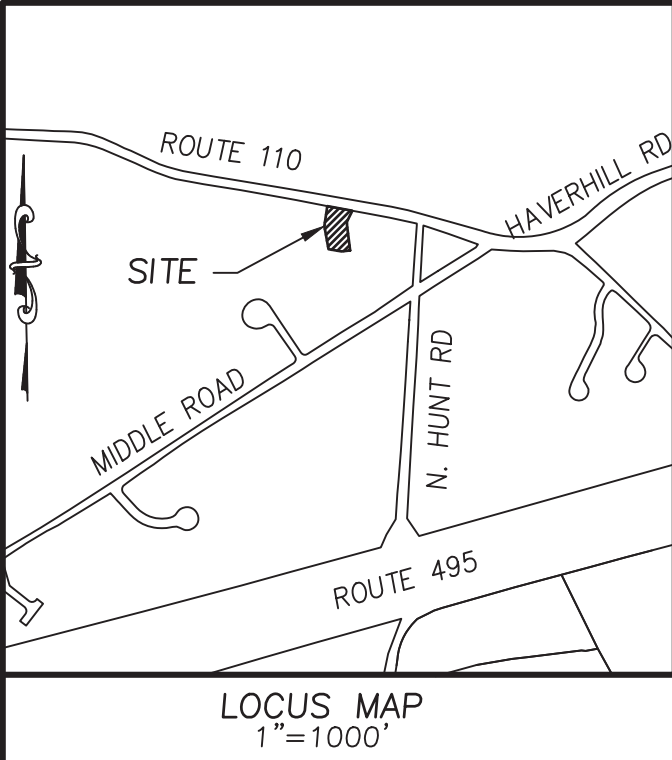




BASIS OF BEARINGS
MASSACHUSETTS STATE PLANE
COORDINATE SYSTEM
NAD-83

OWNER OF RECORD
80 HAVERHILL ROAD, LLC
BK. 41666 PG. 459

PLAN REFERENCES
PLAN BOOK 121 PLAN 12
1926 S.H.L.O.

SITE PLAN FOR 80 HAVERHILL ROAD IN AMESBURY, MA NOVEMBER 2024

CITY OF AMESBURY
OFFICE OF THE CITY OF THE CLERK

THIS IS TO CERTIFY THAT ON _____
I RECEIVED FROM THE AMESBURY PLANNING
BOARD CERTIFICATION OF ITS APPROVAL OF
THIS PLAN AND THAT DURING THE (20)
TWENTY DAYS NEXT FOLLOWING I HAVE
RECEIVED NO NOTICE OF ANY APPEAL FROM
SAID DECISION.

CLERK _____ DATE _____

FOR REGISTRY USE

AMESBURY PLANNING
BOARD APPROVAL

DATE _____

PLAN INDEX

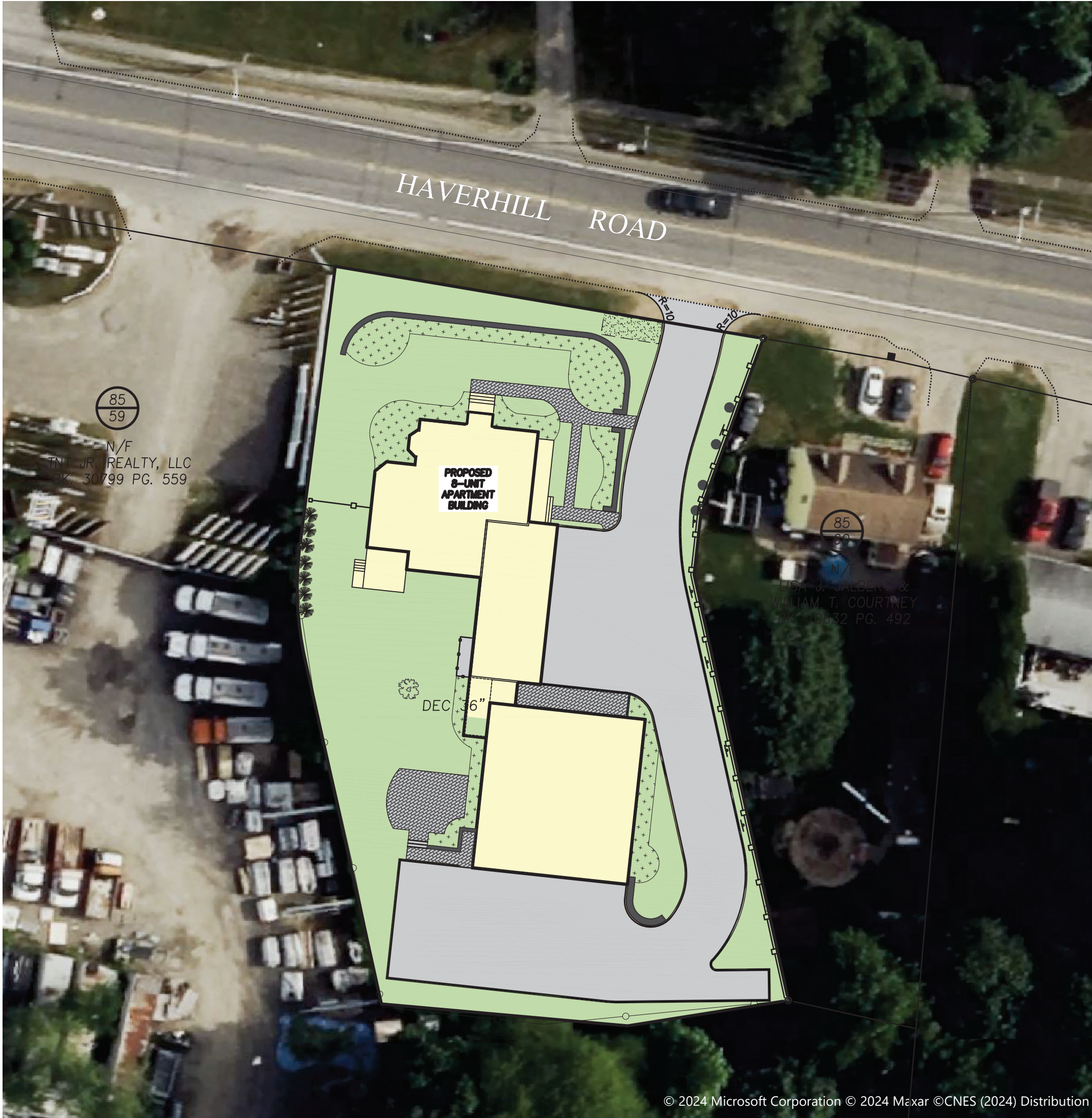
SHEET NO.	TITLE
C1	COVER SHEET
C2	GENERAL NOTES & LEGEND
C3	BOUNDARY PLAN
C4	EXISTING CONDITIONS
C5	SITE PLAN
C6	GRADING AND DRAINAGE PLAN
C7	UTILITIES PLAN
C8	EROSION AND SEDIMENTATION PLAN
C9-C11	CONSTRUCTION DETAILS

ZONING TABLE

ADDRESS - ASSESSORS MAP 85 LOT 59 ZONING DISTRICT R40			
	REQUIRED	EXISTING	PROPOSED
LOT AREA:	40,000 S.F.	27,332 S.F.	27,332 S.F.**
LOT FRONTAGE:	140 FT.	132.84 FT.	132.84 FT.**
FRONT SETBACK:	40 FT.	36.6 FT.	36.6 FT.**
SIDE SETBACK:	25 FT.	16.7 FT.	17.2 FT.**
REAR SETBACK:	50 FT.	79.1 FT.	42.6 FT.**
BLDG HEIGHT:	35 FT.	29.6*	29.6*
MAX. STORIES	2.5	2	4**
MAX. BLDG AREA:	15%	13.5%	20.5%**
MIN OPEN SPACE:	50%	61.5%	43.5%**

*THE VERTICAL DISTANCE FROM THE AVERAGE FINISH GRADE OF THE ADJACENT GROUND TO THE MEAN LEVEL OF THE HIGHEST GABLE OR SLOPE OF A HIP ROOF. (SEE ARCHITECTURAL PLANS FOR DETAILS)

**WAIVER REQUESTED

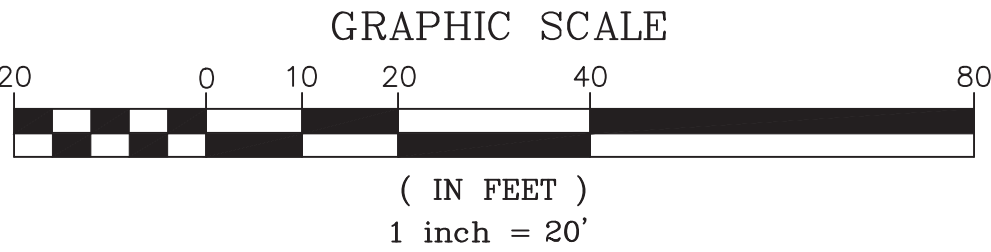


WAIVER REQUESTS:

THE FOLLOWING WAIVERS ARE REQUESTED FROM THE CITY OF AMESBURY'S ZONING REGULATIONS UNDER THE HISTORIC PRESERVATION SPECIAL PERMIT SECTION XI.J:

IN ORDER TO PERMIT CONVERSION OF EXISTING HISTORIC BUILDINGS OR STRUCTURES, THE BOARD MAY MODIFY THE STANDARDS IN TABLE OF DENSITY AND DIMENSIONAL REGULATIONS, WITH REGARDS TO MINIMUM LOT AREA, LOT FRONTAGE, FRONT, SIDE AND REAR SETBACKS TO ALLOW RESIDENTIAL USES IN AN EXISTING OR PROPOSED PRINCIPAL OR ACCESSORY STRUCTURE.

- SECTION VI DIMENSIONAL AND DENSITY REGULATIONS:
THE MINIMUM LOT AREA WITHIN THE R-40 DISTRICT IS 40,000 S.F., THE EXISTING LOT AREA IS 27,332 S.F.
- SECTION VI DIMENSIONAL AND DENSITY REGULATIONS:
THE MINIMUM LOT FRONTAGE WITHIN THE R-40 DISTRICT IS 140 FT., THE EXISTING LOT HAS 132.84 FT. OF FRONTAGE.
- SECTION VI DIMENSIONAL AND DENSITY REGULATIONS:
THE REQUIRED FRONT SETBACK WITHIN THE R-40 DISTRICT IS 40 FT., THE PROPOSED FRONT SETBACK IS 36.6 FT.
- SECTION VI DIMENSIONAL AND DENSITY REGULATIONS:
THE REQUIRED SIDE SETBACK WITHIN THE R-40 DISTRICT IS 25 FT., THE PROPOSED SIDE SETBACK IS 17.2 FT.
- SECTION VI DIMENSIONAL AND DENSITY REGULATIONS:
THE REQUIRED REAR SETBACK WITHIN THE R-40 DISTRICT IS 50 FT., THE PROPOSED REAR SETBACK IS 42.6 FT.
- SECTION VI DIMENSIONAL AND DENSITY REGULATIONS:
THE MAXIMUM BUILDING AREA WITHIN THE R-40 DISTRICT IS 15%, THE PROPOSED BUILDING AREA IS 20.5%.
- SECTION VI DIMENSIONAL AND DENSITY REGULATIONS:
THE MAXIMUM NUMBER OF STORIES WITHIN THE R-40 DISTRICT IS 2.5, THE PROPOSED BUILDING IS 4 STORIES (INCLUDING BASEMENT/GARAGE).
- SECTION VI DIMENSIONAL AND DENSITY REGULATIONS:
THE MINIMUM OPEN SPACE WITHIN THE R-40 DISTRICT IS 50%, THE PROPOSED OPEN SPACE IS 43.5%.
- SECTION VII OFF STREET PARKING AND LOADING REGULATIONS:
THE REQUIRED AISLE WIDTH BETWEEN PARKING SPACES FOR TWO WAY TRAFFIC IS 24'. ONE OF THE PROPOSED PARKING SPACES PROVIDES 20'.
- SECTION VII OFF STREET PARKING AND LOADING REGULATIONS:
ALL DRIVEWAYS IN "R" DISTRICTS SHALL BE PLACED A MINIMUM OF 5' FROM ANY PROPERTY LINE. THE PROPOSED DRIVEWAY IS 3.5' FROM THE PROPERTY LINE.
- WAIVER FROM SECTION 8.04A.10F OF THE AMESBURY SUBDIVISION RULES AND REGULATIONS REQUIRING THE USE OF RCP PIPE FOR THE DRAINAGE SYSTEM. HDPE PIPE IS PROPOSED.
- WAIVER FROM SECTION 8.04A.1 OF THE AMESBURY SUBDIVISION RULES AND REGULATIONS REQUIRING A MINIMUM OF 3 FEET OF COVER OVER DRAINAGE PIPES. THE DRAINAGE SYSTEM IS CONSTRICTED BY HIGH GROUNDWATER AND THEREFORE, LESS THAN 3' OF COVER IS PROPOSED AT CB1, CB2, CB3, AND CB4.



PREPARED FOR

80 HAVERHILL ROAD, LLC
80 HAVERHILL ROAD
AMESBURY, MA

NO.	DATE	DESCRIPTION	BY
3	1/21/25	RESPONSE TO PEER REVIEW	S.R.C.
2	12/23/24	EDITS FROM TRC MEETING	S.R.C.
1	12/3/24	EDITS FROM PRELIM. HEARING	S.R.C.



