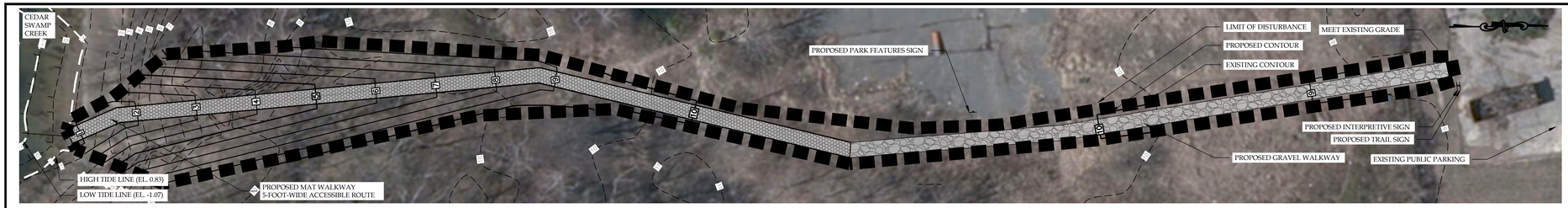


ALIGNMENT PLAN

SCALE : 1" = 20'

GRADING & DRAINAGE NOTES

1. ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF ALL LOCAL, COUNTY AND STATE LAWS AND APPLICABLE CODES.
2. SITE ALIGNMENT AND GRADING IS BASED ON AVAILABLE LIDAR TOPOGRAPHY AND SUPPLEMENTED WITH GPS DATA. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS. ANY DIFFERENCES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER. .
3. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO COMMENCING THE WORK. CARE SHALL BE TAKEN NOT TO DISTURB POTENTIAL EXISTING UTILITIES, SERVICE CONNECTIONS (OR PORTIONS THEREOF) TO REMAIN. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH THE RESPECTIVE UTILITY COMPANY AND MARK ALL LOCATIONS OF UNDERGROUND UTILITIES IN THE FIELD PRIOR TO COMMENCEMENT OF WORK. CONTRACTOR IS RESPONSIBLE FOR ANY REPAIR OR REPLACEMENT OF ANY SYSTEM DAMAGED DURING THE CONSTRUCTION.
4. DEBRIS SHALL NOT BE BURIED ON THE SUBJECT SITE. ALL UNSUITABLE MATERIAL AND DEBRIS SHALL BE DISPOSED OF IN ACCORDANCE WITH LOCAL, COUNTY, STATE AND FEDERAL LAWS AND APPLICABLE CODES.
5. ALL EXISTING STRUCTURES TO BE REMOVED (FOUNDATIONS, ETC.) SHALL BE REPLACED WITH CLEAN COMPACTED GRANULAR FILL, COMPACTED TO 95% STANDARD PROCTOR DENSITY IN 6 INCH LIFTS.
6. MASS GRADING FILL AREAS SHALL BE FIRST STRIPPED OF TOPSOIL AND MASS GRADING FILL SHALL BE GENERATED IN 6 INCH LIFTS, COMPACTED TO 95% STANDARD PROCTOR DENSITY.
7. CREATE SMOOTH TRANSITIONS FROM PROPOSED GRADED AREAS TO EXISTING TERRAIN.
8. ALL PAVEMENT TO BE REMOVED SHALL BE PROPERLY DISPOSED OF OFF SITE. NO SCARIFIED PAVEMENT OR OTHER DEBRIS SHALL BE USED OR INCLUDED IN BACKFILL MATERIALS.
9. THE CONTRACTOR SHALL USE THE APPROPRIATE MEANS TO PREVENT SEDIMENT AND DEBRIS FROM WASHING TO ADJACENT AREAS, FURTHER SPECIFIED IN EROSION CONTROL NOTES AND DETAILS.
10. ALL DISTURBED AREAS TO BE FINE GRADED, TOPSOIL ADDED, AND LANDSCAPED
11. GRADING SHALL MEET MINIMUM ADA REQUIREMENTS; 5% MAXIMUM SLOPE IN THE DIRECTION OF TRAVEL AND 2% MAXIMUM CROSS-SLOPE.

MAT WALKWAY NOTES

1. MATERIAL: MOBIMAT, AFX GRADE (OR APPROVED EQUAL).
   COLOR: BROWN.
   MANUFACTURER:DESCHAMPS MAT SYSTEMS,
   218 LITTLE FALLS ROAD, UNIT 7,
   CEDAR GROVE, NJ 07009.
2. ANY SUBSTITUTIONS SHALL MEET OR EXCEED THAT OF PROPOSED. REQUEST FOR SUBSTITUTION SHALL BE MADE MINIMUM TEN DAYS PRIOR TO BID DUE DATE.
3. CONTRACTOR TO INSTALL MOBIMAT PER MANUFACTURER SPECIFICATIONS.
4. CONTRACTOR TO FACILITATE SITE MEETING WITH MANUFACTURER PRIOR TO INSTALLATION.
5. CONTRACTOR TO SUBMIT SAMPLES TO THE OWNER FOR APPROVAL.

KEY MAP

SCALE: 1"=1000'-0"

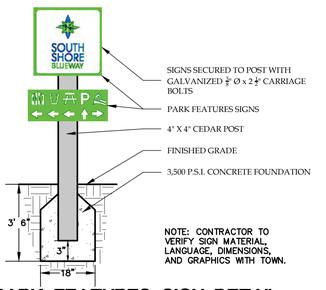
LEGEND

- PROPOSED MAT WALKWA`
- EXISTING CONTOURS
- PROPOSED CONTOURS
- LIMIT OF DISTURBANCE
- PROPOSED SIGN
- PROPOSED GRAVEL WALKWAY

SIGNS SECURED TO POST WITH GALVANIZED ⅜" Ø x 2 ½" CARRIAGE BOLTS
INTERPRETIVE SIGN
4" X 4" CEDAR POST (TYP.)
FINISHED GRADE
3,500 P.S.I. CONCRETE FOUNDATION (TYP.)
NOTE: CONTRACTOR TO VERIFY SIGN MATERIAL, LANGUAGE, AND GRAPHICS WITH TOWN.

INTERPRETIVE SIGN DETAIL

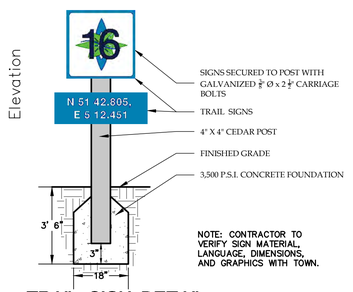
SCALE: NOT TO SCALE



SIGNS SECURED TO POST WITH GALVANIZED ⅜" Ø x 2 ½" CARRIAGE BOLTS
PARK FEATURES SIGNS
4" X 4" CEDAR POST
FINISHED GRADE
3,500 P.S.I. CONCRETE FOUNDATION
NOTE: CONTRACTOR TO VERIFY SIGN MATERIAL, LANGUAGE, DIMENSIONS, AND GRAPHICS WITH TOWN.

PARK FEATURES SIGN DETAIL

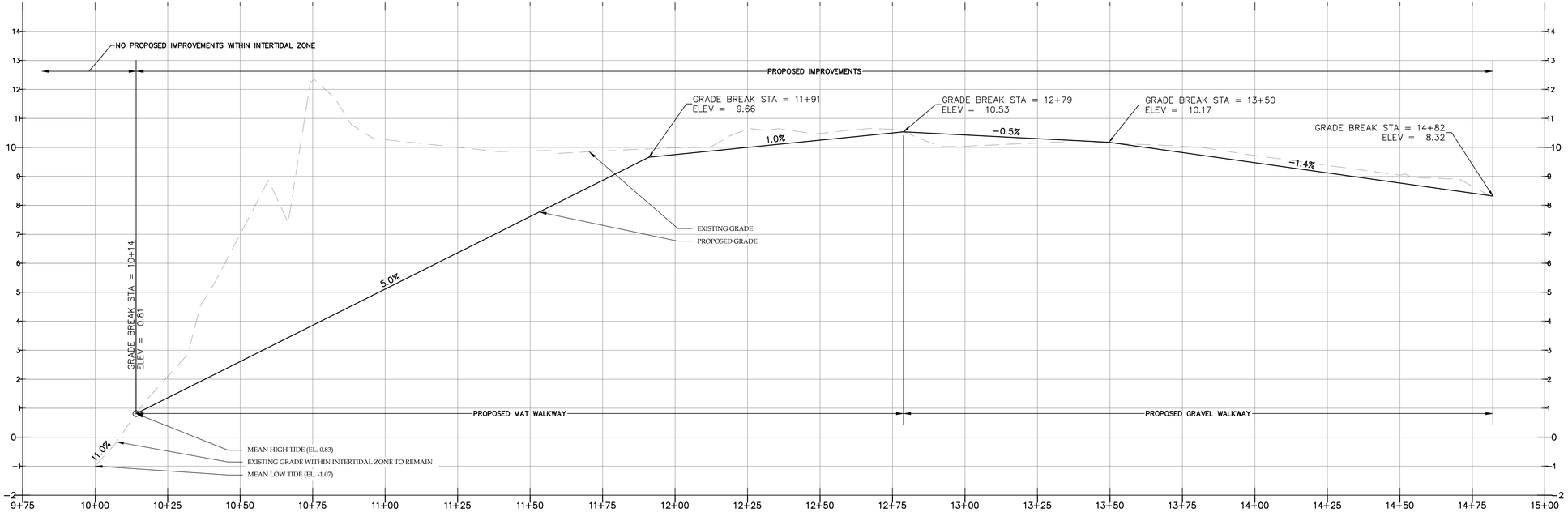
SCALE: NOT TO SCALE



SIGNS SECURED TO POST WITH GALVANIZED ⅜" Ø x 2 ½" CARRIAGE BOLTS
TRAIL SIGNS
4" X 4" CEDAR POST
FINISHED GRADE
3,500 P.S.I. CONCRETE FOUNDATION
NOTE: CONTRACTOR TO VERIFY SIGN MATERIAL, LANGUAGE, DIMENSIONS, AND GRAPHICS WITH TOWN.

TRAIL SIGN DETAIL

SCALE: NOT TO SCALE



CENTERLINE PROFILE

VERTICAL SCALE : 1" = 2'
HORIZONTAL SCALE : 1" = 20'

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GRAPHIC SCALE
20 0 10 20 40
(IN FEET)
HORIZ. 1 inch = 20 ft.

NO.	DATE	REVISION DESCRIPTION	INT.

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303 Tarrytown Road, 1st Floor, White Plains, NY 10603 T: (914) 721-8300
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PROJECT NAME: SOUTH SHORE BLUEWAY TRAIL

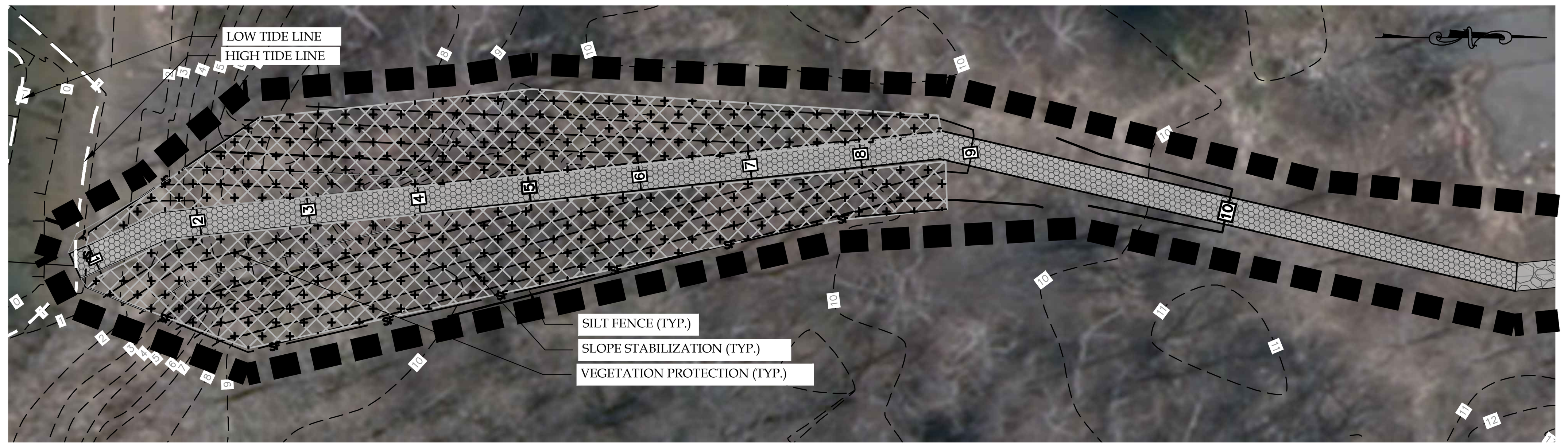
PROJECT LOCATION: NEWBRIDGE ROAD
BELLMORE, NEW YORK 11710

TITLE: NEWBRIDGE ROAD PARK

DISCIPLINE: CIVIL

PROJECT ENGINEER:	PROJECT NO.	DRAWING NO.
MAD/DB	CE2174E	1
DESIGNED BY: MAD/FD	JOB NO. CE2174E	DRAWING 1 of 3
DRAWN BY: FD	DATE: 01/31/14	
CHECKED BY: MAD	SCALE: AS SHOWN	

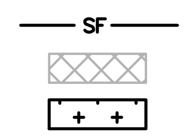
PLOT SCALE\: \CE2174E\FIGURES\Newbridge Park.dwg, Date: January 29, 2014, Plotted by:Michael De Giglio



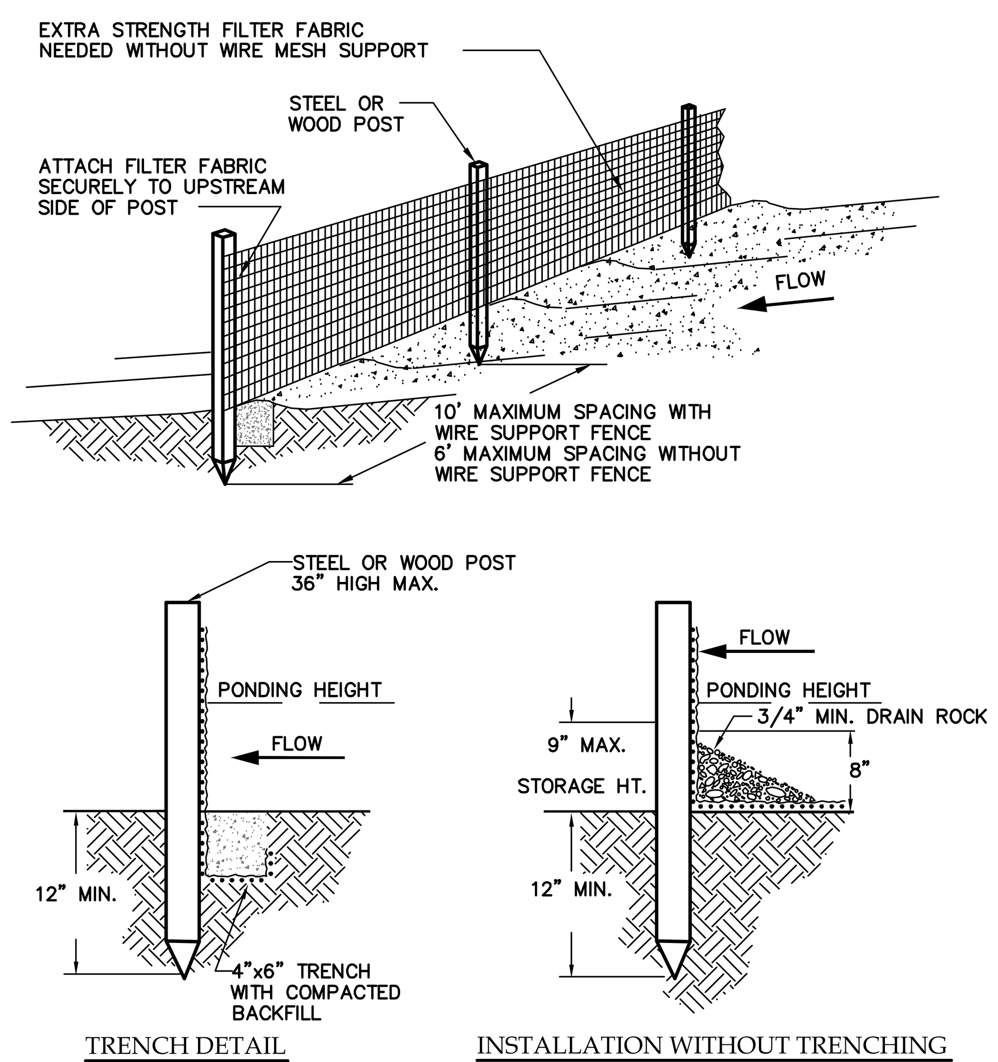
EROSION CONTROL AND WATERFOWL PROTECTION PLAN

SCALE: 1" = 20'

