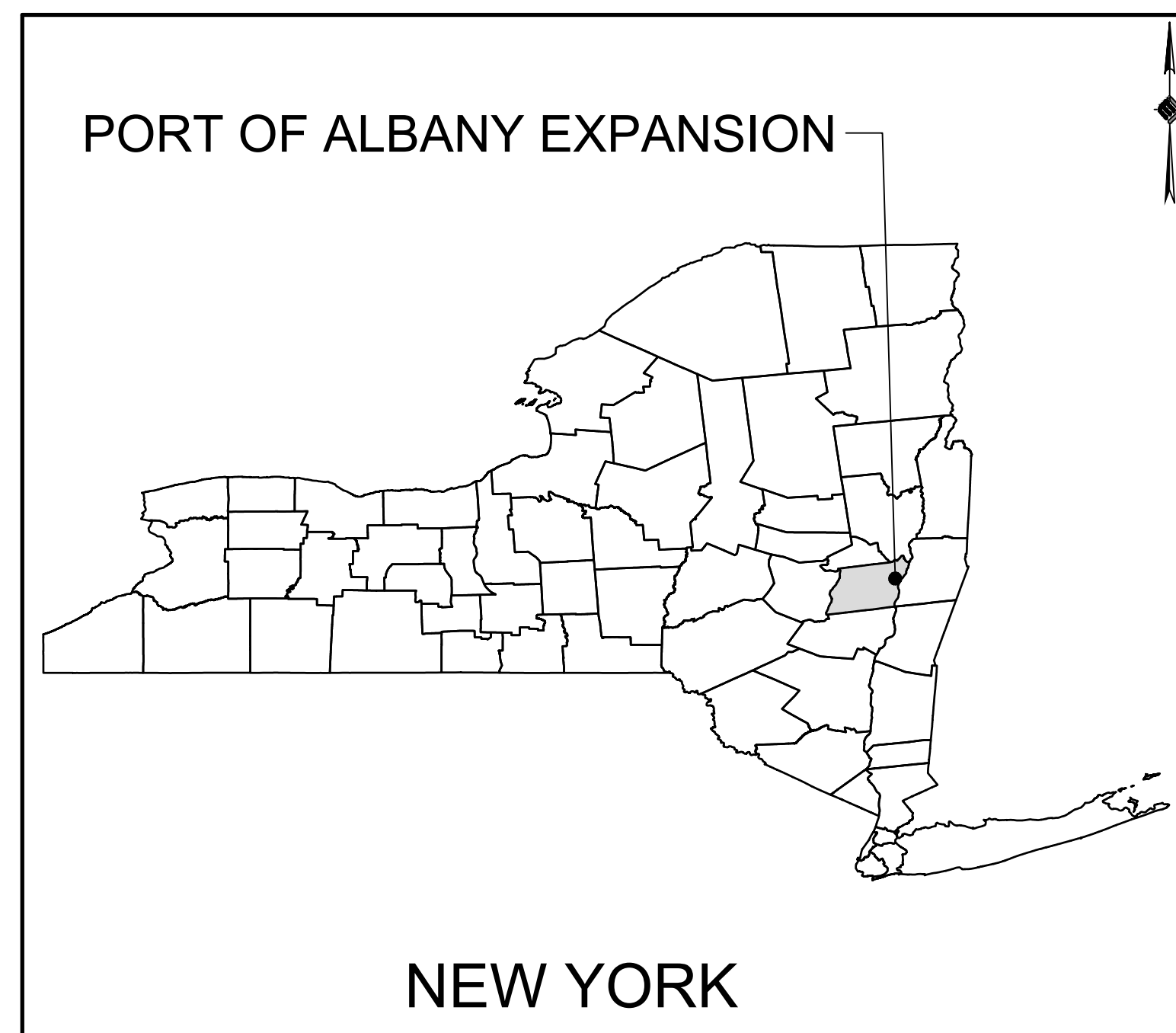


ALBANY PORT DISTRICT COMMISSION

PORT OF ALBANY EXPANSION SITE



LOCATION MAP

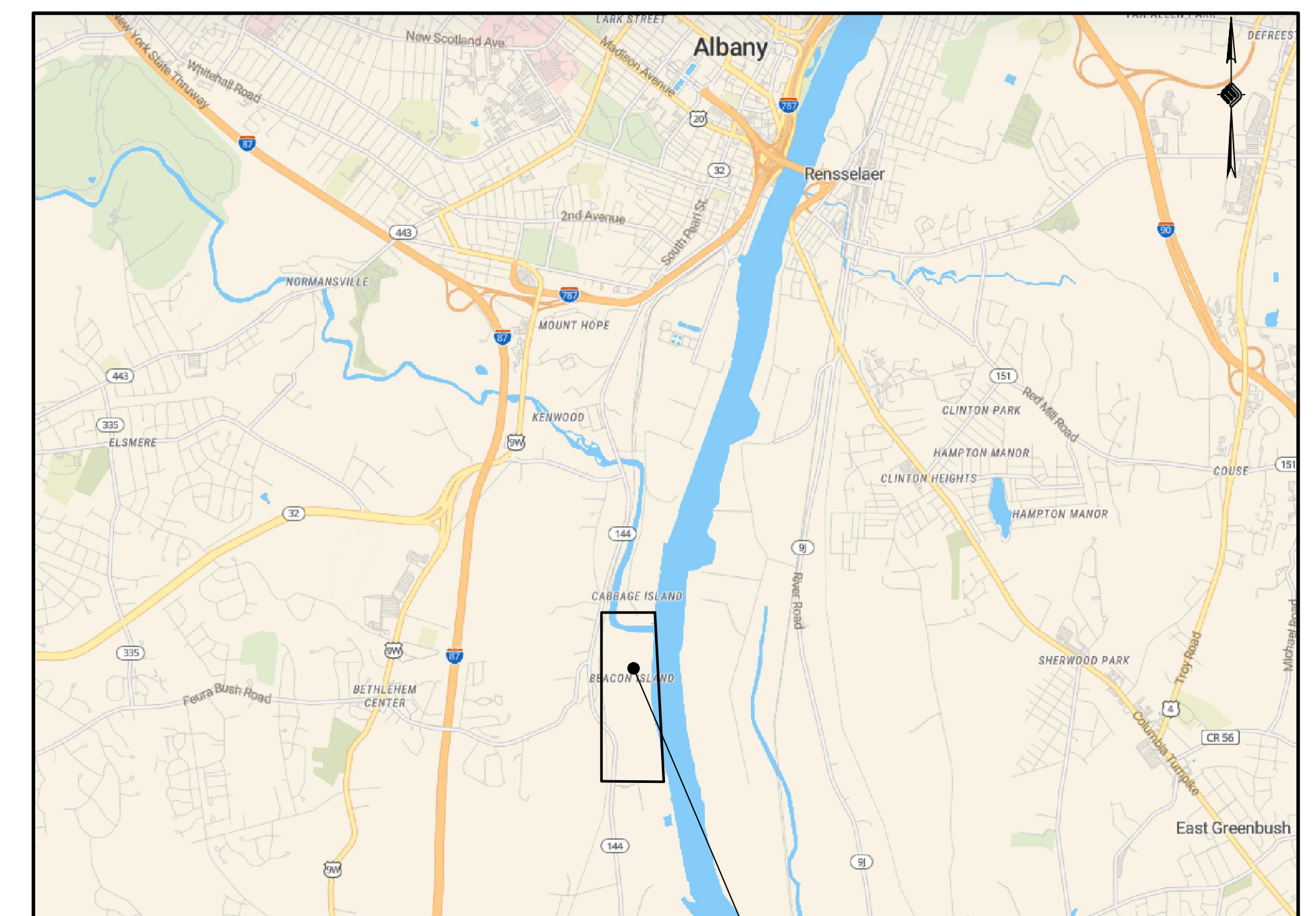
FINAL DESIGN PLANS

JANUARY 2022

TOWN OF BETHLEHEM

ALBANY COUNTY

NEW YORK



VICINITY MAP

PREPARED FOR:



ALBANY PORT DISTRICT COMMISSION
 106 SMITH BOULEVARD
 ALBANY, NEW YORK
 (518) 463-8763
 WWW.ALBANY.GOV

PREPARED BY:



MCFARLAND JOHNSON PROJECT # 18641.00

| | | |
|---------|-----------------|-------------------|
| SEALED | ADAM J. FROSINO | REVIEW SET |
| PE_NO | 088870 | |
| PE_DATE | JANUARY 2022 | |

IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.



McFarland Johnson

60 RAILROAD PLACE
SUITE 402
SARATOGA SPRINGS, NEW YORK 12866
P:518-580-9380 F:518-580-9383
SaratogaROM@mjinc.com

PROJECT MILESTONE

FINAL DESIGN PLANS

| NO. | DATE | DESCRIPTION |
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CLIENT:
ALBANY PORT DISTRICT COMMISSION

ALBANY, NEW YORK

PROJECT:
PORT OF ALBANY EXPANSION SITE

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| DRAWN | JES |
| DESIGNED | NSO |
| CHECKED | AJF |
| SCALE | 1"=40' |
| DATE | JANUARY 2022 |
| PROJECT | 18641.00 |

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NOT FOR
CONSTRUCTION**

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DRAWING TITLE

GENERAL NOTES

DRAWING NUMBER

GN-01

GENERAL NOTES:

1. THE UNDERGROUND STRUCTURES AND UTILITIES SHOWN ON THESE PLANS HAVE BEEN PLOTTED FROM A SURVEY PREPARED BY MASER CONSULTING P.A. 18 COMPUTER DRIVE EAST SUITE 203, ALBANY, NY 12205, DATED JULY 10, 2018 AND AVAILABLE SURVEYS AND RECORD MAPS BY OTHERS. MCFARLAND JOHNSON DOES NOT CERTIFY TO THE ACCURACY OF THEIR LOCATION AND/OR COMPLETENESS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION AND EXTENT OF ALL UNDERGROUND STRUCTURES AND UTILITIES PRIOR TO ANY DIGGING OR CONSTRUCTION ACTIVITIES IN THEIR VICINITY. THE CONTRACTOR SHALL HAVE ALL EXISTING UTILITIES FIELD STAKED BEFORE STARTING WORK BY CALLING 1-800-962-7962.
2. THE CONTRACTOR SHALL PERFORM ALL WORK IN COMPLIANCE WITH TITLE 29 OF FEDERAL REGULATIONS, PART 1926, SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION (OSHA).
3. HIGHWAY DRAINAGE ALONG ALL ROADS AND PRIVATE DRIVES SHALL BE KEPT CLEAN OF MUD, DEBRIS ETC. AT ALL TIMES. ALL CATCH BASINS AND STORM SEWER MANHOLES SHALL BE CLEANED PRIOR TO ACCEPTANCE BY THE TOWN.
4. THE CONTRACTOR SHALL CONSULT THE DESIGN ENGINEER BEFORE DEVIATING FROM THESE PLANS.
5. IN ALL TRENCH EXCAVATIONS, CONTRACTOR MUST LAY THE TRENCH SIDE SLOPES BACK TO A SAFE SLOPE. USE A TRENCH SHIELD OR PROVIDE SHEETING AND BRACING. THE MEANS AND METHODS SHALL BE CERTIFIED BY A PROFESSIONAL ENGINEER.
6. EXCAVATED WASTE MATERIAL REMOVED FROM THE SITE SHALL BE PLACED AT A LOCATION ACCEPTABLE TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION.
7. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO MAINTAIN A MINIMUM OF 2' OF COVER OVER ALL EXISTING AND NEW STORM SEWER PIPES AND 4' OF COVER OVER ALL SANITARY PIPES DURING CONSTRUCTION.
8. ALL EXISTING SURFACE APPURTENANCES (I.E. WATER VALVES, CATCH BASIN FRAMES AND GRATES, MANHOLE COVERS) WITHIN THE PROJECT LIMITS SHALL BE ADJUSTED TO FINISHED GRADE. (NO SEPARATE PAYMENT).
9. AREAS DISTURBED OR DAMAGED AS PART OF THIS PROJECT'S CONSTRUCTION THAT ARE OUTSIDE OF THE PRIMARY WORK AREA SHALL BE RESTORED, AT THE CONTRACTORS EXPENSE, TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE.
10. UNLESS COVERED BY THE CONTRACT SPECIFICATIONS OR AS NOTED ON THE PLANS, ALL WORK SHALL CONFORM TO THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS DATED JANUARY 8, 2015 AND ANY SUBSEQUENT REVISIONS.
11. THE CONTRACTOR SHALL BE RESPONSIBLE TO SECURE ALL PERMITS AND PROVIDE ALL BONDS REQUIRED FOR THIS WORK, INCLUDING BUT NOT LIMITED TO UTILITY CONNECTIONS, BUILDING AND SITE CONSTRUCTION.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODE AND/OR UTILITY SERVICE COMPANIES. THIS SHALL BE COMPLETED PRIOR TO ANNOUNCED BUILDING POSSESSION AND THE FINAL CONNECTION OF SERVICES.
13. MAINTENANCE AND PROTECTION OF TRAFFIC ALONG WITH SECURING THE WORK AREA SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
14. THE CONTRACTOR SHALL LOCATE, MAKE, SAFEGUARD AND PRESERVE ALL SURVEY CONTROL MONUMENTS AND ROW MONUMENTS IN THE AREAS OF CONSTRUCTION.
15. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND SAFETY PROCEDURES. THE OWNER AND/OR ARCHITECT/ENGINEER SHALL NOT BE RESPONSIBLE FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUB CONTRACTOR OR THEIR AGENTS, EMPLOYEES OR ANY OTHER PERSON PERFORMING ANY OF THE WORK.
16. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL OF THE DRAWINGS AND SPECIFICATION ASSOCIATED WITH THIS PROJECT WORK SCOPE PRIOR TO THE INITIATION OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DOCUMENTS RELATIVE TO THE SPECIFICATION OR APPLICABLE CODES, IT IS THE CONTRACTORS RESPONSIBILITY TO NOTIFY THE OWNERS REP. IN WRITING PRIOR TO THE START OF CONSTRUCTION. FAILURE BY THE CONTRACTOR TO NOTIFY THE OWNERS REP. SHALL CONSTITUTE ACCEPTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF WORK AS DEFINED BY THE DRAWINGS IN FULL CONFORMANCE WITH LOCAL REGULATIONS AND CODES.
17. SEE OFFSITE IMPROVEMENT PLANS FOR ROADWAY, UTILITY AND WORKZONE TRAFFIC CONTROL WORK WITHIN THE NYS DOT HIGHWAY.
18. SEE BRIDGE PLANS AND NORMANSKILL STREET REHABILITATION PLANS FOR ALL WORK ASSOCIATED WITH THE EXTENSION OF NORMANSKILL TO ACCESS THE SITE.
19. SEE WHARF PLANS FOR ALL WORK ASSOCIATED WITH THE WHARF AND WORK ALONG THE HUDSON RIVER BELOW THE MHHW ELEVATIONS, INCLUDING PROPOSED DREDGING.
20. ALL WORK INCLUDED IN THESE PLANS SUBJECT TO SECTION 128-49 OF THE TOWN ZONING SHALL BE CERTIFIED BY DESIGNATED PROFESSIONALS PURSUANT TO SECTION 128-49(f)(2)(i).

SEQUENCE OF CONSTRUCTION

1. HOLD A PRE-CONSTRUCTION MEETING WITH PROJECT MANAGER, OPERATOR'S ENGINEER, CONTRACTORS & SUB-CONTRACTORS, AND REPRESENTATIVES OF THE TOWN OF BETHLEHEM (MS4) PRIOR TO LAND DISTURBING ACTIVITIES.
2. HAVE A QUALIFIED PROFESSIONAL CONDUCT AN ASSESSMENT OF THE SITE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION AND CERTIFY IN AN INSPECTION REPORT THAT THE APPROPRIATE EROSION AND SEDIMENT CONTROLS DESCRIBED IN THE SWPPP AS REQUIRED BY THE GP-0-20-001 HAVE BEEN ADEQUATELY INSTALLED OR IMPLEMENTED TO ENSURE OVERALL PREPAREDNESS OF THE SITE FOR THE COMMENCEMENT OF CONSTRUCTION.
3. CONSTRUCT TEMPORARY STABILIZED CONSTRUCTION ENTRANCE AT LOCATION SHOWN ON THE DRAWINGS.
4. INSTALL PERIMETER CONTROLS AND INLET PROTECTION AT THE LOCATIONS SHOWN ON THE DRAWINGS.
5. CONSULT A QUALIFIED PROFESSIONAL TO PERFORM A SITE INSPECTION AND VERIFY THAT THE INITIAL PHASE OF EROSION CONTROL DEVICES HAVE BEEN INSTALLED PER THE DRAWINGS PRIOR TO COMMENCEMENT OF GROUND DISTURBANCE.
6. BEGIN CLEARING AND GRUBBING OPERATIONS. CLEARING AND GRUBBING SHALL ONLY BE DONE IN AREAS WHERE EARTHWORK WILL BE PERFORMED.
7. STRIP AND STOCKPILE TOPSOIL, INSTALL PERIMETER EROSION CONTROL AROUND STOCKPILES, SEED AND MULCH PER PLANS.
8. COMMENCE EARTHWORK CUTS AND FILLS. WORK SHALL BE PROGRESSED TO ALLOW A REASONABLE TRANSFER OF CUT AND FILL FOR ROUGH GRADING AND EARTH MOVING FOR BULK SITE GRADING.
9. STABILIZE ALL AREAS IDLE IN EXCESS OF 7 DAYS IN WHICH CONSTRUCTION WILL NOT COMMENCE WITHIN 7 DAYS.
10. ADJUST THE EROSION AND SEDIMENT CONTROL PRACTICES AS REQUIRED FOR CONTINUING CONSTRUCTION AS SHOWN ON THE EROSION & SEDIMENT CONTROL PLAN. THIS SHALL BE A PHASED ADJUSTMENT IN ORDER TO ENSURE THAT RUNOFF FROM ALL DISTURBED AREAS IS TREATED BY APPROPRIATE EROSION AND SEDIMENT CONTROL DEVICES.
11. BEGIN UTILITY INSTALLATION AND BACKFILL. UTILITY INSTALLATION AREA SHALL BE STABILIZED WITH SEED AND MULCH PROGRESSIVELY AT THE END OF EACH WORK DAY.
12. CONSTRUCT CATCH BASINS, AREA INLETS AND STORM SEWER MANHOLES, AS SHOWN ON THE PLANS.
13. INSTALL INLET/OUTLET PROTECTION PROGRESSIVELY AS THE STORM SEWER IS INSTALLED.
14. AS LAWN AREAS ARE BROUGHT TO GRADE, STABILIZE WITH TOPSOIL, SEED AND MULCH PER SPECIFICATIONS.
15. FINALIZE PAVEMENT SUB-GRADE PREPARATION.
16. INSTALL ASPHALT SUB-BASE MATERIAL AS REQUIRED FOR PAVEMENT.
17. CARRY OUT ALL FINAL GRADING, STABILIZE SLOPES GREATER THAN 3H:1V WITH HEIGHTS EXCEEDING 5 FEET WITH EROSION CONTROL MATTING/BLANKETS, AND SEED AND MULCH ALL DISTURBED AREAS.
18. A QUALIFIED PROFESSIONAL SHALL PERFORM A SITE ASSESSMENT TO CONFIRM THAT ALL PERMANENT STORMWATER DEVICES HAVE BEEN INSTALLED PER PLANS AND 80% UNIFORM GERMINATION/STABILIZATION HAS BEEN ACHIEVED PRIOR TO THE REMOVAL OF ALL REMAINING TEMPORARY EROSION AND SEDIMENT CONTROLS.

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 60 RAILROAD PLACE
 SUITE 402
 SARATOGA SPRINGS, NEW YORK 12866
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PROJECT MILESTONE
FINAL DESIGN PLANS

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 ALBANY, NEW YORK

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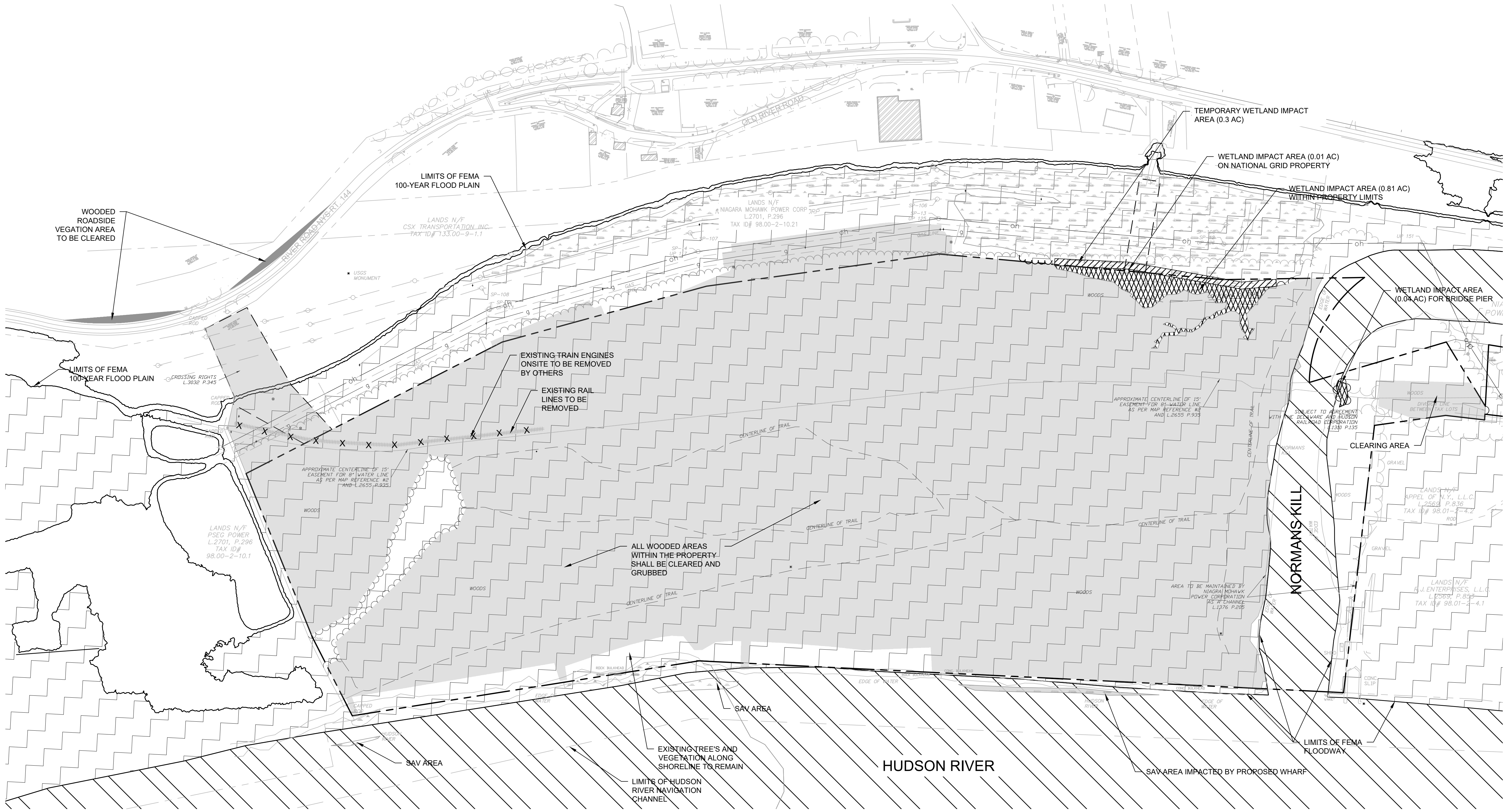
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| DESIGNED | NSO |
| CHECKED | AJF |
| SCALE | 1"=150' |
| DATE | JANUARY 2022 |
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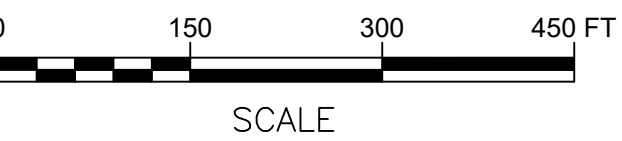
DRAWING TITLE
EXISTING CONDITION & DEMOLITION PLANS

DRAWING NUMBER
DE-01



DEMOLITION LEGEND

| | |
|---------------------------------------------------------|--|
| TREE CLEARING AREA | |
| EXISTING TREE LINE | |
| PROPOSED TREE LINE | |
| EXIST. CROSSING RIGHTS | |
| PROPERTY LINE | |
| ABANDONED WATER LINE DEMO | |
| CENTERLINE OF EXIST. RAIL LINE | |
| RAIL LINE DEMO | |
| EXIST. WETLAND AREA | |
| EXIST. WETLAND AREA TO BE IMPACTED | |
| TEMPORARY WETLAND IMPACT AREA | |
| EXIST. SUBMERGED AQUATIC VEGETATION AREA TO BE IMPACTED | |
| FEMA 100-YEAR FLOODPLAIN | |
| FEMA FLOODWAY | |





