Renaissance Commercial Park
Parcel C915198-II-11 and C915198-II-13
Construction of Public Road B
(aka Steelworkers Way)
At
New York State Route 5
Lackawanna, New York

CONSTRUCTION COMPLETION REPORT

Brownfield Cleanup Program (BCP) Parcels - C915198K and C915198M

Prepared for:

Industrial Land Development Corporation
95 Perry Street
Buffalo, New York 14203

Prepared by:

LiRo Engineers, Inc.
690 Delaware Avenue
Buffalo, New York 14209

Revision 2
August 2024

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CERTIFICATIONS

I, Michael F. Lydle, PE, am currently a registered professional engineer licensed by the State of New York, I had primary direct responsibility for implementation of the remedial program activities, and I certify that the Work was implemented and that all construction activities were completed in substantial conformance with the Department-approved Remedial Action Work Plan for the Renaissance Commercial Park Parcel C915198-II-13 Construction of Public Road B (aka Steelworkers Way) which is part of the Tecumseh Phase II Business Park II-13 Site No. C915198M).

I certify that all documents generated in support of this report have been submitted in accordance with the Department of Environmental Remediation's (DER's) electronic submission protocols and have been accepted by the Department.

I certify that all data generated in support of this report has been submitted in accordance with the Department's electronic data deliverable and have been accepted by the Department.

I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, Michael F. Lydle, PE, of 295 Main Street, Buffalo, NY, am certifying as Erie County's Designated Site Representative. I have been authorized and designated by Erie County to sign this certification for the Site.

070504	August 2, 2024	Michael F. Lydle, P.E. Type text here
NYS Professional Engineer #	Date	Signature

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LIST OF ACRONYMS

Acronym	Definition
CAMP	Community Air Monitoring Plan
CCR	Construction Completion Report
E&R	E &R General Construction Inc.
ft	feet
IRM	interim remedial measure
NYSDEC	New York State Department of Environmental Conservation
ppm	parts per million
PCBs	polychlorinated biphenyls
RCP	Renaissance Commerce Park
SICP	Smooth Interior Corrugated Pipe
SVOCs	semi-volatile organic compounds
SCOs	Soil Cleanup Objectives
VOCs	volatile organic compounds

CONSTRUCTION COMPLETION REPORT

1. BACKGROUND AND SITE DESCRIPTION

This Construction Completion Report (CCR) for Public Road B (aka Steelworkers Way) has been prepared for the Industrial Land Development Corporation (ILDC), a Member of the Eire County Industrial Development Agency (ECIDA) Financing and Development Group, by LiRo Engineers, Inc. (LiRo) under a subcontract with Foit Albert Associates (FA). The remedial action was conducted under a New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) Agreement (B9-0696-05-06 (B) between NYSDEC and Tecumseh redevelopment Inc., Buffalo, and Erie County ILDC. ILDC has retained FA to design and provide construction management of Public Road B at the Renaissance Commercial Park (RCP). FA retained LiRo to prepare this CCR for the project located at new parcel C915198-II-13 (C915198M). The RCP is a 240 acre property that is subdivided into a series of smaller 10 to 60 acre land parcels zoned for light manufacturing and commercial warehouse for development. The RCP was created from the former Bethlehem Steel Property and also designated as Tecumseh Business Park Phases I and II. Road B is constructed on sub-divided parcel designated C915198-11-13 also known as NYSDEC Brownfield Site C915198M. These land parcels are part of the RCP addressed as 2303 Hamburg Turnpike, Lackawanna, New York 14218 (former Bethlehem Steel Site). The construction of the Public Road resulted in a cover system over the pre-existing soils that has been completed in accordance with the 2016 Decision Document (DD) for II-8 (2016, NYSDEC) and 2017 DD for II-11 (2017, NYSDEC). The Site location is shown in Figure 1-1 and Figure 1-2.

This CCR has been prepared by LiRo to document the actions performed on RCP Parcel C915198-II-11, Tecumseh Phase II Business Park Site II-11 (Site No. C915198K), and Renaissance Commercial Park Parcel C915198-II-13, Tecumseh Phase II Business Park Site II-13 (Site No. C915198M). This CCR includes a summary of activities undertaken for the Construction of the Public Road B and has been prepared to document “as constructed” details for the work, including results of environmental monitoring and documentation of cover system materials imported to the Site.

The Public Road B project constructed approximately 2,050 feet (ft) of new roadway extending northward from Dona Street as shown on Figure 2-A and Figure 2-B. Public Road B improvements include new public stormwater drainage, Americans with Disabilities Act ADA) compliant sidewalk, street lighting, and signage. Incorporated into the construction of the road was a soil handling plan and finish cover system consistent with existing Site Management Plan (SMP) and Excavation Work Plan as found in the NYSDEC approved Remedial Action Work Plan (RAWP) (2022, LiRo). ECIDA increased the roadway, sidewalks, and drainage features by 500 ft in a northerly direction from the initial design of length of 1,550 ft. The property is a portion of the former Bethlehem Steel Plant that has or will undergo remediation in accordance with Amended Brownfield Cleanup Agreement (BCA) Index No. B9-0696-05-06(B) (2021, NYSDEC).. Figures 2-1B and 2-6B are the cover system as-builts for Public Road B.

2. SUMMARY OF COMPLETED CONSTRUCTION ACTIVITIES

2.1 CONTEXT OF WORK WITHIN BCP

The RCP Site was accepted into the NYSDEC BCP in 2007. A Remedial Investigation (RI) was performed to characterize the nature and extent of contamination of parcels that comprise the RCP. The results of the RI were summarized in a Remedial Investigation/Alternatives Analysis Report (RI/AAR) (2012, Turn Key). A RAWP was completed specifically for the construction of Public Road B (2022, LiRo).

The constituents of concern for this construction from the RAWP are volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), and metals in soils and the RI determined that conditions were consistent with the historic use of the Controlled Property for steel-making and finishing operations, with the widespread presence of fill material containing dark brown, non-plastic fines with fine to medium sand, slag, cinders, ash, gravel, cobbles, brick, metal debris, and concrete, all of which are ubiquitous on the Controlled Property. Soil/fill concentrations, where identified above 6NYCRR Part 375 commercial-use soil cleanup objectives (SCOs), varied according to the type and nature of the constituents. Specifically, elevated concentrations of volatile petroleum compounds (i.e., elevated photo-ionization detector [PID] readings) were observed at two test pit locations where field evidence of impact was observed (e.g., odor, sheen, and staining). Base-neutral semi-volatiles (i.e., polyaromatic hydrocarbons or PAHs) were detected at several locations above commercial SCOs; however, only three total SVOC concentrations were reported above 500 parts per million (ppm), which was deemed a Site-specific SCO based on NYSDEC CP-51 guidance for nonresidential sites where a cover system will be employed. Certain metals (total arsenic, mercury, and lead) were detected above commercial SCOs at several locations. Smear zone impact was present in several locations as indicated by sheen and/or product on the water within the test pit, odor, and staining. RI sampling and historical sampling have shown that Site soil has been impacted with SVOCs, PCBs, and metals.

The top several feet of work area for Public Road B is comprised of man-made fill. No specific areas of environmental concern were noted in the RAWP for the construction of the road, other than those associated with historic urban/industrial man-made fill. These are anticipated to be soils impacted with PAHs and metals.

3. INTERIM REMEDIAL MEASURES AND RCRA CORRECTIVE MEASURES STUDY

The purpose of this section is to provide a brief summary of work previously performed at the former Bethlehem Steel Plant site performed as interim remedial measures (IRMs), operable units, or under separate remedial construction contracts.

3.1 2013 IRM Hot Spot Excavations M and N

Two hot spot excavations, identified as M and N, were completed as IRMs at Parcel II-11 (Site No. C195198K) in August of 2013 by Zoladz Construction Company (Zoladz). Hot spot M was an excavation of approximately 20 ft wide by 30 ft long, by 2 ft deep. Hot spot N was an excavation of approximately 20 ft wide by 25 ft long by 2 ft deep. The hot spot material was characterized as soil/slag fill impacted by arsenic (M and N) and lead (N only). Excavated materials were transported and disposed of off-site at the Chautauqua County Ellery Landfill. Hot spot M was backfilled with 20 tons of Beneficial Use Determination (BUD)-approved slag (BUD#55-9-15) from Iron City. Hot spot N was not back filled but was regraded to match surrounding grades. Details of the IRMs are found in the CCR (January 2014, Turnkey).

3.2 2013 IRM Hot Spot Excavations L

One hot spot excavation, identified as L, was completed in March 2013 at Parcel II-8 (Site No. C915198H) by Zoladz. The hot spot was characterized as soil/fill impacted with arsenic. Hot spot L excavation was 20 ft wide by 20 ft long and 2 ft deep. Excavated soil/fill was transported and disposed of off-site at the Chautauqua County Landfill located in Jamestown, New York. The excavation was not backfilled but was regraded to match surrounding grades. Details of this IRM are found in the Letter Report (April 17, 2013, Turnkey) and the DD (December 2016, NYSDEC).

4. DESCRIPTION OF REMEDIAL ACTIONS PERFORMED

Remedial activities consisting of cover system installation along the road right of way was completed as part of the Public Road B Project. Section 4.2 details the Program Elements of the Project.

4.1 GOVERNING DOCUMENTS

Governing documents for the actions performed include the following:

- Plans for Construction of the Renaissance Commerce Park – Public Road B, beginning at Dona St. Extension by FA, dated March 17, 2022.
- Remedial Action Work Plan for the Renaissance Commercial Park Parcel C915719-II-11 and C915198-II-13 Construction of Public Road B by LiRo, dated July 8, 2022.

4.2 PROGRAM ELEMENTS

4.2.1 Contractors and Consultants

Contractors and their associated tasks are as follows:

- E & R General Construction Inc. (E&R) – installed erosion/sediment and stormwater controls as specified, cleared and grubbed the work area, excavated trenches for utility installation, removed large concrete debris encountered and transported the concrete off-site for crushing, removed any rail road ties encountered to on-site designated area, excavated soils to specified rough grades for road, curb and sidewalk construction, re-used excavated soil as sub-base under the 1 foot deep clean cover, compacted sub-base to specifications, installed geotextile as specified, installed demarcation barrier as specified, use clean backfill in trenches and road/sidewalk subgrade as specified, installed concrete side-walks and curbing as specified, installed asphalt road as specified, and imported top soil and installed as specified.

The Engineer of Record responsible for the inspection of the work is as follows:

- Michael Lydle, PE, Senior Project Engineer, of FA.
- Michael Smith, Resident Engineer, of LiRo.

4.2.2 Site Preparation, Construction, and Remedial Action (soil cover)

A pre-construction meeting was held with the NYSDEC and all contractors on June 7, 2022.

Public Road B project proposes to construct approximately 2,050 ft of new roadway extending from Dona Street to the interior of the Site as shown on Figures 2-A and 2-B. Public Road B required excavation, regrading, and removal of soils for the installation of utilities and construction of a road and sidewalk in the 66 ft wide, 2,050 ft long parcel. Utility trench excavations were approximately 10 ft wide by 5 ft deep installed adjacent to Public Road B. The utility trenches and smooth interior corrugated pipe (SICP) pipe slope as specified to connect to the existing drainage at the intersection of Dona Street and Public Road B. After final grades were achieved, a demarcation layer was installed before placement of concrete. In those areas where no paving was performed, a 12 inch thick NYSDEC approved cover material was installed with the top 6 inches consisting of soil suitable for maintaining a vegetative layer. ECIDA

increased the roadway, sidewalks, and drainage features by 500 ft in a northerly direction, from the initial design length of 1550 ft.

Public Road B improvements include new public stormwater drainage, ADA compliant sidewalk, street lighting, and signage. Incorporated into the construction of the road is a soil handling plan and finish cover system consistent with existing SMP and Excavation Work Plan as established in the NYSDEC approve RAWP (2022, LiRo) and in accordance with Amended BCA Index No. B9-0696-05-06(B) (2021, NYSDEC).

The construction of this project consisted primarily of road construction, but also the other elements described below.

- Clearing and grubbing of existing ground cover within the area to be disturbed for construction.
- Removal and stockpiling of excavated suitable sub-grade material based upon field observations.
- Earthwork, re-grading of the Site within the roadway construction area footprint.
- Excavation for the storm sewer extension to the new road.
- Construction of the road, sidewalk, and storm drainage system.
- Installation of a new culvert along the north/south drainage ditch.
- Alteration of drainage patterns and construction of stormwater management facilities.
- Landscaping, topsoil placement, and seeding of disturbed areas.
- The construction work and composite cover system installation area (which includes the roadway, sidewalk, grass covered, and utility trench) is shown in Figures 2-1B through 2-6B.

The following presents a narrative of work completed relating to the RAWP requirements. For road construction activities, E&R mobilized to the Site on June 13, 2022, and started to clear brush and tall grass over areas where survey stakes were placed. On June 14, 2022, and June 15, 2022, E&R installed and completed erosion and sediment controls. On July 5, 2022, E&R started the first soil excavation at the Site by excavation of a trench for the 18 inch SICP pipe. On August 3, 2022, E&R subcontractor Spoth Enterprises, Inc. (Spoth), started Site electrical work. On August 5, 2022, E&R started placement of clean subgrade material and started rough grading of the Site for road and sidewalks over the demarcation layer. On August 13, 2022, E&R relocated and re-installed the fire hydrant. On August 18, 2022, E&R subcontractor Balducci Construction Co. (Balducci) of Cheektowaga, New York started installation of concrete curbing. On September 8, 2022, E&R started the base course for asphalt pavement. On September 11, 2022, E&R started the concrete sidewalks and driveways. On September 19, 2022, E&R started placement of clean cover and topsoil at the Site. On December 5, 2022, E&R started painting markers on the roadway. On December 9, 2022, E&R removed all equipment and remaining supplies for winter shutdown. On August 26, 2023, E&R resumed construction activities. On October 12, 2023, E&R achieved substantial completion for the project. Figures 2-1B through 2-6B are the cover system as-builts for Public Road B.

4.2.3 General Site Controls

Contractor installed sediment and erosion controls as required by the design documents on the limits of work area, consisting of sediment tubes/bags.

Storm water management controls were constructed in conjunction with the project that included sediment erosion barriers, rainwater was allowed to follow existing Site drainage after passing through sediment barriers.

4.2.4 Nuisance Controls

The nuisance controls included dust suppression during Site excavation work and backfill activities. During excavation and loading activities, dust suppression techniques used included the following.

- Restricting vehicle speeds on-site.
- Reducing the excavation size and/or limiting the number of excavations.

Air monitoring results indicated particulate levels below action levels; therefore, additional dust suppression techniques were not employed. All attempts were made to keep visible and/or fugitive dust to a minimum. Equipment was cleaned of soil clods and swept free of remaining soils prior to removal from the Site or reuse in preparing final grade. No nuisance complaints related to the Site work or cover system placement activities were received.

4.2.5 CAMP Results

Community air monitoring was performed during times of intrusive activity (e.g., impacted soil/slag-fill excavation, backfilling, piping installation, and subgrade preparation work), excluding dates where precipitation mitigated emissions and precluded monitor setup. Per the Community Air Monitoring Plan (CAMP), action limits of 0.1 milligram per cubic meter (mg/m^3) for respirable particulates and 5 ppm for organic vapors were employed. No exceedances of the CAMP action levels were recorded during the work. Appendix C includes the community air monitoring documentation.

4.2.6 Reporting

A LiRo representative was on-site to observe and document construction activities. Daily Work Reports that include photographs taken during construction activities are included in electronic format in Appendix A, and Appendix D includes the digital photo log.

4.3 CONTAMINATED MATERIALS MANAGEMENT

No contaminated hazardous materials were encountered during excavation. All excavated materials were field screed for evidence of contamination using visual, olfactory, or total organic vapor readings using a PID. As per the project plans, the majority of excavated/removed material from within the work areas was used as sub-grade below paved areas or in areas not paved below 1 foot of cover. Large concrete items were removed and transported to E&R's facility for crushing. Two railroad ties were found on the surface and were removed to a temporary staging area designated for these materials by ECIDA (see Figure 3). ECIDA is arranging for the proper removal and disposal of railroad ties. Excess excavated material not used for sub-grade was placed as directed by ECIDA (see Figure 3) in a temporary laydown area for on-site re-use for the Odell Street extension on BCP Parcel II-13. No excavated materials were disposed of off-site as impacted or hazardous wastes.

4.4 IMPORTED MATERIALS

4.4.1 Imported Cover Materials

The following materials and quantities were imported, with NYSDEC approval, to the locations shown on Figures 2-1B and 2-6B for the cover system and to support the redevelopment plan.

- Topsoil material (approximately 908 cubic yards) from NYSDEC approved source located at 3100 Niagara Falls Boulevard, Amherst, New York. Topsoil was screened on-site by E&R prior to placement.
- Embankment material, approximately 9,892 cubic yards of material from the NYSDEC approved source from County Line Stone, Akron, New York.

No imported material was used for sub-grade. Excavated material from utility trenching and rough grading was used for sub-grade as required.

4.5 CONTAMINATION REMAINING AT THE SITE

4.5.1 Soil

According to the RAWP (2022 LiRo) for the Site, exceedances of unrestricted use SCOs for metals and SVOCs are common in the soil and fill at the Site. Any areas outside of the project cover limits remain as such.

Within the project area, a demarcation layer was constructed and placed so as to easily identify the existing Site sub-grade from the cover system material and prevent the potential for inadvertent removal of sub-grade material during future intrusive work. The demarcation layer is comprised of an orange ¾-inch plastic industrial netting material.

4.6 COVER SYSTEM

Exposure to remaining contamination in soil/slag-fill is prevented by a cover system comprised of the following.

- Hardscape from the newly installed 2,050 ft two-lane asphalt covered road.
- Hardscape from the newly installed 2,050 ft sidewalk.
- To the north and south of the new road, between the curb and right of way, a grassed area with clean cover material was constructed.
- The cover consisted of a minimum of 12 inches of topsoil material from NYSDEC approved source located at 3100 Niagara Falls Boulevard, Amherst, New York over an orange demarcation layer (Geotex 401 Orange DND).

The cover system was overlapped onto the exsisting terrain and covered with topsoil and seed or asphalt or concrete to match adjacent areas.

As properties are developed in the future along the Public Road B extension corridor, cover systems in compliance with the Site SMP will be installed. It is anticipated that this work will be completed on a site-by-site basis.

TABLES

Table 1 - Backfill Quantities and Sources

Backfill	Quantity	Source
Topsoil	908 CY	NYSDEC approved source located at 3100 Niagara Falls Boulevard, Amherst, New York.
Soil (Overburden Material from Quarry Operations)	9892 CY	NYSDEC approve source from County Line Stone, Akron, New York.

See Appendix B for NYSDEC Approval Letters.

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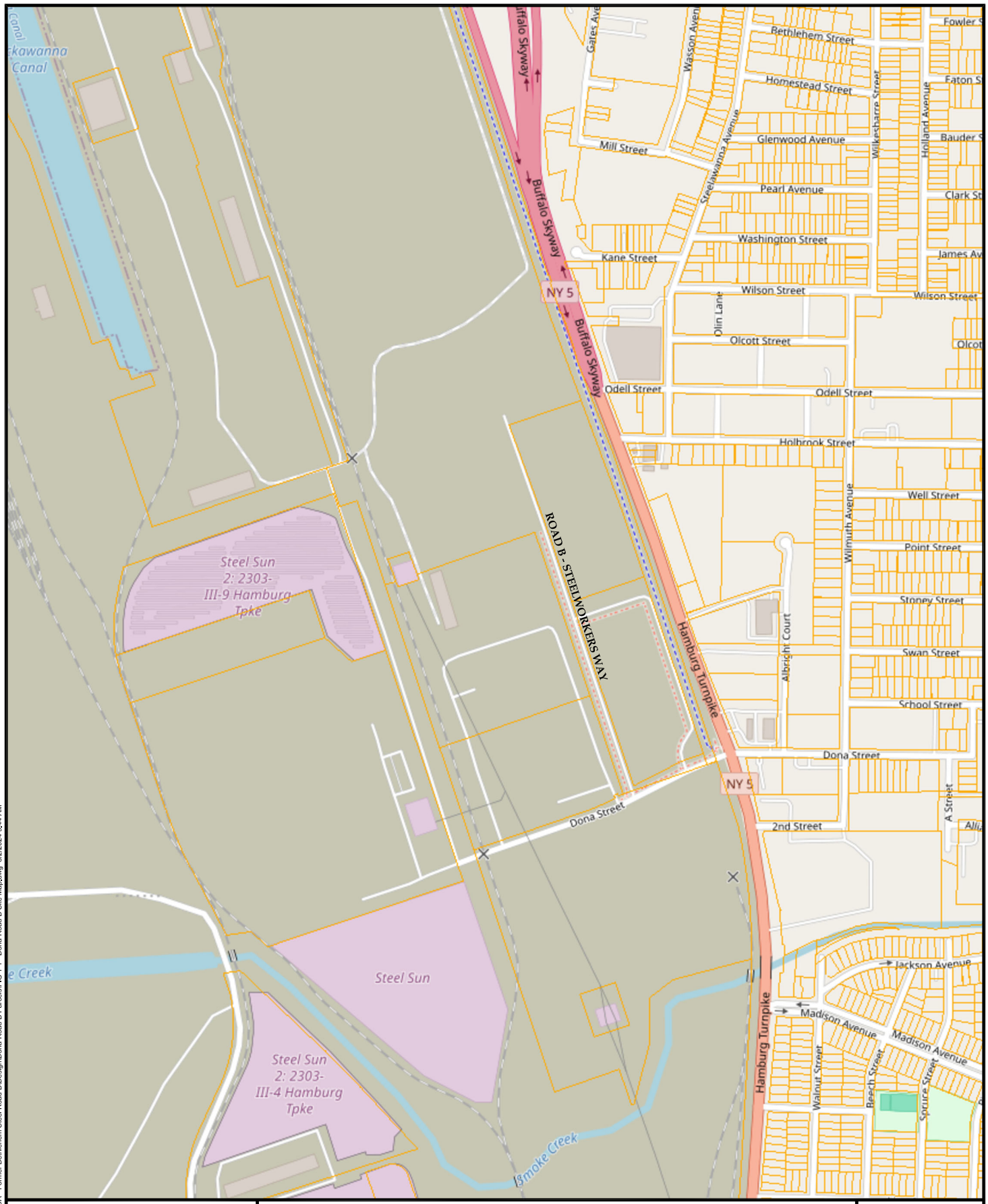
FIGURES

REV-1



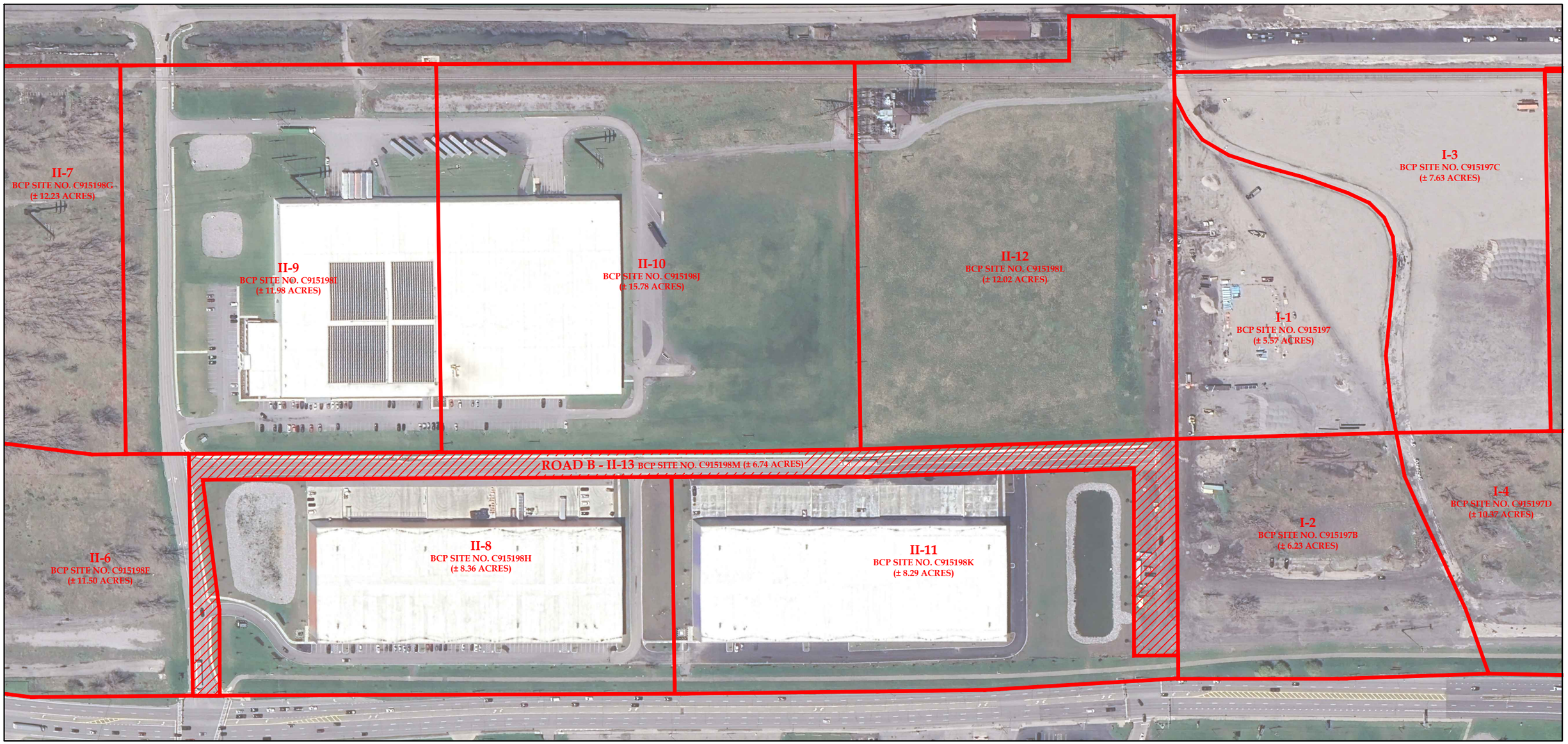
V:\ECIDA\21-220-0135 - ECIDA - Former Bethlehem Steel Road B\Design\Dona-Road B Parcels\FIG 1-1 - Dona-Road B Site Map.dwg 8/2/2024 9:44 AM

LiRo Engineers, Inc.
690 Delaware Ave.
Buffalo, New York

LOCATION MAP

FIGURE NO.

1-1



LEGEND

APPROXIMATE PARCEL LIMIT

100 0 100

SCALE IN FEET

WARNING

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NO.	DATE	DESCRIPTION

REVISIONS

LiRo Engineers, Inc.
690 Delaware Avenue
Buffalo, New York

PROJ. ENG.:

DESIGNED BY:

CHECKED BY:

DRAWN BY:

CLIENT:
ECIDA/ILDE
95 PERRY STREET, SUITE 403
BUFFALO, NEW YORK 14203

DATE: AUGUST 2024

SCALE: AS SHOWN

JOB TITLE AND LOCATION:
RENAISSANCE COMMERCE PARK
PUBLIC ROAD B

DRAWING TITLE:
ROAD B LOCATION AND PROPERTY PARCELS

LIRO JOB NO.: 21-220-0135

SHEET OF

FIGURE NO. 1-2

V:\ECIDA\21-220-0135 - ECIDA - Former Bethlehem Steel Road B\Design\Dona-Road B Parcels\FIG 1-2 - Dona-Road B Parcel Areas.dwg 8/1/2024 2:17 PM

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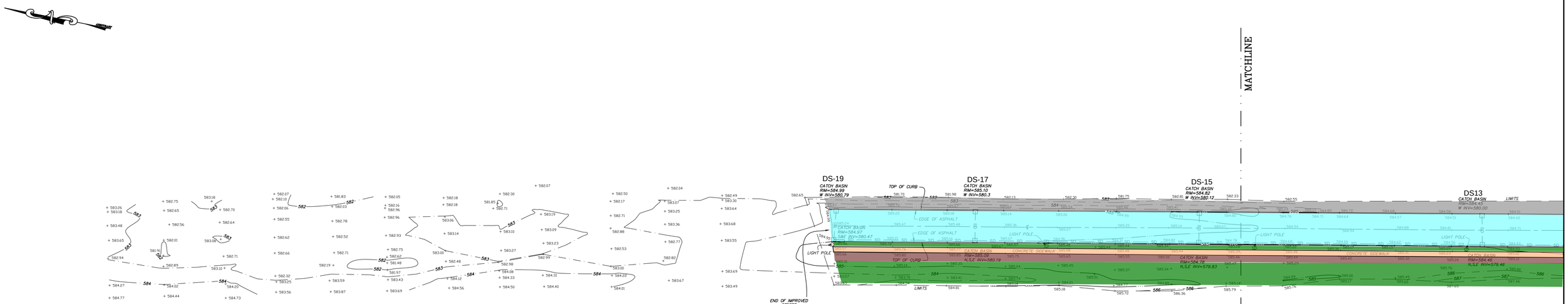

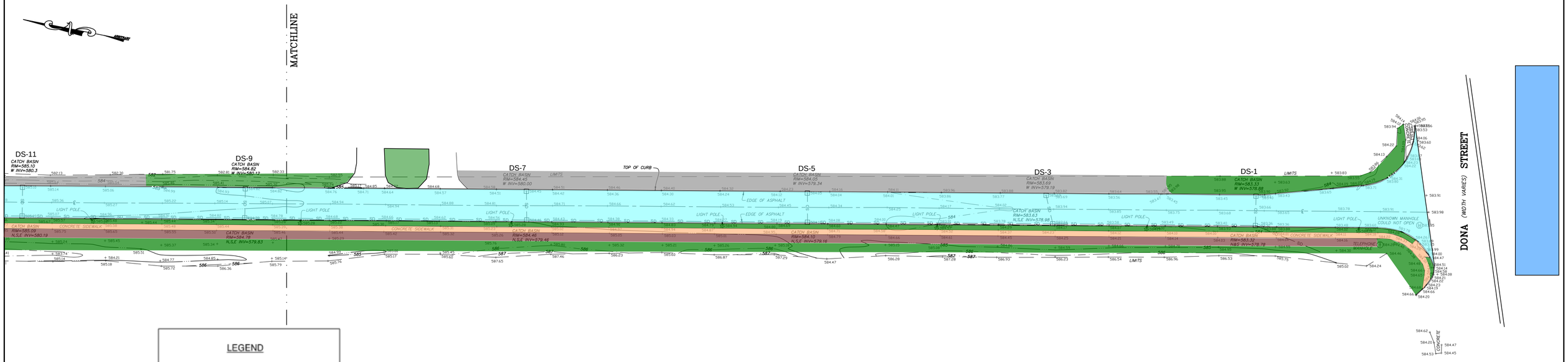

LEGEND

- ROADWAY
- SIDEWALK
- GRASS COVERED
- UTILITY TRENCH
- MATERIAL PLACEMENT AREA
- CONCRETE DWY APRON

FIGURE 2-A

DATE	REVISION/TYPE

AS–BUILT SURVEY OF
PUBLIC ROAD B EXTENSION
RENAISSANCE COMMERCE PARK
CITY OF LACKAWANA, ERIE COUNTY, NEW YORK

GPI ENGINEERING, LANDSCAPE ARCHITECTURE & SURVEYING, LLP
ENGINEERING • SURVEYING • LANDSCAPE ARCHITECTURE
4950 GENESEE STREET, SUITE 100
BUFFALO, NEW YORK 14225
(716) 633-4844 FAX 633-4940

Job No. 2200057.33 Date: NOVEMBER 3, 2022
Scale: 1" = 40' TAX No.

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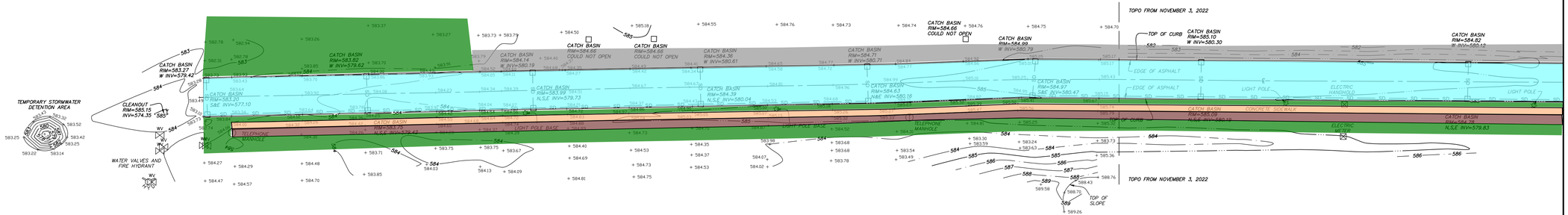

LEGEND

- ROADWAY
- SIDEWALK
- GRASS COVERED
- UTILITY TRENCH
- MATERIAL PLACEMENT AREA
- CONCRETE DWY APRON

DATE	REVISION/TYPE

FIGURE 2-B

AS-BUILT SURVEY OF
PUBLIC ROAD B EXTENSION
RENAISSANCE COMMERCE PARK
CITY OF LACKAWANA, ERIE COUNTY, NEW YORK

GPI ENGINEERING, LANDSCAPE ARCHITECTURE & SURVEYING, LLP
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Job No. 2200057.33 Date: DECEMBER 18, 2023
Scale: 1" = 40' TAX No.

RENAISSANCE COMMERCE PARK - PUBLIC ROAD B
Sheet Number 26 OF 31

N

LIMIT OF WORK

BCP SITE NO. C915198G

DONA STREET

MILL EXISTING ASPHALT 1-1/2" TO CENTER OF WESTBOUND DONA STREET TRAVEL WAY AND PAVE WITH ROAD B TOP COURSE PLACEMENT OR A.O.B.E. ITEM 490.30

STA. D 9+77 = STA. B 0+00

BCP SITE NO. C915198F

CONTROL POINT NO. 23
SET REBAR & CAP
N = 1025804.900
E = 1077296.726
ELEV = 584.001
STA = 10+00.00

FOUND REBAR
0.10NE
0.13SE

RIM = 584.19
NE INV = 575.39
SE INV = DEAD END
NW INV = 575.99

RIM = 585.05
SE INV = 576.65
NW INV = 576.85

MH-B1
STA. D 9+34±, 18.56' LT.=
STA. B 0+11±, 45.13' LT.
TG=584.75
INV. NE=578.54 (IN)
INV. SW=578.54 (OUT)

CONC PAD (TYPICAL)
RIM = 583.54
NE INV = 578.52
SW INV = 578.51

RIM = 583.21
SW INV = 578.52
NW INV = 578.65

12.3'X7.5' ELECTRICAL BOX ON CONC PAD

DS-B2
STA. B 1+27.86, 14.00' LT.
TG=583.38
INV. N=578.68 (IN)
INV. E=578.68 (IN)
INV. W=578.68 (OUT)

TRS PACKAGING FACILITY

ASPHALT PARKING LOT

RIM = 582.74
SE INV = 578.83
NW INV = 578.94

RIM = 583.05
SE INV = 579.25
SW INV = 579.14
NW INV = 579.19

DS-B4
STA. B 3+49.00, 14.00' LT.
TG=583.63
INV. N=579.01 (IN)
INV. E=579.01 (IN)
INV. S=579.01 (OUT)

RIM = 582.86
SE INV = 579.40
NW INV = 579.51

BCP SITE NO. C915198I

NOW OR FORMERLY LANDS OF BUFFALO AND ERIE COUNTY INDUSTRIAL LAND DEVELOPMENT CORPORATION(REPUTED OWNER) PART OF LIBER 11354, PAGE 1175 TA# 141.19-1-2

2021 SURVEY BASELINE N 21°21'31" W 681.79'

ITEM 663.31 RELOCATE EXISTING HYDRANT

ITEM 201.06 CONCRETE AND CONSTRUCTION RUBBLE

ITEM 202.19 SUBSTRUCTURE REMOVAL

5' SIDEWALK

DS-B1
STA. B 1+27.86, 17.29' RT.
TG=583.31
INV. W=578.73 (OUT)

DS-B3
STA. B 3+49.00, 14.00' RT.
TG=583.63
INV. INV. W=579.05 (OUT)

CB
RIM 583.90
BW 584.50

GRADE BREAK FOR LOADING DOCK

LOADING DOCK AREA

WALL

BCP SITE NO. C915198H

NOW OR FORMERLY LANDS OF BUFFALO AND ERIE COUNTY INDUSTRIAL LAND DEVELOPMENT CORPORATION (REPUTED OWNER) TA# 141.11-1-52

PROPOSED UNILAND DISTRIBUTION FACILITY

MATCHLINE "A" – MATCH STA. B 5+50 SEE DWG. PL-2

LEGEND
- ROADWAY
- SIDEWALK
- GRASS COVERED
- UTILITY TRENCH
- MATERIAL PLACEMENT AREA
- CONCRETE DWY APRON

PVI STA: 1+27.86
PVI ELEV: 583.53
K: 212.05
LVC: 152.63
LOW PT. STA: 1+67.70
LOW PT ELEV: 583.63

PVI STA: 3+49.00
PVI ELEV: 583.91
K: 37516.29
LVC: 150.00

GRADE BREAK STA = 0+00.00
ELEV = 584.2.50

BVCS: 0+51.54 BVCE: 583.051
EVCS: 2+04.18 EVCE: 583.66
BVCS: 2+74.00 BVCE: 583.78
EVCS: 4+24.00 EVCE: 584.04

-0.55%
0.17%
0.18%

PROPOSED GRADE
EXISTING GRADE
18" SICPP CONNECT TO MH-B1
15" SICPP

0+00 1+00 2+00 3+00 4+00 5+00

MATCHLINE "A" – MATCH STA. B 5+50 SEE DWG. PL-2

FIGURE 2-1B
PLAN VIEW
FINAL AS-BUILT COVER SYSTEM

VERTICAL SCALE 1" = 4' SCALE BAR (0, 4, 8, 12 FT)

HORIZONTAL SCALE 1" = 20' SCALE BAR (0, 20, 40, 60 FT)

FoitAlbert ASSOCIATES
Architecture, Engineering, Surveying
200 Main Street, Suite 200, Buffalo, New York 14202

ECIDA/ILDE
95 Perry Street, Suite 403
Buffalo, New York 14203

RENAISSANCE COMMERCE PARK - PUBLIC ROAD B

GENERAL PLAN AND PROFILE

Sheet No.	
Date	Fe b.2022
Scale	As Noted
DWG.	PL-1

RENAISSANCE COMMERCE PARK - PUBLIC ROAD B
Sheet Number 27 OF 31

N = 1026459.859
E = 1077048.416
ELEV = 583.599
STA = 16+81.78

MATCHLINE 'A' – MATCH STA. B 5+50 SEE DWG. PL-1

MATCHLINE 'B' – MATCH STA. B 11+50 SEE DWG. PL-3

RIM = 582.77
SE INV = 579.56
NW INV = 579.68

RIM = 582.88
SE INV = 579.70
NW INV = 579.83

RIM = 583.26
SE INV = 579.94
NE INV = 580.03

RIM = 583.53
SE INV = 580.27
NW INV = 580.28

RIM = 583.54
SE INV = 580.40

2021 SURVEY BASELINE
N 18°38'28" W 593.61'

PP #2303
STA. B 9+40±
55'± LT.

48" RCMP SECTION @ BASE OF UTILITY POLE

DS-B6
STA. B 5+70.28, 14.00' LT.
TG=583.97
INV. N=579.34 (IN)
INV. E=579.34 (IN)
INV. S=579.34 (OUT)

DS-B5
STA. B 5+70.28, 14.00' RT.
TG=583.97
INV. W=579.39 (OUT)

DS-B8
STA. B 8+22.64, 14.00' LT.
TG=584.34
INV. N=579.72 (IN)
INV. E=579.72 (IN)
INV. S=579.72 (OUT)

DS-B7
STA. B 8+22.64, 14.00' RT.
TG=584.34
INV. W=579.76 (OUT)

DS-B10
STA. B 10+75.00, 14.00' LT.
TG=584.72
INV. N=580.10 (IN)
INV. E=580.10 (IN)
INV. S=580.10 (OUT)

DS-B9
STA. B 10+75.00, 14.00' RT.
TG=584.72
INV. W = 580.14 (OUT)

BROKEN CONC. (ITEM 201.06)

CONCRETE PAD 5' SIDEWALK

CONC. FOUNDATION (ITEM 202.19)

CONC. RUBBLE & BRICK, (ITEM 201.06)

BROKEN CONC. W/ REBAR, (ITEM 201.06)

WOOD TIES AND RUBBLE, (ITEM 201.06)

B 6+00 B 7+00 B 8+00 B 9+00 B 10+00 B 11+00

15" SICPP

CB

BW 584.50

WALL

5%

2%

LOADING DOCK AREA

GRADE BREAK FOR LOADING DOCK

BCP SITE NO. C915198H

BCP SITE NO. C915198K

NOW OR FORMERLY LANDS OF BUFFALO AND ERIE COUNTY INDUSTRIAL LAND DEVELOPMENT CORPORATION (REPUTED OWNER) TA# 141.11-1-52

PROPOSED UNILAND DISTRIBUTION FACILITY

LEGEND

- ROADWAY
- SIDEWALK
- GRASS COVERED
- UTILITY TRENCH
- MATERIAL PLACEMENT AREA
- CONCRETE DWY APRON

PVI STA: 7+40.92
PVI ELEV: 584.60
K: 3203.69
LVC: 150.00

BVCS: 6+65.92
BVCE: 584.47

EVCS: 8+15.92
EVCE: 584.70

EXISTING GRADE

PROPOSED GRADE

0.13%

584.26 584.31 584.35 584.40 584.44 584.48 584.53 584.57 584.60 584.64 584.68 584.71 584.74 584.77 584.81 584.84 584.87 584.90 584.93 584.97 585.00 585.03 585.06 585.10

6+00 7+00 8+00 9+00 10+00 11+00

HORIZONTAL SCALE
1" = 20' SCALE BAR

VERTICAL SCALE
1" = 4' SCALE BAR

FIGURE 2-2B
PLAN VIEW
FINAL AS-BUILT COVER SYSTEM

FoitAlbert ASSOCIATES
Architecture, Engineering, Surveying.

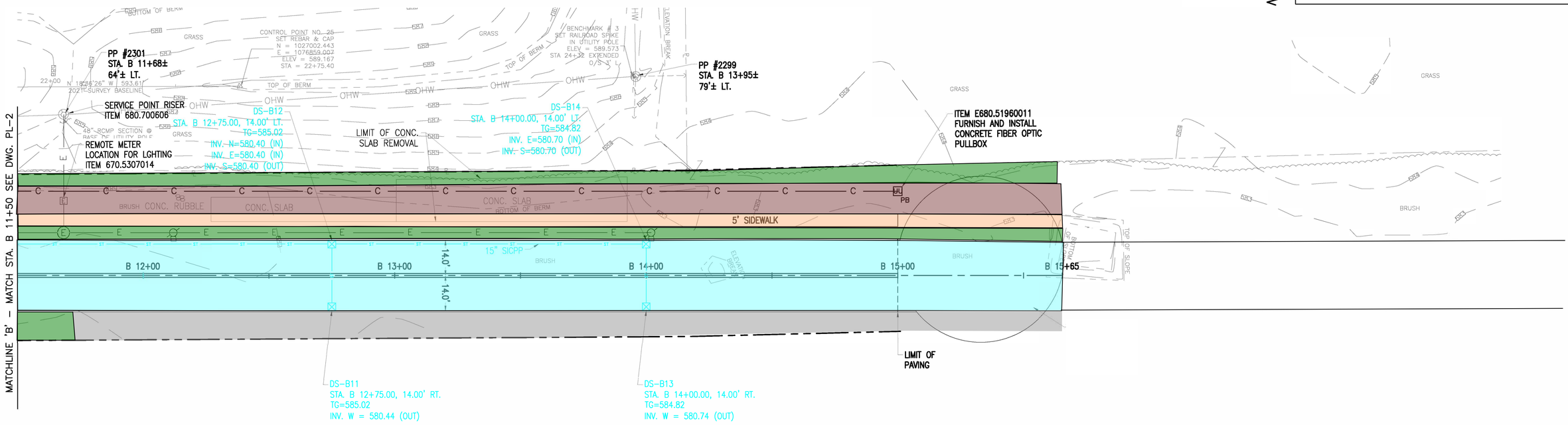
ECIDA/ILDE
95 Perry Street, Suite 403
Buffalo, New York 14203

RENAISSANCE COMMERCE PARK - PUBLIC ROAD B

GENERAL PLAN AND PROFILE

Sheet No.	
Datte	Fe b 2 0 22
Scale	As Noted
DWG.	PL-2

RENAISSANCE COMMERCE PARK -
PUBLIC ROAD B
Sheet Number 28 OF 31



NOW OR FORMERLY LANDS OF BUFFALO AND ERIE COUNTY INDUSTRIAL LAND DEVELOPMENT CORPORATION (REPUTED OWNER) LIBER 11316, PAGE 2211 TA# 141.11-1-52

BCP SITE NO. C915198K

NOW OR FORMERLY LANDS OF BUFFALO AND ERIE COUNTY INDUSTRIAL LAND DEVELOPMENT CORPORATION (REPUTED OWNER) LIBER 11316, PAGE 2211 TA# 141.11-1-52

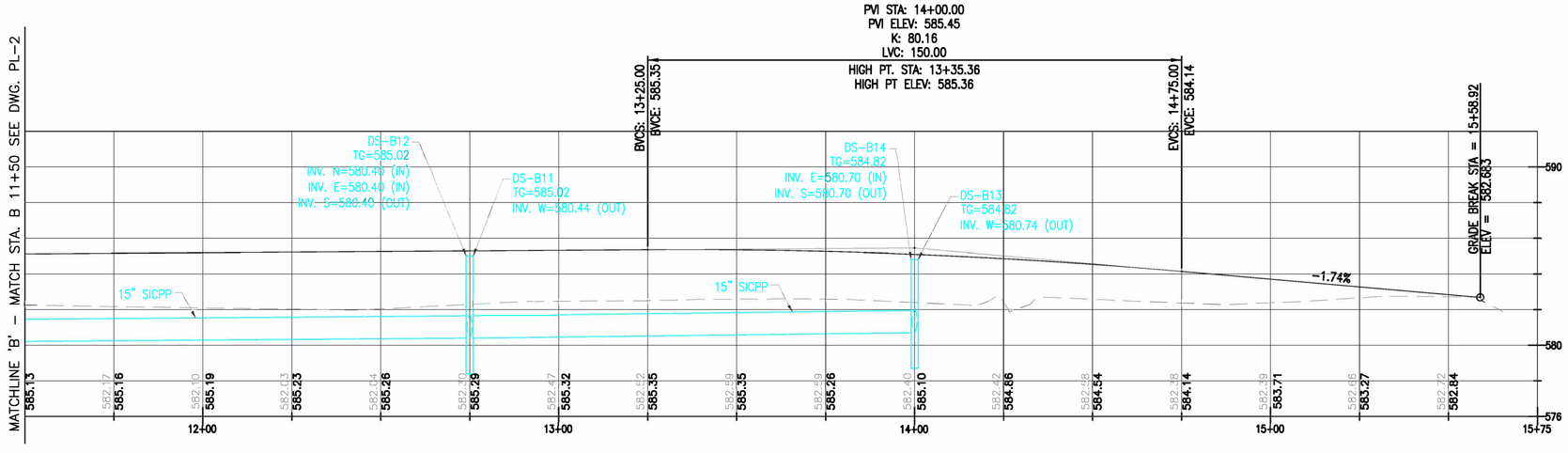


FIGURE 2-3B
PLAN VIEW
FINAL AS-BUILT COVER SYSTEM

HORIZONTAL SCALE
1" = 20' SCALE BAR
0 20 40 60 FT

VERTICAL SCALE
1" = 4' SCALE BAR
0 4 8 12 FT

LEGEND

- ROADWAY
- SIDEWALK
- GRASS COVERED
- UTILITY TRENCH
- MATERIAL PLACEMENT AREA
- CONCRETE DWY APRON

NOTES:

1. ECIDA RESERVES THE RIGHT THE RIGHT TO MODIFY OR REMOVE CONSTRUCTION OF THE CIRCLE TURN-AROUND FROM THE PUBLIC ROAD B PROJECT. PAYMENT FOR NO WORK WILL BE FOR ONLY THE WORK DONE. THE CONTRACTOR WILL NOT BE ENTITLED TO ANY ADDITIONAL COMPENSATION SHOULD THE STONE CIRCLE BE DELETED FROM THE CONTRACT.

