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Soil and Groundwater Problems Solved

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ISS CONTRACTOR

SITE OPERATIONS PLAN

EXTELL HUDSON WATERFRONT I LLC
FORMER EXCELSIOR BAG (NYSDEC BCP SITE NO. C360190)
COAL TAR IN-SITU SOLIDIFICATION (ISS) TREATMENT

April 9, 2024

Prepared by:

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1. INTRODUCTION

Geo-Solutions, Inc. (GSI) has developed this Work Plan to outline our approach to completing the In-Situ Solidification (ISS) of impacted soils and associated activities using the auger mixing method at the Former Excelsior Bag project site in Yonkers, NY. The work will be performed in accordance with the project specifications, drawings, addendums, relative correspondences, and this work plan. GSI will work closely with Posillico, AKRF, and the Owner throughout the course of the project to ensure the work is completed safely and effectively.

The project consists of ISS of approximately 41,237 neat cubic yards (CY) of MGP-impacted soils as indicated on project drawings H100-H101 and as detailed in the NYSDEC-approved RAWP. Additional cubic yards will need to be installed to provide 100% treatment of the areas (estimated at 6,800 CY of additional mixing). Along the southern property boundary, columns will be installed tangent to the property limit of the site, which will result it in small scalloped areas remaining untreated (approximately 412 cubic yards). Table – 1 ISS Grid Cell Design and Table 2 – ISS Auger Column Summary can be found in Attachment 1 and Attachment 2 for reference.

The means and methods described herein are subject to change in response to changes in field conditions. Changes will only be initiated to the extent that they remain in compliance with the specifications and intent of this plan. GSI representatives will maintain communication with Posillico, AKRF, and Owner onsite personnel to assure their awareness of any deviations in construction methods.

2. SCOPE OF WORK

GSI will furnish supervision, labor, materials, equipment and supplies necessary to perform auger mixing at the project site. This work will be in accordance with the project specifications and our standard operating procedure for this type of work. The following items are included in our scope of work:

- Assist preparation of submittals related to the ISS operation.
- Perform a treatability study using site soils to determine grout mixture / addition rate for full scale ISS.
- Mobilization of ISS manpower and equipment to project site, including 2 x hydraulic soil mixing rigs and ISS batch plant.
- Set up of the ISS grout plant in one location at the project site.
- Layout of ISS columns using a GPS based system.
- Performance of an ISS Pilot Study.
- Initial ISS soil mixing utilizing conservative reagent mix design until pilot study results are reviewed and approved by the Engineer and NYSDEC.
- Completion of full-scale ISS including grout preparation, auger mixing, and staging ISS spoils within the treatment and/or designated areas.
- Quality control sampling and testing which includes wet grab sampling and coring.
- General site cleanup of our work and demobilization of the ISS equipment and crew.

3. SCHEDULE

Our schedule is based on working 5 days per week (Monday through Friday), 10 hours per shift (8am to 6pm) on a single-shift basis. The following schedule assumes the work will be performed as an independent task in one continuous and uninterrupted operation without significant delays by others. Obstructions, delays, and/or interruptions of continuous ISS will add to the proposed duration. GSI will work to increase production while maintaining the safety and quality of its product.

Treatability Study:	4-5 weeks (prior to mobilization)
Mobilization:	1 week
Pilot Study:	~1 week
Auger Mix ISS:	14.5 weeks
Demobilization:	1 week

4. IN-SITU SOLIDIFICATION

The details of our ISS process are explained in further detail in the following sections.

4.1. PRE-CONSTRUCTION ACTIVITIES

Prior to beginning ISS operations, GSI will submit training certifications for management and craft personnel, work plans, coring program plan, and other pre-construction submittals as required in the contract documents. GSI will coordinate with our subcontractors, material suppliers, and equipment vendors to ensure a timely start date.

4.2. ISS TREATABILITY STUDY WORK PLAN

GSI has submitted a treatability study work plan, under separate cover, detailing the proposed means and methods for soil collection and soil-cement mixtures. In general, three composite samples were mixed with varying cementitious addition rates. The materials used in the mix design were soils from the project site, Portland Cement, Slag and tap water. GSI shall submit an ISS Treatability Study Report, under separate cover, which will include a summary of the mix design procedures, UCS and permeability test results of each mix, and GSI's recommendation for mix design selection.

4.3. MOBILIZATION/SITE PREPARATION

GSI will mobilize all the necessary equipment and personnel to the job site to begin the site setup. The laydown area will be inspected prior to the delivery of our trailers, conex boxes and equipment. The Project Team will then establish temporary facilities, setup up the batch plant, and drill rigs. GSI intends to spread the mobilization activities across multiple weeks to reduce bottlenecking the site with truck traffic and deliveries. General outline for mobilization activities below:

- Week 1 – mobilize batch plant and support equipment, begin setup of batch plant
- Week 2 – mobilize & setup ISS drill rig #1, continue batch plant setup
- Week 3 – begin ISS pilot study with ISS drill rig #1, mobilize ISS drill rig #2
- Week 4 – Full Scale ISS mixing with 2 ISS drill rigs

4.4. WORK PLATFORM

Posillico will remove the concrete slab and upper soil layer within the ISS area(s) to establish a working platform for GSI's drill rig. This includes the removal of any known and unknown utilities, debris, wooden piles, and on-grade structures. The platform shall remain approximately 2 feet above groundwater and shall be generally level, dry, and stable. Any dewatering required to maintain the platform shall be performed by Posillico. It is likely that crane mats will be required to support the drill rigs.

4.5. PILOT STUDY

Prior to beginning full scale ISS operations, GSI will perform a pilot study utilizing one drill rig and batch plant. GSI will test one mix design during the pilot study:

Mix 1 – 15% Addition Rate – 50/50 Blend of Portland Cement and Slag

A minimum of 3 overlapping columns will be installed during the pilot study. GSI recommends that the pilot study be completed in area with known high contaminant concentrations. GSI will wait for approval from Posillico, AKRF, and the Owner on the pilot study location prior to commencing any

work on site. The same materials that were used in the treatability study will be used in the pilot study, Type 1L Portland Cement and ground granulated blast-furnace Slag.

GSI shall collect wet grab samples from each soil mixed column installed during the pilot study (3 sample sets). GSI will alter the sample collection from varying depths shallow, middle, and deep between columns (i.e. column 1 = shallow sample, column 2 = middle sample, column 3 = deep sample, etc.) Each sample set will consist of 6 cylinders for UCS testing and 6 cylinders for permeability testing. GSI shall test UCS and permeability on each sample set after 7, 14, and 28 days of curing (9 UCS tests and 9 permeability tests). Remaining cylinders will be archived and/or supplied to Engineer for QA testing.

Following the completion of the pilot study, one core will be performed at the interstice of three overlapping columns. Further details on this sampling method can be found in section 6.5 of this work plan.

Full scale ISS production will begin immediately after the pilot study utilizing the 15% reagent addition rate, while the pilot study results are being evaluated. Once laboratory testing and post-installation sampling has been completed and evaluated by all parties, the mix design can be adjusted, if needed.

4.6. FULL SCALE AUGER MIXING

The soil mixing will be completed using two hydraulic mixing rigs each equipped with a single mixing auger. The rig and tooling setup will be capable of drilling to and beyond the design depths shown on drawing H-100. The columns will be installed at the locations shown on the proposed column layout included in Attachment 2 and will be advanced from the established work platform to the bottom elevations shown in Table 2 – ISS Auger Column Summary. This drawing may be modified/adjusted based on as-built survey data and site constraints. Changes to this drawing will be submitted to Posillico for approval. Column locations and depths were positioned to achieve 100% vertical and horizontal coverage of ISS treatment required by the NYSDEC approved RAWP. This excludes the scalloped areas that will not be treated along the southern property boundary (approximately 412 cubic yards). Due to the existing retaining wall and supporting concrete structures, ISS is not able to extend beyond the property boundary in this area to obtain full coverage. Although a timber bulkhead was identified, the structure did not appear to be a continuous horizontal or vertical barrier. ISS auger mixing will generally progress from west to east across the project site.

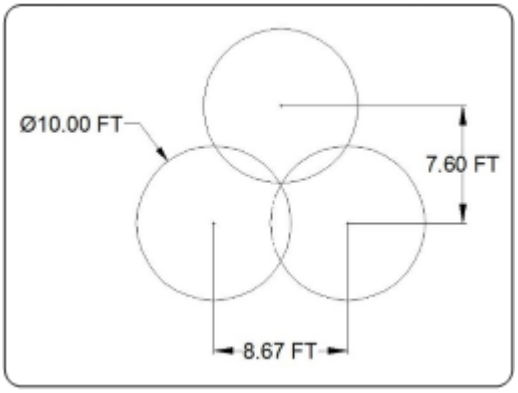


Figure A: Typical Honeycomb Pattern (Vertical Auger Mixing)

The soil mixing rigs will each have a wet Kelly system and will be fitted with GSI's custom soil mixing augers. Grout prepared at the on-site batch plant will be conveyed by way of electric pumps

fitted with variable frequency drives (VFD) capable of finely adjusting pumping rates. Grout will be incorporated into the soil via the Kelly bar and grout ports on the mixing auger to form stabilized/solidified columns. The fluid grout is cut into the soil with the flights of the auger and the mixing paddles, as drilling advances. The column will be stroked a minimum of three times to improve the homogeneity of the soil-grout blend from top to bottom.

The data acquisition system on the mixing rigs will monitor and record key soil mixing parameters such as total grout injection, injection flow rates, auger rotation, and vertical auger depth. Through this method, GSI is able to graphically present reagent distribution with depth within a given column.

4.7. COLUMN LOCATION CONTROL

Column center coordinates of each ISS column will be obtained from the approved ISS column layout drawing and from the initial survey layout and benchmarks. GSI Project Engineer(s) will perform daily column layout to identify column center point locations in the field. Surface elevations will be collected at this time as well. Survey stakes or pin flags will be placed at the center of each column and labeled with the column's ID. Columns will be laid out as ISS progresses. Typically, ISS columns will be laid out the day before and/or the morning of when they are scheduled to be mixed. Columns will be generally installed in a primary / secondary sequence with wet-on-wet installation utilized when needed. GSI's proposed column layout drawing has been included in Attachment 3. This drawing may be modified/adjusted based on as-built survey data and site constraints. Changes to this drawing will be submitted to Posillico for approval. GSI shall submit a column breakdown, in excel format, with northing/easting information for each individual column under separate cover.

4.8. COLUMN DEPTH CONTROL

Depths will be determined/verified using a combination of GPS surveying to obtain the ground surface elevation and the onboard data acquisition system on the drill rigs. Depth of each column will be measured and tracked by an onboard computer software on the drill rig. This software will allow for the depth to be reset prior to advancing the drill stem allowing for actual depth to be recorded. The final column depth will be automatically generated on the drill rig report and will also be recorded on GSI's Daily Report. The drill rig reports along with the surveyed location of the column center points (GSI's column layout drawing) will be used to prepare the final as-built drawing detailing the horizontal and vertical extents of ISS treatment completed. Posillico will submit the final as-built documentation to the Engineer upon completion of the scope of work.

4.9. EMISSION CONTROLS

Odor and dust control will be performed by Posillico. GSI will sequence the ISS operations and stage equipment in a manner to help mitigate dust and odors. Batch Plant dust will be minimized by utilizing a fully enclosed system from dry product delivery to grout mixing. Reagents will be delivered in pneumatic tanker trucks. Silos will be equipped with bag house and filters to filter out cement particulates and minimize dust creation during offloading of trucks. The bulk trucks will be in proper working order upon arrival or they will be turned away by GSI personnel before offloading. Bulk materials are transferred from the tanker trucks to the silos through heavy-duty hosing. Hosing and connections will be inspected prior to offloading the product. The silos are attached to the grout mixing tanks with a sealed trunk line, which contains the cement and dust while the material is being transferred from the silo to the mix tank.

4.10. SPOILS MANAGEMENT

GSI will have two full-time excavators dedicated to handling spoils at each drill rig during ISS operations. GSI will stockpile spoils within the ISS mixing area(s) but reconditioning and/or on-site reuse in accordance with the NYSDEC-approved RAWP will be by Posillico. The ISS subgrade will be maintained and graded by Posillico.

4.11. OBSTRUCTIONS & REFUSAL

If an obstruction and/or refusal is encountered during auger mixing, GSI will stop mixing at the location and notify Posillico. Auger refusal is defined as less than 1 foot of advancement in a continuous 5-minute period or Kelly bar / drill rig movements that are indicative of imminent equipment damage. If auger refusal is reached, GSI will relocate the drill rig to another column location and continue soil mixing operations. Posillico will perform the necessary work to identify, remove, and dispose of the obstruction so that drilling can continue within the refusal column/area. The work completed up to the refusal depth and the time required to move to another location will be documented for additional compensation, as per the terms and conditions of the contract. To the extent possible, GSI will maintain a flexible drilling sequence so that the soil mixing operation can move to untreated areas of the site safely and efficiently in the event an obstruction (wooden pile, debris, etc.) is encountered within an active column. GSI will rely on Posillico to provide access to these untreated areas. GSI will work with Posillico to minimize downtime throughout the ISS column installation.

If access to an untreated area is determined to be infeasible based upon coordination with Posillico, a detailed summary of the field limitation will be provided to the Engineer for further evaluation with the Owner and NYSDEC.

5. EQUIPMENT

GSI will utilize the following specialty equipment on this project. Similar equipment may be substituted depending on availability at the time of mobilization.

5.1. DRILL RIG

The auger mixing will be performed using a combination of a Casagrande B360 and Delmag RH38 (or similar size rigs) track mounted rotary drill rigs. The soil mixing rigs will have the capability to handle up to a 10-foot diameter mixing auger. This auger and rig combination has demonstrated the capability to produce a well-mixed soil mix material in various field conditions. The ISS rigs will be equipped with a mast inclination system with mast adjustment features to maintain vertical alignment while drilling. This ensures that the soil mixed columns are installed within verticality tolerances. The rig will also be fitted with a computerized drill parameter monitoring system capable of monitoring verticality, penetration depth, penetration rate and withdrawal speed, rotation, and injection rate.

5.2. BATCH PLANT EQUIPMENT

GSI's Batch plant is designed for accurate proportioning of multiple reagents. Reagents are monitored by scales and flow meters to maintain quality control. Monitoring devices are calibrated prior to the equipment mobilizing to the job site. The plant is organized and sized to meet soil mixing production requirements. A sample batch plant layout and location can be found in Attachment 4. GSI will coordinate with Posillico regarding the best location for the plant. The batch plant setup will generally consist of the following equipment:

- Batch Plant with Mix Tank, Holding Tanks, and Weigh Scales
- 2 x Horizontal Material Storage (Pig)
- 2 x Vertical Silo
- Progressive Cavity Pumps (Moyno)
- Mission Transfer Pump(s)
- 250 kVA generator(s)
- 185 cfm air compressor(s)

5.3. SUPPORT EQUIPMENT

- Forklift
- 2 x Excavators
- 2 x Mobile Field Office
- Boomlift
- 2 x Conex Box
- Fuel Tank(s)
- Site Vehicles
- Crane Mats (Posillico)

6. QUALITY CONTROL

Quality Control (QC) is critical to the successful completion of the project. GSI will enact a Quality Control Program specifically designed to meet the requirements of this project.

