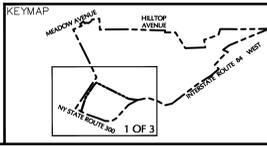


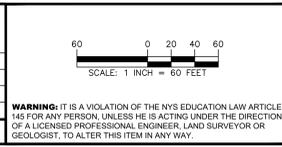
PROJECT NO. 190063301

LANGAN



DATE	DESCRIPTION	No.
10/14/2021	REVISED PER TOWN COMMENTS	3.
07/30/2021	REVISED PER TOWN COMMENTS	2.
05/28/2021	ROUTE 300 TRAFFIC IMPROVEMENTS	1.

REVISIONS



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 One North Broadway, Suite 910
 White Plains, NY 10601

T: 914.323.7400 F: 914.323.7401 www.langan.com

Project
MATRIX LOGISTICS CENTER AT NEWBURGH

Drawing Title
EROSION & SEDIMENT CONTROL PLAN (1 OF 3)

TOWN OF NEWBURGH
 ORANGE COUNTY NEW YORK

Project No.
 190063301

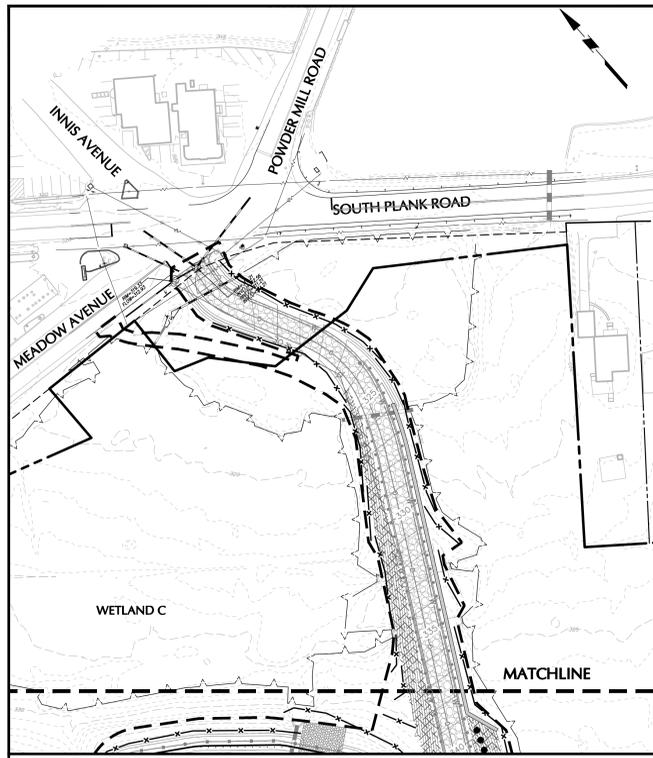
Date
 MAY 14, 2021

Drawn By
 AWM/C

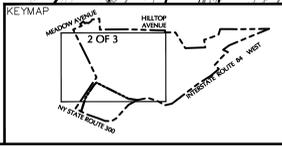
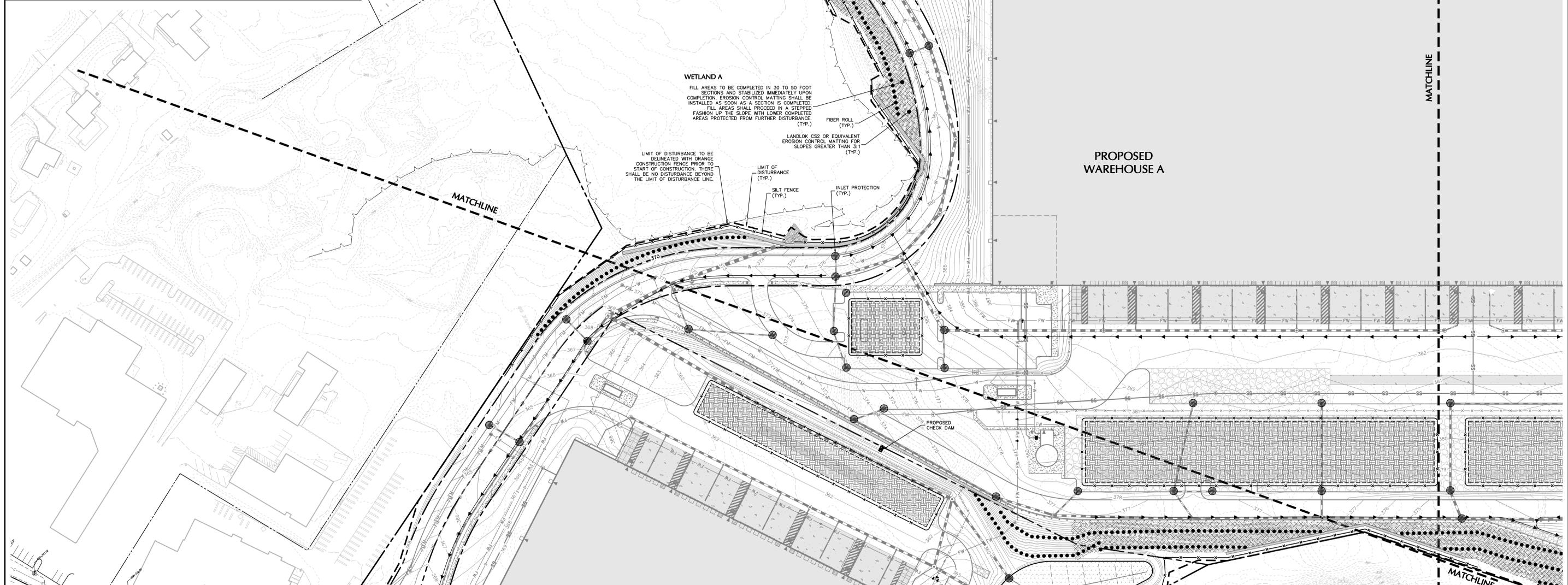
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Drawing No.
CE101

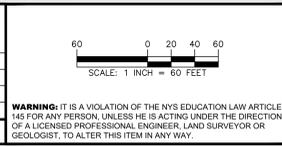
Sheet 35 of 55



ROADWAY INSET
1" = 60'



DATE	DESCRIPTION	No.
10/14/2021	REVISED PER TOWN COMMENTS	3.
07/30/2021	REVISED PER TOWN COMMENTS	2.
05/28/2021	ROUTE 300 TRAFFIC IMPROVEMENTS	1.



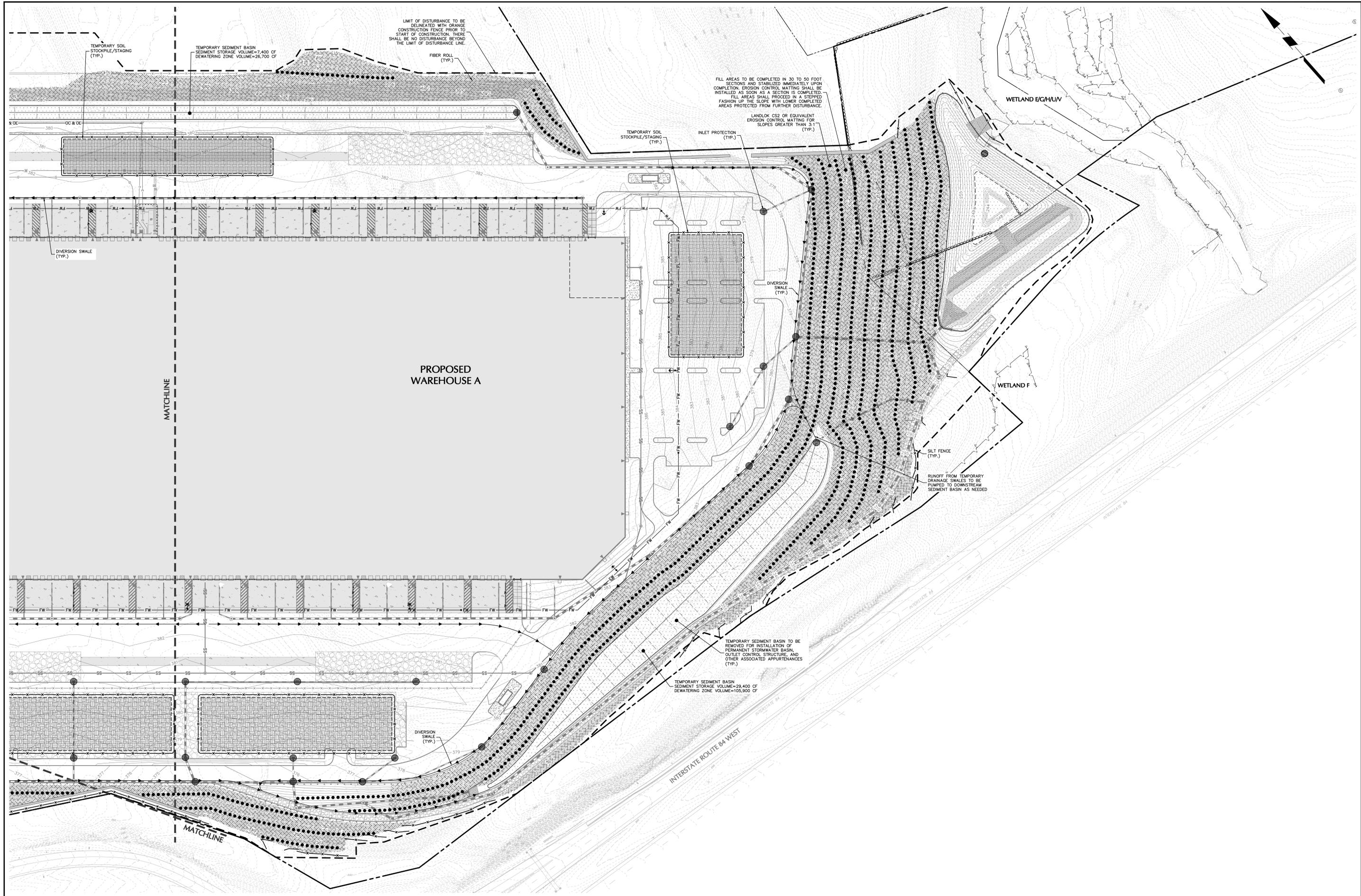
STATE OF NEW YORK
 PROFESSIONAL ENGINEER
 DATE SIGNED: 10/13/2021
 PROFESSIONAL ENGINEER NY Lic. No. 062303

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 Landscape Architecture and Geology, D.P.C.
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Project: **MATRIX LOGISTICS CENTER AT NEWBURGH**
 Drawing Title: **EROSION & SEDIMENT CONTROL PLAN (2 OF 3)**
 Project No.: 190063301
 Date: MAY 14, 2021
 Drawn By: AWMC
 Checked By: CZMF

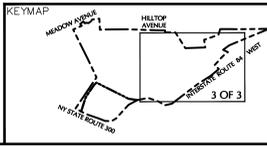
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 Drawing No.: CE102
 Date: MAY 14, 2021
 Drawn By: AWMC
 Checked By: CZMF

Project No.: 190063301
 Drawing No.: CE102
 Date: MAY 14, 2021
 Drawn By: AWMC
 Checked By: CZMF
 Sheet 36 of 55

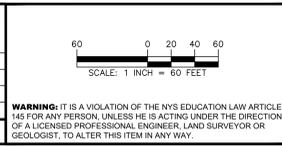


PROJECT NO. 190063301

LANGAN



DATE	DESCRIPTION	No.
10/14/2021	REVISED PER TOWN COMMENTS	3.
07/30/2021	REVISED PER TOWN COMMENTS	2.
05/28/2021	ROUTE 300 TRAFFIC IMPROVEMENTS	1.



DATE SIGNED: 10/13/2021
 PROFESSIONAL ENGINEER NY Lic. No. 062303

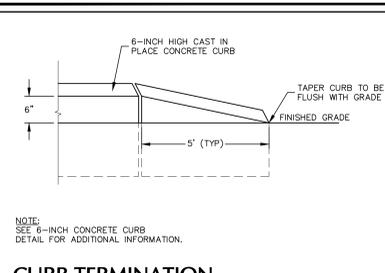
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Project: **MATRIX LOGISTICS CENTER AT NEWBURGH**
 Drawing Title: **EROSION & SEDIMENT CONTROL PLAN (3 OF 3)**
 TOWN OF NEWBURGH
 ORANGE COUNTY NEW YORK

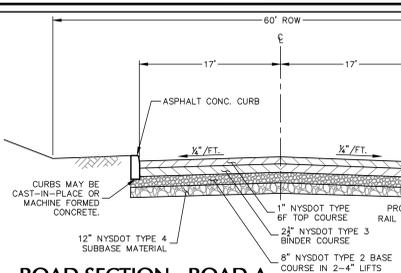
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 Date: **MAY 14, 2021**
 Drawn By: **AWMC**
 Checked By: **CZMF**

Drawing No. **CE103**
 Sheet 37 of 55

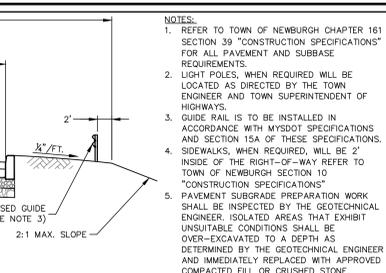
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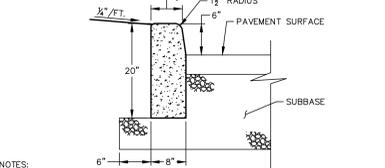
CURB TERMINATION
SCALE: NTS



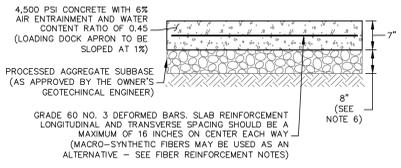
ROAD SECTION - ROAD A
SCALE: NTS



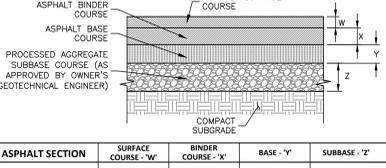
TOWN OF NEWBURGH



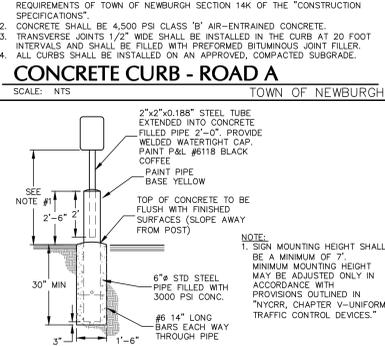
CONCRETE CURB - ROAD A
SCALE: NTS



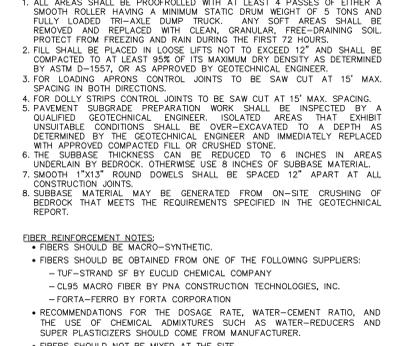
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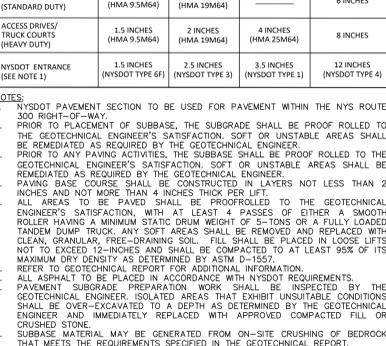
ASPHALT SECTION



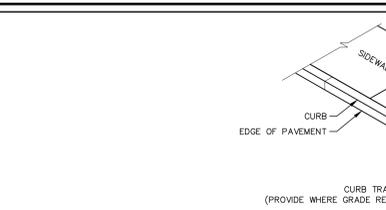
SIGN POST MOUNTING - BOLLARD
SCALE: NTS



LOADING DOCK APRON & DOLLY STRIP
SCALE: NTS



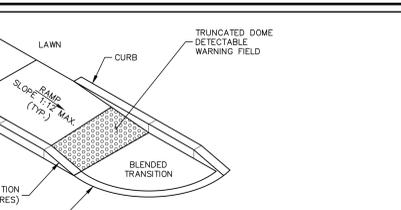
SITE ASPHALT PAVEMENT SECTION
SCALE: NTS



SIDEWALK CURB RAMP

1. THERE SHALL BE A LANDING AT THE TOP OF EACH CURB RAMP.
2. LANDINGS SHALL HAVE A MINIMUM CLEAR DIMENSION OF 5 FEET BY 5 FEET SQUARE. THE MAXIMUM CROSS SLOPE AT LANDINGS IS 2 PERCENT IN ANY DIRECTION. LANDINGS MAY OVERLAP WITH ADJACENT LANDINGS OR A SINGLE LANDING MAY SERVE MULTIPLE CURB RAMPS OR PARALLEL/PERPENDICULAR RAMPS.
3. THE MAXIMUM CROSS SLOPE OF CURB RAMPS SHALL BE 2 PERCENT. CURB RAMPS SURFACES SHALL GENERALLY LIE IN CONTINUOUS PLANES WITH A MINIMUM OF SURFACE WARP.
4. THE RUNNING GRADE OF CURB RAMPS SHOULD BE AS FLAT AS PRACTICABLE. THE MAXIMUM RUNNING GRADE OF ANY PORTION OF ANY CURB SHALL BE 1:12 (8.3%).
5. CURB RAMPS LOCATED WHERE PEDESTRIANS MAY WALK ACROSS THE CURB RAMP SHALL HAVE FLARED SIDES. THE LENGTH OF THE FLARES SHALL BE AT LEAST TEN (10) TIMES THE CURB HEIGHT, MEASURED ALONG THE CURB LINE. WHEN INFEASIBLE OR IMPRACTICABLE TO PROVIDE A LANDING THAT IS AT LEAST 5 FEET WIDE (MEASURED FROM THE TOP OF THE RAMP TO THE BACK OF THE SIDEWALK), THE LENGTH OF THE FLARES SHALL BE TWELVE (12) TIMES THE CURB HEIGHT MEASURED ALONG THE CURB LINE.
6. THE SURFACE OF ALL CURB RAMPS SHALL BE STABLE, FIRM AND SLIP RESISTANT. A COARSE BROOM FINISH PERPENDICULAR TO THE SLOPE IS RECOMMENDED ON CONCRETE RAMP SURFACES, EXCLUSIVE OF THE DETECTABLE WARNING FIELDS.
7. RAMP TRANSITIONS BETWEEN WALKS, GUTTERS OR STREETS SHALL BE FLUSH AND FREE OF ABRUPT VERTICAL CHANGES.
8. COORDINATE ALL TRAFFIC CONTROL DEVICES, UTILITY LOCATIONS, SIGNS, STREET FURNITURE AND DRAINAGE TO ENSURE A CONTINUOUS PEDESTRIAN ACCESS ROUTE TO ALL CURB RAMP LOCATIONS. GUIDANCE FOR SIDEWALK MARKINGS AND TRAFFIC CONTROL DEVICES IS PROVIDED IN THE MUTCD. DRAINAGE GRATES AND UTILITY ACCESS COVERS ARE NOTE ALLOWED IN RAMP WALKING SURFACES OR LANDINGS UNLESS APPROVED BY THE DESIGN ENGINEER.
9. AT MARKED CROSSINGS, THE FULL WIDTH OF THE RAMP SHALL BE WHOLLY CONTAINED WITHIN THE MARKINGS. THE SIDES OF THE RAMP (THE FLARES) NEED NOT BE WITHIN THE WIDTH OF THE MARKINGS.
10. DETAILS ILLUSTRATE THAT DETECTABLE WARNINGS ARE REQUIRED. SEE THE CURRENT DETECTABLE WARNING STANDARD DETAIL AND NOTES FOR SPECIFIC DETECTABLE WARNING REQUIREMENTS.
11. SLOPES ON BLENDED TRANSITIONS SHALL NOT BE STEEPER THAN 2% (1 ON 50) IN ANY DIRECTION.
12. REFER TO THE SIDEWALK DETAIL FOR REQUIRED CONCRETE STRENGTH.

