

SITE PLAN FOR SHELDON MEADOW 20 HANCOCK STREET WRENTHAM, MA 02093

TOWN OF WRENTHAM – PLANNING BOARD	
SIGNATURE	DATE

HOWARD STEIN HUDSON
114 Turnpike Road, Suite 2C
Chelmsford, MA 01824
www.hshassoc.com

PREPARED FOR:
SHELDON MEADOW, LLC.
480 TURNPIKE STREET
SOUTH EASTON, MA 02375

SHELDON MEADOW
20 HANCOCK STREET
WRENTHAM, MA 02093
NORFOLK COUNTY

GENERAL NOTES:

1. EXISTING PROPERTY LINE AND UTILITY INFORMATION SHOWN IS BASED ON AN EXISTING SURVEY CONDUCTED BY WSP, USA DATED FEBRUARY 14, 2020, AND REVISED APRIL 20, 2021.
2. WETLAND FLAGS SHOWN HEREON WERE DELINEATED BY WILLIAMS & SPARAGES ON JANUARY 8, 2020, AND REVISED ON MARCH 24, 2021. WETLAND FLAGS FIELD LOCATED BY WSP, USA ON MARCH 29, 2021.
3. THE ACCURACY AND COMPLETENESS OF THE UNDERGROUND UTILITIES AS SHOWN ON THE PLANS ARE NOT GUARANTEED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATION, SIZE, TYPE, ETC. OF ALL UNDERGROUND UTILITIES THAT MAY BE AFFECTED BY THE WORK. AT LEAST 72 HOURS BEFORE EXCAVATION, THE CONTRACTOR SHALL BE REQUIRED TO CONTACT DIGSAFE AT 1-888-344-7233.
4. THE CONTRACTOR SHALL FIELD VERIFY CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION AND REPORT ANY DISCREPANCIES TO THE ENGINEER.
5. WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATION, AND SIZE OF THE UTILITY SHALL BE APPROPRIATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR AND THE INFORMATION FURNISHED TO THE ENGINEER FOR RESOLUTION.
6. ALL UTILITY COMPANIES, PUBLIC AND PRIVATE, MUST BE NOTIFIED, INCLUDING THOSE IN CONTROL OF UTILITIES NOT SHOWN ON THIS PLAN, PRIOR TO EXCAVATING, BLASTING, INSTALLING, BACKFILLING, GRADING, PAVEMENT RESTORATION OR REPAVING.
7. THE CONTRACTOR SHALL MAINTAIN ALL EXISTING UTILITIES EXCEPT THOSE NOTED TO BE ABANDONED, REMOVED, OR DISPOSED.
8. THE CONTRACTOR SHALL DISPOSE OF ALL WASTE MATERIAL IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REQUIREMENTS AT HIS/HER OWN EXPENSE, OUTSIDE OF THE PROJECT LIMITS.

OWNER

JOHN HASENJAEGER
23 PINNACLE DRIVE
EAST WALPOLE, MA 02032

APPLICANT

SHELDON MEADOW, LLC
480 TURNPIKE STREET
SOUTH EASTON, MA 02375

ASSESSORS INFORMATION

ASSESSORS MAP G-03 BLOCK 1 LOT 19

REFERENCES

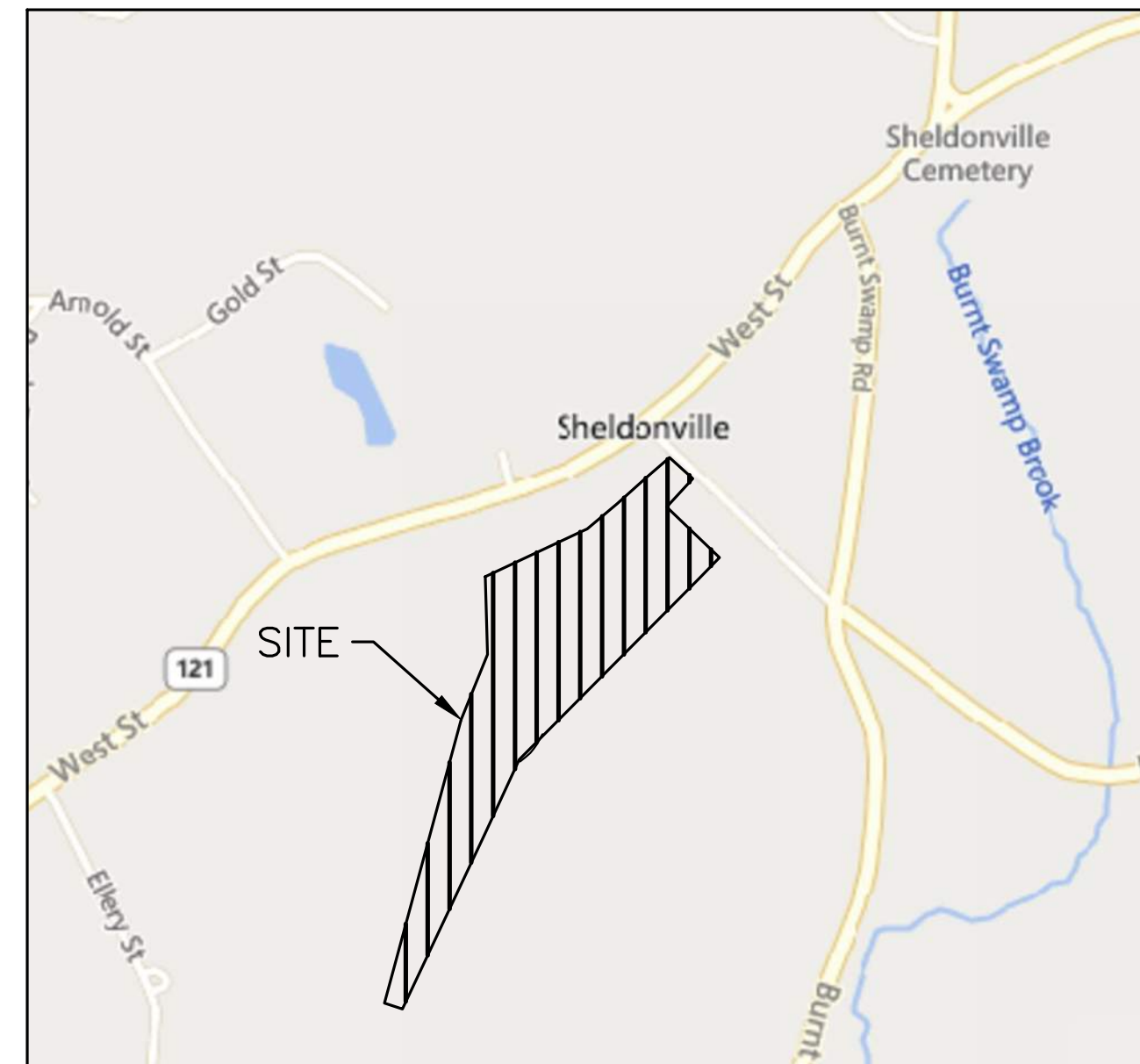
1. EXISTING CONDITIONS SURVEY BY WSP DATED 2-14-2020 REVISED THROUGH 4-20-2021.

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SITE PLAN AND SPECIAL PERMITS REQUIRED

1. ARTICLE 13.5 – SENIOR LIVING COMMUNITY
2. ARTICLE 14 – EARTH REMOVAL
3. ARTICLE 5 – WATERSHED PROTECTION DISTRICT



LOCUS MAP
1"=800'

PROJECT TEAM

APPLICANT

SHELDON MEADOW, LLC
480 TURNPIKE STREET
SOUTH EASTON, MA 02375

CIVIL ENGINEER

HOWARD STEIN HUDSON
114 TURNPIKE RD, SUITE 2C
CHELMSFORD, MA 01824

SURVEYOR

WSP, USA, LLC
9 EXECUTIVE PARK DRIVE
SUITE 101
MERRIMACK, NH 03054

WETLAND SCIENTIST

GREGORY HOCHMUTH
WILLIAMS & SPARAGES
189 NORTH MAIN STREET
MIDDLETON, MA 01949

ARCHITECT

LAGRASSE YANOWITZ & FEYL ARCHITECTS
1 ELM SQUARE
ANDOVER, MA 01810

LANDSCAPE ARCHITECT

JAMES K. EMMANUEL ASSOCIATES
22 CARLTON ROAD
MARBLEHEAD MA 01945

LIGHTING CONSULTANT

REFLEX LIGHTING
7 TIDE STREET
BOSTON, MA 02210

ZONING REQUIREMENTS

ZONING DISTRICT: R-87 (AGRICULTURAL AND RESIDENTIAL)
OVERLAY DISTRICT: WATERSHED PROTECTION DISTRICT
SPECIAL REQUIREMENTS: SENIOR LIVING COMMUNITY (SLC)
DIMENSIONAL REQUIREMENTS:

	REQUIREMENT	PROPOSED
TOTAL LAND AREA (SLC)	871,200 (20 AC)	878,327 SF (20.4 AC)
DEVELOPABLE SITE AREA	-	277,307 SF (6.4 AC)
CONTINUOUS LOT FRONTAGE (SLC)	100 FT	135± FT
MINIMUM FRONT YARD (SLC)	30 FT	290± FT
MINIMUM SIDE YARD (SLC)	30 FT	53± FT
MINIMUM REAR YARD (SLC)	30 FT	1,814± FT
SITE COVERAGE OF BUILDINGS	<35%	4%±
USABLE OPEN SPACE*	>30%	40%±
IMPERVIOUS AREA	-	109,809 SF
IMPERVIOUS AREA/TOTAL LAND AREA	-	0.125
MAXIMUM STORIES (SLC)	2	2
MAXIMUM BUILDING HEIGHT (SLC)	28 FT	23'-8"
MAXIMUM DENSITY	4 UNITS/ACRE	0.78 UNITS/ACRE
AVG DISTANCE BETWEEN UNITS	15 FT	20.0 FT

*NO MORE THAN 25% OF THE MINIMUM REQUIRED COMMON OPEN SPACE SHALL BE WETLANDS

TOTAL SITE AREA	= 878,327 S.F.
TOTAL WETLANDS ON SITE	= 445,672 S.F.
TOTAL NON-OPEN SPACE**	= 145,385 S.F.
REQUIRED OPEN SPACE	= 878,327 * 30%
	= 263,498 S.F.
REQUIRED UPLAND	= 263,498 * 75%
	= 197,624 S.F.
ALLOWABLE WETLANDS	= 263,498 * 25%
	= 65,875 S.F.
OPEN SPACE	= 878,327 - (445,672 + 145,385)
	= 287,270 S.F.
TOTAL OPEN SPACE	= 287,270+ 65,875
	= 353,145 S.F.
	= 353,145 / 878,327
	= 100 * 0.40
	= 40%

** TOTAL OF BUILDING, PAVEMENT, SWALE, AND INFILTRATION BASIN.

PARKING REQUIREMENTS

SINGLE FAMILY OR COTTAGE STYLE DWELLING: TWO (2) SPACES PER UNIT
GUEST PARKING: ONE (1) SPACE PER TWO (2) UNITS OR THREE (3) BEDS
REQUIRED PARKING SPACES:

16 UNITS x 2 SPACES/UNIT = 32 SPACES
16 UNITS x 1 SPACE PER 2 UNITS = 8 SPACES
TOTAL PARKING SPACES REQUIRED: 32 SPACES + 8 SPACES
= 40 PARKING SPACES REQUIRED
PARKING SPACES PROVIDED: (SEE BREAK DOWN)
= 77 PARKING SPACES PROVIDED

TYPE	REQ.	PROP.
UNIT GAR. SPACES		32
UNIT EXTERIOR SPACES	32	20
SHARED/GUEST PARKING	8	25
TOTAL PARKING	40	77

REVISIONS:

NO	BY	DATE	DESCRIPTION
1	KL	9/13/22	PEER REVIEW



SITE PLAN

COVER SHEET

DATE:	APRIL 11, 2022
PROJECT NUMBER:	19227.01
DESIGNED BY:	KL/MB
DRAWN BY:	KL/MB/NC
CHECKED BY:	KE

C1.1

EROSION CONTROL PLAN NOTES:

- 1. REMOVAL OF EXISTING STRUCTURES SHALL INCLUDE ALL EXISTING PAVEMENT, FOOTINGS, AND UTILITY CONNECTIONS.
2. IT IS THE RESPONSIBILITY OF THE CHOSEN CONTRACTOR TO ENSURE ALL STORMWATER INLETS DOWNSTREAM OF CONSTRUCTION ARE FITTED WITH TEMPORARY INLET PROTECTION.
3. ALL EXISTING DOWN GRADIENT CATCH BASINS AND ALL PROPOSED CATCH BASINS AND MANHOLES SHALL BE FITTED WITH INLET PROTECTIONS DURING CONSTRUCTION AS TO MINIMIZE EROSION AND SEDIMENTATION WITHIN THE PROPOSED STORMWATER MANAGEMENT SYSTEM.
4. ALL EXISTING SITE FEATURES NOT PROPOSED TO BE REMOVED SHALL BE PROTECTED DURING CONSTRUCTION TO THE MAXIMUM EXTENT FEASIBLE. ANY DAMAGE SHALL BE REPAIRED TO THE EXISTING CONDITION.
5. EROSION AND SEDIMENT CONTROL MEASURES MUST BE INSTALLED PRIOR TO THE START OF CONSTRUCTION AND MAINTAINED AND UPGRADED AS NECESSARY DURING CONSTRUCTION BY THE CONTRACTOR. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSPECT AND INSTALL ADDITIONAL CONTROL MEASURES AS NEEDED DURING CONSTRUCTION.
6. STABILIZATION OF ALL RE-GRADED AND SOIL STOCKPILE AREAS MUST BE MAINTAINED DURING ALL PHASES OF CONSTRUCTION.
7. SEDIMENT REMOVED FROM EROSION AND SEDIMENT CONTROL DEVICES MUST BE PROPERLY REMOVED AND DISPOSED. ALL DAMAGED CONTROLS MUST BE REMOVED AND REPLACED.
8. STOCKPILED MATERIAL INCLUDES, BUT IS NOT LIMITED TO, TOPSOIL, FILL MATERIAL, GRAVEL, AGGREGATE. A TYPICAL STOCKPILE IS SHOWN ON DETAIL SHEET 2 (SHEET C10.2).
9. THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING THE EROSION AND SEDIMENT CONTROL PLAN. THIS INCLUDES THE INSTALLATION AND MAINTENANCE OF CONTROL MEASURES, INFORMING ALL PARTIES ENGAGED ON THE CONSTRUCTION SITE OF THE REQUIREMENTS AND OBJECTIVES OF THE PLAN, AND NOTIFYING THE PROPER TOWN AGENCY OF ANY TRANSFER OF THIS RESPONSIBILITY.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROLLING WIND EROSION AND DUST THROUGHOUT THE LIFE OF HIS CONTRACT. DUST CONTROL MAY INCLUDE, BUT IS NOT LIMITED TO, SPRINKLING OF WATER ON EXPOSED SOILS AND STREET SWEEPING WITHIN ADJACENT ROADWAYS.
11. IF FINAL GRADING IS TO BE DELAYED FOR MORE THAN 21 DAYS AFTER LAND DISTURBANCE ACTIVITIES CEASE, TEMPORARY VEGETATION, A TARP, OR MULCH CAN BE USED TO COVER STOCKPILES, AND TEMPORARY SEEDING CAN ALSO BE APPLIED TO STABILIZE SOILS WITHIN 14 DAYS OF THE LAST DISTURBANCE.
12. IF A DISTURBED AREA WILL BE EXPOSED FOR GREATER THAN ONE YEAR, PERMANENT GRASSES OR OTHER APPROVED COVER MUST BE INSTALLED.
13. THE CONTRACTOR MUST KEEP ON-SITE AT ALL TIMES ADDITIONAL COMPOST SOCK FOR THE INSTALLATION AT THE DIRECTION OF THE ENGINEER, OR THE TOWN, TO MITIGATE ANY EMERGENCY CONDITION.
14. THE CONSTRUCTION FENCING AND EROSION AND SEDIMENT CONTROLS AS SHOWN MAY NOT BE PRACTICAL DURING ALL STAGES OF CONSTRUCTION. EARTHWORK ACTIVITY ON-SITE MUST BE DONE IN A MANNER SUCH THAT RUNOFF IS DIRECTED TO A SEDIMENT CONTROL DEVICE OR INFILTRATED TO THE GROUND.
15. DEMOLITION AND CONSTRUCTION DEBRIS MUST BE PROPERLY CONTAINED AND DISPOSED OF.
16. DISPOSAL OF ALL DEMOLISHED MATERIALS IS THE RESPONSIBILITY OF THE CONTRACTOR AND MUST BE HAULED OFF-SITE IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REQUIREMENTS.
17. OVERHEAD WIRES CROSSING THE PROPOSED ENTRANCE DRIVES SHALL BE SUPPORTED, PROTECTED, AND MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION.
18. NEW, EXPOSED SLOPE AREAS, SUCH AS THE SLOPES AND CHANNEL BOTTOMS ALONG THE PROPOSED DRAINAGE SWALES, SLOPES ALONG THE PROJECT PERIMETER, AND SLOPES AT THE SURFACE BASIN MUST BE STABILIZED WITH EROSION CONTROL MATTING AS SOON AS THE GRADING IS COMPLETED.
19. CONSTRUCTION VEHICLES SHALL UTILIZE THE STABILIZED CONSTRUCTION ENTRANCE TO THE MAXIMUM EXTENT POSSIBLE THROUGHOUT CONSTRUCTION.
20. IT IS THE RESPONSIBILITY OF THE CHOSEN CONTRACTOR TO MONITOR AND MAINTAIN THE STABILIZED CONSTRUCTION ENTRANCE TO ENSURE THAT IT IS CLEANED AND FUNCTIONING CORRECTLY TO PREVENT TRACKING OF SEDIMENT BY CONSTRUCTION VEHICLES THAT EXIT THE SITE.
21. THE USE OF HAYBALES FOR THE PROTECTION OF STORMWATER BEST MANAGEMENT PRACTICES SHALL NOT BE USED ON SITE.
22. ALL RAIN GUARDIAN PRETREATMENT UNITS AND PERVIOUS PAVER AREAS SHALL BE PROTECTED WITH THE USE OF COMPOST SOCK BARRIER DURING CONSTRUCTION.

SITE NOTES:

- 1. THE INTENT OF THIS PLAN IS TO CONSTRUCT A SENIOR LIVING COMMUNITY (SLC) CONSISTING OF SINGLE-FAMILY HOMES.
2. WATER SUPPLY SHALL BE SERVICED BY PUBLIC WATER SERVICE.
3. ONE (1) SEPTIC SYSTEM APPROVED THROUGH THE TOWN OF WRENTHAM BOARD OF HEALTH SHALL SERVE THE DEVELOPMENT.
4. ELECTRIC SERVICE SHALL BE SERVICED BY THE LOCAL ELECTRIC PROVIDER IN WRENTHAM.
5. ALL CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE TOWN AND STATE STANDARDS AND REGULATIONS.
6. ALL CONSTRUCTION ACTIVITIES SHALL BE PERFORMED IN ACCORDANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN (S.W.P.P.P.). THIS DOCUMENT IS TO BE KEPT ONSITE AT ALL TIMES AND UPDATED AS REQUIRED.
7. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER, ARCHITECT, AND/OR OWNER, IN ORDER TO OBTAIN AND/OR PAY ALL THE NECESSARY LOCAL PERMITS, FEES, AND BONDS.
8. ALL PROPOSED SIGNAGE SHALL CONFORM WITH THE TOWN ZONING REGULATIONS, UNLESS APPROVED AS PART OF THIS APPLICATION.
9. ALL SIGNAGE AND PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.) AND MASSDOT STANDARDS AND SPECIFICATIONS, UNLESS OTHERWISE NOTED.
10. ALL PARKING STALLS SHALL BE SEPARATED USING 4" WIDE SOLID STRIPES. STRIPING SHALL HAVE TWO COATS OF PAINT, ALKYD BASED SYNTHETIC RESIN, FEDERAL SPECIFICATION TTP-115 TYPE 1 IN A COLOR OF WHITE (OR APPROVED EQUAL).
11. ALL NEW CURBING TO BE INSTALLED BY RADIUS AND MATERIALS AS NOTED ON THE LAYOUT AND MATERIALS SHEETS C4.1 - C4.2 ON THE SITE PLAN.
12. ALL BUILDING DIMENSIONS SHALL BE VERIFIED WITH THE ARCHITECTURAL AND STRUCTURAL PLANS PROVIDED BY THE OWNER. ANY DISCREPANCIES SHOULD BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND OWNER PRIOR TO THE START OF CONSTRUCTION. BUILDING DIMENSIONS ARE MEASURED TO THE OUTSIDE OF THE FOUNDATION UNLESS OTHERWISE NOTED.
13. SNOW TO BE STORED AT EDGE OF PAVEMENT, UNLESS OTHERWISE DESIGNATED. ALL SNOW IN EXCESS OF THESE DESIGNATIONS SHALL BE TRUCKED OFF SITE TO AN APPROVED SNOW DUMPING LOCATION.
14. SNOW STORAGE IS NOT LIMITED TO THE AREAS DENOTED IN THE LAYOUT AND MATERIALS PLANS. ALL SNOW STORAGE SHALL BE A MINIMUM OF 50' FROM ANY WETLAND.
15. ALL CONSTRUCTION ACTIVITIES SHALL CONFORM TO LABOR OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) RULES AND REGULATIONS.
16. ALL ACCESSIBLE RAMPS SHALL HAVE A SLOPE OF 1:12 OR LESS, BE FITTED WITH A DETECTABLE WARNING PANEL, AND HAVE VERTICAL TO FLUSH TRANSITION CURB ON BOTH SIDES OF THE LEVEL LANDING EXITING THE SIDEWALK.
17. ALL PROPOSED RETAINING WALLS ARE SHOWN FOR LOCATION AND GRADING PURPOSES ONLY. EACH RETAINING WALL IS TO BE DESIGNED BY OTHERS. HOWARD STEIN HUDSON TAKES NO RESPONSIBILITY OVER THE DESIGN OF THE RETAINING WALLS DEPICTED HEREIN.

LEGEND

- CONCRETE BOUND
DRILL HOLE FOUND
IRON ROD FOUND
IRON PIPE FOUND
STONE BOUND WITH DRILL HOLE
STONE BOUND
CATCH BASIN
DRAIN MANHOLE
UNKNOWN MANHOLE
CULVERT
UTILITY POLE
UTILITY POLE WITH LIGHT
UTILITY POLE WITH LIGHT AND TRANSFORMER
DECIDUOUS TREE
CONIFER TREE
SHRUB
POST
FLAG POLE
MAILBOX
EOP EDGE OF PAVEMENT
BC BITUMINOUS CURB
VGC VERTICAL GRANITE CURB
CRW CONCRETE RETAINING WALL
SWL SOLID WHITE LINE
DYL DOUBLE YELLOW LINE
(R) RECORD INFORMATION
ABUTTERS LOT LINE
PROPERTY LINE
LINE OF COMMON OWNERSHIP
DEED LINE
CHAIN LINK FENCE
BARB WIRE FENCE
METAL/WIRE FENCE
METAL GUARDRAIL
STONE WALL
SHRUB LINE
TREE LINE
INTERMEDIATE CONTOURS
INDEX CONTOURS
WETLAND LINE
OVERHEAD WIRES
RECORD DRAIN LINE
RECORD WATER LINE

GRADING AND DRAINAGE NOTES:

- 1. UNDERGROUND FACILITIES, UTILITIES AND STRUCTURES HAVE BEEN PLOTTED FROM FIELD OBSERVATION AND THEIR LOCATION MUST BE CONSIDERED APPROXIMATE ONLY. NEITHER HOWARD STEIN HUDSON, NOR ANY OTHER EMPLOYEES TAKE RESPONSIBILITY FOR THE LOCATION OF ANY UNDERGROUND STRUCTURES AND/OR UTILITIES NOT SHOWN THAT MAY EXIST. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE ALL UNDERGROUND STRUCTURES AND/OR UTILITIES LOCATED PRIOR TO EXCAVATION WORK BY CALLING 888-DIG-SAFE
2. ALL BENCHMARKS AND TOPOGRAPHY SHOULD BE FIELD VERIFIED BY THE CONTRACTOR.
3. SITE GRADING SHALL NOT PROCEED UNTIL EROSION CONTROL MEASURES HAVE BEEN INSTALLED. REFER TO THE CONSTRUCTION SEQUENCE.
4. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR IS REQUIRED TO HAVE THE PROJECTS LAND SURVEYOR STAKE OR FLAG CLEARING LIMITS AND PROPERTY LINES. A MINIMUM OF 72 HOURS NOTICE IS REQUIRED.
5. ALL SWALES, INFILTRATION PONDS, AND OTHER SURFACE STORMWATER FACILITIES ARE TO BE STABILIZED PRIOR TO ACCEPTING RUNOFF.
6. PROPOSED RIM ELEVATIONS OF DRAINAGE STRUCTURES ARE APPROXIMATE. FINAL ELEVATIONS ARE TO BE SET FLUSH WITH FINISH GRADES.
7. ALL DRAINAGE AND SANITARY STRUCTURES INTERIOR DIAMETERS (4' MIN) SHALL BE DETERMINED BY THE MANUFACTURER BASED ON THE PIPE CONFIGURATIONS SHOWN ON THESE PLANS. CATCH BASINS SHALL HAVE 4' DEEP SUMPS WITH GREASE HOODS, UNLESS OTHERWISE NOTED.
8. ALL DRAINAGE STRUCTURES SHALL BE PRECAST, UNLESS OTHERWISE SPECIFIED. SEE DETAIL SHEETS FOR DRAINAGE DETAILS.
9. IN AREAS WHERE CONSTRUCTION IS PROPOSED ADJACENT TO ABUTTING PROPERTIES, THE CONTRACTOR SHALL INSTALL ORANGE CONSTRUCTION FENCING ALONG PROPERTY LINES IN ALL AREAS WHERE EROSION CONTROL IS NOT REQUIRED.
10. LAND DISTURBING ACTIVITIES SHALL NOT COMMENCE UNTIL APPROVAL TO DO SO HAS BEEN RECEIVED BY ALL GOVERNING AUTHORITIES. THE GENERAL CONTRACTOR SHALL STRICTLY ADHERE TO THE EPA SWPPP DURING CONSTRUCTION OPERATIONS.
11. ALL EXPOSED AREAS SHALL BE SEEDED AS SPECIFIED WITHIN 3 DAYS OF FINAL GRADING.
12. SHOULD CONSTRUCTION STOP FOR LONGER THAN 14 DAYS, THE SITE SHALL BE SEEDED AS SPECIFIED.
13. THIS PLAN SHALL NOT BE CONSIDERED ALL INCLUSIVE, AS THE GENERAL CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT SEDIMENT FROM LEAVING THE SITE.
14. IF THE INSTALLATION OF STORM DRAINAGE SYSTEM SHOULD BE INTERRUPTED BY WEATHER OR NIGHTFALL, THE PIPE ENDS SHALL BE COVERED WITH FILTER FABRIC.
15. SEDIMENT SHALL BE REMOVED FROM ALL SEDIMENT BASINS BEFORE THEY ARE 25% FULL.
16. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED, IF DEEMED NECESSARY BY ON-SITE INSPECTION BY ENGINEER AND/OR REGULATORY OFFICIALS.
17. MONITORING WELLS ARE TO BE PROVIDED AT EACH INFILTRATION BASIN PER THE REQUIREMENT OF THE MASSACHUSETTS STORMWATER HANDBOOK.

UTILITY NOTES:

- 1. THE CONTRACTOR SHALL PROVIDE A MINIMUM NOTICE OF FOURTEEN (14) DAYS TO ALL CORPORATIONS, COMPANIES, AND/OR LOCAL AUTHORITIES OWNING OR HAVING A JURISDICTION OVER UTILITIES RUNNING TO, THROUGH OR ACROSS PROJECT AREAS PRIOR TO DEMOLITION AND/OR CONSTRUCTION ACTIVITIES.
2. THE LOCATION, SIZE, DEPTH, AND SPECIFICATIONS FOR CONSTRUCTION OF PROPOSED UTILITY SERVICES SHALL BE TO THE STANDARDS AND REQUIREMENTS OF THE RESPECTIVE UTILITY COMPANY (ELECTRIC, TELEPHONE, CABLE TELEVISION, WATER, GAS AND SEWER).
3. A PRECONSTRUCTION MEETING SHALL BE HELD WITH THE OWNER, ENGINEER, ARCHITECT, CONTRACTOR, LOCAL OFFICIALS, AND ALL PROJECT-RELATED UTILITY COMPANIES (PUBLIC AND PRIVATE) PRIOR TO START OF CONSTRUCTION.
4. BUILDINGS TO BE SERVICED BY UNDERGROUND UTILITIES UNLESS OTHERWISE NOTED.
5. THE CONTRACTOR IS TO VERIFY LOCATION AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION AND DISCONNECT ALL EXISTING SERVICE CONNECTIONS AT THEIR RESPECTIVE MAINS IN ACCORDANCE WITH THE RESPECTIVE UTILITY COMPANY'S STANDARDS AND SPECIFICATIONS. ENGINEER TO BE NOTIFIED.
6. AS-BUILT PLANS SHALL BE SUBMITTED TO THE ALL MUNICIPAL DEPARTMENTS SPECIFIED BY CONDITIONS OF APPROVAL.
7. CONTRACTOR SHALL PLACE 2" WIDE METAL WIRE IMPREGNATED RED PLASTIC WARNING TAPE OVER ENTIRE LENGTH OF ALL GRAVITY SEWERS, SERVICES, AND FORCE MAINS.
8. ALL SANITARY STRUCTURE INTERIOR DIAMETERS (4' MIN) SHALL BE DETERMINED BY THE MANUFACTURER BASED ON THE PIPE CONFIGURATIONS SHOWN ON THESE PLANS.
9. PROPOSED RIM ELEVATIONS OF DRAINAGE AND SANITARY MANHOLES ARE APPROXIMATE. FINAL ELEVATIONS ARE TO BE SET FLUSH WITH FINISHED GRADES. ADJUST ALL OTHER RIM ELEVATIONS OF MANHOLES, WATER GATES, AND OTHER UTILITIES TO FINISHED GRADE AS SHOWN ON THE GRADING AND DRAINAGE PLAN.
10. WATER MAINS SHALL BE HYDROSTATICALLY PRESSURE TESTED FOR LEAKAGE PRIOR TO ACCEPTANCE.
11. THRUST BLOCKS SHALL BE INSTALLED AT ALL BENDS, TEES, MECHANICAL JOINTS, AND FIRE HYDRANTS.
12. DIMENSIONS ARE SHOWN TO CENTERLINE OF PIPE OR FITTING.
13. CONTRACTOR TO FURNISH SHOP DRAWINGS FOR UTILITY RELATED ITEMS TO ENSURE CONFORMANCE WITH THE PLANS AND SPECIFICATIONS. SHOP DRAWINGS SHOULD BE SENT IN TRIPLICATE TO THE DESIGN ENGINEER FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.
14. EXISTING UTILITIES SHALL BE DIGSAFED AND PRIVATE UTILITY LOCATOR SERVICES SHOULD BE UTILIZED PRIOR TO CONSTRUCTION.
15. ALL FIRE SUPPRESSION WATER LINES SHALL HAVE TESTABLE BACKFLOW PREVENTERS AT THE ENTRANCE TO EACH BUILDING.
16. ALL TRENCHING, PIPE LAYING, AND BACKFILLING SHALL BE IN ACCORDANCE WITH FEDERAL OSHA REGULATIONS.
17. ALL FIRE HYDRANTS SHALL BE PROVIDED WITH AN APPROVED GATE VALVE.
18. THE CONTRACTOR SHALL MAINTAIN WATER SERVICE TO USERS AT ALL TIMES. REQUIREMENTS BY THE TOWN WATER DEPARTMENT REGARDING NOTIFICATION FOR INTERRUPTION OF SERVICE SHOULD BE INCLUDED (TYPICALLY 24 HOURS) AND ALLOWABLE INTERRUPTION DURATION. WATER TESTING AND DISINFECTION REQUIREMENTS SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.
19. ALL WATER AND SEPTIC INSTALLATION SHALL BE COORDINATED AND IN ACCORDANCE WITH THE TOWN OF WRENTHAM, MA
20. GAS SERVICES NOT SHOWN ON PLAN AND WILL BE DETERMINED AT A LATER DATE.



