



# Mary E. Bartlett Memorial Library Amphitheater Improvement Project 22 Dalton Road Brentwood, New Hampshire

ISSUED FOR CONTRACTOR BIDDING OCTOBER 2, 2023

## List of Drawings

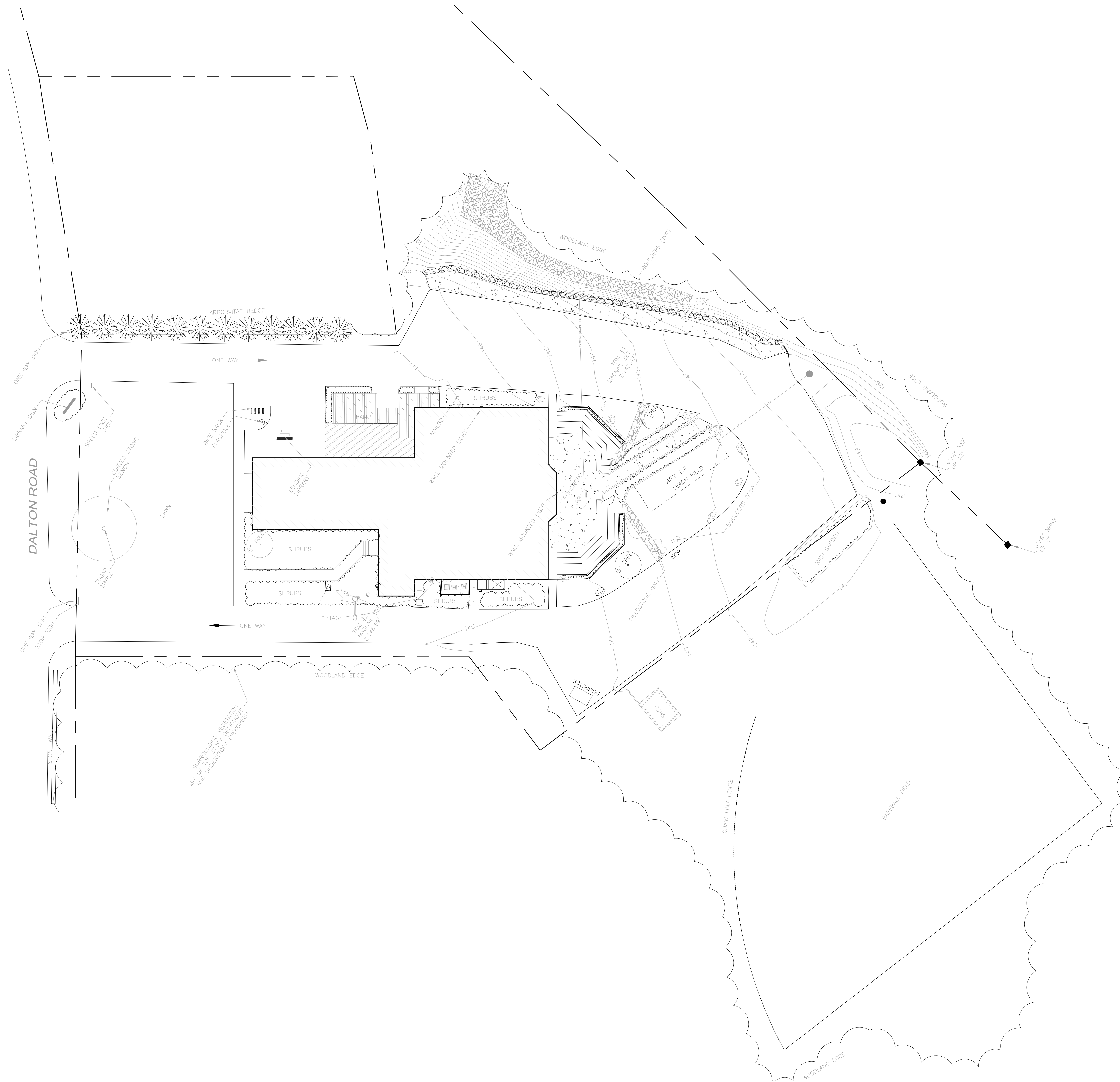
EX1.0	Existing Conditions Plan
L1.0	Site Preparation Plan
C1	Civil Site Layout and Grading Plan
D1	Civil Notes
D2	Civil Construction Details
L2.0	Landscape Layout and Materials Plan
L2.1	Planting Plan
L3.0	Landscape Notes
L3.1-L3.3	Landscape Construction Details



Ironwood Design Group, LLC  
P.O. Box 873  
Exeter, New Hampshire 03833  
Phone: 603.772.0590  
www.FeWood.com



James Verra Associates / Emanuel Engineering Inc.  
101 Shattuck Way, Suite 8  
Newington, New Hampshire 03801  
Phone: 603.436.3557  
www.jvasurveyors.com



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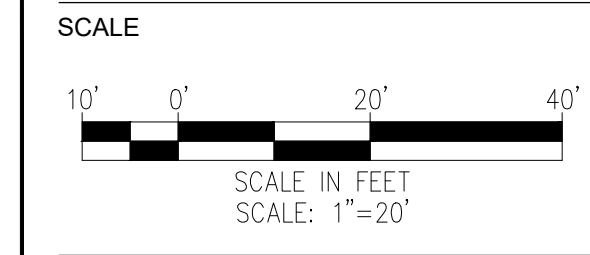
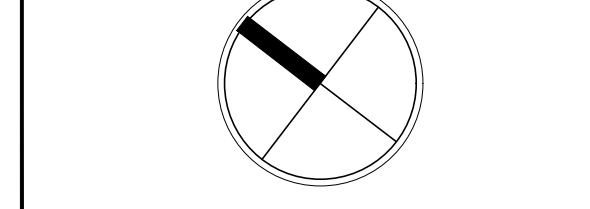
**Mary E. Bartlett Memorial Library  
Amphitheater Improvement Project**  
22 Dalton Road  
Brentwood, New Hampshire

SHEET TITLE  
**EXISTING  
CONDITIONS PLAN**

REVISION LOG

REV#	DATE	DESCRIPTION

REV#	DATE	DESCRIPTION



**EX1.0**



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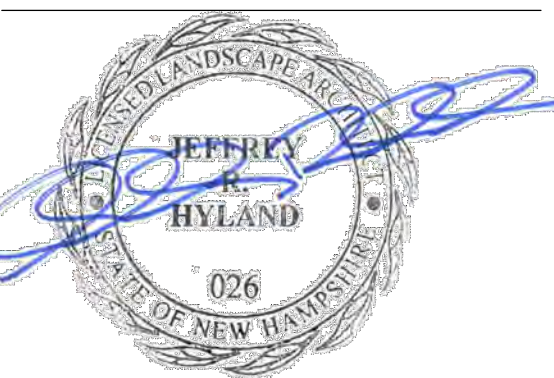
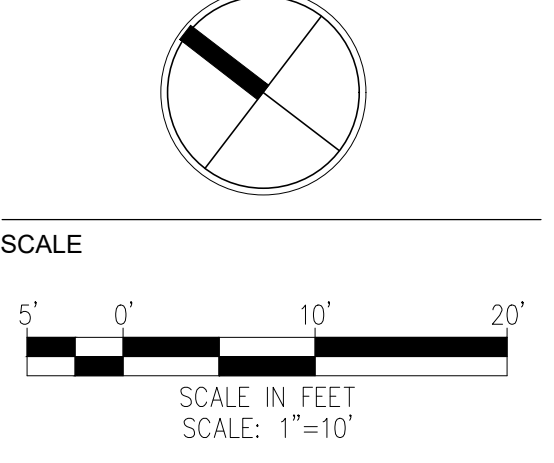
**Mary E. Bartlett Memorial Library  
Amphitheater Improvement Project**  
22 Dalton Road  
Brentwood, New Hampshire

SHEET TITLE  
**SITE PREPARATION  
PLAN**

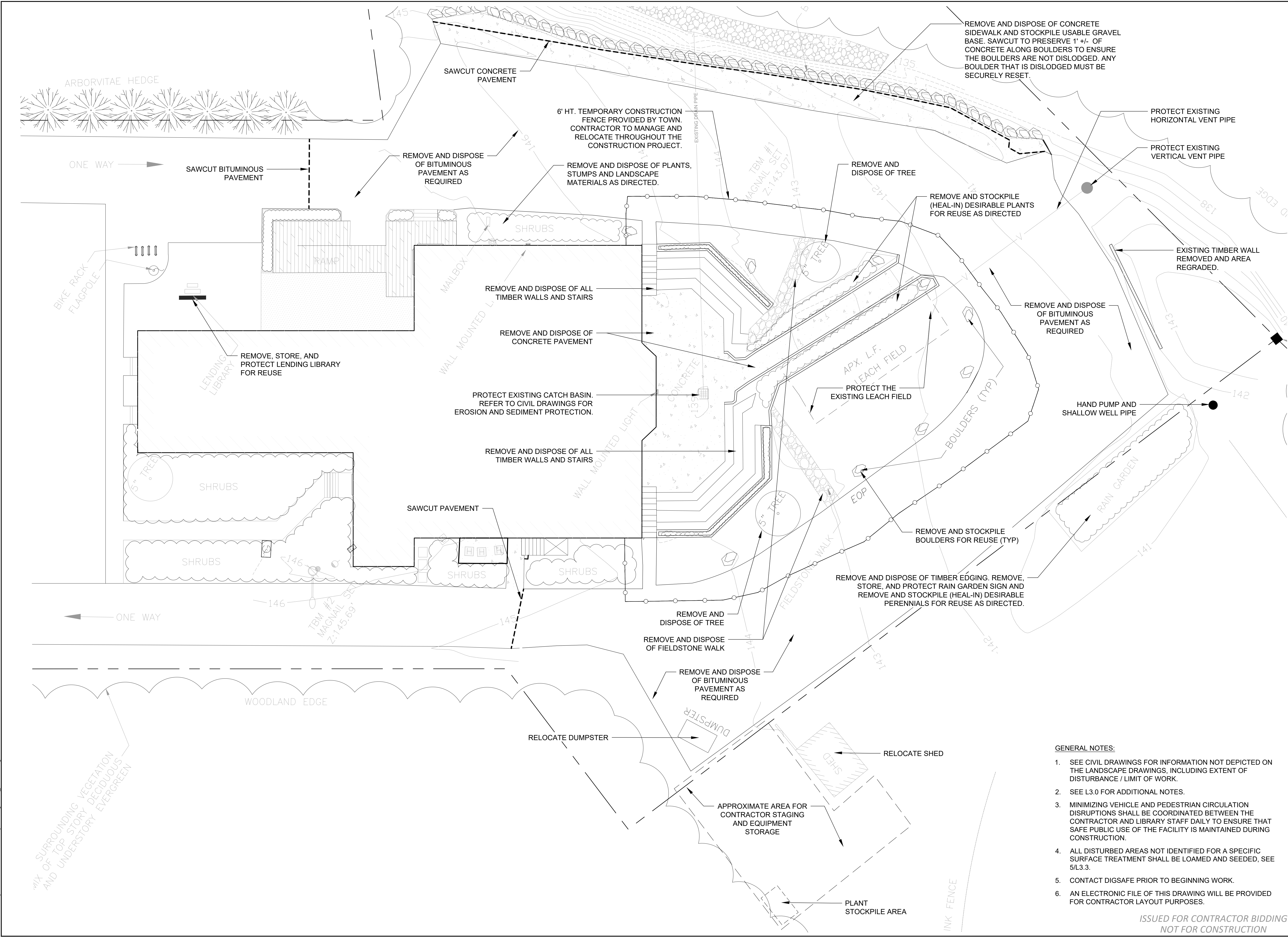
REVISION LOG

REV#	DATE	DESCRIPTION

PROJECT NO. 22058.0  
DESIGN BY J.HYLAND  
DRAWN BY S.WRIGHT, JHYLAND  
CHECKED BY J.HYLAND, D.JENSEN  
DATE 10/2/2023  
NORTH



**L1.0**

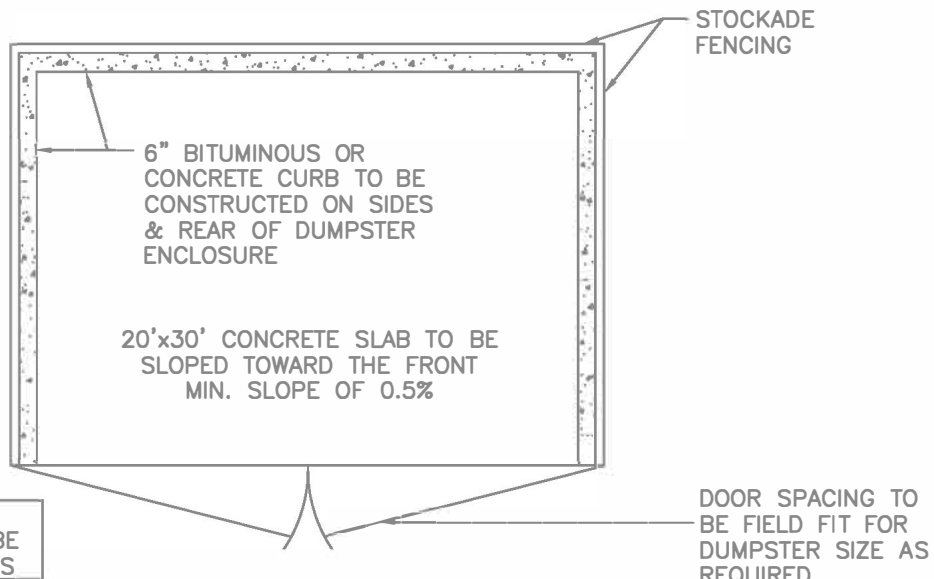


- GENERAL NOTES:**
- SEE CIVIL DRAWINGS FOR INFORMATION NOT DEPICTED ON THE LANDSCAPE DRAWINGS, INCLUDING EXTENT OF DISTURBANCE / LIMIT OF WORK.
  - SEE L3.0 FOR ADDITIONAL NOTES.
  - MINIMIZING VEHICLE AND PEDESTRIAN CIRCULATION DISRUPTIONS SHALL BE COORDINATED BETWEEN THE CONTRACTOR AND LIBRARY STAFF DAILY TO ENSURE THAT SAFE PUBLIC USE OF THE FACILITY IS MAINTAINED DURING CONSTRUCTION.
  - ALL DISTURBED AREAS NOT IDENTIFIED FOR A SPECIFIC SURFACE TREATMENT SHALL BE LOAMED AND SEEDED, SEE 5/L3.3.
  - CONTACT DIGSAFE PRIOR TO BEGINNING WORK.
  - AN ELECTRONIC FILE OF THIS DRAWING WILL BE PROVIDED FOR CONTRACTOR LAYOUT PURPOSES.

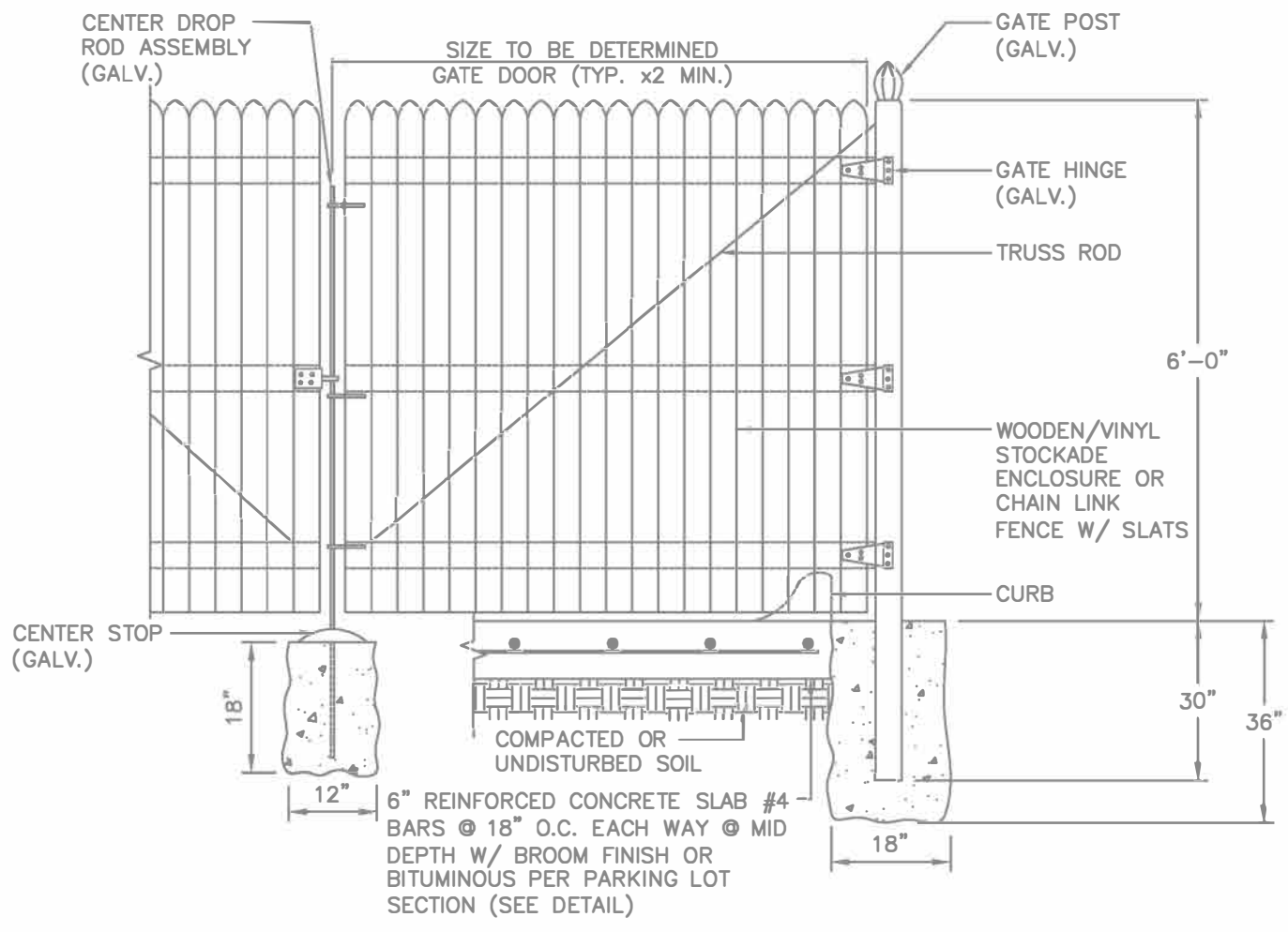
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NOT FOR CONSTRUCTION





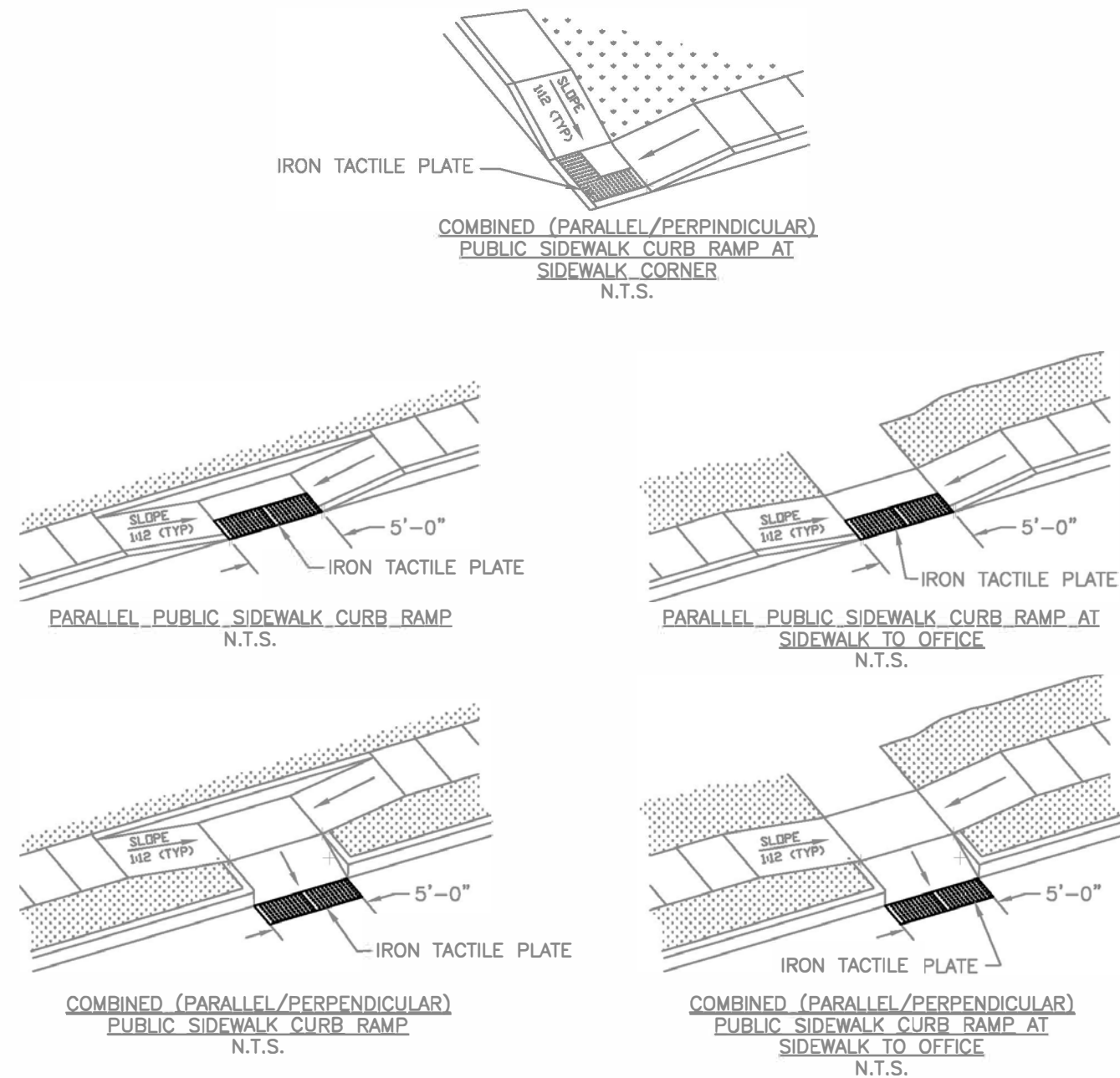


DUMPSTER SLAB DETAIL

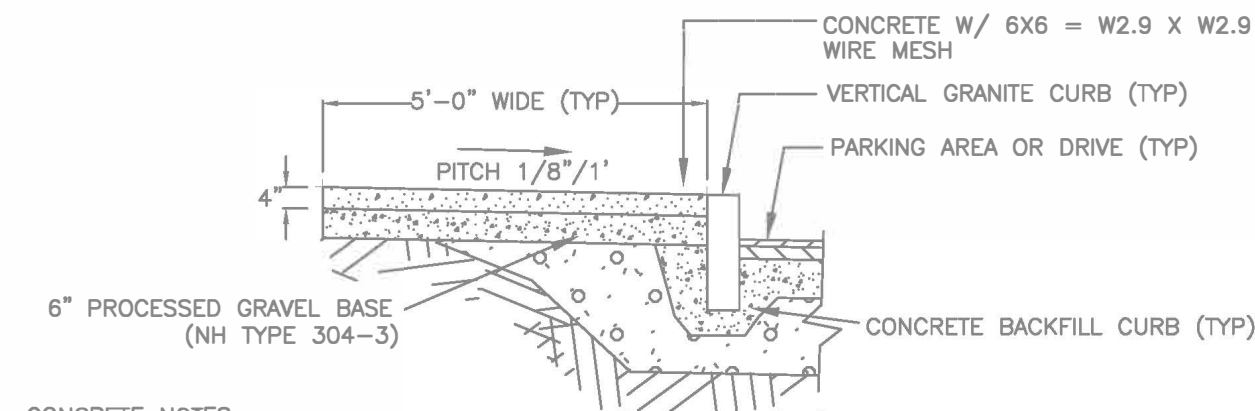


STOCKADE DUMPSTER ENCLOSURE DETAIL - ADD ALTERNATE 4  
N.T.S.

