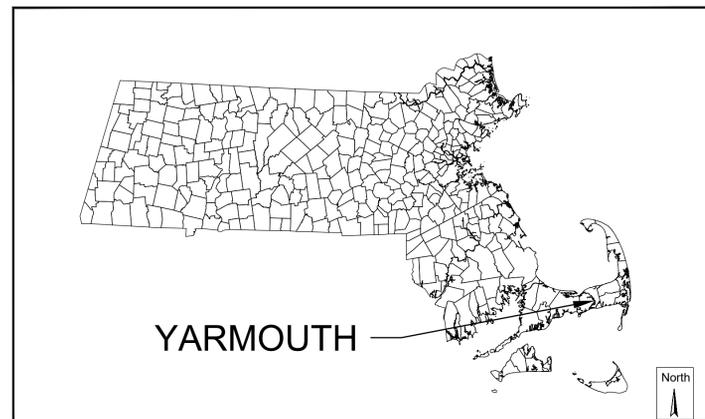


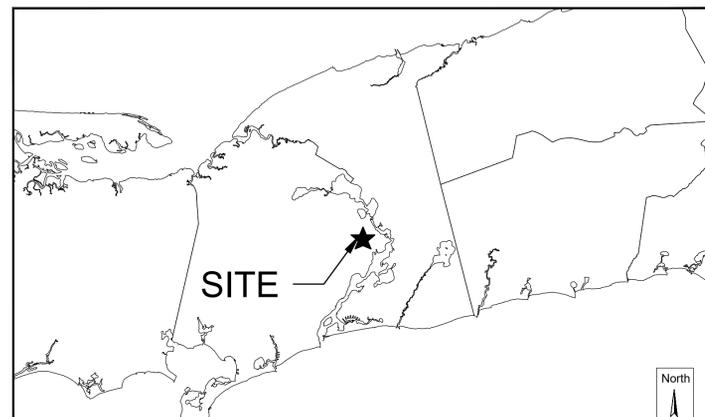
# CURVE HILL ROAD CONSTRUCTED WETLAND SOUTH YARMOUTH, MASSACHUSETTS

## JANUARY 3, 2025



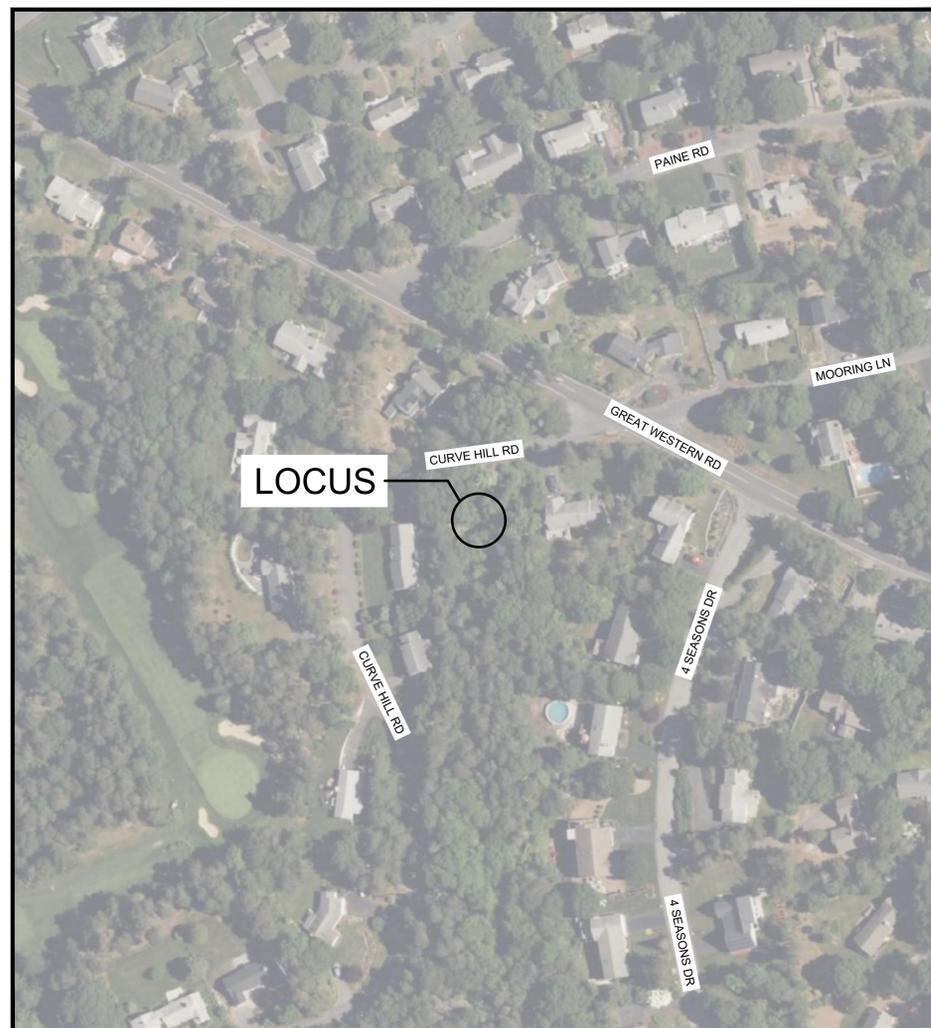
**MASSACHUSETTS**

Graphic Scale  
0 150000  
SCALE IN FEET  
1:150000



**YARMOUTH**

Graphic Scale  
0 12000  
SCALE IN FEET  
1:12000



**VICINITY MAP**

Graphic Scale  
1-inch = 100-feet

Sheet List Table	
Sheet Number	Sheet Title
1	COVER SHEET
2	NOTES AND LEGEND
3	EROSION AND SEDIMENT CONTROL PLAN
4	SITE AND GRADING PLAN
5	DRAINAGE AND SITE DETAILS
6	PLANTING PLAN
7	PLANTING DETAILS

**GENERAL NOTES:**

1. SURVEY CONDUCTED BY HORSLEY WITTEN GROUP (HW) IN FEBRUARY, 2024. ELEVATION DATUM IS NAVD 88.
2. PROPERTY LINES APPROXIMATE ONLY.
3. ABUTTER INFORMATION FROM ASSESSOR'S MAP.
4. SITE INFORMATION:
  - MAP: 101
  - LOT: 196
  - ADDRESS: CURVE HILL ROAD
  - ZONING DISTRICT: RESIDENTIAL
5. THE WETLAND DELINEATION SHOWN HEREON WAS CONDUCTED BY HORSLEY WITTEN GROUP, INC. IN NOVEMBER 2023.
6. ORDER OF CONDITIONS APPROVED AND ISSUED ON OCTOBER 9, 2024.
  - 6.1. MASS DEP FILE #:083-2450

<p>Plan Set:</p> <p style="font-size: 1.2em;"><b>CURVE HILL ROAD CONSTRUCTED WETLAND SOUTH YARMOUTH, MASSACHUSETTS</b></p>																	
<p>Prepared For:</p> <p style="text-align: center;">Town of Yarmouth DPW 74 Town Brook Road West Yarmouth, MA 02673 (508) 398-2231 ext. 1250</p>																	
<p>Prepared By:</p> <p style="text-align: center;"><b>Horsley Witten Group, Inc.</b> <i>Sustainable Environmental Solutions</i> <a href="http://www.horsleywitten.com">www.horsleywitten.com</a></p>																	
<p>Headquarters 90 Route 6A, Unit 1 Sandwich, MA 02563 Phone: (508) 833-6600 Fax: (508) 833-3150</p>	<p>112 Water Street, 6th Floor Boston, MA 02109 Phone: (857) 263-8193</p>	<p>1 Turks Head Place, Suite 300 Providence, RI 02903 Phone: (401) 272-1717 Fax: (401) 437-8368</p>	<p>113 R2 Water Street Exeter, NH 03833 Phone: (603) 658-1660</p>														
<p>Date Issued: JANUARY 3, 2025</p>	<p>Registration:</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: left;">Revisions</th> </tr> <tr> <th style="width: 5%;">Rev.</th> <th style="width: 95%;">Date By Appr. Description</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> </tbody> </table>	Revisions		Rev.	Date By Appr. Description											<p>Project Number: 22108</p> <p>Sheet Number: 1 of 7</p> <p>Drawing Number: C - 1</p>
Revisions																	
Rev.	Date By Appr. Description																

last modified: 01/02/25 by ggg H:\Projects\2022\2108 APCC Yarmouth\Drawings\CURVE HILL\2108A CURVE HILL RD CV.dwg

GENERAL CONSTRUCTION NOTES:

- 1. ALL SITE WORK TO COMPLETE THIS PROJECT, AS INDICATED ON THE DRAWINGS, IN THE SPECIFICATIONS AND AS DESCRIBED BELOW IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
2. IMMEDIATELY CONTACT AND COORDINATE WITH THE ENGINEER AND OWNER IF ANY DEVIATION OR ALTERATION OF THE WORK PROPOSED ON THESE DRAWINGS IS REQUIRED.
3. UTILIZE ALL PRECAUTIONS AND MEASURES TO ENSURE THE SAFETY OF THE PUBLIC, ALL PERSONNEL AND PROPERTY DURING CONSTRUCTION IN ACCORDANCE WITH OSHA STANDARDS...

BASIC CONSTRUCTION SEQUENCE:

- 1. SURVEY AND STAKE THE PROPOSED LIMIT OF DISTURBANCE AND LIMIT OF SEDIMENTATION BARRIERS.
2. PLACE SEDIMENTATION BARRIERS AS INDICATED ON DRAWINGS AND STAKED OUT IN THE FIELD. UNDER NO CIRCUMSTANCES IS THE LIMIT OF WORK TO EXTEND BEYOND THE SEDIMENTATION BARRIERS/LIMIT OF DISTURBANCE AS INDICATED ON DRAWINGS AS APPROVED BY THE LOCAL CONSERVATION COMMISSION AND DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP).
3. INSTALL TEMPORARY CONSTRUCTION ENTRANCES IN LOCATIONS INDICATED ON DRAWINGS. NO OTHER ENTRANCES ARE TO BE USED TO GAIN ACCESS TO THE SITE BY ANY CONSTRUCTION OR DELIVERY VEHICLES.

GENERAL GRADING AND DRAINAGE NOTES:

- 1. ALL CUT AND FILL SLOPES SHALL BE 3H:1V OR FLATTER UNLESS OTHERWISE NOTED.
2. EXISTING GRADE CONTOUR INTERVALS SHOWN AT 1 FOOT.
3. PROPOSED GRADE CONTOUR INTERVALS SHOWN AT 1 FOOT.
4. ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE.

DEWATERING NOTES:

- 1. SUPPLY THE DEWATERING SYSTEMS TO:
A. DEWATER AREAS USING A SYSTEM OF PUMPS AND PIPES.
B. DEVELOP A SUBSTANTIALLY DRY AND STABLE SUBGRADE FOR THE PROPOSED WORK.
C. PREVENT DAMAGE TO ADJACENT PROPERTIES, UTILITIES AND RESOURCES AREAS.
D. RETAIN ALL SEDIMENTS ON-SITE WITHIN THE WORK AREA.
E. PREVENT SEDIMENT DISCHARGE AND DEGRADATION OF THE RESOURCE AREA.
F. PREVENT LOSS OF FINES, QUICK CONDITION, OR SOFTENING OF FOUNDATION SUBGRADE.