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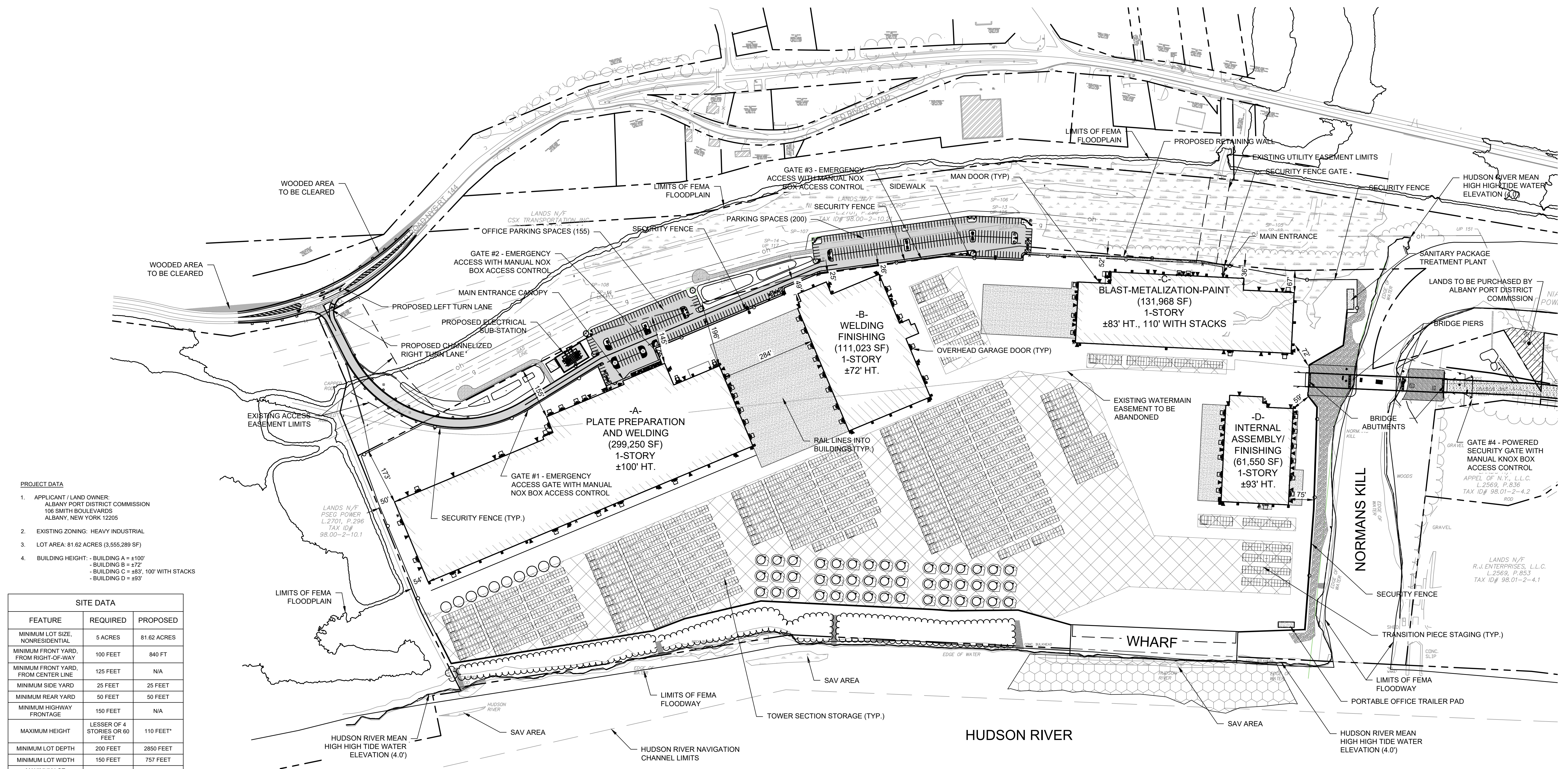
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DRAWING TITLE
SITE PLAN OVERALL

DRAWING NUMBER

SP-00

4 OF 62



- PROJECT DATA**
- APPLICANT / LAND OWNER:
ALBANY PORT DISTRICT COMMISSION
106 SMITH BOULEVARDS
ALBANY, NEW YORK 12205
 - EXISTING ZONING: HEAVY INDUSTRIAL
 - LOT AREA: 81.62 ACRES (3,555,289 SF)
 - BUILDING HEIGHT: - BUILDING A = ±100'
- BUILDING B = ±72'
- BUILDING C = ±83', 100' WITH STACKS
- BUILDING D = ±93'

SITE DATA

| FEATURE | REQUIRED | PROPOSED |
|---------------------------------------|--------------------------------|-------------|
| MINIMUM LOT SIZE, NON-RESIDENTIAL | 5 ACRES | 81.62 ACRES |
| MINIMUM FRONT YARD, FROM RIGHT-OF-WAY | 100 FEET | 840 FT |
| MINIMUM FRONT YARD, FROM CENTER LINE | 125 FEET | N/A |
| MINIMUM SIDE YARD | 25 FEET | 25 FEET |
| MINIMUM REAR YARD | 50 FEET | 50 FEET |
| MINIMUM HIGHWAY FRONTAGE | 150 FEET | N/A |
| MAXIMUM HEIGHT | LESSER OF 4 STORIES OR 60 FEET | 110 FEET* |
| MINIMUM LOT DEPTH | 200 FEET | 2850 FEET |
| MINIMUM LOT WIDTH | 150 FEET | 757 FEET |
| MAXIMUM LOT COVERAGE | 30% | 17.0% |

* WILL REQUEST A VARIANCE

ZONING:
EXISTING: ±81.62 ACRES HEAVY INDUSTRIAL
PROPOSED: ±81.62 ACRES HEAVY INDUSTRIAL

TAX ACCOUNT NUMBERS: 98.00-2-10.23
98.01-2-1

* ENTIRE SITE IS WITHIN 100-YR FLOODPLAIN

PARKING:
1 SPACE FOR EACH 2 EMPLOYEES ON MAXIMUM WORKING SHIFT.
TOTAL EMPLOYEES = 550

REQUIRED:
275 TOTAL SPACES REQUIRED

PROVIDED:
THE LARGEST SHIFT INCLUDES 180 EMPLOYEES WITH THE LARGEST SHIFT CHANGE INVOLVING 320 EMPLOYEES. INDIVIDUAL BUILDING PARKING DEMANDS FROM MARMEN WELCON HAVE BEEN PROVIDED BELOW:

BUILDING A = 168 SPACES
BUILDING B = 87 SPACES
BUILDING C & D = 100 SPACES TOTAL
TOTAL OPERATOR REQUESTED SPACES = 355
355 TOTAL SPACES PROVIDED

ADA SPACES REQUIRED:
PER 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN
REQUIRED (355 SPACE LOT): 8 SPACES FOR TOTAL PARKING 300-400 SPACES
PROVIDED (355 SPACE LOT): 9 SPACES

LEGEND

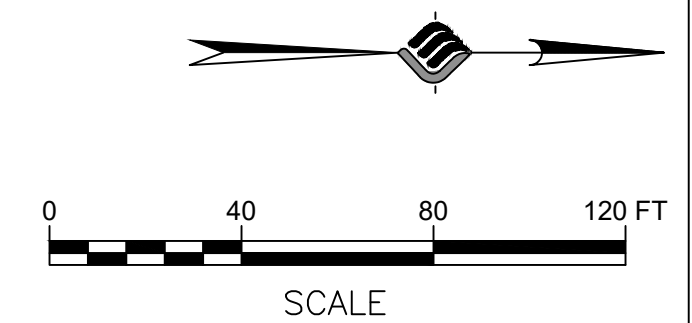
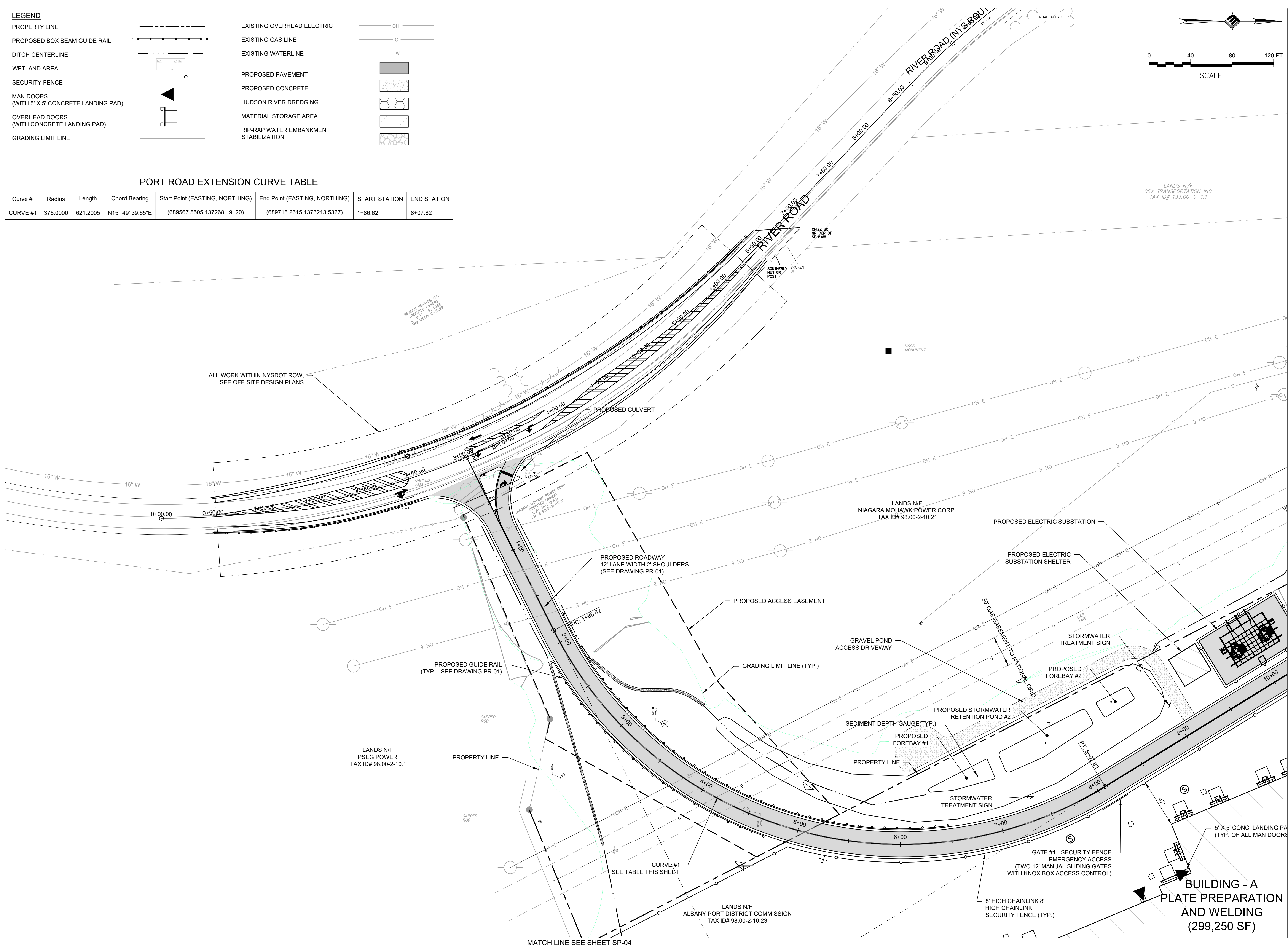
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|-------------------|------------------|----------------------------------------|----------------------|
| PROPERTY LINE | --- | PROPOSED BUILDING FOOTPRINT | [Hatched Box] |
| EASEMENT LIMITS | - - - | MATERIAL STORAGE AREAS | [Cross-hatched Box] |
| DITCH CENTERLINE | — · — | WETLAND AREA | [Wavy Box] |
| ROADSIDE SWALE | - · - | WHARF DREDGING AREA | [Hexagonal Box] |
| BUILDING SETBACK | ---- | PAVEMENT AREA | [Solid Grey Box] |
| OVERHEAD DOORS | D | CONCRETE AREA | [Stippled Box] |
| MAN DOORS | ▲ | RIP-RAP WATER EMBANKMENT STABILIZATION | [Diagonal Lines Box] |
| PROPOSED BUILDING | [Hatched Box] | | |
| EXISTING BUILDING | [Solid Grey Box] | | |



| LEGEND | |
|-----------------------------------------------|-----------|
| PROPERTY LINE | --- |
| PROPOSED BOX BEAM GUIDE RAIL | —●—●—●— |
| DITCH CENTERLINE | - - - - - |
| WETLAND AREA | (Pattern) |
| SECURITY FENCE | (Pattern) |
| MAN DOORS (WITH 5' X 5' CONCRETE LANDING PAD) | (Symbol) |
| OVERHEAD DOORS (WITH CONCRETE LANDING PAD) | (Symbol) |
| GRADING LIMIT LINE | --- |
| EXISTING OVERHEAD ELECTRIC | OH |
| EXISTING GAS LINE | G |
| EXISTING WATERLINE | W |
| PROPOSED PAVEMENT | (Pattern) |
| PROPOSED CONCRETE | (Pattern) |
| HUDSON RIVER DREDGING | (Pattern) |
| MATERIAL STORAGE AREA | (Pattern) |
| RIP-RAP WATER EMBANKMENT STABILIZATION | (Pattern) |

PORT ROAD EXTENSION CURVE TABLE

| Curve # | Radius | Length | Chord Bearing | Start Point (EASTING, NORTHING) | End Point (EASTING, NORTHING) | START STATION | END STATION |
|----------|----------|----------|------------------|---------------------------------|-------------------------------|---------------|-------------|
| CURVE #1 | 375.0000 | 621.2005 | N15° 49' 39.65"E | (689567.5505, 1372681.9120) | (689718.2615, 1373213.5327) | 1+86.62 | 8+07.82 |



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DRAWING TITLE
SITE PLAN

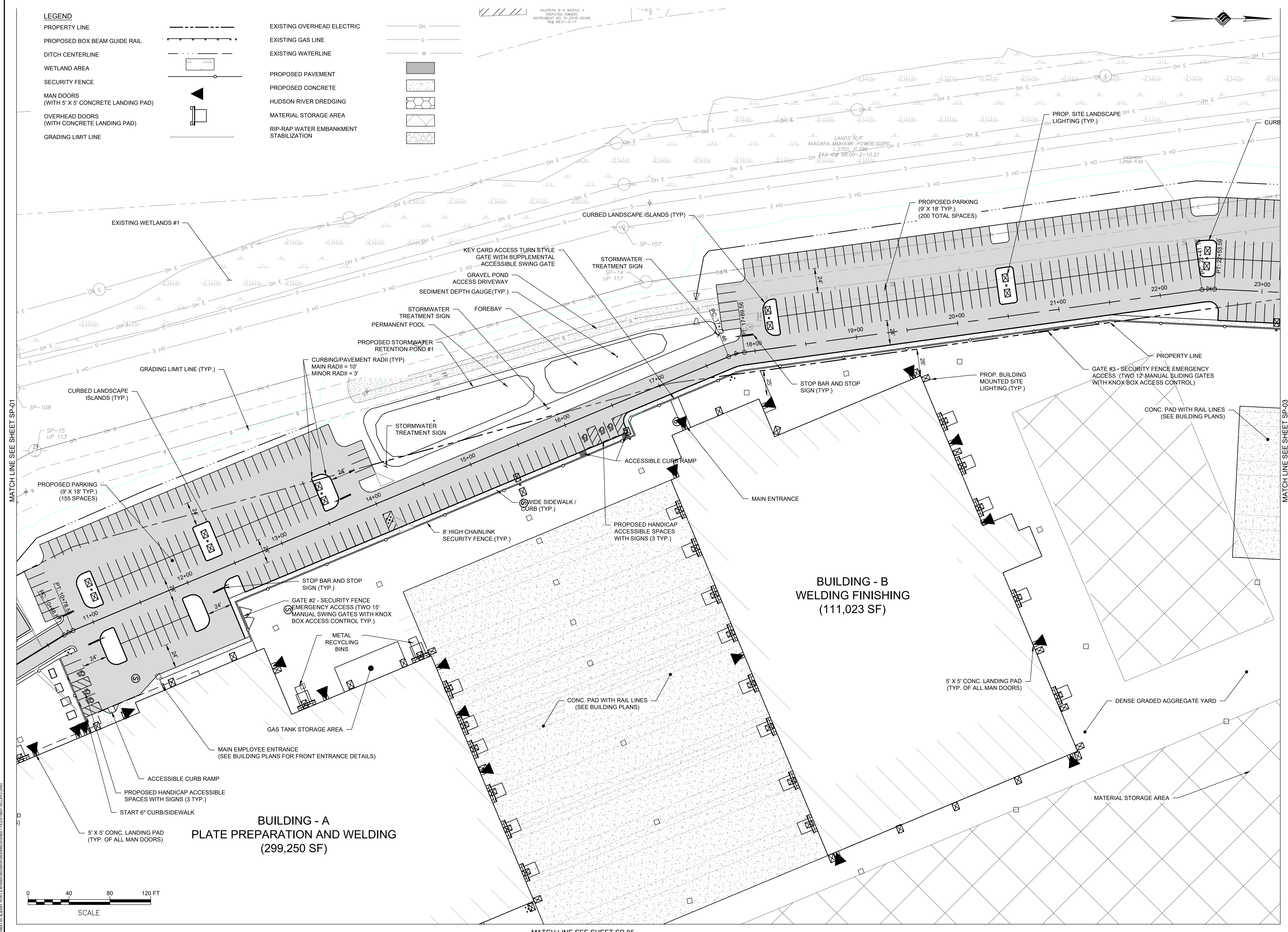
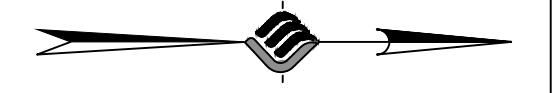
DRAWING NUMBER
SP-01

LEGEND

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| PROPERTY LINE | |
| PROPOSED BOX BEAM GUIDE RAIL | |
| DITCH CENTERLINE | |
| WETLAND AREA | |
| SECURITY FENCE | |
| MAN DOORS (WITH 5' X 5' CONCRETE LANDING PAD) | |
| OVERHEAD DOORS (WITH CONCRETE LANDING PAD) | |
| GRADING LIMIT LINE | |

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| EXISTING OVERHEAD ELECTRIC | |
| EXISTING GAS LINE | |
| EXISTING WATERLINE | |
| PROPOSED PAVEMENT | |
| PROPOSED CONCRETE | |
| HUDSON RIVER DREDGING | |
| MATERIAL STORAGE AREA | |
| RIP-RAP WATER EMBANKMENT STABILIZATION | |

VALERIAN B-K MASAO, II
(REGISTERED ENGINEER)
INSTRUMENT NO. R-2018-20168
TW# 9801-5-17



McFarland Johnson
60 RAILROAD PLACE
SUITE 402
SARATOGA SPRINGS, NEW YORK 12866
P:518-580-9380 F:518-580-9383
SaratogaROM@mjinc.com

PROJECT MILESTONE

| NO. | DATE | DESCRIPTION |
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CLIENT: **ALBANY PORT DISTRICT COMMISSION**
ALBANY, NEW YORK

PROJECT: **PORT OF ALBANY EXPANSION SITE**

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|----------|--------------|
| DRAWN | JES |
| DESIGNED | NSO |
| CHECKED | AJF |
| SCALE | 1"=40' |
| DATE | JANUARY 2022 |
| PROJECT | 18641.00 |

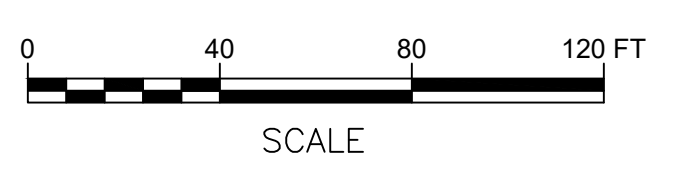
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DRAWING TITLE
SITE PLAN

DRAWING NUMBER
SP-02

N:\08641\05 ALBANY PORT EXPANSION\DRAWINGS\SP-SHEET\05.DWG



MATCH LINE SEE SHEET SP-05

MATCH LINE SEE SHEET SP-01

MATCH LINE SEE SHEET SP-03



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 SaratogaROM@mjinc.com

PROJECT MILESTONE
FINAL DESIGN PLANS

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CLIENT:
ALBANY PORT DISTRICT COMMISSION
 ALBANY, NEW YORK

PROJECT:
PORT OF ALBANY EXPANSION SITE

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DRAWING TITLE
SITE PLAN

DRAWING NUMBER
SP-04

MATCH LINE SEE SHEET SP-01

LANDS N/F
 PSEG POWER
 L. 2701, P. 296
 TAX ID#
 98.00-2-10.1

**BUILDING - A
 PLATE PREPARATION AND WELDING
 (299,250 SF)**

5' X 5' CONG. LANDING PAD
 (TYP. OF ALL MAN DOORS)

45' WIDE DRIVE AISLE

PROP. BUILDING LIGHTING (TYP.)

PROPOSED 8' HIGH CHAINLINK SECURITY FENCE (TYP.)

LANDS N/F
 ALBANY PORT DISTRICT COMMISSION
 TAX ID# 98.00-2-10.23

DENSE GRADED AGGREGATE YARD

PROPOSED FINISHED PRODUCT STORAGE AREA

12" CONCRETE CURB

BEGIN CURB

GRADING LIMIT LINE (TYP.)

HUDSON RIVER/ NORMANS KILL MEAN HIGH HIGH WATER LIMIT (ELEV = 3.78')

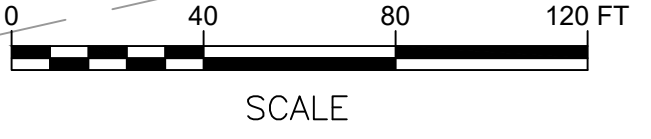
MEDIUM STONE FILL OUTLET PROTECTION

WETLAND #4 HUDSON RIVER

SAV AREA #1

HUDSON RIVER

HUDSON RIVER NAVIGATION CHANNEL LIMIT



| LEGEND | |
|-----------------------------------------------|-----------|
| PROPERTY LINE | --- |
| PROPOSED BOX BEAM GUIDE RAIL | —●—●—●—●— |
| DITCH CENTERLINE | - - - - - |
| WETLAND AREA | |
| SECURITY FENCE | —▲—▲—▲—▲— |
| MAN DOORS (WITH 5' X 5' CONCRETE LANDING PAD) | |
| OVERHEAD DOORS (WITH CONCRETE LANDING PAD) | |
| GRADING LIMIT LINE | — |
| EXISTING OVERHEAD ELECTRIC | —OH— |
| EXISTING GAS LINE | —G— |
| EXISTING WATERLINE | —W— |
| PROPOSED PAVEMENT | |
| PROPOSED CONCRETE | |
| HUDSON RIVER DREDGING | |
| MATERIAL STORAGE AREA | |
| RIP-RAP WATER EMBANKMENT STABILIZATION | |

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CLIENT:
ALBANY PORT DISTRICT COMMISSION

ALBANY, NEW YORK
 PROJECT:
PORT OF ALBANY EXPANSION SITE

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| DESIGNED | NSO |
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| PROJECT | 18641.00 |

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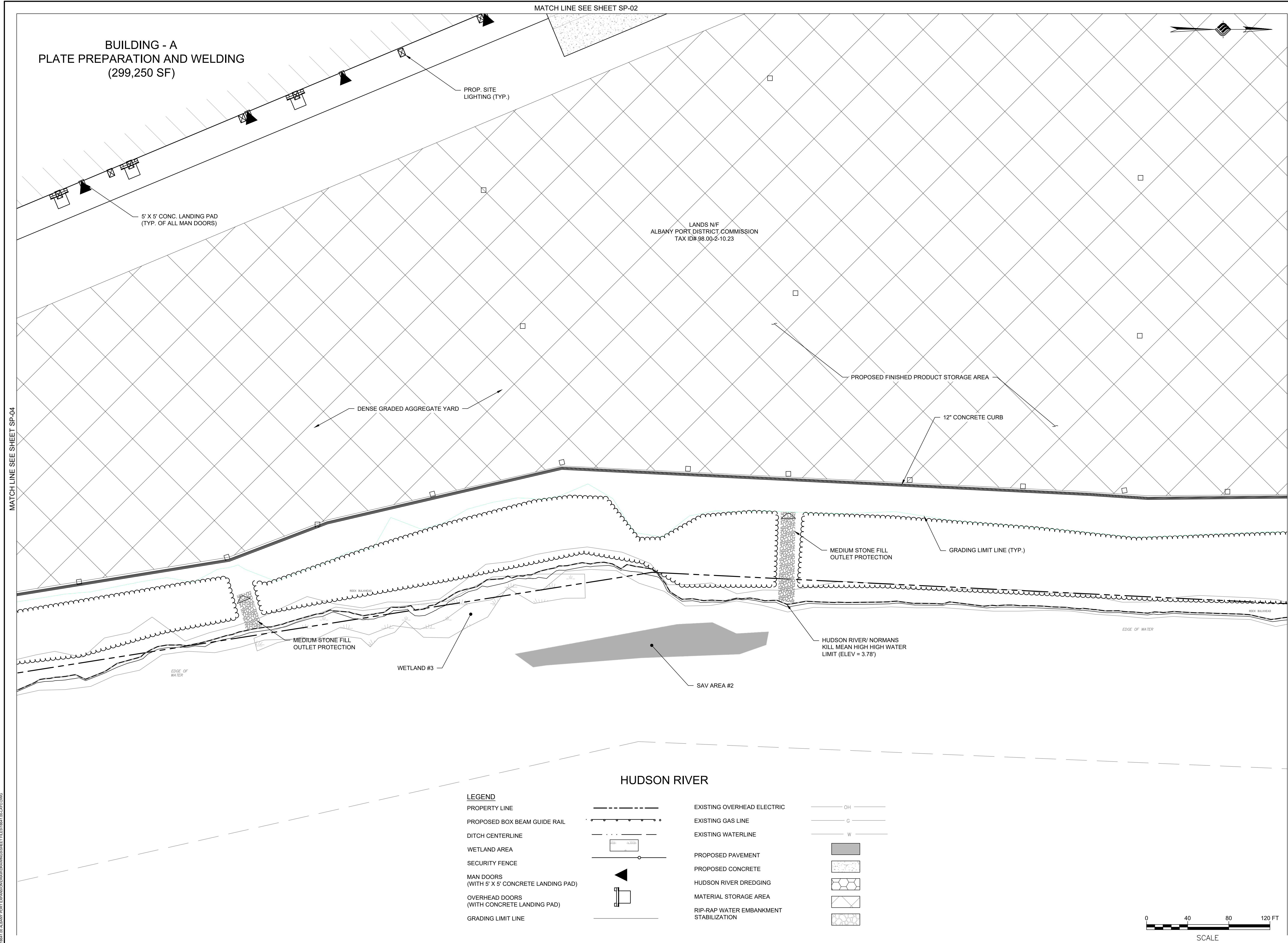
DRAWING TITLE

SITE PLAN

DRAWING NUMBER

SP-05

9 OF 62



MATCH LINE SEE SHEET SP-04

MATCH LINE SEE SHEET SP-02

MATCH LINE SEE SHEET SP-06

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MATCH LINE SEE SHEET SP-03



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CLIENT:
ALBANY PORT DISTRICT COMMISSION
ALBANY, NEW YORK
PROJECT:
PORT OF ALBANY EXPANSION SITE

