

Design & Drafting services performed by:
Signature ARCHITECTURE 73 Bishop Road, Sharon, MA 02067 781.806-0063

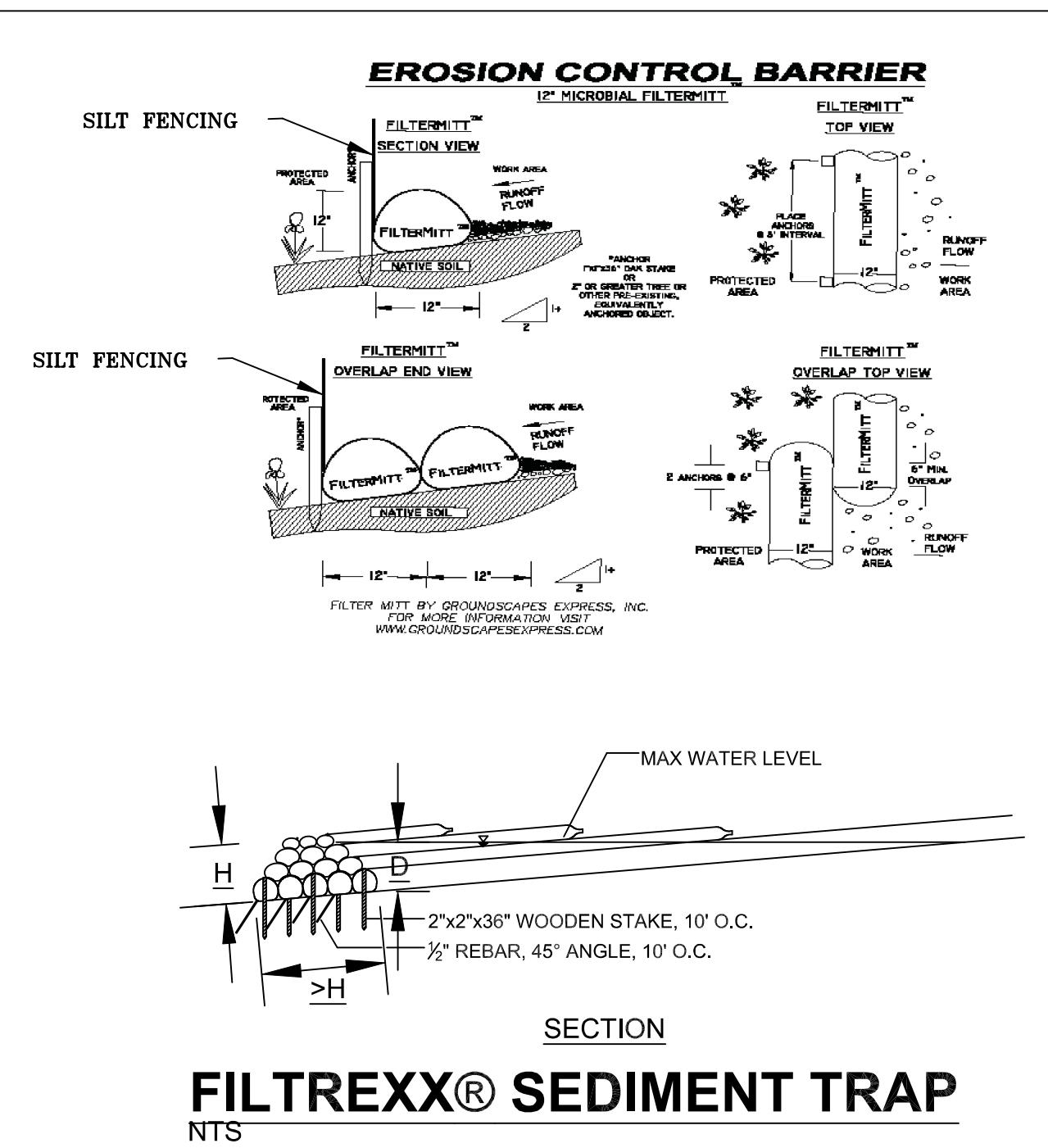
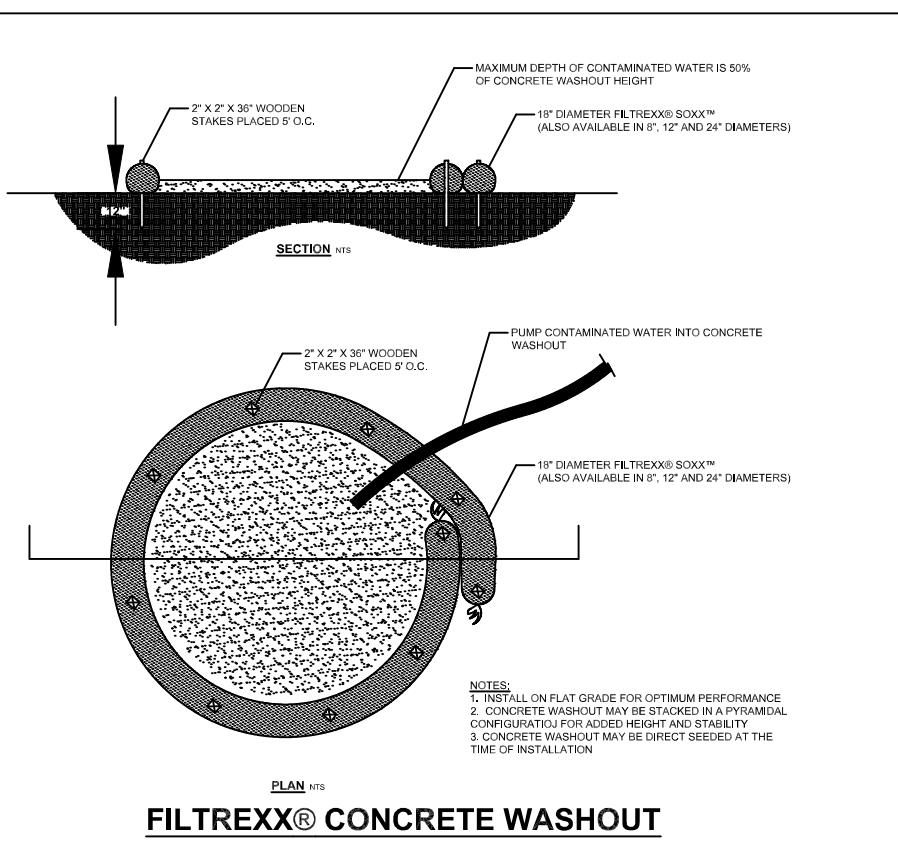
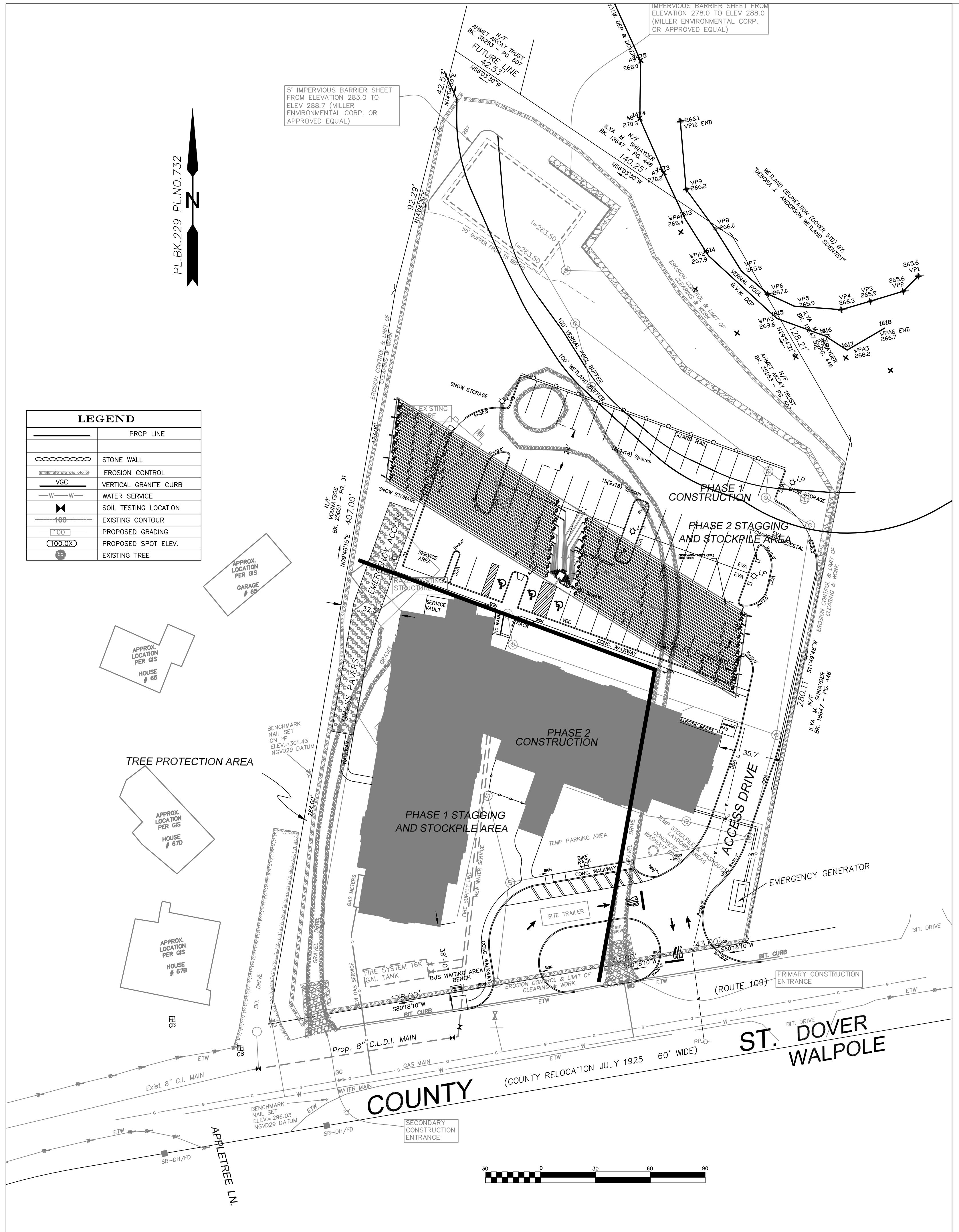
CHENEY ENGINEERING CO., INC.

53 MELLEN STREET NEEDHAM, MA 02494 TEL: 781-444-2188 admin@chenev-eng.com

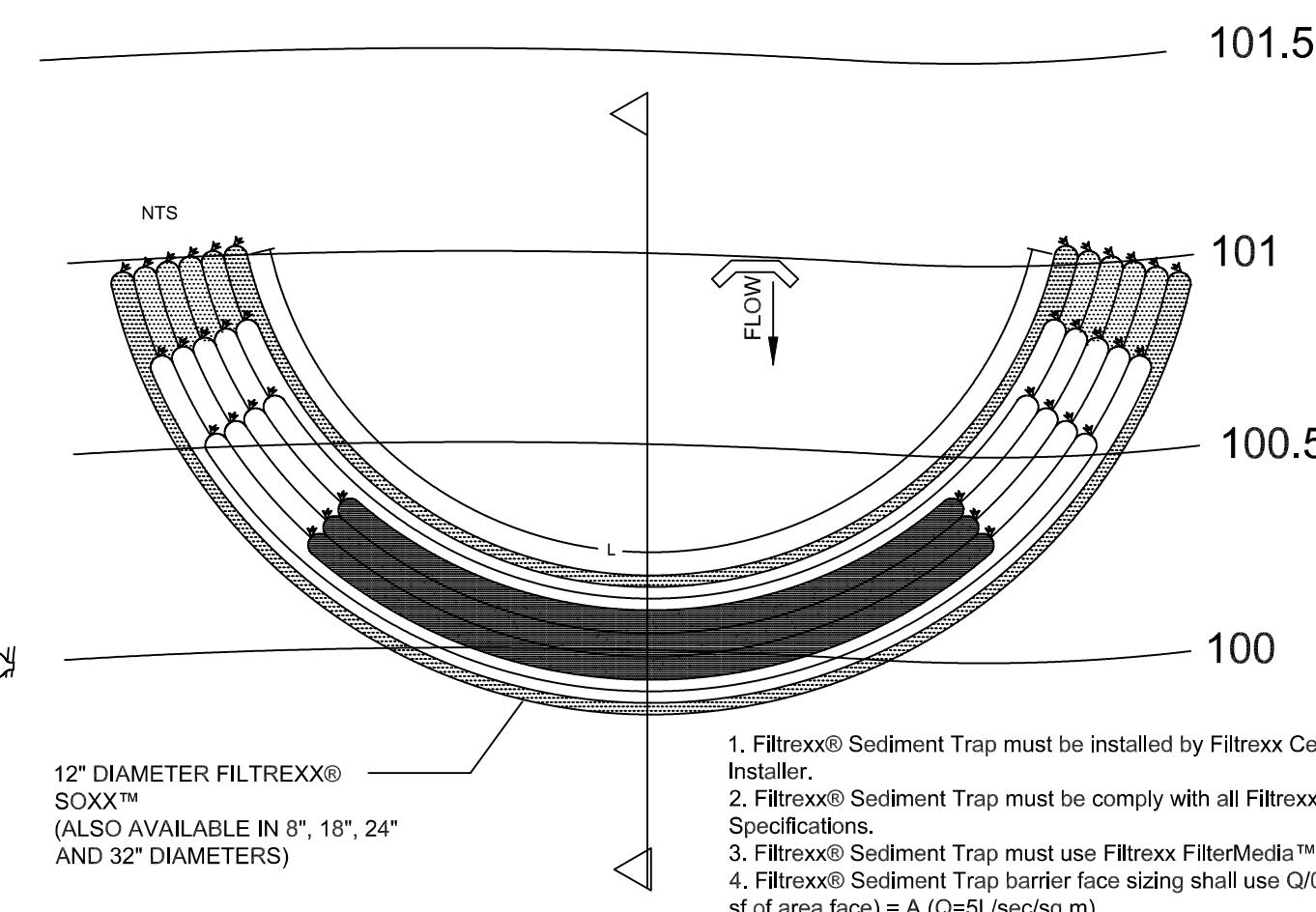
Drawing Description: EXISTING CONDITIONS
RED ROBIN PASTURES
COUNTY STREET, DOVER MA

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C1



FILTREXX® SEDIMENT TRAP STAKING DETAIL



SITE NOTES

1. AREA OF DISTURBANCE IS 109000 SF
2. ALL FILL SHALL MEET APPROVED STANDARDS FROM A CERTIFIED SOURCE AS REQUIRED.
3. CONTRACTOR SHALL BE FAMILIAR WITH ALL STORM WATER OPERATION & MAINTENANCE PLAN AND SPILL PREVENTION REQUIREMENTS.
4. CONTRACTOR SHALL BE FAMILIAR WITH ALL CONSERVATION COMMISSION NOTICE OF INTENT CONDITIONS AND ZONING BOARD APPROVAL REQUIREMENTS.

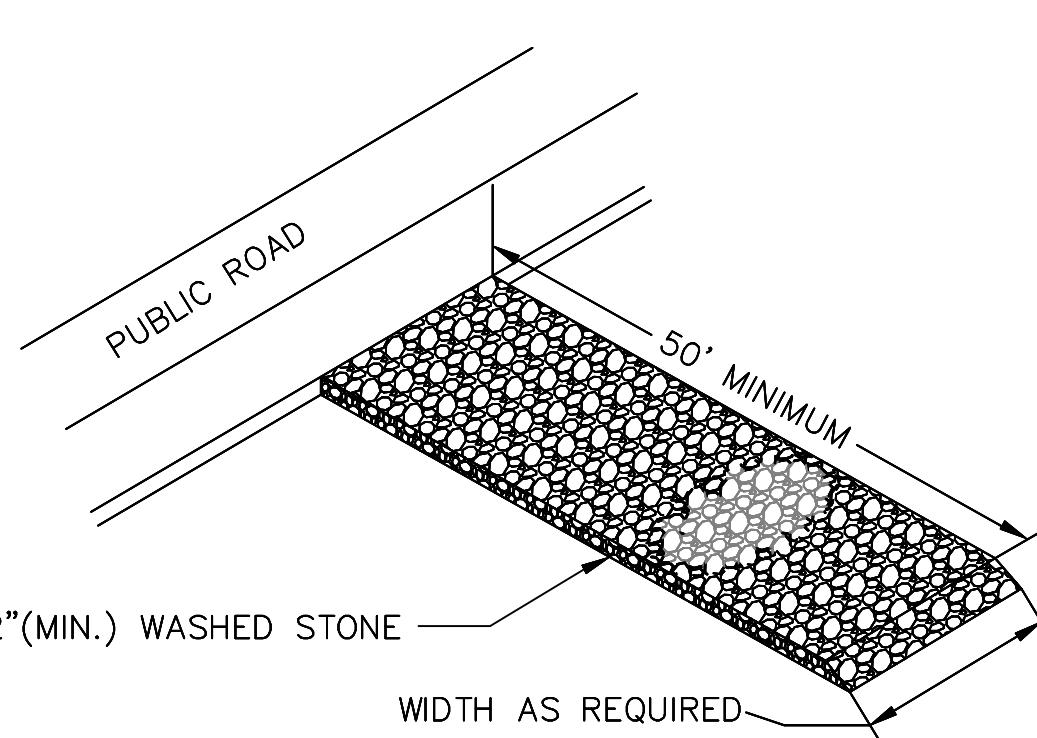
Approximate Construction Sequence:

Phase 1.

- Install perimeter fencing and erosion control around perimeter of site.
- Site clearance.
- Build temporary construction entrance on west side of site.
- Locate staging area at front of site.
- Setup temporary services.
- Build retaining wall at rear of site.
- Install drainage and septic structures.
- Construct driveway.
- Build parking lot to rough grade

Phase 2

Relocate construction staging area to rear of site.
Construction entrance shift to driveway along East of site.
Construction of structure.
Completion of all siteworks/landscaping/hardscaping, etc.
Installation of permanent perimeter fencing.



CONSTRUCTION ENTRANCE DETAIL

NOT TO SCALE

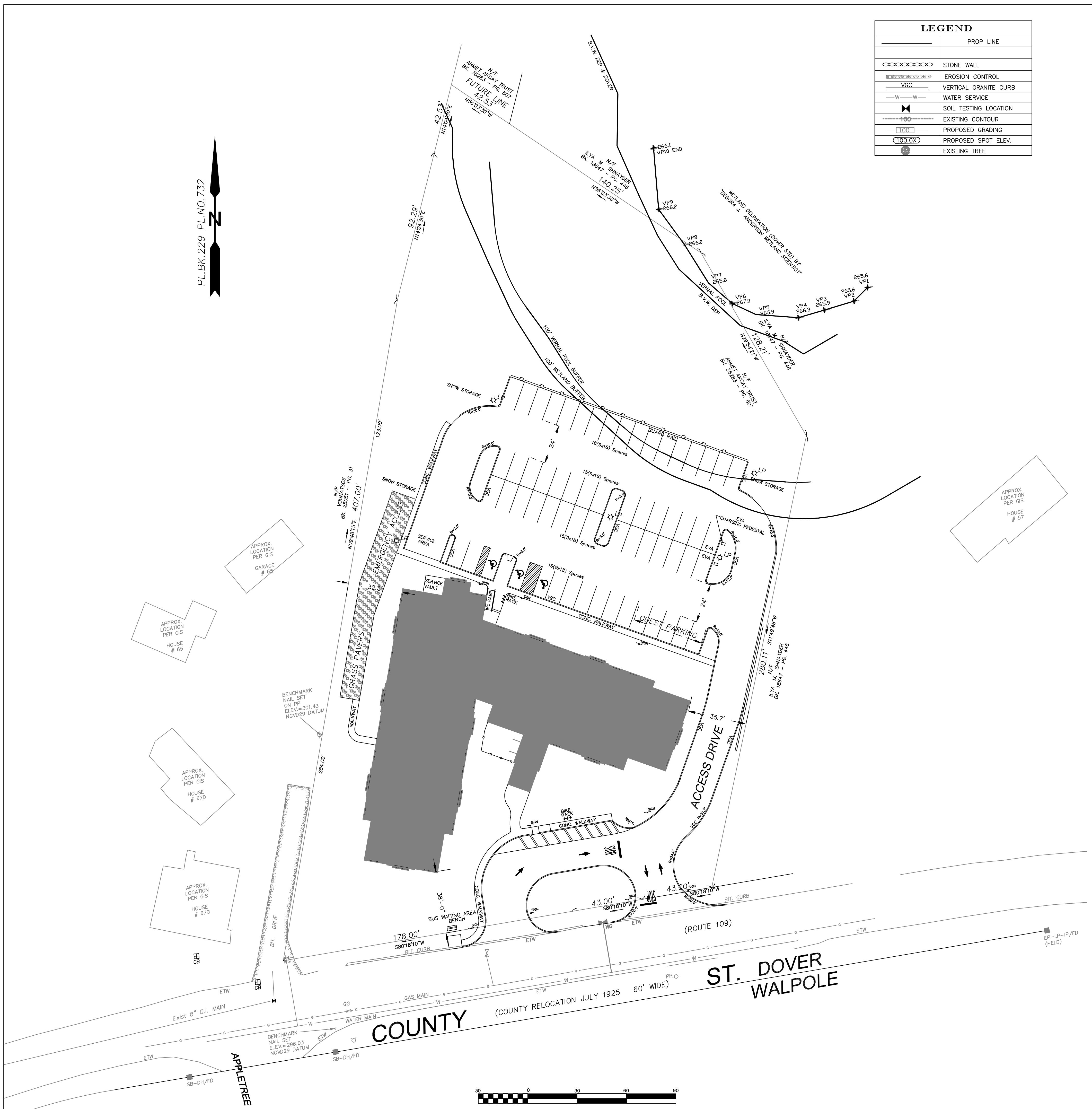
Designer/Drafter	Rev. #	Date
R T	3	09/21/21
Scale	4	10/28/21
1" = 30' - 0"		
Date		
12/18/20		

111

EROSION CONTROL PLAN
RED ROBIN PASTURES
COUNTY STREET, DOVER, MA

The logo for Signature Design Architecture. It features a large, bold, stylized letter 'Y' and 'A' where the vertical stems of the 'Y' and the 'A' meet at the top, creating a visual connection. Below this graphic, the word 'DESIGN' is written in a smaller, sans-serif font, and 'ARCHITECTURE' is written in a large, bold, sans-serif font. The entire logo is contained within a black rectangular border.