ACCOMPLISH DEWATERING IN ACCORDANCE WITH THE MEANS AND METHODS SUBMITTED AND APPROVED BY THE ENGINEER. KEEP THE ENGINEER ADVISED OF ANY CHANGES REQUIRED TO ACCOMMODATE FIELD CONDITIONS AND, ON COMPLETION OF THE DEWATERING SYSTEM INSTALLATION, REVISE AND RESUBMIT THE INFORMATION REQUIRED TO SHOW THE INSTALLED SYSTEM.

- A. PERFORM DEWATERING OPERATIONS TO LOWER THE GROUNDWATER LEVEL IN EXCAVATIONS AS REQUIRED TO PROVIDE A STABLE, DRY SUBGRADE FOR THE PROSECUTION OF THE PROPOSED WORK.
B. MAINTAIN DEWATERING OPERATIONS IN A MANNER THAT PREVENTS BUILDUP OF EXCESSIVE HYDROSTATIC PRESSURE AND DAMAGE TO STRUCTURES, AND THE SUBGRADE.
C. DO NOT ALLOW WATER TO ACCUMULATE IN EXCAVATIONS. CONTRACTOR SHALL PROVIDE AND MAINTAIN AT ALL TIMES AMPLE MEANS AND DEVICES TO REMOVE PROMPTLY, AND TO DISPOSE OF PROPERLY, ALL WATER ENTERING EXCAVATIONS AND TO KEEP THEM DRY UNTIL THE PROPOSED WORK IS COMPLETED.

STORMWATER FACILITY OPERATION & MAINTENANCE:

- 1. INSPECT AND RESTORE/CLEAN ALL FACILITIES (INLETS, MANHOLES, STORMWATER MANAGEMENT AREAS AS DESCRIBED BELOW OF SEDIMENT AND DEBRIS PRIOR TO THE OWNER'S ACCEPTANCE.
2. REMOVE AND DISPOSE ALL SEDIMENT AND DEBRIS TO A PRE-APPROVED LOCATION.
3. AT A MINIMUM INSPECT MONTHLY AND AFTER STORM EVENTS GREATER THAN OR EQUAL TO 1" OF RAINFALL AS NECESSARY FOR THE ENTIRE DURATION OF THE CONSTRUCTION PROJECT AND THE FIRST 3 MONTHS AFTER CONSTRUCTION TO ENSURE PROPER STABILIZATION.
4. SPECIFIC MAINTENANCE REQUIRED DURING CONSTRUCTION:
A. DRAINAGE STRUCTURES (INLETS, MANHOLES, CATCHBASINS, DIVERSION STRUCTURE, WATER QUALITY UNITS). MONITOR AND REGULARLY INSPECT ALL EXISTING AND PROPOSED DRAINAGE STRUCTURES FOR PROPER OPERATION, COLLECTION OF LITTER OR TRASH, AND STRUCTURAL DETERIORATION. CLEAN AND REMOVE SEDIMENT FROM THE STRUCTURES (INCLUDING SUMPS) AS NECESSARY, AND REPAIR WHEN REQUIRED.

EROSION & SEDIMENT CONTROL NOTES:

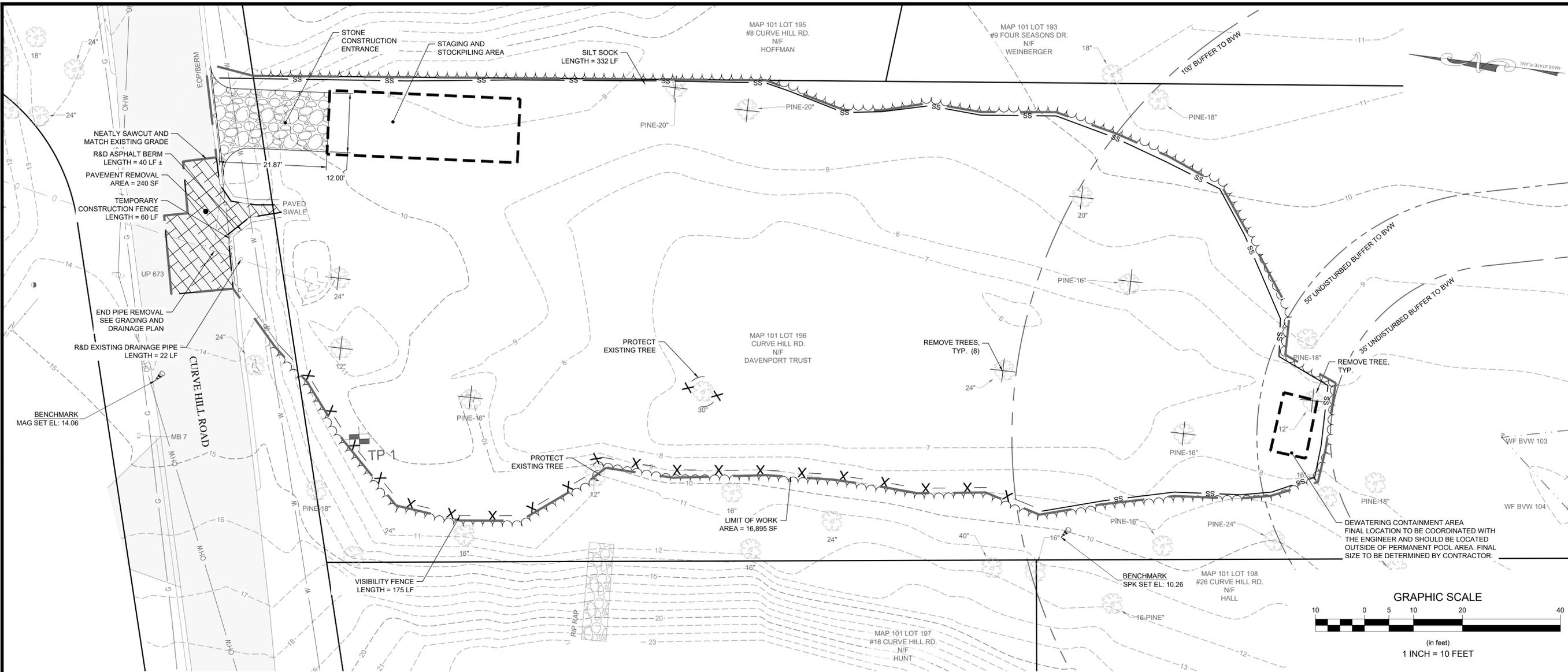
- 1. DESIGNATE THE SITE CONSTRUCTION FOREMAN AS THE ON-SITE PERSONNEL RESPONSIBLE FOR THE DAILY INSPECTION AND MAINTENANCE OF ALL SEDIMENT AND EROSION CONTROLS AND IMPLEMENTATION OF ALL NECESSARY MEASURES TO CONTROL EROSION AND PREVENT SEDIMENT FROM LEAVING THE SITE.
2. INSTALL ALL EROSION AND SEDIMENT CONTROL (ESC) MEASURES AS INDICATED ON DRAWINGS IN CONSULTATION WITH THE CONSERVATION AGENT, AND ENGINEER BEFORE ANY CONSTRUCTION ACTIVITIES BEGIN. INSPECT, MAINTAIN REPAIR AND REPLACE EROSION CONTROL MEASURES, AS NECESSARY, DURING THE ENTIRE CONSTRUCTION PERIOD OF THE PROJECT. THE SITE PERIMETER EROSION CONTROLS ARE THE DESIGNATED LIMIT OF WORK. INFORM ALL PERSONNEL WORKING ON THE PROJECT SITE THAT NO CONSTRUCTION ACTIVITY IS TO OCCUR BEYOND THE LIMIT OF WORK AT ANY TIME THROUGHOUT THE CONSTRUCTION PERIOD.
3. MAINTAIN A MINIMUM SURPLUS OF 100 FEET OF EROSION CONTROL BARRIER (SILT SOCK) ON-SITE AT ALL TIMES.

LEGEND:

Table with columns: GENERAL, PROPOSED, LIMIT OF WORK, SYMBOLS. Includes symbols for BENCHMARK, BOUNDARY, EXISTING TREE, EXISTING SPOT GRADE, PROPOSED SPOT GRADE, DRAIN MANHOLE, SEWER MANHOLE, CATCHBASIN, GAS VALVE, FIRE HYDRANT, UTILITY POLE, MAIL BOX, WATER VALVE, TEST PIT, WETLAND FLAG, PROPERTY LINE, SIGN, BORDERING VEGETATED WETLAND (BWW), UNDISTURBED 35' BUFFER TO BWW, UNDISTURBED 50' BUFFER TO BWW, 100' BUFFER TO BWW.

Project information block including: Revisions table, Project Number: 22108, Sheet: 2 of 7, Date: JANUARY 3, 2025, and logos for Horsley Witten Group, Inc. and the Commonwealth of Massachusetts Professional Engineer seal for Richard A. Clayton.

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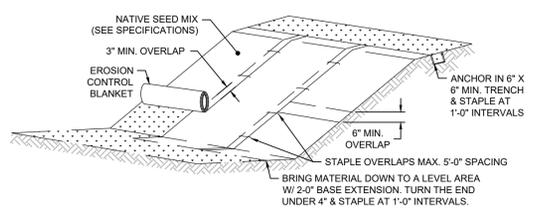


**SURVEY NOTES:**  
 1. THE TOPOGRAPHY AND EXISTING SITE CONDITIONS HEREON WERE TAKEN FROM THE SURVEY PLAN ENTITLED "EXISTING CONDITIONS PLAN" BY HORSLEY WITTEN GROUP, INC. DATED FEBRUARY 15, 2024.

**SOIL TEST PIT DATA**

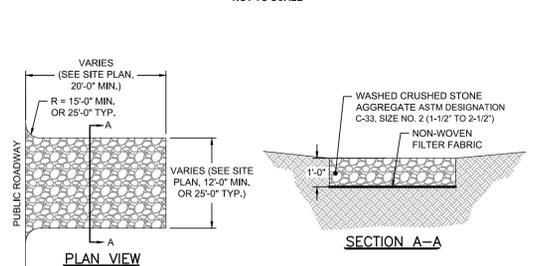
PERFORMED BY M. LEHMAN  
 HORSLEY WITTEN GROUP, INC  
 JANUARY 3, 2024

TP 1	
0"	11.2
A	10YR 3/2 MEDIUM SAND
4"	10.9
E	10YR 2/1 SANDY LOAM
18"	9.7
B	10YR 3/6 MEDIUM SAND
42"	7.7
C	10YR 8/1 COARSE SAND
75"	5.0
NO MOTTLING STANDING WATER @ EL. 6.0	



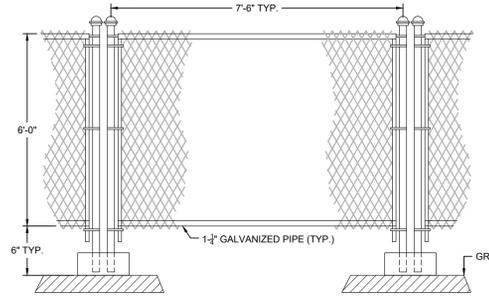
**NOTES:**  
 1. EROSION CONTROL BLANKET WILL BE ALL NATURAL MATERIAL SUITABLE FOR TEMPORARY STABILIZATION - NORTH AMERICAN GREEN BONNET S1558N OR APPROVED EQUIVALENT.  
 2. SLOPE SURFACE WILL BE SMOOTH BEFORE PLACEMENT FOR PROPER SOIL CONTACT.  
 3. STAPLING PATTERN AS PER MANUFACTURER'S RECOMMENDATIONS.  
 4. DO NOT STRETCH BLANKETS/TIGHTENING TIGHT. ALLOW THE ROLLS TO MOLD TO ANY IRREGULARITIES.  
 5. FOR SLOPES FLATTER THAN 3H:1V, ROLLS MAY BE PLACED IN HORIZONTAL STRIPS.  
 6. LIME, FERTILIZE & SEED BEFORE INSTALLATION. PLANTING OF SHRUBS, TREES, ETC. SHOULD OCCUR AFTER INSTALLATION.