LEGEND



SILT FENCE
SLOPE STABILIZATION FABRIC
WATERFOWL PROTECTION

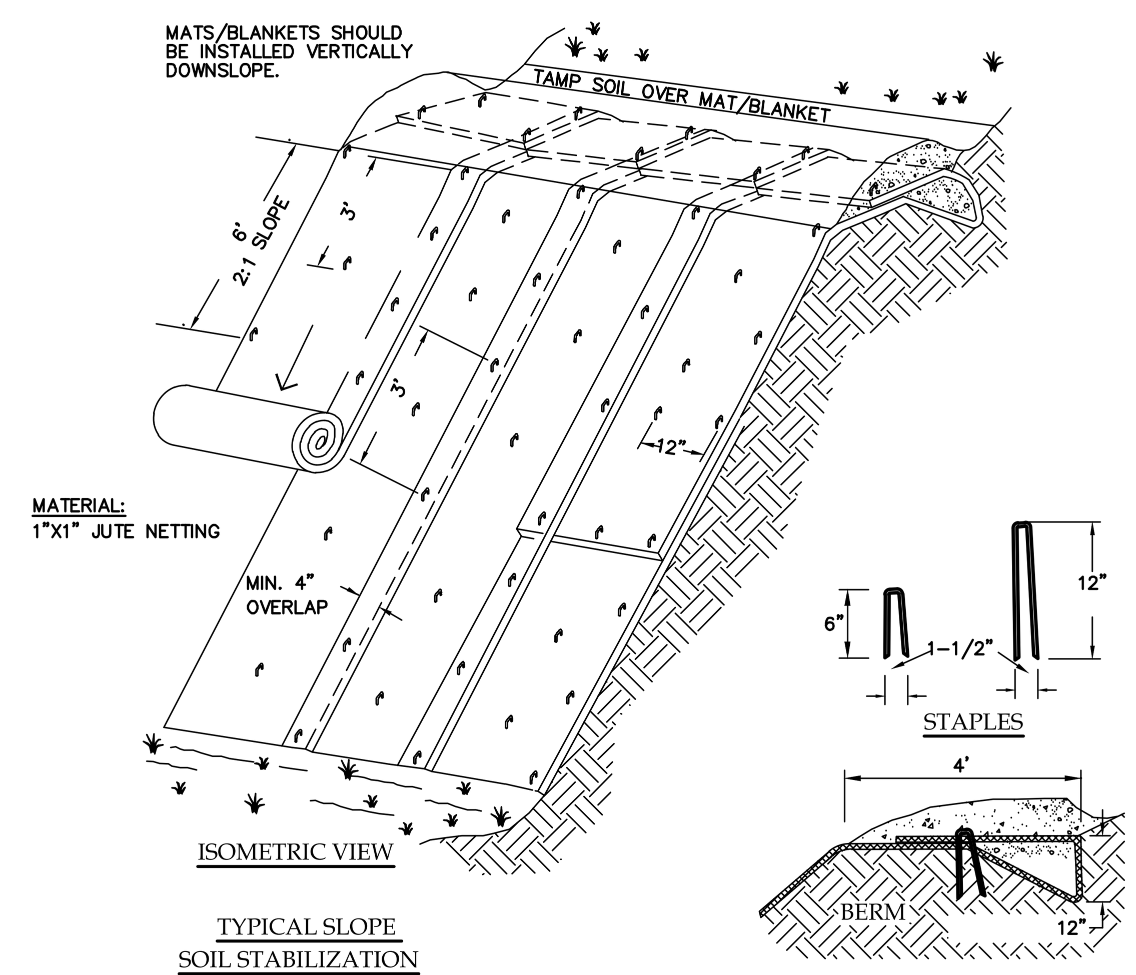


NOTES:

1. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.
2. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY. 9" MAXIMUM RECOMMENDED STORAGE HEIGHT.
3. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.

SILT FENCE DETAIL

SCALE: NTS



TYPICAL SLOPE SOIL STABILIZATION

NOTES:

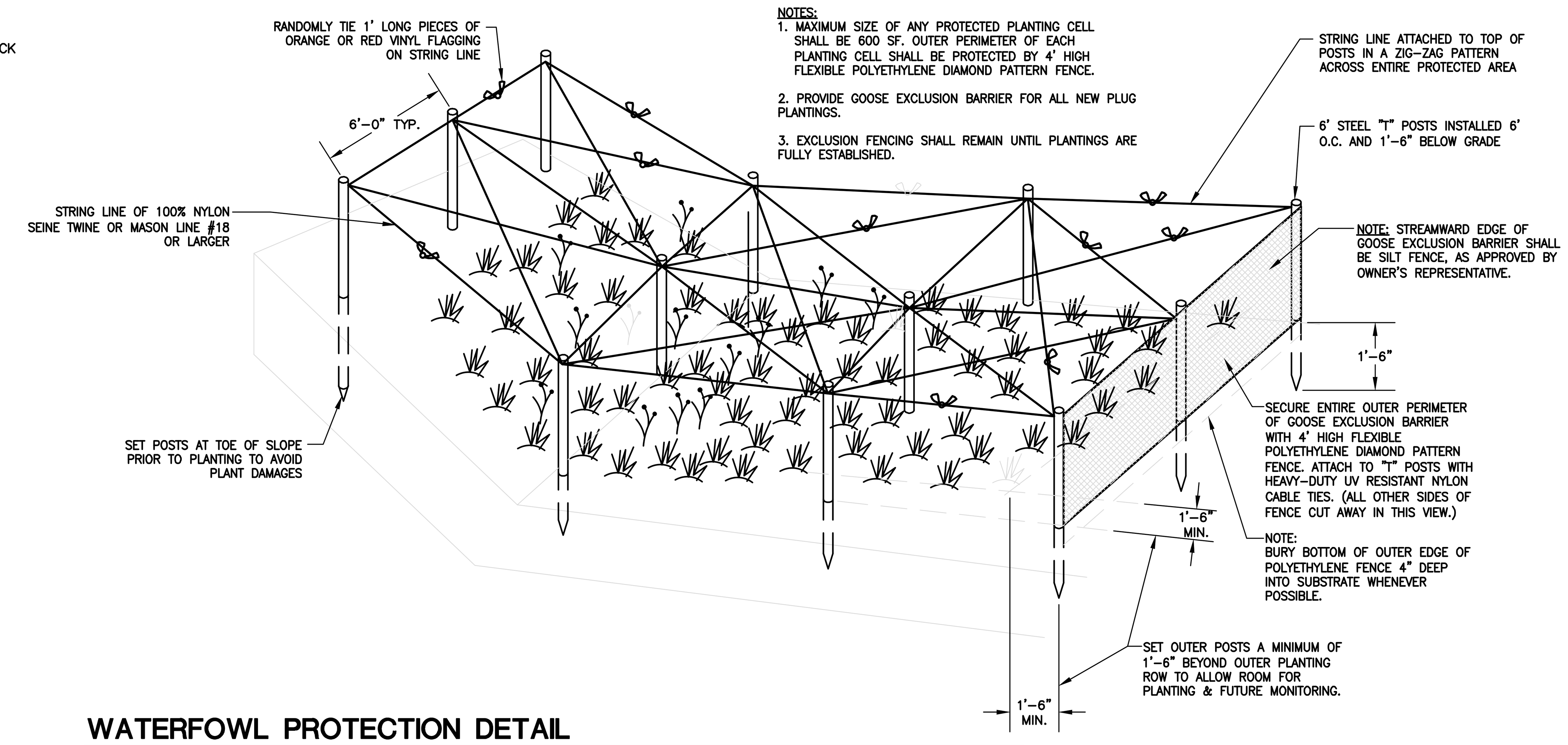
1. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS AND GRASS. MATS/BLANKETS SHALL HAVE GOOD SOIL CONTACT.
2. APPLY PERMANENT HYDOSEEDING AFTER PLACING BLANKETS.
3. LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.

SLOPE STABILIZATION

SCALE: NTS

NOTES:

1. MAXIMUM SIZE OF ANY PROTECTED PLANTING CELL SHALL BE 600 SF. OUTER PERIMETER OF EACH PLANTING CELL SHALL BE PROTECTED BY 4' HIGH FLEXIBLE POLYETHYLENE DIAMOND PATTERN FENCE.
2. PROVIDE GOOSE EXCLUSION BARRIER FOR ALL NEW PLUG PLANTINGS.
3. EXCLUSION FENCING SHALL REMAIN UNTIL PLANTINGS ARE FULLY ESTABLISHED.



WATERFOWL PROTECTION DETAIL

SCALE : N.T.S.

GENERAL NOTES

1. ALL WORK SHALL COMPLY WITH APPLICABLE FEDERAL, STATE AND LOCAL CODES, REGULATORY AGENCIES. THE CONTRACTOR SHALL NOTIFY/COORDINATE WITH THE OWNER FOR SITE IMPROVEMENTS INSTALLATION AND CONFORMANCE TO STANDARDS AND SPECIFICATIONS FOR ALL WORK.
2. ALL WORK, WHETHER SHOWN OR INFERRED, UNLESS SPECIFICALLY QUESTIONED, SHALL BE CONSIDERED FULLY UNDERSTOOD IN ALL RESPECTS BY THE CONTRACTOR, AND THE CONTRACTOR SHALL THEREBY BE RESPONSIBLE FOR ANY INTERPRETATIONS OR CONSEQUENCES THEREOF FOR ALL WORK ON ALL DRAWINGS.
3. THE OWNER'S REPRESENTATIVE SHALL BE NOTIFIED OF ANY DISCREPANCIES OR OMISSIONS WHICH COULD INTERFERE WITH THE SATISFACTORY COMPLETION OF THE WORK, PRIOR TO THE START OF ANY AND ALL WORK.
4. INSTALL WORK SO AS TO BE READILY ACCESSIBLE FOR OPERATING, MAINTENANCE AND REPAIR. MINOR DEVIATIONS FROM DRAWINGS, WITH NO MATERIAL COMPROMISE IN QUALITY, MAY BE MADE TO ACCOMPLISH THIS, BUT CHANGES OF MAGNITUDE AND/OR CHANGES WHICH RESULT IN EXTRA COST SHALL NOT BE MADE WITHOUT EXPRESSED APPROVAL.
5. THE CONTRACTOR SHALL IN ALL RESPECTS COMPLY WITH ALL REGULATIONS OF THE OWNER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN SUCH REGULATIONS FROM THE OWNER. IN THE EVENT OF CONFLICT BETWEEN REGULATIONS AND OTHER CONTRACT DOCUMENTS, THE OWNER'S REPRESENTATIVE AND OWNER SHALL BE CONSULTED PRIOR TO THE START OF ANY AND ALL WORK.
6. THE OWNER RESERVES THE RIGHT TO LET OTHER CONTRACTS IN CONNECTION WITH THE WORK OF THIS PROJECT. THE CONTRACTOR SHALL COOPERATE WITH OTHER CONTRACTORS AS REQUIRED TO CONFORM TO THE GENERAL CONSTRUCTION SCHEDULE AND SHALL AFFORD OTHER CONTRACTORS REASONABLE OPPORTUNITY FOR THE INTRODUCTION AND STORAGE OF THEIR MATERIALS AND EQUIPMENT AND THE EXECUTION OF THEIR WORK.
7. THE CONTRACTOR AND EACH SUBCONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING ALL DRAWINGS AND SPECIFICATIONS, AND NOTING ALL APPLICABLE WORK AS SHOWN OR INFERRED. ALL WORK AS SHOWN OR INFERRED SHALL BE INCLUDED IN THE COSTS.
8. THE CONTRACTOR SHALL FIRST COORDINATE AND THEN SUBMIT ALL SUBCONTRACTORS' SHOP DRAWINGS TO THE OWNER'S REPRESENTATIVE FOR REVIEW PRIOR TO WORK BEING PERFORMED.
9. ALL WORK SHALL CONFORM TO THE DRAWINGS AND SPECIFICATIONS AND SHALL BE OF NEW AND BEST QUALITY. NO MATERIAL SUBSTITUTIONS SHALL BE MADE, EXCEPT BY WRITTEN APPROVAL OF THE OWNER'S REPRESENTATIVE IN RESPONSE TO THE CONTRACTOR'S WRITTEN REQUEST.
10. ALL MANUFACTURED ARTICLES, MATERIALS AND EQUIPMENT SHALL BE SUPPLIED, INSTALLED, CONNECTED, ERECTED, USED, CLEANED AND CONDITIONED AS DIRECTED BY THE MANUFACTURERS, UNLESS OTHERWISE SPECIFIED ON THE DRAWINGS.
11. THE CONTRACTOR SHALL REPAIR AND RESTORE TO ORIGINAL CONDITION ANY EXISTING EQUIPMENT OR MATERIALS DAMAGED IN THE PROCESS OF INSTALLATION, AND DEMOLITION TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE AND AT NO ADDITIONAL COST TO THE OWNER.
12. THE CONTRACTOR SHALL MAKE REPAIRS USING THE SAME MATERIALS, AT THE CONTRACTOR'S COST.
13. THE CONTRACTOR SHALL INCUR ALL COSTS AND BURDENS ASSOCIATED WITH LOST, STOLEN OR DAMAGED EQUIPMENT AND MATERIALS.
14. TOPOGRAPHIC / MAP DATA PROVIDED BY FROM LIDAR DATA COMBINED WITH ENGINEER'S FIELD OBSERVATIONS.
15. CONTRACTOR IS RESPONSIBLE TO FACILITATE ON-SITE MARK-OUT OF EXISTING UTILITIES PRIOR TO CONSTRUCTION. WHENEVER EXISTING IMPROVEMENT INFORMATION IS EITHER INDICATED ON THE DRAWINGS OR SUPPLIED TO THE CONTRACTOR AT A LATER DATE, IT IS UNDERSTOOD THAT SUCH INFORMATION IS FURNISHED IN GOOD FAITH FOR THE CONTRACTOR'S CONVENIENCE. THE CONTRACTOR MUST INTERPRET THIS INFORMATION ACCORDING TO HIS OWN JUDGMENT, AND MUST MAKE HIS OWN DETERMINATIONS REGARDING THE LOCATION OF ALL IMPROVEMENTS. NO CLAIM WILL BE ALLOWED BECAUSE OF INCORRECT, INCOMPLETE OR OMITTED EXISTING IMPROVEMENTS INFORMATION.
16. ALL WORK, MATERIALS, SPECIFICATIONS, REGULATIONS, RULES, PERMITS, ETC., OF ALL STATE, COUNTY AND LOCAL GOVERNMENTS AND ALL UTILITY AGENCIES SHALL BE FOLLOWED BY THE CONTRACTOR.
17. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE STATE OF NEW YORK DEPARTMENT OF LABOR, BOARD OF STANDARDS AND APPEALS INDUSTRIAL CODE RULE 53 – "CONSTRUCTION, EXCAVATION UNDERGROUND FACILITIES" EFFECTIVE APRIL 1, 1975. AND, DEMOLITION OPERATIONS AT OR NEAR THE CONTRACT WILL BE REQUIRED TO COMPLY WITH ALL APPLICABLE REQUIREMENTS OF INDUSTRIAL CODE 53.
18. UTILITY FORCES, CONTRACTORS, OR OTHER PARTIES MAY BE EXPECTED TO BE WORKING WITHIN THE CONTRACT AREA DURING THE CONTRACT. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE HIS WORK UNDER THIS CONTRACT WITH THE WORK BEING DONE BY OTHERS IN ORDER THAT THE CONSTRUCTION MAY PROCEED IN AN EFFICIENT AND LOGICAL MANNER.
19. THE CONTRACTOR SHALL RESTORE ALL DISTURBED EXISTING FEATURES TO A CONDITION EQUAL TO OR BETTER THAN CURRENTLY EXISTED.
20. THE CONTRACTOR SHALL COMPLY WITH THE LATEST OSHA CONFINED SPACE ENTRY REQUIREMENTS (29 CFR PART 1910)
21. EACH CONTRACTOR IS CAUTIONED TO AVOID DISTURBING ANY FENCES, SHRUBS, TREES, ETC., THAT ARE ADJACENT TO HIS CONSTRUCTION WITHOUT WRITTEN PERMISSION FROM THE ENGINEER. AS ORDERED BY THE ENGINEER, THE COST OF REPAIRING OR ADJUSTING ANY SUCH DISTURBED AREAS WILL BE AT THE CONTRACTOR'S OWN EXPENSE. IN THE EVENT THAT TREES ARE ENDANGERED, THE CONTRACTOR WILL TAKE ALL PRECAUTIONS TO PROTECT THEM, AS DIRECTED BY THE ENGINEER. PAYMENT FOR ANY NECESSARY WORK SHALL BE INCLUDED IN THE VARIOUS CONTRACT ITEMS.
22. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO COORDINATE THE ACTIVITIES OF ANY SUBCONTRACTOR, CONTRACTOR, OWNER CONTRACTED TRADESMAN, MUNICIPAL EMPLOYEES, UTILITIES, ETC., INVOLVED IN THE OVERALL SCOPE OF THE PROJECT, INCLUDING UNAWARDED ALTERNATE WORK, AS PREVIOUSLY DESCRIBED, AT NO COST TO THE OWNER. THE GENERAL CONTRACTOR WILL PREPARE A PROJECT SCHEDULE INCLUDING THE WORK OF ALL OTHER CONTRACTORS.
23. BECAUSE THE PROPOSED IMPROVEMENTS ARE TO ENHANCE THE ASPECTS OF THE SITES, THE CONTRACTOR IS NOTIFIED THAT THE GENERAL PUBLIC, SOME OF WHOM MAY BE POTENTIAL VANDALS, WILL BE IN THE AREA AT ANY HOUR. EACH CONTRACTOR SHALL PROTECT, AT ALL TIMES, THE PUBLIC AND HIS WORK FROM HARM. EACH CONTRACTOR SHALL BEAR ALL RESPONSIBILITY FOR HARM TO THE PUBLIC AND DAMAGE TO HIS EQUIPMENT, TOOLS AND MATERIALS.

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GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
HORIZ. 1 inch = 20 ft.

