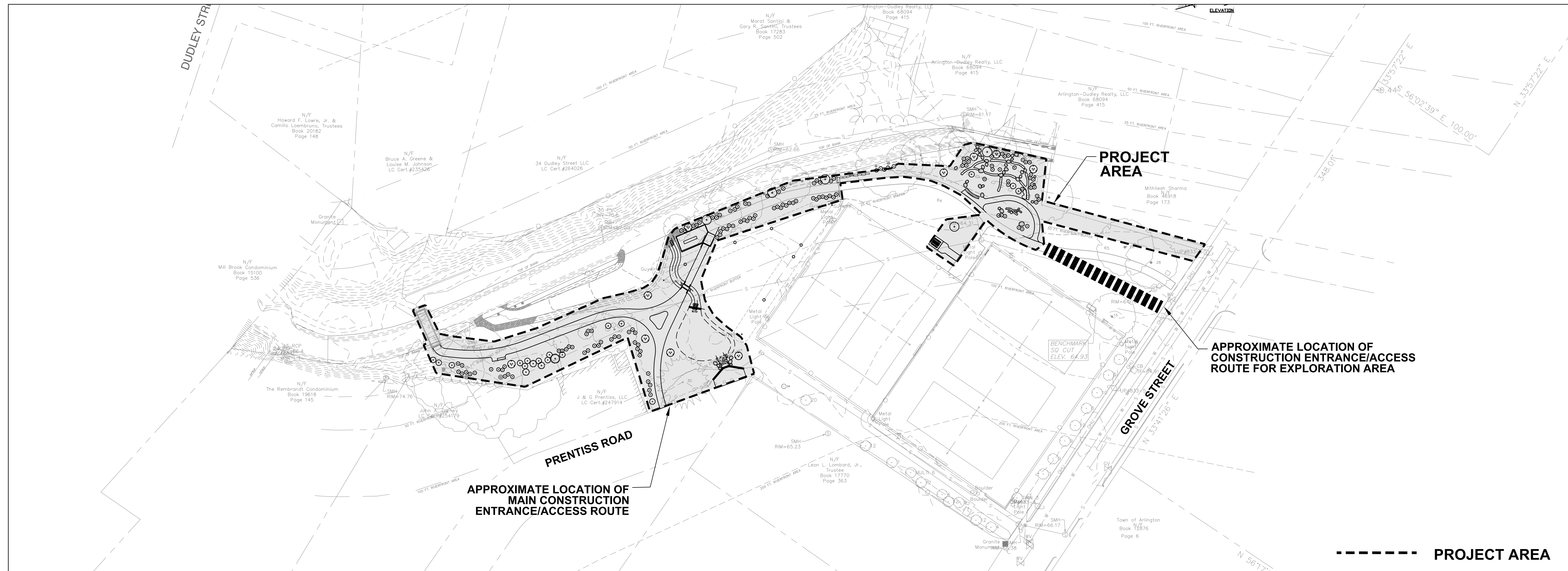


WELLINGTON PARK & MILL BROOK CORRIDOR REVITALIZATION PROJECT - PHASE 3

100% CONSTRUCTION DOCUMENTS
JANUARY 29, 2021

PROJECT LOCATION PLAN



SITE LOCUS PLAN - ARLINGTON



SCALE: NTS



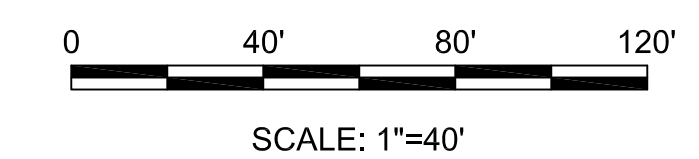
PROJECT DESCRIPTION

THE ARLINGTON PARK AND RECREATION COMMISSION AND ITS PARTNERS WISH TO COMPLETE A COMMUNITY-DRIVEN DESIGN THAT WILL IMPROVE PASSIVE RECREATIONAL OPPORTUNITIES AT WELLINGTON PARK IN A MANNER THAT USES ENVIRONMENTALLY SUSTAINABLE APPROACHES WHILE MEETING THE FOLLOWING GOALS:

- INCREASE ACCESS WITHIN THE PARK AND ALONG THE BROOK WITH APPROXIMATELY 350 LF OF NEW POROUS PATHWAY
- INCREASE RECREATIONAL QUALITY AND OPPORTUNITY WITH NEW SITE AMENITIES INCLUDING BENCHES, PICNIC TABLE AND EXPLORATION AREA
- PROTECT AND ENHANCE WILDLIFE HABITAT ALONG THE BROOK WITH NATIVE PLANTINGS DERIVED FROM A PLANT COMMUNITY BASED APPROACH
- IMPROVE WATER QUALITY OF THE MILL BROOK BY LIMITING DIRECT RUNOFF AND INCREASING STORMWATER INFILTRATION

DRAWING INDEX

SHEET NO.	SHEET TITLE
L-0	COVER SHEET
EC	EXISTING CONDITIONS PLAN
SP	SITE PREPARATION PLAN
L-1	SITE PLAN
L-2	PLANTING PLAN
L-3	EXPLORATION AREA ENLARGEMENT PLAN AND DETAILS
L-4	BIORETENTION BASIN ENLARGEMENT PLAN AND DETAILS
L-5	BOARDWALK ENLARGEMENT PLAN AND DETAILS
L-6	SITE DETAILS
L-7	PLANTING DETAILS AND SCHEDULE



Client/Owner:

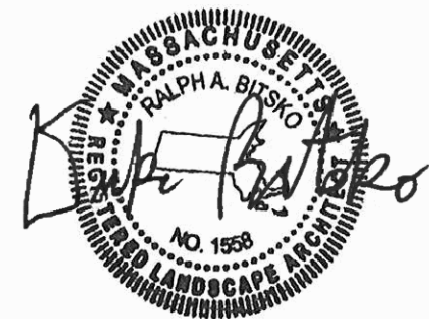


Town of Arlington
422 Summer Street, Arlington, MA 02474

HATCH

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Stamp:



Project:

WELLINGTON PARK & MILL BROOK CORRIDOR
REVITALIZATION PROJECT: PHASE 3

WELLINGTON PARK - ARLINGTON, MA
100% CONSTRUCTION DOCUMENTS

Project Number: 00205072-00

Hatch Project Number: H-362472

Date: January, 2021

Drawn By: AK, AG

Designed By: AK

Reviewed By: DB

Scale: As shown

Revisions

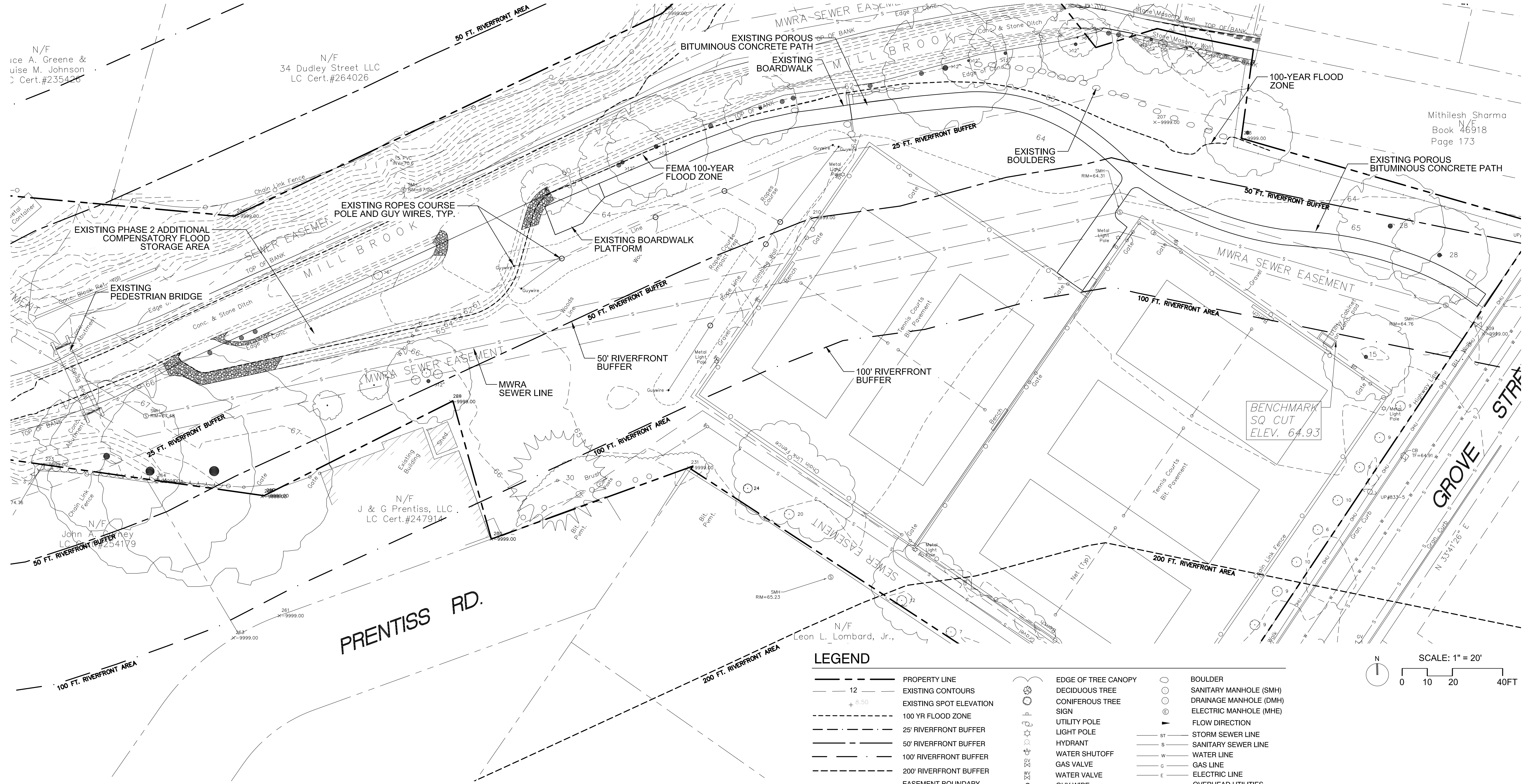
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COVER SHEET

Sheet No:

L-0



SURVEY NOTES

1. TOPOGRAPHIC SURVEY INFORMATION IS A COMBINATION OF AN ON-THE-GROUND INSTRUMENT SURVEY BY WESTON AND SAMPSON LAND SURVEYORS, INC. IN SEPTEMBER 2018 (WESTON & SAMPSON ENGINEERS, INC. 5 CENTENNIAL DRIVE, PEABODY, MA 01960, TEL: 978 532 1900), AND AS-BUILT GRADES FROM THE PREVIOUS PROJECT PHASE.
2. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE EXISTING CONDITIONS SHOWN ON THESE PLANS FROM THE AS-BUILT INFORMATION OF THE PREVIOUS PROJECT PHASE SHOULD NOT BE RELIED UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR, PRIOR TO THE START OF CONSTRUCTION, SHALL THOROUGHLY REVIEW THE EXISTING CONDITIONS AS THEY RELATE TO THESE SITE PLAN DRAWINGS AND NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES PRIOR TO THE START OF CONSTRUCTION.
3. BEARINGS REFER TO THE MASSACHUSETTS NAD 83 STATE PLANE COORDINATE SYSTEM (MAINLAND ZONE).
4. ELEVATIONS REFER TO THE 1988 NORTH AMERICAN DATUM (NAVD 88).
5. REFERENCE IS MADE TO THE FOLLOWING MAPS:
 - A. "PLAN OF BUILDING LOTS IN ARLINGTON MASS. BELONGING TO W.M. RICHARDSON", BY JOSIAH HOVEY, SCALE 1" = 50', DATED JUNE 1869, RECORDED IN PLAN BOOK 86, PLAN 2 OF THE MIDDLESEX SOUTH REGISTRY OF DEEDS.
 - B. "PLAN OF LOTS BELONGING TO GEORGIANNA HOBBS ARLINGTON, MASS.", BY JAMES ADAM, SCALE 1"=40', DATED FEBRUARY 1906, RECORDED IN PLAN BOOK 200, PLAN 37 OF THE MIDDLESEX SOUTH REGISTRY OF DEEDS.
 - C. "SECTION 80 MILL BROOK VALLEY SEWER NORTH METROPOLITAN SYSTEM ARLINGTON", DATED JULY 1926.
 - D. "PLAN OF LAND IN ARLINGTON MASS.", BY C.H. GANNETT CO., SCALE 1" =30', DATED AUGUST 1927, RECORDED AS PLAN 979 OF 1931 OF THE MIDDLESEX SOUTH REGISTRY OF DEEDS.
 - E. "PLAN OF LAND IN ARLINGTON MASS. TO BE TAKEN FOR PARK PURPOSES", BY JAMES M. KEANE, SCALE 1" =30', DATED FEB. 14, 1933, RECORDED AS PLAN 182 OF 1933 OF THE MIDDLESEX SOUTH REGISTRY OF DEEDS.
 - F. "PLAN SHOWING LAND TO BE TRANSFERRED IN ARLINGTON MASS.", BY JAMES M. KEANE, SCALE 1" =30', DATED FEB. 14, 1933, RECORDED AS PLAN 38 OF 1934 OF THE MIDDLESEX SOUTH REGISTRY OF DEEDS.
 - G. "DENNIS HURLEY PLAN OF LAND GROVE STREET ARLINGTON", BY RALPH ADAMS, SCALE 1" =20', DATED DEC. 9, 1933, RECORDED AS PLAN 20 OF 1934 OF THE MIDDLESEX SOUTH REGISTRY OF DEEDS.
 - H. "SUBDIVISION OF LAND IN ARLINGTON MASS.", BY JOS. J. SULLIVAN, SCALE 1"=20', DATED MAY 1976, RECORDED AS PLAN 761 OF 1946 OF THE MIDDLESEX SOUTH REGISTRY OF DEEDS.
 - I. "SUBDIVISION OF LAND IN ARLINGTON MASS", BY T.F. GEARY, SCALE 1" =20', DATED OCT. 30, 1947, RECORDED AS PLAN 449 OF 1949 OF THE MIDDLESEX SOUTH REGISTRY OF DEEDS.
 - J. LAND COURT PLAN 20878A DATED OCTOBER 1947.
 - K. LAND COURT PLAN 22019A DATED SEPTEMBER 1949.
 - L. "PLAN OF THE RELOCATION OF GROVE STREET ARLINGTON AS ORDERED BY THE COUNTY COMMISSIONERS", SCALE 1" =40', DATED 1964, RECORDED AS PLAN 133 OF 1964 OF THE MIDDLESEX SOUTH REGISTRY OF DEEDS.
 - M. "SECTION 92 MILL BROOK VALLEY RELIEF SEWER NORTH METROPOLITAN SYSTEM ARLINGTON", DATED MAY 1966.
 - N. "THE COMMONWEALTH OF MASSACHUSETTS METROPOLITAN DISTRICT COMMISSION SEWERAGE DIVISION PLAN OF LAND IN ARLINGTON", SCALE 1"=40', DATED MAY 1966, RECORDED AS PLAN 281 OF 1967 OF THE MIDDLESEX SOUTH REGISTRY OF DEEDS.
 - O. "PLAN OF LAND IN ARLINGTON MASS.", BY CURLEY & HANSEN, SCALE 1" =20', DATED MAY 29, 1971, RECORDED AS PLAN 657 OF 1971 OF THE MIDDLESEX SOUTH REGISTRY OF DEEDS.
 - P. LAND COURT PLAN 4481B DATED APRIL 26, 1969.
 - Q. "PLAN OF LAND IN ARLINGTON MASS. SHOWING SEWER & WATER EASEMENT", BY R.L. HIGGINS, SCALE 1" =40', DATED JAN. 1973, RECORDED AS PLAN 65 OF 1973 OF THE MIDDLESEX SOUTH REGISTRY OF DEEDS.
 - R. "PLAN OF LAND IN ARLINGTON MASS.", BY HAYES ENGINEERING INC., SCALE 1"=30', DATED JANUARY 31, 1983, RECORDED AS PLAN 144 OF 1983 OF THE MIDDLESEX SOUTH REGISTRY OF DEEDS.
 - S. "PLAN OF LAND IN ARLINGTON MA. PREPARED FOR ROSE-MAL HERITAGE REALTY TRUST", BY DAVID D. LANATA & ASSOC., INC., SCALE 1" =20', DATED JUNE 24, 1987, RECORDED AS PLAN 1185 OF 1987 OF THE MIDDLESEX SOUTH REGISTRY OF DEEDS.
 - T. LAND COURT PLAN 4481C DATED OCTOBER 11, 2001.
 - U. "SITE PLAN 19 PRENTISS ROAD ARLINGTON MA. 02147", BY PFS LAND SURVEYING, INC., SCALE 1" =10', DATED 12/24/2013, RECORDED AS PLAN 473 OF 2014 OF THE MIDDLESEX SOUTH REGISTRY OF DEEDS.
6. THE PROPERTY IS TOGETHER WITH AND SUBJECT TO SUCH EASEMENTS AND RIGHTS OF RECORD AS MAY APPEAR.
7. UNDERGROUND UTILITY, STRUCTURE AND FACILITY LOCATIONS DEPICTED HEREON HAVE BEEN COMPILED, IN PART, FROM RECORD MAPPING AND OTHER DATA SUPPLIED BY THE RESPECTIVE UTILITY COMPANIES, GOVERNMENTAL AGENCIES AND/OR OTHER SOURCES. THESE LOCATIONS MUST BE CONSIDERED APPROXIMATE IN NATURE. ADDITIONALLY, OTHER SUCH FEATURES MAY EXIST ON THE SITE, THE EXISTENCE OF WHICH ARE UNKNOWN TO WESTON & SAMPSON. THE EXISTENCE, SIZE AND LOCATION OF ALL SUCH FEATURES MUST BE DETERMINED AND VERIFIED IN THE FIELD BY THE APPROPRIATE AUTHORITIES PRIOR TO CONSTRUCTION. CALL BEFORE YOU DIG.

Client/Owner:

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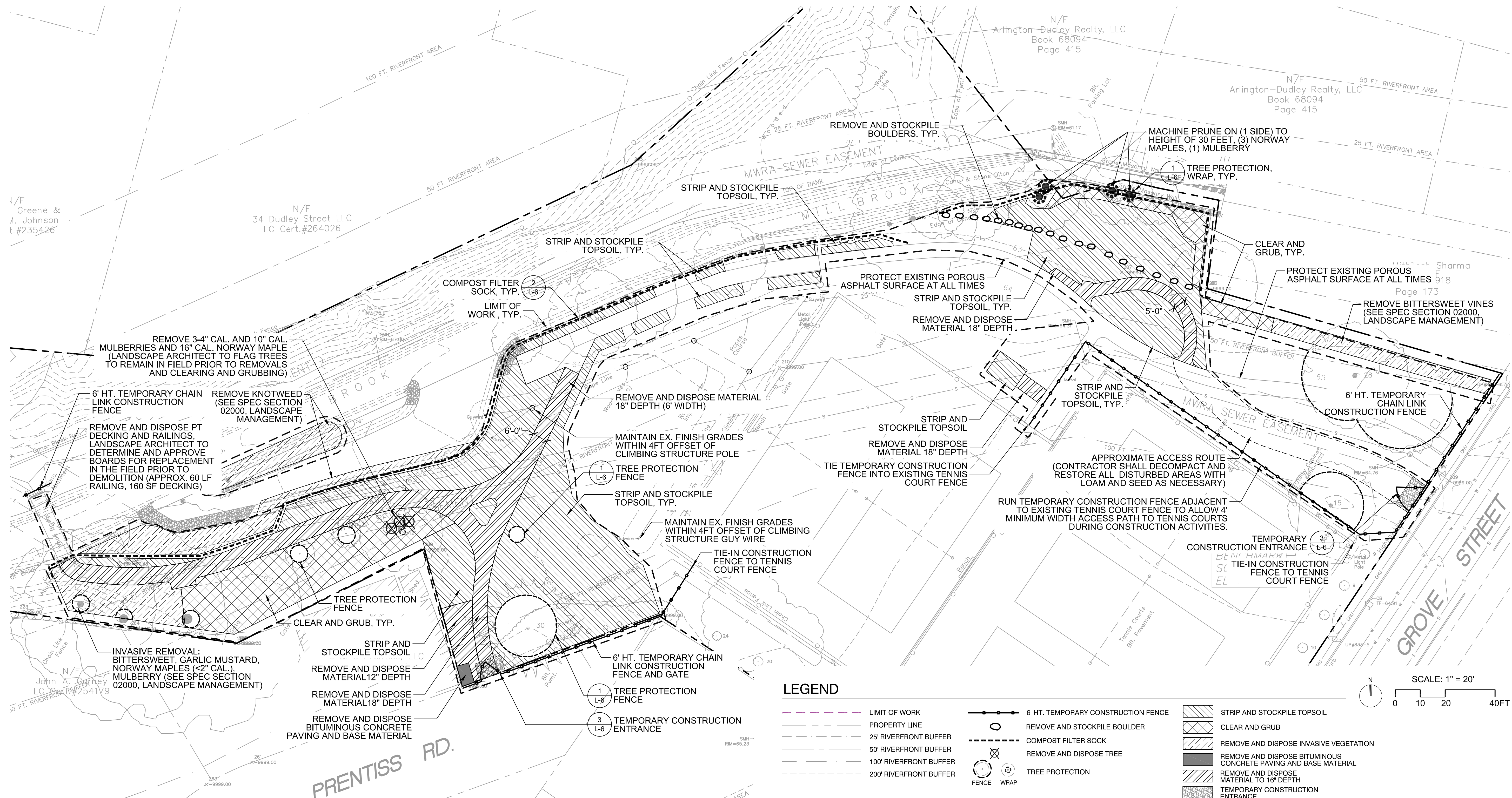
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EXISTING CONDITIONS PLAN