**EROSION CONTROL BLANKET**  
 NOT TO SCALE



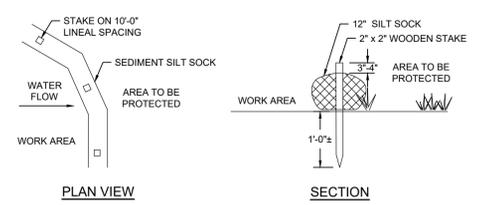
**NOTES:**  
 1. STONE CONSTRUCTION ENTRANCE(S) WILL REMAIN UNTIL INSTALLATION OF PAVEMENT SUB-BASE IS SET TO BEGIN.  
 2. SEE SITE PLAN FOR LOCATION & ACTUAL DIMENSIONS

**STONE CONSTRUCTION ENTRANCE**  
 NOT TO SCALE



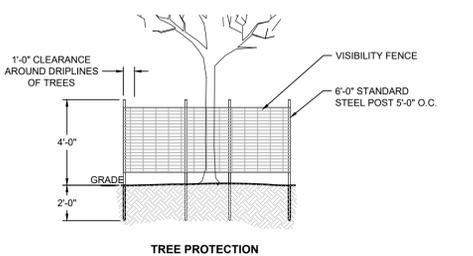
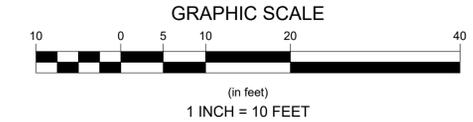
**NOTES:**  
 1. TEMPORARY PLASTIC FENCE STAND WILL BE FILLED WITH SAND/CONCRETE OR GALVANIZED RECTANGULAR PIPE BASE.

**TEMPORARY CONSTRUCTION FENCE**  
 NOT TO SCALE

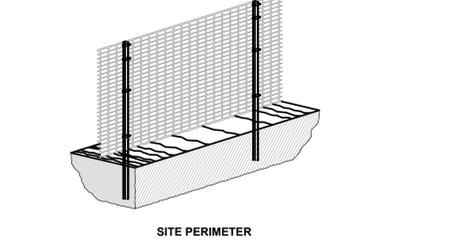


**NOTES:**  
 1. SILT SOCK: SILT SOCK ORIGINAL EXTREME, NATURAL ORIGINAL, NATURAL ORIGINAL PLUS+ WITH ALL NATURAL BIODEGRADABLE COTTON FIBER OR MULTIFILAMENT POLYPROPYLENE (MIFPP) MANUFACTURED BY FILTREXX (WWW.FILTREXX.COM) OR APPROVED EQUIVALENT.  
 2. ALL MATERIAL TO MEET MANUFACTURER'S SPECIFICATIONS.  
 3. SEDIMENT SILT SOCK TO BE FILLED WITH LOCALLY SOURCED FILTER MEDIA (LEAF COMPOST AND/OR WOODY MULCH) PER MANUFACTURER'S REQUIREMENTS.  
 4. FOLLOWING CONSTRUCTION AND SITE STABILIZATION, COMPOST MATERIAL TO BE REMOVED OR DISPERSED ON SITE, AS APPROVED BY THE OWNER AND/OR ENGINEER.

**SEDIMENT SILT SOCK**  
 NOT TO SCALE



**NOTES:**  
 1. FENCING SHALL BE ORANGE RESINET SM60 BARRIER FENCE "SNOW FENCE" OR APPROVED EQUIVALENT.  
 2. POST SHALL BE HOT ROLLED RAIL STEEL AND FORMED INTO A "T". DIMENSIONS OF "T" POST SECTION, APPROXIMATELY 1 7/16" X 1 5/16" X 1 1/8" X 6' (SIX FEET) LONG. THE POST SHALL BE PAINTED GREEN OR GALVANIZED.  
 3. THE FENCING SHALL REMAIN IN PLACE UNTIL ALL EXCAVATION HAS BEEN COMPLETED AND THE SURFACE HAS BEEN RE-ESTABLISHED.  
 4. VISIBILITY FENCE TO BE PLACED AT TREE DRIPLINES WITHIN THE LIMIT OF WORK WHERE NOTED ON PLANS.



**NOTES:**  
 1. FENCING SHALL BE ORANGE RESINET SM60 BARRIER FENCE "SNOW FENCE" OR APPROVED EQUIVALENT.  
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**VISIBILITY FENCE**  
 NOT TO SCALE

**Revisions**

Rev.	Date	By	Asst.	Description

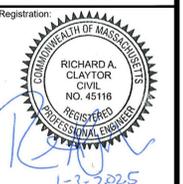
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 Drawn By: CSJ  
 Designated By: CLK  
 Title: JANUARY 3, 2025

**Horsley Witten Group, Inc.**  
 Sustainable Environmental Solutions  
 90 Route 6A, Unit 1  
 South Yarmouth, MA 02563  
 Phone: (508) 833-6600  
 Fax: (508) 833-3150

Plan Set:  
**CURVE HILL ROAD  
 CONSTRUCTED WETLAND  
 SOUTH YARMOUTH, MASSACHUSETTS**

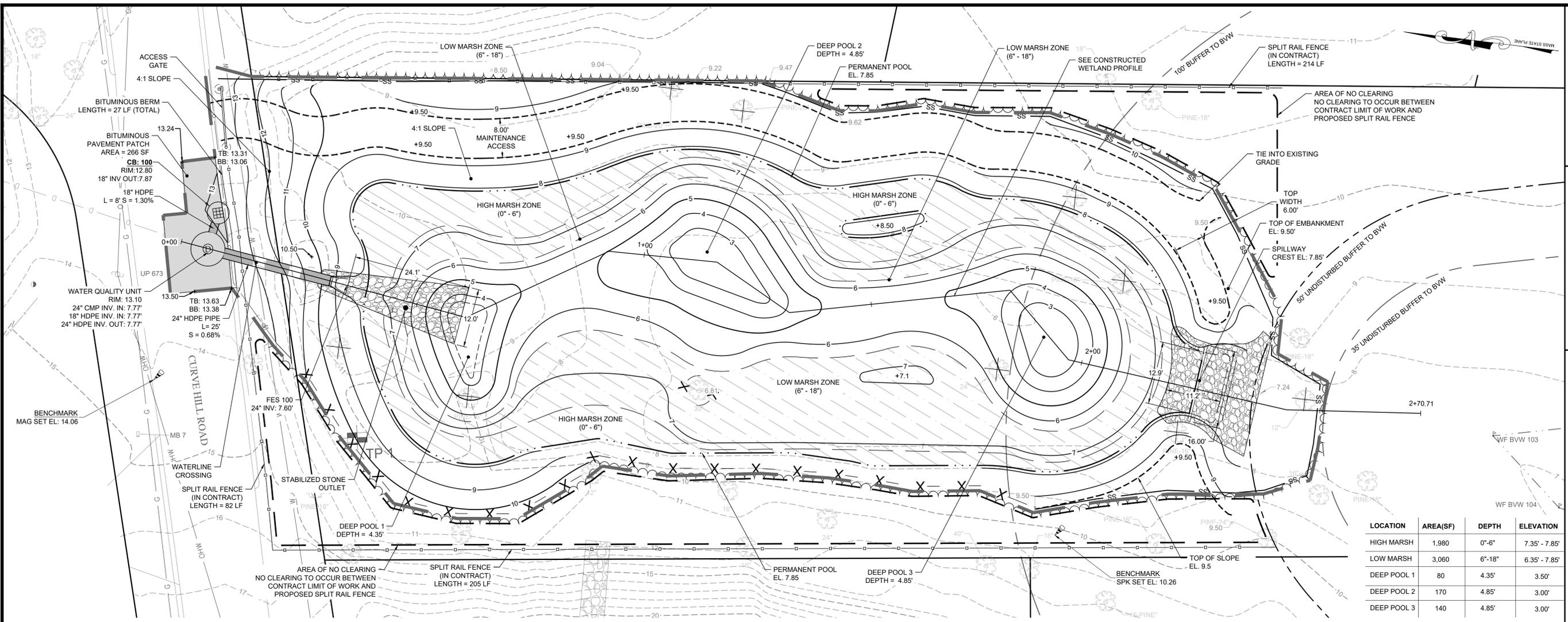
Prepared For:  
**Town of Yarmouth  
 DPW**  
 74 Town Brook Road  
 West Yarmouth, MA 02573  
 Phone: (508) 398-2231 ext. 1250

Survey Provided By:  
**Horsley Witten Group, Inc.**  
 90 Route 6A  
 South Yarmouth, MA 02563  
 Phone: 508-833-6600  
 Fax: 508-833-3150  
 Dated: January 1, 2024

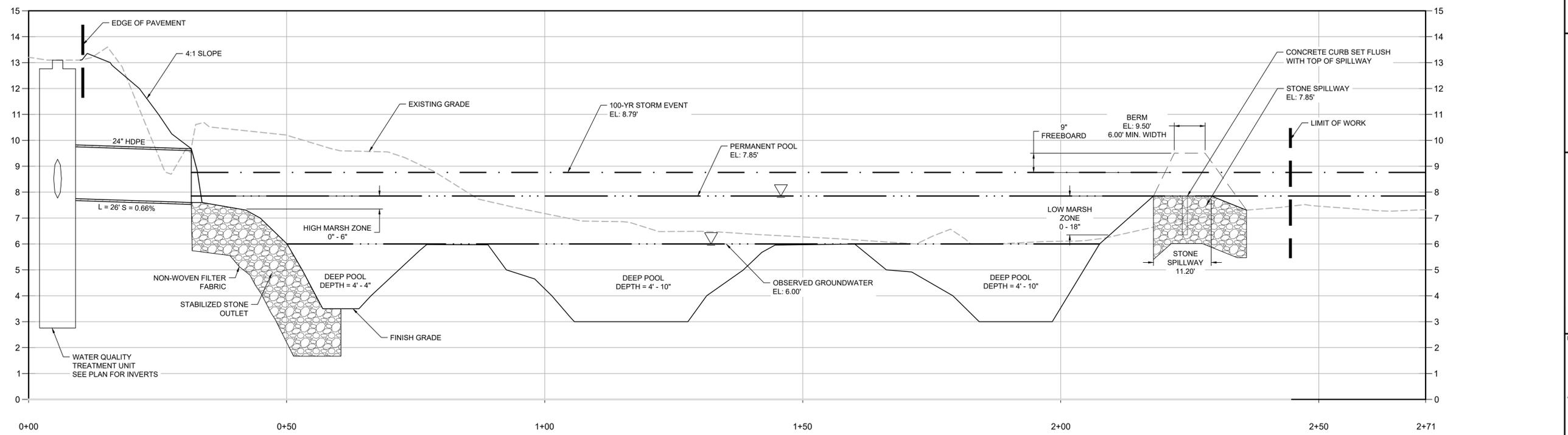
Registration:  


