



TOWN OF DERRY

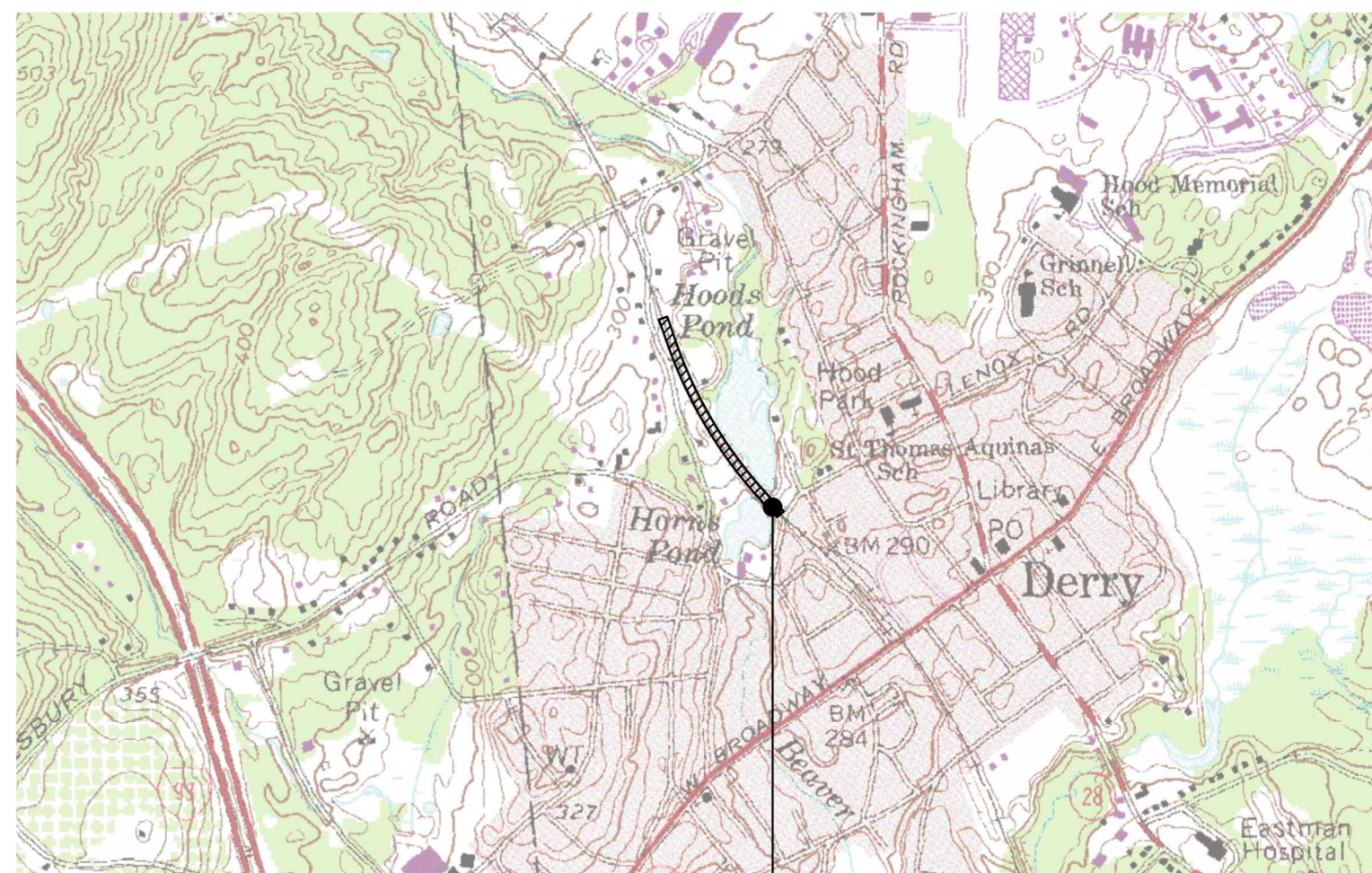
IMPROVEMENTS TO HOOD POND DAM (NH 063011) AND RAIL TRAIL DERRY, NH 03038

TOWN OF DERRY, NEW HAMPSHIRE

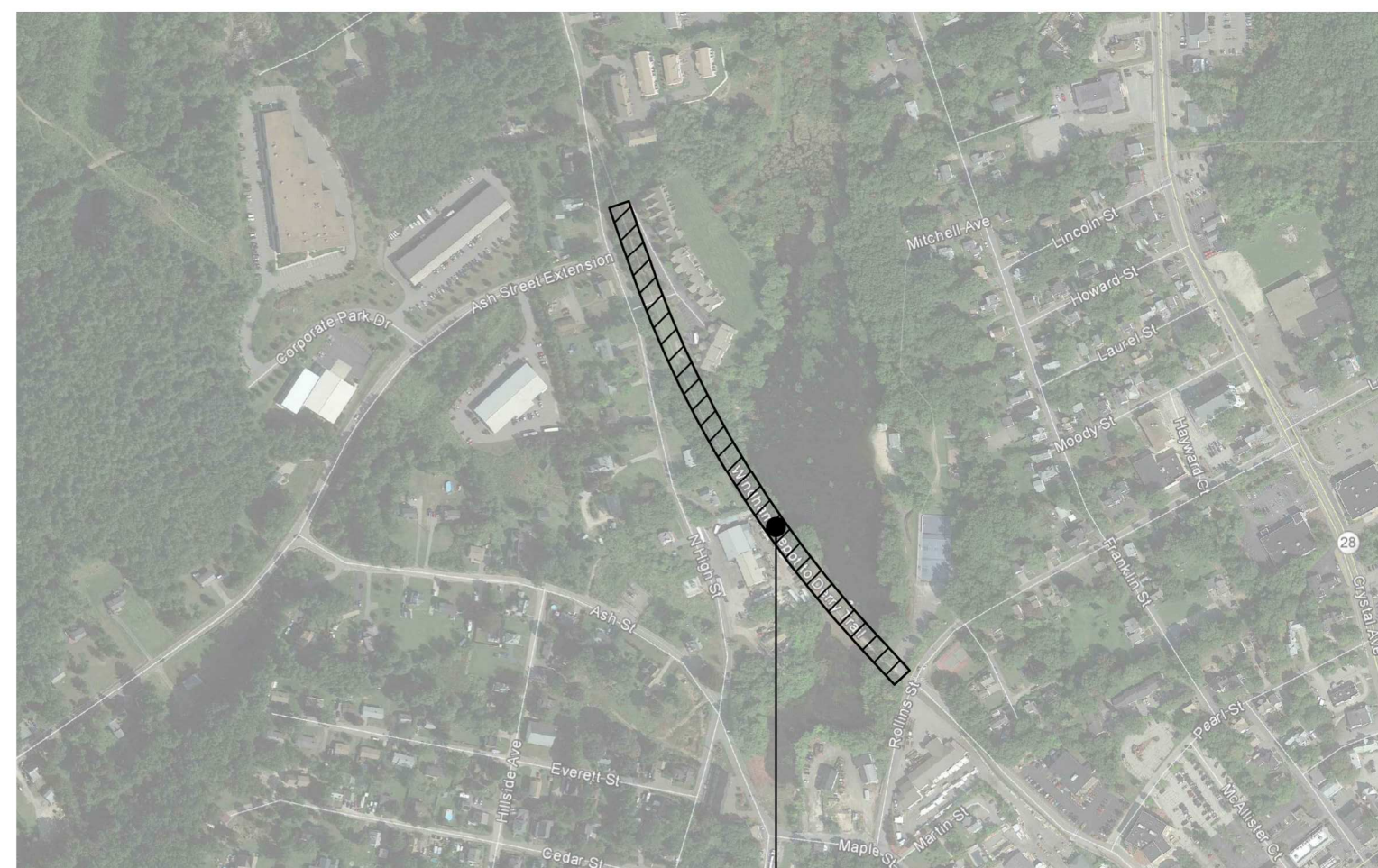
CRAIG DURRETT, ENVIRONMENTAL COORDINATOR
DERRY MUNICIPAL CENTER
14 MANNING STREET
DERRY, NH 03038

SHEET INDEX

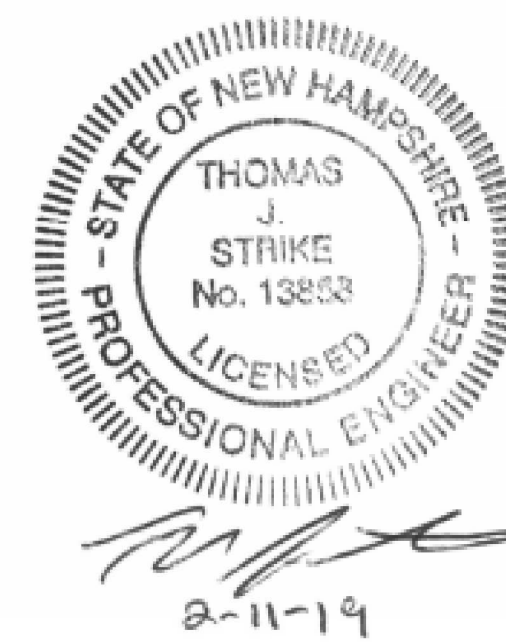
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HOOD POND DAM & RAIL TRAIL
LOCATION MAP



HOOD POND DAM & RAIL TRAIL
SITE AERIAL



FEBRUARY 11, 2019

Prepared By

Weston & SampsonSM

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PROJECT #2160694

Project:

TOWN OF DERRY



IMPROVEMENTS TO HOOD POND DAM AND RAIL TRAIL DERRY, NEW HAMPSHIRE

Weston & Sampson

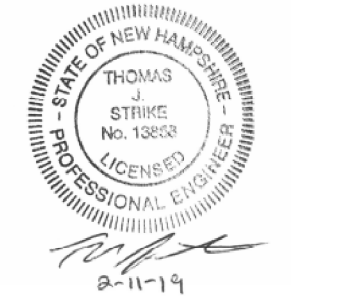
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W&S File No: 238-78

Drawing Title:

LEGEND,
ABBREVIATIONS AND
NOTES

Sheet Number:

L0.01

EXISTING CONDITIONS LEGEND

	PROPERTY LINE		UTILITY POLE & GUY WIRE
	EASEMENT LINE		CHAIN LINK FENCE
	WETLAND BUFFER		APPROX. FIBER OPTIC LINE
	DRAIN MANHOLE		APPROX. ELECTRICAL LINE
	DRAINAGE LINE		LIGHT POST
	CATCH BASIN		ELECTRIC TRANSFORMER
	SEWER LINE		SIGN
	SEWER MANHOLE		BORING
	BITUMINOUS CURBING		VERTICAL BENCHMARK
	VERTICAL GRANITE CURBING		TREE
	EDGE OF PAVEMENT		TREELINE
	GUARD RAIL		IRRIGATION CONTROL VALVE
	APPROX. WATERLINE		SPOT GRADE
	HYDRANT		EXISTING CONTOURS
	WATERGATE		EXISTING
	APPROX. ELECTRIC LINE		
	APPROX. GAS LINE		
	GAS GATE		

SURVEY NOTES:

1. FIELD SURVEY PERFORMED BY WESTON & SAMPSON ENGINEERS, INC. PEABODY, MA, IN NOVEMBER, 2016 AND APRIL 2018.
2. ELEVATIONS REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
3. HORIZONTAL DATUM IS NAD1983 ESTABLISHED BY STATIC GPS SURVEY AND POST PROCESSING THROUGH OPUS.

PROPOSED CONDITIONS LEGEND

	LIMIT OF WORK		CLEAR AND GRUB, COMPLETE
	GRADING LIMITS		SLOPE STABILIZATION AND EROSION PROTECTION LIMITS
	MATCHLINE		
	COMPOST FILTER TUBE, TYP.		
	TREE PROTECTION, TYP.		PROPOSED TREE
	INLET SEDIMENT CONTROL, TYP.		
	FENCE, TYP.		
	EXISTING TREE TO REMAIN, TYP.		
	L&S LOAM & SEED, SEE PLANTING PLAN		LOAM & SEED, TYP.
	TYP. R&D R&S P&S REMOVE AND DISPOSE REMOVE AND STORE PROTECT AND SAVE		RIPRAP
	INDIVIDUAL TREE REMOVAL, TYP.		
	14 PROPOSED CONTOURS		
	1.5% PROPOSED SLOPE		

GENERAL NOTES

1. ALL BIDDERS ARE REQUIRED TO INSPECT THE PROJECT SITE IN ITS ENTIRETY PRIOR TO SUBMITTING THEIR BID, AND BECOME FAMILIAR WITH ALL CONDITIONS AS THEY MAY AFFECT THEIR BID. CONTRACTOR AND SUB-CONTRACTOR SHALL BE FAMILIAR WITH ALL DRAWINGS AND SPECIFICATIONS PRIOR TO COMMENCING CONSTRUCTION.
2. LOCATIONS OF ANY UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF SUCH UTILITIES, PROTECTING ALL EXISTING UTILITIES AND REPAIRING ANY DAMAGE DONE DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ON-SITE COORDINATION WITH UTILITY COMPANIES AND PUBLIC AGENCIES AND FOR OBTAINING ALL REQUIRED PERMITS AND PAYING ALL REQUIRED FEES. CONTRACTOR SHALL ALSO CALL "DIG SAFE" AT (888) 344-7233 NO LESS THAN 72 HOURS (EXCLUSIVE OF WEEKENDS AND HOLIDAYS), PRIOR TO SUCH EXCAVATION. DOCUMENTATION OF REQUESTS SHALL BE PROVIDED TO PROJECT REPRESENTATIVE PRIOR TO EXCAVATION WORK.
3. PROPERTY LINES SHOWN ON THESE PLANS TAKEN FROM A MAY 4, 2016 PLAN TITLED "EXISTING CONDITIONS PLAN DERRY BIKE TRAIL," PREPARED BY PROMISED LAND SURVEY, LLC AND SHOULD BE CONSIDERED APPROXIMATE.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING ALL DRAWINGS AND SPECIFICATIONS TO DETERMINE THE EXTENT OF EXCAVATION AND DEMOLITION REQUIRED TO RECEIVE SITE IMPROVEMENTS.
5. ANY DISCREPANCIES OR CONFLICTS BETWEEN THE DRAWINGS AND EXISTING CONDITIONS, EXISTING CONDITIONS TO REMAIN, TEMPORARY CONSTRUCTION, PERMANENT CONSTRUCTION AND WORK OF ADJACENT CONTRACTS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER BEFORE PROCEEDING.
6. ANY ALTERATIONS TO THESE DRAWINGS MADE IN THE FIELD DURING CONSTRUCTION SHALL BE APPROVED BY THE ENGINEER AND RECORDED BY THE GENERAL CONTRACTOR ON "AS-BUILT" DRAWINGS.
7. ALL AREAS DISTURBED BY THE CONTRACTOR'S OPERATIONS OUTSIDE THE PROJECT LIMITS, SHALL BE RESTORED TO THE ORIGINAL CONDITION BY THE CONTRACTOR AT NO ADDITIONAL COST AND TO THE SATISFACTION OF THE OWNER.
8. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THEIR EMPLOYEES, AS WELL AS PUBLIC USERS FROM INJURY DURING THE ENTIRE CONSTRUCTION PERIOD USING ALL NECESSARY SAFEGUARDS, INCLUDING BUT NOT LIMITED TO, THE ERECTION OF TEMPORARY WALKS, STRUCTURES, PROTECTIVE BARRIERS, COVERING, OR FENCES AS NEEDED.
9. THE CONTRACTOR SHALL SUPPLY THE OWNER WITH THE NAME OF THE OSHA CERTIFIED CONTACT PRIOR TO CONSTRUCTION.
10. FILLING OF EXCAVATED AREAS SHALL NOT TAKE PLACE WITHOUT THE PRESENCE OR PERMISSION OF THE OWNER AND ENGINEER.
11. EXISTING TREES TO REMAIN SHALL BE PROTECTED FROM CONSTRUCTION ACTIVITIES. NO STOCKPILING OF MATERIAL, EQUIPMENT OR VEHICULAR TRAFFIC SHALL BE ALLOWED WITHIN THE DRIP LINE OF TREES TO REMAIN. NO GUYS SHALL BE ATTACHED TO ANY TREE TO REMAIN. WHEN NECESSARY OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE, THE CONTRACTOR SHALL ERECT TEMPORARY BARRIERS FOR THE PROTECTION OF EXISTING TREES DURING CONSTRUCTION.
12. NO FILLING SHALL OCCUR AROUND EXISTING TREES TO REMAIN WITHOUT THE APPROVAL OF THE OWNER/ENGINEER.
13. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE PROJECT SITE TO OBSERVE CONDITIONS PRIOR TO SUBMITTING BID.
14. ALL EXISTING DRAINAGE FACILITIES TO REMAIN SHALL BE MAINTAINED FREE OF DEBRIS, SOIL, SEDIMENT, AND FOREIGN MATERIAL AND OPERATIONAL THROUGHOUT THE LIFE OF THE CONTRACT. REMOVE ALL SOIL, SEDIMENT, DEBRIS AND FOREIGN MATERIAL FROM ALL DRAINAGE STRUCTURES, INCLUDING BUT NOT LIMITED TO, DRAINAGE INLETS, MANHOLES AND CATCH BASINS WITHIN THE LIMIT OF WORK AND DRAINAGE STRUCTURES OUTSIDE THE LIMIT OF WORK THAT ARE IMPACTED BY THE WORK FOR THE ENTIRE DURATION OF CONSTRUCTION.
15. ALL EXISTING FEATURES TO REMAIN, INCLUDING PROPERTY BOUNDS, SHALL BE PROTECTED THROUGHOUT THE CONSTRUCTION PERIOD. ANY FEATURES DAMAGED DURING CONSTRUCTION OPERATIONS SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER AT NO ADDITIONAL COST.
16. CONTRACTOR'S STAGING AREA MUST BE WITHIN THE LIMIT OF WORK OR IN AREAS APPROVED BY OWNER.
17. THE CONTRACTOR SHALL SWEEP AND CLEAN ALL STREETS, PARKING LOTS AND WALKS THAT ARE NOT RESTRICTED FROM PUBLIC USE DURING CONSTRUCTION AT ALL TIMES. THE CONTRACTOR SHALL USE ACCEPTABLE METHODS AND MATERIALS TO MAINTAIN ADEQUATE DUST CONTROL THROUGHOUT CONSTRUCTION.