Sheet No. **C2**



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ARCHITECTURE
73 Bishop Road, Sharon, MA 02067 781.886.5063

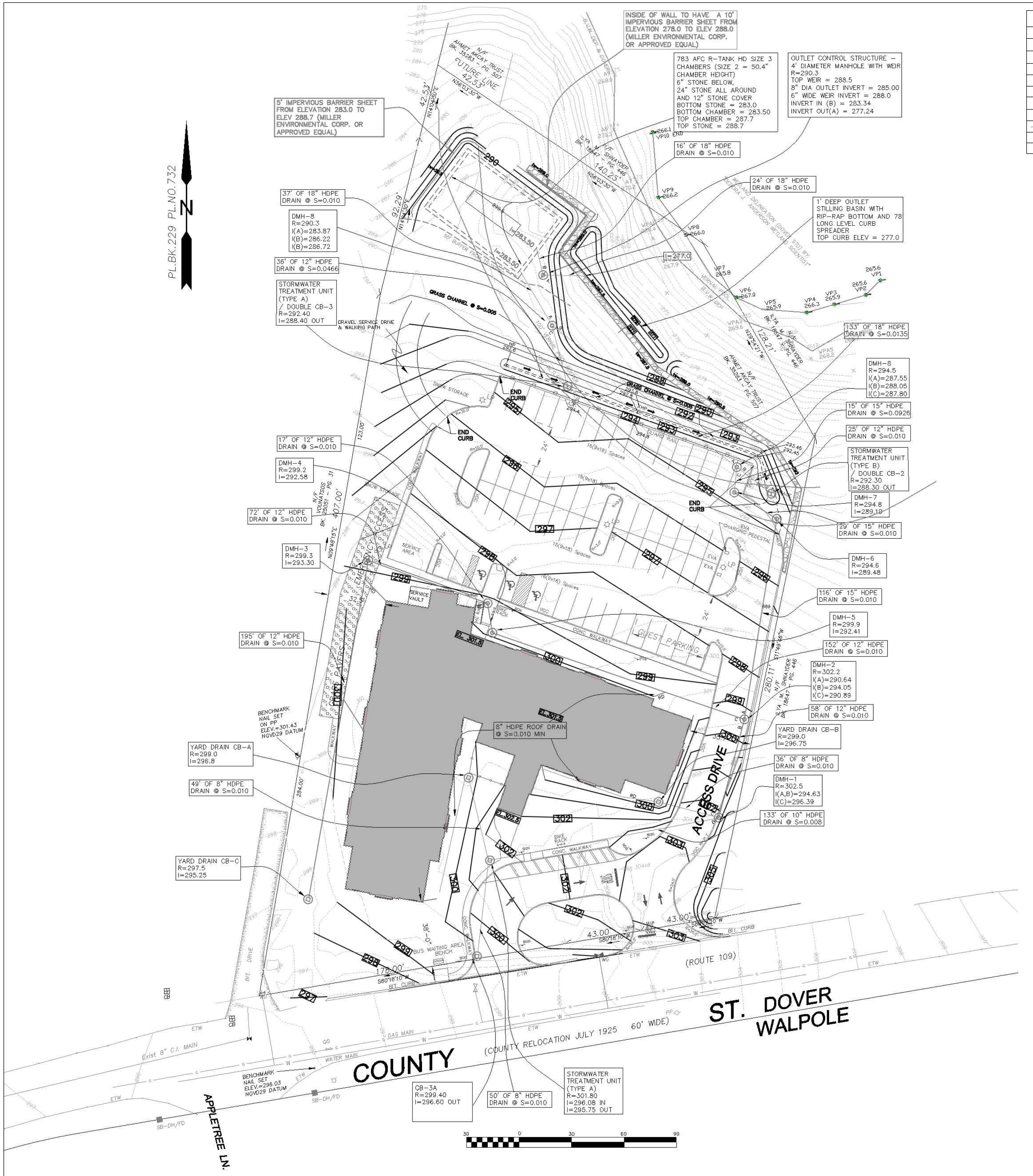
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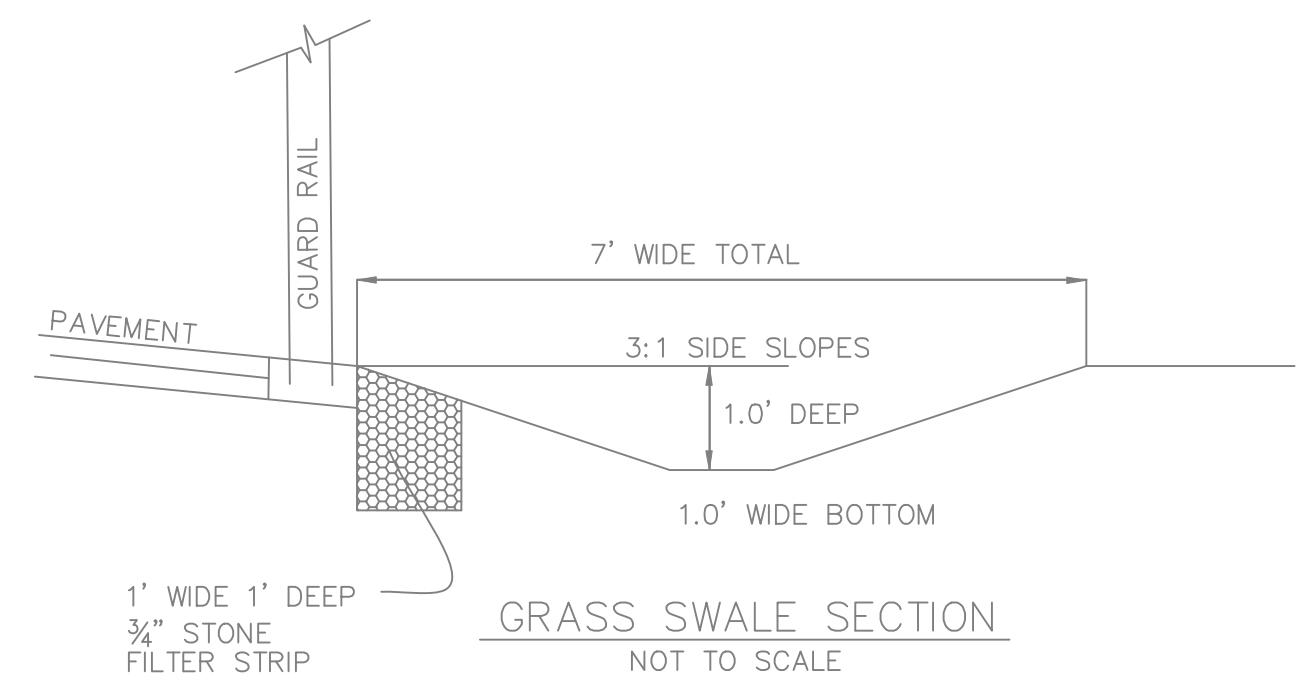
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73 Bishop Road, Sharon, MA 02067 781.886.5063

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Signature Design
ARCHITECTURE
73 Bishop Road, Sharon, MA 02067 781.886.5063

C3



—	PROP LINE
○○○○○○○	STONE WALL
○○○○○○○	EROSION CONTROL
— VGC —	VERTICAL GRANITE CURB
— W —	WATER SERVICE
■	SOIL TESTING LOCATION
— 100 —	EXISTING CONTOUR
— (100) —	PROPOSED GRADING
(100.0X)	PROPOSED SPOT ELEV.
●	EXISTING TREE

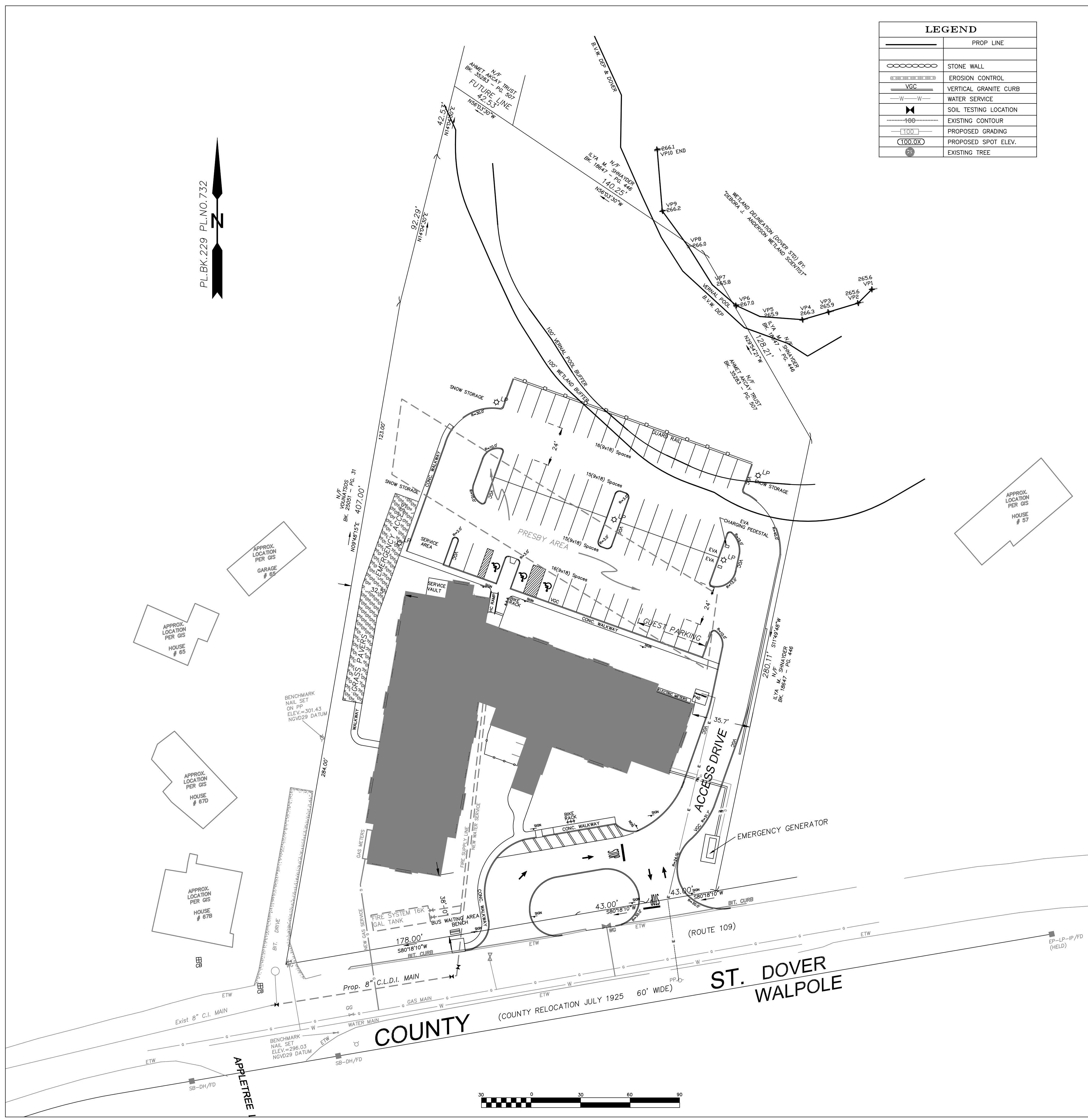


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RT	3	09/21/21
Scale	4	10/28/21
1=20' 0"		
Dates		
09/21/21		

Design/Owner/Designer	Rev. #	Date
RT	3	09/21/21
Scale	4	10/28/21
1=20' 0"		
Dates		
09/21/21		

Drawing Description: DRAINAGE & GRADING PLAN
RED ROBIN PASTURES
COUNTY STREET, DOVER, MA

Design & Drafting services performed by:
Signature ARCHITECTURE
73 Bishop Road, Sharon, MA 02067 781.806-0063
Sheet No. C4

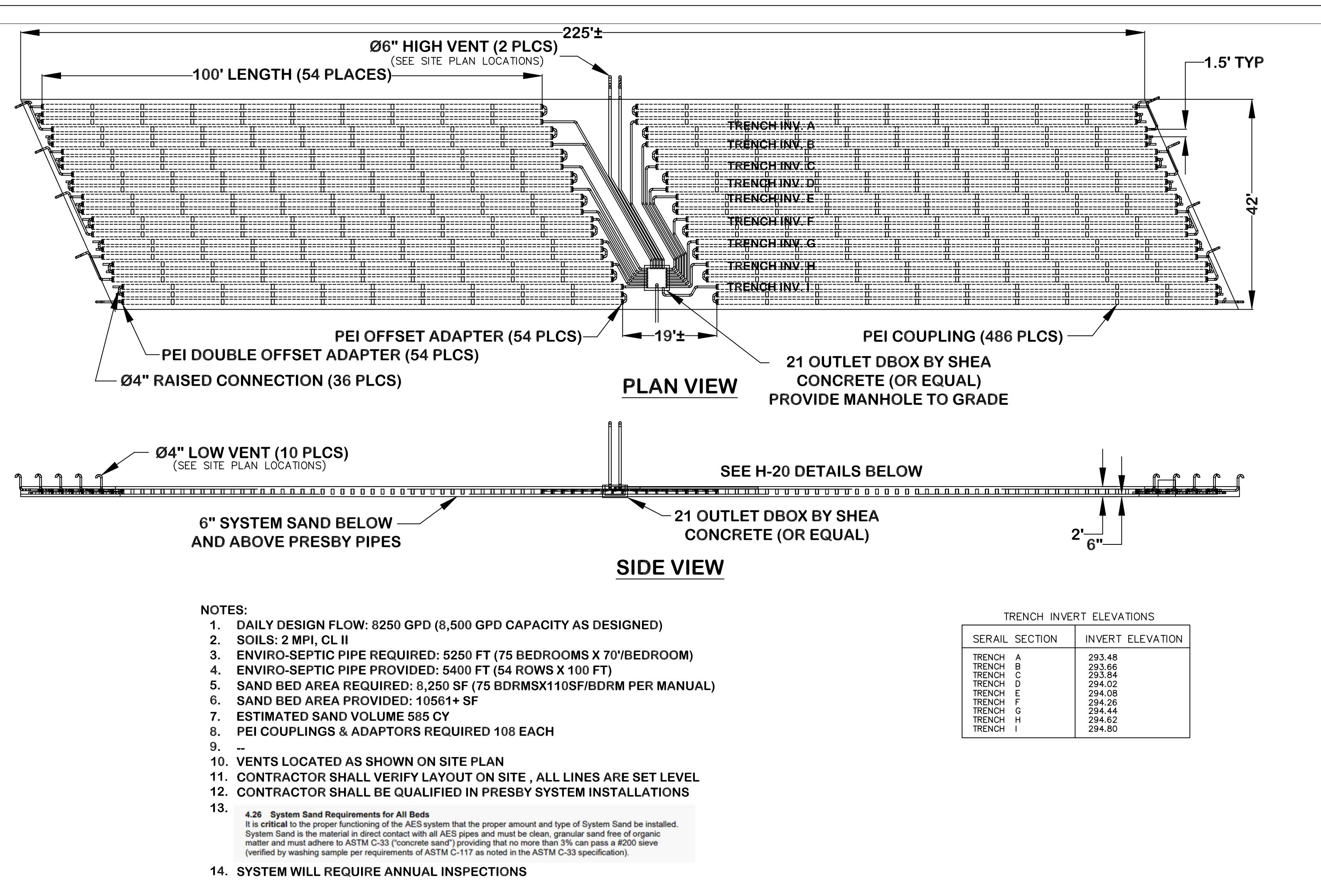
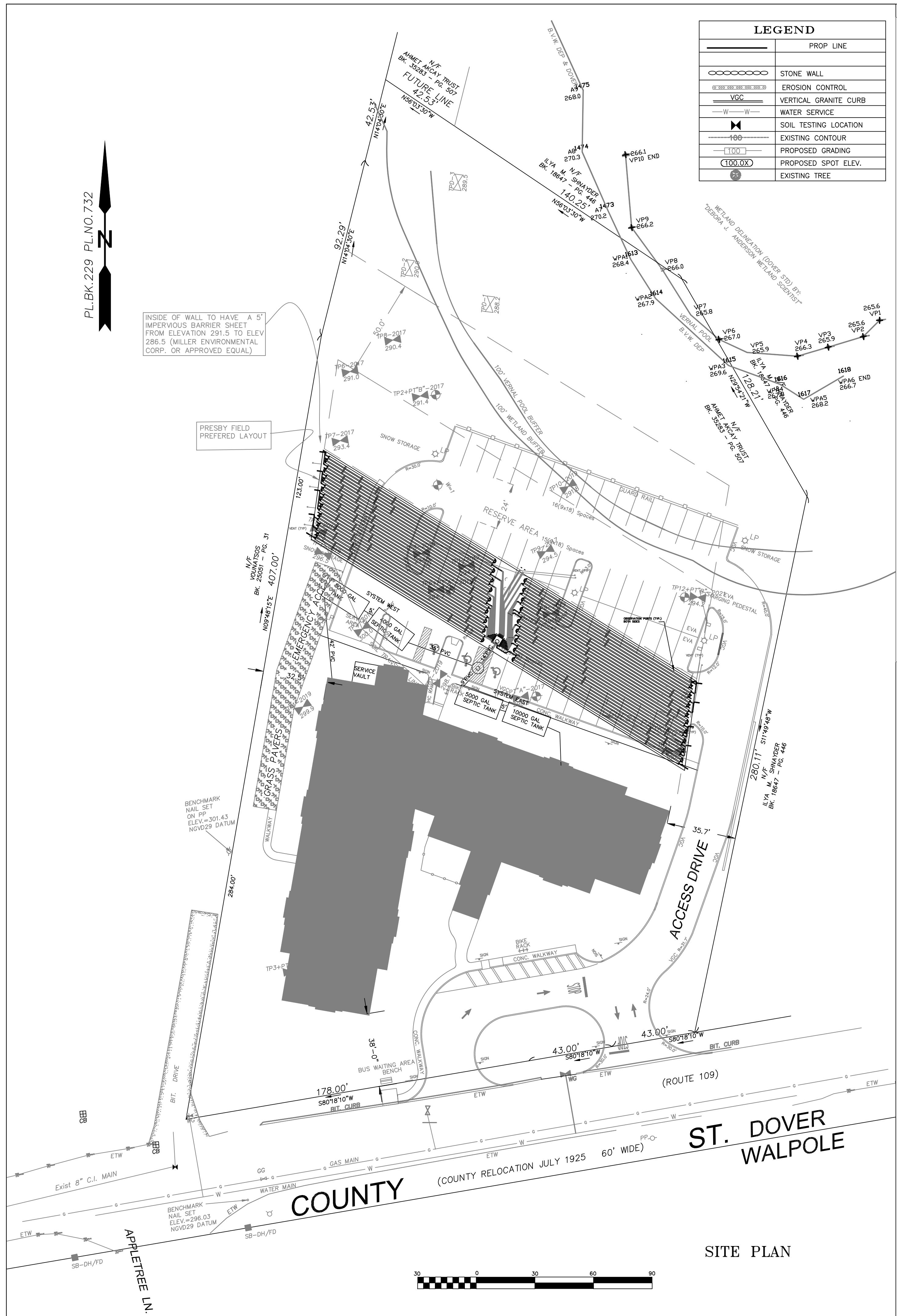


ED ROBIN PASTURES
COUNTY STREET, DOVER, MA

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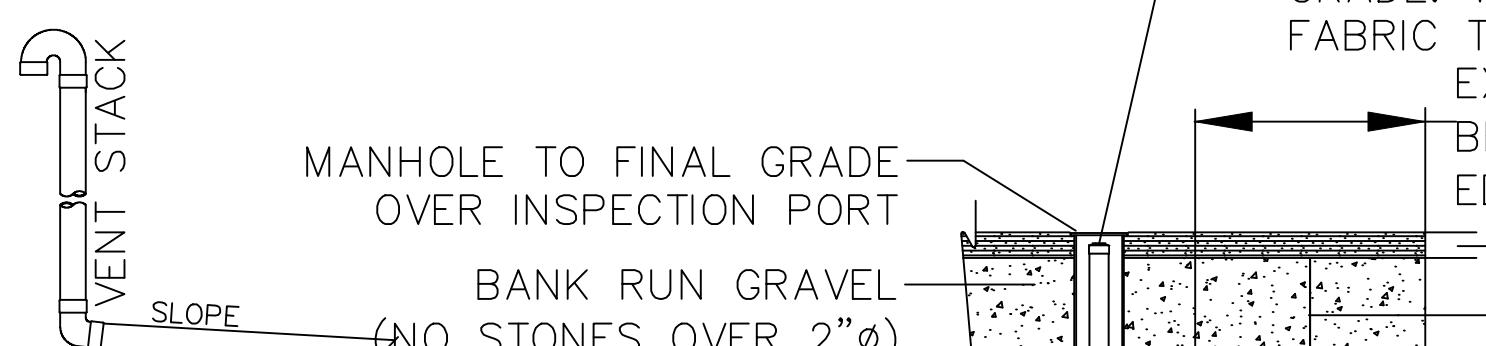
RT	3	09/21/21
Scale	4	10/28/21
AS NOTED		
Date		

10. *What is the best way to increase the number of people who use a particular service?*



SECTION DETAIL FOR H-20 WHEEL LOADING

(NOT TO SCALE)



VENT MANIFOLD—
BOTTOM DRAINS RECOMMENDED WHEN—
PRESBY PIPE ENDS ARE INACCESSIBLE

BOTTOM DRAINS RECOMMENDED PRESBY PIPE ENDS ARE INACCURATE

BOTTOM DRAINS RECOMMENDED WHEN
PRESBY PIPE ENDS ARE INACCESSIBLE
(NOT PART OF THIS DESIGN)
SYSTEM SAND 6" MIN ABOVE AND BELOW ES
PIPE. NO SAND VOIDS ALLOWED. WALK
BETWEEN ROWS (COMPRESSING SAND) TO
ENSURE SAND FILLS ALL VOIDS AROUND
PRESBY PIPES.

ADING 4"Ø PERFORATED INSPECTION PORT TO BOTTOM OF SYSTEM SAND AND THREADED CAP WITHIN 3" OF FINAL GRADE. WRAP PIPE WITH PERMEABLE GEOTEXTILE FABRIC TO ELIMINATE SAND INFILTRATION.

FABRIC TO ELIMINATE SAND INLET
EXTEND FABRIC 3' MIN
BEYOND EDGE OF PIPE (ALL
EDGES)

PAVEMENT (OR HARDSCAPE)



PRESBY PIPE INSTALL STABILIZATION FABRIC WITH A "GRAB TENSILE STRENGTH OF 315 LBS PER ASTM D 4632" or EQUAL SIX INCHES OVER PRESBY PIPE

NATURALLY OCCURRING

NATURALLY OCCURRING
PERVIOUS MATERIAL
OTES:

THE ONLY SOIL COMPACT

AT THE POINT OF PREP

NOT ALL ROWS SHOWN.

Drawing Description
**PRESBY SANITARY SYSTEM & DETAILS
RED ROBIN PASTURES
COUNTY STREET, DOVER, MA**

ed by: **D E S**
URE IA 02067

Sharon, M
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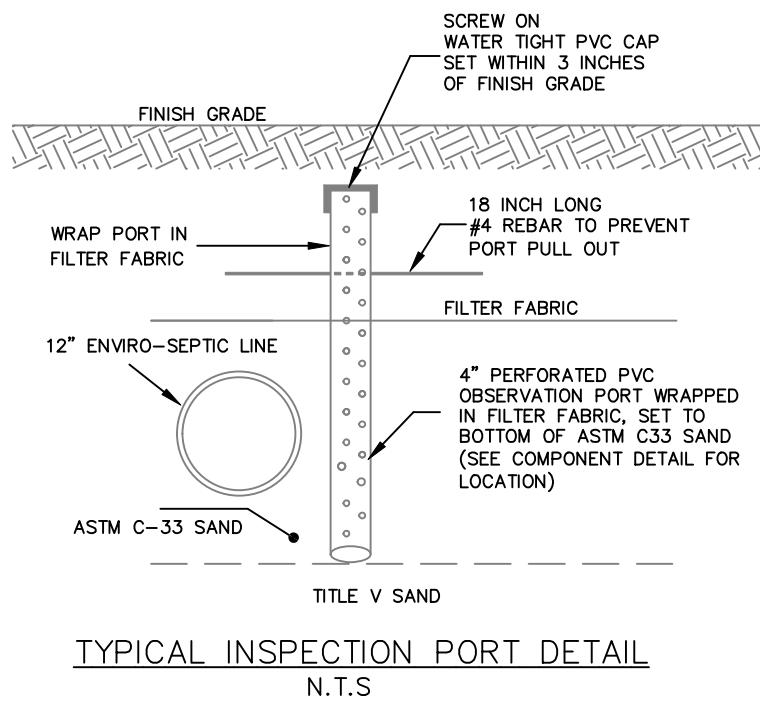
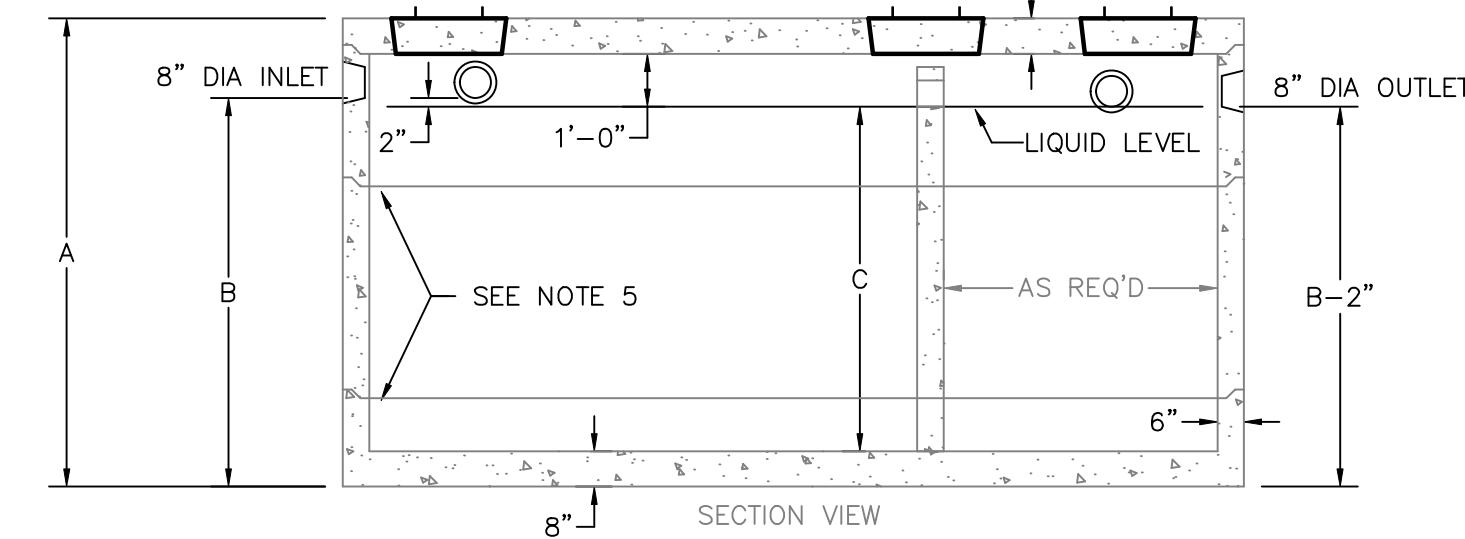
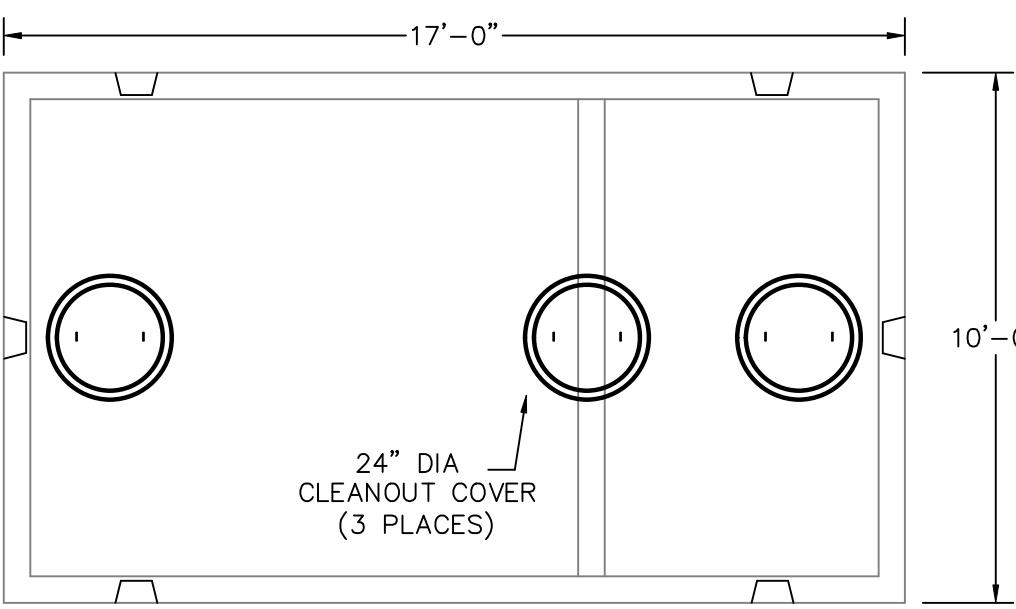
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Sheet No. **C6**

1000

NOTES:

1. CONCRETE, 5,000 PSI MINIMUM AFTER 28 DAYS.
2. DESIGN CONFORMS WITH 310 CMR 15.00, DEP TITLE 5 REGS, FOR SEPTIC TANKS.
3. ALL REINFORCEMENT PER ASTM C1227.
4. DESIGNED FOR AASHTO HS-20 LOADING COVER 1-5 FEET.
5. TONGUE AND GROOVE JOINT SEALED WITH BUTYL RESIN. INLET HEIGHT MAY INCREASE SLIGHTLY DUE TO THE BUTYL RESIN USED.
6. TEES AND BAFFLES SOLD SEPARATELY.
7. SPANNERS USED IN CENTER SECTIONS FOR TANKS GREATER THAN 7000 GALLONS.