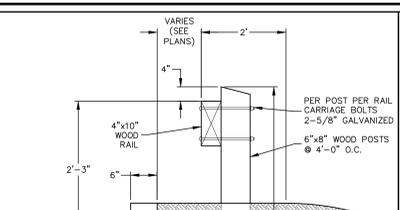
SIDEWALK CURB RAMP
SCALE: NTS



DETECTABLE WARNING SURFACE
SCALE: NTS

1. THE DETECTABLE WARNING FIELD SHALL CONSIST OF RAISED TRUNCATED DOMES WITH A NOMINAL DIAMETER OF 0.9 INCHES, A NOMINAL HEIGHT OF 0.2 INCHES, AND A NOMINAL SPACING OF 2.35 INCHES ON CENTER IN ACCORDANCE WITH THE DEPARTMENT OF JUSTICE-CODE OF FEDERAL REGULATIONS, 28 CFR PART 36, CHAPTER 4 "ADA STANDARDS FOR ACCESSIBLE DESIGN", REVISED AS OF JULY 1, 1994.
2. THE DETAILS PROVIDED ARE NOT DRAWN TO SCALE. THE QUANTITY OF DOMES DEPICTED ON THE DETECTABLE WARNING FIELD (THE DOMES AND THE ENTIRE 24 INCH LEVEL SURFACE) IS FOR ILLUSTRATION ONLY.
3. THE SIZE OF THE DETECTABLE WARNING FIELD SHALL BE 24 INCHES IN THE DIRECTION OF TRAVEL AND SHALL EXTEND THE FULL WIDTH OF THE CURB RAMP OR FLUSH SURFACE, EXCLUSIVE OF SIDE FLARES.
4. DETECTABLE WARNINGS SHALL BE LOCATED SO THAT THE EDGE OF THE WARNING FIELD NEAREST TO THE ROADWAY OR STREET SURFACE IS 6 INCHES TO 9 INCHES FROM THE EDGE OF THE ROADWAY/STREET, OR FROM THE FRONT OF THE DROPPED CURB, WHERE A DROPPED CURB CONTIGUES ACROSS THE BOTTOM OF THE SIDEWALK CURB RAMP.
5. DOMES SHALL BE ALIGNED ON A SQUARE GRID IN THE PREDOMINANT DIRECTION OF TRAVEL.
6. THE DETECTABLE WARNING FIELD SHALL BE THE COLOR SPECIFIED IN THE CONTRACT DOCUMENTS.
7. PAYMENT LINES ARE THE 24 INCH DIMENSION SHOWN IN THE DETAILS EXTENDING THE FULL WIDTH OF THE CURB RAMP AND/OR APPLICABLE SURFACES.
8. THE DETECTABLE WARNING SHALL BE A NON-SKID LIQUID APPLIED TRUNCATED DOME FIELD AS MANUFACTURED BY VANGUARD ADA SYSTEMS OF AMERICA, OR APPROVED EQUAL.
9. PROVIDE A BROOM FINISH, FLUSH TO ADJACENT SIDEWALK/CURB, ON ALL AREAS TO RECEIVE THE DETECTABLE WARNING FIELDS.

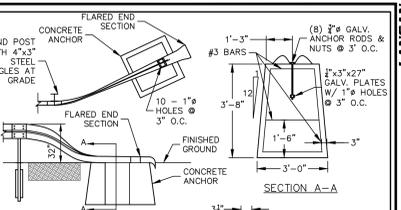
SIDEWALK CURB RAMP
SCALE: NTS



TIMBER GUIDERAIL
SCALE: NTS

1. TIMBER GUIDE RAIL TO BE USED AS AN ALTERNATIVE GUIDE RAIL OPTION AS DIRECTED BY THE OWNER.
2. RAIL AND POST LUMBER TO BE COMMERCIAL GRADE, NO. 1 DENSE S.B (1,500 PSI) OR BETTER CONFORMING TO AASHTO M168.
3. TIMBER TO BE TREATED WITH PRESERVATIVES IN ACCORDANCE WITH AASHTO M133.

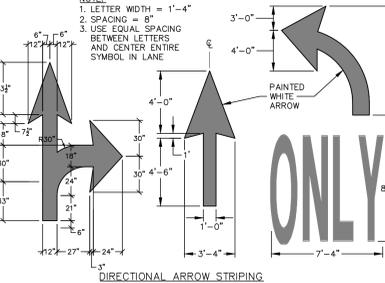
TIMBER GUIDERAIL
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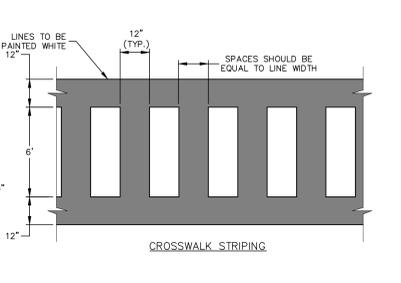
STEEL GUIDERAIL
SCALE: NTS

1. RAIL SHALL BE IN ACCORDANCE WITH NYSDOT CORRUGATED BEAM GUIDE RAIL STANDARD SHEET 608-07.
2. GUIDE RAIL SHALL MEET ALL REQUIREMENTS OF THE LATEST EDITION OF THE NYSDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, SECTION 710-20.
3. UP-DOWN ENDS ARE PREFERRED.
4. THE OFFSET OF THE GUIDE RAIL SHALL BE MEASURED FROM FACE OF CURB TO FACE OF RAIL. THE RAIL MOUNTING HEIGHT PLACED BEHIND THE CURB (REGARDLESS OF CURB HEIGHT OR SPEED) SHALL BE MEASURED FROM THE PAVEMENT WHEN THE OFFSET IS 1'-0" OR LESS AND TO THE GROUND SURFACE UNDER THE FACE OF THE RAIL WHEN THE OFFSET IS GREATER THAN 1'-0".

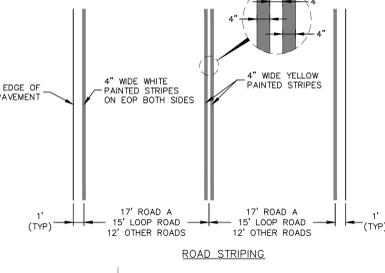
STEEL GUIDERAIL
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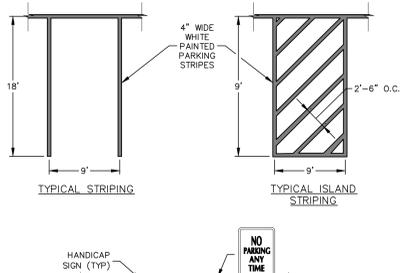
DIRECTIONAL ARROW STRIPING



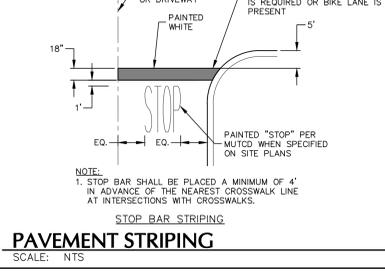
CROSSWALK STRIPING



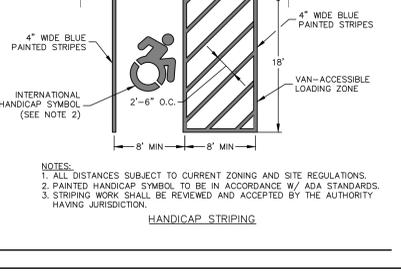
ROAD STRIPING



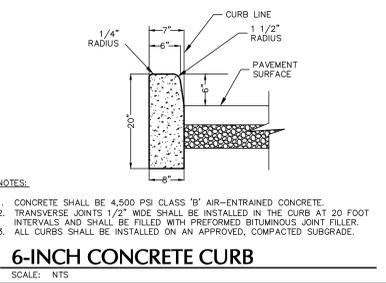
TYPICAL STRIPING



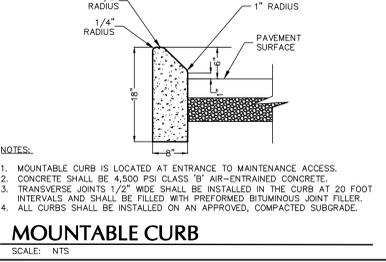
STOP BAR STRIPING



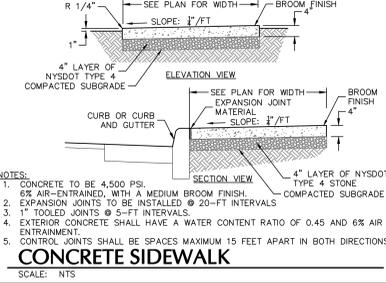
HANDICAP STRIPING



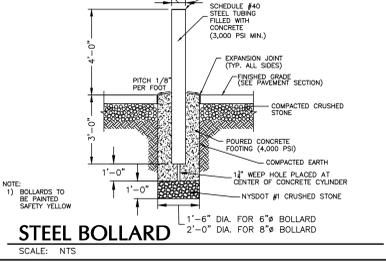
6-INCH CONCRETE CURB
SCALE: NTS



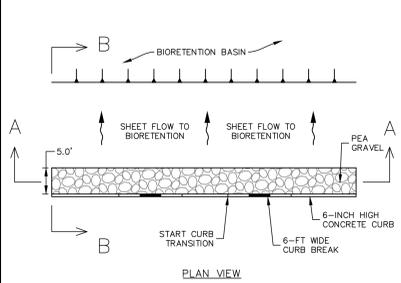
MOUNTABLE CURB
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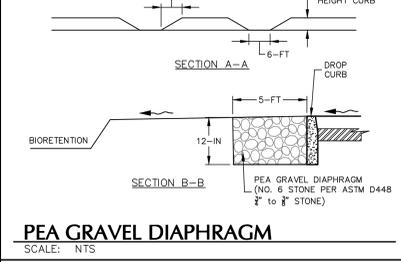
CONCRETE SIDEWALK
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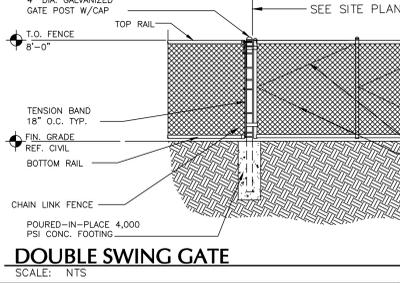
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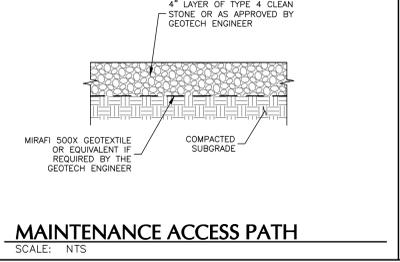
PEA GRAVEL DIAPHRAGM
SCALE: NTS



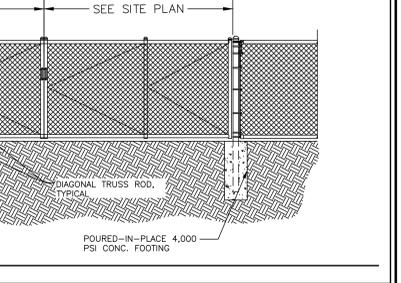
STORMWATER MANAGEMENT PRACTICE SIGN
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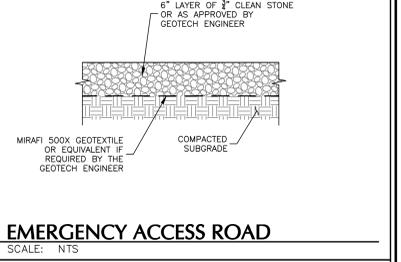
DOUBLE SWING GATE
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MAINTENANCE ACCESS PATH
SCALE: NTS



SINGLE SWING GATE
SCALE: NTS



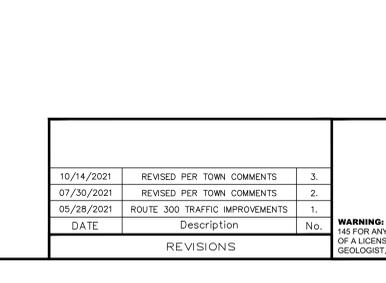
EMERGENCY ACCESS ROAD
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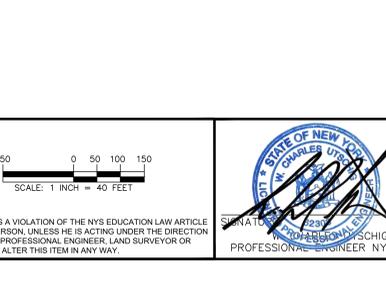
PAVEMENT STRIPING
SCALE: NTS



FLUSH CURB
SCALE: NTS



TRENCH RESTORATION IN PAVEMENT
SCALE: NTS



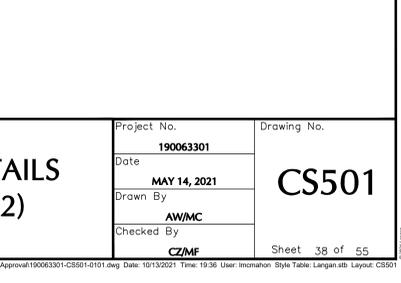
STORMWATER MANAGEMENT PRACTICE SIGN
SCALE: NTS



SPLIT RAIL FENCE AND GATE
SCALE: NTS



SPLIT RAIL FENCE AND GATE
SCALE: NTS



SPLIT RAIL FENCE AND GATE
SCALE: NTS

10/14/2021 REVISED PER TOWN COMMENTS 3.

07/30/2021 REVISED PER TOWN COMMENTS 2.

05/28/2021 ROUTE 300 TRAFFIC IMPROVEMENTS 1.

DATE Description No.

REVISIONS

0 50 100 150

SCALE: 1 INCH = 40 FEET

10/13/2021

DATE SIGNED

PROFESSIONAL ENGINEER NY Lic. No. 062303

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Project **MATRIX LOGISTICS CENTER AT NEWBURGH**

Drawing Title **SITE DETAILS (1 OF 2)**

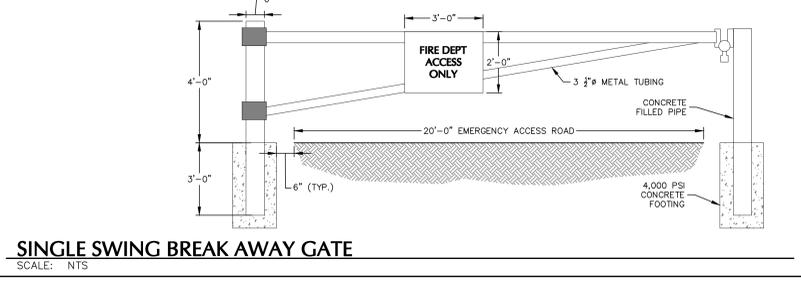
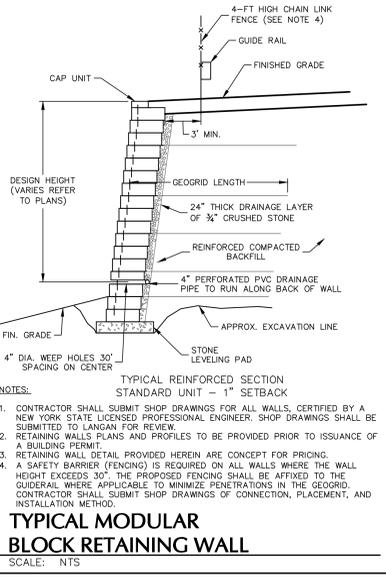
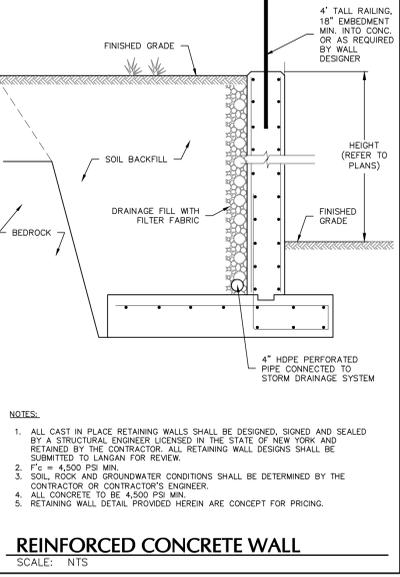
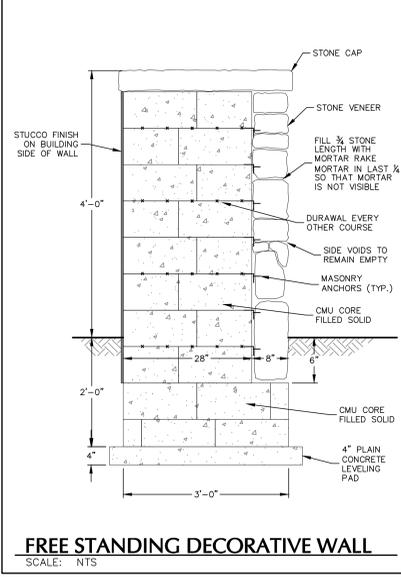
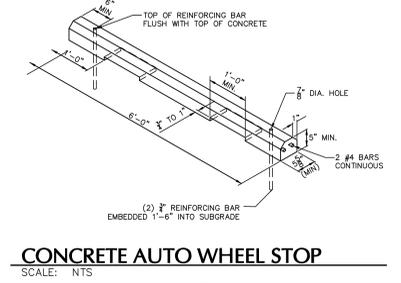
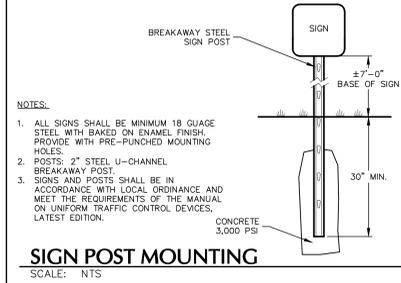
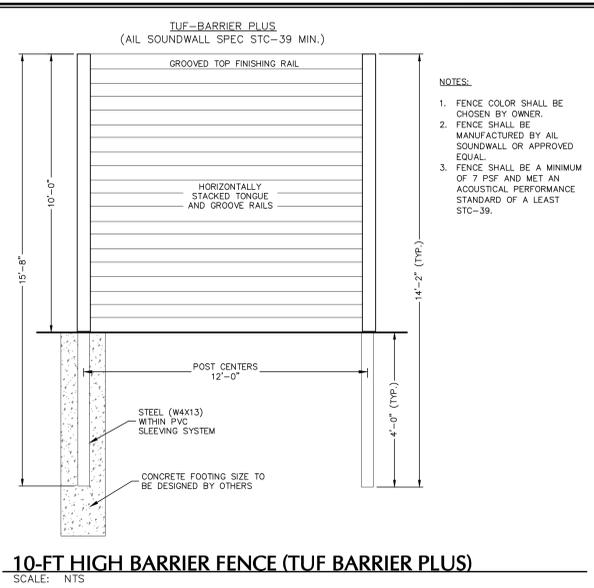
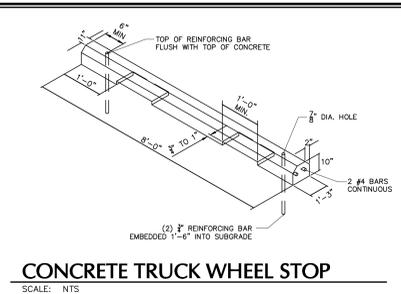
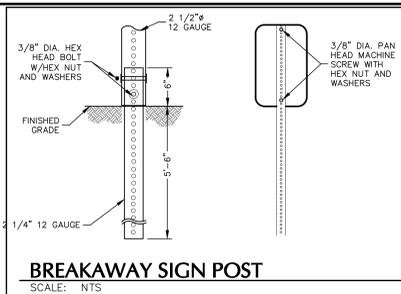
Project No. **190063301**

Date **MAY 14, 2021**

Drawn By **AWMC**

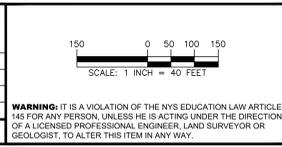
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Sheet 38 of 55



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10/14/2021	REVISED PER TOWN COMMENTS	3.
07/30/2021	REVISED PER TOWN COMMENTS	2.
05/28/2021	ROUTE 300 TRAFFIC IMPROVEMENTS	1.
DATE	DESCRIPTION	NO.

