
Devin Ryan

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File #: 206916

May 23, 2025

VIA ELECTRONIC FILING

Matthew Homsher, Secretary
Pennsylvania Public Utility Commission
Commonwealth Keystone Building
400 North Street, 2nd Floor North
P.O. Box 3265
Harrisburg, PA 17105-3265

**Re: IN THE MATTER OF THE APPLICATION OF THE YORK WATER COMPANY,
Under Sections 507 and 1102(a)(1) of the Public Utility Code, for approval of the right
of THE YORK WATER COMPANY to (1) assume a municipal agreement with West
Manheim Township and (2) begin to offer, render, furnish, or supply wastewater
service to the public in an additional contiguous portion of West Manheim Township,
York County, Pennsylvania
Docket No. A-2025-3053794**

Dear Secretary Homsher:

Attached please find The York Water Company's responses to TUS Data Request Set I in the above-referenced proceeding. A copy is being provided to James Kennedy at the Bureau of Technical Utility Services.

Respectfully submitted,



Devin Ryan

DR/sa
Attachment

cc: James Kennedy (*via email; w/attachment*)

TUS Data Request Set 1

Application of The York Water Company - Wastewater for approval of the right to begin to offer, render, furnish or supply wastewater service to the public in an additional portion of West Manheim Township, York County, Pennsylvania

Docket No. A-2025-3053794

A-1 The Application did not include a detailed description of the planned facilities for furnishing service. 52 Pa. Code § 3.501(a)(1)(i)(A) requires that utilities provide a full description of the proposed wastewater collection, treatment, and disposal facilities.

Please provide a detailed description of the proposed facilities for furnishing service including the wastewater treatment plant (WWTP), Werner Pump Station, and collection system by plant accounts, pipe sizes and material types.

RESPONDENT:

Andrew Prosser
Director of Engineering & Construction
The York Water Company

RESPONSE:

Because York Water does not hold the Certificate of Public Convenience to serve this additional portion of West Manheim Township, the Company has not developed its own permit plans as of the date of this response. However, the most current design plans are included in **A-1 Attachment 1**. York Water plans to develop refined plans, the work for which is subject to a contract. The York Water facilities will be similar to the plans included in **A-1 Attachment 1**. The Company maintains that the descriptions in the plans attached satisfy 52 Pa. Code § 3.501(a)(1)(i)(A) related to yet to be permitted facilities for yet to be constructed customer connections.

The WWTP will be designed as an extended air treatment facility designed for an average daily flow of approximately 58,000 gpd,¹ with outfall to the adjacent creek, as the attached/original plans reflect. Sewer mains will be 8" SDR-35.

The Werner Pump Station plans are included in **A-1 Attachment 1** as well. The final plan is expected to be similar to the plan included in **A-1 Attachment 1**, with some refined revisions, which will be subject to DEP permitting review. Until the Application is approved, York Water

¹ Since filing the Application, York Water has adjusted the size of this proposed facility to more closely reflect the development and immediate area needs. The updated costs are reflected in these responses.

will not expend resources for final design; however, the Company is prepared with a contract to initiate design and permitting upon PUC approval.

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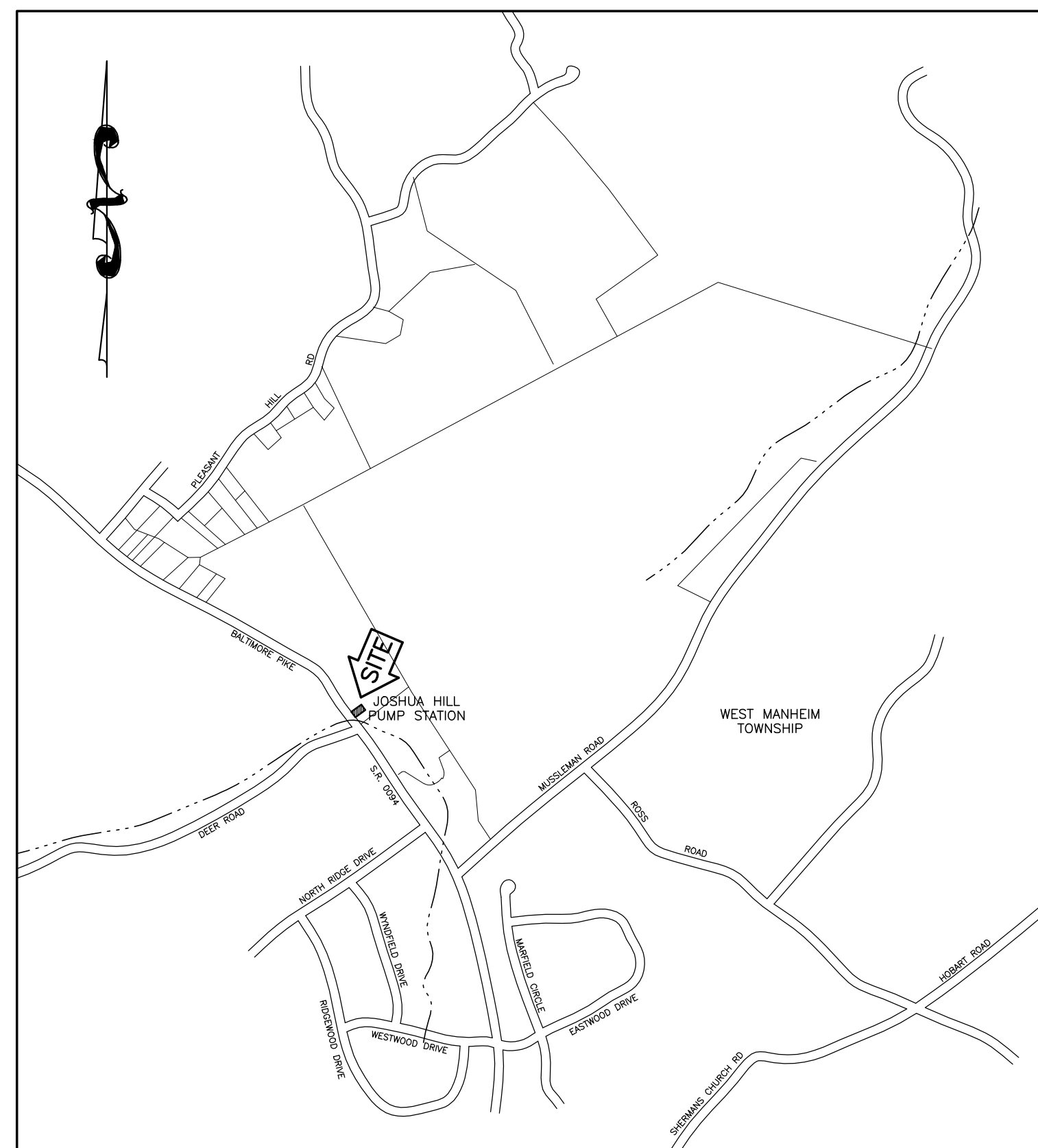
JOSHUA HILL SEWER COMPANY, LLC

BALTIMORE PIKE DUPLEX PUMPING STATION


WEST MANHEIM TOWNSHIP, YORK COUNTY

PENNSYLVANIA

MAY, 2009



LOCATION MAP
SCALE 1" = 1000'

| UNDERGROUND UTILITIES INFORMATION | |
|---|---|
| JOSHUA HILL SEWER COMPANY, LLC – BALTIMORE PIKE DUPLEX PUMPING STATION WEST MANHEIM TOWNSHIP, YORK COUNTY, PA PA ONE CALL DESIGN STAGE SERIAL NUMBER: 20091241834 | |
| COMPANY: COLUMBIA GAS OF PA ADDRESS: SOUTHPOINTE INDUSTRIAL PARK 501 TECHNOLOGY DR CANONSBURG, PA. 15317 CONTACT: TIMOTHY M. PETRINA COMPANY: WEST MANHEIM TOWNSHIP ADDRESS: 2412 BALTIMORE PIKE HANOVER, PA. 17331 CONTACT: TIM PFAFF COMPANY: COMCAST OF SOUTHEASTERN PENNSYLVANIA ADDRESS: C/O CENTRAL LOCATING SERVICES USIC 13085 HAMILTON CROSSING BLVD SUITE 200 CARMEL, IN. 46032 CONTACT: CLS PERSONNEL | COMPANY: FIRSTENERGY CORP ADDRESS: 76 S MAIN ST AKRON, OH. 443081890 CONTACT: OFFICE PERSONNEL COMPANY: EMBARQ ADDRESS: MAIL STOP PABUTB0101 160 UNIONVILLE RD BUTLER, PA. 160019650 CONTACT: MICHAEL MONTAG EMAIL: michael.c.montag@embarq.com COMPANY: YORK WATER COMPANY ADDRESS: 130 E MARKET ST PO BOX 15089 YORK, PA. 174055089 CONTACT: JUSTIN BRADLEY |
|  | |
| <p>NOTE: LOCATION OF UNDERGROUND UTILITIES IS BASED ON AVAILABLE RECORDS, PLANS, OR AS MARKED BY RESPECTIVE UTILITY COMPANY. ALL LOCATIONS ARE APPROXIMATE AND MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. THE ENGINEER AND OWNER ARE NOT RESPONSIBLE FOR CONFLICTS WITH UNDERGROUND UTILITIES RESULTING FROM CONTRACTORS FAILURE TO VERIFY LOCATIONS.</p> | |
| <p>Know what's below. Call before you dig.</p> | |

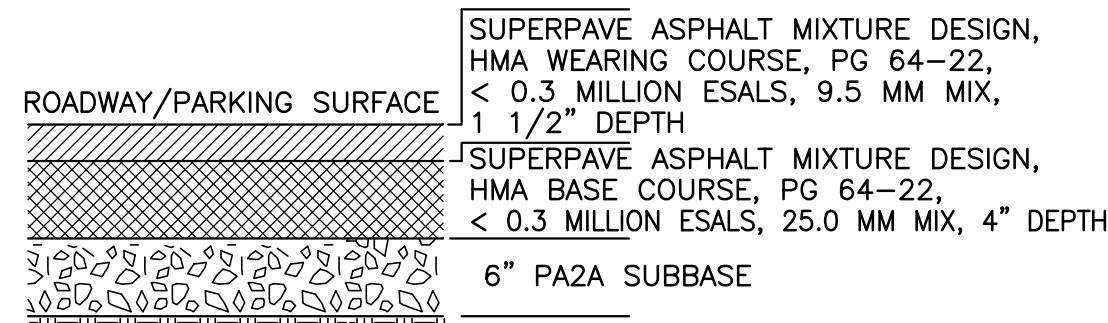
INDEX OF DRAWINGS

| | |
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| COVER SHEET | SHEET 1 |
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| PUMP STATION DETAILS | SHEET 3 |
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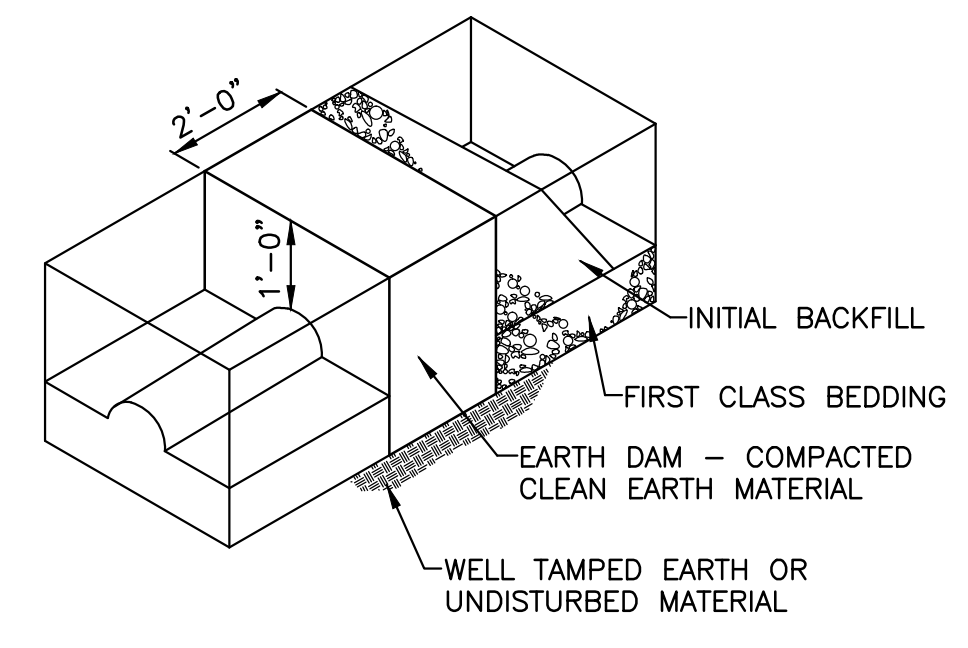
WM. F. HILL & ASSOC., INC.
 PROFESSIONAL ENGINEERS
 CIVIL ♦ MUNICIPAL ♦ ENVIRONMENTAL
 GETTYSBURG, PA 17325
 PH. (717) 334 - 9137

| PLAN PREPARATION | | REVISIONS | |
|------------------|-------------|-----------|----------|
| DRAWN BY: | DATE: | NO. | DATE |
| FSI | 05/07/09 | 1. | 10/08/09 |
| DESIGNED BY: | CHECKED BY: | | |
| PFH | WPH | | |

| COVER SHEET | SCALE AS SHOWN |
|---|---------------------|
| JOSHUA HILL SEWER COMPANY, LLC BALTIMORE PIKE DUPLEX PUMPING STATION WEST MANHEIM TOWNSHIP, YORK COUNTY, PA | SHEET NO. 1 OF 4 |



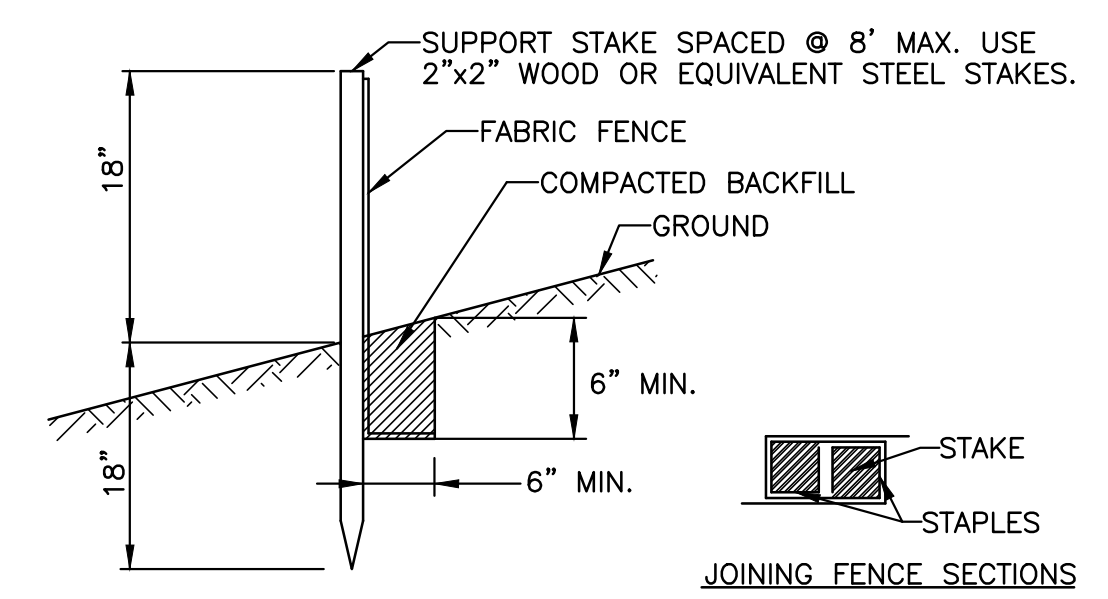
STANDARD PAVEMENT SECTION VIEW
SCALE: N.T.S.



TYPICAL EARTH DAM
SCALE: N.T.S.

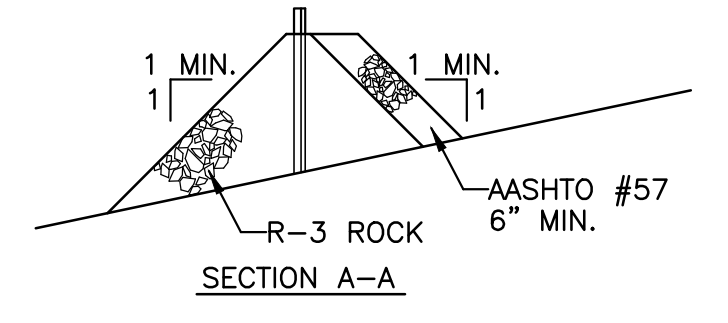
- LEGEND**
- ⊙ = SANITARY SEWER MANHOLE
 - ⊘ = EXISTING UTILITY POLE
 - ⊙ = PROPOSED TRANSFORMER POLE
 - = 100 -YEAR FLOOD PLAIN
 - = EXISTING PROPERTY LINE
 - 806- = PROPOSED SECURITY FENCE
 - 806- = PROPOSED EASEMENT LINE
 - EOE- = EXISTING OVERHEAD ELECTRIC LINE
 - OE- = PROPOSED OVERHEAD ELECTRIC LINE
 - x- = PROPOSED SECURITY FENCE
 - - - = PROPOSED EASEMENT LINE
 - - - = 18" FILTER FABRIC FENCE
 - - - = DISTURBED AREA LIMITS
 - ▨ = STABILIZED CONSTRUCTION ENTRANCE

NOTE:
EARTH DAMS REQUIRED AT NOT LESS THAN (3) FEET UPSTREAM FROM INLINE STRUCTURES AND IN MAIN SEWER TRENCHES AT 100' INTERVALS; AND AT SUCH OTHER LOCATIONS REQUIRED BY ENGINEER / AUTHORITY REPRESENTATIVE.

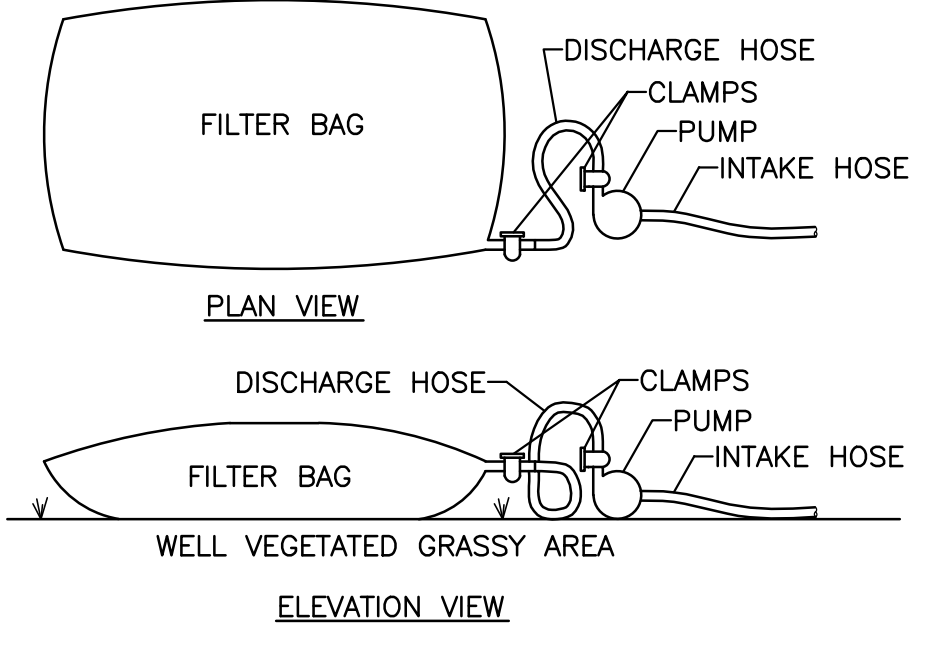


STANDARD FILTER FABRIC FENCE (18" HIGH)
SCALE: N.T.S.

- NOTES:**
- FILTER FABRIC FENCE MUST BE PLACED AT LEVEL EXISTING GRADE. BOTH ENDS OF THE BARRIER MUST BE EXTENDED AT LEAST 8 FEET UP SLOPE AT 45 DEGREES TO THE MAIN BARRIER ALIGNMENT.
 - SEDIMENT MUST BE REMOVED WHEN ACCUMULATIONS REACH 1/2 THE ABOVE GROUND HEIGHT OF THE FENCE.
 - ANY SECTION OF THE FILTER FABRIC FENCE WHICH HAS BEEN UNDERMINED OR TOPPED MUST BE IMMEDIATELY REPLACED WITH A ROCK FILTER OUTLET. SEE STANDARD CONSTRUCTION DETAIL #18.



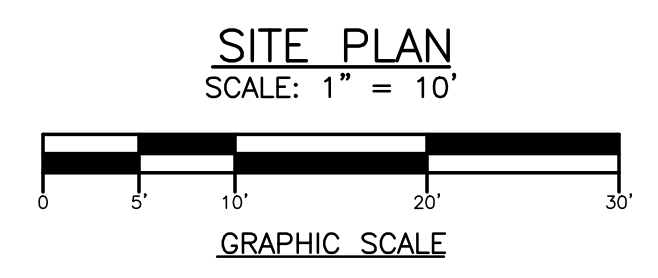
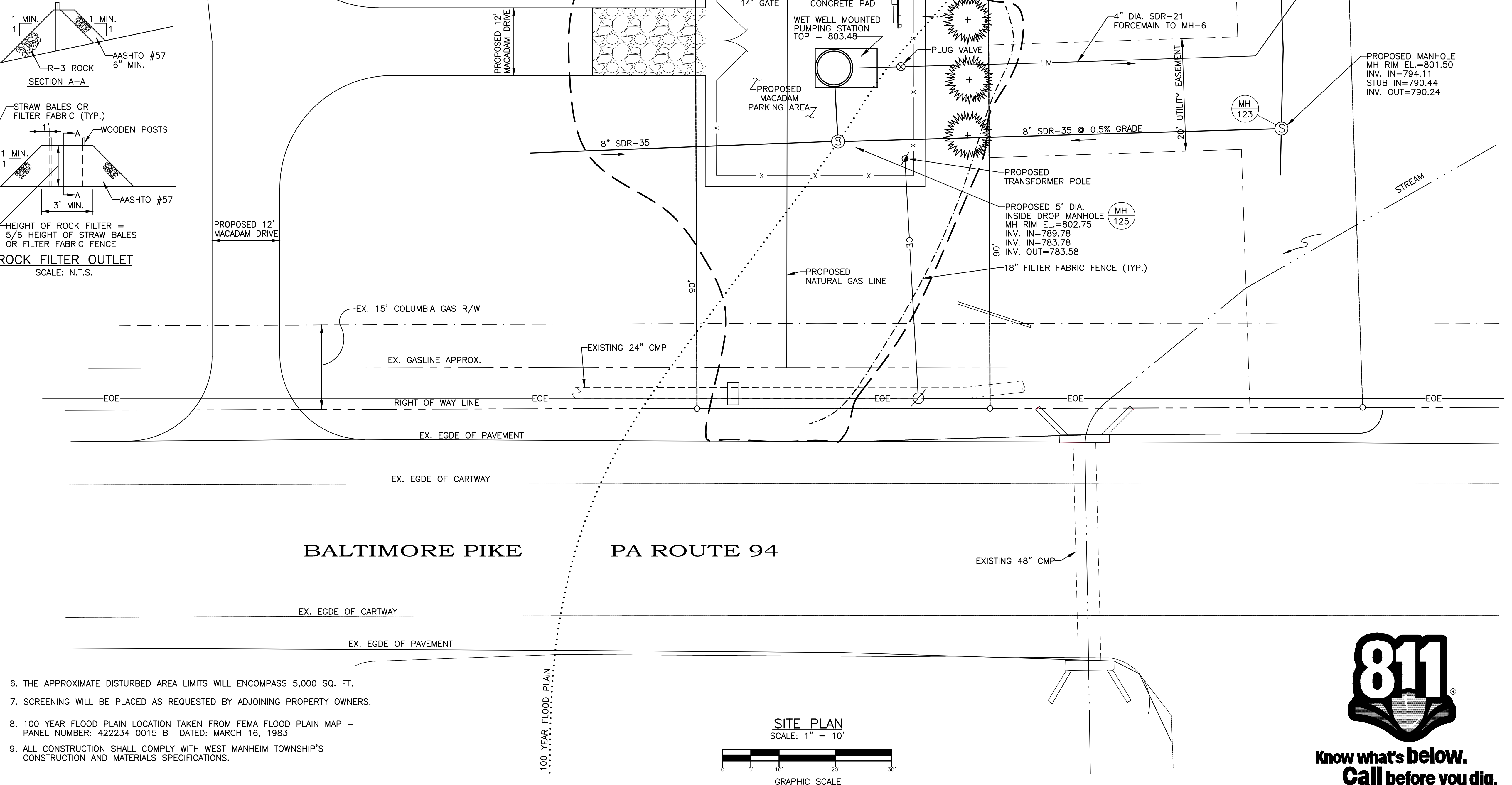
ROCK FILTER OUTLET
SCALE: N.T.S.



PUMPED WATER FILTER BAG
SCALE: N.T.S.

- NOTES:**
- FILTER BAGS SHALL BE MADE FROM NON-WOVEN GEOTEXTILE MATERIAL SEWN WITH HIGH STRENGTH, DOUBLE STITCHED "J" TYPE SEAMS. THEY SHALL BE CAPABLE OF TRAPPING PARTICLES LARGER THAN 150 MICRONS.
 - A SUITABLE MEANS OF ACCESSING THE BAG WITH MACHINERY REQUIRED FOR DISPOSAL PURPOSES MUST BE PROVIDED. FILTER BAGS SHALL BE REPLACED WHEN THEY BECOME 1/2 FULL. SPARE BAGS SHALL BE KEPT AVAILABLE FOR REPLACEMENT OF THOSE THAT HAVE FAILED OR ARE FILLED.
 - BAGS SHALL BE LOCATED IN WELL-VEGETATED (GRASSY) AREA, AND DISCHARGE ONTO STABLE, EROSION RESISTANT AREAS. WHERE THIS IS NOT POSSIBLE, A GEOTEXTILE FLOW PATH SHALL BE PROVIDED. BAGS SHALL NOT BE PLACED ON SLOPES GREATER THAN 5%.
 - THE PUMP DISCHARGE HOSE SHALL BE INSERTED INTO THE BAGS IN THE MANNER SPECIFIED BY THE MANUFACTURER AND SECURELY CLAMPED.
 - THE PUMPING RATE SHALL BE NO GREATER THAN 750 GPM OR 1/2 THE MAXIMUM SPECIFIED BY THE MANUFACTURER, WHICHEVER IS LESS. PUMP INTAKES SHOULD BE FLOATING AND SCREENED.

- GENERAL NOTES:**
- EXISTING TOPOGRAPHY / FEATURES IS AS PER PHOTOGRAMMETRIC METHODS FROM AERIAL PHOTOGRAPHY BY WINGS AERIAL MAPPING CO., 4/6/03
 - ALL OFFSITE BORROW/SPOIL AREAS SHALL HAVE AN EROSION CONTROL PLAN PREPARED AND IMPLEMENTED.
 - IF SILT FENCE IS UNDERMINED OR OVERTOPPED, A ROCK FILTER SHOULD BE USED TO REPAIR THE SILT FENCE.
 - FOR ALL UTILITY LINE CONSTRUCTION, PLACE ALL EXCAVATED MATERIAL ON HIGH SIDE OF TRENCH AND ONLY DO AS MUCH WORK AS CAN BE DONE IN ONE DAY, SO BACKFILLING CAN OCCUR.



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| FSI | 05/07/09 | 1. | 10/8/09 |
| DESIGNED BY: | CHECKED BY: | | |
| PFH | WPH | | |

SITE PLAN

JOSHUA HILL SEWER COMPANY, LLC
BALTIMORE PIKE DUPLEX PUMPING STATION
WEST MANHEIM TOWNSHIP, YORK COUNTY, PA

SCALE AS SHOWN
SHEET NO. 2 OF 4

EROSION AND SEDIMENT POLLUTION CONTROL PLAN

PROJECT NARRATIVE
THIS PROJECT INVOLVES THE CONSTRUCTION OF A SANITARY SEWER PUMP STATION. THE 0.108 ACRE SITE IS LOCATED ALONG BALTIMORE PIKE (S.R. 0094) IN WEST MANHEIM TOWNSHIP, YORK COUNTY.

THE PROJECT AREA IS BORDERED TO THE NORTH AND EAST OPEN FIELDS AND OCCASIONAL WOODED AREAS, TO THE SOUTH BY AN UNNAMED TRIBUTARY TO THE SOUTH BRANCH OF CONEWAGO CREEK AND TO THE WEST BY BALTIMORE PIKE. DRAINAGE ON THE SITE GENERALLY FLOWS FROM NORTH TO SOUTH AS SHEET FLOW.

IN GENERAL THE EROSION AND SEDIMENT POLLUTION CONTROL FOR THIS PROJECT WILL BE ACCOMPLISHED THROUGH THE USE OF STANDARD FILTER FABRIC FENCE, A STABILIZED CONSTRUCTION ENTRANCE AND TEMPORARY/PERMANENT SEEDING PROCEDURES.

TEMPORARY EROSION AND SEDIMENT POLLUTION CONTROL MEASURES
THE CONTRACTOR SHALL MAKE AN ATTEMPT TO DISTURB AS LITTLE AREA AS POSSIBLE IN AN EFFORT TO LESSEN EROSION AND SEDIMENTATION RELATED PROBLEMS. THE FOLLOWING METHODS TO CONTROL EROSION ARE TO BE FOLLOWED:

1. 18" STANDARD FILTER FABRIC FENCE SHALL BE CONSTRUCTED ALONG THE DOWNSLOPE OF THE WORK AREAS TO FILTER ANY SILT LADEN RUNOFF FROM THE CONSTRUCTION AREA WHERE INDICATED AND AROUND TEMPORARY STOCKPILED TOPSOILS OR OTHER SOIL MATERIAL. INSTALLATION SHALL BE IN ACCORDANCE WITH THE PLANS AND PER THE MANUFACTURER'S RECOMMENDATIONS.
2. TEMPORARY SEEDING SHALL BE PERFORMED AS OUTLINED UNDER SEED MIXTURES.

PERMANENT SOIL EROSION AND SEDIMENTATION CONTROL MEASURES
1. PERMANENT SEEDING SHALL BE PERFORMED AS OUTLINED UNDER SEED MIXTURES.

DEWATERING TRENCHES AND EXCAVATED PITS
SHOULD THE OCCASION ARISE THAT EXCAVATIONS WOULD NEED TO BE DEWATERED BY PUMPING SO THAT CONSTRUCTION CAN RESUME, ONE OF THE FOLLOWING METHODS SHOULD BE UTILIZED, WHICHEVER IS MOST APPLICABLE.

1. DISCHARGE OVER AREAS WITH EXTENSIVE VEGETATION. CHECK FOR SIGNS OF SOIL REMOVAL OVER THE DISCHARGE AREA, IF EITHER SOIL PARTICLES ARE NOT BEING REMOVED, OR THE DISCHARGE IS SCOURING (ERODING) THE AREA, DISCONTINUE PUMPING AND USE METHOD NUMBER 2.
2. PUMP SILT LADEN DISCHARGE THROUGH A PREFABRICATED DEVICE. (I.E. DIRT BAG).

SOILS
THE PROJECT PROPERTY INCLUDES THE FOLLOWING SOIL TYPE AS TAKEN FROM SOIL SURVEY OF YORK COUNTY AS PREPARED BY THE NATURAL RESOURCES CONSERVATION SERVICE (NRCS).

Cm - CODORUS SILT LOAM (0-3% SLOPES) - NEARLY LEVEL, VERY DEEP MODERATELY WELL DRAINED AND SOMEWHAT POORLY DRAINED SOILS ON FLOODPLAINS.

CONTROL OF WIND AND DUST
WHERE WIND AND DUST EROSION IS A PROBLEM, THE UNSTABLE SURFACE SHALL BE SPRINKLED, OR A DUST SUPPRESSER WILL BE SUPPLIED. PROMPT ESTABLISHMENT OF VEGETATIVE SOIL COVER AND PLACEMENT OF STONE SURFACING IN SPECIFIED AREAS WILL MINIMIZE WIND EROSION AND DUST PROBLEMS.

CONTROL OF CARRY OVER SEDIMENT
THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT SEDIMENT IS NOT TRANSPORTED FROM THE CONSTRUCTION SITE TO ADJACENT ROADWAYS. ALL VEHICLES ENTERING AND EXITING FROM THE SITE DURING CONSTRUCTION MUST USE THE STABILIZED CONSTRUCTION ENTRANCE. IF WASH DOWN OF VEHICLES IS REQUIRED, IT SHALL OCCUR UPSLOPE OF SILT FENCE, VEGETATIVE FILTER AREA OR OTHER SEDIMENT CONTROL MEASURE.

SITE ACCESS AND USE
ALL EQUIPMENT SHALL ACCESS THE SITE BY MEANS OF THE PROPOSED STABILIZED CONSTRUCTION ENTRANCE TO BE CONSTRUCTED WHERE THE CONTRACTOR PLANS TO ENTER/EXIT THE SITE, OR AS SHOWN ON PLANS. ALL EQUIPMENT SHALL BE STORED ON-SITE OR AT LOCATIONS APPROVED BY THE OWNER. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT SEDIMENT IS NOT TRANSPORTED FROM THE CONSTRUCTION SITE TO THE ADJACENT STREET. VEHICLES SHALL BE WASHED DOWN IF REQUIRED. WASH DOWN OF VEHICLES AND EQUIPMENT SHALL OCCUR UPSLOPE OF SILT FENCE, VEGETATIVE FILTER AREA OR OTHER SEDIMENT CONTROL MEASURES.

VEGETATIVE STABILIZATION - SEED MIXTURES AND SPECIFICATIONS
IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITIES CEASE, THE OPERATOR SHALL STABILIZE ANY AREAS DISTURBED BY THE ACTIVITIES, DURING NON-GERMINATING PERIODS, MULCH MUST BE APPLIED AT THE SPECIFIED RATES AND ANCHORED. DISTURBED AREAS WHICH ARE NOT AT FINISHED GRADE AND WHICH WILL BE RE-DISTURBED WITHIN ONE (1) YEAR MUST BE STABILIZED IN ACCORDANCE WITH THE TEMPORARY VEGETATIVE STABILIZATION SPECIFICATIONS. DISTURBED AREAS WHICH ARE AT FINISHED GRADE OR WHICH WILL NOT BE RE-DISTURBED WITHIN ONE (1) YEAR MUST BE STABILIZED IN ACCORDANCE WITH THE PERMANENT VEGETATIVE STABILIZATION SPECIFICATIONS.

VEGETATIVE STABILIZATION

1. REMOVE COARSE FRAGMENTS FROM SURFACE.
2. SOIL SHALL BE LOOSENEED TO A DEPTH OF 3 INCHES BY RAKING, DISCING, OR OTHER ACCEPTABLE MEANS PRIOR TO SEEDING.
3. A SUFFICIENT QUALITY AND QUANTITY OF TOPSOIL SHALL BE PROVIDED TO ALL DISTURBED AREAS AT FINAL GRADE AND RECEIVING VEGETATIVE STABILIZATION.
4. SEEDING: APPLY SEED UNIFORMLY AT THE SPECIFIED RATE WITH A CYCLONE SEEDER, DRILL, CULTIPACKER SEEDER OR HYDROSEEDER, WHEN NOT USING A HYDROSEEDER, SEED SHOULD BE APPLIED TO A MAXIMUM DEPTH OF 1/4 INCH ON CLAYEY SOILS AND 1/2 INCH ON SANDY SOILS. WHEN USING A HYDROSEEDER, THE SEED AND FERTILIZER SHALL BE MIXED ON SITE AND THE SEEDING SHALL BE IMMEDIATE WITHOUT INTERRUPTION.
5. DO NOT SOW IMMEDIATELY FOLLOWING RAIN OR WHEN GROUND IS TOO DRY OR DURING WINDY PERIODS.
6. ALL SEED SPECIFICATIONS SUCH AS PURITY, READY GERM, TOTAL GERM, ETC., SHALL BE IN ACCORDANCE WITH THE PENN STATE UNIVERSITY AGRONOMY GUIDE.
7. IF AREAS ARE TO REMAIN DISTURBED FROM NOVEMBER 1 THROUGH MARCH 1 (NON-GROWING SEASON), THE CONTRACTOR SHALL PROTECT SAID AREAS BY SEEDING AND MULCHING, SODDING, OR BY PLACEMENT OF MATING AS NECESSARY. THIS WORK SHALL BE DONE IN ACCORDANCE WITH PENNDOT PUBLICATION 408. MULCHING SHALL BE DONE AT RATE AS LISTED BELOW.
8. TEMPORARY STABILIZATION: SITE PREPARATION SHALL CONSIST OF APPLYING (1) TON OF LIME PER ACRE AND 600 LB. PER ACRE OF 10-10-10 FERTILIZER. AFTER SEEDING, MULCH WITH STRAW OR HAY AT A RATE OF (3) TONS PER ACRE. THE CONTRACTOR SHALL SEED USING 40 LB. / ACRE OF ANNUAL RYEGRASS.

PERMANENT SEEDING MIXTURES

| SPECIES | SEEDING RATE (LB./Ac) |
|-------------------------|-----------------------|
| ANNUAL RYEGRASS | 40 |
| TALL FESCUE | 60 |
| FINE RED FESCUE | 35 |
| PERENNIAL RYE | 15 |
| FERTILIZER (10-10-10) | 1000 |
| AGRICULTURAL GRADE LIME | 3 Ton/Ac |
| MULCH | 3 Ton/Ac |

THE CONTRACTOR MAY PROVIDE A SUITABLE ALTERNATE TO THE SPECIFIED SEED MIXTURE. THE SEED MIXTURE SHALL MEET THE SPECIFICATIONS OF PENN STATE AGRONOMY GUIDE. ANY ALTERNATES SHALL BE APPROVED BY THE ENGINEER.

CONSTRUCTION SEQUENCE
ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE FOLLOWING SEQUENCE. EACH STAGE SHALL BE COMPLETED BEFORE ANY FOLLOWING STAGE IS INITIATED. CLEARING AND GRUBBING SHALL BE LIMITED ONLY TO THOSE AREAS DESCRIBED IN EACH STAGE.

CONSTRUCTION SEQUENCE - CONTINUED

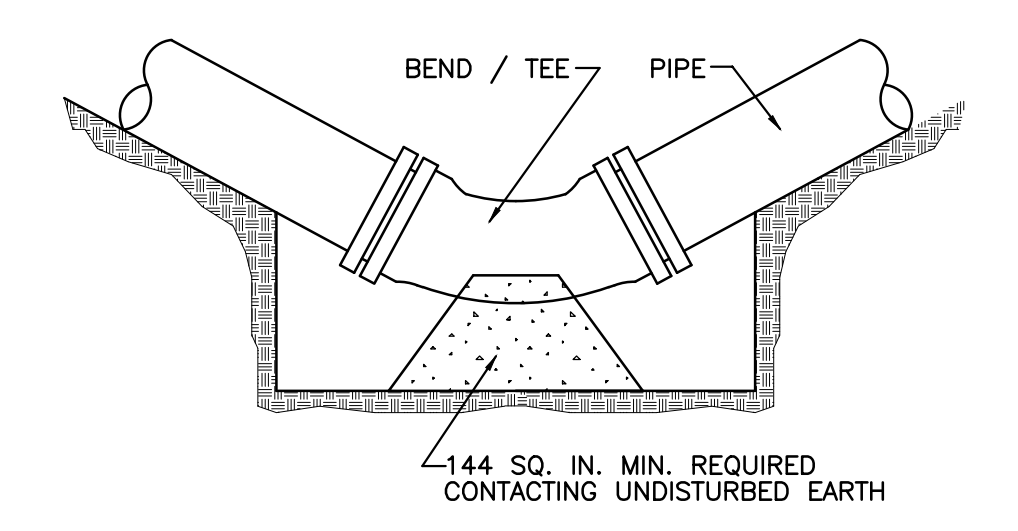
1. AT LEAST 7 DAYS BEFORE STARTING ANY EARTH DISTURBANCE ACTIVITIES THE OPERATOR SHALL INVITE ALL CONTRACTORS INVOLVED IN THOSE ACTIVITIES, THE LANDOWNER, ALL APPROPRIATE MUNICIPAL OFFICIALS, THE EROSION AND SEDIMENT CONTROL PLAN PREPARER, AND THE YORK COUNTY CONSERVATION DISTRICT TO AN ON SITE PRE CONSTRUCTION MEETING.
2. CONTACT PENNSYLVANIA ONE-CALL SYSTEM (1-800-272-1776) OR (811) THREE (3) WORKING DAYS PRIOR TO CONSTRUCTION.
3. PERFORM CONSTRUCTION STAKE OUT AND LOCATION OF ALL UNDERGROUND UTILITIES RELATIVE TO AND IN THE VICINITY OF THE SITE.
4. INSTALL PROPOSED PERIMETER EROSION CONTROL MEASURES INCLUDING SILT FENCE AND STABILIZED CONSTRUCTION ENTRANCE.
5. COMPLETE EXCAVATION AS REQUIRED TO INSTALL PUMP STATION WET WELLS, GENERATOR PAD, AND LP GAS CONCRETE PAD.
6. COMPLETE ALL CONSTRUCTION ASSOCIATED WITH PROPOSED PUMP STATION INCLUDING UTILITY HOOKUP AND INTERIOR PIPING.
7. INSTALL 8" PVC SDR-35 GRAVITY LINE AND 4" DIA. PVC SDR-21 FORCE MAIN LINES. FOR UTILITY TRENCHING ALL EXCAVATED MATERIAL SHALL BE PLACED ON THE HIGH SIDE OF THE TRENCH AND ONLY DO AS MUCH WORK AS CAN BE COMPLETED IN ONE DAY SO BACKFILLING, SEEDING, AND MULCHING CAN OCCUR.
8. COMPLETE MACADAM PARKING AREA INSTALLATION, INCLUDING FINAL GRADING IN THE AREA OF CONSTRUCTION, FENCING INSTALLATION, AND PERMANENT STABILIZATION AND PLACING OF PERMANENT SEEDING MIXTURES.
9. NOTIFY THE YORK COUNTY CONSERVATION DISTRICT (717-840-7430) OF PROJECT COMPLETION.
10. FOLLOWING ESTABLISHMENT OF PERMANENT SEEDING (TO A POINT WHERE 70% MINIMUM UNIFORM PERENNIAL VEGETATIVE COVER HAS BEEN ESTABLISHED) THE EROSION AND SEDIMENT CONTROL MEASURES MAY BE REMOVED INCLUDING BUT NOT LIMITED TO SILT FENCING, CONSTRUCTION ENTRANCE, ETC. ADDITIONALLY, THE CONTRACTOR SHALL STABILIZE ALL DISTURBED AREAS WITH THE PERMANENT STABILIZATION SPECIFICATIONS.
11. CONTRACTOR SHALL REMOVE THE TEMPORARY BMP'S WHEN ALL DISTURBED AREAS ARE PERMANENTLY STABILIZED.

EROSION CONTROL FACILITIES TEMPORARY MAINTENANCE SCHEDULE
THE CONTRACTOR SHALL IMPLEMENT THE FOLLOWING MAINTENANCE SCHEDULE AT A MINIMUM. MAINTENANCE SHALL BEGIN IMMEDIATELY FOLLOWING INSTALLATION OF THE EROSION AND SEDIMENT CONTROL MEASURES AND SHALL BE FOLLOWED UNTIL THE FACILITY IS REMOVED IN ACCORDANCE WITH THIS PLAN.

| MEASURE | FREQUENCY | MAINTENANCE |
|--------------------------------------|--|--|
| STABILIZED CONSTRUCTION ENTRANCE | WEEKLY | INSPECT, REPLACE MATERIALS AS NECESSARY |
| SILT FENCE | DAILY AND AFTER ALL STORM EVENTS | INSPECT, REPLACE OR RESECURE, REMOVE SEDIMENT WHEN ACCUMULATION REACHES 1/2 HEIGHT OF FENCE (ABOVE GROUND) |
| SEEDED/MULCHED AREAS | WEEKLY | INSPECT, REPLACE ANY MATERIALS NECESSARY RESEED AS REQUIRED |
| TEMPORARILY STOCKPILED SOIL MATERIAL | WEEKLY AND AFTER ALL STORM EVENTS | INSPECT, RE-SEED REPAIR SILT FENCE IF NECESSARY, REMOVE SEDIMENT FROM SILT FENCE AT 1/2 HEIGHT OF FENCE |
| DEWATERING FACILITY (IF REQUIRED) | AFTER ALL PUMPING ACTIVITIES TO FACILITY | INSPECT, RESEED, REPAIR, IF NECESSARY REMOVE SEDIMENT |

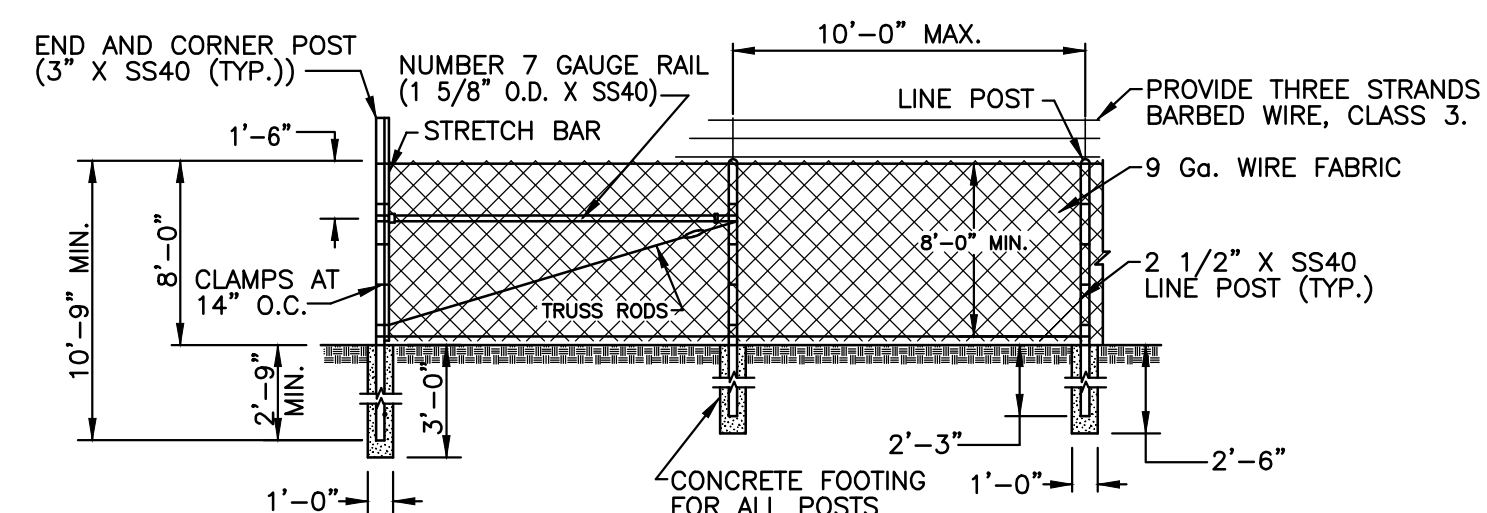
GENERAL NOTES:

1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DO ALL WORK ON THE OWNER'S PROPERTY. WORK OR STORING OF EQUIPMENT IS NOT PERMITTED ON ADJACENT PROPERTY.
2. FOR ALL UTILITY LINE CONSTRUCTION, PLACE ALL EXCAVATED MATERIAL ON HIGH SIDE OF TRENCH AND ONLY DO AS MUCH WORK AS CAN BE DONE IN ONE DAY, SO BACKFILLING CAN OCCUR.
3. NO STOCKPILING OF SOIL MATERIAL SHALL TAKE PLACE ON ASPHALT.
4. AN AREA SHALL BE CONSIDERED TO HAVE ACHIEVED FINAL STABILIZATION WHEN IT HAS A MINIMUM UNIFORM 70% PERENNIAL VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST SLIDING AND OTHER MOVEMENTS.
5. ALL BUILDING MATERIALS AND WASTES MUST BE REMOVED FROM THE SITE AND RECYCLED OR DISPOSED IN ACCORDANCE WITH THE DEPARTMENTS SOLID WASTE MANAGEMENT REGULATIONS AT 25 PA CODE 2601, ET SEQ., AND 287.1 ET SEQ. NO BUILDING MATERIAL OR WASTES OR UNUSED MATERIALS SHALL BE BURIED, DUMPED OR DISCHARGED AT THE SITE.
6. ANY EXCAVATED MATERIAL THAT IS STOCK PILED ON-SITE SHALL BE PROTECTED WITH 18" HIGH STANDARD FILTER FABRIC FENCE ON DOWNSLOPE SIDE.
7. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ACCESS TO THE SITE SUCH THAT SEDIMENT WILL NOT BE TRANSPORTED ONTO NEIGHBORING ROADWAYS. EQUIPMENT WHEELS SHALL BE WASHED DOWN OVER STABILIZED CONSTRUCTION ENTRANCE PRIOR TO EXITING SITE.
8. AT THE POINT WHERE CONSTRUCTION EQUIPMENT WILL LEAVE THE EXISTING PAVED ROADWAY TO ACCESS THE PIPING PORTION OF THIS PROJECT, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED.

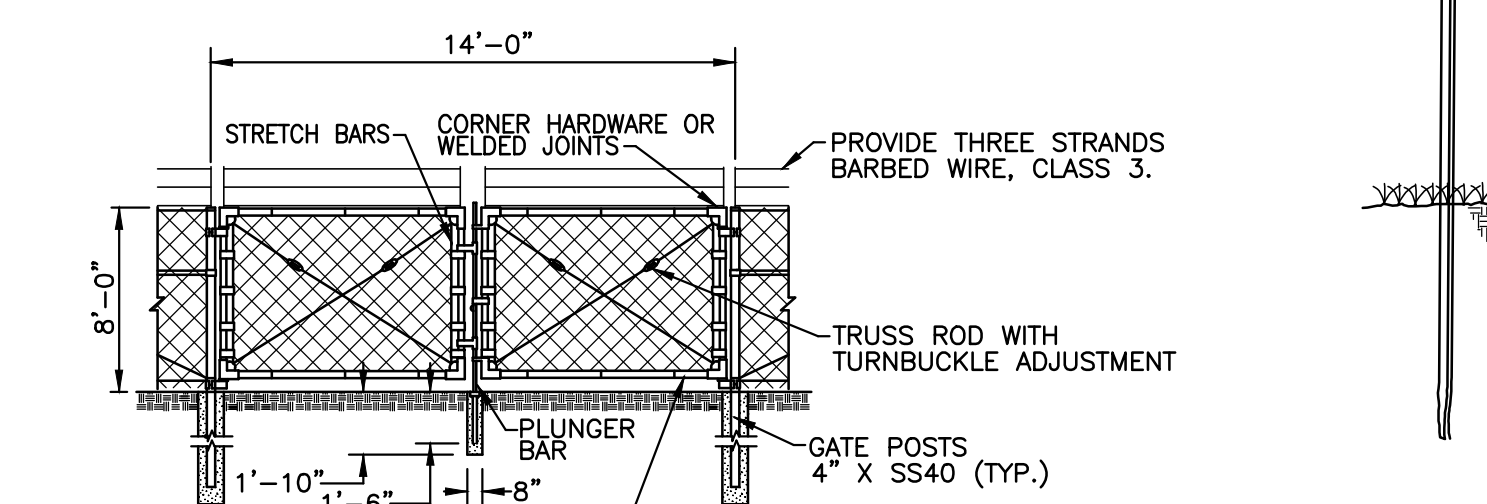


CONCRETE THRUST BLOCK
SCALE: N.T.S.

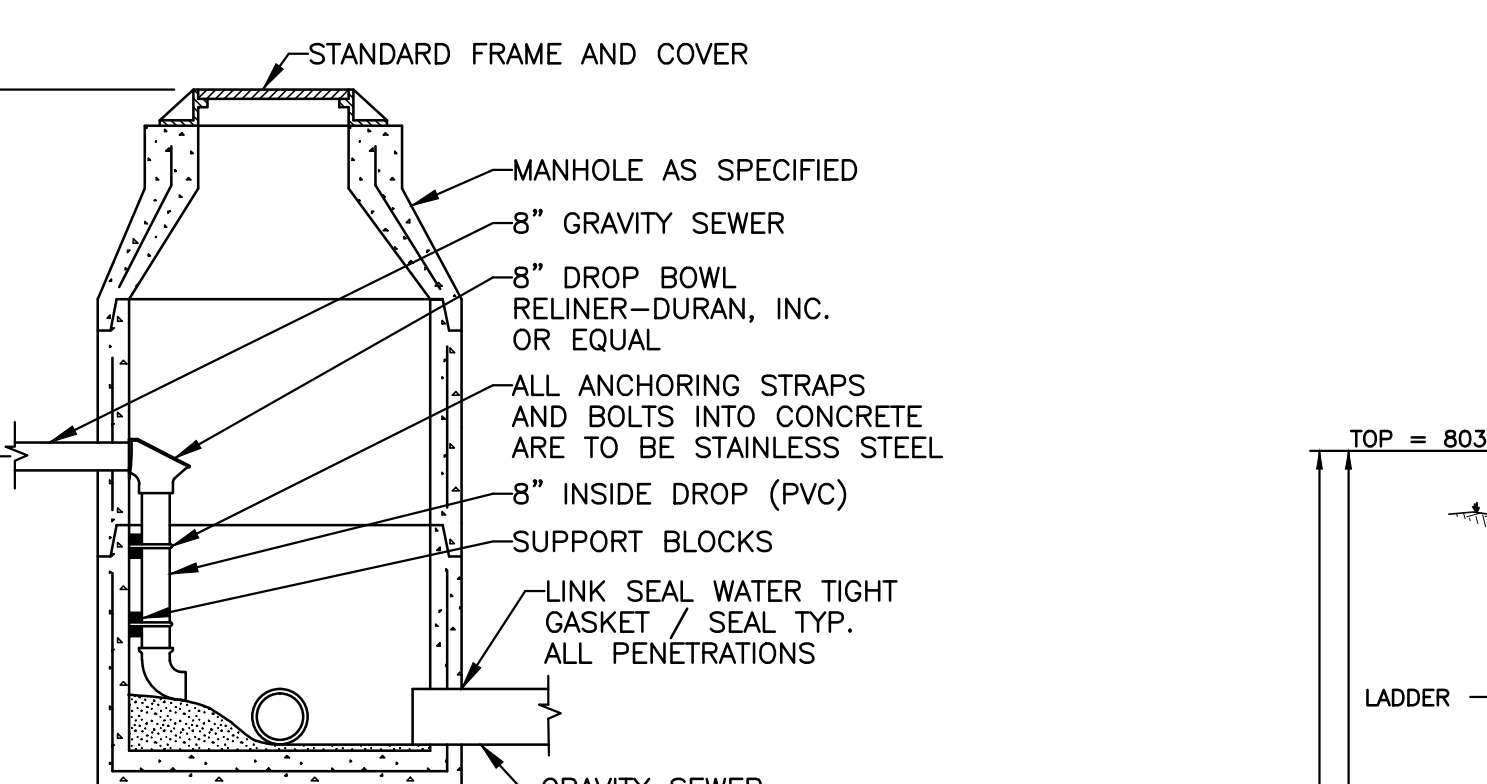
- NOTES:**
1. ALL CONCRETE SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 3000 PSI.
 2. ALL REINFORCING STEEL SHALL BE DEFORMED BARS.
 3. NO COUPLINGS OR JOINTS SHALL BE COVERED WITH CONCRETE.



SECURITY FENCE DETAIL
SCALE: N.T.S.

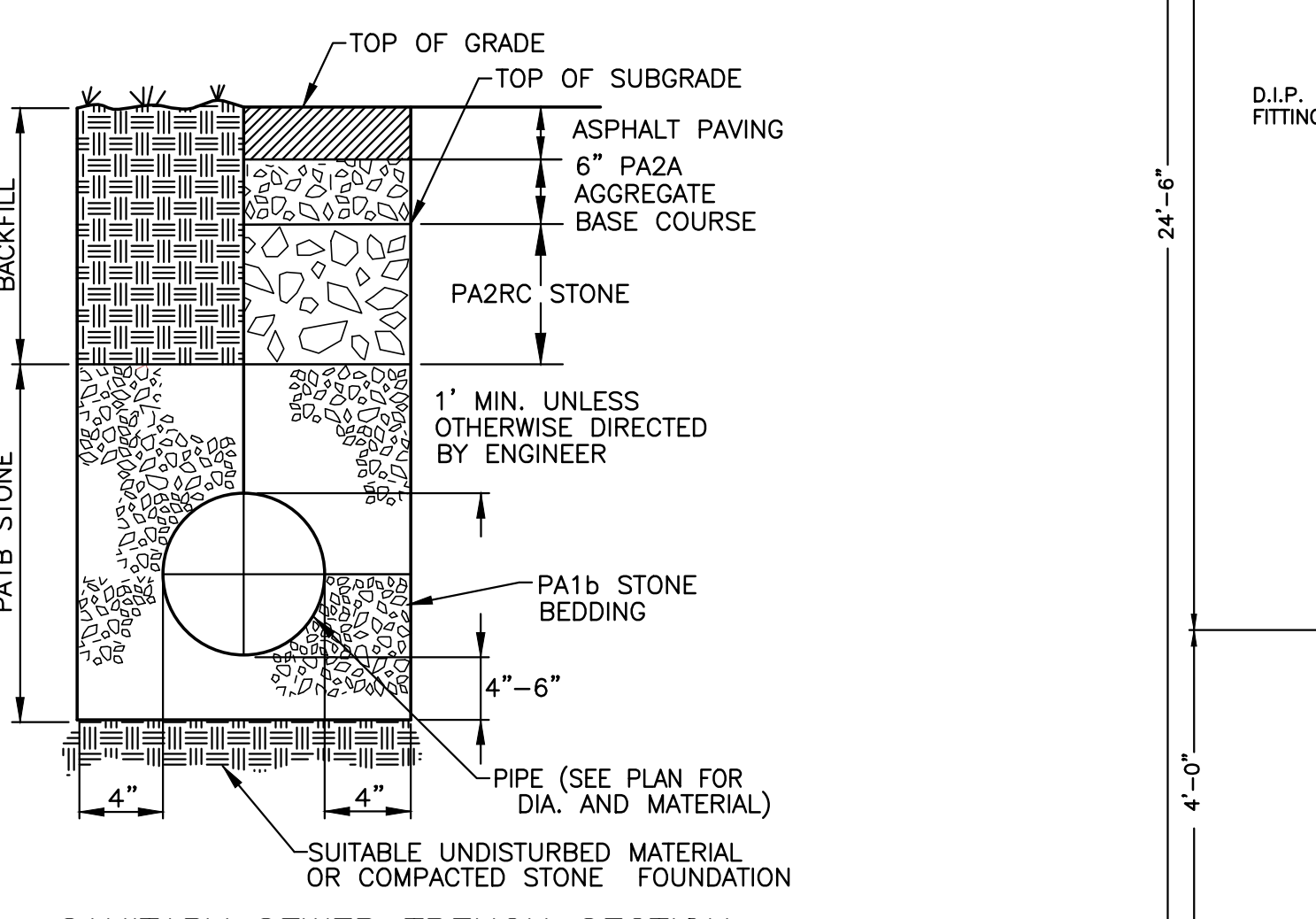


14' GATE DETAIL
SCALE: N.T.S.



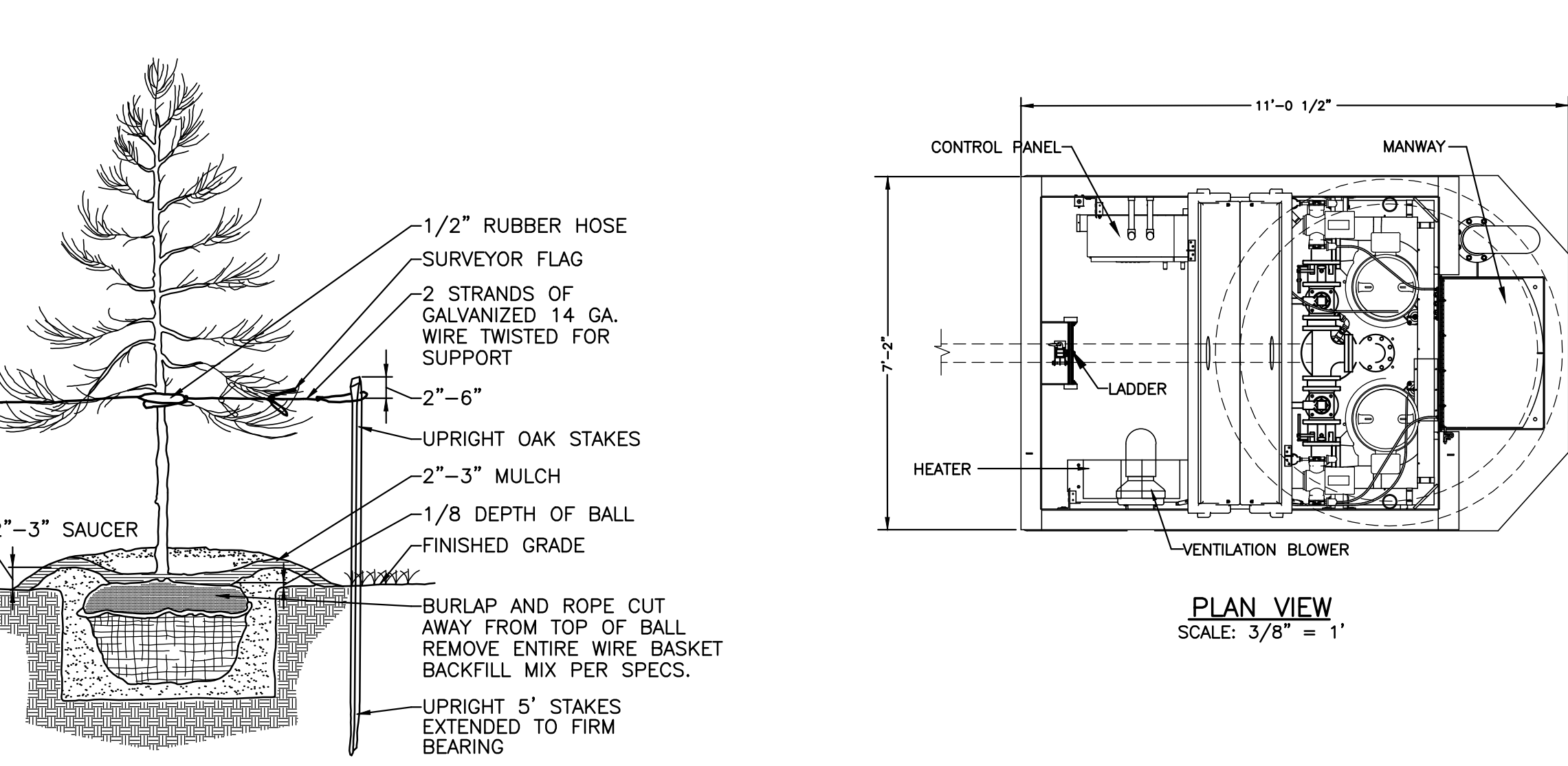
GRAVITY SEWER INSIDE DROP CONNECTION DETAIL
SCALE: N.T.S.

- NOTES:**
1. THE CONTRACTOR / DEVELOPER MUST OBTAIN PRIOR APPROVAL FOR USE OF THIS OPTIONAL INSIDE DROP CONNECTION.
 2. MANHOLE RUNGS NOT SHOWN IN THIS VIEW.

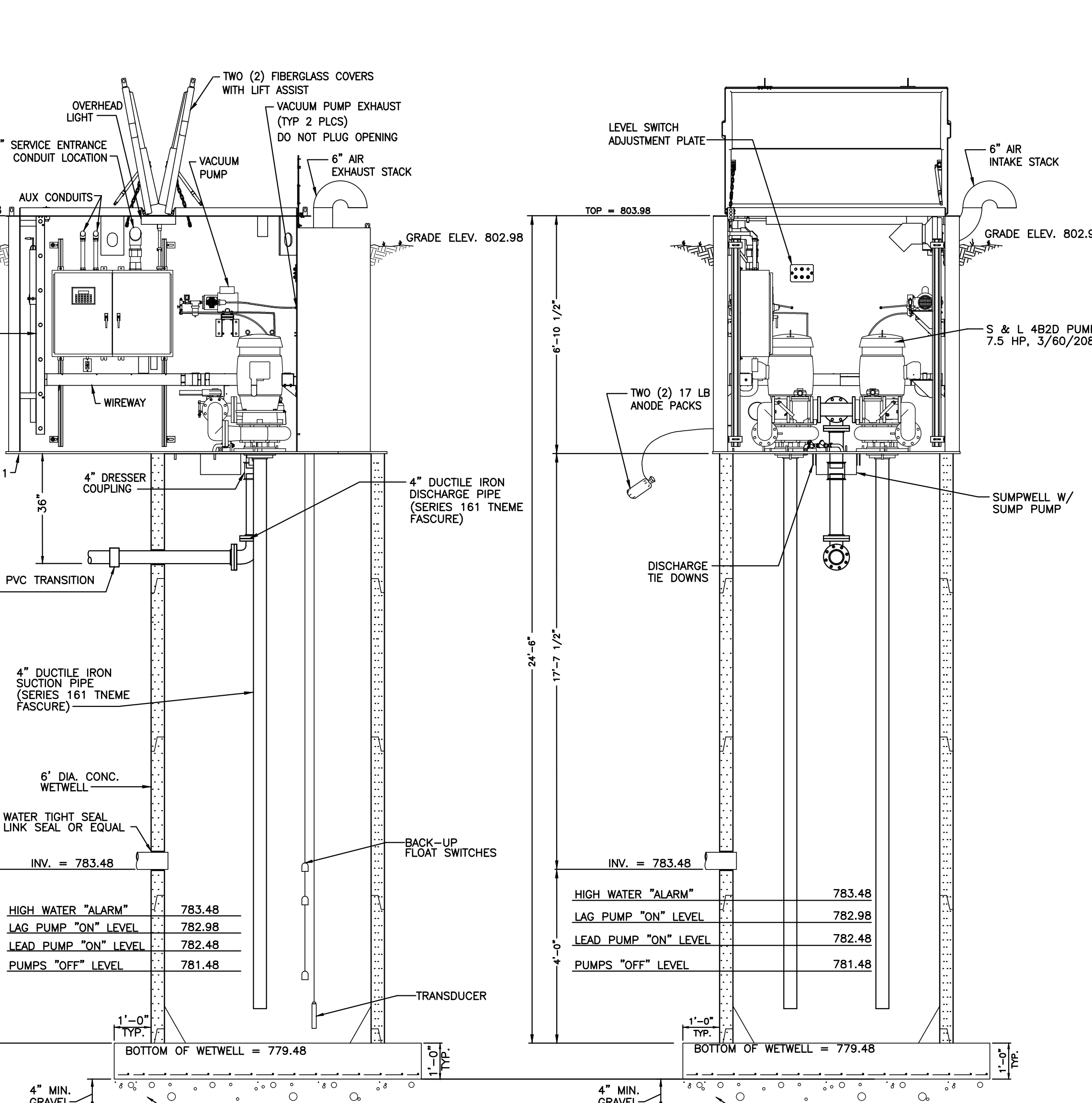


SANITARY SEWER TRENCH SECTION
SCALE: N.T.S.

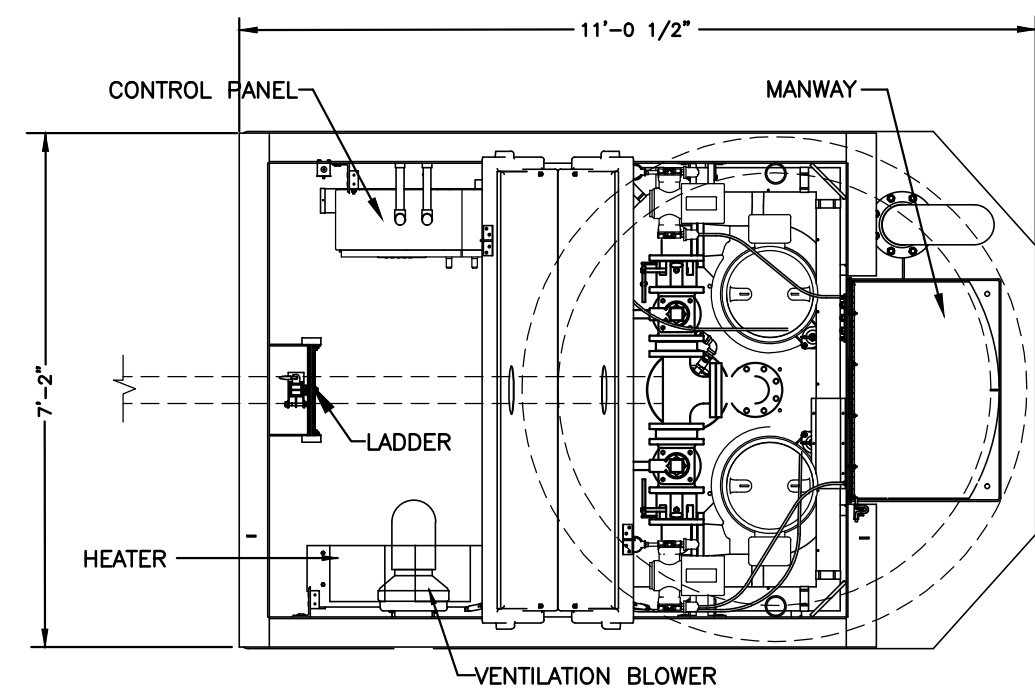
- NOTES:**
1. PIPE BEDDED TO ITS CENTERLINE IN COMPACTED GRANULAR MATERIAL, 4 INCH MINIMUM UNDER PIPE. COMPACTED GRANULAR OR SELECT MATERIAL TO TOP OF PIPE (APPROXIMATELY 95% STANDARD PROCTOR, AASHTO T-99.) SELECT MATERIAL IS DEFINED AS NATIVE SOIL EXCAVATED FROM THE TRENCH, FREE OF ROCKS, FOREIGN MATERIAL AND FROZEN EARTH.



MAJOR TREE PLANTING DETAIL
SCALE: N.T.S.



ELEVATION VIEW
SCALE: 3/8" = 1'



PLAN VIEW
SCALE: 3/8" = 1'

| LEVEL | ELEVATION |
|----------------------|-----------|
| HIGH WATER "ALARM" | 783.48 |
| LAG PUMP "ON" LEVEL | 782.98 |
| LEAD PUMP "ON" LEVEL | 782.48 |
| PUMPS "OFF" LEVEL | 781.48 |

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| PLAN PREPARATION | | REVISIONS | |
|------------------|-------------|-----------|---------|
| DRAWN BY: | DATE: | NO. | DATE |
| FSI | 05/07/09 | 1. | 10/8/09 |
| DESIGNED BY: | CHECKED BY: | | |
| PFH | WFF | | |

PUMPING STATION DETAILS
JOSHUA HILL SEWER COMPANY, LLC
BALTIMORE PIKE DUPLEX PUMPING STATION
WEST MANHEIM TOWNSHIP, YORK COUNTY, PA

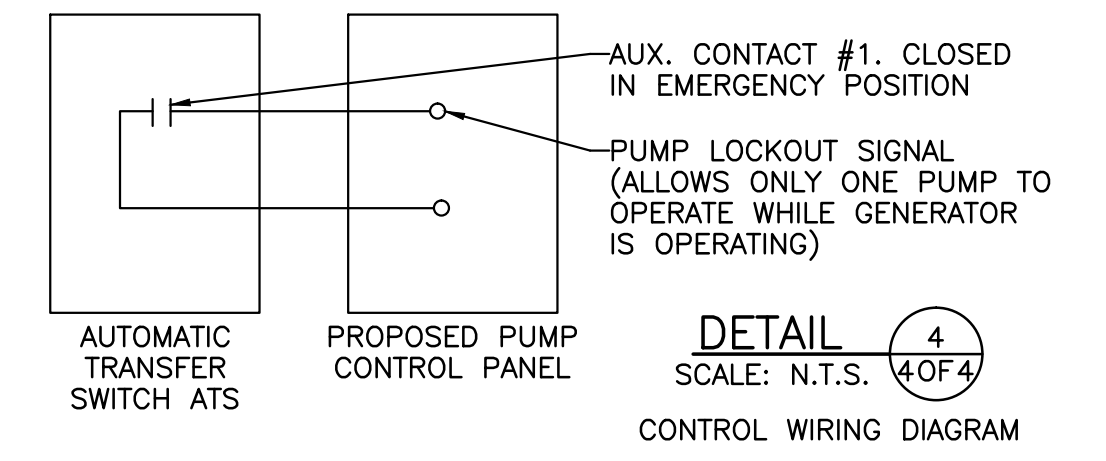
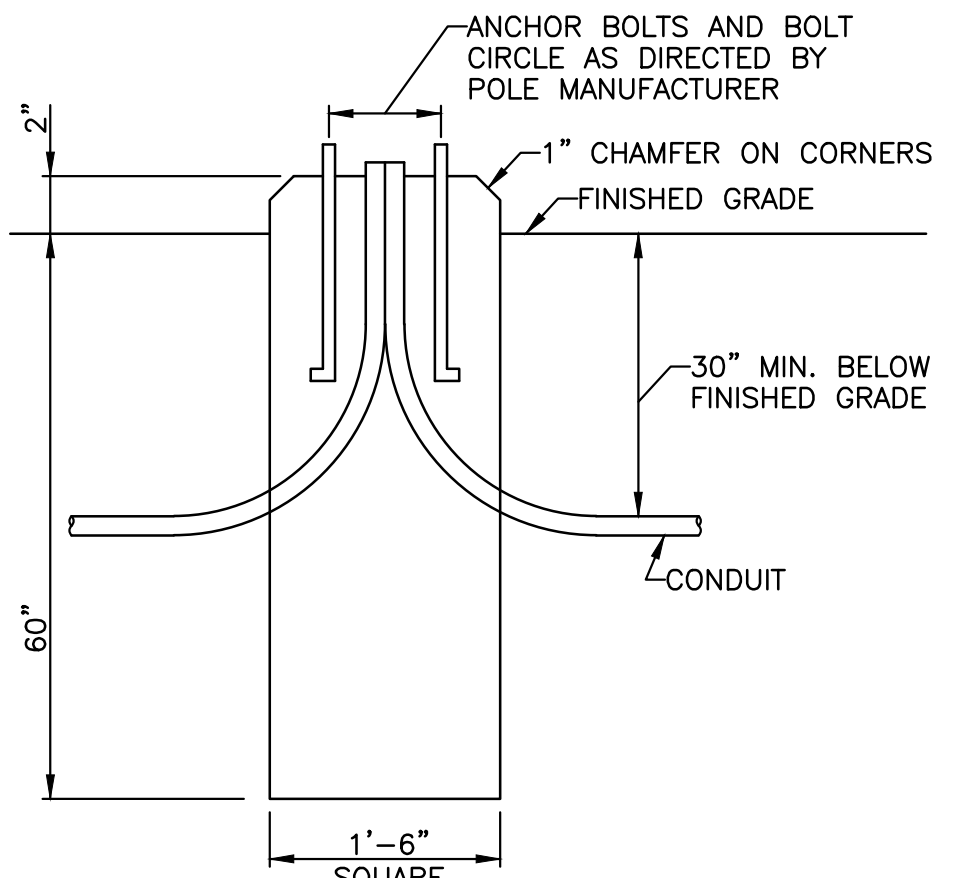
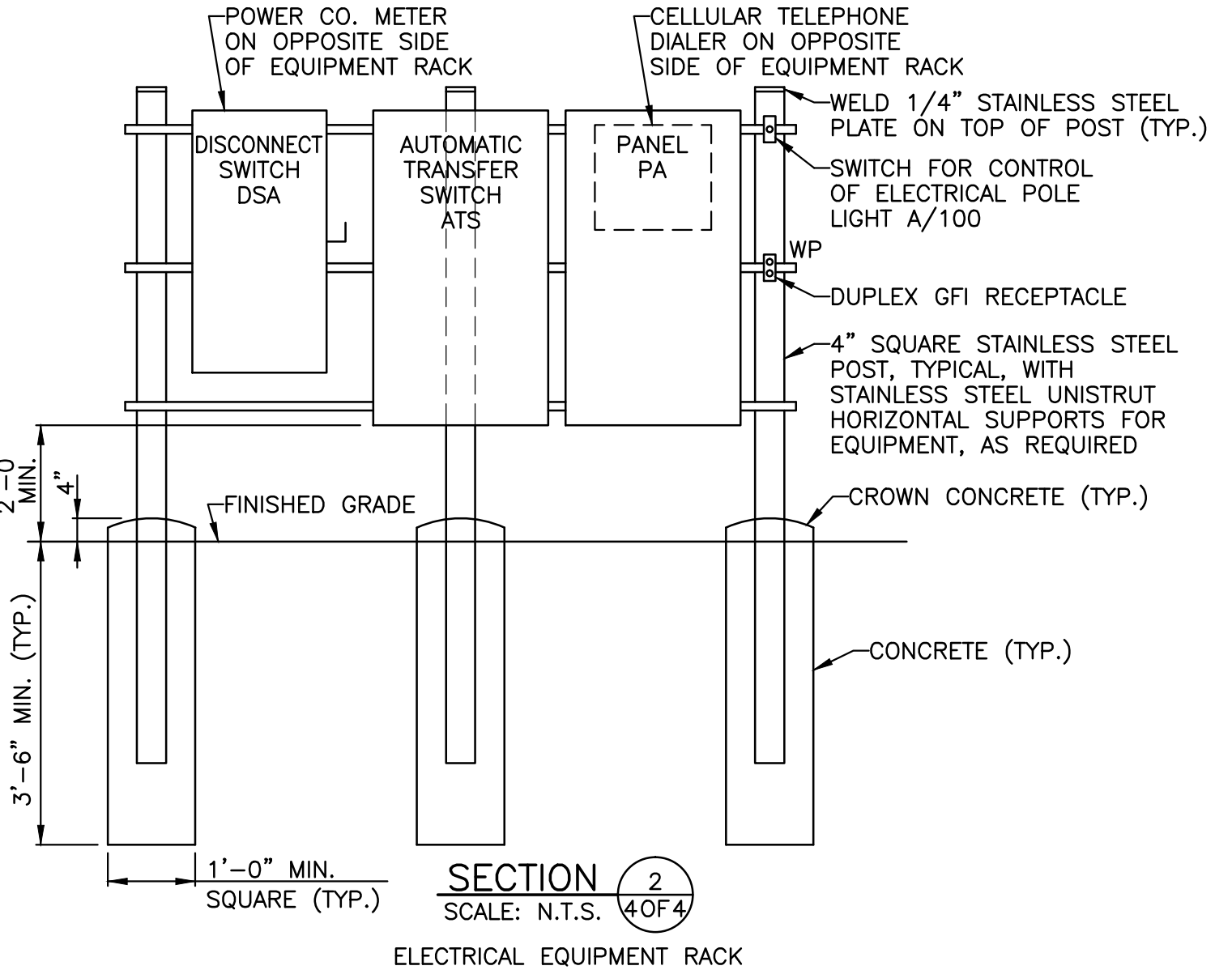
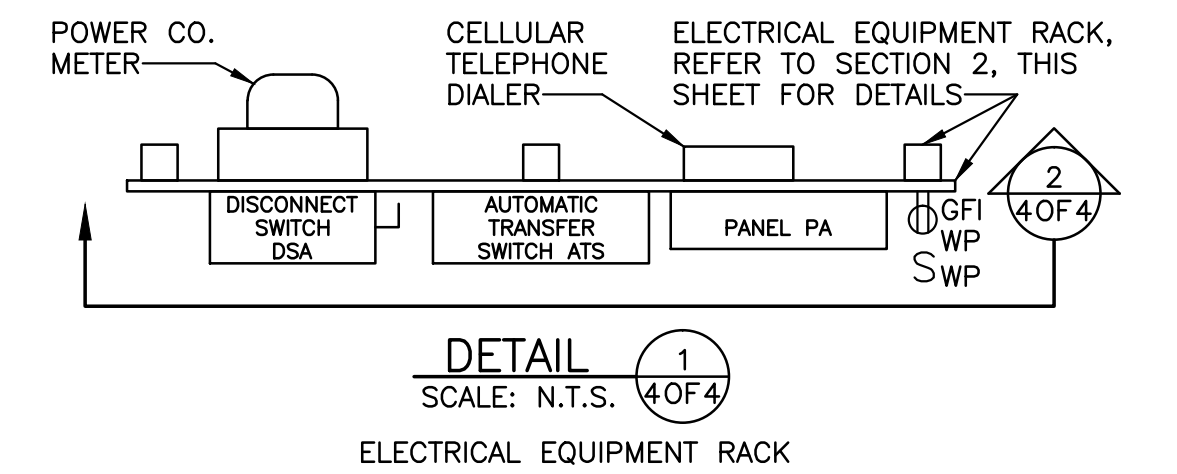
SCALE
AS SHOWN
SHEET NO.
3 OF 4

| DISCONNECT SCHEDULE | | | | | | |
|---------------------|------|-------|-------|-----------|---------|------|
| DESIG | AMPS | POLES | VOLTS | FUSE AMPS | REMARKS | |
| DSA | 200 | 3 | 250 | 200 | 3R | MAIN |

| PANEL - PA (NOTES 13, 16) | | | | | | | |
|--|--|---------|---------|-------|---------|---------------------------|---------------------|
| 225 AMP / 120/208 V - 3 PHASE, 4 WIRE, MAIN LUGS ONLY SOLID NEUTRAL, 4 - #4/0, 1 #4 GRD, 2 1/2" CONDUIT, SQUARE D, NQOD, NEMA 4X CABINET OR EQUIVALENT | | | | | | | |
| ITEM | DESCRIPTION | VOLTAGE | HP/KW | PHASE | CONDUIT | FEED WIRE | BREAKER AMPS |
| A1 | PROPOSED PUMP CONTROL PANEL | 208 | 2-15 HP | 3Ø | 2" | 4 - #1/0 THHN 1 #4 GRD | 150/3 30,000 AIC |
| A2 | METAL HALIDE AREA LIGHT WITH WALL SWITCH - A/100 | 120 | .1 | 1Ø | 3/4" | 12 AWG 3 EACH THHN | 20/1 30,000 AIC |
| A3 | JACKET WATER HEATER | 120 | 1.5 | 1Ø | 3/4" | 12 AWG 3 EACH THHN | 20/1 30,000 AIC |
| A4 | BATTERY CHARGER AND BATTERY HEATER PAD | 120 | 1.5 | 1Ø | 3/4" | 12 AWG 3 EACH THHN | 20/1 30,000 AIC |
| A5 | GFI RECEPTACLE | 120 | 1 | 1Ø | 3/4" | 12 AWG 3 EACH THHN | 20/1 30,000 AIC |
| A6 | CELLULAR TELEPHONE DIALER | 120 | .5 | 1Ø | 3/4" | 12 AWG 3 EACH THHN | 20/1 30,000 AIC |
| A7 & A8 | SPARES | 120 | - | 1Ø | - | - | 20/1 30,000 AIC |
| A9 THRU A16 | PROVISIONS | 120 | - | 1Ø | - | - | - |

| PROPOSED PUMP CONTROL PANEL (PCP) NEMA 4X ENCLOSURE | | | | | | | |
|---|-----------------------------------|---------|----|-------|---------------------------|------------------|------------------|
| ITEM NO. | DESCRIPTION | VOLTAGE | HP | PHASE | CONDUIT | *FEED WIRE | BREAKER (AMPS) |
| 1A | PUMP MOTOR NO. 1 | 208 | 15 | 3Ø | 3/4" | #4 AWG 4EA. THW | 90 22,000 AIC |
| 1B | PUMP MOTOR NO. 2 | 208 | 15 | 3Ø | 3/4" | 4 AWG 4EA. THW | 90 22,000 AIC |
| 1C | NOT USED | - | - | - | - | - | - |
| 1D | DUPLEX GFI OUTLET IN PUMP PANEL | 120 | - | 1Ø | N/A | 14 AWG 3EA. THHN | 20 22,000 AIC |
| 1E | FLOAT SWITCH HIGH WATER ALARM | 120 | - | 1Ø | 1 1/2" FOR CONTROL WIRING | 14 AWG 3EA. THW | PUMP CONTROLLER |
| 1F | FLOAT SWITCH 1ST PUMP ON | 120 | - | 1Ø | | 14 AWG 3EA. THW | |
| 1G | FLOAT SWITCH 2ND PUMP ON | 120 | - | 1Ø | | 14 AWG 3EA. THW | |
| 1H | FLOAT SWITCH PUMPS OFF | 120 | - | 1Ø | | 14 AWG 3EA. THW | |
| 1I | HEATER IN PUMP ENCLOSURE | 120 | - | 1Ø | N/A | 12 AWG 3EA. THW | 20 22,000 AIC |
| 1J | VENTILATION FAN IN PUMP ENCLOSURE | 120 | - | 1Ø | N/A | 12 AWG 3EA. THW | 20 22,000 AIC |
| 1K | SPARE | 120 | - | 1Ø | - | - | - |
| 1L | SPARE | 120 | - | 1Ø | - | - | - |

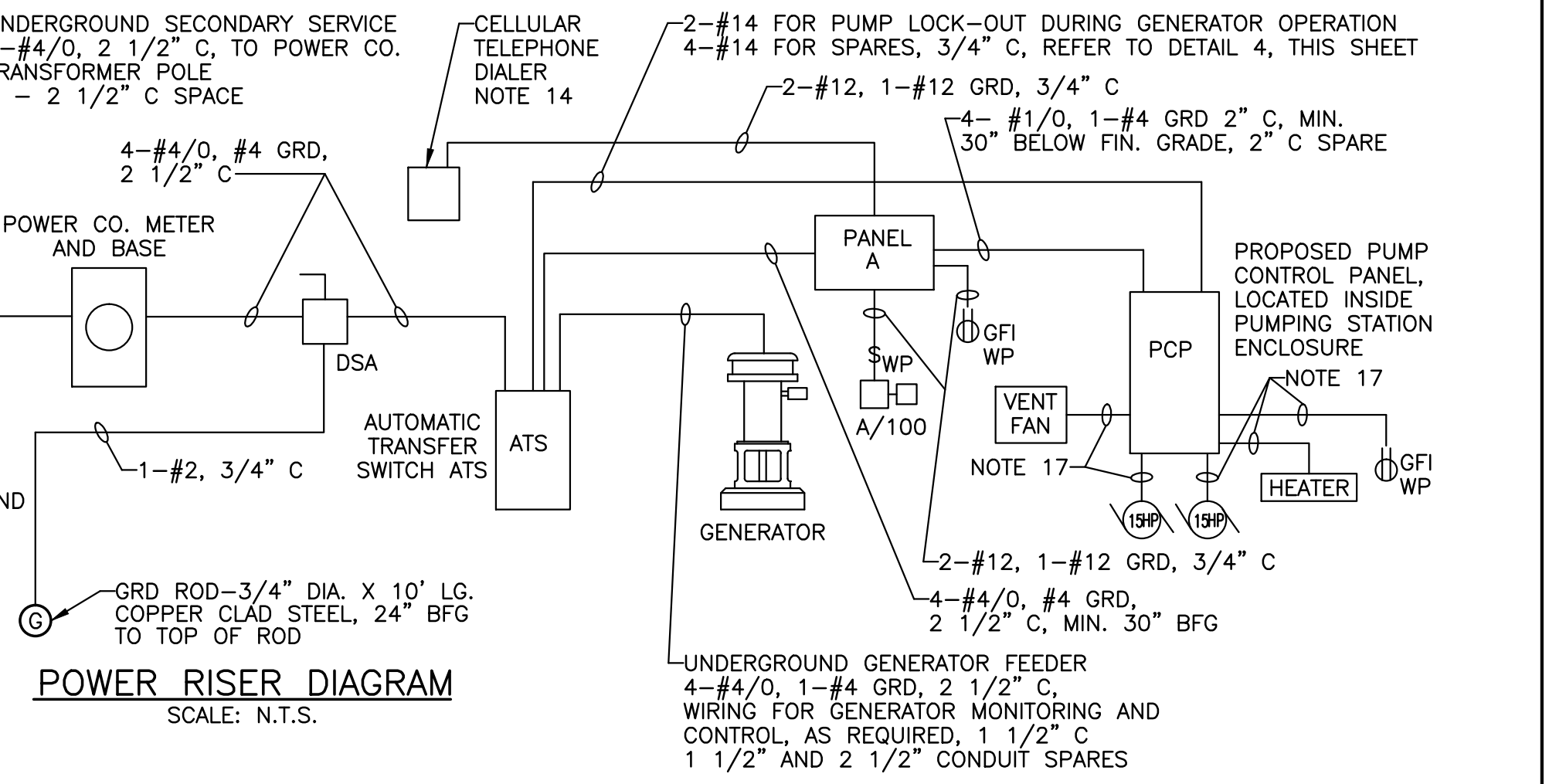
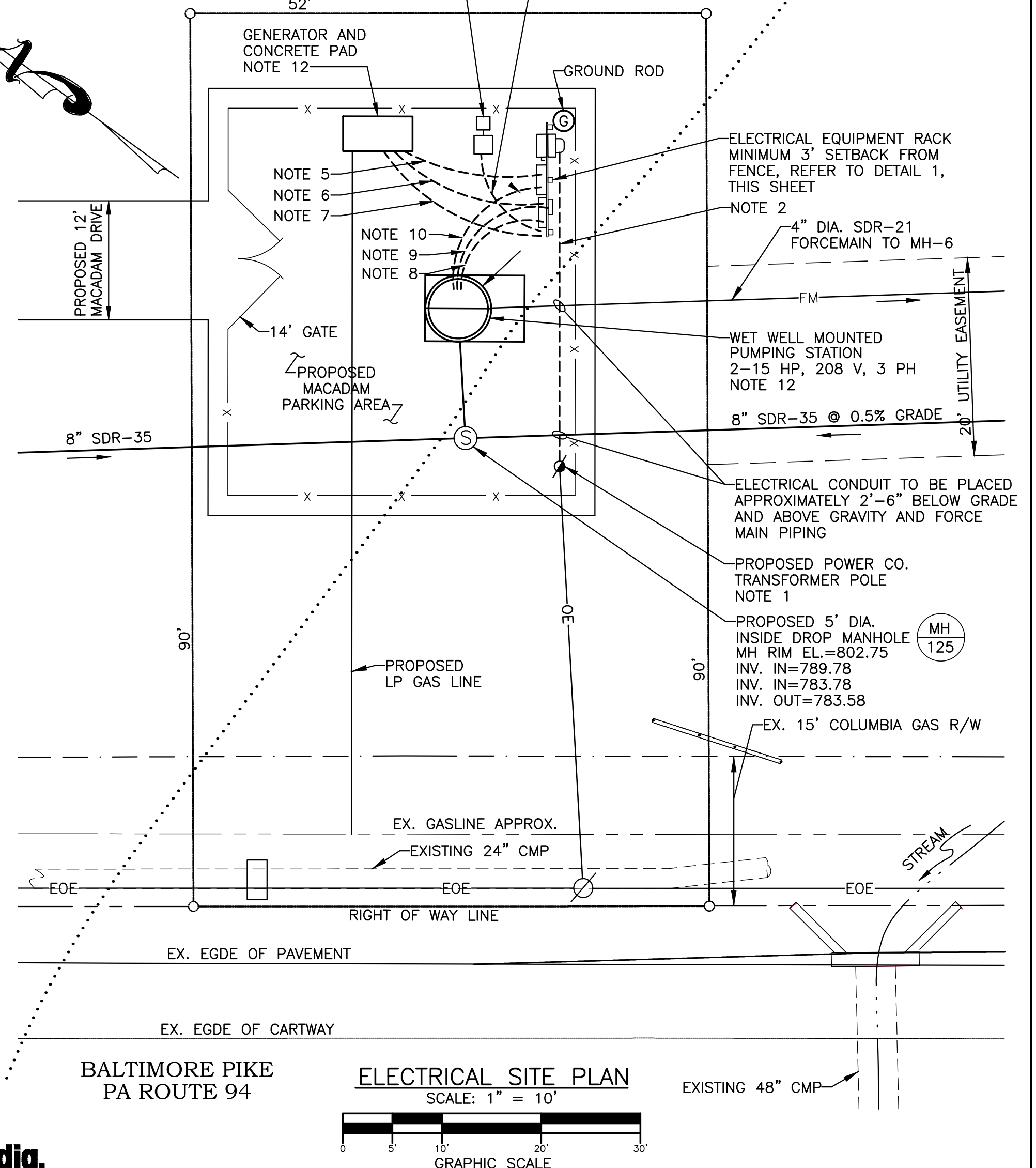
* FEED WIRE INCLUDES GROUND WIRE FOR PUMP MOTORS, GFI OUTLET, FLOAT SWITCHES, HEATER AND VENTILATION FAN.