MILLENNIUM ENGINEERING, INC.
ENGINEERING AND LAND SURVEYING
62 ELM ST. SALISBURY, MA 01952 (978) 463-8980
13 HAMPTON RD. EXETER, NH 03833 (603) 778-0528

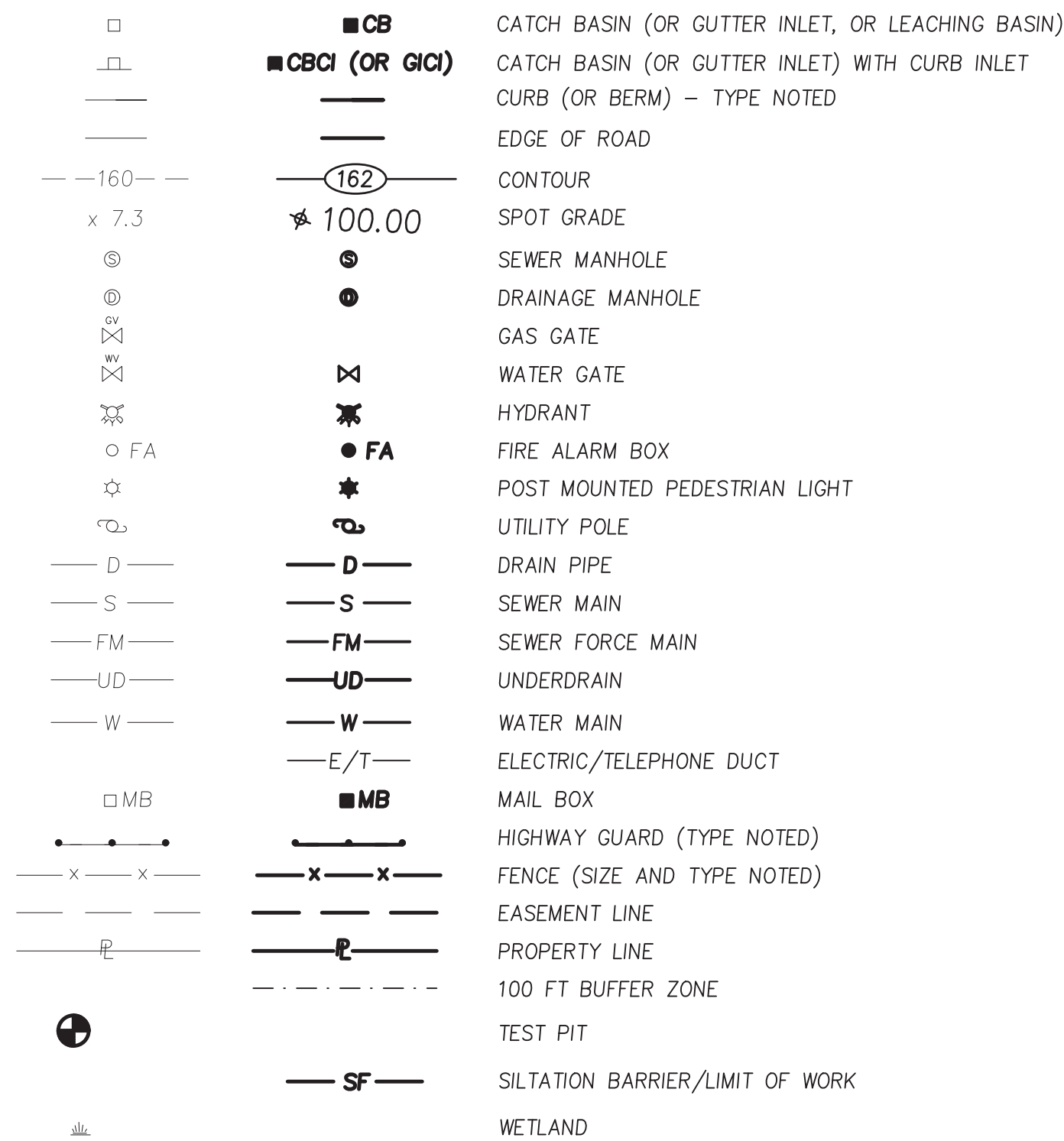
SCALE: 1"=20'	CALC. BY: S.R.C.	PROJECT: M234276
DATE: NOV. 8, 2024	CHKD. BY: E.W.B.	

SITE PLAN
IN
AMESBURY, MA
AT
80 HAVERHILL ROAD

**COVER
SHEET**

SHEET: C-1

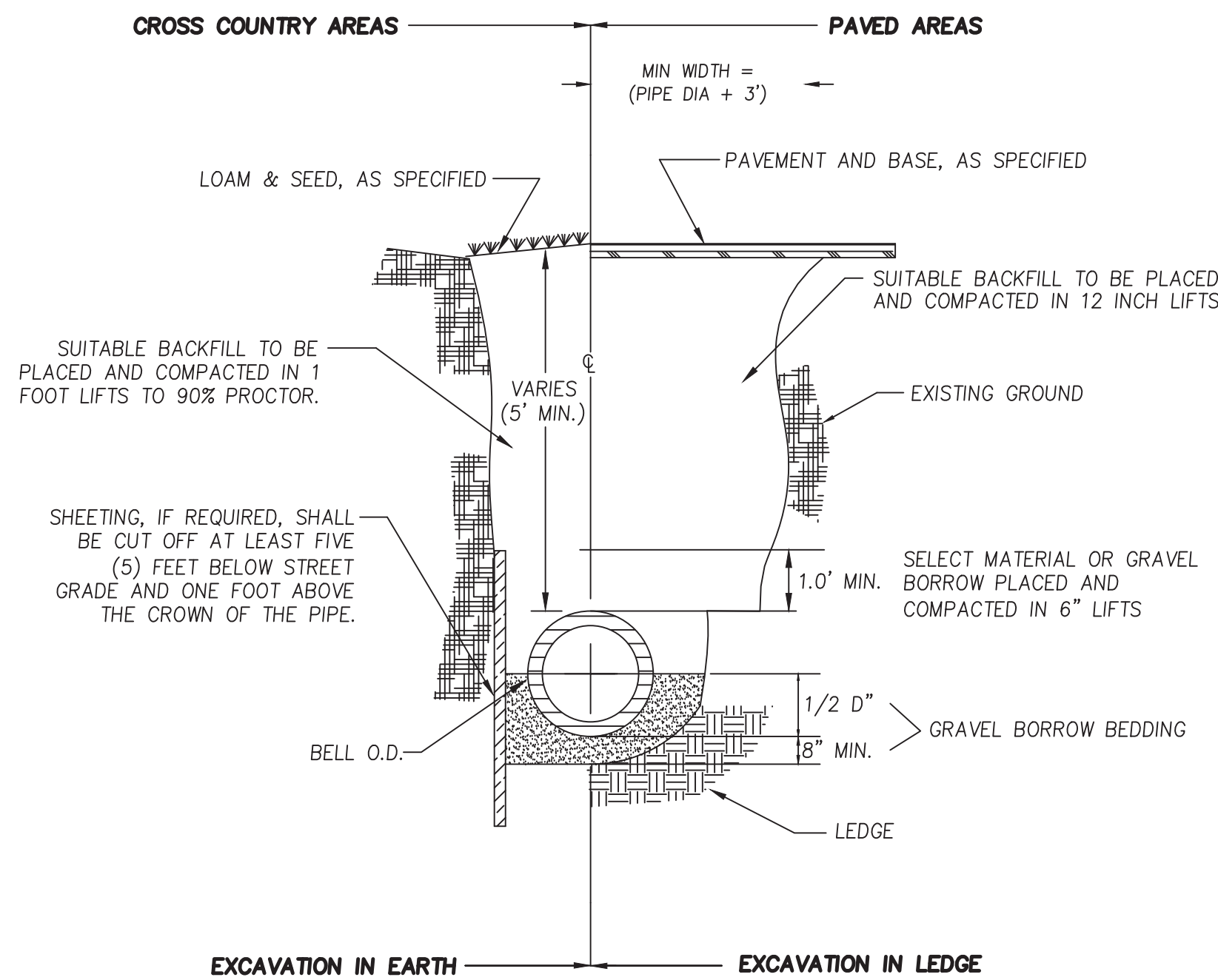
EXISTING	PROPOSED
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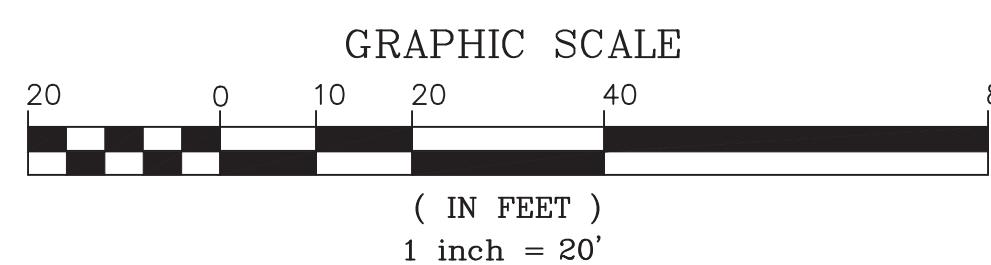
120

	C.B.	WETLAND DELINEATION FLAG
	S.B.	CONCRETE BOUND
	D.H.	STONE BOUND
	PK	DRILL HOLE
	I.P.	MASONRY NAIL
	I ROD	IRON PIPE
	FND.	IRON ROD
	N/FND.	FOUND
		NOT FOUND

ASSESSORS MAP AND PARCEL



N.T.S.



PREPARED FOR

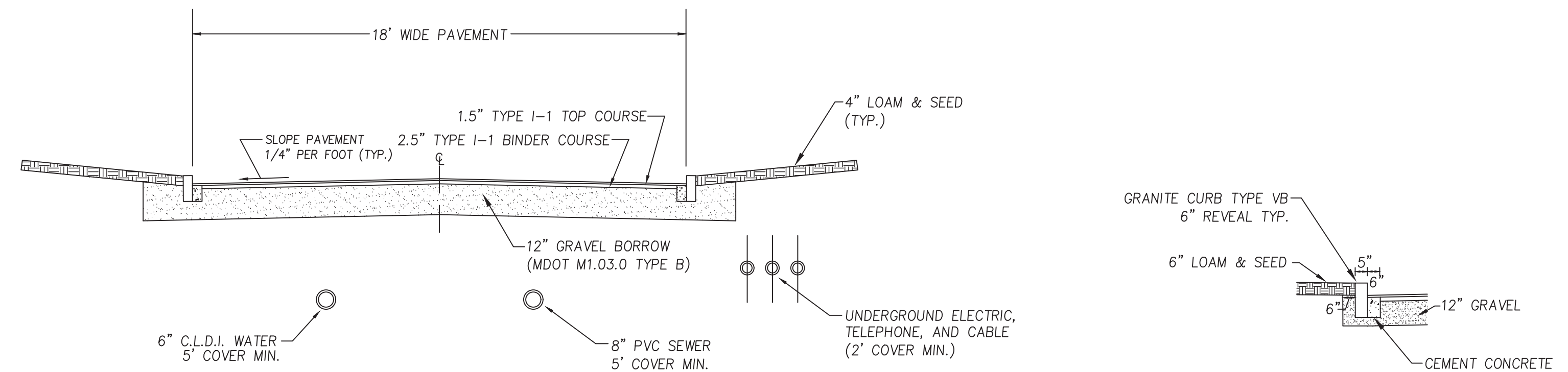
80 HAVERHILL ROAD, LLC
80 HAVERHILL ROAD
AMESBURY, MA

3. THE CONTRACTOR SHALL REPORT TO THE OWNER AND ENGINEER ANY SIGNIFICANT VARIATIONS IN EXISTING SITE CONDITIONS. ANY PROPOSED REVISIONS TO THE WORK SHALL NOT BE UNDERTAKEN UNTIL REVIEWED AND APPROVED BY THE OWNER AND REGULATING CITY AND/OR STATE AGENCIES.
4. THE CONTRACTOR SHALL INSTALL ALL SYSTEM COMPONENTS IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND ALL APPLICABLE ELECTRICAL, PLUMBING, AND SANITARY CODES.
5. ALL WORK SHALL CONFORM TO: THE CITY OF AMESBURY SUBDIVISION RULES AND REGULATIONS, THE CITY OF AMESBURY CONSTRUCTION STANDARDS AND DETAILS, THE WETLANDS PROTECTION ACT (310 CMR 10.00), THE ORDER OF CONDITIONS ISSUED BY THE AMESBURY CONSERVATION COMMISSION; NPDES CONSTRUCTION GENERAL PERMIT; AND THESE PLANS.
6. THE LOCATION OF ALL UTILITIES, AS SHOWN ON THESE PLANS, ARE BASED UPON PLANS AND RECORD INFORMATION PROVIDED BY MUNICIPAL AND PRIVATE UTILITY COMPANIES AND ARE CONSIDERED APPROXIMATE BOTH AS TO SIZE AND LOCATION. NO WARRANTY IS MADE AS TO THE ACCURACY OF THESE LOCATIONS OR THAT ALL UTILITIES ARE SHOWN. THE CONTRACTOR SHALL NOT RELY ON THESE PLANS FOR SUCH INFORMATION AND SHALL MAKE EXAMINATIONS IN THE FIELD BY VARIOUS AVAILABLE RECORDS, UTILITY COMPANIES AND INDIVIDUALS, AS TO THE LOCATION OF ALL SUBSURFACE STRUCTURES.
7. THE CONTRACTOR SHALL VERIFY THE LOCATION OF EXISTING UTILITIES BY CONTACTING "DIG-SAFE" AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION. DIG-SAFE TELEPHONE NUMBER: 1-888-344-7233.
8. THE CONTRACTOR SHALL FIELD CHECK ALL DIMENSIONS AND ELEVATIONS BEFORE PROCEEDING WITH THE NEW WORK. HE/SHE SHALL EXCAVATE TO VERIFY PERTINENT DRAINAGE INVERTS AND POTENTIAL UTILITY CONFLICTS. ANY DISCREPANCIES SHALL BE REPORTED TO THE OWNER IMMEDIATELY.
9. ALL EXISTING STRUCTURES AND SURFACES, UNLESS OTHERWISE SHOWN, SHALL BE COMPLETELY REMOVED FROM THE AREAS OF WORK. ALL TREES SCHEDULED FOR REMOVAL SHALL BE FIELD MARKED AND APPROVED FOR REMOVAL BY THE OWNER PRIOR TO CUTTING OPERATIONS.
10. THE CONTRACTOR IS RESPONSIBLE FOR INITIATING, MAINTAINING AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE SAFETY OF THE PUBLIC, EMPLOYEES, AND ALL OTHER PERSONS ASSOCIATED WITH THE PROJECT. HE/SHE SHALL COORDINATE AND BE RESPONSIBLE FOR ALL SAFETY SIGNING, BARRIERS AND TEMPORARY PAVEMENT MARKINGS NECESSARY TO PROVIDE A SMOOTH AND PROPER TRANSITION FOR TRAFFIC FLOW.

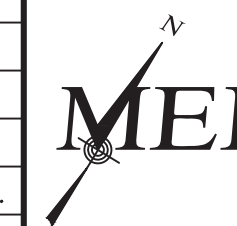
- 1.) ALL STUMPS, ROCKS AND LEDGE WITHIN THE LIMITS OF THE PROPOSED PAVED WAY SHALL BE REMOVED. ALL LEDGE SHALL BE REMOVED TO A MINIMUM DEPTH OF 2' BELOW FINISHED PAVEMENT GRADE.
- 2.) PAVEMENT SHALL NOT BE CONSTRUCTED DURING FREEZING WEATHER OR ON WET OR FROZEN SUBGRADE.
- 3.) GRADING AND ROLLING SHALL BE REQUIRED TO PROVIDE A SMOOTH, EVEN, AND UNIFORM COMPACTED BASE WHICH IS COMPACTED TO A MINIMUM DRY DENSITY OF 95 PERCENT.
- 4.) ALL UNSUITABLE MATERIAL SHALL BE EXCAVATED AND REPLACED WITH SATISFACTORY MATERIAL AND BROUGHT UP TO GRADE WITH GRAVEL BORROW CONTAINING NO STONES GREATER THAN 6" DIAMETER.
- 5.) AT TIMES DURING CONSTRUCTION, THE SUB-GRADE AND ALL DITCHES SHALL BE CONSTRUCTED AND MAINTAINED SO THAT THE TRACK WILL EFFECTIVELY BE DRAINED.
- 6.) THE CONTRACTOR SHALL REFER TO THE AMESBURY PLANNING BOARD RULES AND REGULATIONS GOVERNING THE SUBDIVISION OF LAND.

