

Site Plans

Issued for	Permits
Date Issued	August 1, 2025
Latest Issue	August 22, 2025

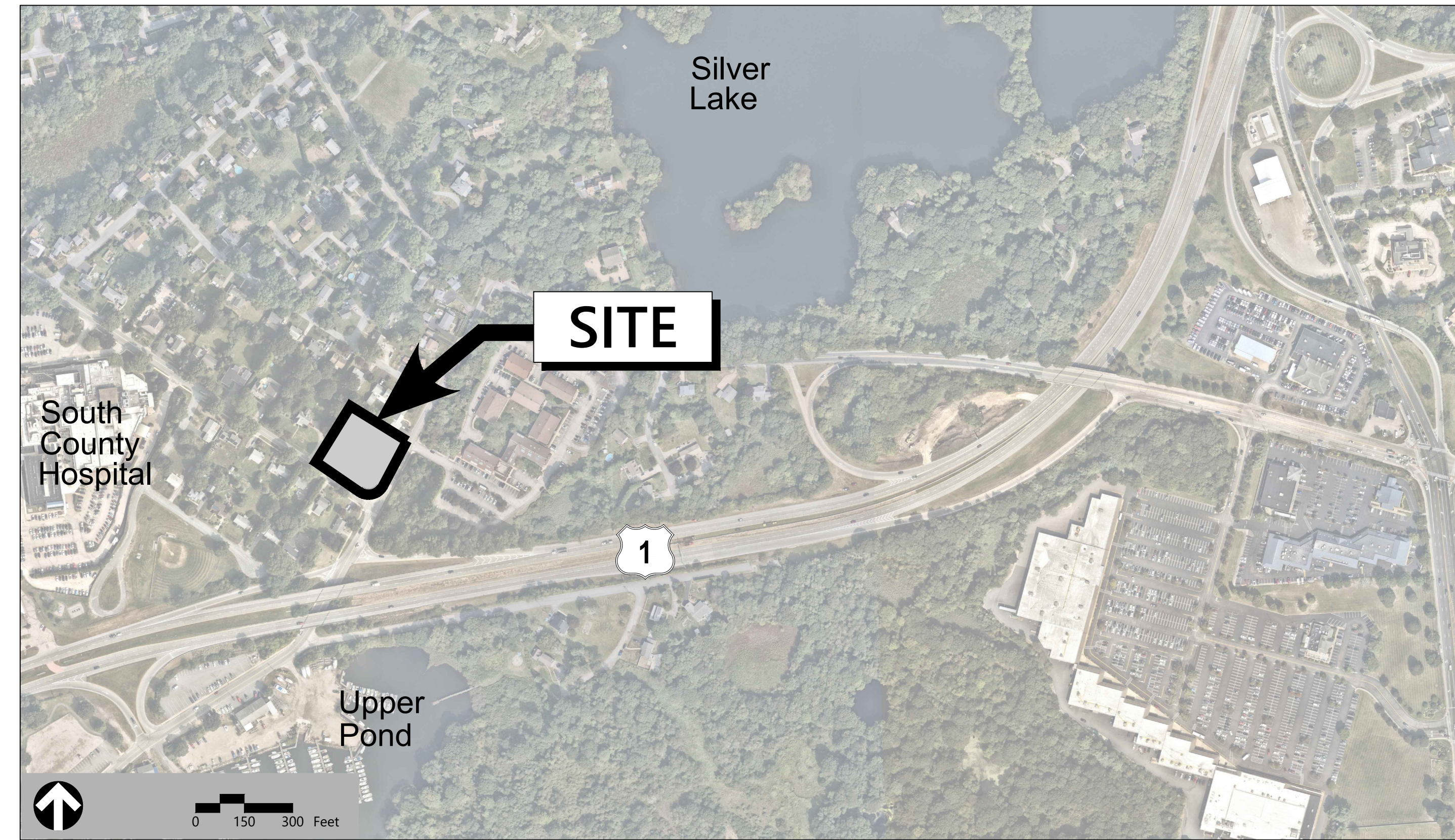
South County Hospital Off-Site Surface Parking

11 Kenyon Ave
South Kingstown, RI 02879

Owner/ Applicant

SC Hospital Healthcare Systems
100 Kenyon Avenue
Wakefield, RI 02879

Assessor's Map: AP 64-1
Lot: 16



Sheet Index

No.	Drawing Title	Latest Issue
C1.01	Legend and General Notes	August 1, 2025
C2.01	Layout and Materials Plan	August 22, 2025
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C5.01	Site Details 1	August 22, 2025
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C5.03	Site Details 3	August 1, 2025

Reference Drawings

No.	Drawing Title	Latest Issue
	Perimeter Survey and Existing Conditions Plan	February 19, 2025
L1	Preparation Site Plan	August 21, 2025
L2	Planting Plan	August 21, 2025
L3	Planting Detail - Schedule	August 21, 2025
	Photometric Plan	August 8, 2025



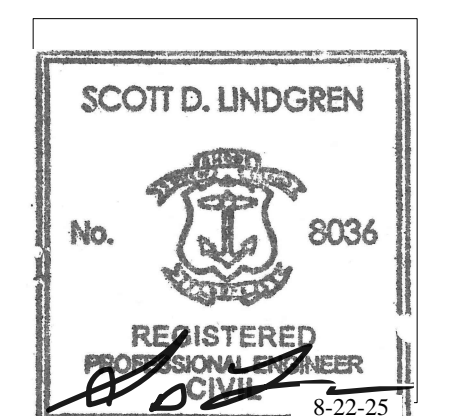
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

Surveying

Jackson Surveying, Inc.
4450 Old Post Road
Charlestown, RI 02813
(401) 364-3130

Landscape Architect

Don Leighton Design
44 Beach Ave
Narragansett, RI 02882
(401) 539-4653





1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

Legend

Legend table with columns for Exist. and Prop. symbols and descriptions for various site features like property lines, roads, utilities, and structures.

Abbreviations

Abbreviations table listing symbols for General and Utility items such as ABAN (ABANDON), ADJ (ADJUST), and CB (CATCH BASIN).

Notes

General

- 1. CONTRACTOR SHALL NOTIFY "DIG-SAFE" (1-888-344-7233) AT LEAST 72 HOURS BEFORE EXCAVATING.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SECURITY AND JOB SAFETY. CONSTRUCTION ACTIVITIES SHALL BE IN ACCORDANCE WITH OSHA STANDARDS AND LOCAL REQUIREMENTS.

Utilities

- 1. THE LOCATIONS, SIZES, AND TYPES OF EXISTING UTILITIES ARE SHOWN AS AN APPROXIMATE REPRESENTATION ONLY. THE OWNER OR ITS REPRESENTATIVE(S) HAVE NOT INDEPENDENTLY VERIFIED THIS INFORMATION AS SHOWN ON THE PLANS.
2. WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, OR EXISTING CONDITIONS DIFFER FROM THOSE SHOWN SUCH THAT THE WORK CANNOT BE COMPLETED AS INTENDED...

Layout and Materials

- 1. DIMENSIONS ARE FROM THE FACE OF BERM, FACE OF WALL, AND CENTER LINE OF PAVEMENT MARKINGS, UNLESS OTHERWISE NOTED.
2. CURBING SHALL BE BB WITHIN THE SITE UNLESS OTHERWISE INDICATED ON THE PLANS.

Demolition

- 1. CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING MANMADE SURFACE FEATURES WITHIN THE LIMIT OF WORK INCLUDING PAVEMENTS, SLABS, CURBING, FENCES, UTILITY POLES, SIGNS, ETC.
2. EXISTING UTILITIES SHALL BE TERMINATED, UNLESS OTHERWISE NOTED, IN CONFORMANCE WITH LOCAL, STATE AND INDIVIDUAL UTILITY COMPANY STANDARD SPECIFICATIONS AND DETAILS.

- 5. UNLESS OTHERWISE SPECIFICALLY PROVIDED ON THE PLANS OR IN THE SPECIFICATIONS, THE ENGINEER HAS NOT PREPARED DESIGNS FOR AND SHALL HAVE NO RESPONSIBILITY FOR THE PRESENCE, DISCOVERY, REMOVAL, ABATEMENT OR DISPOSAL OF HAZARDOUS MATERIALS.

Erosion Control

- 1. PRIOR TO STARTING ANY OTHER WORK ON THE SITE, THE CONTRACTOR SHALL NOTIFY APPROPRIATE AGENCIES AND SHALL INSTALL EROSION CONTROL MEASURES AS SHOWN ON THE PLANS AND AS IDENTIFIED IN FEDERAL, STATE, AND LOCAL APPROVAL DOCUMENTS PERTAINING TO THIS PROJECT.
2. CONTRACTOR SHALL INSPECT AND MAINTAIN EROSION CONTROL MEASURES DAILY, AND REMOVE SEDIMENT THEREFROM ON A WEEKLY BASIS...

Existing Conditions Information

- 1. BASE PLAN: THE PROPERTY LINES SHOWN PROVIDED BY JACKSON SURVEYING, INC., "PERIMETER SURVEY & EXISTING CONDITIONS PLAN FOR LOT 16, AP 64-1"; THE TOPOGRAPHY AND PHYSICAL FEATURES ARE BASED ON AN ACTUAL FIELD SURVEY PERFORMED ON THE GROUND BY JACKSON SURVEYING, INC. IN FEBRUARY 2025.
2. TOPOGRAPHY: ELEVATIONS ARE BASED ON NAVD88.

Document Use

- 1. THESE PLANS AND CORRESPONDING CADD DOCUMENTS ARE INSTRUMENTS OF PROFESSIONAL SERVICE AND SHALL NOT BE USED, IN WHOLE OR IN PART, FOR ANY PURPOSE OTHER THAN FOR WHICH IT WAS CREATED WITHOUT THE EXPRESSED, WRITTEN CONSENT OF VHB.
2. CONTRACTOR SHALL NOT RELY SOLELY ON ELECTRONIC VERSIONS OF PLANS, SPECIFICATIONS, AND DATA FILES THAT ARE OBTAINED FROM THE DESIGNERS, BUT SHALL VERIFY LOCATION OF PROJECT FEATURES...

South County Hospital- Off Site Surface Parking

11 Kenyon Ave
South Kingstown, RI

Table with columns: No., Revision, Date, Apprd.

Designed by ED Checked by JR
Issued for Permits August 1, 2025

Not Approved for Construction

Legend and General Notes

Professional Engineer seal for SCOTT D. LINDGREN, No. 8036, and sheet information: Sheet 1 of 7, Project Number 73605.00.



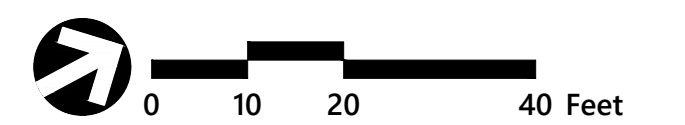
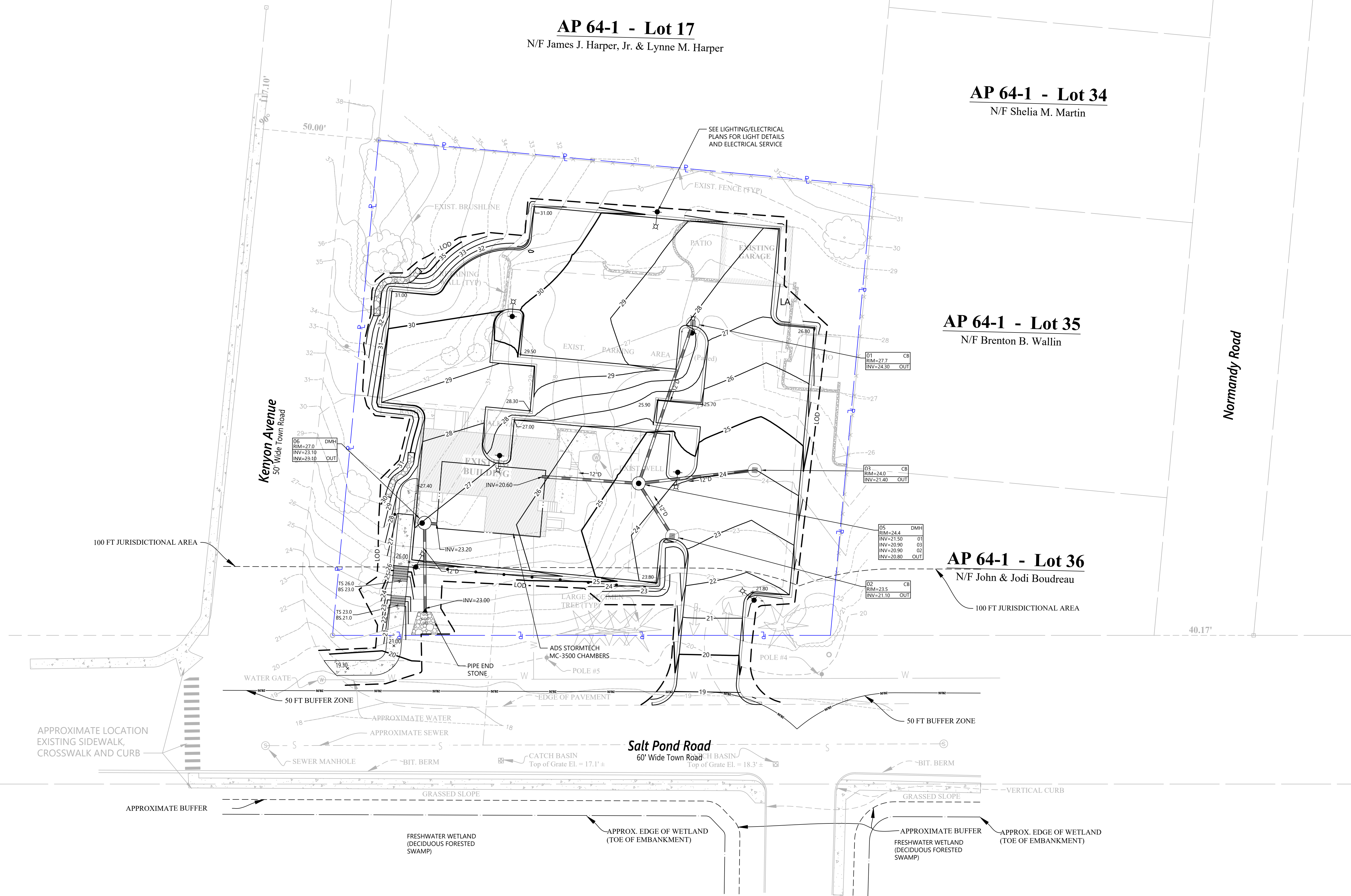
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

AP 64-1 - Lot 17
N/F James J. Harper, Jr. & Lynne M. Harper

AP 64-1 - Lot 34
N/F Shelia M. Martin

AP 64-1 - Lot 35
N/F Brenton B. Wallin

AP 64-1 - Lot 36
N/F John & Jodi Boudreau



**South County Hospital-
Off Site Surface Parking**

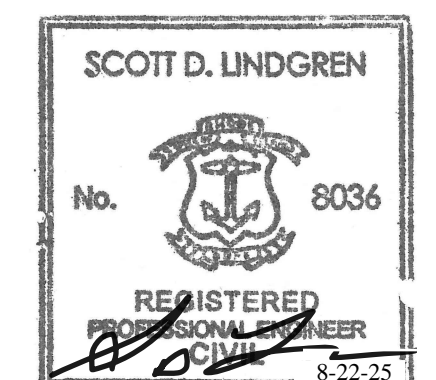
11 Kenyon Ave
South Kingstown, RI

No.	Revision	Date	Appr'd.
1.	Per Town TRC Comments	8/22/25	JR

Designed by	Checked by
ED	JR

Issued for: **Permits** Date: **August 1, 2025**

Not Approved for Construction
Drawing Title:
**Grading, Drainage,
and Utilities Plan**



C3.01

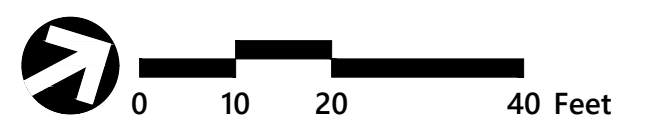
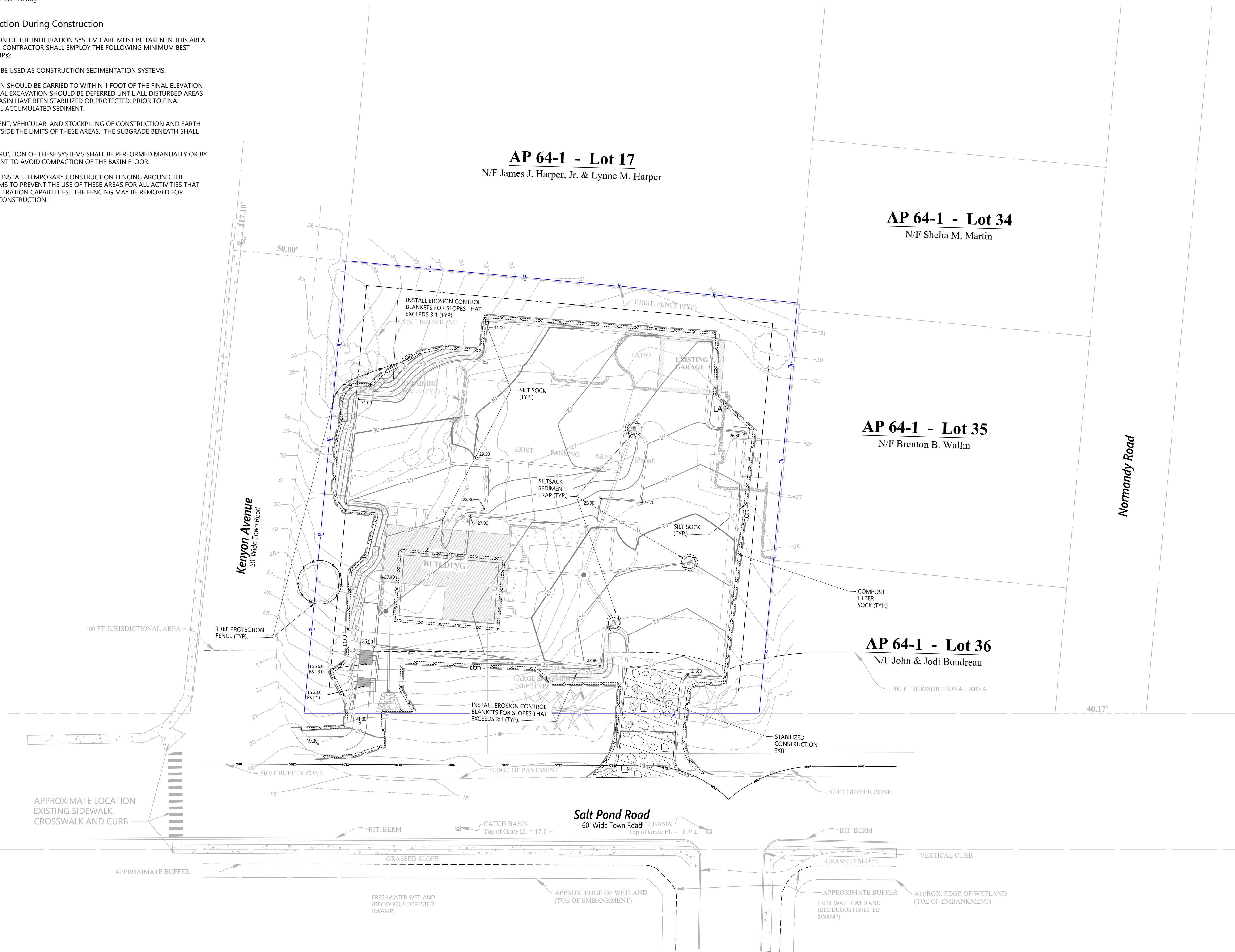
Sheet 3 of 7

Project Number: 73605.00

Infiltration Basin Protection During Construction

FOR THE LONG-TERM FUNCTION OF THE INFILTRATION SYSTEM CARE MUST BE TAKEN IN THIS AREA DURING CONSTRUCTION. THE CONTRACTOR SHALL EMPLOY THE FOLLOWING MINIMUM BEST MANAGEMENT PRACTICES (BMPs):

1. THESE AREAS SHALL NOT BE USED AS CONSTRUCTION SEDIMENTATION SYSTEMS.
2. INITIAL BASIN EXCAVATION SHOULD BE CARRIED TO WITHIN 1 FOOT OF THE FINAL ELEVATION OF THE BASIN FLOOR. FINAL EXCAVATION SHOULD BE DEFERRED UNTIL ALL DISTURBED AREAS CONTRIBUTING TO THE BASIN HAVE BEEN STABILIZED OR PROTECTED. PRIOR TO FINAL EXCAVATION, REMOVE ALL ACCUMULATED SEDIMENT.
3. CONSTRUCTION EQUIPMENT, VEHICULAR, AND STOCKPILING OF CONSTRUCTION AND EARTH MATERIALS SHALL BE OUTSIDE THE LIMITS OF THESE AREAS. THE SUBGRADE BENEATH SHALL NOT BE COMPACTED.
4. EXCAVATION FOR CONSTRUCTION OF THESE SYSTEMS SHALL BE PERFORMED MANUALLY OR BY LIGHT-TRACKED EQUIPMENT TO AVOID COMPACTION OF THE BASIN FLOOR.
5. THE CONTRACTOR SHALL INSTALL TEMPORARY CONSTRUCTION FENCING AROUND THE PERIMETER OF THE SYSTEMS TO PREVENT THE USE OF THESE AREAS FOR ALL ACTIVITIES THAT MIGHT DAMAGE THE INFILTRATION CAPABILITIES. THE FENCING MAY BE REMOVED FOR BACKFILLING AND FINAL CONSTRUCTION.