PLANTING NOTES

1. THE DEPTH OF LOAM BORROW FOR ALL PROPOSED LAWN AREAS SHALL BE 4" MINIMUM. ALL DISTURBED AREAS SHALL BE RESTORED WITH LOAM AND SEED UNLESS OTHERWISE NOTED
2. ALL REFERENCES TO LOAM AND SEED (L&S) REFER TO HYDROMULCH SEEDED LAWN.

MATERIALS NOTES

1. COORDINATE ALL LAYOUT ACTIVITIES WITH THE SCOPE OF WORK CALLED FOR BY DEMOLITION, GRADING AND UTILITIES OPERATIONS ENCOMPASSED BY THIS CONTRACT. SET, PROTECT AND REPLACE REFERENCE STAKES AS NECESSARY OR AS REQUIRED BY THE ENGINEER.
2. THE LAYOUT OF SITE AMENITIES AND FENCES MUST BE APPROVED BY THE OWNER PRIOR TO INSTALLATION. SOME ITEMS MAY "NOT BE IN CONTRACT" AND SHOWN FOR LOCATION REFERENCE ONLY.
3. ALL PROPOSED SITE FEATURES SHALL BE LAID OUT AND STAKED FOR REVIEW AND APPROVAL BY THE OWNER PRIOR TO COMMENCEMENT OF INSTALLATION. ANY REQUIRED ADJUSTMENTS TO THE LAYOUT SHALL BE UNDERTAKEN AS REQUIRED, AT NO ADDITIONAL COST TO THE OWNER.
4. ALL PROPOSED BITUMINOUS CONCRETE PAVEMENTS SHALL MEET THE LINE AND GRADE OF EXISTING ADJACENT PAVEMENT SURFACES AND SHALL BE TREATED WITH AN RS-1 TACK COAT AT POINT OF CONNECTION. ALL PATHWAY WIDTHS SHALL BE AS NOTED ON THE LAYOUT PLAN.

GRADING & DRAINAGE NOTES

1. ALL WORK RELATING TO INSTALLATION, RENOVATION OR MODIFICATION OF WATER, DRAINAGE AND/OR SEWER SERVICES SHALL BE PERFORMED IN ACCORDANCE WITH THE STANDARDS OF THE TOWN OF DERRY.
2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND GRADES ON THE GROUND AND REPORT ANY DISCREPANCIES IMMEDIATELY TO THE OWNER.
3. ALL GRADING IS TO BE SMOOTH AND CONTINUOUS. WHERE PROPOSED SURFACES MEETS EXISTING SURFACES, BLEND THE TWO SURFACES AND ELIMINATE ROUGH SPOTS AND ABRUPT GRADE CHANGES AND MEET LINE AND GRADE OF EXISTING CONDITIONS WITH NEW IMPROVEMENTS.
4. CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE (1.5% MINIMUM) AWAY FROM ALL BUILDING FOUNDATIONS AND STRUCTURES.
5. CONTRACTOR SHALL ENSURE ALL AREAS ARE PROPERLY PITCHED TO DRAIN, WITH NO SURFACE WATER PONDING OR PUDDLING.
6. ALL NEW WALKWAYS / ACCESS PATHS MUST CONFORM TO CURRENT AMERICANS WITH DISABILITIES ACT (ADA) REGULATIONS: WALKWAYS SHALL MAINTAIN A CROSS PITCH OF NOT MORE THAN TWO (2%) PERCENT AND THE RUNNING SLOPE (PARALLEL TO THE DIRECTION OF TRAVEL) BETWEEN 0.5% MIN. AND 5% MAX. ANY DISCREPANCIES NOT ALLOWING THIS TO OCCUR SHALL BE REPORTED TO THE OWNER PRIOR TO CONTINUING WORK.
7. ALL UTILITY GRATES, COVERS OR OTHER SURFACE ELEMENTS INTENDED TO BE EXPOSED AT GRADE SHALL BE FLUSH WITH THE ADJACENT FINISHED GRADE AND ADJUSTED TO PROVIDE A SMOOTH TRANSITION AT ALL EDGES.
8. THE CONTRACTOR SHALL SET SUBGRADE ELEVATIONS TO ALLOW FOR POSITIVE DRAINAGE AND PROVIDE EROSION CONTROL DEVICES, STRUCTURES, MATERIALS AND CONSTRUCTION METHODS TO DIRECT SILT MIGRATION AWAY FROM DRAINAGE AND OTHER UTILITY SYSTEMS, PUBLIC/PRIVATE STREETS AND WORK AREAS. CLEAN BASINS REGULARLY AND AT THE END OF THE PROJECT.
9. EXCAVATION REQUIRED WITHIN PROXIMITY OF KNOWN EXISTING UTILITY LINES SHALL BE DONE BY HAND. CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING UTILITY LINES OR STRUCTURES INCURRED DURING CONSTRUCTION OPERATIONS AT NO COST TO THE OWNER.

Project:

TOWN OF DERRY



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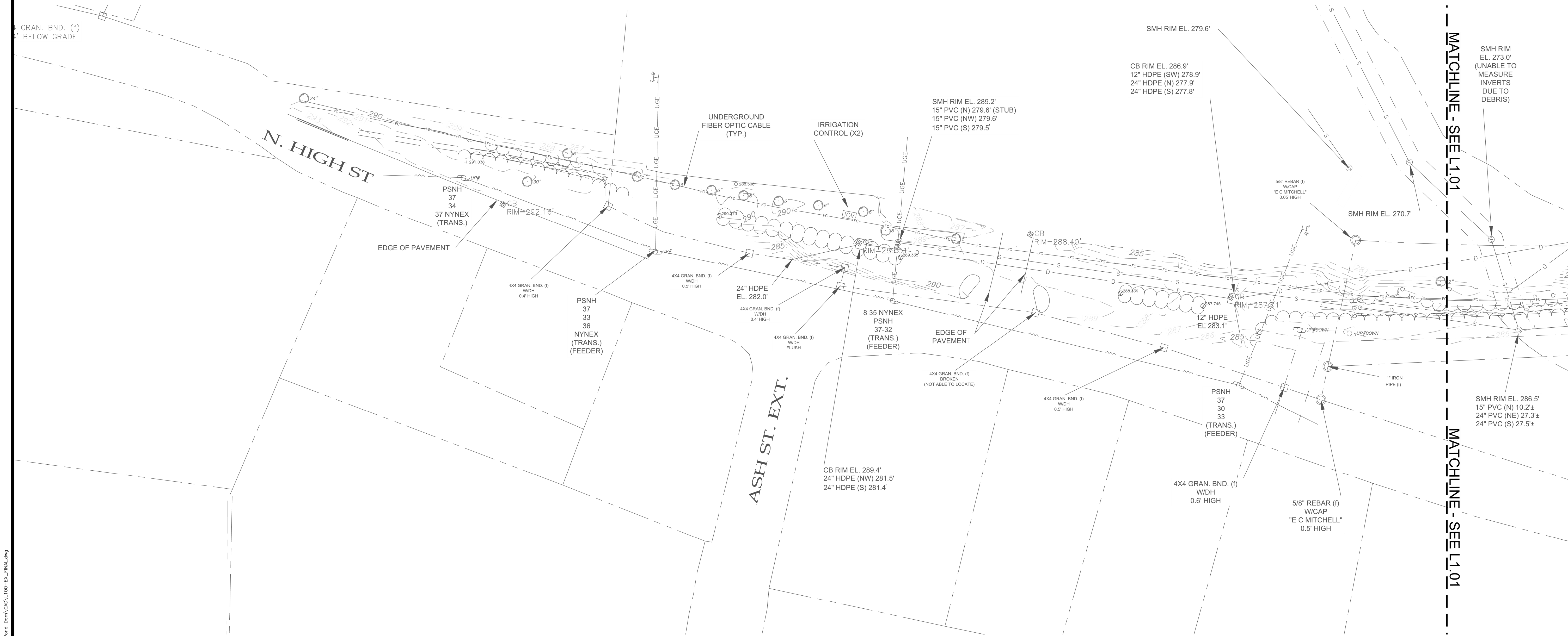
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EXISTING CONDITIONS PLAN

Sheet Number:

L1.00



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SURVEY CONTROL

DESIGNATION	ELEVATION	DESCRIPTION
BM1	280.78	NAIL IN TREE
BM2	274.46	NAIL IN TREE

Project:

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Weston & Sampson

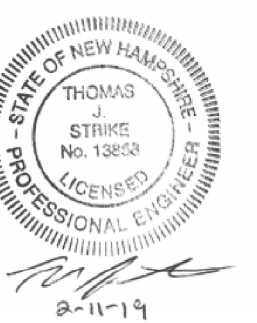
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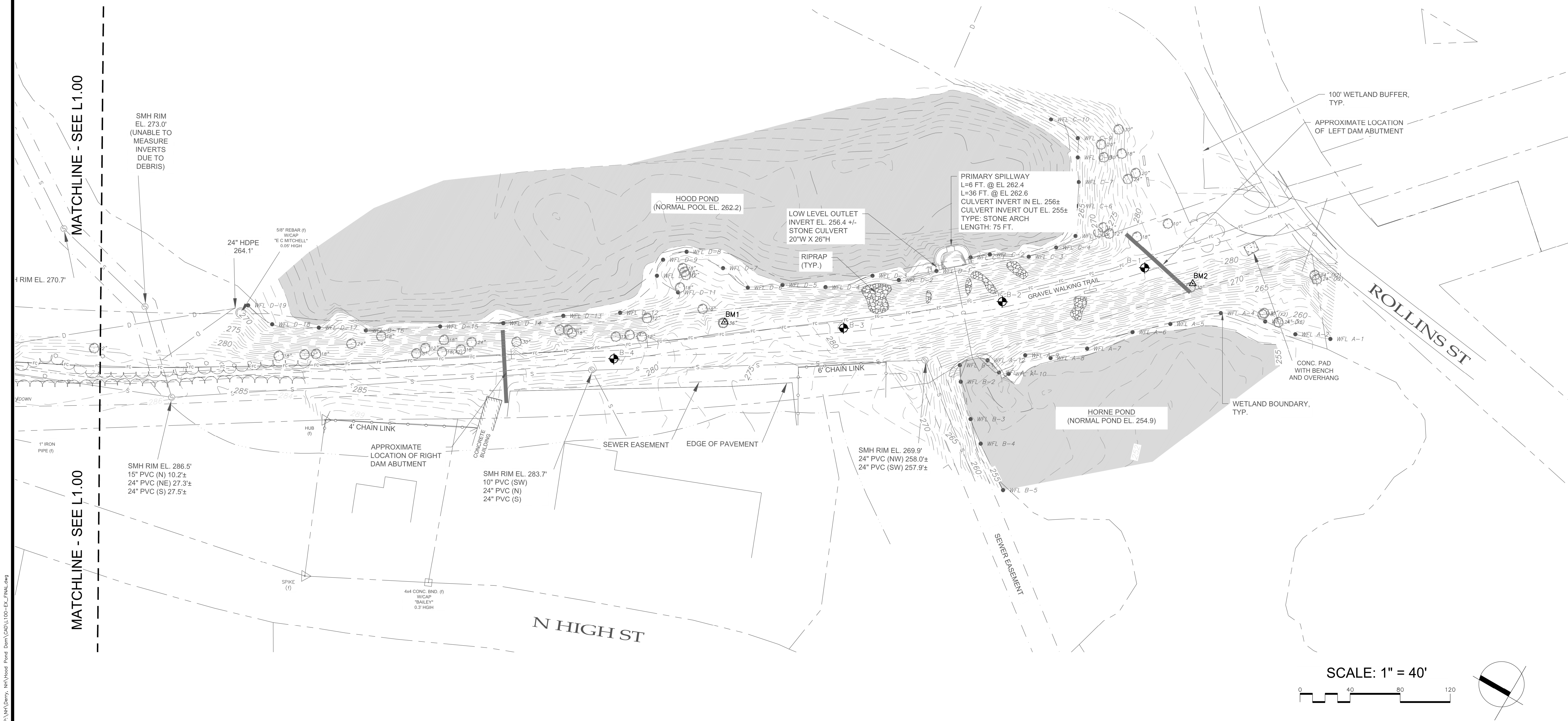
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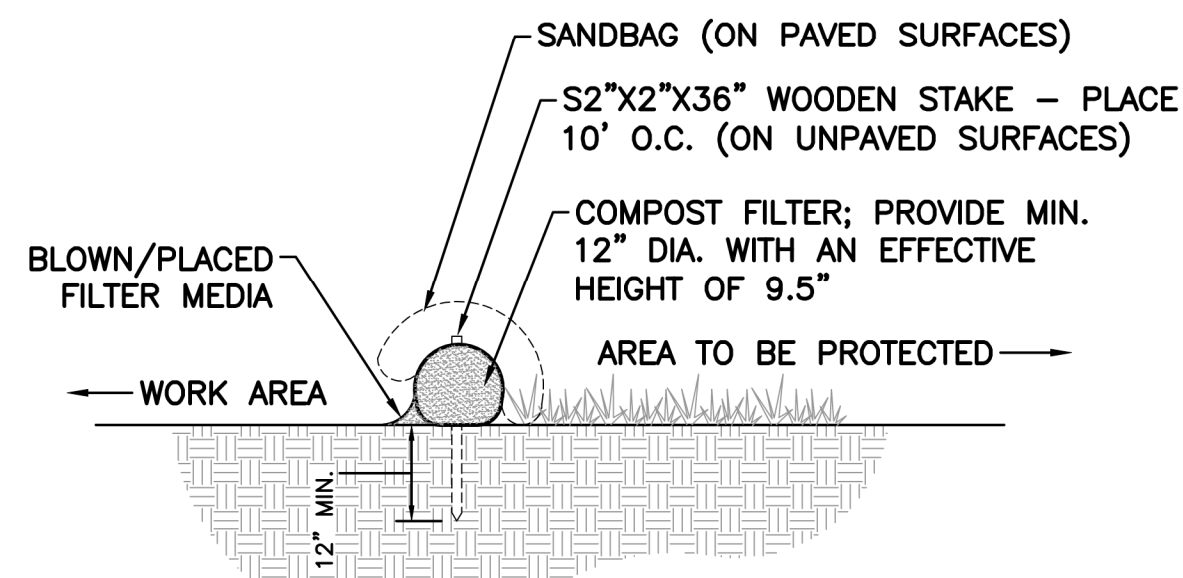
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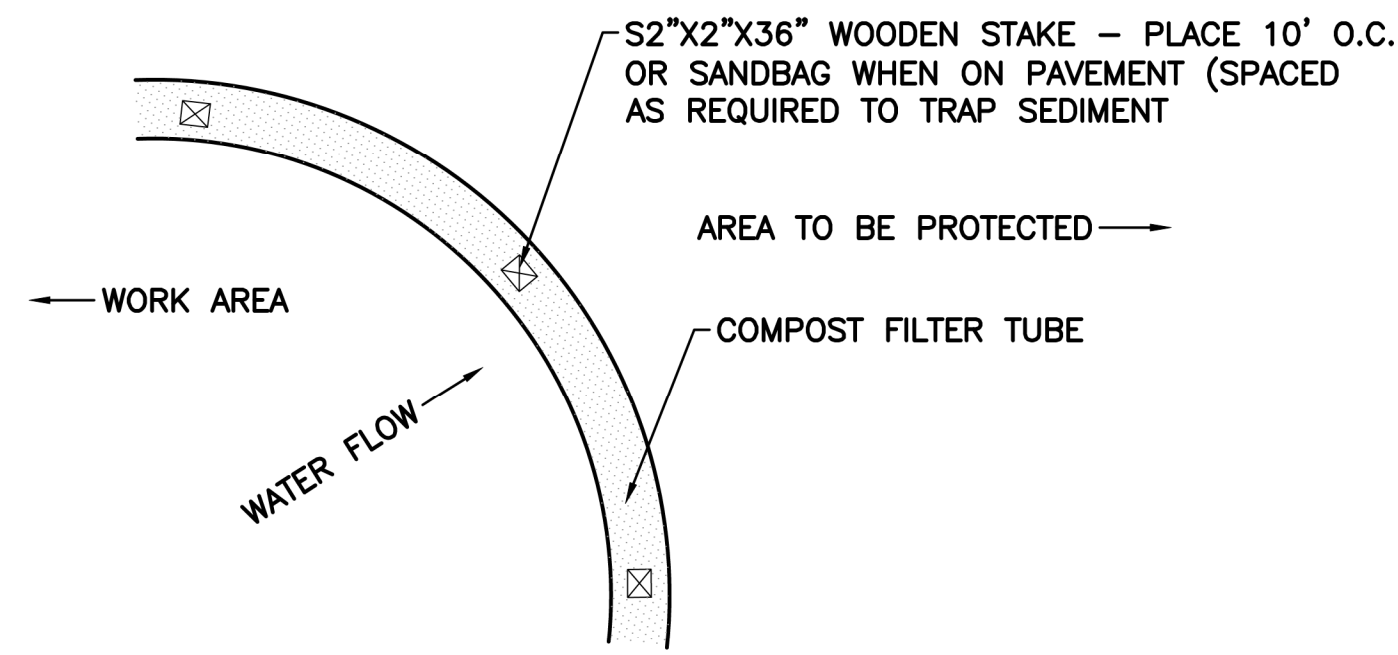
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SECTION