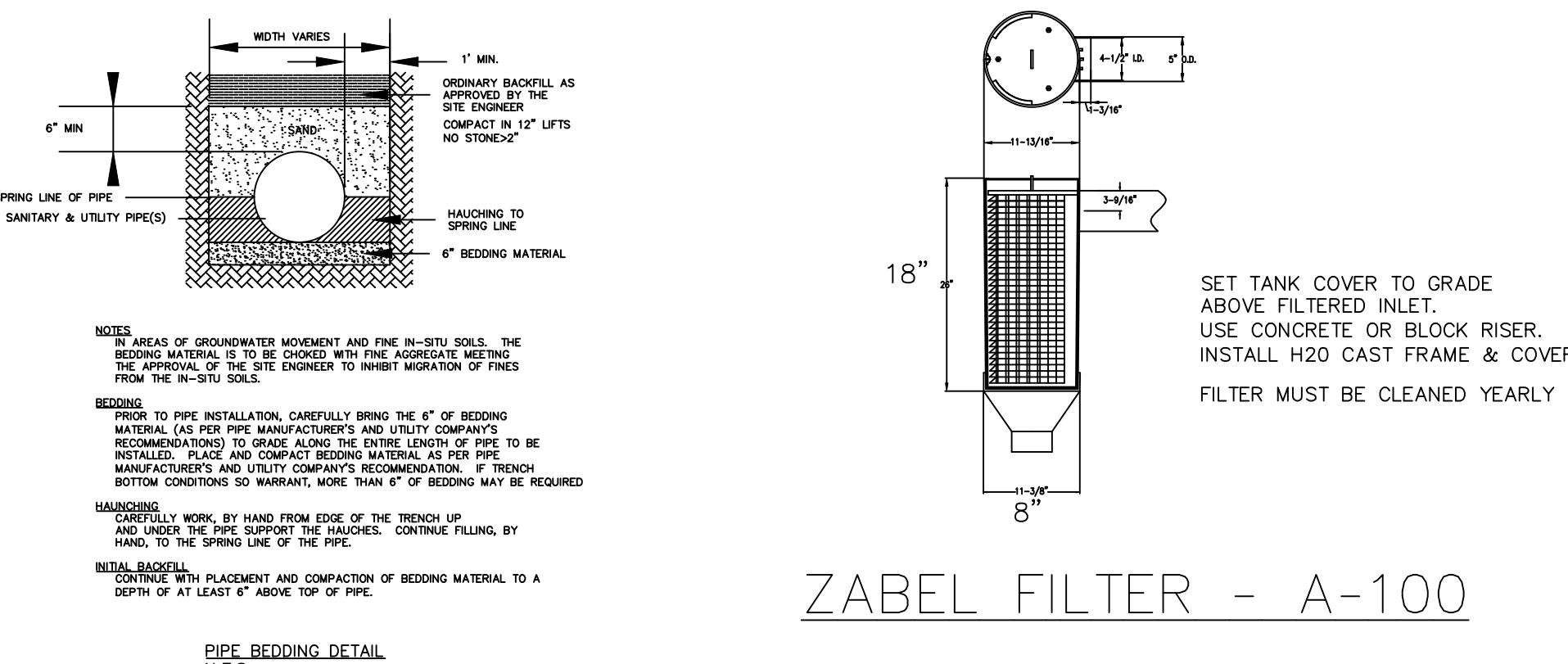
TYPICAL INSPECTION PORT DETAIL
N.T.S.

GALLONS	A (HEIGHT)	B (INLET)	C (LIQUID)	TOTAL WEIGHT	RISER SIZE 1	RISER SIZE 2	RISER SIZE 3
4,000	76"	58"	48"	55,366	48"	0	0
5,000	88"	70"	60"	59,812	30"	30"	0
5,500	92"	74"	64"	61,296	30"	34"	0
6,000	96"	78"	68"	62,780	34"	34"	0
6,500	100"	82"	72"	64,258	30"	42"	0
7,000	106"	88"	78"	66,482	30"	48"	0
7,500	112"	94"	84"	68,704	42"	42"	0
8,000	118"	100"	90"	70,928	42"	48"	0
8,500	124"	106"	96"	73,152	48"	48"	0
9,000	130"	112"	102"	75,374	30"	30"	42"
9,500	136"	118"	108"	77,598	30"	30"	48"
10,000	140"	122"	112"	79,082	30"	34"	48"
10,500	146"	128"	118"	81,304	34"	42"	42"
11,000	152"	134"	124"	83,528	34"	42"	48"
11,500	158"	140"	130"	85,752	34"	48"	48"
12,000	162"	144"	134"	87,232	38"	48	48"

ITEM SIZE	WEIGHT
8" TOP	16,312#
21" BOTTOM	20,517#
30" RISER	11,116#
34" RISER	12,600#
38" RISER	14,080#
42" RISER	15,562#
48" RISER	17,786#

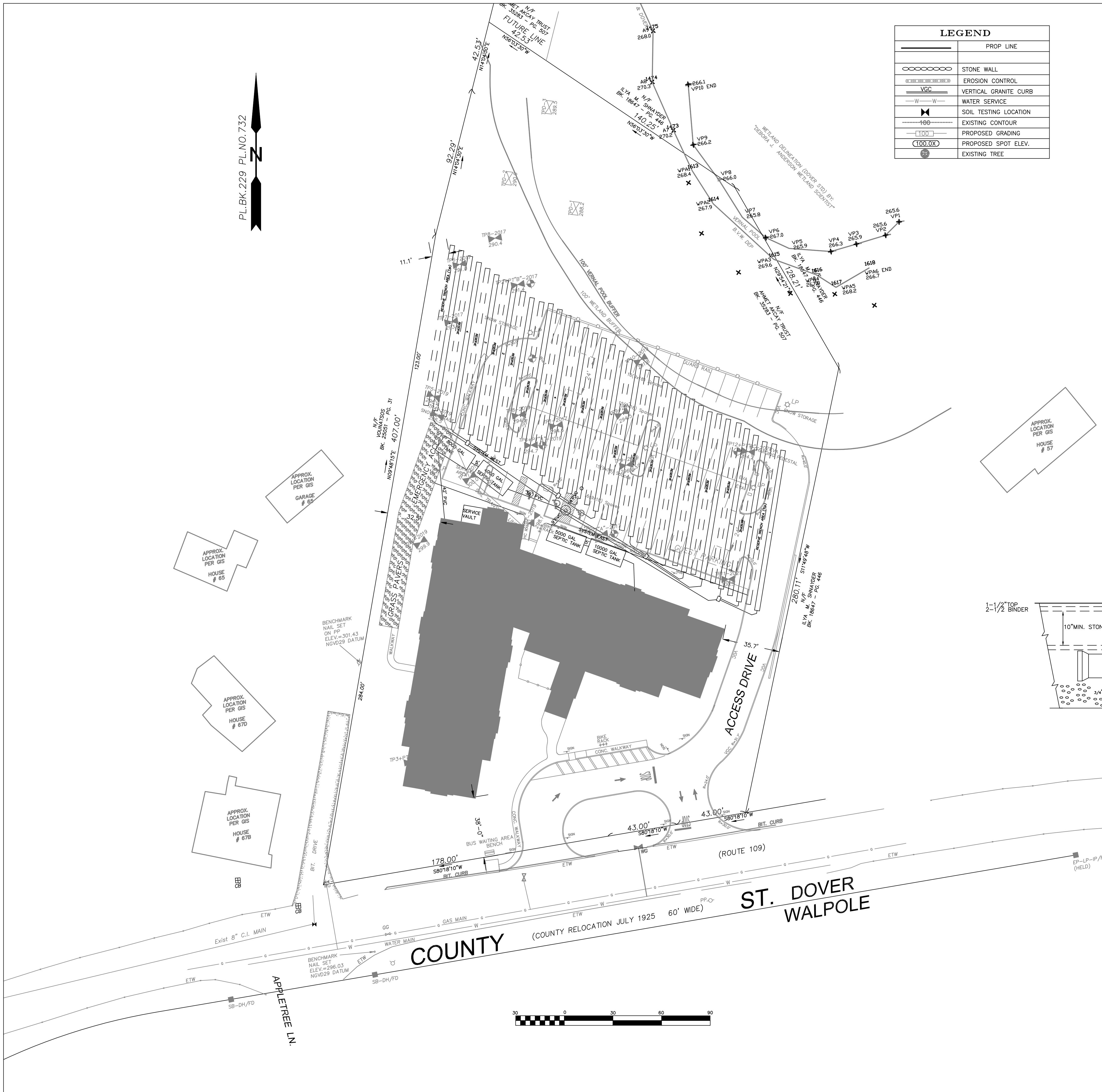
ALL RISERS HAVE SPANS

TANK DETAILS
N.T.S.



ZABEL FILTER - A-100

Not To Scale

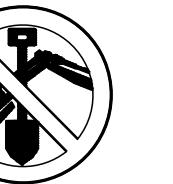


GENERAL NOTES & SPECIFICATIONS

1. All work shall be in conformance with NPDES permit and Spill Prevention Plans
2. Pipe and fittings shall be Schedule 40 PVC (polyvinyl chloride) manufactured in accordance with the latest requirements of ASTM D3034. Joints shall be solvent welded type(tight joints). Pipe to be laid on firm compacted base.
3. Perforated pipe, when required, shall be schedule 40 PVC (ASTM D1785) for entire length of system. All joints shall be tight joint. Orifice dia.=3/8" to 5/8".
4. Washed stone and other soil materials shall be in conformance with ASTM Standard
5. Fill Material shall be clean granular material with a percolation rate of 2 min./inch or less, be free of deleterious material, and properly compacted to minimize settlement, or allowed to settle for twelve months.
6. No changes shall be made in this plan without the authorization of the engineer, the Board of Health & Town Engineer.
7. Contractor must notify dig safe & the local water department prior to beginning excavation work.
8. Construction access is limited to the existing driveway. Prior approval and permitting from the Town of Dover Highway Department will be required for any area of disturbance within the right of way to obtain access or install any proposed system.
9. Notify Town of Dover Board of Health 3 days prior to start of construction.
10. Vehicular traffic over, parking of vehicles on, stockpiling of materials over, or storage of equipment on system shall not be allowed at any time.
11. Dewatering is required if fill is to be placed below ground water.
12. There are no industrial category or prohibited wastewaters are used currently at this site.
13. Fill shall not be placed during rain or snow storms.
14. 48 Hour notice for field inspection, call Town Engineer for schedule
15. Design Engineer to certify system installed & operating
16. Weekly or as needed inspections required

DIG SAFE NOTE:

UTILITIES ARE PLOTTED FROM FIELD LOCATION AND ANY RECORD INFORMATION AVAILABLE, AND SHOULD BE CONSIDERED APPROXIMATE. OTHER UTILITIES MAY EXIST WHICH ARE NOT EVIDENT OR FOR WHICH RECORD INFORMATION WAS NOT AVAILABLE. CONTRACTORS (IN ACCORDANCE WITH MASS.G.L. CHAPTER 82 SECTION 40 AS AMENDED) MUST CONTACT ALL UTILITY COMPANIES BEFORE EXCAVATING AND DRILLING. ALSO, CALL "DIG-SAFE" AT 1(888)344-7233 {1(888)DIG-SAFE}.



THE OFFSETS AS SHOWN ON THIS PLAN ARE NOT
TO BE USED FOR THE ESTABLISHMENT OF PROPERTY LINES
OR FOR THE ESTABLISHMENT OF ANY PROPOSED CONSTRUCTION
UNLESS SAID CONSTRUCTION IS SHOWN HEREON.

STANDARD LEACHING FACILITY DESIGN CRITERIA

TYPE OF BUILDINGS	<u>MULTI FAMILY DWELLING</u>
# OF BEDROOMS	<u>75</u>

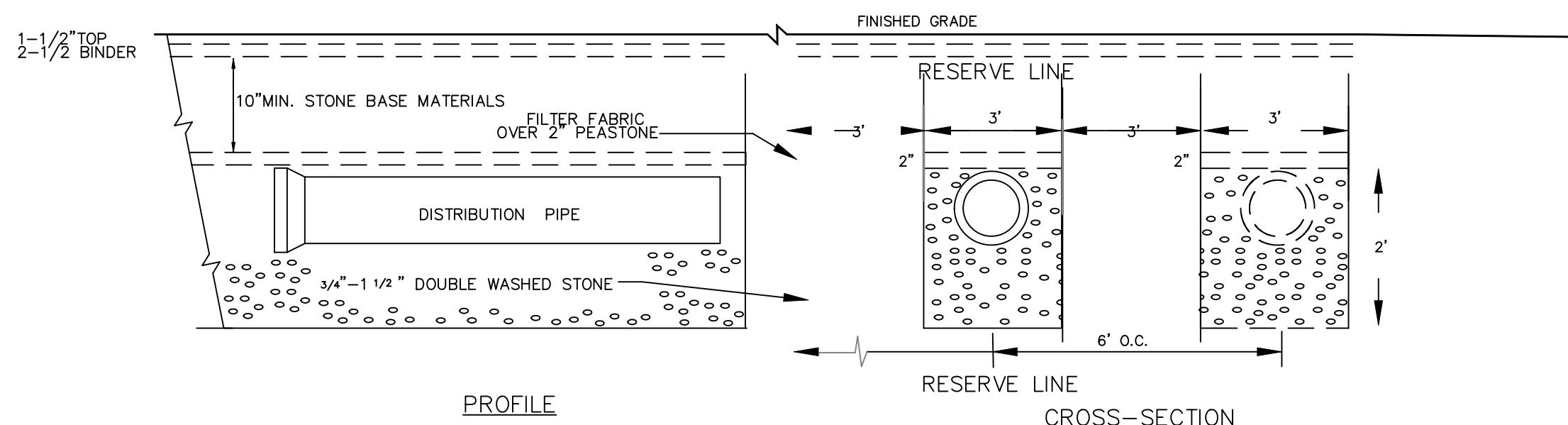
PERC. DESIGN RATE <2 MIN./INCH
MIN. DAILY FLOW _____
PRESSURE SYSTEM
EFFLUENT LOADING RATE (GPD/SF) = 0.63
SOIL CLASS II

REQUIRED AREA = 8250 GPD / 0.63GPD/SF=13095sF

CALCULATION:

Stone Trench Req'd = 13095 SF / 7 SF/LF = 1870LF

Stone Trenches = 10'x100'F / 7 SF/LF = 1177.00SF Preci



SCHEMATIC STANDARD LAYOUT SAS FOR AREA DESIGNATION

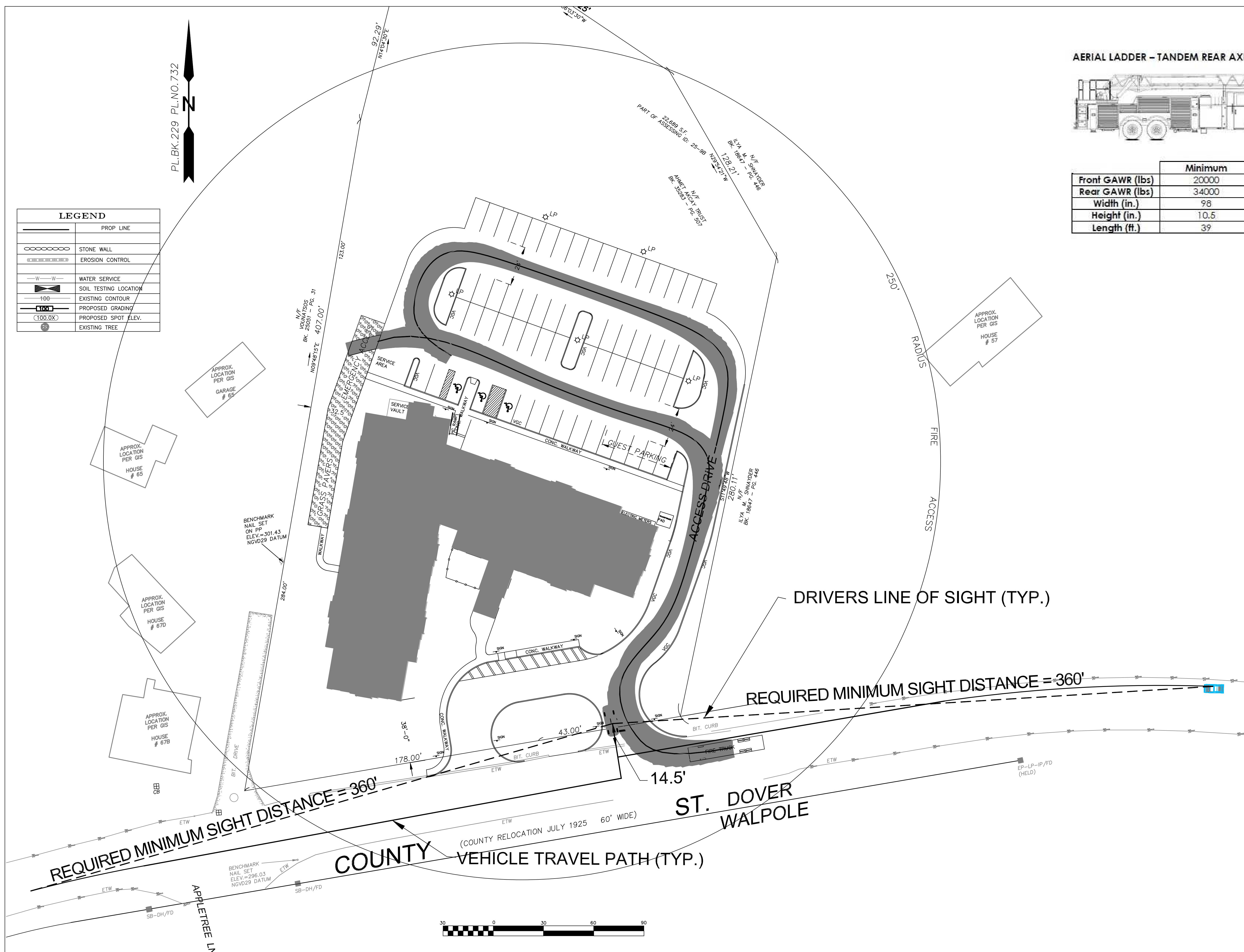
N.T.S

Drawing Description
**STANDARD TITLE V SYSTEM
RED ROBIN PASTURES
COUNTY STREET, DOVER, MA**

Design & Drafting services performed by:
**Signature Design
ARCHITECTURE**

73 Bishop Road, Sharon, MA 02067 781 806-0063

Sheet No. **C8**



	Minimum	Maximum
Front GAWR (lbs)	20000	22800
Rear GAWR (lbs)	34000	54000
Width (in.)	98	100
Height (in.)	10.5	12.5
Length (ft.)	39	43