ALL MATERIALS OF THE ELEMENTS IN THE SITE PLAN MUST CONFORM TO THE FOLLOWING STANDARDS:

1. COMMONWEALTH OF MASSACHUSETTS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES (LATEST EDITION)
2. 521 CMR RULES AND REGULATIONS OF THE ARCHITECTURAL ACCESS BOARD (AAB) AND THE AMERICANS WITH DISABILITIES ACT (ADA)
3. SPECIFICATIONS BY THE CITY OF AMESBURY AS SET FORTH BY DESIGN STANDARDS IN THE PLANNING BOARD RULES AND REGULATIONS GOVERNING THE SUBDIVISION OF LAND, DATED NOVEMBER 1, 2013
4. UTILITIES INSTALLED PER CITY OF AMESBURY WATER DIVISION CONSTRUCTION DETAILS



N.T.S.



MILLENNIUM ENGINEERING, INC.
ENGINEERING AND LAND SURVEYING
62 ELM ST. SALISBURY, MA 01952 (978) 463-8980
13 HAMPTON RD. EXETER, NH 03833 (603) 778-0528

SCALE: 1"=20'	CALC. BY: S.R.C.	PROJECT: M234276
DATE: NOV. 8, 2024	CHKD. BY: E.W.B.	

N.T.S.

SITE PLAN
IN
AMESBURY, MA
AT
80 HAVERHILL ROAD

GENERAL NOTES & LEGEND

SHEET: C-2

FOR REGISTRY USE

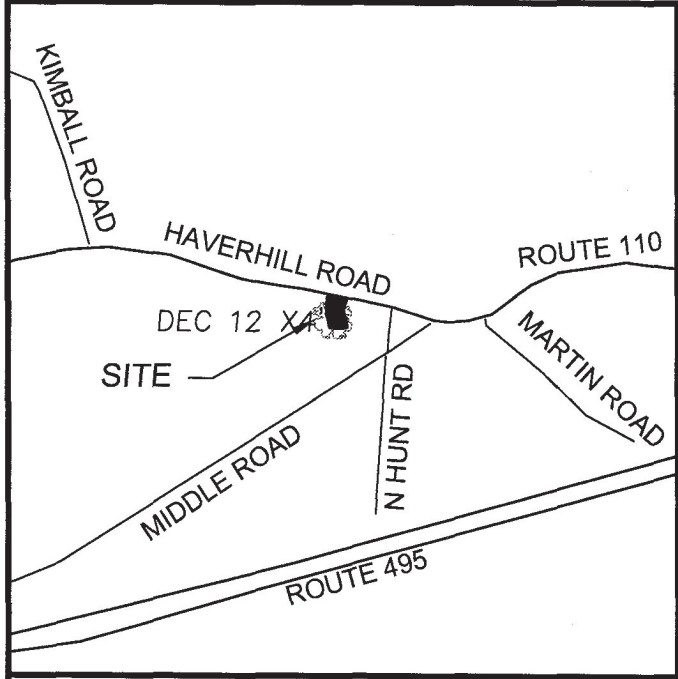
AMESBURY PLANNING
BOARD APPROVAL

DATE _____

CITY OF AMESBURY
OFFICE OF THE CITY OF THE CLERK

THIS IS TO CERTIFY THAT ON _____
I RECEIVED FROM THE AMESBURY PLANNING
BOARD CERTIFICATION OF ITS APPROVAL OF
THIS PLAN AND THAT DURING THE (20)
TWENTY DAYS NEXT FOLLOWING I HAVE
RECEIVED NO NOTICE OF ANY APPEAL FROM
SAID DECISION.

CLERK
DATE



LOCUS MAP
1" = 1,500'

KEY REFERENCE DEEDS

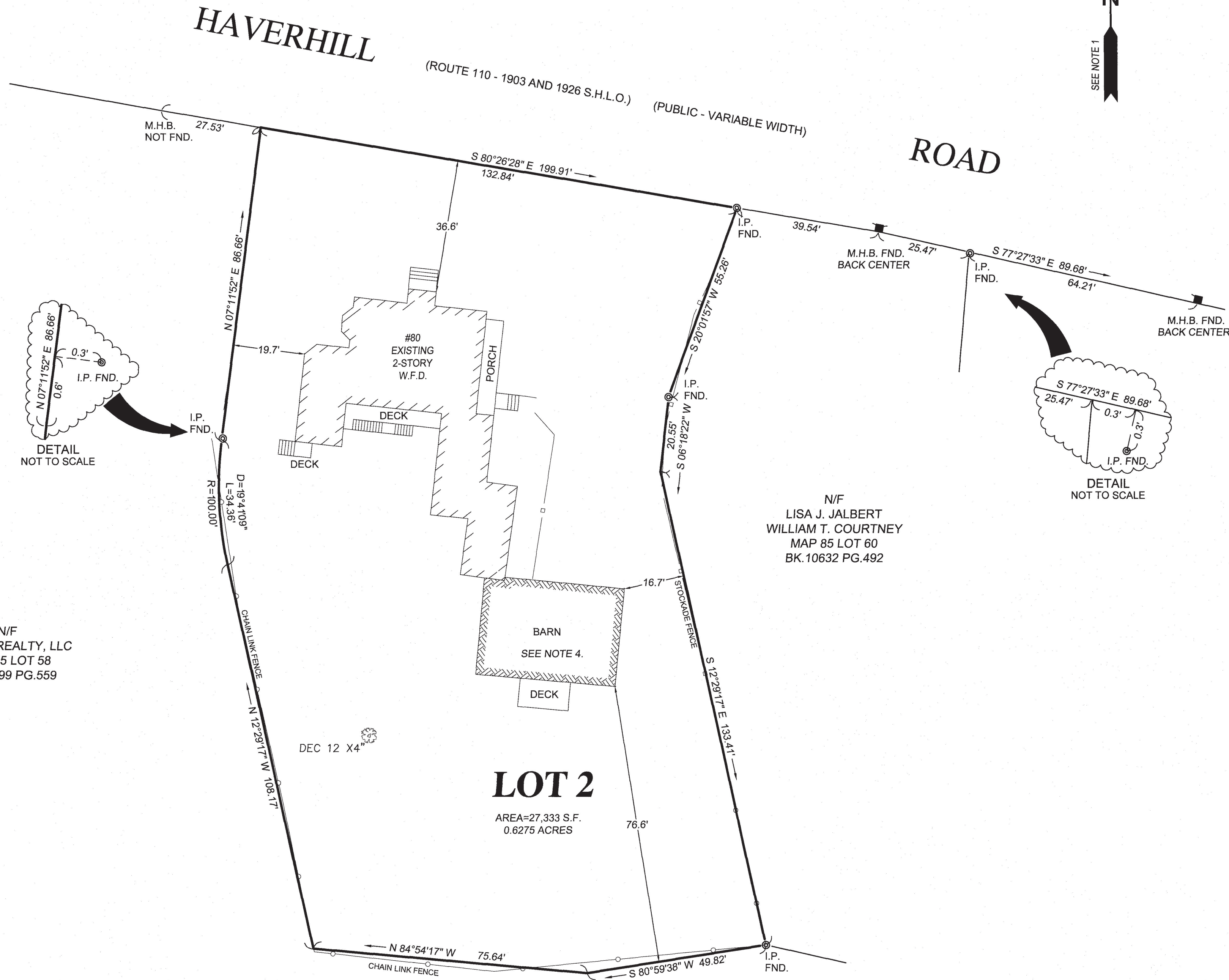
- BOOK 41666 PAGE 459 L.J.M. REAL ESTATE NOMINEE TRUST TO 80 HAVERHILL ROAD, LLC DATED 7/18/23 RECORDED SOUTH ESSEX REGISTRY OF DEEDS.

KEY REFERENCE PLANS

- PLAN OF LAND AS SURVEYED FOR W. E. BEGIN PREPARED BY TOWN PLANNING & ENGINEERING DATED OCT, 1971 RECORDED SOUTH ESSEX REGISTRY OF DEEDS PLAN BOOK 121 PLAN 12.
- PLAN OF LAND PREPARED FOR BALDINELLI'S BOWL-A-WAY, INC. PREPARED BY W. C. CAMMETT ENGINEERING, REVISED DATE AUGUST 19, 1992 RECORDED SOUTH ESSEX REGISTRY OF DEEDS PLAN BOOK 277 PLAN 37.
- 1903 STATE HIGHWAY LAYOUT.
- 1926 ALTERATION STATE HIGHWAY LAYOUT.

NOTES

- ORIENTATION IS TO MASS MAINLAND SPC NAD 1983 BASED ON MULTIPLE GNSS RTK OBSERVATIONS.
- STATUS OF RIGHT OF WAYS SHOWN AS PUBLIC OR PRIVATE ARE BASED ON REFERENCED DEEDS AND PLANS. NO WARRANTY IS EXPRESSED OR IMPLIED.
- THIS SURVEY IS NOT A CERTIFICATION TO OWNERSHIP OR TITLE OF LANDS SHOWN. OWNERSHIP AND ENCUMBRANCES ARE MATTERS OF TITLE EXAMINATION NOT OF A BOUNDARY SURVEY. THE INTENT OF THIS PLAN IS TO ESTABLISH THE BOUNDARY LINES OF DEEDS REFERENCED HEREON. OWNERSHIP OF ADJOINING PROPERTIES IS ACCORDING TO ASSESSOR'S RECORDS. THIS PLAN MAY OR MAY NOT INDICATE ALL ENCUMBRANCES WHETHER EXPRESSED, IMPLIED OR PRESCRIPTIVE.
- THE BARN AS SHOWN WAS IN PLACE AT DATE OF THE SITE DETAILS SURVEY. IT HAS SINCE BEEN RAZED.



N/F
TNT, JR. REALTY, LLC
MAP 85 LOT 58
BK.30799 PG.559

N/F
LISA J. JALBERT
WILLIAM T. COURTNEY
MAP 85 LOT 60
BK.10632 PG.492

RECORD OWNER

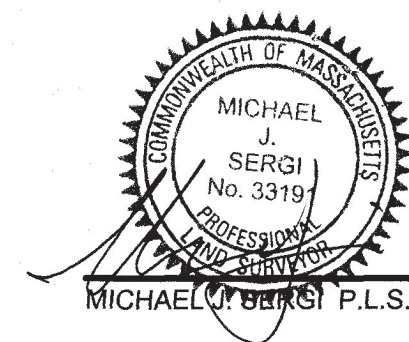
80 HAVERHILL ROAD, LLC

ASSESSOR REFERENCE

AMESBURY ASSESSOR'S MAP 85 LOT 59.

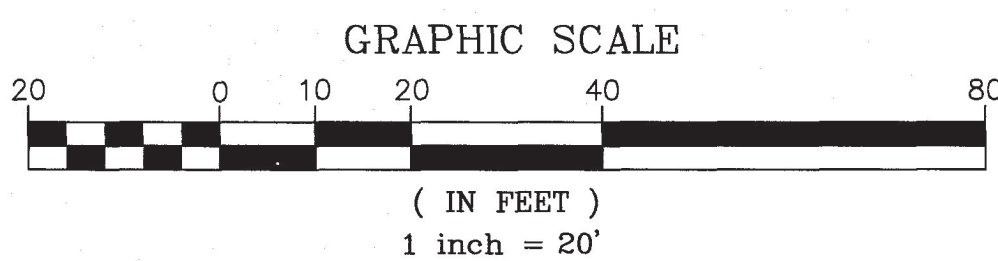
I CERTIFY THAT THE PROPERTY LINES SHOWN ARE THE LINES DIVIDING EXISTING OWNERSHIPS, AND THE LINES OF STREETS AND WAYS SHOWN ARE THOSE OF PUBLIC OR PRIVATE STREETS OR WAYS ALREADY ESTABLISHED, AND NO NEW LINES FOR DIVISION OF EXISTING OWNERSHIPS OR FOR NEW WAYS ARE SHOWN.

CHAPTER 41 SECTION 81X



10/28/24
DATE

THE CERTIFICATION SHOWN ABOVE IS INTENDED TO MEET REGISTRATION REQUIREMENTS AND IS NOT A CERTIFICATION TO TITLE OR OWNERSHIP OF PROPERTY SHOWN. OWNERSHIP OF ADJOINING PROPERTIES ARE ACCORDING TO ASSESSORS RECORDS.



PREPARED FOR

80 HAVERHILL ROAD, LLC
80 HAVERHILL ROAD
AMESBURY, MA



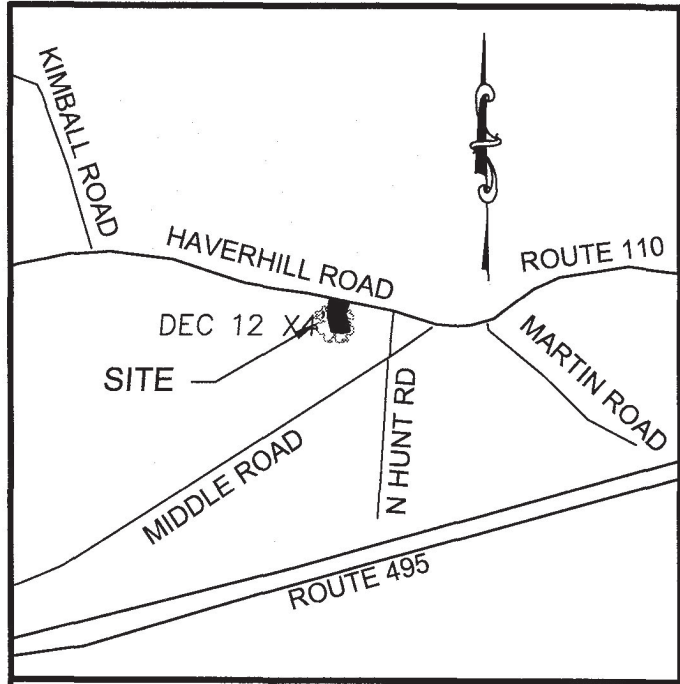
MILLENNIUM ENGINEERING, INC.
ENGINEERING AND LAND SURVEYING
62 ELM ST. SALISBURY, MA 01952 (978) 463-8880
13 HAMPTON RD. EXETER, NH 03833 (603) 778-0528

SCALE: 1"=20'
DATE: OCT. 28, 2024
CALC. BY: P.D.B.
CHKD. BY: M.J.S.
PROJECT: M234276

SITE PLAN
IN
AMESBURY, MA
AT
80 HAVERHILL ROAD

BOUNDARY
PLAN

SHEET: C-3



LOCUS MAP
1"=1,500'



BASIS OF BEARINGS

MASSACHUSETTS STATE PLANE
COORDINATE SYSTEM
NAD-83

OWNER OF RECORD

80 HAVERHILL ROAD, LLC
BK. 41666 PG. 459

PLAN REFERENCES

PLAN BOOK 121 PLAN 12
1926 S.H.L.O.



