

ERIE CANALWAY HERITAGE FUND, INC

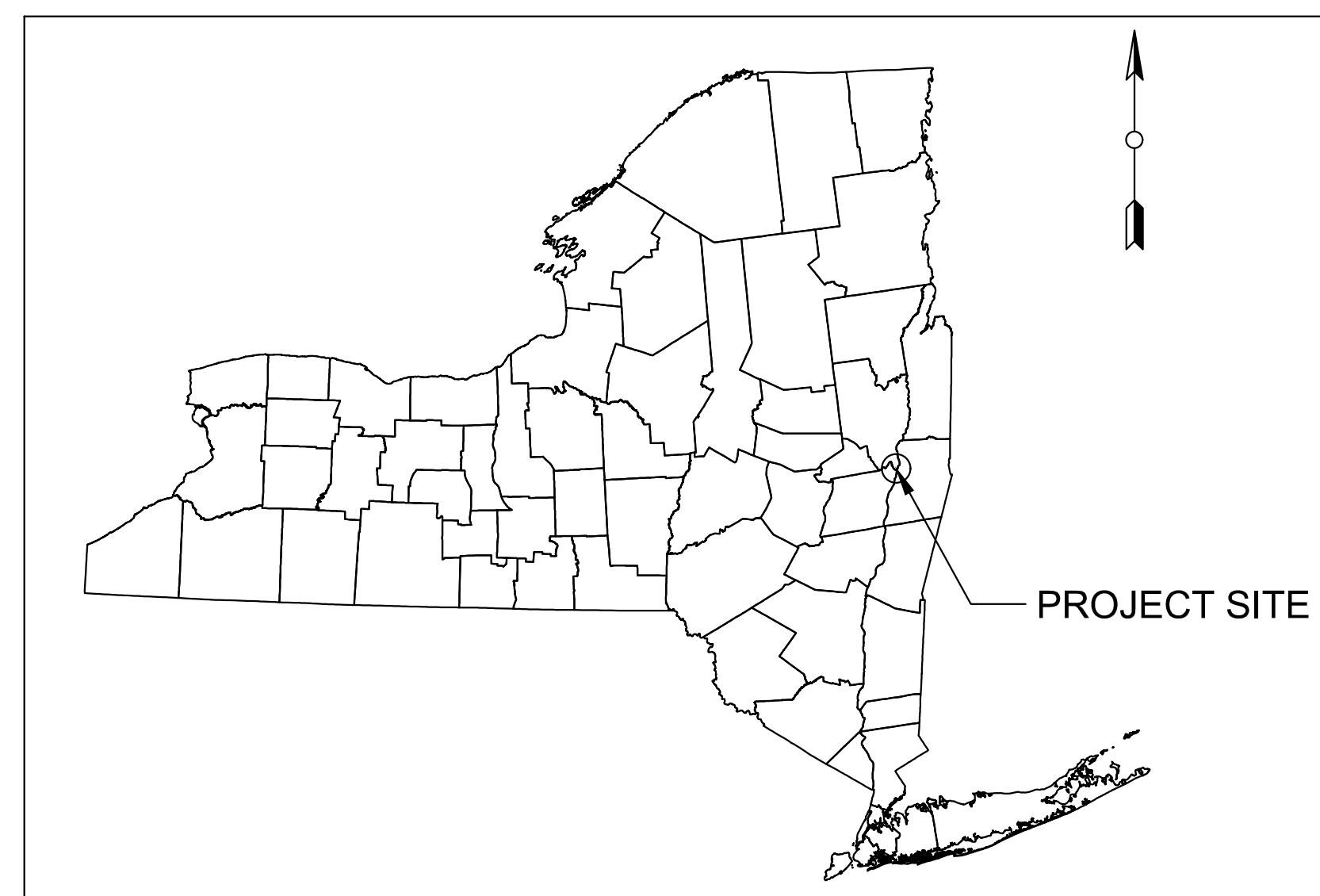


NOT FOR
CONSTRUCTION

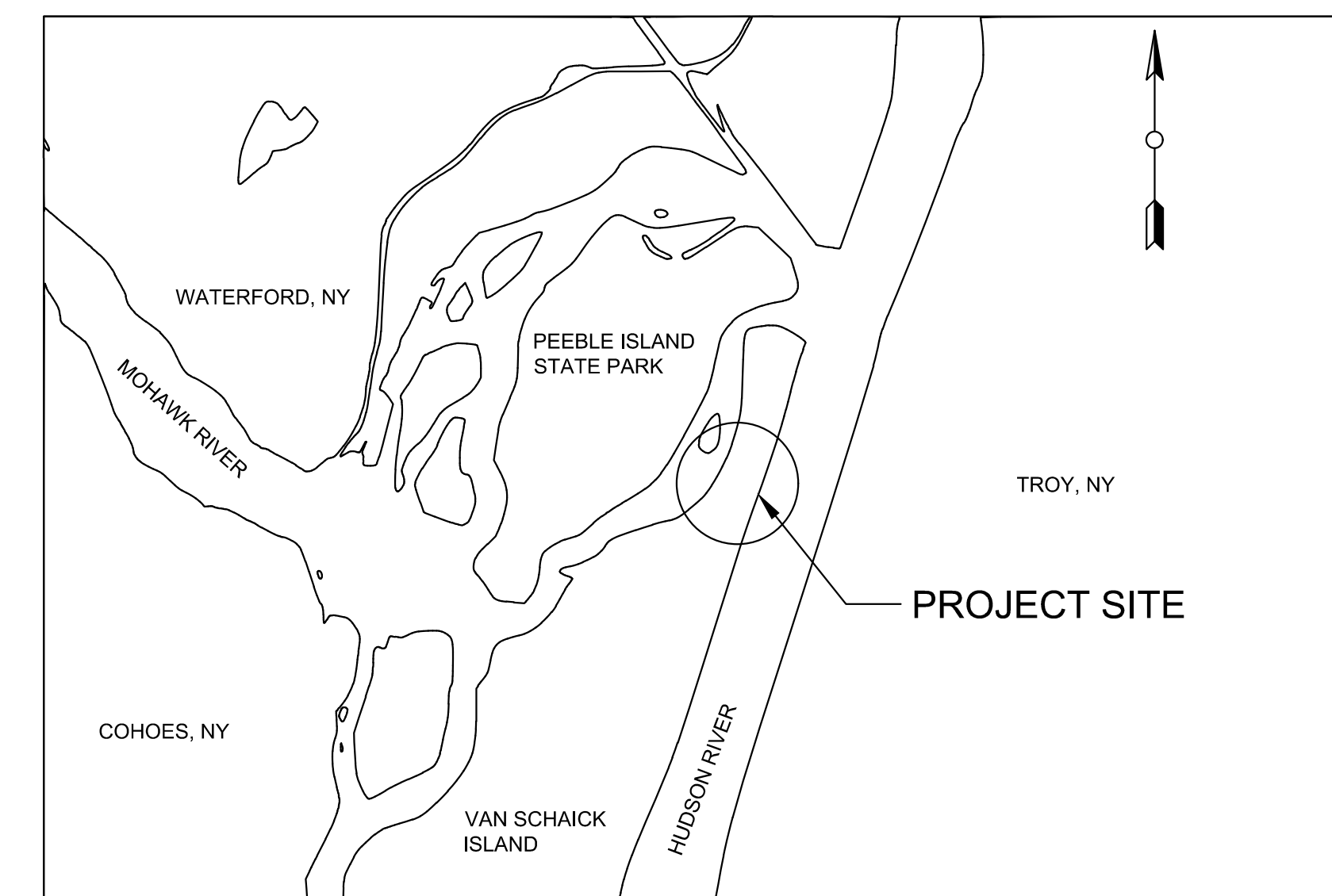
MATTON SHIPYARD: SHORELINE STABILIZATION DESIGN PRESERVATION AND ADAPTIVE REUSE INITIATIVE CITY OF COHOES, ALBANY COUNTY, NEW YORK

100%

JULY 2021



PROJECT LOCATION MAP
N.T.S



SITE LOCATION MAP
N.T.S



M&J ENGINEERING P.C.

"INNOVATIVE AND STATE-OF-THE-ART SOLUTIONS"

110 BI-COUNTY BOULEVARD
FARMINGDALE, NY 11735

SUBMITTED TO:

Chazen
A LaBella Company

NOTES

SCOPE OF WORK

1. THE SCOPE OF WORK IS GENERALLY DESCRIBED AS FOLLOWS:
- A. OBTAIN ALL NECESSARY PERMITS
 - B. PREPARE A DETAILED CONSTRUCTION SEQUENCE SCHEDULE FOR REVIEW BY OWNER/OWNERS REPRESENTATIVE
 - C. PROVIDE ALL MATERIAL, LABOR AND EQUIPMENT SUBMITTALS FOR REVIEW BY OWNER/OWNERS REPRESENTATIVE
 - D. FURNISH, INSTALL AND MAINTAIN EROSION AND SEDIMENT CONTROL MEASURES
 - E. ENSURE THERE IS NO GROUND (SOIL) DISTURBANCE IN LOCUS 1
 - F. REMOVE AND DISPOSE OF EXISTING WOOD PILING BULKHEAD AND MISCELLANEOUS METAL DEBRIS. CUT EXISTING PILES AT MUD LINE
 - G. REMOVE AND DISPOSE OF EXISTING CONCRETE/WOOD/METAL DEBRIS ALONG SHORELINE
 - H. REMOVE EXISTING BOLLARDS AND RETURN TO OWNER
 - I. CLEAR & GRUB WITHIN LIMIT LINES INDICATED ON DRAWINGS
 - J. SCREEN & STOCKPILE EXISTING TOPSOIL FOR REUSE WHERE DISTURBED
 - K. STOCKPILE ALL EXCESS MATERIAL ON SITE FOR FUTURE ON-SITE USE AND/OR OFF SITE DISPOSAL
 - L. CONTRACTOR SHALL SAMPLE AND CHARACTERIZE SOIL STOCKPILE MATERIAL TO DETERMINE PROPER DISPOSAL
 - M. CONTRACTOR SHALL INCLUDE A SEPARATE ALLOWANCE FEE IN HIS PROPOSAL FOR THIS WORK
 - N. CONTRACTOR SHALL RESTORE ALL AREAS OF THE SITE DISTURBANCE BY HIS OPERATIONS
 - O. FURNISH AND INSTALL NEW TIMBER BULKHEAD WALL
 - P. FURNISH AND INSTALL NEW COIR LOGS AND MATTING, WILLOW LIVE STAKE AND VEGETATIVE PLANTINGS, EROSION CONTROL FABRIC, COMPACTED STONE AND CLEAN FILL AS INDICATED ON DRAWINGS
 - Q. RESPREAD STOCKPILED AND IMPORTED TOPSOIL AND HYDROSEED DISTURBED AREAS
 - R. RESPREAD STOCKPILED EXCESS MATERIAL ON SITE AND/OR CHARACTERIZE AND DISPOSE OF OFF SITE
 - S. FURNISH AND PLANT TREES AND SHRUBS AS INDICATED ON DRAWINGS
 - F. FURNISH AND INSTALL WATERFOWL CONTROL MEASURES
 - G. REMOVE TEMPORARY EROSION CONTROL MEASURES AND RESTORE DISTURBED AREAS AS INDICATED ON DRAWINGS
 - H. MAINTAIN NEW PLANTING MATERIAL AND TURF AREAS FOR TWO GROWING SEASONS UNTIL WELL ESTABLISHED

MATERIALS

MATERIALS SHALL BE AS FOLLOWS:

1. WOOD PILES (ASTM D25): 20-FEET LONG ONE PIECE, UNUSED, CLEAN PEELED SOUTHERN YELLOW PINE (12-INCH BUTT DIA, 10-INCH TIP DIA.; F_b= 1250 psi; F_v=1950 psi; F_v=160 psi; F_c-perpendicular=440 psi; E=1,500,000 psi) WITH ARROW POINT DRIVING SHOE (HOT ROLLED CARBON STEEL ASTM A 1011). DRIVE PILES TO DEPTHS AND ELEVATIONS INDICATED ON CONTRACT DRAWINGS USING VIBRATORY HAMMER. CUT OFF BUTTS OF PILES SQUARE WITH PILE AXIS AT INDICATED ELEVATIONS
2. WOOD HORIZONTAL CRIBBING: USE 40-FOOT LONG PILES WITH 10-12-INCH AVERAGE DIAMETER, CUT TO FIT. PILES SHALL BE ALTERNATE ORIENTATION TO COMPENSATE FOR THE VARIATION IN DIAMETER AND MINIMIZE SPACING BETWEEN LOGS. IF SHORTER PILES ARE USED, JOINTS SHALL BE STAGGERED
3. PRESSURE TREATMENT: APPROVED WATERBORNE PRESERVATIVE
4. HARDWARE: 1-INCH DIA GALVANIZED BOLT WITH WASHERS AND NUT
5. TOPSOIL: THE pH OF THE MATERIAL SHALL BE BETWEEN 5.5 AND 7.6; THE ORGANIC CONTENT SHALL BE NOT LESS THAN 6% OR MORE THAN 12%; GRADATION (SIEVE SIZE PERCENT PASSING BY WEIGHT): 1-INCH: 100%, NO. 10: 90 TO 100%, NO. 40: 45 TO 80%, NO. 200: 25 TO 70%, 2 MICRON: 5 TO 35%
6. CLEAN FILL: SOUND, HARD, DURABLE STONE RUN-OF-BANK GRAVEL, SAND OR OTHER ACCEPTABLE GRANULAR MATERIAL GRADATION (SIEVE SIZE PERCENT PASSING BY WEIGHT): THE PORTION PASSING THE 4-INCH SIEVE, No.40: <70%; No. 200: 10%
7. COIR LOGS: PRE-DRILLED 12-INCH DIAMETER, 100% BIODEGRADABLE COIR ENCASED IN A 2-INCH X 2-INCH NETTING WITH A DENSITY OF 7 POUNDS/CF AND A WEIGHT OF 5.5 POUNDS/LF AS MANUFACTURED BY BELTON INDUSTRIES OR APPROVED EQUIVALENT
8. FIBER ROLL: 100% COCONUT FIBER W/ HEAVY UV STABILIZED POLYPROPYLENE TOP NETTING, SUPER HEAVY UV STABILIZED POLYPROPYLENE CORRUGATED MID NETTING, HEAVY UV STABILIZED POLYPROPYLENE BOTTOM NETTING WITH BLACK UV STABILIZED POLYPROPYLENE THREAD AS MANUFACTURED BY NORTH AMERICAN GREEN C350 OR APPROVED EQUIVALENT
9. WILLOW BRUSH CUTTINGS: DORMANT BUT LIVE, LOCALLY HARVESTED, "BANKERS" DWARF WILLOW (SALIX COTTON), 0.5-INCH TO 2-INCH DIAMETER, MINIMUM 5-FEET LONG, BUNDLED WITH TWIN IN GROUPS OF 10 TO 20, SPACED 3 TO 5-FEET APART
10. EROSION CONTROL BLANKET: 100% BIODEGRADABLE SPUN COIR FABRIC, OPEN WEAVE CONSTRUCTION, 20.6 OZ/SY, GEOCOIR 700 AS MANUFACTURED BY BELTON INDUSTRIES OR APPROVED EQUIVALENT
11. GEOTEXTILE: POLYPROPYLENE NON-WOVEN GEOTEXTILE, AS MANUFACTURED BY MIRAFI N-SERIES OR APPROVED EQUIVALENT
12. LANDSCAPE MATERIAL:
- A. HYDROSEED: A SLURRY MIX OF MULCH, TACKIFIER AND SEED MIX: A MIXTURE OF ERNST WETLAND SEED
 - B. HERBACEOUS PLUGS: SWITCHGRASS (PANICUM VIRGATUM), VERVAIN (VERBENIA HASTATA), AND INDIAN GRASS (SORGHASTRUM NUTANS)
 - C. TREES: SILVER MAPLE (ACER SACCHARINUM), EASTERN COTTONWOOD (POPULUS DELTOIDES)
 - D. SHRUBS: ARROWWOOD VIBURNUM (VIBURRIUM DENTATUM) AND SILKY DOGWOOD (CORNUS AMOMIUM)

GENERAL NOTES

1. CONTRACTOR SHALL SUBMIT DETAILED WORK PLANS INCLUDING SEQUENCE OF OPERATIONS SUBJECT TO THE REVIEW AND ACCEPTANCE OF OWNER/OWNERS REPRESENTATIVE PRIOR TO COMMENCING WORK
2. CONTRACTOR SHALL RETAIN THE SERVICES OF A LICENSED LAND SURVEYOR TO PROVIDE LINE AND GRADE FOR THE PROJECT
3. CONTRACTOR TO DETERMINE MEANS AND METHODS FOR TEMPORARY SITE ACCESS TO THE SHORELINE FOR EXECUTION OF THE WORK. CONTRACTOR TO RESTORE ANY AREAS DISTURBED TO ORIGINAL CONDITIONS. NO SOIL DISTURBANCE IN LOCUS 1
4. THE CONTRACT DOCUMENTS ARE PREPARED BASED ON INFORMATION PROVIDED TO OUR OFFICE AT THE TIME OF PLAN PREPARATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE PROJECT LOCATION AND INSPECTING THE SITE TO BECOME FAMILIAR WITH AND VERIFY EXISTING CONDITIONS AND MAKE ALL APPROPRIATE INQUIRIES TO DETERMINE ACTUAL CONDITIONS PRIOR TO SUBMISSION OF BIDS AND SHALL MAKE NO ADDITIONAL CLAIMS REGARDING SITE CONDITIONS THEREAFTER
5. TIMBER CRIBBING REPLACEMENT IN KIND AND IN PLACE TO BE COMPLETED AND ACCEPTED BY OWNER OR OWNER'S REPRESENTATIVE PRIOR TO COMMENCEMENT OF LIVING SHORELINE INSTALLATION