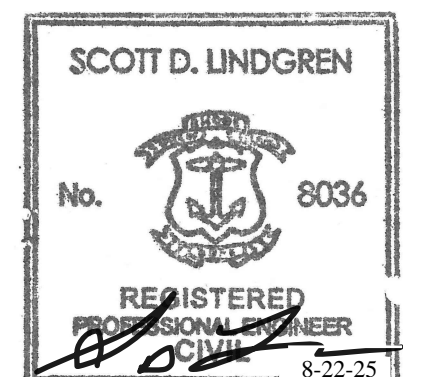
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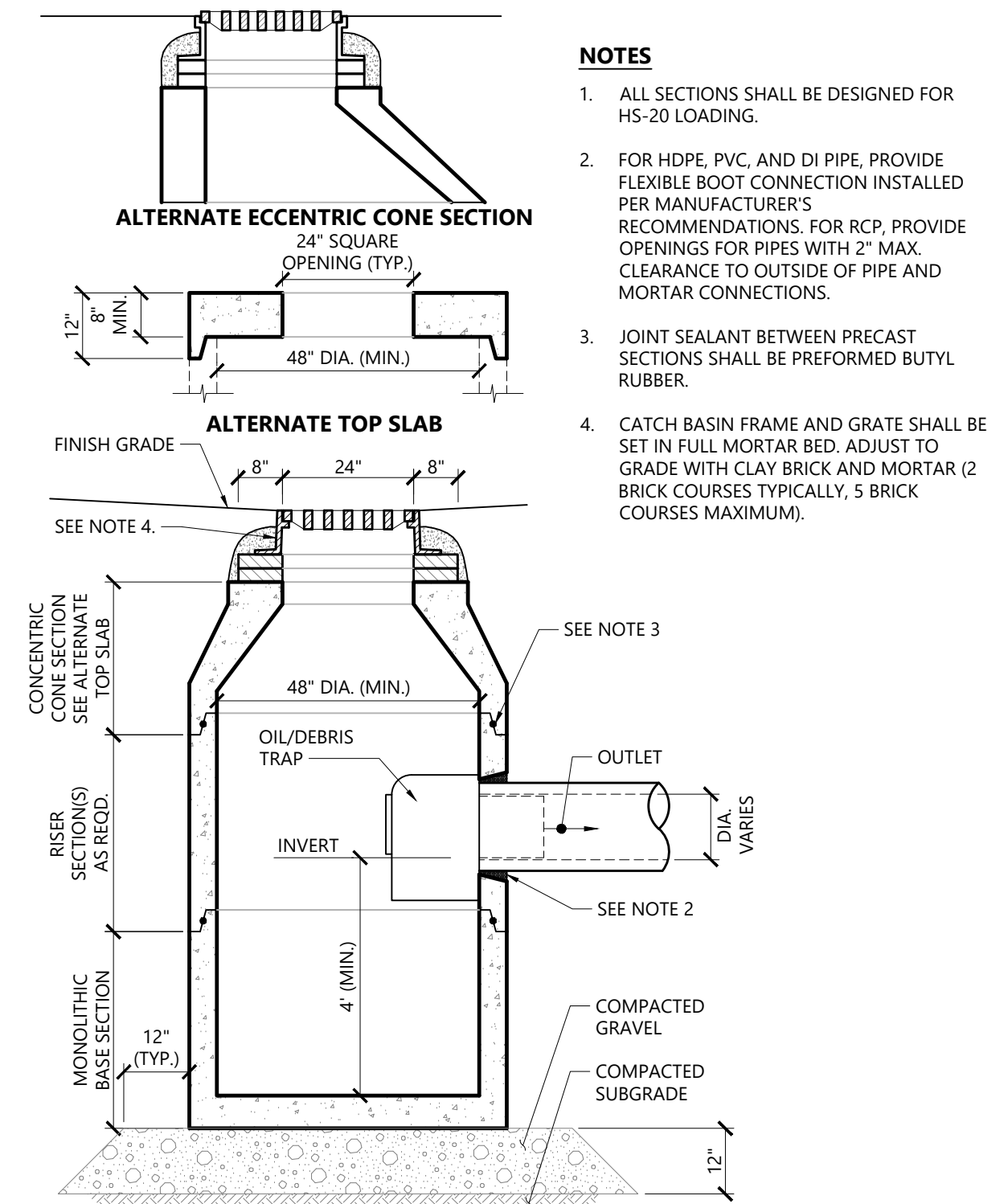
Not Approved for Construction
Drawing Title
**Erosion and Sedimentation
Control Plan**



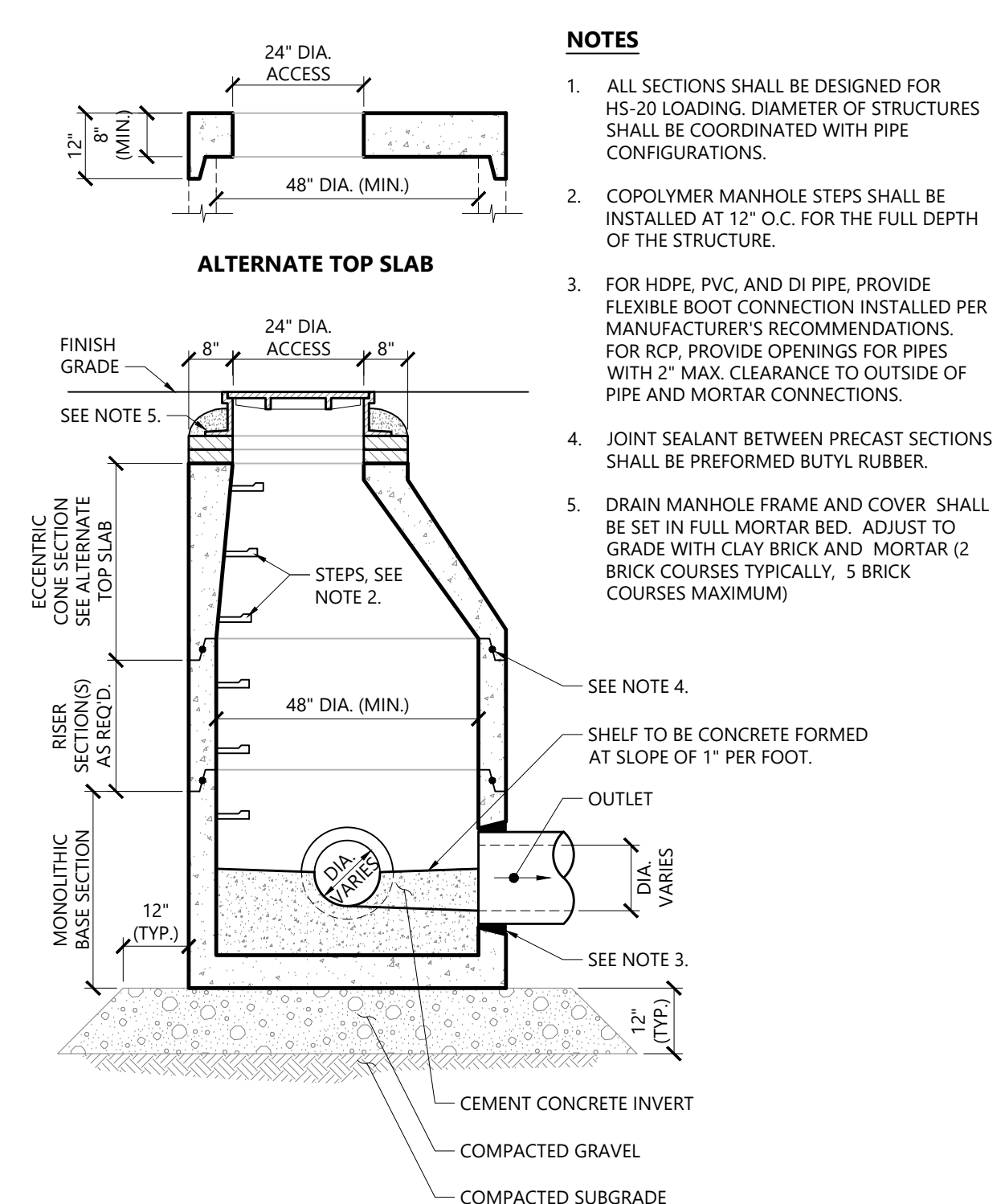
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Sheet 4 of 7

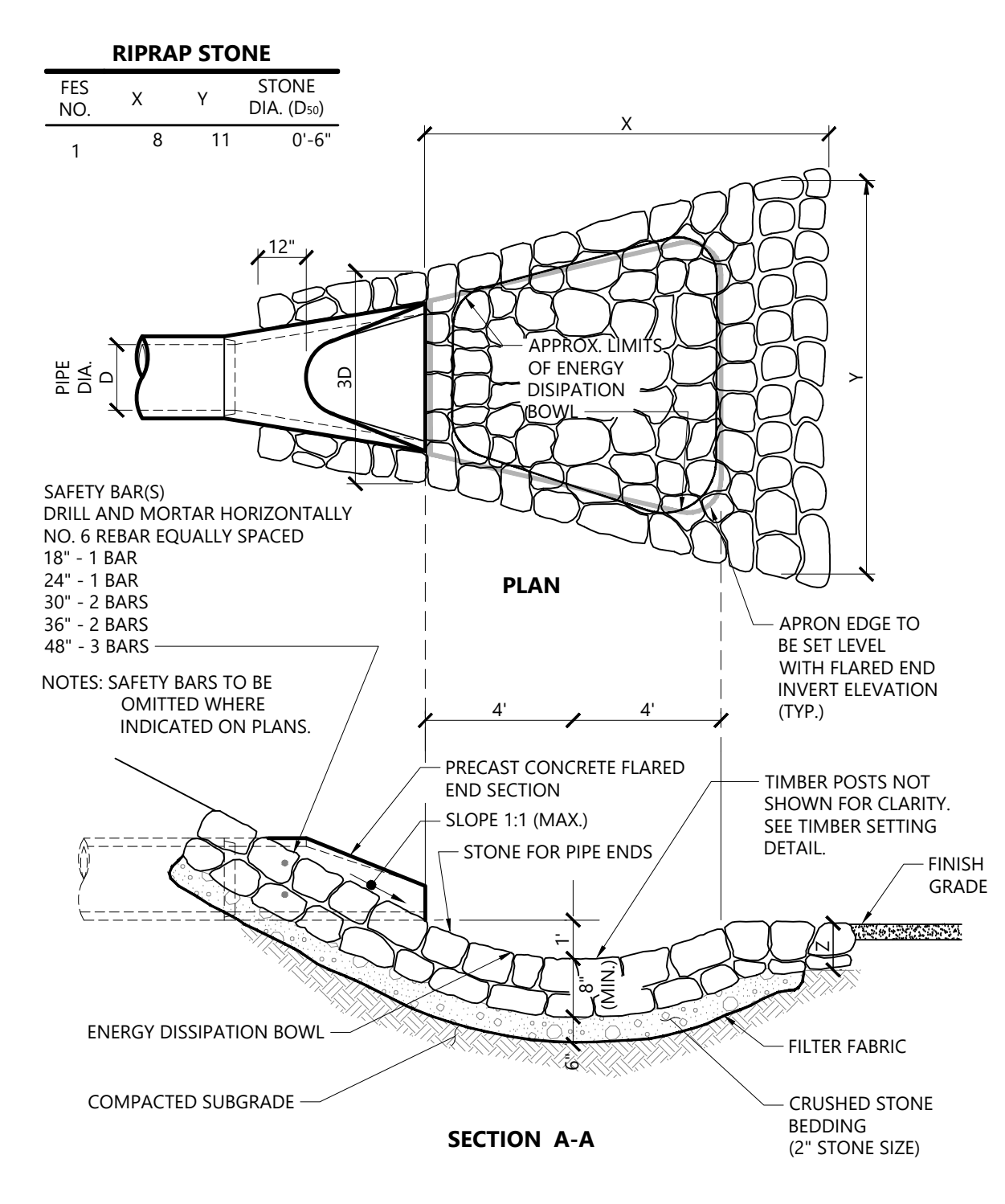
Project Number
73605.00



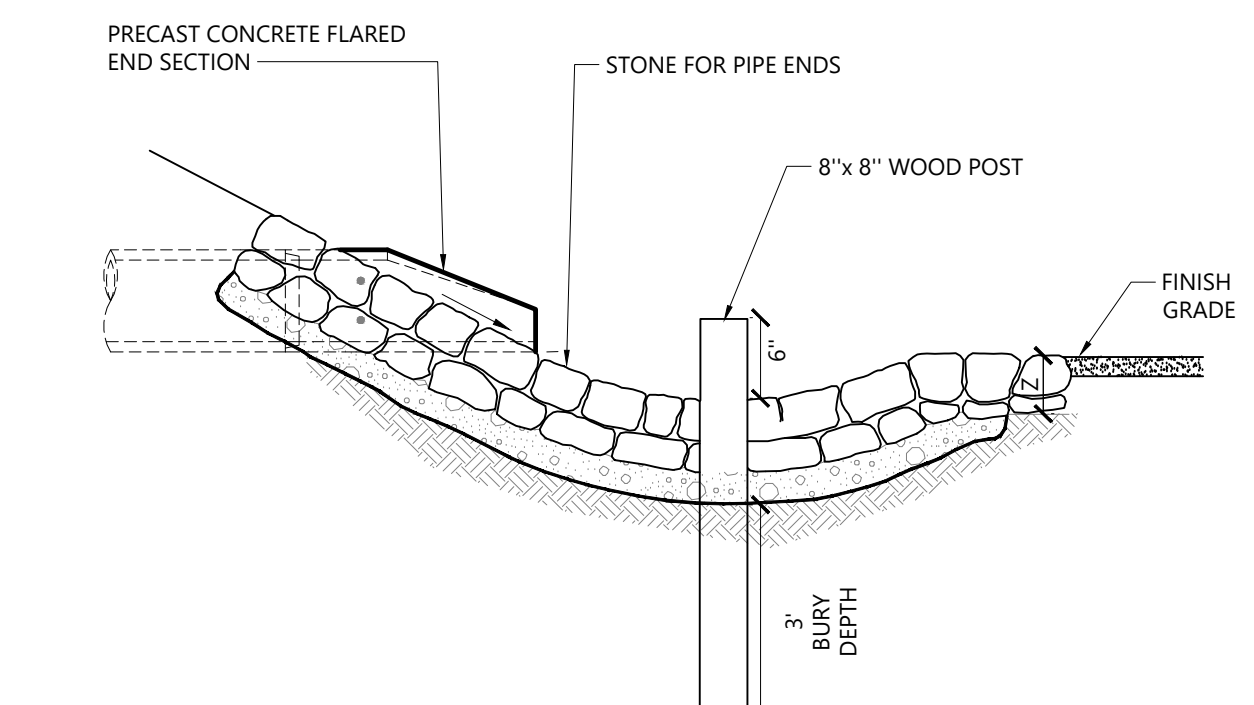
Catch Basin (CB) With Oil/Debris Trap 3/21
N.T.S. Source: VHB LD_101



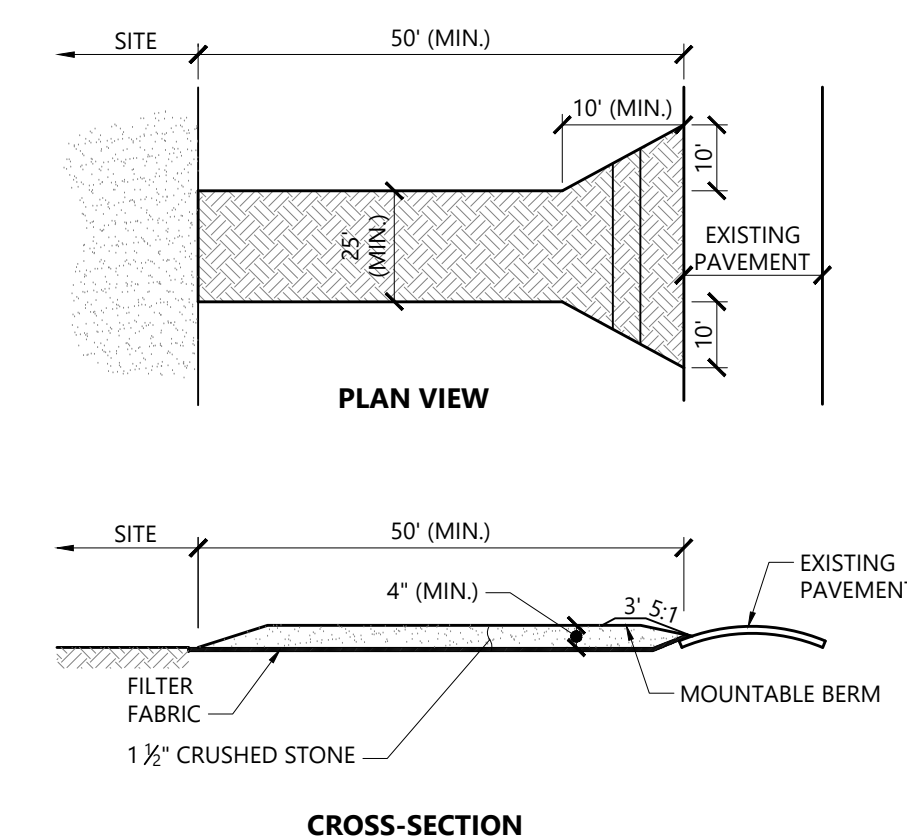
Drain Manhole (DMH) 11/19
N.T.S. Source: VHB LD_115