Sheet No:



SITE PREPARATION, DEMOLITION AND EROSION CONTROL NOTES:

- CONTRACTOR IS CAUTIONED THAT LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AND STRUCTURES, AS SHOWN ON THESE PLANS, IS BASED ON SITE SURVEY AND FIELD MEASUREMENTS. THIS INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. CONTRACTOR, PRIOR TO THE START OF CONSTRUCTION, SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES IN THE FIELD. CONTRACTOR MUST CONTACT THE APPROPRIATE UTILITY COMPANY, ANY GOVERNING PERMITTING AUTHORITY, AND "DIG SAFE" AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION WORK TO REQUEST THE EXACT FIELD LOCATION OF UTILITIES AND THE LANDSCAPE ARCHITECT SHALL BE NOTIFIED, IN WRITING, OF ANY UTILITIES INTERFERING WITH THE PROPOSED CONSTRUCTION AND APPROPRIATE REMEDIAL ACTIONS TAKEN BEFORE PROCEEDING WITH THE WORK. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLAN.
- CONTRACTOR SHALL PROTECT ALL EXISTING DRAINAGE STRUCTURES, LIGHT FIXTURES AND SITE AMENITIES UNLESS OTHERWISE NOTED. CONTRACTOR SHALL IMMEDIATELY NOTIFY LANDSCAPE ARCHITECT OF ANY EXISTING STRUCTURE, FIXTURE OR SITE AMENITY THAT IS IN CONFLICT WITH PROPOSED WORK.
- CONTRACTOR SHALL PROTECT EXISTING POROUS BITUMINOUS ASPHALT PATH AT ALL TIMES DURING CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING POROUS BITUMINOUS SURFACING OF ANY AREAS THAT BECAME CLOGGED WITH

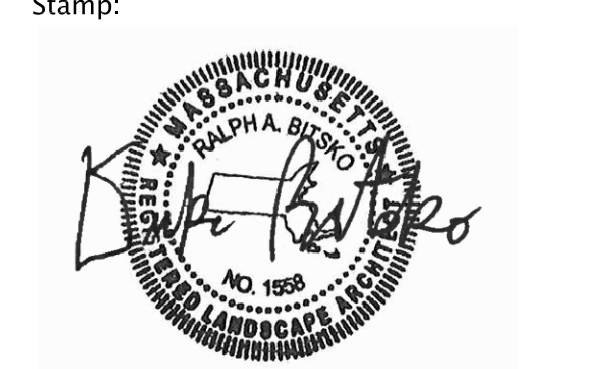
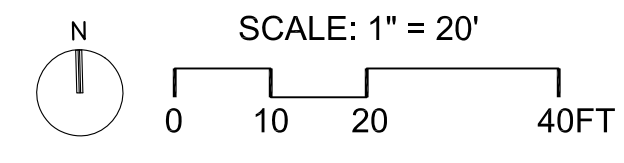
- SEDIMENT OR DEBRIS AT NO COST TO THE OWNER. CARE SHOULD BE TAKEN ADJACENT TO BOTH EXISTING AND NEWLY CONSTRUCTED POROUS ASPHALT PAVING TO ENSURE SURFACE IS PROTECTED FROM SOIL AND SEDIMENT WASHOUT.
- THE AREA, OR AREAS, OF ENTRANCE AND EXIT, TO AND FROM THE SITE, SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO A PUBLIC RIGHT-OF-WAY MUST BE REMOVED IMMEDIATELY.
- FINAL TREE PROTECTION FENCE LOCATIONS SHALL BE DETERMINED IN THE FIELD PRIOR TO CONSTRUCTION ACTIVITY AS DIRECTED BY THE LANDSCAPE ARCHITECT AND MAY DIFFER FROM CONSTRUCTION DOCUMENTS.
- EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO COMMENCEMENT OF ANY SITE WORK OR EARTHWORK OPERATIONS. CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT UPON COMPLETION OF INSTALLATION FOR APPROVAL. ALL MEASURES SHALL BE MAINTAINED DURING CONSTRUCTION, AND SHALL REMAIN IN PLACE UNTIL ALL SITE WORK IS COMPLETE AND GROUND COVER IS FULLY ESTABLISHED.
- STOCKPILES SHALL BE SURROUNDED ON THEIR PERIMETERS WITH STAKED HAY BALES AND/OR SILTATION FENCES TO PREVENT AND/OR CONTROL SILTATION AND EROSION.

- ALL DISTURBED OR EXPOSED AREAS SUBJECT TO EROSION SHALL BE STABILIZED WITH MULCH OR SEED FOR TEMPORARY VEGETATIVE COVER. NO AREA, SUBJECT TO EROSION, SHALL BE LEFT DISTURBED AND UNSTABILIZED FOR PERIODS LONGER THAN IS ABSOLUTELY NECESSARY TO CARRY OUT THAT PORTION OF THE CONSTRUCTION WORK.
- INSPECTION SHALL TAKE PLACE AFTER EACH RAINFALL EVENT. ALL EROSION CONTROL MEASURES SHALL BE ROUTINELY INSPECTED, CLEANED, AND REPAIRED OR REPLACED, AS NECESSARY, THROUGHOUT CONSTRUCTION.
- ALL PROPOSED SLOPES 3:1 OR STEEPER SHALL BE STABILIZED WITH EROSION CONTROL MAT AND PROTECTED FROM EROSION.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND PAYING FOR ANY PERMITS AND/OR CONNECTION MWRA FEES REQUIRED TO CARRY OUT THE WORK INCLUDING, BUT NOT LIMITED TO, DEMOLITION, SITE CONSTRUCTION, ELECTRICAL, STORM AND WATER UTILITIES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROPERLY DISPOSING OF EXCESS FILL, TREES, INVASIVE SPECIES AND DEMOLITION DEBRIS RESULTING FROM CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND ALL LOCAL AND STATE REGULATIONS AT NO ADDITIONAL COST TO THE OWNER. THE CONTRACTOR SHALL NOT BURY OR ALLOW TO BURY SUCH MATERIAL.
- ALL ITEMS CALLED FOR REMOVAL SHALL BE REMOVED TO FULL

- DEPTH INCLUDING ALL FOOTINGS, FOUNDATIONS, AND OTHER APPURTENANCES, EXCEPT AS SPECIFICALLY NOTED OTHERWISE, OR DIRECTED BY THE LANDSCAPE ARCHITECT.
- LANDSCAPE ARCHITECT SHALL VERIFY TREES & STUMPS TO BE REMOVED IN THE FIELD PRIOR TO REMOVAL.
- INVASIVE PLANTS ON SITE THAT ARE TO BE REMOVED SHALL BE CONFIRMED BY THE LANDSCAPE ARCHITECT.
- ALL DISTURBED LANDSCAPE AREAS SHALL BE REPAIRED WITH LOAM AND SEED AT NO COST TO THE OWNER.

LEGEND

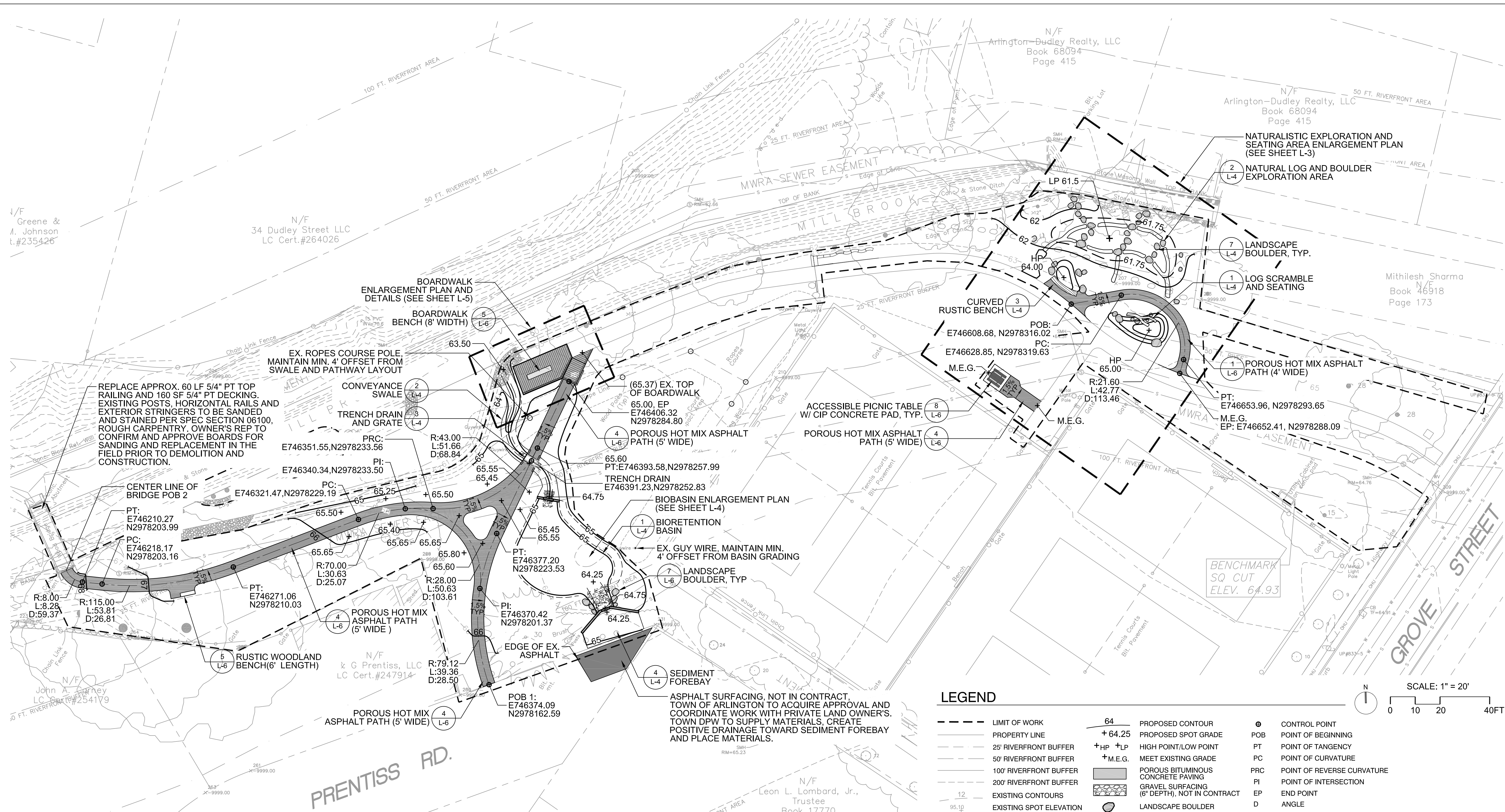
	LIMIT OF WORK		6' HT. TEMPORARY CONSTRUCTION FENCE		STRIP AND STOCKPILE TOPSOIL
	PROPERTY LINE		REMOVE AND STOCKPILE BOULDER		CLEAR AND GRUB
	25' RIVERFRONT BUFFER		COMPOST FILTER SOCK		REMOVE AND DISPOSE INVASIVE VEGETATION
	50' RIVERFRONT BUFFER		REMOVE AND DISPOSE TREE		REMOVE AND DISPOSE BITUMINOUS CONCRETE PAVING AND BASE MATERIAL
	100' RIVERFRONT BUFFER		TREE PROTECTION FENCE		REMOVE AND DISPOSE MATERIAL TO 18" DEPTH
	200' RIVERFRONT BUFFER		TREE PROTECTION WRAP		TEMPORARY CONSTRUCTION ENTRANCE



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Sheet Title:



LAYOUT AND MATERIAL NOTES:

- ALL LAYOUT LINES, OFFSETS OR REFERENCES TO LOCATING OBJECTS ARE EITHER PARALLEL OR PERPENDICULAR UNLESS OTHERWISE DESIGNATED WITH ANGLE OFFSETS NOTED.
- ALL PROPOSED PATHWAYS AND SITE IMPROVEMENTS SHALL BE LAID OUT AND STAKED FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION BY THE OWNER'S REPRESENTATIVE. ANY REQUIRED ADJUSTMENTS SHALL BE UNDERTAKEN AT NO ADDITIONAL COST TO THE OWNER.
- REFER TO SP PLAN FOR SITE PREPARATION, DEMOLITION AND EROSION CONTROL LAYOUT.
- PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION WORK INDICATED IN THE CONSTRUCTION DOCUMENTS, THE CONTRACTOR SHALL VERIFY THE PATHWAY BASELINE SHOWN IS CONSISTENT WITH THE EXISTING PATHWAY ALIGNMENT INDICATED WITHIN THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES BETWEEN THE TWO.
- CONTRACTOR SHALL SET, PROTECT AND REPLACE REFERENCE STAKING AS NECESSARY OR AS REQUIRED BY THE OWNER'S REPRESENTATIVE.
- CONTRACTOR SHALL PROTECT NEW AND EXISTING POROUS HOT

MIX ASPHALT SURFACES AT ALL TIMES DURING CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING POROUS BITUMINOUS SURFACING OF ANY AREAS THAT BECOME CLOGGED WITH SEDIMENT OR DEBRIS AT NO COST TO THE OWNER. CARE SHOULD BE TAKEN WHEN WORKING IN AREAS ADJACENT TO EXISTING AND NEWLY CONSTRUCTED POROUS ASPHALT PAVING TO ENSURE SURFACE IS PROTECTED FROM SOIL AND SEDIMENT WASHOUT.

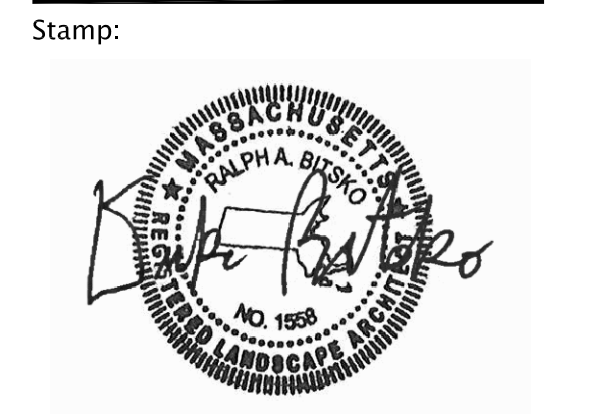
7. CONTRACTOR SHALL PERFORM POST-CONSTRUCTION POROUS HOT MIX ASPHALT VACUUMING AND MAINTENANCE AS INDICATED IN SPECIFICATION SECTION 02795, POROUS HOT MIX ASPHALT.

GRADING AND DRAINAGE NOTES

- THE CONTRACTOR SHALL VERIFY ALL GRADES IN THE FIELD AND REPORT ANY DISCREPANCIES BETWEEN PROPOSED AND EXISTING IMMEDIATELY TO THE OWNER'S REPRESENTATIVE.
- CONTRACTOR SHALL STAKE LIMITS OF SWALE AND BIORETENTION BASIN IN THE FIELD PRIOR TO COMMENCING EXCAVATION. BASIN AND SWALE ROUGH GRADING SHALL BE APPROVED IN THE FIELD BY OWNER'S REPRESENTATIVE.
- ALL PROPOSED PAVEMENTS SHALL SMOOTHLY MEET THE LINE, GRADE AND EDGES OF EXISTING ADJACENT PAVEMENT SURFACES AS WELL THE TOP OF RAMPS AND BACK OF CURBS.

- WHERE NEW EARTHWORK MEETS EXISTING EARTHWORK, CONTRACTOR SHALL BLEND THE GRADES SMOOTHLY, PROVIDING VERTICAL CURVES OR ROUNDS AT ALL TOP AND BOTTOM OF SLOPES, AND ELIMINATE ROUGH SPOTS AND ABRUPT GRADE CHANGES.
- CONTRACTOR SHALL ENSURE ALL AREAS PROPERLY PITCH TO DRAIN, WITH NO SURFACE WATER PONDING OR PUDDLING UNLESS OTHERWISE INDICATED ON THE CONSTRUCTION DRAWINGS.
- ALL NEW WALKWAY / ACCESS PATH GRADING MUST CONFORM TO CURRENT AMERICANS WITH DISABILITIES ACT (ADA), AND MASSACHUSETTS ARCHITECTURAL ACCESS BOARD (MAAB) REGULATIONS: WALKWAYS SHALL MAINTAIN A CROSS PITCH OF NOT MORE THAN ONE AND A HALF (1.5%) PERCENT AND THE RUNNING SLOPE (PARALLEL TO THE DIRECTION OF TRAVEL) BETWEEN 1% MIN. AND 4.5% MAX. ANY DISCREPANCIES NOT ALLOWING THIS TO OCCUR SHALL BE REPORTED TO THE OWNERS REPRESENTATIVE PRIOR TO CONTINUING WORK.
- 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.
- 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.

- GRADES ABOVE THE SEWER EASEMENT SHALL NOT CHANGE UNLESS OTHERWISE INDICATED ON THE CONSTRUCTION DOCUMENTS.
- THE CONTRACTOR IS CAUTIONED THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AND STRUCTURES, AS SHOWN ON THESE PLANS, IS BASED ON THE EXISTING SURVEY. THIS INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR, PRIOR TO THE START OF CONSTRUCTION, SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES IN THE FIELD. THE CONTRACTOR MUST CONTACT THE APPROPRIATE UTILITY COMPANY, AND ANY GOVERNING PERMITTING AUTHORITY, AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION WORK TO REQUEST THE EXACT FIELD LOCATION OF UTILITIES AND THE LANDSCAPE ARCHITECT SHALL BE NOTIFIED, IN WRITING, OF ANY UTILITIES INTERFERING WITH THE PROPOSED CONSTRUCTION AND APPROPRIATE REMEDIAL ACTIONS TAKEN BEFORE PROCEEDING WITH THE WORK. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLAN.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL CONTROL POINTS AND BENCH MARKS NECESSARY FOR THE WORK.
- ALL WORK SHALL BE OUTSIDE MINIMUM 4FT OFFSET FROM CLIMBING STRUCTURE GUY WIRES AND POLES.
- CONTRACTOR SHALL DECOMPACT AND RESTORE ALL DISTURBED AREAS WITH LOAM AND SEED.



Project:

**WELLINGTON PARK & MILL BROOK CORRIDOR
 REVITALIZATION PROJECT: PHASE 3**
 WELLINGTON PARK - ARLINGTON, MA
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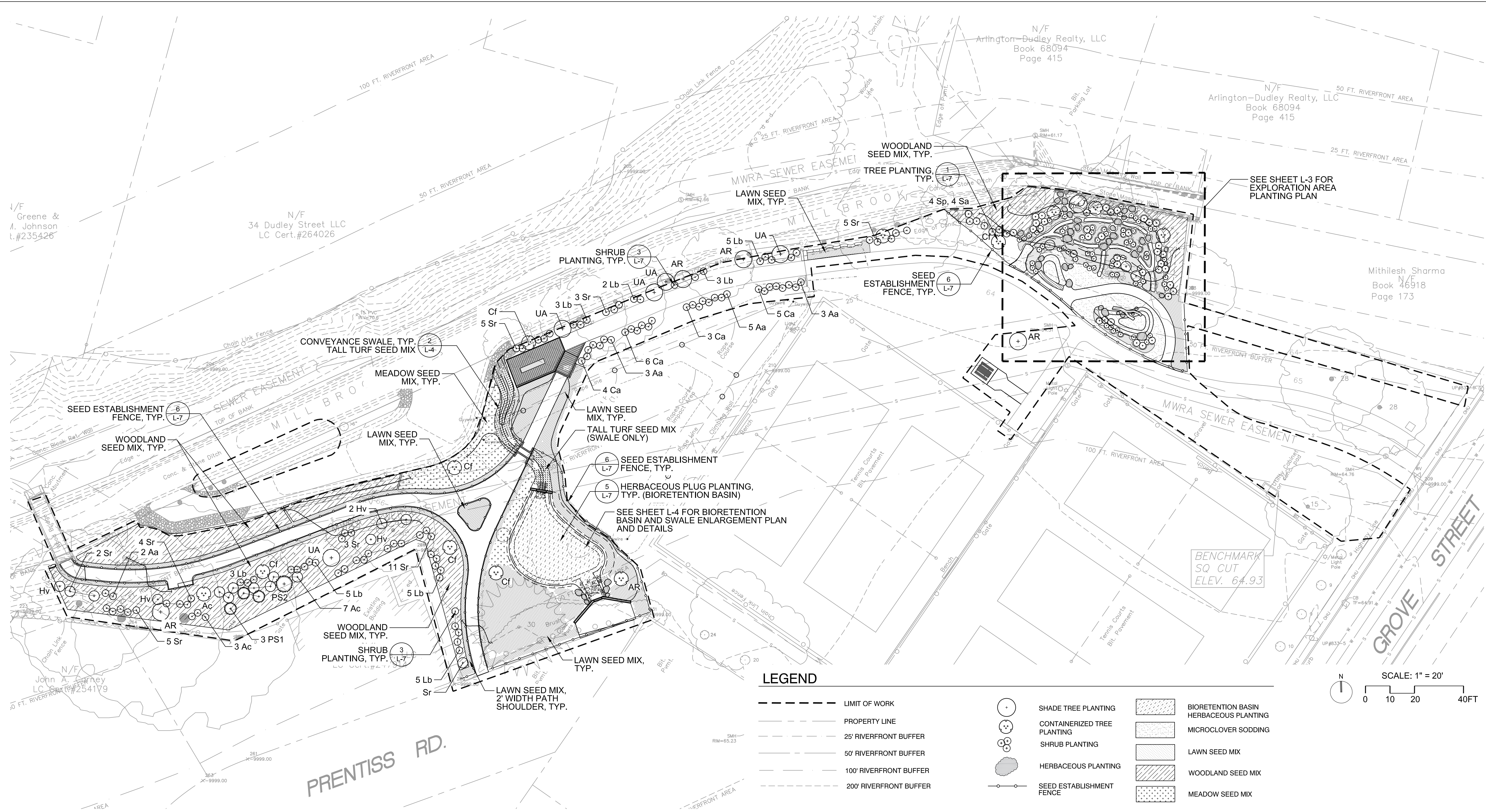
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SITE PLAN