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PROJECT NAME: SOUTH SHORE BLUEWAY TRAIL

PROJECT LOCATION: NEWBRIDGE ROAD BELLMORE, NEW YORK 11710

TITLE: NEWBRIDGE ROAD PARK (2)

DISCIPLINE: CIVIL

PROJECT ENGINEER: MAD/DB
DESIGNED BY: MAD/FD
DRAWN BY: FD
CHECKED BY: MAD
PROJECT NO. CE2174E
JOB NO. CE2174E
DATE: 01/31/14
SCALE: AS SHOWN
DRAWING NO. 2
DRAWING 2 of 3

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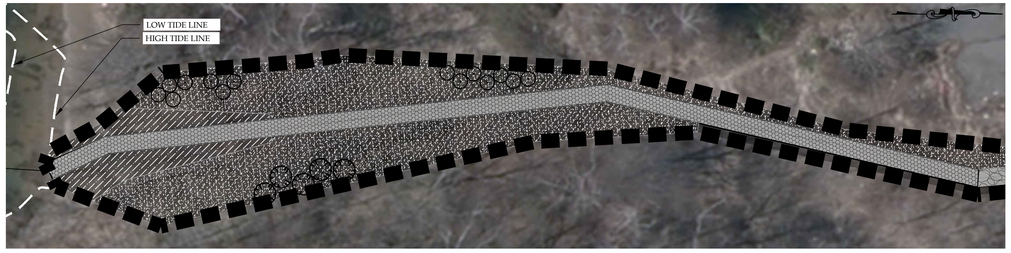


LANDSCAPING PLAN

SCALE: 1" = 20'

PLANTING SCHEDULE

SHRUBS

QTY	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	COMMENTS
5		Myrica pensylvanica	Northern Bayberry	30"–36" ht.	AS SHOWN	Container
14		Prunus maritima	Beach Plum	36"–48" ht.	AS SHOWN	Container

GRASSES

QTY	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	COMMENTS
–		–	Hydroseed Mix	–	–	–
–		Ammophila breviligulata	American Beach Grass	12" min. ht.	12" O.C.	Plug

QUANTITIES SHOWN ON PLAN SHALL GOVERN OVER QUANTITIES IN PLANT SCHEDULE

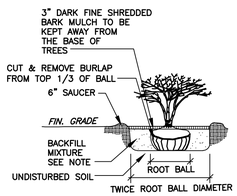
PLANTING NOTES

1. ALL PLANT MATERIAL SUPPLIED AND INSTALLED SHALL BE IN ACCORDANCE WITH CURRENT A.A.N. (AMERICAN ASSOCIATION OF NURSERYMEN), AND ACCEPTED INDUSTRY STANDARDS.
2. NO SUBSTITUTION OF MATERIAL SHALL BE MADE WITHOUT THE APPROVAL OF THE OWNER, AND THE ENGINEER OR LANDSCAPE ARCHITECT.
3. BACKFILL ALL PLANT PITS WITH A BACKFILL MIXTURE OF 50% TOPSOIL TO 50% ORIGINAL SOIL EXCAVATED FROM THE PLANTING HOLE WITH PROPER AMOUNTS OF FERTILIZER.
4. ALL MAJOR, MINOR, AND EVERGREEN TREES SHALL BE PROPERLY STAKED OR ANCHORED ONLY IF ABSOLUTELY NECESSARY. IF STAKING IS NECESSARY GUY WIRES TO BE LEFT LOOSE AND STAKES AND WIRES TO BE REMOVED AT END OF GUARANTEE PERIOD.
5. CULTIVATE AND RAKE OVER FINISHED PLANTING AREA AND LEAVE IN AN ORDERLY CONDITION.
6. FORM A SHALLOW BASIN AROUND EACH PLANT SO AS TO HOLD WATER AND MULCH.
7. ALL TREE AND SHRUB AREAS TO BE MULCHED AS SHOWN ON THE PLANS WITH A MINIMUM OF 3" SHREDDED BARK MULCH.
8. REMOVE FROM ALL PLANT MATERIAL, BROKEN OR BRUISED BRANCHES WITH A CLEAN CUT.
9. AT THE TIME OF PLANTING, THE SOIL AROUND EACH PLANT SHALL BE THOROUGHLY SATURATED WITH WATER AND AS MANY TIMES LATER AS SEASON CONDITIONS REQUIRE FOR THE ENTIRE MAINTENANCE PERIOD.
10. ALL GRASS AREAS TO BE TOPSOILED WITH A MINIMUM OF 4" TOPSOIL AND HYDROSEEDED AS SHOWN ON THE PLANS.
11. CONTRACTOR TO TEST PH LEVEL OF SOIL. IF PH AMENDMENT IS REQUIRED, APPROPRIATE SUPPLEMENTS SHALL BE ADDED TO THE FLEXIBLE GROWTH MEDIUM PER MANUFACTURER'S RECOMMENDATIONS.
12. PRE-EMERGENT WEED CONTROL SHALL BE APPLIED TO ALL AREAS FOR PLANTING INCLUDING TREES, SHRUBS, GROUND COVER AND SEEDED AREAS. IF WEED CONTROL OF GRASS AREAS IS REQUIRED, WEED CONTROL APPLIED MUST PERMIT IMMEDIATE SEEDING OF PERMANENT GRASSES.
13. ALL LANDSCAPING AS SHOWN ON THE APPROVED SITE PLAN SHALL BE MAINTAINED IN A VIGOROUS GROWING CONDITION THROUGHOUT THE LIFE OF THE PROJECT. ANY PLANTS NOT SO MAINTAINED SHALL BE REPLACED WITH HEALTHY NEW PLANTS OF COMPARABLE SIZE, TYPE AND QUALITY AT THE BEGINNING OF THE NEXT IMMEDIATELY FOLLOWING GROWING SEASON.
14. TOPSOIL FOR PLANTING AND SEED AREAS TO BE IMPORTED AS REQUIRED. AT NO ADDITIONAL COST TO THE OWNER.
15. PLANT SAVER, MANUFACTURED BY PLANT HEALTH CARE, INC. TO BE ADDED AT TIME OF PLANTING AND ACCORDING TO MANUFACTURERS SPECIFICATIONS IN ALL PLANTED AREAS EXCEPT TREE PLANTINGS. TREE PLANTINGS TO INCLUDE TREE SAVER, MANUFACTURED BY PLANT HEALTH CARE, INC. TO BE ADDED AT TIME OF PLANTING AND ACCORDING TO MANUFACTURERS SPECIFICATIONS.

HYRDROSEEDING NOTES

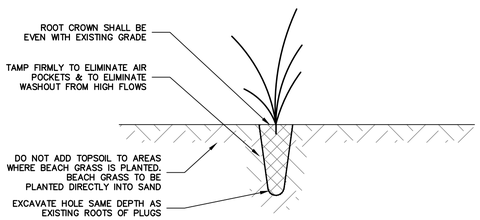
1. MANUFACTURER: PROFILE PRODUCTS LLC, (OR APPROVED EQUAL), 750 LAKE COOK ROAD – SUITE 440 (1–800–366–1180)
2. FLEXIBLE GROWTH MEDIUM: FLEXTERRA HP–FGM (RATE = 3,500 LBS/ACRE)
3. SEED MIXTURE:
   35% TARHEEL II TALL FESCUE
   25% LIGHTHOUSE SLENDER CREEPING RED FESCUE
   20% INFERNO TALL FESCUE
   10% MOONLIGHT SLT KENTUCKY BLUEGRASS
   10% FULTS ALKALIGRASS

   SEEDING RATE 10 LBS PER 1,000 SQ FT
4. SUPPLEMENTS:
   BIOPLEX ORGANIC FERTILIZER 5–3–1 (RATE 50 LBS / 5,000 SQ. FT.)
   AQUA GEL ADDED TO HYDROSEEDING (RATE 10 LBS/ACRE)



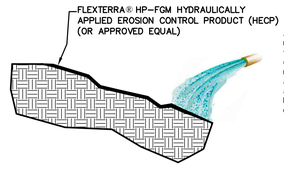
SHRUB PLANTING DETAIL

SCALE: NTS



PLUG PLANTING DETAIL

SCALE : N.T.S.



A hydraulically-applied, 100% biodegradable, High Performance-Flexible Growth Medium (HP-FGM) that is manufactured in the United States and is composed of 100% recycled thermally refined (within a pressure vessel) wood fibers, crimped interlocking man-made biodegradable fibers, micro-pore granules, naturally derived crosslinked biopolymers and water absorbents. The HP-FGM is phytosanitized, free from plastic netting, requires no curing period and upon application forms an intimate bond with the soil surface to create a continuous, porous, absorbent and flexible erosion resistant blanket that allows for rapid germination and accelerated plant growth . All components of the FGM shall be pre-packaged by the Manufacturer to assure both material performance and compliance with the following values. No chemical additives with the exception of fertilizer, liming and biostimulant materials should be added to this product.

1. Thermally Processed (within a pressure vessel) Wood Fiber - 80% ± 3%
   - Heated to a temperature greater than 380 degrees Fahrenheit (193 degrees Celsius) for 5 minutes at a pressure greater than 50 psi (345 kPa)

   Crosslinked Biopolymers and Water Absorbents - 10% ± 1%
   Crimped, Man-made Biodegradable Interlocking Fibers - 5% ± 1%
   Micro-Pore Granules - 5 % ± 1%

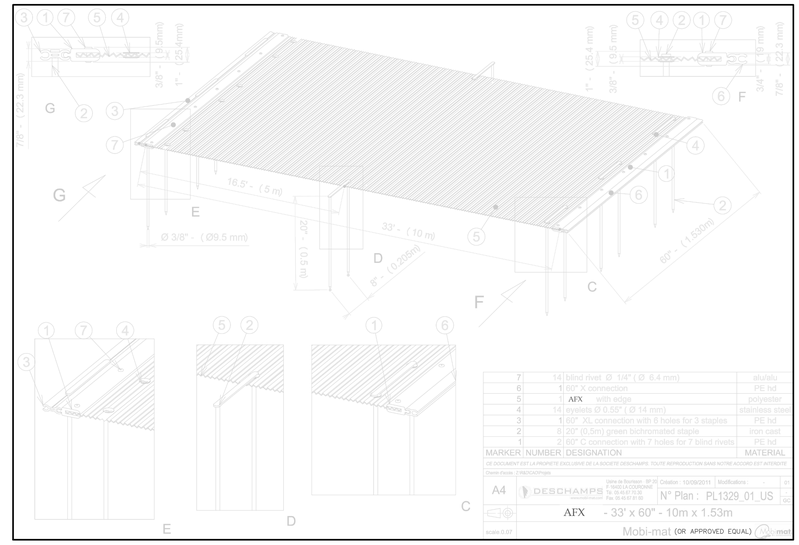
INSTALLATION

Strictly comply with equipment manufacturer's installation instructions and recommendations. Use approved hydro-spraying machines with fan-type nozzle (50-degree tip). To achieve optimum soil surface coverage, apply HP-FGM from opposing directions to soil surface. Rough surfaces (rocky terrain, cat tracks and ripped soils) may require higher application rates to achieve 100% cover. Slope interruption devices or water diversion techniques are recommended when slope lengths exceed 100 feet (30 m). Maximum slope length is for product applications on a 3H:1V slope. For application on steeper slopes, slope interruption lengths may need to be decreased based on actual site conditions. To ensure proper application rates, measure and stake area. For maximum performance, apply HP-FGM in a two-step process as follows:

1. *Step One: Apply fertilizer with specified prescriptive agronomic formulations and 50% of seed with a small amount of HP-FGM for visual metering.*
2. *Step Two: Mix balance of seed and apply HP-FGM at a rate of 50 lb per 125 gallons (23 kg/475 liters) of water over freshly seeded surfaces. Confirm loading rates with equipment manufacturer. Do not leave seeded surfaces unprotected, especially if precipitation is imminent.*

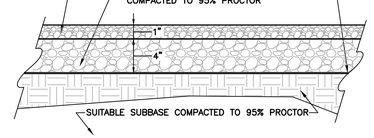
FLEXIBLE GROWTH MEDIUM DETAIL

SCALE : N.T.S.



MAT WALKWAY DETAIL

NOTES:
1) CONTRACTOR TO SUBMIT SAMPLES FOR APPROVAL BY OWNERS REPRESENTATIVE FOR APPROVAL.
2) CONTRACTOR TO USE WALK BEHIND VIBRATORY EQUIPMENT TO TAMP THE CRUSHED BLUESTONE GRAVEL.



CRUSHED BLUESTONE GRAVEL DETAIL

SCALE: NTS

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FOR MUNICIPAL REVIEW
NOT FOR CONSTRUCTION

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
HORIZ. 1 inch = 20 ft.

NO.	DATE	REVISION DESCRIPTION	INT.

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PROJECT NAME: SOUTH SHORE BLUEWAY TRAIL

PROJECT LOCATION: NEWBRIDGE ROAD
BELLMORE, NEW YORK 11710

TITLE: NEWBRIDGE ROAD PARK (3)

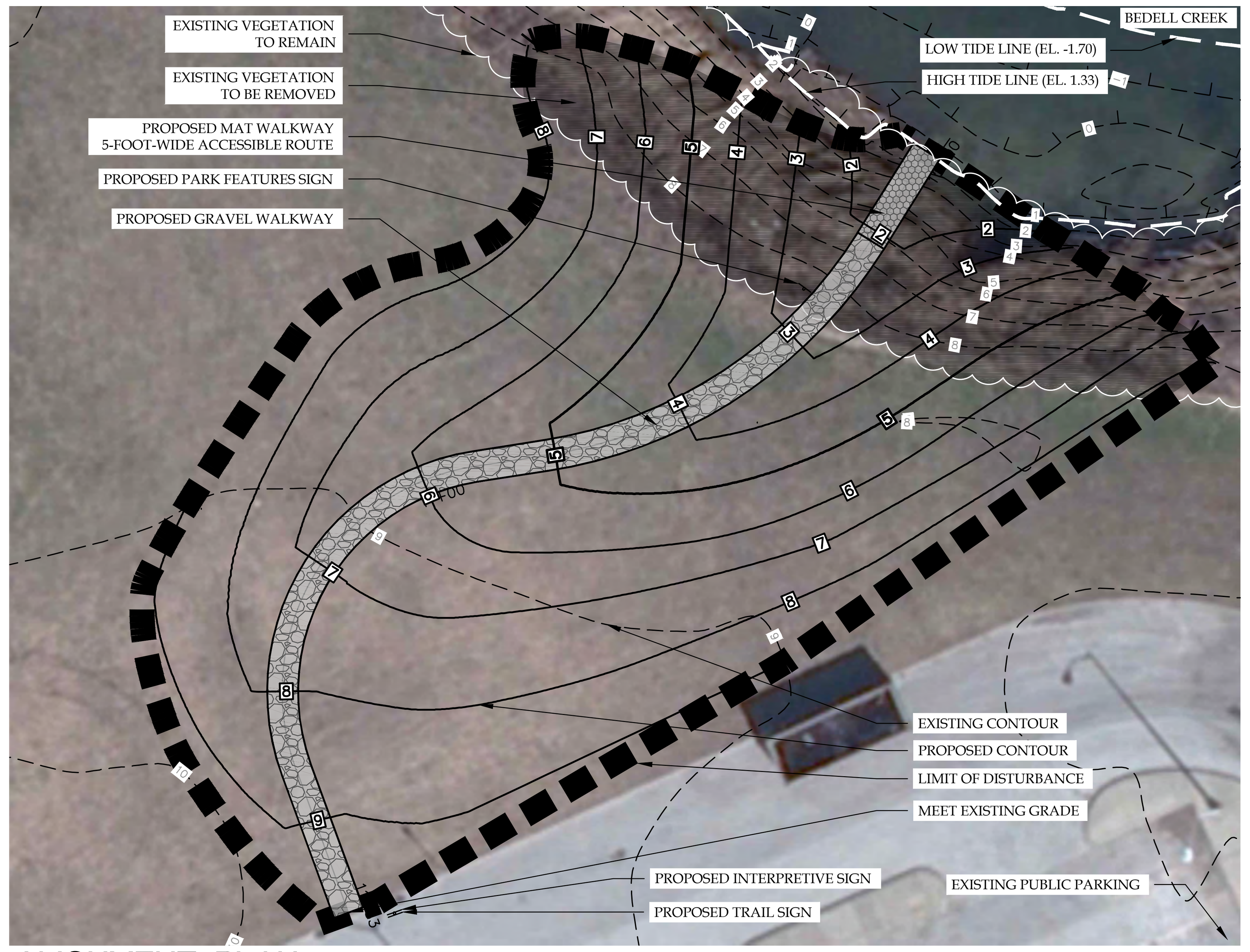
DISCIPLINE: CIVIL

PROJECT ENGINEER:	MAD/DB
DESIGNED BY:	MAD/FD
DRAWN BY:	FD
CHECKED BY:	MAD
PROJECT NO.	CE2174E
JOB NO.	CE2174E
DATE:	01/31/14
SCALE:	AS SHOWN

DRAWING NO. 3

DRAWING 3 of 3

PLOT SCALE=1\CE2174E\DWGFILES\Newbridge Park.dwg, Date: January 28, 2014, Pentop PDF, Printed by Michael De Giglio



ALIGNMENT PLAN

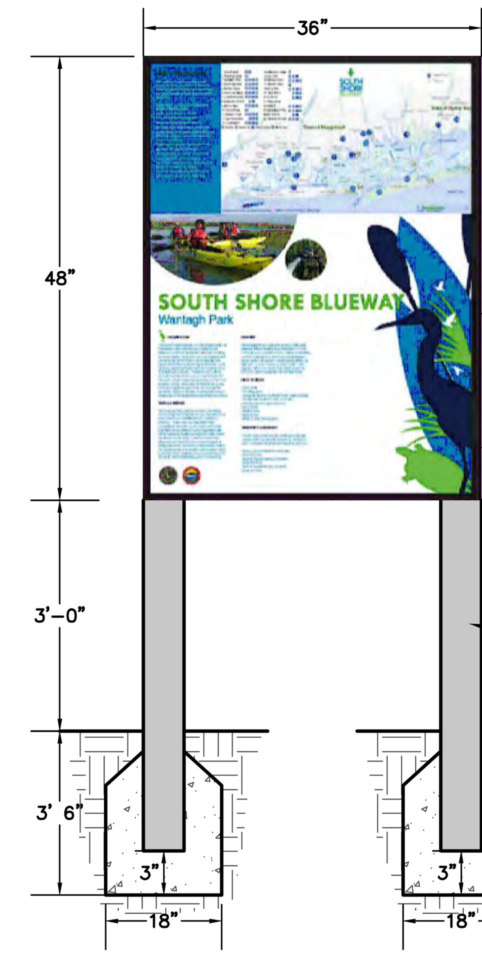
SCALE : 1" = 20'

KEY MAP

SCALE: 1"=1000'-0"

MAT WALKWAY NOTES

1. MATERIAL: MOBIMAT, AFX GRADE (OR APPROVED EQUAL).
   COLOR: BROWN.
   MANUFACTURER: DESCHAMPS MAT SYSTEMS,
   218 LITTLE FALLS ROAD, UNIT 7,
   CEDAR GROVE, NJ 07009.
2. ANY SUBSTITUTIONS SHALL MEET OR EXCEED THAT OF PROPOSED. REQUEST FOR SUBSTITUTION SHALL BE MADE MINIMUM TEN DAYS PRIOR TO BID DUE DATE.
3. CONTRACTOR TO INSTALL MOBIMAT PER MANUFACTURER SPECIFICATIONS.
4. CONTRACTOR TO FACILITATE SITE MEETING WITH MANUFACTURER PRIOR TO INSTALLATION.
5. CONTRACTOR TO SUBMIT SAMPLES TO THE OWNER FOR APPROVAL.



