

**NOTE: This Page to be added.**

## **NEW DRUM MANAGEMENT BUILDING PERMIT DRAWINGS**

C-2 - Site Plan

C-5 - Fuels Transfer Ramp Details

E-8 - Drum Storage - Gas Monitoring System

FP-1 - Floor Plans - Fire Protection

FP-2 - Details - Fire Protection

S-0 - Foundation Notes and Required Inspections

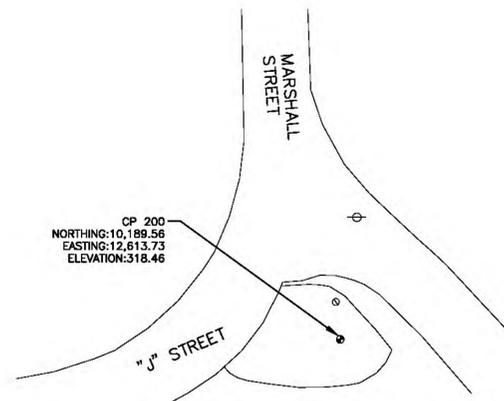
S-1 - Foundation Plan

S-2 - Foundation Details

S-3 - Foundation Details

S-4 - Foundation Details

S-5 - Foundation Details



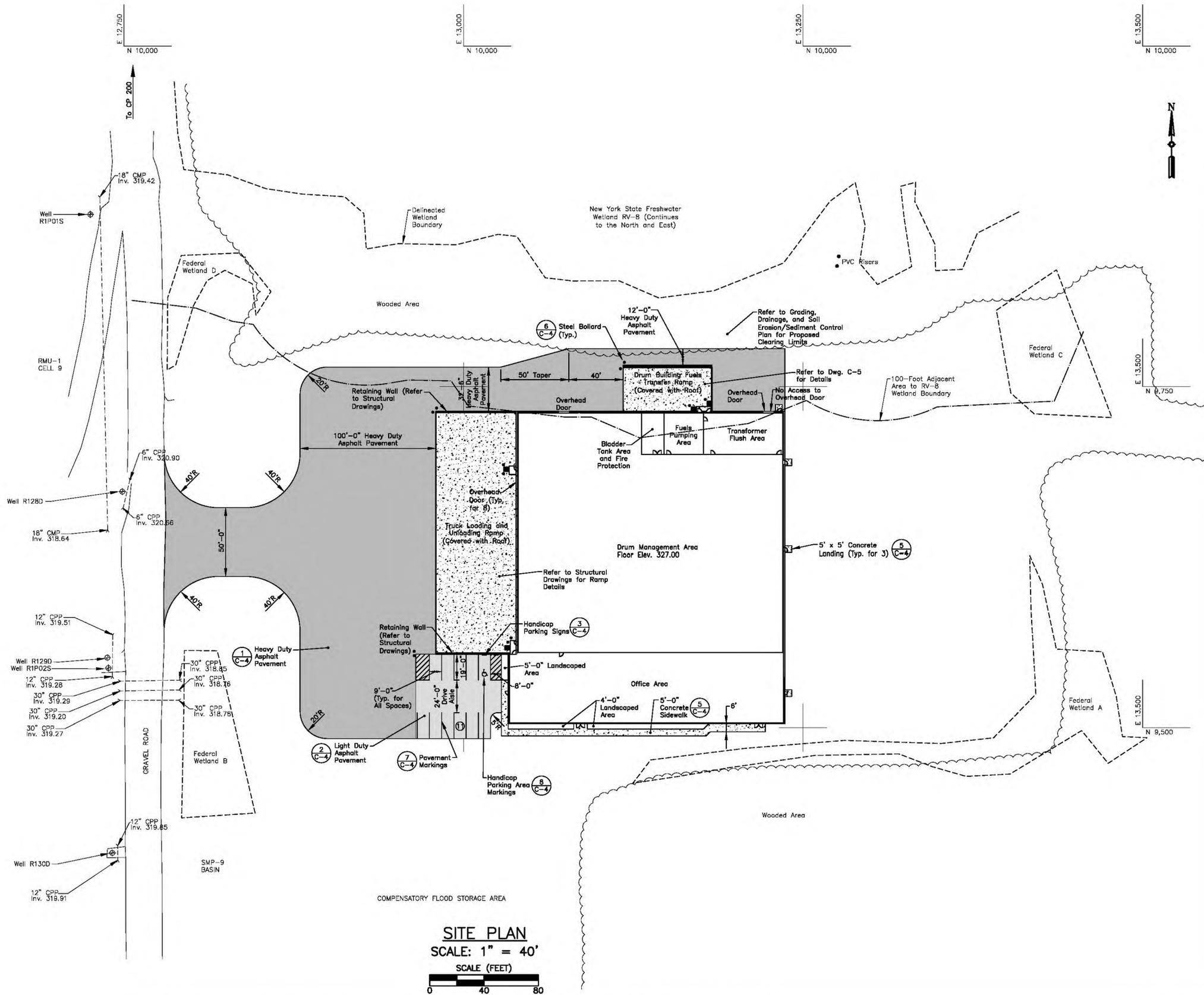
**SITE CONTROL POINT 200**  
SCALE: 1" = 40'

**PROJECT INFORMATION**

Owner: Chemical Waste Management  
1550 Balmer Road  
Youngstown, New York 14174  
716-286-0325  
Tax Account Nos.: 61.00-2-1  
Parcel Size: 482.53 acres  
Project Area: 5.0 acres  
Proposed Development: 45,596 s.f. Drum Management Building

**ZONING INFORMATION**

District: M-3 Heavy Industrial  
Zoning Requirements: Required 2.5 acres, Proposed 482.53 acres, Min. Lot Size 50 l.f., Max. Building Height ?? l.f.  
Parking Requirements: 1 space per 100 s.f. net floor area (office, professional, or business). Must be a minimum of 80% and a maximum of 110% of required spaces.  
45,596 s.f./100 s.f. = 456 parking spaces  
80% x 456 spaces = 365 parking spaces  
Proposed Parking: 11 spaces