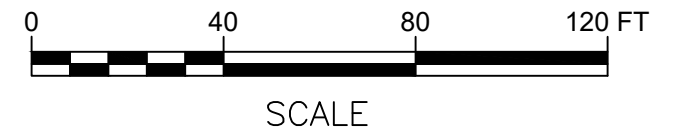
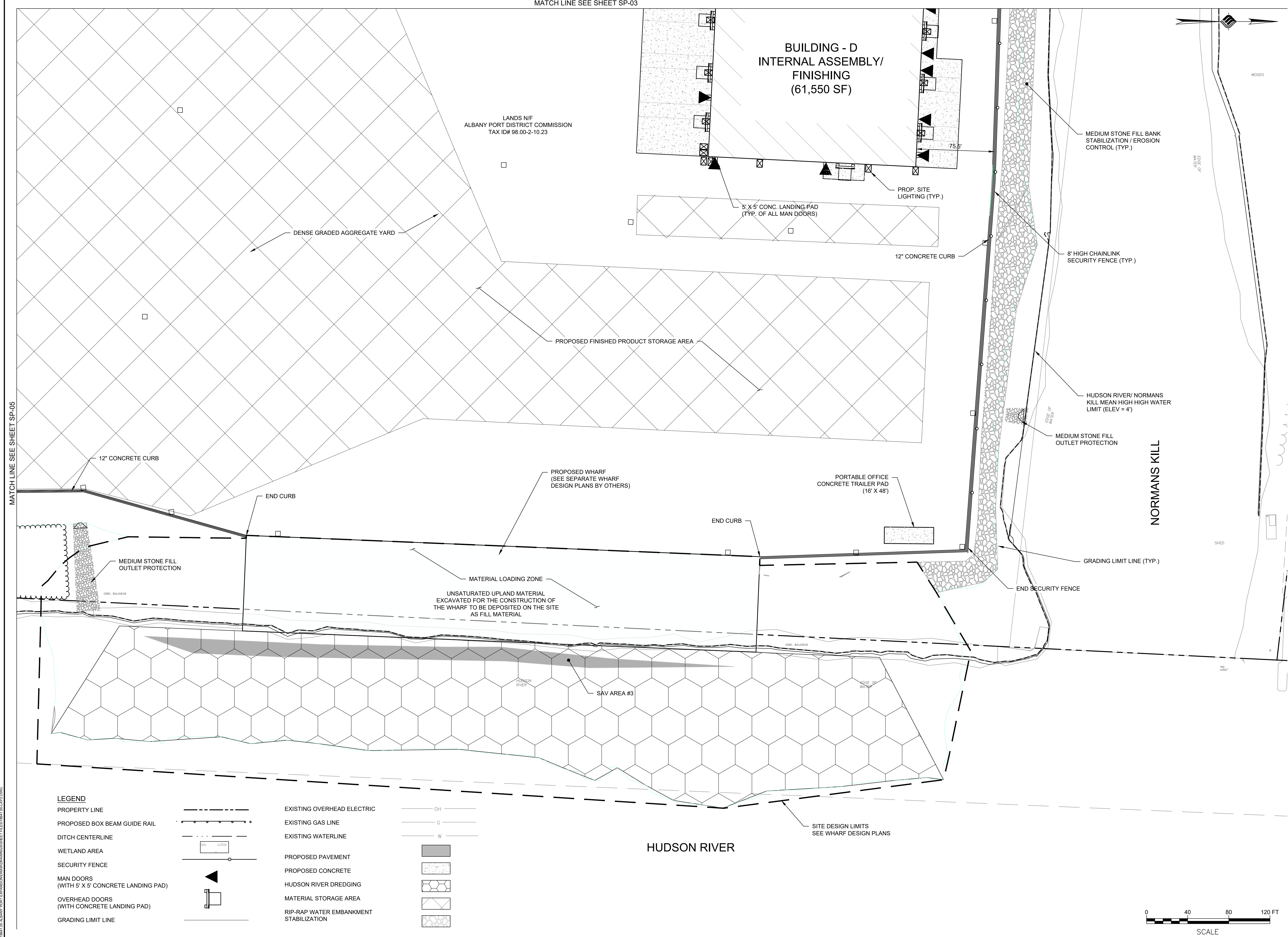
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DRAWING TITLE
SITE PLAN

DRAWING NUMBER
SP-06



MATCH LINE SEE SHEET SP-05

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CLIENT: **ALBANY PORT DISTRICT COMMISSION**
 ALBANY, NEW YORK
 PROJECT: **PORT OF ALBANY EXPANSION SITE**

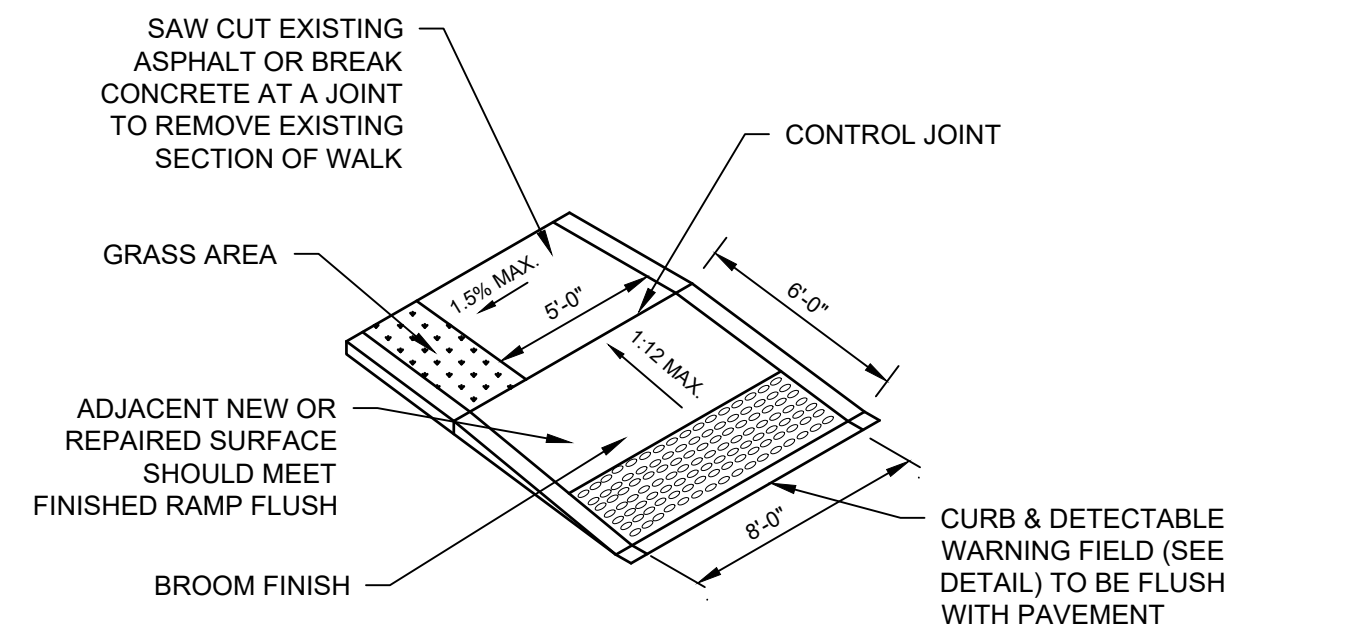
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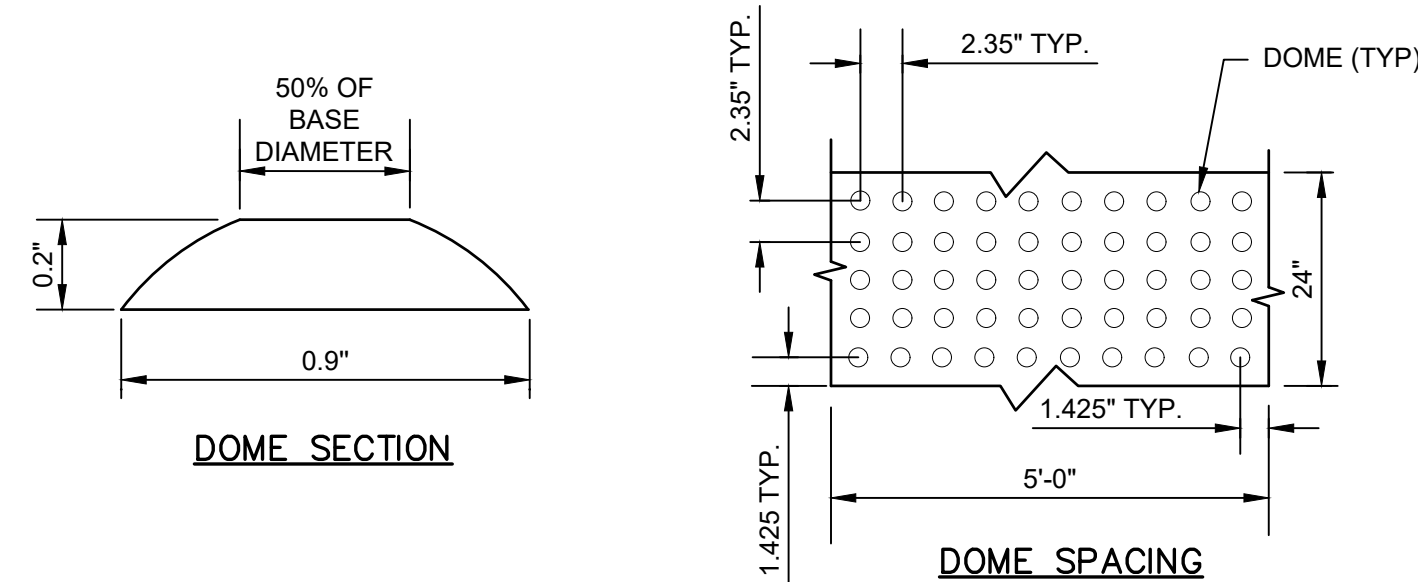
DRAWING TITLE
SITE DETAILS

DRAWING NUMBER
SP-08



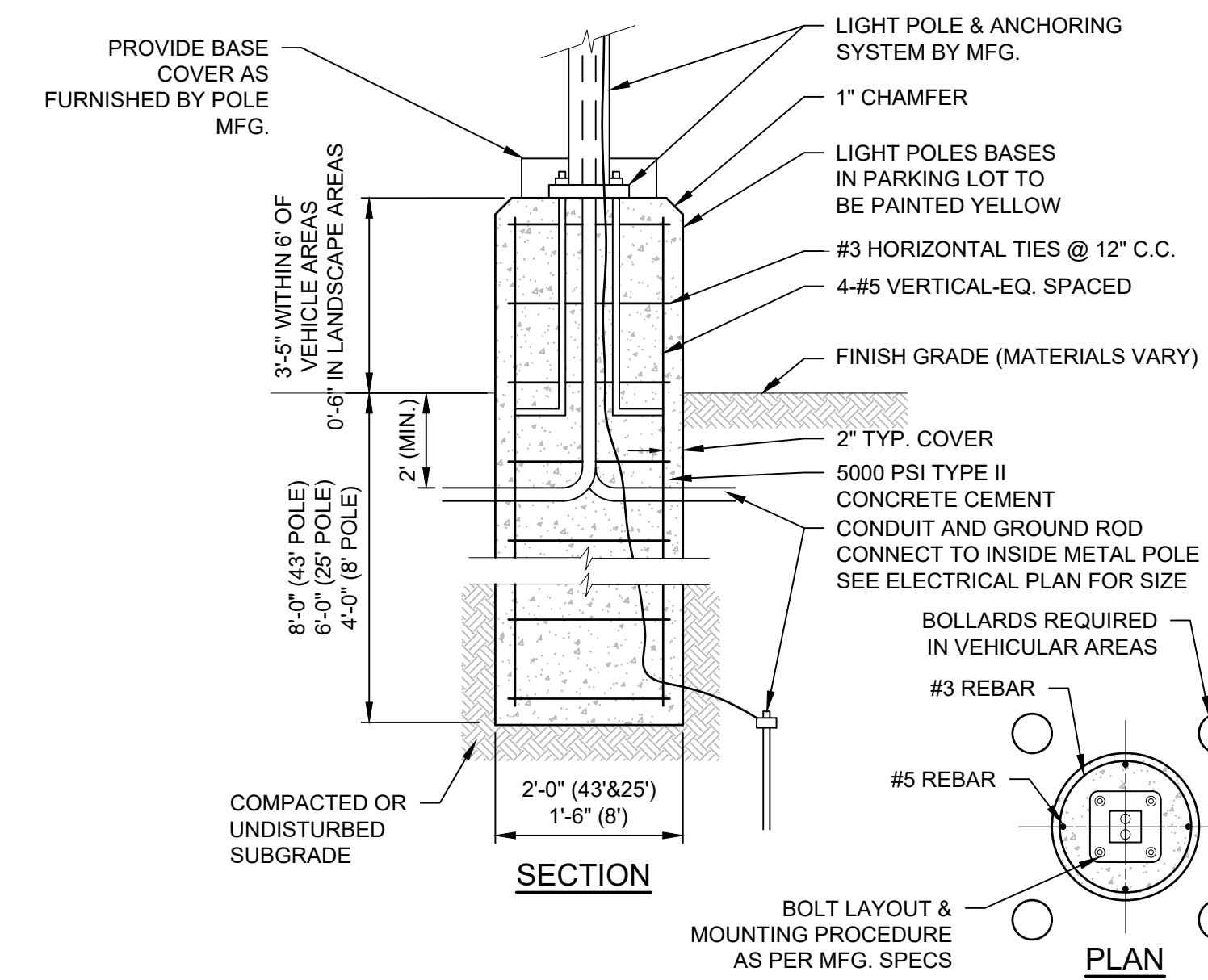
- NOTES:
- RAMPS SHALL BE BUILT IN CONFORMANCE WITH A.D.A. RULES AND REGULATIONS
 - THE SURFACE OF ALL SIDEWALK RAMPS IS TO BE STABLE, FIRM, AND SLIP-RESISTANT. (A COARSE BROOM FINISH PERPENDICULAR TO THE RAMP SLOPE IS ACCEPTABLE)

SIDEWALK RAMP - TYPE B

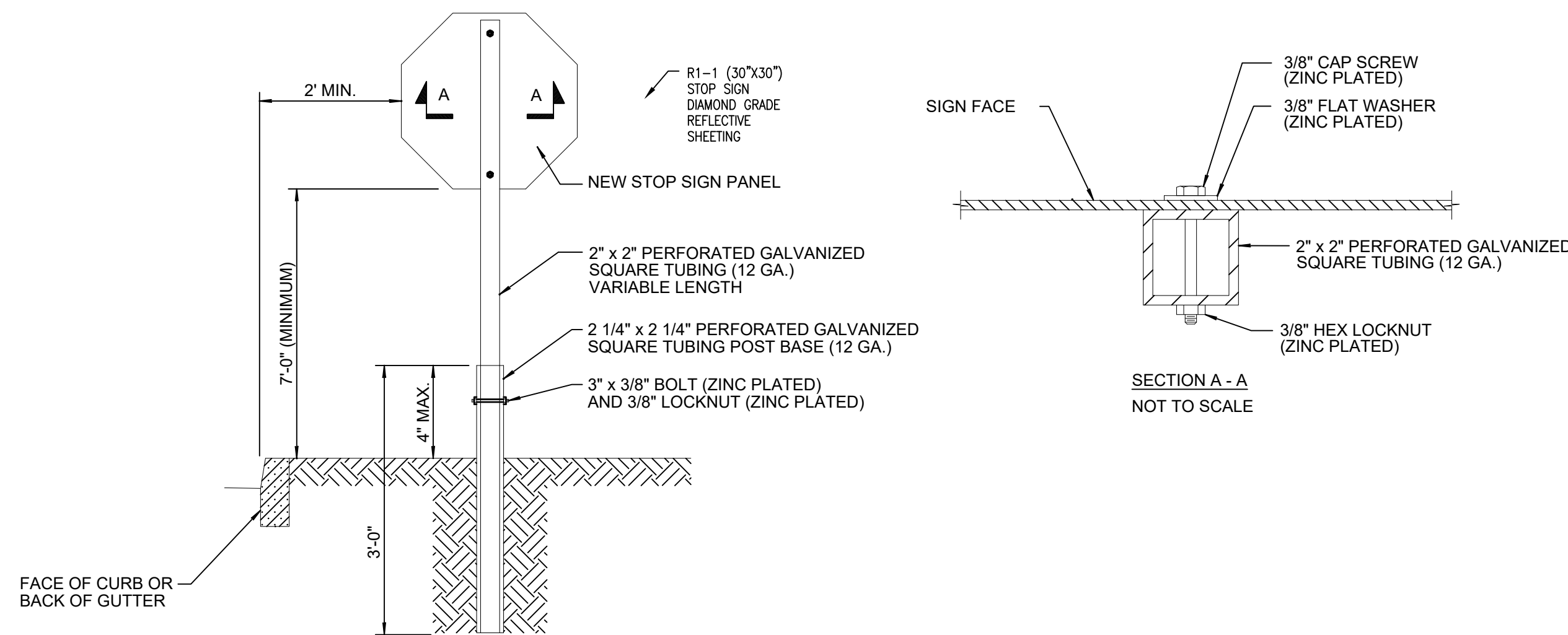


- NOTES:
- THE QUANTITY OF DOMES DEPICTED ON THE DETECTABLE WARNING FIELD (THE DOMES AND THE ENTIRE SURFACE) IS FOR ILLUSTRATION ONLY.
 - DOME ALIGNMENT: DOMES SHALL BE ALIGNED ON A SQUARE GRID IN THE PREDOMINANT DIRECTION OF TRAVEL.
 - THE DETECTABLE WARNING FIELD SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES. USE BOMANITE SHALE GRAY COLOR HARDENER UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS.

DETECTABLE WARNING FIELD



EXTERIOR LIGHT POLE BASE



POST MOUNTED SIGN INSTALLATION

N.T.S.

STORMWATER MANAGEMENT PRACTICE - RETENTION POND #1

PROJECT IDENTIFICATION - SPDES CONSTRUCTION PERMIT # NYRXXXXXX

MUST BE MAINTAINED IN ACCORDANCE WITH O&M PLAN

DO NOT REMOVE OR ALTER

STORMWATER MANAGEMENT PRACTICE - RETENTION POND #2

PROJECT IDENTIFICATION - SPDES CONSTRUCTION PERMIT # NYRXXXXXX

MUST BE MAINTAINED IN ACCORDANCE WITH O&M PLAN

DO NOT REMOVE OR ALTER

WARNING

SWIMMING, WADING, AND SKATING IS PROHIBITED

POSSIBLE CONTAMINATION OR POLLUTION OF POND WATER

MAXIMUM POND DEPTH IS 8.0 FEET

WARNING

SWIMMING, WADING, AND SKATING IS PROHIBITED

POSSIBLE CONTAMINATION OR POLLUTION OF POND WATER

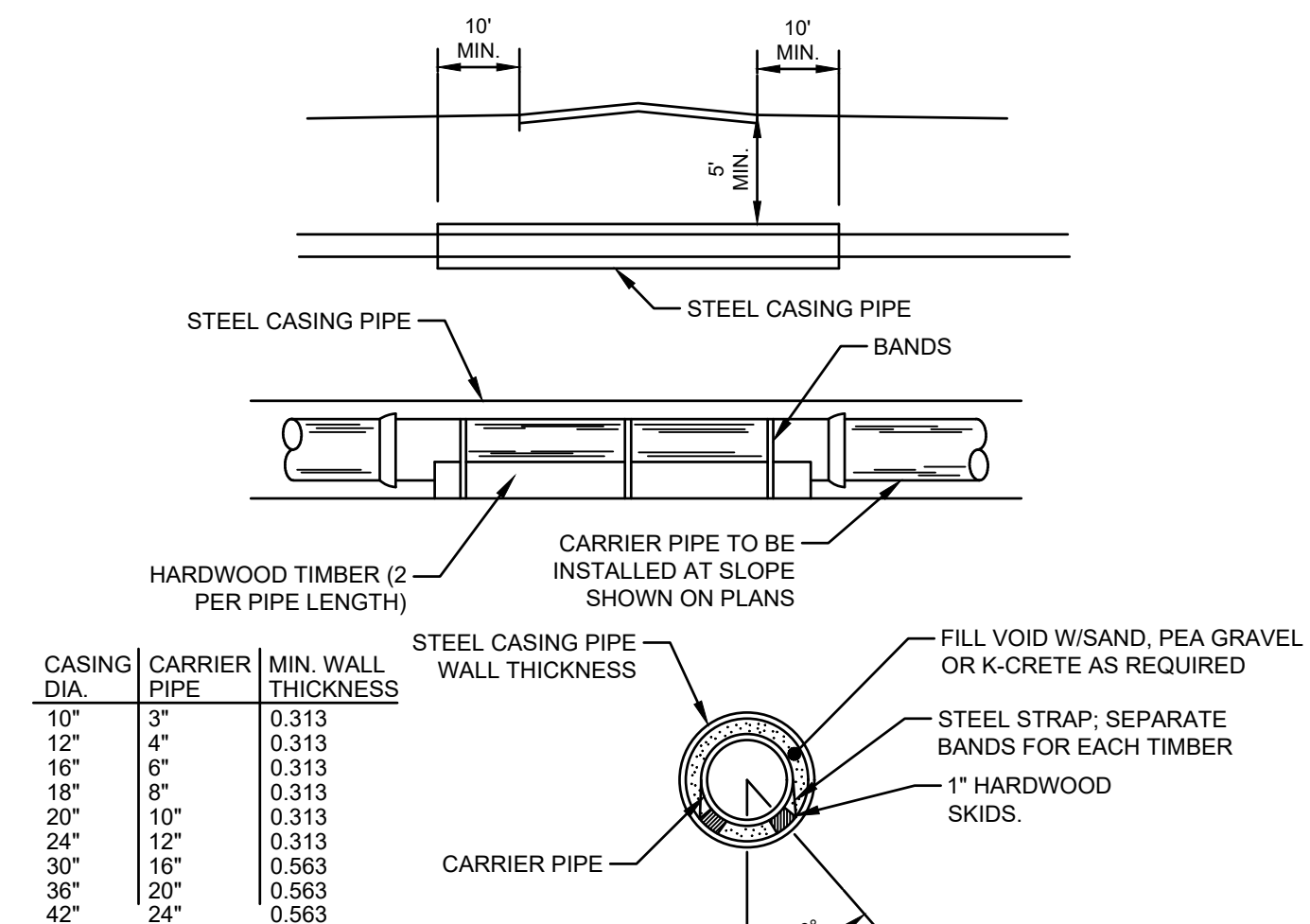
MAXIMUM POND DEPTH IS 7.5 FEET

SEE SHEET SP-01 FOR LOCATION, ORIENTATION, AND QUANTITY

SEE SHEET SP-02 FOR LOCATION, ORIENTATION, AND QUANTITY

STORMWATER TREATMENT SIGNS

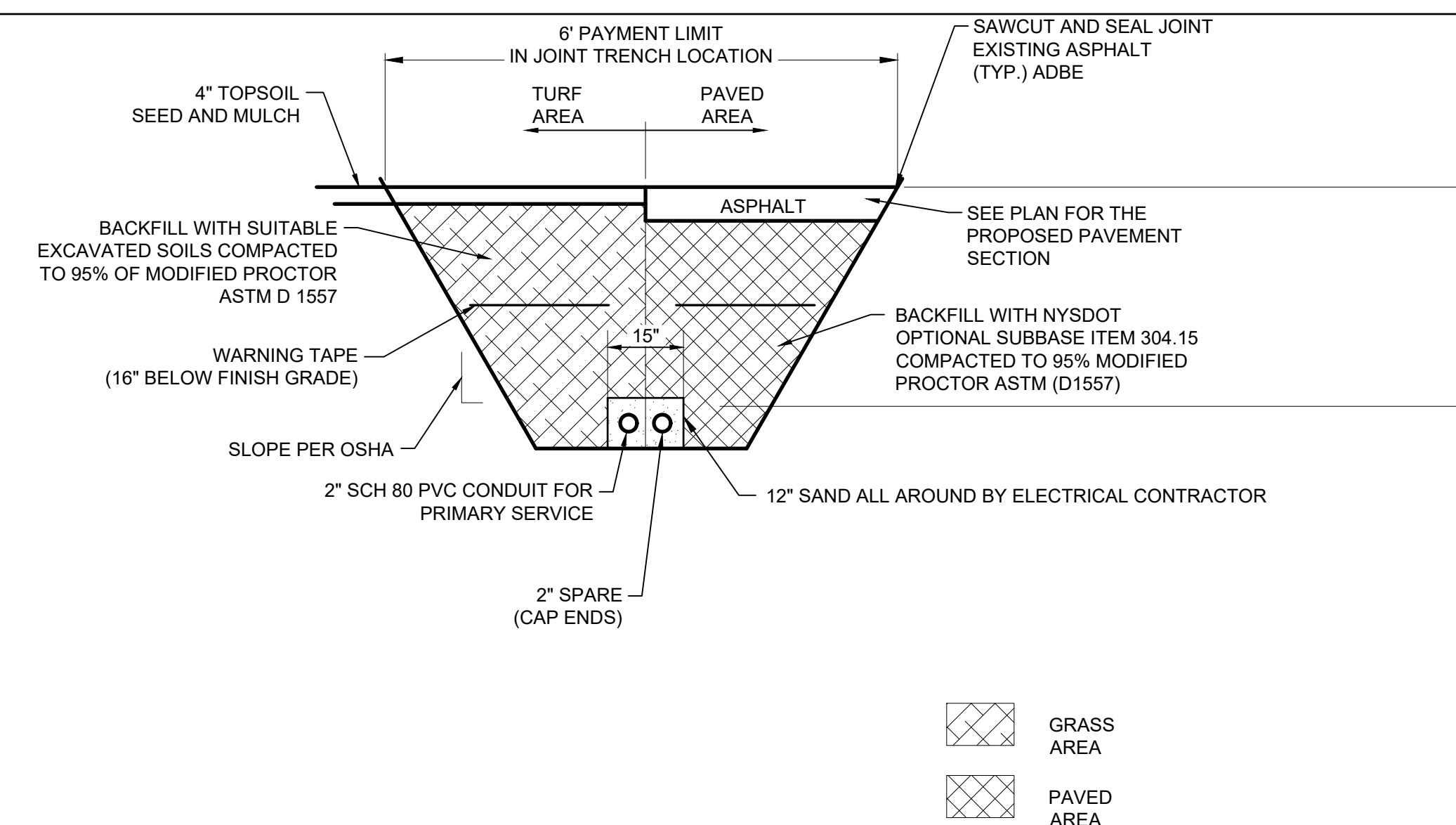
N.T.S.



- NOTES:
- FINAL BORING DETAILS SHALL BE AS REQUIRED FROM THE AGENCY HAVING JURISDICTION (STATE, COUNTY, R.R.)
 - APPROVED WORK PERMITS SHALL BE OBTAINED PRIOR TO COMMENCING WORK.
 - A BRICK BULLHEAD SHALL BE PROVIDED AT EACH END OF THE CASING PIPE.
 - ALL PIPE JOINTS WITHIN THE PIPE CASING SHALL BE RESTRAINED PIPE JOINTS.

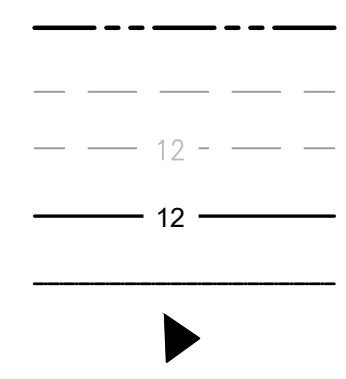
CASING PIPE INSTALLATION

N.T.S.