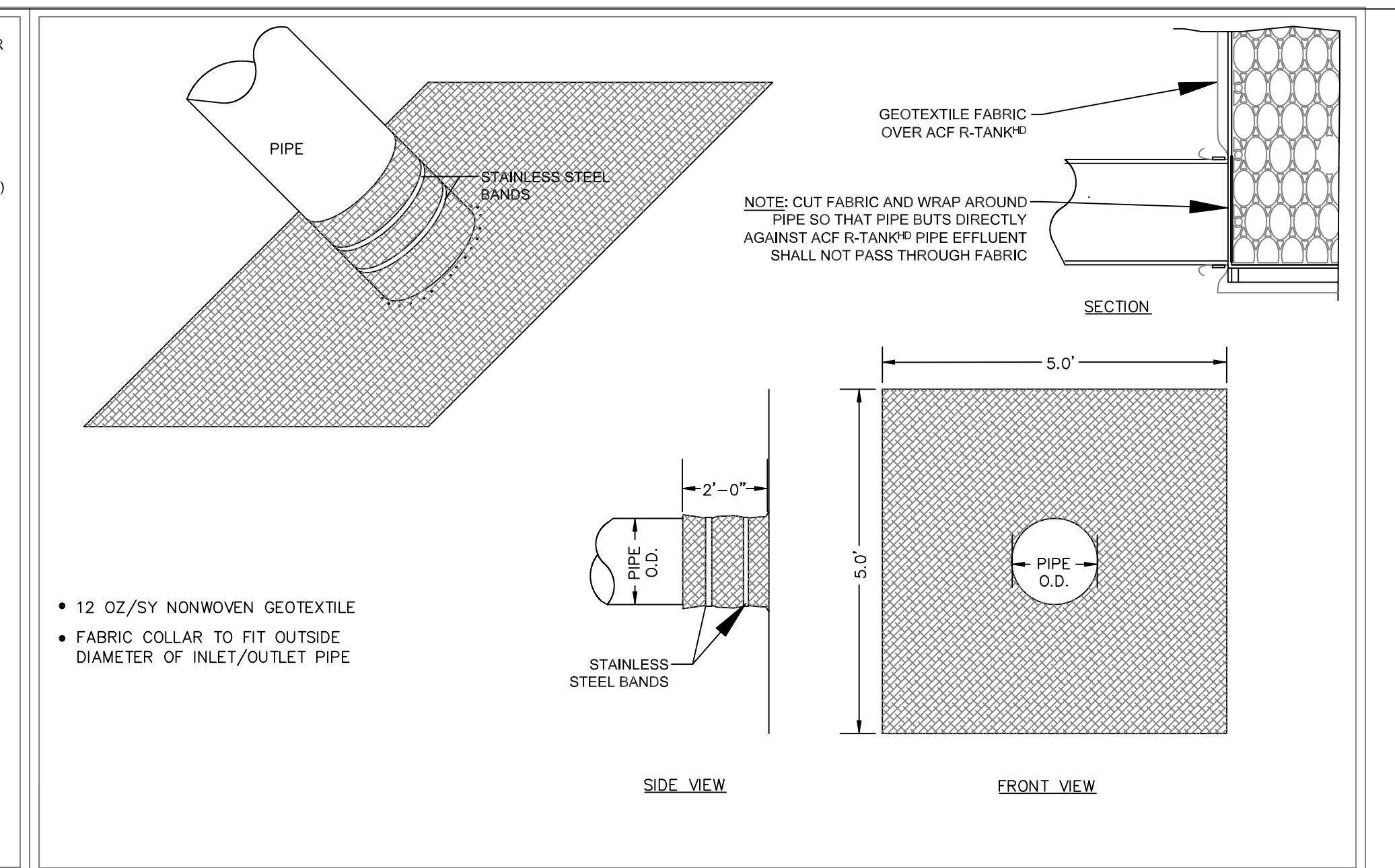
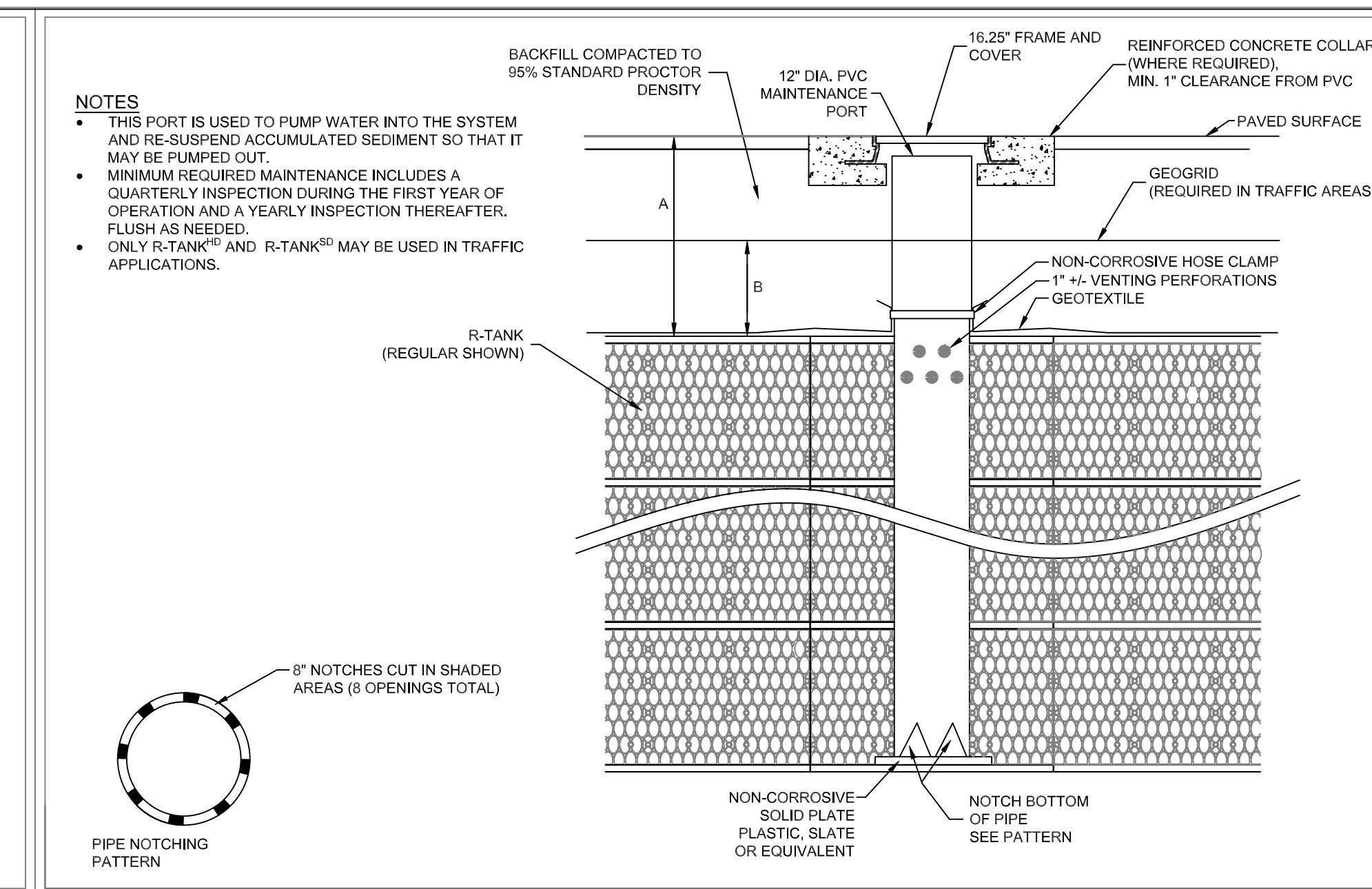
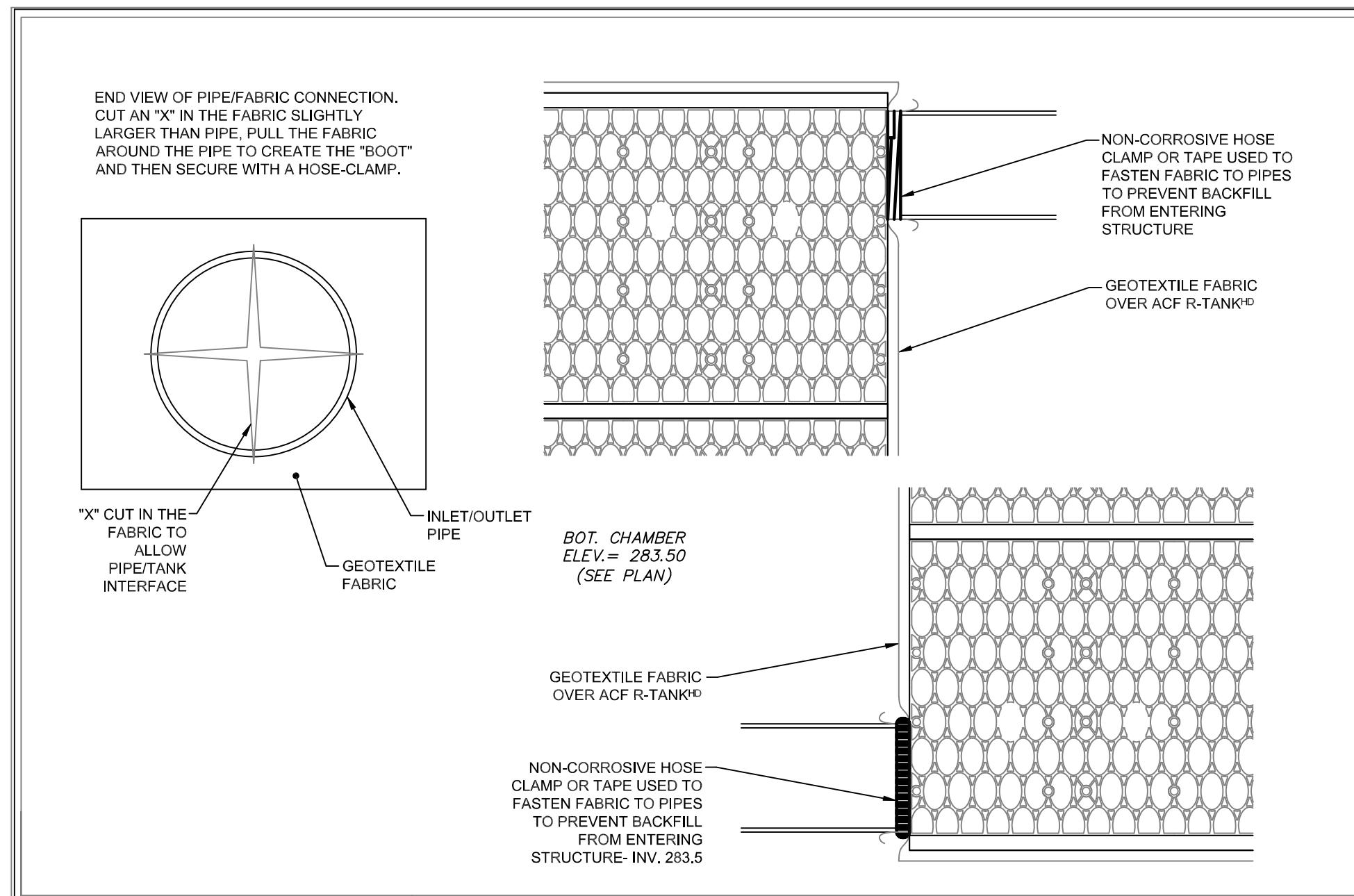


AERIAL LADDER – TANDEM REAR AXLE

rawling Description
**EFIRE ACCESS & SSD
RED ROBIN PASTURES
COUNTY STREET, DOVER, N**

Sheet No. **C9**

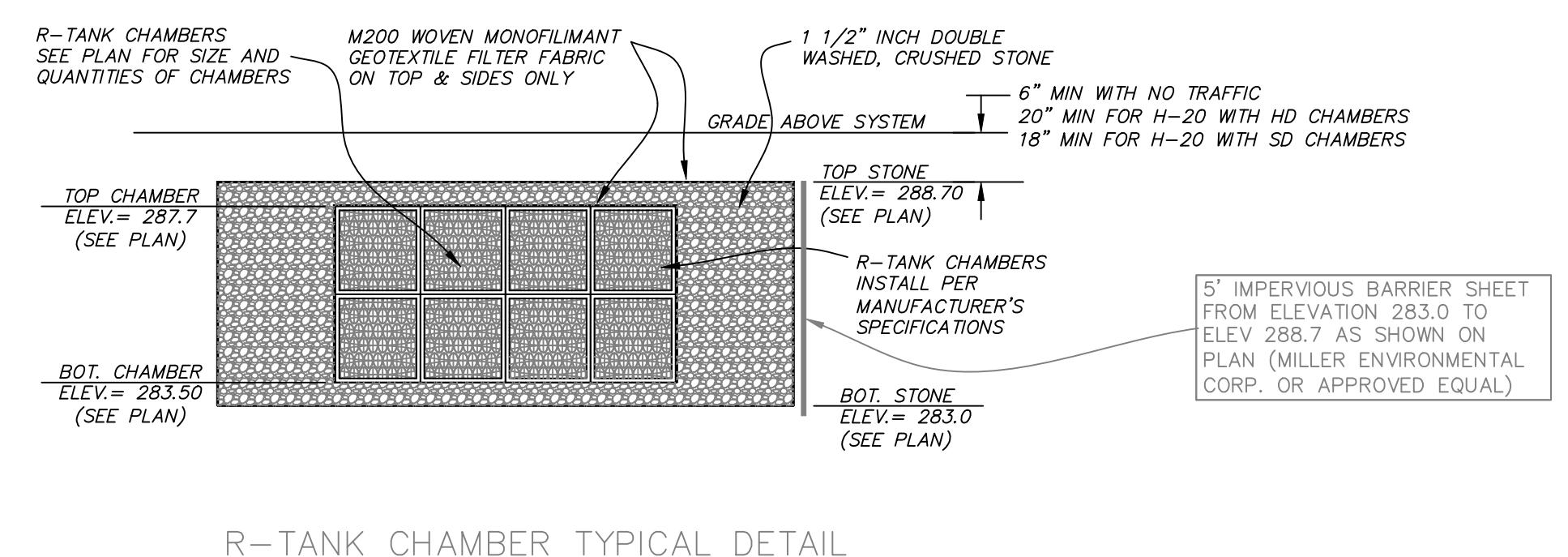
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RT	3	09/21/21
Scale	4	10/28/21
AS NOTED		
Date		
		12/18/20



R-TANK® TYPICAL TANK INLET/OUTLET DETAIL

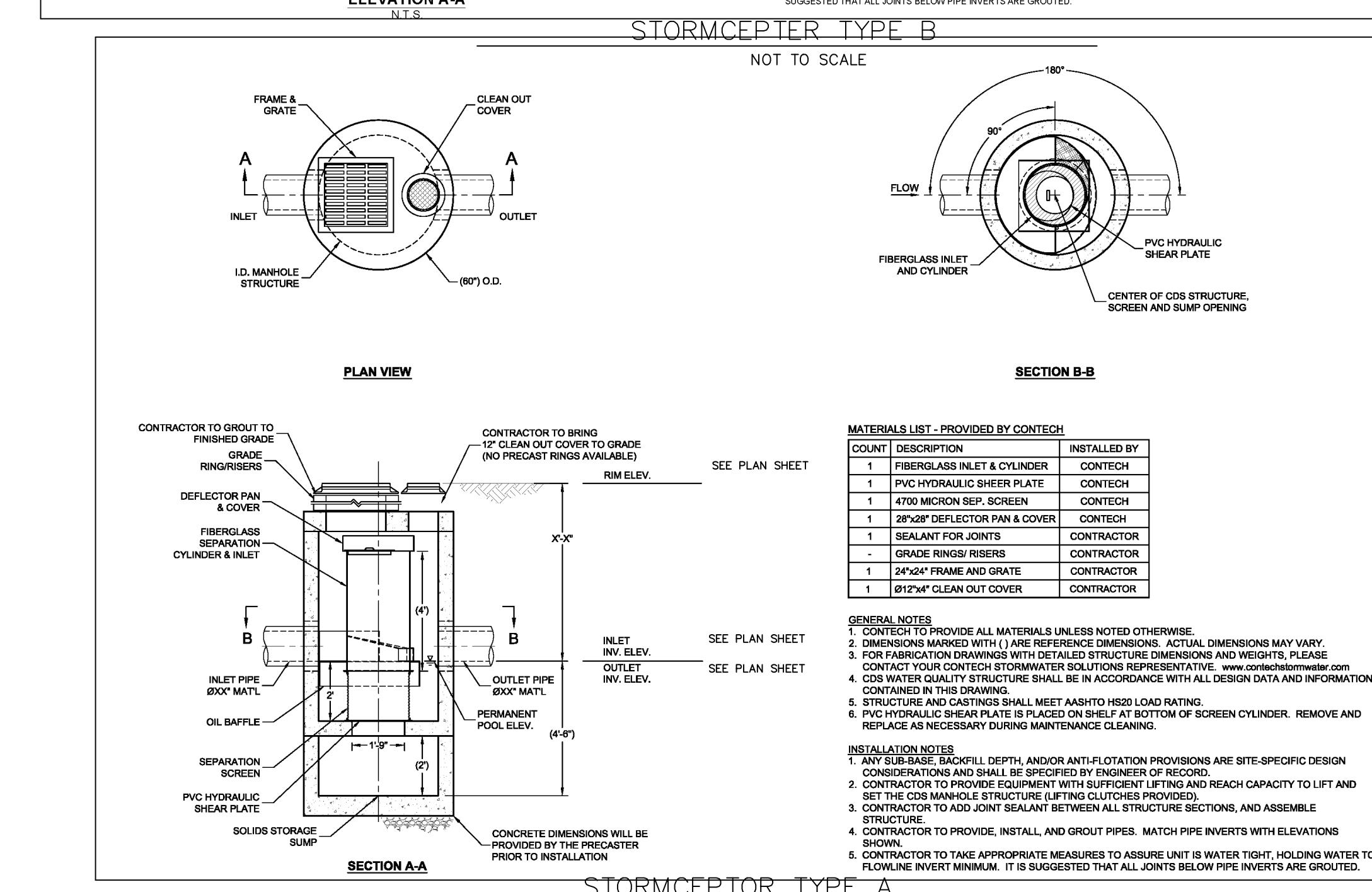
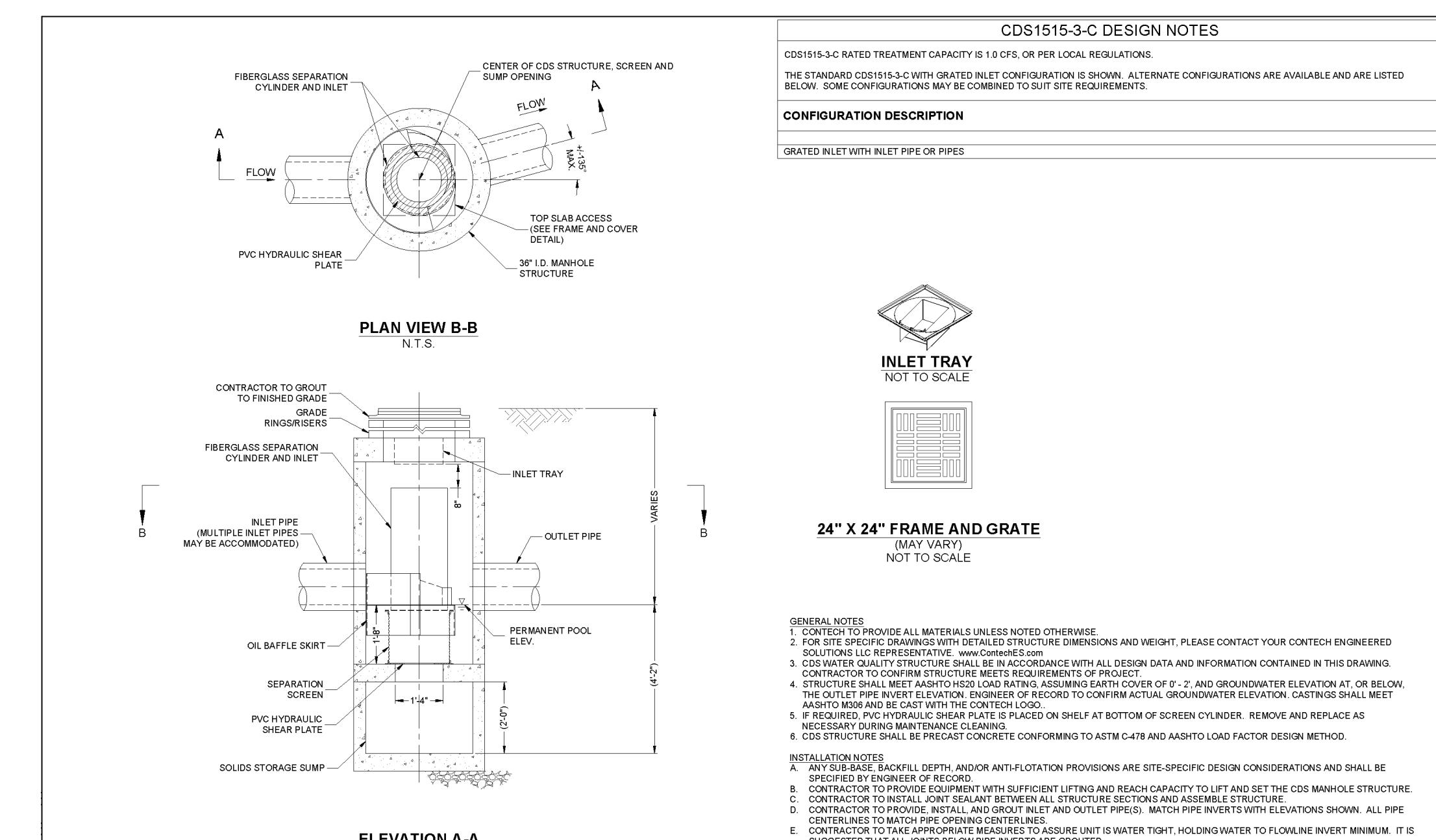
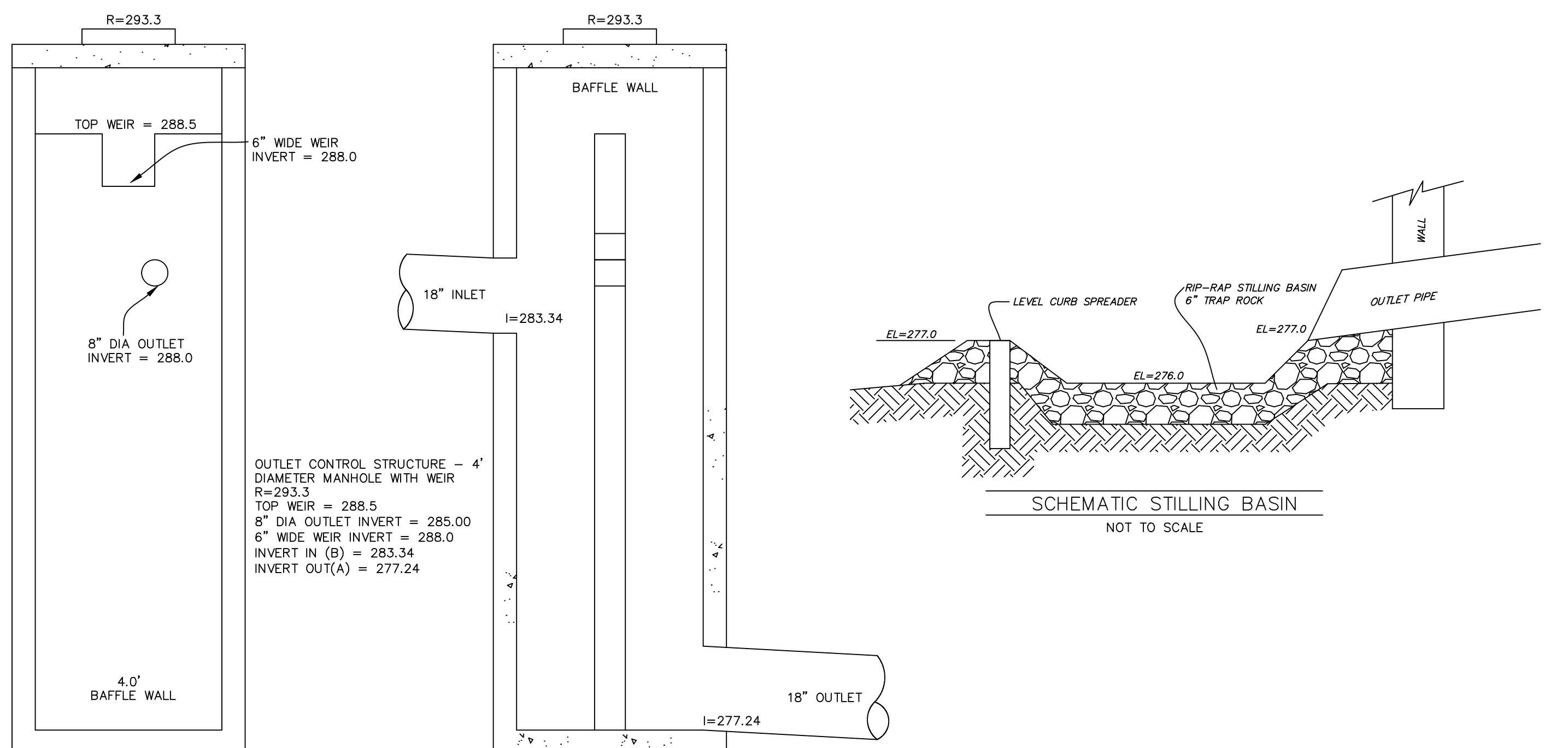
MAINTENANCE PORT
FOR R-TANK®, R-TANK®, AND R-TANK® SD

FOR ADDITIONAL INFORMATION PLEASE CONTACT: ACF ENVIRONMENTAL, 1-800-448-3636, www.acfenvironmental.com



R-TANK CHAMBER TYPICAL DETAIL

NOT TO SCALE

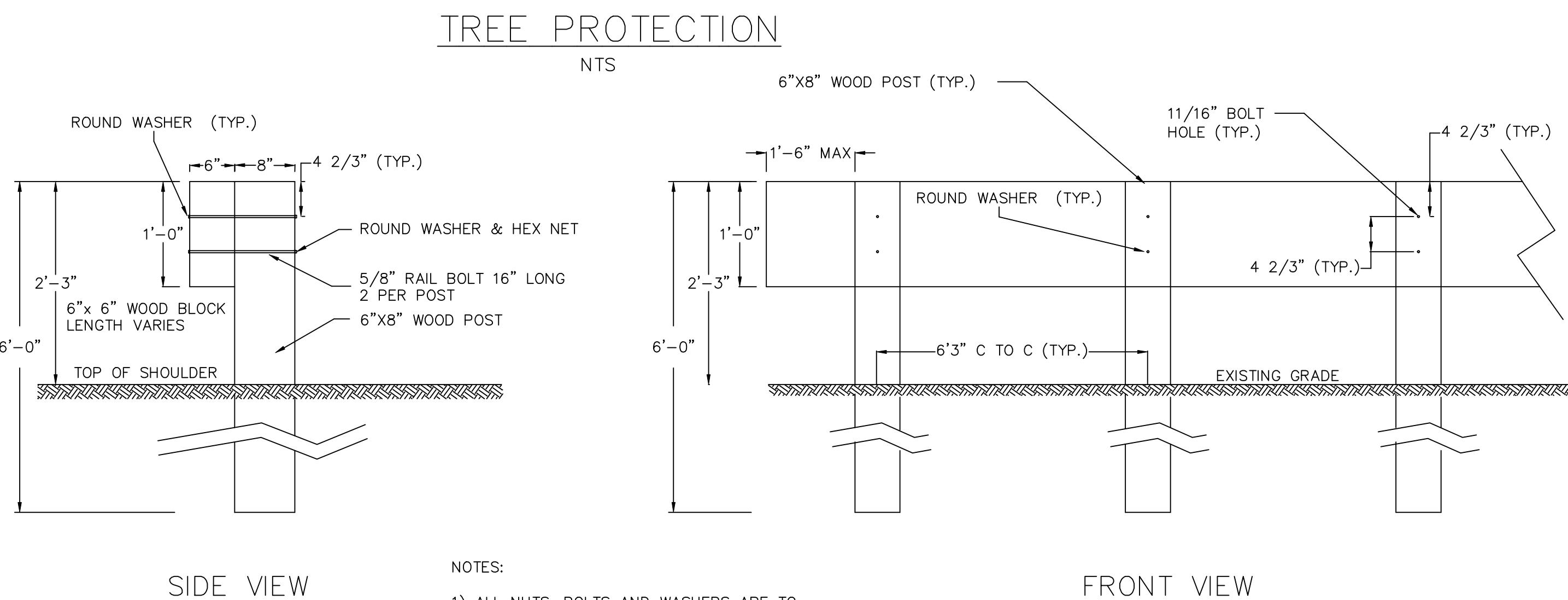
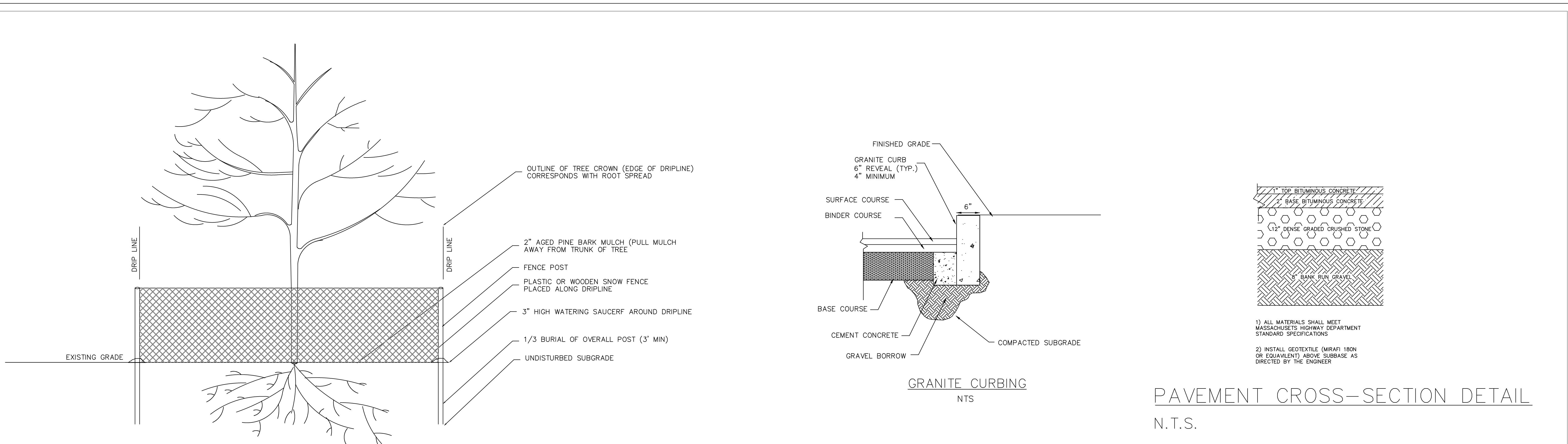