REVISIONS



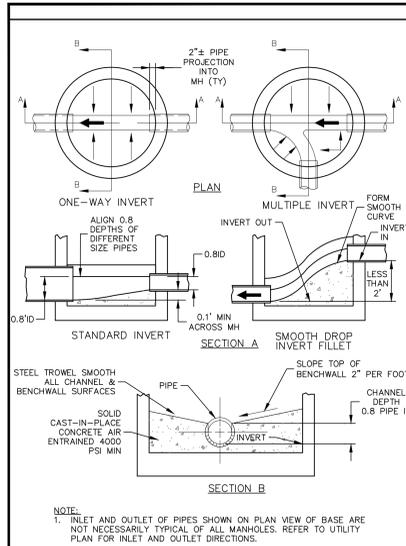
10/13/2021
DATE SIGNED
SCHIG JR., P.E.
PROFESSIONAL ENGINEER - NY Lic. No. 062303

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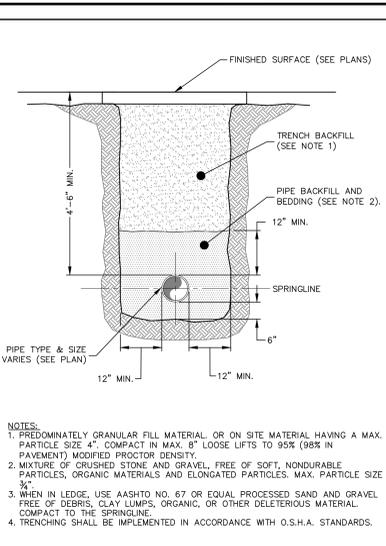
Project
MATRIX LOGISTICS CENTER AT NEWBURGH
TOWN OF NEWBURGH
ORANGE COUNTY
NEW YORK

Drawing Title
SITE DETAILS (2 OF 2)

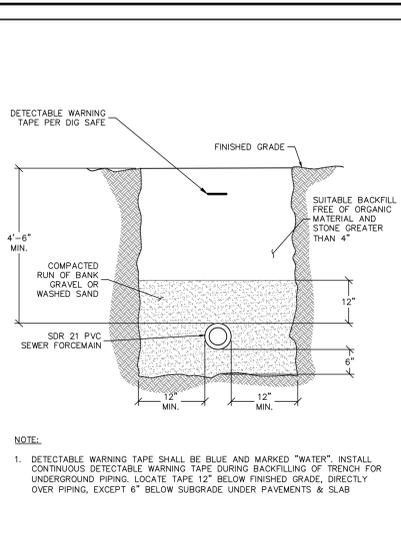
Project No.
190063301
Date
MAY 14, 2021
Drawn By
AW/MC
Checked By
CZ/MF
Drawing No.
CS502
Sheet 39 of 55



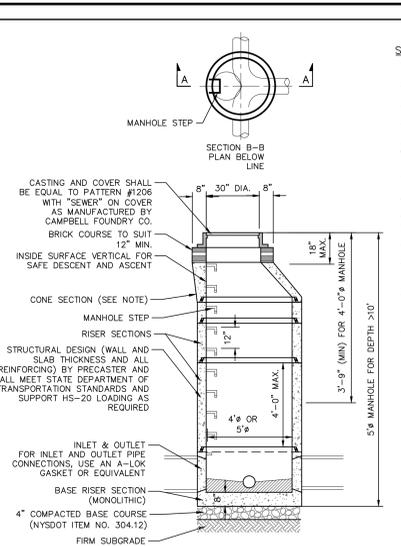
INVERT, CHANNEL AND BENCHWALLS
SCALE: NTS



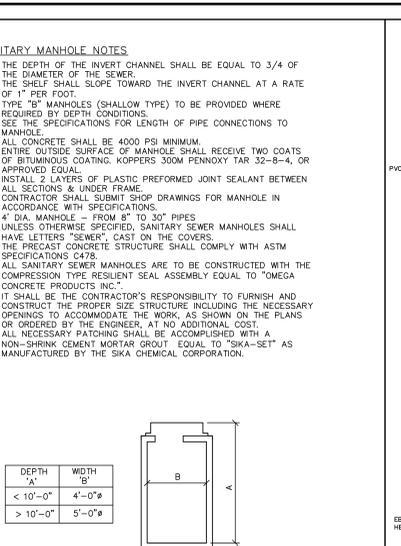
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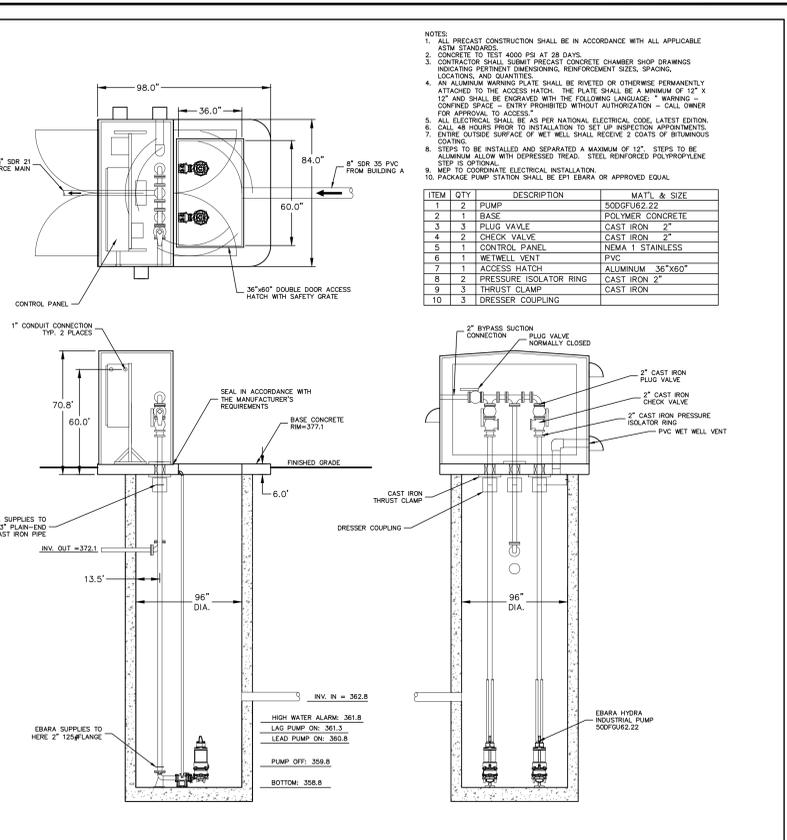
SEWER FORCE MAIN TRENCH
SCALE: NTS



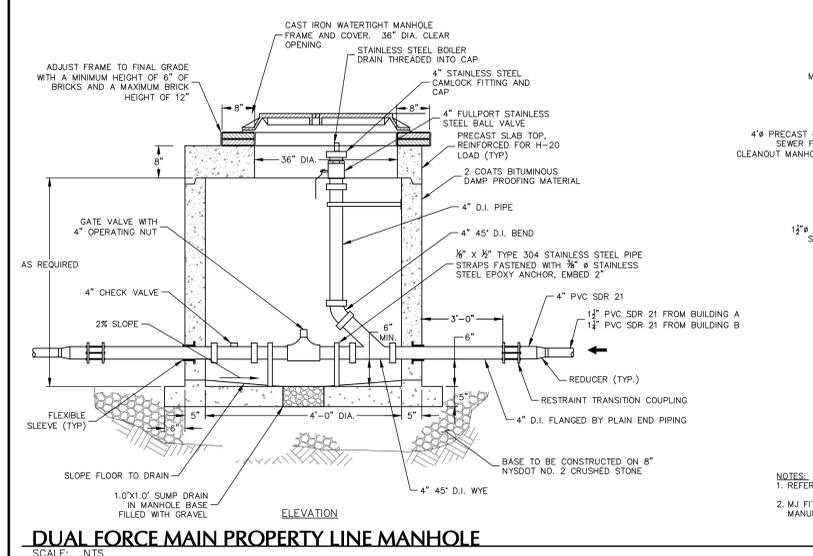
SANITARY MANHOLE
SCALE: NTS



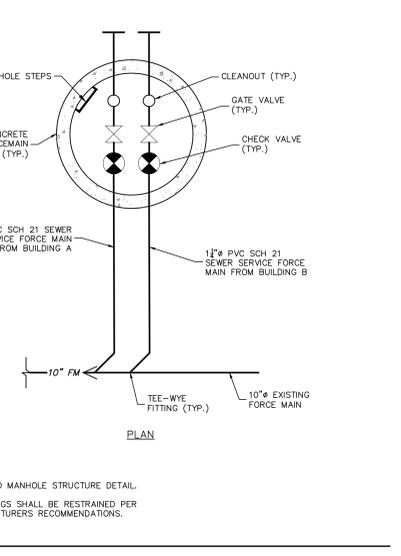
MANHOLE STEP
SCALE: NTS



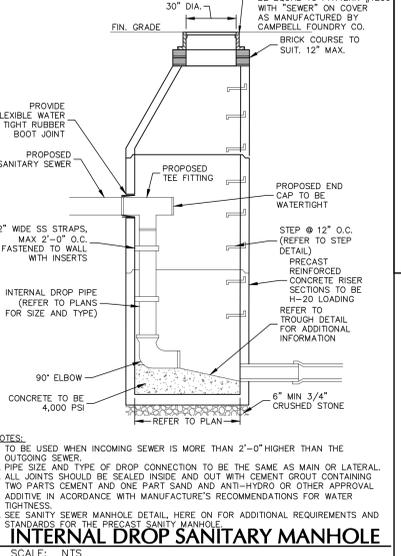
EP1 EBARA FLUID HANDLING PACKAGED PUMP SYSTEM - BUILDING A
SCALE: NTS



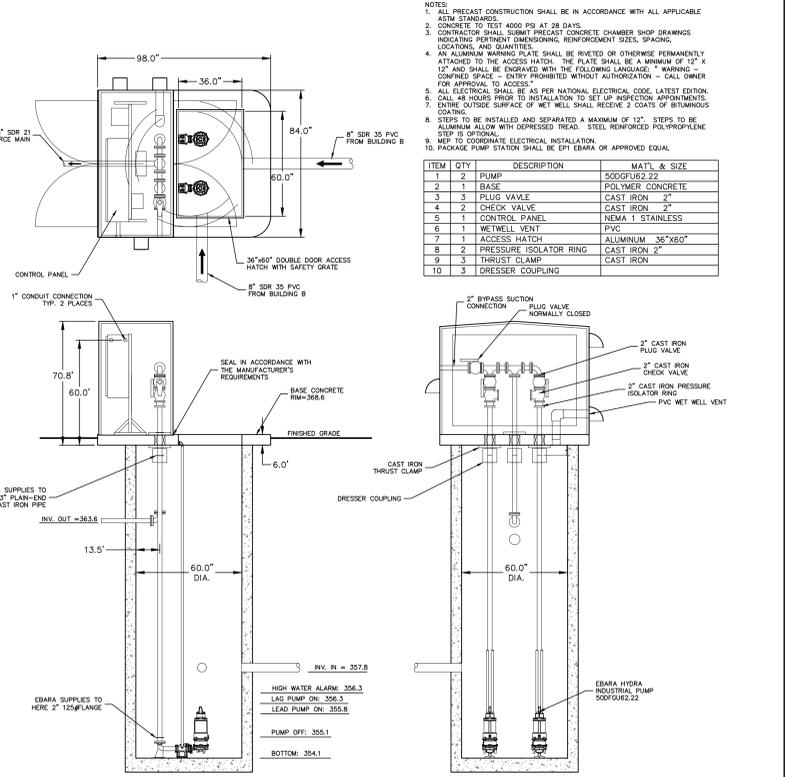
DUAL FORCE MAIN PROPERTY LINE MANHOLE
SCALE: NTS



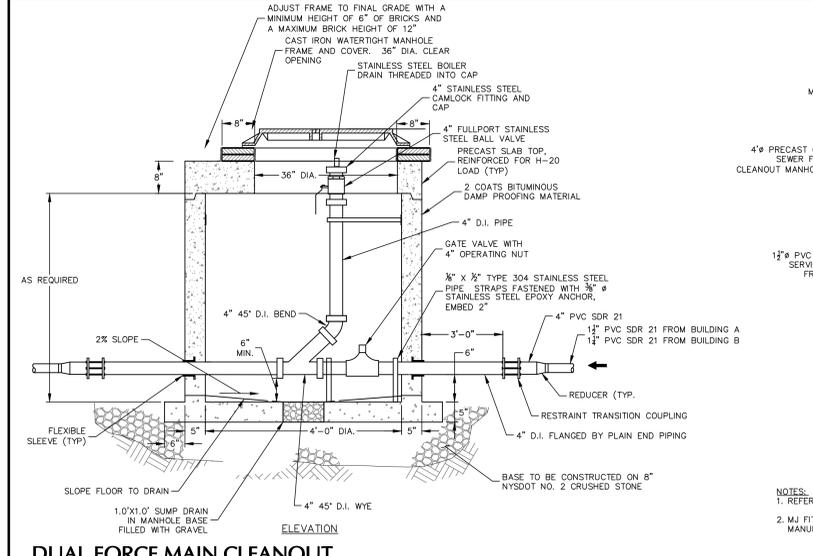
INTERNAL DROP SANITARY MANHOLE
SCALE: NTS



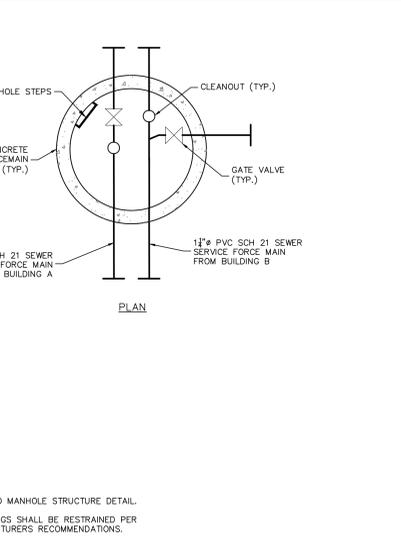
MANHOLE STEP
SCALE: NTS



EP1 EBARA FLUID HANDLING PACKAGED PUMP SYSTEM - BUILDING B
SCALE: NTS



DUAL FORCE MAIN CLEANOUT
SCALE: NTS



MANHOLE STEP
SCALE: NTS

DATE	DESCRIPTION	NO.
10/14/2021	REVISED PER TOWN COMMENTS	3.
07/30/2021	REVISED PER TOWN COMMENTS	2.
05/28/2021	ROUTE 300 TRAFFIC IMPROVEMENTS	1.

REVISIONS

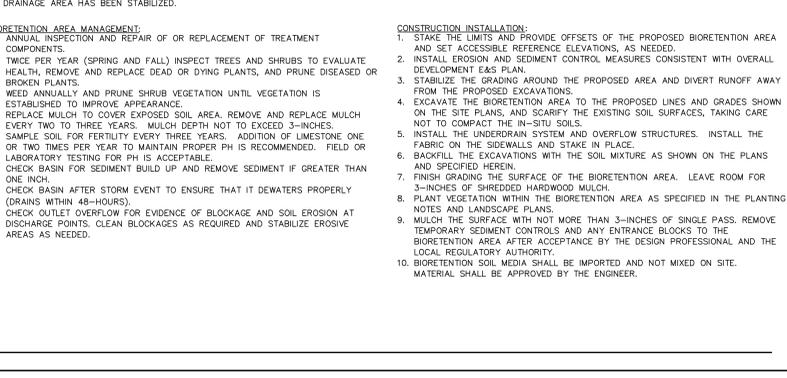
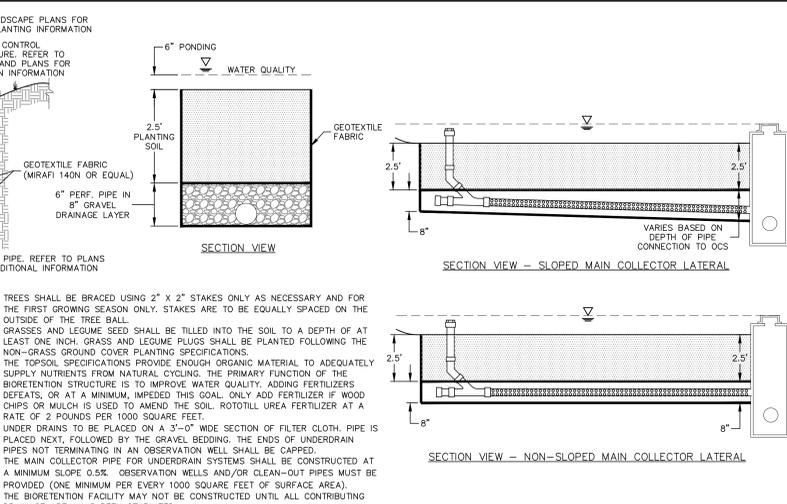
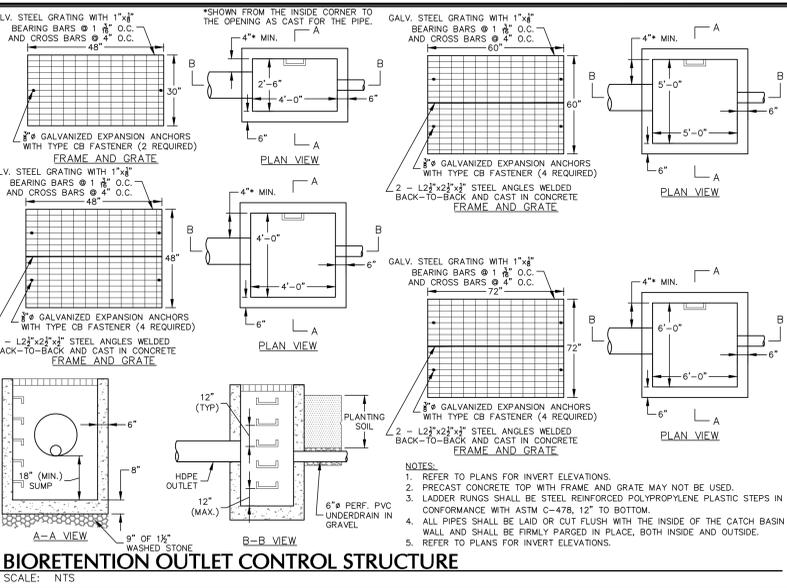
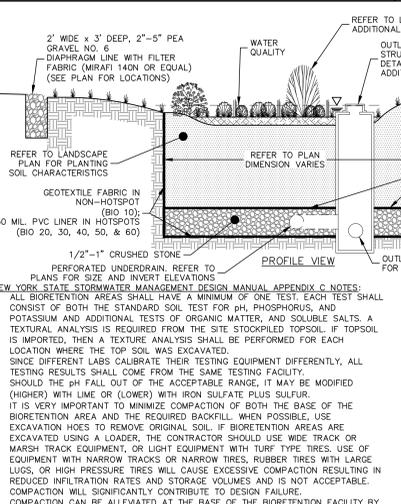
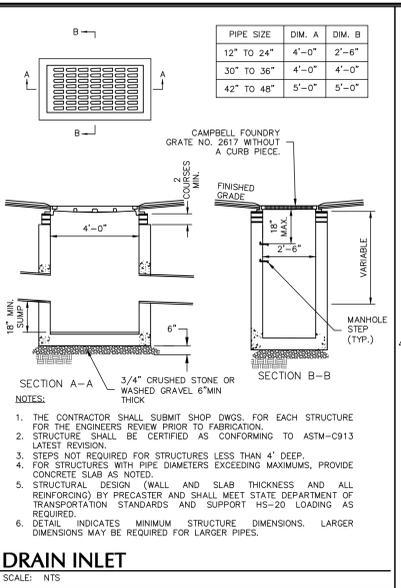
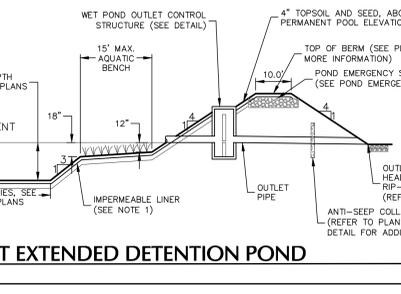
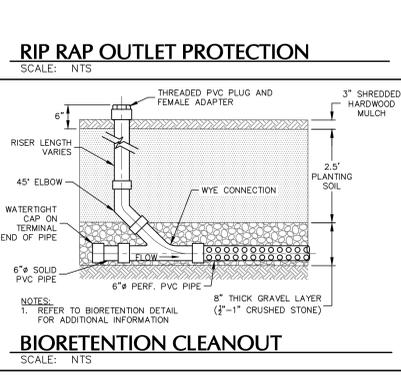
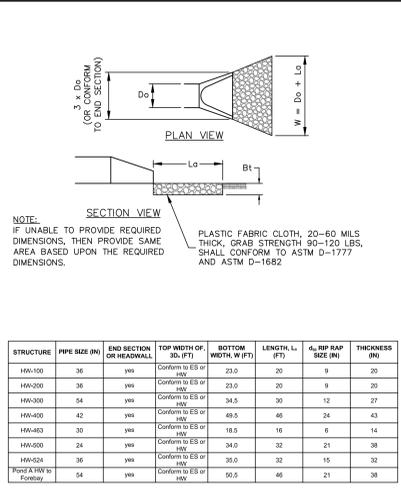
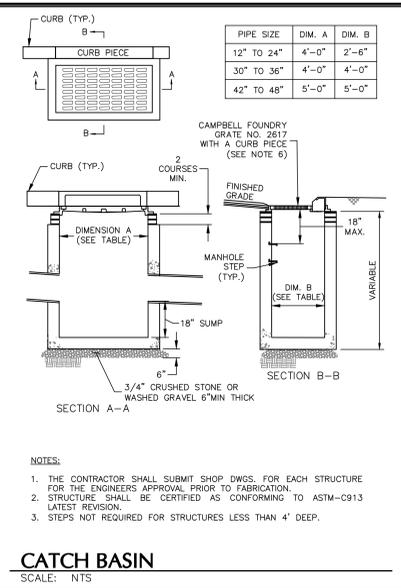
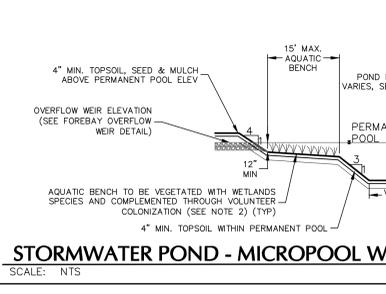
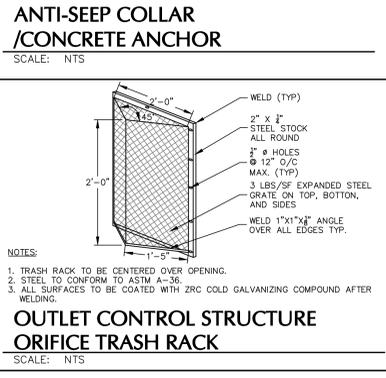
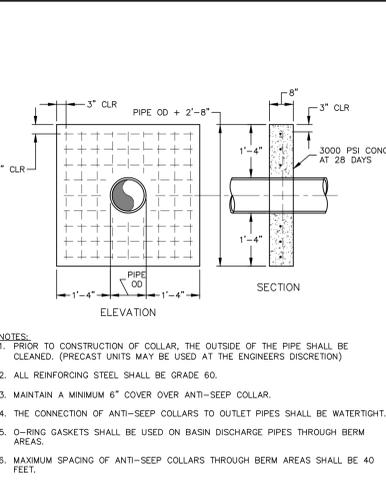
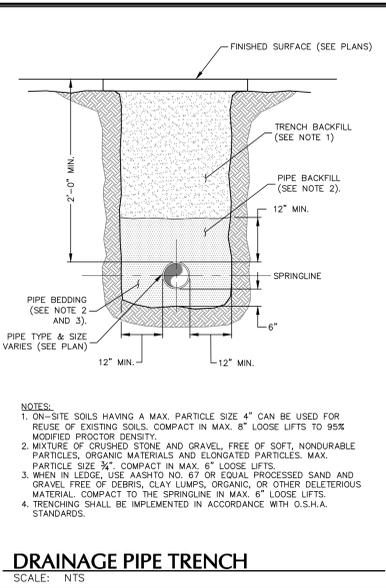
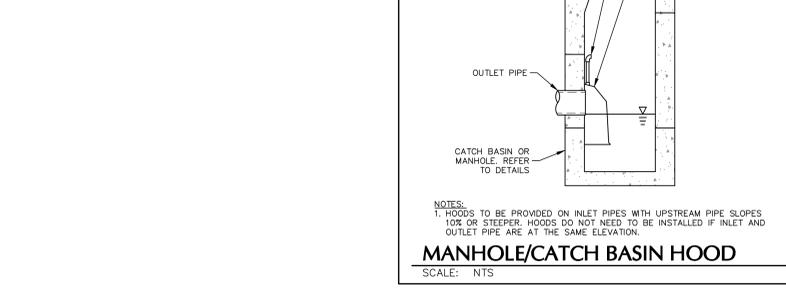
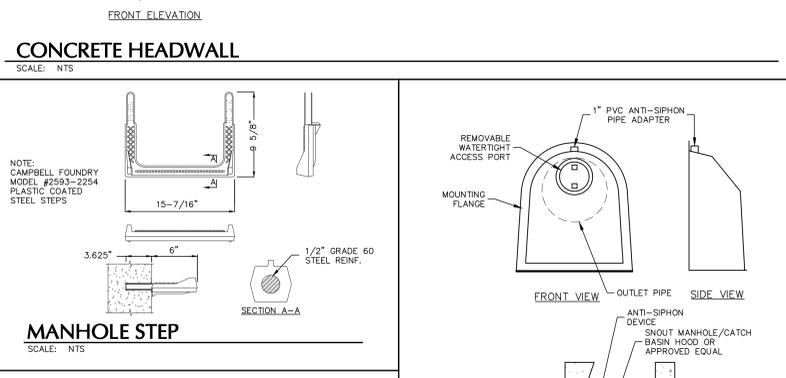
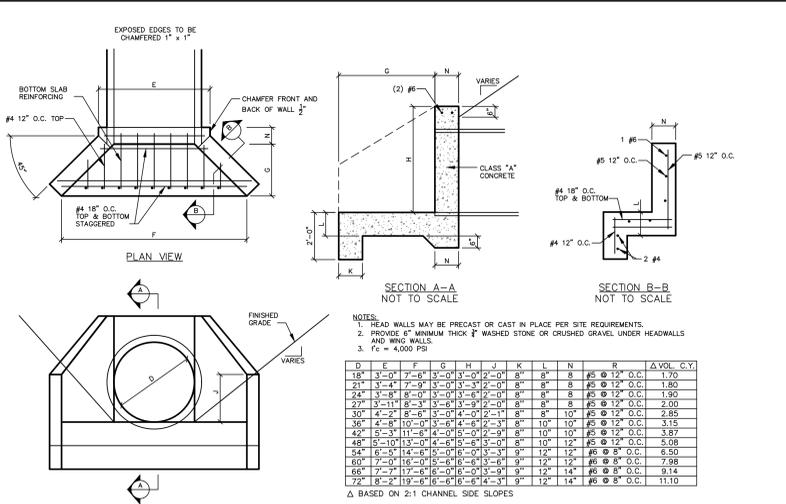
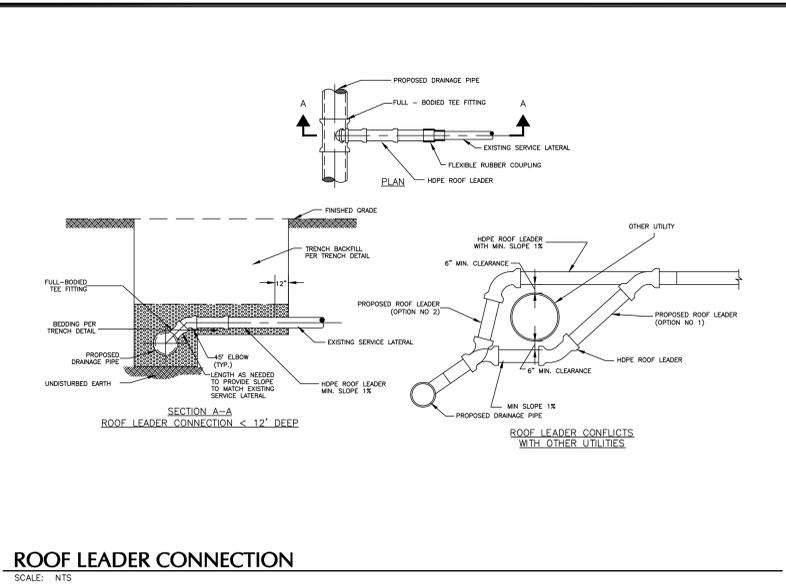
DATE SIGNED
10/13/2021
PROFESSIONAL ENGINEER NY Lic. No. 062303