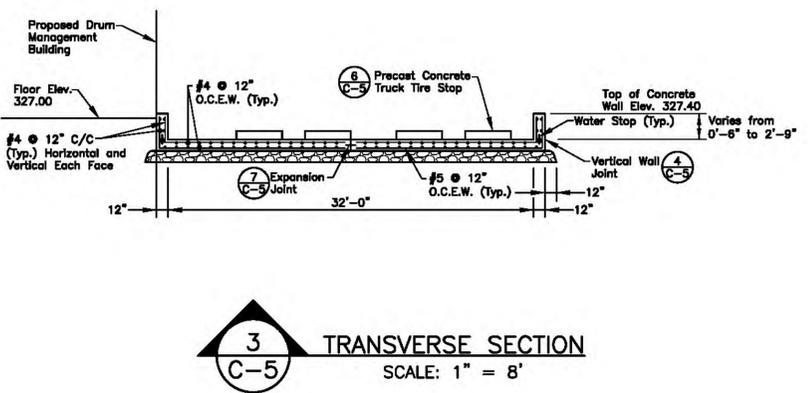
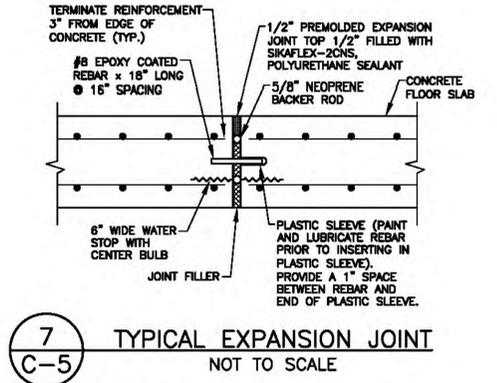
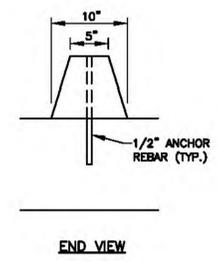
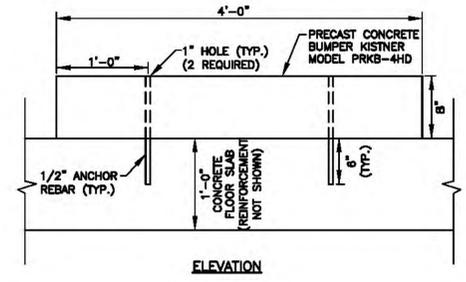
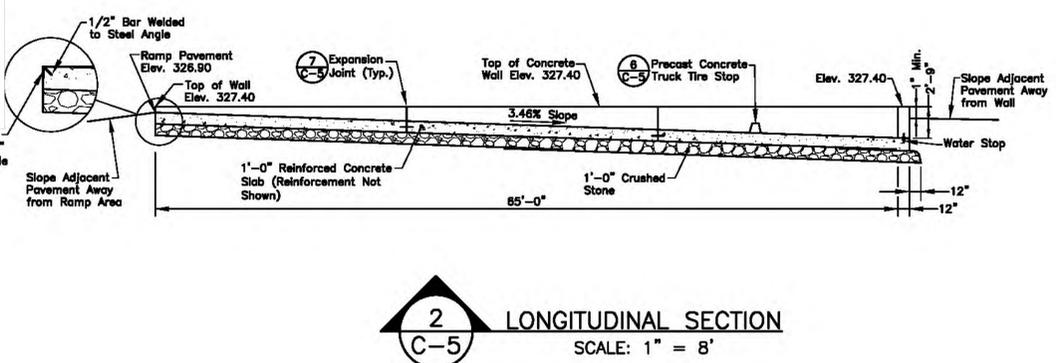
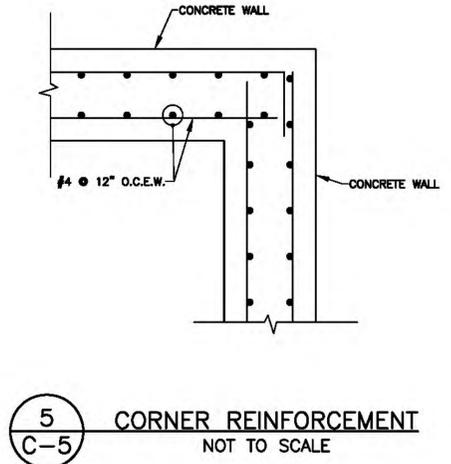
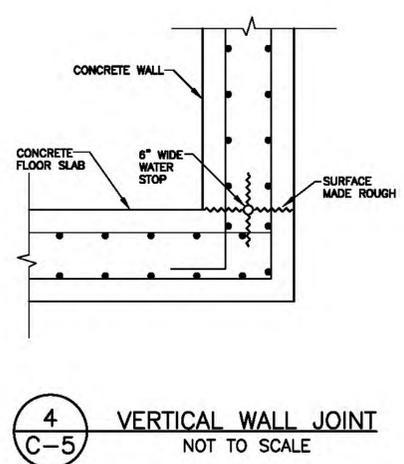
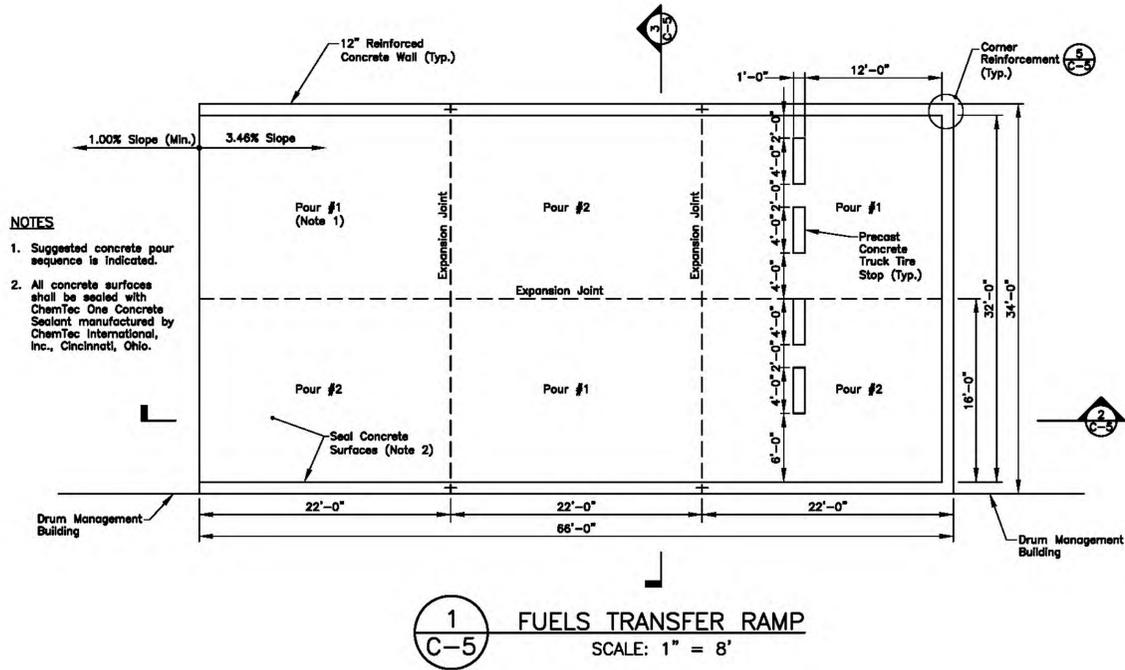
NO.	DATE	APPR.	REVISION
Δ	08/10/12	GFT	REVISIONS TO ADDRESS 04/23/12 NYSDEC REVIEW COMMENTS
Δ	05/30/13	GFT	REVISIONS TO INCORPORATE WETLAND DELINEATION
Δ	10/22/13	GFT	REVISIONS TO INCORPORATE RV-8 WETLAND 100-FOOT ADJACENT AREA

GREAT LAKES ENVIRONMENTAL & SAFETY CONSULTANTS, INC.  
50 RIDGE ROAD  
BUFFALO, NEW YORK 14218  
716-827-0700

**WMM** WASTE MANAGEMENT  
DRUM MANAGEMENT BUILDING  
RELOCATION PROJECT  
CWM CHEMICAL SERVICES, LLC.  
MODEL CITY FACILITY  
MODEL CITY, NEW YORK

NOTE: This Drawing to be added.