PREPARED FOR:
SHELDON MEADOW, LLC.
480 TURNPIKE STREET
SOUTH EASTON, MA 02375

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20 HANCOCK STREET
WRENTHAM, MA 02093
NORFOLK COUNTY

REVISIONS:

Table with columns: NO, BY, DATE, DESCRIPTION. Row 1: 1, KL, 9/13/22, PEER REVIEW

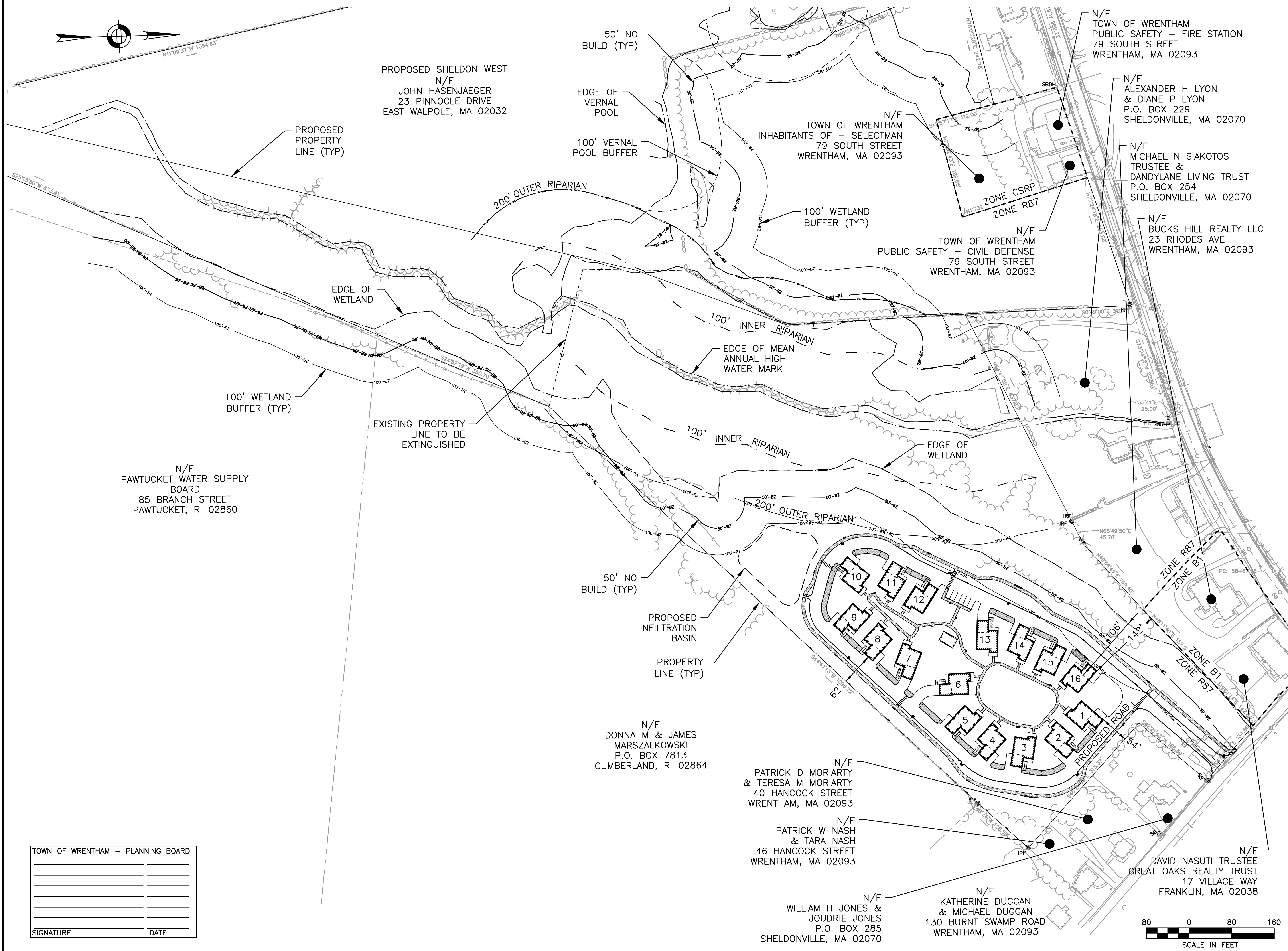
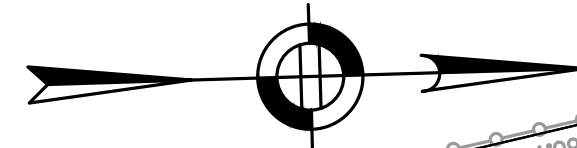


SITE PLAN

NOTES AND REFERENCES

TOWN OF WRENTHAM - PLANNING BOARD
SIGNATURE _____ DATE _____

DATE: APRIL 11, 2022
PROJECT NUMBER: 19227.01
DESIGNED BY: KL/MB
DRAWN BY: KL/MB/NC
CHECKED BY: KE
C1.2



PROPOSED SHELDON WEST
N/F
JOHN HASENJAEGER
23 PINNACLE DRIVE
EAST WALPOLE, MA 02032

N/F
TOWN OF WRENTHAM
INHABITANTS OF - SELECTMAN
79 SOUTH STREET
WRENTHAM, MA 02093

N/F
TOWN OF WRENTHAM
PUBLIC SAFETY - FIRE STATION
79 SOUTH STREET
WRENTHAM, MA 02093

N/F
ALEXANDER H LYON
& DIANE P LYON
P.O. BOX 229
SHELDONVILLE, MA 02070

N/F
MICHAEL N SIAKOTOS
TRUSTEE &
DANDYLANE LIVING TRUST
P.O. BOX 254
SHELDONVILLE, MA 02070

N/F
BUCKS HILL REALTY LLC
23 RHODES AVE
WRENTHAM, MA 02093

N/F
TOWN OF WRENTHAM
PUBLIC SAFETY - CIVIL DEFENSE
79 SOUTH STREET
WRENTHAM, MA 02093

N/F
PAWTUCKET WATER SUPPLY
BOARD
85 BRANCH STREET
PAWTUCKET, RI 02860

N/F
DONNA M & JAMES
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P.O. BOX 7813
CUMBERLAND, RI 02864

N/F
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& TERESA M MORIARTY
40 HANCOCK STREET
WRENTHAM, MA 02093

N/F
PATRICK W NASH
& TARA NASH
46 HANCOCK STREET
WRENTHAM, MA 02093

N/F
WILLIAM H JONES &
JOURDRIE JONES
P.O. BOX 285
SHELDONVILLE, MA 02070

N/F
KATHERINE DUGGAN
& MICHAEL DUGGAN
130 BURNT SWAMP ROAD
WRENTHAM, MA 02093

N/F
DAVID NASUTI TRUSTEE
GREAT OAKS REALTY TRUST
17 VILLAGE WAY
FRANKLIN, MA 02038

HOWARD STEIN HUDSON
114 Turnpike Road, Suite 2C
Chelmsford, MA 01824
www.hshassoc.com

PREPARED FOR:
SHELDON MEADOW, LLC.
480 TURNPIKE STREET
SOUTH EASTON, MA 02375

SHELDON MEADOW
20 HANCOCK STREET
WRENTHAM, MA 02093
NORFOLK COUNTY

NO	BY	DATE	DESCRIPTION
1	KL	9/13/22	PEER REVIEW



SITE PLAN

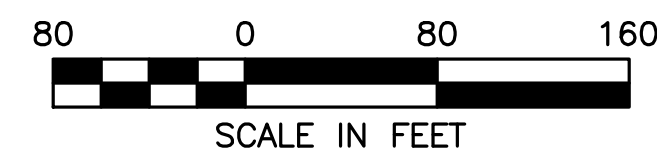
LOCUS
MAP

DATE:	APRIL 11, 2022
PROJECT NUMBER:	19227.01
DESIGNED BY:	KL/MB
DRAWN BY:	KL/MB/NC
CHECKED BY:	KE

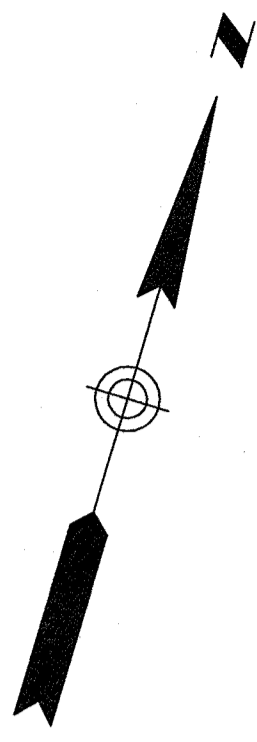
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SHEET 3 OF 36

TOWN OF WRENTHAM - PLANNING BOARD	
SIGNATURE	DATE

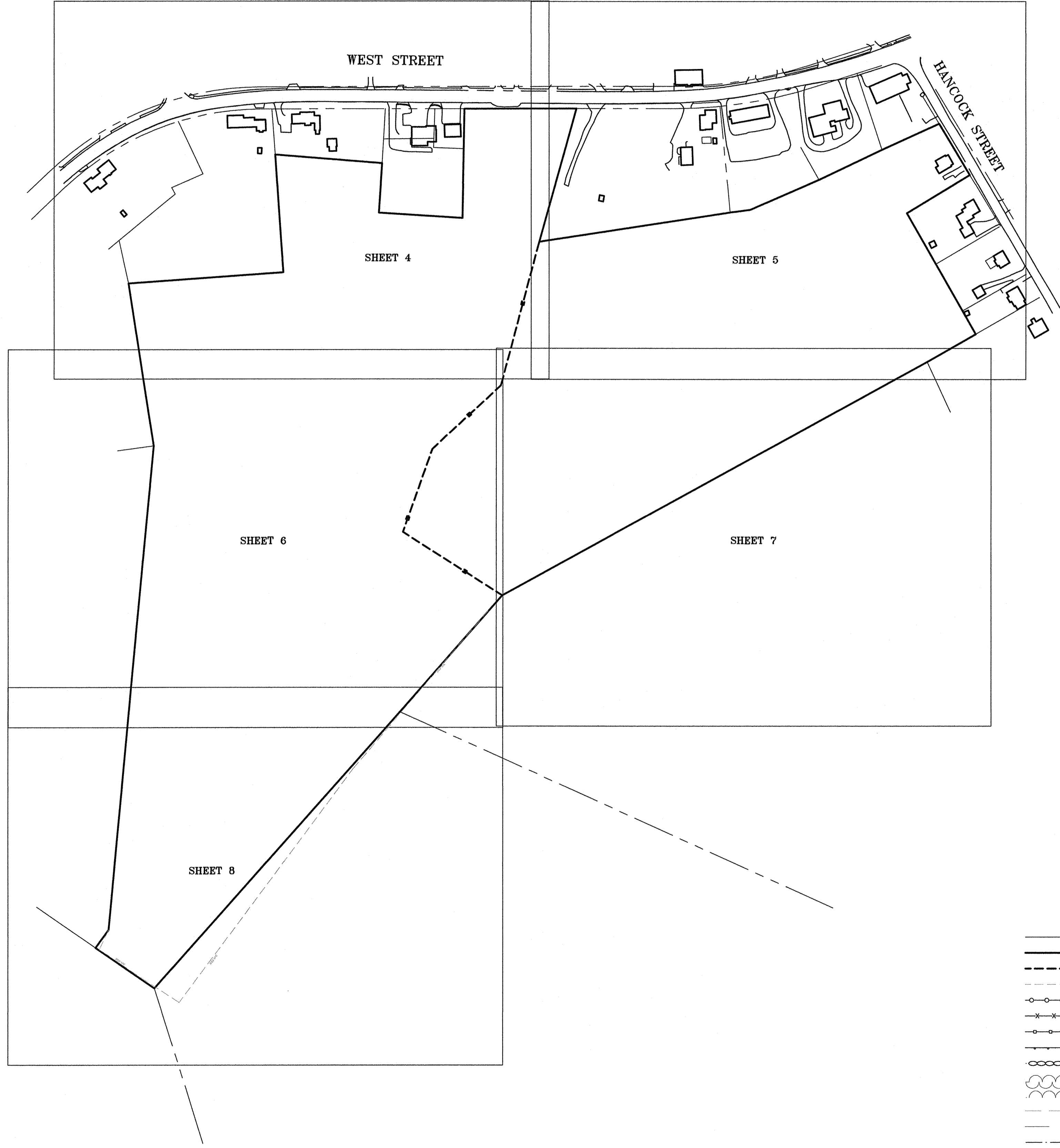
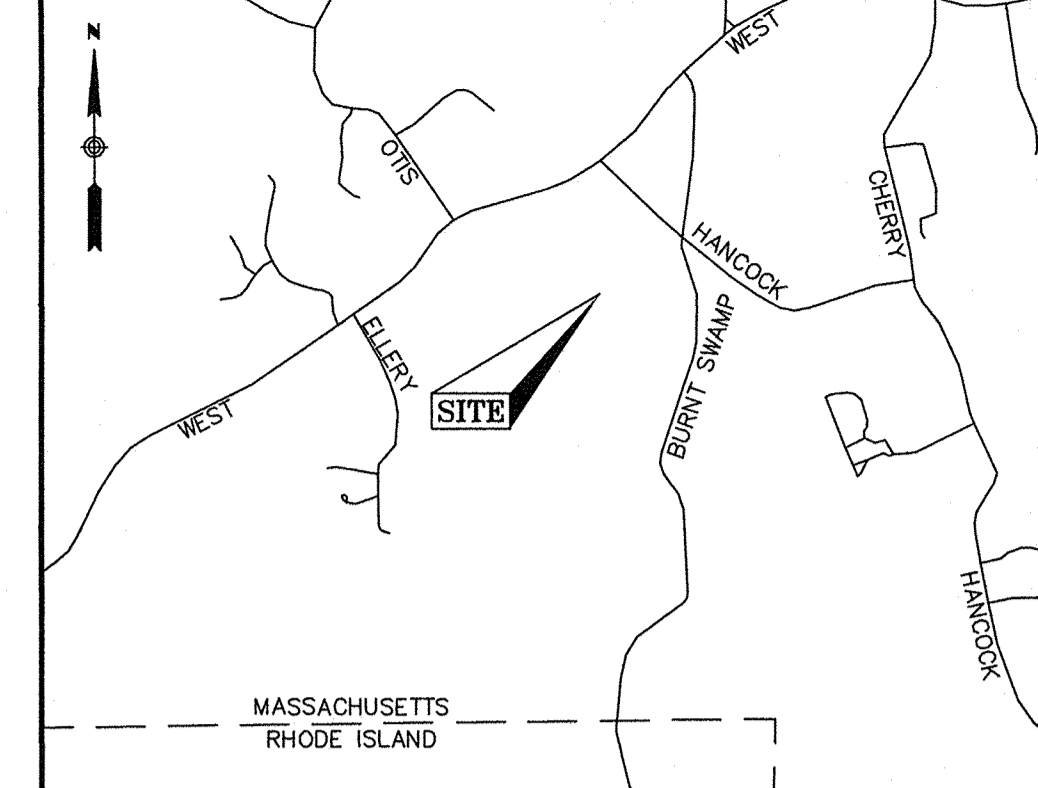


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Plot Saved by: KJABRE
Printed by: Matthew Baker



TOWN OF WRENTHAM - PLANNING BOARD

SIGNATURE	DATE



LEGEND

- CB □ CONCRETE BOUND
- DH ⊙ DRILL HOLE FOUND
- IR ⊙ IRON ROD FOUND
- IP ⊙ IRON PIPE FOUND
- SBH ⊙ STONE BOUND WITH DRILL HOLE
- SB □ STONE BOUND
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- ⊙ DRAIN MANHOLE
- ⊙ UNKNOWN MANHOLE
- < CULVERT
- ∕ UTILITY POLE
- ⊙ UTILITY POLE WITH LIGHT
- ⊙ UTILITY POLE WITH LIGHT AND TRANSFORMER
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- CONIFER TREE
- SHRUB
- POST
- ⊥ FLAG POLE
- ⊥ MAILBOX
- EOP EDGE OF PAVEMENT
- BC BITUMINOUS CURB
- VGC VERTICAL GRANITE CURB
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- METAL GUARDRAIL
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- SHRUB LINE
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- 248 INTERMEDIATE CONTOURS
- 250 INDEX CONTOURS
- WETLAND LINE
- OVERHEAD WIRES
- RECORD DRAIN LINE
- RECORD WATER LINE

LOCUS MAP (N.T.S.)

- NOTES**
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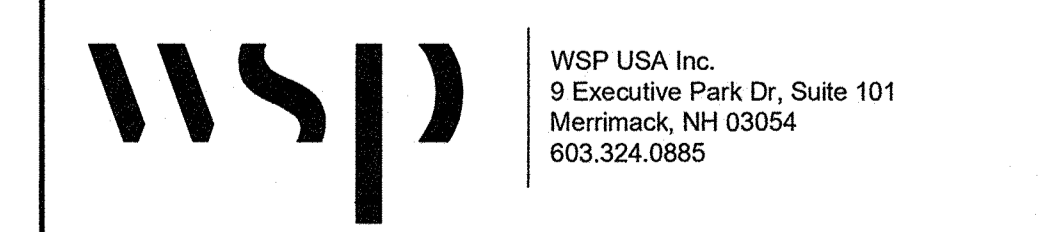
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REVISION	DATE	DESCRIPTION

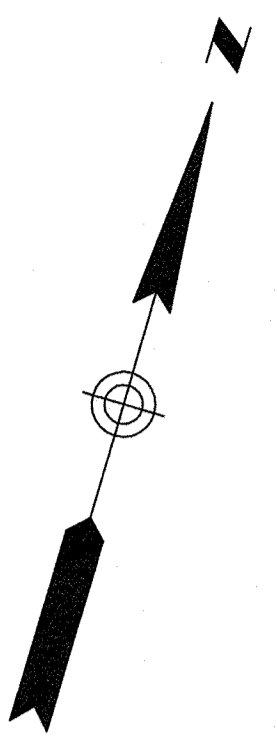
EXISTING CONDITIONS PLAN
 20 HANCOCK & 1139 WEST STREET
 WRENTHAM, MASSACHUSETTS
 PREPARED FOR
 HOWARD STEIN HUDSON



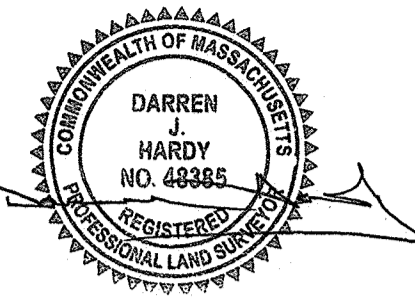
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Surveyed By	JL,RZ	Scale	1" = 150'	Sheet No.	3
Checked By	DPP	Book No.	M-5		

CERTIFICATION:

DARREN J. HARDY, P.L.S. APRIL 20, 2021
 REG. NO. 48385
 WSP USA, Inc.

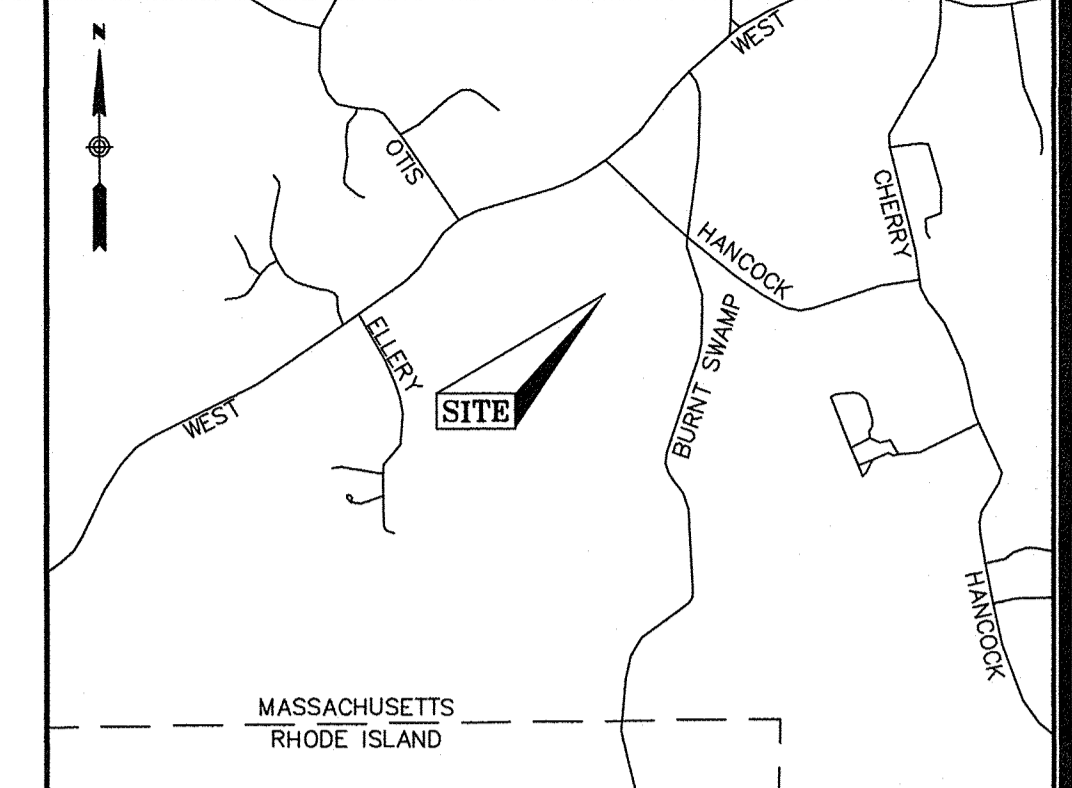


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TOWN OF WRENTHAM - PLANNING BOARD	
SIGNATURE	DATE



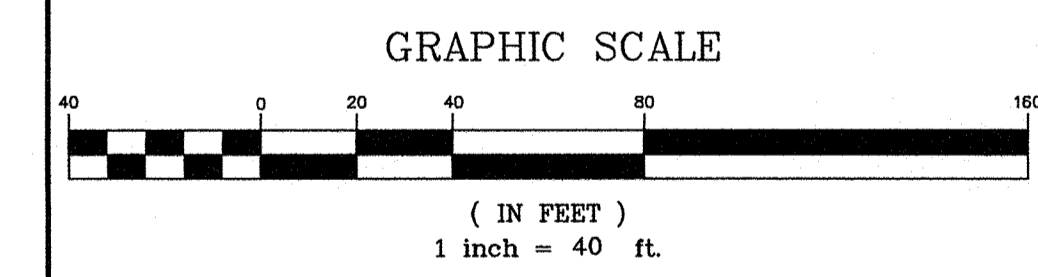
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(N.T.S.)

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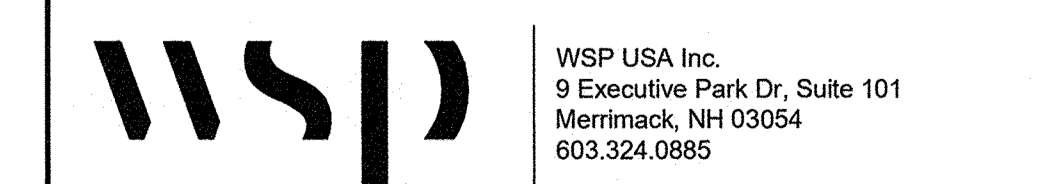
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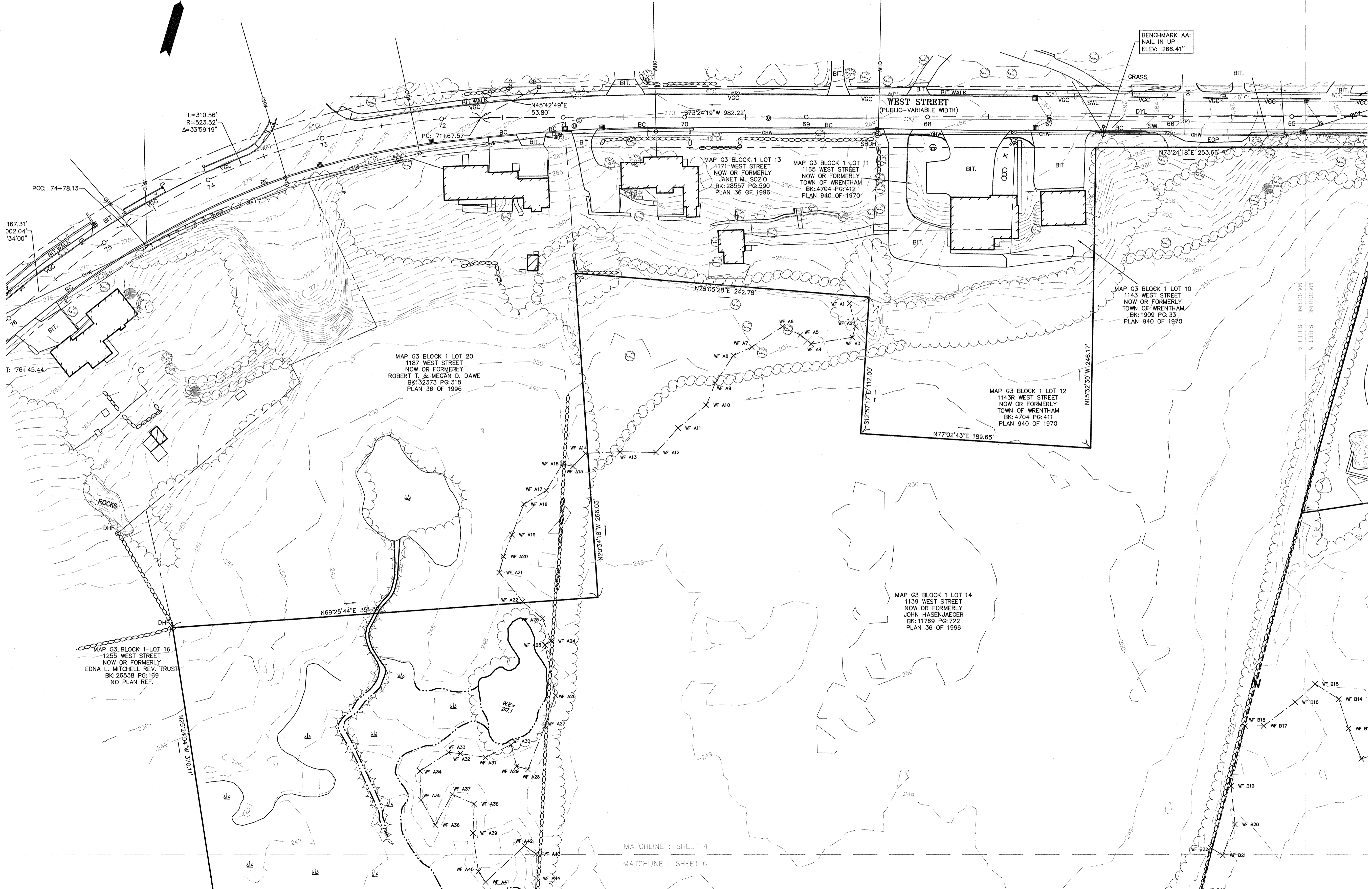


REVISION	
DATE	DESCRIPTION

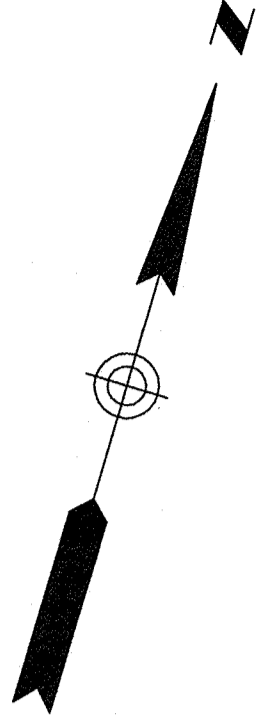
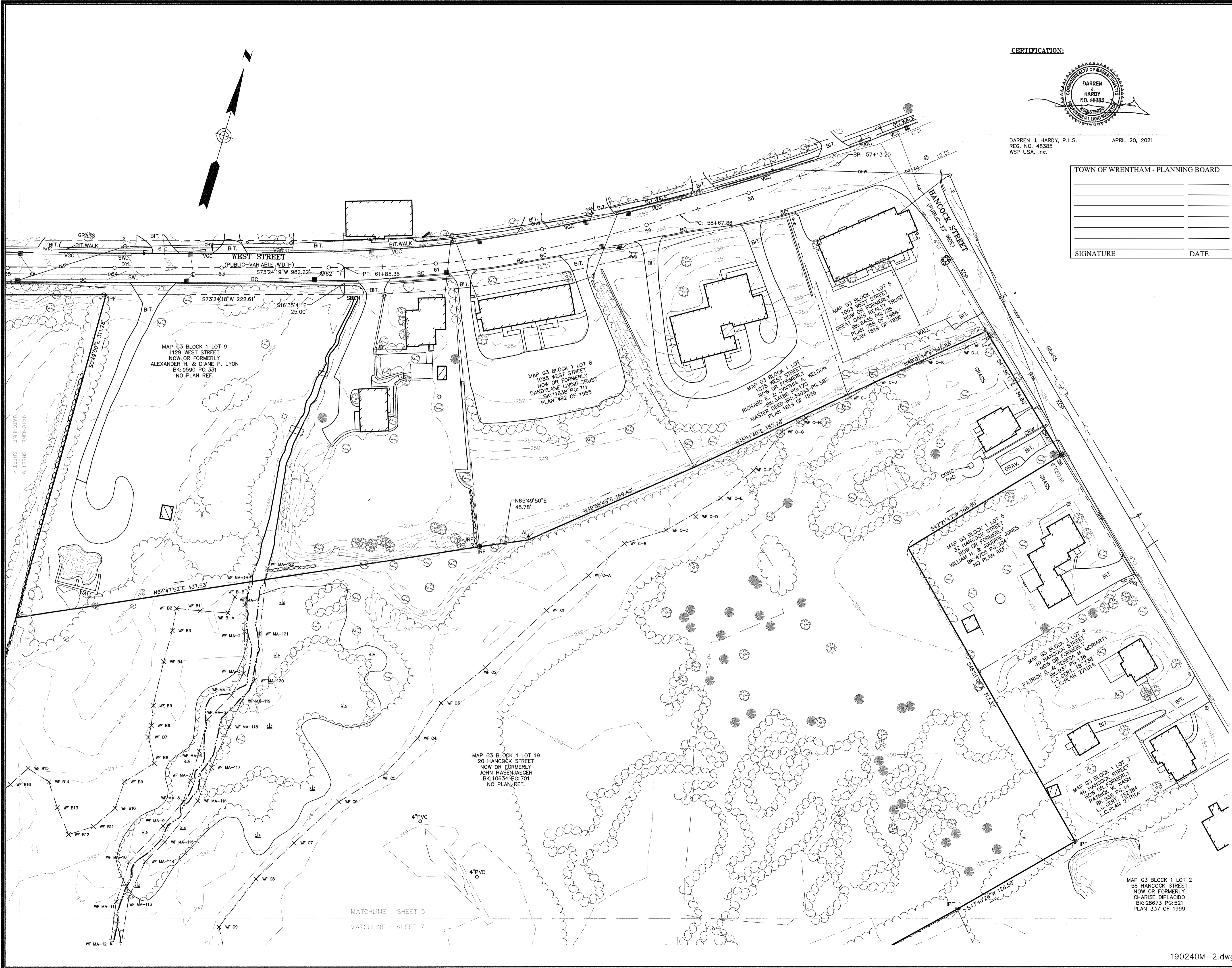
EXISTING CONDITIONS PLAN
20 HANCOCK & 1139 WEST STREET
WRENTHAM, MASSACHUSETTS
PREPARED FOR
HOWARD STEIN HUDSON