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Project
**MATRIX LOGISTICS
CENTER AT NEWBURGH**

Drawing Title
SEWER DETAILS

Project No.
190063301
Date
MAY 14, 2021
Drawing No.
CS504



STRUCTURE	TOP OF BERM ELEV.	OVERFLOW WEIR ELEV.	WEIR WIDTH (FT)	TOP WIDTH (FT)	Δ RIP RAP STONE SIZE (IN)	Δ RIP RAP MAX STONE THICKNESS (IN)
POND A FOREBAY	333.0	330.5	15	30	8	12
POND A	338.0	327.0	30	26	8	12
POND B FOREBAY	256.0	254.0	20	32	8	12
POND B	260.0	258.5	20	29	8	12

DATE	REVISIONS	DESCRIPTION	NO.
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07/30/2021	REVISED PER TOWN COMMENTS		2.
05/28/2021	ROUTE 300 TRAFFIC IMPROVEMENTS		1.

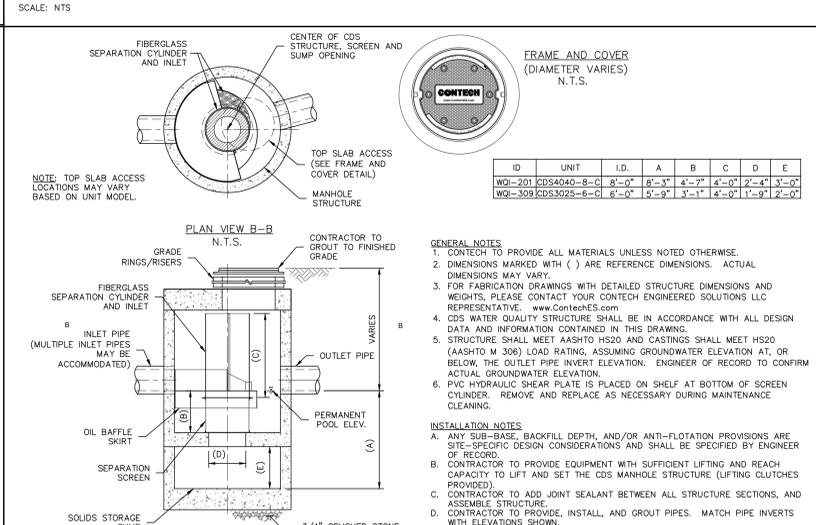
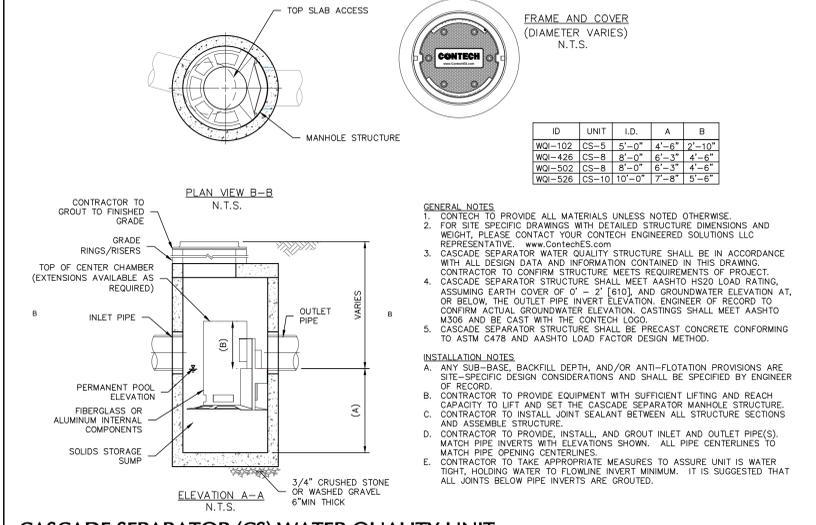
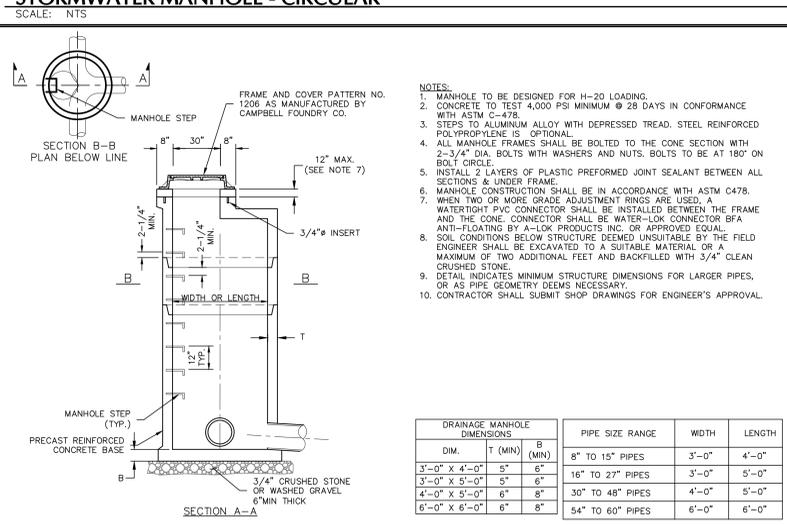
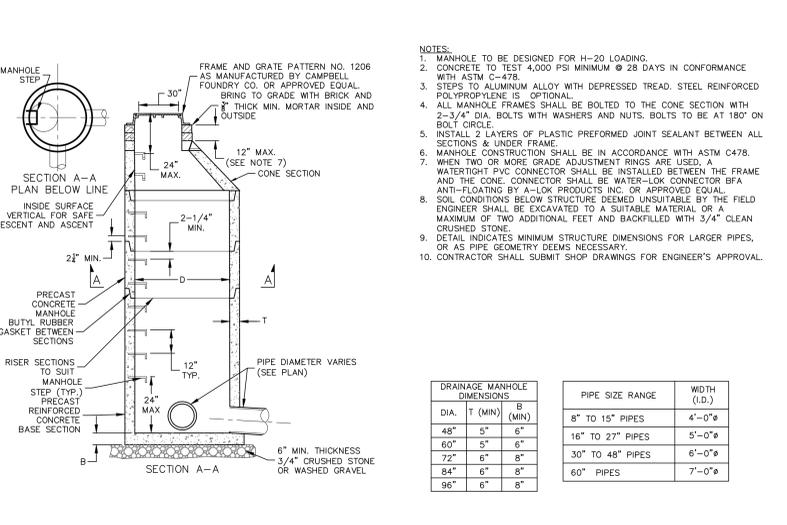
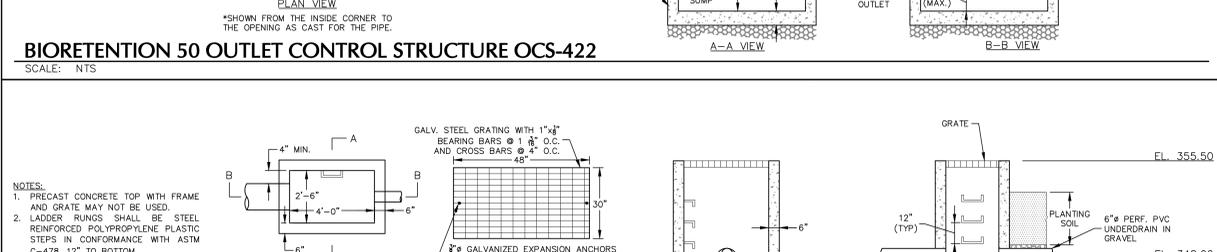
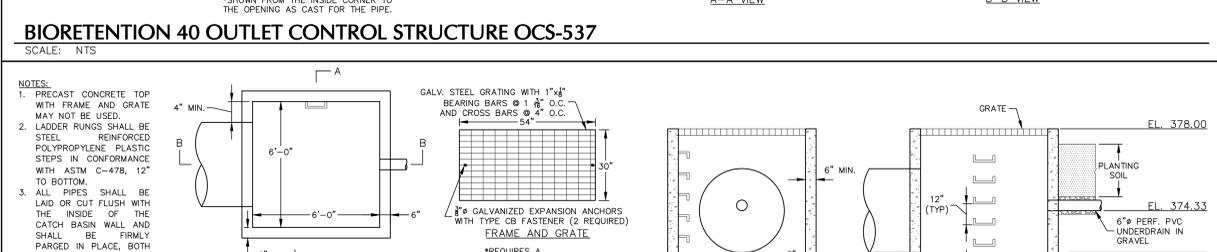
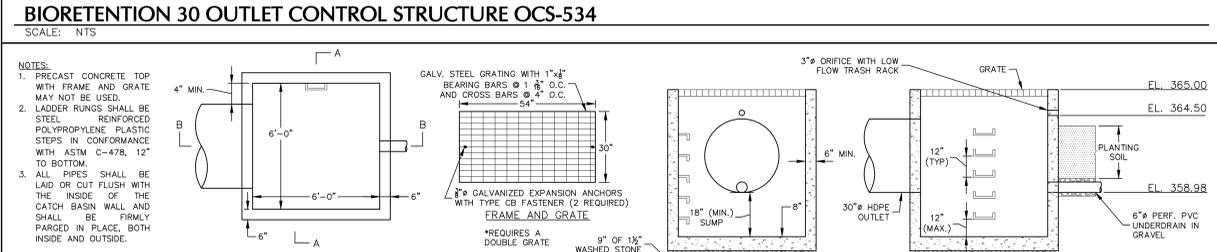
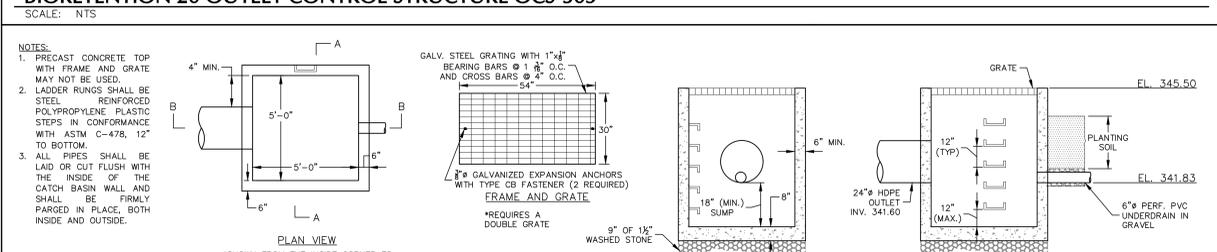
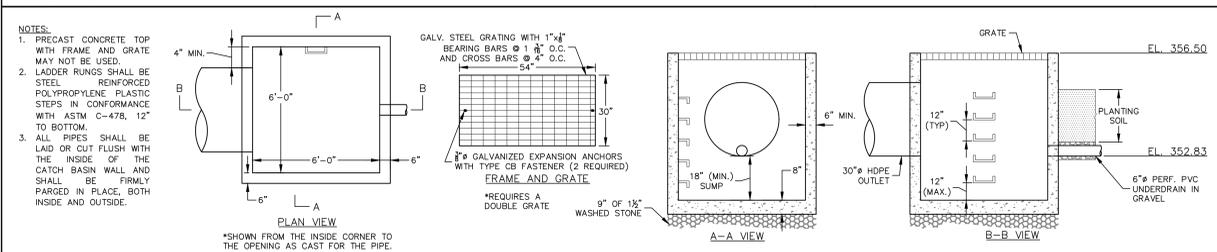
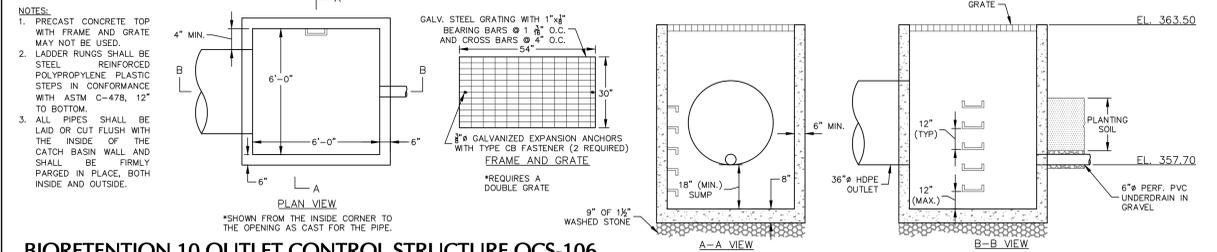
WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, LAND SURVEYOR OR GEOLOGIST, TO ALTER THIS ITEM IN ANY WAY.

STATE OF NEW YORK
Professional Engineer Seal
DATE SIGNED: 10/13/2021
PROFESSIONAL ENGINEER NY Lic. No. 062303

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Project: **MATRIX LOGISTICS CENTER AT NEWBURGH**
Drawing Title: **DRAINAGE DETAILS (1 OF 2)**
Project No.: 190063301
Date: MAY 14, 2021
Drawn By: AWMC
Checked By: CZMF

Project No.: 190063301
Date: MAY 14, 2021
Drawn By: AWMC
Checked By: CZMF
Sheet 42 of 55



DATE	DESCRIPTION	NO.
10/14/2021	REVISED PER TOWN COMMENTS	3.
07/30/2021	REVISED PER TOWN COMMENTS	2.
05/28/2021	ROUTE 300 TRAFFIC IMPROVEMENTS	1.

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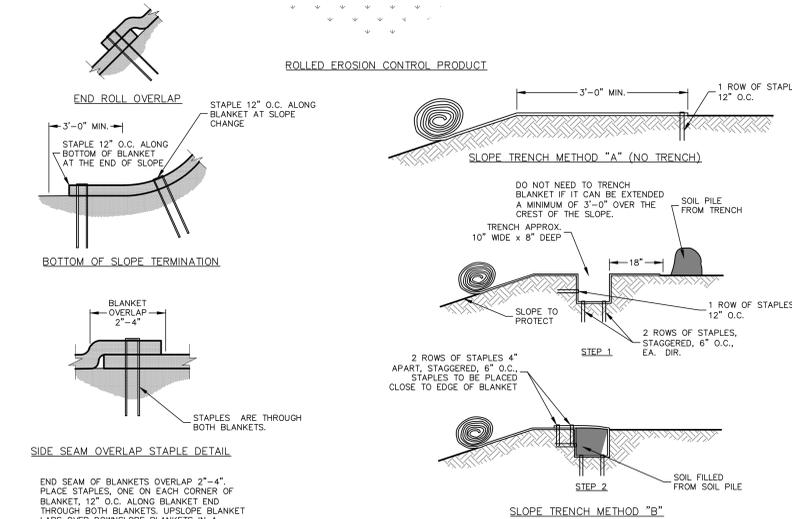
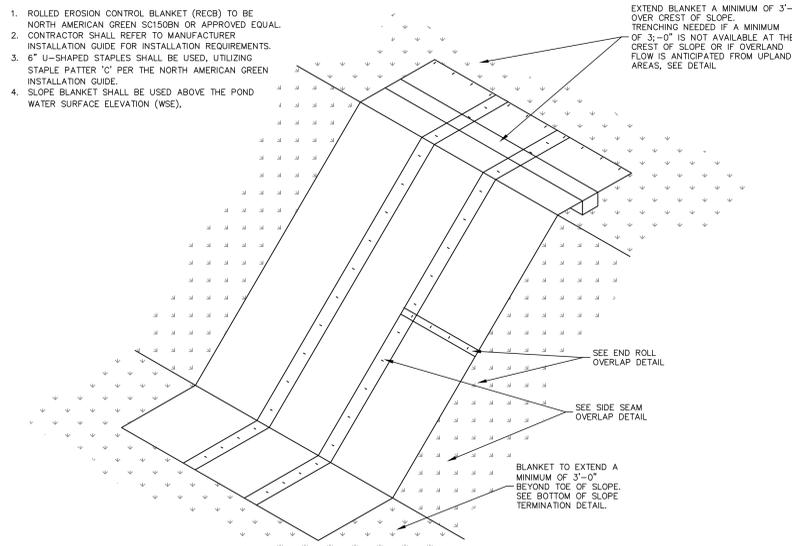
STATE OF NEW YORK
 PROFESSIONAL ENGINEER
 SCHIG JR., P.E.
 No. 062303
 10/13/2021

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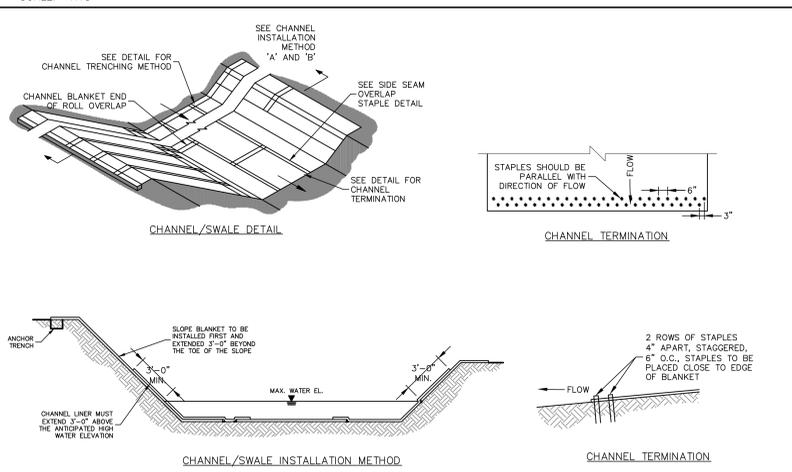
Project: **MATRIX LOGISTICS CENTER AT NEWBURGH**
 Drawing Title: **DRAINAGE DETAILS (2 OF 2)**
 Project No.: **190063301**
 Date: **MAY 14, 2021**
 Drawn By: **AWMC**
 Checked By: **CZMF**
 Project No.: **190063301**
 Date: **MAY 14, 2021**
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DRAINAGE DETAILS (2 OF 2)
 Project No.: **190063301**
 Date: **MAY 14, 2021**
 Drawn By: **AWMC**
 Checked By: **CZMF**
 Project No.: **190063301**
 Date: **MAY 14, 2021**
 Drawn By: **AWMC**
 Checked By: **CZMF**
 Sheet 43 of 55

NOTES:



ROLLED EROSION CONTROL PRODUCT - SLOPE INSTALLATION
SCALE: NTS



ROLLED EROSION CONTROL PRODUCT - CHANNEL/SWALE INSTALLATION
SCALE: NTS

NOTES:

- ROLLED EROSION CONTROL BLANKET (RECB) TO BE NORTH AMERICAN GREEN SC150BN OR APPROVED EQUAL.
- CONTRACTOR SHALL REFER TO MANUFACTURER INSTALLATION GUIDE FOR INSTALLATION REQUIREMENTS.
- 6" U-SHAPED STAPLES SHALL BE USED, UTILIZING STAPLE PATTERN "C" PER THE NORTH AMERICAN GREEN INSTALLATION GUIDE.
- SLOPE BLANKET SHALL BE USED ABOVE THE POND WATER SURFACE ELEVATION (WSE).