Flared End Section (FES) with Stone Protection 3/19
N.T.S. Source: VHB REV LD_134

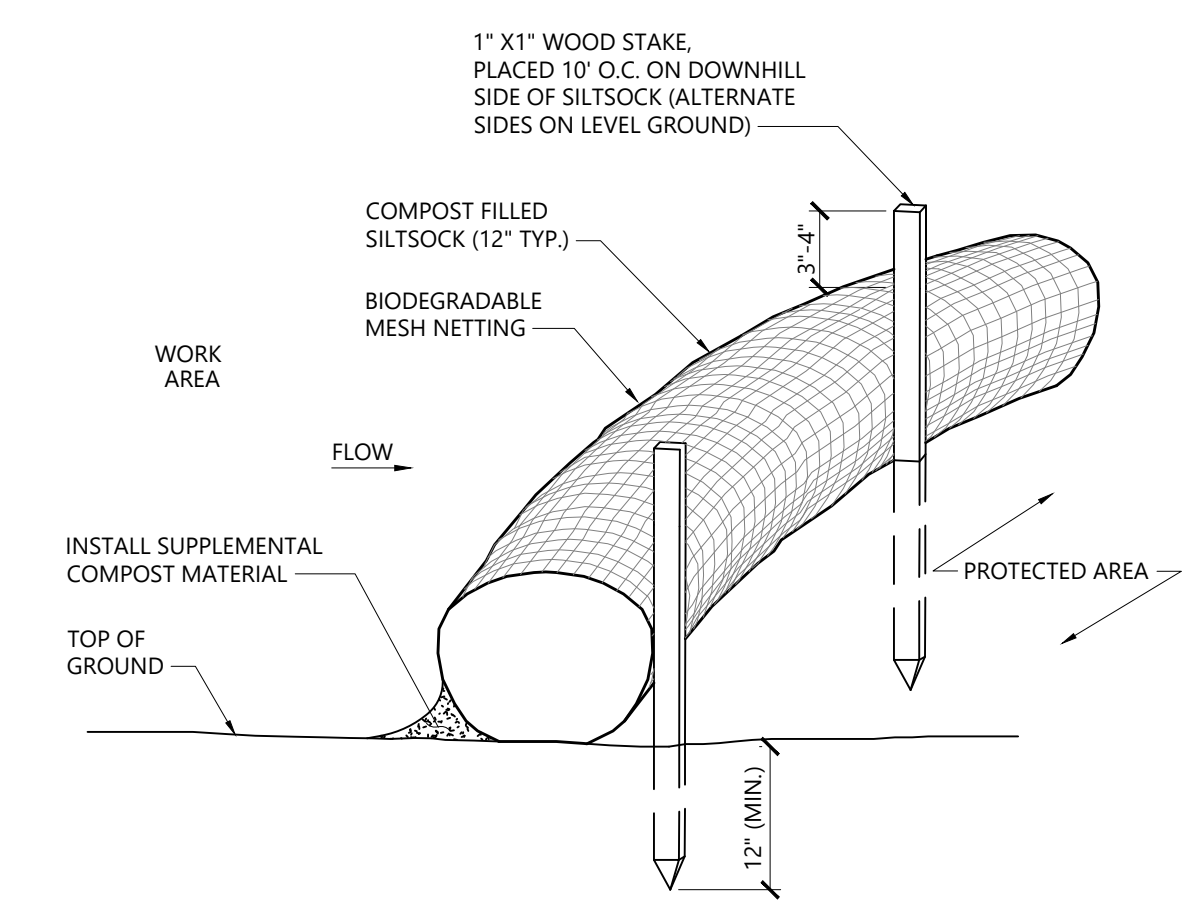


Timber Setting Detail 8/21
N.T.S. Source: VHB



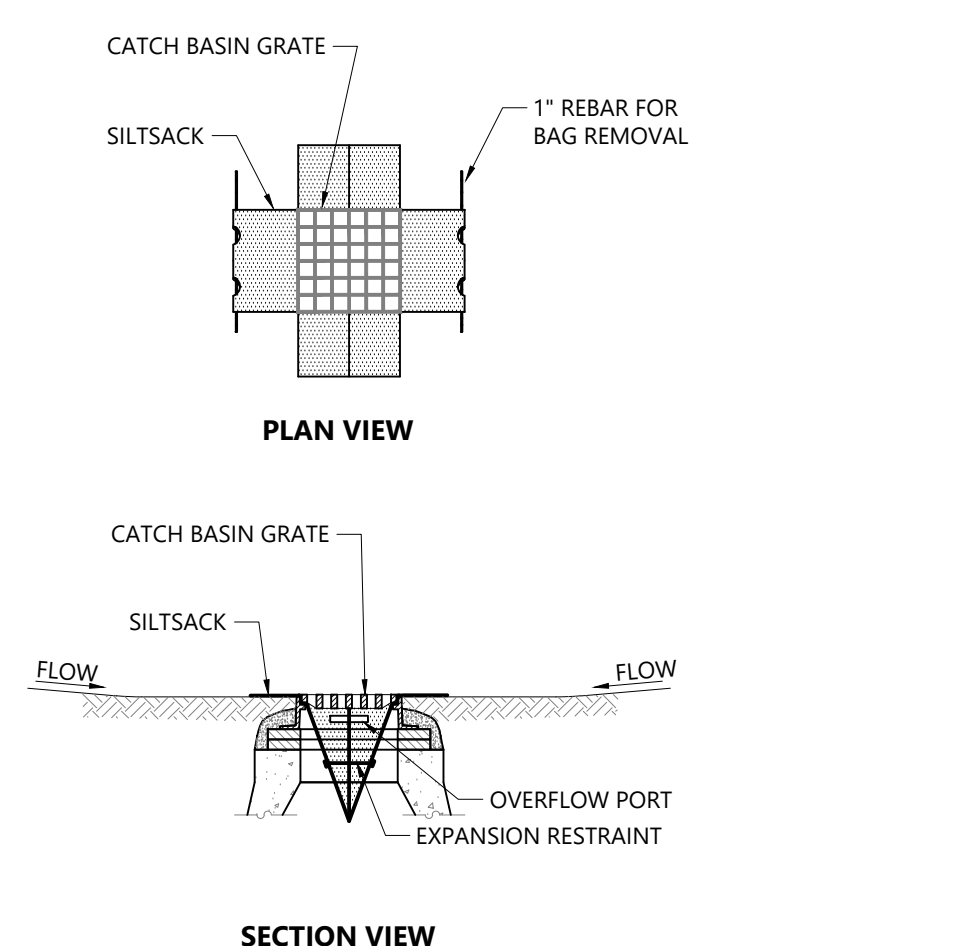
- NOTES**
- EXIT WIDTH SHALL BE A TWENTY-FIVE (25) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
 - THE EXIT SHALL BE MAINTAINED IN A CONDITION WHICH SHALL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY. BERM SHALL BE PERMITTED. PERIODIC INSPECTION AND MAINTENANCE SHALL BE PROVIDED AS NEEDED.
 - STABILIZED CONSTRUCTION EXIT SHALL BE REMOVED PRIOR TO FINAL FINISH MATERIALS BEING INSTALLED.

Stabilized Construction Exit 1/16
N.T.S. Source: VHB LD_682



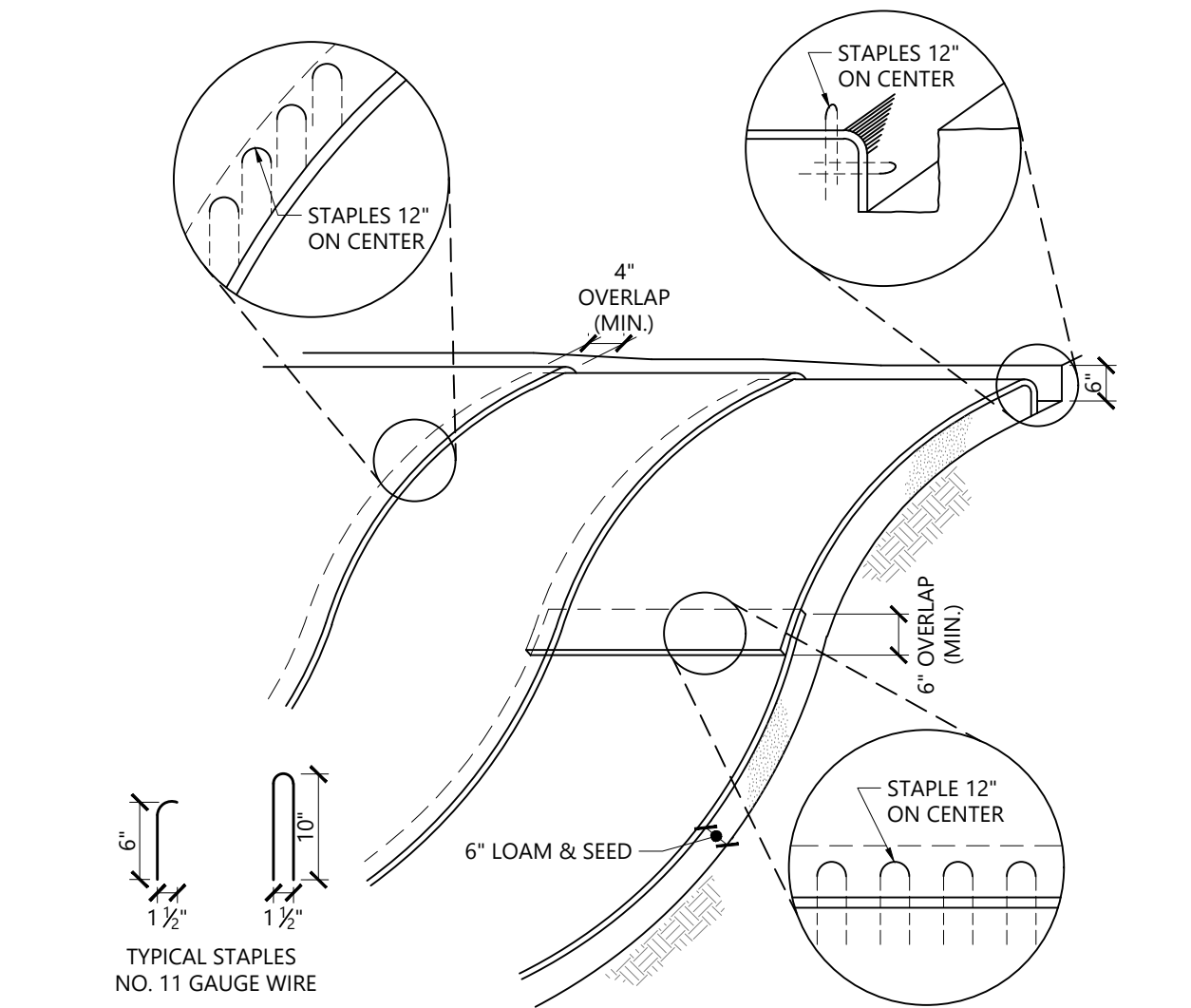
- NOTES**
- SILTSOCK SHALL BE FILTREXX SILTSOXX, OR APPROVED EQUAL.
 - SILTSOCKS SHALL OVERLAP A MINIMUM OF 12 INCHES.
 - SILTSOCK SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS, AND REPAIR OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED.
 - UPON SITE STABILIZATION, COMPOST MATERIAL SHALL BE DISPERSED ON SITE, AS DETERMINED BY THE ENGINEER.
 - IF NON BIODEGRADABLE NETTING IS USED THE NETTING SHALL BE COLLECTED AND DISPOSED OF OFFSITE.

Siltsack - Erosion Control Barrier 10/20
N.T.S. Source: VHB LD_658



- NOTES**
- INSTALL SILTSACK IN ALL CATCH BASINS WHERE INDICATED ON THE PLAN BEFORE COMMENCING WORK OR IN PAVED AREAS AFTER BINDER COURSE IS PLACED AND STRAW BALES HAVE BEEN REMOVED.
 - GRATE TO BE PLACED OVER SILTSACK.
 - SILTSACK SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS AND CLEANING OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED. MAINTAIN UNTIL UPSTREAM AREAS HAVE BEEN PERMANENTLY STABILIZED.

Siltsack Sediment Trap 1/20
N.T.S. Source: VHB LD_674



- NOTES**
- BEGIN AT THE TOP OF BLANKET INSTALLATION AREA BY ANCHORING BLANKET IN A 6" DEEP TRENCH BACKFILL AND COMPACT TRENCH AFTER STAPLING.
 - ROLL THE BLANKET DOWN THE SWALE IN THE DIRECTION OF THE WATER FLOW.
 - THE EDGES OF BLANKETS MUST BE STAPLED WITH APPROX. 4 INCH OVERLAP WHERE 2 OR MORE STRIP WIDTHS ARE REQUIRED.
 - WHEN BLANKETS MUST BE SPLICED DOWN THE SWALE, PLACE UPPER BLANKET END OVER LOWER END WITH 6 INCH (MIN.) OVERLAP AND STAPLE BOTH TOGETHER.
 - METHOD OF INSTALLATION SHALL BE AS PER MANUFACTURER'S RECOMMENDATIONS.
 - EROSION CONTROL BLANKETS SHALL BE USED IN ALL AREAS WHERE SLOPES EXCEED 3:1.

Erosion Control Blanket Slope Installation 10/20
N.T.S. Source: VHB LD_680

Saved Thursday, August 21, 2025 2:52:04 PM ALLUCCHETTI Plotted Thursday, August 21, 2025 3:03:10 PM Karen Crawford

South County Hospital- Off Site Surface Parking

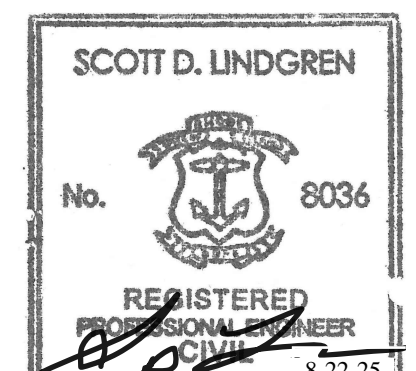
11 Kenyon Ave
South Kingstown, RI

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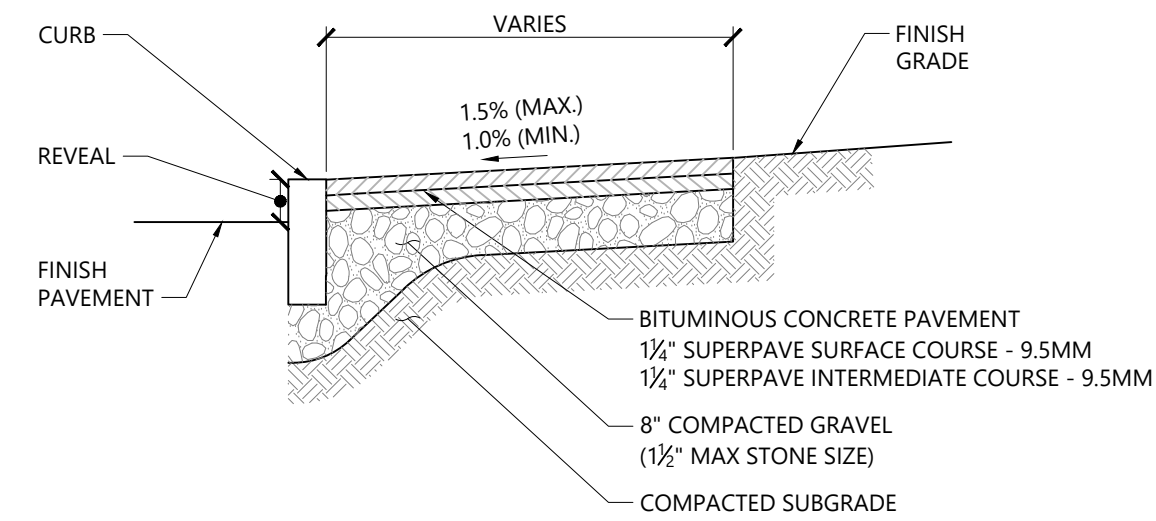
Designed by ED Checked by JR
Issued for Permits Date August 1, 2025

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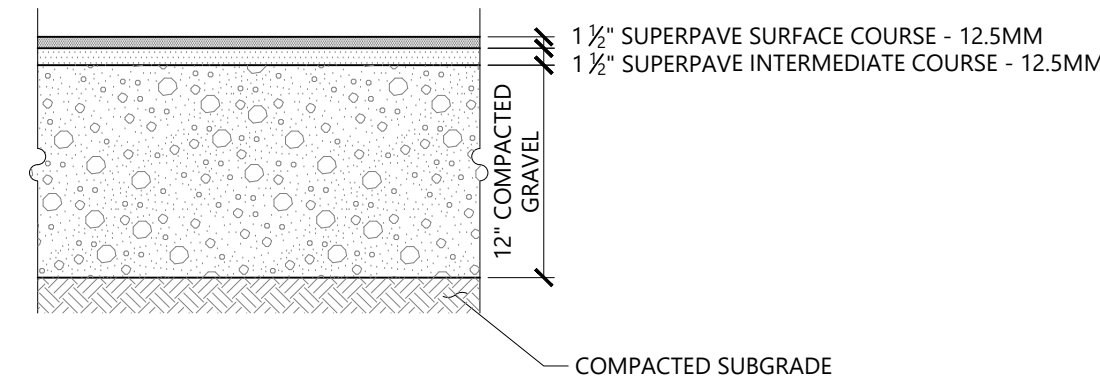
Site Details 1