Project Number: 22108  
 Sheet: 3 of 7  
 Sheet Number: C-3

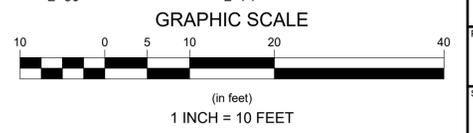
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LOCATION	AREA(SF)	DEPTH	ELEVATION
HIGH MARSH	1,980	0'-6"	7.35' - 7.85'
LOW MARSH	3,060	6'-18"	6.35' - 7.85'
DEEP POOL 1	80	4.35'	3.50'
DEEP POOL 2	170	4.85'	3.00'
DEEP POOL 3	140	4.85'	3.00'



**CONSTRUCTED WETLAND PROFILE**  
 HORIZONTAL SCALE: 1" = 10'  
 VERTICAL SCALE: 1" = 2'



**Revisions**

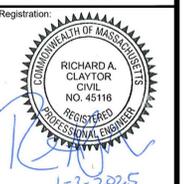
Rev	Date	By	Appr	Description

**Horsley Witten Group, Inc.**  
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 90 Route 6A  
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 Phone: 508-833-6600  
 Fax: 508-833-3150

**CURVE HILL ROAD  
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 SOUTH YARMOUTH, MASSACHUSETTS**

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Registration:  


Project Number:  
 22108

Sheet:  
 4 of 7

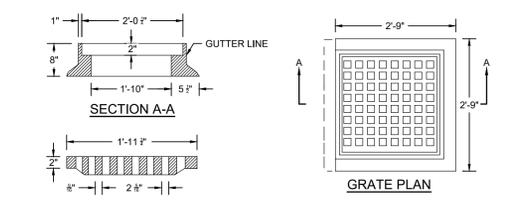
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**C - 4**

- CONSTRUCTION SPECIFICATIONS FOR CONSTRUCTED WETLAND SYSTEMS**
1. MATERIAL SPECIFICATIONS  
THE ALLOWABLE MATERIALS TO BE USED IN THE CONSTRUCTED WETLAND AREA ARE DETAILED IN TABLE 1.
2. **PLANTING SOIL** - THE PLANTING SOIL SHOULD BE AN APPROVED HIGH ORGANIC CONTENT MEDIUM TEXTURED LOAM OR SANDY CLAY LOAM, FREE OF STONES, STUMPS, ROOTS OR OTHER SIMILAR OBJECTS LARGER THAN TWO INCHES. NO OTHER MATERIALS OR SUBSTANCES SHOULD BE MIXED OR DUMPED WITHIN THE CONSTRUCTED WETLAND AREA THAT MAY BE HARMFUL TO PLANT GROWTH, OR PROVE A HINDRANCE TO THE PLANTING OR MAINTENANCE OPERATIONS. THE PLANTING SOIL SHOULD BE FREE OF NOXIOUS WEEDS.
3. **FACILITY BACKFILLING** - WHEN BACKFILLING THE CONSTRUCTED WETLAND OR ASSOCIATED BERM, PLACE SUBGRADE SOIL IN LIFTS 12" OR GREATER. PLACE A MINIMUM OF 4" OF PLANTING SOIL ABOVE SUBGRADE SOIL FOR PROMOTING PLANT GROWTH. HEAVY EQUIPMENT CAN BE USED AROUND THE PERIMETER OF THE BASIN TO SUPPLY SOIL. GRADE CONSTRUCTED WETLAND MATERIALS WITH LIGHT EQUIPMENT SUCH AS A COMPACT LOADER OR A DOZER/LOADER WITH MARSH TRACKS. SATURATE PLANTING SOIL AFTER PLANTING AND ALLOW TO SETTLE FOR AT LEAST ONE WEEK PRIOR TO INSTALLING PLANT MATERIAL.
4. **PLANT INSTALLATION** - SEE LANDSCAPE PLANS.
5. **MISCELLANEOUS** - THE CONSTRUCTED WETLAND FACILITY MAY NOT BE CONSTRUCTED UNTIL ALL CONTRIBUTING DRAINAGE AREAS HAVE BEEN STABILIZED, AND SHALL REMAIN OFFLINE AND NOT OPERATIONAL UNTIL ALL VEGETATION IS INSTALLED.

**CONSTRUCTED WETLAND FACILITY OPERATION & MAINTENANCE:**

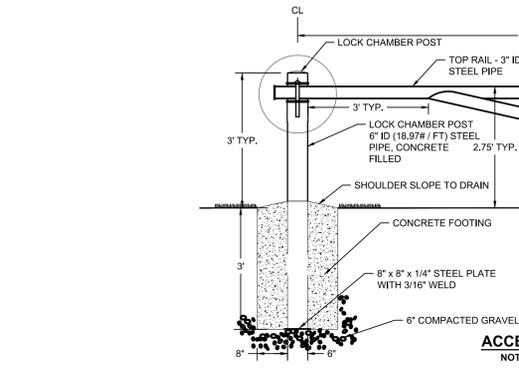
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSPECTION AND MAINTENANCE OF THE CONSTRUCTED WETLAND AND ALL ASSOCIATED APPURTENANCES UNTIL SUCH TIME THAT THE FACILITIES ARE ACCEPTED BY THE OWNER.
2. ALL SEDIMENT AND DEBRIS SHALL BE DISPOSED OF PROPERLY IN A PRE-APPROVED LOCATION AS APPROVED BY THE TOWN.
3. THE CONSTRUCTED WETLAND FACILITIES SHALL BE INSPECTED BY THE CONTRACTOR AFTER EVERY MAJOR RAINFALL EVENT FOR THE ENTIRE DURATION OF THE CONSTRUCTION PROJECT AND THE FIRST 3-MONTHS AFTER CONSTRUCTION TO ENSURE PROPER STABILIZATION AND CONSTRUCTION.
4. SPECIFIC ANNUAL MAINTENANCE SHALL BE AS FOLLOWS:
- A. **DRAINAGE STRUCTURES (INLETS, OUTLETS, SPILLWAYS, MANHOLES, CATCHBASINS, ETC):** ALL DRAINAGE STRUCTURES WILL BE INSPECTED ANNUALLY TO MONITOR FOR PROPER OPERATION, COLLECTION OF LITTER OR TRASH, AND STRUCTURAL DETERIORATION. THE BASINS WILL BE CLEANED OF SEDIMENT (INCLUDING SUMP) AS NECESSARY, AND REPAIRED WHEN REQUIRED.
- B. **STONE PROTECTION:** STONE TREATMENT AT THE OUTFALLS OR INFLOW POINTS WILL BE INSPECTED ANNUALLY AND REPAIRED AS NECESSARY.
- C. **ROUTINE MAINTENANCE:** OTHER ROUTINE MAINTENANCE WILL INCLUDE REMOVAL OF TRASH AND LITTER FROM PAVED AND PERIMETER AREAS, AND ANNUAL STREET/PARKING LOT SWEEPING AFTER THE SPRING THAW TO AVOID EXCESSIVE ACCUMULATION OF SEDIMENT IN THE DRAINAGE SYSTEM. THE PIPES DRAINING THE PUMP WILL BE INSPECTED ANNUALLY FOR PROPER FLOW.
- D. **VEGETATION:** VEGETATION WILL BE INSPECTED ANNUALLY TO ENSURE ADEQUATE PLANT GROWTH AND TO REMOVE INVASIVE SPECIES. DEAD OR DYING PLANTS WILL BE REPLACED AS NECESSARY. HARVESTING OF DEAD PLANT MATERIAL IS NOT REQUIRED.

NOTE: OPERATION AND MAINTENANCE CHECKLIST AVAILABLE UPON REQUEST

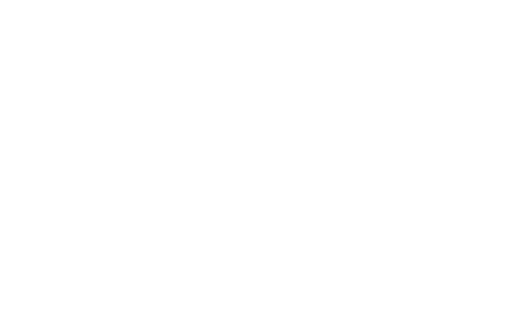


- NOTES:
- BASED ON EAST JORDAN IRON WORKS 2'-0" X 2'-0" ECONOMY GRATE.
  - GRATE MATERIAL: DUCTILE IRON.

**DRAINAGE STRUCTURE FRAME & GRATE**  
NOT TO SCALE



**ACCESS GATE**  
NOT TO SCALE



**WATER QUALITY UNIT (CASCADe CS-6)**  
NOT TO SCALE

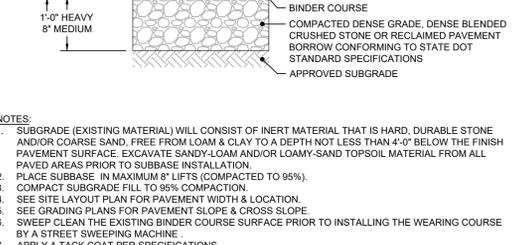
**CONSTRUCTED WETLAND CONSTRUCTION SEQUENCE AND REQUIRED INSPECTIONS**

- PRECONSTRUCTION MEETING.
- INSTALLATION OF EROSION AND SEDIMENT CONTROL PRACTICES.
- CLEAR/GRUB PROPOSED DISTURBED AREA.
- ROUGH GRADE CONSTRUCTED WETLAND AREAS DURING GENERAL SITE GRADING.
- INSTALL STABILIZED OVERFLOW OUTLET STRUCTURE PER DETAILS.
- GRADE AND STABILIZE ALL CONTRIBUTORY DRAINAGE AREAS TO THE CONSTRUCTED WETLAND FACILITY.
- OVER EXCAVATE CONSTRUCTED WETLAND AREAS TO 4 INCHES BELOW PROPOSED GRADES.
- INSTALL INFLOW DRAINAGE SYSTEM AS SHOWN IN DETAILS (PIPE, CHANNEL, ETC). SEE NOTES ON SHEET C-2 AND DETAILS FOR INSTALLATION PROCEDURES.
- DUE TO THE NATIVE SANDY SOILS, TO AVOID DESTABILIZATION OF CONSTRUCTED WETLAND SLOPES, CONTRACTOR TO TEMPORARILY GRADE SLOPES AT 4:1 UNTIL WETLAND CELLS ARE READY FOR FINAL GRADING.
- INSTALL SILT SOCK ALONG THE CONSTRUCTED WETLAND PERIMETER TO PREVENT SEDIMENT FROM WASHING INTO THE BASINS FROM DISTURBED AREAS AROUND THE FACILITY.
- CONSTRUCT ALL BERMS AND SPILLWAYS AS SHOWN IN THE DETAILS.
- COMPLETE FINAL GRADING PER PLANS (3, 1). INSTALL 4 INCHES OF ORGANIC PLANTING SOIL AS SHOWN IN THE DETAILS (UN-COMPACTED). SEE PLANTING SOIL SPECIFICATIONS. THE CONTRACTOR MUST SUBMIT A SOIL SAMPLE (1 GALLON) TO THE ENGINEER PRIOR TO SOIL DELIVERY TO THE SITE.
- STABILIZE ALL REMAINING DISTURBED AREAS AROUND FACILITY BY SEEDING, HYDROSEEDING OR OTHER EROSION CONTROL METHODS AS OUTLINED IN THE PLANS AND DETAILS. MANDATORY INSPECTION REQUIRED SEE NOTE (3) BELOW.
- INSTALL WETLAND PLANTS AS SHOWN IN PLANTING PLANS AND DETAILS. NO PLANTING SHOULD OCCUR BEFORE REMAINING DISTURBED AREAS AROUND THE FACILITY(IES) ARE STABILIZED. THE CONTRACTOR WILL BE REQUIRED TO REMOVE ANY SEDIMENT WHICH WASHES INTO THE CONSTRUCTED WETLAND AREA DURING THE CONSTRUCTION AND PLANTING PHASES. IF SUITABLE VEGETATIVE COVER HAS NOT BEEN ESTABLISHED ALONG THE CONSTRUCTED WETLAND SLOPES PRIOR TO PLANTING, A SILT FENCE PERIMETER SHALL BE INSTALLED AT THE TOE OF THE CONSTRUCTED WETLAND SLOPES AND REMAIN IN PLACE UNTIL VEGETATIVE COVER IS ESTABLISHED. MANDATORY INSPECTION REQUIRED SEE NOTE (3) BELOW.
- INSTALL REMAINING PLANTING SOIL AROUND PLANTS AS SHOWN IN DETAILS.
- REMOVE REMAINING EROSION AND SEDIMENT CONTROLS ONLY AFTER SURROUNDING EXPOSED SOIL AREAS HAVE BEEN PROPERLY STABILIZED. MANDATORY INSPECTION REQUIRED SEE NOTE (3) BELOW.

