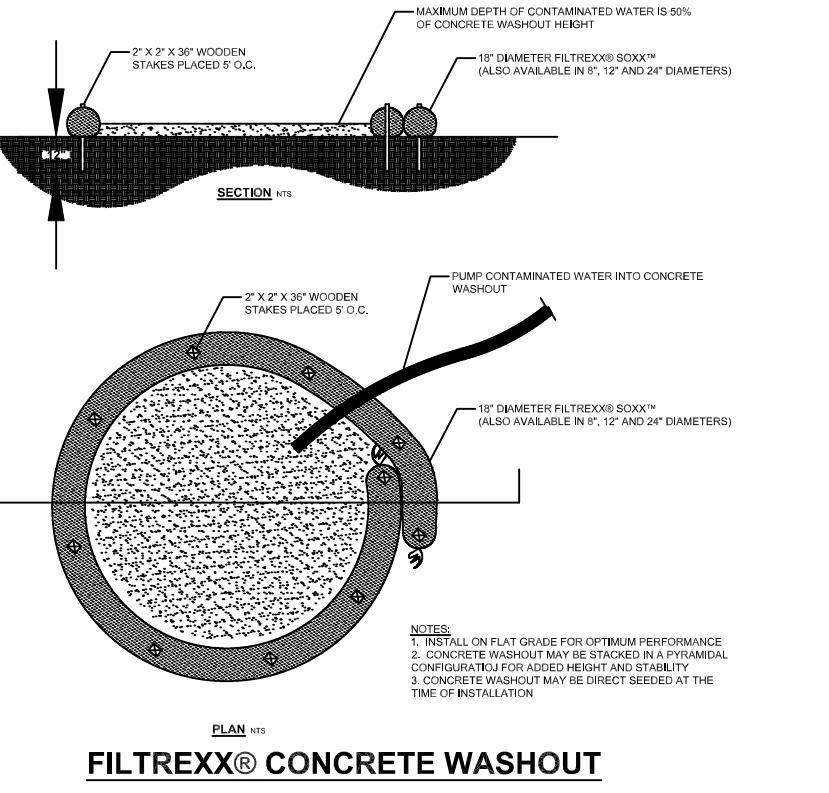
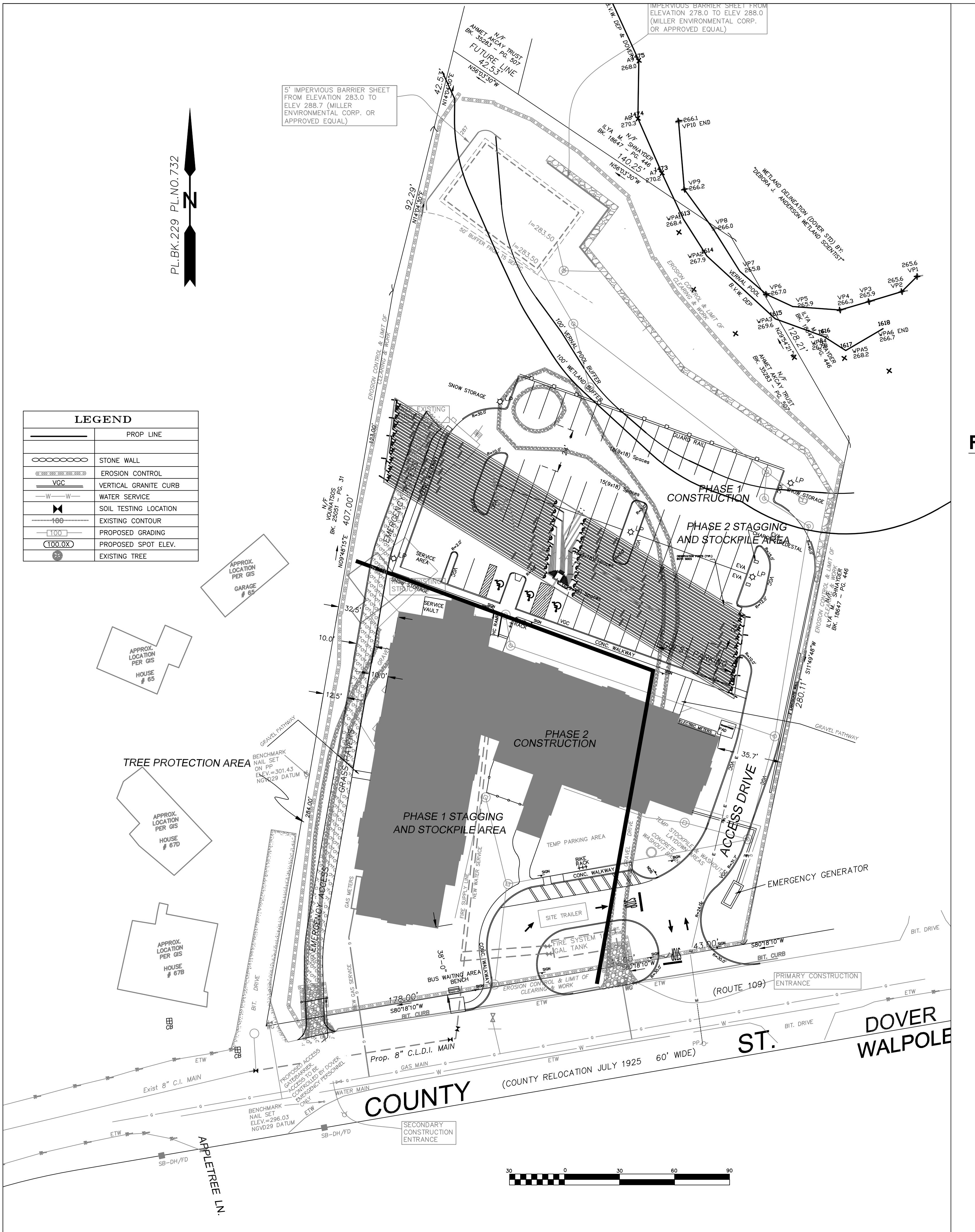


Drawing Description
**RED ROBIN PASTURES
COVER MASS
EXISTING CONDITIONS**

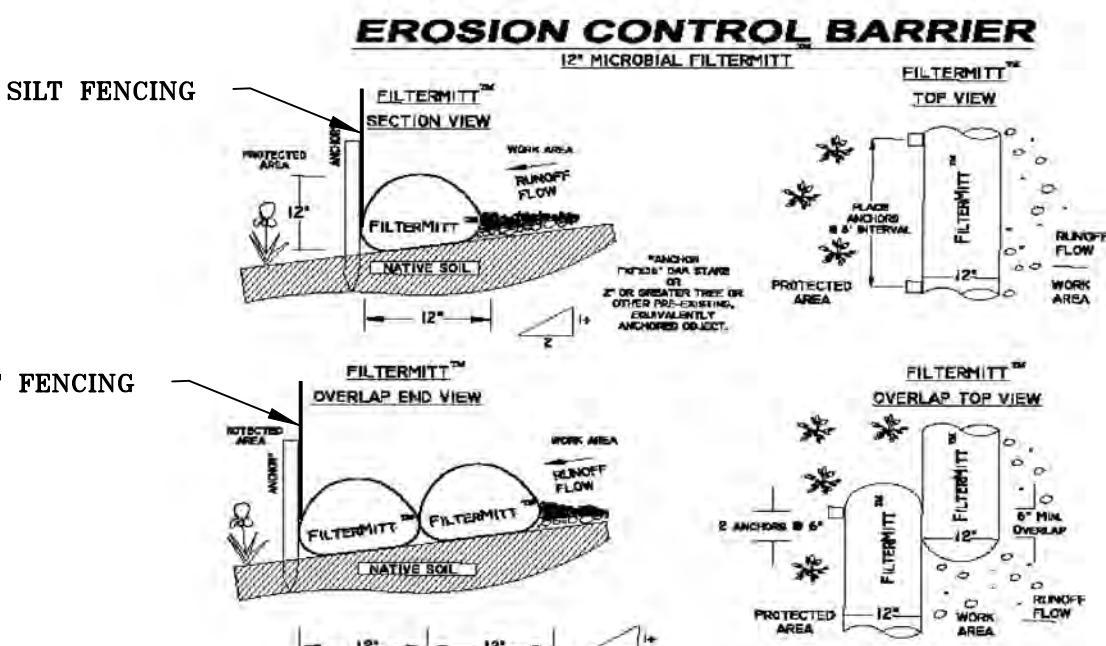
The logo for Signature Designs Architecture. It features a large, bold, stylized letter 'T' at the top, with a horizontal line extending from its top right corner. Below the 'T' is a smaller, stylized letter 'A' with a grid pattern inside it. Below these initials, the company name 'Signature Designs' is written in a bold, sans-serif font, and 'ARCHITECTURE' is written in a slightly smaller, all-caps font directly beneath it.

Sheet No. **C1**

Use and Interpretation of this Drawing	Designer/Drafter	Rev. #	Date
By use of these Construction Drawings (CD's) the CONTRACTOR represents that he has visited the site, familiarized himself with the local conditions, verified field dimensions and correlated his observations with the requirements of the CD's. Plan examiner shall not accept edited titleblock project address.	RT		
As instruments of service, all Drawings, Specifications and copies thereof furnished by Signature Designs-Architecture (SD-A) are the property of SD-A.	Scale	1" = 30'	
They are to be used only for this Project and are not to be used on any other Project. Changes to the CD's may only be made by SD-A. © 2020	Date		
SD-A is providing Design/Drafting & Limited Site Verification services, SD-A is not responsible for site visitations or verifying: A project is built in			

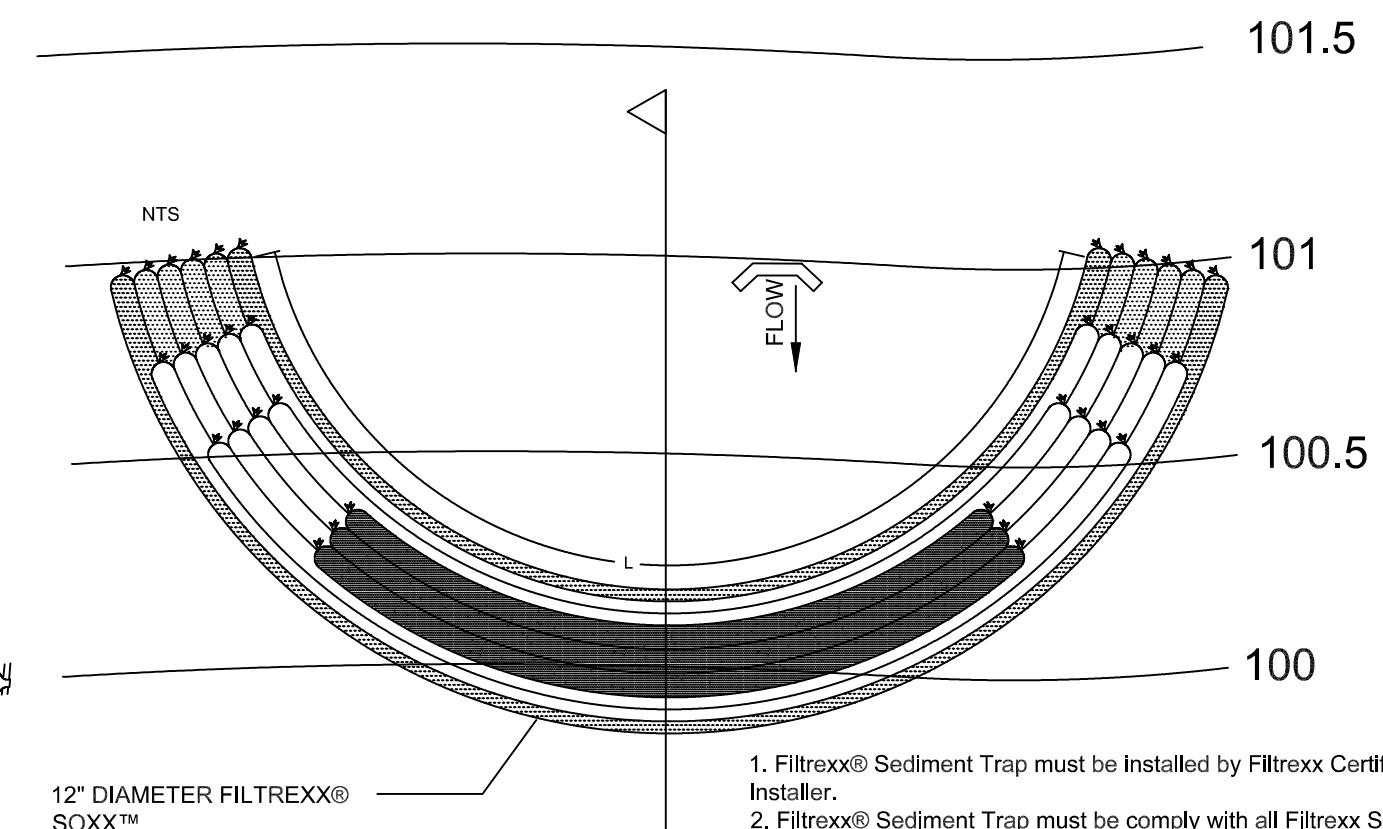


FILTREXX® CONCRETE WASHOUT



FILTREXX® SEDIMENT TRAP

ILTREXX® SEDIMENT TRAP STAKING DETAIL



12" DIAMETER FILTREXX® SOXX™
(ALSO AVAILABLE IN 8", 18", 24"
AND 32" DIAMETERS)



1. Filtrexx® Sediment Trap must be installed by Filtrexx Certified Installer.
2. Filtrexx® Sediment Trap must be comply with all Filtrexx Standard Specifications.
3. Filtrexx® Sediment Trap must use Filtrexx FilterMedia™.
4. Filtrexx® Sediment Trap barrier face sizing shall use $Q/0.98\text{cfm}(\text{per sf of area face}) = A$ ($Q=5\text{L/sec/sq.m}$)

ITE NOTES

- AREA OF DISTURBANCE IS 109000 SF

 - ALL FILL SHALL MEET APPROVED STANDARDS FROM A CERTIFIED SOURCE AS REQUIRED.
 - CONTRACTOR SHALL BE FAMILIAR WITH ALL STORM WATER OPERATION & MAINTENANCE PLAN AND SPILL PREVENTION REQUIREMENTS.
 - CONTRACTOR SHALL BE FAMILIAR WITH ALL CONSERVATION COMMISSION NOTICE OF INTENT CONDITIONS AND ZONING BOARD APPROVAL REQUIREMENTS

Approximate Construction Sequence:

hase 1.

Install perimeter fencing and erosion control around perimeter of site. Clear site.

Build temporary construction entrance on west side of site.

Locate staging area at front of site.

Build retaining wall at rear of site.

Install drainage and septic structures

install drainage and septic structures. Construct driveway.

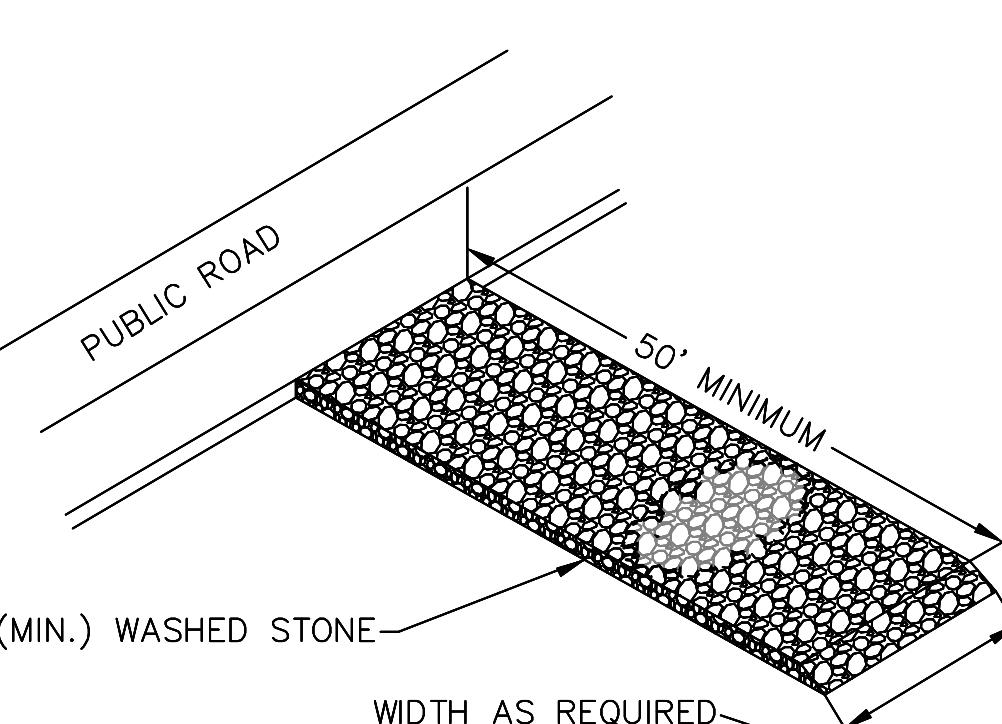
Build parking lot to rough grade.

Phase 2.

relocate construction staging area to rear of site.
construction entrance shift to driveway along East of site.

construction 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

Rev. #	Date

Designer/drafter	RT
Scale	1"=30'
Date	12-18-20

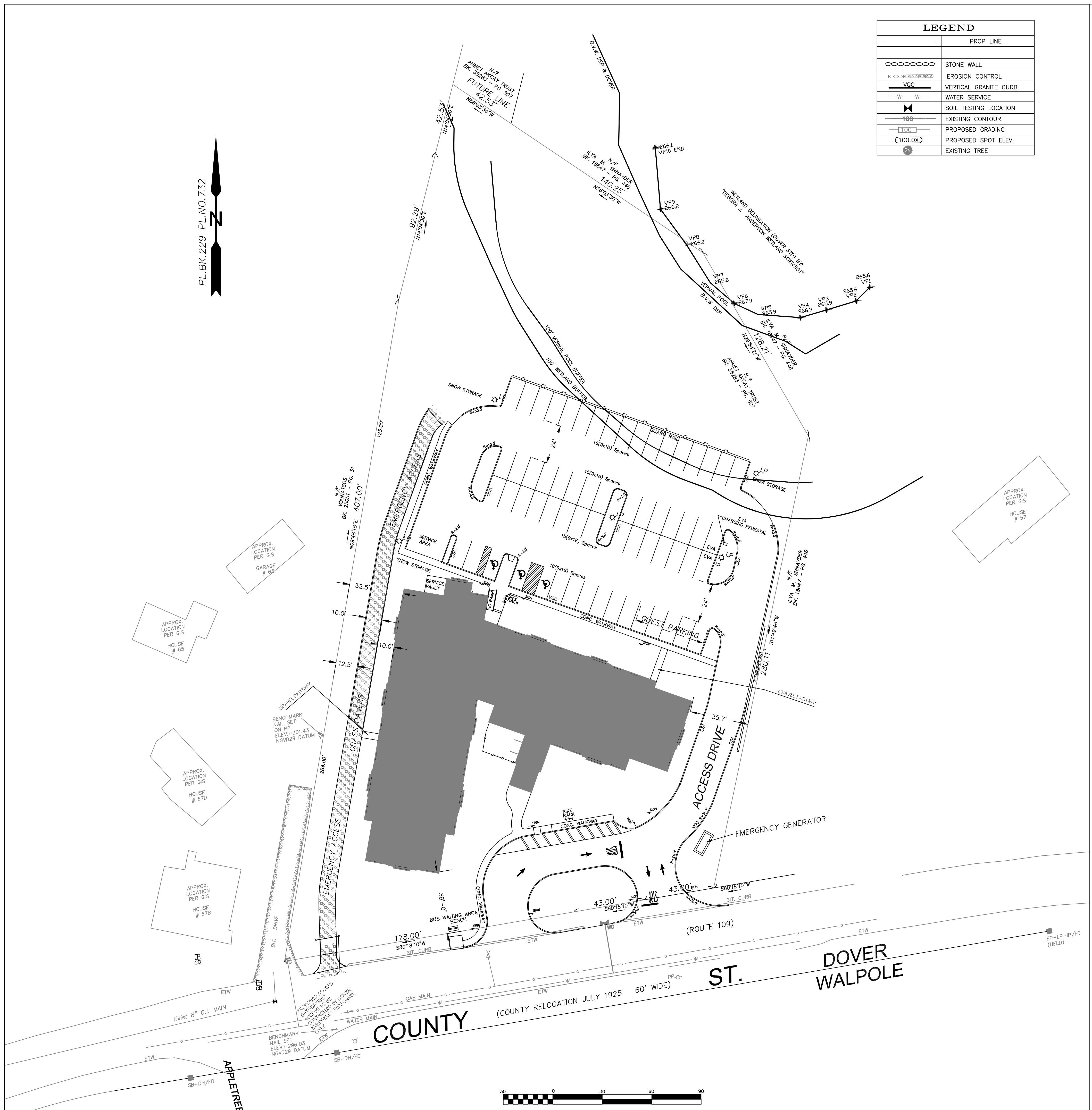
ns,
address.
SSD-A.
)
ndards.