NOTES

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4. THE BARN AS SHOWN WAS IN PLACE AT DATE OF THE SITE DETAILS SURVEY. IT HAS SINCE BEEN RAZED.

UTILITY NOTES

1. THE LOCATION OF ALL UNDERGROUND UTILITIES SHOWN HEREON ARE APPROXIMATE AND ARE BASED ON A COMBINATION OF READILY OBSERVABLE FIELD LOCATIONS AND COMPILED INFORMATION FROM PLANS SUPPLIED BY VARIOUS UTILITY COMPANIES. THE CLIENT AND GOVERNMENT AGENCIES. THERE IS NO GUARANTEE THAT ALL UTILITIES ARE SHOWN. IN ACCORDANCE WITH RSA 374 NOTIFY DIG-SAFE 811 BEFORE ANY EXCAVATION.

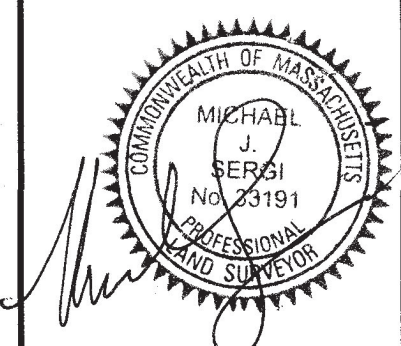
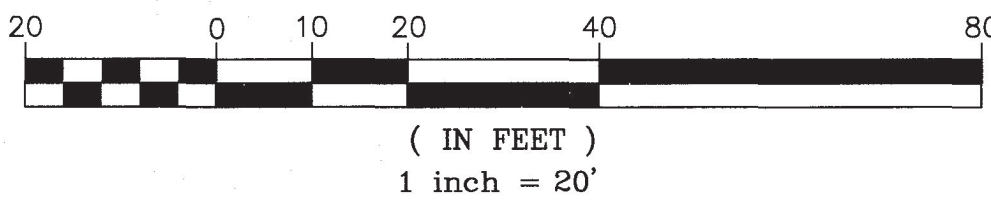
LEGEND

S.H.L.O.	STATE HIGHWAY LAYOUT
—120—	EXISTING ELEVATION CONTOUR
□ UPOLE	UTILITY POLE
—OHW—	OVERHEAD WIRE
⊙ SMH	SEWER MANHOLE
—W—	WATER
—S—	SEWER
—G—	GAS
N/F	NOW OR FORMERLY
⊙ 00	ASSESSORS MAP# PARCEL#

ZONING TABLE

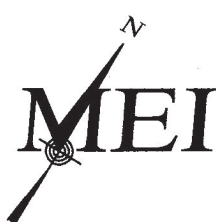
ADDRESS - ASSESSORS MAP 85 LOT 59 ZONING DISTRICT R40		
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LOT AREA:	40,000 S.F.	27,332 S.F.
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MAX. STORIES	2.5	2
MAX. BLDG AREA:	15%	13.5%
MIN OPEN SPACE:	50%	61.5%

GRAPHIC SCALE



PREPARED FOR

80 HAVERHILL ROAD, LLC
80 HAVERHILL ROAD
AMESBURY, MA



MILLENNIUM ENGINEERING, INC.
ENGINEERING AND LAND SURVEYING
62 ELM ST. SALISBURY, MA 01952 (978) 463-8980
13 HAMPTON RD. EXETER, NH 03833 (603) 778-0528

SITE PLAN

IN
AMESBURY, MA

AT
80 HAVERHILL ROAD

EXISTING
CONDITIONS

SHEET: C-4

85
59
N/F
TNT JR. REALTY, LLC
BK. 30799 PG. 559

85
60
N/F
LISA J. JALBERT &
WILLIAM T. COURTNEY
BK. 10632 PG. 492

NO.	DATE	DESCRIPTION	BY

SCALE: 1"=20'	CALC. BY: P.D.B.	PROJECT: M234276
DATE: OCT. 28, 2024	CHKD. BY: M.J.S.	

PARKING REQUIREMENTS

FOR DWELLING OR APARTMENT HOUSE USE, 1.5 SPACES PER DWELLING OR APARTMENT UNIT ARE REQUIRED.
(SECTION VII. TABLE OF OFF-STREET PARKING REGULATIONS)

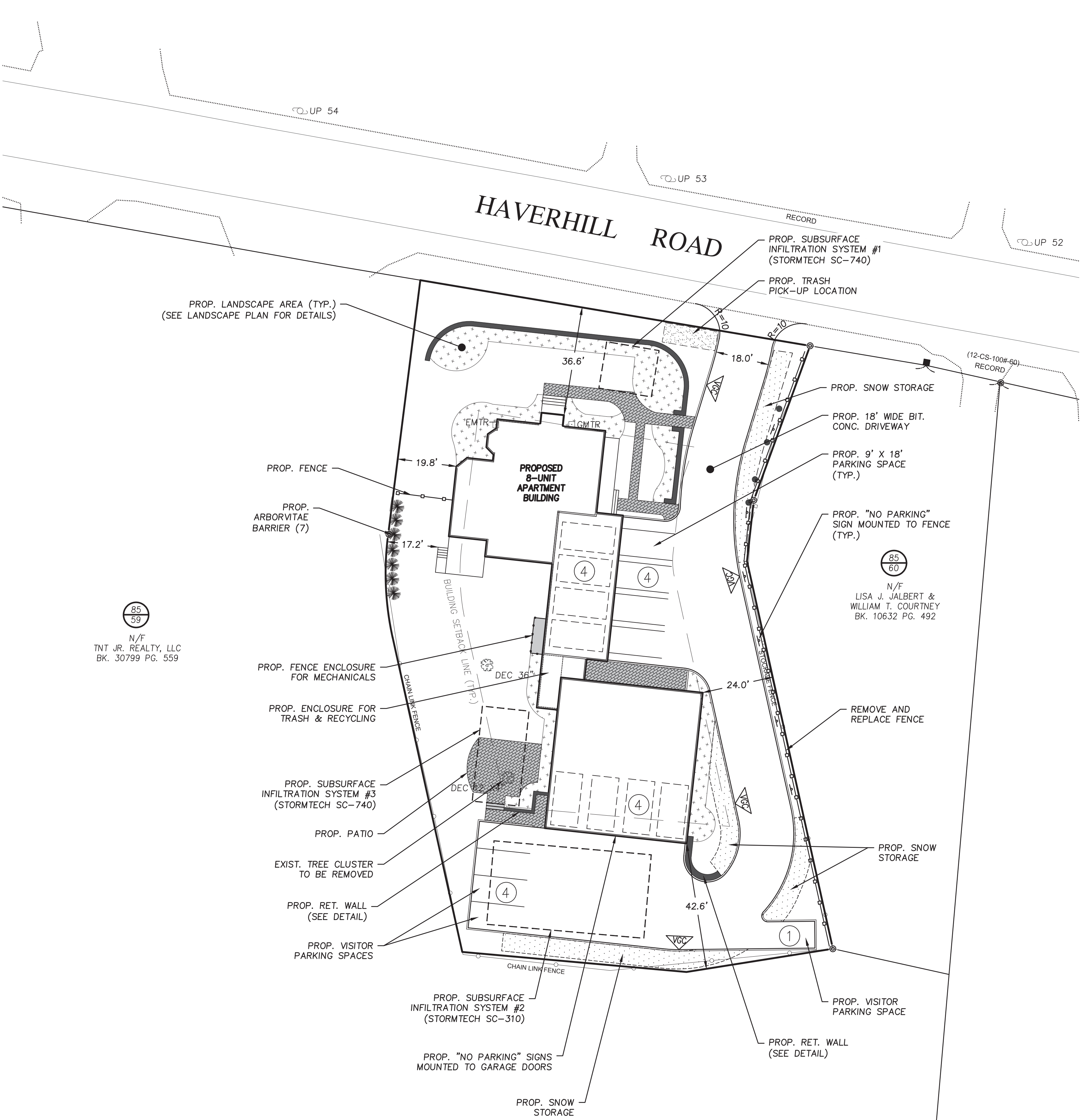
TOTAL NUMBER OF UNITS=8

8 UNITS X 1.5 PARKING SPACES PER UNIT = 12 SPACES REQUIRED

TOTAL NUMBER OF PARKING SPACES PROVIDED = 17 SPACES

NOTES:

- 1) ALL PROPOSED WALKWAY AND PATIO SURFACES SHALL BE CONSTRUCTED OF PERVIOUS MATERIAL.



FOR REGISTRY USE

AMESBURY PLANNING BOARD APPROVAL

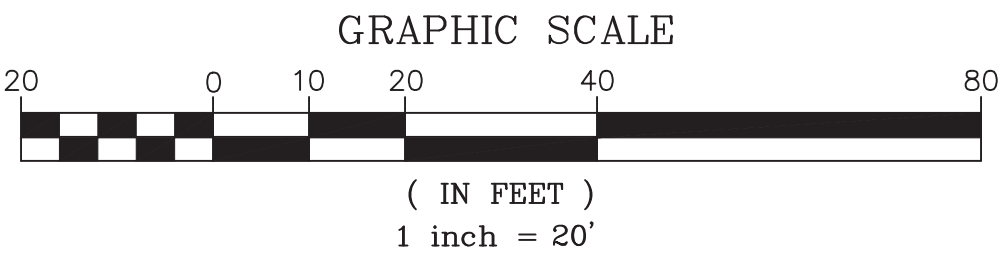
DATE

CITY OF AMESBURY
OFFICE OF THE CITY OF THE CLERK

THIS IS TO CERTIFY THAT ON _____
I RECEIVED FROM THE AMESBURY PLANNING BOARD CERTIFICATION OF ITS APPROVAL OF THIS PLAN AND THAT DURING THE (20) TWENTY DAYS NEXT FOLLOWING I HAVE RECEIVED NO NOTICE OF ANY APPEAL FROM SAID DECISION.

CLERK

DATE



PREPARED FOR
80 HAVERHILL ROAD, LLC
80 HAVERHILL ROAD
AMESBURY, MA

NO.	DATE	DESCRIPTION	BY
3	1/21/25	RESPONSE TO PEER REVIEW	S.R.C.
2	12/23/24	EDITS FROM TRC MEETING	S.R.C.
1	12/3/24	REVISIONS FROM PRELIM. HEARING	S.R.C.



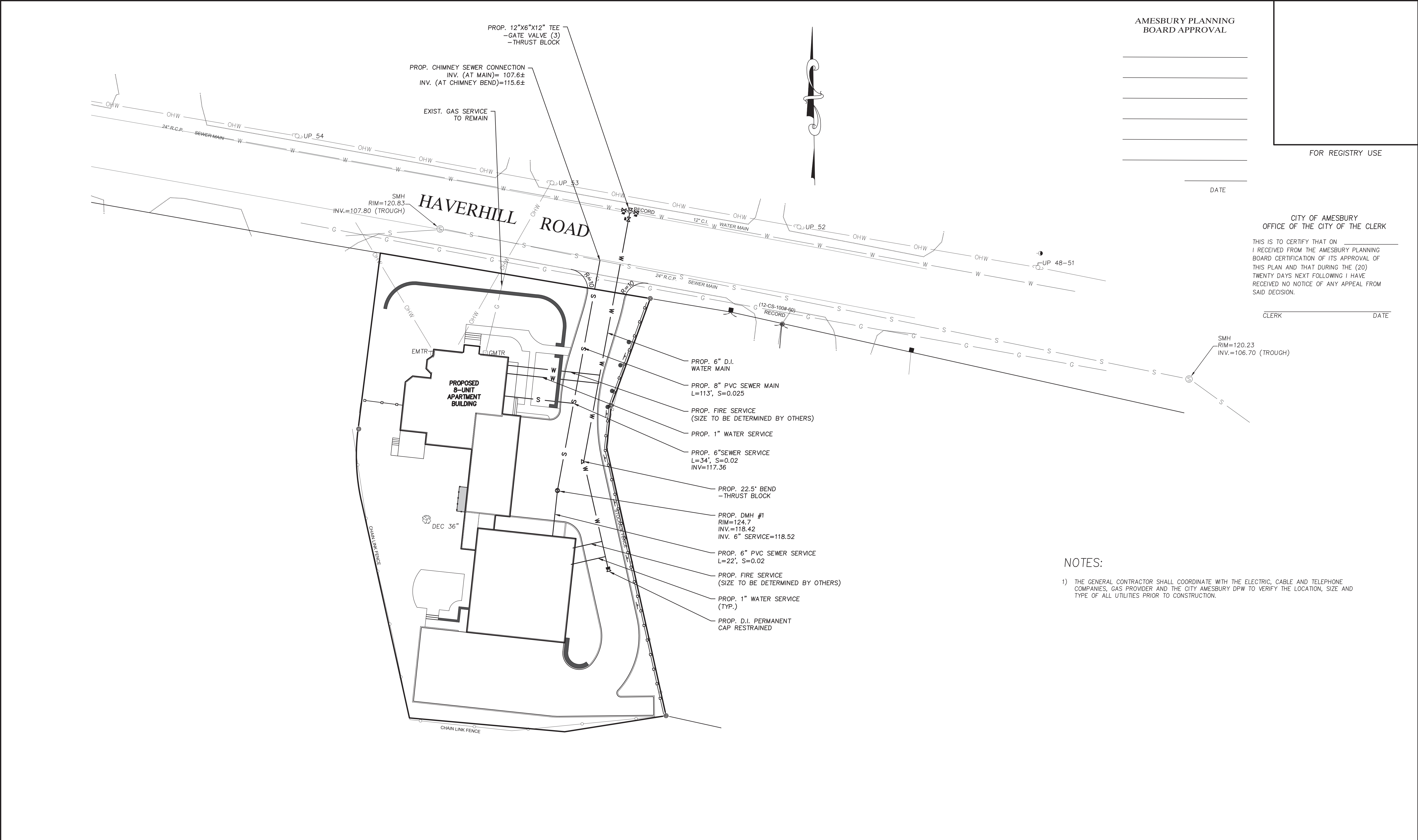
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DATE: NOV. 8, 2024	CHKD. BY: E.W.B.	