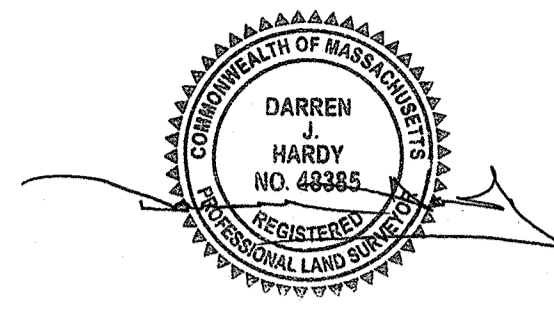
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Surveyed By	JL,RZ	Checked By	DPP	Scale	1" = 40'
Book No.	M-5			Sheet No.	4



MATCHLINE : SHEET 4
MATCHLINE : SHEET 6



CERTIFICATION:



DARREN J. HARDY, P.L.S.
 REG. NO. 48385
 WSP USA, Inc.
 APRIL 20, 2021

TOWN OF WRENTHAM - PLANNING BOARD	
SIGNATURE	DATE



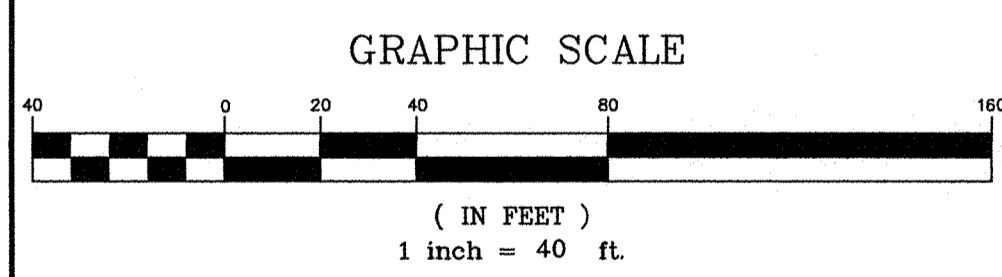
MASSACHUSETTS
 RHODE ISLAND

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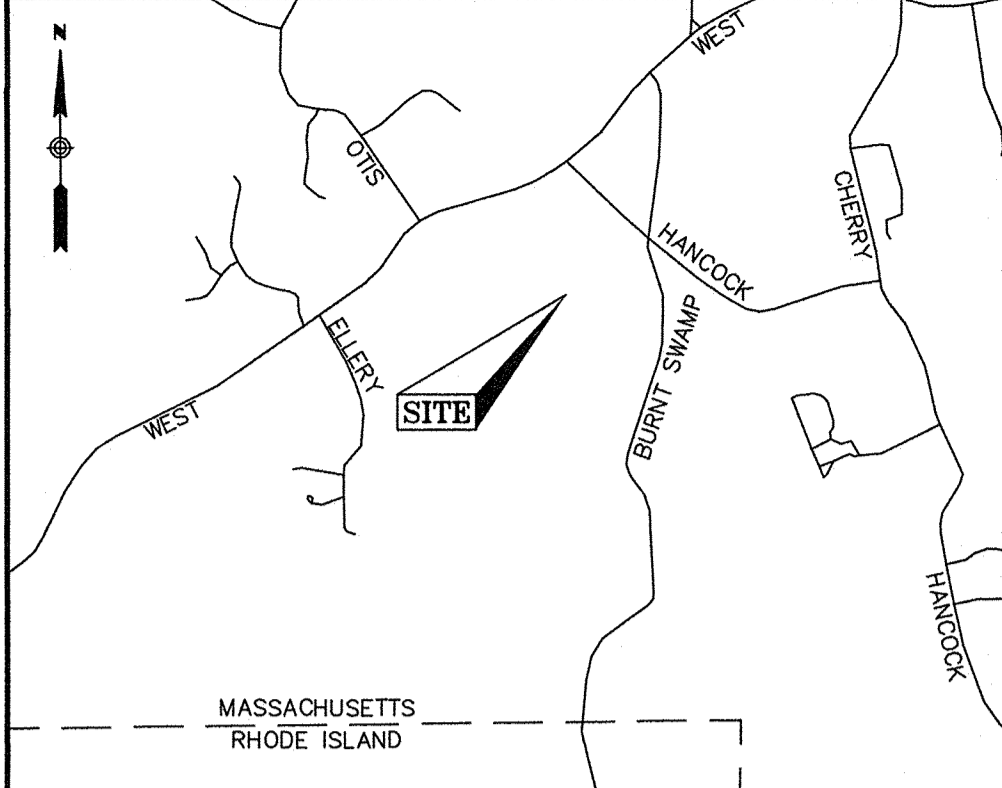
REVISION	
DATE	DESCRIPTION

EXISTING CONDITIONS PLAN
 20 HANCOCK & 1139 WEST STREET
 WRENTHAM, MASSACHUSETTS
 PREPARED FOR
 HOWARD STEIN HUDSON

wsp WSP USA Inc.
 9 Executive Park Dr, Suite 101
 Merrimack, NH 03054
 603.324.0885

Drawn By MS	Date APRIL 20, 2021	Job No. 190240M
Surveyed By JL,RZ	Scale 1" = 40'	Sheet No. 5
Checked By DPP		
Book No. M-5		

190240M-2.dwg



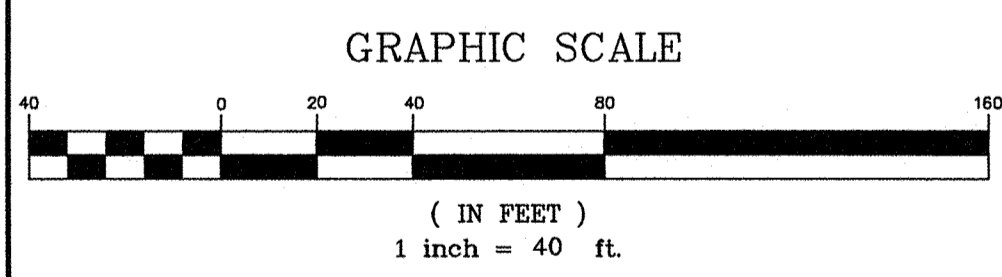
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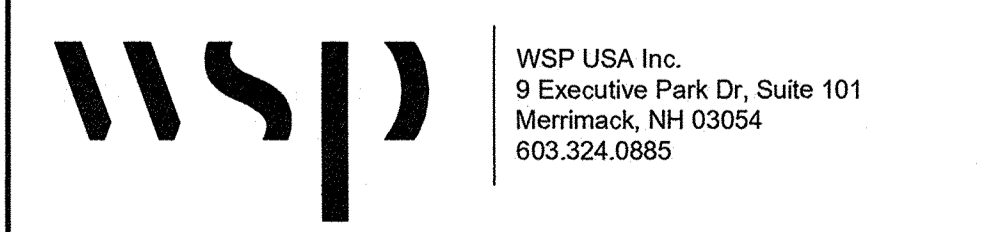
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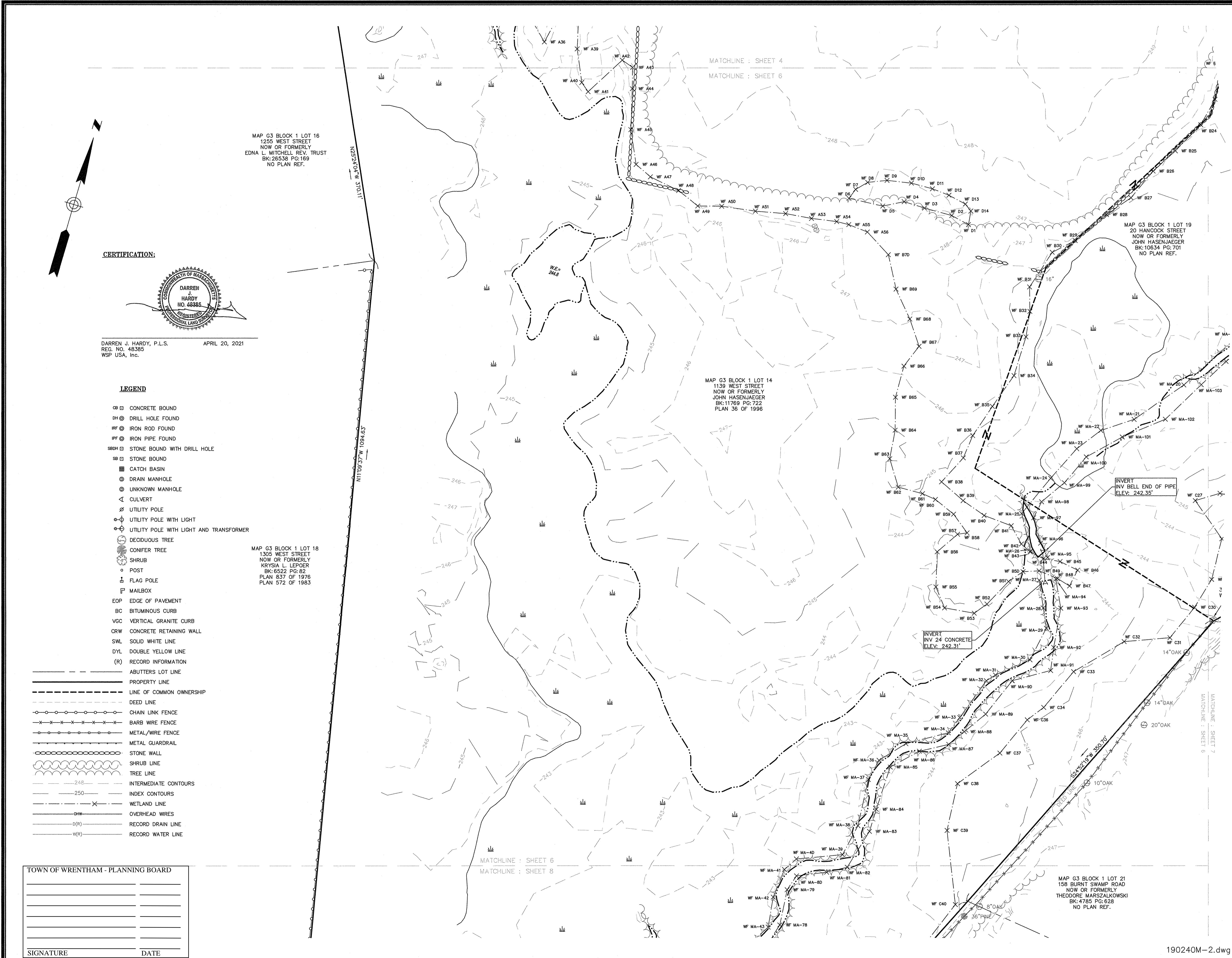


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Drawn By MS	Date APRIL 20, 2021	Job No. 190240M
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Checked By DPP	1" = 40'	6
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MAP G3 BLOCK 1 LOT 16
 1255 WEST STREET
 NOW OR FORMERLY
 EDNA L. MITCHELL REV. TRUST
 BK:26538 PG:169
 NO PLAN REF.

MATCHLINE : SHEET 4
 MATCHLINE : SHEET 6

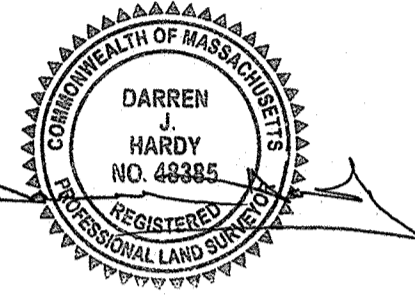
MAP G3 BLOCK 1 LOT 14
 1139 WEST STREET
 NOW OR FORMERLY
 JOHN HASENJAEGER
 BK:11769 PG:722
 PLAN 36 OF 1996

MAP G3 BLOCK 1 LOT 18
 1305 WEST STREET
 NOW OR FORMERLY
 KRYSIA L. LEPOER
 BK:6522 PG:62
 PLAN 837 OF 1976
 PLAN 572 OF 1983

MAP G3 BLOCK 1 LOT 21
 158 BURNT SWAMP ROAD
 NOW OR FORMERLY
 THEODORE MARSZALKOWSKI
 BK:4785 PG:628
 NO PLAN REF.

MATCHLINE : SHEET 6
 MATCHLINE : SHEET 8

CERTIFICATION:



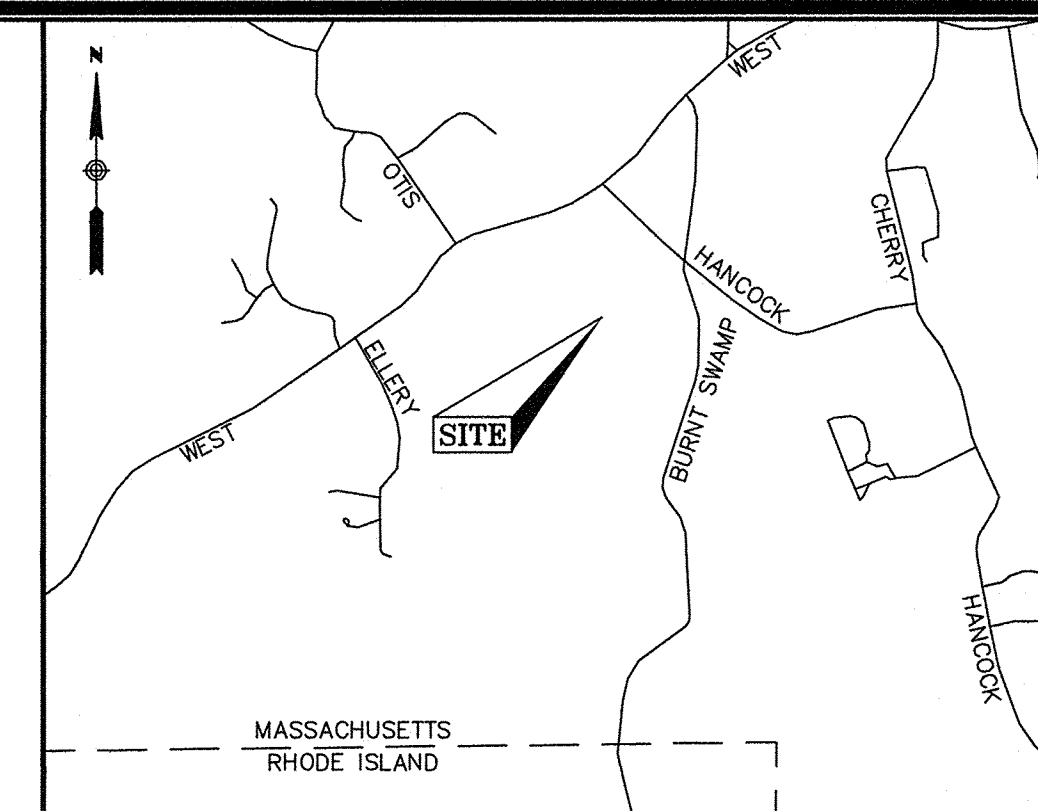
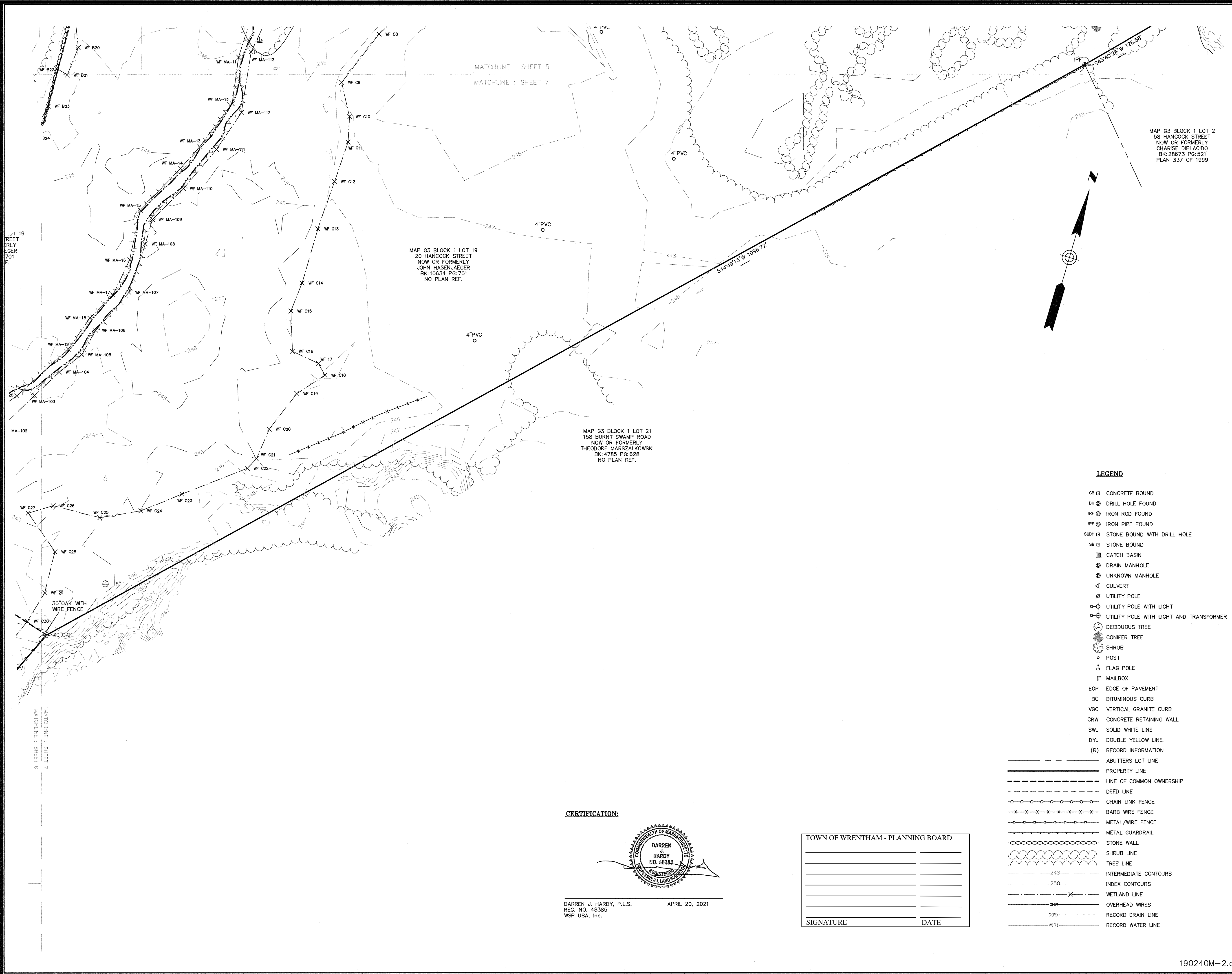
DARREN J. HARDY, P.L.S. APRIL 20, 2021
 REG. NO. 48385
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LEGEND

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- IRP IRON PIPE FOUND
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- SB STONE BOUND
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- DM DRAIN MANHOLE
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TOWN OF WRENTHAM - PLANNING BOARD

SIGNATURE	DATE



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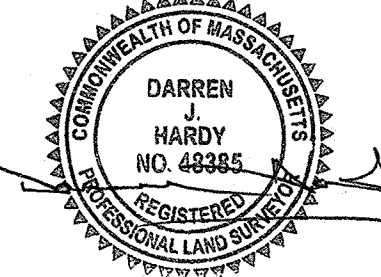
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 9. PLAN 1819 OF 1986
 10. LAND COURT PLAN NO. 27101A
 11. 1925 COUNTY LAYOUT OF WEST STREET

LEGEND

- CB □ CONCRETE BOUND
- DH ⊙ DRILL HOLE FOUND
- IR ⊙ IRON ROD FOUND
- IP ⊙ IRON PIPE FOUND
- SBH □ STONE BOUND WITH DRILL HOLE
- SB □ STONE BOUND
- CATCH BASIN
- ⊙ DRAIN MANHOLE
- ⊙ UNKNOWN MANHOLE
- < CULVERT
- ∅ UTILITY POLE
- ⊙ UTILITY POLE WITH LIGHT
- ⊙ UTILITY POLE WITH LIGHT AND TRANSFORMER
- ⊙ DECIDUOUS TREE
- ⊙ CONIFER TREE
- ⊙ SHRUB
- ⊙ POST
- ⊙ FLAG POLE
- ⊙ MAILBOX
- EOP — EDGE OF PAVEMENT
- BC — BITUMINOUS CURB
- VGC — VERTICAL GRANITE CURB
- CRW — CONCRETE RETAINING WALL
- SWL — SOLID WHITE LINE
- DYL — DOUBLE YELLOW LINE
- (R) — RECORD INFORMATION
- - - - - ABUTTERS LOT LINE
- PROPERTY LINE
- - - - - LINE OF COMMON OWNERSHIP
- DEED LINE
- CHAIN LINK FENCE
- ×-×-×-× BARB WIRE FENCE
- METAL/WIRE FENCE
- METAL GUARDRAIL
- STONE WALL
- ⊙-⊙-⊙-⊙ SHRUB LINE
- ⊙-⊙-⊙-⊙ TREE LINE
- - - - - INTERMEDIATE CONTOURS
- - - - - INDEX CONTOURS
- - - - - WETLAND LINE
- - - - - OVERHEAD WIRES
- - - - - RECORD DRAIN LINE
- - - - - RECORD WATER LINE

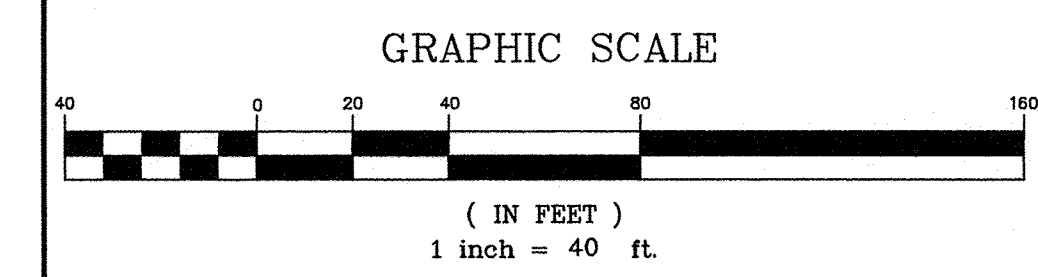
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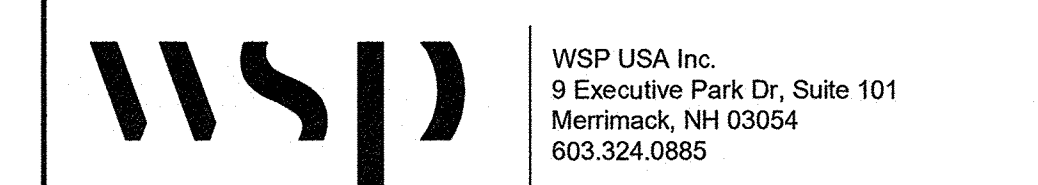
DARREN J. HARDY, P.L.S.
REG. NO. 48385
WSP USA, Inc. APRIL 20, 2021

TOWN OF WRENTHAM - PLANNING BOARD

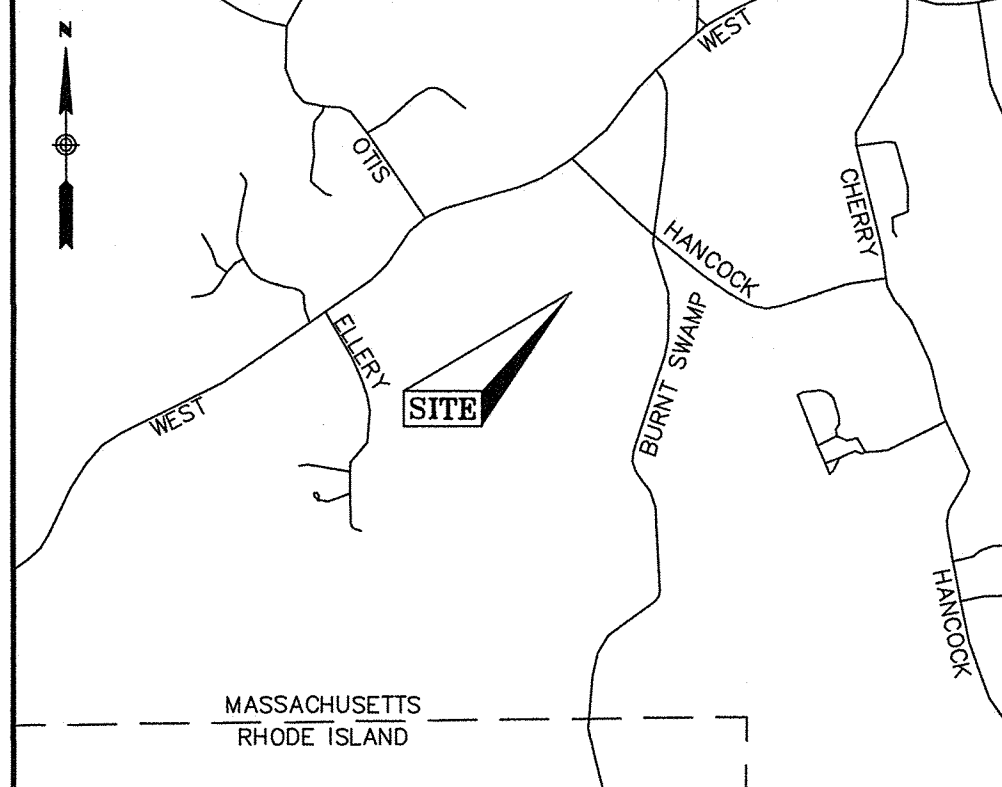
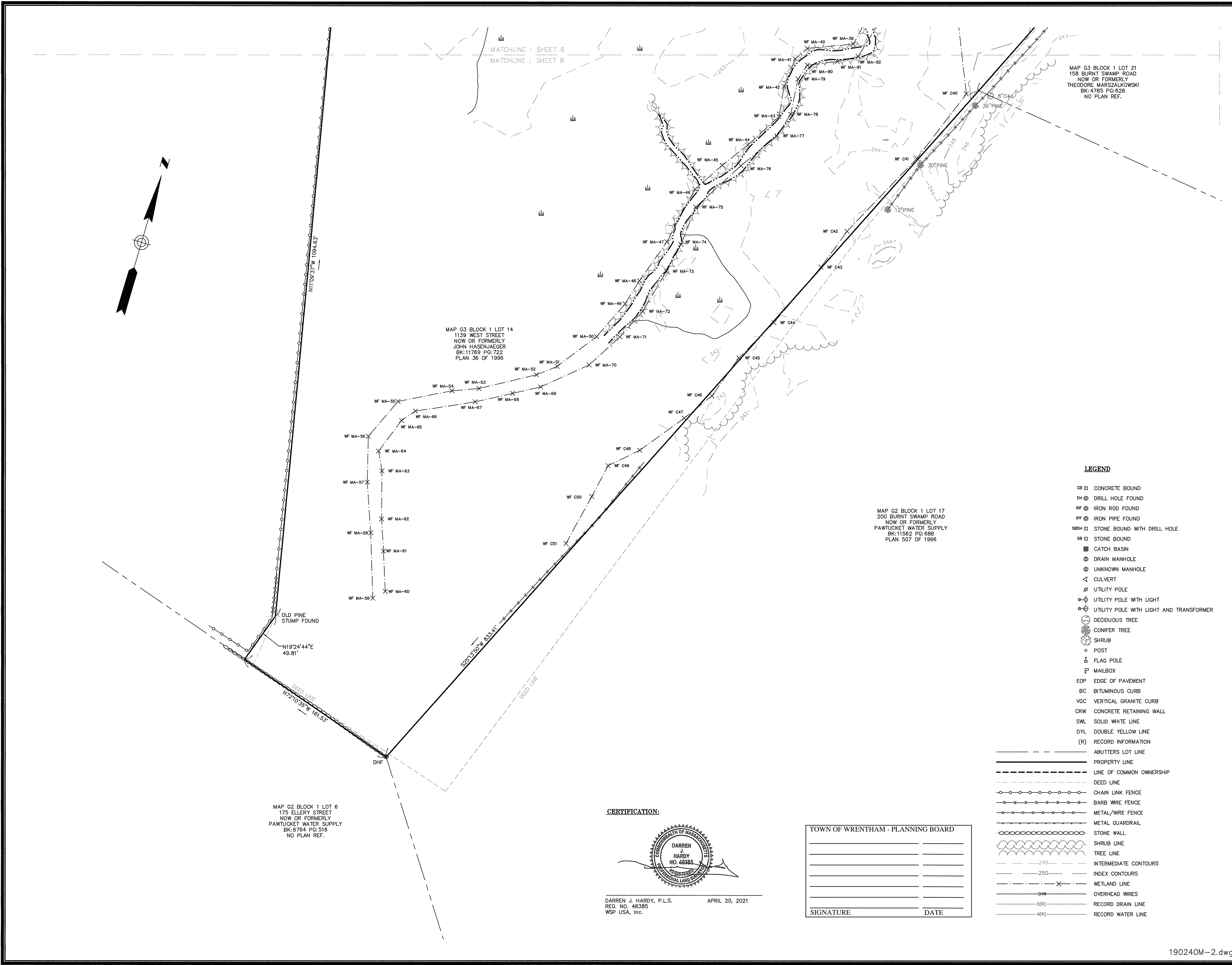
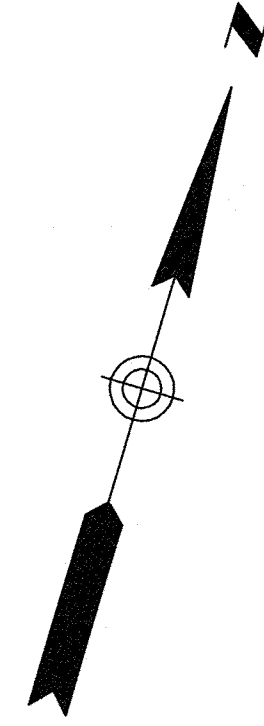
SIGNATURE	DATE



EXISTING CONDITIONS PLAN
20 HANCOCK & 1139 WEST STREET
WRENTHAM, MASSACHUSETTS
PREPARED FOR
HOWARD STEIN HUDSON



Drawn By	MS	Date	APRIL 20, 2021	Job No.	190240M
Surveyed By	JL,RZ	Scale	1" = 40'	Sheet No.	7
Checked By	DPP				
Book No.	M-5				



LOCUS MAP (N.T.S.)