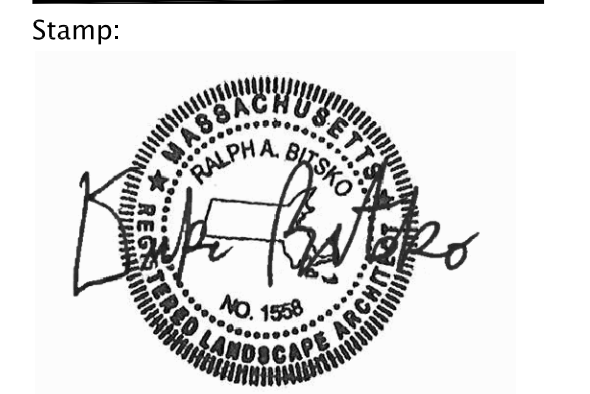
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PLANTING NOTES

- CONTRACTOR SHALL PROTECT EXISTING POROUS BITUMINOUS ASPHALT PATH AT ALL TIMES DURING CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING POROUS BITUMINOUS SURFACING OF ANY AREAS THAT BECOME CLOGGED WITH SEDIMENT OR DEBRIS AT NO COST TO THE OWNER. CARE SHOULD BE TAKEN ADJACENT TO BOTH EXISTING AND NEWLY CONSTRUCTED POROUS ASPHALT PAVING TO ENSURE SURFACE IS PROTECTED FROM SOIL AND SEDIMENT WASHOUT.
- SUBSTITUTIONS OF PLANT SPECIES SHALL NOT BE PERMITTED. IN CASES WHERE INDIVIDUAL SPECIES ARE NOT COMMERCIALY AVAILABLE, QUANTITIES WILL BE MADE UP WITH ANOTHER SPECIES IN THE PLANT SCHEDULE AFTER WRITTEN APPROVAL BY THE LANDSCAPE ARCHITECT.
- ALL SPECIES SHALL BE STRAIGHT SPECIES; NO CULTIVARS.
- ALL PLANT MATERIAL SHALL CONFORM TO THE MINIMUM GUIDELINES ESTABLISHED FOR NURSERY STOCK PUBLISHED BY THE AMERICAN HORTICULTURE INDUSTRY ASSOCIATION. IN ADDITION, ALL NEW PLANT MATERIAL FOR THE PROJECT SHALL BE OF SPECIMEN QUALITY.
- CONTRACTOR SHALL MAKE ARRANGEMENTS WITH NURSERY(IES) AND OWNER WITHIN THIRTY (30) DAYS OF AWARD OF CONTRACT.
- CONTRACTOR SHALL SUPPLY ALL PLANT MATERIAL IN QUANTITIES SUFFICIENT TO COMPLETE THE PLANTING PLAN AS SHOWN ON DRAWINGS.
- NO PLANT MATERIAL SHALL BE PLANTED BEFORE ACCEPTANCE OF FINAL GRADING AND SLOPE TREATMENTS BY THE LANDSCAPE ARCHITECT.
- WATERING OF INSTALLED PLANTS AND SEEDING AREAS, SHALL OCCUR WITHIN 24 HOURS OF THE FIRST DAY OF PLANTING OR SEEDING AND CONTINUE AS OUTLINED IN THE CONTRACT DOCUMENTS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ALL DAMAGED, STOLEN, DEAD, DECLINING OR LOST PLANT MATERIAL UNTIL THE COMPLETION OF THE MAINTENANCE AND GUARANTEE PERIODS.
- ALL PLANT MATERIAL SHALL BE NURSERY GROWN. NO FIELD-COLLECTED SPECIMENS WILL BE ALLOWED.
- ALL NEW PLANTS SHALL BE B&B TREES, CONTAINERIZED TREES AND SHRUBS, OR HERBACEOUS PERENNIALS, UNLESS OTHERWISE NOTED ON THE PLANT SCHEDULE.
- ALL NEW PLANTS SHALL BE TAGGED AND APPROVED BY THE LANDSCAPE ARCHITECT AT THE NURSERY PRIOR TO DELIVERY TO SITE. TAGGING REPRESENTATIVE SAMPLES OF SHRUBS AND HERBACEOUS MATERIAL MAY BE ACCEPTABLE WITH PRIOR APPROVAL.
- ALL AREAS TO BE SEEDING OR DISTURBED SHALL RECEIVE SOIL PREPARATION AS SPECIFIED PRIOR TO SEEDING.
- CONTRACTOR SHALL LOCATE AND MARK ALL EXISTING AND PROPOSED UTILITIES TO VERIFY PROPOSED PLANT LOCATIONS AND SHALL REPORT ANY CONFLICTS TO THE LANDSCAPE ARCHITECT.
- CONTRACTOR SHALL STAKE ALL PROPOSED TREE LOCATIONS FOR REVIEW AND POTENTIAL ADJUSTMENT BY LANDSCAPE ARCHITECT.
- INSTALLATION OF HERBACEOUS MATERIAL IN MIXED PLANTING BEDS SHALL OCCUR ONLY AFTER SHRUBS AND/OR TREES HAVE BEEN INSTALLED.
- PLANT ESTABLISHMENT FENCE ENCOMPASSING THE BIORETENTION BASIN SHALL EXTEND TO FINISH GRADE AND NOT INCLUDE 4" WILD LIFE GAP AT BOTTOM.



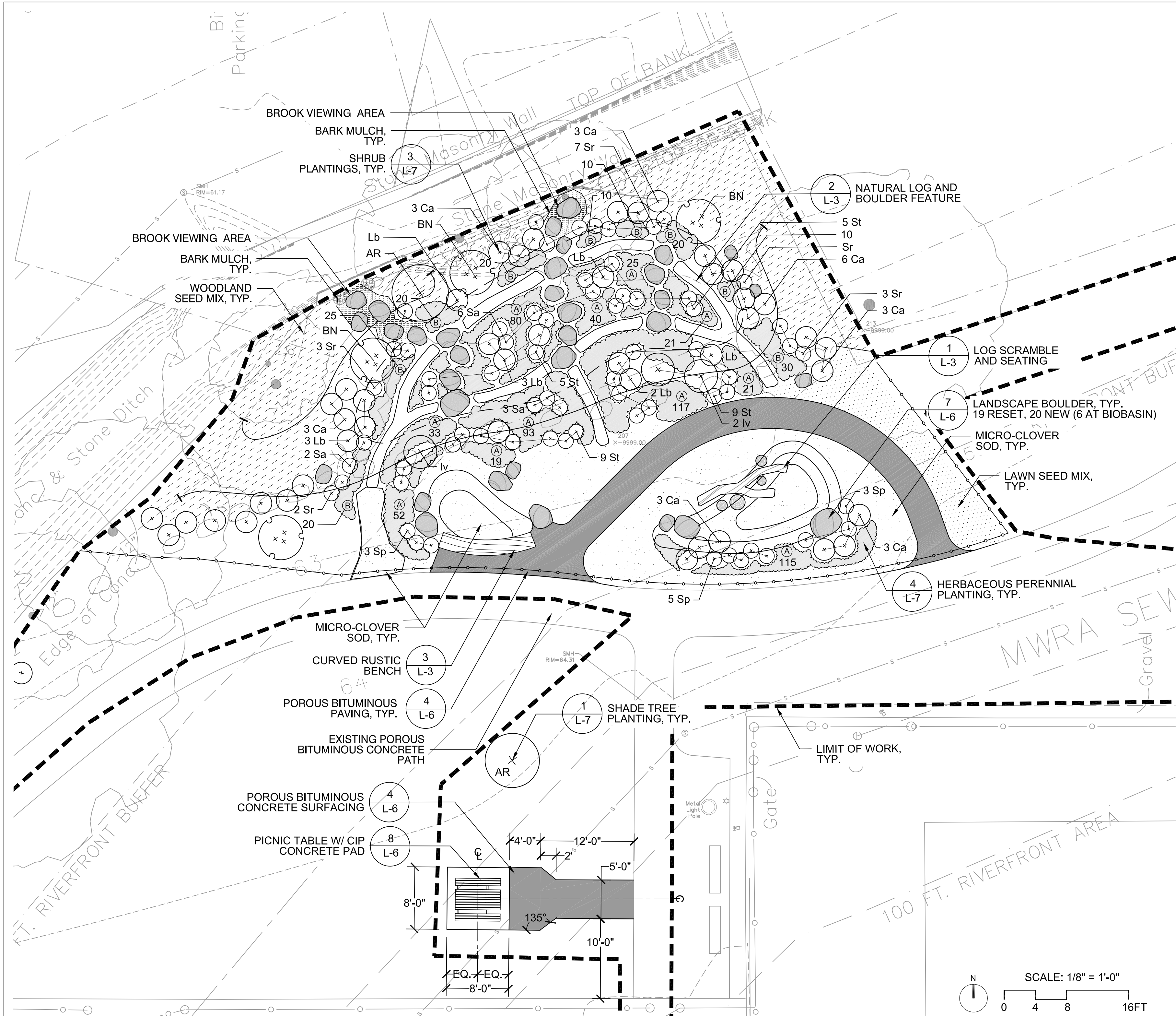
Revisions	Number:	Description:	Date:

Sheet Title:

PLANTING PLAN

Sheet No:

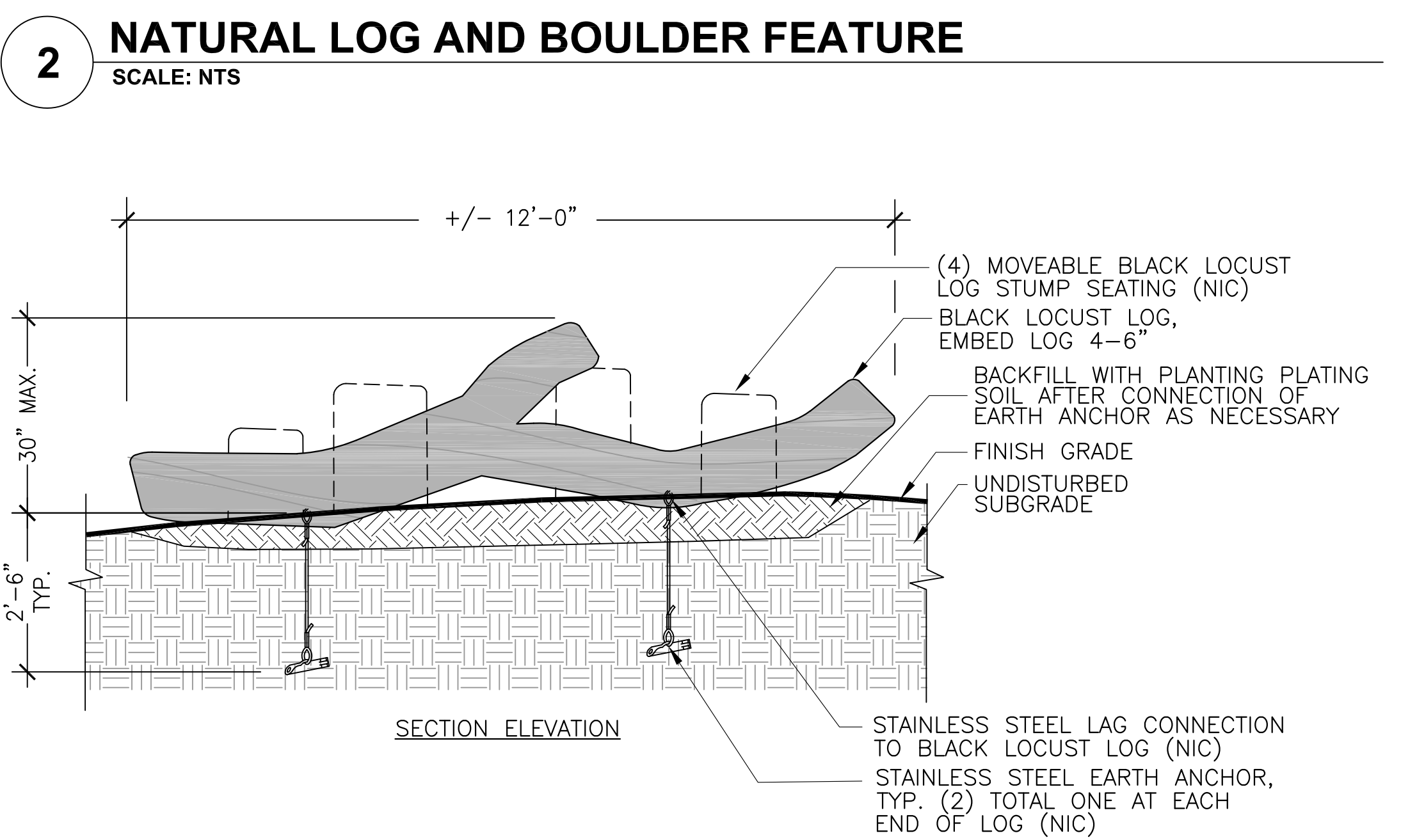
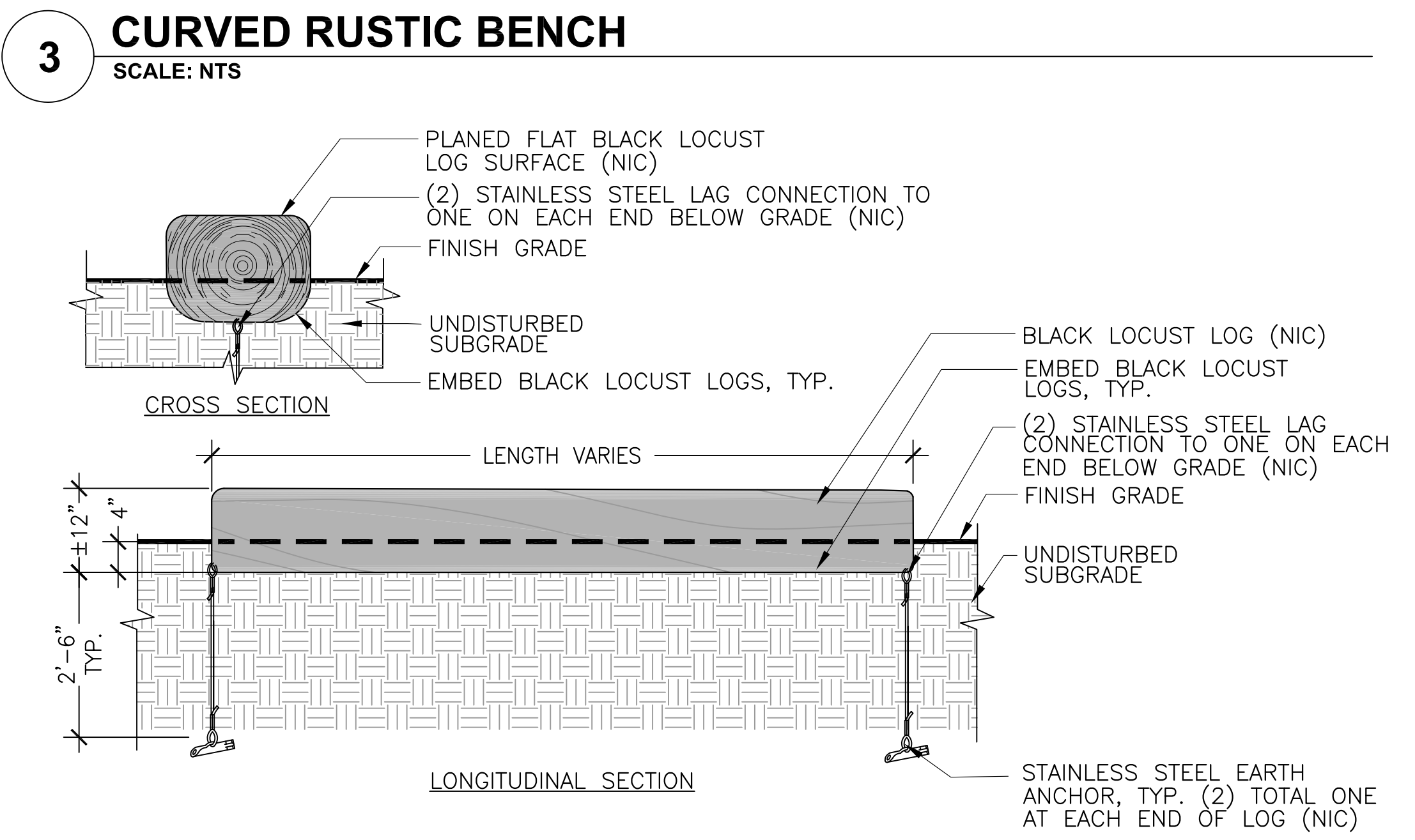
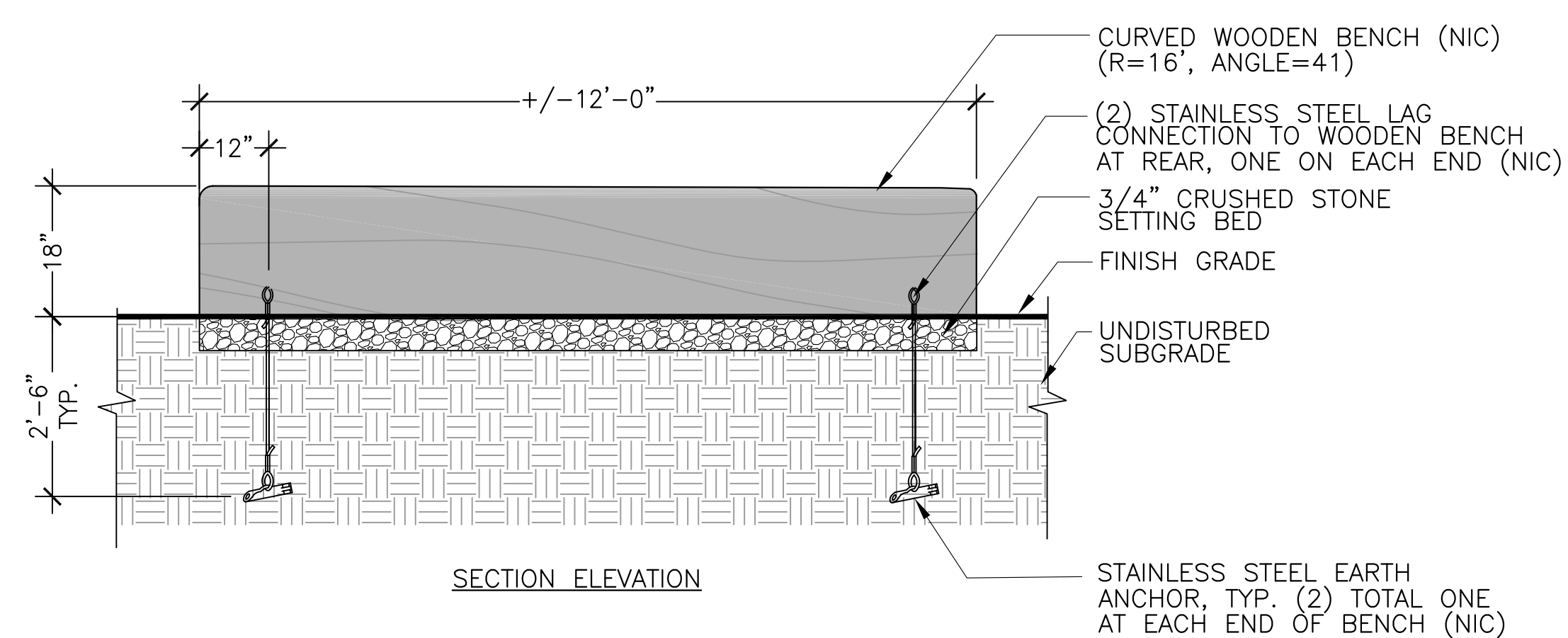
L-2