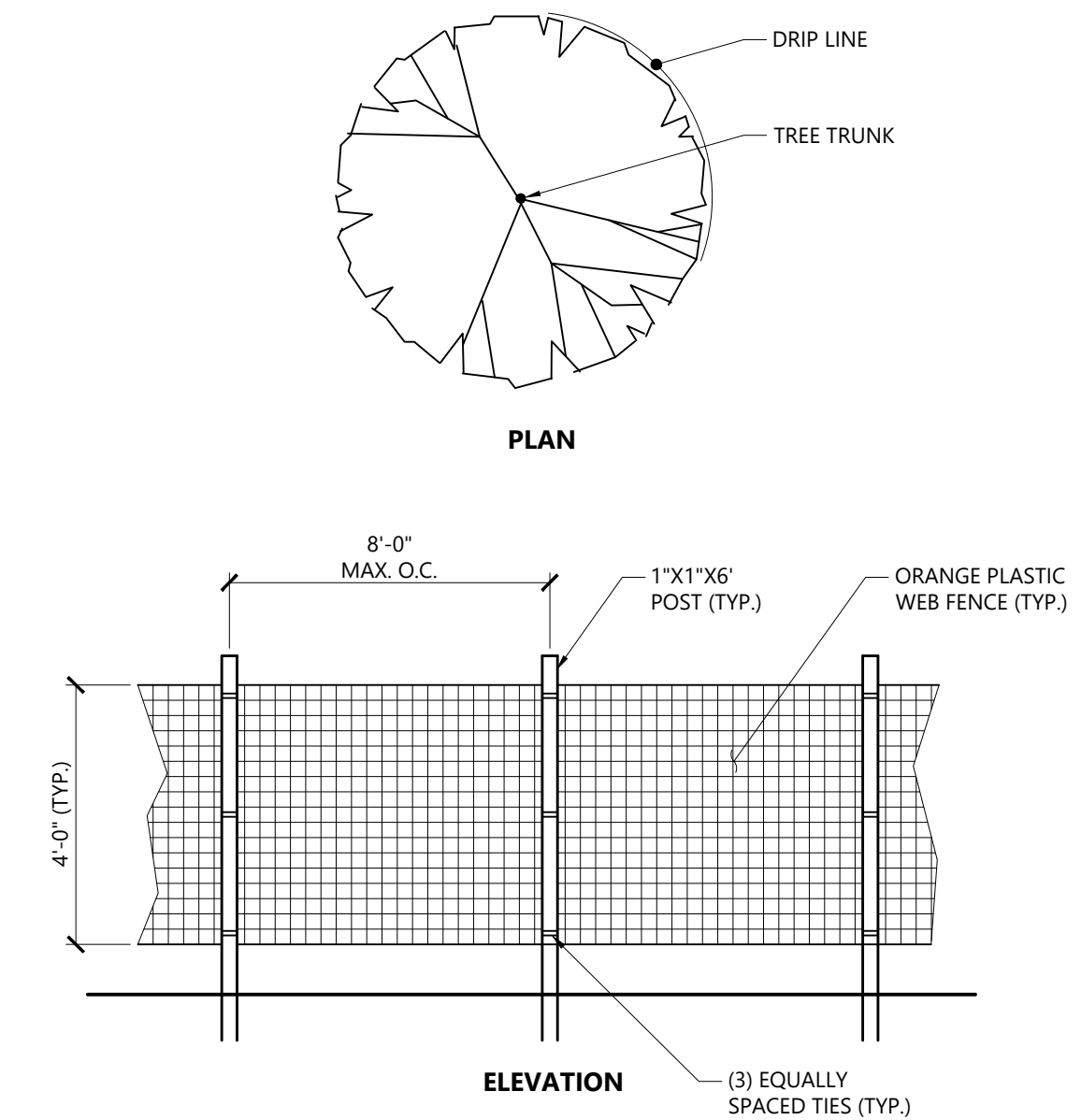
C5.01
Sheet 5 of 7



Bituminous Concrete Sidewalk 3/20
N.T.S. Source: VHB LD_422

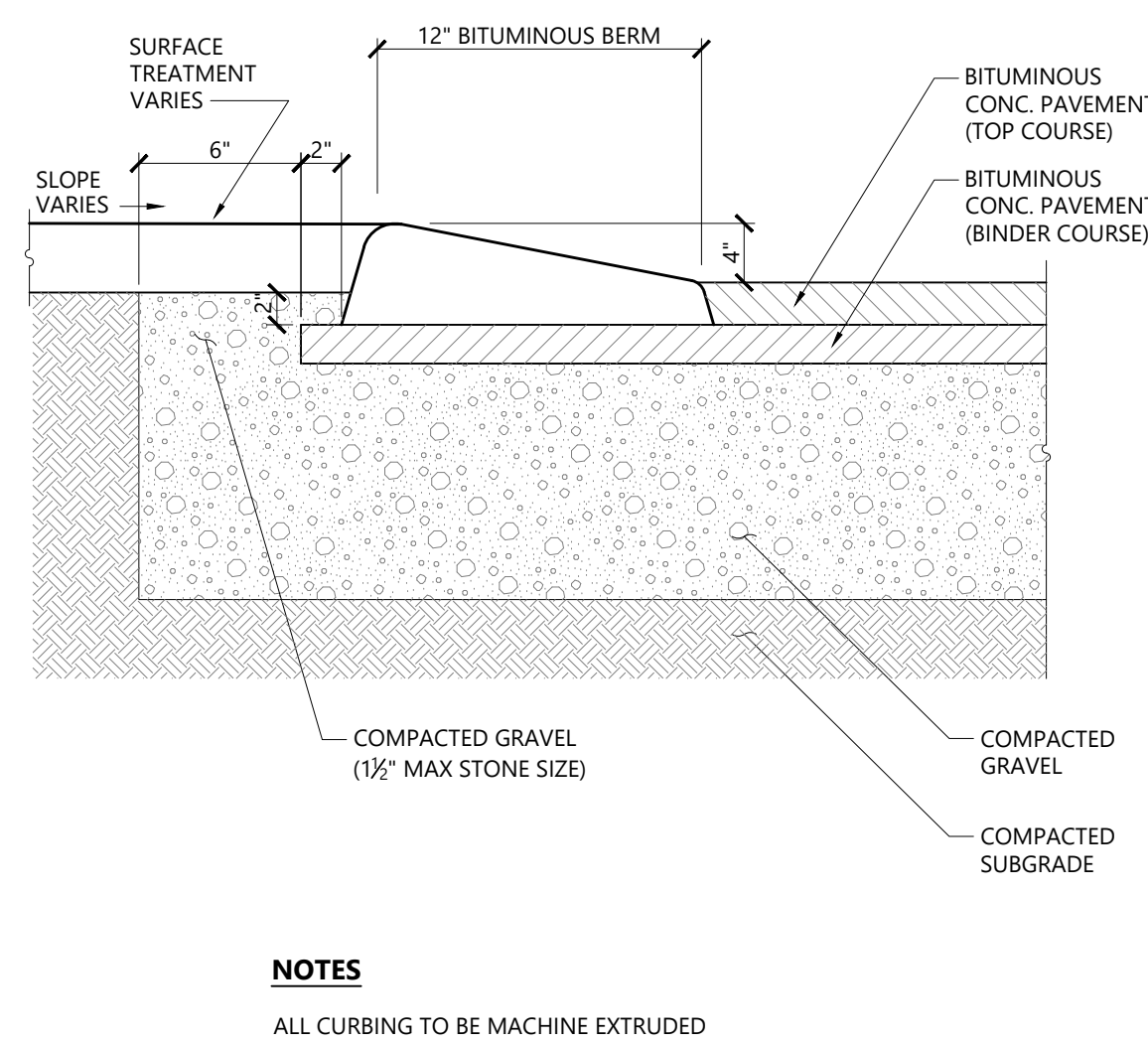


Standard Duty Flexible Pavement 6/23
N.T.S. Source: VHB REV LD_430

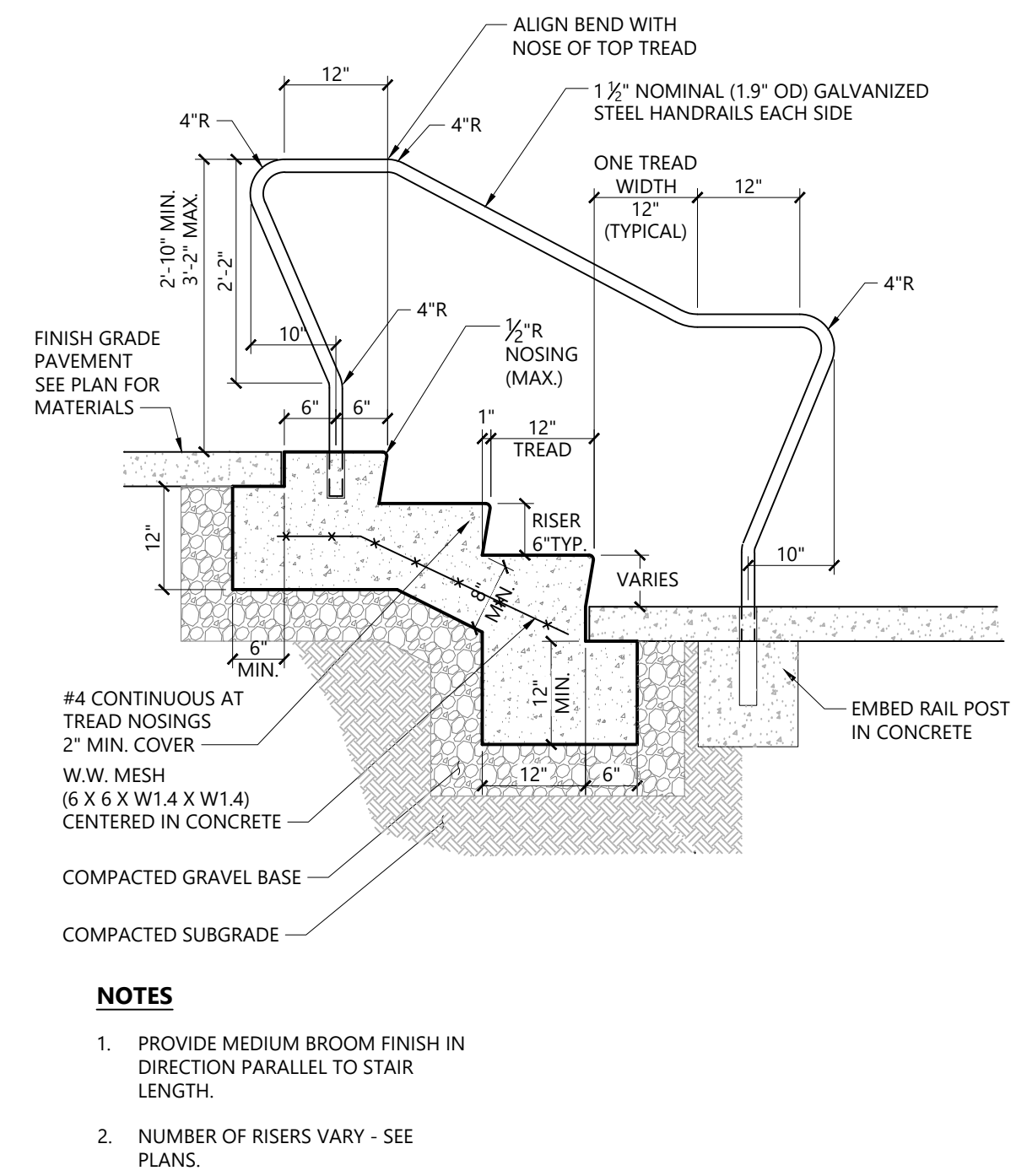


Tree Protection Fence 1/16
N.T.S. Source: VHB LD_610

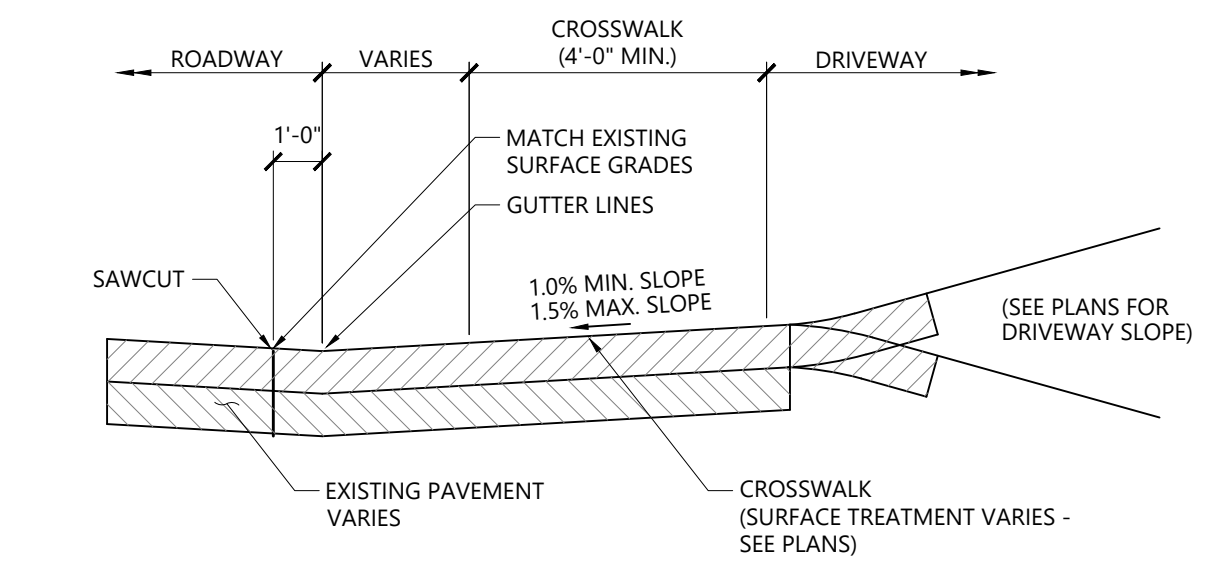
NOTES
1. INSTALL TREE PROTECTION FENCE AT THE DRIP LINE OF EXISTING TREES TO REMAIN.



Bituminous Berm (BB) 1/16
N.T.S. Source: VHB LD_407



Concrete Steps and Sidewalk 2/24
N.T.S. Source: VHB REV LD_766



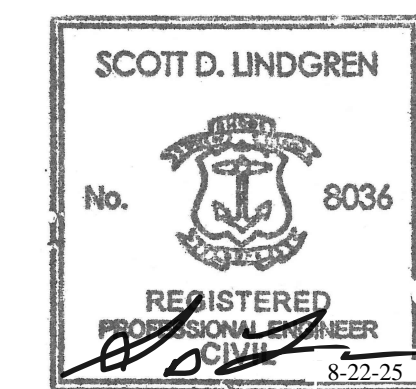
Driveway Entrance Detail 1/16
N.T.S. Source: VHB REV LD_423

**South County Hospital-
Off Site Surface Parking**
11 Kenyon Ave
South Kingstown, RI

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Not Approved for Construction
Drawing Title
Site Details 2
Drawing Number



C5.02
Sheet 6 of 7
Project Number 73605.00



1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100



MC-3500 STORMTECH CHAMBER SPECIFICATIONS

- CHAMBERS SHALL BE STORMTECH MC-3500.
- CHAMBERS SHALL BE ARCH-SHAPED AND SHALL BE MANUFACTURED FROM VIRGIN, IMPACT-MODIFIED POLYPROPYLENE COPOLYMERS.
- CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS" CHAMBER CLASSIFICATION 48x78 DESIGNATION SS.
- CHAMBER ROWS SHALL PROVIDE CONTINUOUS, UNOBSTRUCTED INTERNAL SPACE WITH NO INTERNAL SUPPORTS THAT WOULD IMPEDE FLOW OR LIMIT ACCESS FOR INSPECTION.
- THE STRUCTURAL DESIGN OF THE CHAMBERS, THE STRUCTURAL BACKFILL, AND THE INSTALLATION REQUIREMENTS SHALL ENSURE THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO LIVED BRIDGE DESIGN SPECIFICATIONS, SECTION 12.12, ARE MET FOR: 1) LONG-DURATION DEAD LOADS AND 2) SHORT-DURATION LIVE LOADS, BASED ON THE AASHTO DESIGN TRUCK WITH CONSIDERATION FOR IMPACT AND MULTIPLE EXPOSURES.
- CHAMBERS SHALL BE DESIGNED, TESTED AND ALLOWABLE LOAD CONFIGURATIONS DETERMINED IN ACCORDANCE WITH ASTM F2787, "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS". LOAD CONFIGURATIONS SHALL INCLUDE: 1) INSTANTANEOUS (1 MIN) AASHTO DESIGN TRUCK LIVE LOAD ON MINIMUM COVER 2) MAXIMUM PERMANENT (75-YR) COVER LOAD AND 3) ALLOWABLE COVER WITH PARKED (1-WEEK) AASHTO DESIGN TRUCK.
- REQUIREMENTS FOR HANDLING AND INSTALLATION
 - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LIDS.
 - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 3".
 - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, THE ARCH STIFFNESS CONSTANT SHALL BE GREATER THAN OR EQUAL TO 450 LB/FT². THE ASK IS DEFINED IN SECTION 6.2.8 OF ASTM F2418. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES ABOVE 73° F / 23° C, CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.
- ONLY CHAMBERS THAT ARE APPROVED BY THE SITE DESIGN ENGINEER WILL BE ALLOWED. UPON REQUEST BY THE SITE DESIGN ENGINEER OR OWNER, THE CHAMBER MANUFACTURER SHALL SUBMIT A STRUCTURAL EVALUATION FOR APPROVAL BEFORE DELIVERING CHAMBERS TO THE PROJECT SITE AS FOLLOWS:
 - THE STRUCTURAL EVALUATION SHALL BE SEALED BY A REGISTERED PROFESSIONAL ENGINEER.
 - THE STRUCTURAL EVALUATION SHALL DEMONSTRATE THAT THE SAFETY FACTORS ARE GREATER THAN OR EQUAL TO 1.95 FOR DEAD LOAD AND 1.75 FOR LIVE LOAD. THE MINIMUM REQUIRED BY ASTM F2787 AND BY SECTIONS 3 AND 12.12 OF THE AASHTO LIVED BRIDGE DESIGN SPECIFICATIONS FOR THERMOPLASTIC PIPE.
 - THE TEST DERIVED CREEP MODULUS AS SPECIFIED IN ASTM F2418 SHALL BE USED FOR PERMANENT DEAD LOAD DESIGN EXCEPT THAT IT SHALL BE THE 75-YEAR MODULUS USED FOR DESIGN.
- CHAMBERS AND END CAPS SHALL BE PRODUCED AT AN ISO 9001 CERTIFIED MANUFACTURING FACILITY.