- NOTES**
1. THIS PLAN WAS PREPARED FROM A COMBINATION OF AERIAL MAPPING AND AN ACTUAL ON THE GROUND FIELD SURVEY CONDUCTED BY WSP IN DECEMBER OF 2019 AND JANUARY AND FEBRUARY OF 2020. ADDITIONAL WETLAND FLAGS AND INFORMATION OBTAINED FROM AERIAL MAPPING WAS ADDED IN APRIL OF 2021.
 2. THE HORIZONTAL DATUM SHOWN HEREON IS REFERENCED TO THE NORTH AMERICAN DATUM OF 1983, MASSACHUSETTS STATE PLANE MAINLAND COORDINATE SYSTEM AND WAS ESTABLISHED UTILIZING RTK GPS SURVEY TECHNIQUES REFERENCING THE MACORS GPS NETWORK.
 3. THE VERTICAL DATUM SHOWN HEREON REFERENCES NAVD 88 AND WAS ESTABLISHED ON SITE UTILIZING RTK GPS SURVEY TECHNIQUES REFERENCING THE MACORS GPS NETWORK.
 4. THE SURVEYED PROPERTY IS SUBJECT BUT NOT LIMITED TO THE INFORMATION SHOWN HEREON. ALL INFORMATION THAT MAY AFFECT THE QUALITY OF THE TITLE TO BOTH THE SUBJECT AND ADJOINING PARCELS SHOULD BE VERIFIED BY AN ACCURATE AND CURRENT TITLE REPORT. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A CURRENT TITLE REPORT.
 5. THE UNDERGROUND UTILITY INFORMATION SHOWN HEREON LABELED WITH AN (R) ARE FROM RECORD DOCUMENTS. ADDITIONAL FIELD INVESTIGATION WILL BE REQUIRED BY OTHERS TO DETERMINE THE ACTUAL PIPE SIZE(S) AND TYPE(S).
 6. THE WETLAND FLAGS SHOWN HEREON WERE FLAGGED BY OTHERS AND LOCATED IN THE FIELD BY WSP AT THE TIME OF THE SURVEY.

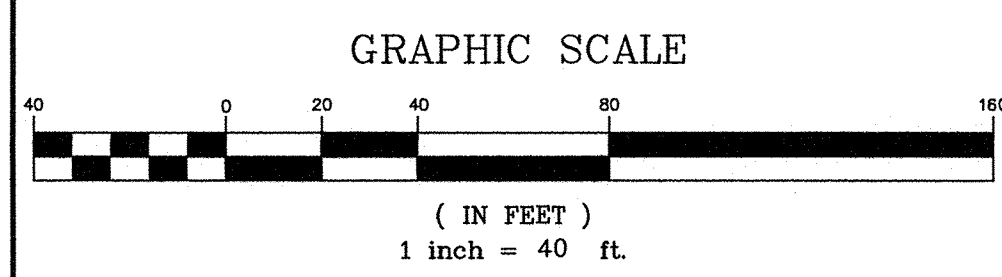
UTILITY STATEMENTS

THE LOCATION OF THE UTILITIES AS SHOWN HEREON HAVE BEEN COMPILED FROM VISIBLE STRUCTURES AND INFORMATION OBTAINED FROM VARIOUS SOURCES. THE ACTUAL LOCATION OF ALL UTILITIES AND UNDERGROUND STRUCTURES SHALL BE CONSIDERED APPROXIMATE AND SHALL BE VERIFIED BY THE OWNER PRIOR TO ANY CONSTRUCTION. THE SURVEYOR MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICES OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED.

- PLAN REFERENCES**
- NORFOLK COUNTY REGISTRY OF DEEDS
1. PLAN 36 OF 1996
 2. PLAN 202 OF 1989
 3. PLAN 337 OF 1999
 4. PLAN 402 OF 1989
 5. PLAN 492 OF 1955
 6. PLAN 507 OF 1996
 7. PLAN 940 OF 1970
 8. PLAN 758 OF 1984
 9. PLAN 1819 OF 1986
 10. LAND COURT PLAN NO. 27101A
 11. 1925 COUNTY LAYOUT OF WEST STREET

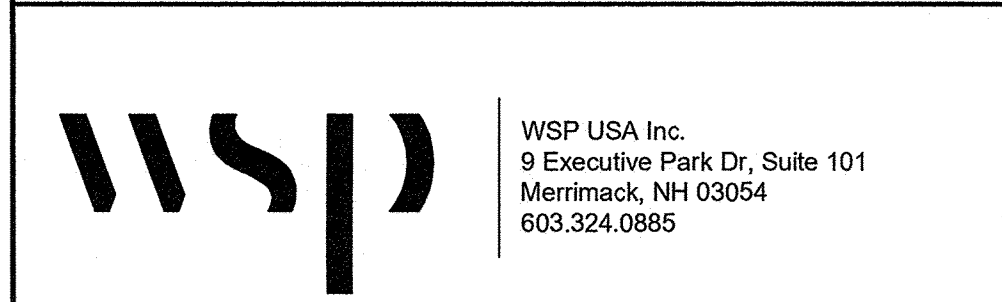
LEGEND

- CR □ CONCRETE BOUND
- DH ⊕ DRILL HOLE FOUND
- RF ⊕ IRON ROD FOUND
- IP ⊕ IRON PIPE FOUND
- SB ⊕ STONE BOUND WITH DRILL HOLE
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- (R) RECORD DRAIN LINE
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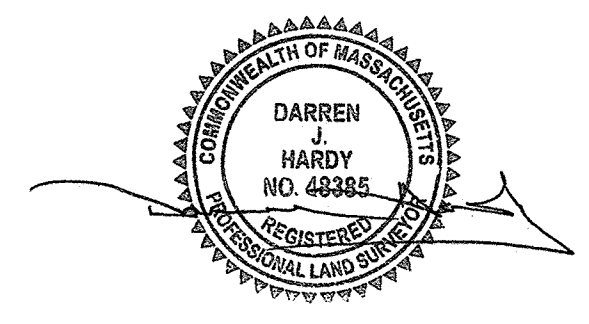


REVISION	DATE	DESCRIPTION

EXISTING CONDITIONS PLAN
 20 HANCOCK & 1139 WEST STREET
 WRENTHAM, MASSACHUSETTS
 PREPARED FOR
HOWARD STEIN HUDSON



CERTIFICATION:

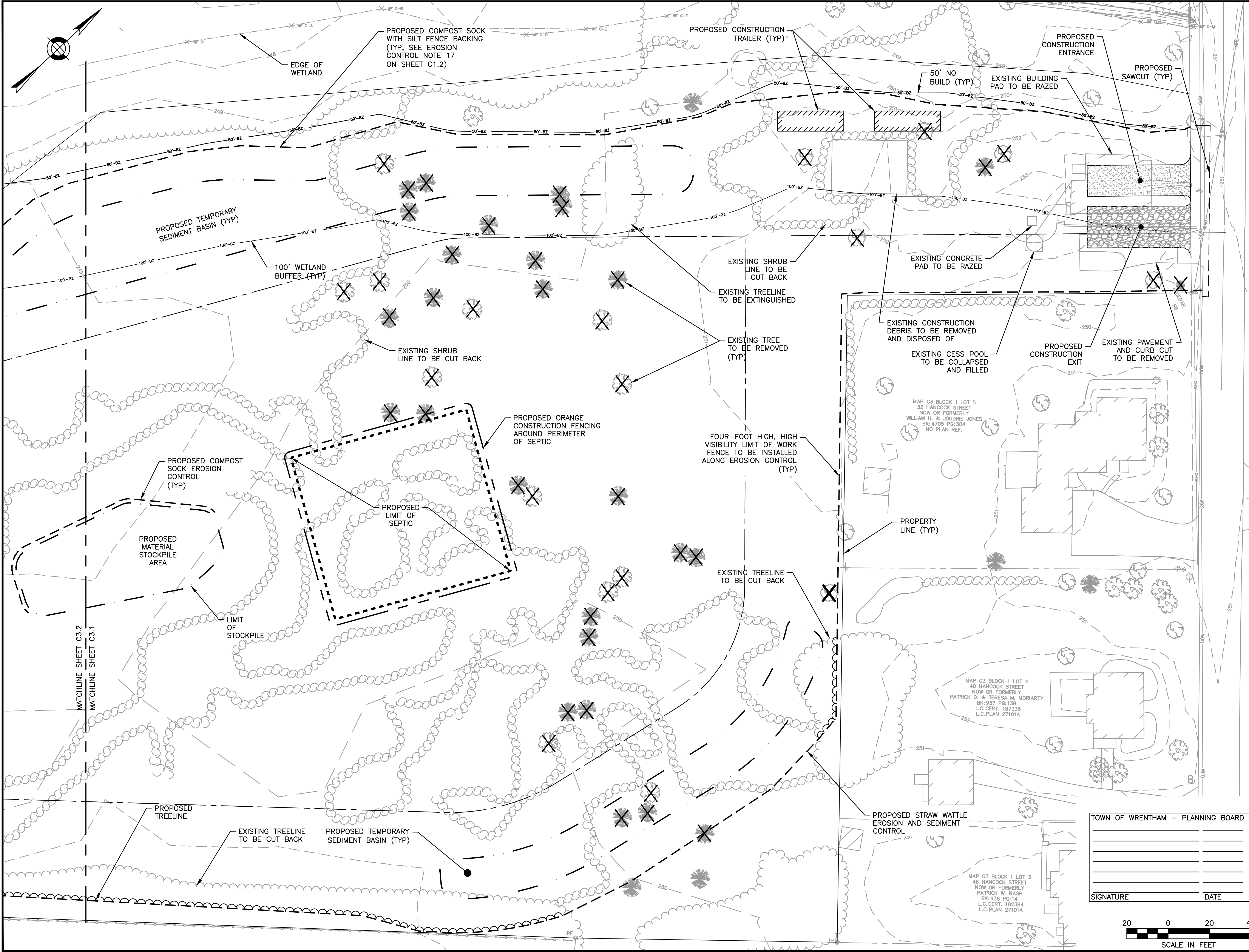


DARREN J. HARDY, P.L.S. APRIL 20, 2021
 REG. NO. 48385
 WSP USA, Inc.

TOWN OF WRENTHAM - PLANNING BOARD

SIGNATURE DATE

Drawn By	MS	Date	APRIL 20, 2021	Job No.	190240M
Surveyed By	JL,RZ	Scale	1" = 40'	Sheet No.	8
Checked By	DPP				
Book No.	M-5				



HOWARD STEIN HUDSON
 114 Turnpike Road, Suite 2C
 Chelmsford, MA 01824
 www.hshassoc.com

PREPARED FOR:
 SHELDON MEADOW, LLC.
 480 TURNPIKE STREET
 SOUTH EASTON, MA 02375

SHELDON MEADOW
 20 HANCOCK STREET
 WRENTHAM, MA 02093
 NORFOLK COUNTY

REVISIONS:

NO	BY	DATE	DESCRIPTION
1	KL	9/13/22	PEER REVIEW



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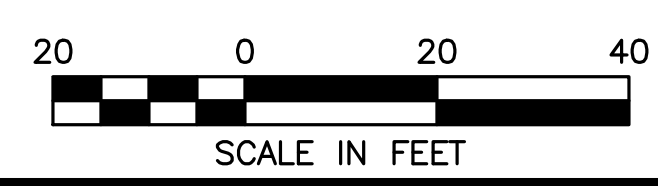
DEMOLITION AND EROSION CONTROL SHEET
 1 OF 2

DATE: APRIL 11, 2022
 PROJECT NUMBER: 19227.01
 DESIGNED BY: KL/KF/MB
 DRAWN BY: KL/KF/MB
 CHECKED BY: KE

C3.1
 SHEET 10 OF 36

TOWN OF WRENTHAM - PLANNING BOARD

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 SOUTH EASTON, MA 02375

SHELDON MEADOW
 20 HANCOCK STREET
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 NORFOLK COUNTY

REVISIONS:

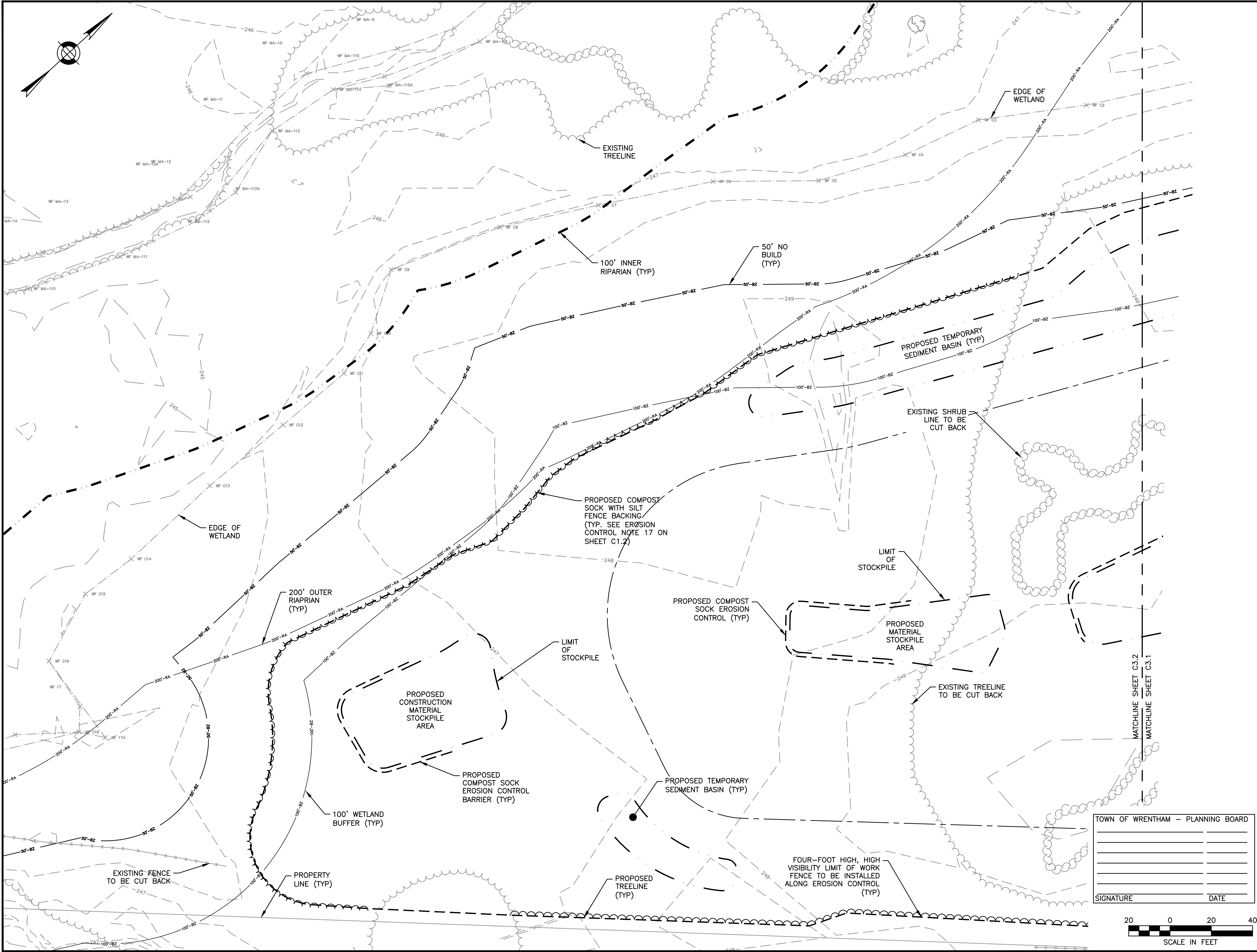
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1	KL	9/13/22	PEER REVIEW



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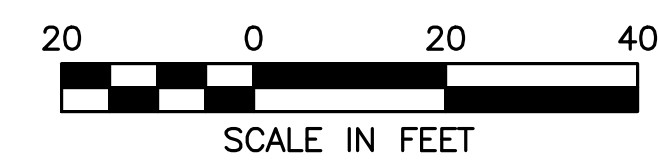
DEMOLITION AND EROSION CONTROL SHEET 2 OF 2

DATE: APRIL 11, 2022
 PROJECT NUMBER: 19227.01
 DESIGNED BY: KL/KF/MB
 DRAWN BY: KL/KF/MB
 CHECKED BY: KE

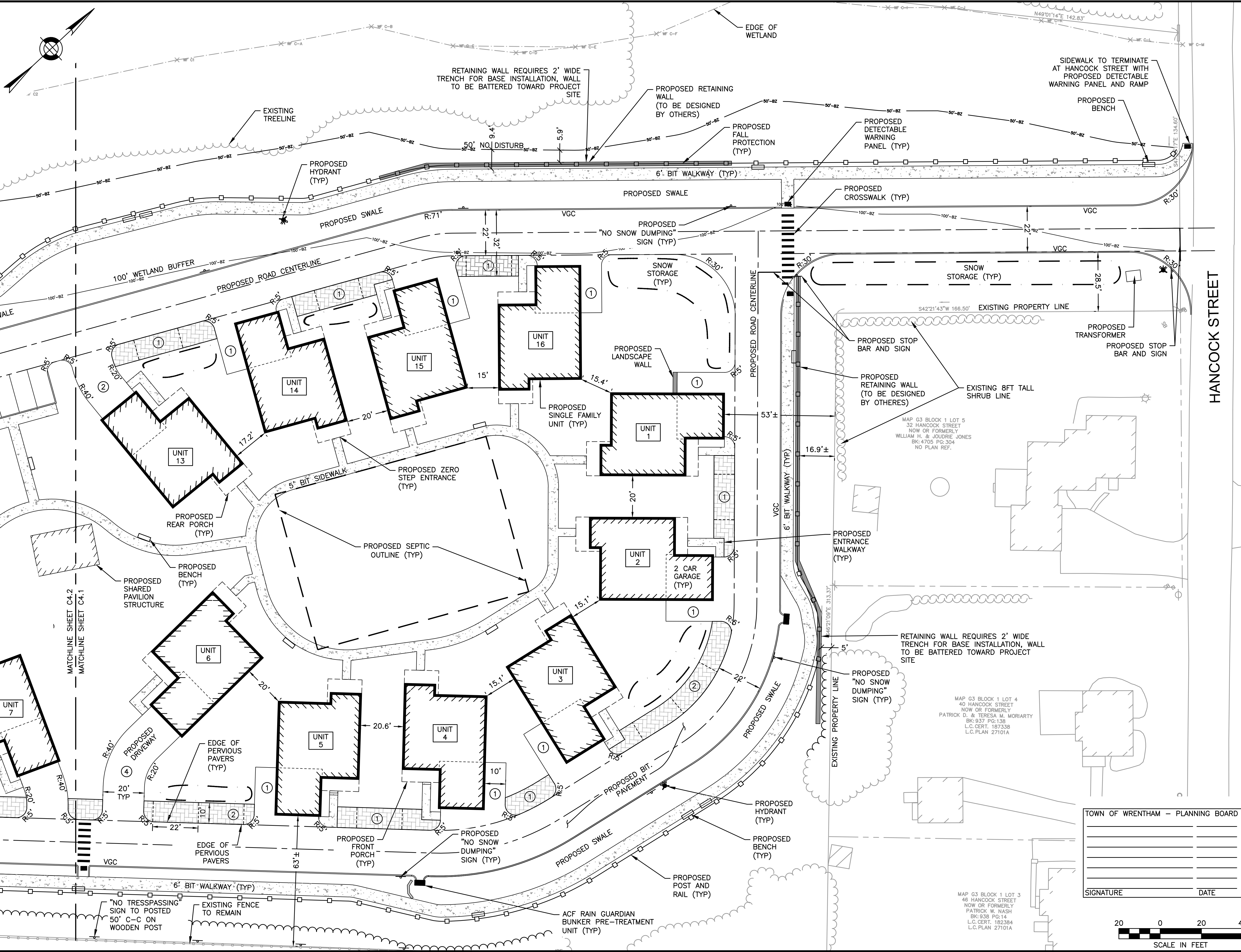


TOWN OF WRENTHAM – PLANNING BOARD

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 WRENTHAM, MA 02093
 NORFOLK COUNTY

HANCOCK STREET

REVISIONS:

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SITE PLAN

LAYOUT AND MATERIALS
 SHEET
 1 OF 2

DATE:	APRIL 11, 2022
PROJECT NUMBER:	19227.01
DESIGNED BY:	KL/MB
DRAWN BY:	KL/MB/NC
CHECKED BY:	KE

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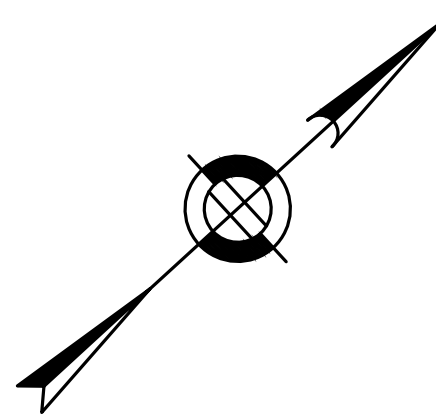
SHEET 12 OF 36

TOWN OF WRENTHAM - PLANNING BOARD

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 Date Saved by: MARIANNE BAKER



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 20 HANCOCK STREET
 WRENTHAM, MA 02093
 NORFOLK COUNTY

REVISIONS:

NO	BY	DATE	DESCRIPTION
1	KL	9/13/22	PEER REVIEW



SITE PLAN

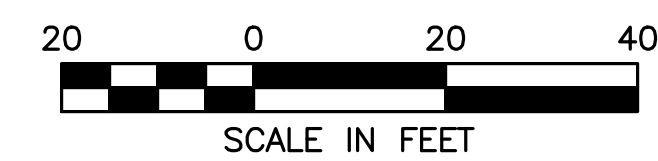
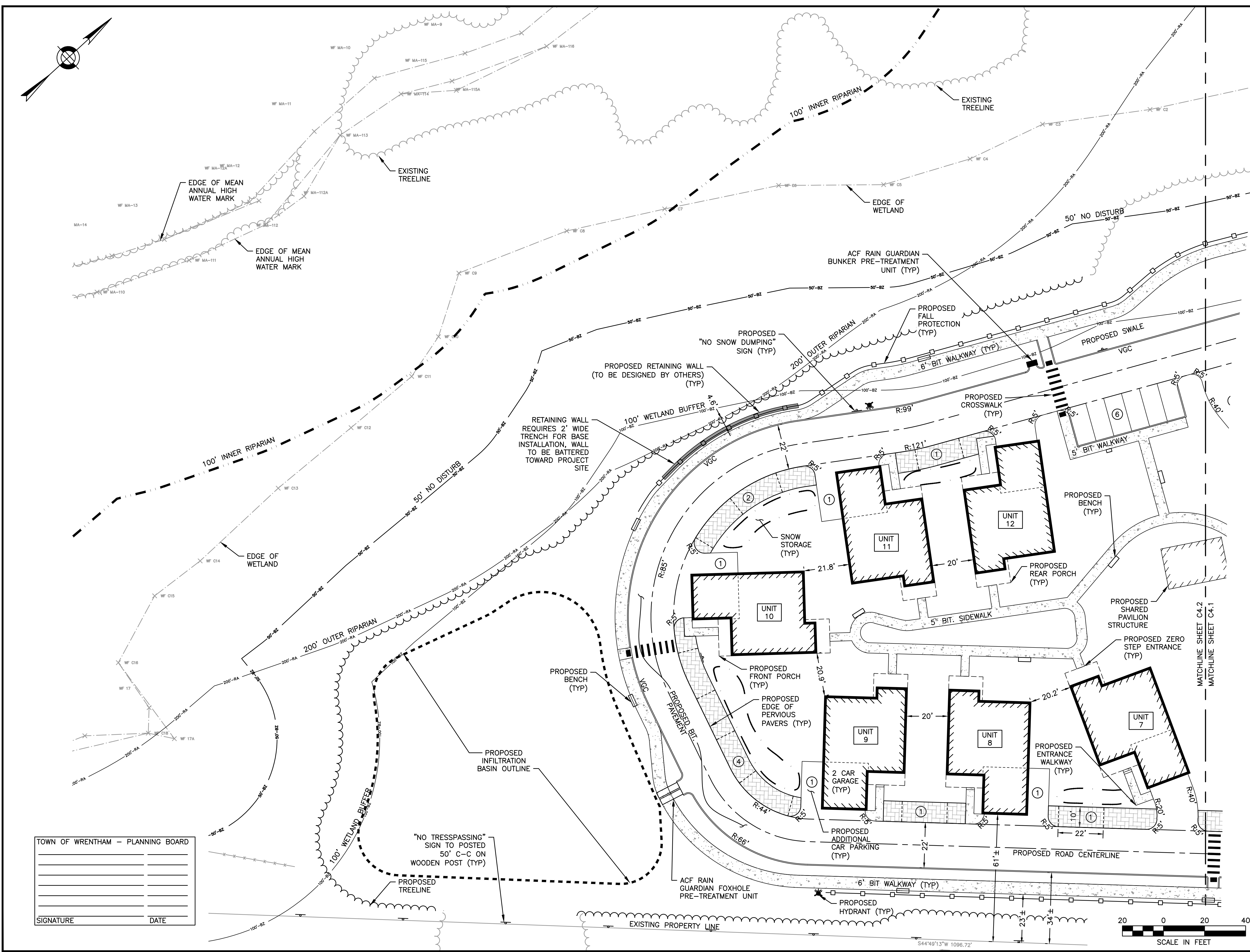
LAYOUT AND MATERIALS
SHEET 2 OF 2

DATE:	APRIL 11, 2022
PROJECT NUMBER:	19227.01
DESIGNED BY:	KL/MB
DRAWN BY:	KL/MB/NC
CHECKED BY:	KE

TOWN OF WRENTHAM - PLANNING BOARD

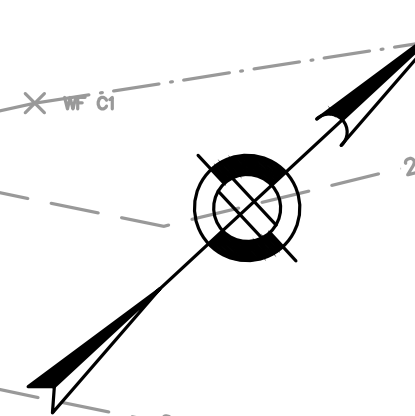
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 SOUTH EASTON, MA 02375

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 NORFOLK COUNTY

REVISIONS:

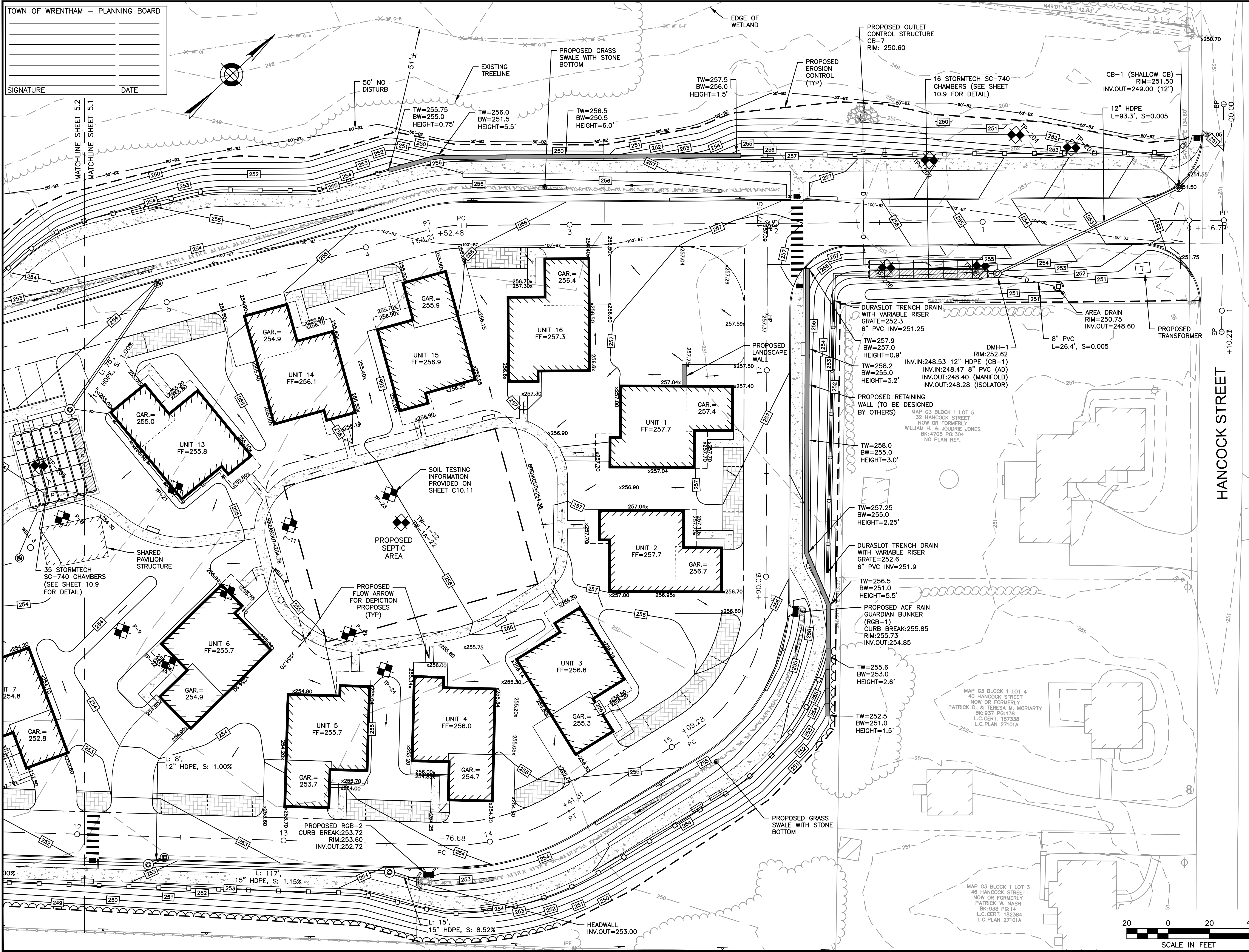
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SITE PLAN

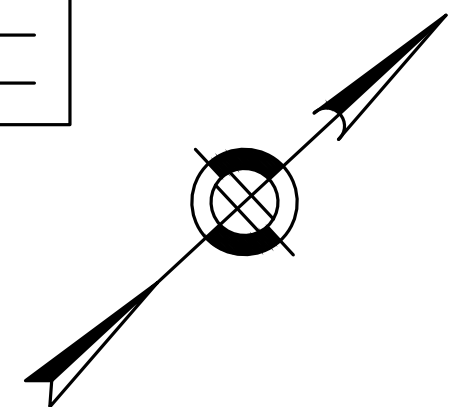
GRADING AND DRAINAGE
 SHEET 1 OF 2

DATE:	APRIL 11, 2022
PROJECT NUMBER:	19227.01
DESIGNED BY:	KL/MB
DRAWN BY:	KL/MB/NC
CHECKED BY:	KE
	C5.1
	SHEET 14 OF 36



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 480 TURNPIKE ST
 SOUTH EASTON, MA 02375