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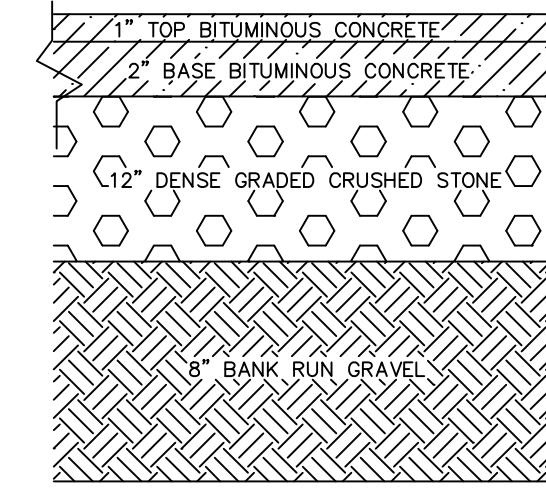
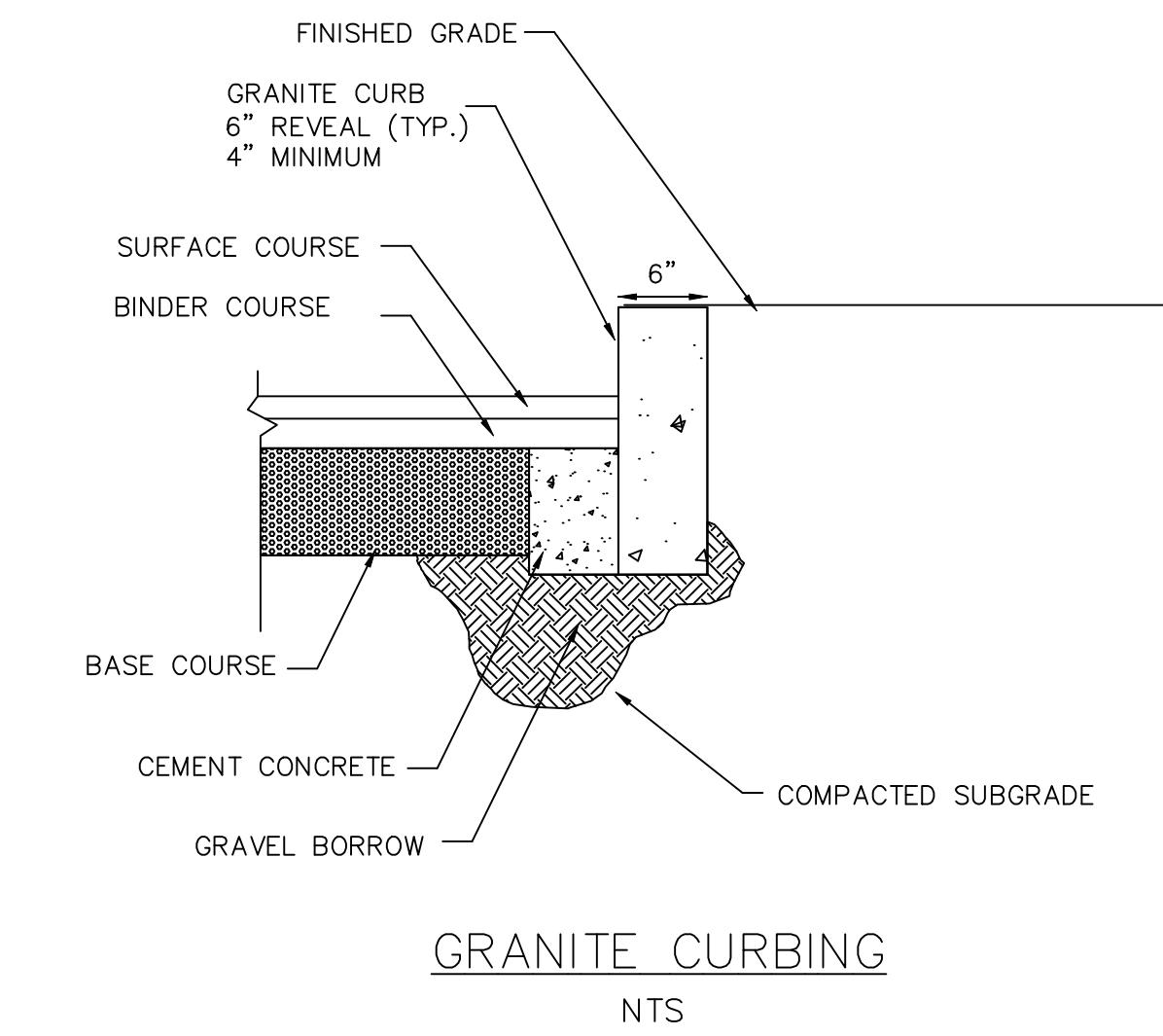
Design/Order/Order Ref	Rev. #	Date

DRAWING DESCRIPTION	
DETAIL SHEET	RED ROBIN PASTURES
COUNTY STREET, DOVER, MA	

DRAWING DESCRIPTION	
Signature ARCHITECTURE	73 Bishop Road, Sharon, MA 02067 781 806-0063

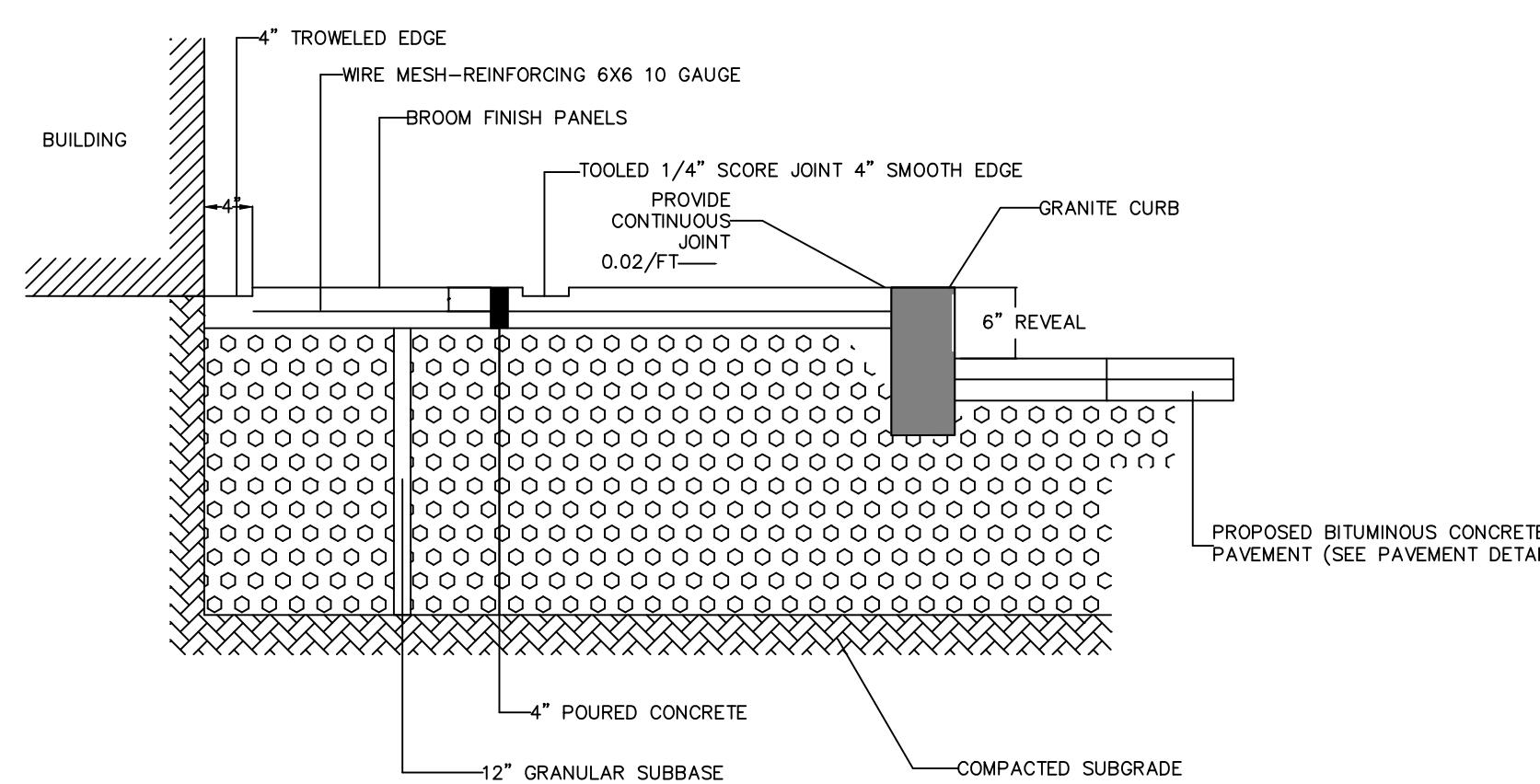
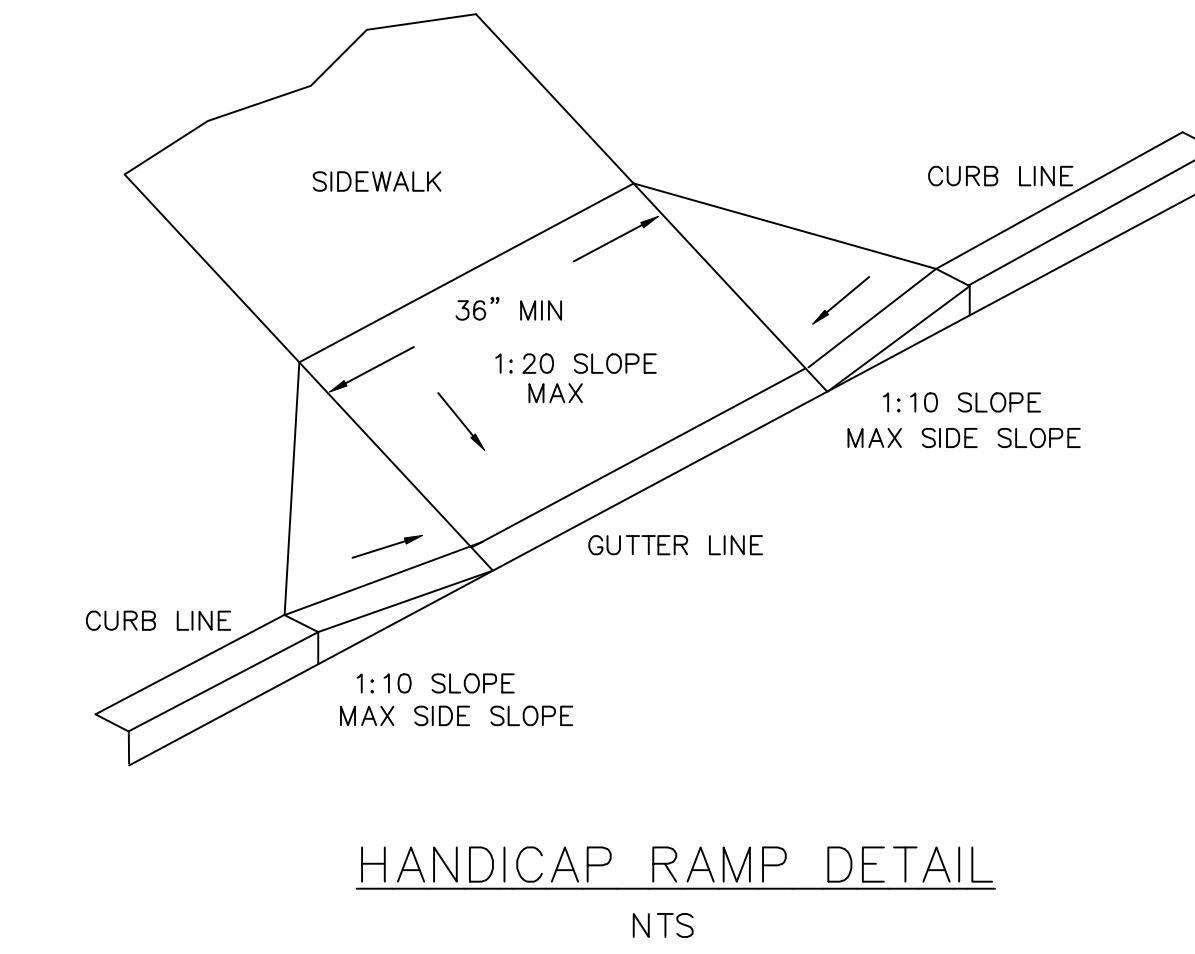


WOODEN GUARDRAIL
NTS



- 1) ALL MATERIALS SHALL MEET MASSACHUSETTS HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS
- 2) INSTALL GEOTEXTILE (MIRAFI 180N OR EQUIVALENT) ABOVE SUBBASE AS DIRECTED BY THE ENGINEER

PAVEMENT CROSS-SECTION DETAIL
N.T.S.