STATE OF NEW YORK
MICHAEL F. LYDAY
No. 070004
LICENSED PROFESSIONAL ENGINEER

FoitAlbert ASSOCIATES
Architecture, Engineering, Surveying

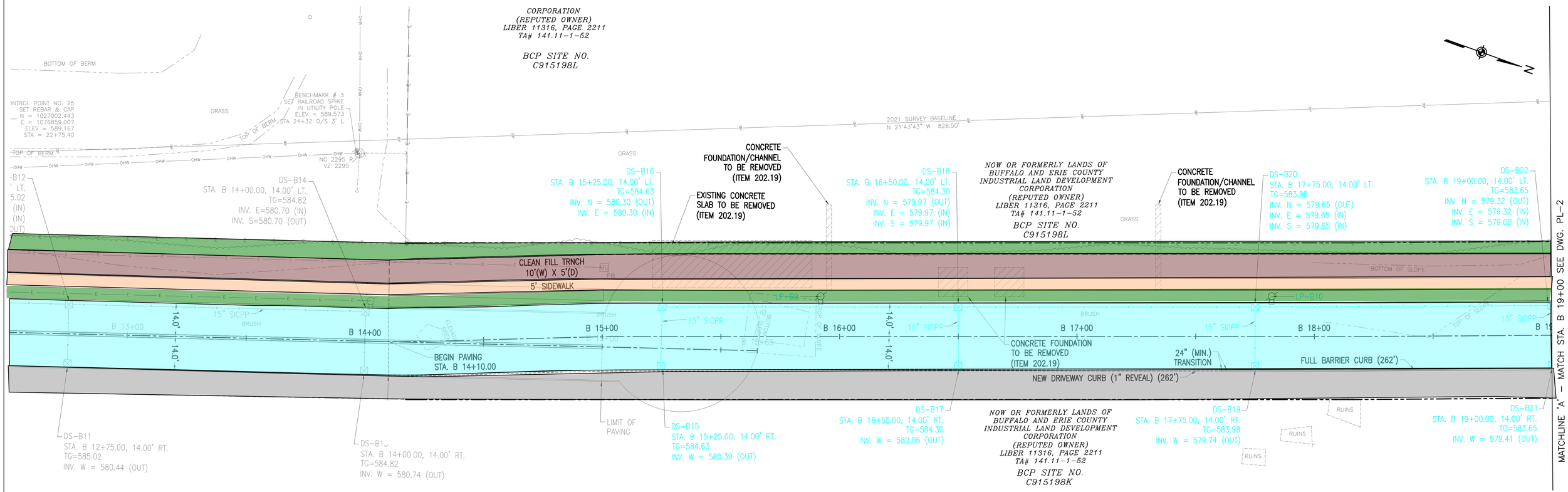
ECIDA/ILDE
95 Perry Street, Suite 403
Buffalo, New York 14203

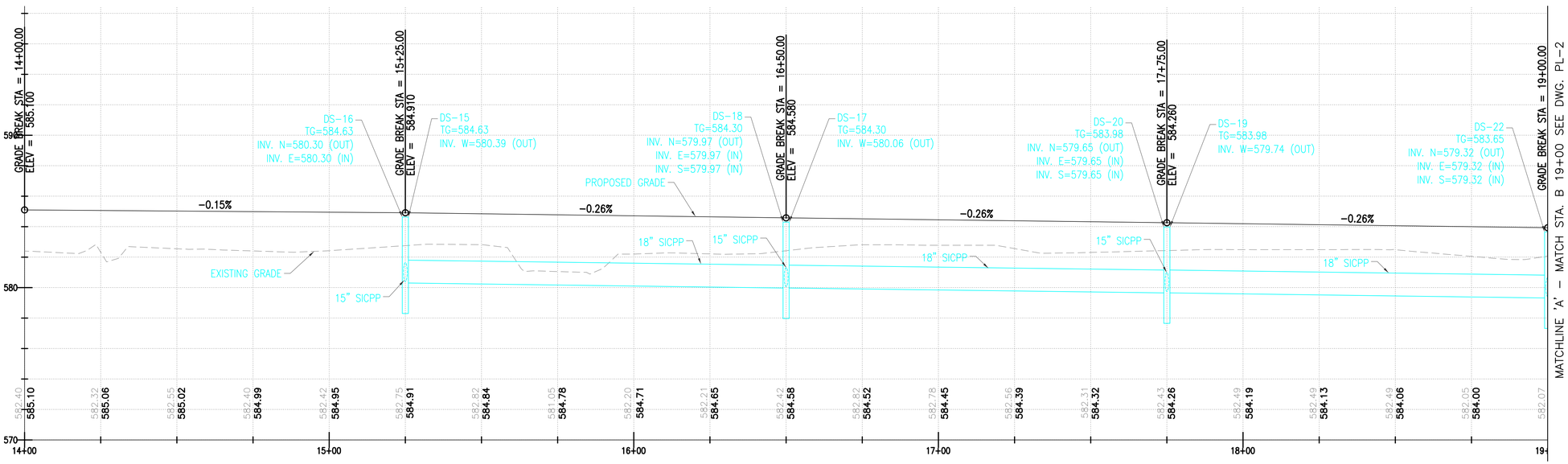
RENAISSANCE COMMERCE PARK - PUBLIC ROAD B

GENERAL PLAN AND PROFILE

Sheet No.
Date Feb. 2022
Scale As Noted
DWG. PL-3

RENAISSANCE COMMERCE PARK - STEEL WORKERS WAY





LEGEND

- ROADWAY
- SIDEWALK
- GRASS COVERED
- UTILITY TRENCH
- MATERIAL PLACEMENT AREA
- CONCRETE DWY APRON

STATE OF NEW YORK
MICHAEL F. LYDEN P.E.
No. 070904
LICENSED PROFESSIONAL ENGINEER

FIGURE 2-4B
PLAN VIEW
FINAL AS-BUILT COVER SYSTEM

HORIZONTAL SCALE
1" = 20' SCALE BAR
0 20 40 60 FT

VERTICAL SCALE
1" = 4' SCALE BAR
0 4 8 12 FT

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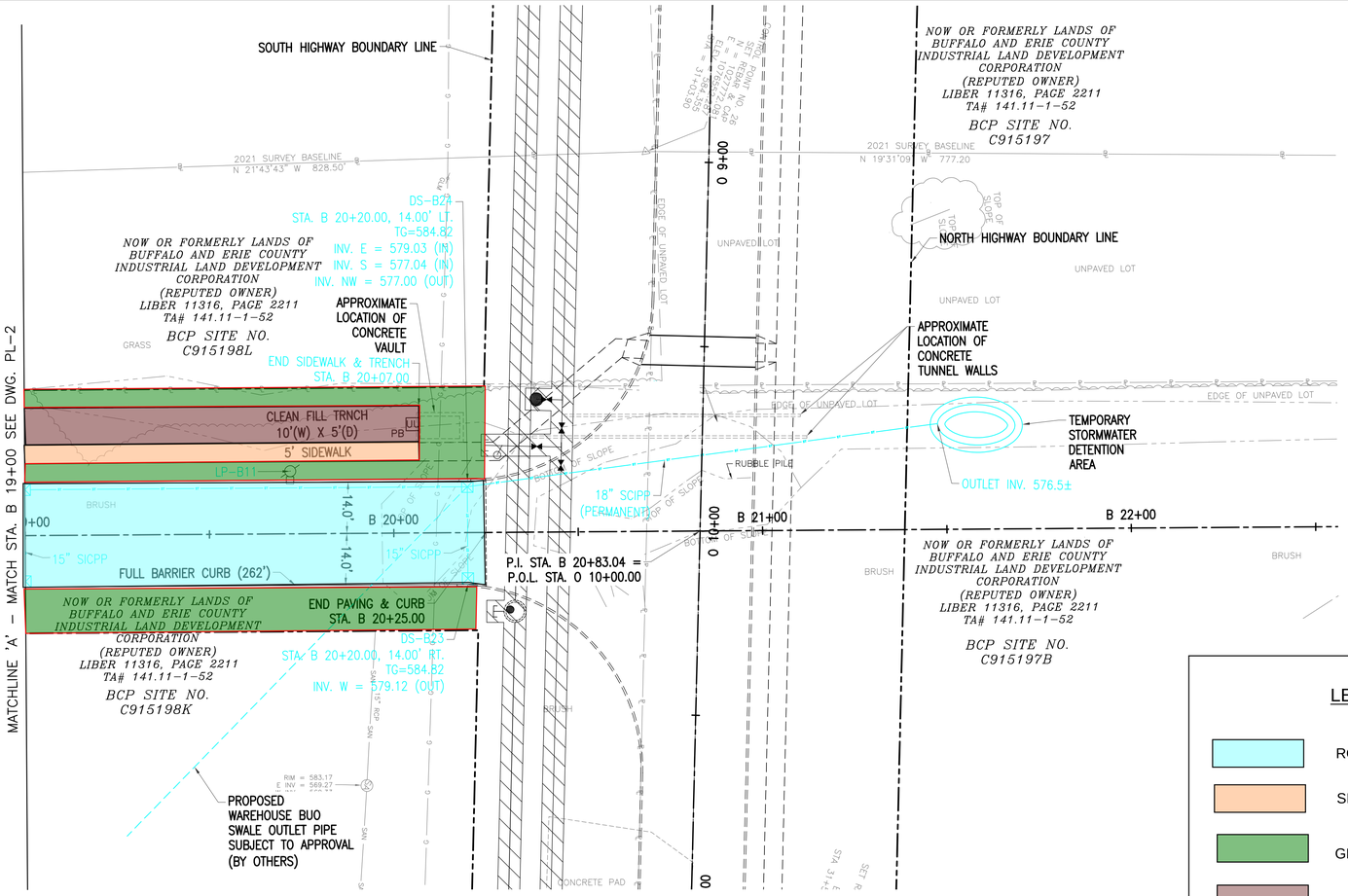
Buffalo, New York 14203

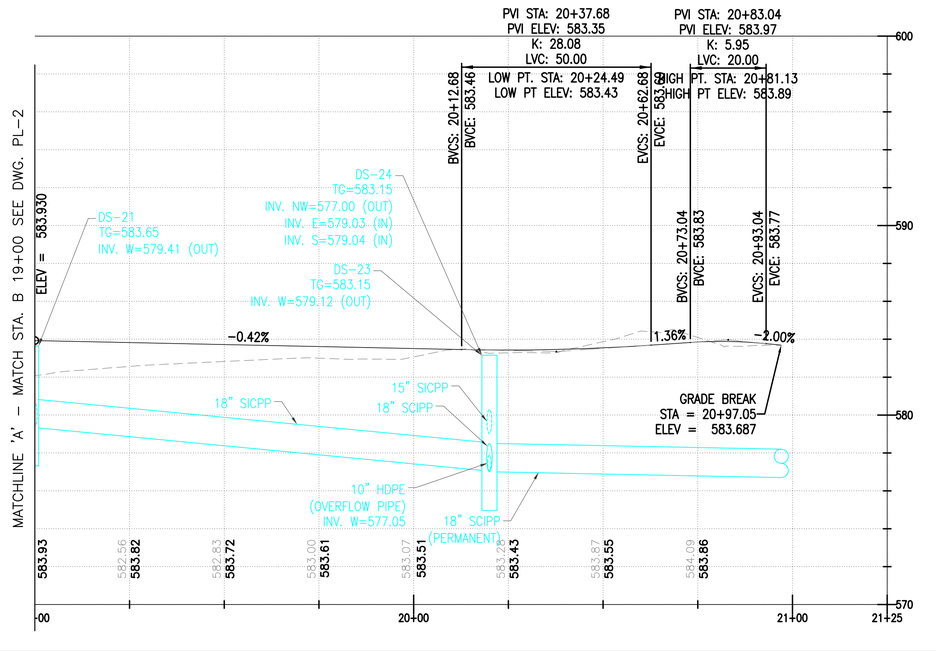
RENAISSANCE COMMERCE PARK - STEEL WORKERS WAY EXTENSION PHASE 1

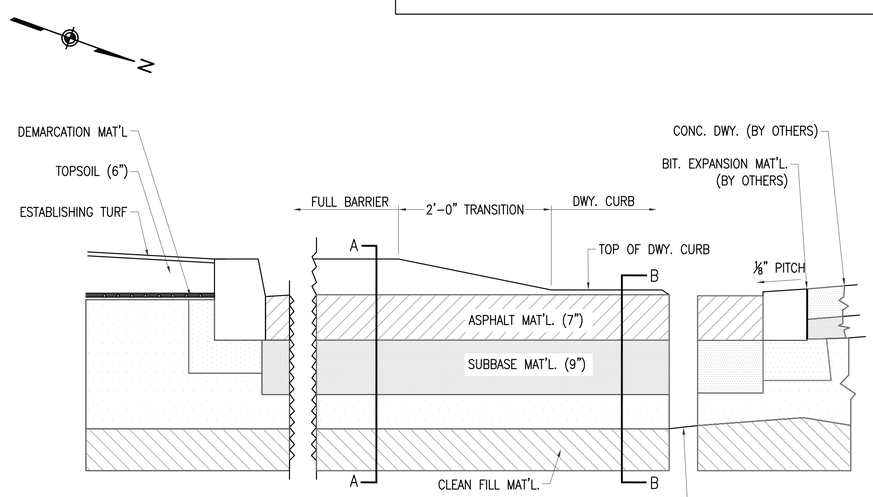
STEEL WORKERS WAY & ODELL STREET GENERAL PLAN AND PROFILE

Sheet No.	
Date	May 2023
Scale	As Noted
DWG.	PL-1

RENAISSANCE COMMERCE PARK - STEEL WORKERS WAY







SECTION A–A
THRU BARRIER CURB

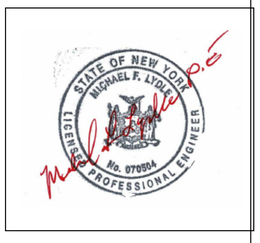
SECTION B–B
THRU DWY. CURB

ELEVATION VIEW OF CURB TRANSITION
NOT TO SCALE

LEGEND

- ROADWAY
- SIDEWALK
- GRASS COVERED
- UTILITY TRENCH
- MATERIAL PLACEMENT AREA
- CONCRETE DWY APRON

FIGURE 2-5B
PLAN VIEW
FINAL AS-BUILT COVER SYSTEM



NOTES:

1. THE LOCATIONS OF SUBSURFACE CONCRETE ARE APPROXIMATE.
2. SUBSURFACE CONCRETE FOUNDATIONS, PIERS, VAULTS, SLABS, ETC. MAY BE ENCOUNTERED DURING EXCAVATION FOR THE CLEAN FILL TRENCH, STA. 15+00 TO STA. 20+07. CONCRETE ENCOUNTERED DURING EXCAVATION SHALL BE REMOVED TO A DEPTH OF SIX–INCHES (6") BELOW THE BOTTOM OF THE CLEAN FILL TRENCH. REMOVAL OF CONCRETE IS TO BE PAID UNDER ITEM 202.19 – REMOVAL OF SUBSTRUCTURES.
3. BACKFILL OF THE VOID CREATED BY REMOVAL OF CONCRETE SHALL BE BACKFILLED WITH SUITABLE MATERIAL TO THE INVERT ELEVATION OF THE TRENCH AND COMPACTED TO THE SATISFACTION OF THE ENGINEER. COST OF BACKFILL WITH SUITABLE MATERIAL IS INCLUDED IN ITEM 202.19.
4. SHOULD CONDITIONS BE ENCOUNTERED WHERE BACKFILLING OF VOID WITH SUITABLE MATERIAL WILL NOT PRODUCE SATISFACTORY RESULTS, THE ENGINEER MAY DIRECT THE CONTRACTOR TO USE A CEMENTATIOUS FILL TO ENSURE ALL VOIDS OR AREA UNABLE TO GET PROPERLY COMPACTED ARE FILLED. PAYMENT FOR THE CEMENTATIOUS FILL WILL BE WITH ITEM 204.01 – CONTROLLED LOW STRENGTH MATERIAL (CLSM) CONTAINMENT OF CLSM BY MEANS ACCEPTABLE TO THE ENGINEER ARE TO BE INCLUDED IN ITEM 204.01.

0 20 40 60 FT
HORIZONTAL SCALE
1" = 20' SCALE BAR

0 4 8 12 FT
VERTICAL SCALE
1" = 4' SCALE BAR

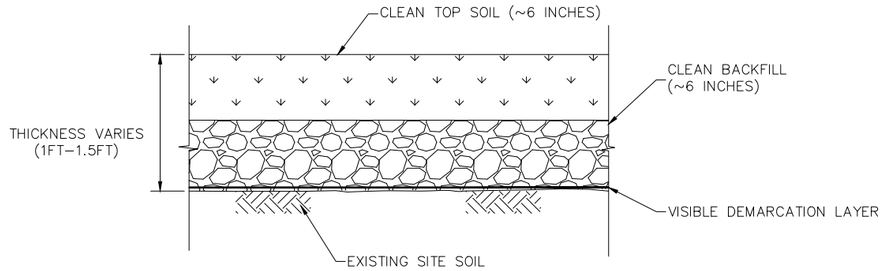
FoitAlbert ASSOCIATES
Architecture, Engineering, Surveying.
350 Main Street, Suite 200 Buffalo, New York 14202

ECIDA/ILDE
95 Perry Street, Suite 403
Buffalo, New York 14203

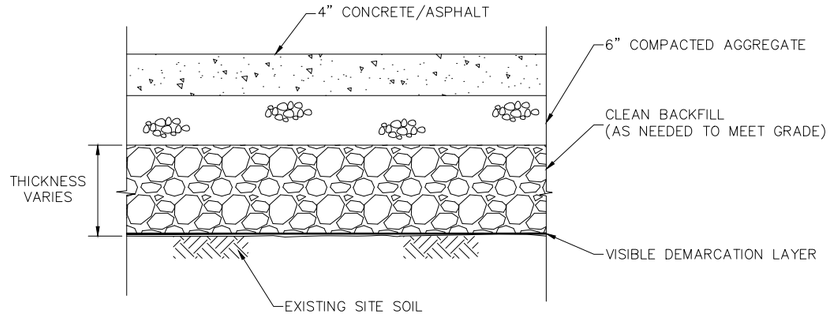
RENAISSANCE COMMERCE PARK - STEEL WORKERS WAY EXTENSION PHASE 1	Scale As Noted
ROAD & ODELL STREET GENERAL PLAN AND PROFILE	DWG. PL-2

Sheet No.
Date May 2023

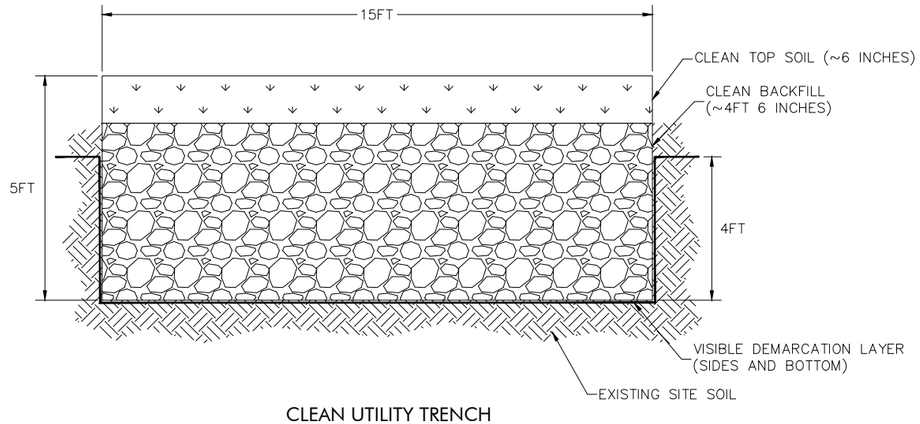
RENAISSANCE COMMERCE PARKPUBLIC ROAD B
(AKA STEELWORKERS WAY)
FA- 8-19-21



CLEAN SOIL COVER (GRASS AREAS)



CONCRETE/ASPHALT COVER (SIDEWALKS AND ROADWAY)



CLEAN UTILITY TRENCH

FIGURE 2-6B

STATE OF NEW YORK
MICHAEL F. LYDLE
No. 070504
LICENSED PROFESSIONAL ENGINEER

NOT TO SCALE

NO.	DATE	DESCRIPTION
REVISIONS		

LiRo Engineers, Inc.
690 Delaware Ave.
Buffalo, New York

Erie County Department of Public Works - Division of Highways
95 Franklin Street - 14th Floor
Buffalo, New York 14202

RENAISSANCE COMMERCE PARK PUBLIC ROAD B
COVER SYSTEM CROSS-SECTION

Sheet No. 3 of 3
Date MARCH 2024
Scale As Noted
FIGURE 3

REV-1

NOTE:

UNUSED OVERBURDEN MATERIAL WAS VISUALLY SCREENED IN THE FIELD FOR VISIBLE AND OLFACTORY EVIDENCE OF PETROLEUM OR CHEMICAL CONTAMINATION. THE OVERBURDEN MATERIAL CONSISTED OF URBAN FILL AND/OR NATIVE UNCONSOLIDATED SANDS AND GRAVELS.

LEGEND

LAYDOWN AREA FOR UNUSED OVERBURDENED MATERIAL AS DIRECTED BY ECIDA

LiRo Engineers, Inc.
690 Delaware Ave.
Buffalo, New York

UNUSED EXCAVATED MATERIAL DESIGNATED LAYDOWN AREA

FIGURE NO.

3

V:\ECIDA\21-220-0135 - ECIDA - Former Bethlehem Steel Road B\Design\Dona-Road B Parcels\FIG 3 - Dona-Road B Laydown.dwg 8/1/2024 2:17 PM

APPENDIX A

Daily Work Reports

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: June 13, 2022

Day of Week: S [X] M T W T F S

Sheet No. 1 of 1 DWR No. 1

	AM		PM	
Weather	Clear		Clear	
Temperature	65	° F	72	° F

CONTRACTOR WORK HOURS: 700 TO 1630

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.
First day of Work on Project.

Prime cleared brush and tall grass by walking a Kamatsu PC 138USLC over areas where survey stakes were to be placed. No soils were excavated or removed during this operation.

Approved Subcontractor GPI placed stakes at ROW to indicate location of Silt sock to be placed. Subcontractor also surveyed existing site conditions for the entire roadway for existing features and elevations.
A survey map will be provided once completed.

Contacted Sean Fallon, Project Manager, Buffalo and Erie County Land Development Agency, regarding location of contaminated soils pile placement. Arriel map was sent Via. E-mail. Site 3 was chosen by contractor. DEC to review.
Also, requested gate to be opened at Ridge Road for equipment access and Contractor will daisy chain a lock to the system.

Contacted Mike Puzzon of Zolads Construction, Site foreman for Uniland Development site.
Requested that the fence be moved from the ECIDA land (Road B) site.
Mike will have crew in AM to remove.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 6/13/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

MURK 1 REVERSE
(06/08)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 138USLC		1			
LABORER	1									
EQUIP. OPERATOR										
TRUCK DRIVERS										
IRONWORKERS										
CARPENTERS										
MASONS										
OWN./OPERATORS										
Surveyor		1								

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3:	OP 4:

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: June 14, 2022

Day of Week: S | M | [X] | W | T | F | S

Sheet No. 1 of 1 DWR No. 2

	AM		PM	
Weather	Clear		Clear	
Temperature	69	° F	78	° F

CONTRACTOR WORK HOURS: 700 TO 1630

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime assisted Zolads Construction crews with fence relocation.
Item 209.13 - Silt Fence (Temporary) (LF) - Prime placed 684 LF of Sediment Filter Log on the west side of the proposed roadway and 349 LF of Sediment Filter Log on the east side begining at Dona St.

Item 201.06 - Clearing and Grubbing (LS) - Prime began to clearing and grub at the south end of the proposed roadway. Debris and brush were removed and placed in a tandem dump. No soils were excavated or removed during this operation.
Work incomplete.

Items 614.060204 - 060404 - Tree Removal 6" to 24" (EA) - Prime cut and de-limbed trees within the ROW and as noted on the contract plans for removal. Some trees noted in the contract were removed during the site clearing operations for the new Uniland building site.
The remain trees were measured and noted for removal as follows
Item 614.060204 - (<6" - 12") 28 EA
Item 614.060304 - (<12" - 18") 6 EA
Item 614.060404 - (<18" - 24") 1 EA
Work incomplete.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 6/14/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(Continued)

Contacted Sean Fallon, regarding a staging area. Sean said the the capped slag lot can be used for this area and that the soil area to the east of this location can be used for stockpiling impacted material . (Email 6/15)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 138USLC		1			
LABORER	1									
EQUIP. OPERATOR										
TRUCK DRIVERS										
IRONWORKERS										
CARPENTERS										
MASONS										
OWN./OPERATORS										
Surveyor		1								

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3:	OP 4:

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: June 15, 2022

Day of Week: S | M | T | W | T | F | S

Sheet No. 1 of 1 DWR No. 3

	AM		PM	
Weather	Clear		Clear	
Temperature	75	° F	91	° F

CONTRACTOR WORK HOURS: 700 TO 1530

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Item 209.13 - Silt Fence (Temporary) (LF) - Prime completed placement of Sediment Filter Log in lu of Silt fence for the proposed roadway area. Installation was reviewed and was found to be acceptable. 849 LF of Sediment Filter Log on the west side of the proposed roadway and 1154 LF of Sediment Filter Log on the east side begining at Dona St.
All work complete
Therefore, Pay 75% of measured quantity per NYSDOT specification 209-5 BASIS OF PAYMENT.
Total Sediment Filter Log placed = 3066 LF x 0.75 = 2300 LF FINAL
Remainder to be paid upon removal.

Item 201.06 - Clearing and Grubbing (LS) - Prime continued to clearing and grub throughout the project limits. Debris and brush were removed and placed in a tandem dump. No soils were excavated or removed during this operation.
Bush was delivered to Zoladz mulching facility at other location within Renaissance Commerce Park.
Concrete debris were delivered to E&R General Constructions yard for crushing.
Work incomplete.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
209.13				LF	2,300.00		0+00 - 1500+00 end and radius 75% of total paid		
614.060204				EA	28.00		Various loctions in proposed roadway		
614.060304				EA	6.00		Various loctions in proposed roadway		
614.060404				EA	1.00		Various loctions in proposed roadway		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 6/15/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(Continued)

Items 614.060204 - 060404 - Tree Removal 6" to 24" (EA) - Prime cut and de-limbed trees within the ROW and noted on the contract plans for removal. Some trees noted in the contract were removed during the site clearing operations for the new Uniland building site.
The remain trees were measured and noted for removal as follows:
Item 614.060204 - (>6" - 12") 28 EA Total
Item 614.060304 - (>12" - 18") 6 EA Total
Item 614.060404 - (>18" - 24") 1 EA Total
All work is complete
Therefore, Pay items above. FM (Final)

Contacts:
Jeff Benderson, Uniland Construction - Discussed work limits and curb cut locations. will set up meetng to get all on board with overlapping/adjoining work.

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 138USLC		1			
LABORER	1									
EQUIP. OPERATOR										
TRUCK DRIVERS										
IRONWORKERS										
CARPENTERS										
MASONS										
OWN./OPERATORS										
Surveyor		1								

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3:	OP 4:

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: June 16, 2022

Day of Week: S | M | T | W | [X] | F | S

Sheet No. 1 of 1 DWR No. 4

	AM		PM	
Weather	Clear		Cloudy	
Temperature	71	° F	74	° F

CONTRACTOR WORK HOURS: 700 TO 1530

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Item 201.06 - Clearing and Grubbing (LS) - Prime continued to clearing and grub throughout the project limits. Debris and brush were removed and placed in a tandem dump. No soils were excavated or removed during this operation.
Bush was delivered to Zoladz mulching facility at other location within Renaissance Commerce Park. Concrete debris were delivered to E&R General Constructions yard for crushing.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 6/16/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(Continued)

E&R General Construction will be placing impacted material in the north east corner of lot 6, west of the service road.

Contacts:

Sean Fallon, - Discussed status of RAWP.

Meet with and reviewed sites for impacted material placement locations.

Followed up with Ariel noting sites to be used.

Contractor will not work tomorrow if RAWP is not approved. Majority of Clearing and grubbing is completed and contractor is prepared to begin excavation.

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 138USLC		1			
LABORER	1									
EQUIP. OPERATOR										
TRUCK DRIVERS										
IRONWORKERS										
CARPENTERS										
MASONS										
OWN./OPERATORS										
Surveyor		1								

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3:	OP 4:

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: June 17, 2022

Day of Week: S M T W T F S

Sheet No. 1 of 1 DWR No. 5

	AM		PM	
Weather	Clear		Cloudy	
Temperature	64	° F	74	° F

CONTRACTOR WORK HOURS: 700 TO 1530

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

No work performed today. RAWP has not been approved.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 6/17/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(Continued)

Contacts:

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 138USLC		1			
LABORER	1									
EQUIP. OPERATOR										
TRUCK DRIVERS										
IRONWORKERS										
CARPENTERS										
MASONS										
OWN./OPERATORS										
Surveyor		1								

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3:	OP 4:

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: June 20, 2022

Day of Week: S [X] M T W T F S

Sheet No. 1 of 1 DWR No. 6

	AM		PM	
Weather	Other		Other	
Temperature		° F		° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

No work performed today. RAWP has not been approved.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 6/20/22

Reviewed by: _____ ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed: _____

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(Continued)

Contacts:

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 138USLC		1			
LABORER	1									
EQUIP. OPERATOR										
TRUCK DRIVERS										
IRONWORKERS										
CARPENTERS										
MASONS										
OWN./OPERATORS										
Surveyor		1								

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3:	OP 4:

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: June 21, 2022

Day of Week: S M X W T F S

Sheet No. 1 of 1 DWR No. 7

	AM		PM	
Weather	Other		Other	
Temperature		° F		° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

No work performed today. RAWP has not been approved.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 6/21/22

Reviewed by: _____ ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed: _____

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(Continued)

Contacts:

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 138USLC		1			
LABORER	1									
EQUIP. OPERATOR										
TRUCK DRIVERS										
IRONWORKERS										
CARPENTERS										
MASONS										
OWN./OPERATORS										
Surveyor		1								

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3:	OP 4:

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: June 22, 2022

Day of Week: S M T W T F S

Sheet No. 1 of 1 DWR No. 8

	AM		PM	
Weather	Other		Other	
Temperature		° F		° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

No work performed today. RAWP has not been approved.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 6/22/22

Reviewed by: _____ ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed: _____

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(Continued)

Contacts:

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 138USLC		1			
LABORER	1									
EQUIP. OPERATOR										
TRUCK DRIVERS										
IRONWORKERS										
CARPENTERS										
MASONS										
OWN./OPERATORS										
Surveyor		1								

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3:	OP 4:

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: June 23, 2022

Day of Week: S | M | T | W | [X] | F | S

Sheet No. 1 of 1 DWR No. 9

	AM		PM	
Weather	Other		Other	
Temperature		° F		° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

No work performed today. RAWP has not been approved.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 6/23/22

Reviewed by: _____ ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed: _____

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(Continued)

Contacts:

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 138USLC		1			
LABORER	1									
EQUIP. OPERATOR										
TRUCK DRIVERS										
IRONWORKERS										
CARPENTERS										
MASONS										
OWN./OPERATORS										
Surveyor		1								

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3:	OP 4:

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: June 24, 2022

Day of Week: S | M | T | W | T | F | S

Sheet No. 1 of 1 DWR No. 10

	AM		PM	
Weather	Other		Other	
Temperature		° F		° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

No work performed today. RAWP has not been approved.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 6/24/22

Reviewed by: _____ ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed: _____

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(Continued)

Contacts:

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 138USLC		1			
LABORER	1									
EQUIP. OPERATOR										
TRUCK DRIVERS										
IRONWORKERS										
CARPENTERS										
MASONS										
OWN./OPERATORS										
Surveyor		1								

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3:	OP 4:

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: June 27, 2022

Day of Week: S [X] M T W T F S

Sheet No. 1 of 1 DWR No. 11

	AM		PM	
Weather	Other		Other	
Temperature		° F		° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

No work performed today. RAWP has not been approved.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 6/27/22

Reviewed by: _____ ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed: _____

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(Continued)

Contacts:

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 138USLC		1			
LABORER	1									
EQUIP. OPERATOR										
TRUCK DRIVERS										
IRONWORKERS										
CARPENTERS										
MASONS										
OWN./OPERATORS										
Surveyor		1								

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3:	OP 4:

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: June 28, 2022

Day of Week: S M [X] W T F S

Sheet No. 1 of 1 DWR No. 12

	AM		PM	
Weather	Other		Other	
Temperature		° F		° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

No work performed today. RAWP has not been approved.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 6/28/22

Reviewed by: _____ [ ] Engineer-in-Charge [ ] Resident Engineer Date Reviewed: _____

[ ] MURK 1-1 CONTINUATION attached for additional narrative. [ ] MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(Continued)

Contacts:

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 138USLC		1			
LABORER	1									
EQUIP. OPERATOR										
TRUCK DRIVERS										
IRONWORKERS										
CARPENTERS										
MASONS										
OWN./OPERATORS										
Surveyor		1								

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3:	OP 4:

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: June 29, 2022

Day of Week: S M T W T F S

Sheet No. 1 of 1 DWR No. 13

	AM		PM	
Weather	Other		Other	
Temperature		° F		° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

No work performed today. RAWP has not been approved.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 6/29/22

Reviewed by: _____ ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed: _____

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(Continued)

Contacts:

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 138USLC		1			
LABORER	1									
EQUIP. OPERATOR										
TRUCK DRIVERS										
IRONWORKERS										
CARPENTERS										
MASONS										
OWN./OPERATORS										
Surveyor		1								

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3:	OP 4:

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: June 30, 2022

Day of Week: S M T W [X] F S

Sheet No. 1 of 1 DWR No. 14

	AM		PM	
Weather	Other		Other	
Temperature		° F		° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

No work performed today. RAWP has not been approved.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 6/30/22

Reviewed by: _____ ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed: _____

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(Continued)

Contacts:

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 138USLC		1			
LABORER	1									
EQUIP. OPERATOR										
TRUCK DRIVERS										
IRONWORKERS										
CARPENTERS										
MASONS										
OWN./OPERATORS										
Surveyor		1								

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3:	OP 4:

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: July 01, 2022

Day of Week: S | M | T | W | T | F | S

Sheet No. 1 of 1 DWR No. 15

	AM		PM	
Weather	Other		Other	
Temperature		° F		° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

No work performed today. RAWP has not been approved.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 7/1/22

Reviewed by: _____ ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed: _____

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(Continued)

Contacts:

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 138USLC		1			
LABORER	1									
EQUIP. OPERATOR										
TRUCK DRIVERS										
IRONWORKERS										
CARPENTERS										
MASONS										
OWN./OPERATORS										
Surveyor		1								

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3:	OP 4:

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: July 05, 2022

Day of Week: S | M | [X] | W | T | F | S

Sheet No. 1 of 1 DWR No. 16

	AM		PM	
Weather	Rain		Cloudy	
Temperature	71	° F	75	° F

CONTRACTOR WORK HOURS: 0700 TO 1800

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Contractor began placement of 18" SICPP pipe from DS# D-1 to DS# B-2.

Item 206.0201 - TRENCH AND CULVERT EXCAVATION (CY) - Prime excavated trench for 18" SICP pipe from drainage structure MH D1 to MH B2 using a CAT 315 track excavator with a 3' bucket. Prime removed the top 1'+ material (to demarcation marker) and placed to side of trench. Prime then excavated the remaining depth and placed material into 1993 Mack Dump truck for on site disposal at previously approved location with in the Renaissance Commerce Park. All material below the top cap material was observed to contain no oil properties and appeared to be cinders, construction and materials debris.
All work complete.
Therefore, Pay item 206.0201 - TRENCH AND CULVERT EXCAVATION (CY): (280 LF x 4.5'W x 5.5' Avg. depth) / 27 = 261 CY Final

Item 603.9818 - SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN PIPE 18 INCH DIA. (LF) - Prime placed 18" pipe 4" into structure D1 and secured pipe into the structure by placement of type S mortar and concrete paver bricks, cut to size. structure opening was then parged using type S mortar. Pipe continued to place pipe to grade per-contract

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
206.0201				CY	261.00		MH D1 to MH B2		
603.9818				LF	280.00		MH D1 to MH B2		
203.07				CY	98.31		MH D1 to MH B2		
203.02				CY	46.67		MH D1 to MH B2		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 7/5/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(Continued)
in 20' lengths to Man Hole B2. Each pipe joint was lubricated per manufactures direction and inserted to the point (home) full insertion. Prime stopped short of MH B2.
Prime placed 280 LF of 18" SICPP.
All work complete.
Therefore, Pay item 603.9818 - SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN PIPE 18 INCH DIA. (LF): 280 LF Final

Item 203.07 - SELECT GRANULAR FILL (CY) - Prime place select fill (#1 crushed stone) over and around pipe to a depth of 1' over the top of the pipe.
All work complete
Therefore, Pay item 203.07 - SELECT GRANULAR FILL (CY): 4.5'W x 2.5'D x 280LF - (pipe dia of 1.77 SF / 1') = 2654.40CF / 27 CF/CY = 98.31 CY FINAL

Item 203.03 - EMBANKMENT IN-PLACE (CY) - Prime used the clean excavated material to backfill trench to finished grade using a Kamatsu PC 138USLC. Material was placed in 1' lifts and compacted using excavater bucket. Prime will return to compact using a vibratory roller and removed excess material to a depth of 1' below finish grade for placement of demarcation material. Then back fill with 6" of clean approved embankment and 6" of topsoil.
(280 LF x 4.5' W x 1' D) / 27CY/CF = 99.33 CY
Work complete.
Therefore, Pay Item 203.03 - EMBANKMENT IN-PLACE (CY): 46.67 CY FINAL

Contacts:
GPI on site to provide elevations and locations for structures.
Keystone rep. was on site. was not aware of digging. But agreed with contractors disposal and excavation procedures.

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 138USLC		1			
LABORER	3				Cat 315 Excavator		1			
EQUIP. OPERATOR	1				Dump Trucks		3			
TRUCK DRIVERS					Chop Saw (Stihl)		1			
IRONWORKERS					laser level		1			
CARPENTERS					Gas Broom (Stihl)		1			
MASONS										
OWN./OPERATORS										
Surveyor		2								

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3:	OP 4:

MURK 1 - 1
(06/08)

DAILY WORK REPORT - DESCRIPTION CONTINUATION

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: July 25, 2022

Day of Week: S [X] M T W T F S

Sheet No. 2 of 3 DWR No. 30

	AM		PM	
Weather				
Temperature				

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

15" DS B10 - DS B9: (3.75'W x 2.25'D x 19.65 LF - (pipe dia. 1.22 SF/1')) = 141.82 CF / 27 CF/CY = 5.25 CY

15" DS B12 - DS B11: (3.75'W x 2.25'D x 19.65 LF - (pipe dia. 1.22 SF/1')) = 141.82 CF / 27 CF/CY = 5.25 CY

15" DS B14 - DS B13: (3.75'W x 2.25'D x 19.65 LF - (pipe dia. 1.22 SF/1')) = 141.82 CF / 27 CF/CY = 5.25 CY

TOTAL = 168.63 CY FINAL

Item 604.300103 - DRAINAGE STRUCTURE TYPE A (LF)- Prime set Drainage structures B8, B1, B3, B5 at proper location and elevation per contract plan. All openings were grouted with type S mortar. Top was set on a bed of mortar.

All work complete.

Item 604.300103 - DRAINAGE STRUCTURE TYPE A (LF): Payment per Approved Shop Drawing.

Drainage Structure B10 = 5.25 LF

Drainage Structure B12 = 5.25 LF

Drainage Structure B14 = 4.75 LF

Drainage Structure B7 = 5.21 LF

Drainage Structure B9 = 5.21 LF

Drainage Structure B11 = 5.21 LF

Drainage Structure B13 = 4.85 LF

TOTAL = 35.73 LF FNAL

Item 206.0201 - TRENCH AND CULVERT EXCAVATION (CY) - Prime excavated for drainage structures B10,B12,B14,B7,B9,B11,B13 using a CAT 315 track excavator with a 3' bucket. Prime excavated to bottom of structure depth and placed excavated material to the side on top of existing previously excavated material for later use as subgrade material.

B10: 4.1D x 8.35W x 8.35L / 27 CF/CY = 10.59 CY

B12: 3.43D x 8.35W x 8.35L / 27 CF/CY = 8.86 CY

B14: 3.60D x 8.35W x 8.35L / 27 CF/CY = 9.30 CY

B7: 5.10D x 8.35W x 8.35L / 27 CF/CY = 13.17 CY

B9: 4.10D x 8.35W x 8.35L / 27 CF/CY = 10.59 CY

Inspector's Initials: MES

DAILY WORK REPORT - DESCRIPTION CONTINUATION

B11: 3.43D x 8.35W x 8.35L / 27 CF/CY = 8.86 CY
B13: 3.60D x 8.35W x 8.35L / 27 CF/CY = 9.30 CY
TOTAL = 70.67 CY

Item 203.07 - SELECT GRANULAR FILL (CY) - Prime place select fill (#1 crushed stone) around Drainage Structures to a depth of existing subgrade.
All work complete
Therefore, Pay Item 203.07 - SELECT GRANULAR FILL (CY):
B10: ((5.10D x 8.35W x 8.35L) - (5.10D x 4.35W x 4.35L)) / 27 CF/CY = 9.59 CY
B12: ((5.10D x 8.35W x 8.35L) - (5.10D x 4.35W x 4.35L)) / 27 CF/CY = 9.59 CY
B14: ((5.10D x 8.35W x 8.35L) - (5.10D x 4.35W x 4.35L)) / 27 CF/CY = 9.59 CY
B7: ((5.10D x 8.35W x 8.35L) - (5.10D x 4.35W x 4.35L)) / 27 CF/CY = 9.59 CY
B9: ((5.10D x 8.35W x 8.35L) - (5.10D x 4.35W x 4.35L)) / 27 CF/CY = 9.59 CY
B11: ((5.10D x 8.35W x 8.35L) - (5.10D x 4.35W x 4.35L)) / 27 CF/CY = 9.59 CY
B13: ((5.10D x 8.35W x 8.35L) - (5.10D x 4.35W x 4.35L)) / 27 CF/CY = 9.59 CY
TOTAL = 67.13 CY

Item 605.1702 - Optional Underdrain Pipe 6" Dia. (LF) - Prime placed underdrain pipe on the west side in same trench along with 15 SICPP. No item 605.1001-Underdrain Filter was used along this run due to select fill being placed for pipe and underdrain in the same operation and within overlaping fill limits. Each underdrain section was terminated in the drainage structure and grouted into place.
All work complete
Therefore, Pay Item 605.1702 - Optional Underdrain Pipe 6" Dia. (LF): 569.86 LF FINAL

Item 605.1001 - Underdrain Filter, Type 2 (CY) - Prime placed select granular fill over underdrain pipe as the pipe is being placed in same trench and along with the 15" SCIPP.
Prime will be paid at the higher rate of Underdrain Fliter Material and will place underdrain filter fabric on the east side underdrain at no additional cost.
No payment for Item 206.0201-Trench and Culvert will be made for placement of the underdrain pipe when placed in same trench and operation as SICPP pipes.
All work complete.
Therefore, Pay Item 605.1001 - Underdrain Filter, Type 2 (CY):
569.86 LF x 1.5 W x 1.33 D / 27 CF/CY = 42.11 CY

Inspector's Initials: MES

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: July 06, 2022

Day of Week: S | M | T | W | T | F | S

Sheet No. 1 of 1 DWR No. 17

	AM		PM	
Weather	Cloudy		Cloudy	
Temperature	67	° F	76	° F

CONTRACTOR WORK HOURS: 0700 TO 2000

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Contractor continued placement of 18" SICPP pipe from MH B2 to MH B1.

Item 206.0201 - TRENCH AND CULVERT EXCAVATION (CY) - Prime excavated trench for 18" SICP pipe from drainage structure 9.5' west of MH B2 to Sta. D8+13 LT using a CAT 315 track excavator with a 3' bucket. Prime removed the top 1'+ material and placed to side of trench. Prime then excavated the remaining depth and placed material into 1993 Mack Dump truck for on site disposal at previously approved location within the Renaissance Commerce Park. All material below the top cap material was observed to contain no oil properties and appeared to be cinders, construction and materials debris.
All work complete.
Therefore, Pay item 206.0201 - TRENCH AND CULVERT EXCAVATION (CY): (170.50 LF x 4.5'W x 5.5' Avg. depth) / 27 = 156.29 CY Final

Item 603.9818 - SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN PIPE 18 INCH DIA. (LF) - Prime placed 18" pipe 4" into structure MH B2 and secured pipe into the structure by placement of type S mortar and concrete paver bricks, cut to size. Structure opening was then parged using type S mortar. Pipe continued to be placed to grade per-contract in 20' lengths

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
206.0201				CY	156.29		MH B2 to Sta. D8+13 LT		
603.9818				LF	170.50		MH B2 to Sta. D8+13 LT		
203.07				CY	59.86		MH B2 to Sta. D8+13 LT		
604.4048				LF	5.67		MH B2		
203.03				CY	56.83		MH B2 to Sta. D8+13 LT		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 7/6/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(Continued)
to Sta. D8+13 LT. Each pipe joint was lubricated per manufactures direction and inserted to the point (home) full insertion.
Prime placed 170.50 LF of 18" SICPP.
All work complete.
Therefore, Pay item 603.9818 - SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN PIPE 18 INCH DIA. (LF): 170.50 LF Final

Item 203.07 - SELECT GRANULAR FILL (CY) - Prime place select fill (#1 crushed stone) over and around pipe to a depth of 1' over the top of the pipe.
All work complete
Therefore, Pay item 203.07 - SELECT GRANULAR FILL (CY): 4.5' x 2.5' x 170.50 LF - (pipe dia of 1.77 SF / 1') = 2654.40CF / 27 CF/CY = 59.86 CY FINAL

Item 203.03 - EMBANKMENT IN-PLACE (CY) - Prime used clean excavated material to backfill trench to finished grade using a Material was placed in 1' lifts and compacted using excavated bucket. Prime will return to compact using a vibratory roller and removed excess material to a depth of 1' below finish grade for placement of demarcation material. Then back fill with 6" of clean approved embankment and 6" of topsoil.
(170.50 LF x 4.5' W x 2' D) / 27CY/CF = 56.83 CY
Work complete.
Therefore, Pay Item 203.03 - EMBANKMENT IN-PLACE (CY): 56.83 CY

Item 604.4048 - ROUND PRECAST MANHOLE TYPE 48 - Prime set manhole B-2 at proper location and elevation per contract plan. All openings were grouted with type S mortar. Top was set with neoprene seal ring.
All work complete.
Therefore, Pay Item 604.4048 - ROUND PRECAST MANHOLE TYPE 48: 5.67 LF per shop Dwg.

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 138USLC		1			
LABORER	3				Cat 315 Excavator		1			
EQUIP. OPERATOR	1				Dump Trucks		3			
TRUCK DRIVERS					Chop Saw (Stihl)		1			
IRONWORKERS					laser level		1			
CARPENTERS					Gas Broom (Stihl)		1			
MASONS										
OWN./OPERATORS	1									
Surveyor		2								
Apprentice	1									

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3:	OP 4:

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: July 07, 2022

Day of Week: S | M | T | W | X | F | S

Sheet No. 1 of 1 DWR No. 18

	AM		PM	
Weather	Clear		Clear	
Temperature	67	° F	76	° F

CONTRACTOR WORK HOURS: 0700 TO 2000

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Contractor continued placement of 18" SICPP pipe from DS# B-2 to DS# B-1.

Item 206.0201 - TRENCH AND CULVERT EXCAVATION (CY) - Prime excavated trench for 18" SICPP pipe from Sta. D8+13 LT to new Manhole (MH B1) location at Sta. D9+63 - 8' off curb line. using a CAT 315 track excavator with a 3' bucket. Prime removed the top 1'+ material and placed to side of trench. Prime then excavated the remaining depth and placed material into 1993 Mack Dump truck for on site disposal at previously approved location within the Renaissance Commerce Park. All material below the top cap material was observed to contain no oil properties and appeared to be cinders, construction and materials debris.
All work complete.
Therefore, Pay item 206.0201 - TRENCH AND CULVERT EXCAVATION (CY): (147.50 LF x 4.5'W x 5.5' Avg. depth) / 27 = 135.21 CY Final

Item 603.9818 - SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN PIPE 18 INCH DIA. (LF) - Prime placed 18" SICPP 4" into structure MH B1 and secured pipe into the structure by placement of type S mortar and concrete paver bricks, cut to size. Structure opening was then parged using type S mortar. Pipe continued to be placed to grade per-contract in 20' lengths

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
206.0201				CY	135.21		Sta. D8+13 LT to MH B1 (Sta. D9+63)		
603.9818				LF	147.50		Sta. D8+13 LT to MH B1 (Sta. D9+63)		
203.07				CY	51.79		Sta. D8+13 LT to MH B1 (Sta. D9+63)		
604.4048				LF	6.17		MH B1		
206.0201				CY	32.60		MH B1 and MH B2		
203.07				CY	19.64		MH B1 and MH B2		
203.03				CY	49.17		Sta. D8+13 LT to MH B1 (Sta. D9+63)		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 7/7/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(Continued)
from Sta. D8+13 LT to MH B1 (Sta. D9+63). Each pipe joint was lubricated per manufactures direction and inserted to the point (home) full insertion.
Prime placed 147.50 LF of 18" SICPP.
All work complete.
Therefore, Pay item 603.9818 - SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN PIPE 18 INCH DIA. (LF): 147.50 LF Final

Item 203.07 - SELECT GRANULAR FILL (CY) - Prime place select fill (#1 crushed stone) over and around pipe to a depth of 1' over the top of the pipe.
All work complete
Therefore, Pay item 203.07 - SELECT GRANULAR FILL (CY): 4.5' x 2.5' x 147.50 LF - (pipe dia of 1.77 SF / 1') = 1398.30 CF / 27 CF/CY = 51.79 CY FINAL

Item 203.03 - EMBANKMENT IN-PLACE (CY) - Prime used clean excavated material to backfill trench to finished grade using a Material was placed in 1' lifts and compacted using excavated bucket. Prime will return to compact using a vibratory roller and removed excess material to a depth of 1' below finish grade for placement of demarcation material. Then back fill with 6" of clean approved embankment and 6" of topsoil.
All work Complete
Therefore, Pay Item 203.03 - EMBANKMENT IN-PLACE (CY)
(147.50 LF x 4.5' W x 2' D) / 27CY/CF = 49.17 CY FINAL

Item 604.4048 - ROUND PRECAST MANHOLE TYPE 48 - Prime set manhole B-1 at proper location and elevation per contract plan. All openings were grouted with type S mortar. Top was set with neoprene seal ring.
All work complete.
Therefore, Pay Item 604.4048 - ROUND PRECAST MANHOLE TYPE 48: 6.17 LF per shop Dwg.

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 138USLC		1			
LABORER	3				Cat 315 Excavator		1			
EQUIP. OPERATOR	1				Dump Trucks		3			
TRUCK DRIVERS					Chop Saw (Stihl)		1			
IRONWORKERS					laser level		1			
CARPENTERS					Gas Broom (Stihl)		1			
MASONS										
OWN./OPERATORS	1									
Surveyor		2								
Apprentice	1									

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3:	OP 4:

MURK 1 - 1
(06/08)

DAILY WORK REPORT - DESCRIPTION CONTINUATION

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: July 07, 2022

Day of Week: S M T W [X] F S

Sheet No. 2 of 2 DWR No. 18

	AM		PM	
Weather				
Temperature				

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Item 206.0201 - TRENCH AND CULVERT EXCAVATION (CY) - Prime excavated for MH B1 and B2 All work complete.

Therefore, Pay Item 206.0201 - TRENCH AND CULVERT EXCAVATION (CY) -

B2 = (6.67 H x (4.5R x 3.14)) / 27= 15.71 CY

B1 = (7.17 H x (4.5R x 3.14)) / 27 = 16.89 CY

TOTAL = 32.60 CY FINAL

Item 203.07 - SELECT GRANULAR FILL (CY) - Prime back filled MH B-1 and MH B-2 with select granular fill to top of concrete structure. All Work Complete.

Therefore, Pay Item 203.07 - SELECT GRANULAR FILL (CY)

B2 = (5.67 H x (4.5R x 3.14)) - (5.67 2.5R x 3.14)/ 27= 9.23 CY

B1 = (6.17 H x (4.5R x 3.14)) - (5.67 2.5R x 3.14)/ 27 = 10.41 CY

TOTAL = 19.64 CY FINAL

While placing the 18" SICPP it became apparent that the pipe would not be able to cross under the existing 15" SICPP. The new 18" SICPP was re routed to run parallel to the existing 15" SICPP. This would also require the relocation of Manhole B-1 to align with the new location of the 18" SICPP.

Craig Wilson of ECWA was on site to observe the excavation near the 16" water main and hydrant "T".

Sean Fallon, Stated that without the approved RAWP that the contractor can bust the existing foundations and remove the larger chunks of concrete from the site provided no dirt be removed and no excavation of the dirt occurs.

Inspector's Initials: MES

MURK 1-1
(06/08)

DAILY WORK REPORT - DESCRIPTION CONTINUATION

Inspector's Initials: MES

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: July 08, 2022

Day of Week: S | M | T | W | T | F | S

Sheet No. 1 of 1 DWR No. 19

	AM		PM	
Weather	Clear		Cloudy	
Temperature	57	° F	78	° F

CONTRACTOR WORK HOURS: 0700 TO 1900

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Contractor continued placement of 18" SICPP pipe from MH B1 to stub off MH B1 (33')

Item 206.0201 - TRENCH AND CULVERT EXCAVATION (CY) - Prime excavated trench for 18" SICPP pipe from MH B1 Sta. B0+55. using a CAT 315 track excavator with a 3' bucket. Prime removed the top 1'+ material and placed to side of trench. Prime then excavated the remaining depth and placed material into 1993 Mack Dump truck for on site disposal at previously approved location within the Renaissance Commerce Park. All material below the top cap material was observed to contain no oil properties and appeared to be cinders, construction and materials debris.
All work complete.
Therefore, Pay item 206.0201 - TRENCH AND CULVERT EXCAVATION (CY): (33.0 LF x 4.5'W x 6.0' Avg. depth) / 27 = 33.00 CY Final

Item 603.9818 - SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN PIPE 18 INCH DIA. (LF) - Prime placed 18" pipe 4" into structure B-2 and secured pipe into the structure by placement of type S mortar and concrete paver bricks, cut to size. Structure opening was then parged using type S mortar. Pipe continued to be placed to grade per-contract in 20' lengths

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
206.0201				CY	33.00		MH B1 Sta. B0+55		
603.9818				LF	33.00		MH B1 Sta. B0+55		
203.07				CY	11.59		MH B1 Sta. B0+55		
203.03				CY	13.75		MH B1 Sta. B0+55		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 7/8/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(Continued)
from MH B-1 Sta. B0+55. Each pipe joint was lubricated per manufactures direction and inserted to the point (home) full insertion.
Prime placed 147.50 LF of 18" SICPP.
All work complete.
Therefore, Pay item 603.9818 - SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN PIPE 18 INCH DIA. (LF): 33.00 LF Final

Item 203.07 - SELECT GRANULAR FILL (CY) - Prime place select fill (#1 crushed stone) over and around pipe to a depth of 1' over the top of the pipe.
All work complete
Therefore, Pay item 203.07 - SELECT GRANULAR FILL (CY): 4.5' x 2.5' x 33.00 LF - (pipe dia of 1.77 SF / 1') = 312.84 CF / 27 CF/CY = 11.59 CY FINAL

Item 203.03 - EMBANKMENT IN-PLACE (CY) - Prime used clean excavated material to backfill trench to finished grade using a Material was placed in 1' lifts and compacted using excavated bucket. Prime will return to compact using a vibratory roller and removed excess material to a depth of 1' below finish grade for placement of demarcation material. Then back fill with 6" of clean approved embankment and 6" of topsoil.
(33 LF x 4.5' W x 2.5' D) / 27CY/CF = 13.75 CY
Work incomplete. See future report for payment.

Item 202.19 - REMOVAL OF SUBSTRUCTURES (CY) - Prime removed substructures between Sta. B1+05 RT and B 1+63 RT using a 228 Komatsu Excavator with a 4050 LPS ROCX Breaker.
Concrete was removed to the extent that no dirt was removed with the concrete and only the larger blocks of concrete were removed from site.
Concrete was transported to E & R yard on Lake Ave. for crushing.
Work incomplete.
See future report for payment.

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 138USLC		1			
LABORER	3				Cat 315 Excavator		1			
EQUIP. OPERATOR	1				Dump Trucks		3			
TRUCK DRIVERS					Chop Saw (Stihl)		1			
IRONWORKERS					laser level		1			
CARPENTERS					Gas Broom (Stihl)					
MASONS					4050 LPS ROCX Breaker		1			
OWN./OPERATORS	1									
Surveyor										
Apprentice										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3:	OP 4:

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: July 11, 2022

Day of Week: S [X] M T W T F S

Sheet No. 1 of 1 DWR No. 20

	AM		PM	
Weather	Clear		Cloudy	
Temperature	70	° F	81	° F

CONTRACTOR WORK HOURS: 0700 TO 1900

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Contractor continued substructure removal.

Item 202.19 - REMOVAL OF SUBSTRUCTURES (CY) - Prime removed substructures between Sta. B2+95 RT and B 4+75 RT using a 228 Komatsu Excavator with a 4050 LPS ROCX Breaker. Concrete was removed to the extent that no dirt was removed with the concrete and only the larger blocks of concrete were removed.
Concrete was trasported to E & R yard on Lake Ave. for crushing.
Work incomplete.
See future report for payment.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 7/11/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

MURK 1 REVERSE
(06/08)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 138USLC					
LABORER	2				Cat 315 Excavator		1			
EQUIP. OPERATOR	1				Dump Trucks		2			
TRUCK DRIVERS					Chop Saw (Stihl)		1			
IRONWORKERS					laser level		1			
CARPENTERS					Gas Broom (Stihl)		1			
MASONS					Kamatsu PC 138USLC		1			
OWN./OPERATORS	1				ROCX Breaker		1			
Surveyor										
Apprentice										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3:	OP 4:

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: July 12, 2022

Day of Week: S M [X] W T F S

Sheet No. 1 of 1 DWR No. 21

	AM		PM	
Weather	Clear		Clear	
Temperature	68	° F	72	° F

CONTRACTOR WORK HOURS: 0700 TO 2000

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Contractor continued substructure removal.