SHELDON MEADOW
 20 HANCOCK STREET
 WRENTHAM, MA 02093
 NORFOLK COUNTY

REVISIONS:

NO	BY	DATE	DESCRIPTION
1	KL	9/13/22	PEER REVIEW

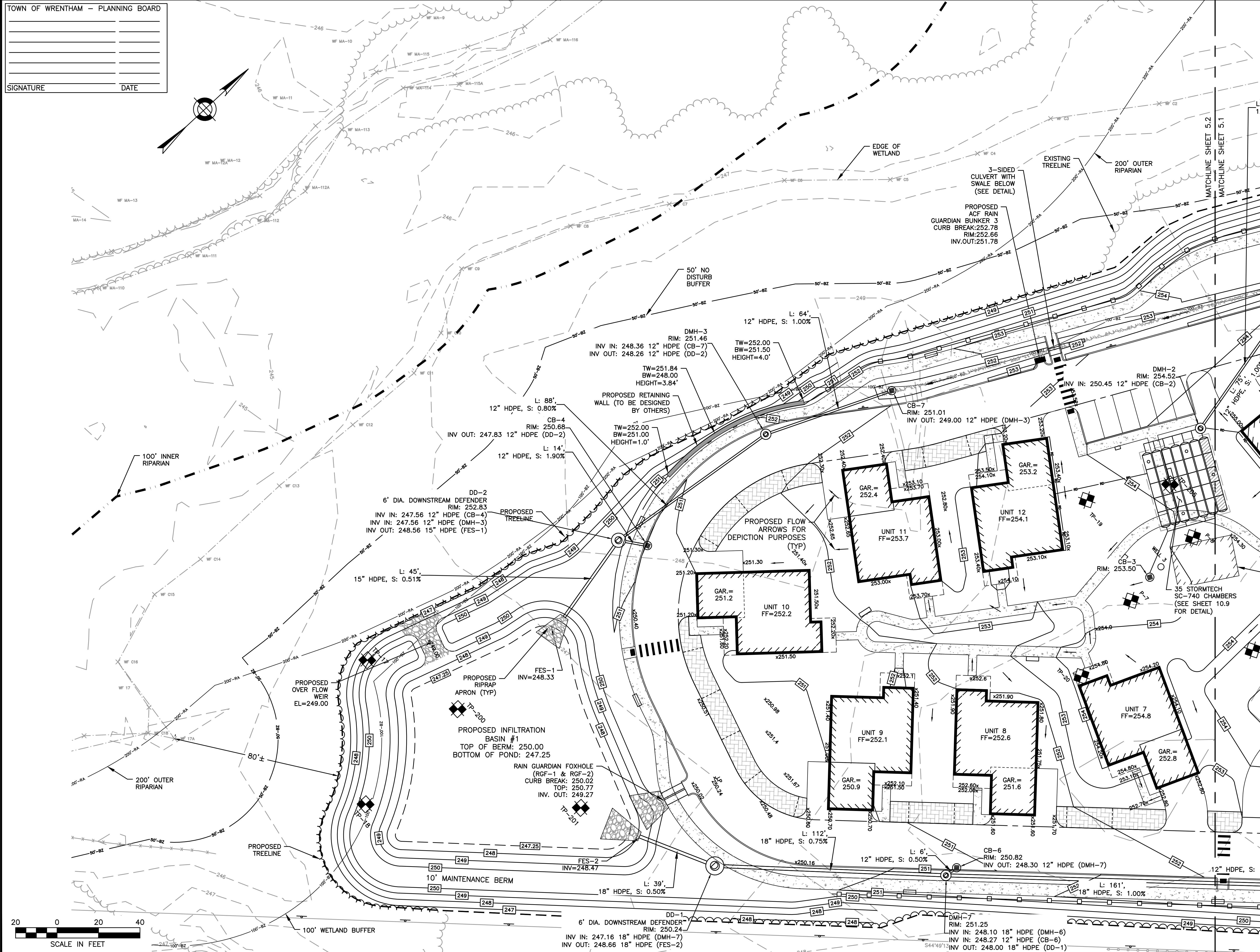


SITE PLAN

GRADING AND DRAINAGE
 SHEET 2 OF 2

DATE: APRIL 11, 2022
 PROJECT NUMBER: 19227.01
 DESIGNED BY: KL/MB
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 480 TURNPIKE ST
 SOUTH EASTON, MA 02375

SHELDON MEADOW
 20 HANCOCK STREET
 WRENTHAM, MA 02093
 NORFOLK COUNTY

REVISIONS:

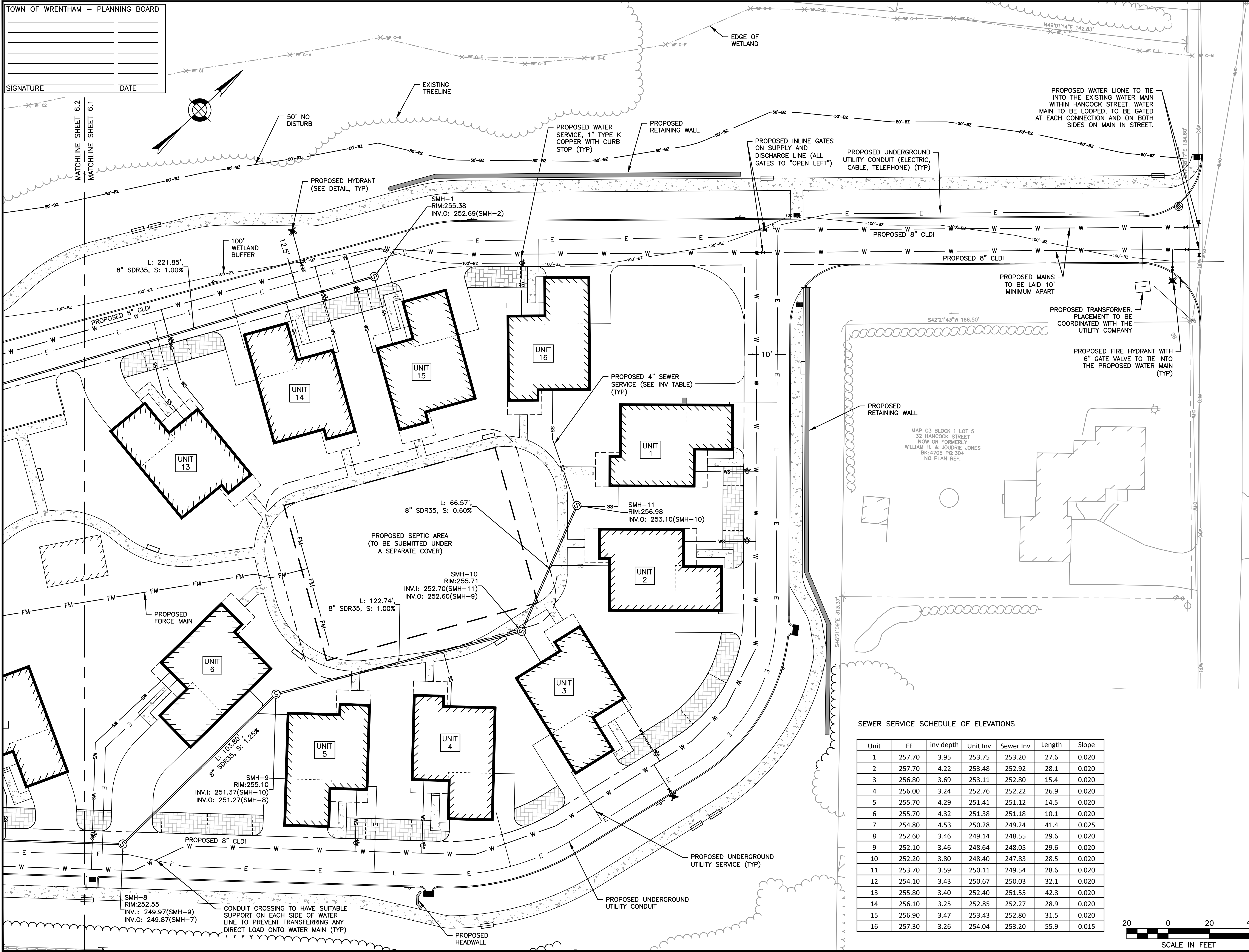
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1	KL	9/13/22	PERFORMANCES



SITE PLAN

UTILITY PLANS
 SHEET 1 OF 2

DATE: APRIL 11, 2022
 PROJECT NUMBER: 19227.01
 DESIGNED BY: KL/MB
 DRAWN BY: KL/MB/NC
 CHECKED BY: KE



SEWER SERVICE SCHEDULE OF ELEVATIONS

Unit	FF	inv depth	Unit Inv	Sewer Inv	Length	Slope
1	257.70	3.95	253.75	253.20	27.6	0.020
2	257.70	4.22	253.48	252.92	28.1	0.020
3	256.80	3.69	253.11	252.80	15.4	0.020
4	256.00	3.24	252.76	252.22	26.9	0.020
5	255.70	4.29	251.41	251.12	14.5	0.020
6	255.70	4.32	251.38	251.18	10.1	0.020
7	254.80	4.53	250.28	249.24	41.4	0.025
8	252.60	3.46	249.14	248.55	29.6	0.020
9	252.10	3.46	248.64	248.05	29.6	0.020
10	252.20	3.80	248.40	247.83	28.5	0.020
11	253.70	3.59	250.11	249.54	28.6	0.020
12	254.10	3.43	250.67	250.03	32.1	0.020
13	255.80	3.40	252.40	251.55	42.3	0.020
14	256.10	3.25	252.85	252.27	28.9	0.020
15	256.90	3.47	253.43	252.80	31.5	0.020
16	257.30	3.26	254.04	253.20	55.9	0.015



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 Printed by: Matthew Butler

SIGNATURE _____ DATE _____

Unit	FF	inv depth	Unit Inv	Sewer Inv	Length	Slope
1	257.70	3.95	253.75	253.20	27.6	0.020
2	257.70	4.22	253.48	252.92	28.1	0.020
3	256.80	3.69	253.11	252.80	15.4	0.020
4	256.00	3.24	252.76	252.22	26.9	0.020
5	255.70	4.29	251.41	251.12	14.5	0.020
6	255.70	4.32	251.38	251.18	10.1	0.020
7	254.80	4.53	250.28	249.24	41.4	0.025
8	252.60	3.46	249.14	248.55	29.6	0.020
9	252.10	3.46	248.64	248.05	29.6	0.020
10	252.20	3.80	248.40	247.83	28.5	0.020
11	253.70	3.59	250.11	249.54	28.6	0.020
12	254.10	3.43	250.67	250.03	32.1	0.020
13	255.80	3.40	252.40	251.55	42.3	0.020
14	256.10	3.25	252.85	252.27	28.9	0.020
15	256.90	3.47	253.43	252.80	31.5	0.020
16	257.30	3.26	254.04	253.20	55.9	0.015

PREPARED FOR:
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 SOUTH EASTON, MA 02375

SHELDON MEADOW
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 WRENTHAM, MA 02093
 NORFOLK COUNTY

REVISIONS:

NO	BY	DATE	DESCRIPTION
1	KL	9/13/22	PEER REVIEW

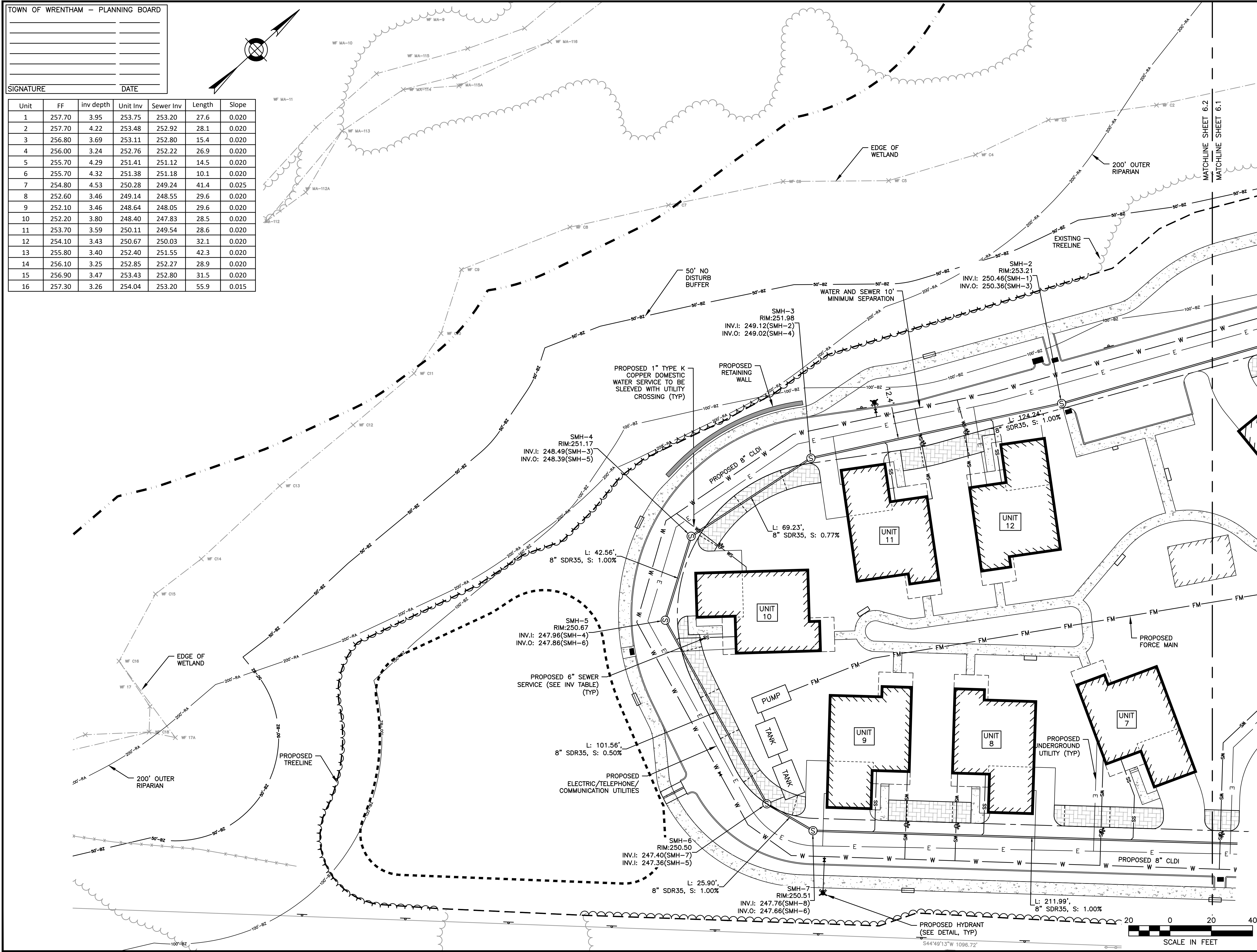


SITE PLAN

UTILITY PLAN
 SHEET 2 OF 2

DATE:	APRIL 11, 2022
PROJECT NUMBER:	19227.01
DESIGNED BY:	KL/MB
DRAWN BY:	KL/MB/NC
CHECKED BY:	KE

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 Plotted by: Matthew Baker





HOWARD STEIN HUDSON
 114 Turnpike Road, Suite 2C
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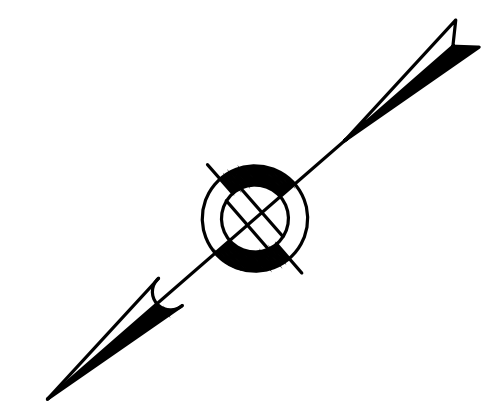
SITE PLAN

PLAN AND PROFILE
SHEET 1 OF 4

DATE: APRIL 11, 2022
 PROJECT NUMBER: 19227.01
 DESIGNED BY: KL/MB
 DRAWN BY: KL/MB/NC
 CHECKED BY: KE

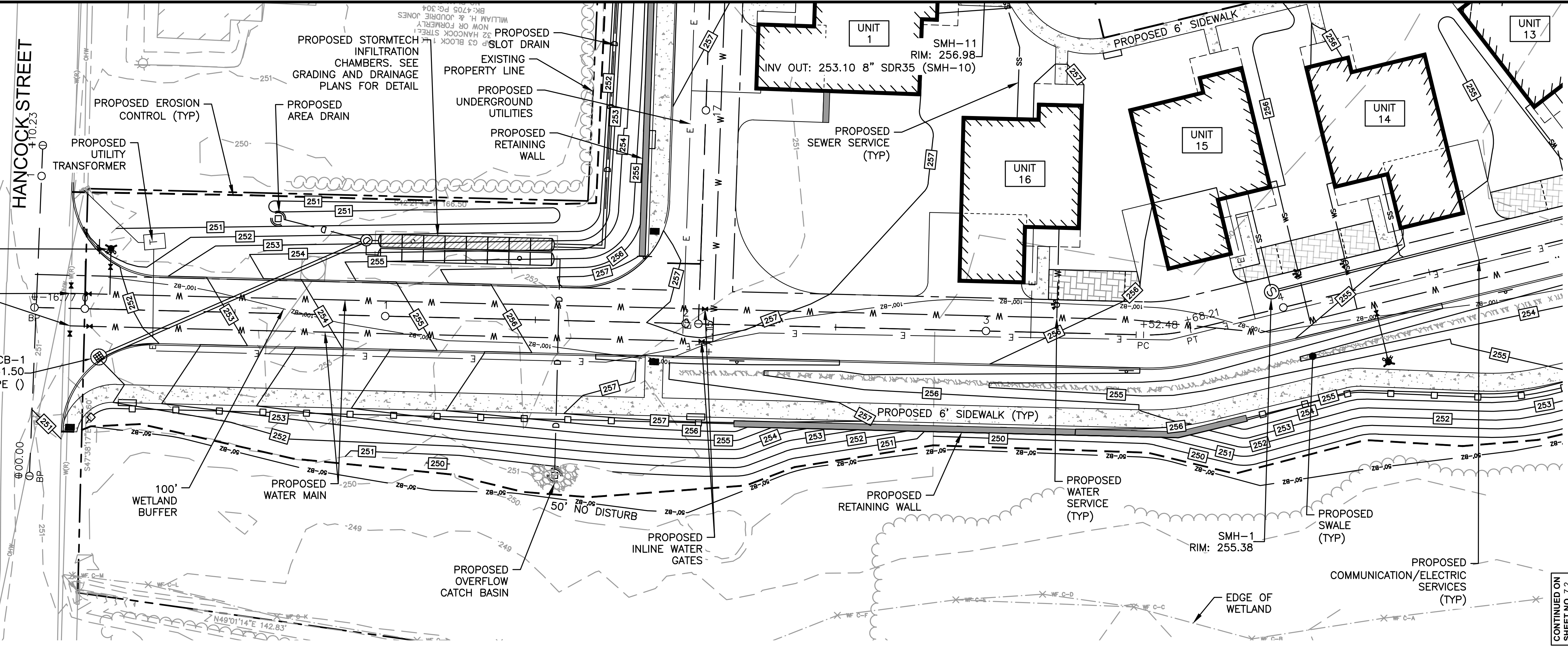
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SHEET 18 OF 36

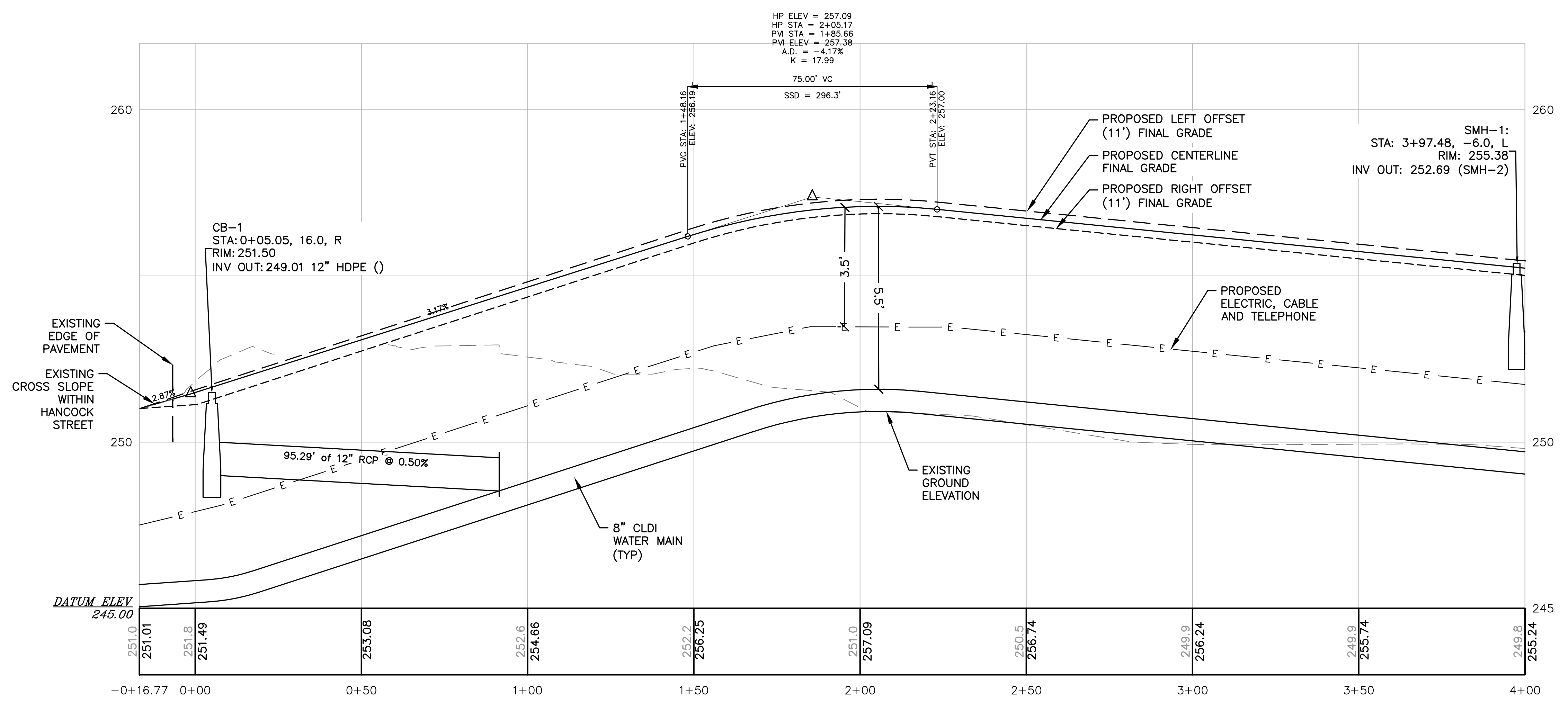


REFER TO UTILITY PLANS FOR SPECIFIC NOTES FOR WATER CONNECTIONS

CB-1
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 INV OUT: 249.01 12" HDPE ()



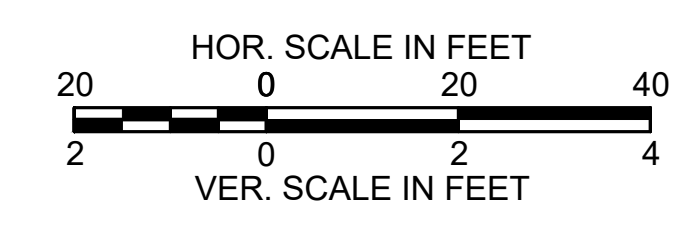
SHELDON MEADOW: STATIONS -0+16.77 - 4+00



TOWN OF WRENTHAM - PLANNING BOARD

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 DATE



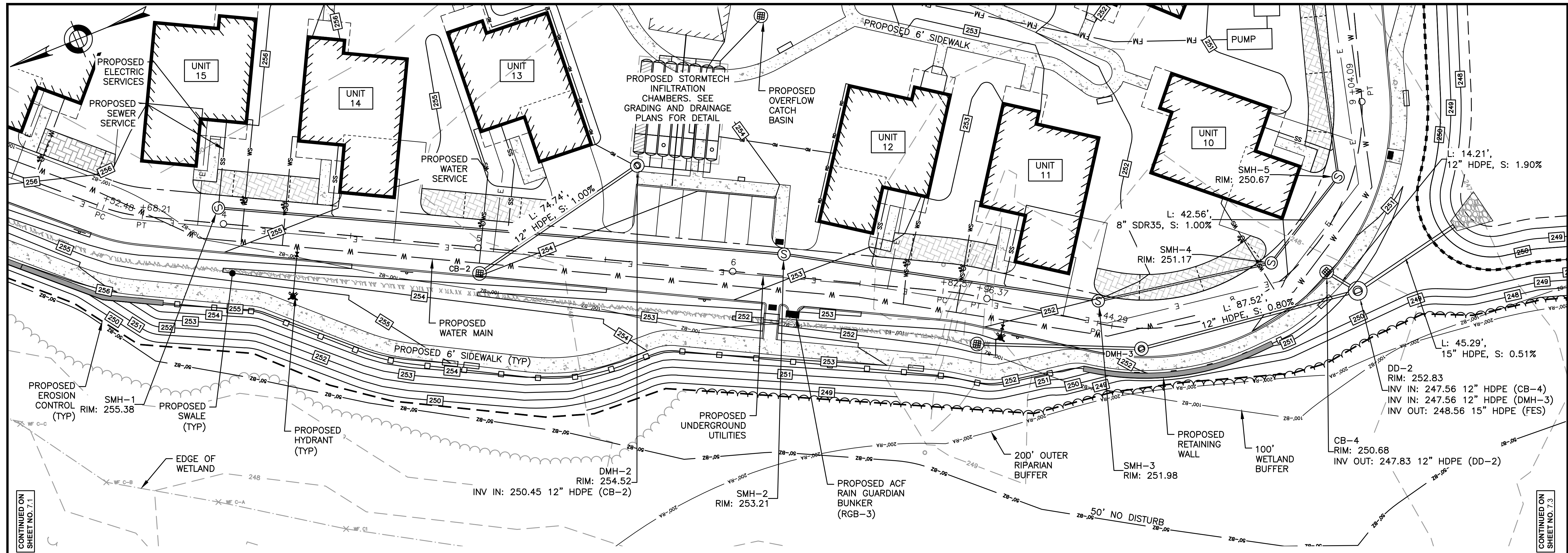
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 Printed by: Matthew Baker



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SHELDON MEADOW
 20 HANCOCK STREET
 WRENTHAM, MA 02093



CONTINUED ON SHEET NO. 7.1

CONTINUED ON SHEET NO. 7.3

REVISIONS:

NO	BY	DATE	DESCRIPTION
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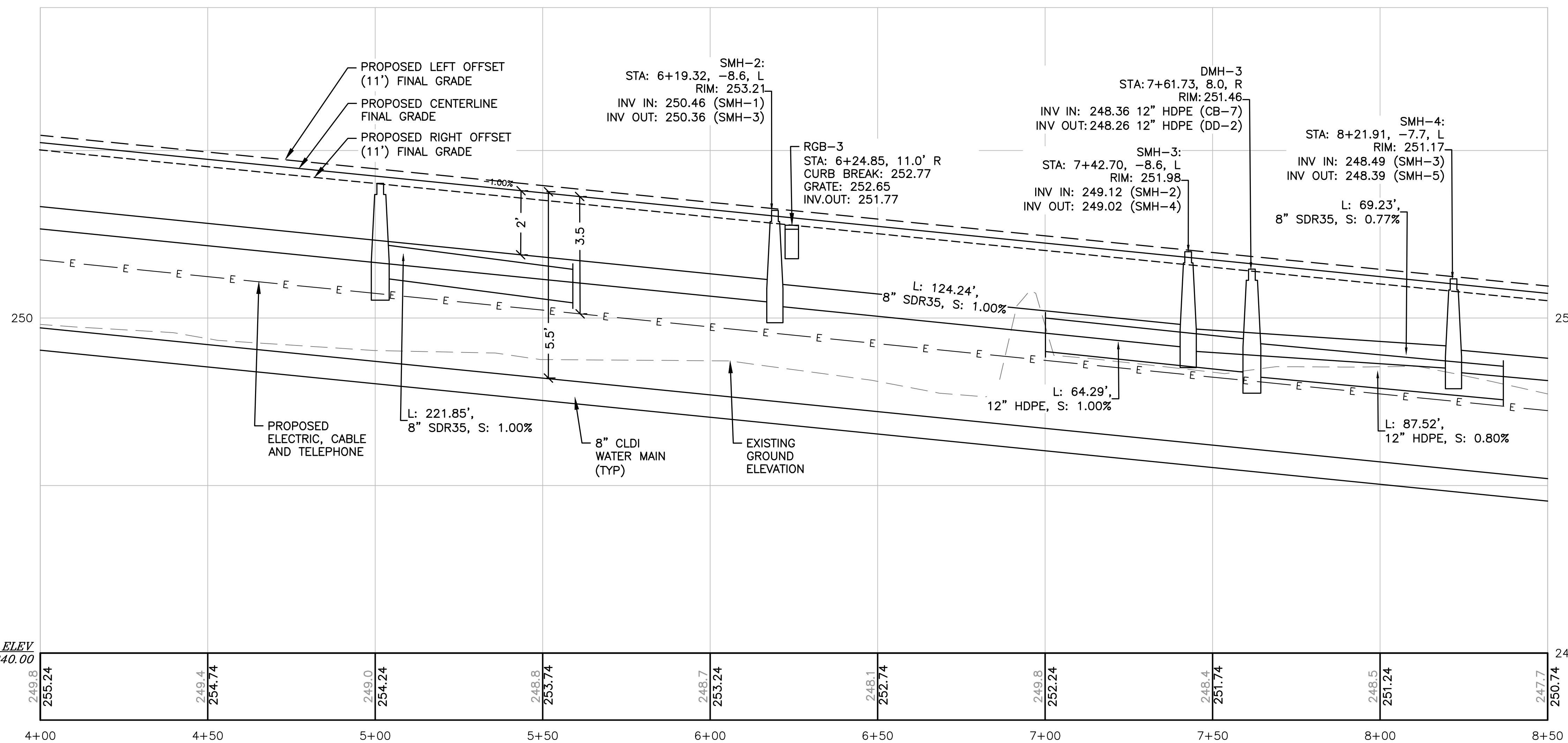
SITE PLAN