CONSTRUCTION SPECIFICATIONS:

- CONCRETE WASHOUT SIGN TO BE INSTALLED WITHIN 30 FEET OF THE TEMPORARY CONCRETE WASHOUT FACILITY.
- REMOVE HARDEN CONCRETE WITHIN 4" FROM TOP OF STRUCTURE.
- CONSTRUCT NEW FACILITIES ONCE CURRENT FACILITIES ARE TWO-THIRDS FULL.
- LINKS, HAY BALES, ETC. SHALL BE INSPECTED FOR DAMAGE. ANY DAMAGE SHALL BE REPAIR PROMPTLY.

DETAIL NOTES:

- CONTRACTOR TO USE THE 6" UNDERDRAIN OPENING IN THE OUTLET CONTROL STRUCTURE TO CONNECT TO TEMPORARY DEWATERING DEVICE. WHERE UNDERDRAINS ARE NOT REQUIRED, THE TEMPORARY 6" OPENING IN THE OUTLET CONTROL STRUCTURE SHALL BE PATCHED.

CONSTRUCTION SPECIFICATIONS:

- INSTALL OUTLET CONTROL STRUCTURE, BOARD UP ORIFICES, SLOTS, AND TOP OF STRUCTURE.
- TEMPORARY SEDIMENT BASIN TO BE EXCAVATED TO THE TOP OF THE GRAVEL LAYER OF THE BIOTENTION AREA AND ADJACENT BENCH OF THE STORMWATER POND. SOIL RESTORATION TO BE PERFORMED AS NECESSARY. SOILS TO BE RESTORED SHALL BE AERATED. AERATION INCLUDES THE USE OF MACHINES SUCH AS TRACTOR-DRAWN IMPLEMENTS WITH CULTURERS MAKING A NARROW SILT IN THE SOILS, A ROLLER WITH MANY SPIKES MAKING INDENTATION IN THE SOILS, OR PRONGS WHICH FUNCTION LIKE A MINI-SUBSOILER.
- ONCE SITE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED, THE TEMPORARY SEDIMENT BASIN SHALL BE CLEANED AND EXCAVATED FOR THE INSTALLATION OF THE BIOTENTION AREAS AND STORMWATER POND. ALL ACCUMULATED SEDIMENT WITHIN THE TEMPORARY SEDIMENT BASIN SHALL BE REMOVED.
- SEE SEDIMENT BASIN DEWATERING STRUCTURE FOR ADDITIONAL INFORMATION ON DEWATERING THE TEMPORARY SEDIMENT BASIN.

LOCATION	DRAINAGE AREA (AC)	REQUIRED VOLUME (CF)	DEPTH (FT)	REQUIRED SURFACE AREA (SF)	BOTTOM OF BASIN ELEV.	BERM ELEV.	BERM WIDTH (FT)	BASELINE CLEANOUT ELEV. (FT)
Access Road - Sediment Trap	1.8	6,512	5.0	3,256	359.0	363.0	4	361.5
LOCATION	DRAINAGE AREA (AC)	REQUIRED SEDIMENT STORAGE VOLUME (CF)	REQUIRED DEWATERING ZONE VOLUME (CF)	TOTAL REQUIRED VOLUME (CF)	BOTTOM OF BASIN ELEV.	BERM ELEV.	BERM WIDTH (FT)	BASELINE CLEANOUT ELEV. (FT)
Sediment Basin 1	27.9	27,900	100,440	128,340	350.0	358	8	351.0
Sediment Basin 2	20.3	20,300	73,080	93,380	356.0	351	8	352
Sediment Basin 3	8.0	8,000	28,800	36,800	340.0	350	5	341

CONSTRUCTION SPECIFICATIONS:

- EXCAVATE A SHALLOW TRENCH SLIGHTLY BELOW BASEFLOW OR A 4" TRENCH ON SLOPE CONTOURS.
- PLACE THE ROLL IN THE TRENCH AND ANCHOR WITH 2" X 2" POSTS PLACED ON BOTH SIDES OF THE ROLL AND SPACED LATERALLY ON 2' TO 4' CENTERS. TRIM THE TOP OF THE POSTS EVEN WITH THE EDGE OF THE ROLL, IF NECESSARY.
- NOTCH THE POSTS AND THE TOGETHER, ACROSS THE ROLL, WITH 9 GAUGE GALVANIZED WIRE OR 1/2" DIAMETER BRAIDED NYLON ROPE.
- PLACE SOIL EXCAVATED FROM THE TRENCH BEHIND THE ROLL AND HAND TAMP. PLANT WITH SUITABLE HERBACEOUS OR WOODY VEGETATION AS SPECIFIED ELSEWHERE IN THE CONTRACT DOCUMENTS. VEGETATION SHALL BE PLACED IMMEDIATELY ADJACENT TO THE ROLL TO PROMOTE ROOT GROWTH INTO THE FIBER. HERBACEOUS VEGETATION, IF SPECIFIED, SHALL BE PLANTED INTO THE FIBER.

CONSTRUCTION SPECIFICATIONS:

- STONE SHALL BE 2 TO 9 INCHES IN SIZE (NYS DOT LIGHT STONE FILL MEETS THESE REQUIREMENTS). STONE SHALL BE PLACED ON A FILTER FABRIC FOUNDATION TO THE LINES, GRADES AND LOCATIONS SHOWN ON THE PLAN.
- SET SPACING OF CHECK DAMS AS INDICATED ON PLANS. THE TOE OF THE UPSTREAM CHECK DAM SHALL BE AT THE SAME ELEVATION AS THE CREST OF THE CHECK DAM IMMEDIATELY DOWNSTREAM.
- EXTEND THE STONE A MINIMUM OF 1.5 FEET BEYOND THE DITCH BANKS TO PREVENT CUTTING AROUND THE DAM.
- PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND CHANNEL WITH STONE OR LINER AS APPROPRIATE.
- ENSURE THAT CHANNEL APPURTENANCES SUCH AS CULVERT ENTRANCES BELOW CHECK DAM ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONE.

TYPE OF TREATMENT	CHANNEL GRADE	A (5-AC OR LESS)	B (5-10 AC)
1	0.5-3.0%	SEED AND STRAW MULCH	SEED AND STRAW MULCH
2	3.1-5.0%	SEED AND STRAW MULCH	SEED USING JUTE OR EXCELISOR
3	5.1-8.0%	SEED WITH JUTE OR EXCELISOR, SOD	LINED RIP-RAP 4-8" RECYCLED CONCRETE EQUIVALENT
4	8.1-20%	LINED 4-8" RIP-RAP	ENGINEERED DESIGN

CONSTRUCTION SPECIFICATIONS:

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- PLACE THE ROLL IN THE TRENCH AND ANCHOR WITH 2" X 2" POSTS PLACED ON BOTH SIDES OF THE ROLL AND SPACED LATERALLY ON 2' TO 4' CENTERS. TRIM THE TOP OF THE POSTS EVEN WITH THE EDGE OF THE ROLL, IF NECESSARY.
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CONSTRUCTION SPECIFICATIONS:

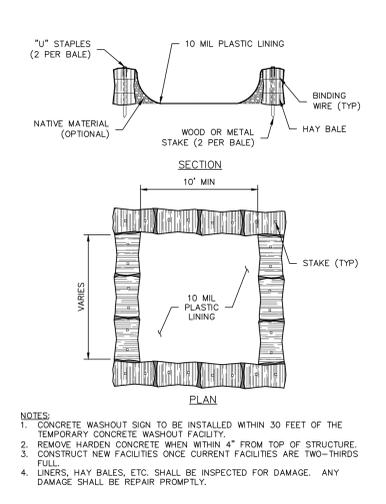
- STONE SHALL BE 2 TO 9 INCHES IN SIZE (NYS DOT LIGHT STONE FILL MEETS THESE REQUIREMENTS). STONE SHALL BE PLACED ON A FILTER FABRIC FOUNDATION TO THE LINES, GRADES AND LOCATIONS SHOWN ON THE PLAN.
- SET SPACING OF CHECK DAMS AS INDICATED ON PLANS. THE TOE OF THE UPSTREAM CHECK DAM SHALL BE AT THE SAME ELEVATION AS THE CREST OF THE CHECK DAM IMMEDIATELY DOWNSTREAM.
- EXTEND THE STONE A MINIMUM OF 1.5 FEET BEYOND THE DITCH BANKS TO PREVENT CUTTING AROUND THE DAM.
- PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND CHANNEL WITH STONE OR LINER AS APPROPRIATE.
- ENSURE THAT CHANNEL APPURTENANCES SUCH AS CULVERT ENTRANCES BELOW CHECK DAM ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONE.

CONSTRUCTION SPECIFICATIONS:

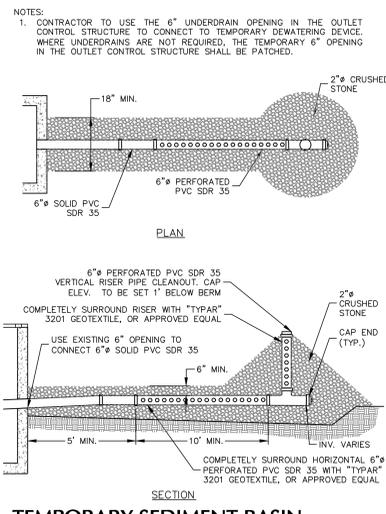
- STONE SIZE - USE 3" STONE (NYS DOT ITEM #23.11 SIZE DESIGNATION #2, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT).
- LENGTH - NOT LESS THAN 50 FEET (EXCEPT ON SINGLE FAMILY LOT, 30-FOOT MINIMUM LENGTH WOULD APPLY).
- THICKNESS - NOT LESS THAN SIX (6) INCHES.
- WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SIGHT.
- FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
- SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE, IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
- MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
- WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

CONSTRUCTION SPECIFICATIONS:

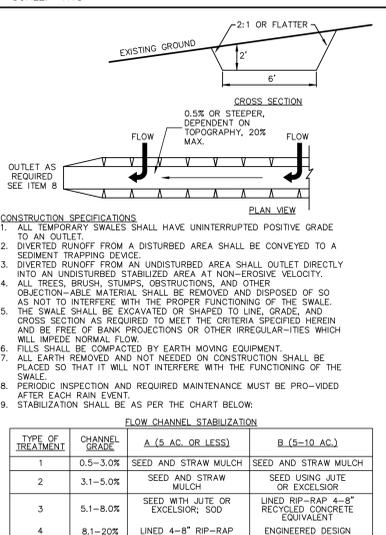
- CONTRACTOR TO MONITOR CONDITION OF ALL EROSION CONTROL DEVICES ON A REGULAR BASIS; AT LEAST ONCE PER WEEK & AFTER EVALUATION OF SLOPE STABILIZATION, RUNOFF-GENERATING STORM EVENT.
- DEVICES TO BE EMPLOYED / CLEANED AS NEEDED.