INTERPRETIVE SIGN DETAIL

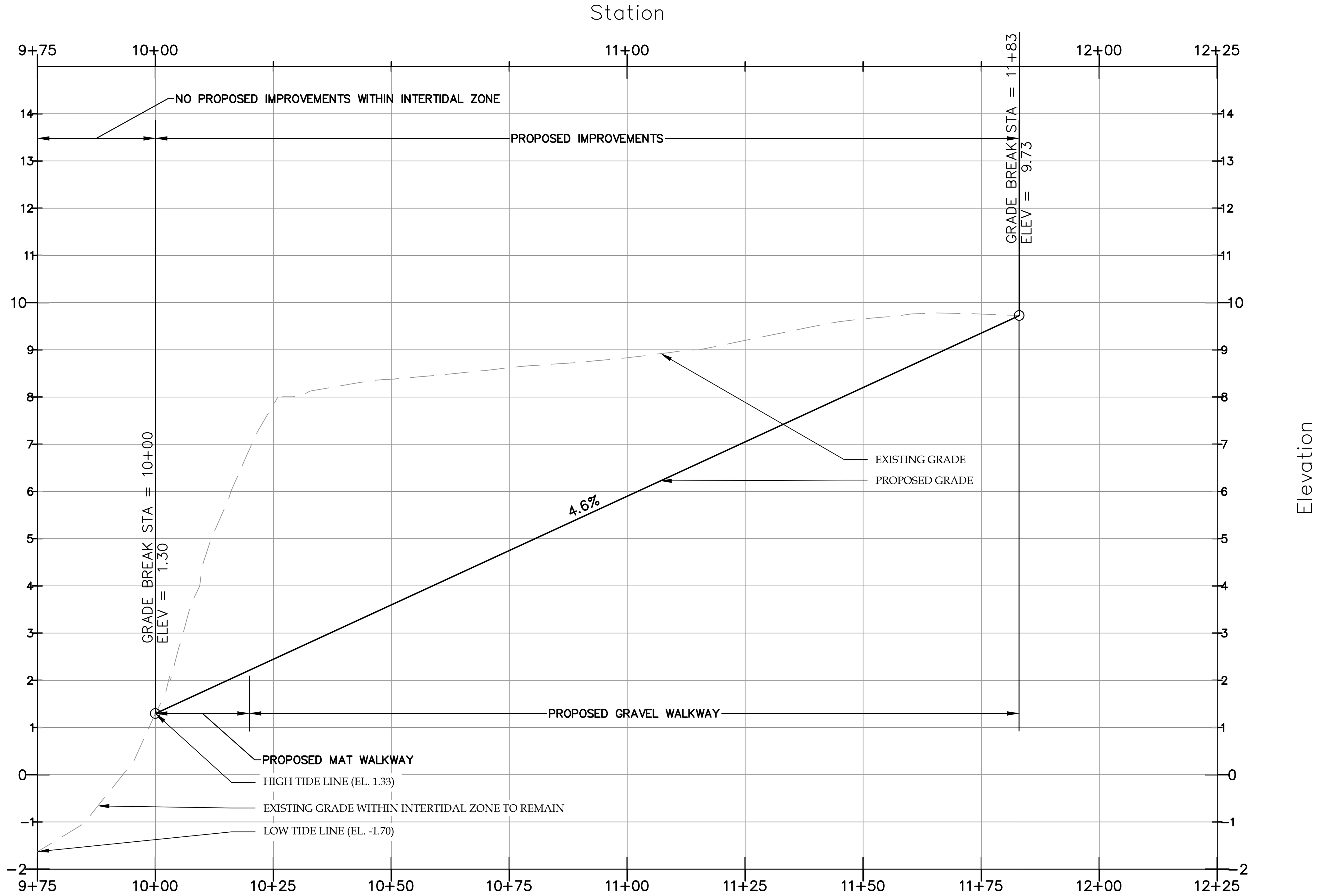
SCALE: NOT TO SCALE

LEGEND

- PROPOSED MAT WALKWAY
- EXISTING CONTOURS
- PROPOSED CONTOURS
- LIMIT OF DISTURBANCE
- PROPOSED SIGN
- EXISTING VEGETATION TO REMAIN
- EXISTING VEGETATION TO BE REMOVED
- PROPOSED GRAVEL WALKWAY

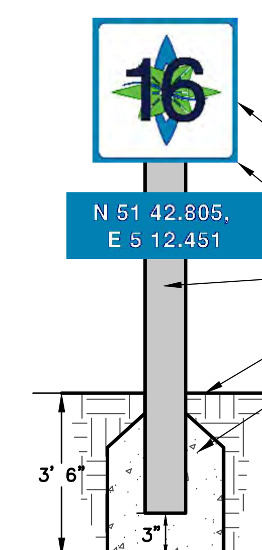
GENERAL NOTES

1. ALL WORK SHALL COMPLY WITH APPLICABLE FEDERAL, STATE AND LOCAL CODES, REGULATORY AGENCIES. THE CONTRACTOR SHALL NOTIFY/COORDINATE WITH THE OWNER FOR SITE IMPROVEMENTS INSTALLATION AND CONFORMANCE TO STANDARDS AND SPECIFICATIONS FOR ALL WORK.
2. ALL WORK, WHETHER SHOWN OR INFERRED, UNLESS SPECIFICALLY QUESTIONED, SHALL BE CONSIDERED FULLY UNDERSTOOD IN ALL RESPECTS BY THE CONTRACTOR, AND THE CONTRACTOR SHALL THEREBY BE RESPONSIBLE FOR ANY INTERPRETATIONS OR CONSEQUENCES THEREOF FOR ALL WORK ON ALL DRAWINGS.
3. THE OWNER'S REPRESENTATIVE SHALL BE NOTIFIED OF ANY DISCREPANCIES OR OMISSIONS WHICH COULD INTERFERE WITH THE SATISFACTORY COMPLETION OF THE WORK, PRIOR TO THE START OF ANY AND ALL WORK.
4. INSTALL WORK SO AS TO BE READILY ACCESSIBLE FOR OPERATING, MAINTENANCE AND REPAIR. MINOR DEVIATIONS FROM DRAWINGS, WITH NO MATERIAL COMPROMISE IN QUALITY, MAY BE MADE TO ACCOMPLISH THIS, BUT CHANGES OF MAGNITUDE AND/OR CHANGES WHICH RESULT IN EXTRA COST SHALL NOT BE MADE WITHOUT EXPRESSED APPROVAL.
5. THE CONTRACTOR SHALL IN ALL RESPECTS COMPLY WITH ALL REGULATIONS OF THE OWNER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN SUCH REGULATIONS FROM THE OWNER. IN THE EVENT OF CONFLICT BETWEEN REGULATIONS AND OTHER CONTRACT DOCUMENTS, THE OWNER'S REPRESENTATIVE AND OWNER SHALL BE CONSULTED PRIOR TO THE START OF ANY AND ALL WORK.
6. THE OWNER RESERVES THE RIGHT TO LET OTHER CONTRACTS IN CONNECTION WITH THE WORK OF THIS PROJECT. THE CONTRACTOR SHALL COOPERATE WITH OTHER CONTRACTORS AS REQUIRED TO CONFORM TO THE GENERAL CONSTRUCTION SCHEDULE AND SHALL AFFORD OTHER CONTRACTORS REASONABLE OPPORTUNITY FOR THE INTRODUCTION AND STORAGE OF THEIR MATERIALS AND EQUIPMENT AND THE EXECUTION OF THEIR WORK.
7. THE CONTRACTOR AND EACH SUBCONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING ALL DRAWINGS AND SPECIFICATIONS, AND NOTING ALL APPLICABLE WORK AS SHOWN OR INFERRED. ALL WORK AS SHOWN OR INFERRED SHALL BE INCLUDED IN THE COSTS.
8. THE CONTRACTOR SHALL FIRST COORDINATE AND THEN SUBMIT ALL SUBCONTRACTORS' SHOP DRAWINGS TO THE OWNER'S REPRESENTATIVE FOR REVIEW PRIOR TO WORK BEING PERFORMED.
9. ALL WORK SHALL CONFORM TO THE DRAWINGS AND SPECIFICATIONS AND SHALL BE OF NEW AND BEST QUALITY. NO MATERIAL SUBSTITUTIONS SHALL BE MADE, EXCEPT BY WRITTEN APPROVAL OF THE OWNER'S REPRESENTATIVE IN RESPONSE TO THE CONTRACTOR'S WRITTEN REQUEST.
10. ALL MANUFACTURED ARTICLES, MATERIALS AND EQUIPMENT SHALL BE SUPPLIED, INSTALLED, CONNECTED, ERECTED, USED, CLEANED AND CONDITIONED AS DIRECTED BY THE MANUFACTURERS, UNLESS OTHERWISE SPECIFIED ON THE DRAWINGS.
11. THE CONTRACTOR SHALL REPAIR AND RESTORE TO ORIGINAL CONDITION ANY EXISTING EQUIPMENT OR MATERIALS DAMAGED IN THE PROCESS OF INSTALLATION, AND DEMOLITION TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE AND AT NO ADDITIONAL COST TO THE OWNER.
12. THE CONTRACTOR SHALL MAKE REPAIRS USING THE SAME MATERIALS, AT THE CONTRACTOR'S COST.
13. THE CONTRACTOR SHALL INCUR ALL COSTS AND BURDENS ASSOCIATED WITH LOST, STOLEN OR DAMAGED EQUIPMENT AND MATERIALS.
14. TOPOGRAPHIC / MAP DATA PROVIDED BY FROM LIDAR DATA COMBINED WITH ENGINEER'S FIELD OBSERVATIONS.
15. CONTRACTOR IS RESPONSIBLE TO FACILITATE ON–SITE MARK–OUT OF EXISTING UTILITIES PRIOR TO CONSTRUCTION. WHENEVER EXISTING IMPROVEMENT INFORMATION IS EITHER INDICATED ON THE DRAWINGS OR SUPPLIED TO THE CONTRACTOR AT A LATER DATE, IT IS UNDERSTOOD THAT SUCH INFORMATION IS FURNISHED IN GOOD FAITH FOR THE CONTRACTOR'S CONVENIENCE. THE CONTRACTOR MUST INTERPRET THIS INFORMATION ACCORDING TO HIS OWN JUDGMENT, AND MUST MAKE HIS OWN DETERMINATIONS REGARDING THE LOCATION OF ALL IMPROVEMENTS. NO CLAIM WILL BE ALLOWED BECAUSE OF INCORRECT, INCOMPLETE OR OMITTED EXISTING IMPROVEMENTS INFORMATION.
16. ALL WORK, MATERIALS, SPECIFICATIONS, REGULATIONS, RULES, PERMITS, ETC., OF ALL STATE, COUNTY AND LOCAL GOVERNMENTS AND ALL UTILITY AGENCIES SHALL BE FOLLOWED BY THE CONTRACTOR.
17. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE STATE OF NEW YORK DEPARTMENT OF LABOR, BOARD OF STANDARDS AND APPEALS INDUSTRIAL CODE RULE 53 – "CONSTRUCTION, EXCAVATION UNDERGROUND FACILITIES" EFFECTIVE APRIL 1, 1975. AND, DEMOLITION OPERATIONS AT OR NEAR THE CONTRACT WILL BE REQUIRED TO COMPLY WITH ALL APPLICABLE REQUIREMENTS OF INDUSTRIAL CODE 53.
18. UTILITY FORCES, CONTRACTORS, OR OTHER PARTIES MAY BE EXPECTED TO BE WORKING WITHIN THE CONTRACT AREA DURING THE CONTRACT. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE HIS WORK UNDER THIS CONTRACT WITH THE WORK BEING DONE BY OTHERS IN ORDER THAT THE CONSTRUCTION MAY PROCEED IN AN EFFICIENT AND LOGICAL MANNER.
19. THE CONTRACTOR SHALL RESTORE ALL DISTURBED EXISTING FEATURES TO A CONDITION EQUAL TO OR BETTER THAN CURRENTLY EXISTED.
20. THE CONTRACTOR SHALL COMPLY WITH THE LATEST OSHA CONFINED SPACE ENTRY REQUIREMENTS (29 CFR PART 1910)
21. EACH CONTRACTOR IS CAUTIONED TO AVOID DISTURBING ANY FENCES, SHRUBS, TREES, ETC., THAT ARE ADJACENT TO HIS CONSTRUCTION WITHOUT WRITTEN PERMISSION FROM THE ENGINEER. AS ORDERED BY THE ENGINEER, THE COST OF REPAIRING OR ADJUSTING ANY SUCH DISTURBED AREAS WILL BE AT THE CONTRACTOR'S OWN EXPENSE. IN THE EVENT THAT TREES ARE ENDANGERED, THE CONTRACTOR WILL TAKE ALL PRECAUTIONS TO PROTECT THEM, AS DIRECTED BY THE ENGINEER. PAYMENT FOR ANY NECESSARY WORK SHALL BE INCLUDED IN THE VARIOUS CONTRACT ITEMS.
22. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO COORDINATE THE ACTIVITIES OF ANY SUBCONTRACTOR, CONTRACTOR, OWNER CONTRACTED TRADESMAN, MUNICIPAL EMPLOYEES, UTILITIES, ETC., INVOLVED IN THE OVERALL SCOPE OF THE PROJECT, INCLUDING UNAWARDED ALTERNATE WORK, AS PREVIOUSLY DESCRIBED, AT NO COST TO THE OWNER. THE GENERAL CONTRACTOR WILL PREPARE A PROJECT SCHEDULE INCLUDING THE WORK OF ALL OTHER CONTRACTORS.
23. BECAUSE THE PROPOSED IMPROVEMENTS ARE TO ENHANCE THE ASPECTS OF THE SITES, THE CONTRACTOR IS NOTIFIED THAT THE GENERAL PUBLIC, SOME OF WHOM MAY BE POTENTIAL VANDALS, WILL BE IN THE AREA AT ANY HOUR. EACH CONTRACTOR SHALL PROTECT, AT ALL TIMES, THE PUBLIC AND HIS WORK FROM HARM. EACH CONTRACTOR SHALL BEAR ALL RESPONSIBILITY FOR HARM TO THE PUBLIC AND DAMAGE TO HIS EQUIPMENT, TOOLS AND MATERIALS.



CENTERLINE PROFILE

VERTICAL SCALE : 1" = 2'
HORIZONTAL SCALE : 1" = 20'



TRAIL SIGN DETAIL

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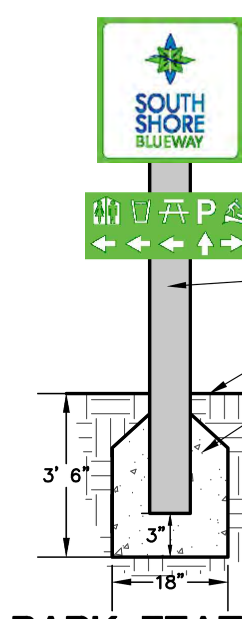

PARK FEATURES SIGN DETAIL

SCALE: NOT TO SCALE

GRADING & DRAINAGE NOTES

1. ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF ALL LOCAL, COUNTY AND STATE LAWS AND APPLICABLE CODES.
2. SITE ALIGNMENT AND GRADING IS BASED ON AVAILABLE LIDAR TOPOGRAPHY AND SUPPLEMENTED WITH GPS DATA. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS. ANY DIFFERENCES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER. .
3. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO COMMENCING THE WORK. CARE SHALL BE TAKEN NOT TO DISTURB POTENTIAL EXISTING UTILITIES, SERVICE CONNECTIONS (OR PORTIONS THEREOF) TO REMAIN. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH THE RESPECTIVE UTILITY COMPANY AND MARK ALL LOCATIONS OF UNDERGROUND UTILITIES IN THE FIELD PRIOR TO COMMENCEMENT OF WORK. CONTRACTOR IS RESPONSIBLE FOR ANY REPAIR OR REPLACEMENT OF ANY SYSTEM DAMAGED DURING THE CONSTRUCTION.
4. DEBRIS SHALL NOT BE BURIED ON THE SUBJECT SITE. ALL UNSUITABLE MATERIAL AND DEBRIS SHALL BE DISPOSED OF IN ACCORDANCE WITH LOCAL, COUNTY, STATE AND FEDERAL LAWS AND APPLICABLE CODES.
5. ALL EXISTING STRUCTURES TO BE REMOVED (FOUNDATIONS, ETC.) SHALL BE REPLACED WITH CLEAN COMPACTED GRANULAR FILL, COMPACTED TO 95% STANDARD PROCTOR DENSITY IN 6 INCH LIFTS.
6. MASS GRADING FILL AREAS SHALL BE FIRST STRIPPED OF TOPSOIL AND MASS GRADING FILL SHALL BE GENERATED IN 6 INCH LIFTS, COMPACTED TO 95% STANDARD PROCTOR DENSITY.
7. CREATE SMOOTH TRANSITIONS FROM PROPOSED GRADED AREAS TO EXISTING TERRAIN.
8. ALL PAVEMENT TO BE REMOVED SHALL BE PROPERLY DISPOSED OF OFF SITE. NO SCARIFIED PAVEMENT OR OTHER DEBRIS SHALL BE USED OR INCLUDED IN BACKFILL MATERIALS.
9. THE CONTRACTOR SHALL USE THE APPROPRIATE MEANS TO PREVENT SEDIMENT AND DEBRIS FROM WASHING TO ADJACENT AREAS, FURTHER SPECIFIED IN EROSION CONTROL NOTES AND DETAILS.
10. ALL DISTURBED AREAS TO BE FINE GRADED, TOPSOIL ADDED, AND LANDSCAPED
11. GRADING SHALL MEET MINIMUM ADA REQUIREMENTS; 5% MAXIMUM SLOPE IN THE DIRECTION OF TRAVEL AND 2% MAXIMUM CROSS–SLOPE.