Use and Interpretation of this Drawing

1. By use of these Construction Drawings (CD's) the CONTRACTOR represents that he has visited the site, familiarized himself with the local condition verified field dimensions and correlated his observations with the requirements of the CD's. Plan examiner shall not accept edited titleblock project
2. As instruments of service, all Drawings, Specifications and copies thereof furnished by Signature Designs-Architecture (SD-A) are the property of SD-A. © 2020 Signature Designs-Architecture (SD-A) are the property of SD-A. © 2020
3. SD-A is providing Design/Drafting & Limited Site Verification services, SD-A is not responsible for site visitations or verifying; A project is built in accordance with CD's, is properly constructed, C. workmanship practices, D. use & furnishing of equipment & materials in accordance with industry standards

Drawing Description
**RED ROBIN PASTURES
DOVER MASS
EROSION CONTROL PLAN**

Sheet No.
C2



ITEM	REQUIRED DIMENSIONAL REGULATION	PROPOSED DIMENSIONS
MINIMUM LOT AREA	43,560 SQUARE FEET OR 1.00; ACRES	109,809 SQUARE FEET OR 2.52 ACRES
MINIMUM LOT WIDTH	150 FEET	264 FEET
MINIMUM FRONT SETBACK	40 FEET	38'-0" FEET
MINIMUM SIDE SETBACK	30 FEET	32'-6" FEET
MINIMUM REAR SETBACK	30 FEET	222 FEET
MAXIMUM BUILDING HEIGHT	35 FEET (2 1/2 STORIES)	44 FEET (3 STORIES)
MAXIMUM LOT COVERAGE REQUIREMENTS BY STRUCTURES	20%	14.8% (16,321 SF)

LAND USAGE TABLE – R-1 SINGLE FAMILY RESIDENCE (1 ACRE)

PARKING/UNIT	REQUIRED	PROVIDED
	1.5	1.88

DOVER MASS SITE LAYOUT

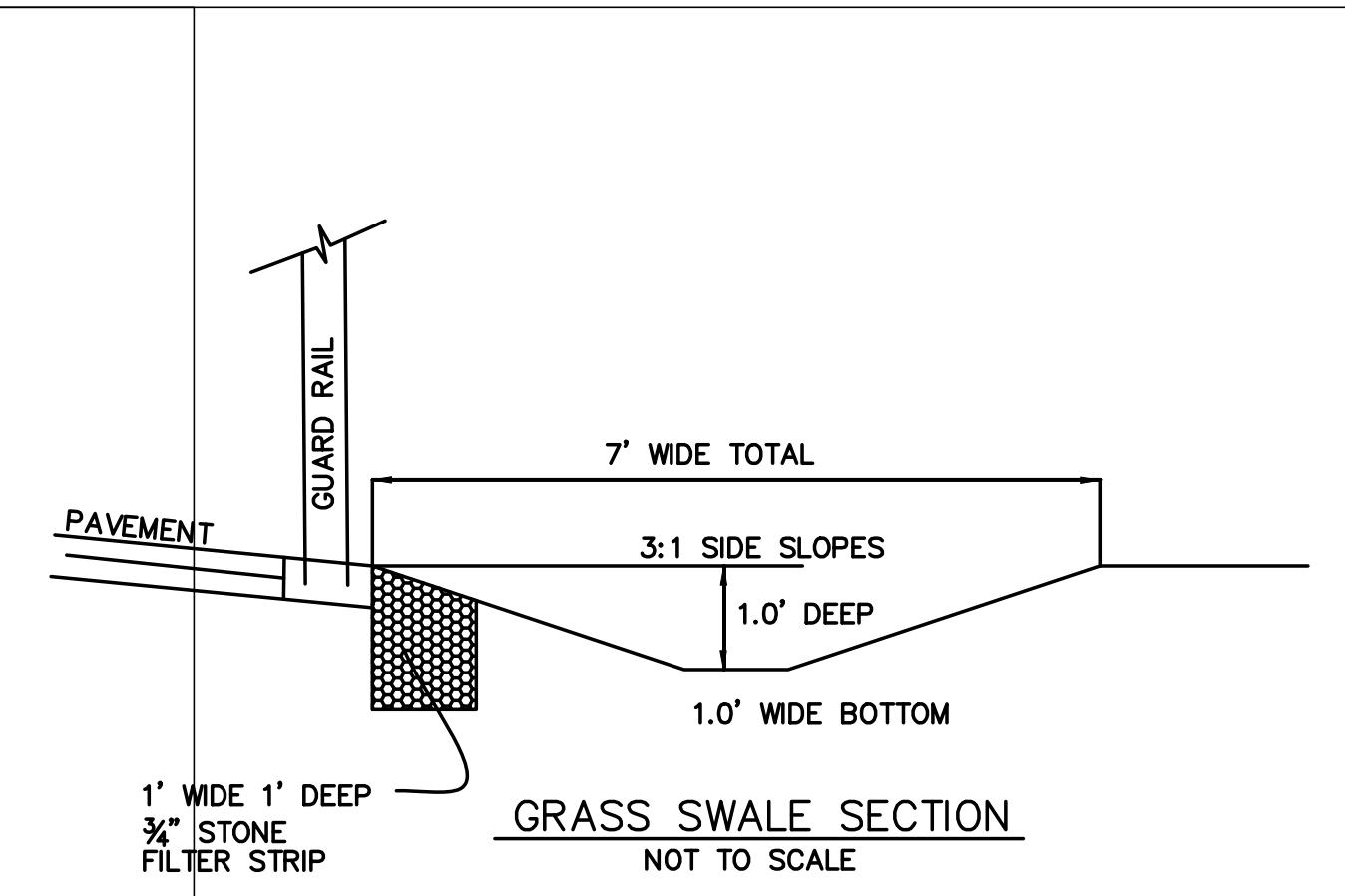
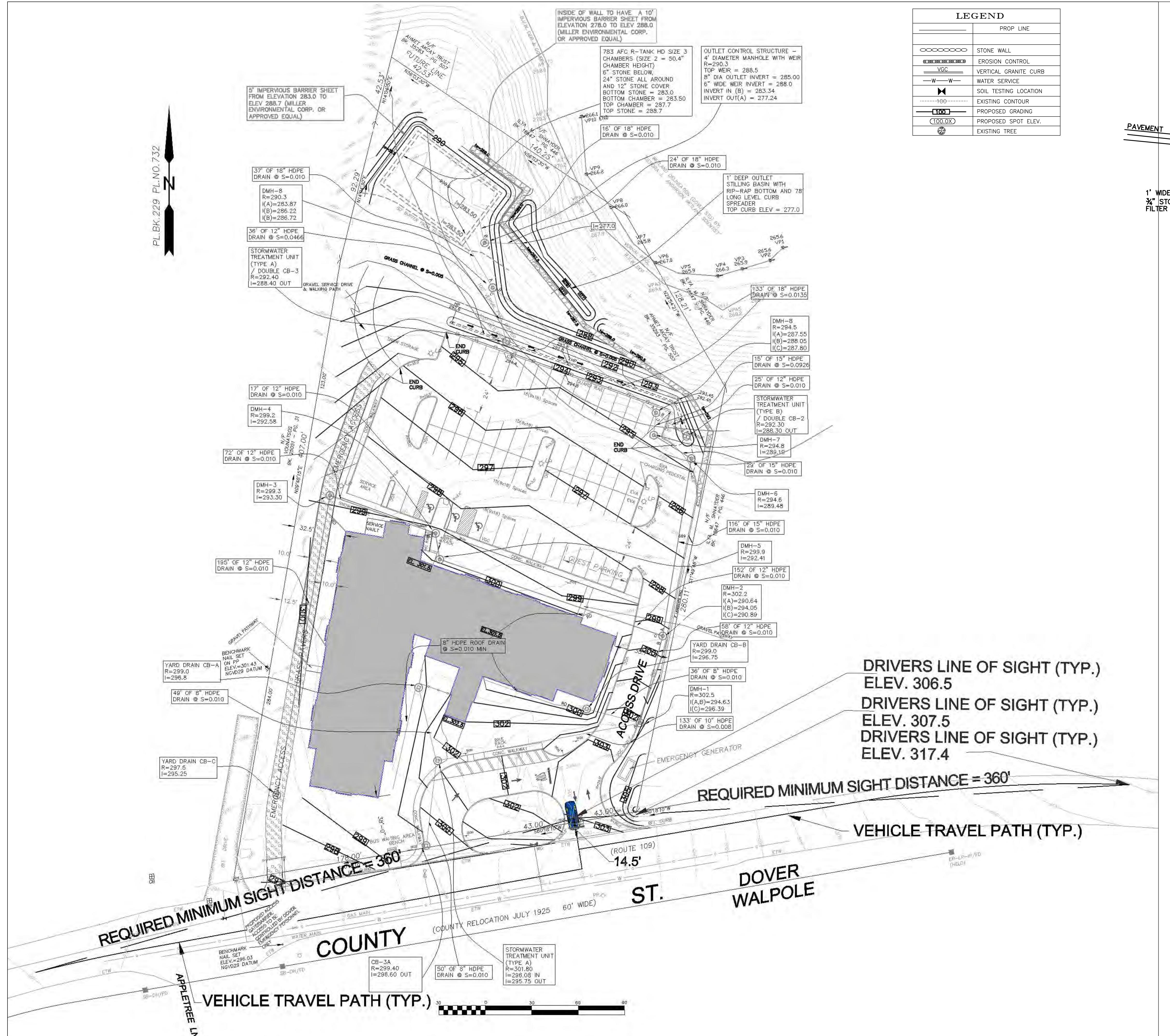
ARCHITECTURE **161**
73 Bishop Road, Sharon, MA 02067 781 806-0063

3

ARCHITECTURE 161

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

3

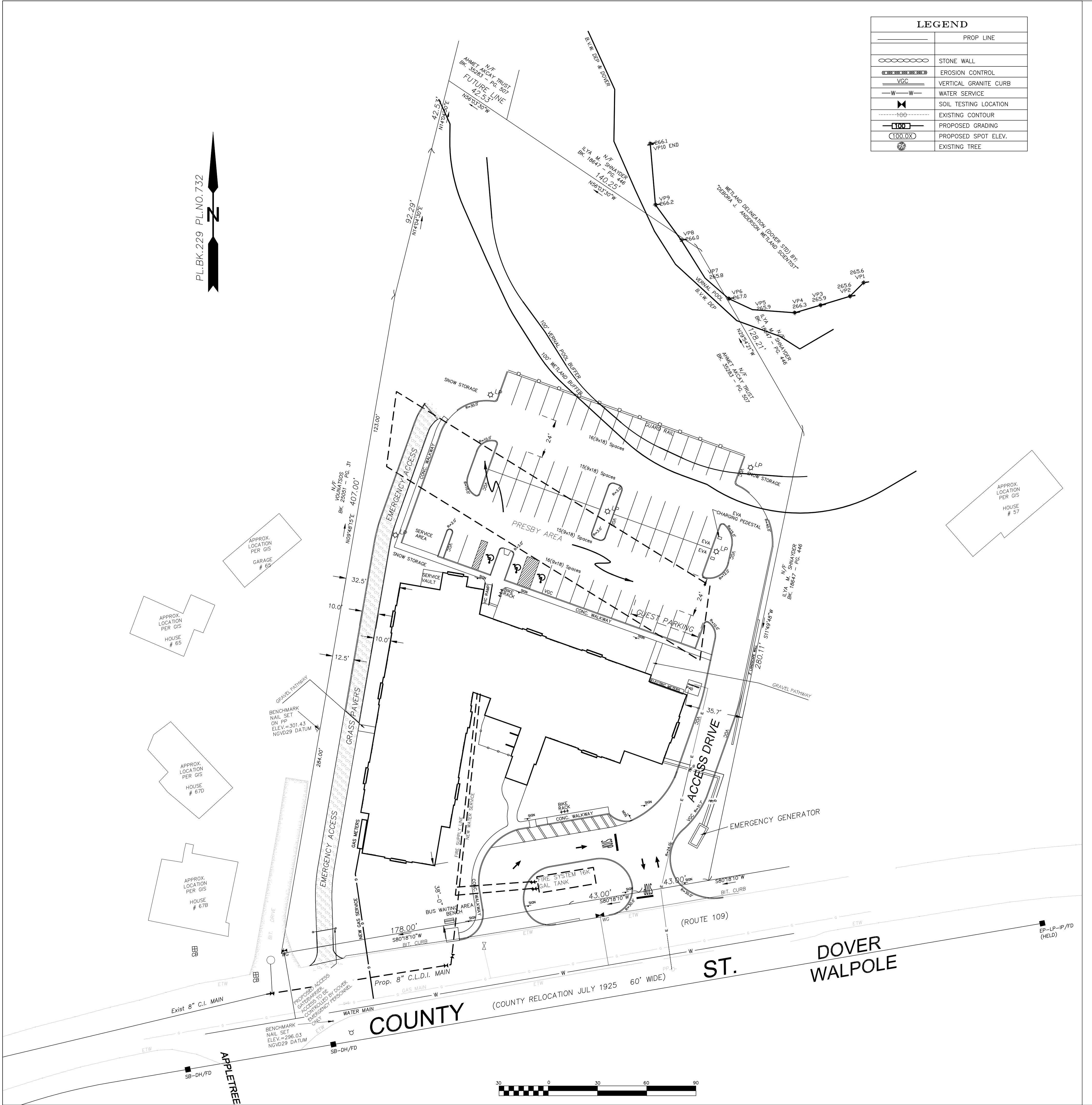


<p>2. As instruments of service, all Drawings, Specifications and copies thereof furnished by Signature Designs-Architecture (SD-A) are the property of SD-A. They are to be used only for this Project and are not to be used on any other Project. Changes to the CD's may only be made by SD-A. ©2020</p> <p>3. SD-A is providing Design/Drafting & Limited Site Verification services. SD-A is not responsible for site visitations or verifying: A.project is built in accordance with CD's,B.is properly constructed, C.workmanship practices, D.use & furnishing of equipment & materials in accordance with industry standards.</p>	
1" = 30'	Date 12-18-20

DOVER MASS DRAINAGE & GRADING PLAN

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

4



DOVER MASS UTILITIES

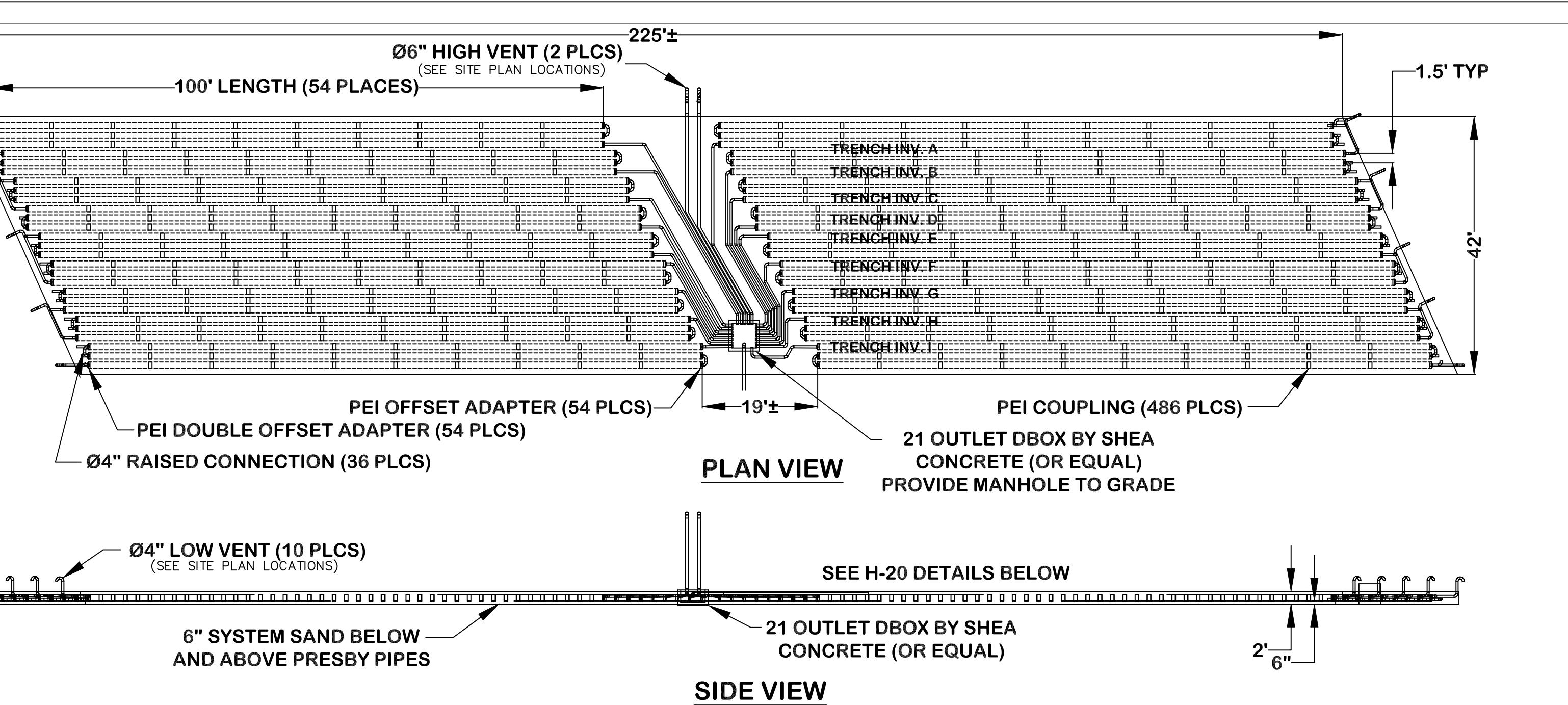
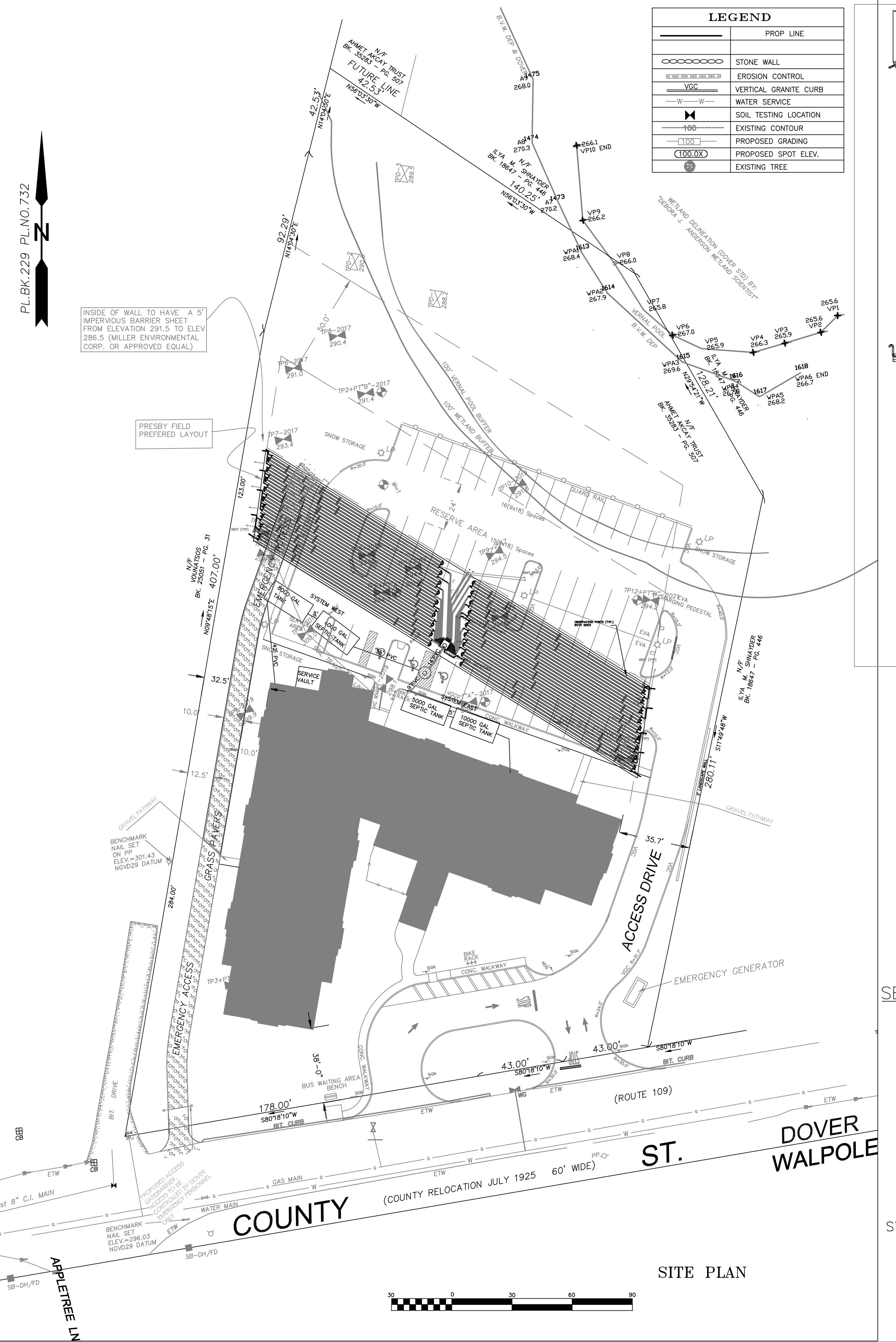
ARCHITECTURE 
73 Bishop Road, Sharon, MA 02067 781 806-0063

25

<p>As instruments of service, all Drawings, Specifications and copies thereof furnished by Signature Designs-Architecture (SD-A) are the property of SD-A. They are to be used only for this Project and are not to be used on any other Project. Changes to the CD's may only be made by SD-A. © 2020 SD-A is providing Design/Drafting & Limited Site Verification services. SD-A is not responsible for site visitations or verifying; A project is built in accordance with CD's. It is properly constructed, C. workmanship practices, D. use & furnishing of equipment & materials in accordance with industry standards.</p>	AS_NOTED	
	Date	12-18-20

AS_NOTED	
Date	12-18-20

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NOTES:

1. DAILY DESIGN FLOW: 8250 GPD (8,500 GPD CAPACITY AS DESIGNED)
2. SOILS: 2 MPI, CL II
3. ENVIRO-SEPTIC PIPE REQUIRED: 5250 FT (75 BEDROOMS X 70'/BEDROOM)
4. ENVIRO-SEPTIC PIPE PROVIDED: 5400 FT (54 ROWS X 100 FT)
5. SAND BED AREA REQUIRED: 8,250 SF (75 BDRMSX110SF/BDRM PER MANUAL)
6. SAND BED AREA PROVIDED: 10561+ SF
7. ESTIMATED SAND VOLUME 585 CY
8. PEI COUPLINGS & ADAPTORS REQUIRED 108 EACH
9. --
10. VENTS LOCATED AS SHOWN ON SITE PLAN
11. CONTRACTOR SHALL VERIFY LAYOUT ON SITE , ALL LINES ARE SET LEVEL
12. CONTRACTOR SHALL BE QUALIFIED IN PRESBY SYSTEM INSTALLATIONS
13. **4.26 System Sand Requirements for All Beds**
It is critical to the proper functioning of the AES system that the proper amount and type of System Sand be installed. System Sand is the material in direct contact with all AES pipes and must be clean, granular sand free of organic matter and must adhere to ASTM C-33 ("concrete sand") providing that no more than 3% can pass a #200 sieve (verified by washing sample per requirements of ASTM C-117 as noted in the ASTM C-33 specification).