The Project Manager will be responsible for establishing the QC responsibilities on this project. The Project Engineers will primarily be responsible for executing the on-site QC testing, sample collection and reporting. Each member of the crew will be accountable to the Superintendent to complete his/her work in accordance with the QC Plan.

Post Treatment Test Specifications:

Target Strength:	≥50 psi at 28-days (ASTM D2166 or D1633)
Target Permeability:	≤1x10-6 cm/sec (ASTM D 5084)
Visual Inspection:	sample recovery of 60% or greater with no visual evidence of NAPL

On-site QC testing will include verification of ISS cell dimensions, grout testing, ISS sample collection/preparation, and coring.

6.1. MATERIALS

The materials required for the soil mixing are water, Portland cement (PC) and Ground Granulated Blast Furnace Slag (GGBFS). Material certificates of analysis will be provided after the material has been received from the suppliers. GSI plans to receive the GGBFS and PC separately from the manufacturer in bulk pneumatic trucks. The materials will be blown into their respective silos / storage bins. Delivery tickets will be kept on site to track material received and used.

In-Text Table 1: Materials for ISS

Material	Vendor	Type
PC	Lehigh/Lafarge/Titan	Type 1L
GGBFS	Lehigh/Lafarge/Titan	Grade 100/120
Water	Site Source	Non-Contaminated Source

Cement and slag will be stored on site in vertical or horizontal silos. These materials will be auger-fed into the mixing plant dry by weight. Scales on the batch plant will be used to determine the required amount per batch. GSI will blend the materials during the batching process to meet the mix design.

Water will be provided and stored by Posillico. Typically, water is either pumped to the batch plant either directly from a fire hydrant or from a frac holding tank. The water will be measured via flow meter and scales on the plant.

6.2. REAGENT ADDITION

The target grout addition rates for each individual column can be found in Attachment 2. Grout addition rates will be adjusted, as needed, based upon field measurements and drilling conditions.

The Project Engineers, Batch Plant Operator, and Drill Rig Operators will communicate during each column installation to ensure that the appropriate volume of grout is delivered to each column. The actual grout volume delivered to each column will be recorded on the ISS Drill Rig Quality Control Report, which will be submitted daily as part of the Daily Quality Control Report.

Grout will be produced on-site in Geo-Solutions' custom-made batch plant. Grout will be prepared on a batch or continuous basis in GSI's high shear mixers. Silos will be equipped with an auger or rotary vane/feeder to allow for measuring/metering the precise amount of dry reagents required for each mix based on the volume of each column. Following water addition, the dry reagents will be metered directly into the high speed/high shear lightning mixer. These types of mixers have the capacity of 5 cubic yards and are equipped with high-speed mixing paddles, a high shear mixing pump (Mission Magnum concentric-style centrifugal mixing pump), and load cells with direct read-out of weight in pounds.

Upon addition of dry reagents, the unit weight (mud balance) and viscosity (marsh funnel) of the grout mix will be checked periodically during construction to further ensure compliance with the mix design. The completed batches will then be pumped to the holding tanks where they will remain agitated and await delivery to the soil mixing location.

The grout will be delivered to the mixing location via positive displacement Moyno Pumps and hoses. The batch plant will be equipped with a re-circulating grout manifold that will enable the batch plant operator to send grout to one or more areas independently. Each drill rig heading will have a separate Moyno Pump to for grout supply.

At the end of each shift, the batch plant and grout lines will be washed out with clean water. The wash out water will be flushed thorough the plant, lines and the wet Kelly system through the auger. The wash-out fluid will be allowed to collect within the ISS footprint. This fluid will partially solidify overnight. The solids and fluids will be handled the following shift and incorporated into the excess ISS spoil material.

6.3. FULL SCALE MIX DESIGN

Based on the Mix Design results, GSI recommends utilizing the 15% addition rate with a 50/50 blend of Portland Cement (Type IL) and Slag. This mix design will be verified during the pilot study. Full scale ISS production will begin immediately after the pilot study utilizing the 15% reagent addition rate mix, while the pilot study results are being evaluated. Once laboratory testing and post-installation sampling has been completed and evaluated by all parties, the mix design can be adjusted, if needed.

6.4. ISS SAMPLE COLLECTION AND TESTING

Wet grab samples of treated soils will be collected using a mechanical "thief" sampler attachment to the auger from varying depths, shallow, middle, and deep. GSI will alter sampling depths to provide a relatively even distribution of sample depths across the site. The sampling will take place immediately after mixing while the column is in its most fluid condition. Samples will be extracted from the completed ISS columns at a frequency of 1 per 500 CY. GSI will collect additional samples during the pilot study in accordance with section 4.5 of this plan. The samples will then be screened and casted into 3"x6" and 2"x4" cylinders. A minimum of 4 cylinders will be collected for UCS testing and 4 cylinders for permeability testing per sampling event. Once molded, the samples will be stored in a temperature-controlled environment on site for a minimum of 3 days before being shipped to a certified laboratory. GSI typically uses Geotechnics of East Pittsburgh to perform the laboratory testing. Samples will be tested for UCS and permeability after 28 days of curing or sooner. Due to the slow curing properties associated with the use of slag cement, samples may require testing out to 56 days or greater for performance evaluation.

6.5. ISS QA/QC CORING

Post column installation sampling shall be conducted in accordance with the NYSDEC In-Situ Solidification QA/QC guidance/requirements (version dated November 8, 2019). Sampling of the solidified treated material for visual observation shall be conducted at a minimum frequency of one sampling event per 5,000 square feet of treatment area. The neat ISS treatment area is approximately 36,702 square feet (Table 1 – ISS Grid Cell Design Table) which equates to 8 coring/sampling locations for the project. QA/QC Coring Locations will be biased toward areas with the greatest soil contamination and/or locations where difficulties in the ISS process were encountered. These coring locations will be provided to AKRF prior to drilling. The first coring/sampling event will occur immediately following the pilot study. The next coring/sampling event will be completed when the ISS is no more than 25% complete. GSI will utilize a third-party drilling outfit to perform QA/QC Coring work.

With an ISS target strength of 50 psi, the ISS material will likely be too soft to collect via wireline triple tube coring (rock coring). For this method to be successful, the ISS material will likely need to be fully cured to achieve the highest strength possible (200 psi or greater). Therefore, GSI will attempt to use the direct push method after 3 to 7 days of curing to collect samples for visual observation. Direct push sampling would begin at the top of the ISS interval and advance at least one foot below the bottom of column elevation. If an obstruction (debris, cobbles, etc.) is encountered that stops the direct push sampler from advancing, the drillers will switch to a solid stem auger and advance through the obstruction. The direct push sampler would then continue after the obstruction. Sonic drilling would also be considered as an alternative method. Following the completion of each coring location, the boreholes will be filled with grout using tremie methods.

As a contingency for all sampling methods listed above, PQ – triple barrel coring may be performed. This would require the ISS elements to cure for a longer duration before drill advancement.

6.6. CORRECTIVE ACTIONS

If wet grab samples do not meet the UCS and/or Permeability performance criteria after 28-days or there are visual performance concerns documented during the coring program, GSI shall notify Posillico, the Engineer, and Owner immediately. For failing lab results, GSI will perform additional lab testing on the archive cylinders at longer curing periods (out to 56 days). For performance concerns identified during coring, an additional boring within the area of concern will be completed. If unsatisfactory results are continued in either scenario above, GSI will provide a plan of action for

addressing the failure on a case-by-case basis. This plan will be developed with all parties at the site and approved prior to implementation by GSI. This plan may include remixing of columns, isolation of the concerned area, excavation & disposal of failing material, and/or additional in-situ testing of the columns.

ATTACHMENT 1
TABLE 1 – ISS GRID CELL DESIGN TABLE FROM THE RAWP

ISS Grid	Grid Area (sq ft)	Ground Surface Elevation (feet, NAVD88)	Groundwater Elevation (feet, NAVD88)	Excavation Depth (feet bgs)	Excavation Volume (CY)	Top of Sediment Confining Layer Elevation (feet, NAVD88)	Bottom of ISS Elevation (feet, NAVD88)	ISS Depth/Thickness (feet below groundwater table)	ISS Volume (CY)
A11	440	5.08	1.0	4.08	65	-29.20	-30.5	31.5	514
A12	410	5.12	1.0	4.12	65	-29.47	-30.5	31.5	478
A13	402	5.15	1.0	4.15	60	-29.47	-30.5	31.5	469
B11	395	5.01	1.0	4.01	60	-29.30	-30.5	31.5	460
B12	367	5.24	1.0	4.24	60	-29.30	-30.5	31.5	428
B13	360	5.45	1.0	4.45	60	-28.74	-30.0	31.0	414
D11	400	5.07	1.0	4.07	60	-31.77	-33.0	34.0	504
D12	392	5.40	1.0	4.40	65	-31.77	-33.0	34.0	494
E11	347	5.33	1.0	4.33	55	-31.77	-33.0	34.0	438
E12	335	5.46	1.0	4.46	55	-31.77	-33.0	34.0	421
E17	172	6.13	1.0	5.13	35	-27.93	-29.0	30.0	191
F5	494	6.32	1.0	5.32	95	-27.79	-29.0	30.0	549
F6	434	5.65	1.0	4.65	75	-30.93	-32.0	33.0	531
F7	430	5.05	1.0	4.05	65	-30.93	-32.0	33.0	525
F8	430	5.15	1.0	4.15	65	-28.86	-30.0	31.0	493
F9	430	5.74	1.0	4.74	75	-31.16	-32.5	33.5	533
F10	445	5.73	1.0	4.73	80	-31.16	-32.5	33.5	553
F11	453	5.70	1.0	4.70	80	-28.46	-29.5	30.5	511
F12	453	5.76	1.0	4.76	80	-29.27	-30.5	31.5	528
F13	453	5.86	1.0	4.86	80	-29.27	-30.5	31.5	528
F14	453	6.06	1.0	5.06	85	-27.30	-28.5	29.5	494
F15	453	6.17	1.0	5.17	85	-27.30	-28.5	29.5	494
F16	453	6.18	1.0	5.18	85	-26.31	-27.5	28.5	478
F17	195	6.22	1.0	5.22	40	-26.31	-27.5	28.5	205
G1	790	5.66	1.0	4.66	135	-27.48	-28.5	29.5	863
G2	499	7.51	1.0	6.51	120	-27.48	-28.5	29.5	545
G3	416	7.44	1.0	6.44	100	-27.60	-29.0	30.0	463
G4	359	7.37	1.0	6.37	85	-27.69	-29.0	30.0	399
G5	455	7.36	1.0	6.36	105	-27.69	-29.0	30.0	506
G6	400	7.41	1.0	6.41	95	-34.57	-36.0	37.0	548
G7	400	7.18	1.0	6.18	90	-34.57	-36.0	37.0	548
G8	400	6.32	1.0	5.32	80	-28.86	-30.0	31.0	459
G9	400	5.73	1.0	4.73	70	-28.86	-30.0	31.0	459
G10	400	5.90	1.0	4.90	75	-27.28	-28.5	29.5	437
G11	400	6.08	1.0	5.08	75	-28.46	-29.5	30.5	452
G12	400	6.06	1.0	5.06	75	-28.46	-29.5	30.5	452
G13	400	5.98	1.0	4.98	75	-26.14	-27.5	28.5	422
G14	400	6.02	1.0	5.02	75	-26.02	-27.5	28.5	422
G15	400	6.10	1.0	5.10	75	-25.80	-27.0	28.0	415
G16	400	6.14	1.0	5.14	75	-37.90	-39.0	40.0	593
G17	172	6.17	1.0	5.17	35	-37.90	-39.0	40.0	255
H1	634	7.56	1.0	6.56	155	-27.48	-28.5	29.5	692
H2	400	7.51	1.0	6.51	95	-27.48	-28.5	29.5	437
H3	400	7.45	1.0	6.45	95	-27.60	-29.0	30.0	444
H4	400	7.36	1.0	6.36	95	-27.69	-29.0	30.0	444
H5	400	7.34	1.0	6.34	95	-27.69	-29.0	30.0	444
H6	400	7.35	1.0	6.35	95	-34.57	-36.0	37.0	548
H7	400	7.36	1.0	6.36	95	-34.57	-36.0	37.0	548
H8	400	6.79	1.0	5.79	85	-28.86	-30.0	31.0	459
H9	400	6.12	1.0	5.12	75	-28.86	-30.0	31.0	459
H10	400	6.39	1.0	5.39	80	-27.16	-28.5	29.5	437
H11	400	6.49	1.0	5.49	80	-26.74	-28.0	29.0	430
H12	400	6.27	1.0	5.27	80	-28.07	-29.5	30.5	452
H13	400	6.17	1.0	5.17	75	-30.32	-31.5	32.5	481
H14	400	6.07	1.0	5.07	75	-31.79	-33.0	34.0	504
H15	400	6.13	1.0	5.13	75	-31.79	-33.0	34.0	504
H16	400	6.18	1.0	5.18	75	-37.90	-39.0	40.0	593
H17	172	6.20	1.0	5.20	35	-37.90	-39.0	40.0	255
I1	611	7.58	1.0	6.58	150	-24.44	-25.5	26.5	600
I2	463	7.53	1.0	6.53	110	-25.00	-26.5	27.5	472
I3	447	7.45	1.0	6.45	105	-25.00	-26.5	27.5	455
I4	413	7.37	1.0	6.37	95	-24.60	-26.0	27.0	413
I5	409	7.34	1.0	6.34	95	-22.63	-24.0	25.0	379
I6	409	7.29	1.0	6.29	95	-20.66	-22.0	23.0	348
I7	400	7.29	1.0	6.29	95	-25.65	-27.0	28.0	415
I8	400	6.96	1.0	5.96	90	-26.29	-27.5	28.5	422
I9	400	6.67	1.0	5.67	85	-27.16	-28.5	29.5	437
I10	400	7.16	1.0	6.16	90	-27.16	-28.5	29.5	437
I11	400	6.99	1.0	5.99	90	-26.74	-28.0	29.0	430
I12	333	6.43	1.0	5.43	65	-28.07	-29.5	30.5	376
I13	400	6.37	1.0	5.37	80	-30.32	-31.5	32.5	481
I14	400	6.33	1.0	5.33	80	-31.79	-33.0	34.0	504
I15	400	6.31	1.0	5.31	80	-31.79	-33.0	34.0	504
I16	400	6.30	1.0	5.30	80	-27.30	-28.5	29.5	437
I17	172	6.34	1.0	5.34	35	-25.20	-26.5	27.5	175
J6	419	7.33	1.0	6.33	100	-27.68	-29.0	30.0	465
J7	383	7.22	1.0	6.22	90	-27.68	-29.0	30.0	426
J13	408	6.54	1.0	5.54	85	-27.08	-28.5	29.5	446
J14	449	6.50	1.0	5.50	90	-27.08	-28.5	29.5	491
J16	414	6.46	1.0	5.46	85	-23.85	-25.0	26.0	398
J17	172	6.46	1.0	5.46	35	-22.95	-24.0	25.0	159
K6	522	7.41	1.0	6.41	125	-27.68	-29.0	30.0	580
K7	468	7.27	1.0	6.27	110	-27.68	-29.0	30.0	520
K16	400	6.57	1.0	5.57	80	-23.85	-25.0	26.0	385
K17	172	6.56	1.0	5.56	35	-22.95	-24.0	25.0	159
L16	400	6.60	1.0	5.60	85	-23.35	-24.5	25.5	378
L17	172	6.61	1.0	5.61	35	-23.35	-24.5	25.5	162
M16	462	6.74	1.0	5.74	100	-23.35	-24.5	25.5	436
M17	172	6.69	1.0	5.69	35	-23.35	-24.5	25.5	162
N16	462	6.71	1.0	5.71	100	-21.77	-23.0	24.0	411
N17	172	6.75	1.0	5.75	35	-21.77	-23.0	24.0	153
O16	516	6.65	1.0	5.65	110	-21.50	-22.5	23.5	449
O17	192	6.73	1.0	5.73	40	-21.29	-22.5	23.5	167
Totals	**36,702**				**7,425**				**41,237**