SITE PLAN
IN
AMESBURY, MA
AT
80 HAVERHILL ROAD

SITE PLAN

SHEET: C-5



AMESBURY PLANNING
BOARD APPROVAL

FOR REGISTRY USE

DATE

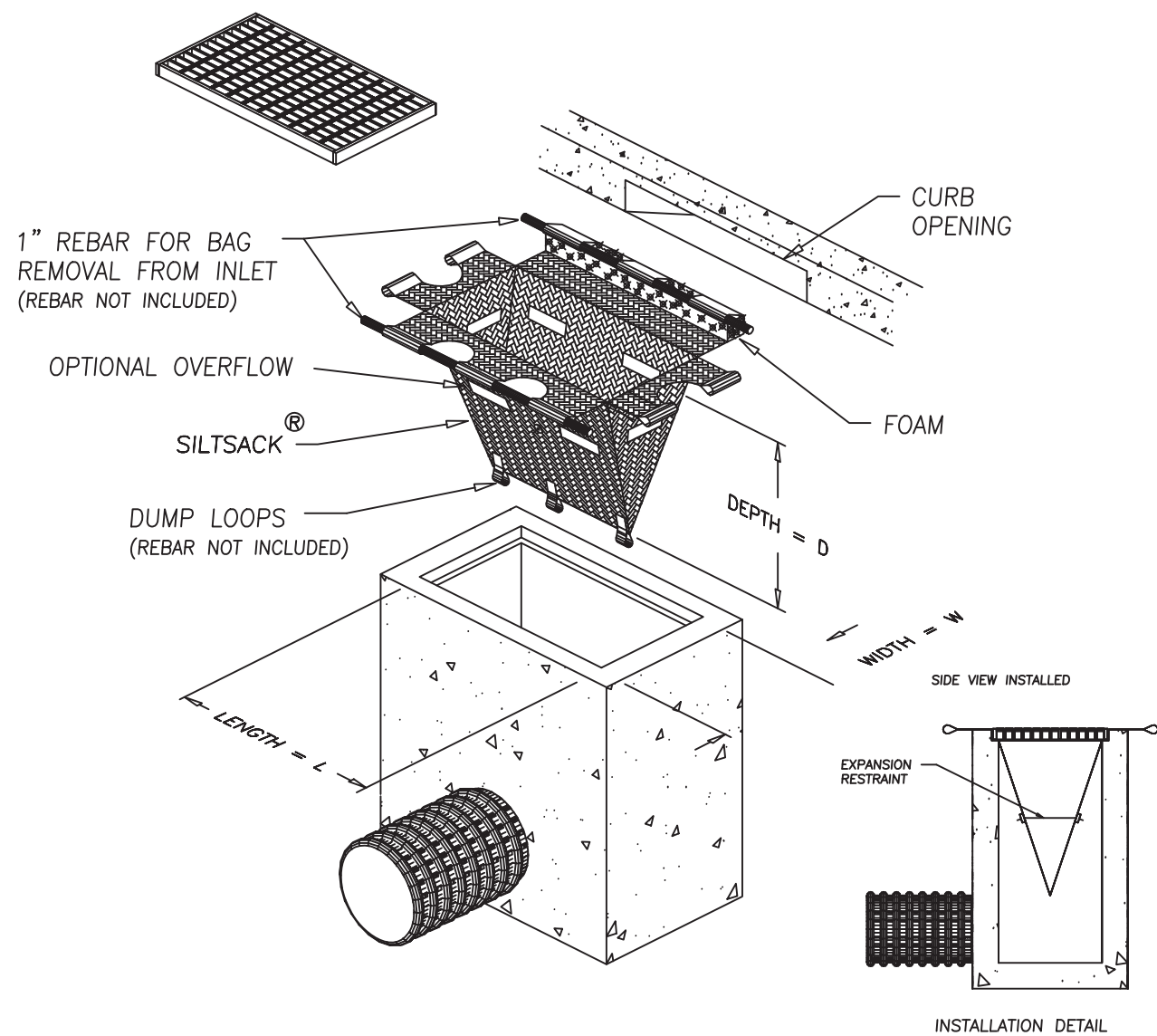
CITY OF AMESBURY
OFFICE OF THE CITY OF THE CLERK

THIS IS TO CERTIFY THAT ON _____
I RECEIVED FROM THE AMESBURY PLANNING
BOARD CERTIFICATION OF ITS APPROVAL OF
THIS PLAN AND THAT DURING THE (20)
TWENTY DAYS NEXT FOLLOWING I HAVE
RECEIVED NO NOTICE OF ANY APPEAL FROM
SAID DECISION.

CLERK _____ DATE _____

NOTES:

- 1) THE GENERAL CONTRACTOR SHALL COORDINATE WITH THE ELECTRIC, CABLE AND TELEPHONE COMPANIES, GAS PROVIDER AND THE CITY AMESBURY DPW TO VERIFY THE LOCATION, SIZE AND TYPE OF ALL UTILITIES PRIOR TO CONSTRUCTION.



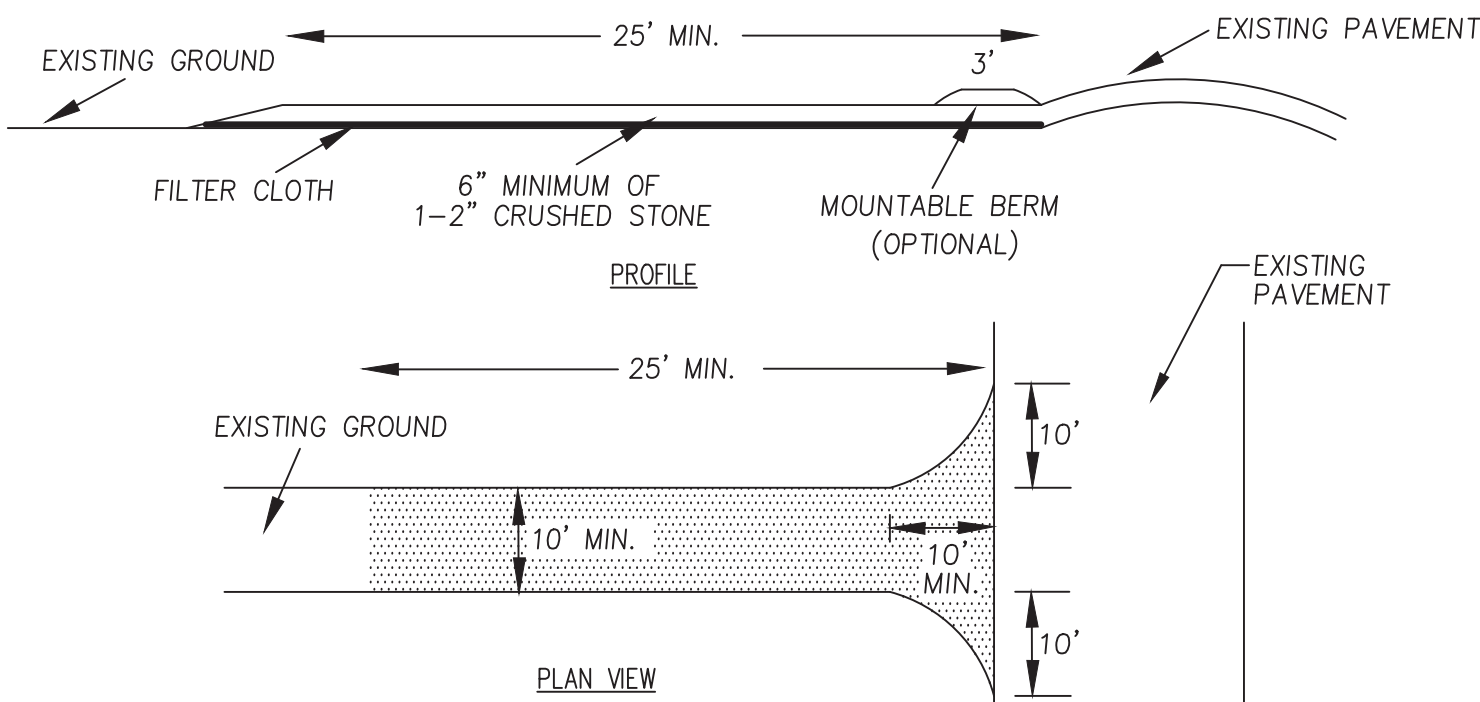
NOTES

1. TO INSTALL SILTSACK IN THE CATCH BASIN, REMOVE THE GRATE AND PLACE THE SACK IN THE OPENING. HOLD APPROXIMATELY SIX INCHES OF THE SACK OUTSIDE THE FRAME. THIS IS THE AREA OF THE LIFTING STRAPS. REPLACE THE GRATE TO HOLD THE SACK IN PLACE.
2. WHEN THE RESTRAINT CORD IS NO LONGER VISIBLE, SILTSACK IS FULL AND SHOULD BE EMPTIED.
3. TO REMOVE SILTSACK, TAKE TWO PIECES OF 1" DIAMETER REBAR AND PLACE THROUGH THE LIFTING LOOPS ON EACH SIDE OF THE SACK TO FACILITATE THE LIFTING OF SILTSACK.
4. TO EMPTY SILTSACK, PLACE UNIT WHERE THE CONTENTS WILL BE COLLECTED. PLACE THE REBAR THROUGH THE LIFT STRAPS (CONNECTED TO THE BOTTOM OF THE SACK) AND LIFT. THIS WILL LIFT SILTSACK FROM THE BOTTOM AND EMPTY THE CONTENTS. CLEAN OUT AND RINSE. RETURN SILTSACK TO ITS ORIGINAL SHAPE AND PLACE BACK IN THE BASIN.
5. SILTSACK IS REUSABLE. ONCE THE CONSTRUCTION CYCLE IS COMPLETE, REMOVE SILTSACK FROM THE BASIN AND CLEAN. SILTSACK SHOULD BE STORED OUT OF SUNLIGHT UNTIL NEXT USE.

SILT SACK

DETAIL

N.T.S.



NOTES

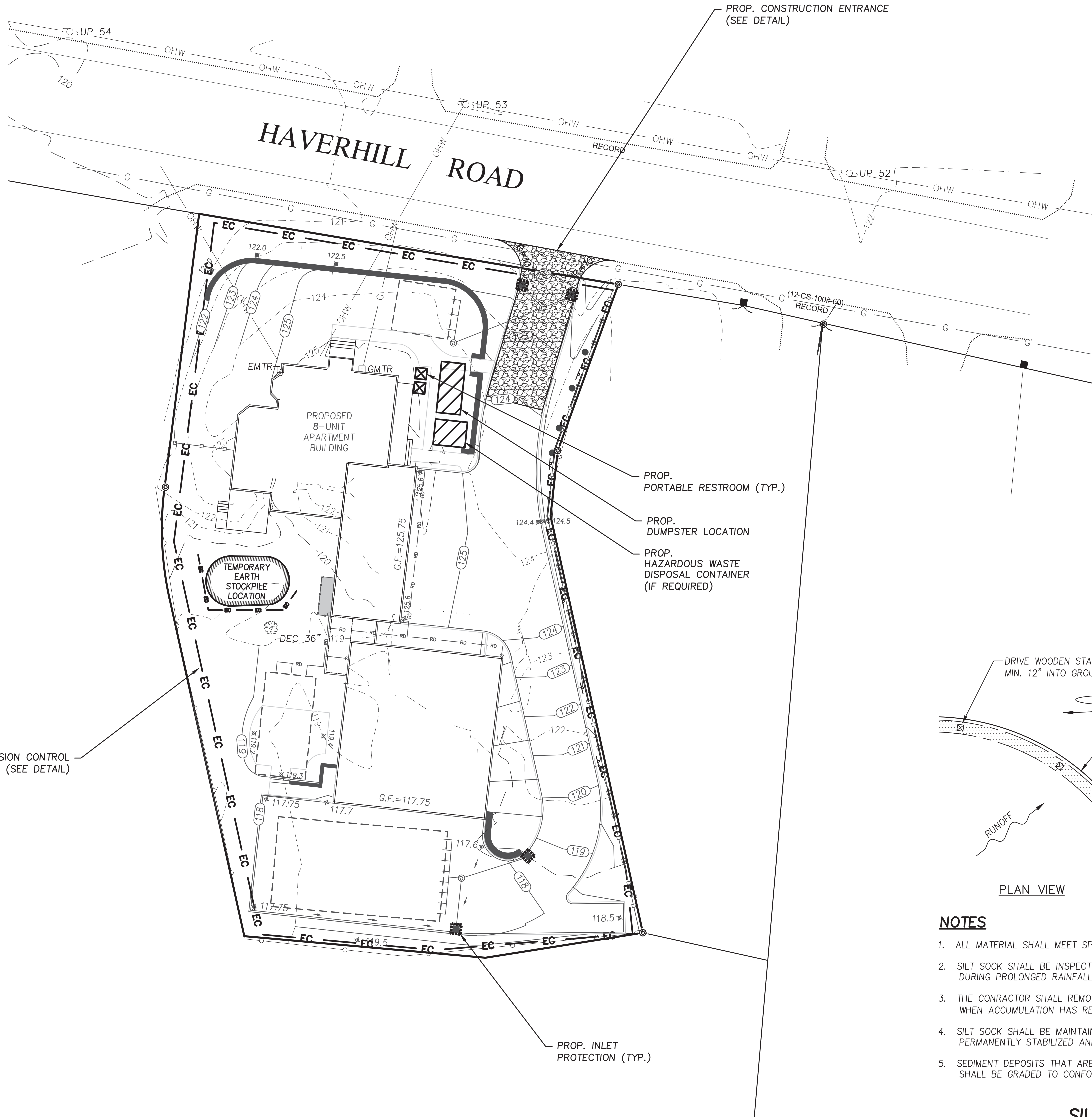
1. STONE SHALL BE 1-1/2"-2" STONE, RECLAIMED STONE, OR RECYCLED CONCRETE EQUIVALENT.
2. THE LENGTH OF THE STABILIZED ENTRANCE SHALL NOT BE LESS THAN 25'.
3. THE THICKNESS OF THE STONE FOR THE STABILIZED ENTRANCE SHALL NOT BE LESS THAN 6".
4. GEOTEXTILE FILTER CLOTH SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING THE STONE.
5. ALL SURFACE WATER THAT IS FLOWING TO OR DIVERTED TOWARD THE CONSTRUCTION ENTRANCE SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A BERM WITH 5:1 SLOPES THAT CAN BE CROSSED BY VEHICLES MAY BE SUBSTITUTED FOR THE PIPE.
6. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL 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 AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, WASHED, OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED PROMPTLY.
7. WHEELS SHALL BE CLEANED TO REMOVE MUD PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.