LEGEND

- (15HP) = 15 HORSE POWER MOTOR
- x = PROPOSED SECURITY FENCE
- EOE = POWER CO. EXISTING OVERHEAD ELECTRIC LINE, TO REMAIN
- OE = OVERHEAD ELECTRIC LINE, FURNISHED AND INSTALLED BY POWER CO.
- ☐ = POLE MOUNTED LIGHTING FIXTURE
- ⊕ = GROUND ROD
- = UNDERGROUND CONDUIT

N/F
DALE J. AND CLYDE L. WERNER
BOOK 094Y, PAGE 0755



- NOTES:
- POWER CO. TRANSFORMER POLE, FURNISHED AND INSTALLED BY POWER CO. VERIFY EXACT LOCATION IN FIELD. FURNISH AND INSTALL CONDUITS AND ASSOCIATED ACCESSORIES UP POLE AS DIRECTED BY POWER CO.
 - UNDERGROUND SECONDARY SERVICE FROM POWER CO. TRANSFORMER POLE TO POWER CO. METER ON ELECTRICAL EQUIPMENT RACK, NOTES 3 AND 4.
 - CONDUITS TO BE 42 INCHES MINIMUM BELOW FINISHED GRADE, ENCASED IN 6 INCH MINIMUM CONCRETE ENVELOPE WITH 3 INCH MINIMUM SEPARATION BETWEEN CONDUITS.
 - REFER TO POWER RISER, THIS SHEET, FOR QUANTITIES AND SIZES OF UNDERGROUND SECONDARY SERVICE AND UNDERGROUND GENERATOR FEEDER CABLE AND CONDUITS.
 - UNDERGROUND GENERATOR FEEDER AND CONTROL WIRING FROM GENERATOR TO AUTOMATIC TRANSFER SWITCH ATS LOCATED ON THE ELECTRICAL EQUIPMENT RACK. NOTES 4 AND 11.
 - 2#12 - GENERATOR JACKET WATER HEATER, 2#12 - BATTERY CHARGER AND BATTERY HEATER PAD, 1#12 GROUND, 1" CONDUIT, 1" CONDUIT SPARE, FROM PANEL PA ON THE ELECTRICAL EQUIPMENT RACK TO GENERATOR. NOTE 11.
 - 6#14 - GENERATOR AND BATTERY CHARGER ALARMS, 4#14 SPARES, 1#12 GRD, 1" CONDUIT FROM GENERATOR TO CELLULAR TELEPHONE DIALER ON THE ELECTRICAL EQUIPMENT RACK. NOTE 11.
 - 3#2/0 - WET WELL MOUNTED PUMPING STATION POWER, 1#4 GRD, 2 1/2" CONDUIT, 2 1/2" CONDUIT SPARE, FROM PANEL PA ON THE ELECTRICAL EQUIPMENT RACK TO THE PROPOSED PUMP CONTROL PANEL. NOTE 11.
 - 10#14 - WET WELL MOUNTED PUMPING STATION ALARMS, 4#14 SPARES, 1" CONDUIT, FROM THE WET WELL MOUNTED PUMPING STATION TO CELLULAR TELEPHONE DIALER ON THE ELECTRICAL EQUIPMENT RACK. NOTE 11.
 - 2#14 - PUMP LOCK-OUT, 4#14 SPARES, 1#12 GRD, 1" CONDUIT FROM WET WELL MOUNTED PUMPING STATION TO AUTOMATIC TRANSFER SWITCH ATS LOCATED ON THE ELECTRICAL EQUIPMENT RACK. NOTE 11. ONLY ONE PUMP TO OPERATE WHEN WET WELL MOUNTED PUMPING STATION IS BEING FED FROM THE GENERATOR.
 - CONDUITS TO BE 30 INCHES MINIMUM BELOW FINISHED GRADE, ENCASED IN 6 INCH MINIMUM CONCRETE ENVELOPE WITH 3 INCH MINIMUM SEPARATION BETWEEN CONDUITS.
 - ITEM FURNISHED AND INSTALLED BY GENERAL CONTRACTOR, WIRED BY ELECTRICAL CONTRACTOR.
 - PANEL PA ENCLOSURE SHALL BE NEMA 3R RATED. INTERRUPTING RATING OF CIRCUIT BREAKERS AND BRACING OF PANEL PA SHALL BE 30,000 AMPS.
 - CELLULAR TELEPHONE DIALER (YR-50) FURNISHED, INSTALLED AND WIRED BY ELECTRICAL CONTRACTOR. DIALER SHALL BE WIRED TO ALARM ON PUMP NO. 1 FAILURE, PUMP NO. 2 FAILURE, WET WELL HIGH WATER ALARM, WET WELL LOW WATER ALARM, EMERGENCY MODE OPERATION (GENERATOR OPERATING), GENERATOR FAILED TO START AUTOMATICALLY, GENERATOR BATTERY/ BATTERY CHARGER MALFUNCTION/FAILURE. WIRING FROM REMOTE POINTS TO DIALER FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR.
 - ELECTRICAL CONTRACTOR SHALL PROVIDE OWNER WITH THREE COPIES OF AS-BUILT RECORD DRAWINGS INCLUDING SHOWING ALL DETAILS OF THE ELECTRICAL CONTROL SYSTEM.
 - PANEL TO HAVE INTEGRAL SURGE PROTECTION.
 - PROPOSED PUMP CONTROL PANEL AND ITEMS BEING FED FROM THE PROPOSED PUMP CONTROL PANEL ARE LOCATED INSIDE THE WET WELL MOUNTED PUMPING STATION ENCLOSURE. WIRING FOR THE ITEMS FED FROM THE PROPOSED PUMP CONTROL PANEL FURNISHED AND INSTALLED BY THE GENERAL CONTRACTOR.
 - EACH HOMERUN PHASE WIRE TO HAVE A SEPARATE NEUTRAL, NO MULTI-WIRE CIRCUITS.
 - ELECTRICAL SERVICE TO BE UNDERGROUND, COORDINATE WITH POWER CO. COORDINATE TRENCHING, BACKFILL, SECONDARY CONDUITS AND CABLES, ETC. WITH POWER CO.

Barton Associates
Consulting Engineers

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North Building
221 West Philadelphia Street
York, PA 17401

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Web: www.ba-inc.com

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PROJECT NO. 2009098.00
DRAWN BY: FSI
DESIGNED BY: SEG
CHECKED BY: SEG

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| PLAN PREPARATION | | REVISIONS | |
|------------------|-------------|-----------|--------------------------------------|
| DRAWN BY: | DATE: | NO. | DESCRIPTION |
| FSI | 05/06/09 | 1. | 10/8/09 TOWNSHIP ENGINEER'S COMMENTS |
| DESIGNED BY: | CHECKED BY: | | |
| PFH | WFH | | |

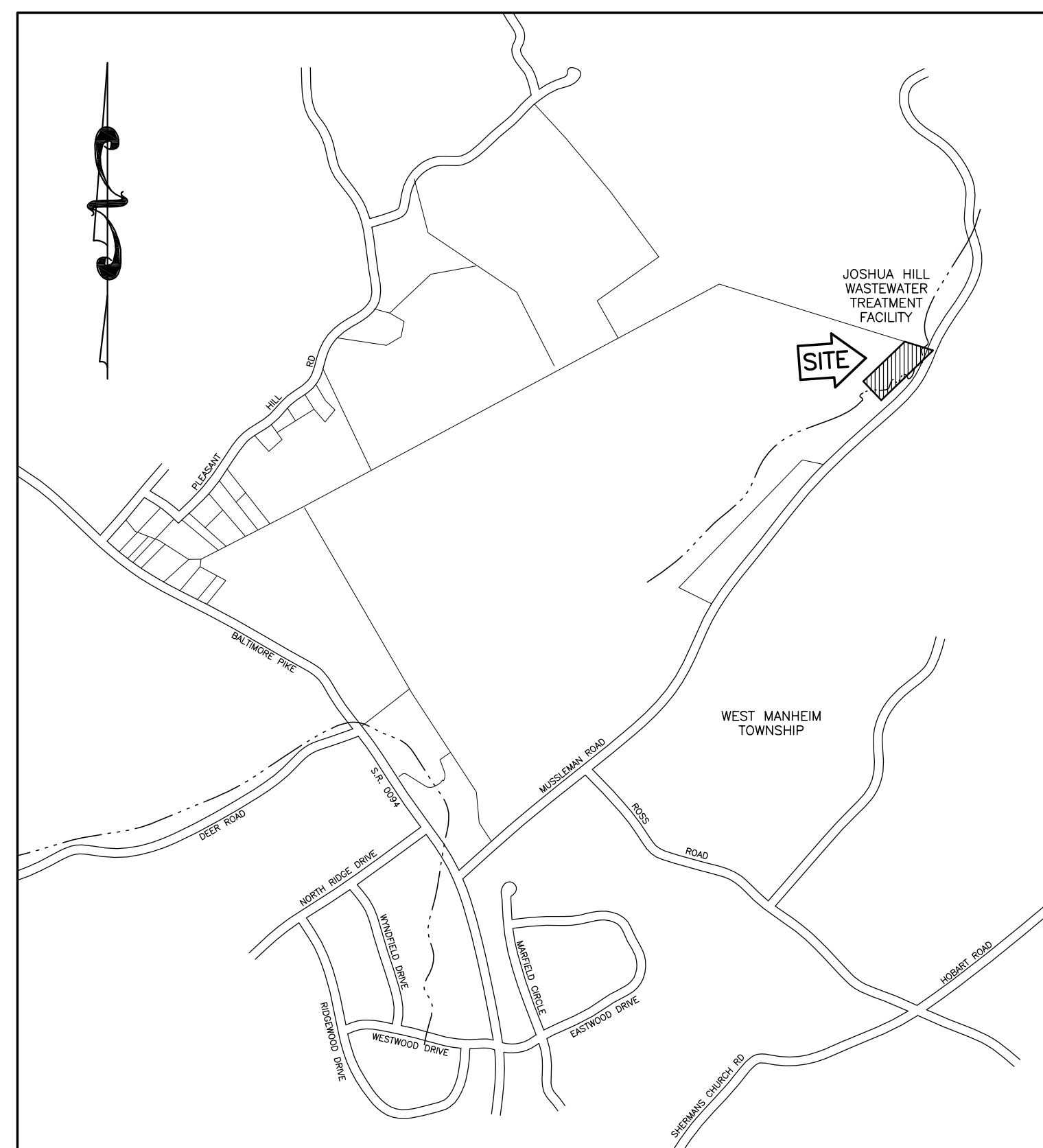
PUMP STATION ELECTRICAL PLAN

SCALE AS SHOWN

JOSHUA HILL SEWER COMPANY, LLC
BALTIMORE PIKE DUPLEX PUMPING STATION
WEST MANHEIM TOWNSHIP, YORK COUNTY, PA

SHEET NO. 4 OF 4

JOSHUA HILL SEWER COMPANY, LLC WASTEWATER TREATMENT FACILITY WEST MANHEIM TOWNSHIP, YORK COUNTY PENNSYLVANIA SEPTEMBER, 2011



LOCATION MAP
SCALE 1" = 1000'

| UNDERGROUND UTILITIES INFORMATION | |
|--|--|
| JOSHUA HILL SEWER COMPANY, LLC – WASTEWATER TREATMENT FACILITY WEST MANHEIM TOWNSHIP, YORK COUNTY, PA PA ONE CALL DESIGN STAGE SERIAL NUMBER: 20092040254 | |
| COMPANY: WEST MANHEIM TOWNSHIP ADDRESS: 2412 BALTIMORE PIKE HANOVER, PA. 17331 CONTACT: TIM PFAFF COMPANY: COMCAST OF SOUTHEASTERN PENNSYLVANIA ADDRESS: C/O CENTRAL LOCATING SERVICES USIC 13085 HAMILTON CROSSING BLVD SUITE 200 CARMEL, IN. 46032 CONTACT: CLS PERSONNEL | COMPANY: FIRSTENERGY CORP ADDRESS: 76 S MAIN ST AKRON, OH. 443081890 CONTACT: OFFICE PERSONNEL COMPANY: EMBARQ ADDRESS: MAIL STOP PABUTB0101 160 UNIONVILLE RD BUTLER, PA. 160019650 CONTACT: MICHAEL MONTAG EMAIL: michael.c.montag@embarq.com |
| <p>Know what's below. Call before you dig.</p> | |
| <p>NOTE: LOCATION OF UNDERGROUND UTILITIES IS BASED ON AVAILABLE RECORDS, PLANS, OR AS MARKED BY RESPECTIVE UTILITY COMPANY. ALL LOCATIONS ARE APPROXIMATE AND MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. THE ENGINEER AND OWNER ARE NOT RESPONSIBLE FOR CONFLICTS WITH UNDERGROUND UTILITIES RESULTING FROM CONTRACTORS FAILURE TO VERIFY LOCATIONS.</p> | |

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| DRAWN BY: | DATE: | NO. | DESCRIPTION |
| FSI | 09/01/11 | | |
| DESIGNED BY: | CHECKED BY: | | |
| PFH | WFH | | |

| | |
|---|----------------------|
| COVER SHEET | SCALE AS SHOWN |
| JOSHUA HILL SEWER COMPANY, LLC WASTEWATER TREATMENT FACILITY WEST MANHEIM TOWNSHIP, YORK COUNTY, PA | SHEET NO. 1 OF 31 |

- GENERAL NOTES:**
- PROPERTY LINES AND TOPOGRAPHY SHOWN ARE TAKEN FROM THE JOSHUA HILL FARM PRELIMINARY SUBDIVISION PLAN PREPARED BY HANOVER LAND SERVICES, INC., DATED SEPTEMBER 8, 2003
 - WETLANDS WERE FIELD DELINEATED BY ROEMER ECOLOGICAL SERVICES IN MAY, 2003.
 - 100 YEAR FLOOD PLAIN TAKEN FROM 100 YEAR FLOOD STUDY BY HANOVER LAND SERVICES, INC. DATED: 5/21/2007
 - ALL OFFSITE BORROW/SPOIL AREAS SHALL HAVE AN EROSION CONTROL PLAN PREPARED AND IMPLEMENTED.
 - FOR ALL UTILITY LINE CONSTRUCTION, PLACE ALL EXCAVATED MATERIAL ON HIGH SIDE OF TRENCH AND ONLY DO AS MUCH WORK AS CAN BE DONE IN ONE DAY, SO BACKFILLING CAN OCCUR.

LEGEND

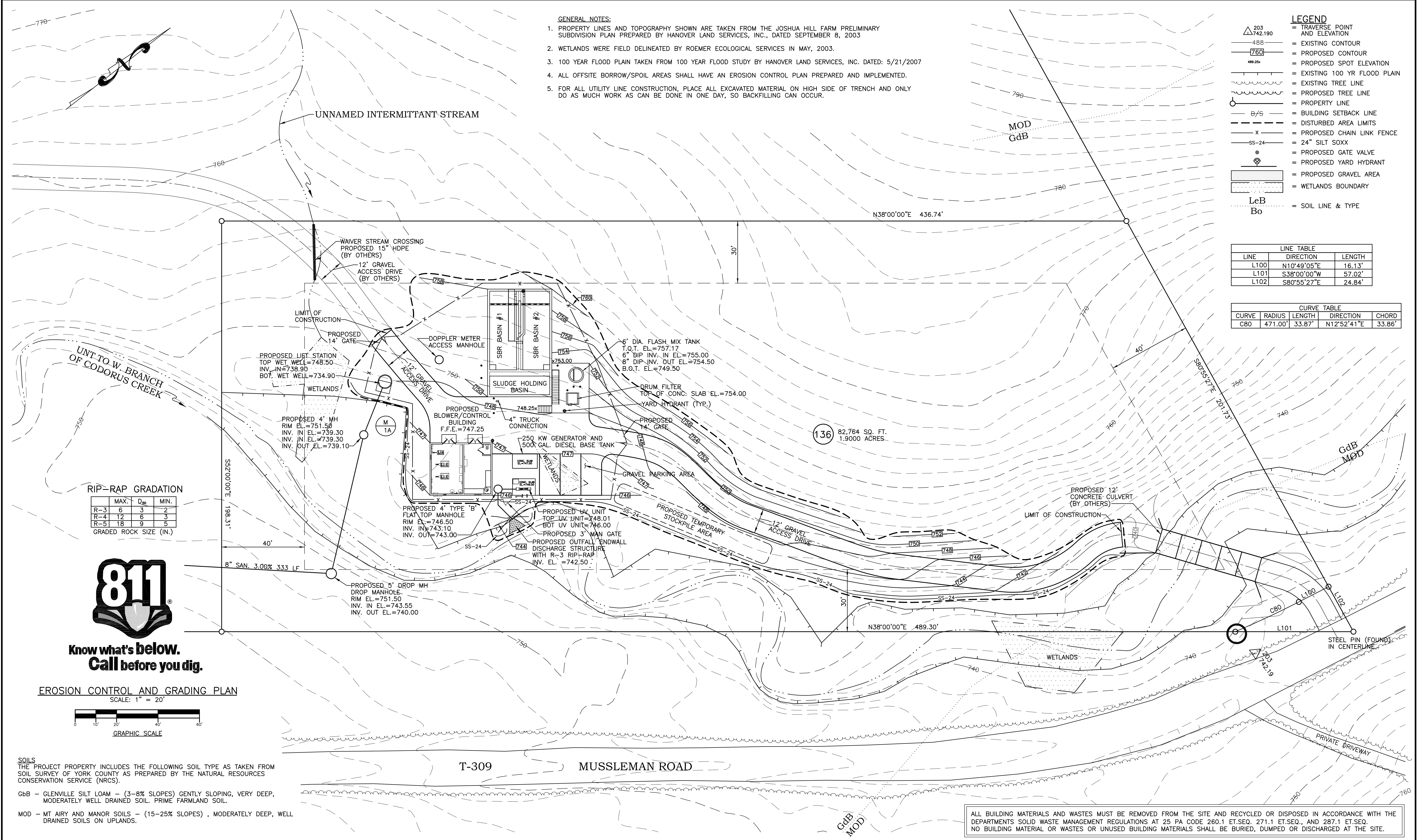
- = TRAVERSE POINT AND ELEVATION
- = EXISTING CONTOUR
- = PROPOSED CONTOUR
- = PROPOSED SPOT ELEVATION
- = EXISTING 100 YR FLOOD PLAIN
- = EXISTING TREE LINE
- = PROPOSED TREE LINE
- = PROPERTY LINE
- = BUILDING SETBACK LINE
- = DISTURBED AREA LIMITS
- = PROPOSED CHAIN LINK FENCE
- = 24" SILT SOXX
- = PROPOSED GATE VALVE
- = PROPOSED YARD HYDRANT
- = PROPOSED GRAVEL AREA
- = WETLANDS BOUNDARY
- = SOIL LINE & TYPE

LINE TABLE

| LINE | DIRECTION | LENGTH |
|------|-------------|--------|
| L100 | N10°49'05"E | 16.13' |
| L101 | S38°00'00"W | 57.02' |
| L102 | S80°55'27"E | 24.84' |

CURVE TABLE

| CURVE | RADIUS | LENGTH | DIRECTION | CHORD |
|-------|---------|--------|-------------|--------|
| C80 | 471.00' | 33.87' | N12°52'41"E | 33.86' |



RIP-RAP GRADATION

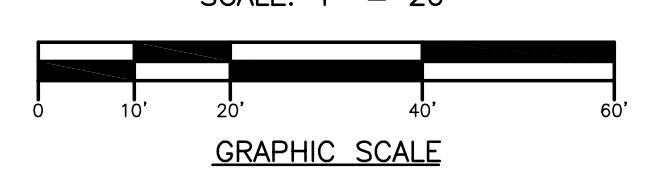
| | MAX. | D ₅₀ | MIN. |
|-----|------|-----------------|------|
| R-3 | 6 | 3 | 2 |
| R-4 | 12 | 6 | 3 |
| R-5 | 18 | 9 | 5 |

GRADED ROCK SIZE (IN.)



**Know what's below.
Call before you dig.**

EROSION CONTROL AND GRADING PLAN



SOILS
THE PROJECT PROPERTY INCLUDES THE FOLLOWING SOIL TYPE AS TAKEN FROM SOIL SURVEY OF YORK COUNTY AS PREPARED BY THE NATURAL RESOURCES CONSERVATION SERVICE (NRCS).

GdB - GLENVILLE SILT LOAM - (3-8% SLOPES) GENTLY SLOPING, VERY DEEP, MODERATELY WELL DRAINED SOIL. PRIME FARMLAND SOIL.

MOD - MT AIRY AND MANOR SOILS - (15-25% SLOPES), MODERATELY DEEP, WELL DRAINED SOILS ON UPLANDS.

ALL BUILDING MATERIALS AND WASTES MUST BE REMOVED FROM THE SITE AND RECYCLED OR DISPOSED IN ACCORDANCE WITH THE DEPARTMENTS SOLID WASTE MANAGEMENT REGULATIONS AT 25 PA CODE 260.1 ET.SEQ. 271.1 ET.SEQ., AND 287.1 ET.SEQ. NO BUILDING MATERIAL OR WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURIED, DUMPED OR DISCHARGED AT THE SITE.

| | | | | | | |
|--|-------------------------|-------------------|------------------|------|---|-------------------|
| WM. F. HILL & ASSOC., INC. PROFESSIONAL ENGINEERS CIVIL ♦ MUNICIPAL ♦ ENVIRONMENTAL GETTYSBURG, PA 17325 PH. (717) 334 - 9137 | PLAN PREPARATION | | REVISIONS | | EROSION CONTROL AND GRADING PLAN | SCALE AS SHOWN |
| | DRAWN BY: FSI | DATE: 09/01/11 | NO. | DATE | | |
| DESIGNED BY: PFH | CHECKED BY: WPH | | | | | |

EROSION AND SEDIMENT POLLUTION CONTROL PLAN

PROJECT NARRATIVE

THIS PROJECT INVOLVES THE CONSTRUCTION OF A WASTEWATER TREATMENT FACILITY OFF OF MUSSLEMAN ROAD T-309 IN WEST MANHEIM TOWNSHIP. WORK WILL INCLUDE THE CONSTRUCTION OF A BLOWER/CONTROL BUILDING, LIFT STATION, SCREEN, SBT TANKS AND SLUDGE HOLDING BASIN, UV UNIT AND RELATED SITE FEATURES.

IN GENERAL, THE EROSION AND SEDIMENT POLLUTION CONTROL FOR THIS PROJECT WILL BE ACCOMPLISHED THROUGH THE USE OF SILT SOXX AT VARIOUS LOCATIONS AS INDICATED ON THE PLAN. IN ADDITION, TEMPORARY AND PERMANENT SEEDING PROCEDURES AND STONE PLACEMENT WILL HELP TO MINIMIZE SEDIMENT LADEN RUNOFF.

TEMPORARY EROSION AND SEDIMENT POLLUTION CONTROL MEASURES

THE CONTRACTOR SHALL MAKE AN ATTEMPT TO DISTURB AS LITTLE AREA AS POSSIBLE IN AN EFFORT TO LESSEN EROSION AND SEDIMENTATION RELATED PROBLEMS. THE FOLLOWING METHODS TO CONTROL EROSION ARE TO BE FOLLOWED:

- SILT SOXX SHALL BE CONSTRUCTED ALONG THE DOWNSLOPE OF THE WORK AREAS TO FILTER ANY SILT LADEN RUNOFF FROM THE CONSTRUCTION AREA WHERE INDICATED AND AROUND TEMPORARY STOCKPILED TOPSOIL OR OTHER SOIL MATERIAL. INSTALLATION SHALL BE IN ACCORDANCE WITH THE PLANS AND PER THE MANUFACTURER'S RECOMMENDATIONS.
- TEMPORARY SEEDING SHALL BE PERFORMED AS OUTLINED UNDER SEED MIXTURES.

PERMANENT SOIL EROSION AND SEDIMENTATION CONTROL MEASURES

- PERMANENT SEEDING SHALL BE PERFORMED AS OUTLINED UNDER SEED MIXTURES.

DEWATERING TRENCHES AND EXCAVATED PITS

SHOULD THE OCCASION ARISE THAT EXCAVATIONS WOULD NEED TO BE DEWATERED BY PUMPING, SO THAT CONSTRUCTION CAN RESUME, ONE OF THE FOLLOWING METHODS SHOULD BE UTILIZED, WHICHEVER IS MOST APPLICABLE.

- DISCHARGE OVER AREAS WITH EXTENSIVE VEGETATION. CHECK FOR SIGNS OF SOIL REMOVAL OVER THE DISCHARGE AREA. IF EITHER SOIL PARTICLES ARE NOT BEING REMOVED, OR THE DISCHARGE IS SCOURING (ERODING) THE AREA, DISCONTINUE PUMPING AND USE METHOD NUMBER 2.
- CONSTRUCT A SEDIMENT TRAPPING FACILITY AS SHOWN ON THE DETAIL DRAWING.

SOILS

THE PROJECT PROPERTY INCLUDES THE FOLLOWING SOIL TYPE AS TAKEN FROM SOIL SURVEY OF YORK COUNTY AS PREPARED BY THE NATURAL RESOURCES CONSERVATION SERVICE (NRCS).

- Gbb - GLENVILLE SILT LOAM - (3-8% SLOPES) GENTLY SLOPING, VERY DEEP, MODERATELY WELL DRAINED SOIL. PRIME FARMLAND SOIL.
- MOD - MT AIRY AND MANOR SOILS - (15-25% SLOPES) , MODERATELY DEEP, WELL DRAINED SOILS ON UPLANDS.

SITE ACCESS AND USE

ALL EQUIPMENT SHALL ACCESS THE SITE BY MEANS OF THE PROPOSED GRAVEL ENTRANCE OFF OF MUSSLEMAN ROAD. ALL EQUIPMENT SHALL BE STORED ON-SITE OR AT LOCATIONS APPROVED BY THE OWNER. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT SEDIMENT IS NOT TRANSPORTED FROM THE CONSTRUCTION SITE TO THE ADJACENT STREETS. VEHICLES SHALL BE WASHED DOWN IF REQUIRED. WASH DOWN OF VEHICLES AND EQUIPMENT SHALL OCCUR UPSTREAM OF SILT FENCE, VEGETATIVE FILTER AREA, OR OTHER SEDIMENT CONTROL MEASURES.

VEGETATIVE STABILIZATION - SEED MIXTURES AND SPECIFICATIONS

IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITIES CEASE, THE OPERATOR SHALL STABILIZE ANY AREAS DISTURBED BY THE ACTIVITIES. DURING NON-GERMINATING PERIODS, MULCH MUST BE APPLIED AT THE SPECIFIED RATES AND ANCHORED. DISTURBED AREAS WHICH ARE NOT AT FINISHED GRADE AND WHICH WILL BE RE-DISTURBED WITHIN ONE (1) YEAR MUST BE STABILIZED IN ACCORDANCE WITH THE TEMPORARY VEGETATIVE STABILIZATION SPECIFICATIONS. DISTURBED AREAS WHICH ARE AT FINISHED GRADE OR WHICH WILL NOT BE RE-DISTURBED WITHIN ONE (1) YEAR MUST BE STABILIZED IN ACCORDANCE WITH THE PERMANENT VEGETATIVE STABILIZATION SPECIFICATIONS.

VEGETATIVE STABILIZATION

- REMOVE COARSE FRAGMENTS FROM SURFACE.
- SOIL SHALL BE LOOSENEED TO A DEPTH OF 3 INCHES BY RAKING, DISCING, OR OTHER ACCEPTABLE MEANS PRIOR TO SEEDING.
- SEEDING: APPLY SEED UNIFORMLY AT THE SPECIFIED RATE WITH A CYCLONE SEEDER, DRILL, CULTPACKER SEEDER OR HYDROSEEDER. WHEN NOT USING A HYDROSEEDER, SEED SHOULD BE APPLIED TO A MAXIMUM DEPTH OF 1/4 INCH ON CLAYEY SOILS AND 1/2 INCH ON SANDY SOILS. WHEN USING A HYDROSEEDER, THE SEED AND FERTILIZER SHALL BE MIXED ON SITE AND THE SEEDING SHALL BE IMMEDIATE WITHOUT INTERRUPTION.
- DO NOT SOW IMMEDIATELY FOLLOWING RAIN OR WHEN GROUND IS TOO DRY OR DURING WINDY PERIODS.
- ALL SEED SPECIFICATIONS SUCH AS PURITY, READY GERM, TOTAL GERM, ETC., SHALL BE IN ACCORDANCE WITH THE PENN STATE UNIVERSITY AGRONOMY GUIDE.
- SEEDED AREAS SHALL BE PROTECTED BY MULCHING AS NECESSARY. THIS WORK SHALL BE DONE IN ACCORDANCE WITH PennDOT PUBLICATION 408.
- TEMPORARY STABILIZATION: SITE PREPARATION SHALL CONSIST OF APPLYING (1) TON OF LIME PER ACRE AND 600 LB. PER ACRE OF 10-10-10 FERTILIZER. AFTER SEEDING, MULCH WITH STRAW OR HAY AT A RATE OF (3) TONS PER ACRE.

TEMPORARY SEEDING MIXTURES

| SPECIES | SEEDING RATE (LB./Ac) |
|-----------------|-----------------------|
| ANNUAL RYEGRASS | 40 |
| MULCH | 3 Ton/Ac |

PERMANENT SEEDING MIXTURES

| SPECIES | SEEDING RATE (LB./Ac) |
|-------------------------|-----------------------|
| ANNUAL WINTER RYEGRASS | 40 |
| TALL FESCUE | 60 |
| FINE RED FESCUE | 35 |
| PERENNIAL RYE | 15 |
| FERTILIZER (10-10-10) | 1000 |
| AGRICULTURAL GRADE LIME | 3 Ton/Ac |
| MULCH | 3 Ton/Ac |

- IN THE EVENT THAT VEGETATIVE COVER IS NOT ESTABLISHED, THE CONTRACTOR SHALL PROVIDE BIODEGRADABLE STABILIZATION MATTING TO HOLD ALL SLOPES UNTIL VEGETATIVE COVER IS ESTABLISHED OR THE AREA IS OTHERWISE STABILIZED.
- THE CONTRACTOR MAY PROVIDE A SUITABLE ALTERNATE TO THE SPECIFIED SEED MIXTURE. THE SEED MIXTURE SHALL MEET THE SPECIFICATIONS OF THE PENN STATE AGRONOMY GUIDE. ANY ALTERNATES SHALL BE APPROVED BY THE ENGINEER.

EROSION CONTROL FACILITIES TEMPORARY MAINTENANCE SCHEDULE

THE CONTRACTOR SHALL IMPLEMENT THE FOLLOWING MAINTENANCE SCHEDULE AT A MINIMUM. MAINTENANCE SHALL BEGIN IMMEDIATELY FOLLOWING INSTALLATION OF THE EROSION AND SEDIMENT CONTROL MEASURES AND SHALL BE FOLLOWED UNTIL THE FACILITY IS REMOVED IN ACCORDANCE WITH THIS PLAN.

| MEASURE | FREQUENCY | MAINTENANCE |
|--------------------------------------|--|---|
| SILT SOXX | DAILY AND AFTER ALL STORM EVENTS | INSPECT, REPLACE OR RESECURE, REMOVE SEDIMENT WHEN ACCUMULATION REACHES 1/2 HEIGHT OF SOXX (ABOVE GROUND) |
| SEEDED/MULCHED AREAS | WEEKLY | INSPECT, REPLACE ANY MATERIALS NECESSARY RESEED AS REQUIRED |
| TEMPORARILY STOCKPILED SOIL MATERIAL | WEEKLY AND AFTER ALL STORM EVENTS | INSPECT, RE-SEED REPAIR SILT FENCE IF NECESSARY, REMOVE SEDIMENT FROM SILT FENCE AT 1/2 HEIGHT OF FENCE |
| DEWATERING FACILITY (IF REQUIRED) | AFTER ALL PUMPING ACTIVITIES TO FACILITY | INSPECT, RESEED, REPAIR, IF NECESSARY REMOVE SEDIMENT |

CONSTRUCTION SEQUENCE

ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE FOLLOWING SEQUENCE. EACH STAGE SHALL BE COMPLETED BEFORE ANY FOLLOWING STAGE IS INITIATED. CLEARING AND GRUBBING SHALL BE LIMITED ONLY TO THOSE AREAS DESCRIBED IN EACH STAGE.

- AT LEAST SEVEN (7) DAYS BEFORE STARTING ANY EARTH DISTURBANCE ACTIVITIES THE OPERATOR SHALL INVITE ALL CONTRACTORS INVOLVED IN THOSE ACTIVITIES, THE LANDOWNER, ALL APPROPRIATE MUNICIPAL OFFICIALS, THE EROSION AND SEDIMENT CONTROL PLAN PREPARED, AND THE YORK COUNTY CONSERVATION DISTRICT TO AN ON-SITE PRE-CONSTRUCTION MEETING. ALSO, AT LEAST THREE (3) DAYS BEFORE STARTING ANY EARTH DISTURBANCE ACTIVITIES, ALL CONTRACTORS INVOLVED IN THOSE ACTIVITIES SHALL NOTIFY THE PA ONE CALL SYSTEM INC. AT 811 OR 1-800-242-1776 FOR BURIED UTILITIES LOCATIONS.
- PERFORM PRELIMINARY CONSTRUCTION STAKEOUT AND LOCATION OF ALL UNDERGROUND UTILITIES RELATIVE TO AND IN THE VICINITY OF THE SITE.
- INSTALL SILT SOXX AND PERIMETER EROSION CONTROL MEASURES FOR AREA OF PROPOSED WWTF.
- CLEAR AND GRUB AS NECESSARY FOR INSTALLATION OF WWTF UNITS.
- COMPLETE CONSTRUCTION STAKEOUT, INCLUDING LOCATION OF TANKS, BUILDING, INFLUENT/EFFLUENT LINES, ETC.
- PERFORM ROUGH GRADING IN AREAS OF PROPOSED WWTF UNITS.
- INSTALL UTILITIES AS REQUIRED FOR INSTALLATION/CONSTRUCTION OF WWTF UNITS. IN CONJUNCTION, STABILIZE ACCESS DRIVE, PARKING AREAS AND ALL PROPOSED ACCESS AREAS WITH STONE.
- CONSTRUCT WWTF, INCLUDING ALL BUILDINGS, TANKS, PIPING, ETC. PERFORM TEMPORARY SEEDING, STONING AS NECESSARY DURING CONSTRUCTION TO PREVENT EROSION.
- CONSTRUCT SANITARY SEWER OUTFALL LINE, INCLUDING OUTFALL HEADWALL AND R-3 RIP-RAP.
- COMPLETE ANY REMAINING FINAL GRADING AND CONSTRUCT DRAINAGE SWALES WITH TEMPORARY SYNTHETIC MATTING AND ROCK FILTER, INCLUDING FINAL RESTORATION OF AREAS DISTURBED DURING CONSTRUCTION.
- INSTALL ALL LANDSCAPE SCREENING AND ESTABLISH PERMANENT SEEDING OF LAWN AREAS.
- NOTIFY THE YORK COUNTY CONSERVATION DISTRICT OF PROJECT COMPLETION.
- FOLLOWING ESTABLISHMENT OF PERMANENT SEEDING (TO A POINT WHERE 70% MINIMUM UNIFORM PERENNIAL VEGETATIVE COVER HAS BEEN ESTABLISHED) THE TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MAY BE REMOVED, INCLUDING, BUT NOT LIMITED TO, SILT FENCING AND SILT SOXX. ADDITIONALLY, THE CONTRACTOR SHALL STABILIZE ALL DISTURBED AREAS WITH THE PERMANENT STABILIZATION SPECIFICATIONS.
- UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES, REMOVAL OF ALL TEMPORARY BMPS, AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT THE YORK COUNTY CONSERVATION DISTRICT FOR A FINAL INSPECTION.

CONSTRUCTION SEQUENCE CONTINUED:

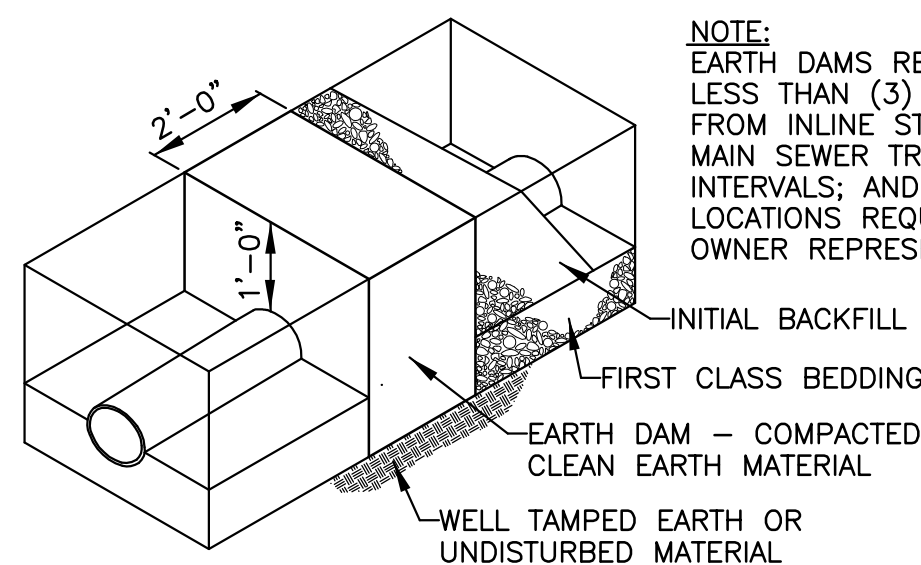
- NOTIFY THE YORK COUNTY CONSERVATION DISTRICT (717-840-7430) OF PHASE I PROJECT COMPLETION. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATORS SHALL CONTACT THE YORK COUNTY CONSERVATION DISTRICT FOR AN INSPECTION PRIOR TO BMP REMOVAL.
- FOLLOWING ESTABLISHMENT OF PERMANENT SEEDING (TO A POINT WHERE 70% MINIMUM UNIFORM PERENNIAL VEGETATIVE COVER HAS BEEN ESTABLISHED) THE PHASE I TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MAY BE REMOVED, INCLUDING, BUT NOT LIMITED TO, SILT FENCING AND SILT SOXX. ADDITIONALLY, THE CONTRACTOR SHALL STABILIZE ALL DISTURBED AREAS WITH THE PERMANENT STABILIZATION SPECIFICATIONS.
- UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES, REMOVAL OF ALL TEMPORARY BMPS, AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT THE YORK COUNTY CONSERVATION DISTRICT FOR A FINAL INSPECTION.

GENERAL NOTES:

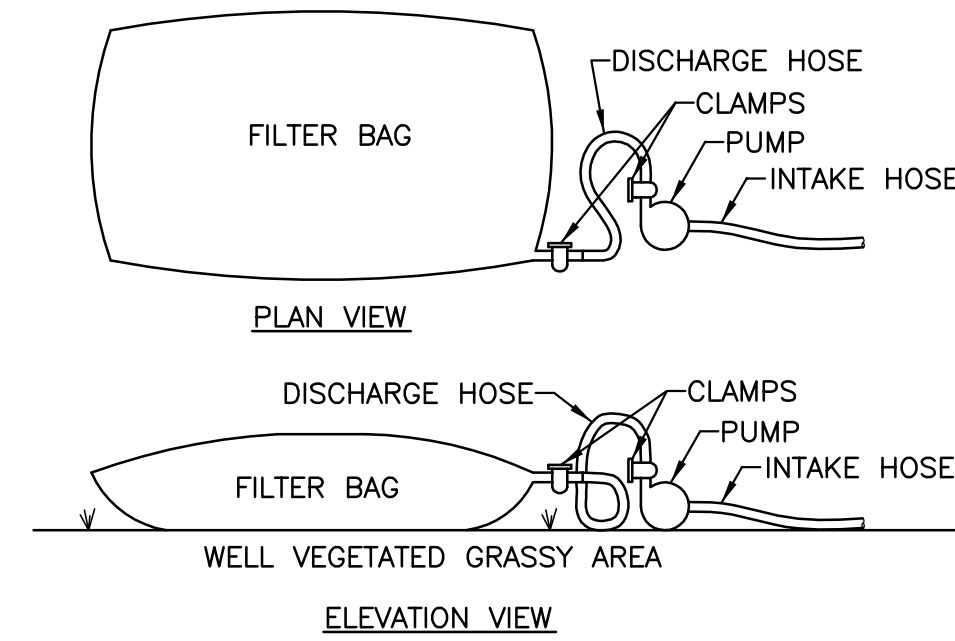
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DO ALL WORK ON THE OWNER'S PROPERTY. WORK OR STORING OF EQUIPMENT IS NOT PERMITTED ON ADJACENT PROPERTY.
- FOR ALL UTILITY LINE CONSTRUCTION, PLACE ALL EXCAVATED MATERIAL ON HIGH SIDE OF TRENCH AND ONLY DO AS MUCH WORK AS CAN BE DONE IN ONE DAY SO BACKFILLING CAN OCCUR.
- A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN MUST BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES.
- ALL PUMPING OF SEDIMENT LADEN WATER SHALL BE THROUGH A SEDIMENT CONTROL BMP, SUCH AS A PUMPED WATER FILTER BAG OR EQUIVALENT SEDIMENT REMOVAL FACILITY, OVER UNDISTURBED VEGETATED AREAS.
- NO STOCKPILING OF SOIL MATERIAL SHALL TAKE PLACE ON ASPHALT. TOPSOIL STOCKPILE HEIGHTS SHALL NOT EXCEED 35 FEET. STOCKPILE SIDESLOPES MUST BE 2:1 OR FLATTER.
- AN AREA SHALL BE CONSIDERED TO HAVE ACHIEVED FINAL STABILIZATION WHEN IT HAS A MINIMUM UNIFORM 70% PERENNIAL VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST SLIDING AND OTHER MOVEMENTS.
- ALL BUILDING MATERIALS AND WASTES MUST BE REMOVED FROM THE SITE AND RECYCLED OR DISPOSED IN ACCORDANCE WITH THE DEPARTMENTS SOLID WASTE MANAGEMENT REGULATIONS AT 25 PA CODE 260.1 ET.SEQ., AND 287.1 ET.SEQ. NO BUILDING MATERIAL OR WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURIED, DUMPED OR DISCHARGED AT THE SITE.
- ALL SUPPLIES/MATERIALS NECESSARY TO IMPLEMENT PLAN SHALL BE AVAILABLE FOR USE PRIOR TO EARTH MOVING ACTIVITIES.
- ALL E&S AND PCSM BMP'S SHALL BE PROTECTED FROM UNAUTHORIZED ACTS OF THIRD PARTIES.
- EROSION AND SEDIMENT CONTROL FACILITIES SHALL NOT BE CONVERTED TO STORMWATER MANAGEMENT FACILITIES DURING NON-GROWING SEASON.
- ALL RESOURCES SUCH AS BUT NOT LIMITED TO SINKHOLES, WETLANDS, WATERCOURSES ETC. SHALL BE ACCURATELY FIELD DEFINABLE PRIOR TO CONSTRUCTION AND UNTIL SUCH TIME THAT THE DEVELOPMENT IS COMPLETED. THE USE OF ORANGE SAFETY/CONSTRUCTION FENCE IS PREFERRED.
- THE ENGINEER OF RECORD SHOULD ASSURE THAT ALL STRUCTURAL BMP'S ARE INSPECTED DURING CONSTRUCTION AND AFTER CONSTRUCTION.
- AN E&S PLAN SHALL BE PREPARED AND SUBMITTED TO CONSERVATION DISTRICT FOR EACH OFFSITE SPOIL AND/OR BORROW AREA UTILIZED FOR THIS PERMITTED SITE.
- ANY SEDIMENT REMOVED FROM BMPS DURING CONSTRUCTION WILL BE RETURNED TO UPLAND AREAS ON SITE AND INCORPORATED INTO THE SITE GRADING.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR THE REMOVAL OF ANY EXCESS MATERIAL AND MAKE SURE THAT THE SITE(S) RECEIVING THE EXCESS HAS AN APPROVED EROSION AND SEDIMENT CONTROL PLAN THAT MEETS THE CONDITIONS OF CHAPTER 102 AND/OR OTHER STATE OR FEDERAL REGULATIONS.
- CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL FILL USED ON THE SITE IS UNCONTAMINATED CLEAN FILL AND THE ENVIRONMENTAL DUE DILIGENCE IS PERFORMED THROUGHOUT THE CONSTRUCTION PROCESS. ANY PLACEMENT OF CLEAN FILL THAT HAS BEEN AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE MUST USE FORM FP-001 TO CERTIFY THE ORIGIN OF THE FILL MATERIAL AND THE RESULTS OF THE ANALYTICAL TESTING TO QUALIFY THE MATERIAL AS CLEAN FILL. FORM FP-001 MUST BE RETAINED BY THE OWNER OF THE PROPERTY RECEIVING THE FILL.

DEFINITIONS:
CLEAN FILL - UNCONTAMINATED, NON WATER SOLUBLE, NON-DECOMPOSABLE INERT SOLID MATERIAL USED TO LEVEL AN AREA OR BRING THE AREA TO GRADE. THE TERM DOES NOT INCLUDE MATERIALS PLACED IN OR ON THE WATERS OF THE COMMONWEALTH. THE TERM DOES INCLUDE THE FOLLOWING MATERIALS: SOIL, ROCK, STONE, DREDGED MATERIAL, USED ASPHALT, AND BRICK, BLOCK OR CONCRETE FROM CONSTRUCTION AND DEMOLITION ACTIVITIES THAT IS SEPARATE FROM OTHER WASTE AND RECOGNIZABLE AS SUCH (25 PA CODE 287.1, 271.1).

ENVIRONMENTAL DUE DILIGENCE - INVESTIGATIVE TECHNIQUES, INCLUDING, BUT NOT LIMITED TO, VISUAL TO, VISUAL PROPERTY INSPECTIONS, ELECTRONIC DATA BASE SEARCHES, REVIEW OF OWNERSHIP AND USE, HISTORY OF PROPERTY, SANDBORNE MAPS, ENVIRONMENTAL QUESTIONNAIRES, TRANSACTION SCREENS, ENVIRONMENTAL ASSESSMENTS AND AUDITS (35 P.S. 6027.103). ANALYTICAL TESTING IS NOT A REQUIRED PART OF DUE DILIGENCE UNLESS VISUAL INSPECTION AND/OR REVIEW OF THE PAST LAND USE OF THE PROPERTY INDICATES THAT FILL MAY HAVE BEEN SUBJECTED TO A SPILL OR RELEASE OF A REGULATED SUBSTANCE. IF THE FILL MAY HAVE BEEN AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE, IT MUST BE TESTED TO DETERMINE IF IT QUALIFIES AS CLEAN FILL. TESTING SHOULD BE PERFORMED IN ACCORDANCE WITH APPENDIX A OF THE DEPARTMENT'S POLICY "MANAGEMENT OF CLEAN FILL."

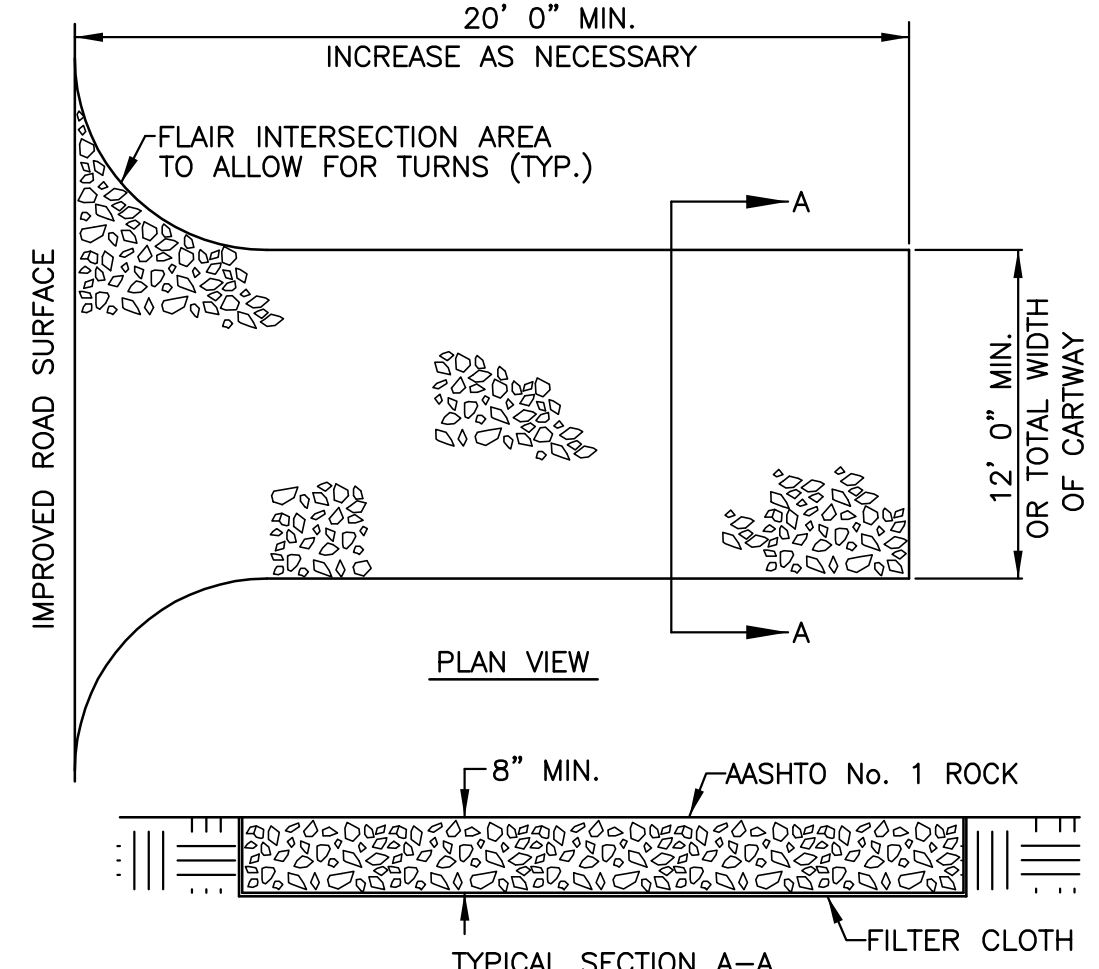


TYPICAL EARTH DAM
SCALE: N.T.S.



PUMPED WATER FILTER BAG
SCALE: N.T.S.

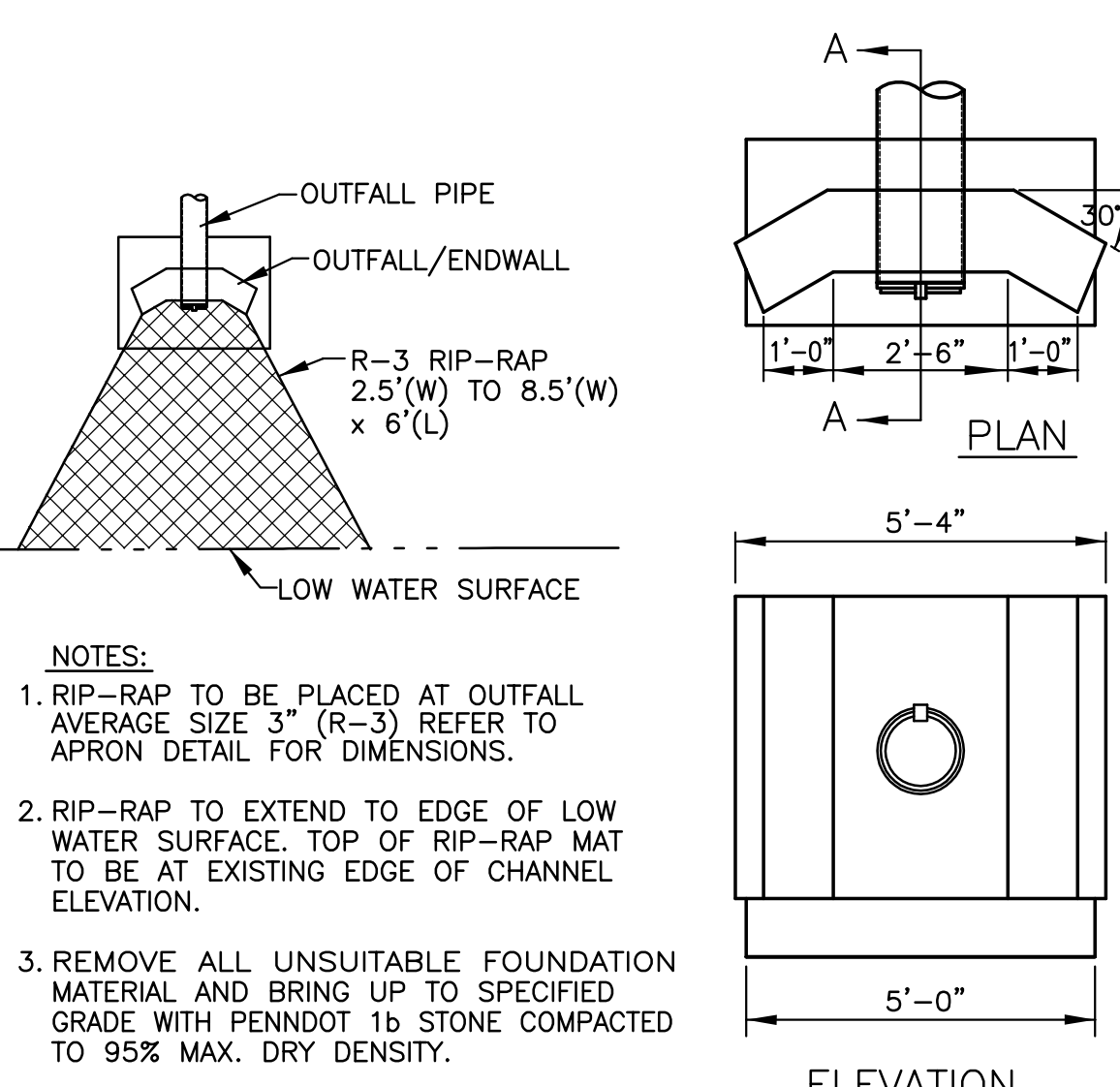
- FILTER BAGS SHALL BE MADE FROM NON-WOVEN GEOTEXTILE MATERIAL SEWN WITH HIGH STRENGTH, DOUBLE STITCHED "J" TYPE SEAMS. THEY SHALL BE CAPABLE OF TRAPPING PARTICLES LARGER THAN 150 MICRONS.
- A SUITABLE MEANS OF ACCESSING THE BAG WITH MACHINERY REQUIRED FOR DISPOSAL PURPOSES MUST BE PROVIDED. FILTER BAGS SHALL BE REPLACED WHEN THEY BECOME 1/2 FULL. SPARE BAGS SHALL BE KEPT AVAILABLE FOR REPLACEMENT OF THOSE THAT HAVE FAILED OR ARE FILLED.
- BAGS SHALL BE LOCATED IN WELL-VEGETATED (GRASSY) AREA, AND DISCHARGE ONTO STABLE, EROSION RESISTANT AREAS. WHERE THIS IS NOT POSSIBLE, A GEOTEXTILE FLOW PATH SHALL BE PROVIDED. BAGS SHALL NOT BE PLACED ON SLOPES GREATER THAN 5%.
- THE PUMP DISCHARGE HOSE SHALL BE INSERTED INTO THE BAGS IN THE MANNER SPECIFIED BY THE MANUFACTURER AND SECURELY CLAMPED.
- THE PUMPING RATE SHALL BE NO GREATER THAN 750 GPM OR 1/2 THE MAXIMUM SPECIFIED BY THE MANUFACTURER, WHICHEVER IS LESS. PUMP INTAKES SHOULD BE FLOATING AND SCREENED.



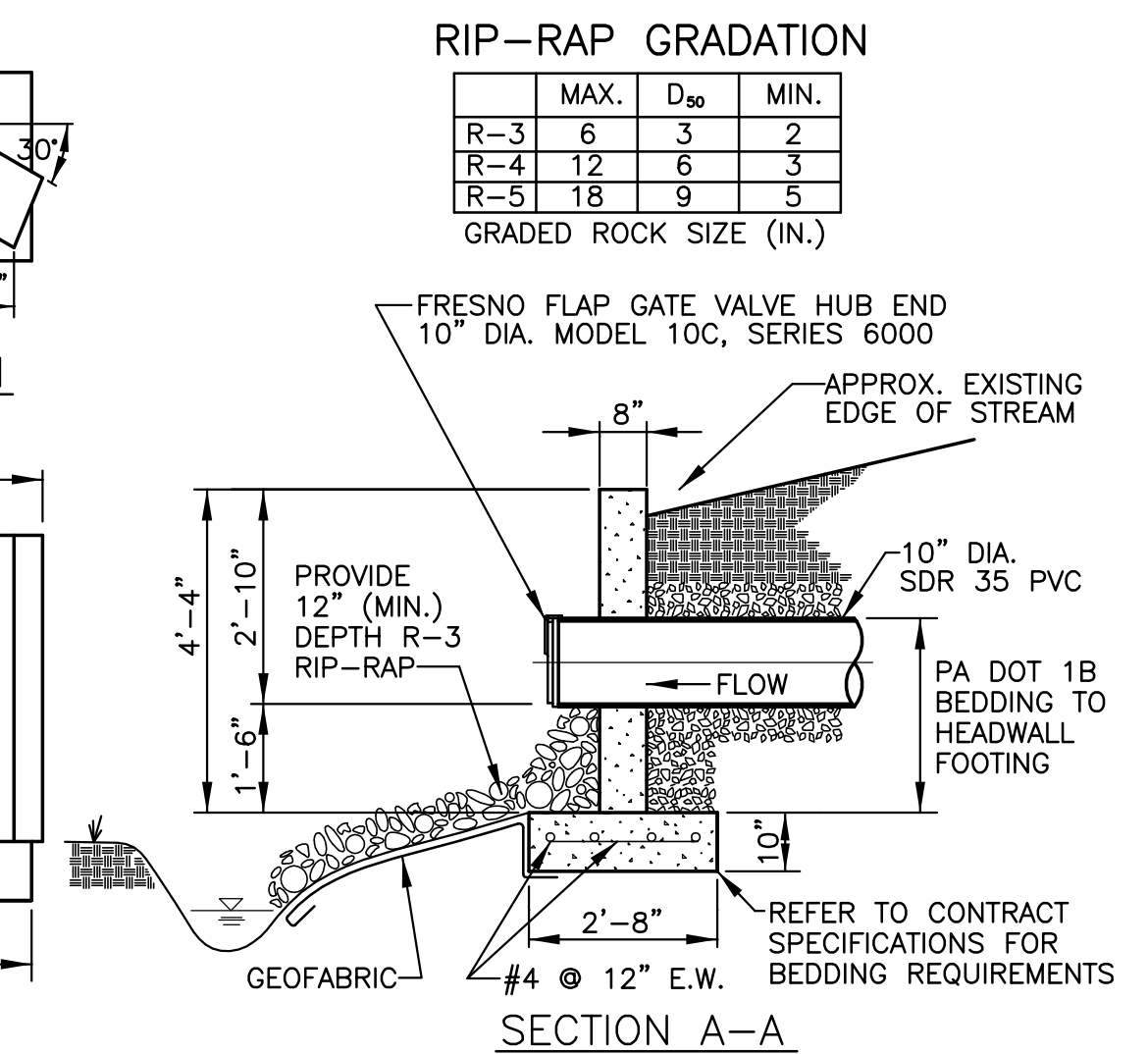
SPECIFICATIONS FOR CONSTRUCTION OF STABILIZED CONSTRUCTION ENTRANCE

- THE STABILIZED CONSTRUCTION ENTRANCE SHALL BE AT LOCATIONS SHOWN ON THE SITE PLAN AND IN ACCORDANCE WITH THE DETAIL DRAWING. THE STABILIZED CONSTRUCTION ENTRANCE SHOWN ON THE SITE PLAN IS FOR LOCATION PURPOSE ONLY. THE DIMENSIONS SHALL BE AS INDICATED ON THE DETAIL DRAWING.
- THE ROCK SHALL BE AASHTO No. 1 AS SPECIFIED IN PENNDOT PUB. 408/703.2.
- FOR INSTALLATION IN CLAYEY OR POORLY DRAINED SOILS, A GEOTEXTILE FABRIC UNDERLAYMENT SHALL BE UTILIZED. THE GEOTEXTILE FABRIC USED SHALL HAVE BEEN DESIGNED SPECIFICALLY FOR THIS USE.
- A SUPPLY OF ROCK AS SPECIFIED UNDER No. 2 SHALL BE KEPT ON THE PROJECT SITE FOR USE IN MAINTENANCE OF THE STABILIZED CONSTRUCTION ENTRANCE.
- MAINTAIN PER MAINTENANCE SCHEDULE.
- ROCK CONSTRUCTION ENTRANCE THICKNESS WILL BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSIONS BY ADDING ROCK. A STOCKPILE OF ROCK MATERIAL WILL BE MAINTAINED ON THE SITE FOR THIS PURPOSE AT THE END OF EACH CONSTRUCTION DAY. ALL SEDIMENT DEPOSITED ON PUBLIC ROADWAYS WILL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE.

STABILIZED CONSTRUCTION ENTRANCE DETAIL
SCALE: N.T.S.



REINFORCED CONCRETE EFFLUENT OUTFALL ENDWALL DETAIL
SCALE: N.T.S.



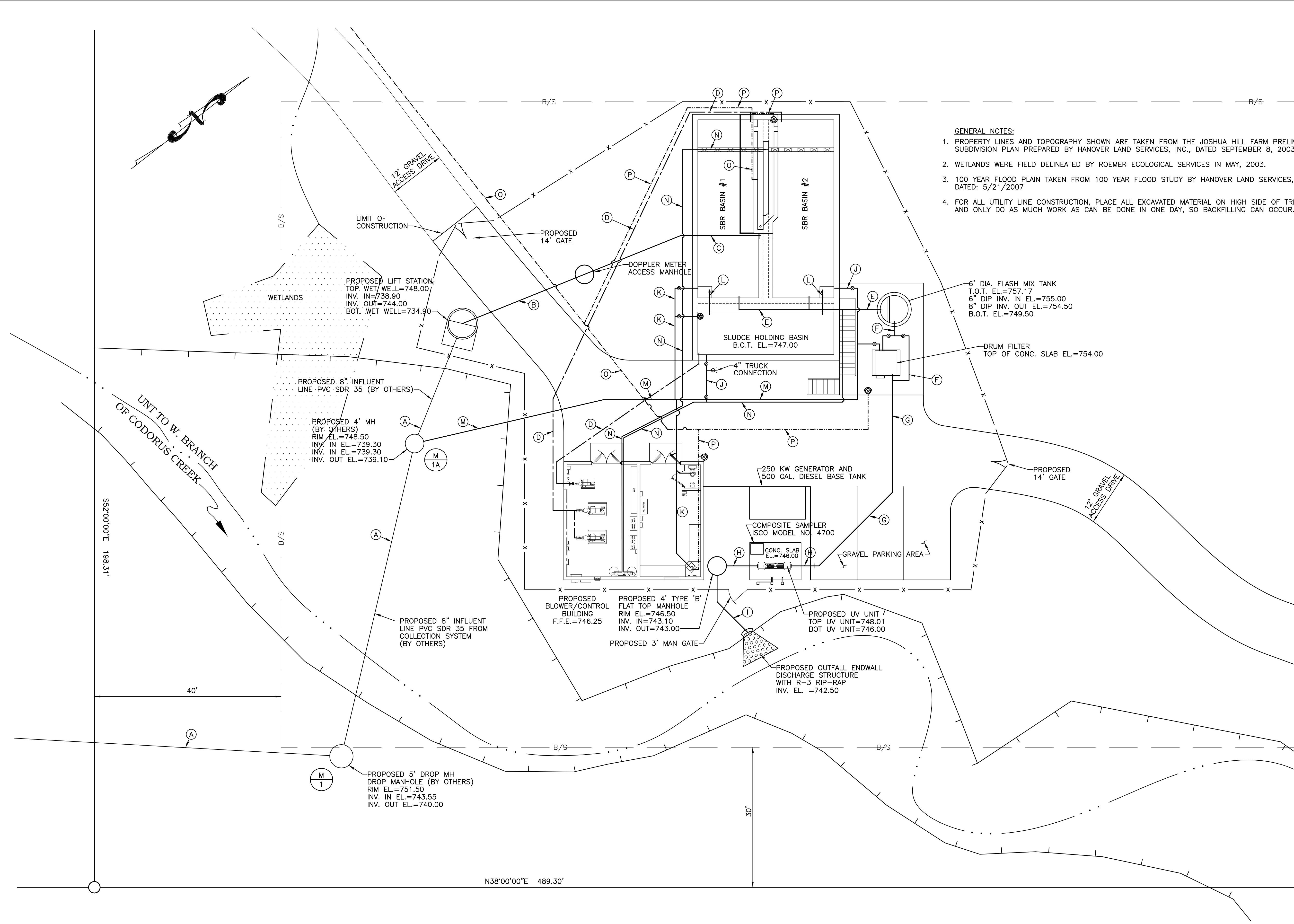
SECTION A-A

WM. F. HILL & ASSOC., INC.
PROFESSIONAL ENGINEERS
CIVIL ♦ MUNICIPAL ♦ ENVIRONMENTAL
GETTYSBURG, PA 17325
PH. (717) 334 - 9137

| PLAN PREPARATION | | REVISIONS | |
|------------------|-------------|-----------|-------------|
| DRAWN BY: | DATE: | NO. | DESCRIPTION |
| FSI | 09/01/11 | | |
| DESIGNED BY: | CHECKED BY: | | |
| PFH | WPH | | |

EROSION AND SEDIMENT CONTROL NOTES AND DETAILS
JOSHUA HILL SEWER COMPANY, LLC
WASTEWATER TREATMENT FACILITY
WEST MANHEIM TOWNSHIP, YORK COUNTY, PA

SCALE AS SHOWN
SHEET NO. 3 OF 31



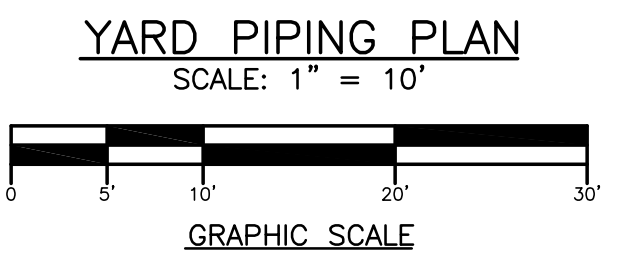
- GENERAL NOTES:**
- PROPERTY LINES AND TOPOGRAPHY SHOWN ARE TAKEN FROM THE JOSHUA HILL FARM PRELIMINARY SUBDIVISION PLAN PREPARED BY HANOVER LAND SERVICES, INC., DATED SEPTEMBER 8, 2003
 - WETLANDS WERE FIELD DELINEATED BY ROEMER ECOLOGICAL SERVICES IN MAY, 2003.
 - 100 YEAR FLOOD PLAIN TAKEN FROM 100 YEAR FLOOD STUDY BY HANOVER LAND SERVICES, INC. DATED: 5/21/2007
 - FOR ALL UTILITY LINE CONSTRUCTION, PLACE ALL EXCAVATED MATERIAL ON HIGH SIDE OF TRENCH AND ONLY DO AS MUCH WORK AS CAN BE DONE IN ONE DAY, SO BACKFILLING CAN OCCUR.

- LEGEND**
- = PROPERTY LINE
 - - - B/S = BUILDING SETBACK LINE
 - x - x - = PROPOSED CHAIN LINK FENCE
 - ⊙ = PROPOSED GATE VALVE
 - ⊙ = PROPOSED YARD HYDRANT
 - ▭ = WETLANDS BOUNDARY

- PIPING LEGEND**
- (A) PROPOSED 8" GRAVITY LINE (PVC SDR 35)
 - (B) PROPOSED 4" FORCE MAIN (CLASS 50 DIP)
 - (C) PROPOSED 4" FORCE MAIN (CLASS 51 DIP)
 - (D) PROPOSED 4" AIR LINE (CLASS 50 D.I.P.)
 - (E) PROPOSED 6" EFFLUENT LINE (CLASS 51 DIP)
 - (F) PROPOSED 8" EFFLUENT LINE (CLASS 51 DIP)
 - (G) PROPOSED 8" EFFLUENT LINE (PVC SDR 35)
 - (H) PROPOSED 10" EFFLUENT LINE (CLASS 50 DIP)
 - (I) PROPOSED 10" EFFLUENT LINE (PVC SDR 35)
 - (J) PROPOSED 4" SUPERNATANT/DRAIN LINE (CLASS 50 DIP)
 - (K) PROPOSED 4" DRAIN LINE (PVC SDR 35)
 - (L) PROPOSED 2 1/2" GALV. WAS LINE (PVC SCH 40)
 - (M) PROPOSED 6" DRAIN LINE (PVC SDR-35)
 - (N) PROPOSED 3/8" CHEMICAL FEED LINE 3 EA. HDPE IN 2" CONDUIT (SCH 80)
 - (O) PROPOSED 2" POTABLE WATER LINE COPPER (TYPE L)
 - (P) PROPOSED 1" POTABLE WATER LINE COPPER (TYPE L)



**Know what's below.
Call before you dig.**



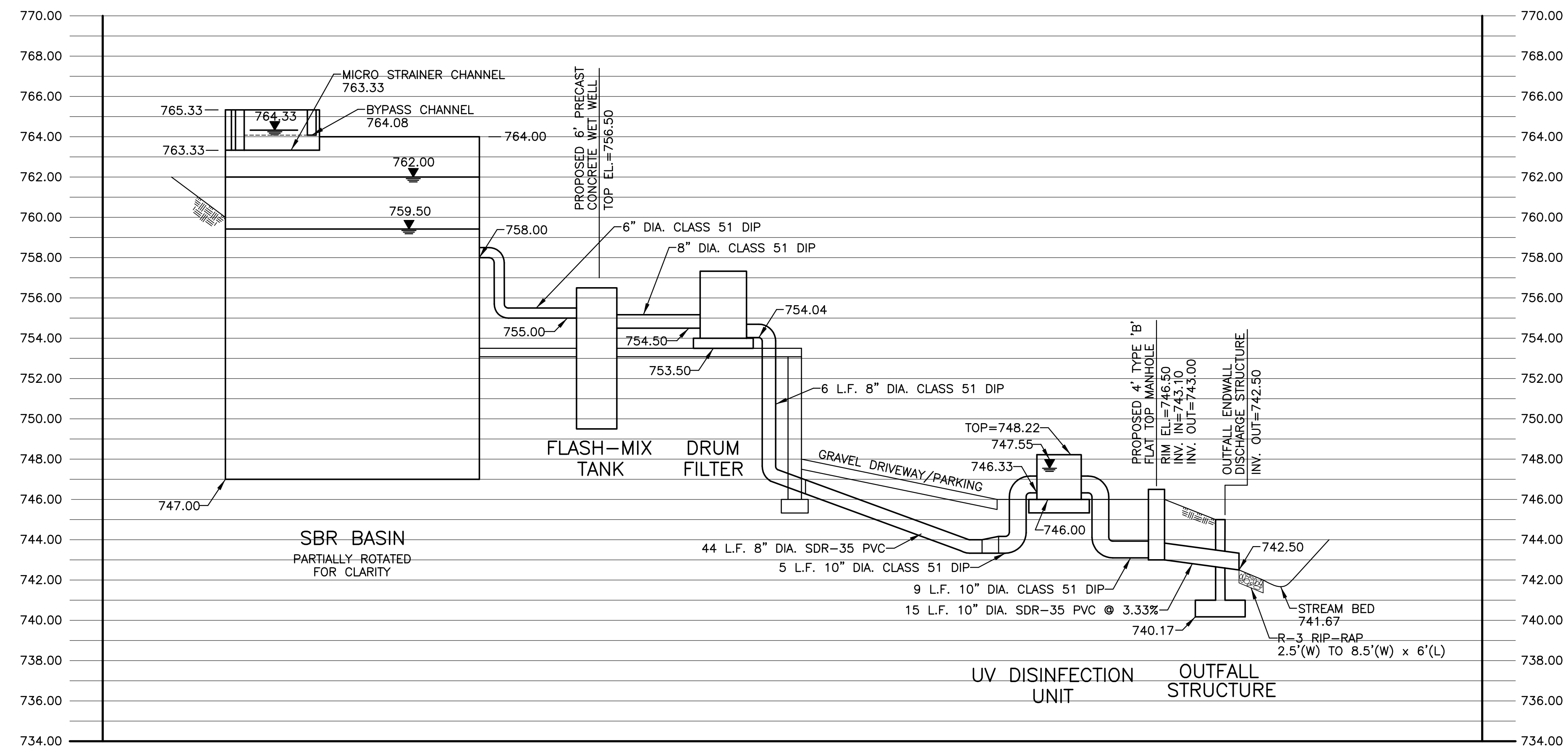
WM. F. HILL & ASSOC., INC.
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CIVIL ♦ MUNICIPAL ♦ ENVIRONMENTAL
GETTYSBURG, PA 17325
PH. (717) 334 - 9137

| PLAN PREPARATION | | REVISIONS | |
|------------------|-------------|-----------|-------------|
| DRAWN BY: | DATE: | NO. | DESCRIPTION |
| FSI | 09/01/11 | | |
| DESIGNED BY: | CHECKED BY: | | |
| PFH | WFH | | |

YARD PIPING PLAN

JOSHUA HILL SEWER COMPANY, LLC
WASTEWATER TREATMENT FACILITY
WEST MANHEIM TOWNSHIP, YORK COUNTY, PA

SCALE AS SHOWN
SHEET NO. 4 OF 31



HYDRAULIC PROFILE
 VERTICAL SCALE: 1" = 4'
 HORIZONTAL SCALE: 1" = N.T.S.