CHECKED	DATE	DRAWING NO.	
DESIGN ENGINEER	GFT	C-2	
PROJECT ENGINEER	GFT		
PROJECT MANAGER			
APPROVED		DRAWN	HKT
APPROVED		DATE	6-20-12
		REVISION DATE	MAY 30, 2013
		SCALE	1" = 40'
		JOB NO.	11-406
		FILE NAME	SITE PLAN.DWG
		SHEET	OF



NO.	DATE	APPR.	REVISION
Δ	06/10/12	GFT	REVISIONS TO ADDRESS 04/23/12 NYSDEC REVIEW COMMENTS
Δ	05/30/13	GFT	REVISIONS TO INCORPORATE WETLAND DELINEATION
Δ	06/11/13	GFT	REVISIONS TO INCORPORATE CWM COMMENTS

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**WM** WASTE MANAGEMENT  
DRUM MANAGEMENT BUILDING RELOCATION PROJECT  
CWM CHEMICAL SERVICES, LLC.  
MODEL CITY FACILITY  
MODEL CITY, NEW YORK

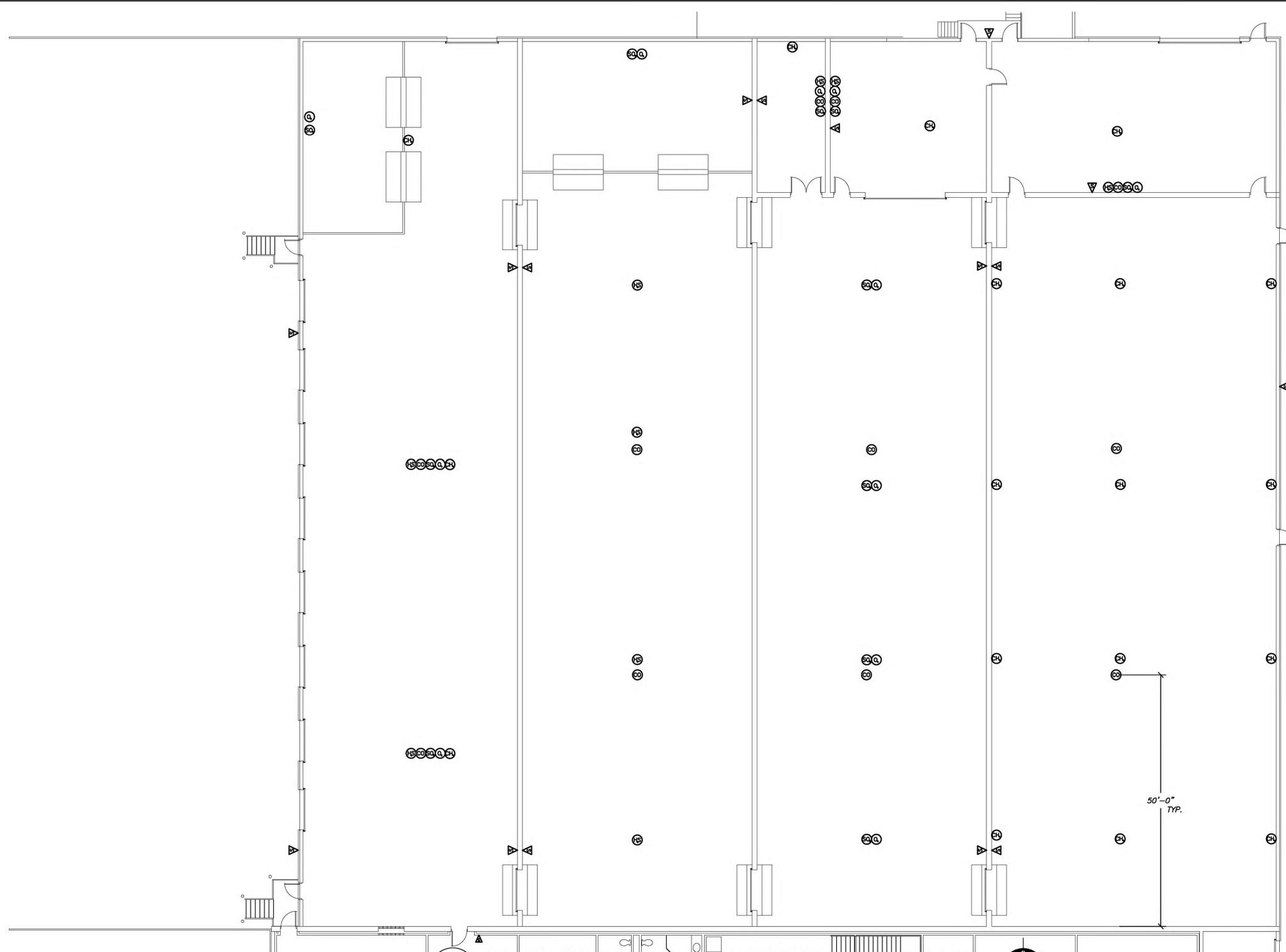
NOTE: THIS DRAWING TO BE ADDED.

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DRAWN		HKT		DATE		6-20-12		REVISION DATE		JUNE 11, 2013	
SCALE		NOT TO SCALE		JOB NO.		11-406		FILE NAME		SITE PLAN.DWG	

DRAWING NO.	C-5
REV. NO.	
SHEET	OF

**FUELS TRANSFER RAMP DETAILS**

NOTE: This Drawing to be added.