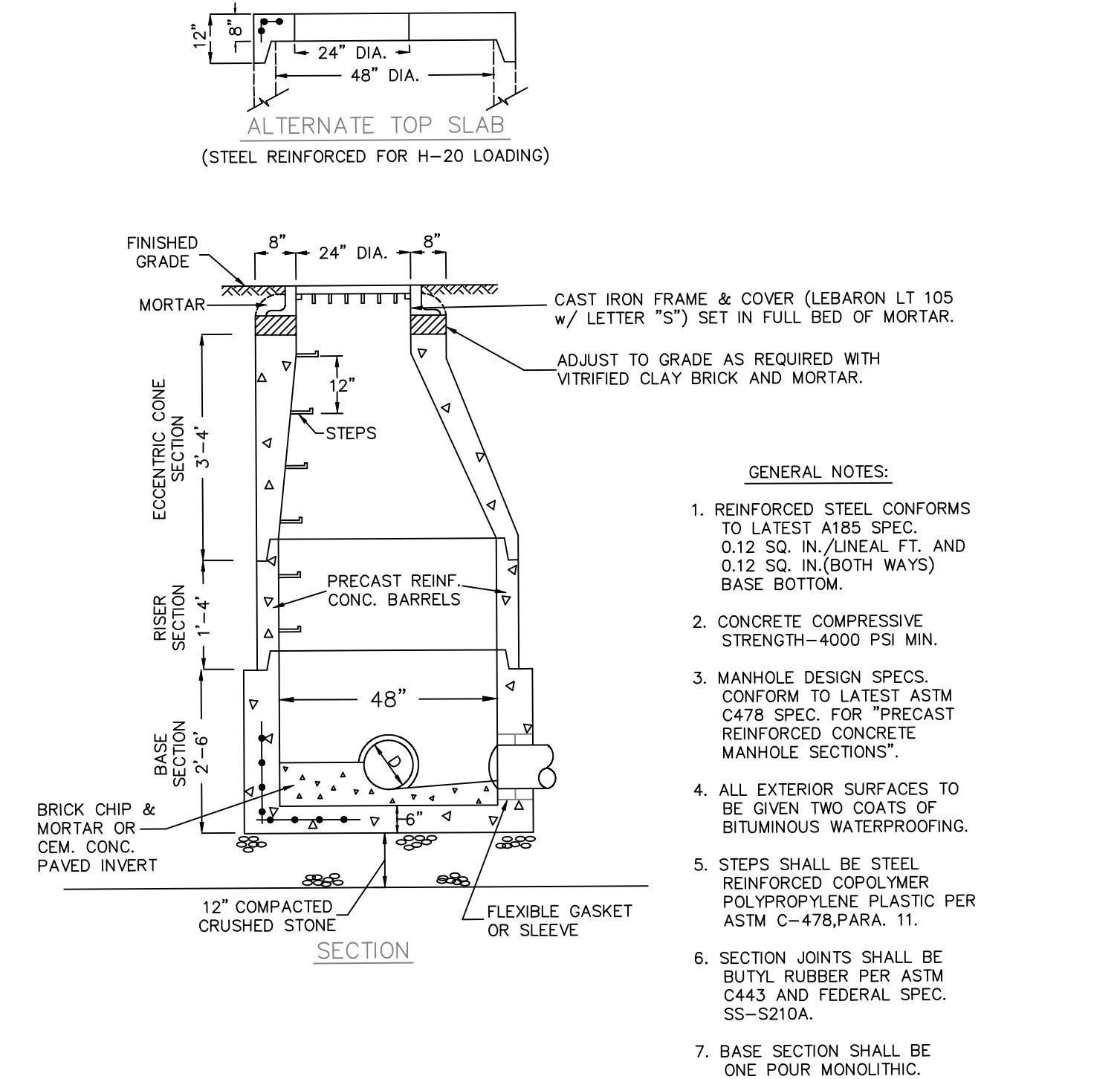
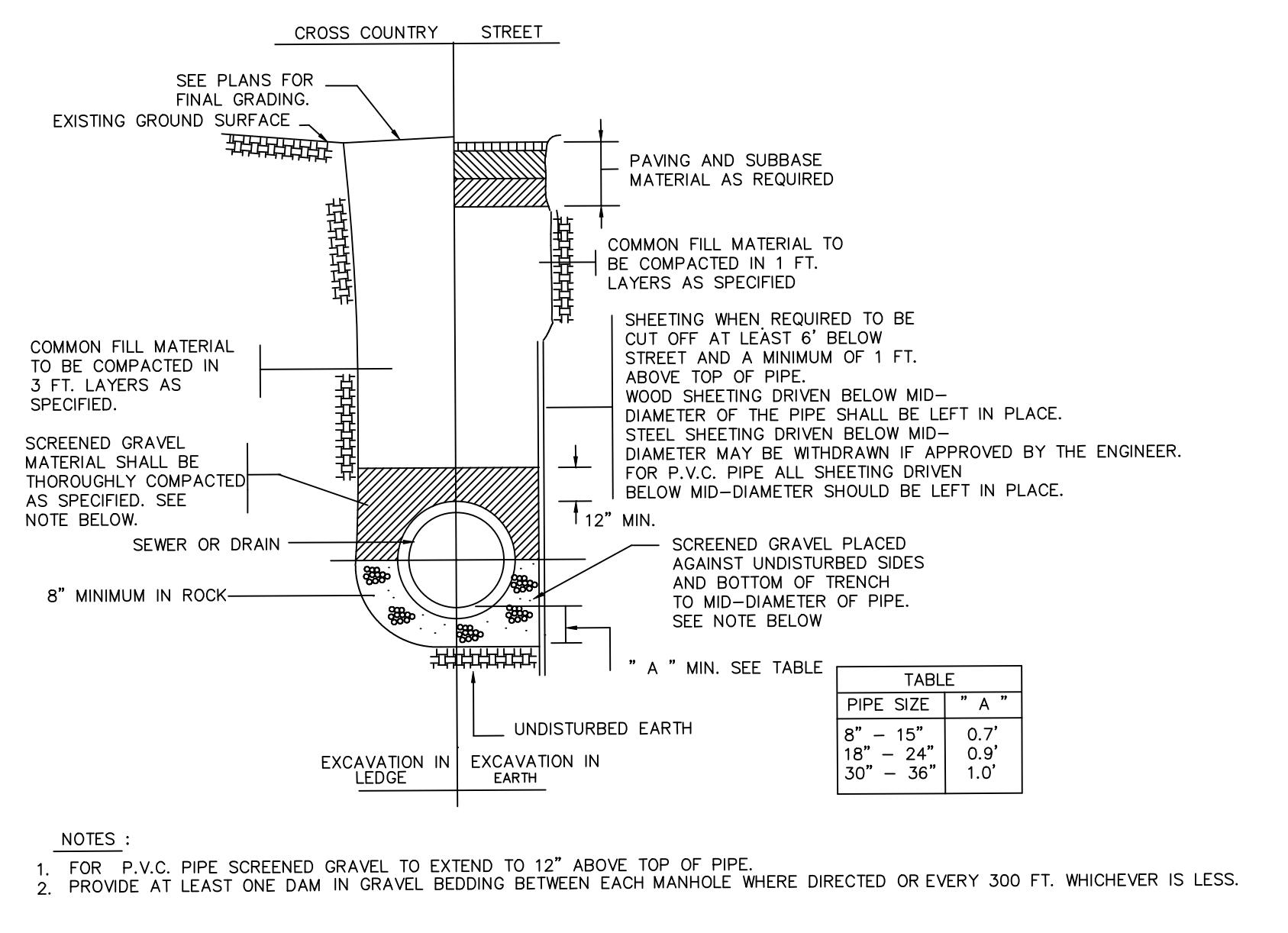
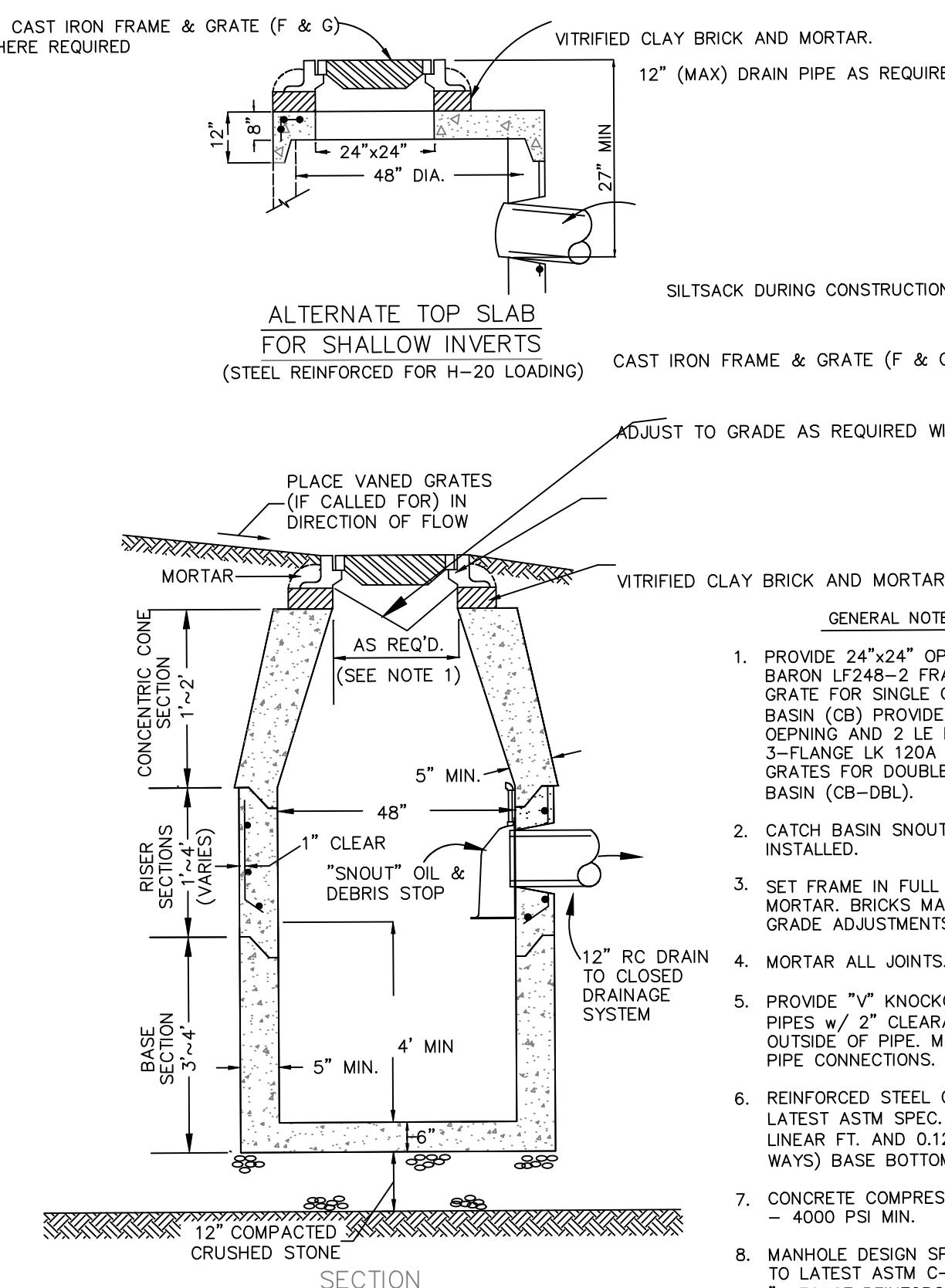
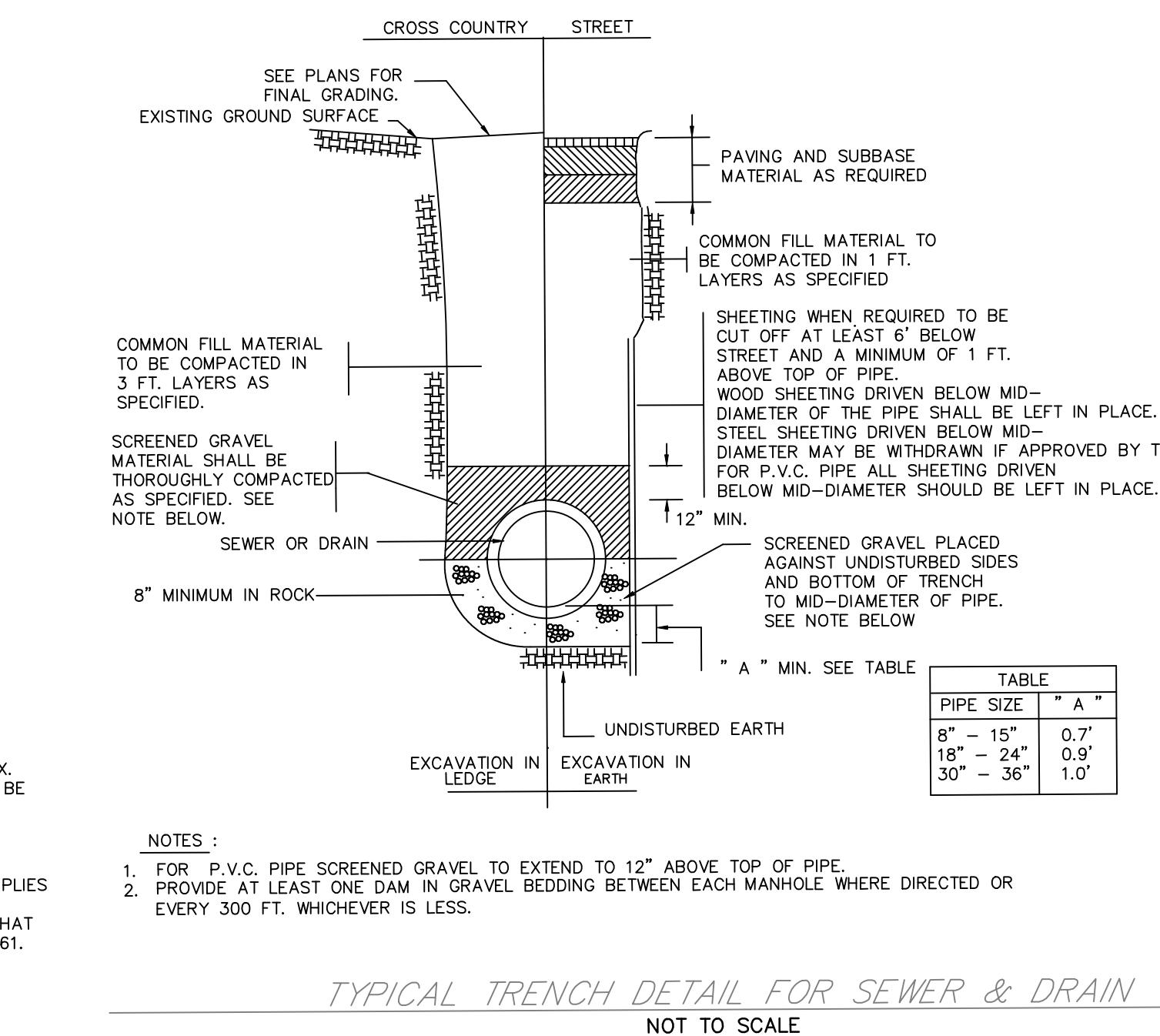
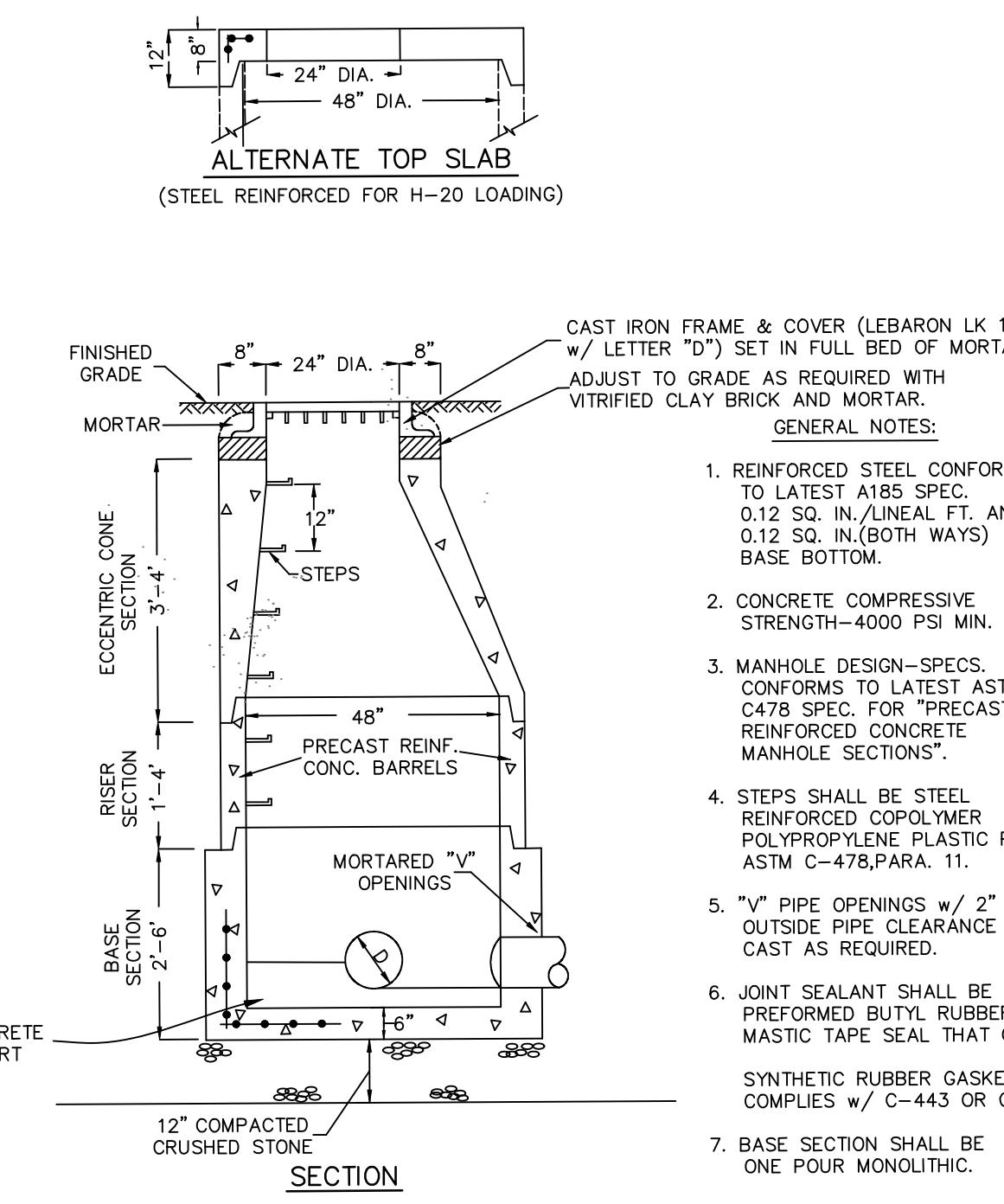
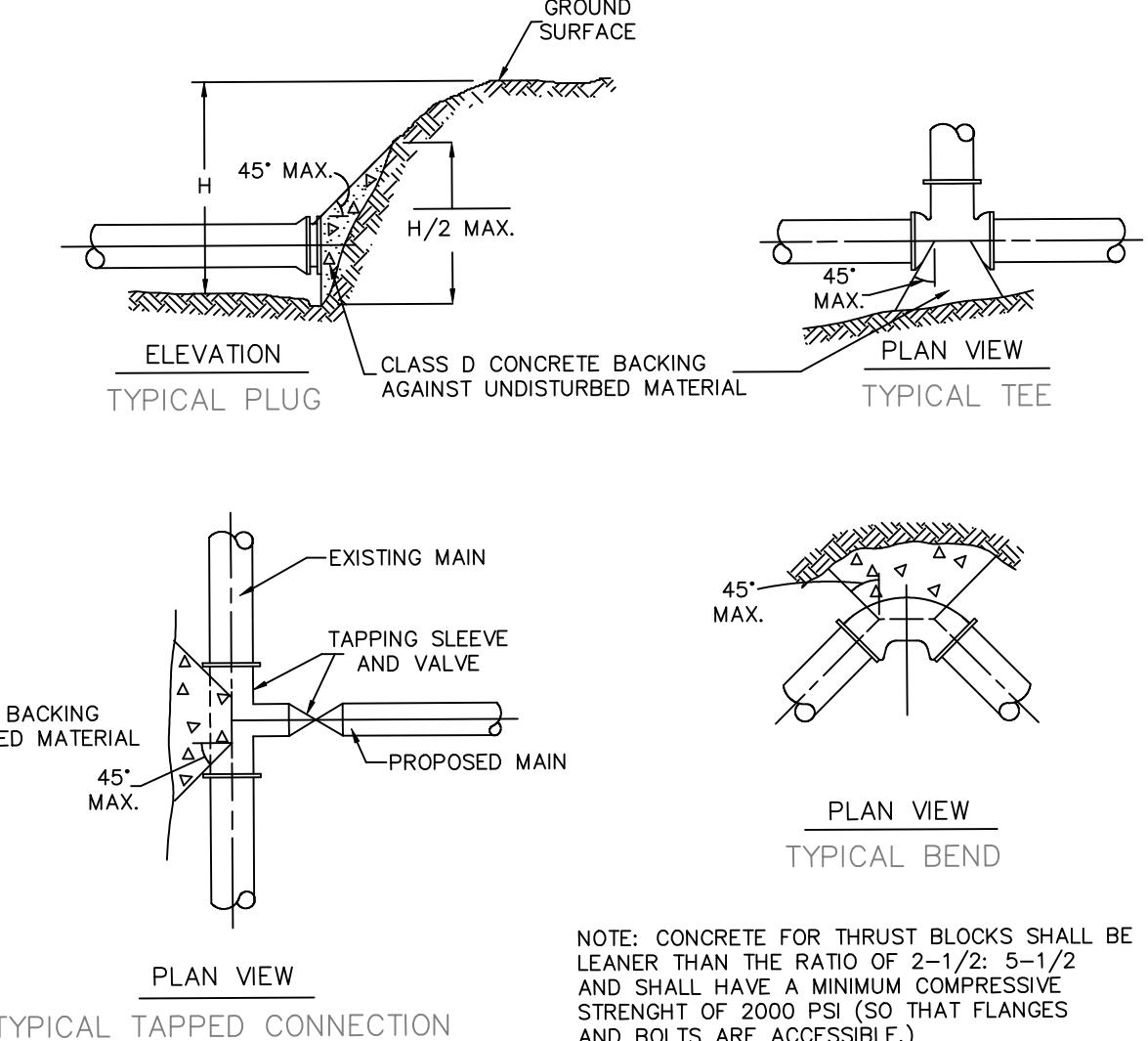
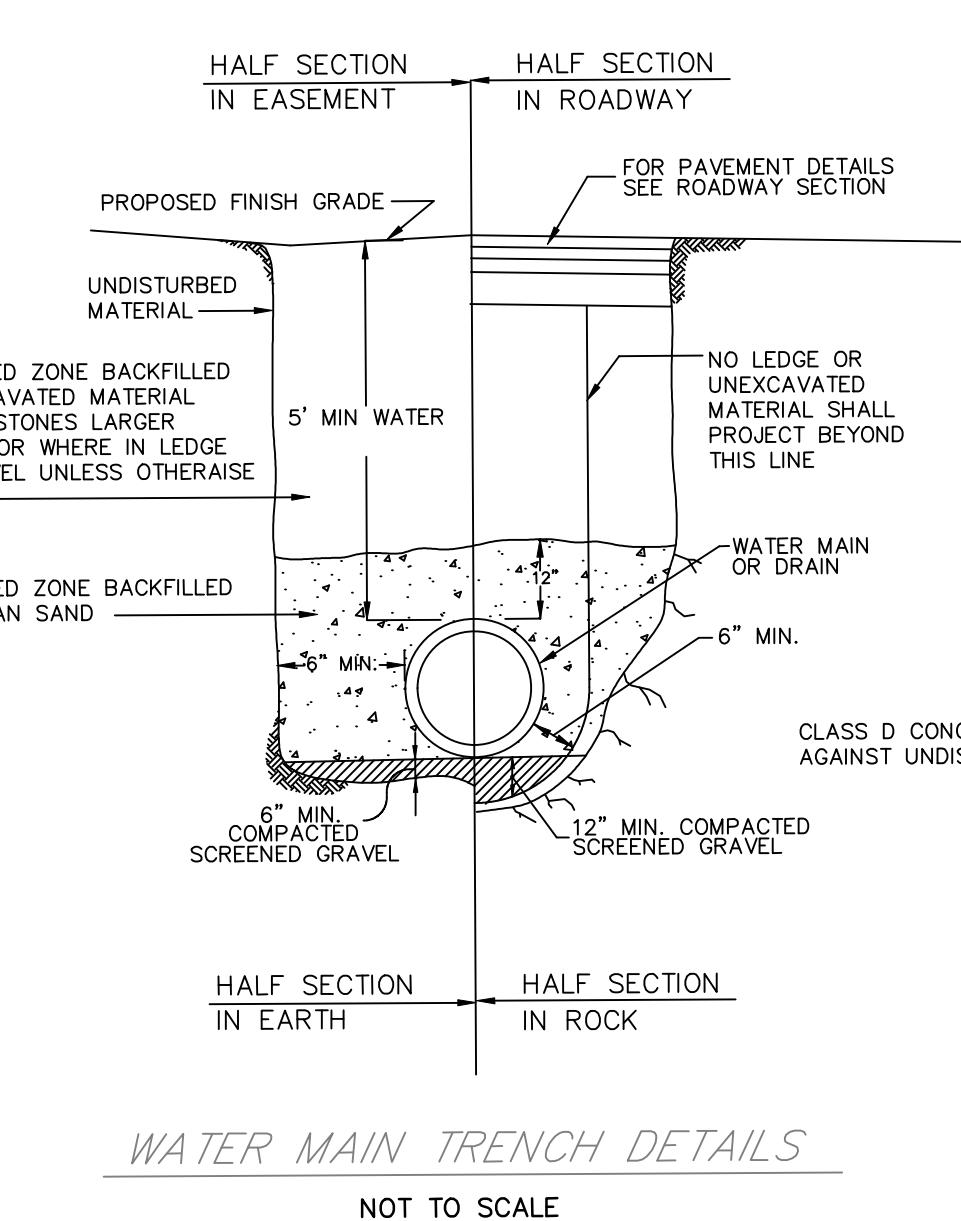


Design/Prepared/Drawn by:	Rev. #:	Date:
RT	3	09/21/21
		10/28/21

Design/Prepared/Drawn by:	Rev. #:	Date:

Drawing Description		Detail Sheet
Signature	Architect	RED ROBIN PASTURES COUNTY STREET, DOVER, MA

Design & Drafting services performed by:	
Signature	Architect
73 Bishop Road, Sharon, MA 02067	781 806-0063



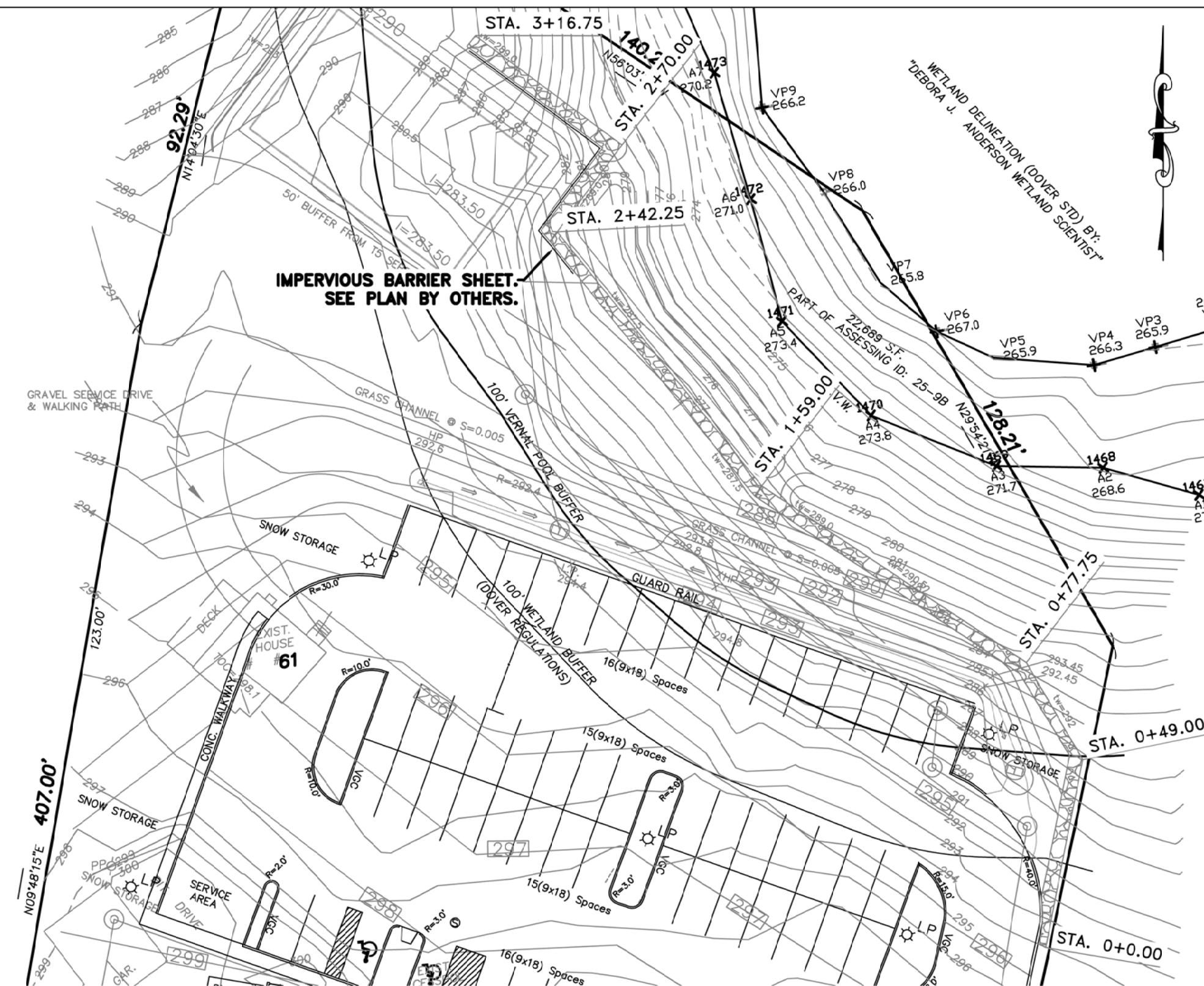
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Checklist	Rev. #	
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Date _____

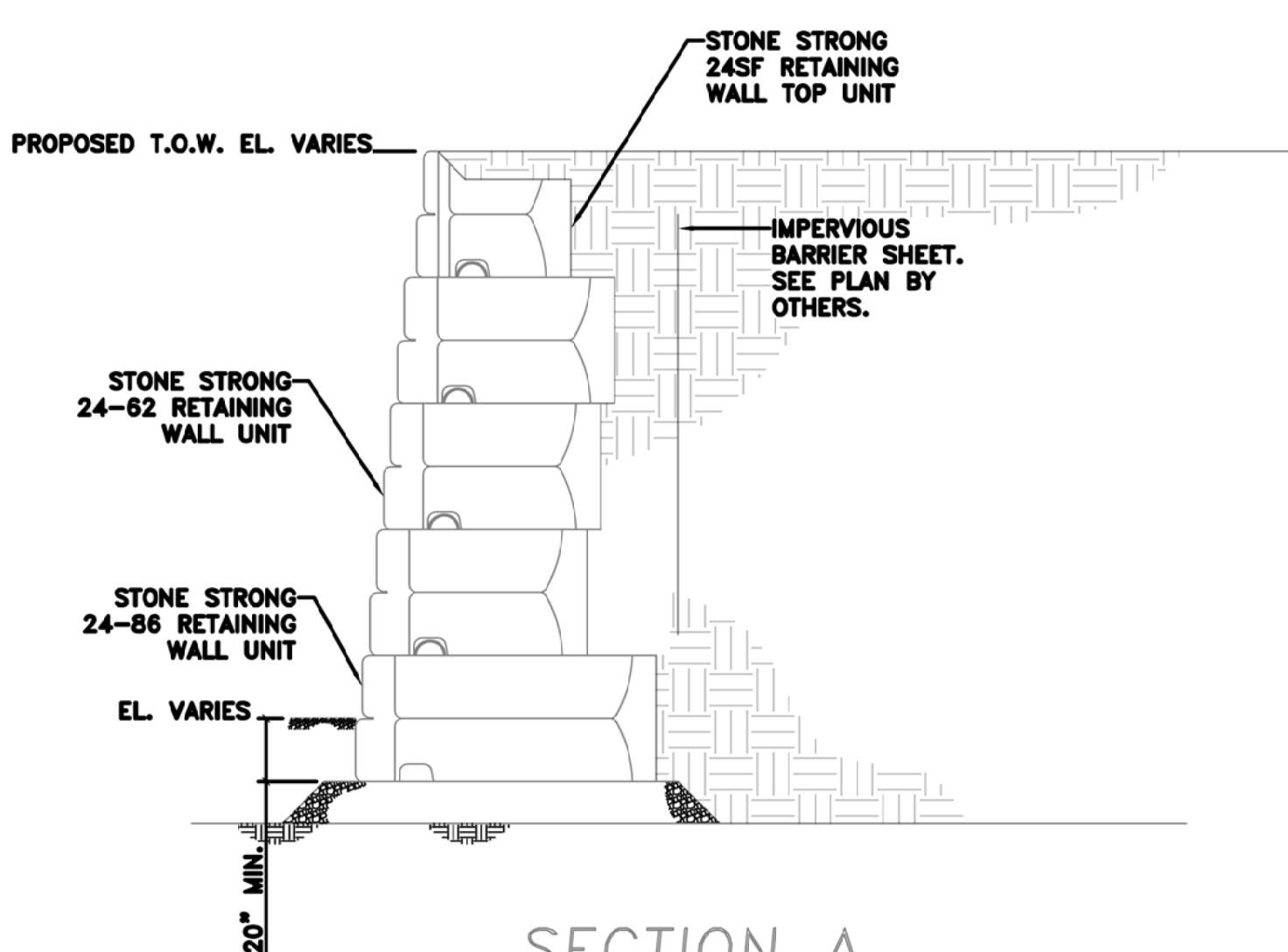
Drawing Description: **DETAIL SHEET
RED ROBIN PASTURES
COUNTY STREET, DOVER, MA**

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ARCHITECTURE**
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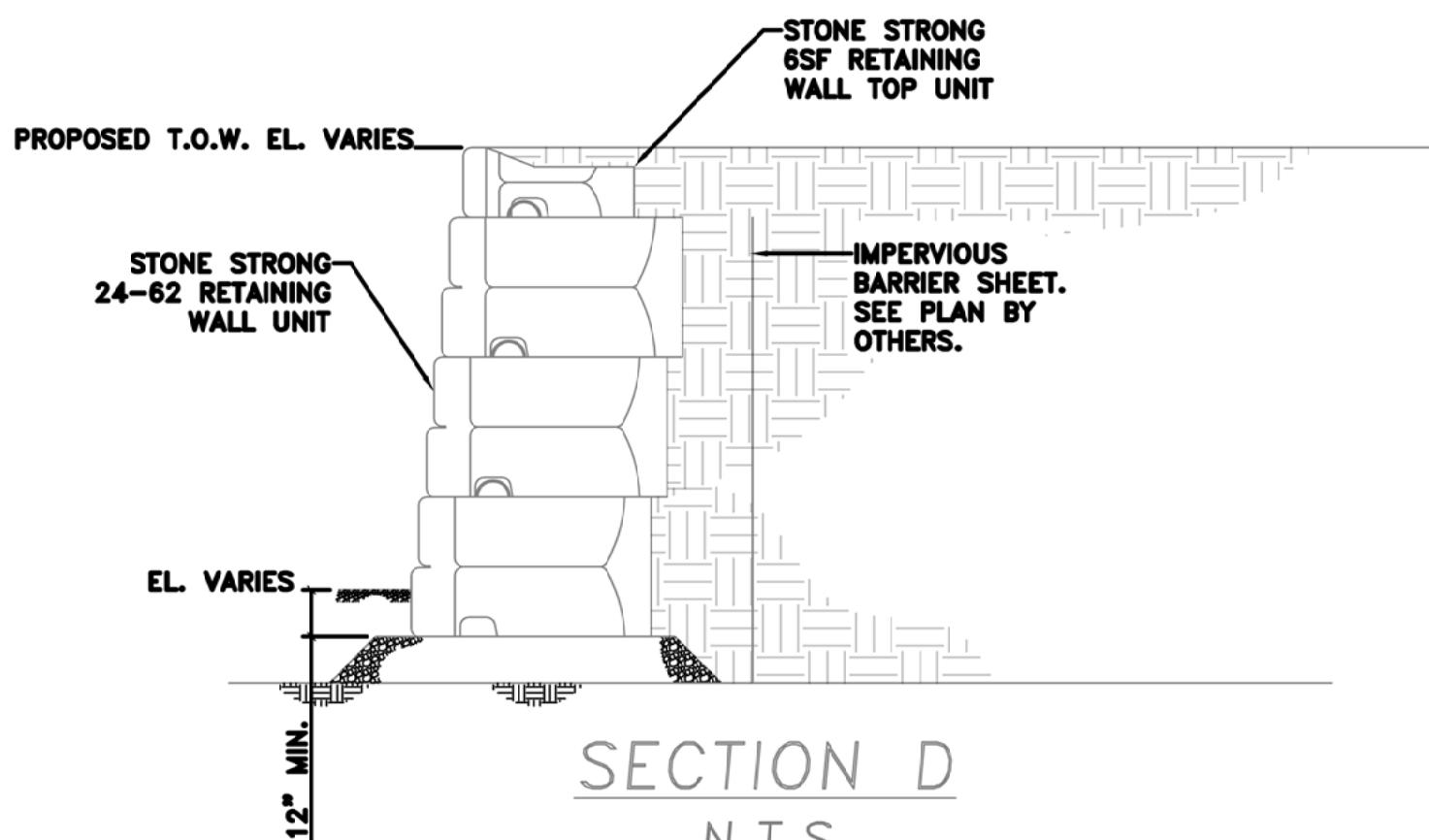
Sheet No. **C12**