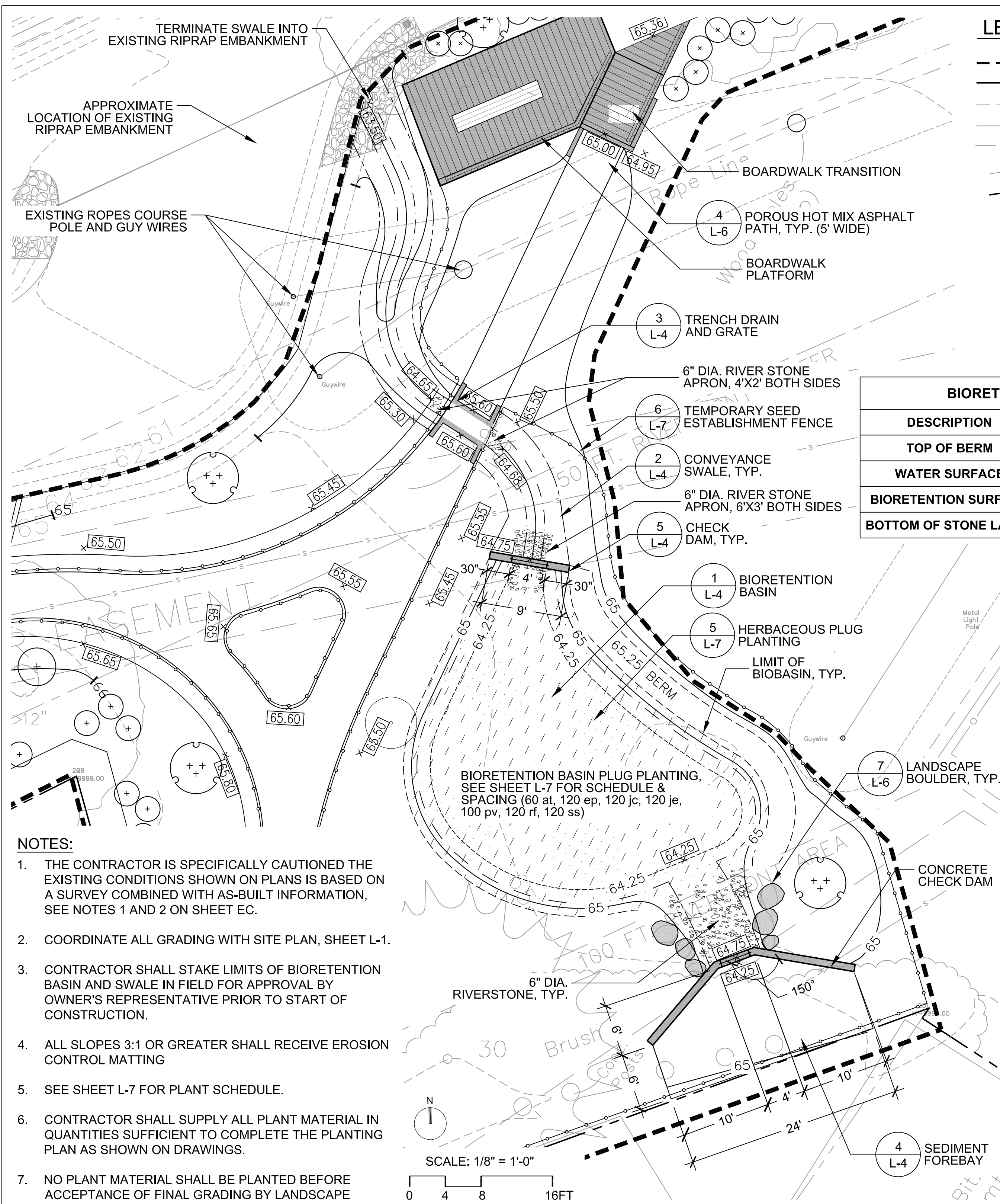


LEGEND

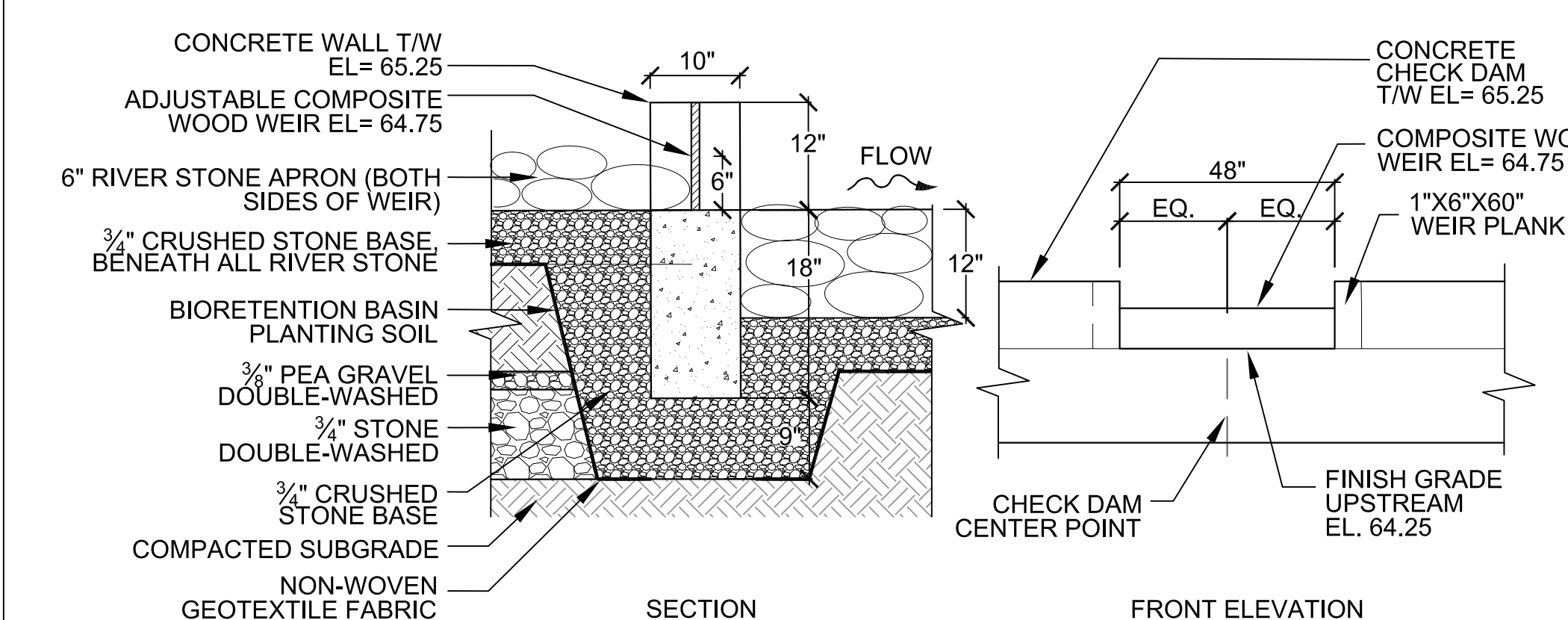
- LIMIT OF WORK
- PROPERTY LINE
- - - 25' RIVERFRONT BUFFER
- - - 50' RIVERFRONT BUFFER
- - - 100' RIVERFRONT BUFFER
- - - 200' RIVERFRONT BUFFER
- 12 --- EXISTING CONTOURS
- +64.50 --- PROPOSED SPOT ELEVATION
- 64 --- PROPOSED CONTOUR
- 1.5% --- PROPOSED SLOPE
- --- SHADE TREE PLANTING
- ⊙ --- CONTAINERIZED TREE PLANTING
- ⊗ --- SHRUB PLANTING
- ⊕ --- HERBACEOUS PLANTING
- ▭ --- MICROCLOVER SODDING
- ▨ --- WOODLAND SEED MIX
- ▩ --- LAWN SEED MIX
- --- SEED ESTABLISHMENT FENCE

- NOTES:**
- CONTRACTOR SHALL STAKE LOCATION OF EXPLORATION AREA IN THE FIELD FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO COMMENCING EXCAVATION.
 - WOODEN BLACK LOCUST LOGS AND STUMPS NOT IN CONTRACT, TO BE PROVIDED BY ARTIST AND DELIVERED TO THE PROJECT SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR THE INDIVIDUAL PLACEMENT OF EACH WOODEN ELEMENT AS DIRECTED BY THE ARTIST. CONTRACTOR SHALL COORDINATE SCHEDULE AND DELIVERY DIRECTLY WITH ARTIST.
 - EARTH ANCHORS, FASTENERS AND HARDWARE NOT IN CONTRACT, TO BE PROVIDED BY AND INSTALLED BY THE ARTIST. ARTIST SHALL BE RESPONSIBLE FOR SETTING, LOCKING, TESTING AND SECURING EARTH ANCHORS TO BLACK LOCUST LOGS.
 - CONTRACTOR SHALL PROCURE AND PLACE LANDSCAPE BOULDERS AS INDICATED ON THE CONSTRUCTION DOCUMENTS. EXISTING BOULDERS SHALL BE RE-SET AS DIRECTED BY LANDSCAPE ARCHITECT.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING SUBGRADE, BASE MATERIALS AND BACKFILLING LOAM AROUND SCULPTURAL WOODEN ELEMENTS AS INDICATED ON CONSTRUCTION DRAWINGS.
 - FINAL LOCATIONS OF ALL SITE FURNISHINGS SHALL BE APPROVED IN THE FIELD BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
 - SEE SHEET L-1 FOR LAYOUT, MATERIAL, GRADING AND DRAINAGE NOTES.
 - SEE SHEET L-2 FOR PLANTING NOTES.
 - SEE SHEET L-7 FOR PLANT SCHEDULE.





- NOTES:**
- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THE EXISTING CONDITIONS SHOWN ON PLANS IS BASED ON A SURVEY COMBINED WITH AS-BUILT INFORMATION, SEE NOTES 1 AND 2 ON SHEET EC.
 - COORDINATE ALL GRADING WITH SITE PLAN, SHEET L-1.
 - CONTRACTOR SHALL STAKE LIMITS OF BIORETENTION BASIN AND SWALE IN FIELD FOR APPROVAL BY OWNER'S REPRESENTATIVE PRIOR TO START OF CONSTRUCTION.
 - ALL SLOPES 3:1 OR GREATER SHALL RECEIVE EROSION CONTROL MATTING
 - SEE SHEET L-7 FOR PLANT SCHEDULE.
 - CONTRACTOR SHALL SUPPLY ALL PLANT MATERIAL IN QUANTITIES SUFFICIENT TO COMPLETE THE PLANTING PLAN AS SHOWN ON DRAWINGS.
 - NO PLANT MATERIAL SHALL BE PLANTED BEFORE ACCEPTANCE OF FINAL GRADING BY LANDSCAPE ARCHITECT.



5 CHECK DAM
SCALE: NTS

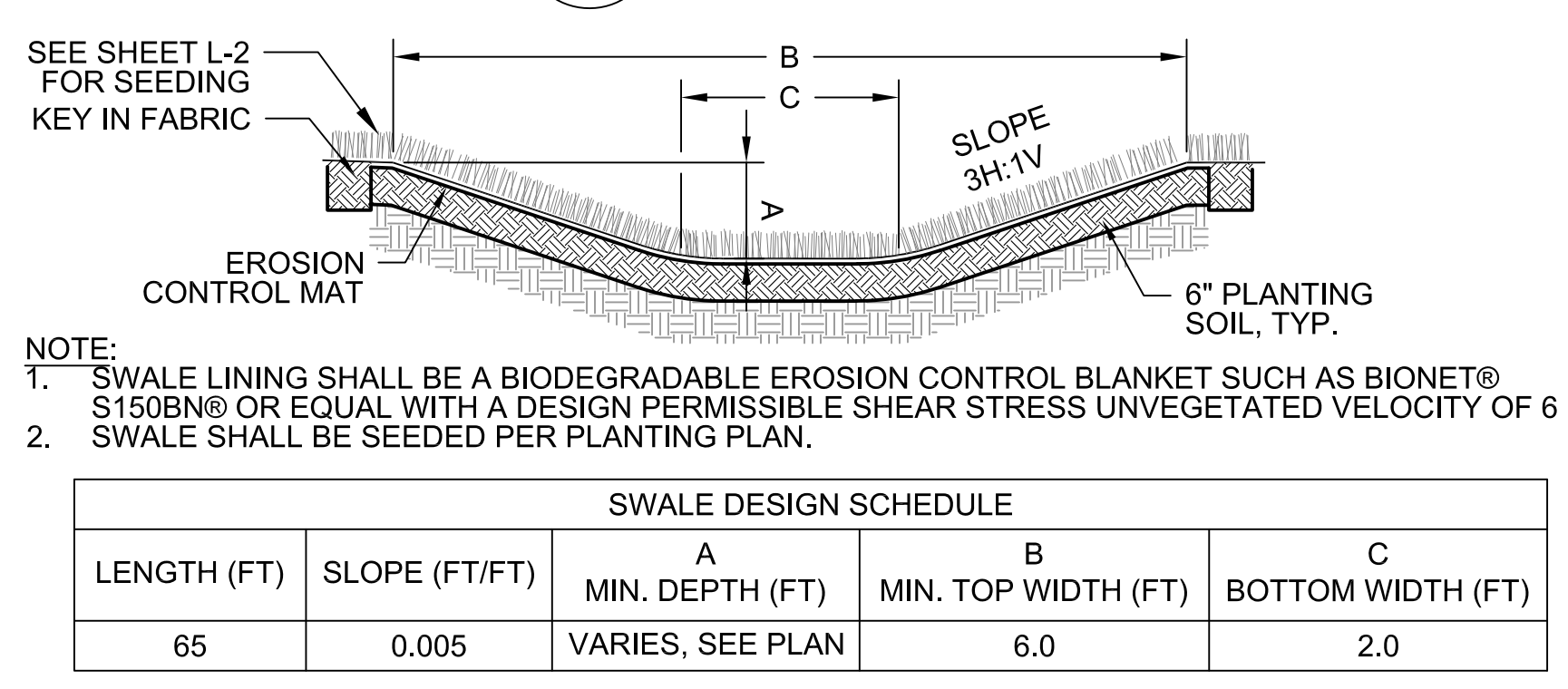
BIORETENTION DATA

DESCRIPTION	ELEV.	AREA (SF)
TOP OF BERM	65.25	1100
WATER SURFACE	64.75	910
BIORETENTION SURFACE	64.25	700
BOTTOM OF STONE LAYER	61.75	700

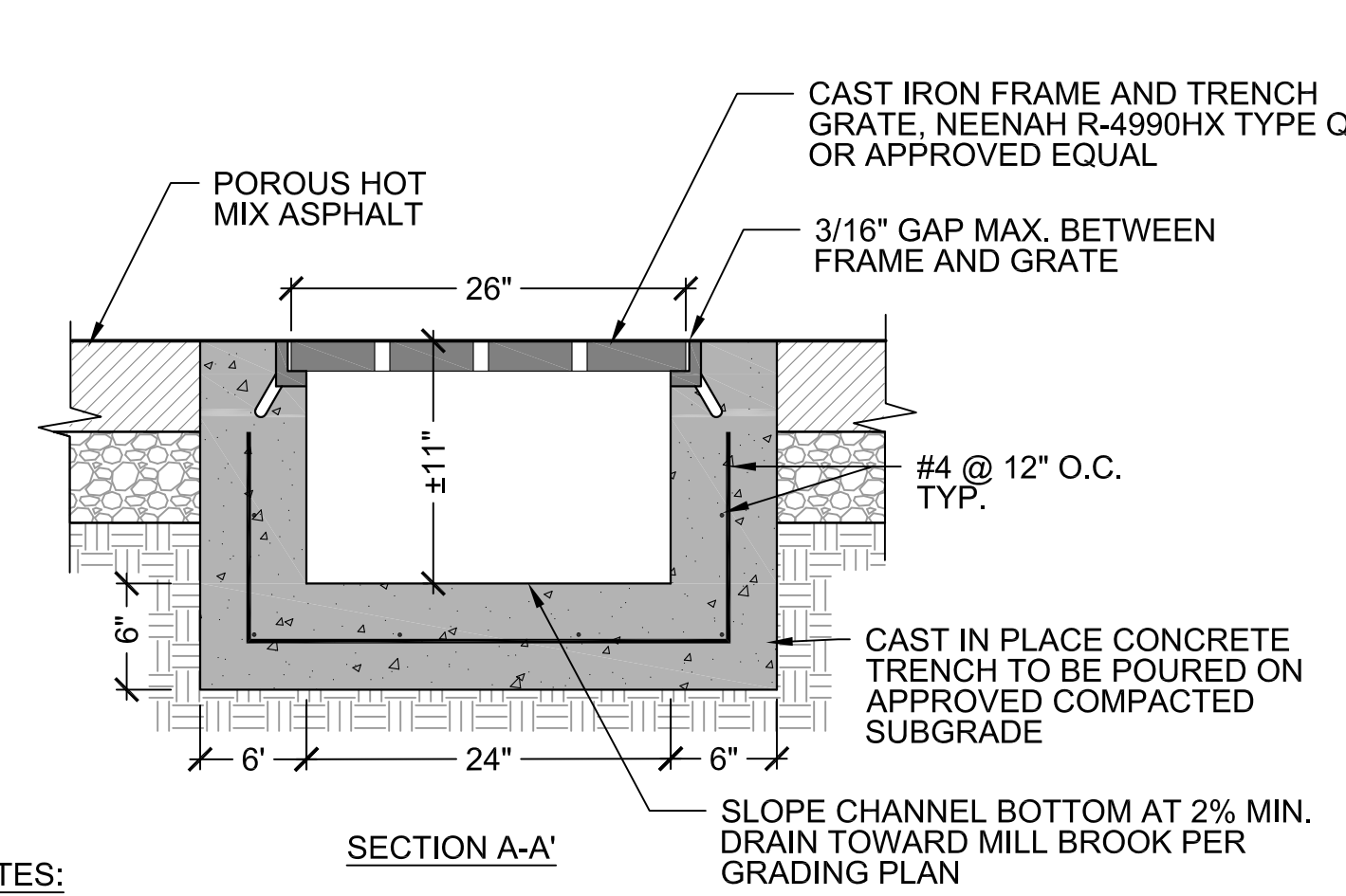
2 CONVEYANCE SWALE
SCALE: NTS

- LEGEND**
- LIMIT OF WORK
 - - - PROPERTY LINE
 - - - 25' RIVERFRONT BUFFER
 - - - 50' RIVERFRONT BUFFER
 - - - 100' RIVERFRONT BUFFER
 - - - EXISTING CONTOURS
 - - - PROPOSED CONTOUR
 - - - EXISTING SPOT ELEVATION
 - - - EXISTING INTERPOLATED SPOT GRADE. CONTRACTOR TO VERIFY IN FIELD
 - - - PROPOSED SPOT GRADE
 - - - PROPOSED SLOPE