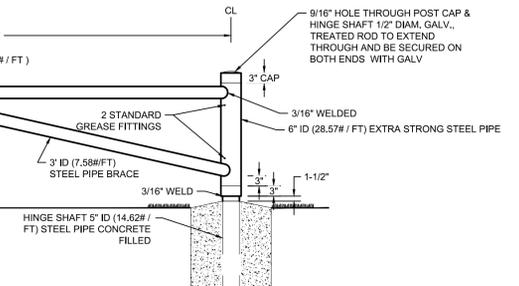
- NOTES:
- SEE GENERAL CONSTRUCTION NOTES FOR OVERALL CONSTRUCTION SEQUENCE.
  - SEE GENERAL NOTES/SPECIFICATIONS/CONSTRUCTION DETAILS FOR DETAILED CONSTRUCTION REQUIREMENTS.
  - MANDATORY NOTIFICATION/APPROVAL OF THE PROJECT ENGINEER IS REQUIRED PRIOR TO PROCEEDING WITH NEXT STAGE. CALL THE ENGINEER (HORSLEY WITTEN GROUP, INC.) AT 508-833-6600 PRIOR TO 12:00 NOON THE PRECEDING DAY TO ARRANGE FOR INSPECTION.



**SECTION B-B SPILLWAY**  
NOT TO SCALE



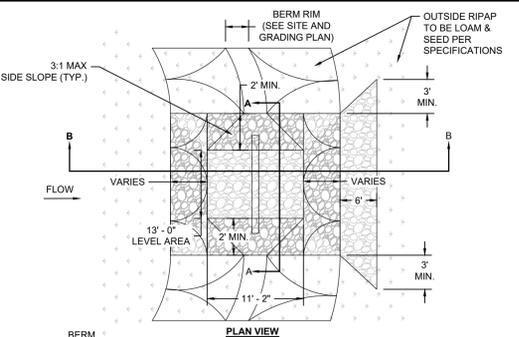
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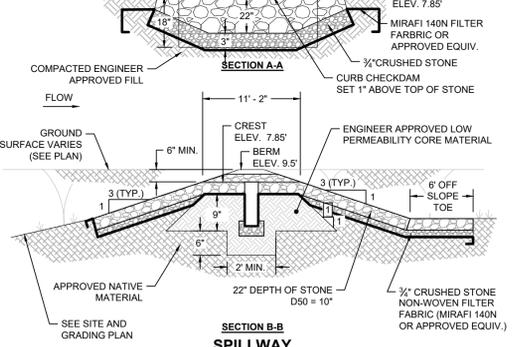
**DEWATERING BAG (ALT)**  
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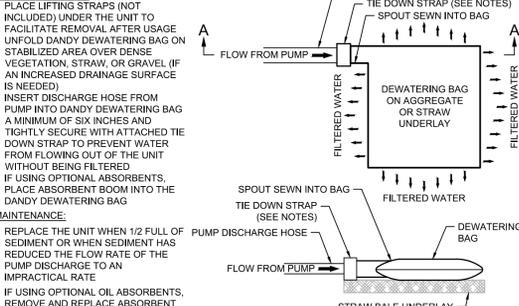
**DEWATERING CONTAINMENT AREA DETAIL**  
NOT TO SCALE



**BERM RIM**  
NOT TO SCALE

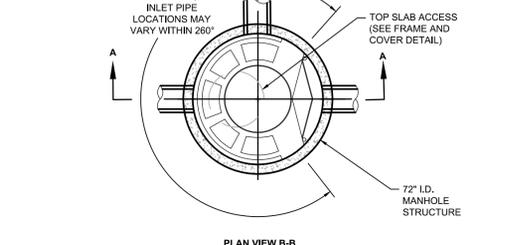


**BITUMINOUS BERM**  
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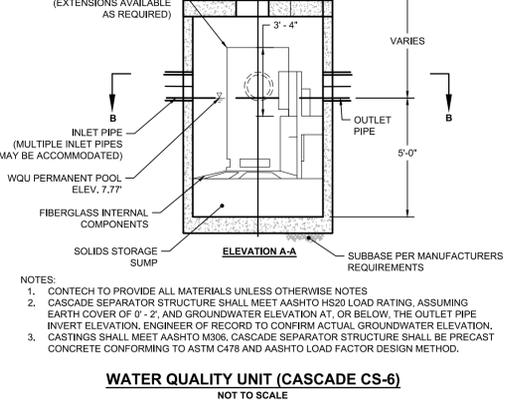


**SECTION A-A**  
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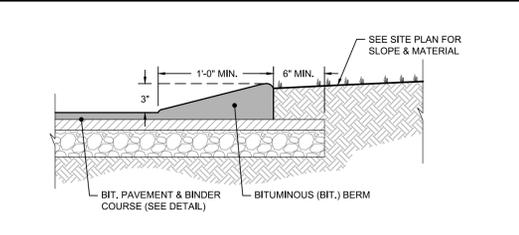
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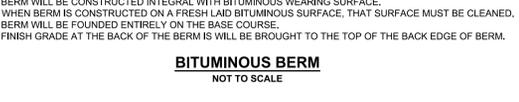
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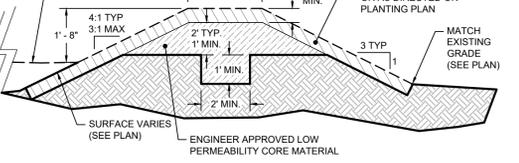
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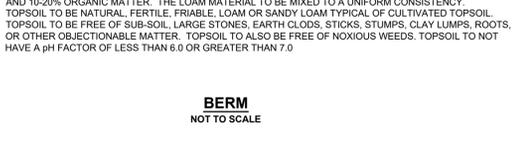
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NOT TO SCALE



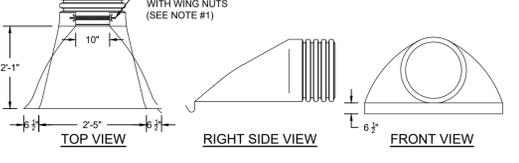
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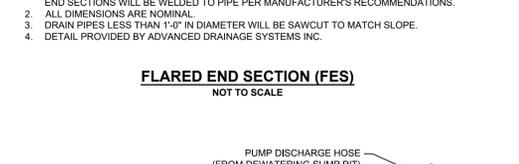
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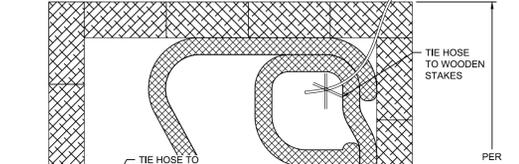
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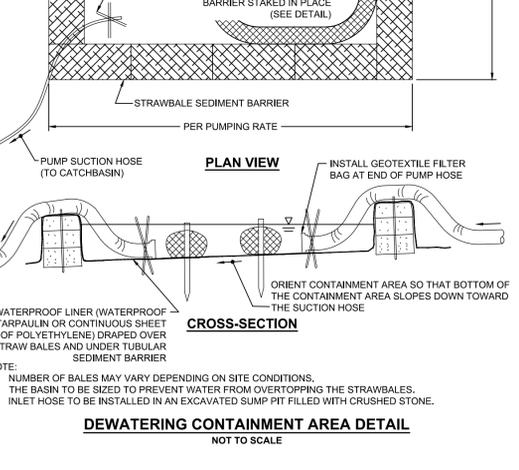
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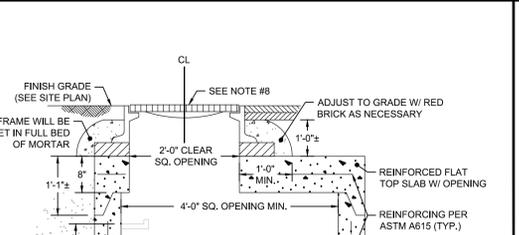
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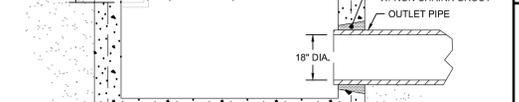
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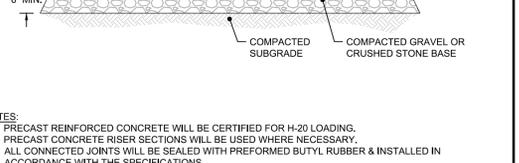
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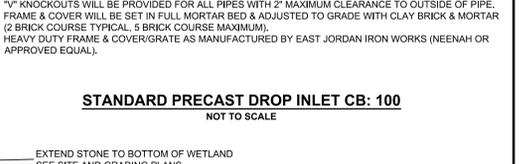
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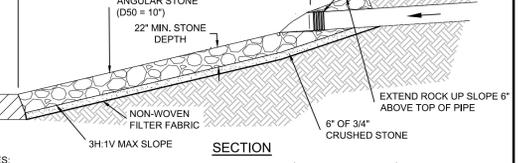
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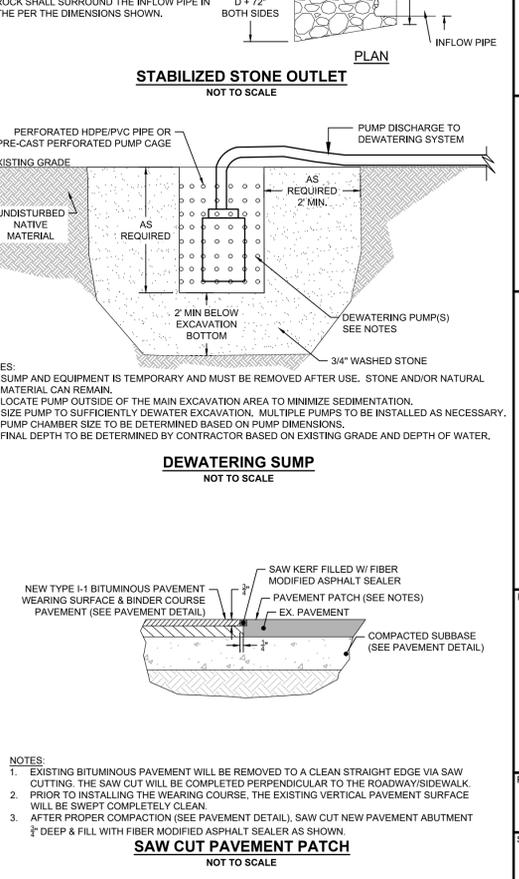
**DEWATERING SUMP**  
NOT TO SCALE