Item 202.19 - REMOVAL OF SUBSTRUCTURES (CY) - Prime removed substructures between Sta. B1+60 RT and B 1+22 RT, B4+80 RT TO B5+10 RT and B7+80 LT - B8+30 LT using a 228 Komatsu Excavator with a 4050 LPS ROCX Breaker. Concrete was removed to the extent that no dirt was removed with the concrete and only the larger blocks of concrete were removed.
Concrete was trasported to E & R yard on Lake Ave. for crushing.
Work incomplete.
See future report for payment.

Drainage Structures 1-14 delivered to site.
54 stick of 15" SICPP delivered to site.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 7/12/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

MURK 1 REVERSE
(06/08)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 138USLC					
LABORER	2				Cat 315 Excavator		1			
EQUIP. OPERATOR	1				Dump Trucks		2			
TRUCK DRIVERS					Chop Saw (Stihl)		1			
IRONWORKERS					laser level		1			
CARPENTERS					Gas Broom (Stihl)		1			
MASONS					Kamatsu PC 138USLC		1			
OWN./OPERATORS	1				ROCX Breaker		1			
Surveyor										
Apprentice										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3:	OP 4:

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: July 13, 2022

Day of Week: S | M | T | W | T | F | S

Sheet No. 1 of 1 DWR No. 22

	AM		PM	
Weather	Clear		Cloudy	
Temperature	65	° F	76	° F

CONTRACTOR WORK HOURS: 0700 TO 2000

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Contractor continued substructure removal.

Item 202.19 - REMOVAL OF SUBSTRUCTURES (CY) - Prime removed substructures between Sta. B8+15 RT and B 8+63 RT, B8+47 LT TO B9+00 LT using a 228 Komatsu Excavator with a 4050 LPS ROCX Breaker. Concrete was removed to the extent that no dirt was removed with the concrete and only the larger blocks of concrete were removed.
Concrete was trasported to E & R yard on Lake Ave. for crushing.
Work incomplete.
See future report for payment.

Item 203.02 - UNCLASSIFIED EXCAVATION AND DISPOSAL (CY) - Prime uncovered railroad ties and rails from Sta. B5+50 to Sta. B7+50, 6' RT. Railroad ties were rotting and may cause a soft spot in the roadway section. Therefore, Contractor was instructed to remove the ties for the subgrade. This work is considered extra. Ties were placed in the approved disposal site in the Renaissance Commerce Park.
All work Complete
Therefore, Pay Item 203.02 - UNCLASSIFIED EXCAVATION AND DISPOSAL (CY) -
(200LF x 5'W x 2' Avg D)27 = 74.04 CY FINAL

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
203.02				CY	74.04		Extra Work B5+50 - B7+50 RR Ties		
203.03				CY	74.04		Extra Work B5+50 - B7+50 RR Ties		
627.50140008				LF	96.00		TRS Packaging Driveway		
627.50140008				LF	32.00		Extra TRS Packaging Driveway		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 7/13/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

Item 203.03 - EMBANKMENT-IN-PLACE (CY) - Prime placed excavated material from removal of RR ties back into excavation and added additional material from on site to fill to existing grade. Back fill material was considered contaminated material.
This work is extra work.
All work complete.
Therefore, Pay Item 203.03 - EMBANKMENT-IN-PLACE (CY) - (200LF x 5'W x 2' Avg D)27 = 74.04 CY FINAL

ITEM 627.50140008 - CUTTING PAVEMENT (LF) - Prime previously vermeer cut pavement of driveway to TRS Packaging for placement of 18" SICPP across driveway. Prime initial cut was per contract plans. However, due to the need to relocate / move the 18" SICPP to parallel the existing 15" SICPP, a second vermeer cut was necessary.
All work complete.
Therefore, Pay ITEM 627.50140008 - CUTTING PAVEMENT (LF)
Initial Vermeer cut 96 LF FINAL
Second Vermeer cut 32 LF (Extra) FINAL

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 138USLC					
LABORER	2				Cat 315 Excavator		1			
EQUIP. OPERATOR	1				Dump Trucks		2			
TRUCK DRIVERS					Chop Saw (Stihl)		1			
IRONWORKERS					laser level		1			
CARPENTERS					Gas Broom (Stihl)		1			
MASONS					Kamatsu PC 138USLC		1			
OWN./OPERATORS	1				ROCX Breaker		1			
Surveyor					228 Komatsu Excavator		1			
Apprentice										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3:	OP 4:

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: July 14, 2022

Day of Week: S M T W [X] F S

Sheet No. 1 of 1 DWR No. 23

	AM		PM	
Weather	Cloudy		Clear	
Temperature	69	° F	77	° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Contractor waqs not on site. Working other project.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 7/14/22

Reviewed by: _____ ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed: _____

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

MURK 1 REVERSE
(06/08)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 138USLC					
LABORER	2				Cat 315 Excavator		1			
EQUIP. OPERATOR	1				Dump Trucks		2			
TRUCK DRIVERS					Chop Saw (Stihl)		1			
IRONWORKERS					laser level		1			
CARPENTERS					Gas Broom (Stihl)		1			
MASONS					Kamatsu PC 138USLC		1			
OWN./OPERATORS	1				ROCX Breaker		1			
Surveyor										
Apprentice										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3:	OP 4:

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: July 15, 2022

Day of Week: S M T W T F S

Sheet No. 1 of 1 DWR No. 24

	AM		PM	
Weather	Cloudy		Clear	
Temperature	69	° F	77	° F

CONTRACTOR WORK HOURS: 0700 TO 2000

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Contractor continued substructure removal.

Item 202.19 - REMOVAL OF SUBSTRUCTURES (CY) - Prime removed substructures between Sta. B8+22 LT and B 6+53 LT, using a 228 Komatsu Excavator with a 4050 LPS ROCX Breaker. Concrete was removed to the extent that no dirt was removed with the concrete and only the larger blocks of concrete were removed.
Concrete was trasported to E & R yard on Lake Ave. for crushing.
Work incomplete.
See future report for payment.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 7/15/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

MURK 1 REVERSE
(06/08)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 138USLC					
LABORER	2				Cat 315 Excavator		1			
EQUIP. OPERATOR	1				Dump Trucks		2			
TRUCK DRIVERS					Chop Saw (Stihl)		1			
IRONWORKERS					laser level		1			
CARPENTERS					Gas Broom (Stihl)		1			
MASONS					Kamatsu PC 138USLC		1			
OWN./OPERATORS	1				ROCX Breaker		1			
Surveyor										
Apprentice										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3:	OP 4:

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: July 18, 2022

Day of Week: S [X] M T W T F S

Sheet No. 1 of 1 DWR No. 25

	AM		PM	
Weather	Cloudy		Clear	
Temperature	69	° F	77	° F

CONTRACTOR WORK HOURS: 0700 TO 2000

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Contractor continued substructure removal.

Item 202.19 - REMOVAL OF SUBSTRUCTURES (CY) - Prime removed substructures between Sta. B5+78 LT and B 4+35 LT, using a 228 Komatsu Excavator with a 4050 LPS ROCX Breaker. Concrete was removed to the extent that no dirt was removed with the concrete and only the larger blocks of concrete were removed.
Concrete was trasported to E & R yard on Lake Ave. for crushing.
Work incomplete.
See future report for payment.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 7/18/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

MURK 1 REVERSE
(06/08)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 138USLC					
LABORER	2				Cat 315 Excavator		1			
EQUIP. OPERATOR	1				Dump Trucks		2			
TRUCK DRIVERS					Chop Saw (Stihl)		1			
IRONWORKERS					laser level		1			
CARPENTERS					Gas Broom (Stihl)		1			
MASONS					Kamatsu PC 138USLC		1			
OWN./OPERATORS	1				ROCX Breaker		1			
Surveyor										
Apprentice										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3:	OP 4:

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: July 19, 2022

Day of Week: S M X W T F S

Sheet No. 1 of 1 DWR No. 26

	AM		PM	
Weather	Cloudy		Clear	
Temperature	70	° F	82	° F

CONTRACTOR WORK HOURS: 0700 TO 2030

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Contractor continued substructure removal.

Item 202.19 - REMOVAL OF SUBSTRUCTURES (CY) - Prime removed substructures at verious locations on Road B, using a 228 Komatsu Excavator with a 4050 LPS ROCX Breaker. Concrete was removed to the extent that no dirt was removed with the concrete and only the larger blocks of concrete were removed.
Concrete was trasported to E & R yard on Lake Ave. for crushing.
Work incomplete.
See future report for payment.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 7/19/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

MURK 1 REVERSE
(06/08)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 138USLC					
LABORER	2				Cat 315 Excavator		1			
EQUIP. OPERATOR	1				Dump Trucks		2			
TRUCK DRIVERS					Chop Saw (Stihl)		1			
IRONWORKERS					laser level		1			
CARPENTERS					Gas Broom (Stihl)		1			
MASONS					Kamatsu PC 138USLC		1			
OWN./OPERATORS	1				ROCX Breaker		1			
Surveyor										
Apprentice										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3:	OP 4:

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: July 20, 2022

Day of Week: S | M | T | W | T | F | S

Sheet No. 1 of 1 DWR No. 27

	AM		PM	
Weather	Cloudy		Clear	
Temperature	75	° F	90	° F

CONTRACTOR WORK HOURS: 0700 TO 2030

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Contractor continued substructure removal.

Item 202.19 - REMOVAL OF SUBSTRUCTURES (CY) - Prime removed substructures at verious locations on Road B, using a 228 Komatsu Excavator with a 4050 LPS ROCX Breaker. Concrete was removed to the extent that no dirt was removed with the concrete and only the larger blocks of concrete were removed.
Concrete was trasported to E & R yard on Lake Ave. for crushing.
Work incomplete.
See future report for payment.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 7/20/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

MURK 1 REVERSE
(06/08)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 138USLC					
LABORER	2				Cat 315 Excavator		1			
EQUIP. OPERATOR	1				Dump Trucks		2			
TRUCK DRIVERS					Chop Saw (Stihl)		1			
IRONWORKERS					laser level		1			
CARPENTERS					Gas Broom (Stihl)		1			
MASONS					Kamatsu PC 138USLC		1			
OWN./OPERATORS	1				ROCX Breaker		1			
Surveyor										
Apprentice										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3:	OP 4:

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: July 21, 2022

Day of Week: S | M | T | W | X | F | S

Sheet No. 1 of 3 DWR No. 28

	AM		PM	
Weather	Clear		Clear	
Temperature	71	° F	85	° F

CONTRACTOR WORK HOURS: 0700 TO 2030

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Contractor continued substructure removal.

Item 202.19 - REMOVAL OF SUBSTRUCTURES (CY) - Prime removed substructures at verious locations on Road B, using a 228 Komatsu Excavator with a 4050 LPS ROCX Breaker. Concrete was removed to the extent that no dirt was removed with the concrete and only the larger blocks of concrete were removed.
Concrete was trasported to E & R yard on Lake Ave. for crushing.
Known work is complete. Future quantities may occur if necessary.
Therefore, Pay quantity to date.
See attached summary of work report.
Item 202.19 - REMOVAL OF SUBSTRUCTURES (CY): 784.54 CY Interim.

Prime continued to place 18" SICPP Pipe from MH B1 to DS B2
Item 206.0201 - TRENCH AND CULVERT EXCAVATION (CY) - Prime excavated trench for 18" SICP pipe from 33' north of drainage structure MH# B1 to DS B2 using a CAT 315 track excavator with a 3' bucket. Prime excavated to invert depth and placed excavated material to the side on top of existing previously excavated material for later use as subgrade material.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
202.19				CY	784.54		Road B		
206.0201				CY	365.39		MH B1 - DS B2, DS B2 - DS B4, DS B4 - DS B6		
603.9818				LF	108.90		33' N. of MH B1 to DS B2		
603.9815				LF	397.58		DS B2 to DS B6		
203.07				CY	142.69		MH-BI to DS B2 to DS B4 to DS B6		
604.300103				LF	15.84		DS #'s B2, B4, B6		
206.0201				CY	36.03		DS #'s B2, B4, B6		
203.07				CY	27.09		DS #'s B2, B4, B6		
605.1702				LF	506.48		MH-BI to DS B2 to DS B4 to DS B6		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 7/21/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(Con't)
Prime also trenched for 15" SICPP between DS B2 and DS B4. 177.13 LF
Prime also trenched for 15" SICPP between DS B4 and DS B6. 217.11 LF
All work complete.
Therefore, Pay item 206.0201 - TRENCH AND CULVERT EXCAVATION (CY):
18" MH B1 - DS B2 = (142.80 LF x 4.5'W x 5.0' Avg. depth) / 27 = 119.00 CY
15" DS B2 - DS B4 = (177.13 LF x 3.75'W x 4.5' Avg. depth) / 27 = 110.70 CY
15" DS B4 - DS B6 = (217.11 LF x 3.75'W x 4.5' Avg. depth) / 27 = 135.69 CY
TOTAL = 365.39 CY FINAL

Item 603.9818 - SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN PIPE 18 INCH DIA. (LF) - Prime placed 18" pipe 4" into DS B2 and secured pipe into the structure by placement of type S mortar and concrete paver bricks, cut to size. Structure opening was then parged using type S mortar. Pipe continued to be placed to grade per-contract in 20' lengths to DS B6. Each pipe joint was lubricated per manufactures direction and inserted to the point (home) full insertion.
Prime placed 108.9 LF of 18" SICPP.
All work complete.
Therefore, Pay item 603.9818 - SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN PIPE 18 INCH DIA. (LF): 108.9 LF Final

Item 603.9815 - SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN PIPE 15 INCH DIA. (LF) - Prime placed 15" pipe 4" into DS B2 and secured pipe into the structure by placement of type S mortar and concrete paver bricks, cut to size. Structure opening was then parged using type S mortar. Pipe continued to be placed to grade per-contract in 20' lengths to DS B6. Each pipe joint was lubricated per manufactures direction and inserted to the point (home) full insertion.
Prime placed 397.58 LF of 15" SICPP.
All work complete.
Therefore, Pay item 603.9815 - SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN PIPE 15 INCH DIA. (LF): 397.58 LF Final

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 138USLC		1			
LABORER	2				Cat 315 Excavator		1			
EQUIP. OPERATOR	3				Dump Trucks		3			
TRUCK DRIVERS					Chop Saw (Stihl)		1			
IRONWORKERS					laser level		1			
CARPENTERS										
MASONS					Kamatsu PC 138USLC		1			
OWN./OPERATORS	1				ROCX Breaker		1			
Surveyor										
Apprentice										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3:	OP 4:

MURK 1 - 1
(06/08)

DAILY WORK REPORT - DESCRIPTION CONTINUATION

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: July 21, 2022

Day of Week: S M T W [X] F S

Sheet No. 2 of 3 DWR No. 28

	AM		PM	
Weather				
Temperature				

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Item 203.07 - SELECT GRANULAR FILL (CY) - Prime place select fill (#1 crushed stone) over and around pipe to a depth of 1' over the top of the pipe.

All work complete

Therefore, Pay item 203.07 - SELECT GRANULAR FILL (CY):

18": (4.5' x 2.5' x 106.23 LF - (pipe dia of 1.77 SF/1')) = 1007.06 CF / 27 CF/CY = 37.30 CY

15": (3.75' x 2.25' x 177.13 LF - (pipe dia. 1.22 SF/1')) = 1278.44 / 27 CF/CY = 47.35 CY

15": (3.75' x 2.25' x 217.11 LF - (pipe dia. 1.22 SF/1')) = 1566.99 / 27 CF/CY = 58.04 CY

TOTAL = 142.69 CY FINAL

Drainage Structure #B2 and B1 were relocated from Sta. B1+27.86 to the low point in the vertical curve at Sta. B1+67.70. This required additional 18" SICPP to connect MH B1 to DS B2.

Item 604.300103 - DRAINAGE STRUCTURE TYPE A (LF)- Prime set Drainage structures B2, B4, B6 at proper location and elevation per contract plan. All openings were grouted with type S mortar. Top was set on a bed of mortar.

All work complete.

Item 604.300103 - DRAINAGE STRUCTURE TYPE A (LF): Payment per Approved Shop Drawing.

Drainage Structure B2 = 5.33 LF

Drainage Structure B4 = 5.25 LF

Drainage Structure B6 = 5.26 LF

TOTAL = 15.84 LF FNAL

Item 206.0201 - TRENCH AND CULVERT EXCAVATION (CY) - Prime excavated for drainage structures B2,B4,B6 using a CAT 315 track excavator with a 3' bucket. Prime excavated to bottom of structure depth and placed excavated material to the side on top of existing previously excavated material for later use as subgrade material.

B2: 4.43D x 8.35W x 8.35L / 27 CF/CY = 11.43 CY

B4: 4.43D x 8.35W x 8.35L / 27 CF/CY = 11.43 CY

B6: 5.10D x 8.35W x 8.35L / 27 CF/CY = 13.17 CY

TOTAL = 36.03 CY

Inspector's Initials: MES

DAILY WORK REPORT - DESCRIPTION CONTINUATION

Item 203.07 - SELECT GRANULAR FILL (CY) - Prime place select fill (#1 crushed stone) around Drainage Structures to a depth of existing subgrade.

All work complete

Therefore, Pay Item 203.07 - SELECT GRANULAR FILL (CY):

B2: ((4.80D x 8.35W x 8.35L) - (4.80D x 4.35W x 4.35L)) / 27 CF/CY = 9.03 CY

B4: ((4.80D x 8.35W x 8.35L) - (4.80D x 4.35W x 4.35L)) / 27 CF/CY = 9.03 CY

B6: ((4.80D x 8.35W x 8.35L) - (4.80D x 4.35W x 4.35L)) / 27 CF/CY = 9.03 CY

TOTAL = 27.09 CY

Item 605.1702 - Optional Underdrain Pipe 6" Dia. (LF) - Prime placed underdrain pipe on the west side in same trench along with 18" and 15" SICPP. No item 605.1001-Underdrain Filter was used along this run due to select fill being placed for pipe and underdrain in the same operation.

Prime placed 506.48 LF of underdrain pipe between Sta. B0+55 LT to DS B6. Each underdrain section was terminated in the drainage structure and grouted into place.

All work complete

Therefore, Pay Item 605.1702 - Optional Underdrain Pipe 6" Dia. (LF): 506.48 LF FINAL

Item 605.1001 - Underdrain Filter, Type 2 (CY) - Prime placed select granular fill over underdrain pipe as the pipe is being placed in same trench and along with the 15" and 18" SCIPP. Prime will be paid at the higher rate of Underdrain Fliter Material and will place underdrain filter fabric on the east side underdrain at no additional cost.

No payment for Item 206.0201-Trench and Culvert will be made for placement of the underdrain pipe when placed in same trench as SICPP pipes.

All work complete.

Therefore, Pay Item 605.1001 - Underdrain Filter, Type 2 (CY):

((506.48 LF - 10 LF (at structures)) x 1.5 W x 1.33 D) / 27 CF/CY = 36.68 CY

Inspector's Initials: MES

MURK 1-2
(06/08)

DAILY WORK REPORT - CONTRACT PAY ITEM CONTINUATION

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: **July 21, 2022**

Day of Week: S M T W [X] F S

Sheet No. **3** of **3** DWR No. **28**

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
605.1001				CY	36.68		MH-BI to DS B2 to DS B4 to DS B6		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 7/21/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

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MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: July 22, 2022

Day of Week: S | M | T | W | T | F | S

Sheet No. 1 of 3 DWR No. 29

	AM		PM	
Weather	Cloudy		Clear	
Temperature	72	° F	81	° F

CONTRACTOR WORK HOURS: 0700 TO 2030

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime continued to place 15" SICPP Pipe from MH B6 to DS B8 and crossing 15" SICPP from DS B1, B3, and B5

Item 206.0201 - TRENCH AND CULVERT EXCAVATION (CY) - Prime excavated trench for 15" SICP pipe from DS B6 to DS B8 and crossing 15" SICPP from DS B1, B3, and B5 using a CAT 315 track excavator with a 3' bucket. Prime excavated to invert depth and placed excavated material to the side on top of existing previously excavated material for later use as subgrade material. All work complete.
Therefore, Pay item 206.0201 - TRENCH AND CULVERT EXCAVATION (CY):
15" DS B6 - DS B8 = (244.01 LF x 3.75'W x 5.0' Avg. depth) / 27 = 169.45 CY
15" DS B2 - DS B1 = (19.65 LF x 3.75'W x 4.5' Avg. depth) / 27 = 9.19 CY
15" DS B4 - DS B3 = (19.65 LF x 3.75'W x 4.5' Avg. depth) / 27 = 9.19 CY
15" DS B6 - DS B5 = (19.65 LF x 3.75'W x 5.0' Avg. depth) / 27 = 13.64 CY
TOTAL = 201.47 CY FINAL

Item 603.9815 - SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN PIPE 15 INCH DIA. (LF) - Prime placed 15" pipe 4" into DS B2 and secured pipe into the

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
206.0201				CY	201.47		DS B6toB8, DS B2toB1, B4toB3, B6toB5		
603.9815				LF	308.81		DS B6toB8, DS B2toB1, B4toB3, B6toB5		
203.07				CY	80.97		DS B6toB8, DS B2toB1, B4toB3, B6toB5		
604.300103				LF	20.88		DS #'s B8, B1, B3, B5		
206.0201				CY	50.94		DS #'s B8, B1, B3, B5		
203.07				CY	38.36		DS #'s B8, B1, B3, B5		
605.1702				LF	249.86		DS #'s B6 to B8		
605.1001				CY	18.03		DS #'s B6 to B8		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 7/22/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(Con't)

structure by placement of type S mortar and concrete paver bricks, cut to size. Structure opening was then parged using type S mortar. Pipe continued to be placed to grade per-contract in 20' lengths to DS B8. Each pipe joint was lubricated per manufactures direction and inserted to the point (home) full insertion.
All work complete.
Therefore, Pay item 603.9815 - SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN PIPE 15 INCH DIA. (LF):
15" DS B6 - DS B8 = (252.36 - (2 x (0.5x3)) +3"+3" = 249.86 LF
15" DS B2 - DS B1 = (28 - (2 x (0.5x3)) +3"+3" = 19.65 LF
15" DS B4 - DS B3 = (28 - (2 x (0.5x3)) +3"+3" = 19.65 LF
15" DS B6 - DS B5 = (28 - (2 x (0.5x3)) +3"+3" = 19.65 LF
TOTAL = 308.81 CY FINAL

Item 203.07 - SELECT GRANULAR FILL (CY) - Prime placed select fill (#1 crushed stone) over and around pipe to a depth of 1' over the top of the pipe.
All work complete
Therefore, Pay item 203.07 - SELECT GRANULAR FILL (CY):
15" DS B6 - DS B8: (3.75'W x 2.25'D x 244.01 LF -(pipe dia of 1.22 SF/1')) = 1761.14 CF / 27 CF/CY = 65.22 CY
15" DS B2 - DS B1: (3.75'W x 2.25'D x 19.65 LF - (pipe dia. 1.22 SF/1')) = 141.82 CF / 27 CF/CY = 5.25 CY
15" DS B4 - DS B3: (3.75'W x 2.25'D x 19.65 LF - (pipe dia. 1.22 SF/1')) = 141.82 CF / 27 CF/CY = 5.25 CY
15" DS B6 - DS B5: (3.75'W x 2.25'D x 19.65 LF - (pipe dia. 1.22 SF/1')) = 141.82 CF / 27 CF/CY = 5.25 CY
TOTAL = 80.97 CY FINAL

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 138USLC		1			
LABORER	2				Cat 315 Excavator		1			
EQUIP. OPERATOR	3				Dump Trucks		3			
TRUCK DRIVERS					Chop Saw (Stihl)		1			
IRONWORKERS					laser level		1			
CARPENTERS										
MASONS					Kamatsu PC 138USLC		1			
OWN./OPERATORS	1				ROCX Breaker					
Surveyor										
Apprentice										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3:	OP 4:

MURK 1 - 1
(06/08)

DAILY WORK REPORT - DESCRIPTION CONTINUATION

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: July 22, 2022

Day of Week: S M T W T F S

Sheet No. 2 of 2 DWR No. 29

	AM		PM	
Weather				
Temperature				

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Item 604.300103 - DRAINAGE STRUCTURE TYPE A (LF)- Prime set Drainage structures B8, B1, B3, B5 at proper location and elevation per contract plan. All openings were grouted with type S mortar. Top was set on a bed of mortar.

All work complete.

Item 604.300103 - DRAINAGE STRUCTURE TYPE A (LF): Payment per Approved Shop Drawing.

Drainage Structure B8 = 5.25 LF

Drainage Structure B1 = 5.21 LF

Drainage Structure B3 = 5.21 LF

Drainage Structure B5 = 5.21 LF

TOTAL = 20.88 LF FNAL

Item 206.0201 - TRENCH AND CULVERT EXCAVATION (CY) - Prime excavated for drainage structures B8,B1,B3, B5 using a CAT 315 track excavator with a 3' bucket. Prime excavated to bottom of structure depth and placed excavated material to the side on top of existing previously excavated material for later use as subgrade material.

B8: 5.1D x 8.35W x 8.35L / 27 CF/CY = 13.17 CY

B1: 4.43D x 8.35W x 8.35L / 27 CF/CY = 11.43 CY

B3: 5.10D x 8.35W x 8.35L / 27 CF/CY = 13.17 CY

B5: 5.10D x 8.35W x 8.35L / 27 CF/CY = 13.17 CY

TOTAL = 50.94 CY

Item 203.07 - SELECT GRANULAR FILL (CY) - Prime place select fill (#1 crushed stone) around Drainage Structures to a depth of existing subgrade.

All work complete

Therefore, Pay Item 203.07 - SELECT GRANULAR FILL (CY):

B8: ((5.10D x 8.35W x 8.35L) - (5.10D x 4.35W x 4.35L)) / 27 CF/CY = 9.59 CY

B1: ((5.10D x 8.35W x 8.35L) - (5.10D x 4.35W x 4.35L)) / 27 CF/CY = 9.59 CY

B3: ((5.10D x 8.35W x 8.35L) - (5.10D x 4.35W x 4.35L)) / 27 CF/CY = 9.59 CY

B5: ((5.10D x 8.35W x 8.35L) - (5.10D x 4.35W x 4.35L)) / 27 CF/CY = 9.59 CY

TOTAL = 38.36 CY

Inspector's Initials: MES

DAILY WORK REPORT - DESCRIPTION CONTINUATION

Item 605.1702 - Optional Underdrain Pipe 6" Dia. (LF) - Prime placed underdrain pipe on the west side in same trench along with 15 SICPP. No item 605.1001-Underdrain Filter was used along this run due to select fill being placed for pipe and underdrain in the same operation and within overlaping fill limits.

Prime placed 249.86 LF of underdrain pipe between DS B6 and DS B8. Each underdrain section was terminated in the drainage structure and grouted into place.

All work complete

Therefore, Pay Item 605.1702 - Optional Underdrain Pipe 6" Dia. (LF): 249.86 LF FINAL

Item 605.1001 - Underdrain Filter, Type 2 (CY) - Prime placed select granular fill over underdrain pipe as the pipe is being placed in same trench and along with the 15" SCIPP.

Prime will be paid at the higher rate of Underdrain Fliter Material and will place underdrain filter fabric on the east side underdrain at no additional cost.

No payment for Item 206.0201-Trench and Culvert will be made for placement of the underdrain pipe when placed in same trench and operation as SICPP pipes.

All work complete.

Therefore, Pay Item 605.1001 - Underdrain Filter, Type 2 (CY):

244.01 LF x 1.5 W x 1.33 D / 27 CF/CY = 18.03 CY

Inspector's Initials: MES

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: July 25, 2022

Day of Week: S [X] M T W T F S

Sheet No. 1 of 2 DWR No. 30

	AM		PM	
Weather	Cloudy		Clear	
Temperature	70	° F	75	° F

CONTRACTOR WORK HOURS: 0700 TO 2030

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime continued to place 15" SICPP Pipe from MH B8 to DS B14 and crossing 15" SICPP from DS B7, B9, B11, and B13

Item 206.0201 - TRENCH AND CULVERT EXCAVATION (CY) - Prime excavated trench for 15" SICP pipe from DS B8 to DS B14 and crossing 15" SICPP from DS B7, B9, B11, and B13 using a CAT 315 track excavator with a 3' bucket. Prime excavated to invert depth and placed excavated material to the side on top of existing previously excavated material for later use as subgrade material.
All work complete.
Therefore, Pay item 206.0201 - TRENCH AND CULVERT EXCAVATION (CY):
15" DS B8 - DS B10 = (244.01 LF x 3.75'W x 4.5' Avg. depth) / 27 = 152.51 CY
15" DS B10 - DS B12 = (191.65 LF x 3.75'W x 3.85' Avg. depth) / 27 = 102.48 CY
15" DS B12 - DS B14 = (116.65 LF x 3.75'W x 3.52' Avg. depth) / 27 = 92.38 CY
15" DS B8 - DS B7 = (19.65 LF x 3.75'W x 5.10' Avg. depth) / 27 = 13.92 CY
15" DS B10 - DS B9 = (19.65 LF x 3.75'W x 4.1' Avg. depth) / 27 = 11.18 CY
15" DS B12 - DS B11 = (19.65 LF x 3.75'W x 3.43' Avg. depth) / 27 = 9.36 CY
15" DS B14 - DS B13 = (19.65 LF x 3.75'W x 3.60' Avg. depth) / 27 = 9.83 CY
TOTAL = 391.66 CY FINAL

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
206.0201				CY	391.66		DS B8to B10, B10 to B12, B12 to B14		
							DS B8 to B7, B10 to B9, B12 to B11, B14 to B13		
603.9815				LF	648.46		DS B8to B10, B10 to B12, B12 to B14		
							DS B8 to B7, B10 to B9, B12 to B11, B14 to B13		
604.300103				LF	35.73		DS #'s B10, B12, B14, B7, B9, B11, B13		
206.0201				CY	70.67		DS #'s B10, B12, B14, B7, B9, B11, B13		
203.07				CY	67.13		DS #'s B10, B12, B14, B7, B9, B11, B13		
605.1702				LF	569.86		DS B8to B10, B10 to B12, B12 to B14		
605.1001				CY	42.11		DS B8to B10, B10 to B12, B12 to B14		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 7/26/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(Con't)

Item 603.9815 - SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN PIPE 15 INCH DIA. (LF) - Prime placed 15" pipe 4" into DS B2 and secured pipe into the structure by placement of type S mortar and concrete paver bricks, cut to size. Structure opening was then parged using type S mortar. Pipe continued to be placed to grade per-contract in 20' lengths to DS B8. Each pipe joint was lubricated per manufactures direction and inserted to the point (home) full insertion.

All work complete.

Therefore, Pay item 603.9815 - SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN PIPE 15 INCH DIA. (LF):

15" DS B8 - DS B10 = (252.36 - (2 x (0.5x3)) +3"+3" = 249.86 LF

15" DS B10 - DS B12 = (200.00 - (2 x (0.5x3)) +3"+3" = 197.50 LF

15" DS B12 - DS B14 = (125.00 - (2 x (0.5x3)) +3"+3" = 122.50 LF

15" DS B8 - DS B7 = (28 - (2 x (0.5x3)) +3"+3" = 19.65 LF

15" DS B10 - DS B9 = (28 - (2 x (0.5x3)) +3"+3" = 19.65 LF

15" DS B12 - DS B11 = (28 - (2 x (0.5x3)) +3"+3" = 19.65 LF

15" DS B14 - DS B13 = (28 - (2 x (0.5x3)) +3"+3" = 19.65 LF

TOTAL = 648.46 LF FINAL

Item 203.07 - SELECT GRANULAR FILL (CY) - Prime placed select fill (#1 crushed stone) over and around pipe to a depth of 1' over the top of the pipe.

All work complete

Therefore, Pay item 203.07 - SELECT GRANULAR FILL (CY):

15" DS B8 - DS B10: (3.75'W x 2.25'D x 244.01 LF -(pipe dia of 1.22 SF/1')) = 1761.14 CF / 27 CF/CY = 65.22 CY

15" DS B10 - DS B12: (3.75'W x 2.25'D x 191.65 LF - (pipe dia. 1.22 SF/1')) = 1383.23 CF / 27 CF/CY = 51.23 CY

15" DS B12 - DS B14: (3.75'W x 2.25'D x 116.65 LF - (pipe dia. 1.22 SF/1')) = 841.92 CF / 27 CF/CY = 31.18 CY

15" DS B8 - DS B7: (3.75'W x 2.25'D x 19.65 LF - (pipe dia. 1.22 SF/1')) = 141.82 CF / 27 CF/CY = 5.25 CY

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 138USLC		1			
LABORER	2				Cat 315 Excavator		1			
EQUIP. OPERATOR	3				Dump Trucks		3			
TRUCK DRIVERS					Chop Saw (Stihl)		1			
IRONWORKERS					laser level		1			
CARPENTERS										
MASONS					Kamatsu PC 138USLC		1			
OWN./OPERATORS	1				ROCX Breaker					
Surveyor										
Apprentice										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3:	OP 4:

MURK 1-2
(06/08)

DAILY WORK REPORT - CONTRACT PAY ITEM CONTINUATION

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: July 25, 2022

Day of Week: S M T W T F S

Sheet No. 3 of 3 DWR No. 30

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
203.07				CY	168.63		DS B8toB10, B10toB12, B12toB14, B8toB7, B10		
							toB9, B12toB11, B14toB13		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 7/25/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

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MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: July 26, 2022

Day of Week: S | M | X | W | T | F | S

Sheet No. 1 of 1 DWR No. 31

	AM		PM	
Weather	Clear		Clear	
Temperature	66	° F	80	° F

CONTRACTOR WORK HOURS: 0700 TO 2030

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime began placing sub-grade material to grade.

Prime placed sub-grade material from previously excavated material from the job site. This materil is considered to be contaminated and is allowed to be used below the 1' finished grade. Material was loosely placed to grade and compacted using a Ingersoll-Rand SD-100F Sheeps foot roller. Prime then final graded sub-grade and compacted using a Ingersoll-Rand 115 Profile steel drum roller. Sub-grade will be check for compaction after chariot style compaction roller is used. Work incomplete. See future report for embankment payment.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 7/26/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 138USLC		1			
LABORER	3				Cat 315 Excavator		1			
EQUIP. OPERATOR	1				Dump Trucks		2			
TRUCK DRIVERS					Chop Saw (Stihl)		1			
IRONWORKERS					laser level		1			
CARPENTERS					Ingersoll-Rand SD-100F		1			
MASONS					Kamatsu PC 138USLC					
OWN./OPERATORS	1				ROCX Breaker					
Surveyor					Ingersoll-Rand 115 Profile		1			
Apprentice										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3:	OP 4:

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: July 27, 2022

Day of Week: S M T **X** T F S

Sheet No. 1 of 1 DWR No. 32

	AM		PM	
Weather	Rain		Clear	
Temperature	63	° F	81	° F

CONTRACTOR WORK HOURS: 0700 TO 2030

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime continued to place sub-grade material to grade.

Prime placed sub-grade material from previously excavated material from the job site. This materil is considered to be contaminated and is allowed to be used below the 1' finished grade. Material was loosely placed to grade and compacted using a Ingersoll-Rand SD-100F Sheeps foot roller. Prime then final graded sub-grade and compacted using a Ingersoll-Rand 115 Profile steel drum roller. Sub-grade will be check for compaction after chariot style compaction roller is used. Work incomplete. See future report for embankment payment.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 7/27/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 138USLC		1			
LABORER	3				Cat 315 Excavator		1			
EQUIP. OPERATOR	1				Dump Trucks		2			
TRUCK DRIVERS					Chop Saw (Stihl)		1			
IRONWORKERS					laser level		1			
CARPENTERS					Ingersoll-Rand SD-100F		1			
MASONS					Kamatsu PC 138USLC					
OWN./OPERATORS	1				ROCX Breaker					
Surveyor					Ingersoll-Rand 115 Profile		1			
Apprentice										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3:	OP 4:

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: July 28, 2022

Day of Week: S M T W [X] F S

Sheet No. 1 of 1 DWR No. 33

	AM		PM	
Weather	Rain		Cloudy	
Temperature	73	° F	79	° F

CONTRACTOR WORK HOURS: 0700 TO 2030

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime continued to place sub-grade material to grade.

Prime placed sub-grade material from previously excavated material from the job site. This materil is considered to be contaminated and is allowed to be used below the 1' finished grade. Material was loosely placed to grade and compacted using a Ingersoll-Rand SD-100F Sheeps foot roller. Prime then final graded sub-grade and compacted using a Ingersoll-Rand 115 Profile steel drum roller. Sub-grade will be check for compaction after chariot style compaction roller is used. Work incomplete. See future report for embankment payment.

Prime used chariot style compaction testing equipment to check for compaction and underlaying structures over looked. Chariot was pulled throughout the project limits, covering full section width and no soft spots of structures were noted.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 7/28/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 138USLC		1			
LABORER	3				Cat 315 Excavator		1			
EQUIP. OPERATOR	1				Dump Trucks		2			
TRUCK DRIVERS					Chop Saw (Stihl)		1			
IRONWORKERS					laser level		1			
CARPENTERS					Ingersoll-Rand SD-100F		1			
MASONS					Kamatsu PC 138USLC					
OWN./OPERATORS	1				ROCX Breaker					
Surveyor					Ingersoll-Rand 115 Profile		1			
Apprentice										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3:	OP 4:

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: July 29, 2022

Day of Week: S | M | T | W | T | F | S

Sheet No. 1 of 1 DWR No. 34

	AM		PM	
Weather	Clear		Clear	
Temperature	64	° F	77	° F

CONTRACTOR WORK HOURS: 0700 TO 2030

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime excavated for utility trench.

Item 203.02 - UNCLASSIFIED EXCAVATION (CY) - Prime excavated for 5' x 10' utility trench along the west side of the roadway using a Cat 315 Excavator. Structural concrete was previously removed and some material was removed to built roadway subbase.
See future report for payment.

Item 209.22 - CONSTRUCTION ENTRANCE (SY) - Prime previously placed crushed concrete at new roadway entrance off Dona St. Material was placed between the curb and sidewalk and for 40' x 12' passed the back of he sidewalk.
All work complete.
Therefore, Pay Item 209.22 - CONSTRUCTION ENTRANCE (SY): 75% of bid quantity for work complete. Remaining 25% to be paid when no longer needed and removed.
70.0 SY x 0.75 = 52.5 SY Final

Item E555.0105 - PLUGGING ABANDON PIPES (EA) - Prime plugged two ends of an abandoned 10" pipe the was removed during excavation of the utility trench. The pipe extended beyond the limits of work and therefore could not be reomved in its entirity.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
209.22				SY	52.50		At Dona St.		
E555.0105				EA	2.00		B10+53 LT & RT		
604.070501				EA	1.00		MH D1		
619.01				LS	0.20		Inital and 10% progress		
625.01				LS	0.40		Pre const. survey, DS Layout, Alignment		
637.11				MO	2.00		6/1/22 to 7/30/22		
699.040001				LS	1.00		Mobilization		
201.06				LS	0.75		pay 75%, Hold 25% for final removal of Misc Debris		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 7/29/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

Prime used concrete pavers and type mortar to plug pipes.
All work complete.
Therefore, Pay Item E555.0105 - PLUGGING ABANDON PIPES (EA): 2.0EA

Item 604.070501 - ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES (EA) - Prime cut hole in MH D1 to except the new 18" SICPP as notted in Report 16 (7/5/22).
All work complete.
Therefore, Pay Item 604.070501 - ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES (EA): 1.0 EA

Item 619.01 - Basic Work Zone Traffic Control (LS) - Prime placed signs and traffic delineation along Dona St. when necessary to provide a safe work zone when placing 18" SICPP and Manholes.
Work is incomplete. initial and progress payment to be made at this time.
Therefore, Pay Item 619.01 - Basic Work Zone Traffic Control (LS):
+10% initial payment
+10% progress payment
Pay 20% FINAL

Item 625.01 - Survey Operations (LS) - Subcontractor GPI completed layout of Alignment, Drainage structure placements and pre construction survey.
Therefore, Pay Item 625.01 - Survey Operations (LS): 40%

Item 637.11 - Engineers Field Office (MO) - Prime provide field office 6/1/22 to 7/30/22
Therefore, Pay Item 637.11 - Engineers Field Office (MO) 2.0 months

Item 699.040001 - Mobilization (LS) prime mobilized equipment to site on 6/13/22.
Therefore, Pay Item 699.040001 - Mobilization (LS): 100%

Item 201.06 - CLEARING AND GRUBBING (LS) - Prime cleared debris, and unsuitable soils from site and disposed at the pre-approved site
Therefore, Pay Item 201.06 - CLEARING AND GRUBBING (LS): 75% FINAL

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 138USLC		1			
LABORER	3				Cat 315 Excavator		1			
EQUIP. OPERATOR	1				Dump Trucks		2			
TRUCK DRIVERS					Chop Saw (Stihl)		1			
IRONWORKERS					laser level		1			
CARPENTERS					Ingersoll-Rand SD-100F		1			
MASONS					Kamatsu PC 138USLC					
OWN./OPERATORS	1				ROCX Breaker					
Surveyor					Ingersoll-Rand 115 Profile		1			
Apprentice										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3:	OP 4:

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: August 01, 2022

Day of Week: S [X] M T W T F S

Sheet No. 1 of 1 DWR No. 35

	AM		PM	
Weather	Clear		Cloudy	
Temperature	66	° F	82	° F

CONTRACTOR WORK HOURS: 700 TO 2000

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Item 203.02 - UNCLASSIFIED EXCAVATION (CY) - Prime completed excavation of utility trench along the west side of the roadway with a CAT 315 excavator. Material removed was used as fill in subgrade areas or disposed of in the pre-approved site.
Work incomplete.

Prime performed site clean up by removing un-needed equipment, supplies and debris.

Contractor is still awaiting the approval of the embankment material form the DEC.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 8/1/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

MURK 1 REVERSE
(06/08)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 138USLC		1			
LABORER	1				Cat 315 Excavator		1			
EQUIP. OPERATOR					Dump Trucks		2			
TRUCK DRIVERS										
IRONWORKERS										
CARPENTERS										
MASONS										
OWN./OPERATORS										
Surveyor		1								

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3:	OP 4:

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: August 02, 2022

Day of Week: S | M | X | W | T | F | S

Sheet No. 1 of 1 DWR No. 36

	AM		PM	
Weather	Cloudy		Cloudy	
Temperature	66	° F	69	° F

CONTRACTOR WORK HOURS: 700 TO 2000

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Item 203.02 - UNCLASSIFIED EXCAVATION (CY) - Prime graded and compacted the south end of the roadway bed from Sta. B0+15 to B0+100.

Item 206.0201 - TRENCH AND CULVERT EXCAVATION (CY) - Prime excavated for 6" Underdrain on the east side of the roadway between Sta. B0+15 to B15+00. Material removed was placed on the back side of the curb for later grading as subgrade material to be capped.
CL to CL Length - (1/2 exterior width + 2') x Width x Depth from subgrade =
0+15 to DS B1 = ((152.00 LF (FM) - (4.17)) x 1.5W x 1.33D) /27 CY/CF = 10.92 CY
DS B1 to DS B3 = ((181.30 LF - (8.33)) x 1.5W x 1.33D) /27 CY/CF = 12.78 CY
DS B3 to DS B5 = ((221.28 LF - (8.33)) x 1.5W x 1.33D) /27 CY/CF = 15.73 CY
DS B5 to DS B7 = ((252.36 LF - (8.33)) x 1.5W x 1.33D) /27 CY/CF = 18.03 CY
DS B7 to DS B9 = ((252.36 LF - (8.33)) x 1.5W x 1.33D) /27 CY/CF = 18.03 CY
DS B9 to DS B11 = ((200.00 LF - (8.33)) x 1.5W x 1.33D) /27 CY/CF = 14.16 CY
DS B11 to DS B13 = ((125.00 LF - (8.33)) x 1.5W x 1.33D) /27 CY/CF = 8.62 CY
TOTAL = 98.27 CY

All Work Complete.
Therefore, Pay Item 206.0201 - TRENCH AND CULVERT EXCAVATION (CY): 98.27 CY FINAL

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
206.0201				CY	98.27		Underdrain Excv. B0+15 RT to DS 13		
605.1702				LF	1,364.80		Underdrain Excv. B0+15 RT to DS 13		
605.1001				CY	98.27		Underdrain Excv. B0+15 RT to DS 13		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 8/2/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

Item 605.1702 - OPTIONAL UNDERDRAIN PIPE 6" DIA. (LF) - Prime placed to grade underdrain pipe from Sta. B0+15 to DS B13

CL to CL Length - (1/2 interior) =

0+15 to DS B1 = (152.00 LF (FM) - (1.5) = 150.50 LF

DS B1 to DS B3 = (181.30 LF - (3.0) = 178.30 LF

DS B3 to DS B5 = (221.28 LF - (3.0) = 218.28 LF

DS B5 to DS B7 = (252.36 LF - (3.0) = 249.36 LF

DS B7 to DS B9 = (252.36 LF - (3.0) = 249.36 LF

DS B9 to DS B11 = (200.00 LF - (3.0) = 197.00 LF

DS B11 to DS B13 = (125.00 LF - (3.0) = 122.00 LF

TOTAL = 1364.80 LF

All Work Complete

Therefore, Pay Item 605.1702 - OPTIONAL UNDERDRAIN PIPE 6" DIA. (LF):1364.80 LF FINAL

Item 605.1001 - Underdrain Filter Type 2 (CY) - Prime placed undreain filter stone under and around 6" underdrain pipe per contract plans. A filter fabric was added AOBE for the east side of the roadway only. Payment for the fabric will be included in the Item 605.1001.

CL to CL Length - (1/2 exterior width + 2') x Width x Depth from subgrade =

0+15 to DS B1 = ((152.00 LF (FM) - (4.17)) x 1.5W x 1.33D) /27 CY/CF = 10.92 CY

DS B1 to DS B3 = ((181.30 LF - (8.33)) x 1.5W x 1.33D) /27 CY/CF = 12.78 CY

DS B3 to DS B5 = ((221.28 LF - (8.33)) x 1.5W x 1.33D) /27 CY/CF = 15.73 CY

DS B5 to DS B7 = ((252.36 LF - (8.33)) x 1.5W x 1.33D) /27 CY/CF = 18.03 CY

DS B7 to DS B9 = ((252.36 LF - (8.33)) x 1.5W x 1.33D) /27 CY/CF = 18.03 CY

DS B9 to DS B11 = ((200.00 LF - (8.33)) x 1.5W x 1.33D) /27 CY/CF = 14.16 CY

DS B11 to DS B13 = ((125.00 LF - (8.33)) x 1.5W x 1.33D) /27 CY/CF = 8.62 CY

TOTAL = 98.27 CY

All Work Complete.

Therefore, Pay Item 605.1001 - Underdrain Filter Type 2 (CY): 98.27 CY FINAL

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 138USLC		1			
LABORER	1				Cat 315 Excavator		1			
EQUIP. OPERATOR	1				Dump Trucks		2			
TRUCK DRIVERS										
IRONWORKERS										
CARPENTERS										
MASONS										
OWN./OPERATORS										
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3:	OP 4:

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: August 03, 2022

Day of Week: S | M | T | W | T | F | S

Sheet No. 1 of 2 DWR No. 37

	AM		PM	
Weather	Cloudy		Cloudy	
Temperature	66	° F	69	° F

CONTRACTOR WORK HOURS: 700 TO 2000

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Item 206.0201 - TRENCH AND CULVERT EXCAVATION (CY) - Prime excavated for 6" Underdrain on the east side of the roadway between Sta. B0+15 to B15+00. and from last drainage structures to end of roadway. Material removed was placed on the back side of the curb for later grading as subgrade material to be capped.

Sta. B0+15 LT to B0+64 LT (27.00 LF (FM) x 1.5W x 1.33D) /27 CY/CF = 2.00 CY
DS B13 to Sta. B15+00 RT ((100.00 LF (FM) - (4.17)) x 1.5W x 1.33D) /27 CY/CF = 7.08 CY
DS B14 to Sta. B15+00 LT ((100.00 LF (FM) - (4.17)) x 1.5W x 1.33D) /27 CY/CF = 7.08 CY
All work complete.
Therefore, Pay Item 206.0201 - TRENCH AND CULVERT EXCAVATION (CY): 16.16 CY

Item 605.1702 - OPTIONAL UNDERDRAIN PIPE 6" DIA. (LF) - Prime placed to grade underdrain pipe from
Sta. B0+15 LT to B0+64 LT = 27.00 LF (FM)
DS B13 to Sta. B15+00 RT (100.00 LF (FM) - (4.17) = 95.83 LF
DS B14 to Sta. B15+00 LT ((100.00 LF (FM) - (4.17) = 95.83 LF

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
206.0201			16.16	CY			Underdrain Ends LT and RT		
605.1702			218.66	LF			Underdrain Ends LT and RT		
605.1001			16.16	CY			Underdrain Ends LT and RT		
670.3001			1.00	EA			Sta. D9+28.5, 16' LT		
670.2003			142.60	LF			Sta. D9+28.5, 16' LT to Sta. D10+61, 16' LT		
670.7004			928.80	LF			Sta. D9+28.5, 16' LT to Sta. D10+61, 16' LT		
670.82			1.00	EA			LP #3 Sta. D9+28.5, 16' LT		
670.90			1.00	EA			LP #3 Sta. D9+28.5, 16' LT		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 8/3/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)
All work Complete.
Therefore, Pay Item 605.1702 - OPTIONAL UNDERDRAIN PIPE 6" DIA. (LF): 218.66 LF

Item 605.1001 - Underdrain Filter Type 2 (CY) - Prime placed undreain filter stone under and around 6" underdrain pipe per contract plans. A filter fabric was added AOBE for the east side of the roadway only. Payment for the fabric will be included in the Item 605.1001.
All work complete.
Therefore Pay Item 605.1001 - Underdrain Filter Type 2 (CY)

Sta. B0+15 LT to B0+64 LT (27.00 LF (FM) x 1.5W x 1.33D) /27 CY/CF = 2.00 CY
DS B13 to Sta. B15+00 RT ((100.00 LF (FM) - (4.17)) x 1.5W x 1.33D) /27 CY/CF = 7.08 CY
DS B14 to Sta. B15+00 LT ((100.00 LF (FM) - (4.17)) x 1.5W x 1.33D) /27 CY/CF = 7.08 CY
All work complete.
Therefore, Pay Item 605.1001 - Underdrain Filter Type 2 (CY): 16.16 CY

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1		1		Kamatsu PC 138USLC		1			
LABORER	1		4		Cat 315 Excavator		1			
EQUIP. OPERATOR	1				Dump Trucks		2			
TRUCK DRIVERS										
IRONWORKERS										
CARPENTERS										
MASONS										
OWN./OPERATORS										
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4:

MURK 1 - 1
(06/08)

DAILY WORK REPORT - DESCRIPTION CONTINUATION

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: August 03, 2022

Day of Week: S | M | T | W | T | F | S

Sheet No. 2 of 2 DWR No. 37

	AM		PM	
Weather	Clear		Clear	
Temperature	66	° F	88	° F

CONTRACTOR WORK HOURS: 0700 TO 2100

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

SubContractor Spoth Enterprises Inc.

First Day on Project.

Subcontractor removed previously exposed electrical conduit and enclosed wire between for relocationg light pole LP3. Subcontractor then placed pull box at Sta. D9+28.5, 16' LT Then removed existing light pole foundation and relocated to Sta. D10+61, 16' LT Subcontractor then pulled new wire between LP 3 and LP 4 and spliced into existing wires, then re-energized circuit.

Item 670.3001 - PULLBOXS LESS THAN 5 CUBIC FEET, INSIDE VOLUME (LIGHTING)(EA) - Subcontractor set new pull box at Sta. D9+28.5, 16' LT for transitioning from steel conduit to existing Rigid Plastic Conduit. Pull box was set to grade. No back fill was placed at this time due to new curb being placed. Cast iron pull box cover was set to existing sidewalk grade.
All work complete.
Therefore, Pay Item 670.3001 - PULLBOXS LESS THAN 5 CUBIC FEET, INSIDE VOLUME (LIGHTING)(EA): 1.0 EA FINAL (Added work)

Item 670.2003 - .GALVANIZED STEEL CONDUIT (LF) - Subcontractor placed steel conduit between new pull box at Sta. D9+28.5, 16' LT, to relocated light pole foundation (LP 3) at Sta. D10+61, 16' LT Conduit was threaded together and placed in 6" deeper trench, than back filled using clean excavated material. 1 sweep was added at the light pole foundation to bring conduit to top of foundation.
All Work Complete.
Therefore, Pay Item 670.2003 - GALVANIZED STEEL CONDUIT (LF): 142.60 LF (FM) FINAL

Item 670.7004 - SINGLE CONDUCTOR CABLE - 6 GAGE (LF) - Prime pulled 4 single 6 gage wires between LP 3 and LP 4. Wires were then spliced into the existing wires and luminaire wires. Once completed, circuit was re-energized and all luminaires were lit and are functioning properly.
All work complete.