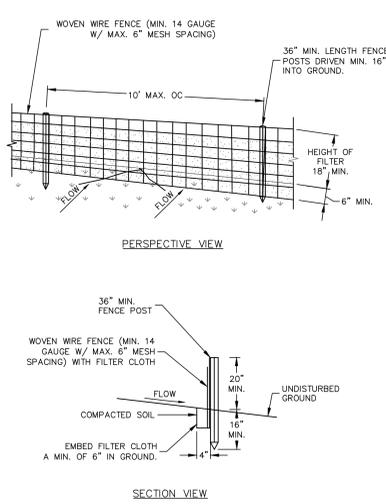
ABOVE GROUND TEMPORARY CONCRETE WASHOUT FACILITY
SCALE: NTS



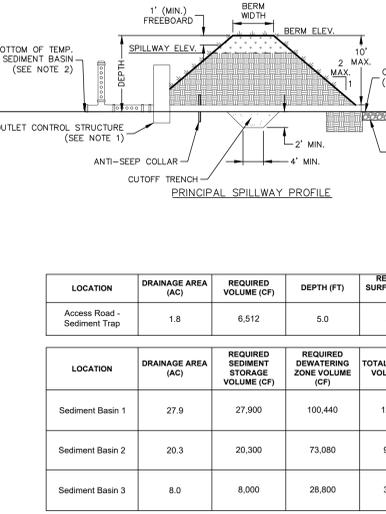
TEMPORARY SEDIMENT BASIN DEWATERING DEVICE
SCALE: NTS



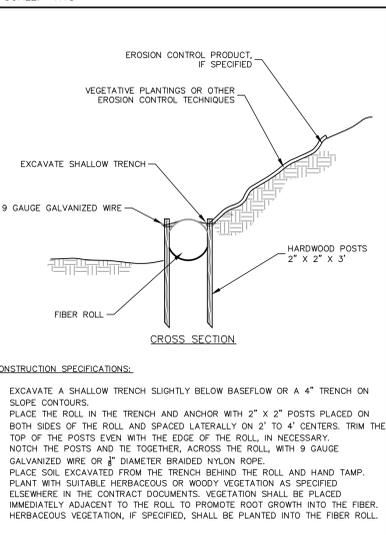
TEMPORARY DIVERSION SWALE
SCALE: NTS



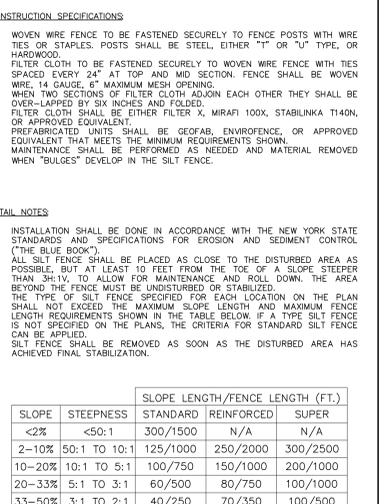
SILT FENCE
SCALE: NTS



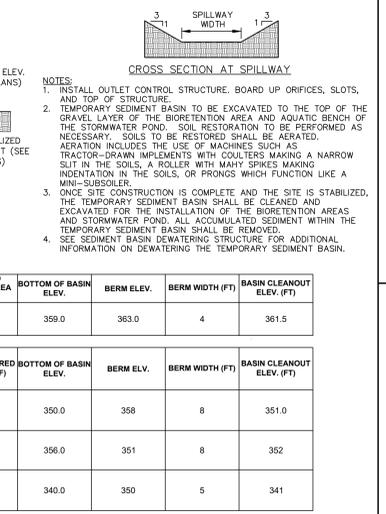
ORANGE CONSTRUCTION FENCE
SCALE: NTS



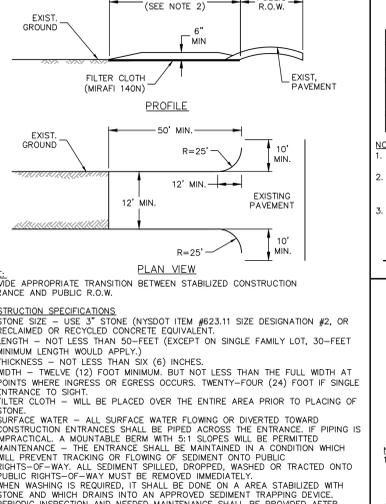
STONE CHECK DAM
SCALE: NTS



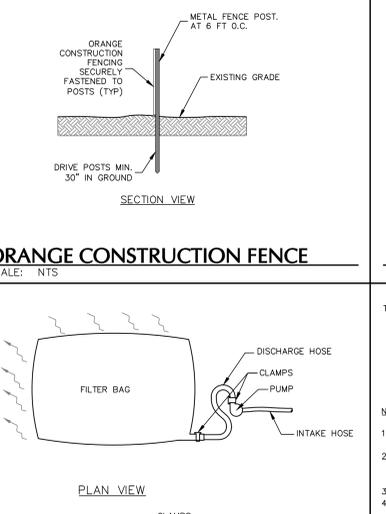
FILTER SACK/BAG
SCALE: NTS



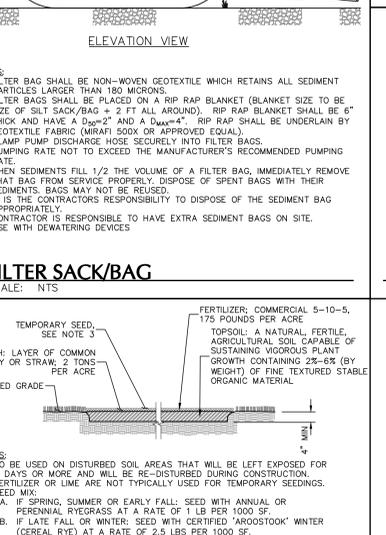
TEMPORARY VEGETATIVE COVER
SCALE: NTS



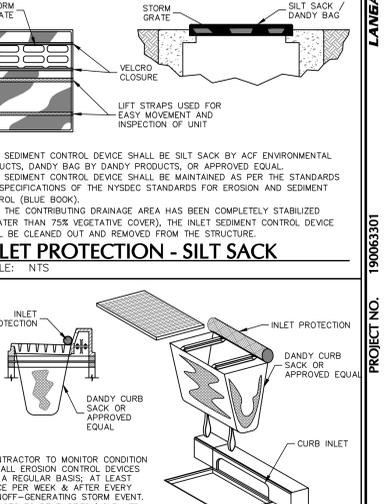
STABILIZED CONSTR. ENTRANCE
SCALE: NTS



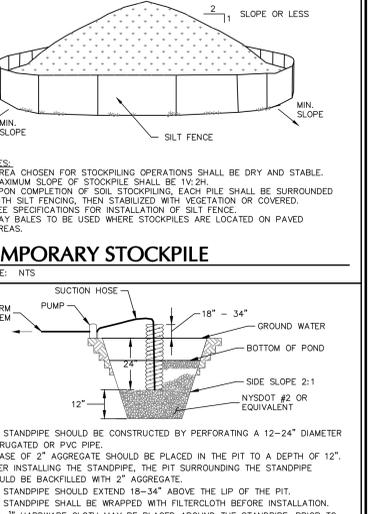
INLET PROTECTION - SILT SACK
SCALE: NTS



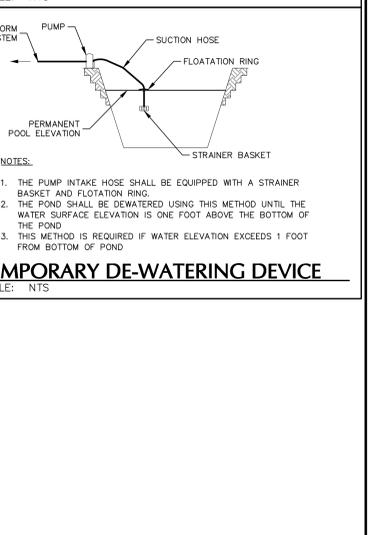
INLET PROTECTION - DANDY SACK
SCALE: NTS



TEMPORARY STOCKPILE
SCALE: NTS



TEMPORARY DE-WATERING SUMP PIT
SCALE: NTS



TEMPORARY DE-WATERING DEVICE
SCALE: NTS



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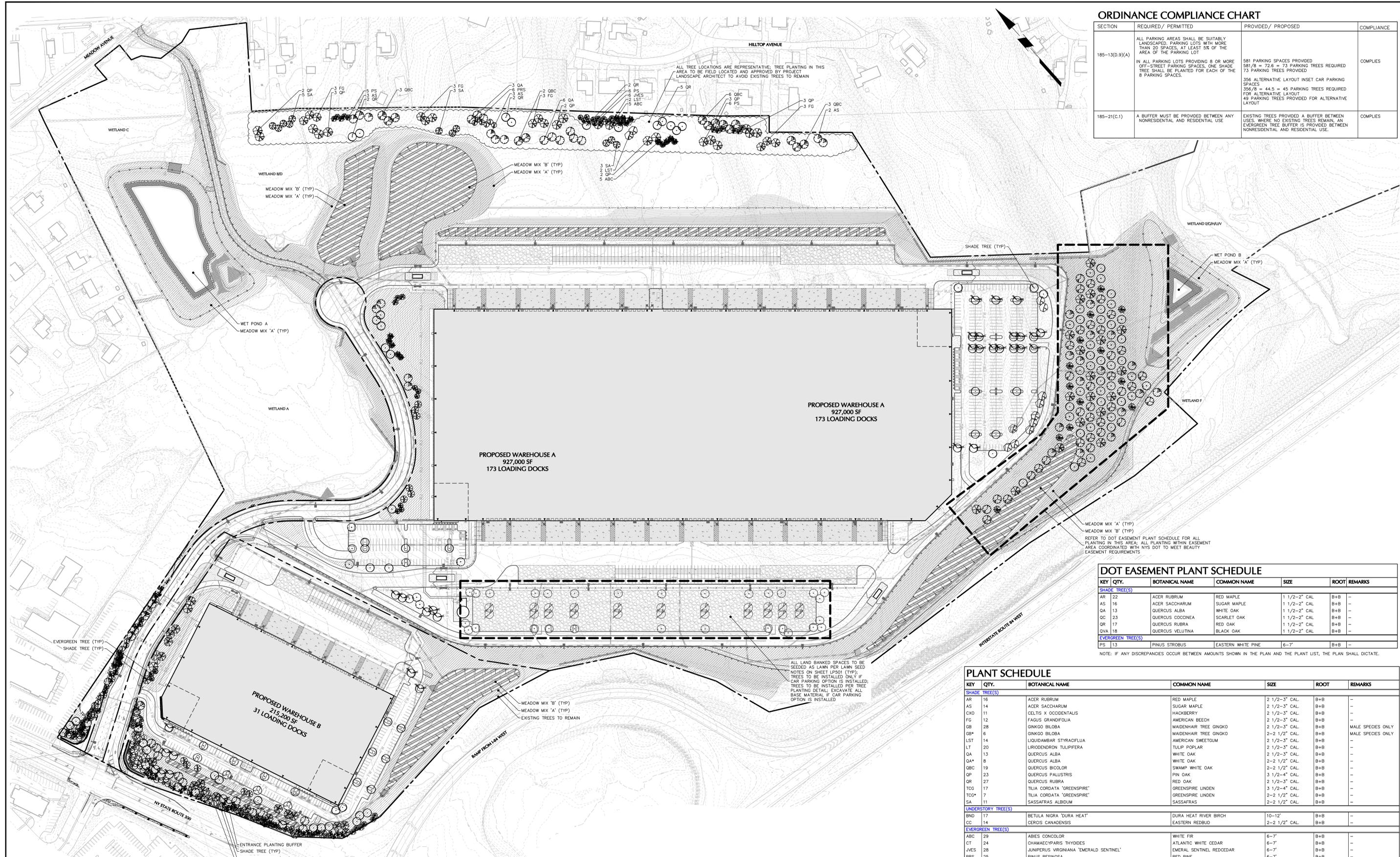
Project
MATRIX LOGISTICS CENTER AT NEWBURGH
ORANGE COUNTY NEW YORK

Drawing Title
EROSION & SEDIMENT CONTROL DETAILS
TOWN OF NEWBURGH

Project No.
190063301
Date
MAY 14, 2021
Drawing No.
CS507
Checked By
AW/MC
Sheet 44 of 55

ORDINANCE COMPLIANCE CHART

SECTION	REQUIRED / PERMITTED	PROVIDED / PROPOSED	COMPLIANCE
185-13(D.9)(A)	ALL PARKING AREAS SHALL BE SUITABLY LANDSCAPED. PARKING LOTS WITH MORE THAN 20 SPACES, AT LEAST 5% OF THE AREA OF THE PARKING LOT IN ALL PARKING LOTS PROVIDING 8 OR MORE OFF-STREET PARKING SPACES, ONE SHADE TREE SHALL BE PLANTED FOR EACH OF THE 8 PARKING SPACES.	581 PARKING SPACES PROVIDED 581/8 = 72.6 = 73 PARKING TREES REQUIRED 73 PARKING TREES PROVIDED 356 ALTERNATIVE LAYOUT INSET CAR PARKING SPACES 356/8 = 44.5 = 45 PARKING TREES REQUIRED FOR ALTERNATIVE LAYOUT 49 PARKING TREES PROVIDED FOR ALTERNATIVE LAYOUT	COMPLIES
185-21(C.1)	A BUFFER MUST BE PROVIDED BETWEEN ANY NONRESIDENTIAL AND RESIDENTIAL USE.	EXISTING TREES PROVIDED A BUFFER BETWEEN USES, WHERE NO EXISTING TREES REMAIN, AN EVERGREEN TREE BUFFER IS PROVIDED BETWEEN NONRESIDENTIAL AND RESIDENTIAL USE.	COMPLIES



DOT EASEMENT PLANT SCHEDULE

KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
SHADE TREE(S)						
AR	22	ACER RUBRUM	RED MAPLE	1 1/2-2" CAL	B+B	-
AS	16	ACER SACCHARUM	SUGAR MAPLE	1 1/2-2" CAL	B+B	-
QA	13	QUERCUS ALBA	WHITE OAK	1 1/2-2" CAL	B+B	-
QC	23	QUERCUS COCCINEA	SCARLET OAK	1 1/2-2" CAL	B+B	-
QR	17	QUERCUS RUBRA	RED OAK	1 1/2-2" CAL	B+B	-
QVA	18	QUERCUS VELUTINA	BLACK OAK	1 1/2-2" CAL	B+B	-
EVERGREEN TREE(S)						
PS	13	PINUS STROBUS	EASTERN WHITE PINE	6-7"	B+B	-

NOTE: IF ANY DISCREPANCIES OCCUR BETWEEN AMOUNTS SHOWN IN THE PLAN AND THE PLANT LIST, THE PLAN SHALL DICTATE.

PLANT SCHEDULE

KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
SHADE TREE(S)						
AR	16	ACER RUBRUM	RED MAPLE	2 1/2-3" CAL	B+B	-
AS	14	ACER SACCHARUM	SUGAR MAPLE	1 1/2-3" CAL	B+B	-
CXO	11	CELTIS X OCCIDENTALIS	HACKBERRY	2 1/2-3" CAL	B+B	-
FG	12	FAGUS GRANDIFOLIA	AMERICAN BEECH	2 1/2-3" CAL	B+B	-
GB	28	GINKGO BILوبا	MAIDENHAIR TREE GINKGO	2 1/2-3" CAL	B+B	MALE SPECIES ONLY
GB*	6	GINKGO BILوبا	MAIDENHAIR TREE GINKGO	2-2 1/2" CAL	B+B	MALE SPECIES ONLY
LST	14	LIQUIDAMBAR STYRACIFLUA	AMERICAN SWEETGUM	2 1/2-3" CAL	B+B	-
LT	20	LIRIODENDRON TULIPIFERA	TULIP POPLAR	2 1/2-3" CAL	B+B	-
QA	13	QUERCUS ALBA	WHITE OAK	2 1/2-3" CAL	B+B	-
QA*	8	QUERCUS ALBA	WHITE OAK	2-2 1/2" CAL	B+B	-
QBC	19	QUERCUS BICOLOR	SWAMP WHITE OAK	2-2 1/2" CAL	B+B	-
QP	23	QUERCUS PALUSTRIS	PIN OAK	3 1/2-4" CAL	B+B	-
QR	27	QUERCUS RUBRA	RED OAK	2 1/2-3" CAL	B+B	-
TCG	17	TILIA CORDATA 'GREENSPIRE'	GREENSPIRE LINDEN	3 1/2-4" CAL	B+B	-
TCC*	7	TILIA CORDATA 'GREENSPIRE'	GREENSPIRE LINDEN	2-2 1/2" CAL	B+B	-
SA	11	SASSAFRAS ALBIDUM	SASSAFRAS	2-2 1/2" CAL	B+B	-
UNDERSTORY TREE(S)						
BND	17	BETULA NIGRA 'DURA HEAT'	DURA HEAT RIVER BIRCH	10-12"	B+B	-
CC	14	CERIS CANADENSIS	EASTERN REDBUD	2-2 1/2" CAL	B+B	-
EVERGREEN TREE(S)						
ABC	29	ABIES CONCOLOR	WHITE FIR	6-7"	B+B	-
CT	24	CHAMAECYPARIS THYOIDES	ATLANTIC WHITE CEDAR	6-7"	B+B	-
JVES	28	JUNIPERUS VIRGINIANA 'EMERALD SENTINEL'	EMERALD SENTINEL REDCEDAR	6-7"	B+B	-
PRS	25	PINUS RESINOSA	RED PINE	6-7"	B+B	-
PS	38	PINUS STROBUS	EASTERN WHITE PINE	6-7"	B+B	-
EVERGREEN SHRUB(S)						
IBPR	33	ILEX X MESERVAE 'BLUE PRINCESS'	BLUE PRINCESS HOLLY	30-36"	B+B	-
MP	56	MIRICA PENNSYLVANICA	NORTHERN HAZELBERRY	30-36"	B+B	-
ORNAMENTAL GRASS(ES)						
PVMH	69	PANICUM VIRGATUM 'HEAVY METAL'	HEAVY METAL SWITCH GRASS	2 GAL.	CONTAINER	-
SSCD	151	SCHIZACHYRIUM SCOPARILUM	LITTLE BLUESTEM	2 GAL.	CONTAINER	-

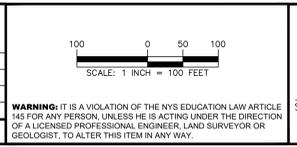
NOTE: IF ANY DISCREPANCIES OCCUR BETWEEN AMOUNTS SHOWN IN THE PLAN AND THE PLANT LIST, THE PLAN SHALL DICTATE.

LANDBANKED CAR PARKING PLANT SCHEDULE

KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
SHADE TREE(S)						
AR	29	ACER RUBRUM	RED MAPLE	2 1/2-3" CAL	B+B	-
GTSB	22	GLEDITSIA TRIACANTHOS INERMIS 'SUNBURST'	SUNBURST HONEY LOCUST	2 1/2-3" CAL	B+B	-

NOTE: IF ANY DISCREPANCIES OCCUR BETWEEN AMOUNTS SHOWN IN THE PLAN AND THE PLANT LIST, THE PLAN SHALL DICTATE.

DATE	DESCRIPTION	NO.
10/14/2021	REVISED PER TOWN COMMENTS	3.
07/30/2021	REVISED PER TOWN COMMENTS	2.
05/28/2021	ROUTE 300 TRAFFIC IMPROVEMENTS	1.

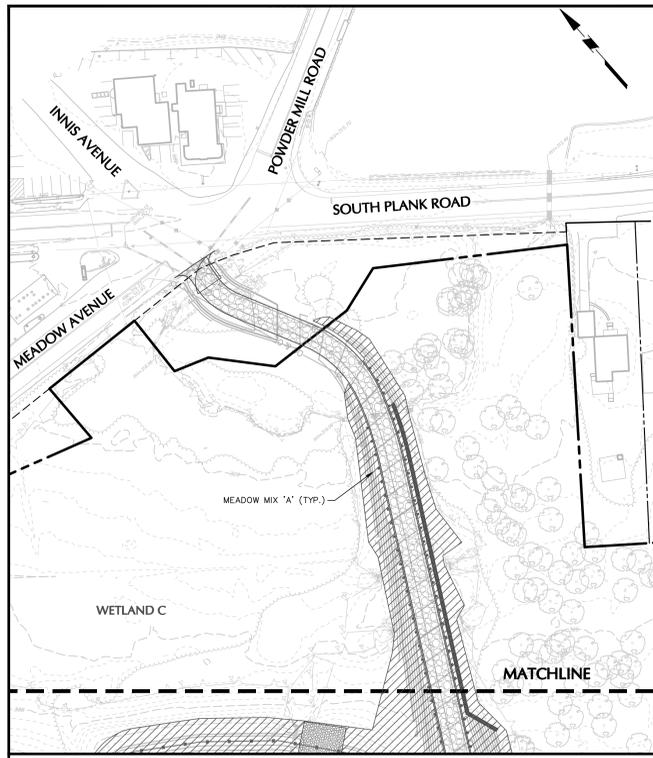


SIGNATURE:  DATE SIGNED: _____
MICHAEL SZURA, RLA
LANDSCAPE ARCHITECT NY Lic. No. 001901

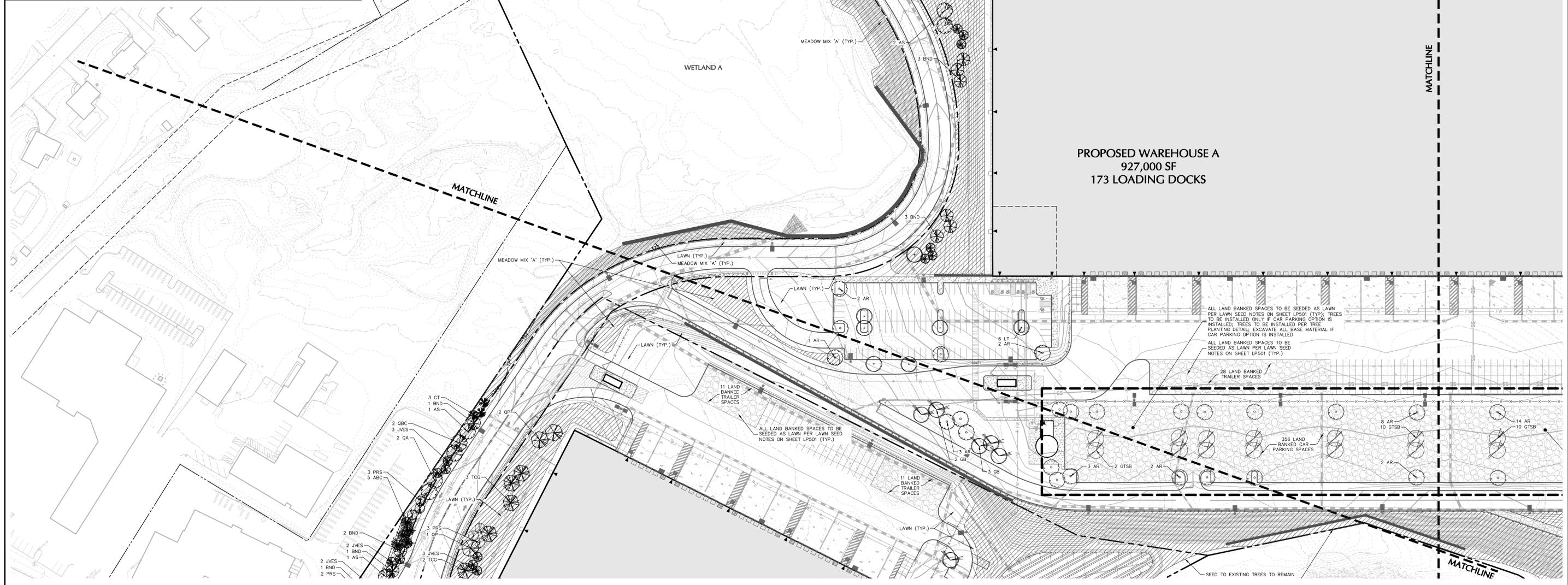
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Project: **MATRIX LOGISTICS CENTER AT NEWBURGH**
Drawing Title: **OVERALL PLANTING PLAN**
Project No.: **190063301**
Date: **MAY 14, 2021**
Drawn By: **MJ**
Checked By: **MH**
ORANGE COUNTY NEW YORK

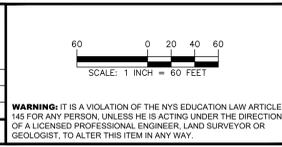
Drawing No.: **LP100**
Sheet 45 of 55



ROADWAY INSET
1" = 60'



DATE	DESCRIPTION	No.
07/30/2021	REVISED PER TOWN COMMENTS	2.
05/28/2021	ROUTE 300 TRAFFIC IMPROVEMENTS	1.



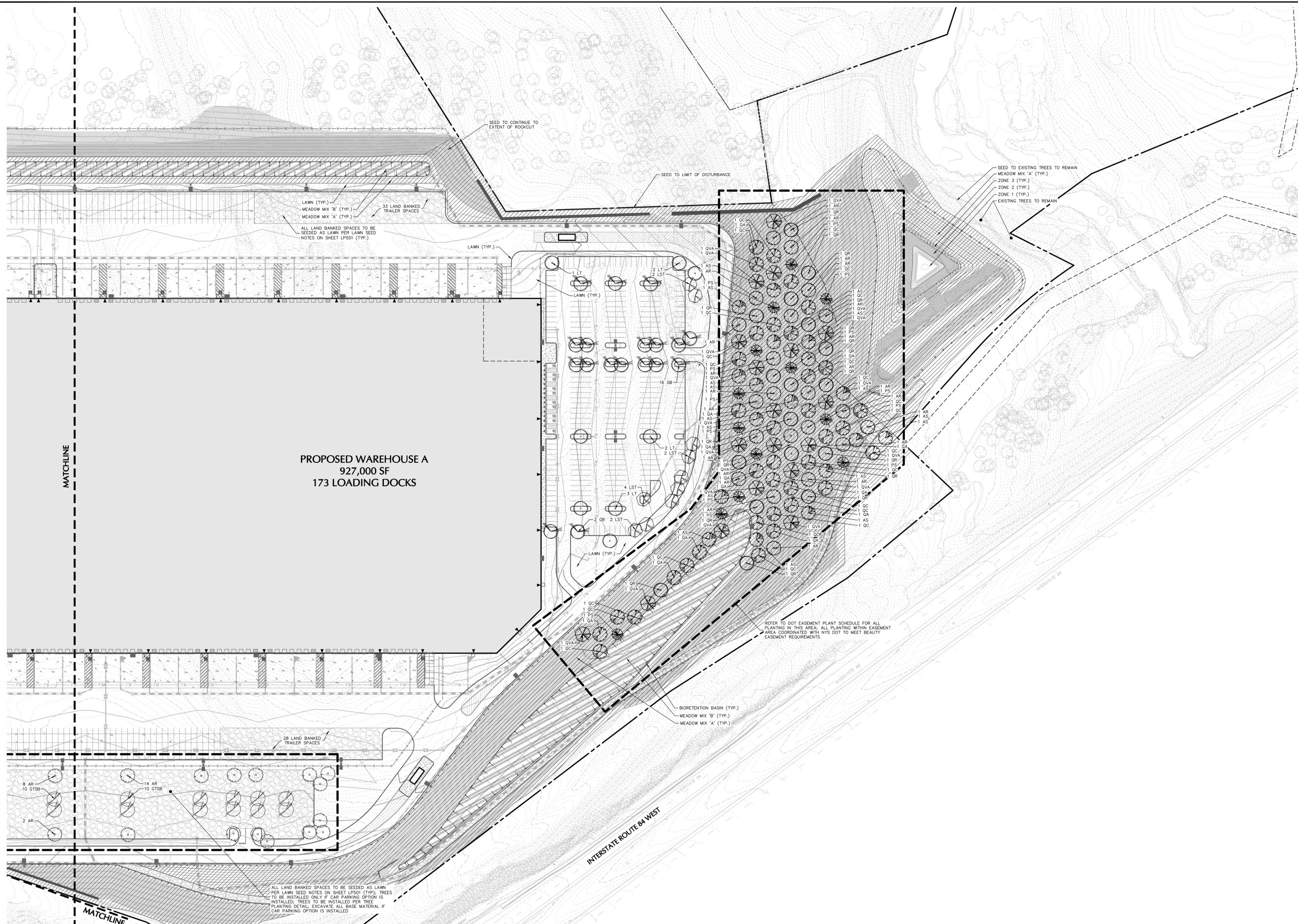
SIGNATURE:  DATE SIGNED: _____
MICHAEL SZURA, RLA
LANDSCAPE ARCHITECT NY Lic. No. 001901

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Project: **MATRIX LOGISTICS CENTER AT NEWBURGH**
Drawing Title: **PLANTING PLAN (2 OF 3)**
Project No.: **190063301**
Date: **MAY 14, 2021**
Drawn By: **MJ**
Checked By: **MH**
TOWN OF NEWBURGH
ORANGE COUNTY NEW YORK

Sheet 47 of 55

PROJECT NO. 190063301 LANGAN



PROPOSED WAREHOUSE A
927,000 SF
173 LOADING DOCKS

MATCHLINE

MATCHLINE

LAWN (TYP.)
MEADOW MIX 'B' (TYP.)
MEADOW MIX 'A' (TYP.)
ALL LAND BANKED SPACES TO BE SEEDED AS LAWN PER LAWN SEED NOTES ON SHEET LP501 (TYP.)