**DEWATERING CONTAINMENT AREA DETAIL**  
NOT TO SCALE



**SAW CUT PAVEMENT PATCH**  
NOT TO SCALE



**DEWATERING CONTAINMENT AREA DETAIL**  
NOT TO SCALE

**Revisions**

No.	Date	By	Description
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**Horsley Witten Group, Inc.**  
Sustainable Environmental Solutions  
90 Route 6A, Unit 1  
Sandwich, MA 02563  
Phone: (508) 833-6600  
Fax: (508) 833-3190

**Town of Yarmouth**  
DPW  
74 Town Brook Road  
West Yarmouth, MA 02673  
Phone: (508) 398-2311 ext. 1250  
Fax: ---

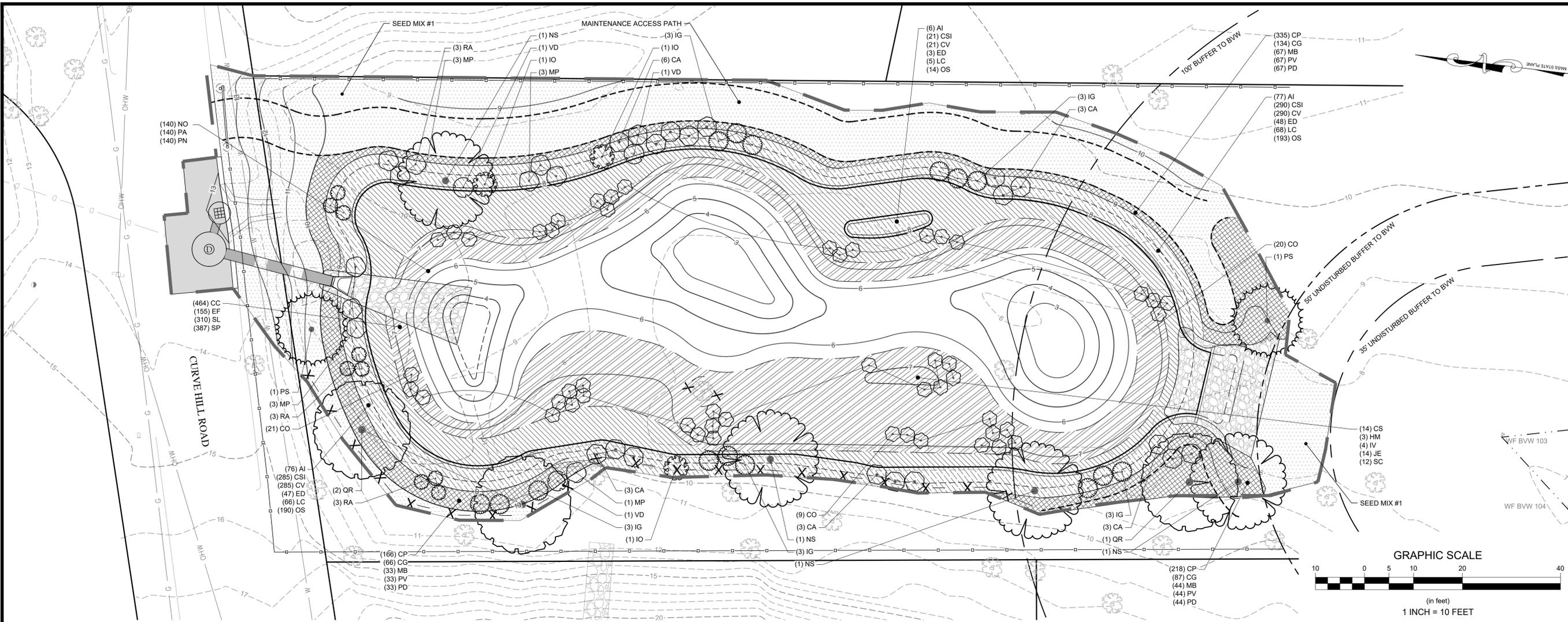
**Horsley Witten Group, Inc.**  
90 Route 6A  
Sandwich, MA 02566  
Phone: 508-833-6600  
Fax: 508-833-3150  
Date: January 1, 2024

**Registration:**  
RICHARD A. CLAYTOR  
No. 45116  
REGISTERED PROFESSIONAL ENGINEER

Project Number: 22108  
Sheet: 5 of 7  
Sheet Number: C - 5

last modified: 12/16/24  
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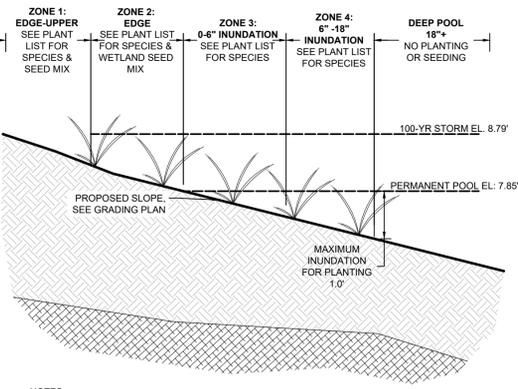
**PLANT SCHEDULE**

CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE
<b>TREES</b>				
NS	4	Nyssa sylvatica	Tupelo	2" Cal.
PS	2	Pinus strobus	White Pine	2" Cal.
QR	3	Quercus rubra	Northern Red Oak	2" Cal.
<b>SHRUBS</b>				
CO	50	Cephalanthus occidentalis	Buttonbush	#1 36" o.c.
CA	18	Clethra alnifolia	Summersweet	#5 48" o.c.
IG	15	Ilex glabra	Inkberry Holly	#5 48" o.c.
IO	3	Ilex opaca	American Holly	#7 60" o.c.
MP	10	Myrica pensylvanica	Northern Bayberry	#5 48" o.c.
RA	9	Rhus aromatica	Fragrant Sumac	#3 36" o.c.
VD	3	Viburnum dentatum	Viburnum	#5 48" o.c.

- NOTES:**
- ALL TREES TO BE BALL AND BURLAP.
  - PLANT SPACING PER SCHEDULE OR AS SHOWN ON PLANS.

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING
<b>GROUND COVERS</b>						
[Symbol]	CP	719	Carex pensylvanica	Pennsylvania Sedge	Plugs	50% @ 12" o.c.
[Symbol]	CG	287	Chelone glabra	White Turtlehead	Plugs	20% @ 12" o.c.
[Symbol]	MB	144	Monarda fistulosa	Bergamot	Plugs	10% @ 12" o.c.
[Symbol]	PV	144	Panicum virgatum	Switch Grass	Plugs	10% @ 12" o.c.
[Symbol]	PD	144	Penstemon digitalis	Beardtongue	Plugs	10% @ 12" o.c.
[Symbol]	ZONE 1 (UPPER EDGE) - UPL					
[Symbol]	1,912 sf ZONE 2 (EDGE) - FACU/FAC					
[Symbol]	AI	159	Asclepias incarnata	Swamp Milkweed	Plugs	8% @ 12" o.c.
[Symbol]	CSI	596	Carex stipata	Awl-fruited Sedge	Plugs	30% @ 12" o.c.
[Symbol]	CV	596	Carex vulpinoidea	Fox Sedge	Plugs	30% @ 12" o.c.
[Symbol]	ED	99	Eutrochium dubium	Joe Pye Weed	Plugs	5% @ 12" o.c.
[Symbol]	LC	139	Lobelia cardinalis	Cardinal Flower	Plugs	7% @ 12" o.c.
[Symbol]	OS	397	Onoclea sensibilis	Sensitive Fern	Plugs	20% @ 12" o.c.
[Symbol]	ZONE 3 (0-6" DEPTH) - FAC/FACW					
[Symbol]	CS	653	Carex stricta	Tussock Sedge	Plugs	30% @ 12" o.c.
[Symbol]	HM	152	Hibiscus moscheutos	Rose Mallow	Plugs	7% @ 12" o.c.
[Symbol]	IV	174	Iris versicolor	Blue Flag	Plugs	8% @ 12" o.c.
[Symbol]	JE	653	Juncus effusus	Soft Rush	Plugs	30% @ 12" o.c.
[Symbol]	SC	545	Scirpus cyperinus	Wool Grass	Plugs	25% @ 12" o.c.
[Symbol]	ZONE 4 (6-18" DEPTH) - OBL					
[Symbol]	CC	464	Carex comosa	Longhair Sedge	Plugs	15% @ 12" o.c.
[Symbol]	EF	155	Equisetum fluviatile	Horsetail Reed Grass	Plugs	5% @ 12" o.c.
[Symbol]	SL	310	Sagittaria latifolia	Broadleaf Arrowhead	Plugs	10% @ 12" o.c.
[Symbol]	SP	387	Schoenoplectus pungens	Common Threesquare	Plugs	12.5% @ 12" o.c.
[Symbol]	SUBMERGED PLANTS (6"-18" DEPTH) - OBL					
[Symbol]	NO	140	Nymphaea odorata	Fragrant Water Lily	Tubers	4.5% @ 12" o.c.
[Symbol]	PA	140	Persicaria amphibia	Water Smartweed	Plugs	4.5% @ 12" o.c.
[Symbol]	PN	140	Potamogeton nodosus	Long Leaf Pondweed	Rhizomes	4.5% @ 12" o.c.

- PLANTING LAYOUT NOTES:**
- FOR AREAS WITH MIXED PERENNIALS AND/OR GRASSES (SHOWN AS HATCHED AREAS ON PLANS), DO NOT PLANT IN A PATTERN OR WITH LARGE AREAS OF THE SAME SPECIES. RANDOMLY PLANT AS INDICATED ON THE PLANTING PLANS INTO SMALL GROUPINGS OF THE SAME SPECIES TO CREATE A MORE NATURALISTIC APPEARANCE. PLANT THE SAME PLANT SPECIES IN GROUPS OF 5-7 AND NOT LARGER THAN 7, DEPENDING ON THE OVERALL NUMBER OF PLANTINGS.
  - SUBMERGED & ZONE 4 PLANTS TO BE PLANTED WITHIN 12" DEPTH OF PERMANENT POOL AND SO THAT A MINIMUM OF 1/4 OF ALL EMERGENT VEGETATION IS ABOVE WATER. THESE PLANTS WILL NATURALIZE INTO DEEPER AREAS.



NOTES:  
1. ALL PLANTS TO BE FIELD LOCATED BASED ON INUNDATION LEVEL AFTER EDGE OF CONSTRUCTED WETLAND HAS BEEN GRADED.