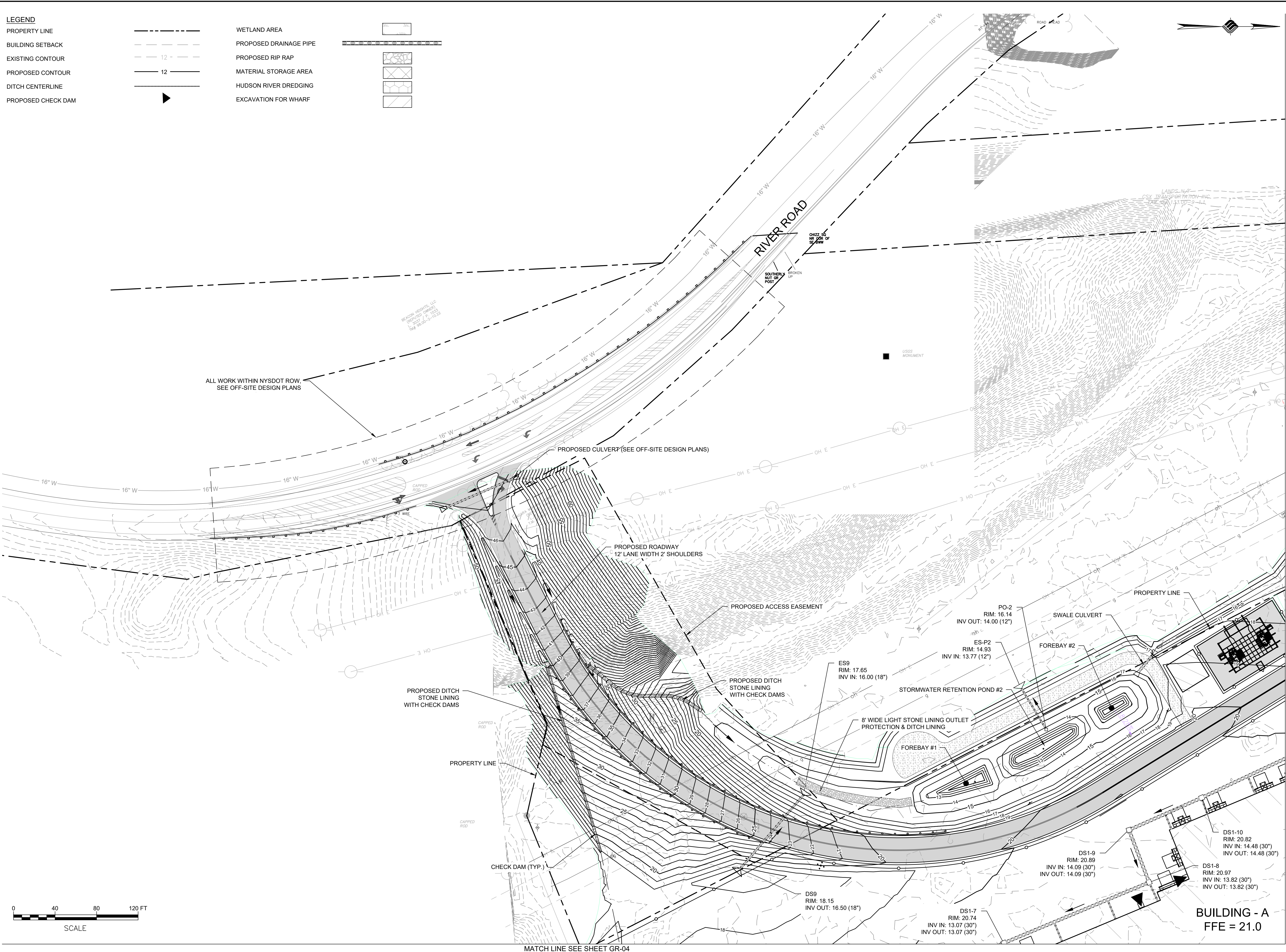
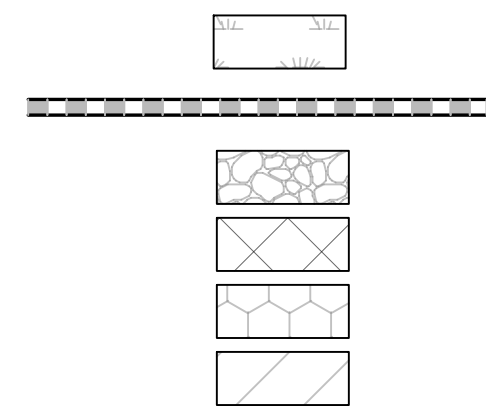


ELEC. UTILITY TRENCH DETAIL

LEGEND
 PROPERTY LINE
 BUILDING SETBACK
 EXISTING CONTOUR
 DITCH CENTERLINE
 PROPOSED CHECK DAM



WETLAND AREA
 PROPOSED DRAINAGE PIPE
 PROPOSED RIP RAP
 MATERIAL STORAGE AREA
 HUDSON RIVER DREDGING
 EXCAVATION FOR WHARF



McFarland Johnson
 60 RAILROAD PLACE
 SUITE 402
 SARATOGA SPRINGS, NEW YORK 12866
 P: 518-580-9380 F: 518-580-9383
 SaratogaROM@mjinc.com

PROJECT MILESTONE
FINAL DESIGN PLANS

| NO. | DATE | DESCRIPTION |
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CLIENT:
ALBANY PORT DISTRICT COMMISSION
 ALBANY, NEW YORK

PROJECT:
PORT OF ALBANY EXPANSION SITE

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| DRAWN | JES |
| DESIGNED | NSO |
| CHECKED | AJF |
| SCALE | 1"=40' |
| DATE | JANUARY 2022 |
| PROJECT | 18641.00 |

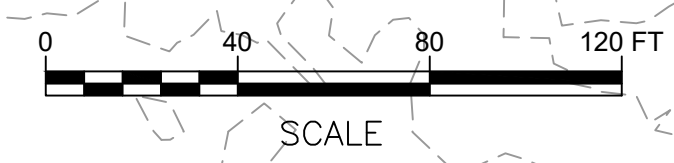
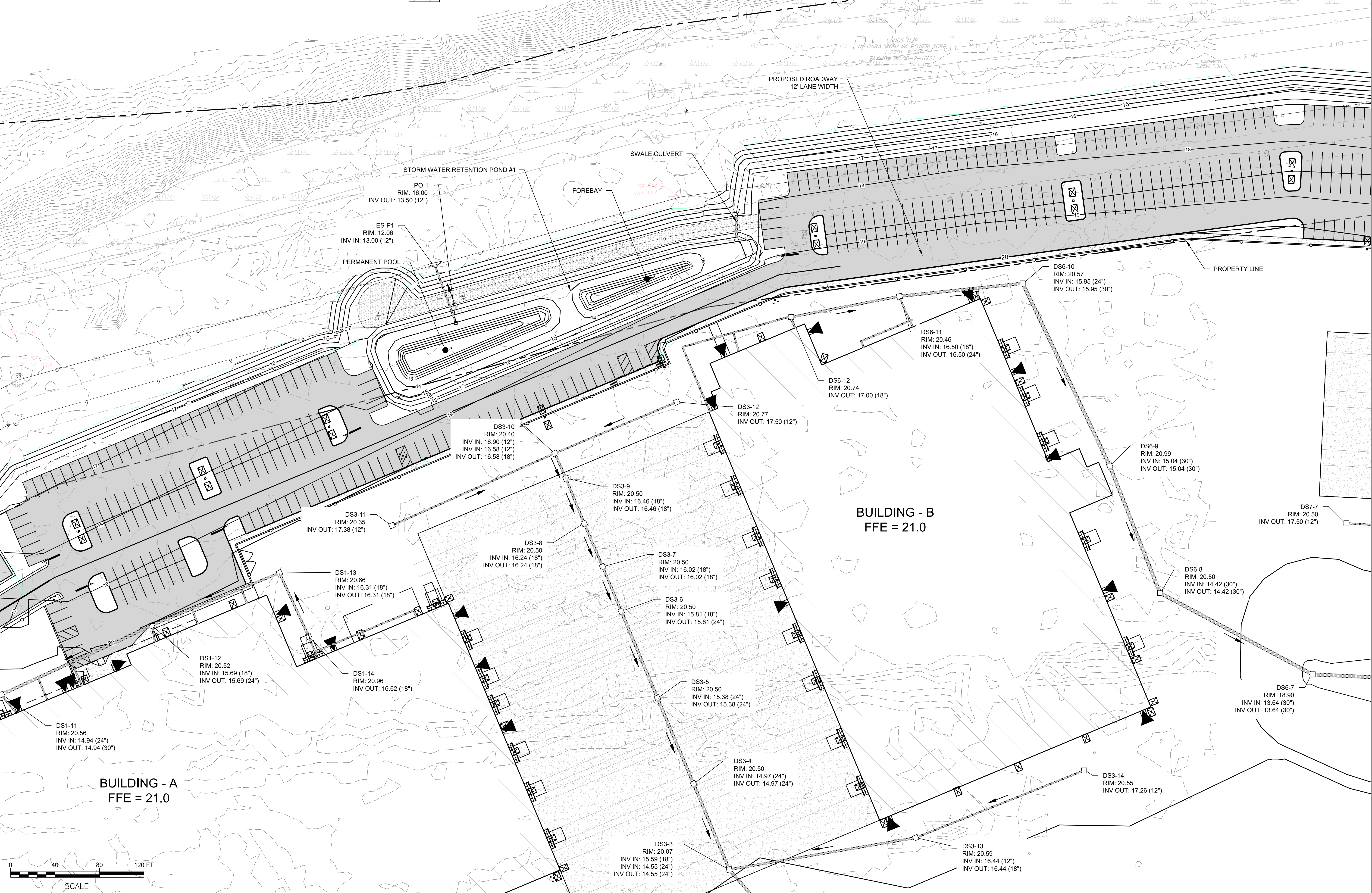
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DRAWING TITLE
GRADING & DRAINAGE

DRAWING NUMBER
GR-01

- LEGEND**
- PROPERTY LINE
 - BUILDING SETBACK
 - EXISTING CONTOUR
 - PROPOSED CONTOUR
 - DITCH CENTERLINE
 - PROPOSED CHECK DAM
 - WETLAND AREA
 - PROPOSED DRAINAGE PIPE
 - PROPOSED RIP RAP
 - MATERIAL STORAGE AREA
 - HUDSON RIVER DREDGING
 - EXCAVATION FOR WHARF



VALERIAN B-K MASAO, II
 (REGISTERED ENGINEER)
 INSTRUMENT NO. R-2018-20168
 TWP 98-01-3-17

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CLIENT:
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PROJECT:
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DRAWING TITLE
GRADING & DRAINAGE

DRAWING NUMBER
GR-02



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CLIENT:
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| SCALE | 1"=40' |
| DATE | JANUARY 2022 |
| PROJECT | 18641.00 |

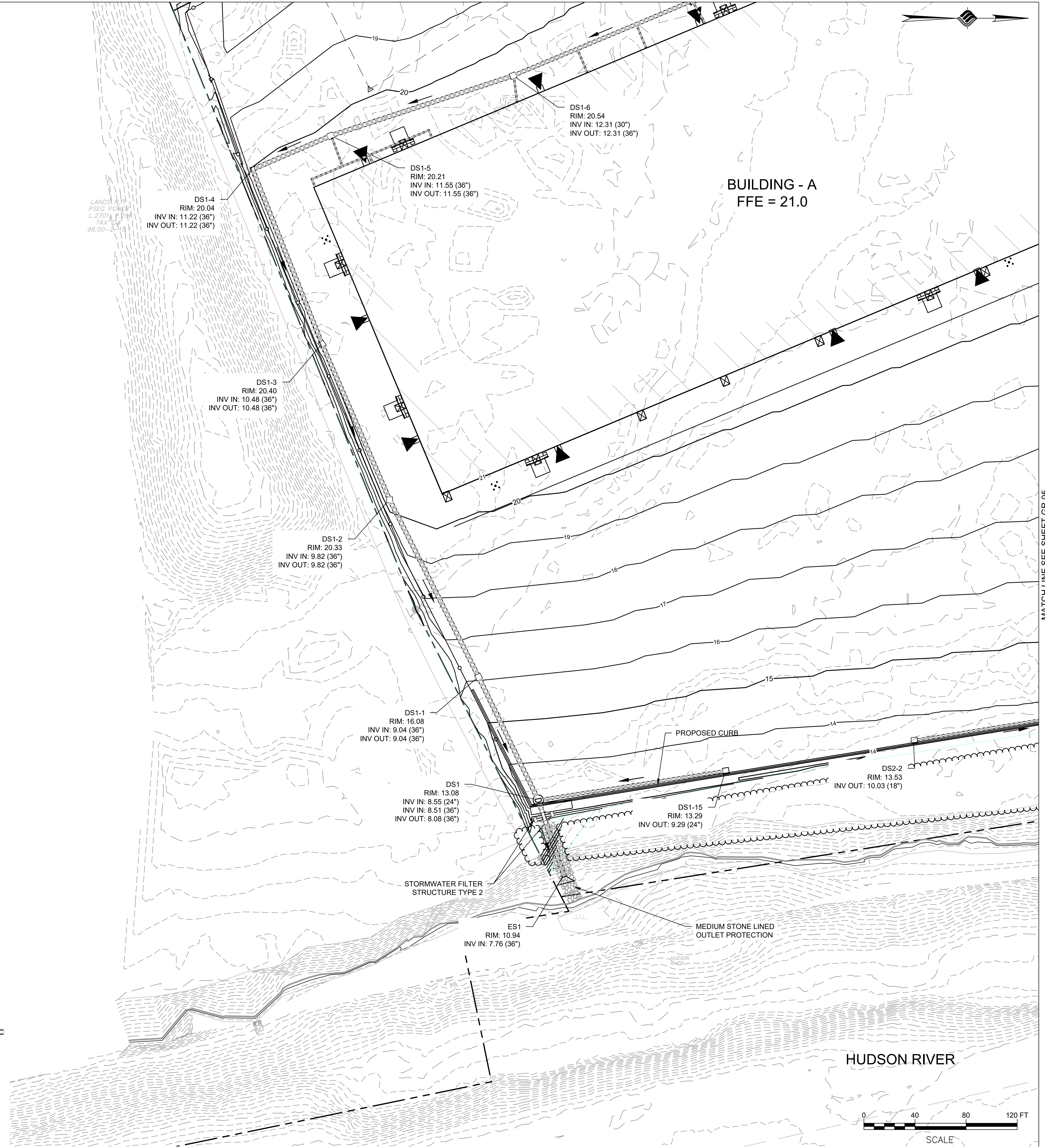
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DRAWING TITLE
GRADING & DRAINAGE

DRAWING NUMBER
GR-04

MATCH LINE SEE SHEET GR-01

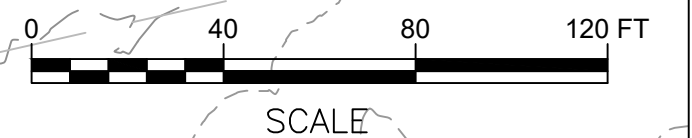


LANDS
 PSEG POWER
 L 2701A P 0388
 TAX ID
 99.00-2701A

LEGEND

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| PROPERTY LINE | |
| BUILDING SETBACK | |
| EXISTING CONTOUR | |
| PROPOSED CONTOUR | |
| DITCH CENTERLINE | |
| PROPOSED CHECK DAM | |

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|------------------------|--|
| WETLAND AREA | |
| PROPOSED DRAINAGE PIPE | |
| PROPOSED RIP RAP | |
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| HUDSON RIVER DREDGING | |
| EXCAVATION FOR WHARF | |





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| DRAWN | JES |
| DESIGNED | NSO |
| CHECKED | AJF |
| SCALE | 1"=40' |
| DATE | JANUARY 2022 |
| PROJECT | 18641.00 |

**FOR REVIEW
 NOT FOR
 CONSTRUCTION**

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DRAWING TITLE

**GRADING &
 DRAINAGE**

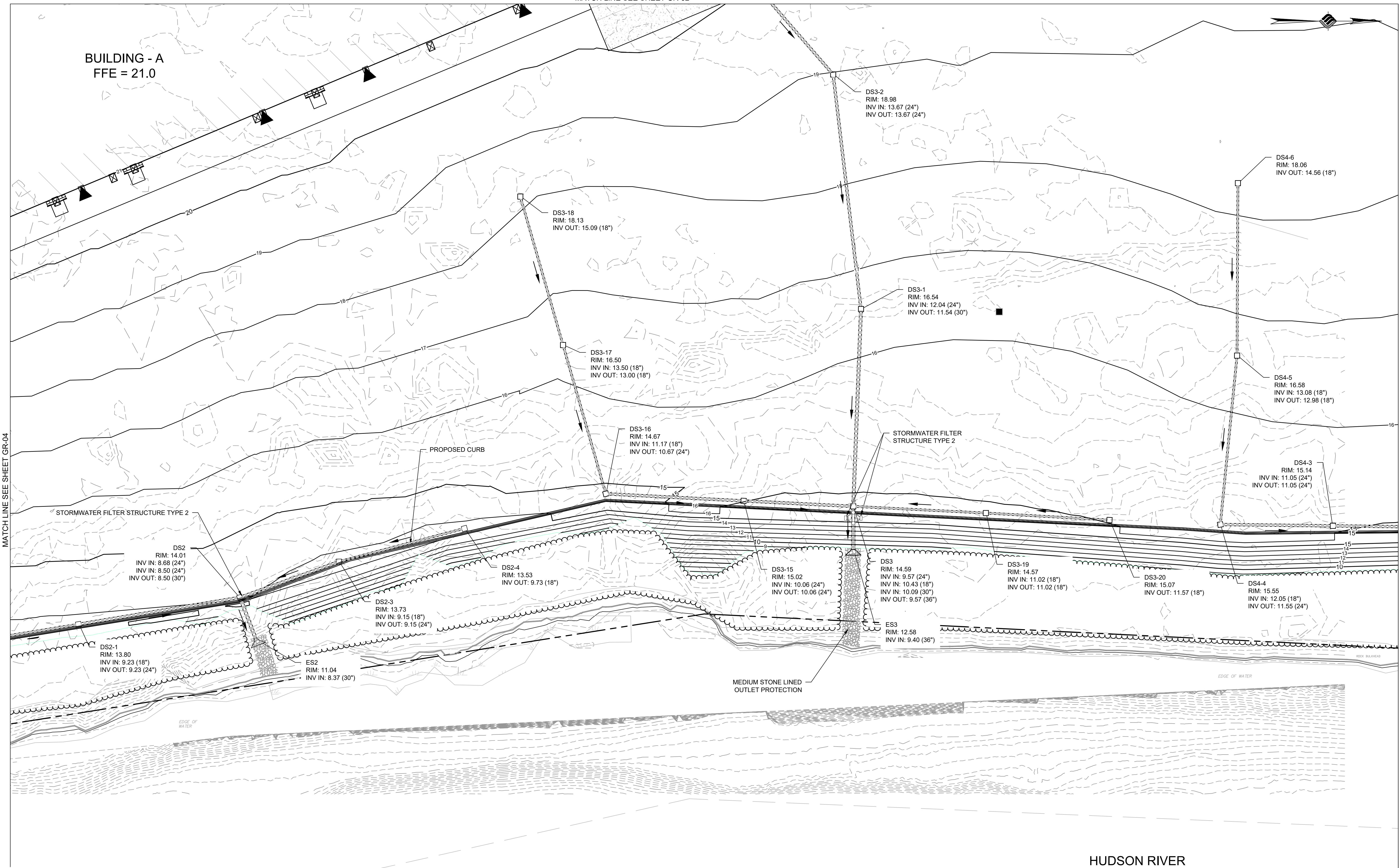
DRAWING NUMBER

GR-05

23 OF 62

MATCH LINE SEE SHEET GR-02

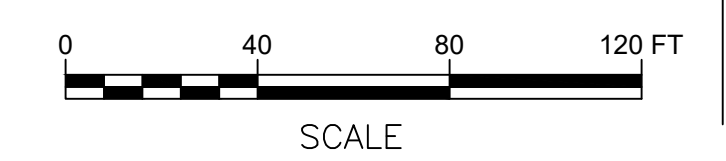
BUILDING - A
 FFE = 21.0



MATCH LINE SEE SHEET GR-04

MATCH LINE SEE SHEET GR-06

| LEGEND | |
|------------------------|--|
| PROPERTY LINE | |
| BUILDING SETBACK | |
| EXISTING CONTOUR | |
| PROPOSED CONTOUR | |
| DITCH CENTERLINE | |
| PROPOSED CHECK DAM | |
| WETLAND AREA | |
| PROPOSED DRAINAGE PIPE | |
| PROPOSED RIP RAP | |
| MATERIAL STORAGE AREA | |
| HUDSON RIVER DREDGING | |
| EXCAVATION FOR WHARF | |



N:\18641\05 ALBANY PORT EXPANSION\DRAWINGS\DR-05-01.DWG



McFarland Johnson
 60 RAILROAD PLACE
 SUITE 402
 SARATOGA SPRINGS, NEW YORK 12866
 P: 518-580-9380 F: 518-580-9383
 SaratogaROM@mjinco.com

PROJECT MILESTONE
FINAL DESIGN PLANS

| NO. | DATE | DESCRIPTION |
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CLIENT: **ALBANY PORT DISTRICT COMMISSION**
 ALBANY, NEW YORK
 PROJECT: **PORT OF ALBANY EXPANSION SITE**

| | |
|----------|--------------|
| DRAWN | JES |
| DESIGNED | NSO |
| CHECKED | AJF |
| SCALE | 1"=40' |
| DATE | JANUARY 2022 |
| PROJECT | 18641.00 |

**FOR REVIEW
 NOT FOR
 CONSTRUCTION**

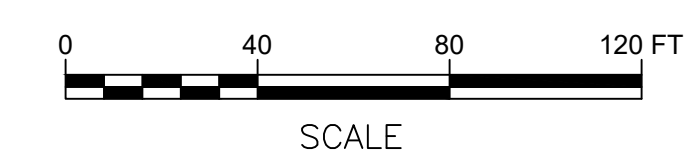
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECT DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

DRAWING TITLE
GRADING & DRAINAGE

DRAWING NUMBER
GR-06



| LEGEND | |
|------------------------|-----------|
| PROPERTY LINE | --- |
| BUILDING SETBACK | --- |
| EXISTING CONTOUR | - - - - |
| PROPOSED CONTOUR | — — — — |
| DITCH CENTERLINE | — — — — |
| PROPOSED CHECK DAM | ▶ |
| WETLAND AREA | [Pattern] |
| PROPOSED DRAINAGE PIPE | [Pattern] |
| PROPOSED RIP RAP | [Pattern] |
| MATERIAL STORAGE AREA | [Pattern] |
| HUDSON RIVER DREDGING | [Pattern] |
| EXCAVATION FOR WHARF | [Pattern] |



N:\18641\06 ALBANY PORT EXPANSION\DRAWINGS\DESIGN\GRADING\GR-06.DWG



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PROJECT MILESTONE
FINAL DESIGN PLANS

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CLIENT:
ALBANY PORT DISTRICT COMMISSION