6. LIVING SHORELINE INSTALLATION SHALL NOT COMMENCE UNTIL THE NEW TIMBER CRIBBING IS INSTALLED AND ACCEPTED BY THE OWNER. LIVING SHORELINE INSTALLATION SHALL PROCEED FROM SOUTH TO NORTH IN STAGES APPROPRIATE TO CONDITIONS
7. CONTRACTOR SHALL NOTIFY ONE-CALL CENTER PRIOR TO STARTING WORK
8. CONTRACTOR IS ADVISED THAT THERE ARE AREAS ON THE SITE THAT CANNOT BE DISTURBED AND SHALL BE PROTECTED FROM ALL CONSTRUCTION OPERATIONS. CONTRACTOR SHALL REVIEW THE CONTRACT DOCUMENTS AND FAMILIARIZE HIMSELF WITH THESE AREAS
9. CONTRACTOR SHALL EXERCISE EXTREME CARE WHEN PERFORMING ANY WORK ACTIVITIES ADJACENT TO EXISTING BUILDINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR TAKING THE APPROPRIATE MEASURES AS NECESSARY TO ENSURE THE STRUCTURAL STABILITY OF BUILDING STRUCTURES, WALLS, FOUNDATIONS, FOOTINGS, ETC.
10. ALL WORK SHALL CONFORM TO ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES, LAWS AND REGULATIONS. BEFORE COMMENCEMENT OF WORK. THE CONTRACTOR SHALL APPLY FOR AND OBTAIN ALL PERMITS AND APPROVALS REQUIRED FOR THE WORK. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR ENSURING COMPLIANCE WITH ALL CONDITIONS OF PERMITS AND APPROVALS AND NOTIFICATION REQUIREMENTS
11. CONTRACTOR IS SOLELY RESPONSIBLE FOR THE SITES SECURITY THROUGHOUT THE CONSTRUCTION DURATION
12. THE CONTRACTOR SHALL DETERMINE AND VERIFY THE ACTUAL LOCATION OF ANY AND ALL UTILITIES, EXISTING SITE FEATURES AND RELATED ITEMS PRIOR TO COMMENCEMENT OF WORK. ALL COST INCURRED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR
13. CONTRACTOR SHALL PROTECT ALL EXISTING FEATURES THAT ARE DESIGNATED TO REMAIN. CONTRACTOR SHALL PROTECT ALL EXISTING TREES NOT DESIGNATED FOR REMOVAL
14. CONTRACTOR SHALL NOT ASSUME THAT ANY ON-SITE UTILITIES ARE AVAILABLE FOR USE
15. EXPANSION OF THE CONSTRUCTION WORK BEYOND THE DESIGNATED CONTRACT LIMIT LINES IS STRICTLY PROHIBITED UNLESS AUTHORIZED BY THE PERMITTING AGENCY AND OWNER IN WRITING. THE CONTRACTOR SHALL SECURE THE CONSTRUCTION WORK AREAS IN ACCORDANCE WITH ALL APPLICABLE SAFETY STANDARDS.
16. CONTRACTOR SHALL REMOVE ALL DEBRIS AND EXCESS CONSTRUCTION MATERIALS TO THE SATISFACTION OF THE OWNER/OWNERS REPRESENTATIVE. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY AND ALL PERMITS AND PAYING ALL FEES NECESSARY TO REMOVE AND DISPOSE OF ALL EXCESS MATERIALS REMOVED FROM AND LEGALLY DISPOSED OF OFF SITE.NO EXCAVATION SPOILS ARE TO BE REMOVED FROM THE PROJECT SITE. ANY EXCESS SPOILS TO BE GRADED INTO THE SUBGRADE DURING RESTORATION OF DISTURBED AREAS. AN ALLOWANCE IS PROVIDED FOR THE CHARACTERIZATION AND DISPOSAL OF CONTAMINATED MATERIALS, SHOULD THIS BE REQUIRED
17. ITEMS SUSTAINING DAMAGE DURING CONSTRUCTION AS A RESULT OF THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED AND/OR REPLACED AT THE DIRECTION OF AND TO THE SATISFACTION AND APPROVAL OF THE OWNER/OWNERS REPRESENTATIVE AT THE CONTRACTOR'S EXPENSE
18. NO MATERIAL OF ANY KIND SHALL BE USED UNTIL IT HAS BEEN INSPECTED AND ACCEPTED BY HE OWNER/OWNERS REPRESENTATIVE. ALL MATERIALS REJECTED SHALL BE IMMEDIATELY REMOVED FROM THE WORK SITE AT THE CONTRACTORS EXPENSE
19. THE SOLE PURPOSE OF INSPECTION AND OBSERVATION OF WORK BY THE OWNER/OWNERS REPRESENTATIVE IS TO AID THE CONTRACTOR IN APPLYING LABOR AND MATERIAL TO AND IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. SUCH INSPECTION SHALL NOT RELIEVE THE CONTRACTOR FROM ALL CONTRACT OBLIGATIONS. ANY MATERIAL OR WORKMANSHIP FOUND AT ANY TIME TO BE DEFECTIVE SHALL BE IMMEDIATELY REMEDIED AT NO ADDITIONAL EXPENSE TO THE OWNER, REGARDLESS OF PREVIOUS INSPECTION
20. THE CONTRACTOR SHALL HAVE A COMPETENT ENGLISH-SPEAKING REPRESENTATIVE OR FOREMAN PRESENT ON-SITE DURING ALL WORK UNDER THIS CONTRACT
21. THE OWNER/OWNERS REPRESENTATIVE SHALL NOT BE RESPONSIBLE FOR THE MEANS AND METHODS SELECTED BY THE CONTRACTOR TO COMPLETE THE WORK OTHER THAN INFORMATION PROVIDED IN THE CONTRACT DOCUMENTS
22. THE CONTRACTOR SHALL IS SOLELY RESPONSIBLE FOR SITE SAFETY AND THE SAFETY OF THE CONTRACTOR'S WORK FORCE AND EQUIPMENT
23. CONTRACTOR SHALL PROVIDE AND MAINTAIN FOR THE CONTRACT DURATION, ALL NECESSARY SANITARY AND HAND WASHING FACILITIES
24. THE OWNER RESERVES THE RIGHT TO LET OTHER CONTRACTS SIMULTANEOUSLY AND IN CONNECTION WITH THE WORK OF THIS PROJECT. THE CONTRACTOR SHALL COOPERATE WITH OTHER CONTRACTORS AS REQUIRED
25. CONTRACTOR SHALL TAKE ALL NECESSARY STEPS TO PREVENT SOILS & OTHER MISCELLANEOUS DEBRIS FROM BEING TRACKED OFF SITE AND ONTO THE PUBLIC ROADS
26. CONTRACTOR SHALL FOLLOW DIRECTION FROM OWNER, OWNER REPRESENTATIVE WHO MAY BE PRESENT TO MONITOR SITE CONSTRUCTION

DEMOLITION/REMOVAL NOTES

1. ALL DEMOLITION AND REMOVAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CONTRACT DOCUMENT REQUIREMENTS, PERMITS AND GOVERNING CODE, THE MORE STRINGENT SHALL APPLY
2. PRIOR TO DEMOLITION, CONTRACTOR SHALL INSTALL ALL EROSION AND SEDIMENT CONTROL MEASURES AS INDICATED ON THE CONTRACT DOCUMENTS AND AS REQUIRED UNDER THE PERMITS AND GOVERNING CODE
3. CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, POWER, EQUIPMENT, AND INCIDENTALS REQUIRED FOR THE DEMOLITION AND REMOVAL OF MATERIALS IN THEIR ENTIRETY, IN ACCORDANCE WITH THE CONTRACT DOCUMENTS
4. PRIOR TO THE START OF CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL SUBMIT PRE- CONSTRUCTION PHOTOGRAPHS, RODENT AND ANIMAL CONTROL PLAN, MATERIALS DISPOSAL PLAN, FOR THE OWNER/OWNER'S REPRESENTATIVE REVIEW AND ACCEPTANCE
5. CONTRACTOR SHALL EXECUTE THE DEMOLITION AND REMOVAL WORK TO PREVENT DAMAGE AND INJURY TO EXISTING ADJACENT STRUCTURES, BUILDING SERVICES, AND OTHER ADJACENT FEATURES
6. ALL DEMOLITION MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND CONTRACTOR SHALL LEGALLY DISPOSE OF THEM AT A LICENSED DISPOSAL FACILITY AND IN CONFORMANCE WITH ALL APPLICABLE LAWS AND REGULATIONS. DEBRIS OR OTHER DELETERIOUS MATERIALS SHALL NOT BE BURIED ON SITE
7. APPROVED VEHICLE ACCESS FOR FIRE FIGHTING SHALL BE PROVIDED AT ALL TIMES. VEHICLE ACCESS SHALL BE PROVIDED TO WITHIN 100 FEET OF TEMPORARY OR PERMANENT FIRE DEPARTMENT CONNECTIONS
8. PORTABLE FIRE EXTINGUISHERS SHALL BE PROVIDED WITH NOT LESS THAN ONE APPROVED PORTABLE FIRE EXTINGUISHER IN ACCORDANCE WITH FIRE CODE OF NEW YORK STATE AND SIZED FOR NOT LESS THAN ORDINARY HAZARD

SOIL EROSION AND SEDIMENT CONTROL

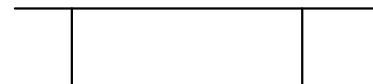
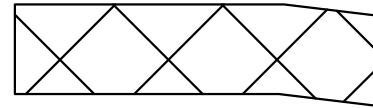
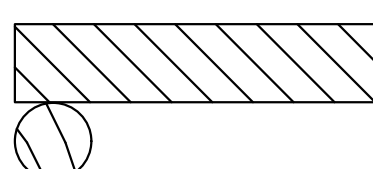
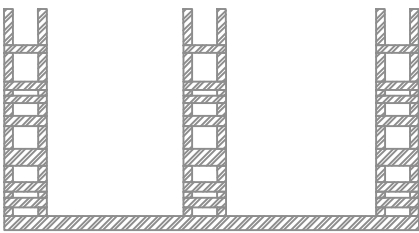
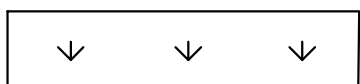
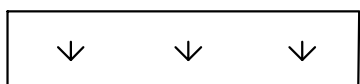
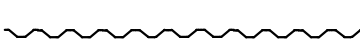
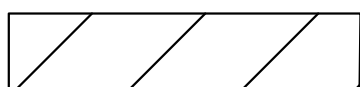
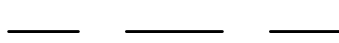
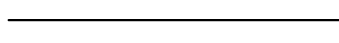
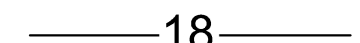
1. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF ANY CONSTRUCTION OPERATION. ADDITIONAL EROSION CONTROL MEASURES MAY BE NECESSARY BASED UPON FIELD CONDITIONS THAT MAY DEVELOP
2. CONTRACTOR SHALL ESTABLISH AND MAINTAIN EROSION CONTROL MEASURES AS NECESSARY AND IN ACCORDANCE WITH NYSDEC GUIDELINES FOR EROSION & SEDIMENT CONTROL MEASURES AND CURRENT STORMWATER REGULATIONS

3. CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS AND APPROVALS AND COMPLY WITH THE APPLICABLE PROVISIONS OF THE CONTRACT DOCUMENTS
4. EXISTING VEGETATION TO REMAIN SHALL BE PROTECTED AND REMAIN UNDISTURBED, EXCEPT AS INDICATED OTHERWISE ON THE DRAWINGS
5. CLEARING & GRUBBING AND EARTHWORK SHALL BE SCHEDULED TO MINIMIZE THE SIZE OF EXPOSED AREAS AND THE LENGTH OF TIME THAT DISTURBED AREAS ARE EXPOSED
6. GRADED AND STRIPPED AREAS AND STOCKPILES SHALL BE KEPT STABILIZED IN ACCORDANCE WITH INDUSTRY STANDARDS AND REGULATORY REQUIREMENTS
7. APPROPRIATE MEANS SHALL BE USED TO CONTROL DUST DURING CONSTRUCTION
8. A STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED AND MAINTAINED TO PREVENT SOIL AND LOOSE DEBRIS FROM BEING TRACKED OFF SITE. THE CONSTRUCTION ENTRANCE AND EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL THE SITE IS PERMANENTLY STABILIZED
9. PROVISION SHALL BE MADE TO PREVENT THE ACCUMULATION OF WATER ON THE PREMISES AND ADJOINING PROPERTIES
10. CONTRACTOR SHALL NOT DISCHARGE ANY WATER TO THE RIVER THAT MAY CONTRAVENE WATER QUALITY STANDARDS OR CAUSE AN INCREASE IN VISUAL TURBIDITY OF THE RIVER. SEDIMENT SHALL BE CONTROLLED ON SITE
11. PROPER MAINTENANCE OF EROSION CONTROL MEASURES IS TO BE PERFORMED AS INDICATED BY PERIODIC INSPECTIONS AND AFTER HEAVY OR PROLONGED STORMS
12. THE CONTRACTOR SHALL RESEED ALL AREAS WHERE CONTRACTOR DAMAGES EXISTING GRASS. RESEEDING INCLUDES FURNISHING TOPSOIL, MULCH AND WATER UNTIL THE NEW TURF IS ESTABLISHED

LIST OF DRAWINGS

SHEET NO.	DRAWING NO.	DRAWING DESCRIPTION
1	--	COVERSHEET
2	G1	GENERAL NOTES AND LEGEND
3	OP1	EXISTING CONDITIONS & REMOVAL PLAN
4	SP1	OVERALL SITE PLAN
5	SP2	ENLARGED SITE PLAN
6	GL1	GRADING AND LANDSCAPE PLAN
7	D1	DETAILS 1
8	D2	DETAILS 2

LEGEND

	EXISTING TREELINE		PROPOSED TURBIDITY CURTAIN
	EXISTING BOLLARD		PROPOSED COIR LOG
	EXISTING CONCRETE/WOOD/METAL DEBRIS		PROPOSED TIMBER PILING WALL
	EXISTING SHIP FALLS SYSTEM		PROPOSED LIVE STAKE
			PROPOSED HYDROSEEDING AREA
	EXISTING STEEL SHEET PILING WALL		PROPOSED WATERFOWL CONTROL FENCE
	EXISTING TREE	 XX	PROPOSED TREE
	RIVER	 XX	PROPOSED SHRUB
 OHWM	ORDINARY HIGH WATER MARK (OHWM)		PROPOSED TRACKING PAD
	CLEARING AND GRUBBING LIMIT LINE		PROPOSED PARKING LOT AND PERMANENT ACCESS ROAD (BY OTHERS)
	APPROXIMATE PROPERTY LINE		PROPOSED TEMPORARY ACCESS ROAD AND STAGING AREA
	LOCUS LIMITS		PROPOSED STOCKPILE AREA
 18	EXISTING CONTOUR		PROPOSED CONTOUR
 22.7	EXISTING GRADE		

M&J ENGINEERING P.C.

"INNOVATIVE AND STATE-OF-THE-ART SOLUTIONS"

2003 JERICHO TURNPIKE • NEW HYDE PARK, NY 11040 • 516.821.7300

NO.	DATE	DESCRIPTION



THE CHAZEN COMPANIES

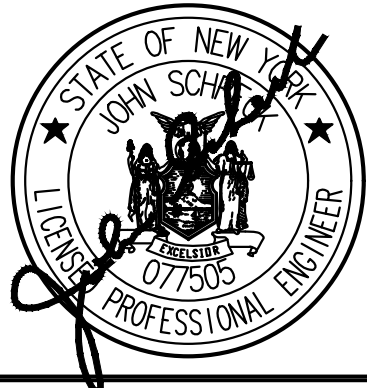
MATTON SHIPYARD

SHORELINE STABILIZATION DESIGN

PRESERVATION AND ADAPTIVE

REUSE INITIATIVE

IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER AN ITEM ON THIS DRAWING IN ANY WAY. IF AN ITEM IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE ITEM HIS SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.