WM. F. HILL & ASSOC., INC.
 PROFESSIONAL ENGINEERS
 CIVIL ♦ MUNICIPAL ♦ ENVIRONMENTAL
 GETTYSBURG, PA 17325
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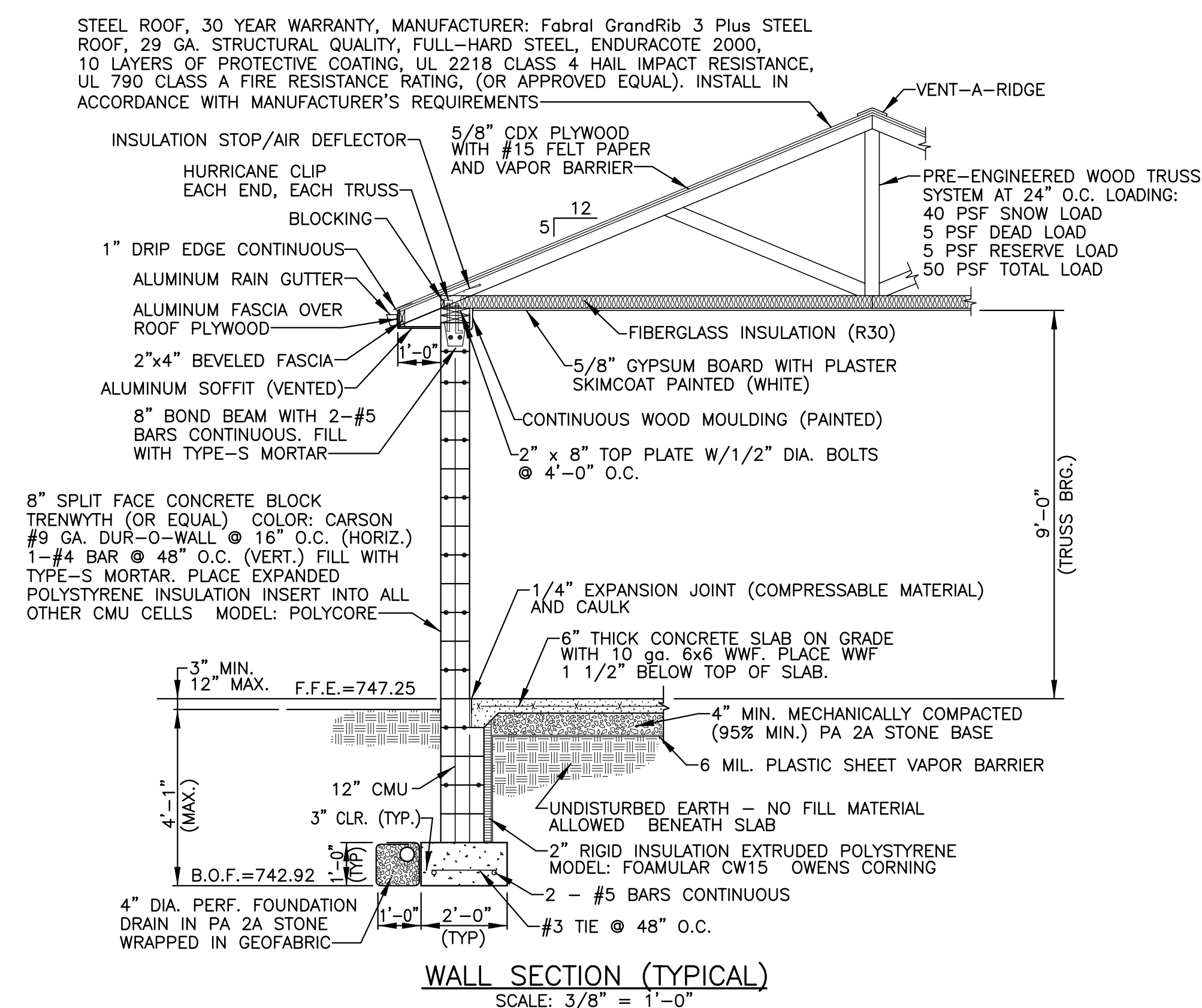
| PLAN PREPARATION | | REVISIONS | |
|------------------|-------------|-----------|-------------|
| DRAWN BY: | DATE: | NO. | DESCRIPTION |
| FSI | 09/01/11 | | |
| DESIGNED BY: | CHECKED BY: | | |
| PFH | WFH | | |

HYDRAULIC PROFILE

JOSHUA HILL SEWER COMPANY, LLC
 WASTEWATER TREATMENT FACILITY
 WEST MANHEIM TOWNSHIP, YORK COUNTY, PA

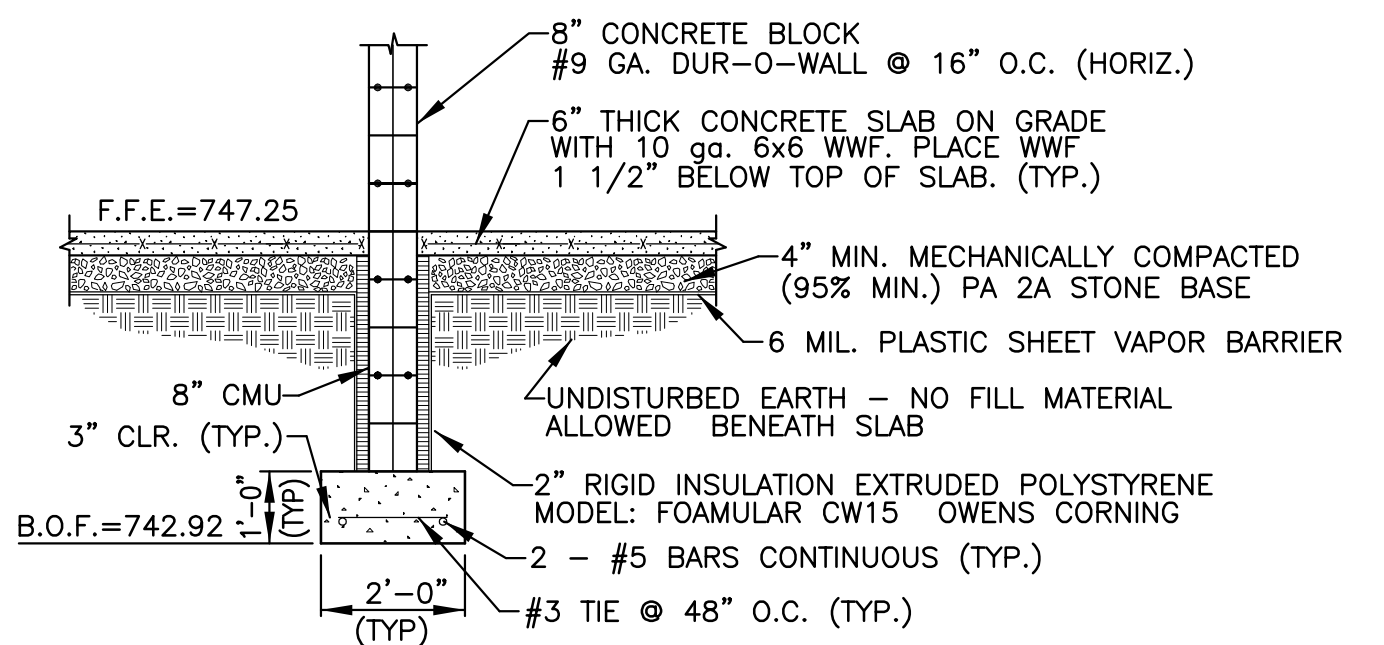
SCALE
AS SHOWN

SHEET NO.
5 OF 31

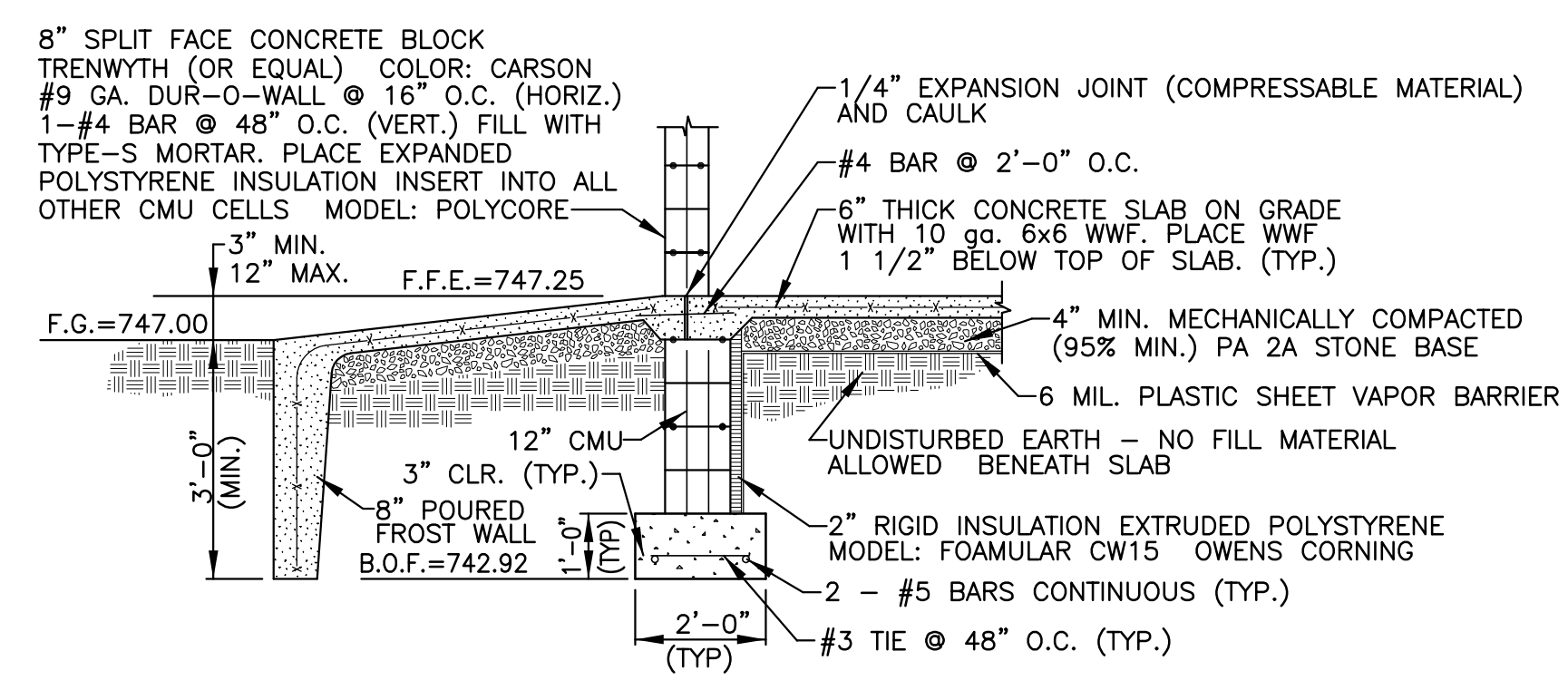


WALL SECTION (TYPICAL)
SCALE: 3/8" = 1'-0"

- NOTES:
1. CONTRACTOR SHALL PROVIDE TWO (2) ACCESS PANELS TO TRUSS AREA (ONE EACH AREA) PANELS TO BE 5/8" PLYWOOD - 22"x30".
2. PROVIDE PROTECTIVE COATING IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.



INTERIOR WALL SECTION
SCALE: 3/8" = 1'-0"



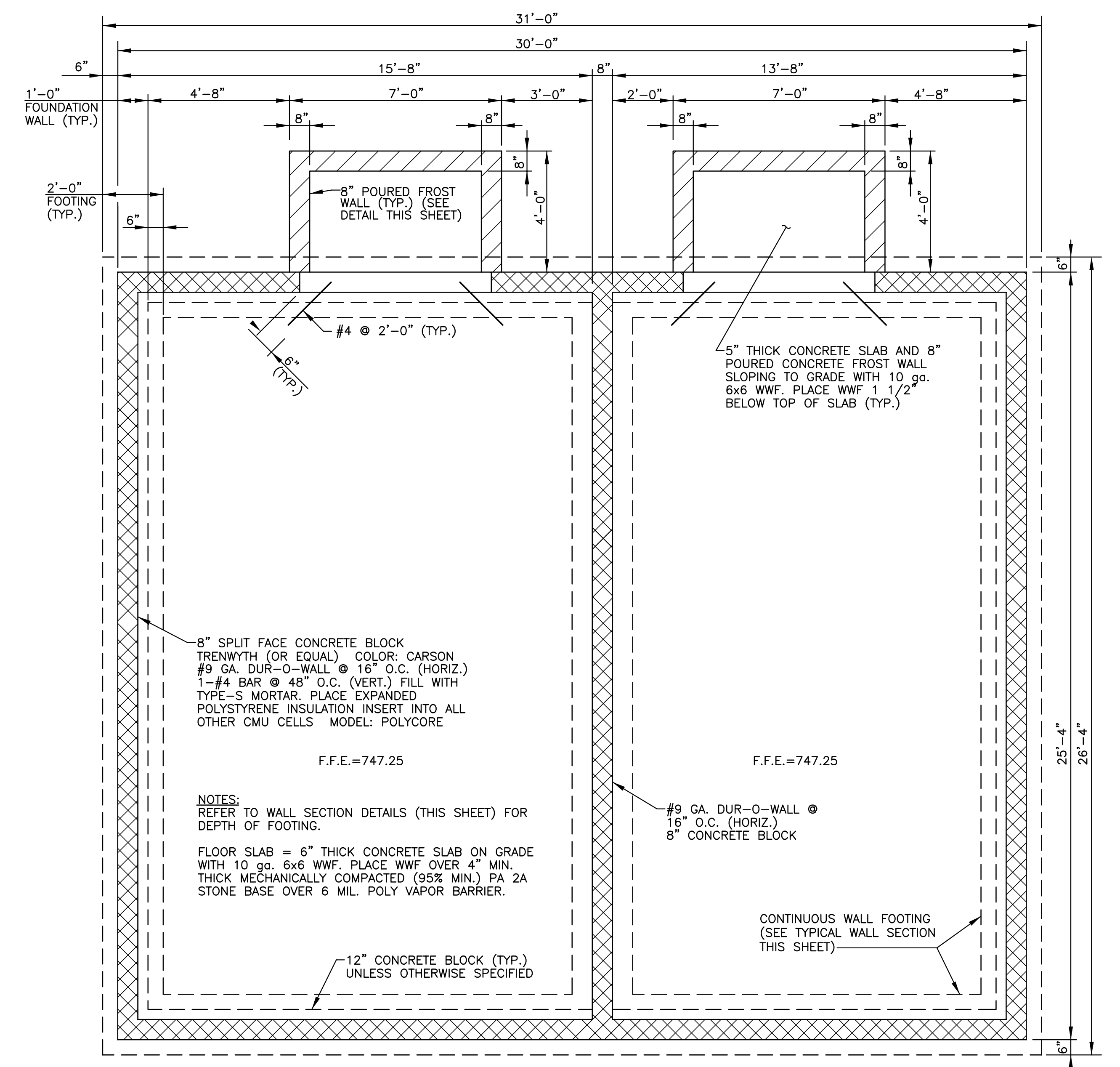
WALL SECTION AT ENTRANCE
SCALE: 3/8" = 1'-0"

PAINTING NOTES
THE FOLLOWING PAINTING SCHEDULE WILL BE OBSERVED. ALL COATING PRODUCTS SPECIFIED ARE MANUFACTURED BY THE TNEEC, CO., INC., KANSAS CITY, MISSOURI OR APPROVED EQUALS.

(INTERIOR WALLS - POROUS BLOCK)
SURFACE PREPARATION: SURFACE SHALL BE CLEAN/DRY
PRIME COAT: 130-660Z ENVIRO-FILL 75-85 SQ. FT./GAL.
FINISH COAT: 113-COLOR HI-BUILD TNEE-TUFCOAT** 4.0 - 6.0
** IF ROLLED, TWO COATS TO OBTAIN DFT

(METAL EQUIPMENT, MACHINERY AND PIPING - INTERIOR)
SURFACE PREPARATION: SSPC - SP6 COMMERCIAL BLAST CLEANING 2.0 - 3.0
SHOP PRIME: 37H - 77 CHEM-BUILD 2.0 - 3.0
FIELD SPOT PRIME: 161 - COLOR TNEE-FASCURE 2.0 - 3.0
FINISH COAT: 161 - COLOR TNEE-FASCURE 3.0 - 5.0

(PLASTER AND GYPSUM WALLBOARD)
SURFACE PREPARATION: SURFACE SHALL BE CLEAN/DRY (LIME PLASTER, 28 DAY CURE)
PRIME COAT: 51-792 PVA SEALER 2.0 - 3.0
FINISH COATS (2 COATS): 113 - COLOR TNEE-TUFCOAT 3.0 EACH



FOUNDATION PLAN
SCALE: 3/8" = 1'-0"

JEFFREY B. FERTICH, PE
26 NORTH FOURTH STREET
GETTYSBURG, PA 17325
717-337-1335

ENGINEER OF RECORD FOR
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STRUCTURAL
ENGINEERING
RESOURCES, LLC

WM. F. HILL & ASSOC., INC.
PROFESSIONAL ENGINEERS
CIVIL ♦ MUNICIPAL ♦ ENVIRONMENTAL
GETTYSBURG, PA 17325
PH. (717) 334 - 9137

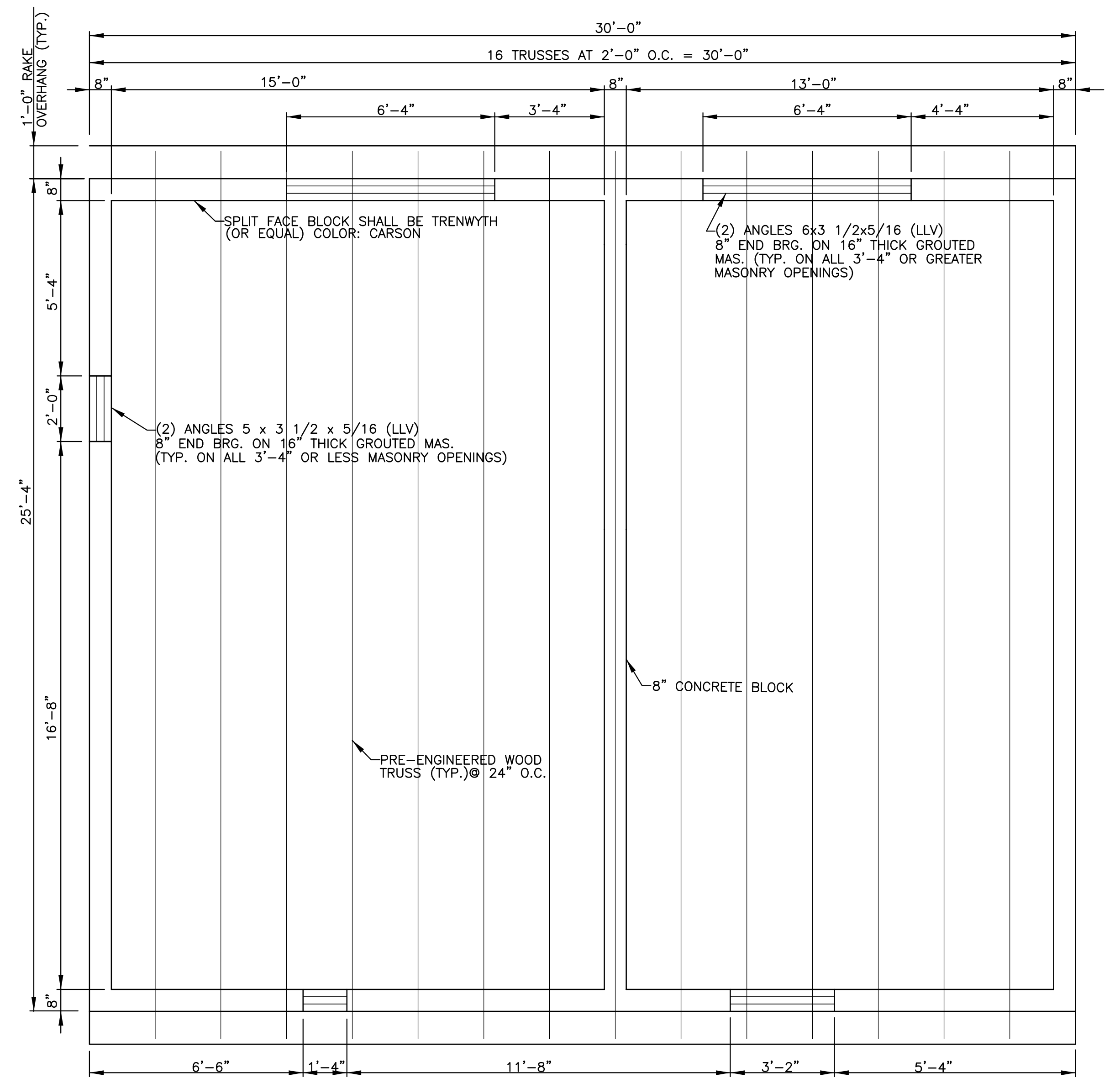
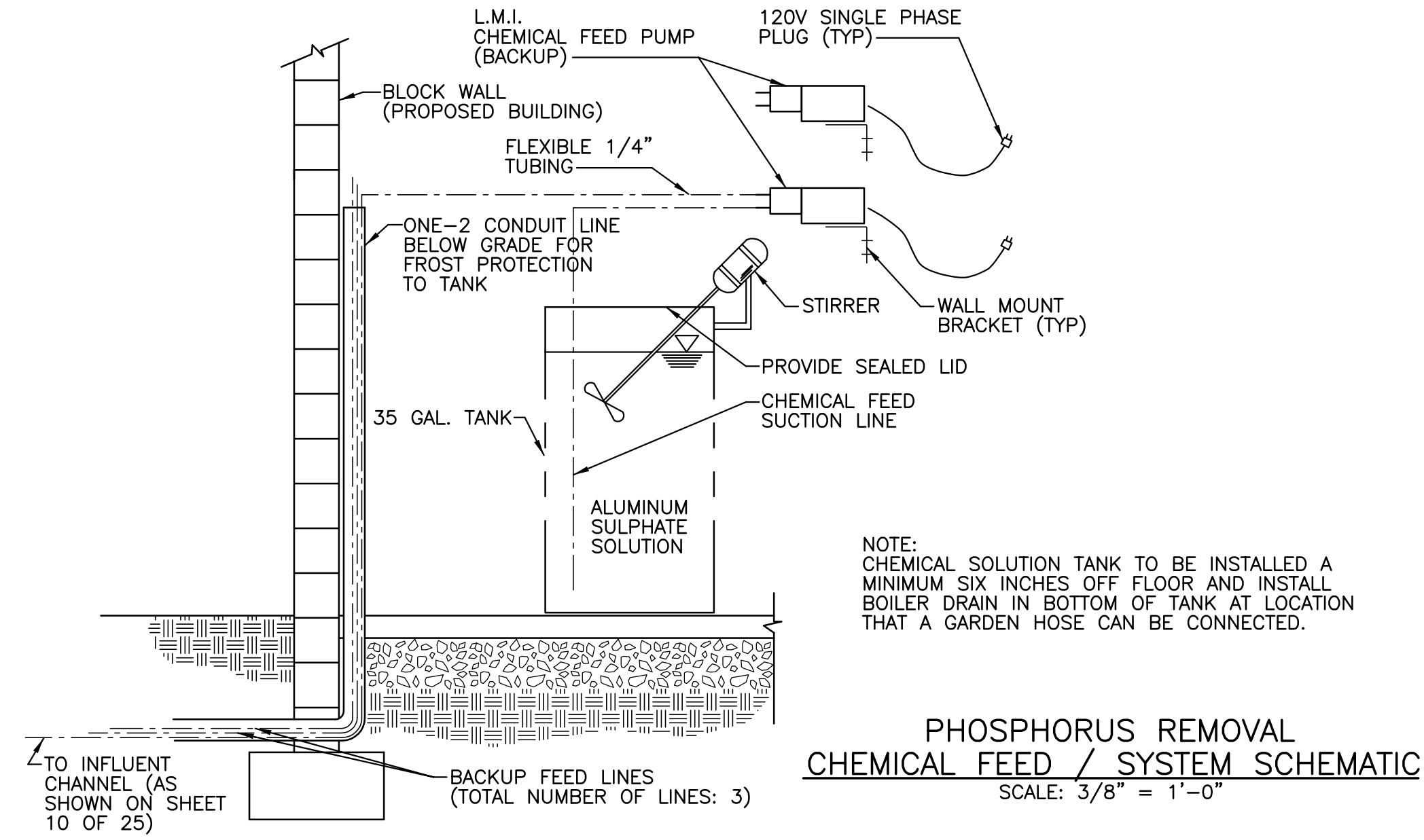
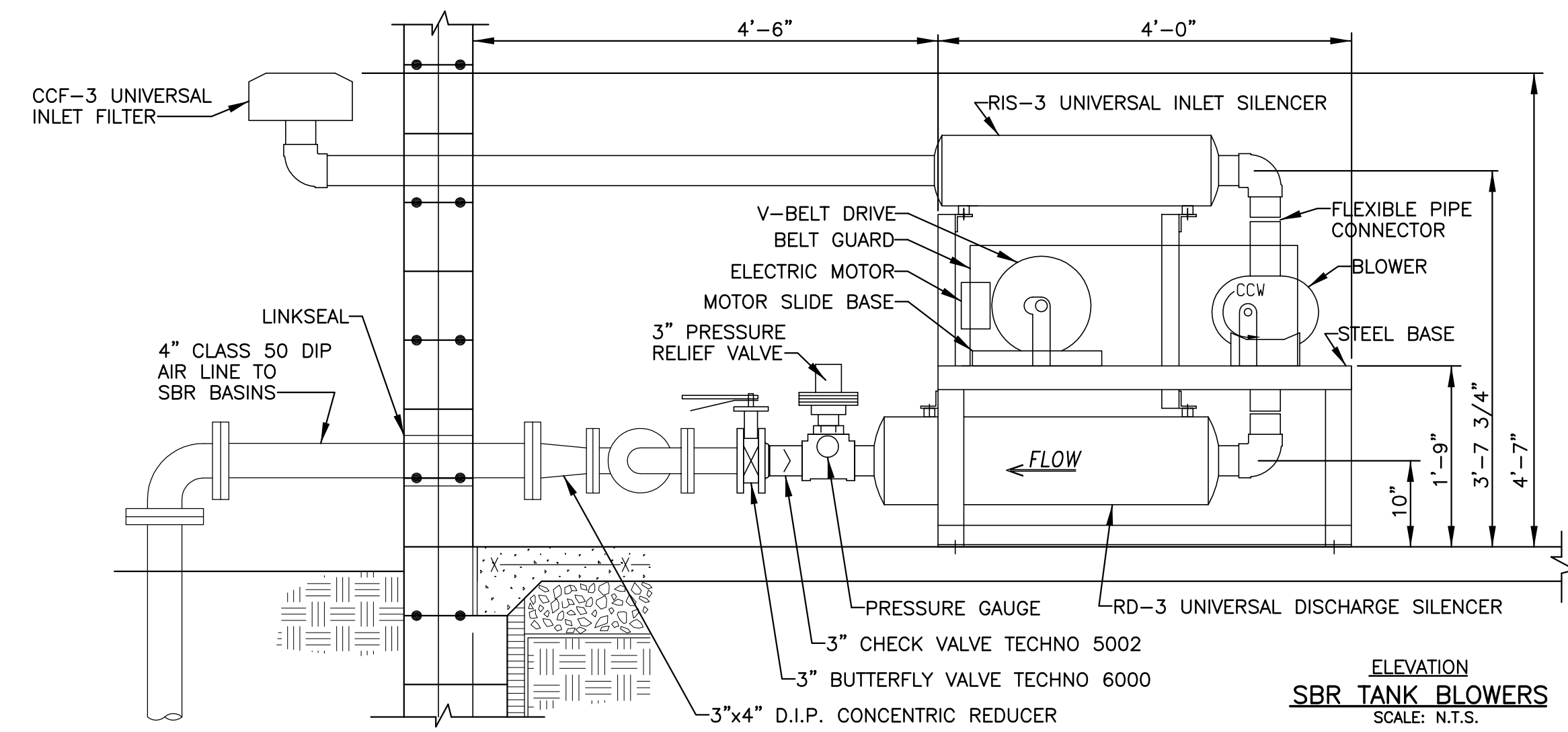
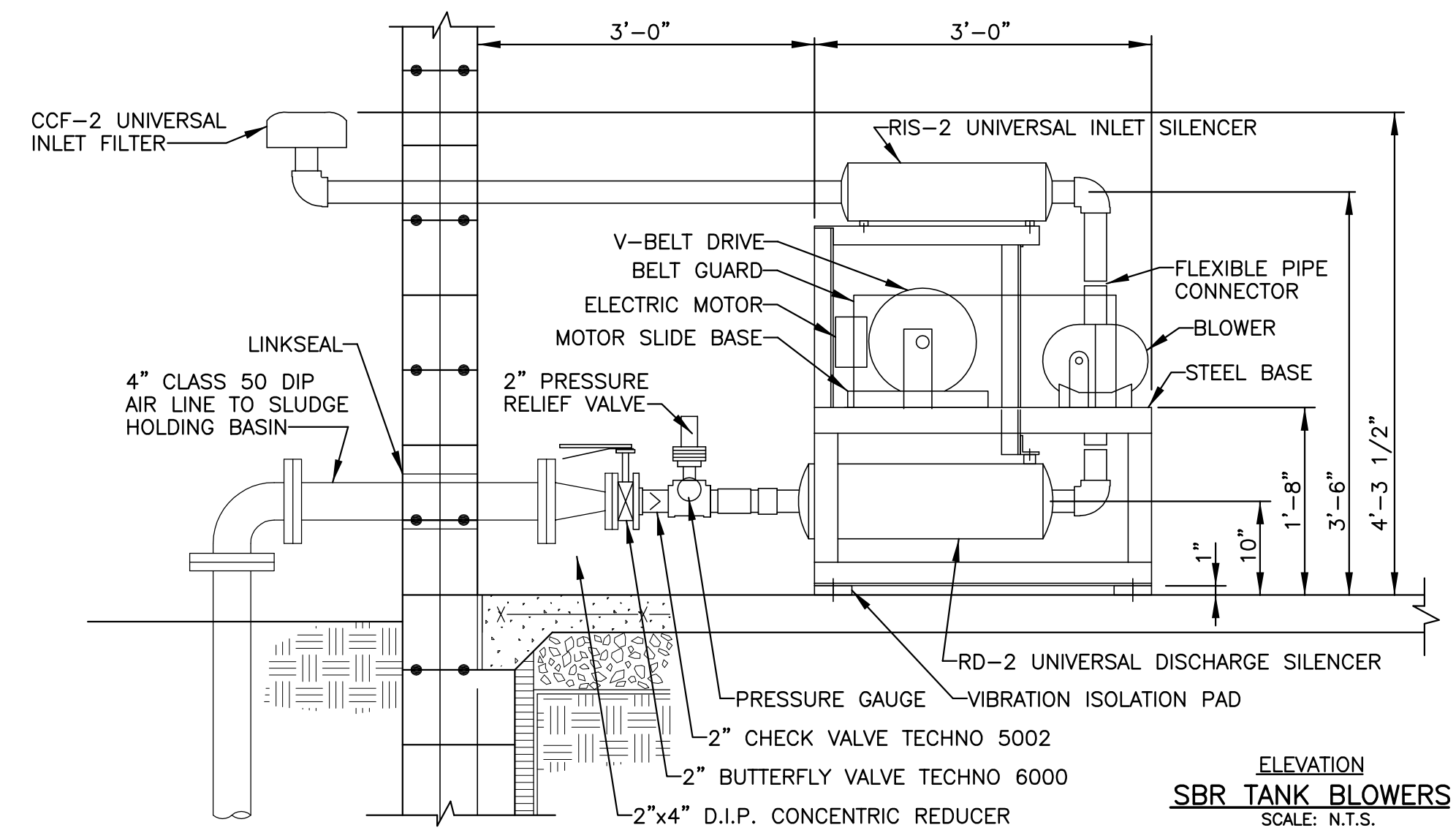
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|------------------|-------------|-----------|-------------|
| DRAWN BY: | DATE: | NO. | DESCRIPTION |
| FSI | 09/01/11 | | |
| DESIGNED BY: | CHECKED BY: | | |
| PFH | WPH | | |

**BLOWER/CONTROL BUILDING
FOUNDATION PLAN AND DETAILS**

JOSHUA HILL SEWER COMPANY, LLC
WASTEWATER TREATMENT FACILITY
WEST MANHEIM TOWNSHIP, YORK COUNTY, PA

SCALE
AS SHOWN

SHEET NO.
7 OF 31



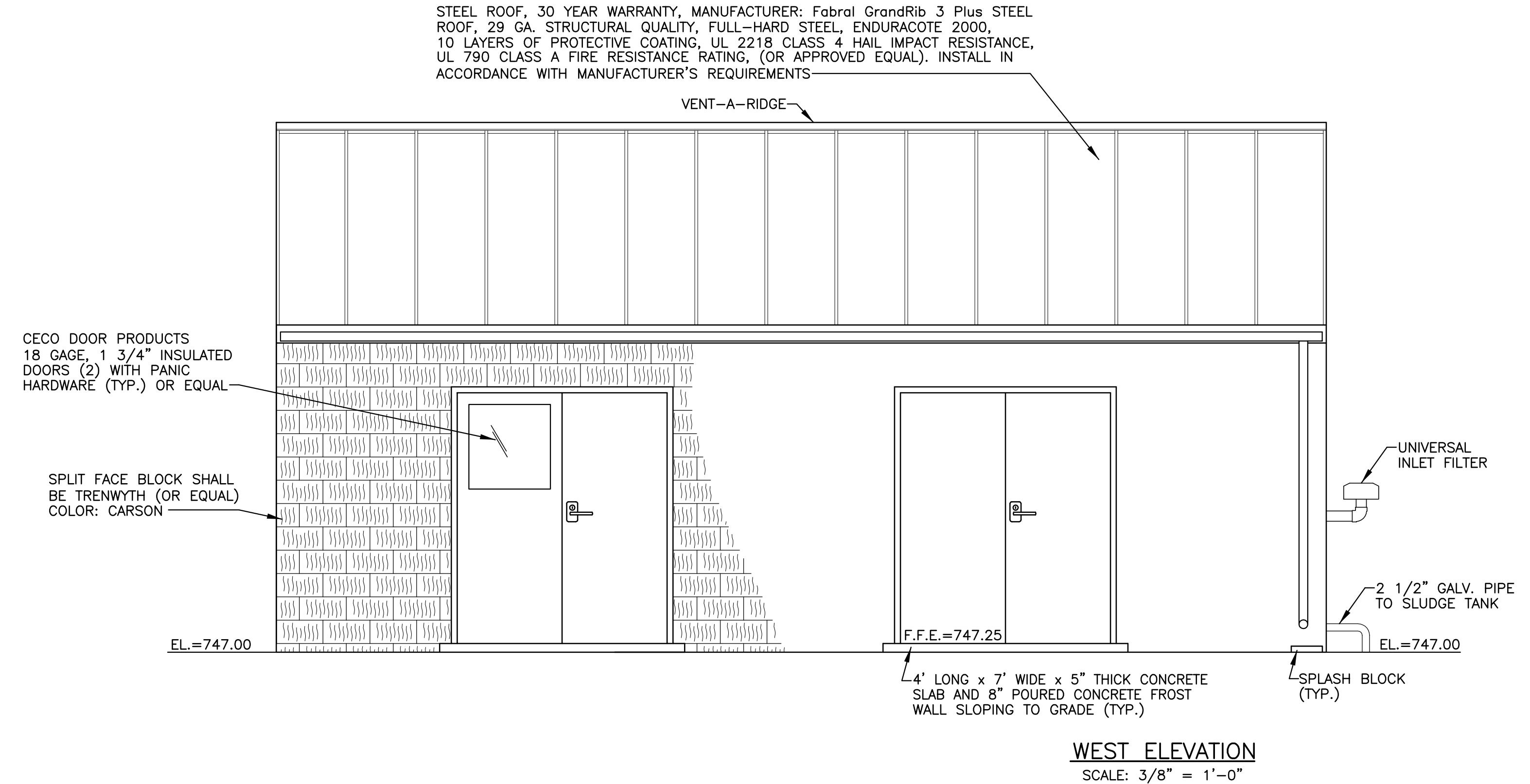
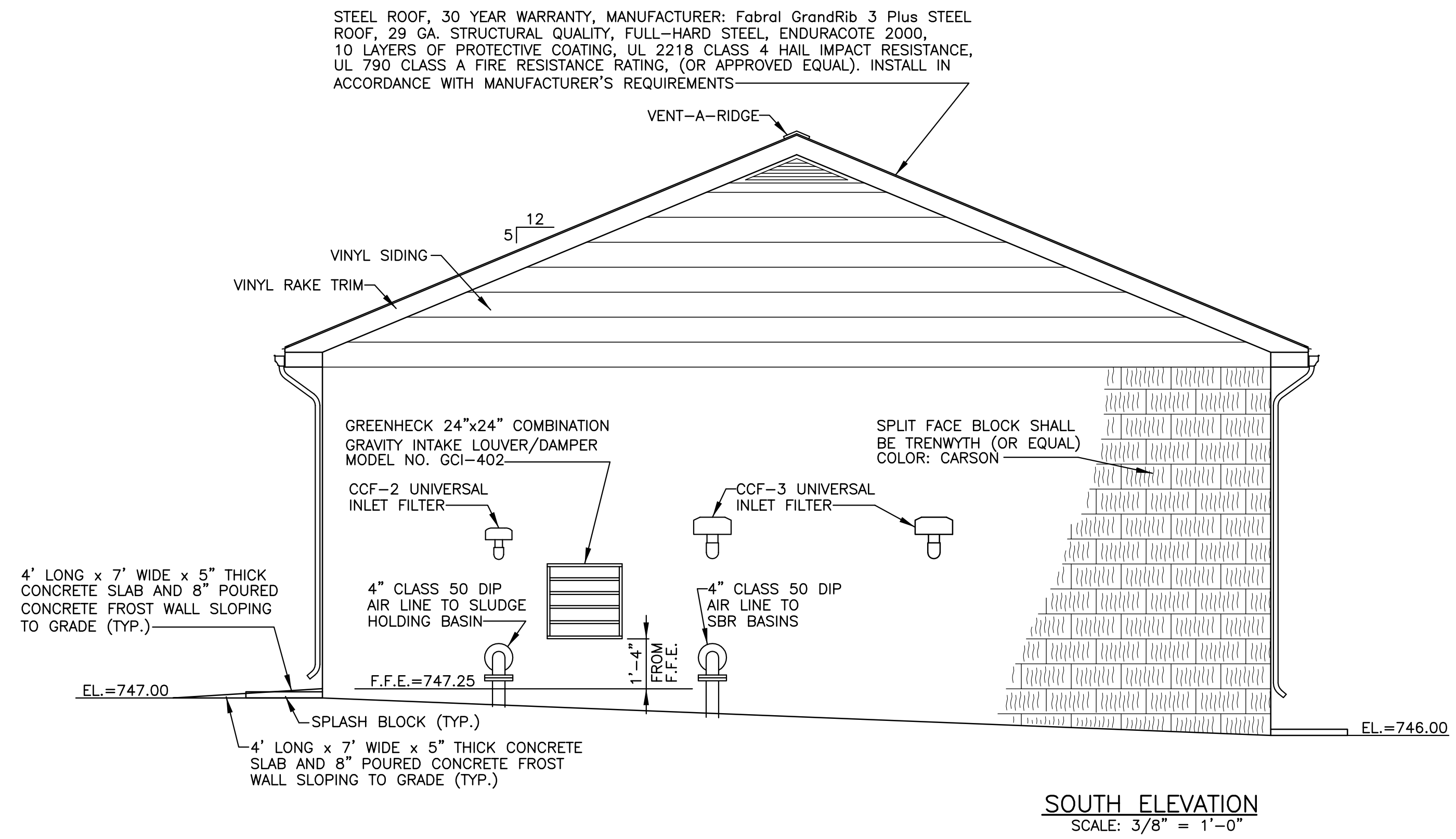
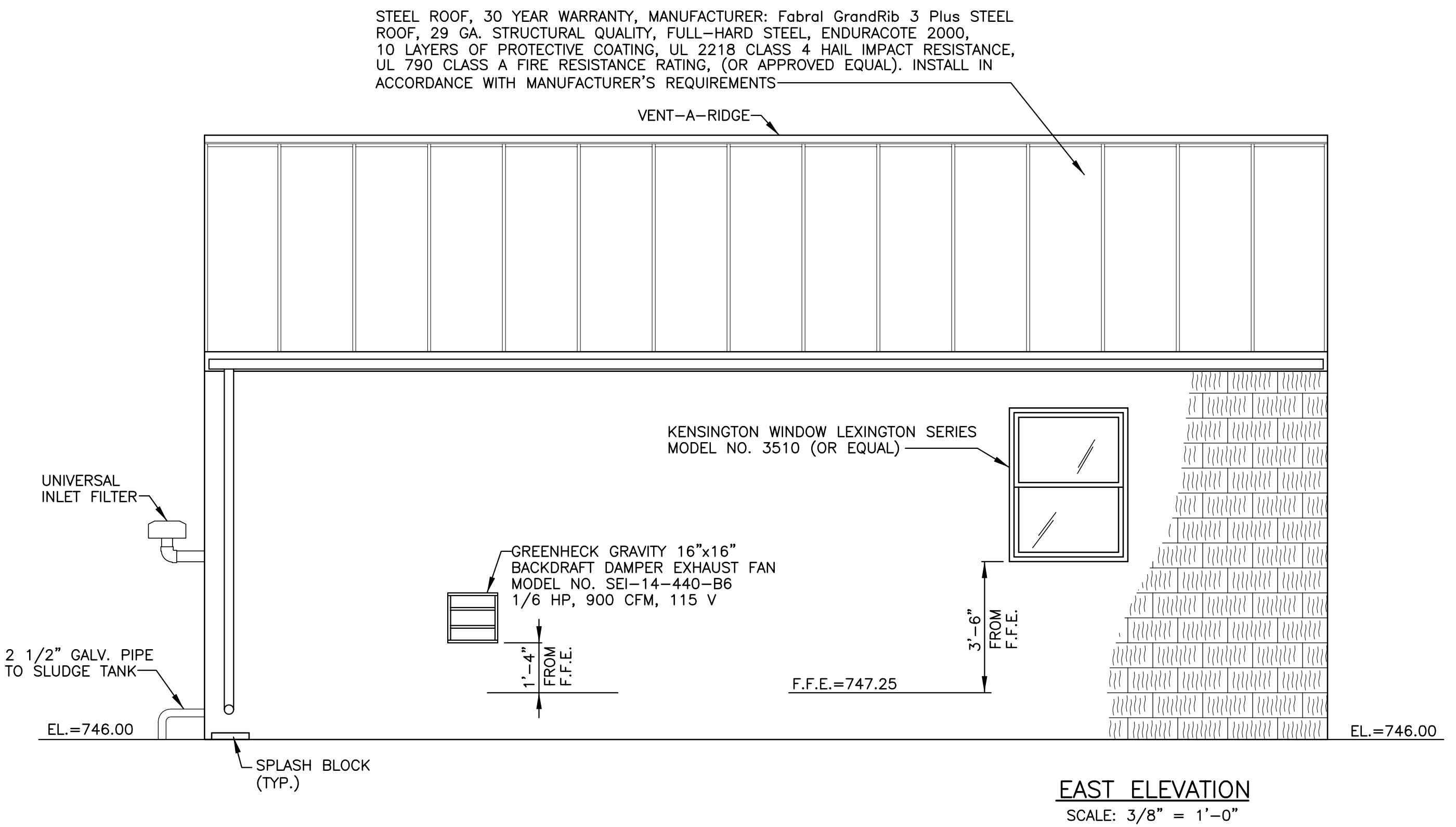
ROOF FRAMING PLAN
SCALE: 3/8" = 1'-0"

WM. F. HILL & ASSOC., INC.
PROFESSIONAL ENGINEERS
CIVIL ♦ MUNICIPAL ♦ ENVIRONMENTAL
GETTYSBURG, PA 17325
PH. (717) 334 - 9137

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| DRAWN BY: | DATE: | NO. | DESCRIPTION |
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| DESIGNED BY: | CHECKED BY: | | |
| PFH | WPH | | |

**BLOWER/CONTROL BUILDING
ROOF FRAMING PLAN AND DETAILS**
JOSHUA HILL SEWER COMPANY, LLC
WASTEWATER TREATMENT FACILITY
WEST MANHEIM TOWNSHIP, YORK COUNTY, PA

SCALE
AS SHOWN
SHEET NO.
8 OF 31



NOTES:
1. SPLIT FACE CONCRETE BLOCK TO INCLUDE W.R. GRACE DRY BLOCK ADDITIVE FOR LONG TERM WATER PROOFING. MORTAR TO INCLUDE W.R. GRACE DRY BLOCK MORTAR ADDITIVE.

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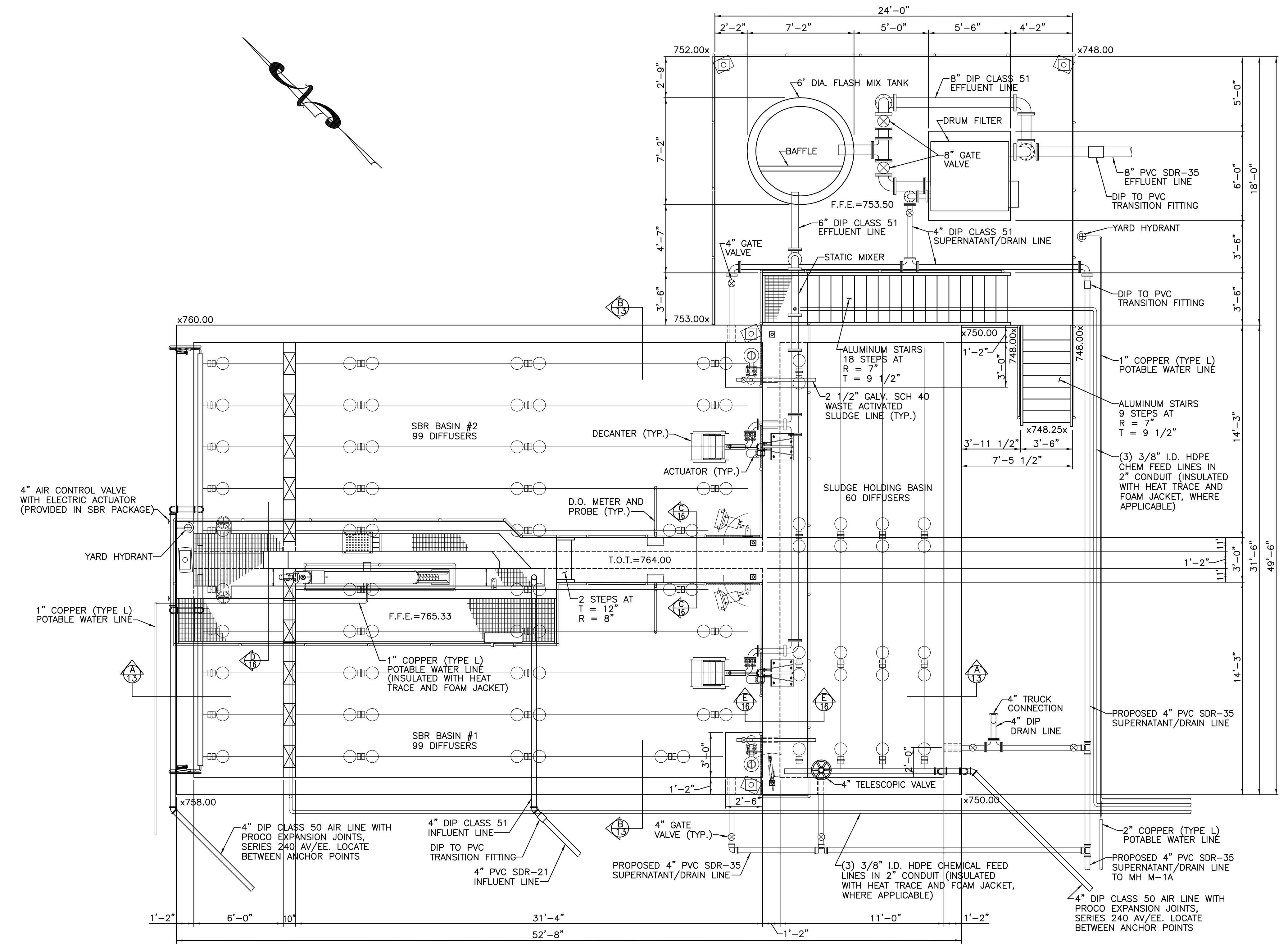
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| FSI | 09/01/11 | | |
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BLOWER/CONTROL BUILDING ELEVATIONS


JOSHUA HILL SEWER COMPANY, LLC
WASTEWATER TREATMENT FACILITY
WEST MANHEIM TOWNSHIP, YORK COUNTY, PA

SCALE AS SHOWN

SHEET NO. 9 OF 31



PLAN VIEW
SCALE: 1/4" = 1'-0"

| | |
|--|---|
| JEFFREY B. FERTICH, PE 26 NORTH FOURTH STREET GETTYSBURG, PA 17325 717-337-1335 |  STRUCTURAL ENGINEERING RESOURCES, LLC |
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 PH. (717) 334 - 9137

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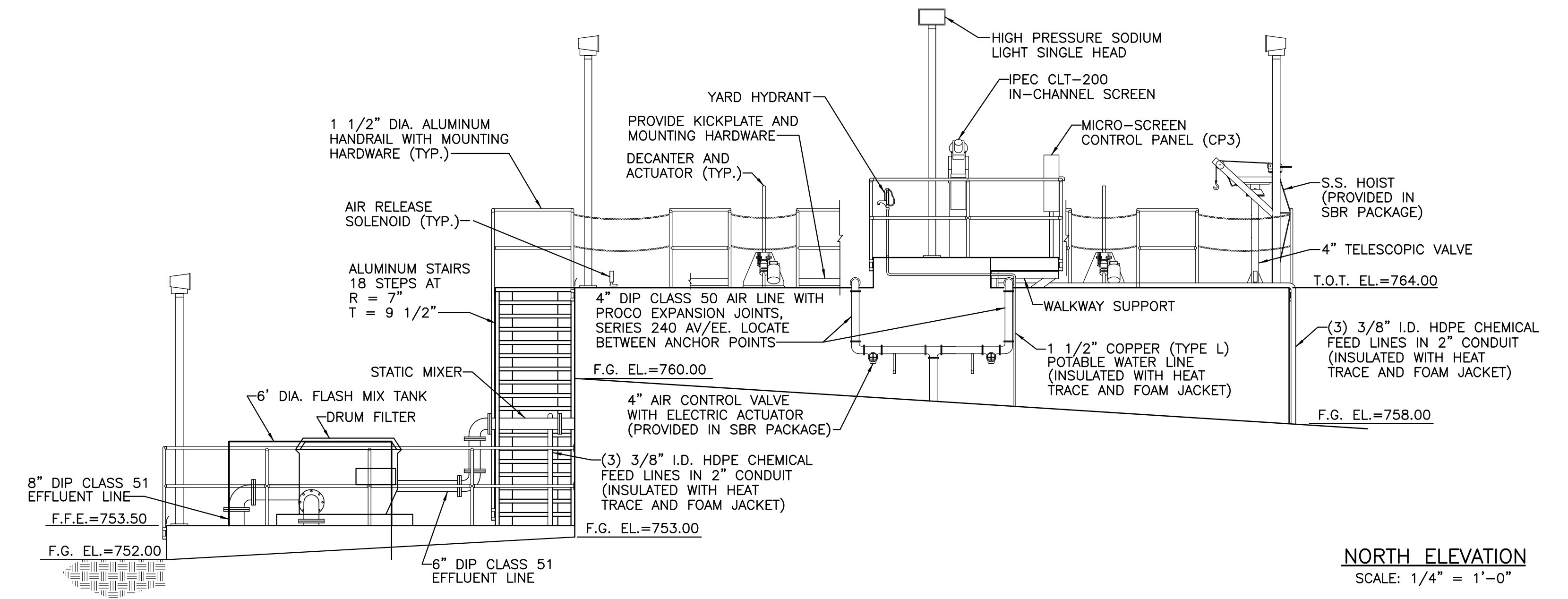
| | |
|---|-------------------|
| ICEAS SBR TANK PLAN VIEW | SCALE AS SHOWN |
| JOSHUA HILL SEWER COMPANY, LLC WASTEWATER TREATMENT FACILITY WEST MANHEIM TOWNSHIP, YORK COUNTY, PA | |
| SHEET NO. 10 OF 31 | |

- NOTES:
CONCRETE TANK PROTECTIVE COATINGS:
- EXTERIOR (BELOW GRADE)
SURFACE PREPARATION: SURFACE SHALL BE CLEAN/DRY. 28 DAY CURE NEW

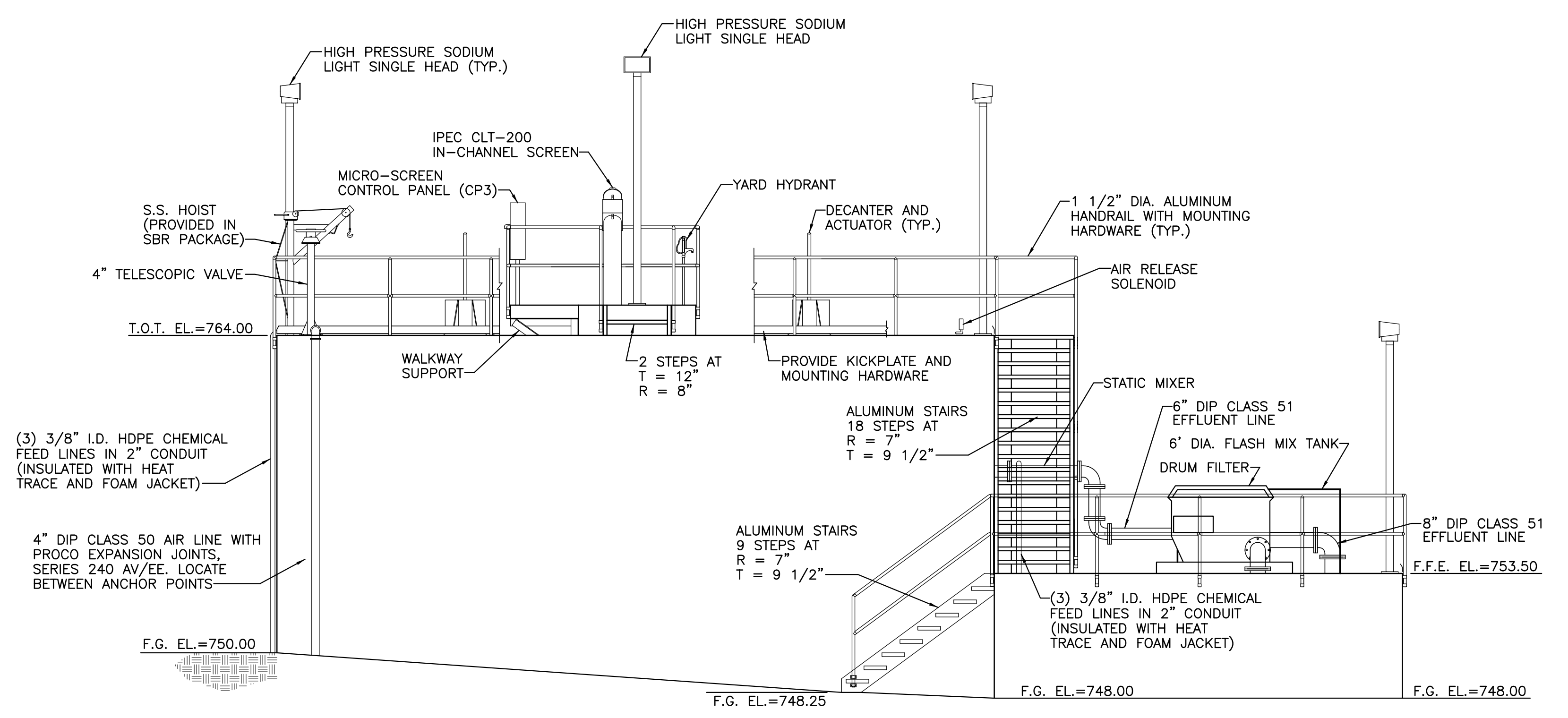
FINISH COAT: 46H-413 HI-BUILD
T.N.E.M.E. - TAR, 14.0-20.0 MILS
DRY FILM THICKNESS
 - TOP TANK WALL AND TANK INTERIOR SURFACES

SURFACE PREPARATION: CLEAN AND FREE OF LAITANCE, DIRT, FILMS, PAINT, COATINGS OR OTHER MATTER IF SURFACES ARE TOO SMOOTH, THE CONCRETE SHOULD BE ACID ETCHED OR LIGHTLY SAND OR WATER BLASTED.

COATINGS:
FIRST COAT: XYPEX CONCENTRATE
1.25 - 1.50 LBS/SQ YD
SECOND COAT: XYPEX MODIFIED
1.25 - 1.50 LBS/SQ YD
 - COPPER TYPE L FOR WATER SERVICE



NORTH ELEVATION
SCALE: 1/4" = 1'-0"



SOUTH ELEVATION
SCALE: 1/4" = 1'-0"

WM. F. HILL & ASSOC., INC.
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GETTYSBURG, PA 17325
PH. (717) 334 - 9137

| PLAN PREPARATION | | REVISIONS | |
|------------------|-------------|-----------|-------------|
| DRAWN BY: | DATE: | NO. | DESCRIPTION |
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| DESIGNED BY: | CHECKED BY: | | |
| PFH | WPH | | |

ICEAS SBR TANK ELEVATIONS

JOSHUA HILL SEWER COMPANY, LLC
WASTEWATER TREATMENT FACILITY
WEST MANHEIM TOWNSHIP, YORK COUNTY, PA

SCALE
AS SHOWN

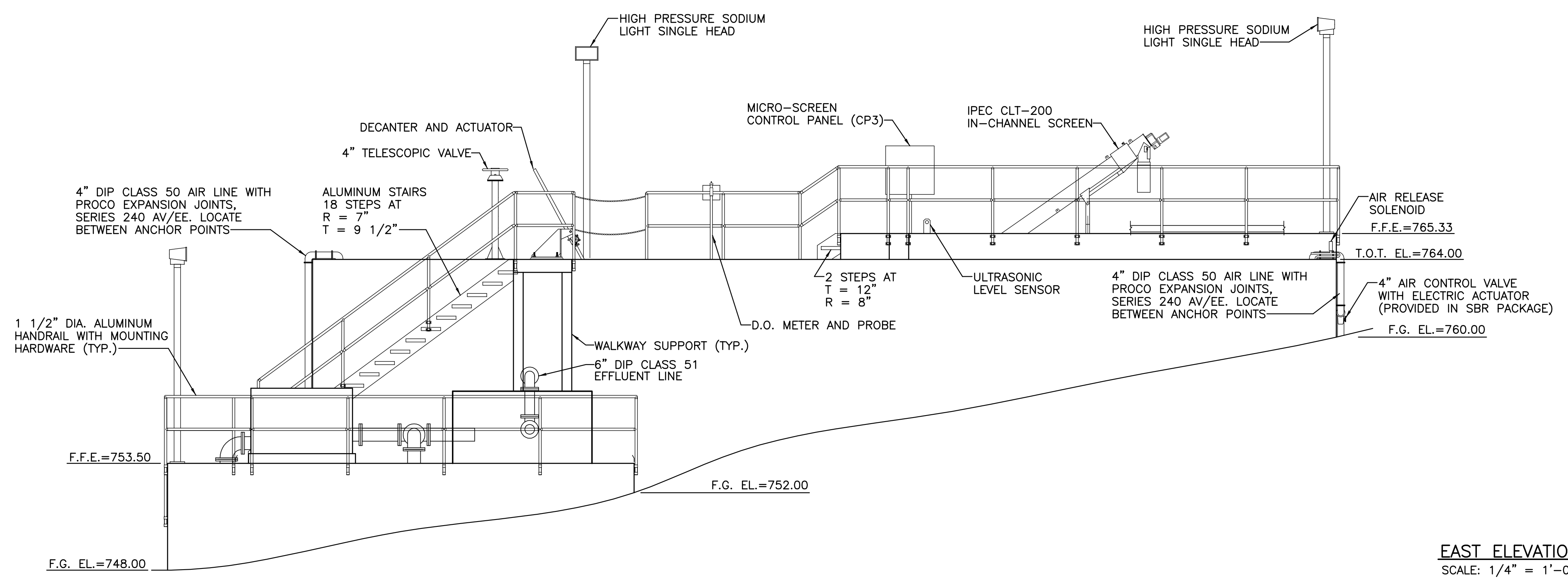
SHEET NO.
11 OF 31

- NOTES:**
CONCRETE TANK PROTECTIVE COATINGS:
- EXTERIOR (BELOW GRADE)
SURFACE PREPARATION: SURFACE SHALL BE CLEAN/DRY. 28 DAY CURE NEW

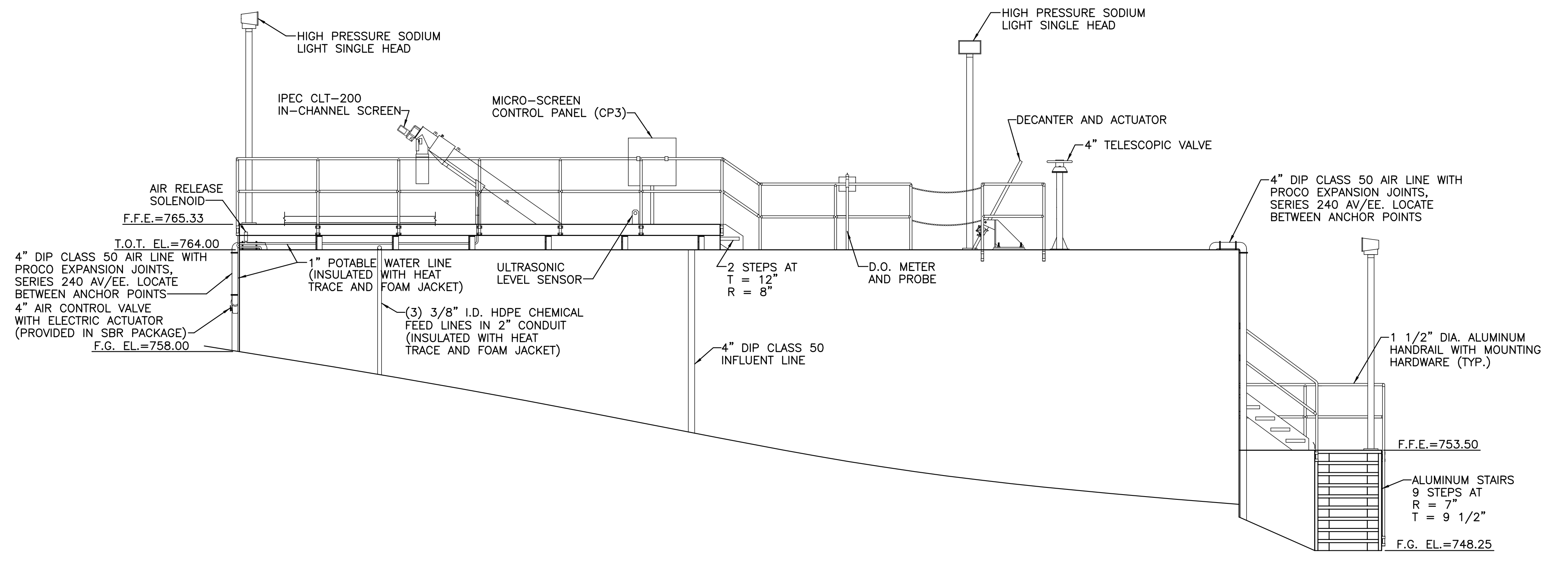
FINISH COAT: 46H-413 HI-BUILD
TNAME - TAR, 14.0-20.0 MILS
DRY FILM THICKNESS
 - TOP TANK WALL AND TANK INTERIOR SURFACES

SURFACE PREPARATION: CLEAN AND FREE OF LAITANCE, DIRT, FILMS, PAINT, COATINGS OR OTHER MATTER IF SURFACES ARE TOO SMOOTH, THE CONCRETE SHOULD BE ACID ETCHED OR LIGHTLY SAND OR WATER BLASTED.

COATINGS:
FIRST COAT: XYPEX CONCENTRATE
1.25 - 1.50 LBS/SQ YD
SECOND COAT: XYPEX MODIFIED
1.25 - 1.50 LBS/SQ YD
 - COPPER TYPE L FOR WATER SERVICE



EAST ELEVATION
SCALE: 1/4" = 1'-0"



WEST ELEVATION
SCALE: 1/4" = 1'-0"

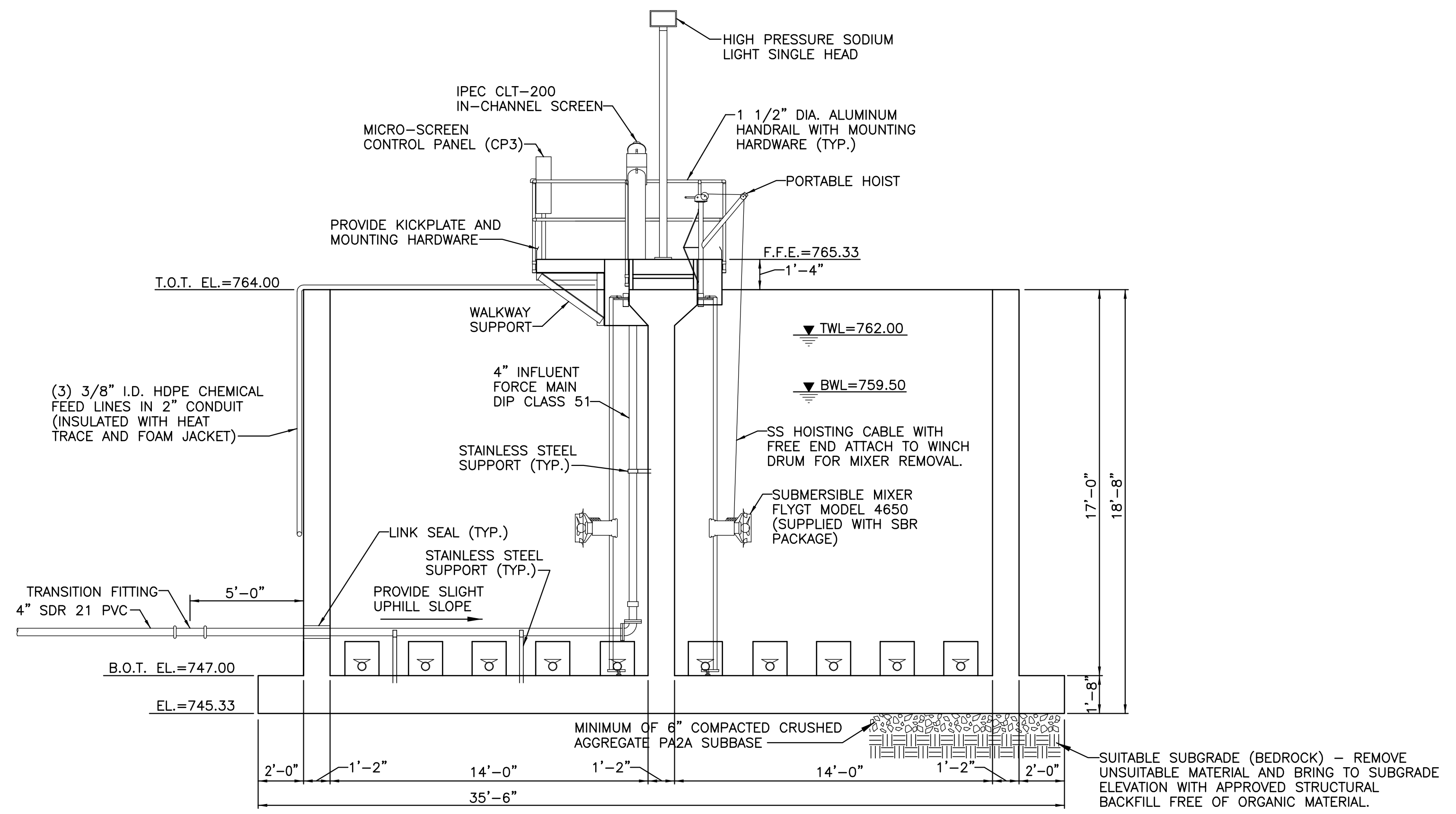
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GETTYSBURG, PA 17325
PH. (717) 334 - 9137

| PLAN PREPARATION | | REVISIONS | |
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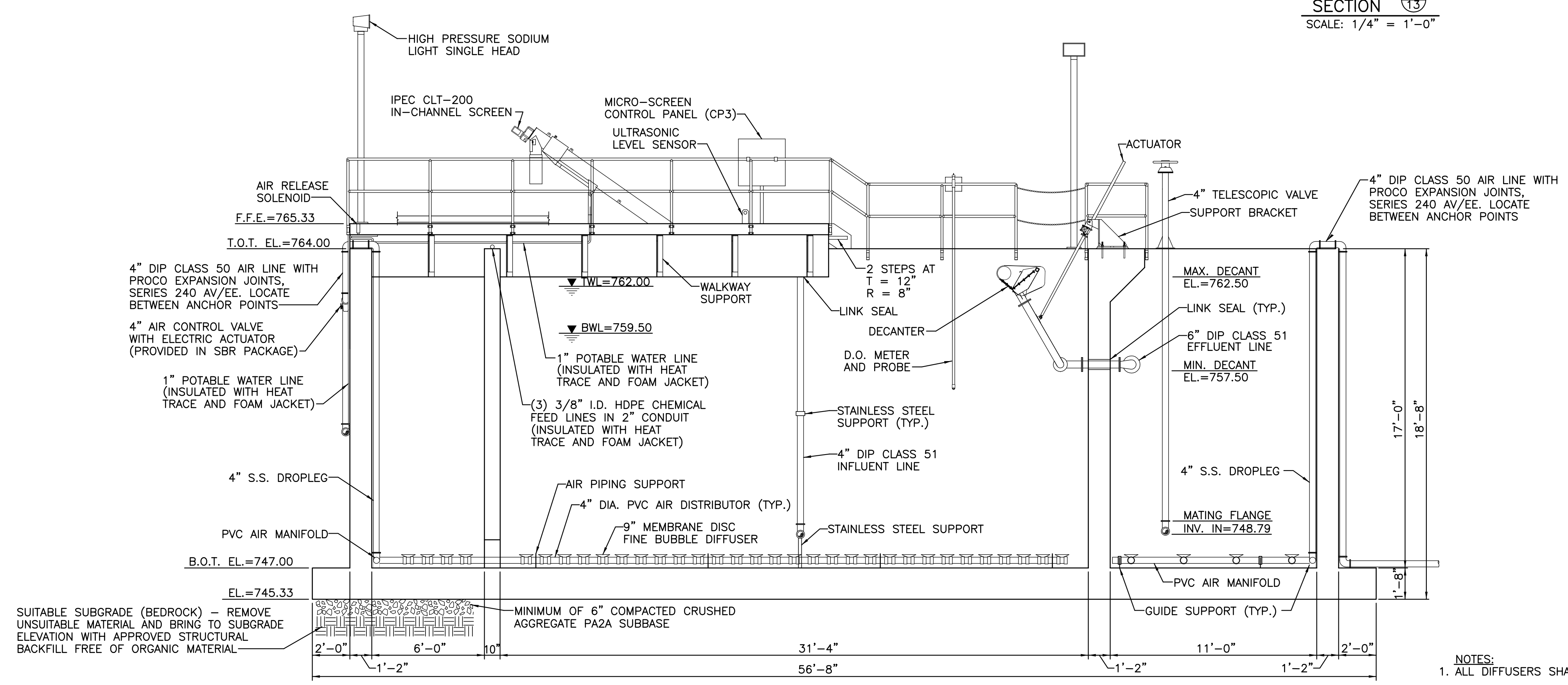
ICEAS SBR TANK ELEVATIONS

JOSHUA HILL SEWER COMPANY, LLC
WASTEWATER TREATMENT FACILITY
WEST MANHEIM TOWNSHIP, YORK COUNTY, PA

SCALE AS SHOWN
SHEET NO. 12 OF 31



SECTION **B13**
SCALE: 1/4" = 1'-0"



SECTION **A13**
SCALE: 1/4" = 1'-0"

- NOTES:
1. ALL DIFFUSERS SHALL BE LEVEL PRIOR TO START-UP.
2. SEE HANDLING INSTRUCTIONS IN SPECIFICATIONS.

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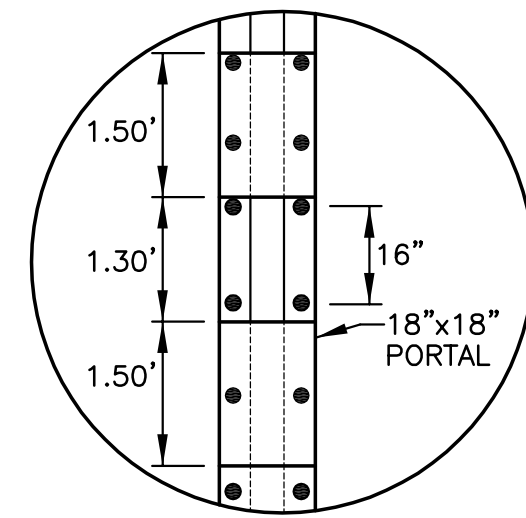
| PLAN PREPARATION | | REVISIONS | |
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| DRAWN BY: | DATE: | NO. | DESCRIPTION |
| FSI | 09/01/11 | | |
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ICEAS SBR TANK SECTIONS

SCALE AS SHOWN

JOSHUA HILL SEWER COMPANY, LLC
WASTEWATER TREATMENT FACILITY
WEST MANHEIM TOWNSHIP, YORK COUNTY, PA

SHEET NO.
13 OF 31

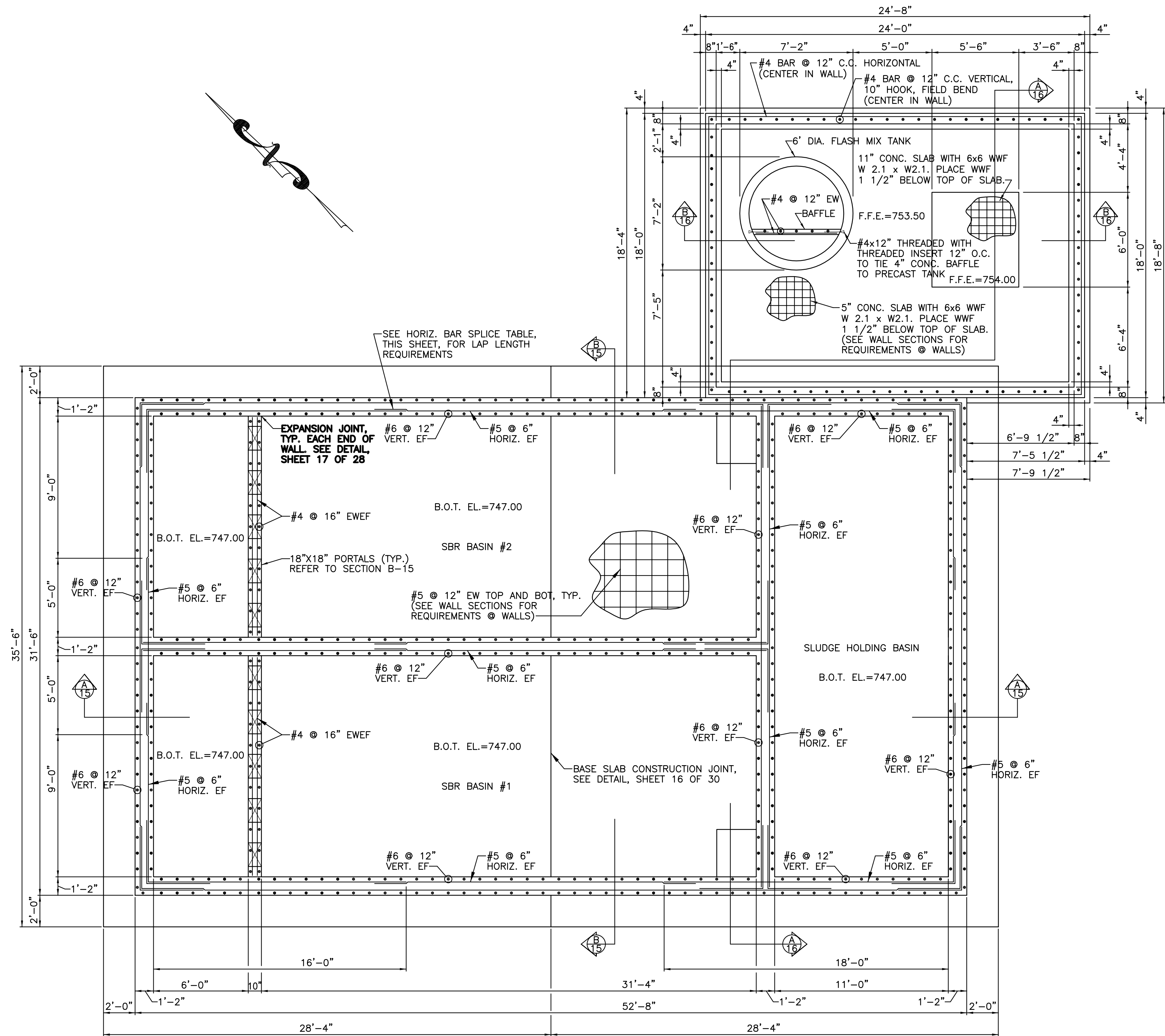


PRE-REACT WALL DETAIL
SCALE: N.T.S.

