

SINGLE-FAMILY HOUSE LOTS & STREET IMPROVEMENTS

0 MYRICK AVENUE
WORCESTER, MA 01605

SHEET INDEX

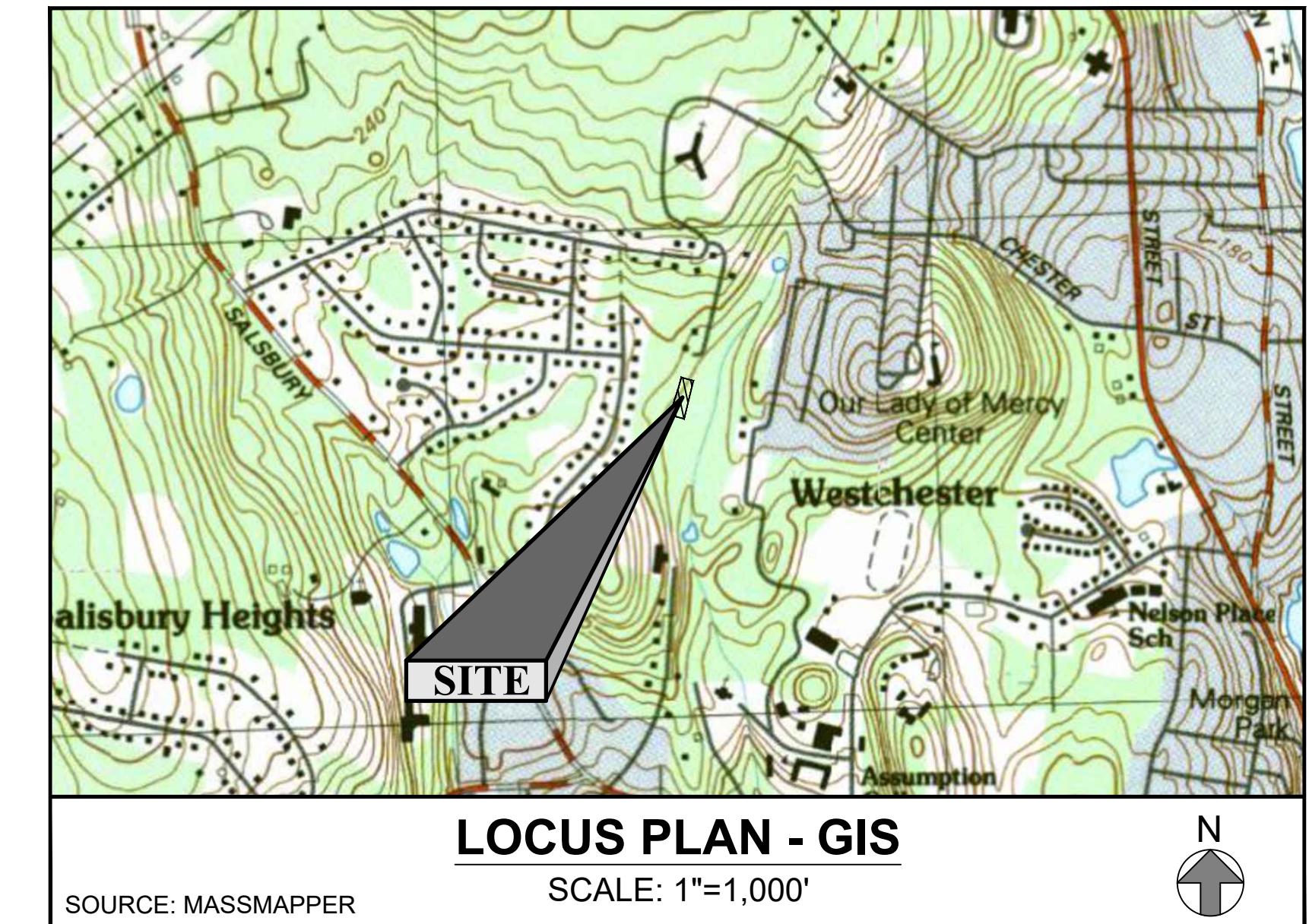
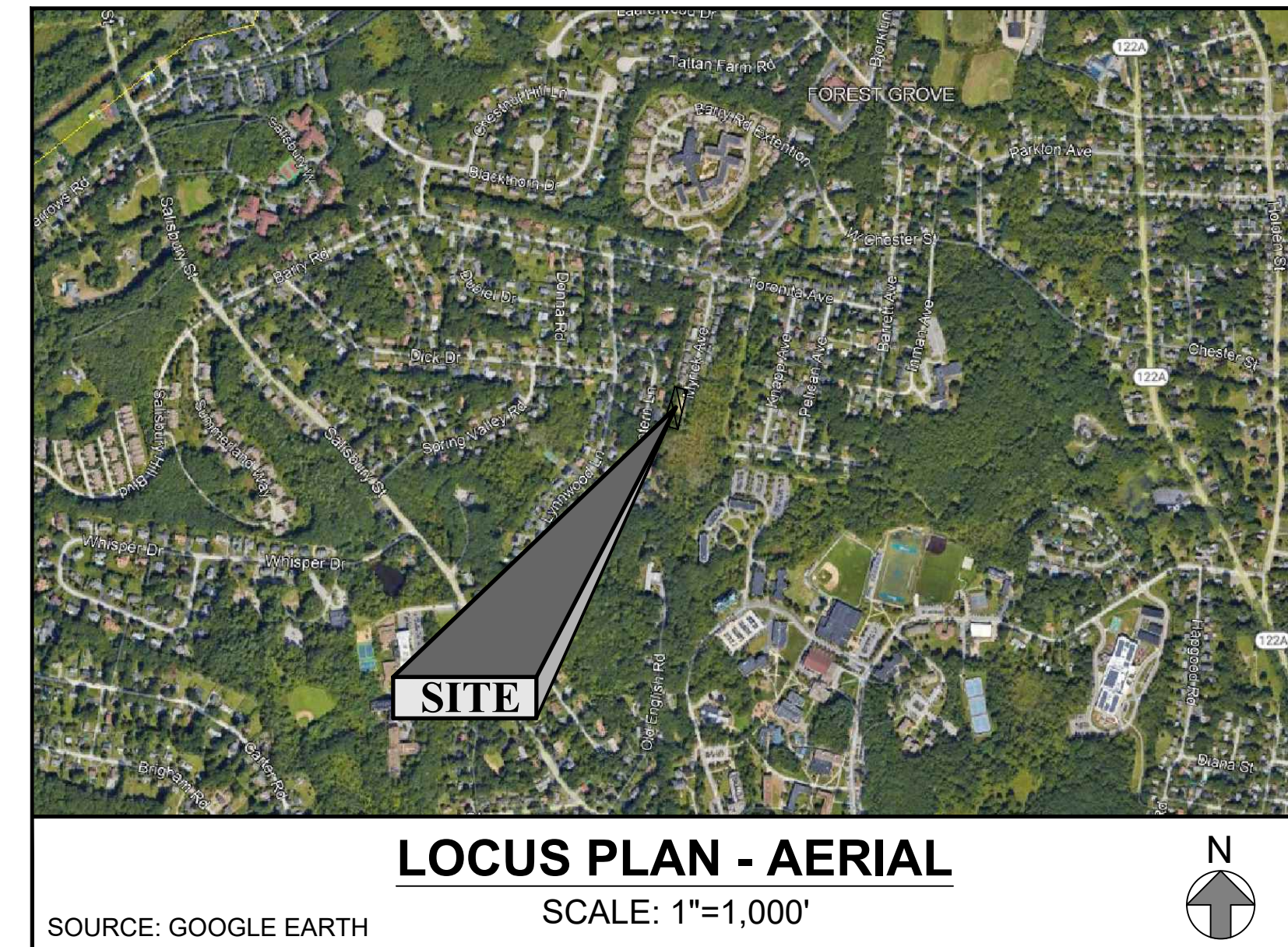
No.	Title	Issue Date
C001	Cover Sheet	December 20, 2023
C101	Site Demo, & Sediment & Erosion Control Plan	December 20, 2023
C102	Layout Plan	December 20, 2023
C103	Grading & Drainage Plan	December 20, 2023
C104	Utilities Plan	December 20, 2023
C501	Site Details - 1	December 20, 2023
C502	Site Details - 2	December 20, 2023

REFERENCE PLAN INDEX

No.	Title	Issue Date
E1	Existing Conditions Plan (B&R Survey, Inc.)	August 31, 2023
-	Single Family Home (Residential Design, Inc.)	November 14, 2023

REVISIONS/ISSUES

No.	Note	Date
1	Issued for Permitting	December 20, 2023



OWNER/APPLICANT

Kendall Homes Inc.
P.O. Box 766
Southborough, MA 01772

ENVIRONMENTAL CONSULTANT

EBT Environmental Consultants, Inc.
601 Main Street
Oxford, MA 01537

SURVEYOR

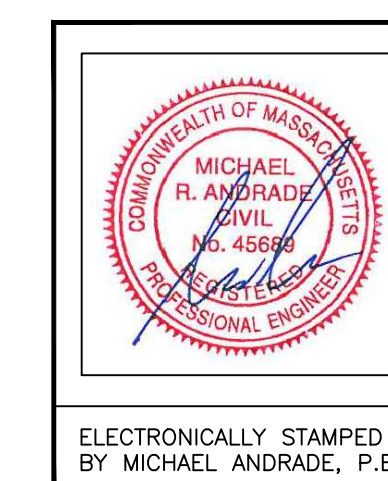
B&R Survey, Inc.
100 Grove Street
Worcester, MA 01605

ARCHITECT

Residential Design Inc.
P.O. Box 67
Conway, NH 03818



100 GROVE STREET | WORCESTER MA 01605
T 508-856-0321 | F 508-856-0357
gravesengineering.com



GENERAL NOTES

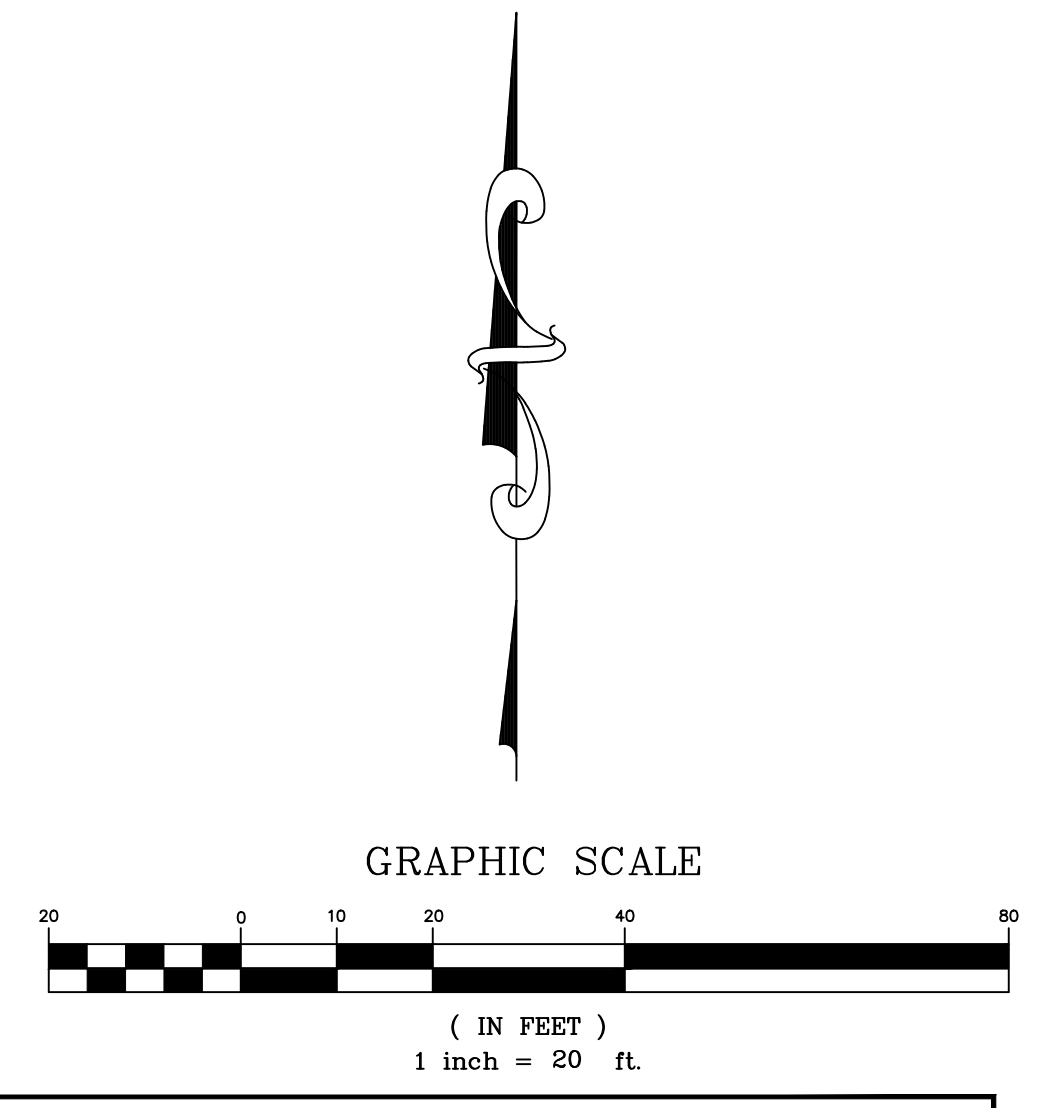
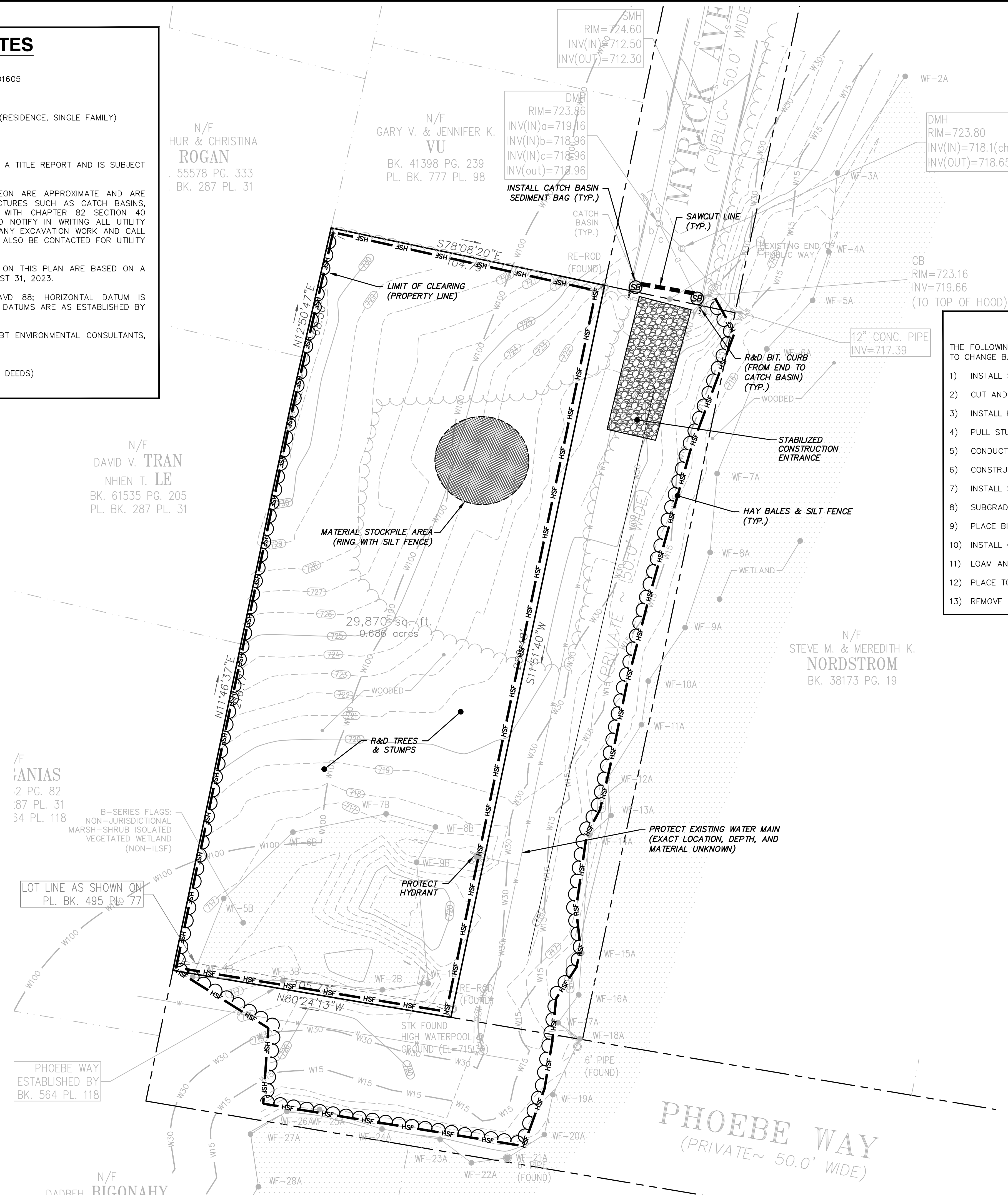
PARCEL DATA:
 STREET ADDRESS: 0 MYRICK AVENUE, WORCESTER, MA 01605
 AREA: ±29,870 SQ. FT. (0.686 ACRES)
 OWNER: KENDALL HOMES INC. ZONE: RS-7 (RESIDENCE, SINGLE FAMILY)
 P.O. BOX 766
 SOUTHBOROUGH, MA 01772