PLAN

NOTES:

1. ALL MATERIALS TO MEET SPECIFICATIONS.
2. FILTER MEDIA FILL TO MEET APPLICATION REQUIREMENTS.
3. COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY THE ENGINEER.

PROTECTION OF TREES:

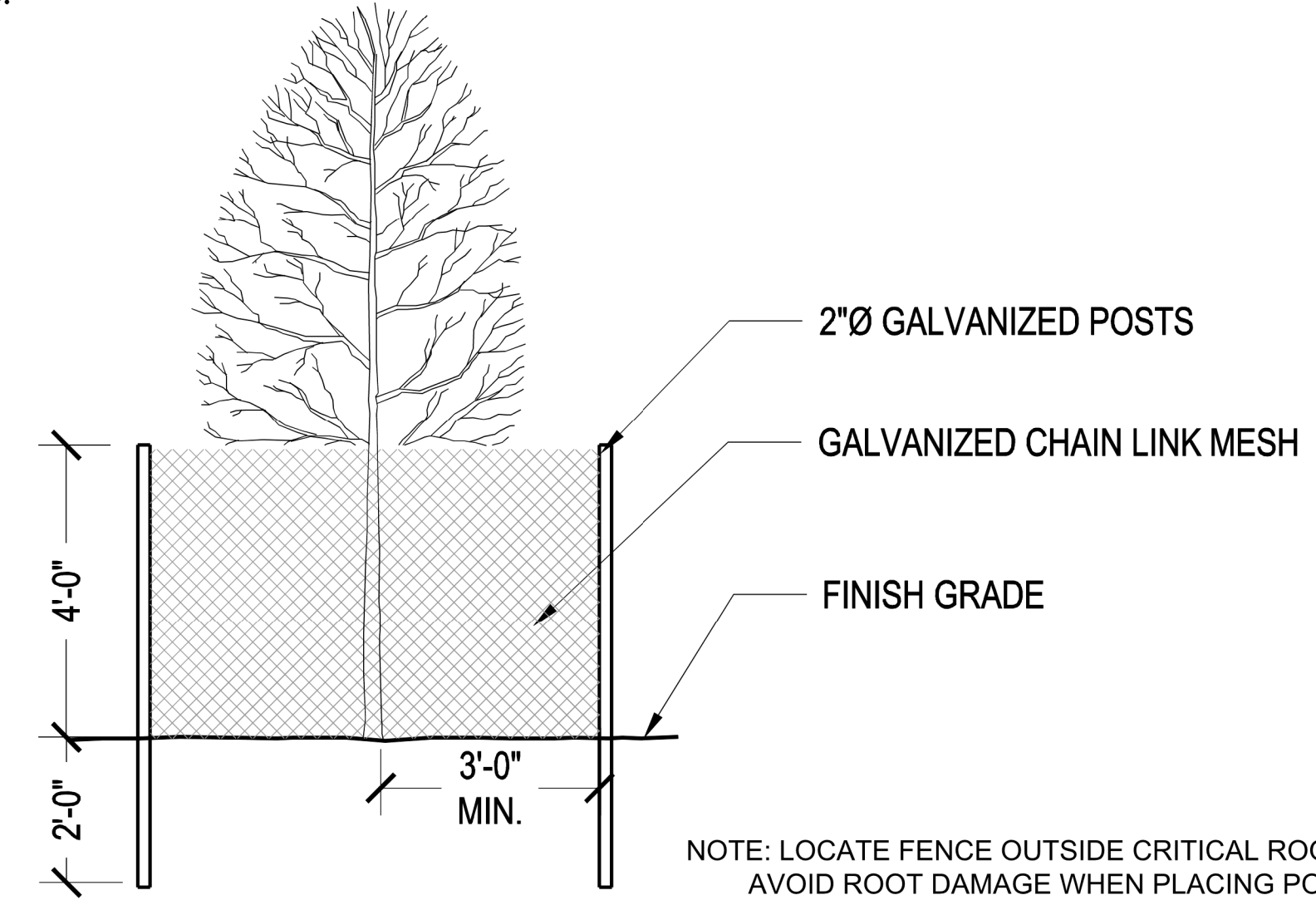
PROTECT EXISTING TREES WHICH ARE TO REMAIN AND WHICH MAY BE INJURED, BRUISED, DEFACED, OR OTHERWISE DAMAGED BY CONSTRUCTION OPERATIONS. UTILIZING STANDARD TREE PROTECTION CRITERIA INCLUDING:

1. INSTALLATION OF SAFETY ORANGE PLASTIC FENCING (MINIMUM 4' IN HEIGHT) AROUND INDIVIDUAL TREES DESIGNATED FOR PROTECTION. FENCING SHALL BE INSTALLED AT THE OUTWARD LIMIT OF THE TREE'S DRIPLINE OR EXTENT OF CANOPY COVER.
2. INSTALLATION OF SAFETY ORANGE PLASTIC FENCING (MINIMUM 4' IN HEIGHT) AROUND GROUPS OF TREES DESIGNATED FOR PROTECTION.

REQUIRED FENCING SHALL BE INSTALLED PRIOR TO THE INITIATION OF LAND DISTURBING ACTIVITIES AND SHALL BE REMOVED AT THE CONCLUSION OF CONSTRUCTION. REMOVE DISPLACED ROCKS FROM UNCLEARED AREAS. BY APPROVED EXCAVATION, REMOVE TREES WITH 30 PERCENT OR MORE OF THEIR ROOT SYSTEMS DESTROYED. REMOVAL OF TREES AND THE PROCEDURE FOR REMOVAL REQUIRES APPROVAL OF THE OWNER OR THE ENGINEER. TREES DESIGNATED FOR REMOVAL SHALL BE REMOVED IN A MANNER THAT WILL NOT IMPACT ADJACENT TREES.

LANDSCAPE REPLACEMENT:

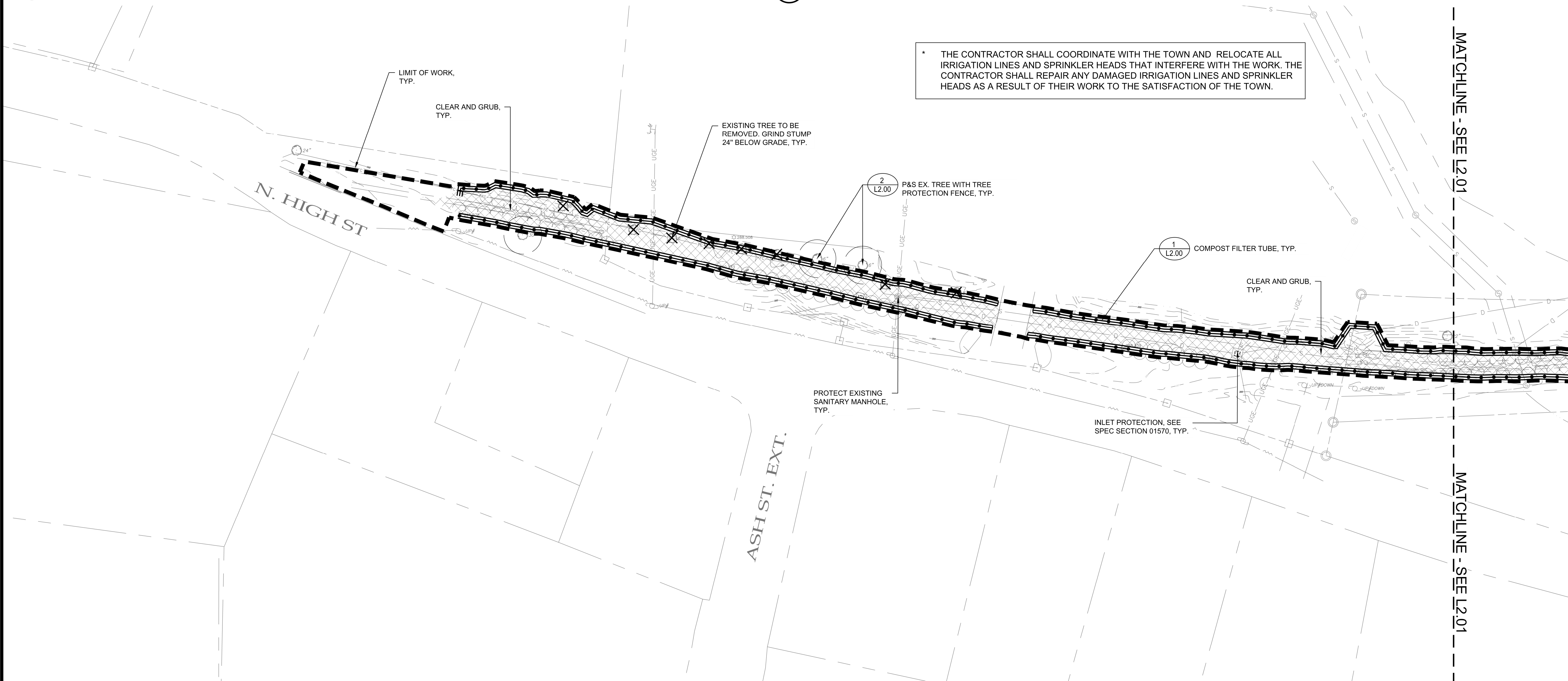
REMOVE TREES AND OTHER LANDSCAPE FEATURES SCARRED OR DAMAGED BY EQUIPMENT OPERATIONS, AND REPLACE WITH EQUIVALENT, UNDAAMAGED TREES AND LANDSCAPE FEATURES. OBTAIN OWNER'S OR ENGINEER'S APPROVAL BEFORE REPLACEMENT. REPLACEMENT OF TREES SHALL OCCUR ON A ONE-TO-ONE BASIS, UNLESS OTHERWISE NOTED.



NOTE: LOCATE FENCE OUTSIDE CRITICAL ROOT ZONE. AVOID ROOT DAMAGE WHEN PLACING POSTS

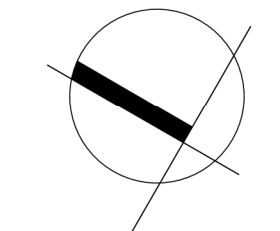
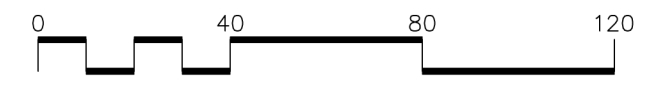
1 COMPOST FILTER TUBE
SCALE: N.T.S.

2 TREE PROTECTION NOTES
SCALE: N.T.S.



• THE CONTRACTOR SHALL COORDINATE WITH THE TOWN AND RELOCATE ALL IRRIGATION LINES AND SPRINKLER HEADS THAT INTERFERE WITH THE WORK. THE CONTRACTOR SHALL REPAIR ANY DAMAGED IRRIGATION LINES AND SPRINKLER HEADS AS A RESULT OF THEIR WORK TO THE SATISFACTION OF THE TOWN.