- NOTES:**
1. BARS NOTED IN PLAN DENOTE BARS REQUIRED FOR ENTIRE LENGTH OF WALL BETWEEN NEAREST ADJACENT CONSTRUCTION JOINT OR CORNER.
 2. HORIZONTAL BARS NOTED ARE REQUIRED FOR THE FULL HEIGHT OF THE WALL.
 3. SEE WALL SECTIONS FOR VERTICAL BAR LAP LENGTHS AND SIZES ABOVE THE BASE SLAB.
 4. USE METAL CHAIRS FOR SUPPORT OF BASE SLAB BAR MATS.
 5. WALL FORM TIES MUST HAVE CONE SHAPED ENDS THAT WHEN REMOVED, DO NOT CAUSE SPALLING OF THE CONCRETE SURFACE. THE EMBEDDED PORTION OF THE TIE SHALL TERMINATE A MINIMUM OF 1.5" BELOW THE WALL SURFACE. PATCH ALL FORM TIE HOLES WITH NON-SHRINK GROUT.
 6. THE TANK BASE SLAB SHALL BE PLACED ON 6" OF COMPACTED PA 2B STONE OVER ORIGINAL EARTH SUBGRADE OF 5000 PSF BEARING CAPACITY TO BE CONFIRMED IN THE FIELD BY THE GEOTECHNICAL ENGINEER.
 7. JOINT SEALANT SHALL BE A POLYURETHANE-BASE, NON-SAG ELASTOMERIC SEALANT (SIKAFLEX -1A OR EQUAL).
 8. THE TANK BASE SLAB SHALL RECEIVE A MACHINE-TROWLED FINISH.
 9. THE TANK WALLS SHALL RECEIVE A SMOOTH RUBBED FINISH FOR ALL EXPOSED SURFACES AND A SMOOTH FORMED FINISH FOR UNEXPOSED SURFACES.
 10. CHAIRS SHALL BE PROVIDED TO SUPPORT BASE SLAB REINFORCEMENT AND WALL REINFORCEMENT.

| HORIZONTAL BAR SPLICE TABLE | |
|-----------------------------|---------------|
| BAR SIZE | SPLICE LENGTH |
| #5 | 20" |
| #6 | 24" |
| #7 | 30" |

NOTE:
WHEN SPLICING DIFFERENT BAR SIZES, USE SPLICE LENGTH FOR LARGER BAR.



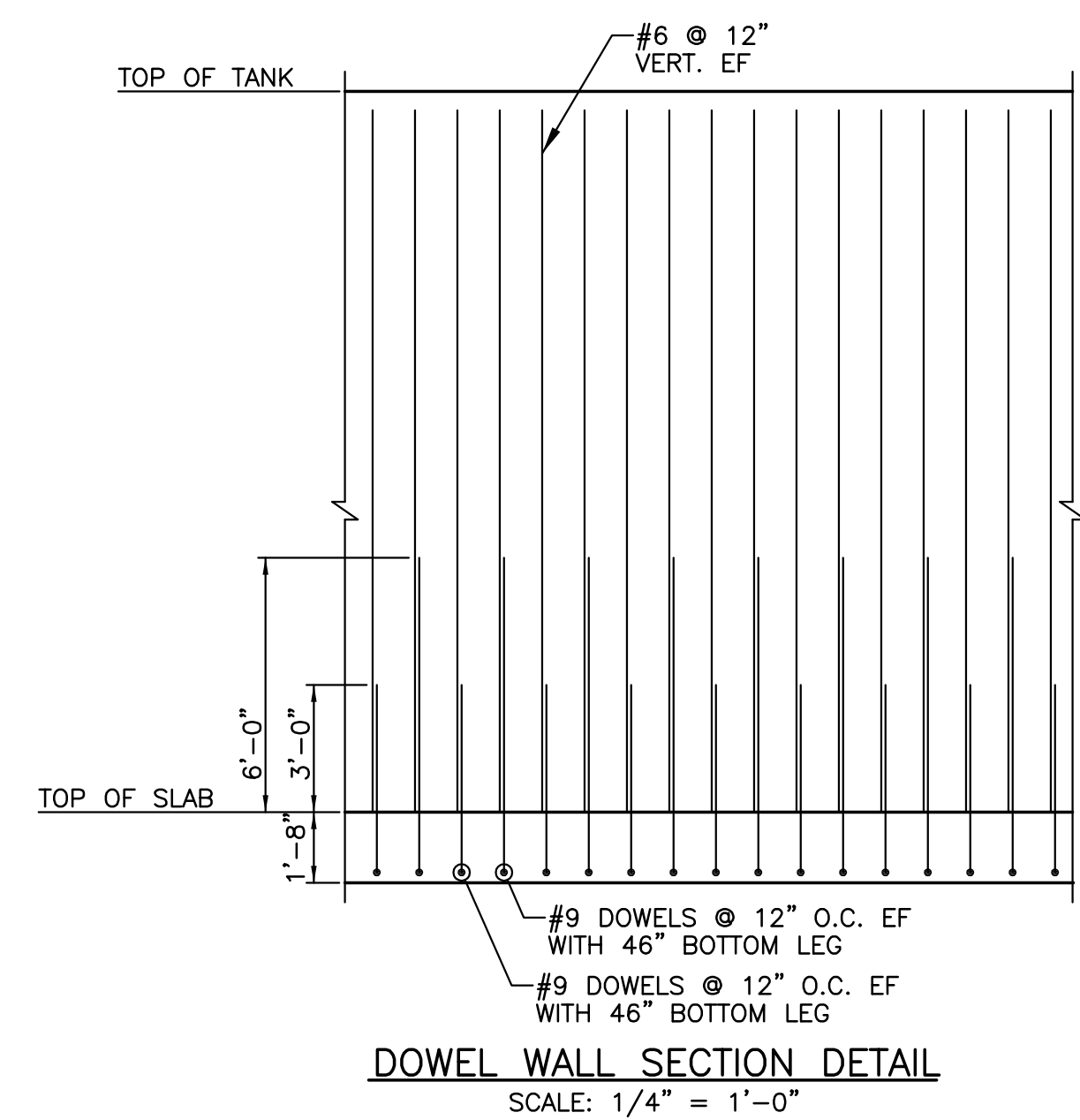
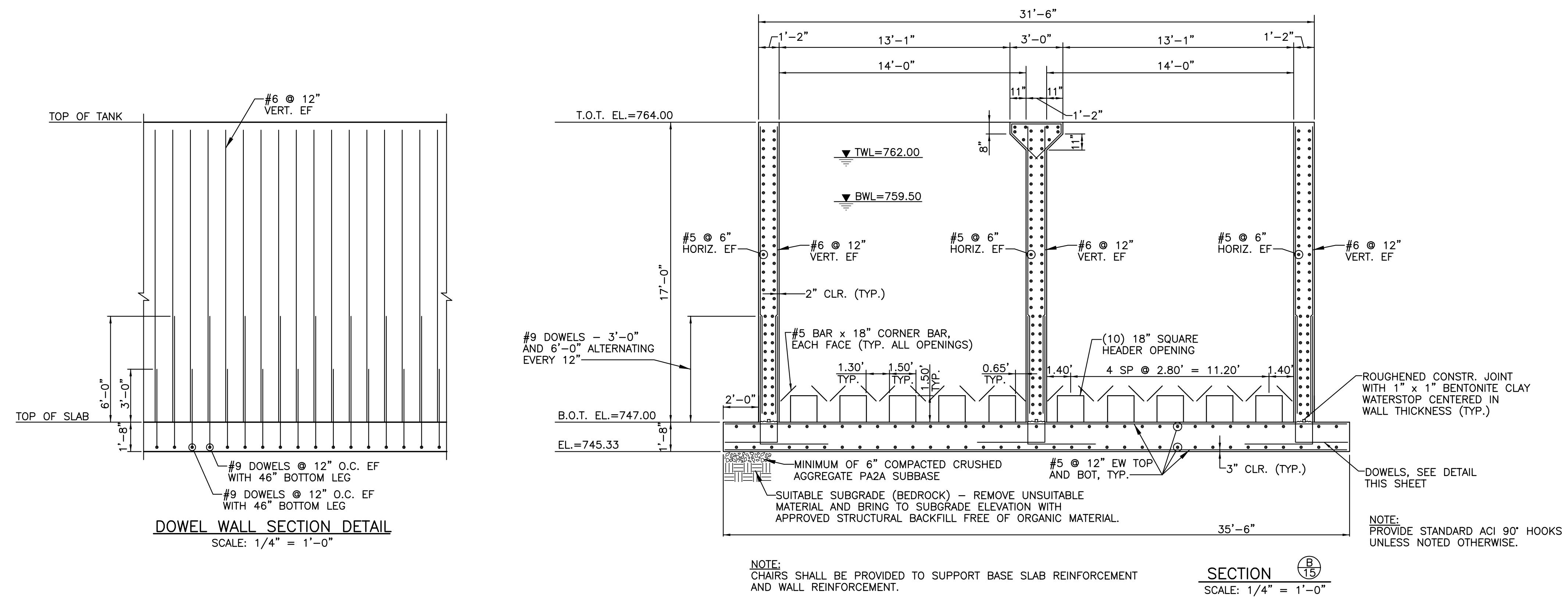
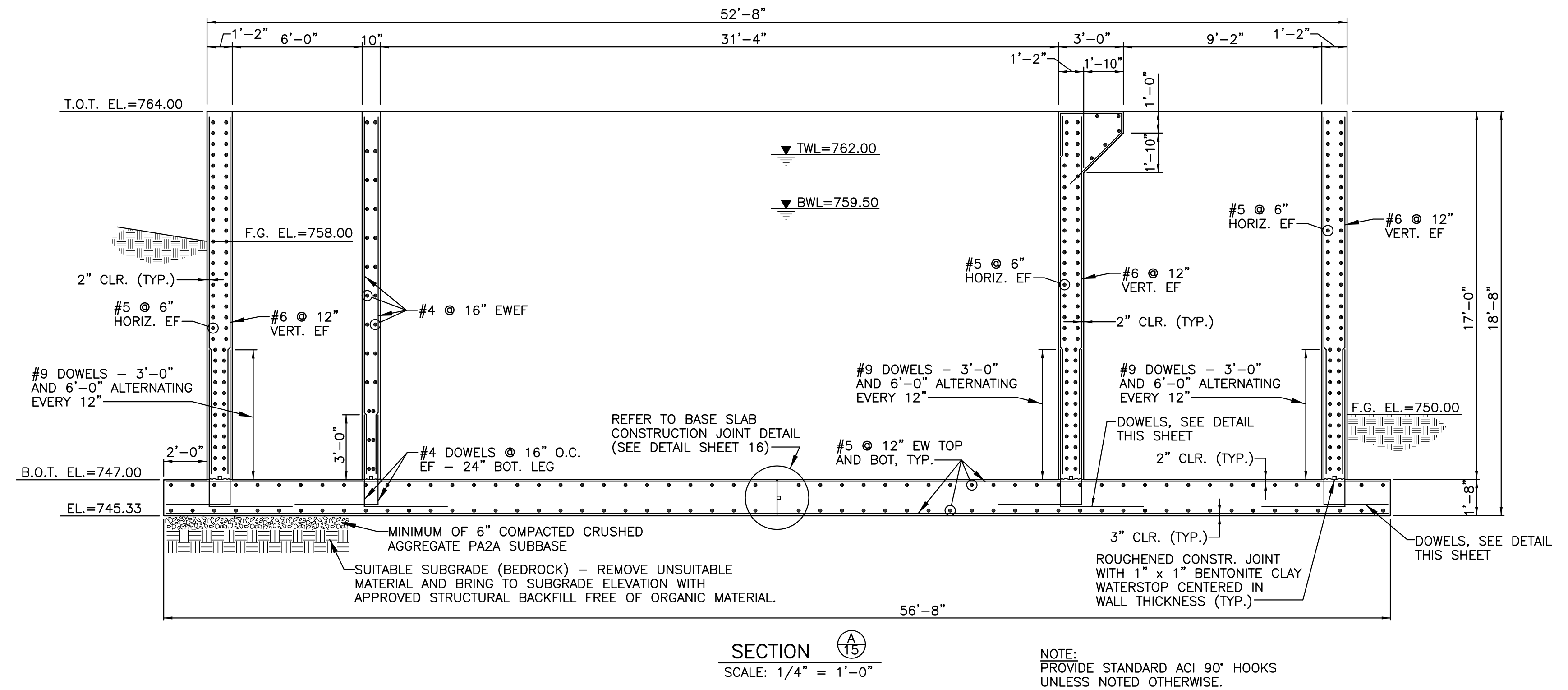
PLAN VIEW AT SBR FLOOR LEVEL
SCALE: 1/4" = 1'-0"

| | |
|--|---|
| JEFFREY B. FERTICH, PE 26 NORTH FOURTH STREET GETTYSBURG, PA 17325 717-337-1335 | |
| ENGINEER OF RECORD FOR STRUCTURAL INFORMATION ONLY | STRUCTURAL ENGINEERING RESOURCES, LLC |

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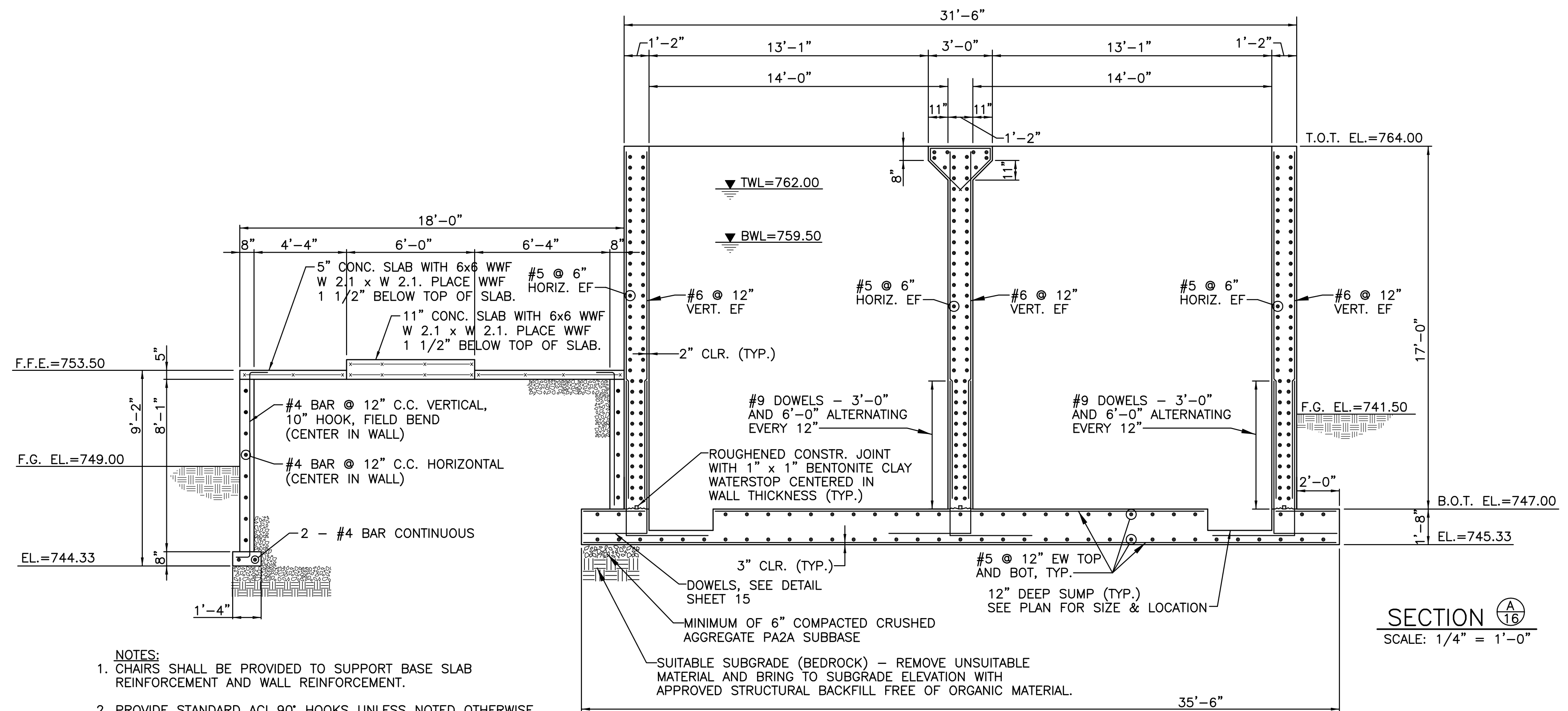
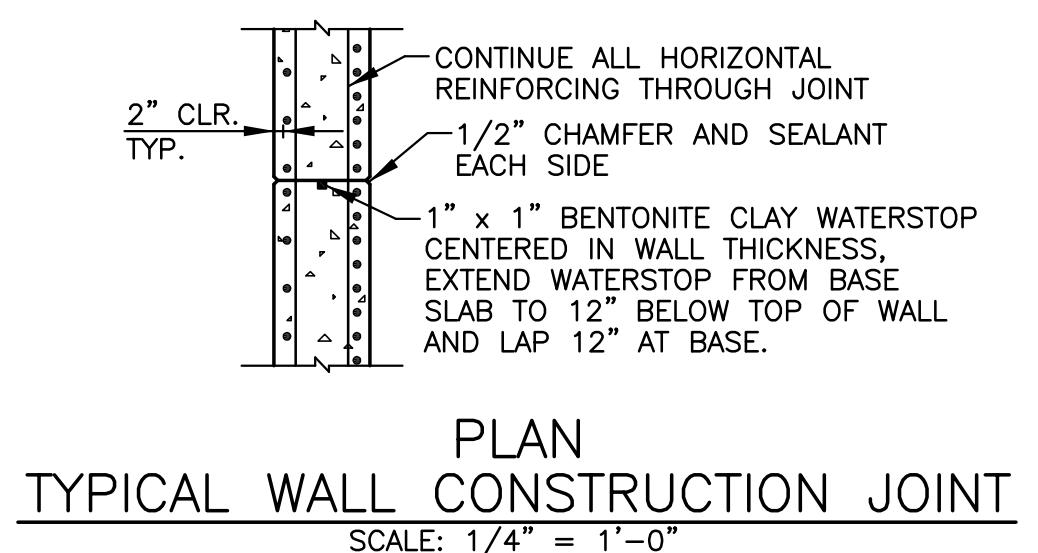
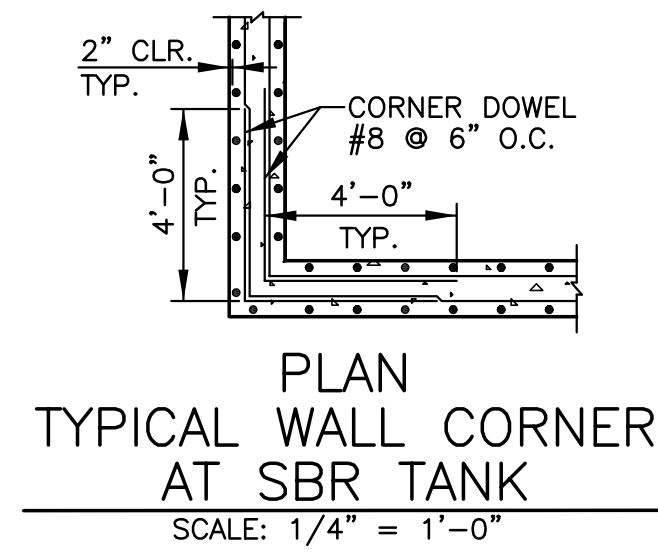
| PLAN PREPARATION | | REVISIONS | |
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| DRAWN BY: | DATE: | NO. | DESCRIPTION |
| FSI | 09/01/11 | | |
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| ICEAS SBR TANK FOUNDATION PLAN JOSHUA HILL SEWER COMPANY, LLC WASTEWATER TREATMENT FACILITY WEST MANHEIM TOWNSHIP, YORK COUNTY, PA | SCALE AS SHOWN SHEET NO. 14 OF 31 |
|---|--|

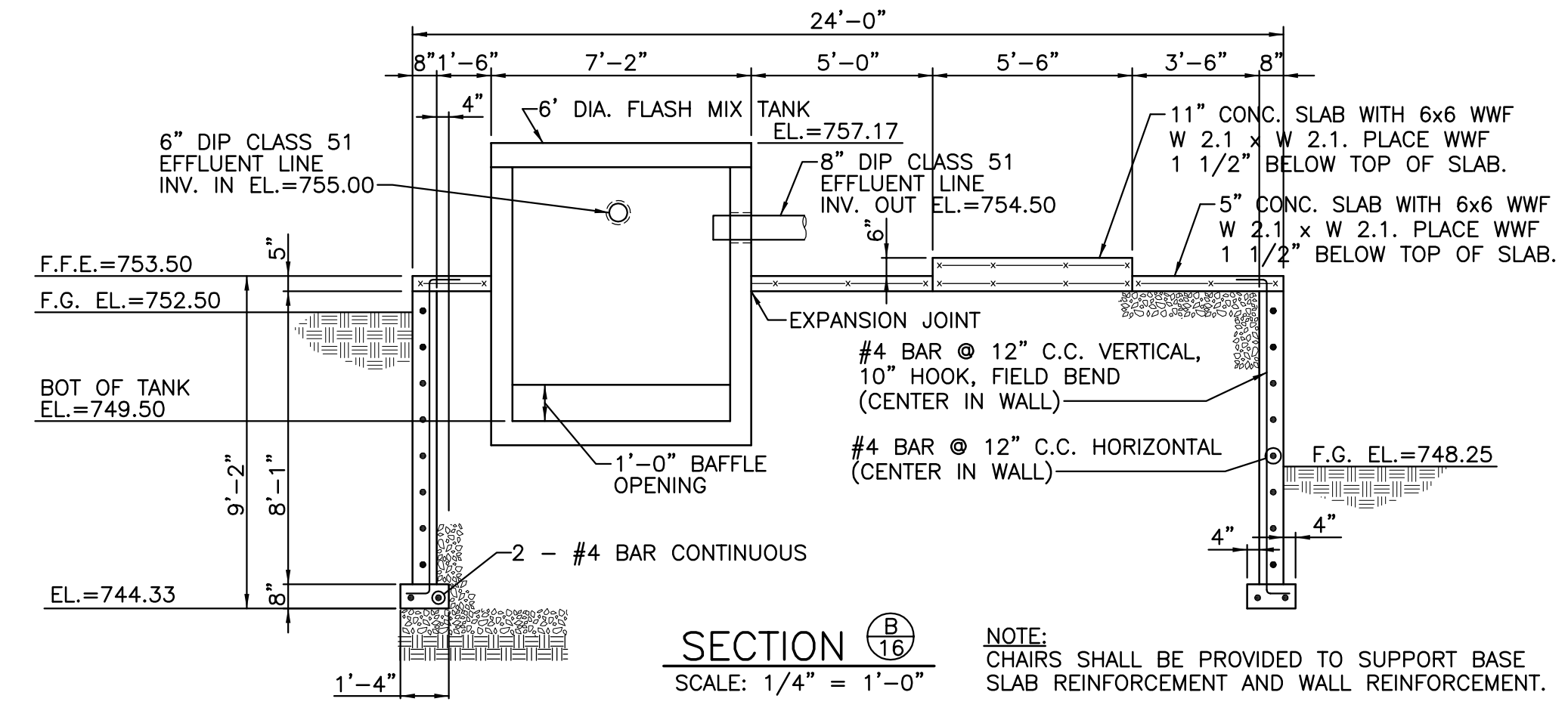
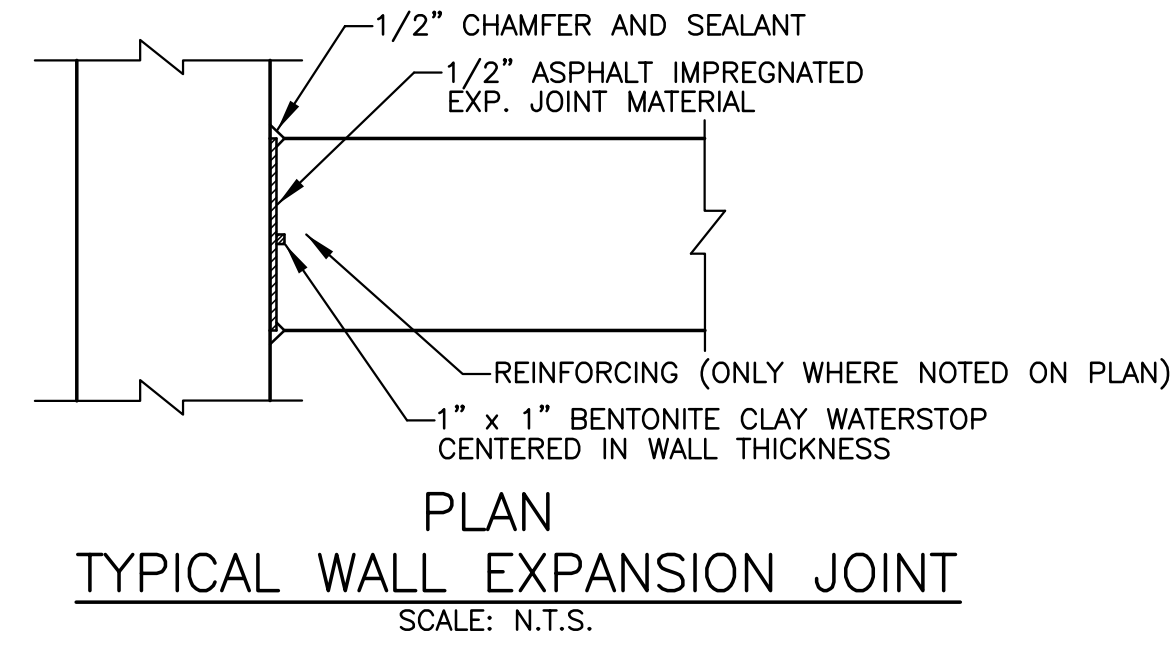
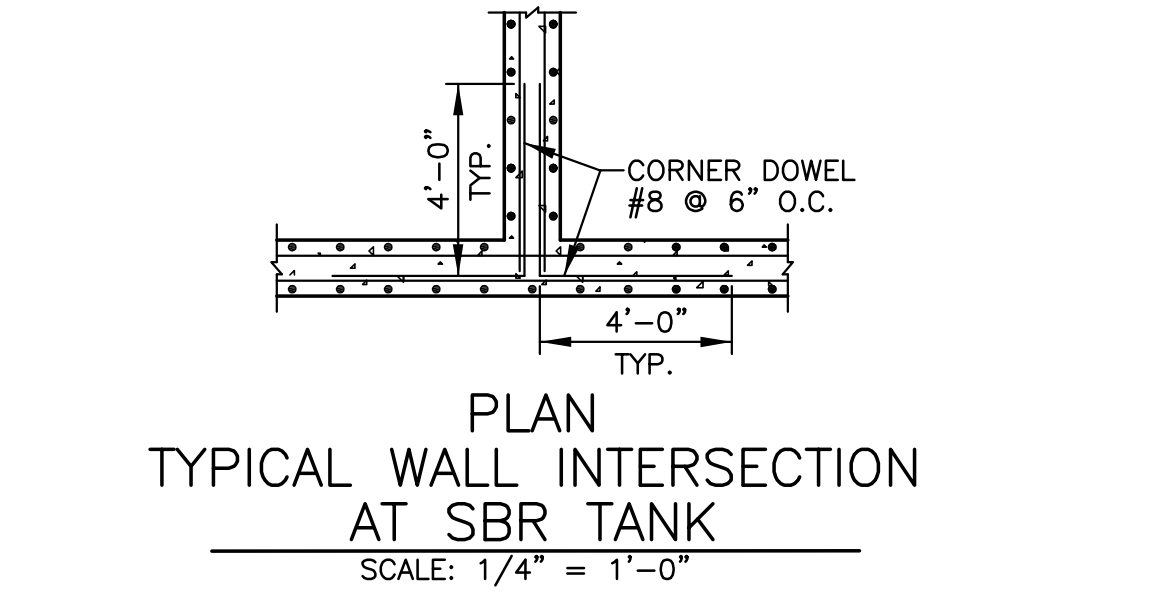
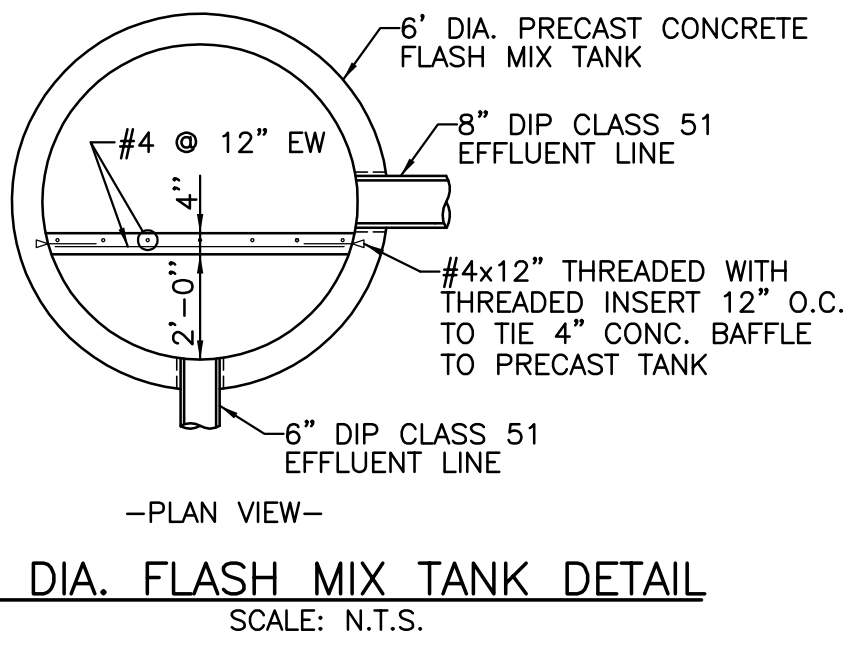
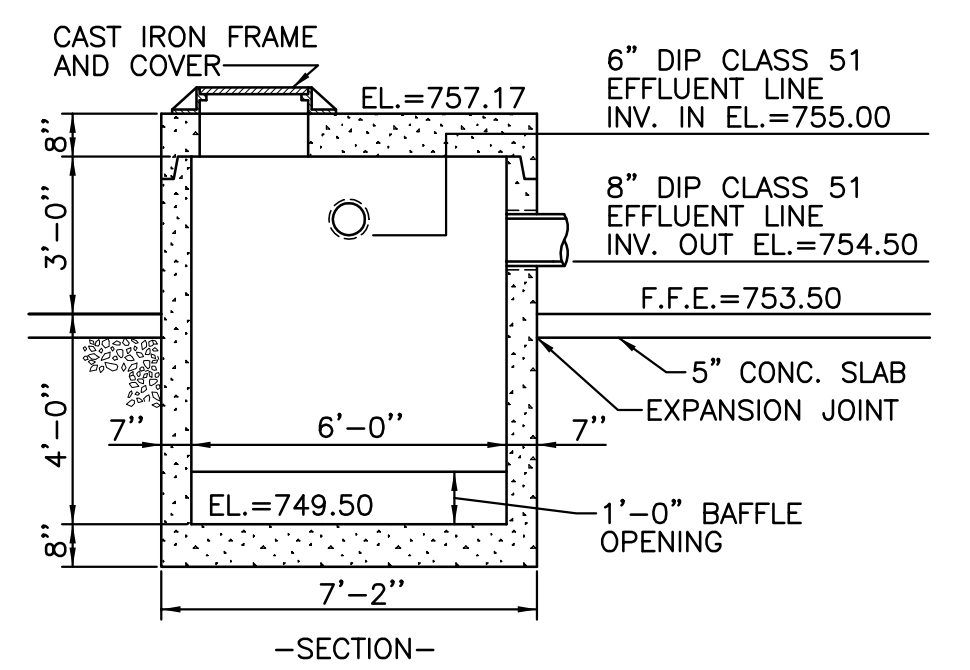


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|--|---|
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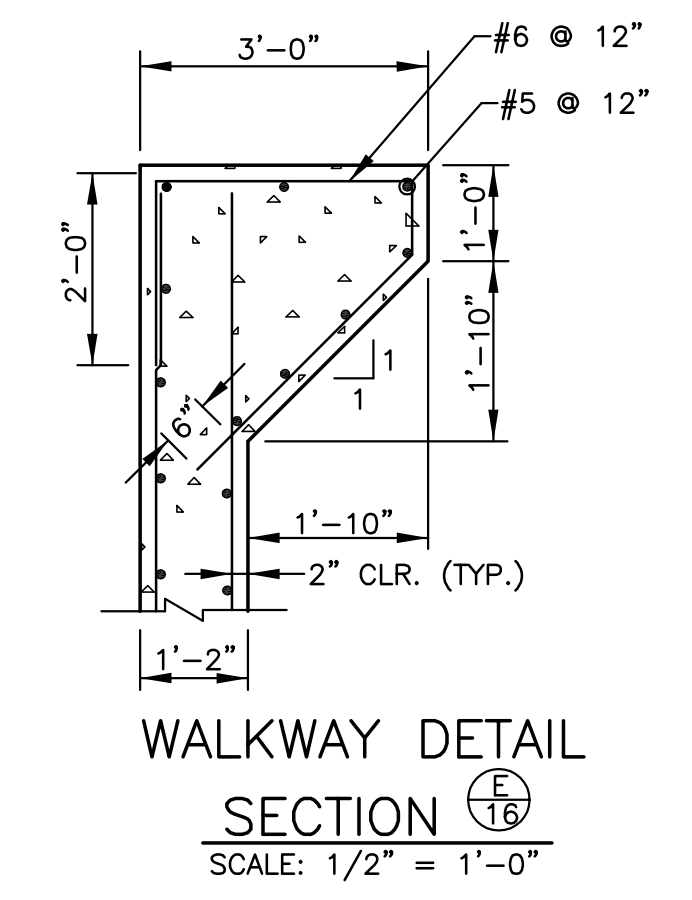
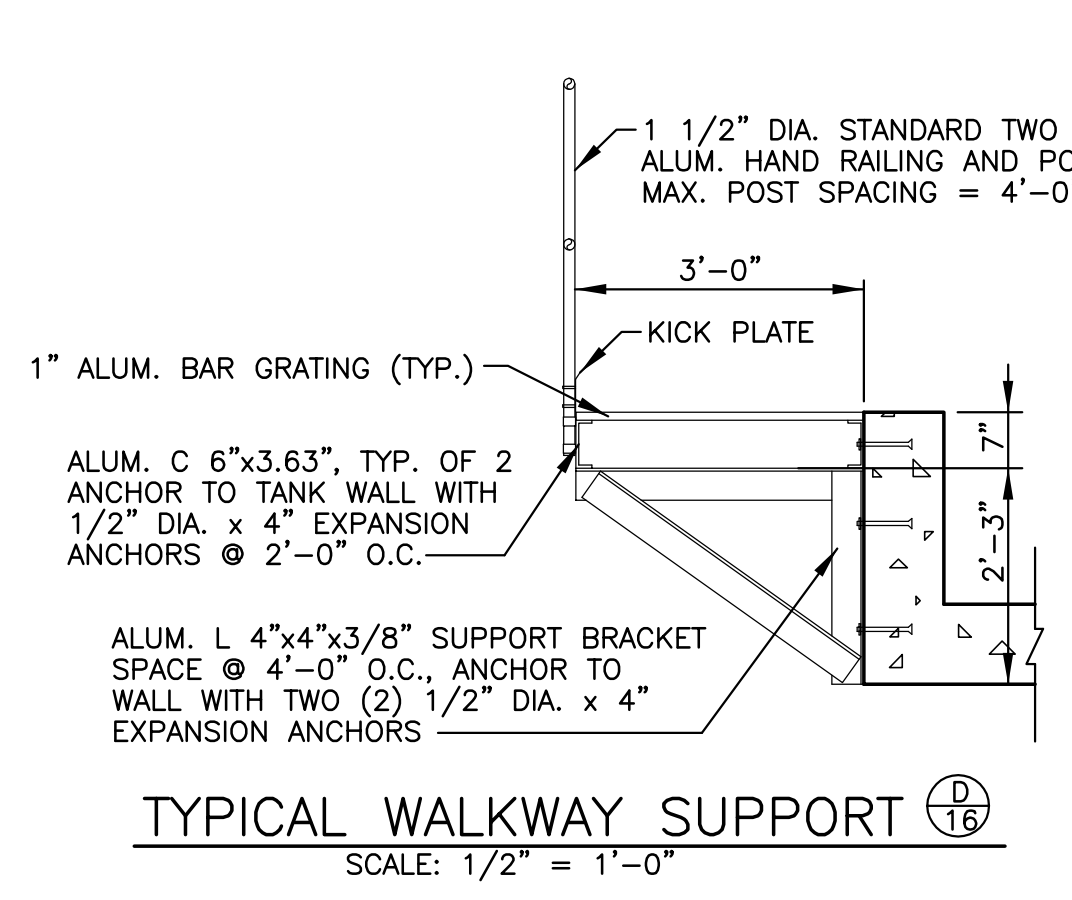
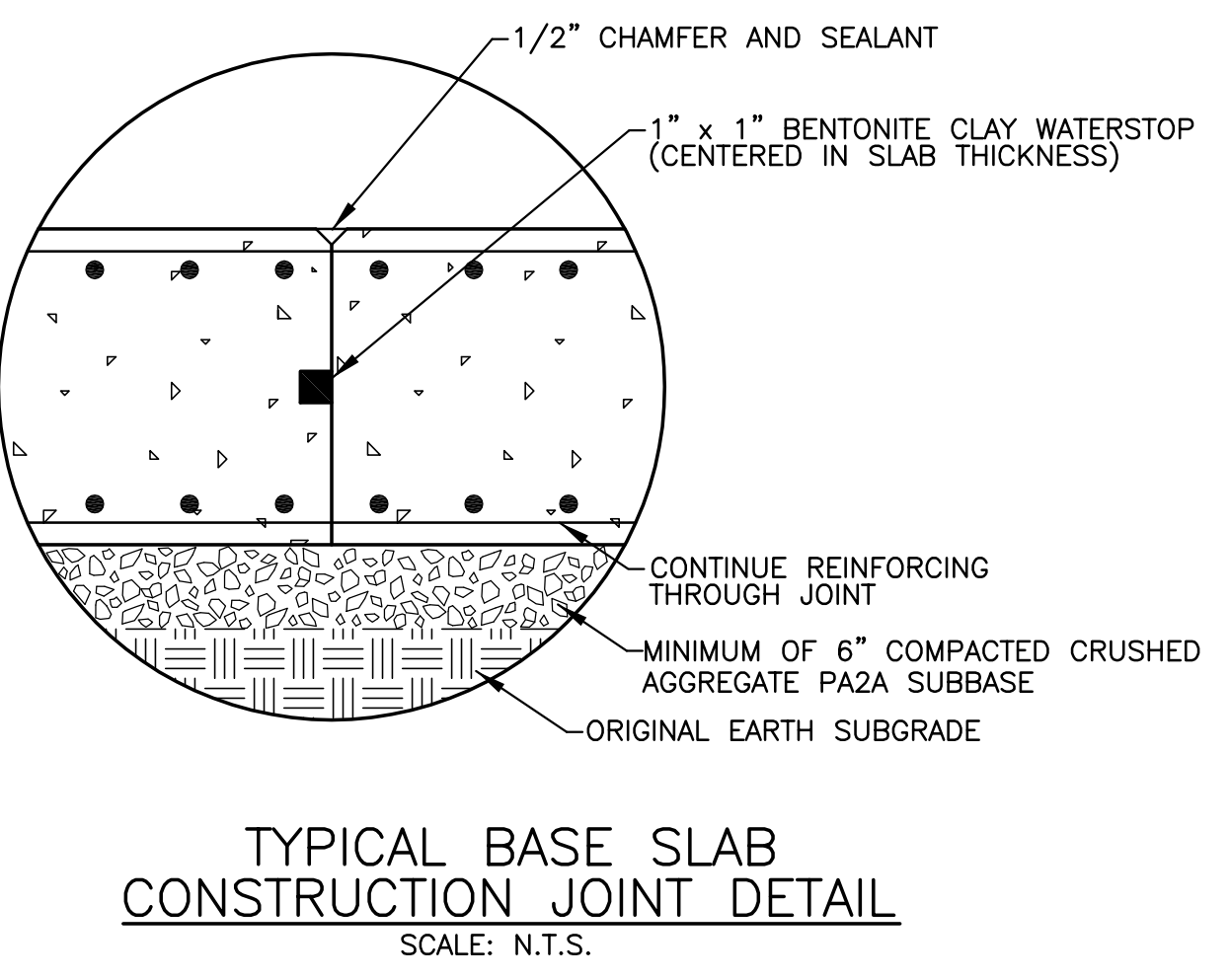
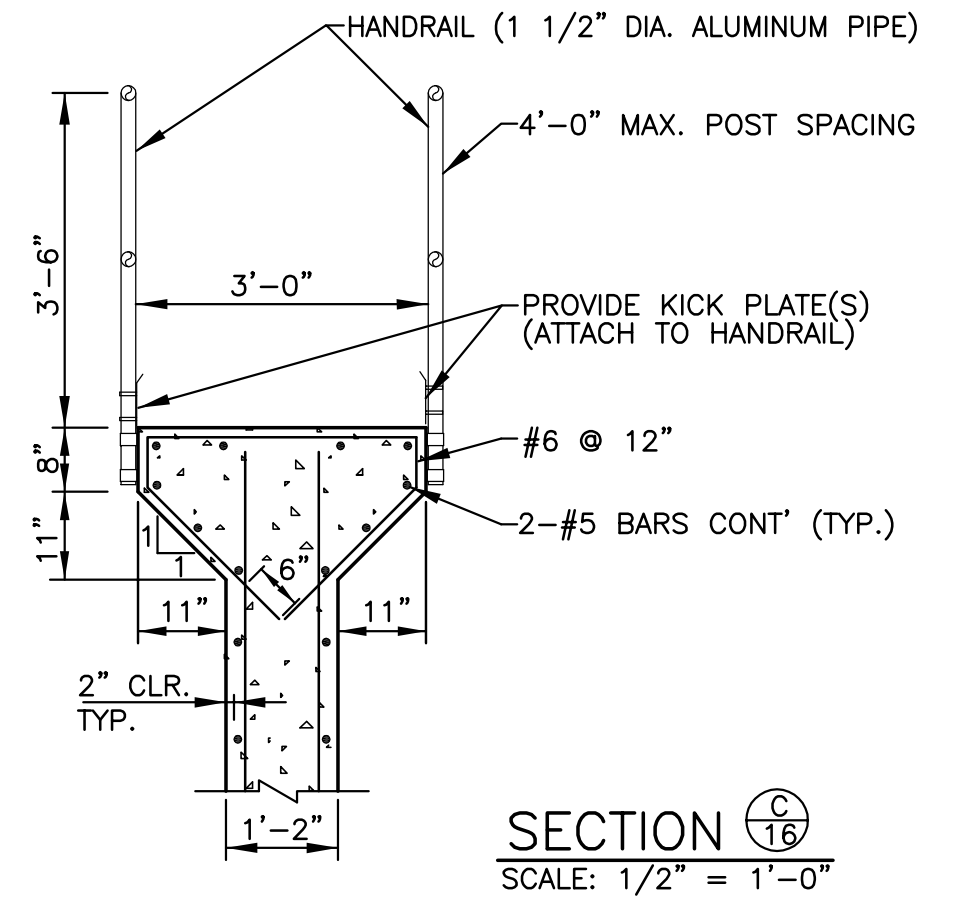
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| WM. F. HILL & ASSOC., INC. PROFESSIONAL ENGINEERS CIVIL ♦ MUNICIPAL ♦ ENVIRONMENTAL GETTYSBURG, PA 17325 PH. (717) 334 - 9137 | PLAN PREPARATION | | REVISIONS | | ICEAS SBR TANK STRUCTURAL SECTIONS JOSHUA HILL SEWER COMPANY, LLC WASTEWATER TREATMENT FACILITY WEST MANHEIM TOWNSHIP, YORK COUNTY, PA | SCALE AS SHOWN | |
| | DRAWN BY: FSI | DATE: 09/01/11 | NO. | DATE | | DESCRIPTION | SHEET NO. 15 OF 31 |
| | DESIGNED BY: JBF | CHECKED BY: WPH | | | | | |



- NOTES:
1. CHAIRS SHALL BE PROVIDED TO SUPPORT BASE SLAB REINFORCEMENT AND WALL REINFORCEMENT.
2. PROVIDE STANDARD ACI 90° HOOKS UNLESS NOTED OTHERWISE.



- NOTE:
CHAIRS SHALL BE PROVIDED TO SUPPORT BASE SLAB REINFORCEMENT AND WALL REINFORCEMENT.



JEFFREY B. FERTICH, PE
26 NORTH FOURTH STREET
GETTYSBURG, PA 17325
717-337-1335

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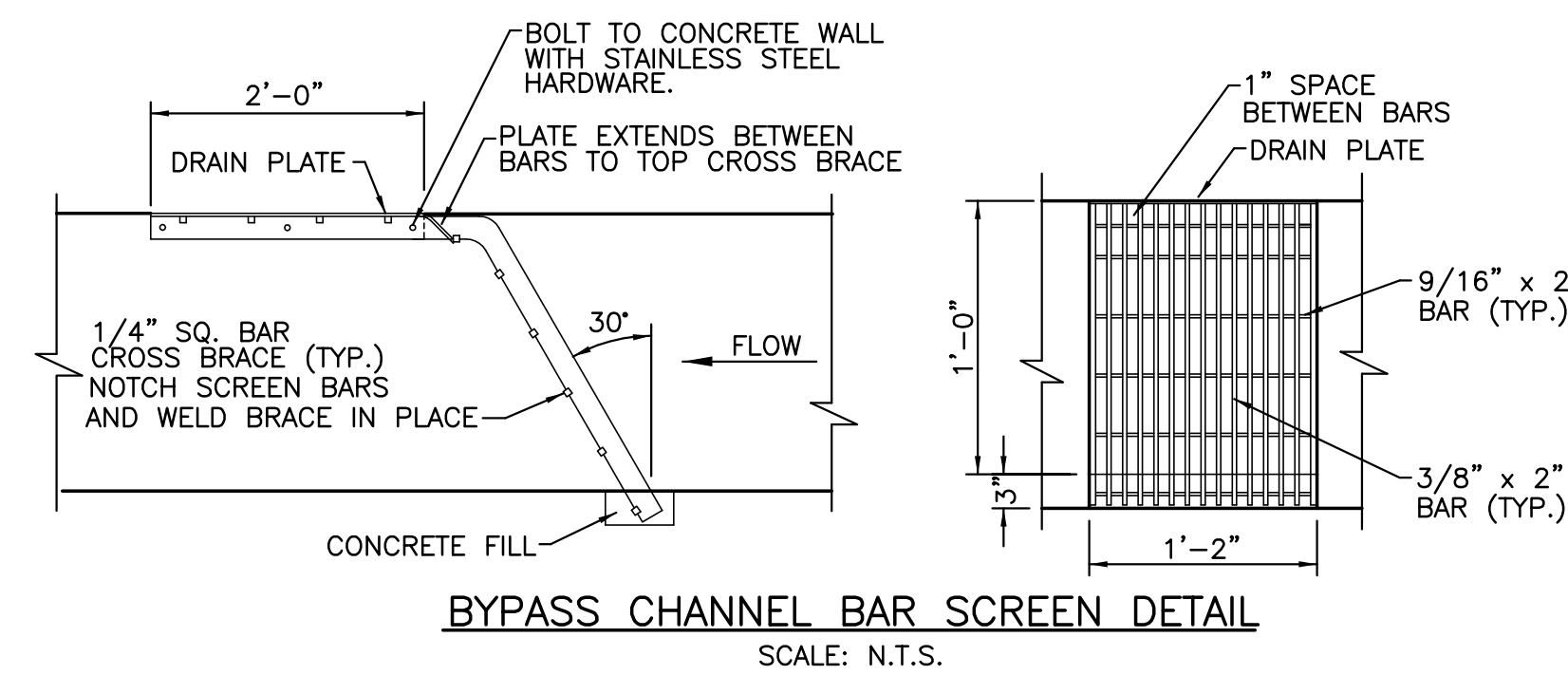
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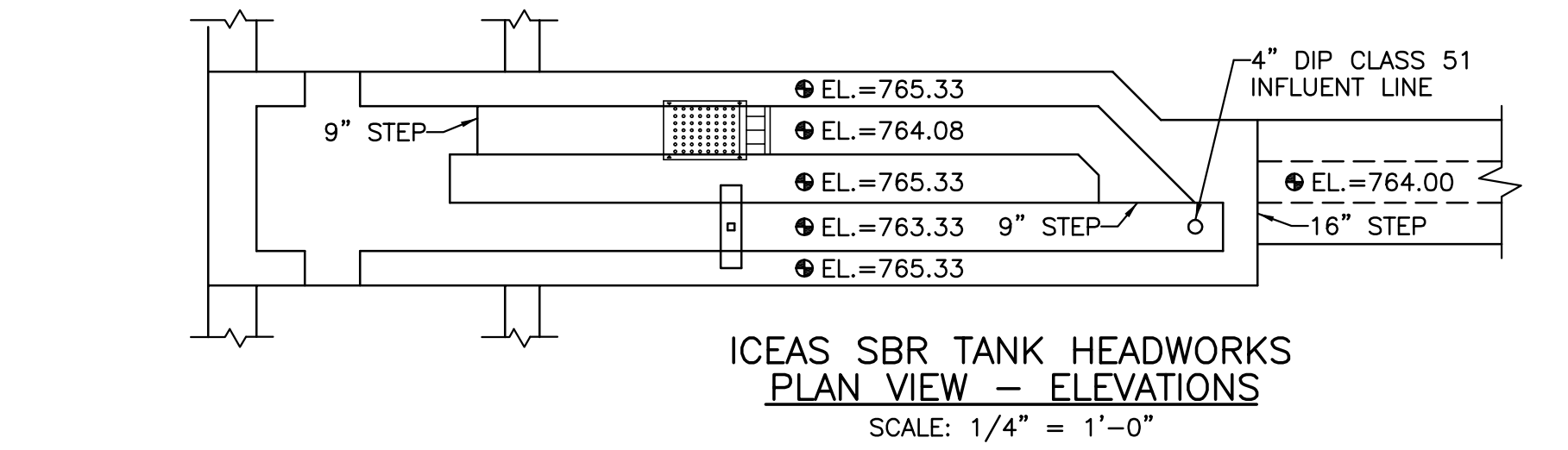
ICEAS SBR TANK STRUCTURAL SECTIONS AND STRUCTURAL DETAILS

JOSHUA HILL SEWER COMPANY, LLC
WASTEWATER TREATMENT FACILITY
WEST MANHEIM TOWNSHIP, YORK COUNTY, PA

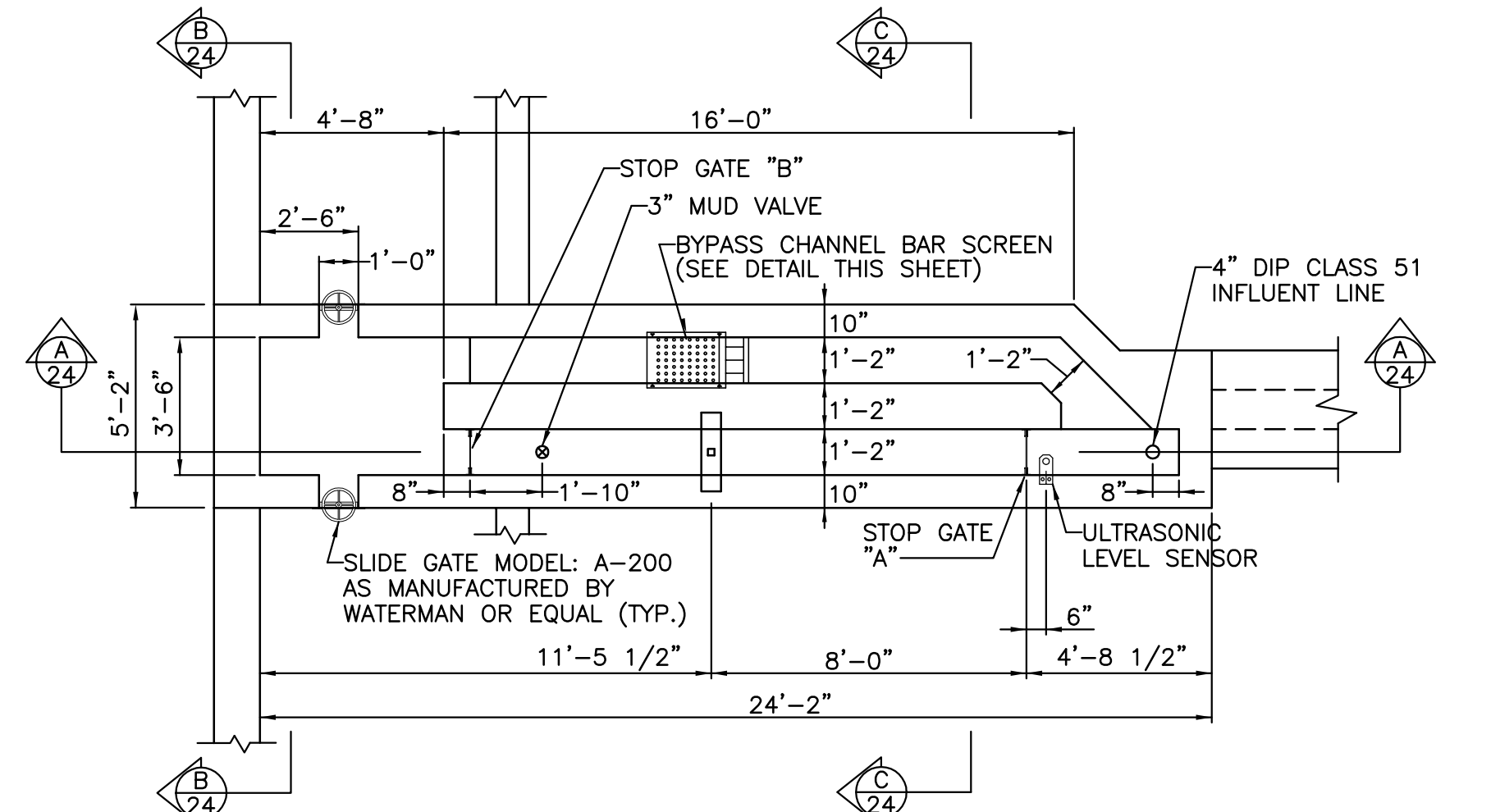
SCALE AS SHOWN
SHEET NO. 16 OF 31



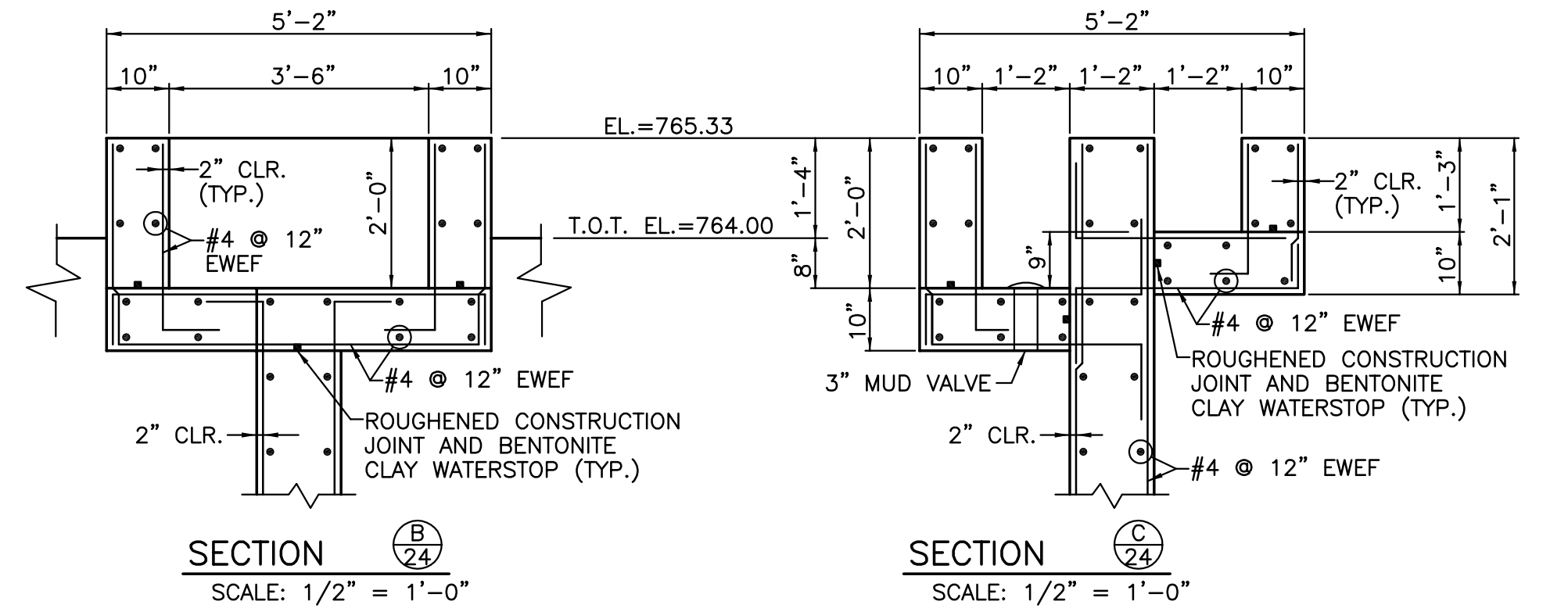
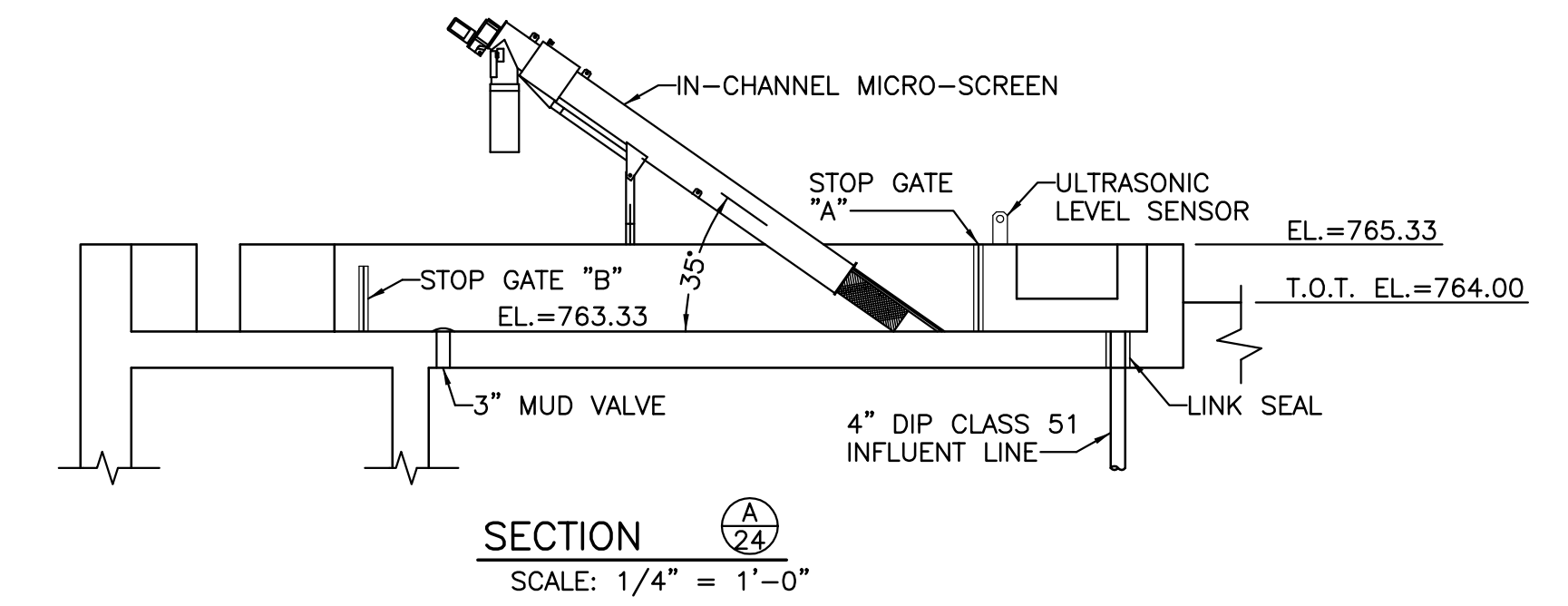
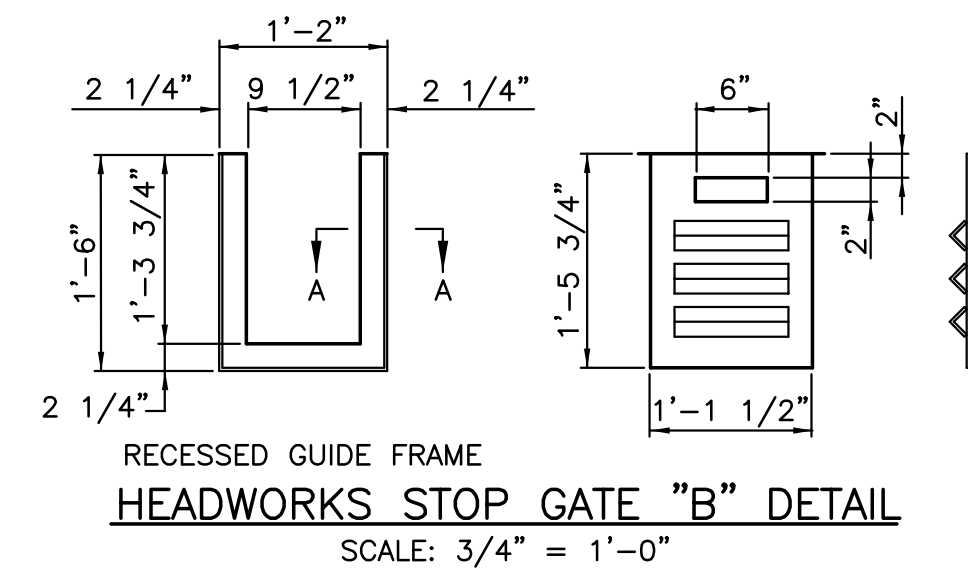
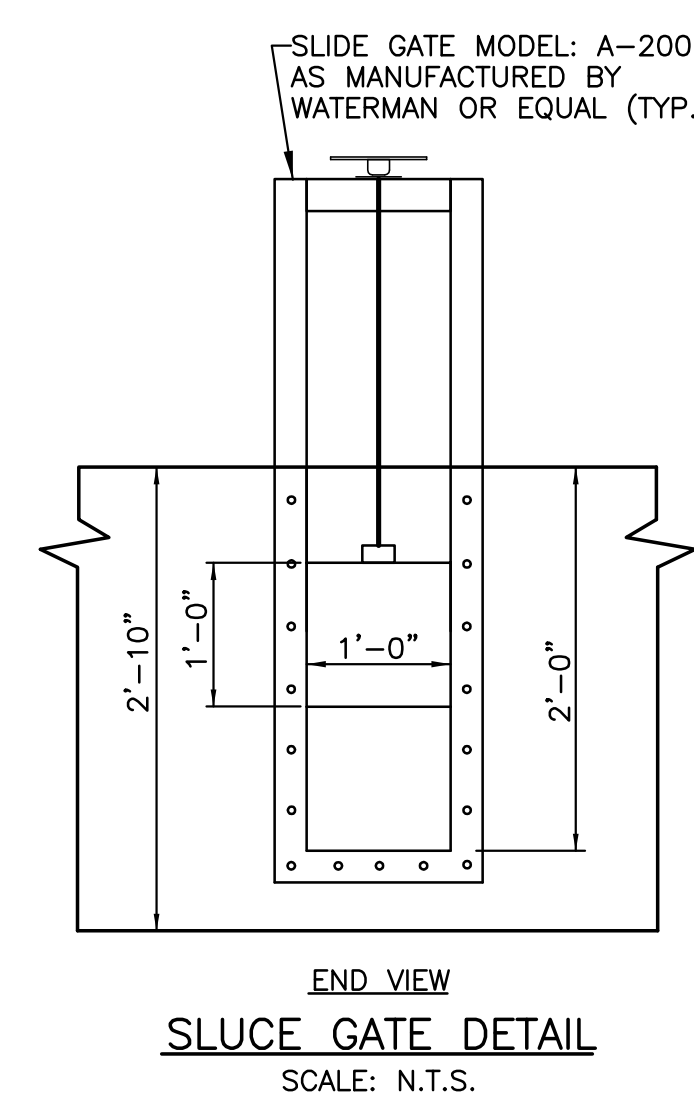
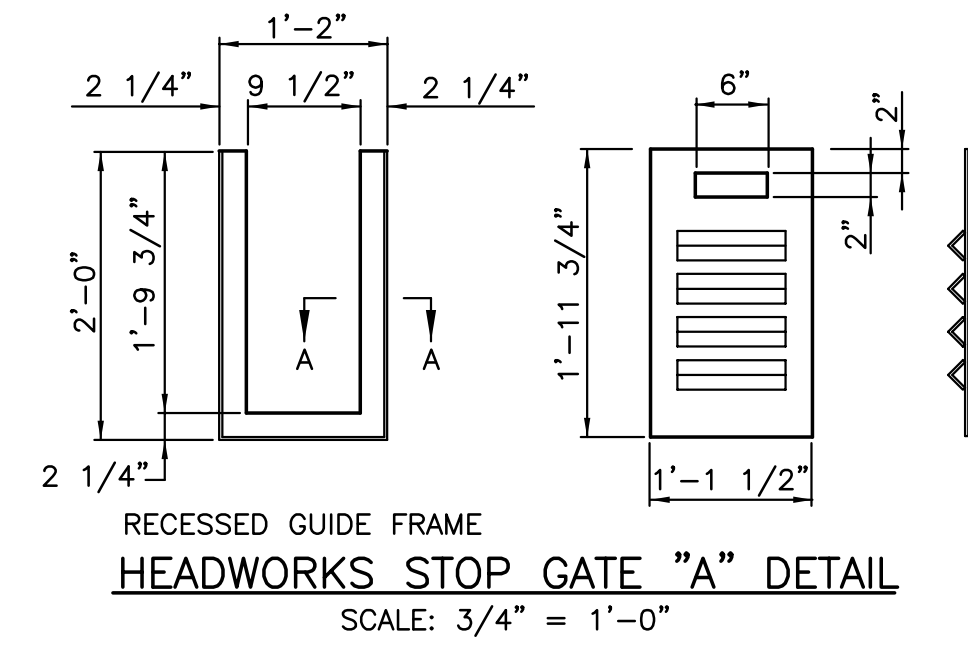
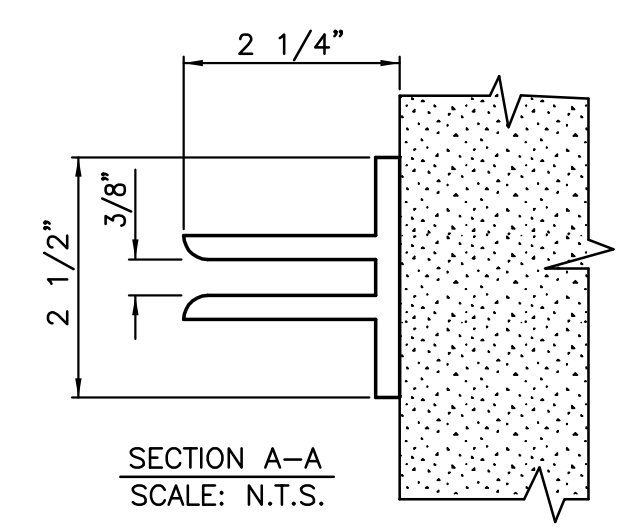
BYPASS CHANNEL BAR SCREEN DETAIL
SCALE: N.T.S.



**ICEAS SBR TANK HEADWORKS
PLAN VIEW - ELEVATIONS**
SCALE: 1/4" = 1'-0"




**ICEAS SBR TANK HEADWORKS
PLAN VIEW - DIMENSIONS**
SCALE: 1/4" = 1'-0"
NOTE:
MICRO-SCREEN NOT SHOWN FOR CLARITY



JEFFREY B. FERTICH, PE
26 NORTH FOURTH STREET
GETTYSBURG, PA 17325
717-337-1335

ENGINEER OF RECORD FOR
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**STRUCTURAL
ENGINEERING
RESOURCES, LLC**

WM. F. HILL & ASSOC., INC.
PROFESSIONAL ENGINEERS
CIVIL ♦ MUNICIPAL ♦ ENVIRONMENTAL
GETTYSBURG, PA 17325
PH. (717) 334 - 9137

| PLAN PREPARATION | | REVISIONS | |
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| DESIGNED BY: | CHECKED BY: | | |
| PFH | WPH | | |

HEADWORKS DETAILS

SCALE AS SHOWN

JOSHUA HILL SEWER COMPANY, LLC
WASTEWATER TREATMENT FACILITY
WEST MANHEIM TOWNSHIP, YORK COUNTY, PA

SHEET NO.
17 OF 31

STRUCTURAL SPECIFICATIONS AND GENERAL CONDITIONS (10/00)

GENERAL

- It is the Contractor's responsibility to coordinate these plans and specifications with all other project plans and specifications to ensure the complete and proper construction of this project. Where these plans and specifications conflict with other project plans and specifications, the strictest shall govern.
- The Engineer will assume no responsibility and/or liability for problems which arise from failure to follow these plans, specifications, and the design intent they convey, or for problems which arise from others failure to obtain and/or follow the Engineer's guidance.
- All work shall be performed in accordance with local applicable codes and regulations and appropriate safety measures satisfying local and OSHA requirements shall be provided.
- Proper temporary bracing of all construction work in progress is the Contractor's responsibility.
- If during demolition or site preparation existing conditions do not agree with information shown on the design drawings, the Contractor shall notify the Engineer immediately.
- The Contractor shall be responsible for the location and protection of all existing utilities during construction and the repair of any damaged facilities.
- Sections and details shown, while drawn for specific locations, are intended to establish the general types of details to be used throughout.
- Drawings should not be scaled. Contact the Engineer for clarification of any dimension in question.
- Anchor bolt layout, when required, shall be performed by a qualified surveyor.
- All dimensions shall be verified by the Contractor. Layout shall be checked and coordinated between all construction documents and specifications prior to the start of work.

DESIGN DATA

- Building Code = 2003 International Building Code
- Design Roof Loads:
 - Minimum Roof Live Load = 35 PSF (unreduced)
 - Roof Dead Load = 20 PSF (including structure weight)
 - Ground Snow Load = 35 PSF
 - Net Uplift Load = 5 PSF
 - Snow Factor = 1.1
- Design Wind Loads:
 - Basic Wind Speed = 90 MPH
 - Wind Exposure Category = B
 - Wind Importance Factor = 1.15
- Design Seismic Loads:
 - Soil Site Class B
 - S_s = 20, S₁ = 6
 - Seismic Hazard Exp Group = III
 - Seismic USF Group = II

FOUNDATION CONSTRUCTION

- The allowable soil bearing pressure used in the design of the foundation on this project is based on the recommendations made in the geotechnical engineering investigation prepared by Earth Engineering Incorporated, dated 6-14-07. It's the Contractor's responsibility to implement all other recommendations of the Geotechnical Engineer identified in the above report to ensure that the foundation bearing material is properly prepared and any required structural fills and backfill material are properly installed. Field testing of any required fill material to ensure compliance with the geotechnical engineer's requirements is the responsibility of the Contractor.
- Soil bearing capacity shall be field verified by the geotechnical engineer, or an approved soil testing agency, and documented in writing to the Engineer.
- The bottoms of all exterior footings shall extend a minimum of 36" below finished grade unless noted otherwise.
- Excavate all foundations to reasonable exact outline and depth avoiding over-excavation and cave-in of surrounding material. Bottoms of all foundations shall be dry, soil proofrolled, and rock surfaces leveled and cleared of loose debris prior to pouring.
- Neatly level and trim all foundation excavations prior to setting steel.
- Thoroughly compact all foundation and slab subgrade material prior to placement of stone bases or concrete.
- Provide weathertight covering for all foundations after excavation; do not expose to rainwater or freezing.
- All footings shall be placed "neat" (cast against earth without forms) where possible to prevent water intrusion. Where foundations must be formed, backfill edges immediately after form removal.
- No fill or backfill shall be placed against retaining or foundation walls until grout or concrete has attained design strength and supporting members are in place, unless prior written approval is obtained from the Engineer.

CAST-IN-PLACE CONCRETE CONSTRUCTION

- All concrete work shall conform to the requirements of ACI 318-95, Building Code Requirements for Reinforced Concrete, and ACI 301-96, Specifications for Structural Concrete for Buildings, including all revisions, except as modified herein.
- All concrete shall be supplied by a qualified ready-mixed concrete plant in accordance with the following requirements:
 - Minimum 28-day compressive strength = 4000 psi
 - Portland cement = Type II
 - Maximum water-cement ratio = 0.45
 - Maximum aggregate size = 1.5" (AASHTO No. 57)
 - Entrained air = 4 to 7% (exposed concrete only)
 - Slump range = 1.5 to 5"
 - Submit mix designs to the Engineer for review and approval
- Reinforcing steel shall be deformed, billet-steel conforming to ASTM A615 - Grade 60.
- Welded wire fabric shall conform to ASTM A185.
- Reinforcing steel splices shall be ACI Class A splices unless indicated otherwise.
- Shop Drawings for the fabrication and placement of reinforcing steel shall be submitted to and approved by the Engineer before fabrication commences.
- The Engineer shall be contacted one day in advance of all concrete pours. Concrete shall be placed only after approval of the reinforcement by the Engineer.
- Schedule the pouring of foundations, when possible, on the same day that the excavation is completed.
- Cure all concrete in accordance with accepted ACI Standards for the worst case weather conditions anticipated during the curing period. Floor surfaces must be continuously wet cured for a period of seven days.
- Chamfer all exposed concrete edges a minimum of 1/2" x 1/2".
- Provide a minimum of concrete cover for reinforcing bars as follows:
 - Footings = 3 inches earth face, 2 inches all others
 - Concrete walls and beams = 2 inches
 - Slabs-on-grade = place welded wire fabric 1-1/2 inches below top of slab
- Six (6) test cylinders shall be prepared for every 50 cubic yards of concrete placed on any given day to represent all concrete placed on that day. Two (2) cylinders shall be tested at seven (7) days and two (2) cylinders shall be tested at 28 days for verification of concrete design strength (two (2) cylinders shall remain as replacements for any damaged cylinders). Cylinders should be field cured to represent site conditions. Lab cured specimens verifying concrete strength at the batch plant are the suppliers responsibility.
- Building Slabs on Grade:
 - Slabs on grade shall be placed in accordance with the requirements of ACI 302.1R-96
 - An optional slab on grade pre-construction conference involving the Owner, Contractor and Engineer is recommended to review installation procedures and requirements.
 - Concrete for slabs on grade shall meet the requirements of Item 2 above, except that:
 - Fine aggregate should be natural sand.
 - Maximum aggregate size = 2" (AASHTO No. 467)
 - Air-entraining admixtures must not be used unless the slab will be exposed to freezing temperatures.
 - Slab finishing operations shall meet ACI Class 5 floor requirements in accordance with Chapter 8 of ACI 302.
 - A minimum floor flatness/levelness tolerance meeting ACI F 45/F 35 requirements shall be achieved through placing and finishing the slab per the guidelines set forth in Table 8.15.3.a of ACI 302.
 - Curing of slabs shall begin as soon as finishing operations are complete by either water curing or wet covering in accordance with Chapter 9 of ACI 302 for a period of seven (7) days.
 - Sawcut joints must be completed within 1 to 4 hours of finishing and to a minimum depth of 1/4 the slab thickness.
 - The slab joint sealant shall be a pourable, self leveling, urethane filler.
 - Do not allow construction equipment on newly placed slabs for a minimum of seven (7) days.

CONCRETE MASONRY CONSTRUCTION


- All concrete masonry shall conform to the requirements of ASTM C90 (Grade N) unless noted otherwise. Concrete masonry construction shall conform to the requirements of ACI 530-95/ASCE 5-95/TMS 402-95, Building Code Requirements for Masonry Structures, including all supplements.
- The Contractor shall be responsible for the temporary bracing of all masonry construction. Bracing shall remain in place until masonry has had sufficient time to set. Where masonry supports floor and/or roof systems, bracing shall remain in place until the diaphragm has been anchored in its final position.
- Mortar shall be Type S unless otherwise noted.
- Fill grouted cores, bond beams, and wall reinforcement where shown on plans with 3000 psi small aggregate (1/2" max.) concrete mix or 2000 psi portland cement/lime grout (per ASTM C 476).
- Steel lintels for masonry, unless indicated otherwise on drawings, shall be as follows:
 - Clear opening of 3'4" or less = (1) 5x3-1/2 x 5/16 angle (LLV) per 4" of masonry wall thickness with 8" min. end bearing on 16" thick of solid or grouted masonry.
 - Clear opening of 6'4" or less = (1) 6x3-1/2 x 5/16 angle (LLV) per 4" of masonry wall thickness with 8" min. end bearing on 16" thick of solid or grouted masonry.
- Unless otherwise specified on the architectural drawings or in the project specifications, control joints in masonry walls shall be 3/8" wide by the full height of the wall and shall extend through both the veneer material and backup masonry.
- Unless otherwise specified on the architectural drawings or in the project specifications, all exterior masonry walls shall be reinforced with No. 9 gauge, horizontal truss-type galvanized wire reinforcing at 16" on center.

STRUCTURAL STEEL

- All steel construction shall be in accordance with the AISC Specifications for the Design Fabrication and Erection of Structural Steel for Buildings, ninth edition.
- All welding shall be performed in accordance with the requirements of the AWS Code and AISC Specifications using E70XX electrodes and performed only by qualified welders.
- Structural steel shall conform to the requirements of ASTM A572, with a minimum yield stress of 50 ksi.
- Structural steel pipe shall conform to the requirements of ASTM A53, Type S, Grade B, with a minimum yield stress of 35 ksi.
- Structural steel tubing shall conform to the requirements of ASTM A500, Grade B, with a minimum yield stress of 46 ksi.
- Shop drawings for the fabrication and erection of all structural steel shall be submitted to and approved by the Engineer prior to fabrication. All connections of structural steel members shall be made using AISC bearing-type, framed beam connections (shop welded and field bolted) designed by the fabricator and detailed on the shop drawings for review by the Engineer.
- The Contractor shall notify the Engineer of any fabrication or erection errors or deviations and receive written approval before field corrections are made.
- Bolted connections of structural steel shall be made using high strength steel bolts conforming to ASTM A325.
- Anchor bolts shall conform to the requirements of ASTM A307 (unless noted otherwise).
- The Contractor shall be responsible for the temporary bracing of all steel during erection and until construction is complete.
- The Contractor shall furnish all plates, clip and seat angles, and connections for completion of the structure, even if such items are not specifically called for on the structural drawings.
- Structural and miscellaneous steel fabricators shall be responsible for obtaining all field dimensions necessary for completion of their work.
- Minimum size of fillet welds, unless otherwise noted, is to be 1/4-inch fillet. Chip, wirebrush clean, and prime paint all field welds.
- All steel shall receive one coat of red oxide primer (2 mils minimum DFT) following surface preparation per SPCC (Steel Structures Painting Council) Standard SP 3-63.

WOOD CONSTRUCTION

- All wood construction, unless noted otherwise, shall be performed in accordance with the requirements of the National Design Specifications for Wood Construction (NDS), latest edition, as issued by the AFPA, and the International Building Code herein specified.
- All sawn lumber, unless noted otherwise, shall be as follows (verified by stamp):
 - Joists, beams and posts = SPF (Spruce-Pine-Fir) No. 2 or better.
 - Studs, plates, ledgers, and bracings = SPF (Spruce-Pine-Fir) No. 2 or better.
 - Maximum moisture content of all structural lumber = 19%
 - All exposed hardware shall be galvanized.
 - All exposed wood shall be Southern Pine No. 2 (or better) pressure-treated to AWPA minimum requirements.
- Pre-engineered wood truss construction shall meet the following requirements:
 - Trusses shall be designed in accordance with the requirements of TP-1 (Truss Plate Institute's National Design Standard for Metal-Plate-Connected Wood Truss Construction) and the AFPA NDS noted above. The design shall be certified by a professional engineer registered in the state where the project occurs.
 - Wood material used for truss construction shall be Southern Pine No. 2 material or better.
 - The truss design shall include all necessary connections and permanent bracing required to prevent rotation and provide lateral stability.
 - Unless noted otherwise, trusses shall be designed for a 10 PSF top chord dead load and a 10 PSF bottom chord dead load in addition to the specified attic live load per International Building Code, a 20 PSF bottom chord live load requirement. Roof trusses shall also be designed for drifted snow where required. Live load deflection shall not exceed span/240 for roofs.
 - Sealed shop drawings showing all details of the truss fabrication, bracing requirements, and confirming design criteria shall be submitted to the engineer for review and approval prior to fabrication.
 - Temporary bracing of the trusses during erection is the contractor's responsibility.
 - Trusses shall be anchored to their supports using galvanized metal strap anchors rated for the loading indicated on the truss shop drawings.