DATE	JULY 2021
DESIGNED BY	J.S.
DRAWN BY	T.Z.
CHECKED BY	P.V./B.M.
SCALE	AS NOTED

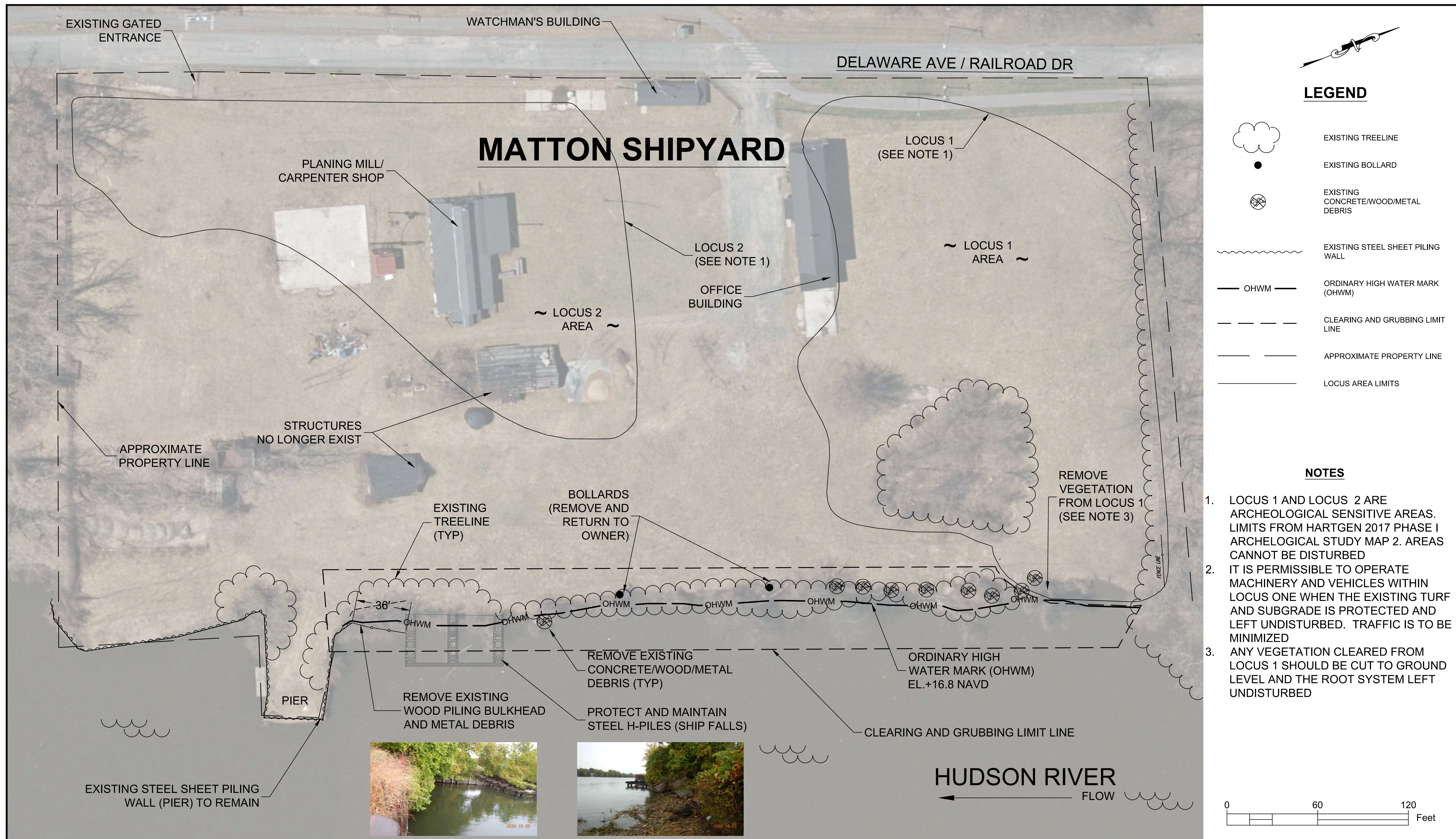
GENERAL NOTES AND LEGEND

M&J 20-27

DRAWING NUMBER

G1

SHEET 2 OF 8



NO.	DATE	DESCRIPTION



THE CHAZEN COMPANIES

MATTON SHIPYARD

SHORELINE STABILIZATION DESIGN

PRESERVATION AND ADAPTIVE

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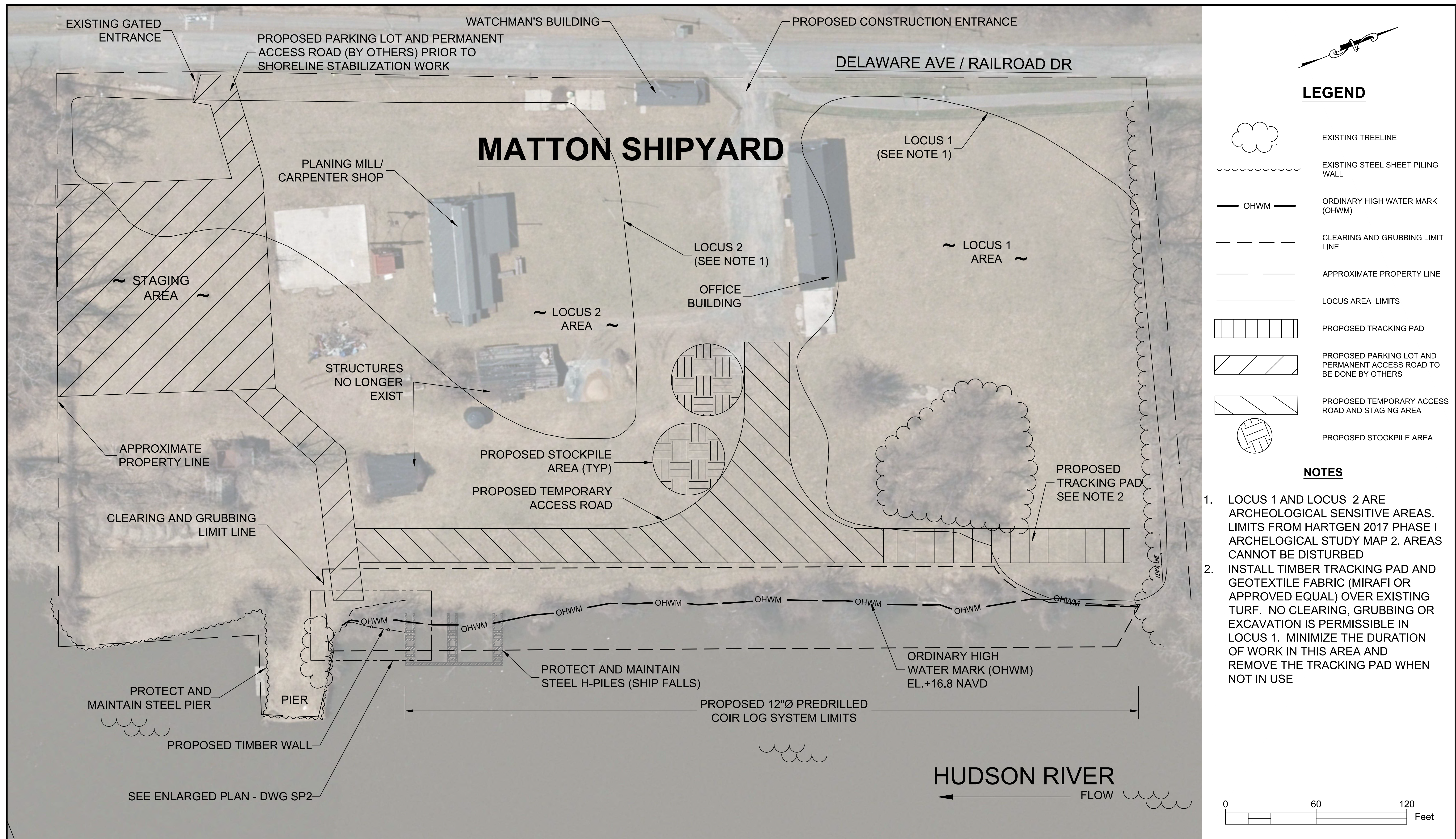
EXISTING CONDITIONS & REMOVAL PLAN

SHEET 3 OF 8

M&J 20-27

DRAWING NUMBER

OP1



M&J ENGINEERING P.C.

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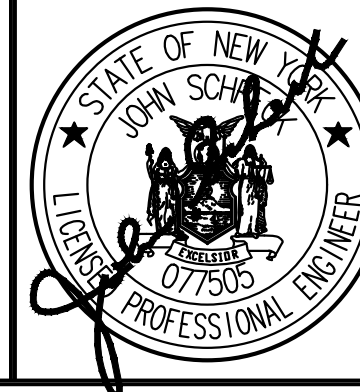
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Chazen
A LaBella Company

THE CHAZEN COMPANIES
MATTON SHIPYARD
SHORELINE STABILIZATION DESIGN
PRESERVATION AND ADAPTIVE
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OVERALL SITE PLAN

M&J 20-27

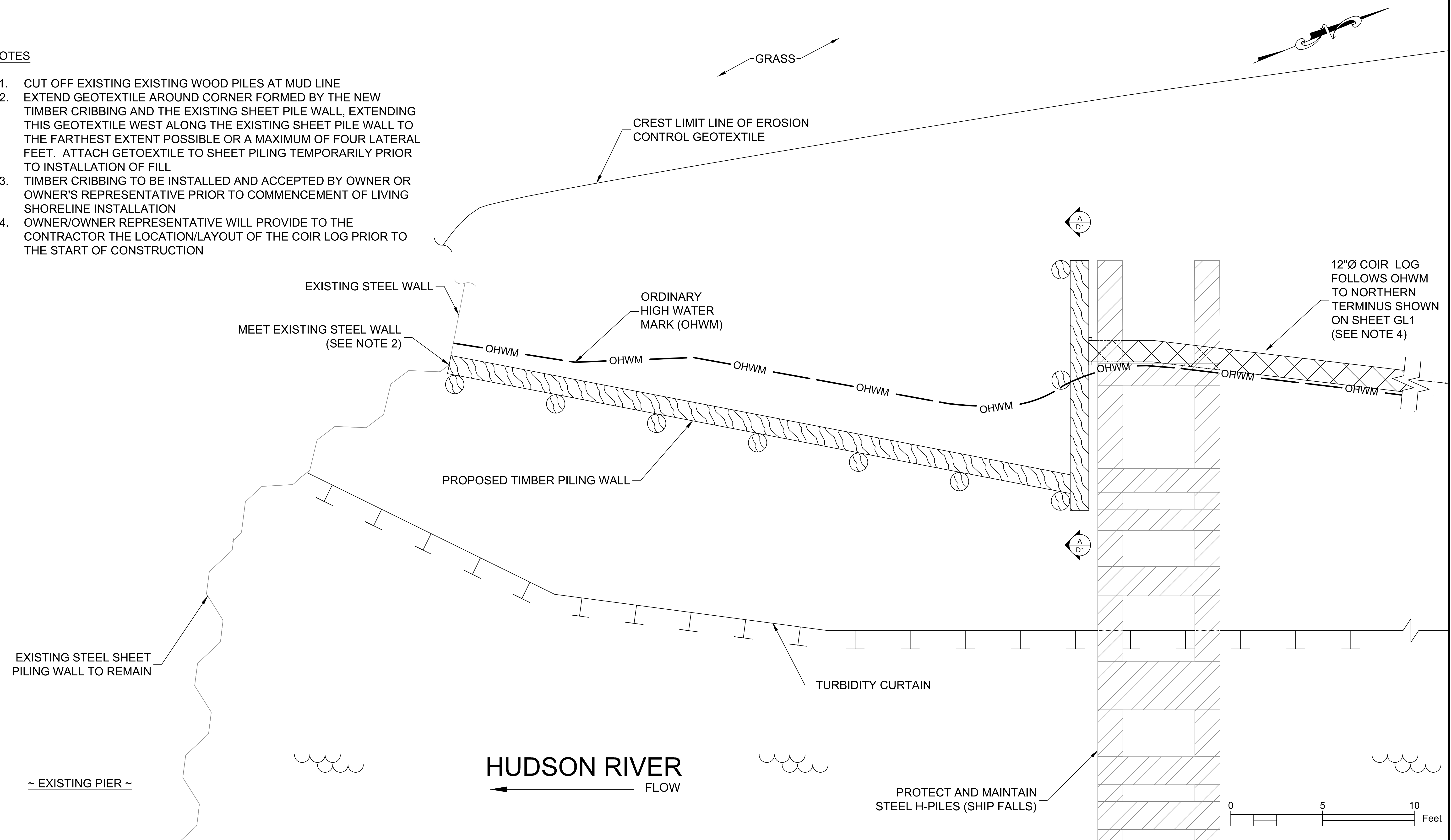
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SP1