ALBANY, NEW YORK

PROJECT:
PORT OF ALBANY EXPANSION SITE

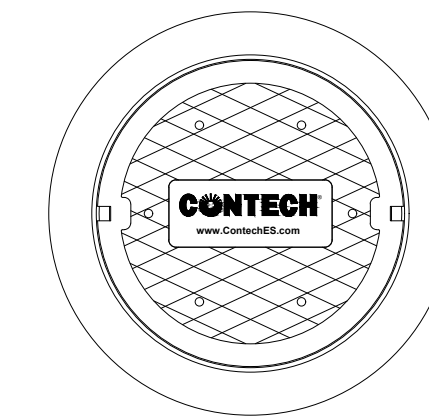
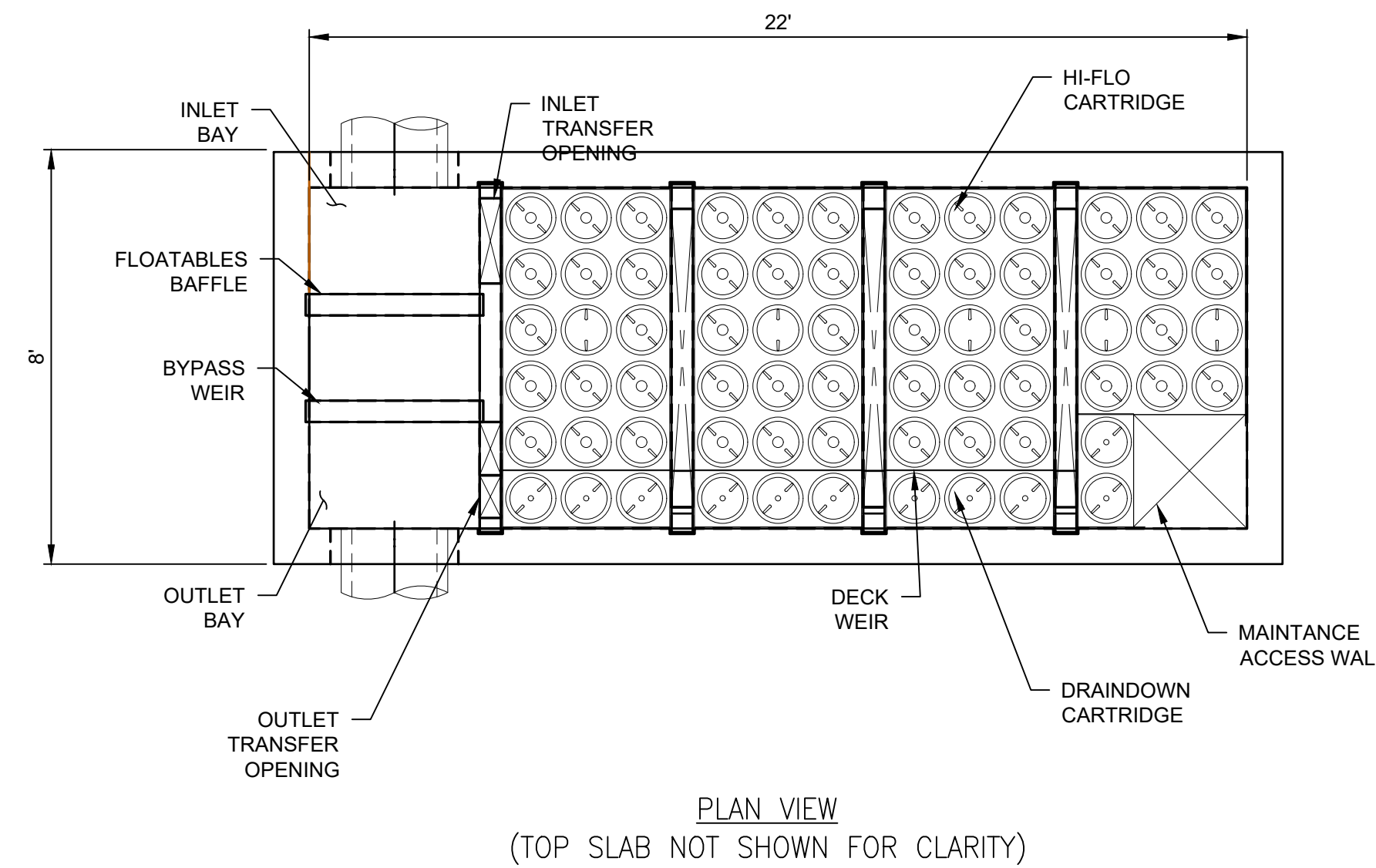
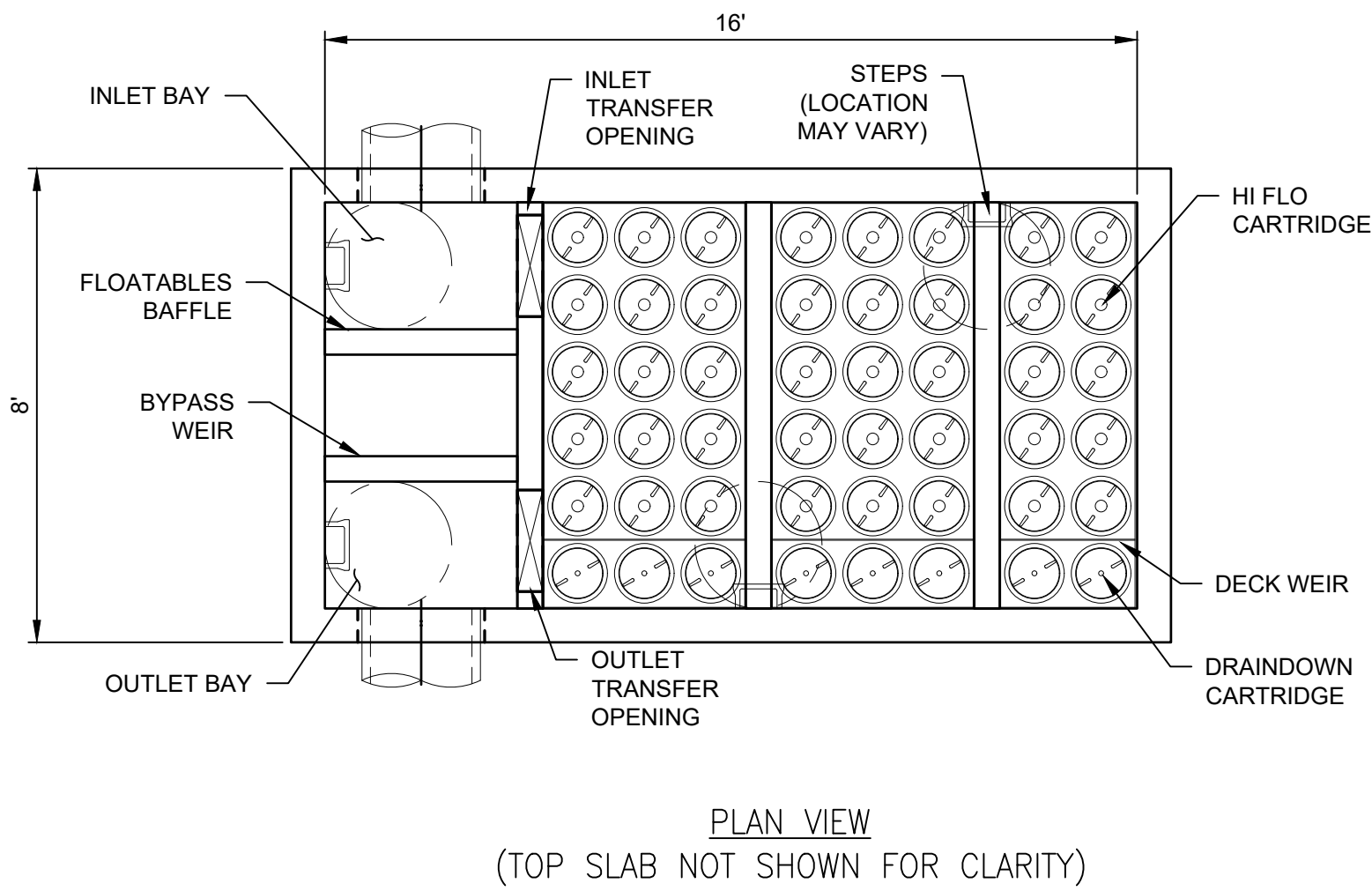
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|----------|--------------|
| DRAWN | JES |
| DESIGNED | NSO |
| CHECKED | AJF |
| SCALE | N.T.S. |
| DATE | JANUARY 2022 |
| PROJECT | 18641.00 |

**FOR REVIEW
 NOT FOR
 CONSTRUCTION**

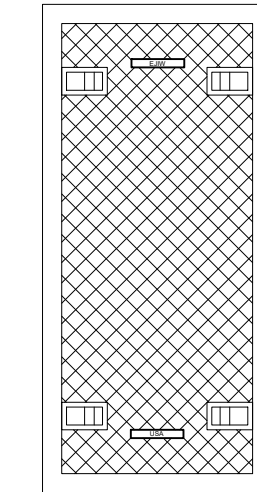
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECT DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY, IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

DRAWING TITLE
DRAINAGE DETAILS

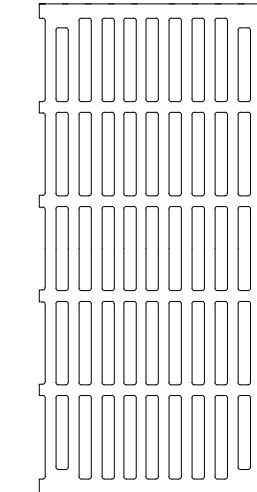
DRAWING NUMBER
GR-13



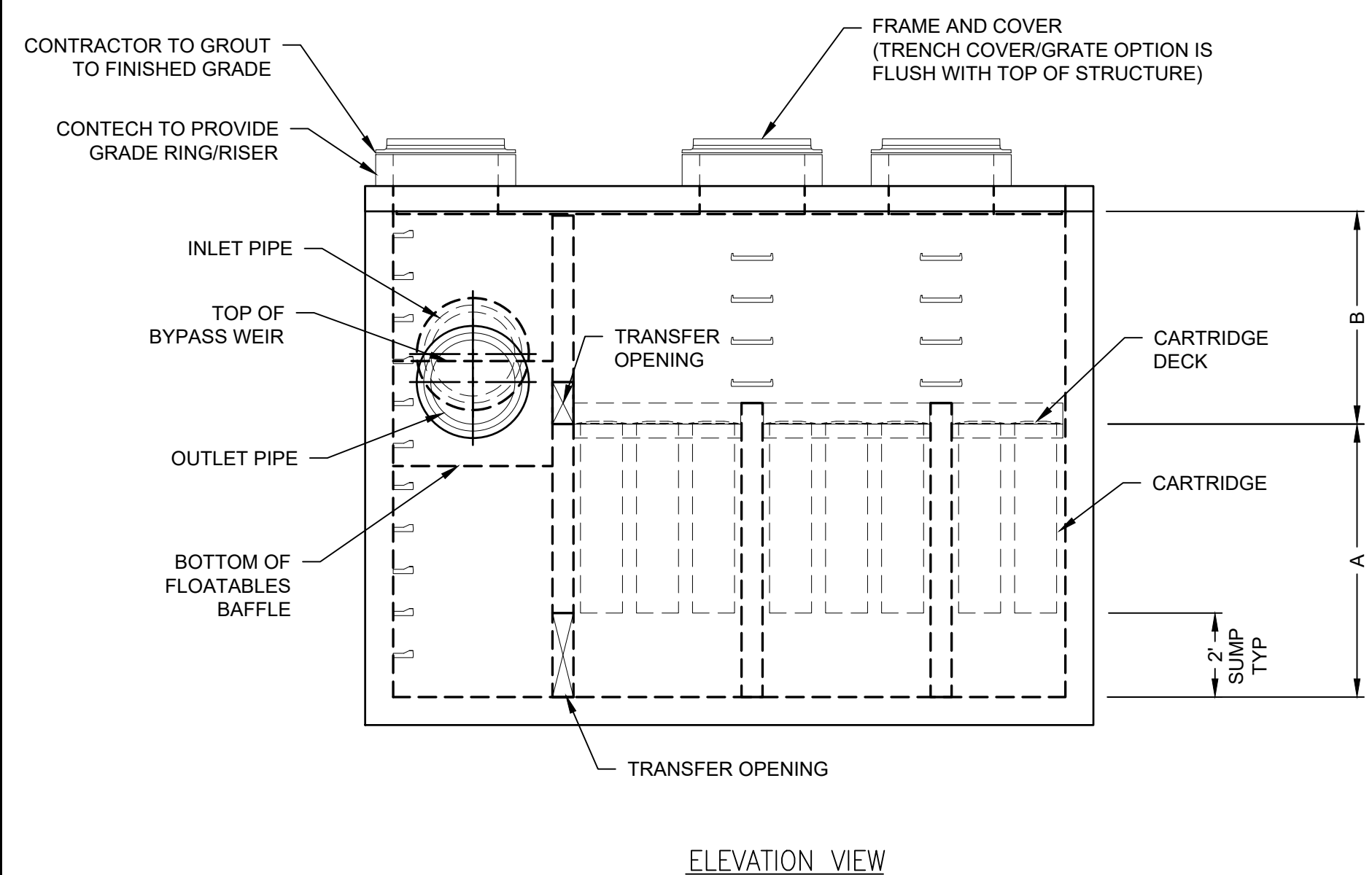
FRAME AND COVER
(DIAMETER VARIES)
N.T.S.



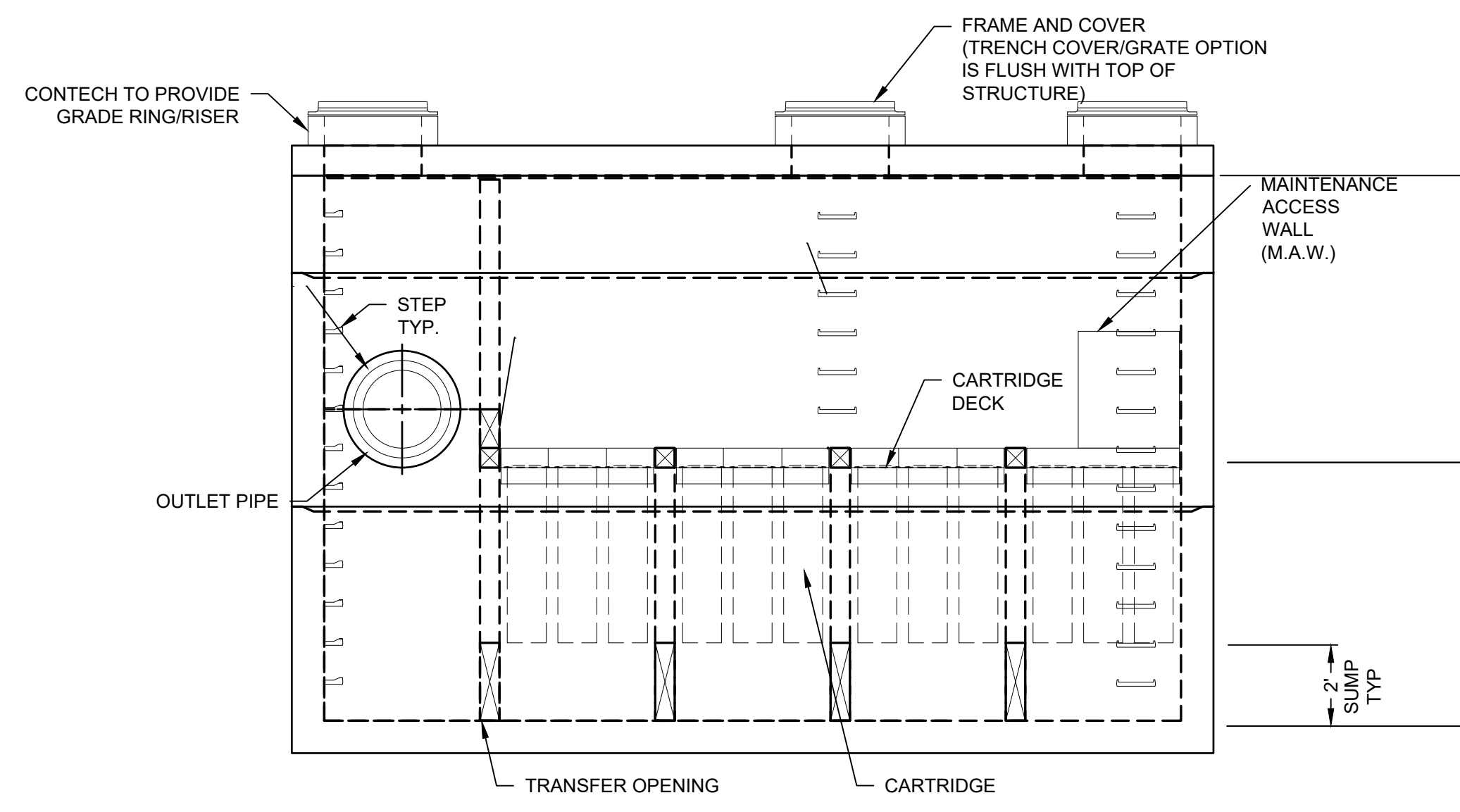
24" TRENCH COVER
(LENGTH VARIES)
N.T.S.



24" TRENCH GRATE
(LENGTH VARIES)
N.T.S.



ELEVATION VIEW



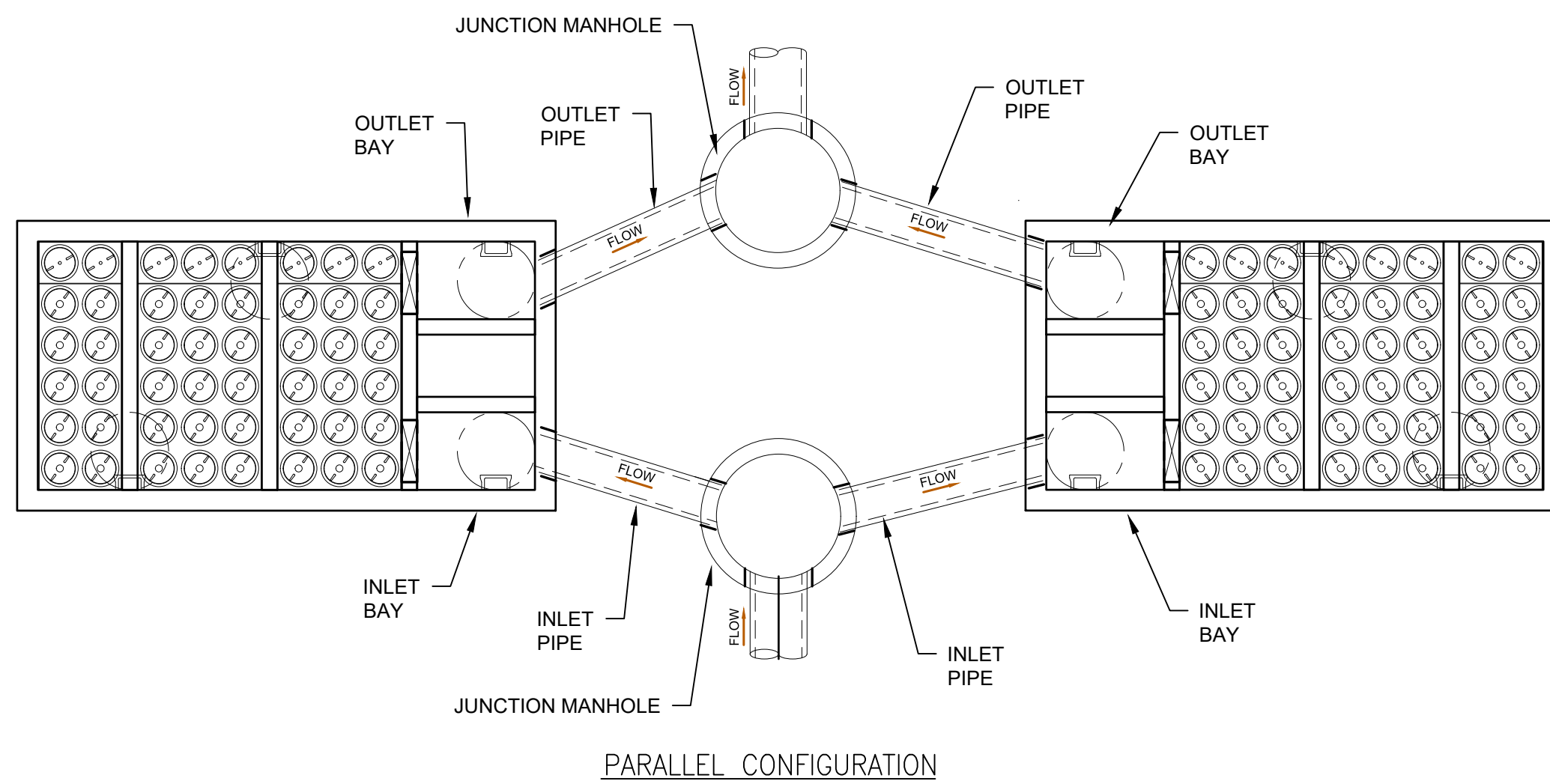
ELEVATION VIEW

| JELLYFISH DESIGN NOTES | | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------|---------------|---------------|
| JELLYFISH TREATMENT CAPACITY IS A FUNCTION OF THE CARTRIDGE LENGTH AND THE NUMBER OF CARTRIDGES. THE STANDARD PEAK DIVERSION STYLE WITH PRECAST TOP SLAB IS SHOWN. ALTERNATE OFFLINE VAULT AND/OR SHALLOW ORIENTATIONS ARE AVAILABLE. PEAK CONVEYANCE PROVIDED IN THE PROJECT'S DRAINAGE DESIGN REPORT FOR EACH STRUCTURE. | | | | |
| CARTRIDGE SELECTION | 54" | 40" | 27" | 15" |
| OUTLET INVERT TO STRUCTURE INVERT (A) | 6'-6" | 5'-4" | 4'-3" | 3'-3" |
| FLOW RATE HI-FLO / DRAINDOWN (CFS) (PER CART) | 0.178 / 0.089 | 0.133 / 0.067 | 0.089 / 0.045 | 0.049 / 0.025 |
| MAX. TREATMENT (CFS) | 7.84 | 5.88 | 3.92 | 2.16 |
| DECK TO INSIDE TOP (MIN) (B) | 5.00 | 4.00 | 4.00 | 4.00 |

STORMWATER FILTER STRUCTURE TYPE 1
(JFPD0816)

| JELLYFISH DESIGN NOTES | | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------|---------------|---------------|
| JELLYFISH TREATMENT CAPACITY IS A FUNCTION OF THE CARTRIDGE LENGTH AND THE NUMBER OF CARTRIDGES. THE STANDARD PEAK DIVERSION STYLE WITH PRECAST TOP SLAB IS SHOWN. ALTERNATE OFFLINE VAULT AND/OR SHALLOW ORIENTATIONS ARE AVAILABLE. PEAK CONVEYANCE PROVIDED IN THE PROJECT'S DRAINAGE DESIGN REPORT FOR EACH STRUCTURE. | | | | |
| CARTRIDGE SELECTION | 54" | 40" | 27" | 15" |
| OUTLET INVERT TO STRUCTURE INVERT (A) | 6'-6" | 5'-4" | 4'-3" | 3'-3" |
| FLOW RATE HI-FLO / DRAINDOWN (CFS) (PER CART) | 0.178 / 0.089 | 0.133 / 0.067 | 0.089 / 0.045 | 0.049 / 0.025 |
| DECK TO INSIDE TOP (MIN) (B) | 5.00 | 4.00 | 4.00 | 4.00 |

STORMWATER FILTER STRUCTURE TYPE 2
(JFPD0822)



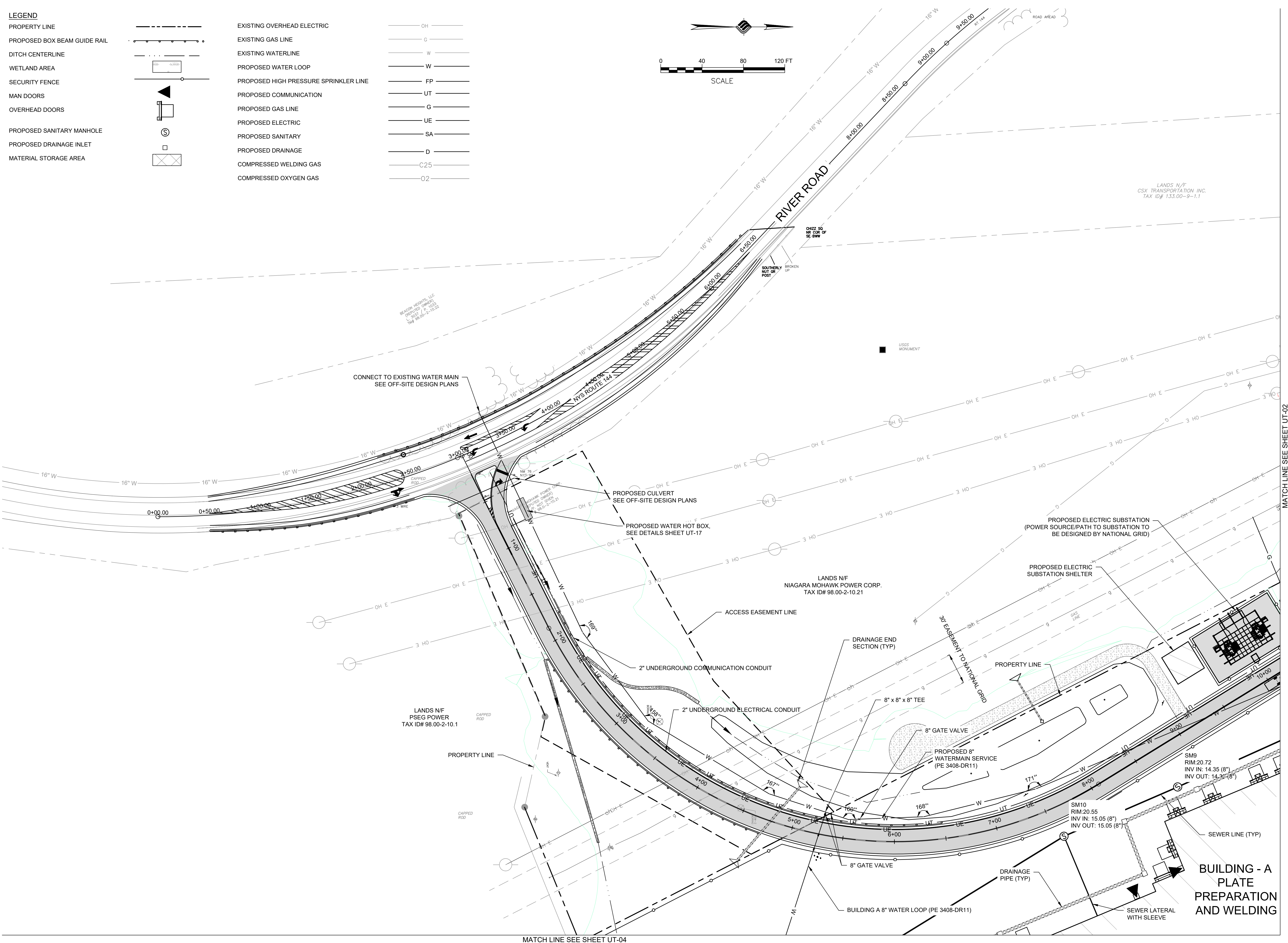
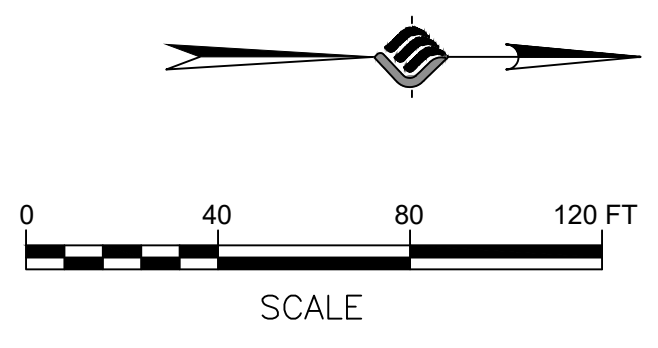
PARALLEL CONFIGURATION

| JELLYFISH STRUCTURE INFORMATION | | | | | | | |
|---------------------------------|----------------|------------------|----------|-----------|------------|----------|----------|
| NO. | STRUCTURE TYPE | DRAINAGE NETWORK | CONFIG. | RIM ELEV. | INV.(S) IN | INV. OUT | INV. OUT |
| J-1 | 2 | 1 | PARALLEL | - | - | - | - |
| J-2 | 2 | 1 | PARALLEL | - | - | - | - |
| J-3 | 2 | 2 | SINGLE | - | - | - | - |
| J-4 | 2 | 3 | PARALLEL | - | - | - | - |
| J-5 | 2 | 3 | PARALLEL | - | - | - | - |
| J-6 | 1 | 4 | PARALLEL | - | - | - | - |
| J-7 | 1 | 4 | PARALLEL | - | - | - | - |
| J-8 | 2 | 5 | SINGLE | - | - | - | - |
| J-9 | 2 | 6 | PARALLEL | - | - | - | - |
| J-10 | 2 | 6 | PARALLEL | - | - | - | - |
| J-11 | 1 | 7 | PARALLEL | - | - | - | - |
| J-12 | 1 | 7 | PARALLEL | - | - | - | - |

STORMWATER FILTER STRUCTURES

LEGEND

| | | | |
|------------------------------|-----------|---------------------------------------|-----|
| PROPERTY LINE | --- | EXISTING OVERHEAD ELECTRIC | OH |
| PROPOSED BOX BEAM GUIDE RAIL | —●—●—●— | EXISTING GAS LINE | G |
| DITCH CENTERLINE | - - - - - | EXISTING WATERLINE | W |
| WETLAND AREA | ▨ | PROPOSED WATER LOOP | W |
| SECURITY FENCE | —○—○—○— | PROPOSED HIGH PRESSURE SPRINKLER LINE | FP |
| MAN DOORS | ▲ | PROPOSED COMMUNICATION | UT |
| OVERHEAD DOORS | ▭ | PROPOSED GAS LINE | G |
| PROPOSED SANITARY MANHOLE | ⊙ | PROPOSED ELECTRIC | UE |
| PROPOSED DRAINAGE INLET | ⊠ | PROPOSED SANITARY | SA |
| MATERIAL STORAGE AREA | ▣ | PROPOSED DRAINAGE | D |
| | | COMPRESSED WELDING GAS | C25 |
| | | COMPRESSED OXYGEN GAS | O2 |