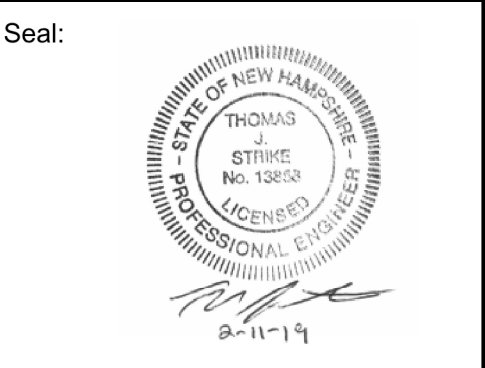
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Drawing Title:
SITE PREPARATION AND DEMOLITION PLAN
Sheet Number:
L2.00

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Project:

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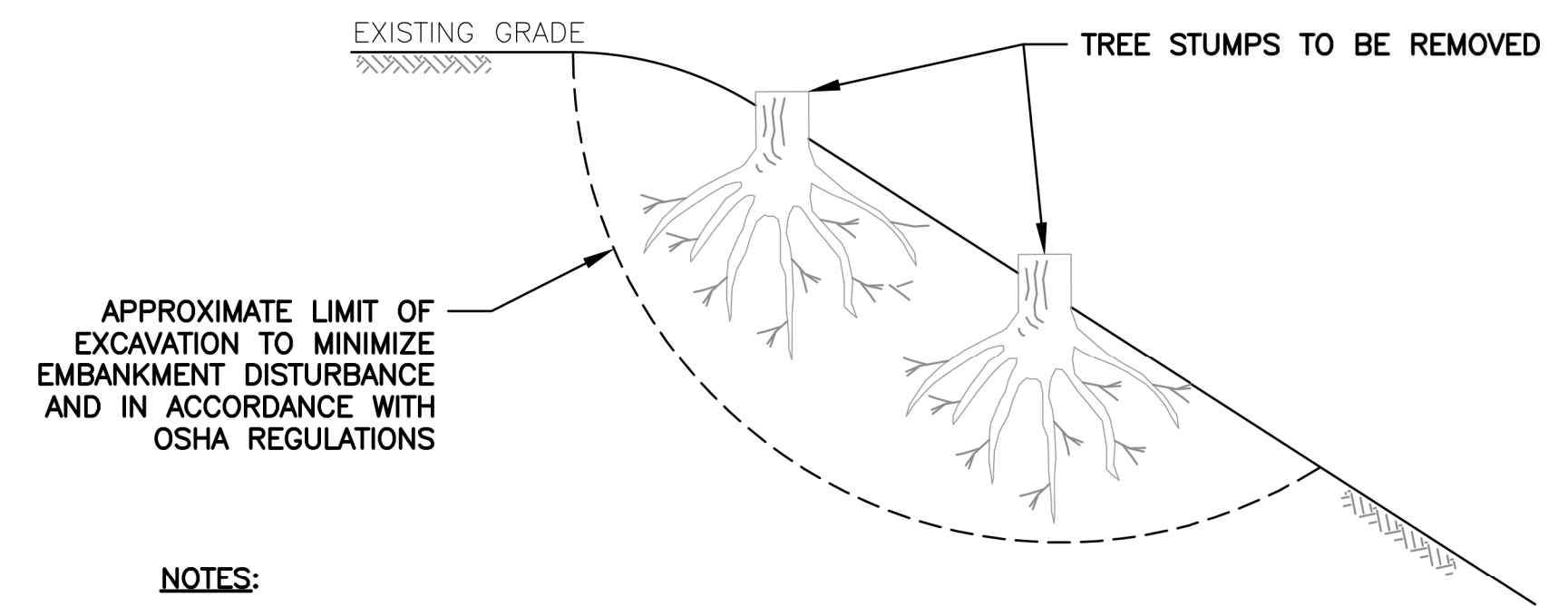
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Drawing Title:

SITE PREPARATION AND DEMOLITION PLAN

Sheet Number:

L2.01



NOTES:

- CUT DESIGNATED TREES AND REMOVE FROM THE EMBANKMENT.
- EXCAVATE TO REMOVE ALL STUMPS AND ROOTS TO 1" IN DIAMETER AS WELL AS AREAS OF CONCENTRATED SMALLER ROOTS.
- TREE STUMPS TO BE DISPOSED OF BY THE CONTRACTOR IN ACCORDANCE WITH APPLICABLE REGULATIONS.
- ALL VOIDS ARE TO BE BACKFILLED WITH COMPACTED STRUCTURAL FILL IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

1 TREE AND STUMP REMOVAL (DAM EMBANKMENT ONLY)
SCALE: N.T.S.

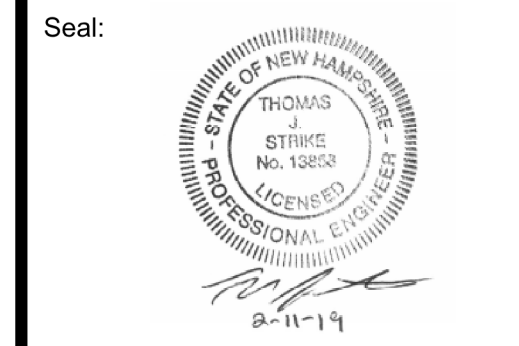


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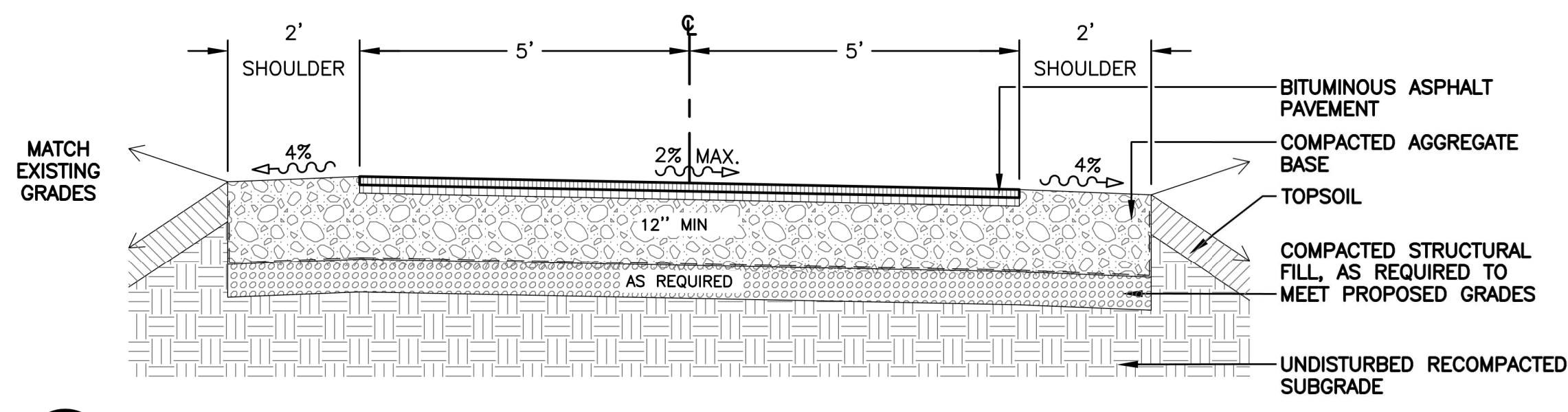
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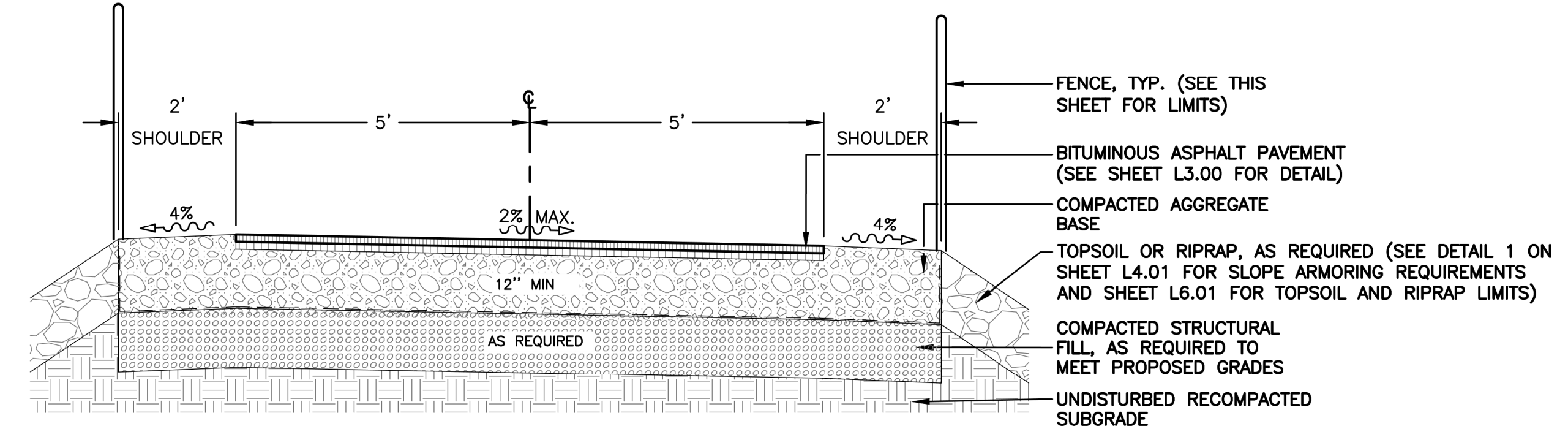
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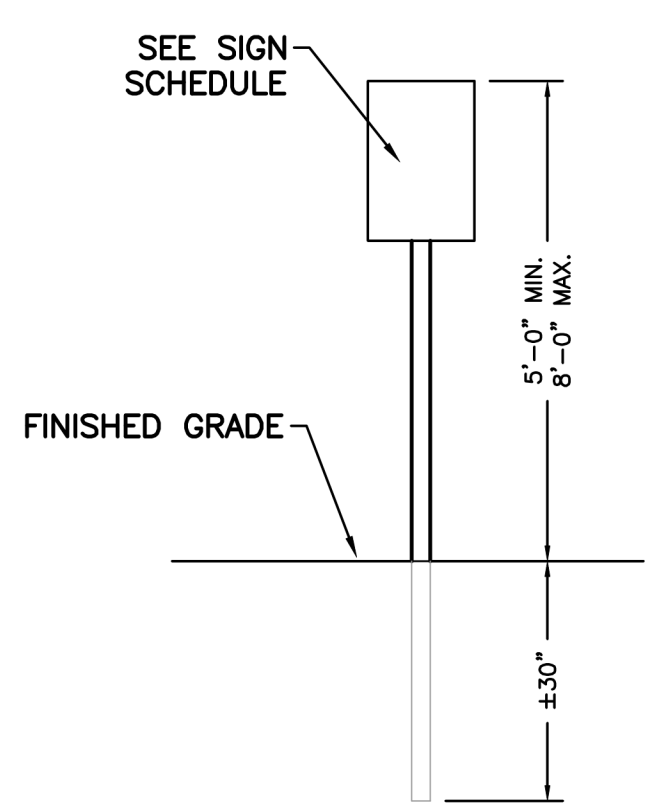
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LAYOUT & MATERIALS PLAN
 Sheet Number:
L3.01
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3 TYPICAL TRAIL SECTION
 SCALE: N.T.S.



4 TRAIL SECTION WITH FENCE
 SCALE: N.T.S.

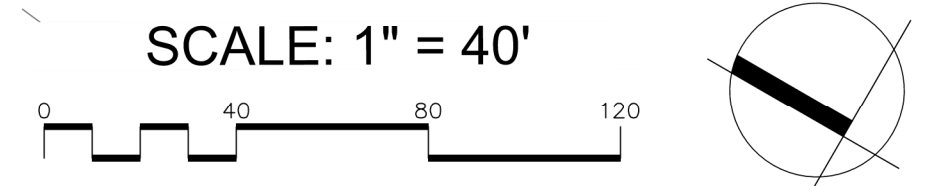
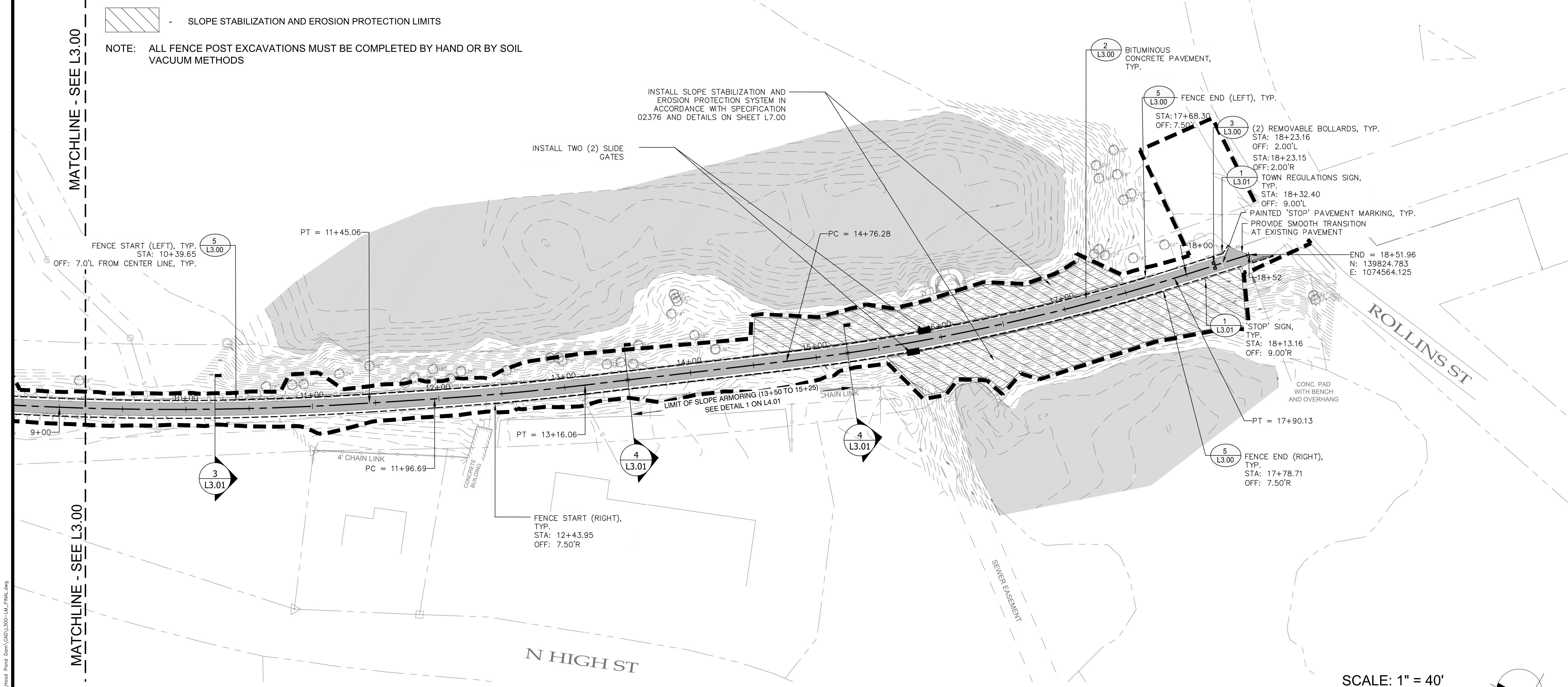


ALL SIGNAGE SHALL BE NEW AND CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.)