SHEET 4 OF 8

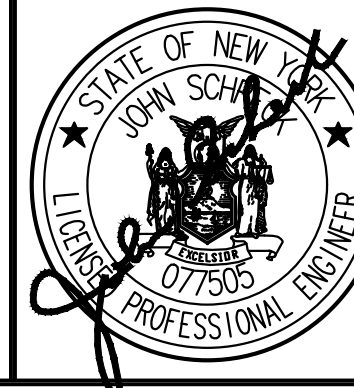
NOTES

1. CUT OFF EXISTING EXISTING WOOD PILES AT MUD LINE
2. EXTEND GEOTEXTILE AROUND CORNER FORMED BY THE NEW TIMBER CRIBBING AND THE EXISTING SHEET PILE WALL, EXTENDING THIS GEOTEXTILE WEST ALONG THE EXISTING SHEET PILE WALL TO THE FARTHEST EXTENT POSSIBLE OR A MAXIMUM OF FOUR LATERAL FEET. ATTACH GETOEXTILE TO SHEET PILING TEMPORARILY PRIOR TO INSTALLATION OF FILL
3. TIMBER CRIBBING TO BE INSTALLED AND ACCEPTED BY OWNER OR OWNER'S REPRESENTATIVE PRIOR TO COMMENCEMENT OF LIVING SHORELINE INSTALLATION
4. OWNER/OWNER REPRESENTATIVE WILL PROVIDE TO THE CONTRACTOR THE LOCATION/LAYOUT OF THE COIR LOG PRIOR TO THE START OF CONSTRUCTION