- ① OXYGEN SENSOR, MOUNTED 3'A.F.F VULCAIN VA301D202 OR APPROVED EQUAL
- ② CARBON DIOXIDE SENSOR, MOUNTED 3' A.F.F. VULCAIN VA301D260 OR APPROVED EQUAL
- ③ COMBUSTIBLE GAS SENSOR (METHANE), MOUNTED AT CEILING. VULCAIN VA301D2 OR APPROVED EQUAL
- ④ HYDROGEN SULFIDE SENSOR, MOUNTED 3' A.F.F. VULCAIN VA301D2H2S OR APPROVED EQUAL.
- ⑤ SULFUR DIOXIDE SENSOR, MOUNTED 3' A.F.F. VULCAIN 3012D2S02 OR APPROVED EQUAL
- ▽ MULTI-TONE STROBE/HORN VULCAIN MT4 OR APPROVED EQUAL

- A. PROVIDE ALL DEVICES, CONDUIT AND FITTINGS AS EXPLOSION PROOF, PER NEC AS CLASS I, DIV. 2. CRITERIA, EXPLOSION PROOF.
- B. PROVIDE ALL SENSORS AT LOCATIONS SHOWN BY TYPICAL DIMENSIONS.
- C. PROVIDE VULCAIN SPLASH GUARD D2SG FOR ALL SENSORS, OR APPROVED EQUAL.
- D. PROVIDE CALIBRATION KITS FOR ALL SENSORS.
- E. PROVIDE (1) SPARE CALIBRATED CIRCUIT BOARD W/ SENSOR FOR EACH SENSOR TYPE.

1  
E-8  
DRUM STORAGE - GAS MONITORING SYSTEM  
SCALE: 3/32" = 1'-0"



NO.	DATE	APPR.	REVISION

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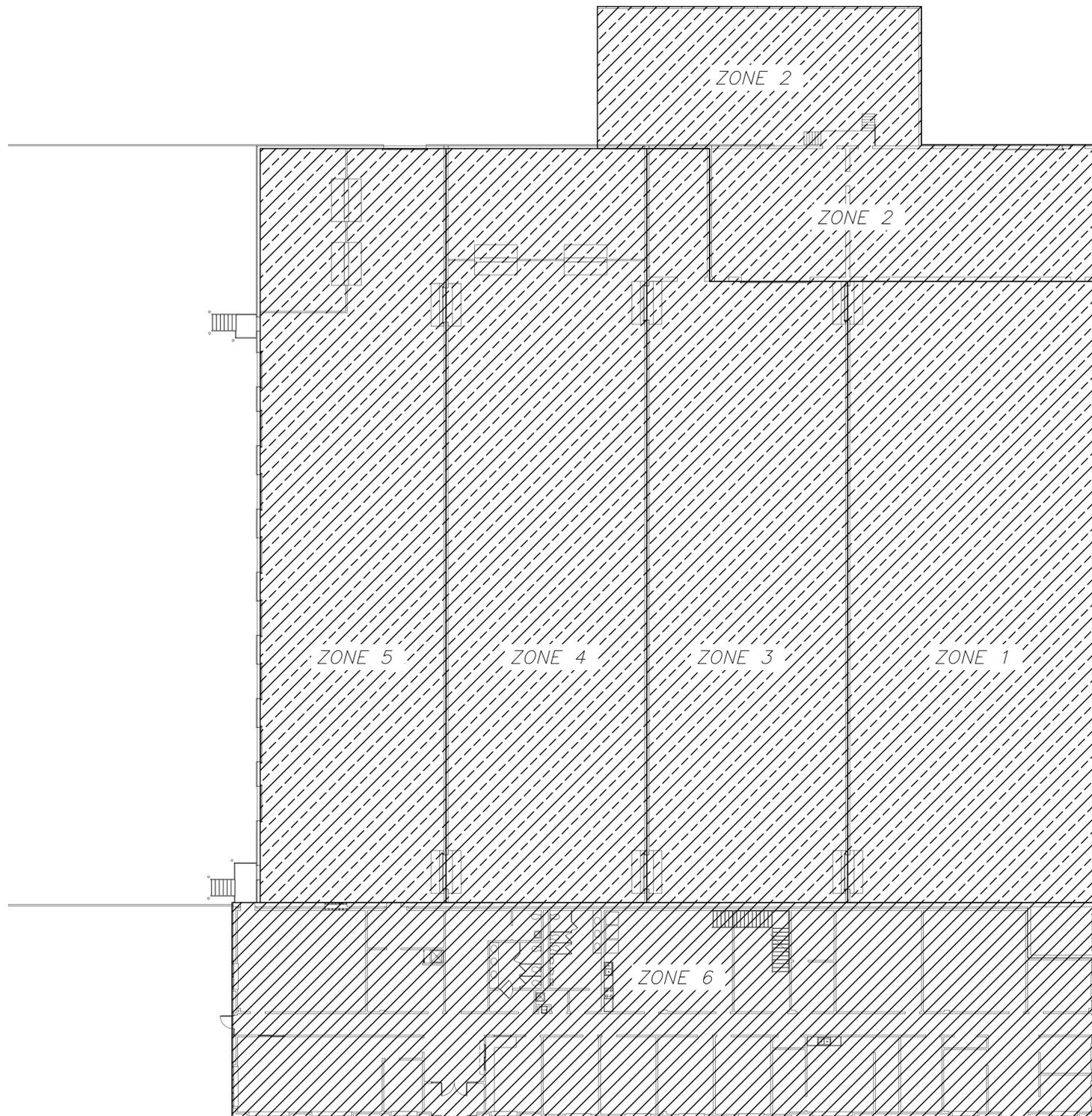
**WMM**  
 DRUM MANAGEMENT BUILDING RELOCATION PROJECT  
 CWM CHEMICAL SERVICES, LLC.  
 MODEL CITY FACILITY  
 MODEL CITY, NEW YORK



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DESIGN ENGINEER	RS	
PROJECT ENGINEER		
PROJECT MANAGER		
APPROVED		
APPROVED		

DRUM STORAGE - GAS MONITORING SYSTEM			
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	1/19/12		
SCALE	JOB NO.	FILE NAME	
AS NOTED			

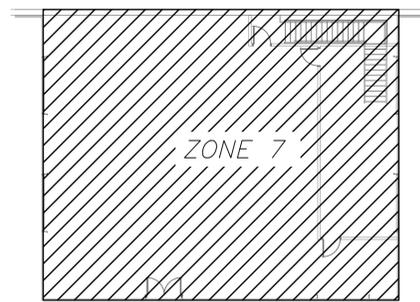
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DWG. E-8	
REV. NO.	
SHEET	OF



1  
FP-1  
FIRST FLOOR PLAN - FIRE PROTECTION  
SCALE: 1/16" = 1'-0"

FIRE SUPPRESSION SYSTEM NOTES:

1. REFER TO SPECIFICATIONS FOR GENERAL REQUIREMENTS AND PROCEDURES APPLICABLE TO PERFORMANCE REQUIREMENTS AND MATERIALS OF CONSTRUCTION.
2. CONTRACTOR SHALL HIRE A QUALIFIED PROFESSIONAL ENGINEER SPECIALIZING IN THE PERFORMANCE REQUIREMENTS PER N.F.P.A. AND ALL OTHER GOVERNING AUTHORITIES.
3. CONTRACTOR SHALL COORDINATE INSTALLATION OF FIRE PROTECTION SYSTEM WITH OTHER COMPONENTS AND SYSTEMS INCLUDING, BUT NOT LIMITED TO, BUILDING STRUCTURE, DUCTWORK, DIFFUSERS, DUCTWORK APPARATUS, LIGHT FIXTURES, ELECTRICAL CONDUIT AND FITTINGS, CONTROL AND SIGNAL WIRING, AND SUSPENDED CEILING COMPONENTS.
4. ALL WET PIPE SYSTEM PIPING SHALL BE PREPARED WITH GROOVED ENDS TO ALLOW PIPE TO BE FIELD JOINED WITH GROOVED FITTINGS AND COUPLINGS. PIPE FOR WET PIPE SYSTEMS WILL ALSO BE SHOP PREPARED WITH VICTAULIC MECHANICAL TEES TO CREATE OUTLETS FOR SPRINKLER GRID AND BRANCH LINES.
5. ALL FITTINGS ON 1"- 2" WET SYSTEM PIPE SIZES ARE TO BE BLACK CAST IRON, STANDARD WEIGHT. DRY CHEMICAL SYSTEM FITTINGS SHALL BE MALLEABLE, GALVANIZED FOR ALL SIZES.
6. ALL WET PIPE SYSTEM FITTINGS ON PIPE 2 1/2" AND LARGER ARE TO BE VICTAULIC FIRELOCK, U.N.O.
7. ALL GROOVED COUPLINGS ARE TO VICTAULIC FIRELOCK, U.N.O.
8. ALL HANGERS ARE TO BE BLACK STEEL, U.N.O.
9. ALL BRANCH LINE OUTLETS ON MAINS ARE TO BE VIC. MECHANICAL TEES, U.N.O.
10. ALL PIPE, VALVES, FITTINGS AND HANGERS SHALL BE IN ACCORDANCE WITH THE LATEST NFPA-13 AND NFPA-17. SYSTEM DESIGNS SHALL BE IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND LOCAL REGULATIONS.



2  
FP-1  
SECOND FLOOR PLAN - FIRE PROTECTION  
SCALE: 1/16" = 1'-0"

NO.	DATE	APPR.	REVISION

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**WM**  
WASTE MANAGEMENT  
DRUM MANAGEMENT BUILDING  
RELOCATION PROJECT  
CWM CHEMICAL SERVICES, LLC.  
MODEL CITY FACILITY  
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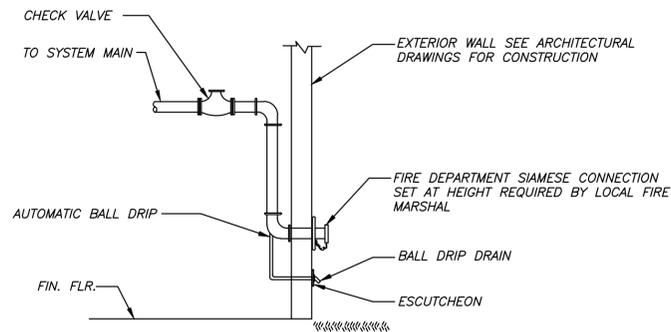


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DESIGN ENGINEER	WAB		
PROJECT ENGINEER			
PROJECT MANAGER			
APPROVED		DATE	6/20/12
APPROVED		SCALE	AS NOTED

FLOOR PLANS - FIRE PROTECTION

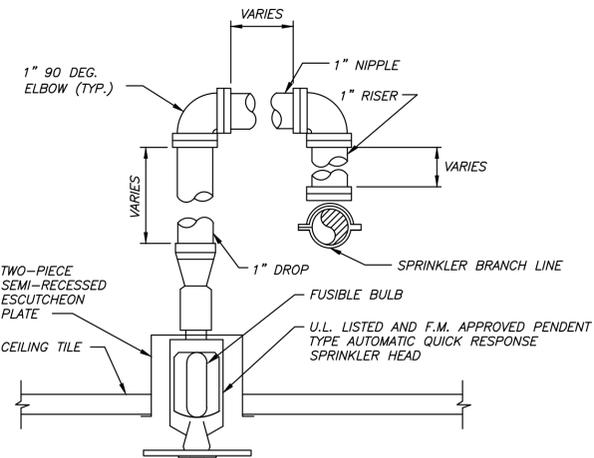
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SCALE	JOB NO.		FILE NAME	

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SHEET	OF

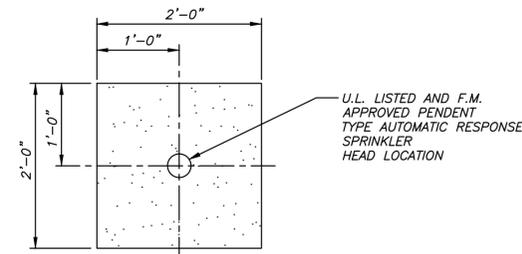


NOTES:  
1. REMOVE EXISTING FIRE DEPARTMENT CONNECTION AND REPLACE WITH NEW AT SAME LOCATION.