Notes:

1. ISS Grid Cell surface elevations were approximated based upon SI #2 boring survey data provided by PS&S on May 11, 2022. Laser-Induced Florescence (LIF) boring survey data within each ISS Grid Cell were used to estimate an average ISS Grid Cell surface elevation. Actual grid cell elevations may vary across the lateral extent of the ISS Grid Cell.
2. Groundwater elevation of +1 ft amsl (based upon the average depth to groundwater documented in the RI) was used as the basis for estimating excavation and ISS volumes presented in the RAWP. Actual depth to groundwater may vary.
3. Hudson River sediment (intermediate) confining layer elevations were approximated based upon interpretation of SI #2 LIF boring logs representative of each ISS Grid Cell. In the event depth to the Hudson River sediment confining layer varied across representative LIF borings within a ISS Grid Cell, the deepest elevation was selected as the basis for ISS Grid Cell treatment depth.
4. Refer to NYSDEC-approved RAWP for additional detail regarding ISS grid dimensions.

ATTACHMENT 2
TABLE 2 – ISS AUGER COLUMN SUMMARY TABLE

TABLE 2 - ISS AUGER COLUMN SUMMARY TABLE

COLUMN	NORTHING	EASTING	ISS Top (FT EL)	ISS BOT (FT EL)	DEPTH (FT)	AVG COLUMN AREA (SF)	AVG COLUMN VOLUME (CY)	EST. SOIL WEIGHT / COLUMN (TONS)	TARGET SLAG / COLUMN (TONS)	TARGET PC / COLUMN (TONS)	TARGET GROUT / COLUMN (GALLONS)
A1	768602.6920	657183.7160	1.0	-30.5	31.5	62.02	72.36	109.21	8.2	8.2	4437
A2	768601.9650	657189.2620	1.0	-30.5	31.5	62.02	72.36	109.21	8.2	8.2	4437
A3	768600.7430	657197.8470	1.0	-30.5	31.5	62.02	72.36	109.21	8.2	8.2	4437
A4	768599.5210	657206.4310	1.0	-30.5	31.5	62.02	72.36	109.21	8.2	8.2	4437
A5	768598.2990	657215.0160	1.0	-30.5	31.5	62.02	72.36	109.21	8.2	8.2	4437
A6	768597.2310	657184.3040	1.0	-30.5	31.5	62.02	72.36	109.21	8.2	8.2	4437
A7	768596.0090	657192.8890	1.0	-30.5	31.5	62.02	72.36	109.21	8.2	8.2	4437
A8	768594.7880	657201.4730	1.0	-30.5	31.5	62.02	72.36	109.21	8.2	8.2	4437
A9	768593.5660	657210.0580	1.0	-30.5	31.5	62.02	72.36	109.21	8.2	8.2	4437
A10	768592.6110	657216.5020	1.0	-30.5	31.5	62.02	72.36	109.21	8.2	8.2	4437
A11	768590.2440	657180.0990	1.0	-30.5	31.5	62.02	72.36	109.21	8.2	8.2	4437
A12	768589.1850	657187.5380	1.0	-30.5	31.5	62.02	72.36	109.21	8.2	8.2	4437
A13	768587.9630	657196.1230	1.0	-30.5	31.5	62.02	72.36	109.21	8.2	8.2	4437
A14	768586.7420	657204.7070	1.0	-30.5	31.5	62.02	72.36	109.21	8.2	8.2	4437
A15	768585.5200	657213.2920	1.0	-30.5	31.5	62.02	72.36	109.21	8.2	8.2	4437
A16	768582.3610	657182.1880	1.0	-30.5	31.5	62.02	72.36	109.21	8.2	8.2	4437
A17	768581.1390	657190.7720	1.0	-30.5	31.5	62.02	72.36	109.21	8.2	8.2	4437
A18	768579.9170	657199.3570	1.0	-30.5	31.5	62.02	72.36	109.21	8.2	8.2	4437
A19	768578.6960	657207.9410	1.0	-30.5	31.5	62.02	72.36	109.21	8.2	8.2	4437
A20	768577.7410	657214.3860	1.0	-30.5	31.5	62.02	72.36	109.21	8.2	8.2	4437
A21	768575.3730	657178.1140	1.0	-30.5	31.5	62.02	72.36	109.21	8.2	8.2	4437
A22	768574.3150	657185.4220	1.0	-30.5	31.5	62.02	72.36	109.21	8.2	8.2	4437
A23	768573.0930	657194.0060	1.0	-30.5	31.5	62.02	72.36	109.21	8.2	8.2	4437
A24	768571.8710	657202.5910	1.0	-30.5	31.5	62.02	72.36	109.21	8.2	8.2	4437
A25	768570.6500	657211.1750	1.0	-30.5	31.5	62.02	72.36	109.21	8.2	8.2	4437
A26	768567.4910	657180.0720	1.0	-30.5	31.5	62.02	72.36	109.21	8.2	8.2	4437
A27	768566.2690	657188.6560	1.0	-30.5	31.5	62.02	72.36	109.21	8.2	8.2	4437
A28	768565.0470	657197.2410	1.0	-30.5	31.5	62.02	72.36	109.21	8.2	8.2	4437
A29	768563.8250	657205.8250	1.0	-30.5	31.5	62.02	72.36	109.21	8.2	8.2	4437
A30	768562.8290	657212.9390	1.0	-30.5	31.5	62.02	72.36	109.21	8.2	8.2	4437
A31	768560.5760	657175.9990	1.0	-30.5	31.5	62.02	72.36	109.21	8.2	8.2	4437
A32	768559.4450	657183.3060	1.0	-30.5	31.5	62.02	72.36	109.21	8.2	8.2	4437
A33	768558.2230	657191.8900	1.0	-30.5	31.5	62.02	72.36	109.21	8.2	8.2	4437
A34	768557.0010	657200.4750	1.0	-30.5	31.5	62.02	72.36	109.21	8.2	8.2	4437
A35	768555.7800	657209.0590	1.0	-30.5	31.5	62.02	72.36	109.21	8.2	8.2	4437
A36	768552.6210	657177.9550	1.0	-30.5	31.5	62.02	72.36	109.21	8.2	8.2	4437
A37	768551.3990	657186.5400	1.0	-30.5	31.5	62.02	72.36	109.21	8.2	8.2	4437
A38	768550.1770	657195.1240	1.0	-30.5	31.5	62.02	72.36	109.21	8.2	8.2	4437
A39	768546.8140	657174.4540	1.0	-30.5	31.5	62.02	72.36	109.21	8.2	8.2	4437
A40	768545.7930	657181.5960	1.0	-30.5	31.5	62.02	72.36	109.21	8.2	8.2	4437
A41	768544.5710	657190.1800	1.0	-30.5	31.5	62.02	72.36	109.21	8.2	8.2	4437
B1	768548.9550	657203.7090	1.0	-30.0	31.0	55.25	63.44	95.74	7.2	7.2	3890
B2	768548.1820	657210.0040	1.0	-30.0	31.0	55.25	63.44	95.74	7.2	7.2	3890
B3	768543.3490	657198.7650	1.0	-30.0	31.0	55.25	63.44	95.74	7.2	7.2	3890
B4	768542.1280	657207.3490	1.0	-30.0	31.0	55.25	63.44	95.74	7.2	7.2	3890
C1	768796.3550	657320.7470	1.0	-28.5	29.5	60.22	65.80	99.31	7.4	7.4	4035
C2	768795.1780	657326.2130	1.0	-28.5	29.5	60.22	65.80	99.31	7.4	7.4	4035
C3	768793.9410	657334.7950	1.0	-28.5	29.5	60.22	65.80	99.31	7.4	7.4	4035
C4	768792.7040	657343.3770	1.0	-28.5	29.5	60.22	65.80	99.31	7.4	7.4	4035
C5	768791.4680	657351.9600	1.0	-28.5	29.5	60.22	65.80	99.31	7.4	7.4	4035
C6	768790.2310	657360.5420	1.0	-28.5	29.5	60.22	65.80	99.31	7.4	7.4	4035
C7	768791.4650	657321.2750	1.0	-28.5	29.5	60.22	65.80	99.31	7.4	7.4	4035
C8	768790.2290	657329.8570	1.0	-28.5	29.5	60.22	65.80	99.31	7.4	7.4	4035
C9	768788.9920	657338.4400	1.0	-28.5	29.5	60.22	65.80	99.31	7.4	7.4	4035
C10	768787.7550	657347.0220	1.0	-28.5	29.5	60.22	65.80	99.31	7.4	7.4	4035
C11	768786.5180	657355.6040	1.0	-28.5	29.5	60.22	65.80	99.31	7.4	7.4	4035
C12	768785.2820	657364.1870	1.0	-28.5	29.5	60.22	65.80	99.31	7.4	7.4	4035
C13	768783.8800	657319.8170	1.0	-28.5	29.5	60.22	65.80	99.31	7.4	7.4	4035
C14	768783.4140	657324.4950	1.0	-28.5	29.5	60.22	65.80	99.31	7.4	7.4	4035
C15	768782.1770	657333.0770	1.0	-28.5	29.5	60.22	65.80	99.31	7.4	7.4	4035
C16	768780.9400	657341.6600	1.0	-28.5	29.5	60.22	65.80	99.31	7.4	7.4	4035
C17	768779.7040	657350.2420	1.0	-28.5	29.5	60.22	65.80	99.31	7.4	7.4	4035
C18	768778.4670	657358.8240	1.0	-28.5	29.5	60.22	65.80	99.31	7.4	7.4	4035
C19	768777.2300	657367.4070	1.0	-28.5	29.5	60.22	65.80	99.31	7.4	7.4	4035
C20	768776.5990	657319.1330	1.0	-28.5	29.5	60.22	65.80	99.31	7.4	7.4	4035
C21	768775.3620	657327.7150	1.0	-28.5	29.5	60.22	65.80	99.31	7.4	7.4	4035
C22	768774.1250	657336.2970	1.0	-28.5	29.5	60.22	65.80	99.31	7.4	7.4	4035
C23	768772.8890	657344.8800	1.0	-28.5	29.5	60.22	65.80	99.31	7.4	7.4	4035
C24	768771.6520	657353.4620	1.0	-28.5	29.5	60.22	65.80	99.31	7.4	7.4	4035