TRENCH INVERT ELEVATIONS	
SERIAL SECTION	INVERT ELEVATION
TRENCH A	293.48
TRENCH B	293.66
TRENCH C	293.84
TRENCH D	294.02
TRENCH E	294.08
TRENCH F	294.26
TRENCH G	294.44
TRENCH H	294.62
TRENCH I	294.80

NOTES & SPECIFICATIONS

- shall be in conformance with NPDES permit and Spill Prevention Plans

nd 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. Lined pipe, when required, shall be schedule 40 PVC (ASTM D1785) for length of system. All joints shall be tight joint. Orifice dia.=3/8" to 5/8".

l stone and other soil materials shall be in conformance with ASTM Standard

aterial shall be clean granular material with a percolation rate of 2 min./inch or be free of deleterious material, and properly compacted to minimize settlement, or to settle for twelve months.

anges shall be made in this plan without the authorization of the owner, the Board of Health & Town Engineer.

ctor must notify dig safe & the local water department prior to any excavation work.

ction access is limited to the existing driveway. Prior approval and filing from the Town of Dover Highway Department will be required for area of disturbance within the right of way to obtain access or install any system.

Town of Dover Board of Health 3 days prior to start of action.

ar traffic over, parking of vehicles on, stockpiling of materials over, or use of equipment on system shall not be allowed at any time.

ring is required if fill is to be placed below ground water.

are no industrial category or prohibited wastewaters are used currently at site.

ll not be placed during rain or snow storms.

r notice for field inspection, call Town Engineer for schedule

Engineer to certify system installed & operating

or as needed inspections required

mission when practical

SECTION DETAIL FOR H-20 WHEEL LOADING
(NOT TO SCALE)

(NOT TO SCALE)

VENT STACK

MANHOLE TO FINAL GRADE OVER INSPECTION PORT

BANK RUN GRAVEL (NO STONES OVER 2"Ø)

SLOPE

VENT MANIFOLD

BOTTOM DRAINS RECOMMENDED WHEN PRESBY PIPE ENDS ARE INACCESSIBLE (NOT PART OF THIS DESIGN)

STEM 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.

NATURALLY OCCURRING PEROVIOUS MATERIAL

GRADE. WRAP PIPE WITH PERMEABLE GEOTEXTILE FABRIC TO ELIMINATE SAND INFILTRATION. EXTEND FABRIC 3' MIN BEYOND EDGE OF PIPE (ALL EDGES)

PAVEMENT (OR HARDCAPE)

12" MIN ABOVE FABRIC AND BELOW PAVEMENT

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

NOTES:

- THE ONLY SOIL COMPACTION THAT SHOULD TAKE PLACE IS AT THE POINT OF PREPARATION FOR PAVEMENT.

NOTES:

- THE ONLY SOIL COMPACTION THAT SHOULD TAKE PLACE IS AT THE POINT OF PREPARATION FOR PAVEMENT.
 - NOT ALL ROWS SHOWN.

RED ROBIN PASTURES DOVER MASS PRESBY SANITARY SYSTEM & DETAILS

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 contained within a thick black rectangular border. Below the logo, the word 'SIGNATURE' is written in a bold, sans-serif font, and 'DESIGNS' is written in a smaller, regular sans-serif font directly beneath it. To the right of the logo, the word 'ARCHITECTURE' is written in a large, bold, sans-serif font, with the letter 'A' being particularly prominent and stylized.

sheet No. **C6**

Scale	AS_NOTED
Date	12-18-20

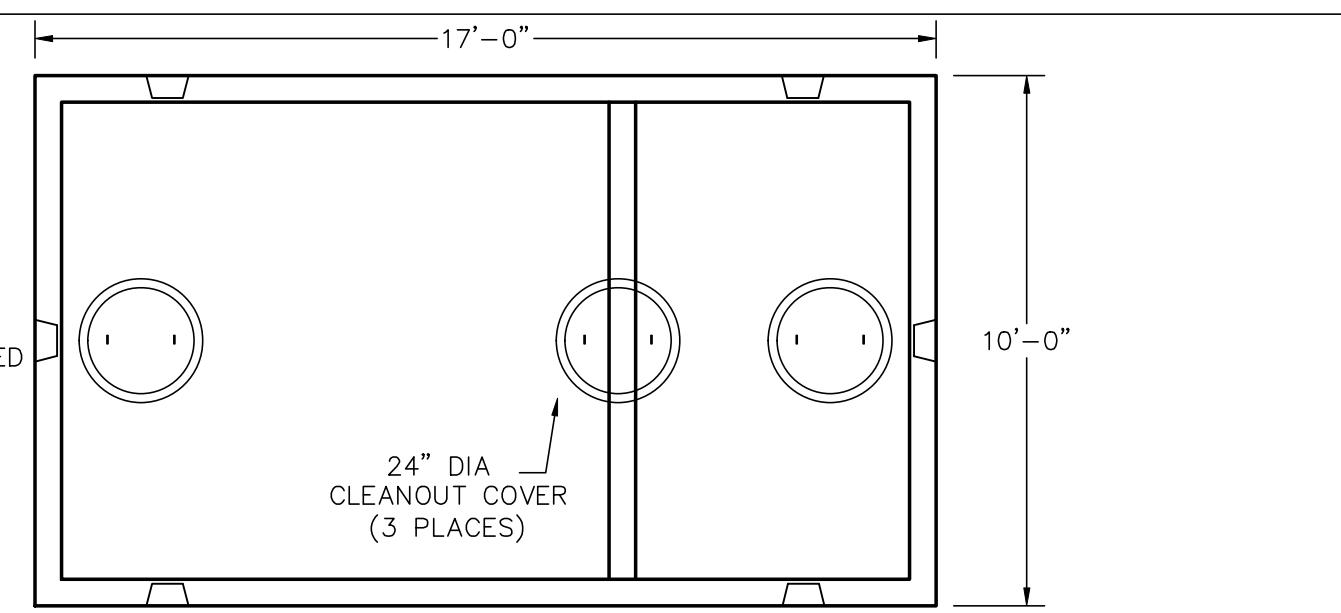
verified field dimensions and correlated his observations with the requirements of the CD's. Plan examiner shall not accept edited titleblock project address. 2. As instruments of service, all Drawings, Specifications and copies thereof furnished by Signature Designs-Architecture (SD-A) are the property of SD-A. They are to be used only for this Project and are not to be used on any other Project. Changes to the CD's may only be made by SD-A. (C) 2020 3. SD-A is providing Design/Drafting & Limited Site Verification services, SD-A is not responsible for site visitations or verifying: A project is built in accordance with CD's, B. is properly constructed, C. workmanship practices, D. use & furnishing of equipment & materials in accordance with industry standards.

DOVER MASS SEPTIC SYSTEM DETAIL SHEET

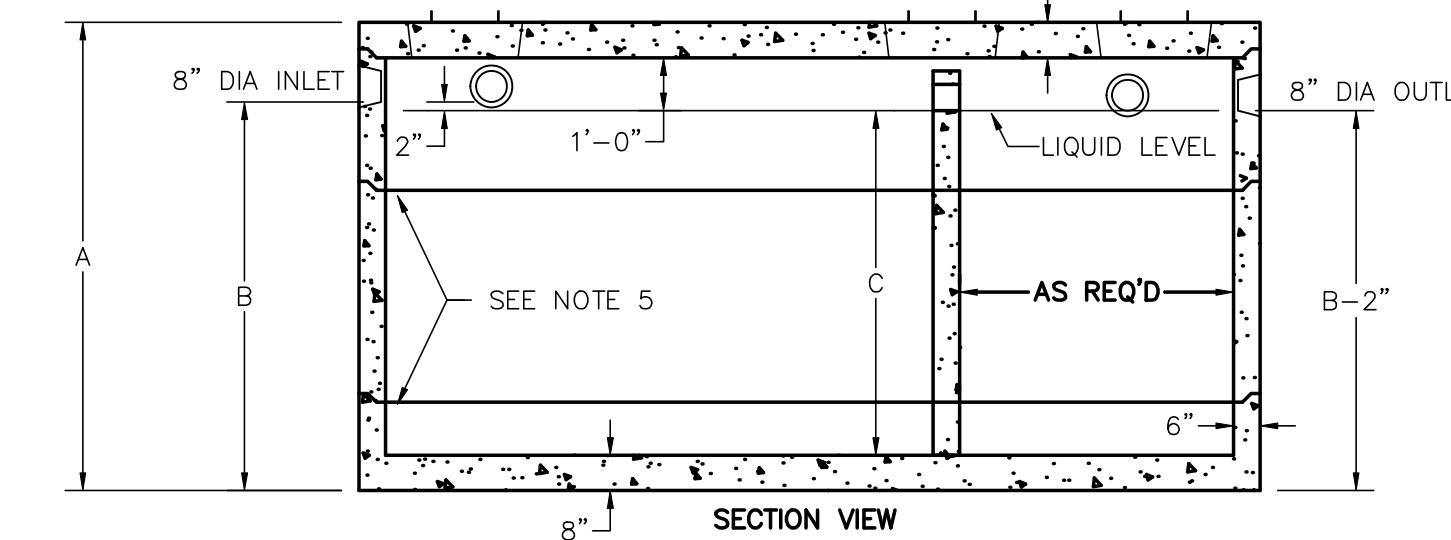
7

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.



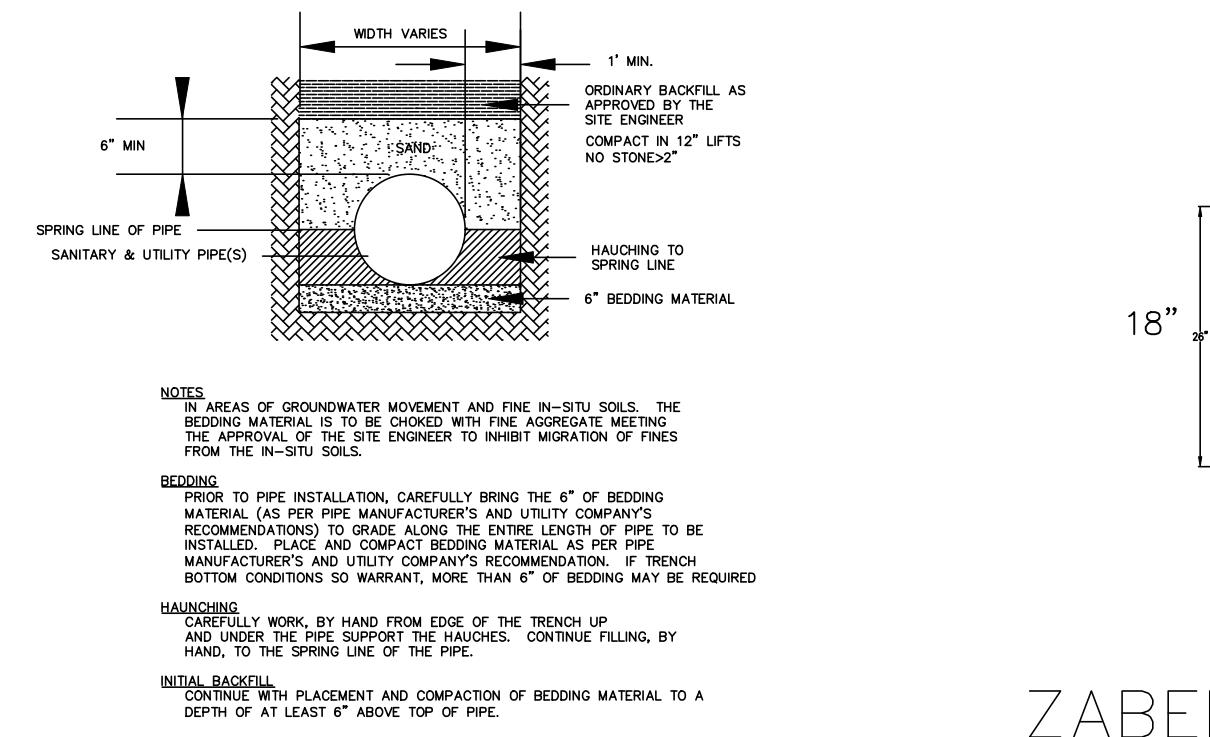
PLAN VIEW



SECTION VIEW

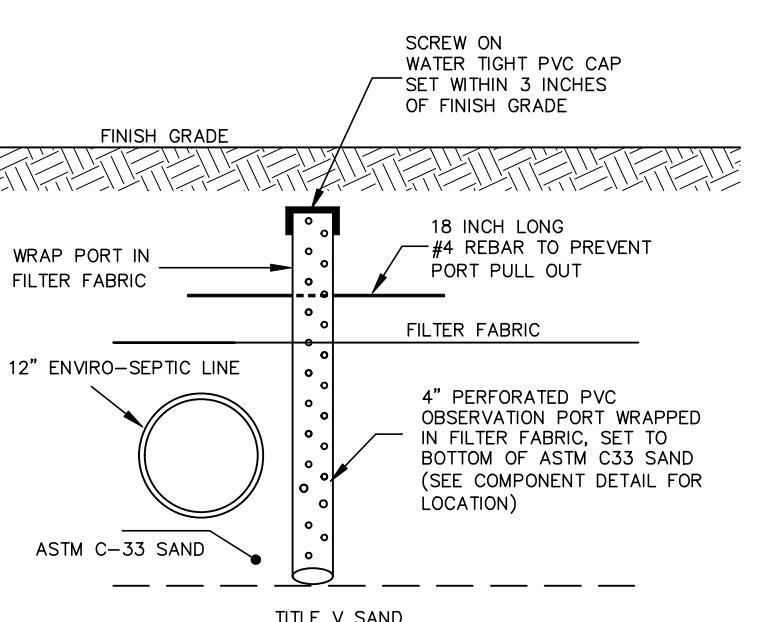
GALLONS	A (HEIGHT)	B (INLET)	C (LIQUID)	TOTAL WEIGHT	RISER 1 SIZE	RISER 2 SIZE	RISER 3 SIZE
4,000	76"	58"	48"	55,366	48"	0	0
5,000	88"	70"	60"	59,812	30"	30"	0
5,500	92"	74"	64"	61,296	30"	34"	0
6,000	96"	78"	68"	62,780	34"	34"	0
6,500	100"	82"	72"	64,258	30"	42"	0
7,000	106"	88"	78"	66,482	30"	48"	0
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"

TANK DETAILS



ZABEL FILTER - A-100

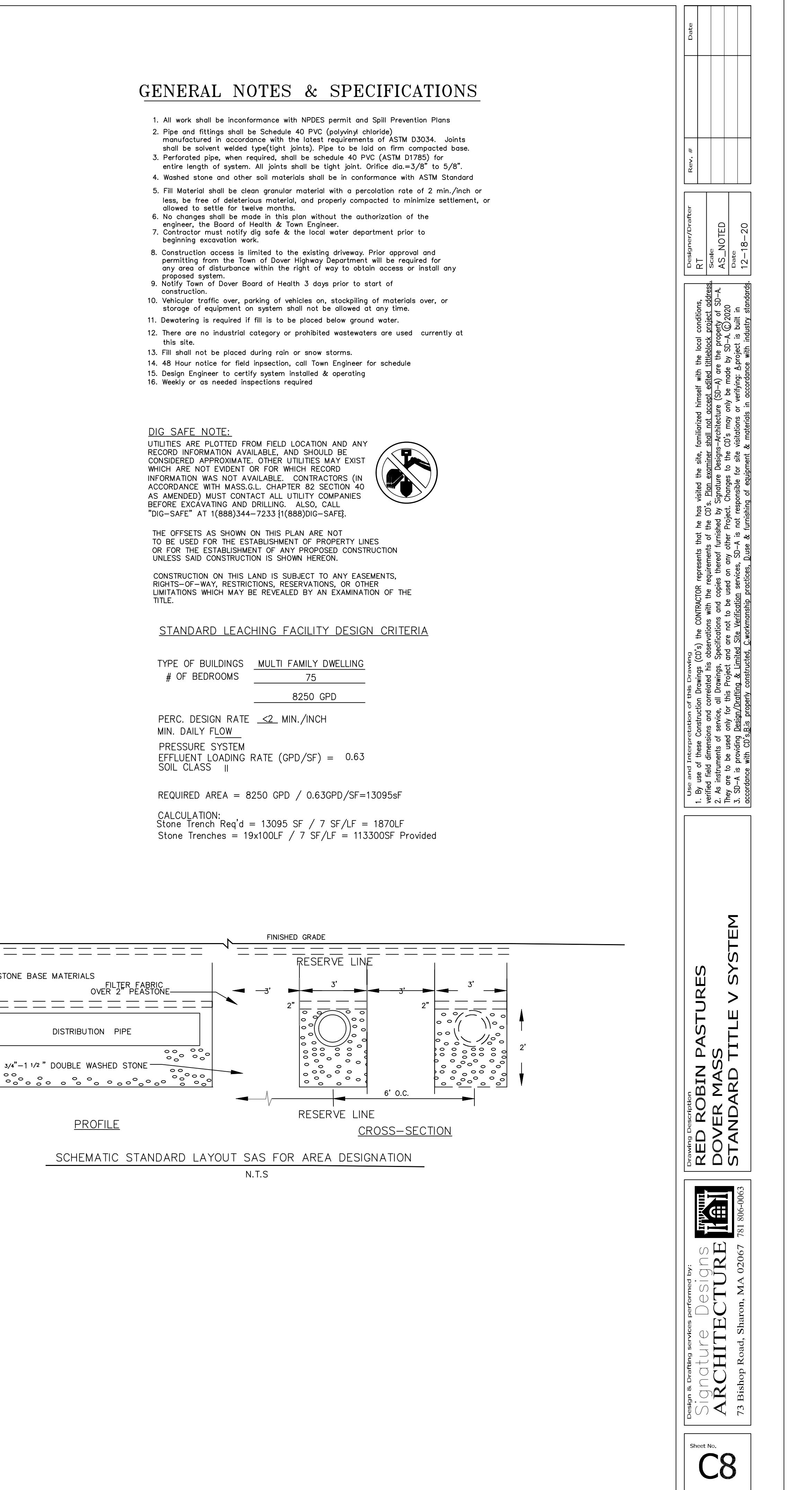
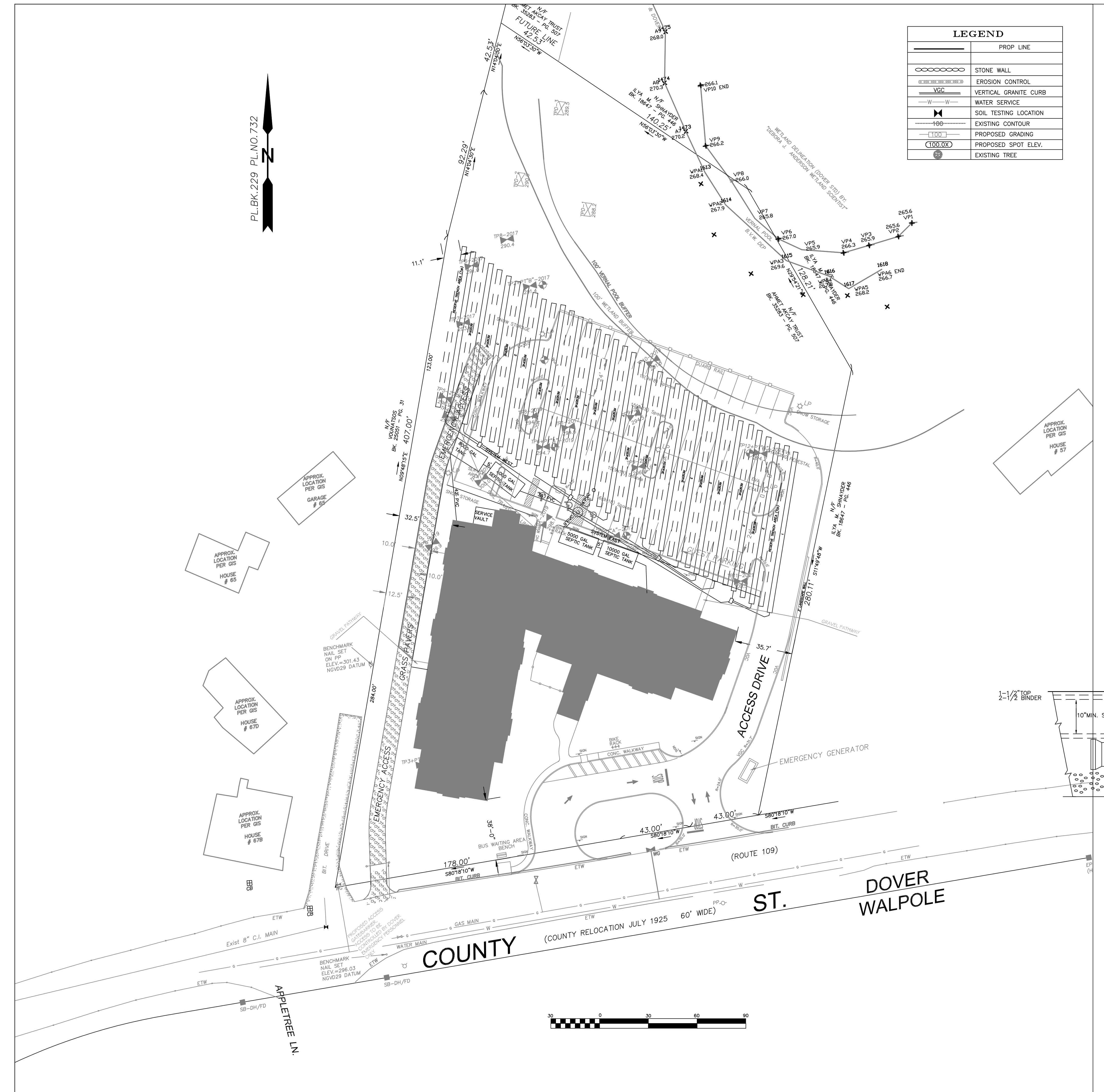
Not To Scale