**PLANTING SECTION (INUNDATION LEVEL)**  
NOT TO SCALE

**Revisions**

Rev	Date	By	Appr	Description
1				
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3				
4				
5				

**Horsley Witten Group, Inc.**  
Sustainable Environmental Solutions  
90 Route 6A, Unit 1  
Sandwich, MA 02563  
508-833-6600 phone  
508-833-3150 fax

Drawn By: KJK  
Checked By: MBE  
Date: JANUARY 3, 2025

**CURVE HILL ROAD  
CONSTRUCTED WETLAND  
SOUTH YARMOUTH, MASSACHUSETTS**

Plan Set:  
**PLANTING PLAN**

Prepared For:  
**Town of Yarmouth  
DPW**  
74 Town Brook Road  
West Yarmouth, MA 02673  
Phone: (508) 398-2231 ext. 1250

Survey Provided By:  
**Horsley Witten Group, Inc.**  
90 Route 6A  
Sandwich, MA 02563  
Phone: 508-833-6600  
Fax: 508-833-3150  
Dated: January 1, 2024



Project Number: 22108  
Sheet: 6 of 7

Sheet Number:  
**L - 1**

**GENERAL PLANTING NOTES:**

- THE FOLLOWING NOTES ARE PROVIDED AS GENERAL PLANTING GUIDELINES ONLY. THOROUGHLY REVIEW THE PROJECT SPECIFICATIONS FOR ALL LANDSCAPE REQUIREMENTS PRIOR TO THE COMMENCEMENT OF ANY LANDSCAPE WORK. SUBMIT IN WRITING TO THE LANDSCAPE ARCHITECT ANY QUESTIONS OR CLARIFICATIONS REQUIRED AT A MINIMUM OF 30 DAYS PRIOR TO ORDERING ANY MATERIALS OR BEGINNING ANY LANDSCAPE CONSTRUCTION.
- SUBMIT TO THE LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL ALL REQUIRED LANDSCAPE SUBMITTALS AS DESCRIBED IN THE SPECIFICATIONS INCLUDING A PLANT LIST WITH PLANT SIZE AND QUANTITIES TO BE ORDERED PRIOR TO DELIVERY TO THE PROJECT SITE.
- FURNISH AND INSTALL ALL PLANTS AS SHOWN ON THE DRAWINGS AND IN THE SIZE AND QUANTITIES SPECIFIED ON THE PLANTING SCHEDULE. PLANT SUBSTITUTION SELECTION MUST BE APPROVED BY BIOLOGIST OR LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
- ALL PLANTS TO COMPLY WITH APPLICABLE REQUIREMENTS OF ANSI Z60.1 "AMERICAN STANDARD FOR NURSERY STOCK" LATEST EDITION, PUBLISHED BY THE AMERICAN NURSERY AND LANDSCAPE ASSOCIATION INC.
- PLANTS TO BE GROWN UNDER CLIMATIC CONDITIONS SIMILAR TO THOSE IN THE LOCALITY OF THE PROJECT FOR AT LEAST TWO (2) YEARS. USE HEALTHY NURSERY GROWN PLANTS THAT HAVE A WELL DEVELOPED ROOT SYSTEM. PLANTS MUST BE FREE OF DISEASE, INSECTS, EGGS OR LARVAE.
- INSTALL PLANTS WITHIN ONE (1) WEEK OF PURCHASE. IF PLANTS ARE TO BE STORED AT THE SITE PRIOR TO PLANTING, IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THEY ARE PROPERLY MAINTAINED, WATERED, AND REMAIN HEALTHY.
- PROCEED WITH PLANTING ONLY WHEN EXISTING AND FORECASTED WEATHER CONDITIONS PERMIT. SUBMIT TO THE LANDSCAPE ARCHITECT IN WRITING THE PROPOSED PLANTING SCHEDULE. OBTAIN APPROVAL OF PLANTING SCHEDULE FROM THE LANDSCAPE ARCHITECT PRIOR TO PERFORMING ANY WORK.
- SEASONS FOR PLANTING:
 

SPRING:	DECIDUOUS:	APRIL 1 TO JUNE 15
	EVERGREEN:	APRIL 1 TO JUNE 15
	PERENNIALS:	APRIL 15 TO JUNE 1
	GROUNDCOVERS:	APRIL 15 TO JUNE 1
- PLANTING UNDER FROZEN CONDITIONS WILL NOT BE PERMITTED. PLANTING BEFORE OR AFTER THE ABOVE REFERENCED PLANTING DATES WILL INCREASE THE LIKELIHOOD OF PLANT ESTABLISHMENT FAILURE. ANY DEVIATION FROM THE ABOVE REFERENCED PLANTING DATES IS UNDERTAKEN AT SOLE RISK OF THE CONTRACTOR AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ANY ADDITIONAL MAINTENANCE AND WATERING WHICH MAY BE REQUIRED TO ENSURE SATISFACTORY PLANT ESTABLISHMENT.
- FURNISH ONE YEAR MANUFACTURER WARRANTY FOR TREES, PLANTS, AND GROUND COVER AGAINST DEFECTS INCLUDING DEATH AND UNSATISFACTORY GROWTH. EXCEPTIONS ARE DEFECTS RESULTING FROM LACK OF ADEQUATE MAINTENANCE OR ABNORMAL WEATHER CONDITIONS UNUSUAL FOR WARRANTY PERIOD. THE DATE OF FINAL ACCEPTANCE OF ALL COMPLETED PLANTING WORK ESTABLISHES THE END OF INSTALLATION AND INITIAL MAINTENANCE PERIOD AND THE COMMENCEMENT OF THE GUARANTEE PERIOD.
- ALL TREES WITHIN 5'-0" OF WALKWAYS AND SIDEWALKS TO HAVE A 6'-8" STANDARD BRANCHING HEIGHT.
- INSPECT ALL AREAS TO BE PLANTED OR SEEDED PRIOR TO STARTING ANY LANDSCAPE WORK. REPORT ANY DEFECTS SUCH AS INCORRECT GRADING, INCORRECT SUBGRADE ELEVATIONS OR DRAINAGE PROBLEMS, ETC. TO THE LANDSCAPE ARCHITECT AND ENGINEER PRIOR TO BEGINNING WORK. COMMENCEMENT OF WORK INDICATES ACCEPTANCE OF SUBGRADE AREAS TO BE PLANTED, AND THE LANDSCAPE CONTRACTOR ASSUMES RESPONSIBILITY FOR ALL LANDSCAPE WORK.
- PROVIDE PROPER PREPARATION OF ALL PROPOSED PLANTED AND SEEDED AREAS PER THE NOTES AND SPECIFICATIONS.
- ALL PLANT LAYOUT AND ACTUAL PLANTING LOCATIONS ARE TO BE FIELD VERIFIED BY LANDSCAPE ARCHITECT PRIOR TO PLANTING. NOTIFY THE LANDSCAPE ARCHITECT AT A MINIMUM OF 48 HOURS IN ADVANCE PRIOR TO SCHEDULING ANY FIELD INSPECTIONS.
- BALL AND BURLAP: REMOVE BURLAP AND WIRE BASKETS FROM TOPS OF BALLS AND FROM TOP HALF OF ROOTBALL AS INDICATED ON DRAWINGS. REMOVE PALLETS, IF ANY, BEFORE SETTING.
- POTTED PLANTS: REMOVE THE PLANT FROM THE POT AND LOOSEN OR SCORE THE ROOTS BEFORE PLANTING TO PROMOTE OUTWARDS ROOT GROWTH INTO THE SOIL.
- PLUGS: PLANT UPRIGHT AND NOT AT AN ANGLE. DIG PLANTING HOLES LARGE ENOUGH AND DEEP ENOUGH TO ACCOMMODATE THE ENTIRE ROOT MASS. PLANT PLUGS WITH NO TWISTED OR BALLED ROOTS AND WITH NO ROOTS EXPOSED ABOVE THE GRADE LINE. HAND PACK THE SOIL AROUND THE ENTIRE PLUG ROOT MASS.
- DIG THE THE PLANTING HOLE TO THE SAME DEPTH AS THE ROOT BALL AND TWO TO THREE TIMES WIDER. SCORE ALL SIDES OF THE HOLE, PLACE THE PLANT IN THE HOLE SO THE TOP OF ROOT BALL IS EVEN WITH SOIL SURFACE. FILL THE HOLE HALFWAY AND THEN ADD WATER ALLOWING IT TO SEEP INTO BACK FILLED MATERIAL. BE SURE TO REMOVE ALL AIR POCKETS FROM BACK FILLED SOIL. DO NOT SPREAD SOIL ON TOP OF THE ROOTBALL. IF SOIL IS EXTREMELY POOR, REPLACE BACK FILL WITH GOOD QUALITY TOP SOIL. AMEND THE SOIL, AS NECESSARY.
- CREATE A 2" TO 4" BERM AROUND THE EDGE OF PLANTING HOLE WITH REMAINING SOIL TO RETAIN WATER.
- REMOVE ALL PLANT TAGS AND FLAGS FROM THE PLANTS.
- MULCH ALL PLANTING BEDS AS INDICATED ON DRAWINGS. UNLESS NOTED OTHERWISE, ALL PLANTS TO RECEIVE 2-3 INCHES OF MULCH. DO NOT PILE OR MOUND MULCH AROUND THE PLANT STEMS OR TRUNK.
- TRIM BROKEN AND DEAD BRANCHES FROM TREES AND SHRUBS AFTER PLANTING. NEVER CUT A LEADER.
- MINIMIZE THE USE OF FERTILIZERS AS REQUIRED FOR PLANT ESTABLISHMENT, SEE SPECIFICATIONS. DO NOT USE NITROGEN CONTAINING FERTILIZERS, PESTICIDES OR CHEMICALS DURING PLANTING AND MAINTENANCE OF THE LANDSCAPING OR LAWN AREAS. ADDITIONALLY, DO NOT USE PESTICIDES OR HERBICIDES CONTAINING INORGANIC COMPOUNDS (IOC) AS LISTED IN THE MASSACHUSETTS DRINKING WATER REGULATION (310 CMR 22.08), OR SYNTHETIC ORGANIC COMPOUNDS (SOC) OR VOLATILE ORGANIC COMPOUNDS (VOC) AS LISTED IN THE MASSACHUSETTS DRINKING WATER REGULATION (310 CMR 22.07).

**GENERAL SEEDING NOTES:**

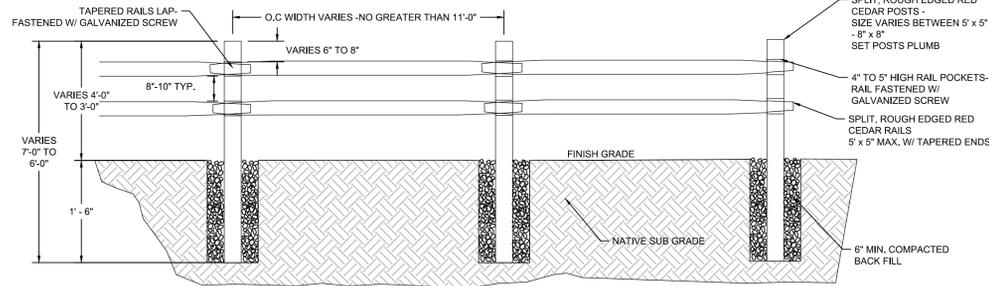
- SEND A REPRESENTATIVE SAMPLE OF THE TOPSOIL TO A TESTING LABORATORY FOR STANDARD SOIL ANALYSIS AS DESCRIBED IN THE SPECIFICATIONS. SUBMIT TO THE LANDSCAPE ARCHITECT AND ENGINEER TEST RESULTS WITH RECOMMENDED SOIL TREATMENTS TO PROMOTE PLANT AND GRASS GROWTH. CORRECT DEFICIENCIES IN THE LOAM AND STOCKPILED TOPSOIL AS DIRECTED BY THE TESTING AGENCY.
- ALL AREAS THAT ARE DISTURBED AND/OR GRADED DURING CONSTRUCTION ARE TO BE BROUGHT TO FINISHED GRADE WITH AT LEAST 4" MINIMUM DEPTH OF GOOD QUALITY LOAM AND SEEDED WITH A QUICK GERMINATING GRASS SEED SUCH AS NEW ENGLAND EROSION CONTROL RESTORATION MIX OR AS SPECIFIED ON THE PLANS.
- PRIOR TO THE PLACEMENT OF TOP SOIL, LOOSEN THE SUBGRADE OF ALL PROPOSED SEEDED AREAS TO A DEPTH OF 6" AND RAKE TO REMOVE STONES LARGER THAN 1 INCH, STICKS, ROOTS, RUBBISH AND OTHER EXTRANEIOUS MATTER AND LEGALLY DISPOSE TO AN OFF SITE LOCATION.
- DO NOT SPREAD TOPSOIL IF THE SUBGRADE IS FROZEN, EXCESSIVELY WET, COMPACTED OR NOT PROPERLY PREPARED PER THE NOTES AND SPECIFICATIONS.
- SEE SPECIFICATIONS FOR SEASONAL REQUIREMENTS FOR SEEDING.