NOTES:
 1) THIS PLAN WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT AND IS SUBJECT TO ANY FINDINGS SUCH A REPORT MIGHT DISCLOSE.
 2) LOCATION OF UNDERGROUND UTILITIES SHOWN HEREON ARE APPROXIMATE AND ARE BASED ON THE FIELD LOCATION OF VISIBLE STRUCTURES SUCH AS CATCH BASINS, MANHOLES, WATER GATES, ETC. IN ACCORDANCE WITH CHAPTER 82 SECTION 40 INCLUDING AMENDMENTS, ALL CONTRACTORS SHOULD NOTIFY IN WRITING ALL UTILITY COMPANIES AND GOVERNMENT AGENCIES PRIOR TO ANY EXCAVATION WORK AND CALL DIG-SAFE AT 811. THE CITY OF WORCESTER SHALL ALSO BE CONTACTED FOR UTILITY MARKOUTS.
 3) PROPERTY LINE DATA AND TOPOGRAPHIC FEATURES ON THIS PLAN ARE BASED ON A PLAN PREPARED BY B&R SURVEY, INC., DATED AUGUST 31, 2023.
 4) THE VERTICAL DATUM FOR THIS PROJECT IS NAVD 88; HORIZONTAL DATUM IS MASSACHUSETTS STATE PLANE COORDINATE SYSTEM. DATUMS ARE AS ESTABLISHED BY GPS METHODS.
 5) RESOURCE AREA BOUNDARY WAS DELINEATED BY EBT ENVIRONMENTAL CONSULTANTS, INC. ON SEPTEMBER 14, 2023.

REFERENCES:
 PLAN BOOK/PAGE: 69936/43 (WORCESTER REGISTRY OF DEEDS)
 ASSESSORS REFERENCE: 33-019-154-5

LEGEND

- UGE — UNDERGROUND ELECTRIC
- G — GAS
- D — DRAIN
- S — SEWER
- W — WATER
- ⊙ SEWER MANHOLE (SMH)
- CATCH BASIN (CB)
- ⊕ WATER GATE VALVE
- ⊕ HYDRANT
- ⊕ LIGHT POLE
- SOLID FENCE
- CHAIN LINK FENCE
- TREE LINE
- BITUMINOUS PAVEMENT (BIT.)
- CONCRETE (CONC.)
- TREE, SIZE, DECIDUOUS (DEC.), CONIFEROUS (CON.)
- HSF — HAY BALES & SILT FENCE
- SW — STRAW WATTLES
- INV. INVERT
- XXX.XX SPOT ELEVATION
- NEW PAVEMENT AREA
- GENERAL DIRECTION OF RUNOFF
- EOP EDGE OF PAVEMENT
- M.E. MATCH EXISTING (ELEVATION)
- H.P. HIGH POINT (ELEVATION)
- L.P. LOW POINT (ELEVATION)
- WETLAND RESOURCE AREA FLAG—NO.
- W100 100-FOOT BUFFER ZONE
- W30 30-FOOT BUFFER ZONE (LOCAL)
- W15 15-FOOT BUFFER ZONE (LOCAL)
- IRON PIN FOUND (I.P. FND)
- SIGN
- TEST PIT (TP)—NO.



GENERAL SEQUENCE OF CONSTRUCTION

- THE FOLLOWING IS INTENDED TO PROVIDE A GENERAL SEQUENCE OF CONSTRUCTION AND IS SUBJECT TO CHANGE BASED ON CONTRACTOR'S SCHEDULE AND MEANS AND METHODS OF CONSTRUCTION
- 1) INSTALL STABILIZED CONSTRUCTION ENTRANCE.
 - 2) CUT AND CLEAR TREES.
 - 3) INSTALL PERIMETER SEDIMENT CONTROLS.
 - 4) PULL STUMPS, GRUB, STRIP AND STOCKPILE TOPSOIL (LOAM).
 - 5) CONDUCT ROUGH BULK GRADING (CUTS AND FILLS).
 - 6) CONSTRUCT BUILDING AND UTILITIES.
 - 7) INSTALL SUBSURFACE ROOF INFILTRATION SYSTEM.
 - 8) SUBGRADE AND PLACE PAVEMENT GRAVEL BASE FOR DRIVEWAYS AND STREET.
 - 9) PLACE BINDER COURSE ASPHALT FOR DRIVEWAYS AND STREET.
 - 10) INSTALL CONCRETE PADS AND WALKS.
 - 11) LOAM AND SEED, INSTALL EROSION CONTROL BLANKETS.
 - 12) PLACE TOP COURSE ASPHALT FOR DRIVEWAYS AND STREET.
 - 13) REMOVE PERIMETER SEDIMENT CONTROLS ONLY WHEN UPGRADE AREAS ARE FULLY STABILIZED.



SHEET KEY

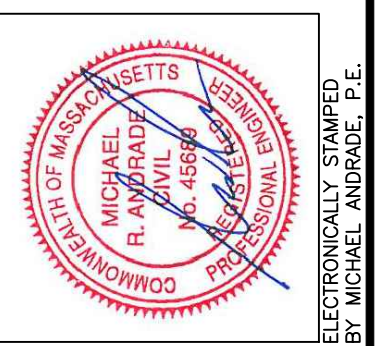
- FEATURES MARKED AS ⊕ SHALL BE PROTECTED
- FEATURES MARKED AS ⊗ SHALL BE R&D
- R&D = REMOVE AND DISPOSE (OFFSITE)
- ////// = R&D FEATURE

SHEET NOTES

- 1) ALL EXISTING PAVEMENT ABUTTING NEW PAVEMENT SHALL BE NEATLY SAWCUT.
- 2) ALL ITEMS NOTED TO BE REMOVED AND DISPOSED SHALL BE PROPERLY DISPOSED OF OFFSITE.
- 3) STOCKPILE LOCATIONS (FILL MATERIALS, ETC.) SHALL BE COORDINATED WITH THE OWNER AND THE ENGINEER AND SHALL BE RINGED WITH SILT FENCE. ALL DISTURBED AREAS INCLUDING STOCKPILES, THAT WILL NOT BE RE-DISTURBED WITHIN 14 DAYS SHALL BE STABILIZED BY THE 14TH DAY AFTER THE LAST DISTURBANCE.
- 4) THE CONTRACTOR SHALL EMPLOY ANY AND ALL EROSION AND SEDIMENT CONTROL MEASURES TO PREVENT A RELEASE OF SEDIMENT FROM THE SITE.
- 5) SEDIMENT AND EROSION CONTROLS SHALL BE INSTALLED PRIOR TO THE START OF ANY SITE WORK.
- 6) SEDIMENT TRACKED ONTO ROADWAYS ADJACENT TO THE SITE SHALL BE SWEEPED CLEAN AND REMOVED EACH DAY.
- 7) CONTRACTOR SHALL ABIDE BY ALL APPLICABLE CONDITIONS OF THE PROJECT'S ORDER OF CONDITIONS, ISSUED BY THE WORCESTER CONSERVATION COMMISSION.

GRAVES ENGINEERING, Inc.
 100 GROVE STREET | WORCESTER MA 01605
 T 508-856-0321 | F 508-856-0357
 gravesengineering.com

NO.	DATE	BY	DESCRIPTION	REVISIONS
1	12/20/23	ROM	ISSUED FOR PERMITTING	



SITE DEMO, & SEDIMENT & EROSION CONTROL PLAN
SINGLE-FAMILY HOUSE LOTS & STREET IMPROVEMENTS
 0 MYRICK AVENUE, WORCESTER, MA 01605

PREPARED FOR: KENDALL HOMES INC.
 P.O. BOX 766, SOUTHBOROUGH, MA 01772

DATE: 12/20/23 SCALE: 1"=20'
 DES. BY: ROM DRW. BY: ROM CHK. BY: MRA PRJ. NO.: 23127

SHEET NOTES

- ALL JOINTS OF EXISTING & PROPOSED BITUMINOUS PAVEMENT SHALL BE SEALED WITH HOT RUBBERIZED ASPHALT JOINT SEALANT AND SANDED.
- THE PROPOSED BLOCK RETAINING WALL SHOWN IS A DEFERRED DESIGN ITEM AS IT MAY REQUIRE A BUILDING PERMIT AND DESIGN BY A STRUCTURAL ENGINEER. IF SO REQUIRED, A COPY OF THE STAMPED RETAINING WALL DESIGN PLAN(S) SHALL BE PROVIDED TO THE WORCESTER DIVISION OF PLANNING & REGULATORY SERVICES OFFICE PRIOR TO AT THE SAME TIME AS SUBMITTAL OF THE BUILDING PERMIT APPLICATION. RETAINING WALL LOCATIONS, HEIGHTS, AND CONSTRUCTION MATERIALS SHALL REMAIN AS SHOWN ON THESE PLANS. RETAINING WALL DRAINS SHALL DAYLIGHT TO A POSITIVE OUTFALL OR CONNECT TO THE PROPOSED DRAINAGE SYSTEM.
- AN APPROVAL-NOT-REQUIRED (ANR) PLAN WILL BE FILED WITH THE PLANNING BOARD FOR CREATION OF THE FOUR LOTS AS SHOWN ON THESE DRAWINGS.

N/F
HUR & CHRISTINA
ROGAN
55578 PG. 333
BK. 287 PL. 31

N/F
GARY V. & JENNIFER K.
VU
BK. 41398 PG. 239
PL. BK. 777 PL. 98

N/F
DAVID V. TRAN
NHUEN T. LE
BK. 61535 PG. 205
PL. BK. 287 PL. 31

N/F
HELEN GANIAS
BK. 63962 PG. 82
PL. BK. 287 PL. 31
PL. BK. 564 PL. 118

N/F
STEVE M. & MEREDITH K.
NORDSTROM
BK. 38173 PG. 19

B-SERIES FLAGS:
NON-JURISDICTIONAL
MARSH-SHRUB ISOLATED
VEGETATED WETLAND
(NON-ILSF)