IMPORTANT - NOTES FOR THE BIDDING AND INSTALLATION OF MC-3500 CHAMBER SYSTEM

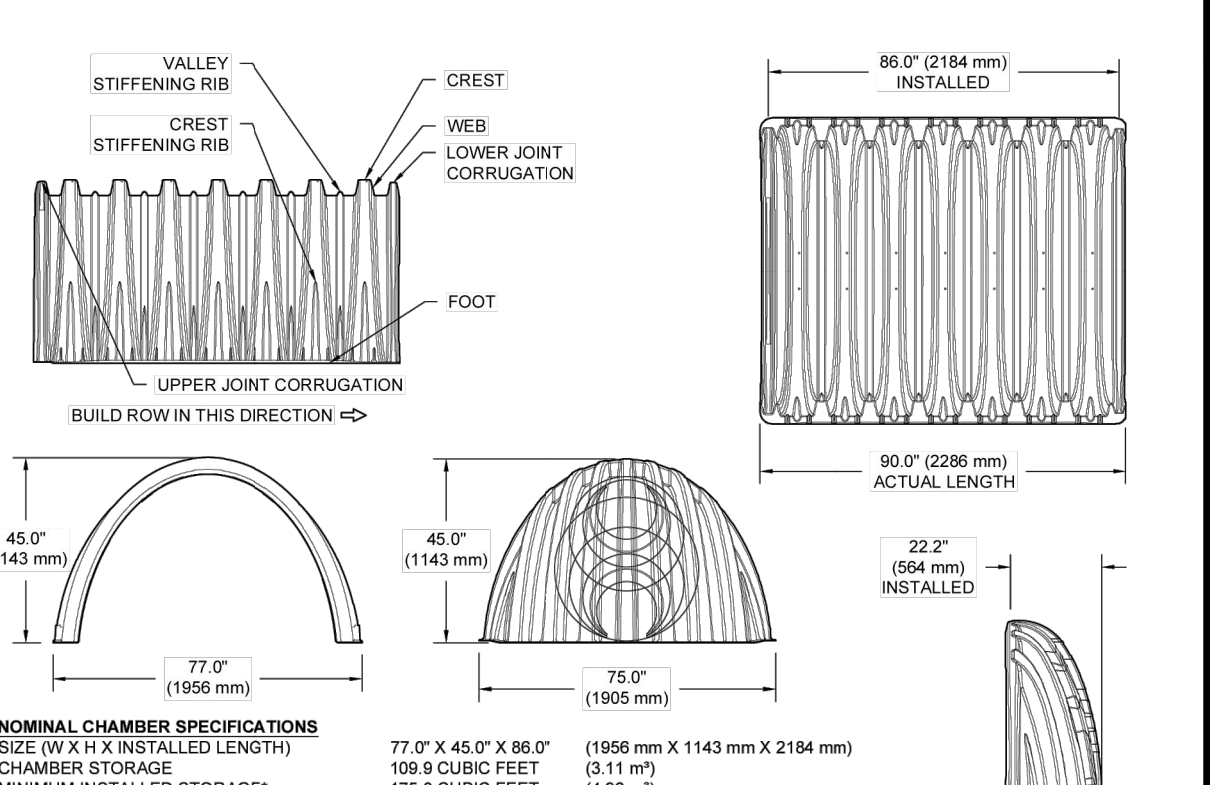
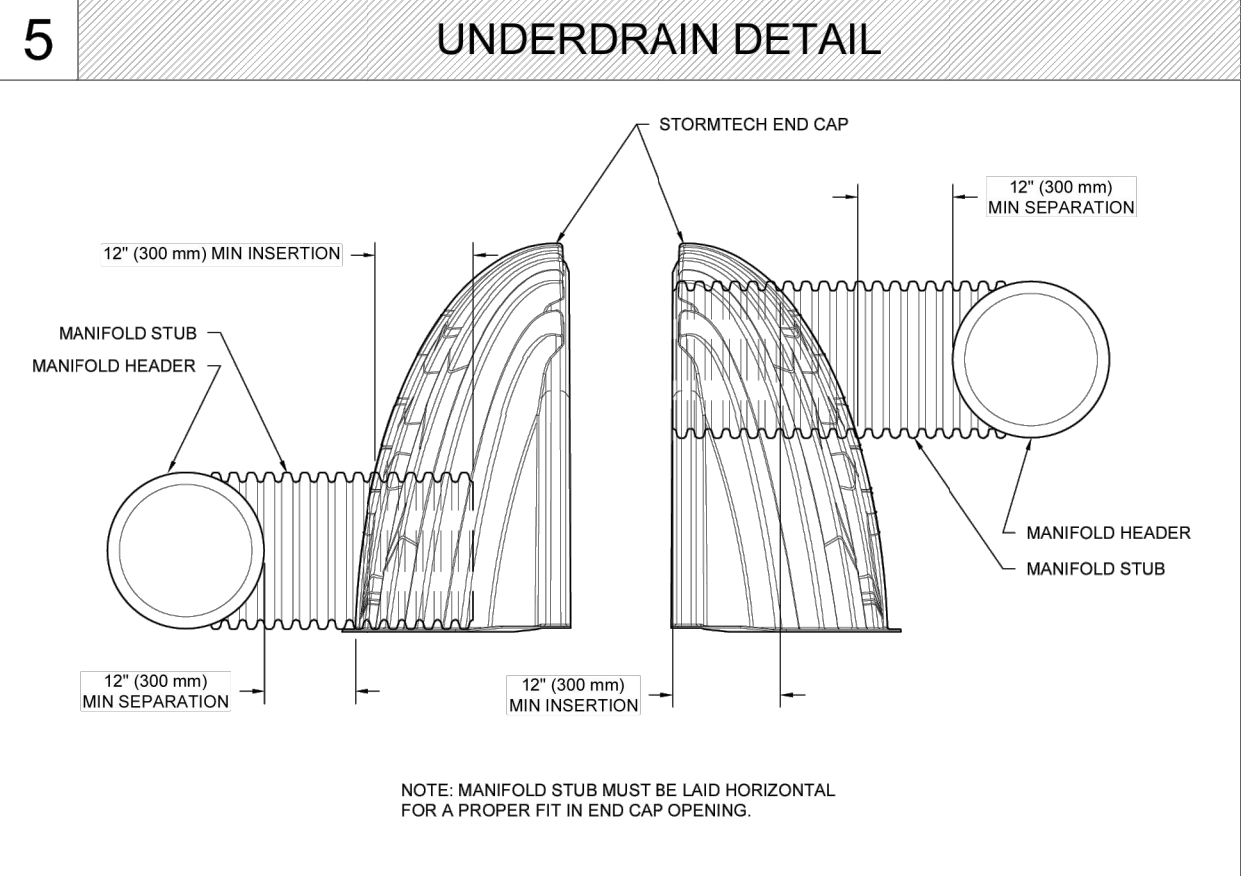
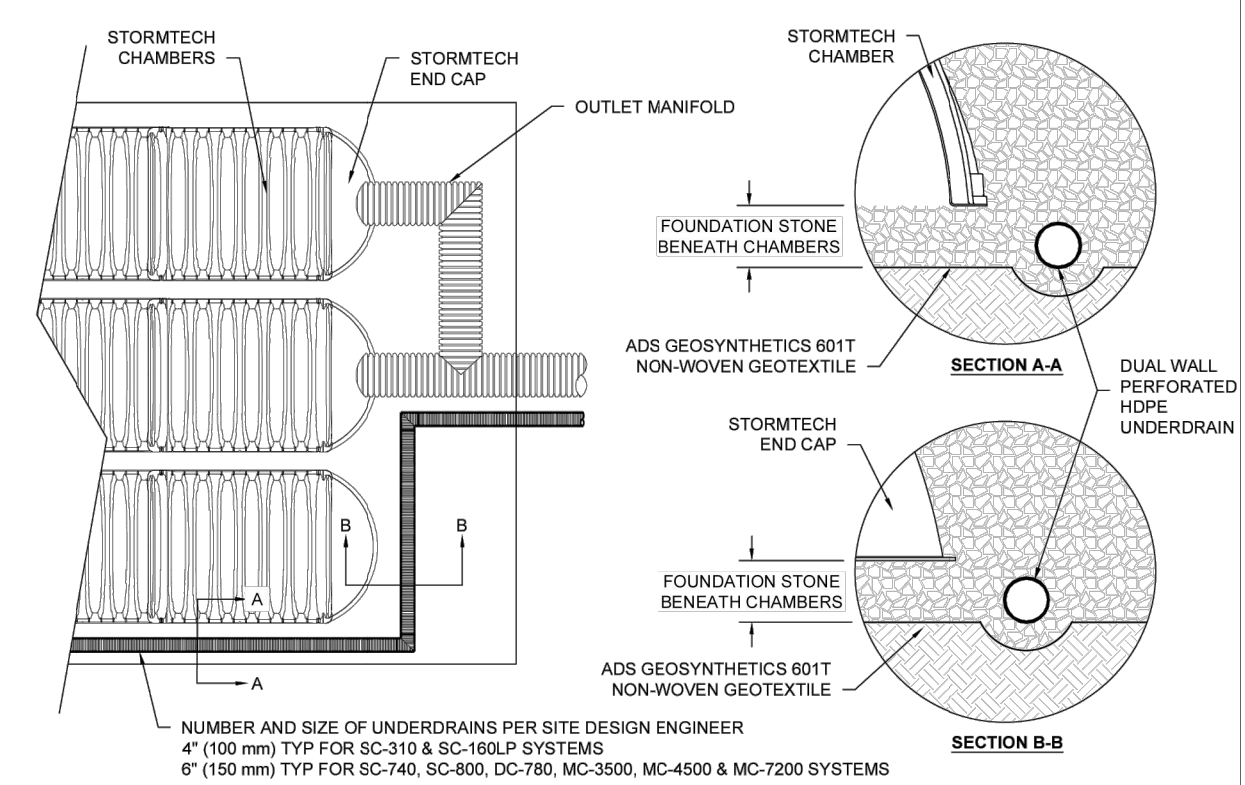
- STORMTECH MC-3500 CHAMBERS SHALL NOT BE INSTALLED UNTIL THE MANUFACTURER'S REPRESENTATIVE HAS COMPLETED A PRE-CONSTRUCTION MEETING WITH THE INSTALLERS.
- STORMTECH MC-3500 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH MC-3500/MC-4500 CONSTRUCTION GUIDE".
- CHAMBERS ARE NOT TO BE BACKFILLED WITH A DOZER OR AN EXCAVATOR SITUATED OVER THE CHAMBERS. STORMTECH RECOMMENDS 3 BACKFILL METHODS:
 - STONE/ROCK LOCATED OFF THE CHAMBER BED.
 - BACKFILL AS ROWS ARE BUILT USING AN EXCAVATOR ON THE FOUNDATION STONE OR SUBGRADE.
 - BACKFILL FROM OUTSIDE THE EXCAVATION USING A LONG BOOM HOE OR EXCAVATOR.
- THE FOUNDATION STONE SHALL BE LEVELLED AND COMPACTED PRIOR TO PLACING CHAMBERS.
- JOINTS BETWEEN CHAMBERS SHALL BE PROPERLY SEATED PRIOR TO PLACING STONE.
- MAINTAIN MINIMUM 6" (152 mm) SPACING BETWEEN THE CHAMBER ROWS.
- INLET AND OUTLET MANIFOLDS MUST BE INSERTED A MINIMUM OF 12" (305 mm) INTO CHAMBER END CAPS.
- EMBEDMENT STONE SURROUNDING CHAMBERS MUST BE A CLEAN, CRUSHED, ANGULAR STONE MEETING THE AASHTO M43 DESIGNATION OF #3 OR #4.
- STONE MUST BE PLACED ON THE TOP CENTER OF THE CHAMBER TO ANCHOR THE CHAMBERS IN PLACE AND PRESERVE ROW SPACING.
- THE CONTRACTOR MUST REPORT ANY DISCREPANCIES WITH CHAMBER FOUNDATION MATERIALS BEARING CAPACITIES TO THE SITE DESIGN ENGINEER.
- ADS RECOMMENDS THE USE OF "FLEXSTORM CATCH IT" INSERTS DURING CONSTRUCTION FOR ALL INLETS TO PROTECT THE SUBSURFACE STORMWATER MANAGEMENT SYSTEM FROM CONSTRUCTION SITE RUNOFF.

NOTES FOR CONSTRUCTION EQUIPMENT

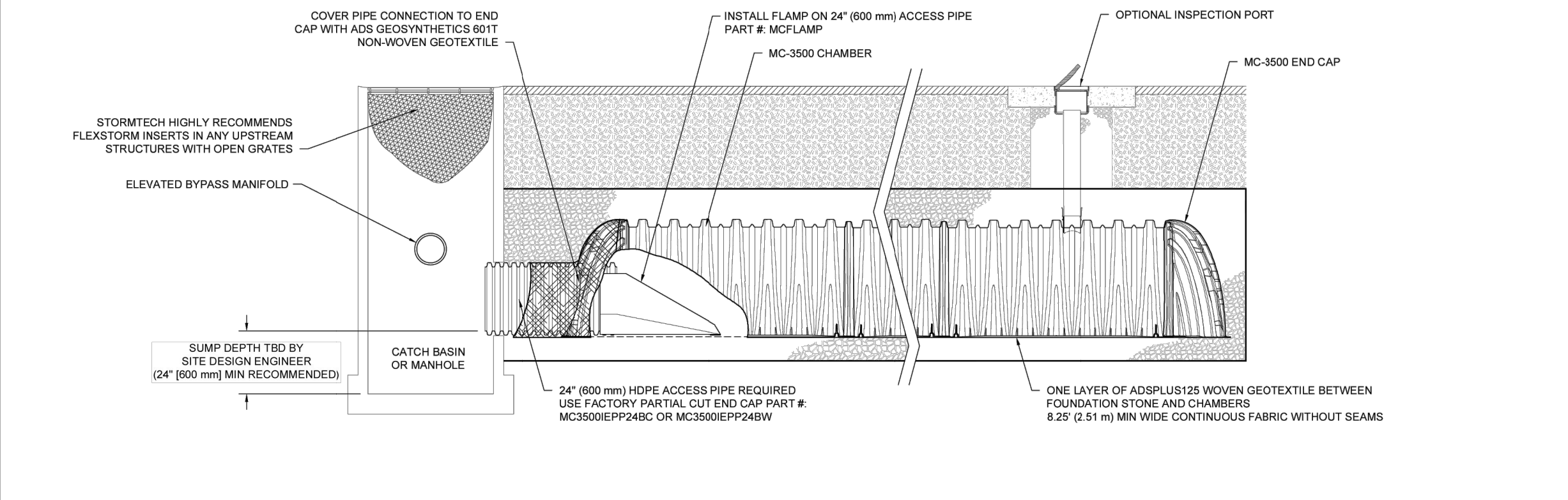
- STORMTECH MC-3500 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH MC-3500/MC-4500 CONSTRUCTION GUIDE".
- THE USE OF EQUIPMENT OVER MC-3500 CHAMBERS IS LIMITED:
 - NO RUBBER Tired LOADER, DUMP TRUCK, OR EXCAVATORS ARE ALLOWED UNTIL PROPER FILL DEPTHS ARE REACHED IN ACCORDANCE WITH THE "STORMTECH MC-3500/MC-4500 CONSTRUCTION GUIDE".
 - WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT CAN BE FOUND IN THE "STORMTECH MC-3500/MC-4500 CONSTRUCTION GUIDE".
- FULL 30" (900 mm) OF STABILIZED COVER MATERIALS OVER THE CHAMBERS IS REQUIRED FOR DUMP TRUCK TRAVEL OR DUMPING.

USE OF A DOZER TO PUSH EMBEDMENT STONE BETWEEN THE ROWS OF CHAMBERS MAY CAUSE DAMAGE TO CHAMBERS AND IS NOT AN ACCEPTABLE BACKFILL METHOD. ANY CHAMBERS DAMAGED BY USING THE "DUMP AND PUSH" METHOD ARE NOT COVERED UNDER THE STORMTECH STANDARD WARRANTY.

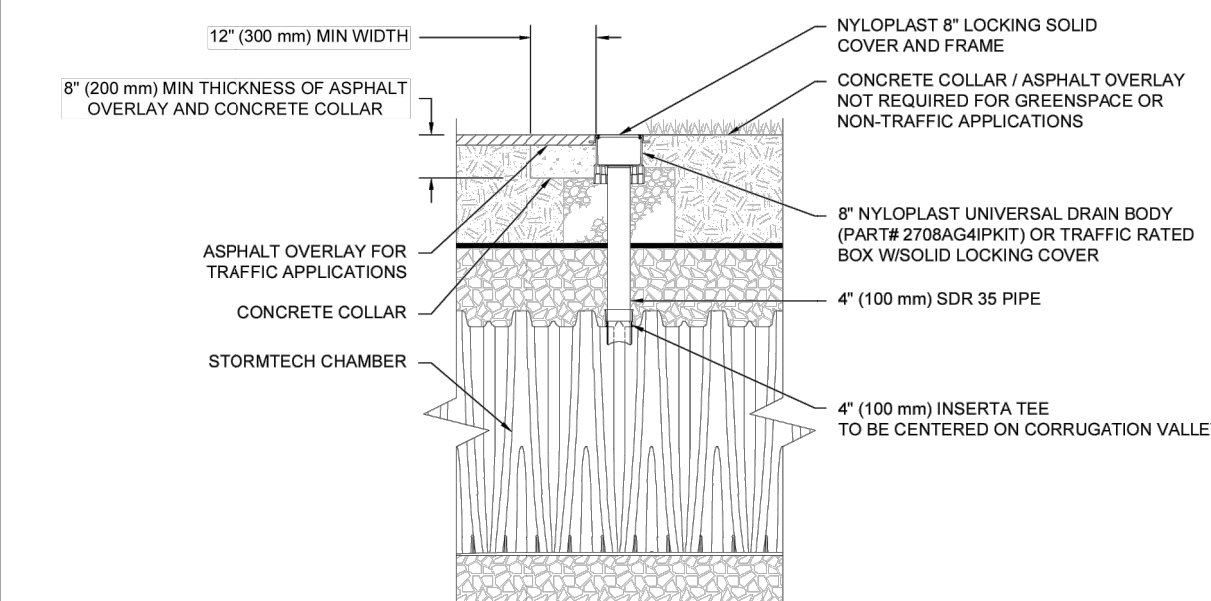
CONTACT STORMTECH AT 1-888-862-2884 WITH ANY QUESTIONS ON INSTALLATION REQUIREMENTS OR WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT.



PART #	STUB	B	C
MC3500EPP06T	6" (152 mm)	33.21" (844 mm)	0.66" (17 mm)
MC3500EPP06B	8" (203 mm)	31.16" (791 mm)	---
MC3500EPP08T	8" (203 mm)	29.04" (738 mm)	0.81" (21 mm)
MC3500EPP10T	10" (254 mm)	---	---
MC3500EPP10B	10" (254 mm)	26.36" (670 mm)	1.35" (34 mm)
MC3500EPP12T	12" (305 mm)	---	---
MC3500EPP12B	12" (305 mm)	23.36" (594 mm)	1.50" (38 mm)
MC3500EPP15T	15" (375 mm)	---	---
MC3500EPP15B	15" (375 mm)	20.03" (508 mm)	1.77" (45 mm)
MC3500EPP18T	18" (457 mm)	---	---
MC3500EPP18B	18" (457 mm)	14.48" (368 mm)	---
MC3500EPP24T	24" (603 mm)	---	---
MC3500EPP24B	24" (603 mm)	---	---
MC3500EPP30B	30" (762 mm)	---	---



MC-3500 ISOLATOR ROW PLUS DETAIL

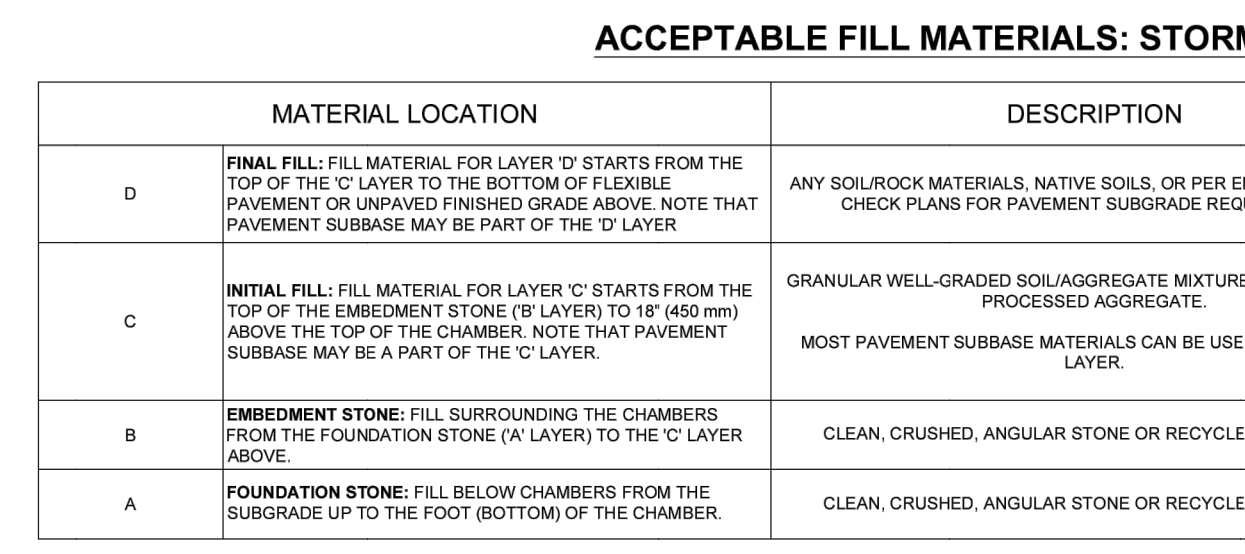


- #### INSPECTION & MAINTENANCE
- STEP 1) INSPECT ISOLATOR ROW PLUS FOR SEDIMENT
- INSPECTION PORTS (IF PRESENT)
 - REMOVE OPEN LID ON NYLOPLAST INLINE DRAIN
 - REMOVE AND CLEAN FLEXSTORM FILTER IF INSTALLED
 - USING A FLASHLIGHT AND STADA ROD, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE LOG
 - LOWER A CAMERA INTO ISOLATOR ROW PLUS FOR VISUAL INSPECTION OF SEDIMENT LEVELS (OPTIONAL)
 - IF SEDIMENT IS AT OR ABOVE 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
- B. ALL ISOLATOR PLUS ROWS
- REMOVE COVER FROM STRUCTURE AT UPSTREAM END OF ISOLATOR ROW PLUS
 - USING A FLASHLIGHT, INSPECT DOWN THE ISOLATOR ROW PLUS THROUGH OUTLET PIPE
 - MIRRORS ON POLES OR CAMERAS MAY BE USED TO AVOID A CONFINED SPACE ENTRY
 - FOLLOW OSHA REGULATIONS FOR CONFINED SPACE ENTRY IF ENTERING MANHOLE
 - IF SEDIMENT IS AT OR ABOVE 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
- STEP 2) CLEAN OUT ISOLATOR ROW PLUS USING THE JETVAC PROCESS
- A FIXED CULVERT CLEANING NOZZLE WITH REAR FACING SPREAD OF 45° (1.1 m) OR MORE IS PREFERRED
 - APPLY MULTIPLE PASSES OF JETVAC UNTIL BACKFILL/WATER IS CLEAN
 - VACUUM STRUCTURE SUMP AS REQUIRED
- STEP 3) REPLACE ALL COVERS, GRATES, FILTERS, AND LIDS, RECORD OBSERVATIONS AND ACTIONS.
- STEP 4) INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE STORMTECH SYSTEM.