C25	768770.4150	657362.0440	1.0	-28.5	29.5	60.22	65.80	99.31	7.4	7.4	4035
C26	768769.0140	657317.6750	1.0	-28.5	29.5	60.22	65.80	99.31	7.4	7.4	4035
C27	768768.5470	657322.3530	1.0	-28.5	29.5	60.22	65.80	99.31	7.4	7.4	4035
C28	768767.3110	657330.9350	1.0	-28.5	29.5	60.22	65.80	99.31	7.4	7.4	4035
C29	768766.0740	657339.5170	1.0	-28.5	29.5	60.22	65.80	99.31	7.4	7.4	4035
C30	768764.8370	657348.1000	1.0	-28.5	29.5	60.22	65.80	99.31	7.4	7.4	4035
C31	768763.6000	657356.6820	1.0	-28.5	29.5	60.22	65.80	99.31	7.4	7.4	4035
C32	768762.3640	657365.2640	1.0	-28.5	29.5	60.22	65.80	99.31	7.4	7.4	4035
C33	768761.7320	657316.9900	1.0	-28.5	29.5	60.22	65.80	99.31	7.4	7.4	4035
C34	768760.4960	657325.5730	1.0	-28.5	29.5	60.22	65.80	99.31	7.4	7.4	4035
C35	768759.2590	657334.1550	1.0	-28.5	29.5	60.22	65.80	99.31	7.4	7.4	4035
C36	768758.0220	657342.7370	1.0	-28.5	29.5	60.22	65.80	99.31	7.4	7.4	4035
C37	768756.7860	657351.3200	1.0	-28.5	29.5	60.22	65.80	99.31	7.4	7.4	4035
C38	768755.5490	657359.9020	1.0	-28.5	29.5	60.22	65.80	99.31	7.4	7.4	4035
C39	768754.1470	657315.5320	1.0	-28.5	29.5	60.22	65.80	99.31	7.4	7.4	4035
C40	768753.6810	657320.2100	1.0	-28.5	29.5	60.22	65.80	99.31	7.4	7.4	4035
C41	768752.4440	657328.7930	1.0	-28.5	29.5	60.22	65.80	99.31	7.4	7.4	4035
C42	768751.2070	657337.3750	1.0	-28.5	29.5	60.22	65.80	99.31	7.4	7.4	4035
C43	768749.9710	657345.9570	1.0	-28.5	29.5	60.22	65.80	99.31	7.4	7.4	4035
C44	768748.7340	657354.5400	1.0	-28.5	29.5	60.22	65.80	99.31	7.4	7.4	4035
C45	768747.4970	657363.1220	1.0	-28.5	29.5	60.22	65.80	99.31	7.4	7.4	4035
D1	768781.3140	657372.0440	1.0	-25.5	26.5	53.75	52.75	79.62	6.0	6.0	3235
D2	768780.0770	657380.6260	1.0	-25.5	26.5	53.75	52.75	79.62	6.0	6.0	3235
D3	768779.1200	657387.4180	1.0	-25.5	26.5	53.75	52.75	79.62	6.0	6.0	3235
D4	768775.9930	657375.9890	1.0	-25.5	26.5	53.75	52.75	79.62	6.0	6.0	3235
D5	768774.7570	657384.5710	1.0	-25.5	26.5	53.75	52.75	79.62	6.0	6.0	3235
D6	768769.1790	657370.6270	1.0	-25.5	26.5	53.75	52.75	79.62	6.0	6.0	3235
D7	768767.9420	657379.2090	1.0	-25.5	26.5	53.75	52.75	79.62	6.0	6.0	3235
D8	768766.9850	657386.0010	1.0	-25.5	26.5	53.75	52.75	79.62	6.0	6.0	3235
E1	768761.1270	657373.8470	1.0	-26.5	27.5	59.65	60.75	91.70	6.9	6.9	3725
E2	768759.8900	657382.4290	1.0	-26.5	27.5	59.65	60.75	91.70	6.9	6.9	3725
E3	768754.3120	657368.4840	1.0	-26.5	27.5	59.65	60.75	91.70	6.9	6.9	3725
E4	768753.0750	657377.0670	1.0	-26.5	27.5	59.65	60.75	91.70	6.9	6.9	3725
E5	768752.1950	657381.6020	1.0	-26.5	27.5	59.65	60.75	91.70	6.9	6.9	3725
E6	768746.2600	657371.7040	1.0	-26.5	27.5	59.65	60.75	91.70	6.9	6.9	3725
E7	768745.0240	657380.2870	1.0	-26.5	27.5	59.65	60.75	91.70	6.9	6.9	3725
E8	768739.4460	657366.3420	1.0	-26.5	27.5	59.65	60.75	91.70	6.9	6.9	3725
E9	768738.2090	657374.9240	1.0	-26.5	27.5	59.65	60.75	91.70	6.9	6.9	3725
E10	768737.3290	657379.4590	1.0	-26.5	27.5	59.65	60.75	91.70	6.9	6.9	3725
E11	768731.3940	657369.5620	1.0	-26.5	27.5	59.65	60.75	91.70	6.9	6.9	3725
E12	768730.1570	657378.1450	1.0	-26.5	27.5	59.65	60.75	91.70	6.9	6.9	3725
E13	768724.5790	657364.2000	1.0	-26.5	27.5	59.65	60.75	91.70	6.9	6.9	3725
E14	768723.3420	657372.7820	1.0	-26.5	27.5	59.65	60.75	91.70	6.9	6.9	3725
E15	768722.4630	657377.3170	1.0	-26.5	27.5	59.65	60.75	91.70	6.9	6.9	3725
E16	768716.5280	657367.4200	1.0	-26.5	27.5	59.65	60.75	91.70	6.9	6.9	3725
E17	768715.2910	657376.0020	1.0	-26.5	27.5	59.65	60.75	91.70	6.9	6.9	3725
F1	768746.5240	657316.9860	1.0	-29.0	30.0	63.38	70.42	106.29	8.0	8.0	4318
F2	768745.6290	657323.4300	1.0	-29.0	30.0	63.38	70.42	106.29	8.0	8.0	4318
F3	768744.3930	657332.0130	1.0	-29.0	30.0	63.38	70.42	106.29	8.0	8.0	4318
F4	768743.1560	657340.5950	1.0	-29.0	30.0	63.38	70.42	106.29	8.0	8.0	4318
F5	768741.9190	657349.1770	1.0	-29.0	30.0	63.38	70.42	106.29	8.0	8.0	4318
F6	768740.6820	657357.7600	1.0	-29.0	30.0	63.38	70.42	106.29	8.0	8.0	4318
F7	768738.8140	657318.0680	1.0	-29.0	30.0	63.38	70.42	106.29	8.0	8.0	4318
F8	768737.5780	657326.6500	1.0	-29.0	30.0	63.38	70.42	106.29	8.0	8.0	4318
F9	768736.3410	657335.2330	1.0	-29.0	30.0	63.38	70.42	106.29	8.0	8.0	4318
F10	768735.1040	657343.8150	1.0	-29.0	30.0	63.38	70.42	106.29	8.0	8.0	4318
F11	768733.7340	657352.4620	1.0	-29.0	30.0	63.38	70.42	106.29	8.0	8.0	4318
F12	768732.6310	657360.9800	1.0	-29.0	30.0	63.38	70.42	106.29	8.0	8.0	4318
F13	768731.4870	657316.1260	1.0	-29.0	30.0	63.38	70.42	106.29	8.0	8.0	4318
F14	768730.7630	657321.2880	1.0	-29.0	30.0	63.38	70.42	106.29	8.0	8.0	4318
F15	768729.5260	657329.8700	1.0	-29.0	30.0	63.38	70.42	106.29	8.0	8.0	4318
F16	768728.2890	657338.4530	1.0	-29.0	30.0	63.38	70.42	106.29	8.0	8.0	4318
F17	768727.0530	657347.0350	1.0	-29.0	30.0	63.38	70.42	106.29	8.0	8.0	4318
F18	768725.8160	657355.6180	1.0	-29.0	30.0	63.38	70.42	106.29	8.0	8.0	4318
F19	768723.9480	657315.9260	1.0	-29.0	30.0	63.38	70.42	106.29	8.0	8.0	4318
F20	768722.7110	657324.5080	1.0	-29.0	30.0	63.38	70.42	106.29	8.0	8.0	4318
F21	768721.4750	657333.0900	1.0	-29.0	30.0	63.38	70.42	106.29	8.0	8.0	4318
F22	768720.2380	657341.6730	1.0	-29.0	30.0	63.38	70.42	106.29	8.0	8.0	4318
F23	768719.0010	657350.2550	1.0	-29.0	30.0	63.38	70.42	106.29	8.0	8.0	4318
F24	768717.7640	657358.8380	1.0	-29.0	30.0	63.38	70.42	106.29	8.0	8.0	4318
F25	768716.6200	657313.9840	1.0	-29.0	30.0	63.38	70.42	106.29	8.0	8.0	4318
F26	768715.8960	657319.1460	1.0	-29.0	30.0	63.38	70.42	106.29	8.0	8.0	4318
F27	768714.6600	657327.7280	1.0	-29.0	30.0	63.38	70.42	106.29	8.0	8.0	4318
F28	768713.4230	657336.3110	1.0	-29.0	30.0	63.38	70.42	106.29	8.0	8.0	4318

F29	768712.1860	657344.8930	1.0	-29.0	30.0	63.38	70.42	106.29	8.0	8.0	4318
F30	768710.9490	657353.4750	1.0	-29.0	30.0	63.38	70.42	106.29	8.0	8.0	4318
F31	768709.7130	657295.7530	1.0	-29.0	30.0	63.38	70.42	106.29	8.0	8.0	4318
F32	768708.4770	657304.3350	1.0	-29.0	30.0	63.38	70.42	106.29	8.0	8.0	4318
F33	768709.0820	657313.7830	1.0	-29.0	30.0	63.38	70.42	106.29	8.0	8.0	4318
F34	768707.8450	657322.3660	1.0	-29.0	30.0	63.38	70.42	106.29	8.0	8.0	4318
F35	768706.6080	657330.9480	1.0	-29.0	30.0	63.38	70.42	106.29	8.0	8.0	4318
F36	768705.3710	657339.5310	1.0	-29.0	30.0	63.38	70.42	106.29	8.0	8.0	4318
F37	768704.1350	657348.1130	1.0	-29.0	30.0	63.38	70.42	106.29	8.0	8.0	4318
F38	768702.8980	657356.6950	1.0	-29.0	30.0	63.38	70.42	106.29	8.0	8.0	4318
F39	768704.4740	657293.1740	1.0	-29.0	30.0	63.38	70.42	106.29	8.0	8.0	4318
F40	768703.5030	657299.8390	1.0	-29.0	30.0	63.38	70.42	106.29	8.0	8.0	4318
F41	768702.2670	657308.4210	1.0	-29.0	30.0	63.38	70.42	106.29	8.0	8.0	4318
F42	768701.0300	657317.0040	1.0	-29.0	30.0	63.38	70.42	106.29	8.0	8.0	4318
F43	768699.7930	657325.5860	1.0	-29.0	30.0	63.38	70.42	106.29	8.0	8.0	4318
F44	768698.5570	657334.1680	1.0	-29.0	30.0	63.38	70.42	106.29	8.0	8.0	4318
F45	768697.3200	657342.7510	1.0	-29.0	30.0	63.38	70.42	106.29	8.0	8.0	4318
F46	768696.0830	657351.3330	1.0	-29.0	30.0	63.38	70.42	106.29	8.0	8.0	4318
F47	768697.1270	657289.8900	1.0	-29.0	30.0	63.38	70.42	106.29	8.0	8.0	4318
F48	768696.6890	657294.4770	1.0	-29.0	30.0	63.38	70.42	106.29	8.0	8.0	4318
F49	768695.4520	657303.0590	1.0	-29.0	30.0	63.38	70.42	106.29	8.0	8.0	4318
F50	768694.2150	657311.6410	1.0	-29.0	30.0	63.38	70.42	106.29	8.0	8.0	4318
F51	768692.9780	657320.2240	1.0	-29.0	30.0	63.38	70.42	106.29	8.0	8.0	4318
F52	768691.7420	657328.8060	1.0	-29.0	30.0	63.38	70.42	106.29	8.0	8.0	4318
F53	768690.5050	657337.3880	1.0	-29.0	30.0	63.38	70.42	106.29	8.0	8.0	4318
F54	768689.2680	657345.9710	1.0	-29.0	30.0	63.38	70.42	106.29	8.0	8.0	4318
F55	768688.0310	657354.5530	1.0	-29.0	30.0	63.38	70.42	106.29	8.0	8.0	4318
G1	768709.7130	657362.0580	1.0	-26.0	27.0	59.00	59.00	89.05	6.7	6.7	3618
G2	768708.4760	657370.6400	1.0	-26.0	27.0	59.00	59.00	89.05	6.7	6.7	3618
G3	768701.6610	657365.2780	1.0	-26.0	27.0	59.00	59.00	89.05	6.7	6.7	3618
G4	768700.9420	657370.4680	1.0	-26.0	27.0	59.00	59.00	89.05	6.7	6.7	3618
G5	768694.8460	657359.9150	1.0	-26.0	27.0	59.00	59.00	89.05	6.7	6.7	3618
G6	768693.6100	657368.4980	1.0	-26.0	27.0	59.00	59.00	89.05	6.7	6.7	3618
H1	768686.7950	657363.1350	1.0	-24.0	25.0	50.00	46.30	69.88	5.2	5.2	2839
H2	768686.1610	657368.3170	1.0	-24.0	25.0	50.00	46.30	69.88	5.2	5.2	2839
H3	768679.9800	657357.7730	1.0	-24.0	25.0	50.00	46.30	69.88	5.2	5.2	2839
I1	768689.8740	657289.1140	1.0	-32.0	33.0	60.80	74.31	112.16	8.4	8.4	4557
I2	768688.6370	657297.6970	1.0	-32.0	33.0	60.80	74.31	112.16	8.4	8.4	4557
I3	768682.5920	657286.9450	1.0	-32.0	33.0	60.80	74.31	112.16	8.4	8.4	4557
I4	768681.8220	657292.3340	1.0	-32.0	33.0	60.80	74.31	112.16	8.4	8.4	4557
I5	768680.5850	657300.9170	1.0	-32.0	33.0	60.80	74.31	112.16	8.4	8.4	4557
I6	768675.0070	657286.9720	1.0	-32.0	33.0	60.80	74.31	112.16	8.4	8.4	4557
I7	768673.7710	657295.5540	1.0	-32.0	33.0	60.80	74.31	112.16	8.4	8.4	4557
I8	768667.7260	657284.8020	1.0	-32.0	33.0	60.80	74.31	112.16	8.4	8.4	4557
I9	768666.9560	657290.1920	1.0	-32.0	33.0	60.80	74.31	112.16	8.4	8.4	4557
I10	768665.7190	657298.7740	1.0	-32.0	33.0	60.80	74.31	112.16	8.4	8.4	4557
I11	768660.1410	657284.8300	1.0	-32.0	33.0	60.80	74.31	112.16	8.4	8.4	4557
I12	768658.9040	657293.4120	1.0	-32.0	33.0	60.80	74.31	112.16	8.4	8.4	4557
I13	768652.8590	657282.6600	1.0	-32.0	33.0	60.80	74.31	112.16	8.4	8.4	4557
I14	768652.0890	657288.0500	1.0	-32.0	33.0	60.80	74.31	112.16	8.4	8.4	4557
I15	768650.8530	657296.6320	1.0	-32.0	33.0	60.80	74.31	112.16	8.4	8.4	4557
J1	768687.4000	657306.2790	1.0	-36.0	37.0	67.73	92.82	140.09	10.5	10.5	5692
J2	768686.1640	657314.8610	1.0	-36.0	37.0	67.73	92.82	140.09	10.5	10.5	5692
J3	768684.9270	657323.4440	1.0	-36.0	37.0	67.73	92.82	140.09	10.5	10.5	5692
J4	768683.6900	657332.0260	1.0	-36.0	37.0	67.73	92.82	140.09	10.5	10.5	5692
J5	768682.4530	657340.6080	1.0	-36.0	37.0	67.73	92.82	140.09	10.5	10.5	5692
J6	768681.2170	657349.1910	1.0	-36.0	37.0	67.73	92.82	140.09	10.5	10.5	5692
J7	768679.3490	657309.4990	1.0	-36.0	37.0	67.73	92.82	140.09	10.5	10.5	5692
J8	768678.1120	657318.0810	1.0	-36.0	37.0	67.73	92.82	140.09	10.5	10.5	5692
J9	768676.8750	657326.6640	1.0	-36.0	37.0	67.73	92.82	140.09	10.5	10.5	5692
J10	768675.6390	657335.2460	1.0	-36.0	37.0	67.73	92.82	140.09	10.5	10.5	5692
J11	768674.4020	657343.8280	1.0	-36.0	37.0	67.73	92.82	140.09	10.5	10.5	5692
J12	768673.1650	657352.4110	1.0	-36.0	37.0	67.73	92.82	140.09	10.5	10.5	5692
J13	768672.5340	657304.1370	1.0	-36.0	37.0	67.73	92.82	140.09	10.5	10.5	5692
J14	768671.2970	657312.7190	1.0	-36.0	37.0	67.73	92.82	140.09	10.5	10.5	5692
J15	768670.0600	657321.3010	1.0	-36.0	37.0	67.73	92.82	140.09	10.5	10.5	5692
J16	768668.8240	657329.8840	1.0	-36.0	37.0	67.73	92.82	140.09	10.5	10.5	5692
J17	768667.5870	657338.4660	1.0	-36.0	37.0	67.73	92.82	140.09	10.5	10.5	5692
J18	768666.3500	657347.0480	1.0	-36.0	37.0	67.73	92.82	140.09	10.5	10.5	5692
J19	768664.4820	657307.3570	1.0	-36.0	37.0	67.73	92.82	140.09	10.5	10.5	5692
J20	768663.2460	657315.9390	1.0	-36.0	37.0	67.73	92.82	140.09	10.5	10.5	5692
J21	768661.6530	657324.7870	1.0	-36.0	37.0	67.73	92.82	140.09	10.5	10.5	5692
J22	768660.7720	657333.1040	1.0	-36.0	37.0	67.73	92.82	140.09	10.5	10.5	5692
J23	768659.5350	657341.6860	1.0	-36.0	37.0	67.73	92.82	140.09	10.5	10.5	5692