[illegible]

THE CHAZEN COMPANIES
MATTON SHIPYARD
SHORELINE STABILIZATION DESIGN
PRESERVATION AND ADAPTIVE
REUSE INITIATIVE

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DATE	JULY 2021
DESIGNED BY	J.S.
DRAWN BY	T.Z.
CHECKED BY	P.V./B.M.
SCALE	AS NOTED

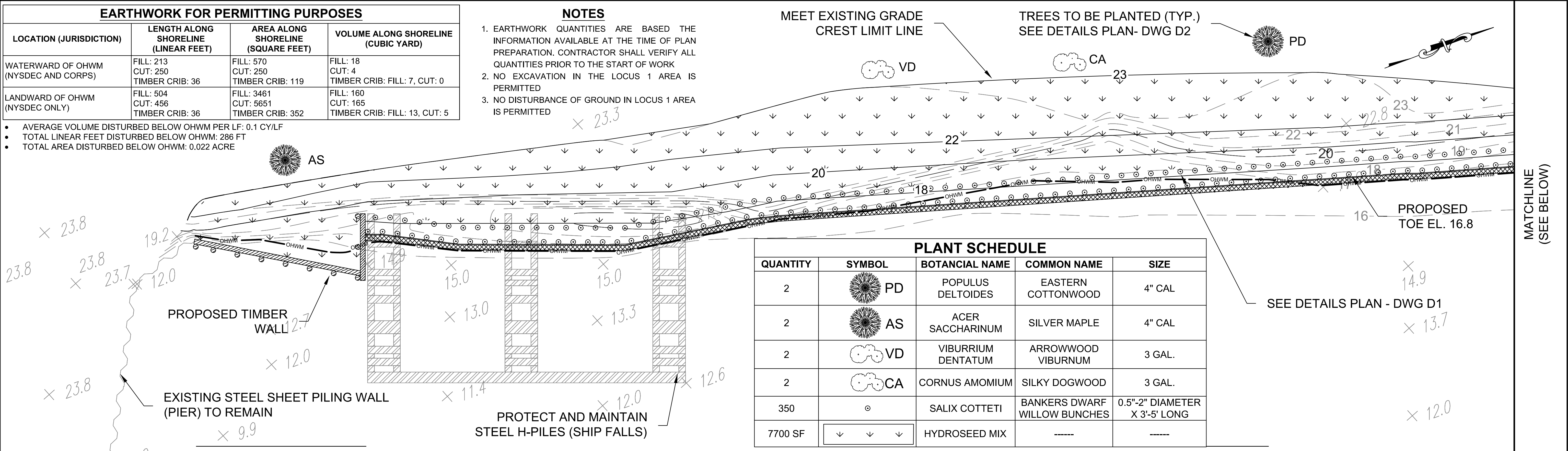
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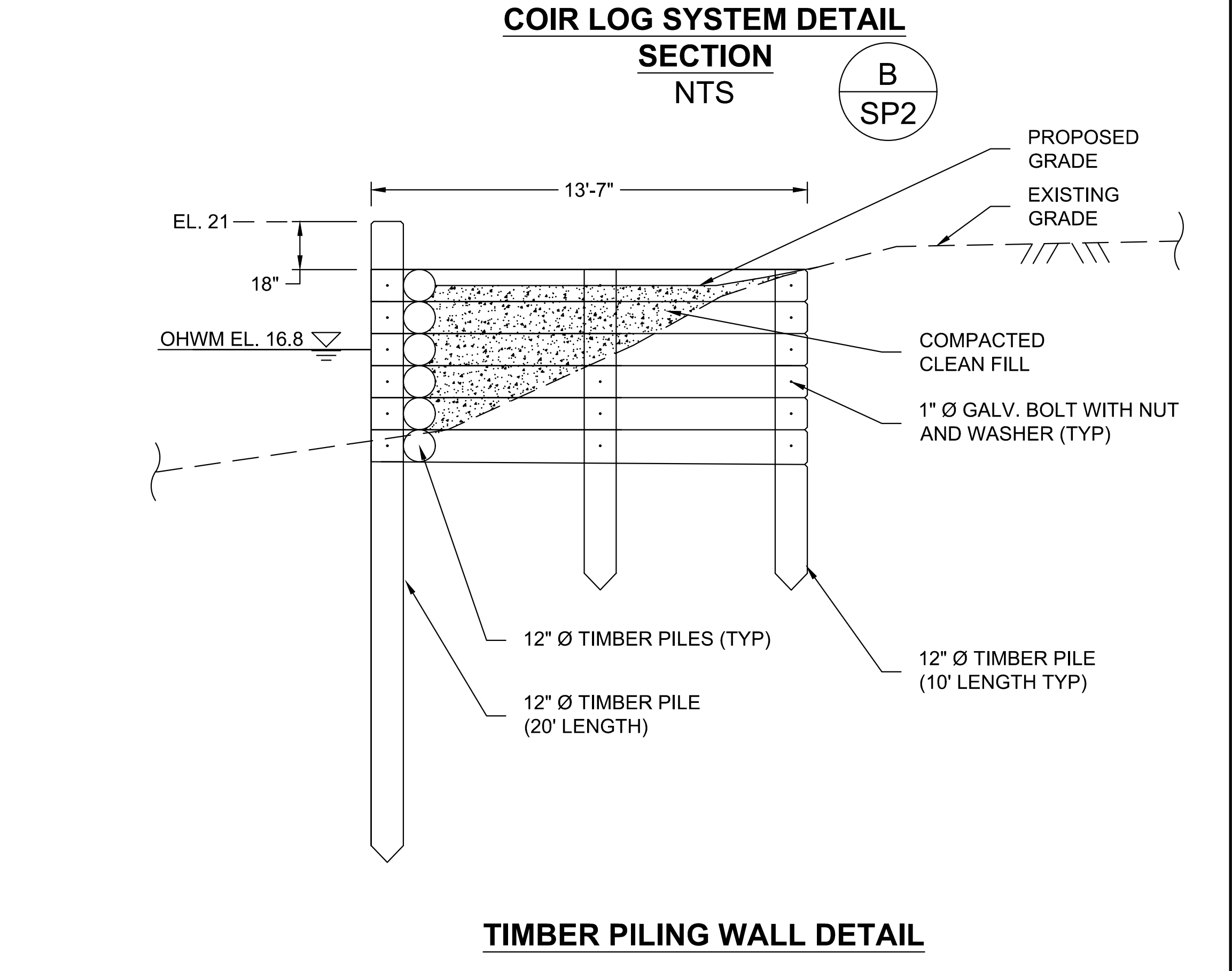
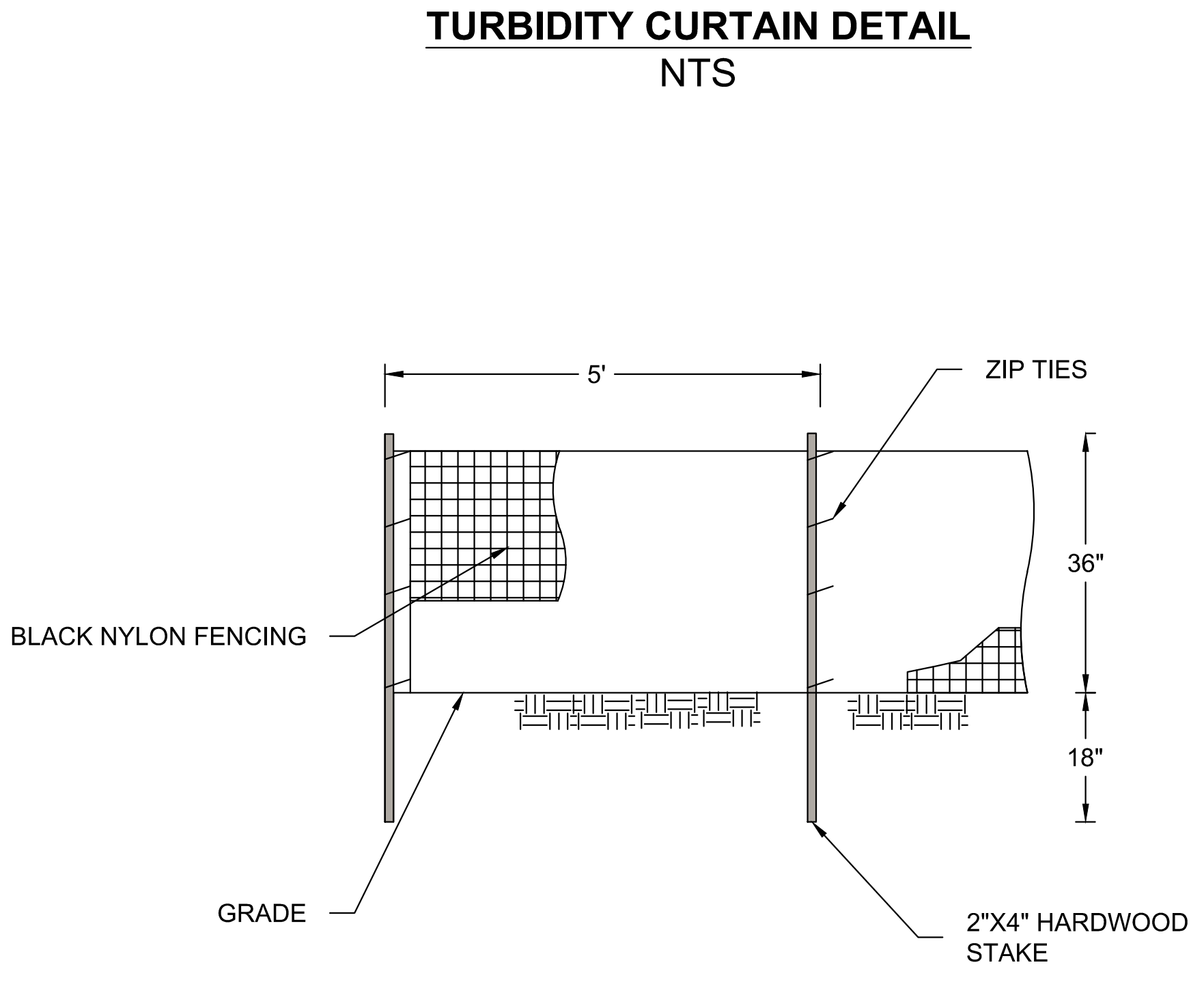
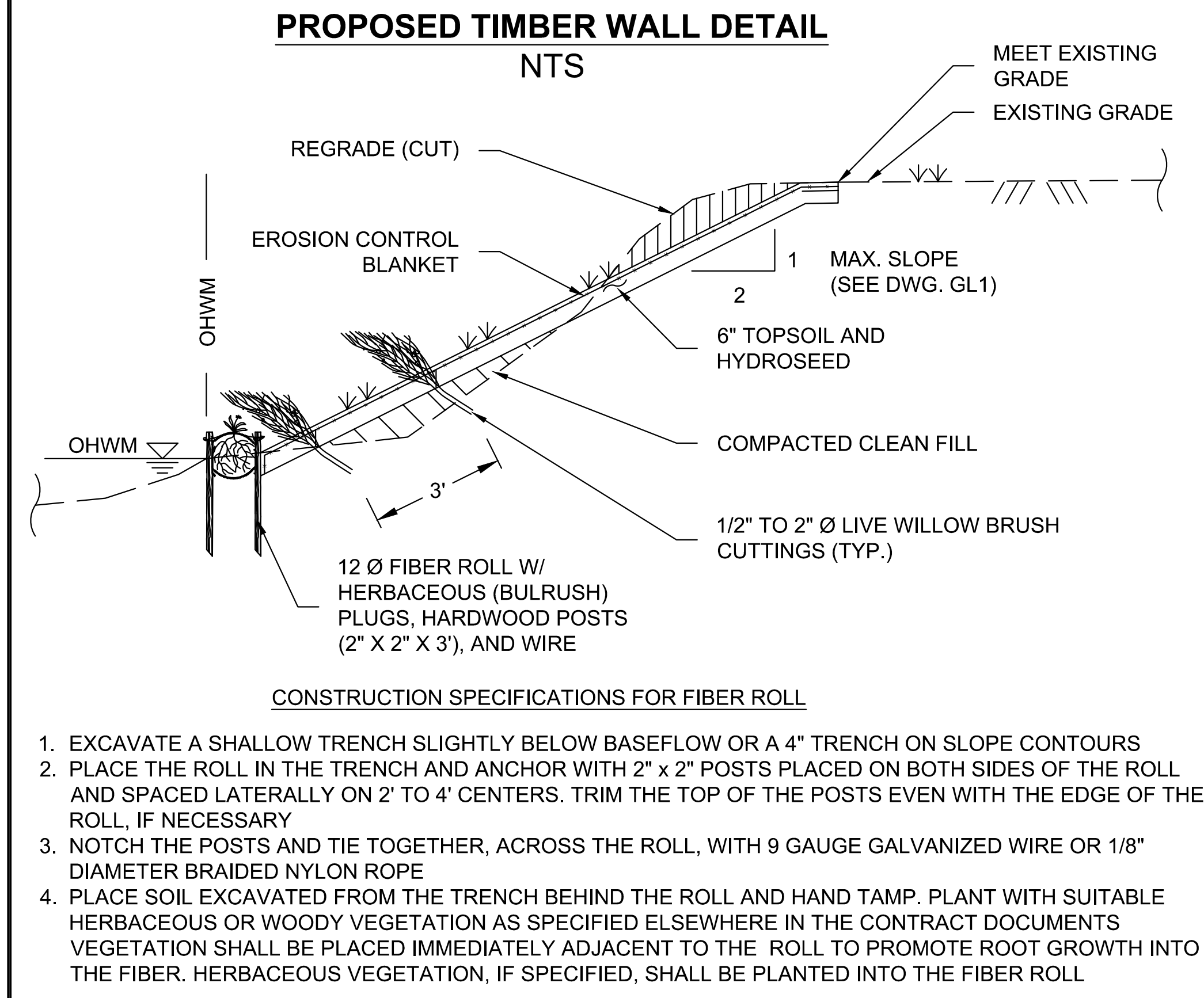
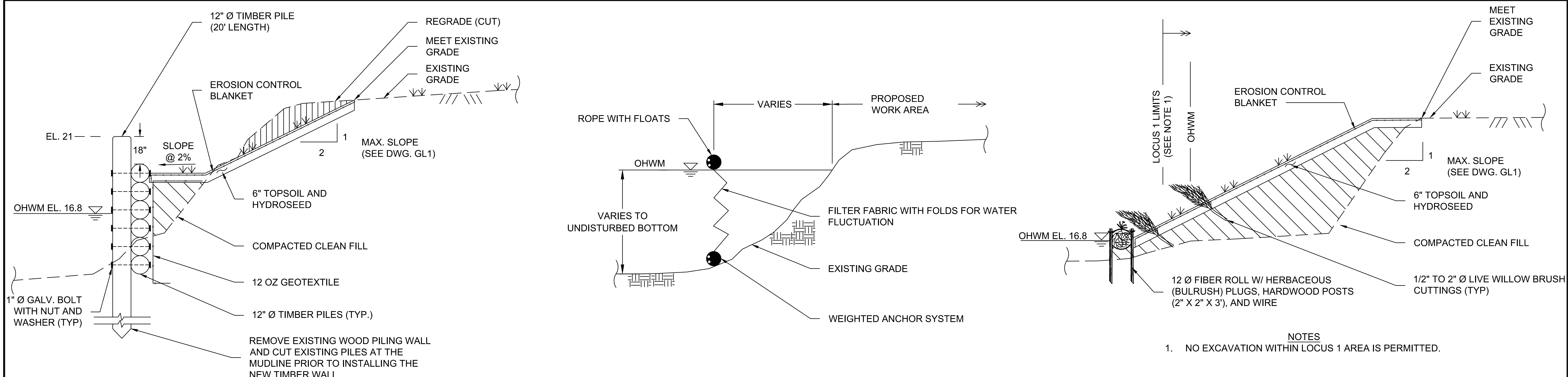
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DRAWING NUMBER