McFarland Johnson
 60 RAILROAD PLACE
 SUITE 402
 SARATOGA SPRINGS, NEW YORK 12866
 P:518-580-9380 F:518-580-9383
 SaratogaROM@mjinc.com

PROJECT MILESTONE
FINAL DESIGN PLANS

| NO. | DATE | DESCRIPTION |
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CLIENT:
ALBANY PORT DISTRICT COMMISSION
 ALBANY, NEW YORK

PROJECT:
PORT OF ALBANY EXPANSION SITE

| | |
|----------|--------------|
| DRAWN | JES |
| DESIGNED | NSO |
| CHECKED | AJF |
| SCALE | 1"=40' |
| DATE | JANUARY 2022 |
| PROJECT | 18641.00 |

**FOR REVIEW
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 CONSTRUCTION**

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DRAWING TITLE
UTILITY PLAN

DRAWING NUMBER
UT-01



McFarland Johnson
 60 RAILROAD PLACE
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 SaratogaROM@mjinc.com

PROJECT MILESTONE
FINAL DESIGN PLANS

| NO. | DATE | DESCRIPTION |
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CLIENT:
ALBANY PORT DISTRICT COMMISSION
 ALBANY, NEW YORK

PROJECT:
PORT OF ALBANY EXPANSION SITE

| | |
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| DRAWN | JES |
| DESIGNED | NSO |
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| SCALE | 1"=40' |
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DRAWING TITLE
UTILITY PLAN

DRAWING NUMBER
UT-04

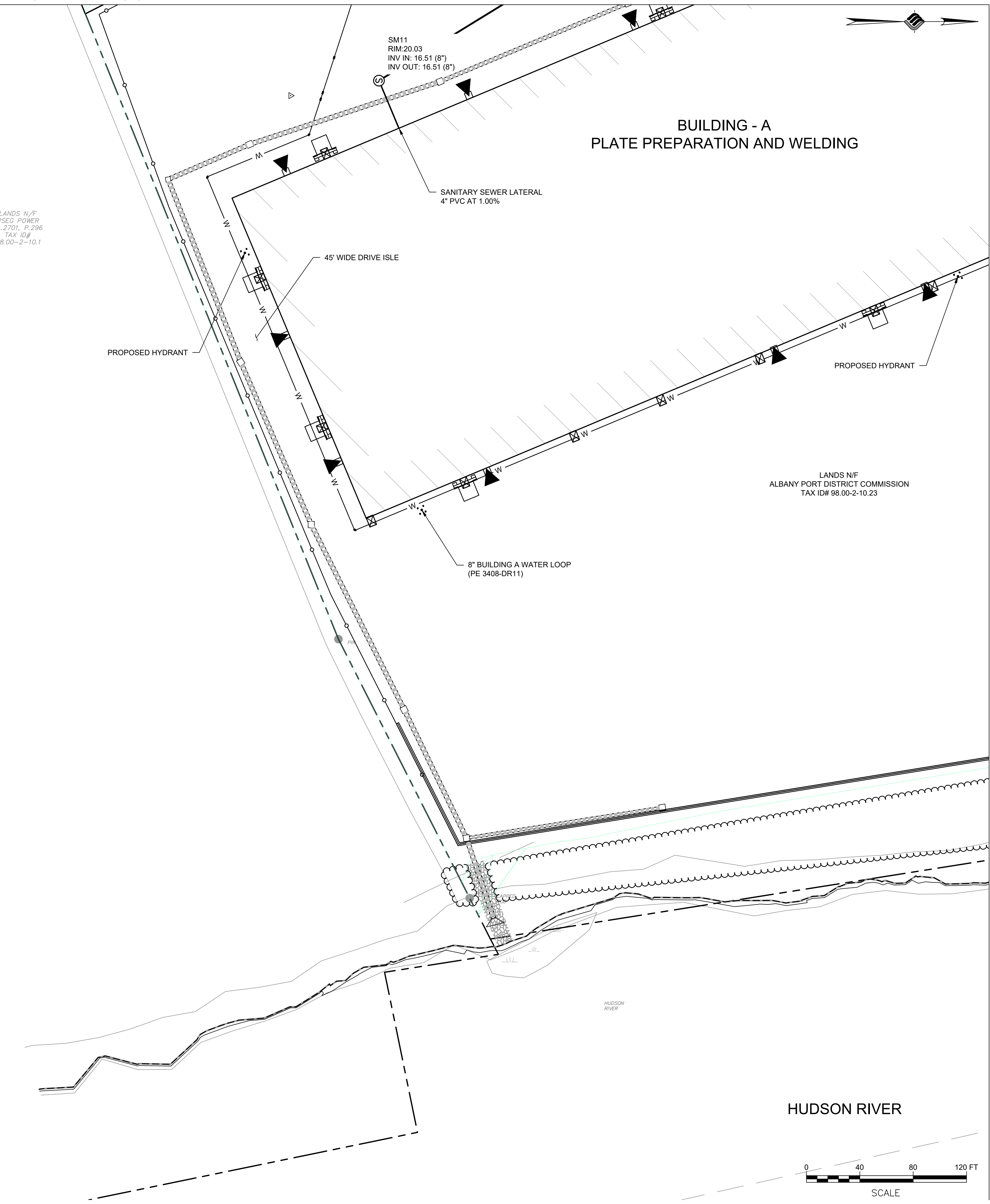
37 OF 62

MATCH LINE SEE SHEET UT-01

LANDS N/F
 PSEG POWER
 L.2701, P.296
 TAX ID#
 98.00-2-10.1

LANDS N/F
 ALBANY PORT DISTRICT COMMISSION
 TAX ID# 98.00-2-10.23

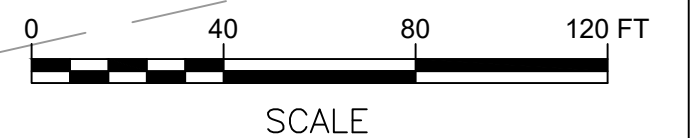
**BUILDING - A
 PLATE PREPARATION AND WELDING**



LEGEND

| | | | |
|------------------------------|--|---------------------------------------|--|
| PROPERTY LINE | | EXISTING OVERHEAD ELECTRIC | |
| PROPOSED BOX BEAM GUIDE RAIL | | EXISTING GAS LINE | |
| DITCH CENTERLINE | | EXISTING WATERLINE | |
| WETLAND AREA | | PROPOSED WATER LOOP | |
| SECURITY FENCE | | PROPOSED HIGH PRESSURE SPRINKLER LINE | |
| MAN DOORS | | PROPOSED COMMUNICATION | |
| OVERHEAD DOORS | | PROPOSED GAS LINE | |
| PROPOSED SANITARY MANHOLE | | PROPOSED ELECTRIC | |
| PROPOSED DRAINAGE INLET | | PROPOSED SANITARY | |
| MATERIAL STORAGE AREA | | PROPOSED DRAINAGE | |
| | | COMPRESSED WELDING GAS | |
| | | COMPRESSED OXYGEN GAS | |

HUDSON RIVER



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 SaratogaROM@mjinc.com

PROJECT MILESTONE
FINAL DESIGN PLANS

| NO. | DATE | DESCRIPTION |
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CLIENT:
ALBANY PORT DISTRICT COMMISSION
 ALBANY, NEW YORK

PROJECT:
PORT OF ALBANY EXPANSION SITE

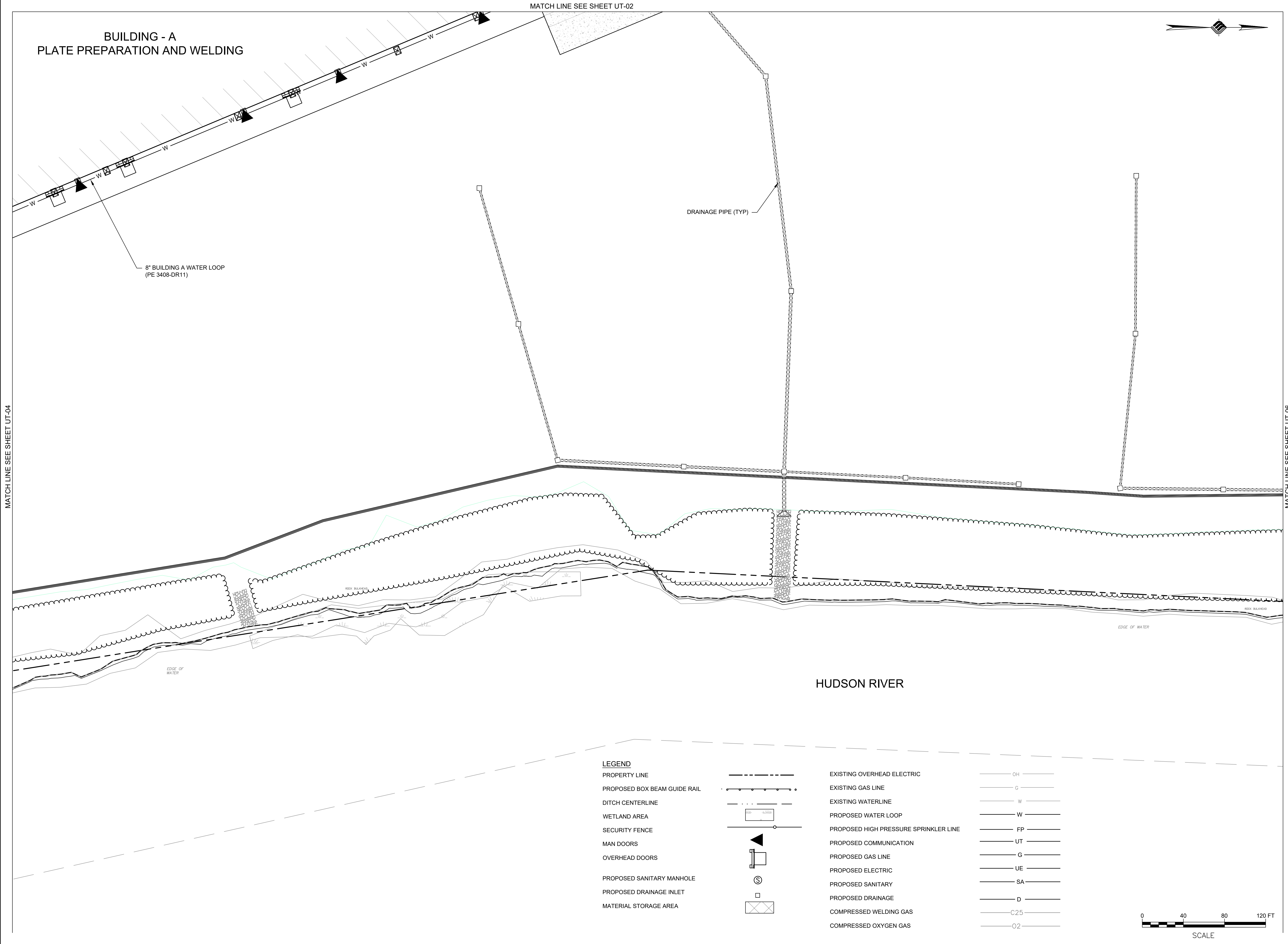
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| DRAWN | JES |
| DESIGNED | NSO |
| CHECKED | AJF |
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DRAWING TITLE
UTILITY PLAN

DRAWING NUMBER
UT-05
 38 OF 62



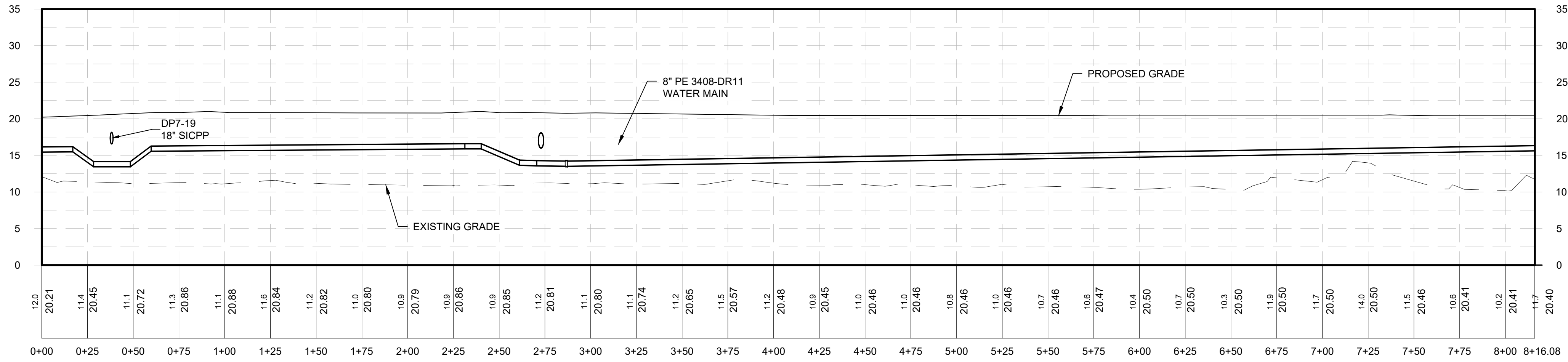
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WATER LOOP AROUND BLDG C
 Horizontal Scale: 1" = 40'
 Vertical Scale: 1" = 10'

CLIENT:
ALBANY PORT DISTRICT COMMISSION

ALBANY, NEW YORK

PROJECT:
PORT OF ALBANY EXPANSION SITE

| | |
|----------|--------------|
| DRAWN | JES |
| DESIGNED | NSO |
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DRAWING TITLE
**WATER SYSTEM
 PROFILE**

DRAWING NUMBER
UT-11



McFarland Johnson

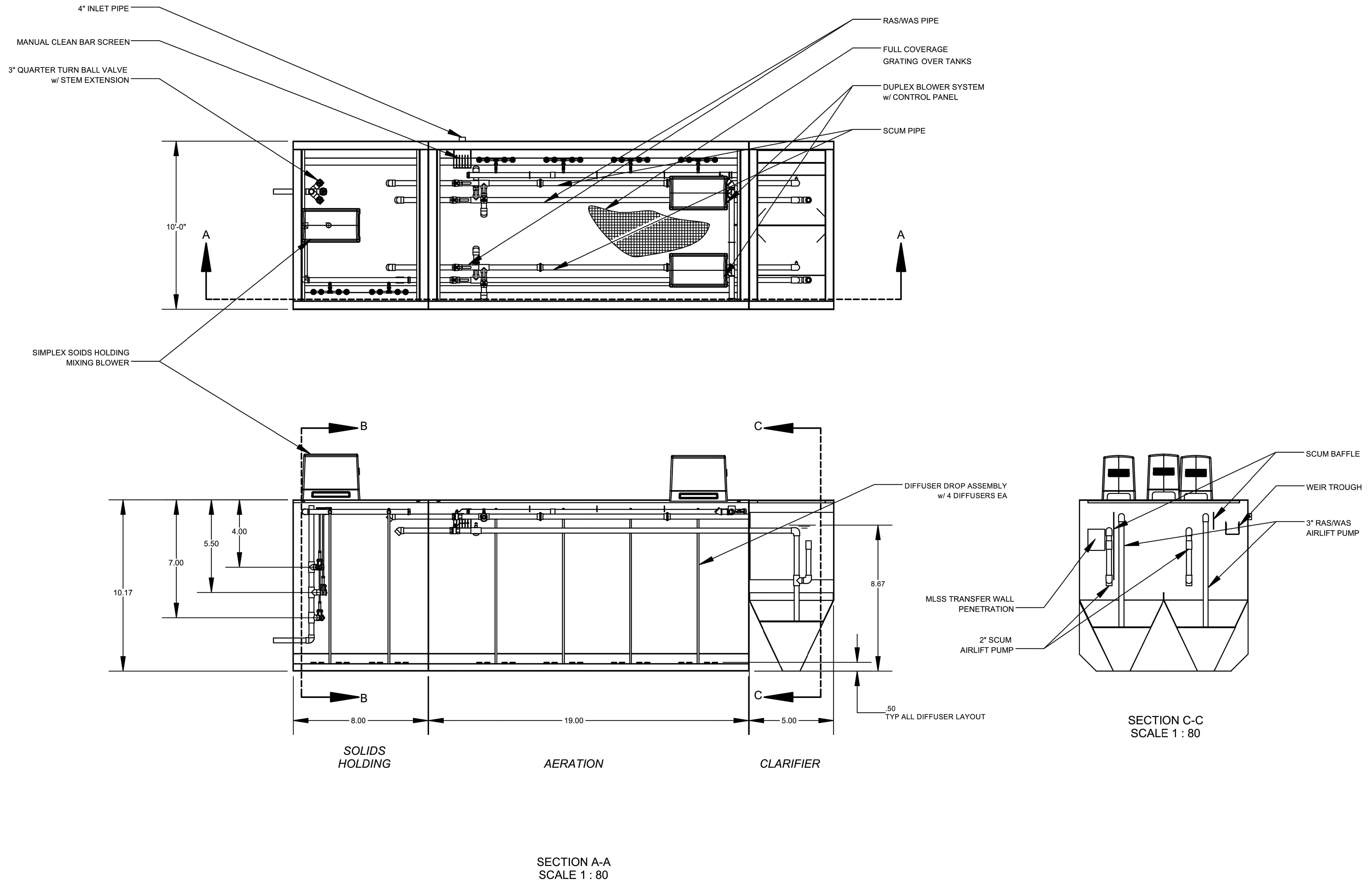
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GENERAL ARRANGEMENT NOTES

1. THESE DRAWINGS DEPICT PRELIMINARY LAYOUT(S) OF A WASTEWATER TREATMENT SYSTEM CAPABLE OF TREATING THE DESIGN AVERAGE INFLUENT FLOW AND LOAD TO THE EFFLUENT WATER QUALITY DENOTED IN THE WASTELoad SUMMARY.
2. THE EQUIPMENT ARRANGEMENT LAYOUT IS SCHEMATIC IN NATURE AND SOME OBJECTS MAY NOT BE DRAWN TO SCALE. REFER TO THE ENGINEER-OF-RECORD PROJECT DOCUMENTS FOR FINAL SITE AND/OR EQUIPMENT ARRANGEMENT.
3. ALL REACTORS SHALL BE CONSTRUCTED OF A36 CARBON STEEL, MINIMUM 1/4" THICKNESS, REINFORCED PRECAST CONCRETE PER ASTM C913, OR CAST-IN-PLACE CONCRETE PER ENGINEER-OF-RECORD REQUIREMENTS.
4. BLOWERS, WEIRS, CONTROL PANELS, AND VARIOUS SMALL PARTS SHALL BE SHIPPED UNASSEMBLED AND SECURELY PACKAGED, TO BE INSTALLED BY CONTRACTOR. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR ADDITIONAL DETAIL.
5. CONTRACTOR TO PROVIDE AND INSTALL ALL FIELD PIPING AND SECURE ALL EQUIPMENT CONNECTIONS AS SHOWN IN THE ENGINEER OF RECORD'S PROJECT DOCUMENTS.
6. REACTORS AND INTERNAL DEVICES SHALL BE INSTALLED PLUMB AND LEVEL.



SANITARY PACKAGE TREATMENT PLANT - GENERAL ARRANGEMENT

CLIENT:
ALBANY PORT DISTRICT COMMISSION
ALBANY, NEW YORK

PROJECT:
PORT OF ALBANY EXPANSION SITE

| | |
|----------|--------------|
| DRAWN | JES |
| DESIGNED | NSO |
| CHECKED | AJF |
| SCALE | 1"=40' |
| DATE | JANUARY 2022 |
| PROJECT | 18641.00 |

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CONSTRUCTION**

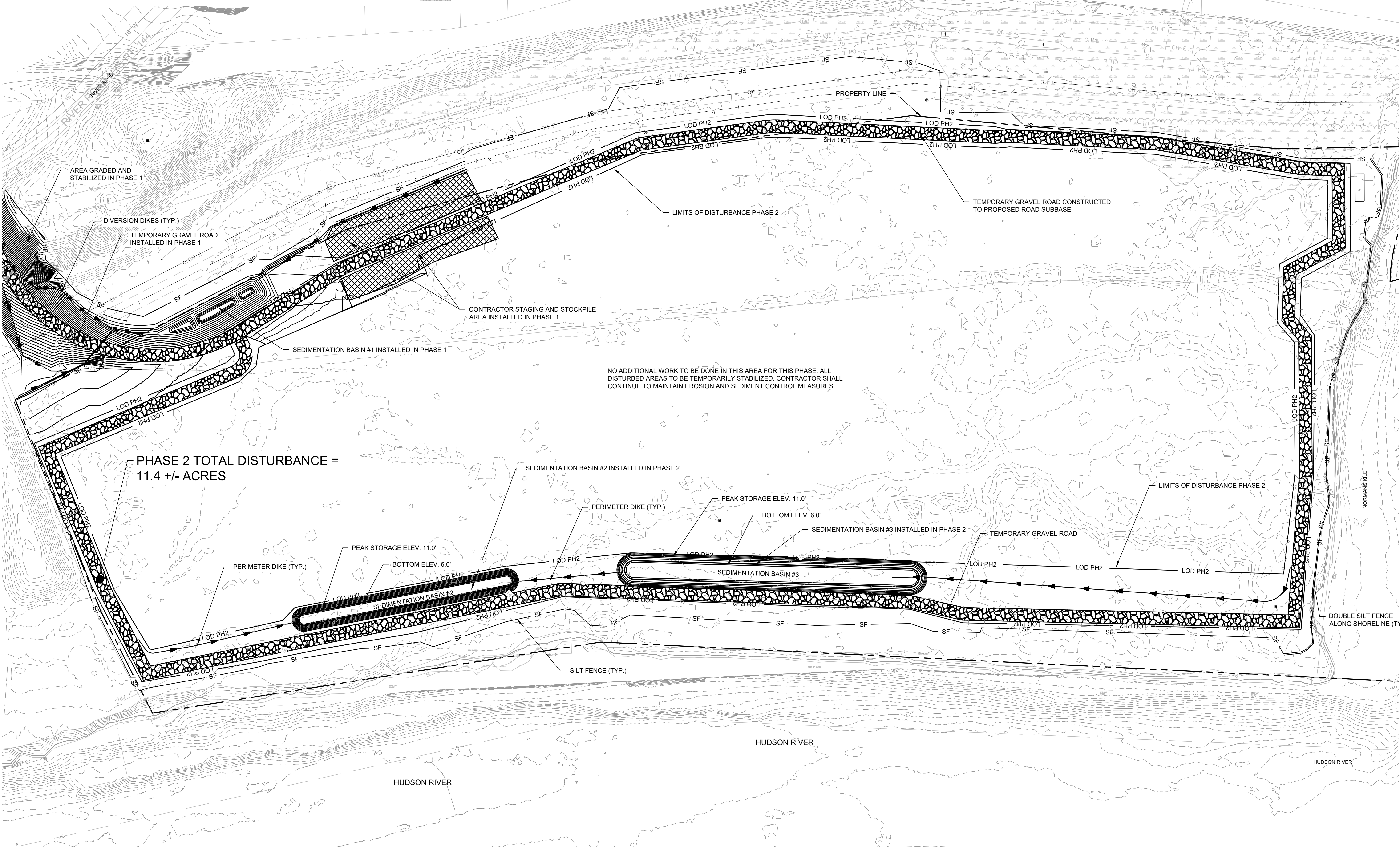
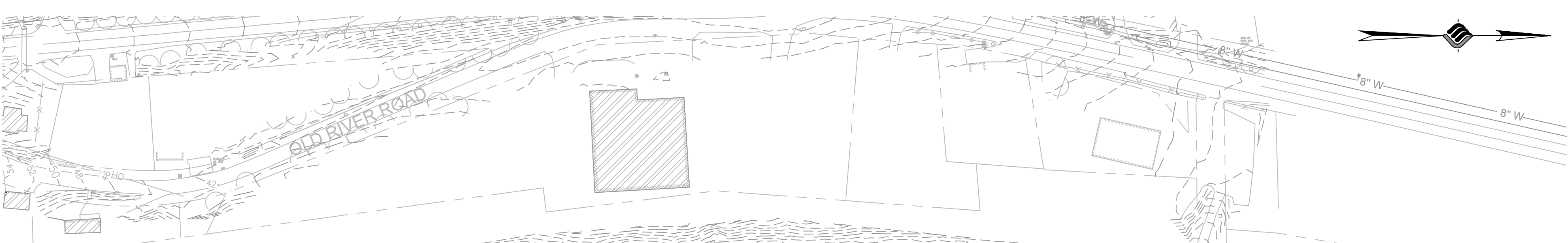
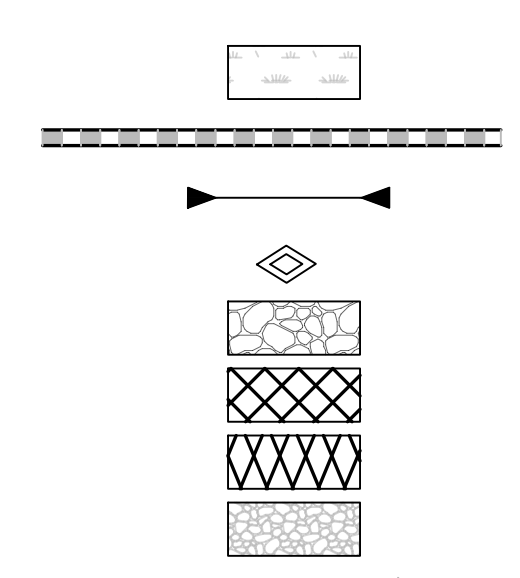
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DRAWING TITLE
**SANITARY SYSTEM
DETAILS**

DRAWING NUMBER
UT-15

- LEGEND**
- PROPERTY LINE
 - BUILDING SETBACK
 - LIMIT OF DISTURBANCE
 - SILT FENCE
 - EXISTING CONTOUR
 - PROPOSED CONTOUR
 - DIVERSION DIKE

- WETLAND AREA
- PROPOSED DRAINAGE PIPE
- TEMPORARY CULVERT
- STONE CHECK DAM
- TEMPORARY GRAVEL ROAD
- STAGING AND STOCKPILE AREA
- CONSTRUCTION ENTRANCE
- PROPOSED RIP RAP



PHASE 2 TOTAL DISTURBANCE = 11.4 +/- ACRES

NO ADDITIONAL WORK TO BE DONE IN THIS AREA FOR THIS PHASE. ALL DISTURBED AREAS TO BE TEMPORARILY STABILIZED. CONTRACTOR SHALL CONTINUE TO MAINTAIN EROSION AND SEDIMENT CONTROL MEASURES

| NO. | DATE | DESCRIPTION |
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CLIENT: **ALBANY PORT DISTRICT COMMISSION**
 ALBANY, NEW YORK
 PROJECT: **PORT OF ALBANY EXPANSION SITE**

| | |
|----------|--------------|
| DRAWN | JES |
| DESIGNED | NSO |
| CHECKED | AJF |
| SCALE | 1"=100' |
| DATE | JANUARY 2022 |
| PROJECT | 18641.00 |

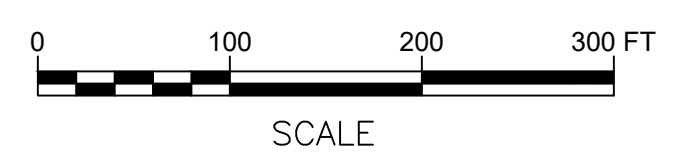
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DRAWING TITLE
EROSION & SEDIMENT CONTROL PLAN-PH.2

DRAWING NUMBER
ESC-02

NOTE:
 SEE SHEET ESC-05 FOR EROSION AND SEDIMENT CONTROL NOTES.