NOTES

- INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION. ADJUST THE INSPECTION INTERVAL BASED ON PREVIOUS OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH WATER ELEVATIONS.
- CONDUCT JETTING AND VACTORING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY.

MC-SERIES END CAP INSERTION DETAIL



ACCEPTABLE FILL MATERIALS: STORMTECH MC-3500 CHAMBER SYSTEMS

MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	FINAL FILL: FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER.	ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS.	N/A
C	INITIAL FILL: FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE (6" LAYER) TO 18" (457 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	GRANULAR WELL-GRADED SOLA/AGGREGATE MIXTURES, <35% FINES OR PROCESSED AGGREGATE. MOST PAVEMENT SUBBASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER.	AASHTO M145 ¹ A-1, A-2, A-3 OR AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10
B	EMBEDMENT STONE: FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETE ²	AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57
A	FOUNDATION STONE: FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETE ²	AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57

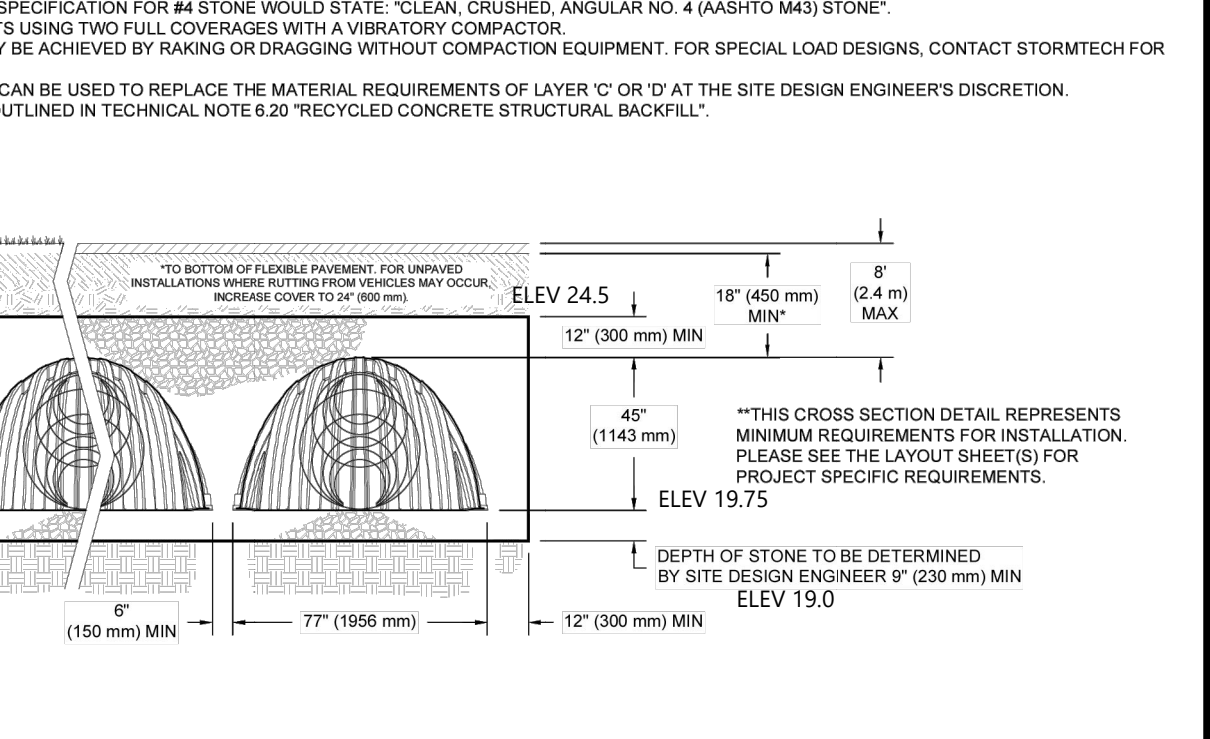
NOTES:

- CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS" CHAMBER CLASSIFICATION 48x78 DESIGNATION SS.
- MC-3500 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING CAPACITY OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.
- PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
- REQUIREMENTS FOR HANDLING AND INSTALLATION
 - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LIDS.
 - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 3".
 - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, THE ARCH STIFFNESS CONSTANT AS DEFINED IN SECTION 6.2.8 OF ASTM F2418 SHALL BE GREATER THAN OR EQUAL TO 500 LB/FT².
 - AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.

MC-3500 TECHNICAL SPECIFICATIONS

PLEASE NOTE:

- THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".
- STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 6" (200 mm) MAX LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
- WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY BRAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.
- ONCE LAYER 'C' IS PLACED, ANY SOLMATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.
- WHERE RECYCLED CONCRETE AGGREGATE IS USED IN LAYERS 'A' OR 'B' THE MATERIAL SHOULD ALSO MEET THE ACCEPTABILITY CRITERIA OUTLINED IN TECHNICAL NOTE 6.20 "RECYCLED CONCRETE STRUCTURAL BACKFILL".



MC-3500 CROSS SECTION DETAIL

DATE: 01/10/24
PROJECT NO.:
DRAWN: JLM
REVIEWED: JLM
REVISIONS:
NOT TO SCALE

MC-3500 STANDARD DETAILS

SHEET 1

South County Hospital- Off Site Surface Parking

11 Kenyon Ave
South Kingstown, RI

No.	Revision	Date	Appr.

Designed by ED
Checked by JR
Issued for Permits
Date August 1, 2025

Not Approved for Construction

Site Details 3

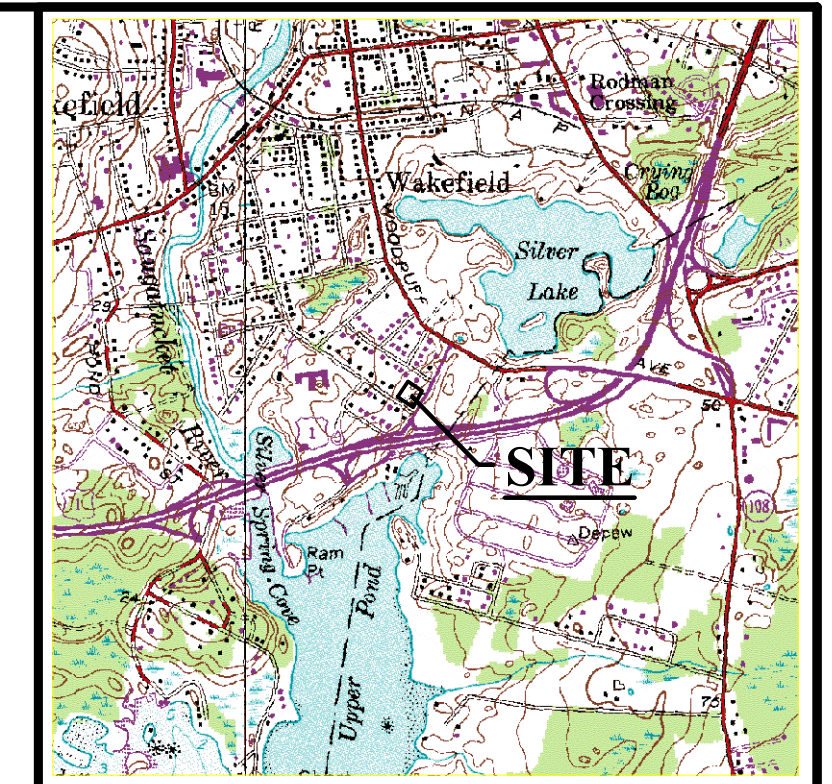
Drawing Number

C5.03

Sheet 7 of 7

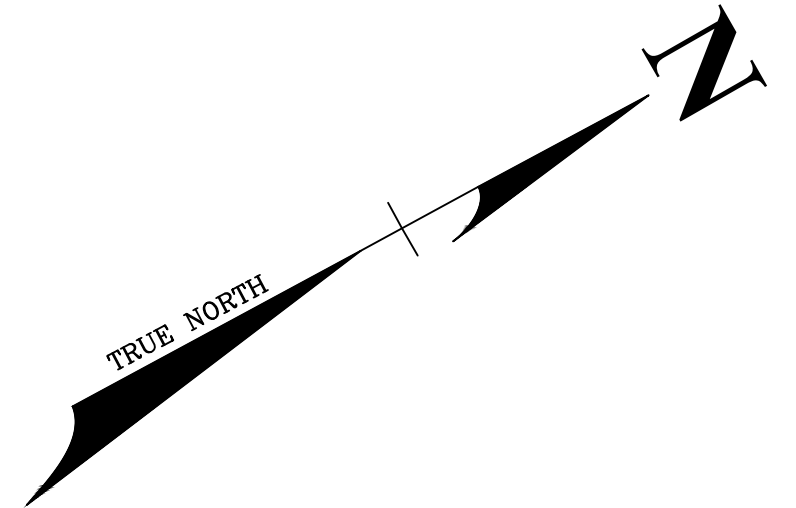
SCOTT D. LINDGREN
No. 8036
REGISTERED PROFESSIONAL ENGINEER
No. 3-72-24

Project Number 73605.00



LOCATION MAP USGS QUADRANGLE Approx. Scale 1" = 2,000'

STREET INDEX SALT POND ROAD (Town Road) KENYON AVENUE (Town Road)



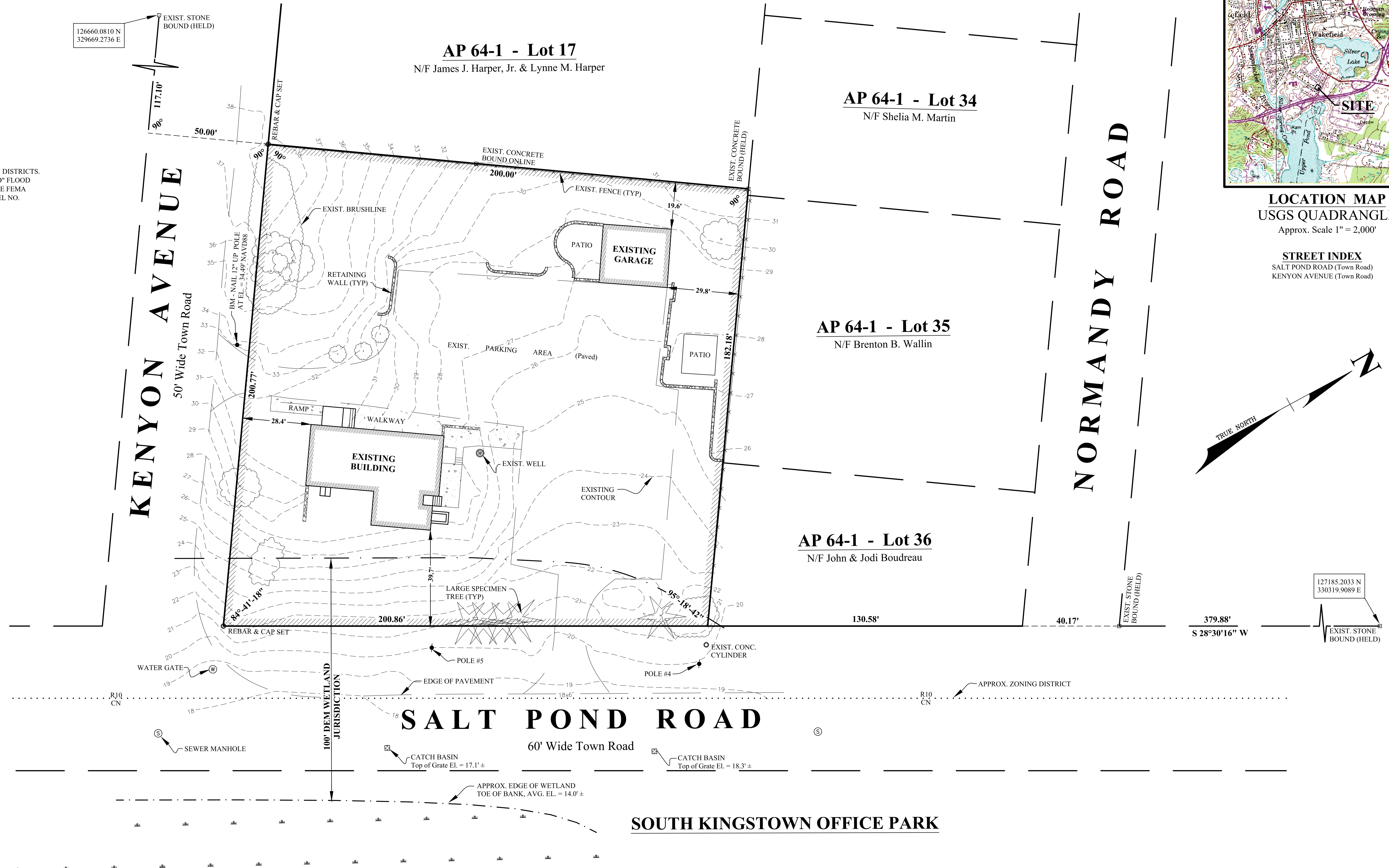
AP 64-1 - Lot 17 N/F James J. Harper, Jr. & Lynne M. Harper

AP 64-1 - Lot 34 N/F Shelia M. Martin

AP 64-1 - Lot 35 N/F Brenton B. Wallin

AP 64-1 - Lot 36 N/F John & Jodi Boudreau

- NOTES:**
- TOTAL PARCEL AREA = 38,295 sq. ft.
 - ZONING CLASSIFICATION IS A R-10 RESIDENTIAL ZONE.
 - BUILDING SETBACKS ARE:
Front = 25', Corner Side = 20', Side = 10', Rear = 30'
 - THIS PARCEL IS NOT LOCATED IN ANY TOWN OVERLAY DISTRICTS.
 - THIS PARCEL IS PARTIALLY LOCATED IN AN "X SHADED" FLOOD ZONE ALONG SALT POND ROAD AS DESIGNATED ON THE FEMA FLOOD INSURANCE RATE MAPS. SEE COMMUNITY PANEL NO. 44009C0211J.



- REFERENCES:**
- PLAT RECORDED IN THE SOUTH KINGSTOWN LAND EVIDENCE RECORDS IN PLAT BOOK 3 PAGE 254 ENTITLED: Plat No. 1 Land of South Kingstown Town Farm Lying North & East of Kenyon Avenue. Scale 1"=100', Earl C. Whaley, Surveyor July 1917.
 - PLAT RECORDED IN THE SOUTH KINGSTOWN LAND EVIDENCE RECORDS IN PLAT BOOK 10 PAGE 685E ENTITLED: Meadowlands, property of Roland e. Beauregard, surveyed and platted, February 1948, Leon L. Holland, Civil Eng'r., Scale 1" = 40'

SURVEY CERTIFICATION:
 This survey has been conducted and the plan has been prepared pursuant to 435-RICR-00-00-1.9 of the rules and regulations adopted by the Rhode Island State Board of Registration for professional land surveyors on November 25, 2015 as follows:
 LIMITED CONTENT BOUNDARY SURVEY: CLASS I
 DATA ACCUMULATION SURVEY: CLASS III
 TOPOGRAPHIC SURVEY ACCURACY: T-2

The purpose for the conduct of the survey and for the preparation of the plan is as follows: To produce a perimeter survey plan and existing conditions plan for zoning and planning purposes.