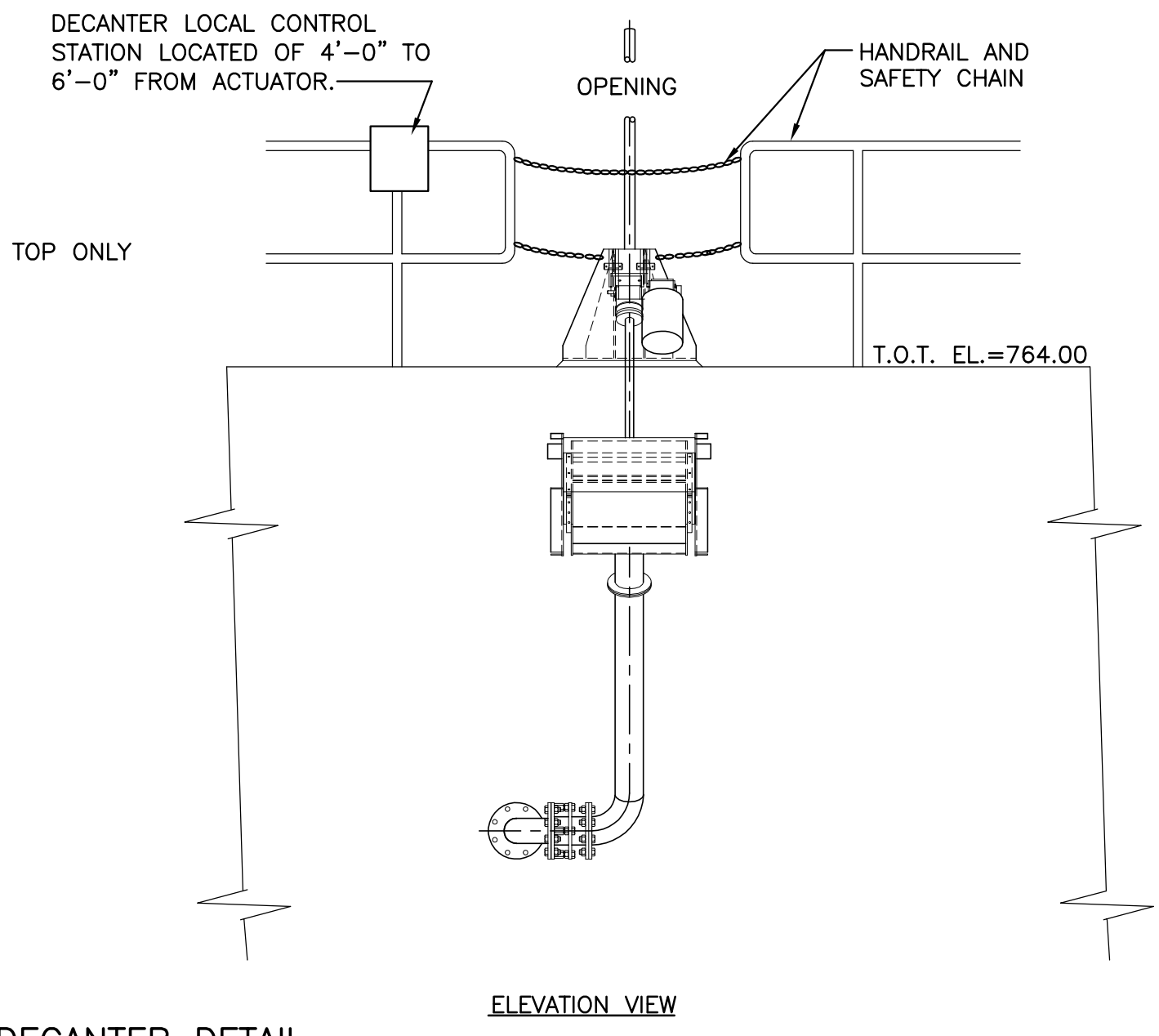
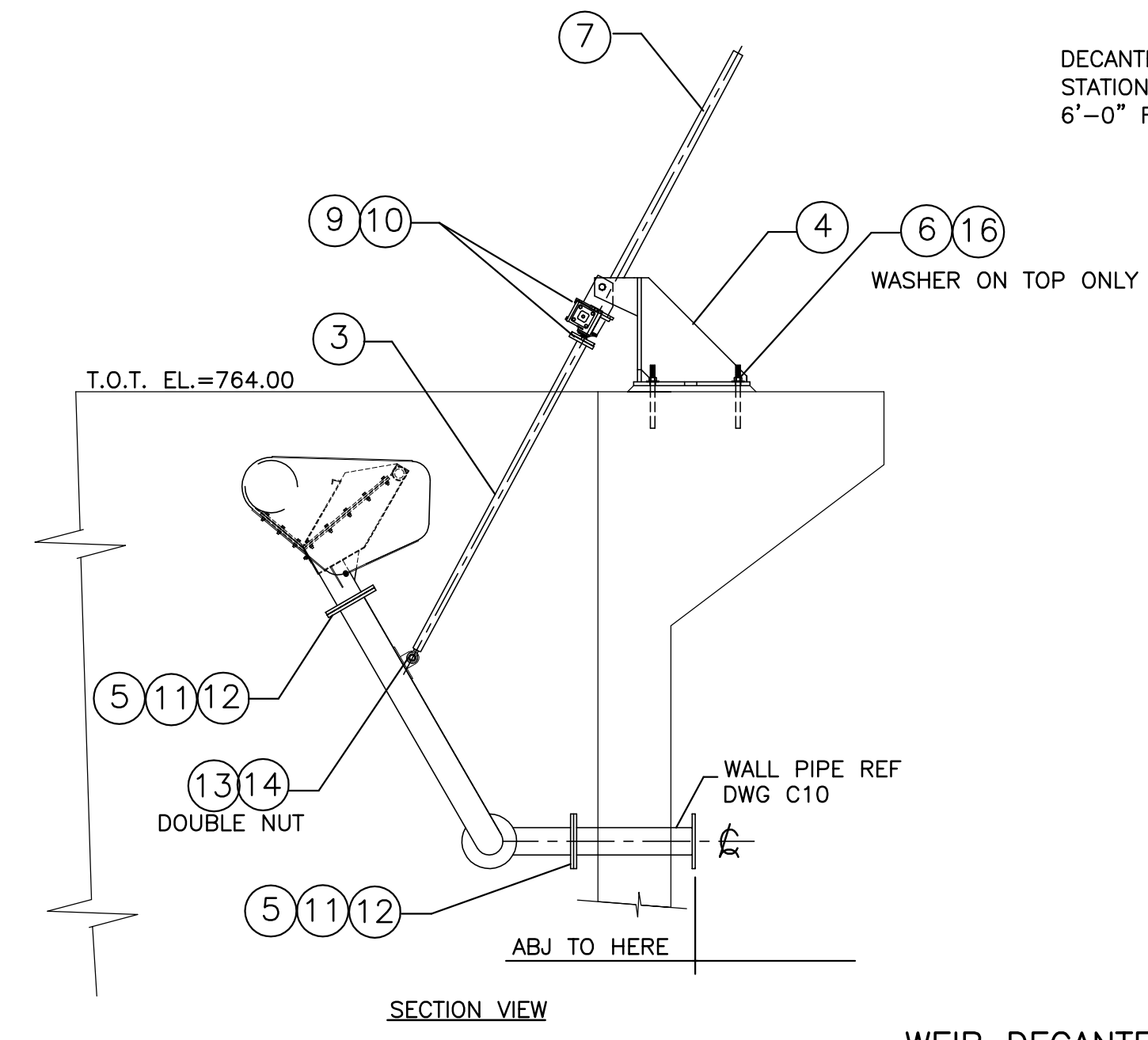
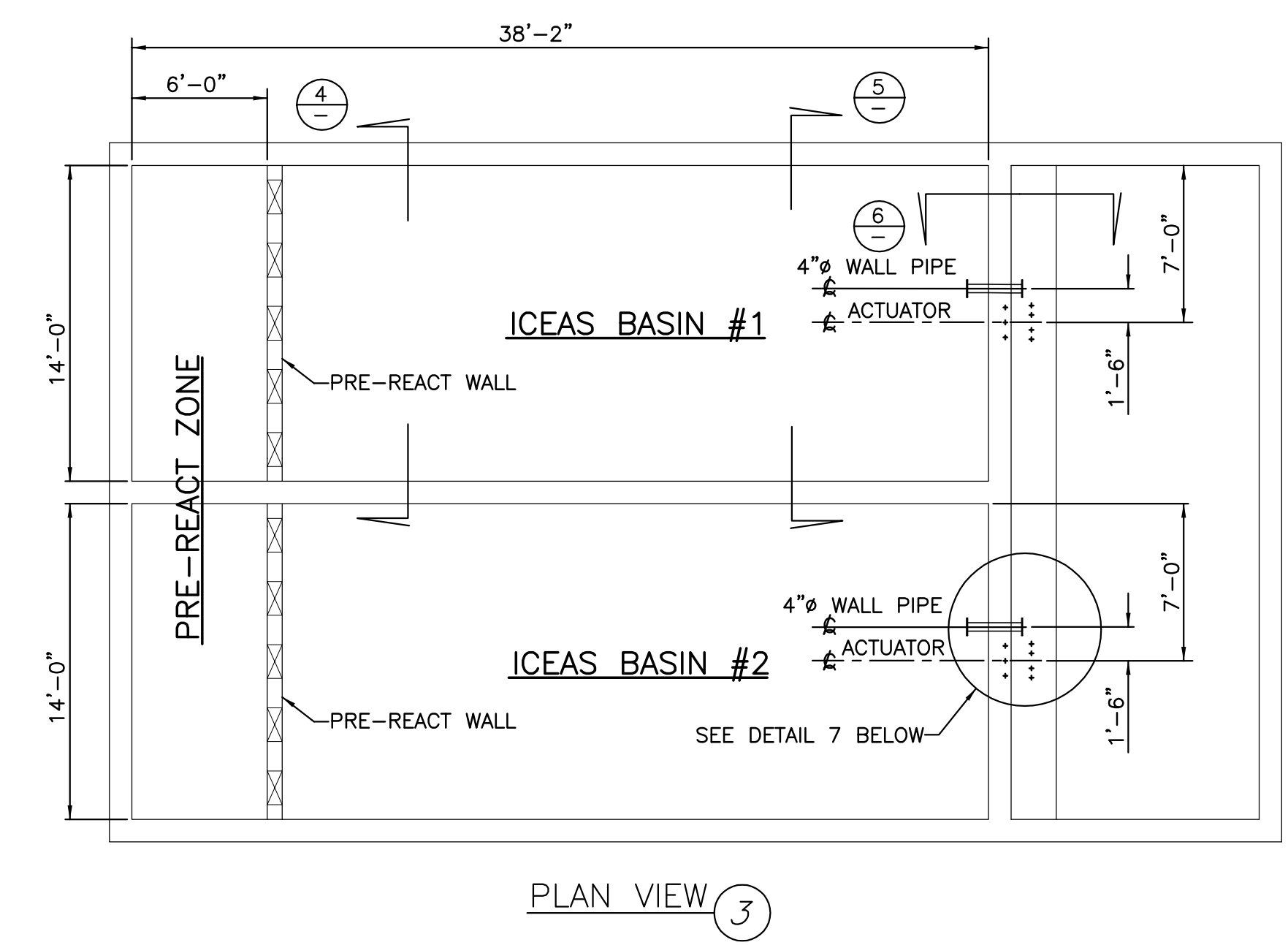
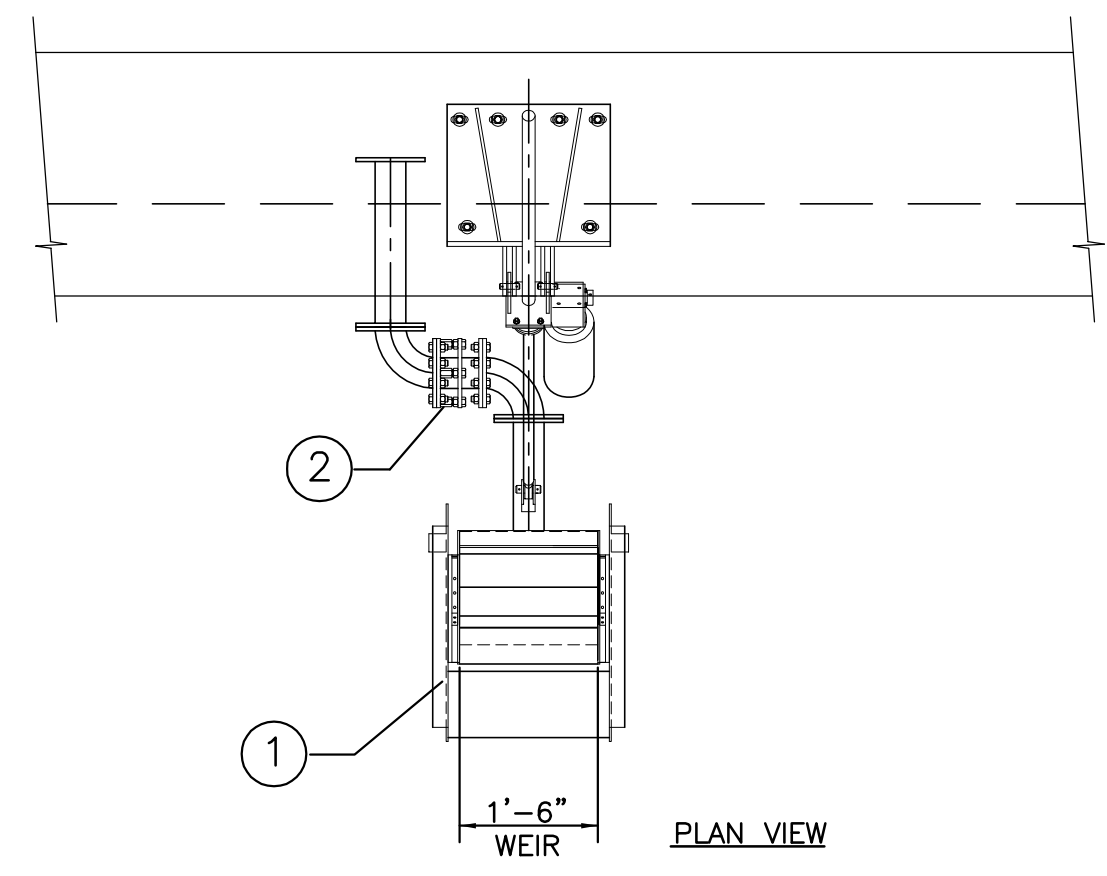
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|--|---|
| JEFFREY B. FERTICH, PE 26 NORTH FOURTH STREET GETTYSBURG, PA 17325 717-337-1335 |  |
| ENGINEER OF RECORD FOR STRUCTURAL INFORMATION ONLY | |

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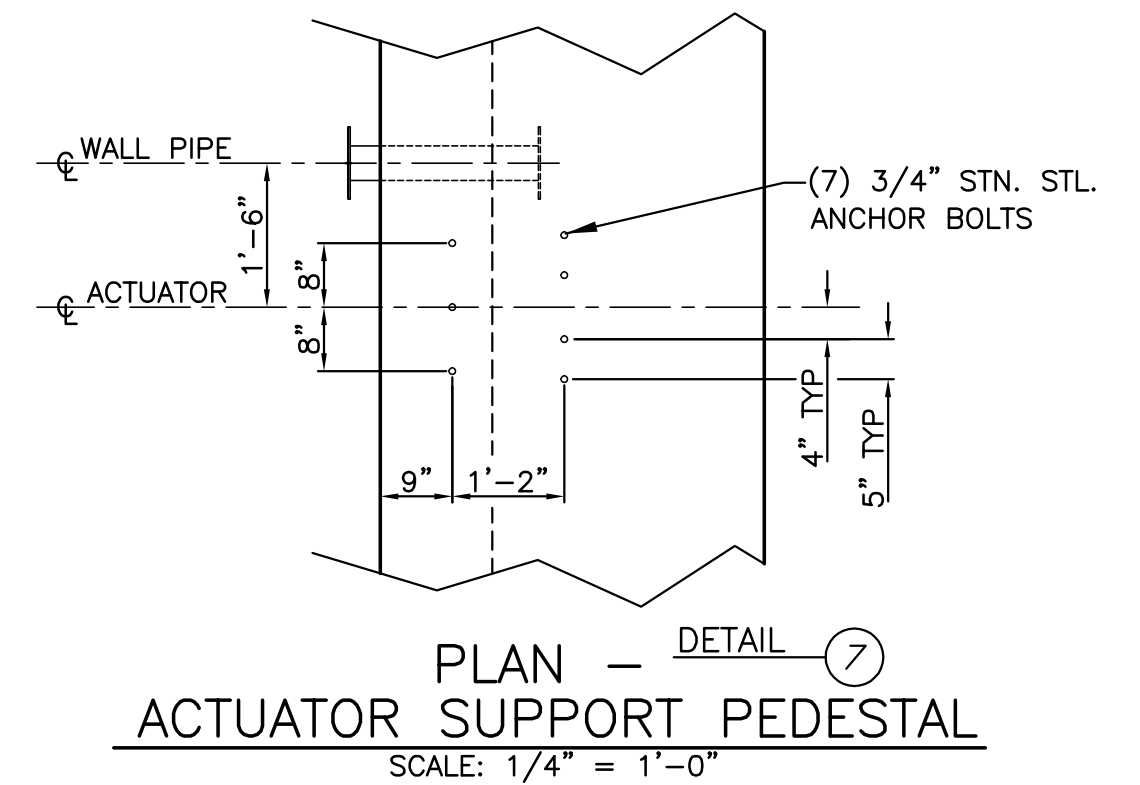
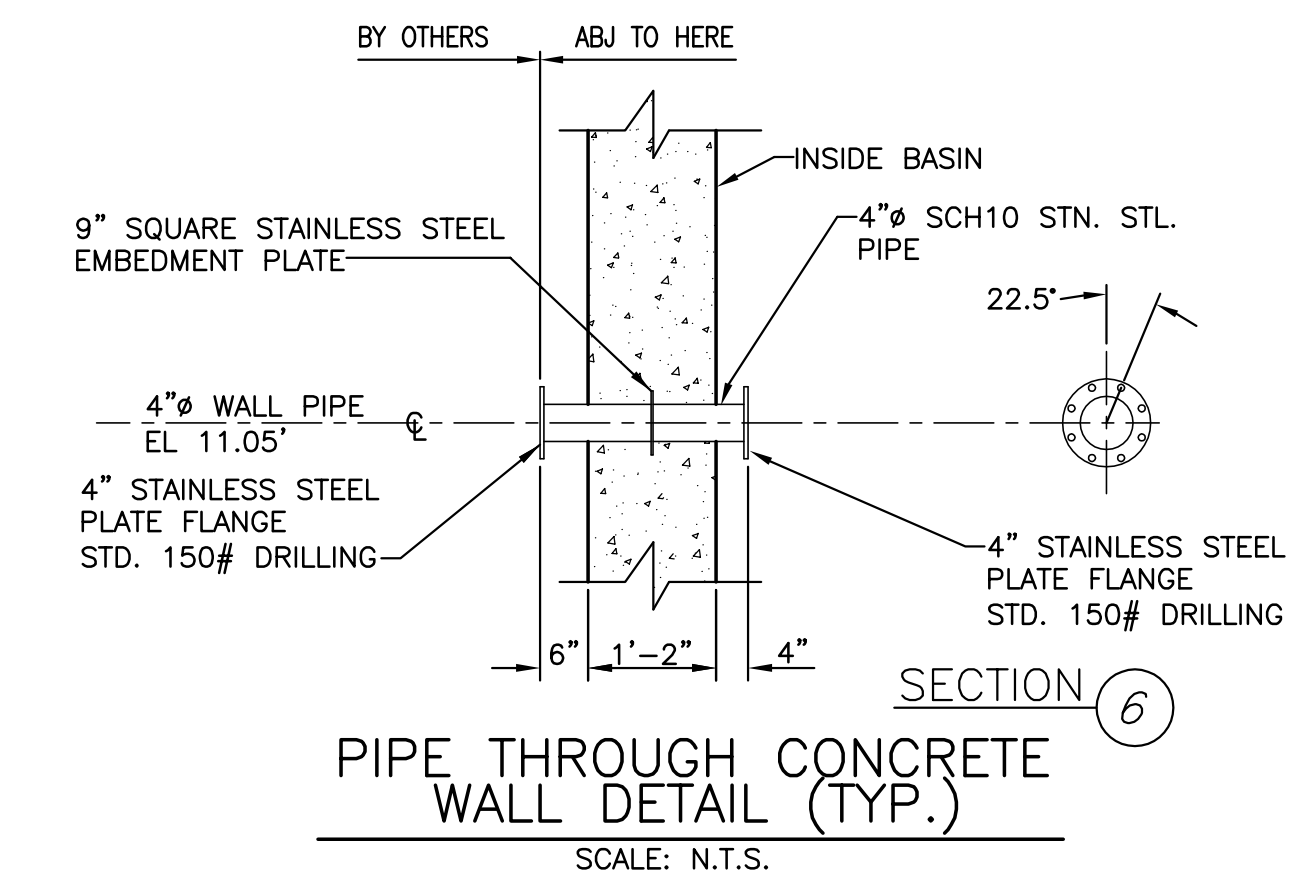
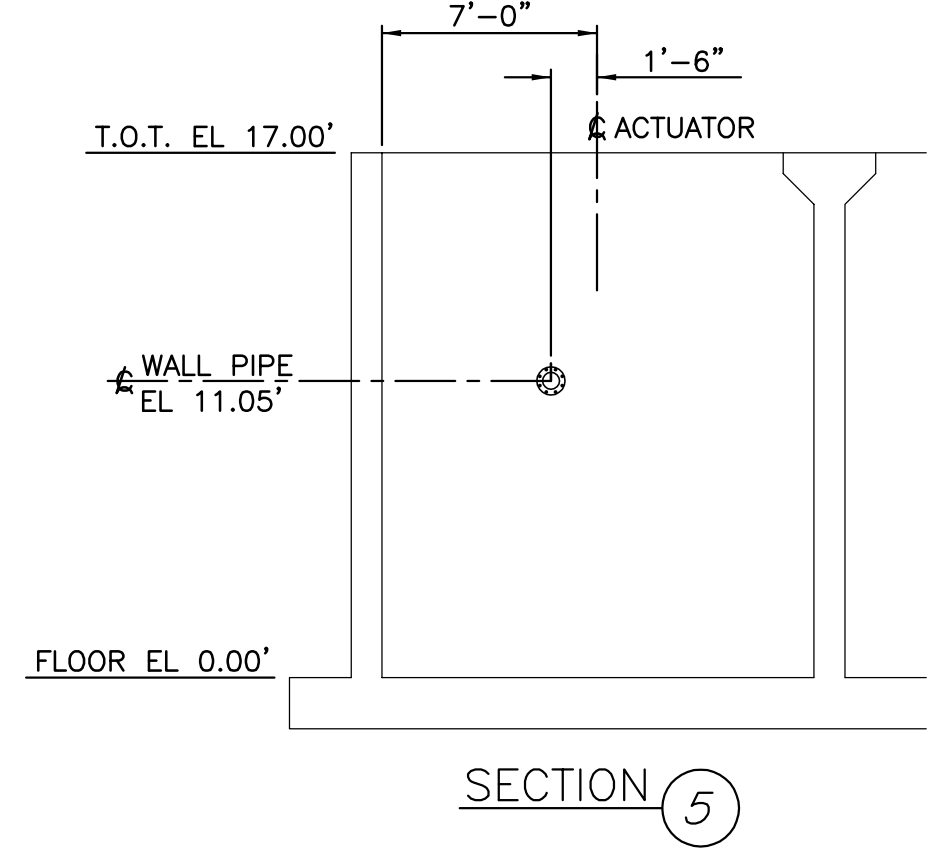
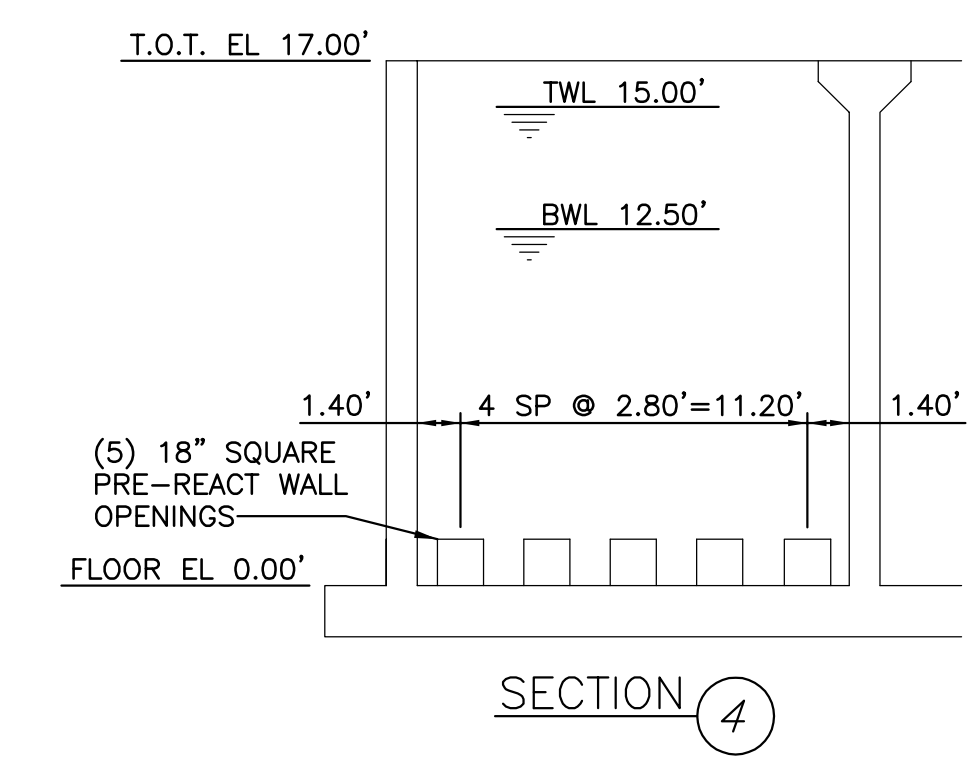
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| DESIGNED BY: | CHECKED BY: | | |
| JBF | WPH | | |

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|---|-----------------------|
| STRUCTURAL SPECIFICATIONS | SCALE AS SHOWN |
| JOSHUA HILL SEWER COMPANY, LLC WASTEWATER TREATMENT FACILITY WEST MANHEIM TOWNSHIP, YORK COUNTY, PA | SHEET NO. 18 OF 31 |

| ITEM | QTY | DESCRIPTION | MAT'L. |
|------|-----|--|----------|
| 1 | 1 | 1'-6" WEIR DECANTER SUB-ASSEMBLY | S.S. |
| 2 | 1 | SWIVEL JOINT, 4" FLANGED - DUFF NORTON | S.S. |
| 3 | 1 | CONNECTING ROD | S.S. |
| 4 | 1 | ACTUATOR BRACKET ASSEMBLY | S.S. |
| 5 | 2 | 4" GASKET, STD. 150# DRILLING | NEOPRENE |
| 6 | 7 | PLATE WASHER 2"x 2"x 1/4" | S.S. |
| 7 | 1 | ACTUATOR, MODEL 9002 | - |
| 8 | | | |
| 9 | 8 | BOLT, HEX HEAD, 3/8-16UNC X 1 3/4" LG | S.S. |
| 10 | 8 | NUT, HEX HEAD, 3/8-16UNC | S.S. |
| 11 | 16 | BOLT, HEX HEAD, 5/8-11UNC X 2" LG | S.S. |
| 12 | 16 | NUT, HEX HEAD, 5/8-11UNC | S.S. |
| 13 | 1 | BOLT, HEX HEAD, 3/4-10UNC X 2-3/4" LG | S.S. |
| 14 | 2 | NUT, HEX HEAD, 3/4-10UNC | S.S. |
| 15 | | | |
| 16 | 7 | 3/4" X 9 5/8" LG ADHESIVE ANCHOR | S.S. |
| 17 | | W/2 NUTS & WASHER, 6 1/2" EMBEDMENT | |
| 18 | | HILTI OR EQUAL | |
| 19 | | | |
| 20 | | | |



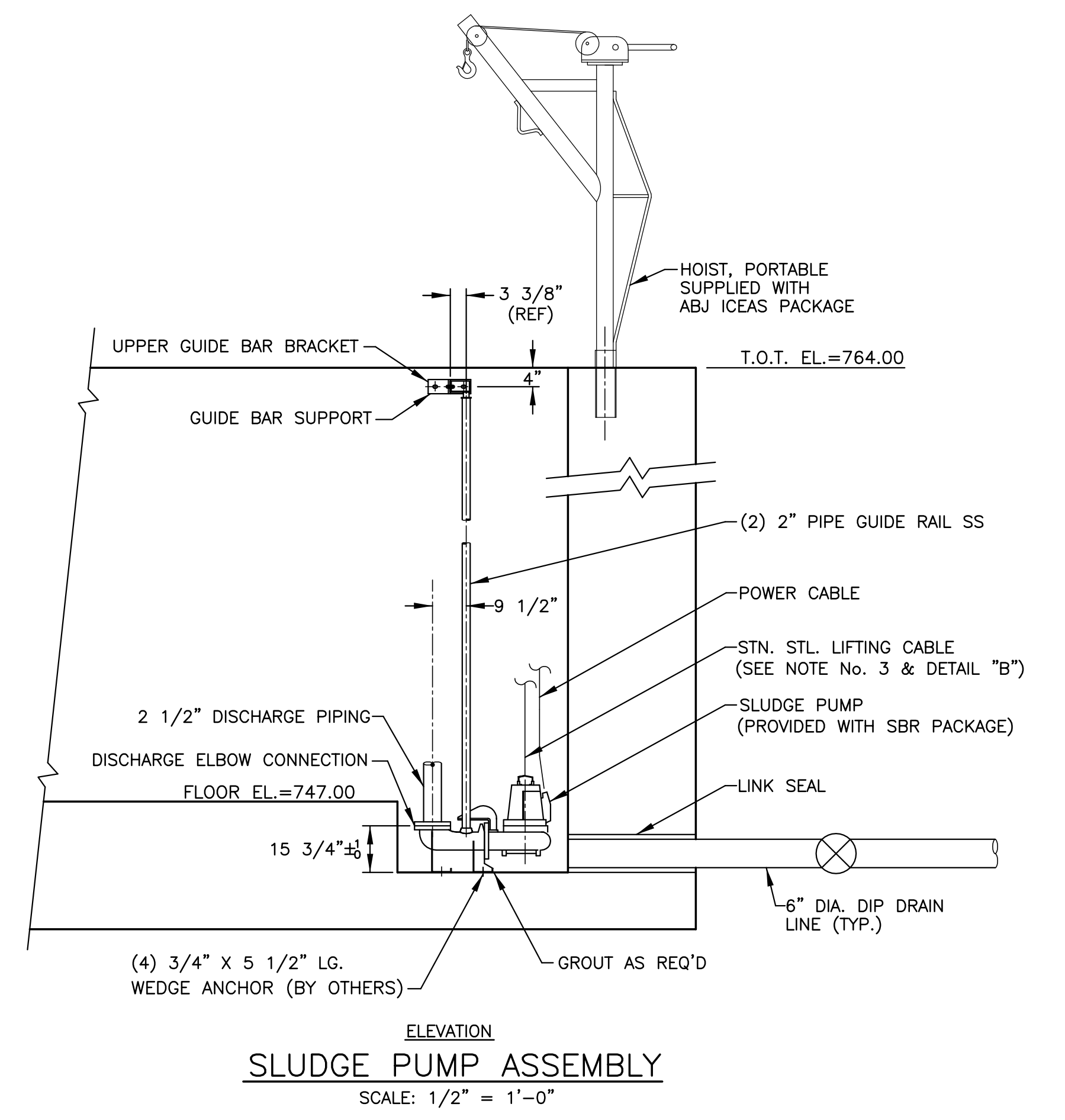
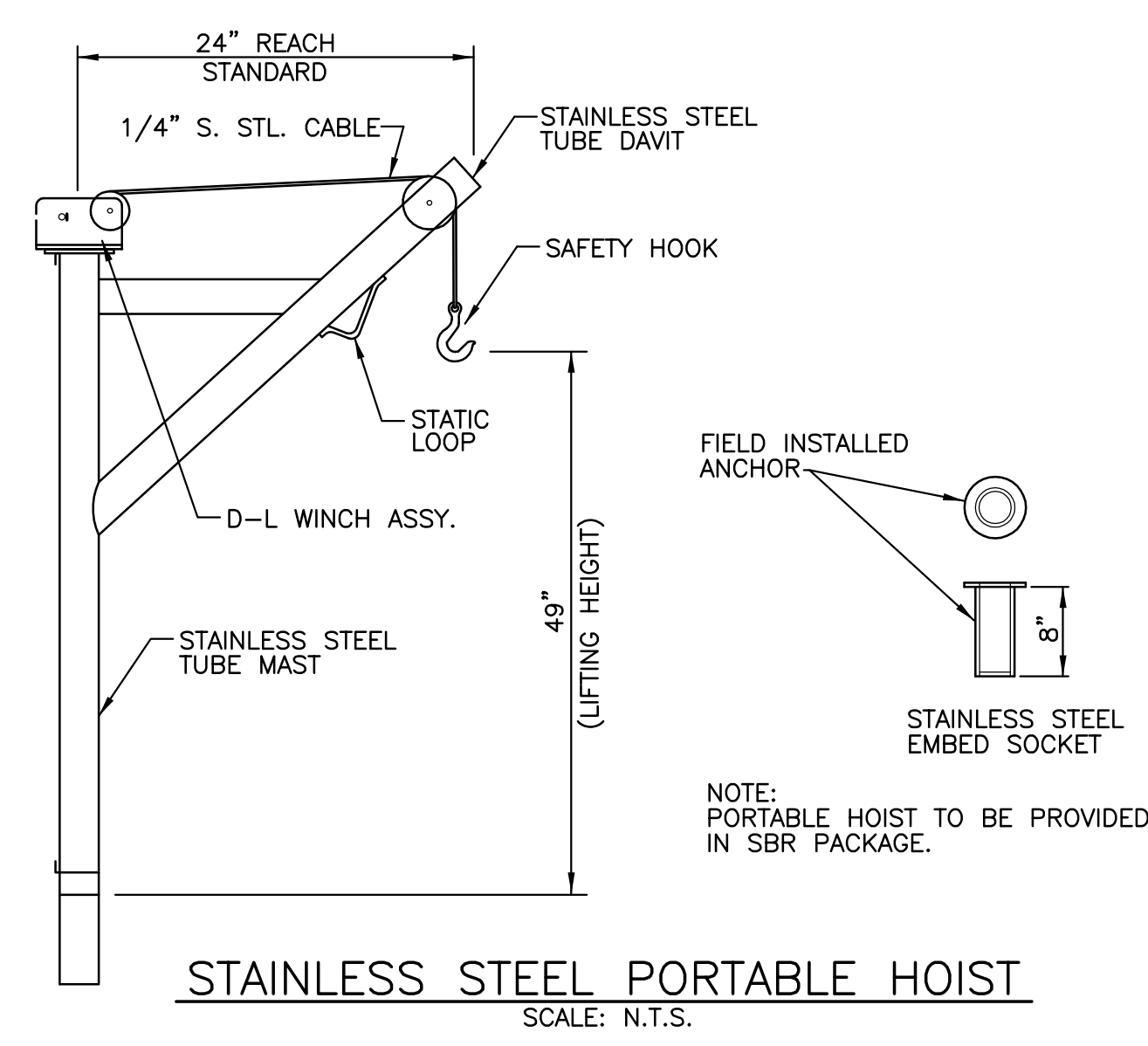
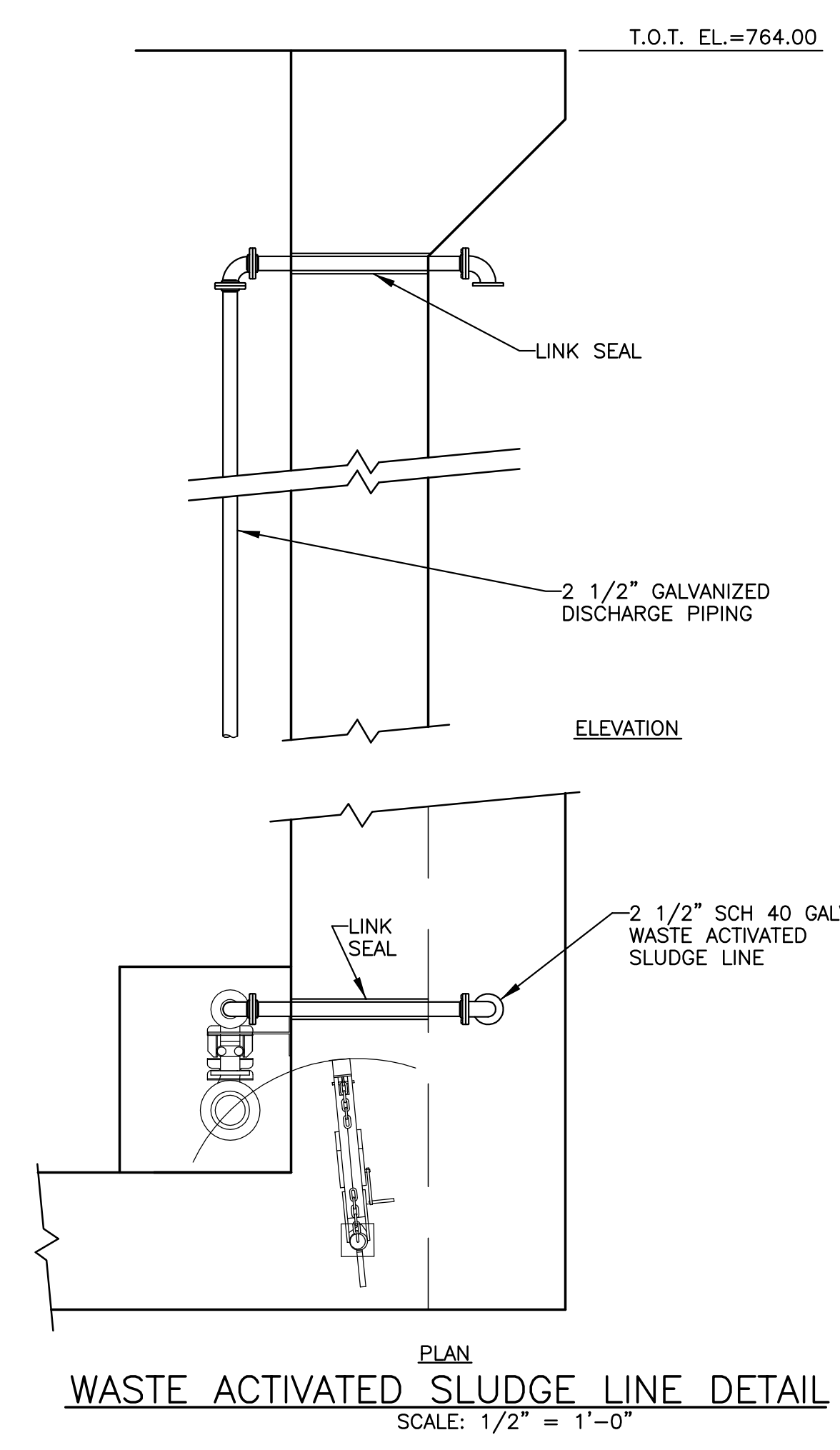
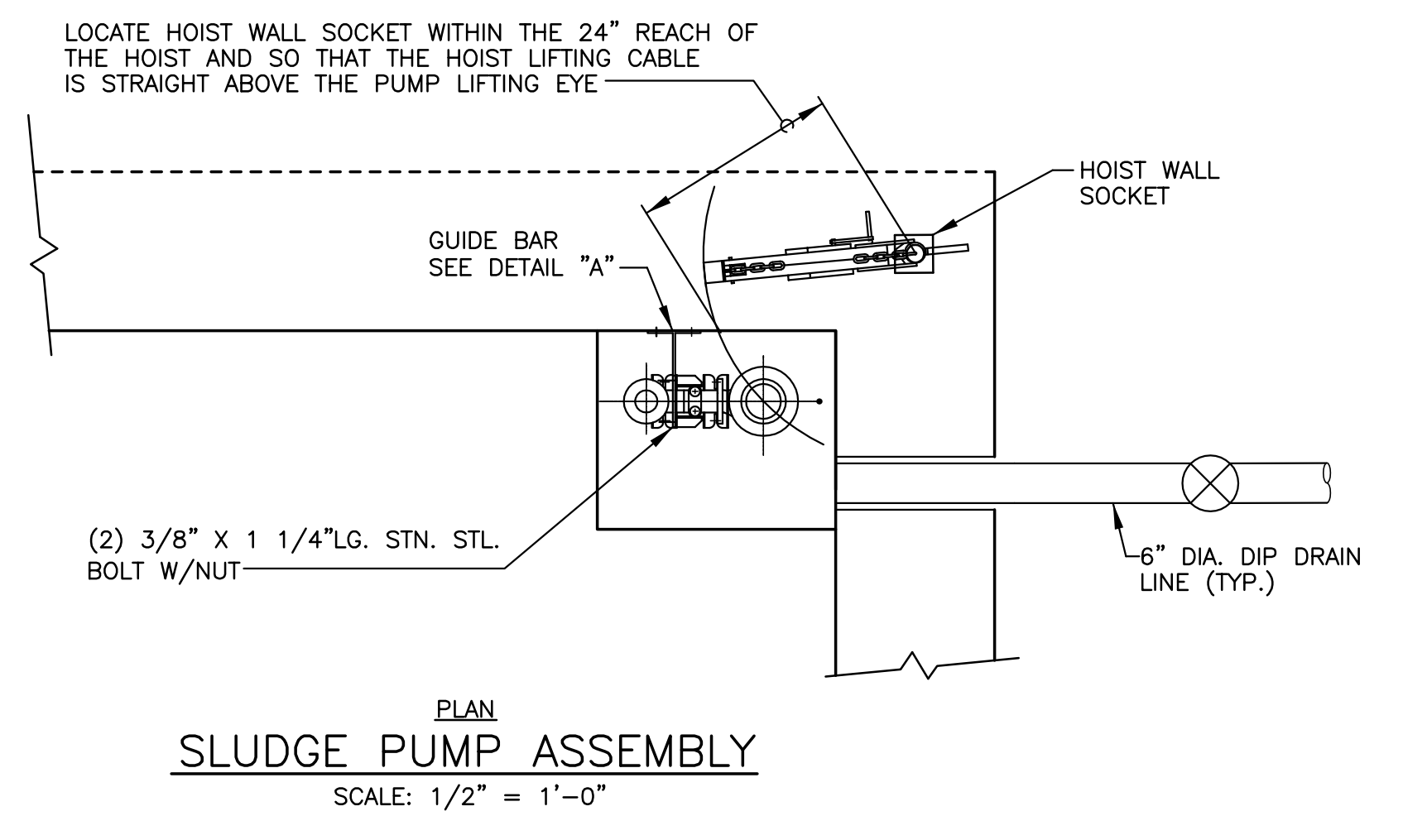
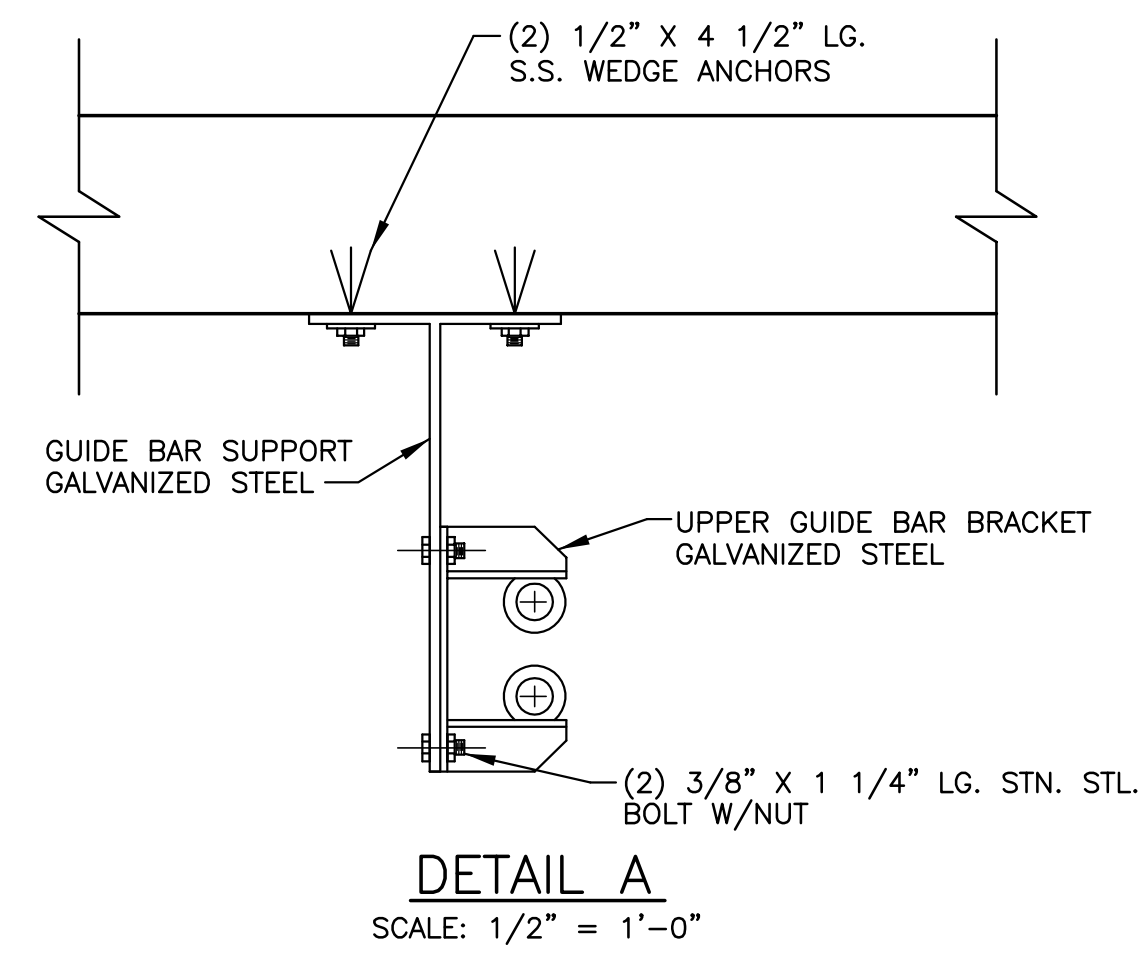
WEIR DECANTER DETAIL
SCALE: N.T.S.



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| PFH | WPH | | |

DECANTER DETAILS
SCALE AS SHOWN
JOSHUA HILL SEWER COMPANY, LLC
WASTEWATER TREATMENT FACILITY
WEST MANHEIM TOWNSHIP, YORK COUNTY, PA
SHEET NO. 19 OF 31



- NOTES:**
- DRAWING IS FOR ONE ASSEMBLY. TOTAL REQUIRED: 2
 - LOCATE UPPER GUIDE BAR BRACKET WITH DISCHARGE ELBOW. GUIDE BARS TO BE PLUMBED AFTER PUMP IS ANCHORED.
 - COIL AND TIE WRAP EXCESS HOISTING CABLE TO RAILING AS NECESSARY FOR ALL BUT ONE OF THE PUMPS. ONE UNIT'S CABLE CAN BE ATTACHED DIRECTLY TO THE HOIST.

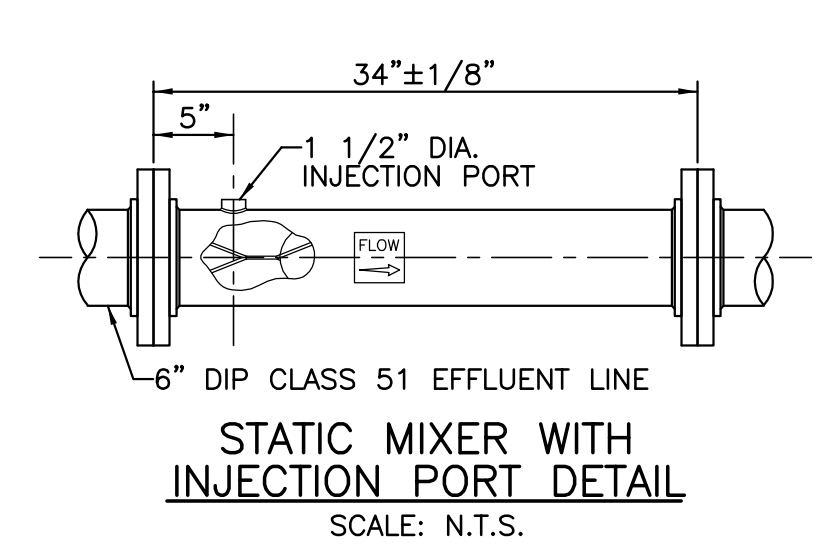
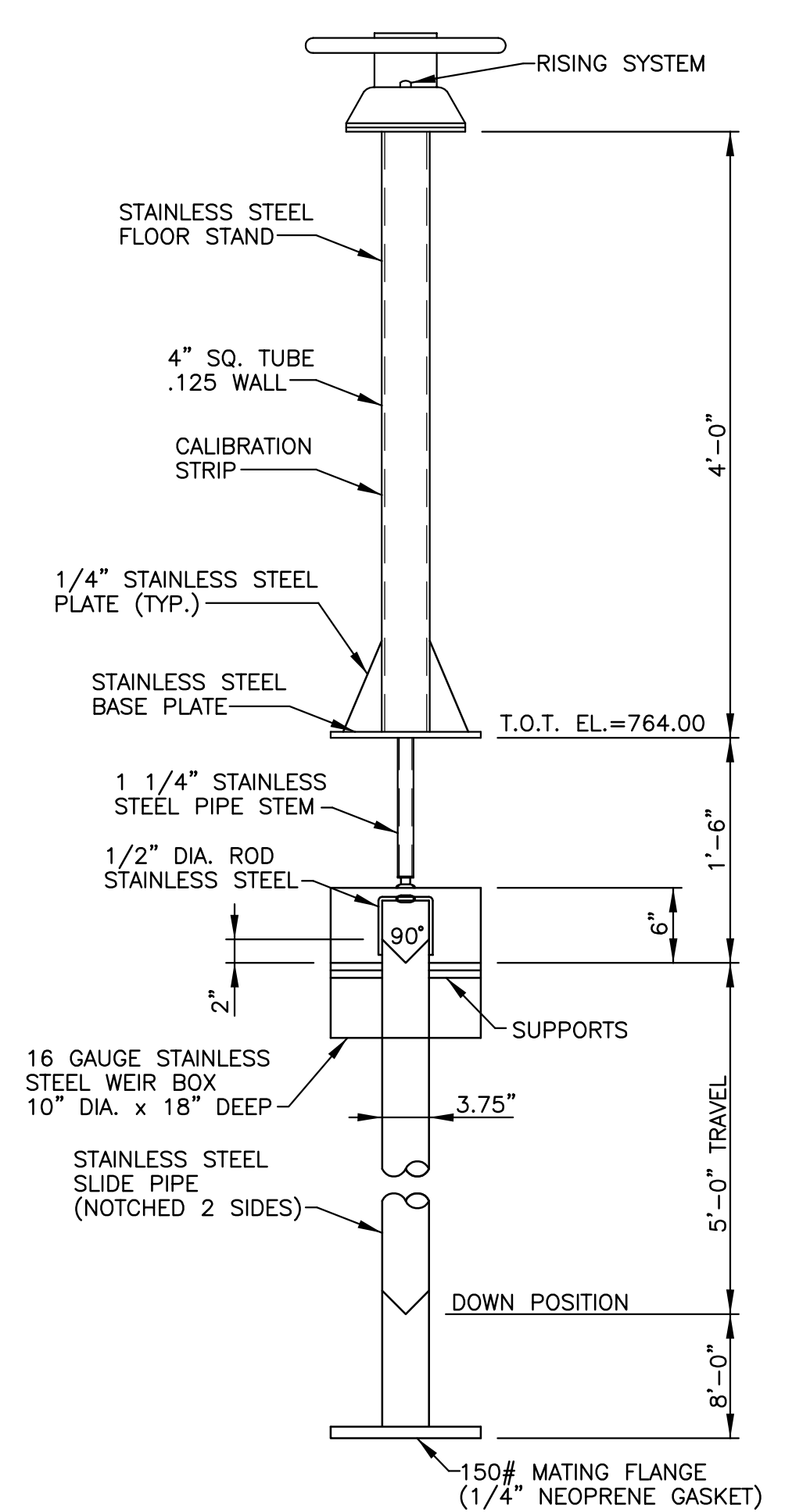
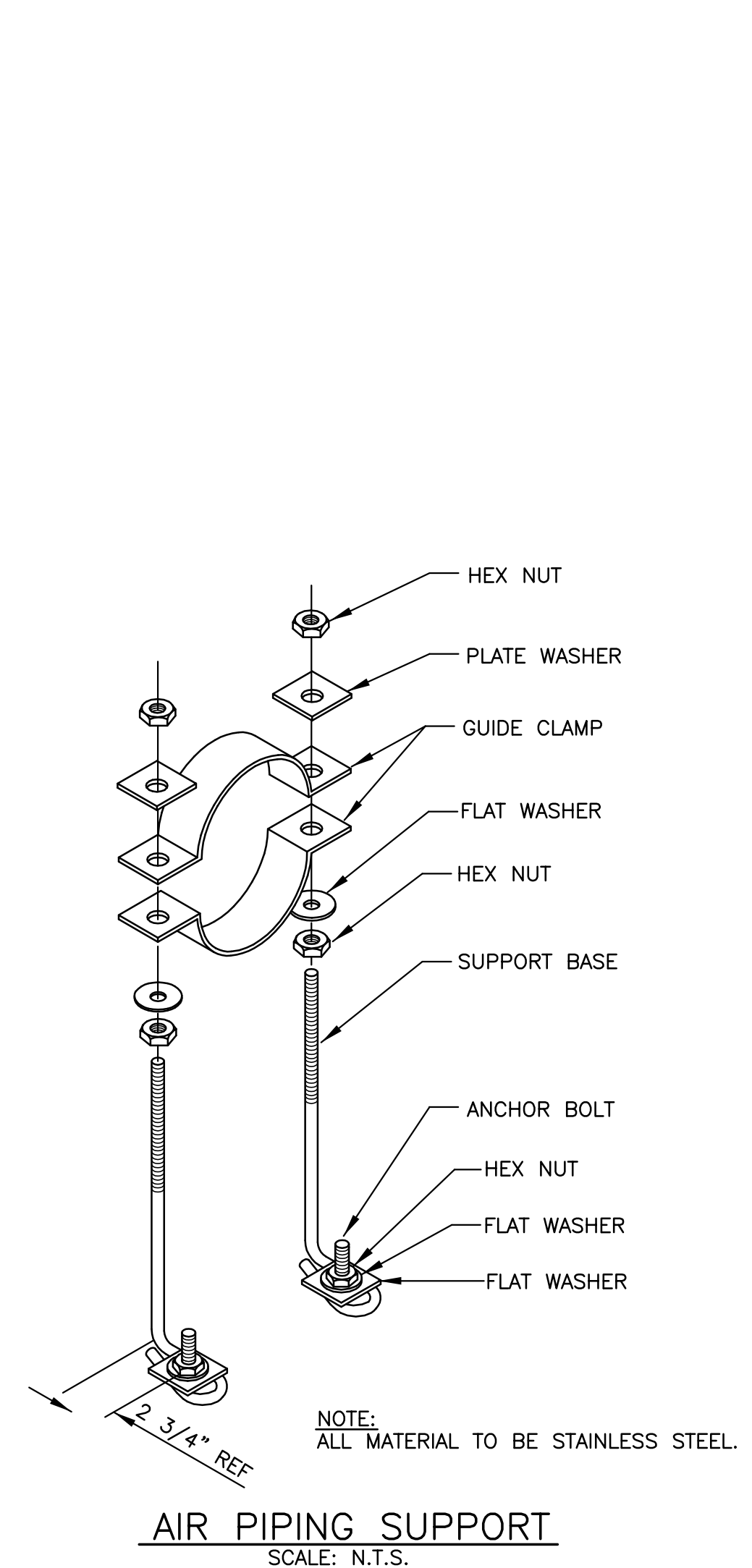
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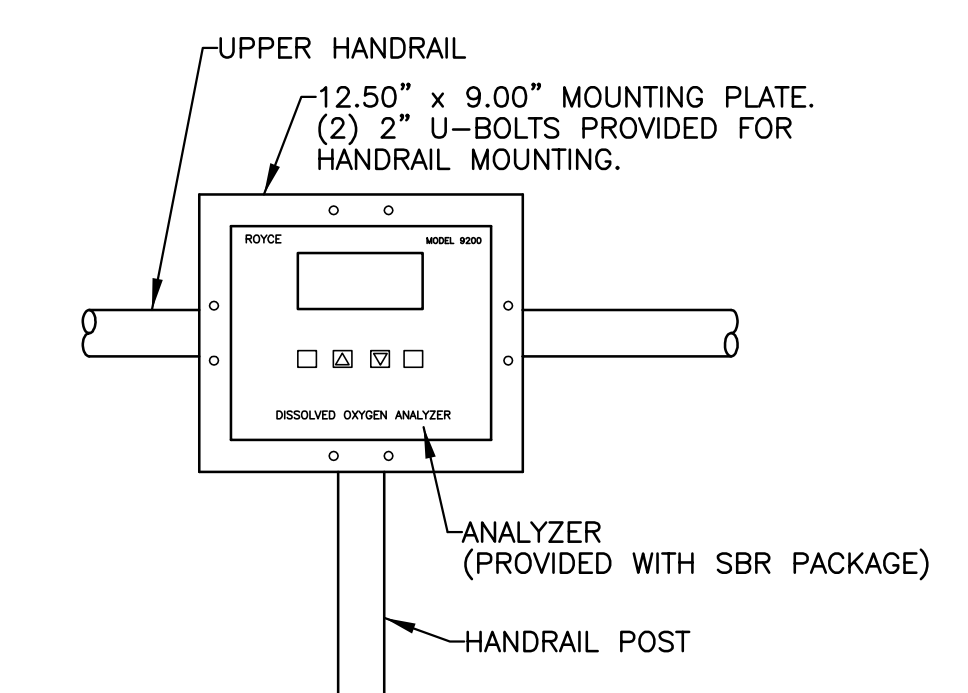
SLUDGE PUMP ASSEMBLY DETAILS

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 WASTEWATER TREATMENT FACILITY
 WEST MANHEIM TOWNSHIP, YORK COUNTY, PA

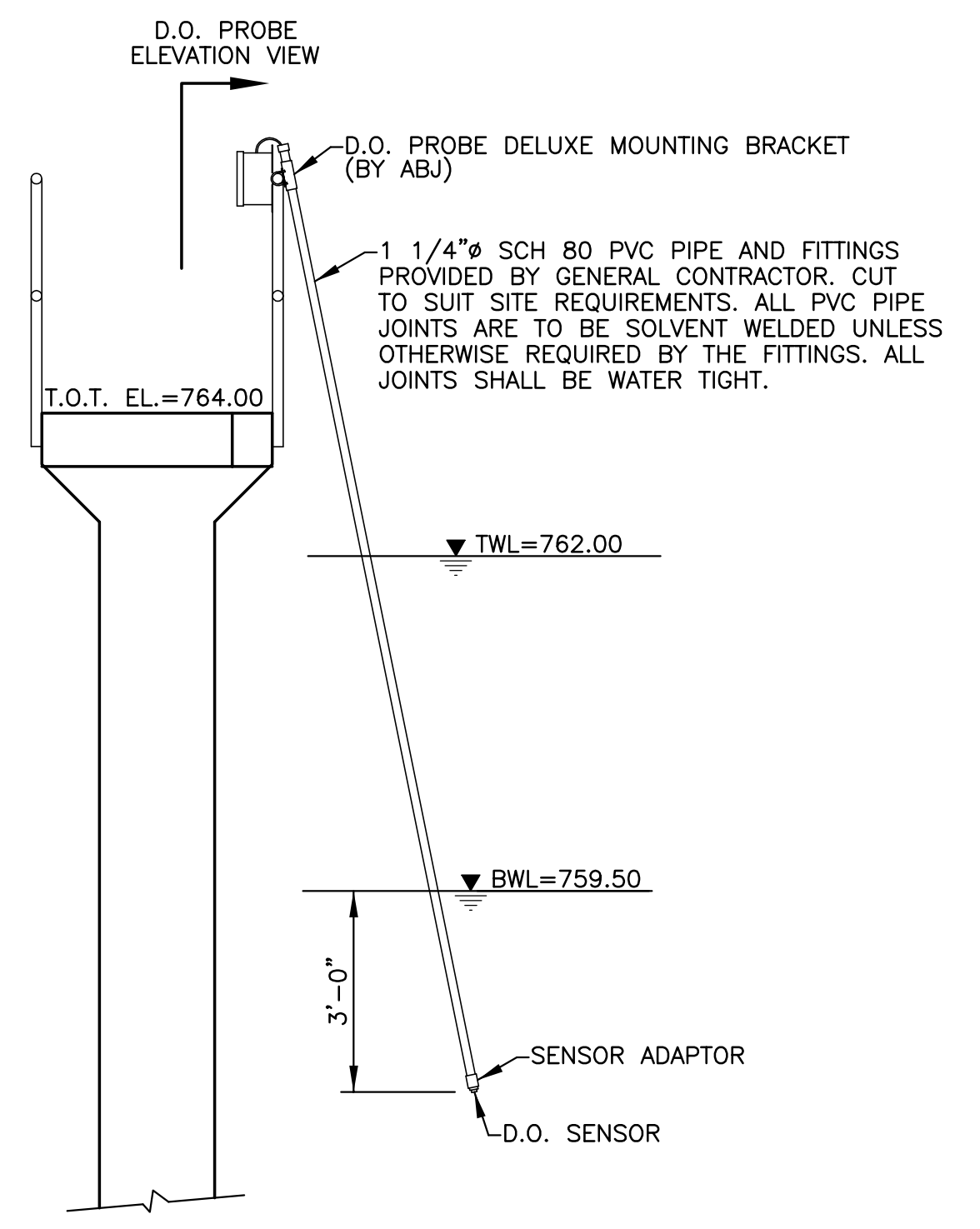
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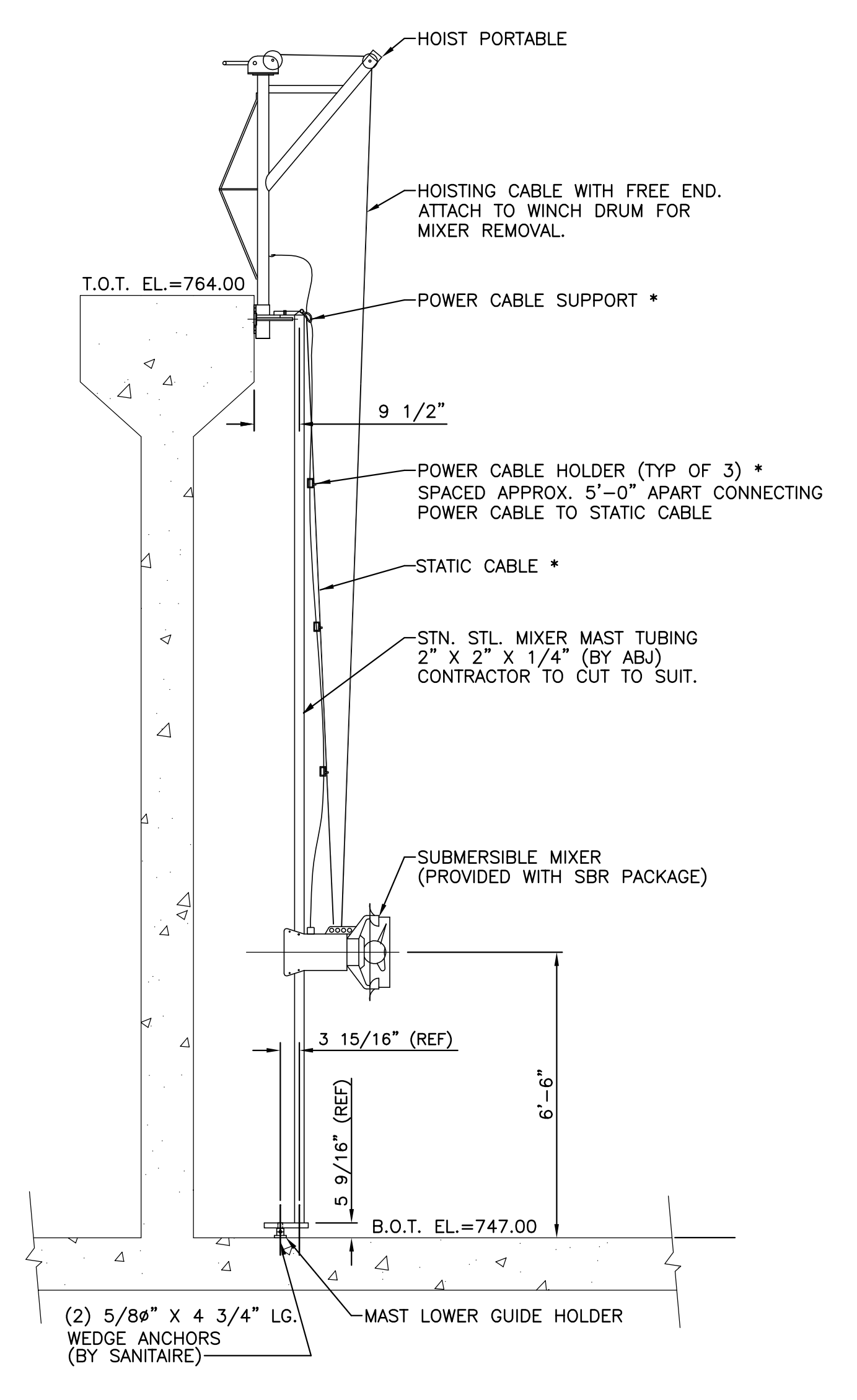
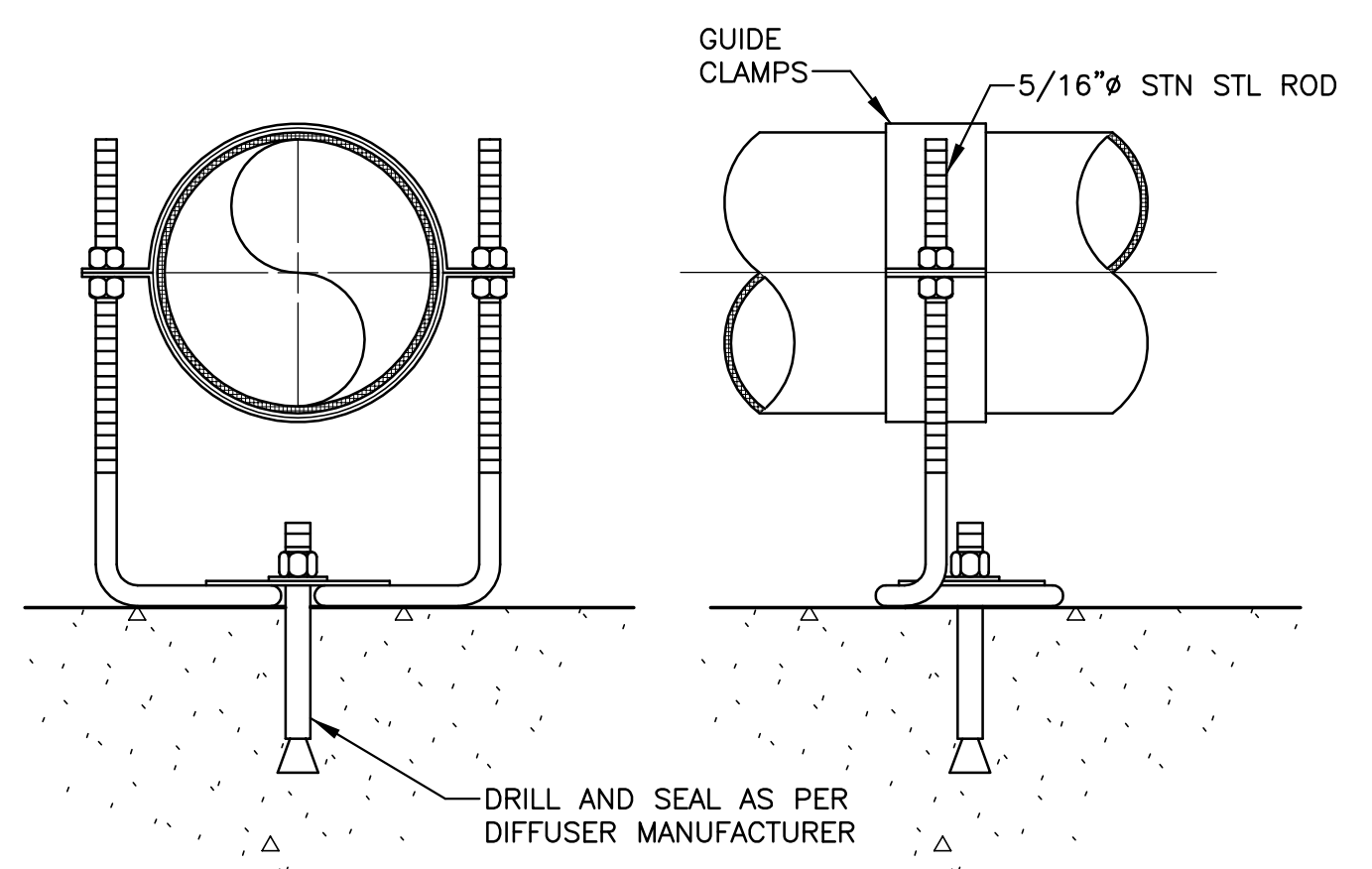
NOTE:
STATIC MIXER AS MANUFACTURED BY KOMAX SYSTEMS, INC. OR APPROVED EQUAL.



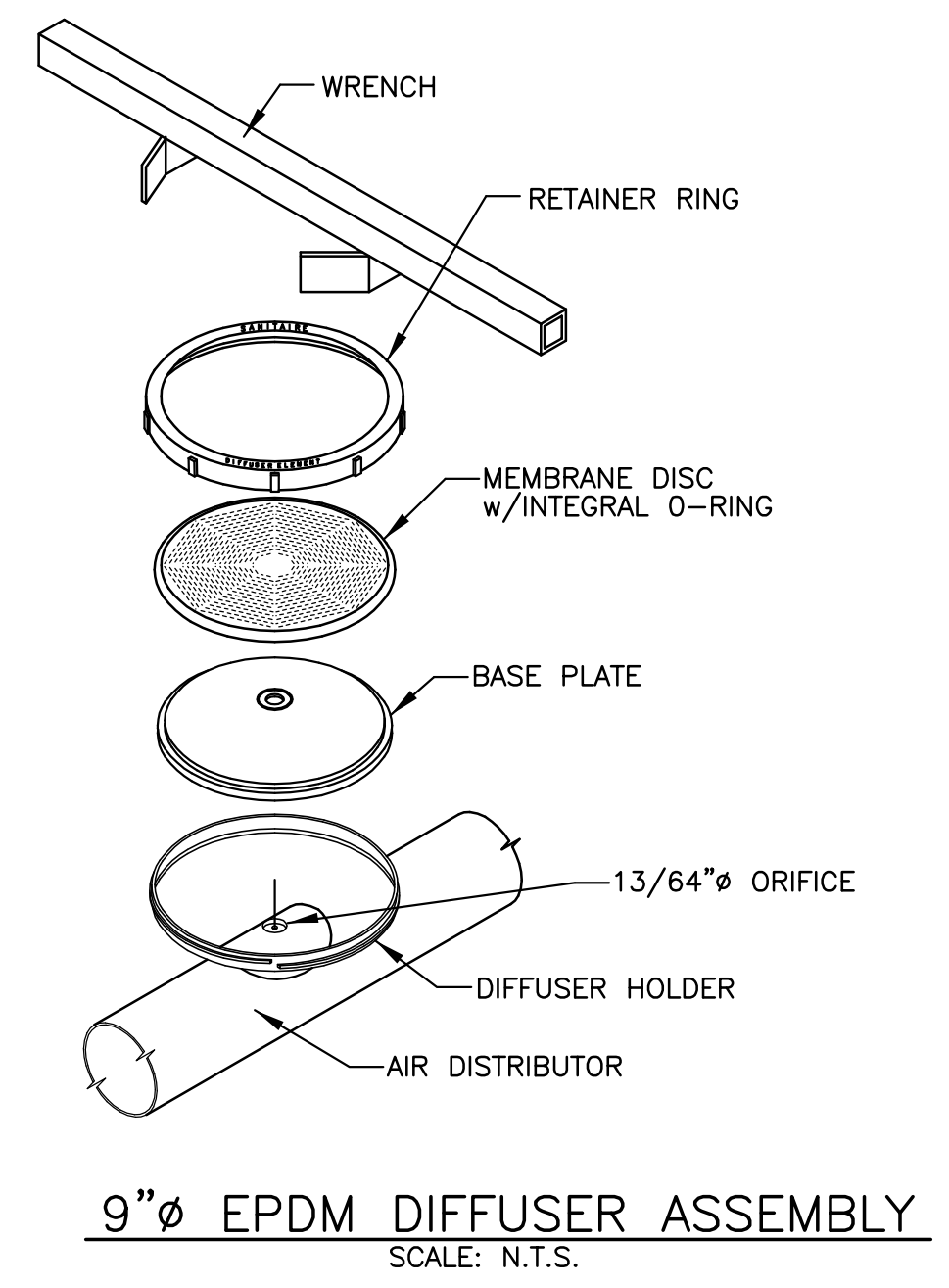
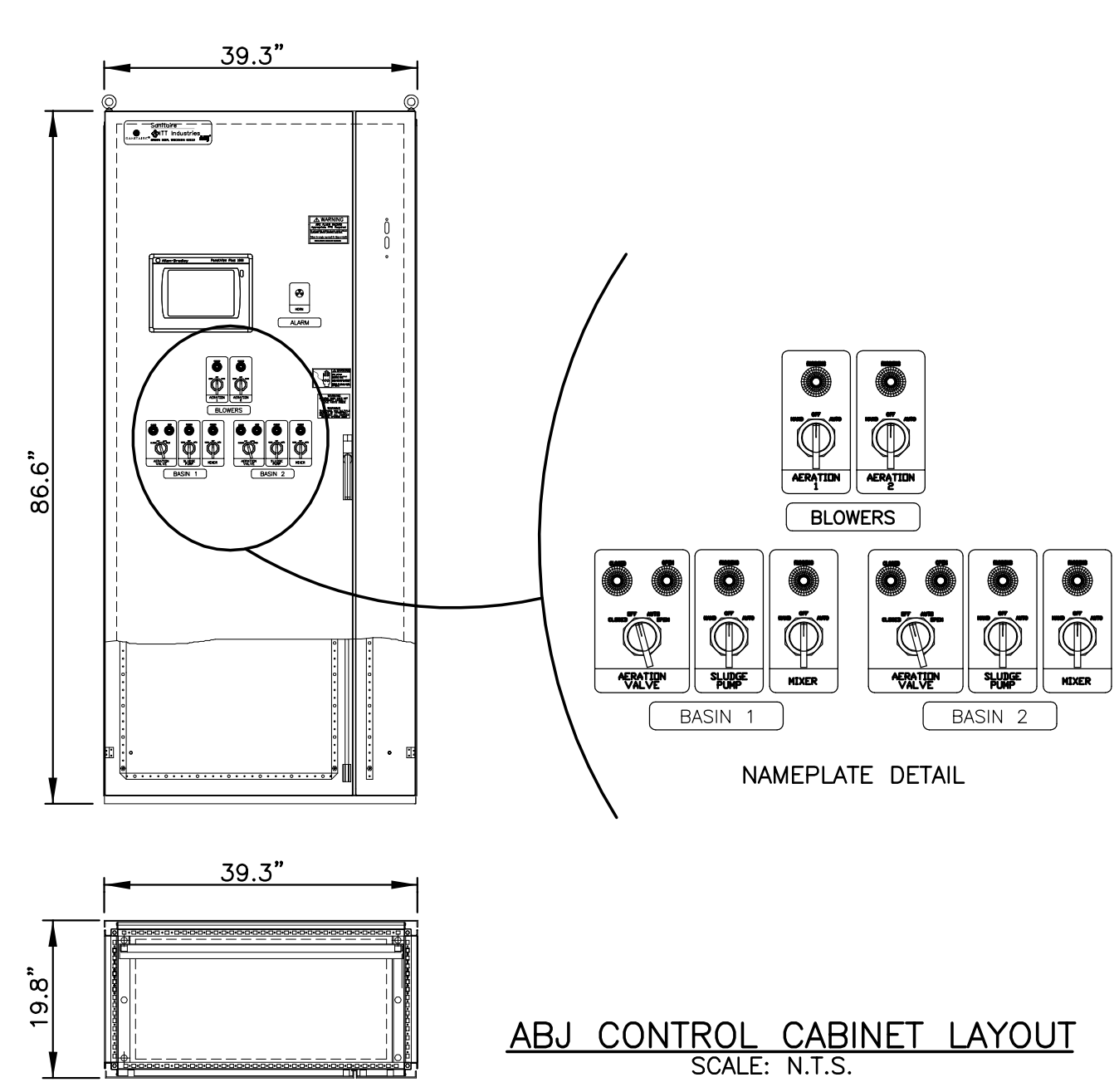
NOTE:
ANALYZER CAN BE MOUNTED ON EITHER HORIZONTAL OR VERTICAL HANDRAIL POSTS.



NOTE:
ONE D.O. PROBE REQUIRED PER TANK, 2 PROBES TOTAL.



NOTE:
ONE MIXER REQUIRED PER TANK, 2 MIXERS TOTAL.



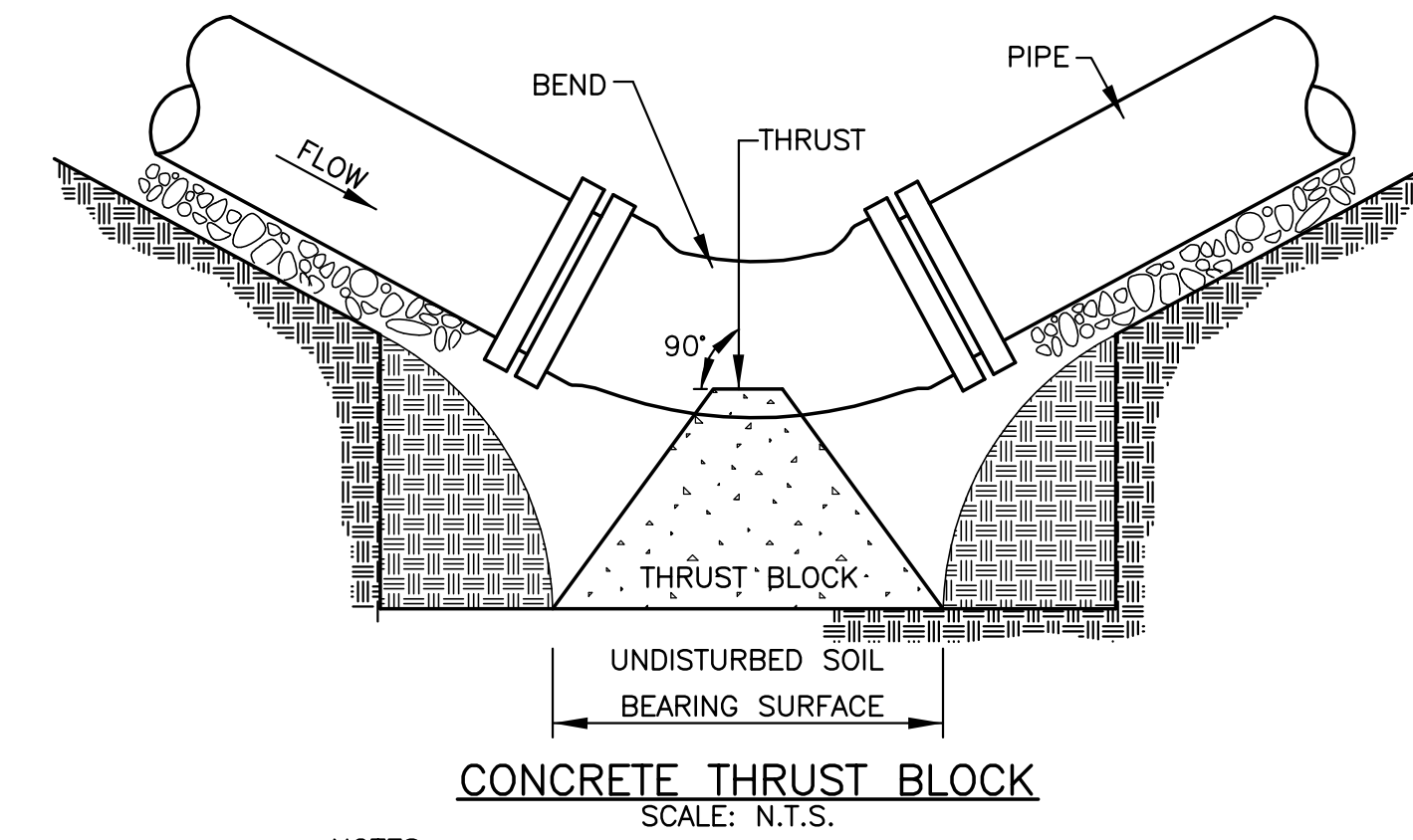
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| DESIGNED BY: | CHECKED BY: | | |
| PFH | WPH | | |

MIXER, D.O. PROBE, TELESCOPIC VALVE AND ACCESSORIES DETAILS

JOSHUA HILL SEWER COMPANY, LLC
WASTEWATER TREATMENT FACILITY
WEST MANHEIM TOWNSHIP, YORK COUNTY, PA

SCALE AS SHOWN
SHEET NO. 21 OF 31

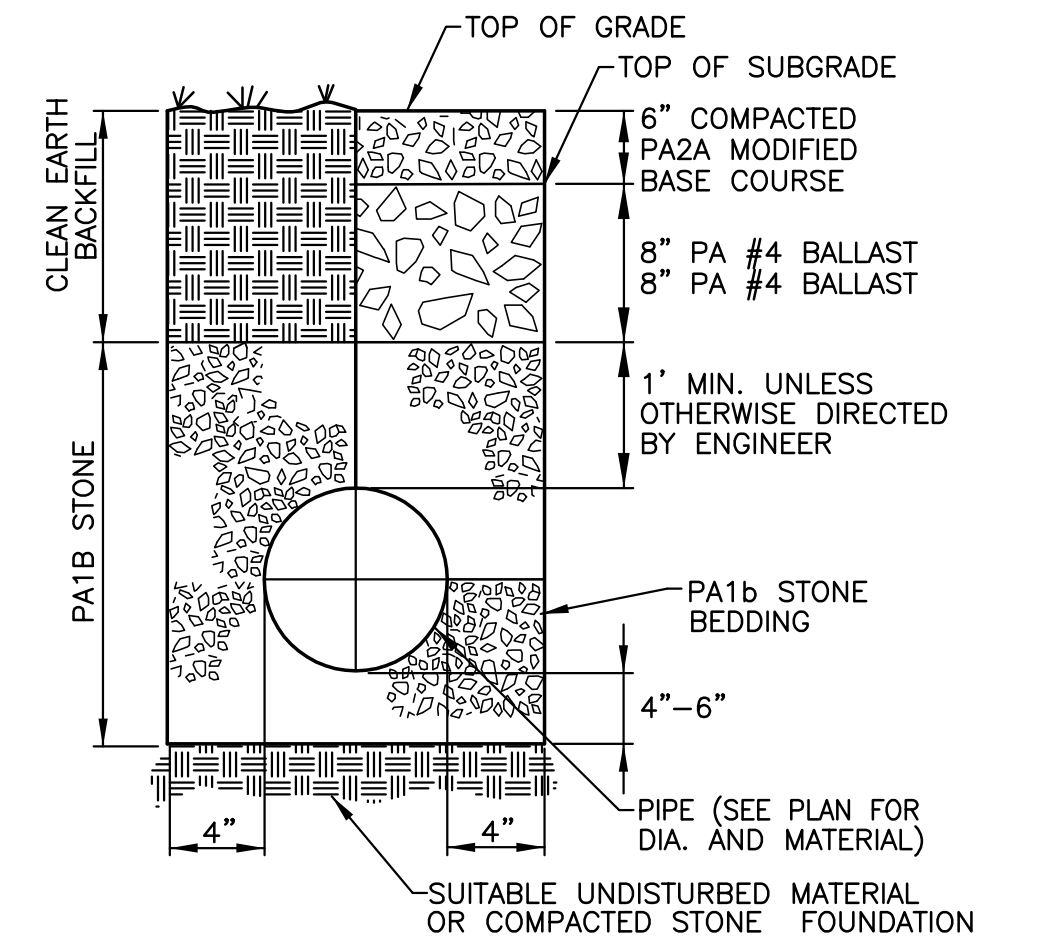


CONCRETE THRUST BLOCK
SCALE: N.T.S.