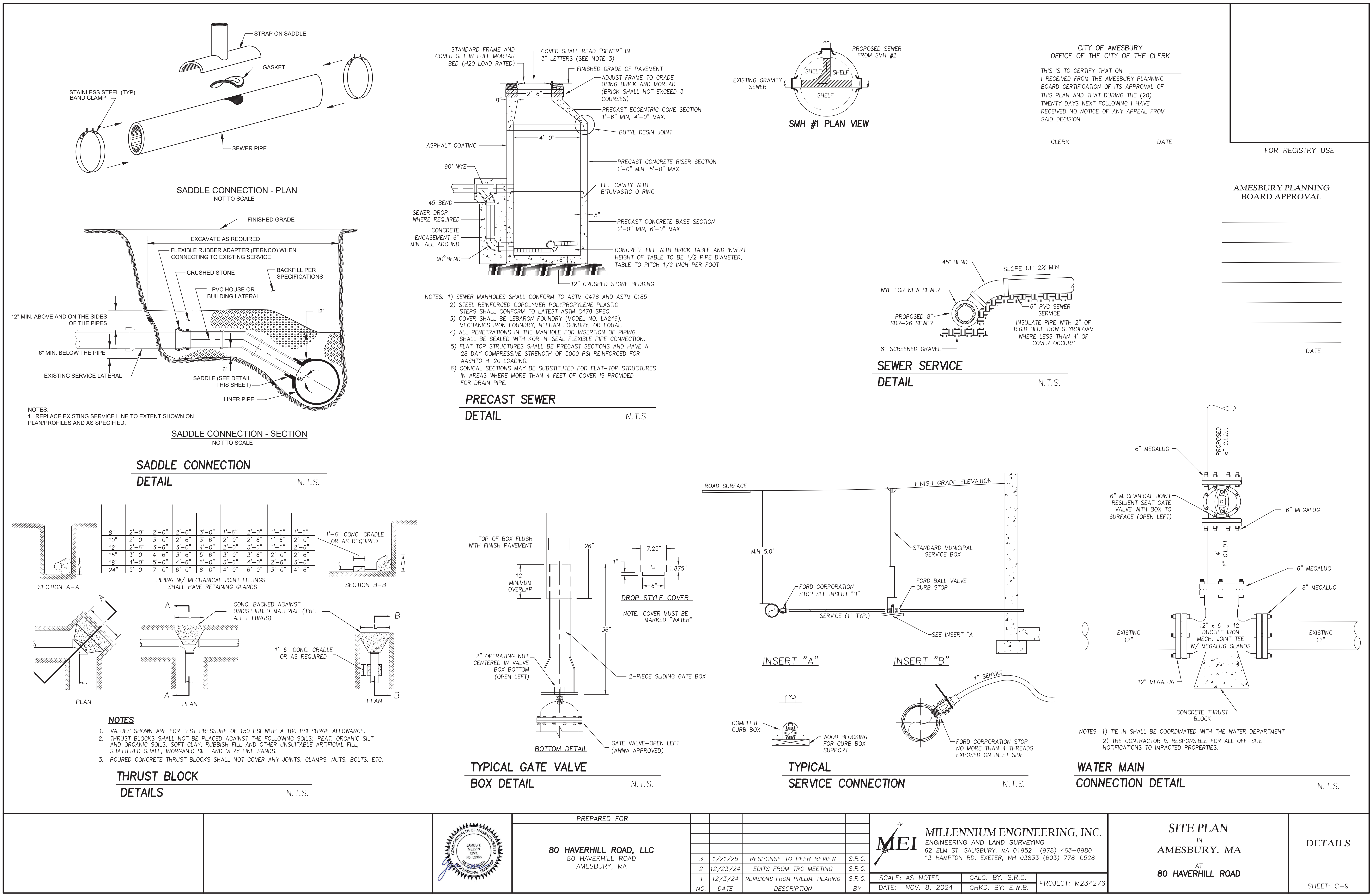
STABILIZED CONSTRUCTION

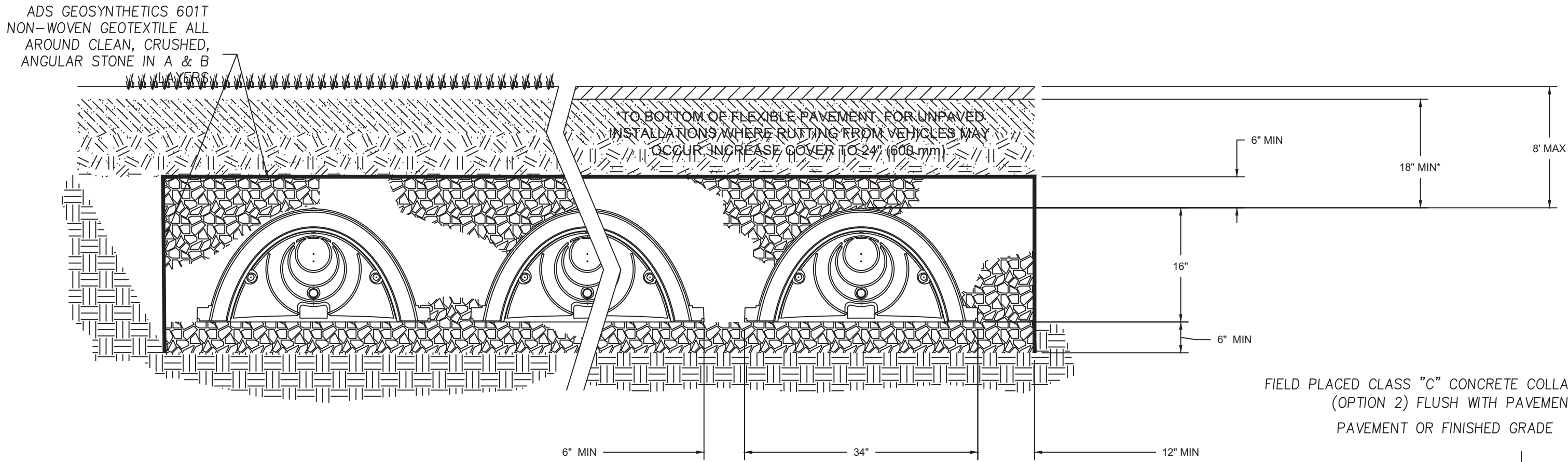
ENTRANCE

N.T.S.

PROP. EROSION CONTROL
(SEE DETAIL)



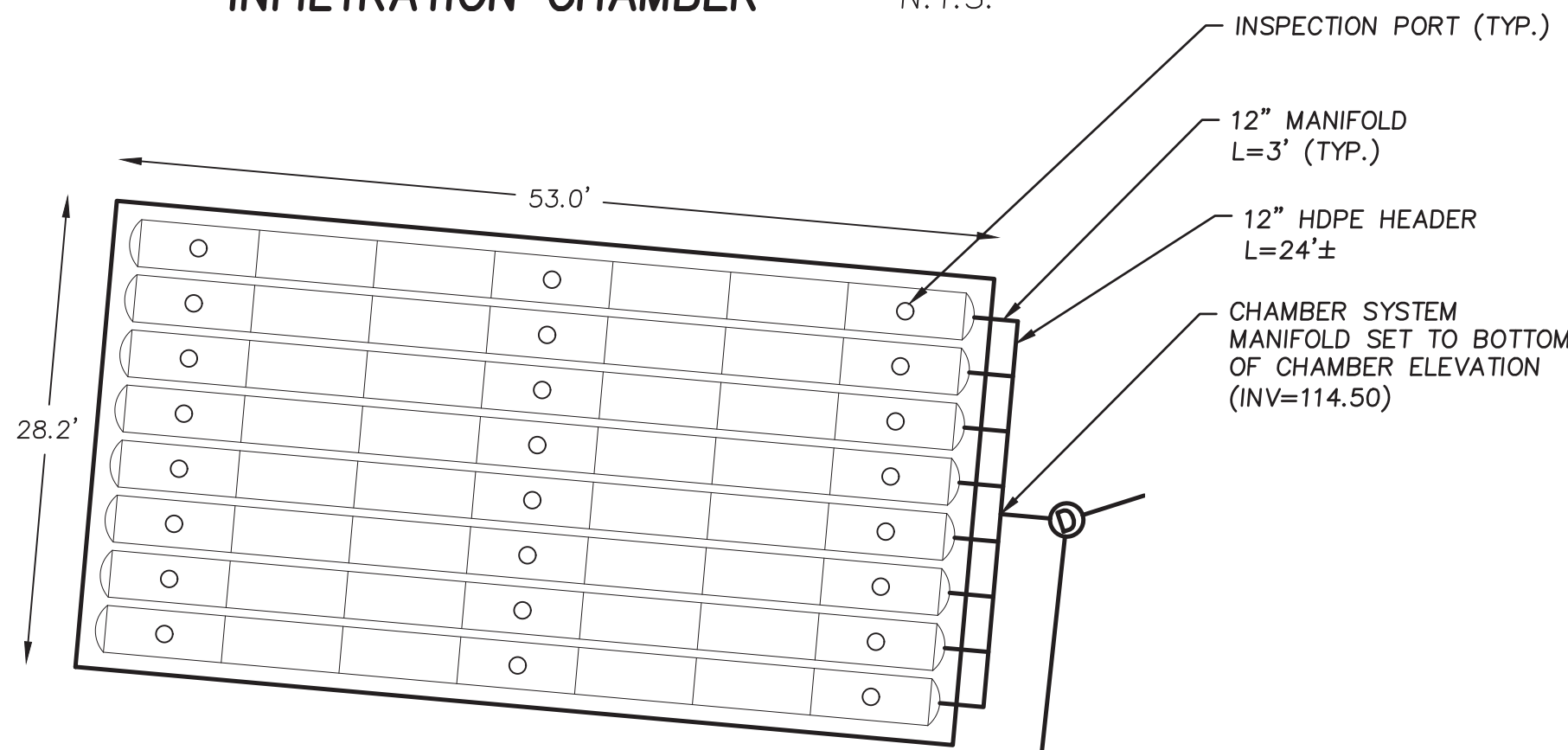




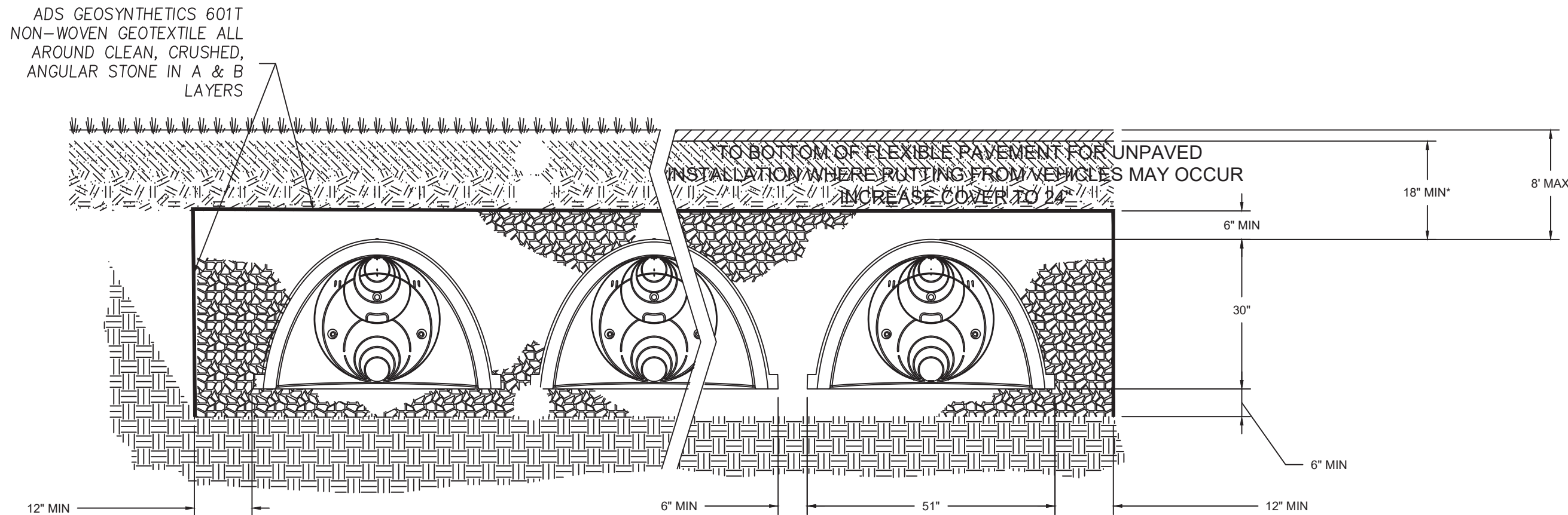
SUBSURFACE AREA	BOT. STONE ELEV.	BOT. CHAMBER ELEV.	TOP CHAMBER ELEV.	TOP STONE ELEV.	100 YR STORM ELEV.
#2	114.00	114.50	116.33	116.83	116.19

STORMTECH SC 310
INFILTRATION CHAMBER

N.T.S.



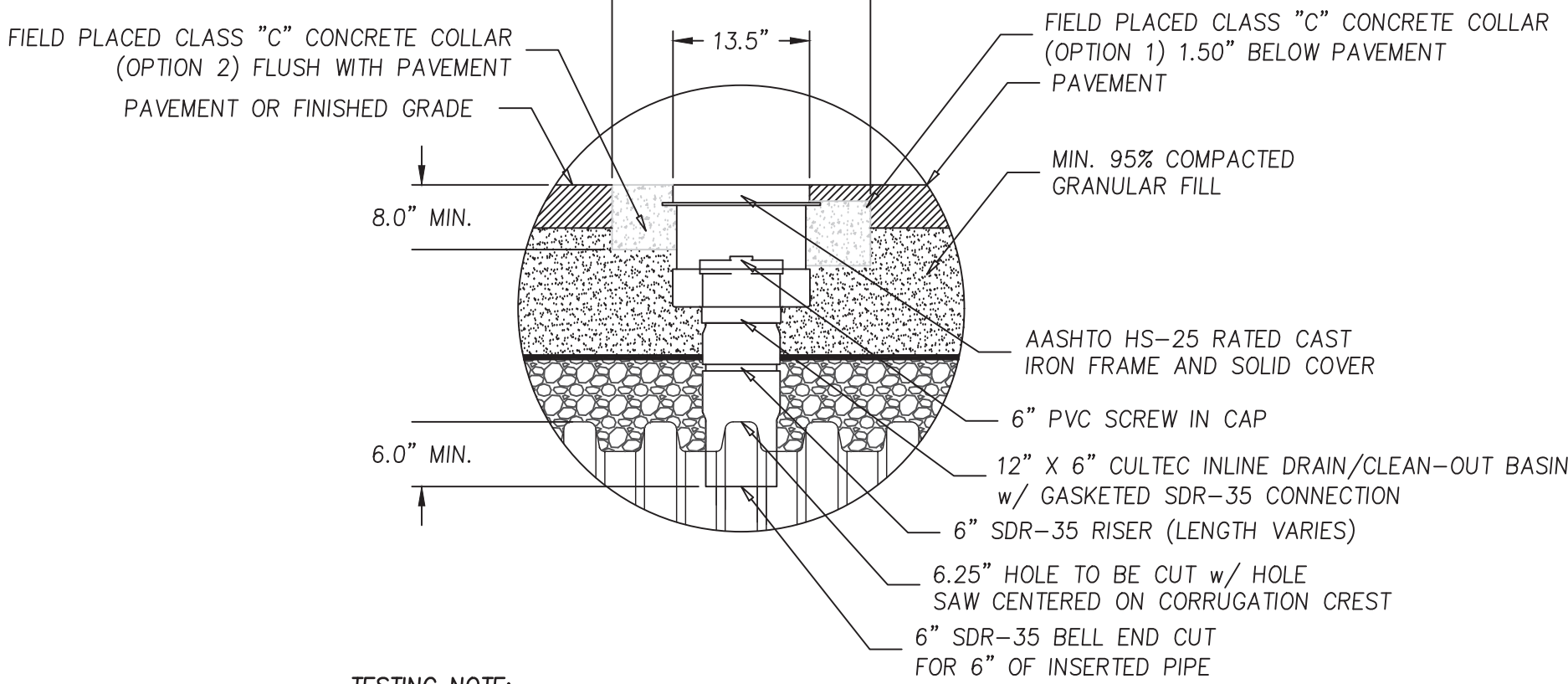
INFILTRATION SYSTEM #2



SUBSURFACE AREA	BOT. STONE ELEV.	BOT. CHAMBER ELEV.	TOP CHAMBER ELEV.	TOP STONE ELEV.	100 YR STORM ELEV.
#1	118.20	118.70	121.20	121.70	121.58
#3	114.50	115.00	117.50	118.00	117.00

STORMTECH SC 740
INFILTRATION CHAMBER

N.T.S.