PLAN AND PROFILE
 SHEET 2 OF 4

DATE: APRIL 11, 2022
 PROJECT NUMBER: 19227.01
 DESIGNED BY: KL/MB
 DRAWN BY: KL/MB/NC
 CHECKED BY: KE

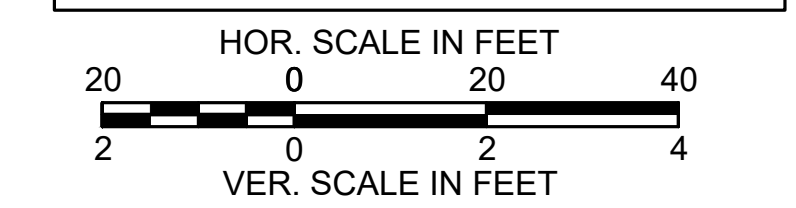
C7.2

SHEET 19 OF 36



TOWN OF WRENTHAM - PLANNING BOARD

SIGNATURE DATE





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 114 Turnpike Road, Suite 2C
 Chelmsford, MA 01824
 www.hshassoc.com

PREPARED FOR:
 SHELDON MEADOW, LLC.
 480 TURNPIKE STREET
 SOUTH EASTON, MA 02375

SHELDON MEADOW
 20 HANCOCK STREET
 WRENTHAM, MA 02093

REVISIONS:

NO	BY	DATE	DESCRIPTION
1	KL	9/13/22	PEER REVIEW

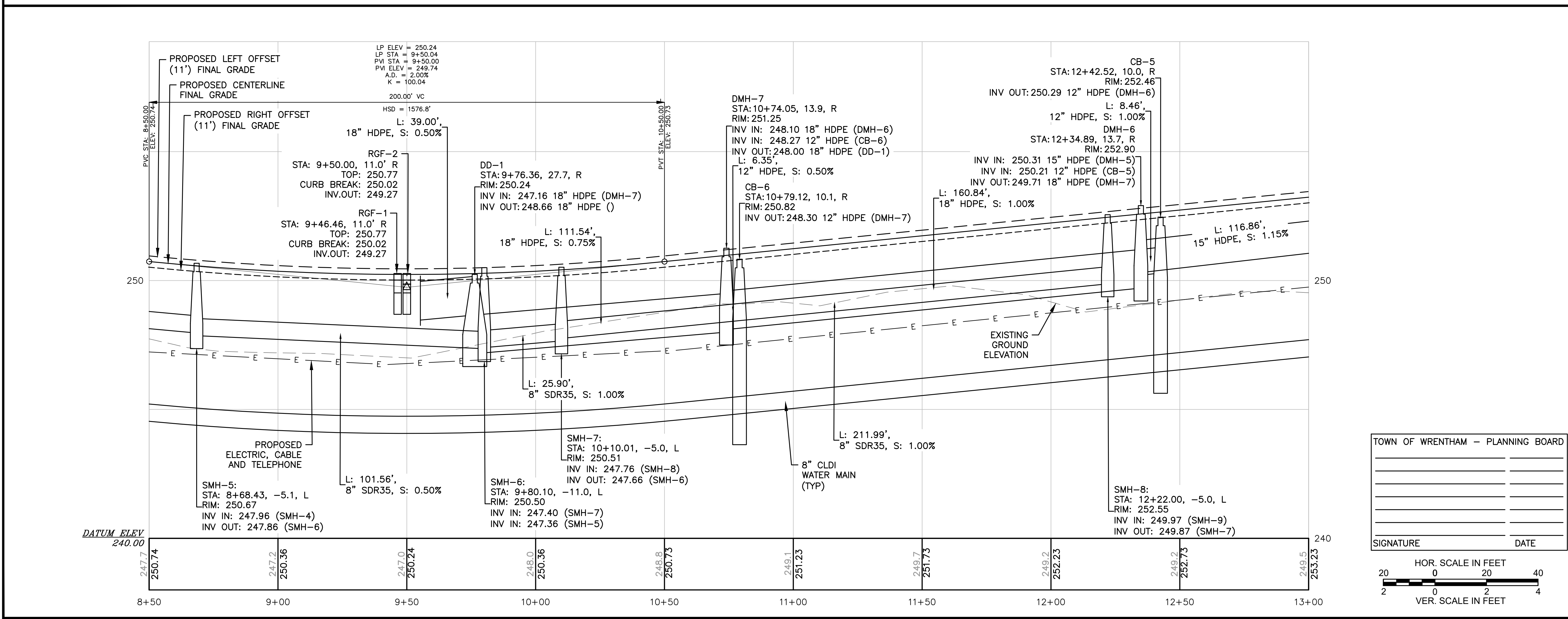
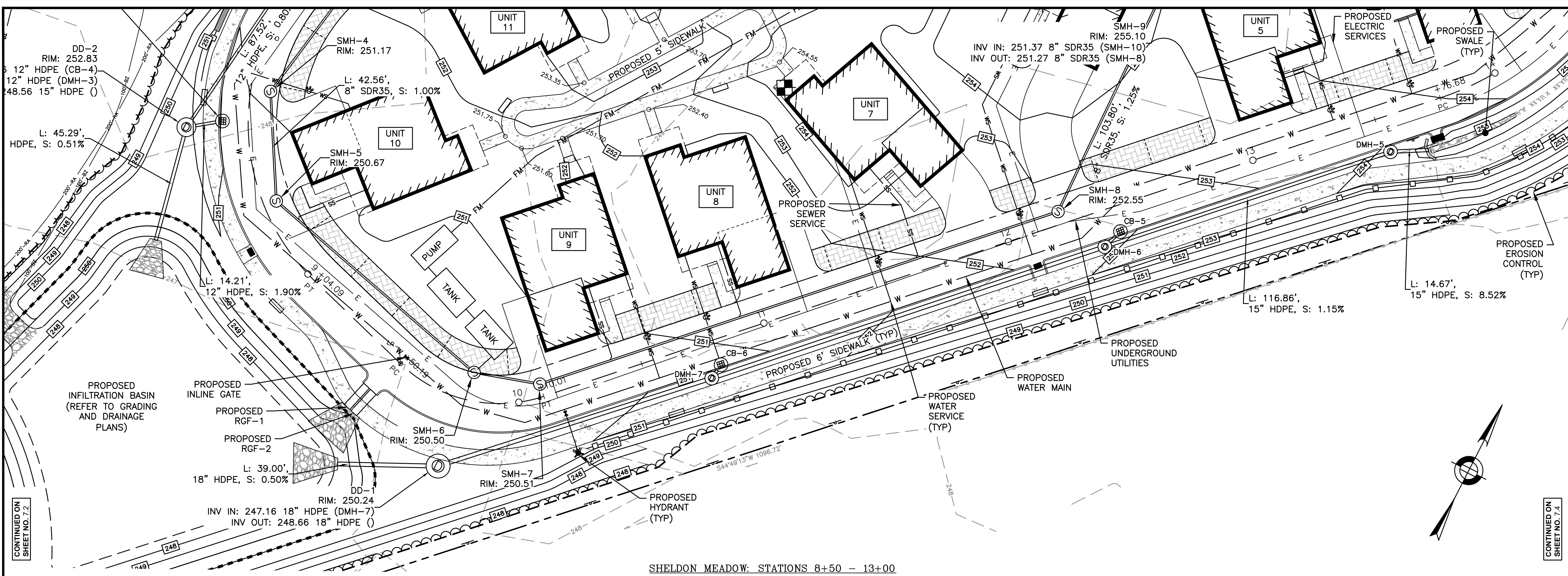


SITE PLAN

PLAN AND PROFILE SHEET 3 OF 4

DATE:	APRIL 11, 2022
PROJECT NUMBER:	19227.01
DESIGNED BY:	KL/MB
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C7.3
 SHEET 20 OF 36

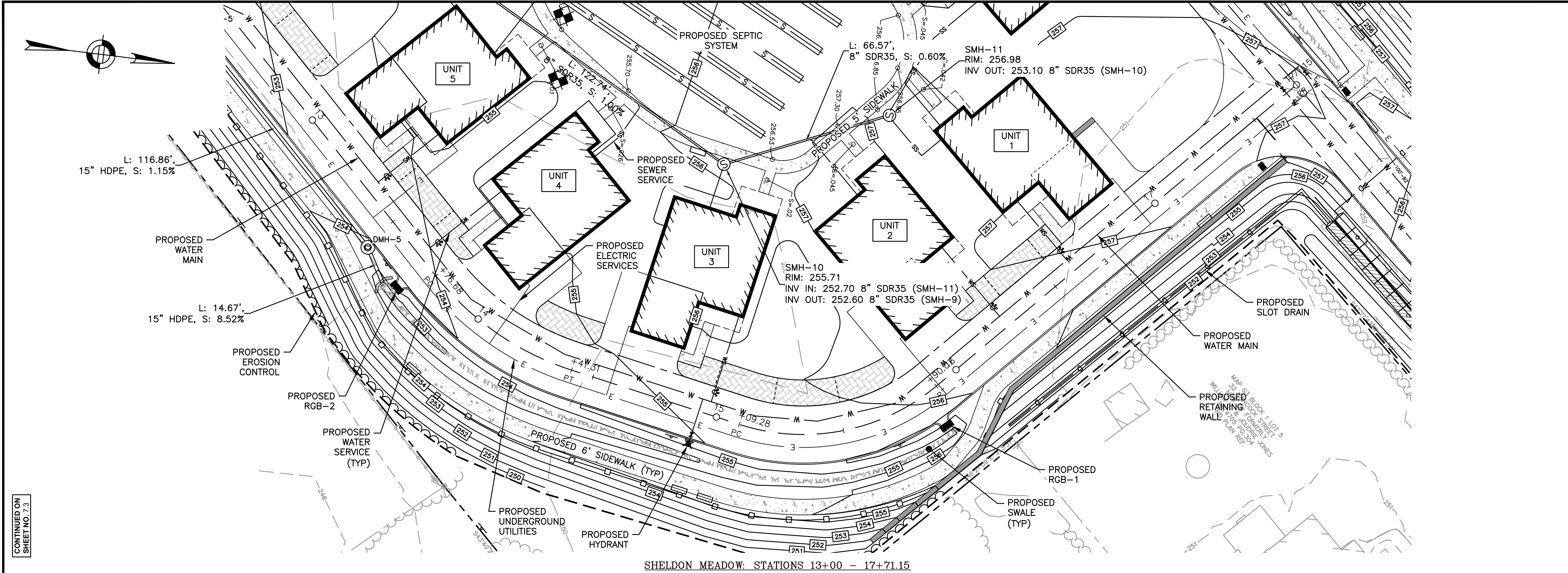


TOWN OF WRENTHAM - PLANNING BOARD

SIGNATURE	DATE
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HOR. SCALE IN FEET
 0 20 40
 VER. SCALE IN FEET
 0 2 4

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CONTINUED ON
SHEET NO. 7.3

REVISIONS:

NO	BY	DATE	DESCRIPTION
1	KL	9/13/22	PEER REVIEW



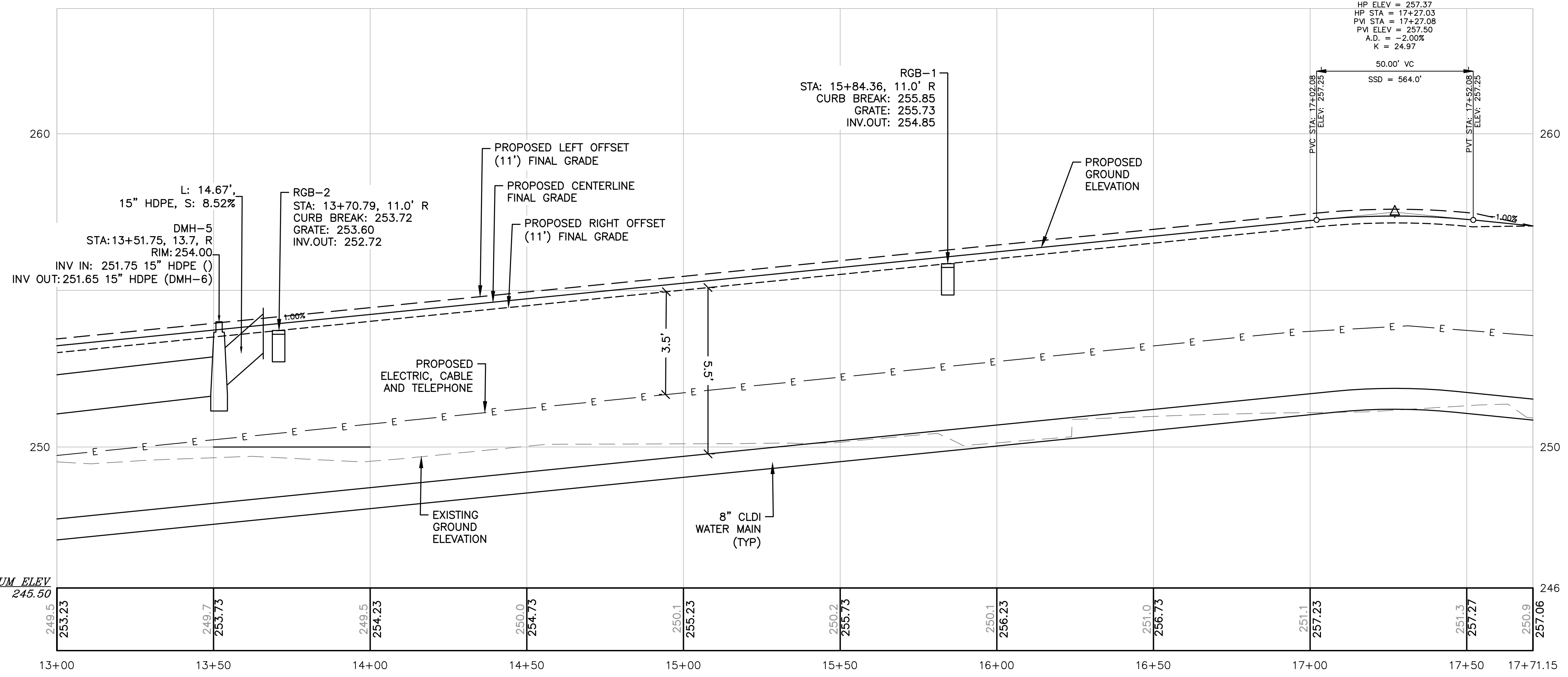
SITE PLAN

PLAN AND PROFILE
SHEET 4 OF 4

DATE: APRIL 11, 2022
PROJECT NUMBER: 19227.01
DESIGNED BY: KL/MB
DRAWN BY: KL/MB/NC
CHECKED BY: KE

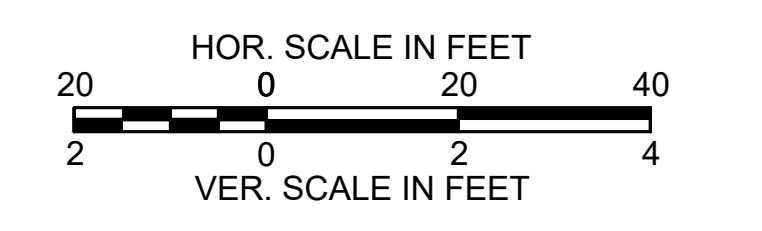
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SHEET 21 OF 36



TOWN OF WRENTHAM - PLANNING BOARD

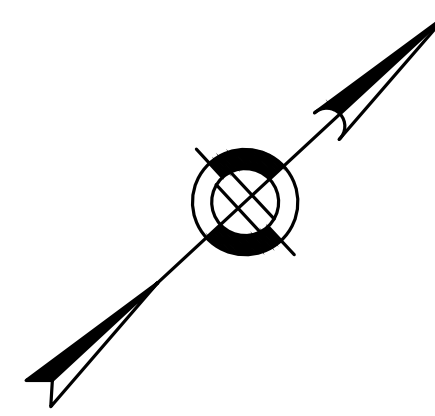
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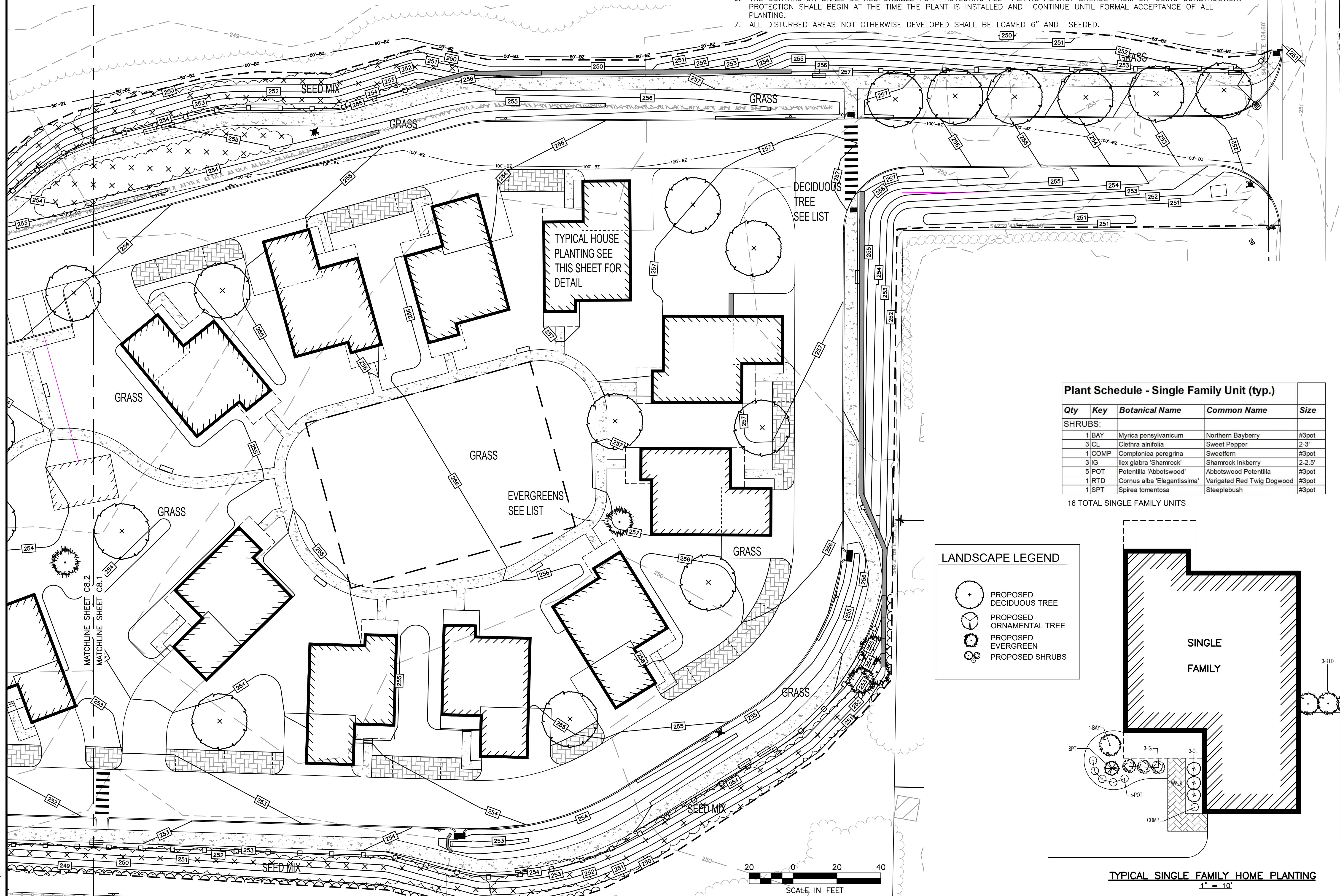


GENERAL LANDSCAPE NOTES:

1. AREAS NOT OTHERWISE DEVELOPED SHALL RECEIVE MINIMUM 6" COMPACTED DEPTH SCREENED LOAM.
2. EXISTING LOAM TO BE STOKPILED FOR REUSE.
3. FINISH COVER OVER PLANTING BED SHALL INCLUDE 3" MINIMUM DEPTH PINE MULCH.
4. FINISH SURFACE SHALL BE GRADED FROM A HIGH POINT AT CENTER OF ISLAND OUT TO THE BACK OF CURB. SEE GRADING, DRAINAGE AND PAVING PLAN FOR FINISH GRADES.
5. AT A MINIMUM, TREES AND SHRUBS SHALL BE WATERED BY FLOODING AS FOLLOWS: MONTH 0-3: ONCE PER WEEK MONTH 3-6: TWICE PER MONTH MONTH 6-12: ONCE PER MONTH INCREASE WATERING FREQUENCY TO ACCOUNT FOR DROUGHT CONDITIONS AS REQUIRED.
6. TURF AREAS TO BE WATERED AND MOWED UNTIL ACCEPTED.
7. CONSERVATION SEED MIX AREA TO BE WATERED IF NECESSARY FOR ESTABLISHMENT

PLANTING NOTES

1. THE NUMBER OF EACH INDIVIDUAL PLANT TYPE AND SIZE IS PROVIDED IN THE PLANT LIST FOR CONTRACTORS CONVENIENCE ONLY. IF A DISCREPANCY EXISTS BETWEEN THE NUMBER OF PLANTS ON THE LIST AND THE NUMBER SHOWN ON THE DRAWING, THE GREATER NUMBER SHALL APPLY.
2. ALL PLANT MATERIAL SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT OR THE OWNER'S REPRESENTATIVE PRIOR TO ARRIVAL ON SITE.
3. PLANT MATERIAL SHALL BEAR THE SAME RELATIONSHIP TO FINISHED GRADE AS TO THE ORIGINAL PLANTING GRADE.
4. THE CONTRACTOR SHALL LOCATE AND MARK ALL UTILITIES PRIOR TO PLANTING. ANY CONFLICTS BETWEEN PLANTING AND UTILITIES SHALL BE IMMEDIATELY REPORTED TO THE LANDSCAPE ARCHITECT SO THAT ALTERNATE PLANTING LOCATIONS CAN BE DETERMINED.
5. NO SUBSTITUTION OF PLANT MATERIALS WILL BE ALLOWED WITHOUT THE PRIOR WRITTEN APPROVAL OF THE LANDSCAPE ARCHITECT.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL PLANTS AGAINST DAMAGE FROM ON-GOING CONSTRUCTION. PROTECTION SHALL BEGIN AT THE TIME THE PLANT IS INSTALLED AND CONTINUE UNTIL FORMAL ACCEPTANCE OF ALL PLANTING.
7. ALL DISTURBED AREAS NOT OTHERWISE DEVELOPED SHALL BE LOAMED 6" AND SEEDDED.



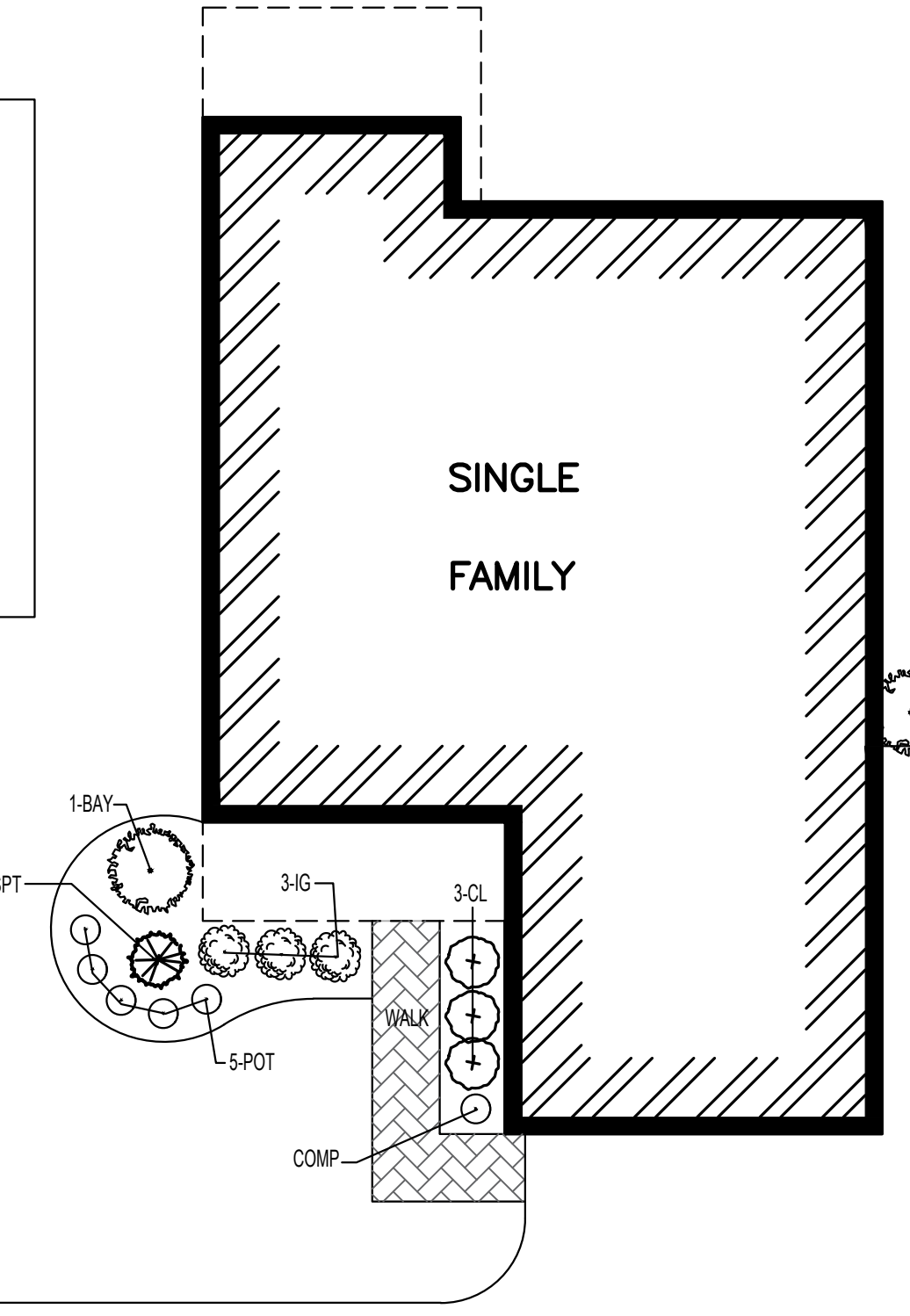
Plant Schedule - Single Family Unit (typ.)

Qty	Key	Botanical Name	Common Name	Size
SHRUBS:				
1	BAY	Myrica pensylvanicum	Northern Bayberry	#3pot
3	CL	Clethra alnifolia	Sweet Pepper	2-3'
1	COMP	Comptonia peregrina	Sweetfern	#3pot
3	IG	Ilex glabra 'Shamrock'	Shamrock Inkberry	2-2.5'
5	POT	Potentilla 'Abbotswood'	Abbotswood Potentilla	#3pot
1	RTD	Cornus alba 'Elegantissima'	Variegated Red Twig Dogwood	#3pot
1	SPT	Spirea tomentosa	Steeplebush	#3pot

16 TOTAL SINGLE FAMILY UNITS

LANDSCAPE LEGEND

- PROPOSED DECIDUOUS TREE
- PROPOSED ORNAMENTAL TREE
- PROPOSED EVERGREEN
- PROPOSED SHRUBS



TYPICAL SINGLE FAMILY HOME PLANTING
 1" = 10'

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 NORFOLK COUNTY

REVISIONS:

NO	BY	DATE	DESCRIPTION
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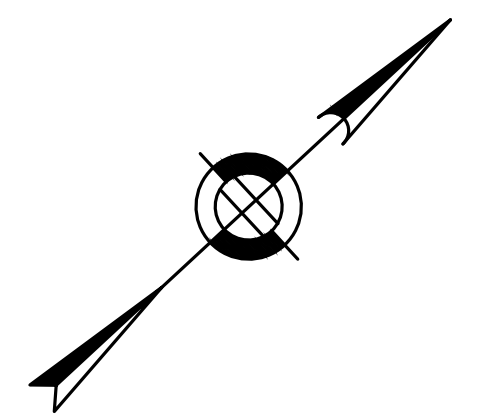
SITE PLAN

LANDSCAPE PLAN
 1 OF 2

DATE: APRIL 11, 2022
 PROJECT NUMBER: 19227.01
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9/02/2022 C:\Users\jim\OneDrive - James K. Emmanuel Associates\Documents\JKA\CLIENTS\Wrentham\2.21.19\227 - LS-HS-LANDSCAPE.dwg
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DECIDUOUS TREE PLANTINGS 23 TOTAL THROUGHOUT SITE