NOTE: CONSTRUCTION TO COMPLY WITH CURRENT ADA STANDARDS.



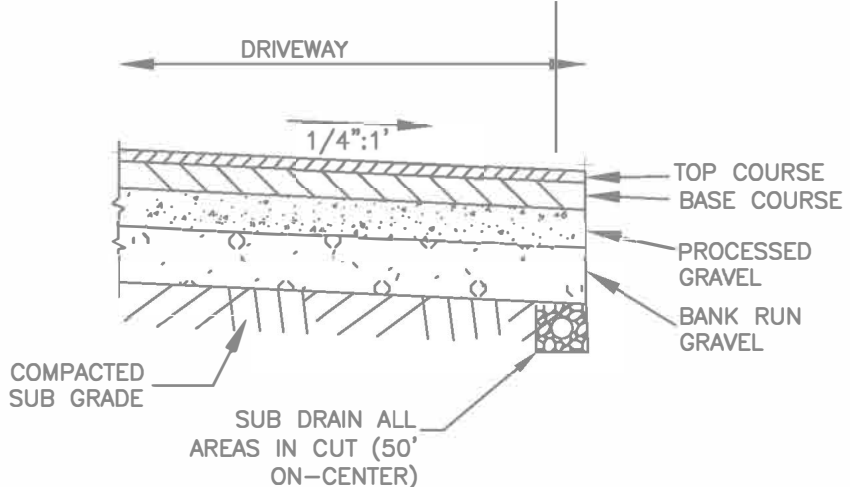
ACCESSIBILITY RAMP DETAILS  
N.T.S.



CONCRETE NOTES:

- CONCRETE WORK SHALL CONFORM TO THE FOLLOWING NOTES AND SPECIFICATIONS.
  - "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" - ACI 301-05.
  - "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" - ACI 318-08.
- COMPRESSIVE STRENGTH OF CONCRETE SHALL BE 4000 PSI AFTER 28 DAYS WITH 5 - 7% AIR ENTRAINMENT, W.R. GRACE "ECLIPSE PLUS" SHRINKAGE ADMIXTURE, AND W.R. GRACE "DCI-S" CORROSION INHIBITOR, AND A MIDRANGE WATER REDUCER.
- FINISH CONCRETE W/ BROOM FINISH, TOOLED CONTROL JOINTS @ 5'-0" MAX SPACING, AND TOOLED JOINT ALONG ALL EDGES OF SIDEWALK.
- SLAB SHALL BE WATER CURED FOR A MINIMUM OF 5 DAYS USING WET BURLAP.

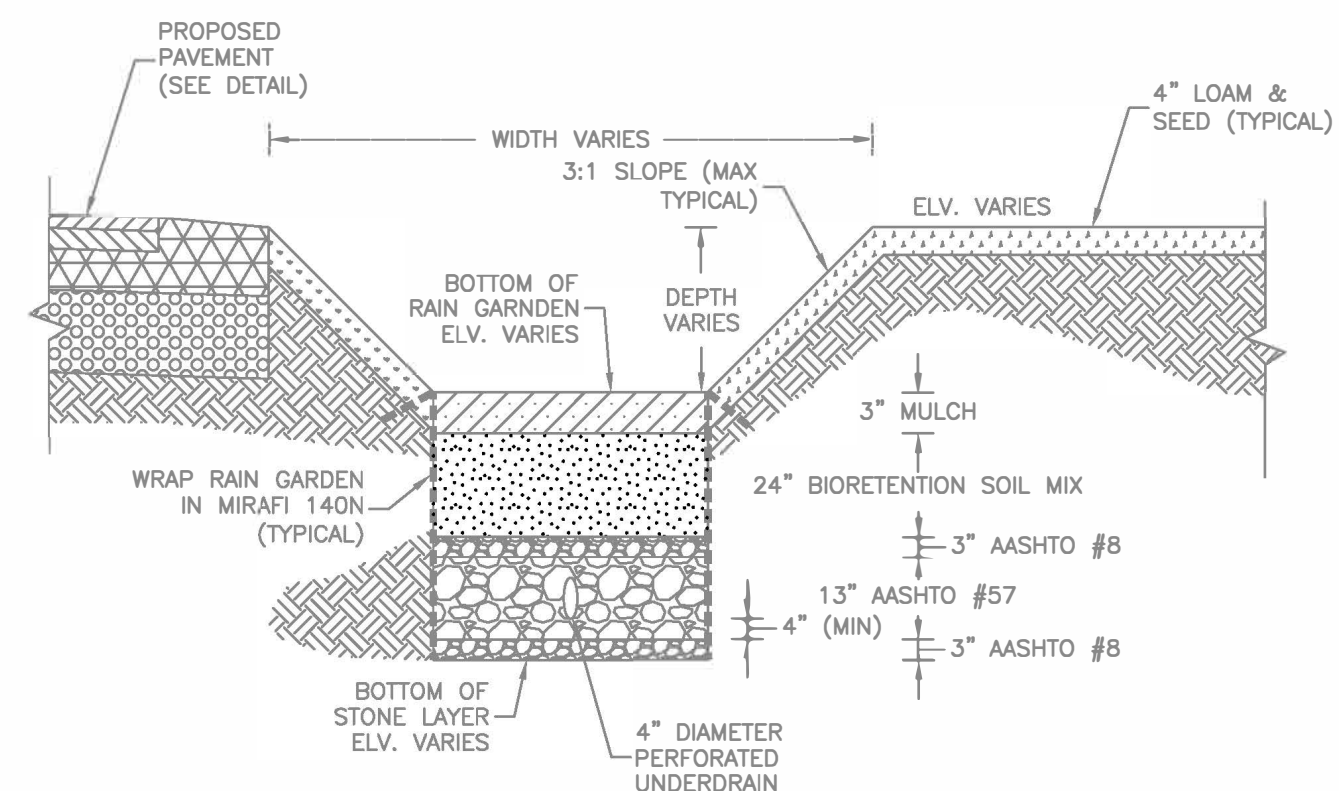
TYPICAL CONCRETE SIDEWALK DETAIL  
N.T.S.



PAVEMENT COMPONENTS:  
MATERIALS AND PLACEMENT METHODS SHOULD MEET CURRENT NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION (NHDOT) REQUIREMENTS.

DRIVEWAY & PARKING AREA:  
1-1/2" ASPHALT WEARING SURFACE, NHDOT 3" NOMINAL MAXIMUM AGGREGATE SIZE  
2-1/2" ASPHALT BASE, NHDOT 3" NOMINAL MAXIMUM AGGREGATE SIZE  
6" CRUSHED GRAVEL BASE, NHDOT TYPE 304.3  
12" GRAVEL SUB BASE, NHDOT TYPE 304.2

PAVED DRIVEWAY SECTION  
N.T.S.



BIORETENTION NOTES:

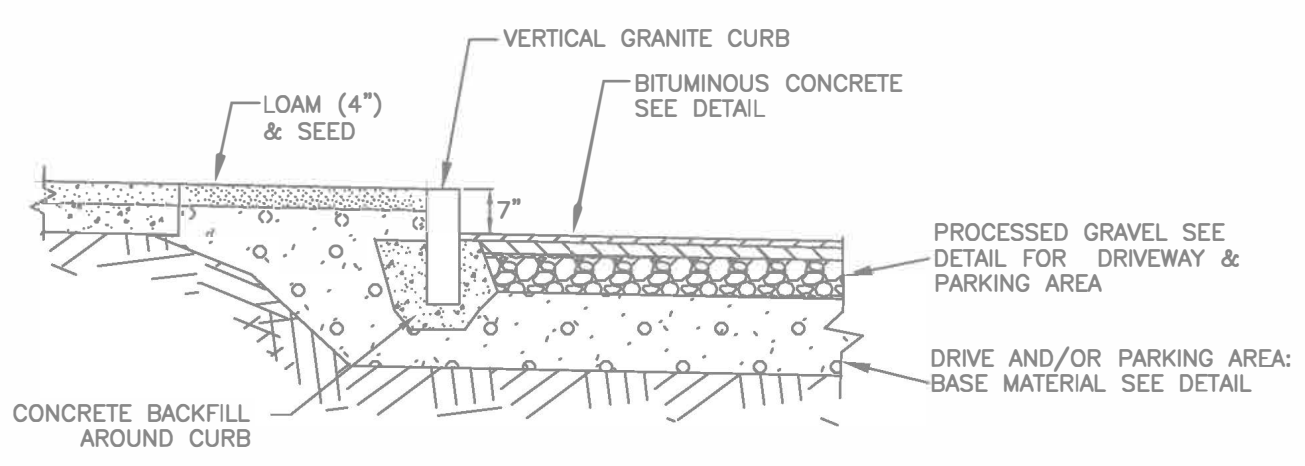
- BIORETENTION SOIL MIX DESIGN:
  - 20-30% MODERATELY FINE SHREDDED BARK OR WOOD FIBER MULCH, WITH FINES AS INDICATED (SEE GRADATION BELOW)
  - 70-80% LOAMY COARSE SAND (SEE GRADATION BELOW)
- VERIFY THAT THERE IS NO RESTRICTIVE SOIL LAYER AT BOTTOM OF EXCAVATION.
- DO NOT COMPACT SUBGRADE AT BOTTOM OF EXCAVATION.
- NO BIORETENTION SOIL MIX SHALL BE PLACED UNTIL ENGINEERING APPROVAL AND INSPECTION OF SUBGRADE HAS BEEN CONDUCTED.
- ALL FINISH GRADES AND SURFACES TO BE STABILIZED BY VEGETATION UPON COMPLETION UNLESS NOTED OTHERWISE.
- SEE LAYOUT PLAN FOR STRUCTURE ELEVATION AND INVERTS, PIPE TYPE, LENGTH, AND SLOPE, AND BIORETENTION AREA DIMENSIONS
- 6" PERFORATED PIPE IS TO BE SDR-35 WITH 1/2" DIAMETER PERFORATIONS, 3 HOLES MINIMUM PER FOOT OF LENGTH
- ALL STONE TO BE WASHED.

BIORETENTION FILTER MEDIA GRADATION

COMPONENT MATERIAL	PERCENT OF MIXTURE BY VOLUME	SIEVE NO.	PERCENT BY WEIGHT PASSING STANDARD SIEVE
MODERATELY FINE SHREDDED BARK OR WOOD FIBER MULCH, WITH FINES AS INDICATED	20 TO 30	200	<5
LOAMY COARSE SAND	70 TO 80	10	85 TO 100
		20	70 TO 100
		60	15 TO 40
		200	8 TO 15

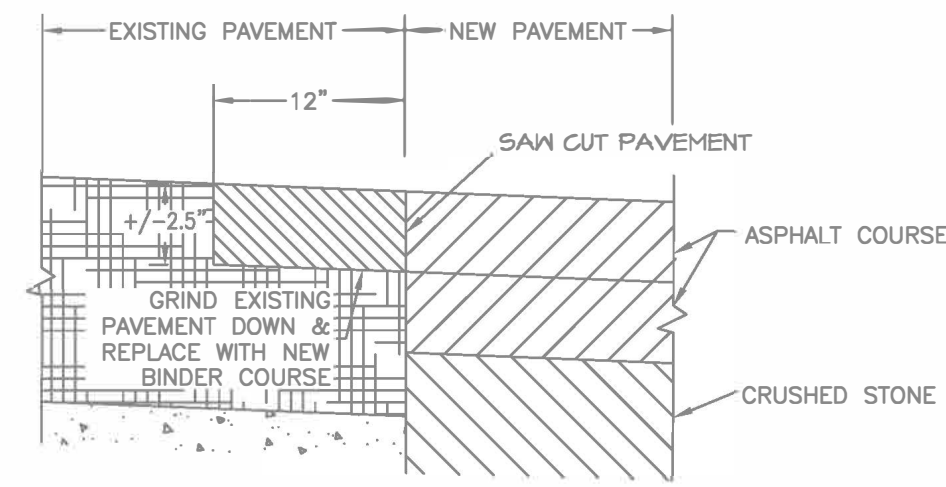
NOTES:  
1. GRADATION INFORMATION FROM ENV-WQ 1508.07.k.4.b SHOWN. AS AN ALTERNATIVE GRADATION, THE BIORETENTION FILTER MEDIA DESCRIBED IN ENV-WQ 1508.07.k.4.a MAY ALSO BE USED WITH ENGINEER'S APPROVAL.

TYPICAL RAIN GARDEN DETAIL  
N.T.S.



VERTICAL CURB DETAIL  
N.T.S.

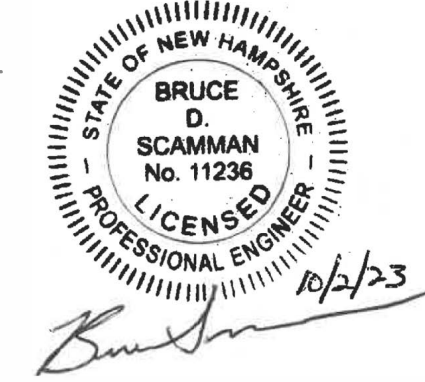
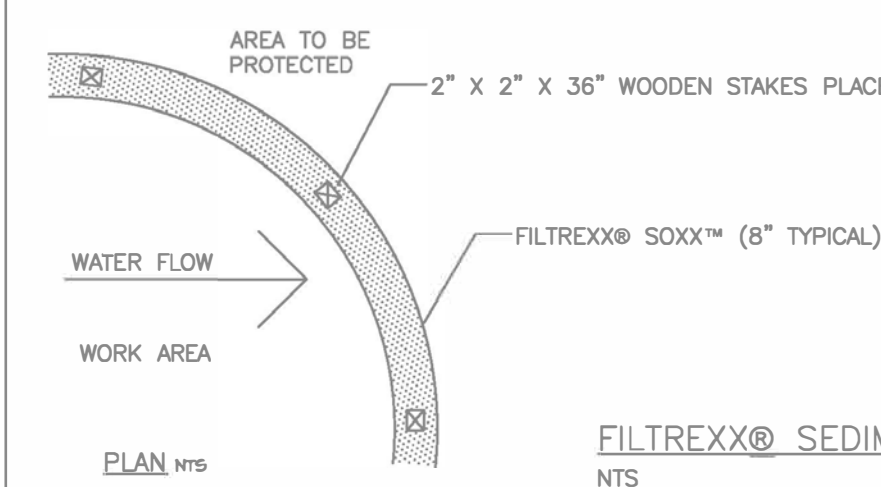
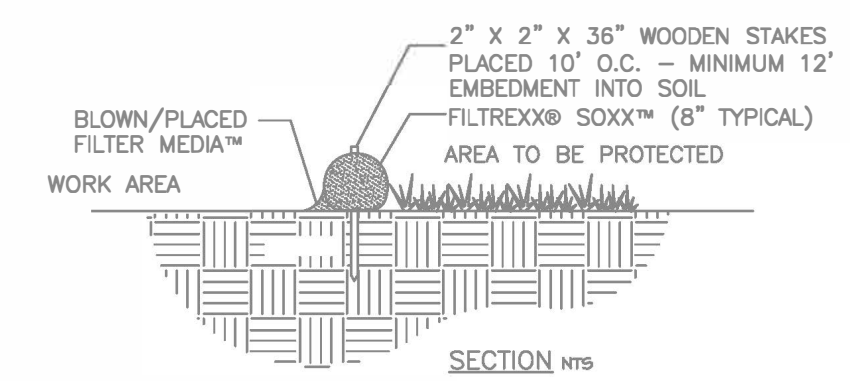
NOTES:  
1. ALL GRAVEL AND SUBGRADE TO BE COMPACTED TO 95% MAXIMUM DRY DENSITY PER ASTM D1557 WITHIN 3% OF OPTIMUM MOISTURE CONTENT.  
2. MATERIALS MAY VARY UNDERNEATH EXISTING SECTION.



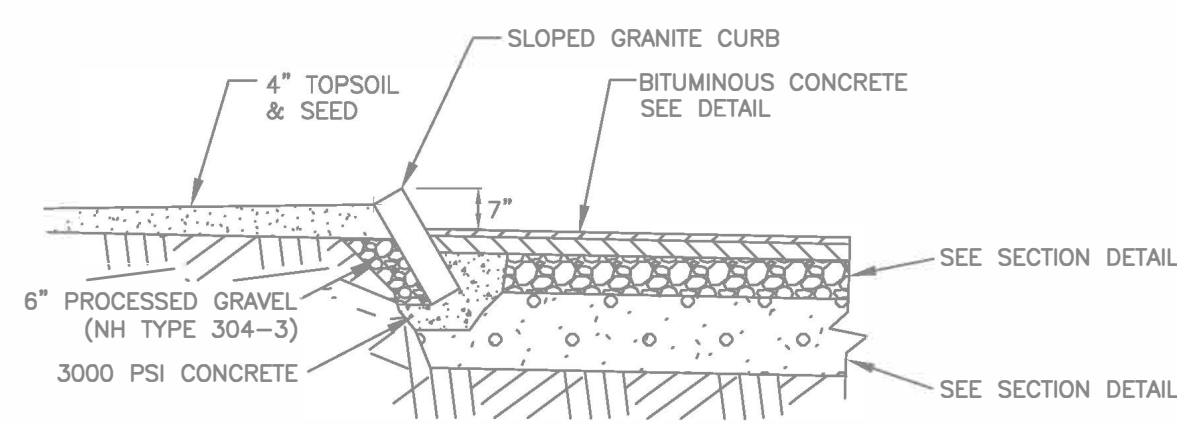
SAW CUT & GRIND DOWN DETAIL  
NOT TO SCALE

NOTES:

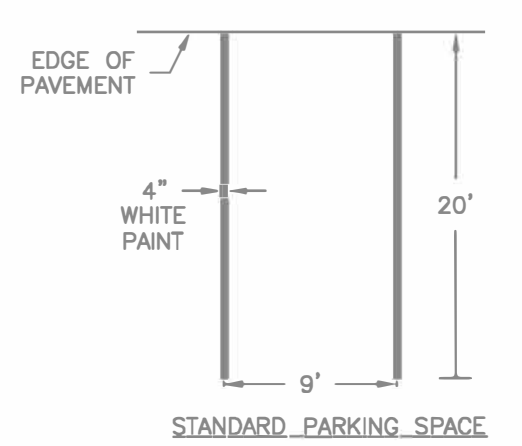
- ALL MATERIAL TO MEET FILTREXX® SPECIFICATIONS.
- FILTER MEDIA FILL TO MEET APPLICATION REQUIREMENTS.
- COMPOST MATERIAL TO BE DISPersed ON SITE, AS DETERMINED BY ENGINEER.
- ADDITIONAL INFO AVAILABLE AT [HTTP://WWW.FILTREXX.COM](http://www.filtrex.com)



FILTREXX® SEDIMENT CONTROL  
N.T.S.

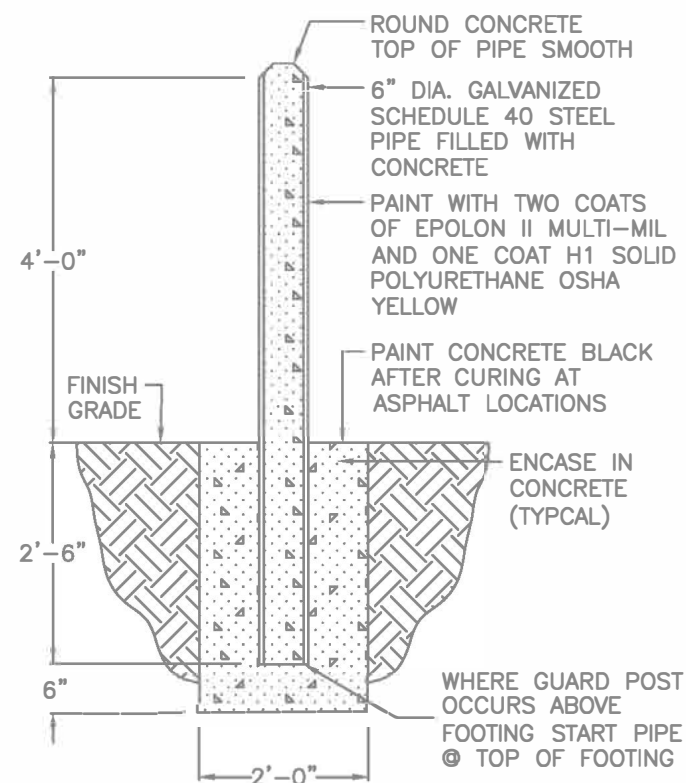


SLOPED CURB DETAIL  
N.T.S.