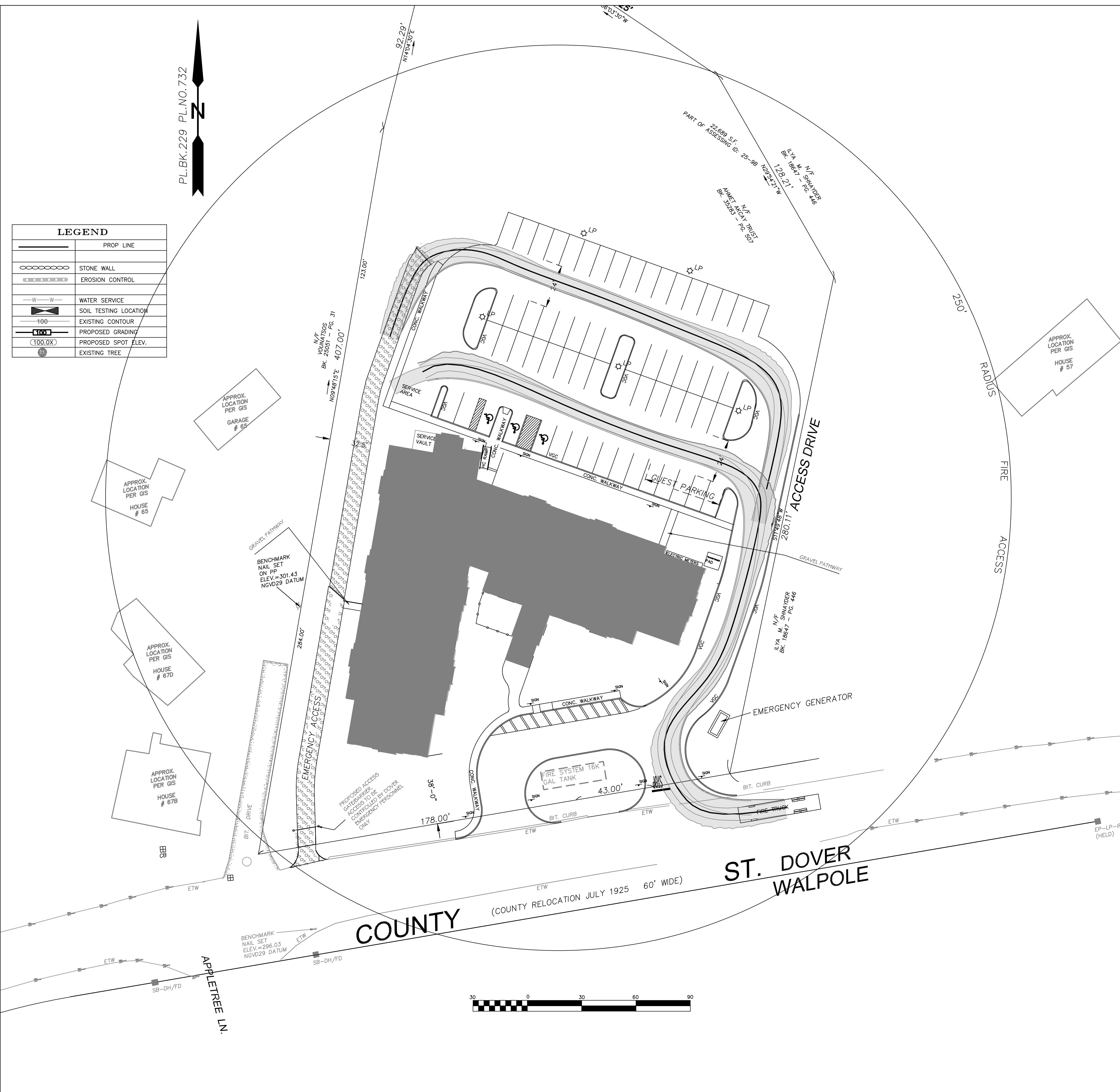


TYPICAL INSPECTION PORT DETAIL
N.T.S

SOIL EVALUATORS CERTIFICATIONS ON FILE W/BOH

① REMOVE TO UNTIL C2 LAYER IS EXPOSED OR ALL UNSUITABLE MATERIAL IS REMOVED AND REPLACE WITH TITLE V SAND (ASTM C-33 EQUIV.) 5-FEET ALL AROUND TRENCHES





AERIAL LADDER – TANDEM REAR AXLE



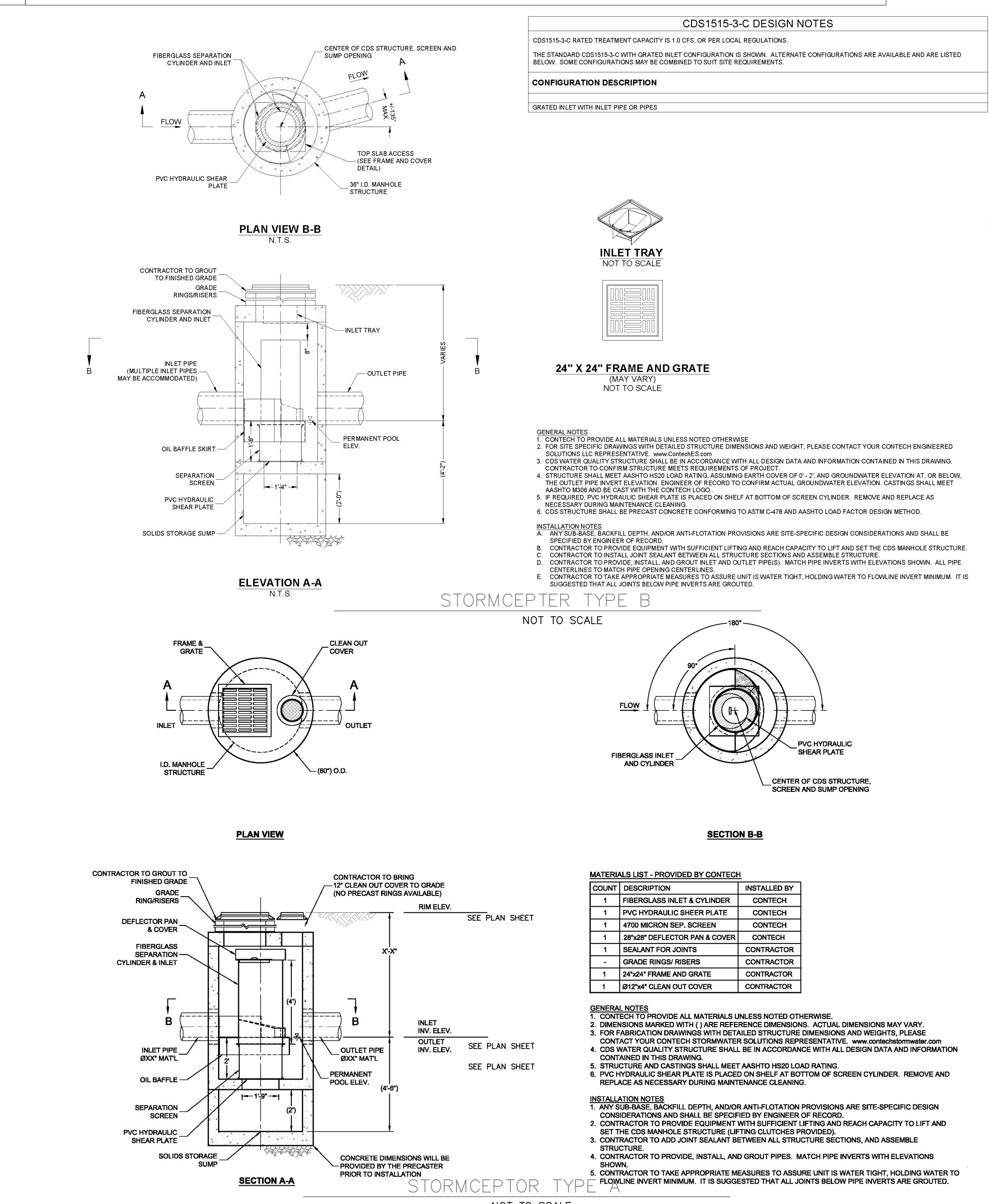
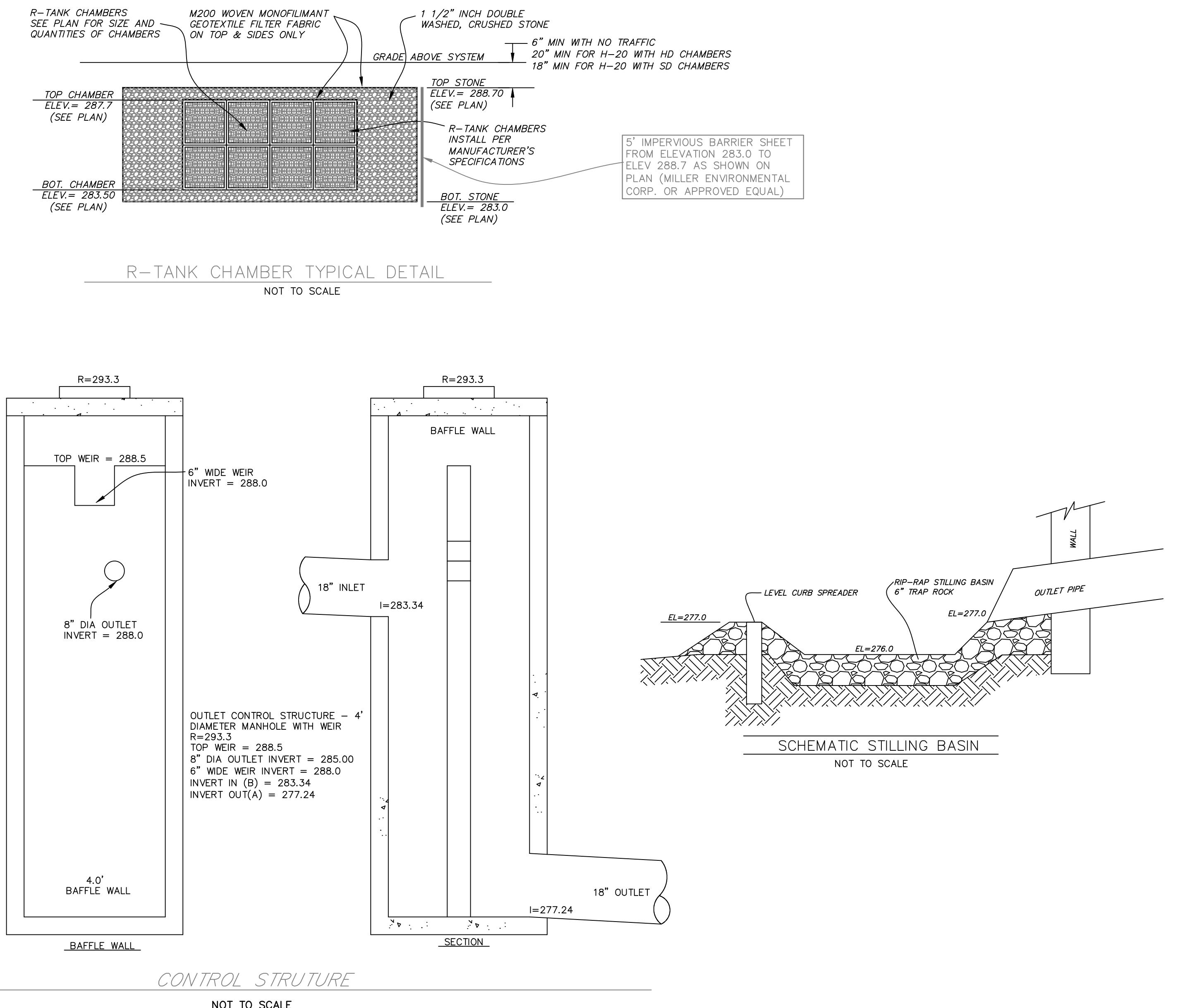
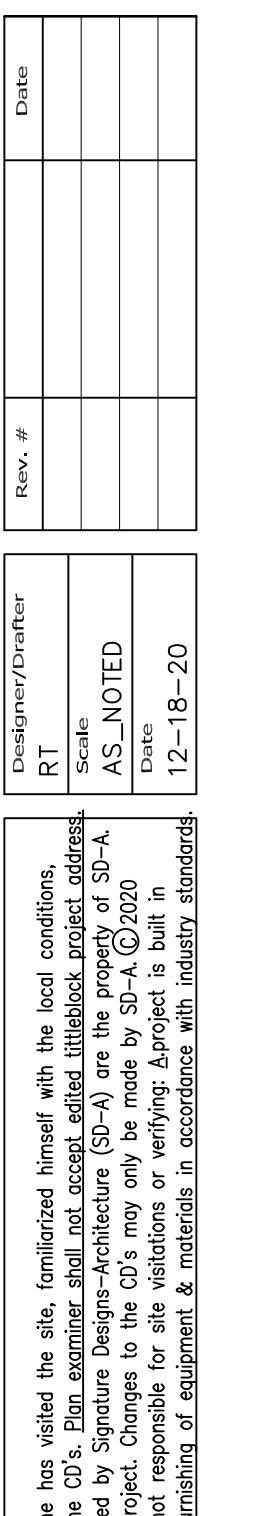
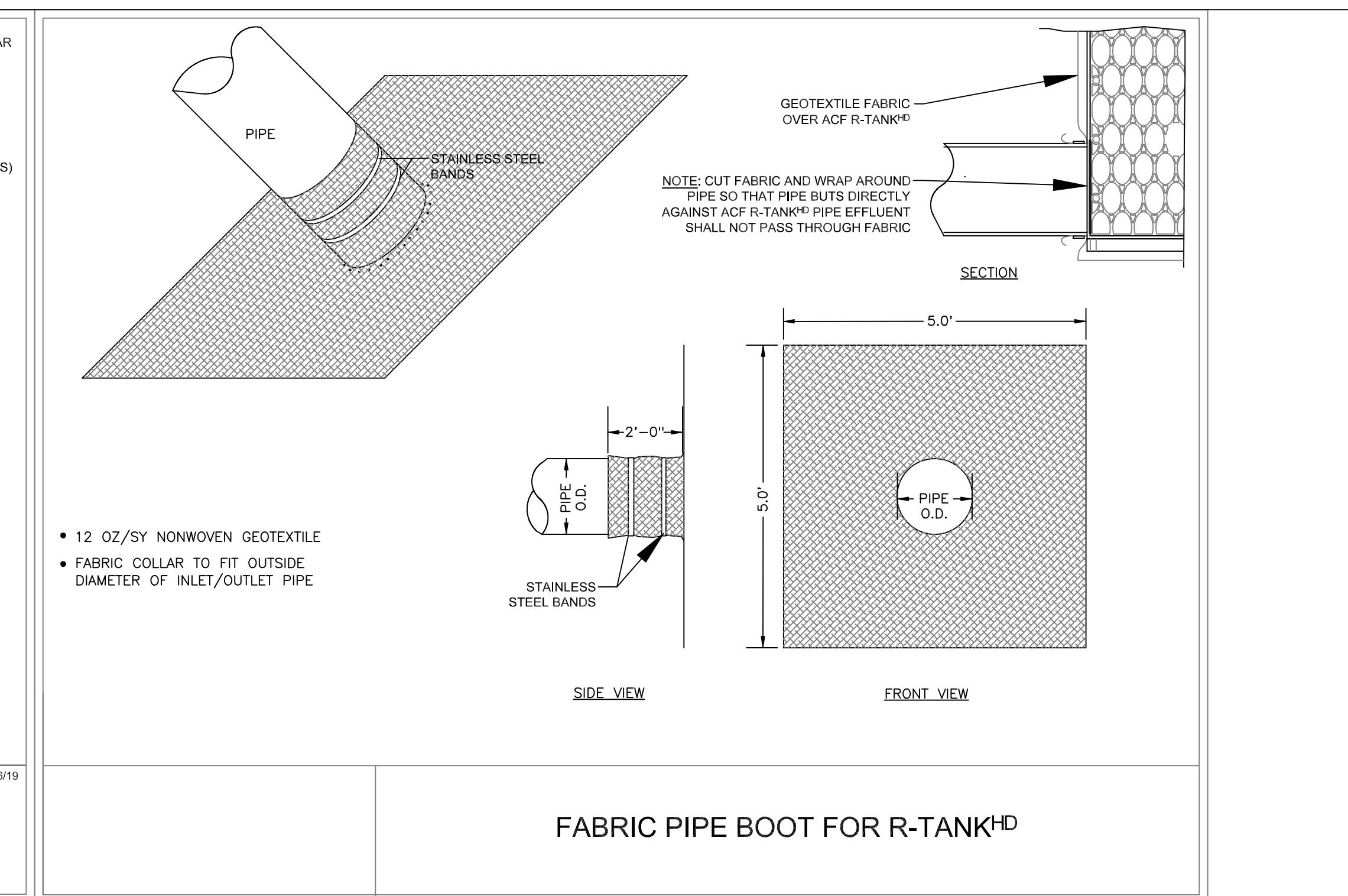
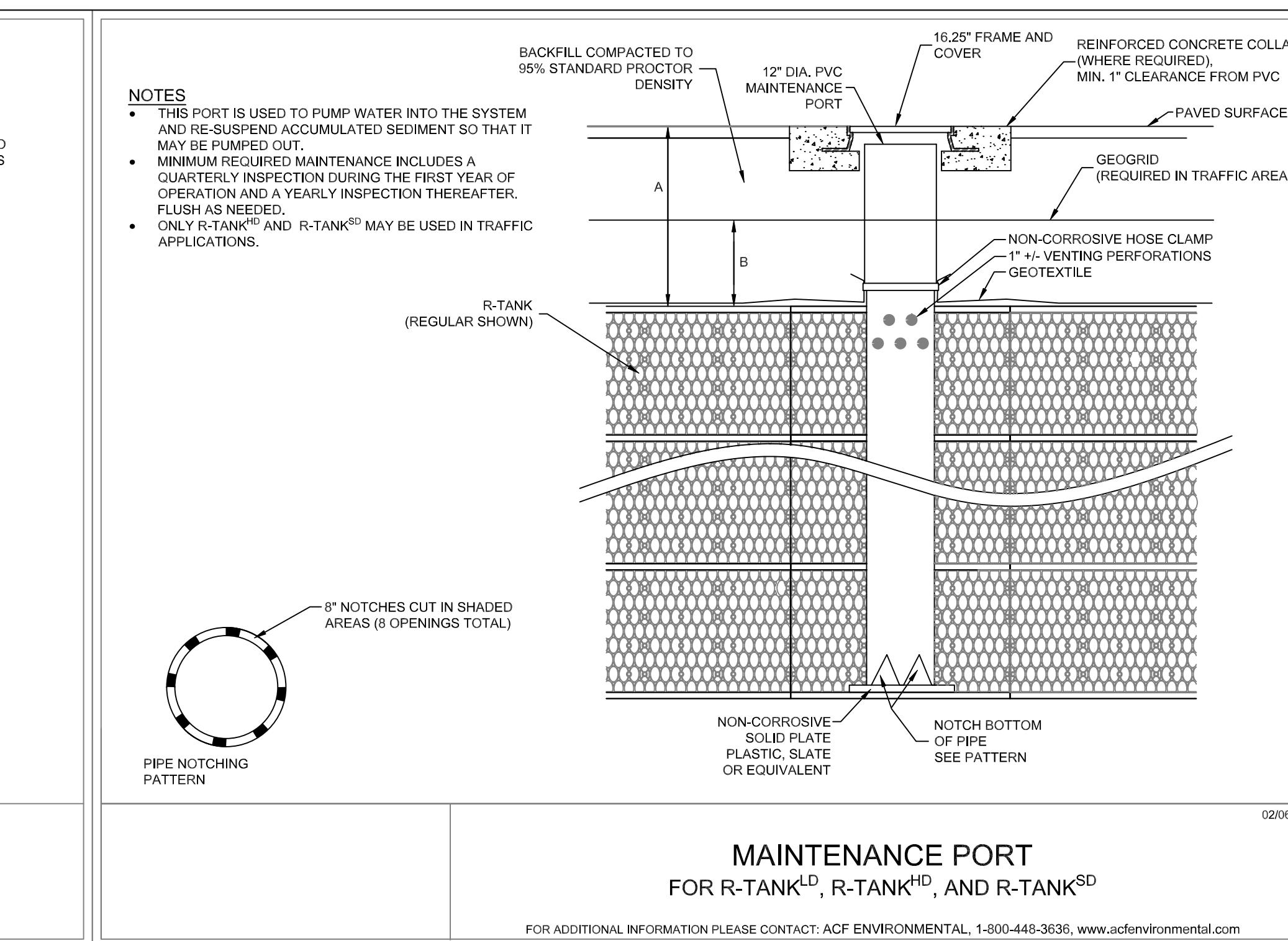
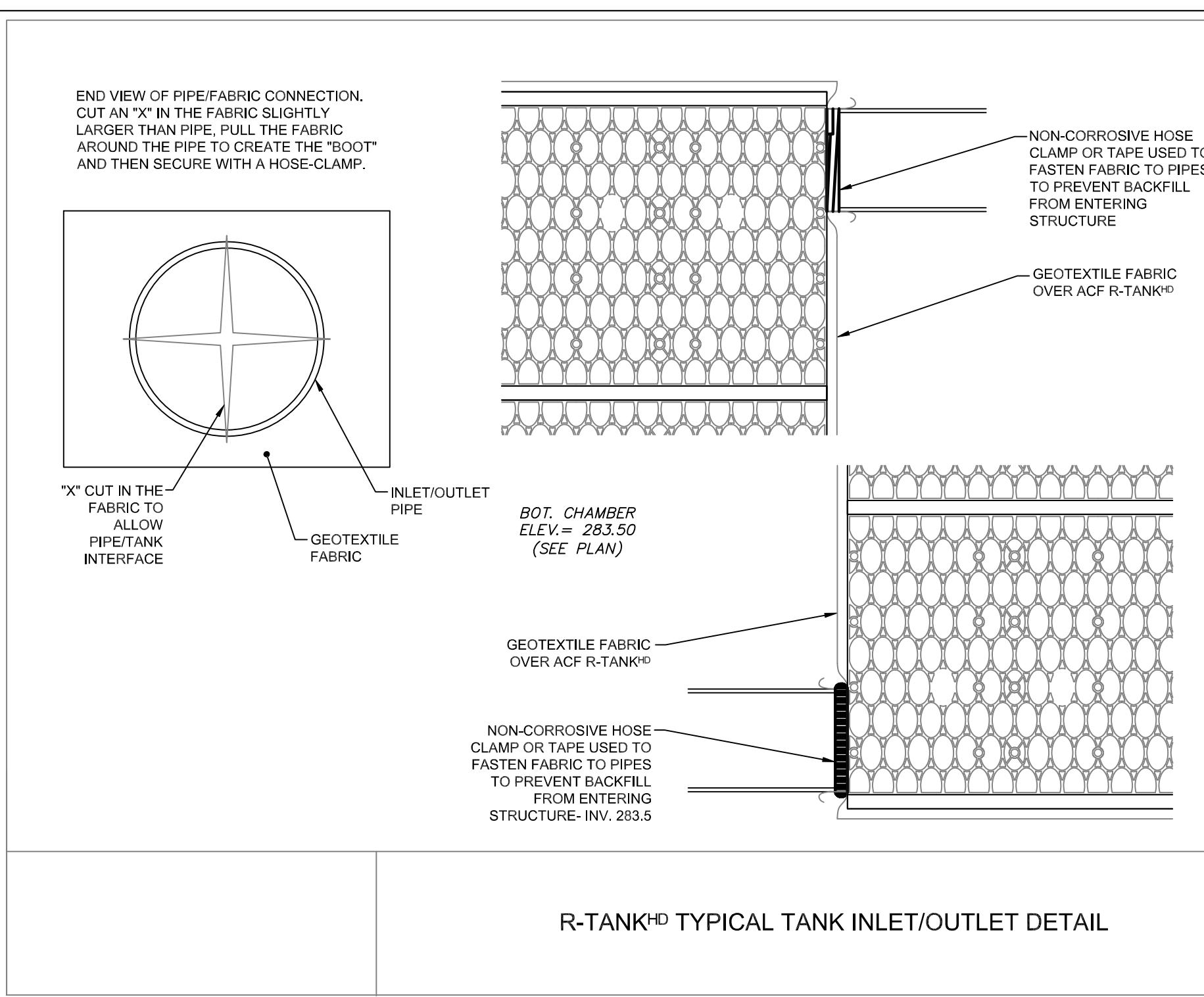
	Minimum	Maximum
Front GAWR (lbs)	20000	22800
Rear GAWR (lbs)	34000	54000
Width (in.)	98	100
Height (in.)	10.5	12.5
Length (ft.)	39	43