Inspector's Initials: MES

DAILY WORK REPORT - DESCRIPTION CONTINUATION

(Cont.)

Therefore, Pay Item 670.7006 - SINGLE CONDUCTOR CABLE - 6 GAGE (LF):

4 conductors x (219.20 LF + 5 LF in PB + 2(4 LF per pole) = 928.80 LF FINAL

Item 670.82 - REMOVE LAMPPOST FOUNDATION (EA) - Subcontractor Removed foundation for LP 3 by digging around the foundation removing conduits, than lifting from the ground using original lifting hooks. The existing foundation appeared to have no physical defects and was removed without damage. Subcontractor than reset existing foundation at Sta. D10+61, 16' LT . #1 stone was then placed and tamped around foundation. The existing ground rod was than placed next to the relocated foundation and the ground wire was inseted through the foundation opening.

All Work Complete.

Therefore, Pay Item 670.82 - REMOVE LAMPPOST FOUNDATION (EA): 1 EA FINAL

Item 670.90 - RELOCATE LAMPPOST ASSEMBLY (EA) - Subcontractor removed the existing lamp post from the existing foundation and placed to side. Once foundation was reset in new location. Subcontractor reset existing assembly on new foundation a torqued anchor bolts to required spec., reset bolt caps and hand hole plate.

All Work Complete.

Therefore, Pay Item 670.90 - RELOCATE LAMPPOST ASSEMBLY (EA): 1.0 EA FINAL

Inspector's Initials: MES

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: August 04, 2022

Day of Week: S | M | T | W | X | F | S

Sheet No. 1 of 2 DWR No. 38

	AM		PM	
Weather	Clear		Cloudy	
Temperature	75	° F	81	° F

CONTRACTOR WORK HOURS: 700 TO 2000

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Item 203.03 - EMBANKMENT IN PLACE (CY) Prime completed placement of subgrade to final grade and compacted using a Ingersoll-Rand SD-100F sheeps foot roller and a Ingersoll-Rand Earth finish roller.
Compaction has been checked by on . All grades were checked by this inspector and contractor to be within 1/4" of final grade. Sub-grade has been approved to place subbase material.

Item 304.12 - SUBBASE COURSE (TYPE 2) (CY) - Prime placed subbase material at edge of Dona St. to create ramp for delivery of subbsae material tomorrow.
See future report for payment.

Item E 207.99 - SUBBASE REINFORCEMENT MATERIAL, LAYER 2 (SY) - Prime placed subbase reinforcement material, Layer 2 (Tenex 3D Grid HT) on subgrade material and pinned in place. Each consecutive placement was overlapped by 6". Materialwas placed between Sta. 0+15 LT RT to 1+00 LT RT.
Work Complete.
See future Report for payment.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 8/4/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

MURK 1 REVERSE
(06/08)

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 138USLC		1			
LABORER	2				Cat 315 Excavator		1			
EQUIP. OPERATOR	1				Dump Trucks		2			
TRUCK DRIVERS					CAT D5G LGP Dozer		1			
IRONWORKERS										
CARPENTERS										
MASONS										
OWN./OPERATORS										
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4:

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: August 05, 2022

Day of Week: S | M | T | W | T | F | S

Sheet No. 1 of 1 DWR No. 39

	AM		PM	
Weather	Clear		Cloudy	
Temperature	73	° F	84	° F

CONTRACTOR WORK HOURS: 700 TO 2000

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Item 304.12 - SUBBASE COURSE (TYPE 2) (CY) - Prime placed subbase material from previously placed ramp to Sta. 15+00 LT and RT. Subbase was transported by Iriquious trucking from General Stone Wherle Dr. Loads were dumped on previously placed material and graded to a rough grade using a CAT D5G LGP Dozer. Later in day material was compacted using a Ingersoll-Rand Earth steel drum roller. Final grading and compaction will take place at a later date.
Work not Completed.
See future report for payment.

Item E 207.99 - SUBBASE REINFORCEMENT MATERIAL, LAYER 2 (SY) - Prime placed subbase reinforcement material, Layer 2 (Tenex 3D Grid HT) on subgrade material and pinned in place. Each consecutive placement was overlapped by 6". Materialwas placed between Sta. 1+00 LT RT to 15+00 LT RT.
Work Complete.
See future Report for payment.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 8/5/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

MURK 1 REVERSE
(06/08)

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 138USLC		1			
LABORER	2				Cat 315 Excavator		1			
EQUIP. OPERATOR	1				Dump Trucks		2			
TRUCK DRIVERS					CAT D5G LGP Dozer		1			
IRONWORKERS					Ingersoll-Rand Earth Roller		1			
CARPENTERS										
MASONS										
OWN./OPERATORS										
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4:

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: August 08, 2022

Day of Week: S [X] M T W T F S

Sheet No. 1 of 1 DWR No. 40

	AM		PM	
Weather	Clear		Cloudy	
Temperature	77	° F	84	° F

CONTRACTOR WORK HOURS: 700 TO 2000

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Item 304.12 - SUBBASE COURSE (TYPE 2) (CY) - Prime placed subbase material to fine grade previously placed material using a CAT D5G LGP Dozer. Later in day material was compacted using a Ingersoll-Rand Earth steel drum roller. Final grading and compaction will take place at a later date.
Work not Completed.
See future report for payment.

Item E 207.99 - SUBBASE REINFORCEMENT MATERIAL, LAYER 2 (SY) - Prime placed subbase reinforcement material, Layer 2 (Tenex 3D Grid HT) on 8/5/22 on subgrade material and pinned in place. Each consecutive placement was overlapped by 6". Materialwas placed between Sta. 1+00 LT RT to 15+00 LT RT.
All work complete.
Therefore, Pay Item E 207.99 - SUBBASE REINFORCEMENT MATERIAL, LAYER 2 (SY):
(28' x 1500') / 9SF/SY = 4,667 SY FINAL

Item 619.04 - CONSTRUCTION BARRICADES (LF) - Prime placed construction barricades at the Dona St. entrance to Road B. Prime placed 12 barricades, two w/ ROAD CLOSED" signing.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
E 207.99				SY	4,667.00		All Roadway Surface		
619.04				LF	24.00		At Dona St. Hold 50% for removal		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 8/8/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

MURK 1 REVERSE
(06/08)

(cont)

All work Complete.

Therefore, Pay Item 619.04 - CONSTRUCTION BARRICADES (LF): 50%for installation or 4' x 12 Units = 48' x 50% = 24 LF FINAL

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 138USLC		1			
LABORER	2				Cat 315 Excavator		1			
EQUIP. OPERATOR	1				Dump Trucks		2			
TRUCK DRIVERS					CAT D5G LGP Dozer		1			
IRONWORKERS					Ingersoll-Rand Earth Roller		1			
CARPENTERS										
MASONS										
OWN./OPERATORS										
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4:

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: August 09, 2022

Day of Week: S | M | X | W | T | F | S

Sheet No. 1 of 1 DWR No. 41

	AM		PM	
Weather	Cloudy		Clear	
Temperature	65	° F	82	° F

CONTRACTOR WORK HOURS: 700 TO 2000

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Item 304.12 - SUBBASE COURSE (TYPE 2) (CY) - Prime compacted roadway subbase along the edges and subgrade material on back side of proposed curb using a vibratory compactor attachment to a Cat 315 Excavator.
Work not Completed.
See future report for payment.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 8/9/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

MURK 1 REVERSE
(06/08)

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 138USLC					
LABORER	2				Cat 315 Excavator		1			
EQUIP. OPERATOR	1				Dump Trucks		1			
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS										
MASONS										
OWN./OPERATORS										
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4:

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: August 10, 2022

Day of Week: S | M | T | W | T | F | S

Sheet No. 1 of 1 DWR No. 42

	AM		PM	
Weather	Clear		Clear	
Temperature	63	° F	81	° F

CONTRACTOR WORK HOURS: 700 TO 2000

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Item 304.12 - SUBBASE COURSE (TYPE 2) (CY) - Prime compacted roadway subbase along the edges and subgrade material on back side of proposed curb using a vibratory compactor attachment to a Cat 315 Excavator.
Work not Completed.
See future report for payment.

Traveled to 3665 Billo Road in Alden to view embankment material that the contractor wants tested for use in Road B.

Received approval for import of type 2 Subbsae material from DEC.

Designed elevations for radius of curbs at Dona St.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 8/10/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

MURK 1 REVERSE
(06/08)

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 138USLC					
LABORER	2				Cat 315 Excavator		1			
EQUIP. OPERATOR	1				Dump Trucks		1			
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS										
MASONS										
OWN./OPERATORS										
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4:

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: August 11, 2022

Day of Week: S M T W [X] F S

Sheet No. 1 of 1 DWR No. 43

	AM		PM	
Weather	Clear		Clear	
Temperature	63	° F	81	° F

CONTRACTOR WORK HOURS: 700 TO 2000

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Item 304.12 - SUBBASE COURSE (TYPE 2) (CY) - Prime set grades for curb placement on the west side of Road B using #1 crushed stone where necessary.
Work not Completed.
See future report for payment.

Traveled to 3665 Billo Road in Alden to obtain a gradation sample of embankment material with Matt, from Barron & Associates.

Sent curb radius elevations to Mark Andrews of GPI to include in the survey for curb layout.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 8/11/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

MURK 1 REVERSE
(06/08)

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 138USLC					
LABORER	2				Cat 315 Excavator		1			
EQUIP. OPERATOR	1				Dump Trucks		1			
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS										
MASONS										
OWN./OPERATORS										
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4:

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: August 12, 2022

Day of Week: S M T W T F S

Sheet No. 1 of 1 DWR No. 44

	AM		PM	
Weather	Clear		Clear	
Temperature	57	° F	77	° F

CONTRACTOR WORK HOURS: 700 TO 2000

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Item 304.12 - SUBBASE COURSE (TYPE 2) (CY) - Prime set grades for curb placement on the west side of Road B using #1 crushed stone where necessary.
Work not Completed.
See future report for payment.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 8/12/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

MURK 1 REVERSE
(06/08)

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 138USLC					
LABORER	2				Cat 315 Excavator		1			
EQUIP. OPERATOR	1				Dump Trucks		1			
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS										
MASONS										
OWN./OPERATORS										
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4:

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: August 13, 2022

Day of Week: S M T W T F [X]

Sheet No. 1 of 1 DWR No. 45

	AM		PM	
Weather	Clear		Clear	
Temperature	54	° F	79	° F

CONTRACTOR WORK HOURS: 700 TO 2000

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime relocated fire hydrant to new location behind the curb and proposed sidewalk.
ECWA was on site to turn of water supply, observe work and flush system when complete.
Based on As-Built drawings, the ECWA determined that the 90 degree joint 5' above the tap would be removed and two 45 degree joints would be placed on the existing vertical 6" pipe, to achieve a horizontal to the relocated hydrant.
See as-builts for location schematics of new hydrant piping.

Item 206.0201 - TRENCH AND CULVET EXCAVATION (CY) - Prime excavated 5' down to reach the 90 degree joint off the vertical riser pipe and to the new fire hydrant location.
All work Complete,
Therefore, Pay Item 206.0201 - TRENCH AND CULVET EXCAVATION (CY):
(5'D x 4'W x 16' L) / 27 cy/cf = 11.85 CY FINAL

Item 203.07 - SELECT GRANULAR FILL (CY) - Prime back filled excavation to grade in roadway and sidewalk area.
All work complete,
Therefore, Pay Item 203.07 - SELECT GRANULAR FILL (CY):
(5'D x 4'W x 16' L) / 27 cy/cf = 11.85 CY FINAL

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
206.0201				CY	11.85		Fire Hydrant Relocation		
203.07				CY	11.85		Fire Hydrant Relocation		
663.2306				LF	20.00		Fire Hydrant Relocation		
663.31				EA	1.00		Fire Hydrant Relocation		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 8/13/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)
Item 663.2306 - POLYETHYLENE ENCASEENT FOR WATER PIPE 6" (LF) - Prime wrapped new and existing water line with 6" polyethylene encasement and taped all joints in encasement.
All work Complete.
Therefore, Pay Item 663.2306 - POLYETHYLENE ENCASEENT FOR WATER PIPE 6" (LF): 20 LF. FM FINAL

Item 663.31 - RELOCATE EXISTING FIRE HYDRANT (EA) - Prime relocated existing fire hydrant and valve at Sta. D9+58 to Sta. B0+75, 40' LT.
To achieve the work. Prime placed a 45 degree joint on top of the existing vertical pipe. used the existing 12"L x 6" pipe from the existing 90 degree joint to the haydrant valve. Then placed a new
new 45 degree joint to achieve horizontal. Prime then placed 10'4" length of 6" cast iron water line to existing hydrant valve.
All joints received new rubber seals and were swabbed with chlorine before assembly.
All Work Complete.
Therefore, Pay Item 663.31 - RELOCATE EXISTING FIRE HYDRANT (EA): 1.0 EA FINAL

Note: Item 663.31 included a cap to be placed on the existing 6" service line off the 16" main. This was not necessary.
Excavation for work was 5' from existing surface.

Last Day of air monitoring.

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 138USLC					
LABORER	2				Cat 315 Excavator		1			
EQUIP. OPERATOR	1				Dump Trucks		1			
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS										
MASONS										
OWN./OPERATORS										
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4:

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: August 15, 2022

Day of Week: S [X] M T W T F S

Sheet No. 1 of 1 DWR No. 46

	AM		PM	
Weather	Clear		Clear	
Temperature	64	° F	81	° F

CONTRACTOR WORK HOURS: 700 TO 2000

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

No work on project performed.

Traveled to County Line Stone to retrieve material samples for analytical analysis. Jon William gathered samples. Samples delivered to Alpha Analytical Labs.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 8/15/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

MURK 1 REVERSE
(06/08)

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 138USLC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS										
MASONS										
OWN./OPERATORS										
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4:

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: August 16, 2022

Day of Week: S M [X] W T F S

Sheet No. 1 of 1 DWR No. 47

	AM		PM	
Weather	Clear		Rain	
Temperature	64	° F	73	° F

CONTRACTOR WORK HOURS: 700 TO 2000

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

No work on project performed.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 8/16/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

MURK 1 REVERSE
(06/08)

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 138USLC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS										
MASONS										
OWN./OPERATORS										
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4:

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: August 17, 2022

Day of Week: S | M | T | W | T | F | S

Sheet No. 1 of 1 DWR No. 48

	AM		PM	
Weather	Cloudy		Cloudy	
Temperature	59	° F	79	° F

CONTRACTOR WORK HOURS: 700 TO 2000

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

No work on project performed.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 8/17/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

MURK 1 REVERSE
(06/08)

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 138USLC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS										
MASONS										
OWN./OPERATORS										
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4:

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: August 18, 2022

Day of Week: S | M | T | W | X | F | S

Sheet No. 1 of 1 DWR No. 49

	AM		PM	
Weather	Cloudy		Clear	
Temperature	57	° F	81	° F

CONTRACTOR WORK HOURS: 700 TO 2000

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Subcontractor Balducci Concrete Construction First Day on Project.

Subcontractor set cord for concrete curb machine on the west then east side of the roadway. Cord was set to grade and offset from hubs set by GPI. Subcontractor then proceed to placed new cast-in-place concrete curb from TRS driveway to Sta. B12+20 LT. Barron Associates was on site to perform concrete testing.

Item 609.04 - CAST-IN-PLACE CONCRETE CURB (LF) - Subcontractor began placement at TRS Packaging driveway and proceed to Sta. B12+20 LT using a 2016 Power Curb (5700C) curb machine. Elevations, grades and alignment were checked at various point along the curb. Control joints were placed at 10 intervals and expansion joints at drainage structures. Curb was then trowed and broomed. A approved ChemMasters polyseal WB 15% was then applied.
All work complete.
See future report for payment.

Note:
1/4" x 4" x 3.5' Steel plates were added as need at drainage structure openings where the curb would be placed and it would extend over the opening.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 8/18/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

MURK 1 REVERSE
(06/08)

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 138USLC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS										
MASONS										
OWN./OPERATORS										
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4:

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: August 19, 2022

Day of Week: S | M | T | W | T | F | S

Sheet No. 1 of 1 DWR No. 50

	AM		PM	
Weather	Clear		Clear	
Temperature	63	° F	82	° F

CONTRACTOR WORK HOURS: 700 TO 1630

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Subcontractor Balducci Concrete Construction.

Subcontractor proceed to placed new cast-in-place concrete curb from Sta. B12+20 LT to B15+00 LT and from Sta. 15+00 RT to Sta. B0+26.40 RT. Barron Associates was on site to perform concrete testing.

Item 609.04 - CAST-IN-PLACE CONCRETE CURB (LF) - Subcontractor began placement Sta. B12+20 LT and proceed to Sta. B15+00 LT using a 2016 Power Curb (5700C) curb machine. Then Subcontractor placed cast-in-place concrete curb from Sta. B15+00 RT to B0+26.40 RT. Elevations, grades and alignment were checked at various point along the curb. Control joints were placed at 10 intervals and expansion joints at drainage structures. Curb was then trowed and broomed. A approved ChemMasters polyseal WB 15% was then applied.
All work complete.
Therefore, Pay Item 609.04 - CAST-IN-PLACE CONCRETE CURB (LF): 3047.00 LF FM FINAL

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
609.04				LF	3,047.00		B15+00 to Dona St. curb line Left and Right		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 8/19/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)

Note:

1/4" x 4" x 3.5' Steel plates were added as need at drainage structure openings where the curb would be placed and it would extend over the opening.

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1			1	Kamatsu PC 138USLC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					Power Curb Machine					1
MASONS				4						
OWN./OPERATORS										
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: August 22, 2022

Day of Week: S [X] M T W T F S

Sheet No. 1 of 1 DWR No. 51

	AM		PM	
Weather	Cloudy		Cloudy	
Temperature	66	° F	75	° F

CONTRACTOR WORK HOURS: 700 TO 1630

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime trenched for lighting conduit along the west side of the roadway using a CAT 135 excavator. Prime then placed Select fill over conduit and backfilled to subgrade along entire lenth of the west side using fill material previously stock pile in the on side disposal area.

Item 206.03060005 - CONDUIT EXCAVATION AND BACKFILL (LF) - Prime excavated for conduit on the west side of the roadway from Sta. B0+75 to B14+02 LT using a CAT 315 excavator. Material was placed to the side to be used as backfill. Trench was excavated to a 2' depth from existing grade and off set 3' behind the face of curb.
All Work Complete
Therefore, Pay Item 206.03060005 - CONDUIT EXCAVATION AND BACKFILL (LF): 1327 LF
FINAL

Subcontractor Spoth Enterprises Placed 2" Sch 40 conduit for lighting.
Item 670.2602 - RIDGED PLASTIC CONDUIT - 2" DIA. (LF) - subcontractor placed 2" Sch 40 conduit for lighting from Sta. B0+75 to B14+02 LT. Each 10' length was glued and placed in trench. Gaps were left in place for light pole foundation to be placed at a later date. Warning Tape was placed afer stone backfill was completed.
Work Incomplete.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
206.03060005				LF	1,327.00		B75+00 LT to B14+00LT		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 8/22/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)

Item 203.07 - Select Granular Fill - Prime placed select granular fill to to of subgrade and compacted stone and subgrade material.
Payment for this item is included in Item 206.03060005.

Discussed grading of subbase material on the back side of the curb abutting Uniland Property with Zollads Foreman. Grades are high in some locations. Therefore, use material from Uniland lot to fill behind curb. All agreed.

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1		1		Kamatsu PC 138USLC					
LABORER			4		Cat 315 Excavator		1			
EQUIP. OPERATOR					Dump Trucks		1			
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS										
MASONS										
OWN./OPERATORS										
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: August 23, 2022

Day of Week: S | M | X | W | T | F | S

Sheet No. 1 of 1 DWR No. 52

	AM		PM	
Weather	Cloudy		Clear	
Temperature	66	° F	75	° F

CONTRACTOR WORK HOURS: 700 TO 1630

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime continued placement of back-up material behind new curb on right side of the roadway. Fill material was returned from the on site spoil area to be used as subgrade material below the demarcation. Demarcation was placed and clean embankment material saved from previously excavated areas was placed over the demarcation material. Prime then placed approved topsoil to grade.

Item 203.03 - Embankment-in-Place (CY) - Prime placed subgrade embankment material from Sta. B9+75 RT to B15+00 RT. Material was returned from the on site spoil area and placed from the back side of the new curb to the ROW (10') and compacted.
Work complete.
See future report for payment.

Item E207.91 - DEMARCATION MEMBRANE (SY) - Prime placed demarcation material over newly placed embankment from Sta. B9+75 RT to B15+00 RT. Material was overlapped 6" at all joints and pinned in place.
All Work Complete.
Therefore, Pay Item E207.91 - DEMARCATION MEMBRANE (SY): (10'W x 525'L) / 9 SY/SF = 583.33 SY FINAL

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
E207.91				SY	583.33		B75+00 RT to B15+00 RT		
610.1402				CY	97.22		B75+00 RT to B15+00 RT		
610.1602				SY	583.33		B75+00 RT to B15+00 RT		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 8/23/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)
Item 203.03 - Embankment-in-Place (CY) - Prime placed embankment material from Sta. B9+75 RT to B15+00 RT. Material was previously excavated clean and approved embankment from Dona St. Area and TRS Berm. This material was stock piled in a separate clean area for later use. This material was placed un-compacted due to demarcation material being close to surface and on a slope.
All Work Complete.
See future report for payment.

Item 610.1402 - TOPSOIL (Roadside) (CY) - Prime placed 6" of approved topsoil over newly placed clean embankment between Sta. B9+75 RT to B15+00 RT.
All Woirk Complete.
Therefore, Pay Item 610.1402 - Topsoil (Roadside) (CY):
(10'W x 525'L x 0.5'D) / 27 = 97.22 CY FINAL

Item 610.1601 - TURF ESTABLISHMENT (Roadside) - Prime hydoseeded newly placed topsoil between Sta. B9+75 RT to B15+00 RT.
All Work Complete.
Therefore, Pay Item 610.1601 - TURF ESTABLISHMENT (Roadside): (10'W x 525'L) / 9 SY/SF = 583.33 SY FINAL

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 138USLC					
LABORER	3				Cat 315 Excavator		1			
EQUIP. OPERATOR					Dump Trucks		2			
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder		1			
MASONS										
OWN./OPERATORS										
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: August 24, 2022

Day of Week: S | M | T | W | T | F | S

Sheet No. 1 of 1 DWR No. 53

	AM		PM	
Weather	Clear		Clear	
Temperature	65	° F	78	° F

CONTRACTOR WORK HOURS: 700 TO 1900

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime continued placement of back-up material behind new curb on right side of the roadway. Fill material was returned from the on site spoil area to be used as subgrade material below the demarcation. Subbase was used along the driveway location on the right.

Item 203.03 - Embankment-in-Place (CY) - Prime placed subgrade embankment material from Sta. B0+75 LT to B2+00 LT. Material was returned from the on site spoil area and placed from the back side of the new curb to the ROW (10') and compacted.
Work complete.
See future report for payment.

Prime re-excavated the area for the 18" SICPP to a depth of 1', Placed demarcation material and backfilled with clean excavated material to a depth of 6", compacted and then placed approved topsoil to grade. Prime then hydo seeded areas topsoiled.

Item 206.0201 - Trench and Culvert Excavation (CY) - Prime re-excavated trench for 18" SICPP to place Demarcation Material. This work was previously paid reports 16, 17, 18. Therefore, No payment for this work.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
E207.91				SY	244.44		Sta. D3+55 LT to D8+60 LT., 18" SICPP Area		
610.1402				CY	37.41		Sta. D3+55 LT to D8+60 LT., 18" SICPP Area		
610.1601				SY	224.44		Sta. D3+55 LT to D8+60 LT., 18" SICPP Area		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 8/24/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)

Item 203.03 - Embankment-in-Place (CY) - Prime placed embankment material over demarcation material from MH D1 to MH B1. This work was previously paid reports 16, 17, 18. Therefore, No payment for this work.

Item E207.91 - DEMARCATION MEMBRANE (CY) - Prime placed approved Demarcation Material over area excavated for 18" SICPP From Sta. D3+55 LT to D8+60 LT.
All Work complete
Therefore Pay Item E207.91 - DEMARCATION MEMBRANE (CY): (4'W x 505.00') / 9 SY/SF = 224.44 SY FINAL

Item 610.1402 - TOPSOIL (ROADSIDE) (CY) - Prime place approved 6" of topsoil over area of 18" SICPP From Sta. D3+55 LT to D8+60 LT.
All work Complete
Therefore, Pay Item 610.1402 - TOPSOIL (ROADSIDE) (CY): (4'W x 505.00' x 0.5D) / 27 CY/CF = 37.41 CY FINAL

Item 610.1601 - TURF ESTABLISHMENT (ROADSIDE) (SY) - Prime hydo seeded over area of 18" SICPP From Sta. D3+55 LT to D8+60 LT.
All work Complete.
Therefore, Pay Item 610.1601 - TURF ESTABLISHMENT (ROADSIDE) (SY): (4'W x 505.00') / 9 SY/SF = 224.44 CY FINAL

Item 203.03 - Embankment-in-Place (CY) - Prime placed embankment material from Sta. B0+50 RT to B1+00 RT. Material was previously excavated clean and approved embankment from Dona St. Area and TRS Berm. This material was stock piled in a separate clean area for later use.
All Work Complete.
See future report for payment.

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1		1		Kamatsu PC 138USLC					
LABORER	3		3		Cat 315 Excavator		1			
EQUIP. OPERATOR			1		Dump Trucks		2			
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder		1			
MASONS					Auger				1	
OWN./OPERATORS										
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1 - 1
(06/08)

DAILY WORK REPORT - DESCRIPTION CONTINUATION

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: August 24, 2022

Day of Week: S | M | T | W | T | F | S

Sheet No. 2 of 2 DWR No. 53

	AM		PM	
Weather	Clear		Clear	
Temperature	65	° F	78	° F

CONTRACTOR WORK HOURS: 0700 TO 1900

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

SubContractor Spoth Enterprises Inc.

Subcontractor Spoth Enterprises on site to prep for light pole foundations.

Subcontractor Augered for light pole foundations using a a auger mounted on a Int. L8000 Flat Bed truck. Holes were augered to a depth of 5' x 2'. Sono-Tube, Re-bar Cage and anchor bolts were then placed into hole and suspended to the proper elevation,

Work Incomplete.

Note:

Received analytical test results for embankment material from County Line Stone. Jon Williams (Liro) reviewed, Sent to Andrew Zwack, DEC, Received acceptance from DEC. Material to be imported tomorrow.

Inspector's Initials: MES

MURK 1-1
(06/08)

DAILY WORK REPORT - DESCRIPTION CONTINUATION

Inspector's Initials: MES

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: August 25, 2022

Day of Week: S | M | T | W | X | F | S

Sheet No. 1 of 1 DWR No. 54

	AM		PM	
Weather	Clear		Clear	
Temperature	67	° F	82	° F

CONTRACTOR WORK HOURS: 700 TO 1900

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime began placement of approved clean embankment in the utility trench.

Item 203.03 - Embankment-in-Place (CY) - Prime placed approved clean embankment from County Line Stone in utility trench begining at Sta. 15+00 Lt to Sta. 11+00 LT Embankment was placed in 2' layers and compacted with an Ingersoll-Rand sheep foot roller.
Work complete.
See future report for payment.

Item E207.91 - DEMARCATION MEMBRANE (SY) - Prime placed demarcation material in utilty trench from Sta. B15+00 Lt to Sta. B9+75 LT Material was placed from the ROW line to a design distance of 30 from the ROW line. (5' from face of curb.) Material was pined at various loction to prevent the material from moving during embankment placement.
All Work Complete.
Therefore, Pay Item E207.91 - DEMARCATION MEMBRANE (SY): (35'W x 525'L) / 9 SY/SF = 2041.67 SY FINAL

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
E207.91				SY	2,041.67		Sta. B15+00 Lt to Sta. B9+75 LT		
670.0105				CY	4.65		LP B1 to LP B8		
670.2602				LF	1,327.00		LP B1 to LP B8		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 8/25/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)
Subcontractor Spoth Enterprises on site to complete prep for light pole foundations.
Subcontractor poured lightpole foundations using Class A concrete.

Item 670.0105 - FOUNDATION FOR LIGHT STANDARDS (CY) - Subcontractor poured Class A concrete for light standard foundations LP B1 - LP B8. Concrete was placed in sono tubes and vibrated to condence material. Top of foundation was finished and a water channel was tooled in.
All Work Complete.
Therefore, Pay Item 670.0105 - FOUNDATION FOR LIGHT STANDARDS (CY): 8 Units x Pi 1' SQ x 5'D / 27 CF/CY = 4.65 CY FINAL

Item 670.2602 - RIDGED PLASTIC CONDUIT - 2" DIA. (LF) - subcontractor previously placed 2" Sch 40 conduit for lighting from Sta. B0+75 LT to B14+02 LT. Prime complete connection into concrete light pole foundations.
All Work complete.
Therefore, Pay Item 670.2602 - RIDGED PLASTIC CONDUIT - 2" DIA. (LF): 1327.0 FM FINAL

Note:

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1		1		Kamatsu PC 138USLC					
LABORER	3		3		Cat 315 Excavator		1			
EQUIP. OPERATOR			1		Dump Trucks		2			
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder		1			
MASONS										
OWN./OPERATORS										
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: August 26, 2022

Day of Week: S | M | T | W | T | F | S

Sheet No. 1 of 1 DWR No. 55

	AM		PM	
Weather	Rain		Cloudy	
Temperature	68	° F	79	° F

CONTRACTOR WORK HOURS: 700 TO 1900

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime continued placement of approved clean embankment in the utility trench.

Item 203.03 - Embankment-in-Place (CY) - Prime placed approved clean embankment from County Line Stone in utility trench begining at Sta. B11+00 Lt to Sta. B9+00 LT Embankment was placed in 2' layers and compacted with an Ingersoll-Rand sheep foot roller.
Work complete.
See future report for payment.

Item E207.91 - DEMARCATION MEMBRANE (SY) - Prime placed demarcation material in utilty trench from Sta. B9+75 Lt to Sta. B7+00 LT Material was placed from the ROW line to a design distance of 30 from the ROW line. Material was pined at various loction to prevent the material from moving during embankment placement.
All Work Complete.
Therefore, Pay Item E207.91 - DEMARCATION MEMBRANE (SY): (35'W x 275'L) / 9 SY/SF = 1069.44 SY FINAL

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
E207.91				SY	1,069.44		Sta. B9+75 Lt to Sta. B7+00 LT		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 8/26/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)

Note: Phil Riggs, ECIDA on site to view progress and discuss extending the project limits.

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1		1		Kamatsu PC 138USLC					
LABORER	3		3		Cat 315 Excavator		1			
EQUIP. OPERATOR			1		Dump Trucks		2			
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder		1			
MASONS										
OWN./OPERATORS										
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: August 29, 2022

Day of Week: S [X] M T W T F S

Sheet No. 1 of 1 DWR No. 56

	AM		PM	
Weather	Cloudy		Cloudy	
Temperature	70	° F	88	° F

CONTRACTOR WORK HOURS: 700 TO 1900

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime continued placement of approved clean embankment in the utility trench.

Item 203.03 - Embankment-in-Place (CY) - Prime placed approved clean embankment from County Line Stone in utility trench beginning at Sta. B9+00 Lt to Sta. B8+00 LT Embankment was placed in 1' layers and compacted with an Ingersoll-Rand sheep foot roller.
Work complete.
See future report for payment.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 8/29/22

Reviewed by: [ ] Engineer-in-Charge [ ] Resident Engineer Date Reviewed:

[ ] MURK 1-1 CONTINUATION attached for additional narrative. [ ] MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)

Note:

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1		1		Kamatsu PC 138USLC					
LABORER	3		3		Cat 315 Excavator		1			
EQUIP. OPERATOR			1		Dump Trucks		2			
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder		1			
MASONS										
OWN./OPERATORS										
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: August 30, 2022

Day of Week: S | M | X | W | T | F | S

Sheet No. 1 of 1 DWR No. 57

	AM		PM	
Weather	Cloudy		Rain	
Temperature	72	° F	73	° F

CONTRACTOR WORK HOURS: 700 TO 1630

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime continued placement of approved clean embankment in the utility trench. Afternoon rain stopped placement of embankment material in trench. All material received after rain event was stock piled on spoil area paved surface.

Item 203.03 - Embankment-in-Place (CY) - Prime placed approved clean embankment from County Line Stone in utility trench begining at Sta. B11+00 Lt to Sta. B6+00 LT Embankment was placed in 1' layers and compacted with an Ingersoll-Rand sheep foot roller.
Work complete.
See future report for payment.

Item E207.91 - DEMARCATION MEMBRANE (SY) - Prime placed demarcation material in utilty trench from Sta. B7+00 Lt to Sta. B5+00 LT Material was placed from the ROW line to a design distance of 30 from the ROW line. Material was pined at various loction to prevent the material from moving during embankment placement.
All Work Complete.
Therefore, Pay Item E207.91 - DEMARCATION MEMBRANE (SY): (35'W x 200'L) / 9 SY/SF = 777.78 SY FINAL

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
E207.91				SY	777.78		Sta. B7+00 Lt to Sta. B5+00 LT		
204.01				CY	7.00		Sta. B15+75, 18' RT MH		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 8/30/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)
Item 204.01 - CONTROLLED LOW STRENGTH MATERIAL (CY) - Prime removed water from an existing manhole at Sta. B15+75, 18' RT (12' deep). No flow was observed in the 12" pipe leading into the manhole. Therefore it is assumed to be abandoned. Prime placed 7.0 CY of Flowable fill in to the manhole and connecting pipes.
All work complete.
Therefore, Pay Item 204.01 - CONTROLLED LOW STRENGTH MATERIAL (CY): 7.0 CY FINAL

Note: Meet with Phil Riggs, ECIDA and Jeff Benderson, Uniland Devlp. on site to discuss the posibility of placing a conduit across Road B at Sta. B5+50 for a Verizon service from the New Uniland Building at 8 Dona St. to UP # at Sta. 5+50 LT. Also Jeff Benderson may include a conduit at Sta. B14+00 for the proposed Uniland project north of the existing building. It was agreed that E&R construction will place the conduit crossing the ROW and roadway to the utility pole and bill Uniland for the work. Uniland will provide the conduit and a schematic for E&R Construction.

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 138USLC					
LABORER	3				Cat 315 Excavator		1			
EQUIP. OPERATOR					Dump Trucks		20			
TRUCK DRIVERS					CAT D5G LGP Dozer		1			
IRONWORKERS					Ingersoll-Rand Earth Roller		1			
CARPENTERS					hydroseeder					
MASONS										
OWN./OPERATORS										
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: August 31, 2022

Day of Week: S M T **W** T F S

Sheet No. 1 of 1 DWR No. 58

	AM		PM	
Weather	Clear		Clear	
Temperature	64	° F	77	° F

CONTRACTOR WORK HOURS: 700 TO 1800

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime continued placement of approved clean embankment in the utility trench.

Item 203.03 - Embankment-in-Place (CY) - Prime placed approved clean embankment from County Line Stone in utility trench from at Sta. B7+00 Lt to Sta. B3+75 LT Embankment was placed in 1' layers and compacted with an Ingersoll-Rand sheep foot roller.
Work complete.
See future report for payment.

Item E207.91 - DEMARCATION MEMBRANE (SY) - Prime placed demarcation material in utilty trench from Sta. B5+00 Lt to Sta. B3+75 LT Material was placed from the north edge of the utility trench to the back side of the curb. Material was pined at various locations to prevent the material from moving during embankment placement. Material placed on the west side of the utility trench was placed to a point above the existing demarcation placed by Benchmark.
All Work Complete.
Therefore, Pay Item E207.91 - DEMARCATION MEMBRANE (SY): (30'W x 125'L) / 9 SY/SF = 416.67 SY FINAL

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
E207.91				SY	416.67		Sta. B5+00 Lt to Sta. B3+75 LT		
203.02				CY	2,537.97		Estimated 75% Complete		
203.03				CY	5,257.41		Estimated 75% Complete		
637.11				MO	1.00		August 1 to August 31		
619.01				LS	0.15				

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 8/31/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)

Note:

Prime placed a cross over at Sta. B7+00 to cross over the curb. 2" subbase material was used as a ramp and steel plates were placed spanning over the curb. This will prevent any loads on the new curb.

Item 203.02 - UNCLASSIFIED EXCAVATION AND DISPOSAL (CY) - estimated 75 % of work completed.
Therefore, Pay Item 203.02 - UNCLASSIFIED EXCAVATION AND DISPOSAL (CY) 2,537.97 CY

Item 203.03 - EMBANKMENT-IN-PLACE (CY) - estimated 75 % of work completed.
Therefore, Pay Item 203.03 - EMBANKMENT-IN-PLACE (CY): 5,257.41 CY

Item 637.11 - ENGNEERS FIELD OFFICE - TYPE I (MO) - Field office rented August 1 to August 31
Therefore, Pay Item 637.11 - ENGNEERS FIELD OFFICE - TYPE I (MO): 1 MO

Item 619.01 - BASIC WORK ZONE TRAFFIC CONTROL (LS) - Prime provide basic work zone traffic control.
Therefore, Pay Item 619.01 - BASIC WORK ZONE TRAFFIC CONTROL (LS): 15%

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 138USLC					
LABORER	3				Cat 315 Excavator		1			
EQUIP. OPERATOR					Dump Trucks		20			
TRUCK DRIVERS					CAT D5G LGP Dozer		1			
IRONWORKERS					Ingersoll-Rand Earth Roller		1			
CARPENTERS					hydroseeder					
MASONS										
OWN./OPERATORS										
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: September 01, 2022

Day of Week: S | M | T | W | X | F | S

Sheet No. 1 of 1 DWR No. 59

	AM		PM	
Weather	Clear		Clear	
Temperature	59	° F	70	° F

CONTRACTOR WORK HOURS: 700 TO 1800

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime continued placement of approved clean embankment in the utility trench.

Item 203.03 - Embankment-in-Place (CY) - Prime placed approved clean embankment from County Line Stone in utility trench from at Sta. B7+00 Lt to Sta. B0+50 LT Embankment was placed in 1' layers and compacted with an Ingersoll-Rand sheep foot roller.
Work complete.
See future report for payment.

Item E207.91 - DEMARCATION MEMBRANE (SY) - Prime placed demarcation material in utilty trench from Sta. B3+75 Lt to Sta. B0+50 LT Material was placed from the north edge of the utility trench to the back side of the curb. Material was pined at various locations to prevent the material from moving during embankment placement. Material placed on the west side of the utility trench was placed to a point above the existing demarcation placed by Benchmark.
All Work Complete.
Therefore, Pay Item E207.91 - DEMARCATION MEMBRANE (SY): (30'W x 325'L) / 9 SY/SF = 1083.33 SY FINAL

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
E207.91				SY	1,083.33		Sta. B3+75 Lt to Sta. B0+50 LT		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 9/1/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)

Note: Phil Riggs, ECIDA, Phil was on site to walk and visualize the next phase of Road B to the north of the existing contract.

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 138USLC					
LABORER	3				Cat 315 Excavator		1			
EQUIP. OPERATOR					Dump Trucks		20			
TRUCK DRIVERS					CAT D5G LGP Dozer		1			
IRONWORKERS					Ingersoll-Rand Earth Roller		1			
CARPENTERS					hydroseeder					
MASONS										
OWN./OPERATORS										
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: September 02, 2022

Day of Week: S | M | T | W | T | F | S

Sheet No. 1 of 1 DWR No. 60

	AM		PM	
Weather	Clear		Clear	
Temperature	59	° F	70	° F

CONTRACTOR WORK HOURS: 700 TO 1800

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime continued placement of approved clean embankment in the utility trench.

Item 203.03 - Embankment-in-Place (CY) - Prime placed approved clean embankment from County Line Stone in utility trench from at Sta. B6+00 Lt to Sta. B0+50 LT Embankment was placed in 1' layers and compacted with an Ingersoll-Rand sheep foot roller.
Work complete.
See future report for payment.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 9/2/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

MURK 1 REVERSE
(06/08)

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 138USLC					
LABORER	3				Cat 315 Excavator		1			
EQUIP. OPERATOR					Dump Trucks		20			
TRUCK DRIVERS					CAT D5G LGP Dozer		1			
IRONWORKERS					Ingersoll-Rand Earth Roller		1			
CARPENTERS					hydroseeder					
MASONS										
OWN./OPERATORS										
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: September 06, 2022

Day of Week: S | M | X | W | T | F | S

Sheet No. 1 of 1 DWR No. 61

	AM		PM	
Weather	Rain		Cloudy	
Temperature	63	° F	66	° F

CONTRACTOR WORK HOURS: 700 TO 1800

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Over weekend. Prime graded and compacted embankment material in the utility trench.
Work completed.
See future report for payment.

Prime fine graded subbase.

Meet with Jeff Benderson, Uniland. and Fergison Electric Rep. to discuss the installation of the Verizon Conduits crossing Road B. Fergison Electric will provide the conduits and the installation at each location. E & R will excavate and backfill. Work will be performed tomorrow.

Conducted a progress meeting. See meeting minute notes.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 9/6/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

MURK 1 REVERSE
(06/08)

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 138USLC					
LABORER	3				Cat 315 Excavator		1			
EQUIP. OPERATOR					Dump Trucks		20			
TRUCK DRIVERS					CAT D5G LGP Dozer		1			
IRONWORKERS					Ingersoll-Rand Earth Roller		1			
CARPENTERS					hydroseeder					
MASONS										
OWN./OPERATORS										
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: September 07, 2022

Day of Week: S | M | T | W | T | F | S

Sheet No. 1 of 1 DWR No. 62

	AM		PM	
Weather	Cloudy		Cloudy	
Temperature	63	° F	66	° F

CONTRACTOR WORK HOURS: 700 TO 1800

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime excavated for Verizon Conduits crossing Road B. Subbase was removed to a width of 4' and down to the Layer 2 reinforcement. Prime then cut the reinforcement down the center and folded to the sides. Prime then excavated to 2' below subbase and removed material to on site disposal area. A bedding of stone was then placed before 2 - 4" SCH 40 conduits were placed. The conduits were then covered by 6" of stone, compaced, then subbase material was placed to subgrade and compacted using a hammer compactor mounted on a Komatsu 138 excavator. Layer 2 reinforcement was then folded back into place and a 3' wide peice of layer 2 reinforcement was placed over the cut area. Prime then placed subbase material over the layer 2 reinforcement and compacted.
Conduits were placed at Sta. B5+44 and Sta. B13+96.
This work was performed at no cost to the ECIDA. Contractor will bill Uniland for all cost associated with this work.

Prime then Paved the first 25' of Road B at Dona St. with 40.00 TN of 37.5mm HMA Base Course for a ramp in preparation for tomorrows paving.
Work complete.
See future Report for payment.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 9/7/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

MURK 1 REVERSE
(06/08)

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 138USLC					
LABORER	3				Cat 315 Excavator		1			
EQUIP. OPERATOR					Dump Trucks		20			
TRUCK DRIVERS					CAT D5G LGP Dozer		1			
IRONWORKERS					Ingersoll-Rand Earth Roller		1			
CARPENTERS					hydroseeder					
MASONS										
OWN./OPERATORS										
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: September 08, 2022

Day of Week: S | M | T | W | X | F | S

Sheet No. 1 of 1 DWR No. 63

	AM		PM	
Weather	Clear		Clear	
Temperature	60	° F	75	° F

CONTRACTOR WORK HOURS: 700 TO 1800

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

It was determined that the end limits of the paving would be at B14+10 so that if it was necessary to change profile or alignment of the proposed extension 500' to the north the pavement would not need to be removed.

Prime paved Base course asphalt pavement.
Item 402.377903 - 37.5 F9 BASE COURSE HMA, 70 SERIES COMPACTION (TN) - Prime paved base course of asphalt using a Blaw-Knox PF3200 paver. Base corse was placed at 4 1/4" lose mix and compacted with a Ingersoll Rand Pavement roller to a depth of 3 1/2". Barron & Associates P.C. were on site performing density monitoring. All reading were satisfactory. (See Report).
Prime paved the southbound lane in a southernly direction at a cross slope of 1/4 in/ft. The depths varied due to subbase material inconsistencies. Prime then retured and paved the northbound lane in a southernly direction. Longitudinal pavement joint was staggered 6".
All work Complete
Therefore, Pay tem 402.377903 - 37.5 F9 BASE COURSE HMA, 70 SERIES COMPACTION (TN)
Ticket Total

Item 407.0103 - STRAIGHT TACK COAT (GAL) - Prime placed tack coat over newly placed base HMA pavement in preparation for HMA binder course to be placed tomorrow.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
402.377903				TN	939.26		B0+15 - B14+10 LT & RT		
407.0103				GAL	147.00		B0+15 - B14+10 LT & RT		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 9/8/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)
All work complete.
Therefore Pay Item 407.0103 - STRAIGHT TACK COAT (GAL):
Volume used (1- change in Temp. x 0.00025) = Volume @ 60 degrees
150 Gal (1- (140 - 60 degrees) x 0.00025) = 147 Gal. FINAL

Added quantity is do to varied depth, assumed weight of asphalt per CF in the estimate to be lower then number received by the Asphalt producer at 145 lb/cf.

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 138USLC					
LABORER	3				Cat 315 Excavator		1			
EQUIP. OPERATOR					Dump Trucks		20			
TRUCK DRIVERS					CAT D5G LGP Dozer		1			
IRONWORKERS					Ingersoll-Rand Earth Roller		1			
CARPENTERS					hydroseeder					
MASONS										
OWN./OPERATORS										
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: September 09, 2022

Day of Week: S | M | T | W | T | F | S

Sheet No. 1 of 1 DWR No. 64

	AM		PM	
Weather	Clear		Clear	
Temperature	59	° F	77	° F

CONTRACTOR WORK HOURS: 700 TO 1800

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime paved HMA binder course

Item 402.197903 - 19 F9 BINDER COURSE HMA, 70 SERIES COMPACTION (TN) - Prime paved binder course of asphalt using a Blaw-Knox PF3200 paver. Binder course was placed at 4 1/4" lose mix and compacted with a Ingersoll Rand Pavement roller to a depth of 3 1/2". Barron & Associates P.C. were on site performing density monitoring. All reading were satisfactory. (See Report).
Prime paved the southbound lane in a southernly direction at a cross slope of 1/4 in/ft. The depths varied due to subbase material inconsistencies. Prime then retured and paved the northbound lane in a southernly direction. Longitudinal pavement joint was staggered 6".
All work Complete
Therefore, Pay Item 402.197903 - 19 F9 BINDER COURSE HMA, 70 SERIES COMPACTION (TN)
Ticket Total = 435.48 TN FINAL

Prime removed asphalt covering drainage structures by Saw cutting around perimiter then prying out material.
No payment for this work.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
402.197903				TN	435.48		B0+15 - B14+10 LT & RT		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 9/9/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

MURK 1 REVERSE
(06/08)

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 138USLC					
LABORER	3				Cat 315 Excavator		1			
EQUIP. OPERATOR					Dump Trucks		20			
TRUCK DRIVERS					CAT D5G LGP Dozer		1			
IRONWORKERS					Ingersoll-Rand Earth Roller		1			
CARPENTERS					hydroseeder					
MASONS										
OWN./OPERATORS										
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: September 09, 2022

Day of Week: S [ ] M [ ] T [ ] W [ ] T [ ] F [ ] S [X]

Sheet No. 1 of 1 DWR No. 65

	AM		PM	
Weather	Cloudy		Cloudy	
Temperature	64	° F	81	° F

CONTRACTOR WORK HOURS: 700 TO 1800

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime began placement of drainage structure frames.

Item 655.1103 - WELDED FRAME AND RETICULINE GRATE 3 (EA) - Prime used precast concrete risers for setting frames to proper grade. Only 3 sides of the riser were used due to the back being flush with the curb. Risers were cut to fit and grouted in place using mechanical mortar mixed Type S Mortar. Frames were set to proper slope and grade per contract plans. Area around the outside of the risers and grate frame will be filled with concrete at a later date. Prime set frames for structures 10 - 14.
Work incomplete. See future report for payment.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 9/9/22

Reviewed by: [ ] Engineer-in-Charge [ ] Resident Engineer Date Reviewed:

[ ] MURK 1-1 CONTINUATION attached for additional narrative. [ ] MURK 1-2 CONTINUATION attached for additional pay items & quantities.

MURK 1 REVERSE
(06/08)

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 138USLC					
LABORER	3				Cat 315 Excavator		1			
EQUIP. OPERATOR					Dump Trucks		20			
TRUCK DRIVERS					CAT D5G LGP Dozer		1			
IRONWORKERS					Ingersoll-Rand Earth Roller		1			
CARPENTERS					hydroseeder					
MASONS										
OWN./OPERATORS										
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: September 12, 2022

Day of Week: S [X] M T W T F S

Sheet No. 1 of 1 DWR No. 66

	AM		PM	
Weather	Cloudy		Cloudy	
Temperature	68	° F	73	° F

CONTRACTOR WORK HOURS: 700 TO 1800

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime continued placement of drainage structure frames.

Item 655.1103 - WELDED FRAME AND RETICULINE GRATE 3 (EA) - Prime used precast concrete risers for setting frames to proper grade. Only 3 sides of the riser were used due to the back being flush with the curb. Risers were cut to fit and grouted in place using mechanical mortar mixed Type S Mortar. Frames were set to proper slope and grade per contract plans. Area around the outside of the risers and grate frame will be filled with concrete at a later date.
Prime set frames for structures 1 - 9.
Prime placed truck mix concrete as backfill around each structure to binder height.
Work incomplete.
Therefore, Pay Item 655.1103- WELDED FRAME AND RETICULINE GRATE 3 (EA) 14 EA FINAL

Prime Graded for placement of sidewalk between Sta. B0+60 and B0+360 using a CAT 315 Excavator. Steel forms were then placed to slope and grade. 4" of subbase was then placed to bottom of forms and compacted.

Item 304.12 - SUBBASE COURSE, TYPE 2 (CY) - Prime placed subbase material for sidewalks between stations B0+60 and B3+60. Then compacted this plate tamper.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
655.1103				EA	14.00		Structures 1 - 14		
304.12				CY	18.50		Sidewalks B0+60 to B3+60		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 9/12/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)
All work complete.
Therefore, Pay Item 304.12 - SUBBASE COURSE, TYPE 2 (CY): (300'L x 5'W x 4") / 27 = 18.50 CY FINAL

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 138USLC					
LABORER	3				Cat 315 Excavator		1			
EQUIP. OPERATOR					Dump Trucks		20			
TRUCK DRIVERS					CAT D5G LGP Dozer		1			
IRONWORKERS					Ingersoll-Rand Earth Roller		1			
CARPENTERS					hydroseeder					
MASONS										
OWN./OPERATORS										
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: September 13, 2022

Day of Week: S | M | [X] | W | T | F | S

Sheet No. 1 of 1 DWR No. 67

	AM		PM	
Weather	Cloudy		Cloudy	
Temperature	57	° F	70	° F

CONTRACTOR WORK HOURS: 700 TO 1900

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime Graded for placement of sidewalk between Sta. B3+60 and B9+10 using a CAT 315 Excavator. Steel forms were then placed to slope and grade. 4" of subbase was then placed to bottom of forms and compacted.

Item 304.12 - SUBBASE COURSE, TYPE 2 (CY) - Prime placed subbase material for sidewalks between stations B3+60 and B9+10. Then compacted with plate tamper.
All work complete.
Therefore, Pay Item 304.12 - SUBBASE COURSE, TYPE 2 (CY): (550'L x 5'W x 4") / 27 = 33.91 CY FINAL

Item 608.0101 - CONCRETE SIDEWALKS AND DRIVEWAYS (CY) - Prime placed concrete sidewalks over previously placed subbase between Sta. B0+60 and B3+60. Concrete was tested by Barron and Associates P.C.
Prime placed concrte to the form slope and grade. Screeded the concrete, then floated to a smooth finish. once concrete set to a firm consistancy. A brrom finish was applied, Ten approved curing compound was applied.
All work Complete.
Therefore, Pay Item 608.0101 - CONCRETE SIDEWALKS AND DRIVEWAYS (CY): 18.00 CY

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
304.12				CY	33.91		Sidewalks B3+60 to B9+10		
608.0101				CY	18.00		Sidewalk B0+60 to B3+60		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 9/13/22

Reviewed by: [ ] Engineer-in-Charge [ ] Resident Engineer Date Reviewed:

[ ] MURK 1-1 CONTINUATION attached for additional narrative. [ ] MURK 1-2 CONTINUATION attached for additional pay items & quantities.