N:\18641.00 ALBANY PORT EXPANSION\DRAWINGS\ESC\ESC-PH2.DWG



McFarland Johnson
 60 RAILROAD PLACE
 SUITE 402
 SARATOGA SPRINGS, NEW YORK 12866
 P: 518-580-9380 F: 518-580-9383
 SaratogaROM@mjinc.com

PROJECT MILESTONE
FINAL DESIGN PLANS

| NO. | DATE | DESCRIPTION |
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CLIENT:
ALBANY PORT DISTRICT COMMISSION
 ALBANY, NEW YORK

PROJECT:
PORT OF ALBANY EXPANSION SITE

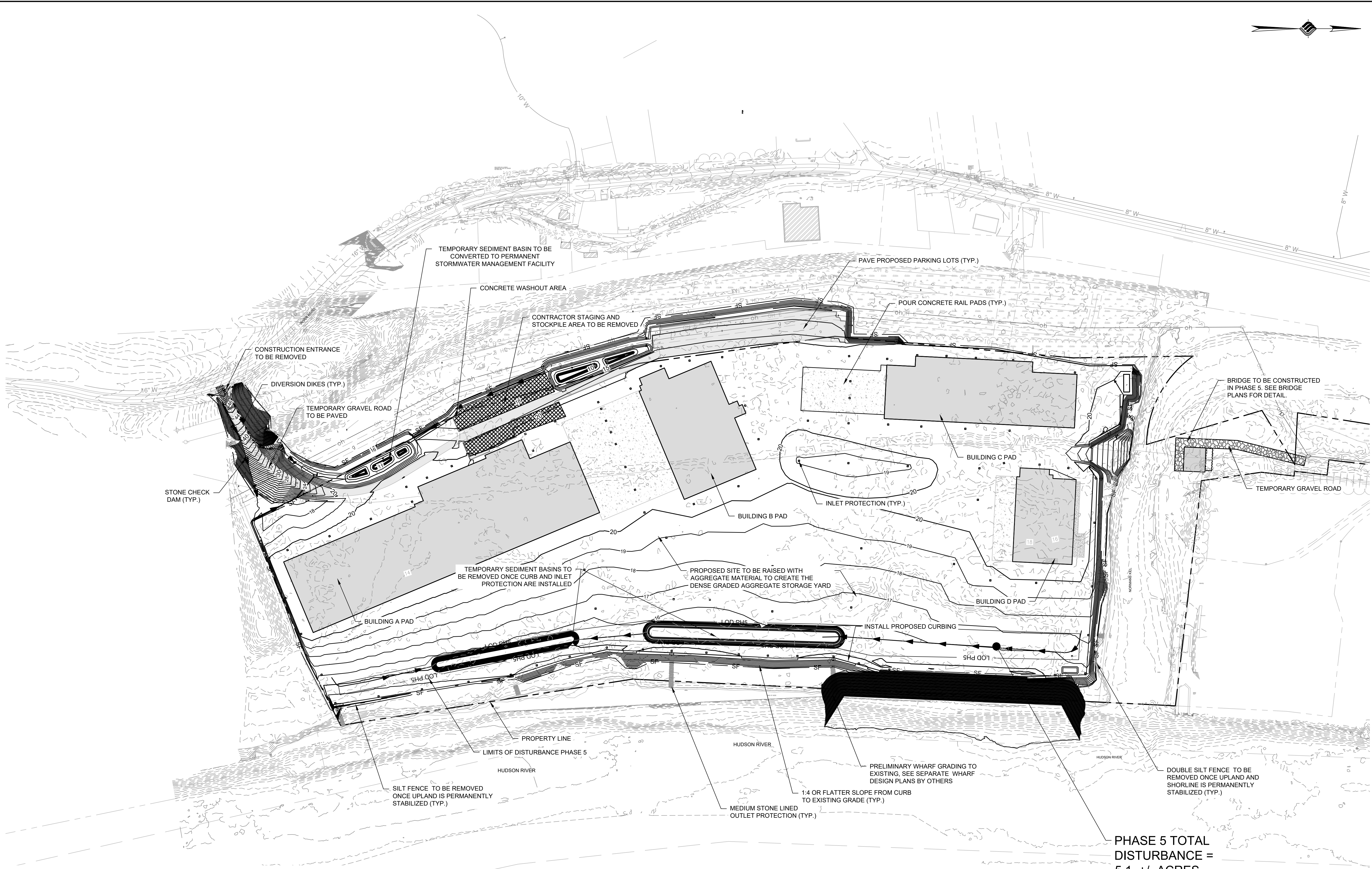
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|----------|--------------|
| DRAWN | JES |
| DESIGNED | NSO |
| CHECKED | AJF |
| SCALE | 1"=150' |
| DATE | JANUARY 2022 |
| PROJECT | 18641.00 |

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DRAWING TITLE
EROSION & SEDIMENT CONTROL PLAN-PH.5

DRAWING NUMBER
ESC-05



LEGEND

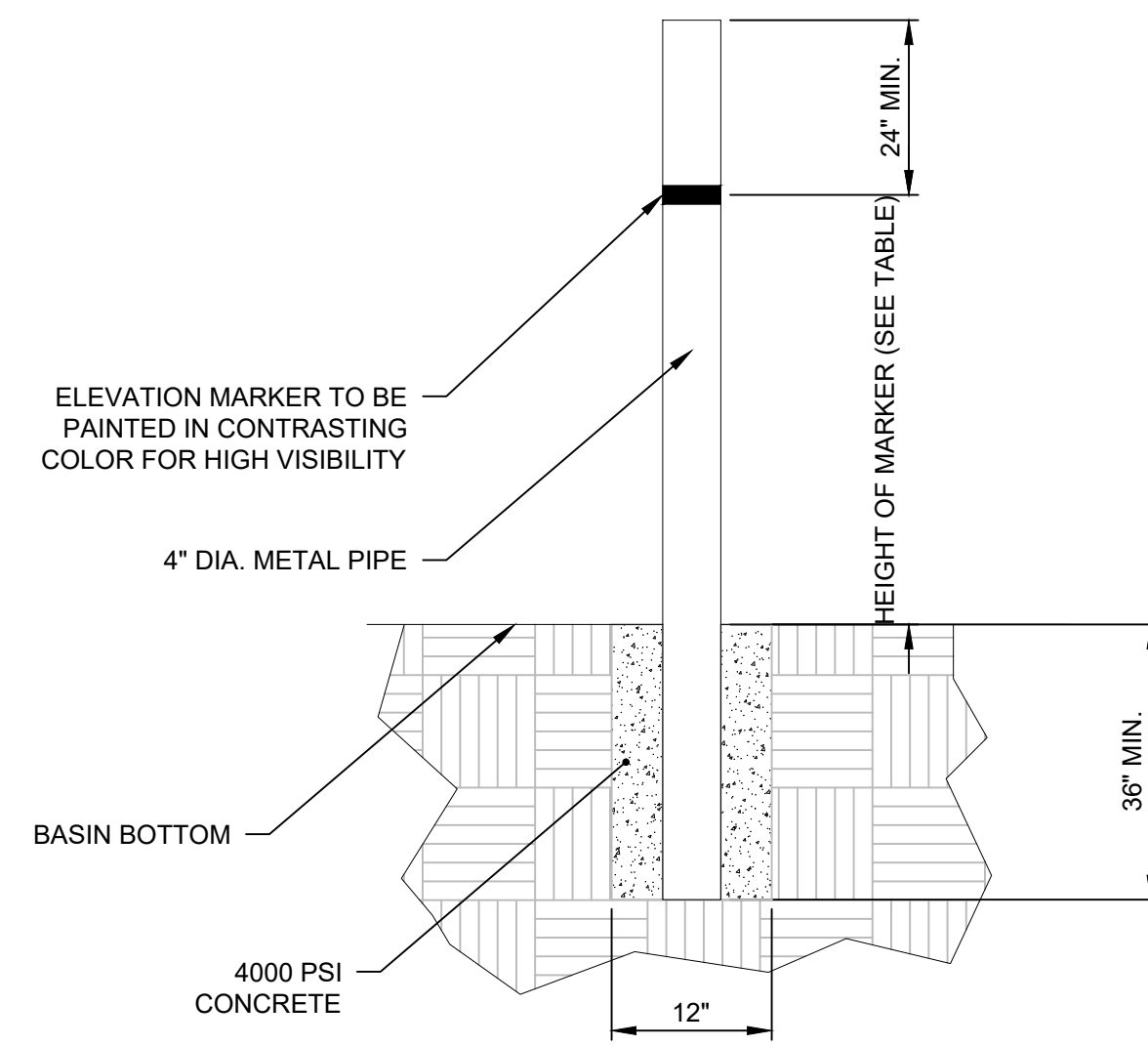
| | | | |
|----------------------|-------|----------------------------|-------|
| PROPERTY LINE | ----- | WETLAND AREA | |
| BUILDING SETBACK | ----- | PROPOSED DRAINAGE PIPE | ----- |
| LIMIT OF DISTURBANCE | LOD | TEMPORARY CULVERT | ----- |
| SILT FENCE | SF | STONE CHECK DAM | |
| EXISTING CONTOUR | 12 | TEMPORARY GRAVEL ROAD | ----- |
| PROPOSED CONTOUR | 12 | STAGING AND STOCKPILE AREA | |
| DIVERSION DIKE | ----- | CONSTRUCTION ENTRANCE | ----- |
| | | PROPOSED RIP RAP | |

NOTE:
 SEE SHEET ESC-05 FOR EROSION AND SEDIMENT CONTROL NOTES.

**PHASE 5 TOTAL
 DISTURBANCE =
 5.1 +/- ACRES**

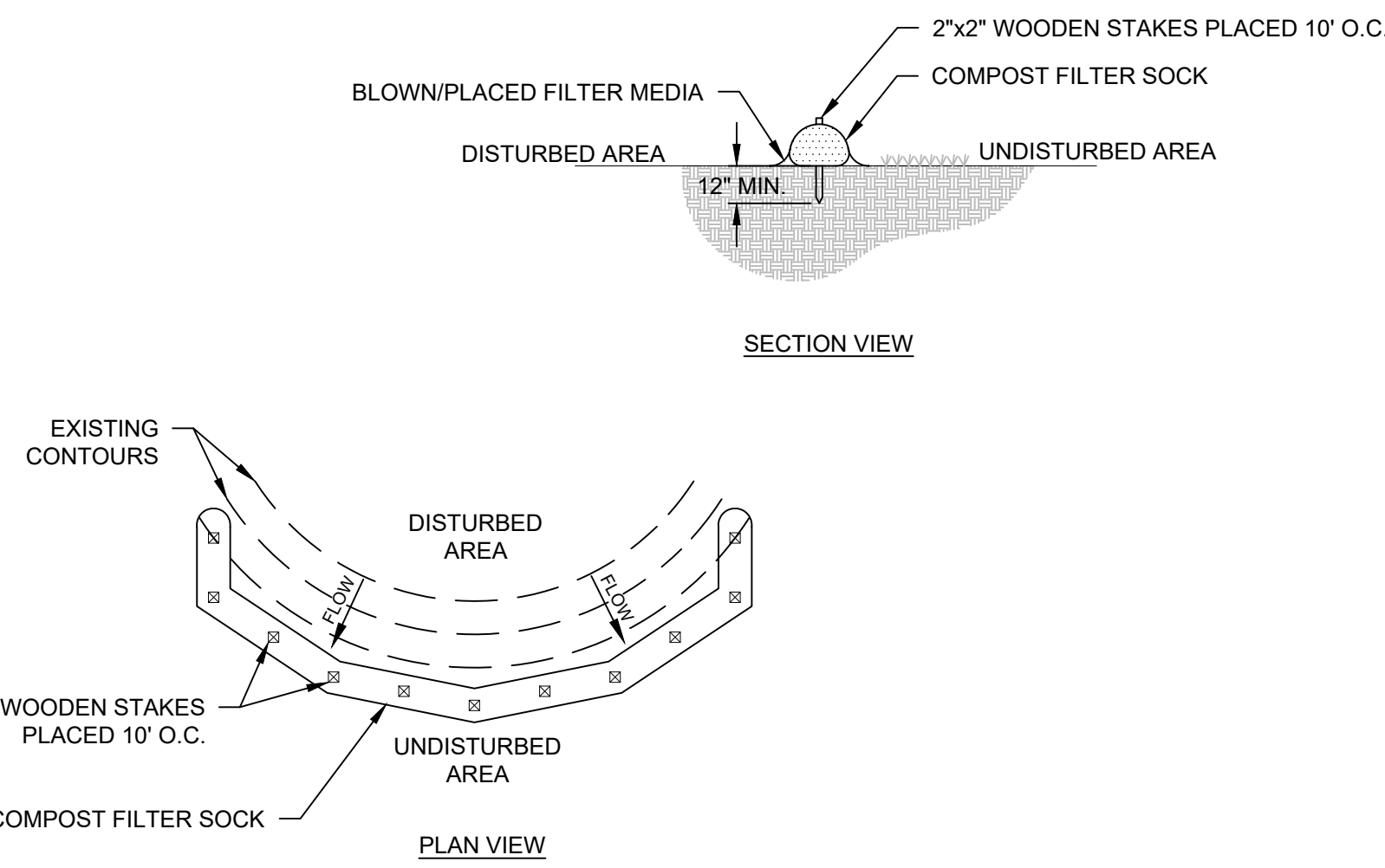


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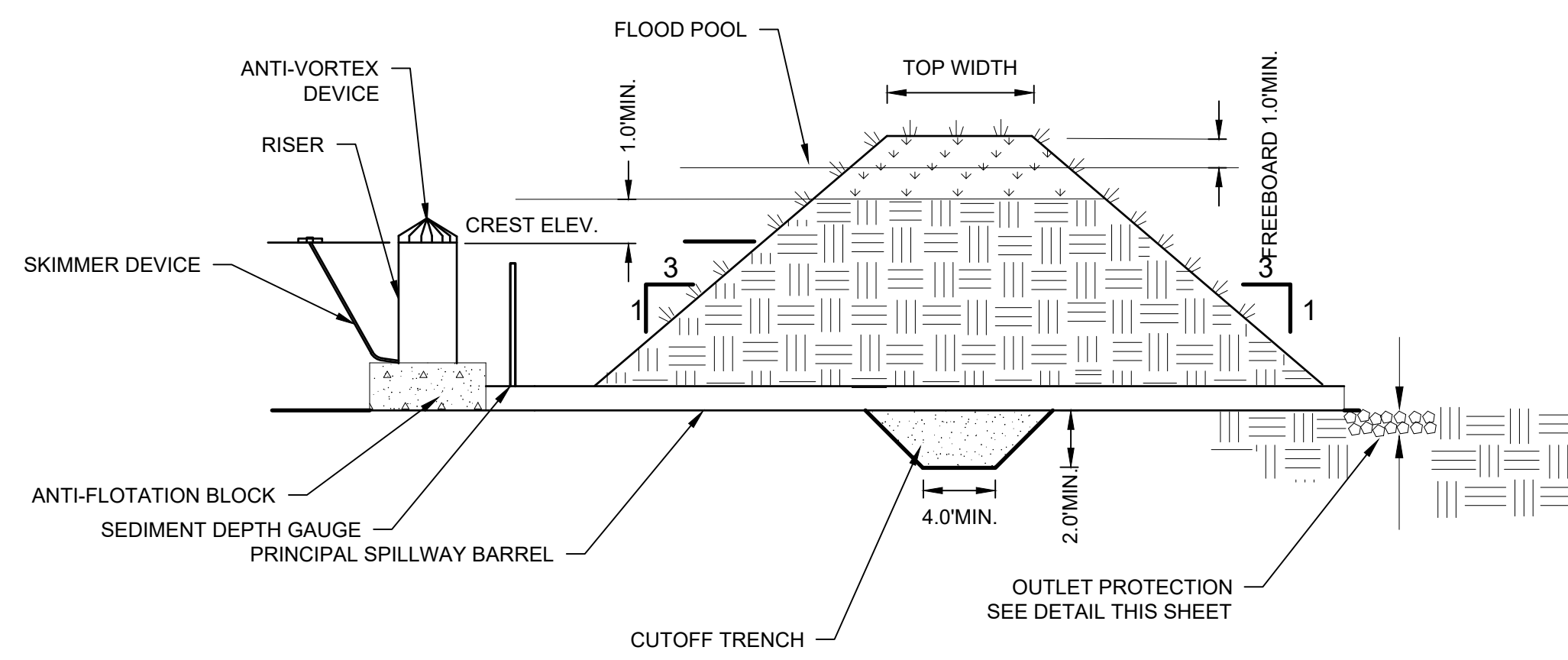
- NOTES:**
- CONTRACTOR SHALL PLACE A 4" DIA. METAL PIPE AT A MINIMUM OF 36" BELOW THE BASIN BOTTOM ELEVATION ENCASED IN 12" OF 4000 PSI CONCRETE.
 - CONTRACTOR SHALL MARK THE CORRESPONDING ELEVATION FOR SEDIMENT STORAGE CLEANOUT ON THE PVC PIPE TO INDICATE WHEN MAINTENANCE IS REQUIRED.
 - SEDIMENT DEPTH GAUGE REQUIRED FOR SEDIMENT BASINS, FOREBAYS, AND INFILTRATION BASINS.

SEDIMENT DEPTH GAUGE



- NOTES:**
- SOCK FABRIC SHALL MEET STANDARDS OF TABLE 5.1 OF NYS STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL. COMPOST SHALL MEET THE STANDARDS LISTED ON TABLE 5.2 OF NYS STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.
 - COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE SOCK SHALL BE EXTENDED AT LEAST 8 FEET UP SLOPE AT 45° TO THE MAIN SOCK ALIGNMENT. MAXIMUM SLOPE LENGTH ABOVE ANY SOCK SHALL NOT EXCEED THAT SHOWN ON FIGURE X.X OF NYS STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL. STAKES MAY BE INSTALLED IMMEDIATELY DOWNSLOPE OF THE SOCK IF SO SPECIFIED BY THE MANUFACTURER.
 - TRAFFIC SHALL NOT BE PERMITTED TO CROSS FILTER SOCKS.
 - ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES HALF THE ABOVEGROUND HEIGHT OF THE SOCK AND DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE PLAN.
 - SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION.
 - BIODEGRADABLE FILTER SOCKS SHALL BE REPLACED AFTER 6 MONTHS; PHOTODEGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
 - UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCKS, STAKES SHALL BE REMOVED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE, THE MESH SHALL BE CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT.

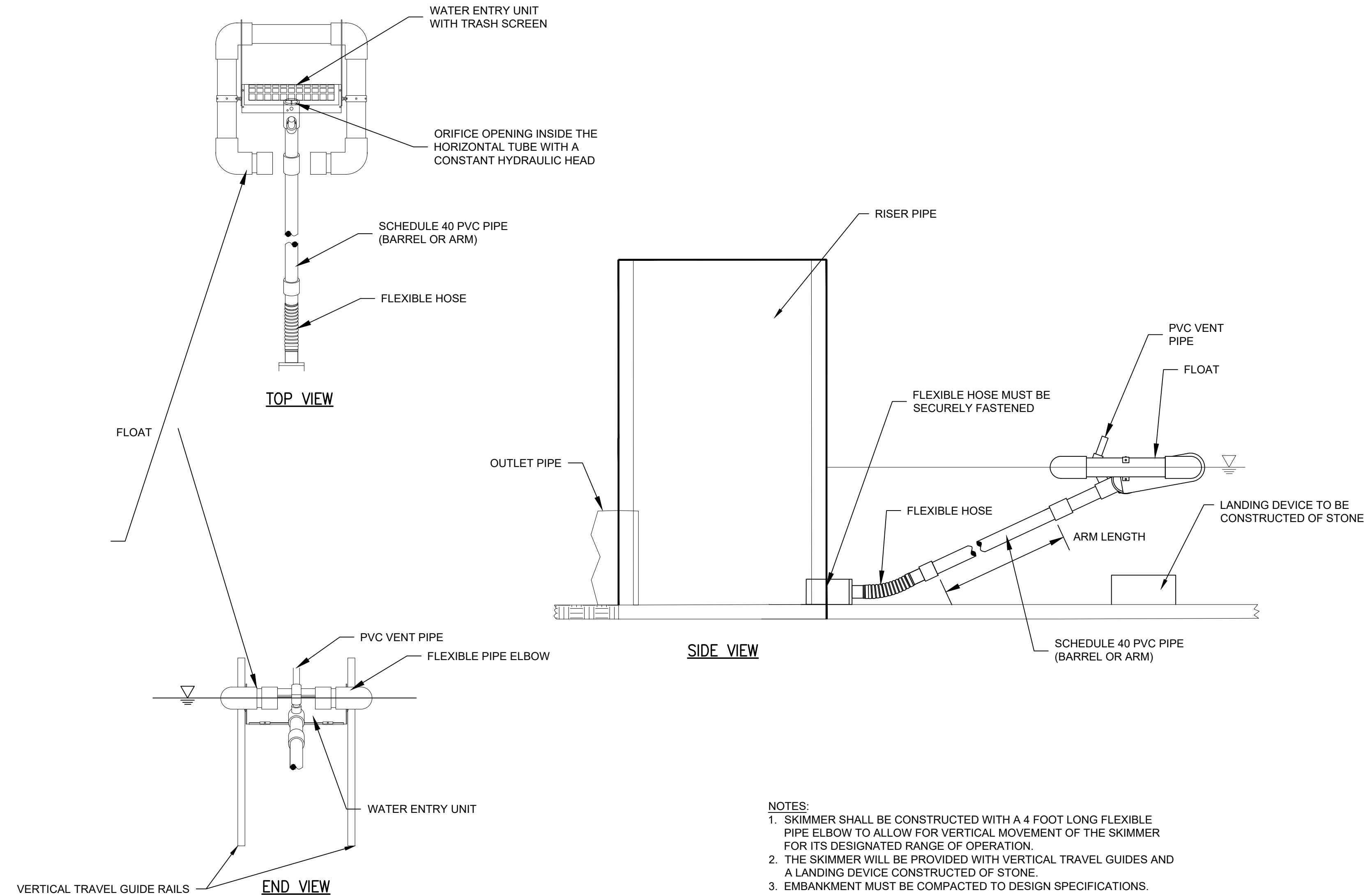
COMPOST FILTER SOCK



| SEDIMENT BASIN CHART | | | | | | | | | | | |
|----------------------|-------------------|-----------------------|-------------------------|---------------|------------------------------------------|---------------------------------------------|----------------------------------|------------------------------------|---------------------------------------|----------------------------|--------------------------|
| BASIN NUMBER | BOTTOM ELEV. (FT) | TOP OF DAM ELEV. (FT) | TOP OF RISER ELEV. (FT) | INV. OUT (FT) | SEDIMENT STORAGE ZONE VOLUME REQ'D (FT³) | SEDIMENT STORAGE ZONE VOLUME PROVIDED (FT³) | SEDIMENT STORAGE ZONE ELEV. (FT) | DEWATERING ZONE VOLUME REQ'D (FT³) | DEWATERING ZONE VOLUME PROVIDED (FT³) | DEWATERING ZONE ELEV. (FT) | CLEANOUT ELEVATION (FT.) |
| 1 | 10 | 14 | - | - | 5300 | 5300 | - | 19080 | 19080 | - | - |
| 2 | 6 | 14 | 11 | 6.5 | 15200 | 16370 | 7.5 | 54720 | 55416 | 11 | 6.75 |
| 3 | 6 | 14 | 11 | 6.5 | 33000 | 36859 | 7.5 | 118800 | 119226 | 11 | 6.75 |

- NOTES:**
- TEMPORARY SEDIMENT BASIN 1 CALCULATIONS HAVE BEEN SHOWN FOR CAPACITY VERIFICATION ONLY.
 - BASIN 1 WILL BE GRADED OUT PER WOV POND DETAIL ON SHEET GR-14. ALL OUTLET STRUCTURES ARE TO BE COVERED WITH FILTER FABRIC DURING CONSTRUCTION. EXCAVATION OF BASIN 1 TO FINAL GRADE ELEVATIONS SHALL OCCUR ONCE FINAL STABILIZATION HAS BEEN REACHED.

TEMPORARY SEDIMENT BASIN



- NOTES:**
- SKIMMER SHALL BE CONSTRUCTED WITH A 4 FOOT LONG FLEXIBLE PIPE ELBOW TO ALLOW FOR VERTICAL MOVEMENT OF THE SKIMMER FOR ITS DESIGNATED RANGE OF OPERATION.
 - THE SKIMMER WILL BE PROVIDED WITH VERTICAL TRAVEL GUIDES AND A LANDING DEVICE CONSTRUCTED OF STONE.
 - EMBANKMENT MUST BE COMPACTED TO DESIGN SPECIFICATIONS.
 - EROSION PROTECTION MUST BE INSTALLED ALONG THE EMBANKMENT AND AT THE DISCHARGE END OF THE PIPE.
 - INSPECT SYSTEM REGULARLY TO ENSURE IT IS FUNCTIONING IN A CORRECT MANNER.