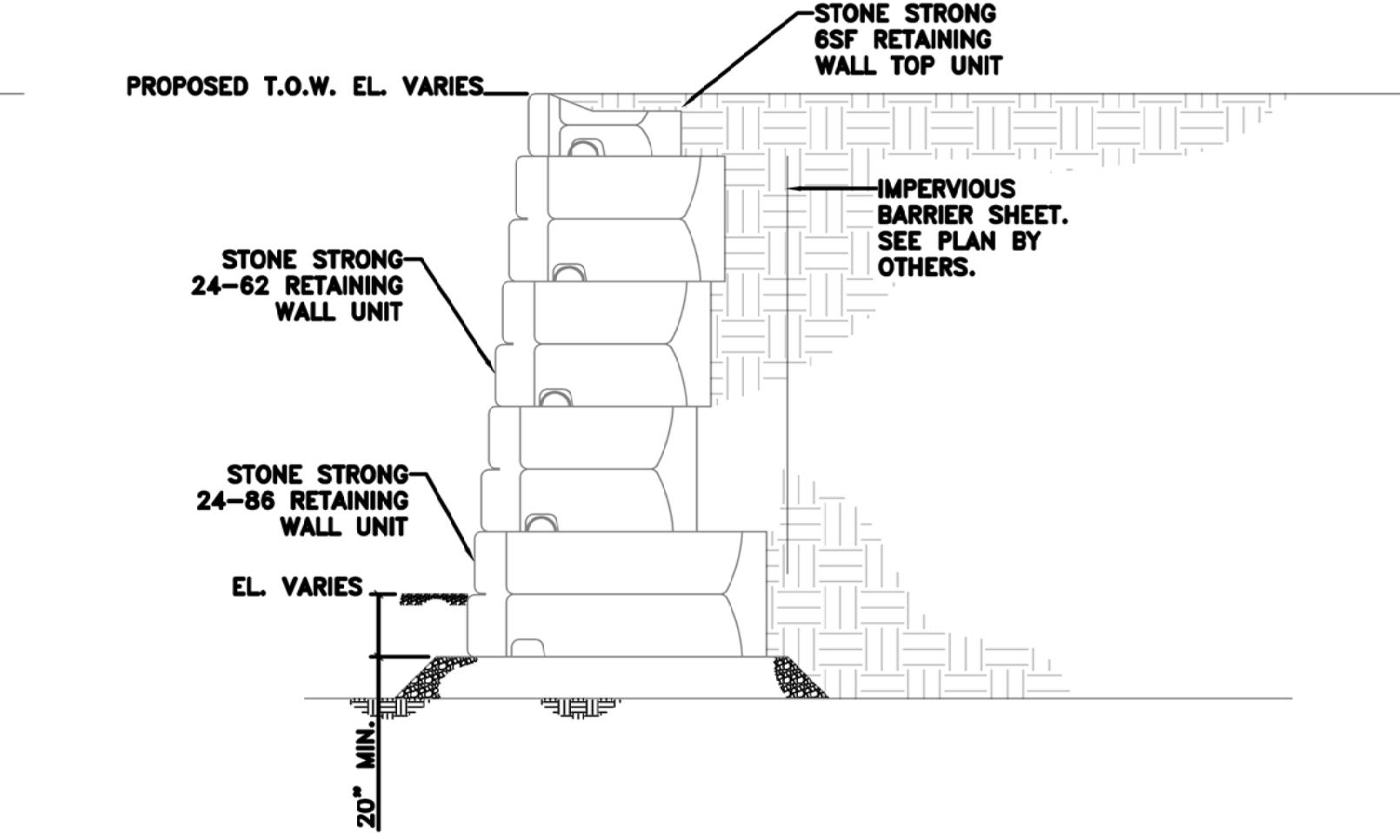
PLAN VIEW
1" = 30'-0"



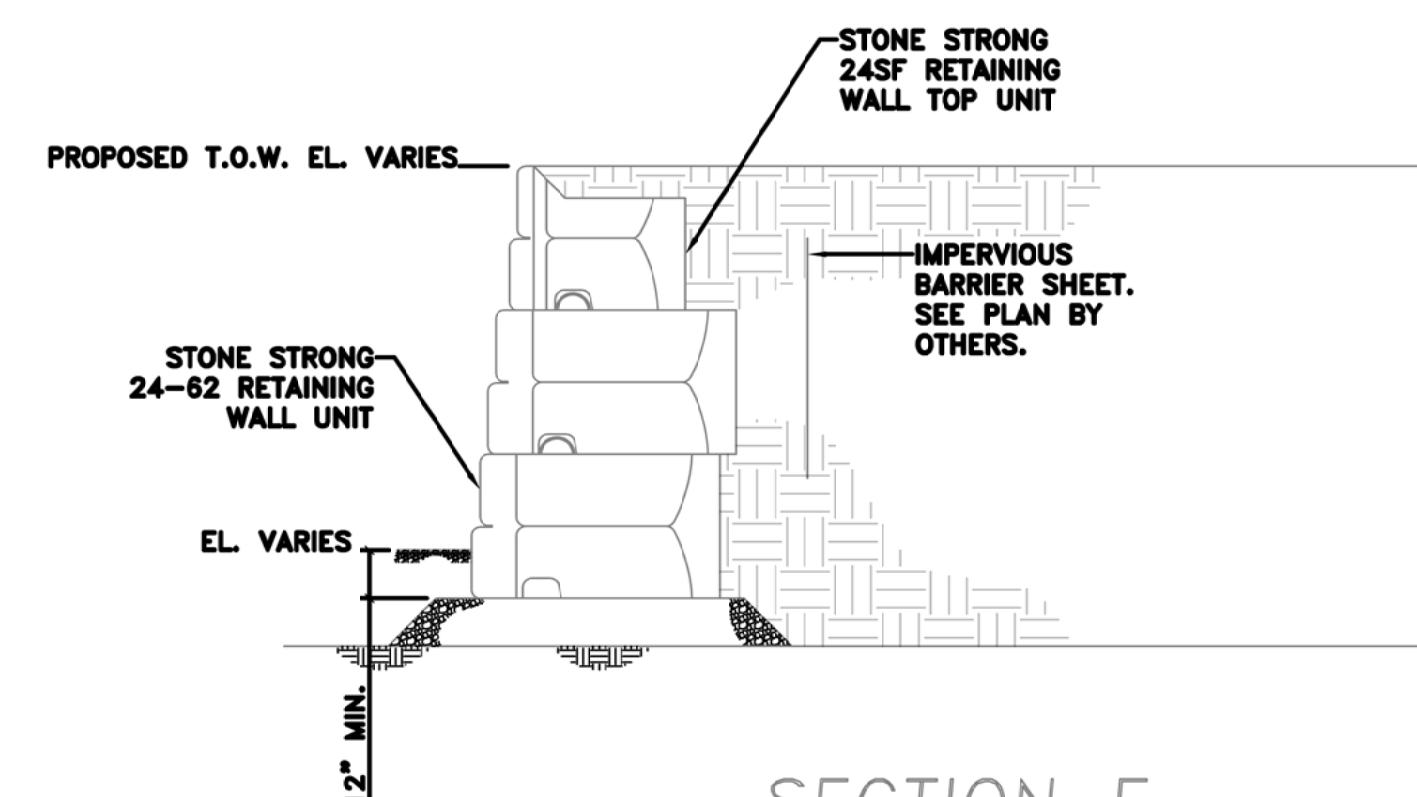
SECTION A
N.T.S.



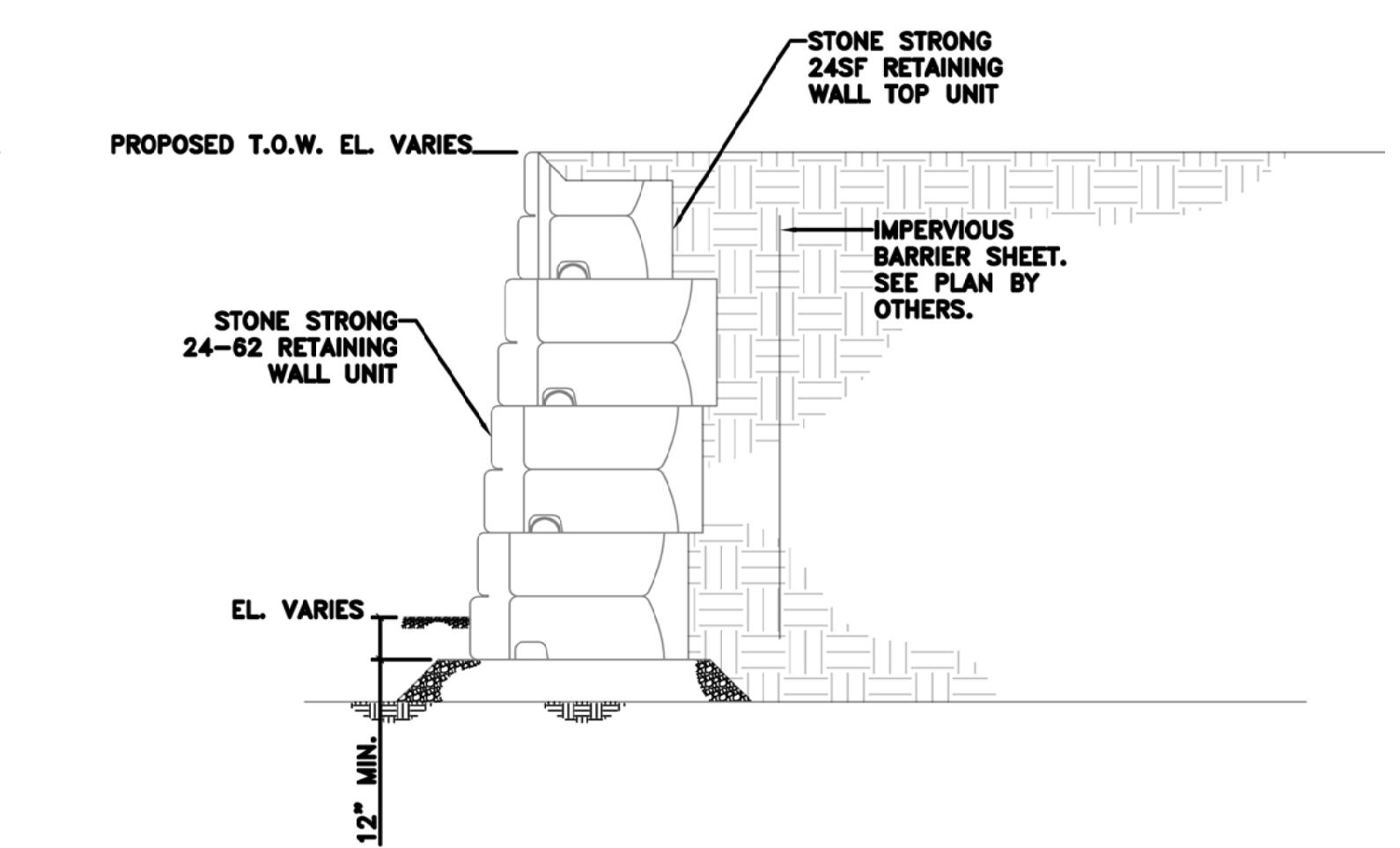
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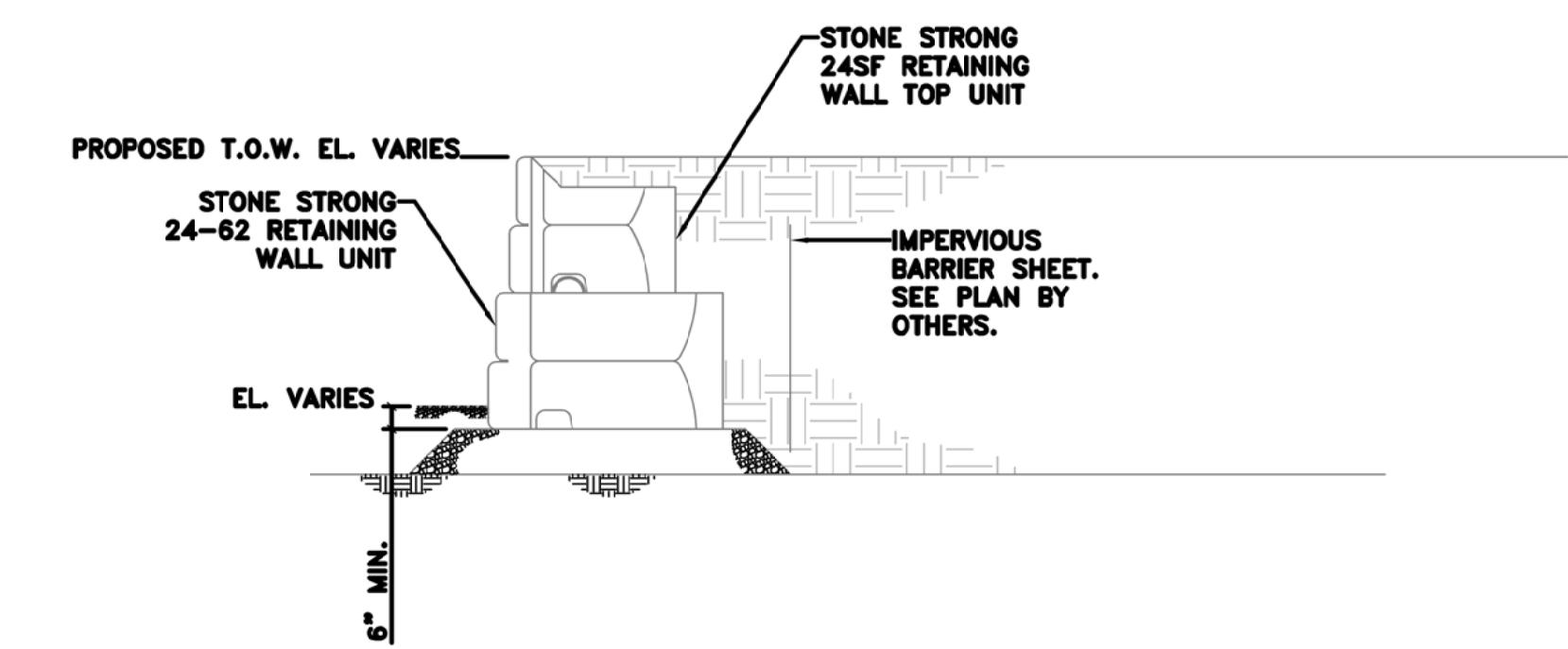
SECTION B
N.T.S.



SECTION E
N.T.S.



SECTION C
N.T.S.



SECTION F
N.T.S.



GENERAL NOTES

THIS DESIGN HAS BEEN PREPARED IN ACCORDANCE WITH THE NATIONAL CONCRETE MASONRY ASSOCIATION DESIGN MANUAL FOR SEGMENTAL RETAINING WALLS (SRW), SECOND EDITION.

VERIFY EXISTING AND PROPOSED SITE GRADING PRIOR TO COMMENCING CONSTRUCTION.

BASE PLAIN TAKEN FROM "PROPOSED CONDITIONS PLAN" DATED 09/12/20 PREPARED BY OTHERS.

THE LOCATION OF EXISTING OR PROPOSED UTILITIES MUST BE VERIFIED PRIOR TO CONSTRUCTION. NOTIFY THE DESIGN ENGINEER IMMEDIATELY IF EXISTING OR PROPOSED UTILITIES INTERFERE WITH THE INSTALLATION OF ANY PORTION OF RETAINING WALL.

PROVIDE FIELD CONTROL OF ALL REINFORCED BACKFILL IN ACCORDANCE WITH SECTION 1804.3.3 OF THE MASSACHUSETTS STATE BUILDING CODE.

INSTALLATION NOTES:

INSTALLATION NOTES: ELEVATE ALL SLOPES IN THE FIELD BY A COMPETENT PERSON PER OSHA REQUIREMENTS. PREVENT DISTURBANCE OF ALL EXPOSED SLOPES AND BENCHES. COVER EXPOSED SLOPES WITH TAUPALINS OR OTHER SIMILAR COVERINGS TO PREVENT EROSION OR WEATHERING.

EXCAVATE AND LEVEL THE SUBGRADE OF WALL AND REINFORCED OR INFILL SOIL ZONE. VERIFY THE CAPACITY OF THE SUBGRADE TO SUPPORT THE WALL. PREPARE SUBGRADE AT WALL AS NEEDED TO CONFORM WITH THE MINIMUM SUBGRADE DESIGN REQUIREMENTS.

INSTALL COMPACTED BASE. BASE MUST EXTEND 6-INCHES (MIN.) IN FRONT, 6-INCHES (MIN.) BEHIND, AND 12-INCHES (MIN.) BELOW THE FIRST COURSE OF UNITS.

SEE WALL SECTIONS FOR MINIMUM EMBEMLMENT REQUIREMENTS. JOINTS BETWEEN ADJACENT UNITS SHOULD ALIGN WITH THE MIDDLE OF THE UNIT ABOVE TO CREATE A RUNNING BOND.

PLACE SEGMENTAL CONCRETE BLOCK UNITS TO THE LIMITS SHOWN ON THIS DRAWING AND IN ACCORDANCE WITH NOTES. INFILL SOIL WITHIN THE REINFORCED ZONE MUST MEET THE GRADATION REQUIREMENTS CONTAINED ON THIS DRAWING. COMPACT ALL INFILL SOIL WITHIN THE REINFORCED ZONE TO AT LEAST 95% DENSITY AS DETERMINED BY ASTM D1557.

CONSTRUCT WALL WITH 2 INCH SET BACK PER 3'-0" COURSE IN SECTIONS SHOWN ON THESE DRAWINGS.

CONCRETE:

ALL CONCRETE WORK SHALL CONFORM TO THE LATEST EDITION OF THE ACI BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318) AND THE COMMONWEALTH OF MASSACHUSETTS STATE BUILDING CODE. IN CASE OF CONFLICT, THE STATE BUILDING CODE SHALL GOVERN.

ALL CONCRETE SHALL BE CONTROLLED CONCRETE, MIXED AND PLACED UNDER THE SUPERVISION OF AN APPROVED CONCRETE TESTING AGENCY.

CONCRETE SHALL BE NORMAL WEIGHT CONCRETE WITH SAND AND GRAVEL AGGREGATE, TYPE I OR TYPE II PORTLAND CEMENT HAVING A MINIMUM COMPRESSIVE STRENGTH (f_c) IN 28 DAYS OF 4000 PSI.

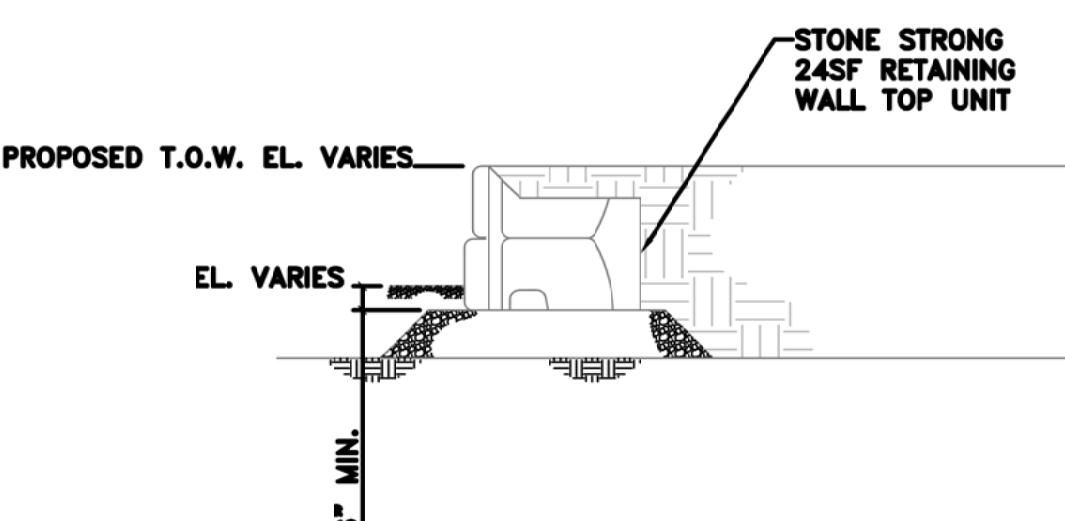
ALL CONCRETE SHALL BE AIR ENTRAINED 6% ($\pm 1\%$).

CONCRETE CAST ON SLOPED SURFACES SHALL BEGIN AT THE LOWEST ELEVATION AND CONTINUE MONOLITHICALLY TOWARD THE HIGHER ELEVATIONS UNTIL THE INTENDED POUR IS COMPLETED.

REINFORCING:

ALL CONCRETE REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60 EXCEPT WHERE NOTED. ALL REINFORCING BARS TO BE WELDED SHALL CONFORM TO ASTM A706. REINFORCING BARS MAY NOT BE WELDED WITHOUT PRIOR APPROVAL OF THE STRUCTURAL ENGINEER.

DETAILED OF CONCRETE REINFORCEMENT AND ACCESSORIES SHALL BE IN ACCORDANCE WITH ACI 315 - "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES," LATEST EDITION.



SECTION G
N.T.S.

Design/Drawn/Revised	Date
3	29/2/21
4	10/2/21
Scanned	
Date	12/18/20

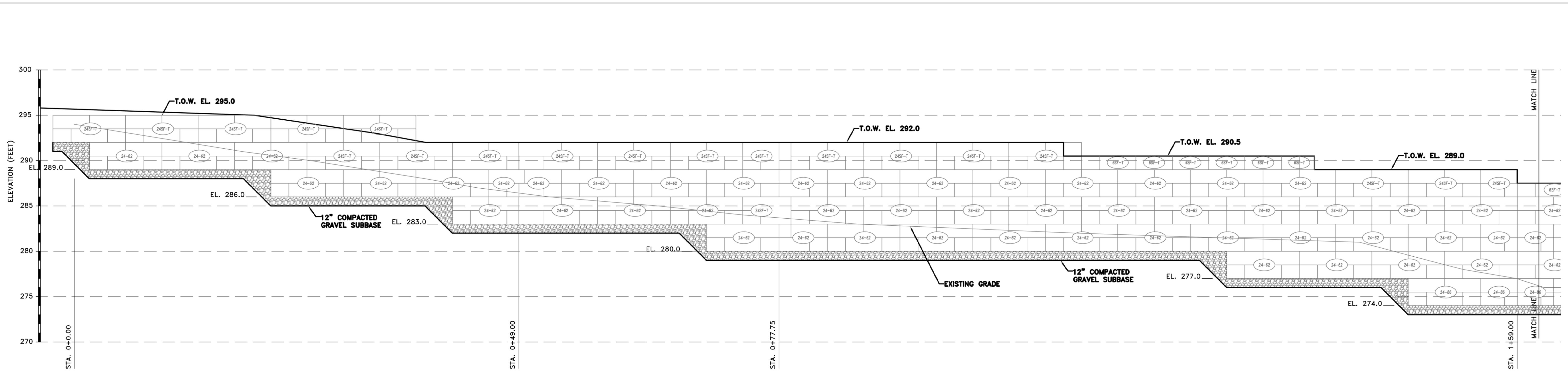
Geotechnical Consultants, Inc.

201 Boston Post Road West, Marlborough, MA 01752
(508)229-0900 FAX (508)229-2279

Retaining Wall Sect.s & Elev.s
Red Robin Pastures
County Street, Dover, MA

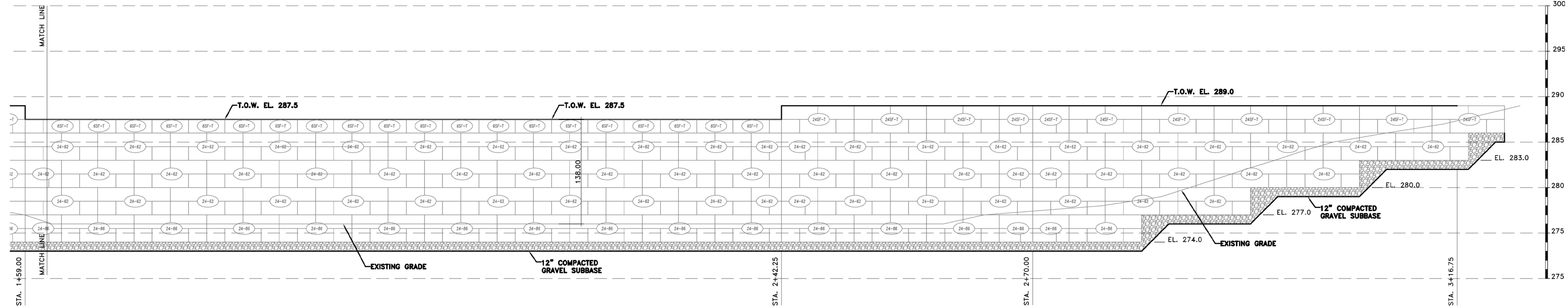
Design & Drafting services performed by:
Signature Designers
Architectural Designers
73 Bishop Road, Sharon, MA 02067 781 806-0063

Sheet No.
C13



ELEVATION VIEW

$$\frac{3}{16}'' = 1' - 0''$$



ELEVATION VIEW

$$\frac{3}{16}'' = 1' - 0''$$

Geotechnical Consultants, Inc.

201 Boston Post Road West, Marlborough MA 01752

RETAINING WALL SECT.S & ELEV.S
RED ROBIN PASTURES
COUNTY STREET, DOVER, MA

The logo for Signature Designs Architecture. It features a large, bold, stylized letter 'Y' on top, with a smaller 'A' positioned below and to the right of it. The entire logo is enclosed in a black rectangular border. Below the logo, the company name 'Signature Designs' is written in a bold, italicized, black serif font. Underneath that, 'ARCHITECTURE' is written in a larger, bold, black sans-serif font.