1 SIGN POST DETAIL
 SCALE: N.T.S.

SIGN SCHEDULE						
TEXT NO.	TEXT	SIZE	NATIONAL MUTCD NO.	TYPE OF MOUNTING	QUANT.	REMARKS
1	STOP	12" x 18"	R7-8	POST	4	SET AT 5' ABOVE GRADE
2	TOWN REGULATIONS (PROVIDED BY TOWN)	12" x 36"	N/A	POST	2	SET AT 5' ABOVE GRADE

2 SIGN SCHEDULE
 SCALE: N.T.S.



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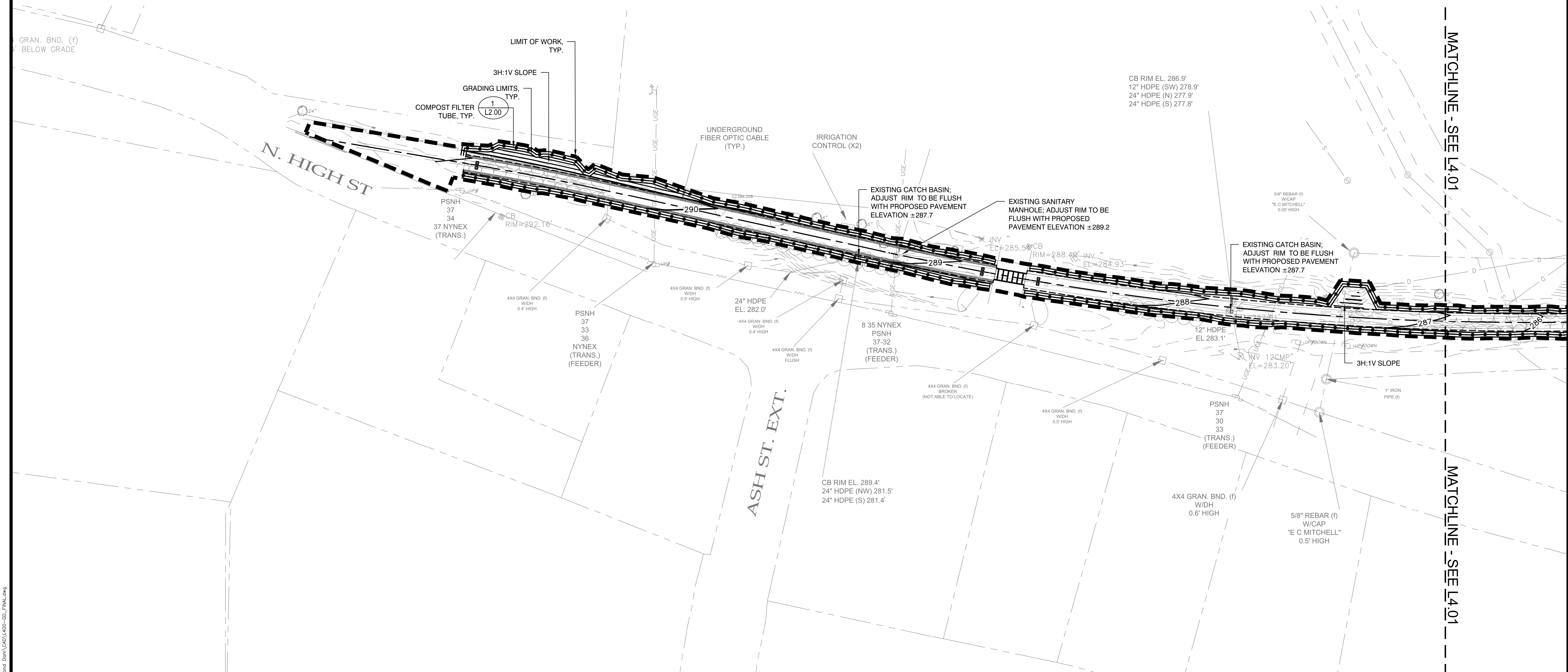
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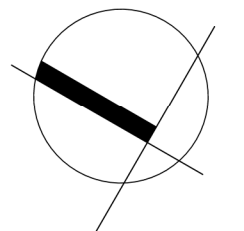
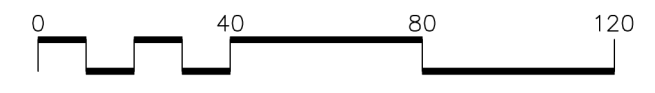
GRADING AND UTILITIES
PLAN

Sheet Number:

L4.00



SCALE: 1" = 40'



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IMPROVEMENTS TO HOOD POND DAM AND RAIL TRAIL DERRY, NEW HAMPSHIRE

Weston & Sampson

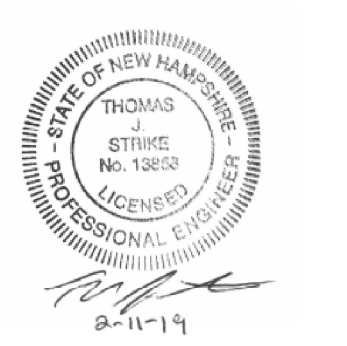
7 Perimeter Road
Manchester, NH 03103
603-263-9296 800.SAMPSON
www.westonandsampson.com

Consultants:

Revisions:

No.	Date	Description

Seal:



Issued For:

CONSTRUCTION

Scale:

Date: 02/11/2019

Drawn By: JWG

Reviewed By: TJS

Approved By: CJP

W&S Project No: 2160694

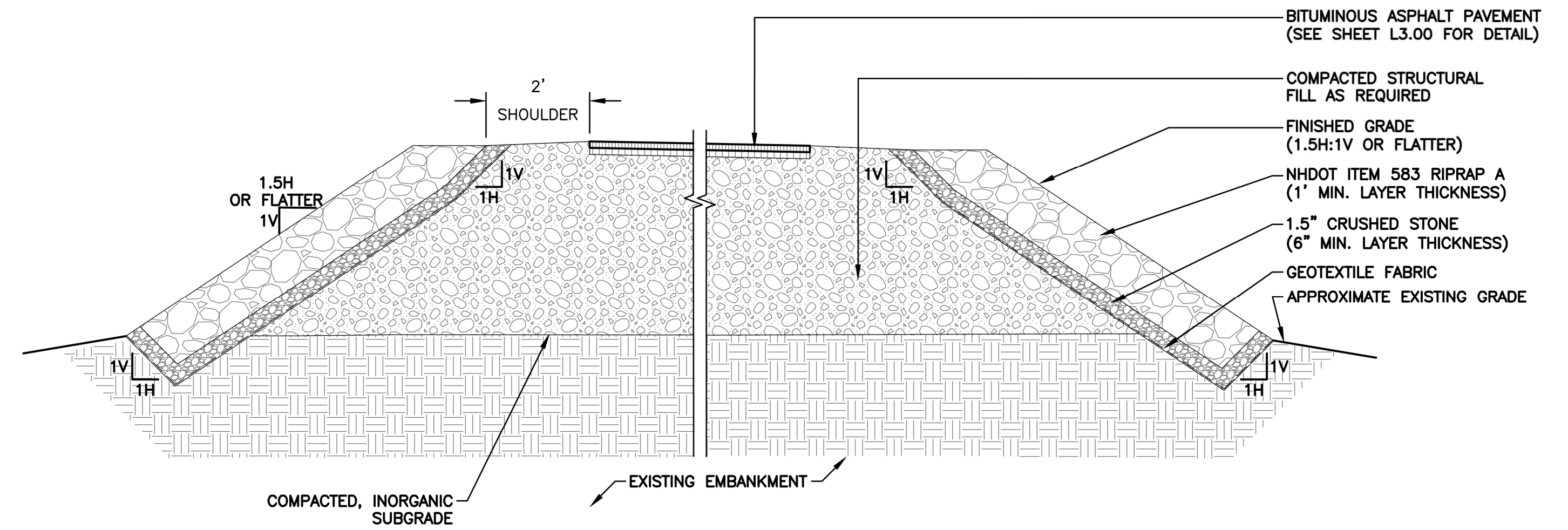
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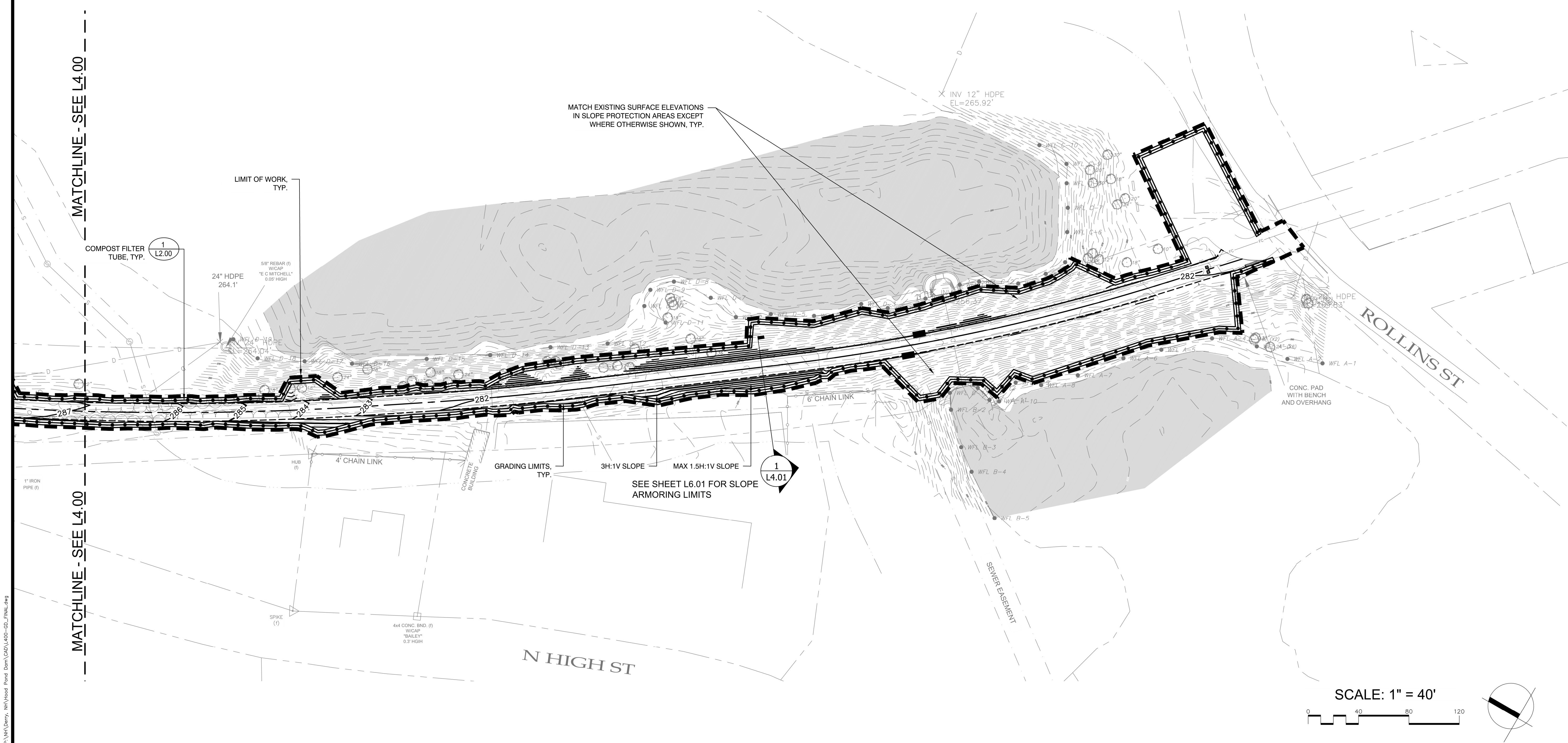
GRADING AND UTILITIES PLAN

Sheet Number:

L4.01



1 TYPICAL SLOPE ARMORING (APPROXIMATELY STA 13+50 TO STA 15+25)
SCALE: N.T.S.



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Consultants:

Revisions:

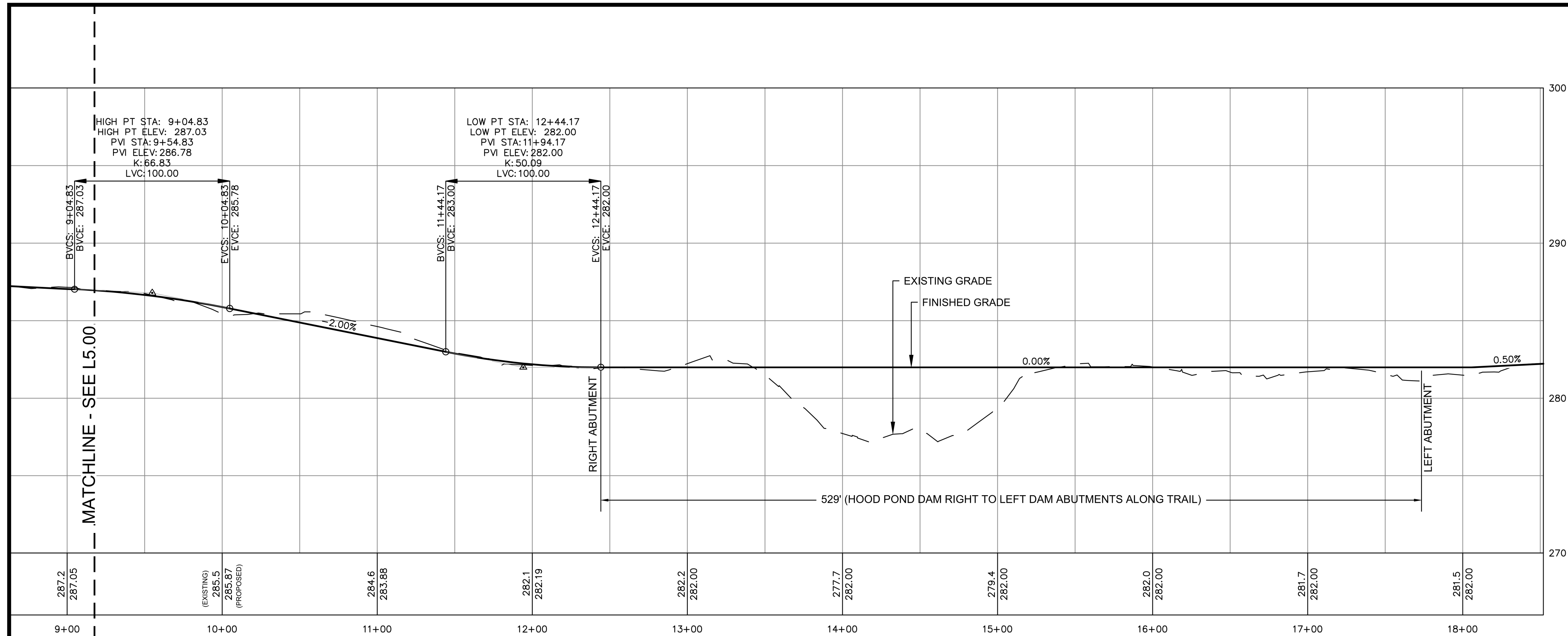
No.	Date	Description



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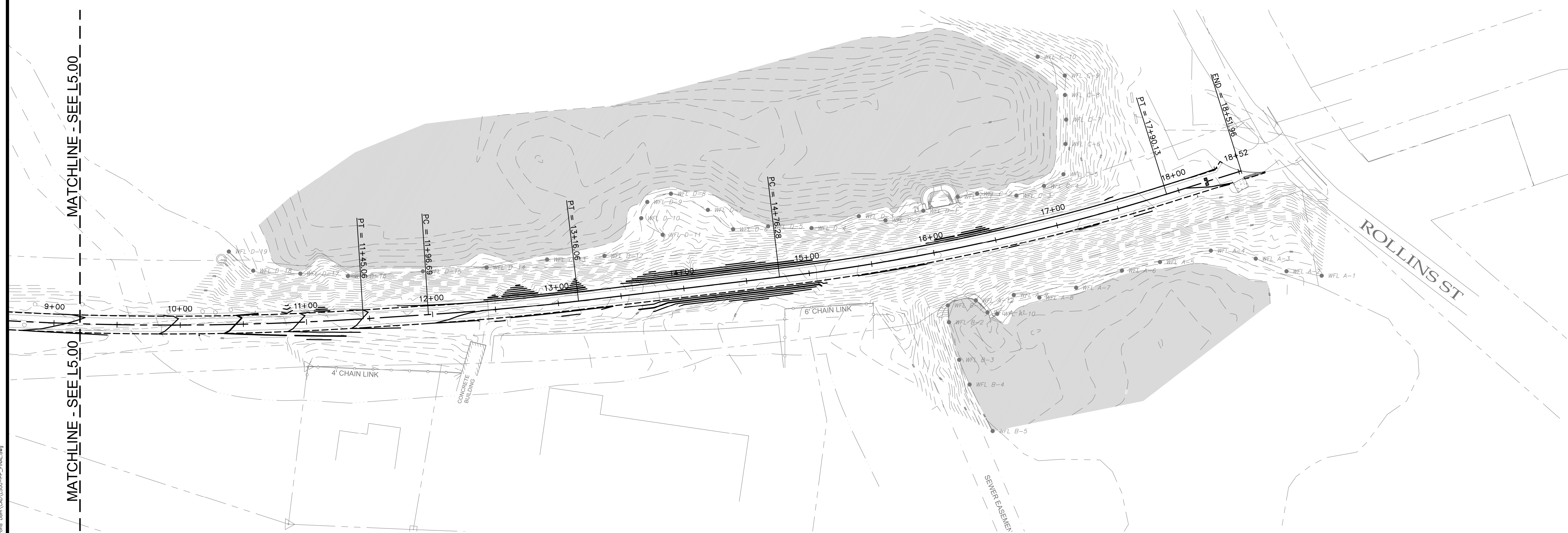
Scale:
 Date: 02/11/2019
 Drawn By: JWG
 Reviewed By: TJS
 Approved By: CJP
 W&S Project No: 2160694
 W&S File No: 236-68