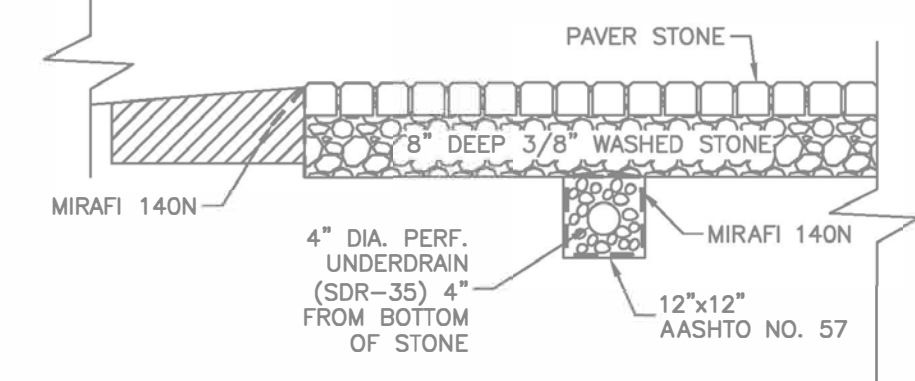


PAINTING NOTES:  
1. ALL PAINTING TO BE REFLECTIVE.

PAINT STRIPING DETAILS  
NOT TO SCALE



DUMPSTER BOLLARD DETAIL  
ADD ALTERNATE 4



- NOTES:
- PERFORATED PIPES SHALL FLOW TOWARDS THE CATCH BASIN WITHIN THE PROPOSED POROUS PAVERS.
  - PERFORATED PIPES SHALL HAVE TWO ROWS OF HOLES 1/2" IN DIAMETER, 5 INCHES ON CENTER, AND SPACED 20" APART. PERFORATIONS SHALL BE MIRRORRED ABOUT THE Y-AXIS, AND BOTH SHALL BE LOCATED ON THE BOTTOM HALF OF THE PIPE.
  - EXTERIOR OF PAVER SECTION SHALL BE BOUNDED BY MIRAFI 140N.
  - UNDERDRAINS TO TIE INTO RETAINING WALL DRAINS.
  - PAVER STONES TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.

POROUS PAVER SECTION DETAIL  
NOT TO SCALE

DATE: SEPT. 15, 2023  
JOB NO: 24029  
SCALE: AS SHOWN  
DWG NAME: 24029-DETAILS  
PLAN NO: 24029-1  
SHEET: D2

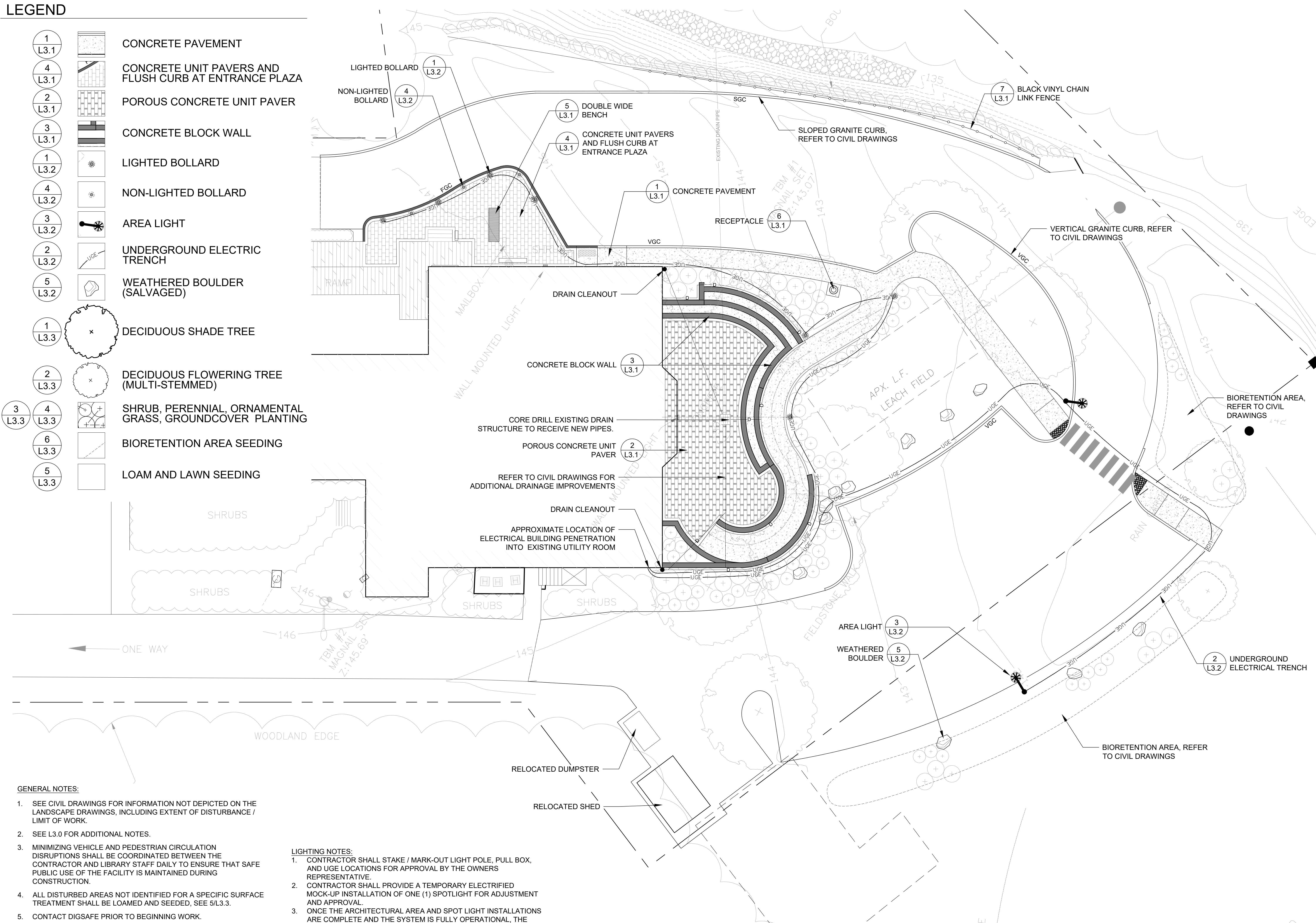


PROJECT DETAILS  
MARY E. BARTLETT MEMORIAL LIBRARY (SITE)  
22 DALTON ROAD, BRENTWOOD, NEW HAMPSHIRE, NH  
TAX MAP 216 LOT 19  
PREPARED FOR: TOWN OF BRENTWOOD, NH  
LAND OF: TOWN OF BRENTWOOD, NH

REV	DATE	DESC	APPR
1	09/29/23	FOR APPROVAL	

**LEGEND**

- 1 L3.1 CONCRETE PAVEMENT
- 4 L3.1 CONCRETE UNIT PAVERS AND FLUSH CURB AT ENTRANCE PLAZA
- 2 L3.1 POROUS CONCRETE UNIT PAVER
- 3 L3.1 CONCRETE BLOCK WALL
- 1 L3.2 LIGHTED BOLLARD
- 4 L3.2 NON-LIGHTED BOLLARD
- 3 L3.2 AREA LIGHT
- 2 L3.2 UNDERGROUND ELECTRIC TRENCH
- 5 L3.2 WEATHERED BOULDER (SALVAGED)
- 1 L3.3 DECIDUOUS SHADE TREE
- 2 L3.3 DECIDUOUS FLOWERING TREE (MULTI-STEMMED)
- 3 L3.3 SHRUB, PERENNIAL, ORNAMENTAL GRASS, GROUNDCOVER PLANTING
- 4 L3.3 SHRUB, PERENNIAL, ORNAMENTAL GRASS, GROUNDCOVER PLANTING
- 6 L3.3 BIORETENTION AREA SEEDING
- 5 L3.3 LOAM AND LAWN SEEDING



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  - MINIMIZING VEHICLE AND PEDESTRIAN CIRCULATION DISRUPTIONS SHALL BE COORDINATED BETWEEN THE CONTRACTOR AND LIBRARY STAFF DAILY TO ENSURE THAT SAFE PUBLIC USE OF THE FACILITY IS MAINTAINED DURING CONSTRUCTION.
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  - CONTACT DIGSAFE PRIOR TO BEGINNING WORK.
  - AN ELECTRONIC FILE OF THIS DRAWING WILL BE PROVIDED FOR CONTRACTOR LAYOUT PURPOSES.

- LIGHTING NOTES:**
- CONTRACTOR SHALL STAKE / MARK-OUT LIGHT POLE, PULL BOX, AND UGE LOCATIONS FOR APPROVAL BY THE OWNERS REPRESENTATIVE.
  - CONTRACTOR SHALL PROVIDE A TEMPORARY ELECTRIFIED MOCK-UP INSTALLATION OF ONE (1) SPOTLIGHT FOR ADJUSTMENT AND APPROVAL.
  - ONCE THE ARCHITECTURAL AREA AND SPOT LIGHT INSTALLATIONS ARE COMPLETE AND THE SYSTEM IS FULLY OPERATIONAL, THE CONTRACTOR SHALL COORDINATE FINAL LIGHT LEVEL, ANGLE, AND COLOR ADJUSTMENTS WITH THE OWNER'S REPRESENTATIVE.



**Mary E. Bartlett Memorial Library  
Amphitheater Improvement Project**

22 Dalton Road  
Brentwood, New Hampshire

**LANDSCAPE LAYOUT & MATERIALS PLAN**

REVISION LOG

REV#	DATE	DESCRIPTION
1	10/2/2023	ISSUED FOR CONTRACTOR BIDDING

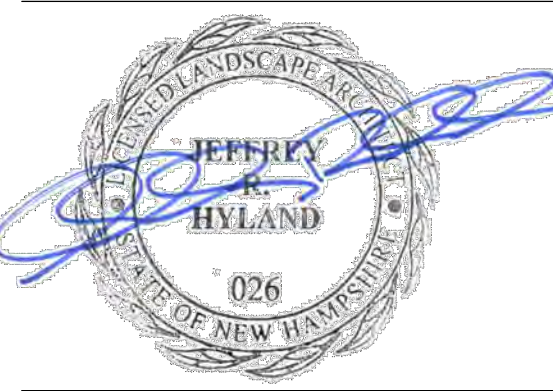
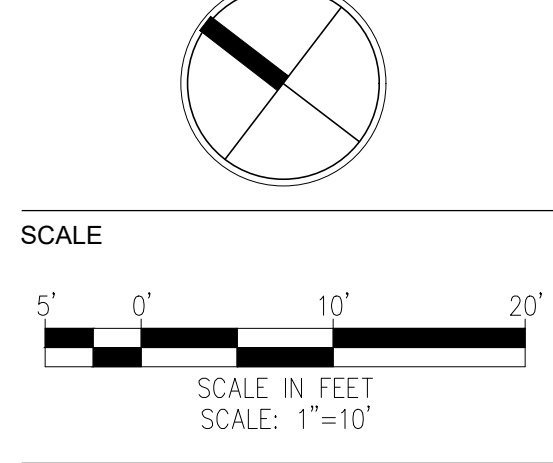
PROJECT NO. 22058.0

DESIGN BY J.HYLAND

DRAWN BY S.WRIGHT, JHYLAND

CHECKED BY J.HYLAND, D.JENSEN

DATE 10/2/2023

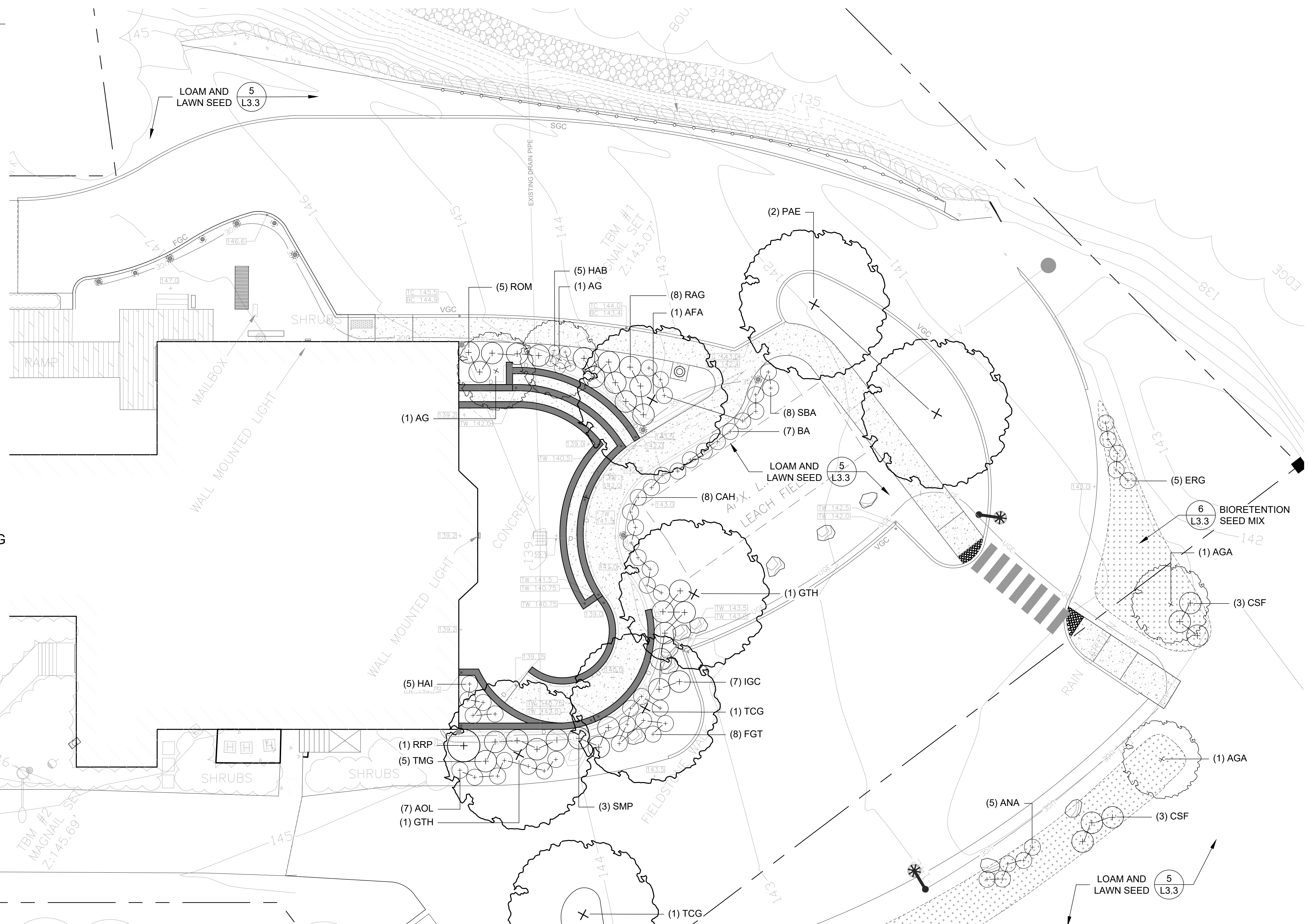


**L2.0**

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**LEGEND**

- 1 L3.1 CONCRETE PAVEMENT
- 4 L3.1 PAVEMENT REQUIREMENT CONCRETE UNIT PAVERS AND FLUSH CURB AT ENTRANCE PLAZA
- 2 L3.1 POROUS CONCRETE UNIT PAVER
- 3 L3.1 CONCRETE BLOCK WALL
- 1 L3.2 LIGHTED BOLLARD
- 4 L3.2 NON-LIGHTED BOLLARD
- 3 L3.2 AREA LIGHT
- 2 L3.2 UNDERGROUND ELECTRIC TRENCH
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- 2 L3.3 DECIDUOUS FLOWERING TREE (MULTI-STEMMED)
- 3 L3.3 SHRUB, PERENNIAL, ORNAMENTAL GRASS, GROUNDCOVER PLANTING
- 4 L3.3 BIORETENTION AREA SEEDING
- 5 L3.3 LOAM AND LAWN SEEDING



**PLANT SCHEDULE**

DECIDUOUS SHADE TREES						
QTY.	ABRV.	SCIENTIFIC NAME	COMMON NAME	SIZE	APPROX. SIZE AT MATURITY	REMARKS
1	AFA	ACER FREEMANI 'AUTUMN BLAZE'	AUTUMN BLAZE MAPLE	2 1/2" - 3" CAL	40' HT x 30' SPD	B&B
2	GTH	GLEDITSIA T. 'HALKA'	HALKA HONEYLOCUST	2 1/2" - 3" CAL	40' HT x 30' SPD	B&B
2	PAE	PLATANUS X ACERIFILIA 'EXCLAMATION'	EXCLAMATION PLANE TREE	2 1/2" - 3" CAL	40' HT x 30' SPD	B&B
2	TCG	TILIA CORDATA 'GREENSPIRE'	GREENSPIRE LITTLELEAF LINDEN	2 1/2" - 3" CAL	40' HT x 30' SPD	B&B
DECIDUOUS FLOWERING TREES						
2	AG	ACER GRISEUM	PAPERBARK MAPLE	2" - 2 1/2" CAL	20' HT x 15' SPD	B&B, SINGLE
2	AGA	AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE'	AUTUMN BRILLIANCE SERVICEBERRY	8' - 9'	20' HT x 20' SPD	B&B, MULTI-STEMMED
SHRUBS						
7	AOL	AZALEA 'ORCHID LIGHTS'	ORCHID LIGHTS AZALEA	#3	4' HT x 6' SPD	CONTAINER
8	CAH	CLETHRA ALNIFOLIA 'HUMMINGBIRD'	WHITE COMPACT SUMMERSWEET	#3	3' HT x 3' SPD	CONTAINER
6	CSF	CORNUS SERICEA 'FIRE DANCE'	FIRE DANCE RED OSIER DOGWOOD	#3	3' HT x 6' SPD	CONTAINER
8	FGT	FORSYTHIA 'GOLD TIDE'	GOLD TIDE FORSYTHIA	#3	2' HT x 6' SPD	CONTAINER
5	HAI	HYDRANGEA ARBORESCENS 'INVINCIBELLE GARNETTA'	INVINCIBELLE GARNETTA HYDRANGEA	#3	3' HT x 6' SPD	CONTAINER
10	IGC	ILEX GLABRA 'COMPACTA'	COMPACT HICKBERRY	#5	4' HT x 6' SPD	CONTAINER
5	ROM	RHODODENDRON 'OLGA MEZITT'	OLGA MEZITT RHODODENDRON	#5	4' HT x 4' SPD	CONTAINER
1	RRP	RHODODENDRON 'ROSEUM PINK'	ROSEUM PINK RHODODENDRON	#7	5' HT x 6' SPD	CONTAINER
8	RAG	RHUS AROMATICA 'GROW LOW'	GROW LOW SUMAC	#5	2' HT x 6' SPD	CONTAINER
8	SBA	SPIREA BURJALDA 'ANTHONY WATERER'	ANTHONY WATERER SPIREA	#3	3' HT x 3' SPD	CONTAINER
3	SMP	SYRINGA MEYERI 'PALBIN'	DWARF KOREAN LLILAC	#5	4' HT x 6' SPD	CONTAINER
5	TMG	TAXUS MEDIA 'GREENWAVE'	GREENWAVE YEW	#5	3' HT x 6' SPD	CONTAINER
74						
PERENNIALS, GRASSES, AND GROUNDCOVER						
5	ANA	ASTER NOVAE-ANGLIAE	NEW ENGLAND ASTER	#2	2' HT x 2' SPD	CONTAINER
7	BA	BAPTISIA AUSTRALIS	FALSE INDIGO	#3	2' HT x 2' SPD	CONTAINER
5	ERG	EUPATORIUM RUGOSUM 'GATEWAY'	JOE PYE WEED	#2	4' HT x 3' SPD	CONTAINER
3	IVP	IRIS VERSICOLOR 'PURPLE FLAME'	PURPLE FLAME BLUE FLAG IRIS	#2	2' HT x 3' SPD	CONTAINER
5	HAB	HEUCHERA AUTUMN BRIDE	CORAL BELLS	#2	1' HT x 2' SPD	CONTAINER
23						



**Mary E. Bartlett Memorial Library  
Amphitheater Improvement Project**

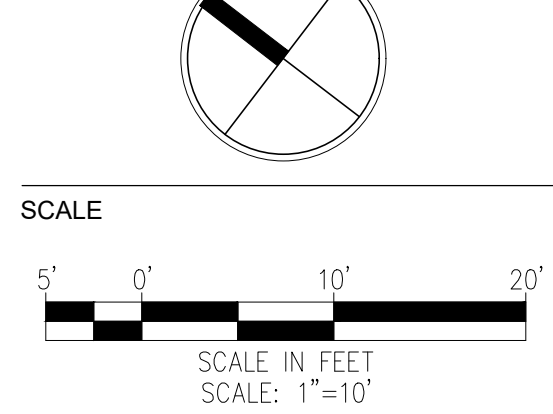
22 Dalton Road  
Brentwood, New Hampshire