J24	768657.8410	657350.3780	1.0	-36.0	37.0	67.73	92.82	140.09	10.5	10.5	5692
J25	768657.6670	657301.9940	1.0	-36.0	37.0	67.73	92.82	140.09	10.5	10.5	5692
J26	768656.4310	657310.5770	1.0	-36.0	37.0	67.73	92.82	140.09	10.5	10.5	5692
J27	768655.1940	657319.1590	1.0	-36.0	37.0	67.73	92.82	140.09	10.5	10.5	5692
J28	768653.9570	657327.7410	1.0	-36.0	37.0	67.73	92.82	140.09	10.5	10.5	5692
J29	768652.7200	657336.3240	1.0	-36.0	37.0	67.73	92.82	140.09	10.5	10.5	5692
J30	768651.4840	657344.9060	1.0	-36.0	37.0	67.73	92.82	140.09	10.5	10.5	5692
J31	768649.6160	657305.2140	1.0	-36.0	37.0	67.73	92.82	140.09	10.5	10.5	5692
J32	768648.3790	657313.7970	1.0	-36.0	37.0	67.73	92.82	140.09	10.5	10.5	5692
J33	768647.1420	657322.3790	1.0	-36.0	37.0	67.73	92.82	140.09	10.5	10.5	5692
J34	768645.9060	657330.9610	1.0	-36.0	37.0	67.73	92.82	140.09	10.5	10.5	5692
J35	768644.6690	657339.5440	1.0	-36.0	37.0	67.73	92.82	140.09	10.5	10.5	5692
J36	768643.4320	657348.1260	1.0	-36.0	37.0	67.73	92.82	140.09	10.5	10.5	5692
J37	768641.5640	657308.4340	1.0	-36.0	37.0	67.73	92.82	140.09	10.5	10.5	5692
J38	768640.3280	657317.0170	1.0	-36.0	37.0	67.73	92.82	140.09	10.5	10.5	5692
J39	768639.0910	657325.5990	1.0	-36.0	37.0	67.73	92.82	140.09	10.5	10.5	5692
J40	768637.8540	657334.1810	1.0	-36.0	37.0	67.73	92.82	140.09	10.5	10.5	5692
J41	768636.6170	657342.7640	1.0	-36.0	37.0	67.73	92.82	140.09	10.5	10.5	5692
K1	768671.9280	657360.9930	1.0	-22.0	23.0	54.00	46.00	69.43	5.2	5.2	2821
K2	768665.1130	657355.6310	1.0	-22.0	23.0	54.00	46.00	69.43	5.2	5.2	2821
L1	768657.0620	657358.8510	1.0	-27.0	28.0	56.00	58.07	87.65	6.6	6.6	3561
L2	768650.2470	657353.4880	1.0	-27.0	28.0	56.00	58.07	87.65	6.6	6.6	3561
M1	768642.1950	657356.7080	1.0	-27.5	28.5	56.00	59.11	89.22	6.7	6.7	3625
M2	768635.3810	657351.3460	1.0	-27.5	28.5	56.00	59.11	89.22	6.7	6.7	3625
M3	768634.1440	657359.9280	1.0	-27.5	28.5	56.00	59.11	89.22	6.7	6.7	3625
M4	768627.3290	657354.5660	1.0	-27.5	28.5	56.00	59.11	89.22	6.7	6.7	3625
M5	768626.4360	657359.7070	1.0	-27.5	28.5	56.00	59.11	89.22	6.7	6.7	3625
N1	768678.7430	657366.3550	1.0	-29.0	30.0	64.19	71.32	107.65	8.1	8.1	4374
N2	768676.4380	657374.5370	1.0	-29.0	30.0	64.19	71.32	107.65	8.1	8.1	4374
N3	768675.2010	657383.1190	1.0	-29.0	30.0	64.19	71.32	107.65	8.1	8.1	4374
N4	768673.9650	657391.7010	1.0	-29.0	30.0	64.19	71.32	107.65	8.1	8.1	4374
N5	768672.7280	657400.2840	1.0	-29.0	30.0	64.19	71.32	107.65	8.1	8.1	4374
N6	768671.4910	657408.8660	1.0	-29.0	30.0	64.19	71.32	107.65	8.1	8.1	4374
N7	768670.6920	657369.5750	1.0	-29.0	30.0	64.19	71.32	107.65	8.1	8.1	4374
N8	768669.4550	657378.1580	1.0	-29.0	30.0	64.19	71.32	107.65	8.1	8.1	4374
N9	768668.2180	657386.7400	1.0	-29.0	30.0	64.19	71.32	107.65	8.1	8.1	4374
N10	768666.9810	657395.3220	1.0	-29.0	30.0	64.19	71.32	107.65	8.1	8.1	4374
N11	768665.7450	657403.9050	1.0	-29.0	30.0	64.19	71.32	107.65	8.1	8.1	4374
N12	768664.7220	657409.8640	1.0	-29.0	30.0	64.19	71.32	107.65	8.1	8.1	4374
N13	768663.8770	657364.2130	1.0	-29.0	30.0	64.19	71.32	107.65	8.1	8.1	4374
N14	768662.6400	657372.7950	1.0	-29.0	30.0	64.19	71.32	107.65	8.1	8.1	4374
N15	768661.4030	657381.3780	1.0	-29.0	30.0	64.19	71.32	107.65	8.1	8.1	4374
N16	768660.1670	657389.9600	1.0	-29.0	30.0	64.19	71.32	107.65	8.1	8.1	4374
N17	768658.9300	657398.5420	1.0	-29.0	30.0	64.19	71.32	107.65	8.1	8.1	4374
N18	768657.6930	657407.1250	1.0	-29.0	30.0	64.19	71.32	107.65	8.1	8.1	4374
N19	768655.8250	657367.4330	1.0	-29.0	30.0	64.19	71.32	107.65	8.1	8.1	4374
N20	768654.6090	657376.0060	1.0	-29.0	30.0	64.19	71.32	107.65	8.1	8.1	4374
N21	768653.3520	657384.5980	1.0	-29.0	30.0	64.19	71.32	107.65	8.1	8.1	4374
N22	768652.1150	657393.1800	1.0	-29.0	30.0	64.19	71.32	107.65	8.1	8.1	4374
N23	768650.8780	657401.7620	1.0	-29.0	30.0	64.19	71.32	107.65	8.1	8.1	4374
N24	768650.0180	657407.7490	1.0	-29.0	30.0	64.19	71.32	107.65	8.1	8.1	4374
N25	768649.0100	657362.0710	1.0	-29.0	30.0	64.19	71.32	107.65	8.1	8.1	4374
N26	768647.7740	657370.6530	1.0	-29.0	30.0	64.19	71.32	107.65	8.1	8.1	4374
N27	768646.5370	657379.2350	1.0	-29.0	30.0	64.19	71.32	107.65	8.1	8.1	4374
N28	768645.3000	657387.8180	1.0	-29.0	30.0	64.19	71.32	107.65	8.1	8.1	4374
N29	768644.0630	657396.4000	1.0	-29.0	30.0	64.19	71.32	107.65	8.1	8.1	4374
N30	768642.8270	657404.9830	1.0	-29.0	30.0	64.19	71.32	107.65	8.1	8.1	4374
N31	768640.9590	657365.2910	1.0	-29.0	30.0	64.19	71.32	107.65	8.1	8.1	4374
N32	768639.7220	657373.8730	1.0	-29.0	30.0	64.19	71.32	107.65	8.1	8.1	4374
N33	768638.4850	657382.4550	1.0	-29.0	30.0	64.19	71.32	107.65	8.1	8.1	4374
N34	768637.2480	657391.0380	1.0	-29.0	30.0	64.19	71.32	107.65	8.1	8.1	4374
N35	768636.0120	657399.6200	1.0	-29.0	30.0	64.19	71.32	107.65	8.1	8.1	4374
N36	768636.5390	657404.7380	1.0	-29.0	30.0	64.19	71.32	107.65	8.1	8.1	4374
O1	768645.2740	657282.6870	1.0	-30.0	31.0	58.29	66.93	101.01	7.6	7.6	4104
O2	768644.0380	657291.2700	1.0	-30.0	31.0	58.29	66.93	101.01	7.6	7.6	4104
O3	768642.8010	657299.8520	1.0	-30.0	31.0	58.29	66.93	101.01	7.6	7.6	4104
O4	768637.9100	657280.0770	1.0	-30.0	31.0	58.29	66.93	101.01	7.6	7.6	4104
O5	768637.2230	657285.9070	1.0	-30.0	31.0	58.29	66.93	101.01	7.6	7.6	4104
O6	768635.9860	657294.4900	1.0	-30.0	31.0	58.29	66.93	101.01	7.6	7.6	4104
O7	768634.7490	657303.0720	1.0	-30.0	31.0	58.29	66.93	101.01	7.6	7.6	4104
P1	768633.5130	657311.6540	1.0	-30.0	31.0	65.28	74.95	113.12	8.5	8.5	4596
P2	768632.2760	657320.2370	1.0	-30.0	31.0	65.28	74.95	113.12	8.5	8.5	4596
P3	768631.0390	657328.8190	1.0	-30.0	31.0	65.28	74.95	113.12	8.5	8.5	4596
P4	768629.8020	657337.4010	1.0	-30.0	31.0	65.28	74.95	113.12	8.5	8.5	4596

P5	768628.5660	657345.9840	1.0	-30.0	31.0	65.28	74.95	113.12	8.5	8.5	4596
P6	768626.6980	657306.2920	1.0	-30.0	31.0	65.28	74.95	113.12	8.5	8.5	4596
P7	768625.4610	657314.8740	1.0	-30.0	31.0	65.28	74.95	113.12	8.5	8.5	4596
P8	768624.2240	657323.4570	1.0	-30.0	31.0	65.28	74.95	113.12	8.5	8.5	4596
P9	768622.9880	657332.0390	1.0	-30.0	31.0	65.28	74.95	113.12	8.5	8.5	4596
P10	768621.7510	657340.6210	1.0	-30.0	31.0	65.28	74.95	113.12	8.5	8.5	4596
P11	768618.6460	657309.5120	1.0	-30.0	31.0	65.28	74.95	113.12	8.5	8.5	4596
P12	768617.4090	657318.0940	1.0	-30.0	31.0	65.28	74.95	113.12	8.5	8.5	4596
P13	768616.1730	657326.6770	1.0	-30.0	31.0	65.28	74.95	113.12	8.5	8.5	4596
P14	768614.9360	657335.2590	1.0	-30.0	31.0	65.28	74.95	113.12	8.5	8.5	4596
P15	768613.6990	657343.8420	1.0	-30.0	31.0	65.28	74.95	113.12	8.5	8.5	4596
P16	768611.8310	657304.1500	1.0	-30.0	31.0	65.28	74.95	113.12	8.5	8.5	4596
P17	768610.5950	657312.7320	1.0	-30.0	31.0	65.28	74.95	113.12	8.5	8.5	4596
P18	768609.3580	657321.3150	1.0	-30.0	31.0	65.28	74.95	113.12	8.5	8.5	4596
P19	768608.1210	657329.8970	1.0	-30.0	31.0	65.28	74.95	113.12	8.5	8.5	4596
P20	768606.8840	657338.4790	1.0	-30.0	31.0	65.28	74.95	113.12	8.5	8.5	4596
P21	768603.7800	657307.3700	1.0	-30.0	31.0	65.28	74.95	113.12	8.5	8.5	4596
P22	768602.5430	657315.9520	1.0	-30.0	31.0	65.28	74.95	113.12	8.5	8.5	4596
P23	768601.3060	657324.5350	1.0	-30.0	31.0	65.28	74.95	113.12	8.5	8.5	4596
P24	768600.0700	657333.1170	1.0	-30.0	31.0	65.28	74.95	113.12	8.5	8.5	4596
P25	768598.8330	657341.6990	1.0	-30.0	31.0	65.28	74.95	113.12	8.5	8.5	4596
Q1	768630.1650	657281.7630	1.0	-32.5	33.5	63.75	79.10	119.38	9.0	9.0	4850
Q2	768629.1710	657289.1270	1.0	-32.5	33.5	63.75	79.10	119.38	9.0	9.0	4850
Q3	768627.9350	657297.7100	1.0	-32.5	33.5	63.75	79.10	119.38	9.0	9.0	4850
Q4	768622.9440	657278.5940	1.0	-32.5	33.5	63.75	79.10	119.38	9.0	9.0	4850
Q5	768622.3560	657283.7650	1.0	-32.5	33.5	63.75	79.10	119.38	9.0	9.0	4850
Q6	768621.1200	657292.3470	1.0	-32.5	33.5	63.75	79.10	119.38	9.0	9.0	4850
Q7	768619.8830	657300.9300	1.0	-32.5	33.5	63.75	79.10	119.38	9.0	9.0	4850
Q8	768615.2980	657279.6210	1.0	-32.5	33.5	63.75	79.10	119.38	9.0	9.0	4850
Q9	768614.3050	657286.9850	1.0	-32.5	33.5	63.75	79.10	119.38	9.0	9.0	4850
Q10	768613.0680	657295.5670	1.0	-32.5	33.5	63.75	79.10	119.38	9.0	9.0	4850
Q11	768608.0770	657276.4520	1.0	-32.5	33.5	63.75	79.10	119.38	9.0	9.0	4850
Q12	768607.4900	657281.6230	1.0	-32.5	33.5	63.75	79.10	119.38	9.0	9.0	4850
Q13	768606.2530	657290.2050	1.0	-32.5	33.5	63.75	79.10	119.38	9.0	9.0	4850
Q14	768605.0170	657298.7870	1.0	-32.5	33.5	63.75	79.10	119.38	9.0	9.0	4850
Q15	768600.4320	657277.4790	1.0	-32.5	33.5	63.75	79.10	119.38	9.0	9.0	4850
Q16	768599.4380	657284.8430	1.0	-32.5	33.5	63.75	79.10	119.38	9.0	9.0	4850
Q17	768598.2020	657293.4250	1.0	-32.5	33.5	63.75	79.10	119.38	9.0	9.0	4850
Q18	768592.6240	657279.4810	1.0	-32.5	33.5	63.75	79.10	119.38	9.0	9.0	4850
Q19	768591.3870	657288.0630	1.0	-32.5	33.5	63.75	79.10	119.38	9.0	9.0	4850
Q20	768590.1500	657296.6450	1.0	-32.5	33.5	63.75	79.10	119.38	9.0	9.0	4850
R1	768620.5140	657349.2040	1.0	-28.5	29.5	60.63	66.24	99.98	7.5	7.5	4062
R2	768619.2770	657357.7860	1.0	-28.5	29.5	60.63	66.24	99.98	7.5	7.5	4062
R3	768612.4630	657352.4240	1.0	-28.5	29.5	60.63	66.24	99.98	7.5	7.5	4062
R4	768611.5280	657357.4740	1.0	-28.5	29.5	60.63	66.24	99.98	7.5	7.5	4062
R5	768605.6480	657347.0620	1.0	-28.5	29.5	60.63	66.24	99.98	7.5	7.5	4062
R6	768604.4110	657355.6440	1.0	-28.5	29.5	60.63	66.24	99.98	7.5	7.5	4062
R7	768597.5960	657350.2820	1.0	-28.5	29.5	60.63	66.24	99.98	7.5	7.5	4062
R8	768596.6620	657355.3320	1.0	-28.5	29.5	60.63	66.24	99.98	7.5	7.5	4062
R9	768596.9650	657302.0080	1.0	-28.5	29.5	60.63	66.24	99.98	7.5	7.5	4062
R10	768595.7280	657310.5900	1.0	-28.5	29.5	60.63	66.24	99.98	7.5	7.5	4062
R11	768594.4910	657319.1720	1.0	-28.5	29.5	60.63	66.24	99.98	7.5	7.5	4062
R12	768593.2550	657327.7550	1.0	-28.5	29.5	60.63	66.24	99.98	7.5	7.5	4062
R13	768592.0180	657336.3370	1.0	-28.5	29.5	60.63	66.24	99.98	7.5	7.5	4062
R14	768590.7810	657344.9190	1.0	-28.5	29.5	60.63	66.24	99.98	7.5	7.5	4062
R15	768589.5450	657353.5020	1.0	-28.5	29.5	60.63	66.24	99.98	7.5	7.5	4062
R16	768586.4400	657322.3920	1.0	-28.5	29.5	60.63	66.24	99.98	7.5	7.5	4062
R17	768585.2030	657330.9750	1.0	-28.5	29.5	60.63	66.24	99.98	7.5	7.5	4062
R18	768583.9660	657339.5570	1.0	-28.5	29.5	60.63	66.24	99.98	7.5	7.5	4062
R19	768582.7300	657348.1390	1.0	-28.5	29.5	60.63	66.24	99.98	7.5	7.5	4062
R20	768581.7950	657353.1890	1.0	-28.5	29.5	60.63	66.24	99.98	7.5	7.5	4062
R21	768578.3880	657325.6120	1.0	-28.5	29.5	60.63	66.24	99.98	7.5	7.5	4062
R22	768577.1520	657334.1950	1.0	-28.5	29.5	60.63	66.24	99.98	7.5	7.5	4062
R23	768575.9150	657342.7770	1.0	-28.5	29.5	60.63	66.24	99.98	7.5	7.5	4062
R24	768574.6780	657351.3590	1.0	-28.5	29.5	60.63	66.24	99.98	7.5	7.5	4062
S1	768595.5280	657235.9380	1.0	-33.0	34.0	61.80	77.82	117.46	8.8	8.8	4772
S2	768594.2910	657244.5200	1.0	-33.0	34.0	61.80	77.82	117.46	8.8	8.8	4772
S3	768593.0550	657253.1020	1.0	-33.0	34.0	61.80	77.82	117.46	8.8	8.8	4772
S4	768591.8180	657261.6850	1.0	-33.0	34.0	61.80	77.82	117.46	8.8	8.8	4772
S5	768593.2820	657271.3080	1.0	-33.0	34.0	61.80	77.82	117.46	8.8	8.8	4772
S6	768590.7560	657239.7890	1.0	-33.0	34.0	61.80	77.82	117.46	8.8	8.8	4772
S7	768589.5190	657248.3710	1.0	-33.0	34.0	61.80	77.82	117.46	8.8	8.8	4772
S8	768588.2820	657256.9530	1.0	-33.0	34.0	61.80	77.82	117.46	8.8	8.8	4772
S9	768587.0450	657265.5360	1.0	-33.0	34.0	61.80	77.82	117.46	8.8	8.8	4772