Drawing Title:
PLAN AND PROFILE
 Sheet Number:
L5.01

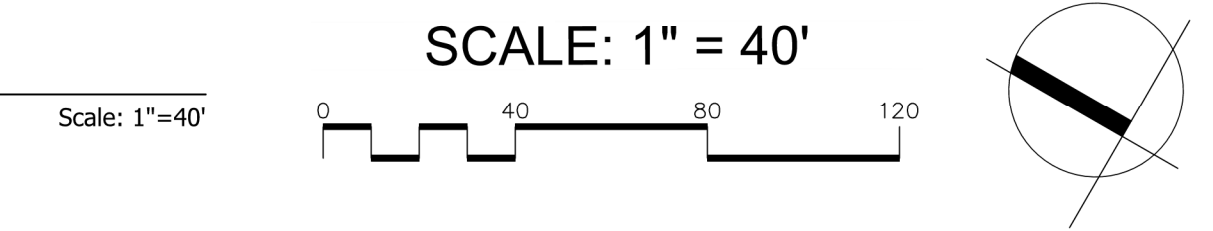


1 PROFILE - STATION 9+20 TO 18+51.91

Scale: 1"=4' V | 1"=40' H



2 PLAN - STATION 9+20 TO 18+52



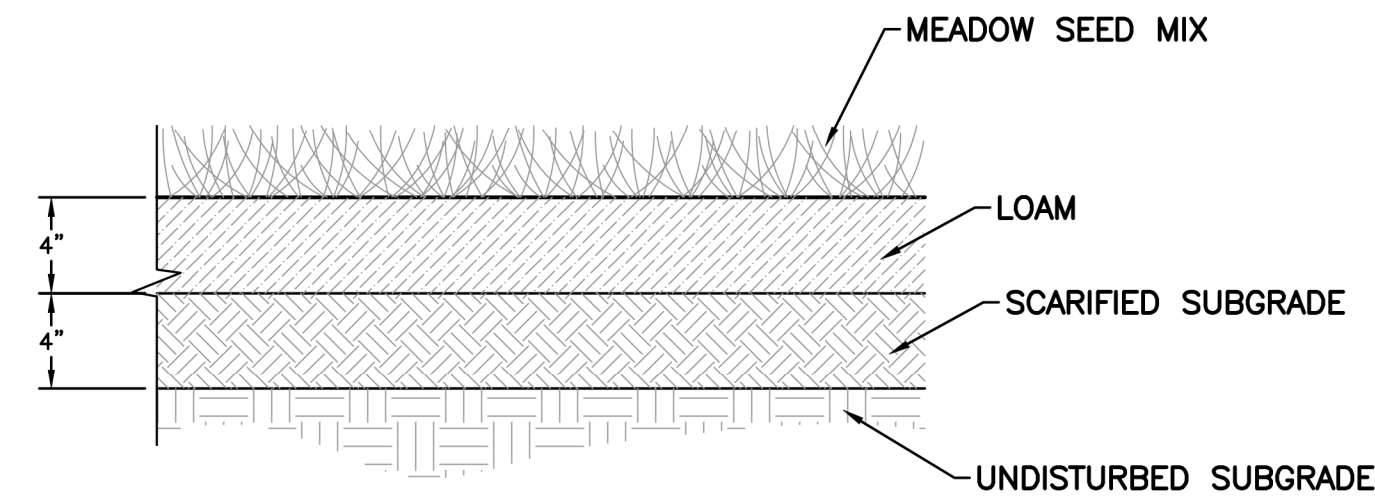
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TREE SCHEDULE - L6.00

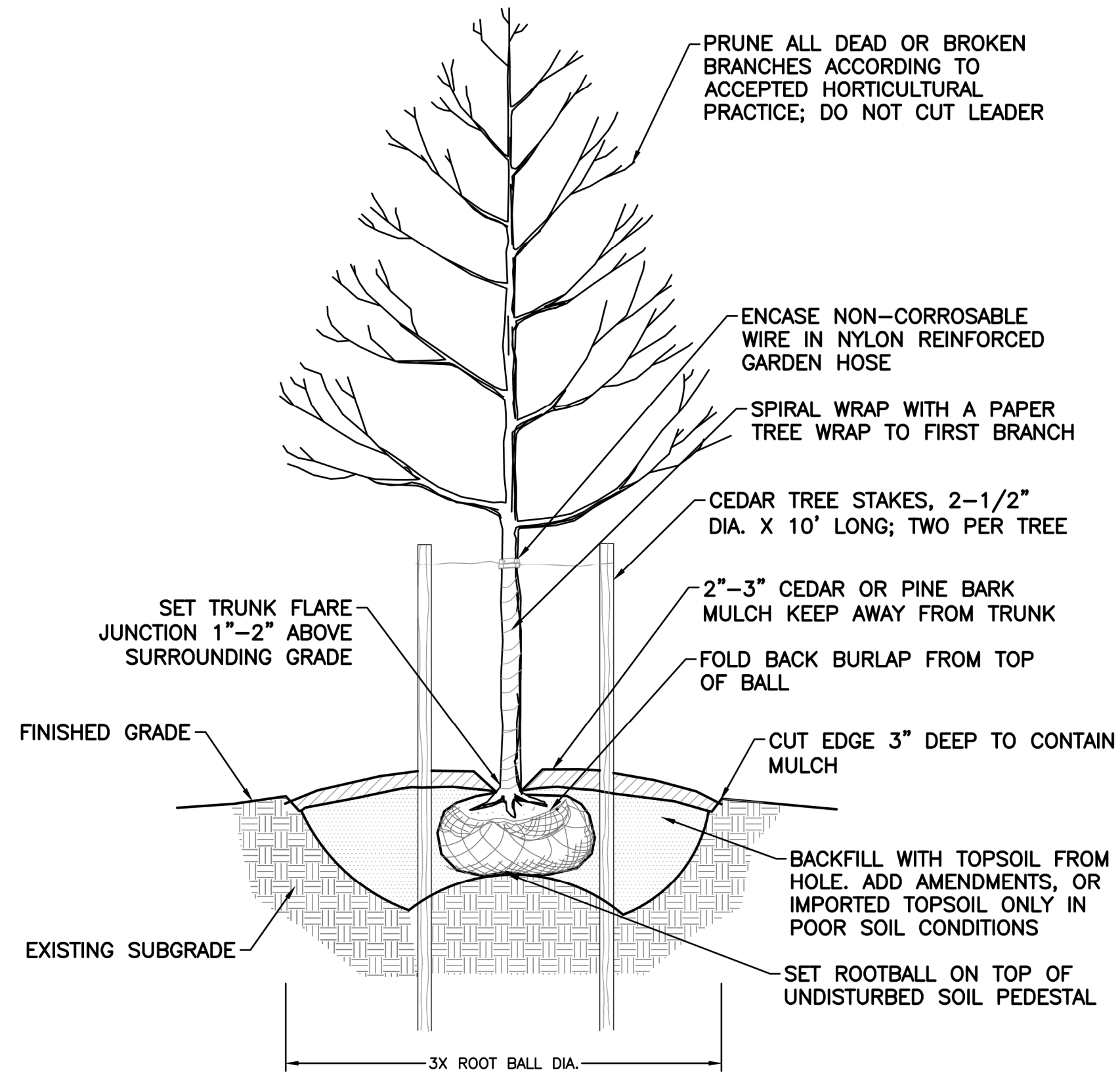
ABRV.	QTY	COMMON NAME	BOTANICAL NAME	SIZE	NOTES
AR	4	RED MAPLE	ACER RUBRUM 'OCTOBER GLORY'	2.5'-3" B&B	
QR	4	NORTHERN RED OAK	QUERCUS RUBRA	3'-3.5" CAL.B&B	

LOAM & MEADOW SEED MIX SCHEDULE

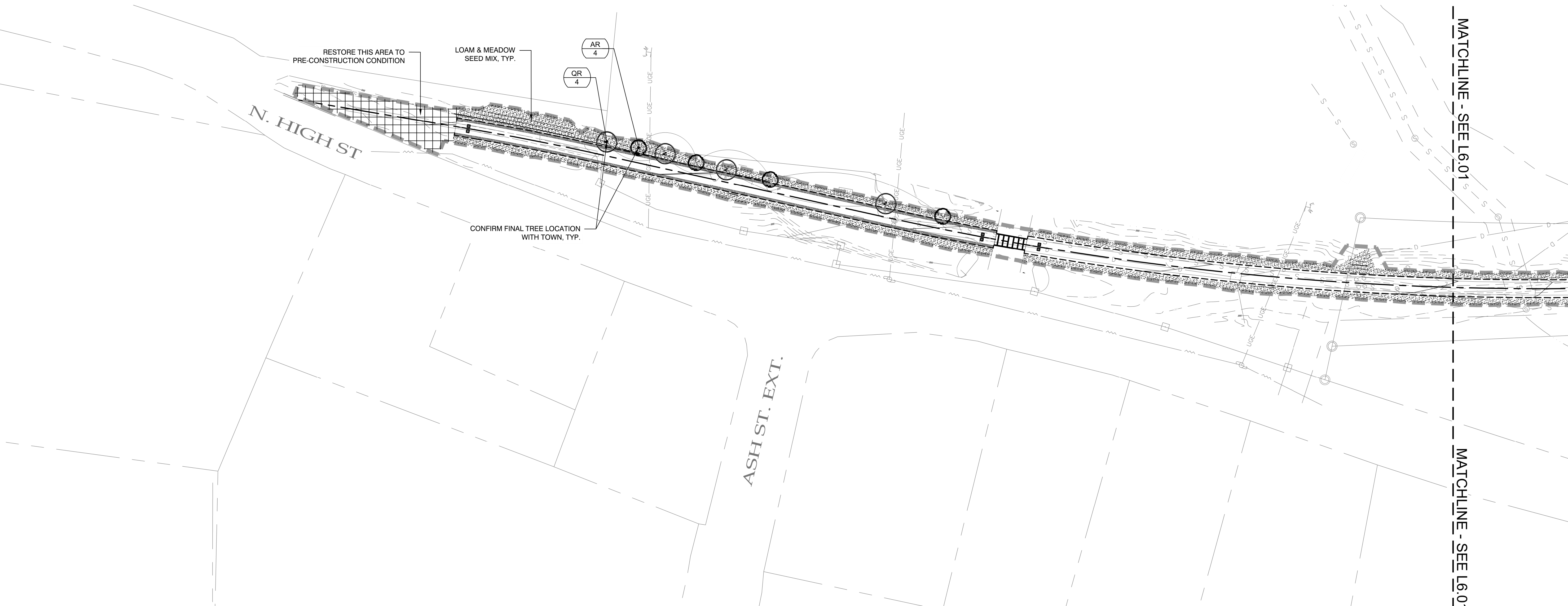
QTY	COMMON NAME	NOTES
APPLY 23 LBS/ACRE: 1900 SQ FT/LB	SHOWY WILDFLOWER MIX	SEE SPECIFICATIONS



1 LOAMING AND SEEDING DETAIL
SCALE: N.T.S.



2 SINGLE STEM TREE PLANTING DETAIL
SCALE: N.T.S.



Project:

TOWN OF DERRY



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W&S File No: 236-67

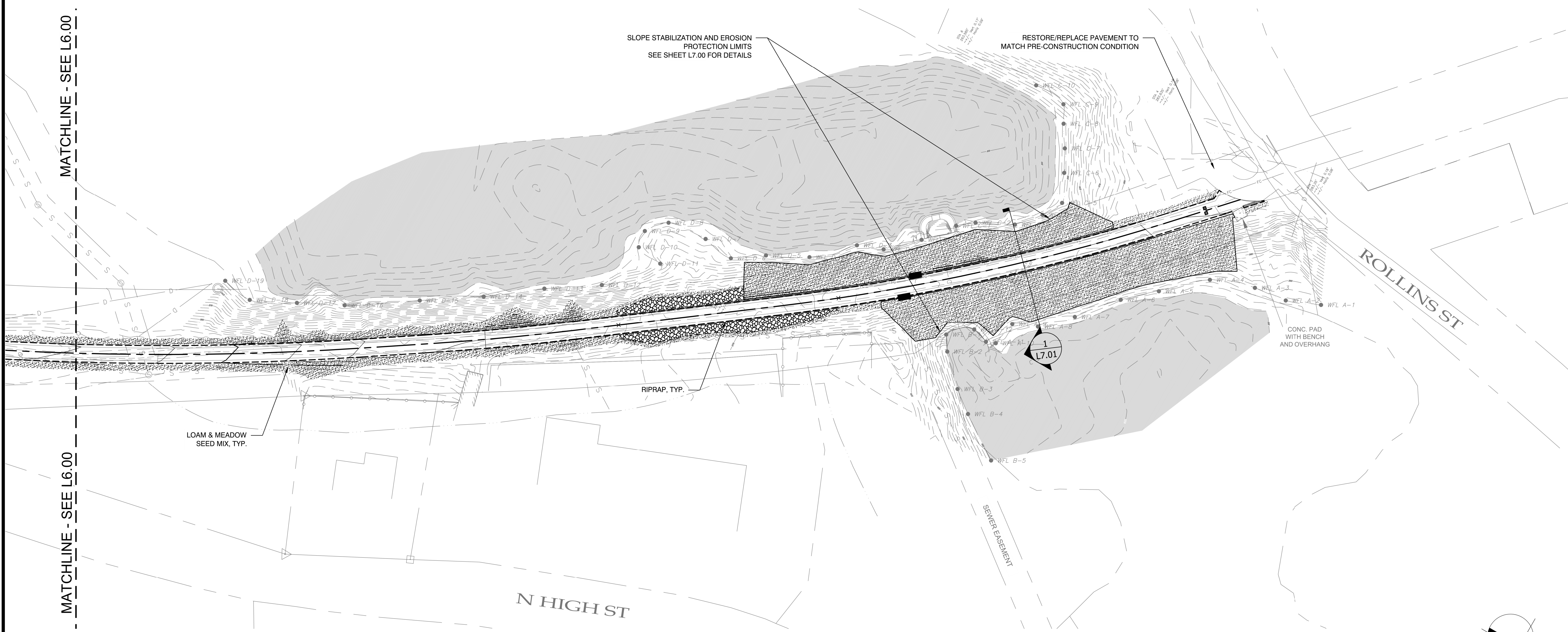
Drawing Title:


PLANTING AND SLOPE PROTECTION PLAN

Sheet Number:

L6.00

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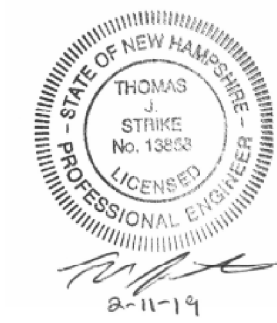
Project:
TOWN OF DERRY

 IMPROVEMENTS TO HOOD POND DAM AND RAIL TRAIL
 DERRY, NEW HAMPSHIRE

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Consultants:

Revisions:

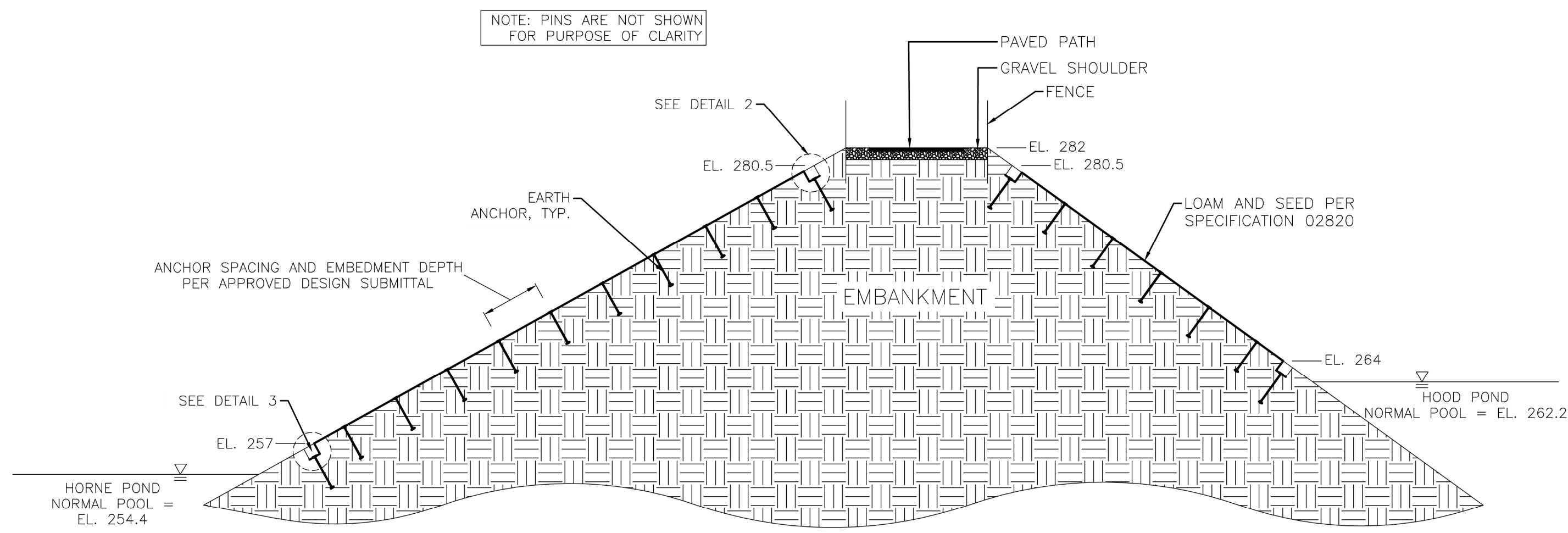
No.	Date	Description

Seal:


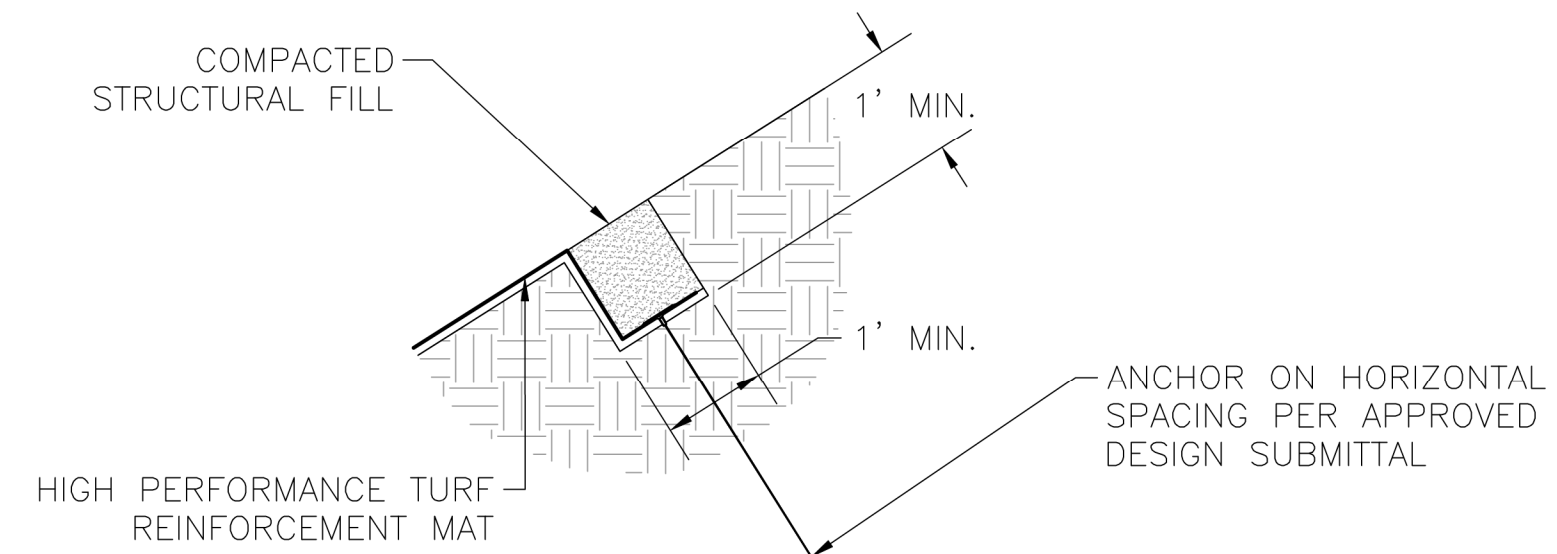
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 W&S File No: 236-66

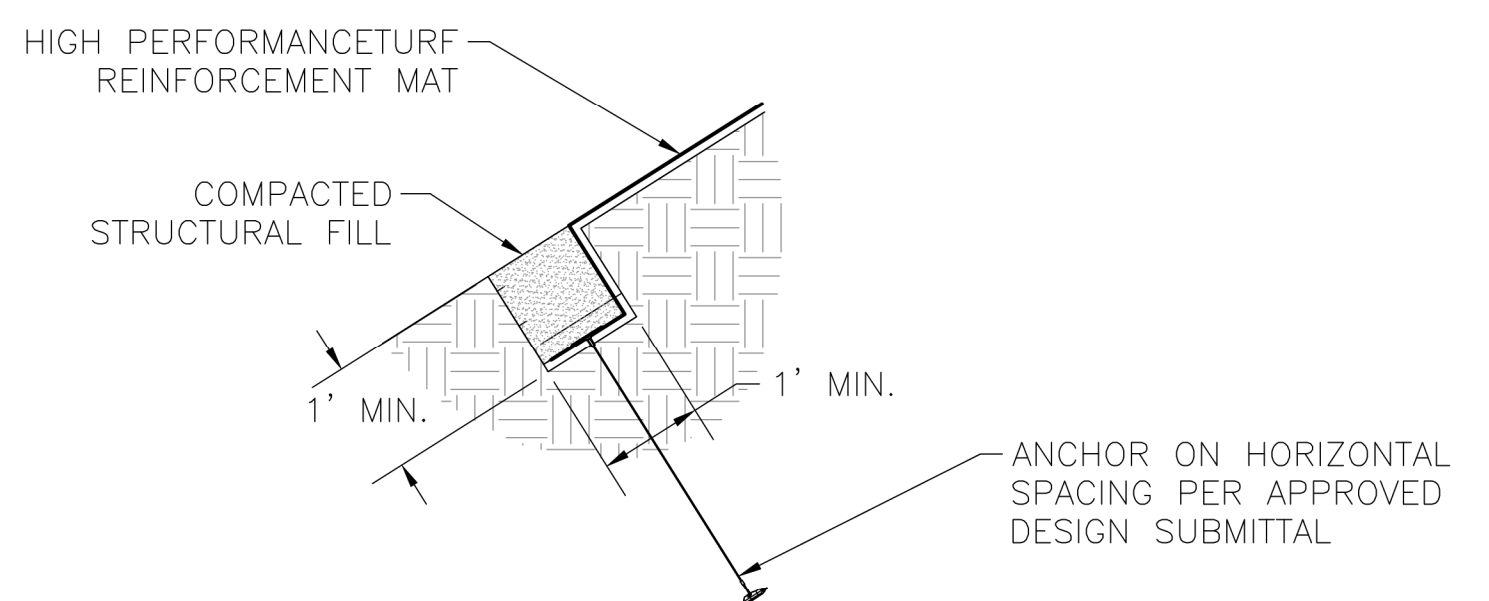
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PLANTING AND SLOPE PROTECTION PLAN
 Sheet Number:
L6.01