SP2

SHEET 5 OF 8



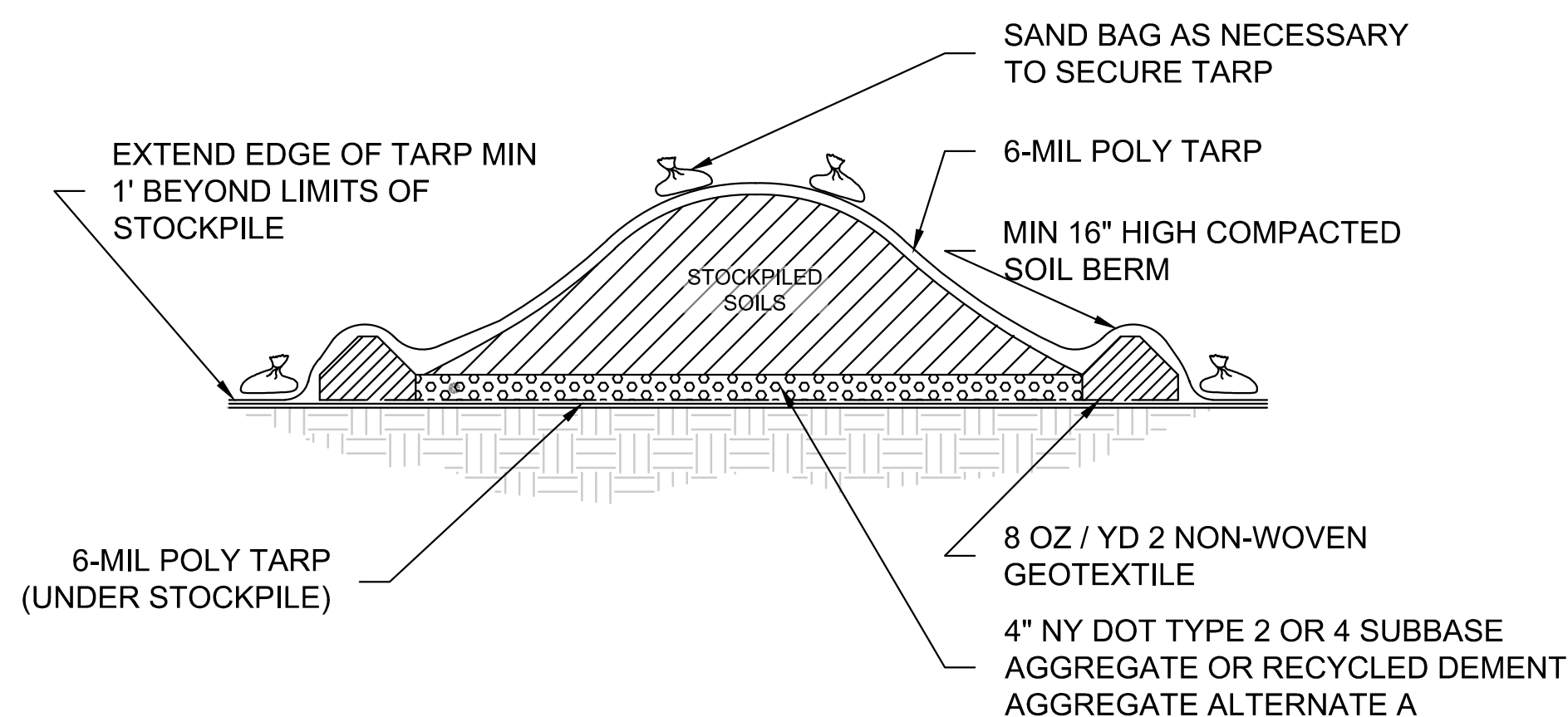




NOTES FOR SILT FENCE

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 6" MAXIMUM MESH OPENING
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT
4. PREFABRICATED UNITS SHALL MEET THE MINIMUM REQUIREMENTS SHOWN.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE

SILT FENCE DETAIL
NTS

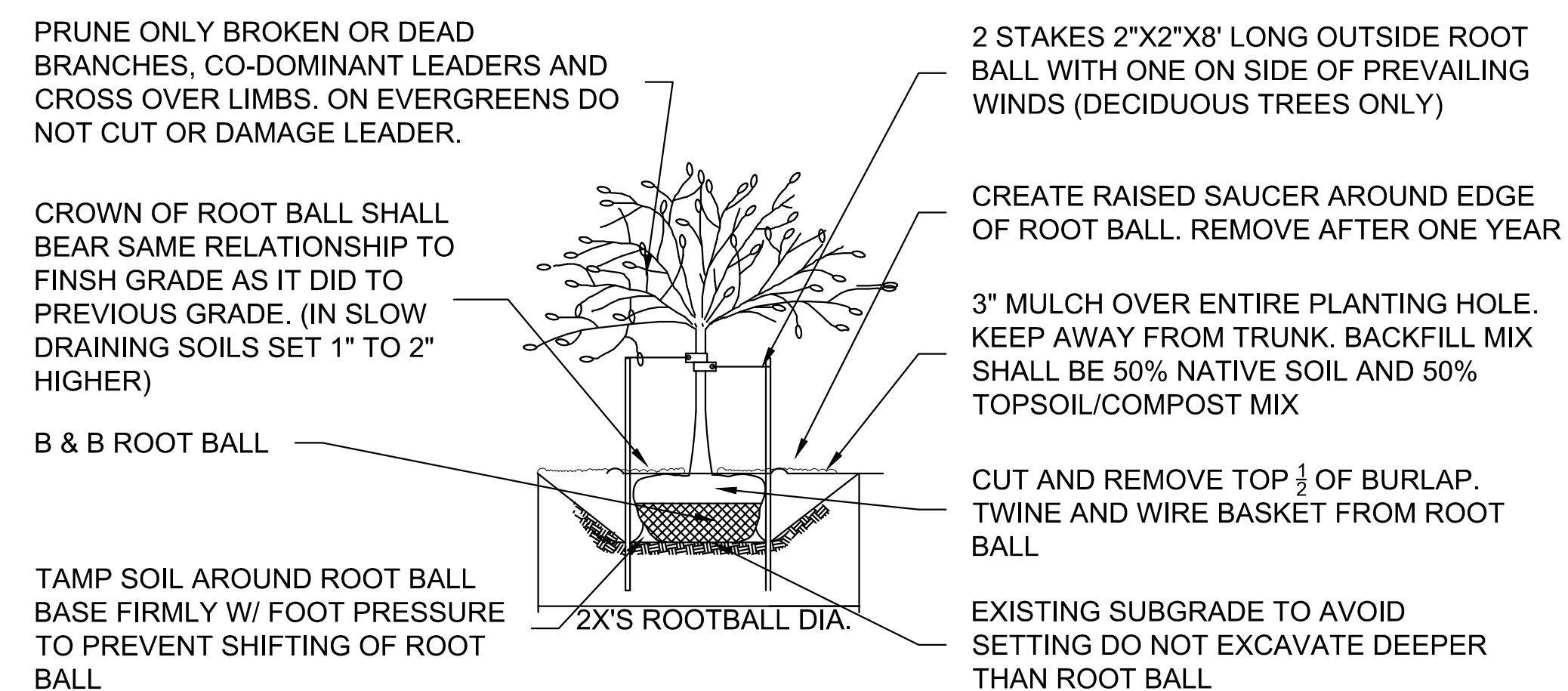


NOTES FOR SOIL STOCKPILE

1. STOCKPILED SOILS SHALL BE TARPED AT THE END OF EVERY WORKING DAY

SOIL STOCKPILE DETAIL

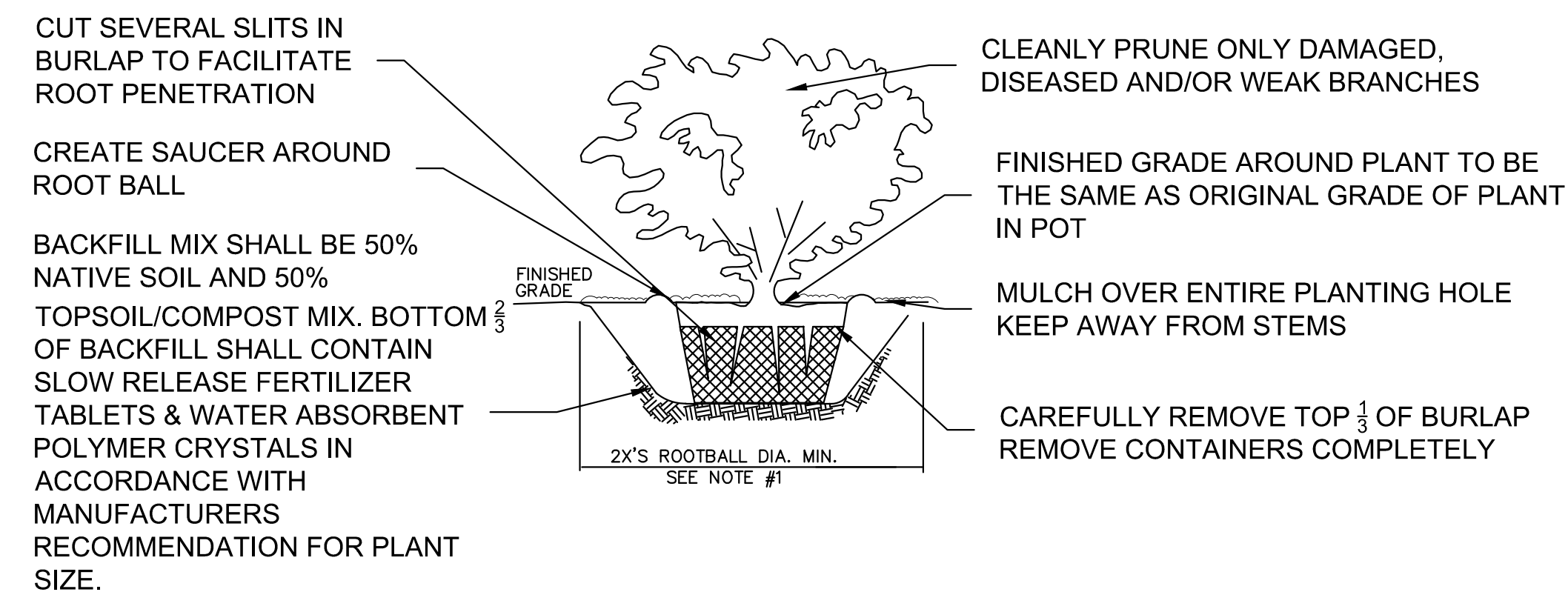
NTS



NOTES FOR TREE

1. DO NOT DAMAGE MAIN ROOTS OR ROOT BALL WHEN INSTALLING TREE STAKE
2. WATER THOROUGHLY AFTER EXCAVATION AND AFTER PLANT INSTALLATION
3. REMOVE SAUCER AND STAKES AFTER FIRST YEAR
4. NOTIFY ENGINEER IF IMPERVIOUS OR UNACCEPTABLE NATIVE SOIL IS ENCOUNTERED IN TREE PITS

TREE PLANTING DETAIL
NTS



NOTES FOR SHRUB

1. WATER THOROUGHLY AFTER EXCAVATION AND AFTER PLANT INSTALLATION
2. NOTIFY ENGINEER IF IMPERVIOUS OR UNACCEPTABLE NATIVE SOIL IS ENCOUNTERED IN PITS

SHRUB AND HEDGE PLANTING DETAIL
NTS

[illegible]

THE CHAZEN COMPANIES
MATTON SHIPYARD
SHORELINE STABILIZATION DESIGN
PRESERVATION AND ADAPTIVE
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DETAILS

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D2

SHEET 8 OF 8