- NOTES:
1. ALL CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI.
2. ALL REINFORCING STEEL SHALL BE DEFORMED BARS.

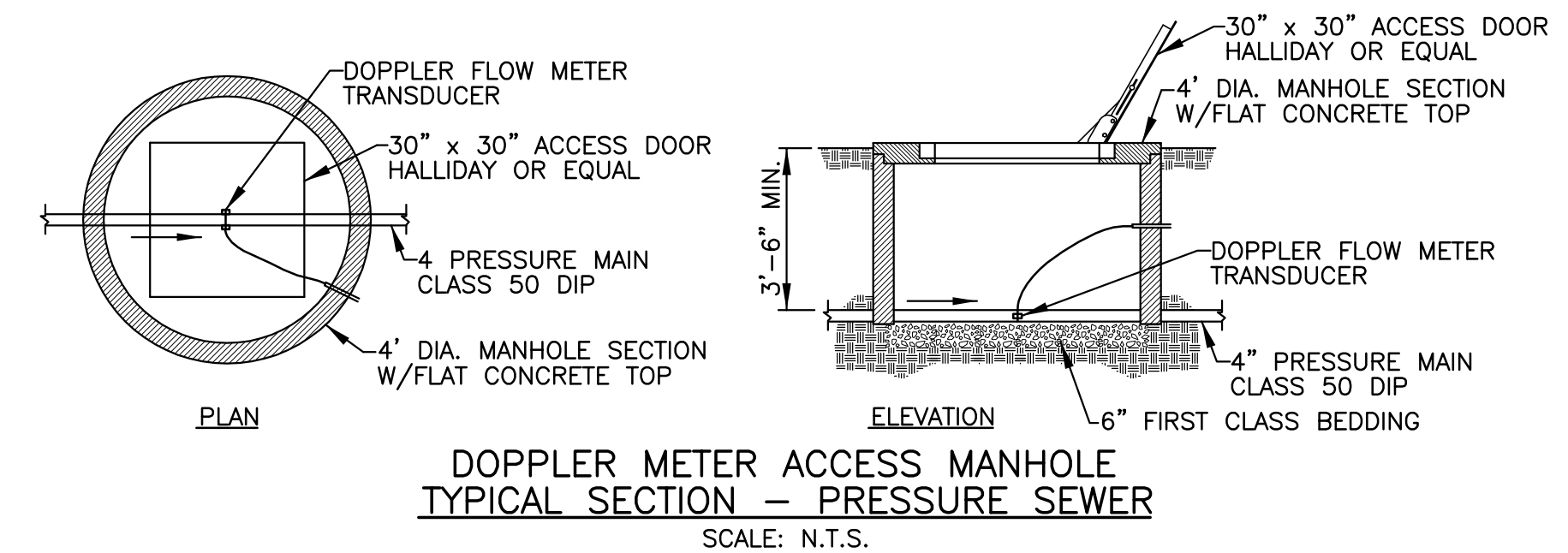
THRUST BLOCK BEARING SURFACE REQUIREMENTS

| PIPE SIZE (IN) | 90° ELBOW | 45° ELBOW | VALVES, TEES AND DEAD ENDS |
|----------------|----------------------|---------------------|----------------------------|
| 2" | 1.0 FT ² | 1.0 FT ² | 1.0 FT ² |
| 6" | 5.5 FT ² | 3.0 FT ² | 4.0 FT ² |
| 8" | 9.5 FT ² | 5.0 FT ² | 6.5 FT ² |
| 10" | 14.0 FT ² | 7.6 FT ² | 11.0 FT ² |

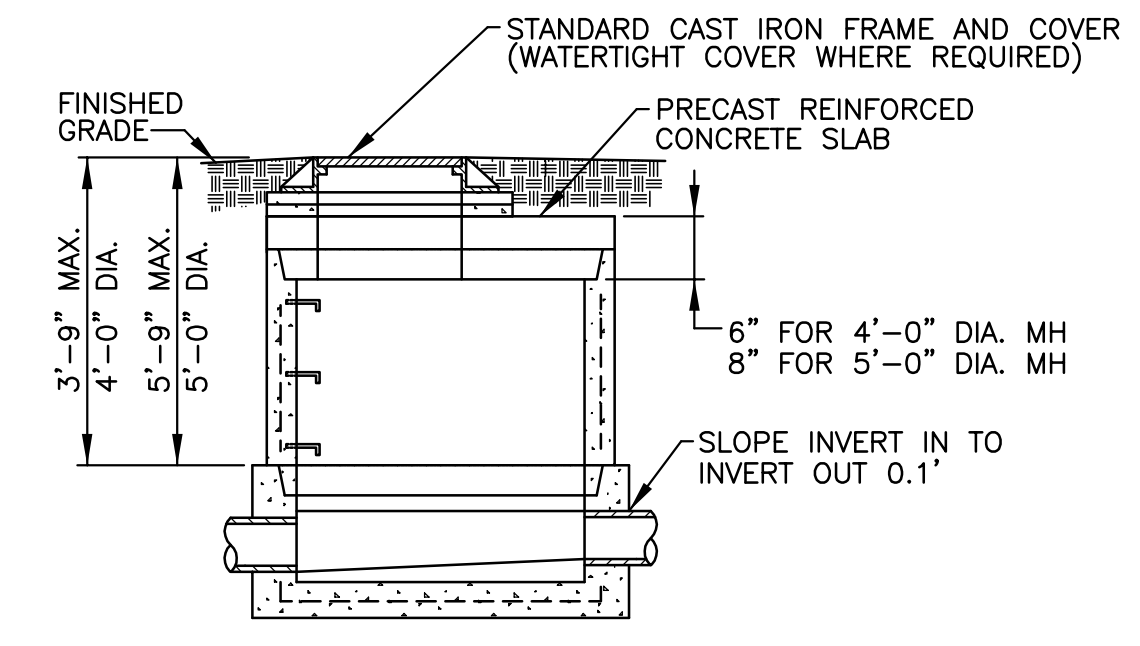


SANITARY SEWER TRENCH SECTION
SCALE: N.T.S.

- NOTES:
1. PIPE BEDDED TO ITS CENTERLINE IN COMPACTED GRANULAR MATERIAL, 4 INCH MINIMUM UNDER PIPE. COMPACTED GRANULAR OR SELECT MATERIAL TO TOP OF PIPE (APPROXIMATELY 95% STANDARD PROCTOR, AASHTO T-99.) SELECT MATERIAL IS DEFINED AS NATIVE SOIL EXCAVATED FROM THE TRENCH, FREE OF ROCKS, FOREIGN MATERIAL AND FROZEN EARTH.

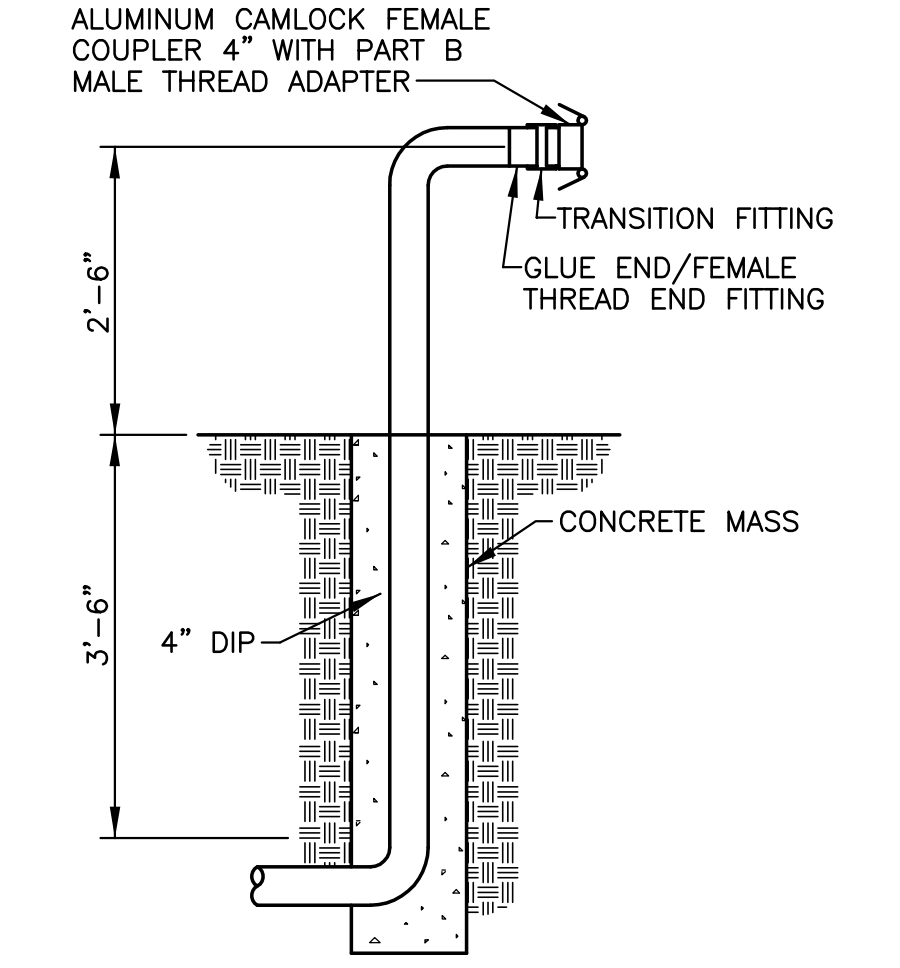


DOPPLER METER ACCESS MANHOLE TYPICAL SECTION - PRESSURE SEWER
SCALE: N.T.S.

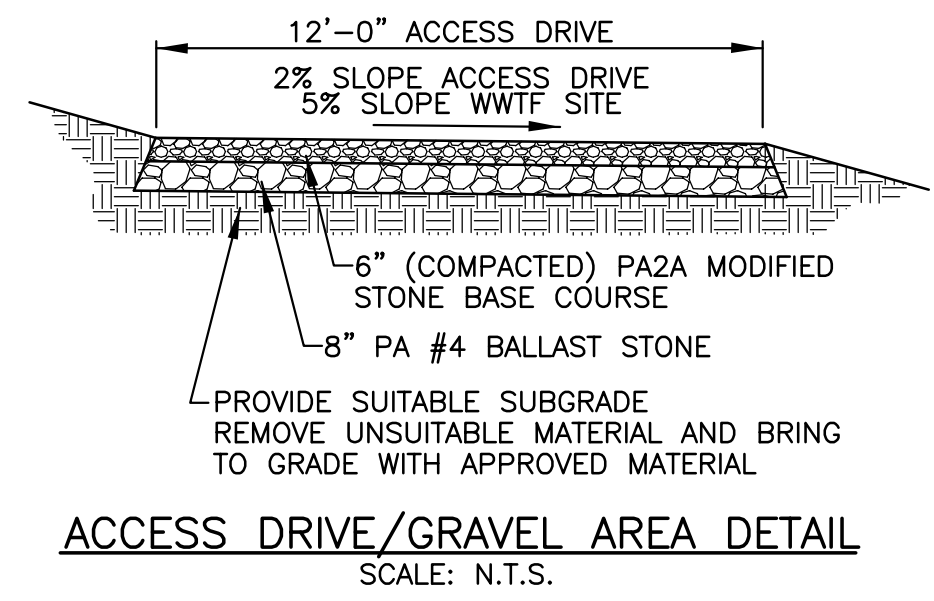


TYPE 'B' FLAT TOP PRECAST CONCRETE MANHOLE DETAILS
SCALE: 3/8" = 1'-0"

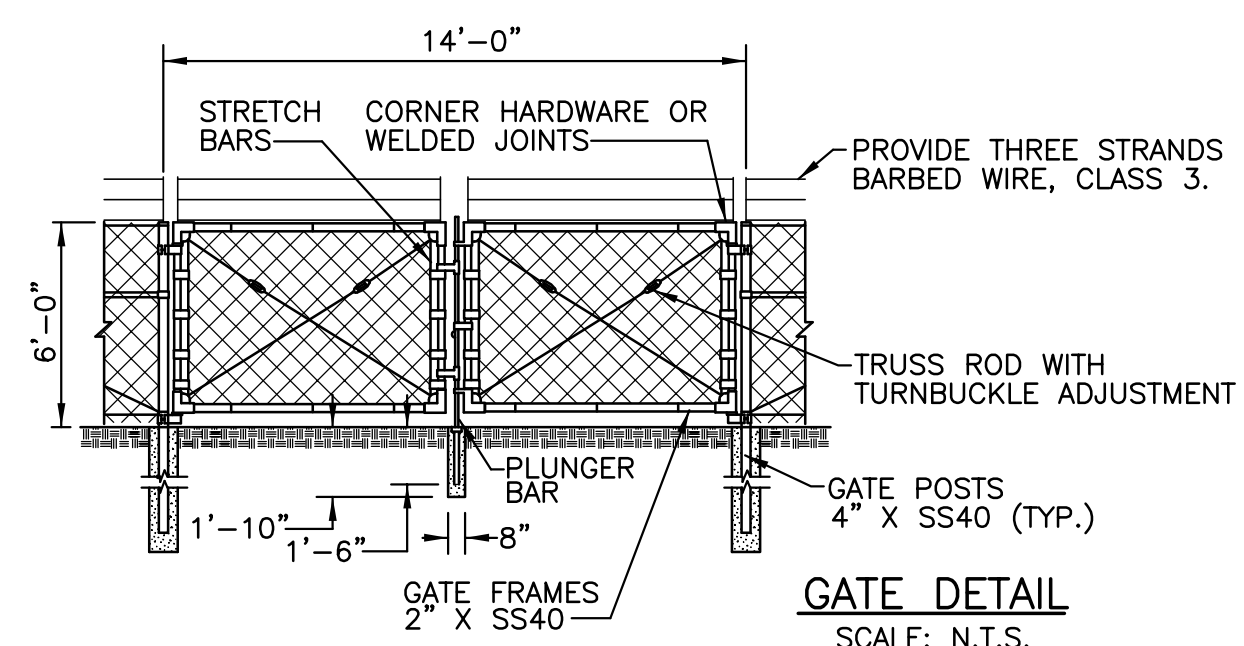
- NOTE:
TYPE 'B' MANHOLE TO BE SAME AS TYPE 'A' MANHOLE EXCEPT AS OTHERWISE NOTED.



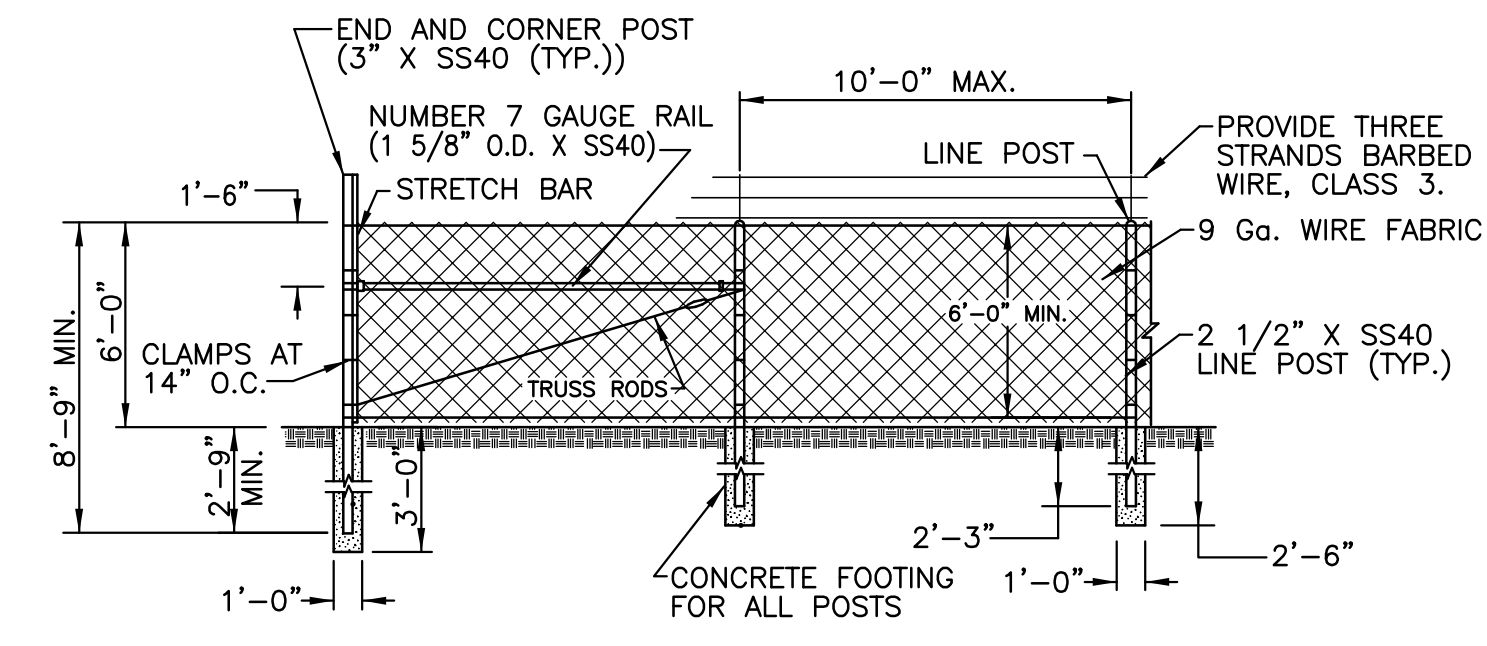
4" TRUCK CONNECTION FITTING
SCALE: N.T.S.



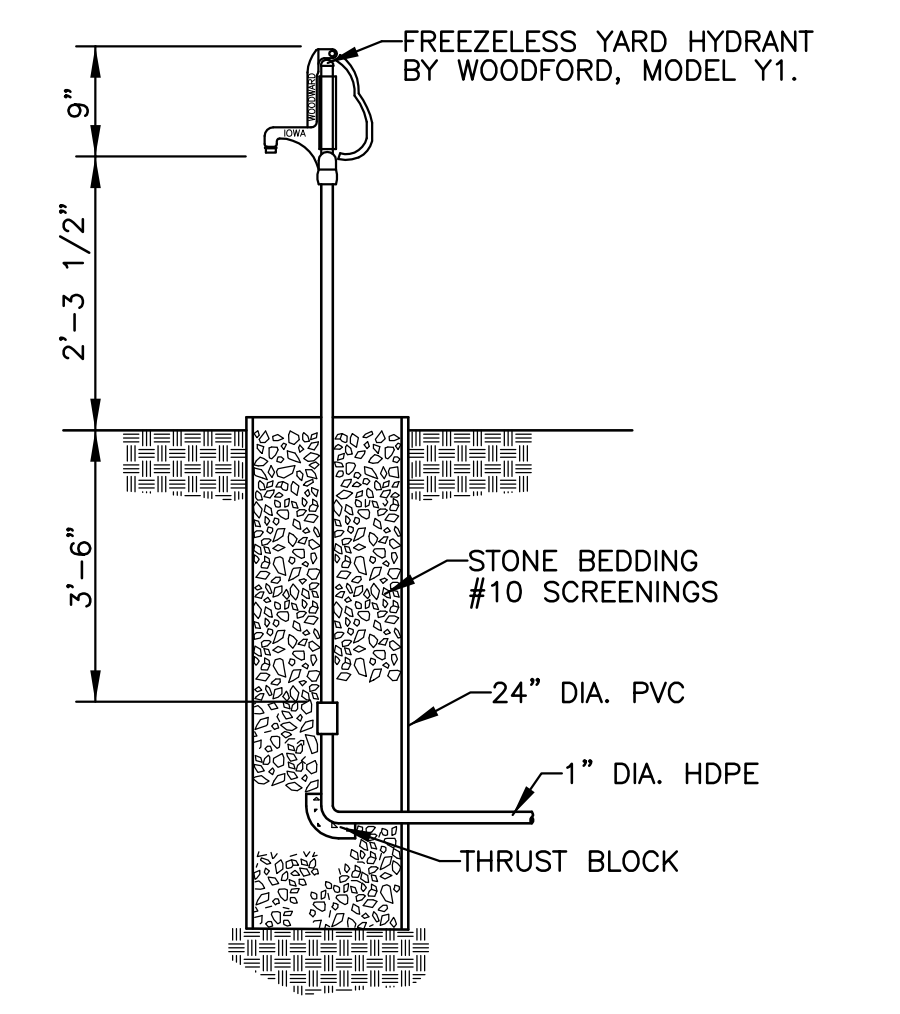
ACCESS DRIVE/GRAVEL AREA DETAIL
SCALE: N.T.S.



GATE DETAIL
SCALE: N.T.S.



SECURITY FENCE DETAIL
SCALE: N.T.S.



YARD HYDRANT DETAIL
SCALE: N.T.S.

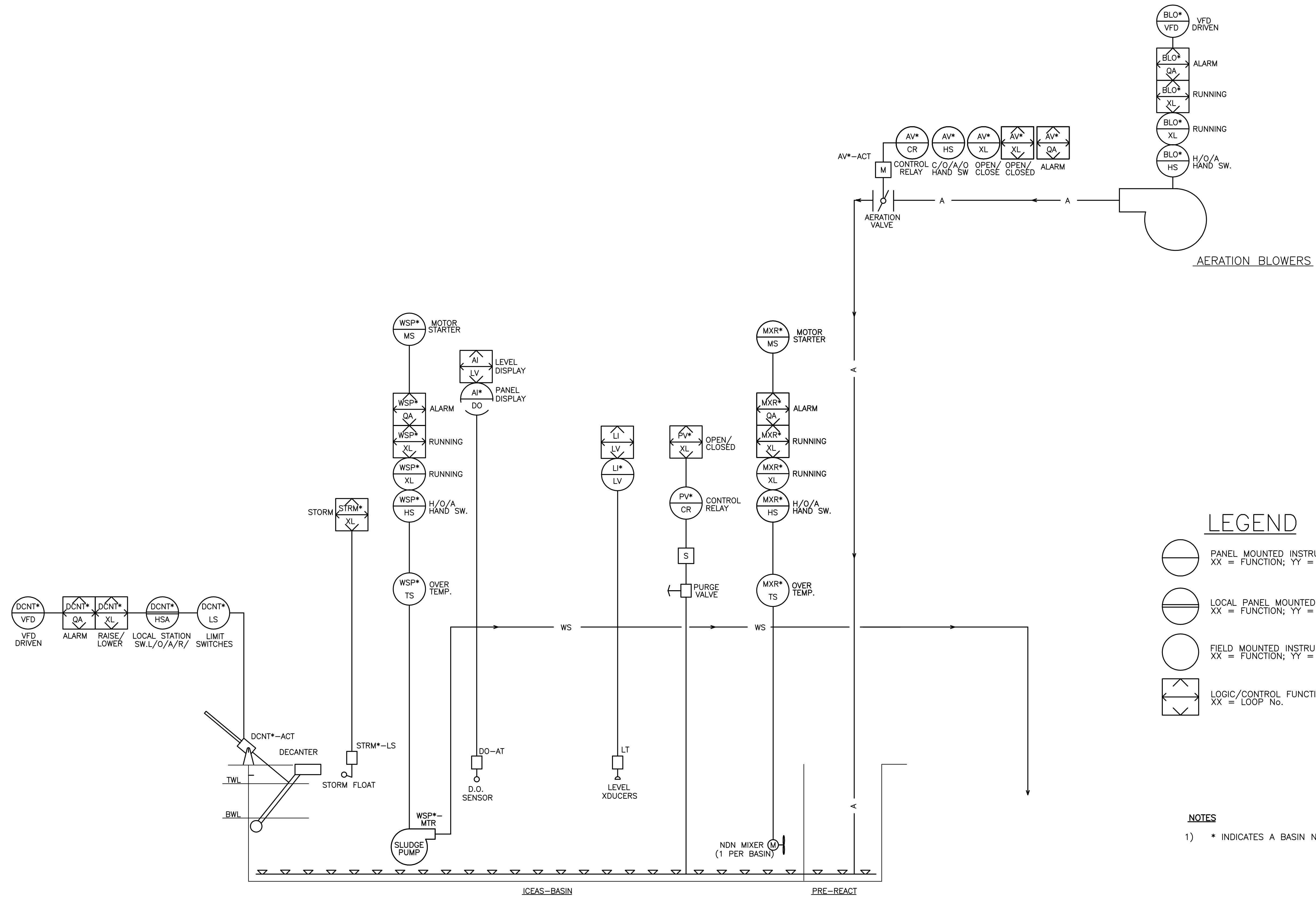
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MISCELLANEOUS DETAILS

JOSHUA HILL SEWER COMPANY, LLC
WASTEWATER TREATMENT FACILITY
WEST MANHEIM TOWNSHIP, YORK COUNTY, PA

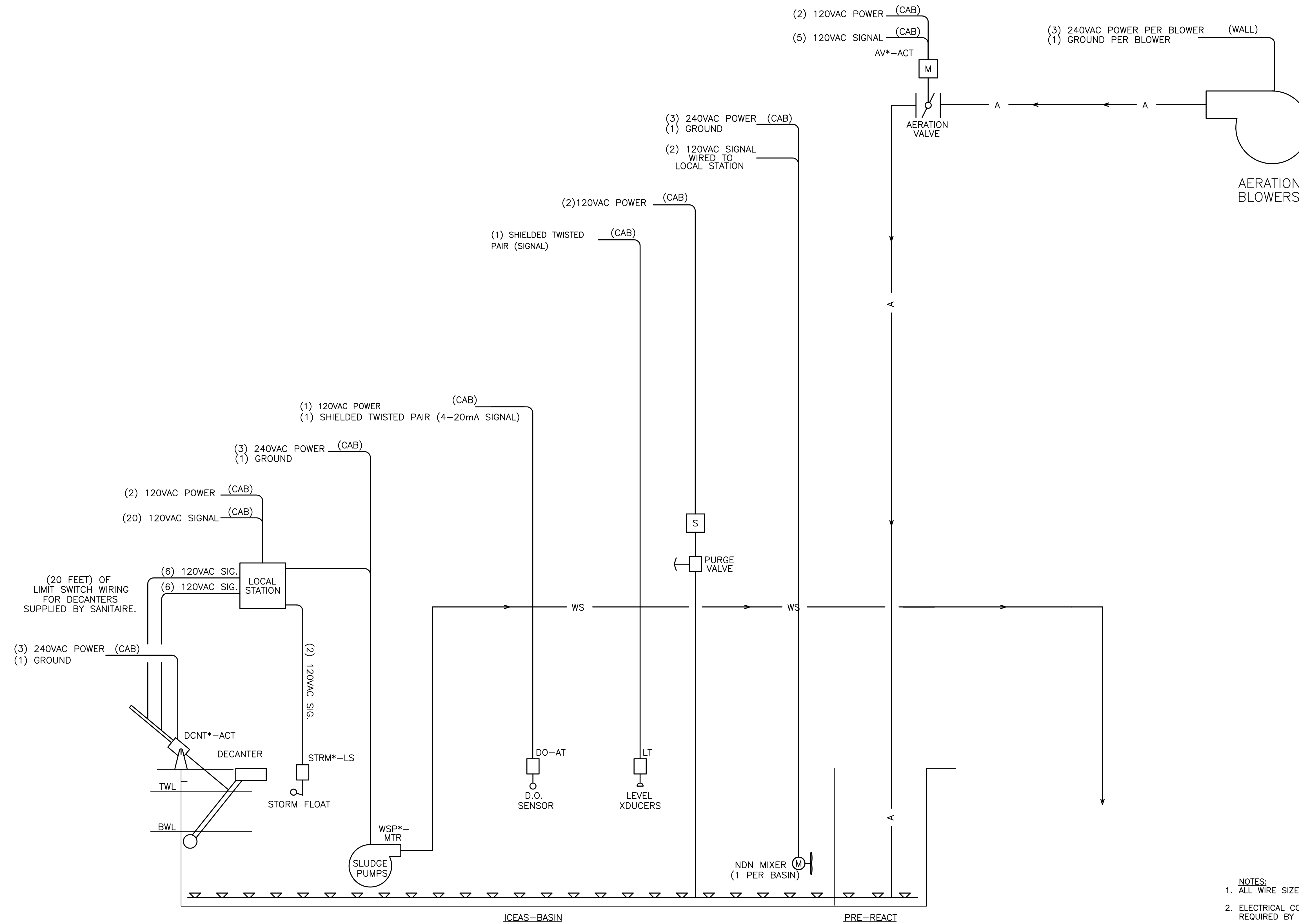
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SHEET NO. 22 OF 31



TYPICAL FOR ALL BASINS

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| INSTRUMENTATION DIAGRAM | |
|---|--|
| JOSHUA HILL SEWER COMPANY, LLC WASTEWATER TREATMENT FACILITY WEST MANHEIM TOWNSHIP, YORK COUNTY, PA | |



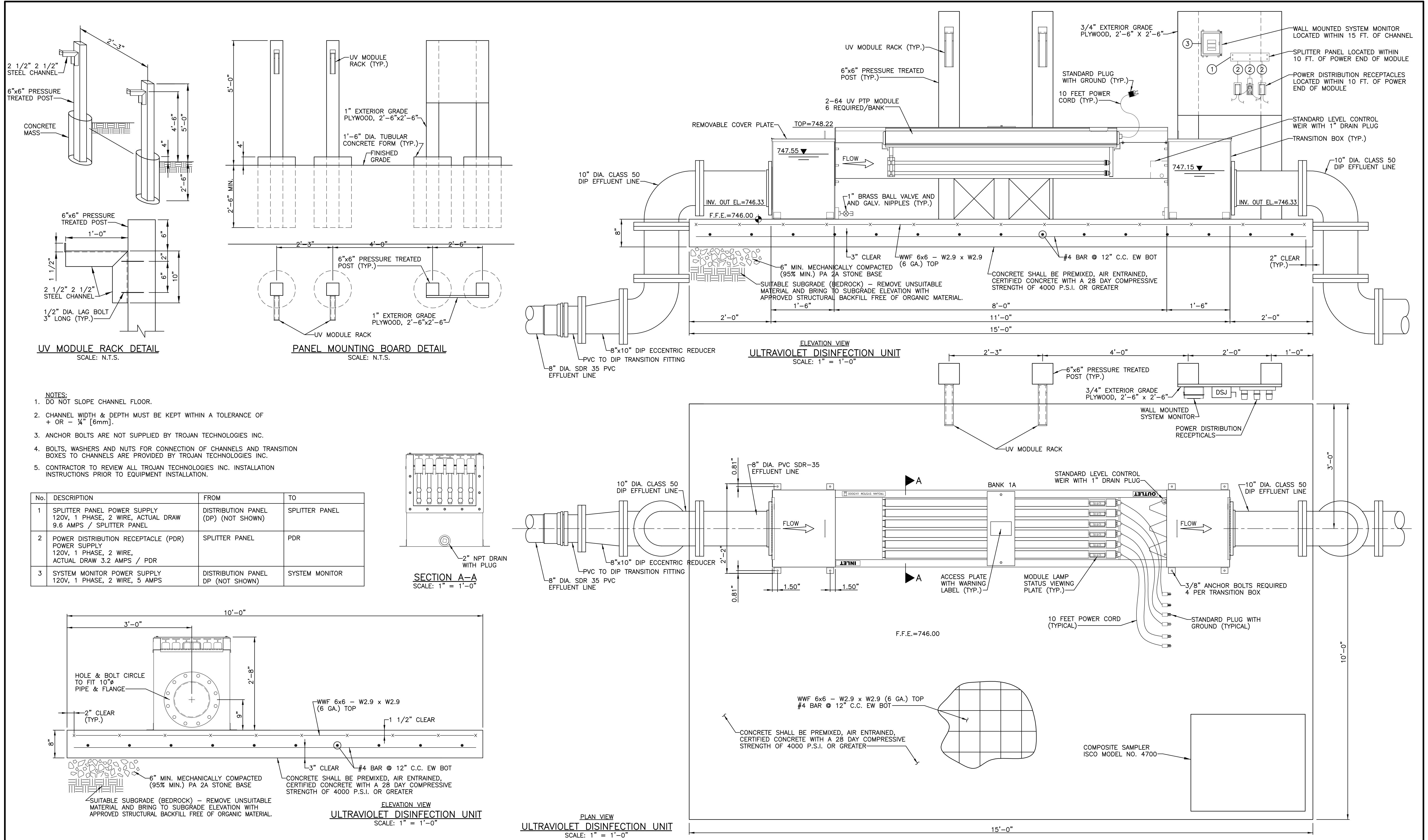
TYPICAL FOR ALL BASINS

- NOTES:
1. ALL WIRE SIZES SHOULD BE SIZED ACCORDING TO LOAD, 14 GA. MIN.
 2. ELECTRICAL CONTRACTOR IS TO PROVIDE LOCAL DISCONNECTS AS REQUIRED BY LOCAL FEDERAL LAWS.
 3. INCLUDE 10% SPARE WIRE PER CONDUIT RUN, 2 WIRES MIN.
 4. INDIVIDUAL CONDUITS ARE TO BE RUN FOR 600V, 480V, 120V AND ANALOG WIRING.

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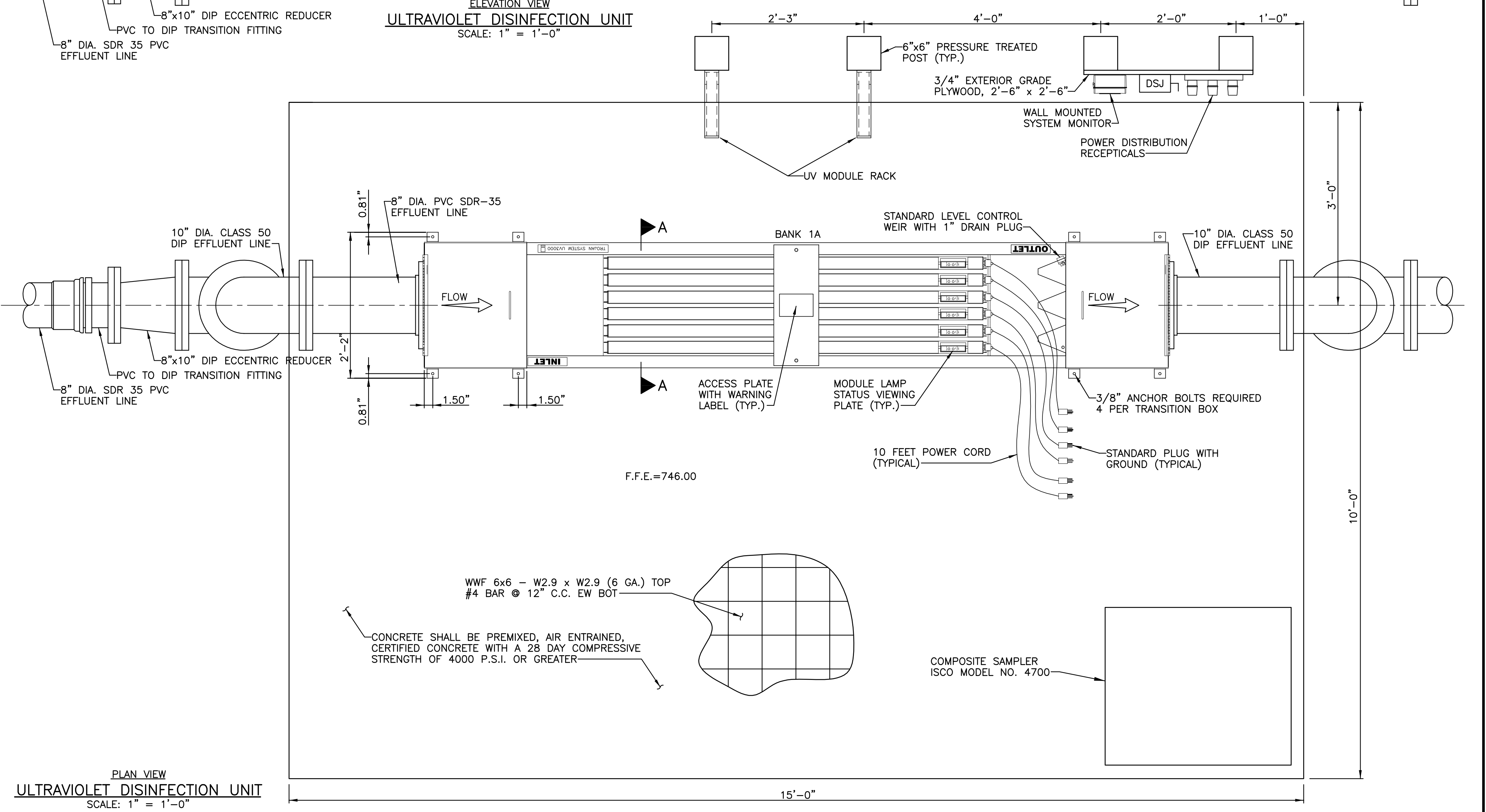
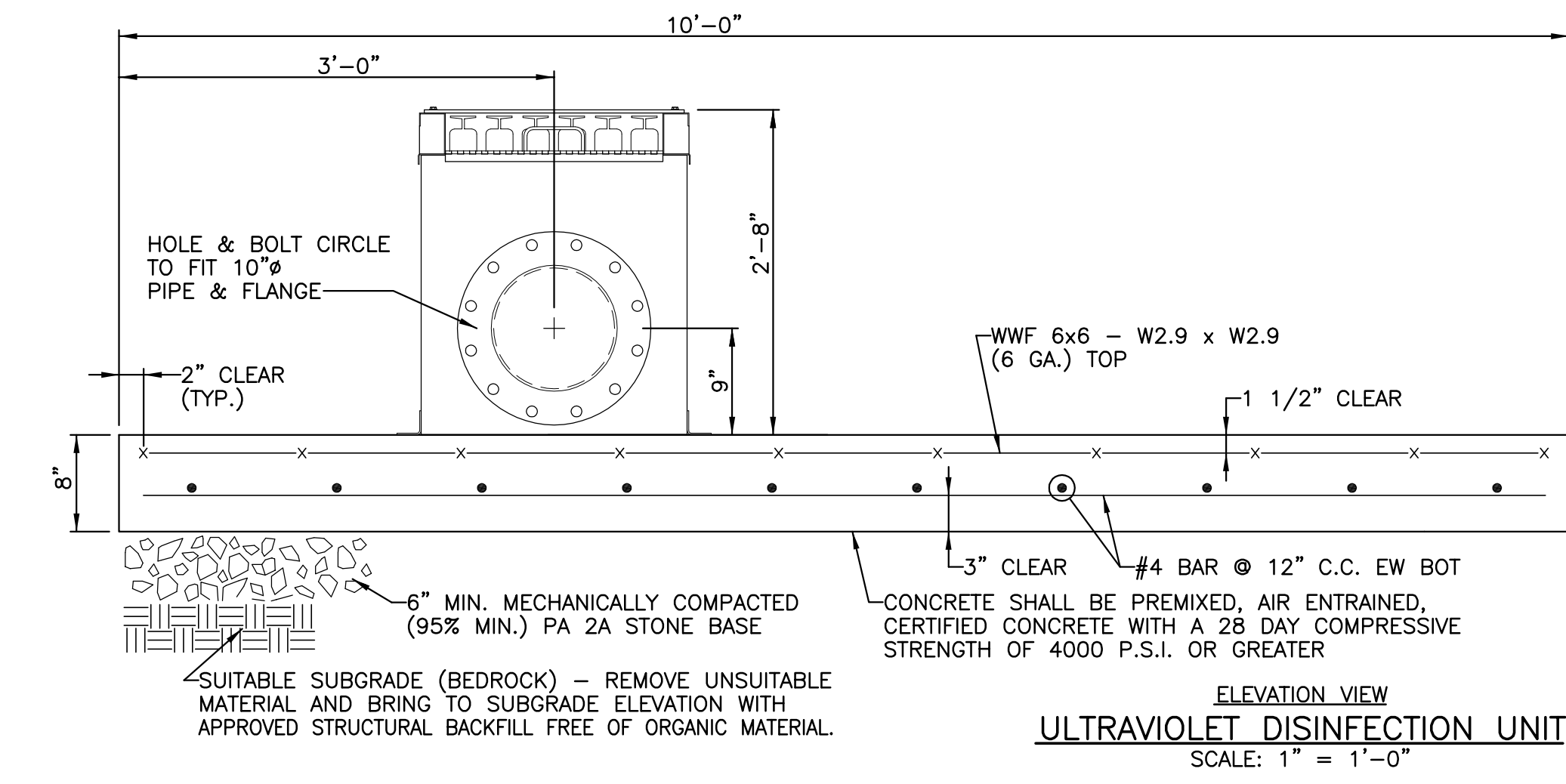
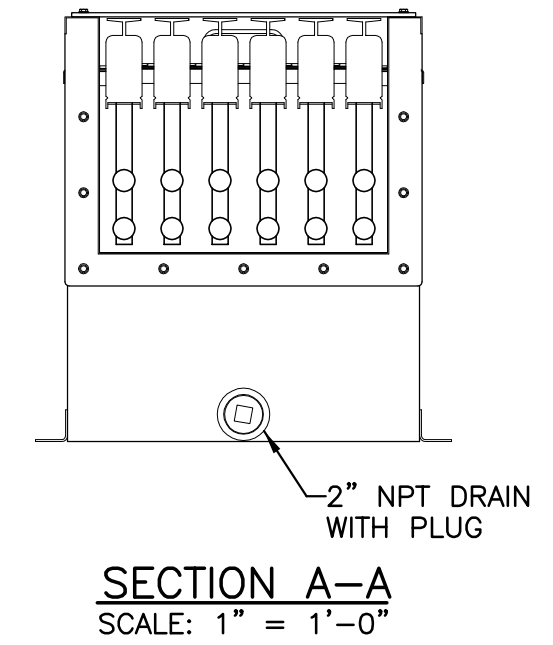
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| CONDUIT DIAGRAM | | SCALE |
|---|--|-----------------------|
| JOSHUA HILL SEWER COMPANY, LLC WASTEWATER TREATMENT FACILITY WEST MANHEIM TOWNSHIP, YORK COUNTY, PA | | AS SHOWN |
| | | SHEET NO. 24 OF 31 |



- NOTES:**
- DO NOT SLOPE CHANNEL FLOOR.
 - CHANNEL WIDTH & DEPTH MUST BE KEPT WITHIN A TOLERANCE OF + OR - 1/4" [6mm].
 - ANCHOR BOLTS ARE NOT SUPPLIED BY TROJAN TECHNOLOGIES INC.
 - BOLTS, WASHERS AND NUTS FOR CONNECTION OF CHANNELS AND TRANSITION BOXES TO CHANNELS ARE PROVIDED BY TROJAN TECHNOLOGIES INC.
 - CONTRACTOR TO REVIEW ALL TROJAN TECHNOLOGIES INC. INSTALLATION INSTRUCTIONS PRIOR TO EQUIPMENT INSTALLATION.

| No. | DESCRIPTION | FROM | TO |
|-----|--|-------------------------------------|----------------|
| 1 | SPLITTER PANEL POWER SUPPLY 120V, 1 PHASE, 2 WIRE, ACTUAL DRAW 9.6 AMPS / SPLITTER PANEL | DISTRIBUTION PANEL (DP) (NOT SHOWN) | SPLITTER PANEL |
| 2 | POWER DISTRIBUTION RECEPTACLE (PDR) POWER SUPPLY 120V, 1 PHASE, 2 WIRE, ACTUAL DRAW 3.2 AMPS / PDR | SPLITTER PANEL | PDR |
| 3 | SYSTEM MONITOR POWER SUPPLY 120V, 1 PHASE, 2 WIRE, 5 AMPS | DISTRIBUTION PANEL DP (NOT SHOWN) | SYSTEM MONITOR |



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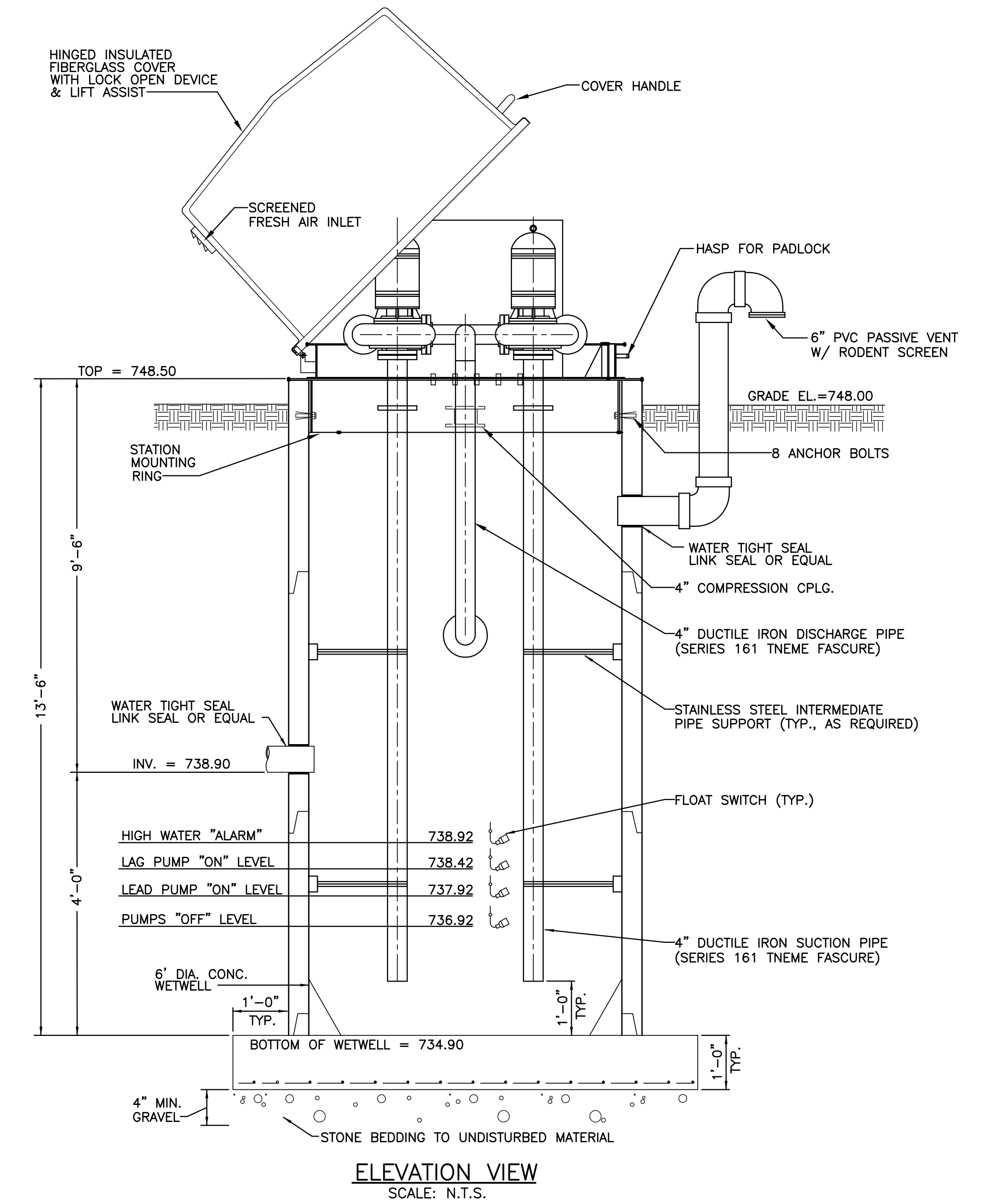
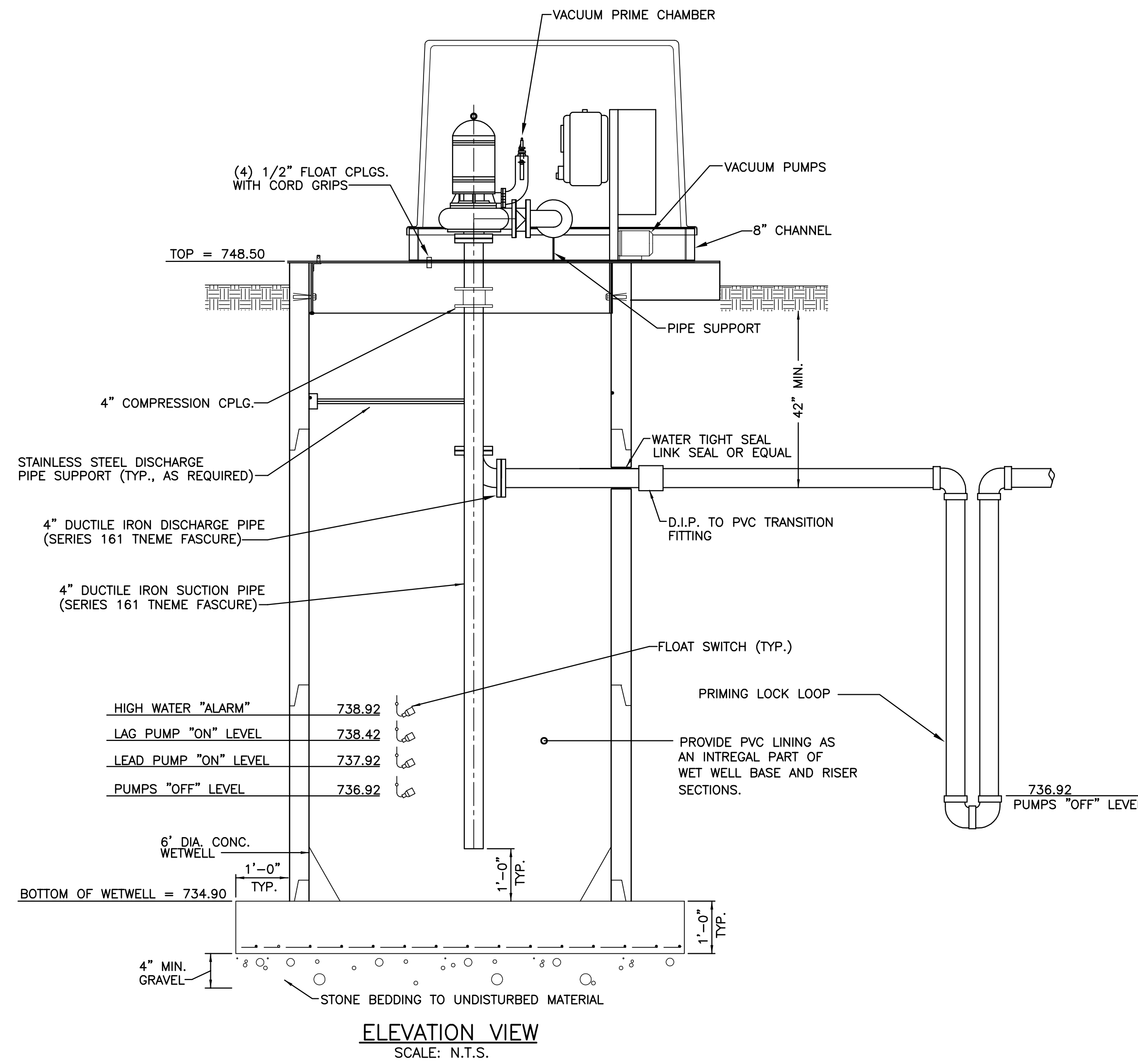
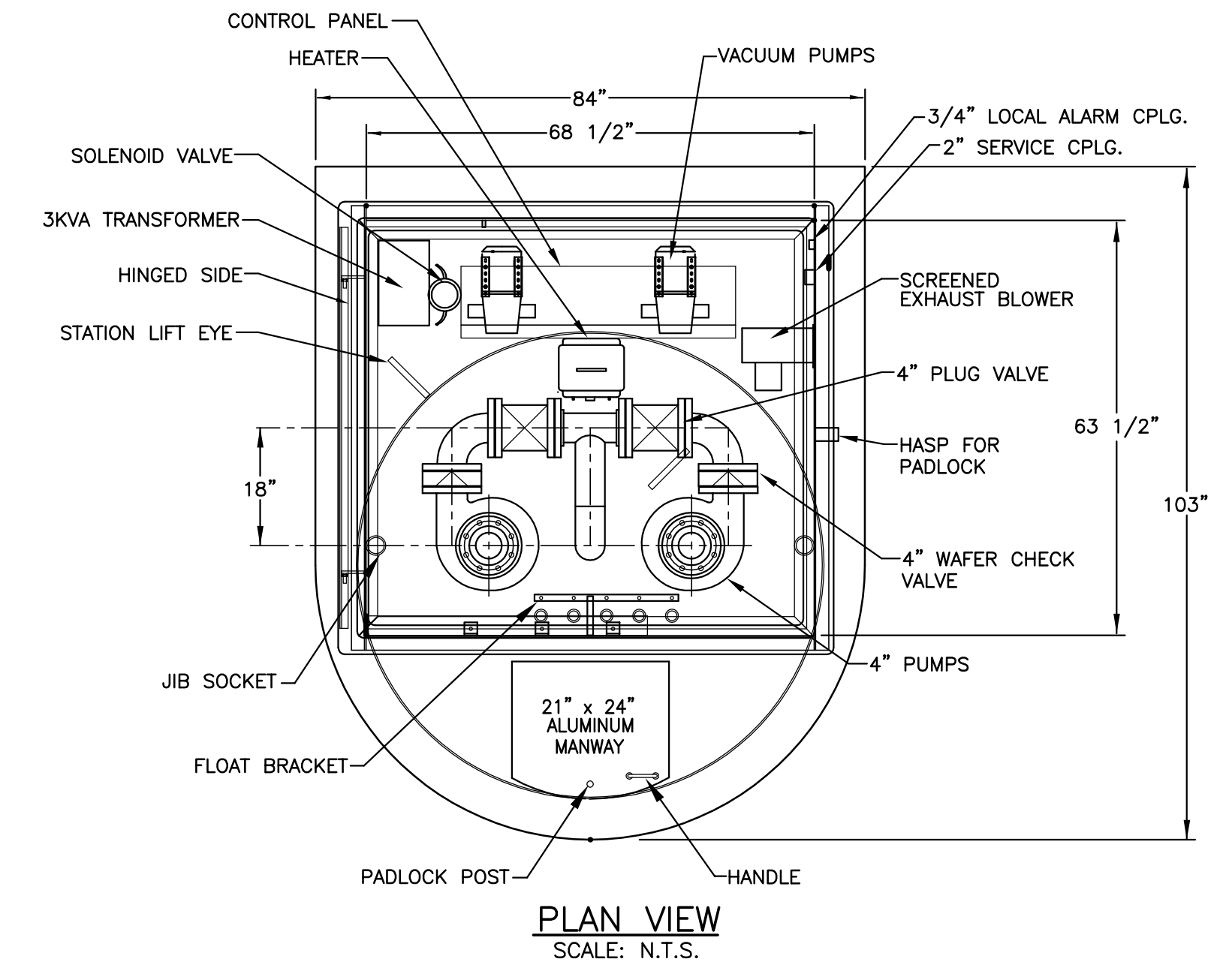
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ULTRAVIOLET DISINFECTION UNIT

JOSHUA HILL SEWER COMPANY, LLC
WASTEWATER TREATMENT FACILITY
WEST MANHEIM TOWNSHIP, YORK COUNTY, PA

SCALE
AS SHOWN

SHEET NO.
25 OF 31



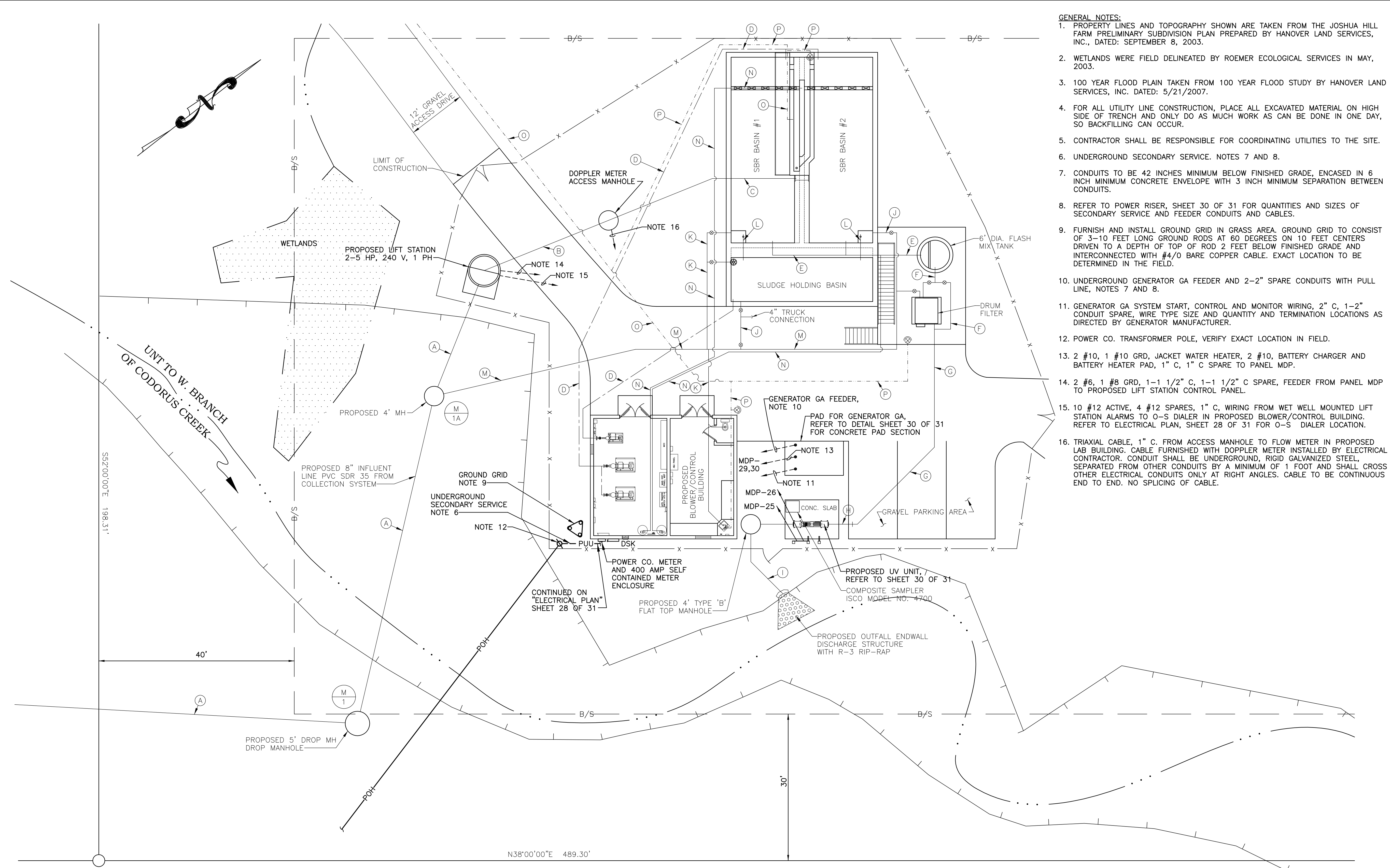
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WWTF LIFT STATION DETAILS

JOSHUA HILL SEWER COMPANY, LLC
 WASTEWATER TREATMENT FACILITY
 WEST MANHEIM TOWNSHIP, YORK COUNTY, PA

SCALE AS SHOWN
 SHEET NO. 26 OF 31



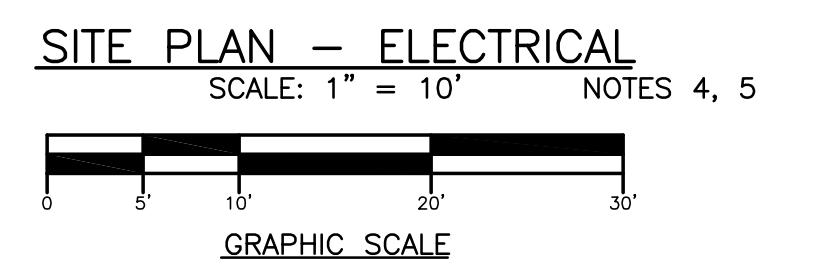
- GENERAL NOTES:**
- PROPERTY LINES AND TOPOGRAPHY SHOWN ARE TAKEN FROM THE JOSHUA HILL FARM PRELIMINARY SUBDIVISION PLAN PREPARED BY HANOVER LAND SERVICES, INC., DATED: SEPTEMBER 8, 2003.
 - WETLANDS WERE FIELD DELINEATED BY ROEMER ECOLOGICAL SERVICES IN MAY, 2003.
 - 100 YEAR FLOOD PLAIN TAKEN FROM 100 YEAR FLOOD STUDY BY HANOVER LAND SERVICES, INC. DATED: 5/21/2007.
 - FOR ALL UTILITY LINE CONSTRUCTION, PLACE ALL EXCAVATED MATERIAL ON HIGH SIDE OF TRENCH AND ONLY DO AS MUCH WORK AS CAN BE DONE IN ONE DAY, SO BACKFILLING CAN OCCUR.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING UTILITIES TO THE SITE.
 - UNDERGROUND SECONDARY SERVICE. NOTES 7 AND 8.
 - CONDUITS TO BE 42 INCHES MINIMUM BELOW FINISHED GRADE, ENCASED IN 6 INCH MINIMUM CONCRETE ENVELOPE WITH 3 INCH MINIMUM SEPARATION BETWEEN CONDUITS.
 - REFER TO POWER RISER, SHEET 30 OF 31 FOR QUANTITIES AND SIZES OF SECONDARY SERVICE AND FEEDER CONDUITS AND CABLES.
 - FURNISH AND INSTALL GROUND GRID IN GRASS AREA. GROUND GRID TO CONSIST OF 3-10 FEET LONG GROUND RODS AT 60 DEGREES ON 10 FEET CENTERS DRIVEN TO A DEPTH OF TOP OF ROD 2 FEET BELOW FINISHED GRADE AND INTERCONNECTED WITH #4/0 BARE COPPER CABLE. EXACT LOCATION TO BE DETERMINED IN THE FIELD.
 - UNDERGROUND GENERATOR GA FEEDER AND 2-2" SPARE CONDUITS WITH PULL LINE, NOTES 7 AND 8.
 - GENERATOR GA SYSTEM START, CONTROL AND MONITOR WIRING, 2" C, 1-2" CONDUIT SPARE, WIRE TYPE SIZE AND QUANTITY AND TERMINATION LOCATIONS AS DIRECTED BY GENERATOR MANUFACTURER.
 - POWER CO. TRANSFORMER POLE, VERIFY EXACT LOCATION IN FIELD.
 - 2 #10, 1 #10 GRD, JACKET WATER HEATER, 2 #10, BATTERY CHARGER AND BATTERY HEATER PAD, 1" C, 1" C SPARE TO PANEL MDP.
 - 2 #6, 1 #8 GRD, 1-1 1/2" C, 1-1 1/2" C SPARE, FEEDER FROM PANEL MDP TO PROPOSED LIFT STATION CONTROL PANEL.
 - 10 #12 ACTIVE, 4 #12 SPARES, 1" C, WIRING FROM WET WELL MOUNTED LIFT STATION ALARMS TO O-S DIALER IN PROPOSED BLOWER/CONTROL BUILDING. REFER TO ELECTRICAL PLAN, SHEET 28 OF 31 FOR O-S DIALER LOCATION.
 - TRIAxIAL CABLE, 1" C. FROM ACCESS MANHOLE TO FLOW METER IN PROPOSED LAB BUILDING. CABLE FURNISHED WITH DOPPLER METER INSTALLED BY ELECTRICAL CONTRACTOR. CONDUIT SHALL BE UNDERGROUND, RIGID GALVANIZED STEEL, SEPARATED FROM OTHER CONDUITS BY A MINIMUM OF 1 FOOT AND SHALL CROSS OTHER ELECTRICAL CONDUITS ONLY AT RIGHT ANGLES. CABLE TO BE CONTINUOUS END TO END. NO SPLICING OF CABLE.

- LEGEND**
- = PROPERTY LINE
 - B/S- = BUILDING SETBACK LINE
 - x- = PROPOSED CHAIN LINK FENCE
 - = PROPOSED GATE VALVE
 - ⊙ = PROPOSED YARD HYDRANT
 - ▨ = WETLANDS BOUNDARY
 - - - - - PUU = PROPOSED UNDERGROUND CABLES
 - - - - - POH = PROPOSED OVERHEAD CABLES

- PIPING LEGEND**
- (A) PROPOSED 8" GRAVITY LINE (PVC SDR 35)
 - (B) PROPOSED 4" FORCE MAIN (CLASS 50 DIP)
 - (C) PROPOSED 4" FORCE MAIN (CLASS 51 DIP)
 - (D) PROPOSED 4" AIR LINE (CLASS 50 D.I.P.)
 - (E) PROPOSED 6" EFFLUENT LINE (CLASS 51 DIP)
 - (F) PROPOSED 8" EFFLUENT LINE (CLASS 51 DIP)
 - (G) PROPOSED 8" EFFLUENT LINE (PVC SDR 35)
 - (H) PROPOSED 10" EFFLUENT LINE (CLASS 50 DIP)
 - (I) PROPOSED 10" EFFLUENT LINE (PVC SDR 35)
 - (J) PROPOSED 4" SUPERNATANT/DRAIN LINE (CLASS 50 DIP)
 - (K) PROPOSED 4" DRAIN LINE (PVC SDR 35)
 - (L) PROPOSED 2 1/2" GALV. WAS LINE (PVC SCH 40)
 - (M) PROPOSED 6" DRAIN LINE (PVC SDR-35)
 - (N) PROPOSED 3/8" CHEMICAL FEED LINE 3 EA. HDPE IN 2" CONDUIT (SCH 80)
 - (O) PROPOSED 2" POTABLE WATER LINE COPPER (TYPE L)
 - (P) PROPOSED 1" POTABLE WATER LINE COPPER (TYPE L)



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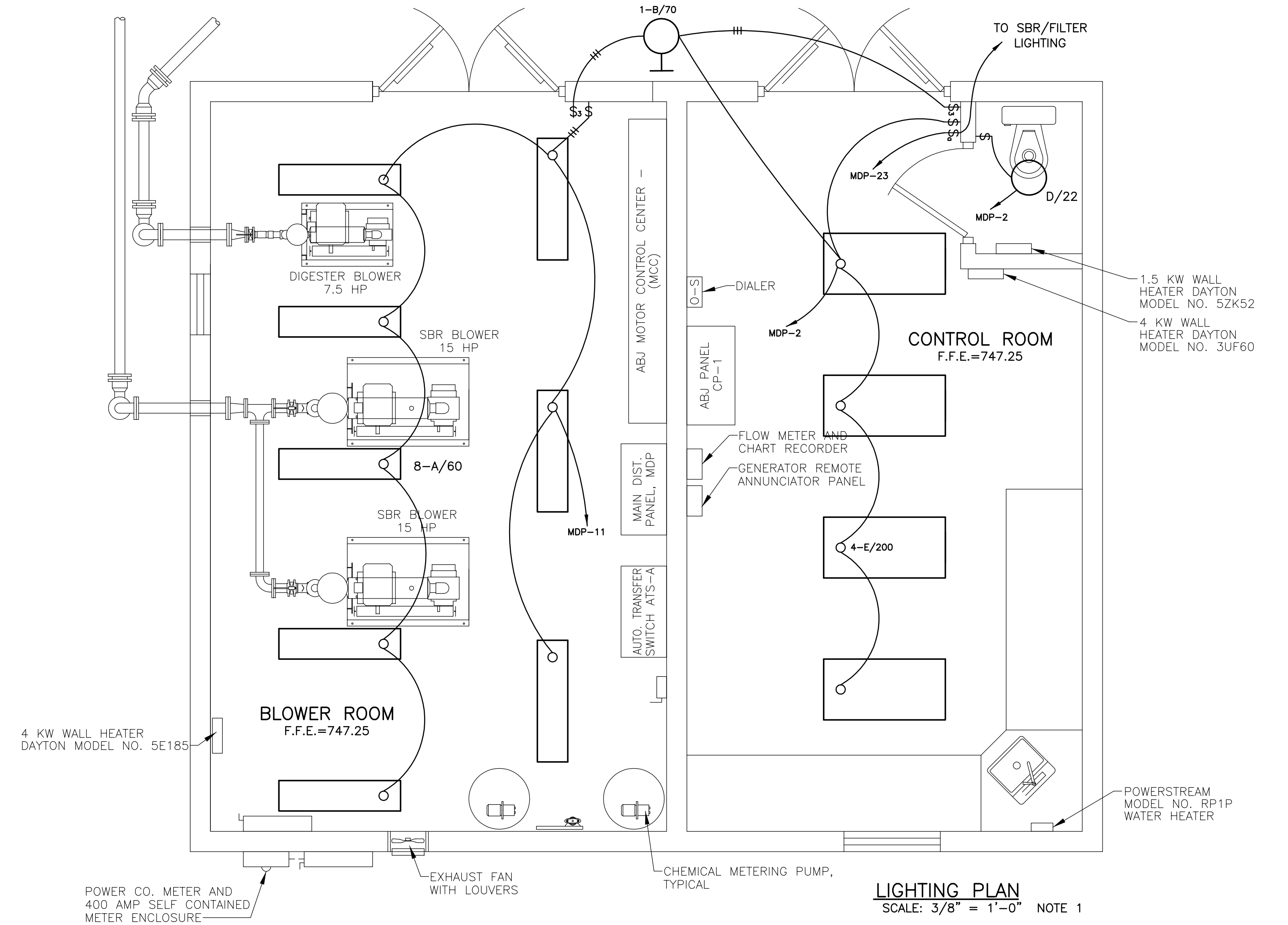
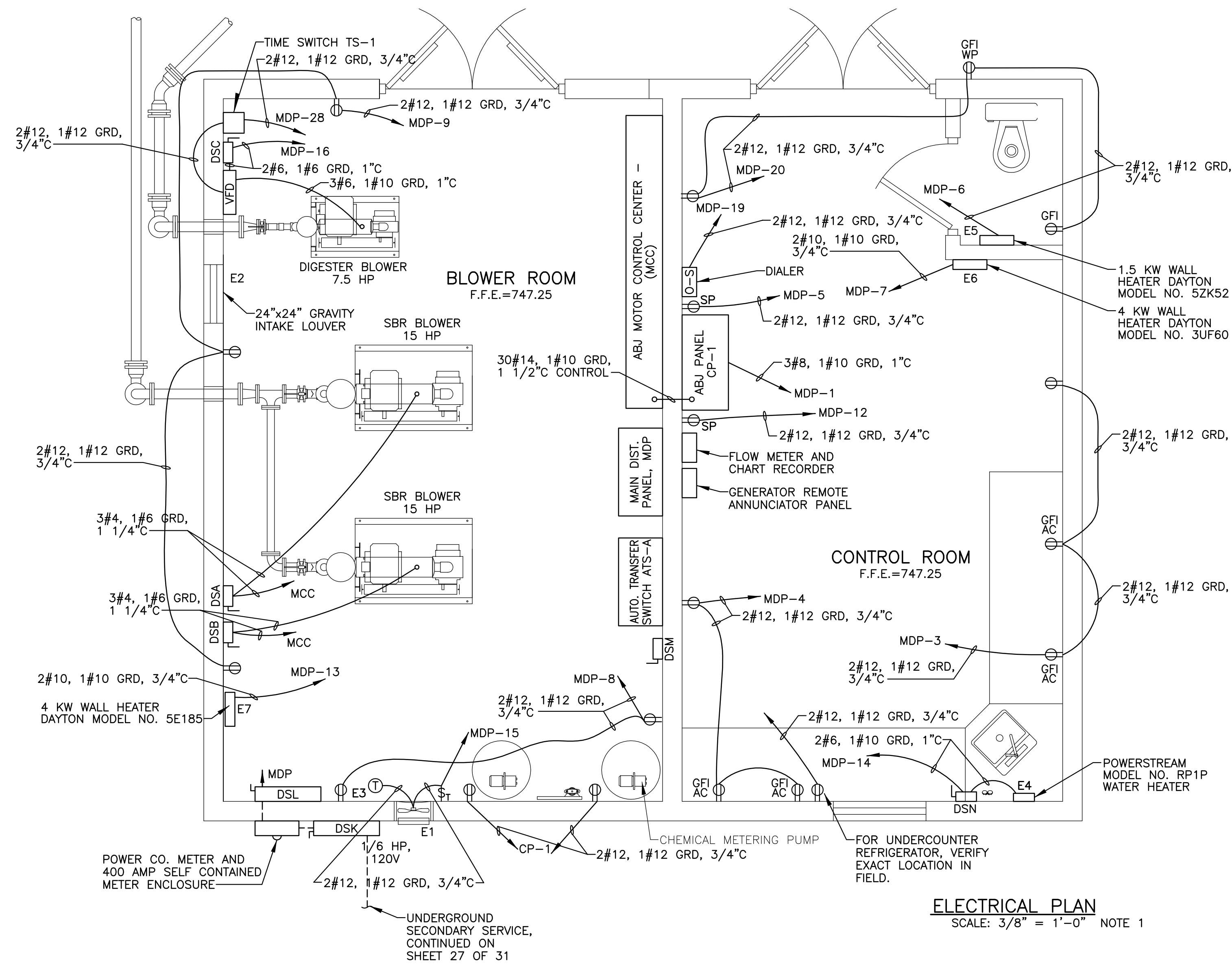
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SITE PLAN - ELECTRICAL

JOSHUA HILL SEWER COMPANY, LLC
WASTEWATER TREATMENT FACILITY
WEST MANHEIM TOWNSHIP, YORK COUNTY, PA

SCALE
AS SHOWN

SHEET NO.
27 OF 31



NOTES:
1. EACH HOMERUN PHASE WIRE TO HAVE A SEPARATE NEUTRAL, NO MULTI-WIRE CIRCUITS.

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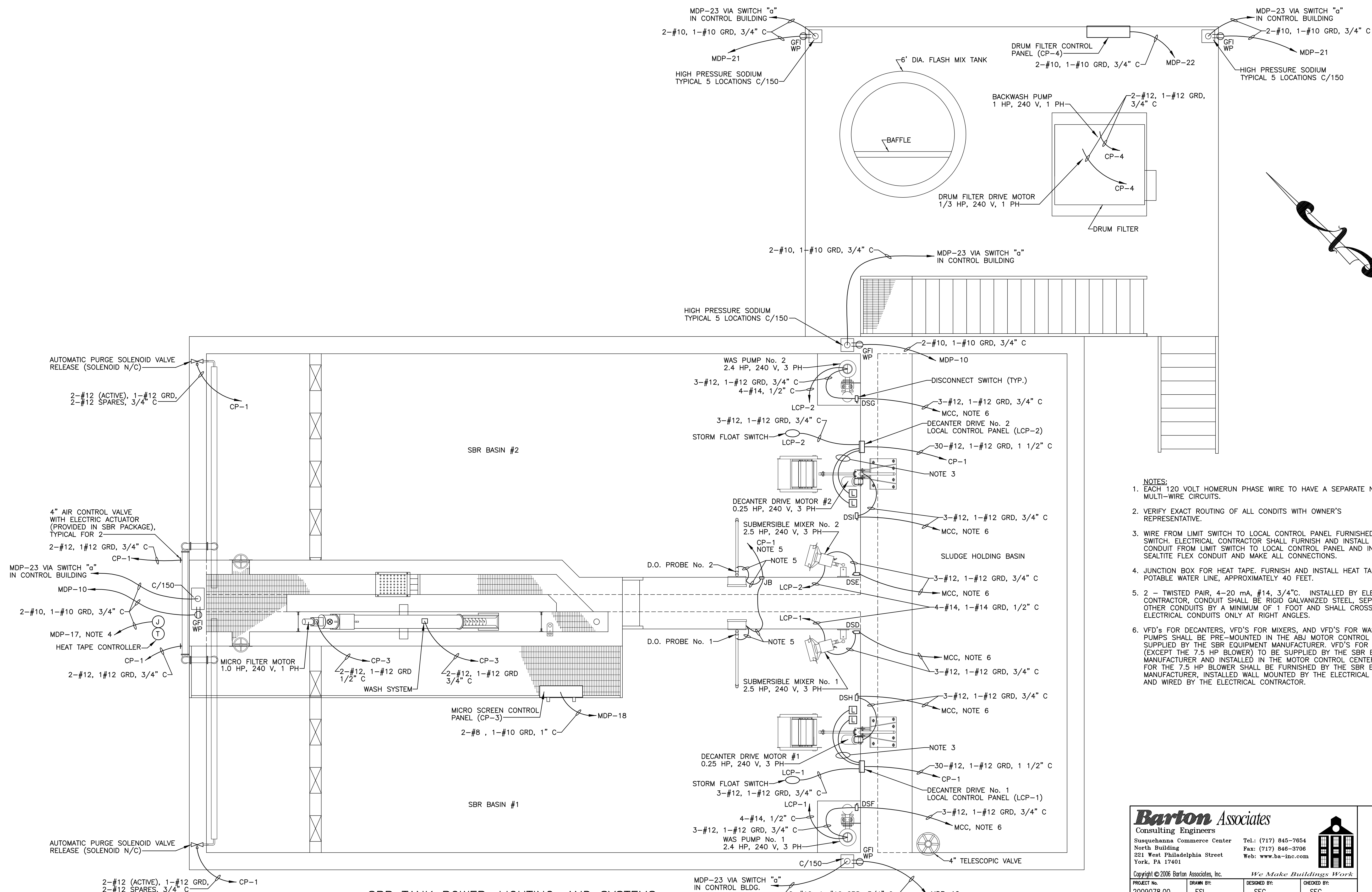
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BLOWER/CONTROL BUILDING FLOOR PLANS - ELECTRICAL

JOSHUA HILL SEWER COMPANY, LLC
WASTEWATER TREATMENT FACILITY
WEST MANHEIM TOWNSHIP, YORK COUNTY, PA

SCALE AS SHOWN
SHEET NO. 28 OF 31



- NOTES:**
- EACH 120 VOLT HOMERUN PHASE WIRE TO HAVE A SEPARATE NEUTRAL, NO MULTI-WIRE CIRCUITS.
 - VERIFY EXACT ROUTING OF ALL CONDUITS WITH OWNER'S REPRESENTATIVE.
 - WIRE FROM LIMIT SWITCH TO LOCAL CONTROL PANEL FURNISHED WITH LIMIT SWITCH. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL SEALTITE FLEX CONDUIT FROM LIMIT SWITCH TO LOCAL CONTROL PANEL AND INSTALL WIRE IN SEALTITE FLEX CONDUIT AND MAKE ALL CONNECTIONS.
 - JUNCTION BOX FOR HEAT TAPE. FURNISH AND INSTALL HEAT TAPE ON POTABLE WATER LINE, APPROXIMATELY 40 FEET.
 - 2 - TWISTED PAIR, 4-20 mA, #14, 3/4" C. INSTALLED BY ELECTRICAL CONTRACTOR, CONDUIT SHALL BE RIGID GALVANIZED STEEL, SEPARATED FROM OTHER CONDUITS BY A MINIMUM OF 1 FOOT AND SHALL CROSS OTHER ELECTRICAL CONDUITS ONLY AT RIGHT ANGLES.
 - VFD'S FOR DECANterS, VFD'S FOR MIXERS, AND VFD'S FOR WASTE SLUDGE PUMPS SHALL BE PRE-MOUNTED IN THE ABJ MOTOR CONTROL CENTER (MCC) SUPPLIED BY THE SBR EQUIPMENT MANUFACTURER. VFD'S FOR BLOWERS (EXCEPT THE 7.5 HP BLOWER) TO BE SUPPLIED BY THE SBR EQUIPMENT MANUFACTURER AND INSTALLED IN THE MOTOR CONTROL CENTER (MCC). VFD FOR THE 7.5 HP BLOWER SHALL BE FURNISHED BY THE SBR EQUIPMENT MANUFACTURER, INSTALLED WALL MOUNTED BY THE ELECTRICAL CONTRACTOR AND WIRED BY THE ELECTRICAL CONTRACTOR.