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FOR MUNICIPAL REVIEW
NOT FOR CONSTRUCTION

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
HORIZ. 1 inch = 20 ft.

NO.	DATE	REVISION DESCRIPTION	INT.

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PROJECT NAME:
SOUTH SHORE BLUEWAY TRAIL

PROJECT LOCATION:
3800 MAHLON BROWER DRIVE
OCEANSIDE, NEW YORK 11572

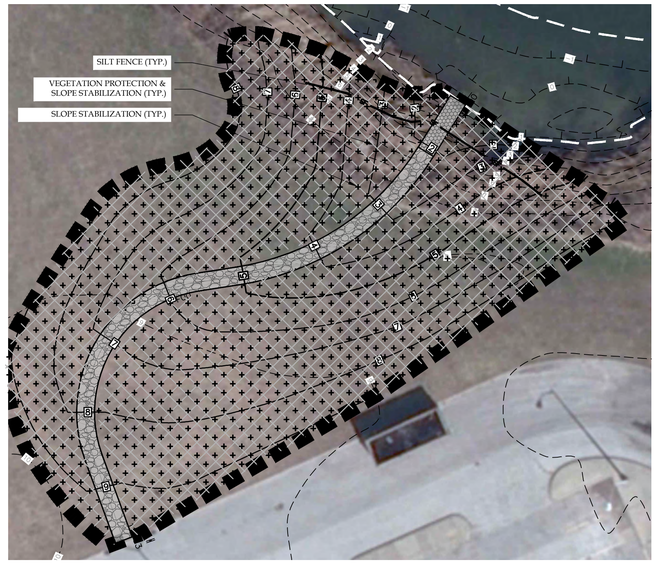
TITLE:
OCEANSIDE PARK

DISCIPLINE:
CIVIL

PROJECT ENGINEER: MAD/DB	PROJECT NO. CE2174E
DESIGNED BY: MAD/FD	JOB NO. CE2174E
DRAWN BY: FD	DATE: 01/31/14
CHECKED BY: MAD	SCALE: AS SHOWN

DRAWING NO. 1
DRAWING 1 of 3

PLOT SCALED: \CE2174E\FIGURES\3 OCEANSIDE PARK (3).dwg, Date: January 28, 2014, Psetup: PDF, Plotted by: Michael De Giglio

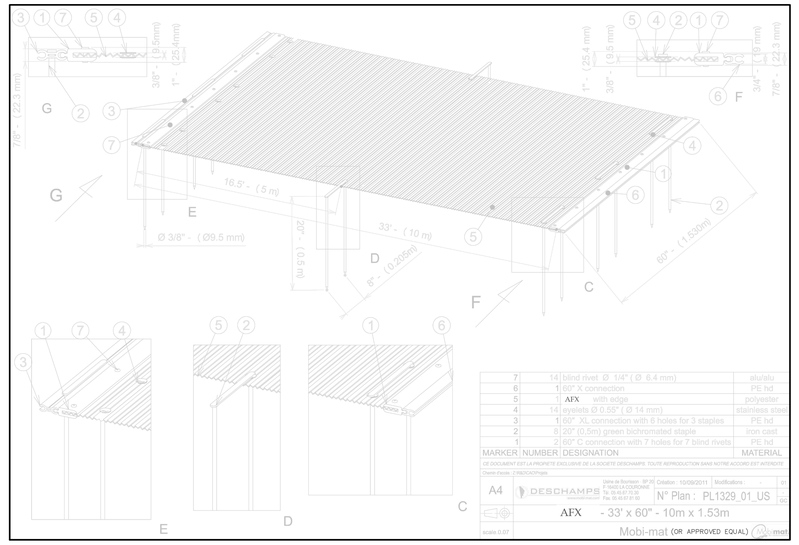


EROSION CONTROL AND WATERFOWL PROTECTION PLAN

SCALE : 1" = 20'

LEGEND

- SF — SILT FENCE
- SLOPE STABILIZATION FABRIC
- WATERFOWL PROTECTION



MARKER	NUMBER	DESIGNATION	MATERIAL
7	14	blind rivet Ø 1/4" (Ø 6.4 mm)	aluminium
6	1	60" X connection	PE hd
5		AFX width edge	polyester
4	14	eyelets Ø 0.55" (Ø 14 mm)	stainless steel
3	1	60" XL connection with 6 holes for 3 staples	PE hd
2	6	20" (0.5m) green bichromated staple	iron cast
1	2	60" C connection with 7 holes for 7 blind rivets	PE hd

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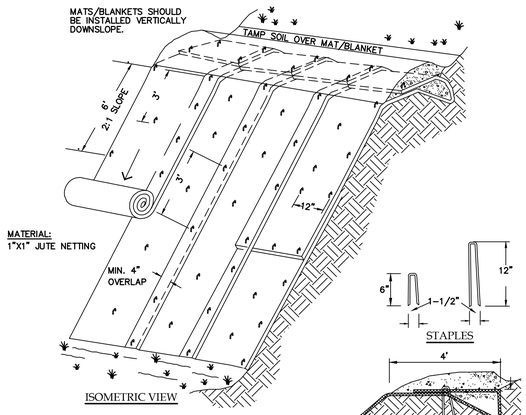
A4 | DESCHAMPS | N° Plan : PL1329_01_US | AFX - 33' x 60" - 10m x 1.53m | Mobi-mat (OR APPROVED EQUAL)

MAT WALKWAY DETAIL



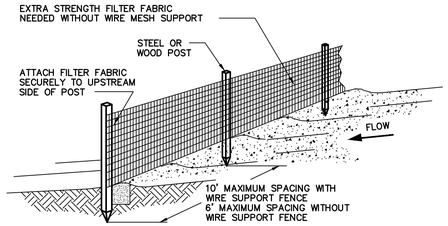
TYPICAL SLOPE SOIL STABILIZATION

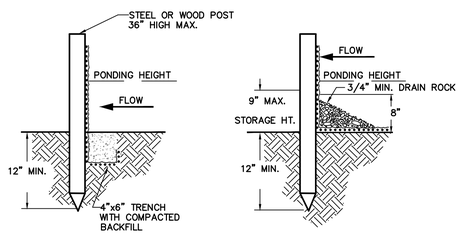
NOTES:

1. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS AND GRASS. MATS/BLANKETS SHALL HAVE GOOD SOIL CONTACT.
2. APPLY PERMANENT HYDOSEEDING AFTER PLACING BLANKETS.
3. LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.

SLOPE STABILIZATION

SCALE: NTS



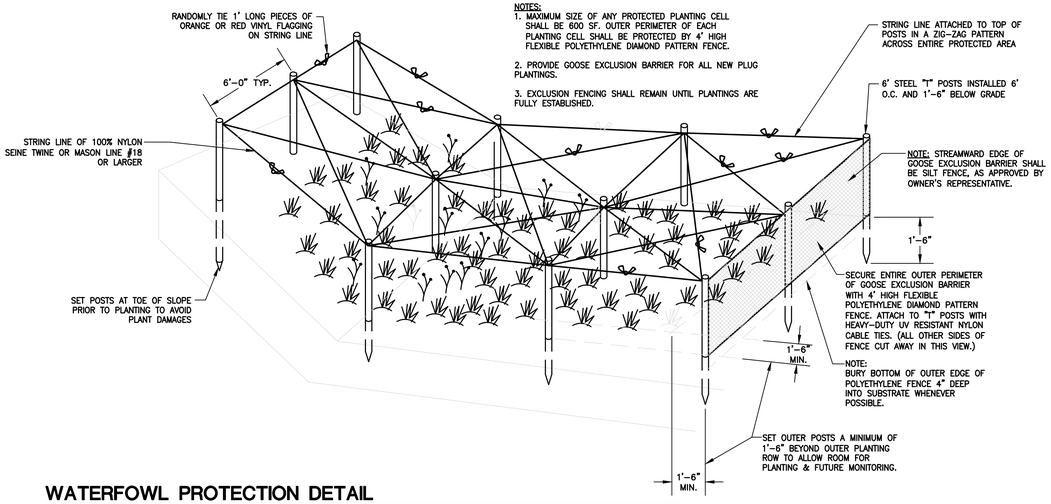


NOTES:

1. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.
2. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY. 9" MAXIMUM RECOMMENDED STORAGE HEIGHT.
3. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.

SILT FENCE DETAIL

SCALE: NTS



NOTES:

1. MAXIMUM SIZE OF ANY PROTECTED PLANTING CELL SHALL BE 600 SF. OUTER PERIMETER OF EACH PLANTING CELL SHALL BE PROTECTED BY 4' HIGH FLEXIBLE POLYETHYLENE DIAMOND PATTERN FENCE.
2. PROVIDE GOOSE EXCLUSION BARRIER FOR ALL NEW PLUG PLANTINGS.
3. EXCLUSION FENCING SHALL REMAIN UNTIL PLANTINGS ARE FULLY ESTABLISHED.

WATERFOWL PROTECTION DETAIL

SCALE : N.T.S.

FOR MUNICIPAL REVIEW
NOT FOR CONSTRUCTION

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)

HORIZ. 1 inch = 20 ft.

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NO.	DATE	REVISION DESCRIPTION	INT.

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PROJECT NAME: SOUTH SHORE BLUEWAY TRAIL

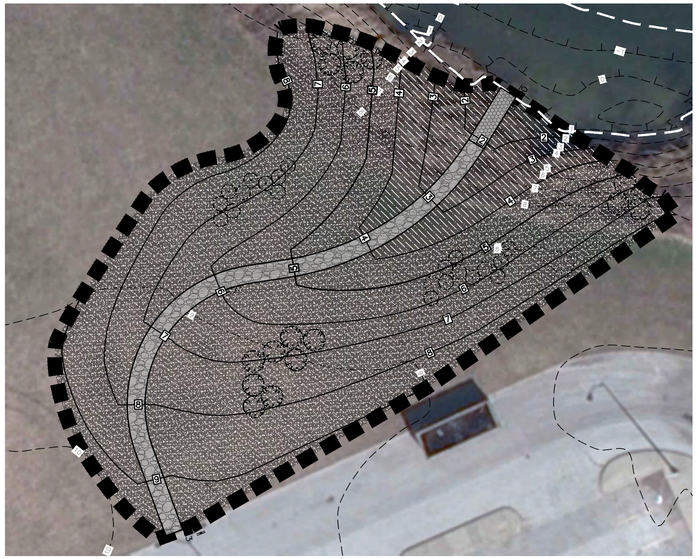
PROJECT LOCATION: 3800 MAHLON BROWER DRIVE OCEANSIDE, NEW YORK 11572

TITLE: OCEANSIDE PARK (2)

DISCIPLINE: CIVIL

PROJECT ENGINEER:	PROJECT NO.	DRAWING NO.
MAD/DB	CE2174E	2
DESIGNED BY: MAD/FD	JOB NO. CE2174E	DRAWING 2 of 3
DRAWN BY: FD	DATE: 01/31/14	
CHECKED BY: MAD	SCALE: AS SHOWN	

PLOT SCALE: \\CEPW1\E_DRIVE\3_OCEANSIDE PARK (3).dwg, Date: January 28, 2014, Person: PDF, Plotted by: Michael De Filippis



LANDSCAPE PLAN

SCALE : 1" = 20'

PLANTING SCHEDULE

SHRUBS

QTY	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	COMMENTS
16		Myrica pensylvanica	Northern Bayberry	30"–36" ht.	AS SHOWN	Container
21		Prunus maritima	Beach Plum	36"–48" ht.	AS SHOWN	Container

GRASSES

QTY	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	COMMENTS
–		–	Hydroseed Mix	–	–	–
–		Ammophila breviligulata	American Beach Grass	12" min. ht.	12" O.C.	Plug

QUANTITIES SHOWN ON PLAN SHALL GOVERN OVER QUANTITIES IN PLANT SCHEDULE

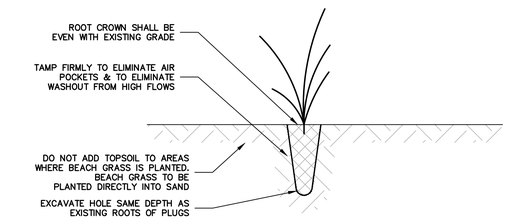
PLANTING NOTES

1. ALL PLANT MATERIAL SUPPLIED AND INSTALLED SHALL BE IN ACCORDANCE WITH CURRENT A.A.N. (AMERICAN ASSOCIATION OF NURSERYMEN), AND ACCEPTED INDUSTRY STANDARDS.
2. NO SUBSTITUTION OF MATERIAL SHALL BE MADE WITHOUT THE APPROVAL OF THE OWNER, AND THE ENGINEER OR LANDSCAPE ARCHITECT.
3. BACKFILL ALL PLANT PITS WITH A BACKFILL MIXTURE OF 50% TOPSOIL TO 50% ORIGINAL SOIL EXCAVATED FROM THE PLANTING HOLE WITH PROPER AMOUNTS OF FERTILIZER.
4. ALL MAJOR, MINOR, AND EVERGREEN TREES SHALL BE PROPERLY STAKED OR ANCHORED ONLY IF ABSOLUTELY NECESSARY. IF STAKING IS NECESSARY GUY WIRES TO BE LEFT LOOSE AND STAKES AND WIRES TO BE REMOVED AT END OF GUARANTEE PERIOD.
5. CULTIVATE AND RAKE OVER FINISHED PLANTING AREA AND LEAVE IN AN ORDERLY CONDITION.
6. FORM A SHALLOW BASIN AROUND EACH PLANT SO AS TO HOLD WATER AND MULCH.
7. ALL TREE AND SHRUB AREAS TO BE MULCHED AS SHOWN ON THE PLANS WITH A MINIMUM OF 3" SHREDDED BARK MULCH.
8. REMOVE FROM ALL PLANT MATERIAL, BROKEN OR BRUISED BRANCHES WITH A CLEAN CUT.
9. AT THE TIME OF PLANTING, THE SOIL AROUND EACH PLANT SHALL BE THOROUGHLY SATURATED WITH WATER AND AS MANY TIMES LATER AS SEASON CONDITIONS REQUIRE FOR THE ENTIRE MAINTENANCE PERIOD.
10. ALL GRASS AREAS TO BE TOPSOILED WITH A MINIMUM OF 4" TOPSOIL AND HYDROSEEDED AS SHOWN ON THE PLANS.
11. CONTRACTOR TO TEST PH LEVEL OF SOIL. IF PH AMENDMENT IS REQUIRED, APPROPRIATE SUPPLEMENTS SHALL BE ADDED TO THE FLEXIBLE GROWTH MEDIUM PER MANUFACTURER'S RECOMMENDATIONS.
12. PRE–EMERGENT WEED CONTROL SHALL BE APPLIED TO ALL AREAS FOR PLANTING INCLUDING TREES, SHRUBS, GROUND COVER AND SEEDED AREAS. IF WEED CONTROL OF GRASS AREAS IS REQUIRED, WEED CONTROL APPLIED MUST PERMIT IMMEDIATE SEEDING OF PERMANENT GRASSES.
13. ALL LANDSCAPING AS SHOWN ON THE APPROVED SITE PLAN SHALL BE MAINTAINED IN A VIGOROUS GROWING CONDITION THROUGHOUT THE LIFE OF THE PROJECT. ANY PLANTS NOT SO MAINTAINED SHALL BE REPLACED WITH HEALTHY NEW PLANTS OF COMPARABLE SIZE, TYPE AND QUALITY AT THE BEGINNING OF THE NEXT IMMEDIATELY FOLLOWING GROWING SEASON.
14. TOPSOIL FOR PLANTING AND SEED AREAS TO BE IMPORTED AS REQUIRED. AT NO ADDITIONAL COST TO THE OWNER.
15. PLANT SAVER, MANUFACTURED BY PLANT HEALTH CARE, INC. TO BE ADDED AT TIME OF PLANTING AND ACCORDING TO MANUFACTURERS SPECIFICATIONS IN ALL PLANTED AREAS EXCEPT TREE PLANTINGS. TREE PLANTINGS TO INCLUDE TREE SAVER, MANUFACTURED BY PLANT HEALTH CARE, INC. TO BE ADDED AT TIME OF PLANTING AND ACCORDING TO MANUFACTURERS SPECIFICATIONS.