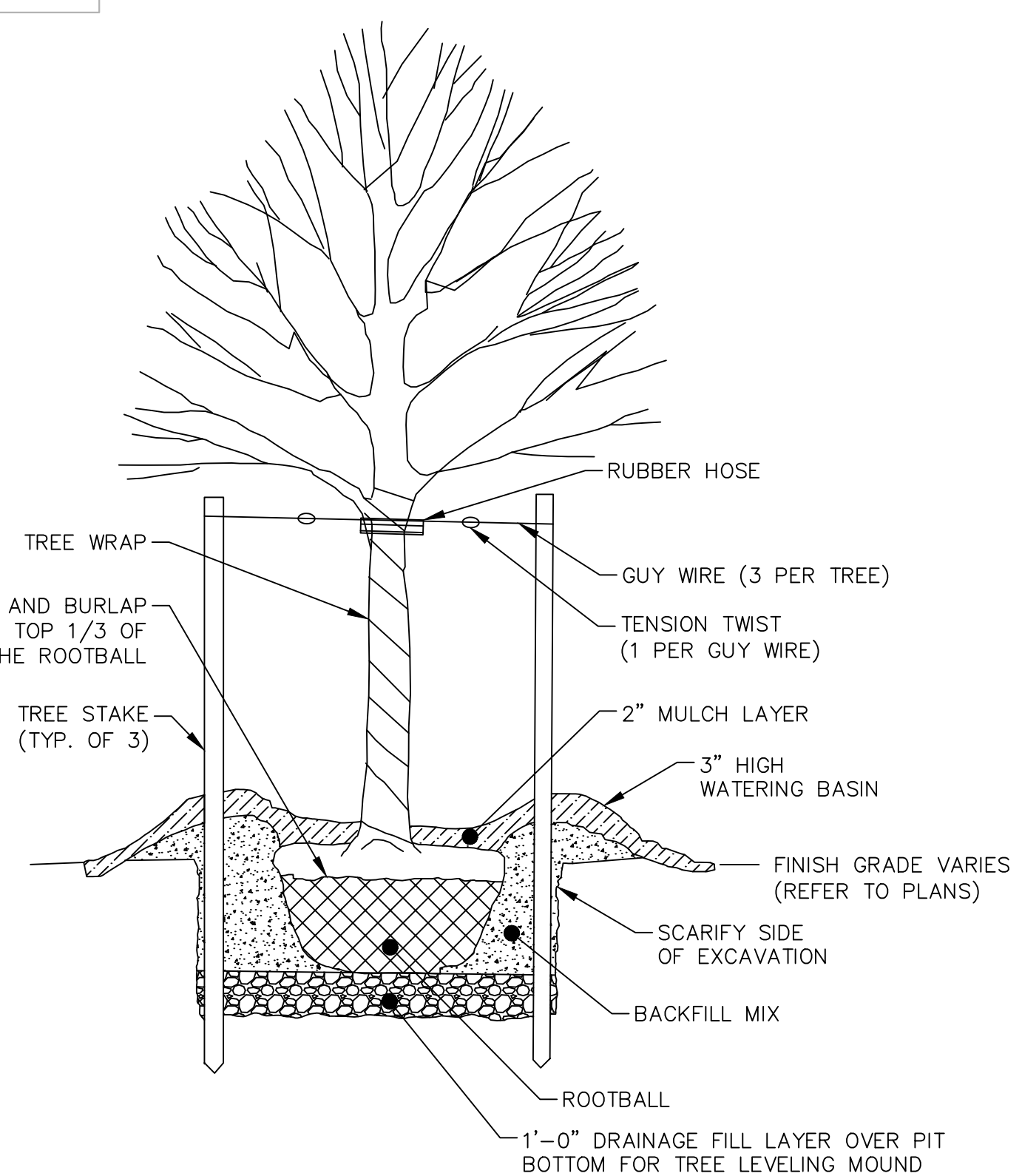
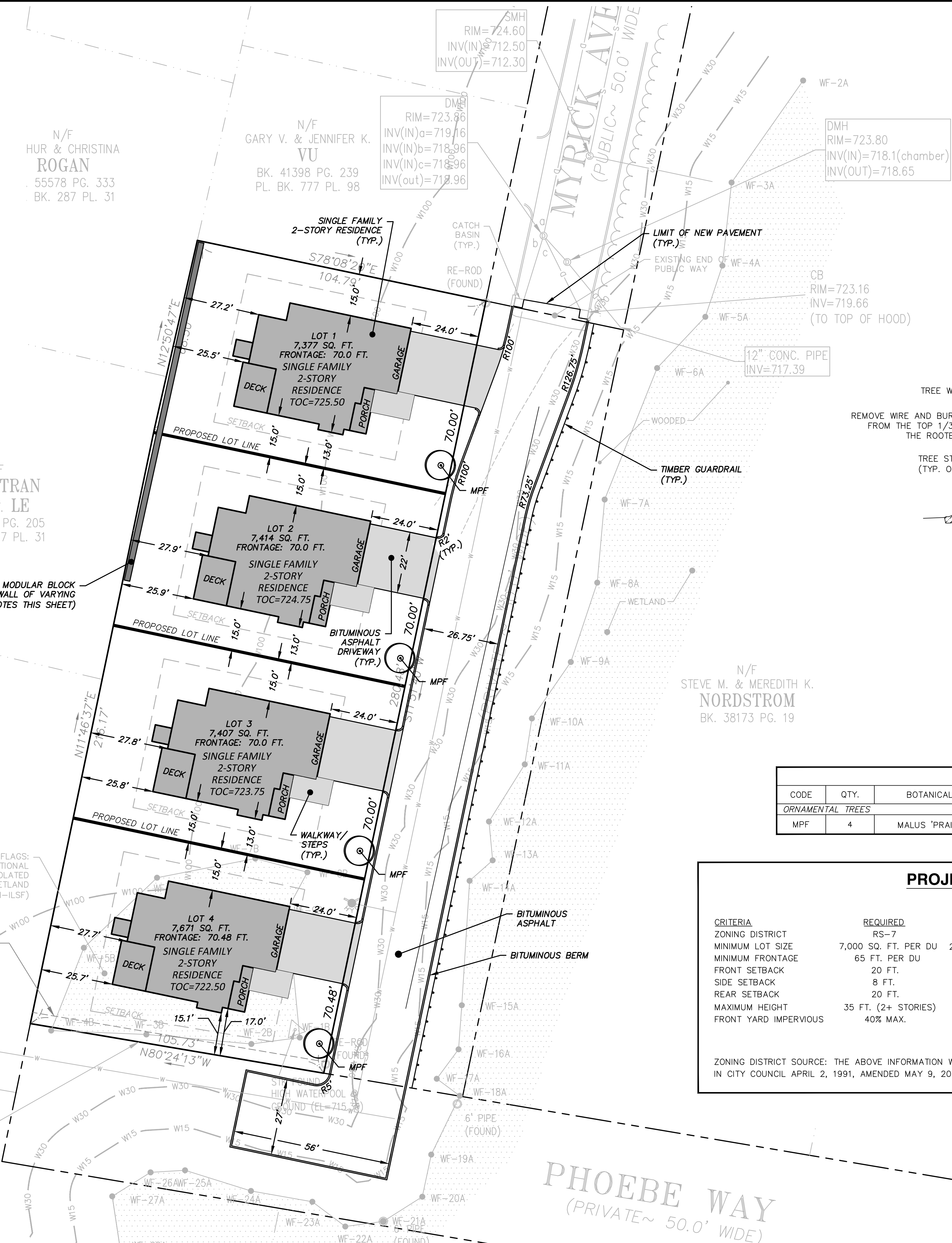
LOT LINE AS SHOWN ON
PL. BK. 495 PL. 77

PHOEBE WAY
ESTABLISHED BY
PL. BK. 564 PL. 118

LANTERN LANE
(PUBLIC ~ 50.0' WIDE)

MYRICK AVH
(PUBLIC ~ 50.0' WIDE)

PHOEBE WAY
(PRIVATE ~ 50.0' WIDE)

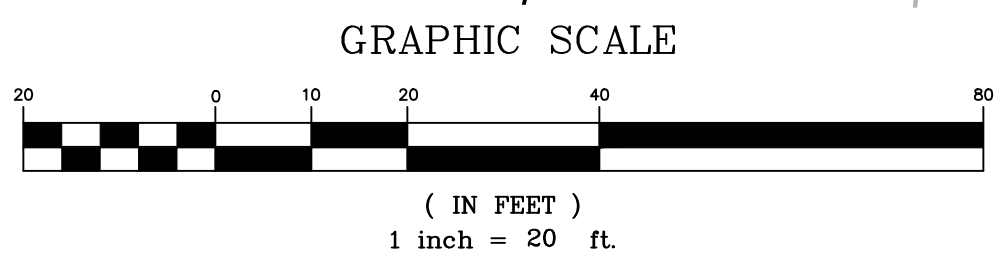


- NOTES:
- SET TREE ROOT CROWN 2" ABOVE FINISH GRADE.
 - DO NOT PLACE SOIL OVER ROOTBALL.

CODE	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	NOTES
ORNAMENTAL TREES					
MPF	4	MALUS 'PRAIRIE FIRE'	'PRAIRIE FIRE' CRABAPPLE	3'-4' HT.	PLANT WHERE SHOWN

CRITERIA	REQUIRED	EXISTING	PROPOSED LOT 1	PROPOSED LOT 2	PROPOSED LOT 3	PROPOSED LOT 4
	ZONING DISTRICT	RS-7	SAME	SAME	SAME	SAME
MINIMUM LOT SIZE	7,000 SQ. FT. PER DU	29,870 SQ. FT.	7,377 SQ. FT.	7,414 SQ. FT.	7,407 SQ. FT.	7,671 SQ. FT.
MINIMUM FRONTAGE	65 FT. PER DU	280.48 FT.	70.0 FT.	70.0 FT.	70.0 FT.	70.48 FT.
FRONT SETBACK	20 FT.	N/A	24.0 FT.	24.0 FT.	24.0 FT.	24.0 FT.
SIDE SETBACK	8 FT.	N/A	13.0 FT.	13.0 FT.	13.0 FT.	15.0 FT.
REAR SETBACK	20 FT.	N/A	25.5 FT.	25.9 FT.	25.8 FT.	25.7 FT.
MAXIMUM HEIGHT	35 FT. (2+ STORIES)	N/A	34 FT.	34 FT.	34 FT.	34 FT.
FRONT YARD IMPERVIOUS	40% MAX.	N/A	33.5%	33.5%	33.5%	32.9%

ZONING DISTRICT SOURCE: THE ABOVE INFORMATION WAS OBTAINED FROM THE CITY OF WORCESTER ZONING ORDINANCE ORDAINED IN CITY COUNCIL APRIL 2, 1991, AMENDED MAY 9, 2023.



GRAVES
ENGINEERING, Inc.
100 GROVE STREET | WORCESTER MA 01605
T 508-856-0321 | F 508-856-0357
gravesengineering.com

NO.	DATE	BY	DESCRIPTION
1	12/20/23	ROM	ISSUED FOR PERMITTING

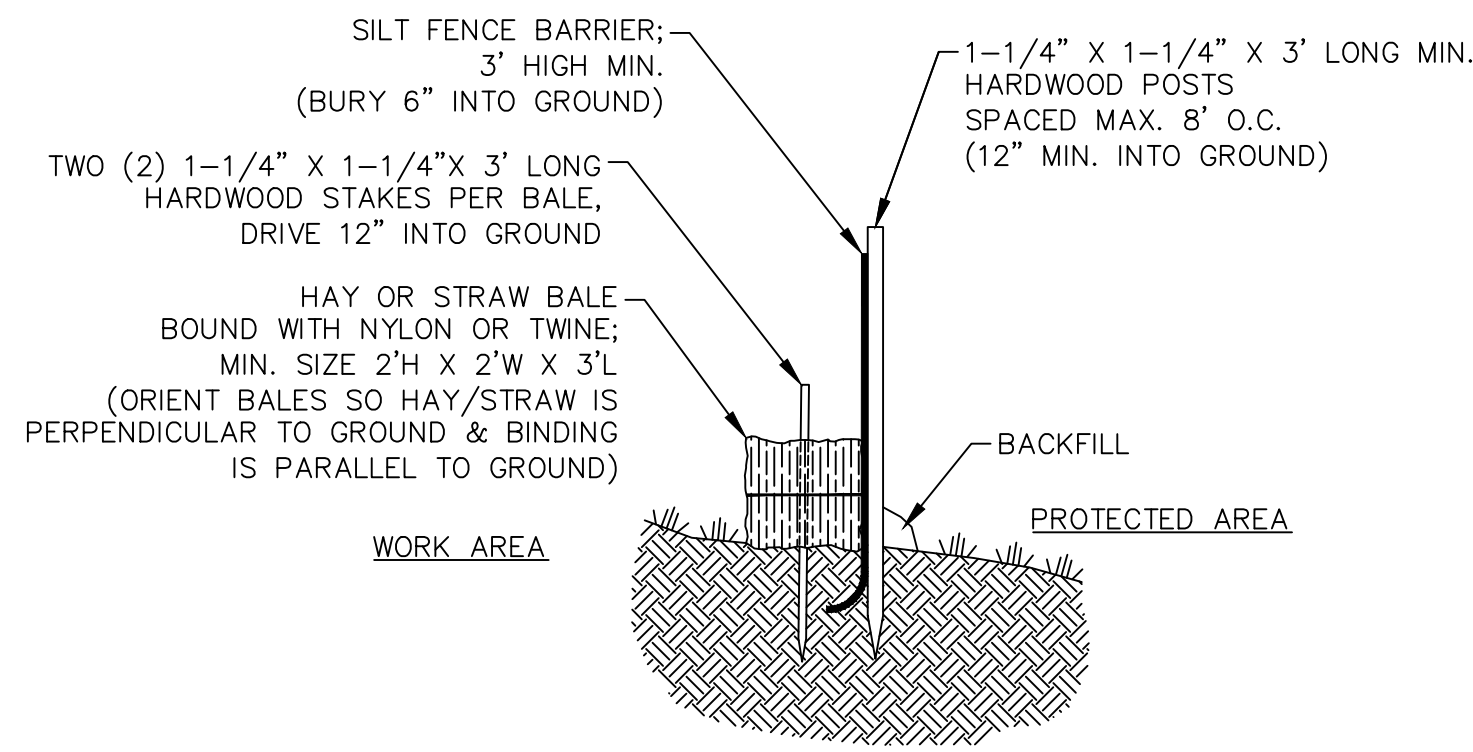


LAYOUT PLAN
SINGLE-FAMILY HOUSE LOTS & STREET IMPROVEMENTS
0 MYRICK AVENUE, WORCESTER, MA 01605

PREPARED FOR: KENDALL HOMES INC.
P.O. BOX 766, SOUTHBOROUGH, MA 01772

DATE: 12/20/23 SCALE: 1"=20'
DES. BY: ROM
CHK. BY: MRA
PRJ. NO.: 23127

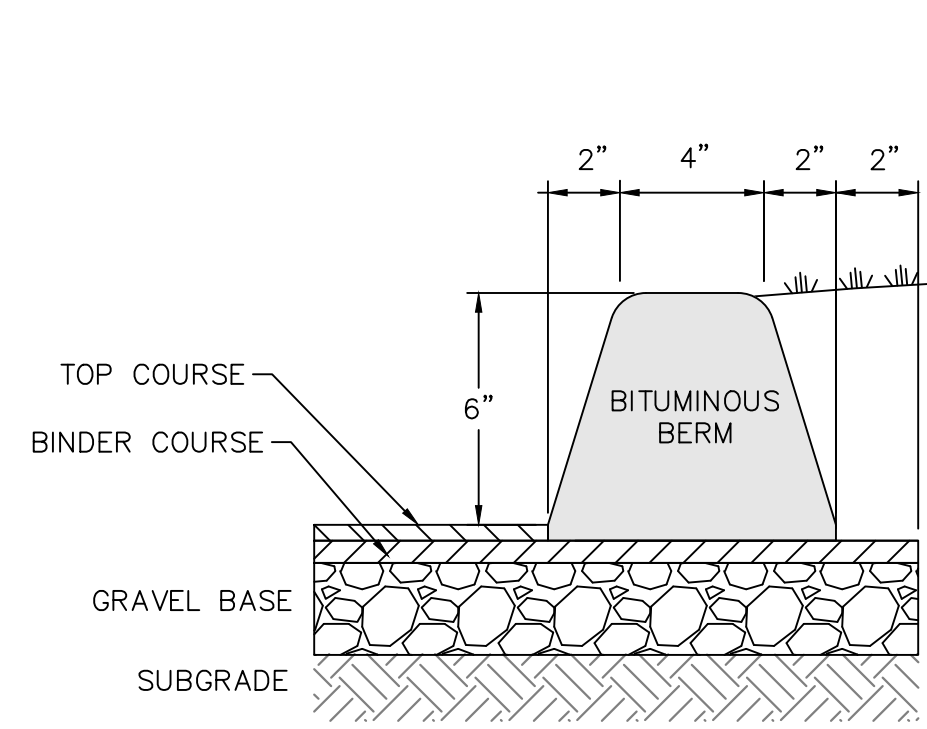
C102



HAY/STRAW BALE & SILT FENCE NTS

NOTE:

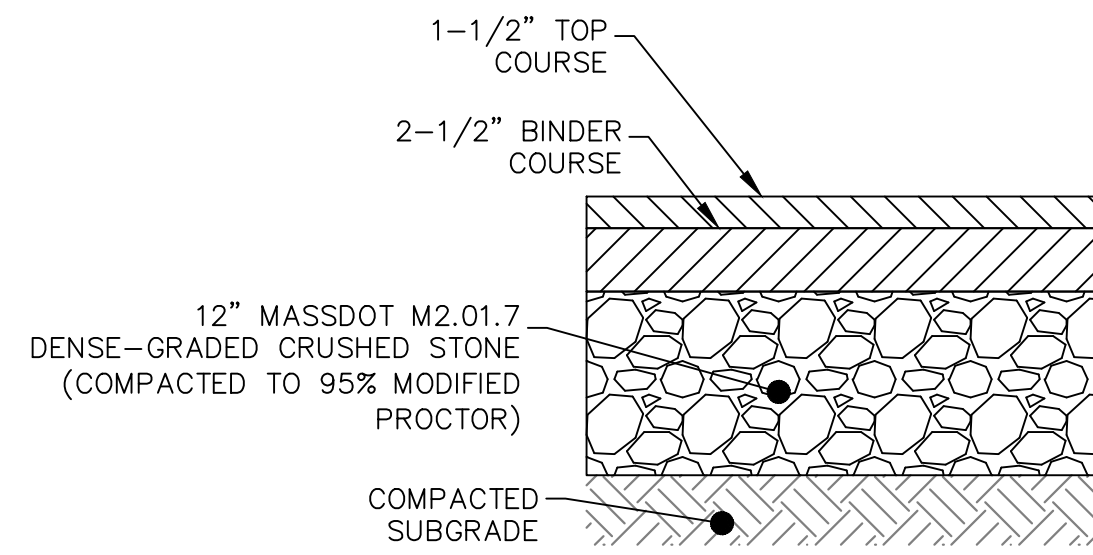
- 1) PROVIDE A 3' TO 6' LEVEL AREA BETWEEN THE HAY/STRAW BALE AND THE TOE OF ANY SLOPE TO PROVIDE AREA FOR SEDIMENT ACCUMULATION.



BITUMINOUS BERM-TYPE 3 NTS

NOTES:

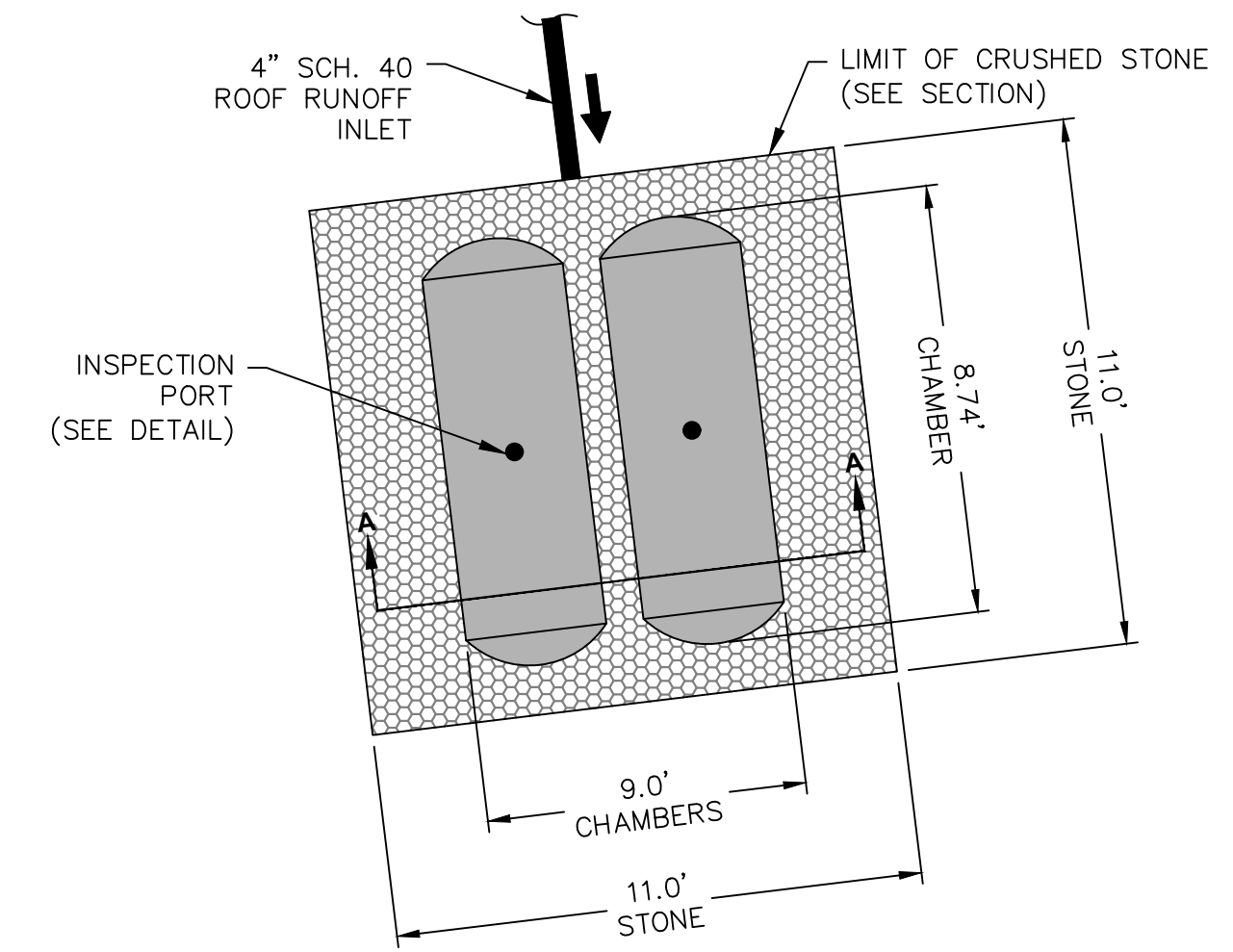
- 1) BERM SHALL BE LAID ON BINDER COURSE AND KEYED INTO TOP COURSE.
- 2) BERM ASPHALT: MASSDOT M3.11.03, TABLE A, "HMA DENSE MIX".



PAVEMENT SECTION-DRIVEWAY NTS

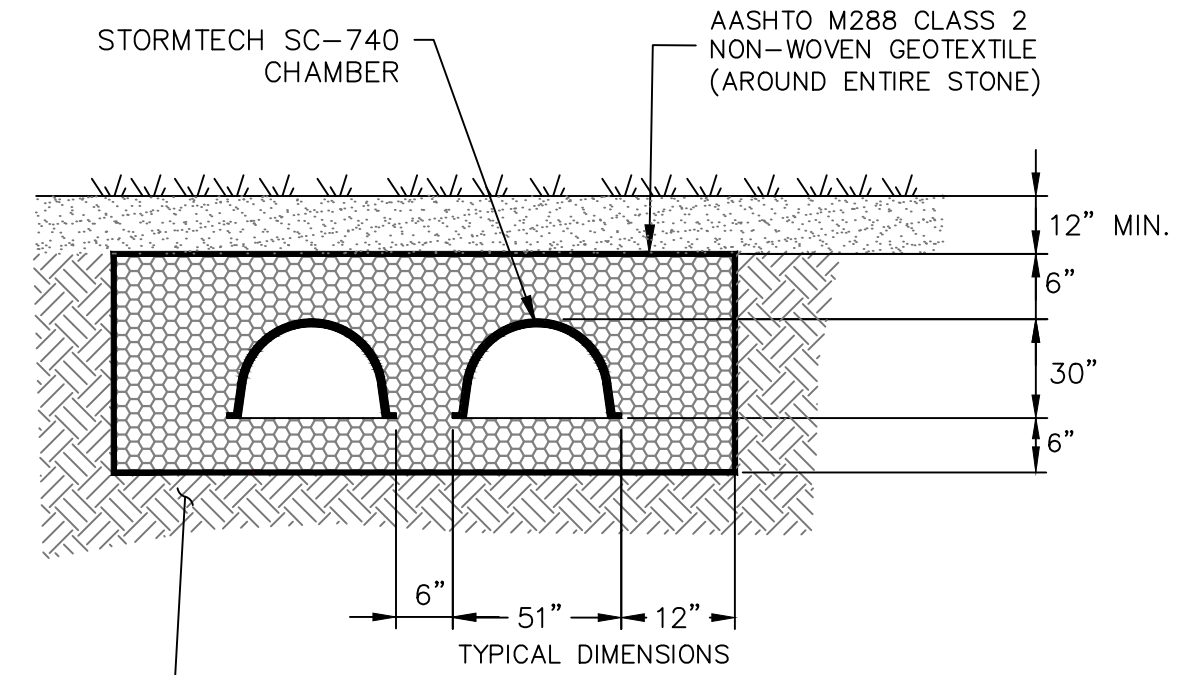
NOTES:

- 1) TAMP ALL ASPHALT EDGES THAT ABUT LAWN, LANDSCAPED AREA, OR OTHER SOFT SURFACE.
- 2) BINDER COURSE: - MASSDOT M3.11.03, TABLE A, "HMA INTERMEDIATE COURSE DENSE BINDER" OR SUPERPAVE INTERMEDIATE COURSE - 19.0MM (MIXTURE DESIGNATION SIC - 19.0).
- 3) TOP COURSE: - MASSDOT M3.11.03, TABLE A, "SURFACE COURSE STANDARD TOP" OR SUPERPAVE SURFACE COURSE - 12.5MM (MIXTURE DESIGNATION SSC - 12.5).



- 2) STORMTECH SC-740 CHAMBERS ARRANGED IN 2 ROWS OF 1 CHAMBERS EACH WITH END CAPS INSTALLED WITH 6" COVER STONE & 6" BASE STONE

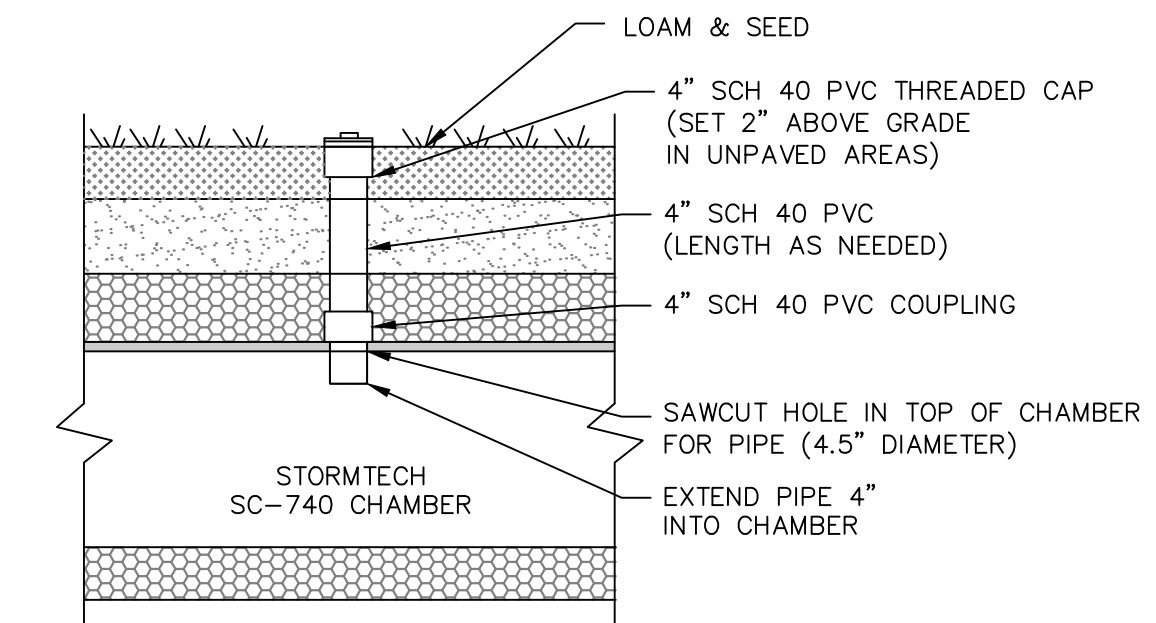
SYSTEM LAYOUT



SECTION A-A NTS

- COMPACTED NATIVE SUBGRADE OR WHERE FILL IS NEEDED USE GRANULAR WELL GRADED SOIL/AGGREGATE MIXTURES, <35% FINES, COMPACT IN 6" LIFTS TO 95% PROCTOR DENSITY. SEE MANUFACTURER'S INSTRUCTIONS FOR ACCEPTABLE FILL MATERIALS.