MURK 1 REVERSE
(06/08)

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 138USLC					
LABORER	3				Cat 315 Excavator		1			
EQUIP. OPERATOR					Dump Trucks		20			
TRUCK DRIVERS					CAT D5G LGP Dozer		1			
IRONWORKERS					Ingersoll-Rand Earth Roller		1			
CARPENTERS					hydroseeder					
MASONS										
OWN./OPERATORS										
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: September 14, 2022

Day of Week: S | M | T | W | T | F | S

Sheet No. 1 of 1 DWR No. 68

	AM		PM	
Weather	Clear		Clear	
Temperature	57	° F	73	° F

CONTRACTOR WORK HOURS: 700 TO 1900

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime Graded for placement of sidewalk between Sta. B9+10 and B13+00 using a CAT 315 Excavator. Steel forms were then placed to slope and grade. 4" of subbase was then placed to bottom of forms and compacted.

Item 304.12 - SUBBASE COURSE, TYPE 2 (CY) - Prime placed subbase material for sidewalks between stations B9+10 and B13+00. Then compacted with plate tamper.
All work complete.
Therefore, Pay Item 304.12 - SUBBASE COURSE, TYPE 2 (CY): (390'L x 5'W x 4") / 27 = 24.05 CY FINAL

Item 608.0101 - CONCRETE SIDEWALKS AND DRIVEWAYS (CY) - Prime placed concrete sidewalks over previously placed subbase between Sta. B3+60 and B9+60. Concrete was tested by Barron and Associates P.C.
Prime placed concrete to the form slope and grade. Screeded the concrete, then floated to a smooth finish. once concrete set to a firm consistancy. A broom finish was applied, Ten approved curing compound was applied.
All work Complete.
Therefore, Pay Item 608.0101 - CONCRETE SIDEWALKS AND DRIVEWAYS (CY): 37.00 CY

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
304.12				CY	24.05		Sidewalks B9+10 to B13+00		
608.0101				CY	37.00		Sidewalk B3+60 to B9+60		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 9/14/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

MURK 1 REVERSE
(06/08)

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 138USLC					
LABORER	3				Cat 315 Excavator		1			
EQUIP. OPERATOR					Dump Trucks		20			
TRUCK DRIVERS					CAT D5G LGP Dozer		1			
IRONWORKERS					Ingersoll-Rand Earth Roller		1			
CARPENTERS					hydroseeder					
MASONS										
OWN./OPERATORS										
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: September 15, 2022

Day of Week: S | M | T | W | [X] | F | S

Sheet No. 1 of 1 DWR No. 69

	AM		PM	
Weather	Cloudy		Cloudy	
Temperature	50	° F	66	° F

CONTRACTOR WORK HOURS: 700 TO 1900

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime Graded for placement of sidewalk between Sta. B13+00 and B14+00 and at B0+60 to TRS Driveway and Southeast coner using a CAT 315 Excavator. Steel forms were then placed to slope and grade. 4" of subbase was then placed to bottom of forms and compacted.

Sidewalk was stopped at B14+00 with the anticipation of grade and alignment changes for the Road B extension to the north.

Item 304.12 - SUBBASE COURSE, TYPE 2 (CY) - Prime placed subbase material for sidewalks between stations B13+00 and B14+00. Then compacted with plate tamper.
All work complete.
Therefore, Pay Item 304.12 - SUBBASE COURSE, TYPE 2 (CY): (196'L x 5'W x 4") / 27 = 12.08 CY FINAL

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
304.12				CY	12.08		Sidewalks B13+00 to B14+00 & Corners		
608.0101				CY	28.00		Sidewalk B9+60 to B13+00		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 9/15/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)
Item 608.0101 - CONCRETE SIDEWALKS AND DRIVEWAYS (CY) - Prime placed concrete sidewalks over previously placed subbase between Sta. B9+60 and B13+00. Concrete was tested by Barron and Associates P.C.
Prime placed concrete to the form slope and grade. Screeded the concrete, then floated to a smooth finish. once concrete set to a firm consistancy. A broom finish was applied, Ten approved curing compound was applied.
All work Complete.
Therefore, Pay Item 608.0101 - CONCRETE SIDEWALKS AND DRIVEWAYS (CY): 28.00 CY

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 138USLC					
LABORER	3				Cat 315 Excavator		1			
EQUIP. OPERATOR					Dump Trucks		20			
TRUCK DRIVERS					CAT D5G LGP Dozer		1			
IRONWORKERS					Ingersoll-Rand Earth Roller		1			
CARPENTERS					hydroseeder					
MASONS										
OWN./OPERATORS										
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: September 16, 2022

Day of Week: S | M | T | W | T | F | S

Sheet No. 1 of 1 DWR No. 70

	AM		PM	
Weather	Clear		Clear	
Temperature	48	° F	73	° F

CONTRACTOR WORK HOURS: 700 TO 1900

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime placed concrete sidewalks and ADA Ramp corners.

Sidewalk was stopped at B14+00 with the anticipation of grade and alignment changes for the Road B extension to the north.

Item 608.0101 - CONCRETE SIDEWALKS AND DRIVEWAYS (CY) - Prime placed concrete sidewalks over previously placed subbase between Sta. B13+00 and B14+00. Concrete was tested by Barron and Associates P.C.
Prime placed concrete to the form slope and grade. Screeded the concrete, then floated to a smooth finish. once concrete set to a firm consistancy. A broom finish was applied, Ten approved curing compound was applied.
All work Complete.
Therefore, Pay Item 608.0101 - CONCRETE SIDEWALKS AND DRIVEWAYS (CY): 15.97 CY
Remaining 3.03 yardage included in Item 608.01050405.

608.01050405 - CURB RAMP (SF) - Prime formed and placed curb ramps at the SW, SE, and the TRS Packaging Driveway. All grades and cross slopes were checked and approved prior to placement.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
608.0101				CY	15.97		Sidewalk B13+00 to B14+00 B0+60 to TRS Drwy		
608.01050405				SF	246.00		ADA Ramps SW, SE, TRS Drwy. Corners		
608.21				SY	4.90		SW, SE Road B corners		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 9/16/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)
All work Complete.
Therefore, Pay 608.01050405 - CURB RAMP (SF): 246 SF FINAL

Item 608.21 - EMBEDDED DETECTABLE WARNING UNITS (SY) - Prime placed detectable warning units as required in the SW, SE, and TRS Packaging Driveway.
All work complete.
Therefore, Pay Item 608.21 - EMBEDDED DETECTABLE WARNING UNITS (SY) 4.90 SF

Detectable units placed at the TRS Packaging driveway are included in the cost of item 608.01050405 due to this location being a replacement of damaged units.

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 138USLC					
LABORER	3				Cat 315 Excavator		1			
EQUIP. OPERATOR					Dump Trucks		20			
TRUCK DRIVERS					CAT D5G LGP Dozer		1			
IRONWORKERS					Ingersoll-Rand Earth Roller		1			
CARPENTERS					hydroseeder					
MASONS										
OWN./OPERATORS										
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: September 19, 2022

Day of Week: S [X] M T W T F S

Sheet No. 1 of 1 DWR No. 71

	AM		PM	
Weather	Cloudy		Rain	
Temperature	64	° F	73	° F

CONTRACTOR WORK HOURS: 700 TO 1900

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime placed Approved top soil between sidewalk and curb on the west side of road B.

Item 610.1402 - TOPSOIL - ROADSIDE (CY) - Prime placed approved topsoil between the sidewalk and the curb on the west side of the roadway between Sta. TRS Packaging Driveway and B14+00, and on the SE corner, TRS packaging Walkway, TRS Packaging SW Driveway corner.
Material was placed to 1" above grade with anticipation of settlement.
All work complete.
Therefore, Pay Item 610.1402 - TOPSOIL - ROADSIDE (CY):
(4.5' W x 1360' L x 0.5 D)/27 = 113.33 CY
Misc. Area (SW @ Dona) FM = 3'W x 60'L x 0.5'D / 27 = 3.33 CY
Total = 116.66 CY

Item 610.1601 - TURF ESTABLISHMENT - ROADSIDE (SY) - Prime hydro-seeded newly placed top soil in all locations.
All work complete.
Therefore Pay Item 610.1601 - TURF ESTABLISHMENT - ROADSIDE (SY)
(4.5' W x 1360' L) / 9 = 680.00 SF + Misc 20 SY = 700.00 SY

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
610.1402				CY	116.66		Snow Storage W. Side, Misc.		
610.1601				SY	700.00		Snow Storage W. Side, Misc.		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 9/19/22

Reviewed by: [ ] Engineer-in-Charge [ ] Resident Engineer Date Reviewed:

[ ] MURK 1-1 CONTINUATION attached for additional narrative. [ ] MURK 1-2 CONTINUATION attached for additional pay items & quantities.

MURK 1 REVERSE
(06/08)

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 138USLC					
LABORER	3				Cat 315 Excavator		1			
EQUIP. OPERATOR					Dump Trucks		20			
TRUCK DRIVERS					CAT D5G LGP Dozer		1			
IRONWORKERS					Ingersoll-Rand Earth Roller		1			
CARPENTERS					hydroseeder					
MASONS										
OWN./OPERATORS										
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: September 20, 2022

Day of Week: S | M | X | W | T | F | S

Sheet No. 1 of 2 DWR No. 72

	AM		PM	
Weather	Clear		Clear	
Temperature	61	° F	73	° F

CONTRACTOR WORK HOURS: 700 TO 1530

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime excavated and paved HMA binder course at TRS Packaging Driveway.

Item 203.02 - UNCLASSIFIED EXCAVTION AND DISPOSAL (CY) Prime excavated remaining asphalt and regraded subbase using a CAT 315 Excavator in preperation for asphalt placement. All work complete.
Therefore, Pay Item 203.02 - UNCLASSIFIED EXCAVTION AND DISPOSAL (CY)
(25' avg W x 20' L x 4" avg. D) / 27 = 6.17 CY FINAL

Item 402.197903 - 19 F9 BINDER COURSE HMA, 70 SERIES COMPACTION (TN) - Prime paved binder course of asphalt using CAT 315 Excavator for placement. Material was then hand raked to proper depth and grade. Material was then compacted with a Ingersoll Rand Pavement roller. Depth varied to make proper grades. Pavement was placed back at existing grades and cross slopes to meet existing curb cut and curbs.

All work Complete
Therefore, Pay Item 402.197903 - 19 F9 BINDER COURSE HMA, 70 SERIES COMPACTION(TN)
Ticket Total = 19.99 TN FINAL

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
203.02				CY	6.17		TRS Packaging Driveway		
402.197903				TN	19.99		TRS Packaging Driveway		
402.127203				TN	14.97		TRS Packaging Driveway		
619.04				LF	24.00		Sta. B10+00		
E680.519601				EA	2.00		F.O. Boxes Sta.B14+92,28'Lt and Sta.B0+62,30' LT		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 9/20/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)
Item 402.127203 - 12.5 F2 TOP COURSE HMA, 70 SERIES COMPACTION (TN) - Prime paved top course of asphalt using CAT 315 Excavator for placement. Material was then hand raked to proper depth and grade. Material was then compacted with a Ingersoll Rand Pavement roller. Depth varied to make proper grades. Pavement was placed back at existing grades and cross slopes to meet existing curb cut and curbs.
A 9.5mm asphalt was used over the 12.5mm asphalt to match the existing material in the driveway. Payment will be made under the 12.5mm item.

All work Complete
Therefore, Item 402.127203 - 12.5 F2 TOP COURSE HMA, 70 SERIES COMPACTION (TN)
Ticket Total = 14.97 TN FINAL

Item 619.04 - CONSTRUCTION BARRICADES (LF) - Prime placed additional barricades at Sta. B10+00 to closed the north end.
All work complete.
Therefore Pay Item 619.04 - CONSTRUCTION BARRICADES (LF) 24 LF FINAL

Notes:
Foreman from Uniland Development request use of the roadway for construction equipment and material delivery only. Request was approved provided that the curb is properly backed up and any damage will be Uniland responsibility and that the barricades and traffic cones be replaced to their original locations and the end of each day. Foreman agreed.

Additional barricades were placed at the north end of the Uniland property to prevent use of the north end of the road and to provide a second barrier for traffic.

Prime removed most equipment and cleaned debris and supplies from roadway. Prime will not be on site until Fiber-optic conduit is received.

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 138USLC					
LABORER	3				Cat 315 Excavator		1			
EQUIP. OPERATOR					Dump Trucks		2			
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller		1			
CARPENTERS					hydroseeder					
MASONS										
OWN./OPERATORS										
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: September 21, 2022

Day of Week: S | M | T | W | T | F | S

Sheet No. 1 of 1 DWR No. 73

	AM		PM	
Weather	Clear		Cloudy	
Temperature	59	° F	79	° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime not on site. No work performed.
Waiting for Fiber-optic conduit to be delivered.

Item 304.12 - SUBBASE COURSE TYPE 2 (CY) - Prime previously placed subbase course to slope and grade for road B. Material was compacted and tested for compaction by Barron Associates.
All Work Complete.
Therefore, Pay Item 304.12 - SUBBASE COURSE TYPE 2 (CY)
Area from CADD = 46939.08 SF = (46939.08 SF x 0.75 D) / 27 = 1303.86 CY FINAL

Item 304.12 - SUBBASE COURSE TYPE 2 (CY) - Prime previously placed subbase course as curb backing along the east and west sides of Road B outside of driveway areas.
All Work Complete.
Therefore, Pay Item 304.12 - SUBBASE COURSE TYPE 2 (CY)
1921 LF x 1'D x 1'W / 27 = 71.15 CY FINAL

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
304.12				CY	1,303.86		Road B0+15 - B15+00 & Cul-de-sac		
304.12				CY	71.15		Curb Backing B0+15 - B14+21 LT B9+75-B15+00 RT		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 9/21/22

Reviewed by: _____ ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed: _____

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 138USLC					
LABORER	3				Cat 315 Excavator		1			
EQUIP. OPERATOR					Dump Trucks		2			
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller		1			
CARPENTERS					hydroseeder					
MASONS										
OWN./OPERATORS										
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: September 22, 2022

Day of Week: S M T W [X] F S

Sheet No. 1 of 1 DWR No. 74

	AM		PM	
Weather	Rain		Cloudy	
Temperature	61	° F	63	° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime not on site. No work performed.
Waiting for Fiber-optic conduit to be delivered.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 9/22/22

Reviewed by: _____ ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed: _____

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

MURK 1 REVERSE
(06/08)

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 138USLC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS										
OWN./OPERATORS										
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: September 23, 2022

Day of Week: S M T W T F S

Sheet No. 1 of 1 DWR No. 75

	AM		PM	
Weather	Clear		Clear	
Temperature	45	° F	57	° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime not on site. No work performed.
Waiting for Fiber-optic conduit to be delivered.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 9/23/22

Reviewed by: _____ ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed: _____

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

MURK 1 REVERSE
(06/08)

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 138USLC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS										
OWN./OPERATORS										
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: September 26, 2022

Day of Week: S [X] M T W T F S

Sheet No. 1 of 1 DWR No. 76

	AM		PM	
Weather	Other		Other	
Temperature		° F		° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime not on site. No work performed.
Waiting for Fiber-optic conduit to be delivered.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 9/26/22

Reviewed by: _____ [ ] Engineer-in-Charge [ ] Resident Engineer Date Reviewed: _____

[ ] MURK 1-1 CONTINUATION attached for additional narrative. [ ] MURK 1-2 CONTINUATION attached for additional pay items & quantities.

MURK 1 REVERSE
(06/08)

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 138USLC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS										
OWN./OPERATORS										
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: September 27, 2022

Day of Week: S [X] M T W T F S

Sheet No. 1 of 1 DWR No. 77

	AM		PM	
Weather	Other		Other	
Temperature		° F		° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime not on site. No work performed.
Waiting for Fiber-optic conduit to be delivered.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 9/27/22

Reviewed by: _____ [ ] Engineer-in-Charge [ ] Resident Engineer Date Reviewed: _____

[ ] MURK 1-1 CONTINUATION attached for additional narrative. [ ] MURK 1-2 CONTINUATION attached for additional pay items & quantities.

MURK 1 REVERSE
(06/08)

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 138USLC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS										
OWN./OPERATORS										
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: September 28, 2022

Day of Week: S | M | T | W | T | F | S

Sheet No. 1 of 1 DWR No. 78

	AM		PM	
Weather	Other		Other	
Temperature		° F		° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime not on site. No work performed.
Waiting for Fiber-optic conduit to be delivered.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 9/28/22

Reviewed by: _____ ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed: _____

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

MURK 1 REVERSE
(06/08)

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 138USLC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS										
OWN./OPERATORS										
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: September 29, 2022

Day of Week: S | M | T | W | [X] | F | S

Sheet No. 1 of 1 DWR No. 79

	AM		PM	
Weather	Other		Other	
Temperature		° F		° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime not on site. No work performed.
Waiting for Fiber-optic conduit to be delivered.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 9/29/22

Reviewed by: _____ ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed: _____

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

MURK 1 REVERSE
(06/08)

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 138USLC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS										
OWN./OPERATORS										
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: September 30, 2022

Day of Week: S M T W T F S

Sheet No. 1 of 3 DWR No. 80

	AM		PM	
Weather	Other		Other	
Temperature		° F		° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime not on site. No work performed.
Waiting for Fiber-optic conduit to be delivered.

Combined Estimate #2 & #3 end of estimate quantities to be paid.

Item 209.13 - SILT FENCE - TEMPORARY (LF) - Prime removed silt sock from all locations where turff as established and where not needed. Pay remaining quantity 25% from report 3
All work complete.
Therefore, Pay Item 209.13 - SILT FENCE - TEMPORARY (LF): Total Sediment Filter Log placed = 3066 LF x 0.25 = 766 LF FINAL

Item 637.11 - ENGNEERS FIELD OFFICE - TYPE I (MO) - Field office rented September 1 to September 31 2022
Therefore, Pay Item 637.11 - ENGNEERS FIELD OFFICE - TYPE I (MO): 1 MO

Item 201.06 - CLEARING AND GRUBBING (LS) - Prime completed clearing and grubbing of entire work limits.
All work complete.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
209.13				LF	766.00		Held 25%		
637.11				MO	1.00		September 1 to September 31 2022		
201.06				LS	0.25		Retainage		
202.19				CY	5.19		Fdn. Walls and Piers		
205.0201				LS	1.00		Road B existing subgrade removed		
209.1003				SY	200.00		Spoils pile		
209.22				SY	17.50		Qty. Held for Removal		
418.7603				LF	172.50		Road B intersection with Dona St.		
655.0202				EA	2.00		MH B1 and MH B2		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 9/30/22

Reviewed by: _____ ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed: _____

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)
Therefore Pay Item 201.06 - CLEARING AND GRUBBING (LS): 25% retainage. from first estimate. FINAL

Item 202.19 - REMOVAL OF SUBSTRUCTURES (CY) - Prime previously removed additional substructures that interfered with drainage pipe installation. (See Structural concrete removal calculation sheet.
All work Complete
Therefore, Pay Item 202.19 - REMOVAL OF SUBSTRUCTURES (CY): 5.19 CY

Item 205.0201 - SEGREGATION AND STORAGE OF CONTAMINATED MATERIALS (LS) - Prime removed contaminated soils from within the road B right-of-way and stored on ECDA property. Silt sock was placed around storage pile. Material was graded to a neat mound and temporaly seeded.
Work is Incomplete.
Therefore, Pay Item 205.0201 - SEGREGATION AND STORAGE OF CONTAMINATED MATERIALS (LS): 1.00 LS FINAL

Item 209.1003 - SEED AND MULCH - TEMPORARY (SY) - Prime seeded and mulched spoils pile on ECDA land.
Work is Incomplete.
Therefore, Pay Item 209.1003 - SEED AND MULCH - TEMPORARY (SY): 200 SY FINAL

Item 209.22 - CONSTRUCTION ENTRANCE (SY) - Prime removed previously placed crushed concrete at new roadway entrance off Dona St. Pay 25% quantity held
All work complete.
Therefore, Pay Item 209.22 - CONSTRUCTION ENTRANCE (SY): 25% of bid quantity for work complete.
70.0 SY x 0.25 = 17.5 SY Final

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 138USLC					
LABORER	3				Cat 315 Excavator		1			
EQUIP. OPERATOR					Dump Trucks		2			
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller		1			
CARPENTERS					hydroseeder					
MASONS										
OWN./OPERATORS										
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1 - 1
(06/08)

DAILY WORK REPORT - DESCRIPTION CONTINUATION

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: September 30, 2022

Day of Week: S M T W T F S

Sheet No. 2 of 2 DWR No. 80

	AM		PM	
Weather				
Temperature				

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Item 418.7603 - ASPHALT PAVEMENT JOINT ADHESIVE (LF) - Subcontractor Amherst paving provided and placed 172.5 LF (FM) of Asphalt Pavement Joint Adhesive along Road B intersection with Dona St. Material was placed prior to the binder course and penitrated down through the base course.

All work Complete.

Therefore, Pay Item 418.7603 - ASPHALT PAVEMENT JOINT ADHESIVE (LF): 172.5 LF FINAL

Item 655.0202 - MANHOLE FRAME AND COVER (EA) - Prime set to grade and mortared manhole frames in place at MH B2 and MH B1.

All work Complete.

Therefore, Pay Item 655.0202 - MANHOLE FRAME AND COVER (EA): 2.0 EA FINAL

Inspector's Initials: MES

MURK 1-1
(06/08)

DAILY WORK REPORT - DESCRIPTION CONTINUATION

Inspector's Initials: MES

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: October 03, 2022

Day of Week: S [X] M T W T F S

Sheet No. 1 of 1 DWR No. 81

	AM		PM	
Weather	Clear		Clear	
Temperature	36	° F	57	° F

CONTRACTOR WORK HOURS: 700 TO 1900

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Subcontractor Sopth Enterprises on site to placed fiber optic conduits between pull boxes

Item 206.0201 - TRENCH AND CULVERT EXCAVATION (CY) - Prime provided excavation and back fill for Spoth Enterprises to install fiber optic conduits. Prime excavated with a Cat 315 excavator to a depth of 4.5' x 1'. Excavated material was clean material previously placed in the utility trench. Materail was placed to the side and on top of clean material for later back fill. Prime excavated from the pull box at Sta. B 0+62 Lt to Sta. B 12+00 Lt.
Work incomplete.

Item 683.0603005 - HDPE INNERDUCT 1 1/2" ID (LF) - Subcontractor Spoth Enterprises placed conduit in trench between Sta B0+62 and B9+50 LT and bound together with zip ties and electrical tape every 10' to keep conduit in a uniform grouping. Conduit was then pulled taunt to provide a straight alignment during backfill. Excavated material was then placed back into trench to a depth of 2' and compacted.
Work incomplete.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 10/3/22

Reviewed by: [ ] Engineer-in-Charge [ ] Resident Engineer Date Reviewed:

[ ] MURK 1-1 CONTINUATION attached for additional narrative. [ ] MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)

Item 670.2604 - RIGID PLASTIC CONDUIT - HIGH DENSITY PE 4" DIA (LF) - Subcontractor uncoiled one roll (750') of 4" conduit and let lay along the curb line to allow for coduit to lose its curved memory. Conduit to be placed next working day.

A hole was placed in the knock-out on north side of the pull box a Sta. B0+62. Conduit were placed in the hole and left to extend 4' into the pull box for possible shrinkage conduits will be cut off by user.

Manufacture of the 1 1/2" Conduit provided a pull tape pre-installed in the conduits.

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1		1		Kamatsu PC 138USLC					
LABORER	1		3		Cat 315 Excavator		1			
EQUIP. OPERATOR			1		Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS										
OWN./OPERATORS										
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: October 03, 2023

Day of Week: S | M | X | W | T | F | S

Sheet No. 1 of 1 DWR No. 153

	AM		PM	
Weather	Clear		Clear	
Temperature	58	° F	80	° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

No work performed on project.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 10/3/23

Reviewed by: _____ ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed: _____

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 228 LC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: October 04, 2022

Day of Week: S | M | [X] | W | T | F | S

Sheet No. 1 of 1 DWR No. 82

	AM		PM	
Weather	Clear		Clear	
Temperature	39	° F	64	° F

CONTRACTOR WORK HOURS: 700 TO 1900

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Subcontractor Sopth Enterprises on site to placed fiber optic conduits between pull boxes

Item 206.0201 - TRENCH AND CULVERT EXCAVATION (CY) - Prime provided excavation and back fill for Spoth Enterprises to install fiber optic conduits. Prime excavated with a Cat 315 excavator to a depth of 4.5' x 1'. Excavated material was clean material previously placed in the utility trench. Materail was placed to the side and on top of clean material for later back fill. Prime excavated from Sta. B12+00 to Sta. B14+92 Lt.
Work complete.
Therefore, Pay Item 206.0201 - TRENCH AND CULVERT EXCAVATION (CY): (4.0'D x 1'W x (1492 - 62)L) / 27cf/cy = 211.85 CY FINAL

Item 683.0603005 - HDPE INNERDUCT 1 1/2" ID (LF) - Subcontractor Spoth Enterprises placed conduit in trench and bound together with zip ties and electrical tape every 10' to keep conduit in a uniform grouping. Conduit was then pulled taunt to provide a straight alignment during backfill. Excavated material was then placed back into trench to a depth of 2' and compacted. Conduit was placed from Sta. B9+50 - B14+92.
All work complete.
Therefore, Pay Item 683.0603005 - HDPE INNERDUCT 1 1/2" ID (LF) 4314.00 LF FM FINAL

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
206.0201				CY	211.85		Sta. B0+62 - B14+92 F.O. Placement		
683.0603005				LF	4,314.00		Sta. B0+62 - B14+92 F.O. Placement		
670.2604				LF	1,438.00		Sta. B0+62 - B14+92 F.O. Placement		
203.03				CY	211.85		Sta. B0+62 - B14+92 F.O. Placement		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 10/4/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)

Item 670.2604 - RIGID PLASTIC CONDUIT - HIGH DENSITY PE 4" DIA (LF) - Subcontractor placed conduit in trench at a depth of 2' below the surface and backfilled to a depth of 1' below the surface. A detectable marker tape was then placed over the fill material before the remaining 1' of fill was placed and compacted.
A splice was made at Sta. 8+72 using a exterior water proof sleeve.
All work complete.
Therefore, Pay Item 670.2604 - RIGID PLASTIC CONDUIT - HIGH DENSITY PE 4" DIA (LF): 1438.00 LF FM FINAL

Item 203.03 - EMBANKMENT-IN-PPLACE (CY) - Prime backfilled conduit trench with approved clean material that was removed from the trench. Materail was placed in layers and compacted using a bucket on the 315 excavator.
All work complete.
Therefore, Pay Item 203.03 - EMBANKMENT-IN-PPLACE (CY): (4.0'D x 1'W x (1492 - 62)L) / 27cf/cy = 211.85 CY FINAL

Note: Depth was measured from top of embankment material with out the 6" of top soil placed.

A hole was placed in the knock-out on south side of the pull box a Sta. B14+92. Conduit were placed in the hole and left to extend 4' into the pull box for possible shrinkage conduits will be cut off by user.

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1		1		Kamatsu PC 138USLC					
LABORER	1		3		Cat 315 Excavator		1			
EQUIP. OPERATOR			1		Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS										
OWN./OPERATORS										
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: October 05, 2022

Day of Week: S | M | T | W | T | F | S

Sheet No. 1 of 1 DWR No. 83

	AM		PM	
Weather	Clear		Clear	
Temperature	41	° F	70	° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

No work Performed on Project.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 10/5/22

Reviewed by: _____ ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed: _____

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

MURK 1 REVERSE
(06/08)

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 138USLC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS										
OWN./OPERATORS										
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: October 06, 2022

Day of Week: S | M | T | W | X | F | S

Sheet No. 1 of 1 DWR No. 84

	AM		PM	
Weather	Clear		Cloudy	
Temperature	50	° F	70	° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

No work Performed on Project.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 10/6/22

Reviewed by: _____ ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed: _____

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

MURK 1 REVERSE
(06/08)

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 138USLC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS										
OWN./OPERATORS										
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: October 07, 2022

Day of Week: S | M | T | W | T | F | S

Sheet No. 1 of 1 DWR No. 85

	AM		PM	
Weather	Clear		Cloudy	
Temperature	54	° F	50	° F

CONTRACTOR WORK HOURS: 700 TO 1800

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime fine graded embankment material on the back side of the sidewalk between Sta. B0+60 LT to B15+00 LT.

Item 610.1402 - Prime placed 6" of approved top soil over fine graded embankment on the back side of the sidewalk between Sta. B0+62 Lt and B14+00 LT. Top soil was placed by a New Holland C337 Skidster and a D6 Dozer. Material was placed to a rough grade and compacted. Berms along the TRS Packaging Lot line were graded to meet the new grades along Road B. Work incomplete.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 10/7/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

MURK 1 REVERSE
(06/08)

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 138USLC					
LABORER	4				Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks		2			
TRUCK DRIVERS	2				CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS					New Holland C337 Skidster		1			
OWN./OPERATORS					D6 Dozer		1			
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: October 08, 2022

Day of Week: S M T W T F ~~S~~

Sheet No. 1 of 1 DWR No. 86

	AM		PM	
Weather	Clear		Cloudy	
Temperature	43	° F	52	° F

CONTRACTOR WORK HOURS: 700 TO 1600

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime placed a fine layer of topsoil over previously placed materail before hydo-seeding on the back side of the sidewalk between Sta. B0+60 LT to B15+00 LT.

Item 610.1402 - Topsoil Road Side (CY) - Prime placed a fine layer of topsoil to finish grade on the back side of the sidewalk between Sta. B0+62 Lt and B14+00 LT. Top soil was placed by a with a New Holland C337 Skidster and hand raked to a finished grade.
All work Complete.
Therefore, Pay Item 610.1402 - TOPSOIL - ROADSIDE (CY): (1338'L x 12'W (Ave.) x 0.5 D)/27 CF/CY = 297.33 CY FINAL

Item 610.1601 - TURF ESTABLISHMENT - ROADSIDE (SY) - Prime hand scattered approved side mix over fine graded topsoil and raked seed into the topsoil. Prime then hydo-seeded over the entire area of new topsoil.
All work Complete.
Therefore, Pay Item 610.1601 - TURF ESTABLISHMENT (SY): (1338'L x 12'W (Ave.)) / 9 SY/SF = 1784 SY FINAL

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
610.1402				CY	297.33		Sta B0+62 - B14+00LT, Back side of Sidewalk		
610.1601				SY	1,784.00		Sta B0+62 - B14+00LT, Back side of Sidewalk		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 10/8/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

MURK 1 REVERSE
(06/08)

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 138USLC					
LABORER	3				Cat 315 Excavator					
EQUIP. OPERATOR	1				Dump Trucks		1			
TRUCK DRIVERS	1				CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder		1			
MASONS										
OWN./OPERATORS										
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: October 10, 2022

Day of Week: S [X] M T W T F S

Sheet No. 1 of 1 DWR No. 87

	AM		PM	
Weather	Clear		Cloudy	
Temperature	50	° F	59	° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

No work Performed on Project.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 10/10/22

Reviewed by: _____ [ ] Engineer-in-Charge [ ] Resident Engineer Date Reviewed: _____

[ ] MURK 1-1 CONTINUATION attached for additional narrative. [ ] MURK 1-2 CONTINUATION attached for additional pay items & quantities.

MURK 1 REVERSE
(06/08)

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 138USLC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS										
OWN./OPERATORS										
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: October 11, 2022

Day of Week: S M [X] W T F S

Sheet No. 1 of 1 DWR No. 88

	AM		PM	
Weather	Clear		Cloudy	
Temperature	54	° F	70	° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

No work Performed on Project.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 10/11/22

Reviewed by: _____ ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed: _____

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

MURK 1 REVERSE
(06/08)

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 138USLC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS										
OWN./OPERATORS										
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: October 12, 2022

Day of Week: S | M | T | W | T | F | S

Sheet No. 1 of 1 DWR No. 89

	AM		PM	
Weather	Clear		Cloudy	
Temperature	55	° F	72	° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

No work Performed on Project.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 10/12/22

Reviewed by: _____ ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed: _____

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

MURK 1 REVERSE
(06/08)

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 138USLC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS										
OWN./OPERATORS										
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: October 13, 2022

Day of Week: S M T W [X] F S

Sheet No. 1 of 1 DWR No. 90

	AM		PM	
Weather	Rain		Rain	
Temperature	64	° F	54	° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

No work Performed on Project.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 10/13/22

Reviewed by: _____ ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed: _____

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

MURK 1 REVERSE
(06/08)

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 138USLC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS										
OWN./OPERATORS										
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: October 14, 2022

Day of Week: S | M | T | W | T | F | S

Sheet No. 1 of 1 DWR No. 91

	AM		PM	
Weather	Cloudy		Clear	
Temperature	46	° F	57	° F

CONTRACTOR WORK HOURS: 1700 TO 2000

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime swept roadway of all debies and dirt before placing tack coat in preperatoin for paving top course next day.

Item 407.0103 - STRAIGHT TACK COAT (GAL) - Prime placed tack coat over cleaned binder course in preparation for HMA Top course to be placed tomorrow.
All work complete.
Therefore Pay Item 407.0103 - STRAIGHT TACK COAT (GAL):
Volume used (1- change in Temp. x 0.00025) = Volume @ 60 degrees
120 Gal (1- (140 - 60 degrees) x 0.00025) = 118 Gal. FINAL

Item 490.30 - MISC. COLD MILLING BITUMINOUS CONCRETE (SY) - Prime milled 1' rebate at Dona St. pavement edge using a mill head on a New Holland C337 Skidster. Pavement was milled to a 1 1/2" depth for the entire width of the Road B opening onto Dona St.
All work Compelete.
Therefore, Pay Item 490.30 - MISC. COLD MILLING BITUMINOUS CONCRETE (SY):
1' W x 137' L) / 9 SY/SF = 15.22

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
407.0103				GAL	118.00		B0+15 - B14+10 LT & RT Top Course HMA		
490.30				SY	15.22		Sta. D9+25 Rt to D 10+62 Rt Dona St.		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 10/14/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

MURK 1 REVERSE
(06/08)

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 138USLC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS										
OWN./OPERATORS										
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: October 15, 2022

Day of Week: S [ ] M [ ] T [ ] W [ ] T [ ] F [ ] S [X]

Sheet No. 1 of 1 DWR No. 92

	AM		PM	
Weather	Rain		Cloudy	
Temperature	55	° F	52	° F

CONTRACTOR WORK HOURS: 0700 TO 1600

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime paved HMA Top course

Item 402.127203 - 12.5mm F2 TOP COURSE HMA, 70 SERIES COMPACTION (TN) - Prime paved top course of asphalt using a Blaw-Knox PF3200 paver. Top course was placed at 1 3/4" lose mix and compacted with a Ingersoll Rand Pavement roller to a depth of 1 1/2". Barron & Associates P.C. were on site performing density monitoring. All reading were satisfactory. (See Report).
Prime paved the southbound lane in a southernly direction at a cross slope of 1/4 in/ft. Prime then returned and paved the northbound lane in a southernly direction. Longitudinal pavement joint was staggered 6" and placed at the crown of the roadway.
All work Complete
Therefore, Pay Item 402.127203 - 12.5mm F2 TOP COURSE HMA, 70 SERIES COMPACTION (TN)
Ticket Total = 406.70 TN FINAL

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
402.127203				TN	406.70		B0+15 - B14+10 LT & RT Top Course HMA		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 10/15/22

Reviewed by: [ ] Engineer-in-Charge [ ] Resident Engineer Date Reviewed:

[ ] MURK 1-1 CONTINUATION attached for additional narrative. [ ] MURK 1-2 CONTINUATION attached for additional pay items & quantities.

MURK 1 REVERSE
(06/08)

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 138USLC					
LABORER	4				Cat 315 Excavator					
EQUIP. OPERATOR	1				Dump Trucks		8			
TRUCK DRIVERS	8				CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver		1			
OWN./OPERATORS					Ingersoll-Rand Roller		1			
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: October 17, 2022

Day of Week: S [X] M T W T F S

Sheet No. 1 of 1 DWR No. 93

	AM		PM	
Weather	Clear		Clear	
Temperature		° F		° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

No Work Performed.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 10/17/22

Reviewed by: _____ ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed: _____

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

MURK 1 REVERSE
(06/08)

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 138USLC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: October 18, 2022

Day of Week: S M [X] W T F S

Sheet No. 1 of 1 DWR No. 94

	AM		PM	
Weather	Clear		Clear	
Temperature		° F		° F

CONTRACTOR WORK HOURS: 0700 TO 1600

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

No Work Performed.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 10/18/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 138USLC					
LABORER	2				Cat 315 Excavator					
EQUIP. OPERATOR	1				Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor					Kamatsu 228 PC		1			

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: October 19, 2022

Day of Week: S | M | T | W | T | F | S

Sheet No. 1 of 1 DWR No. 95

	AM		PM	
Weather	Cloudy		Rain	
Temperature	55	° F	63	° F

CONTRACTOR WORK HOURS: 0700 TO 1600

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

No work performed on project.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 10/19/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

MURK 1 REVERSE
(06/08)

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 138USLC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: October 20, 2022

Day of Week: S | M | T | W | [X] | F | S

Sheet No. 1 of 1 DWR No. 96

	AM		PM	
Weather	Clear		Clear	
Temperature	43	° F	48	° F

CONTRACTOR WORK HOURS: 0700 TO 1600

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

No work performed on project.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 10/20/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

MURK 1 REVERSE
(06/08)

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 138USLC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: October 21, 2022

Day of Week: S | M | T | W | T | F | S

Sheet No. 1 of 1 DWR No. 97

	AM		PM	
Weather	Clear		Clear	
Temperature		° F		° F

CONTRACTOR WORK HOURS: 0700 TO 1600

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

No work performed on project.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 10/21/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

MURK 1 REVERSE
(06/08)

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 138USLC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: October 24, 2022

Day of Week: S [X] M T W T F S

Sheet No. 1 of 1 DWR No. 98

	AM		PM	
Weather	Clear		Clear	
Temperature		° F		° F

CONTRACTOR WORK HOURS: 0700 TO 1600

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

No work performed on project.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 10/24/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

MURK 1 REVERSE
(06/08)

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 138USLC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: October 25, 2022

Day of Week: S M [X] W T F S

Sheet No. 1 of 1 DWR No. 99

	AM		PM	
Weather	Clear		Clear	
Temperature	66	° F	75	° F

CONTRACTOR WORK HOURS: 0700 TO 1600

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Subcontractor Spoth Enterprises, Inc.
Subcontractor installed electrical meter channel and disconnect wirh assoceated conduits and riser.

Item 206.03060005 - CONDUIT EXCAVATION AND BACKFILL (LF) - Subcontractor excavated for conduit between 25 LF of previously placed conduit and Up # 2297 using a CAT 315 excavator. Trench was excavated to a 2' depth. Material was disposed of at spoils site. Conduit was back filled with clean material.
All Work Complete
Therefore, Pay Item 206.03060005 - CONDUIT EXCAVATION AND BACKFILL (LF): 25'+20' = 45 LF FINAL

Item 670.2602 - RIGID PLASTIC CONDUIT - 2" DIA (LF) - Subcontractor placed 2" ridged conduit from the previously placed pullbox at Sta. 11+68 LT. to new disconnect at Sta. 11+68, 25' LT and from the disconnect to power pole # 2297 Sta. 11+68, 45' LT.
25' of 2" conduit was previously placed by Prime to pass through the utility trench.
Subcontractor placed an additional 30' of conduit to complete the system.
Therefore, Pay Item 670.2602-RIGID PLASTIC CONDUIT - 2" DIA (LF): 25'+30'=55 LF FINAL

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
206.03060005				LF	45.00		Power service		
670.2602				LF	55.00		Power service		
680.700606				EA	1.00		Power service UP # 2279		
670.7002				LF	180.00		Power Service to Disconnect		
950.01				EA	1.00		Power service		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 10/25/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)

Item 680.700606 - RISER ASSEMBLY - 2" DIA. (EA) - Subcontractor placed riser assembly on UP # 2297 per contract plan. Riser was connected to 2" conduit to meter channel.
All work complete.
Therefore, Pay Item 680.700606 - RISER ASSEMBLY - 2" DIA. (EA): 1 EA FINAL

Item 670.7002 - SINGLE CONDUCTOR CABLE, 2 AWG (LF) - Subcontractor installed 3 single, 2 AWG cables between the disconnect and 5' passed the top of the riser. Cables were left hanging for power company to connect to future transformer.
Power company to inspect and approve service.
All work Complete.
Therefore, Pay Item 670.7002 - SINGLE CONDUCTOR CABLE, 2 AWG (LF): 180 LF FINAL

Item 950.01 (670.53070104) - POWER POINT DISCONNECT ASSEMBLY (EA) - Subcontractor set wood utility pole for meter post and placed the disconnect and meter channel per contract and power companys specifications.
All Work Complete.
Therefore, Pay Item 950.01 (670.53070104) - POWER POINT DISCONNECT ASSEMBLY (EA) 1 EA FINAL

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON			1		Kamatsu PC 138USLC					
LABORER			4		Cat 315 Excavator				1	
EQUIP. OPERATOR			1		Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: October 26, 2022

Day of Week: S M T W T F S

Sheet No. 1 of 1 DWR No. 100

	AM		PM	
Weather	Cloudy		Rain	
Temperature	55	° F	57	° F

CONTRACTOR WORK HOURS: 0700 TO 1600

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

First day of work on Road B extension Sta. B15+00 - B20+32 +/-.

Item 201.06 - CLEARING AND GRUBBING (LS) - Prime cleared debris and vegetation using a 228 PC excavator. Materials removed were transported to spoil area previously designated and approved by ECIDA and DEC.
Work incomplete.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 10/26/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 228 LC		1			
LABORER	2				Cat 315 Excavator					
EQUIP. OPERATOR	1				Dump Trucks		1			
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: October 27, 2022

Day of Week: S | M | T | W | X | F | S

Sheet No. 1 of 1 DWR No. 101

	AM		PM	
Weather	Clear		Clear	
Temperature	43	° F	48	° F

CONTRACTOR WORK HOURS: 0700 TO 1600

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Item 201.06 - CLEARING AND GRUBBING (LS) - Prime cleared debris and vegetation using a 228 PC excavator. Materials removed were transported to spoil area previously designated and approved by ECIDA and DEC.
All work Complete.
Therefore, Pay Item 201.06 - CLEARING AND GRUBBING (LS): 1 LS FINAL

Item 202.19 - REMOVAL OF SUBSTRUCTURES (CY) - Prime began removal of structural concrete foundation from within the roadway area using a Kamatsu 330 PC with a TRAM breaker. Concrete removed was transported to contractors yard for crushing. Care was exersised to remove only clean concrete and no dirt from site.
All work Complete.
Therefore, Pay Item 202.19 - REMOVAL OF SUBSTRUCTURES (CY):
Areas removed:

Sta.	L	W	D
16+65-16+80	15'	3'	6' = 270 SQ-FT
16+55	4'	3'	5' = 60 SQ-FT
TOTAL			330 SQ-FT / 27 CY/SF = 12.22 CY FINAL

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
201.06				LS	1.00		Road B extension		
202.19				CY	12.22		16+55 - 16+80		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 10/27/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

MURK 1 REVERSE
(06/08)

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 138USLC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: October 28, 2022

Day of Week: S M T W T F S

Sheet No. 1 of 1 DWR No. 102

	AM		PM	
Weather	Other		Other	
Temperature		° F		° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

No work Performed.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 10/28/22

Reviewed by: _____ ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed: _____

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 228 LC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: October 31, 2022

Day of Week: S [X] M T W T F S

Sheet No. 1 of 1 DWR No. 103

	AM		PM	
Weather	Rain		Cloudy	
Temperature	54	° F	61	° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime graded subgrade and placed previously removed material from the on site spoils pile to bring subgrade to proper elevation.

Item 203.02 - Unclassified Excavation and Disposal (CY) - Prime excavated material to grade and placed in low areas while looking for underlying structural concrete using a Kamatsu 228 Excavator. Work incomplete

Item 203.03 - Embankment in Place (CY) - Prime transported previously excavated materail from on site spoils pile to bring low subgrade areas to proper subgrade elevation. Work incomplete.

Note:
16" gas line was exposed and an elevation of the top side was determined to be 580.13. The gas line pases through the proposed drainage structure #24. Information was given to the designer and a solution of moving the drainage structure #24 and #23 to Sta. B20+20. It was also necessary to lower the structure by 6" and the 18" SICPP to the south to a invert of 277.04. Drainage structure #23 inverts will remain per plan. This was necessary to have to 18" SICPP to

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
202.19				CY	2.16		20+08 LT & RT		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 10/31/22

Reviewed by: _____ ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed: _____

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)
the south pass under the existing gas line.
See E-mail of MFL 10/31.

Item 202.19 - REMOVAL OF SUBSTRUCTURES (CY) - Prime removed concrete substructure at Sta. 20+08 LT and RT using a Kamatsu 338 PC w/ a Tram breaker. Concrete removed was transported to contractors yard for crushing. Care was exercised to remove only clean concrete and no dirt from site.
All work Complete.
Therefore, Pay Item 202.19 - REMOVAL OF SUBSTRUCTURES (CY):
B20+08 LT & RT (10"W x 2'D x 35'L) / 27 CY/CF = 2.16 CY

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 228 LC		1			
LABORER	3				Cat 315 Excavator		1			
EQUIP. OPERATOR	1				Dump Trucks		2			
TRUCK DRIVERS					CAT D5G LGP Dozer		1			
IRONWORKERS					Ingersoll-Rand Earth Roller		1			
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: November 01, 2022

Day of Week: S | M | [X] | W | T | F | S

Sheet No. 1 of 2 DWR No. 104

	AM		PM	
Weather	Cloudy		Cloudy	
Temperature	55	° F	55	° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime set Drainage structures #15,16,17,18 and 18"SICPP on the west side of Road B extension.

Item 203.07 - SELECT GRANULAR FILL (CY) - Prime placed select granular fill to a depth of 1' above 18" SICPP pipes and around each installed drainage structure.
All work complete.
Therefore, Pay Item 203.07 - SELECT GRANULAR FILL (CY):
DS B16 to DS B18 - 18": (4.5' x 3.2' x 118 LF - (pipe dia of 1.77 SF/1')) = 1490.34 CF / 27 CF/CY = 55.20 CY
DS B15 to DS B16 - 15": (3.75' x 2.25' x 19.50 LF - (pipe dia. 1.22 SF/1')) = 140.74 CF / 27 CF/CY = 5.21 CY
DS B17 to DS B18 - 15": (3.75' x 2.25' x 19.50 LF - (pipe dia. 1.22 SF/1')) = 140.74 CF / 27 CF/CY = 5.21 CY
DS B15: ((4.58D x 8.35W x 8.35L) - (4.58D x 4.35W x 4.35L)) / 27 CF/CY = 8.62 CY
DS B16: ((4.83D x 8.35W x 8.35L) - (4.83D x 4.35W x 4.35L)) / 27 CF/CY = 9.09 CY
DS B17: ((4.58D x 8.35W x 8.35L) - (4.58D x 4.35W x 4.35L)) / 27 CF/CY = 8.62 CY
DS B18: ((4.83D x 8.35W x 8.35L) - (4.83D x 4.35W x 4.35L)) / 27 CF/CY = 9.09 CY
TOTAL = 55.20 + 5.21 + 5.21 + 8.62 + 9.09 + +8.62 + 9.09 = 101.04 CY FINAL

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
203.07				CY	101.04		DSB15,B16,B17,B18&PipingB15-B16,B16-B18,B17-18		
206.0201				CY	132.81		DSB15,B16,B17,B18&PipingB15-B16,B16-B18,B17-18		
E555.0105				EA	3.00		Var. Locations		
603.9815				LF	45.20		DS B16 to B15, DS B18 to B17		
603.9818				LF	122.00		DS B16 to DS B18		
604.300103				LF	18.82		DS B15, B16, B17, B18		
625.01				LS	0.30		Road B extension		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 11/1/22

Reviewed by: _____ ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed: _____

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)

Item 206.0201 - TRENCH AND CULVERT EXCAVATION (CY) - Prime excavated for drainage structures B15,B16,B17,B18 and excavated for piping between structures using a CAT 315 track excavator with a 3' bucket. Prime excavated to bottom of structure depth and placed excavated material to the side on top of existing previously excavated material for later use as subgrade material.

Therefore, Pay item 206.0201 - TRENCH AND CULVERT EXCAVATION (CY):

B15: 4.58D x 8.35W x 8.35L / 27 CF/CY = 11.83 CY

B16: 4.83D x 8.35W x 8.35L / 27 CF/CY = 12.47 CY

B17: 4.58D x 8.35W x 8.35L / 27 CF/CY = 11.83 CY

B18: 4.83D x 8.35W x 8.35L / 27 CF/CY = 12.47 CY

18" DS B16 - DS B18 = (118.00 LF x 4.5'W x 3.41' Avg. depth) / 27 = 67.09 CY

15" DS B2 - DS B4 = (19.50 LF x 3.75'W x 3.16' Avg. depth) / 27 = 8.56 CY

15" DS B4 - DS B6 = (19.50 LF x 3.75'W x 3.16' Avg. depth) / 27 = 8.56 CY

TOTAL = 11.83 + 12.47 + 11.83 + 12.47 + 67.09 + 8.56 + 8.56 = 132.81 CY FINAL

Item E555.0105 - PLUGGING ABANDONED PIPES (EA) - During excavation for the structures and associated piping, Prime cut and removed abandoned piping as needed. Piping that remained in placed was plugged using grout and concrete blocks were needed.

All work complete.

Therefore, Pay Item E555.0105 - PLUGGING ABANDONED PIPES (EA): 3 EA FINAL

Item 603.9815 - SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN PIPE 15 INCH DIA. (LF) - Prime placed 15" pipe 4" into each structure and secured pipe into the structure by placement of type S mortar and concrete paver bricks, cut to size. Structure opening was then parged using type S mortar. Pipe continued to be placed to grade per-contract. Each pipe joint was lubricated per manufactures direction and inserted to the point (home) full insertion. Piping was placed between DS B16 and B15, DS B18 and B17

All work complete.

Therefore, Pay Item 603.9815 - SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN PIPE 15 INCH DIA. (LF): 22.60' + 22.60' = 45.20 LF FINAL

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 228 LC		1			
LABORER	3				Cat 315 Excavator		1			
EQUIP. OPERATOR	1				Dump Trucks		2			
TRUCK DRIVERS					CAT D5G LGP Dozer		1			
IRONWORKERS					Ingersoll-Rand Earth Roller		1			
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1 - 1
(06/08)

DAILY WORK REPORT - DESCRIPTION CONTINUATION

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: November 01, 2022

Day of Week: S M [X] W T F S

Sheet No. 2 of 3 DWR No. 104

	AM		PM	
Weather				
Temperature				

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Item 603.9818 - SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN PIPE 18 INCH DIA. (LF) - Prime placed 122.00 LF of 18" SICPP pipe 4" into DS B16 and secured pipe into the structure by placement of type S mortar and concrete paver bricks, cut to size. Structure opening was then parged using type S mortar. Pipe continued to be placed to grade per-contract in 20' lengths to DS B18 Each pipe joint was lubricated per manufactures direction and inserted to the point (home) full insertion.

All work complete.

Therefore, Pay item 603.9818 - SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN PIPE 18 INCH DIA. (LF): 122.00 LF Final

Item 604.300103 - DRAINAGE STRUCTURE TYPE A (LF)- Prime set Drainage structures B15, B16, B17, B18 at proper location and elevation per contract plan. All openings were grouted with type S mortar. Top was set on a bed of mortar.

All work complete.

Item 604.300103 - DRAINAGE STRUCTURE TYPE A (LF): Payment per Approved Shop Drawing.

Drainage Structure B15 = 4.58 LF

Drainage Structure B16 = 4.83 LF

Drainage Structure B17 = 4.58 LF

Drainage Structure B18 = 4.83 LF

TOTAL = 18.82 LF FNAL

Item 605.1001 - Underdrain Filter, Type 2 (CY) - Prime placed select granular fill over underdrain pipe as the pipe is being placed in same trench and along with the 18" SCIPP. Prime will be paid at the higher rate of Underdrain Fliter Material and will place underdrain filter fabric on the east side underdrain at no additional cost.

No payment for Item 206.0201-Trench and Culvert will be made for placement of the underdrain pipe when placed in same trench as SICPP pipes.

All work complete.

Therefore, Pay Item 605.1001 - Underdrain Filter, Type 2 (CY):

((125 LF - 8 LF (at structures)) x 1.5 W x 1.33 D) / 27 CF/CY = 8.72 CY

Inspector's Initials: MES

MURK 1-1
(06/08)

DAILY WORK REPORT - DESCRIPTION CONTINUATION

Item 605.1702 - Optional Underdrain Pipe 6" Dia. (LF) - Prime placed underdrain pipe on the west side in same trench along with 18" SICPP. No item 605.1001-Underdrain Filter was used along this run due to select fill being placed for pipe and underdrain in the same operation.
Prime placed 122 LF of underdrain pipe between DS B16 and DS B18. Each underdrain section was terminated in the drainage structure and grouted into place.
All work complete
Therefore, Pay Item 605.1702 - Optional Underdrain Pipe 6" Dia. (LF): 122.00 LF FINAL

Item 625.01 - SURVEY OPERATIONS (LS) - Subcontractor GPI placed grade stakes, Drainage Structure grade stakes and sectioned subgrade.
Work incomplete.
Pay Item 625.01 - SURVEY OPERATIONS (LS): additional 30% of new contract quantity.