SEED TO CONTINUE TO EXTENT OF ROCKCUT

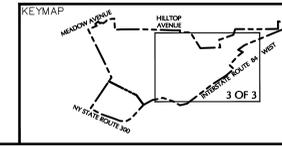
SEED TO LIMIT OF DISTURBANCE

SEED TO EXISTING TREES TO REMAIN
MEADOW MIX 'A' (TYP.)
ZONE 3 (TYP.)
ZONE 2 (TYP.)
ZONE 1 (TYP.)
EXISTING TREES TO REMAIN

REFER TO DOT EASEMENT PLANT SCHEDULE FOR ALL PLANTING IN THIS AREA; ALL PLANTING WITHIN EASEMENT AREA COORDINATED WITH NYS DOT TO MEET BEAUTY EASEMENT REQUIREMENTS

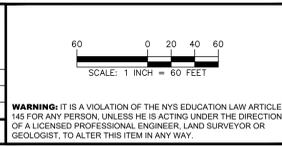
BIORETENTION BASIN (TYP.)
MEADOW MIX 'B' (TYP.)
MEADOW MIX 'A' (TYP.)

ALL LAND BANKED SPACES TO BE SEEDED AS LAWN PER LAWN SEED NOTES ON SHEET LP501 (TYP.); TREES TO BE INSTALLED ONLY IF CAR PARKING OPTION IS INSTALLED; TREES TO BE INSTALLED PER TREE PLANTING DETAIL; EXCAVATE ALL BASE MATERIAL IF CAR PARKING OPTION IS INSTALLED



DATE	DESCRIPTION	NO.
07/30/2021	REVISED PER TOWN COMMENTS	2.
05/28/2021	ROUTE 300 TRAFFIC IMPROVEMENTS	1.

REVISIONS



SIGNATURE: 
MICHAEL SZURA, RLA
LANDSCAPE ARCHITECT NY Lic. No. 001901

DATE SIGNED

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Project
MATRIX LOGISTICS CENTER AT NEWBURGH
TOWN OF NEWBURGH
ORANGE COUNTY NEW YORK

Drawing Title
PLANTING PLAN (3 OF 3)

Project No.
190063301
Date
MAY 14, 2021
Drawn By
MJ
Checked By
MH

Drawing No.
LP103
Sheet 48 of 55

GENERAL LANDSCAPE PLANTING NOTES

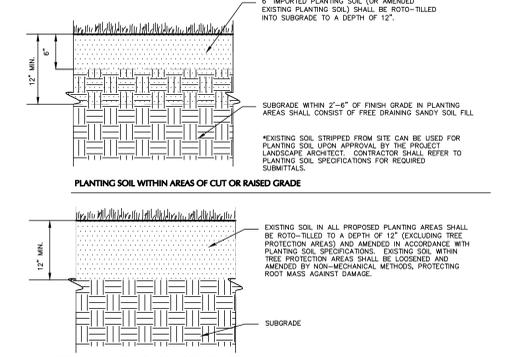
- 1. NAMES OF PLANTS AS DESCRIBED ON THIS PLAN CONFORM TO THOSE GIVEN IN "STANDARDIZED PLANT NAMED" LITERATURE... 2. ALL EXPOSED GROUND SURFACES THAT ARE NOT PAVED WITHIN THE CONTRACT LIMIT LINE... 3. NO PLANT SHALL BE PUT INTO THE GROUND BEFORE ROUGH GRADING HAS BEEN COMPLETED... 4. STANDARDS FOR TYPE, SPREAD, HEIGHT, ROOT BALL AND QUALITY OF NEW PLANT MATERIAL SHALL BE IN ACCORDANCE WITH GUIDELINES AS SET FORTH IN THE "AMERICAN STANDARD FOR NURSERY STOCK"...

PLANTING SOIL SPECIFICATIONS

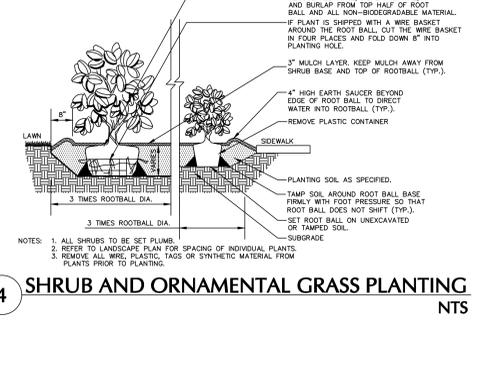
- 1. PLANTING SOIL, ALTERNATIVELY MAY BE REFERRED TO AS TOPSOIL, SHOULD BE FERTILE, WELL DRAINED, FREE OF DEBRIS, TONS, TRASH AND STONES OVER 1/2" DIA... 2. PLANTING SOIL: REVISE SURFACE SOILS STOCKPILED ON SITE, VERIFYING COMPLIANCE WITH PLANTING SOIL AND TOPSOIL CRITERIA... 3. SOIL AMENDMENT FOR PLANT MATERIAL: IF SOIL ORGANIC MATTER IS INADEQUATE, SOIL SHALL BE AMENDED WITH COMPOST OR ACCEPTABLE WEEB FREE ORGANIC MATTER...

GENERAL NOTE:

DUE TO GENERAL CONSTRUCTION ACTIVITIES AND ADJACENT SITE COMPACTION REQUIREMENTS, SUBGRADE SOILS WITHIN PROPOSED PLANTING AREAS TEND TO BECOME HIGHLY COMPACTED... IN ORDER TO CREATE A HEALTHY GROWTH MEDIUM TO ALLOW PROPOSED PLANTINGS TO ESTABLISH A VIGOROUS ROOT MASS...

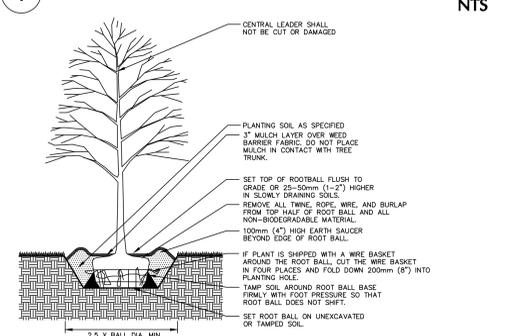


SHRUB AND ORNAMENTAL GRASS PLANTING

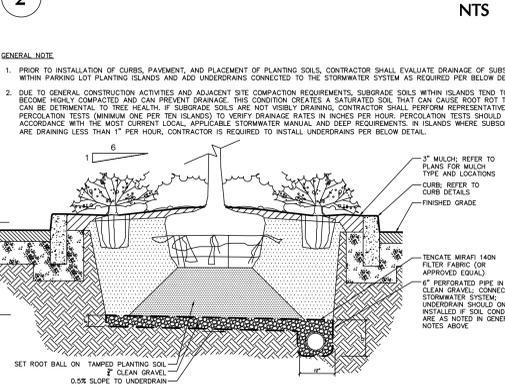


- 1. CONTRACTOR IS RESPONSIBLE TO SEND SAMPLES OF EXISTING SOILS INTENDED FOR USE IN PLANTING AREAS... 2. RECYCLED CRUSHED CONCRETE AND ASPHALT MILLINGS SHALL NOT BE PLACED WITHIN 2'-6" OF FINISH GRADE... 3. IMPORTED FILL SHALL CONTAIN NO CONTAMINATION IN EXCESS OF THE APPLICABLE STATE ENVIRONMENTAL STANDARDS...

1. PLANTING SOIL



2. TREE PLANTING



LANDSCAPE MAINTENANCE NOTES

- 1. MAINTENANCE OPERATIONS BEFORE APPROVAL: PLANT CARE SHALL BEGAIN IMMEDIATELY AFTER EACH PLANT IS SATISFACTORILY INSTALLED... 2. MAINTENANCE DURING CONSTRUCTION: MAINTENANCE SHALL BEGAIN IMMEDIATELY AFTER PLANTING... 3. MAINTENANCE AFTER COMPLETION: PLANTS SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER INSPECTION AND PROVISIONAL ACCEPTANCE...

LAWN WATERING SCHEDULE

THE FOLLOWING WATERING SCHEDULE COVERS ROUGHLY 6 WEEKS TO ESTABLISH A HEALTHY STAND OF GRASS FROM SEED. THE CONTRACTOR SHALL BE OBLIGATED TO ENSURE A HEALTHY STAND OF GRASS AT THE END OF THE MAINTENANCE/BOND PERIOD... IMPORTANT ASPECTS TO ATTAINING AND SUSTAINING A HEALTHY STAND OF GRASS ARE THE INSTALLATION OF TOPSOIL, SEED BED PREPARATION, ATTAINING OPTIMALITY FOR THE INTENDED PLANT SPECIES, FERTILIZING, MULCH COVERING, AND SUFFICIENT WATERING DURING THESE NOTES AND/OR PROJECT SPECIFICATIONS.

LAWN SEED MIX:

- 1. LAWN SEED MIX: LESCO GRASS SEED - ALL PRO TRANSITION MIX (2 TURF-TYPE TALL-FESCUE GRASSES) 100%... 2. GENERAL SEED NOTES: A) FINAL SEED MATURES, RATES, AND SPEEDS TO BE DETERMINED BASED ON PROJECT LANDSCAPE ARCHITECT REVIEW...

3. PARKING LOT ISLAND PLANTING



Table with 4 columns: Date, Description, No., and Revisions. Includes entries for 07/30/2021, 05/28/2021, and a section for REVISIONS.

Signature block for Michael Szura, RLA, Landscape Architect NY Lic. No. 001901. Includes date signed and project name.

LANGAN logo and contact information: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. One North Broadway, Suite 910 White Plains, NY 10601

Project: MATRIX LOGISTICS CENTER AT NEWBURGH. Drawing Title: PLANTING NOTES & DETAILS. TOWN OF NEWBURGH, NEW YORK.

Table with 4 columns: Project No., Date, Drawn By, Checked By, Drawing No., and Sheet. Includes Project No. 190063301, Date MAY 14, 2021, Drawing No. LP501, and Sheet 49 of 55.

MEADOW SEED NOTES

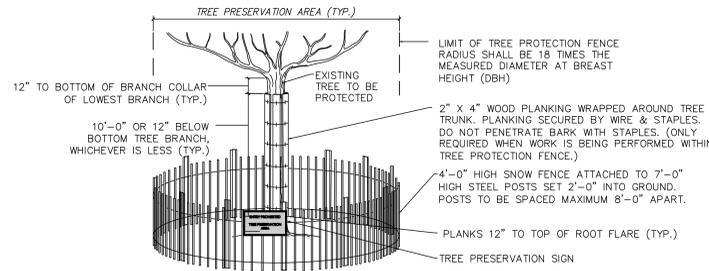
1. MEADOW SEED MIX A - ERNWX-181 "NATIVE STEEP SLOPE MIX"
- | | |
|------------------------------|-------------------------|
| 22% SORGHASTRUM NUTANS | INDIANGRASS |
| 17% SORGHASTRUM COPALIFOLIUM | LITTLE BLUESTEM |
| 10% ELMIUS VIRGINICUS | LANA WILDFE |
| 10% ELMIUS VIRGINICUS | VIORAMA WILDFE |
| 4% AGROSTIS PERENNANS | TOULLEGRASS |
| 4% AGROSTIS SCABRA | PURPLETOP |
| 2% CHAMAECRISTA FASCICULATA | PARTRIDGE PEA |
| 2% CONVALLIS PULPURASCENS | PURPLE CORNFLOWER |
| 1% COREOPSIS LANCOLATA | LANCERLEAF COREOPSIS |
| 1% LIATRIS SPICATA | MARSH BLAZING STAR |
| 1% MONARDA FISTULOSA | WLD BERGAMOT |
| 1% PENSTEMON DIDYMEUS | TALL WHITE BELLEFONTOUR |
| 1% RUDECKIA HIRTA | BLACKEYED SUSAN |
- SEED AT A RATE OF 60 LBS/ACRE OF 100% PURE LIVE SEED.
2. MEADOW SEED MIX B ERNST SEED MIX ERNWX-183 "NATIVE DETENTION AREA MIX"
- | | |
|--|------------------------------------|
| 30% PANICUM CLANDESTINUM, "TIGGA" FOR SEED | DEERTONGUE, "TIGGA" FOR SEED |
| 20% CAREX WILPURIOSA | VIORAMA WILDFE |
| 20% ELMIUS VIRGINICUS | SWITCHGRASS, "SHAWNEE" |
| 20% PANICUM VIRGATUM, "SHAWNEE" | AUTUMN BENTGRASS, ALBANY PINE BUSH |
| 4% AGROSTIS PERENNANS, ALBANY PINE BUSH | ST. RUSH |
| 2% JUNCUS EFFUSUS | REDTOP PANICGRASS |
| 1% PANICUM ROSSULUM | |
- NOTES:
 1. SEED AT A RATE OF 20 LBS/ACRE OF 100% PURE LIVE SEED.
 2. FOR SPRING SEEDING, APPLY A NURSE CROP OF OATS AT A RATE OF 30 LBS/ACRE.
 3. FOR FALL SEEDING, APPLY A NURSE CROP OF WINTER RYE AT A RATE OF 30 LBS/ACRE.

- GENERAL SEEDING NOTES:
- SEEDING SHALL TAKE PLACE IN THE SPRING (APRIL 1 TO JUNE 15) OR THE FALL (SEPTEMBER 1 TO OCTOBER 15).
 - ELIMINATE UNWANTED VEGETATION PRIOR TO SEEDING USING A NON-SELECTIVE, SYSTEMIC HERBICIDE PER MANUFACTURER'S SPECIFICATIONS. CONTRACTOR TO ENSURE HERBICIDE IS INDICATED FOR USE AROUND WATER BODIES.
 - IT IS RECOMMENDED THAT CONTRACTOR INSTALL SEED MIXTURE USING A NO-TILL, TRIMAX-TYPE DRILL WHERE APPLICABLE.
 - THERE MUST BE CONTINUOUS SOIL MOISTURE FOR 4-8 WEEKS TO ALLOW PROPER GERMINATION.

- WEED CONTROL / MAINTENANCE
- DURING THE ESTABLISHMENT YEAR, CONTRACTOR SHALL MOW SEEDING IF WEED HEIGHT EXCEEDS MEADOW MIX HEIGHT. MOW AT A HEIGHT OF 8"-10". DO NOT MOW CLOSER AS SOME OF THE MEADOW MIX MAY BE DAMAGED.
 - AFTER THE FIRST GROWING SEASON AND IF MEADOW MIX IS WELL ESTABLISHED, THE MEADOW MIX SHALL BE MOWED ONLY ONCE ANNUALLY ANNUAL MAINTENANCE MOWING SHALL BE DONE IN LATE WINTER DURING THE MONTHS OF MARCH.
 - MOW IN DETENTION BASIN AND WETLAND TRANSITION AREAS DURING DRY SITE CONDITIONS WHEN SOIL DISTURBANCE WILL NOT OCCUR. MAINTENANCE FOR DETENTION BASIN AND WETLAND TRANSITION AREAS SHALL OCCUR DURING LATE SUMMER (JULY 15 - AUGUST 15) WHEN THE WATER TABLE IS USUALLY AT ITS LOWEST POINT OF THE YEAR. DO NOT MOW IN DETENTION BASIN, WETLAND OR WETLAND TRANSITION AREAS AFTER ESTABLISHMENT OF MEADOW MIX.

TREE PROTECTION NOTES:

- ALL EXISTING TREES WITHIN THE LIMITS OF TREE PROTECTION FENCING SHALL BE PROTECTED THROUGHOUT THE DURATION OF WORK. TREE PROTECTION FENCING SHALL BE INSTALLED AT THE DROP-LINE OF THE PROTECTED TREE UNLESS CONDITIONS WARRANT THE FENCE TO BE LOCATED WITHIN THE LIMIT OF BRANCHING. THE PROJECT LANDSCAPE ARCHITECT TO APPROVE THE LOCATION OF ALL FENCING PRIOR TO EXCAVATION.
- TREE PROTECTION PLANKING SHALL BE INSTALLED AROUND ALL EXISTING TREES AS NOTED ON THIS DRAWING. REFER TO DETAIL ON THIS SHEET.
- TREE PROTECTION FENCING SHALL BE MAINTAINED TO PROTECT TREES AT ALL TIMES. ANY DAMAGED FENCING SHALL BE IMMEDIATELY REPLACED WHEN DAMAGED.
- IF TREE PROTECTION FENCING NEEDS TO BE MOVED OR BREACHED DUE TO TEMPORARY CONSTRUCTION ACTIVITY WITHIN THE TREE PROTECTION ZONE, THE FENCING WILL BE RESET TO ITS ORIGINAL LOCATION IMMEDIATELY AFTER CONSTRUCTION WITHIN THE TREE PROTECTION ZONE IS COMPLETE.
- DEMOLITION WORK ADJACENT TO PROTECTED TREES SHALL BE PERFORMED BY NON-MECHANICAL METHODS. CONTRACTOR TO PROTECT ROOT MASS AGAINST DAMAGE DURING EXCAVATION. ANY TREE ROOTS THAT ARE DISTURBED, BROKEN, OR CUT SHALL BE PRUNED BACK WITH CLEAN SHARP TOOLS.
- ALL EXPOSED TREE ROOTS SHALL BE THOROUGHLY IRRIGATED ON A DAILY BASIS AS DIRECTED BY THE PROJECT LANDSCAPE ARCHITECT.
- ALL WORK TO BE PERFORMED UNDER THE DIRECT SUPERVISION OF EITHER THE OWNER'S REPRESENTATIVE OR THE PROJECT LANDSCAPE ARCHITECT.



1 TREE PROTECTION FENCE AND PLANKING NTS

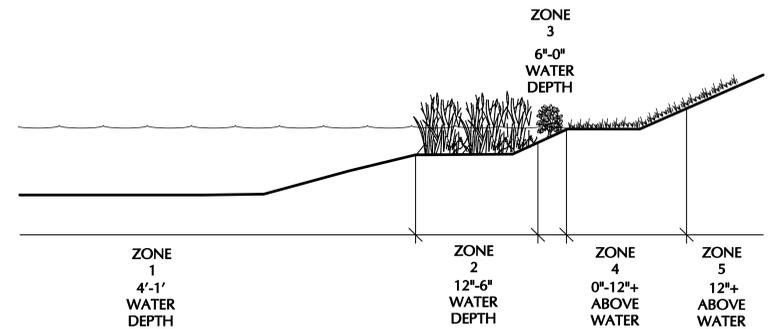
WET POND NOTES

- CONSTRUCTION PROCESS:
- PREPARE FINAL PONDSCAPING AND GRADING PLANS OF THE STORMWATER WETLAND. AT THIS TIME ORDER WETLAND PLANT STOCK FROM AQUATIC NURSERIES.
 - ONCE THE STORMWATER WETLAND COLUMN HAS BEEN EXCAVATED, THE WETLAND SHOULD BE GRADED TO CREATE THE MAJOR INTERNAL FEATURES (POOL, AQUATIC BENCH, DEEP-WATER CHANNELS, ETC).
 - TOP SOIL AND/OR WETLAND MULCH IS ADDED TO THE STORMWATER WETLAND EXCAVATION. SINCE DEEP SUBSOILS OFTEN LACK THE NUTRIENTS AND ORGANIC MATTER TO SUPPORT VIGOROUS PLANT GROWTH, THE ADDITION OF MULCH OR TOPSOIL IS IMPORTANT. IF IT IS AVAILABLE, WETLAND MULCH IS PREFERABLE TO TOPSOIL. AFTER THE MULCH OR TOPSOIL HAS BEEN ADDED, THE STORMWATER WETLAND NEEDS TO BE GRADED TO ITS FINAL ELEVATION. ALL WETLAND FEATURES ABOVE THE NORMAL POOL SHOULD BE STABILIZED TEMPORARILY. SEE SOIL EROSION AND SEDIMENT CONTROL PLAN FOR SEED SPECIFICATION.
 - AFTER GRADING TO FINAL ELEVATIONS, THE POND BENCH SHOULD BE CLOSED AND THE POOL ALLOWED TO FILL. USUALLY NOTHING SHOULD BE DONE TO THE STORMWATER WETLAND FOR 30 TO 90 DAYS UNTIL THE NEXT PLANTING SEASON. A GOOD DESIGN RECOMMENDATION IS TO EVALUATE THE WETLAND ELEVATION DURING A STANDING PERIOD OF APPROXIMATELY 24 MONTHS. DURING THIS TIME THE STORMWATER WETLAND CAN EXPERIENCE STORM FLOWS AND INUNDATION, SO THAT IT CAN BE DETERMINED WHERE THE PONDSCAPING ZONES ARE LOCATED AND WHETHER OR NOT THE FINAL GRADE AND MICROTOPOGRAPHY WILL PERSIST OVERTIME.
 - BEFORE PLANTING THE STORMWATER WETLAND DEPTHS SHOULD BE MEASURED TO THE NEAREST INCH TO CONFIRM PLANTING DEPTH. THE PONDSCAPE PLAN MAY BE MODIFIED AT THIS TIME TO REFLECT ALTERED DEPTHS OR AVAILABILITY OF PLANT STOCK. ZONES SHOULD BE STAKED OUT AT THE APPROPRIATE LEVELS PRIOR TO PLANTING UNDER THE SUPERVISION OF LANDSCAPE ARCHITECT OR WETLAND SCIENTIST.
 - EROSION CONTROLS SHOULD BE STRICTLY APPLIED DURING THE STANDING AND PLANTING PERIODS. ALL AREAS ABOVE THE NORMAL POOL ELEVATION SHOULD BE VEGETATED, STABILIZED DURING THE STANDING PERIOD, USUALLY WITH HYDROSEEDING.
 - THE STORMWATER WETLAND SHOULD BE DE-WATERED AT LEAST THREE DAYS BEFORE PLANTING, AS A DRY WETLAND IS EASIER TO PLANT THAN A WET ONE.
 - DURING THE INITIAL PLANTING PRECAUTIONS SHOULD BE UNDERTAKEN TO PREVENT AND PROHIBIT ANIMALS FROM GRADING UNITS. PLANT COMMUNITIES ARE WELL ESTABLISHED. SUCH PRECAUTIONS COULD BE DEER FENCING, MUSKRAT TRAPPING, PLANTING AFTER SEASONAL BIRD MIGRATION OR ATTRACTING BIRDS OF PREY AND BATS TO CONTROL NUTRIA POPULATIONS.