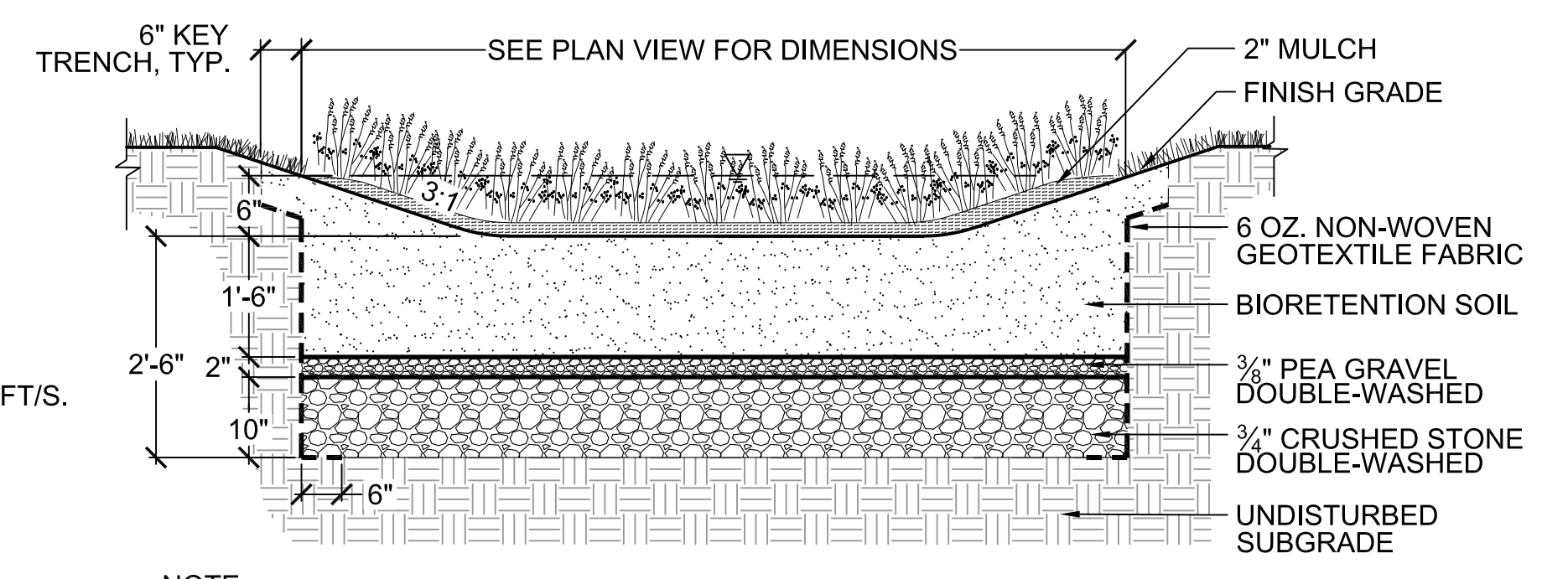
3 TRENCH DRAIN AND GRATE
SCALE: NTS



4 SEDIMENT FOREBAY
SCALE: NTS

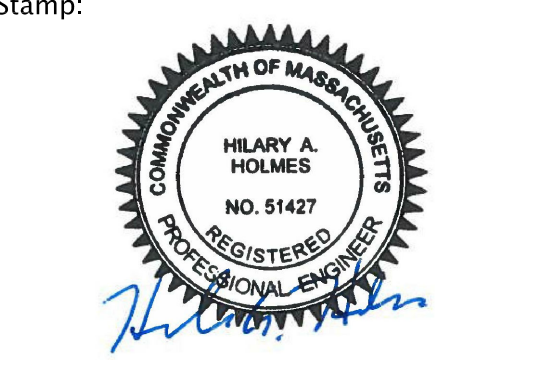
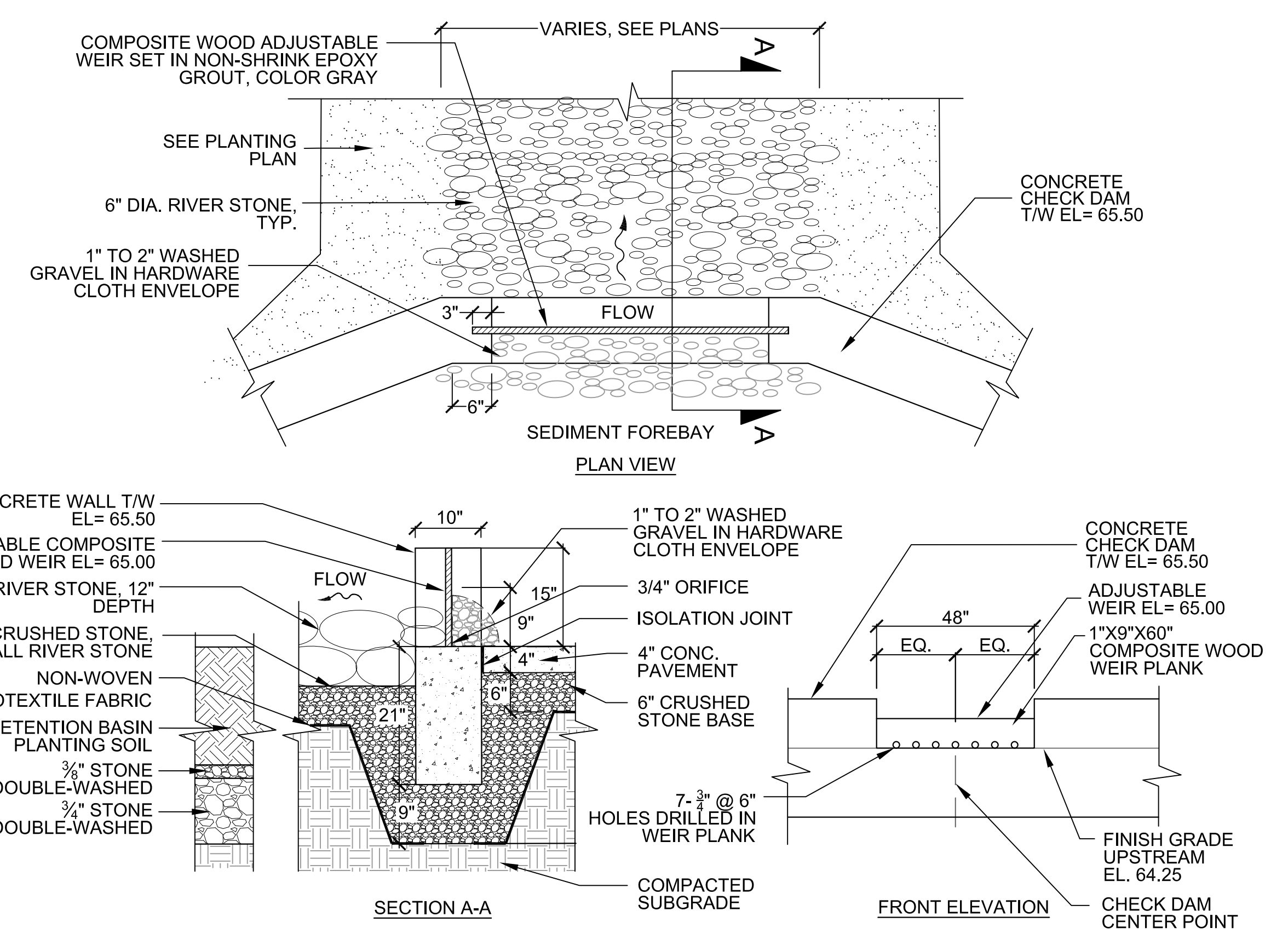


- NOTES:**
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR WALL, TRENCH, GRATE FRAME AND GRATE FOR APPROVAL PRIOR TO PROCURING MATERIALS.
 - CONTRACTOR SHALL CONFIRM EXISTING GRADES IN THE FIELD AND REPORT ANY DISCREPANCIES TO OWNER'S REPRESENTATIVE PRIOR TO PROCURING MATERIALS.
 - GRATE AND FRAME SHALL BE CAST IRON FINISH.
 - NO GRATE OR GAP OPENING SHALL BE LARGER THAN 3/8".
 - GRATE SHALL BE RATED FOR H-20 LOADING WITH NON-SLIP SURFACE.
 - SEE MANUFACTURERS LITERATURE FOR RECOMMENDED FRAME FORMING PROCEDURES.



1 BIORETENTION BASIN
SCALE: NTS

- NOTE:**
- LIMITS OF BASIN SHALL BE STAKES IN FIELD BY CONTRACTOR FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO COMMENCING CONSTRUCTION.



Project:

**WELLINGTON PARK & MILL BROOK CORRIDOR
REVITALIZATION PROJECT: PHASE 3**

WELLINGTON PARK - ARLINGTON, MA

100% CONSTRUCTION DOCUMENTS

Project Number: 00205072-00
Hatch Project Number: H-362472
Date: January, 2021
Drawn By: AK, AG
Designed By: EA, AK
Reviewed By: HH, DB
Scale: As shown

Revisions

Number:	Description:	Date:

Sheet Title:

BIORETENTION BASIN ENLARGEMENT PLAN AND DETAILS

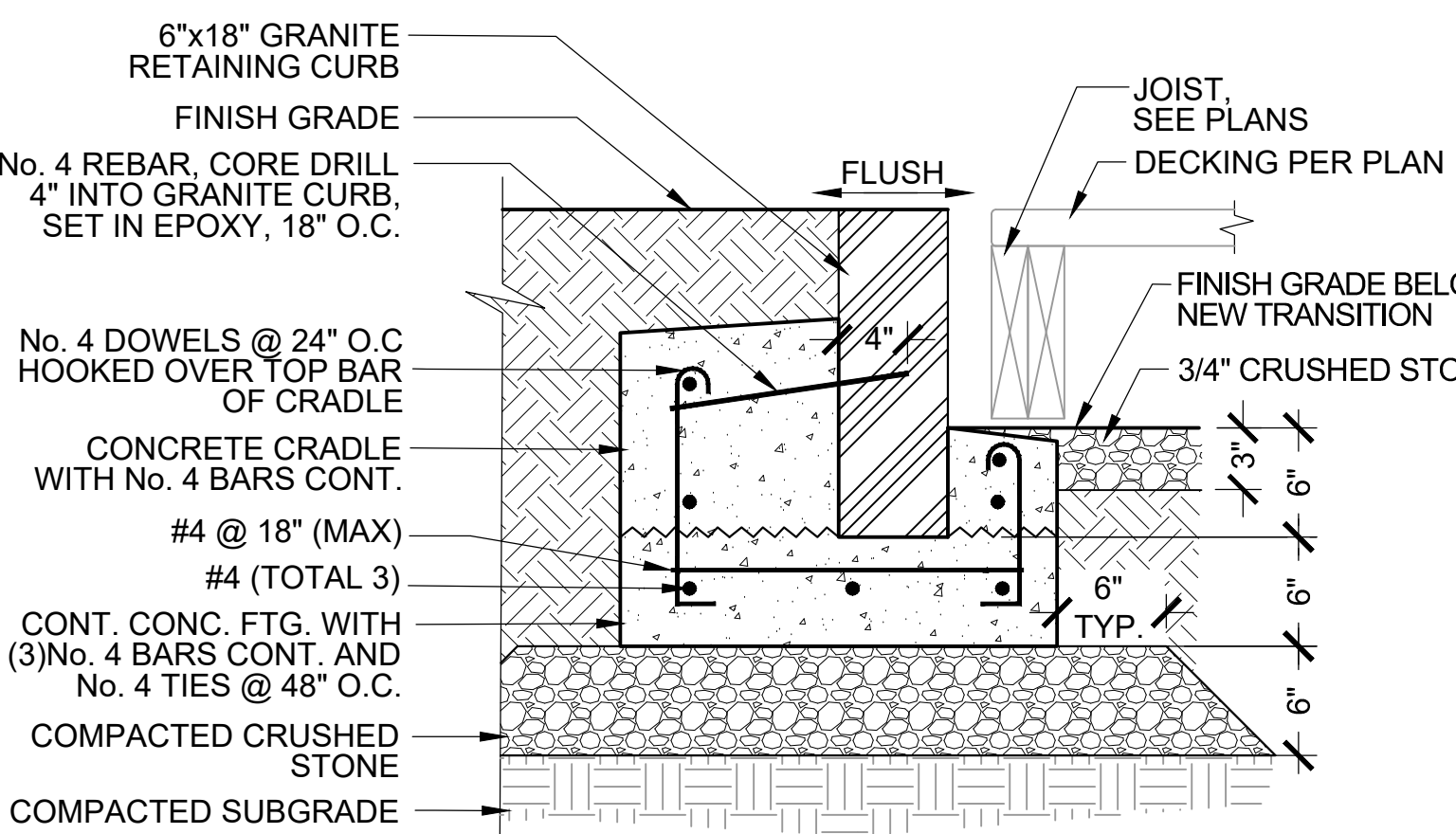
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L-4

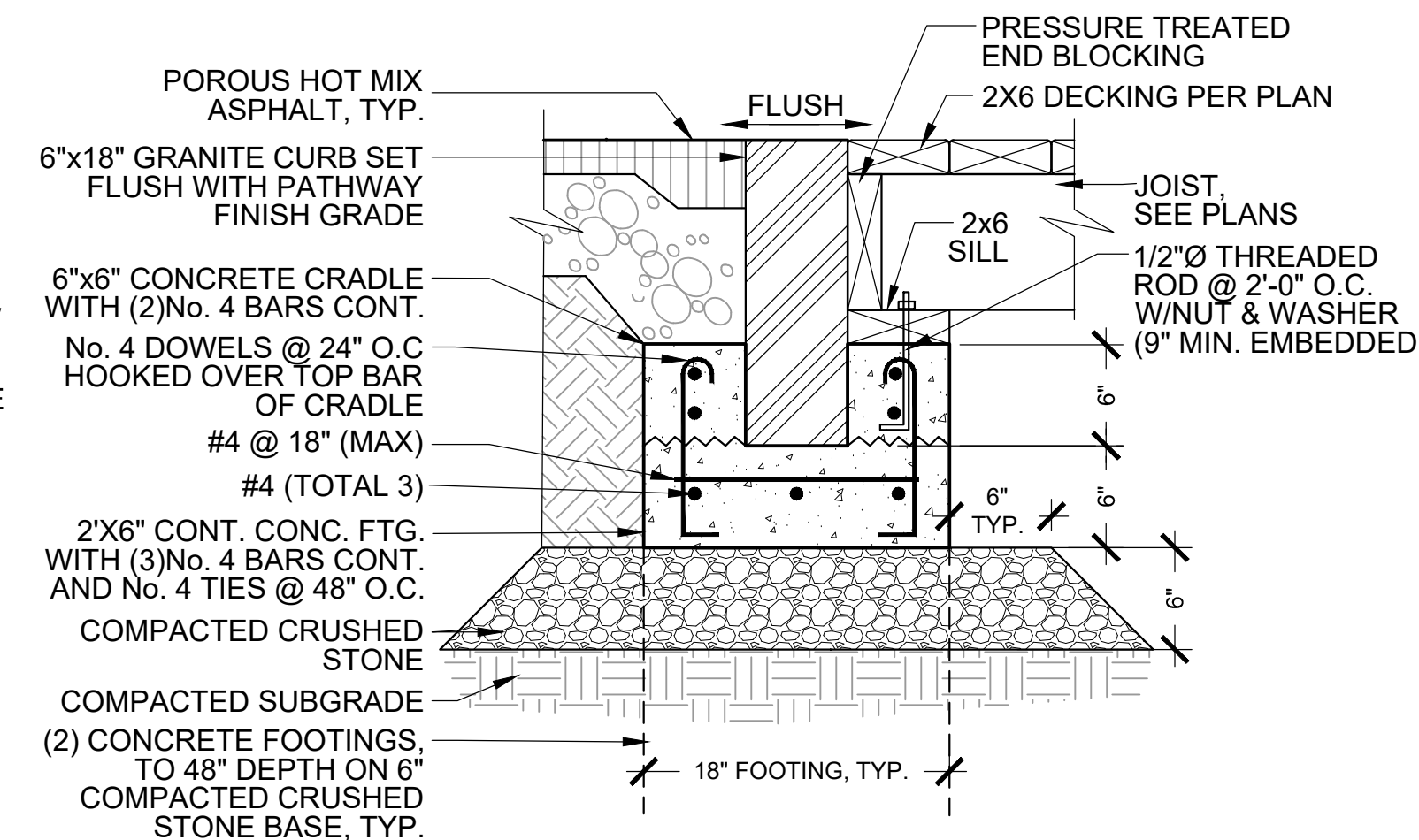
GENERAL NOTES:

- CAST-IN-PLACE CONCRETE WORK SHALL CONFORM TO THE LATEST AMERICAN CONCRETE INSTITUTE (ACI) CODES AND STANDARDS, INCLUDING BUT NOT LIMITED TO, ACI 301, 315, AND 318. COLD WEATHER CONCRETING AS DEFINED BY ACI, SHALL BE IN ACCORDANCE WITH ACI 306R.
- CONCRETE MIX SHALL BE SUBMITTED TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO PLACEMENT. PER ACI-318, AT A MINIMUM CONCRETE SHALL MEET THE FOLLOWING CRITERIA:
 - MAXIMUM WATER TO CEMENT RATIO: 0.45
 - MINIMUM COMPRESSIVE STRENGTH: 4,500 PSI
 - AIR CONTENT PERCENT: 5.0 %

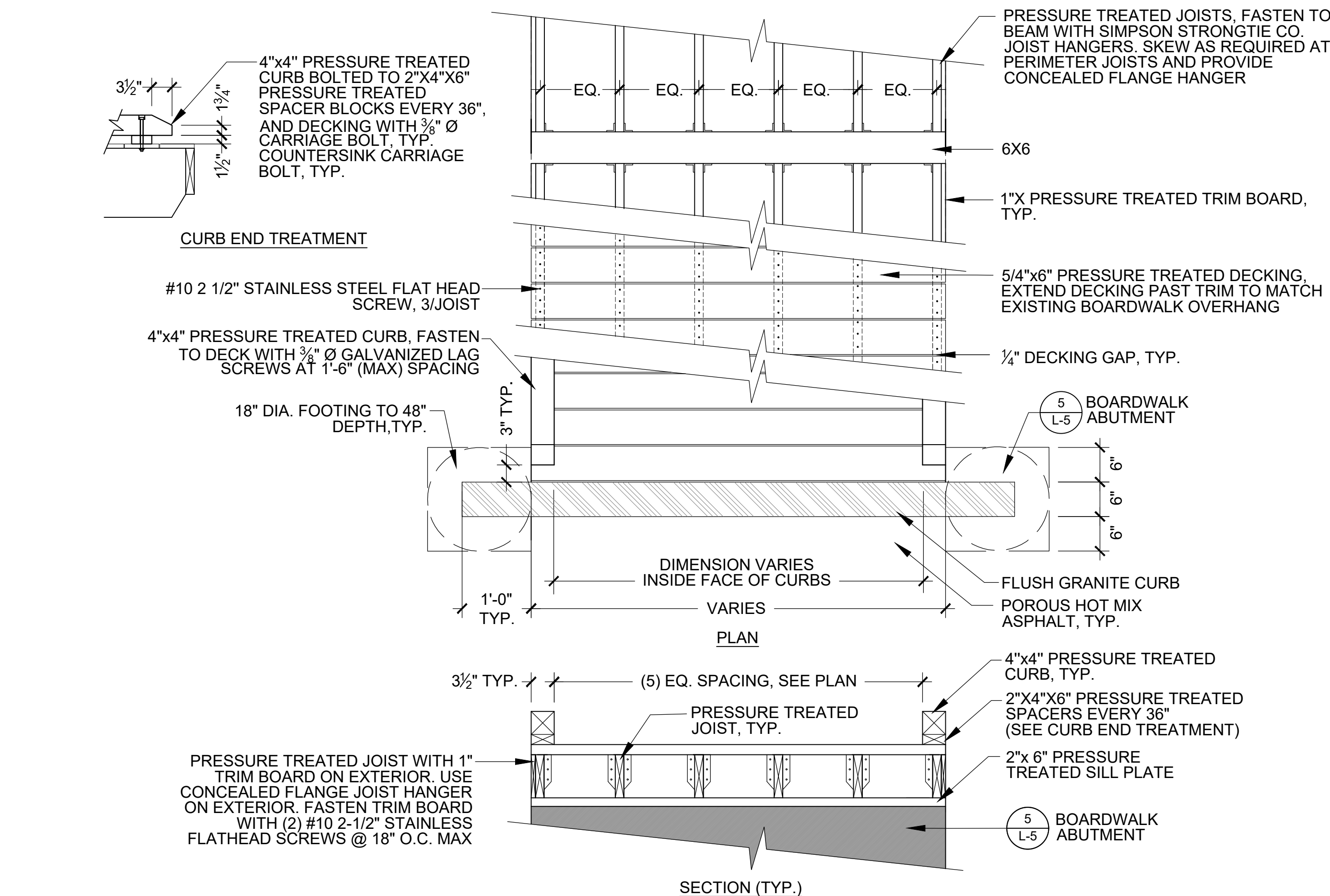
*ASSUMING NOMINAL MAXIMUM AGGREGATE SIZE OF 3/4". ADJUST AIR CONTENT PER ACI TABLE 4.4.1 IS VARIES
- ALL REINFORCING STEEL SHALL BE CONTINUOUS NEW DOMESTIC DEFORMED BILLET STEEL CONFORMING TO ASTM A615 GRADE 60. EMBEDDED ANCHOR BOLTS SHALL CONFORM TO ASTM F1554 GR. 36.
- GRANITE CURB SHALL CONFORM TO THE REQUIREMENTS OF MASSDOT STANDARD SPECIFICATION FOR HIGHWAYS AND BRIDGES M9.04.1 TYPE VA5. EACH CURB PIECE FOR EACH ABUTMENT SHALL BE OF SUFFICIENT LENGTH TO COVER THE ENTIRE WIDTH OF THE ELEVATED WALKWAY. ONLY 1 PIECE OF GRANITE SHALL BE USED FOR EACH ELEVATED WALKWAY ABUTMENT. CONTRACTOR SHALL VERIFY EXISTING GRADES IN FIELD AND PROVIDE SHOP DRAWINGS SHOWING CURB LAYOUT AND DIMENSIONS FOR APPROVAL BY OWNER'S REPRESENTATIVE PRIOR TO MATERIAL PROCUREMENT. CONTRACTOR SHALL MARK LOCATIONS OF GRANITE CURBING IN FIELD FOR APPROVAL BY OWNER'S REPRESENTATIVE PRIOR TO PLACEMENT AND INSTALLATION.
- ALL TIMBER HARDWARE AND FASTENERS SHALL BE STAINLESS STEEL WHERE EXPOSED. JOIST HANGERS AND HARDWARE SHALL BE GALVANIZED. PROVIDE CONCEALED FLANGE JOIST HANGERS WHERE REQUIRED.
- PRESSURE TREATED 2X8 BLOCKING SHALL BE INSTALLED AS REQUIRED FOR INSTALLATION OF RAILING POSTS AND TYPICALLY IN A STAGGERED PATTERN AT THE MID-SPAN OF THE JOIST SPAN.
- AXIAL AND HORIZONTAL LOADING SHALL ACT CONCURRENTLY FOR EACH LOAD CASE WHERE APPLICABLE.
- DECKING AND CURBS TO BE #1 PRESSURE TREATED AS SPECIFIED.
- JOISTS AND BEAMS TO BE GROUND CONTACT PRESSURE TREATED.
- ALL WOOD DIMENSIONS ARE NOMINAL.
- CONNECTORS TO BE GALVANIZED SIMPSON-TIE OR APPROVED EQUAL.