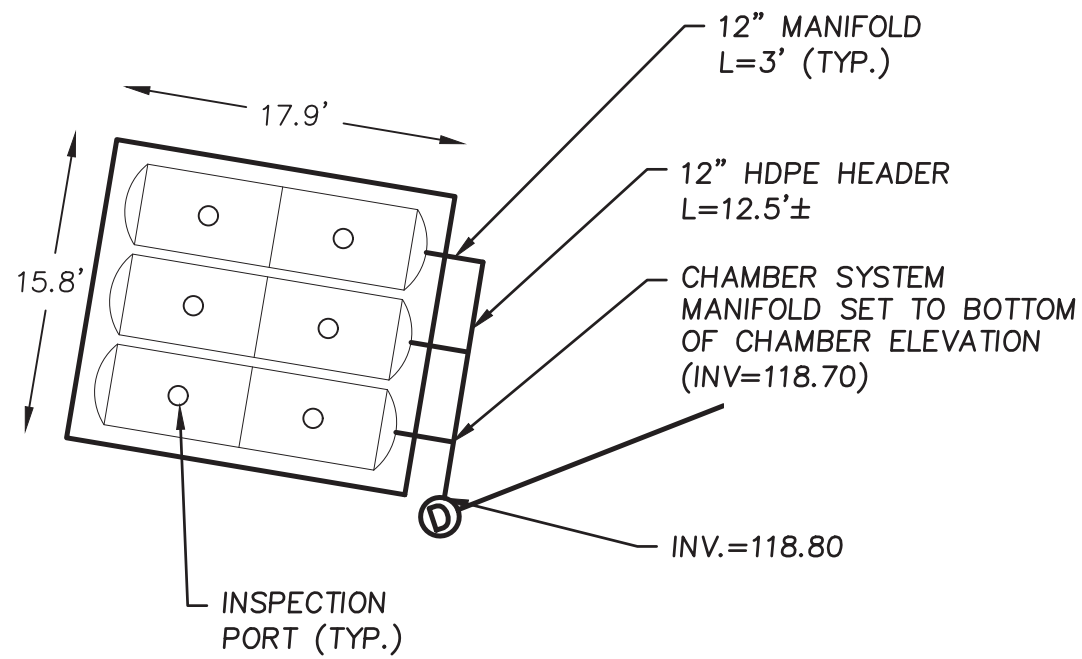


TESTING NOTE:

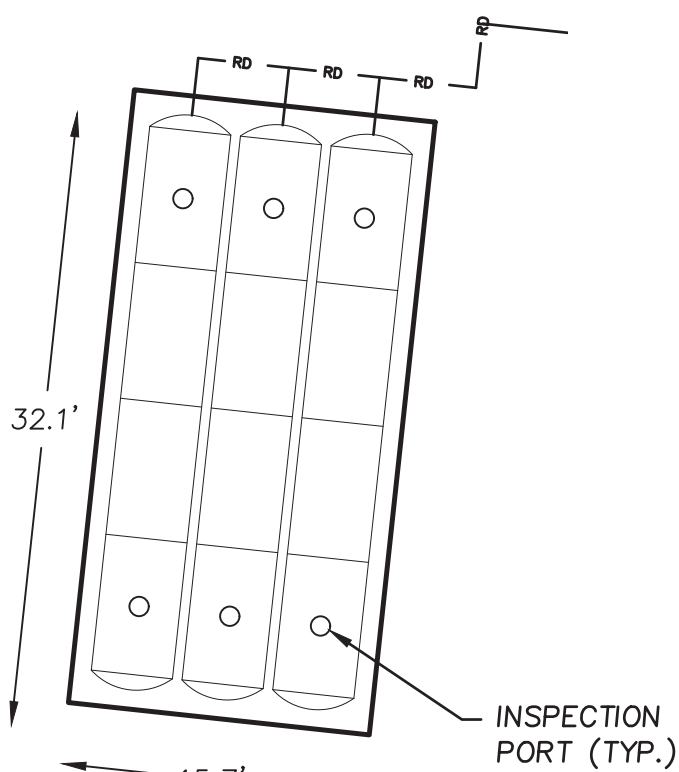
HDPE PIPE SHALL BE TESTED AFTER OR DURING INSTALLATION TO ENSURE A SOUND INSTALLATION IS ACCOMPLISHED. JOINT TESTING FOR WATERTIGHTNESS SHALL BE CONDUCTED IN ACCORDANCE WITH ASTM F2487 STANDARD PRACTICE FOR INFILTRATION AND EXFILTRATION ACCEPTANCE TESTING OF INSTALLED CORRUGATED HIGH DENSITY POLYETHYLENE PIPELINES.

INSPECTION PORT
DETAIL

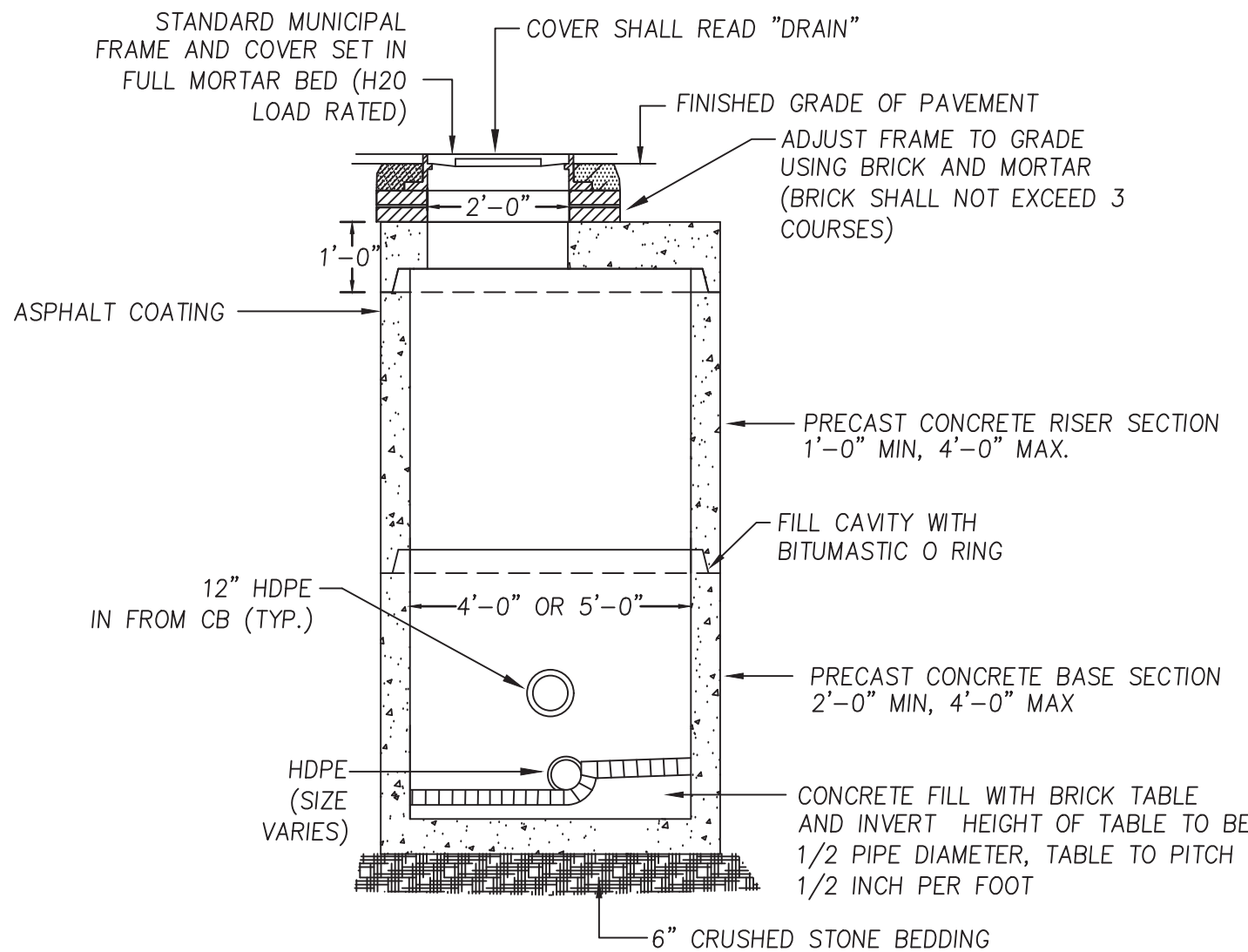
N.T.S.



INFILTRATION SYSTEM #1



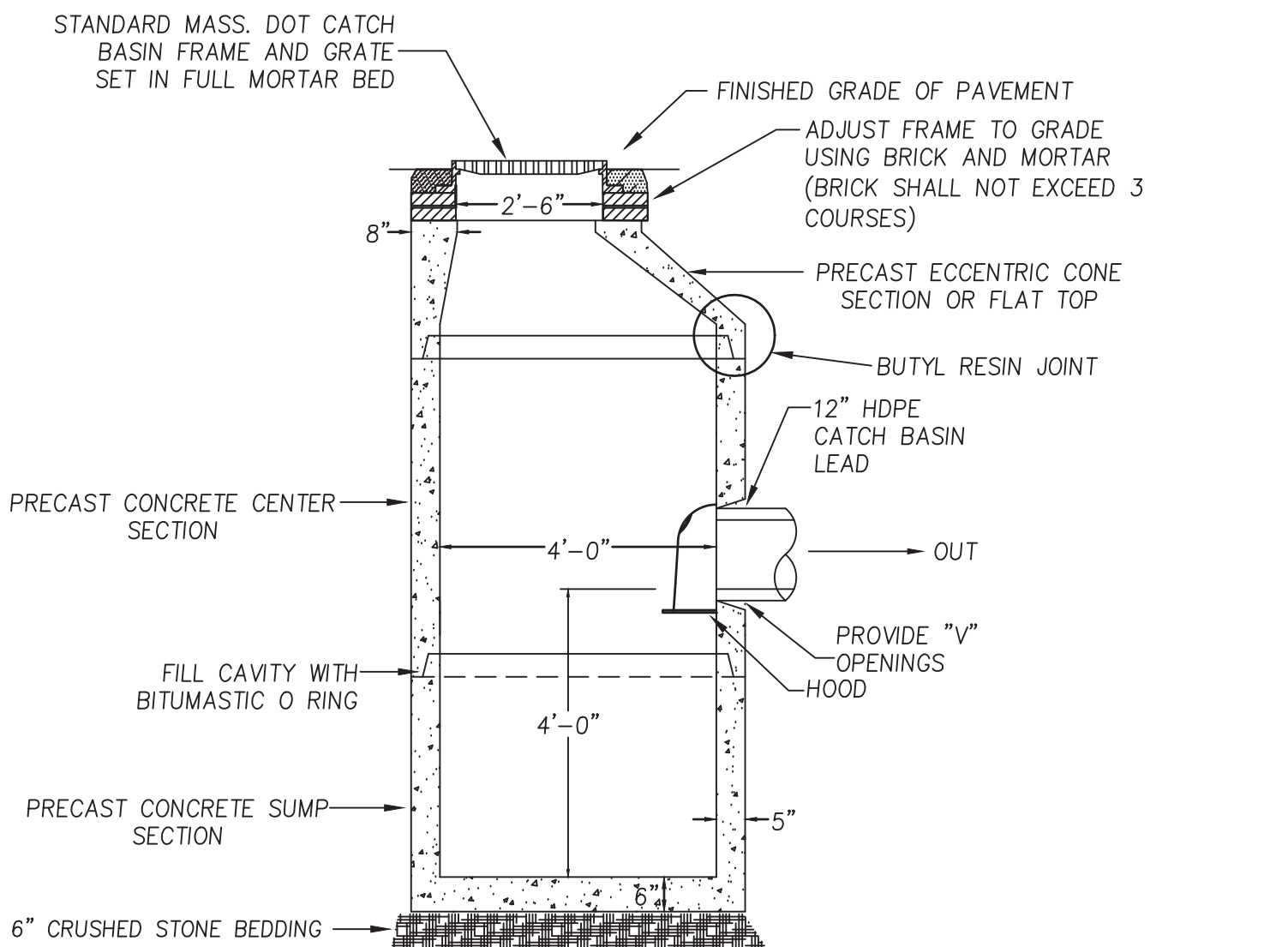
INFILTRATION SYSTEM #3



- NOTES: 1) DRAIN MANHOLES SHALL CONFORM TO ASTM C478 AND ASTM C185
2) FLAT TOP STRUCTURES SHALL BE PRECAST SECTIONS AND HAVE A 28 DAY COMPRESSIVE STRENGTH OF 5000 PSI REINFORCED FOR AASHTO H-20 LOADING.
3) CONICAL SECTIONS MAY BE SUBSTITUTED FOR FLAT-TOP STRUCTURES IN AREAS WHERE MORE THAN 4 FEET OF COVER IS PROVIDED FOR DRAIN PIPE AND FOR ADDITIONAL CLEARANCE TO EXISTING UTILITIES.

PRECAST DRAIN
MANHOLE DETAIL

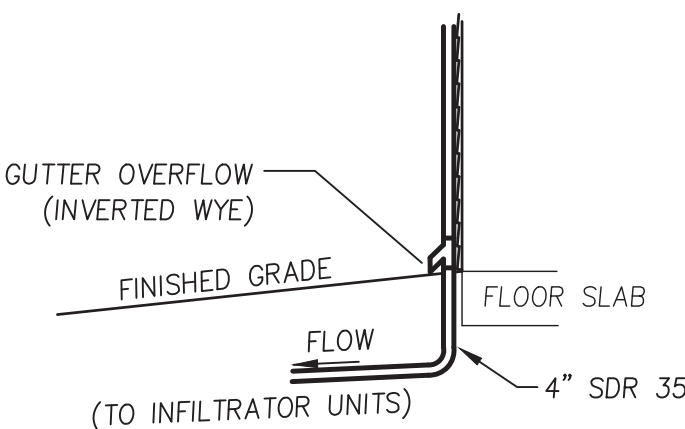
N.T.S.