SKIMMER DEWATERING DEVICE DETAILS



McFarland Johnson
60 RAILROAD PLACE
SUITE 402
SARATOGA SPRINGS, NEW YORK 12866
P: 518-580-9380 F: 518-580-9383
SaratogaROM@mjinc.com

PROJECT MILESTONE
FINAL DESIGN PLANS

| NO. | DATE | DESCRIPTION |
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CLIENT: **ALBANY PORT DISTRICT COMMISSION**
ALBANY, NEW YORK
PROJECT: **PORT OF ALBANY EXPANSION SITE**

| | |
|----------|--------------|
| DRAWN | JES |
| DESIGNED | NSO |
| CHECKED | AJF |
| SCALE | N.T.S. |
| DATE | JANUARY 2022 |
| PROJECT | 18641.00 |

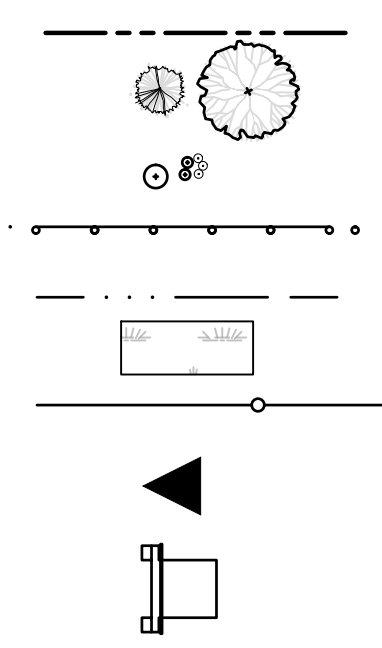
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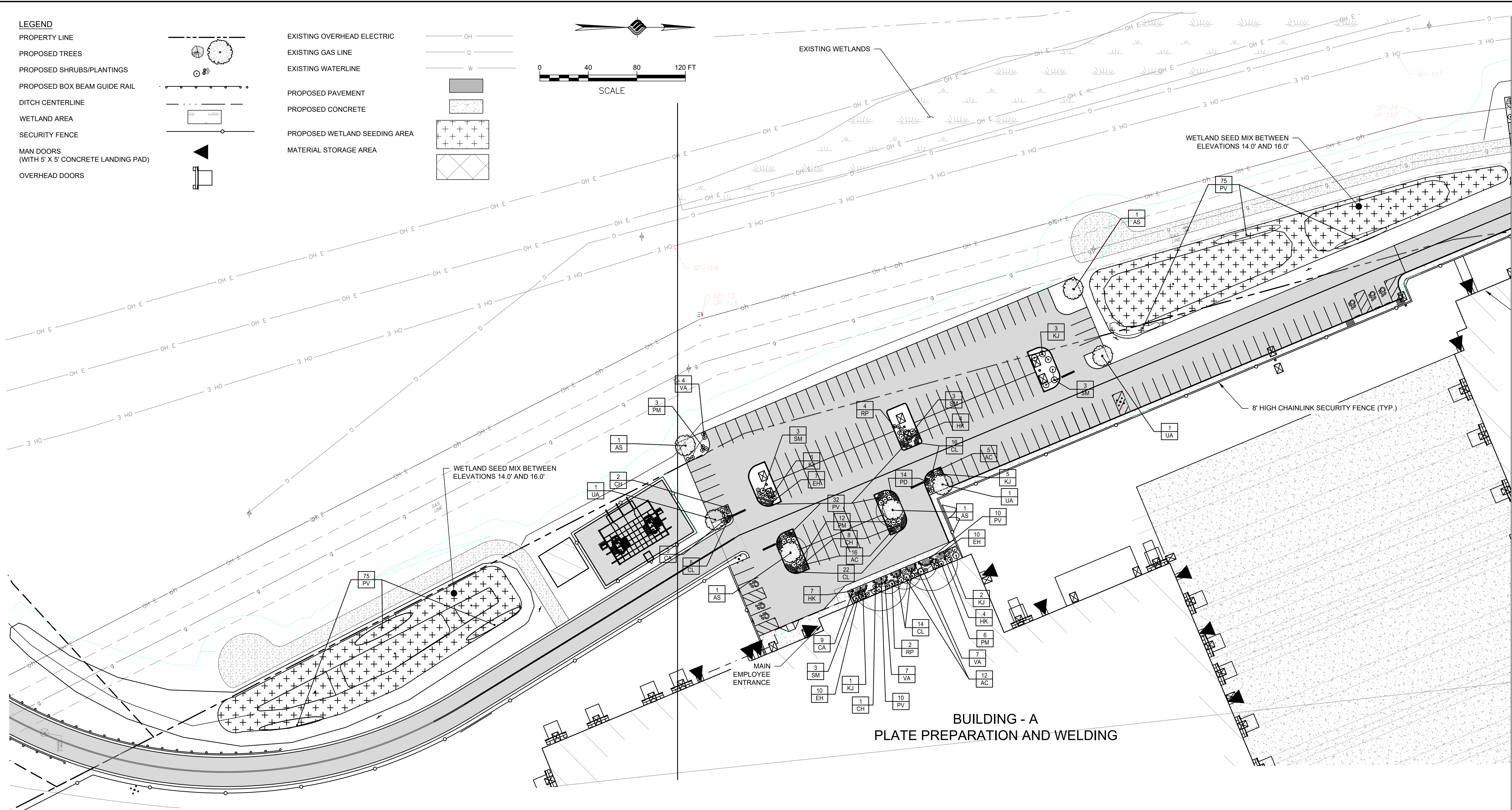
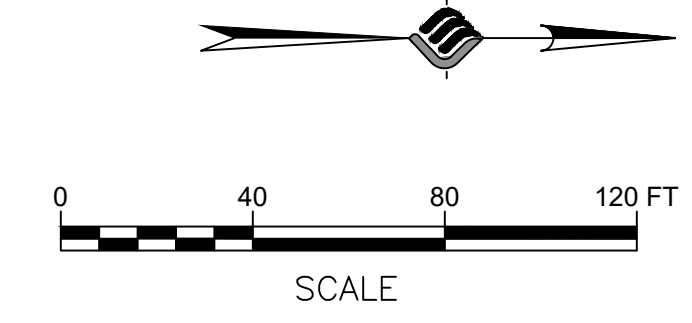
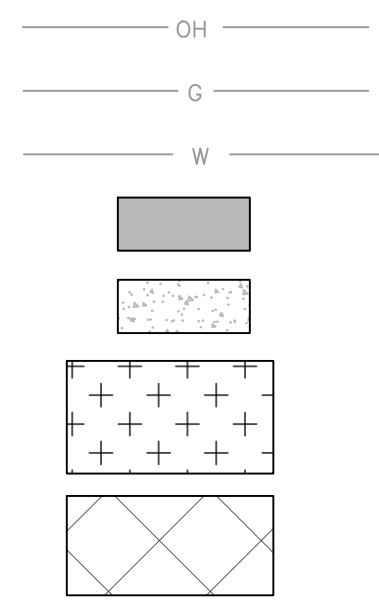
DRAWING TITLE
EROSION & SEDIMENT CONTROL DETAILS

DRAWING NUMBER
ESC-08

- LEGEND**
- PROPERTY LINE
 - PROPOSED TREES
 - PROPOSED SHRUBS/PLANTINGS
 - PROPOSED BOX BEAM GUIDE RAIL
 - DITCH CENTERLINE
 - WETLAND AREA
 - SECURITY FENCE
 - MAN DOORS (WITH 5' X 5' CONCRETE LANDING PAD)
 - OVERHEAD DOORS



- EXISTING OVERHEAD ELECTRIC
- EXISTING GAS LINE
- EXISTING WATERLINE
- PROPOSED PAVEMENT
- PROPOSED CONCRETE
- PROPOSED WETLAND SEEDING AREA
- MATERIAL STORAGE AREA





McFarland Johnson
 60 RAILROAD PLACE
 SUITE 402
 SARATOGA SPRINGS, NEW YORK 12866
 P: 518-580-9380 F: 518-580-9383
 SaratogaROM@mjinc.com

PROJECT MILESTONE
FINAL DESIGN PLANS

| NO. | DATE | DESCRIPTION |
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CLIENT: **ALBANY PORT DISTRICT COMMISSION**
 ALBANY, NEW YORK
 PROJECT: **PORT OF ALBANY EXPANSION SITE**

| | |
|----------|--------------|
| DRAWN | JES |
| DESIGNED | NSO |
| CHECKED | AJF |
| SCALE | 1"=40' |
| DATE | JANUARY 2022 |
| PROJECT | 18641.00 |

**FOR REVIEW
 NOT FOR
 CONSTRUCTION**

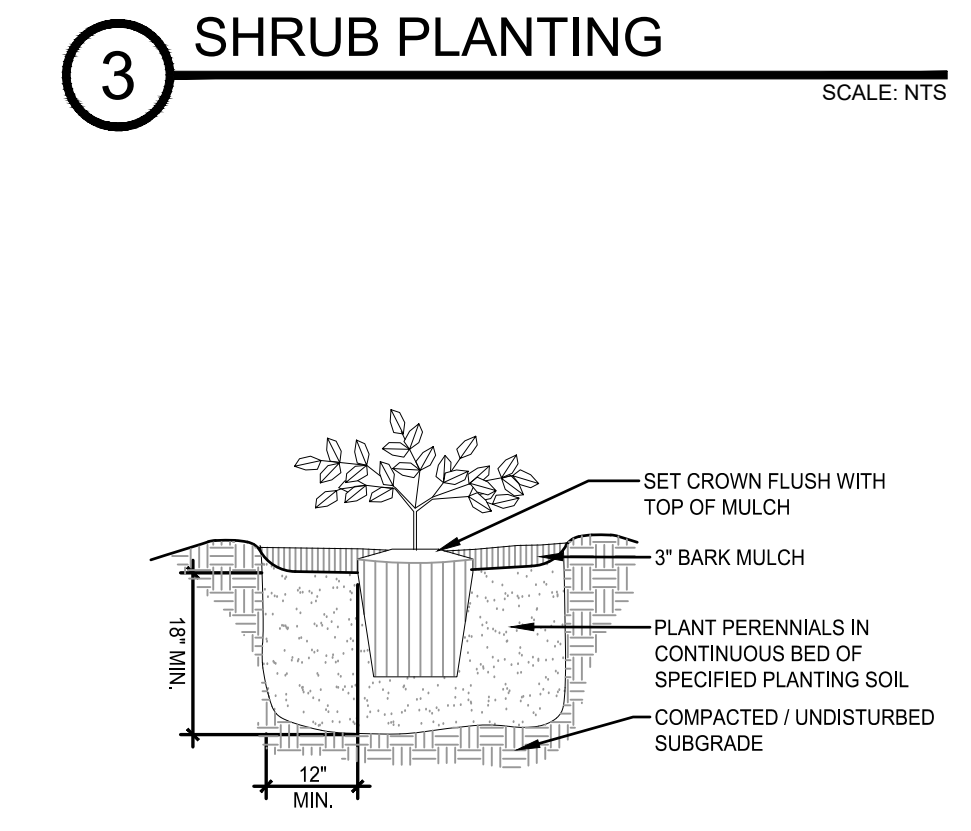
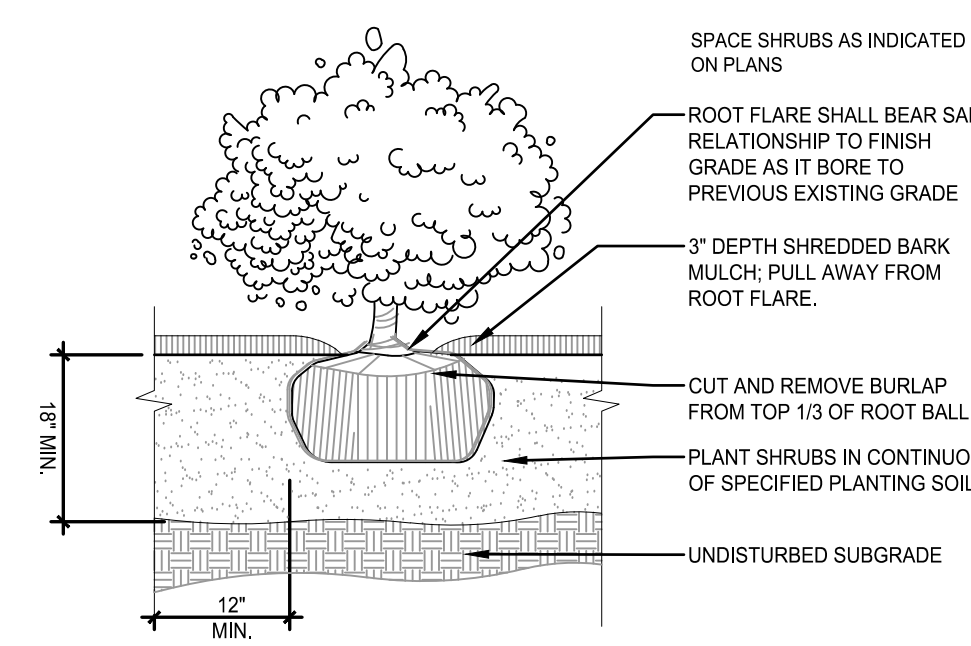
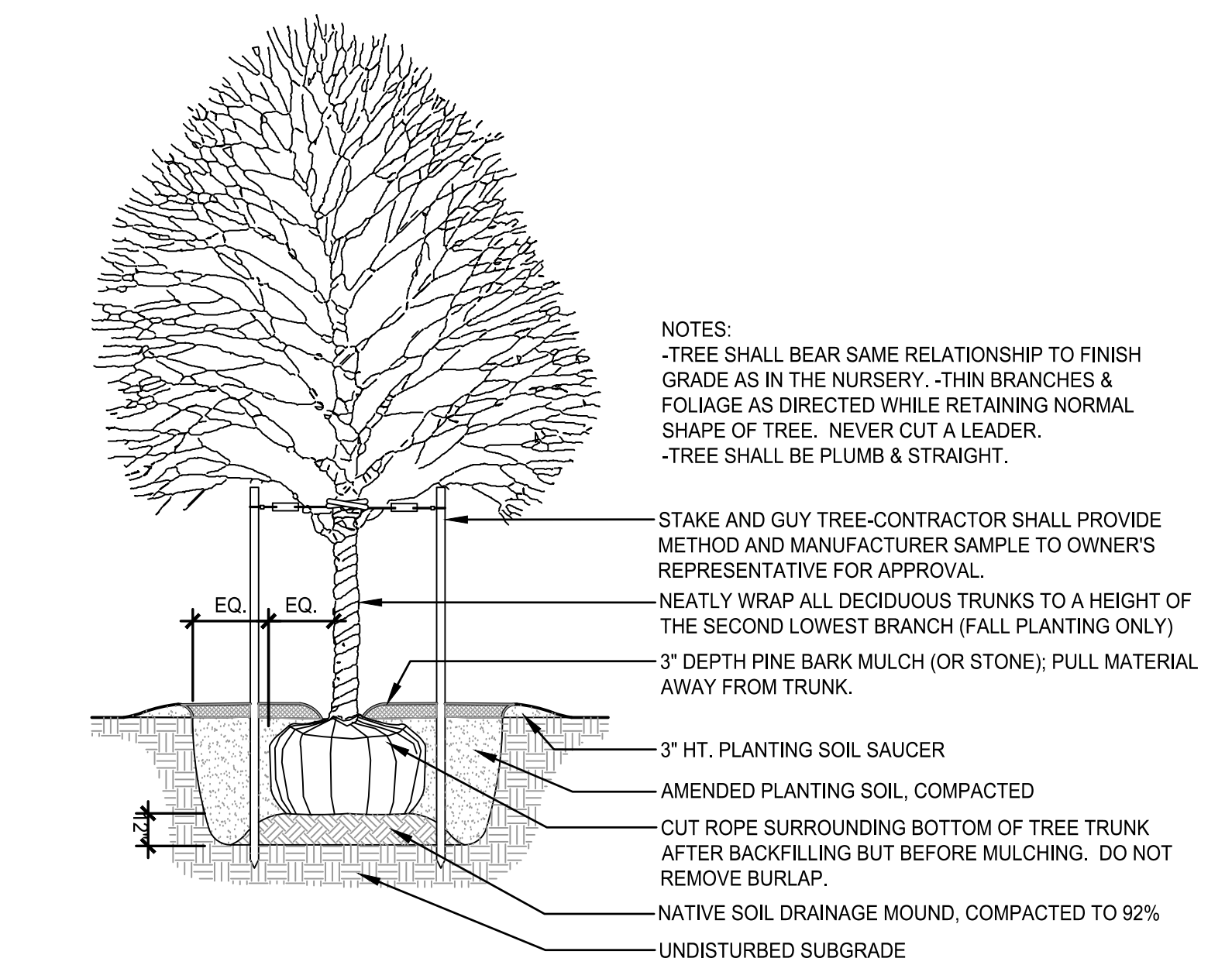
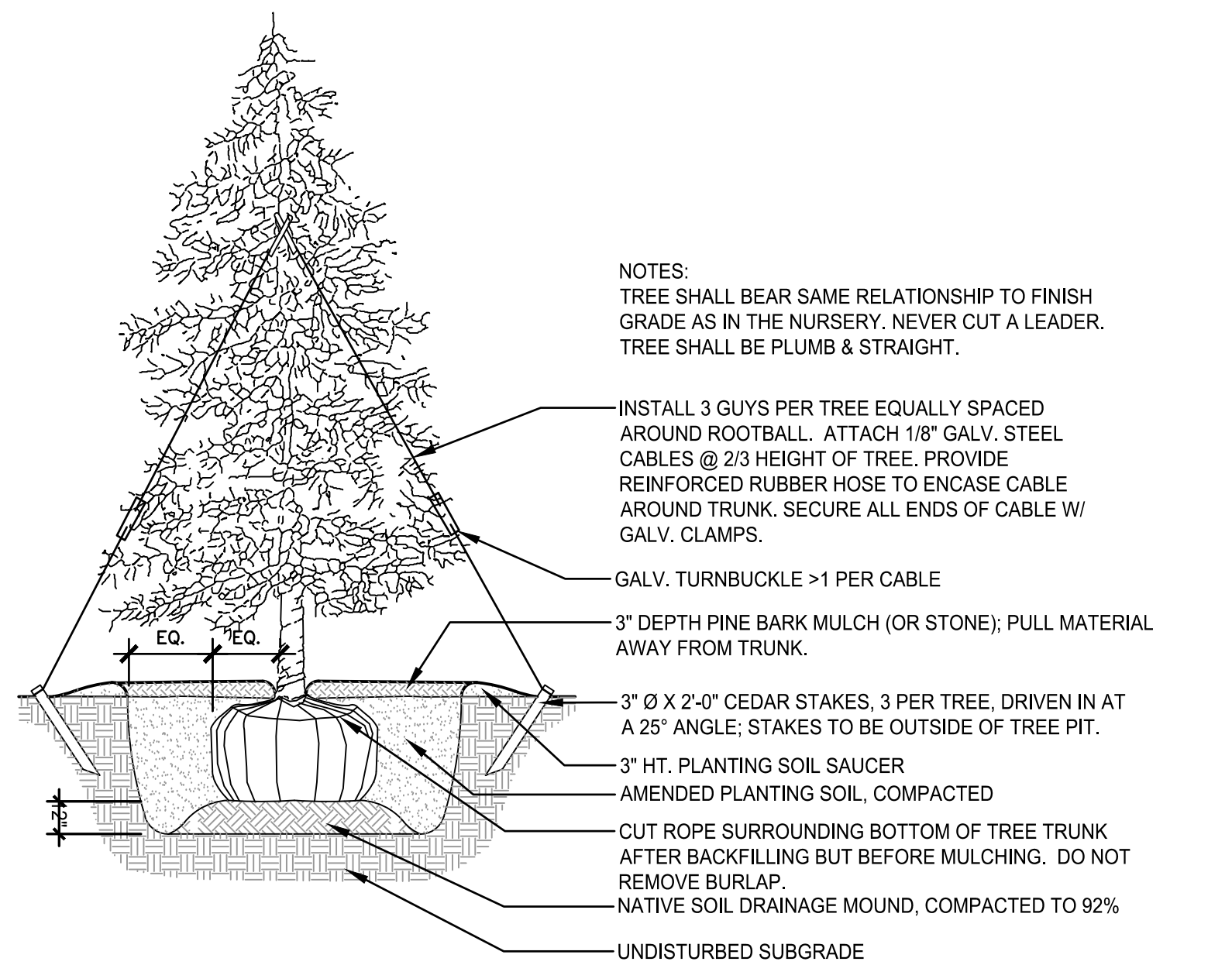
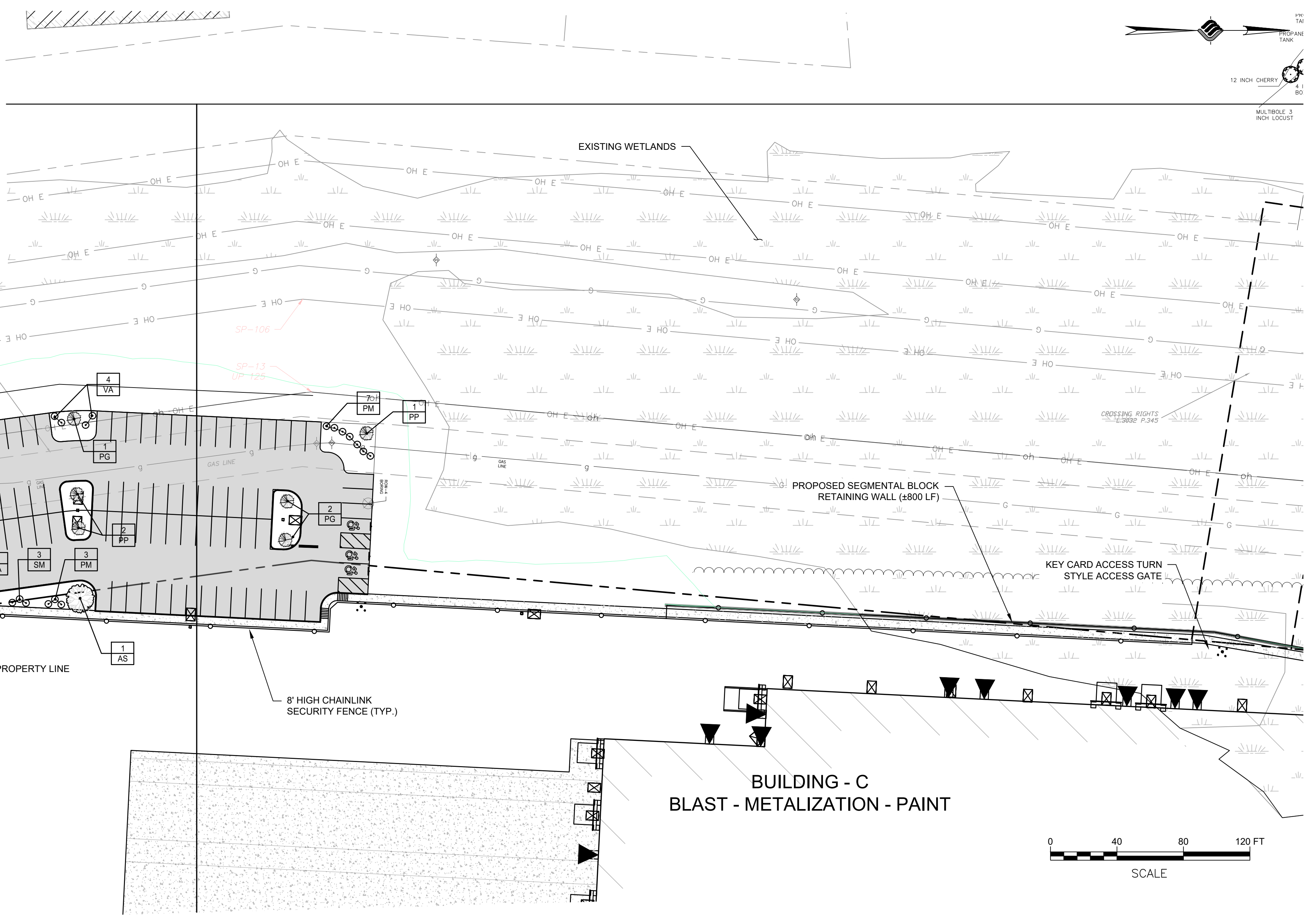
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DRAWING TITLE
**LANDSCAPING PLAN
 (2 OF 2)**

DRAWING NUMBER
LA-02

- LEGEND**
- PROPERTY LINE
 - PROPOSED TREES
 - PROPOSED SHRUBS/PLANTINGS
 - PROPOSED BOX BEAM GUIDE RAIL
 - DITCH CENTERLINE
 - WETLAND AREA
 - SECURITY FENCE
 - MAN DOORS (WITH 5' X 5' CONCRETE LANDING PAD)
 - OVERHEAD DOORS

- EXISTING OVERHEAD ELECTRIC
- EXISTING GAS LINE
- EXISTING WATERLINE
- PROPOSED PAVEMENT
- PROPOSED CONCRETE
- PROPOSED WETLAND SEEDING AREA
- MATERIAL STORAGE AREA



PLANT LIST:

| SYM. | QTY. | BOTANICAL NAME | COMMON NAME | SIZE | REMARKS/SPACING |
|-------------------------|------|------------------------------------|--------------------------------|---------------|-----------------|
| DECIDUOUS TREES | | | | | |
| AS | 5 | Acer saccharum | Sugar Maple | 3-3 1/2" cal. | |
| UA | 4 | Ulmus americana | American Elm | 3-3 1/2" cal. | |
| EVERGREEN TREES | | | | | |
| PP | 6 | Picea pungens | Colorado Blue Spruce | 5' ht. | |
| PG | 6 | Picea glauca | White Spruce | 5' ht. | |
| SHRUBS | | | | | |
| CA | 15 | Clethra alifolia | Summersweet | 30"-36" ht | |
| CH | 14 | Cephalotaxus harringtonia | Japanese Plum Yew | 30"-36" ht | |
| KJ | 17 | Keria Japonica | Japanese Keria | 30"-36" ht | |
| PM | 37 | Philadelphus 'Mini Snowflake' | Mini Snowflake Mockorange | 30"-36" ht | |
| RP | 6 | Rhododendron 'Purpureum Elegans' | Purpureum Elegans Rhododendron | 30"-36" ht | |
| VA | 22 | Viburnum acerfolium | Maple Leaf Viburnum | 30"-36" ht | |
| SM | 15 | Syringa mayeri | Platin Lilac | 30"-36" ht | |
| PERENNIALS | | | | | |
| AC | 33 | Astilbe chinensis 'Visions in Red' | Visions in Red Astilbe | #2 Cont. | |
| EH | 27 | Echinacea 'Harvest Moon' | Harvest Moon Cone Flower | #2 Cont | |
| HK | 15 | Hosta 'Krossa Regal' | Regal Hosta | #2 Cont | |
| PD | 14 | Phlox divaricata | Woodland Phlox | #2 Cont | |
| ORNAMENTAL GRASS | | | | | |
| CL | 57 | Chasmanthium latifolium | Northern Sea Oats | #2 Cont | |
| PV | 202 | Panicum variegatum 'Shanendoah' | Shanendoah Switchgrass | 5" Plugs | 18" OC |

1 EVERGREEN TREE PLANTING SCALE: NTS

2 DECIDUOUS TREE PLANTING SCALE: NTS

3 SHRUB PLANTING SCALE: NTS

4 PERENNIAL PLANTING SCALE: NTS

N:\18641\02 ALBANY PORT EXPANSION\DRAWINGS\LANDSCAPING\LA-02.DWG