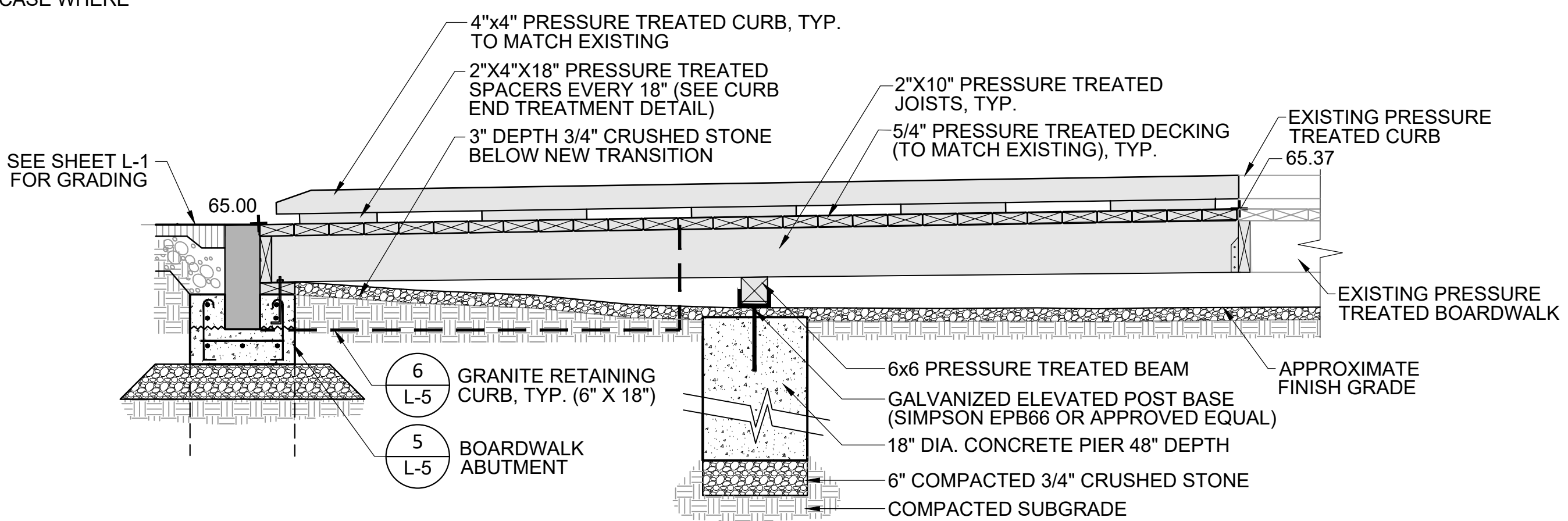
6 GRANITE RETAINING CURB
SCALE: NTS



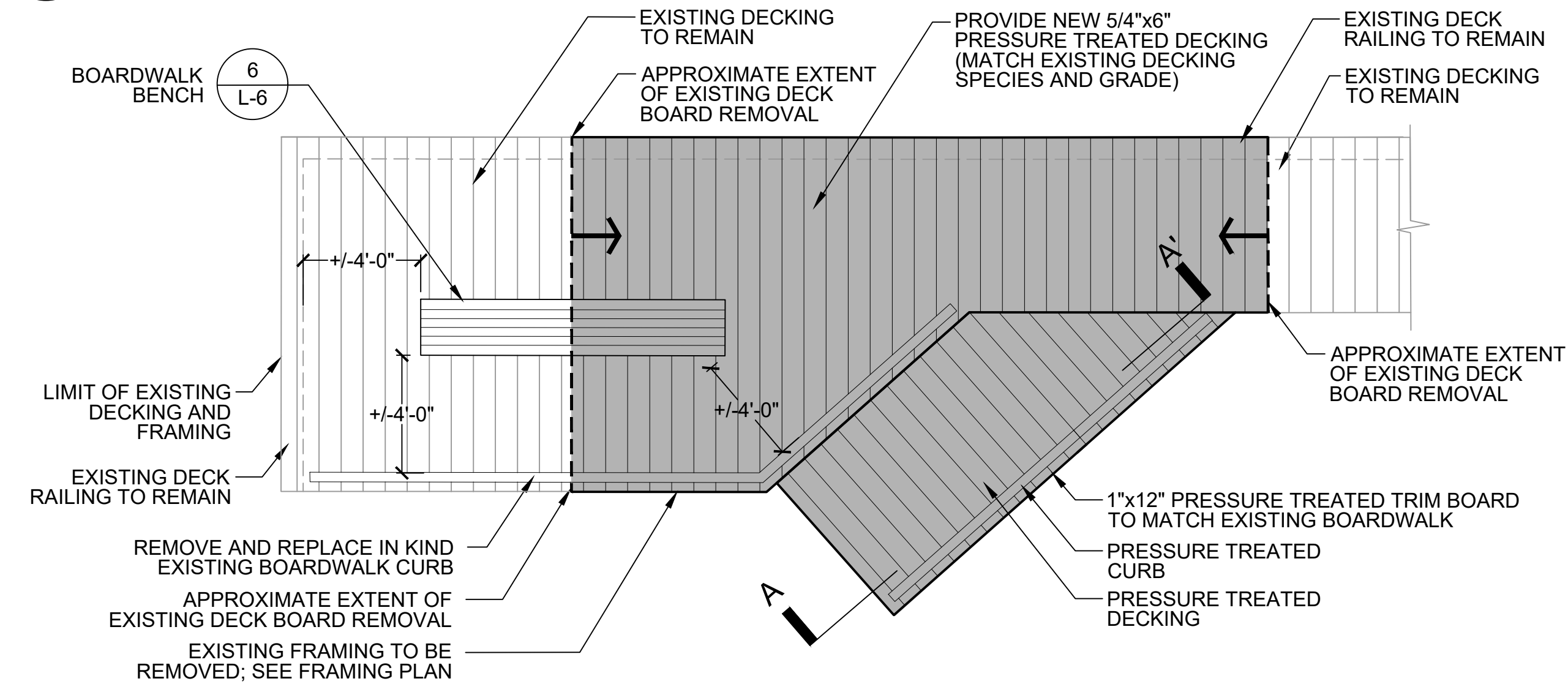
5 BOARDWALK ABUTMENT
SCALE: NTS



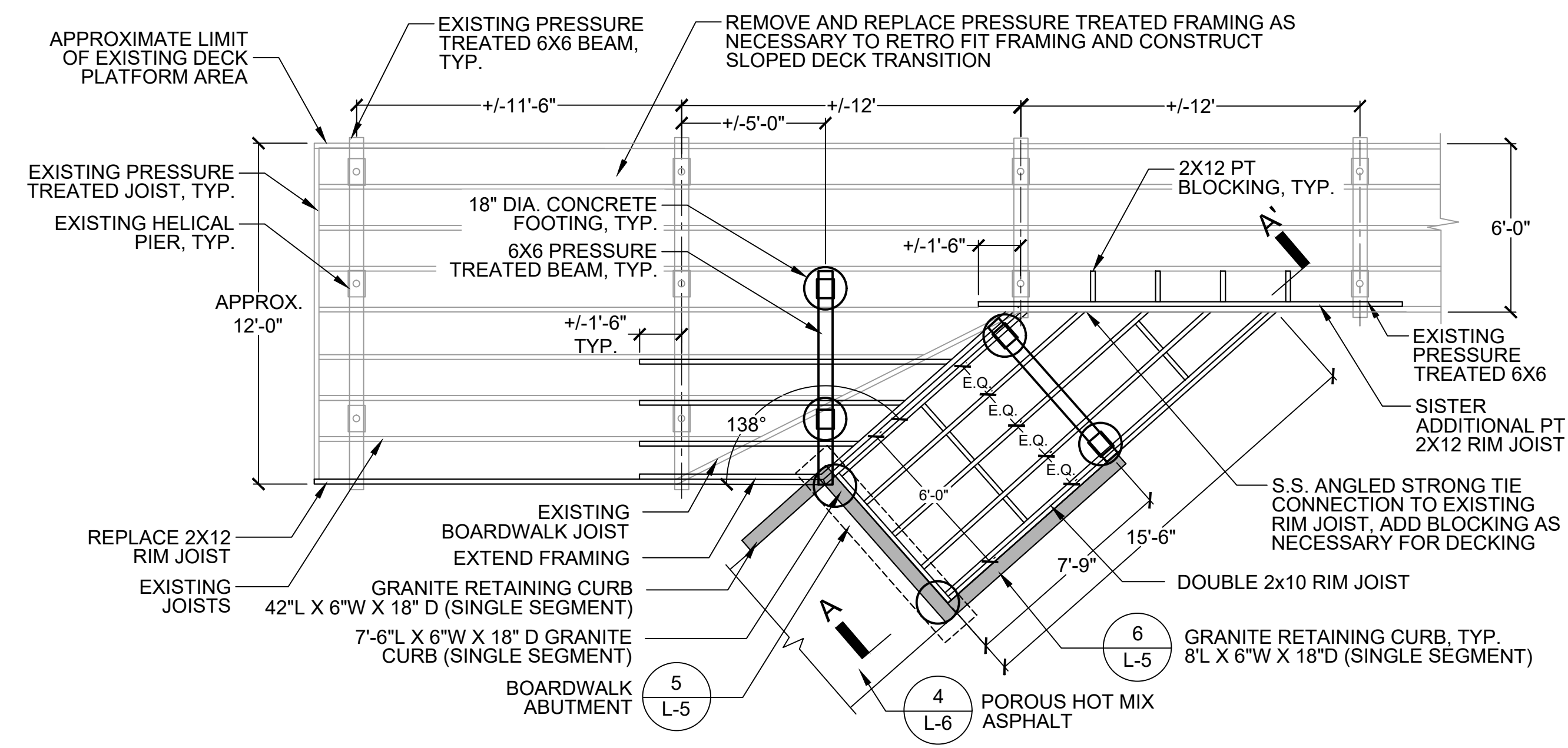
4 BOARDWALK STRUCTURE
SCALE: NTS



3 BOARDWALK TRANSITION - SECTION A-A'
SCALE: NTS



2 BOARDWALK DECKING PLAN
SCALE: NTS



1 BOARDWALK FRAMING PLAN
SCALE: NTS

Client/Owner:

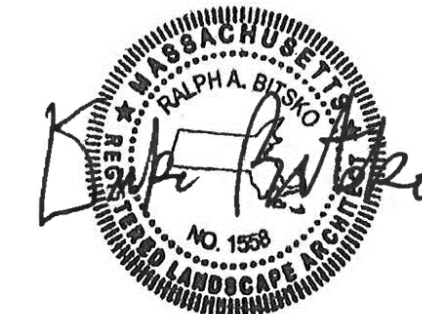


Town of Arlington
422 Summer Street, Arlington, MA 02474

HATCH

27 Congress Street, Salem, MA 01970
tel. 978-740-0096 www.hatch.com

Stamp:



Project:

**WELLINGTON PARK & MILL BROOK CORRIDOR
REVITALIZATION PROJECT: PHASE 3**

WELLINGTON PARK - ARLINGTON, MA

100% CONSTRUCTION DOCUMENTS

Project Number: 00205072-00
Hatch Project Number: H-362472
Date: January, 2021
Drawn By: AK, AG
Designed By: AK
Reviewed By: CL
Scale: As shown

Revisions
Number: Description: Date:

Sheet Title:

**BOARDWALK
ENLARGEMENT PLAN
AND DETAILS**

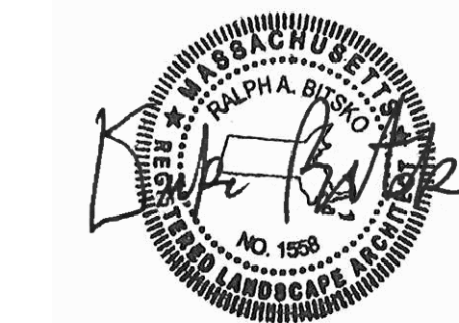
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HATCH

Stamp:



Project:

**WELLINGTON PARK & MILL BROOK CORRIDOR
REVITALIZATION PROJECT: PHASE 3**
WELLINGTON PARK - ARLINGTON, MA
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Project Number: 00205072-00

Hatch Project Number: H-362472

Date: January, 2021

Drawn By: AK, AG

Designed By: AK

Reviewed By: DB

Scale: As shown

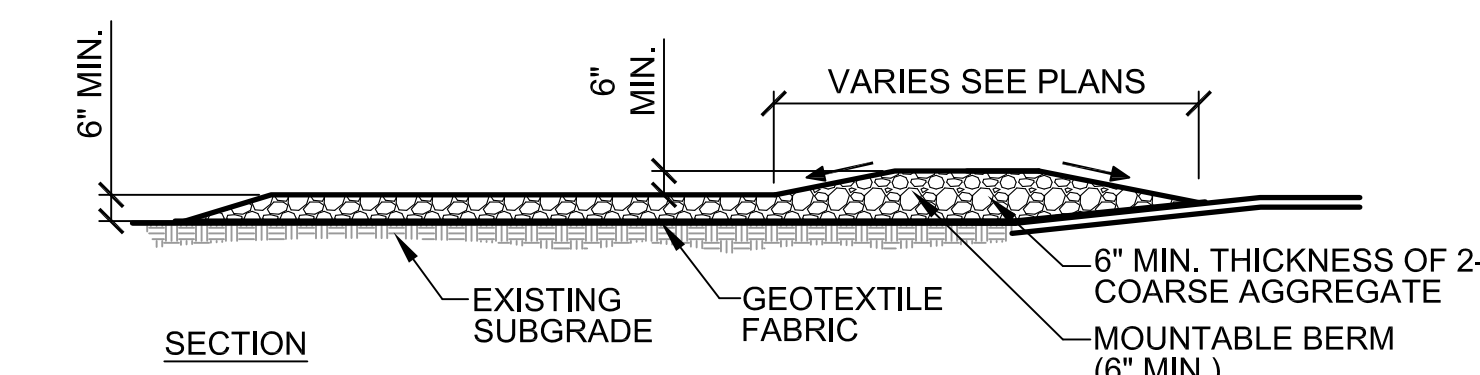
Revisions
Number: Description: Date:

Sheet Title:

SITE DETAILS

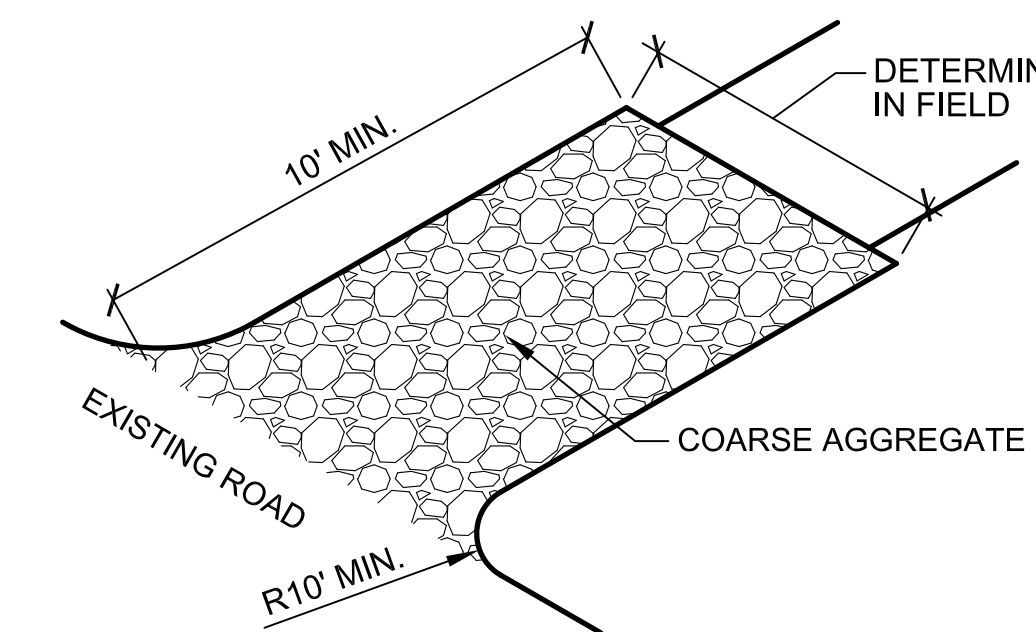
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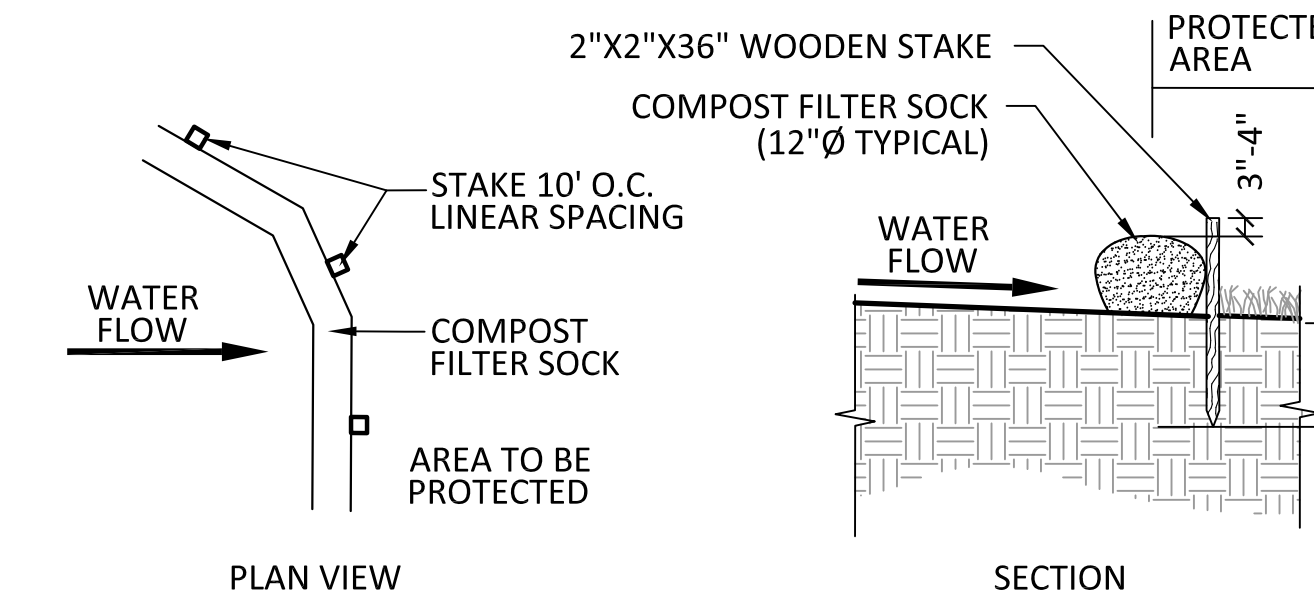
NOTES:

1. INSTALL GRAVEL CONSTRUCTION PAD AT INGRESS/EGRESS. MINIMUM WIDTH TO BE EQUAL TO WIDTH OF VEHICULAR ACCESS. ACTUAL WIDTH AND LENGTH TO BE DETERMINED IN FIELD BY OWNER REPRESENTATIVE PRIOR TO CONSTRUCTION.
2. PLACE GEOTEXTILE ON EXISTING GROUND PRIOR TO PLACING THE 6" STONE PAD.
3. PROVIDE PERIODIC TOP DRESSING OF COARSE AGGREGATE AS NEEDED.
4. REMOVE TRAPPED SEDIMENT AFTER EACH STORM. CLEAN OR REPLACE FILTER MATERIAL AS NEEDED.
5. REMOVE ALL MATERIALS OFF SITE OR AS PER SPECS UPON COMPLETION OF CONSTRUCTION.



3 TEMPORARY CONSTRUCTION ENTRANCE

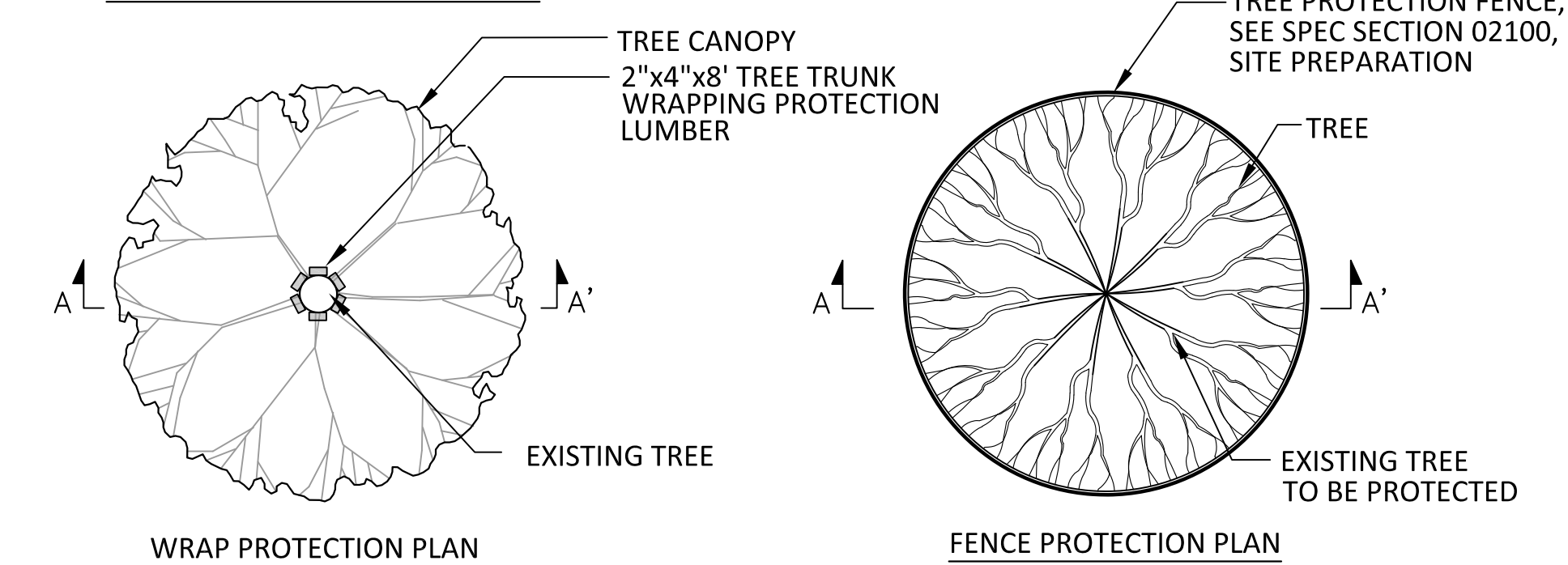
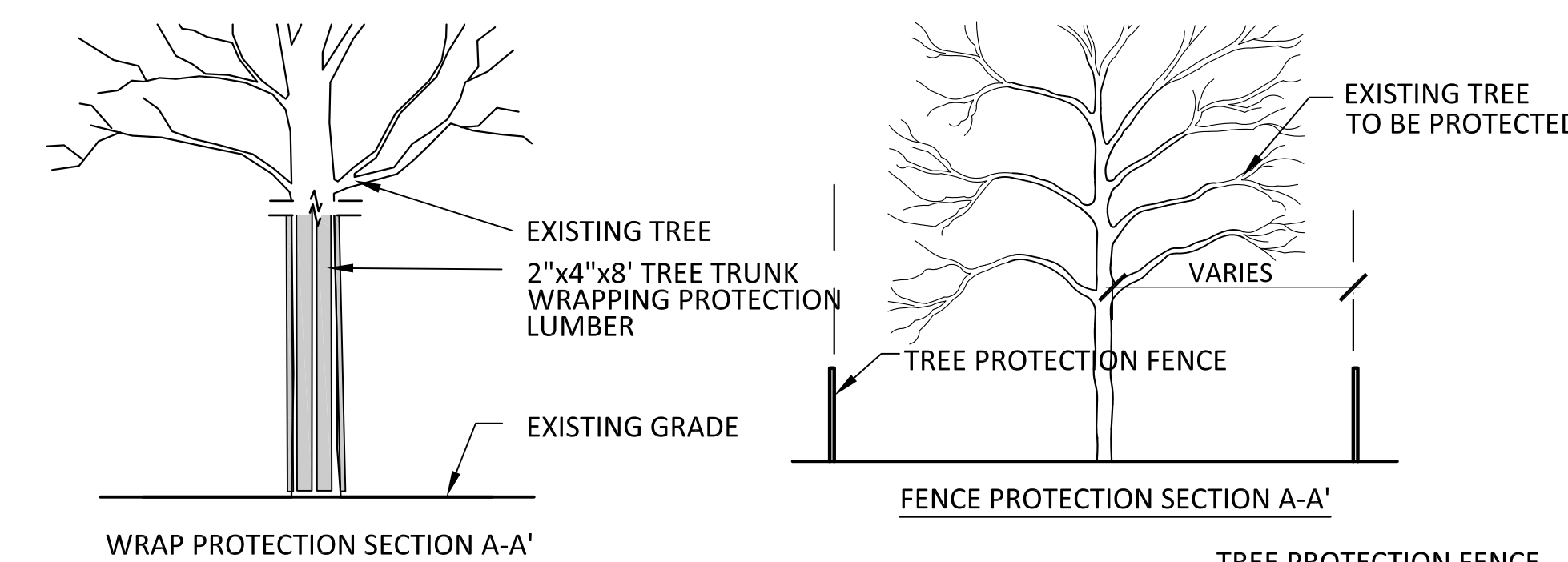
SCALE: NTS



NOTE:
CONTRACTOR TO SLICE MESH FABRIC TUBING OF COMPOST FILTER SOCK, REMOVE ALL FABRIC OFF SITE AND RAKE OUT MULCH AT COMPLETION OF PROJECT.