**LANDSCAPE PLANTING PLAN**

REVISION LOG

REV#	DATE	DESCRIPTION
1		
2		
3		
4		

DESIGN BY: J. HYLAND  
 DRAWN BY: S. WRIGHT, J. HYLAND  
 CHECKED BY: J. HYLAND, D. JENSEN  
 DATE: 10/2/2023



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ISSUED FOR CONTRACTOR BIDDING  
NOT FOR CONSTRUCTION

**L2.1**

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**GENERAL NOTES:**

1. THE CONTRACTOR SHALL FAMILIARIZE THEMSELV WITH ALL UTILITIES ABOVE GRADE, AT GRADE, AND UNDERGROUND INCLUDING UTILITY PIPES AND STRUCTURES. THE CONTRACTOR SHALL VERIFY WITH THE UTILITY COMPANIES THE LOCATION OF ALL UTILITIES PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL TAKE SOLE RESPONSIBILITY FOR THE COST INCURRED DUE TO DAMAGE AND REPLACEMENT OF ALL UTILITIES ON SITE. THE CONTRACTOR SHALL CONTACT DIG-SAFE AND NECESSARY TOWN DEPARTMENTS TO FIELD LOCATE ALL UTILITIES BEFORE STARTING WORK.
2. THE LIMIT OF WORK SHALL FALL EXCLUSIVELY WITHIN THE STATE RIGHT OF WAY. THE CONTRACTOR SHALL NOT DO ANY WORK BEYOND THE LIMITS OF WORK EXCEPT AS SHOWN ON THE DRAWINGS AND AUTHORIZED BY THE OWNER REPRESENTATIVE. THE CONTRACTOR SHALL TAKE SOLE RESPONSIBILITY FOR THE COST INCURRED DUE TO REPLACEMENT OF WORK DONE BEYOND THE CONTRACT LIMIT AND REPLACEMENT FOR WORK DONE WITHOUT PERMISSION OF THE OWNER REPRESENTATIVE.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION NECESSARY TO COMPLETE THE WORK SHOWN ON THE DRAWINGS.
4. NOTES SHALL BE APPLICABLE TO ALL DRAWINGS.
5. THE CONTRACTOR SHALL SUPPLY AND MAINTAIN FOR THE DURATION OF CONSTRUCTION ALL NECESSARY DEVICES OR MATERIALS FOR EROSION, SEDIMENT AND DUST CONTROL, INCLUDING THOSE ITEMS NECESSARY FOR STOCKPILES AND PROTECTION OF ADJACENT PUBLIC WAYS, AND SHALL REMOVE THE DEVICES AFTER PROJECT COMPLETION.
6. THE CONTRACTOR SHALL REPAIR OR REMOVE AND REPLACE DEFECTIVE CONSTRUCTION AND RESTORE DAMAGED SUBSTRATES AND FINISHES. REPAIRS INCLUDE REPLACING DEFECTIVE PARTS, REFINISHING SURFACES, TOUCHING UP WITH MATCHING MATERIALS, AND PROPERLY ADJUSTING OPERATING EQUIPMENT. RESTORE PERMANENT FACILITIES USED DURING INSTRUCTION TO THEIR SPECIFIED CONDITION. REMOVE AND REPLACE DAMAGED SURFACES THAT ARE EXPOSED TO VIEW IF SURFACES CANNOT BE REPAIRED WITHOUT VISIBLE EVIDENCE OF REPAIR. REPAIR COMPONENTS THAT DO NOT OPERATE PROPERLY. REMOVE AND REPLACE OPERATING COMPONENTS THAT CANNOT BE REPAIRED.
7. FINAL CLEANING: THE CONTRACTOR SHALL USE CLEANING MATERIALS AND AGENTS RECOMMENDED BY MANUFACTURER OR FABRICATOR OF THE SURFACE TO BE CLEANED. DO NOT USE CLEANING AGENTS THAT ARE POTENTIALLY HAZARDOUS TO HEALTH OR PROPERTY OR THAT MIGHT DAMAGE FINISHED SURFACES. COMPLY WITH MANUFACTURERS WRITTEN INSTRUCTIONS. COMPLY WITH SAFETY STANDARDS FOR CLEANING. CONDUCT CLEANING AND WASTE-REMOVAL OPERATIONS TO COMPLY WITH LOCAL LAWS AND ORDINANCES AND FEDERAL AND LOCAL ENVIRONMENTAL AND ANTI-POLLUTION REGULATIONS. DO NOT BURN WASTE MATERIALS. DO NOT BURY DEBRIS OR EXCESS MATERIALS ON THE TOWN'S PROPERTY. DO NOT DISCHARGE VOLATILE, HARMFUL, OR DANGEROUS MATERIALS INTO DRAINAGE SYSTEMS. REMOVE WASTE MATERIALS FROM PROJECT SITE AND DISPOSE OF LAWFULLY. COMPLETE THE FOLLOWING CLEANING OPERATIONS BEFORE REQUESTING INSPECTION FOR CERTIFICATION OF FINAL ACCEPTANCE FOR ENTIRE PROJECT OR FOR A PORTION OF PROJECT:
  - A. CLEAN PROJECT SITE, YARD, AND GROUNDS, IN AREAS DISTURBED BY CONSTRUCTION ACTIVITIES, OF RUBBISH, WASTE MATERIAL, LITTER, AND OTHER FOREIGN SUBSTANCES.
  - B. SWEEP PAVED AREAS BROOM CLEAN. REMOVE PETROCHEMICAL SPILLS, STAINS, AND OTHER FOREIGN DEPOSITS.
  - C. RAKE GROUNDS THAT ARE NEITHER PLANTED NOR PAVED TO A SMOOTH, EVEN-TEXTURED SURFACE.
  - D. REMOVE TOOLS, CONSTRUCTION EQUIPMENT, MACHINERY, AND SURPLUS MATERIAL FROM PROJECT SITE.
  - E. REMOVE SNOW AND ICE TO PROVIDE SAFE ACCESS FOR PEDESTRIANS.
  - F. CLEAN EXPOSED HARD-SURFACED FINISHED TO A DIRT-FREE CONDITION, FREE OF STAINS, FILMS, AND SIMILAR FOREIGN SUBSTANCES. AVOID DISTURBING NATURAL WEATHERING OF EXTERIOR SURFACES. RESTORE REFLECTIVE SURFACES TO THEIR ORIGINAL CONDITION.
  - G. REMOVE LABELS THAT ARE NOT PERMANENT.
  - H. TOUCH UP AND OTHERWISE REPAIR AND RESTORE MARRED, EXPOSED FINISHES AND SURFACES. REPLACE FINISHES AND SURFACES THAT CANNOT BE SATISFACTORILY REPAIRED OR RESTORED OR THAT ALREADY SHOW EVIDENCE OF REPAIR OR RESTORATION.

**SITE PREPARATION NOTES:**

1. ALL ELEMENTS TO REMAIN WITHIN AND DIRECTLY ADJACENT TO THE LIMIT OF WORK SHALL BE ENCIRCLED WITH 4' ORANGE CONSTRUCTION FENCE, WELL-STAKED AND MAINTAINED FOR THE DURATION OF THE PROJECT. CERTAIN ELEMENTS, SUCH AS: FENCES, WALLS, STAIRS, ETC. SHALL BE PROTECTED IN A MANNER DEEMED APPROPRIATE, IF ENCIRCLING WITH CONSTRUCTION FENCE IS NOT FEASIBLE.
2. EVERY EFFORT SHALL BE TAKEN TO PRESERVE THE HEALTH OF EXISTING VEGETATION TO BE PRESERVED WITHIN THE CORRIDOR. PRIOR TO BEGINNING WORK.
3. THE ROOT ZONE OF TREES TO BE PROTECTED REQUIRES ALL EXCAVATION WORK BE DONE WITH AN AIR SPADE AND/OR BY HAND DIGGING. WHEN ROOTS ARE ENCOUNTERED THAT MUST BE CUT IN ORDER TO INSTALL UTILITIES, PAVEMENT, ETC. THEY ARE TO BE PRUNED USING A HAND SAW, LOPPERS, OR HAND PRUNERS. PRUNE AWAY JAGGED ROOTS BACK TO THE TRENCH WALL CLOSEST TO THE TREE.
  - A. KEEP EQUIPMENT AND EXCAVATED BACKFILL AND/OR PLANTING MIX ON THE SIDE FURTHEST FROM THE TREE.
  - B. REPLACE THE BACKFILL AND/OR PLANTING MIX ON THE SAME DAY. IF THIS IS NOT POSSIBLE, COVER THE EXPOSED ROOTS WITH WET BURLAP TO PREVENT THEM FROM DRY OUT.
  - C. DO NOT ALLOW CHEMICALS OR FOREIGN DEBRIS TO BECOME MIXED WITH THE BACKFILL AND/OR PLANTING MIX.
  - D. PACK THE BACKFILL AND/OR PLANTING MIX TO THE SAME FIRMNESS AS THE SURROUNDING SOIL.
  - E. WATER THE BACKFILL AND/OR PLANTING MIX IF THE OPERATION OCCURS DURING HOT, DRY WEATHER.
4. AVOID THE FOLLOWING ACTIVITIES WITHIN THE ROOT PROTECTION ZONE.
  - A. STORAGE OF CONSTRUCTION MATERIALS.
  - B. CONCRETE WASH-OUT OPERATIONS.
  - C. STOCKPILING OF DEMOLITION DEBRIS.
  - D. PARKING OF ANY VEHICLES.
  - E. STOCKPILING OF SOIL AND/OR MULCH.
5. DISPOSAL OF EXISTING VEGETATION MARKED AS INVASIVE SHALL BE CONSISTENT WITH STATE INVASIVE SPECIES BEST MANAGEMENT PRACTICES. THE TRUCK TO COLLECT CHIPPED MATERIALS SHALL BE EMPTY WHEN IT COMES TO SITE AND ONCE THE ALL THE INVASIVE WOODY PLANTS HAVE BEEN CHIPPED THE TRUCK SHALL DISPOSE OF CHIPS IN ACCORDANCE WITH STATE BEST MANAGEMENT PRACTICES.

**LANDSCAPE LAYOUT AND MATERIALS NOTES:**

1. ALL GENERAL NOTES SHALL BE INCLUDED AS PART OF THE LAYOUT AND MATERIALS NOTES.
2. WHEN PROVIDED, USE DIMENSIONAL INFORMATION GIVEN ON THE DRAWING.
3. ALL DIMENSIONS SHOWN ARE TAKEN TO THE FACE OR CENTERLINE OF ELEMENTS UNLESS OTHERWISE INDICATED.
4. THE CONTRACTOR SHALL VERIFY DIMENSIONS SHOWN ON THE DRAWINGS AND SHALL NOTIFY THE OWNER REPRESENTATIVE IN WRITING OF ANY DISCREPANCIES PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL REVIEW AND OBTAIN THE APPROVAL OF THE FINAL LAYOUT WITH THE OWNER REPRESENTATIVE PRIOR TO STARTING CONSTRUCTION. IF DEEMED NECESSARY BY THE OWNER REPRESENTATIVE, THE CONTRACTOR SHALL STAKE OUT PROPOSED TREE LOCATIONS TO AID IN THE REVIEW OF THE FINAL LAYOUT.
5. THE CONTRACTOR SHALL LAYOUT AND DETERMINE THE ELEVATIONS OF ALL SITE ELEMENTS FOR APPROVAL BY THE OWNER REPRESENTATIVE PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL REPORT ANY CONFLICTS BETWEEN UTILITY STRUCTURES AND PROPOSED IMPROVEMENTS TO THE TOWN REPRESENTATIVE.
6. THE CONTRACTOR SHALL REFER ANY QUESTIONS ON MATERIALS, FINISHES, AND/OR PRODUCTS NOT SPECIFIED HEREIN TO THE OWNER REPRESENTATIVE PRIOR TO ORDERING MATERIALS OR STARTING WORK.
7. ALL LINES AND DIMENSIONS ARE PARALLEL OR PERPENDICULAR TO THE LINES FROM WHICH THEY ARE MEASURED UNLESS OTHERWISE SHOWN.
8. WHEN NEW PAVEMENT IS PLACED AGAINST EXISTING PAVEMENT, SAWCUT EXISTING PAVEMENT, AND GRADE SMOOTH AND FLUSH.

**PLANTING NOTES:**

1. PLEASE SEE CONSTRUCTION SPECIFICATIONS FOR DETAILED INFORMATION.
2. THE CONTRACTOR SHALL LOCATE AND VERIFY ALL EXISTING AND NEW UTILITY LINE LOCATIONS PRIOR TO PLANTING, AND SHALL REPORT ANY CONFLICT TO THE OWNER REPRESENTATIVE.
3. ALL PLANT MATERIAL SHALL CONFORM TO THE GUIDELINES ESTABLISHED BY THE "AMERICAN STANDARD FOR NURSERY STOCK" PUBLISHED BY THE AMERICAN SOCIETY OF NURSERY MEN, INC. LATEST EDITION.
4. THE CONTRACTOR SHALL STAKE THE LOCATION OF ALL THE PROPOSED PLANT MATERIAL FOR APPROVAL BY THE OWNER REPRESENTATIVE PRIOR TO PLANTING. NO PLANTS SHALL BE PLANTED BEFORE THE ACCEPTANCE OF ROUGH GRADING.
5. ANY PROPOSED SUBSTITUTIONS OF PLANT SPECIES WILL BE PLANTS WITH EQUIVALENT OVERALL FORM, HEIGHT, BRANCHING HABIT, FLOWER COLOR, LEAF COLOR, FRUIT COLOR, AND TIME OF BLOOM, AS APPROVED BY THE OWNER REPRESENTATIVE.
6. EXISTING LOAM: STOCKPILING OF EXISTING LOAM IS SPECIFIED ELSEWHERE. REMOVE CLAY LUMPS, BRUSH, LITTER, ROOTS, STONES 1" AND LARGER, AND OTHER FOREIGN MATERIALS.
7. PINE MULCH: PROVIDE PARTIALLY DECOMPOSED MINIMUM SIX MONTH AGED FINELY SHREDDED PINE BARK MULCH WITH DARK BROWN COLOR AND FREE OF WEEDS, EXCESSIVE FINE PARTICLES, STRINGY MATERIAL, AND CHUNKS OF WOOD THICKER THAN 1-1/2". PROVIDE BARK MULCH APPROVED BY THE OWNER REPRESENTATIVE. APPLY TACKIFIED MULCH TO ALL SEEDED AREAS.
8. ALL PLANTS SHALL BE PLUM VERTICALLY AFTER SETTLING.
9. ALL PLANT MATERIAL SHALL BE MULCHED AFTER PLANTING.
10. UNLESS OTHERWISE INDICATED, DICTATED BY CONDITIONS AT THE SITE, AND DIRECTED BY OWNER REPRESENTATIVE, BACKFILL SHALL CONSIST OF UNAMENDED SOIL EXCAVATED FROM THE PLANTING PIT. BACKFILL IN 3-4" LAYERS AND CONSOLIDATE EACH LAYER WITH WATER TO ELIMINATE VOIDS AND ARE POCKETS BEFORE PLACING SUBSEQUENT LAYERS. CONTINUE UNTIL BACKFILL HAS REACHED FINISHED GRADE. WATER THOROUGHLY WHEN EXCAVATION IS BACK FILLED AND CONTINUE WATERING UNTIL SATURATED.
11. WATERING: FLOOD ALL PLANTS WITH WATER TWICE WITHIN THE FIRST 24 HOURS AFTER PLANTING.
12. LOAMING: LOOSEN SUBGRADE AND EXISTING LOAM AREAS BY DISCING OR ROTOTILLING TO MINIMUM DEPTH OF 6". REMOVE STONES GREATER THAN 2" AND ALL RUBBISH AND DEBRIS. PLACE LOAM IN TWO EQUAL LIFTS MIXING FIRST APPLICATION INTO LOOSENED SUBGRADE THEN PLACE SECOND LIFT TO BRING LOAM AFTER SETTLING AND COMPACTING TO THE LINES AND GRADES SHOWN IN THE CONTRACT DOCUMENTS, 6" DEEP MINIMUM. DO NOT HANDLE LOAM OR SUBSOIL IF IT IS WET OR FROZEN.
13. AFTER LOAM HAS BEEN SPREAD, IT SHALL BE CAREFULLY PREPARED BY SCARIFYING AND HAND RAKING. ALL LARGE STIFF CLOUDS, LUMPS, BRUSH, ROOTS, STUMPS, LITTER AND FOREIGN MATTER, AND STONES OVER ONE INCH IN DIAMETER SHALL BE REMOVED FROM THE LOAM. LOAM SHALL ALSO BE FREE OF SMALLER STONES IN EXCESSIVE QUANTITIES AS DETERMINED BY THE TOWN REPRESENTATIVE.
14. FINE GRADING: SET SUFFICIENT GRADE STAKES FOR CHECKING THE FINISHED GRADES. STAKES MUST BE SET AT THE BOTTOM AND TOP OF SLOPES. GRADES SHALL BE ESTABLISHED THAT ARE ACCURATE TO 1/10TH OF A FOOT EITHER WAY. CONNECT CONTOURS AND SPOT ELEVATIONS WITH AN EVEN SLOPE. ALL GRADING WILL INSURE DRAINAGE AWAY FROM STRUCTURES.
15. FINE GRADE LAWN AREAS TO SMOOTH, FREE DRAINING, EVEN SURFACES WITH FINE TEXTURE. ROLL, RAKE AND DRAW LAWN AREAS TO FLATTEN RIDGES AND FILL DEPRESSIONS, EXCEPT AT SELECT AREAS SHOW ON THE DRAWINGS. CONTROL MOISTURE CONTENT TO MAINTAIN OPTIMUM CONDITIONS, BUT DO NOT CREATE A MUDDY CONDITION.
16. ROLLING - TYPICAL: ROLL THE ENTIRE AREA WITH A HAND ROLLER WEIGHTING NOT MORE THAN 100 POUNDS PER FOOT OF WIDTH. DURING THE ROLLING, ALL DEPRESSIONS CAUSED BY SETTLEMENT OF ROLLING SHALL BE FILLED WITH ADDITIONAL LOAM AND THE SURFACE SHALL BE REGARDED AND ROLLED UNTIL PRESENTING A SMOOTH AND EVEN FINISH TO THE REQUIRED GRADE OR TO THE SHAPES AND CONFIGURATIONS AS SHOWN ON THE DETAILS.
17. LIMIT OF WORK LINE SHALL BE LIMIT OF SEEDING AND SODDING UNLESS OTHERWISE INDICATED ON THE DRAWINGS. ALL AREAS DISTURBED OUTSIDE THE LIMIT OF WORK SHALL BE SEEDED OR SODDED AS INDICATED ON THE DRAWINGS.
18. IN CASE OF DISCREPANCIES BETWEEN THE QUANTITIES SHOWN ON THE PLANT SCHEDULE AND THE QUANTITIES SHOWN ON THE PLANTING PLAN, THE QUANTITIES ON THE PLANTING PLAN SHALL BE PROVIDED BY THE CONTRACTOR.

**ELECTRICAL NOTES:**

1. FURNISH AND INSTALL ALL LABOR, MATERIALS, APPLIANCES, EQUIPMENT TOOLS, TRANSPORTATION, SUPERVISION, AND SERVICES REQUIRED. COMPLETELY TEST AND MAKE OPERATIVE, ALL ELECTRICAL WORK AS OUTLINED IN THE DRAWINGS AND SPECIFICATIONS.
2. THE ELECTRICAL WORK MAY INCLUDE, BUT NOT BE LIMITED TO, THE FURNISHING OF MATERIALS AND INSTALLATION OF THE FOLLOWING IN ACCORDANCE WITH ALL APPLICABLE STATE AND LOCAL CODES.
  - A. WIRING DEVICES
  - B. LIGHTING SYSTEM
  - C. CONDUIT, RACEWAYS, ETC.
  - D. BRANCH CIRCUIT WIRING
  - E. PANELBOARD CIRCUIT BREAKER
  - F. GROUNDING, WIRE, AND CABLE
3. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST REQUIREMENTS OF THE NEC, STATE OF NEW HAMPSHIRE BUILDING CODE, OSHA, AND ADA.
4. PAY FOR ALL INSPECTION FEES, LICENSES, AND PERMITS.
5. SUBMIT SHOP DRAWINGS FOR ALL EQUIPMENT FOR APPROVAL BEFORE PURCHASING. ALL EQUIPMENT SHALL BEAR THE LABEL OF A NATIONALLY RECOGNIZED TESTING LABORATORY.
6. PHOTOCCELL (IF ONE DOES NOT EXIST)
  - A. PHOTOCCELL SHALL BE MANUFACTURED BY TORK OR EQUAL.
  - B. FURNISH AND INSTALL A PHOTOCCELL AS DIRECTED FOR THE CONTROL OF ALL LIGHTS.
7. LIGHTING
  - A. FURNISH AND INSTALL ALL LIGHTING FIXTURES AS INDICATED ON THE DRAWINGS.
8. GROUNDING
  - A. PROVIDE COMPLIANT GROUNDING FOR ALL ELECTRICAL EQUIPMENT AND DEVICES.
    - a. BONDING JUMPERS SHALL BE INSTALLED AT ALL LOCATIONS REQUIRED BY NEC.
    - b. GREEN GROUNDING CONDUCTOR OF PROPER SIZE SHALL BE INSTALLED AND CONNECTED WITH THE BRANCH CIRCUIT CONDUCTORS FROM THE PANELBOARD TO THE LIGHTING FIXTURE. CONNECTIONS TO THE EQUIPMENT SHALL BE BOLTED OR SCREWED USING CORROSION RESISTING BOLTS OR SCREWS. A GREEN GROUNDING CONDUCTOR SHALL BE INSTALLED IN ALL BRANCH AND FEEDER CIRCUITS.
9. RACEWAYS
  - A. ALL EXPOSED EXTERIOR CONDUIT THAT RUNS OUTSIDE SHALL BE HOT DIPPED GALVANIZED STEEL CONDUIT.
10. HANGERS AND SUPPORTS
  - A. PROVIDE ALL REQUIRED HANGERS, SUPPORTS, SLEEVES, CLAMPS, ETC., AS REQUIRED AND/OR AS INDICATED ON THE DRAWINGS.