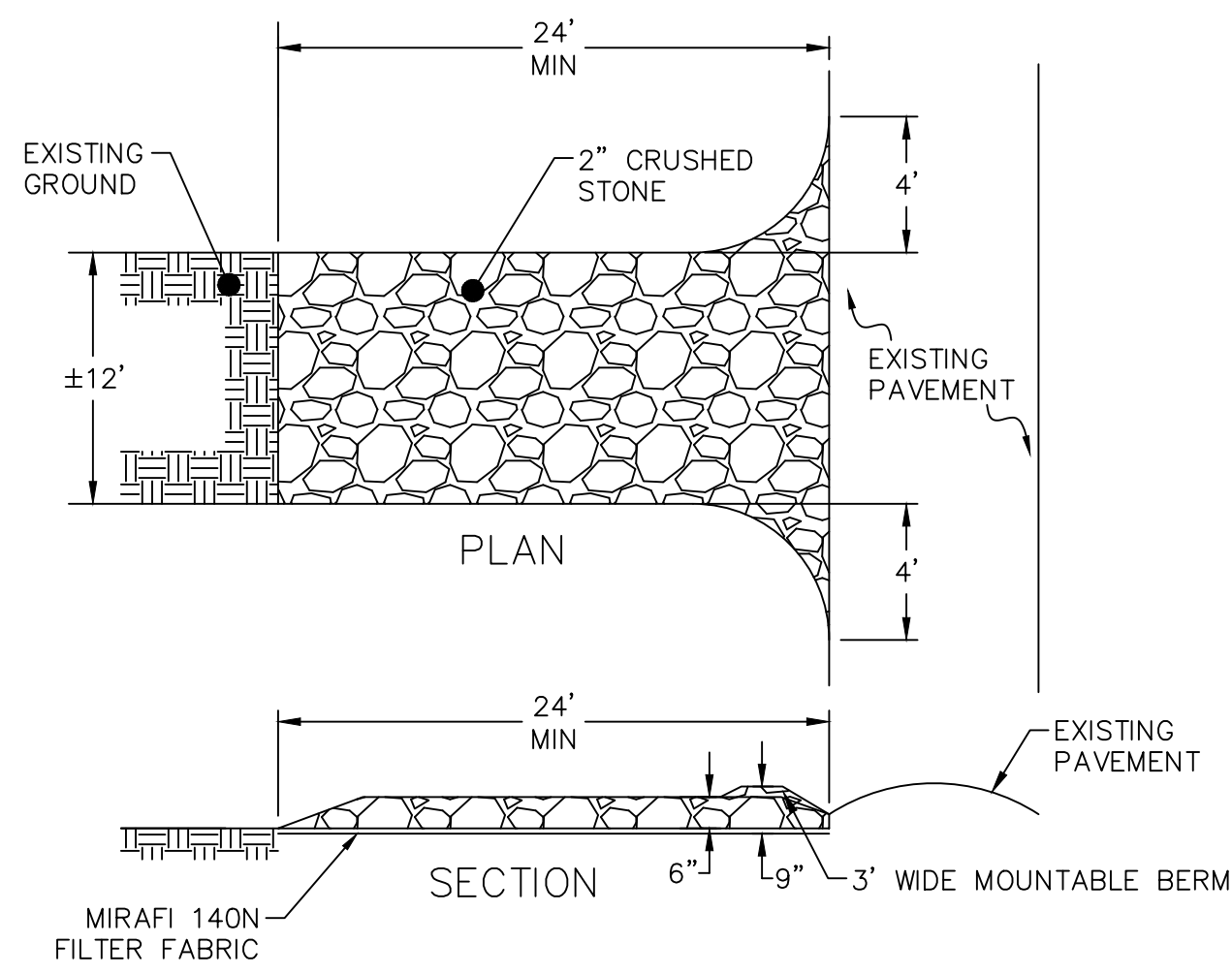
INSPECTION PORT NTS



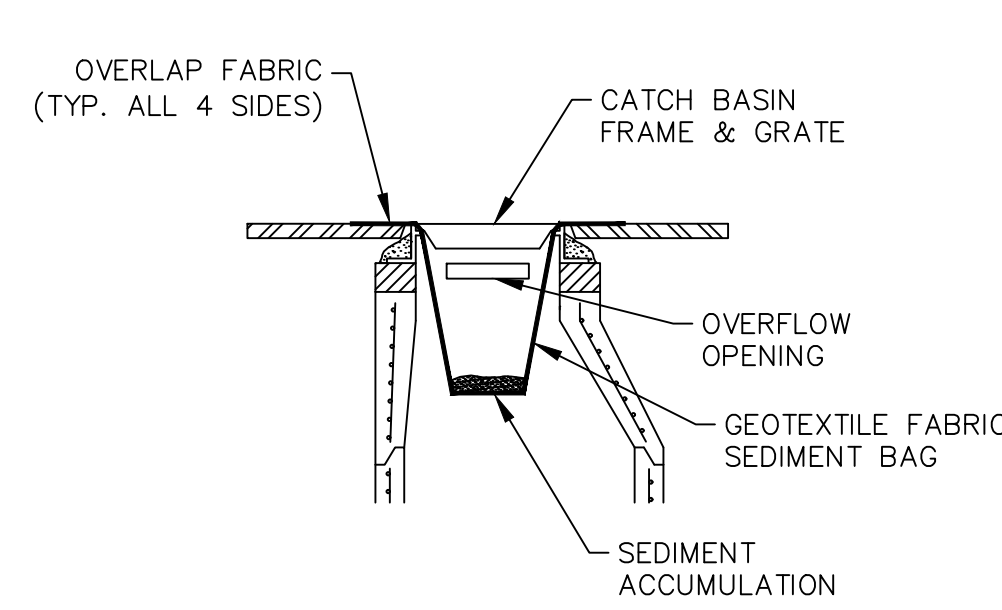
SUBSURFACE ROOF INFILTRATION SYSTEM NTS

NOTE:

- 1) ONSITE SOIL TESTING SHALL BE CONDUCTED PRIOR TO CONSTRUCTION AND WITNESSED BY THE ENGINEER.



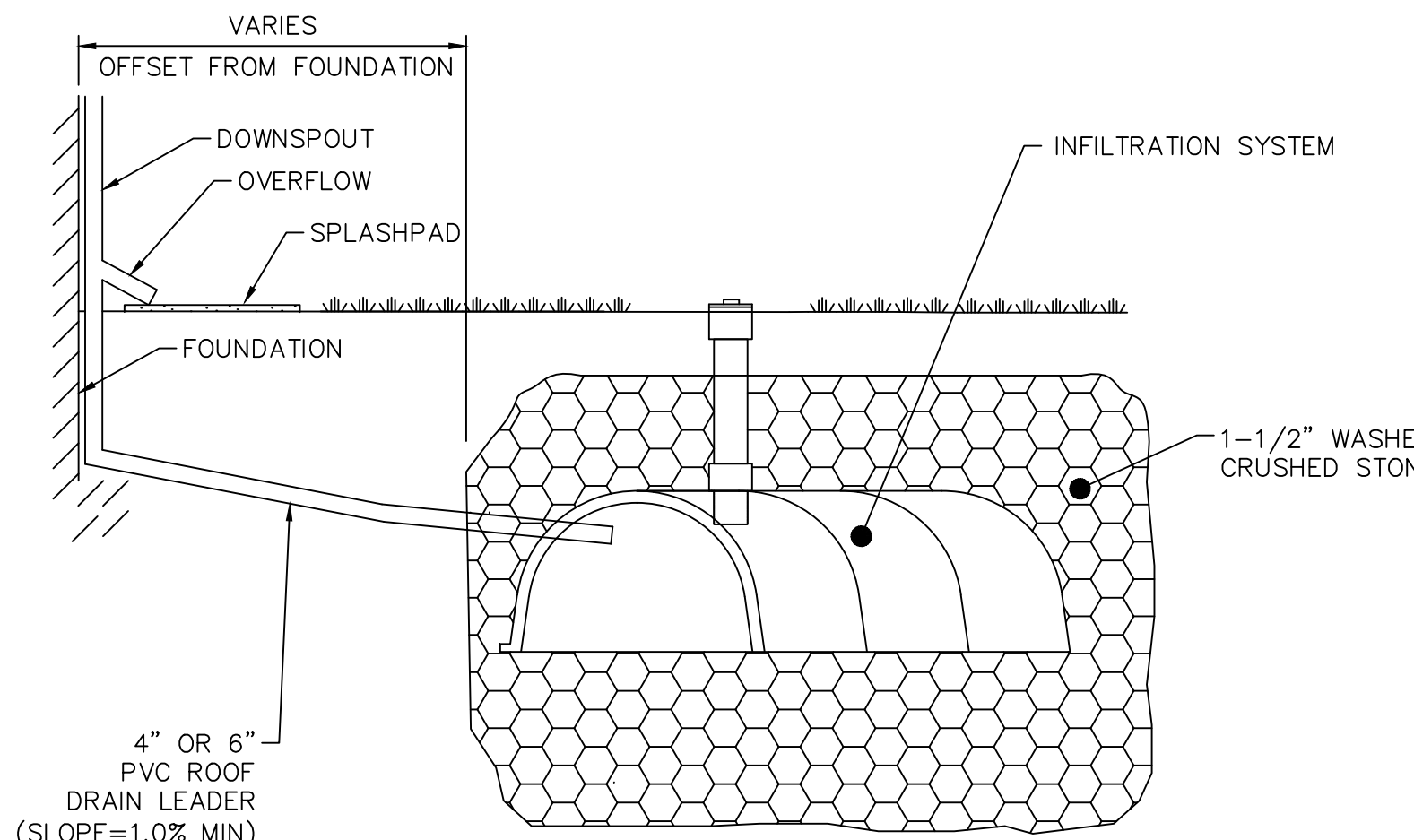
STABILIZED CONSTRUCTION ENTRANCE NTS



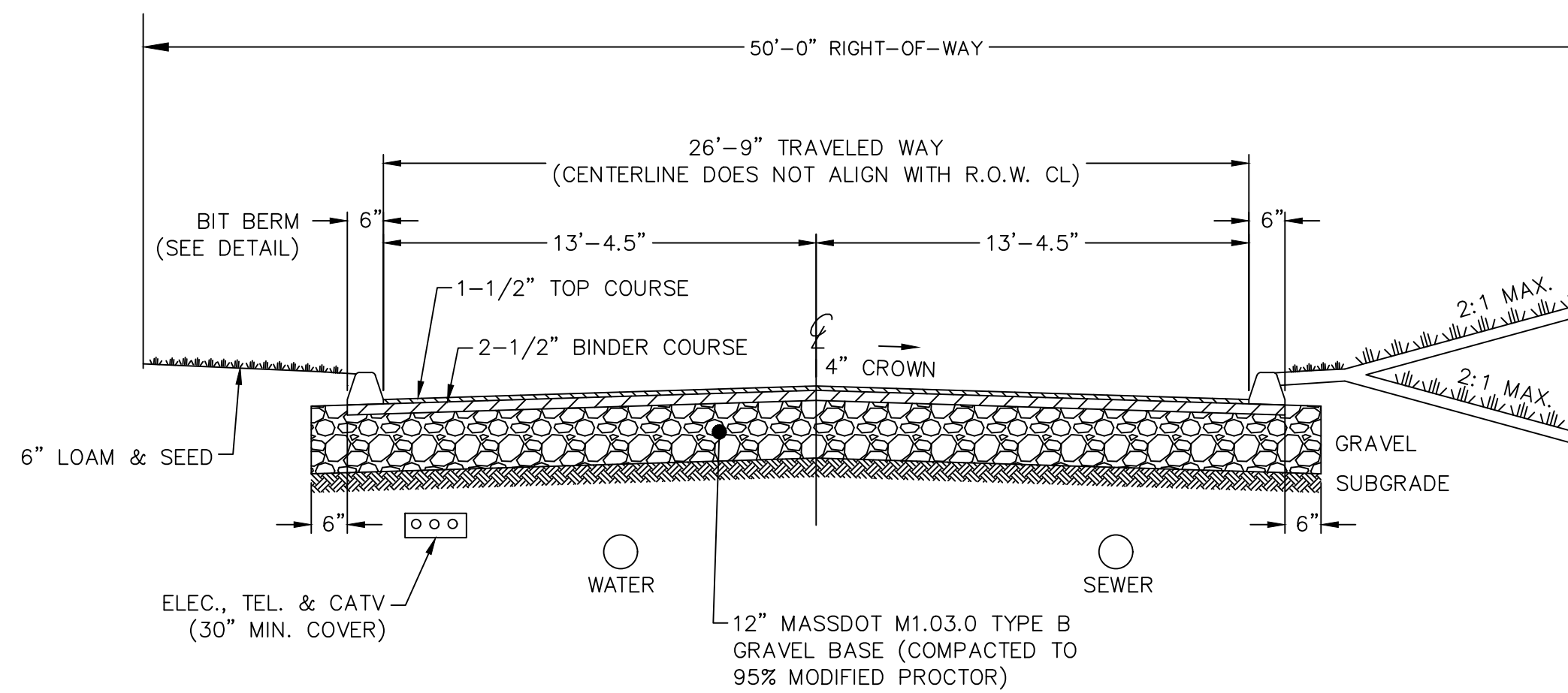
CATCH BASIN SEDIMENT BAG NTS

NOTES:

- 1) SEDIMENT BAG SHALL BE SILTSACK BY ACF ENVIRONMENTAL, OR APPROVED EQUAL.
- 2) OIL ABSORPTION MEDIUM MAY ALSO BE PLACED IN BAG (OPTIONAL).
- 3) INSTALL AND MAINTAIN PER MANUFACTURER'S INSTRUCTIONS.



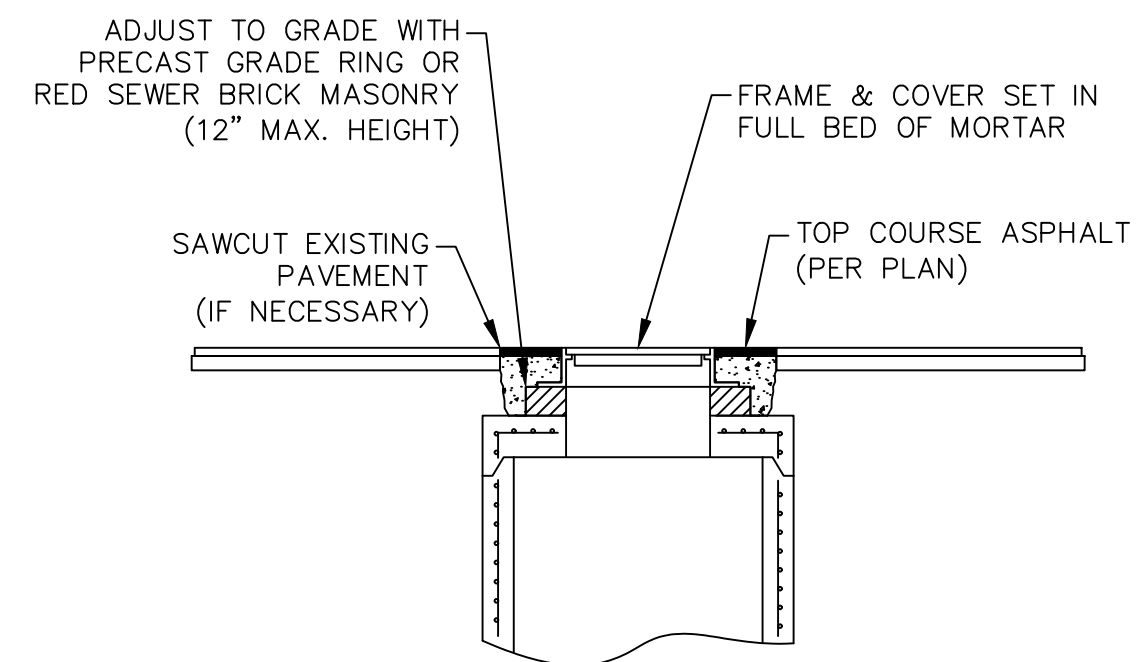
ROOF DRAIN OVERFLOW NTS



TYPICAL ROADWAY CROSS SECTION NTS

NOTES:

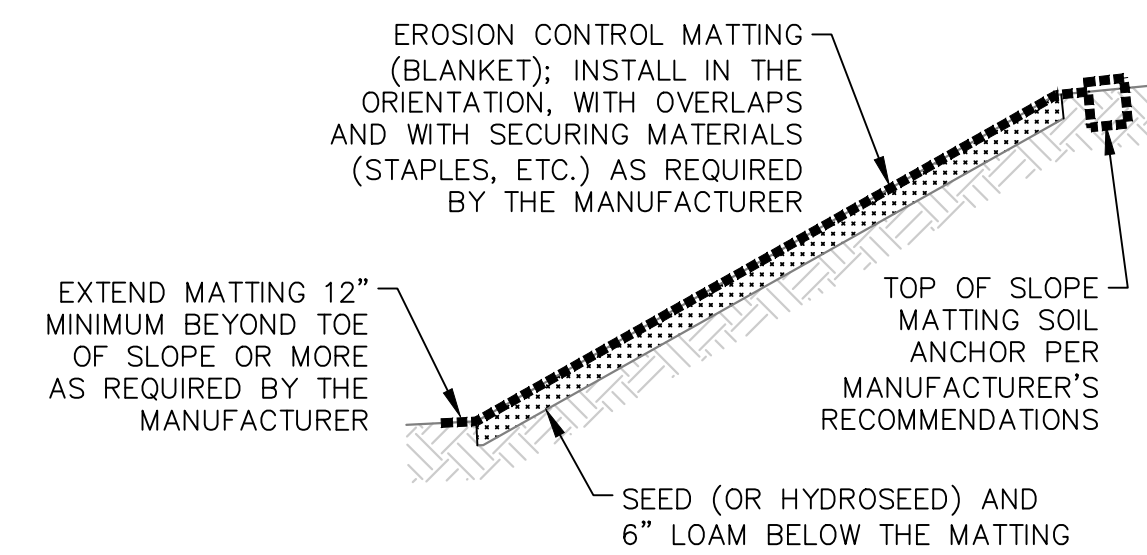
- 1) TAMP ALL ASPHALT EDGES THAT ABUT LAWN, LANDSCAPED AREA, OR OTHER SOFT SURFACE.
- 2) BINDER COURSE: - MASSDOT M3.11.03, TABLE A, "HMA INTERMEDIATE COURSE DENSE BINDER" OR SUPERPAVE INTERMEDIATE COURSE - 12.5MM, LEVEL 2 (MIXTURE DESIGNATION SIC - 12.5).
- 3) TOP COURSE: - MASSDOT M3.11.03, TABLE A, "SURFACE COURSE STANDARD TOP" OR SUPERPAVE SURFACE COURSE - 9.5MM, LEVEL 2 (MIXTURE DESIGNATION SSC - 9.5).



STRUCTURE ADJUSTMENT NTS

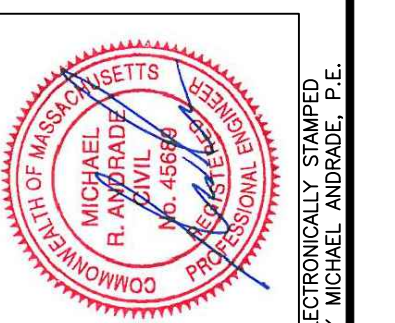
NOTES:

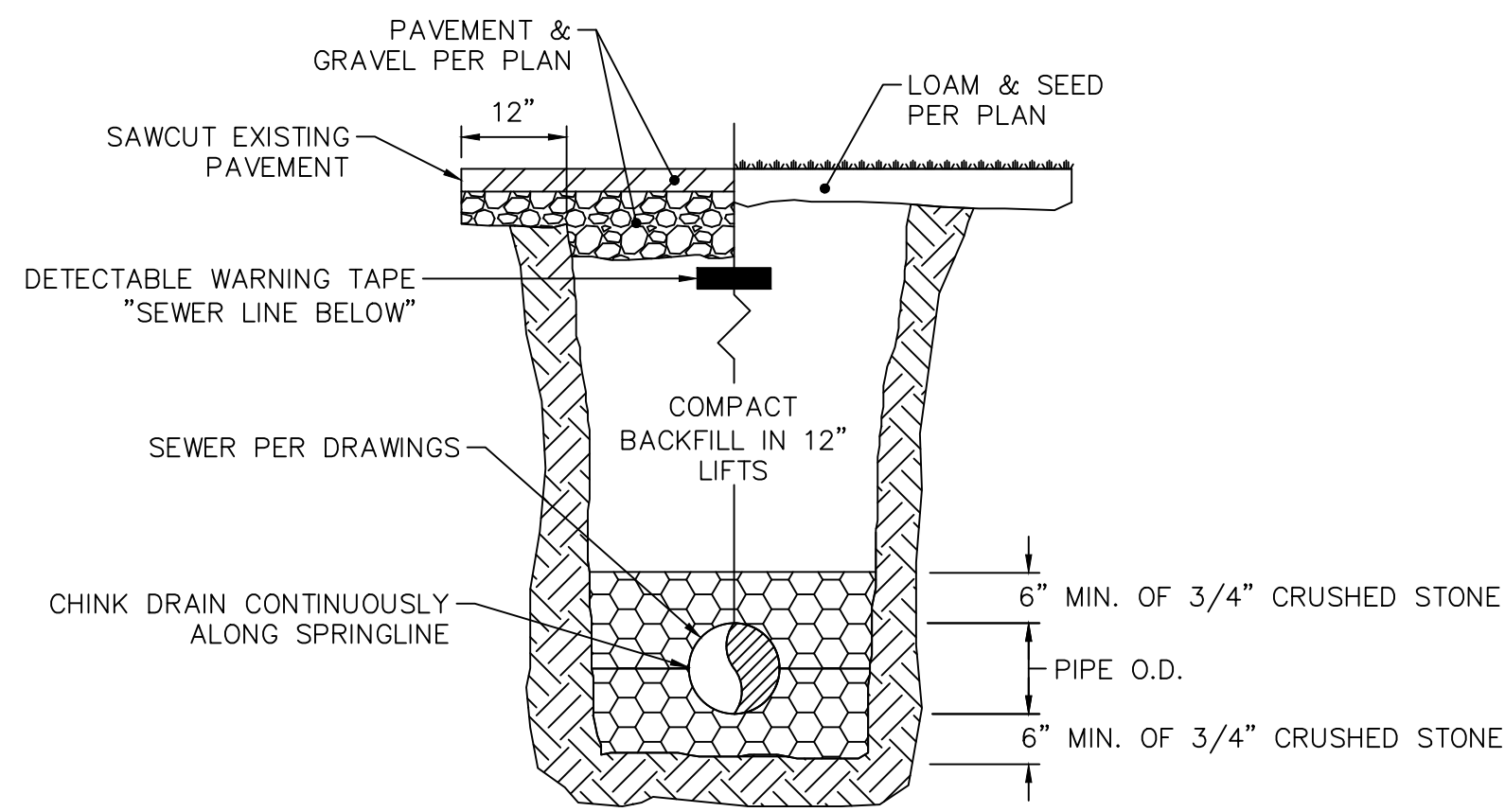
- 1) EROSION CONTROL MATTING (BLANKETS) SHALL BE INSTALLED ON ALL FINISHED SLOPES SHOWN EQUAL TO OR EXCEEDING A 3:1 SLOPE (33.5%).
- 2) INSTALLATION SHALL STRICTLY FOLLOW THE MANUFACTURER'S RECOMMENDATIONS AND INSTRUCTIONS.
- 3) UNLESS OTHERWISE SPECIFIED ON THE DRAWINGS FOR A PARTICULAR LOCATION AND APPLICATION, ACCEPTABLE EROSION CONTROL BLANKETS FOR GENERAL SLOPE STABILIZATION ARE: SC150 BY NORTH AMERICAN GREEN, CURLEX II BY AMERICAN EXCELSIOR COMPANY, OR LANDLOK C2 BY PROPEX (OR ENGINEER APPROVED EQUAL).



EROSION CONTROL BLANKET SLOPE STABILIZATION NTS

NO.	DATE	BY	DESCRIPTION	REVISIONS
1	12/20/23	ROM	ISSUED FOR PERMITTING	

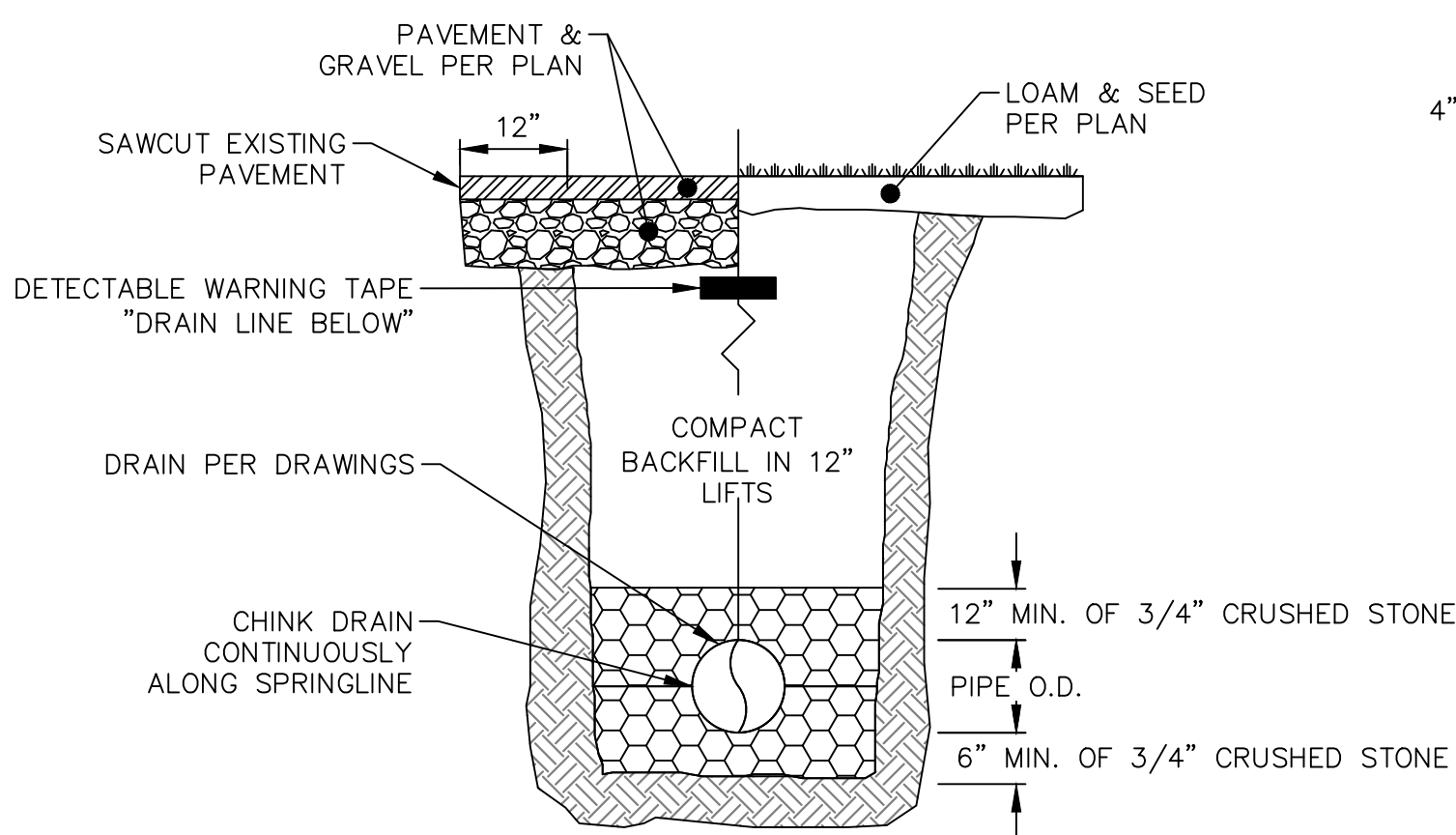




SEWER TRENCH SECTION NTS

NOTE:

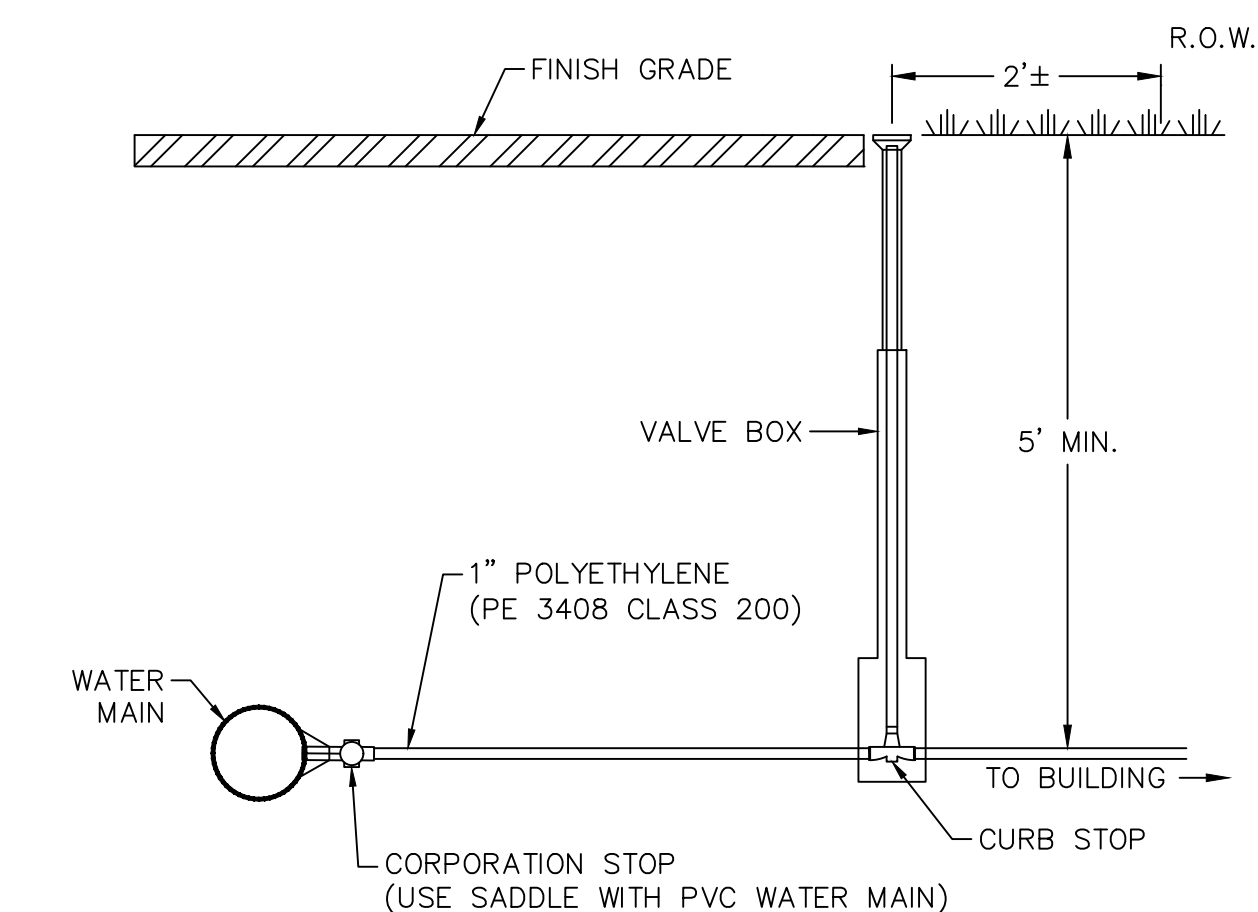
- 1) BACKFILL SHALL BE AN AASHTO CLASS III SOIL; EITHER TRENCH SPOILS OR AN IMPORTED SAND AND GRAVEL WITH FINES AND COMPACTED TO 90% OF THE PROCTOR DENSITY.