2 COMPOST FILTER SOCK

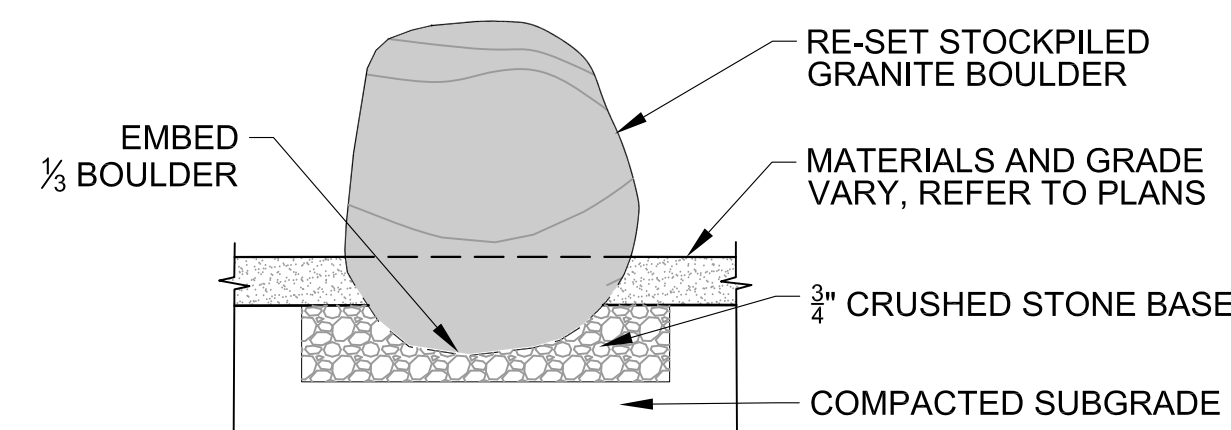
SCALE: NTS



NOTE:
1. ALL TREE PROTECTION SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION ACTIVITIES AND MAINTAINED IN GOOD CONDITION THROUGHOUT THE CONSTRUCTION PERIOD.

1 TREE PROTECTION

SCALE: NTS

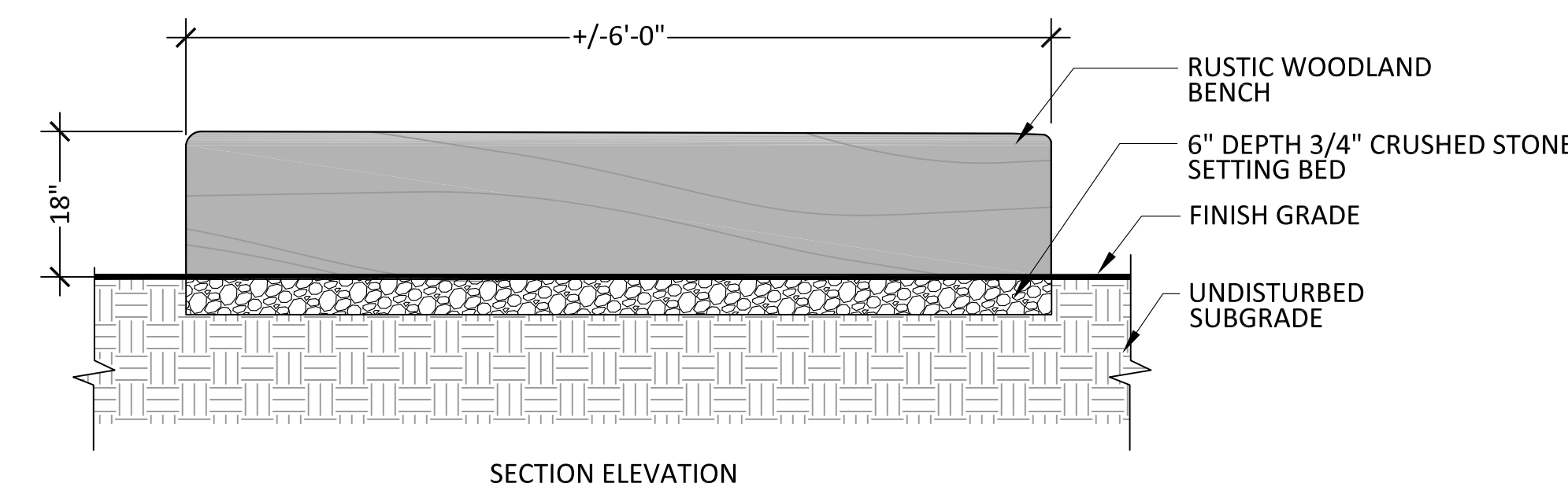


NOTES:

1. BOTH NEW AND EXISTING BOULDERS TO BE PLACED AT DIRECTION OF LANDSCAPE ARCHITECT.
2. EMBEDDED BOULDER DEPTH SHALL BE DETERMINED BY LANDSCAPE ARCHITECT IN FIELD.

7 LANDSCAPE BOULDER

SCALE: NTS

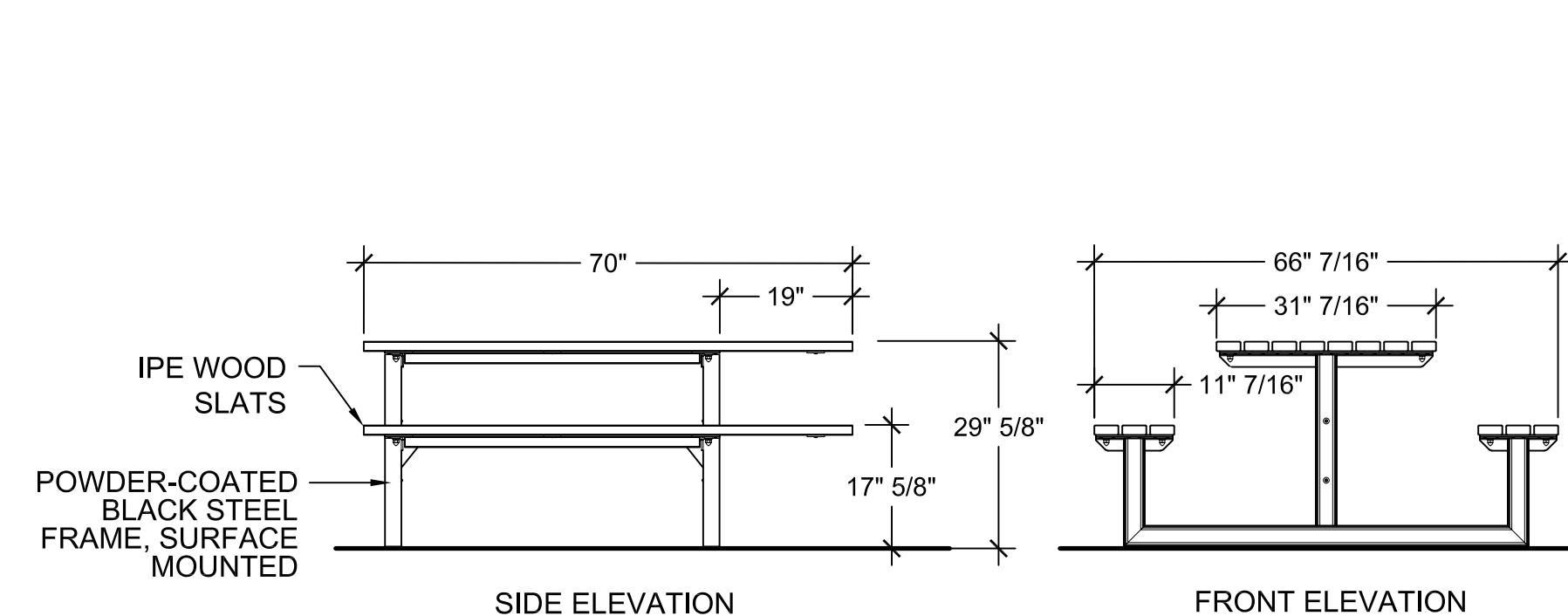


NOTES:

1. RUSTIC WOODLAND BENCH NOT IN CONTRACT. TO BE PROVIDED BY ARTIST AND DELIVERED TO THE PROJECT SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT OF THE WOODLAND RUSTIC BENCH AND FOR SUBGRADE, BASE MATERIAL AND BACK FILLING AS INDICATED ON CONSTRUCTION DOCUMENTS.
2. BENCH LOCATION TO BE FLAGGED IN THE FIELD AND APPROVED BY LANDSCAPE ARCHITECT PRIOR TO COMMENCING INSTALLATION.

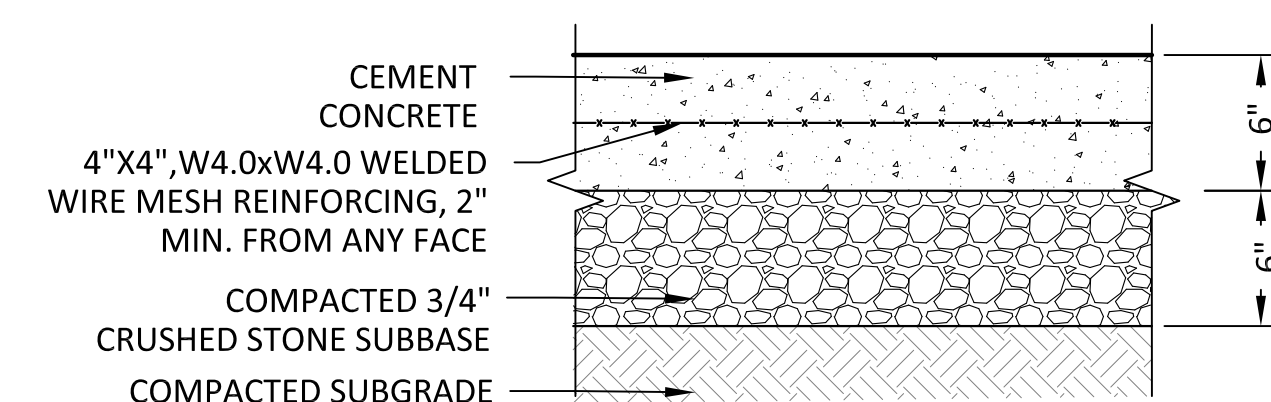
6 RUSTIC WOODLAND BENCH

SCALE: NTS



NOTE:

1. PICNIC TABLE LOCATION BE APPROVED IN FIELD BY OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
2. ATTACH PICNIC TABLE USING TAMPER RESISTANT STAINLESS STEEL HARDWARE AND FASTENERS AND IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.



NOTES:

1. EXPANSION JOINT SHALL BE USED WHENEVER HORIZONTAL CONCRETE AND/OR OTHER PAVING SURFACES MEET VERTICAL CONCRETE AND/OR MASONRY SURFACES.
2. PROVIDE EXPANSION JOINT AT MIN. 20 FT. O.C. U.N.O WITH PRE-FORMED JOINT FILLER.
3. CONCRETE SHALL BE CLASS A 4,000 PSI.
4. CONCRETE BROOM FINISH WITH TOOLED CONTROL JOINT 3/8 inch x 1/4 inch DEPTH OF CONCRETE.

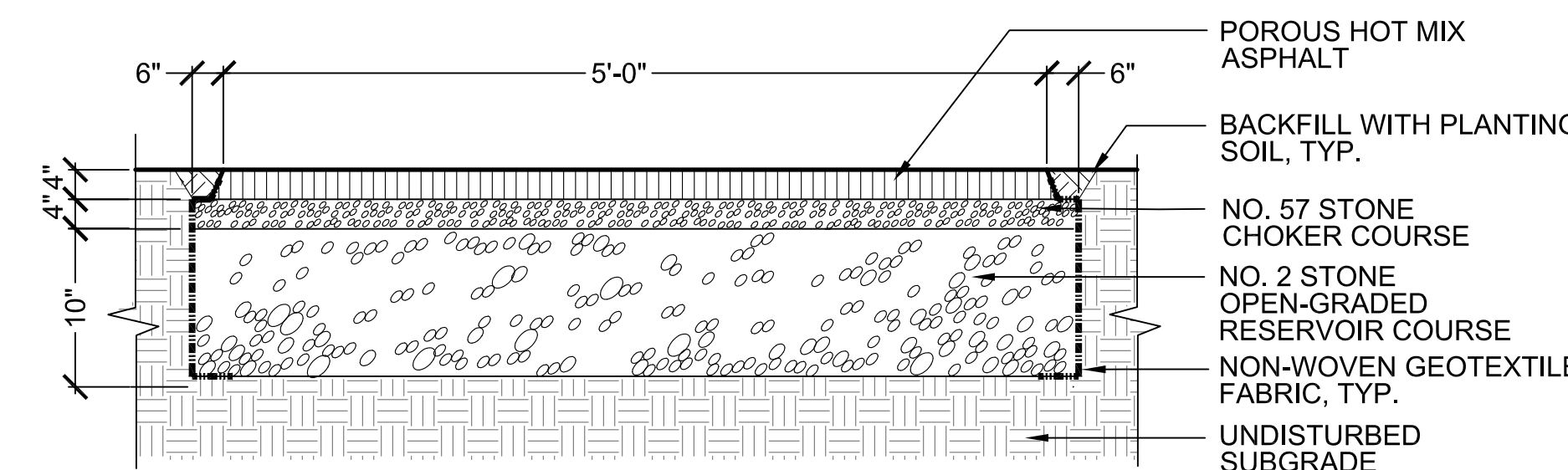
8 WHEEL CHAIR ACCESSIBLE PICNIC TABLE W/ CONCRETE PAD

SCALE: NTS

8

5 BOARDWALK BENCH

SCALE: NTS



NOTE:
CONTRACTOR SHALL PROTECT WASHED STONE COURSES AND FINISHED POROUS HOT MIX ASPHALT SURFACE FROM SEDIMENT AND DEBRIS AT ALL TIMES, SEE SPECIFICATION SECTION 02795, POROUS HOT MIX ASPHALT.

4 POROUS HOT MIX ASPHALT

SCALE: NTS

4

PLANT SCHEDULE - STRAIGHT NATIVE SPECIES ONLY

CANOPY TREES							
QTY.	ID	SCIENTIFIC NAME	COMMON NAME	SIZE	WETLAND STATUS	SHADE TOLERANCE	COMMENTS
6	AR	Acer rubrum	red maple	2" CAL.	FAC	FULL SUN/PART SHADE	B&B
3	BN	Betula nigra	river birch	2" CAL.	FACW	FULL SUN/PART SHADE	B&B, MULTI-STEM
3	PS1	Pinus strobus	white pine	4' HT.	FACU	FULL SUN/PART SHADE	CONT.
1	PS2	Pinus strobus	white pine	8' HT.	FACU	FULL SUN/PART SHADE	B&B
5	UA	Ulmus americana 'Princeton'	American elm	1" CAL.	FACW	FULL SUN	CONT.
13	Total						

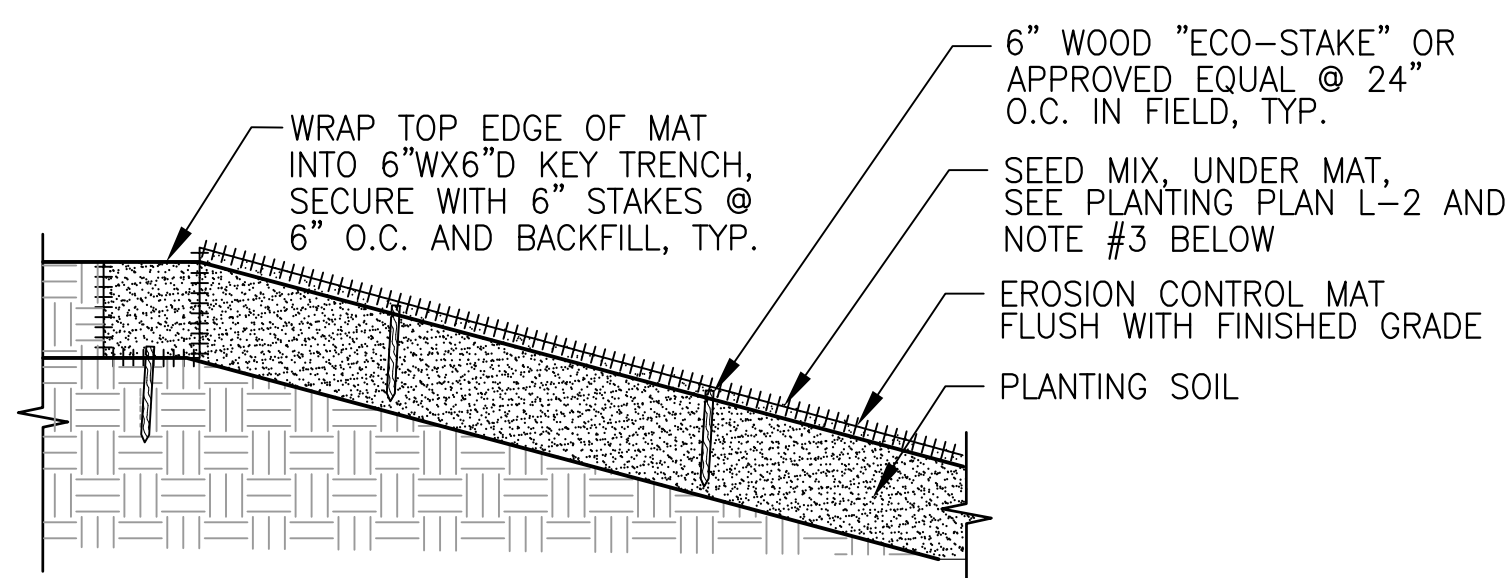
UNDERSTORY TREES AND SHRUBS							
QTY.	SYM.	SCIENTIFIC NAME	COMMON NAME	SIZE	WETLAND STATUS	SHADE TOLERANCE	COMMENTS
13	Aa	Aronia arbutifolia	red chokeberry	24" HT.	FACW	FULL SUN/PART SHADE	CONT.
11	Ac	Amelanchier canadensis	serviceberry	4' HT.	FAC	FULL SUN/PART SHADE	CONT.
39	Ca	Clethra alnifolia	summersweet	24" HT.	FAC	FULL SUN/PART SHADE	CONT.
5	Hv	Hamamelis virginiana	witchhazel	36" HT.	FACU	FULL SUN/PART SHADE	CONT.
3	Iv	Ilex verticillata	winterberry	36" HT.	FACW	FULL SUN/PART SHADE	CONT.
32	Lb	Lindera benzoin	spicebush	24" HT.	FACW	FULL SUN/PART SHADE	CONT.
15	Sa	Swida amomum	silky dogwood	36" HT.	FACW	FULL SUN/PART SHADE	CONT.
15	Sp	Spiraea alba	meadowsweet	36" HT.	FACW	FULL SUN/PART SHADE	CONT.
55	Sr	Swida racemosa	gray dogwood	24" HT.	FAC	FULL SUN/PART SHADE	CONT.
7	Cf	Cornus florida	flowering dogwood	6' HT.	FACU	FULL SUN/PART SHADE	CONT.
28	St	Spiraea tomentosa	steepleshub	24" HT.	FACW	FULL SUN	CONT.
208	Total						