**WATERING NOTES:**

- PROVIDE PROPER PLANT CARE, MAINTENANCE AND WATERING ON SITE UNTIL SUCH TIME AS THE LANDSCAPING IS ACCEPTED BY THE PROPERTY OWNER AS SATISFACTORY PER THE SPECIFICATIONS OR AS DETERMINED BY ANY WRITTEN AGREEMENTS BETWEEN THE CONTRACTOR AND PROPERTY OWNER.
- ESTABLISH AN APPROPRIATE WATERING SCHEDULE FOR ALL PLANT MATERIAL BASED UPON PLANT SPECIES REQUIREMENTS AND SITE CONDITIONS. PROVIDE SCHEDULE IN WRITING TO THE LANDSCAPE ARCHITECT AND OWNER FOR REVIEW AND APPROVAL. ADHERE TO THE APPROVED SCHEDULE UNTIL PLANTS ARE FULLY ESTABLISHED.
- AT A MINIMUM THE NEWLY SEEDED AREA SHOULD BE WATERED DAILY UNTIL ESTABLISHMENT AND THEN 2-3 TIMES A WEEK. IF AN IRRIGATION SYSTEM IS NOT PROVIDED, A TEMPORARY IRRIGATION SYSTEM OR HANDHELD GARDEN HOSE SHALL BE USED FOR WATERING SEEDED AREAS. THE AREA MUST BE MAINTAINED CONSISTENTLY MOIST FOR THE BEST GERMINATION RESULTS. ADDITIONAL WATERING MAY BE REQUIRED IF PLANTING AND SEEDING OCCUR OUTSIDE OF THE RECOMMENDED PLANTING SEASONS.

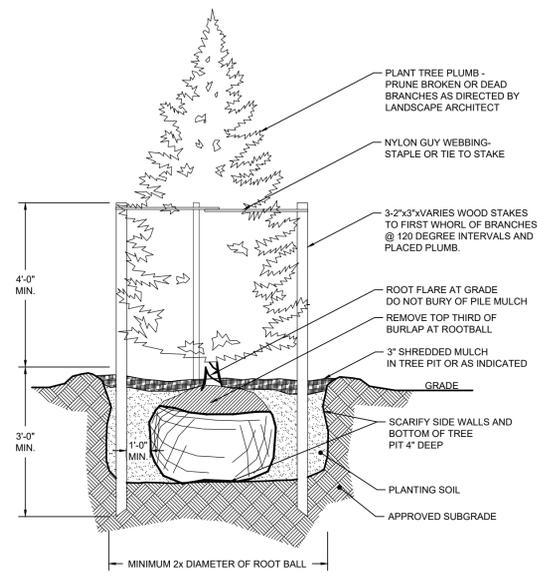


**CONSERVATION AREA SIGN**  
NOT TO SCALE

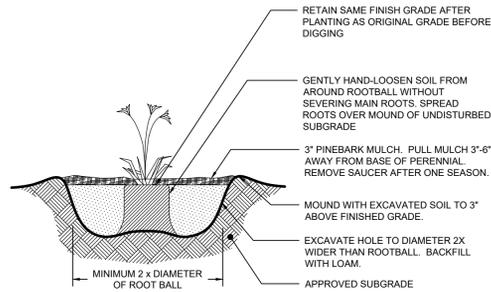


**SPLIT RAIL FENCE**  
NOT TO SCALE

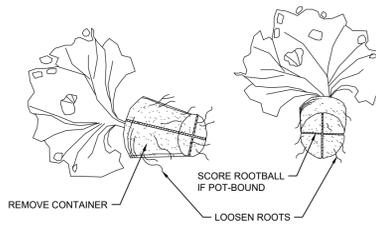
- NOTE:
- NO HEAVY MACHINERY IS TO BE USED DURING THE INSTALLATION OF THE SPLIT RAIL FENCE.
  - "TOWN OF YARMOUTH CONSERVATION AREA" SIGNAGE IS TO BE INSTALLED ON EVERY THIRD FENCE POST.



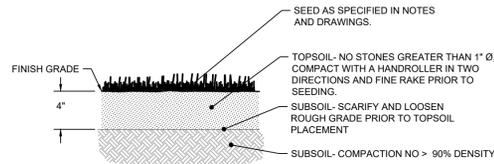
**EVERGREEN TREE PLANTING**  
NOT TO SCALE



**PERENNIAL CONTAINER PLANTING**  
NOT TO SCALE

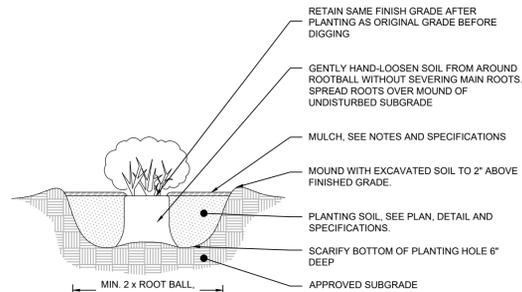


**CONTAINER PLANT ROOTBALL TREATMENT**  
NOT TO SCALE

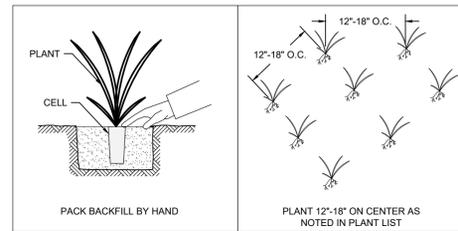


**LOAM AND SEED**  
NOT TO SCALE

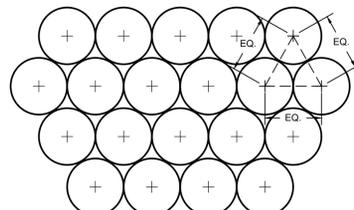
- NOTES:
- SEE LANDSCAPE GRADING SPECIFICATIONS FOR TOPSOIL REQUIREMENTS.
  - CONFIRM SUBGRADES ARE CORRECT AND POSITIVE DRAINAGE IS MAINTAINED PRIOR TO PLACEMENT OF TOPSOIL.
  - NOTIFY ENGINEER/LANDSCAPE ARCHITECT FOR REVIEW OF SUBGRADE PRIOR TO PLACEMENT OF THE TOPSOIL.



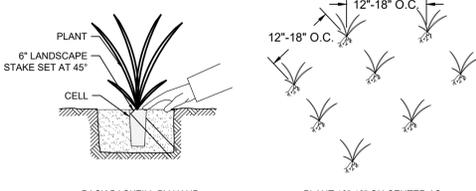
**SHRUB CONTAINER PLANTING**  
NOT TO SCALE



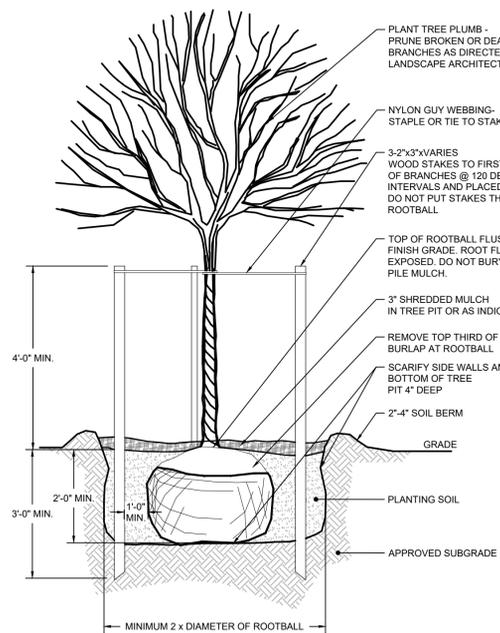
**PERENNIAL PLUG PLANTING**  
NOT TO SCALE



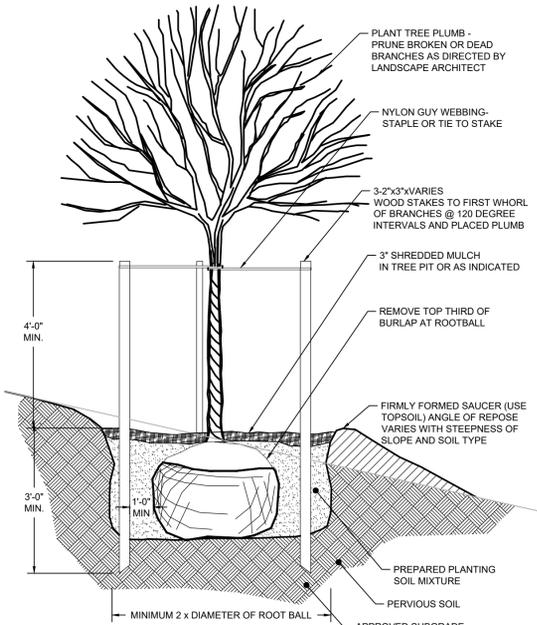
**PLANTING SPACING**  
NOT TO SCALE



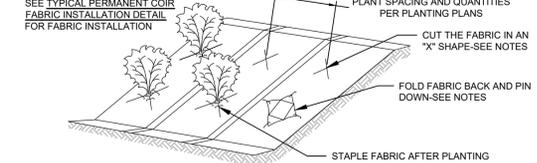
**SUBMERGED PERENNIAL PLUG PLANTING (ZONE 3)**  
NOT TO SCALE



**DECIDUOUS TREE PLANTING**  
NOT TO SCALE



**TREE PLANTING ON SLOPE**  
NOT TO SCALE



**PLANTING IN COIR FABRIC**  
NOT TO SCALE

- NOTES:
- CUT THE FABRIC IN AN "X" SHAPE TO ACCOMMODATE 2 TIMES THE DIAMETER OF THE ROOTBALL.
  - FOLD FABRIC BACK AND PIN DOWN TO CREATE A HOLE IN THE MAT.
  - DIG THE HOLE PER PLANTING DETAILS.
  - AFTER PLANTING, FOLD FABRIC BACK INTO PLACE AND STAPLE DOWN AS REQUIRED TO SECURE FABRIC IN PLACE.

Revisions	Date	By	Asst.	Description

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Checked By: MBE  
Designed By: KJK  
Drawn By: KJK  
Date: JANUARY 3, 2025

**CURVE HILL ROAD  
CONSTRUCTED WETLAND  
SOUTH YARMOUTH, MASSACHUSETTS**

Plant Set:  
Plant Title:

Prepared For:  
**Town of Yarmouth  
DPW**  
74 Town Brook Road  
West Yarmouth, MA 02673  
Phone: (508) 398-2231 ext. 1250

Survey Provided By:  
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Dated: January 1, 2024



last modified: 01/02/25 by ggg  
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