Inspector's Initials: MES

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: November 02, 2022

Day of Week: S | M | T | W | T | F | S

Sheet No. 1 of 1 DWR No. 105

	AM		PM	
Weather	Clear		Clear	
Temperature	52	° F	66	° F

CONTRACTOR WORK HOURS: 0700 TO 1900

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime set Drainage structures #24 and 18"SICPP on the west side of Road B extension.

Item 202.19 - REMOVAL OF STUBSTRUCTURES (CY) - Prime removed structural concrete from Sta. B20+10 to B20+40 Lt and RT. Structural concrete removed was to set DS #B24 and associated piping. Additional concrete will be removed to accommodate roadway and drainage ditch along Odell St. Extension.
Work incomplete. See future report for payment.

Item 203.07 - SELECT GRANULAR FILL (CY) - Prime Set DS B24 and 18" SICPP along the west side between DS B24 and DS B18, Piping was not placed where structures B20 and B22. These structures have not arrived on site.
Work incomplete. See future Report for Payment.

Item 206.0201 - TRENCH AND CULVERT EXCAVATION (CY) - Prime excavated for DS B24 and 18" SICPP piping on the West Side between DS B24 and DS B18, Piping was not placed where structures B20 and B22. These structures have not arrived on site.
Work incomplete. See future Report for Payment.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
950.02				LF	6.96		DS B24		
E555.0105				EA	2.00		DS B24 to DS B18		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 11/2/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)

Item E555.0105 - PLUGGING ABANDONED PIPES (EA) - During excavation for the structures and associated piping, Prime cut and removed abandoned piping as needed. Piping that remained in placed was plugged using grout and concrete blocks were needed.
All work complete.
Therefore, Pay Item E555.0105 - PLUGGING ABANDONED PIPES (EA): 2 EA FINAL

Item 603.9818 - SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN PIPE 18" DIA. (LF) - Prime placed 18" SICPP piping on the West Side between DS B24 and DS B18, Piping was not placed where structures B20 and B22. These structures have not arrived on site.
Work incomplete. See future Report for Payment.

Item 950.02 - DRAINAGE STRUCTURE TYPE I (LF) - Prime set DS B24 at new location Sta. 20 +20 14' LT and elevation (0.5' lower then designed) per engineer to avoid 16" gas line. This required the contractor to alter the opening for the 18" SICPP pipe to the south. Prime saw cut structure to new invert elevation. This work is considered added work and will be included in the price of the structure. Prime set pipe and blocked and grouted openings.
All work Complete.
Therefore, Pay Item 950.02 - DRAINAGE STRUCTURE TYPE I (LF): 6.96 LF FINAL

Note:
A underground vault was uncovered at Sta. 20+20 to Sta. 20+35 Lt and Rt. The structural concrete was removed to the extent practicality to avoid future damage to work completed in this phase. A tunnel 12' deep was uncovered that adjoined the vault area. This tunnel was filled with a gypsum slurry that was still in a salable state. Contractor was instructed to remove the material to the depth of the tunnel, remove the roof and the south wall to a depth of 2' below the finished subgrade. Contractor will then fill the remaining vault and tunnel with spoil material from the on site spoil pile.
This work is considered added work and will be paid under each appropriate item.
A 6" water pump was used to dewater excavation at DS B24 (24 Hrs.)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 228 LC		1			
LABORER	3				Cat 315 Excavator		1			
EQUIP. OPERATOR	1				Dump Trucks		2			
TRUCK DRIVERS					CAT D5G LGP Dozer		1			
IRONWORKERS					Ingersoll-Rand Earth Roller		1			
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1 - 1
(06/08)

DAILY WORK REPORT - DESCRIPTION CONTINUATION

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: November 02, 2022

Day of Week: S M T ~~W~~ T F S

Sheet No. 2 of 2 DWR No. 105

	AM		PM	
Weather				
Temperature				

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Item 605.1001 - Underdrain Filter, Type 2 (CY) - Prime placed select granular fill over underdrain pipe as the pipe is being placed in same trench and along with the 18" SCIPP. Prime will be paid at the higher rate of Underdrain Fliter Material and will place underdrain filter fabric on the east side underdrain at no additional cost.
No payment for Item 206.0201-Trench and Culvert will be made for placement of the underdrain pipe when placed in same trench as SICPP pipes.
Underdrain Piping was not placed where structures B20 and B22. These structures have not arrived on site.
Work incomplete. See future Report for Payment.

Item 605.1702 - OPTIONAL UNDERDRAIN PIPE 6" DIA. (LF) - Prime placed underdrain pipe on the west side in same trench along with 18" SICPP. No item 605.1001-Underdrain Filter was used along this run due to select fill being placed for pipe and underdrain in the same operation.
Underdrain Piping was not placed where structures B20 and B22. These structures have not arrived on site.
Work incomplete. See future Report for Payment.

Inspector's Initials: MES

MURK 1-1
(06/08)

DAILY WORK REPORT - DESCRIPTION CONTINUATION

Inspector's Initials: MES

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: November 03, 2022

Day of Week: S | M | T | W | X | F | S

Sheet No. 1 of 4 DWR No. 106

	AM		PM	
Weather	Clear		Clear	
Temperature	43	° F	63	° F

CONTRACTOR WORK HOURS: 0700 TO 1900

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime set Drainage structures #19,20,21,22,23, and 15" & 18"SICPP on the west side of Road B extension.

Item 203.07 - SELECT GRANULAR FILL (CY) - Prime Set DS #'s B20, B21, B22, B23, 15" & 18" SICPP Pipes using a 315 Cat Excavator.
All work Complete.
Therefore Pay Item 203.07 - SELECT GRANULAR FILL (CY):
DS B18 to DS B20 - 18": (4.5' x 3.2' x 118 LF - (pipe dia of 1.77 SF/1')) = 1490.34 CF / 27 CF/CY = 55.20 CY
DS B20 to DS B22 - 18": (4.5' x 3.2' x 118 LF - (pipe dia of 1.77 SF/1')) = 1490.34 CF / 27 CF/CY = 55.20 CY
DS B22 to DS B24 - 18": (4.5' x 3.2' x 113.5 LF - (pipe dia of 1.77 SF/1')) = 1433.51 CF / 27 CF/CY = 53.09 CY
DS B24 to Ditch - 18": (4.5' x 3.2' x 30 LF - (pipe dia of 1.77 SF/1')) = 378.90 CF / 27 CF/CY = 14.03 CY

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
203.07					251.50		DS 19,20,21,22,23,& 15" SICPP DS 19to20, 21to22,		
							23to24 & 18"SICPP DS18to20,20to22,22to24to Ditch		
206.0201					354.01		DS 19,20,21,22,23,& 15" SICPP DS 19to20, 21to22,		
							23to24 & 18"SICPP DS18to20,20to22,22to24to Ditch		
E555.0105					2.00		Various Locations		
603.9815					67.98		DS 19to20, 21to22, 23to24		
603.9818					395.50		DS 18to20, 20to22, 22to24, 24to Ditch		
604.300103					23.40		DS 18,19,20,22,23		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 11/3/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)
DS B19 to DS B20 - 15": (3.75' x 2.25' x 19.50 LF - (pipe dia. 1.22 SF/1')) = 140.74 CF / 27 CF/CY = 5.21 CY
DS B21 to DS B22 - 15": (3.75' x 2.25' x 19.50 LF - (pipe dia. 1.22 SF/1')) = 140.74 CF / 27 CF/CY = 5.21 CY
DS B23 to DS B24 - 15": (3.75' x 2.25' x 19.50 LF - (pipe dia. 1.22 SF/1')) = 140.74 CF / 27 CF/CY = 5.21 CY
DS B19: ((4.58D x 8.35W x 8.35L) - (4.58D x 4.35W x 4.35L)) / 27 CF/CY = 8.62 CY
DS B20: ((4.83D x 8.35W x 8.35L) - (4.83D x 4.35W x 4.35L)) / 27 CF/CY = 9.09 CY
DS B21: ((4.58D x 8.35W x 8.35L) - (4.58D x 4.35W x 4.35L)) / 27 CF/CY = 8.62 CY
DS B22: ((4.83D x 8.35W x 8.35L) - (4.83D x 4.35W x 4.35L)) / 27 CF/CY = 9.09 CY
DS B23: ((4.58D x 8.35W x 8.35L) - (4.58D x 4.35W x 4.35L)) / 27 CF/CY = 8.62 CY
DS B24: ((6.58D x 8.35W x 10.33L) - (6.58D x 4.35W x 6.33L)) / 27 CF/CY = 14.31 CY
TOTAL = 251.50 CY FINAL

Item 206.0201 - TRENCH AND CULVERT EXCAVATION (CY) - Prime excavated for Drainage structures and associated piping using a 315 Cat Excavator. Material removed was set aside for later use as embankment for subgrade.
All work Complete.
Therefore, Pay Item 206.0201 - TRENCH AND CULVERT EXCAVATION (CY):
DS B18 to DS B20 - 18": (4.5'W x 3.2'D x 118 LF) = 1699.20 CF / 27 CF/CY = 62.93 CY
DS B20 to DS B22 - 18": (4.5'W x 3.2'D x 118 LF) = 1699.20 CF / 27 CF/CY = 62.93 CY
DS B22 to DS B24 - 18": (4.5'W x 4.65'D x 113.5 LF) = 2374.99 CF / 27 CF/CY = 87.96 CY
DS B24 to Ditch - 18": (4.5'W x 8.1'D x 30 LF)= 1093.50 CF / 27 CF/CY = 40.50 CY
DS B19 to DS B20 - 15": (3.75'W x 2.25'D x 19.50 LF = 164.53 CF / 27 CF/CY = 6.09 CY
DS B21 to DS B22 - 15": (3.75'W x 2.25'D x 19.50 LF = 164.53 CF / 27 CF/CY = 6.09 CY
DS B23 to DS B24 - 15": (3.75'W x 2.25'D x 19.50 LF = 164.53 CF / 27 CF/CY = 6.09 CY

DS B19: (4.58D x 8.35W x 8.35L) / 27 CF/CY = 11.82 CY
DS B20: (4.83D x 8.35W x 8.35L) / 27 CF/CY = 12.47 CY
DS B21: (4.58D x 8.35W x 8.35L) / 27 CF/CY = 11.82 CY

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 228 LC		1			
LABORER	3				Cat 315 Excavator		1			
EQUIP. OPERATOR	1				Dump Trucks		2			
TRUCK DRIVERS					CAT D5G LGP Dozer		1			
IRONWORKERS					Ingersoll-Rand Earth Roller		1			
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1 - 1
(06/08)

DAILY WORK REPORT - DESCRIPTION CONTINUATION

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: November 03, 2022

Day of Week: S | M | T | W | X | F | S

Sheet No. 2 of 4 DWR No. 106

	AM		PM	
Weather				
Temperature				

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

DS B22: (4.83D x 8.35W x 8.35L) / 27 CF/CY = 12.47 CY

DS B23: (4.58D x 8.35W x 8.35L) / 27 CF/CY = 11.82 CY

DS B24: (6.58D x 8.35W x 10.33L) / 27 CF/CY = 21.02 CY

TOTAL = 354.01 CY FINAL

Item E555.0105 - PLUGGING ABANDONED PIPES (EA) - During excavation for the structures and associated piping, Prime cut and removed abandoned piping as needed. Piping that remained in placed was plugged using grout and concrete blocks where needed.

All work complete.

Therefore, Pay Item E555.0105 - PLUGGING ABANDONED PIPES (EA): 2 EA FINAL

Item 603.9815 - SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN PIPE 15" DIA. (LF) - Prime placed 15" pipe 4" into each structure and secured pipe into the structure by placement of type S mortar and concrete paver bricks, cut to size. Structure opening was then parged using type S mortar. Pipe continued to be placed to grade per-contract. Each pipe joint was lubricated per manufactures direction and inserted to the point (home) full insertion. Piping was placed between DS B19 and B20, DS B21 and B22, DS B23 and B24

All work complete.

Therefore, Pay Item 603.9815 - SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN PIPE 15 INCH DIA. (LF):

DS B19 and B20 = 22.66 LF

DS B21 and B22 = 22.66 LF

DS B23 and B24 = 22.66 LF

TOTAL = 67.98 LF FINAL

Item 603.9818 - SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN PIPE 18" DIA. (LF) - Prime placed 18" pipe 4" into each structure and secured pipe into the structure by placement of type S mortar and concrete paver bricks, cut to size. Structure opening was then parged using type S mortar. Pipe continued to be placed to grade per-contract.

Inspector's Initials: MES

DAILY WORK REPORT - DESCRIPTION CONTINUATION

Each pipe joint was lubricated per manufactures direction and inserted to the point (home) full insertion. Piping was placed between DS B18 and B20, DS B20 and B22, DS B22 and B24, B24 to Ditch

All work Complete.

Therefore, Pay Item 603.9818 - SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN PIPE 18" DIA. (LF)

DS B18 and B20 = 123.5 LF

DS B20 and B22 = 123.5 LF

DS B22 and B24 = 118.5 LF

DS B24 to Ditch = 30 LF

TOTAL = 395.50 LF FINAL

Item 604.300103 - DRAINAGE STRUCTURE TYPE A (LF) - Prime set Drainage Structures B19, B20, B21, B22, B23, using a Kamatsu PC 228 LC Excavator. Structures were set on a bed of stone and leveled to grade.

All work complete.

Therefore, Pay Item 604.300103 - DRAINAGE STRUCTURE TYPE A (LF):

B19 = 4.58

B20 = 4.83

B21 = 4.58

B22 = 4.83

B23 = 4.58

TOTAL = 23.40 LF FINAL

Item 605.1001 - UNDERDRAIN FILTER, TYPE 2 (CY) - Prime placed select granular fill over underdrain pipe as the pipe is being placed in same trench and along with the 18" SCIPP.

Prime will be paid at the higher rate of Underdrain Fliter Material and will place underdrain filter fabric on the east side underdrain at no additional cost.

No payment for Item 206.0201-Trench and Culvert will be made for placement of the underdrain pipe when placed in same trench as SICPP pipes.

All work complete.

Payment for this work is included in Item 203.07 - SELECT GRANULAR FILL for the 18" SICPP

DS B18 and B20 = (123.5 LF x 1.5 W x 1.33 D) / 27 CF/CY = 9.13 CY

DS B20 and B22 = (123.5 LF x 1.5 W x 1.33 D) / 27 CF/CY = 9.13 CY

DS B22 and B24 = (113.5 LF x 1.5 W x 1.33 D) / 27 CF/CY = 8.33 CY

TOTAL = 26.59 CY FINAL

Inspector's Initials: MES

MURK 1 - 1
(06/08)

DAILY WORK REPORT - DESCRIPTION CONTINUATION

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: November 03, 2022

Day of Week: S M T W [X] F S

Sheet No. 3 of 4 DWR No. 106

	AM		PM	
Weather				
Temperature				

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Item 605.1702 - Optional Underdrain Pipe 6" Dia. (LF) - Prime placed underdrain pipe on the west side in same trench along with 18" SICPP. No item 605.1001-Underdrain Filter was used along this run due to select fill being placed for pipe and underdrain in the same operation.

Prime placed 360.50 LF of underdrain pipe between DS B18 and DS B24. Each underdrain section was terminated in the drainage structure and grouted into place.

All work complete

Therefore, Pay Item 605.1702 - Optional Underdrain Pipe 6" Dia. (LF):

DS B16 and B18 = 122.00 LF

DS B18 and B20 = 123.50 LF

DS B20 and B22 = 123.50 LF

DS B22 and B24 = 113.50 LF

TOTAL = 482.50 LF FINAL

Item 202.19 - REMOVAL OF STUBSTRUCTURES (CY) - Prime removed structural concrete between Sta. B20+10 and B20+40 LT and RT. Prime removed concrete to the required depth for the locations needed. Concrete was removed to contractors yard for disposal. No dirt was removed with concrete.

All quantities within this aera area being reported at this time.

See attached sketch of areas.

All work complete. Therefore, Pay Item 202.19 - REMOVAL OF STUBSTRUCTURES (CY):

361.10 CY FINAL

NOTE:

Phil and Talia on site to view uncovered tunnel with slurry in it.

3 loads of oversized crushed concrete were used to fill voids from slurry removal and vault areas.

Inspector's Initials: MES

MURK 1-1
(06/08)

DAILY WORK REPORT - DESCRIPTION CONTINUATION

Inspector's Initials: MES

MURK 1-2
(06/08)

DAILY WORK REPORT - CONTRACT PAY ITEM CONTINUATION

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: November 03, 2022

Day of Week: S | M | T | W | X | F | S

Sheet No. 4 of 4 DWR No. 106

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
605.1001					26.59		DS 18to20, 20to22, 22to24		
605.1702					482.50		DS 16to18, 18to20, 20to22, 22to24		
202.19					361.10		Sta. 20+10 - 20+40 LT & RT		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 11/3/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

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MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: November 04, 2022

Day of Week: S | M | T | W | T | F | S

Sheet No. 1 of 2 DWR No. 107

	AM		PM	
Weather	Clear		Clear	
Temperature	40	° F	62	° F

CONTRACTOR WORK HOURS: 0700 TO 1900

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime removed Slurry from exposed tunnel at Sta. 20+34 LT and Rt. and backfilled. This is considered extra work and will be paid under appropriate items. Prime placed underdrain along the east side and connect to underdrain from Road B DS #' 13 and 14 then graded subgrade for subbase placement.

Item 206.0201 - TRENCH AND CULVERT EXCAVATION (CY) - Prime excavated using a 315 Cat Excavator from DS B15 to DS B23 on the east side to install 6" underdrain pipe. Prime also connected existing underdrain pipe from Road B Sta.15+00 LT and RT to new DS #B15 and 16. Prime placed filter fabric around trench for underdrain pipe. No payment for this will be made. The material costs are included with the cost of the underdrain filter stone.
All Work Complete.
Therefore, Pay Item 206.0201 - TRENCH AND CULVERT EXCAVATION (CY)
DS B15 and B17 = (122 LF x 1.5 W x 1.33 D) / 27 CF/CY = 9.01 CY
DS B17 and B19 = (123.50 LF x 1.5 W x 1.33 D) / 27 CF/CY = 9.13 CY
DS B19 and B21 = (123.50 LF x 1.5 W x 1.33 D) / 27 CF/CY = 9.13 CY
DS B21 and B23 = (115.5 LF x 1.5 W x 1.33 D) / 27 CF/CY = 8.53 CY
Sta. 15+00 to DS B15 = (24.5 LF x 1.5 W x 1.33 D) / 27 CF/CY = 1.81 CY
Sta. 15+00 to DS B16 = (24.5 LF x 1.5 W x 1.33 D) / 27 CF/CY = 1.81 CY

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
206.0201				CY	39.42		DS B15toB17,B17toB19,B19toB21,B21toB23,Road B		
605.1702				LF	533.50		DS B15toB17,B17toB19,B19toB21,B21toB23,Road B		
605.1001				CY	39.42		DS B15toB17,B17toB19,B19toB21,B21toB23,Road B		
203.02				CY	124.91		Tunnel Sta. 20+34, Vault Sta. 20+34		
203.03				CY	150.10		Tunnel Sta. 20+34, Vault Sta. 20+34		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 11/4/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)

TOTAL = 39.42 CY FINAL

Item 605.1702 - Optional Underdrain Pipe 6" Dia. (LF) - Prime placed underdrain pipe on the east side. Item 605.1001-Underdrain Filter was not placed along this run due to select fill being placed for underdrain stone in the same operation.
Prime placed 360.50 LF of underdrain pipe between DS B18 and DS B24. Each underdrain section was terminated in the drainage structure and grouted into place.
All work complete
Therefore, Pay Item 605.1702 - Optional Underdrain Pipe 6" Dia. (LF):
DS B15 and B17 = 122 LF
DS B17 and B19 = 123.50 LF
DS B19 and B21 = 123.50 LF
DS B21 and B23 = 115.5 LF
Sta. 15+00 to DS B15 = 24.5 LF
Sta. 15+00 to DS B16 = 24.5 LF
TOTAL = 533.50 LF FINAL

Item 605.1001 - UNDERDRAIN FILTER, TYPE 2 (CY) - Prime placed select fill (item 203.07) in loo of Underdrain filter stone as per agreement. This work will be paid under item 605.1001.
Underdrain filter fabric was used on this side of the roadway at no cost.
All work Complete.
Therefore, Pay Item 605.1001 - UNDERDRAIN FILTER, TYPE 2 (CY):
DS B15 and B17 = (122 LF x 1.5 W x 1.33 D) / 27 CF/CY = 9.01 CY
DS B17 and B19 = (123.50 LF x 1.5 W x 1.33 D) / 27 CF/CY = 9.13 CY
DS B19 and B21 = (123.50 LF x 1.5 W x 1.33 D) / 27 CF/CY = 9.13 CY
DS B21 and B23 = (115.5 LF x 1.5 W x 1.33 D) / 27 CF/CY = 8.53 CY
Sta. 15+00 to DS B15 = (24.5 LF x 1.5 W x 1.33 D) / 27 CF/CY = 1.81 CY
Sta. 15+00 to DS B16 = (24.5 LF x 1.5 W x 1.33 D) / 27 CF/CY = 1.81 CY
TOTAL = 35.80 CY FINAL

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 228 LC		1			
LABORER	3				Cat 315 Excavator		1			
EQUIP. OPERATOR	1				Dump Trucks		2			
TRUCK DRIVERS					CAT D5G LGP Dozer		1			
IRONWORKERS					Ingersoll-Rand Earth Roller		1			
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1 - 1
(06/08)

DAILY WORK REPORT - DESCRIPTION CONTINUATION

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: November 04, 2022

Day of Week: S | M | T | W | T | F | S

Sheet No. 2 of 2 DWR No. 107

	AM		PM	
Weather				
Temperature				

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Item 203.02 - UNCLASSIFIED EXCAVATION AND DISPOSAL (CY) - Prime excavated slurry material from tunnel and vault areas using a Kamatsu PC 228 LC excavator. materialswas placed in approved on site spoils pile.
All work complete.
Therefore, Pay Item 203.02 - UNCLASSIFIED EXCAVATION AND DISPOSAL (CY):
Tunnel: 30'L x 8'W x 12'D / 27 cf/cy = 106.66 CY
Vault: 10'L x 10'W x 4.93'D / 27 cf/cy = 18.25 CY
TOTAL = 124.91 CY

Item 203.03 - EMBANKMENT-IN-PLACE (CY) - Prime backfilled with oversized crushed concrete mixed with spoils embankment material removed from other sites on project. material was compacted using a ram compactor on Kamatsu PC 228 LC excavator.
All work Complete.
Therefore, Pay Item 203.03 - EMBANKMENT-IN-PLACE (CY);
Tunnel: 30'L x 8'W x 14'D / 27 cf/cy = 124.44 CY
Vault: 10'L x 10'W x 6.93'D / 27 cf/cy = 25.67 CY
TOTAL = 150.10 CY

Inspector's Initials: MES

MURK 1-1
(06/08)

DAILY WORK REPORT - DESCRIPTION CONTINUATION

Inspector's Initials: MES

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: November 05, 2022

Day of Week: S M T W T F [X]

Sheet No. 1 of 1 DWR No. 108

	AM		PM	
Weather	Clear		Clear	
Temperature	64	° F	79	° F

CONTRACTOR WORK HOURS: 0700 TO 1900

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime Fine graded Subgrade using D6 dozer and gradder. Grades were check by the contractor during operation.
Grades will be rechecked after chariot style earth roller opertion is complete.
Work Incomplete. See future report for payment.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 11/5/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

MURK 1 REVERSE
(06/08)

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 228 LC		1			
LABORER	3				Cat 315 Excavator		1			
EQUIP. OPERATOR	1				Dump Trucks		2			
TRUCK DRIVERS					CAT D5G LGP Dozer		1			
IRONWORKERS					Ingersoll-Rand Earth Roller		1			
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: November 07, 2022

Day of Week: S [X] M T W T F S

Sheet No. 1 of 1 DWR No. 109

	AM		PM	
Weather	Clear		Clear	
Temperature	55	° F	45	° F

CONTRACTOR WORK HOURS: 0700 TO 1900

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime performed subgrade compaction testing by use of a chariot stype compaction roller. Equipment was pulled throughout the subgrade surface using a Kamatsu PC 228 LC excavator. No notable depresion or heaveys were noted during this operation.
See future report for embankment quantities.

Item E207.99 - SUBBASE REINFORCEMENT MATERIAL, LAYER 2 (SY) - Prime placed Layer 2 reinforcement material on top of subgrade. each roll was overlapped by a minimum of 6".
All work Complete.
Therefore, Pay Item E207.99 - SUBBASE REINFORCEMENT MATERIAL, LAYER 2 (SY):
Sta. 15+00 LT & RT to Sta. 20+20 LT and RT ((520 LF) x 28'W) /9 sy/sf = 1617.77 SY

Item 304.12 - SUBBASE COURSE, TYPE 2 (CY) - Prime placed approved subbase material using a Kamatsu PC 228 LC to cast material over the layer 2 reinforcement to a depth of 9". material was then graded using a D6 dozer to a rough grade. Then compacted using a Ingersoll Rand earth roller.
All Work Complete.
Therefore, Pay Item 304.12 - SUBBASE COURSE, TYPE 2 (CY):
Sta. 15+00 LT & RT to Sta. 20+40 LT and RT ((540 LF) x 28'W x .75 D) /27sy/sf = 420.00 CY

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
E2507.99				SY	1,617.77		Sta. 15+00 LT & RT to Sta. 20+20 LT		
304.12				CY	420.00		Sta. 15+00 LT & RT to Sta. 20+40 LT		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 11/7/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

MURK 1 REVERSE
(06/08)

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 228 LC		1			
LABORER	3				Cat 315 Excavator		1			
EQUIP. OPERATOR	1				Dump Trucks		2			
TRUCK DRIVERS					CAT D5G LGP Dozer		1			
IRONWORKERS					Ingersoll-Rand Earth Roller		1			
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: November 08, 2022

Day of Week: S | M | X | W | T | F | S

Sheet No. 1 of 1 DWR No. 110

	AM		PM	
Weather	Clear		Clear	
Temperature	37	° F	42	° F

CONTRACTOR WORK HOURS: 0700 TO 1900

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime finegraded subase using a earth grader and earth roller. Final grades were not checked at this time, as paving will not take place untill spring time.

Item 304.12 - SUBBASE COURSE, TYPE 2 (CY) - Prime placed additional subbase material a Sta. 15+65 RT for use as a plow turn around to be used by the City of Lackawanna.
All work Complete.
Therefore, Pay Item 304.12 - SUBBASE COURSE, TYPE 2 (CY):
40'L x 20'W x 9" D Avg. / 27 cf/cy = 22.22 CY

Item 645.5101 - GROUND MOUNTED SIGNS WITHOUT Z BARS (SF) - Prime set required signs Road B project. ("DEAD END", and "STOP") Signs were mounted to Type A post and set to 7' above ground.
All work Complete.
Therefore, Pay Item 645.5101 - GROUND MOUNTED SIGNS WITHOUT Z BARS (SF): 12.6 SF

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
645.5101				SF	12.60		30x30 signs x 2		
645.81				EA	2.00		Loc. 1 and 2		
304.12				CY	22.22		Plow Turn Around (temp)		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 11/8/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)
Item 645.81 TYPE A SIGN POSTS (EA) - Prime set posts with breakaway foundations at locations set by this engineer.
All work Complete.
Therefore, Pay Item 645.81 TYPE A SIGN POSTS (EA): 2.0 EA FINAL

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 228 LC		1			
LABORER	3				Cat 315 Excavator		1			
EQUIP. OPERATOR	1				Dump Trucks		2			
TRUCK DRIVERS					CAT D5G LGP Dozer		1			
IRONWORKERS					Ingersoll-Rand Earth Roller		1			
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: November 09, 2022

Day of Week: S | M | T | W | T | F | S

Sheet No. 1 of 1 DWR No. 111

	AM		PM	
Weather	Other		Other	
Temperature		° F		° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

No work Performed.

This report is to pay for miscellaneous items.

Item 203.02 - UNCLASSIFIED EXCAVATION AND DISPOSAL (CY) - Prime Removed excess material from roadway B Extension and placed in stock pile area previously approved for disposal of excavated material.
All work is complete.
Therefore, Pay Item 203.02 - UNCLASSIFIED EXCAVATION AND DISPOSAL (CY): 90% (863.70 x 90% = 777.33 CY) of contract quantity for Road B extension. Hold 10% for final survey.

Item 203.02 - UNCLASSIFIED EXCAVATION AND DISPOSAL (CY) - Prime Removed excess material from roadway B and placed in stock pile area previously approved for disposal of excavated material.
All work is complete.
Therefore, Pay Item 203.02 - UNCLASSIFIED EXCAVATION AND DISPOSAL (CY): 90% (3458.00 CY x 90% = 3112.20 CY) - Qty Paid 2618.18 CY = 494.02 CY to bring quantity paid to 90%. Hold 10% for final survey.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
203.02				CY	777.33		Sta. B15+00 to B20+40 LT & RT. 90%, Hold 10%		
203.02				CY	494.02		Sta. B0+15 to B15+00 LT & RT. 90%, Hold 10%		
203.03				CY	904.50		Sta. B15+00 to B20+40 LT & RT. 90%, Hold 10%		
203.03				CY	1,022.17		Sta. B0+15 to B15+00 LT & RT. 90%, Hold 10%		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 11/9/22

Reviewed by: _____ ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed: _____

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)

Item 203.03 - EMBANKMENT-IN-PLACE (CY) - Prime placed material from previously stock piled material from area previously approved for disposal of excavated material and graded to final subgrade elevation. Prime then compacted with a Ingersoll Rand SD 100F earth roller.
All Work complete.
Therefore, Pay Item 203.03 - EMBANKMENT-IN-PLACE (CY): 90% (1005.00 CY x 90% = 904.50 CY) of contract quantity for Road B extension. Hold 10% for final survey.

Item 203.03 - EMBANKMENT-IN-PLACE (CY) - Prime placed material from previously stock piled material from area previously approved for disposal of excavated material and graded to final subgrade elevation. Prime then compacted with a Ingersoll Rand SD 100F earth roller.
All Work complete.
Therefore, Pay Item 203.03 - EMBANKMENT-IN-PLACE (CY): 90% (7303.00 CY x 90% = 6572.70 CY) - Qty Paid 5550.53 CY = 1022.17 CY to bring quantity paid to 90%. Hold 10% for final survey.

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 228 LC		1			
LABORER	3				Cat 315 Excavator		1			
EQUIP. OPERATOR	1				Dump Trucks		2			
TRUCK DRIVERS					CAT D5G LGP Dozer		1			
IRONWORKERS					Ingersoll-Rand Earth Roller		1			
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: November 10, 2022

Day of Week: S M T W [X] F S

Sheet No. 1 of 1 DWR No. 112

	AM		PM	
Weather	Clear		Clear	
Temperature	45	° F	65	° F

CONTRACTOR WORK HOURS: 0700 TO 1700

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime excavated retention pit at Sta. B20+42, 40' LT. using a Kamatsu PC 228 LC excavator. Material removed was placed in stock pile area previously approved for disposal of excavated material. Structural Concrete removed was transported to E & R yard for disposal. All concrete removed was free of earth material. Size of retention pit was modified to fit the current conditions. The new size is 40' long by the 30' width at the top and 6' at the base.
All work complete.
See final survey and report for quantities.

Prime graded the curb area on the west side, using a Cat 315 Excavator, in preparation for the new concrete curb placement.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 11/10/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

MURK 1 REVERSE
(06/08)

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 228 LC		1			
LABORER	3				Cat 315 Excavator		1			
EQUIP. OPERATOR	1				Dump Trucks		2			
TRUCK DRIVERS					CAT D5G LGP Dozer		1			
IRONWORKERS					Ingersoll-Rand Earth Roller		1			
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: November 11, 2022

Day of Week: S | M | T | W | T | F | S

Sheet No. 1 of 1 DWR No. 113

	AM		PM	
Weather	Cloudy		Rain	
Temperature	54	° F	60	° F

CONTRACTOR WORK HOURS: 0700 TO 1700

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime graded the east side of the extension and placed temporary seeding.
Prime dilled and grouted re-bar in the top of drainage structures on the west side in preperation for curb placement.
Prime reset and completed (closed) silt sock sediment control.

Item 209.1003 - SEED AND MULCH (TEMPORARY) (SY) - Prime placed seeding and mulch using mechanical dispersement equipment on the east side of the roadway extension and in the retainage ditch location.
All work Complete.
Therefore, Pay Item 209.1003 - SEED AND MULCH (TEMPORARY) (SY):
Retainage Ditch; 100' x 80' = 8000 SF / 9 SF/SY = 888.89 SY
East side Sta. (B16+00 RT to B20+40 RT); 440' x 10' = 4400 SF / 9 SF/SY = 488.89 SY
TOTAL = 1377.78 SY FINAL

Item 209.13 - SILT FENCE (TEMPORARY) (LF) - Prime placed, reset and closed temporary silt sock on the east and west sides of the Road B extension. Silt sock was placed at the locations shown on the plans and staked every 20'. This silt fence to remain in place over the winter months.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
209.1003				SY	1,377.78		Ret. Ditch & B16+00 RT to B20+40 RT		
209.13				LF	1,200.00		B14+00 - B20+00 LT & RT		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 11/11/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)
All work complete.
Therefore, Pay Item 209.13 - SILT FENCE (TEMPORARY) (LF):
Sta. B14+00 - B20+00 LT & RT = 600 LF x 2 = 1200.00 LF FINAL

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 228 LC					
LABORER	3				Cat 315 Excavator		1			
EQUIP. OPERATOR	1				Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: November 14, 2022

Day of Week: S [X] M T W T F S

Sheet No. 1 of 1 DWR No. 114

	AM		PM	
Weather	Cloudy		Clear	
Temperature	28	° F	35	° F

CONTRACTOR WORK HOURS: 0700 TO 1530

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.
Subcontractor Spoth Enterprises pulled wire for street lighting between light pole foundation and to power disconnect.

Item 670.3001 - PULLBOX LESS THAN 5 CF INSIDE VOLUME (LIGHTING) - Subcontractor previously placed pullbox at Sta. B11+70, 30' LT. Subcontractor completed installation by mortaring pipe openings.
All work complete.
Therefore, Pay Item 670.3001 - PULLBOX LESS THAN 5 CF INSIDE VOLUME (LIGHTING):
1 EA FINAL

Item 670.7004 - SINGLE CONDUCTOR CABLE - 6 AWG (LF) - Subcontractor pulled 6 AWG between light pole foundations and from the pull box at Sta. B11+70, 30' LT to disconnect at Sta. B 11+70, 39' LT. Four single conductor wires were pulled simultaneously and pigtailed at each light pole foundation for splicing into pole wires.
All Work complete.
Therefore, Pay Item 670.7004 - SINGLE CONDUCTOR CABLE - 6 AWG (LF):
LP to LP; 1551 LF x 4 Conductors = 6204.00 LF
PB to Disconnect; 25 LF x 4 Conductors = 100 LF
TOTAL = 6304.00 LF FINAL

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
670.3001				LF	1.00		Sta. B11+70, 30' LT		
670.7004				LF	6,304.00		LP 1 to LP 8 & PB to Disconnect		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 11/14/22

Reviewed by: [ ] Engineer-in-Charge [ ] Resident Engineer Date Reviewed:

[ ] MURK 1-1 CONTINUATION attached for additional narrative. [ ] MURK 1-2 CONTINUATION attached for additional pay items & quantities.

MURK 1 REVERSE
(06/08)

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON			1		Kamatsu PC 228 LC					
LABORER			3		Cat 315 Excavator				1	
EQUIP. OPERATOR			1		Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: November 15, 2022

Day of Week: S | M | [X] | W | T | F | S

Sheet No. 1 of 1 DWR No. 115

	AM		PM	
Weather	Cloudy		Cloudy	
Temperature	34	° F	37	° F

CONTRACTOR WORK HOURS: 0700 TO 1530

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.
Subcontractor Spoth Enterprises Set street lighting poles, luminaire and Photo Cells. The arms for the luminaires were shipped with the wrong color and will need to be changed out.
The electrical system was connected to a gernerator and each luminaire was operational.

Item 670.00030104 - LED ROADWAY LUMINAIRE (EA) Subcontractor attached luminaire to each light pole by way of luminaire arm. Bolts were randumlly checked for tightness. Wiring was connected to the luminaire and fished down each pole.
All work complete.
Therefore, Pay Item 670.00030104 - L;ED ROADWAY LUMINAIRE (EA): 8 EA FINAL

Item 670.00040205 - ALUMINIUM ROADWAY LIGHT STANDARD FOR TOP MTD LED FIXTURE TYPE C (EA) - Subcontractor set light standards on previously placed concrete foundations, leveled, plumed and bolted each into place. Once placed, subcontractor spliced wires at each location and in pullbox.
All work Complete.
Therefore, Pay Item 670.00040205 - ALUMINIUM ROADWAY LIGHT STANDARD FOR TOP MTD LED FIXTURE TYPE C (EA): 8 EA Final

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
670.00030104				EA	8.00		LP 1 to LP 8		
670.00040205				LF	8.00		LP 1 to LP 8		
670.00040205				EA	-1.00		LP 1		
670.60				EA	8.00		LP 1 to LP 8		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 11/15/22

Reviewed by: [ ] Engineer-in-Charge [ ] Resident Engineer Date Reviewed:

[ ] MURK 1-1 CONTINUATION attached for additional narrative. [ ] MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)

Item 670.00040205 - ALUMINIUM ROADWAY LIGHT STANDARD FOR TOP MTD LED FIXTURE TYPE C (EA) - Subcontractor received wrong color arms for the luminaires. Therefore, 1 light pole will be held until lighting arms are corrected.

Therefore, Pay Item 670.00040205 - ALUMINIUM ROADWAY LIGHT STANDARD FOR TOP MTD LED FIXTURE TYPE C (EA): -1.0 EA FINAL

Item 670.60 - PHOTO ELECTRIC CONTROL (EA) - Subcontractor connect to each luminaire a photo electric control. Each control was tested during luminaire testing.

All work complete.

Therefore, Pay Item 670.60 - PHOTO ELECTRIC CONTROL (EA): 8.0 EA FINAL

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON			1		Kamatsu PC 228 LC					
LABORER			3		Cat 315 Excavator					
EQUIP. OPERATOR			1		Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: November 16, 2022

Day of Week: S | M | T | W | T | F | S

Sheet No. 1 of 1 DWR No. 116

	AM		PM	
Weather	Cloudy		Cloudy	
Temperature	33	° F	38	° F

CONTRACTOR WORK HOURS: 0700 TO 1530

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Subcontractor Balduchi Construction placed concrete curb on the west side of the Road B extension Once complete, curb was allowed to set and insulation blankets were then placed over the curb and weighted down for wind.

Item 609.04 - CAST-INPLACED CONCRETE CURB (LF) - Subcontractor began curb placement on the west side at Sta. B14+03 and continued to Sta. B20+22 (the north edge of DS 24). Curnb was checked for proper elevation thickness and off set during production. Subcontractor adjusted curb when required. Curb was then completed with a broom finish.
All work complete.
Therefore, Pay Item 609.04 - CAST-INPLACED CONCRETE CURB (LF): 619.00 LF FINAL

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
609.04				LF	619.00		Sta. B14+03 to Sta. B20+22 LT.		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 11/16/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON				1	Kamatsu PC 228 LC					
LABORER				3	Cat 315 Excavator					
EQUIP. OPERATOR				1	Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: November 17, 2022

Day of Week: S | M | T | W | X | F | S

Sheet No. 1 of 1 DWR No. 117

	AM		PM	
Weather	Other		Other	
Temperature		° F		° F

CONTRACTOR WORK HOURS: 0700 TO 1530

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

This report is for miscellaneous payments.

Item 619.01 - BASIC WORK ZONE TRAFFIC CONTROL (LS) -Prime removed all traffic control and opened road B on 11/16/22. Pay item to 100%
All work Complete
Therefore, Pay Item 619.01 - BASIC WORK ZONE TRAFFIC CONTROL (LS): 0.50 FINAL

Item 619.04 - CONSTRUCTION BARRICADES (LF) - All barricades were removed. Therefore pay 50% held from report #40.
Prime set barricades at locations AOBE. End of paved road, on DS 15, and at installed gate.
These will be paid in full at this time.
All work complete.
Therefore, Pay Item 619.04 - CONSTRUCTION BARRICADES (LF):
48 LF x 50% = 24 LF
5 barricades at 4' Ea = 20 LF
TOTAL = 44 LF

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
619.01				LS	0.50		Road B Completed		
619.04				LS	44.00		50% held & 24 LF for Road B		
637.11				MO	2.00		10/1/22 to 11/30/22		
625.01				LS	0.20		Road B		
625.01				LS	0.10		Road B extension		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 11/17/22

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)
Item 637.11 - ENGINEERS FIELD OFFICE (TYPE I) - Prime provided field office from 10/1/22 to 11/30/22. Engineers field office closed on 11/30/22.
All work complete.
Therefore, Pay Item 637.11 - ENGINEERS FIELD OFFICE (TYPE I): 2.0 MO FINAL

Item 625.01 - SURVEY OPERATIONS (LS) - Subcontractor provided survey for Road B. subcontractor set center line, curb lines, drainage structures, pre. con. survey mapping.
Work incomplete.
Pay Item 625.01 - SURVEY OPERATIONS (LS): 0.2 LS

Item 625.01 - SURVEY OPERATIONS (LS) - Subcontractor provided survey for Road B extension. subcontractor set center line, curb lines, drainage structures, pre. con. survey mapping.
Work incomplete.
Pay Item 625.01 - SURVEY OPERATIONS (LS): 0.1 LS

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 228 LC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: November 18, 2022

Day of Week: S M T W T F S

Sheet No. 1 of 1 DWR No. 118

	AM		PM	
Weather	Other		Other	
Temperature		° F		° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

No Work Performed.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 11/18/22

Reviewed by: _____ ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed: _____

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 228 LC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: November 21, 2022

Day of Week: S [X] M T W T F S

Sheet No. 1 of 1 DWR No. 119

	AM		PM	
Weather	Other		Other	
Temperature		° F		° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

No Work Performed.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 11/21/22

Reviewed by: _____ ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed: _____

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 228 LC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: November 22, 2022

Day of Week: S M [X] W T F S

Sheet No. 1 of 1 DWR No. 120

	AM		PM	
Weather	Other		Other	
Temperature		° F		° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

No Work Performed.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 11/22/22

Reviewed by: _____ ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed: _____

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 228 LC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: November 23, 2022

Day of Week: S M T W T F S

Sheet No. 1 of 1 DWR No. 121

	AM		PM	
Weather	Other		Other	
Temperature		° F		° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

No Work Performed.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 11/23/22

Reviewed by: _____ ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed: _____

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 228 LC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: November 24, 2022

Day of Week: S M T W [X] F S

Sheet No. 1 of 1 DWR No. 122

	AM		PM	
Weather	Other		Other	
Temperature		° F		° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

No Work Performed.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 11/24/22

Reviewed by: _____ ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed: _____

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 228 LC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: November 25, 2022

Day of Week: S | M | T | W | T | F | S

Sheet No. 1 of 1 DWR No. 123

	AM		PM	
Weather	Other		Other	
Temperature		° F		° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

No Work Performed.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 11/25/22

Reviewed by: _____ ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed: _____

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 228 LC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: November 29, 2022

Day of Week: S M [X] W T F S

Sheet No. 1 of 1 DWR No. 125

	AM		PM	
Weather	Other		Other	
Temperature		° F		° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

No Work Performed.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 11/29/22

Reviewed by: _____ ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed: _____

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 228 LC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: November 30, 2022

Day of Week: S M T W T F S

Sheet No. 1 of 1 DWR No. 126

	AM		PM	
Weather	Other		Other	
Temperature		° F		° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

No Work Performed.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 11/30/22

Reviewed by: _____ ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed: _____

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 228 LC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: December 01, 2022

Day of Week: S | M | T | W | X | F | S

Sheet No. 1 of 1 DWR No. 127

	AM		PM	
Weather	Other		Other	
Temperature		° F		° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

No Work Performed.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 12/1/22

Reviewed by: _____ ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed: _____

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 228 LC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: December 02, 2022

Day of Week: S | M | T | W | T | F | S

Sheet No. 1 of 1 DWR No. 128

	AM		PM	
Weather	Other		Other	
Temperature		° F		° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

No Work Performed.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 12/2/22

Reviewed by: _____ ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed: _____

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 228 LC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: December 05, 2022

Day of Week: S [X] M T W T F S

Sheet No. 1 of 1 DWR No. 129

	AM		PM	
Weather	Clear		Cloudy	
Temperature	31	° F	45	° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Subcontractor Accent Stripe placed White Epoxy striping per contract plans at the south end of the project.

Item 685.11 - WHITE EPOXY REFLECTORIZED PAVEMENT STRIPE - 20 MILS (LF) - subcontractor placed 12" crosswalk w/ 12" ladder bars. Also, subcontractor placed 18" stop bar. All work complete.
Therefore, Pay Item 685.11 - WHITE EPOXY REFLECTORIZED PAVEMENT STRIPE - 20 MILS (LF): sides = (98' + 70') x 3(4" stripe) = 672.00 LF
Ladder = (26 Bars x 6' EA) x 3(4" stripe) = 468.00 LF
TOTAL = 1140 LF FINAL

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
685.11				LF	1,140.00		Crosswalk and Stop Bar		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 12/5/22

Reviewed by: _____ ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed: _____

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 228 LC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: December 06, 2022

Day of Week: S | M | X | W | T | F | S

Sheet No. 1 of 1 DWR No. 130

	AM		PM	
Weather	Clear		Cloudy	
Temperature	31	° F	45	° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Subcontractor Accent Stripe placed Yellow Epoxy striping per contract plans from Sta. B0+30 to B14+03.

Item 685.12 - YELLOW EPOXY REFLECTORIZED PAVEMENT STRIPE - 20 MILS (LF) - subcontractor yellow double barrier from Sta.B0+30 to B14+03.
All work complete.
Therefore, Pay Item 685.12 - YELLOW EPOXY REFLECTORIZED PAVEMENT STRIPE - 20 MILS (LF): B0+30 to B14+03 = 1373 x 2(4" stripes) = 2746.00 LF FINAL

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
685.12				LF	2,746.00		Sta. B0+30 to B14+03		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 12/6/22

Reviewed by: _____ ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed: _____

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 228 LC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: December 07, 2022

Day of Week: S | M | T | W | T | F | S

Sheet No. 1 of 1 DWR No. 131

	AM		PM	
Weather	Other		Other	
Temperature		° F		° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

No Work Performed on Project.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 12/7/22

Reviewed by: _____ ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed: _____

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 228 LC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: December 08, 2022

Day of Week: S | M | T | W | [X] | F | S

Sheet No. 1 of 1 DWR No. 132

	AM		PM	
Weather	Other		Other	
Temperature		° F		° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

No Work Performed on Project.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 12/8/22

Reviewed by: _____ ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed: _____

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 228 LC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: December 09, 2022

Day of Week: S M T W T F S

Sheet No. 1 of 1 DWR No. 133

	AM		PM	
Weather	Other		Other	
Temperature		° F		° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime on site to remove insulation blankets and back-up new concrete curb on the west side of the Road B extension.
Prime demobilized all equipment and extra materials.

Prime used a CAT 80PC Excavator to place embankment material on the back side of the new concrete curb from Sta. B14+00 - B20+20. Material was placed loosely and not compacted.
Prime also placed subase material from the roadway subbase on the front side of the curb Sta. B14+00 - B16+50 +/- to prevent damage from the plow.

Prime removed all equipment and remaining supplies from site for winter shut down.

No report will be made from this date forward unless of event or when work resumes in Spring.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 12/9/22

Reviewed by: _____ ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed: _____

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 228 LC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: August 21, 2023

Day of Week: S [X] M T W T F S

Sheet No. 1 of 1 DWR No. 134

	AM		PM	
Weather	Other		Other	
Temperature		° F		° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

This report is to make corrections for payments.

ITEM 670.2604 - RIDGED PLASTIC CONDUIT - HD PE 4" DIA. (LF) - Original quantity of 1438.00 LF was reported on Report #82 (10/4/22). Contract quantity was 1430 LF. Change order #2, approved 8/9/23 new contract quantity of 1438.00 LF
Therefore, Pay ITEM 670.2604 - RIDGED PLASTIC CONDUIT - HD PE 4" DIA. (LF): 1444.00 - 1438.00 = 6.0 additional LF FINAL

ITEM 670.7002 SINGLE CONDUIT CABLE 2 AWG (LF) - Original quantity of 180.00 LF was reported on Report #99 (10/25/22). Agreed upon quantity with contractor is 222.00 LF. Additional wire was due to length at ends for tie-in.
Therefore. Pay ITEM 670.7002 SINGLE CONDUIT CABLE 2 AWG (LF): 222.00 LF - 180.00 LF = 42.00 additional LF FINAL

ITEM 670.7004 SINGLE CONDUCTOR CABLE 6 AWG (LF) - Original quantity of 928.80 LF was reported on Report #37 (08/03/22). Agreed upon quantity with contractor is 705.00 LF. Change in quantity was due to length at ends for tie-in and removal of quantity for ground wire which will be paid under a separate item.
Therefore, ITEM 670.7004 SINGLE CONDUCTOR CABLE 6 AWG (LF): 928.00 LF - 705 LF =-223.00 LF less (See below for payment)

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
670.2604				LF	6.00		Correction to Report 82		
670.7002				LF	42.00		Correction to Report 99		
670.7004				LF	802.80		Correction to Report 37 & 114 And Estimate #3		
670.7501				LF	97.50		Correction to Estimate #3		
670.00040205				EA	1.00		Payment held from Report 115		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 8/21/23

Reviewed by: _____ ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed: _____

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)

ITEM 670.7004 SINGLE CONDUCTOR CABLE 6 AWG (LF) - Original quantity paid to date (est. 03) is 2840 LF. The final field measured quantity agreed to by all parties is 4914 LF. Change order No. 02 increase the contract quantity from 2840 LF to 3642.8 LF. Therefore, the balance due the contractor is 4914.0 LF – 2840 LF = 2074 LF. At this time, payment will be made for 802.80 LF with the balance of 1271.2 LF to be paid on the final estimate at the original unit bid price of $3/LF
Therefore, Pay ITEM 670.7004 SINGLE CONDUCTOR CABLE 6 AWG (LF): 802.80 LF FINAL

ITEM 670.7501 GROUND WIRE #6 AWG. (LF) - Original quantity paid to date (est. 03) is 1420 LF. The final field measured quantity as agreed between all parties is 1673.00 LF. Change Order No. 02, approved 8/9/2023, increased the contract quantity from 1420 LF to 1575.50 LF. Therefore, the balance due the Contractor is 1673.0 LF – 1420.0 LF = 253 LF. At this time, Payment will be made for 97.5 LF with a balance of 155.5 LF to be paid on the final estimate at the original unit bid price of $3/LF.
Therefore, Pay ITEM 670.7501 GROUND WIRE #6 AWG. (LF): 97.5 LF FINAL

ITEM 683.0603001 - HDPE INNERDUCT 1 1/2" ID (LF) - Original quantity paid to date (est. 03) is 4314.0 LF. The final field measured quantity agreed to by all parties 4362.0 LF. The contract quantity is 4314.0 LF Therefore, the balance due the contractor is 4362.0 LF – 4314.0 LF = 48 LF. At this time, payment will be made for 0.0 LF with the balance of 48.0 LF to be paid on the final estimate at the original unit bid price of $3/LF
Therefore, Pay ITEM 683.0603001 - HDPE INNERDUCT 1 1/2" ID (LF): No payment will be made on this estimate.

ITEM 670.00040205 - ALUMINUM ROADWAY LIGHT STANDARD FOR TOP MTD LED FIXTURES TYPE C -NB (EA). - Prime replaced luminaire arms.
Therefore, Pay ITEM 670.00040205 - ALUMINUM ROADWAY LIGHT STANDARD FOR TOP MTD LED FIXTURES TYPE C -NB (EA): Quantity held from report 115 (11/15/22) or 1 EA FINAL

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 228 LC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: August 21, 2023

Day of Week: S [X] M T W T F S

Sheet No. 1 of 1 DWR No. 134

	AM		PM	
Weather	Other		Other	
Temperature		° F		° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

This report is to make corrections for payments.