Charee M. Jackson
 Charee M. Jackson, PLS Date 2/19/25
 RI PLS NO. 2543 RI Certificate of Authorization NO. A255



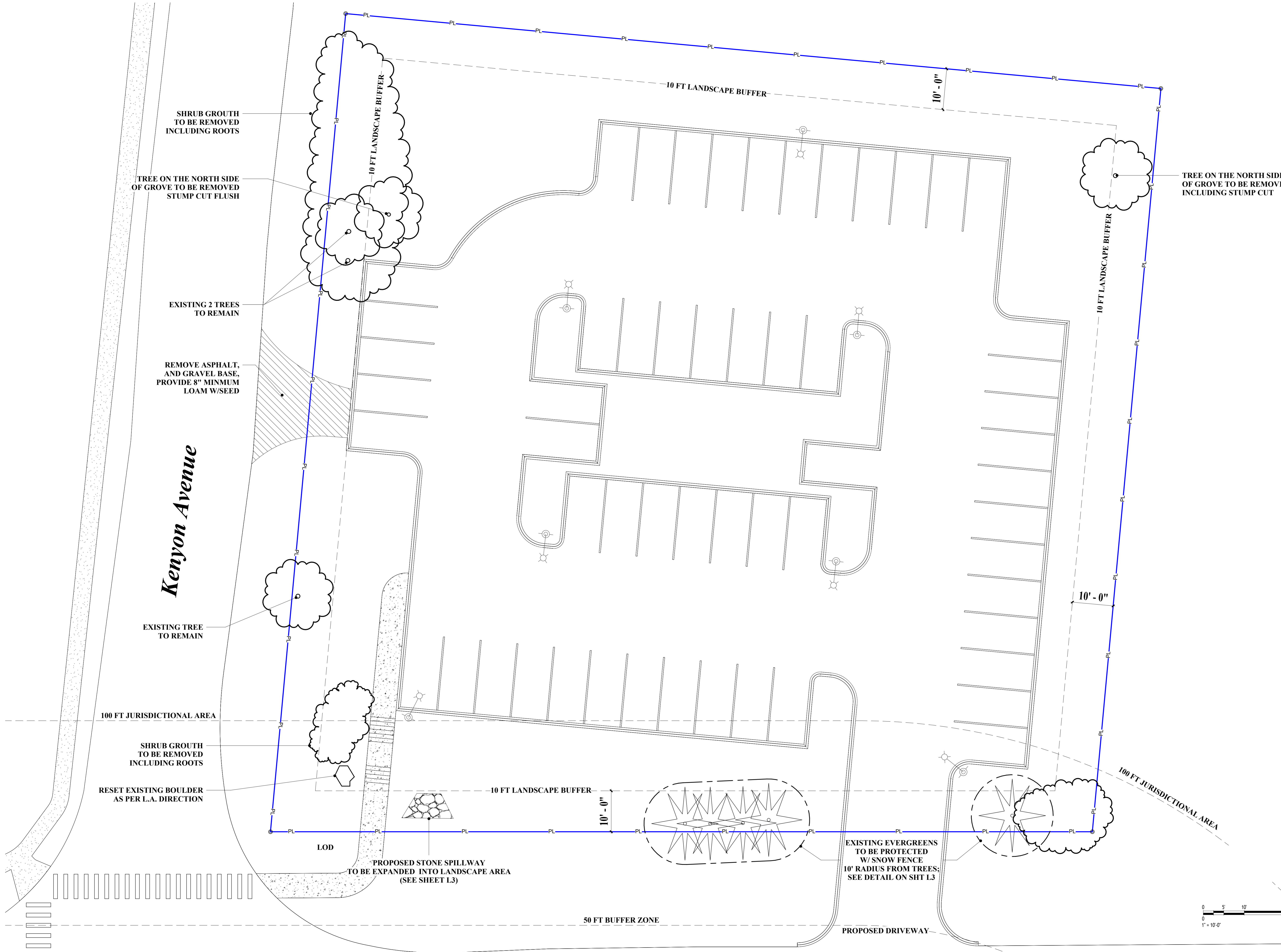
PROPERTY OWNER:
 SHEIL HOLDINGS, LLC.,
 C/O John Sheil
 52 Exeter Boulevard
 Narragansett, RI 02882

PERIMETER SURVEY & EXISTING CONDITIONS PLAN FOR Lot 16, AP 64-1, 11 Kenyon Avenue IN THE TOWN OF SOUTH KINGSTOWN, RI SURVEYED & PLATTED FOR SOUTH COUNTY HOSPITAL HEALTHCARE SYSTEM
 C/O ANDREW PRESCOTT, 100 KENYON AVENUE, WAKEFIELD, RI 02879
FEBRUARY 2025
 SCALE: 1"= 20' SHEET 1 OF 1

JACKSON SURVEYING, Inc.
 SURVEYING & ENGINEERING

P.O. BOX 454 CHARLESTOWN, RI 02813 PH: (401) 364-3130

PLOT CREATED: 8/21/2025 11:13:42 AM

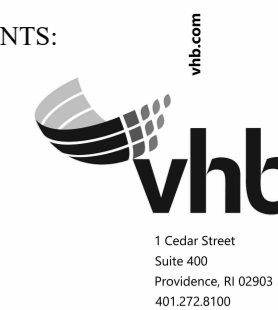


REVISIONS:

NO	DATE	DESCRIPTION
1	07/30/2025	SUBMITTAL
2	08/21/2025	REVISION 1

PLOT CREATED: 8/21/2025 11:13:43 AM

CONSULTANTS:



PREPARED FOR:
SOUTH COUNTY HEALTH
MOST TRUSTED HEALTH PARTNER

100 KENYON AVE,
WAKEFIELD, RI 02879

PROJECT NAME:

**KENYON AVE
PARKING LOT**

PROJECT LOCATION:

**11 KENYON AVE,
SOUTH KINGSTOWN,
RI 02879**

ISSUED DATE:

07/30/2025

PROJECT NO.:

2405

REGISTRATIONS:



REVISIONS:

NO	DATE	DESCRIPTION
1	07/30/2025	SUBMITTAL
2	08/21/2025	REVISION 1

PROJECT STATUS:

**DESIGN
DEVELOPMENT**

SHEET TITLE:

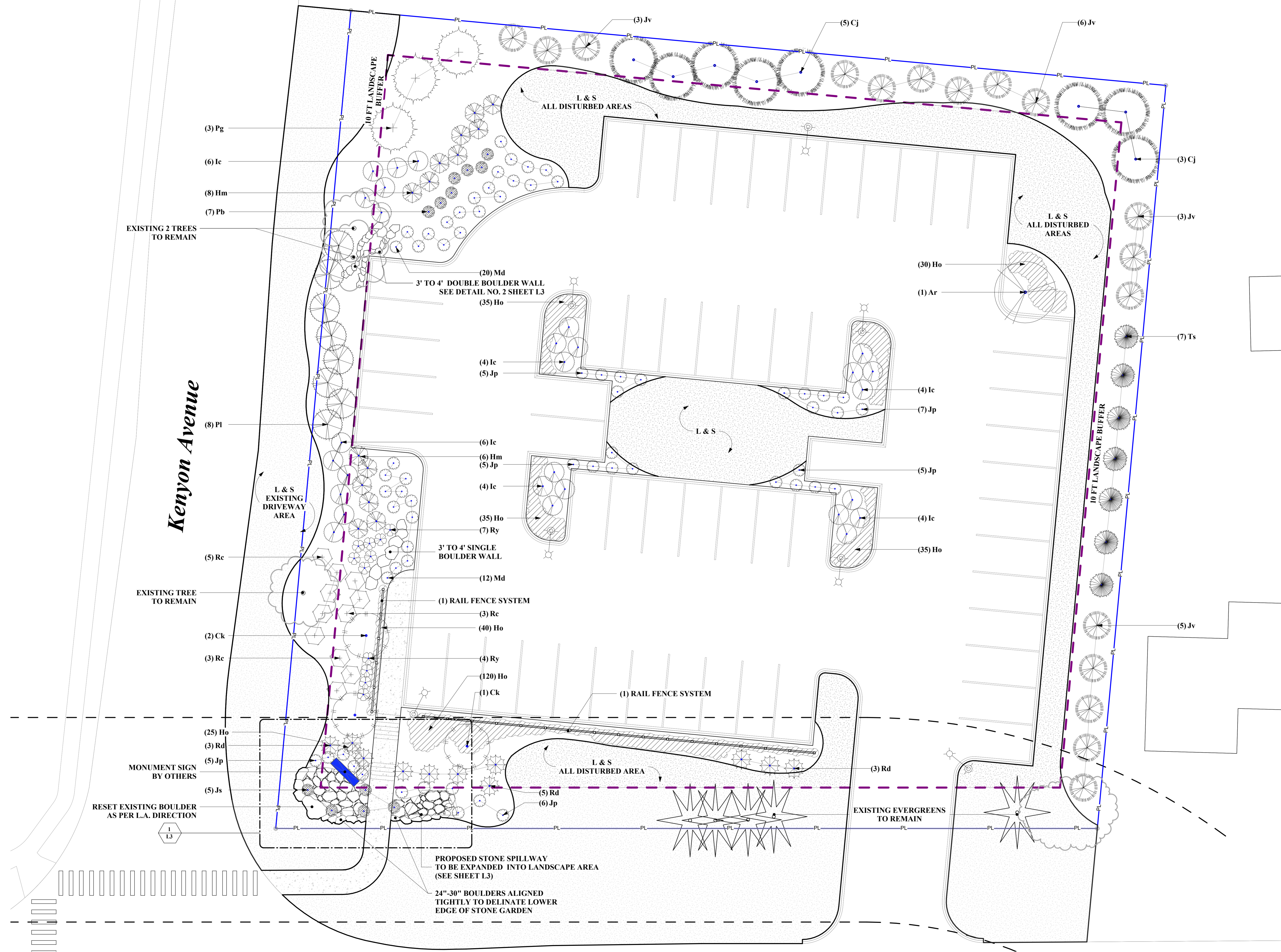
**PRELIMINARY
PLANTING PLAN**

DRAWING NO.:

L2

PREPARED BY:

**DON LEIGHTON
DESIGN**



Kenyon Avenue

EXISTING 2 TREES TO REMAIN

EXISTING TREE TO REMAIN

MONUMENT SIGN BY OTHERS

RESET EXISTING BOULDER AS PER L.A. DIRECTION

L3

PROPOSED STONE SPILLWAY TO BE EXPANDED INTO LANDSCAPE AREA (SEE SHEET L3)

24"-30" BOULDERS ALIGNED TIGHTLY TO DELINEATE LOWER EDGE OF STONE GARDEN

3' TO 4' DOUBLE BOULDER WALL SEE DETAIL NO. 2 SHEET L3

3' TO 4' SINGLE BOULDER WALL

L & S

L & S ALL DISTURBED AREAS

L & S ALL DISTURBED AREAS

10 FT LANDSCAPE BUFFER

L & S ALL DISTURBED AREA

EXISTING EVERGREENS TO REMAIN

(3) Pg

(6) Ic

(8) Hm

(7) Pb

(8) Pl

(5) Rc

(2) Ck

(3) Rc

(25) Ho

(3) Rd

(5) Jp

(5) Js

(20) Md

(35) Ho

(4) Ic

(5) Jp

(6) Ic

(6) Hm

(5) Jp

(4) Ic

(35) Ho

(7) Ry

(12) Md

(1) RAIL FENCE SYSTEM

(3) Rc

(40) Ho

(4) Ry

(120) Ho

(1) Ck

(5) Rd

(6) Jp

(3) Jv

(5) Cj

(6) Jv

(3) Cj

(3) Jv

(7) Ts

(30) Ho

(1) Ar

(4) Ic

(7) Jp

(5) Jp

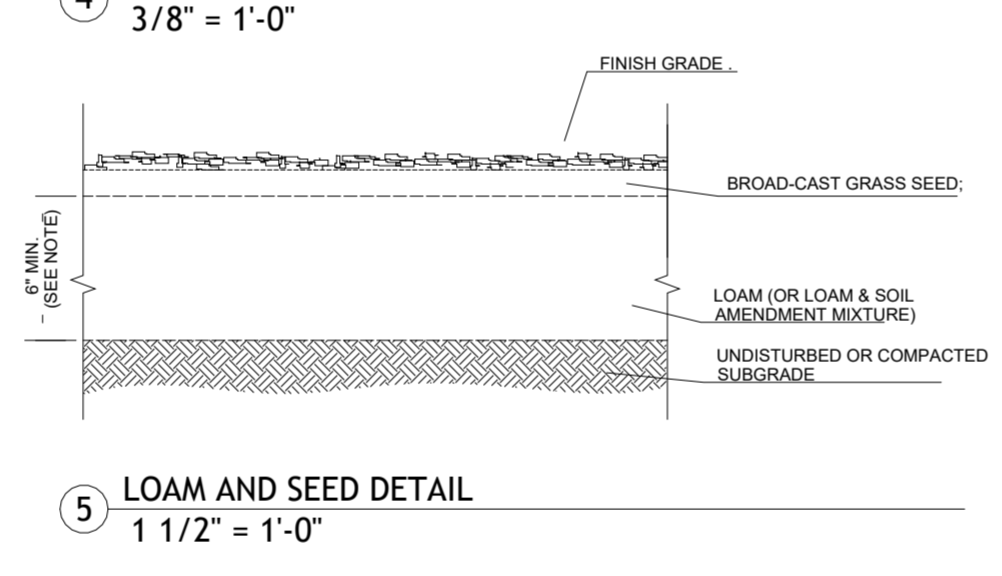
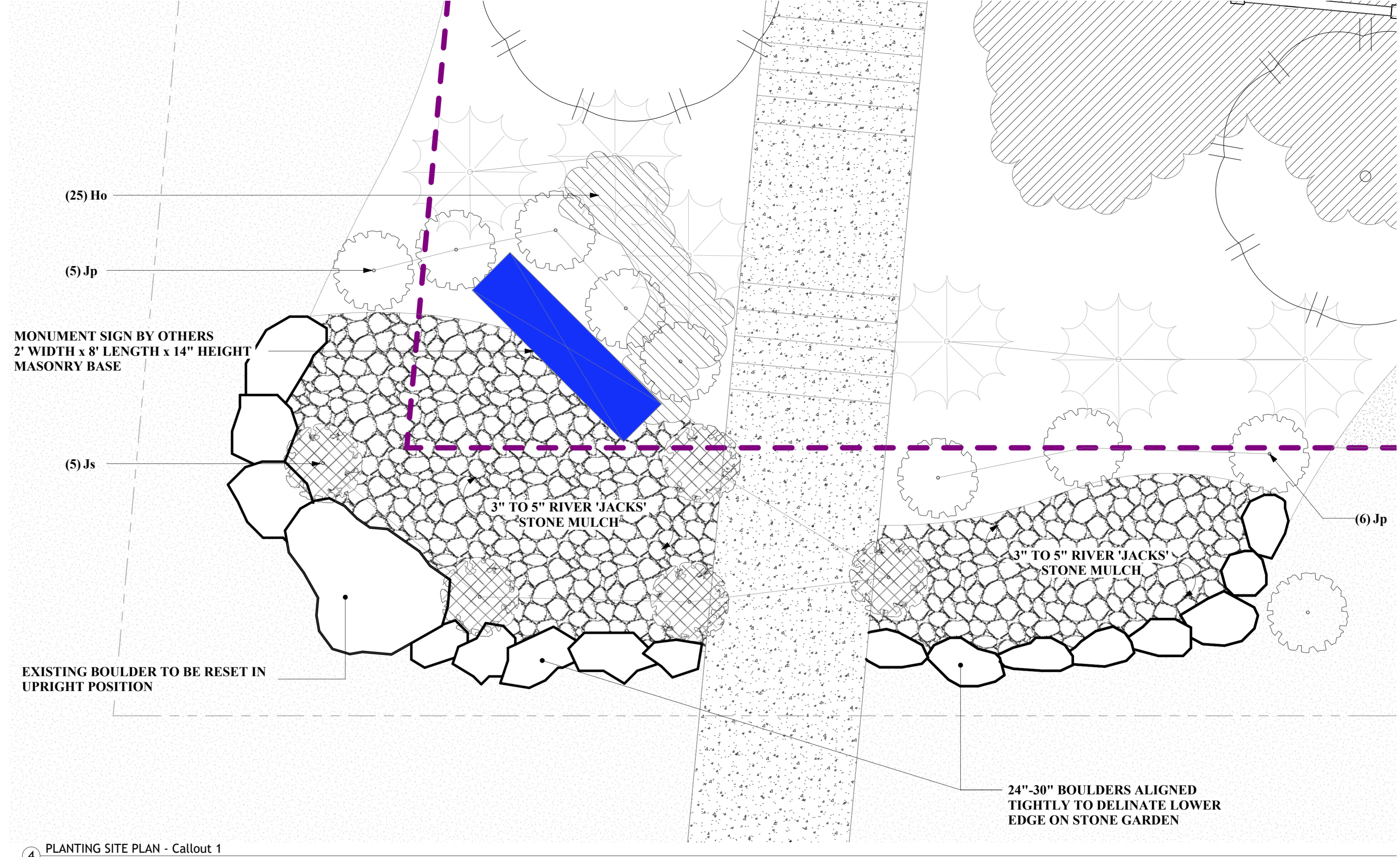
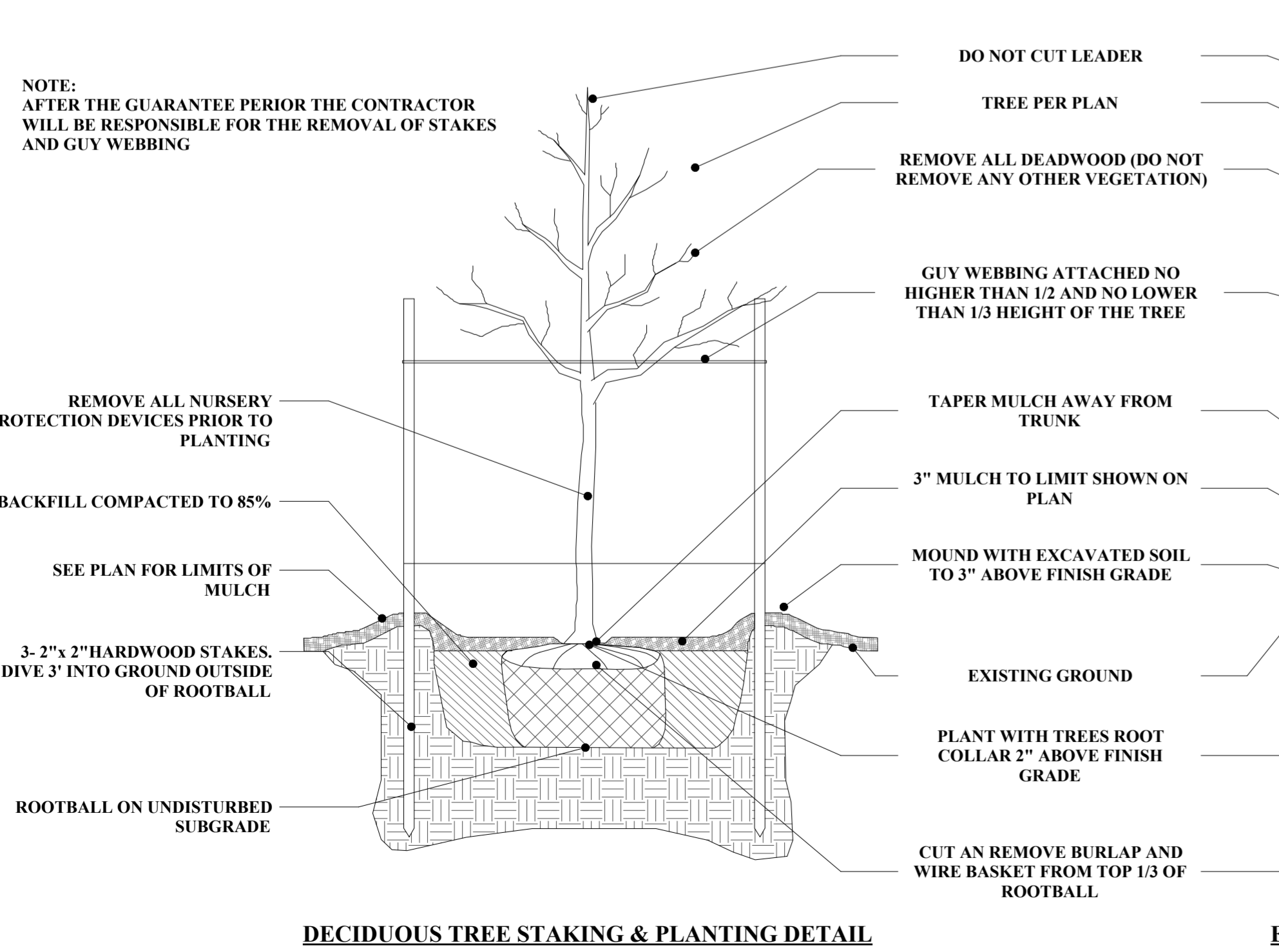
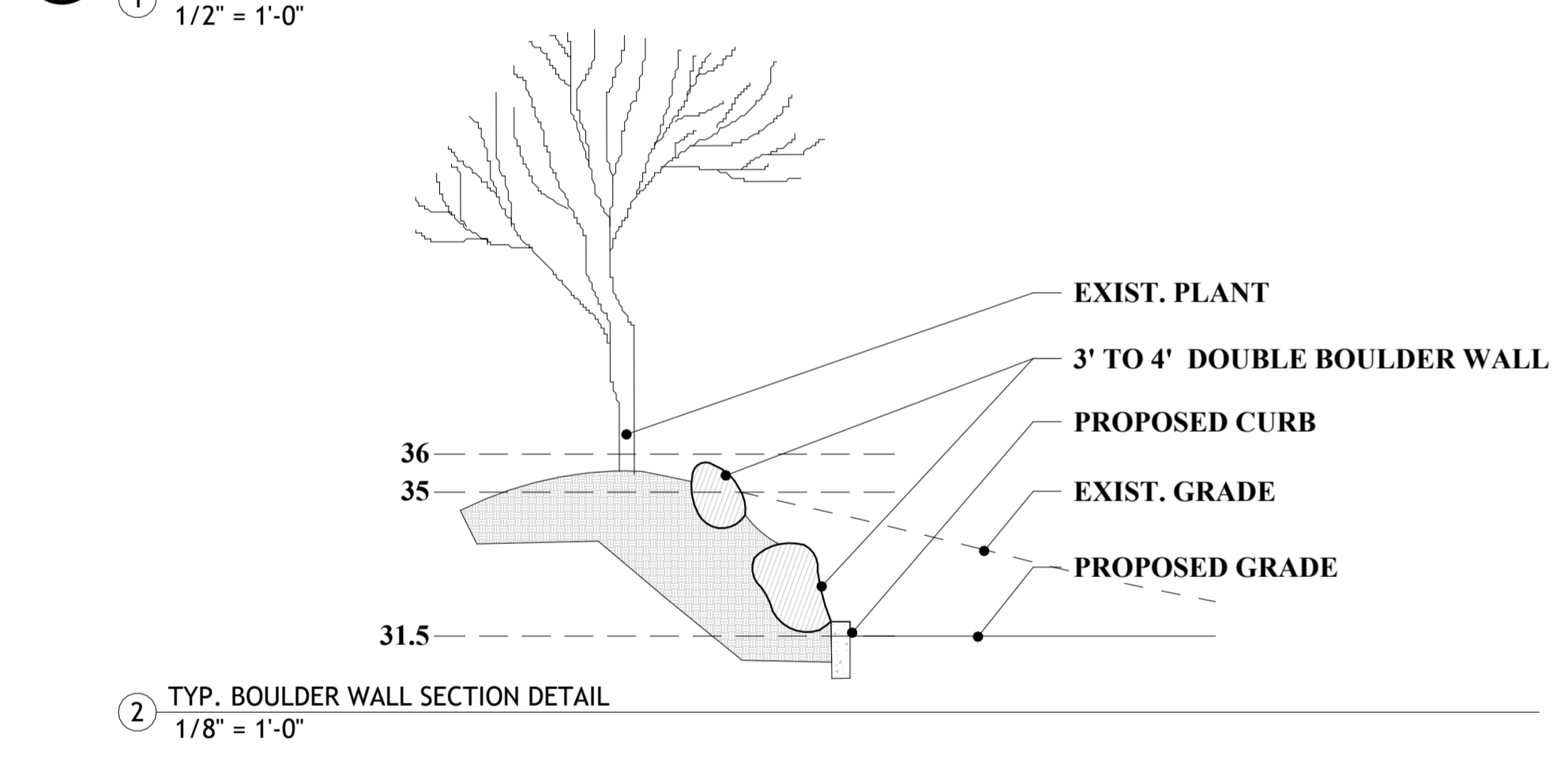
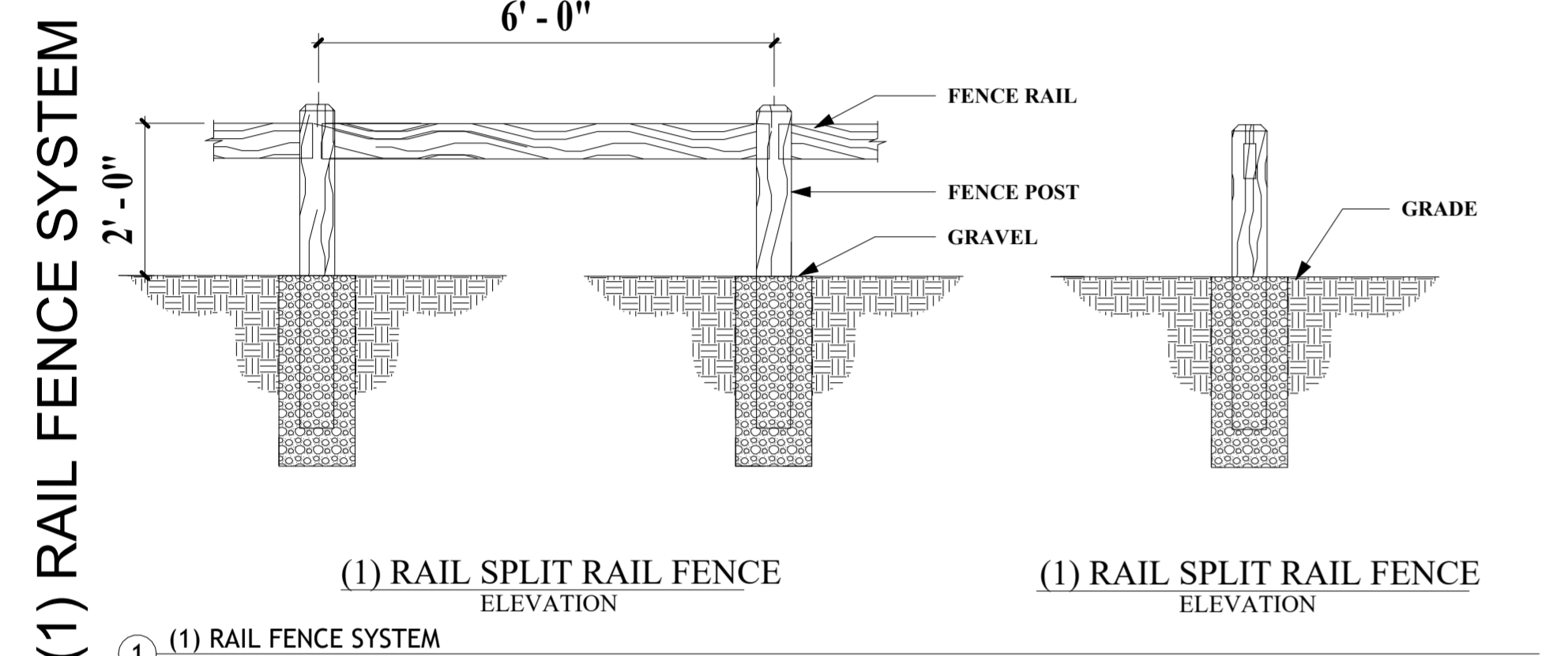
(4) Ic