1 SLOPE STABILIZATION AND EROSION PROTECTION DETAIL
SCALE: N.T.S.

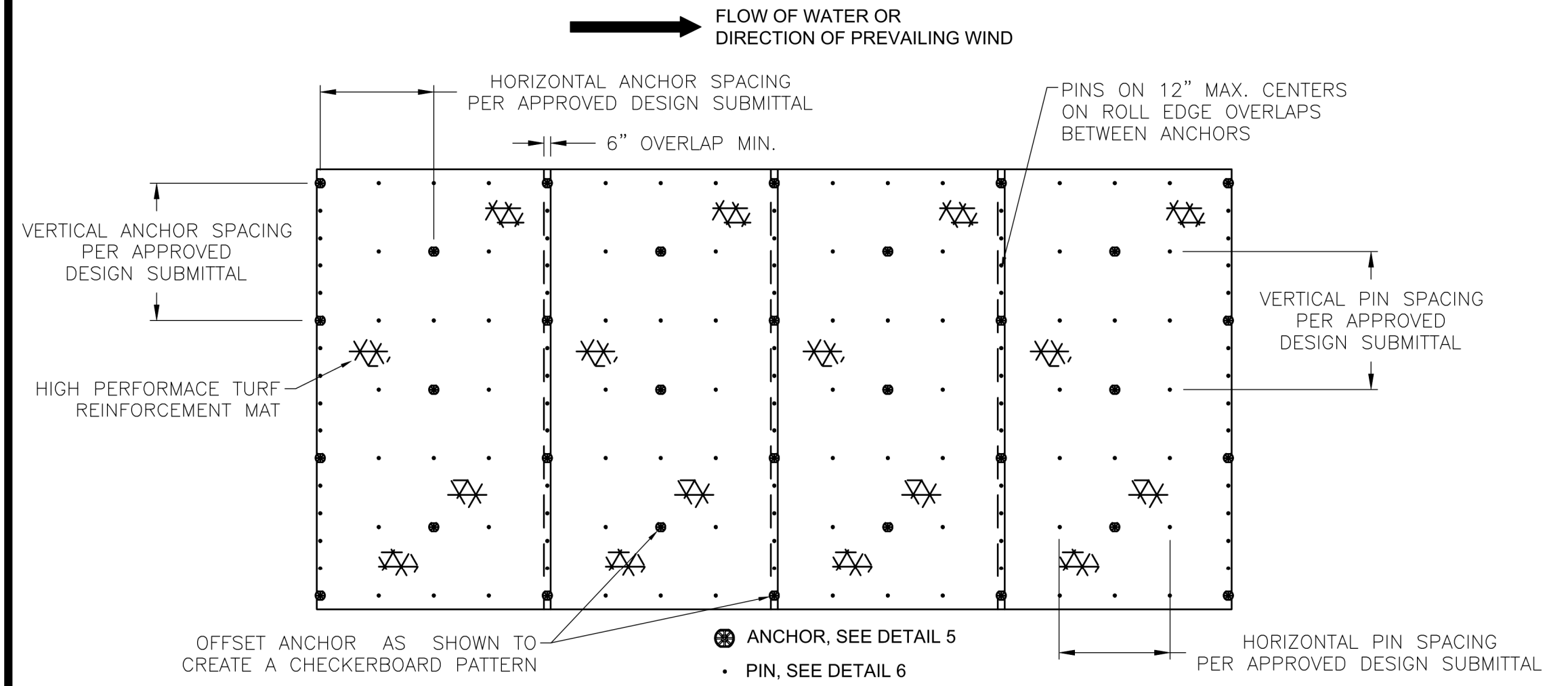


2 TOP OF SLOPE TRENCH DETAIL
SCALE: N.T.S.

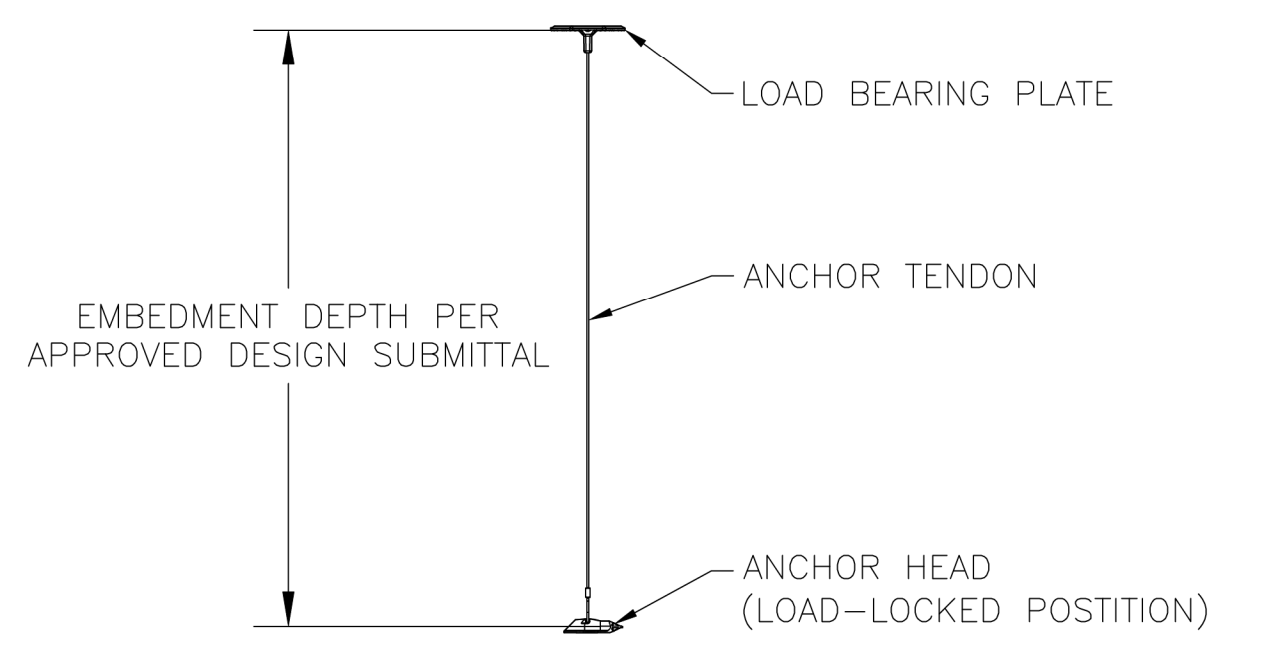


3 BOTTOM OF SLOPE TRENCH DETAIL
SCALE: N.T.S.

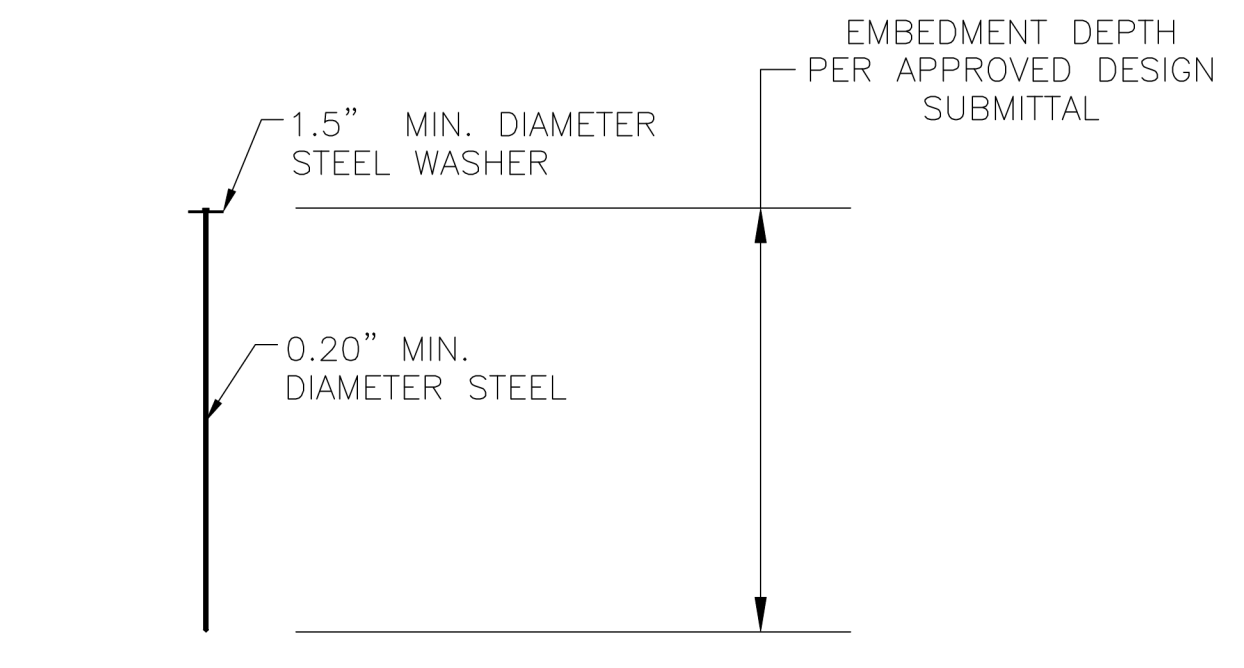
MIN/MAX ANCHOR/PIN SPACING AND EMBEDMENT DEPTHS		
SECURING DEVICE	ANCHOR	PIN
MAX HORIZONTAL ANCHOR SPACING	4 FT	2 FT
MAX VERTICAL ANCHOR SPACING	5 FT	2.5 FT
MIN EMBEDMENT DEPTH	4 FT	2 FT



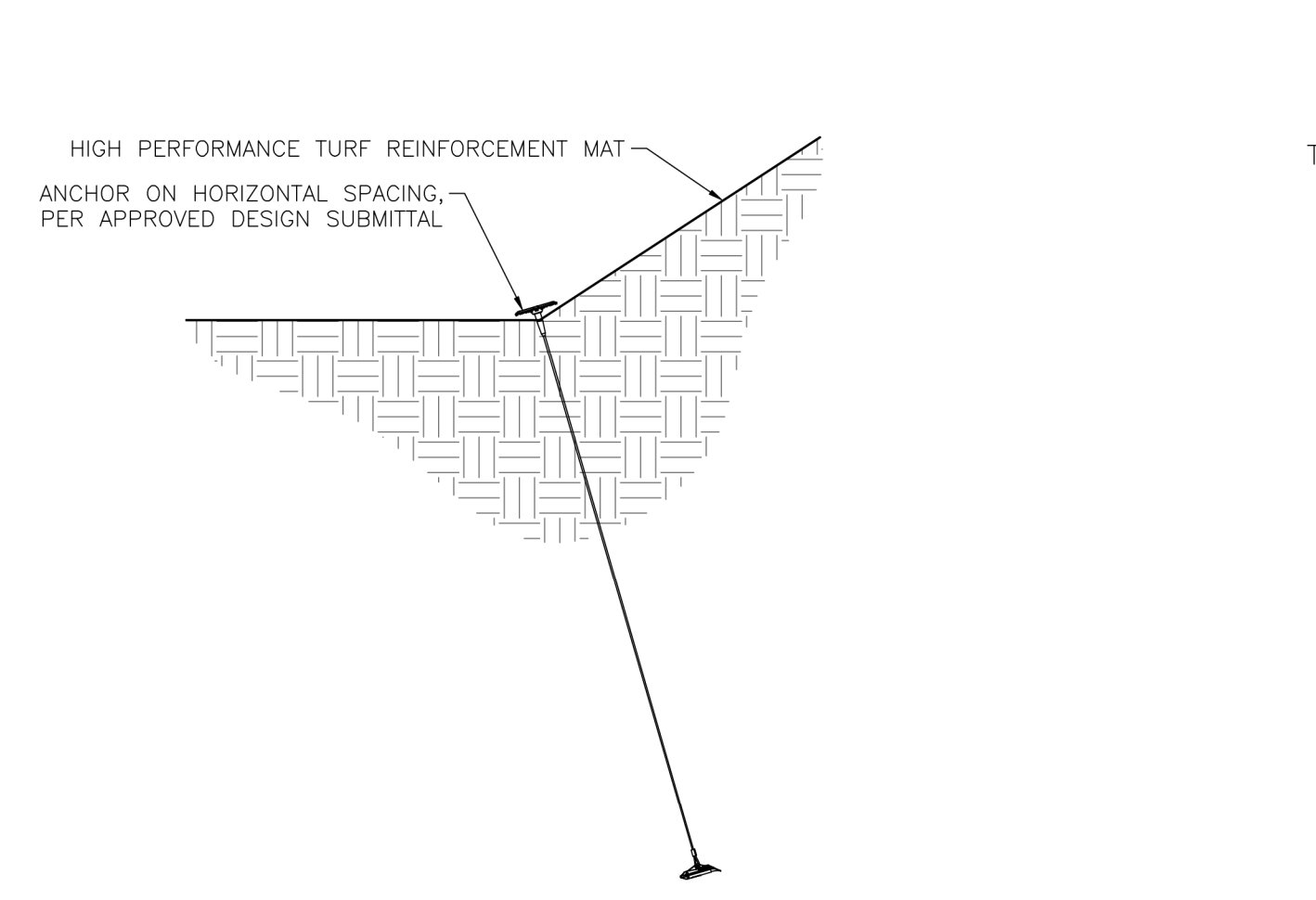
4 ANCHOR/PIN PATTERN DETAIL
SCALE: N.T.S.



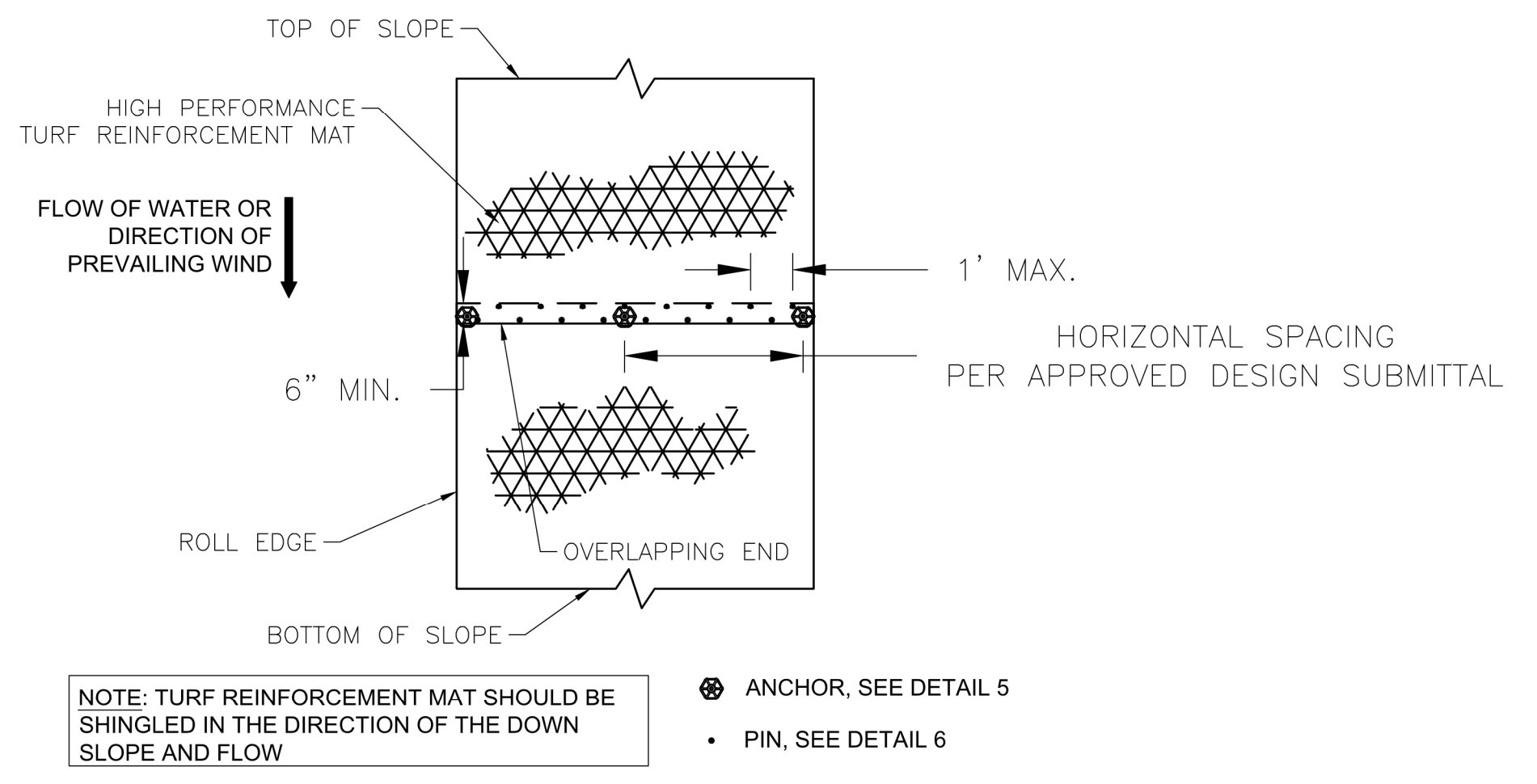
5 ENGINEERED EARTH ANCHOR DETAIL
SCALE: N.T.S.



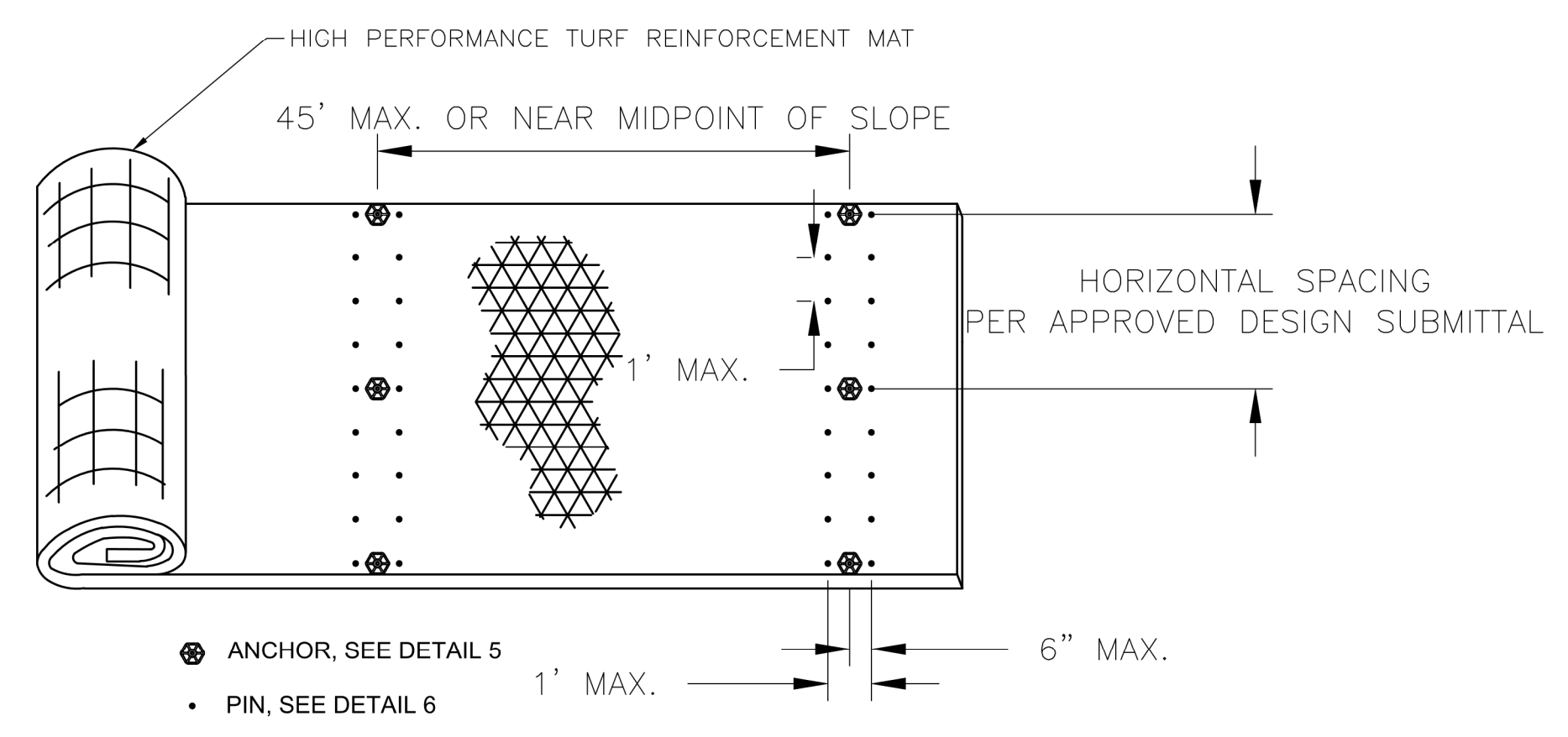
6 PIN DETAIL
SCALE: N.T.S.



7 BREAK IN SLOPE DETAIL
SCALE: N.T.S.



8 OVERLAP AT ROLL END DETAIL
SCALE: N.T.S.

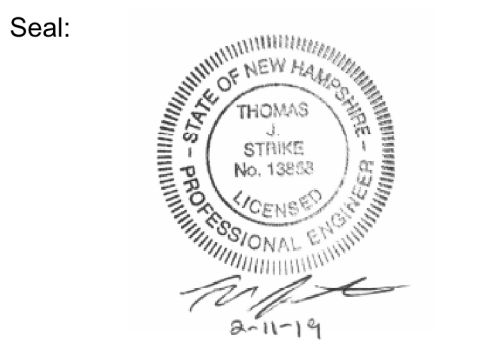


9 SIMULATED CHECK SLOT DETAIL
SCALE: N.T.S.

Consultants:

Revisions:

No.	Date	Description



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W&S File No:	236-65

Drawing Title:
SLOPE PROTECTION DETAILS
Sheet Number:
L7.00

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