DOVER MASS FIRE ACCESS

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Scans	AS NOTED
Date	12-18-20

ARCHITECTURE **161**
73 Bishop Road, Sharon, MA 02067 781 806-0063

C9



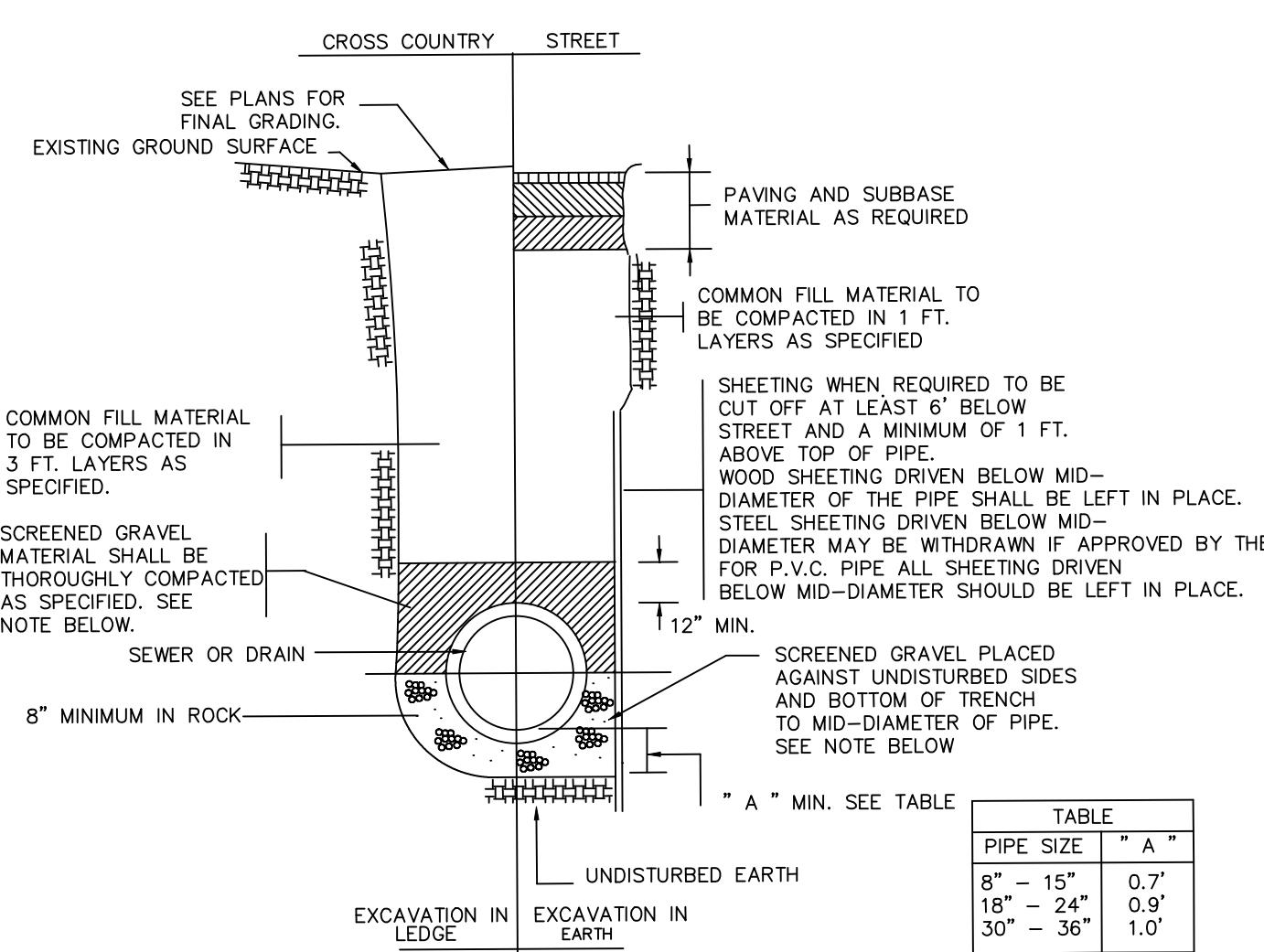
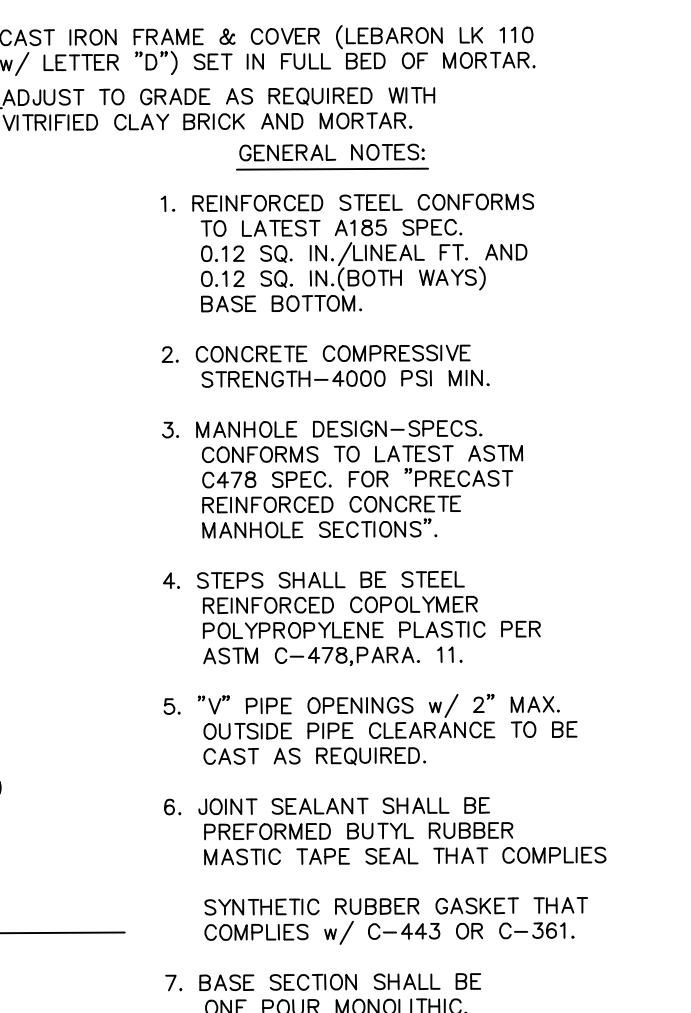
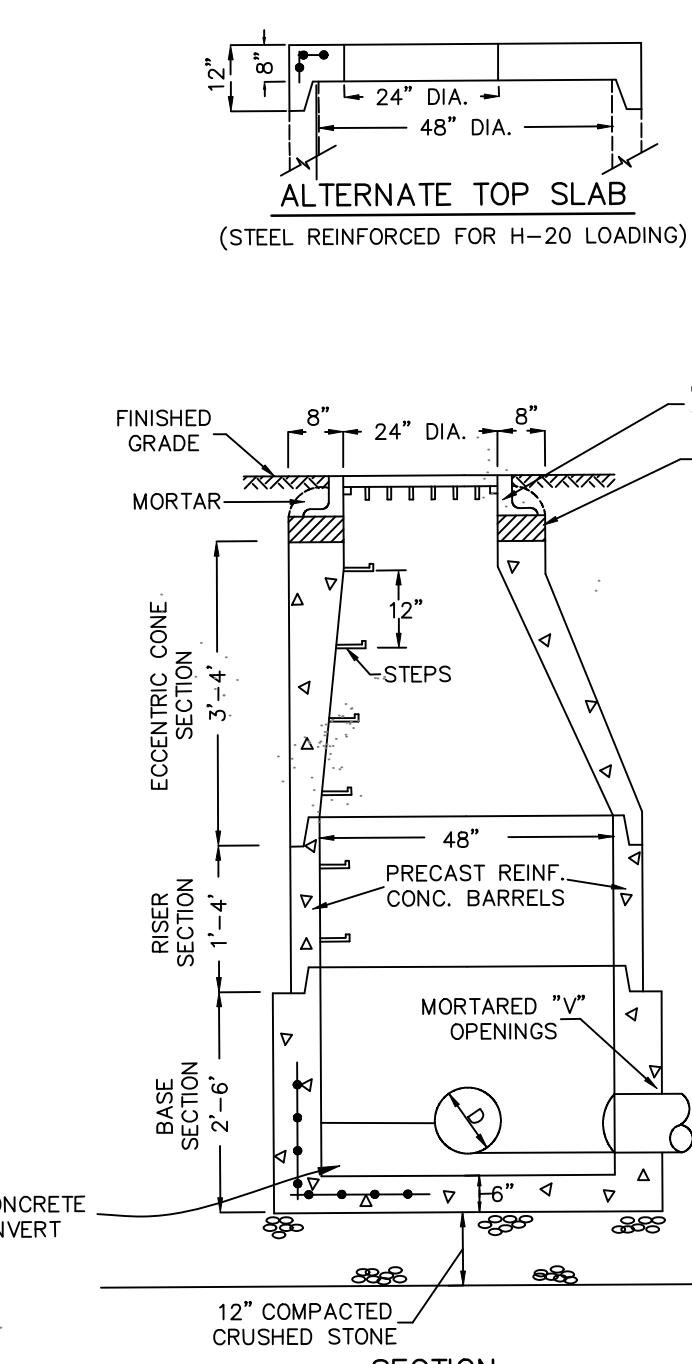
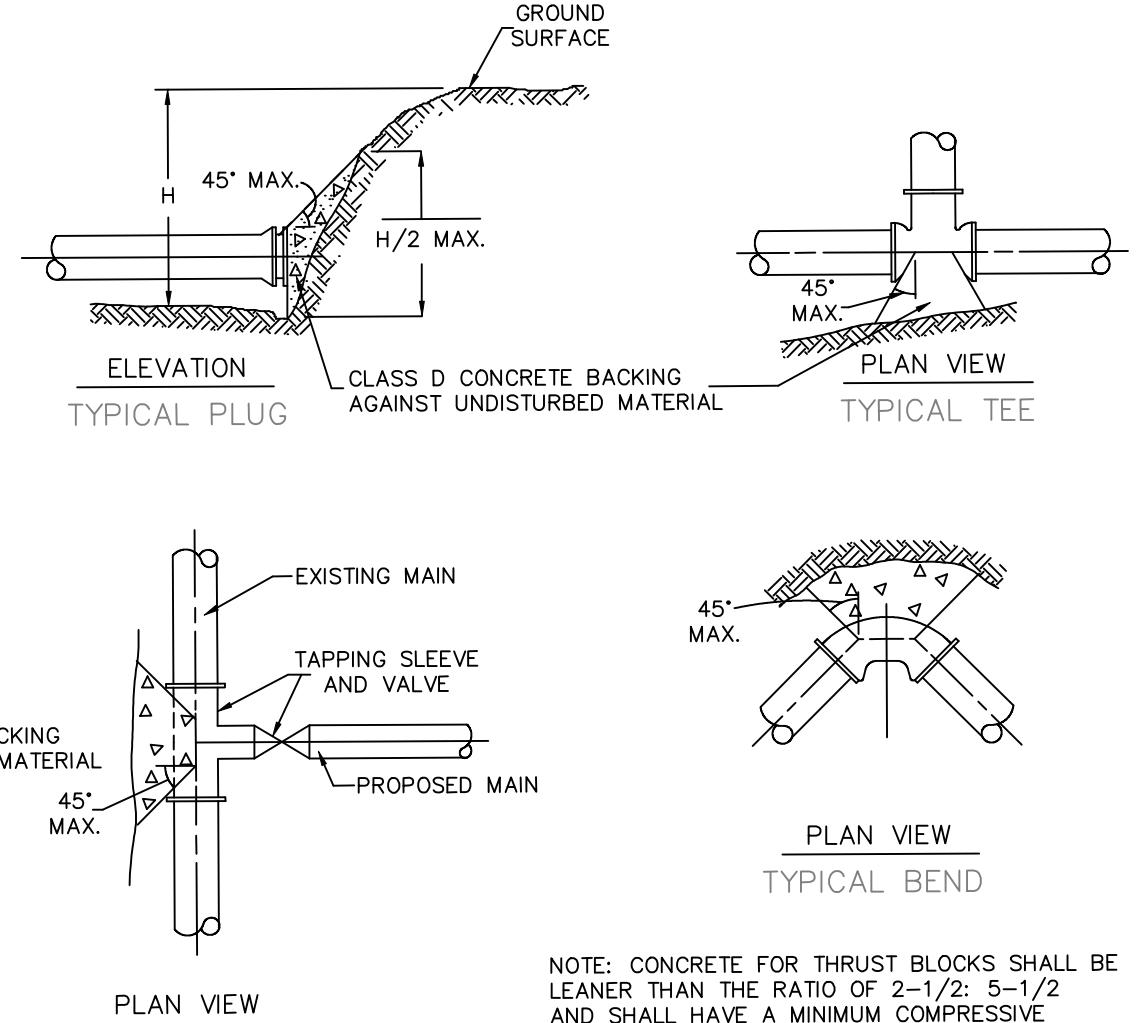
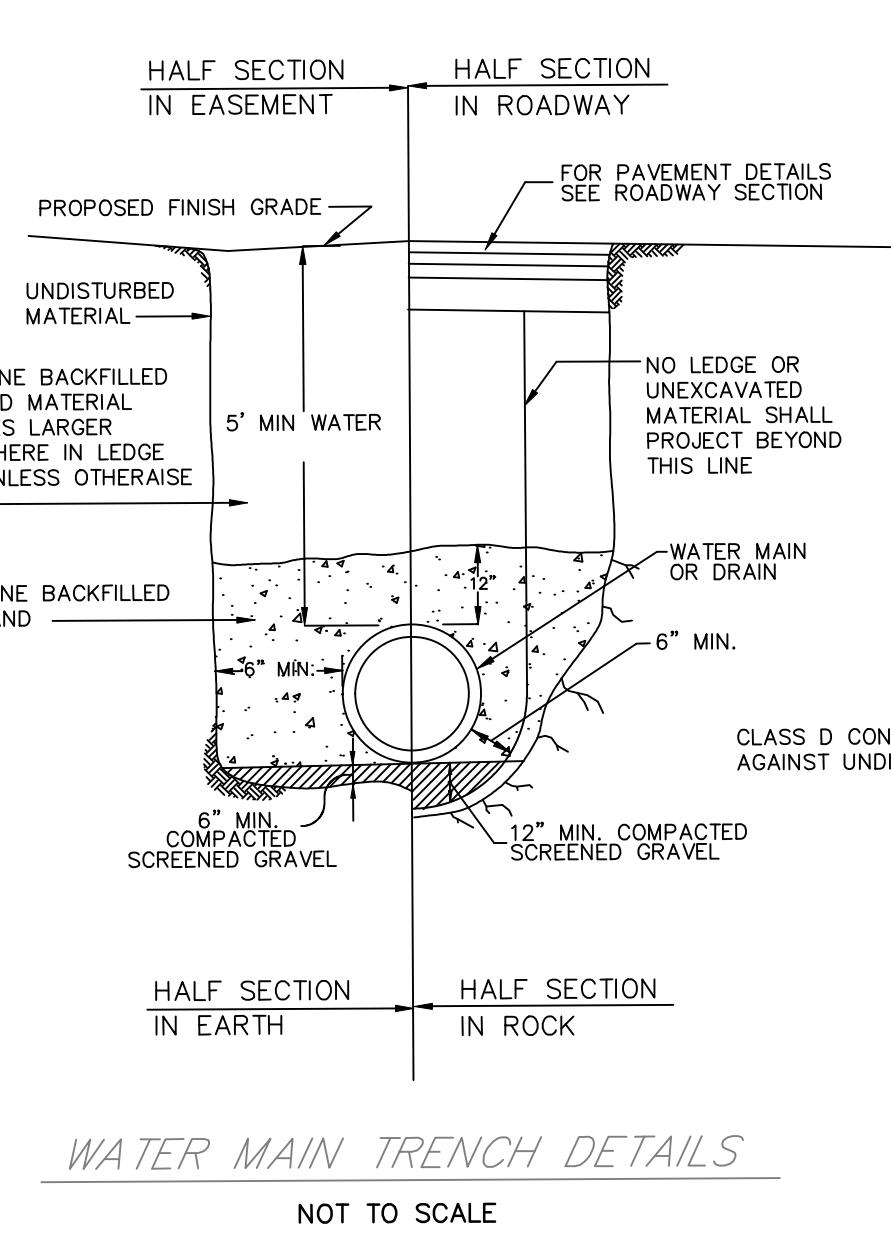
Date _____
Rev. # _____
Designer/Drafter _____
R1 _____
Scale _____
AS-NOTED _____
DRAFTS _____
12-18-20

Use and/or interpretation of this Drawing by others shall be deemed an acknowledgment of the contractor's representation that he has visited the site, familiarized himself with the local conditions, and has determined that the drawings and specifications are in accordance with the conditions of the job. The contractor shall be responsible for any changes in the drawings and specifications made in accordance with the local conditions. All drawings and specifications are the property of SP-A. Changes to the CDs may only be made by SP-A. SP-A is not responsible for site variations or verifying As-Built. Project is built in accordance with industry standards.