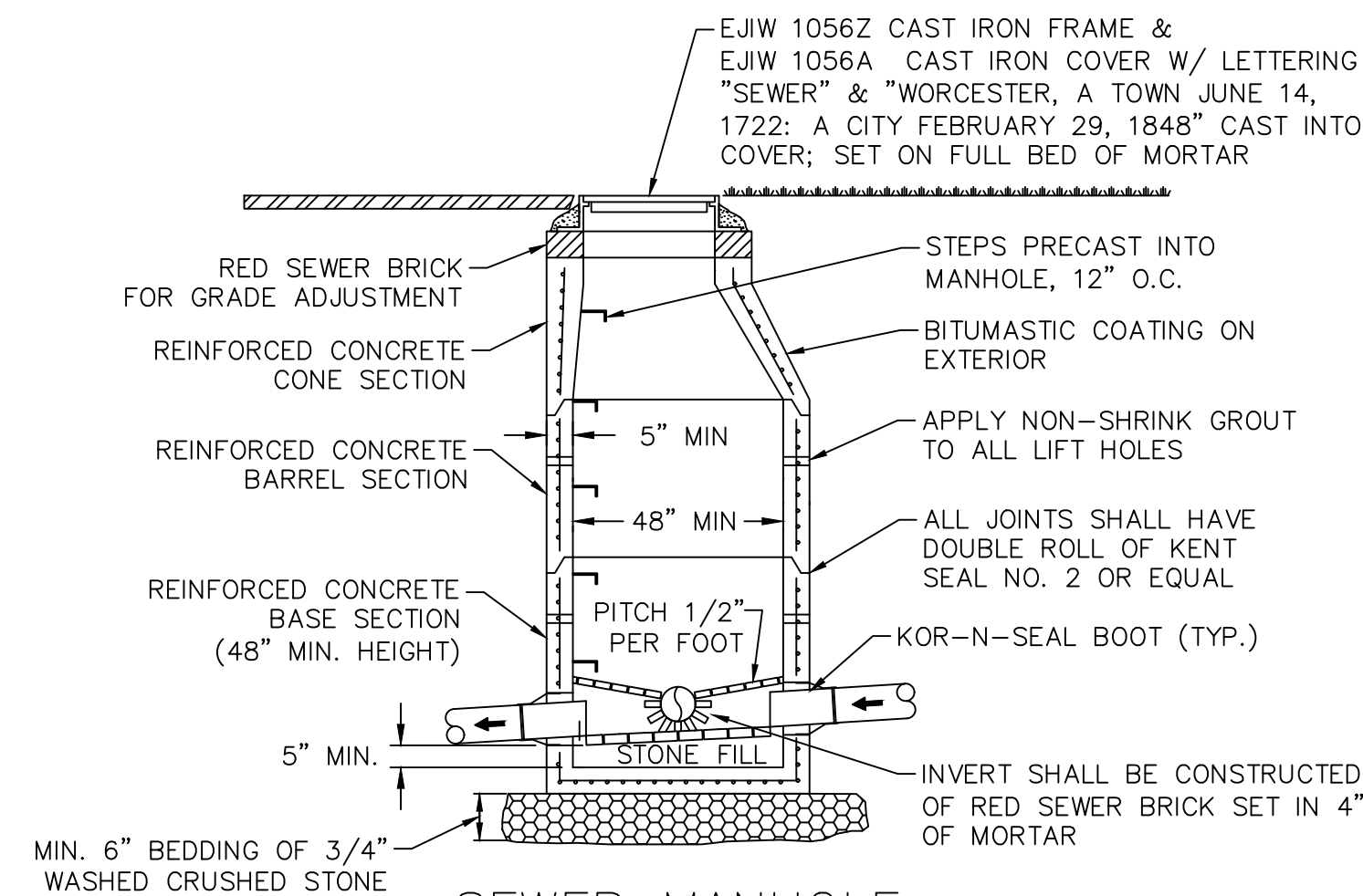
HDPE/PVC DRAIN TRENCH SECTION NTS

NOTES:

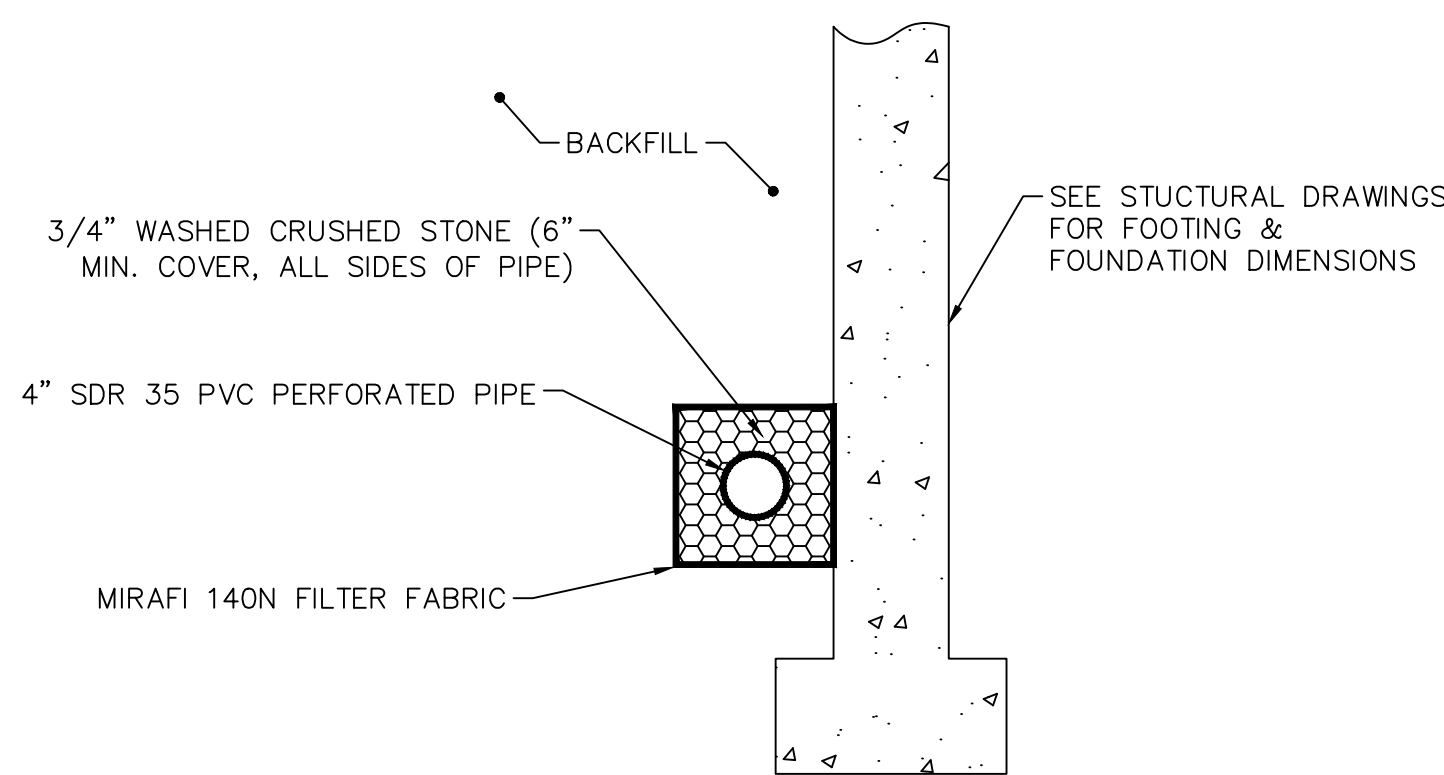
- 1) BACKFILL SHALL BE AN AASHTO CLASS III SOIL; EITHER TRENCH SPOILS OR AN IMPORTED SAND AND GRAVEL WITH FINES AND COMPACTED TO 90% OF THE PROCTOR DENSITY.
- 2) BACKFILL OF HDPE PIPE SHALL CONFORM TO ASTM D2321 AND/OR MANUFACTURER'S SPECIFICATIONS.



WATER SERVICE NTS



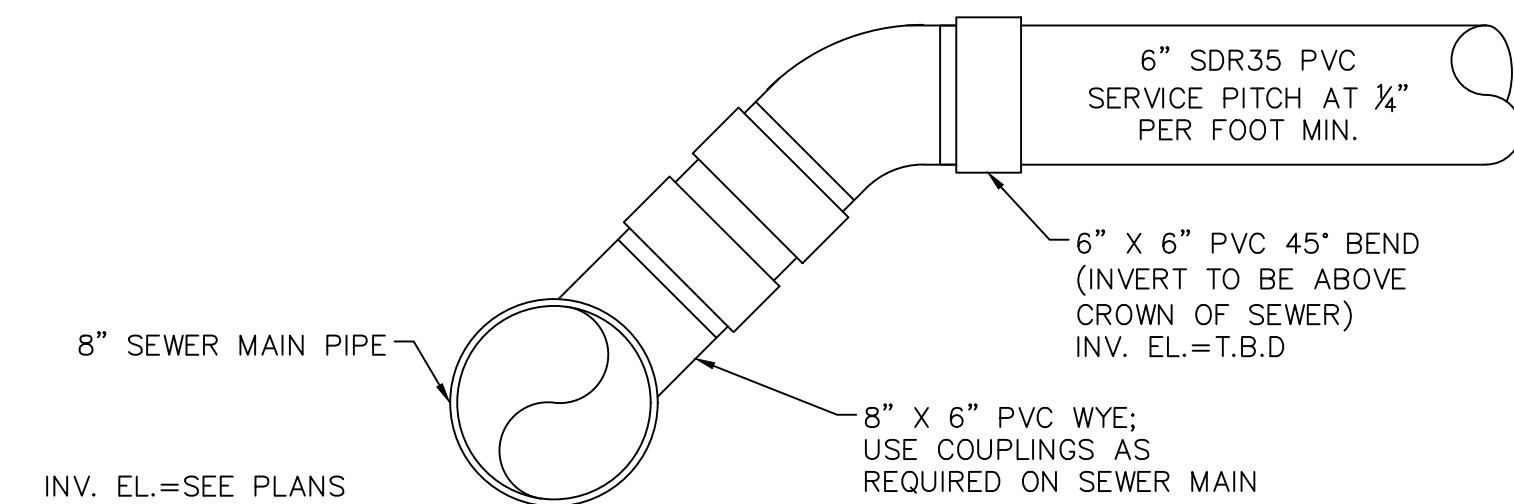
SEWER MANHOLE NTS



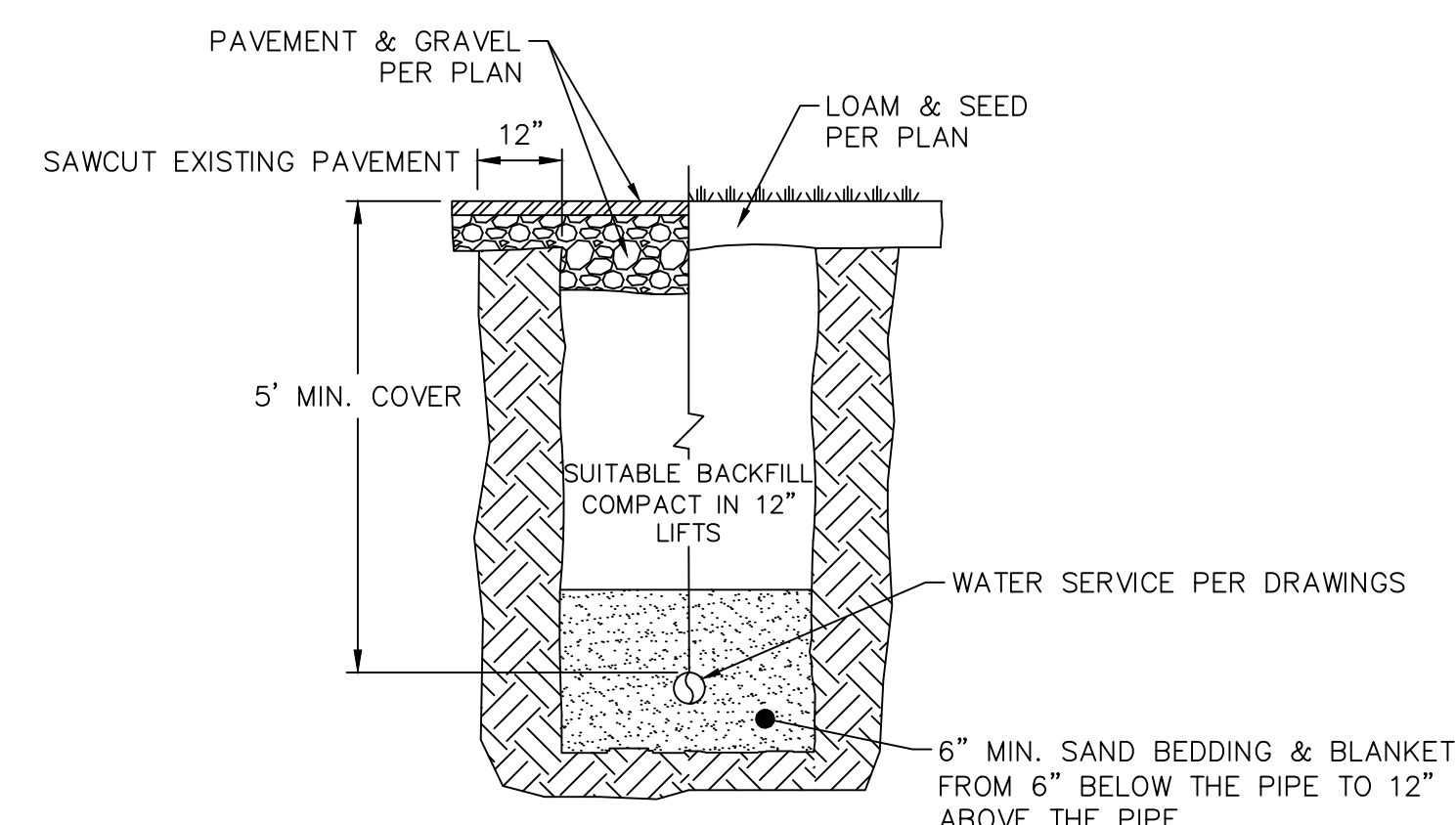
PERIMETER DRAIN DETAIL NTS

NOTE:

- 1) PERIMETER DRAIN ELEVATION VARIES.