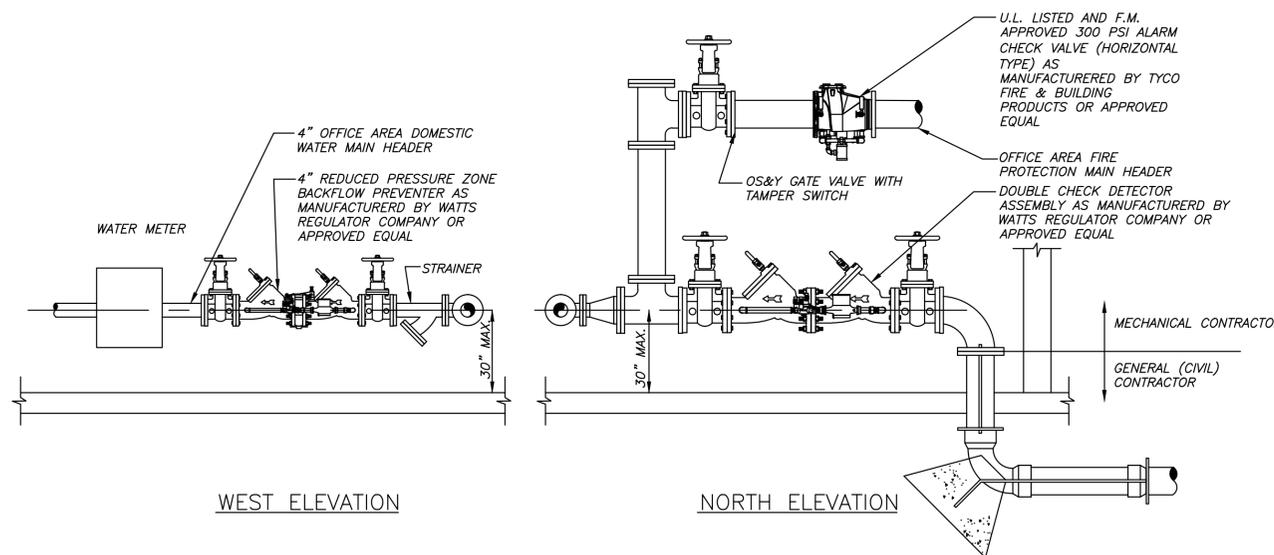
1 **TYPICAL FIRE DEPARTMENT CONNECTION DETAIL**  
FP-2 SCALE: NONE



2 **TYPICAL SEMI- RECESSED PENDENT SPRINKLER RISER DETAIL**  
FP-2 SCALE: NONE



3 **TYPICAL SPRINKLER HEAD LOCATION IN 2' X 2' CEILING TILE**  
FP-2 SCALE: NONE



4 **FIRE/DOMESTIC WATER CONNECTION DETAIL**  
FP-2 SCALE: NONE

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**WASTE MANAGEMENT**  
DRUM MANAGEMENT BUILDING  
RELOCATION PROJECT  
CWM CHEMICAL SERVICES, LLC.  
MODEL CITY FACILITY  
MODEL CITY, NEW YORK



CHECKED	WAB	DATE
DESIGN ENGINEER	AJW	
PROJECT ENGINEER		
PROJECT MANAGER		
APPROVED		
APPROVED		

DETAILS - FIRE PROTECTION			
DRAWN	DATE	REVISION DATE	
SCALE	JOB NO.	FILE NAME	
AS NOTED			

DRAWING NO.	DWG. FP-2
REV. NO.	
SHEET	OF

**EARTHWORK NOTES**

- FOUNDATION DESIGNS ARE BASED ON AN ASSUMED ALLOWABLE SOIL BEARING PRESSURE OF 2000 PSF.
- ALL FOOTINGS ARE TO BE PLACED ON CLEAN, DRY, LEVEL, COMPACTED NATIVE SOIL OR ON ENGINEERED STRUCTURAL FILL. FOR BIDDING PURPOSES, DEPTH TO EXISTING NATIVE SOIL SHALL BE TAKEN AS 4'-0" BELOW FINISHED FLOOR DATUM ELEVATION (0'-0"). THE CONTRACTOR SHALL FIELD DETERMINE THE EXACT DEPTH TO NATIVE SOIL, AND ADJUST REQUIRED FOUNDATION ELEVATIONS ACCORDINGLY. SUBGRADE SOILS SHALL BE COMPACTED TO DENSITIES IN EXCESS OF 95% OF THE MAXIMUM DRY DENSITY, AS DETERMINED BY ASTM D657. PLACE 8" LAYERS OF ENGINEERED STRUCTURAL FILL AS REQUIRED TO OBTAIN THE REQUIRED BEARING ELEVATIONS INDICATED ON THE DRAWINGS. ALL ENGINEERED FILL MUST BE COMPACTED TO AT LEAST 95% OF ITS MAXIMUM DRY DENSITY, AS DETERMINED BY ASTM D657.
- IMPORTED ENGINEERED STRUCTURAL FILL PLACED AS FILL BENEATH PROPOSED FOUNDATIONS AND AS BACKFILL AGAINST PROPOSED FOUNDATIONS SHALL BE A MATERIAL CONSISTING OF PREDOMINATELY GRANULAR SOILS, FREE FROM ORGANIC MATTER, CLAY, ICE, DEBRIS, OR OTHER DELETERIOUS MATERIAL. STRUCTURAL FILL SHALL CONSIST OF A WELL-GRADED MATERIAL HAVING A MAXIMUM PARTICLE SIZE OF 3 INCHES AND LESS THAN 7% BY WEIGHT PASSING THE NO. 200 SIEVE.
- THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL MATERIALS, EQUIPMENT AND LABOR NECESSARY TO ADEQUATELY CONTROL SURFACE RUNOFF AND GROUNDWATER SEEPAGE ON A CONTINUOUS BASIS DURING CONSTRUCTION. NO SURFACE RUNOFF OR GROUNDWATER WILL BE PERMITTED TO ENTER CONSTRUCTION EXCAVATIONS. ALL BACKFILL OPERATIONS SHALL BE CONDUCTED IN DRY AREAS ONLY.
- TAKE ALL NECESSARY PRECAUTIONS WHEN EXCAVATING NEXT TO EXISTING BUILDINGS TO AVOID DAMAGE TO EXISTING FOUNDATIONS. PROVIDE TEMPORARY SHORING IN THESE AREAS AS REQUIRED.
- ALL EXCAVATIONS SHALL FULLY CONFORM TO ALL LOCAL, STATE AND FEDERAL SAFETY REGULATIONS.
- ALL FILL MATERIAL PLACED BENEATH FLOOR SLABS AND FOUNDATIONS, AND AGAINST FOUNDATIONS SHALL BE SPREAD IN MAXIMUM 8" THICK LAYERS AND UNIFORMLY COMPACTED TO AT LEAST 95% OF ITS MAXIMUM DRY DENSITY AS DETERMINED BY THE MODIFIED PROCTOR TEST (ASTM D657). IN OVEREXCAVATED AREAS OR CONFINED AREAS, THE FILL SHALL BE PLACED IN MAXIMUM 8" THICK LIFTS AND COMPACTED TO 95% USING A MANUALLY OPERATED COMPACTOR.
- BACKFILL BOTH SIDES OF FOUNDATION WALLS IN EQUAL, ALTERNATE LIFTS IN ORDER TO AVOID IMPOSING EXCESSIVE UNBALANCED LATERAL PRESSURE ON THE WALLS.
- BACKFILL MATERIALS REQUIRED AS A RESULT OF OVER-EXCAVATION BY THE CONTRACTOR WITHOUT PRIOR APPROVAL SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- ALLOW TESTING AGENCY TO INSPECT AND APPROVE ALL COMPACTED SUBGRADE AND FILL LAYERS PRIOR TO FURTHER BACKFILL AND/OR PLACEMENT OF CONCRETE. TEST RESULTS SHALL BE TO THE COMPLETE SATISFACTION OF THE OWNER AND ALL GOVERNING AUTHORITIES. REFER TO PROJECT SPECIFICATIONS FOR BALANCE OF REQUIREMENTS REGARDING SUBMITTALS, STORAGE AND HANDLING, JOB CONDITIONS, MANNER OF EXECUTION AND METHODS OF CONTROL FOR EXCAVATIONS