- NOTES: 1) CATCH BASINS SHALL CONFORM TO ASTM C478 AND ASTM C185
2) FLAT TOP STRUCTURES SHALL BE PRECAST SECTIONS AND HAVE A 28 DAY COMPRESSIVE STRENGTH OF 5000 PSI REINFORCED FOR AASHTO H-20 LOADING.
3) CONICAL SECTIONS MAY BE SUBSTITUTED FOR FLAT-TOP STRUCTURES IN AREAS WHERE MORE THAN 4 FEET OF COVER IS PROVIDED FOR DRAIN PIPE.

PRECAST DEEP SUMP
CATCH BASIN DETAIL

N.T.S.



GUTTER DOWN
SPOUT DETAIL

N.T.S.

FOR REGISTRY USE

AMESBURY PLANNING
BOARD APPROVAL

DATE

CITY OF AMESBURY
OFFICE OF THE CITY OF THE CLERK

THIS IS TO CERTIFY THAT ON _____
I RECEIVED FROM THE AMESBURY PLANNING
BOARD CERTIFICATION OF ITS APPROVAL OF
THIS PLAN AND THAT DURING THE (20)
TWENTY DAYS NEXT FOLLOWING I HAVE
RECEIVED NO NOTICE OF ANY APPEAL FROM
SAID DECISION.

CLERK

DATE



PREPARED FOR

80 HAVERHILL ROAD, LLC
80 HAVERHILL ROAD
AMESBURY, MA

NO.	DATE	DESCRIPTION	BY
3	1/21/25	RESPONSE TO PEER REVIEW	S.R.C.
2	12/23/24	EDITS FROM TRC MEETING	S.R.C.
1	12/3/24	REVISIONS FROM PRELIM. HEARING	S.R.C.



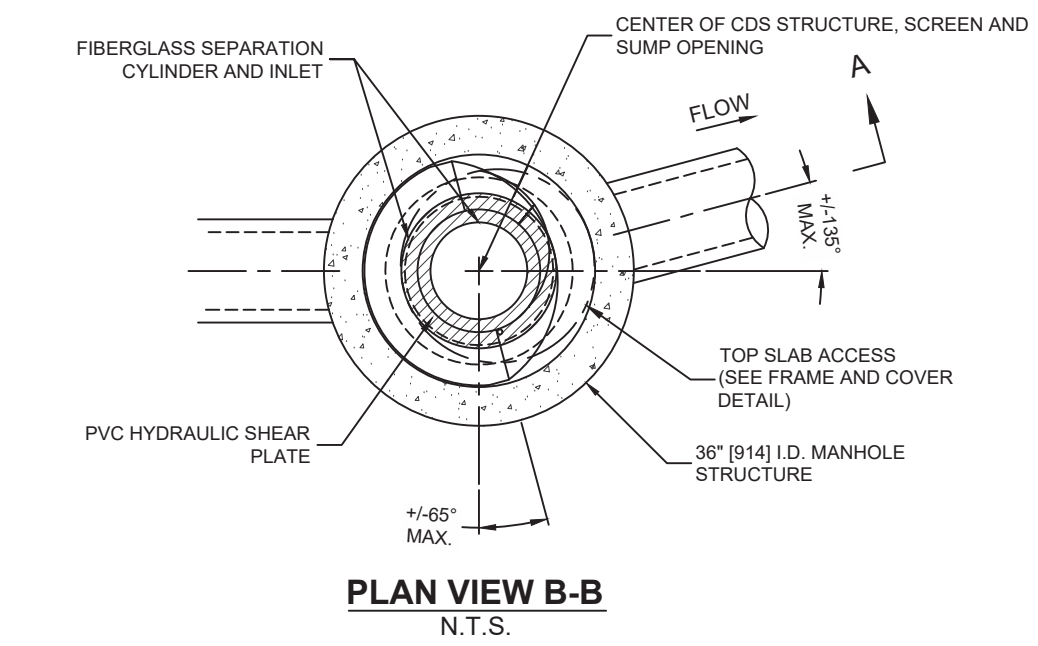
MILLENNIUM ENGINEERING, INC.
ENGINEERING AND LAND SURVEYING
62 ELM ST. SAUSBURY, MA 01952 (978) 463-8980
13 HAMPTON RD. EXETER, NH 03833 (603) 778-0528

SCALE: AS NOTED	CALC. BY: S.R.C.	PROJECT: M234276
DATE: NOV. 8, 2024	CHKD. BY: E.W.B.	

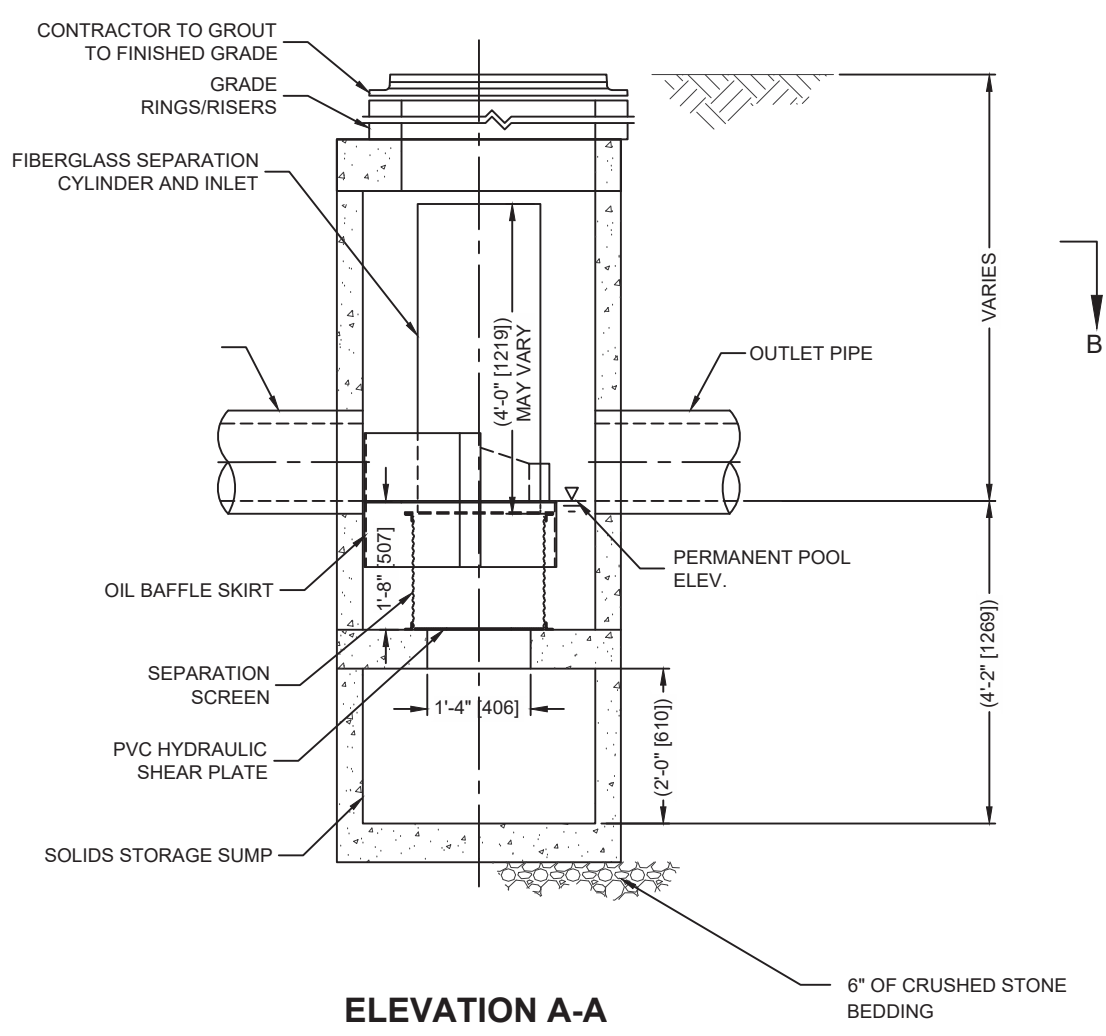
SITE PLAN
IN
AMESBURY, MA
AT
80 HAVERHILL ROAD

DETAILS

SHEET: C-10

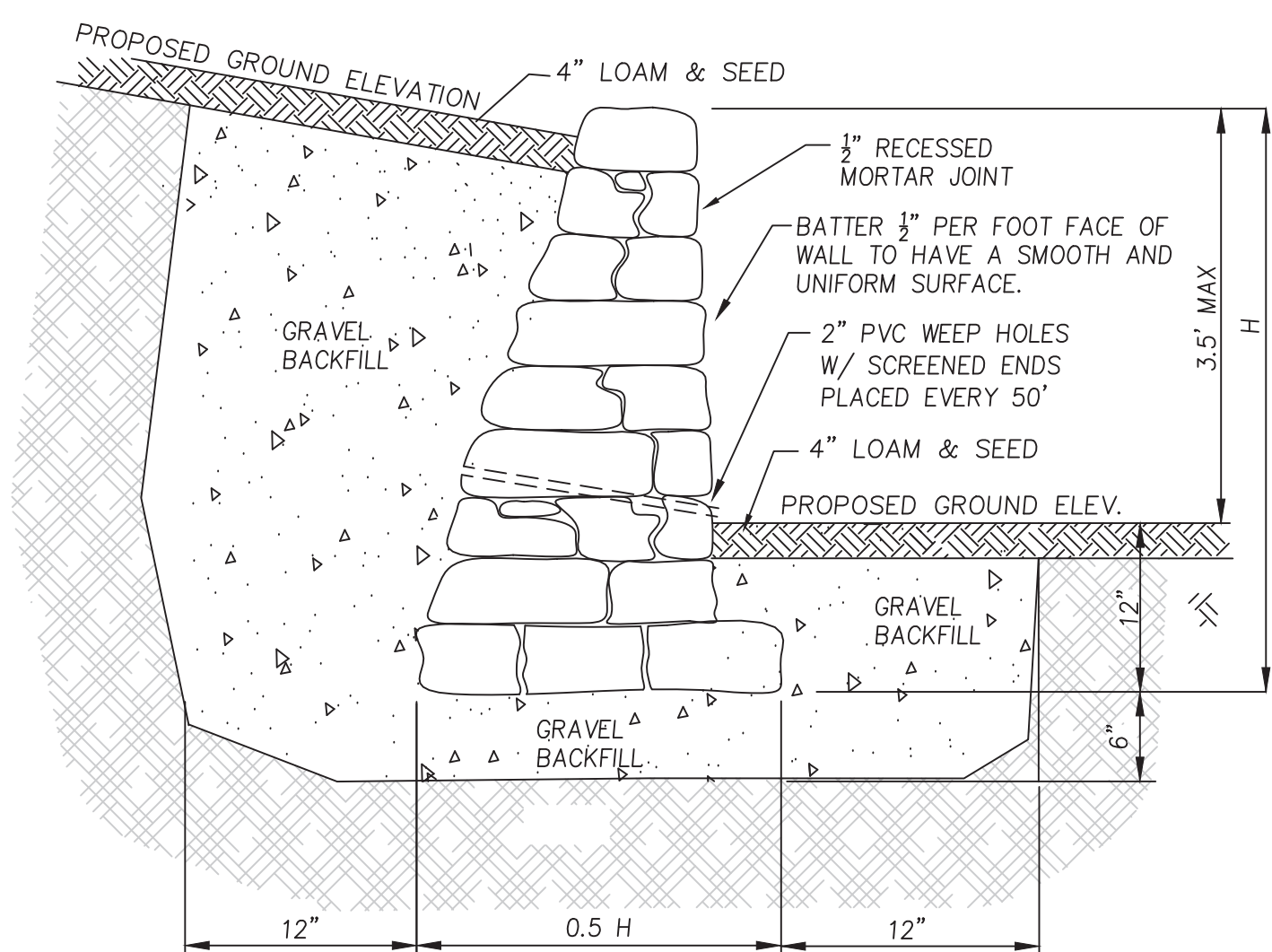


FRAME AND COVER
(DIAMETER VARIES)
N.T.S.

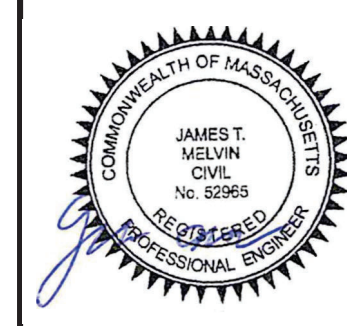


CONTECH CDS
DETAIL N.T.S.

- GENERAL NOTES**
1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
 2. DIMENSIONS MARKED WITH () ARE REFERENCE DIMENSIONS. ACTUAL DIMENSIONS MAY VARY.
 3. FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTECH CONSTRUCTION PRODUCTS REPRESENTATIVE: www.contech-cpi.com
 4. CDS WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING.
 5. STRUCTURE SHALL MEET AASHTO HS20 AND CASTINGS SHALL MEET AASHTO M306 LOAD RATING, ASSUMING GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION.
 6. PVC HYDRAULIC SHEAR PLATE IS PLACED ON SHELF AT BOTTOM OF SCREEN CYLINDER. REMOVE AND REPLACE AS NECESSARY DURING MAINTENANCE CLEANING.
- INSTALLATION NOTES**
1. ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
 2. CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE CDS MANHOLE STRUCTURE (LIFTING CLUTCHES PROVIDED).
 3. CONTRACTOR TO ADD JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS, AND ASSEMBLE STRUCTURE.
 4. CONTRACTOR TO PROVIDE, INSTALL, AND GROUT PIPES. MATCH PIPE INVERTS WITH ELEVATIONS SHOWN.
 5. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO ASSURE UNIT IS WATER TIGHT, HOLDING WATER TO FLOWLINE INVERT MINIMUM. IT IS SUGGESTED THAT ALL JOINTS BELOW PIPE INVERTS ARE GROUTED.



FIELD STONE MASONRY
RETAINING WALL N.T.S.



PREPARED FOR			
80 HAVERHILL ROAD, LLC 80 HAVERHILL ROAD AMESBURY, MA			
3	1/21/25	RESPONSE TO PEER REVIEW	S.R.C.
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NO.	DATE	DESCRIPTION	BY

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SCALE: AS NOTED	CALC. BY: S.R.C.	PROJECT: M234276
DATE: NOV. 8, 2024	CHKD. BY: E.W.B.	

SITE PLAN
IN
AMESBURY, MA
AT
80 HAVERHILL ROAD

DETAILS

SHEET: C-11