HERBACEOUS							
QTY.	SYM.	SCIENTIFIC NAME	COMMON NAME	SIZE	WETLAND STATUS	SHADE TOLERANCE	COMMENTS
56	ac	Anemone canadensis	Canada anemone	#1 CONT.	FACW	FULL SUN/PART SHADE	
56	at	Asclepias tuberosa	butterfly weed	#1 CONT.	N/A	FULL SUN	
56	cp	Carex pennsylvanica	Pennsylvania sedge	#1 CONT.	N/A	PARTIAL/FULL SHADE	
56	dp	Dennstaedtia punctilobula	hay-scented fern	#1 CONT.	UPL	PARTIAL SHADE	
56	jt	Juncus tenuis	path rush	#1 CONT.	FAC	FULL SUN/PART SHADE	
56	lc	Lobelia cardinalis	cardinal flower	#1 CONT.	FACW	FULL SUN/PART SHADE	
56	pt	Pteridium aquilinum	bracken fern	#1 CONT.	FACU	FULL SUN	
56	rf	Rudbeckia fulgida	black-eyed Susan	#1 CONT.	N/A	FULL SUN	
56	ss	Schizachyrium scoparium	little bluestem	#1 CONT.	FACU	FULL SUN	
56	vh	Verbena hastata	blue vervain	#1 CONT.	FACW	FULL SUN	
56	za	Zizia aurea	golden alexanders	#1 CONT.	FAC	FULL SUN/PART SHADE	
616	Total						

BIORETENTION BASIN AND CONVEYANCE SWALE HERBACEOUS							
QTY.	SYM.	SCIENTIFIC NAME	COMMON NAME	SIZE	WETLAND STATUS	SHADE TOLERANCE	COMMENTS
28	dm	Dryopteris marginalis	marginal woodfern	#1 CONT.	FACU	PARTIAL/FULL SHADE	
28	ed	Eurybia divaricata	white wood aster	#1 CONT.	N/A	PARTIAL/FULL SHADE	
28	ms	Matteuccia struthiopteris	ostrich fern	#1 CONT.	FAC	PARTIAL/FULL SHADE	
28	os	Onoclea sensibilis	sensitive fern	#1 CONT.	FACW	PARTIAL/FULL SHADE	
28	oc	Osmundastrum cinnamomeum	cinnamon fern	#1 CONT.	FACW	PARTIAL/FULL SHADE	
25	tc	Tiarella cordifolia	foamflower	#1 CONT.	FACU	PARTIAL/FULL SHADE	
165	Total						

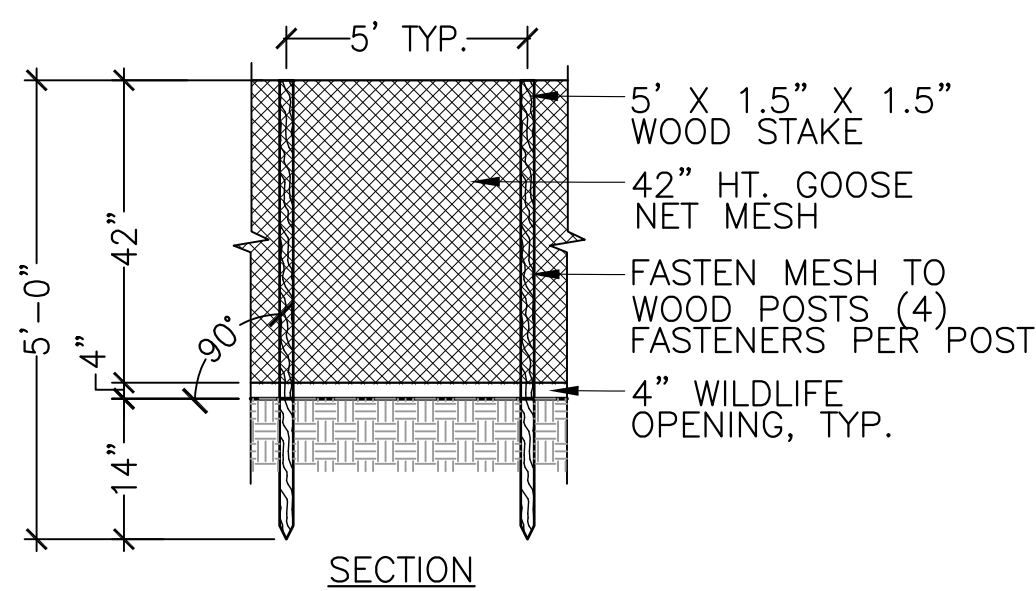
BIORETENTION BASIN AND CONVEYANCE SWALE HERBACEOUS							
QTY.	SYM.	SCIENTIFIC NAME	COMMON NAME	SIZE	WETLAND STATUS	SHADE TOLERANCE	COMMENTS
60	at	Asclepias tuberosa	butterfly weed	2.5" PLUG	N/A	FULL SUN	15" SPACING
120	ep	Echinacea purpurea	purple coneflower	2.5" PLUG	N/A	FULL SUN/PART SHADE	15" SPACING
120	jc	Juncus canadensis	Canada rush	2.5" PLUG	OBL	FULL SUN/PART SHADE	15" SPACING
120	je	Juncus effusus	soft rush	2.5" PLUG	OBL	FULL SUN/PART SHADE	15" SPACING
100	pv	Panicum virgatum	switchgrass	2.5" PLUG	FAC	FULL SUN/PART SHADE	15" SPACING
120	rf	Rudbeckia fulgida	black-eyed Susan	2.5" PLUG	N/A	FULL SUN	15" SPACING
120	ss	Schizachyrium scoparium	little bluestem	2.5" PLUG	FACU	FULL SUN	15" SPACING
760	Total						

8 PLANT SCHEDULE



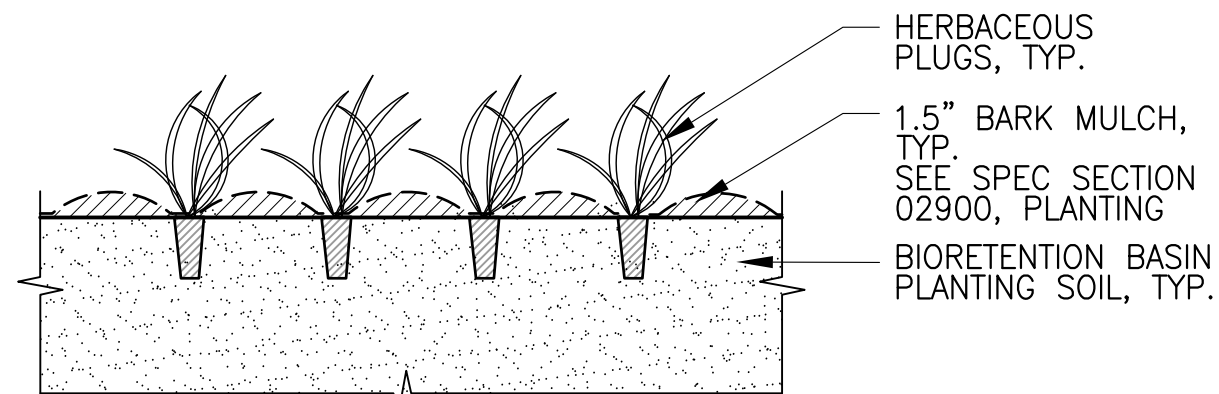
- NOTES:
1. EROSION CONTROL MATTING SHALL BE PLACED ALONG ENTIRE LENGTH OF CONVEYANCE SWALE AND ON ANY SLOPES GREATER THAN 3:1.
 2. REFER TO SPEC SECTION 01568, EROSION AND SEDIMENT CONTROL.
 3. REFER TO SPEC SECTION 02952, FOR SEED MIXES.

7 EROSION CONTROL MAT
SCALE: NTS



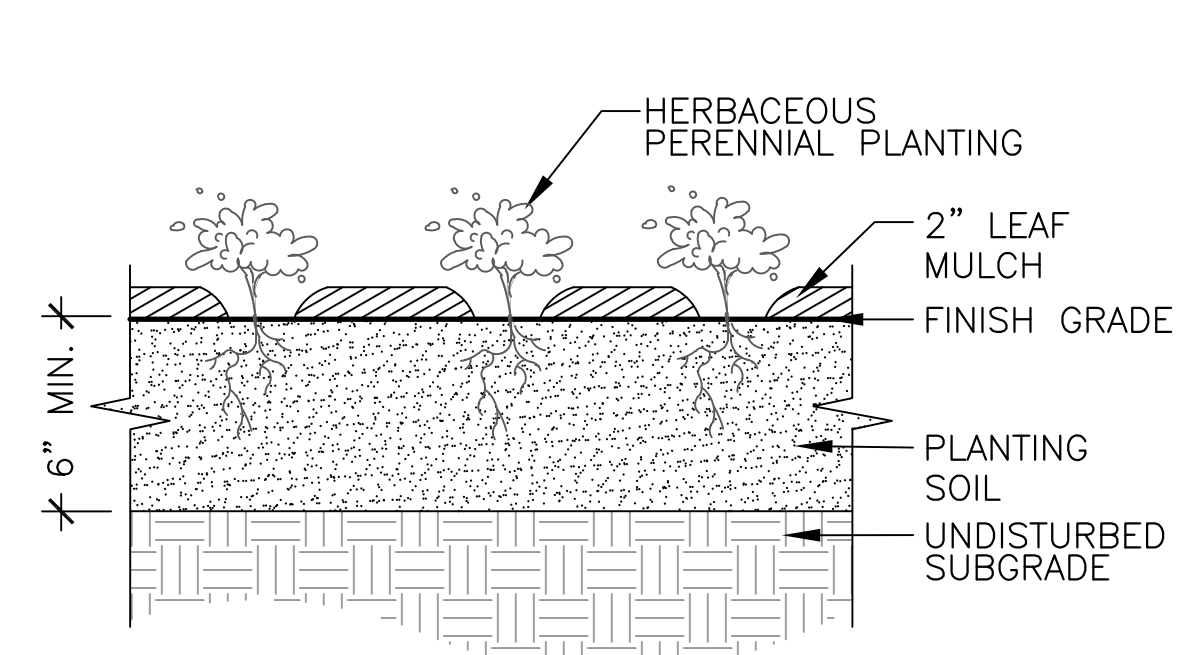
- NOTES:
1. FENCING ALONG BIORETENTION BASIN PERIMETER SHALL BE IN PLACE AT COMPLETION OF BASIN PLUG PLANTING. BIORETENTION BASIN FENCING SHALL BE SET FLUSH AGAINST FINISH GRADE WITHOUT 4" WILDLIFE OPENING.
 2. FENCE SHALL BE PLACED IMMEDIATELY FOLLOWING APPLICATION OF SEED.
 3. ANY SECTIONS OF SEED ESTABLISHMENT FENCE THAT BECOME DAMAGED SHALL BE REPLACED IMMEDIATELY.
 4. SEE SPECIFICATION SECTION 02952, SEEDING AND SODDING.

6 SEED ESTABLISHMENT FENCE
SCALE: NTS



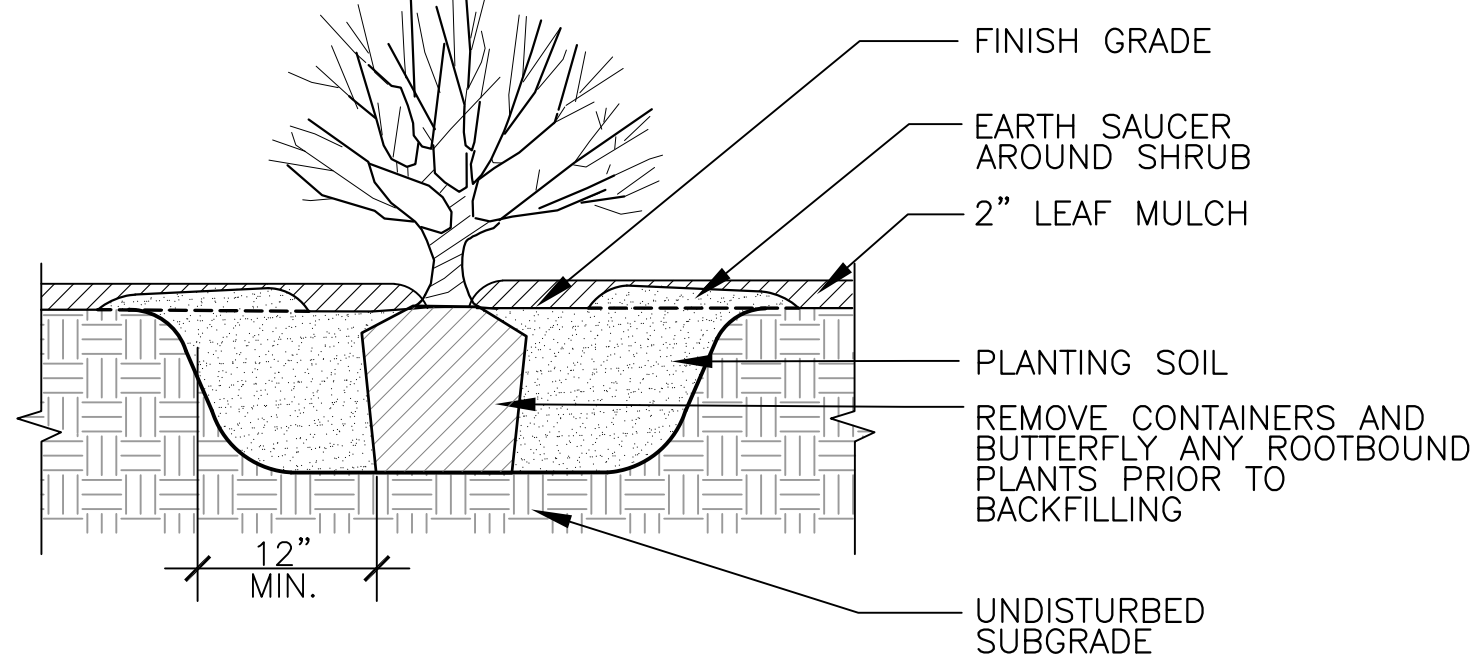
- NOTES:
1. SEE PLANT SCHEDULE SHEET L-7 FOR BIORETENTION BASIN SPECIES AND PLUG SPACING.
 2. CONTRACTOR SHALL NOTIFY OWNER'S REPRESENTATIVE WHEN BIORETENTION BASIN HAS BEEN PROPERLY PREPARED AND READY FOR PLANTING. OWNER'S REPRESENTATIVE WILL THEN PLACE FLAGS IN THE FIELD INDICATING LOCATIONS FOR VARIOUS SPECIES TO BE PLANTED. ALL PLUG PLANTING MATERIAL MUST BE ON SITE IN ORDER TO COMMENCE BIORETENTION BASIN PLANTING LAYOUT.
 3. NO MULCH SHALL BE PLACED UNTIL ALL PLUG PLANTING HAS BEEN COMPLETED.

5 HERBACEOUS PLUG PLANTING
SCALE: NTS

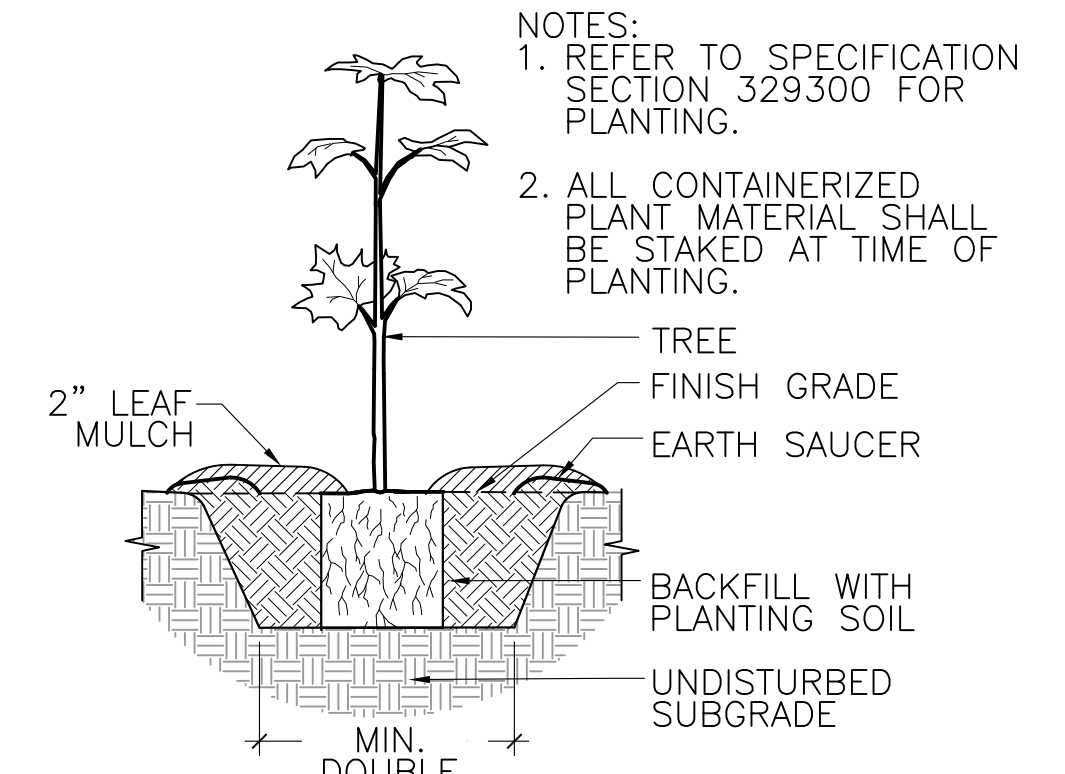


- NOTE:
1. CONTAINERS TO BE LAID OUT IN THE FIELD BY LANDSCAPE ARCHITECT PRIOR TO PLANTING.

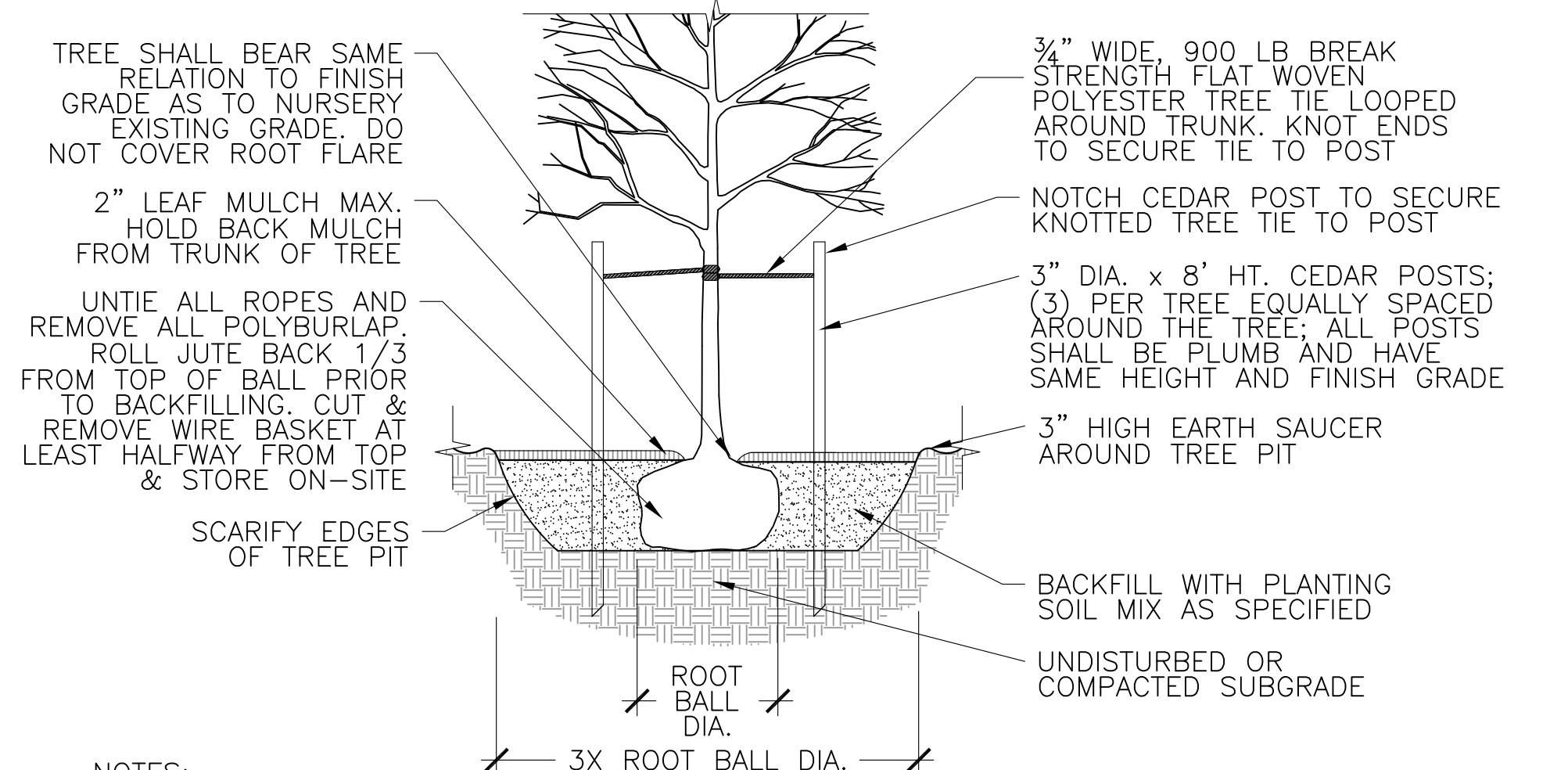
4 HERBACEOUS PERENNIAL PLANTING
SCALE: NTS



3 SHRUB PLANTING
SCALE: NTS



2 CONTAINERIZED TREE PLANTING
SCALE: NTS



- NOTES:
1. CLEANLY PRUNE ALL DAMAGED BRANCHES.
 2. TREE SHALL HAVE STRAIGHT TRUNK AND BE PLUMB AFTER SETTLEMENT. CONTRACTOR SHALL ADJUST AS REQUIRED OR AS DIRECTED BY OWNER'S REPRESENTATIVE.

1 B&B TREE PLANTING
SCALE: NTS