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SBR TANK POWER, LIGHTING, AND SYSTEMS
SCALE: 3/8" = 1'-0" NOTES 1,2

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ICEAS SBR TANK PLAN VIEW - ELECTRICAL

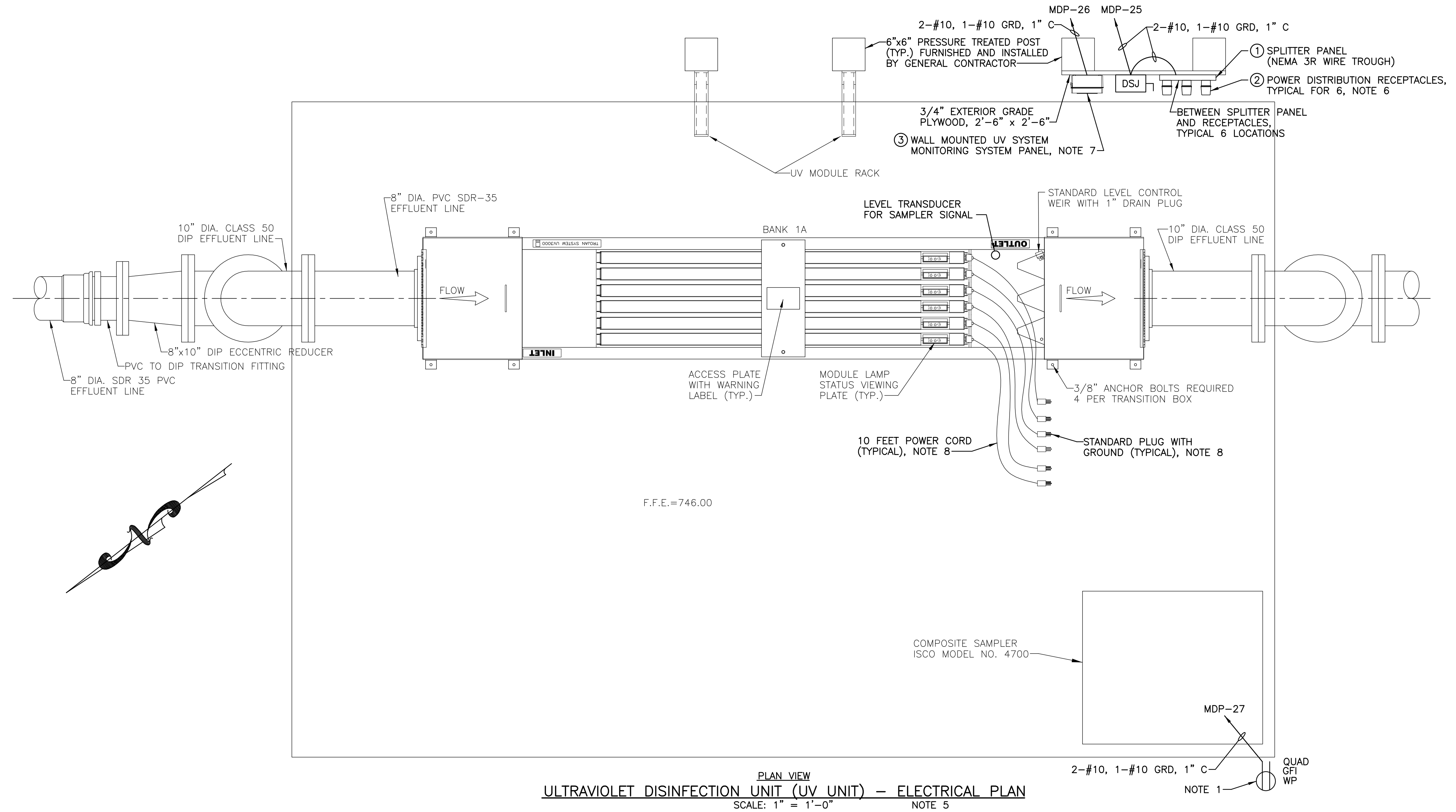
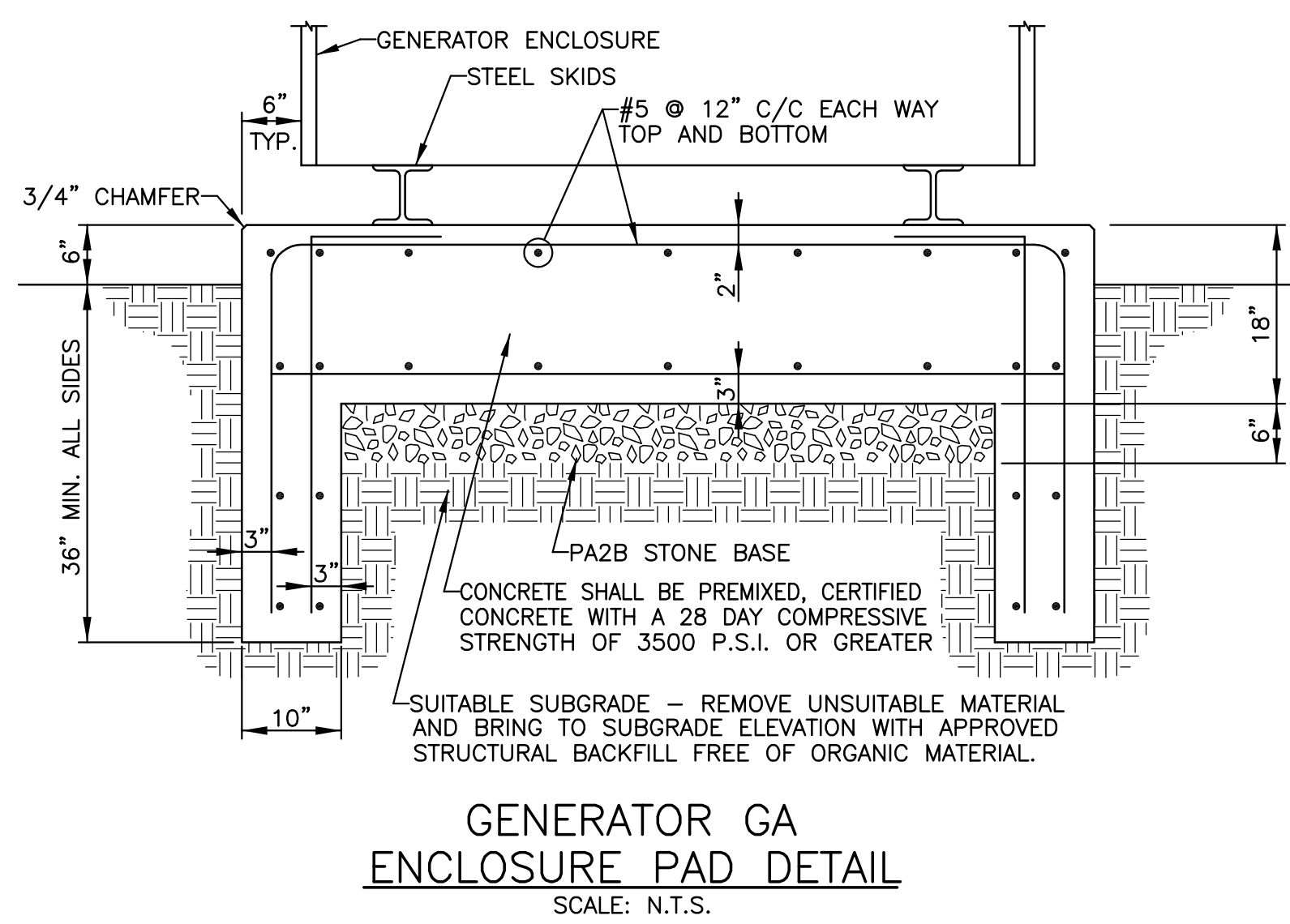
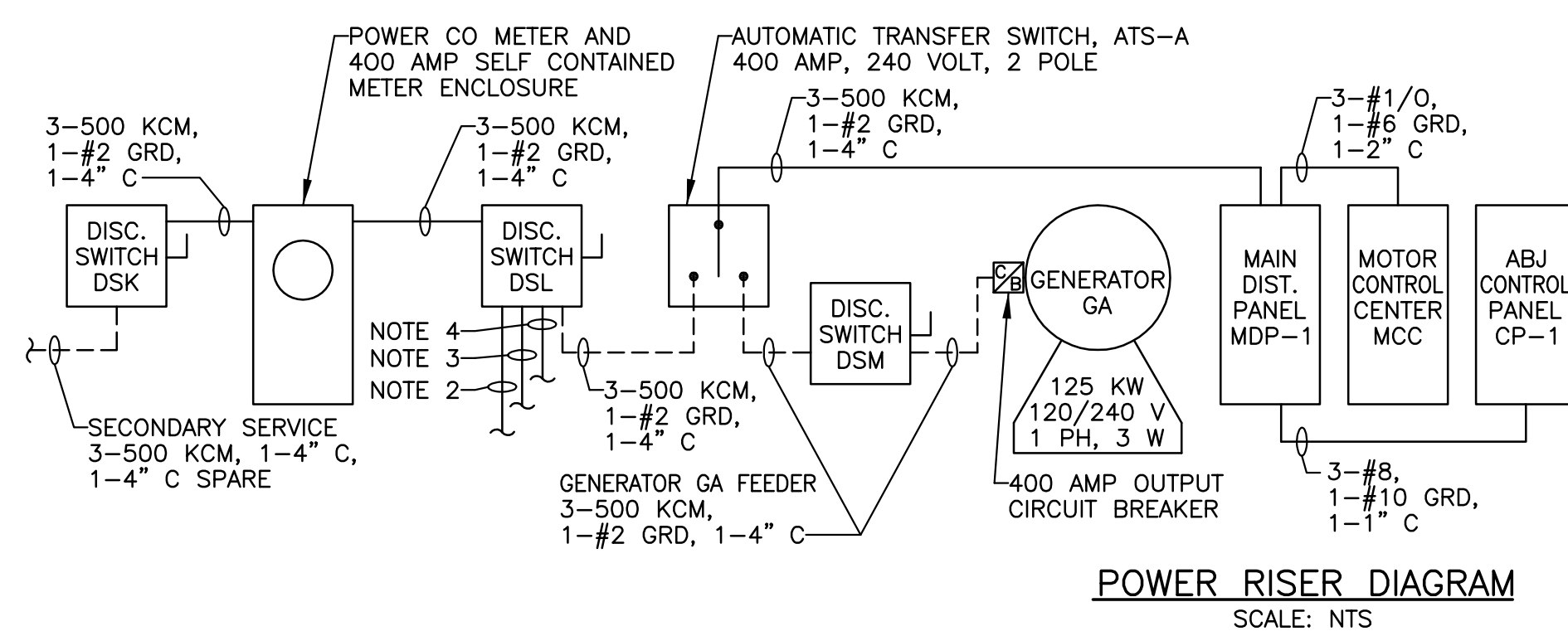
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WASTEWATER TREATMENT FACILITY
WEST MANHEIM TOWNSHIP, YORK COUNTY, PA

SCALE
AS SHOWN

SHEET NO.
29 OF 31

| UV EQUIPMENT SCHEDULE | | | |
|-----------------------|---|--|----------------|
| No. | DESCRIPTION | FROM | TO |
| ① | SPLITTER PANEL POWER SUPPLY 120V, 1 PHASE, 2 WIRE, ACTUAL DRAW 9.6 AMPS / SPLITTER PANEL | DISTRIBUTION PANEL (DP) (NOT SHOWN) | SPLITTER PANEL |
| ② | POWER DISTRIBUTION RECEPTACLE (PDR) POWER SUPPLY 120V, 1 PHASE, 2 WIRE, ACTUAL DRAW 3.2 AMPS / PDR | SPLITTER PANEL | PDR |
| ③ | SYSTEM MONITOR POWER SUPPLY 120V, 1 PHASE, 2 WIRE, 5 AMPS | DISTRIBUTION PANEL (DP) (NOT SHOWN) | SYSTEM MONITOR |

- NOTES:**
1. MOUNT WEATHERPROOF GFI OUTLET ON A GALVANIZED STEEL SQUARE POST 24" ABOVE GRADE.
 2. 1#1/0, 1" C GROUND TO REBARS IN BUILDING FOUNDATION.
 3. 1#1/0, 1" C GROUND TO GROUND GRID, REFER TO SHEET E-2 FOR LOCATION OF GROUND GRID.
 4. 1#1/0, 1" C GROUND TO INCOMING WATER MAIN, VERIFY EXACT LOCATION OF INCOMING WATER MAIN IN FIELD.
 5. EACH HOMERUN PHASE WIRE TO HAVE A SEPARATE NEUTRAL, NO MULTI-WIRE CIRCUITS.
 6. POWER DISTRIBUTION RECEPTACLES, GFI TYPE, FURNISHED BY UV SYSTEM SUPPLIER, INSTALLED BY ELECTRICAL CONTRACTOR. POWER DISTRIBUTION RECEPTACLES SHALL BE MOUNTED IN INDIVIDUAL PAINTED CAST ALUMINUM JUNCTION BOXES WITH A NEMA 3R RAIN SHEILD SUITABLE FOR OUTSIDE USE, JUNCTION BOXES WITH COVERS FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR. VERIFY EXACT LOCATION OF POWER DISTRIBUTION RECEPTACLES IN FIELD WITH UV SYSTEM SUPPLIER.
 7. UV SYSTEM MONITORING SYSTEM PANEL FURNISHED BY UV SYSTEM SUPPLIER, INSTALLED BY ELECTRICAL CONTRACTOR. UV SYSTEM MONITORING SYSTEM WILL BE ENCLOSED IN A FIBERGLASS, NEMA 4X WALL MOUNTED PANEL FURNISHED BY UV SYSTEM SUPPLIER, INSTALLED BY ELECTRICAL CONTRACTOR. VERIFY EXACT LOCATION OF UV SYSTEM MONITORING SYSTEM PANEL IN FIELD WITH UV SYSTEM SUPPLIER.
 8. ITEM FURNISHED AND INSTALLED BY UV SYSTEM SUPPLIER.



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ULTRAVIOLET DISINFECTION UNIT - ELECTRICAL PLAN
JOSHUA HILL SEWER COMPANY, LLC
WASTEWATER TREATMENT FACILITY
WEST MANHEIM TOWNSHIP, YORK COUNTY, PA
SCALE AS SHOWN
SHEET NO. 30 OF 31

LIGHTING & POWER LEGEND

- = CONDUIT RUN CONCEALED IN WALL OR ABOVE CEILING
- = CONDUIT RUN UNDERGROUND OR UNDER FLOOR, EXCEPT AT SBR TANK, CONDUIT RUN ON WALL
- = HOMERUN TO PANEL
- |||| = HATCH MARKS INDICATE QUANTITY OF #12 PHASE AND NEUTRAL CONDUCTORS IN CONDUIT. FURNISH AND INSTALL AN ADDITIONAL 1 #12 GROUND IN EACH CONDUIT. UNLESS NOTED, CONDUIT SHALL CONTAIN 2 #12 AND 1 #12 GROUND WHEN HATCH MARKS ARE NOT INDICATED
- = FLOURESCENT FIXTURE, SURFACE, CEILING OUTLET
- ⊙ = WALL MOUNTED EXTERIOR FIXTURE-B/70
- \$T = MANUAL MOTOR STARTER, WITH OVER LOADS
- ⊖ = RECEPTACLE, DUPLEX 20A/125V/2P/3W GROUNDING
- GFI ⊖ = RECEPTACLE, DUPLEX 20A/125V/2P/3W GROUNDING GROUND FAULT INTERRUPTER
- SP ⊖ = RECEPTACLE, DUPLEX 20A/125V/2P/3W GROUNDING GROUNDING SURGE PROTECTION
- ⊠ = POLE MOUNTED LIGHTING FIXTURE OUTLET
- MDP = MAIN DISTRIBUTION PANEL MDP - 120/240V/1 PHASE/ 3 WIRE
- CP = ABJ PANEL CP
- O-S = OMNI-SITE AUTO DIALER
- E1 = ITEM NUMBER
- \$ = SINGLE POLE SWITCH
- \$3 = THREE WAY SWITCH
- WP = WEATHERPROOF
- AC = ABOVE COUNTER
- ⊏ = DISCONNECT SWITCH
- L = LIMIT SWITCH
- T = THERMOSTAT (TEMPERATURE SWITCH)
- ⊏ = EXHAUST FAN
- ⊏ = ELECTRIC HEATER

LIGHTING FIXTURE SCHEDULE

| DESIG | VOLTS | TYPE | DESCRIPTION | MANUFACTURER | CATALOG NO | LAMPS |
|-------|-------|-------|--|--------------|-----------------------|------------------------|
| A/60 | 120 | FLUOR | 4', 2 LAMP, INDUSTRIAL FLUORESCENT FIXTURE, ELECTRONIC BALLAST AND FUSING | COLUMBIA | KL4-4 | 2-F32T8-3500K |
| B/70 | 120 | HPS | SURFACE MOUNTED WALL PACK TYPE FIXTURE WITH BALLAST AND FUSING. CAST ALUMINUM HOUSING SHALL BE BRONZE IN COLOR INTEGRAL PHOTOCCELL | HUBBELL | NRG-307 | 70W HPS |
| C/150 | 120 | HPS | POLE MOUNTED FLOOD LIGHT, DIE CAST ALUMINUM HOUSING, TEMPERED IMPACT RESISTANT GLASS LENS, SILICON GASKET BETWEEN DOOR AND HOUSING AND BETWEEN LENS AND DOOR. WIRE GUARD, PHOTO CONTROL, WIDE DISTRIBUTION, MOUNTED ON 12 FOOT POLE. | HUBBELL | MHS SERIES | 150W HPS |
| D/22 | 120 | FLUOR | 11" FLUSH MOUNT, 1 CIRCULAR LAMP, ACRYLIC LENS, 3 INCHES THICK, ELECTRONIC BALLAST | LUMAPRO | SM24-4 SERIES SKYLARK | GENERAL ELECTRIC 1V860 |
| E/200 | 120 | FLUOR | 2 FEET x 4 FEET SURFACE FIXTURE, 4 LAMP, A12 PRISMATIC ACRYLIC LENS, .125 INCHES THICK TWO ELECTRONIC BALLASTS, FUSED | COLUMBIA | 2ZE23 SKYLARK | 3-F32T8-3500K |

DISCONNECT SCHEDULE

| DESIG | AMPS | POLES | VOLTS | FUSE AMPS | NEMA ENCL | REMARKS |
|-------|------|-------|-------|-----------|-----------|-----------------|
| DSA | 60 | 3 | 240 | * | 1 | SBR BLOWER |
| DSB | 60 | 3 | 240 | * | 1 | SBR BLOWER |
| DSC | 60 | 2 | 240 | * | 1 | DIGESTER BLOWER |
| DSD | 30 | 3 | 240 | * | 4X | ABJ MIXER #1 |
| DSE | 30 | 3 | 240 | * | 4X | ABJ MIXER #2 |
| DSF | 30 | 3 | 240 | * | 4X | WAS PUMP #1 |
| DSG | 30 | 3 | 240 | * | 4X | WAS PUMP #2 |
| DSH | 30 | 3 | 240 | * | 4X | DECANTER #1 |
| DSI | 30 | 3 | 240 | * | 4X | DECANTER #2 |
| DSJ | 30 | 2 | 240 | * | 4X | UV UNIT |
| DSK | 400 | 2 | 240 | * | 3R | POWER CO. MAIN |
| DSL | 400 | 2 | 240 | * | 1 | MAIN |
| DSM | 400 | 2 | 240 | * | 1 | GENERATOR MAIN |
| DSN | 60 | 2 | 240 | * | 1 | WATER HEATER |

*-FUSE SIZE TO BE DETERMINED IN THE FIELD BASED ON UNIT FULL LOAD AMPS. FUSES TO BE TYPE RK1.

EQUIPMENT SCHEDULE

| ITEM | DESCRIPTION | MANUFACTURER |
|------|---|---------------------------------------|
| E1 | EXHAUST FAN - 1/6 HP - 900 CFM, 115 V WITH GRAVITY BACKDRAFT DAMPER | GREENHECK NO. SEI-14-440-B6 16" x 16" |
| E2 | COMBINATION GRAVITY INTAKE LOUVER / DAMPER | GREENHECK NO. CGI-402 24" x 24" |
| E3 | TEMPERATURE SWITCH, WALL MOUNT 60°F - 90°F SETTING, 8 AMPS/115 V | CHELSEA MODEL NO. G10A9 OR EQUIVALENT |
| E4 | WATER HEATER, 9.5 KW, 240 V, 1 PH MANUAL HIGH-LOW SETTINGS | POWERSTREAM MODEL NO. RP1P |
| E5 | 1.5 KW WALL HEATER, 240 V, 1 PH | DAYTON MODEL NO. 5ZK52 |
| E6 | 4 KW WALL HEATER, 240 V, 1 PH | DAYTON MODEL NO. 3UF60 |
| E7 | 4 KW WALL HEATER, 240 V, 1 PH | DAYTON MODEL NO. 5E185 |

NOTES:

- FURNISH AND INSTALL 400 AMP, 2 POLE, 10,000 AIC MAIN BREAKER IN PANEL. PANEL TO HAVE INTEGRAL SURGE PROTECTION.
- FURNISH AND INSTALL GROUND WIRE, SIZED PER NATIONAL ELECTRICAL CODE, IN EACH CONDUIT RUN. GROUND WIRE IS INCLUDED IN THE "3 EACH" FOR 12 AWG AND 10 AWG, "3 EACH".

MAIN DISTRIBUTION PANEL MDP (NOTE 1)

400 AMP, 120 / 240 V AC - 1 PHASE/3 WIRE SQUARE D NEMA 1 CABINET OR EQUIVALENT.

| ITEM | DESCRIPTION | VOLTAGE | HP | PHASE | CONDUIT | FEED WIRE (NOTE 2) | BREAKER AMPS RATING |
|------------------|--|---------|--------|-------|---------|---------------------|---------------------|
| MDP-1 | ABJ CONTROL PANEL (CP-1) | 240 | — | 1ϕ | 1" | 8 AWG 3 EACH THHN | 40/2 10,000 AIC |
| MDP-2 | CONTROL ROOM LIGHTING | 120 | — | 1ϕ | 3/4" | 12 AWG 3 EACH THHN | 20/1 10,000 AIC |
| MDP-3 TO MDP-5 | CONTROL ROOM OUTLETS | 120 | — | 1ϕ | 3/4" | 12 AWG 3 EACH THHN | 20/1 10,000 AIC |
| MDP-6 | WALL HEATER (BATHROOM) | 120 | 1.5 KW | 1ϕ | 3/4" | 12 AWG 3 EACH THHN | 20/1 10,000 AIC |
| MDP-7 | WALL HEATER (CONTROL ROOM) | 240 | 4 KW | 1ϕ | 3/4" | 10 AWG 3 EACH THHN | 20/2 10,000 AIC |
| MDP-8 AND MDP-9 | BLOWER ROOM OUTLETS | 120 | — | 1ϕ | 3/4" | 12 AWG 3 EACH THHN | 20/1 10,000 AIC |
| MDP-10 | SBR TANK OUTLETS | 120 | — | 1ϕ | 3/4" | 10 AWG 3 EACH THHN | 20/1 10,000 AIC |
| MDP-11 | BLOWER ROOM LIGHTING | 120 | — | 1ϕ | 3/4" | 12 AWG 3 EACH THHN | 20/1 10,000 AIC |
| MDP-12 | FLOW METER | 120 | — | 1ϕ | 3/4" | 12 AWG 3 EACH THHN | 20/1 10,000 AIC |
| MDP-13 | WALL HEATER (BLOWER ROOM) | 240 | 4 KW | 1ϕ | 3/4" | 10 AWG 3 EACH THHN | 20/2 10,000 AIC |
| MDP-14 | WATER HEATER | 240 | — | 1ϕ | 1" | 6 AWG 3 EACH THHN | 50/2 10,000 AIC |
| MDP-15 | VENTILATION FAN (BLOWER ROOM) | 120 | — | 1ϕ | 3/4" | 12 AWG 3 EACH THHN | 20/1 10,000 AIC |
| MDP-16 | DIGESTOR BLOWER | 240 | 7.5 HP | 3ϕ | 1" | 6 AWG 3 EACH THHN | 50/2 10,000 AIC |
| MDP-17 | HEAT TAPE | 120 | — | 1ϕ | 3/4" | 10 AWG 3 EACH THHN | 20/1 10,000 AIC |
| MDP-18 | SCREEN | 240 | 1 HP | 1ϕ | 1" | 8 AWG 3 EACH THHN | 30/2 10,000 AIC |
| MDP-19 | DIALER | 120 | — | 1ϕ | 3/4" | 12 AWG 3 EACH THHN | 20/1 10,000 AIC |
| MDP-20 | CONTROL ROOM OUTLETS | 120 | — | 1ϕ | 3/4" | 12 AWG 3 EACH THHN | 20/1 10,000 AIC |
| MDP-21 | DRUM FILTER OUTLETS | 120 | — | 1ϕ | 3/4" | 10 AWG 3 EACH THHN | 20/1 10,000 AIC |
| MDP-22 | DRUM FILTER CONTROL PANEL (CP-4) | 240 | — | 1ϕ | 3/4" | 10 AWG 3 EACH THHN | 20/2 10,000 AIC |
| MDP-23 | SBR/FILTER LIGHTING | 120 | — | 1ϕ | 3/4" | 10 AWG 3 EACH THHN | 20/1 10,000 AIC |
| MDP-24 | LIFT STATION | 240 | — | 1ϕ | 1 1/2" | 6 AWG 3 EACH THHN | 60/2 10,000 AIC |
| MDP-25 | UV SPLITTER PANEL | 120 | — | 1ϕ | 3/4" | 10 AWG 3 EACH THHN | 20/1 10,000 AIC |
| MDP-26 | UV SYSTEM MONITOR | 120 | — | 1ϕ | 3/4" | 10 AWG 3 EACH THHN | 20/1 10,000 AIC |
| MDP-27 | UV OUTLETS | 120 | — | 1ϕ | 3/4" | 10 AWG 3 EACH THHN | 20/1 10,000 AIC |
| MDP-28 | TIME SWITCH | 120 | — | 1ϕ | 3/4" | 12 AWG 3 EACH THHN | 20/1 10,000 AIC |
| MDP-29 | GENERATOR JACKET WATER HEATER | 120 | — | 1ϕ | 1" | 10 AWG 3 EACH THHN | 30/1 10,000 AIC |
| MDP-30 | GENERATOR BATTERY CHARGER AND HEATER PAD | 120 | — | 1ϕ | 1" | 10 AWG 3 EACH THHN | 20/1 10,000 AIC |
| MDP-31 | MCC | 240 | — | 1ϕ | 2" | 1/0 AWG 3 EACH THHN | 150/2 10,000 AIC |
| MDP-32 | U/C REFRIGERATOR RECEPTACLE | 120 | — | 1ϕ | 3/4" | 12 AWG 3 EACH THHN | 20/1 10,000 AIC |
| MDP-33 TO MDP-40 | SPARES | 120 | — | 1ϕ | — | — | 20/1 10,000 AIC |

Barton Associates
Consulting Engineers

Susquehanna Commerce Center
North Building
221 West Philadelphia Street
York, PA 17401

Tel.: (717) 845-7654
Fax: (717) 846-3708
Web: www.ba-inc.com

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PROJECT No: 2009078.00
DRAWN BY: FSI
DESIGNED BY: SEG
CHECKED BY: SEG

WM. F. HILL & ASSOC., INC.
PROFESSIONAL ENGINEERS
CIVIL ♦ MUNICIPAL ♦ ENVIRONMENTAL
GETTYSBURG, PA 17325
PH. (717) 334 - 9137

| PLAN PREPARATION | | REVISIONS | |
|------------------|-------------|-----------|-------------|
| DRAWN BY: | DATE: | NO. | DESCRIPTION |
| FSI | 09/01/11 | | |
| DESIGNED BY: | CHECKED BY: | | |
| PFH | WPH | | |

EQUIPMENT SCHEDULES - ELECTRICAL

JOSHUA HILL SEWER COMPANY, LLC
WASTEWATER TREATMENT FACILITY
WEST MANHEIM TOWNSHIP, YORK COUNTY, PA

SCALE AS SHOWN
SHEET NO. 31 OF 31

TUS Data Request Set 1

Application of The York Water Company - Wastewater for approval of the right to begin to offer, render, furnish or supply wastewater service to the public in an additional portion of West Manheim Township, York County, Pennsylvania

Docket No. A-2025-3053794

A-2 52 Pa. Code § 3.501(a)(1)(i)(B) requires that utilities provide a breakdown of the cost of construction, by major plant category, including the sources of funds used to construct the facilities. Please provide a detailed a breakdown of the projected total construction cost for the requested territory that includes material type descriptions, material quantities, unit costs and extended costs for the WWTP(s), pumping stations, manholes and the wastewater conveyance system delineated by development phase. This breakdown should include the material type and pipe size of the York Water-WW-owned portion of service laterals and should include the cost of appurtenances (e.g., clean-outs, etc.).

RESPONDENT:

Andrew Prosser
Director of Engineering & Construction
The York Water Company

RESPONSE:

The following costs are based upon recent projects and purchases completed by York Water and reflect reasonable estimates. Also, due to the redesign discussed in response to A-13, the Company does not have all the requested information at this time. The sources of funds will be as stated in the original Application, although an amendment of the Master Agreement may affect the amount of developer contribution. The collection system costs within Joshua Hill will retain the same estimates. Construction contingencies will be included in contracts and budgeting and are included in the values below. The costs reflected below may be altered through the course of final design and permitting and will be reliant upon pricing at the time of construction.

| | | |
|--------------------------|-----------------|---|
| WWTP | \$7 million | 58,000 gpd extended air on planned site |
| Collection System | \$4.237 million | 33 manholes, 6,500 LF 8” gravity lines, includes laterals & appurtenances |
| Joshua Hill Pump Station | \$2 million | |

| | | |
|---------------------------|--------------------------------|--------------------------|
| Werner Tract Pump Station | \$1.451 million | |
| Total | Approximately \$14.688 million | Includes 25% contingency |

TUS Data Request Set 1

Application of The York Water Company - Wastewater for approval of the right to begin to offer, render, furnish or supply wastewater service to the public in an additional portion of West Manheim Township, York County, Pennsylvania

Docket No. A-2025-3053794

A-3 52 Pa. Code § 3.501(a)(2)(ii) requires applicants to identify the location or route of proposed wastewater facilities. However, the Application does not identify the location or route of proposed wastewater facilities. Please provide a copy of a map of suitable scale that identifies the location or route of proposed wastewater facilities, including the WWTP, pump stations, manholes, etc.

RESPONDENT:

Andrew Prosser
Director of Engineering & Construction
The York Water Company

RESPONSE:

The system routes or locations will be the same as what was originally designed and permitted, primarily within public rights of way. The plans depicting where York Water facilities will be located are attached hereto as **A-1 Attachment 1**.

TUS Data Request Set 1

Application of The York Water Company - Wastewater for approval of the right to begin to offer, render, furnish or supply wastewater service to the public in an additional portion of West Manheim Township, York County, Pennsylvania

Docket No. A-2025-3053794

- A-4 The Application’s Section 3(b). indicated that the proposed Joshua Hill Farm Development (Development) will consist of 132 dwelling units and will be constructed in five phases. 52 Pa. Code § 3.501(a)(3)(i) requires that utilities provide an estimate of the number of customer connections in the first, fifth, and tenth years, and when the Development is completed. Please provide responses to the following:
- a. Provide an estimate of the number of customer connections in the first, fifth, and tenth years;
 - b. Provide an estimate of the number of customer connections by Development phase.

RESPONDENT:

Alexandra Chiaruttini
CAO
The York Water Company

RESPONSE:






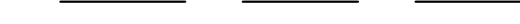



- a. For Joshua Hill alone (i.e., without the 100 failing systems identified in West Manheim Township), York Water estimates 0 customers in Year 1, 105 customers in Year 5, and 132 customers in Year 10. The following phasing was provided by the developer but is subject to permitting, construction, market conditions and is the subject of a Phasing Agreement with the Township. See **A-12 Attachment 1** (Township Phasing Agreement).² The plan below reflects a shorter build-out than the Phasing Plan included as **A-12 Attachment 1** to ensure compliance with the Township Phasing Agreement.

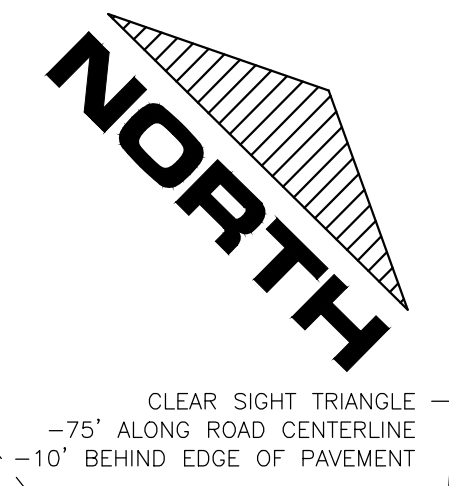
| | | |
|---------------|-----------------|----------------|
| Year 1 | 0 units | 2026 |
| Year 2 | 10 units | 2027/28 |
| Year 3 | 25 units | 2028/29 |
| Year 4 | 35 units | 2029/30 |
| Year 5 | 35 units | 2030/31 |
| Year 6 | 27 units | 2031/32 |

² The Township Phasing Agreement provides for construction and no building until 2027. In 2027, the Township Phasing Agreement anticipates site work and some construction of Phase I.

- b. See the response to subpart (a). See also the Phasing Plan included as **A-4 Attachment 1** (Phasing Plan). York Water will work cooperatively with the developer to ensure that phasing construction makes practical sense for the development and the utility facilities, as the Company does with other similar projects.

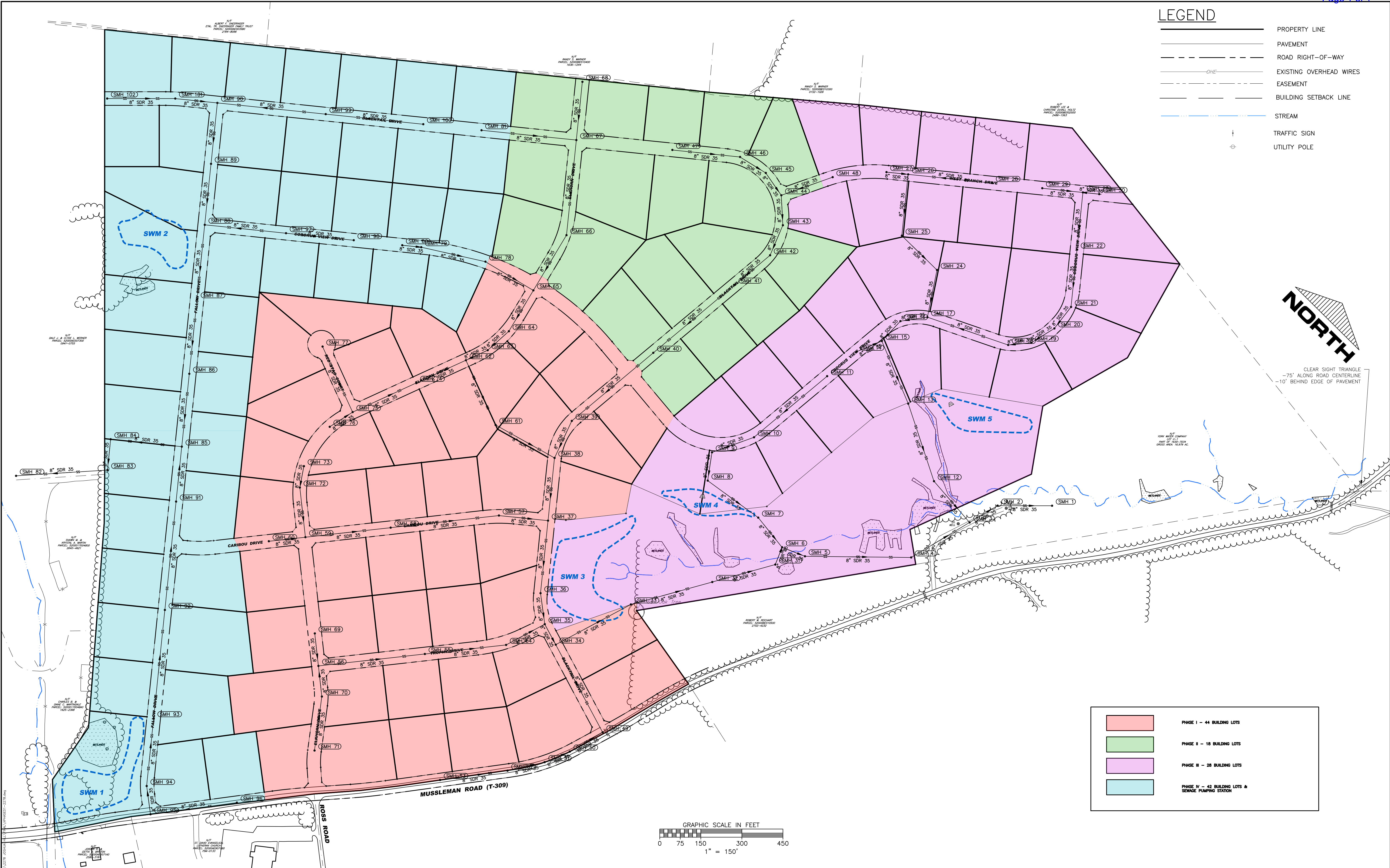
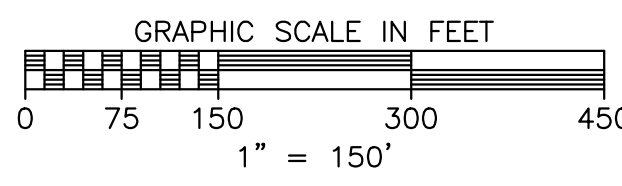
LEGEND

-  PROPERTY LINE
-  PAVEMENT
-  ROAD RIGHT-OF-WAY
-  EXISTING OVERHEAD WIRES
-  EASEMENT
-  BUILDING SETBACK LINE
-  STREAM
-  TRAFFIC SIGN
-  UTILITY POLE

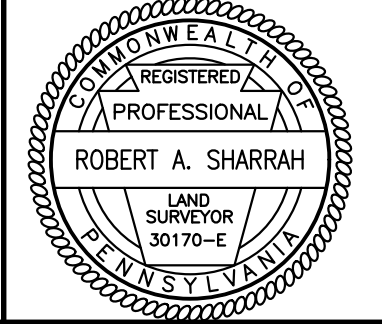


—75' CLEAR SIGHT TRIANGLE
—10' BEHIND EDGE OF PAVEMENT

| | |
|--|--|
| | PHASE I - 44 BUILDING LOTS |
| | PHASE II - 18 BUILDING LOTS |
| | PHASE III - 28 BUILDING LOTS |
| | PHASE IV - 42 BUILDING LOTS & SEWAGE PUMPING STATION |



Sharrah Design Group, Inc.
Land Surveying & Design
20 Chambersburg Street
Gettysburg, PA 17325
Phone: (717) 334-5400
Fax: (717) 334-0922
© COPYRIGHT 2024



| REVISIONS | | |
|-----------|------|-------------|
| NO. | DATE | DESCRIPTION |
| | | |
| | | |
| | | |

| XREFS | |
|--------------|--|
| EX00-2268YWC | |
| PL00-2268YWC | |

811 Know what's below.
Call before you dig.
PENNSYLVANIA ACT 287 (1974) AS AMENDED BY PENNSYLVANIA ACT 121 (2000) REQUIRES NO LESS THAN THREE (3) WORKING DAYS AND NO MORE THAN (60) WORKING DAYS NOTICE TO UTILITIES BEFORE YOU EXCAVATE, DRILL, BLAST OR REMOVE.

| PLAN PREPARATION | |
|------------------|--------------------|
| DRAWN BY: WLM | DATE: 22 MAY 2024 |
| DESIGNED BY: RAS | FILE NO.: 2278 |
| CHECKED BY: RAS | DWG NO.: SUB01 YWC |

PHASING PLAN
JOSHUA HILL FARM
A PLANNED RESIDENTIAL COMMUNITY
WEST MANHEIM TOWNSHIP ~ YORK COUNTY ~ PENNSYLVANIA

SCALE
1"=150'
SHEET NO.
LD XX

TUS Data Request Set 1

Application of The York Water Company - Wastewater for approval of the right to begin to offer, render, furnish or supply wastewater service to the public in an additional portion of West Manheim Township, York County, Pennsylvania

Docket No. A-2025-3053794

A-5 52 Pa. Code § 3.501(a)(3)(i) requires that utilities provide an estimate of the gallons of wastewater to be treated in the first, fifth, and tenth years, and at the completion of the Development. Please provide responses to the following:

- a. Quantify the estimated wastewater flows in the first, fifth, and tenth years; and
- b. Quantify the estimated wastewater flows by Development phase.

RESPONDENT:

Andrew Prosser
Director of Engineering & Construction
The York Water Company

RESPONSE:

Sewage planning flows³ are assumed to be 260 gpd per residential connection. This value accommodates peak flow design capacity. For Joshua Hill alone (i.e., without the 100 failing systems identified in West Manheim Township), York Water estimates wastewater flows of 0 gpd in Year 1, 27,300 gpd in Year 5, and 34,300 in Year 10. In Joshua Hill, all planned units are single family residential units. Additionally, the Township has reserved 100 residential EDUs in this treatment plant at the time of land development approval to address known or anticipated failing on-lot systems. Depending upon when the 100 Township connections are made, the facility will have additional flows of 26,000 gpd. There is also a capacity agreement included in **A-14 Attachment 1** for 50 EDUs at the Werner Tract. The Township EDUs would be connecting as the Township directs from within the existing and requested territory. The Werner Tract EDUs would be reserved upon closing and execution of the capacity reservation agreement.

³ Note that planning EDU flow value is conservative and represents higher than average connected customer flows. In West Manheim Township, an EDU is defined as 167 gpd in practice (planning assumes more so that a facility is not designed to be insufficient). The Penn Township volumes reflect 167 gpd per customer connection.

TUS Data Request Set 1

Application of The York Water Company - Wastewater for approval of the right to begin to offer, render, furnish or supply wastewater service to the public in an additional portion of West Manheim Township, York County, Pennsylvania

Docket No. A-2025-3053794

A-6 52 Pa. Code § 3.501(a)(5)(i) requires that utilities provide a 1, 5, and 10-year estimate of the operating revenues, operation and maintenance expenses, annual depreciation and taxes. Please provide a 1, 5, and 10-year estimate of the operating revenues, operation and maintenance expenses, annual depreciation and taxes separately for the requested territory and for the Development.

RESPONDENT:

Matthew Poff
Chief Financial Officer
The York Water Company

RESPONSE:

A spreadsheet containing the requested estimates is attached hereto as **A-6 Attachment 1**. York Water assumed 100 connections from the Township in Year 2 and applied reasonable averages and an on-site management fee. This is based upon the Company's current rates for West Manheim Township.

| | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 | Year 7 | Year 8 | Year 9 | Year 10 |
|--------------------|--------|-------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Monthly Charge | 89.73 | 89.73 | 89.73 | 89.73 | 89.73 | 89.73 | 89.73 | 89.73 | 89.73 | 89.73 |
| No. of Customers | - | 110 | 135 | 170 | 205 | 232 | 232 | 232 | 232 | 232 |
| Monthly Revenue | - | 9,870.30 | 12,113.55 | 15,254.10 | 18,394.65 | 20,817.36 | 20,817.36 | 20,817.36 | 20,817.36 | 20,817.36 |
| Annual Revenue | - | 118,443.60 | 145,362.60 | 183,049.20 | 220,735.80 | 249,808.32 | 249,808.32 | 249,808.32 | 249,808.32 | 249,808.32 |
| O & M Expenses | - | 40,389.27 | 49,568.65 | 62,419.78 | 75,270.91 | 85,184.64 | 85,184.64 | 85,184.64 | 85,184.64 | 85,184.64 |
| Depreciation | - | 22,030.51 | 27,037.44 | 34,047.15 | 41,056.86 | 46,464.35 | 46,464.35 | 46,464.35 | 46,464.35 | 46,464.35 |
| General Taxes | - | 2,487.32 | 3,052.61 | 3,844.03 | 4,635.45 | 5,245.97 | 5,245.97 | 5,245.97 | 5,245.97 | 5,245.97 |
| Income Taxes | - | 6,395.95 | 7,849.58 | 9,884.66 | 11,919.73 | 13,489.65 | 13,489.65 | 13,489.65 | 13,489.65 | 13,489.65 |
| On Site Management | - | 60,000.00 | 60,000.00 | 60,000.00 | 60,000.00 | 60,000.00 | 60,000.00 | 60,000.00 | 60,000.00 | 60,000.00 |
| Annual Expenses | - | 131,303.05 | 147,508.29 | 170,195.62 | 192,882.95 | 210,384.61 | 210,384.61 | 210,384.61 | 210,384.61 | 210,384.61 |
| Operating Income | - | (12,859.45) | (2,145.69) | 12,853.58 | 27,852.85 | 39,423.71 | 39,423.71 | 39,423.71 | 39,423.71 | 39,423.71 |

TUS Data Request Set 1

Application of The York Water Company - Wastewater for approval of the right to begin to offer, render, furnish or supply wastewater service to the public in an additional portion of West Manheim Township, York County, Pennsylvania

Docket No. A-2025-3053794

A-7 In Section 12 of the Application, York Water-WW indicated that Woodhaven Building and Development, Inc. and Joshua Investments, LLC (collectively, “Developers”) have received Pennsylvania Department of Environmental Protection (DEP) National Pollutant Discharge Elimination System (NPDES) Permit No. PA0261343. 52 Pa. Code § 3.501(a)(6)(i) requires that utilities provide a copy of the applicable NPDES permits.

Please provide a copy of NPDES Permit No. PA0261343 along with a copy of the DEP approval letter. Also, separately provide evidence that the subject permit was transferred to York Water-WW.

RESPONDENT:

Andrew Prosser
Director of Engineering & Construction
The York Water Company

RESPONSE:

The Planning approval and NPDES Permit No. PA0261343 are attached hereto as **A-7 Attachments 1 and 2**, respectively. The Seller has only provided York Water with a copy of NPDES Permit No. PA0261343 that was effective from August 1, 2025, to July 31, 2020. York Water is still waiting on the Seller to provide a copy of the currently-effective NPDES Permit. York Water will supplement this response after the Seller provides the currently-effective NPDES Permit to the Company. The permit will not be transferred to York Water until York Water is authorized to provide sewer service in the requested territory. Upon authorization, the permit will be transferred and refined through DEP permit modification, as necessary.



Pennsylvania Department of Environmental Protection

150 Roosevelt Avenue, Suite 200
York, PA 17401-3381
December 29, 2008

717-771-4481
FAX 717-845-3496

York District Office

West Manheim Township Supervisors
2412 Baltimore Pike
Hanover, PA 17331

Re: Planning Module for New Land
Development
APS ID No. 660387
Joshua Hill
West Manheim Township, York County
DEP Code No. D3-67964-176-3

Ladies and Gentlemen:

The Department of Environmental Protection (Department) has reviewed the proposed Official Plan revision consisting of a 136 lot single-family residential subdivision on 203.7 acres with 132 proposed building lots and total proposed sewage flows of 32,100 gpd. The sewage flows will be tributary to a private on-site wastewater treatment plant with a discharge to an unnamed tributary of the West Branch of the Codorus Creek. The wastewater treatment plant will be sized at 100,000 gpd in order to accommodate possible future development and to serve existing homes with on-lot sewage disposal system problems. The proposed development is located on the northeastern corner of Musselman Road and the Baltimore Pike (SR 0094) in West Manheim Township, York County.

The plan revision is approved with the following conditions:

1. The approved project will require an NPDES permit for the proposed effluent discharge. The permit application must be submitted in the name of the owner.
2. The approved project will require a Clean Streams Law (CSL) permit for the construction and operation of the proposed sewerage facilities. The permit application must be submitted in the name of the owner. Approval of this planning module is only approval of the preliminary concept of the proposed project and does not assure that a permit application will be acted upon favorably by the Department. Issuance of a CSL permit will be based upon a technical evaluation of the permit application and supporting information. Starting construction prior to obtaining a permit is a violation of the Clean Streams Law.

West Manheim Township

- 2 -

December 29, 2008

3. An operating plan should be in place for startup of the treatment facility or low flow operation of the treatment facility.
4. This plan approval does not include approval of the system design which will be evaluated and approved as part of the CSL permit application review.
5. Other Department permits may be required for construction if encroachment to streams or wetlands will result. Information regarding the requirements for such permits or approvals can be obtained from the Department's Permitting and Technical Services Section, Water Management Program, Southcentral Regional Office, 909 Elmerton Avenue, Harrisburg, PA, or by calling (717) 705-4707.
6. The Township's Plan Revision proposes a private treatment facility to be the long range disposal method for this development. The treatment facility will be designed in a manner so as to allow it to be converted to a pumping station in the event municipal waste water conveyance facilities are extended to the vicinity of the proposed facility.
7. The treatment facility will be designed for a total capacity of 100,000 gpd, which includes 136 lots (132 EDUs) in the Joshua Hill Development, additional capacity in anticipation of developing adjoining properties and connecting up to 150 existing homes with on-lot disposal problems. A plan revision and planning module submission will be required for these adjoining properties and existing homes that will be connected in the future.
8. The Utility Owner, Joshua Hill Sewer Company, in accordance with the September 4, 2008 Installation, Operation and Maintenance Agreement with West Manheim Township shall obtain Nutrient Credits and/or Nutrient Offsets, as necessary to comply with the 'no net nutrient loading' requirement for the facility's discharge. These requirements will be spelled out in the Department's Water Quality and NPDES Permits and approvals. Only certified nutrient credits or offsets may be used to satisfy the discharge requirements.

If you have any questions concerning this matter, please call me at 717-771-4481.

Sincerely,



Carrie A. Wilt
Sewage Planning Specialist
Water Management Program

cc: Woodhaven Building and Development, Inc.
William F. Hill & Associates, Inc. ✓
York County Planning Commission
Crystal Newcomer

3800-PM-BPNPSM0013 Rev. 10/2014

Permit



pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT

**AUTHORIZATION TO DISCHARGE UNDER THE
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
DISCHARGE REQUIREMENTS FOR NON-MUNICIPAL
SEWAGE TREATMENT WORKS**

NPDES PERMIT NO: PA0261343

In compliance with the provisions of the Clean Water Act, 33 U.S.C. Section 1251 *et seq.* ("the Act") and Pennsylvania's Clean Streams Law, as amended, 35 P.S. Section 691.1 *et seq.*,

**Joshua Hill Sewer Company LLC
929 Baltimore Street
Hanover, PA 17331**

is authorized to discharge from a facility known as Joshua Hill WWTP, located in West Manheim Township, York County, to Unnamed Tributary to West Branch Codorus Creek in Watershed(s) 7-H in accordance with effluent limitations, monitoring requirements and other conditions set forth in Parts A, B and C hereof.

THIS PERMIT SHALL BECOME EFFECTIVE ON AUGUST 1, 2015

THIS PERMIT SHALL EXPIRE AT MIDNIGHT ON JULY 31, 2020

The authority granted by this permit is subject to the following further qualifications:

1. If there is a conflict between the application, its supporting documents and/or amendments and the terms and conditions of this permit, the terms and conditions shall apply.
2. Failure to comply with the terms, conditions or effluent limitations of this permit is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. (40 CFR 122.41(a))
3. A complete application for renewal of this permit, or notice of intent to cease discharging by the expiration date, must be submitted to DEP at least 180 days prior to the above expiration date (unless permission has been granted by DEP for submission at a later date), using the appropriate NPDES permit application form. (40 CFR 122.41(b), 122.21(d)(2))

In the event that a timely and complete application for renewal has been submitted and DEP is unable, through no fault of the permittee, to reissue the permit before the above expiration date, the terms and conditions of this permit, including submission of the Discharge Monitoring Reports (DMRs), will be automatically continued and will remain fully effective and enforceable against the discharger until DEP takes final action on the pending permit application. (25 Pa. Code §§ 92a.7(b), (c))

4. This NPDES permit does not constitute authorization to construct or make modifications to wastewater treatment facilities necessary to meet the terms and conditions of this permit.

DATE PERMIT ISSUED

JUL 21 2015

ISSUED BY

Maria D. Bebenek

Maria D. Bebenek, P.E.
Clean Water Program Manager
Southcentral Regional Office

3800-PM-BPNPSM0013 Rev. 10/2014
Permit

Permit No. PA0261343

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. A. For Outfall 001, Latitude 39° 44' 55.00", Longitude 76° 54' 54.00", River Mile Index 0.13, Stream Code 08255

Receiving Waters: Unnamed Tributary to West Branch Codorus Creek

Type of Effluent: Treated Sewage

1. The permittee is authorized to discharge during the period from August 1, 2015 through July 31, 2020.
2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements and Footnotes).

| Parameter | Effluent Limitations | | | | | Monitoring Requirements | | |
|---|-------------------------------------|---------------|-----------------------|-------------------|-----|-------------------------|--|----------------------|
| | Mass Units (lbs/day) ⁽¹⁾ | | Concentrations (mg/L) | | | Instant. Maximum | Minimum Measurement Frequency ⁽²⁾ | Required Sample Type |
| | Average Monthly | Daily Maximum | Minimum | Average Monthly | XXX | | | |
| Flow (MGD) | Report | Report | XXX | XXX | XXX | XXX | Continuous | Measured |
| pH (S.U.) | XXX | XXX | 6.0 | XXX | XXX | 9.0 | 1/day | Grab |
| Dissolved Oxygen | XXX | XXX | 5.0 | XXX | XXX | XXX | 1/day | Grab |
| UV Intensity ($\mu\text{w}/\text{cm}^2$) | XXX | XXX | Report | XXX | XXX | XXX | 1/day | Recorded |
| CBOD5 | XXX | XXX | XXX | 25 | XXX | 50 | 2/month | 8-Hr Composite |
| Total Suspended Solids | XXX | XXX | XXX | 30 | XXX | 60 | 2/month | 8-Hr Composite |
| Fecal Coliform (CFU/100 ml) May 1 - Sep 30 | XXX | XXX | XXX | Geo Mean 200 | XXX | 1,000 | 2/month | Grab |
| Fecal Coliform (CFU/100 ml) Oct 1 - Apr 30 | XXX | XXX | XXX | Geo Mean 2,000 | XXX | 10,000 | 2/month | Grab |
| Ammonia-Nitrogen May 1 - Oct 31 | XXX | XXX | XXX | 1.5 | XXX | 3.0 | 2/month | 8-Hr Composite |
| Ammonia-Nitrogen Nov 1 - Apr 30 | XXX | XXX | XXX | 4.5 | XXX | 9.0 | 2/month | 8-Hr Composite |
| Total Phosphorus | XXX | XXX | XXX | 0.5 | XXX | 1.0 | 2/month | 8-Hr Composite |

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):
at Outfall 001

3800-PW-BPNPSM0013 Rev. 10/2014
Permit

Permit No. PA0261343

PART A: EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. B. For Outfall 001, Latitude 39° 44' 55.00", Longitude 76° 54' 54.00", River Mile Index 0.13, Stream Code 08255

Receiving Waters: Unnamed Tributary to West Branch Codorus Creek

Type of Effluent: Treated Sewage

1. The permittee is authorized to discharge during the period from August 1, 2015 through July 31, 2020.
2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements and Footnotes).

| Parameter ⁽¹⁾ | Effluent Limitations | | | | Monitoring Requirements | |
|--------------------------|----------------------|--------|-----------------------|---------|-------------------------------|----------------------|
| | Mass Units (lbs) | | Concentrations (mg/L) | | Minimum Measurement Frequency | Required Sample Type |
| | Monthly | Annual | Minimum | Maximum | | |
| Ammonia--N | Report | Report | Report | Report | 2/month | 8-Hr Composite |
| Kjeldahl--N | Report | Report | Report | Report | 2/month | 8-Hr Composite |
| Nitrate-Nitrite as N | Report | Report | Report | Report | 2/month | 8-Hr Composite |
| Total Nitrogen | Report | Report | Report | Report | 2/month | Calculation |
| Total Phosphorus | Report | Report | Report | Report | 2/month | 8-Hr Composite |
| Net Total Nitrogen | Report | 0 | Report | Report | 1/month | Calculation |
| Net Total Phosphorus | Report | 0 | Report | Report | 1/month | Calculation |

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Outfall 001.

Footnotes:

(1) See Part C for Chesapeake Bay Requirements.

(2) This is the minimum number of sampling events required. Permittees are encouraged, and it may be advantageous in demonstrating compliance, to perform more than the minimum number of sampling events required.



COMMONWEALTH OF PENNSYLVANIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT

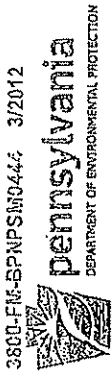
**SUPPLEMENTAL REPORT
 DAILY EFFLUENT MONITORING**

Facility Name: Joshua Hill WWTP Month: _____ Year: _____
 Municipality: West Manheim Township NPDES Permit No.: PA0261343 Outfall No.: 001
 Watershed: 7-H County: York Renewal application due **180 days** prior to expiration
 Laboratories: _____ This permit will expire on **July 31, 2020**

| Day | Flow | | pH | | DO | | UV Intensity | | CBOD5 | | TSS | | Fecal Coliform | | Ammonia | | Total Phosphorus | | |
|-----|------|-----|----|------|----|------|--------------|--------------------|-------|------|-----|------|----------------|------------|---------|------|------------------|------|--|
| | Q | MGD | Q | S.U. | Q | mg/L | Q | $\mu\text{w/cm}^2$ | Q | mg/L | Q | mg/L | Q | CFU/100 ml | Q | mg/L | Q | mg/L | |
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| 31 | | | | | | | | | | | | | | | | | | | |
| Avg | | | | | | | | | | | | | | | | | | | |

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: _____ Signature: _____
 Title: _____ Date: _____



3850-FM-BPNPMSM0444 3/2012

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT

CHESAPEAKE BAY SUPPLEMENTAL REPORT NUTRIENT MONITORING

Facility Name: Joshua Hill WWTP Month: _____ Year: _____
 Municipality: West Manheim Township NPDES Permit No.: PA0261343 Outfall No.: _____
 Watershed: 7-H County: York Renewal application due 180 days prior to expiration
 This permit will expire on July 31, 2020

| Date | Flow | | TKN | | NO ₃ -N | | ESN | |
|------|------|-------|------|-----------|--------------------|-----------|------|-----------|
| | mg/L | (cfs) | mg/L | (lbs/day) | mg/L | (lbs/day) | mg/L | (lbs/day) |
| 1 | | | | | | | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
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| 30 | | | | | | | | |
| 31 | | | | | | | | |
| Avg | | | | | | | | |

Monthly Total Loads (lbs):
(Avg result x No. days in month)

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: _____ Signature: _____
 Title: _____ Date: _____



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT

NON-COMPLIANCE REPORTING FORM

Use this supplemental form to report all permit violations and any other non-compliance that may endanger health or the environment, in accordance with your permit. Complete all sections that apply. If you are reporting violations of permit limits, monitoring requirements or schedules that do not pose an immediate threat to health or the environment, you may attach this form to the Discharge Monitoring Report (DMR). Title 25, Pa. Code §§ 91.33 and 91.34 (regarding incidents causing or threatening pollution and activities utilizing pollutants, respectively), in part requires immediate notification by telephone to the Department of Pollution Incidents, Remediation, and may require an additional report on the incident or plan of pollution prevention measures, if you are reporting other non-compliance events, and the reporting deadline does not coincide with your submission of the DMR, it should be submitted separately to the Department by the reporting deadline set forth in the permit. See instructions for more information.

Facility Name: Joshua Hill WWTP Month: _____ Year: _____
 Municipality: West Manheim Township County: York Permit No.: PA0261343

Violations of Permit Effluent Limitations*

| Date | Parameter | Permit Limit | Units | Statistical Code | Result | Units | Cause of Violation | Corrective Action Taken |
|------|-----------|--------------|-------|------------------|--------|-------|--------------------|-------------------------|
| | | | | | | | | |
| | | | | | | | | |

Sanitary Sewer Overflows and Other Unauthorized Discharges*

| Event Date | Substance Discharged | Location | Volume (gals) | Duration (hrs) | Receiving Waters | Impact on Waters | Cause of Discharge | Date DEP Notified |
|------------|----------------------|----------|---------------|----------------|------------------|------------------|--------------------|-------------------|
| | | | | | | | | |
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Other Permit Violations*

- Sample collection less frequent than required Explain
- Sample type not in compliance with permit Explain
- Violation of permit schedule Explain
- Other Explain
- Other Explain

*** If the space provided is not sufficient to record all information, please attach additional sheets.**

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: _____ Signature: _____
 Title: _____ Date: _____

3800-FM-BPNPSM0189 3/2012



pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT

SUPPLEMENTAL LABORATORY ACCREDITATION FORM¹

| | | | |
|--|-----------------|-------------------------------------|----------------------------|
| Permittee Name: <u>Joshua Hill Sewer Company LLC</u> | | | |
| Address: <u>929 Baltimore Street</u> | | | |
| <u>Hanover, PA 17331</u> | | | |
| PERMIT NUMBER | | MONITORING PERIOD Year/Month/Day | |
| PA0261343 | | | TO |
| PARAMETER | ANALYSIS METHOD | LAB NAME | LAB ID NUMBER ² |
| | | | |
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I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name/Title Principal Executive Officer Phone: _____

Signature of Principal Executive Officer or
Authorized Agent

_____ Date: _____

¹ Submit this form with the first Discharge Monitoring Report (DMR) or Annual Report, where sample results are submitted to the Department for compliance purposes. You do not need to send this form to the Department again UNLESS there has been a change to the lab(s), parameter(s) or method(s) of analysis.
² For parameter(s) covered under accreditation-by-rule, submit the lab's registration number in lieu of an accreditation number.



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT

**CHESAPEAKE BAY SUPPLEMENTAL REPORT
ANNUAL NUTRIENT SUMMARY**

Facility Name: Joshua Hill WWTP County: York For Compliance Year: 10/1/20 to 9/30/20
 Municipality: West Manheim Township NPDES Permit No.: PA0261343 Outfall No.: _____
 Watershed: 7-H Renewal application due 180 days prior to expiration
 Total N Credits Purchased During Year: _____ lbs This permit will expire on: July 31, 2020
 Total P Credits Purchased During Year: _____ lbs Delivery Ratios: Total N: _____ Total P: _____

| MONTH | Monthly Total Mass Loads (lbs) | | Credits Sold / Delivery Ratios (lbs) | | Credits Applied / Delivery Ratios (lbs) | | Offsets (lbs) | | Monthly Net Mass Loads (lbs) | |
|------------------------------------|--|---------|---|---------|---|---------|---------------|---------|------------------------------|---------|
| | Total N | Total P | Total N | Total P | Total N | Total P | Total N | Total P | Total N | Total P |
| October | | | | | | | | | | |
| November | | | | | | | | | | |
| December | | | | | | | | | | |
| January | | | | | | | | | | |
| February | | | | | | | | | | |
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| April | | | | | | | | | | |
| May | | | | | | | | | | |
| June | | | | | | | | | | |
| July | | | | | | | | | | |
| August | | | | | | | | | | |
| September | | | | | | | | | | |
| Totals: | | | | | | | | | | |
| Truing Period Calculations: | Annual Total Mass Loads (lbs) | | Credits Purchased / Delivery Ratios (lbs) | | Credits Applied / Delivery Ratios (lbs) | | Offsets (lbs) | | Annual Net Mass Loads (lbs) | |
| | | | | | | | | | | |
| | Truing Period Adjustments (Oct 1 - Nov 28) | | | | | | | | | |
| | | | | | | | | | | |

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: _____ Signature: _____
 Title: _____ Date: _____

TUS Data Request Set 1

Application of The York Water Company - Wastewater for approval of the right to begin to offer, render, furnish or supply wastewater service to the public in an additional portion of West Manheim Township, York County, Pennsylvania

Docket No. A-2025-3053794

A-8 In Section 13, Footnote 11, of the Application, York Water-WW indicated that it plans to redesign the treatment facilities and refine the design of the collection system in accordance with its design standards, and that this will require modification of permits.

52 Pa. Code § 3.501(a)(7)(i) requires that utilities address all the applicable requirements or mandates of the DEP. Please provide responses to the following:

- a. Provide the status of the York Water-WW proposed permit modifications with DEP to include copies of any permit modification applications submitted to DEP, correspondence between DEP and York Water-WW, and any DEP-approved permits; and
- b. Provide a list of any additional permits required to provide wastewater service to the requested territory and the status of those permits.

RESPONDENT:

Andrew Prosser
Director of Engineering & Construction
The York Water Company

RESPONSE:

- a. See the response to A-7. York Water has an engineering contract to evaluate the prior design. The infrastructure location(s) will remain largely the same within the collection system, and the WWTP will be constructed in the same location as was originally designed. The WWTP site has been subdivided and transferred to York Water. Beyond minor revisions, the final plans are expected to be similar to the prior permitted facilities.⁴
- b. Likely required permits include at least one General Permit-5 (GP-5), a Water Quality Management (WQM) Permit for the pump station(s), and Township/Conservation District Chapter 102 approval for construction. York Water will obtain all required permits and approvals applicable to this project.

⁴ Additionally, when the PUC Application was submitted, the capacity of the proposed treatment plant was more dissimilar from the permitted facilities. Today, the plant will be rather similar to what we previously permitted.

TUS Data Request Set 1

Application of The York Water Company - Wastewater for approval of the right to begin to offer, render, furnish or supply wastewater service to the public in an additional portion of West Manheim Township, York County, Pennsylvania

Docket No. A-2025-3053794

A-9 52 Pa. Code § 3.501(a)(9) requires that utilities demonstrate compliance with Pennsylvania Sewage Facilities Act (Act 537) requirements. Please provide evidence that the Application's requested territory is compliant with West Manheim Township's (West Manheim's) Act 537 Plan, to include any associated plan revisions and DEP approval letters.

RESPONDENT:

Andrew Prosser
Director of Engineering & Construction
The York Water Company

RESPONSE:

See answer to A-10, *infra*.

TUS Data Request Set 1

Application of The York Water Company - Wastewater for approval of the right to begin to offer, render, furnish or supply wastewater service to the public in an additional portion of West Manheim Township, York County, Pennsylvania

Docket No. A-2025-3053794

- A-10 As the Application’s Exhibit D, York Water-WW provided a copy of a letter from West Manheim indicating that the Application is consistent with the applicable comprehensive plans, Act 537 Plan, and/or zoning ordinances. The letter states the “Plan was consistent at the time it was submitted”. 52 Pa. Code § 3.501(b) states that the Commission will consider and may rely upon the comprehensive plans, multi-municipal plans, zoning ordinances, and joint municipal zoning ordinances, consistent with the authority in sections 619.2 and 1105 of the Municipalities Planning Code (53 P.S. § § 10619.2 and 11105), when reviewing applications for a certificate of public convenience as a wastewater collection, treatment or disposal provider. Please clarify whether the Application is still consistent with the adopted comprehensive plans, Act 537 Plan, and/or zoning ordinances.

RESPONDENT:

Alexandra Chiaruttini
CAO
The York Water Company

RESPONSE:

This Application is still consistent with the plans and ordinances in West Manheim Township. This development and the approved sewage treatment plant was approved by the Township in the 2000s under prior zoning. At the time it was approved, it was compliant with local zoning. Since this approval, the Township updated its comprehensive plan. However, the previously approved land development plan remains approved. If the developers do not construct, then the (then) current zoning will bind a future project owner or developer.⁵ Please see the Township Phasing Agreement attached hereto as **A-12 Attachment 1** for recent and more detailed confirmation of the Application and development plan. See also the planning approval letter in **A-7 Attachment 1** and the Phasing Plan included as **A-4 Attachment 1**.

⁵ York Water understands from the developer that there is an ‘endpoint’ to the land development approval, which gave rise to the Township Phasing Agreement included as **A-4 Attachment 1**. The PUC’s approval must be acted upon in a timely way to stay on track with that Phasing Agreement.

TUS Data Request Set 1

Application of The York Water Company - Wastewater for approval of the right to begin to offer, render, furnish or supply wastewater service to the public in an additional portion of West Manheim Township, York County, Pennsylvania

Docket No. A-2025-3053794

- A-11 As the Application’s Exhibit E, York Water-WW provided a County Land Use Letter from the York County Planning Commission (YCPC Letter). The YCPC Letter indicated that the Application is not consistent with the adopted county or multi-county comprehensive plan because the area in question is an Established Rural Area, where public sewer is discouraged unless necessary to address an existing public health hazard. The YCPC Letter further indicates that West Manheim’s Draft Comprehensive Plan Update, currently pending adoption, continues to designate the subject area as Farming/Rural for future use and it is likewise outside of the West Manheim’s Designated Growth Area. Please explain how the Application could be revised to comply with York County and West Manheim’s comprehensive plans.

RESPONDENT:

Alexandra Chiaruttini
CAO
The York Water Company

RESPONSE:

This Application is not required to comply with York County’s comprehensive plan, as the plan is legally advisory only. The land development plan, the proposed WWTP, and wastewater infrastructure were approved by the Township under its local ordinances. The Township has stated such in its consistency letter(s), attached to the original Application.

To the extent this data request refers to the land development plan for Joshua Hill, that is a private developer’s land application. To the extent that this data request seeks to align the proposed utility facilities to the approved development plans and capacity agreement, York Water has accomplished that by reducing the proposed size/capacity of the WWTP to what was originally proposed to serve the requested territory area. York Water has applied to provide sewer service to the planned development of approximately 100 EDUs from the Township in the adjacent area.

TUS Data Request Set 1

Application of The York Water Company - Wastewater for approval of the right to begin to offer, render, furnish or supply wastewater service to the public in an additional portion of West Manheim Township, York County, Pennsylvania

Docket No. A-2025-3053794

A-12 York Water-WW did not provide evidence of preliminary/final subdivision or land development planning approval for the Development. Please provide responses to the following:

- a. Provide a copy of the municipal approval letter from West Manheim for the most recent approved preliminary subdivision plan including all conditions of approval;
- b. Provide a complete and legible copy, in electronic format, of the most recent municipally-approved preliminary subdivision plan set for the Development;
- c. Provide a copy of the municipal approval letters from West Manheim for any municipally-approved final subdivision plan for the Development including all conditions of approval; and
- d. Provide a complete and legible copy, in electronic format, of any municipally- approved final subdivision plan sets for the Development.

RESPONDENT:

Alexandra Chiaruttini
CAO
The York Water Company

RESPONSE:

Please note that the following responses are based upon information and responses from the Joshua Hill representatives and the Township representatives.

- a. See **A-12 Attachment 1**, the July 10, 2024 Township Phasing Agreement. There was no letter issued when conditional approval was issued by the Township for Joshua Hill on April 21, 2021. The Board of Supervisors' approval is conditioned upon obtaining all required permits, which the July 10, 2024 Phasing Agreement acknowledges.
- b. See the response to A-1, *supra*.

- c. The Final Subdivision Plan has not yet been approved, but the final plans for Phase I will be submitted to the Township soon. These plans provide the construction plans for NPDES earthmoving and stormwater management details but do not alter anything in the preliminary plan.
- d. See the response at A-14(c), *infra*.

Exhibit G

AGREEMENT FOR PHASING OF DEVELOPMENT

THIS AGREEMENT is entered into this 10th day of July, 2024 by and between JOSHUA INVESTMENTS, LLC, a Maryland limited liability company with a registered address of 4175 Hanover Pike, Manchester, Maryland 21102 (“the Developer”) and WEST MANHEIM TOWNSHIP, a Pennsylvania Township of the Second Class with an address of 2412 Baltimore Pike, Hanover, Pennsylvania 17331 (“the Township”).

BACKGROUND

A. The Developer is the owner of property located in the Township, known as UPI No. 52-0000-AE-0071.00-00000, which is the subject of an approved preliminary subdivision plan (the “Plan”) for a 132-lot single family residential development (“the Development”), which plan was conditionally approved by the Township on April 20, 2021.

B. Integral to the Development is the permitting and construction of a wastewater treatment plant and collection system to serve the Development and the surrounding community.

C. On 10th day July, 2024, the Developer has entered into an agreement with The York Water Company, whereby The York Water Company would obtain necessary approvals for and construct the proposed wastewater treatment plant and collection system.

D. Due in part to the time needed to obtain necessary approvals for the wastewater treatment plant and construction of the wastewater treatment plant, it is anticipated that the time necessary for completion of the development shall be longer than originally anticipated or as may be provided under the Pennsylvania Municipalities Planning Code.

E. The Developer has, in conjunction with this Agreement, submitted to the Township a final subdivision plan for Phase I of the Development and the Township is in agreement with allowing the Development to proceed in accordance with the Phasing Schedule set forth as part of that plan and on Exhibit “A”, attached hereto and incorporated herein by reference.

NOW THEREFORE, intending to be legally bound hereby the parties agree as follows:

1. The Developer agrees that should any timeframe as set forth on Exhibit “A” be delayed or be expected to be delayed, Developer shall provide notice of such delay and an updated project schedule no later than thirty (30) days in advance of the deadline on Exhibit “A”

that will not be met.

2. So long as Developer complies with the schedule on Exhibit "A", as may be modified from time to time as set forth above, the Township shall provide protection for the Development for any ordinance changes, including changes or amendments in zoning, subdivision or other governing ordinance or plan, that would affect adversely the right of the Developer to commence or complete the Development in accordance with terms of the Plan approval and any subsequent final plan approvals.

3. This Agreement is the entire Agreement and understanding between the parties and there are no other writings, agreements or promises other than those set forth herein.

4. This Agreement may or may not be altered, contradicted or terminated except via writing dated subsequent hereto and executed by the parties hereto.

5. This Agreement shall be binding upon the parties hereto, their heirs, successors or assigns.

IN WITNESS WHEREOF, the parties hereunto affixed their hands to this Agreement on the day and year first above written.

ATTEST:

WEST MANHEIM TOWNSHIP

Shanna Khuh

By: Jeremy Ault

Name: Jeremy Ault
Title: Chairman

Date: 8/15/2024

WITNESS:

JOSHUA INVESTMENTS, LLC

Shawn Klein

By: Jennifer Hill Bubezyk

Name: Jennifer Hill Bubezyk
Title: Managing member

Exhibit A

Woodhaven's Construction Timeline

| <u>Task:</u> | <u>Duration:</u> |
|---|----------------------|
| Permits and Entitlements | 3 years |
| WWTPN Phase 1 Site Work | 1 year |
| Phase 1 Buildout and Phase 2 Entitlements | 1 year and 9 months |
| Phase 2 Buildout and Phase 3 Entitlements | 1 year and 9 months |
| Phase 3 Buildout and Phase 4 Entitlements | 1 year and 3 months |
| Phase 4 Buildout and Phase 5 Entitlements | 1 year and 6 months |
| Phase 5 Buildout | 2 years and 6 months |

TUS Data Request Set 1

Application of The York Water Company - Wastewater for approval of the right to begin to offer, render, furnish or supply wastewater service to the public in an additional portion of West Manheim Township, York County, Pennsylvania

Docket No. A-2025-3053794

A-13 In Section 6 of the Application, York Water-WW indicated that the estimated cost of the wastewater facilities for all five phases of the development would be \$27,574,500, including \$21,886,000 for the WWTP, \$1,451,000 for the Werner Pump Station, and \$4,237,500 for the collection system. York Water-WW also indicated that the Developers would contribute \$420,790 for the Werner Pump Station and \$936,721 for the WWTP, for a total contribution of \$1,357,511 ($\$420,790 + \$936,721 = \$1,357,511$). This brings the cost to York Water-WW to a total of \$26,216,989 ($\$27,574,500 - \$1,357,511 = \$26,216,989$). York Water-WW further indicated that the Joshua Hill Farm development (Development) would consist of 132 homes. This results in a cost to York Water-WW per customer of approximately \$198,614 ($\$26,216,989 / 132 \text{ customers} = \$198,614 \text{ per customer}$). Please explain how the Application, that includes an apparent expenditure of \$198,614 per additional customer, is in the interest of York Water-WW's existing customers.

RESPONDENT:

Alexandra Chiaruttini
CAO
The York Water Company

RESPONSE:

See Section 16 of the Application, where York Water set forth reasons for why Commission approval of the Application is in the public interest and is necessary and proper for the service, accommodation, convenience, and safety of the public. Moreover, after filing the Application, York Water has altered its plans for this project and is now proposing a smaller treatment facility. Due to those design changes, the capital requirements will be significantly reduced, and the developer's contribution will be significantly increased. Specifically, the redesign, although currently in the estimation phase, address the actual, contracted needs, *i.e.*, the private development and the Township needs contracted for to date. In light of the redesign, York Water is working on an amendment to the Master Agreement to update the provisions governing the developer's contribution. When that amendment is executed, York Water will file it at the docket under separate cover letter.

In addition, as shown in **A-6 Attachment 1**, York Water projects annual operating income from the 232 customers (i.e., 132 Joshua Hill customers plus 100 failed systems) of \$39,423.71. That increase in operating income can help contribute to investments in the Company's wastewater systems that serve existing customers.

Further, this area of York County is growing more quickly than the rest of the County. York Water owns and operates the wastewater collection and conveyance system serving the majority of this municipality, and that system is growing rapidly and is under significant pressure for capacity based upon pending land development plans. This wastewater is currently conveyed to Penn Township's treatment plant. However, Penn Township has refused to sell York Water or the Township customers more capacity in its treatment plant. As a result, the Township and York Water anticipate more treatment capacity in the Township will be needed for future and currently planned growth that the Township is experiencing and can reasonably expect. This growth will take place over a longer period of time into the future and treatment capacity will be added, as needed. If future expansion is needed, York Water will seek all approvals necessary for such expansion at that time.

TUS Data Request Set 1

Application of The York Water Company - Wastewater for approval of the right to begin to offer, render, furnish or supply wastewater service to the public in an additional portion of West Manheim Township, York County, Pennsylvania

Docket No. A-2025-3053794

A-14 The Application indicated that the requested territory includes an area of land of approximately 0.62 square miles, which consists of the entire Development and limited parcels (Additional Parcels) between the current boundary of York Water-WW's existing territory and the Development. However, most of the Additional Parcels are located south of the Development, and York Water-WW's existing territory is located northwest of the Development. Please provide responses to the following:

- a. Quantify the area of land for the Development, in acres;
- b. Quantify the area of land for the Additional Parcels, in acres;
- c. Quantify the number of potential customers in the Additional Parcels by customer class;
- d. Provide a copy of any requests for service from potential customers in the Additional Parcels; and
- e. Provide a map that separately identifies the Development and the Additional Parcels.

RESPONDENT:

Andrew Prosser
Director of Engineering & Construction
The York Water Company

RESPONSE:

- a. See **A-15 Attachment 1**.
- b. See **A-15 Attachment 1**.
- c. Less than 100 residential customers (currently approximately 60 based upon current use of existing lots in the proposed territory) and possible industrial/warehousing (2) customer connections (a plan for the Werner Tract).
- d. The two agreements York Water has in place at this time, are for 50 EDUs on the Werner Tract (see **A-14 Attachment 1** (Sewer Capacity Reservation Agreement))

and 100 EDUs under the Assignment Agreement with the Township (attached to the Application as Exhibit N).

York Water has not conducted a water survey in this area. The proposed service territory is a combination of the Joshua Hill development parcels, a request from the neighboring landowner (Werner Pump Station parcel),⁶ and the Agreement with the Township. See **A-14 Attachment 1** and Assignment Agreement (Exhibit N to the Application).

- e. See **A-15 Attachment 1**.

⁶ The capacity reservation agreement for 50 EDUs (167 gpd/EDU) is included in **A-14 Attachment 1**.

WASTEWATER CAPACITY RESERVATION AGREEMENT

THIS WASTEWATER CAPACITY RESERVATION AGREEMENT is entered into this 6th day of June, 2023, between **The York Water Company**, with an address of 130 East Market Street, York, Pennsylvania 17401 (“York Water”) and **Dale J. and Joyce E. Werner**, husband and wife, **Joan E. Werner**, and **Joan E. Werner, Executrix of the Estate of Clyde L. Werner** (collectively, Dale J. Werner, Joyce E. Werner, Joan E. Werner, and Joan E Werner as Executrix, shall be referred to hereinafter as, “Landowner”). York Water and Landowner may be collectively referred to hereinafter as the “Parties” and each individually as “Party”.

WHEREAS, the Landowner is the record owner of certain unimproved real property located in West Manheim Township, York County, Pennsylvania specifically identified as:

- (i) 3140 Baltimore Pike, West Manheim Township, UPI No.: 52000AE00730000000;
- (ii) 3055 Baltimore Pike, West Manheim Township, UPI No.: 52000AE0067A000000;
- and
- (iii) 3143 Baltimore Pike, West Manheim Township, UPI No.: 52000AE0072000000.

The Deeds for the three (3) real property parcels referenced above are attached hereto as **Exhibit A** and are incorporated herein by reference as if set forth herein. The three (3) parcels in (i)-(iii) above shall be collectively referred to hereinafter as, the “Land”.

WHEREAS, Landowner desires to secure sewage service capacity by York Water for the anticipated development of the Land within the reasonably foreseeable future; and

WHEREAS, York Water is willing to reserve sewer capacity for a term of years (Section II.B. below) in a future York Water pump station to be located on Parcel #UPI 52000AE00730000000 [3140 Baltimore Pike] and to reserve conveyance and treatment capacity in a future York Water sanitary sewer system anticipated to serve the adjacent residential community known as Joshua Hill.