- OPERATIONS AND MAINTENANCE NOTES:
- CONSTRUCTED STORMWATER WETLANDS REQUIRE CONSIDERABLE ROUTINE MAINTENANCE, BUT DO NOT REQUIRE LARGE, INFREQUENT SEDIMENT REMOVAL UNLIKE CONVENTIONAL POND SYSTEMS THAT REQUIRE RELATIVELY MINOR ROUTINE MAINTENANCE AND EXPENSIVE SEDIMENT REMOVAL AT INFREQUENT INTERVALS.
 - CAREFUL OBSERVATION OF THE SYSTEM OVER TIME IS REQUIRED IN THE FIRST THREE YEARS AFTER CONSTRUCTION. WITHIN THE FIRST GROWING SEASON OR UNTIL IT IS DETERMINED THAT THE SYSTEM IS ESTABLISHED, FREQUENT INSPECTIONS WILL BE REQUIRED, PROBABLY BIWEEKLY OR MONTHLY BASIS. FOLLOWING THIS TWO YEAR INSPECTIONS ARE NEEDED DURING BOTH THE GROWING AND NON-GROWING SEASON. DATA GATHERED DURING THESE INSPECTIONS SHOULD BE RECORDED, MAPPED AND ASSESSED. THE FOLLOWING OBSERVATIONS SHOULD BE MADE DURING THE INSPECTIONS:
 - TYPES AND DISTRIBUTION OF DOMINANT WETLAND PLANTS IN THE MARSH.
 - THE PRESENCE AND DISTRIBUTION OF PLANTED WETLAND SPECIES, THE PRESENCE AND DISTRIBUTION OF VOLUNTARY WETLAND SPECIES, SIGNS THAT VOLUNTARY SPECIES ARE REPLACING THE PLANTED WETLAND SPECIES.
 - PERCENTAGE OF UNVEGETATED STANDING WATER (EXCLUDING THE DEEP WATER CELLS WHICH ARE NOT SUITABLE FOR EMERGENT PLANT GROWTH).
 - THE MAXIMUM ELEVATION AND THE VEGETATIVE CONDITION IN THIS ZONE, IF THE DESIGN ELEVATION OF THE NORMAL POOL IS BEING MAINTAINED FOR WETLANDS WITH EXTENDED ZONE.
 - STABILITY OF THE ORIGINAL DEPTH ZONES AND THE MICROTOPOGRAPHIC FEATURES.
 - ACCUMULATION OF SEDIMENT IN THE FOREBAY AND MICROPOOL.
 - SURVIVAL RATE OF PLANTS IN THE WETLAND BUFFER.
 - SHALLOW MARSH AND EXTENDED DETENTION WETLAND DESIGN INCLUDE FOREBAYS TO TRAP SEDIMENT BEFORE REACHING THE WETLAND. THEREFORE BAYS SHOULD BE CLEANED OUT EVERY YEAR.
 - CLEAN CUTS AND DISCHARGE LOCATIONS SHOULD BE INSPECTED MORE FREQUENTLY. INSPECTIONS FOR THEM COULD CONDUCE WITH ABOVE NORMAL OR EXTENDED PERIOD RAINFALL, RATHER THAN JUST INCREASING THE INSPECTION INTERVALS. THIS, IF THERE ARE PERIODS OF DROUGHT OR SMALL INFREQUENT EVENTS IT WOULD NOT BE NECESSARY FOR AN INSPECTION.
 - THE OWNER OF THE PROPERTY SHALL BE THE RESPONSIBLE AGENT FOR THE STORMWATER MANAGEMENT FACILITIES ON SAID PROPERTY.

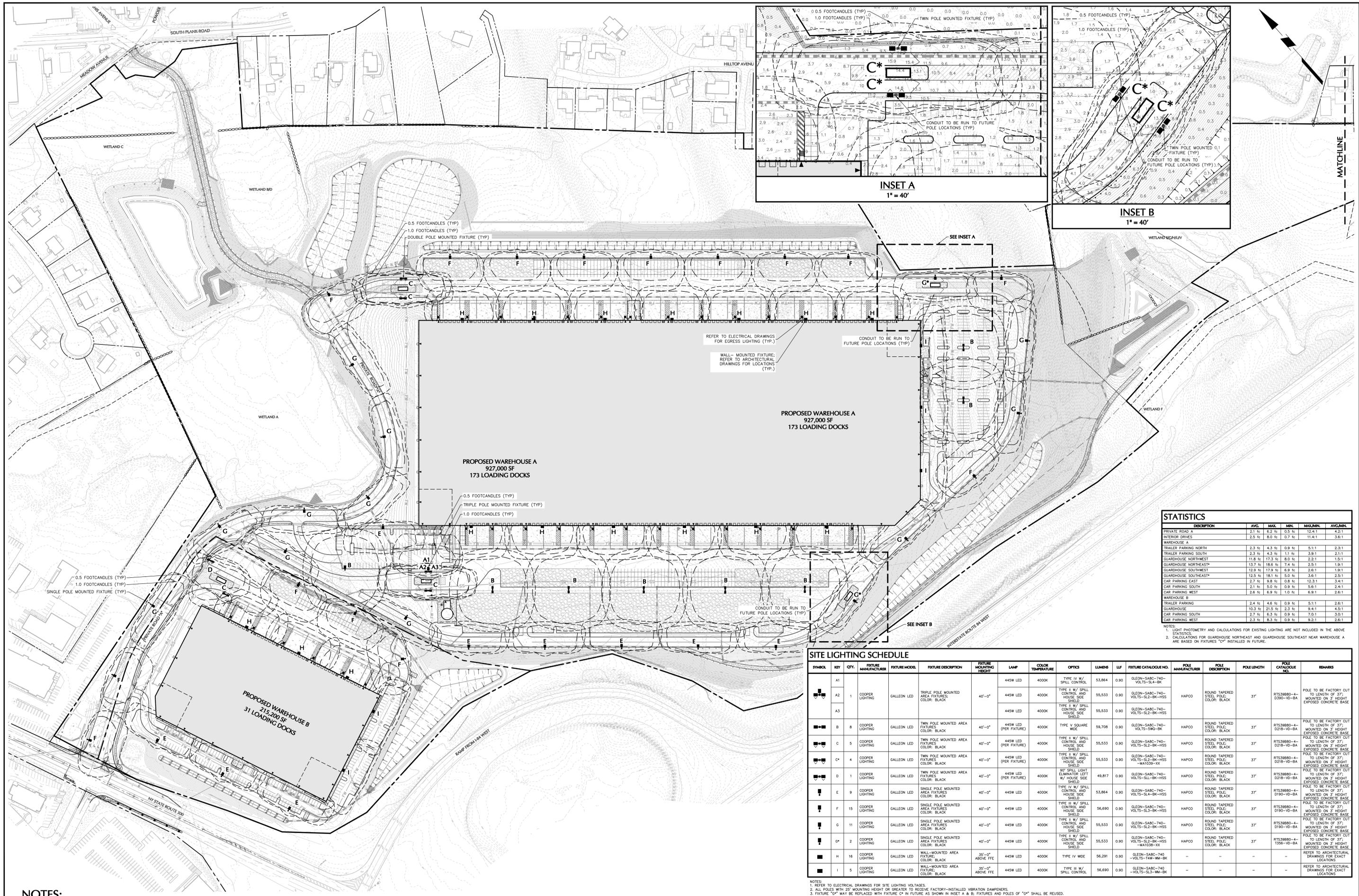
WET POND PLANT SCHEDULE

ZONE	WATER DEPTH	QTY.	BOTANICAL NAME	COMMON NAME	ROOT	SEEDING
ZONE 1	4'-1' PERMANENT WATER					
ZONE 2	12"-6" WATER (18,211 SF)					
		1315	JUNCUS EFFUSUS	SOFT BUSH	2' PLUG	24" O.C.
		1315	PONDICERIA CORDATA	FROEHLER REED	2' PLUG	24" O.C.
		1315	SCRIPUS VALIDUS	SOFT-STEM BULRUSH	2' PLUG	24" O.C.
		1325	SPARGANUM EURYCARPUM	GIANT BUR-REED	2' PLUG	24" O.C.
		TOTAL	5280			
ZONE 3	6"-0" WATER (5,270 SF)					
		QTY.	BOTANICAL NAME	COMMON NAME	ROOT	SEEDING
		304	IRIS VIOLESCENS	BLUE FLAG IRIS	2' PLUG	24" O.C.
		304	PANICUM VIRGATUM	SWITCHGRASS	2' PLUG	24" O.C.
		304	AGROPYRON HORRIBILE	SWAMP MILKWEED	2' PLUG	24" O.C.
		304	SCRIPUS VALIDUS	SOFT-STEM BULRUSH	2' PLUG	24" O.C.
		304	ACORUS CALAMUS	SWEET FLAG	2' PLUG	24" O.C.
		TOTAL	1520			
ZONE 4	0"-12" ABOVE WATER LINE					
			MEADOW SEED MIX B ERNST SEED MIX ERNWX-183 "NATIVE DETENTION AREA MIX"			"OVERSEED"
ZONE 5	12"+ ABOVE WATER LINE					
			MEADOW SEED MIX A ERNWX-181 "NATIVE STEEP SLOPE MIX"			



2 WET POND PLANTING SECTION NTS

<p>07/30/2021 REVISED PER TOWN COMMENTS 2.</p> <p>05/28/2021 ROUTE 300 TRAFFIC IMPROVEMENTS 1.</p> <p>DATE Description No.</p> <p>REVISIONS</p>			<p>WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, LAND SURVEYOR OR GEOLOGIST, TO ALTER THIS ITEM IN ANY WAY.</p>			<p>SIGNATURE: MICHAEL SZURA, RLA LANDSCAPE ARCHITECT NY Lic. No. 001901</p> <p>DATE SIGNED</p>			<p>LANGAN Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. One North Broadway, Suite 910 White Plains, NY 10601</p> <p>T: 914.323.7400 F: 914.323.7401 www.langan.com</p>			<p>Project: MATRIX LOGISTICS CENTER AT NEWBURGH TOWN OF NEWBURGH ORANGE COUNTY NEW YORK</p>			<p>Drawing Title: PLANTING NOTES & DETAIL II</p>			<p>Project No. 190063301 Date: MAY 14, 2021 Drawn By: MJ Checked By: MH</p>			<p>Drawing No. LP502 Sheet 50 of 55</p>		
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STATISTICS						
DESCRIPTION	AVG.	MAX.	MIN.	MAX./MIN.	AVG./MIN.	
PRIVATE ROAD A	2.1 fc	6.2 fc	0.5 fc	12.4:1	4.2:1	
INTERIOR DRIVES	2.5 fc	8.0 fc	0.7 fc	11.4:1	3.6:1	
WAREHOUSE A						
TRAILER PARKING NORTH	2.3 fc	4.3 fc	0.9 fc	5.1:1	2.3:1	
TRAILER PARKING SOUTH	2.3 fc	4.3 fc	1.1 fc	3.9:1	2.1:1	
GUARHOUSE NORTHWEST	11.8 fc	17.3 fc	8.0 fc	2.2:1	1.5:1	
GUARHOUSE NORTHEAST	13.7 fc	18.6 fc	7.4 fc	2.5:1	1.9:1	
GUARHOUSE SOUTHWEST	12.9 fc	17.9 fc	6.9 fc	2.6:1	1.9:1	
GUARHOUSE SOUTHEAST	12.5 fc	18.1 fc	5.0 fc	3.6:1	2.5:1	
CAR PARKING EAST	2.7 fc	8.8 fc	0.8 fc	11.2:1	3.4:1	
CAR PARKING SOUTH	2.1 fc	5.0 fc	0.9 fc	5.6:1	2.4:1	
CAR PARKING WEST	2.6 fc	6.9 fc	1.0 fc	6.9:1	2.6:1	
WAREHOUSE B						
TRAILER PARKING	2.4 fc	4.6 fc	0.9 fc	5.1:1	2.6:1	
GUARHOUSE	10.3 fc	21.5 fc	2.3 fc	9.4:1	4.5:1	
CAR PARKING SOUTH	2.7 fc	6.3 fc	0.9 fc	7.0:1	3.0:1	
CAR PARKING WEST	2.3 fc	8.3 fc	0.9 fc	9.2:1	2.6:1	

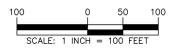
NOTES:
 1. LIGHT PHOTOMETRY AND CALCULATIONS FOR EXISTING LIGHTING ARE NOT INCLUDED IN THE ABOVE STATISTICS.
 2. CALCULATIONS FOR GUARHOUSE NORTHEAST AND GUARHOUSE SOUTHEAST NEAR WAREHOUSE A ARE BASED ON FIXTURES "C*" INSTALLED IN FUTURE.

SITE LIGHTING SCHEDULE																		
SYMBOL	KEY	QTY.	FIXTURE MANUFACTURER	FIXTURE MODEL	FIXTURE DESCRIPTION	FIXTURE MOUNTING HEIGHT	LAMP	COLOR TEMPERATURE	OPTICS	LUMENS	LLF	FIXTURE CATALOGUE NO.	POLE MANUFACTURER	POLE DESCRIPTION	POLE LENGTH	POLE CATALOGUE NO.	REMARKS	
	A1																	
	A2	1	COOPER LIGHTING	GALLEON LED	TRIPLE POLE MOUNTED AREA FIXTURES COLOR: BLACK	40'-0"	445W LED	4000K	TYPE II W/ SPILL CONTROL AND HOUSE SIDE SHIELD	53,684	0.90	GLEON-SABC-740-VOLTS-SL4-BK	HAPCO	ROUND TAPERED STEEL POLE COLOR: BLACK	37'	RTS39880-4-D390-V0-BA	POLE TO BE FACTORY CUT TO LENGTH OF 37'. MOUNTED ON 3" HEIGHT EXPOSED CONCRETE BASE.	
	A3																	
	B	8	COOPER LIGHTING	GALLEON LED	TWIN POLE MOUNTED AREA FIXTURES COLOR: BLACK	40'-0"	445W LED (PER FIXTURE)	4000K	TYPE V SQUARE WIDE	59,708	0.90	GLEON-SABC-740-VOLTS-SWQ-BK	HAPCO	ROUND TAPERED STEEL POLE	37'	RTS39880-4-D218-V0-BA	POLE TO BE FACTORY CUT TO LENGTH OF 37'. MOUNTED ON 3" HEIGHT EXPOSED CONCRETE BASE.	
	C	5	COOPER LIGHTING	GALLEON LED	TWIN POLE MOUNTED AREA FIXTURES COLOR: BLACK	40'-0"	445W LED (PER FIXTURE)	4000K	TYPE II W/ SPILL CONTROL AND HOUSE SIDE SHIELD	55,533	0.90	GLEON-SABC-740-VOLTS-SL2-BK-HSS	HAPCO	ROUND TAPERED STEEL POLE COLOR: BLACK	37'	RTS39880-4-D218-V0-BA	POLE TO BE FACTORY CUT TO LENGTH OF 37'. MOUNTED ON 3" HEIGHT EXPOSED CONCRETE BASE.	
	C*	4	COOPER LIGHTING	GALLEON LED	TWIN POLE MOUNTED AREA FIXTURES COLOR: BLACK	40'-0"	445W LED (PER FIXTURE)	4000K	TYPE II W/ SPILL CONTROL AND HOUSE SIDE SHIELD	55,533	0.90	GLEON-SABC-740-VOLTS-SL2-BK-HSS -M1039-XX	HAPCO	ROUND TAPERED STEEL POLE COLOR: BLACK	37'	RTS39880-4-D218-V0-BA	POLE TO BE FACTORY CUT TO LENGTH OF 37'. MOUNTED ON 3" HEIGHT EXPOSED CONCRETE BASE.	
	D	1	COOPER LIGHTING	GALLEON LED	TWIN POLE MOUNTED AREA FIXTURES COLOR: BLACK	40'-0"	445W LED (PER FIXTURE)	4000K	90° SPILL LIGHT ELIMINATOR LEFT W/ HOUSE SIDE SHIELD	49,817	0.90	GLEON-SABC-740-VOLTS-SL2-BK-HSS	HAPCO	ROUND TAPERED STEEL POLE COLOR: BLACK	37'	RTS39880-4-D218-V0-BA	POLE TO BE FACTORY CUT TO LENGTH OF 37'. MOUNTED ON 3" HEIGHT EXPOSED CONCRETE BASE.	
	E	9	COOPER LIGHTING	GALLEON LED	SINGLE POLE MOUNTED AREA FIXTURES COLOR: BLACK	40'-0"	445W LED	4000K	TYPE IV W/ SPILL CONTROL AND HOUSE SIDE SHIELD	53,684	0.90	GLEON-SABC-740-VOLTS-SL4-BK-HSS	HAPCO	ROUND TAPERED STEEL POLE COLOR: BLACK	37'	RTS39880-4-D190-V0-BA	POLE TO BE FACTORY CUT TO LENGTH OF 37'. MOUNTED ON 3" HEIGHT EXPOSED CONCRETE BASE.	
	F	15	COOPER LIGHTING	GALLEON LED	SINGLE POLE MOUNTED AREA FIXTURES COLOR: BLACK	40'-0"	445W LED	4000K	TYPE II W/ SPILL CONTROL AND HOUSE SIDE SHIELD	56,690	0.90	GLEON-SABC-740-VOLTS-SL3-BK-HSS	HAPCO	ROUND TAPERED STEEL POLE COLOR: BLACK	37'	RTS39880-4-D190-V0-BA	POLE TO BE FACTORY CUT TO LENGTH OF 37'. MOUNTED ON 3" HEIGHT EXPOSED CONCRETE BASE.	
	G	11	COOPER LIGHTING	GALLEON LED	SINGLE POLE MOUNTED AREA FIXTURES COLOR: BLACK	40'-0"	445W LED	4000K	TYPE II W/ SPILL CONTROL AND HOUSE SIDE SHIELD	55,533	0.90	GLEON-SABC-740-VOLTS-SL2-BK-HSS	HAPCO	ROUND TAPERED STEEL POLE COLOR: BLACK	37'	RTS39880-4-D190-V0-BA	POLE TO BE FACTORY CUT TO LENGTH OF 37'. MOUNTED ON 3" HEIGHT EXPOSED CONCRETE BASE.	
	G*	2	COOPER LIGHTING	GALLEON LED	SINGLE POLE MOUNTED AREA FIXTURES COLOR: BLACK	40'-0"	445W LED	4000K	TYPE II W/ SPILL CONTROL AND HOUSE SIDE SHIELD	55,533	0.90	GLEON-SABC-740-VOLTS-SL2-BK-HSS -M1039-XX	HAPCO	ROUND TAPERED STEEL POLE COLOR: BLACK	37'	RTS39880-4-D190-V0-BA	POLE TO BE FACTORY CUT TO LENGTH OF 37'. MOUNTED ON 3" HEIGHT EXPOSED CONCRETE BASE. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS.	
	H	16	COOPER LIGHTING	GALLEON LED	WALL-MOUNTED AREA FIXTURES COLOR: BLACK	35'-0" ABOVE FFE	445W LED	4000K	TYPE II W/ SPILL CONTROL AND HOUSE SIDE SHIELD	56,291	0.90	GLEON-SABC-740-VOLTS-TAW-WM-BK						REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS.
	I	5	COOPER LIGHTING	GALLEON LED	WALL-MOUNTED AREA FIXTURES COLOR: BLACK	35'-0" ABOVE FFE	445W LED	4000K	TYPE III W/ SPILL CONTROL	56,690	0.90	GLEON-SABC-740-VOLTS-SL3-WM-BK						REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS.

- NOTES:
 1. REFER TO SHEETS LL101 THROUGH LL103 FOR PARTIAL LIGHTING PLANS.
 2. REFER TO SHEET LL501 FOR LIGHTING NOTES AND DETAILS.

DATE	DESCRIPTION	NO.
07/30/2021	REVISED PER TOWN COMMENTS	2.
05/28/2021	ROUTE 300 TRAFFIC IMPROVEMENTS	1.

DATE	DESCRIPTION	NO.



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Project
MATRIX LOGISTICS CENTER AT NEWBURGH
 TOWN OF NEWBURGH
 NEW YORK

Drawing Title
OVERALL SITE LIGHTING PLAN

Project No.
 190063301
 Date
 MAY 14, 2021
 Drawing No.
LL100
 Checked By
 MH
 Sheet 51 of 55