HYRDROSEEDING NOTES

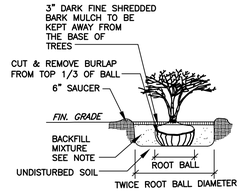
1. MANUFACTURER: PROFILE PRODUCTS LLC, (OR APPROVED EQUAL), 750 LAKE COOK ROAD – SUITE 440 (1–800–366–1180)
2. FLEXIBLE GROWTH MEDIUM: FLEXTERRA HP–FGM (RATE = 3,500 LBS/ACRE)
3. SEED MIXTURE:
   35% TARHEEL II TALL FESCUE
   25% LIGHTHOUSE SLENDER CREEPING RED FESCUE
   20% INFERNO TALL FESCUE
   10% MOONLIGHT SLT KENTUCKY BLUEGRASS
   10% FULTS ALKALIGRASS

   SEEDING RATE 10 LBS PER 1,000 SQ FT
4. SUPPLEMENTS:
   BIOPLEX ORGANIC FERTILIZER 5–3–1 (RATE 50 LBS / 5,000 SQ. FT.)
   AQUA GEL ADDED TO HYDROSEEDING (RATE 10 LBS/ACRE)



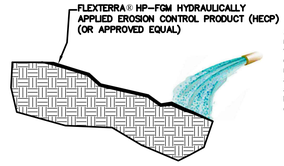
PLUG PLANTING DETAIL

SCALE : N.T.S.



SHRUB PLANTING DETAIL

SCALE: NTS



A hydraulically-applied, 100% biodegradable, High Performance-Flexible Growth Medium (HP-FGM) that is manufactured in the United States and is composed of 100% recycled thermally refined (within a pressure vessel) wood fibers, crimped interlocking man-made biodegradable fibers, micro-pore granules, naturally derived crosslinked biopolymers and water absorbents. The HP-FGM is phytosanitized, free from plastic netting, requires no curing period and upon application forms an intimate bond with the soil surface to create a continuous, porous, absorbent and flexible erosion resistant blanket that allows for rapid germination and accelerated plant growth . All components of the FGM shall be pre-packaged by the Manufacturer to assure both material performance and compliance with the following values. No chemical additives with the exception of fertilizer, liming and biostimulant materials should be added to this product.

1. Thermally Processed (within a pressure vessel) Wood Fiber - 80% ± 3%
   - Heated to a temperature greater than 380 degrees Fahrenheit (193 degrees Celsius) for 5 minutes at a pressure greater than 50 psi (345 kPa)

   Crosslinked Biopolymers and Water Absorbents - 10% ± 1%
   Crimped, Man-made Biodegradable Interlocking Fibers - 5% ± 1%
   Micro-Pore Granules - 5 % ± 1%

INSTALLATION

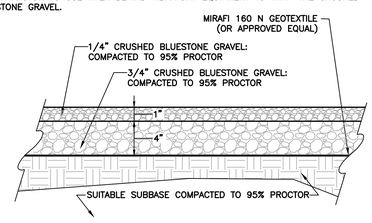
Strictly comply with equipment manufacturer's installation instructions and recommendations. Use approved hydro-spraying machines with fan-type nozzle (50-degree tip). To achieve optimum soil surface coverage, apply HP-FGM from opposing directions to soil surface. Rough surfaces (rocky terrain, cat tracks and ripped soils) may require higher application rates to achieve 100% cover. Slope interruption devices or water diversion techniques are recommended when slope lengths exceed 100 feet (30 m). Maximum slope length is for product applications on a 3H:1V slope. For application on steeper slopes, slope interruption lengths may need to be decreased based on actual site conditions. To ensure proper application rates, measure and stake area. For maximum performance, apply HP-FGM in a two-step process as follows:

1. *Step One: Apply fertilizer with specified prescriptive agronomic formulations and 50% of seed with a small amount of HP-FGM for visual metering.*
2. *Step Two: Mix balance of seed and apply HP-FGM at a rate of 50 lb per 125 gallons (23 kg/475 liters) of water over freshly seeded surfaces. Confirm loading rates with equipment manufacturer. Do not leave seeded surfaces unprotected, especially if precipitation is imminent.*

FLEXIBLE GROWTH MEDIUM DETAIL

SCALE : N.T.S.

NOTES:
1) CONTRACTOR TO SUBMIT SAMPLES FOR APPROVAL BY OWNERS REPRESENTATIVE FOR APPROVAL.
2) CONTRACTOR TO USE WALK BEHIND VIBRATORY EQUIPMENT TO TAMP THE CRUSHED BLUESTONE GRAVEL.



CRUSHED BLUESTONE GRAVEL DETAIL

SCALE : N.T.S.

SCALE : N.T.S.

FOR MUNICIPAL REVIEW
NOT FOR CONSTRUCTION

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)
HORIZ. 1 inch = 20 ft.

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NO.	DATE	REVISION DESCRIPTION	INT.

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303 Tarrytown Road, 1st Floor, White Plains, NY 10603 T: (914) 721-8300
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PROJECT NAME: SOUTH SHORE BLUEWAY TRAIL

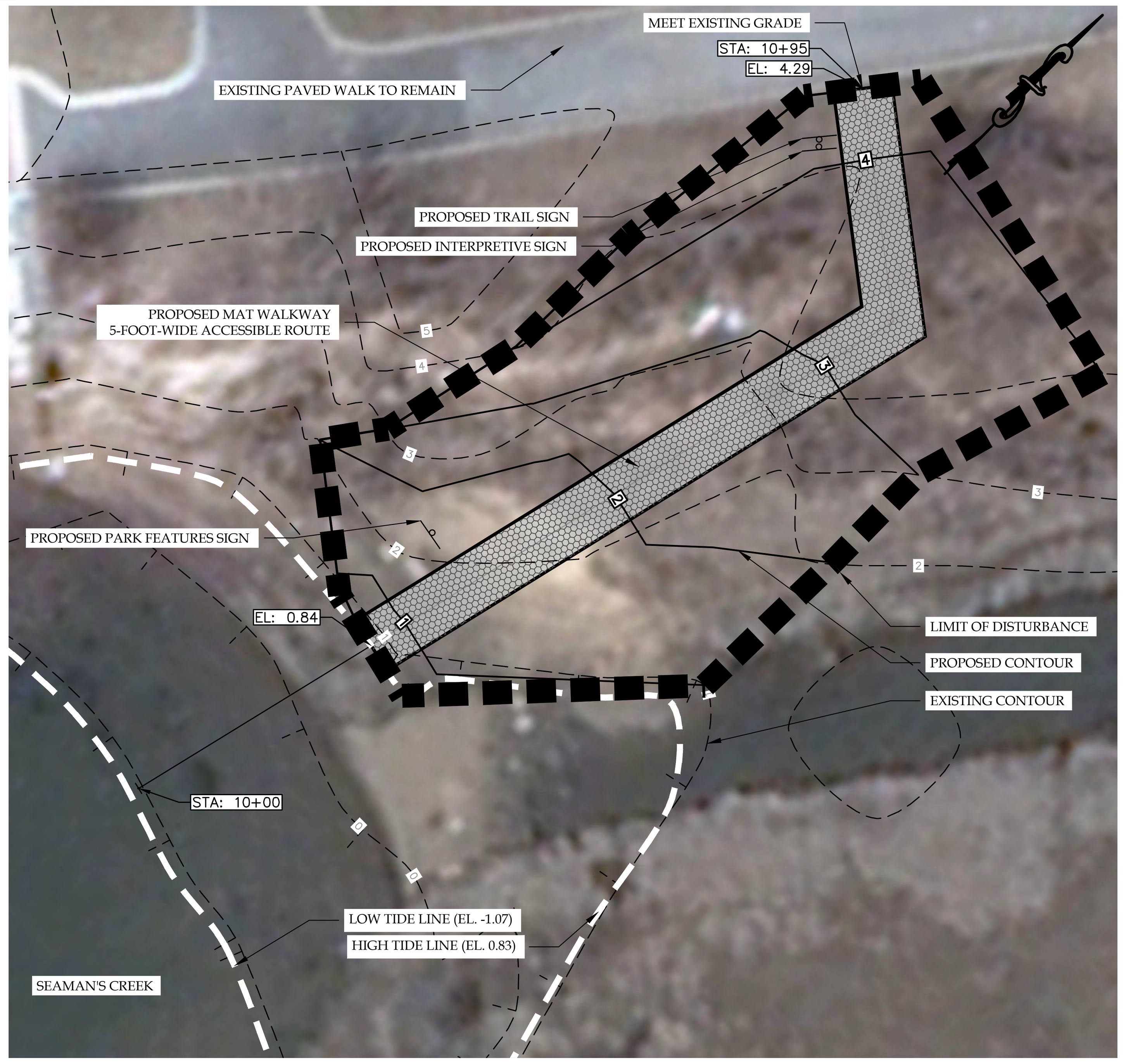
PROJECT LOCATION: 3800 MAHLON BROWER DRIVE OCEANSIDE, NEW YORK 11572

TITLE: OCEANSIDE PARK (3)

DISCIPLINE: CIVIL

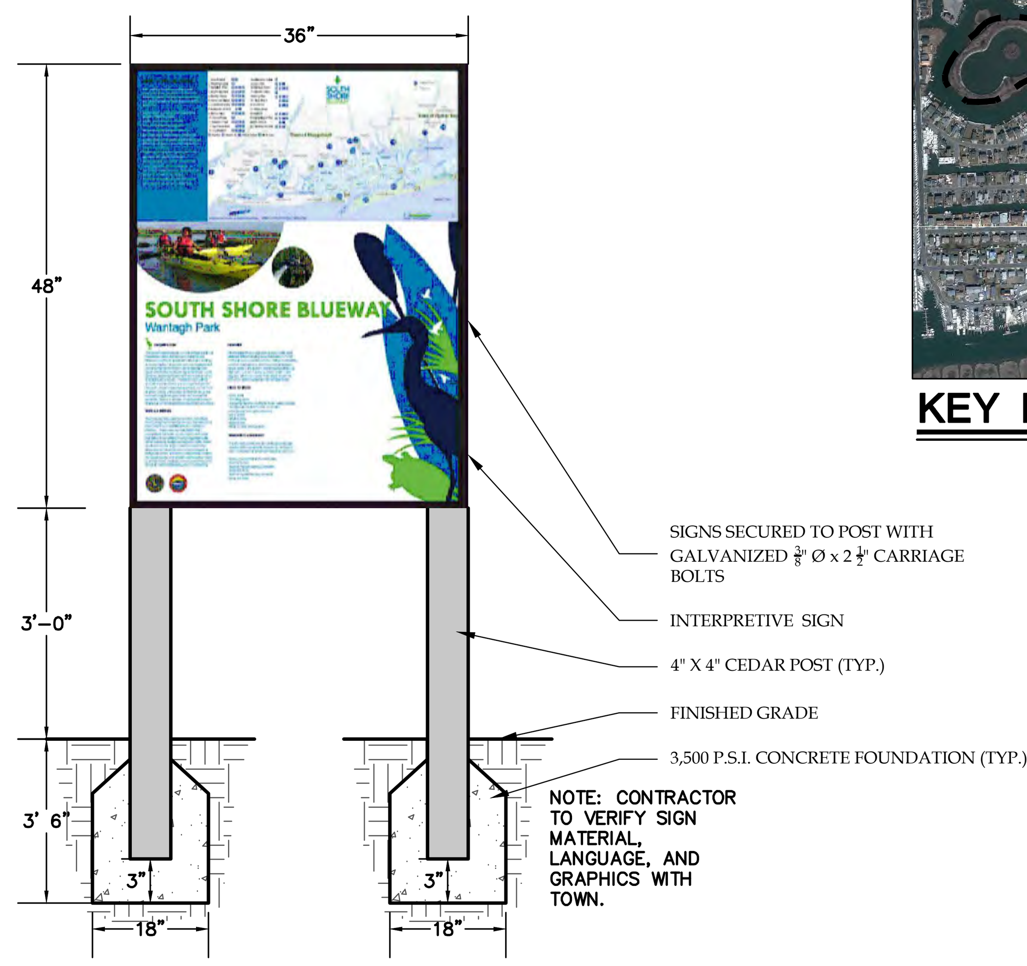
PROJECT ENGINEER:	PROJECT NO.	DRAWING NO.
MAD/DB	CE2174E	3
DESIGNED BY: MAD/FD	JOB NO. CE2174E	DRAWING 3 of 3
DRAWN BY: FD	DATE: 01/31/14	
CHECKED BY: MAD	SCALE: AS SHOWN	

PLOT SCALE: \CE2174E\ENGINEER\3 OCEANSIDE PARK (3).dwg, Date: January 28, 2014, Plantsp.PDF - Plotted by Michael De Filippis



ALIGNMENT PLAN

SCALE : 1" = 10'

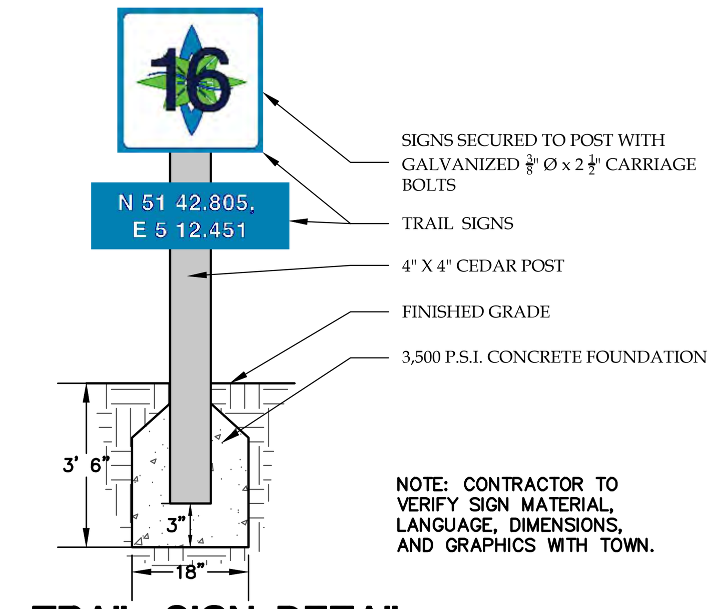


INTERPRETIVE SIGN DETAIL

SCALE: NOT TO SCALE

KEY MAP

SCALE: 1"=1000'-0"



TRAIL SIGN DETAIL

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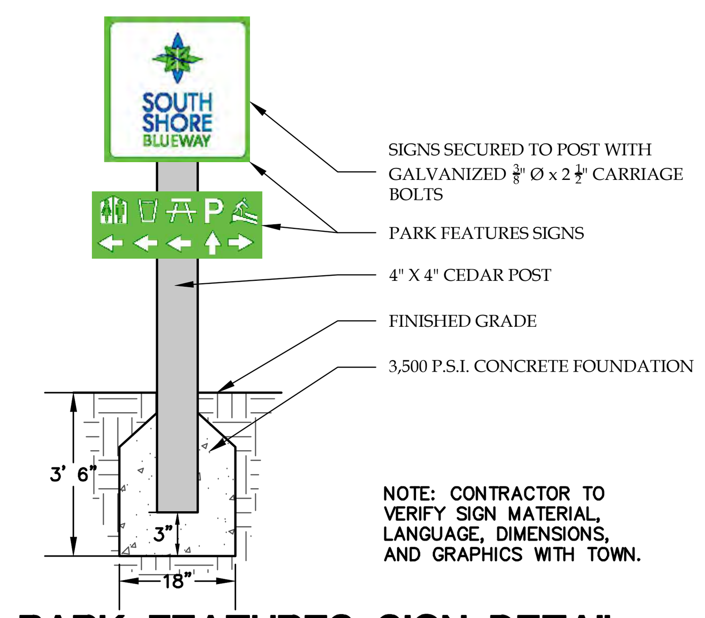