ITEM 670.2604 - RIDGED PLASTIC CONDUIT - HD PE 4" DIA. (LF) - Original quantity of 1438.00 LF was reported on Report #82 (10/4/22). Agreed upon quantity with contractor is 1444.00 LF.
Therefore, Pay ITEM 670.2604 - RIDGED PLASTIC CONDUIT - HD PE 4" DIA. (LF): 1444.00 - 1438.00 = 6.0 additional LF FINAL

ITEM 670.7002 SINGLE CONDUIT CABLE 2 AWG (LF) - Original quantity of 180.00 LF was reported on Report #99 (10/25/22). Agreed upon quantity with contractor is 222.00 LF. Additional wire was due to length at ends for tie-in.
Therefore. Pay ITEM 670.7002 SINGLE CONDUIT CABLE 2 AWG (LF): 222.00 LF - 180.00 LF = 42.00 additional LF FINAL

ITEM 670.7004 SINGLE CONDUCTOR CABLE 6 AWG (LF) - Original quantity of 928.80 LF was reported on Report #37 (08/03/22). Agreed upon quantity with contractor is 705.00 LF. Change in quantity was due to length at ends for tie-in and removal of quantity for ground wire which will be paid under a separate item.
Therefore, ITEM 670.7004 SINGLE CONDUCTOR CABLE 6 AWG (LF): 928.00 LF - 705 LF =-223.00 LF less (See below for payment)

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
670.2604				LF	6.00		Correction to Report 82		
670.7002				LF	42.00		Correction to Report 99		
670.7004				LF	1,755.00		Correction to Report 37 & 114 And Estimate #3		
670.7501				LF	93.50		Correction to Estimate #3		
683.0603001				LF	48.00		Correction to Report 82		
670.00040205				EA	1.00		Payment held from Report 115		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 8/21/23

Reviewed by: _____ ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed: _____

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)

ITEM 670.7004 SINGLE CONDUCTOR CABLE 6 AWG (LF) - Original quantity of 6304.00 LF was reported on Report #114 (11/14/22). Agreed upon quantity with contractor is 4209.00 LF. Change in quantity was due to length at ends for tie-in and removal of quantity for ground wire which will be paid under a separate item.
Therefore, ITEM 670.7004 SINGLE CONDUCTOR CABLE 6 AWG (LF): 6304.00 LF - 4209.00 LF = 2095.00 LF less (See below for payment)

Pay ITEM 670.7004 SINGLE CONDUCTOR CABLE 6 AWG (LF)
Total quantity paid to date: 3159.00 LF (Estimate 3)
Total quantity agreed to: 4914.00 LF
Diff: = 1755.00 LF additional quantity FINAL

ITEM 670.7501 GROUND WIRE #6 AWG. (LF) - Original quantity of 1579.50 LF was paid on estimate #3. Agreed upon quantity with contractor is 1673.00 LF. Change in quantity was due to length at ends for tie-in and quantity removed from item 670.7004.
Therefore, Pay ITEM 670.7004 SINGLE CONDUCTOR CABLE 6 AWG (LF): 1579.50 LF - 1673.00 LF = 93.50 LF additional FINAL

ITEM 683.0603001 - HDPE INNERDUCT 1 1/2" ID (LF) - Original quantity of 4314.00 LF was reported on Report #82 (10/04/22). Agreed upon quantity with contractor is 4362.00 LF. Additional length was due to length at ends.
Therefore, Pay ITEM 683.0603001 - HDPE INNERDUCT 1 1/2" ID (LF): 4314.00 LF - 4362.00 LF = 48.00 LF additional quantity FINAL

ITEM 670.00040205 - ALUMINUM ROADWAY LIGHT STANDARD FOR TOP MTD LED FIXTURES TYPE C -NB (EA). - Prime replaced luminaire arms.
Therefore, Pay ITEM 670.00040205 - ALUMINUM ROADWAY LIGHT STANDARD FOR TOP MTD LED FIXTURES TYPE C -NB (EA): Quantity held from report 115 (11/15/22) or 1 EA FINAL

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 228 LC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: August 26, 2023

Day of Week: S M T W T F [X]

Sheet No. 1 of 1 DWR No. 135

	AM		PM	
Weather	Clear		Clear	
Temperature	63	° F	77	° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime first day returning to project.
Prime excavated for the continuation of the clean utility trench and removed structural concrete.

Item 203.02 - Unclassified Excavation (CY) - Prime used a kamatsu 228 US LC excavator to excavate for the clean utility trench on the west side between Sta. 14+94 LT to Sta. 16+00 LT. All material removed was transported to previously approved site on ECIDA land.
Work incomplete.
Item 202.19 - Removal of Substructures (CY) - Prime removed structural concrete using a CAT 330C Excavator with buster. Concrete removed was clean and transported to primes yard for disposal.
Work incomplete.

Notes:
Prime was informed to removed 1' clean cover on adjoining lot to expose existing demarcation for over laping new demarcation.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 8/26/23

Reviewed by: _____ ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed: _____

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

MURK 1 REVERSE
(06/08)

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 228 LC		1			
LABORER	2				Cat 315 Excavator					
EQUIP. OPERATOR	1				Dump Trucks		2			
TRUCK DRIVERS	2				CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor					CAT 330C Excavtor		1			

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: August 28, 2023

Day of Week: S [X] M T W T F S

Sheet No. 1 of 1 DWR No. 136

	AM		PM	
Weather	Clear		Clear	
Temperature	53	° F	78	° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

ITEM 203.02 - UNCLASSIFIED EXCAVATION AND DISPOSAL (CY) - Prime Excavated for Utility Trench from Sta. 14+94 LT to Sta. 20+02 LT using a Kamatsu 238 US LC Excavator. Material removed was placed at location approved by ECIDA during phase 1.
All work Complete
Therefore, Pay ITEM 203.02 - UNCLASSIFIED EXCAVATION AND DISPOSAL (CY):
Utiity Trench: (508 LF x 10'W x 5'D) /27 CY/CF = 940.74 CY

ITEM 202.19 - REMOVAL OF SUBSTRUCTURES (CY) - Prime removed concrete structures encountered during excavation of the utility trench using a CAT 330C excavator w/ buster. Concrete removed was clean and transported to primes yard for disposal.
All Work Complete.
Therefore, Pay ITEM 202.19 - REMOVAL OF SUBSTRUCTURES (CY):
7x8x5 = 10.37 CY
12x7x4 = 12.44 CY
2x2x10 = 1.48 CY
10x8x5 = 14.81 CY
6x6x4 = 5.33 CY

(over)

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
203.02				CY	940.74		Sta. 14+94 LT to Sta. 20+02 LT		
202.19				CY	56.11				

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 8/28/23

Reviewed by: _____ [ ] Engineer-in-Charge [ ] Resident Engineer Date Reviewed: _____

[ ] MURK 1-1 CONTINUATION attached for additional narrative. [ ] MURK 1-2 CONTINUATION attached for additional pay items & quantities.

MURK 1 REVERSE
(06/08)

(cont)
3x11x4 = 4.88 CY
2x5x4 = 1.48 CY
3x11x4 = 4.88 CY
4x1x3 = 0.44 CY
TOTAL = 56.11 CY FINAL

No further work until demarcation material received.

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 228 LC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: August 29, 2023

Day of Week: S | M | X | W | T | F | S

Sheet No. 1 of 1 DWR No. 137

	AM		PM	
Weather	Clear		Clear	
Temperature	53	° F	78	° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

No Work Performed on Project.

Meet with Zolads to discuss 10" retention pond outlet into DS #24.

Gave gas line invert information, photos,

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 8/29/23

Reviewed by: _____ ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed: _____

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 228 LC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: September 05, 2023

Day of Week: S M X W T F S

Sheet No. 1 of 1 DWR No. 138

	AM		PM	
Weather	Clear		Clear	
Temperature	67	° F	85	° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

ITEM E207.91 - DEMARCATION MATERIAL (SY) - Prime placed approved demarcation materil from Sta, 14+94 RT to Sta. 20+02 RT and from 1' west of the utility trench to the west curb.
All work complete.
Therefore, Pay TEM E207.91 - DEMARCATION MATERIAL (SY):
508.00LF x (1'+5'+10'+5'+10'))/9CY/SF = 1749.78 SY
Placed demarcation material.

Placed approved clean fill from County Line Stone. Starting at Sta. 20+02 and continuing south.
Material was placed in 2' lifts and compacted with a sheep foot roller.
Work incomplete.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
E207.91				SY	1,749.78		Sta, 14+94 RT to Sta. 20+02 RT		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 9/5/23

Reviewed by: _____ ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed: _____

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 228 LC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: September 06, 2023

Day of Week: S | M | T | W | T | F | S

Sheet No. 1 of 1 DWR No. 139

	AM		PM	
Weather	Clear		Clear	
Temperature	66	° F	91	° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime complete placement of Clean fill in the utility trench and trenched for placement of the lighting conduit.
ITEM 203.03 - EMBANKMENT-IN-PLACE (CY) - Prime completed placement of approved clean fill material in the utility trench and between utility trench and the curn on the west side From Sta. 14+94 LT to Sta. 20+02 LT. Material was placed in 2' lifts and compacted using a Ingersoll-Rand Sheep Foot Roller.
All Work Complete.
Therefore, Pay ITEM 203.03 - EMBANKMENT-IN-PLACE (CY):
Utiity Trench: (508 LF x 10'W x 5'D) /27 CY/CF = 940.74 CY
Fill SW to curb: (508 LF x 5'W x (4"/12)) + (508 LF x 5' x (6"/12)))/27 CY/CF = 78.08 CY
TOTAL = 1019.10 CY FINAL

ITEM 206.03060005 - CONDUIT EXCAVATION AND BACKFILL (LF) - Prime trenched for lighting conduits between LP 7 and LP10
LP #7 to LP #8 = 190 LF
LP #8 to LP #9 = 190 LF
LP #9 to LP #10 = 190 LF TOTAL = 570.00LF
All work Complete

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
203.03				CY	1,019.10		14+94 LT- 20+02 LT, Utility Trench + SW to curb		
206.03060005				LF	570.00		LP #7 to LP #10		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 9/6/23

Reviewed by: _____ ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed: _____

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)
Therefore, Pay ITEM 206.03060005 - CONDUIT EXCAVATION AND BACKFILL (LF) 570.00 LF

Notes:
Meet with Zolads, and Pinto to discuss elevation for waterline placement and sanitary.
Elevation of 10" pipe from retention pond.
Schedule: Pinto to place lines first and under the 18" pipe outlet. Thursday
Zolads to move construction fence, open new site driveway over saw cut curb to the south, layer 2 material to be provided for repair of material removed for 10" pond outlet., requested curb drop limit on the north end.

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 228 LC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: September 07, 2023

Day of Week: S M T W [X] F S

Sheet No. 1 of 1 DWR No. 140

	AM		PM	
Weather	Cloudy		Clear	
Temperature	71	° F	88	° F

CONTRACTOR WORK HOURS: 0700 TO 1700

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

E & R Construction removed and replaced damaged concrete curb on Dona St. Extension on the south side of the road between Steel Workers Way and the Rail Road. Damaged areas were first saw cut at the closest joint then Curb was removed using a Komatsu PC55 MR-5 excavator. Curb was excavated 1'behind the damaged areas then curb was pushed over to avoid damage to the pavement. Prime hand formed the curb using steel forms to provide a 6" revel and a 16" depth by 9" width. Class A concrete was placed and finished to meet existing curb.

A total of 5 Locations were repaired for a total length of 20.80, 34.60, 10.50, 20.40, 10.80 = 97.10 LF

All work complete. Therefore Pay the following items:

ITEM 203.02 - UNCLASSIFIED EXCAVATION AND DISPOSAL (CY) - (16" x (9"+12") x 97.10 LF)/27CF/CY = 11.09 CY FINAL

ITEM 609.04 - CAST-IN-PLACE CONCRETE CURB (LF) - 20.80, 34.60, 10.50, 20.40, 10.80 = 97.10 LF FINAL

ITEM 203.03 - EMBANKMENT-IN-PLACE (CY) - (12" x 12" x 97.10 LF)/27CF/CY = 3.60 CY FINAL

(OVER)

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
670.2602				LF	582.00		LP#7 to LP#8, LP#8 to LP#9, LP#9 to LP#10		
670.0105				CY	1.75		LP#8, LP#9, LP#10		
609.04				LF	97.10		Dona St. Curb Replacement		
203.02				CY	11.09		Dona St. Curb Replacement		
203.03				CY	3.06		Dona St. Curb Replacement		
610.1402				CY	1.20		Dona St. Curb Replacement		
610.1601				SY	10.79		Dona St. Curb Replacement		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 7/7/23

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)

ITEM 610.1402 - TOPSOIL - ROADSIDE (CY) - (4"D x 12"W x 97.10 LF)/27CF/CY = 1.20 CY FINAL

ITEM 610.1601 - TURF ESTABLISHMENT - ROADSIDE (SY) - (12"W x 97.10 LF)/9SF/SY =10.79 SY FINAL

Subcontractor, Spoth Enterprises:

ITEM 670.2602 - RIDGED PLASTIC CONDUIT 2" DIA. (LF) - Subcontractor placed 2" PVC conduit between light pile foundations 8,9,10 and from 8 to existing light pole foundation #7. Conduit was placed in previously excavated trench by E&R. 10' Conduit sections were glued together and placed into yet to be poured light pole foundations. Conduit was also placed between the existing light pole foundation #7 to the new light pole foundation #8. Conduit was then buried to a depth of 1' with clean approved material. Demarcation was then placed over the trench and an additional 6" of clean fill will be placed at a later time.
Total 2" Conduit placed.
LP #7 to LP #8 = 190 LF + (2 sweeps 2' EA) = 194 LF
LP #8 to LP #9 = 190 LF + (2 sweeps 2' EA) = 194 LF
LP #9 to LP #10 = 190 LF + (2 sweeps 2' EA) = 194 LF
All work Complete
Therefore, Pay ITEM 670.2602-RIDGED PLASTIC CONDUIT 2" DIA.(LF) TOTAL = 582 LF FINAL

ITEM 670.0105 - FOUNDATION FOR LIGHT STANDARDS (CY) - Subcontractor augered 5' depth from finished grade, using a Case 445 Skidster w/ auger attachment. Subcontractor then placed a 2' Dia. sono tube and re-bar cage in the excavation, set conduit to exit foundation at a 2' depth, suspended anchor bolts and poured Class A concrete and finished.
All Work Complete.
Therefore, Pay ITEM 670.0105 - FOUNDATION FOR LIGHT STANDARDS (CY)
LP #'s 8, 9, and 10: 0.58 CY EA x 3 fdn's = 1.75 CY FINAL

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 228 LC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1 - 1
(06/08)

DAILY WORK REPORT - DESCRIPTION CONTINUATION

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: September 07, 2023

Day of Week: S M T W [X] F S

Sheet No. 2 of 2 DWR No. 140

	AM		PM	
Weather				
Temperature				

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Notes:

-Zoladz Construction began placement of 10" SICPP retention pond out let pipe to Structure # 24. Contractor was informed of back fill procedures and material required. E&R provided Layer 2 to be placed between subgrade and subbase material.

Work incomplete.

-Pinto Construction placed water line to location of dip for 18" SICPP Drainage pipe. Reviewed all elevations with Pinto inspector and surveyor to achieve an 18" clearance between the bottom of the 18" SICPP Drainage Pipe and the top of the water line.

Inspector's Initials: MES

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: September 08, 2023

Day of Week: S | M | T | W | T | F | S

Sheet No. 1 of 1 DWR No. 141

	AM		PM	
Weather	Cloudy		Clear	
Temperature	69	° F	82	° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime placed approved subbase material for placement of sidewalk between Sta. 14+00 and 20+00
Prime elected to place subbase material at a depth of 8" (from 1' below finished grade (top of demarcation material)) Payment will be made as 4" of clean fill and 4" of subbase.
Prime placed material to grade and compacted using a plate tamper. Steel forms were then placed to proper grade and width.
Work incomplete.

Notes:
-Zoladz Construction paused work on drainage pipe do to water in the excavation.
Work incomplete.

-Pinto Construction paused work on drainage pipe do to water in the excavation.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 9/8/23

Reviewed by: _____ ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed: _____

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 228 LC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: September 09, 2023

Day of Week: S [ ] M [ ] T [ ] W [ ] T [ ] F [ ] S [X]

Sheet No. 1 of 1 DWR No. 142

	AM		PM	
Weather	Cloudy		Cloudy	
Temperature	70	° F	80	° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime placed approved subbase material for placement of sidewalk between Sta. 19+00 and 20+00
Prime elected to place subbase material at a depth of 8" (from 1' below finished grade (top of demarcation material)) Payment will be made as 4" of clean fill and 4" of subbase.
Prime placed material to grade and compacted using a plate tamper. Steel forms were then placed to proper grade and width.
Work incomplete.
ITEM 304.12 - SUBBASE COURSE, TYPE 2 (CY) - Prime placed subbase for concrete sidewalk between Sta. 14+10 to 20+07.
All work Complete.
Therefore, Pay ITEM 304.12 - SUBBASE COURSE, TYPE 2 (CY):
596.80LF x 6'W x (4"/12)D)/27 = 44.16 CY FINAL

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
304.12				CY	44.16		Sidewalk Sta. 14+10 LT - Sta. 20+07 LT		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 9/9/23

Reviewed by: _____ [ ] Engineer-in-Charge [ ] Resident Engineer Date Reviewed: _____

[ ] MURK 1-1 CONTINUATION attached for additional narrative. [ ] MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 228 LC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: September 11, 2023

Day of Week: S [X] M T W T F S

Sheet No. 1 of 1 DWR No. 143

	AM		PM	
Weather	Cloudy		Clear	
Temperature	70	° F	82	° F

CONTRACTOR WORK HOURS: 0700 TO 1900

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

ITEM 608.0101 - CONCRETE SIDEWALKS AND DRIVEWAYS (CY) - Prime placed concrete sidewalk from Sta. 14+10 to 20+07. Class D concrete was placed and finished to grade. Curing compound with then placed over broomed finish.
All Work Complete.
Therefore Pay Item 608.0101 - CONCRETE SIDEWALKS AND DRIVEWAYS (CY)
(596.80 LF x 5'W x (4"/12)D)/27 = 36.47 CY FINAL

Notes:
-Zoladz Construction paused work on drainage pipe do to water in the excavation. Work incomplete.

-Pinto Construction placed water line dip to elevation agreed upon. Pinto also, began placement of spur to clean utility trench. This location was discussed with me to make sure it pointed to the clean utility trench.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
608.0101				CY	36.47		Sta. 14+10 LT - 20+07 LT		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 9/11/23

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 228 LC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: September 12, 2023

Day of Week: S | M | X | W | T | F | S

Sheet No. 1 of 1 DWR No. 144

	AM		PM	
Weather	Cloudy		Cloudy	
Temperature	61	° F	73	° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

No work performed on project.

Notes:

-Zoladz Construction - placed 10" SICPP from Uniland retention pond to DS#24 on the east side. A 12" hole was core drilled into to the structure on the east side. A 45 degree coupling was placed into the structure and morted into place. Contractor continued to place 10" SICPP Pipe to 10' off ROW. Contractor then backfilled pipe with #1 stone to 12" aboce pipe. Then placed subbase material to subgrade. (9" below finished grade) contractor then placed, provide Level 2 material, over lapping the existing materialby 2' min.. Contractor then placed subase material to finished grade. Each 2' layer of subbase was compacted using a plate tamper.

Pinto Construction - placed concrete for thrust blocks at the dip in the waterline. Elevation were again and varified to have a 18" clearance from the top of the waterline to the bottom of the 18" SICPP.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 9/12/23

Reviewed by: _____ ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed: _____

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 228 LC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: September 13, 2023

Day of Week: S | M | T | W | T | F | S

Sheet No. 1 of 1 DWR No. 145

	AM		PM	
Weather	Cloudy		Cloudy	
Temperature	63	° F	66	° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

No work performed on project.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 9/13/23

Reviewed by: _____ ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed: _____

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 228 LC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: September 14, 2023

Day of Week: S | M | T | W | X | F | S

Sheet No. 1 of 1 DWR No. 146

	AM		PM	
Weather	Clear		Clear	
Temperature	59	° F	66	° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime prepared for placement of the concrete curb on the east side. Zoladaz Construction provied the location of the curb cuts for their facility.
Prime excavated previosly placed subbase to provide for a 16" deep curb for the full length with a 1" revel along the driveway cut. The curb will end on the north side of Structure #23.
Prime drilled into the top of each structure to place re-bar for placement of the curb.

Pinto Construction was asked to move the their pump hoses to make room for the curb machine. Pinto complied.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 9/14/23

Reviewed by: _____ ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed: _____

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 228 LC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: September 15, 2023

Day of Week: S | M | T | W | T | F | S

Sheet No. 1 of 1 DWR No. 147

	AM		PM	
Weather	Clear		Clear	
Temperature	56	° F	70	° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime provided survey for placement of the concrete curb on the east side.

ITEM 609.04 - CAST-IN-PLACE CONCRETE CURB (LF) - Subcontractor Balducci Concrete Construction placed 628 LF of 16" Type VF6 concrete curb using a 57000 Power Curb Machine and Class J concrete.
Curb was placed to proper grade.
All Work Complete.
Therefore, Pay ITEM 609.04 - CAST-IN-PLACE CONCRETE CURB (LF): 628.00 LF FINAL

Pinto Construction was asked to move the their pump to make room for equipment for fine grading subbase.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
604.04				LF	628.00		Sta. 20+21 RT to Sta. 13+93 RT		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 9/15/23

Reviewed by: _____ ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed: _____

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 228 LC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: September 16, 2023

Day of Week: S M T W T F ☒

Sheet No. 1 of 1 DWR No. 148

	AM		PM	
Weather	Clear		Clear	
Temperature	51	° F	67	° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime set new Fiber Optic pull box at Sta. 20+06, Placed topsoil between the west sidewlak and curb and placed curb backup material on the east side.

Item

Item E683.00601005 - Concrete Fiber Optic Pull box (EA) - Prime set fiber optic pull box at Sta. 20+06 using a 238 Excavator and placed clean fill material as back fill.
Conduit and grout placement remain to be completed.
Work incomplete.

Item 610.1402 - Topsoil (roadside) - Prime placed topsoil From Sta. 14+02LT - 20+07LT, between the west sidewalk and the curb using a PC238 excavator. Topsoil was compacted and grass seed placed. Prime placed topsoil to 12" depth in some locations. Payment will be made for 6" topsoil regardless of depth placed.
All work Complete
Therefore, Pay Item 610.1402 - Topsoil (roadside): 20+07 - 14+02 = (605 LF x 5' W X 6")/27 = 56.02 CY FINAL

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
610.1402				CY	56.02		Sta. 14+02LT - 20+07LT Sidewalk to Curb		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 9/16/23

Reviewed by: _____ ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed: _____

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 228 LC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: September 18, 2023

Day of Week: S ~~M~~ T W T F S

Sheet No. 1 of 1 DWR No. 149

	AM		PM	
Weather	Other		Other	
Temperature		° F		° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

No work performed on project.
No work will be performed on project until next report.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 9/18/23

Reviewed by: _____ ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed: _____

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 228 LC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: September 22, 2023

Day of Week: S M T W T F S

Sheet No. 1 of 1 DWR No. 150

	AM		PM	
Weather	Clear		Clear	
Temperature	57	° F	75	° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime fine graded previously placed subbase material to grade. Subbase areas that were contaminated by Uniland's construction operations were removed and replaced. Uniland provided the subbase material to replace the material removed. In all approximatively 25 CY of material was replaced.
Prime removed contaminated subbase using a grad all grader. Material removed was placed in uniland's work site. New material was then placed over the existing clean material and graded to proper grades and compacted using a ingersoll Rand SD115 Earth roller.
All work complete.
Work previously paid under Report 109 (11/7/22).

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 9/22/23

Reviewed by: _____ ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed: _____

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 228 LC					
LABORER	2				Cat 315 Excavator		1			
EQUIP. OPERATOR	1				Dump Trucks		2			
TRUCK DRIVERS					CAT D5G LGP Dozer		1			
IRONWORKERS					Ingersoll-Rand Earth Roller		1			
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS	2				Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: September 25, 2023

Day of Week: S [X] M T W T F S

Sheet No. 1 of 1 DWR No. 151

	AM		PM	
Weather	Other		Other	
Temperature		° F		° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

No work performed on project.

Prime was scheduled to place Asphalt Base and Binder on Saturday. However, work was canceled. No work will be performed on project until next report.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 9/25/23

Reviewed by: _____ ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed: _____

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 228 LC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: October 02, 2023

Day of Week: S [X] M T W T F S

Sheet No. 1 of 1 DWR No. 152

	AM		PM	
Weather	Clear		Clear	
Temperature	63	° F	77	° F

CONTRACTOR WORK HOURS: 0700 TO 1800

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime paved Asphalt Base and Binder courses from Sta. 14+02 to 20+25.

ITEM 402.377903 - 37.5 F9 BASE COURSE HMA, 70 SERIES COMPACTION (TON) - Prime paved asphalt base course between Sta. 14+02 - 20+25 beginning on the north side at Sta. 14+02 and proceded east to Sta. 20+25 using a Blaw Knox Paver w/ a Ingersoll Rand PF3200 screed. Material was placed a loose depth of 4" and compacted to a depth of 3 1/2" using a Ingersoll Rand roller.
Density monitoring was performed by Barron & Associates P.C to oversee the compaction on the materials.
Prime then paved the south side from Sta. 14+02 - Sta. 20+25.
All work complete.
Therefore, Pay ITEM 402.377903 - 37.5 F9 BASE COURSE HMA, 70 SERIES COMPACTION (TON):327.60 Ton / Delivery Tickets

ITEM 402.197903 - 19 F9 BINDER COURSE HMA, 70 SERIES COMPACTION (TON) - Prime paved asphalt base course between Sta. 14+02 - 20+25 beginning on the north side at Sta. 14+02 and proceded east to Sta. 20+25 using a Blaw Knox Paver w/ a Ingersoll Rand PF3200 screed.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
402.377903				TON	327.60		Sta. 14+02 - 20+25		
402.197903				TON	240.22		Sta. 14+02 - 20+25		
407.0103				GAL	58.51		Sta. 14+02 - 20+25		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 10/2/23

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)
Material was placed a loose depth of 2 1/4" and compacted to a depth of 2" using a Ingersoll Rand roller.
All work complete.
Therefore, Pay ITEM 402.197903 - 19 F9 BINDER COURSE HMA, 70 SERIES COMPACTION (TON):240.22 Ton / Delivery Tickets

ITEM 407.0103 - STRAIGHT TACK COAT (GAL) - Prime placed tack coat over newly placed base HMA pavement in preparation for HMA binder course.
All work complete.
Therefore Pay Item 407.0103 - STRAIGHT TACK COAT (GAL):
Volume used (1- change in Temp. x 0.00025) = Volume @ 60 degrees
60 Gal (1- (160 - 60 degrees) x 0.00025) = 58.51 Gal. FINAL

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON	1				Kamatsu PC 228 LC					
LABORER	4				Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks		8			
TRUCK DRIVERS	8				CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS	2				Ingersoll-Rand Roller		1			
Surveyor					Blaw-Knox PF3200 Paver		1			

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: October 03, 2023

Day of Week: S | M | X | W | T | F | S

Sheet No. 1 of 1 DWR No. 153

	AM		PM	
Weather	Clear		Clear	
Temperature	58	° F	80	° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

No work performed on project.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 10/3/23

Reviewed by: _____ ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed: _____

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 228 LC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: October 04, 2023

Day of Week: S M T W T F S

Sheet No. 1 of 1 DWR No. 155

	AM		PM	
Weather	Clear		Clear	
Temperature	65	° F	84	° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

No work performed on project.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 10/4/23

Reviewed by: _____ ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed: _____

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 228 LC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: October 05, 2023

Day of Week: S | M | T | W | X | F | S

Sheet No. 1 of 1 DWR No. 155

	AM		PM	
Weather	Clear		Cloudy	
Temperature	68	° F	82	° F

CONTRACTOR WORK HOURS: 0730 TO 1800

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime excavated for placement of fiber optic conduit and removed asphalt previously placed around drainage structures and set frames and grates to proper elevation and cross slope.

Prime fine graded between the backside of the sidewalk and the ROW in preparation for topsoil placement. Prime was informed that the subgrade material was low and not to proper elevation. Prime choose to place additional top soil to makeup the proper elevation. No additional payment will be made for the added material. The added material will be paid under the clean fill item.

ITEM 206.0201 - TRENCH AND CULVERT EXCAVATION (CY) - Prime excavated tench for placement of fiber-optic conduits between Sta. 14+92LT - 20+07LT 13' off face of curb. Prime trenched to a depth of 4'-6" by 12".
All work complete.
Therefore, Pay ITEM 206.0201 - TRENCH AND CULVERT EXCAVATION (CY):
20+07-14+92 =(515LF x - 4.5'D x 1')/27 = 85.83CY FINAL

ITEM 203.03 - EMBANKMENT-IN-PLACE (CY) - Subcontractor Spoth Enterprises back filled the trench to a depth of 2' from finished grade, then placed 4" Conduit and marking tape, then completed placement of embankment.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
206.0201				CY	85.83		Sta. 14+92LT - 20+07LT F.O. Conduit		
203.03				CY	85.83		Sta. 14+92LT - 20+07LT F.O. Conduit		
683.0603005				LF	1,560.00		Sta. 14+92LT - 20+07LT		
670.2604				LF	520.00		Sta. 14+92LT - 20+07LT		
E680.519601				EA	1.00		Sta. 20+07LT		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 10/5/23

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)
All work complete.
Therefore, PAY ITEM 203.03 - EMBANKMENT-IN-PLACE (CY):
20+07-14+92 =(515LF x - 4.5'D x 1')/27 = 85.83CY FINAL

ITEM 683.0603005 - HDPE INNERDUCT 1 1/2" ID (LF) - Subcontractor Spoth Enterprises placed 3 - 1 1/2" Fiber-optic conduit between pullboxes at Sta. 19+92LT - 20+07LT Conduit was bundled with zip-ties, then placed in trench. Each conduit was placed into pullboxes and capped.
All work complete.
Therefore, PAY ITEM 683.0603005 - HDPE INNERDUCT 1 1/2" ID (LF):
520.00LF x 3 = 1560.00 LF FINAL

ITEM 670.2604 - RIGID PLASTIC CONDUIT - HIGH DENSITY (POLYETHYLENE) 4" DIA. (LF) Subcontractor Spoth Enterprises placed 1 - 4" Fiber-optic conduit between pullboxes at Sta. 19 +92LT - 20+07LT. Conduit was placed 2' below finished grade. Conduit was placed into pullboxes and capped.
All work complete.
Therefore, PAY TEM 670.2604 - RIGID PLASTIC CONDUIT - HIGH DENSITY (POLYETHYLENE) 4" DIA. (LF): 520.00LF FINAL

ITEM E680.519601 - FURNISH AND INSTALL CONCRETE FIBER OPTIC PULLBOX (EA) - Subcontractor Spoth Enterprises complete work on fiber optic pullboxes by grouting openings for conduits.
All work complete.
Therefore, PAY ITEM E680.519601 - FURNISH AND INSTALL CONCRETE FIBER OPTIC PULLBOX (EA): 1 EA @ STA. 20+07 LT FINAL

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON			1		Kamatsu PC 228 LC		1			
LABORER	3				Cat 315 Excavator		1			
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS	1				CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller		1			
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS	1				Ingersoll-Rand Roller					
Surveyor										
Lineman			4							

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: October 06, 2023

Day of Week: S | M | T | W | T | F | S

Sheet No. 1 of 1 DWR No. 156

	AM		PM	
Weather	Rain		Cloudy	
Temperature	65	° F	70	° F

CONTRACTOR WORK HOURS: 0730 TO 1900

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime place 40' of 18" SICPP Pipe to retention pond from DS 24 an removed existing 30" SICPP from DS 24

ITEM 206.0201 - TRENCH AND CULVERT EXCAVATION (CY) - Prime excavated for placement of 18" SICPP pipe from DS 24 to new retention pond at Sta. 21+55 LT. Prime excavated using a Cat 315 Excavator, material removed was placed at approved on site disposal area. prime excavated for approximately 60' of pipe and placed 40'.
Work incomplete. See future report for full payment.

ITEM 206.0201 - TRENCH AND CULVERT EXCAVATION (CY) - Prime excavated for removal of 30' of existing 18" SICPP pipe from the west side of DS #24 to retention pond.
All Work complete.
Therefore, Pay ITEM 206.0201 - TRENCH AND CULVERT EXCAVATION (CY): (3.5'W x 7.5'D x 30.0 LF)/27 = 29.17 CY FINAL

ITEM 203.03 - EMBANKMENT IN PLACE (CY) - Prime placed excavated material back into trench for removal of 30' of existing 18" SICPP pipe from the west side of DS #24 to retention pond.
All Work complete.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
206.0201				CY	29.17		18" SICPP Removal DS #24 to Pond		
203.03				CY	29.17		18" SICPP Removal DS #24 to Pond		
604.070501				EA	2.00		DS # 24		
202.19				CY	5.42		Sta. 20+25 LT - Sta. 20+45 LT		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 10/6/23

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)
Therefore, Pay ITEM 203.03 - EMBANKMENT IN PLACE (CY): (3.5'W x 7.5'D x 30.0 LF)/27 = 29.17 CY FINAL

ITEM 603.9818 - SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN PIPE, 18" DIA. (LF) - Prime placed 40.00 LF of 18" SICPP from DS#24 to new retention pond. Pipe was inserted into DS # 24 at invert elevation 576.40 and set at a grade of .02%. All pipe was placed placed 40' of 18" SICPP to pond 7.5'D from og.
Work incomplete. See future report for full payment.

ITEM 604.070501 - ALTERING DRAINAGE STRUCTURES LEACHING BASINS AND MANHOLES (EA) - Prime altered Drainage Structure # 24 to remove existing 18" SICPP on the west side and to install new 18" SICPP on the north side.Prime removed 30" SICPP, formed and placed concrete in exiting opening. Hole for new 18" SICPP was cut with a saw and chipped out to acomidate the new pipe. The new pipe was then grouted in place.
All work complete.
Therefore, Pay ITEM 604.070501 - ALTERING DRAINAGE STRUCTURES LEACHING BASINS AND MANHOLES (EA): 2 EA.

ITEM 202.19 - REMOVAL OF SUBSTRUCTURES (CY) - During excavation for 18" SICPP to new retention pond, prime encountered structural concrete that needed to be removed. Concrete was removed using a Cat 315 Excavator w/ buster. Larger concrete debris were removed to contractors yard for disposal. Remaining material was placed at approved on site disposal area.
All work complete.
Therefore, Pay ITEM 202.19 - REMOVAL OF SUBSTRUCTURES (CY):
(5'W x 4'L x 5.5'D)/27 CY/CF = 4.0 CY
(2'W x 3.5'L x 5.5'D)/27 CY/CF =1.42 CY
TOTAL = 5.42 CY FINAL

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 228 LC		1			
LABORER	2				Cat 315 Excavator		1			
EQUIP. OPERATOR					Dump Trucks		2			
TRUCK DRIVERS	1				CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller		1			
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS	1				Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: October 07, 2023

Day of Week: S M T W T F [X]

Sheet No. 1 of 1 DWR No. 157

	AM		PM	
Weather	Clear		Clear	
Temperature	55	° F	57	° F

CONTRACTOR WORK HOURS: 0730 TO 1530

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime placed 6" topsoil and seeded areas behind the sidewalk. Concrte was also placed around previously set frames and grates.

ITEM 610.1402 - TOPSOIL - ROADSIDE (CY) - Prime placed approved topsoil from contractors stock pile from Sta. 14+02LT - 20+07LT, between the west sidewalk and the curb using a PC238 excavator. Topsoil was compacted and grass seed placed. Prime placed topsoil to 12" depth in some locations. Payment will be made for 6" topsoil regardless of depth placed.
All work Complete
Therefore, Pay Item 610.1402 - Topsoil (roadside): 20+07 - 14+02 = (605 LF x 12' W X 6")/27 = 134.44 CY FINAL

ITEM 610.1601 - TURF ESTABLISHMENT - ROADSIDE (SY) - Prime placed approved seed and mulch over all topsoiled areas between Sta. 14+02 - 20+07 LT.
All work Complete
Therefore, Pay ITEM 610.1601 - TURF ESTABLISHMENT - ROADSIDE (SY):
Sidewalk to Curb: (605 LF x 5'W)/9SY/SF = 336.11 SY
Sidewalk to ROW: (605 LF x 12'W)/9SY/SF = 806.67 SY
TOTAL = 1142.78 SY FINAL

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
610.1402				CY	134.44		Sta. 14+02 - 20+07 LT. Behind Sidewalk		
610.1601				SY	1,142.78		Sta. 14+02 - 20+07 LT. All		
655.1103				EA	10.00		DS#'s 15,16,17,18,19,20,21,22,23,24		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 10/7/23

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)
ITEM 655.1103 - WELDED FRAME AND RETICULINE GRATE (EA) - Prime placed concrete around drainage grates to complete installation of frames and grates at DS #'s 15,16,17,18,19,20,21,22,23,24. Concrete was placed to 1.75" from finished grade.
All work Complete.
Therefore, Pay ITEM 655.1103 - WELDED FRAME AND RETICULINE GRATE (EA): 10 EA
FINAL

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 228 LC					
LABORER	2				Cat 315 Excavator		1			
EQUIP. OPERATOR					Dump Trucks		2			
TRUCK DRIVERS	2				CAT D5G LGP Dozer		1			
IRONWORKERS					Ingersoll-Rand Earth Roller		1			
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS	1				Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: October 09, 2023

Day of Week: S [X] M T W T F S

Sheet No. 1 of 1 DWR No. 158

	AM		PM	
Weather	Cloudy		Cloudy	
Temperature	50	° F	54	° F

CONTRACTOR WORK HOURS: 0900 TO 1100

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Subcontractor Spoth Enterprises Inc. Pulled wires for new light poles.

ITEM 670.7004 - SINGLE CONDUCTOR CABLE (6AWG) (LF) - Subcontractor Spoth Enterprises pulled 6 awg wire between existing light pole LP# 8 and new light pole foundations LP 9, 10 and 11
Three wires were placed in previously placed 2" conduit. Each wire was pulled to 2' past the top of foundation then terminated. Wire length was determined by length numbers on each wire.
All work Complete.
Therefore, Pay ITEM 670.7004 - SINGLE CONDUCTOR CABLE (6AWG) (LF): 645LF + 645 LF + 646 LF = 1936.00 LF FINAL

ITEM 670.7501 - GROUND WIRE, 6AWG (LF) - Subcontractor Spoth Enterprises pulled 6 awg wire between existing light pole LP# 8 and new light pole foundations LP 9, 10 and 11
Ground wire was terminated at each light pole and will be grounded to the poles and grounding rod when the poles are installed. Wire length was determined by length numbers on each wire.
All work Complete.
Therefore, Pay ITEM 670.7501 - GROUND WIRE, 6AWG (LF) - 600.00 LF FINAL

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
670.7004				LF	1,936.00		LP8-LP9, LP9-LP10, LP10-LP11		
670.7501				LF	600.00		LP8-LP9, LP9-LP10, LP10-LP11		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 10/9/23

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON			1		Kamatsu PC 228 LC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										
Lineman			4							

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: October 10, 2023

Day of Week: S | M | [X] | W | T | F | S

Sheet No. 1 of 1 DWR No. 159

	AM		PM	
Weather	Rain		Rain	
Temperature	46	° F	50	° F

CONTRACTOR WORK HOURS: 0730 TO 1900

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime place 80' of 18" SICPP Pipe to retention pond from DS 24 and excavated retention pond at end of pipe run.

ITEM 206.0201 - TRENCH AND CULVERT EXCAVATION (CY) - Prime excavated for placement of 18" SICPP pipe from previously placed 40' of 18" SICPP from DS 24 to new retention pond at Sta. 21+55 LT. Prime excavated using a Cat 315 Excavator, material removed was placed at approved on site disposal area. Prime excavated for 80' of pipe and placed 80'. It was necessary to excavate additional with for removal of substructures with in the path of the pipe trench.
All work Complete.
Therefore, Pay ITEM 206.0201 - TRENCH AND CULVERT EXCAVATION (CY):
120.00 LF x 4.50 W x 7.5' Avg.D) / 27 CY/CF = 150.00 CY FINAL

ITEM 203.02 - UNCLASSIFIED EXCAVATION AND DISPOSAL (CY) - Prime excavated for retention pond at Sta. 21+55 LT using a Cat 315 Excavator, material removed was placed at approved on site disposal area.. The retention pond was excavated to a depth of 8' from og to meet the invert of the outlet pipe from DS #24.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
206.0201				CY	150.00		DS#24 to Retention Pond		
203.02				CY	177.18		Retention Pond		
203.07				CY	150.00		DS #24 to Retention Pond		
603.9818				LF	120.00		DS #24 to Retention Pond		
202.19				CY	71.09		DS #24 to Retention Pond		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 10/10/23

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)
All work Complete.
Therefore, Pay ITEM 203.02 - UNCLASSIFIED EXCAVATION AND DISPOSAL (CY):
(20' x 30' x 8') / 27 CY/CF = 177.78 CY FINAL

ITEM 203.07 - SELECT GRANULAR FILL (CY) - Prime placed select granular fill over new 18" pipe as required in a roadway pipe crossing. material was compacted using a vibritory plate tamper.
All work Complete.
Therefore, Pay ITEM 203.07 - SELECT GRANULAR FILL (CY):
120.00 LF x 4.50 W x 7.5' Avg.D) / 27 CY/CF = 150.00 CY FINAL

ITEM 603.9818 - SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN PIPE, 18" DIA. (LF) - Prime place 120' LF of 18" SICPP from DS #24 to retention pond. Each section of pipe was placed on a select granular fill bed and securely joined. Pipe was set to proper grade for drainage to the retention pond.
All Work Complete.
Therefore, Pay ITEM 603.9818 - SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN PIPE, 18" DIA. (LF): 120.00 LF FINAL

ITEM 202.19 - REMOVAL OF SUBSTRUCTURES (CY) - Prime removed concrete substructures within the pipe trench for the 18" SICPP from DS#24 to the retention pond. Concrete substructures were removed using a Cat 315 Excavator w/ buster. Larger concrete debris were removed to contractors yard for disposal. Remaining material was placed at approved on site disposal area.
All work complete.
Therefore, Pay ITEM 202.19 - REMOVAL OF SUBSTRUCTURES (CY):
(15'W x 4'L x 7.5'D)/27 CY/CF = 16.67 CY
(3'W x 3'L x 5.5'D)/27 CY/CF =1.83 CY
(33'W x 4'L x 7.5'D)/27 CY/CF =36.66 CY
(10'W x 5'L x 5'D)/27 CY/CF =9.26 CY
(8'W x 3'L x 7.5'D)/27 CY/CF =6.67 CY
TOTAL = 71.09 CY FINAL

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 228 LC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: October 11, 2023

Day of Week: S M T W T F S

Sheet No. 1 of 1 DWR No. 160

	AM		PM	
Weather	Other		Other	
Temperature		° F		° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

No work performed.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 10/11/23

Reviewed by: _____ ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed: _____

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 228 LC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: October 12, 2023

Day of Week: S | M | T | W | [X] | F | S

Sheet No. 1 of 1 DWR No. 161

	AM		PM	
Weather	Clear		Clear	
Temperature	46	° F	61	° F

CONTRACTOR WORK HOURS: 730 TO 1900

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Prime paved HMA Top course

Item 402.127203 - 12.5mm F2 TOP COURSE HMA, 70 SERIES COMPACTION (TN) - Prime paved top course of asphalt using a Blaw-Knox PF3200 paver. Top course was placed at 1 3/4" lose mix and compacted with a Ingersoll Rand Pavement roller to a depth of 1 1/2". Barron & Associates P.C. were on site performing density monitoring. All reading were satisfactory. (See Report).
Prime paved the southbound lane in a northernly direction at a cross slope of 1/4 in/ft. Prime then returned and paved the northbound lane in a northernly direction. Longitudinal pavement joint was staggered 6" and placed at the crown of the roadway.
All work Complete
Therefore, Pay Item 402.127203 - 12.5mm F2 TOP COURSE HMA, 70 SERIES COMPACTION (TN)
Ticket Total = 187.71 TN FINAL

ITEM 490.30 - MISCELLANEOUS COLD MILLING BITUMINOUS CONCRETE (SY) - Prime milled top course between Sta. 14+02 to 14+12 using a mill head on a New Holland skidsteer, to provide a rebate for new asphalt to meet existing.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
402.127203				TON	187.71		Sta. 14+02 - 20+25		
490.30				SY	31.11		Sta. 14+02 - 14+12		
407.0103				GAL	58.51		Sta. 14+02 - 20+25		
E207.91				SY	66.67		Sta. 20+24RT - Sta. 19+64RT		
610.1402				CY	11.11		Sta. 20+24RT - Sta. 19+64RT		
610.1601				SY	66.67		Sta. 20+24RT - Sta. 19+64RT		
209.1003				SY	2,777.78		Spoils area		
627.50140008				LF	28.00		Sta. 14+02 Rebate at Phase I / II		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 10/12/23

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)
All work Complete.
Therefore, Pay ITEM 490.30 - MISCELLANEOUS COLD MILLING BITUMINOUS CONCRETE (SY): (28'W x 10'L) / 9FS/SY = 31.11 SY FINAL

ITEM 407.0103 - STRAIGHT TACK COAT (GAL) - Prime placed tack coat over previously placed binder course pavement in preparation for HMA Top Course.
All work complete.
Therefore Pay Item 407.0103 - STRAIGHT TACK COAT (GAL):
Volume used (1- change in Temp. x 0.00025) = Volume @ 60 degrees
60 Gal (1- (160 - 60 degrees) x 0.00025) = 58.51 Gal. FINAL

ITEM E207.91 - DEMARCATION MEMBRANE (SY) - Prime fine graded existing material and placed demarcation material behind the curb between Sta. 20+24RT - Sta. 19+64RT. This area was previously thought to be Unilands Property, ergo their responsibility. However, It was determined that Uniland property line ended at Sta. 19+60RT.
All work Complete.
Therefore, Pay ITEM E207.91 - DEMARCATION MEMBRANE (SY): (10' x 60') / 9SY/SF = 66.67 SY FINAL

ITEM 610.1402 - TOPSOIL- ROADSIDE (CY) - Prime placed topsoil behind the curb between Sta. 20+24RT - Sta. 19+64RT to cover demarcation material.
All work Complete
Therefore, Pay ITEM 610.1402 - TOPSOIL- ROADSIDE (CY): (10'W x 60'L x 0.5'D) / 27CY/CF = 11.11 CY FINAL

ITEM 610.1601 - TURF ESTABLISHMENT (ROADSIDE) - (SY) - Prime placed approved seed and mulch behind the curb between Sta. 20+24RT - Sta. 19+64RT.
All Work complete.
Therefore, Pay ITEM 610.1601 - TURF ESTABLISHMENT (ROADSIDE) - (SY):(10' x 60') / 9SY/SF = 66.67 SY FINAL

CONTINUED ON MURK 1-1 RPT 169 10/12/23

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 228 LC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1 - 1
(06/08)

DAILY WORK REPORT - DESCRIPTION CONTINUATION

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: October 12, 2023

Day of Week: S M T W [X] F S

Sheet No. 2 of 2 DWR No. 161

	AM		PM	
Weather				
Temperature				

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

CONTINUED FROM MURK 1 RPT 169 10/12/23

ITEM 627.50140008 - CUTTING PAVEMENT (LF) - Prime saw cut rebate at Sta. 14+02 LT & RT to match new pavement of phase II. All work complete.

Therefore. Pay ITEM 627.50140008 - CUTTING PAVEMENT (LF) - 28.00 LF FINAL

ITEM 209.1003 - SEED AND MULCH (TEMPORARY) (SY) - Prime graded and compacted approved spoils area then placed seed and mulch over entire area.

All Work Complete.

Therefore, Pay ITEM 209.1003 - SEED AND MULCH (TEMPORARY) (SY):

(250' L x 100' W) / 9SY/SF = 2777.78 SY FINAL

Prime performed punch list of item to complete work previously paid.

Prime bolted all grates to frames.

Prime caulked curb at drainage structure locations.

Work remaining to be completed.

Fiber optic markers (2)

Light pole numbers (10)

Item 685.12 Pavement Markings - 1244 LF +/-

Item 670.00040205 - Light poles (3)

Item 670.00030104 - Luminaries - (3)

Item 670.6000000 - Photo Electric Control - (3)

Inspector's Initials: MES

MURK 1-1
(06/08)

DAILY WORK REPORT - DESCRIPTION CONTINUATION

Inspector's Initials: MES

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: October 13, 2023

Day of Week: S M T W T F S

Sheet No. 1 of 1 DWR No. 162

	AM		PM	
Weather	Other		Other	
Temperature		° F		° F

CONTRACTOR WORK HOURS: _____ TO _____

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

No additional reports will be made until work is performed.

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 10/13/23

Reviewed by: _____ ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed: _____

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 228 LC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: December 12, 2023

Day of Week: S | M | X | W | T | F | S

Sheet No. 1 of 1 DWR No. 163

	AM		PM	
Weather	Clear		Clear	
Temperature	41	° F	41	° F

CONTRACTOR WORK HOURS: 1630 TO 1730

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

ITEM - 685.12 - YELLOW EPOXY REFLECTORIZED PAVEMENT STRIPES - 20 MILS (LF) -
Subcontractor, Accent Stripe Placed yellow center line barrier Between Sta. 14+02 - 20+25.
Not on site to witness operation.
All work complete.
Therefore, Pay ITEM - 685.12 - YELLOW EPOXY REFLECTORIZED PAVEMENT STRIPES - 20 MILS (LF): 1246.00 LF FINAL

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
685.12				LF	1,246.00		Sta. 14+02 - 20+25.		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: Michael E. Smith Date Prepared: 12/12/23

Reviewed by: ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed:

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON					Kamatsu PC 228 LC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

MURK 1
(06/08)

DAILY WORK REPORT

JOB STAMP
Renaissance Commerce Park-Public Road B
Erie County Industrial Development Agency
Industrial Land Development Corporation
Project# F-A 8-19-21
Inspection: LiRo Engineers, Inc.

Date: February 28, 2024

Day of Week: S | M | T | W | T | F | S

Sheet No. 1 of 1 DWR No. 164

	AM		PM	
Weather	Clear		Cloudy	
Temperature	51	° F	42	° F

CONTRACTOR WORK HOURS: 0700 TO 1330

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Prime Contractor E & R General Construction Inc.

Subcontractor Spoth Enterprises delivered light poles # B9, B10, B11 and set on previously placed foundations. Light poles were plumbed and secured to anchor bolts. Sub contractor then spliced light luminaire wiring to previously placed power wires at each pole ant at Light pole #8 (power source from previous project). All lights were tested for working condition.

Item 670.00030104 - LED ROADWAY LUMINAIRE (EA) - Subcontractor secured led luminaire to the light poles #B9, B10, B11 prior to setting in place. #10 AWG was placed in pole from the luminaire to hand hole. Cost of wire included with Item 670.00030104.
All work Complete.
Therefore, Pay Item 670.00030104 - LED ROADWAY LUMINAIRE (EA): 3 EA FINAL

ITEM 670.00040205 - ALUMINUM ROADWAY LIGHT STANDARD FOR TOP MTD LED FIXTURE TYPE C -NB (EA) - Subcontractor set poles #B9, B10, B11 on existing foundations using a boom crane, plumbed and bolted securely to the foundation.
All work Complete.
Therefore, Pay ITEM 670.00040205 - ALUMINUM ROADWAY LIGHT STANDARD FOR TOP MTD LED FIXTURE TYPE C -NB (EA): 3 EA FINAL

CONTRACT PAY ITEM NO	FS	ES	INTERIM QUANTITY	UNITS	FINAL QUANTITY	QTY CHK	LOCATION OF WORK	CEES ENT	CEES CHK
670.00030104				EA	3.00		light poles #B9, B10, B11		
670.00040205				EA	3.00		light poles #B9, B10, B11		
670.60				EA	3.00		light poles #B9, B10, B11		

I certify that the work described in this report was incorporated into this contract on the date of this DWR, unless otherwise noted.

Inspector's Signature: _____ Date Prepared: 2/29/24

Reviewed by: _____ ☐ Engineer-in-Charge ☐ Resident Engineer Date Reviewed: _____

☐ MURK 1-1 CONTINUATION attached for additional narrative. ☐ MURK 1-2 CONTINUATION attached for additional pay items & quantities.

(cont)
ITEM 670.60 - PHOTO ELECTRIC CONTROL (EA) - Subcontractor secured Photo Cells to the luminaire on light poles #B9, B10, B11 prior to setting in place.
All work Complete.
Therefore, Pay ITEM 670.60 - PHOTO ELECTRIC CONTROL (EA): 3 EA FINAL

LABOR					EQUIPMENT					
CLASSIFICATION	OP 1	OP 2	OP 3	OP 4	TYPE	ID #	OP 1	OP 2	OP 3	OP 4
FOREPERSON			1		Kamatsu PC 228 LC					
LABORER					Cat 315 Excavator					
EQUIP. OPERATOR					Dump Trucks					
TRUCK DRIVERS					CAT D5G LGP Dozer					
IRONWORKERS					Ingersoll-Rand Earth Roller					
CARPENTERS					hydroseeder					
MASONS					Blaw-Knox PF3200 paver					
OWN./OPERATORS					Ingersoll-Rand Roller					
Surveyor										
Electriction			3							

OP 1: E&R Gen. Const.	OP 2: GPI	OP 3: Spoth Ent.	OP 4: Balducci Const.

APPENDIX B

Imported Soil Records

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 9
700 Delaware Avenue, Buffalo, NY 14209
P: (716) 851-7220 | F: (716) 851-7275
www.dec.ny.gov

August 16, 2022

Michael Smith
The LiRo Group
70 North Gates Street
Lackawanna, NY 14218

Soil Import Request
Site II-13 Tecumseh Phase II Business Park
Site No. C915198M
Lackawanna, NY

Dear Michael Smith,

The Department has reviewed the request dated August 15, 2022 to import approximately 500 to 800 cubic yards of topsoil from 3100 Niagara Falls BLVD., Amherst NY. Based on the information provided, the request is hereby approved.