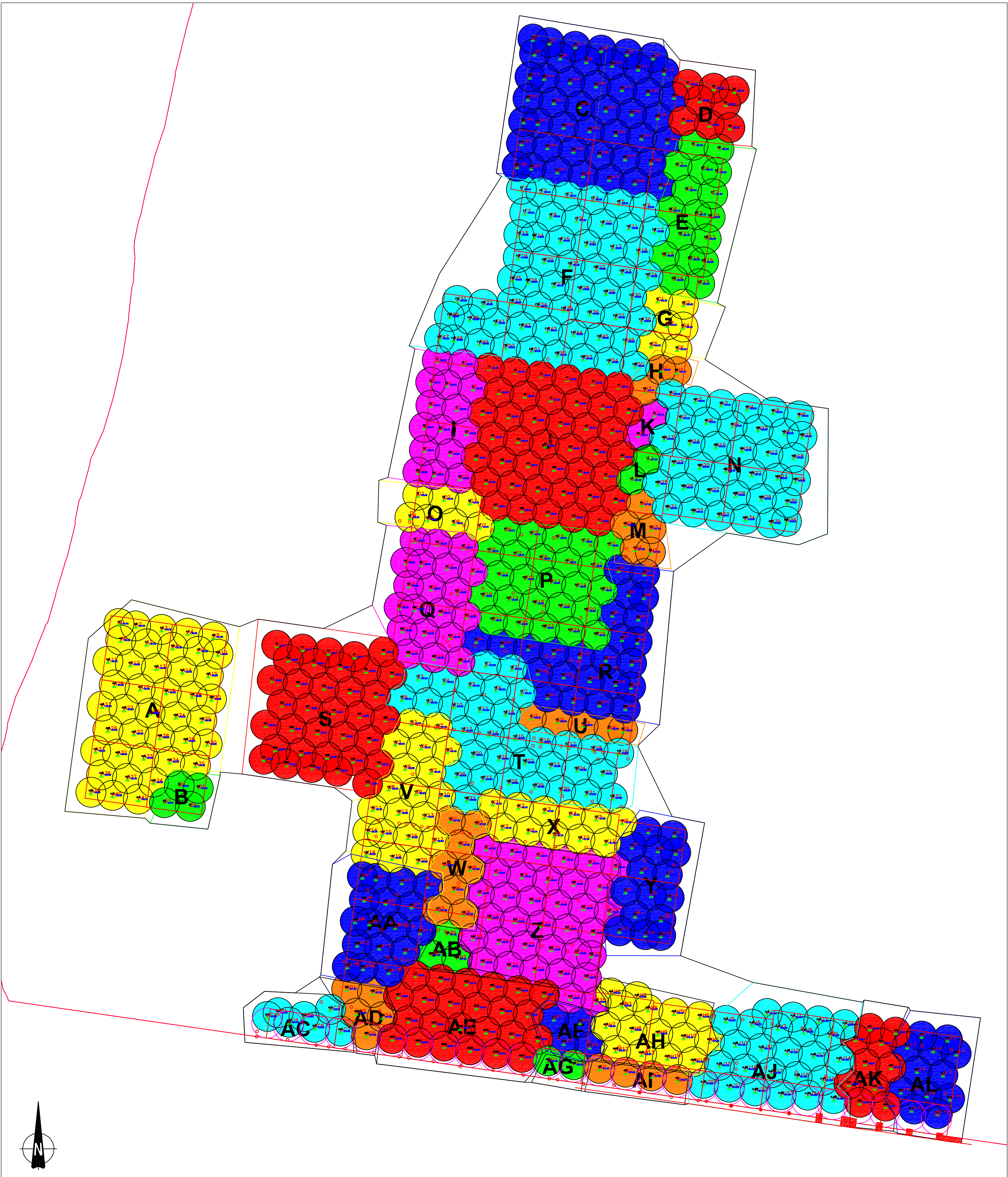
S10	768585.8090	657274.1180	1.0	-33.0	34.0	61.80	77.82	117.46	8.8	8.8	4772
S11	768583.9410	657234.4260	1.0	-33.0	34.0	61.80	77.82	117.46	8.8	8.8	4772
S12	768582.7040	657243.0090	1.0	-33.0	34.0	61.80	77.82	117.46	8.8	8.8	4772
S13	768581.4670	657251.5910	1.0	-33.0	34.0	61.80	77.82	117.46	8.8	8.8	4772
S14	768580.2310	657260.1740	1.0	-33.0	34.0	61.80	77.82	117.46	8.8	8.8	4772
S15	768578.9940	657268.7560	1.0	-33.0	34.0	61.80	77.82	117.46	8.8	8.8	4772
S16	768575.8890	657237.6470	1.0	-33.0	34.0	61.80	77.82	117.46	8.8	8.8	4772
S17	768574.6520	657246.2290	1.0	-33.0	34.0	61.80	77.82	117.46	8.8	8.8	4772
S18	768573.4160	657254.8110	1.0	-33.0	34.0	61.80	77.82	117.46	8.8	8.8	4772
S19	768572.1790	657263.3940	1.0	-33.0	34.0	61.80	77.82	117.46	8.8	8.8	4772
S20	768570.9420	657271.9760	1.0	-33.0	34.0	61.80	77.82	117.46	8.8	8.8	4772
S21	768569.0740	657232.2840	1.0	-33.0	34.0	61.80	77.82	117.46	8.8	8.8	4772
S22	768567.8380	657240.8670	1.0	-33.0	34.0	61.80	77.82	117.46	8.8	8.8	4772
S23	768566.6010	657249.4490	1.0	-33.0	34.0	61.80	77.82	117.46	8.8	8.8	4772
S24	768565.3640	657258.0310	1.0	-33.0	34.0	61.80	77.82	117.46	8.8	8.8	4772
S25	768564.1270	657266.6140	1.0	-33.0	34.0	61.80	77.82	117.46	8.8	8.8	4772
S26	768561.0230	657235.5040	1.0	-33.0	34.0	61.80	77.82	117.46	8.8	8.8	4772
S27	768559.7860	657244.0870	1.0	-33.0	34.0	61.80	77.82	117.46	8.8	8.8	4772
S28	768558.5490	657252.6690	1.0	-33.0	34.0	61.80	77.82	117.46	8.8	8.8	4772
S29	768557.3130	657261.2510	1.0	-33.0	34.0	61.80	77.82	117.46	8.8	8.8	4772
S30	768556.0760	657269.8340	1.0	-33.0	34.0	61.80	77.82	117.46	8.8	8.8	4772
S31	768557.8590	657231.5950	1.0	-33.0	34.0	61.80	77.82	117.46	8.8	8.8	4772
S32	768556.1040	657239.1610	1.0	-33.0	34.0	61.80	77.82	117.46	8.8	8.8	4772
S33	768555.0240	657247.7420	1.0	-33.0	34.0	61.80	77.82	117.46	8.8	8.8	4772
S34	768554.0110	657256.1860	1.0	-33.0	34.0	61.80	77.82	117.46	8.8	8.8	4772
S35	768549.6700	657266.0500	1.0	-33.0	34.0	61.80	77.82	117.46	8.8	8.8	4772
T1	768588.9130	657305.2280	1.0	-29.5	30.5	64.58	72.95	110.11	8.3	8.3	4473
T2	768587.6770	657313.8100	1.0	-29.5	30.5	64.58	72.95	110.11	8.3	8.3	4473
T3	768584.5720	657282.7010	1.0	-29.5	30.5	64.58	72.95	110.11	8.3	8.3	4473
T4	768583.3350	657291.2830	1.0	-29.5	30.5	64.58	72.95	110.11	8.3	8.3	4473
T5	768582.0980	657299.8650	1.0	-29.5	30.5	64.58	72.95	110.11	8.3	8.3	4473
T6	768580.8620	657308.4480	1.0	-29.5	30.5	64.58	72.95	110.11	8.3	8.3	4473
T7	768579.6250	657317.0300	1.0	-29.5	30.5	64.58	72.95	110.11	8.3	8.3	4473
T8	768577.7570	657277.3380	1.0	-29.5	30.5	64.58	72.95	110.11	8.3	8.3	4473
T9	768576.5200	657285.9210	1.0	-29.5	30.5	64.58	72.95	110.11	8.3	8.3	4473
T10	768575.2840	657294.5030	1.0	-29.5	30.5	64.58	72.95	110.11	8.3	8.3	4473
T11	768574.0470	657303.0850	1.0	-29.5	30.5	64.58	72.95	110.11	8.3	8.3	4473
T12	768572.8100	657311.6680	1.0	-29.5	30.5	64.58	72.95	110.11	8.3	8.3	4473
T13	768567.2320	657297.7230	1.0	-29.5	30.5	64.58	72.95	110.11	8.3	8.3	4473
T14	768565.9950	657306.3050	1.0	-29.5	30.5	64.58	72.95	110.11	8.3	8.3	4473
T15	768564.7590	657314.8880	1.0	-29.5	30.5	64.58	72.95	110.11	8.3	8.3	4473
T16	768563.5220	657323.4700	1.0	-29.5	30.5	64.58	72.95	110.11	8.3	8.3	4473
T17	768562.2850	657332.0520	1.0	-29.5	30.5	64.58	72.95	110.11	8.3	8.3	4473
T18	768561.0480	657340.6350	1.0	-29.5	30.5	64.58	72.95	110.11	8.3	8.3	4473
T19	768559.8120	657349.2170	1.0	-29.5	30.5	64.58	72.95	110.11	8.3	8.3	4473
T20	768559.1800	657300.9430	1.0	-29.5	30.5	64.58	72.95	110.11	8.3	8.3	4473
T21	768557.9440	657309.5250	1.0	-29.5	30.5	64.58	72.95	110.11	8.3	8.3	4473
T22	768556.7070	657318.1080	1.0	-29.5	30.5	64.58	72.95	110.11	8.3	8.3	4473
T23	768555.4700	657326.6900	1.0	-29.5	30.5	64.58	72.95	110.11	8.3	8.3	4473
T24	768554.2340	657335.2720	1.0	-29.5	30.5	64.58	72.95	110.11	8.3	8.3	4473
T25	768552.9970	657343.8550	1.0	-29.5	30.5	64.58	72.95	110.11	8.3	8.3	4473
T26	768552.3660	657295.5810	1.0	-29.5	30.5	64.58	72.95	110.11	8.3	8.3	4473
T27	768551.1290	657304.1630	1.0	-29.5	30.5	64.58	72.95	110.11	8.3	8.3	4473
T28	768549.8920	657312.7450	1.0	-29.5	30.5	64.58	72.95	110.11	8.3	8.3	4473
T29	768548.6550	657321.3280	1.0	-29.5	30.5	64.58	72.95	110.11	8.3	8.3	4473
T30	768547.4190	657329.9100	1.0	-29.5	30.5	64.58	72.95	110.11	8.3	8.3	4473
T31	768546.1820	657338.4920	1.0	-29.5	30.5	64.58	72.95	110.11	8.3	8.3	4473
T32	768544.9450	657347.0750	1.0	-29.5	30.5	64.58	72.95	110.11	8.3	8.3	4473
T33	768544.3140	657298.8010	1.0	-29.5	30.5	64.58	72.95	110.11	8.3	8.3	4473
U1	768571.5730	657320.2500	1.0	-28.0	29.0	50.60	54.35	82.03	6.2	6.2	3333
U2	768570.3370	657328.8320	1.0	-28.0	29.0	50.60	54.35	82.03	6.2	6.2	3333
U3	768569.1000	657337.4150	1.0	-28.0	29.0	50.60	54.35	82.03	6.2	6.2	3333
U4	768567.8630	657345.9970	1.0	-28.0	29.0	50.60	54.35	82.03	6.2	6.2	3333
U5	768567.3050	657350.5710	1.0	-28.0	29.0	50.60	54.35	82.03	6.2	6.2	3333
V1	768569.7060	657280.5580	1.0	-30.5	31.5	65.20	76.07	114.81	8.6	8.6	4665
V2	768568.4690	657289.1410	1.0	-30.5	31.5	65.20	76.07	114.81	8.6	8.6	4665
V3	768562.8910	657275.1960	1.0	-30.5	31.5	65.20	76.07	114.81	8.6	8.6	4665
V4	768561.6540	657283.7780	1.0	-30.5	31.5	65.20	76.07	114.81	8.6	8.6	4665
V5	768560.4170	657292.3610	1.0	-30.5	31.5	65.20	76.07	114.81	8.6	8.6	4665
V6	768554.8390	657278.4160	1.0	-30.5	31.5	65.20	76.07	114.81	8.6	8.6	4665
V7	768553.6020	657286.9980	1.0	-30.5	31.5	65.20	76.07	114.81	8.6	8.6	4665
V8	768548.0240	657273.0540	1.0	-30.5	31.5	65.20	76.07	114.81	8.6	8.6	4665
V9	768546.5230	657282.0740	1.0	-30.5	31.5	65.20	76.07	114.81	8.6	8.6	4665
V10	768545.5510	657290.2180	1.0	-30.5	31.5	65.20	76.07	114.81	8.6	8.6	4665