PARK FEATURES SIGN DETAIL

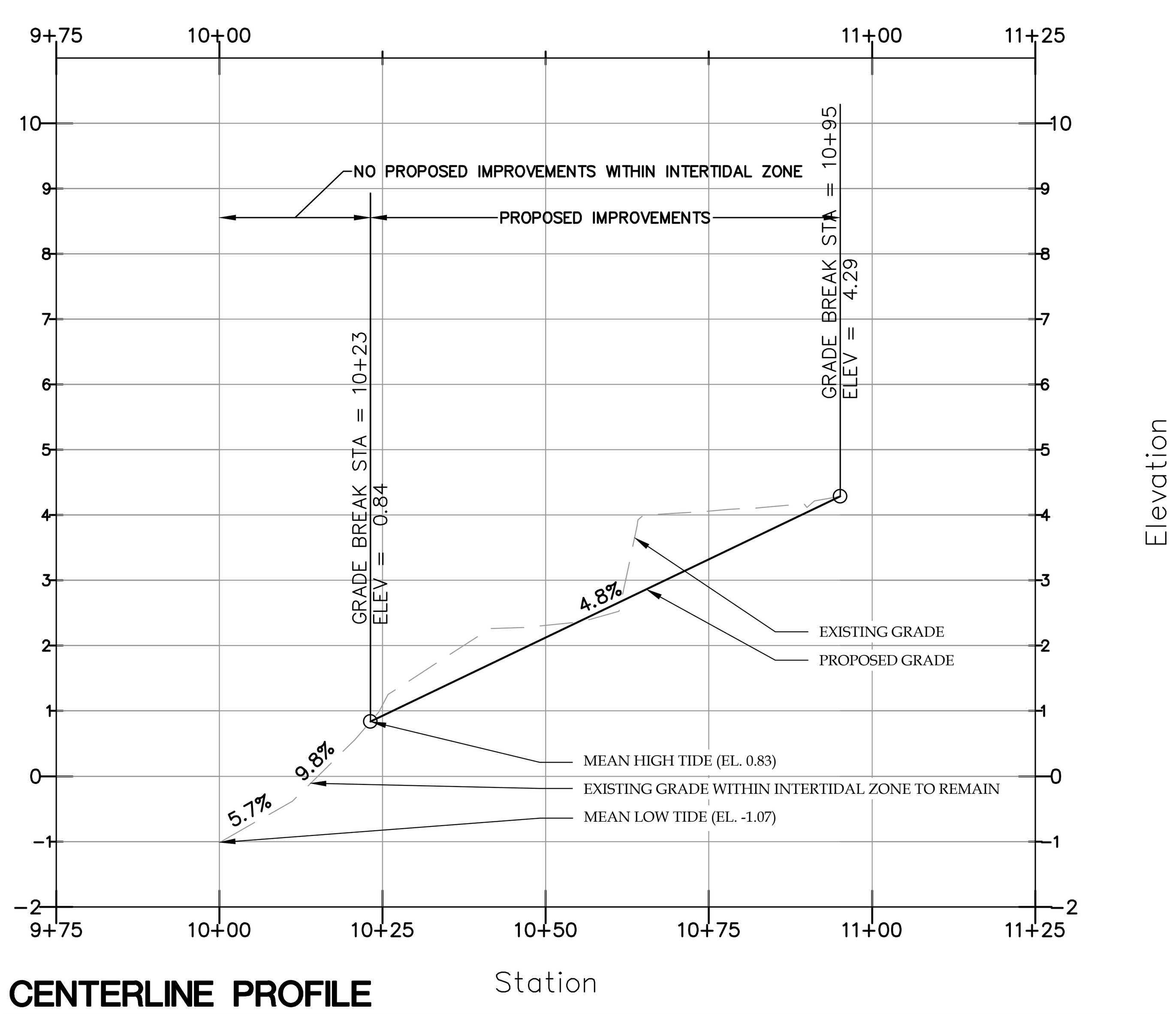
SCALE: NOT TO SCALE

LEGEND

- PROPOSED MAT WALKWAY
- EXISTING CONTOURS
- PROPOSED CONTOURS
- LIMIT OF DISTURBANCE
- PROPOSED SIGN

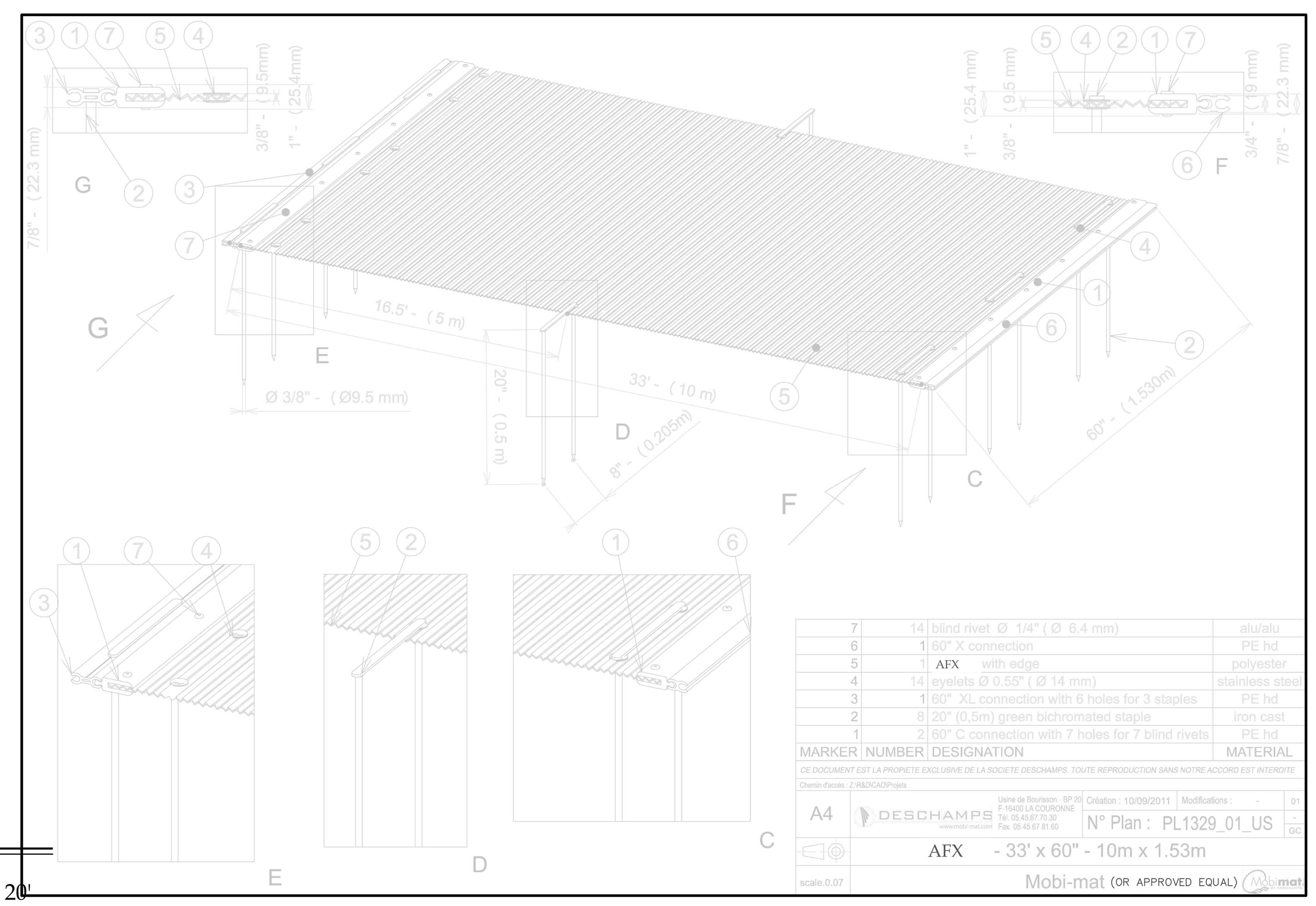
MAT WALKWAY NOTES

1. MATERIAL: MOBIMAT, AFX GRADE (OR APPROVED EQUAL).
   COLOR: BROWN.
   MANUFACTURER: DESCHAMPS MAT SYSTEMS, 218 LITTLE FALLS ROAD, UNIT 7, CEDAR GROVE, NJ 07009.
2. ANY SUBSTITUTIONS SHALL MEET OR EXCEED THAT OF PROPOSED. REQUEST FOR SUBSTITUTION SHALL BE MADE MINIMUM TEN DAYS PRIOR TO BID DUE DATE.
3. CONTRACTOR TO INSTALL MOBIMAT PER MANUFACTURER SPECIFICATIONS.
4. CONTRACTOR TO FACILITATE SITE MEETING WITH MANUFACTURER PRIOR TO INSTALLATION.
5. CONTRACTOR TO SUBMIT SAMPLES TO THE OWNER FOR APPROVAL.



CENTERLINE PROFILE

VERTICAL SCALE : 1" = 2'
HORIZONTAL SCALE : 1" = 20'



MAT WALKWAY DETAIL

GRADING & DRAINAGE NOTES

1. ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF ALL LOCAL, COUNTY AND STATE LAWS AND APPLICABLE CODES.
2. SITE ALIGNMENT AND GRADING IS BASED ON AVAILABLE LIDAR TOPOGRAPHY AND SUPPLEMENTED WITH GPS DATA. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS. ANY DIFFERENCES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER. .
3. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO COMMENCING THE WORK. CARE SHALL BE TAKEN NOT TO DISTURB POTENTIAL EXISTING UTILITIES, SERVICE CONNECTIONS (OR PORTIONS THEREOF) TO REMAIN. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH THE RESPECTIVE UTILITY COMPANY AND MARK ALL LOCATIONS OF UNDERGROUND UTILITIES IN THE FIELD PRIOR TO COMMENCEMENT OF WORK. CONTRACTOR IS RESPONSIBLE FOR ANY REPAIR OR REPLACEMENT OF ANY SYSTEM DAMAGED DURING THE CONSTRUCTION.
4. DEBRIS SHALL NOT BE BURIED ON THE SUBJECT SITE. ALL UNSUITABLE MATERIAL AND DEBRIS SHALL BE DISPOSED OF IN ACCORDANCE WITH LOCAL, COUNTY, STATE AND FEDERAL LAWS AND APPLICABLE CODES.
5. ALL EXISTING STRUCTURES TO BE REMOVED (FOUNDATIONS, ETC.) SHALL BE REPLACED WITH CLEAN COMPACTED GRANULAR FILL, COMPACTED TO 95% STANDARD PROCTOR DENSITY IN 6 INCH LIFTS.
6. MASS GRADING FILL AREAS SHALL BE FIRST STRIPPED OF TOPSOIL AND MASS GRADING FILL SHALL BE GENERATED IN 6 INCH LIFTS, COMPACTED TO 95% STANDARD PROCTOR DENSITY.
7. CREATE SMOOTH TRANSITIONS FROM PROPOSED GRADED AREAS TO EXISTING TERRAIN.
8. ALL PAVEMENT TO BE REMOVED SHALL BE PROPERLY DISPOSED OF OFF SITE. NO SCARIFIED PAVEMENT OR OTHER DEBRIS SHALL BE USED OR INCLUDED IN BACKFILL MATERIALS.
9. THE CONTRACTOR SHALL USE THE APPROPRIATE MEANS TO PREVENT SEDIMENT AND DEBRIS FROM WASHING TO ADJACENT AREAS, FURTHER SPECIFIED IN EROSION CONTROL NOTES AND DETAILS.
10. ALL DISTURBED AREAS TO BE FINE GRADED, TOPSOIL ADDED, AND LANDSCAPED
11. GRADING SHALL MEET MINIMUM ADA REQUIREMENTS; 5% MAXIMUM SLOPE IN THE DIRECTION OF TRAVEL AND 2% MAXIMUM CROSS-SLOPE.

GENERAL NOTES

1. ALL WORK SHALL COMPLY WITH APPLICABLE FEDERAL, STATE AND LOCAL CODES, REGULATORY AGENCIES. THE CONTRACTOR SHALL NOTIFY/COORDINATE WITH THE OWNER FOR SITE IMPROVEMENTS INSTALLATION AND CONFORMANCE TO STANDARDS AND SPECIFICATIONS FOR ALL WORK.
2. ALL WORK, WHETHER SHOWN OR INFERRED, UNLESS SPECIFICALLY QUESTIONED, SHALL BE CONSIDERED FULLY UNDERSTOOD IN ALL RESPECTS BY THE CONTRACTOR, AND THE CONTRACTOR SHALL THEREBY BE RESPONSIBLE FOR ANY INTERPRETATIONS OR CONSEQUENCES THEREOF FOR ALL WORK ON ALL DRAWINGS.
3. THE OWNER'S REPRESENTATIVE SHALL BE NOTIFIED OF ANY DISCREPANCIES OR OMISSIONS WHICH COULD INTERFERE WITH THE SATISFACTORY COMPLETION OF THE WORK, PRIOR TO THE START OF ANY AND ALL WORK.
4. INSTALL WORK SO AS TO BE READILY ACCESSIBLE FOR OPERATING, MAINTENANCE AND REPAIR. MINOR DEVIATIONS FROM DRAWINGS, WITH NO MATERIAL COMPROMISE IN QUALITY, MAY BE MADE TO ACCOMPLISH THIS, BUT CHANGES OF MAGNITUDE AND/OR CHANGES WHICH RESULT IN EXTRA COST SHALL NOT BE MADE WITHOUT EXPRESSED APPROVAL.
5. THE CONTRACTOR SHALL IN ALL RESPECTS COMPLY WITH ALL REGULATIONS OF THE OWNER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN SUCH REGULATIONS FROM THE OWNER. IN THE EVENT OF CONFLICT BETWEEN REGULATIONS AND OTHER CONTRACT DOCUMENTS, THE OWNER'S REPRESENTATIVE AND OWNER SHALL BE CONSULTED PRIOR TO THE START OF ANY AND ALL WORK.
6. THE OWNER RESERVES THE RIGHT TO LET OTHER CONTRACTS IN CONNECTION WITH THE WORK OF THIS PROJECT. THE CONTRACTOR SHALL COOPERATE WITH OTHER CONTRACTORS AS REQUIRED TO CONFORM TO THE GENERAL CONSTRUCTION SCHEDULE AND SHALL AFFORD OTHER CONTRACTORS REASONABLE OPPORTUNITY FOR THE INTRODUCTION AND STORAGE OF THEIR MATERIALS AND EQUIPMENT AND THE EXECUTION OF THEIR WORK.
7. THE CONTRACTOR AND EACH SUBCONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING ALL DRAWINGS AND SPECIFICATIONS, AND NOTING ALL APPLICABLE WORK AS SHOWN OR INFERRED. ALL WORK AS SHOWN OR INFERRED SHALL BE INCLUDED IN THE COSTS.
8. THE CONTRACTOR SHALL FIRST COORDINATE AND THEN SUBMIT ALL SUBCONTRACTORS' SHOP DRAWINGS TO THE OWNER'S REPRESENTATIVE FOR REVIEW PRIOR TO WORK BEING PERFORMED.
9. ALL WORK SHALL CONFORM TO THE DRAWINGS AND SPECIFICATIONS AND SHALL BE OF NEW AND BEST QUALITY. NO MATERIAL SUBSTITUTIONS SHALL BE MADE, EXCEPT BY WRITTEN APPROVAL OF THE OWNER'S REPRESENTATIVE IN RESPONSE TO THE CONTRACTOR'S WRITTEN REQUEST.
10. ALL MANUFACTURED ARTICLES, MATERIALS AND EQUIPMENT SHALL BE SUPPLIED, INSTALLED, CONNECTED, ERECTED, USED, CLEANED AND CONDITIONED AS DIRECTED BY THE MANUFACTURERS, UNLESS OTHERWISE SPECIFIED ON THE DRAWINGS.
11. THE CONTRACTOR SHALL REPAIR AND RESTORE TO ORIGINAL CONDITION ANY EXISTING EQUIPMENT OR MATERIALS DAMAGED IN THE PROCESS OF INSTALLATION, AND DEMOLITION TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE AND AT NO ADDITIONAL COST TO THE OWNER.
12. THE CONTRACTOR SHALL MAKE REPAIRS USING THE SAME MATERIALS, AT THE CONTRACTOR'S COST.
13. THE CONTRACTOR SHALL INCUR ALL COSTS AND BURDENS ASSOCIATED WITH LOST, STOLEN OR DAMAGED EQUIPMENT AND MATERIALS.
14. TOPOGRAPHIC / MAP DATA PROVIDED BY FROM LIDAR DATA COMBINED WITH ENGINEER'S FIELD OBSERVATIONS.
15. CONTRACTOR IS RESPONSIBLE TO FACILITATE ON-SITE MARK-OUT OF EXISTING UTILITIES PRIOR TO CONSTRUCTION. WHENEVER EXISTING IMPROVEMENT INFORMATION IS EITHER INDICATED ON THE DRAWINGS OR SUPPLIED TO THE CONTRACTOR AT A LATER DATE, IT IS UNDERSTOOD THAT SUCH INFORMATION IS FURNISHED IN GOOD FAITH FOR THE CONTRACTOR'S CONVENIENCE. THE CONTRACTOR MUST INTERPRET THIS INFORMATION ACCORDING TO HIS OWN JUDGMENT, AND MUST MAKE HIS OWN DETERMINATIONS REGARDING THE LOCATION OF ALL IMPROVEMENTS. NO CLAIM WILL BE ALLOWED BECAUSE OF INCORRECT, INCOMPLETE OR OMITTED EXISTING IMPROVEMENTS INFORMATION.
16. ALL WORK, MATERIALS, SPECIFICATIONS, REGULATIONS, RULES, PERMITS, ETC., OF ALL STATE, COUNTY AND LOCAL GOVERNMENTS AND ALL UTILITY AGENCIES SHALL BE FOLLOWED BY THE CONTRACTOR.
17. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE STATE OF NEW YORK DEPARTMENT OF LABOR, BOARD OF STANDARDS AND APPEALS INDUSTRIAL CODE RULE 53 – "CONSTRUCTION, EXCAVATION UNDERGROUND FACILITIES" EFFECTIVE APRIL 1, 1975. AND, DEMOLITION OPERATIONS AT OR NEAR THE CONTRACT WILL BE REQUIRED TO COMPLY WITH ALL APPLICABLE REQUIREMENTS OF INDUSTRIAL CODE 53.
18. UTILITY FORCES, CONTRACTORS, OR OTHER PARTIES MAY BE EXPECTED TO BE WORKING WITHIN THE CONTRACT AREA DURING THE CONTRACT. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE HIS WORK UNDER THIS CONTRACT WITH THE WORK BEING DONE BY OTHERS IN ORDER THAT THE CONSTRUCTION MAY PROCEED IN AN EFFICIENT AND LOGICAL MANNER.
19. THE CONTRACTOR SHALL RESTORE ALL DISTURBED EXISTING FEATURES TO A CONDITION EQUAL TO OR BETTER THAN CURRENTLY EXISTED.
20. THE CONTRACTOR SHALL COMPLY WITH THE LATEST OSHA CONFINED SPACE ENTRY REQUIREMENTS (29 CFR PART 1910)
21. EACH CONTRACTOR IS CAUTIONED TO AVOID DISTURBING ANY FENCES, SHRUBS, TREES, ETC., THAT ARE ADJACENT TO HIS CONSTRUCTION WITHOUT WRITTEN PERMISSION FROM THE ENGINEER. AS ORDERED BY THE ENGINEER, THE COST OF REPAIRING OR ADJUSTING ANY SUCH DISTURBED AREAS WILL BE AT THE CONTRACTOR'S OWN EXPENSE. IN THE EVENT THAT TREES ARE ENDANGERED, THE CONTRACTOR WILL TAKE ALL PRECAUTIONS TO PROTECT THEM, AS DIRECTED BY THE ENGINEER. PAYMENT FOR ANY NECESSARY WORK SHALL BE INCLUDED IN THE VARIOUS CONTRACT ITEMS.
22. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO COORDINATE THE ACTIVITIES OF ANY SUBCONTRACTOR, CONTRACTOR, OWNER CONTRACTED TRADESMAN, MUNICIPAL EMPLOYEES, UTILITIES, ETC., INVOLVED IN THE OVERALL SCOPE OF THE PROJECT, INCLUDING UNAWARDED ALTERNATE WORK, AS PREVIOUSLY DESCRIBED, AT NO COST TO THE OWNER. THE GENERAL CONTRACTOR WILL PREPARE A PROJECT SCHEDULE INCLUDING THE WORK OF ALL OTHER CONTRACTORS.
23. BECAUSE THE PROPOSED IMPROVEMENTS ARE TO ENHANCE THE ASPECTS OF THE SITES, THE CONTRACTOR IS NOTIFIED THAT THE GENERAL PUBLIC, SOME OF WHOM MAY BE POTENTIAL VANDALS, WILL BE IN THE AREA AT ANY HOUR. EACH CONTRACTOR SHALL PROTECT, AT ALL TIMES, THE PUBLIC AND HIS WORK FROM HARM. EACH CONTRACTOR SHALL BEAR ALL RESPONSIBILITY FOR HARM TO THE PUBLIC AND DAMAGE TO HIS EQUIPMENT, TOOLS AND MATERIALS.