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Sheet No. C12

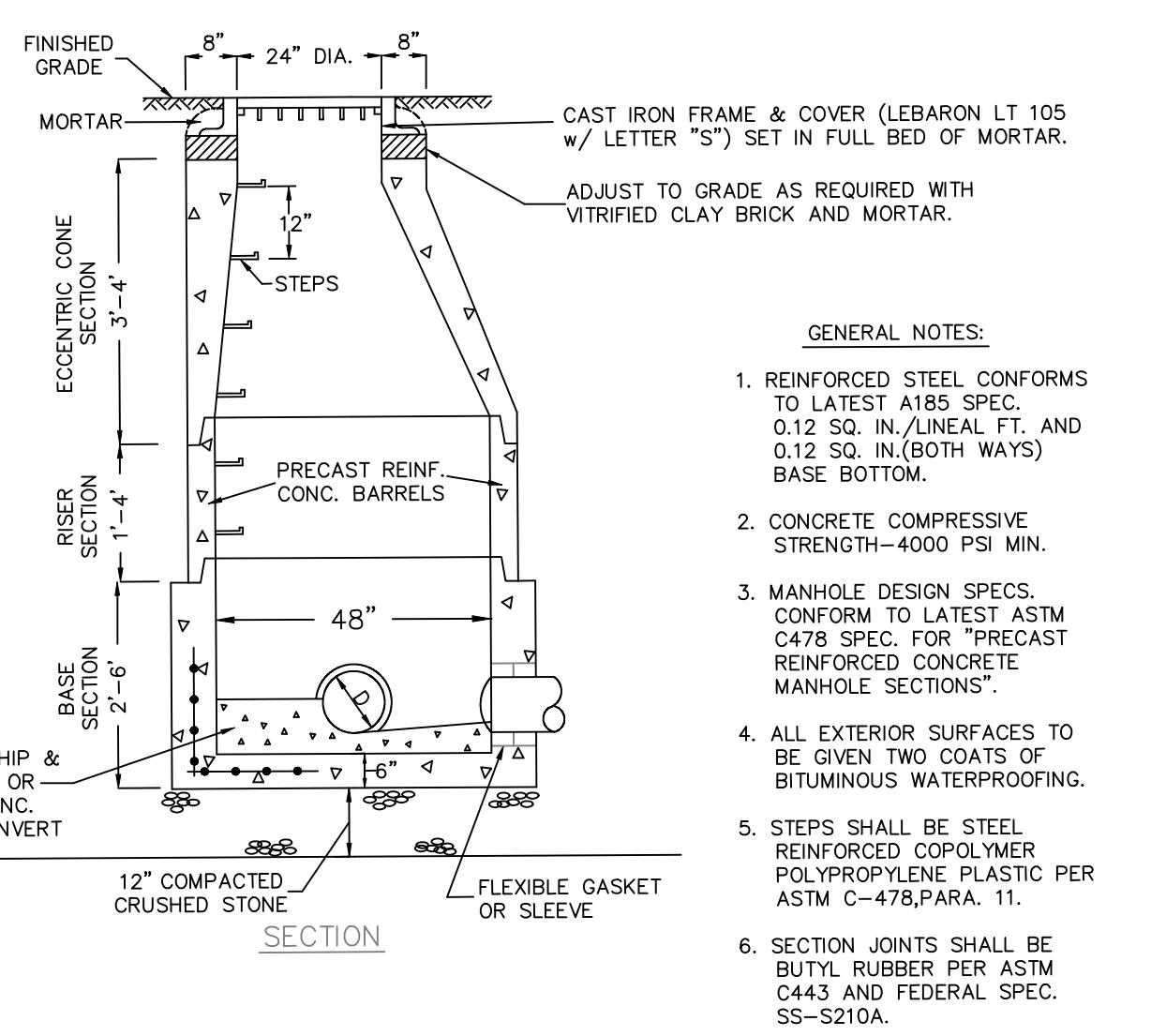
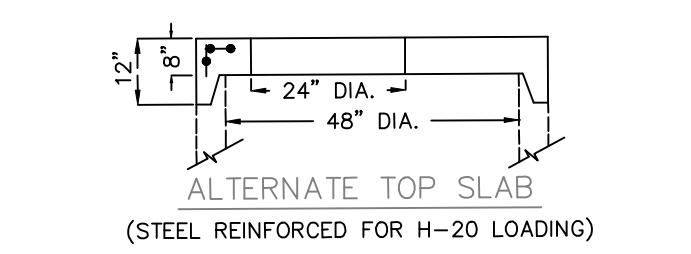


NOTES :
1. FOR P.V.C. PIPE SCREENED GRAVEL TO EXTEND TO 12" ABOVE TOP OF PIPE.
2. PROVIDE AT LEAST ONE DAM IN GRAVEL BEDDING BETWEEN EACH MANHOLE WHERE DIRECTED OR EVERY 300 FT. WHICHEVER IS LESS.

PIPE SIZE	" A "
8" - 15"	0.7'
18" - 24"	0.9'
30" - 36"	1.0'

TABLE

NOTES :
1. FOR P.V.C. PIPE SCREENED GRAVEL TO EXTEND TO 12" ABOVE TOP OF PIPE.
2. PROVIDE AT LEAST ONE DAM IN GRAVEL BEDDING BETWEEN EACH MANHOLE WHERE DIRECTED OR EVERY 300 FT. WHICHEVER IS LESS.



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Sheet No. C12

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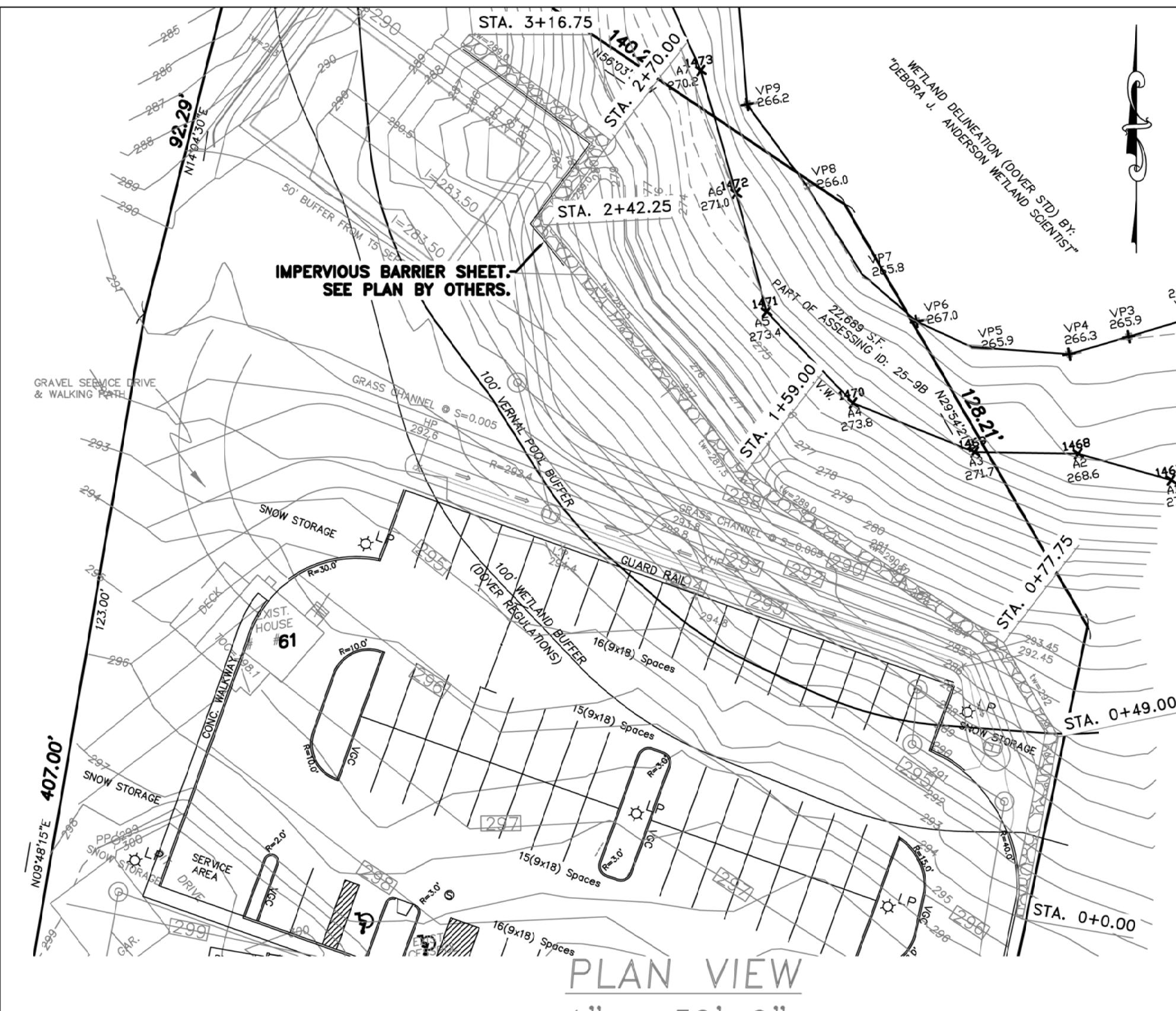
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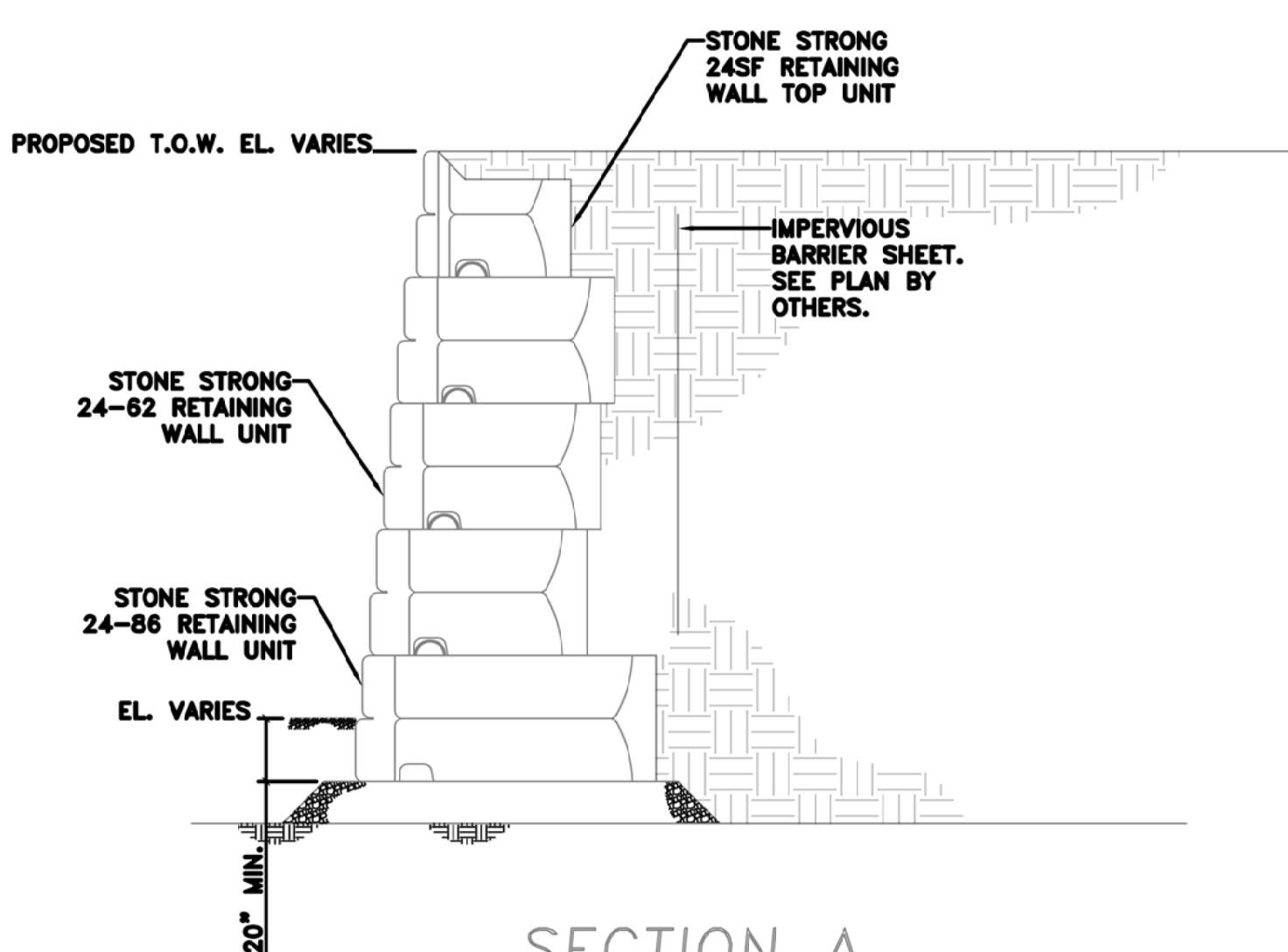
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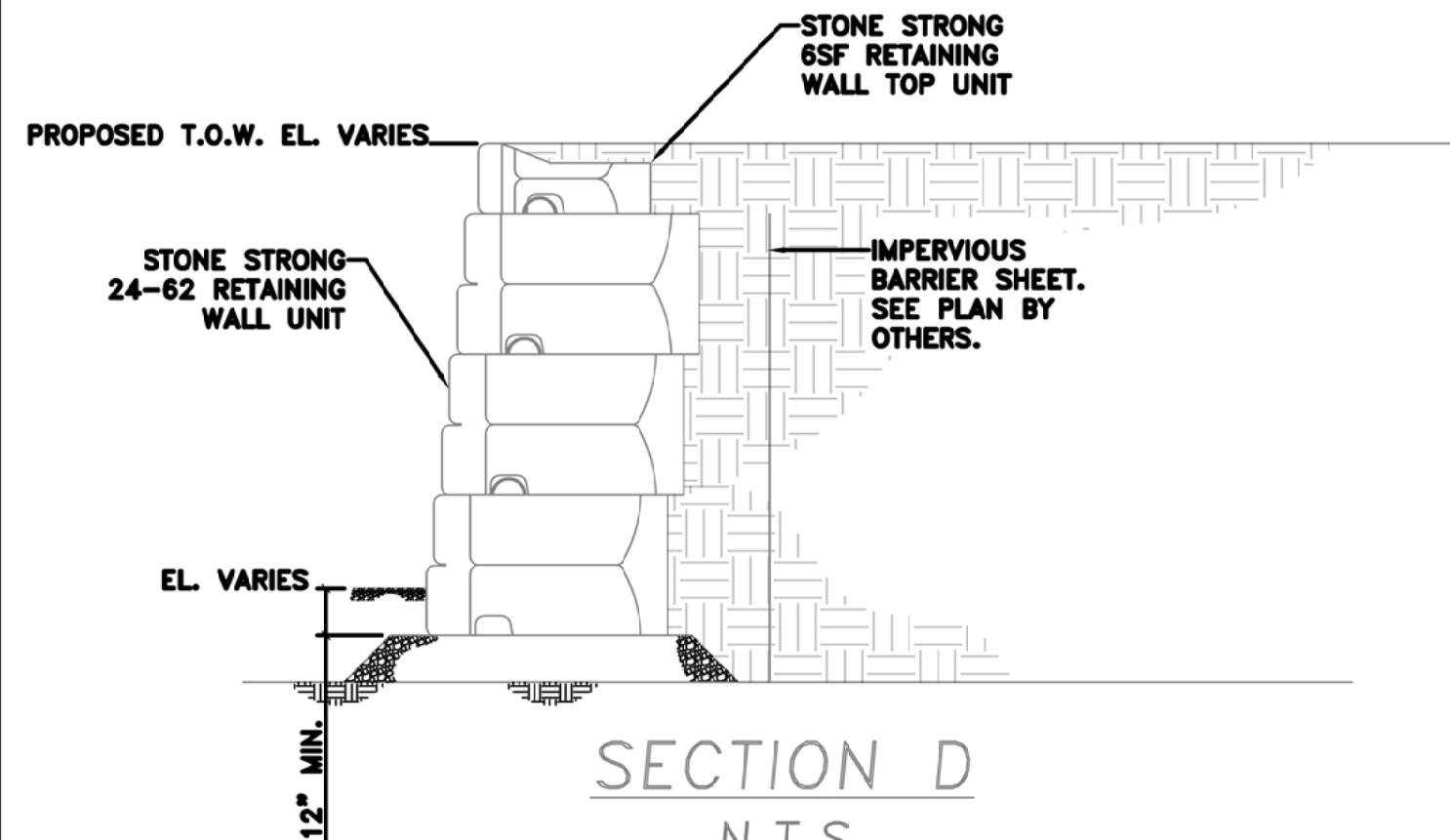
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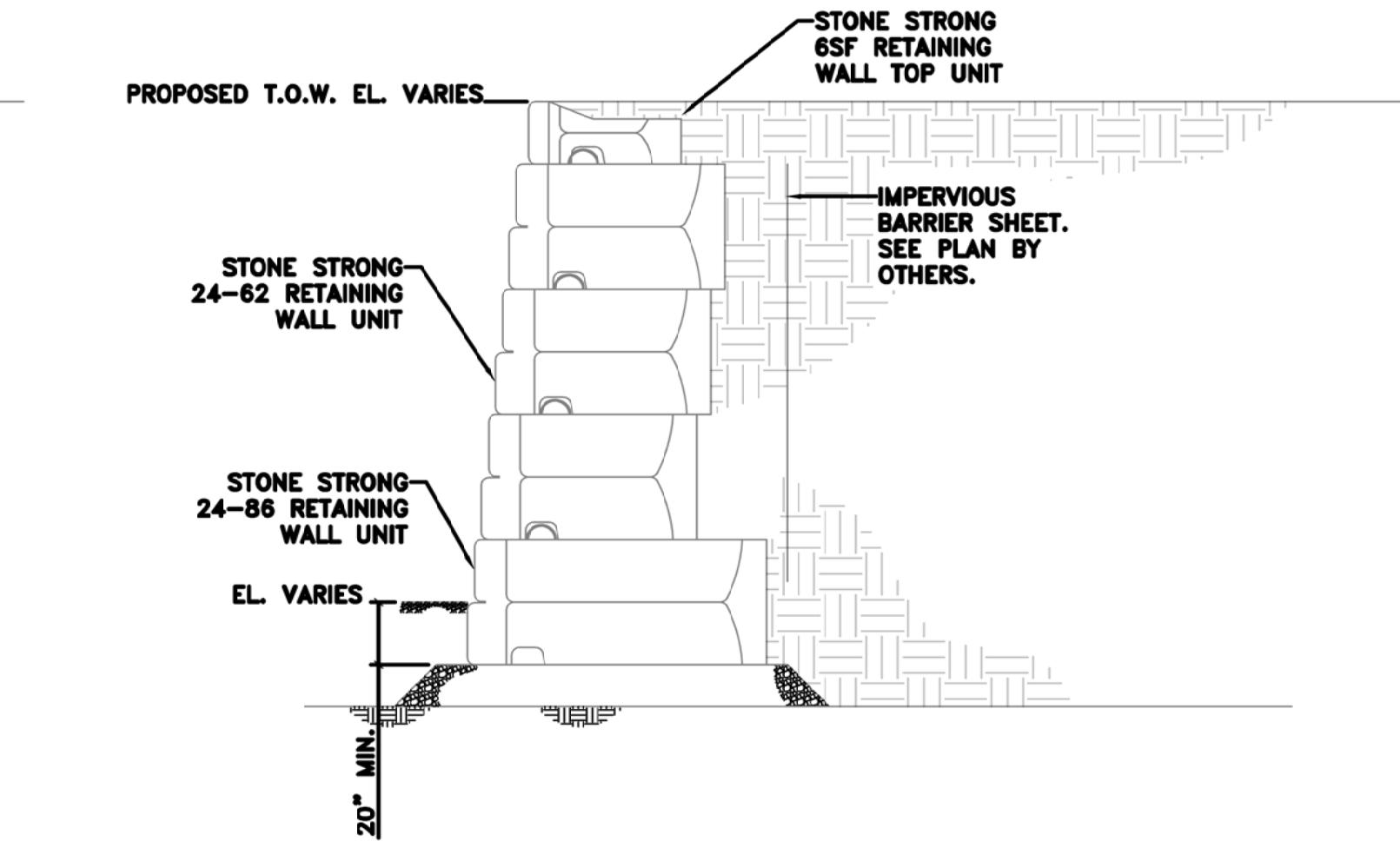
PLAN VIEW
1" = 30'-0"