11. PULL AND JUNCTION BOXES
  - A. BOXES FOR EXTERIOR WORK SHALL MEET ANSI-SCTE TIER 15 MEDIUM DUTY RATING. SUCH AS OLDCASTLE SYNERTECH1212-18 MADE OF DUOMOLD COMPOSITE OR APPROVED EQUAL. STEEL OR ANY CONDUCTIVE BOXES WILL NOT BE PERMITTED.
12. FEEDER AND BRANCH CIRCUIT CONDUCTORS
  - A. ALL FEEDER, BRANCH CIRCUIT, REMOTE CONTROL, SIGNAL CIRCUIT, AND INTERLOCK WIRING SHALL BE MANUFACTURED OF COPPER AND RATED 600 VOLTS.
  - B. MINIMUM SIZE WIRE FOR BRANCH CIRCUIT AND POWER WIRING SHALL BE #12 AWG.
  - C. INSULATION SHALL BE TYPE THHN/THWN FOR LIGHTING.
  - D. ALL WIRING SHALL CONFORM TO THE NEC FOR CONSTRUCTION AND USE.
13. WIRING DEVICES
  - A. FURNISH AND INSTALL WIRING DEVICES AND SPECIFICATION GRADE, COMPLETE WITH ALL ACCESSORIES AS INDICATED ON THE DRAWINGS AND AS SPECIFIED HEREUNDER. ALL WIRING DEVICES SHALL BE THE PRODUCT OF A SINGLE MANUFACTURER EXCEPT WHERE SPECIFICALLY STATED OTHERWISE.
14. FURNISH AND INSTALL NAME PLATES ON ALL ELECTRICAL EQUIPMENT.
15. ALL EQUIPMENT EXPOSED TO MOISTURE SHALL BE OF THE APPROPRIATE (NEMA) WEATHERPROOF TYPE. SEAL ALL APPLICABLE CONDUITS THAT PENETRATE THE BUILDING.
16. PERFORM ALL TESTS REQUIRED AND VERIFY PHASE BALANCE OF THE PANELBOARD.
  - A. COMPLETE TEST AND INSPECTION RECORDS SHALL BE MADE AND INCORPORATED INTO A REPORT FOR EACH PIECE OF EQUIPMENT TESTED. ALL READINGS TAKEN SHALL BE RECORDED. TEST REPORTS SHALL BE SUBMITTED TO THE OWNER REPRESENTATIVE FOR APPROVAL.
  - B. FURNISH NECESSARY METERS, INSTRUMENTS, TEMPORARY WIRING, AND LABOR TO PERFORM ALL REQUIRED TESTS AND ADJUSTMENTS OF EQUIPMENT AND WIRING INSTALLED AND/OR CONNECTED UNDER THIS CONTRACT, INCLUDING ELECTRICAL EQUIPMENT FURNISHED BY OTHERS, TO DETERMINE PROPER POLARITY, PHASING, FREEDOM FROM GROUND AND SHORTS AND OPERATION OF EQUIPMENT. ALL MEASURING INSTRUMENTS SHALL BE PROPERLY CALIBRATED.
  - C. ALL MATERIALS AND MANNER OF INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH THE APPLICABLE REQUIREMENTS OF STATE AND LOCAL AUTHORITIES, THE UTILITY COMPANY, AND THE CODES OF THE NATIONAL BOARD OF UNDERWRITERS.
  - D. WHENEVER ANY OF THE FOREMENTIONED CODES, LAWS, ETC. REQUIRE THAT ANY WORK BE TESTED OR APPROVED, THE CONTRACTOR SHALL PROVIDE PROPER FACILITIES FOR ACCESS AND FOR INSPECTION, ALL AT THEIR OWN EXPENSE.
  - E. WIRING
    - a. THE CONTRACTOR SHALL CORRECT OR REPLACE ANY NOMINAL CURRENT-CARRYING CIRCUIT WHICH IS DEFECTIVE OR GROUNDED AND HE SHALL ALSO CORRECT ALL OTHER TROUBLES ENCOUNTERED BY THESE TESTS. ALL DEFECTS WHETHER THROUGH FAULTY WORKMANSHIP OF MATERIAL FURNISHED SHALL BE CORRECTED UNDER THIS SECTION AT THE CONTRACTOR'S EXPENSE.
17. ALL ELECTRICAL WORK SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE. DEFECTS SHALL BE CORRECTED WITHOUT CHARGE, INCLUDING ALL PATCHING, PAINTING, AND OTHER INCIDENTAL REPAIRS AND REPLACEMENTS. COORDINATE ALL WORK WITH OTHER TRADES. FURNISH AND INSTALL ALL POWER AND CONTROL WIRING FOR A COMPLETE INSTALLATION.
18. ALL ELECTRICAL EQUIPMENT, MATERIALS, ETC. STORED ON SITE SHALL BE STORED IN SUCH A MANNER THAT IT IS SAFE FROM DAMAGE BY MOISTURE, IMPACT, ETC.
19. ELECTRICAL CONTRACTOR SHALL PERFORM THEIR WORK IN A NEAT AND ORDERLY, PROFESSIONAL MANNER. ALL REFUSE, DIRT, AND DEBRIS RESULTANT FROM THEIR WORK SHALL BE REMOVED AND PROPERLY DISPOSED OF AT THE END OF THE DAY.
  - A. ALL WORK ALL WORK SHALL BE EXECUTED BY A STATE OF NEW HAMPSHIRE LICENSED ELECTRICIAN AND SHALL BE EXECUTED IN A PROFESSIONAL MANNER.
20. ELECTRICAL CONTRACTOR IS REQUIRED TO COORDINATE THEIR WORK WITH ALL UTILITIES INVOLVED.
21. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR FOLLOWING THE MANUFACTURER'S INSTALLATION RECOMMENDATIONS AND DIRECTIONS FOR ALL EQUIPMENT AND MATERIALS USED.
22. UPON COMPLETION OF THE WORK, THE ELECTRICAL CONTRACTOR SHALL BE REQUIRED TO DEMONSTRATE PROPER OPERATION OF THE LIGHTING SYSTEM.
23. ALL MATERIALS SHALL BE NEW AND CONFORM TO THE NEMA NATIONAL ELECTRIC CODE (NEC) AND UNDERWRITERS LABORATORIES, INC. STANDARDS IN EVERY CASE WHERE SUCH A STANDARD HAS BEEN ESTABLISHED FOR THE PARTICULAR TYPE OF MATERIAL IN QUESTION.
24. ANY MATERIAL ITEM OR WORK NOT SHOWN ON THE DRAWINGS BUT MENTIONED ON THE SPECIFICATIONS OR VICE-VERSA, OR ANY ACCESSORIES NECESSARY TO MAKE THE WORK COMPLETE IN ALL RESPECTS AND READY FOR OPERATION SHALL BE INCLUDED IN THE CONTRACTOR'S BID, AND SUCH ITEMS SHALL NOT BE A CAUSE FOR EXTRA WORK OR EXTRA COST TO THE TOWN.
25. THE ELECTRICAL CONTRACTOR SHALL VISIT THE SITE TO MAKE THEMSELF AWARE OF THE EXISTING CONDITIONS AND EXISTING EQUIPMENT.
26. RECORD DRAWINGS
  - A. CONTRACTOR SHALL PREPARE A COMPLETE SET OF RECORD CONSTRUCTION DRAWINGS AND SUBMIT THEM TO THE OWNER REPRESENTATIVE FOR APPROVAL.
27. SUBMIT SHOP DRAWINGS AND PRODUCT DATA WITHIN 10 DAYS AFTER AWARD OF CONTRACT. CHECK, STAMP, AND MARK SUBMITTALS WITH PROJECT NAME BEFORE TRANSMITTING TO THE OWNER REPRESENTATIVE.
28. WHERE MATERIAL IS CALLED OUT IN THE LEGEND, FIXTURE SCHEDULE, NOTES, SPECIFICATIONS, OR ELSEWHERE BY THE MANUFACTURER, TYPE OR CATALOG NUMBER, SUCH DESIGNATIONS ARE TO ESTABLISH STANDARDS OF DESIRED QUALITY. ACCEPTANCE OR REJECTIONS OF PROPOSED SUBSTITUTIONS SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER REPRESENTATIVE.
29. FINAL INSPECTION
  - A. WHEN THE WORK ON THIS PROJECT HAS BEEN COMPLETED AND IS READY FOR FINAL INSPECTION, SUCH INSPECTION WILL BE MADE. AT THIS TIME, THE CONTRACTOR FOR THE WORK OF THIS SECTION, SHALL DEMONSTRATE THAT THE REQUIREMENTS OF THESE SPECIFICATIONS HAVE BEEN MET. WRITTEN RESULTS FOR ALL TESTS SHALL BE SUBMITTED TO THE OWNER REPRESENTATIVE.



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SHEET TITLE

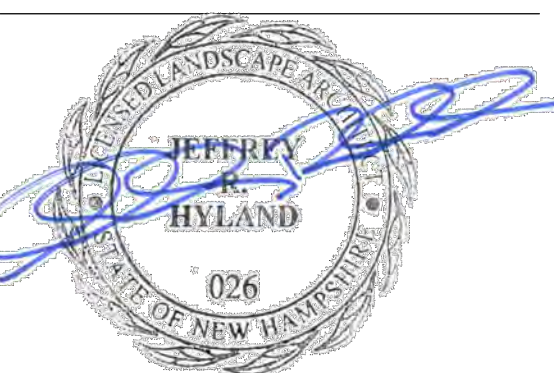
**LANDSCAPE NOTES**

REVISION LOG

REV#	DATE	DESCRIPTION

PROJECT NO.	22058.0
DESIGN BY	J.HYLAND
DRAWN BY	S.WRIGHT, JHYLAND
CHECKED BY	J.HYLAND, D.JENSEN
DATE	10/2/2023
NORTH	

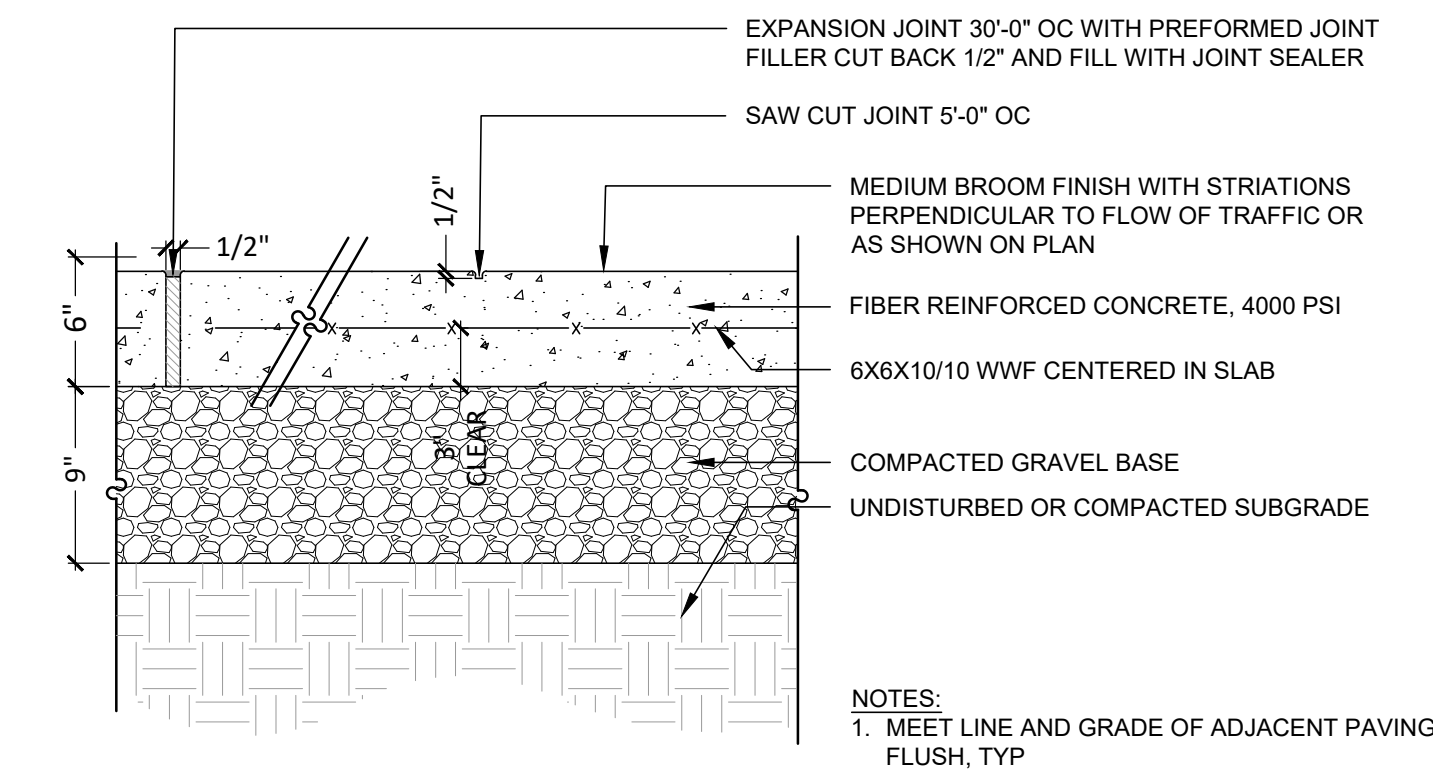
SCALE



**L3.0**

ISSUED FOR CONTRACTOR BIDDING  
NOT FOR CONSTRUCTION

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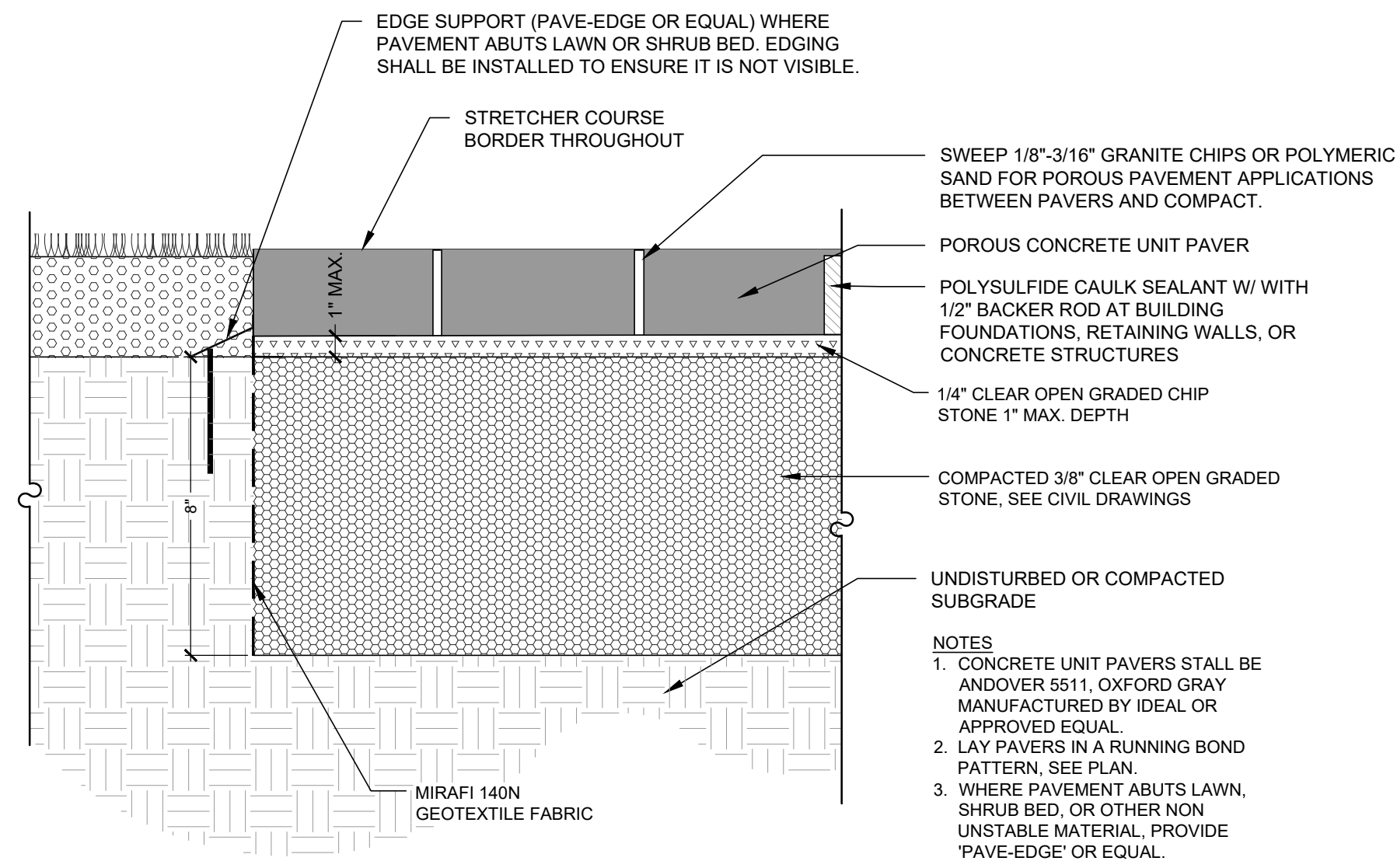