V11	768541.2090	657267.6910	1.0	-30.5	31.5	65.20	76.07	114.81	8.6	8.6	4665
V12	768539.9730	657276.2740	1.0	-30.5	31.5	65.20	76.07	114.81	8.6	8.6	4665
V13	768538.7360	657284.8560	1.0	-30.5	31.5	65.20	76.07	114.81	8.6	8.6	4665
V14	768533.8000	657266.1550	1.0	-30.5	31.5	65.20	76.07	114.81	8.6	8.6	4665
V15	768533.1580	657270.9110	1.0	-30.5	31.5	65.20	76.07	114.81	8.6	8.6	4665
V16	768531.9210	657279.4940	1.0	-30.5	31.5	65.20	76.07	114.81	8.6	8.6	4665
V17	768530.6840	657288.0760	1.0	-30.5	31.5	65.20	76.07	114.81	8.6	8.6	4665
V18	768526.3430	657265.5490	1.0	-30.5	31.5	65.20	76.07	114.81	8.6	8.6	4665
V19	768525.1060	657274.1310	1.0	-30.5	31.5	65.20	76.07	114.81	8.6	8.6	4665
V20	768523.8690	657282.7140	1.0	-30.5	31.5	65.20	76.07	114.81	8.6	8.6	4665
W1	768537.4990	657293.4380	1.0	-27.5	28.5	59.00	62.28	94.00	7.1	7.1	3819
W2	768536.2620	657302.0210	1.0	-27.5	28.5	59.00	62.28	94.00	7.1	7.1	3819
W3	768529.4480	657296.6580	1.0	-27.5	28.5	59.00	62.28	94.00	7.1	7.1	3819
W4	768522.6330	657291.2960	1.0	-27.5	28.5	59.00	62.28	94.00	7.1	7.1	3819
W5	768521.3960	657299.8780	1.0	-27.5	28.5	59.00	62.28	94.00	7.1	7.1	3819
W6	768514.5810	657294.5160	1.0	-27.5	28.5	59.00	62.28	94.00	7.1	7.1	3819
W7	768507.7660	657289.1540	1.0	-27.5	28.5	59.00	62.28	94.00	7.1	7.1	3819
W8	768506.5300	657297.7360	1.0	-27.5	28.5	59.00	62.28	94.00	7.1	7.1	3819
X1	768543.0770	657307.3830	1.0	-31.5	32.5	66.73	80.32	121.23	9.1	9.1	4925
X2	768541.8410	657315.9650	1.0	-31.5	32.5	66.73	80.32	121.23	9.1	9.1	4925
X3	768540.6040	657324.5480	1.0	-31.5	32.5	66.73	80.32	121.23	9.1	9.1	4925
X4	768539.3670	657333.1300	1.0	-31.5	32.5	66.73	80.32	121.23	9.1	9.1	4925
X5	768538.1300	657341.7120	1.0	-31.5	32.5	66.73	80.32	121.23	9.1	9.1	4925
X6	768536.8940	657350.2950	1.0	-31.5	32.5	66.73	80.32	121.23	9.1	9.1	4925
X7	768535.0260	657310.6030	1.0	-31.5	32.5	66.73	80.32	121.23	9.1	9.1	4925
X8	768533.7890	657319.1850	1.0	-31.5	32.5	66.73	80.32	121.23	9.1	9.1	4925
X9	768532.5520	657327.7680	1.0	-31.5	32.5	66.73	80.32	121.23	9.1	9.1	4925
X10	768531.3150	657336.3500	1.0	-31.5	32.5	66.73	80.32	121.23	9.1	9.1	4925
X11	768530.0790	657344.9320	1.0	-31.5	32.5	66.73	80.32	121.23	9.1	9.1	4925
Y1	768533.8980	657358.9530	1.0	-28.5	29.5	56.20	61.40	92.68	7.0	7.0	3765
Y2	768532.8010	657367.6250	1.0	-28.5	29.5	56.20	61.40	92.68	7.0	7.0	3765
Y3	768528.8420	657353.5150	1.0	-28.5	29.5	56.20	61.40	92.68	7.0	7.0	3765
Y4	768527.6050	657362.0970	1.0	-28.5	29.5	56.20	61.40	92.68	7.0	7.0	3765
Y5	768526.7910	657368.0790	1.0	-28.5	29.5	56.20	61.40	92.68	7.0	7.0	3765
Y6	768520.7900	657356.7350	1.0	-28.5	29.5	56.20	61.40	92.68	7.0	7.0	3765
Y7	768519.5540	657365.3170	1.0	-28.5	29.5	56.20	61.40	92.68	7.0	7.0	3765
Y8	768513.9760	657351.3730	1.0	-28.5	29.5	56.20	61.40	92.68	7.0	7.0	3765
Y9	768512.7390	657359.9550	1.0	-28.5	29.5	56.20	61.40	92.68	7.0	7.0	3765
Y10	768511.9250	657365.9360	1.0	-28.5	29.5	56.20	61.40	92.68	7.0	7.0	3765
Y11	768505.9240	657354.5930	1.0	-28.5	29.5	56.20	61.40	92.68	7.0	7.0	3765
Y12	768504.6870	657363.1750	1.0	-28.5	29.5	56.20	61.40	92.68	7.0	7.0	3765
Y13	768500.8980	657349.4220	1.0	-28.5	29.5	56.20	61.40	92.68	7.0	7.0	3765
Y14	768499.6620	657358.0040	1.0	-28.5	29.5	56.20	61.40	92.68	7.0	7.0	3765
Y15	768499.4050	657363.1260	1.0	-28.5	29.5	56.20	61.40	92.68	7.0	7.0	3765
Z1	768528.2110	657305.2410	1.0	-33.0	34.0	66.17	83.33	125.76	9.4	9.4	5110
Z2	768526.9740	657313.8230	1.0	-33.0	34.0	66.17	83.33	125.76	9.4	9.4	5110
Z3	768525.7370	657322.4050	1.0	-33.0	34.0	66.17	83.33	125.76	9.4	9.4	5110
Z4	768524.5010	657330.9880	1.0	-33.0	34.0	66.17	83.33	125.76	9.4	9.4	5110
Z5	768523.2640	657339.5700	1.0	-33.0	34.0	66.17	83.33	125.76	9.4	9.4	5110
Z6	768522.0270	657348.1530	1.0	-33.0	34.0	66.17	83.33	125.76	9.4	9.4	5110
Z7	768520.1590	657308.4610	1.0	-33.0	34.0	66.17	83.33	125.76	9.4	9.4	5110
Z8	768518.9230	657317.0430	1.0	-33.0	34.0	66.17	83.33	125.76	9.4	9.4	5110
Z9	768517.6860	657325.6250	1.0	-33.0	34.0	66.17	83.33	125.76	9.4	9.4	5110
Z10	768516.4490	657334.2080	1.0	-33.0	34.0	66.17	83.33	125.76	9.4	9.4	5110
Z11	768515.2120	657342.7900	1.0	-33.0	34.0	66.17	83.33	125.76	9.4	9.4	5110
Z12	768513.3440	657303.0980	1.0	-33.0	34.0	66.17	83.33	125.76	9.4	9.4	5110
Z13	768511.9580	657311.6090	1.0	-33.0	34.0	66.17	83.33	125.76	9.4	9.4	5110
Z14	768510.8710	657320.2630	1.0	-33.0	34.0	66.17	83.33	125.76	9.4	9.4	5110
Z15	768509.6340	657328.8460	1.0	-33.0	34.0	66.17	83.33	125.76	9.4	9.4	5110
Z16	768508.3970	657337.4280	1.0	-33.0	34.0	66.17	83.33	125.76	9.4	9.4	5110
Z17	768507.1610	657346.0100	1.0	-33.0	34.0	66.17	83.33	125.76	9.4	9.4	5110
Z18	768505.2930	657306.3190	1.0	-33.0	34.0	66.17	83.33	125.76	9.4	9.4	5110
Z19	768504.0560	657314.9010	1.0	-33.0	34.0	66.17	83.33	125.76	9.4	9.4	5110
Z20	768502.8190	657323.4830	1.0	-33.0	34.0	66.17	83.33	125.76	9.4	9.4	5110
Z21	768501.5830	657332.0660	1.0	-33.0	34.0	66.17	83.33	125.76	9.4	9.4	5110
Z22	768500.3460	657340.6480	1.0	-33.0	34.0	66.17	83.33	125.76	9.4	9.4	5110
Z23	768498.4780	657300.9560	1.0	-33.0	34.0	66.17	83.33	125.76	9.4	9.4	5110
Z24	768497.2410	657309.5390	1.0	-33.0	34.0	66.17	83.33	125.76	9.4	9.4	5110
Z25	768496.0040	657318.1210	1.0	-33.0	34.0	66.17	83.33	125.76	9.4	9.4	5110
Z26	768494.7680	657326.7030	1.0	-33.0	34.0	66.17	83.33	125.76	9.4	9.4	5110
Z27	768493.5310	657335.2860	1.0	-33.0	34.0	66.17	83.33	125.76	9.4	9.4	5110
Z28	768492.7520	657340.1090	1.0	-33.0	34.0	66.17	83.33	125.76	9.4	9.4	5110
Z29	768490.4260	657304.1760	1.0	-33.0	34.0	66.17	83.33	125.76	9.4	9.4	5110
Z30	768489.1900	657312.7590	1.0	-33.0	34.0	66.17	83.33	125.76	9.4	9.4	5110