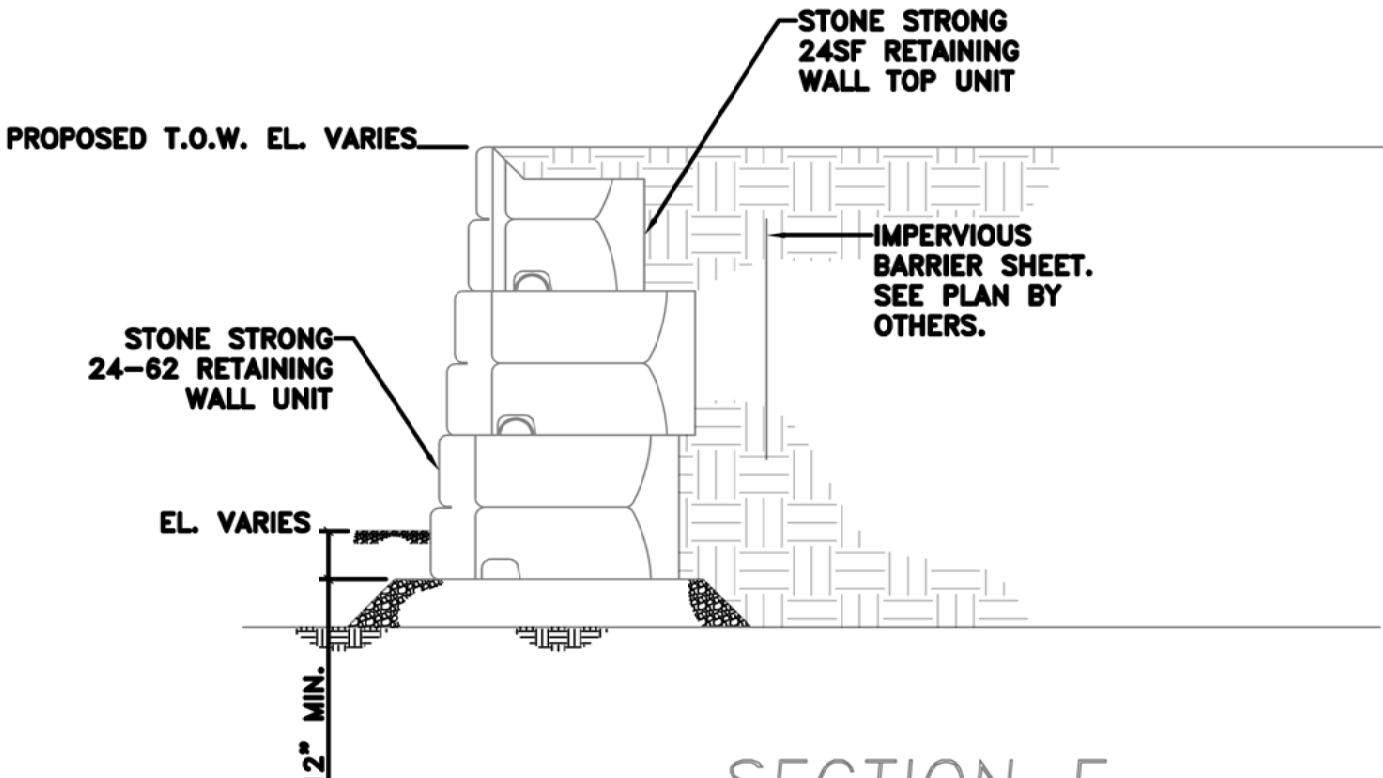
SECTION A
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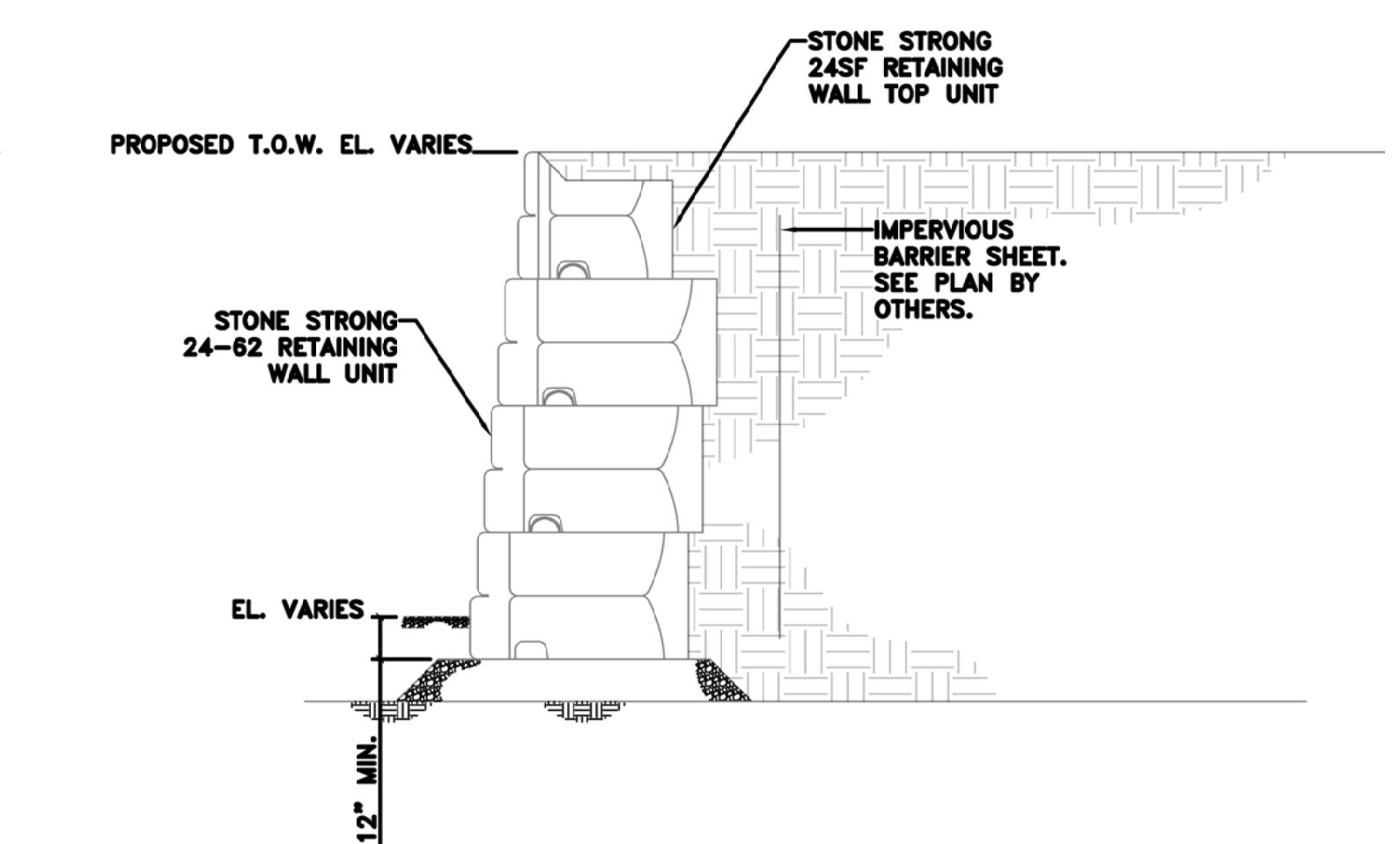
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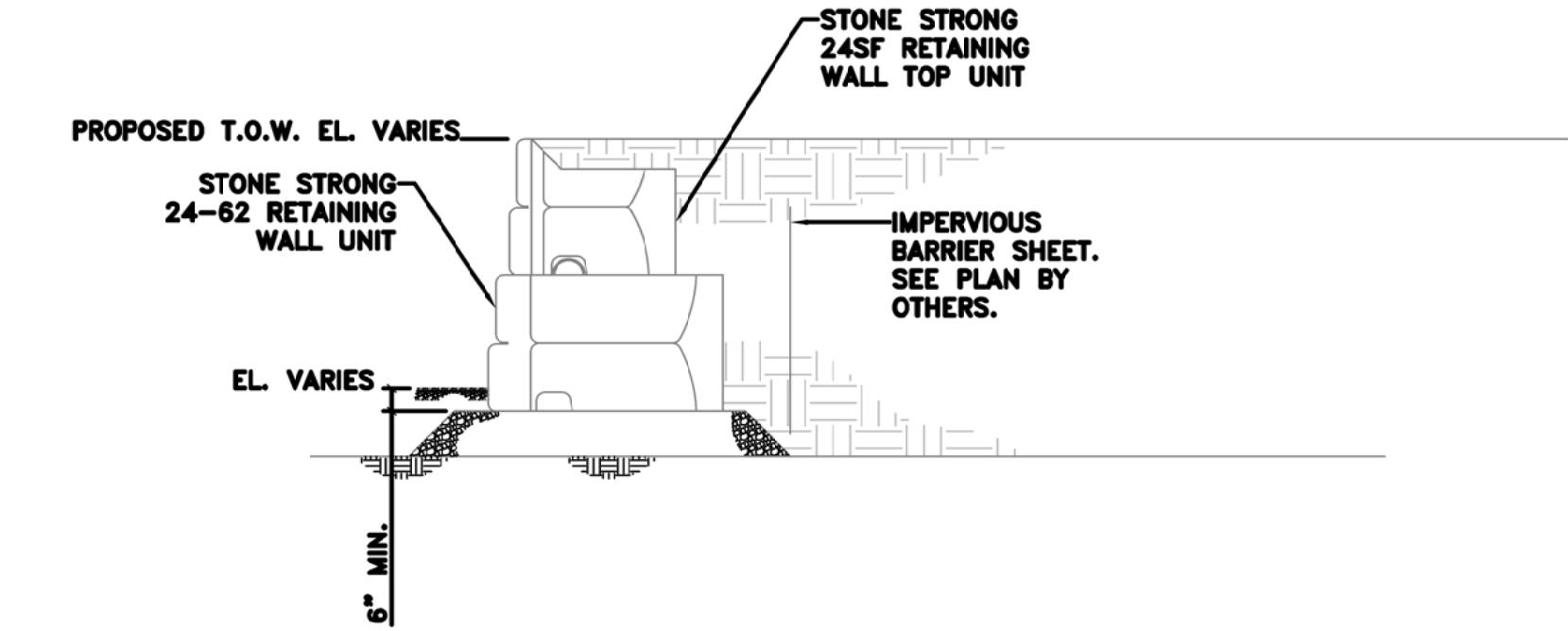
SECTION B
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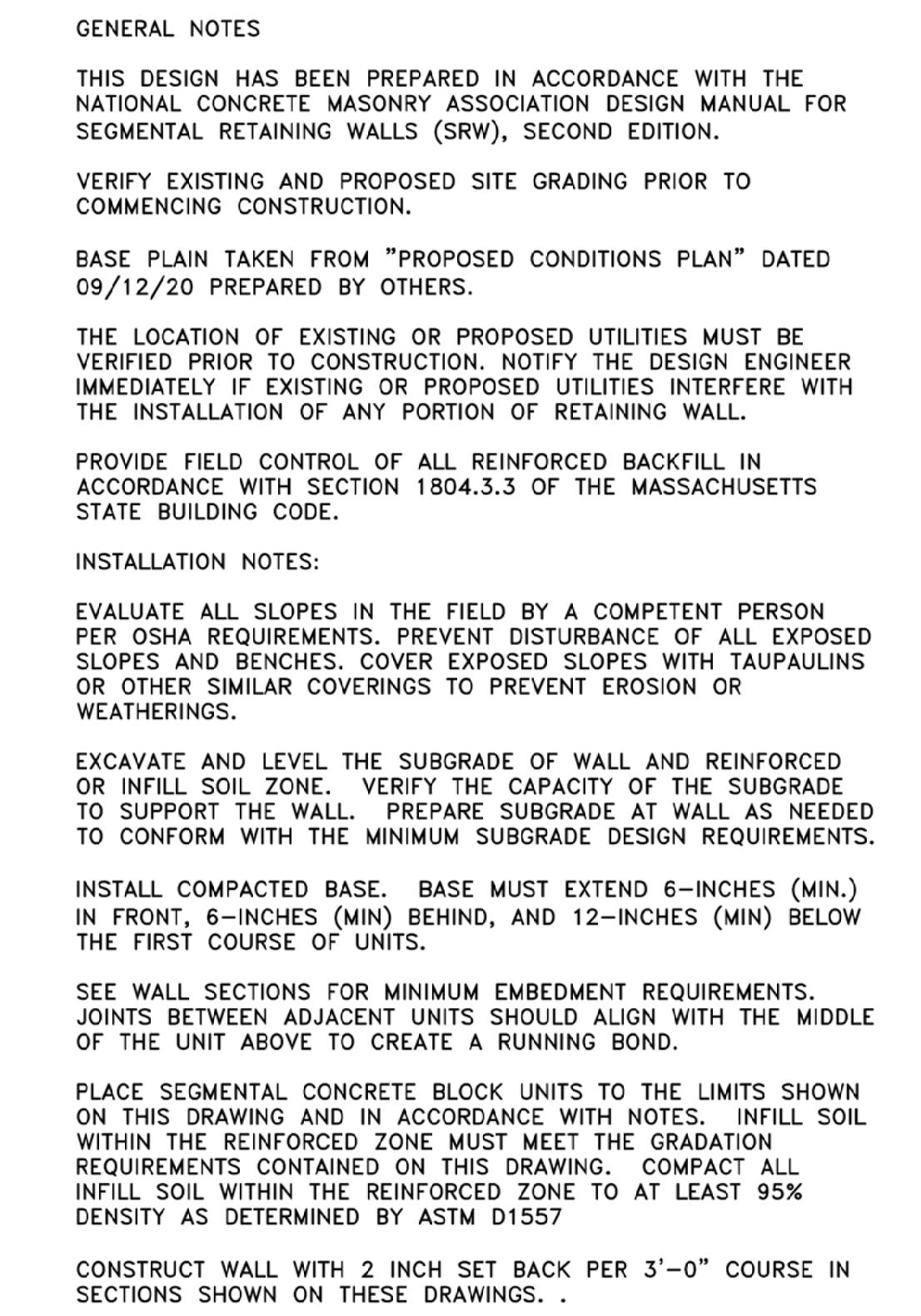
SECTION E
N.T.S.



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 WEATHERINGS.

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.

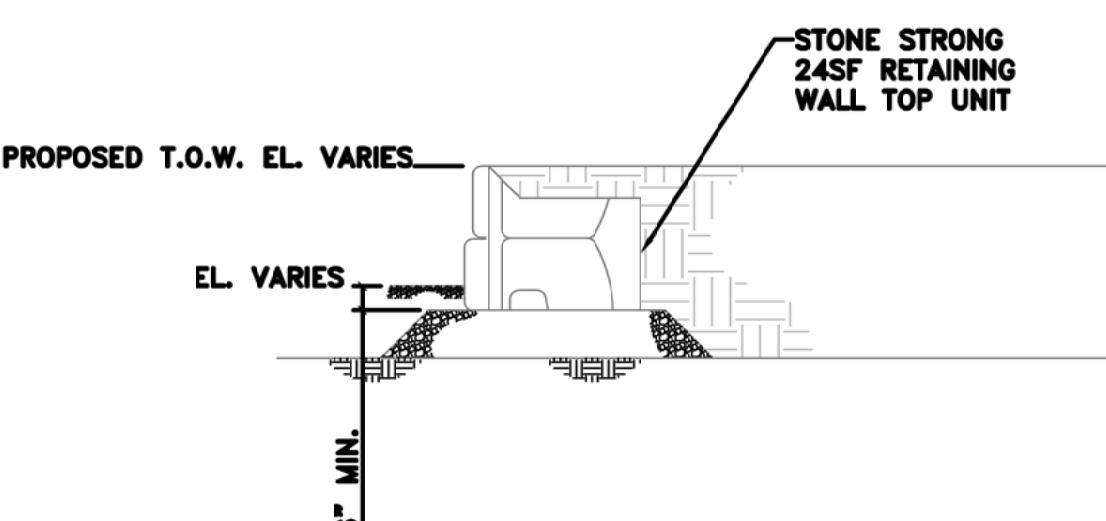
ALL CONCRETE SHALL BE AIR ENTRAINED 6% ($\pm 1\%$).

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.

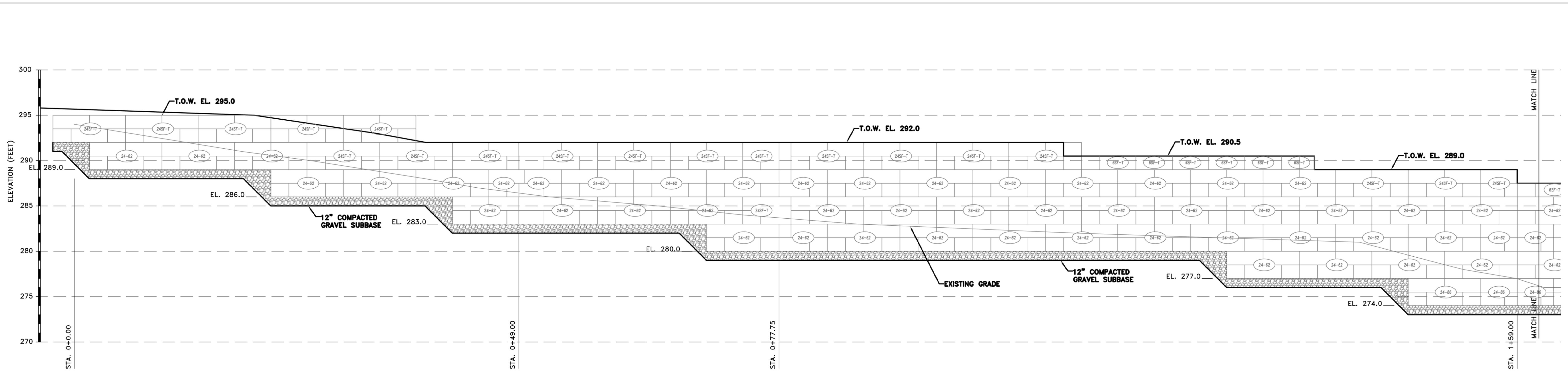
Design/Drawn/Revised/	29/21/21
Rev. #	3
Scanned/	4
Date	10/28/21

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

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

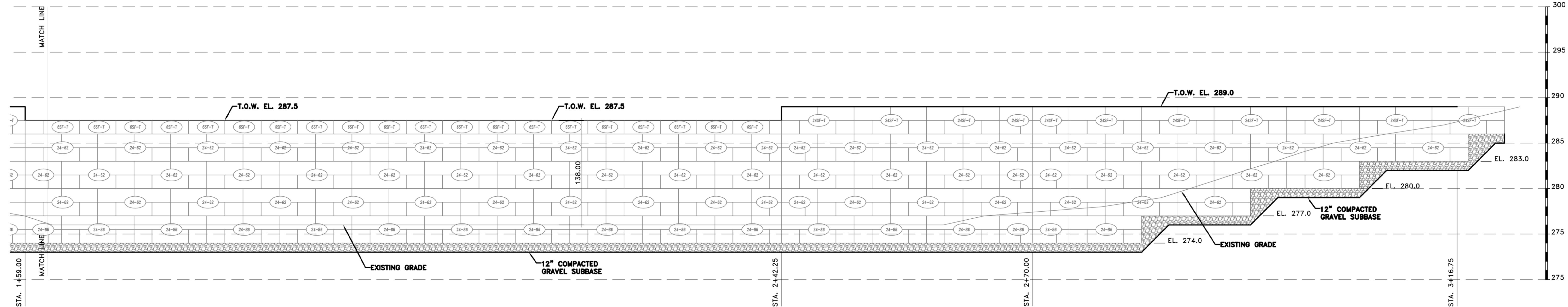
Design & Drafting services performed by:
Signature Designers
ARCHITECTURE DESIGN
73 Bishop Road, Sharon, MA 02067 781 806-0063

Sheet No.
C13



ELEVATION VIEW

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



ELEVATION VIEW

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

Geotechnical Consultants, Inc.

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

The logo for Signature Designs Architecture. It features a large, stylized letter 'Y' at the top, with a grid pattern inside. Below it is a smaller, stylized letter 'A' with a grid pattern. The entire logo is contained within a black rectangular border. To the left of the logo, the company name is written vertically in a bold, italicized serif font. To the right of the logo, the address and phone number are listed in a smaller, standard serif font.

Sheet No. **C14**



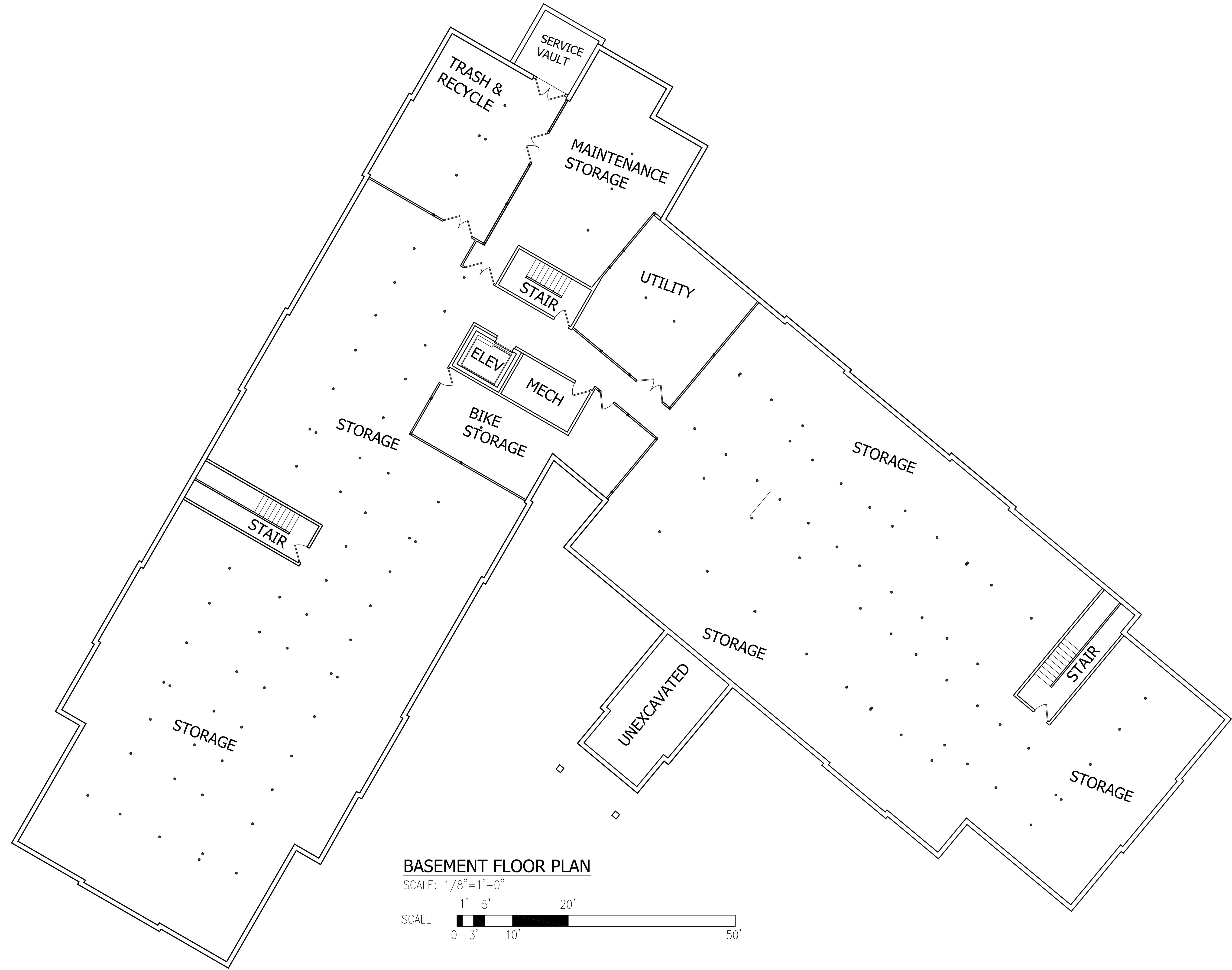
Drawing Description
1ST FLOOR PLAN
RED ROBIN PASTURES
COUNTY STREET, DOVER, MA