**Concrete Pavement**

Not to Scale

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1  
L3.1

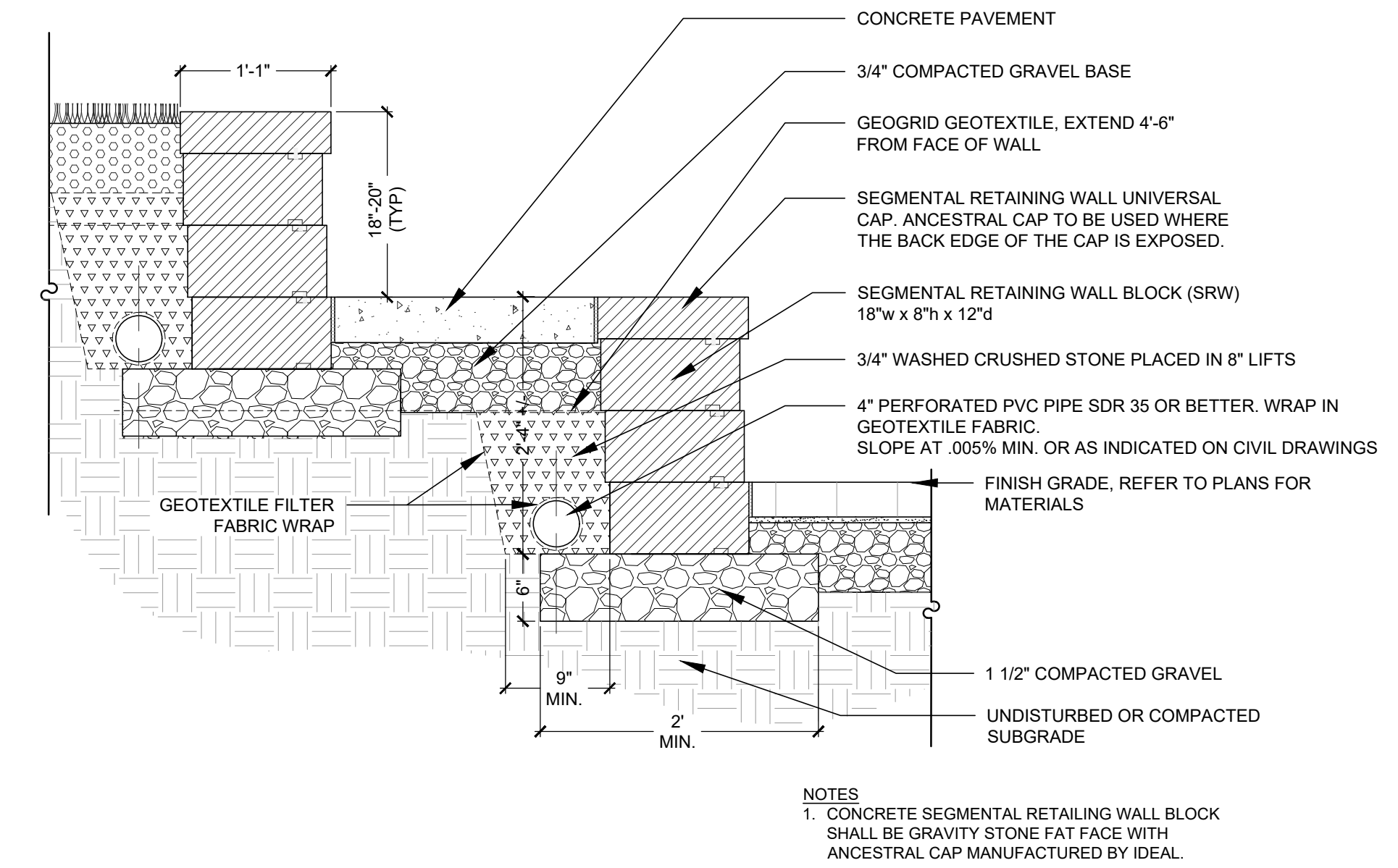


**Porous Concrete Unit Paver**

Not to Scale

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2  
L3.1

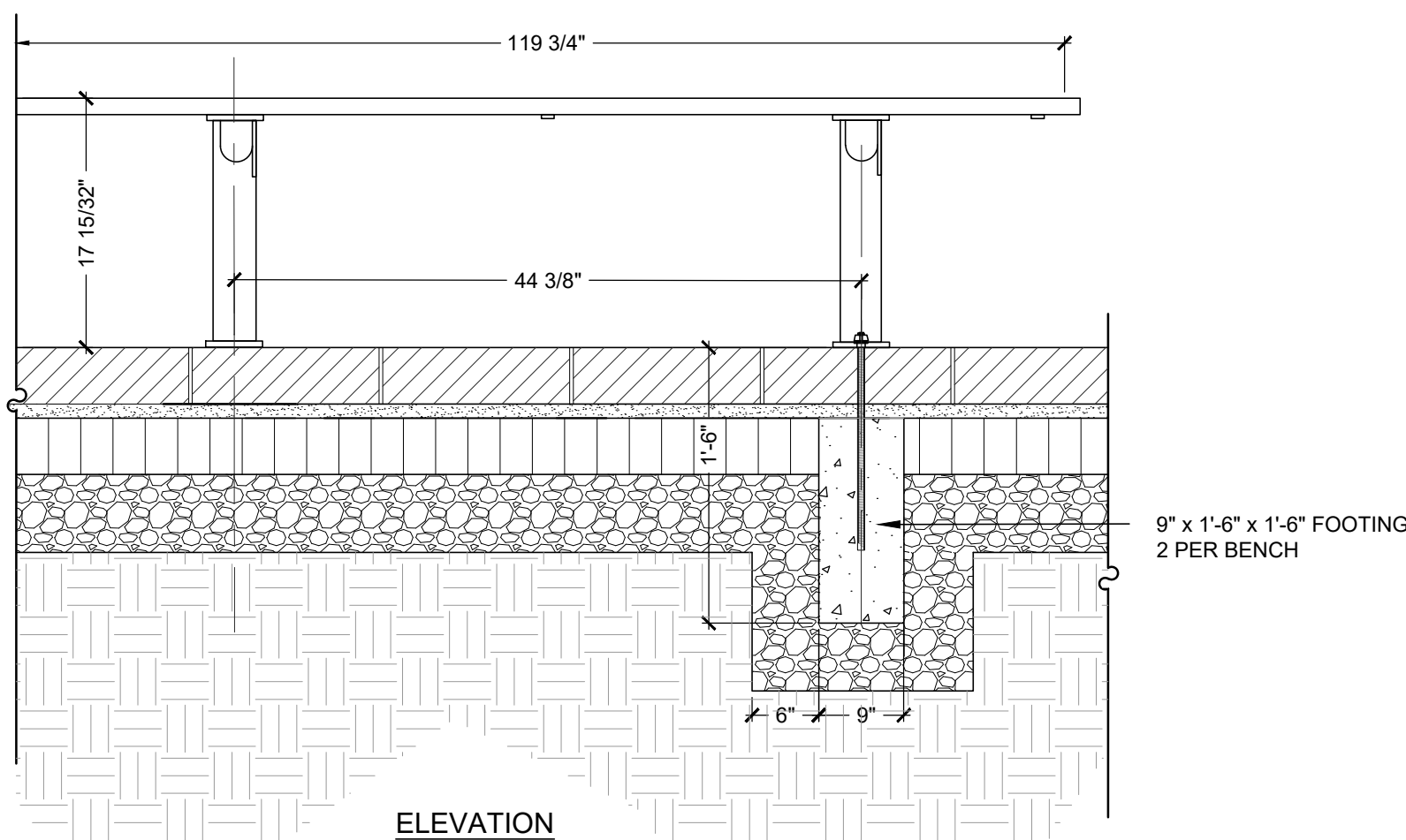
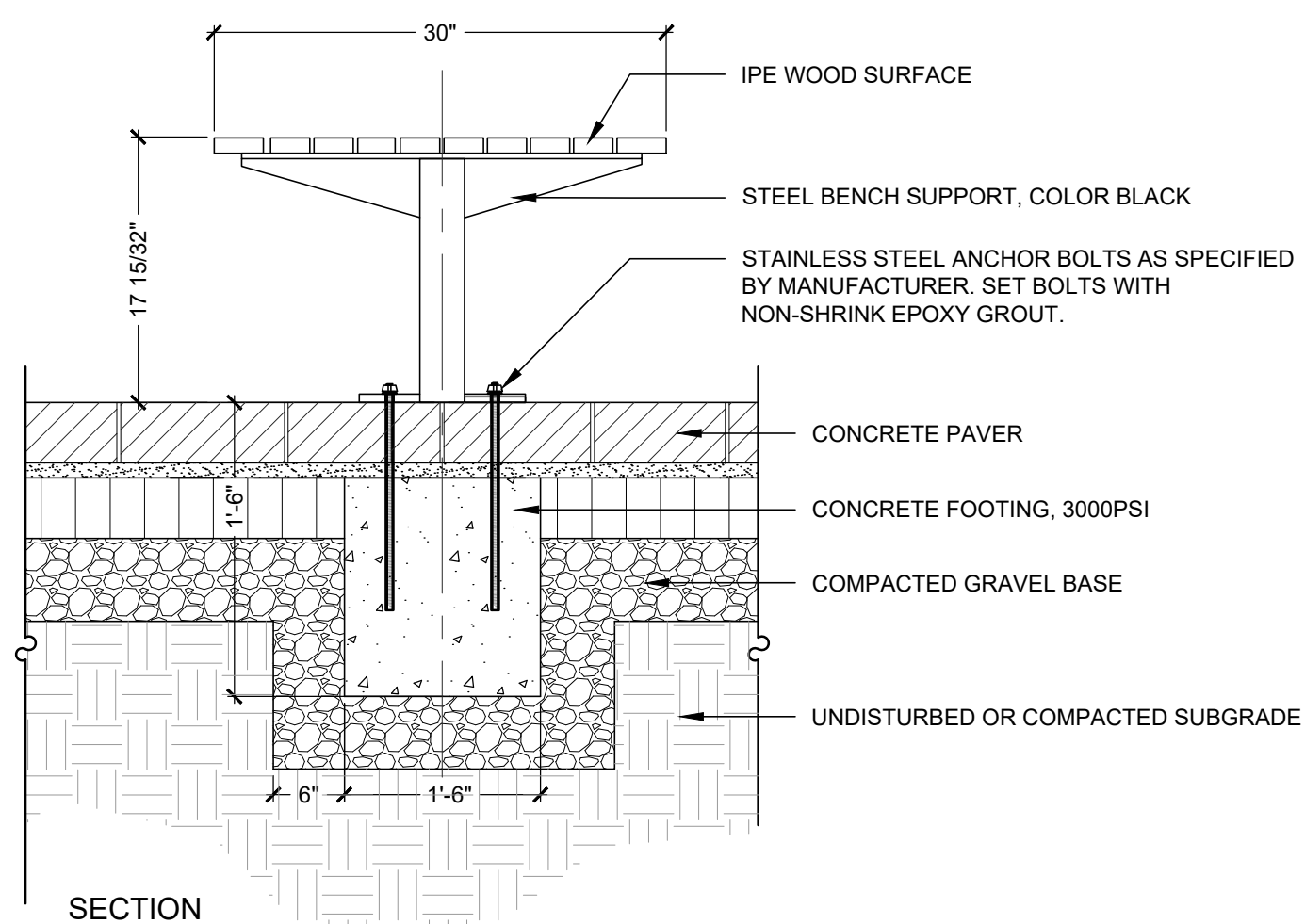


**Concrete Block Wall**

Not to Scale

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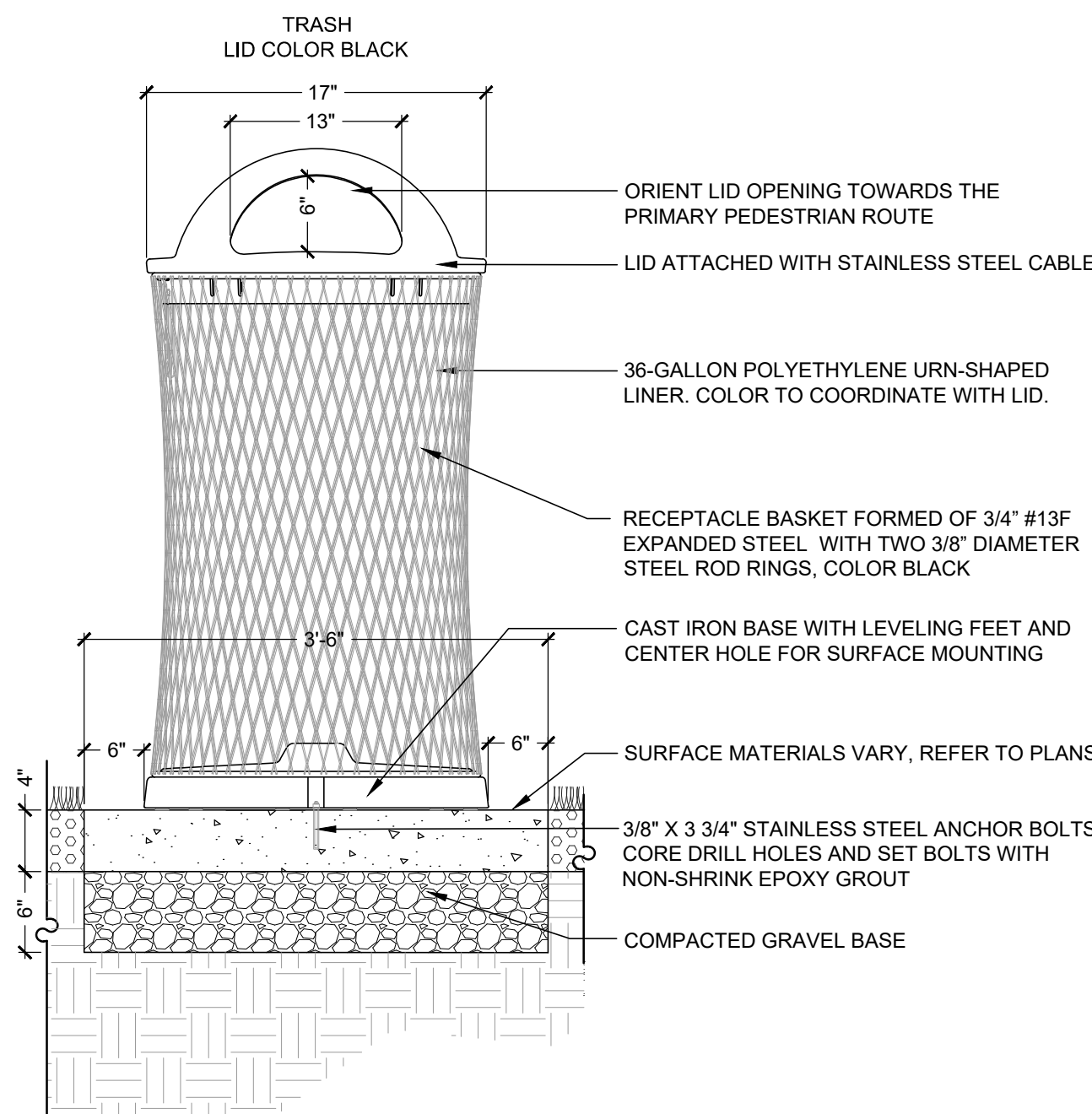


**Double Wide Bench - Add Alternate 1**

Not to Scale

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5  
L3.1



**Receptacle - Add Alternate 2**

Not to Scale

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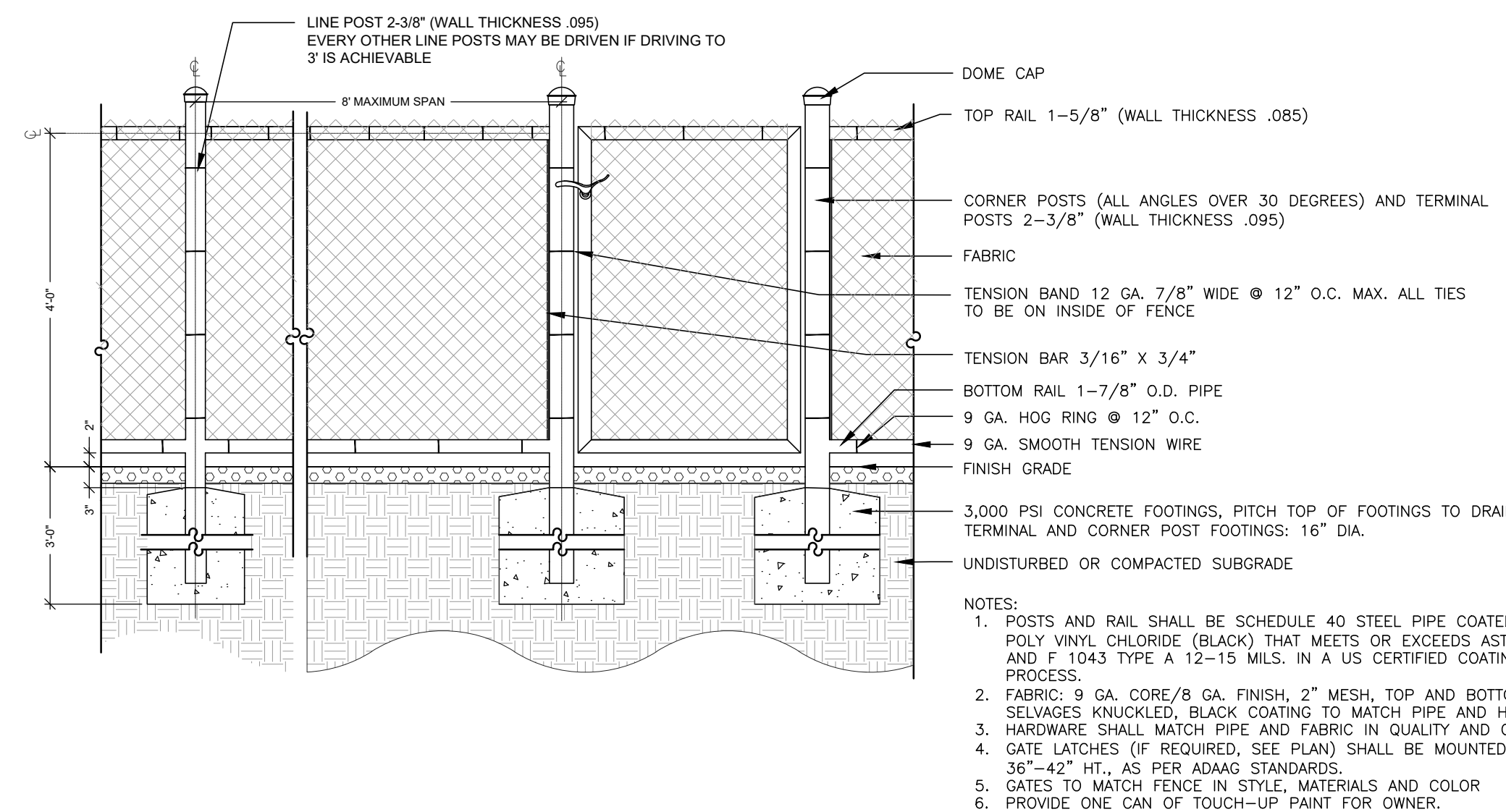
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L3.1

**Concrete Unit Paver and Flush Curb at Entry Plaza**

Not to Scale

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4  
L3.1



**Black Vinyl Chain Link Fence - Add Alternate 3**

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7  
L3.1



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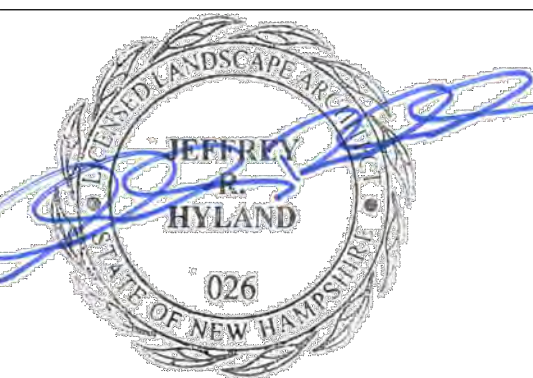
**LANDSCAPE  
DETAILS**

REVISION LOG

REV#	DATE	DESCRIPTION
1		
2		
3		
4		

DESIGN BY: J. HYLAND  
DRAWN BY: S. WRIGHT, J. HYLAND  
CHECKED BY: J. HYLAND, D. JENSEN  
DATE: 10/2/2023  
NORTH

SCALE: AS SHOWN



**L3.1**

ISSUED FOR CONTRACTOR BIDDING  
NOT FOR CONSTRUCTION

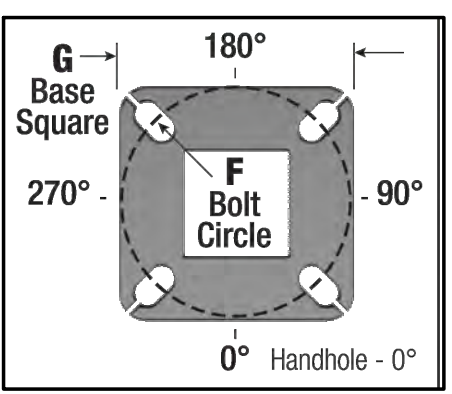
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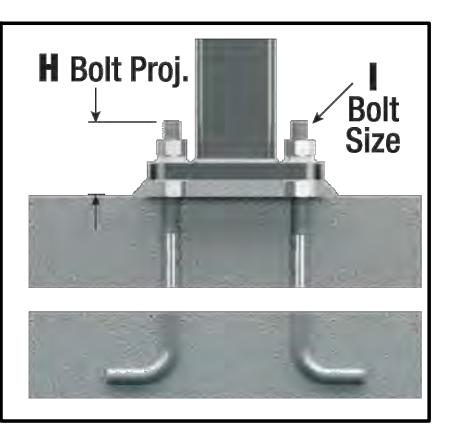
LUMECON LED SMALL AREA LIGHT MODEL #LDS-SAL-80-BK-T3-1-30-MAS-X-XLED  
ADD ALTERNATE 3

GFCI RECEPTACLE WITH COVER (WEATHER PROOF WHILE IN USE)

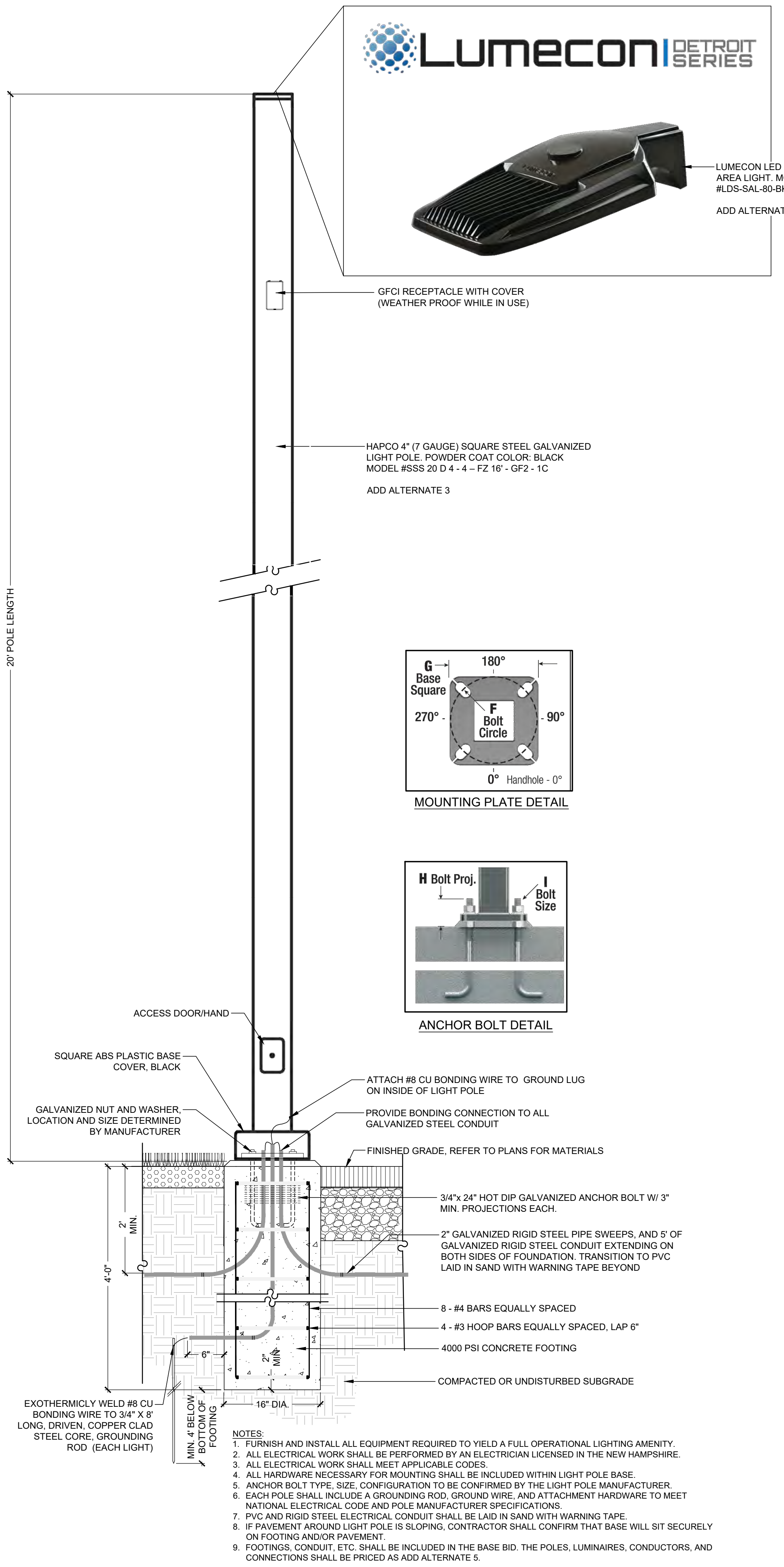
HAPCO 4" (7 GAUGE) SQUARE STEEL GALVANIZED LIGHT POLE, POWDER COAT COLOR: BLACK MODEL #SSS 20 D 4 - 4 - FZ 16" - GF2 - 1C  
ADD ALTERNATE 3