**FOUNDATION NOTES**

- TOP OF FOOTING ELEVATIONS ARE REFERENCED FROM FINISHED FLOOR SLAB DATUM ELEV. 0'-0", AND ARE NOTED THIS: [ ] ON PLAN OR NOTED IN THE TYPICAL FOOTING DESIGNATIONS.
- REFER TO PROJECT SPECIFICATIONS FOR ALL REQUIRED CONCRETE PROPERTIES.
- ALL REINFORCING BARS SHALL CONFORM TO ASTM A615 GRADE 60.
- PROVIDE 2 - #5 BARS x 4 FT. LONG DIAGONALLY AT CORNERS OF ALL OPENINGS IN CONCRETE SLABS.
- PROVIDE #4 DONNELS @ 16" O.C. FROM EXTERIOR SLABS, SIDEWALKS, ETC. INTO FOUNDATION WALLS AT ALL EXTERIOR DOORS.
- PROVIDE CONCRETE COVER OVER REINFORCING IN ACCORDANCE WITH THE REQUIREMENTS OF ACI 318.
- ALL REINFORCING SHALL BE DETAILED, FABRICATED, AND PLACED IN ACCORDANCE WITH THE LATEST REQUIREMENTS OF ACI 318.
- SECTIONS INDICATED ON PLAN ARE TYPICAL FOR SIMILAR CONDITIONS.

**MASONRY NOTES**

- ALL MASONRY ASSEMBLIES SHALL HAVE F<sub>m</sub> = 1500 PSI
- DESIGN AND PROVIDE TEMPORARY BRACING OF MASONRY WALLS DURING CONSTRUCTION. BRACING SHALL REMAIN IN PLACE UNTIL PERMANENT SUPPORTING ELEMENTS OF THE STRUCTURE HAVE BEEN CONSTRUCTED. BRACING SHALL FULLY CONFORM TO ALL OSHA REQUIREMENTS.
- ALL BLOCK SHALL CONFORM TO ASTM C90.
- REFER TO PROJECT SPECIFICATIONS FOR ALL REQUIRED MORTAR AND GROUT PROPERTIES.

**SCHEDULE OF STRUCTURAL SPECIAL INSPECTIONS**

THE FOLLOWING TABLES DENOTE THE STRUCTURAL SPECIAL INSPECTION REQUIREMENTS FOR THIS PROJECT IN ACCORDANCE WITH CHAPTER 17 OF THE BUILDING CODE OF NEW YORK STATE. REFER TO THE PROJECT SPECIFICATIONS FOR REQUIRED QUALIFICATIONS OF ALL PERSONNEL PERFORMING SPECIAL INSPECTION ACTIVITIES.

EARTHWORK OPERATIONS - REQUIREMENTS FOR SPECIAL INSPECTION & TESTING				
AREAS OF INSPECTION & TESTING	FREQUENCY OF INSPECTION OR TESTING		REFERENCE STANDARD	BCNYS REFERENCE
	CONTINUOUS	PERIODIC		
1. PRIOR TO PLACEMENT OF ENGINEERED OR ON-SITE FILL MATERIAL, CONFIRM THAT SUBGRADE HAS BEEN PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE PROJECT DOCUMENTS.		X		1704.7.1
2. DURING PLACEMENT AND COMPACTION OF FILL MATERIAL, VERIFY THAT THE MATERIAL AND ITS METHOD OF PLACEMENT AND COMPACTION CONFORM TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.		X		1704.7.2
3. CONFIRM THAT THE FINAL IN-PLACE DENSITY OF THE FILL MATERIAL MEETS THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.		X		1704.7.3
4. INSPECT FOUNDATION BEARING STRATA PRIOR TO PLACING CONCRETE FOR CONFORMANCE TO REQUIREMENTS OF THE CONTRACT DOCUMENTS.	X			
5. VERIFY THAT UNDERSLAB GRANULAR FILL AND ITS METHOD OF PLACEMENT CONFORM TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.		X		

MASONRY CONSTRUCTION - REQUIREMENTS FOR LEVEL 1 SPECIAL INSPECTION & TESTING				
AREAS OF INSPECTION & TESTING	FREQUENCY OF INSPECTION OR TESTING		REFERENCE STANDARD	BCNYS REFERENCE
	CONTINUOUS	PERIODIC		
1. AS MASONRY CONSTRUCTION BEGINS, VERIFY THAT THE FOLLOWING ITEMS ARE IN COMPLIANCE: A. PROPORTIONS OF SITE-PREPARED MORTAR. B. CONSTRUCTION OF MORTAR JOINTS. C. SIZE, LOCATION AND SPACING OF REINFORCEMENT.		X X X	ACI 530.1 ART. 2.6A ACI 530.1 ART. 3.3B ACI 530.1 ART. 3.4 & 3.6A	1903.5, 1907.1, 1907.7, 1914.4
2. VERIFY THE FOLLOWING DURING CONSTRUCTION: A. SIZE AND LOCATION OF STRUCTURAL ELEMENTS. B. TYPE, SIZE AND LOCATION OF ANCHORS, INCLUDING DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES OR OTHER CONSTRUCTION. C. SPECIFIED SIZE, GRADE AND TYPE OF REINFORCEMENT. D. PROPER WELDING OF REINFORCING BARS. E. PROPER PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40°F) OR HOT WEATHER (TEMPERATURE ABOVE 90°F).		X X X X	ACI 530.1 ART. 3.3G ACI 530.1 SEC. 1.5.4 & 2.1.2  ACI 530.1 SEC. 1.1.2, ACI 530.1 ART. 2.4 & 3.4 ACI 530.1 SEC. 2.1.6.5, 2.1.6.2 ACI 530.1 ART. 1.8	2108.9.2.11, ITEM 2 2104.3, 2104.4
3. VERIFY THE FOLLOWING PRIOR TO GROUTING: A. GROUT SPACE IS CLEAN. B. PLACEMENT OF REINFORCEMENT AND ANCHORS IS IN ACCORDANCE WITH CONTRACT DOCUMENTS. C. PROPER PROPORTIONS OF SITE-PREPARED GROUT. D. PROPER CONSTRUCTION OF MORTAR JOINTS.	X	X X X	ACI 530.1 ART. 3.2D ACI 530.1 SEC. 1.1.2, ACI 530.1 ART. 3.4 ACI 530.1 ART. 2.6B ACI 530.1 ART. 3.3B	
4. VERIFY THE FOLLOWING DURING GROUTING: A. GROUT PLACEMENT IS IN COMPLIANCE WITH ALL CODE AND CONTRACT DOCUMENT REQUIREMENTS.	X		ACI 530.1 ART. 3.5	
5. OBSERVE THE PREPARATION OF ALL REQUIRED GROUT AND MORTAR SPECIMENS.	X		ACI 530.1 ART. 1.4	2105.3, 2105.4, 2105.5
6. COMPLY WITH ALL REQUIRED INSPECTION PROVISIONS OF THE CONTRACT DOCUMENTS AND APPROVED SUBMITTALS.		X	ACI 530.1 ART. 1.5	