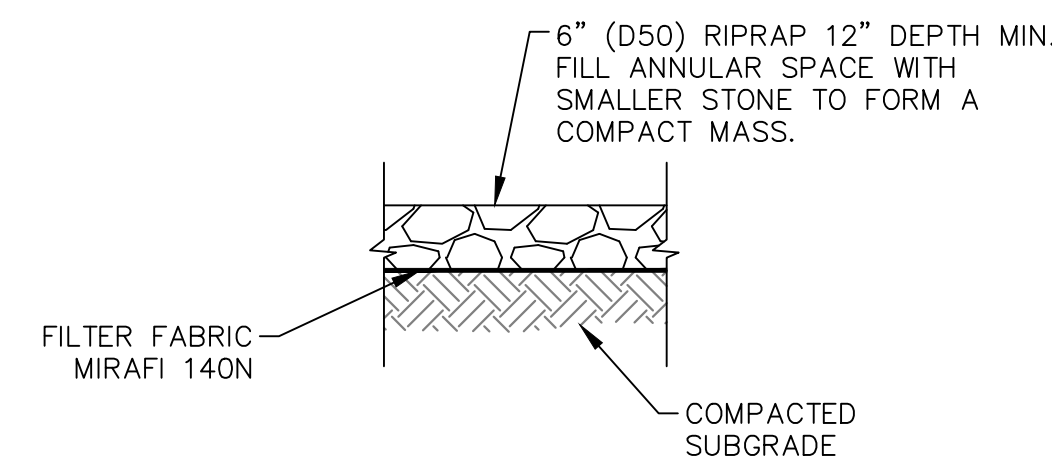
SEWER SERVICE CONNECTION DETAIL NTS



WATER SERVICE TRENCH SECTION NTS

NOTE:

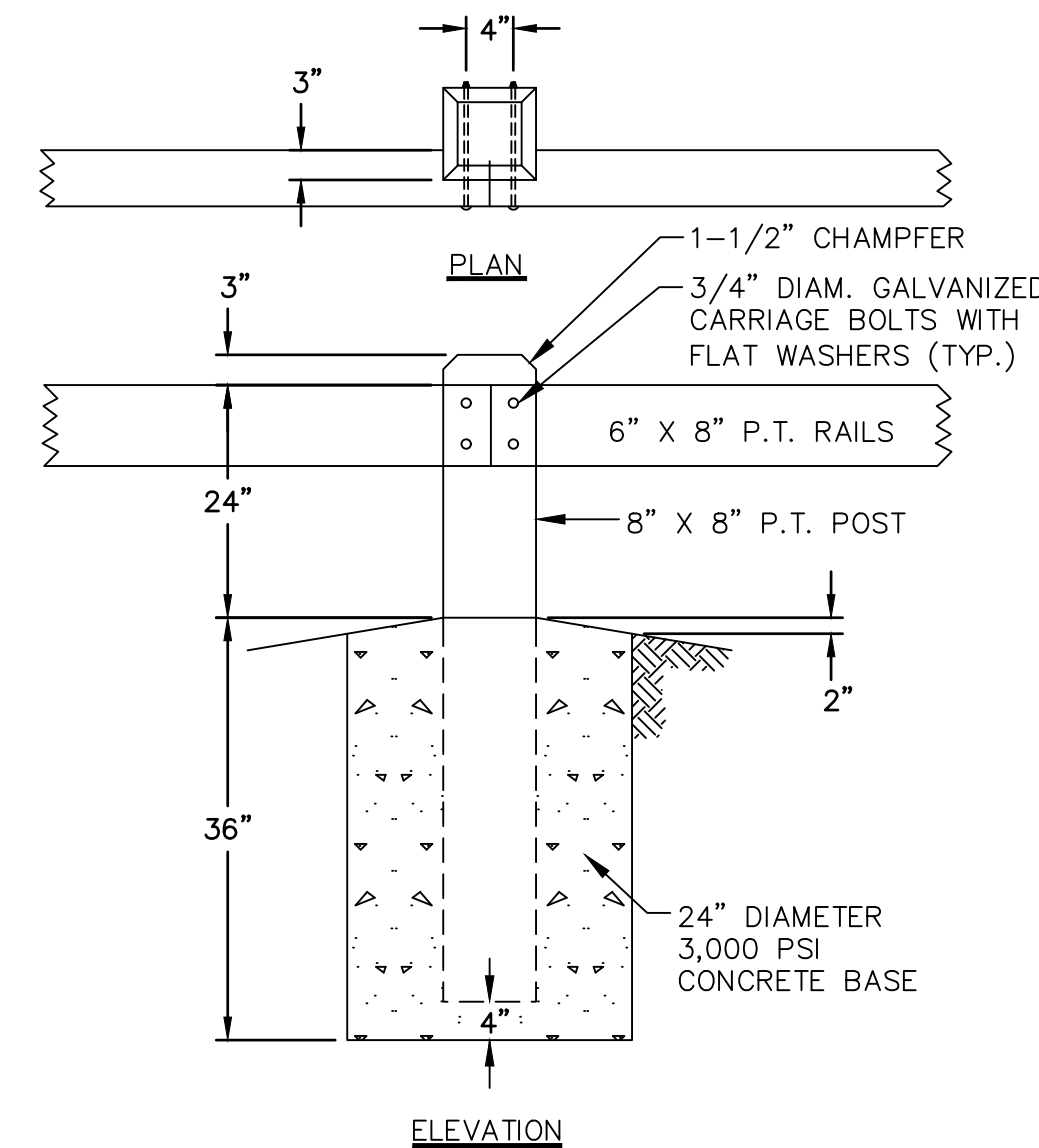
- 1) SUITABLE BACKFILL SHALL BE AN AASHTO CLASS III SOIL; EITHER TRENCH SPOILS OR AN IMPORTED SAND AND GRAVEL WITH FINES AND COMPACTED TO 90% OF THE PROCTOR DENSITY.



RIPRAP APRON SECTION NTS

NOTE:

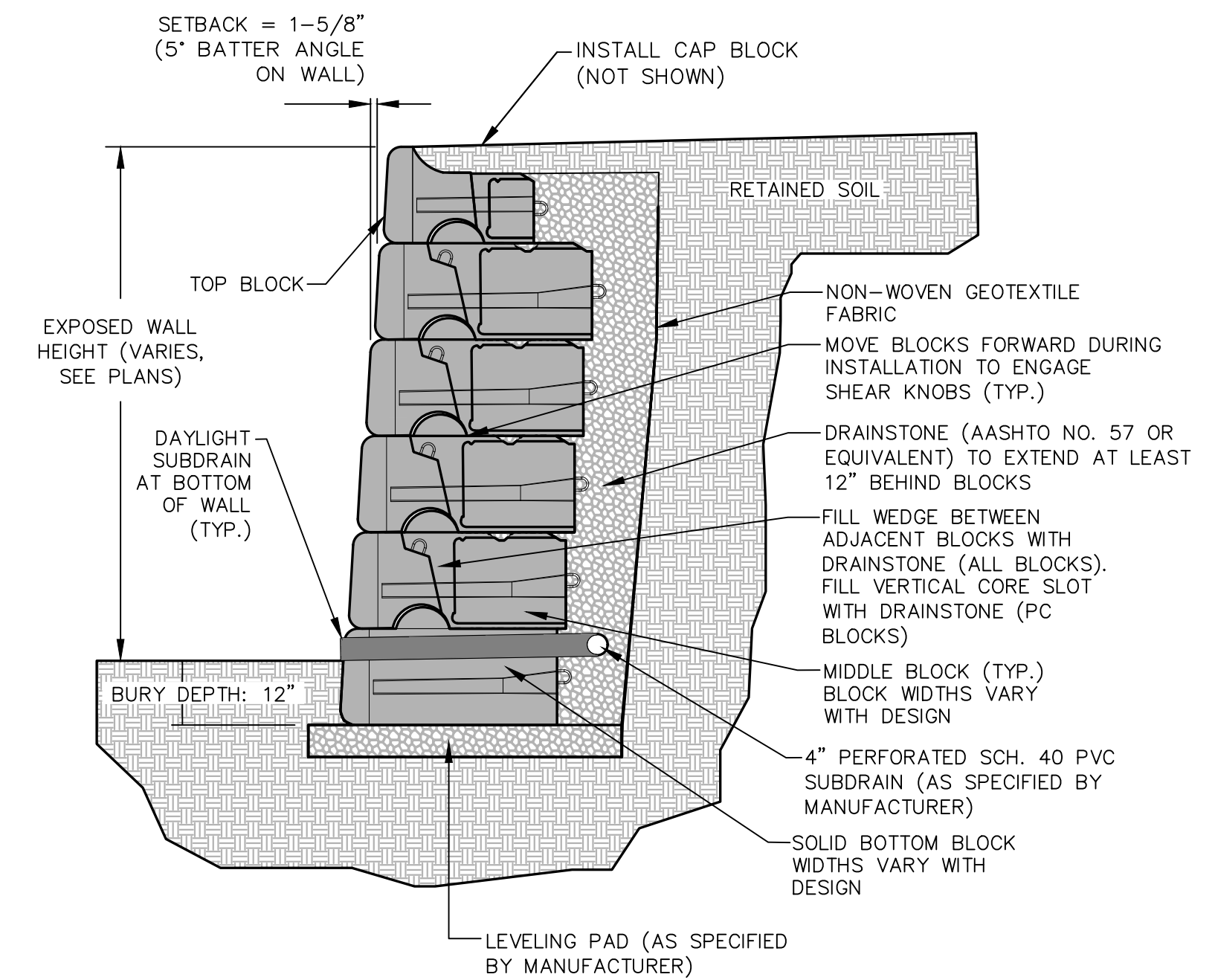
- 1) THIS DETAIL APPLIES TO ALL SPECIFIED RIPRAP APPLICATIONS.



WOOD GUARDRAIL NTS

NOTE:

- 1) POST SPACING SHALL BE 8'-0" ON CENTER.



TYPICAL GRAVITY-TYPE PRECAST CONCRETE MODULAR BLOCK RETAINING WALL SECTION NTS

NOTES:

- 1) BLOCK TEXTURE (FINISH) SHALL BE SIMILAR TO "LIMESTONE" BY REDI-ROCK INTERNATIONAL, LLC. AND BASED ON CONTRACTOR-SELECTED WALL MANUFACTURER.
- 2) BLOCK COLOR SHALL BE GRAY.
- 3) CONTRACTOR IS RESPONSIBLE FOR WALL MANUFACTURER'S COST OF PREPARING STRUCTURAL ENGINEERING DRAWINGS.
- 4) DESIGN SUBJECT TO CHANGE BASED ON STRUCTURAL ENGINEER-PREPARED DRAWINGS AND OWNER MATERIAL SELECTIONS.

STORMCEPTOR DESIGN NOTES

THE STANDARD STC450I CONFIGURATION WITH ROUND, SOLID FRAME AND COVER, AND INLET PIPE IS SHOWN. ALTERNATE CONFIGURATIONS ARE AVAILABLE AND ARE LISTED BELOW. SOME CONFIGURATIONS MAY BE COMBINED TO SUIT SITE REQUIREMENTS.

CONFIGURATION DESCRIPTION	
GRADED INLET ONLY (NO INLET PIPE)	
GRADED INLET WITH INLET PIPE OR PIPES	
CURB INLET ONLY (NO INLET PIPE)	
CURB INLET WITH INLET PIPE OR PIPES	

SITE SPECIFIC DATA REQUIREMENTS			
STRUCTURE ID			
WATER QUALITY FLOW RATE (GAL/HR)			
PEAK FLOW RATE (GAL/HR)			
RETURN PERIOD OF PEAK FLOW (yrs)			
RIM ELEVATION			
PIPE DATA:			
INLET PIPE 1	INVERT	MATERIAL	DIAMETER
INLET PIPE 2			
OUTLET PIPE			

GENERAL NOTES

- 1) CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
- 2) FOR SITE SPECIFIC DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHT, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE: www.conteches.com
- 3) STORMCEPTOR WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING. CONTRACTOR TO CONFIRM STRUCTURE MEETS REQUIREMENTS OF PROJECT.
- 4) STORMCEPTOR STRUCTURE SHALL MEET AASHTO H20-10-44 LOAD RATING, ASSURING EARTH COVER OF 2' ±, 2' 10" AND GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. 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.
- 5) STORMCEPTOR STRUCTURE SHALL BE PRECAST CONCRETE CONFORMING TO ASTM C493 AND AASHTO LOAD FACTOR DESIGN METHOD.
- 6) ALTERNATE UNITS ARE SHOWN IN MILLIMETERS (mm).

INSTALLATION NOTES

- A) ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
- B) CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE STORMCEPTOR MANHOLE STRUCTURE.
- C) CONTRACTOR TO INSTALL JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS AND ASSEMBLE STRUCTURE.
- D) CONTRACTOR TO PROVIDE, INSTALL, AND GROUT INLET AND OUTLET PIPES. MATCH PIPE INVERTS WITH ELEVATIONS SHOWN. ALL PIPE CENTERLINES TO MATCH PIPE OPENING CENTERLINES.
- E) 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.

FRAME AND COVER (MAY VARY) NOT TO SCALE

FRAME AND GRATE (MAY VARY) NOT TO SCALE

CONTECH ENGINEERED SOLUTIONS LLC
 8025 Curtis Park Dr., Ste. 200, West Grove, OH 45068
 614.441.1122 | 614.441.7000 | 614.441.7800 FAX

STC450I STORMCEPTOR STANDARD DETAIL

CB-1 - WATER QUALITY UNIT NTS

NO.	DATE	BY	DESCRIPTION	REVISIONS
1	12/20/23	ROM	ISSUED FOR PERMITTING	