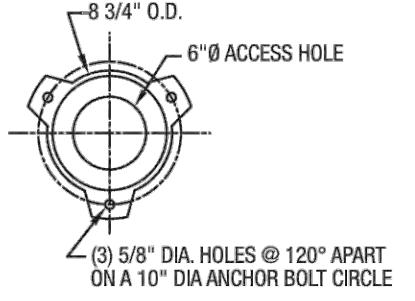
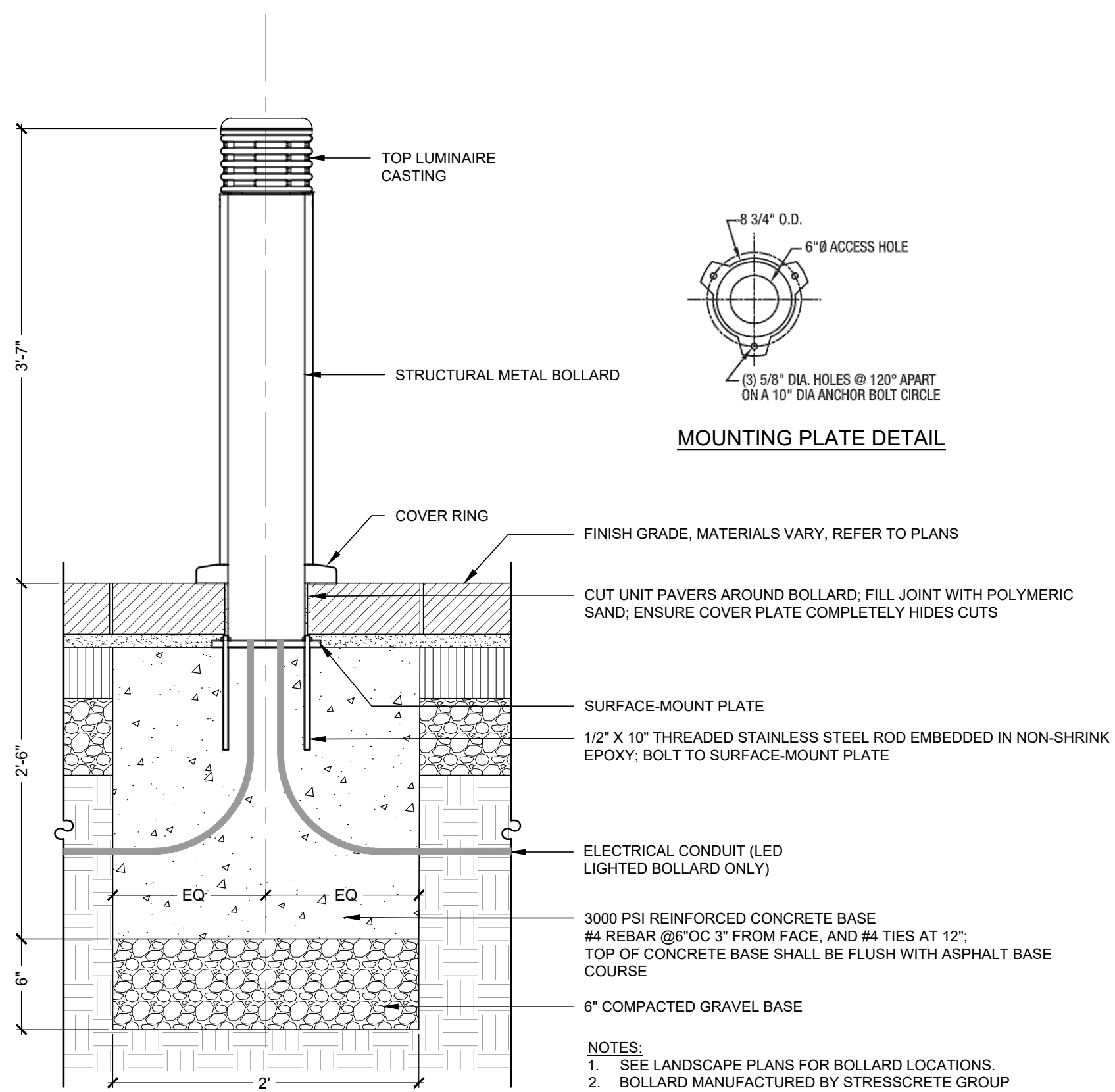
MOUNTING PLATE DETAIL



ANCHOR BOLT DETAIL



- NOTES:
- FURNISH AND INSTALL ALL EQUIPMENT REQUIRED TO YIELD A FULL OPERATIONAL LIGHTING AMENITY.
  - ALL ELECTRICAL WORK SHALL BE PERFORMED BY AN ELECTRICIAN LICENSED IN THE NEW HAMPSHIRE.
  - ALL ELECTRICAL WORK SHALL MEET APPLICABLE CODES.
  - ALL HARDWARE NECESSARY FOR MOUNTING SHALL BE INCLUDED WITHIN LIGHT POLE BASE.
  - ANCHOR BOLT TYPE, SIZE, CONFIGURATION TO BE CONFIRMED BY THE LIGHT POLE MANUFACTURER.
  - EACH POLE SHALL INCLUDE A GROUNDING ROD, GROUND WIRE, AND ATTACHMENT HARDWARE TO MEET NATIONAL ELECTRICAL CODE AND POLE MANUFACTURER SPECIFICATIONS.
  - PVC AND RIGID STEEL ELECTRICAL CONDUIT SHALL BE LAID IN SAND WITH WARNING TAPE.
  - IF PAVEMENT AROUND LIGHT POLE IS SLOPING, CONTRACTOR SHALL CONFIRM THAT BASE WILL SIT SECURELY ON FOOTING AND/OR PAVEMENT.
  - FOOTINGS, CONDUIT, ETC. SHALL BE INCLUDED IN THE BASE BID. THE POLES, LUMINAIRES, CONDUCTORS, AND CONNECTIONS SHALL BE PRICED AS ADD ALTERNATE 5.



MOUNTING PLATE DETAIL

Lighted Bollard

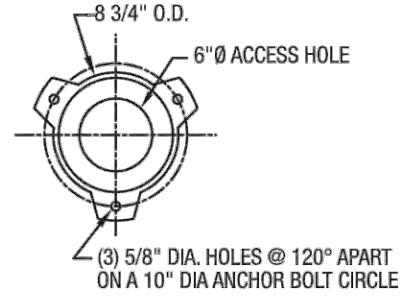
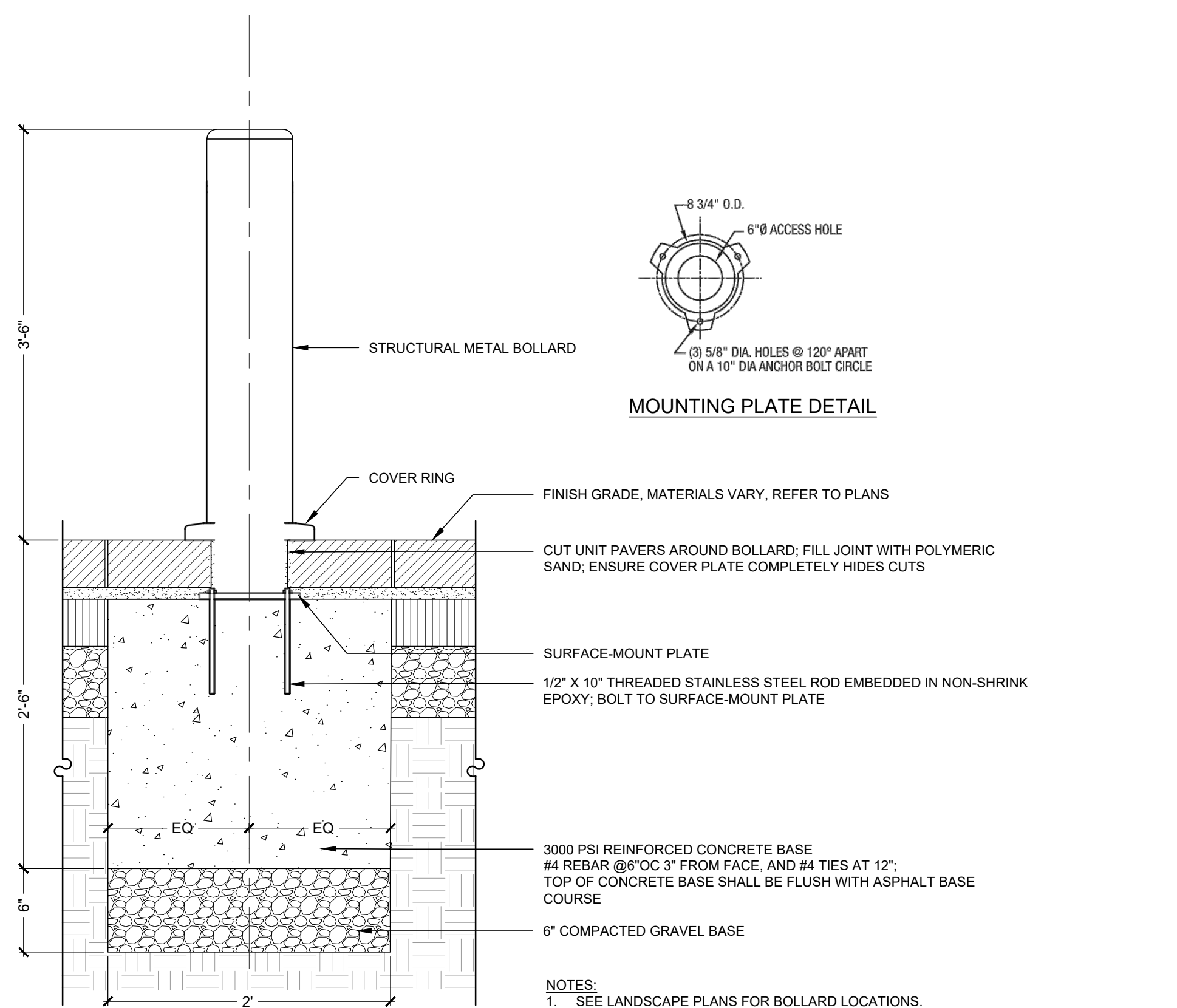
Not to Scale

1  
L3.2

Underground Electrical Trench

Not to Scale

2  
L3.2

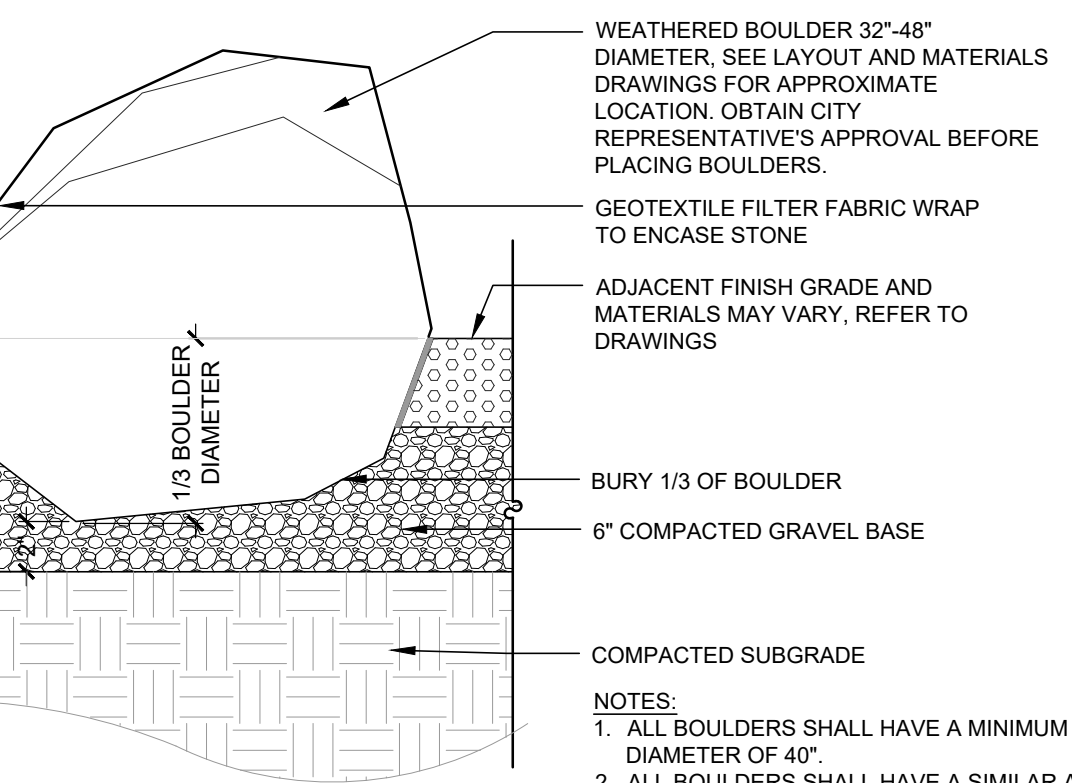


MOUNTING PLATE DETAIL

Non-Lighted Bollard

Not to Scale

4  
L3.2



- NOTES:
- ALL BOULDERS SHALL HAVE A MINIMUM AVERAGE DIAMETER OF 40".
  - ALL BOULDERS SHALL HAVE A SIMILAR APPEARANCE.
  - CONTRACTOR SHALL MAKE EVERY EFFORT TO MINIMIZE SURFACE GAUGING OF BOULDERS DURING INSTALLATION.

Weathered Boulder (Salvaged)

Not to Scale

5  
L3.2

Area Light - Base Bid and Add Alternate 5

Not to Scale

3  
L3.2

4  
L3.2

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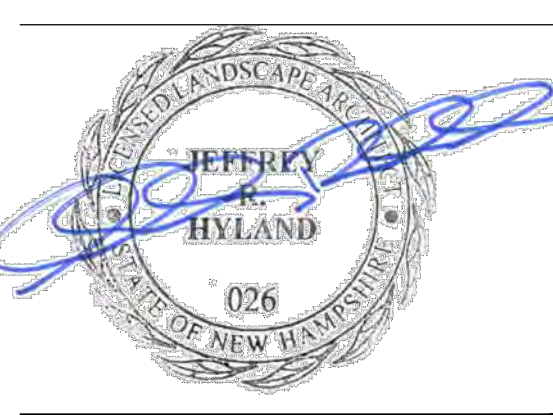
LANDSCAPE DETAILS

REVISION LOG

REV#	DATE	DESCRIPTION
1	10/2/2023	ISSUED FOR CONTRACTOR BIDDING

PROJECT NO. 22058.0  
DESIGN BY J.HYLAND  
DRAWN BY S.WRIGHT, JHYLAND  
CHECKED BY J.HYLAND, D.JENSEN  
DATE 10/2/2023  
NORTH

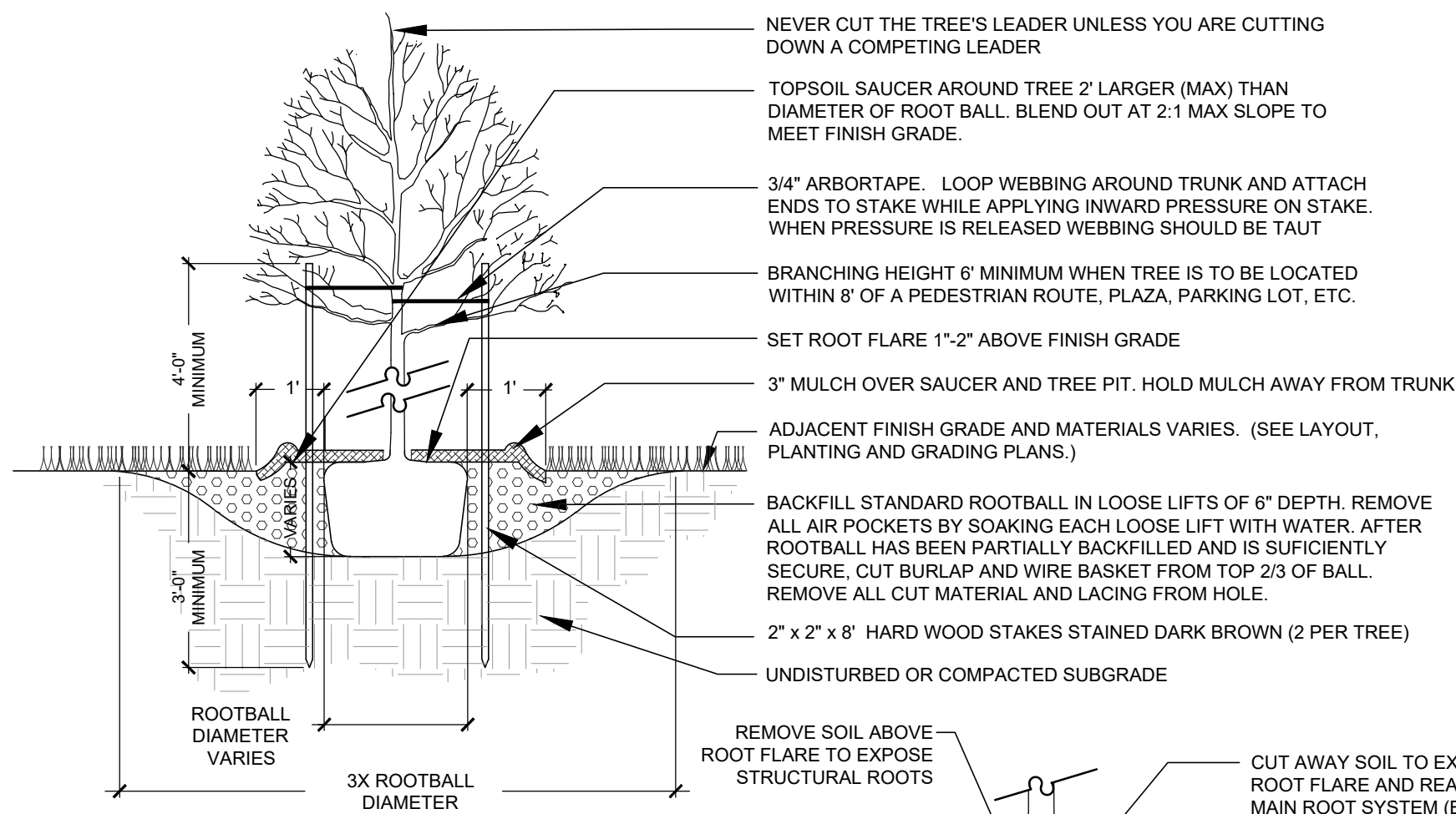
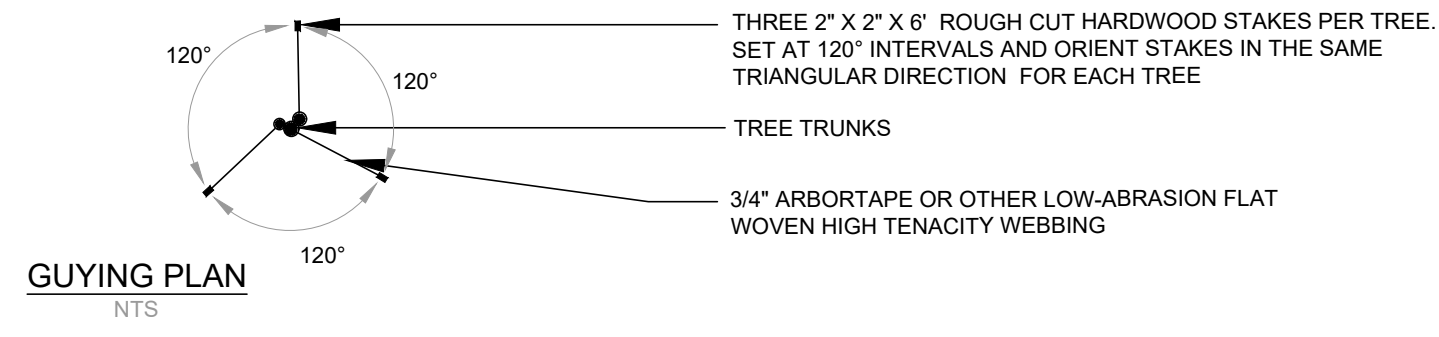
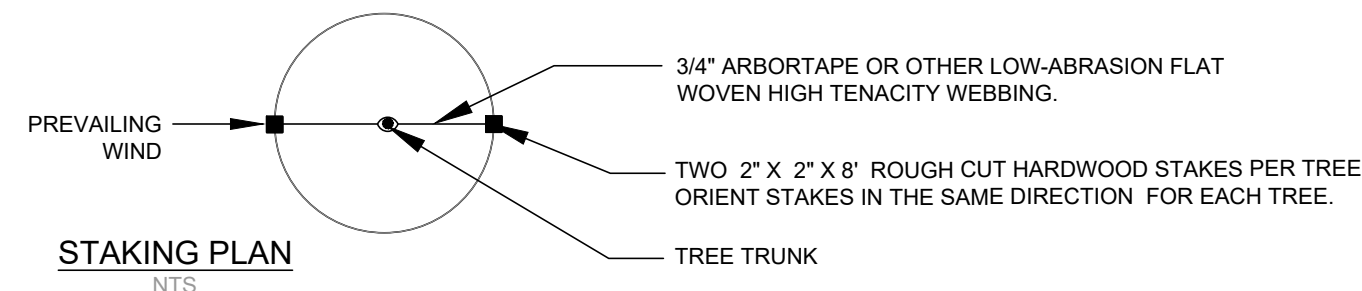
SCALE AS SHOWN



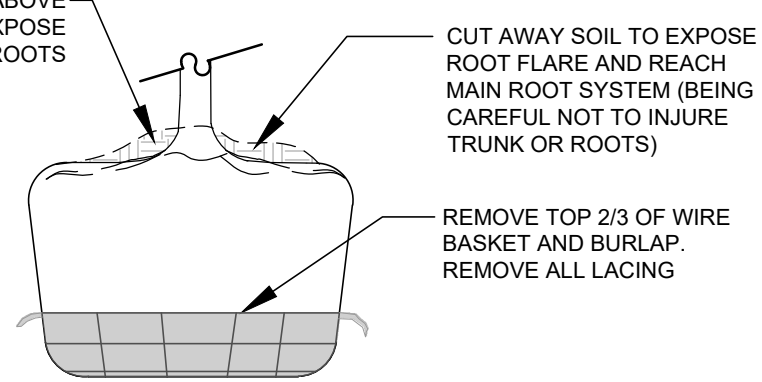
L3.2

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S:\22058.0 - Mary E. Bartlett Memorial Library\Drawings\LD-231002.dwg, JRH 10/2/2023 8:17:46 AM



- NOTES:
1. ORIENT TREE IN THE SAME RELATIONSHIP TO NORTH IN WHICH IT WAS GROWN IN THE NURSERY TO MINIMIZE THE POTENTIAL FOR BARK SCALD.
  2. TREES SHALL BE DELIVERED WITH SOME FORM OF NORTH DEMARCATION.
  3. ALL TREE STAKES AND STAKING MATERIALS SHALL BE REMOVED ONE YEAR AFTER INSTALLATION.