Plant Schedule

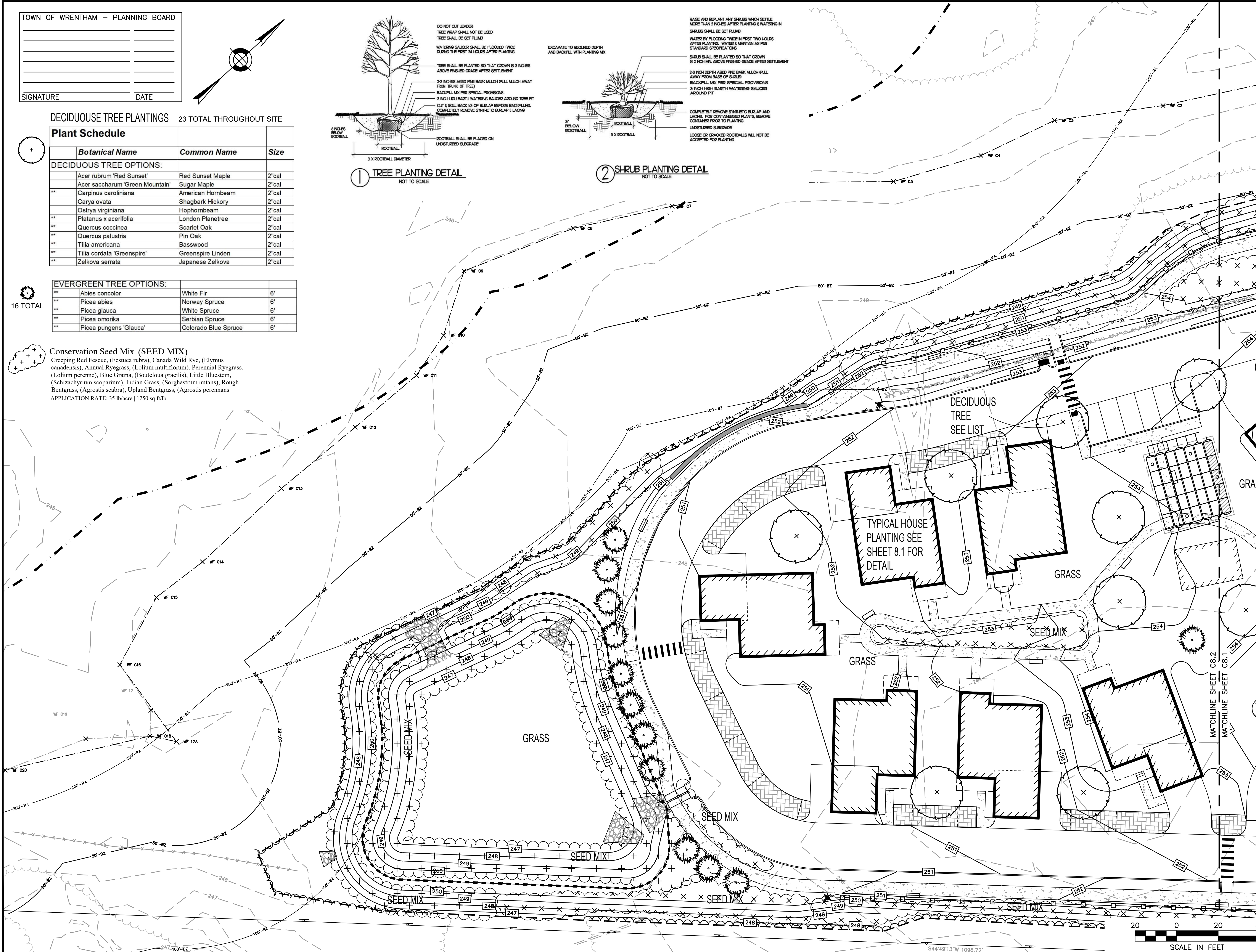
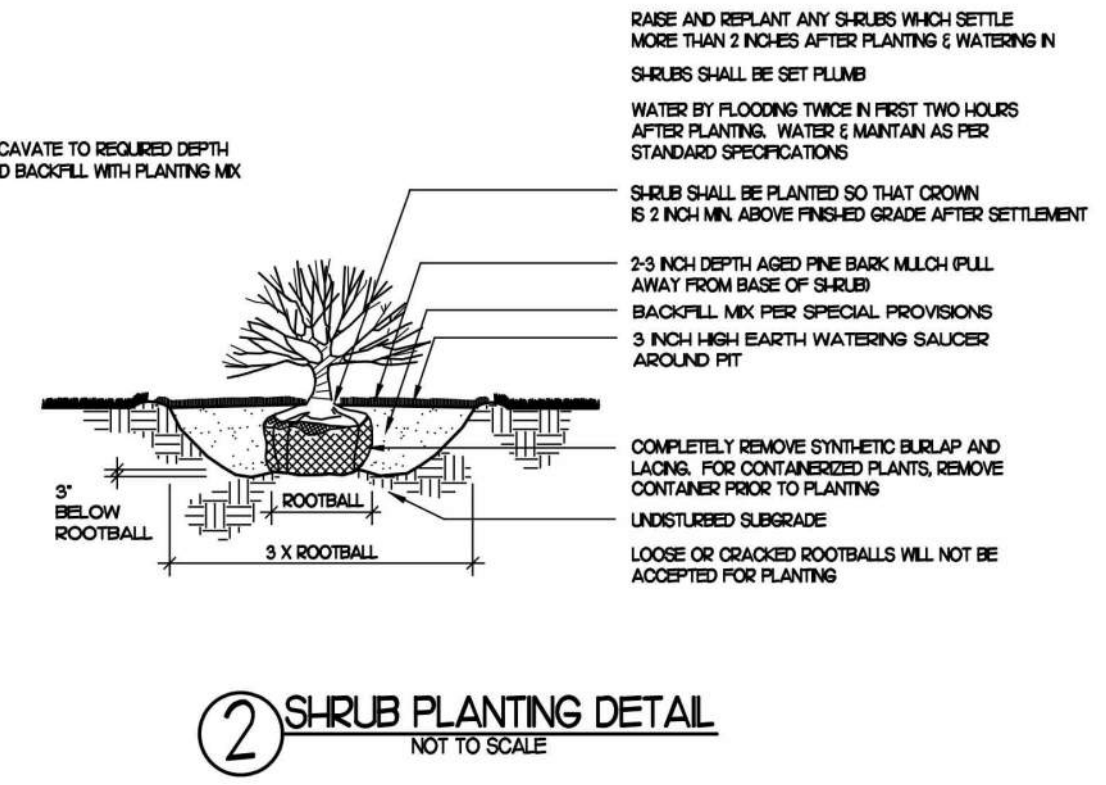
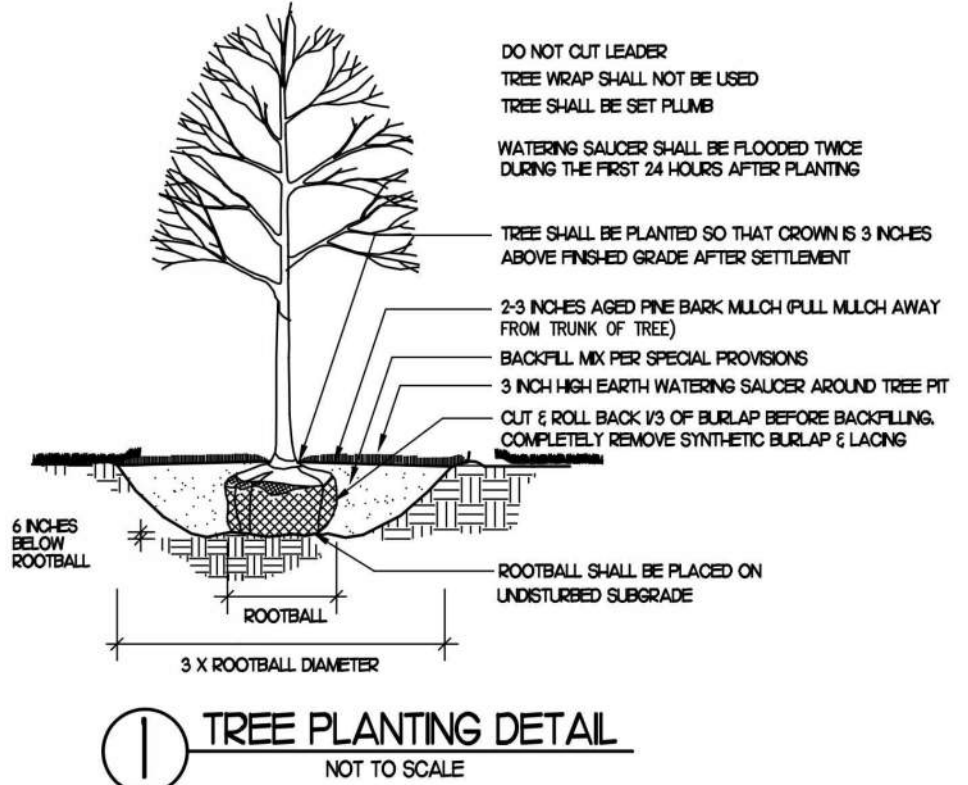
Botanical Name	Common Name	Size
DECIDUOUS TREE OPTIONS:		
Acer rubrum 'Red Sunset'	Red Sunset Maple	2"cal
Acer saccharum 'Green Mountain'	Sugar Maple	2"cal
Carpinus caroliniana	American Hornbeam	2"cal
Carya ovata	Shagbark Hickory	2"cal
Ostrya virginiana	Hophornbeam	2"cal
Platanus x acerifolia	London Planetree	2"cal
Quercus coccinea	Scarlet Oak	2"cal
Quercus palustris	Pin Oak	2"cal
Tilia americana	Basswood	2"cal
Tilia cordata 'Greenspire'	Greenspire Linden	2"cal
Zelkova serrata	Japanese Zelkova	2"cal

EVERGREEN TREE OPTIONS:

Abies concolor	White Fir	6'
Picea abies	Norway Spruce	6'
Picea glauca	White Spruce	6'
Picea omorika	Serbian Spruce	6'
Picea pungens 'Glauca'	Colorado Blue Spruce	6'

Conservation Seed Mix (SEED MIX)

Creeping Red Fescue, (Festuca rubra), Canada Wild Rye, (Elymus canadensis), Annual Ryegrass, (Lolium multiflorum), Perennial Ryegrass, (Lolium perenne), Blue Grama, (Bouteloua gracilis), Little Bluestem, (Schizachyrium scoparium), Indian Grass, (Sorghastrum nutans), Rough Bentgrass, (Agrostis scabra), Upland Bentgrass, (Agrostis perennans)
APPLICATION RATE: 35 lb/acre | 1250 sq ft/lb



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NORFOLK COUNTY

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SITE PLAN

LANDSCAPE PLAN
2 OF 2

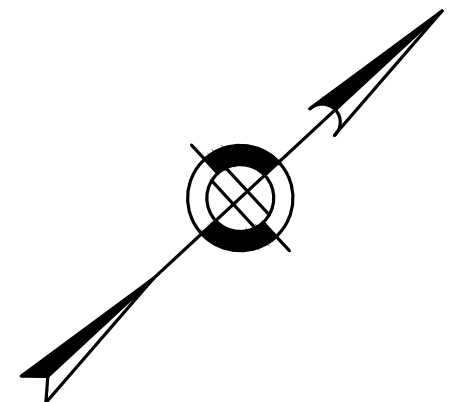
DATE: APRIL 11, 2022
PROJECT NUMBER: 19227.01
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SHEET 23 OF 34

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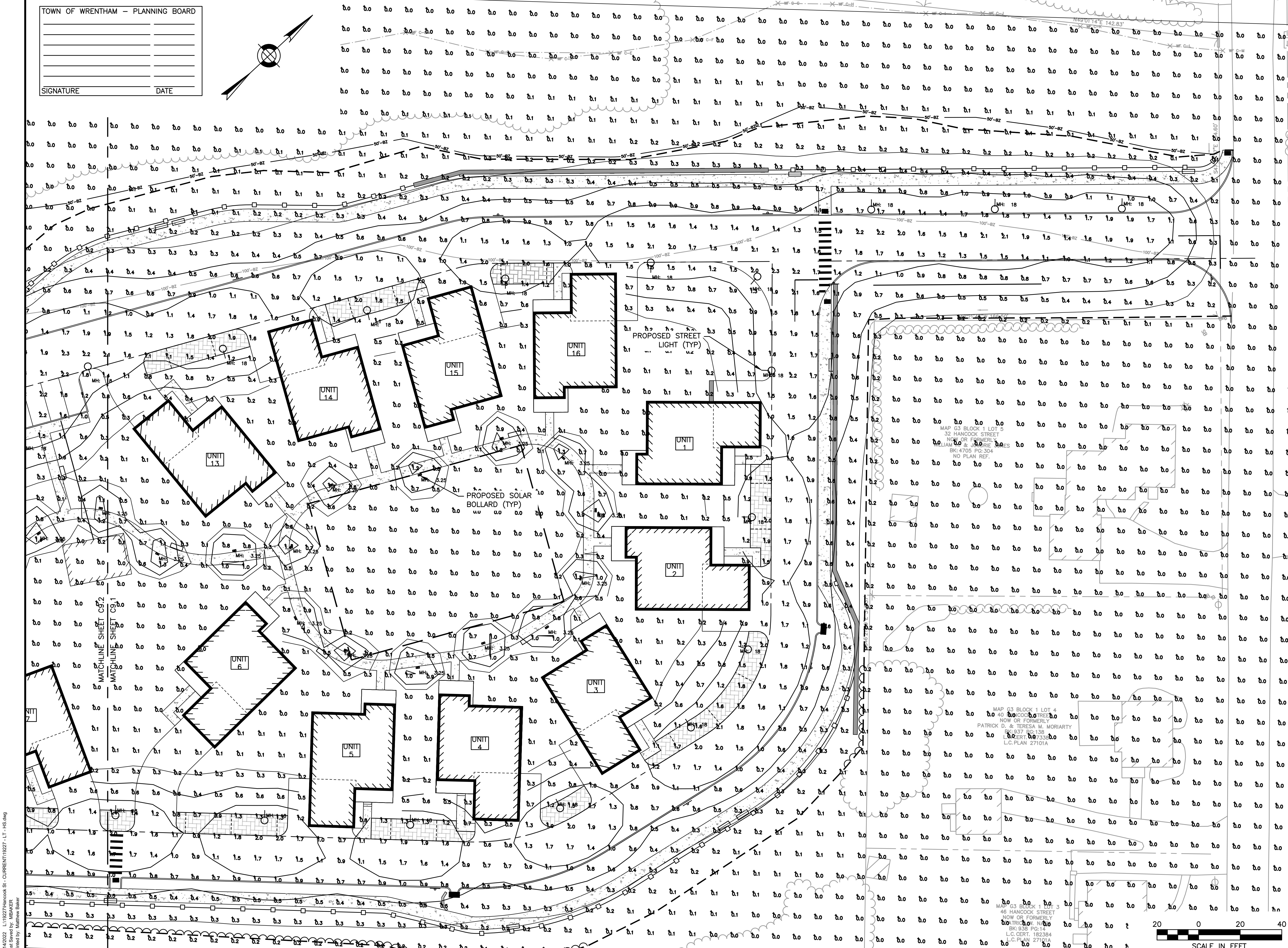
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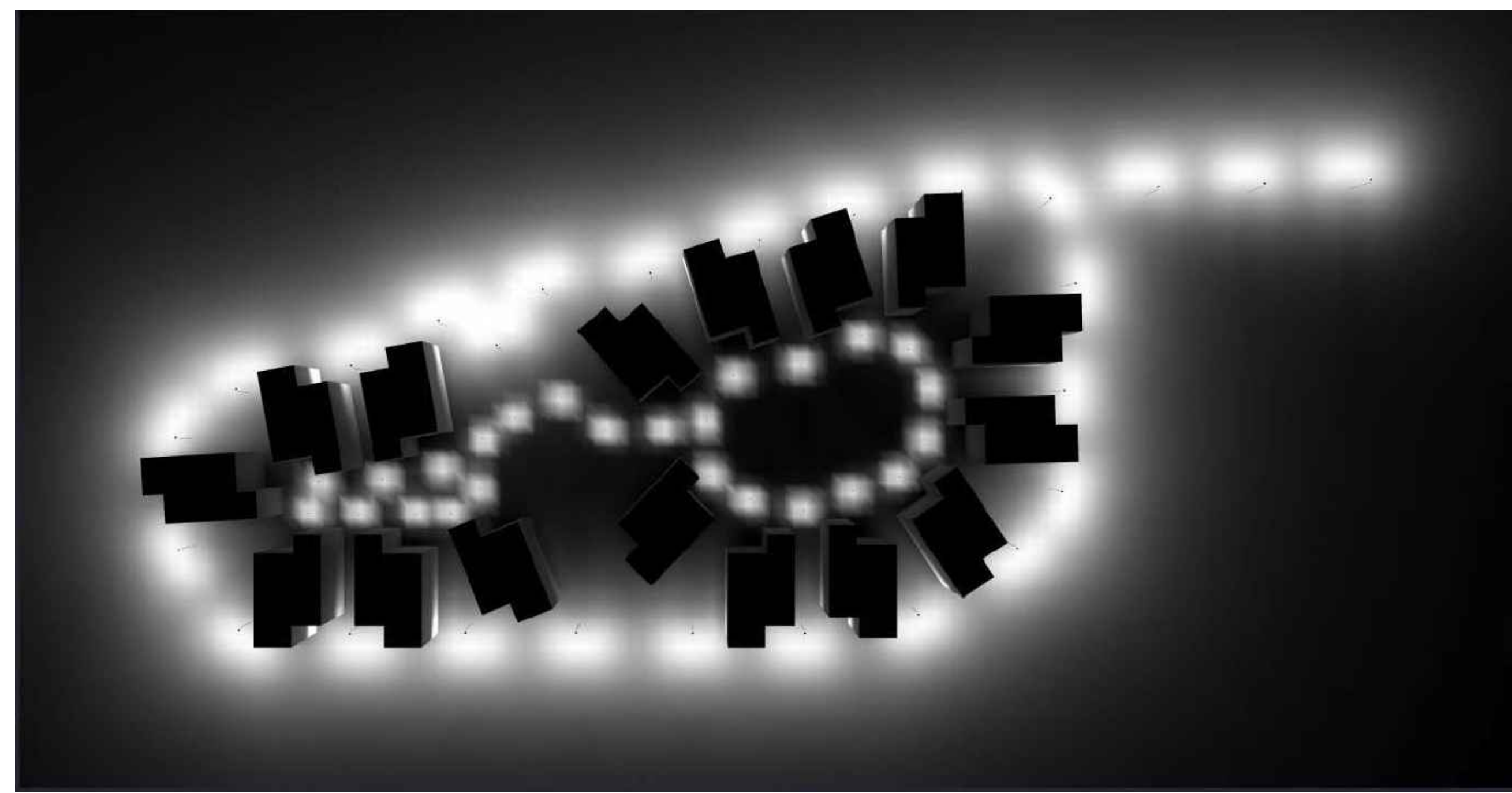
NO	BY	DATE	DESCRIPTION
1	KL	9/13/22	PEER REVIEW

SITE PLAN

LIGHTING PLAN
1 OF 2

DATE:	APRIL 11, 2022
PROJECT NUMBER:	19227.01
DESIGNED BY:	KL/KF/MB
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CHECKED BY:	KE
C9.1	
SHEET 24 OF 36	



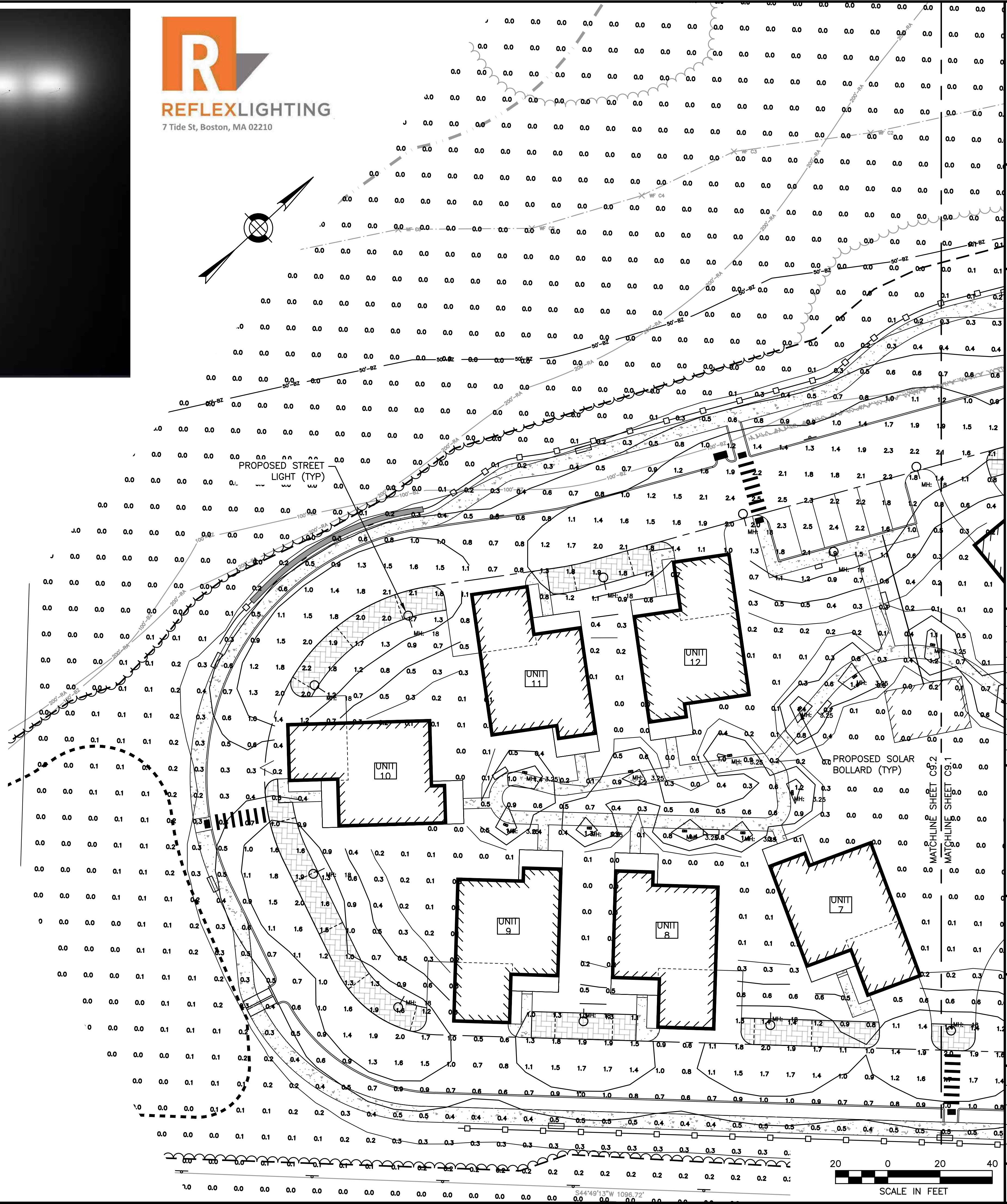


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 NORFOLK COUNTY

LUMINAIRE SCHEDULE			
SYMBOL	QTY	LABEL	DESCRIPTION
□	25	BL-1	LIGMAN: UPRA-10052-4W-T3-W35-XX
○	26	PL-1	MCGRAW EDISON: TT-D5-735-U-T4-PM-XX

CALCULATION SUMMARY				
LABEL	UNITS	AVG	MIN	MAX
SITE	Fc	0.30	0.0	2.4



REVISIONS:			
NO	BY	DATE	DESCRIPTION
1	KL	9/13/22	PEER REVIEW

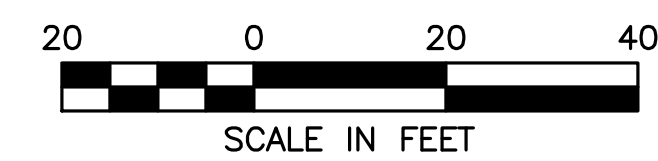
TOWN OF WRENTHAM - PLANNING BOARD

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SITE PLAN

LIGHTING PLAN
 2 OF 2

DATE:	APRIL 11, 2022
PROJECT NUMBER:	19227.01
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DRAWN BY:	KL/KF/MB
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C9.2	
SHEET 25 OF 36	



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 Plot Saved by: MSAKER
 Printed by: Matthew Baker

GENERAL CONSTRUCTION SEQUENCE

1. INSTALL EROSION AND SEDIMENT CONTROL MEASURES INCLUDING BUT NOT LIMITED TO COMPOST SOCK, SILT FENCING, AND CONSTRUCTION ENTRANCES PRIOR TO THE START OF ANY EARTHWORKS ACTIVITY.
2. SETUP STOCKPILE AREAS AND CONSTRUCTION MATERIAL STOCKPILE STORAGE AREAS.
3. CONSTRUCT TEMPORARY SEDIMENT BASINS.
4. INSTALL PROTECTION MEASURES FOR ALL ITEMS NOTED TO REMAIN ON THE PLANS.
5. IDENTIFY LIMITS OF CLEARING. BEGIN CLEARING AND GRUBBING.
6. PERFORM PRELIMINARY GRADING AND CONSTRUCT BUILDING FOUNDATIONS.
7. CONSTRUCT STORMWATER MANAGEMENT SYSTEM.
8. INSTALL UNDERGROUND UTILITIES.
9. PERFORM FINAL GRADING, INSTALL BINDER PAVEMENT COURSE.
10. INSTALL PAVEMENT TOP COURSE.
11. CONSTRUCT SIDEWALKS AND FINAL SITE IMPROVEMENTS.
12. INSTALL PAVEMENT MARKINGS, STREET SIGNAGE AND FINAL LANDSCAPING.
13. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED UNTIL PERMANENT COVER IS ESTABLISHED.

TOWN OF WRENTHAM — PLANNING BOARD

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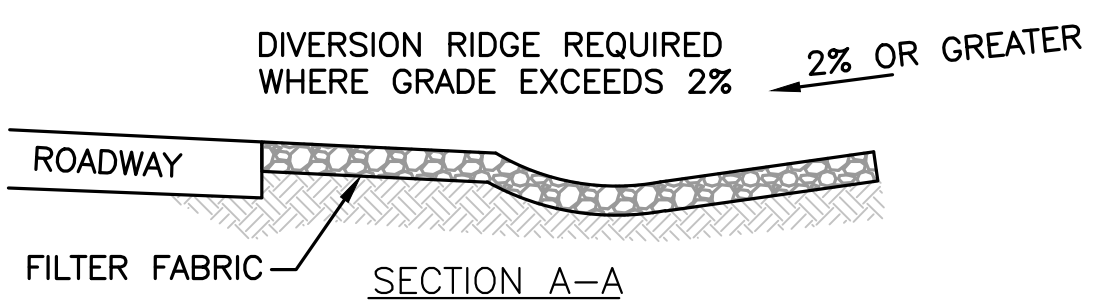
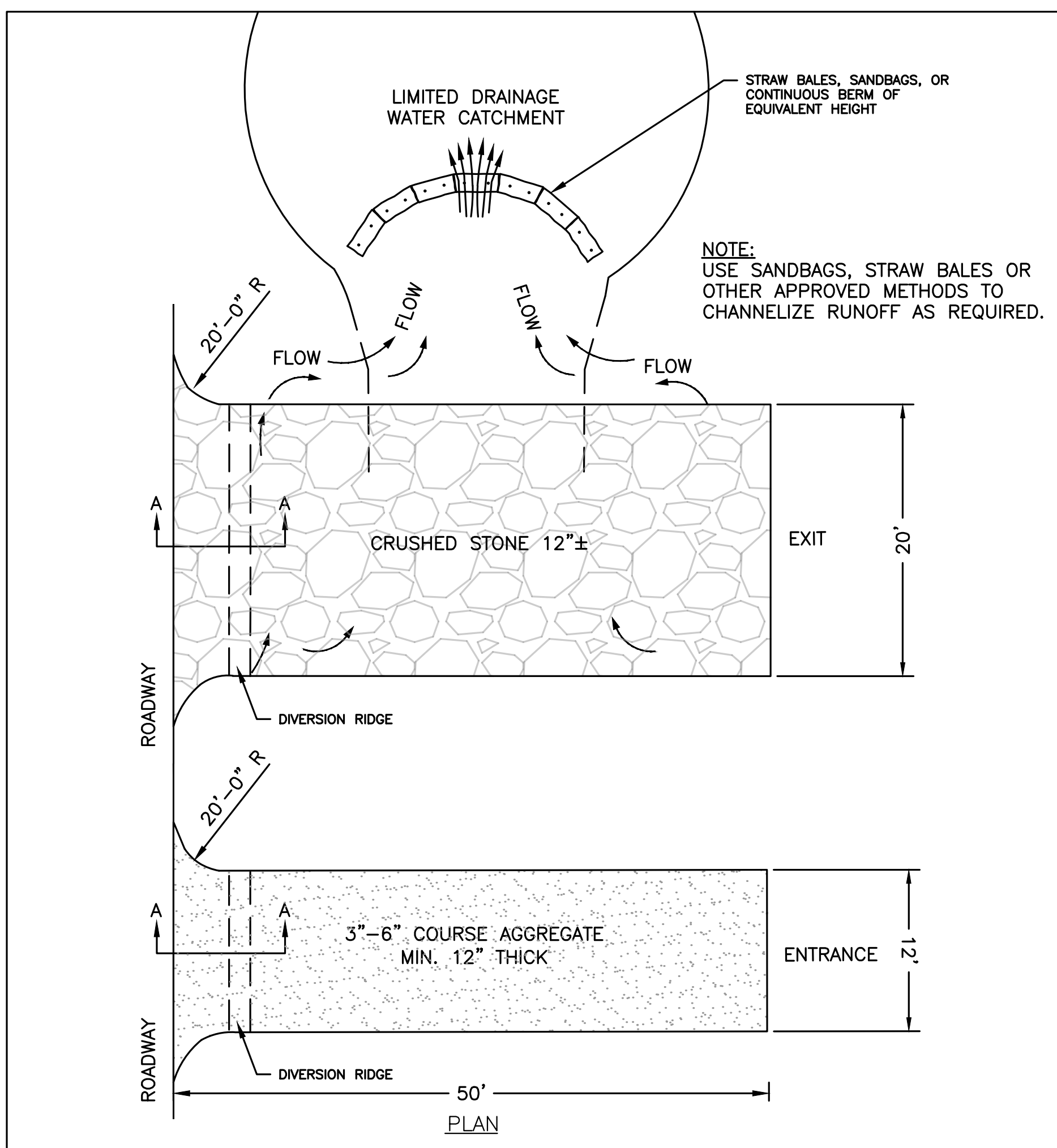
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SITE PLAN

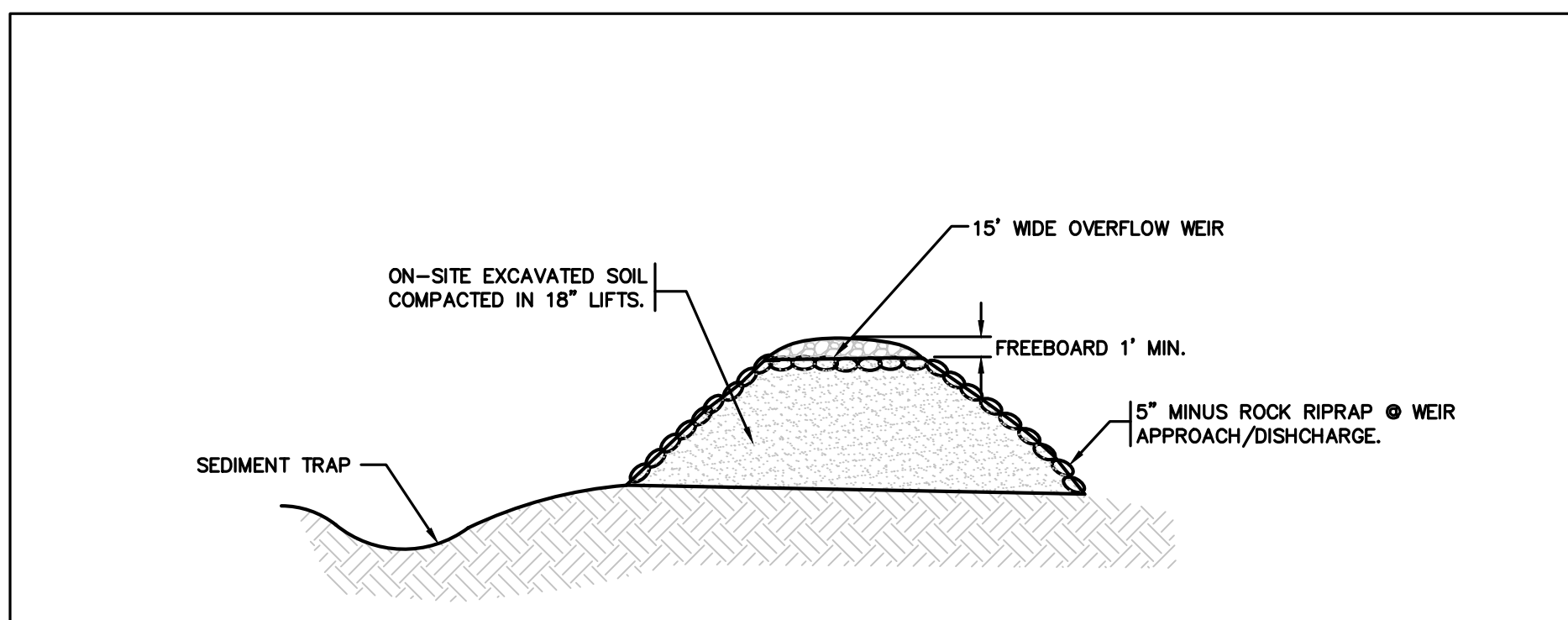
DETAIL SHEET
 1 OF 11

DATE:	APRIL 11, 2022
PROJECT NUMBER:	19227.01
DESIGNED BY:	KL/MB
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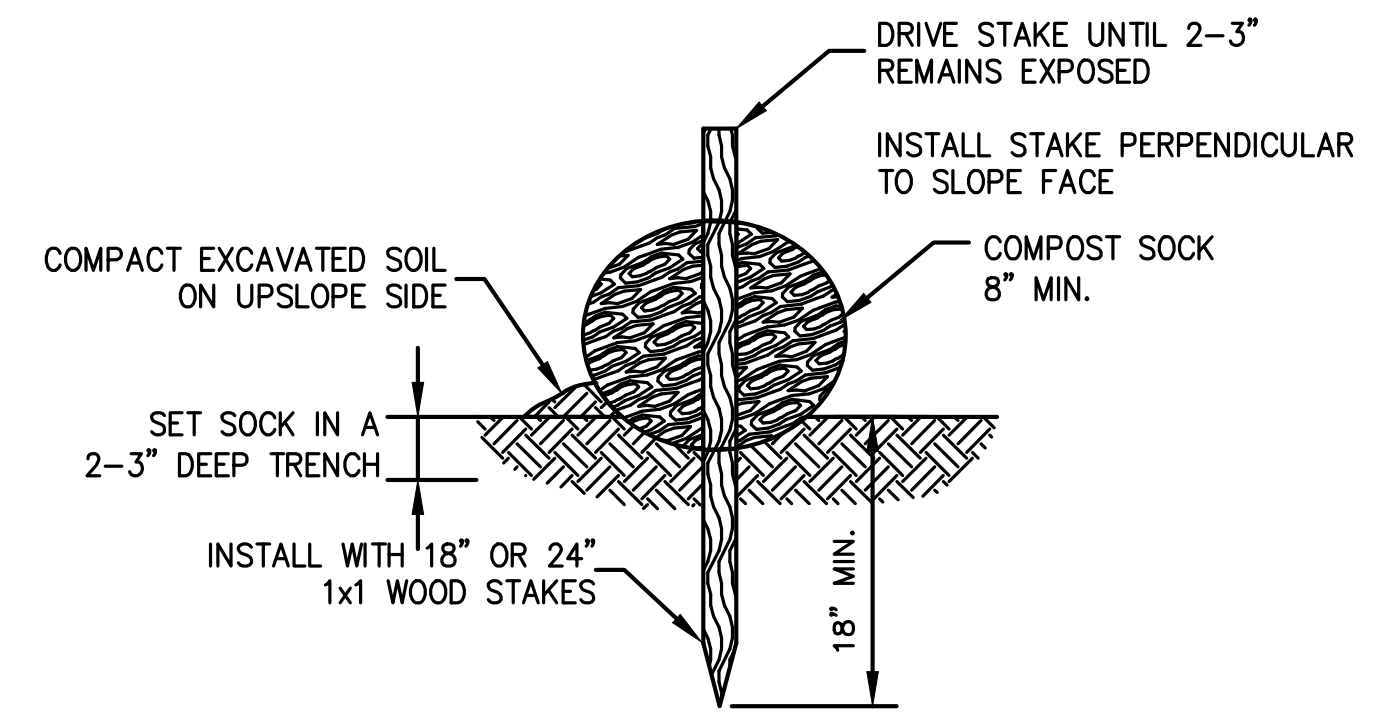


- NOTES:**
1. THE EXIT SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
 2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO EXIT ONTO PUBLIC RIGHT-OF-WAY.
 3. TEMPORARY CONSTRUCTION ENTRANCE/EXIT SHALL BE APPLIED WHERE NECESSARY TO KEEP PUBLIC WAYS FREE OF SEDIMENT INCLUDING STAGING AREAS.
 4. PERSONNEL SHALL BE POSITIONED AT THE EXIT TO SUPERVISE TRAFFIC DIRECTION AND CLEAN OFF OF VEHICLES WITH PROBLEMS AND ENSURE ANY MATERIAL COVERS ARE IN PLACE.