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GRAPHIC SCALE

10 0 5 10 20

(IN FEET)
HORIZ. 1 inch = 10 ft.

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PROJECT NAME: SOUTH SHORE BLUEWAY TRAIL

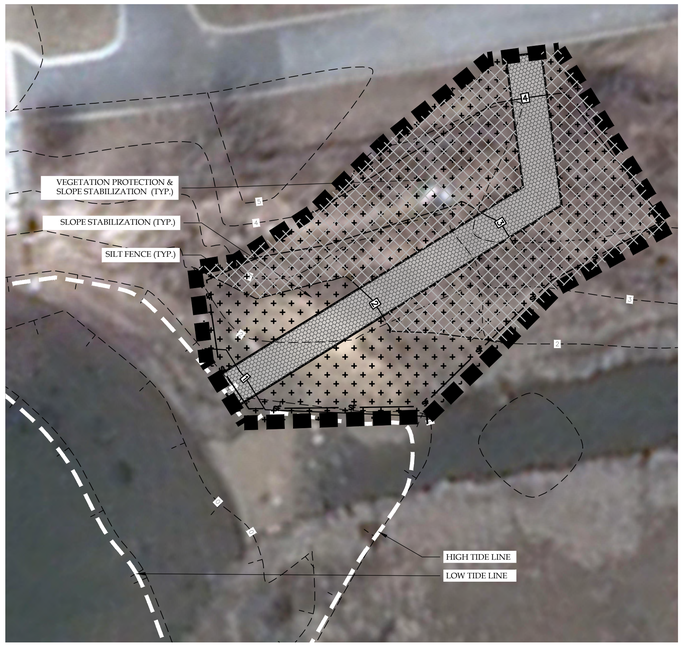
PROJECT LOCATION: 2700 S. SEAMAN'S NECK ROAD
SEAFORD, NEW YORK 11783

TITLE: SEAMAN'S NECK PARK

DISCIPLINE: CIVIL

PROJECT ENGINEER: MAD/DB	PROJECT NO. CE2174E	DRAWING NO. 1
DESIGNED BY: MAD/FD	JOB NO. CE2174E	
DRAWN BY: FD	DATE: 01/31/14	DRAWING
CHECKED BY: MAD	SCALE: AS SHOWN	1 of 3

PLOT SCALED: \CE2174E\FIGURES\Seamans Neck.dwg, Date: January 28, 2014, Psetup: PDF, Plotted by: Michael De Giglio



EROSION CONTROL AND WATERFOWL PROTECTION PLAN

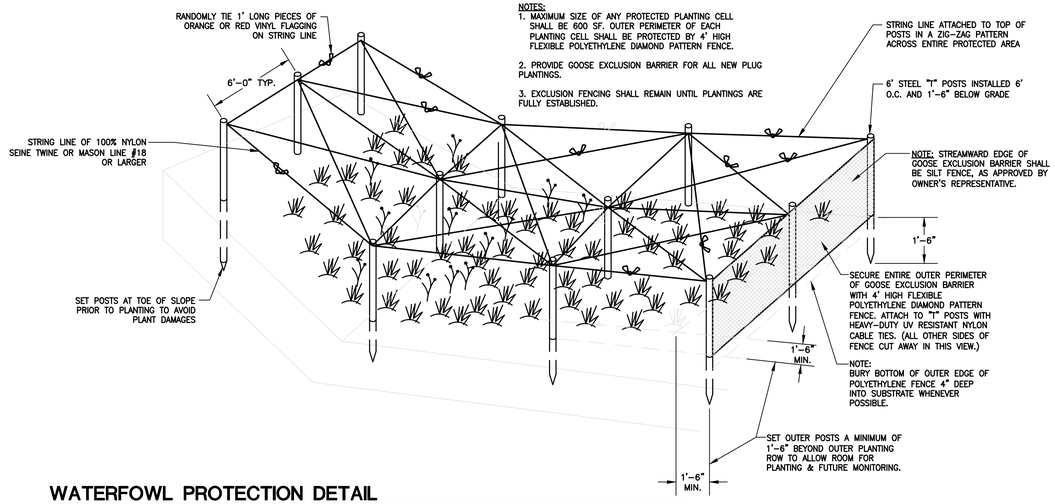
SCALE : 1" = 10'

LEGEND

SF — SILT FENCE

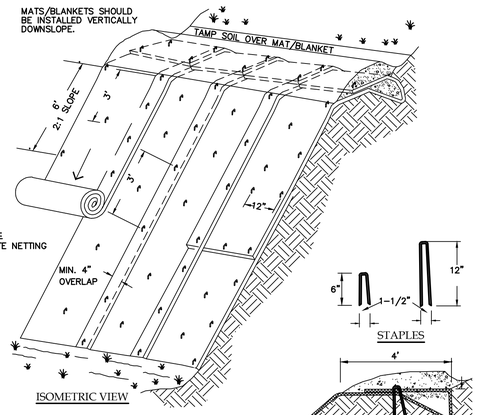
SLOPE STABILIZATION FABRIC

WATERFOWL PROTECTION



WATERFOWL PROTECTION DETAIL

SCALE : N.T.S.



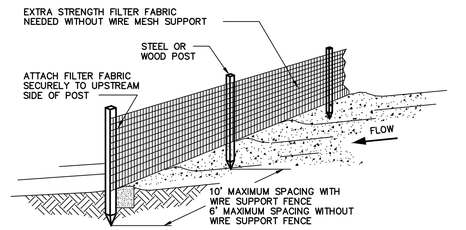
TYPICAL SLOPE SOIL STABILIZATION

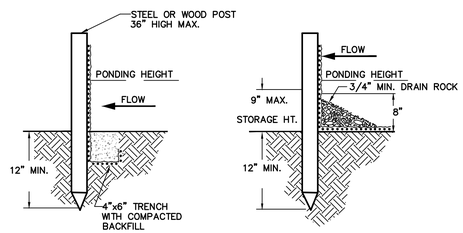
NOTES:

1. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS AND GRASS. MATS/BLANKETS SHALL HAVE GOOD SOIL CONTACT.
2. APPLY PERMANENT HYDOSEEDING AFTER PLACING BLANKETS.
3. LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.

SLOPE STABILIZATION

SCALE: NTS





NOTES:

1. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.
2. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY. 9" MAXIMUM RECOMMENDED STORAGE HEIGHT.
3. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.

SILT FENCE DETAIL

SCALE: NTS

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GRAPHIC SCALE

10 0 5 10 20

(IN FEET)

HORIZ. 1 inch = 10 ft.

NO.	DATE	REVISION DESCRIPTION	INT.

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PROJECT NAME: SOUTH SHORE BLUEWAY TRAIL

PROJECT LOCATION: 2700 S. SEAMAN'S NECK ROAD SEAFORD, NEW YORK 11783

TITLE: SEAMAN'S NECK PARK (2)

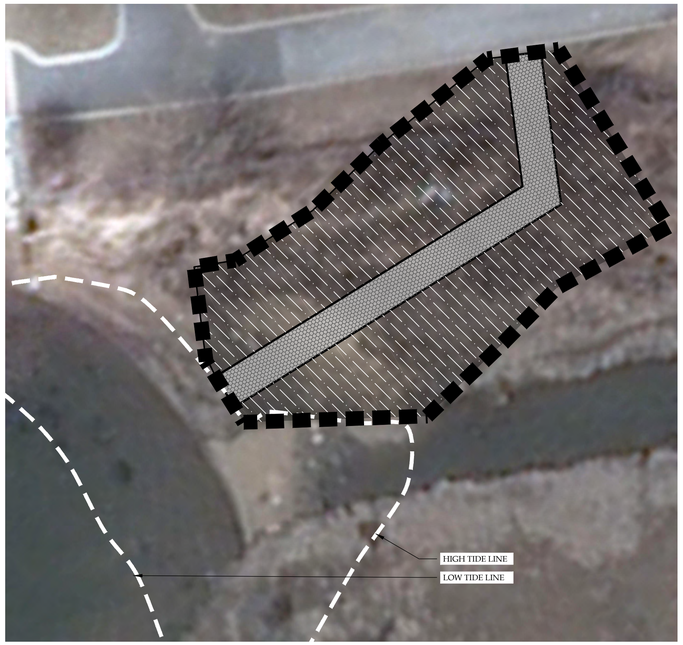
DISCIPLINE: CIVIL

PROJECT ENGINEER:	MAD/DB
DESIGNED BY:	MAD/FD
DRAWN BY:	FD
CHECKED BY:	MAD
PROJECT NO.	CE2174E
JOB NO.	CE2174E
DATE:	01/31/14
SCALE:	AS SHOWN

DRAWING NO. 2

DRAWING 2 of 3

PLOT SCALE: \CE2174E\FIGURES\Seamans Neck.dwg, Date: January 28, 2014, Pentop.PSF, Plotted by: Michael De Giglio



LANDSCAPING PLAN

SCALE : 1" = 10'

PLANTING SCHEDULE

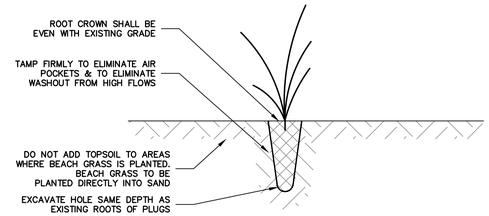
GRASSES

QTY	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	COMMENTS
–		Ammophila breviligulata	American Beach Grass	12" min. ht.	12" O.C.	Plug

QUANTITIES SHOWN ON PLAN SHALL GOVERN OVER QUANTITIES IN PLANT SCHEDULE

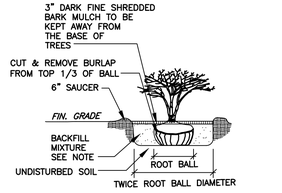
PLANTING NOTES

1. ALL PLANT MATERIAL SUPPLIED AND INSTALLED SHALL BE IN ACCORDANCE WITH CURRENT A.A.N. (AMERICAN ASSOCIATION OF NURSERYMEN), AND ACCEPTED INDUSTRY STANDARDS.
2. NO SUBSTITUTION OF MATERIAL SHALL BE MADE WITHOUT THE APPROVAL OF THE OWNER, AND THE ENGINEER OR LANDSCAPE ARCHITECT.
3. BACKFILL ALL PLANT PITS WITH A BACKFILL MIXTURE OF 50% TOPSOIL TO 50% ORIGINAL SOIL EXCAVATED FROM THE PLANTING HOLE WITH PROPER AMOUNTS OF FERTILIZER.
4. ALL MAJOR, MINOR, AND EVERGREEN TREES SHALL BE PROPERLY STAKED OR ANCHORED ONLY IF ABSOLUTELY NECESSARY. IF STAKING IS NECESSARY GUY WIRES TO BE LEFT LOOSE AND STAKES AND WIRES TO BE REMOVED AT END OF GUARANTEE PERIOD.
5. CULTIVATE AND RAKE OVER FINISHED PLANTING AREA AND LEAVE IN AN ORDERLY CONDITION.
6. FORM A SHALLOW BASIN AROUND EACH PLANT SO AS TO HOLD WATER AND MULCH.
7. ALL TREE AND SHRUB AREAS TO BE MULCHED AS SHOWN ON THE PLANS WITH A MINIMUM OF 3" SHREDDED BARK MULCH.
8. REMOVE FROM ALL PLANT MATERIAL, BROKEN OR BRUISED BRANCHES WITH A CLEAN CUT.
9. AT THE TIME OF PLANTING, THE SOIL AROUND EACH PLANT SHALL BE THOROUGHLY SATURATED WITH WATER AND AS MANY TIMES LATER AS SEASON CONDITIONS REQUIRE FOR THE ENTIRE MAINTENANCE PERIOD.
10. ALL GRASS AREAS TO BE TOPSOILED WITH A MINIMUM OF 4" TOPSOIL AND HYDROSEEDED AS SHOWN ON THE PLANS.
11. PRE-EMERGENT WEED CONTROL SHALL BE APPLIED TO ALL AREAS FOR PLANTING INCLUDING TREES, SHRUBS, GROUND COVER AND SEEDED AREAS. IF WEED CONTROL OF GRASS AREAS IS REQUIRED, WEED CONTROL APPLIED MUST PERMIT IMMEDIATE SEEDING OF PERMANENT GRASSES.
12. ALL LANDSCAPING AS SHOWN ON THE APPROVED SITE PLAN SHALL BE MAINTAINED IN A VIGOROUS GROWING CONDITION THROUGHOUT THE LIFE OF THE PROJECT. ANY PLANTS NOT SO MAINTAINED SHALL BE REPLACED WITH HEALTHY NEW PLANTS OF COMPARABLE SIZE, TYPE AND QUALITY AT THE BEGINNING OF THE NEXT IMMEDIATELY FOLLOWING GROWING SEASON.
13. TOPSOIL FOR PLANTING AND SEED AREAS TO BE IMPORTED AS REQUIRED. AT NO ADDITIONAL COST TO THE OWNER.
14. PLANT SAVER, MANUFACTURED BY PLANT HEALTH CARE, INC. TO BE ADDED AT TIME OF PLANTING AND ACCORDING TO MANUFACTURERS SPECIFICATIONS IN ALL PLANTED AREAS EXCEPT TREE PLANTINGS. TREE PLANTINGS TO INCLUDE TREE SAVER, MANUFACTURED BY PLANT HEALTH CARE, INC. TO BE ADDED AT TIME OF PLANTING AND ACCORDING TO MANUFACTURERS SPECIFICATIONS.



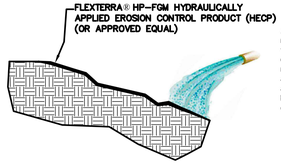
PLUG PLANTING DETAIL

SCALE : N.T.S.



SHRUB PLANTING DETAIL

SCALE: NTS



A hydraulically-applied, 100% biodegradable, High Performance-Flexible Growth Medium (HP-FGM) that is manufactured in the United States and is composed of 100% recycled thermally refined (within a pressure vessel) wood fibers, crimped interlocking man-made biodegradable fibers, micro-pore granules, naturally derived crosslinked biopolymers and water absorbents. The HP-FGM is phytosanitized, free from plastic netting, requires no curing period and upon application forms an intimate bond with the soil surface to create a continuous, porous, absorbent and flexible erosion resistant blanket that allows for rapid germination and accelerated plant growth . All components of the FGM shall be pre-packaged by the Manufacturer to assure both material performance and compliance with the following values. No chemical additives with the exception of fertilizer, liming and biostimulant materials should be added to this product.

1. Thermally Processed (within a pressure vessel) Wood Fiber - 80% ± 3%
   - Heated to a temperature greater than 380 degrees Fahrenheit (193 degrees Celsius) for 5 minutes at a pressure greater than 50 psi (345 kPa)

   Crosslinked Biopolymers and Water Absorbents - 10% ± 1%
   Crimped, Man-made Biodegradable Interlocking Fibers - 5% ± 1%
   Micro-Pore Granules - 5 % ± 1%

INSTALLATION

Strictly comply with equipment manufacturer's installation instructions and recommendations. Use approved hydro-spraying machines with fan-type nozzle (50-degree tip). To achieve optimum soil surface coverage, apply HP-FGM from opposing directions to soil surface. Rough surfaces (rocky terrain, cat tracks and ripped soils) may require higher application rates to achieve 100% cover. Slope interruption devices or water diversion techniques are recommended when slope lengths exceed 100 feet (30 m). Maximum slope length is for product applications on a 3H:1V slope. For application on steeper slopes, slope interruption lengths may need to be decreased based on actual site conditions. To ensure proper application rates, measure and stake area. For maximum performance, apply HP-FGM in a two-step process as follows:

1. *Step One: Apply fertilizer with specified prescriptive agronomic formulations and 50% of seed with a small amount of HP-FGM for visual metering.*
2. *Step Two: Mix balance of seed and apply HP-FGM at a rate of 50 lb per 125 gallons (23 kg/475 liters) of water over freshly seeded surfaces. Confirm loading rates with equipment manufacturer. Do not leave seeded surfaces unprotected, especially if precipitation is imminent.*

FLEXIBLE GROWTH MEDIUM DETAIL

SCALE : N.T.S.

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TITLE: SEAMAN'S NECK PARK (3)

DISCIPLINE: CIVIL

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DESIGNED BY:	MAD/FD
DRAWN BY:	FD
CHECKED BY:	MAD
PROJECT NO.	CE2174E
JOB NO.	CE2174E
DATE:	01/31/14
SCALE:	AS SHOWN

DRAWING NO. 3

DRAWING 3 of 3

PLOT SCALE=1'-0" C:\CE2174E\DRAWINGS\Seamans Neck Area, Park\January 28, 2014, Park.pc PDF, Printed by Michael De Giglio