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

Sheet No.
A1

Designer/Drafter
HB
Scale
AS NOTED
Date
08/31/21

Rev. #
3
4
Date
09/21/21
10/28/21



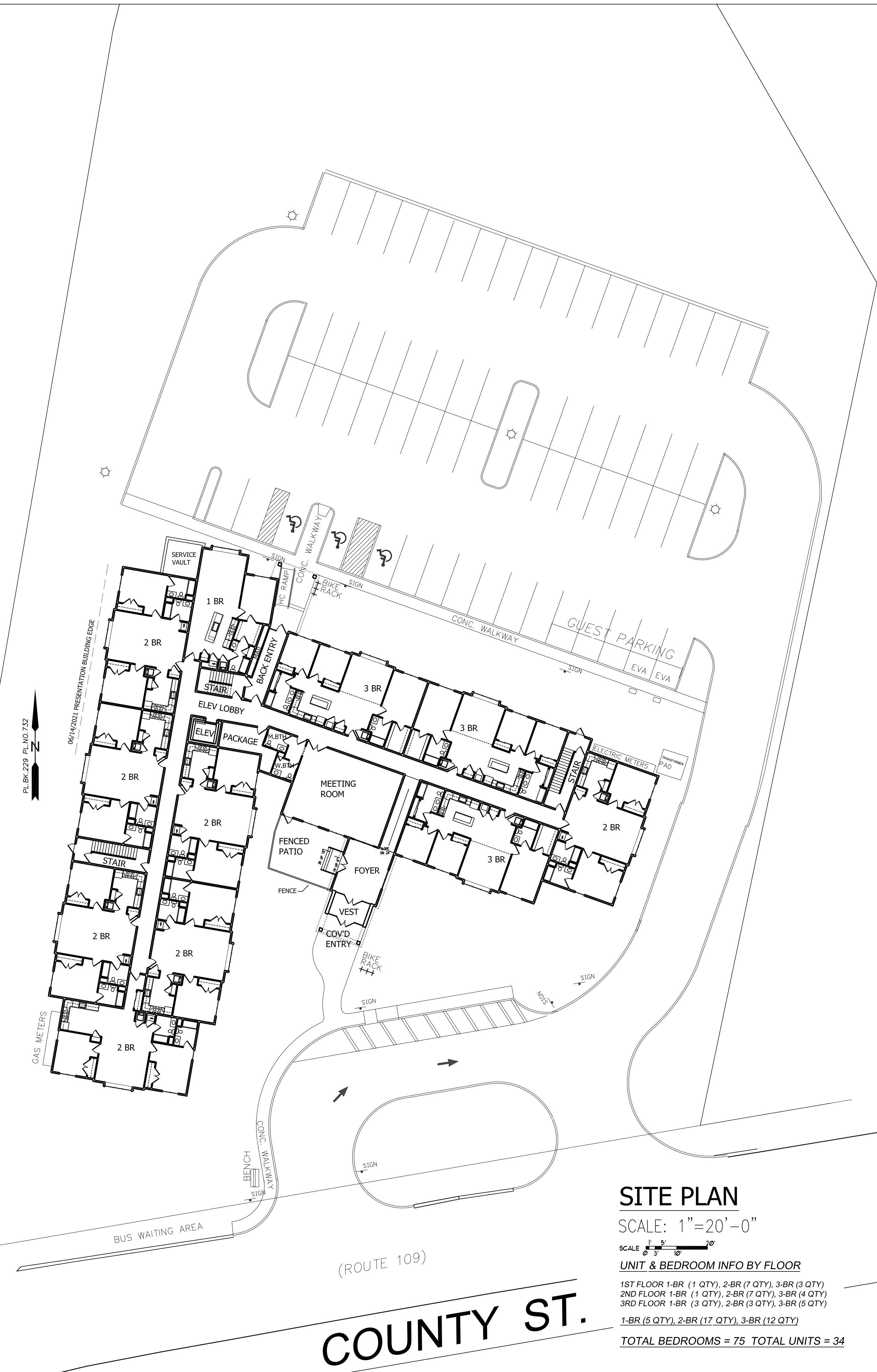
Drawing Description
BASEMENT FLOOR PLAN
RED ROBIN PASTURES
COUNTY STREET, DOVER, MA

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

Sheet No.
A1.0

Designer/Drafter
HB
Scale
AS NOTED
Date
08/31/21

Rev. #
3
4
Date
09/21/21
10/28/21



LAND USAGE TABLE - R-1 SINGLE FAMILY RESIDENCE (1 ACRE)

ITEM	REQUIRED DIMENSIONAL REGULATION	PROPOSED DIMENSIONS
MINIMUM LOT AREA	43,560 SQUARE FEET OR 1.00± ACRES	103,803 SQUARE FEET OR 2.52 ACRES
MINIMUM LOT WIDTH	150 FEET	264 FEET
MINIMUM FRONT SETBACK	40 FEET	38'-0" FEET
MINIMUM SIDE SETBACK	30 FEET	32'-6" FEET
MINIMUM REAR SETBACK	30 FEET	222 FEET
MAXIMUM BUILDING HEIGHT	35 FEET (2 1/2 STORIES)	44 FEET (3 STORIES)
MAXIMUM LOT COVERAGE REQUIREMENTS BY STRUCTURES	20%	14.8% (16,321 SF)

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

Drawing Description: GROUND LEVEL & SURROUNDING SITE
 RED ROBIN PASTURES
 COUNTY STREET, DOVER, MA



Drawing Description: 2ND 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.
A2

Designer/Drafter: HB
Rev. #: 3
Date: 09/21/21
AS NOTED
Scale: 1/8"=1'-0"
Date: 10/28/21
08/31/21



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

Design & Drafting services performed by:
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Sheet No.
A3

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

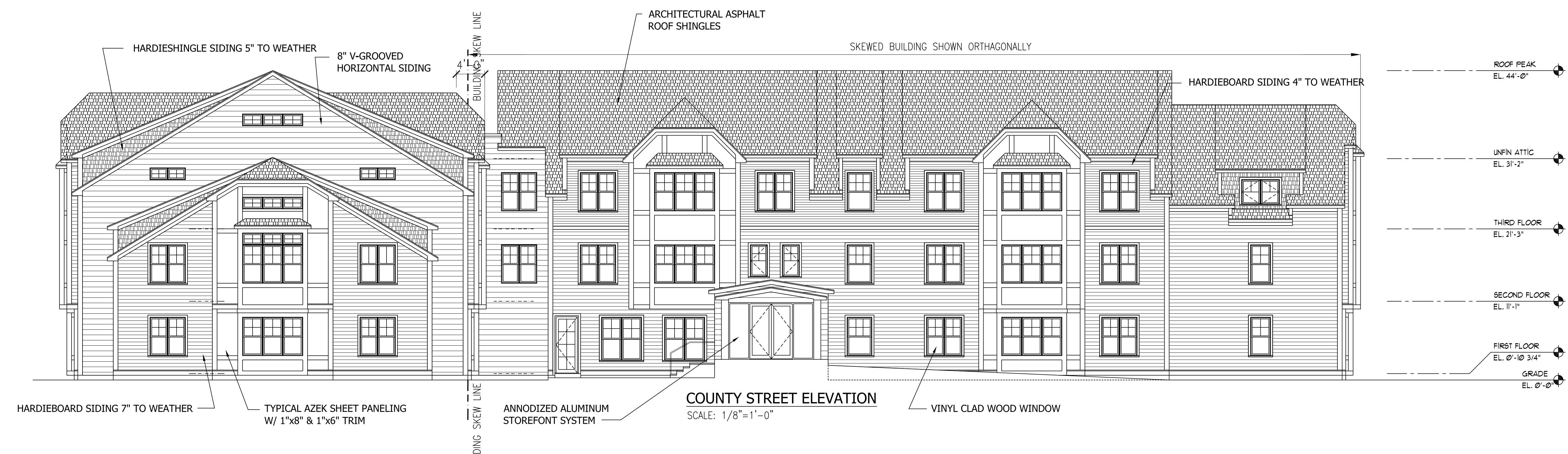


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 73 Bishop Road, Sharon, MA 02067 781.886.0063

A4

Designers/Drafters
HB
 Scale
 AS NOTED
 Date
 08/31/21

Rev. #
3
 Date
 09/21/21
 09/28/21

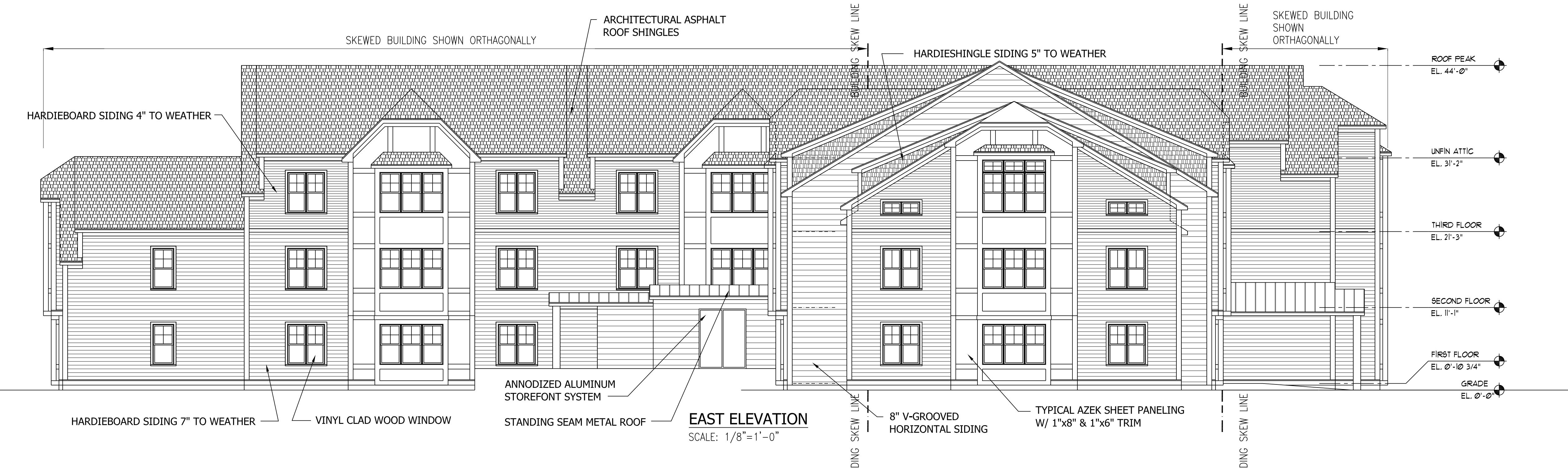


Drawing Description
STREET & PARKING LOT ELEVATIONS
RED ROBIN PASTURES
COUNTY STREET, DOVER, MA

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
Scale	4	10/28/21
As Noted		
dates		
08/31/21		

LANDSCAPING 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 MULCH IN SUFFICIENT QUANTITIES TO COMPLETE PLANTING AS SHOWN ON THE DRAWINGS.
DRAWING QUANTITIES TAKE PRECEDENCE OVER PLANT LIST QUANTITIES.

ALL PLANT MATERIAL SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT.
ALL PLANT MATERIAL SHALL BE PLANTED BY THE AMERICAN NURSERY & LANDSCAPE ASSOCIATION.
ALL CONTAINER GROWN STO SHALL BE PLANTED WITH THE BEST FACE SHOWING. ALL PLANTS SHALL BE BALLED AND BURLAPPED OR CONTAINER GROWN, UNLESS OTHERWISE APPROVED BY THE LANDSCAPE ARCHITECT.
THE QUALITY OF ALL TREES & SHRUBS IS TO BE NORMAL FOR THE SPECIES. ALL PLANTS ARE TO HAVE DEVELOPED ROOT SYSTEMS, TO BE FREE OF INSECTS AND DISEASES AS WELL AS MECHANICAL INJURIES, AND IN A HEALTHY GROWING CONDITION. A CONTAINER GROWN PLANT SHALL HAVE A WELL ESTABLISHED ROOT SYSTEM REACHING THE SIDES OF THE CONTAINER TO MAINTAIN A FIRM BALL.
ALL CONIFERS SHALL HAVE DORMANT BUDS AND SECONDARY NEEDLES.
WHERE SPECIFIED, CALIPER SIZE IS TO BE THE OVERRIDING FACTOR IN TREE SELECTION. CALIPER SIZE SHALL BE MEASURED 12" ABOVE THE ROOTBALL.
PLANT SUBSTITUTIONS ARE NOT ALLOWED UNLESS APPROVED BY THE PROJECT LANDSCAPE ARCHITECT.

ALL DISTURBED AREAS NOT SHOWN OTHERWISE SHALL BE LOAMED 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 COULD BE AMENDED AND THE LOAM AS RECOMMENDED. SEND THE SOIL SAMPLE TO THE UNIVERSITY OF MASSACHUSETTS SOIL AND PLANT TISSUE TESTING LABORATORY, WEST EXPERIMENT STATION, 682 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.

SLOPE SEED MIX SHALL BE THE PREVIOUS YEARS CROP. 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 BE PLANTED AND WATERED DAILY AND DISPLAYING HEALTHY, UNIFORM GROWTH AND HAS BEEN CUT PRIOR TO PLANTING. THE SITE CONTRACTOR IS RESPONSIBLE FOR APPLYING AT A MINIMUM 1" OF WATER A WEEK UNTIL THE SEDED AREAS HAVE BEEN ACCEPTED. THE WATERING SHALL OCCUR IN SMALL DOSES.

THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ANY WEEDS (CRAB GRASS) WITHIN THE SEDED AREAS UNTIL THE SEDED AREAS HAVE BEEN ACCEPTED.

THE HYDRO SEED SLURRY SHALL BE A WOOD BASED BONDED FIBER MATRIX. THE APPLICATION RATE SHALL BE 2,500-3,000LB. PER ACRE SPRAYED IN A LEAST TWO DIRECTIONS. DO NOT APPLY HYDRO SEED SLURRY IF RAIN IS EXPECTED WITHIN 12 HOURS, AND WHEN TEMPERATURES ARE BELOW 50 DEGREES.

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

THE END OF THE PLANTING SEASON, ALL EXISTING PLANTING Holes SHALL BE DUG OUT AND DEEPENED TO ESTABLISH IN THE NEW SOIL. AT PLANTING, WATER THOROUGHLY TO SOAK THE ROOTS AND TO SETTLE THE SOIL. THE PLANTING Holes SHALL BE DUG OUT AND DEEPENED TO ESTABLISH IN THE NEW SOIL.

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 A MINIMUM OF TWO (2) TIMES A DAY FOR THE FIRST TWO (2) MONTHS, ONCE IN THE EARLY MORNING AND THEN THE OTHER IN THE LATE AFTERNOON. IN 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 RECEIVES 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 DEEPLY 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.

NOTES:
1. STAKE TO MAIN BRANCHES AS NECESSARY FOR FIRM SUPPORT.
2. PLANT SO THAT TOP OF ROOT BALL IS EVEN WITH THE FINISHED GRADE.
3. GUY WIRE SHALL NOT TOUCH OR RUB ADJACENT TRUNKS OR BRANCHES.
4. REMOVE ALL CONTAINERS AND BASKETS FROM ROOT BALL.
5. REMOVE BURLAP FROM TOP ONE THIRD OF ROOT BALL.
6. LOOSEN ROOTBALL PRIOR TO PLANTING.

NOT TO SCALE

ARBORIE (GREEN) GUYING MATERIAL IS TO BE FLAT WOVEN POLYPROPYLENE MATERIAL.

2" WIDE, 900 LB. BREAK STRENGTH.

ARBORIE SHALL BE FASTENED TO TREE STAKES IN A MANNER WHICH PERMITS TREE MOVEMENT (2" SWAY) AND SUPPORTS THE TREE.

2" X 2" HARDWOOD STAKES DRIVEN FIRMLY A MINIMUM OF 18" INTO THE SUBGRADE PRIOR TO BAFFLING.

DO NOT DRIVE STAKE INTO ROOT BALL. SPACE STAKING EVENLY AROUND TREE.

3" DEEP MULCH.

PLANTING SOIL MIX AND LEAF COMPOST.

WATER & TAMP TO REMOVE AIR POOTS.

EXISTING SOIL SCARIFY PIT BOTTOM.

TREE PIT

NOTES:
1. STAKE TO MAIN BRANCHES AS NECESSARY FOR FIRM SUPPORT.

2. PLANT SO THAT TOP OF ROOT BALL IS EVEN WITH THE FINISHED GRADE.

3. GUY WIRE SHALL NOT TOUCH OR RUB ADJACENT TRUNKS OR BRANCHES.

4. REMOVE ALL CONTAINERS AND BASKETS FROM ROOT BALL.

5. REMOVE BURLAP FROM TOP ONE THIRD OF ROOT BALL.

6. LOOSEN ROOTBALL PRIOR TO PLANTING.

NOT TO SCALE

THE EXISTING PLANT MATERIAL ALONG THE SIDE LOT LINE TO REMAIN WHERE POSSIBLE.

8" HIGH SOLID WOODEN FENCE, THE EXTENT, LOCATION AND STYLE TO BE REVIEWED AND CONFIRMED AT TIME OF INSTALLATION.

3 FC

THE EXISTING PLANT MATERIAL ALONG THE SIDE LOT LINE TO REMAIN WHERE POSSIBLE.

8" HIGH SOLID WOODEN FENCE, THE EXTENT, LOCATION AND STYLE TO BE REVIEWED AND CONFIRMED AT TIME OF INSTALLATION.

3 VM

THE EXISTING PLANT MATERIAL ALONG THE SIDE LOT LINE TO REMAIN WHERE POSSIBLE.

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8" HIGH SOLID WOODEN FENCE, THE EXTENT, LOCATION AND STYLE TO BE REVIEWED AND CONFIRMED AT TIME OF INSTALLATION.

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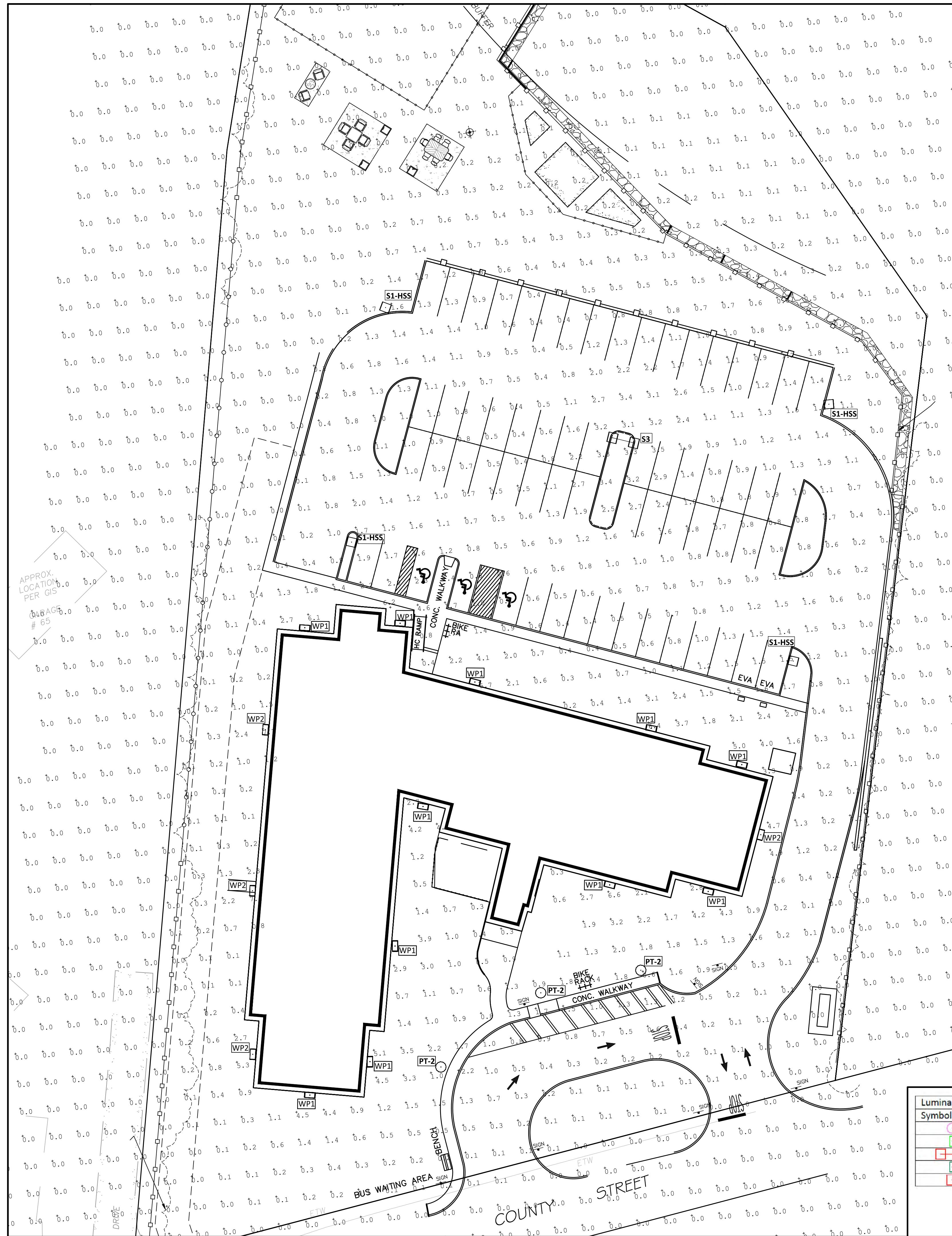
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Calculation Summary

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	Mounting Height
PT-2	N.A.	2800	28	0.900	NLS: BV-M-T5-16L-53-40K	9'	
WP1	N.A.	2561	20.7	0.900	LUMARK: AXCS2A	12'	
S3	N.A.	6551	52	0.900	LUMARK: PRV-C15-D-UNV-T2-BZ-HSS	20'	
WP2	N.A.	1806	13.5	0.900	LUMARK: AXCS1A	9'	
S1-HSS	N.A.	6437	52	0.900	LUMARK: PRV-C15-D-UNV-T4-BZ-HSS	20'	

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



WALL MOUNTED FIXTURE



PARKING LOT FIXTURE



FRONT ENTRANCE FIXTURE

LIGHTING PLAN
DWGDISC-L2
DWGDISC-L3



Services performed by
Signature Design
Architectural
73 Bishop Road, Sharon, MA 02067 781 806-5063

Sheet No.
L2
on 22

Date: 12/14/2020
Rev. #: 4
Drawing #: 4
Department/Drawer: LG
1st Edition: 12/14/2020

User and Interpretation of this Drawing