Sheet No. **C14**



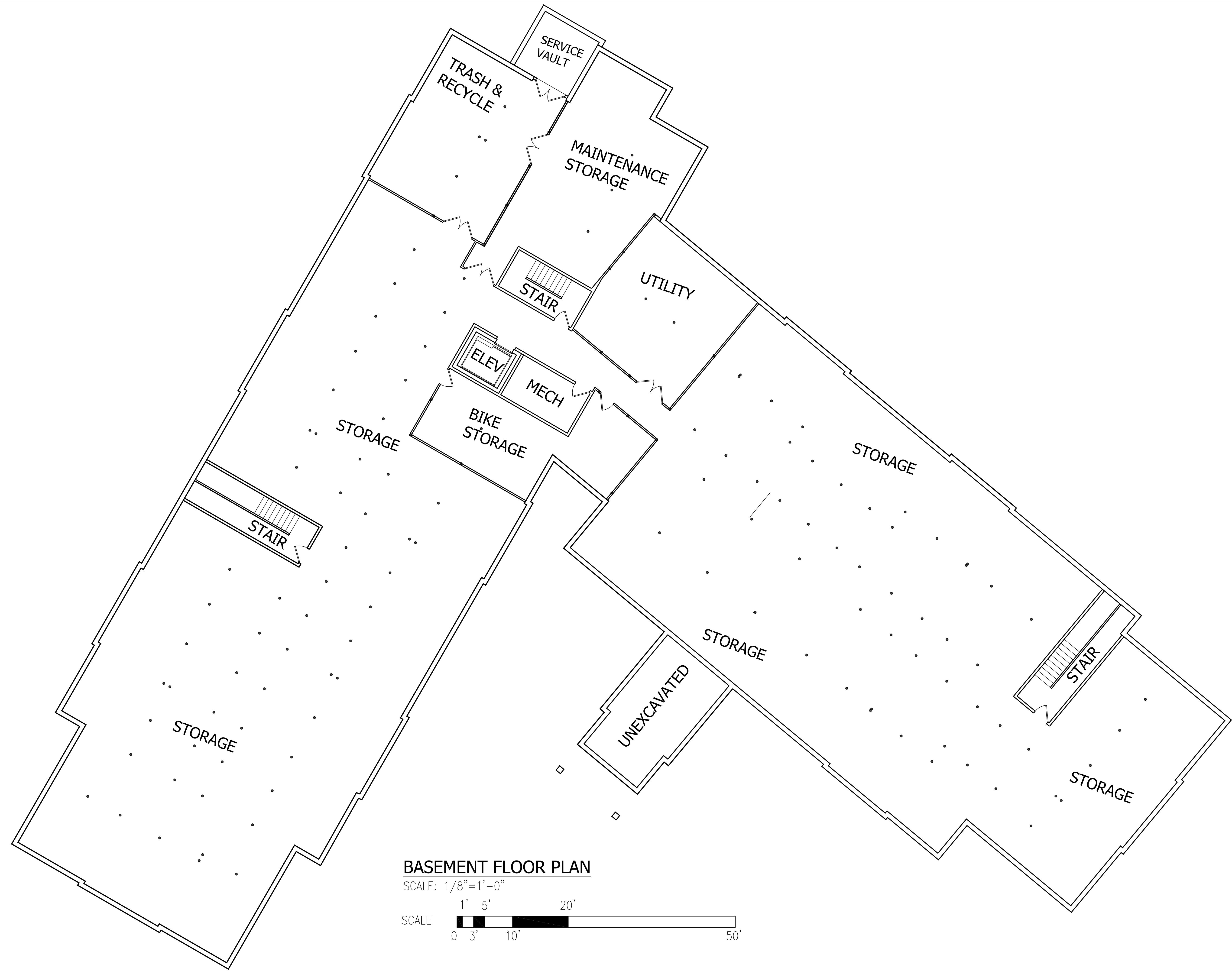
Drawing Description
**1ST FLOOR PLAN
RED ROBIN PASTURES
COUNTY STREET, DOVER, MA**

Design & Drafting services performed by:

Signature Designs
ARCHITECTURE

773 Bishop Road, Sharon, MA 02067 781 806-0063

Sheet No.
A1



Design & Drafting services performed by:
Signature Designers
ARCHITECTURE
73 Bishop Road, Sharon, MA 02067 781.886.0063

Drawing Description
BASEMENT FLOOR PLAN
RED ROBIN PASTURES
COUNTY STREET, DOVER, MA

Sheet No.
A1.0

Designer/Drafter	Rev. #	Date
HB	3	09/21/21
AS NOTED	4	10/28/21
		08/31/21



Drawing Description: 2ND FLOOR PLAN
RED ROBIN PASTURES
COUNTY STREET, DOVER, MA

Signature Designers
ARCHITECTURE
73 Bishop Road, Sharon, MA 02067 781.886.0063

A2

Designer/Drafter: HB
Rev. #: 3
Date: 09/21/21
Scale: AS NOTED
Date: 10/28/21
08/31/21



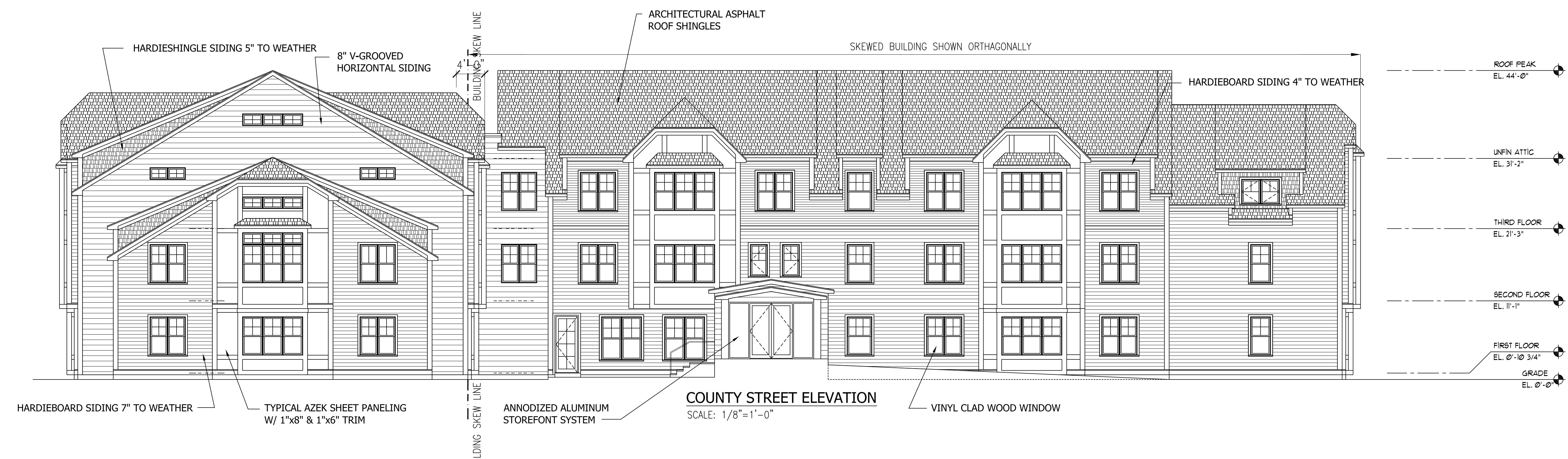
Drawing Description:
3RD FLOOR PLAN
RED ROBIN PASTURES
COUNTY STREET, DOVER, MA

Design & Drafting services performed by:
Signature Designers
ARCHITECTURE
73 Bishop Road, Sharon, MA 02067 781.886.0063

Sheet No.
A3

Designer/Drafter: HB
Rev. #: 3
Date: 09/21/21
Scale: AS NOTED
Date: 10/28/21
08/31/21



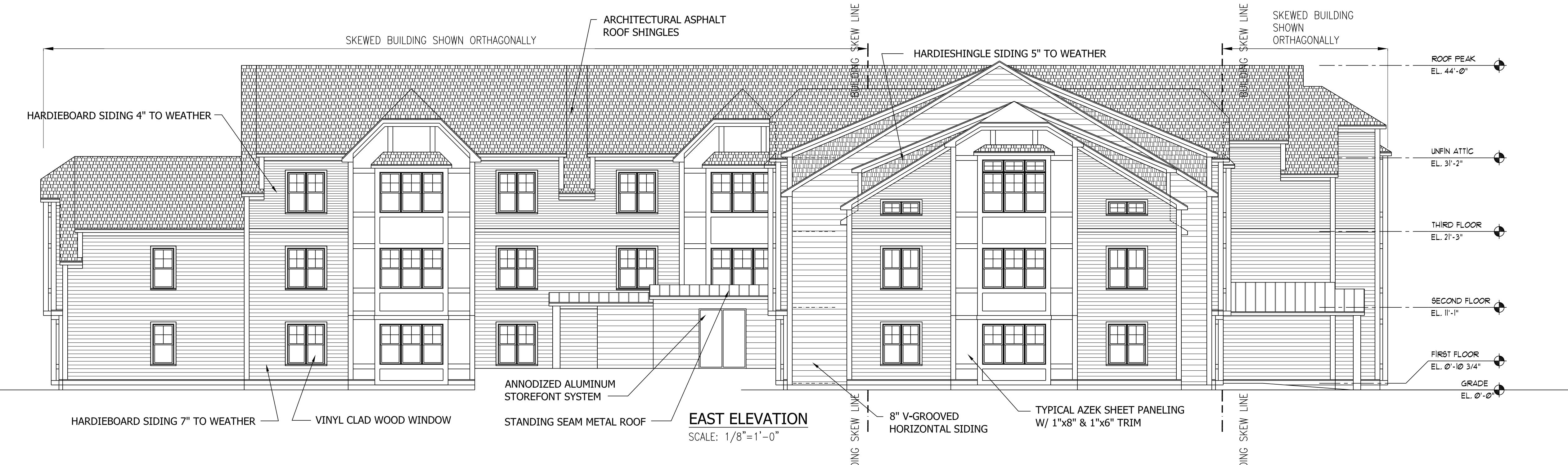


Drawing Description
STREET & PARKING LOT ELEVATIONS
RED ROBIN PASTURES
COUNTY STREET, DOVER, MA

Design & Drafting services performed by:
Signature Designers
ARCHITECTURE
73 Bishop Road, Sharon, MA 02067 781.806.0063

Sheet No.
A5

Designer/Drafter	Rev. #	Date
HB	3	09/21/21
AS NOTED	4	10/28/21
08/31/21		



Drawing Description
EAST & WEST ELEVATIONS
RED ROBIN PASTURES
COUNTY STREET, DOVER, MA

Design & Drafting services performed by:
Signature Designers
ARCHITECTURE
73 Bishop Road, Sharon, MA 02067 781.806-0063

Sheet No.
A6

Designer/Drafter	Rev. #	Date
HB	3	09/21/21
AS NOTED	4	10/28/21

LANDSCAPE NOTES
NOTIFY DIG-SAFE AT 1-888-DIG-SAFE AND LOCAL AUTHORITIES PRIOR TO ANY TYPE OF SITE PREPARATION OR CONSTRUCTION.

THE CONTRACTOR SHALL SUPPLY ALL PLANT MATERIAL AND MATCH IN SUFFICIENT QUANTITIES TO COMPLETE PLANTING AS SHOWN ON THE DRAWINGS.

DRAWING QUANTITIES TAKE PRIORITY OVER PLANT LIST QUANTITIES.

ALL PLANT MATERIAL SHALL CONFORM TO THE GUIDELINES SET FORTH BY THE AMERICAN NURSERY & LANDSCAPE ASSOCIATION.

ALL TREES AND SHRUBS SHALL BE PLANTED WITH THE 'BEST FACE' SHOWING. ALL PLANTS SHALL BE BALED AND BURLAFFED OR CONTAINER GROWN, UNLESS OTHERWISE APPROVED BY THE LANDSCAPE ARCHITECT.

ALL CONTAINER GROWN STO SHALL BE HEALTHY, VIGOROUS, WELL ROOTED AND ESTABLISHED IN THE CONTAINER IN WHICH THEY ARE GROWING. THEY SHALL HAVE TOPS OF GOOD QUALITY, NO APPARENT INJURY AND IN ALL RESPECTS BE SUITABLE FOR PLANTINGS.

ALL CONIFERS SHALL HAVE DORMANT BUDS AND SECONDARY NEEDLES.

WHERE SPECIFIED, CALIPER SIZE IS TO BE THE OVERDRAFTING FACTOR IN TREE SELECTION. CALIPER SIZE SHALL BE MEASURED 12" ABOVE THE ROOTBALL.

PLANT SUPPORTS SHALL BE USED AS APPROVED BY THE PROJECT LANDSCAPE ARCHITECT.

ALL DISEASED AREAS NOT SHOWN OTHERWISE SHALL BE LOVED AND SEDED AND BLENDED INTO EXISTING GRADE AND CONDITIONS.

PRIOR TO INSTALLING ANY PLANT MATERIAL, THE CONTRACTOR SHALL SUBMIT A LOAM SOIL SAMPLE FOR A ROUTINE, ORGANIC, SALTS, AND NITRATE SOIL TEST. UPON THE RESULTS OF THIS TEST, THE SITE CONTRACTOR SHALL AMEND THE LOAM AS RECOMMENDED, SEND THE SOIL SAMPLE TO THE UNIVERSITY OF MASSACHUSETTS SOIL AND PLANT TISSUE TESTING LABORATORY, WEST EXPERIMENT STATION, G&2 NORTH PLEASANT ST., UNIVERSITY OF MASSACHUSETTS, AMHERST, MA 01003.

LAWN SEED MIX SHALL BE THE PREVIOUS YEARS CROP: 35% JEFFERSON KENTUCKY BLUEGRASS, 35% CARMEN CHEWING FESCUE AND 30% STALLION PERENNIAL RYEGRASS, OR APPROVED EQUAL. PLANT AT A RATE OF 1 LB. PER 150 SQUARE FEET. SEED MIX SHALL BE STALLION PERENNIAL RYE 10%, CREEPING RED FESCUE 50%, ANNUAL RYE GRASS 15%, JEFFERSON KENTUCKY BLUE GRASS 10%, RED TOP CLOVER 5%, AND LADINO CLOVER 5%, OR APPROVED EQUAL. PLANT AT A RATE OF 1 LB. PER 150SF.

LAWN SEED AREAS SHALL NOT BE DEEMED ACCEPTABLE UNTIL IN EXCESS OF 90% OF EACH AREA, INDEPENDENTLY, IS GERMINATED, GROWING AND DISPLAYING HEALTHY, UNIFORM GROWTH AND HAS BEEN CUT TWICE. THE SITE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL SEEDS (CRAB GRASS) WITHIN THE SEDED AREAS UNTIL THE SEDED AREAS HAVE BEEN ACCEPTED. THE WATERING SHALL OCCUR IN SMALL DOSES. THE SITE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL SEEDS (CRAB GRASS) WITHIN THE SEDED AREAS UNTIL THE SEDED AREAS HAVE BEEN ACCEPTED. THE WATERING SHALL OCCUR IN SMALL DOSES.

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PRIOR TO PLANTING, THE LANDSCAPE SHALL REVIEW AND COORDINATE WITH THE SITE UTILITY PLAN AND GRADING PLAN.

THE ROOTS OF NEWLY PLANTED TREES AND SHRUBS MUST BE KEPT STEADILY MOIST, AS THE DEVELOPING ROOTS ESTABLISH IN THE NEW SOIL. AT PLANTING, WATER THOROUGHLY TO SOAK THE ROOTS AND TO SETTLE THE NEW SOIL AROUND THE ROOT BALL. THE AMOUNT OF SUPPLEMENTAL WATER NEEDED EACH WEEK DURING THE FIRST GROWING SEASON AFTER PLANTING DEPENDS ON RECENT RAINFALL, TEMPERATURE, AND WIND. IF LESS THAN ONE-INCH OF RAIN HAS FALLEN OVER THE PAST FIVE TO SEVEN DAYS, THE NEW PLANTINGS MUST BE WATERED. LAWNS, TREES, AND SHRUBS WATERING SHALL OCCUR AT A MINIMUM OF TWO GALLONS PER SQ FT FOR THE FIRST TWO (2) MONTHS; ONCE THE PLANT IS EARTLY MORNING AND THEN THE OTHER IN THE LATE AFTERNOON. A GENERAL TEN GALLONS OF WATER APPLIED TWICE A WEEK WILL WET A 20'-24' ROOT BALL AND PROVIDE THE EQUIVALENT OF ONE INCH OF RAIN FALL. NEW LAWNS SHALL BE WATERED SO THAT IS RECEIVED AT A MINIMUM ONE INCH (1") OF WATER EVERY WEEK.

WITHIN THE LANDSCAPE BEDS ADJACENT TO THE BUILDING FOUNDATIONS, NO HEMLO, PINE, SPRUCE, OR CEDAR MULCH OR OTHER COMBUSTIBLE LANDSCAPE MATERIALS SHALL BE INSTALLED WITHIN 18" OF THE FOUNDATION.

ALL LANDSCAPE BEDS SHALL RECEIVE THREE-INCHES OF BARK MULCH.

LANDSCAPE AREAS SHALL BE DEEDED TILLED TO A DEPTH OF TWELVE INCHES TO FACILITATE DEEP WATER PENETRATION.

ALL TREE AND VEGETATION REMOVAL SHALL BE IN COORDINATION WITH THE PROJECT LANDSCAPE ARCHITECT.

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THE NEW SOIL AROUND THE ROOT BALL THE AMOUNT OF SUPPLEMENTAL WATER NEEDED EACH WEEK DURING THE FIRST GROWING SEASON AFTER PLANTING DEPENDS ON RECENT RAINFALL, TEMPERATURE, AND WIND. IF LESS THAN ONE-INCH OF RAIN HAS FALLEN OVER THE PAST FIVE TO SEVEN DAYS, THE NEW PLANTINGS MUST BE WATERED. LAWNS, TREES, AND SHRUBS WATERING SHALL OCCUR AT A MINIMUM OF TWO GALLONS PER SQ FT FOR THE FIRST TWO (2) MONTHS; ONCE THE PLANT IS EARTLY MORNING AND THEN THE OTHER IN THE LATE AFTERNOON. A GENERAL TEN GALLONS OF WATER APPLIED TWICE A WEEK WILL WET A 20'-24' ROOT BALL AND PROVIDE THE EQUIVALENT OF ONE INCH OF RAIN FALL. NEW LAWNS SHALL BE WATERED SO THAT IS RECEIVED AT A MINIMUM ONE INCH (1") OF WATER EVERY WEEK.

WITHIN THE LANDSCAPE BEDS ADJACENT TO THE BUILDING FOUNDATIONS, NO HEMLO, PINE, SPRUCE, OR CEDAR MULCH OR OTHER COMBUSTIBLE LANDSCAPE MATERIALS SHALL BE INSTALLED WITHIN 18" OF THE FOUNDATION.

ALL LANDSCAPE BEDS SHALL RECEIVE THREE-INCHES OF BARK MULCH.

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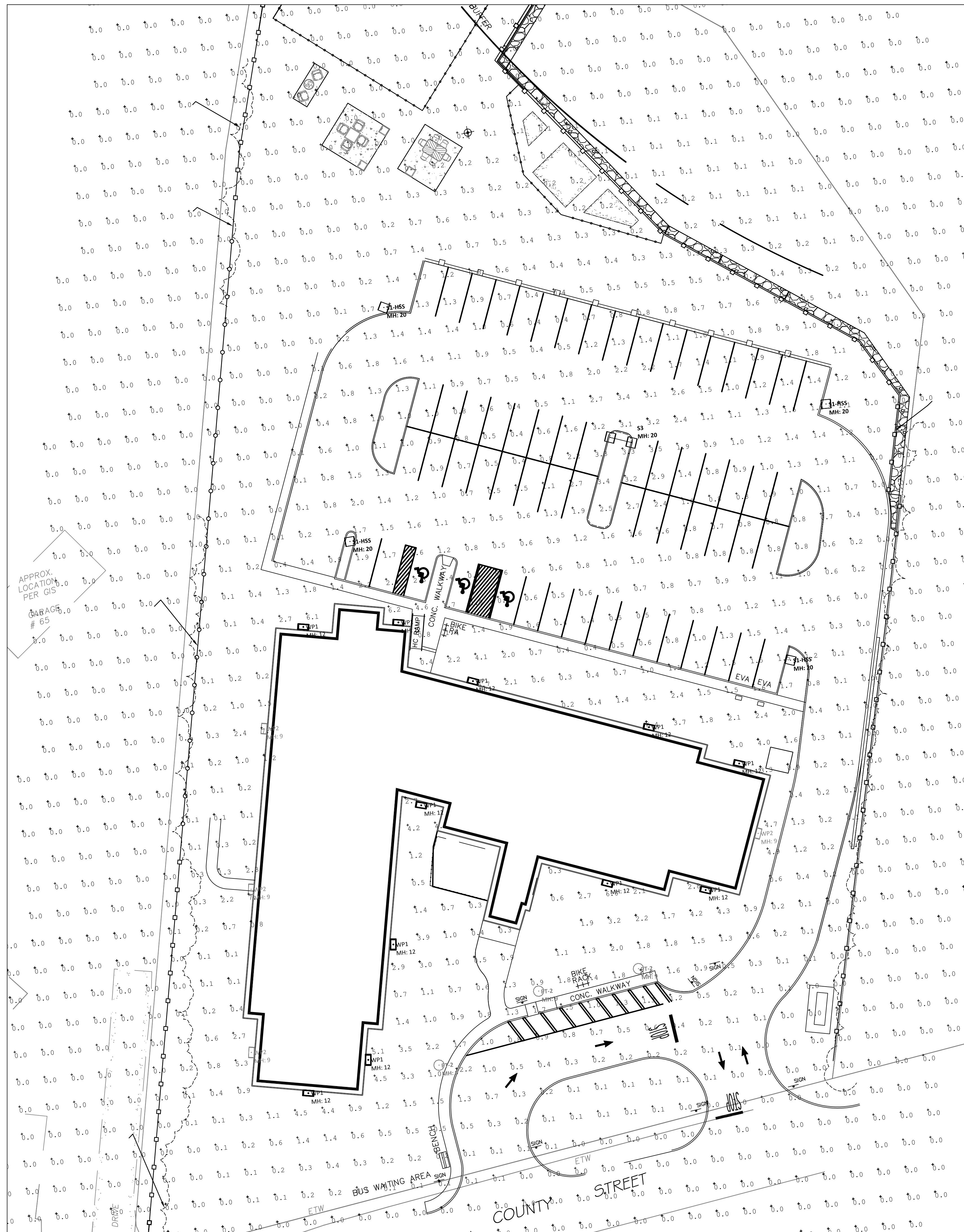
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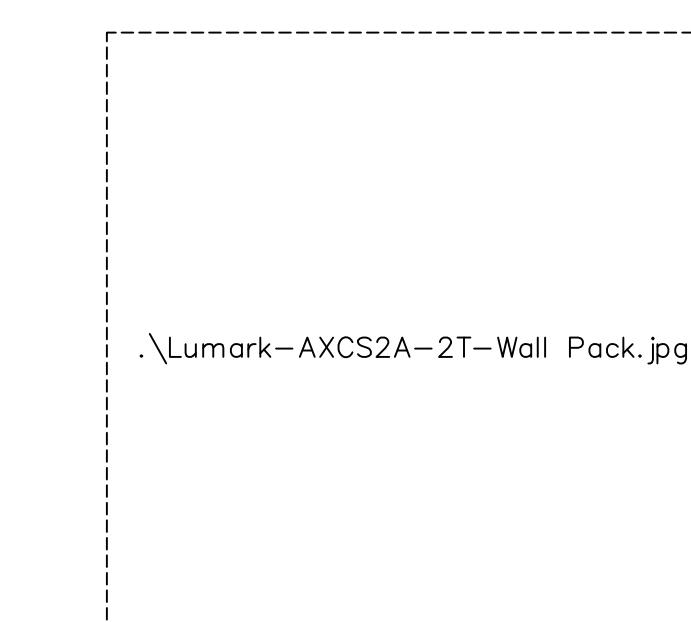
Calculation Summary

Label	Units	Avg	Max	Min	Avg/Min	Max/Min
LOT_Planar	Fc	0.34	7.7	0.0	N.A.	N.A.

Luminaire Schedule

Symbol	Label	Lumens/Lamp	Lum. Lumens	Lum. Watts	LLF	Description
PT-2	N.A.	2800	28	0.900	NLS: BV-M-T5-16L-53-40K	
WP1	N.A.	2561	20.7	0.900	LUMARK: AXCS2A	
S3	N.A.	6551	52	0.900	LUMARK: PRV-C15-D-UNV-T2-BZ-HSS	
WP2	N.A.	1806	13.5	0.900	LUMARK: AXCS1A	
S1-HSS	N.A.	6437	52	0.900	LUMARK: PRV-C15-D-UNV-T4-BZ-HSS	

LIGHTING PLAN WAS PERFORMED IN COORDINATION WITH REFLEX LIGHTING AND GREYBAR ELECTRIC.
CONTACT: William Donahue | Inside Sales Representative Worcester, MA | Office (508) 453-4021



Date: 10/20/21
Rev. #: 4
Designer/Drafter: LCG
Scale: 1"=20'-0"
Date: 06/14/21

Drawing description: LANDSCAPE LIGHTING PLAN
RED ROBIN PASTURES
COUNTY STREET, DOVER, MA

Signature Design
ARCHITECTURE
73 Bishop Road, Sharon, MA 02067 781.806-0063

Sheet No. 2