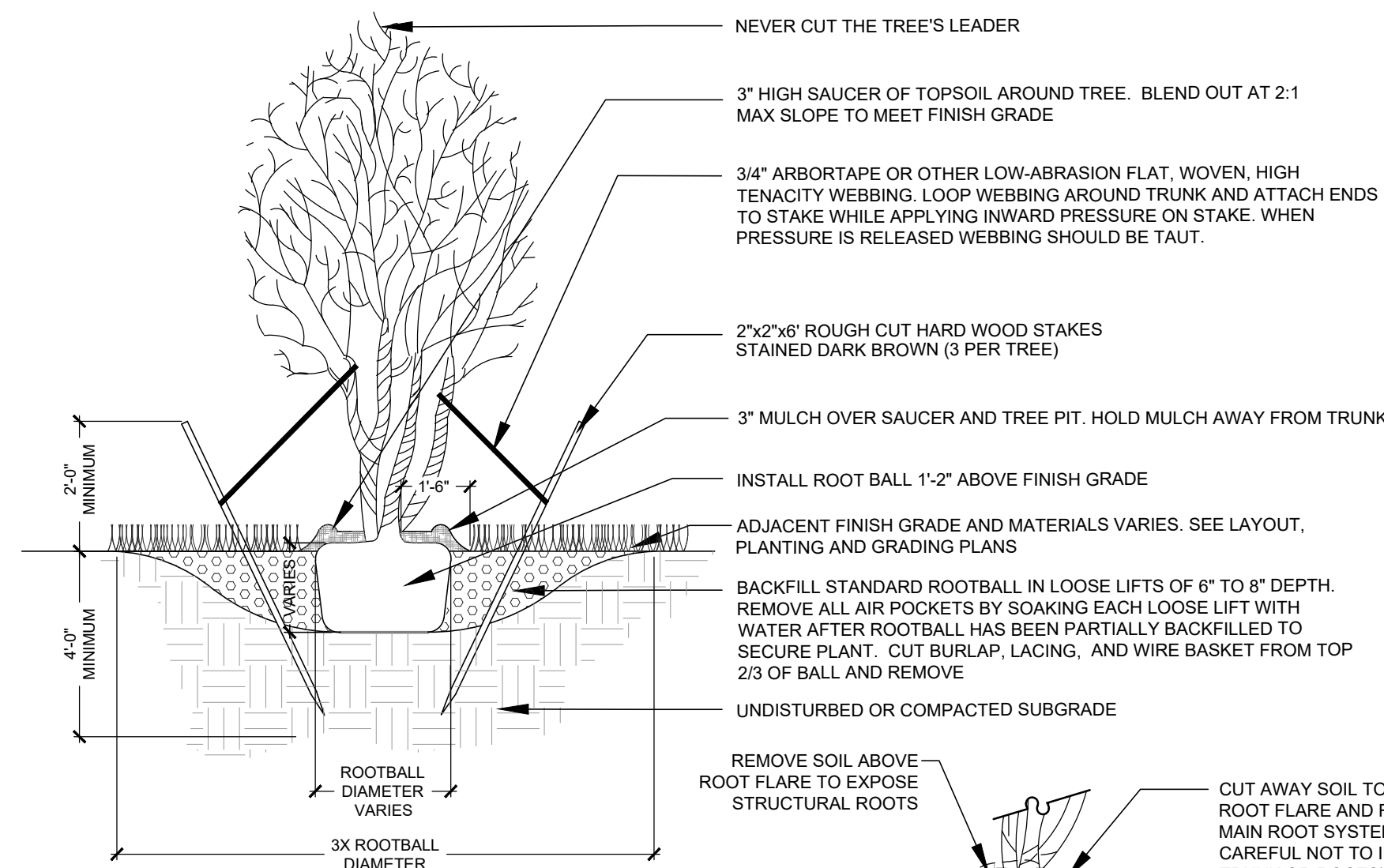


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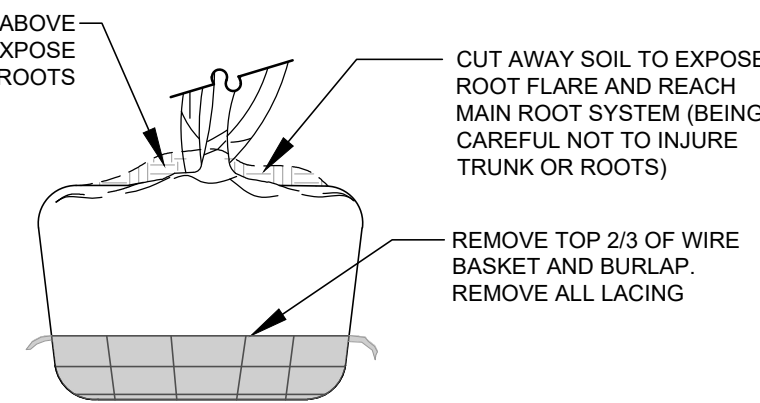
### Deciduous Shade Tree

Not to Scale

1 L3.3



- NOTES:
1. ORIENT TREE IN THE SAME RELATIONSHIP TO NORTH IN WHICH IT WAS GROWN IN THE NURSERY TO MINIMIZE THE POTENTIAL FOR BARK SCALD.
  2. TREES SHALL BE DELIVERED WITH SOME FORM OF NORTH DEMARCATION.
  3. REFER TO DECIDUOUS SHADE TREE DETAIL FOR THE PLANTING OF SINGLE STEMMED FLOWERING TREES.

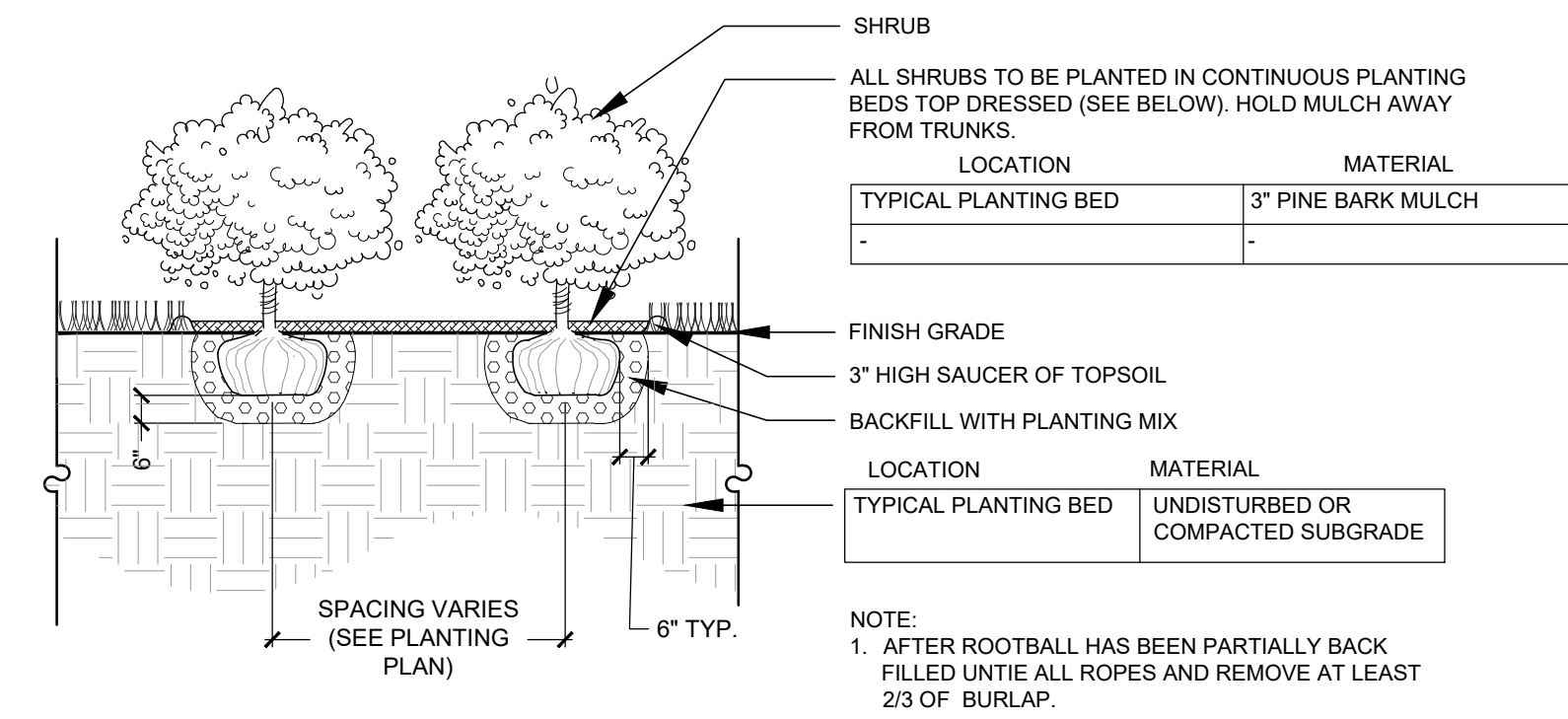


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### Deciduous Flowering Tree (Multi-Stemmed)

Not to Scale

2 L3.3



LOCATION	MATERIAL
TYPICAL PLANTING BED	3\"/>

LOCATION	MATERIAL
TYPICAL PLANTING BED	UNDISTURBED OR COMPACTED SUBGRADE

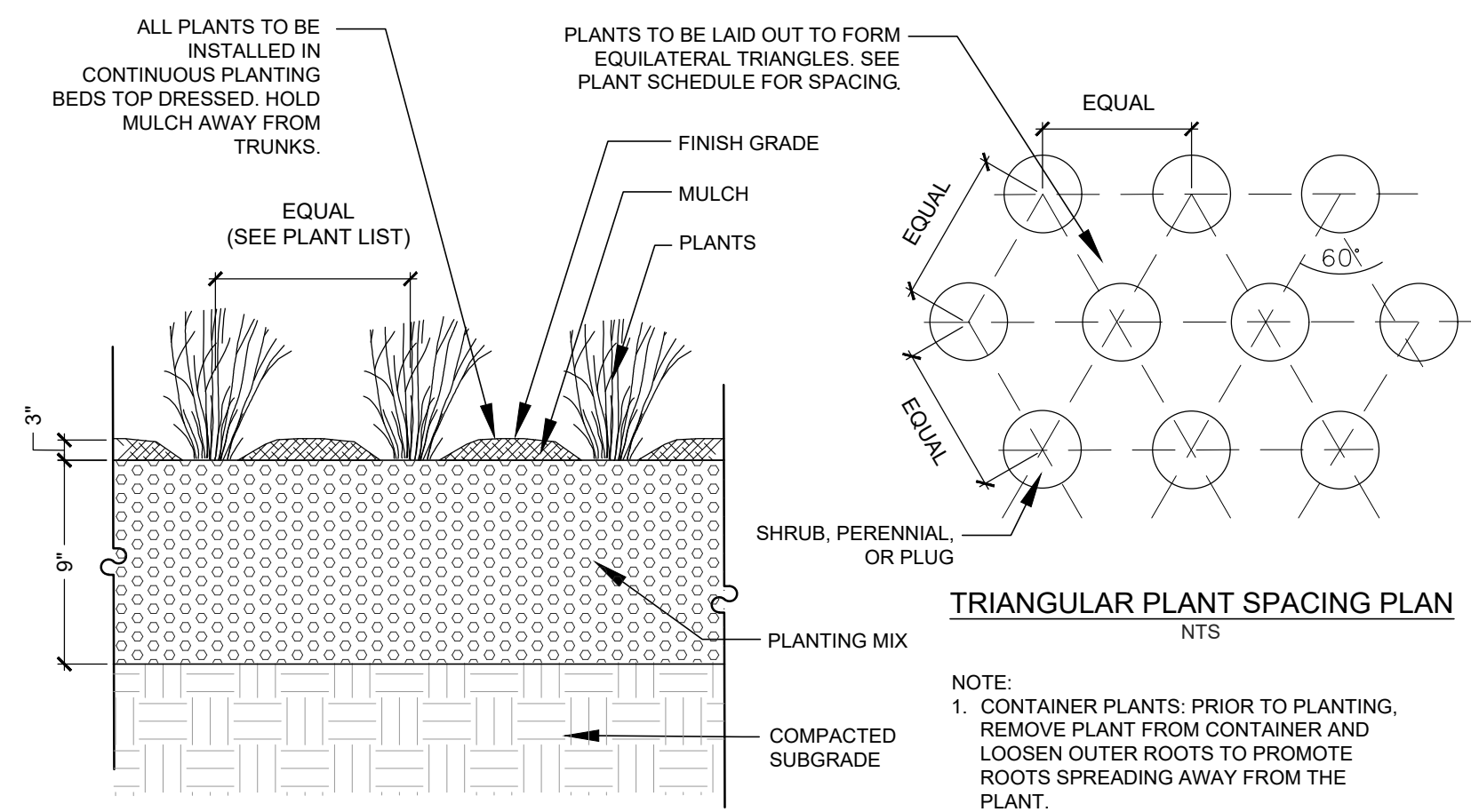
- NOTE:
1. AFTER ROOTBALL HAS BEEN PARTIALLY BACK FILLED UNTIE ALL ROPES AND REMOVE AT LEAST 2/3 OF BURLAP.

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### Shrub Planting

Not to Scale

3 L3.3

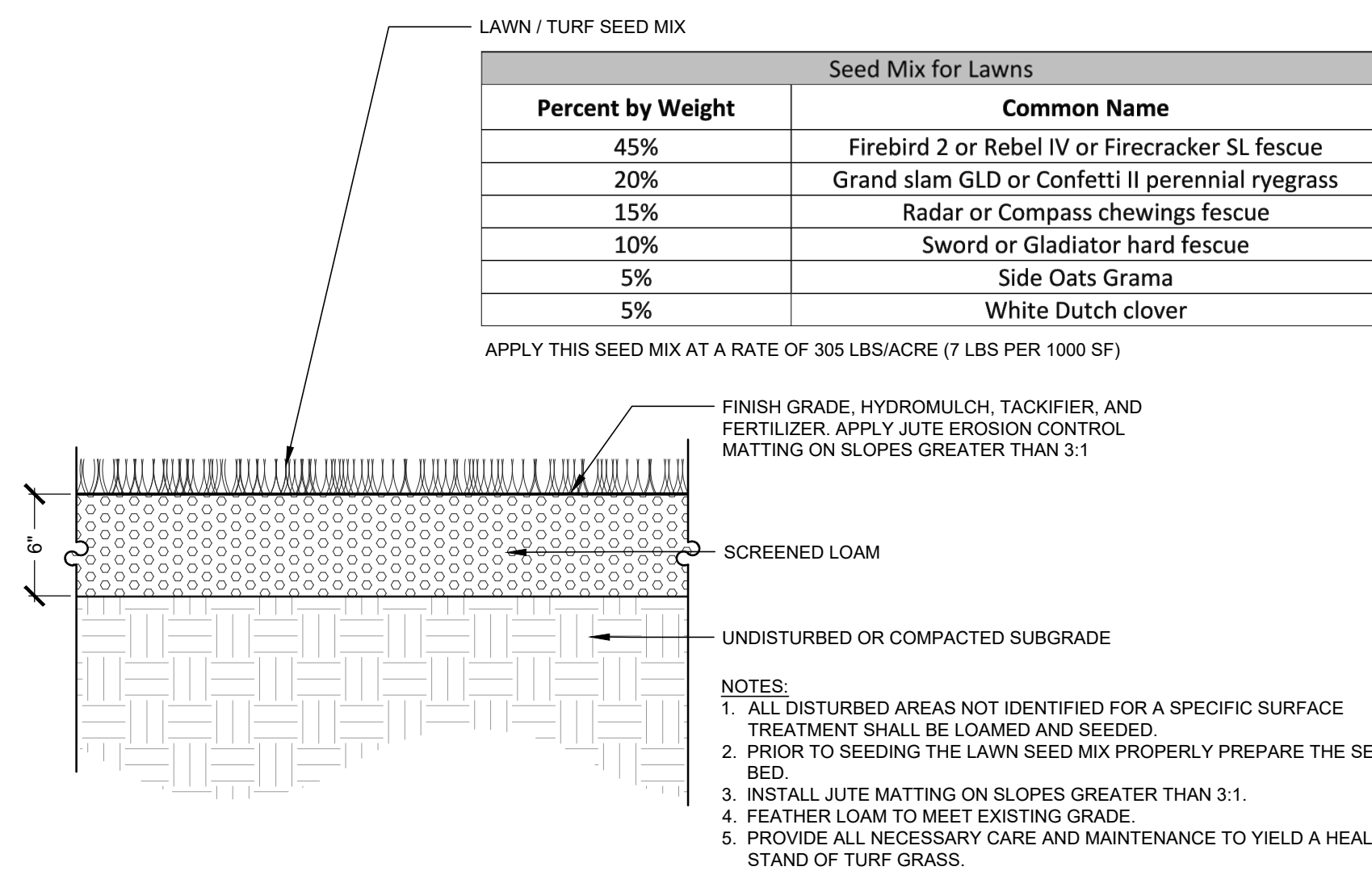


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### Perennial/Ornamental Grass/Groundcover Planting

Not to Scale

4 L3.3



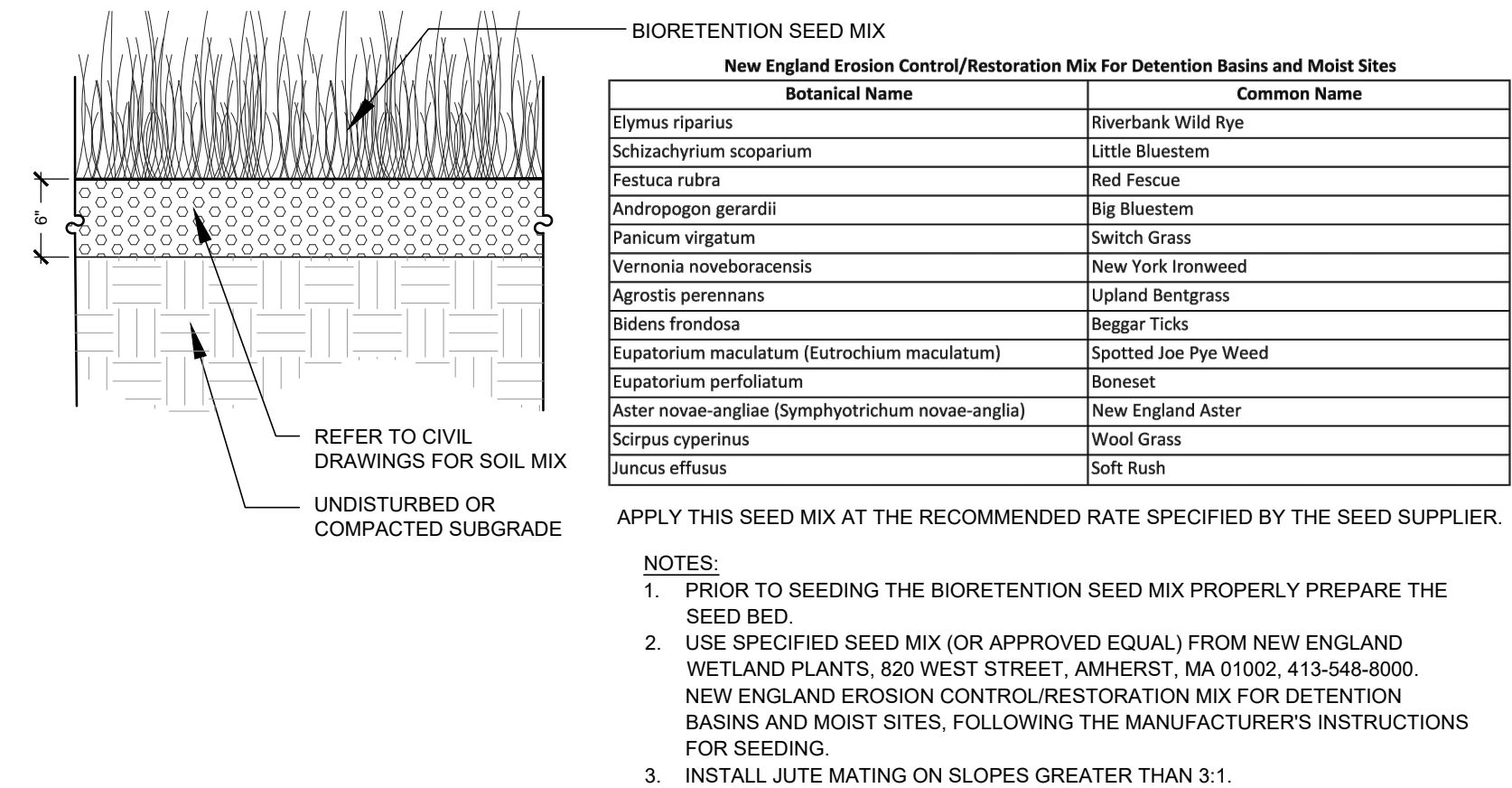
Seed Mix for Lawns	
Percent by Weight	Common Name
45%	Firebird 2 or Rebel IV or Firecracker SL fescue
20%	Grand slam GLD or Confetti II perennial ryegrass
15%	Radar or Compass chewing fescue
10%	Sword or Gladiator hard fescue
5%	Side Oats Grama
5%	White Dutch clover

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### Loam and Lawn Seeding

Not to Scale

5 L3.3



Botanical Name	Common Name
Elymus riparius	Riverbank Wild Rye
Schizanthyrium scoparium	Little Bluestem
Festuca rubra	Red Fescue
Andropogon gerardii	Big Bluestem
Panicum virgatum	Switch Grass
Vernonia noveboracensis	New York Ironweed
Agrostis perennans	Upland Bentgrass
Bidens frondosa	Beggar Ticks
Eupatorium maculatum (Eurochium maculatum)	Spotted Joe Pye Weed
Eupatorium perfoliatum	Boneset
Aster novae-angliae (Symphyotrichum novae-angliae)	New England Aster
Scirpus cyperinus	Wool Grass
Juncus effusus	Soft Rush

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### Bioretention Seed Mix

Not to Scale

6 L3.3



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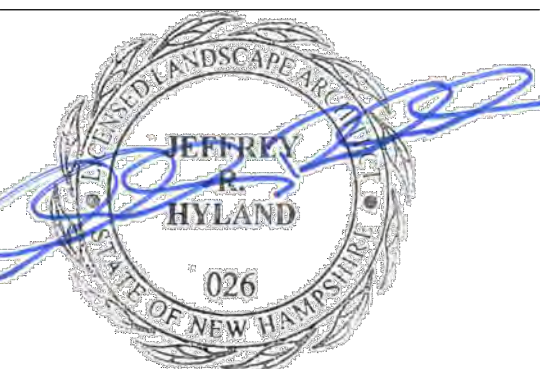
### LANDSCAPE DETAILS

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DRAWN BY S.WRIGHT, JHYLAND  
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NORTH

SCALE AS SHOWN



L3.3

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