CAST-IN-PLACE CONCRETE - REQUIREMENTS FOR SPECIAL INSPECTION & TESTING				
AREAS OF INSPECTION & TESTING	FREQUENCY OF INSPECTION OR TESTING		REFERENCE STANDARD	BCNYS REFERENCE
	CONTINUOUS	PERIODIC		
1. INSPECT REINFORCING STEEL FOR CORRECT MATERIAL, SIZE, CONDITION AND PLACEMENT.		X	ACI 318-3.5 ACI 318-7.1-7.7	1903.5, 1907.1, 1907.7, 1914.4
2. INSPECT REINFORCING STEEL WELDING IN ACCORDANCE WITH BCNYS TABLE 1704.3, ITEM 5B.		X	AWS D1.4 ACI 318-3.5.2	1903.5.2
3. PRIOR TO AND DURING PLACEMENT OF CONCRETE, INSPECT BOLTS AND ANCHOR RODS INSTALLED IN CONCRETE FOR PROPER LOCATION AND DEPTH OF EMBEDMENT.	X			1912.5
4. VERIFY THAT REQUIRED CONCRETE DESIGN MIX IS USED IN CORRECT LOCATIONS.		X	ACI 318-CH. 4 ACI 318-5.2-5.4	1904, 1905.2, 1905.3, 1905.4, 1914.2, 1914.3
5. TAKE SAMPLES OF FRESH CONCRETE TO PERFORM SLUMP TESTS AND MEASURE AIR CONTENT AND TEMPERATURE OF THE CONCRETE BEING PLACED. MAKE TEST CYLINDERS FOR STRENGTH TESTS.	X		ASTM C172 ASTM C31 ACI 318-5.6, 5.8	1905.6, 1914.10
6. VERIFY THAT PROPER INSTALLATION TECHNIQUES ARE BEING USED TO PLACE CONCRETE.	X		ACI 318-5.9, 5.10	1905.9, 1905.10, 1914.6, 1914.7, 1914.8
7. INSPECT FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.		X	ACI 318-5.11-5.13	1905.11, 1905.13, 1914.9
8. VERIFY CONCRETE STRENGTH BY TESTING CYLINDERS CONSTRUCTED OF FRESHLY PLACED CONCRETE.		X		

STEEL CONSTRUCTION - REQUIREMENTS FOR SPECIAL INSPECTION & TESTING (SUBJECT TO CONSTRUCTION DETAILS OF PRE-ENGINEERED BUILDING)				
AREAS OF INSPECTION & TESTING	FREQUENCY OF INSPECTION OR TESTING		REFERENCE STANDARD	BCNYS REFERENCE
	CONTINUOUS	PERIODIC		
1. FABRICATOR'S SHOP TESTING AND QUALITY CONTROL PROGRAM: A. VERIFY FABRICATOR'S CERTIFICATION AND QUALITY CONTROL PROGRAM. B. SPECIAL INSPECTIONS REQUIRED IN FABRICATOR'S SHOP FOR ELEMENTS IDENTIFIED BELOW.	NOT REQD. IF FABRICATOR IS AISC CERTIFIED	X	AISC PLANT CERTIFICATION PROGRAM	1704.2
2. REVIEW MATERIAL CERTIFICATIONS FOR HIGH-STRENGTH BOLTS, NUTS AND WASHERS: A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN CONSTRUCTION DOCUMENTS. B. MANUFACTURER'S CERTIFICATES OF COMPLIANCE REQUIRED.		X	APPLICABLE ASTM MATERIAL SPECIFICATIONS, AISC SECT. A3.3	
3. INSPECT HIGH-STRENGTH BOLTED CONNECTIONS: A. BEARING-TYPE CONNECTIONS. B. SLIP-CRITICAL CONNECTIONS.	X X	X	AISC SECT. M2.5	1704.3.3
4. VERIFY STRUCTURAL STEEL MATERIAL CERTIFICATIONS: A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN CONSTRUCTION DOCUMENTS. B. MANUFACTURER'S CERTIFIED MILL TEST REPORTS REQUIRED.			ASTM A6 ASTM A6	1708.4
5. VERIFY WELD FILLER MATERIAL CERTIFICATIONS: A. IDENTIFICATION MARKINGS TO CONFORM TO AWS REQUIREMENTS SPECIFIED IN THE CONSTRUCTION DOCUMENTS. B. MANUFACTURER'S CERTIFICATES OF COMPLIANCE REQUIRED.			AISC SECT. A3.5	
6. CONDUCT WELD INSPECTIONS AS FOLLOWS: A. COMPLETE AND PARTIAL PENETRATION GROOVE WELDS. B. MULTI-PASS FILLET WELDS. C. SINGLE-PASS FILLET WELDS > 5/16" D. SINGLE-PASS FILLET WELDS <= 5/16" E. FLOOR DECK AND ROOF DECK WELDS.	X X X	X X	AWS D1.1 AWS D1.3	1704.3.1
7. INSPECT STEEL FRAME JOINT DETAILS FOR COMPLIANCE WITH CONSTRUCTION DOCUMENTS: A. DETAILS SUCH AS BRACING AND STIFFENERS. B. MEMBER LOCATIONS. C. APPLICATION OF JOINT DETAILS AT EACH CONNECTION.		X		1704.3.2

NO.	DATE	APPR.	REVISION

GREAT LAKES ENVIRONMENTAL & SAFETY CONSULTANTS, INC.  
50 RIDGE ROAD  
BUFFALO, NEW YORK 14218  
716-827-0700

**WASTE MANAGEMENT**  
DRUM MANAGEMENT BUILDING  
RELOCATION PROJECT  
CWM CHEMICAL SERVICES, LLC.  
MODEL CITY FACILITY  
MODEL CITY, NEW YORK



FOUNDATION NOTES AND REQUIRED INSPECTIONS

DESIGN ENGINEER: [Signature]  
PROJECT ENGINEER: [Signature]  
PROJECT MANAGER: [Signature]

APPROVED: [Signature] DATE: 6/20/12  
SCALE: AS NOTED  
JOB NO.: [Blank]  
FILE NAME: [Blank]

DRW: FMF  
DATE: 6/20/12  
REVISION DATE: [Blank]

DRWING NO. S-0  
REV. NO. [Blank]  
SHEET 1 OF 6