NOW, THEREFORE, the Parties hereto, intending to be legally bound, agree as follows:

I. Definitions.

A. An “EDU” or “Equivalent Dwelling Unit” shall mean a single unit of sanitary sewer flow of 167 gallons per day and having the concentration and characteristics of typical residential or light commercial wastewater, being an equivalent dwelling unit, measured by an average flow of 167 gallons per day

B. “Access Rights” shall mean a designated amount of sewage capacity in York Water’s future pump station described above and the future York Water Sanitary Sewer System serving some portion of West Manheim Township (the “System”) to be located on/within the planned Joshua Hill residential development adjacent to the Land. Such Access Rights York Water is agreeing to reserve for Landowner, subject to the other provisions hereof. This Agreement, however, shall not grant any legal title or equitable interest in any specific current or future physical property or asset of York Water nor does it create any relationship other than that of a customer of the yet-to-be-constructed System.

II. Conditions.

A. In consideration of the terms and conditions set forth herein, York Water hereby grants to Landowner Access Rights for fifty (50) EDUs, which includes the right to connect and

discharge wastewater to York Water's proposed pump station and wastewater collection system connected thereto wastewater for collection, conveyance, treatment, and disposal by York Water.

B. The Access Rights, or any portion thereof, reserved for Landowner under this Agreement, shall terminate and expire if not used/consumed by Landowner within ten (10) years from the date the pump station is placed in service ("Initial Reservation"). The Access Rights (or any portion thereof still unconsumed) may be extended for an additional term of five (5) years, but only upon the mutual written consent of both York Water and Landowner ("Reservation Extension"). The ten (10) year Initial Reservation, together with, if applicable, the five (5) year Reservation Extension period, are referred to herein as the "Term."

C. The Access Rights reserved under this Agreement are granted to Landowner in partial consideration for Landowner granting to York Water a Perpetual and Temporary Easement on a portion of the Land for construction of the planned pump station (Parcel #UPI 52000AE007300). The Landowner recognizes and acknowledges that the Access Rights reserved under this Agreement are contingent upon York Water executing a final agreement with the adjacent property owners related to the System.

D. The Access Rights provided and reserved hereunder may not be sold nor transferred to any third party and shall never be transferrable to other properties, but shall run with the Land for the Term of this Agreement, so long as within ninety (90) days of any transfer of the Land (or portion thereof) the new Landowner executes an agreement with York Water containing the same terms and conditions as this Agreement. If the new Landowner fails to execute an agreement with York Water with the same terms and conditions as this Agreement within ninety (90) days of the transfer of Land (or portion(s) thereof), the Access Rights reserved under this Agreement shall automatically terminate.

E. Where Landowner or an authorized occupant of the Land constructs any improvements for which wastewater service is desired, Landowner is responsible for any and all wastewater facilities/infrastructure construction, connection, utilization, rental, and inspection charges or fees and the costs of any necessary collection and transmission facilities required on the Land necessary to accomplish connection to the then existing York Water System.

G. Landowner agrees to comply with and maintain compliance with applicable treatment regulations, specifications, and requirements established by York Water, the York Water tariff, and the Pennsylvania Department of Environmental Protection and Public Utility Commission regulations, as may be modified from time to time. Further, should York Water incur penalties or fines due to violations of such standards by Landowner during the Term, then Landowner shall indemnify and hold York Water harmless from any such cost and expenses, including, but not limited to, reasonable attorney's fees.

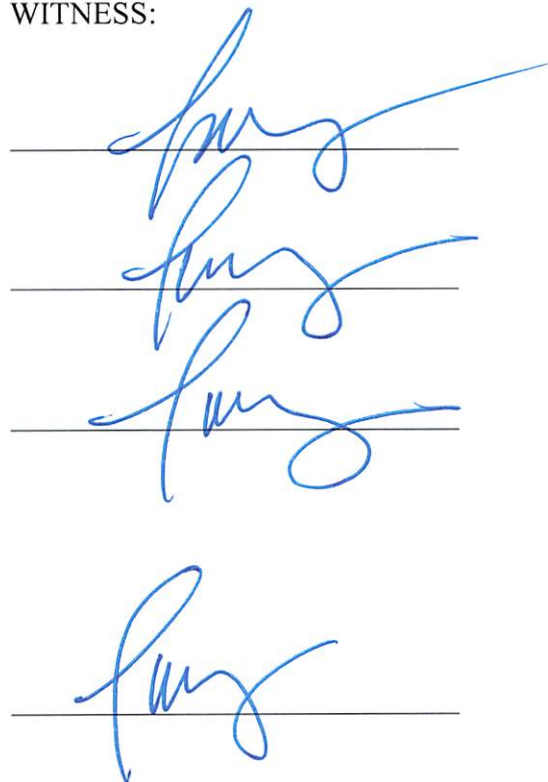
H. This Agreement shall inure to the benefit of and be binding upon the Parties, their heirs, successors, and assigns.

I. This Agreement represents the complete understanding between the Parties as to the reservation of wastewater capacity for the Land and replaces all previous and/or contemporaneous oral or written agreements entered into by them.

[Signatures on Following Page]

IN WITNESS WHEREOF, the Parties hereto have set their hands and seals the day and year first above written.

WITNESS:



ATTEST:


LANDOWNER


Dale J. Werner, Owner


Joyce E. Werner, Owner


Joan E. Werner, Owner

ESTATE OF CLYDE L. WERNER

By: 
Joan E. Werner, Executrix

THE YORK WATER COMPANY

By: _____
Marty Strine, Vice President Operations

9232

WARRANTY Deed, Two acknowledgments—Arranged for Photo-Recording
Henry Hall, Inc., Indiana, Pa.

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094 Y 0755

008965

This Indenture,

MADE THE ^{20th} day of January in the year
of our Lord one thousand nine hundred eighty-seven (1987)

BETWEEN RUTH N. WERNER, ^lwidow, of West Manheim Township, York
County, Pennsylvania, "GRANTOR", and hereinafter party of the first
part; AND

DALE J. WERNER of 3055 Baltimore Pike, Hanover, York County,
Pennsylvania, AND CLYDE L. WERNER, of 3055 Baltimore Pike, Hanover,
York County, Pennsylvania, AS TENANTS IN COMMON, "GRANTEES" and
hereinafter parties-----

of the second part, WITNESSETH, that the said part Y of the first part, for and in consider-
ation of the sum of One----- (\$1.00)-----00/100 Dollars,

lawful money of the United States of America unto-----her----- well and truly
paid by the said part les of the second part, at and before the sealing and delivery of these
presents, the receipt whercof is hereby acknowledged,-----has----- granted,
bargained, sold, aliened, enfeoffed, released, conveyed and confirmed, and by these presents does
grant, bargain, sell, alien, enfeoff, release, convey and confirm unto the said parties of the
second part, their heirs, and assigns, ALL the following described piece,
parcel or tract of land with the improvements thereon erected,
situate, lying and bieng in West Manheim Township, York County,
Pennsylvania, bounded and limited as follows, to wit:

BEGINNING for a corner at a stone at lands now or formerly of Luther
Lippy, and C.N. Myers; thence along said 'Myers' land South forty-three
(43) degrees West, thirty-one and seven tenths (31.7) perches to a
point in the Hanover-Baltimore State Highway; thence in and through
said Highway North forty-three and one-half (43½) degrees West, thirty-
two and three tenths (32.3) perches to a point in said Highway; thence
along lands now or formerly of Jerome J. Masemer, South forty-six and
one-half (46½) degrees West twenty-four and four tenths (24.4) perches
to a post; thence along the same South forty-four and three-fourths
(44-3/4) degrees West eighteen (18) perches to a post; thence along
lands now or formerly of C.N. Myers aforesaid South fifty-four (54)
degrees West ninety-four (94) perches to a poplar; thence south,
seventy-six and one-half (76½) degrees West, twenty and four tenths
(20.4) perches to a post; thence along lands now or formerly of the
Hanover Municipal Water Works North thirty (30) degrees West, twenty-
nine (29) perches to a stone; thence along lands now or formerly of
John W. Werner and Dora E. Werner North fifty-one (51) degrees East,
one hundred eighteen and six tenths (118.6) perches to a point in the
aforesaid Highway; thence in and through said Highway North sixty-eight
(68) degrees West thirty-three and two tenths (33.2) perches to a point
in said Highway; thence along lands now or formerly of Mertis Masemer,
North twenty-one and one-half (21½) degrees East ten and five tenths
(10.5) perches to an iron pin; thence along said lands now or
formerly of Masemer and lands now or formerly of C.W. Baumgardner
and alley North sixty-eight and one-half (68½) degrees West, thirteen
and nine-tenths (13.9) perches to an iron pin; thence along lands now

Exhibit
A

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094 Y 0756

or formerly of Melvin Feeser North twenty-seven (27) degrees East, ten and nine tenths (10.9) perches to a stake; thence along lands now or formerly of Wm. Shaffer and Roy Shoemaker North fifty-four (54) degrees East forty-four and six tenths (44.6) perches to an iron pin and thence along lands now or formerly of Luther Lippy aforesaid South forty-one (41) degrees East, ninety-nine and three tenths (99.3) perches to a stone, the place of BEGINNING. Containing 57 acres and thirty-eight (38) perches of land, more or less.

IT BEING the same tract of land which Noah J. Werner, widower, by his deed dated the 25th day of March, 1943, and recorded in the Office of the Recorder of Deeds in and for York County, Pennsylvania, in Record Book 29-U, page 94, granted and conveyed unto Jacob J. Werner and Ruth N. Werner, husband and wife; the said Jacob J. Werner having since died on the 9th day of March, 1965, title vested in his spouse, Ruth N. Werner, Grantor herein.

FOR REALTY TRANSFER STAMP PURPOSES THIS CONVEYANCE IS FROM PARENT TO CHILDREN.

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094 Y 0151

TOGETHER with all and singular, the said property, improvements, ways, waters, water courses, rights, liberties, privileges, hereditaments and appurtenances whatsoever thereunto belonging, or in anywise appertaining, and the reversions and remainders, rents, issues and profits thereof, and all the estate, right, title, interest, property, claim and demand whatsoever, of the said part Y of the first part, in law, equity or otherwise howsoever, of, in and to the same and every part thereof.

TO HAVE AND TO HOLD the said

hereditaments and premises hereby granted or mentioned, and intended so to be, with the appurtenances, unto the said parties of the second part, their heirs and assigns, to and for the only proper use and behoof of the said parties of the second part. their heirs and assigns forever.

AND the said grantor hereby covenants and agrees that she will warrant generally the property hereby conveyed.

IN WITNESS WHEREOF, the said party of the first part has set her hand and seal. Dated the day and year first above written.

Signed, sealed and Delivered in the Presence of
[Signature]
Ruth N. Werner
[SEAL]
[SEAL]
[SEAL]
[SEAL]

State of Pennsylvania
County of York } ss.
On this, the 20th day of January, 19 87, before me,
the undersigned officer, personally appeared Ruth N. Werner

known to me (or satisfactorily proven) to be the person whose name is subscribed to the within instrument, and acknowledged that she executed same for the purposes therein contained.

In witness whereof, I hereunto set my hand and official seal.

DEBORAH M. CHOFF, NOTARY PUBLIC
BOHNEAUVILLE BOROUGH, ADAMS COUNTY
MY COMMISSION EXPIRES AUG. 22, 1988
Member, Pennsylvania Association of Notaries

Deborah M. Choff
Notary Public
Title of Officer
[SEAL]

State of
County of } ss.
On this, the day of , 19 , before me,
the undersigned officer, personally appeared

known to me (or satisfactorily proven) to be the person whose name subscribed to the within instrument, and acknowledged that executed same for the purposes therein contained.

In witness whereof, I hereunto set my hand and official seal.

I do hereby certify that the precise residence and complete post office address of the within named grantee is 3143 Baltimore Pike, Hanover, Pa 17331

1987

[Signature]
Attorney for grantee

BOOK PAGE
094 Y 0758

U09232

PAID
MAR 5 3 05 PM '87
RECORDER OF DEEDS OFFICE
100 N. BRIDGE ST., PHILADELPHIA, PA.

DEED

WARRANTY

STONESIFER and KELLEY
209 Broadway
Hanover, Pennsylvania 17333

13.50

COMMONWEALTH OF PENNSYLVANIA

County of York

RECORDED on this 3th day of Mar

A. D. 1987, in the Recorder's office of the said County, in Deed Book 94-4

Vol. _____, Page 755

Given under my hand and the seal of the said office, the date above written.

John C. News, Recorder.

5156

281-BT—Warranty Deed, Short Form. Act of 1909. Single Sheet. 81C 241
Henry Hall, Inc., Indiana, Pa.

04814

This Deed,

MADE THE ^{27th} day of ^{April} and eighty (1980) in the year
of our Lord one thousand nine hundred

BETWEEN CLYDE WERNER of West Manheim Township, York County, Penn-
sylvania----- Grantor ,

and CLYDE WERNER and JOAN E. WERNER, his wife, of West Manheim
Township, York County, Pennsylvania, As Tenants by the Entireties,

----- Grantee s.
(transfer from husband to self and wife)
WITNESSETH, that in consideration of One (\$1.00)-----

-----Dollars,
in hand paid, the receipt whereof, is hereby acknowledged, the said grantor do es hereby grant and
convey to the said grantee s, ALL that the following described tract of land,
situate, lying, and being in West Manheim Township, York County, Penn-
sylvania, bounded and limited as follows, to wit:

BEGINNING for a point in the center of Pennsylvania State Route No. 94
at other lands of Pleasant Hill Volunteer Fire Company; thence along and
with the center line of Pennsylvania State Route No. 94 South seventy-two
(72) degrees sixteen (16) minutes twenty (20) seconds East, six hundred
sixty-two and forty-seven hundredths (662.47) feet to a point at lands
now or formerly of the Jacob J. Werner Estate; thence along said last
mentioned lands and lands of Hanover Water Company South forty-eight
(48) degrees forty-eight (48) minutes fifty-seven (57) seconds West, two
thousand three hundred fifty-nine and eight-hundredths (2,359.08) feet to
a concrete monument; thence continuing along lands of the Hanover Water
Company North seven (7) degrees fifty-four (54) minutes Eight (8) seconds
East, five hundred twenty-five and ninety-six hundredths (525.96) feet to
a concrete monument; thence continuing along lands of the same North
sixty-three (63) degrees eleven (11) minutes four (4) seconds East, fifty-
six and twenty-six hundredths (56.26) feet to an iron pipe; thence con-
tinuing along lands of the same North five (5) degrees fifty-three (53)
minutes forty-six (46) seconds West, one hundred eight and twenty-one
hundredths (108.21) feet to a steel pin at other lands of the within
Grantors; thence along and with said last mentioned lands North forty-
eight (48) degrees seven (7) minutes forty-six (46) seconds East, one
thousand one hundred eighty and twenty-five hundredths (1180.25) feet to
a steel pin; thence continuing alo-g lands of the same and through a
steel pin on line which said steel pin is one hudnred eight and nine-tenths
(108.9) feet from the center of Pennsylvania State Route No. 94 North
twenty-six (26) degrees eleven (11) minutes fourteen (14) seconds East,
three hundred forty-nine and thirty-seven hundredths (349.37) feet to the
point and place of BEGINNING. Containing 20.000 acres neat measure, as
per survey of J.H. Rife, Registered Engineer, bearing date of January
29, 1970.

IT BEING the same tract of land which Pleasant Hill Volunteer Fire
Company by deed dated February 21, 1970 and recorded in the Office of the
Recorder of Deeds in and for York County, Pennsylvania, in Deed Book
62Z, page 742, sold and conveyed unto Clyde Werner, Grantor hereto.

AND the said grantor hereby covenant s and agree s that they and each of them will warrant
generally the property hereby conveyed.

66. 81C 242

IN WITNESS WHEREOF, said grantor ha S hereunto set his hand and seal the day and year first above written.

Signed, Read and Delivered in the Presence of

Henry C. Stumpf

Clyde L. Werner
(Clyde Werner)



State of Pennsylvania

County of York

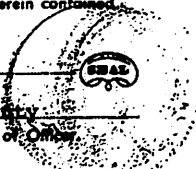
On this, the 27th day of April, 1980, before me,

the undersigned officer, personally appeared Clyde Werner

known to me (or satisfactorily proven) to be the person whose name is subscribed to the within instrument, and acknowledged that he executed same for the purposes therein contained. IN WITNESS WHEREOF, I hereunto set my hand and official seal.

Madeline G. Brown

Notary Public, Hanover, York County
My commission expires 12/3/82 Title of Office



do hereby certify that the precise residence and complete post office address of the within named grantee is Box 245, R.D. 2 Hanover, Pa.

005156

Deed

RECORDED - PAID

APR 7 2 05 PM '80

RECORDER OF DEEDS OFFICE YORK, YORK COUNTY, PA.

CLYDE WERNER

TO

CLYDE WERNER and
JOAN E. WERNER, his wife,
As Tenants by the
Entireties

WARRANTY

Henry C. Stumpf
Attorney for None

10.00

COMMONWEALTH OF PENNSYLVANIA

County of York

RECORDED on this 7th day of April

A. D. 1980, in the Recorder's office of the said County, in Deed Book 81-C

Vol. _____, page 241

Given under my hand and the seal of my said office, the date above written.

John C. Brown
Recorder.

REV-103 (2-78)
COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF REVENUE
BUREAU OF FIELD OPERATIONS

BOOK 810 PAGE 243
REALTY TRANSFER TAX
AFFIDAVIT OF VALUE

FOR RECORDER'S USE ONLY
BOOK NUMBER _____
PAGE NUMBER _____
DATE RECORDED _____

COMPLETE APPLICABLE SECTIONS IN FULL AND FILE IN DUPLICATE WITH RECORDER OF DEEDS WHEN (1) THE FULL CONSIDERATION IS NOT SET FORTH IN THE DEED, (2) THE TRANSFER IS WITHOUT CONSIDERATION OR A GIFT, OR (3) A TAX EXEMPTION IS CLAIMED. (REFER SECT. 8, RTT ACT OF DEC. 27, 1951, P.L. 1742 AS AMENDED)

SECTION I
(COMPLETE FOR ALL TRANSACTIONS)

Clyde Werner GRANTOR (S) West Manheim Township, York County, Pa. ADDRESS ZIP CODE

Clyde Werner and Joan E. Werner, his wife, West Manheim Township, York Co., Pa. GRANTEE (S) ADDRESS ZIP CODE

LOCATION OF LAND, TENEMENTS AND HEREDITAMENTS:

West Manheim Township, York County, Pa.
R.D. STREET & NUMBER OR OTHER DESCRIPTION NAME OF LOCAL GOVERNMENTAL UNIT COUNTY

FULL CONSIDERATION \$ _____ HIGHEST ASSESSED VALUE \$ _____

FAIR MARKET VALUE \$ _____ REALTY TRANSFER TAX PAID \$ _____

TAX EXEMPT TRANSACTIONS: IF TRANSFER IS PARTIALLY OR WHOLLY EXEMPT, SHOW AMOUNT EXEMPT, REASON (S) AND CITE PORTION OF LAW. transfer from husband to self and wife

IF THIS IS A TRANSFER FROM A STRAW, AGENT OR TRUST AGREEMENT, COMPLETE THE REVERSE SIDE.

SECTION II
(COMPLETE ONLY IF PROPERTY WAS SUBJECT TO LIEN OR MORTGAGE AT THE TIME OF TRANSFER)

EXISTING MORTGAGE: \$ _____ DISPOSITION _____

MORTGAGEE ADDRESS

EXISTING MORTGAGE: \$ _____ DISPOSITION _____

MORTGAGEE ADDRESS

EXISTING LIEN OR OBLIGATION: \$ _____ DISPOSITION _____

LIENHOLDER ADDRESS

EXISTING LIEN OR OBLIGATION: \$ _____ DISPOSITION _____

LIENHOLDER ADDRESS

SECTION III
(COMPLETE ONLY IF TRANSFER IS RESULT OF JUDICIAL SALE)

OFFICIAL CONDUCTING SALE _____ NAME ADDRESS TITLE

SUCCESSFUL BIDDER _____ NAME ADDRESS TITLE

| | JUDGEMENT PLUS PRIOR LIENS | BID PRICE | HIGHEST ASSESSED VALUE |
|--------------------------|----------------------------|-----------|------------------------|
| HIGHEST ASSESSED VALUE | | | \$ |
| JUDGEMENT PLUS INTEREST | \$ | | |
| BID PRICE | | \$ | |
| PRIOR RECORDED LIEN | \$ | \$ | |
| PRIOR RECORDED MORTGAGE | \$ | \$ | |
| PRIOR RECORDED MORTGAGE | \$ | \$ | |
| UNPAID REAL ESTATE TAXES | \$ | \$ | |
| WATER RENT DUE | \$ | \$ | |
| SEWAGE RENT DUE | \$ | \$ | |
| ATTORNEY FEES | \$ | \$ | |
| OTHER (COSTS, ETC.) | \$ | \$ | |
| TOTAL | \$ | \$ | \$ |

NOTE: CALCULATIONS MUST BE SHOWN IN ALL COLUMNS.

SWORN AND SUBSCRIBED BEFORE ME THIS
2nd DAY OF April 19 80
Madison S. Brown
Commission Expires 12/3/82
MY COMMISSION EXPIRES _____ 19 _____

ALL OF THE INFORMATION ENTERED ON BOTH SIDES OF THIS AFFIDAVIT IS TRUE, FULL AND COMPLETE TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF.

Harry E. Zboef
 GRANTEE AGENT FOR GRANTEE
 GRANTOR AGENT FOR GRANTOR
 STRAW TRUSTEE

291-BT - Warranty Deed, Short Form, Act of 1969, Single Sheet
Henry Hall, Inc., Indiana, Pa.

VOL 527 PAGE 624

5332
S. 140.00
L 140.00
F. 15.40
T. 295.40

This Deed,

MADE THE 31st day of May in the year of our Lord one thousand nine hundred and sixty-two (1962),

BETWEEN MAZIE S. K. MASEMER, Widow, of West Manheim Township, York County, Pennsylvania, Grantor,
and DALE J. WERNER and JOYCE E. WERNER, his wife, of the Borough of Hanover, York County, Pennsylvania, AS TENANTS BY THE ENTIRETIES, Grantees,

WITNESSETH, that in consideration of Fourteen Thousand (\$14,000.00) Dollars, in hand paid, the receipt whereof is hereby acknowledged, the said grantor does hereby grant and convey to the said grantees, ALL that the following described piece, parcel or tract of land, situate, lying and being in West Manheim Township, County of York, and State of Pennsylvania, bounded and limited as follows, to wit:

BEGINNING at an iron pin on the State Road formerly known as the Hanover and Maryland Line Turnpike; thence with said State Road south, forty-three (43) degrees east, twenty-one and four-tenths (21.4) perches to another iron pin on said State Road, and corner of lands now or formerly of Henrietta Miller Myers; thence with the same south, fifty-four and one-fourth (54.25) degrees west, twenty-four and four-tenths (24.4) perches to a stone and corner of lands now or formerly of Jacob J. Werner; thence with the same north, forty-three (43) degrees west, eighteen (18) perches to a corner; thence with the same north, forty-eight (48) degrees east, twenty-four and four-tenths (24.4) perches to an iron pin, the place of BEGINNING.

IT BEING the same tract of land which Edgar J. Masemer and Florence C. Masemer, his wife, by their deed dated June 20, 1924, and recorded in the Recorder of Deeds' Office of York County, Pennsylvania, in Deed Book 22-U, Page 399, sold and conveyed unto Jerome J. Masemer and Mazie S. K. Masemer, his wife. The said Jerome J. Masemer having since died, title in and to said premises vested in the said Mazie S. K. Masemer, his wife, Grantor herein, under and by virtue of the laws of the Commonwealth of Pennsylvania.

Date 6/1/62

School District of the Township of West Manheim, York County, Pennsylvania

By Authority of "REAL ESTATE TRANSFER TAX RESOLUTION"

Amount of Tax 140.00

Received Payment [Signature] Collector

Per M.D.

AND, the said grantor, do hereby covenant and agree to and with the said grantees, that she, the grantor, her heirs, executors and administrators, shall and will warrant generally and forever defend the herein above described premises, with the hereditaments and appurtenances, unto the said grantees, their heirs and assigns, against the said grantor, and against every other person lawfully claiming or who shall hereafter claim the same or any part thereof.



IN WITNESS WHEREOF, said grantor has hereunto set her hand and seal the day and year first above written.

Signed, Sealed and Delivered in the Presence of

Lois M. Whisler

Mazie S. K. Masemer
Mazie S. K. Masemer



State of Pennsylvania

County of York

On this, the 31st day of May, 19 62, before me,

the undersigned officer, personally appeared Mazie S. K. Masemer, Widow,



known to me (or satisfactorily proven) to be the person whose name is subscribed to the within instrument, and acknowledged that she executed same for the purposes therein contained.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

Lois M. Whisler

Notary Public, Hanover, York County

My Commission Expires March 29, 1966

Title of Officer.

I do hereby certify that the precise residence and complete post office address of the within named grantor is R.D.#2, (West Manheim Township), Hanover, Pennsylvania.

May 31, 19 62.

Jesse L. Pralls
Attorney for grantee

005352

5352

Deed

MAZIE S. K. MASEMER, Widow

TO

DALE J. WERNER and

JOYCE E. WERNER, his wife

WARRANTY

JUN 1 12 46 PM '62

6.35

COMMONWEALTH OF PENNSYLVANIA

County of York

RECORDED on this 1st day of June

A. D. 19 62, in the Recorder's office of the said County, in Deed Book

Vol. 52-V, Page 624

Given under my hand and the seal of the said office, the date above written.

Theodore T. Freed Recorder.

TUS Data Request Set 1

Application of The York Water Company - Wastewater for approval of the right to begin to offer, render, furnish or supply wastewater service to the public in an additional portion of West Manheim Township, York County, Pennsylvania

Docket No. A-2025-3053794

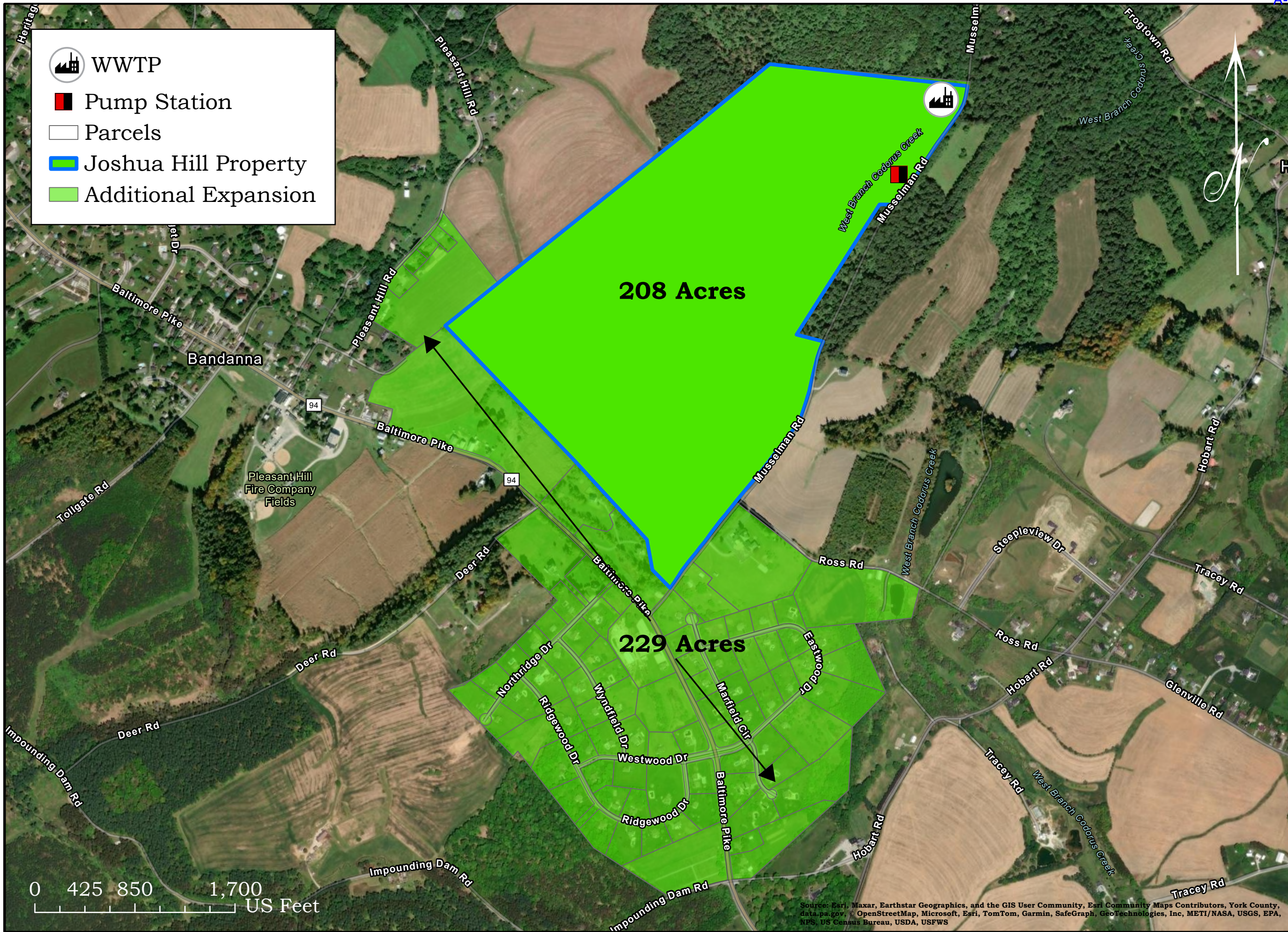
A-15 The Application’s Exhibit B included a copy of map (Requested Territory Map) entitled “Exhibit B-2: Proposed Territory Expansion,” dated February 12, 2024. The Application’s Exhibit C included a written description by bearing angles and distances of the requested service territory’s boundaries. However, the boundary line segment labels indicated in Exhibit C are not noted on the Requested Territory Map. Please provide a revised Requested Territory Map that includes the line segment labels noted in Exhibit C next to the associated line segments on the Requested Territory Map and quantify the proposed territory’s total area, in acres.

RESPONDENT:

Andrew Prosser
Director of Engineering & Construction
The York Water Company

RESPONSE:

Enhanced maps are included with the information requested, which is attached hereto as **A-15 Attachment 1**.



Title: Joshua Hill and Expansion Property Acreage

Scale: 1 IN = 750 FT

Date: May 21st, 2025

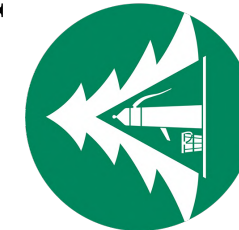
Drawn By: Jason Heitmann

Checked By: Alexandra Chiaruttini

The York Water Company

130 E. Market St.
York, Pa 17401

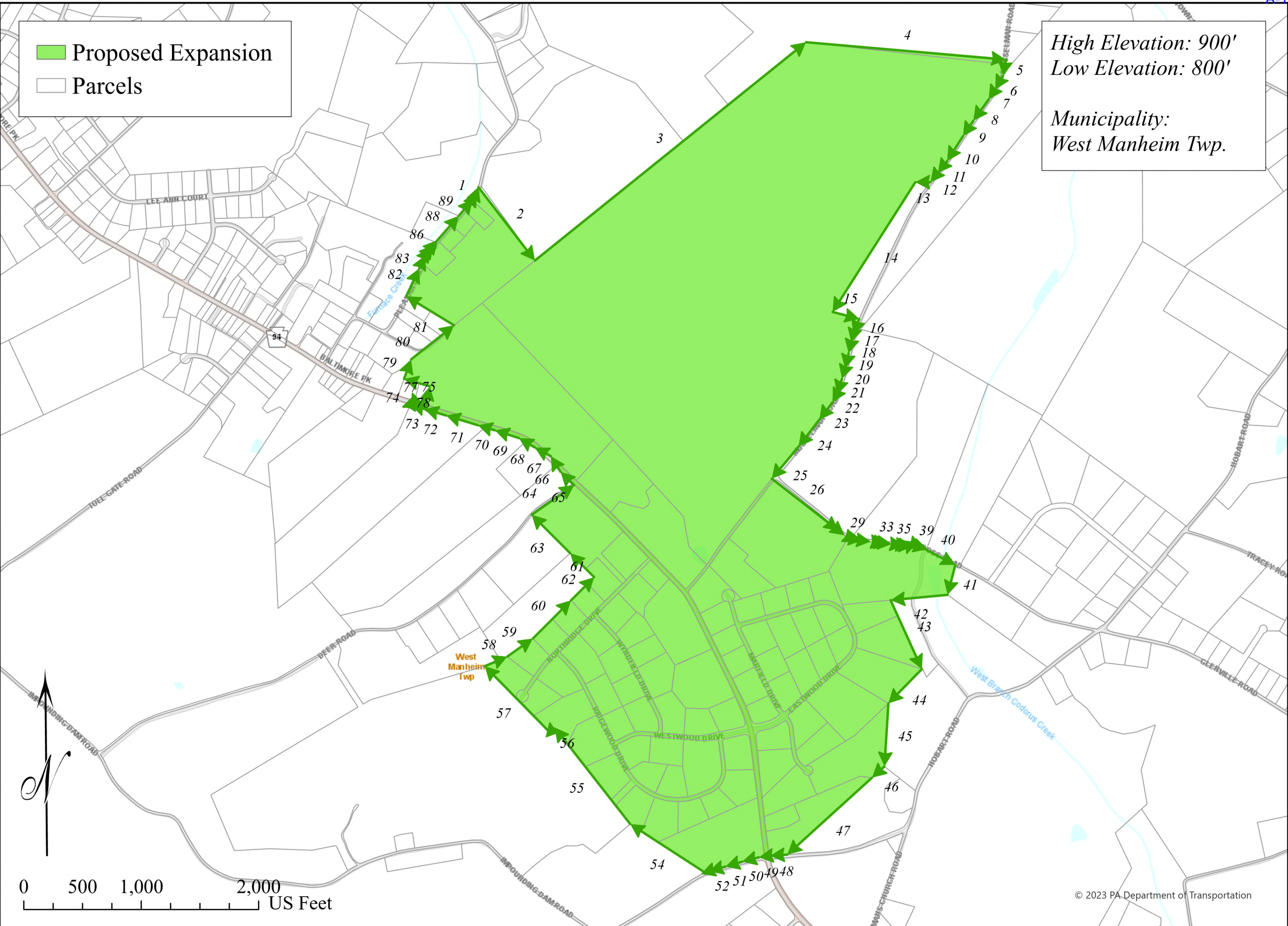
(717) 845-3601



 Proposed Expansion
 Parcels

High Elevation: 900'
Low Elevation: 800'

Municipality:
West Manheim Twp.



Title: Exhibit B-3a. Proposed Expansion Metes and Bounds

| | |
|---------------------------|-----------------------------------|
| Scale: 1 IN = 750 FT | Drawn By: Jason Heitmann |
| Date: February 13th, 2024 | Checked By: Alexandra Chiaruttini |

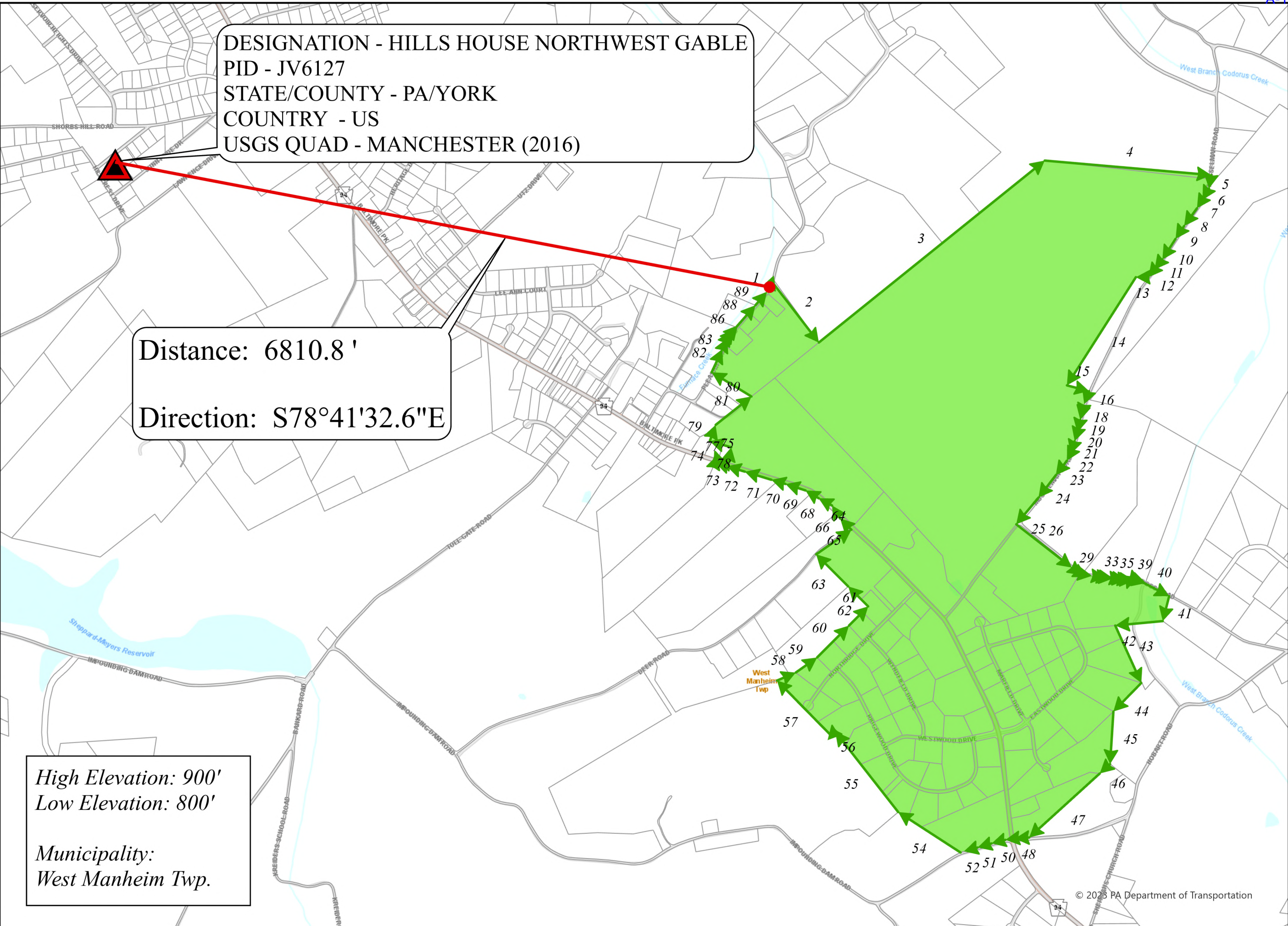
The York Water Company
 130 E. Market St.
 York, Pa 17401
 (717) 845-3601



DESIGNATION - HILLS HOUSE NORTHWEST GABLE
 PID - JV6127
 STATE/COUNTY - PA/YORK
 COUNTRY - US
 USGS QUAD - MANCHESTER (2016)

Distance: 6810.8 '
 Direction: S78°41'32.6"E

High Elevation: 900'
 Low Elevation: 800'
 Municipality:
 West Manheim Twp.



Title: Exhibit B-3b. Proposed Expansion Metes and Bounds w/ Benchmark

Scale: 1 IN = 900 FT

Date: February 13th, 2024

Drawn By: Jason Heitmann

Checked By: Alexandra Chiaruttini

The York Water Company

130 E. Market St.
 York, Pa 17401
 (717) 845-3601



TUS Data Request Set 1

Application of The York Water Company - Wastewater for approval of the right to begin to offer, render, furnish or supply wastewater service to the public in an additional portion of West Manheim Township, York County, Pennsylvania

Docket No. A-2025-3053794

A-16 Please clarify if West Manheim has a mandatory connection ordinance for wastewater service and, if so, summarize the ordinance's requirements or provide a copy of the subject ordinance.

RESPONDENT:

Alexandra Chiaruttini
CAO
The York Water Company

RESPONSE:

West Manheim Township has a mandatory connection ordinance, which is attached hereto as **A-16 Attachment 1**.

*Township of West Manheim, PA
Wednesday, July 31, 2024*

Chapter 207. Sewers and Sewage Disposal

Part 1. Sewer Connections

[Adopted 11-16-2004 by Ord. No. 11-2004]

Article I. Title; Terminology

§ 207-1. Short title.

This Part 1 shall be known as the "West Manheim Township Sewer Connection Ordinance."

§ 207-2. Definitions.

Unless the context specifically and clearly indicates otherwise, the meaning of the terms used in the Part 1 shall be as follows:

AUTHORITY

West Manheim Township Sewer Authority, a Pennsylvania municipality authority.

BUILDING

Any structure erected and intended for continuous or periodic habitation, occupancy or use by human beings or animals and from which structure sanitary sewer or industrial waste, or both, is or may be discharged.

BUILDING SEWER

The extension of the sewage drainage system from any building to the lateral of service connection of a sewer.

IMPROVED PROPERTY

Any property located within West Manheim Township and within the area served by the Township upon which there is erected a building.

INDUSTRIAL WASTES

Any solid, liquid or gaseous substance or form of energy rejected or escaping in the course of any industrial, manufacturing, trade or business process or in the course of the development, recovery or processing of natural resources, as distinct from sewage, excluding any groundwater, surface water or stormwater.

LATERAL

That part of the sewer system extending from a sewer to a point behind the curblineline or, if there shall be no curblineline, to a point behind the projected curblineline.

ON-LOT SYSTEM

Any privy vault, cesspool, sinkhole, septic tank, similar receptacle or other system intended to dispose of sewage on improved property which is located on such improved property.

OWNER

Any person vested with ownership, legal or equitable, sole or partial, of any improved property located within West Manheim Township.

PERSON

Any individual, partnership, company, association, society, trust, corporation or other group or entity, public or private.

PRINCIPAL BUILDING

The building or buildings which constitute the main or primary use of the property. In all instances, a residential dwelling shall constitute the principal dwelling, but for purposes of this chapter, there can be more than one principal building on an improved property, as long as any such building constitutes a primary use of the improved property.

SERVICE CONNECTION

That portion of, or place in, a sewer, in those cases where no lateral is provided, which is provided for connection of any building sewer.

SEWAGE

Normal water-carried household and toilet wastes from any improved property, excluding any groundwater, surface water or stormwater.

SEWER

Any pipe or conduit constituting a part of the sewer system used or usable for sewage collection purposes.

SEWER SYSTEM

All facilities, as of any particular time, for collecting, pumping, treating and disposing of sewage and industrial waste.

STREET

Includes any street, road, line, court, alley and public square.

TOWNSHIP

West Manheim Township, York County, Pennsylvania.

Article II. Use of Public Sewers Required

§ 207-3. Connection by improved properties.

The owner of any improved property adjoining or adjacent to the sewer system or whose principal building is within 150 feet of the sewer system shall connect such improved property or building with the sewer system, in such a manner as the Township may require within 60 days after notice to such owner from the Township to make such connection, for the purpose of discharge of all sewage and, to the extent permitted by the Township, industrial wastes from such improved property, subject to such limitations and restrictions as shall be established herein or otherwise shall be established by the Township from time to time. An extension of the time allowed to make connection may be granted upon written request of the owner to the Township or at the Township's discretion.

[1] *Editor's Note: Amended at time of adoption of Code (see Ch. 1, General Provisions, Art. I).*

§ 207-4. Discharges of sewage and industrial wastes into sewers.

All sewage and, to the extent permitted by the Township, industrial wastes from any improved property, after connection of such improved property with the sewer as required by § 207-3, shall be discharged

into the sewer, subject to such limitations and restrictions as shall be established herein or otherwise shall be established by the Township, from time to time.

§ 207-5. Unlawful discharges outside sewers.

- A. No person shall place or deposit or permit to be placed or deposited upon public or private property within the area served by the Township within the Township any sewage or industrial wastes in violation of this Part 1.
- B. No person shall discharge or permit to be discharged to any natural outlet within the area served by the Township within the Township any sewage or industrial wastes in violation of this Part 1 except where suitable treatment satisfactory to the Township has been provided.

§ 207-6. Stormwater, roof runoff and subsurface drainages.

No person shall discharge or cause to be discharged any stormwater, surface water, groundwater, roof runoff or subsurface drainage into any sewer.

§ 207-7. Use and abandonment of on-lot systems.

- A. No on-lot system shall be used and maintained at any time upon any improved property which has been connected to a sewer or which shall be required under § 207-3 to be connected to a sewer (except that with the approval of the Township such receptacle may continue to be used and maintained solely for the purpose of receiving the discharge or water other than sewage from a basement floor drain and/or other surface or subsurface drainage facility. Under appropriate circumstances, and with the written approval of the Township, existing septic tanks may continue to be used and maintained for the purpose of receiving the discharge of sewage from existing basement facilities where the sewer provided by the Township does not permit the discharge of sewage from such facility by gravity and as long as such septic tank is operable and has not malfunctioned).
- B. For all improved properties required to connect to the sewer (and except as permitted in Subsection A), every on-lot system in existence shall be abandoned and, at the discretion of the Township, shall be cleaned and filled under the observation of the Township; and any on-lot system not so abandoned and, if required by the Township, not so cleansed and filled shall constitute a nuisance, and such nuisance may be abated as provided by law, at the expense of such improved property.

§ 207-8. Prohibited connections.

No on-lot system at any time shall be connected to a sewer. No surface or subsurface drainage facility shall at any time be connected to a sewer. (Note relationship with options in § 207-7.)

§ 207-9. Notice to connect to sewer.

The notice by the Township to make a connection to a sewer, required by § 207-3, shall consist of a written or printed document requiring the connection and referring to this Part 1 and may be given at any time after a sewer is in place which can receive and convey sewage and, to the extent permitted by the Township, industrial wastes, for treatment and disposal from the particular improved property. Such notice shall be served upon the owner by the Township Board of Supervisors, either by personal service or by certified or registered mail, or by such other method as at the time may be provided by law.

Article III. Building Sewers and Connections

§ 207-10. Permit required.

No person shall uncover, connect with, make any opening into or use, alter or disturb in any manner any sewer or any part of the sewer system without first obtaining a sewer connection permit, in writing, from the Township.

§ 207-11. Application by owner.

Application for a permit required under § 207-10 shall be made by the owner of the improved property served or to be served, or certified plumber on behalf of the owner, within 60 days after receipt of the notice as set out in § 207-3. The application shall be submitted to the Township on a form designated by the Township. All applicable fees shall be paid by the owner prior to the issuance of the permit.

[1] *Editor's Note: Amended at time of adoption of Code (see Ch. 1, General Provisions, Art. I).*

§ 207-12. Conditions required prior to connection.

No person shall make or cause to be made a connection to any improved property with a sewer until such person has fulfilled each of the following conditions:

- A. Such person shall have notified the Township of the desire and intention to connect such improved property to a sewer.
- B. Such person shall have applied for and obtained a permit as required by § 207-10 of this Part 1 and shall have paid all required permit, inspection and/or other fees.
- C. Such person shall have given the Township at least 24 hours' notice of the time when such connection will be made so that the Township may observe and inspect the work of connection and accomplish any necessary testing in accordance with § 207-17.

§ 207-13. Separate connections required; exceptions.

Except as otherwise provided in this section, each improved property and building thereon shall be connected separately and independently with a sewer through a building sewer. (In the case of multiple uses in a building, each such use shall obtain and have its own sewer capacity.) Grouping of more than one improved property or buildings on a building sewer shall not be permitted, except under special circumstances and for good sanitary reasons or other good cause shown, but only after special permission of the Township, in writing, shall have been secured.

§ 207-14. Costs payable by owner; liability.

All costs and expenses of construction of a building sewer and all costs and expenses of connection of a building sewer to a sewer, including testing, shall be borne by the owner of the improved property to be connected. Any and all owners shall indemnify and save harmless the Township from all loss or damage that may be occasioned, directly or indirectly, as a result of construction of a building sewer or of connection of a building sewer to a sewer.

§ 207-15. Failure to connect; collection of costs.

If the owner of any improved property benefited, improved or accommodated by a sanitary sewer, after 60 days' notice from the Township, or such other time period authorized by the Township in accordance with § 207-3, shall fail or refuse to connect such improved property, as required, the Township or its agent may make such connection and the Township may collect from such owner all of the costs and expenses thereof by the filing of a municipal claim or lien, an action in assumpsit or other such legal proceeding as may be permitted by law.

[1] *Editor's Note: Amended at time of adoption of Code (see Ch. 1, General Provisions, Art. I).*

Article IV. Building Sewers and Connections

§ 207-16. Conditions for use of existing pipes.

Where an improved property, at the time connection to a sewer is required, is served by an on-lot system, the on-lot system may be broken between the building and the on-lot system at a location approved by the Township, and an attachment may be made, with proper fittings to continue use of the pipes serving the building as part of the building sewer, if approved in writing by the Township and not prohibited by other ordinance or law.

§ 207-17. Inspections and approval.

No building sewer shall be covered until it has been inspected and approved by the Township. Upon approval, the Township shall issue a written approval to the owner. If any part of a building sewer is covered before being inspected and approved, it shall be uncovered for inspection at the cost and expense of the owner of the improved property to be connected to the sewer.

§ 207-18. Construction and maintenance.

Every building sewer of any improved property shall be constructed and maintained in a sanitary, safe, and watertight operating condition at the cost and expense of the owner of such improved property.

§ 207-19. Guarding of excavations; restoration of streets and sidewalks.

- A. Every excavation for a building sewer shall be guarded adequately with barricades and lights to protect all persons from damage and injury.
- B. Streets, sidewalks, and other public property disturbed in the course of installation of a building sewer shall be restored, at the cost and expense of the owner of the improved property being connected, in a manner satisfactory to the Township.

§ 207-20. Failure to remedy unsatisfactory conditions.

If any person shall fail or refuse, upon receipt of a notice from the Township, in writing, to remedy any unsatisfactory condition with respect to a building sewer, within 45 days of receipt of such notice, the Township may refuse to permit or allow such person to discharge sewage and industrial waste into the sewer system until such unsatisfactory condition shall have been remedied to the satisfaction of the Township.

§ 207-21. Installation requirements.

The installation of a building sewer shall be the responsibility of the owner and shall be installed at the cost and expense of the owner. Building sewers shall be installed in accordance with rules and regulations of or approved by the Township regarding installation of building sewers, and any other applicable law, which rules and regulations are incorporated by reference as part of this Part 1 and made part hereof and may be reviewed at the Township building.

§ 207-22. Additional rules and regulations authorized.

The Township reserves the right to enact rules and regulations and the right to amend the rules and regulations regarding the installation of building sewers from time to time, and to adopt, from time to time, additional rules and regulations as it shall deem necessary and proper relating to connections with the sewer and the sewer system and their subsequent use, and all of which rules, regulations, conditions and obligations shall become and shall be construed as part of this Part 1.

Article V. Rights and Authority

§ 207-23. Delegation; assumption.

- A. The Township may delegate its rights and authority under this Part 1 to the Authority, except as otherwise indicated in this Part 1.
- B. The Township may assume its rights and authority under this Part 1 upon cause shown and upon 30 days' written notice to the Authority.

Article VI. Enforcement and Penalties

§ 207-24. Violations and penalties.

Any person who violates or permits a violation of this Part 1 shall, upon conviction in a summary proceeding brought before a Magisterial District Judge under the Pennsylvania Rules of Criminal Procedure, be guilty of a summary offense and shall be punishable by a fine of not more than \$1,000, plus costs of prosecution. In default of payment thereof, the defendant may be sentenced to imprisonment for a term not exceeding 90 days. Each day or portion thereof that such violation continues or is permitted to continue shall constitute a separate offense, and each section of this Part 1 that is violated shall also constitute a separate offense.

[1] *Editor's Note: Amended at time of adoption of Code (see Ch. 1, General Provisions, Art. I).*

§ 207-25. Enforcement and recovery of fines and costs.

Fines and costs imposed under provisions of this Part 1 shall be enforceable and recoverable in any manner at the time provided by applicable law.

§ 207-26. Other remedies.

The remedies set forth in this Part 1 are in addition to any and all other remedies that are or may be available to the Township at law or in equity.

Article VII. Purpose

§ 207-27. Declaration of purpose.

It is declared that the enactment of this Part 1 is necessary for the protection, benefit and preservation of the health, safety and welfare of the inhabitants of West Manheim Township.

TUS Data Request Set 1

Application of The York Water Company - Wastewater for approval of the right to begin to offer, render, furnish or supply wastewater service to the public in an additional portion of West Manheim Township, York County, Pennsylvania

Docket No. A-2025-3053794

A-17 Please indicate whether York Water-WW will require the installation of grinder pumps by customers in the requested service territory. If so, identify the parcels that will be required to install grinder pumps.

RESPONDENT:

Andrew Prosser
Director of Engineering & Construction
The York Water Company

RESPONSE:

At this time, York Water does not plan to require installation of grinder pumps in the requested service territory.

TUS Data Request Set 1

Application of The York Water Company - Wastewater for approval of the right to begin to offer, render, furnish or supply wastewater service to the public in an additional portion of West Manheim Township, York County, Pennsylvania

Docket No. A-2025-3053794

A-18 As the Application's Exhibit N, York Water-WW provided a copy of the Assignment and Assumption Agreement (Assignment Agreement) between West Manheim, Woodhaven Building and Development, Inc. and York Water-WW. However, the Assignment Agreement does not have an effective date and has not been signed by York Water-WW. The Assignment Agreement's Background indicates that the Developers agreed to accept up to 100 equivalent dwelling units (EDUs) equating to approximately 26,000 GPD from outside York Water-WW's existing service territory and the Development from properties in West Manheim with failing septic system. The Assignment Agreement appears to define an EDU as 260 GPD (26,000 gallons/day ÷ 100 EDU). Please provide responses to the following:

- a. Clarify the Assignment Agreement's meaning of an EDU in gallons per day;
- b. Provide a copy of any map or written correspondence from West Manheim to the Developers or York Water-WW that depicts or describes the specific area intended to replace failing on-lot septic systems with wastewater treatment service at the WWTP as intended in the 2005 Agreement between West Manheim and the Developers; and
- c. Provide an executed copy of the Assignment Agreement that has been signed by York Water-WW.

RESPONDENT:

Alexandra Chiaruttini
CAO
The York Water Company

RESPONSE:

- a. An EDU (Equivalent Dwelling Unit) is a unit of common measurement in sewage engineering and regulation. It represents the average daily sewage emanating from a single family residential unit/connection. The 100 EDUs in the Assignment Agreement refers to 100 (assumed) residential units connected to the wastewater collection and treatment system. To translate this number of residential customers for sewage *planning and design*, York Water will follow the EDU value assigned in the Assignment Agreement by the Township, which is 1 EDU equates to 260 gpd of

wastewater flow to the facilities. York Water was not a party to the original agreement that is being assigned to York Water, but this is how York Water understands that agreement and will apply it. The Company needs to construct facilities that can convey and treat 26,000 gpd from future Township connections.

In addition, the Company observes that the capacity agreement defines 1 EDU as 167 gpd (see **A-14 Attachment 1**). However, for planning and design purposes, a higher EDU value is used to accommodate peak flow. Actual usage is lower than what is designed for to ensure sufficiency of the facilities and equipment. The Company understands that is why the parties used 260 gpd per EDU in the prior agreement.

- b. Not all of the 100 EDUs are expected to come from the territory requested in the Company's Application. The Township cannot and has not yet to date, delineated each of the 100 EDUs, but the connections would come from both the requested territory and existing York Water territory.
- c. York Water will not execute the Assignment Agreement until and unless it obtains Commission approval to expand its wastewater service territory through this Application and closes on this transaction. At that time, the Assignment Agreement will be executed by York Water.

TUS Data Request Set 1

Application of The York Water Company - Wastewater for approval of the right to begin to offer, render, furnish or supply wastewater service to the public in an additional portion of West Manheim Township, York County, Pennsylvania

Docket No. A-2025-3053794

A-19 In Section 9 of the Application, Future Capacity, York Water-WW indicated that the proposed WWTP for the Development will be planned with an ultimate design capacity of 3,083 EDUs to be constructed in phases (WWTP Phases) as needed for future development and in case Penn Township either declines or is unable to continue to provide or sell more treatment capacity. Further, in Section 9, Footnote 10, York Water- WW averred that Penn Township has expressed no interest in selling any additional capacity to York Water-WW for existing West Manheim customers beyond the current contracted flow. Please provide responses to the following:

- a. Provide a summary of York Water-WW's WWTP Phases that includes, at a minimum, the design hydraulic and organic capacities, permitted hydraulic and organic capacities, and anticipated average and peak daily hydraulic and organic loadings by phase with the projected start of construction and in service dates by month and year;
- b. Provide a summary of York Water-WW's planned treatment method and major process components by WWTP Phase; and
- c. Provide the design details of York Water-WW's planned Werner Pump station along with anticipated capacity including the projected start of construction and in service dates by month and year.

RESPONDENT:

Andrew Prosser
Director of Engineering & Construction
The York Water Company

RESPONSE:

- a. The WWTP will now be constructed as one phase to serve the Joshua Hill community and the 100 EDUs secured by agreement for the Township's on-lot systems. The requested service territory consists of the Joshua Hill development lots, the adjacent parcel (where Werner Pump station will sit), and the area requested by the Township. The Township will determine which lots must connect and will administer its ordinance in accordance with its legal authority. No mains will be extended beyond the Joshua Hill community until the Township requests

extension. The Company anticipates that may be in Year 2 but is not certain at this time.

- b. Again, the WWTP will not be constructed in phases. The remainder of this response, please refer to answers at A-1 and A-2. See also the plans presented in **A-1 Attachment 1**.
- c. The Werner Pump Station is not required until Phase III⁷ of the development. Thus, the station will be timed to coincide with the construction and occupation of that Phase, as coordinated with the developer. The draft pump station design is included in **A-1 Attachment 1**. This design is subject to alteration by the permit engineer who will start work on the project upon receipt of the Certificate of Public Convenience. It will also be subject to PA DEP permitting review.

⁷ If the Township identifies its 100 EDUs by Phase II, the pump station will be brought online in Phase II. The development itself does not require the pump station until Phase III is built.

TUS Data Request Set 1

Application of The York Water Company - Wastewater for approval of the right to begin to offer, render, furnish or supply wastewater service to the public in an additional portion of West Manheim Township, York County, Pennsylvania

Docket No. A-2025-3053794

A-20 By Commission Order entered December 16, 2021, at Docket No. A-2021-3025720 (2021 WMT Order), the Commission approved of the rights of York Water-WW to acquire the wastewater system assets owned by West Manheim and to begin to offer, render, furnish and supply wastewater service to the public in a portion of West Manheim. As noted in the 2021 WMT Order's Section V. Penn Township Bulk Sewer Agreement, York Water-WW provided with the application an executed copy of a Bulk Sewer Agreement (Sewer Agreement), dated April 22, 2021, between York Water-WW and Penn Township for the conveyance and treatment of wastewater flows from West Manheim to the Penn Township WWTP. The Sewer Agreement identified the previous agreements and addenda whereby West Manheim had purchased wastewater treatment capacity totaling 550,940 gallons per day (GPD) in the Penn Township WWTP (Purchased Capacity) and acknowledged that York Water-WW would be assigned West Manheim's Purchased Capacity. Specifically, the Sewer Agreement stated that York Water-WW shall be permitted to discharge wastewater flows up to 883 gallons per minute or 1,200,000 GPD to Penn Township's wastewater facilities. Further, in Section III of the 2021 WMT Order, West Manheim's Chapter 94 Municipal Wasteload Management Annual Report for the 2020 calendar year indicated the West Manheim wastewater system conveyed 274,260 GPD for the approximately 2000 residential customers to Penn Township in 2020. Please provide responses to the following:

- a. Quantify the average daily amount of wastewater conveyed by York Water-WW's existing West Manheim certificated service territory to Penn Township; and
- b. Provide a copy of the most recent Chapter 94 Municipal Wasteload Management Annual Report for West Manheim submitted to DEP.

RESPONDENT:

Andrew Prosser
Director of Engineering & Construction
The York Water Company

RESPONSE:

- a. The data requested can be calculated using the average monthly flow information

provided in **A-20 Attachment 1**. However, the Company notes that Penn Township has refused to sell additional capacity in its system to York Water or West Manheim Township. Moreover, the Township's 537 Plan calls for a private sewage treatment facility to serve the Joshua Hill community area.

- b. The 2024 Chapter 94 report is attached as **A-20 Attachment 2**.

2023 2024

West Manheim Flows to Penn Township

| | 2023 Monthly Sum | 2023 Monthly Average | 2024 Monthly Sum | 2024 Monthly Average | |
|-----------|------------------|----------------------|------------------|----------------------|---------------------------------------|
| January | 10,476,900 | 337,965 | 12,781,600 | 412,310 | |
| February | 8,877,800 | 317,064 | 11,028,600 | 380,297 | |
| March | 10,109,700 | 326,119 | 13,055,600 | 421,148 | |
| April | 9,400,300 | 313,343 | | | flow meter failure and replacement |
| May | 10,029,200 | 323,523 | | | |
| June | 8,585,000 | 286,167 | 10,351,100 | 345,037 | |
| July | 9,660,400 | 311,626 | 10,166,100 | 327,939 | |
| August | 8,744,100 | 291,470 | 12,354,000 | 398,516 | |
| September | 8,628,800 | 287,627 | 9,948,900 | 343,066 | |
| October | 8,893,800 | 286,897 | 10,635,600 | 343,084 | |
| November | 8,740,400 | 291,347 | 10,253,000 | 341,767 | |
| December | 11,222,500 | 362,016 | 11,921,500 | 384,565 | |
| Annual | 113,368,900 | 311,264 | 112,496,000 | 369,773 | *excludes April & May data |

| | 2024 Monthly Sum | 2024 Monthly Average | |
|--|------------------|----------------------|--|
| | 12,781,600 | 412,310 | |
| | 11,028,600 | 380,297 | |
| | 13,055,600 | 421,148 | |
| | 11,249,600 | 369,773 | Estimated averages from other 10 months |
| | 11,249,600 | 369,773 | |
| | 10,351,100 | 345,037 | |
| | 10,166,100 | 327,939 | |
| | 12,354,000 | 398,516 | |
| | 9,948,900 | 343,066 | |
| | 10,635,600 | 343,084 | |
| | 10,253,000 | 341,767 | |
| | 11,921,500 | 384,565 | |

| | | | | | |
|--------|--|--|-------------|---------|-------------|
| Annual | | | 134,995,200 | 369,773 | * estimated |
|--------|--|--|-------------|---------|-------------|



CHAPTER 94 MUNICIPAL WASTELOAD MANAGEMENT ANNUAL REPORT

For Calendar Year: 2024

- Permittee is owner and/or operator of a POTW or other sewage treatment facility
 Permittee is owner and/or operator of a collection system tributary to a POTW not owned/operated by permittee

| GENERAL INFORMATION | | | |
|---|------------------------|-------------------|-----------------------|
| Permittee Name: | The York Water Company | Permit No.: | PA0037150 |
| Mailing Address: | 130 E Market St | Effective Date: | 7/1/2017 |
| City, State, Zip: | York PA 17401 | Expiration Date: | 6/30/2022 |
| Contact Person: | Matthew Scarpato | Renewal Due Date: | 1/1/2022 |
| Title: | VP - Operations | Municipality: | West Manheim Township |
| Phone: | 717-845-3601 | County: | York |
| Email: | matts@yorkwater.com | Consultant Name: | N/A |
| CHAPTER 94 REPORT COMPONENTS | | | |
| <p>1. Attach to this report a line graph depicting the monthly average flows (expressed in MGD) for each month for the past 5 years and projecting the flows for the next 5 years. The graph must also include a line depicting the hydraulic design capacity per the WQM permit. <u>(25 Pa. Code § 94.12(a)(1))</u></p> <p>Check the appropriate boxes:</p> <p><input type="checkbox"/> Line graph for flows attached (Attachment)</p> <p><input type="checkbox"/> DEP Chapter 94 Spreadsheet used (Attachment)</p> <p><input checked="" type="checkbox"/> Section 1 is not applicable (report is for a collection system).</p> | | | |
| <p>2. Attach to this report a line graph depicting the monthly average organic loads (express as lbs BOD5/day) for each month for the past 5 years and projecting the organic loads for the next 5 years. The graph must also include a line depicting the organic design capacity of the treatment plant per the WQM permit. <u>(25 Pa. Code § 94.12(a)(2))</u></p> <p>Check the appropriate boxes:</p> <p><input type="checkbox"/> Line graph for organic loads attached (Attachment)</p> <p><input type="checkbox"/> DEP Chapter 94 Spreadsheet used (Attachment)</p> <p><input checked="" type="checkbox"/> Section 2 is not applicable (report is for a collection system).</p> | | | |
| <p>3. If the DEP Chapter 94 Spreadsheet was not used to determine projections, discuss the basis for the hydraulic and organic projections. In all cases, include a description of the time needed to expand the plant to meet the load projections, if necessary, and data used to support the projections should be included in an appendix to this report. <u>(25 Pa. Code § 94.12(a)(3))</u></p> <p>n/a</p> | | | |

4. Attach a map showing all sewer extensions constructed within the past calendar year, sewer extensions approved or exempted in the past year in accordance with Act 537 and Chapter 71, but not yet constructed, and all known proposed projects which require public sewers but are in the preliminary planning stages. The map must be accompanied by a list summarizing each extension or project and the population to be served by the extension or project. If a sewer extension approval or proposed project includes schedules describing how the project will be completed over time, the listing should include that information and the effect this build-out-rate will have on populations served. (25 Pa. Code § 94.12(a)(4))

Check the appropriate boxes:

- Map showing sewer extensions constructed, approved/exempted but not yet constructed, and proposed projects attached (**Attachment A**)
- List summarizing each extension or project attached (**Attachment B**)
- Schedules describing how each project will be completed over time and effects attached (**Attachment B**)

Comments:

Connections and flow projections through 2029 are attached as Attachment B. Attachment B also provides the list of Developments current and proposed with associated EDUs. The Map illustrates the locations of these developments. Attachment B provides a summary of progress of these developments indicating the number of EDUs completed through 2024. The following developments continued to make connections in 2024: Belmont Ridge, Homestead, Lexington, Prinland, and High Pointe.

5. Discuss the permittee's program for sewer system monitoring, maintenance, repair and rehabilitation, including routine and special activities, personnel and equipment used, sampling frequency, quality assurance, data analyses, infiltration/inflow monitoring, and, where applicable, maintenance and control of combined sewer regulators during the past year. Attach a separate sheet if necessary. (25 Pa. Code § 94.12(a)(5))

See Attachment C

6. Discuss the condition of the sewer system including portions of the system where conveyance capacity is being exceeded or will be exceeded in the next 5 years and portions where rehabilitation or cleaning is needed or is underway to maintain the integrity of the system and prevent or eliminate bypassing, CSOs, SSOs, excessive infiltration and other system problems. Attach a separate sheet if necessary. (25 Pa. Code § 94.12(a)(6))

Check the appropriate boxes:

- System experienced capacity-related bypassing, SSOs or surcharging during the report year. On a separate sheet, list the date, location, and reason for each bypass, SSO or surcharge event.
- System did not experience capacity-related bypassing, SSOs or surcharging during the report year.

Comments:

7. Attach a discussion on the condition of sewage pumping (pump) stations. Include a comparison of the maximum pumping rate with present maximum flows and the projected 2-year maximum flows for each station. (25 Pa. Code § 94.12(a)(7))

Check the appropriate boxes:

- The collection system does not contain pump stations
- The collection system does contain pump stations (Number – 5)
- Discussion of condition of each pump station attached (**Attachment D**)

8. If the sewage collection system receives industrial wastes (i.e., non-sanitary wastes), attach a report with the information listed below. (25 Pa. Code § 94.12(a)(8))

- a. A copy of any ordinance or regulation governing industrial waste discharges to the sewer system or a copy of amendments adopted since the initial submission of the ordinance or regulation under Chapter 94, if it has not previously been submitted.
- b. A discussion of the permittee's or municipality's program for surveillance and monitoring of industrial waste discharges into the sewer system during the past year.
- c. A discussion of specific problems in the sewer system or at the plant, known or suspected to be caused by industrial waste discharges and a summary of the steps being taken to alleviate or eliminate the problems. The discussion shall include a list of industries known to be discharging wastes which create problems in the plant or in the sewer system and action taken to eliminate the problem or prevent its recurrence. The report may describe pollution prevention techniques in the summary of steps taken to alleviate current problems caused by industrial waste dischargers and in actions taken to eliminate or prevent potential or recurring problems caused by industrial waste dischargers.

Check the appropriate boxes:

- Industrial waste report as described in 8 a., b. and c. attached (**Attachment**)
- Industrial pretreatment report as required in an NPDES permit attached (**Attachment**)

9. Existing or Projected Overload.

Check the appropriate boxes:

- This report demonstrates an existing hydraulic overload condition.
- This report demonstrates a projected hydraulic overload condition.
- This report demonstrates an existing organic overload condition.
- This report demonstrates a projected organic overload condition.

If one or more boxes above have been checked, attach a Corrective Action Plan (CAP) to reduce or eliminate present or projected overloaded conditions under §§ 94.21 and/or 94.22 (relating to existing overload and projected overload). (25 Pa. Code § 94.12(a)(9))

- Corrective Action Plan attached (**Attachment**)

10. Where required by the NPDES permit, attach a Sewage Sludge Management inventory that demonstrates a mass balance of solids coming in and leaving the facility over the previous calendar year.

- Sewage Sludge Management Inventory attached (**Attachment**)

11. For facilities with CSOs and where required by the NPDES permit, attach an Annual CSO Report (including satellite combined sewer systems).

Annual CSO Report attached (**Attachment**)

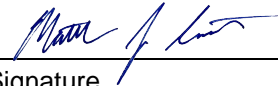
12. For POTWs, attach a calibration report documenting that flow measuring, indicating and recording equipment has been calibrated annually. (25 Pa. Code § 94.13(b))

Flow calibration report attached (**Attachment E**)

RESPONSIBLE OFFICIAL CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Matthew Scarpato



Name of Responsible Official

Signature

717-845-3601

3/18/2025

Telephone No.

Date

PREPARER CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared by me or otherwise under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. The information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

G. Eric Buracker



Name of Preparer

Signature

717-845-3601

3/18/2025

Telephone No.

Date



CHAPTER 94 MUNICIPAL WASTELOAD MANAGEMENT ANNUAL REPORT INSTRUCTIONS

This form has been developed to promote consistency in the development of annual municipal wasteload management reports ("Chapter 94 reports") required by 25 Pa. Code § 94.12. At least two copies of the complete report must be submitted to the appropriate regional office of the Department of Environmental Protection (DEP) by March 31.

Enter the calendar year that the report covers at the top of the form. Check the appropriate box to indicate whether the permittee is the owner/operator of a publicly owned treatment works (POTW) or other sewage treatment facility, or is the owner/operator of a sewage collection system that is tributary to a POTW owned/operated by a different entity.

General Information

Record the name of the permittee, the permittee's full mailing address, the permittee's contact person and this person's title, phone number and email address. Also record the permit number (NPDES or WQM), the effective date of permit coverage, the expiration date of permit coverage (if applicable), the date by which an application or NOI is due for reissuance (renewal) (if applicable), the municipality and county where the sewage treatment facility or collection system is located, and the name of the consultant (company name), if any, who assisted in the preparation of the form.

Chapter 94 Report Components

This section requests responses to 12 questions that, if applicable, must be addressed for a complete Chapter 94 report. Questions 1 – 9 and 12 come directly from the Chapter 94 regulations, i.e., 25 Pa. Code §§ 94.12(a)(1) – 94.12(a)(9) and 94.13(b). Some questions request that you check an appropriate box, attach the information requested, and specify the attachment number, while responses to other questions may be entered directly on the form.

For Questions 1 and 2, permittees may use DEP's Chapter 94 Spreadsheet to satisfy 25 Pa. Code §§ 94.12(a)(1) and 94.12(a)(2), respectively. DEP encourages use of the Chapter 94 Spreadsheet to provide consistency in the format and calculations associated with hydraulic and organic load evaluations (see www.depweb.state.pa.us/chapter94). If the Chapter 94 Spreadsheet was used, check the appropriate box(es) and attach printouts of the data and graphs to the Chapter 94 report. If this report is being used for a collection system only, these graphs are not needed.

For Question 6, if the permittee checks the box that there were capacity-related bypasses or SSOs during the report year, in general the box for existing hydraulic overload in Question 9 should be checked. If the permittee checks the box in Question 6 because surcharging occurred during the report year, in general the box for projected hydraulic overload in Question 9 should be checked.

For Question 8, if the permittee has an EPA-approved pretreatment program, attachment of an annual pretreatment report as required in an NPDES permit will satisfy the requirement for an industrial waste report.

For Question 10, if a permit requires a "Sewage Sludge Management" inventory, check the appropriate box if the inventory is attached to the Chapter 94 report.

For Question 11, if an NPDES permit (individual permit or, for satellite collection systems, PAG-06 General NPDES permit coverage) requires an Annual CSO (Status) report, attach the CSO report to the Chapter 94 report and check the appropriate box.

Certification

In accordance with 25 Pa. Code § 94.12(a), both the individual who prepared the report and (a responsible official of) the permittee must sign the report. The term "responsible official" for a municipality is a principal executive officer or ranking elected official.

Questions on the completion of Chapter 94 reports may be directed to DEP's Bureau of Point and Non-Point Source Management at (717) 787-8184 or to the appropriate DEP regional office (contact information available by visiting DEP's website, www.depweb.state.pa.us, and selecting Regional Resources).

West Manheim Township Chapter 94 Annual Wasteload Management Report 2024
Attachment B Project Tributary Wastewater Flows to Penn Twp Treatment Plant
1 EDU = 227 gpd Capacity at Penn Township: 550,940 gpd

| Map ID | | CURRENT AND FUTURE CONNECTIONS | | | | | | REMAINING TOTALS | |
|--------|--|--------------------------------|---------|---------|---------|---------|---------|------------------|---------|
| | | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | | 2029 |
| 1 | HIGH POINTE | | 46 | 21 | 6 | 0 | 0 | 0 | 0 |
| 2 | HOMESTEAD ACRES | | 57 | 50 | 17 | 0 | 0 | 0 | 0 |
| 3 | PRINLAND HEIGHTS | | 26 | 20 | 20 | 17 | 2 | 2 | 0 |
| 4 | BELMONT RIDGE | | 7 | 60 | 60 | 60 | 56 | 15 | 0 |
| | FOX MEADOWS | | 0 | 7 | 0 | 0 | 0 | 0 | 0 |
| | OAKWOOD HILLS | | 0 | 25 | 44 | 0 | 0 | 0 | 0 |
| | OTHER MISCELLANEOUS CONNECTIONS | | 3 | 3 | 3 | 3 | 3 | 3 | 0 |
| | <i>CONNECTION SUBTOTAL EDU'S</i> | | 139 | 186 | 150 | 80 | 61 | 20 | 0 |
| | TOWNSHIP CONNECTIONS | 2287 | 2426 | 2612 | 2762 | 2842 | 2903 | 2923 | 2923 |
| | CONNECTIONS SUBTOTAL (GPD) BASED ON EDU DEFINITION | 348,710 | 31,553 | 42,222 | 34,050 | 18,160 | 13,847 | 4,540 | 0 |
| | CUMULATIVE TOTAL (GPD) | | 380,263 | 422,485 | 456,535 | 474,695 | 488,542 | 493,082 | 493,082 |
| | REMAINING CAPACITY (GPD) ACTUAL | 891 | 202,230 | 170,677 | 128,455 | 94,405 | 76,245 | 62,398 | 62,398 |
| | AVAILABLE EDU'S BASED ON EDU DEFINITION | 891 | 752 | 566 | 416 | 336 | 275 | 255 | 255 |
| | PLANNING FLOW BASED ON 5 YEAR AVERAGE FLOW PER EDU | | | | | | | | |
| | YEAR | | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | |
| | FLOW (GPD) | | 278,850 | 274,260 | 317,470 | 315,600 | 310,420 | 382,984 | |
| | TOTAL CONNECTIONS | | 1,825 | 1,987 | 2,078 | 2,138 | 2,287 | 2,426 | |
| | FLOW PER CONNECTION | | 153 | 138 | 153 | 148 | 136 | 158 | |
| | 5 YEAR AVERAGE FLOW PER CONNECTION (GPD) | | 177 | | | | | | |

2024 Chapter 94 Report - West Manheim Township

Sanitary Sewer System Maintenance

The York Water Company replaced approximately 285' of 8" PVC sewer main.

Cleaning & Televised Inspection:

The YWC cleaned and televised 1,458 linear feet of 8" PVC during 2024. The televising provides accurate information on the locations of laterals and to determine the condition of the system. This new data, and available as-built data is included in the GIS mapping maintained for this system.

System Growth and Future Connections:

The system continues to experience growth of residential connections, with 139 connections completed in 2024 and a total number of connections to 2426. The WMT system is tributary to the Penn Township Wastewater Treatment Plant NPDES #PA0037150, and currently has a purchased capacity of 550,940 gpd the facility. The active and proposed developments, and connection tally, is provided in attachment B. A system map, Attachment A, illustrates the locations of the developments and the collections system assets.

Pump Stations:

The WMT system added a new lift station to now bring the total to 5 pump stations: (2) wet/dry well type, and (2) S/L suction lift type systems and (1) submersible system.

DGM lift station had two new rotating assemblies and impellers installed in the exiting volutes to optimize performance of the equipment. New Siemens Mag Meter installed at DGM, replaced obsolete and failing meter in service.

Each station is equipped with a generator and transfer switch to enable operation when commercial power is unavailable. Weekly station maintenance and inspection includes generator exercise, pump and alarm testing, and float and pump cleaning as needed. All stations are equipped with an autodialer that alerts the operators to alarm condition.

A summary of pumping station operational data demonstrates adequate capacity is available at each pumping station. The YWC is currently collecting adequate field data to perform a hydraulic loading analysis for key interceptors within the WMT system.

Projections based on 227 GPD/EDU (ave.) and DGM p.f.*(227 GPD/EDU) (max.)

ATTACHMENT D

| DGM PUMP STATION | | | |
|---------------------------------------|------------------------|--------------------|---------------------------|
| 2024 Pumping Data: | Hours of Operation/Day | Gallons Pumped/Day | Actual Pump Rating (gpm)* |
| Average | 10.4 | 383,136 | 614 |
| Maximum | 13.7 | 504,708 | |
| Projected 2 Yr Maximum (10% increase) | 14.1 | 555,179 | |
| % of Maximum | | 63% | |
| * Based on Max Measured GPM Flow | | | |

| SOUTH POINTE PUMP STATION | | | |
|---------------------------------------|------------------------|--------------------|---------------------------|
| 2024 Pumping Data: | Hours of Operation/Day | Gallons Pumped/Day | Actual Pump Rating (gpm)* |
| Average | 5.49 | 92,561 | 281 |
| Maximum ** | 6.23 | 105,038 | |
| Projected 2 Yr Maximum (10% increase) | | 115,542 | |
| % of Maximum | | 29% | |
| * Based upon 2012 field rating. | | | |

| BECK MILL ROAD PUMP STATION | | | |
|---------------------------------------|------------------------|--------------------|---------------------------|
| 2024 Pumping Data: | Hours of Operation/Day | Gallons Pumped/Day | Actual Pump Rating (gpm)* |
| Average | 5.46 | 92,056 | 281 |
| Maximum ** | 6.41 | 108,073 | |
| Projected 2 Yr Maximum (10% increase) | | 118,880 | |
| % of Maximum | | 29% | |
| * Based upon 2014 field rating. | | | |

| MARTZ DR. (AREA 3) PUMP STA. | | | |
|---------------------------------------|------------------------|--------------------|---------------------------|
| 2024 Pumping Data: | Hours of Operation/Day | Gallons Pumped/Day | Actual Pump Rating (gpm)* |
| Average | 2.7 | 45,522 | 281 |
| Maximum ** | 4.97 | 83,794 | |
| Projected 2 Yr Maximum (10% increase) | | 92,174 | |
| % of Maximum | | 23% | |
| * Based upon 2014 field rating. | | | |

| PRINLAND HEIGHTS PUMP STATION | | | |
|---------------------------------------|------------------------|--------------------|---------------------------|
| 2023 Pumping Data: | Hours of Operation/Day | Gallons Pumped/Day | Actual Pump Rating (gpm)* |
| Average | 0.09 | 486 | 90 |
| Maximum ** | 0.13 | 702 | |
| Projected 2 Yr Maximum (10% increase) | | 772 | |
| % of Maximum | | 1% | |
| * Based upon pump curve | | | |

VERIFICATION

I, Alexandra Chiaruttini, Chief Administrative Officer of The York Water Company, hereby state that the facts above set forth are true and correct to the best of my knowledge, information and belief and that I expect to be able to prove the same at a hearing held in this matter. I understand that the statements herein are made subject to the penalties of 18 Pa. C.S. § 4904 (relating to unsworn falsification to authorities).

Date: May 23, 2025

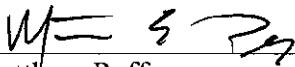


Alexandra Chiaruttini

VERIFICATION

I, Matthew Poff, Chief Financial Officer of The York Water Company, hereby state that the facts above set forth are true and correct to the best of my knowledge, information and belief and that I expect to be able to prove the same at a hearing held in this matter. I understand that the statements herein are made subject to the penalties of 18 Pa. C.S. § 4904 (relating to unsworn falsification to authorities).

Date: May 23, 2025



Matthew Poff

VERIFICATION

I, Andrew Prosser, Director of Engineering & Construction of The York Water Company, hereby state that the facts above set forth are true and correct to the best of my knowledge, information and belief and that I expect to be able to prove the same at a hearing held in this matter. I understand that the statements herein are made subject to the penalties of 18 Pa. C.S. § 4904 (relating to unsworn falsification to authorities).

Date: May 23, 2025



Andrew Prosser