The proposed fill material meets the lower of the two, commercial or groundwater protection soil cleanup objectives (SCOs) (Appendix 5 of DER-10). Therefore, this material may be placed below the demarcation layer or above the demarcation layer as part of final site cover.

Should you have any questions or would like to discuss the matter in further detail, feel free to contact me at andrew.zwack@dec.ny.gov or (716) 851-7220.

Sincerely,

Andrew Zwack
Assistant Engineer

ec: Ben McPherson – NYSDEC
Michael Lydle – Foit-Albert

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 9
700 Delaware Avenue, Buffalo, NY 14209
P: (716) 851-7220 | F: (716) 851-7275
www.dec.ny.gov

August 24, 2022

Michael Smith
The LiRo Group
70 North Gates Street
Lackawanna, NY 14218

Soil Import Request
Site II-13 Tecumseh Phase II Business Park
Site No. C915198M
Lackawanna, NY

Dear Michael Smith,

The Department has reviewed the request dated August 24, 2022 to import approximately 4,000 cubic yards of soil from County Line Stone, Akron, NY. Based on the information provided, the request is hereby approved.

The proposed fill material meets the lower of the two, commercial or groundwater protection soil cleanup objectives (SCOs) (Appendix 5 of DER-10). Therefore, this material may be placed below the demarcation layer or above the demarcation layer as part of final site cover.

Should you have any questions or would like to discuss the matter in further detail, feel free to contact me at andrew.zwack@dec.ny.gov or (716) 851-7220.

Sincerely,

Andrew Zwack
Assistant Engineer

ec: Ben McPherson – NYSDEC
Michael Lydle – Foit-Albert

APPENDIX C

CAMP Air Monitoring Data

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530151701
Firmware Version	3.1
Calibration Date	12/6/2021
Test Name	MANUAL_001
Test Start Time	7:45:53 AM
Test Start Date	7/18/2022
Test Length [D:H:M]	0:09:00
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.017
Mass Minimum [mg/m3]	0.006
Mass Maximum [mg/m3]	0.027
Mass TWA [mg/m3]	0.017
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	36
Date	7/18/2022

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.024		
1800	0.021		
2700	0.019		
3600	0.018		
4500	0.017		
5400	0.016		
6300	0.014		
7200	0.016		
8100	0.017		
9000	0.019		
9900	0.019		
10800	0.017		
11700	0.013		
12600	0.019		
13500	0.027		
14400	0.024		
15300	0.019		
16200	0.016		
17100	0.016		
18000	0.021		
18900	0.006		
19800	0.01		
20700	0.015		
21600	0.009		

Date 7/18/2022

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
22500	0.009		
23400	0.006		
24300	0.015		
25200	0.018		
26100	0.018		
27000	0.016		
27900	0.016		
28800	0.023		
29700	0.019		
30600	0.022		
31500	0.024		
32400	0.022		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530151701
Firmware Version	3.1
Calibration Date	12/6/2021
Test Name	MANUAL_002
Test Start Time	7:19:47 AM
Test Start Date	7/19/2022
Test Length [D:H:M]	0:12:42
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.033
Mass Minimum [mg/m3]	0
Mass Maximum [mg/m3]	0.045
Mass TWA [mg/m3]	0
Photometric User Cal	1
Flow User Cal	0
Errors	Max Concentration
Number of Samples	38
Date	7/19/2022

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.045		
1800	0.038		
2700	0.035		
3600	0.036		
4500	0.035		
5400	0.035		
6300	0.035		
7200	0.037		
8100	0.035		
9000	0.036		
9900	0.036		
10800	0.035		
11700	0.042		
12600	0.037		
13500	0.038		
14400	0.04		
15300	0.039		
16200	0.037		
17100	0.036		
18000	0.038		
18900	0.034		
19800	0.035		
20700	0.035		
21600	0.031		

	Date	7/19/2022		
Elapsed Time [s]		Mass [mg/m3]	Alarms	Errors
22500		0.032		
23400		0.032		
24300		0.03		
25200		0.03		
26100		0.029		
27000		0.028		
27900		0.026		
28800		0.027		
29700		0.025		
30600		0.027		
31500		0.028		
32400		0.026		
33300		0.026		
45749		0	Max Concentration	

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8.53E+09
Firmware Version	3.1
Calibration Date	12/6/2021
Test Name	MANUAL_003
Test Start Time	7:16:20 AM
Test Start Date	7/20/2022
Test Length [D:H:M]	0:12:29
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.031
lass Minimum [mg/m3]	0
ass Maximum [mg/m3]	0.037
Mass TWA [mg/m3]	0
Photometric User Cal	1
Flow User Cal	0
Errors	Max Concentration
Number of Samples	36
Date	7/20/2022

Elapsed Time [s]	Mass [mg/m3	Alarms	Errors
6886	0		
7200	0.023		
8100	0.03		
9000	0.03		
9900	0.031		
10800	0.03		
11700	0.029		
12600	0.029		
13500	0.03		
14400	0.03		
15300	0.033		
16200	0.032		
17100	0.033		
18000	0.034		
18900	0.033		
19800	0.035		
20700	0.033		
21600	0.035		
22500	0.035		
23400	0.032		
24300	0.032		
25200	0.033		
26100	0.035		
27000	0.035		

Date	7/20/2022		
Elapsed Time [s]	Mass [mg/m3	Alarms	Errors
27900	0.034		
28800	0.032		
29700	0.029		
30600	0.03		
31500	0.036		
32400	0.035		
33300	0.037		
34200	0.036		
35100	0.034		
36000	0.031		
36900	0.035		
44959	0		Max Concentration

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530151701
Firmware Version	3.1
Calibration Date	12/6/2021
Test Name	MANUAL_004
Test Start Time	7:14:03 AM
Test Start Date	7/21/2022
Test Length [D:H:M]	0:12:31
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.03
Mass Minimum [mg/m3]	0
Mass Maximum [mg/m3]	0.039
Mass TWA [mg/m3]	0
Photometric User Cal	1
Flow User Cal	0
Errors	Max Concentration
Number of Samples	37
Date	7/21/2022

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.039		
1800	0.034		
2700	0.031		
3600	0.029		
4500	0.032		
5400	0.031		
6300	0.032		
7200	0.032		
8100	0.036		
9000	0.033		
9900	0.034		
10800	0.033		
11700	0.034		
12600	0.032		
13500	0.033		
14400	0.029		
15300	0.032		
16200	0.028		
17100	0.028		
18000	0.027		
18900	0.027		
19800	0.027		
20700	0.028		
21600	0.025		

22500	0.024	
23400	0.029	
24300	0.027	
25200	0.026	
26100	0.026	
27000	0.027	
27900	0.028	
28800	0.032	
29700	0.032	
30600	0.032	
31500	0.034	
32400	0.034	
45062	0	Max Concentration

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530151701
Firmware Version	3.1
Calibration Date	12/6/2021
Test Name	MANUAL_005
Test Start Time	7:17:24 AM
Test Start Date	7/22/2022
Test Length [D:H:M]	0:13:45
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.026
Mass Minimum [mg/m3]	0
Mass Maximum [mg/m3]	0.048
Mass TWA [mg/m3]	0
Photometric User Cal	1
Flow User Cal	0
Errors	Max Concentration
Number of Samples	38
Date	7/22/2022

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.04		
1800	0.038		
2700	0.037		
3600	0.03		
4500	0.027		
5400	0.026		
6300	0.025		
7200	0.026		
8100	0.029		
9000	0.028		
9900	0.026		
10800	0.024		
11700	0.025		
12600	0.024		
13500	0.022		
14400	0.02		
15300	0.02		
16200	0.02		
17100	0.02		
18000	0.02		
18900	0.02		
19800	0.023		
20700	0.024		
21600	0.024		

Date 7/22/2022

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
22500	0.027		
23400	0.028		
24300	0.03		
25200	0.031		
26100	0.028		
27000	0.03		
27900	0.027		
28800	0.021		
29700	0.02		
30600	0.022		
31500	0.022		
48504	0		Max Concentration
48600	0.043		Max Concentration
49500	0.048		Max Concentration

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530151701
Firmware Version	3.1
Calibration Date	12/6/2021
Test Name	MANUAL_006
Test Start Time	7:11:14 AM
Test Start Date	7/25/2022
Test Length [D:H:M]	0:10:15
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.014
Mass Minimum [mg/m3]	0
Mass Maximum [mg/m3]	0.127
Mass TWA [mg/m3]	0
Photometric User Cal	1
Flow User Cal	0
Errors	Max Concentration
Number of Samples	38
Date	7/25/2022

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.011		
1800	0.009		
2700	0.01		
3600	0.009		
4500	0.009		
5400	0.009		
6300	0.009		
7200	0.009		
8100	0.01		
9000	0.01		
9900	0.01		
10800	0.011		
11700	0.011		
12600	0.012		
13500	0.013		
14400	0.015		
15300	0.013		
16200	0.013		
17100	0.015		
18000	0.016		
18900	0.016		
19800	0.014		
20700	0.014		
21600	0.016		

Date 7/25/2022

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
22500	0.013		
23400	0.011		
24300	0.01		
25200	0.011		
26100	0.008		
27000	0.008		
27900	0.007		
28800	0.006		
29700	0.007		
30600	0.007		
31500	0.009		
32400	0.006		
36363	0		Max Concentration
36900	0.127		Max Concentration

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530151701
Firmware Version	3.1
Calibration Date	12/6/2021
Test Name	MANUAL_007
Test Start Time	7:39:00 AM
Test Start Date	7/26/2022
Test Length [D:H:M]	0:09:45
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.009
Mass Minimum [mg/m3]	0.006
Mass Maximum [mg/m3]	0.019
Mass TWA [mg/m3]	0.009
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	39
Date	7/26/2022

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.011		
1800	0.013		
2700	0.013		
3600	0.008		
4500	0.007		
5400	0.008		
6300	0.006		
7200	0.008		
8100	0.006		
9000	0.008		
9900	0.008		
10800	0.008		
11700	0.007		
12600	0.007		
13500	0.019		
14400	0.007		
15300	0.011		
16200	0.008		
17100	0.007		
18000	0.011		
18900	0.009		
19800	0.009		
20700	0.008		
21600	0.008		

Date 7/26/2022

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
22500	0.008		
23400	0.008		
24300	0.008		
25200	0.008		
26100	0.007		
27000	0.01		
27900	0.009		
28800	0.009		
29700	0.007		
30600	0.008		
31500	0.007		
32400	0.008		
33300	0.008		
34200	0.009		
35100	0.008		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530151701
Firmware Version	3.1
Calibration Date	12/6/2021
Test Name	MANUAL_008
Test Start Time	7:06:24 AM
Test Start Date	7/27/2022
Test Length [D:H:M]	0:10:45
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.013
Mass Minimum [mg/m3]	0.008
Mass Maximum [mg/m3]	0.022
Mass TWA [mg/m3]	0.012
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	43
Date	7/27/2022

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.018		
1800	0.017		
2700	0.015		
3600	0.016		
4500	0.016		
5400	0.022		
6300	0.015		
7200	0.014		
8100	0.013		
9000	0.01		
9900	0.012		
10800	0.009		
11700	0.009		
12600	0.008		
13500	0.008		
14400	0.008		
15300	0.011		
16200	0.011		
17100	0.011		
18000	0.011		
18900	0.011		
19800	0.012		
20700	0.013		
21600	0.012		

	Date	7/27/2022		
Elapsed Time [s]		Mass [mg/m3]	Alarms	Errors
22500		0.013		
23400		0.013		
24300		0.011		
25200		0.01		
26100		0.011		
27000		0.011		
27900		0.014		
28800		0.013		
29700		0.015		
30600		0.012		
31500		0.012		
32400		0.012		
33300		0.011		
34200		0.015		
35100		0.013		
36000		0.015		
36900		0.015		
37800		0.015		
38700		0.016		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530151701
Firmware Version	3.1
Calibration Date	12/6/2021
Test Name	MANUAL_009
Test Start Time	7:10:14 AM
Test Start Date	7/28/2022
Test Length [D:H:M]	0:09:45
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.023
Mass Minimum [mg/m3]	0.005
Mass Maximum [mg/m3]	0.037
Mass TWA [mg/m3]	0.023
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	39
Date	7/28/2022

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.024		
1800	0.023		
2700	0.027		
3600	0.027		
4500	0.027		
5400	0.024		
6300	0.032		
7200	0.031		
8100	0.03		
9000	0.035		
9900	0.037		
10800	0.023		
11700	0.01		
12600	0.008		
13500	0.006		
14400	0.005		
15300	0.008		
16200	0.022		
17100	0.019		
18000	0.023		
18900	0.02		
19800	0.023		
20700	0.024		
21600	0.027		

Date 7/28/2022

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
22500	0.025		
23400	0.024		
24300	0.026		
25200	0.023		
26100	0.022		
27000	0.024		
27900	0.024		
28800	0.023		
29700	0.024		
30600	0.023		
31500	0.024		
32400	0.023		
33300	0.019		
34200	0.019		
35100	0.02		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530151701
Firmware Version	3.1
Calibration Date	12/6/2021
Test Name	MANUAL_010
Test Start Time	7:13:06 AM
Test Start Date	7/29/2022
Test Length [D:H:M]	0:09:45
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.014
Mass Minimum [mg/m3]	0.008
Mass Maximum [mg/m3]	0.03
Mass TWA [mg/m3]	0.016
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	39
Date	7/29/2022

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.03		
1800	0.024		
2700	0.025		
3600	0.025		
4500	0.025		
5400	0.023		
6300	0.022		
7200	0.027		
8100	0.021		
9000	0.02		
9900	0.018		
10800	0.015		
11700	0.013		
12600	0.014		
13500	0.013		
14400	0.011		
15300	0.011		
16200	0.012		
17100	0.012		
18000	0.013		
18900	0.011		
19800	0.011		
20700	0.009		
21600	0.01		

Date 7/29/2022

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
22500	0.013		
23400	0.012		
24300	0.01		
25200	0.012		
26100	0.01		
27000	0.009		
27900	0.009		
28800	0.011		
29700	0.009		
30600	0.012		
31500	0.008		
32400	0.008		
33300	0.008		
34200	0.008		
35100	0.008		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530151701
Firmware Version	3.1
Calibration Date	12/6/2021
Test Name	MANUAL_011
Test Start Time	7:07:31 AM
Test Start Date	8/1/2022
Test Length [D:H:M]	0:09:45
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.021
Mass Minimum [mg/m3]	0.015
Mass Maximum [mg/m3]	0.029
Mass TWA [mg/m3]	0.021
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	39
	8/1/2022

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.024		
1800	0.02		
2700	0.026		
3600	0.029		
4500	0.021		
5400	0.021		
6300	0.021		
7200	0.022		
8100	0.023		
9000	0.022		
9900	0.023		
10800	0.024		
11700	0.022		
12600	0.023		
13500	0.021		
14400	0.022		
15300	0.022		
16200	0.022		
17100	0.019		
18000	0.021		
18900	0.02		
19800	0.02		
20700	0.02		
21600	0.019		

8/1/2022

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
22500	0.019		
23400	0.018		
24300	0.018		
25200	0.018		
26100	0.02		
27000	0.015		
27900	0.018		
28800	0.016		
29700	0.017		
30600	0.016		
31500	0.017		
32400	0.018		
33300	0.021		
34200	0.021		
35100	0.025		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530151701
Firmware Version	3.1
Calibration Date	12/6/2021
Test Name	MANUAL_012
Test Start Time	7:21:29 AM
Test Start Date	8/2/2022
Test Length [D:H:M]	0:09:45
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.016
Mass Minimum [mg/m3]	0.009
Mass Maximum [mg/m3]	0.039
Mass TWA [mg/m3]	0.017
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	39
Draft	8/2/2022

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.016		
1800	0.015		
2700	0.015		
3600	0.015		
4500	0.014		
5400	0.015		
6300	0.021		
7200	0.039		
8100	0.038		
9000	0.037		
9900	0.028		
10800	0.028		
11700	0.021		
12600	0.013		
13500	0.012		
14400	0.011		
15300	0.011		
16200	0.01		
17100	0.011		
18000	0.01		
18900	0.012		
19800	0.009		
20700	0.01		
21600	0.011		

Draft 8/2/2022

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
22500	0.009		
23400	0.012		
24300	0.012		
25200	0.014		
26100	0.017		
27000	0.014		
27900	0.016		
28800	0.018		
29700	0.017		
30600	0.013		
31500	0.012		
32400	0.01		
33300	0.012		
34200	0.014		
35100	0.011		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530151701
Firmware Version	3.1
Calibration Date	12/6/2021
Test Name	MANUAL_013
Test Start Time	7:12:15 AM
Test Start Date	8/3/2022
Test Length [D:H:M]	0:10:15
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.015
Mass Minimum [mg/m3]	0.009
Mass Maximum [mg/m3]	0.03
Mass TWA [mg/m3]	0.013
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	41
Date	8/3/2022

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.013		
1800	0.011		
2700	0.012		
3600	0.011		
4500	0.012		
5400	0.013		
6300	0.013		
7200	0.013		
8100	0.016		
9000	0.012		
9900	0.012		
10800	0.013		
11700	0.012		
12600	0.012		
13500	0.012		
14400	0.009		
15300	0.009		
16200	0.01		
17100	0.012		
18000	0.012		
18900	0.011		
19800	0.011		
20700	0.015		
21600	0.012		

Date 8/3/2022

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
22500	0.013		
23400	0.014		
24300	0.014		
25200	0.017		
26100	0.016		
27000	0.021		
27900	0.02		
28800	0.02		
29700	0.022		
30600	0.021		
31500	0.025		
32400	0.019		
33300	0.021		
34200	0.017		
35100	0.018		
36000	0.019		
36900	0.03		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530151701
Firmware Version	3.1
Calibration Date	12/6/2021
Test Name	MANUAL_014
Test Start Time	8:25:12 AM
Test Start Date	8/4/2022
Test Length [D:H:M]	0:08:30
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.021
Mass Minimum [mg/m3]	0.014
Mass Maximum [mg/m3]	0.037
Mass TWA [mg/m3]	0.021
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	34
Date	8/4/2022

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.018		
1800	0.014		
2700	0.016		
3600	0.015		
4500	0.016		
5400	0.015		
6300	0.018		
7200	0.02		
8100	0.021		
9000	0.021		
9900	0.018		
10800	0.019		
11700	0.022		
12600	0.021		
13500	0.023		
14400	0.022		
15300	0.023		
16200	0.023		
17100	0.02		
18000	0.022		
18900	0.021		
19800	0.02		
20700	0.021		
21600	0.029		

Date 8/4/2022

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
22500	0.017		
23400	0.018		
24300	0.037		
25200	0.021		
26100	0.023		
27000	0.024		
27900	0.025		
28800	0.025		
29700	0.024		
30600	0.024		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530151701
Firmware Version	3.1
Calibration Date	12/6/2021
Test Name	MANUAL_015
Test Start Time	7:15:00 AM
Test Start Date	8/5/2022
Test Length [D:H:M]	0:09:30
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.029
Mass Minimum [mg/m3]	0.023
Mass Maximum [mg/m3]	0.036
Mass TWA [mg/m3]	0.029
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	38
Date	8/5/2022

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.029		
1800	0.031		
2700	0.031		
3600	0.03		
4500	0.027		
5400	0.03		
6300	0.029		
7200	0.027		
8100	0.027		
9000	0.031		
9900	0.024		
10800	0.027		
11700	0.026		
12600	0.026		
13500	0.035		
14400	0.027		
15300	0.036		
16200	0.029		
17100	0.029		
18000	0.032		
18900	0.03		
19800	0.029		
20700	0.029		
21600	0.029		

Date 8/5/2022

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
22500	0.027		
23400	0.024		
24300	0.023		
25200	0.026		
26100	0.035		
27000	0.034		
27900	0.035		
28800	0.033		
29700	0.028		
30600	0.03		
31500	0.025		
32400	0.025		
33300	0.024		
34200	0.025		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530151701
Firmware Version	3.1
Calibration Date	12/6/2021
Test Name	MANUAL_016
Test Start Time	7:14:20 AM
Test Start Date	8/8/2022
Test Length [D:H:M]	0:09:00
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.019
Mass Minimum [mg/m3]	0.015
Mass Maximum [mg/m3]	0.024
Mass TWA [mg/m3]	0.019
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	36
Date	8/8/2022

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.024		
1800	0.02		
2700	0.019		
3600	0.019		
4500	0.02		
5400	0.023		
6300	0.02		
7200	0.02		
8100	0.017		
9000	0.017		
9900	0.016		
10800	0.015		
11700	0.015		
12600	0.015		
13500	0.016		
14400	0.016		
15300	0.017		
16200	0.021		
17100	0.018		
18000	0.021		
18900	0.022		
19800	0.018		
20700	0.019		
21600	0.019		

Date 8/8/2022

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
22500	0.018		
23400	0.02		
24300	0.021		
25200	0.024		
26100	0.017		
27000	0.017		
27900	0.018		
28800	0.018		
29700	0.018		
30600	0.018		
31500	0.018		
32400	0.019		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8.53E+09
Firmware Version	3.1
Calibration Date	12/6/2021
Test Name	MANUAL_017
Test Start Time	7:42:53 AM
Test Start Date	8/9/2022
Test Length [D:H:M]	0:09:30
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.019
Mass Minimum [mg/m3]	0.007
Mass Maximum [mg/m3]	0.165
Mass TWA [mg/m3]	0.02
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	38
Date	8/9/2022

Elapsed Time [s]	Mass [mg/m3	Alarms	Errors
900	0.008		
1800	0.008		
2700	0.007		
3600	0.008		
4500	0.008		
5400	0.008		
6300	0.008		
7200	0.009		
8100	0.01		
9000	0.01		
9900	0.011		
10800	0.013		
11700	0.013		
12600	0.013		
13500	0.015		
14400	0.014		
15300	0.013		
16200	0.012		
17100	0.012		
18000	0.013		
18900	0.012		
19800	0.012		
20700	0.011		
21600	0.012		

	Date	8/9/2022		
Elapsed Time [s]		Mass [mg/m3	Alarms	Errors
22500		0.012		
23400		0.014		
24300		0.011		
25200		0.011		
26100		0.049		
27000		0.165		
27900		0.087		
28800		0.024		
29700		0.019		
30600		0.012		
31500		0.013		
32400		0.016		
33300		0.017		
34200		0.02		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530151701
Firmware Version	3.1
Calibration Date	12/6/2021
Test Name	MANUAL_018
Test Start Time	7:28:55 AM
Test Start Date	8/10/2022
Test Length [D:H:M]	0:10:00
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.015
Mass Minimum [mg/m3]	0.01
Mass Maximum [mg/m3]	0.039
Mass TWA [mg/m3]	0.016
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	40
Date	8/10/2022

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.039		
1800	0.035		
2700	0.027		
3600	0.019		
4500	0.022		
5400	0.02		
6300	0.015		
7200	0.014		
8100	0.011		
9000	0.01		
9900	0.011		
10800	0.013		
11700	0.018		
12600	0.017		
13500	0.014		
14400	0.013		
15300	0.013		
16200	0.013		
17100	0.014		
18000	0.016		
18900	0.016		
19800	0.013		
20700	0.012		
21600	0.014		

Date 8/10/2022

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
22500	0.014		
23400	0.013		
24300	0.014		
25200	0.013		
26100	0.012		
27000	0.013		
27900	0.016		
28800	0.013		
29700	0.013		
30600	0.01		
31500	0.012		
32400	0.013		
33300	0.013		
34200	0.014		
35100	0.012		
36000	0.013		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8.53E+09
Firmware Version	3.1
Calibration Date	12/6/2021
Test Name	MANUAL_019
Test Start Time	7:28:04 AM
Test Start Date	8/11/2022
Test Length [D:H:M]	0:09:30
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.011
Mass Minimum [mg/m3]	0.008
Mass Maximum [mg/m3]	0.017
Mass TWA [mg/m3]	0.011
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	38
Date	8/11/2022

Elapsed Time [s]	Mass [mg/m3	Alarms	Errors
900	0.009		
1800	0.011		
2700	0.009		
3600	0.01		
4500	0.009		
5400	0.008		
6300	0.008		
7200	0.009		
8100	0.008		
9000	0.008		
9900	0.008		
10800	0.008		
11700	0.009		
12600	0.009		
13500	0.011		
14400	0.011		
15300	0.012		
16200	0.013		
17100	0.014		
18000	0.017		
18900	0.016		
19800	0.017		
20700	0.017		
21600	0.014		

	Date	8/11/2022		
Elapsed Time [s]		Mass [mg/m3	Alarms	Errors
22500		0.014		
23400		0.013		
24300		0.01		
25200		0.01		
26100		0.01		
27000		0.009		
27900		0.009		
28800		0.009		
29700		0.009		
30600		0.009		
31500		0.009		
32400		0.008		
33300		0.008		
34200		0.008		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530151701
Firmware Version	3.1
Calibration Date	12/6/2021
Test Name	MANUAL_020
Test Start Time	7:14:56 AM
Test Start Date	8/12/2022
Test Length [D:H:M]	0:09:15
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.009
Mass Minimum [mg/m3]	0.006
Mass Maximum [mg/m3]	0.016
Mass TWA [mg/m3]	0.009
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	37
Date	8/12/2022

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.011		
1800	0.01		
2700	0.016		
3600	0.008		
4500	0.008		
5400	0.009		
6300	0.006		
7200	0.011		
8100	0.008		
9000	0.015		
9900	0.009		
10800	0.009		
11700	0.009		
12600	0.009		
13500	0.007		
14400	0.006		
15300	0.007		
16200	0.01		
17100	0.007		
18000	0.009		
18900	0.007		
19800	0.007		
20700	0.008		
21600	0.008		

Date 8/12/2022

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
22500	0.008		
23400	0.008		
24300	0.007		
25200	0.008		
26100	0.007		
27000	0.007		
27900	0.007		
28800	0.007		
29700	0.008		
30600	0.011		
31500	0.009		
32400	0.009		
33300	0.011		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530161717
Firmware Version	3.1
Calibration Date	12/3/2021
Test Name	MANUAL_001
Test Start Time	7:43:06 AM
Test Start Date	7/18/2022
Test Length [D:H:M]	0:09:15
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.005
Mass Minimum [mg/m3]	0.001
Mass Maximum [mg/m3]	0.009
Mass TWA [mg/m3]	0.005
Photometric User Cal	0.38
Flow User Cal	0
Errors	
Number of Samples	37
Date	7/18/2022

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.009		
1800	0.009		
2700	0.007		
3600	0.006		
4500	0.006		
5400	0.006		
6300	0.005		
7200	0.009		
8100	0.008		
9000	0.006		
9900	0.005		
10800	0.004		
11700	0.005		
12600	0.005		
13500	0.005		
14400	0.004		
15300	0.004		
16200	0.004		
17100	0.004		
18000	0.003		
18900	0.001		
19800	0.001		
20700	0.001		
21600	0.001		

Date 7/18/2022

22500	0.001		
23400	0.001		
24300	0.005		
25200	0.007		
26100	0.007		
27000	0.006		
27900	0.004		
28800	0.007		
29700	0.006		
30600	0.006		
31500	0.007		
32400	0.008		
33300	0.006		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530161717
Firmware Version	3.1
Calibration Date	12/3/2021
Test Name	MANUAL_002
Test Start Time	7:14:13 AM
Test Start Date	7/19/2022
Test Length [D:H:M]	0:11:45
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.018
Mass Minimum [mg/m3]	0.015
Mass Maximum [mg/m3]	0.045
Mass TWA [mg/m3]	0.02
Photometric User Cal	0.38
Flow User Cal	0
Errors	
Number of Samples	47
Date	7/19/2022

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.021		
1800	0.02		
2700	0.02		
3600	0.019		
4500	0.019		
5400	0.019		
6300	0.019		
7200	0.019		
8100	0.019		
9000	0.019		
9900	0.019		
10800	0.02		
11700	0.019		
12600	0.02		
13500	0.02		
14400	0.02		
15300	0.02		
16200	0.021		
17100	0.02		
18000	0.02		
18900	0.019		
19800	0.045		
20700	0.018		
21600	0.018		

Date 7/19/2022

22500	0.017		
23400	0.017		
24300	0.017		
25200	0.017		
26100	0.017		
27000	0.016		
27900	0.016		
28800	0.015		
29700	0.016		
30600	0.015		
31500	0.015		
32400	0.015		
33300	0.015		
34200	0.015		
35100	0.015		
36000	0.015		
36900	0.016		
37800	0.015		
38700	0.016		
39600	0.016		
40500	0.016		
41400	0.016		
42300	0.016		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530161717
Firmware Version	3.1
Calibration Date	12/3/2021
Test Name	MANUAL_003
Test Start Time	7:25:58 AM
Test Start Date	7/20/2022
Test Length [D:H:M]	0:12:22
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.01
Mass Minimum [mg/m3]	0
Mass Maximum [mg/m3]	0.013
Mass TWA [mg/m3]	0.005
Photometric User Cal	0.38
Flow User Cal	0
Errors	
Number of Samples	17
Date	

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.013		
1800	0.011		
2700	0.01		
3600	0.01		
4500	0.01		
5400	0.01		
6300	0.013		
7200	0.011		
8100	0.011		
9000	0.011		
9900	0.011		
10800	0.01		
11700	0.01		
12600	0.01		
13500	0.01		
14400	0.011		
44526	0		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530161717
Firmware Version	3.1
Calibration Date	12/3/2021
Test Name	MANUAL_004
Test Start Time	7:19:59 AM
Test Start Date	7/21/2022
Test Length [D:H:M]	0:11:15
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.017
Mass Minimum [mg/m3]	0
Mass Maximum [mg/m3]	0.06
Mass TWA [mg/m3]	0.016
Photometric User Cal	0.38
Flow User Cal	0
Errors	
Number of Samples	46
Date	7/21/2022

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.02		
1528	0		
1800	0.015		
2700	0.012		
3600	0.012		
4500	0.012		
5400	0.013		
6300	0.012		
7200	0.014		
8100	0.014		
9000	0.013		
9900	0.014		
10800	0.014		
11700	0.012		
12600	0.012		
13500	0.013		
14400	0.06		
15300	0.012		
16200	0.015		
17100	0.024		
18000	0.016		
18900	0.012		
19800	0.017		
20700	0.022		

Date 7/21/2022

21600	0.022		
22500	0.015		
23400	0.012		
24300	0.011		
25200	0.01		
26100	0.01		
27000	0.011		
27900	0.036		
28800	0.02		
29700	0.014		
30600	0.026		
31500	0.017		
32400	0.018		
33300	0.023		
34200	0.023		
35100	0.027		
36000	0.019		
36900	0.02		
37800	0.016		
38700	0.016		
39600	0.018		
40500	0.017		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530161717
Firmware Version	3.1
Calibration Date	12/3/2021
Test Name	MANUAL_005
Test Start Time	7:19:38 AM
Test Start Date	7/22/2022
Test Length [D:H:M]	0:11:45
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.026
ass Minimum [mg/m3]	0.007
ass Maximum [mg/m3]	0.229
Mass TWA [mg/m3]	0.026
Photometric User Cal	0.38
Flow User Cal	0
Errors	
Number of Samples	47
Date	12/3/2021

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.029		
1800	0.015		
2700	0.015		
3600	0.012		
4500	0.012		
5400	0.014		
6300	0.011		
7200	0.01		
8100	0.021		
9000	0.013		
9900	0.013		
10800	0.01		
11700	0.01		
12600	0.015		
13500	0.008		
14400	0.007		
15300	0.016		
16200	0.037		
17100	0.01		
18000	0.01		
18900	0.01		
19800	0.087		
20700	0.229		
21600	0.017		

Date 12/3/2021

22500	0.017		
23400	0.013		
24300	0.023		
25200	0.029		
26100	0.022		
27000	0.026		
27900	0.013		
28800	0.05		
29700	0.027		
30600	0.051		
31500	0.06		
32400	0.015		
33300	0.017		
34200	0.026		
35100	0.051		
36000	0.03		
36900	0.028		
37800	0.017		
38700	0.008		
39600	0.01		
40500	0.02		
41400	0.017		
42300	0.023		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530161717
Firmware Version	3.1
Calibration Date	12/3/2021
Test Name	MANUAL_006
Test Start Time	7:13:32 AM
Test Start Date	7/25/2022
Test Length [D:H:M]	0:09:30
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.004
Mass Minimum [mg/m3]	0.001
Mass Maximum [mg/m3]	0.013
Mass TWA [mg/m3]	0.004
Photometric User Cal	0.38
Flow User Cal	0
Errors	
Number of Samples	38
Date	7/25/2022

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.013		
1800	0.01		
2700	0.005		
3600	0.009		
4500	0.005		
5400	0.005		
6300	0.004		
7200	0.004		
8100	0.004		
9000	0.004		
9900	0.003		
10800	0.004		
11700	0.004		
12600	0.004		
13500	0.005		
14400	0.005		
15300	0.004		
16200	0.004		
17100	0.005		
18000	0.005		
18900	0.004		
19800	0.004		
20700	0.004		
21600	0.003		

Date 7/25/2022

22500	0.003		
23400	0.002		
24300	0.002		
25200	0.002		
26100	0.002		
27000	0.002		
27900	0.002		
28800	0.001		
29700	0.001		
30600	0.001		
31500	0.001		
32400	0.001		
33300	0.002		
34200	0.004		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530161717
Firmware Version	3.1
Calibration Date	12/3/2021
Test Name	MANUAL_007
Test Start Time	7:44:58 AM
Test Start Date	7/26/2022
Test Length [D:H:M]	0:13:23
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.003
Mass Minimum [mg/m3]	0
Mass Maximum [mg/m3]	0.016
Mass TWA [mg/m3]	0
Photometric User Cal	0.38
Flow User Cal	0
Errors	Max Concentration
Number of Samples	44
Date	7/26/2022

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.005		
1800	0.004		
2700	0.003		
3600	0.002		
4500	0.002		
5217	0		
5400	0.002		
6300	0.002		
7200	0.002		
8100	0.016		
9000	0.002		
9304	0		
9900	0.004		
10800	0.003		
11700	0.005		
11970	0		
12600	0.004		
13500	0.002		
14400	0.007		
15300	0.005		
16200	0.002		
17100	0.004		
18000	0.003		
18900	0.004		

Date 7/26/2022

19800	0.002		
20700	0.004		
21600	0.004		
22500	0.003		
23400	0.003		
24300	0.002		
25200	0.002		
26100	0.002		
27000	0.002		
27900	0.002		
28800	0.002		
29700	0.002		
30600	0.002		
31500	0.003		
32400	0.003		
33300	0.003		
34200	0.002		
39391	0	Max Concentration	
46314	0	Max Concentration	
48214	0	Max Concentration	

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530161717
Firmware Version	3.1
Calibration Date	12/3/2021
Test Name	MANUAL_008
Test Start Time	7:12:32 AM
Test Start Date	7/27/2022
Test Length [D:H:M]	0:11:30
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.007
Mass Minimum [mg/m3]	0
Mass Maximum [mg/m3]	0.023
Mass TWA [mg/m3]	0
Photometric User Cal	0.38
Flow User Cal	0
Errors	Max Concentration
Number of Samples	43
Date	7/27/2022

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.009		
1800	0.006		
2700	0.006		
3600	0.006		
4500	0.006		
5400	0.006		
6300	0.005		
7200	0.005		
8100	0.004		
9000	0.003		
9900	0.004		
10800	0.004		
11700	0.004		
12600	0.003		
13500	0.003		
14400	0.003		
15300	0.004		
16200	0.003		
17100	0.003		
18000	0.012		
18900	0.005		
19800	0.004		
20700	0.003		
21600	0.004		

Date 7/27/2022

22500	0.007		
23400	0.003		
24300	0.003		
25200	0.003		
26100	0.003		
27000	0.006		
27900	0.018		
28800	0.02		
29700	0.011		
30600	0.011		
31500	0.01		
32400	0.006		
33300	0.006		
34200	0.008		
35100	0.011		
36000	0.008		
36900	0.011		
37800	0.023		
41414	0	Max Concentration	

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530161717
Firmware Version	3.1
Calibration Date	12/3/2021
Test Name	MANUAL_009
Test Start Time	7:15:51 AM
Test Start Date	7/28/2022
Test Length [D:H:M]	0:09:30
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.009
Mass Minimum [mg/m3]	0.002
Mass Maximum [mg/m3]	0.018
Mass TWA [mg/m3]	0.009
Photometric User Cal	0.38
Flow User Cal	0
Errors	
Number of Samples	38
Date	7/28/2022

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.018		
1800	0.012		
2700	0.009		
3600	0.009		
4500	0.009		
5400	0.014		
6300	0.011		
7200	0.01		
8100	0.012		
9000	0.013		
9900	0.014		
10800	0.005		
11700	0.003		
12600	0.003		
13500	0.003		
14400	0.002		
15300	0.005		
16200	0.006		
17100	0.008		
18000	0.009		
18900	0.008		
19800	0.009		
20700	0.013		
21600	0.011		

Date 7/28/2022

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
22500	0.011		
23400	0.011		
24300	0.01		
25200	0.009		
26100	0.009		
27000	0.01		
27900	0.01		
28800	0.009		
29700	0.008		
30600	0.008		
31500	0.009		
32400	0.008		
33300	0.009		
34200	0.009		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530161717
Firmware Version	3.1
Calibration Date	12/3/2021
Test Name	MANUAL_010
Test Start Time	7:31:18 AM
Test Start Date	7/29/2022
Test Length [D:H:M]	0:09:30
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.007
Mass Minimum [mg/m3]	0.003
Mass Maximum [mg/m3]	0.018
Mass TWA [mg/m3]	0.008
Photometric User Cal	0.38
Flow User Cal	0
Errors	
Number of Samples	38
Date	7/29/2022

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.01		
1800	0.009		
2700	0.009		
3600	0.009		
4500	0.009		
5400	0.008		
6300	0.008		
7200	0.008		
8100	0.01		
9000	0.009		
9900	0.018		
10800	0.017		
11700	0.006		
12600	0.005		
13500	0.005		
14400	0.005		
15300	0.007		
16200	0.008		
17100	0.005		
18000	0.004		
18900	0.004		
19800	0.009		
20700	0.008		
21600	0.011		

Date 7/29/2022

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
22500	0.014		
23400	0.008		
24300	0.009		
25200	0.008		
26100	0.005		
27000	0.004		
27900	0.004		
28800	0.004		
29700	0.004		
30600	0.003		
31500	0.004		
32400	0.004		
33300	0.003		
34200	0.004		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530161717
Firmware Version	3.1
Calibration Date	12/3/2021
Test Name	MANUAL_011
Test Start Time	7:14:44 AM
Test Start Date	8/1/2022
Test Length [D:H:M]	0:09:30
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.009
Mass Minimum [mg/m3]	0.005
Mass Maximum [mg/m3]	0.019
Mass TWA [mg/m3]	0.009
Photometric User Cal	0.38
Flow User Cal	0
Errors	
Number of Samples	38
Date	8/1/2022

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.01		
1800	0.009		
2700	0.008		
3600	0.008		
4500	0.009		
5400	0.009		
6300	0.012		
7200	0.009		
8100	0.008		
9000	0.008		
9900	0.008		
10800	0.008		
11700	0.008		
12600	0.008		
13500	0.009		
14400	0.009		
15300	0.009		
16200	0.008		
17100	0.008		
18000	0.007		
18900	0.007		
19800	0.007		
20700	0.013		
21600	0.008		

Date 8/1/2022

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
22500	0.009		
23400	0.014		
24300	0.007		
25200	0.008		
26100	0.011		
27000	0.006		
27900	0.008		
28800	0.007		
29700	0.019		
30600	0.005		
31500	0.007		
32400	0.009		
33300	0.016		
34200	0.01		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530161717
Firmware Version	3.1
Calibration Date	12/3/2021
Test Name	MANUAL_012
Test Start Time	7:16:27 AM
Test Start Date	8/2/2022
Test Length [D:H:M]	0:09:45
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.007
Mass Minimum [mg/m3]	0.002
Mass Maximum [mg/m3]	0.019
Mass TWA [mg/m3]	0.008
Photometric User Cal	0.38
Flow User Cal	0
Errors	
Number of Samples	39
Date	8/2/2022

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.011		
1800	0.009		
2700	0.007		
3600	0.007		
4500	0.01		
5400	0.014		
6300	0.011		
7200	0.018		
8100	0.019		
9000	0.017		
9900	0.014		
10800	0.013		
11700	0.012		
12600	0.007		
13500	0.008		
14400	0.005		
15300	0.004		
16200	0.008		
17100	0.005		
18000	0.005		
18900	0.004		
19800	0.005		
20700	0.003		
21600	0.003		

Date 8/2/2022

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
22500	0.003		
23400	0.004		
24300	0.004		
25200	0.004		
26100	0.004		
27000	0.004		
27900	0.005		
28800	0.007		
29700	0.005		
30600	0.003		
31500	0.003		
32400	0.003		
33300	0.002		
34200	0.003		
35100	0.003		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530161717
Firmware Version	3.1
Calibration Date	12/3/2021
Test Name	MANUAL_013
Test Start Time	7:18:25 AM
Test Start Date	8/3/2022
Test Length [D:H:M]	0:09:45
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.004
Mass Minimum [mg/m3]	0.002
Mass Maximum [mg/m3]	0.006
Mass TWA [mg/m3]	0.004
Photometric User Cal	0.38
Flow User Cal	0
Errors	
Number of Samples	39
Date	8/3/2022

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.005		
1800	0.004		
2700	0.004		
3600	0.004		
4500	0.005		
5400	0.004		
6300	0.004		
7200	0.004		
8100	0.004		
9000	0.004		
9900	0.003		
10800	0.002		
11700	0.003		
12600	0.003		
13500	0.004		
14400	0.004		
15300	0.003		
16200	0.003		
17100	0.003		
18000	0.004		
18900	0.004		
19800	0.003		
20700	0.003		
21600	0.004		

Date 8/3/2022

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
22500	0.004		
23400	0.005		
24300	0.005		
25200	0.005		
26100	0.005		
27000	0.005		
27900	0.005		
28800	0.006		
29700	0.006		
30600	0.005		
31500	0.006		
32400	0.006		
33300	0.005		
34200	0.005		
35100	0.006		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530161717
Firmware Version	3.1
Calibration Date	12/3/2021
Test Name	MANUAL_014
Test Start Time	8:30:20 AM
Test Start Date	8/4/2022
Test Length [D:H:M]	0:08:30
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.009
Mass Minimum [mg/m3]	0.006
Mass Maximum [mg/m3]	0.014
Mass TWA [mg/m3]	0.009
Photometric User Cal	0.38
Flow User Cal	0
Errors	
Number of Samples	34
Date	8/4/2022

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.008		
1800	0.007		
2700	0.006		
3600	0.006		
4500	0.006		
5400	0.006		
6300	0.007		
7200	0.006		
8100	0.006		
9000	0.008		
9900	0.009		
10800	0.012		
11700	0.01		
12600	0.01		
13500	0.01		
14400	0.01		
15300	0.009		
16200	0.009		
17100	0.009		
18000	0.009		
18900	0.009		
19800	0.01		
20700	0.01		
21600	0.007		

Date 8/4/2022

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
22500	0.006		
23400	0.006		
24300	0.007		
25200	0.009		
26100	0.011		
27000	0.013		
27900	0.01		
28800	0.011		
29700	0.014		
30600	0.011		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530161717
Firmware Version	3.1
Calibration Date	12/3/2021
Test Name	MANUAL_015
Test Start Time	7:21:22 AM
Test Start Date	8/5/2022
Test Length [D:H:M]	0:09:30
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.013
Mass Minimum [mg/m3]	0.008
Mass Maximum [mg/m3]	0.031
Mass TWA [mg/m3]	0.012
Photometric User Cal	0.38
Flow User Cal	0
Errors	
Number of Samples	38
Date	8/5/2022

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.011		
1800	0.011		
2700	0.011		
3600	0.011		
4500	0.01		
5400	0.011		
6300	0.012		
7200	0.011		
8100	0.009		
9000	0.009		
9900	0.01		
10800	0.009		
11700	0.009		
12600	0.01		
13500	0.011		
14400	0.011		
15300	0.012		
16200	0.015		
17100	0.014		
18000	0.014		
18900	0.014		
19800	0.011		
20700	0.022		
21600	0.016		

Date 8/5/2022

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
22500	0.01		
23400	0.011		
24300	0.01		
25200	0.016		
26100	0.02		
27000	0.012		
27900	0.013		
28800	0.013		
29700	0.013		
30600	0.016		
31500	0.031		
32400	0.008		
33300	0.008		
34200	0.01		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530161717
Firmware Version	3.1
Calibration Date	12/3/2021
Test Name	MANUAL_016
Test Start Time	12:10:13 AM
Test Start Date	1/1/2000
Test Length [D:H:M]	0:08:45
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.008
Mass Minimum [mg/m3]	0.006
Mass Maximum [mg/m3]	0.01
Mass TWA [mg/m3]	0.008
Photometric User Cal	0.38
Flow User Cal	0
Errors	
Number of Samples	35
Date	1/1/2000

Elapsed Time [s]	Mass [mg/m3]	Alarms
900	0.008	
1800	0.007	
2700	0.007	
3600	0.007	
4500	0.008	
5400	0.008	
6300	0.007	
7200	0.008	
8100	0.007	
9000	0.008	
9900	0.007	
10800	0.007	
11700	0.006	
12600	0.007	
13500	0.007	
14400	0.01	
15300	0.01	
16200	0.009	
17100	0.007	
18000	0.007	
18900	0.007	
19800	0.008	
20700	0.007	
21600	0.007	

Date 1/1/2000

Elapsed Time [s]	Mass [mg/m3]	Alarms
22500	0.008	
23400	0.009	
24300	0.008	
25200	0.007	
26100	0.007	
27000	0.007	
27900	0.007	
28800	0.007	
29700	0.007	
30600	0.008	
31500	0.008	

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530161717
Firmware Version	3.1
Calibration Date	12/3/2021
Test Name	MANUAL_017
Test Start Time	7:37:39 AM
Test Start Date	8/9/2022
Test Length [D:H:M]	0:09:30
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.004
Mass Minimum [mg/m3]	0.003
Mass Maximum [mg/m3]	0.009
Mass TWA [mg/m3]	0.004
Photometric User Cal	0.38
Flow User Cal	0
Errors	
Number of Samples	38
Date	8/9/2022

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.003		
1800	0.003		
2700	0.003		
3600	0.003		
4500	0.003		
5400	0.003		
6300	0.003		
7200	0.003		
8100	0.004		
9000	0.004		
9900	0.004		
10800	0.004		
11700	0.005		
12600	0.005		
13500	0.006		
14400	0.006		
15300	0.005		
16200	0.005		
17100	0.005		
18000	0.005		
18900	0.005		
19800	0.004		
20700	0.004		
21600	0.005		

Date 8/9/2022

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
22500	0.004		
23400	0.006		
24300	0.004		
25200	0.004		
26100	0.004		
27000	0.004		
27900	0.004		
28800	0.004		
29700	0.009		
30600	0.004		
31500	0.005		
32400	0.005		
33300	0.006		
34200	0.007		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530161717
Firmware Version	3.1
Calibration Date	12/3/2021
Test Name	MANUAL_018
Test Start Time	7:36:54 AM
Test Start Date	8/10/2022
Test Length [D:H:M]	0:10:00
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.004
Mass Minimum [mg/m3]	0.002
Mass Maximum [mg/m3]	0.014
Mass TWA [mg/m3]	0.005
Photometric User Cal	0.38
Flow User Cal	0
Errors	
Number of Samples	40
Date	8/10/2022

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.014		
1800	0.012		
2700	0.008		
3600	0.007		
4500	0.005		
5400	0.005		
6300	0.006		
7200	0.005		
8100	0.003		
9000	0.003		
9900	0.003		
10800	0.003		
11700	0.004		
12600	0.004		
13500	0.004		
14400	0.004		
15300	0.004		
16200	0.004		
17100	0.004		
18000	0.004		
18900	0.004		
19800	0.004		
20700	0.003		
21600	0.004		

Date 8/10/2022

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
22500	0.004		
23400	0.003		
24300	0.004		
25200	0.004		
26100	0.004		
27000	0.004		
27900	0.004		
28800	0.004		
29700	0.003		
30600	0.002		
31500	0.003		
32400	0.003		
33300	0.004		
34200	0.004		
35100	0.004		
36000	0.005		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530161717
Firmware Version	3.1
Calibration Date	12/3/2021
Test Name	MANUAL_019
Test Start Time	7:21:46 AM
Test Start Date	8/11/2022
Test Length [D:H:M]	0:09:45
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.005
Mass Minimum [mg/m3]	0.003
Mass Maximum [mg/m3]	0.01
Mass TWA [mg/m3]	0.006
Photometric User Cal	0.38
Flow User Cal	0
Errors	
Number of Samples	39
Date	8/11/2022

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.005		
1800	0.005		
2700	0.004		
3600	0.009		
4500	0.008		
5400	0.01		
6300	0.007		
7200	0.005		
8100	0.006		
9000	0.005		
9900	0.004		
10800	0.004		
11700	0.004		
12600	0.006		
13500	0.009		
14400	0.004		
15300	0.004		
16200	0.01		
17100	0.009		
18000	0.005		
18900	0.006		
19800	0.006		
20700	0.004		
21600	0.005		

Date 8/11/2022

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
22500	0.006		
23400	0.006		
24300	0.006		
25200	0.005		
26100	0.004		
27000	0.005		
27900	0.004		
28800	0.003		
29700	0.003		
30600	0.003		
31500	0.003		
32400	0.003		
33300	0.003		
34200	0.003		
35100	0.003		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530161717
Firmware Version	3.1
Calibration Date	12/3/2021
Test Name	MANUAL_020
Test Start Time	12:07:06 AM
Test Start Date	1/1/2000
Test Length [D:H:M]	0:09:15
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.003
Mass Minimum [mg/m3]	0.002
Mass Maximum [mg/m3]	0.006
Mass TWA [mg/m3]	0.003
Photometric User Cal	0.38
Flow User Cal	0
Errors	
Number of Samples	37
Date	1/1/2000

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.004		
1800	0.004		
2700	0.003		
3600	0.003		
4500	0.003		
5400	0.003		
6300	0.003		
7200	0.002		
8100	0.003		
9000	0.004		
9900	0.006		
10800	0.006		
11700	0.006		
12600	0.002		
13500	0.002		
14400	0.003		
15300	0.002		
16200	0.002		
17100	0.003		
18000	0.002		
18900	0.002		
19800	0.003		
20700	0.003		
21600	0.002		

Date 1/1/2000

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
22500	0.002		
23400	0.004		
24300	0.003		
25200	0.002		
26100	0.002		
27000	0.002		
27900	0.002		
28800	0.002		
29700	0.003		
30600	0.003		
31500	0.003		
32400	0.003		
33300	0.003		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530161717
Firmware Version	3.1
Calibration Date	12/3/2021
Test Name	MANUAL_021
Test Start Time	7:36:22 AM
Test Start Date	8/13/2022
Test Length [D:H:M]	0:02:15
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.012
Mass Minimum [mg/m3]	0.004
Mass Maximum [mg/m3]	0.039
Mass TWA [mg/m3]	0.003
Photometric User Cal	0.38
Flow User Cal	0
Errors	
Number of Samples	9
Date	8/13/2022

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.006		
1800	0.029		
2700	0.004		
3600	0.004		
4500	0.005		
5400	0.005		
6300	0.004		
7200	0.039		
8100	0.008		

APPENDIX D

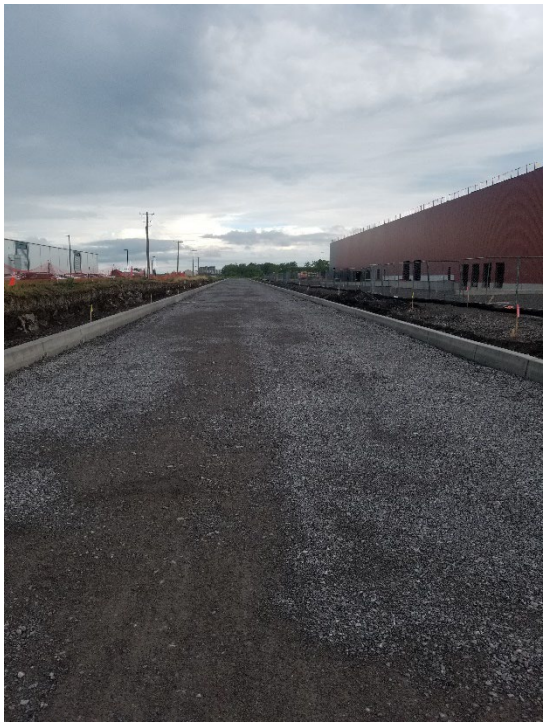
Project Photographic Log

Erosion Control Tube/Sock (typical)

Excavated Material (Typical)

Installation of Drainage Pipe in Trench (Typical)

Installation of Demarcation Layer (Typical)



Road B subgrade and Curbs (Typical)

Sidewalk Installation (Typical)

Final Conditions, of Road, Sidewalks, Grassy Areas, and Entrance Aprons (Typical)

Final Conditions (Typical)