Z31	768487.9530	657321.3410	1.0	-33.0	34.0	66.17	83.33	125.76	9.4	9.4	5110
Z32	768486.7160	657329.9230	1.0	-33.0	34.0	66.17	83.33	125.76	9.4	9.4	5110
Z33	768485.4790	657338.5060	1.0	-33.0	34.0	66.17	83.33	125.76	9.4	9.4	5110
Z34	768478.6650	657333.1430	1.0	-33.0	34.0	66.17	83.33	125.76	9.4	9.4	5110
Z35	768477.4290	657341.7190	1.0	-33.0	34.0	66.17	83.33	125.76	9.4	9.4	5110
AA1	768518.8800	657264.3090	1.0	-28.5	29.5	59.82	65.36	98.65	7.4	7.4	4008
AA2	768518.2910	657268.7690	1.0	-28.5	29.5	59.82	65.36	98.65	7.4	7.4	4008
AA3	768517.0550	657277.3510	1.0	-28.5	29.5	59.82	65.36	98.65	7.4	7.4	4008
AA4	768515.8180	657285.9340	1.0	-28.5	29.5	59.82	65.36	98.65	7.4	7.4	4008
AA5	768511.2680	657264.9240	1.0	-28.5	29.5	59.82	65.36	98.65	7.4	7.4	4008
AA6	768510.2400	657271.9890	1.0	-28.5	29.5	59.82	65.36	98.65	7.4	7.4	4008
AA7	768509.0030	657280.5710	1.0	-28.5	29.5	59.82	65.36	98.65	7.4	7.4	4008
AA8	768504.0860	657261.9270	1.0	-28.5	29.5	59.82	65.36	98.65	7.4	7.4	4008
AA9	768503.4250	657266.6270	1.0	-28.5	29.5	59.82	65.36	98.65	7.4	7.4	4008
AA10	768502.1880	657275.2090	1.0	-28.5	29.5	59.82	65.36	98.65	7.4	7.4	4008
AA11	768500.4720	657283.3560	1.0	-28.5	29.5	59.82	65.36	98.65	7.4	7.4	4008
AA12	768496.3700	657262.6100	1.0	-28.5	29.5	59.82	65.36	98.65	7.4	7.4	4008
AA13	768495.3730	657269.8470	1.0	-28.5	29.5	59.82	65.36	98.65	7.4	7.4	4008
AA14	768494.1370	657278.4290	1.0	-28.5	29.5	59.82	65.36	98.65	7.4	7.4	4008
AA15	768489.1240	657259.3340	1.0	-28.5	29.5	59.82	65.36	98.65	7.4	7.4	4008
AA16	768488.5580	657264.4840	1.0	-28.5	29.5	59.82	65.36	98.65	7.4	7.4	4008
AA17	768487.3220	657273.0670	1.0	-28.5	29.5	59.82	65.36	98.65	7.4	7.4	4008
AB1	768499.7150	657292.3740	1.0	-27.0	28.0	56.33	58.42	88.17	6.6	6.6	3582
AB2	768492.9000	657287.0120	1.0	-27.0	28.0	56.33	58.42	88.17	6.6	6.6	3582
AB3	768491.6630	657295.5940	1.0	-27.0	28.0	56.33	58.42	88.17	6.6	6.6	3582
AC1	768473.8270	657236.3960	1.0	-29.0	30.0	56.35	62.61	94.50	7.1	7.1	3839
AC2	768472.5910	657244.9790	1.0	-29.0	30.0	56.35	62.61	94.50	7.1	7.1	3839
AC3	768474.9290	657253.7600	1.0	-29.0	30.0	56.35	62.61	94.50	7.1	7.1	3839
AC4	768472.6000	657232.8800	1.0	-29.0	30.0	56.35	62.61	94.50	7.1	7.1	3839
AC5	768470.6700	657240.0200	1.0	-29.0	30.0	56.35	62.61	94.50	7.1	7.1	3839
AC6	768468.9500	657248.5000	1.0	-29.0	30.0	56.35	62.61	94.50	7.1	7.1	3839
AC7	768467.7200	657257.0800	1.0	-29.0	30.0	56.35	62.61	94.50	7.1	7.1	3839
AD1	768481.7440	657259.1220	1.0	-27.5	28.5	55.80	58.90	88.90	6.7	6.7	3612
AD2	768480.5070	657267.7050	1.0	-27.5	28.5	55.80	58.90	88.90	6.7	6.7	3612
AD3	768473.7090	657262.3650	1.0	-27.5	28.5	55.80	58.90	88.90	6.7	6.7	3612
AD4	768472.4550	657270.9250	1.0	-27.5	28.5	55.80	58.90	88.90	6.7	6.7	3612
AD5	768466.4800	657265.6600	1.0	-27.5	28.5	55.80	58.90	88.90	6.7	6.7	3612
AE1	768486.1970	657281.6940	1.0	-39.0	40.0	67.26	99.64	150.39	11.3	11.3	6110
AE2	768484.8480	657290.2320	1.0	-39.0	40.0	67.26	99.64	150.39	11.3	11.3	6110
AE3	768483.6120	657298.8140	1.0	-39.0	40.0	67.26	99.64	150.39	11.3	11.3	6110
AE4	768482.3750	657307.3960	1.0	-39.0	40.0	67.26	99.64	150.39	11.3	11.3	6110
AE5	768481.1380	657315.9790	1.0	-39.0	40.0	67.26	99.64	150.39	11.3	11.3	6110
AE6	768479.9010	657324.5610	1.0	-39.0	40.0	67.26	99.64	150.39	11.3	11.3	6110
AE7	768479.2700	657276.2870	1.0	-39.0	40.0	67.26	99.64	150.39	11.3	11.3	6110
AE8	768478.0330	657284.8690	1.0	-39.0	40.0	67.26	99.64	150.39	11.3	11.3	6110
AE9	768476.7970	657293.4520	1.0	-39.0	40.0	67.26	99.64	150.39	11.3	11.3	6110
AE10	768475.5600	657302.0340	1.0	-39.0	40.0	67.26	99.64	150.39	11.3	11.3	6110
AE11	768474.3230	657310.6160	1.0	-39.0	40.0	67.26	99.64	150.39	11.3	11.3	6110
AE12	768473.0860	657319.1990	1.0	-39.0	40.0	67.26	99.64	150.39	11.3	11.3	6110
AE13	768471.2190	657279.5070	1.0	-39.0	40.0	67.26	99.64	150.39	11.3	11.3	6110
AE14	768469.9820	657288.0890	1.0	-39.0	40.0	67.26	99.64	150.39	11.3	11.3	6110
AE15	768468.7450	657296.6720	1.0	-39.0	40.0	67.26	99.64	150.39	11.3	11.3	6110
AE16	768467.5080	657305.2540	1.0	-39.0	40.0	67.26	99.64	150.39	11.3	11.3	6110
AE17	768466.2720	657313.8360	1.0	-39.0	40.0	67.26	99.64	150.39	11.3	11.3	6110
AE18	768465.0350	657322.4190	1.0	-39.0	40.0	67.26	99.64	150.39	11.3	11.3	6110
AE19	768465.2400	657274.2400	1.0	-39.0	40.0	67.26	99.64	150.39	11.3	11.3	6110
AE20	768464.0100	657282.8300	1.0	-39.0	40.0	67.26	99.64	150.39	11.3	11.3	6110
AE21	768462.7700	657291.4100	1.0	-39.0	40.0	67.26	99.64	150.39	11.3	11.3	6110
AE22	768461.5300	657299.9900	1.0	-39.0	40.0	67.26	99.64	150.39	11.3	11.3	6110
AE23	768460.3000	657308.5700	1.0	-39.0	40.0	67.26	99.64	150.39	11.3	11.3	6110
AE24	768459.0600	657317.1500	1.0	-39.0	40.0	67.26	99.64	150.39	11.3	11.3	6110
AF1	768471.8500	657327.7810	1.0	-28.5	29.5	65.00	71.02	107.19	8.0	8.0	4355
AF2	768470.6130	657336.3630	1.0	-28.5	29.5	65.00	71.02	107.19	8.0	8.0	4355
AF3	768463.7980	657331.0010	1.0	-28.5	29.5	65.00	71.02	107.19	8.0	8.0	4355
AF4	768462.5620	657339.5760	1.0	-28.5	29.5	65.00	71.02	107.19	8.0	8.0	4355
AG1	768457.8200	657325.7400	1.0	-26.5	27.5	56.71	57.76	87.18	6.5	6.5	3542
AG2	768456.5900	657334.3200	1.0	-26.5	27.5	56.71	57.76	87.18	6.5	6.5	3542
AH1	768480.3430	657346.6150	1.0	-25.0	26.0	62.93	60.60	91.46	6.9	6.9	3716
AH2	768479.1070	657355.1970	1.0	-25.0	26.0	62.93	60.60	91.46	6.9	6.9	3716
AH3	768476.1920	657350.3010	1.0	-25.0	26.0	62.93	60.60	91.46	6.9	6.9	3716
AH4	768474.9550	657358.8830	1.0	-25.0	26.0	62.93	60.60	91.46	6.9	6.9	3716
AH5	768473.7190	657367.4660	1.0	-25.0	26.0	62.93	60.60	91.46	6.9	6.9	3716
AH6	768472.4820	657376.0480	1.0	-25.0	26.0	62.93	60.60	91.46	6.9	6.9	3716
AH7	768469.3770	657344.9390	1.0	-25.0	26.0	62.93	60.60	91.46	6.9	6.9	3716

AH8	768468.1410	657353.5210	1.0	-25.0	26.0	62.93	60.60	91.46	6.9	6.9	3716
AH9	768466.9040	657362.1030	1.0	-25.0	26.0	62.93	60.60	91.46	6.9	6.9	3716
AH10	768465.6670	657370.6860	1.0	-25.0	26.0	62.93	60.60	91.46	6.9	6.9	3716
AH11	768464.4290	657379.2750	1.0	-25.0	26.0	62.93	60.60	91.46	6.9	6.9	3716
AH12	768461.3260	657348.1590	1.0	-25.0	26.0	62.93	60.60	91.46	6.9	6.9	3716
AH13	768460.0890	657356.7410	1.0	-25.0	26.0	62.93	60.60	91.46	6.9	6.9	3716
AH14	768458.8520	657365.3230	1.0	-25.0	26.0	62.93	60.60	91.46	6.9	6.9	3716
AH15	768457.6150	657373.9060	1.0	-25.0	26.0	62.93	60.60	91.46	6.9	6.9	3716
AI1	768455.3500	657342.8900	1.0	-24.0	25.0	55.67	51.55	77.80	5.8	5.8	3161
AI2	768454.1100	657351.4800	1.0	-24.0	25.0	55.67	51.55	77.80	5.8	5.8	3161
AI3	768452.8800	657360.0600	1.0	-24.0	25.0	55.67	51.55	77.80	5.8	5.8	3161
AI4	768451.6400	657368.6400	1.0	-24.0	25.0	55.67	51.55	77.80	5.8	5.8	3161
AJ1	768473.5850	657398.2980	1.0	-24.5	25.5	61.95	58.51	88.31	6.6	6.6	3588
AJ2	768472.3480	657406.8810	1.0	-24.5	25.5	61.95	58.51	88.31	6.6	6.6	3588
AJ3	768471.1110	657415.4630	1.0	-24.5	25.5	61.95	58.51	88.31	6.6	6.6	3588
AJ4	768469.8750	657424.0450	1.0	-24.5	25.5	61.95	58.51	88.31	6.6	6.6	3588
AJ5	768471.2440	657384.6370	1.0	-24.5	25.5	61.95	58.51	88.31	6.6	6.6	3588
AJ6	768470.0070	657393.2200	1.0	-24.5	25.5	61.95	58.51	88.31	6.6	6.6	3588
AJ7	768468.7710	657401.8020	1.0	-24.5	25.5	61.95	58.51	88.31	6.6	6.6	3588
AJ8	768467.5340	657410.3840	1.0	-24.5	25.5	61.95	58.51	88.31	6.6	6.6	3588
AJ9	768466.2970	657418.9670	1.0	-24.5	25.5	61.95	58.51	88.31	6.6	6.6	3588
AJ10	768463.1930	657387.8570	1.0	-24.5	25.5	61.95	58.51	88.31	6.6	6.6	3588
AJ11	768461.9560	657396.4400	1.0	-24.5	25.5	61.95	58.51	88.31	6.6	6.6	3588
AJ12	768460.7190	657405.0220	1.0	-24.5	25.5	61.95	58.51	88.31	6.6	6.6	3588
AJ13	768459.4820	657413.6040	1.0	-24.5	25.5	61.95	58.51	88.31	6.6	6.6	3588
AJ14	768458.2460	657422.1870	1.0	-24.5	25.5	61.95	58.51	88.31	6.6	6.6	3588
AJ15	768456.3780	657382.4950	1.0	-24.5	25.5	61.95	58.51	88.31	6.6	6.6	3588
AJ16	768455.1410	657391.0770	1.0	-24.5	25.5	61.95	58.51	88.31	6.6	6.6	3588
AJ17	768453.9040	657399.6600	1.0	-24.5	25.5	61.95	58.51	88.31	6.6	6.6	3588
AJ18	768452.6680	657408.2420	1.0	-24.5	25.5	61.95	58.51	88.31	6.6	6.6	3588
AJ19	768451.4310	657416.8250	1.0	-24.5	25.5	61.95	58.51	88.31	6.6	6.6	3588
AJ20	768450.4000	657377.2300	1.0	-24.5	25.5	61.95	58.51	88.31	6.6	6.6	3588
AJ21	768449.1600	657385.8100	1.0	-24.5	25.5	61.95	58.51	88.31	6.6	6.6	3588
AJ22	768447.9300	657394.4000	1.0	-24.5	25.5	61.95	58.51	88.31	6.6	6.6	3588
AJ23	768446.6900	657402.9800	1.0	-24.5	25.5	61.95	58.51	88.31	6.6	6.6	3588
AJ24	768446.5600	657411.7900	1.0	-24.5	25.5	61.95	58.51	88.31	6.6	6.6	3588
AJ25	768445.3200	657420.3800	1.0	-24.5	25.5	61.95	58.51	88.31	6.6	6.6	3588
AK1	768468.6200	657432.2890	1.0	-23.0	24.0	57.92	51.48	77.71	5.8	5.8	3157
AK2	768467.3840	657440.8710	1.0	-23.0	24.0	57.92	51.48	77.71	5.8	5.8	3157
AK3	768465.0600	657427.5490	1.0	-23.0	24.0	57.92	51.48	77.71	5.8	5.8	3157
AK4	768463.8240	657436.1310	1.0	-23.0	24.0	57.92	51.48	77.71	5.8	5.8	3157
AK5	768457.0090	657430.7690	1.0	-23.0	24.0	57.92	51.48	77.71	5.8	5.8	3157
AK6	768455.7720	657439.3520	1.0	-23.0	24.0	57.92	51.48	77.71	5.8	5.8	3157
AK7	768450.1940	657425.4070	1.0	-23.0	24.0	57.92	51.48	77.71	5.8	5.8	3157
AK8	768448.9570	657433.9890	1.0	-23.0	24.0	57.92	51.48	77.71	5.8	5.8	3157
AK9	768444.0900	657428.9600	1.0	-23.0	24.0	57.92	51.48	77.71	5.8	5.8	3157
AK10	768442.8500	657437.5400	1.0	-23.0	24.0	57.92	51.48	77.71	5.8	5.8	3157
AL1	768466.1120	657449.4590	1.0	-22.5	23.5	55.71	48.49	73.18	5.5	5.5	2973
AL2	768464.8760	657458.0410	1.0	-22.5	23.5	55.71	48.49	73.18	5.5	5.5	2973
AL3	768462.5870	657444.7140	1.0	-22.5	23.5	55.71	48.49	73.18	5.5	5.5	2973
AL4	768461.3500	657453.2960	1.0	-22.5	23.5	55.71	48.49	73.18	5.5	5.5	2973
AL5	768460.2610	657460.9420	1.0	-22.5	23.5	55.71	48.49	73.18	5.5	5.5	2973
AL6	768454.5350	657447.9340	1.0	-22.5	23.5	55.71	48.49	73.18	5.5	5.5	2973
AL7	768453.2990	657456.5160	1.0	-22.5	23.5	55.71	48.49	73.18	5.5	5.5	2973
AL8	768447.7210	657442.5720	1.0	-22.5	23.5	55.71	48.49	73.18	5.5	5.5	2973
AL9	768446.4840	657451.1540	1.0	-22.5	23.5	55.71	48.49	73.18	5.5	5.5	2973
AL10	768445.3950	657458.8000	1.0	-22.5	23.5	55.71	48.49	73.18	5.5	5.5	2973
AL11	768441.6100	657446.1200	1.0	-22.5	23.5	55.71	48.49	73.18	5.5	5.5	2973
AL12	768441.2100	657455.0600	1.0	-22.5	23.5	55.71	48.49	73.18	5.5	5.5	2973
TOTALS			646.0			40203.85	46135.85	69633.77	5222.6	5222.6	2829083

ATTACHMENT 3
PROPOSED COLUMN LAYOUT



Geo-Solutions

SHEET 1 OF 1

Drawing Name
Column Layout

Former Excelsior Bag 25, 35, and 45 Riverside Drive

ISS Progression Map

Yonkers, NY

GEO-SOLUTIONS PROJECT #23-075

REVISIONS			
REV	DESCRIPTION		
a	Revised:	Chkd:	Appr.:
b	Revised:	Chkd:	Appr.:
c	Revised:	Chkd:	Appr.:

DRAWN BY	DMW 04/09/2024
CHECKED	
APPROVED	

ATTACHMENT 4
BATCH PLANT LAYOUT

Geo-Solutions

SHEET 1 OF 1

Drawing Name: Column Layout

Former Excelsior Bag 25, 35, and 45 Riverside Drive

ISS Column Layout

Yonkers, NY

GEO–SOLUTIONS PROJECT #23–075

REVISIONS				
REV	DESCRIPTION			
a	Reviewed:	Chkd:	Appr.:	
b	Reviewed:	Chkd:	Appr.:	
c	Reviewed:	Chkd:	Appr.:	

DRAWN BY	DMW 03/13/2024
CHECKED	
APPROVED	