(35) Ho

(5) Jv

(3) Rd

Plant Schedule				
Plant Code	Botanical Name	Common Name	Size	Count
Ar	Acer rubrum 'October Glory'	October Glory Red Maple	3"-3 1/2" CAL.	1
Cj	Cryptomeria japonica 'Yoshino'	Yoshino Japanese Cedar	12'-14'	8
Ck	Cornus Kousa 'Rutpink'	Scarlet Fire® Kousa Dogwood	2 1/2"-3" CAL.	3
Hm	Hydrangea macrophylla 'Bailmer'	Endless Summer® The Original Hydrangea	5 gal.	14
Ho	Hemerocallis x 'Stella de Oro'	Stella de Oro Daylily	1 gal.	355
Ic	Ilex crenata 'Steeds'	Steeds Japanese Holly	5'-6'	28
Jp	Juniper procumbens 'Nana'	Dwarf Japanese Garden Juniper	2 gal.	33
Js	Juniperus squamata 'Blue Star'	Blue Star Juniper	2 gal.	5
Jv	Juniperus virginiana	Eastern Red Cedar	10' Ht.	17
Md	Microbiota decussata	Russian Cypress	2 gal.	32
Pb	Picea pungens 'Pungster'	Pungster Blue Spruce	2 gal.	7
Pg	Picea Glauca 'Desata'	Black Hills Spruce	8-10' Ht.	3
Pl	Prunus laurocerasus 'Cherry Brandy'	Cherry Laurel English Laurel	8'-10'	8
Rd	Rhododendron x 'Delaware Valley White'	Delaware Valley White Azalea	3 gal.	11
Rr	Rhododendron x 'Roseum Elegans'	Roseum Elegans Rhododendron	7 gal.	11
Ry	Rhododendron Yakushimanum	Yaku Rhododendron	3 gal.	11
Ts	Thuja standishii x plicata 'Green Giant'	Green Giant Arborvitae	10' Ht.	7
Grand total				554

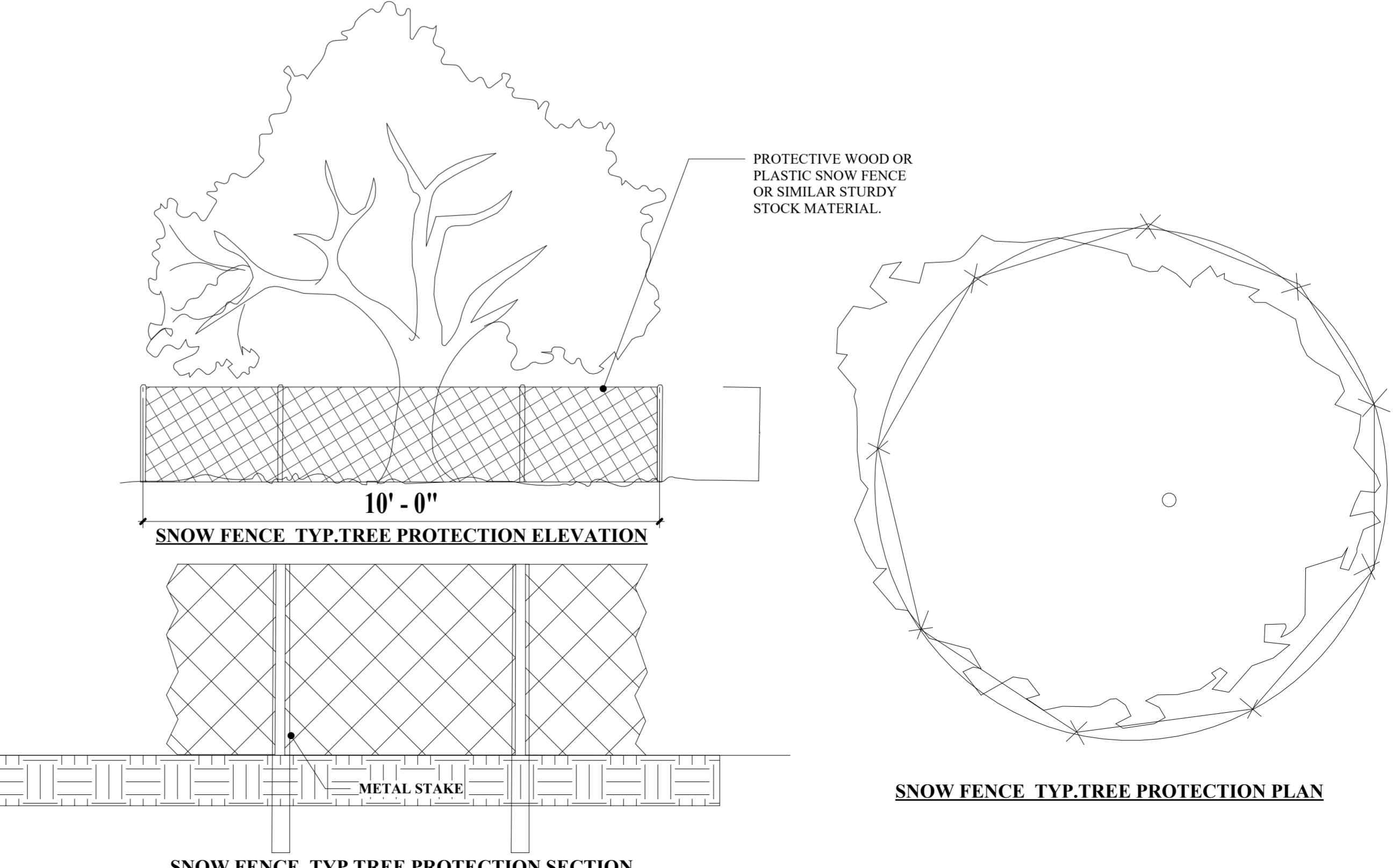


DETERMINING THE CRITICAL ROOT ZONE

THE CRITICAL ROOT ZONE OF A TREE IS THE ZONE IN WHICH THE MAJORITY OF A TREE'S ROOTS LAY. NINETY-FIVE PERCENT OF THE ROOTS OF MOST TREES WILL BE FOUND IN THE UPPER 30-36" OF THE SOIL OF THOSE, 0THE MAJORITY OF THE ROOTS THAT SUPPLY THE NUTRIMENTS AND WATER TO THE TREE ARE FOUND IN THE UPPERMOST LAYER, JUST BELOW THE SOIL SURFACE. THE TOTAL AMOUNT OF A TREE'S ROOTS ARE GENERALLY PROPORTIONAL TO THE VOLUME OF THE TREE'S CANOPY. THEREFORE, IF THE ROOTS ONLY PENETRATE A THIN LAYER OF SOIL, THEN THE ROOTS MUST SPREAD FAR FROM THE TREE, BEYOND THE LIMITS OF THE CANOPY.

ROOTS ARE VITAL TO THE FUNCTIONING OF ANY TREE. THEY PROVIDE STRUCTURAL SUPPORT AS WELL AS THE MAJOR MECHANISM FOR NUTRIENT AND WATER UPTAKE FOR USE BY THE REST OF THE TREE. DESTROYING A SECTION OF A TREE'S ROOTS WILL ULTIMATELY RESULT IN A PROPORTIONAL LOSS OF THE TREE'S CANOPY.

THE CRITICAL ROOT ZONE OF A TREE TO BE SAVED SHALL BE THE MINIMUM AREA PROTECTED WITH TREE PROTECTION FENCING.



CONSULTANTS:

1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

PREPARED FOR:

SOUTH COUNTY HEALTH

MOST TRUSTED HEALTH PARTNER

100 KENYON AVE.
WAKEFIELD, RI 02879

PROJECT NAME:
KENYON AVE PARKING LOT

PROJECT LOCATION:
**11 KENYON AVE,
SOUTH KINGSTOWN,
RI 02879**

ISSUED DATE: 07/30/2025
PROJECT NO. 2405

REGISTRATIONS:

REVISIONS:

NO	DATE	DESCRIPTION
1	07/30/2025	SUBMITTAL
2	08/21/2025	REVISION 1

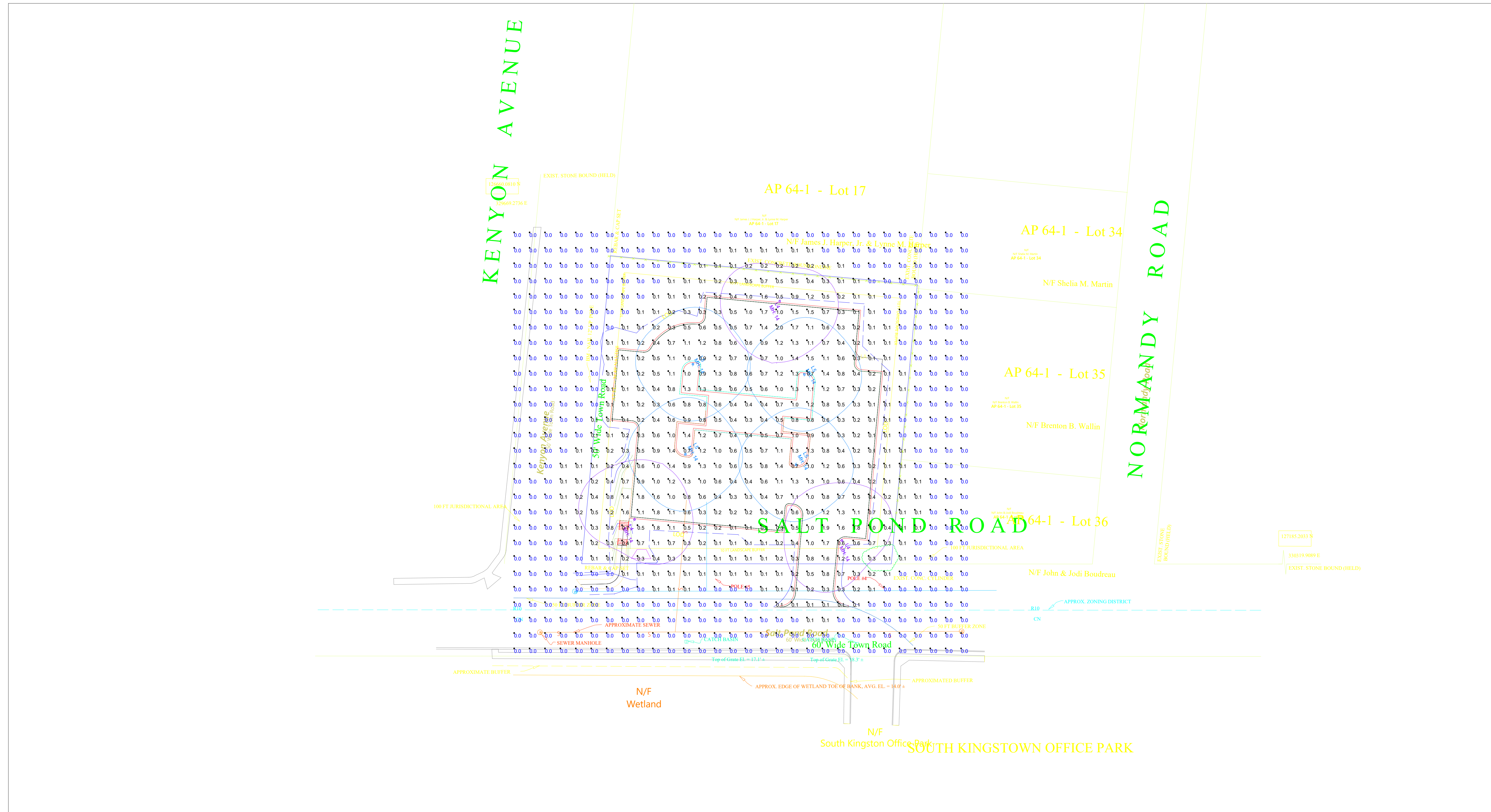
PROJECT STATUS:
DESIGN DEVELOPMENT

SHEET TITLE:
PLANTING DETAIL - SCHEDULE

DRAWING NO.
L3

PREPARED BY:
DON LEIGHTON DESIGN

PLOT CREATED: 08/21/2025 11:13:46 AM



Scale: 1 inch= 30 Ft.

Luminaire Schedule								
Symbol	Qty	Label	Arrangement	Lum. Lumens	Lum. Watts	LLF	Description	Filename
	3	L4	Single	3975	35.636	0.850	P15-C-A02-830-T4S	P15-C-A02-830-T4S-G3.ies
	4	L5	Single	3941	35.636	0.850	P15-C-A02-830-T5S	P15-C-A02-830-T5S-G3.ies

Calculation Summary									
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min	Description	
Site	ILLUMINANCE	Fc	0.27	2.0	0.0	N.A.	N.A.	10ft Grid	
Parking Lot	ILLUMINANCE	Fc	0.76	2.0	0.1	7.60	20.00	10ft Grid	

Rev	Date	Comments
A	08/01/25	Initial Layout
B	08/05/25	Reduced lumen levels
C	08/08/25	MH change, added fixture

Revisions

Disclaimer
Lighting designs by Dugan (LDD) assumes no responsibility for any errors in the IES files, background images, or other information provided to LDD to be used in these calculations. Actual or measured results may vary due to manufacturer tolerances, and field conditions. The owner assumes all responsibility for compliance with federal, state and/or local codes and regulations.

Project Name: EALD - South County Hospital	Project ID#: APX-11628	Rev: C
Drawn by: PMD	Date: 8/8/2025	