STABILIZED CONSTRUCTION ENTRANCE/EXIT
 NOT TO SCALE

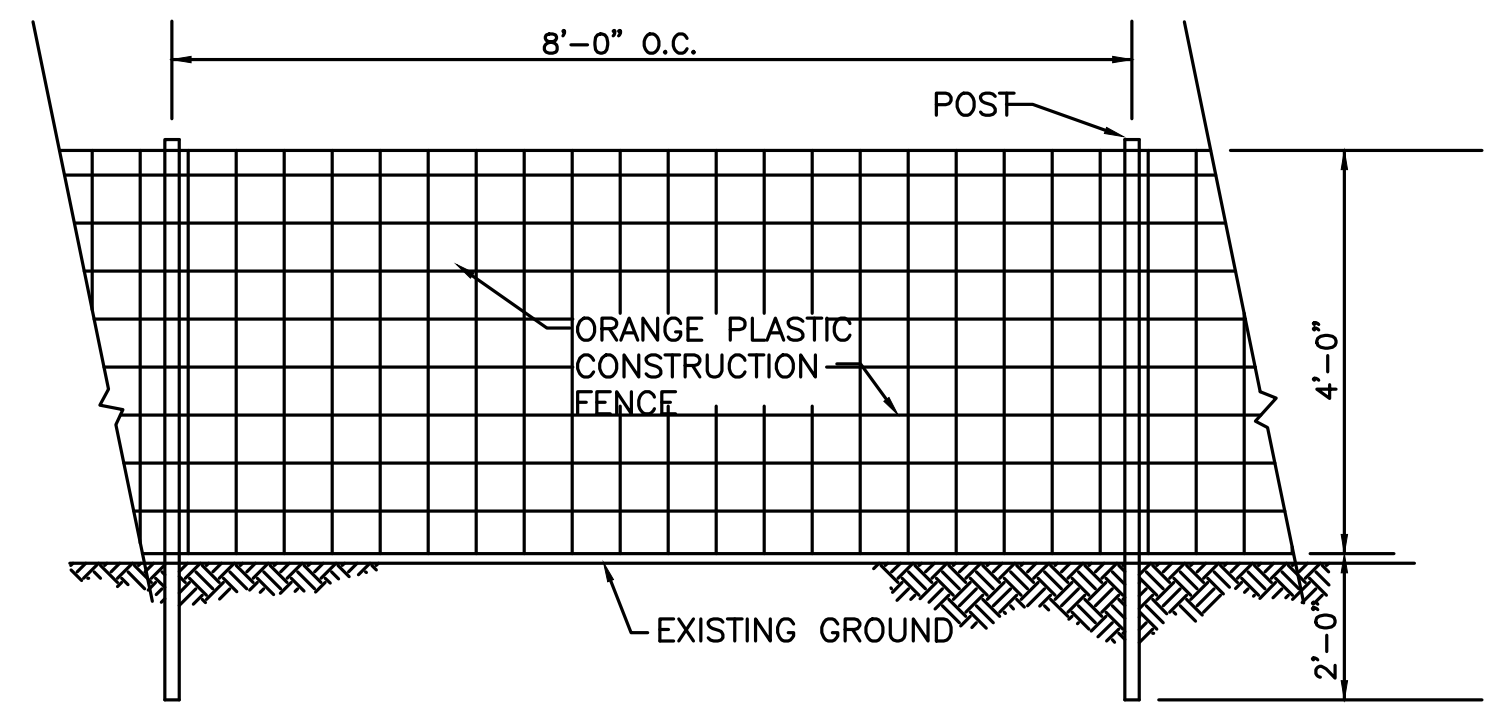
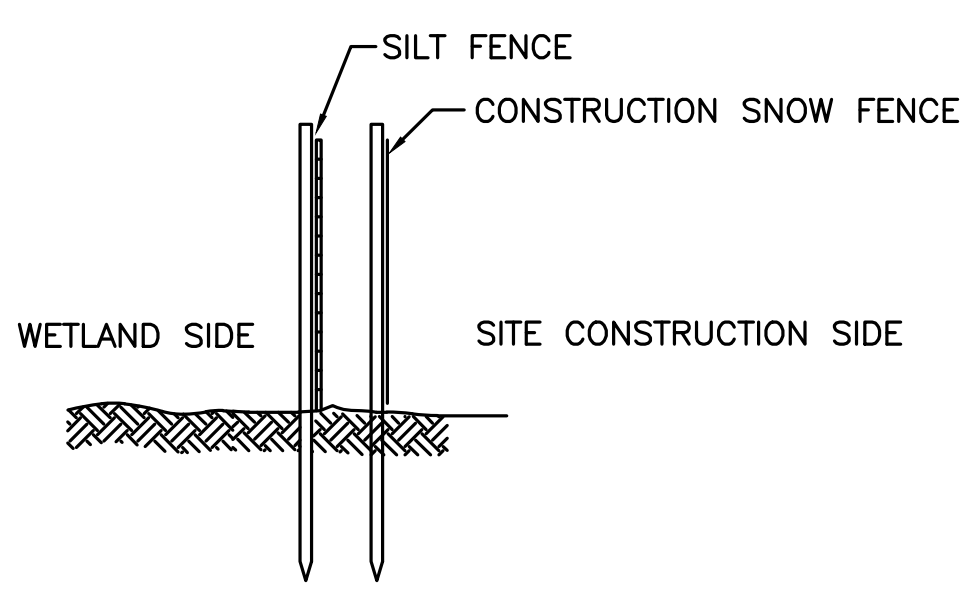


HIGH SIDE BERM OF TEMPORARY SEDIMENT BASIN
 NOT TO SCALE

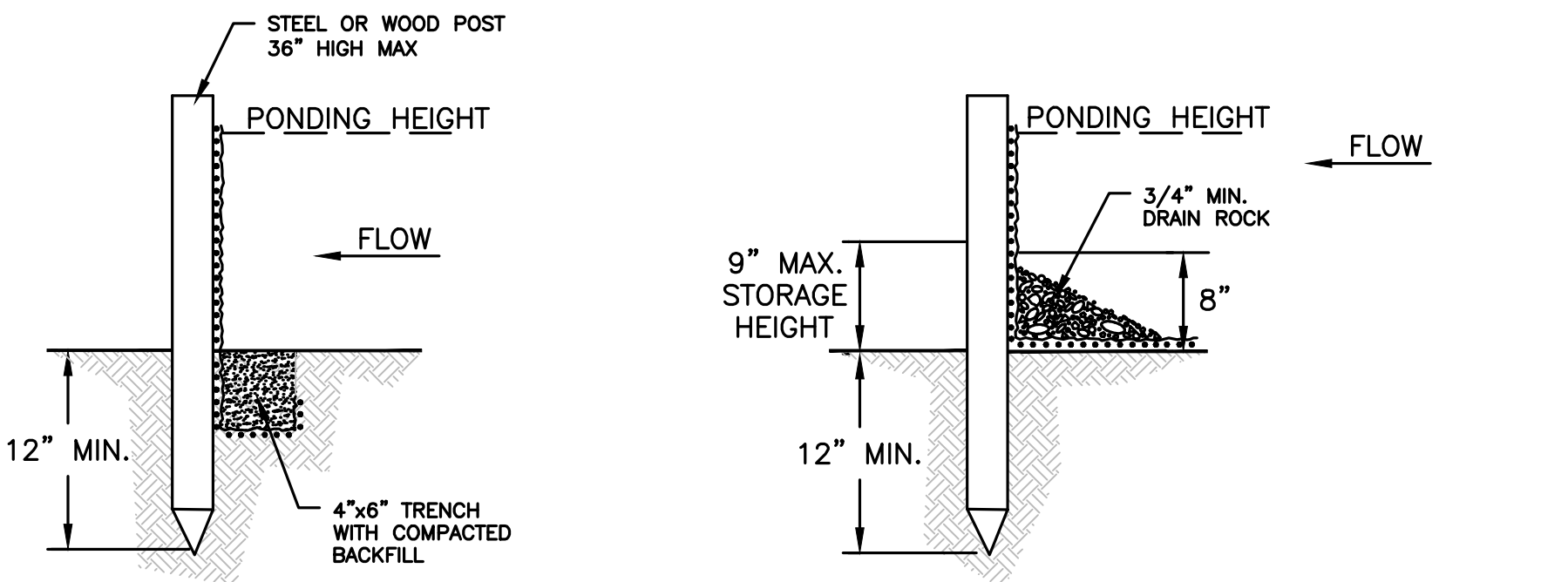
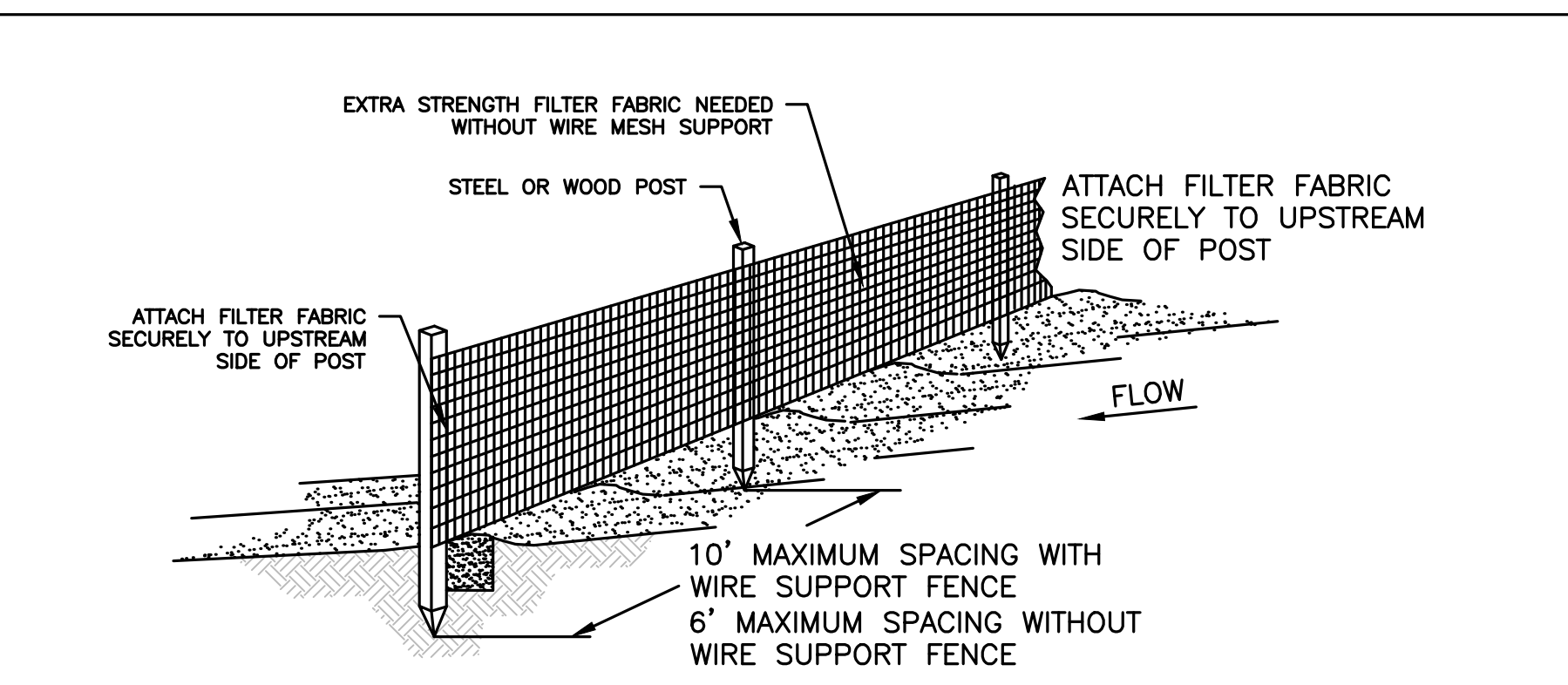


- NOTES:**
1. BEGIN AT THE LOCATION WHERE THE SOCK IS TO BE INSTALLED BY EXCAVATING A 2-3" (5-7.5 CM) DEEP X 9" (22.9 CM) WIDE TRENCH ALONG THE CONTOUR OF THE SLOPE. EXCAVATED SOIL SHOULD BE PLACED UP-SLOPE FROM THE ANCHOR TRENCH.
 2. PLACE THE SOCK IN THE TRENCH SO THAT IT CONTOURS TO THE SOIL SURFACE. COMPACT SOIL FROM THE EXCAVATED TRENCH AGAINST THE SOCK ON THE UPHILL SIDE. ADJACENT SOCKS SHOULD TIGHTLY ABUT.
 3. SECURE THE SOCK WITH 18-24" (45.7-61 CM) STAKES EVERY 3-4' (0.9 - 1.2 M) AND WITH A STAKE ON EACH END. (STAKES SHOULD BE DRIVEN THROUGH THE MIDDLE OF THE SOCK LEAVING AT LEAST 2-3" (5-7.5 CM) OF STAKE EXTENDING ABOVE THE SOCK. STAKES SHOULD BE DRIVEN PERPENDICULAR TO SLOPE FACE.

COMPOST SOCK DETAIL
 NOT TO SCALE



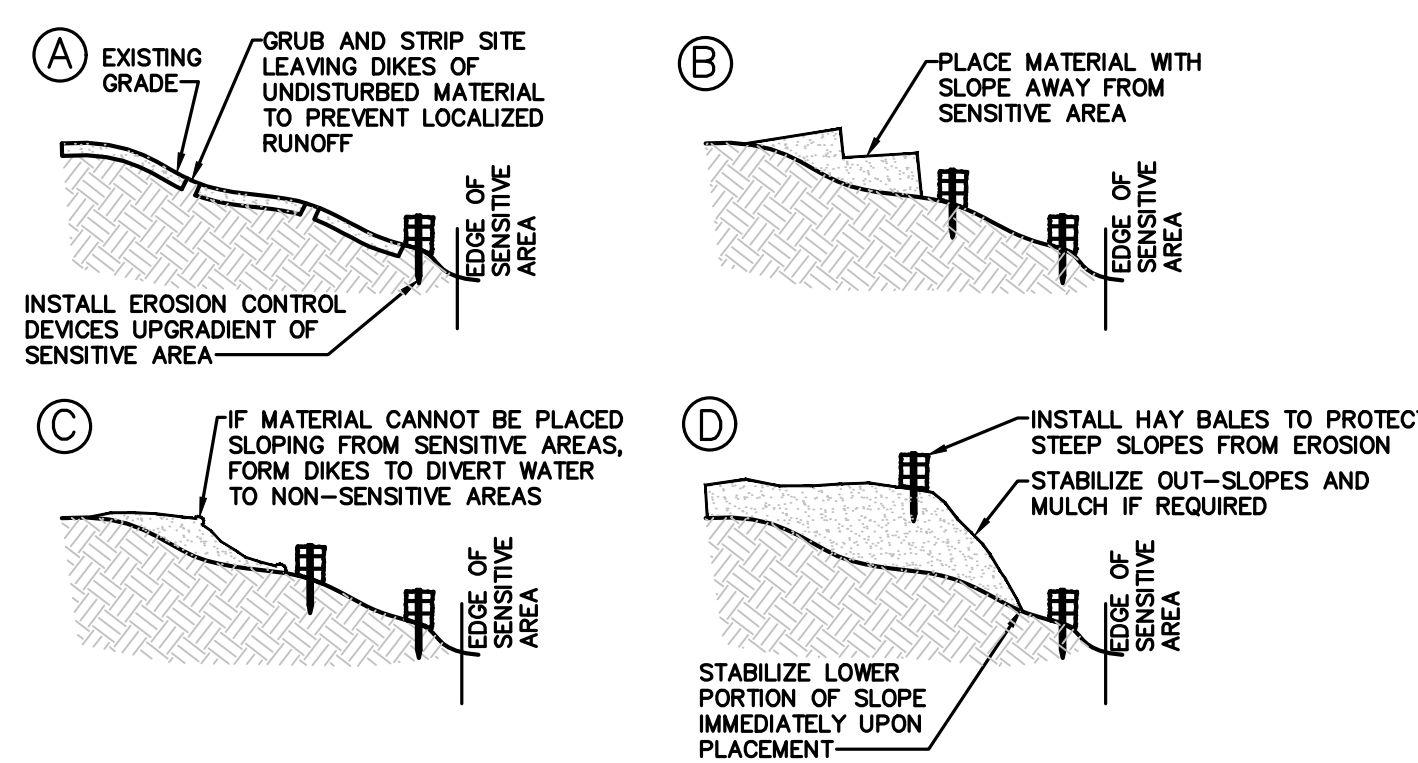
CONSTRUCTION SNOW FENCE
 NOT TO SCALE



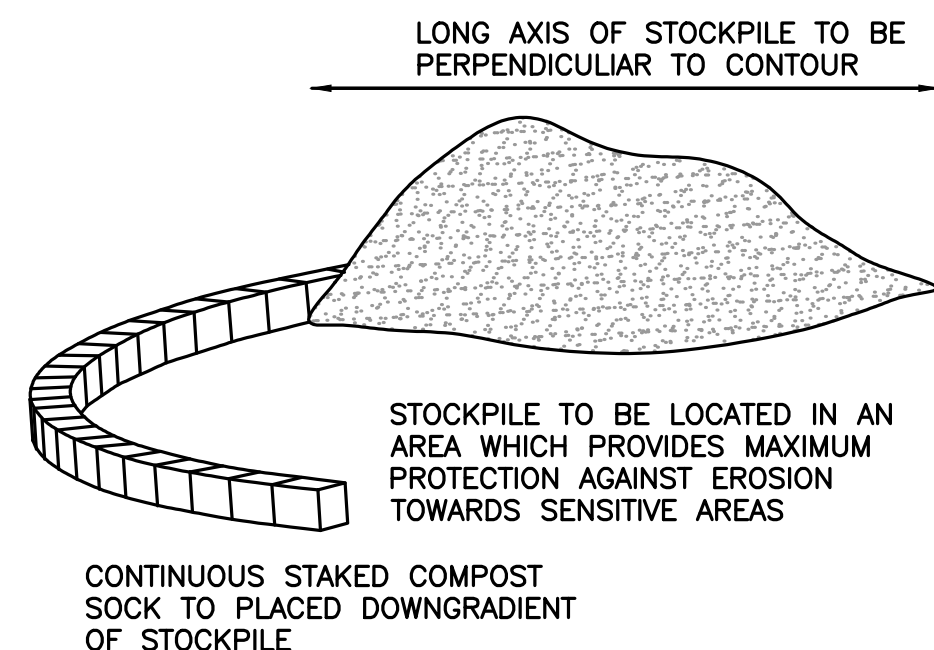
TRENCH DETAIL **INSTALLATION WITHOUT TRENCHING**

- NOTES:**
1. EROSION CONTROL BARRIER (HAY BALES, SILT FENCE OR EROSION STOCK) SHALL BE PLACED AROUND ALL MATERIAL STOCKPILE AREAS AND MAINTAINED AT STAGING AREAS TO ASSURE NO SILTATION ONTO PUBLIC OR PRIVATE WAYS OR PROPERTY.

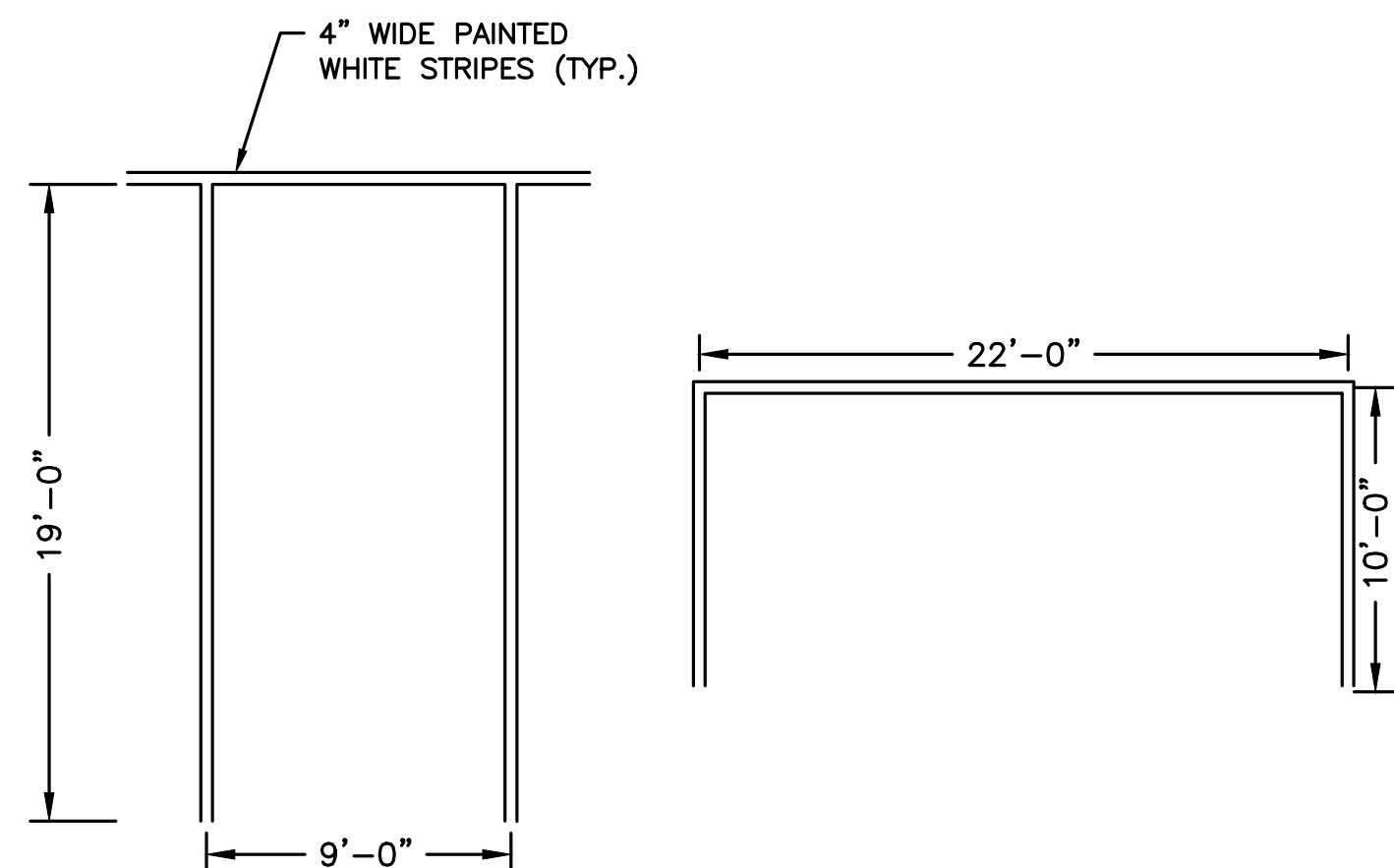
EROSION CONTROL BARRIER
 NOT TO SCALE



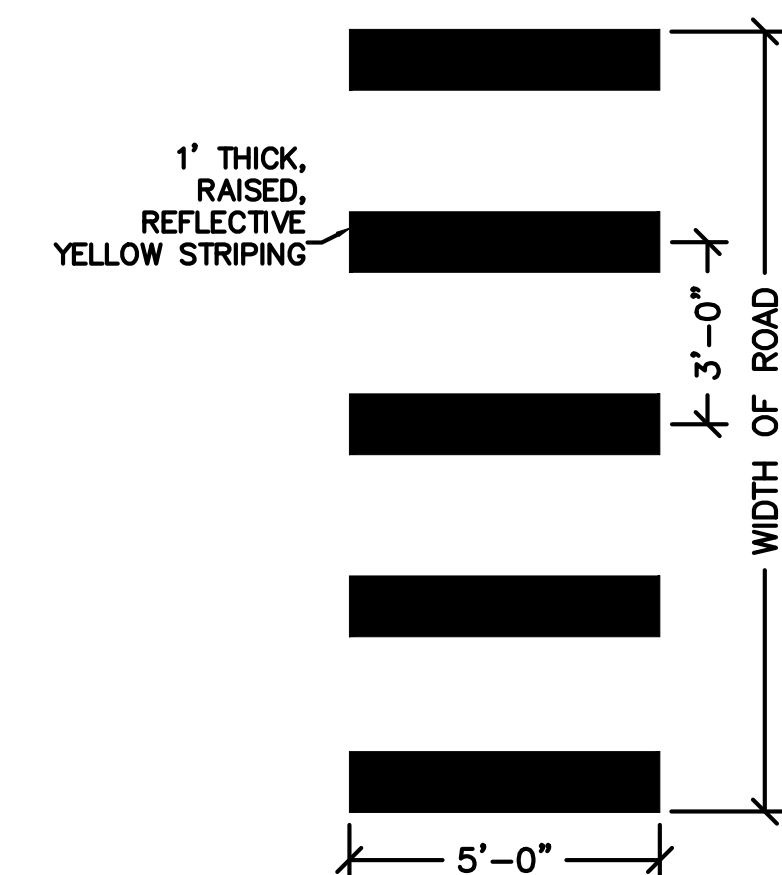
FILL PROCEDURE
NOT TO SCALE



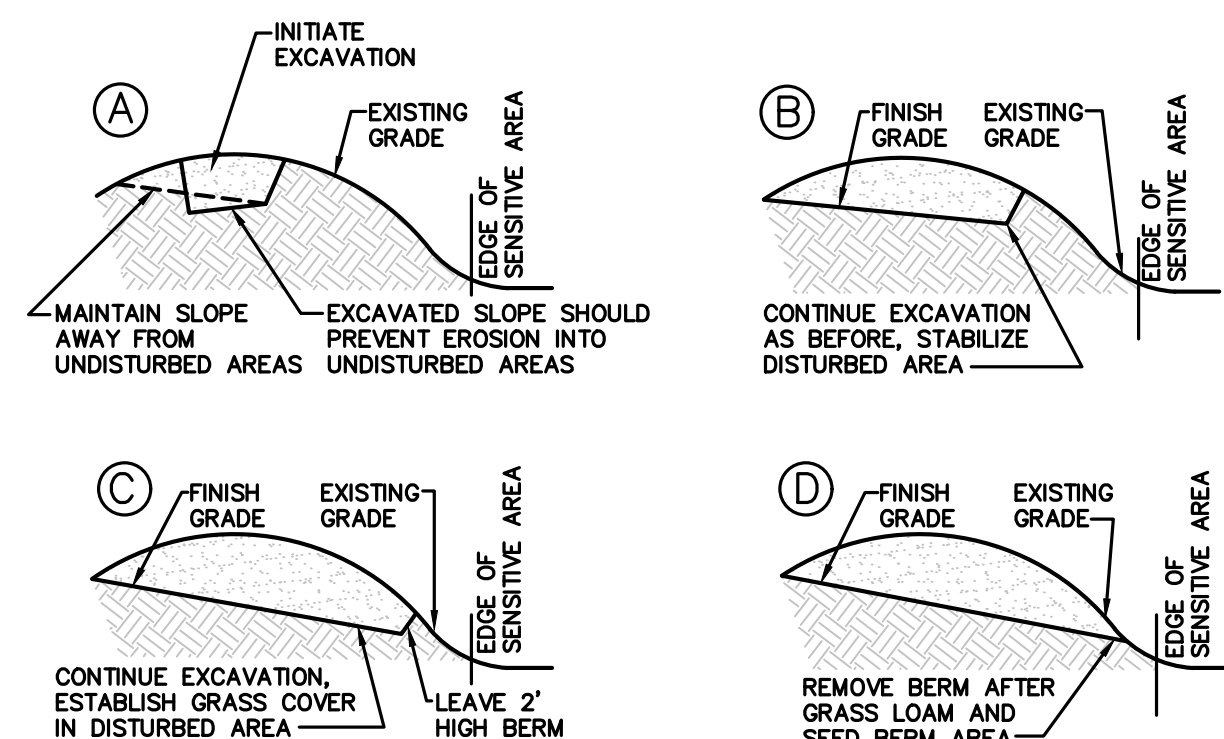
TEMPORARY STOCKPILE
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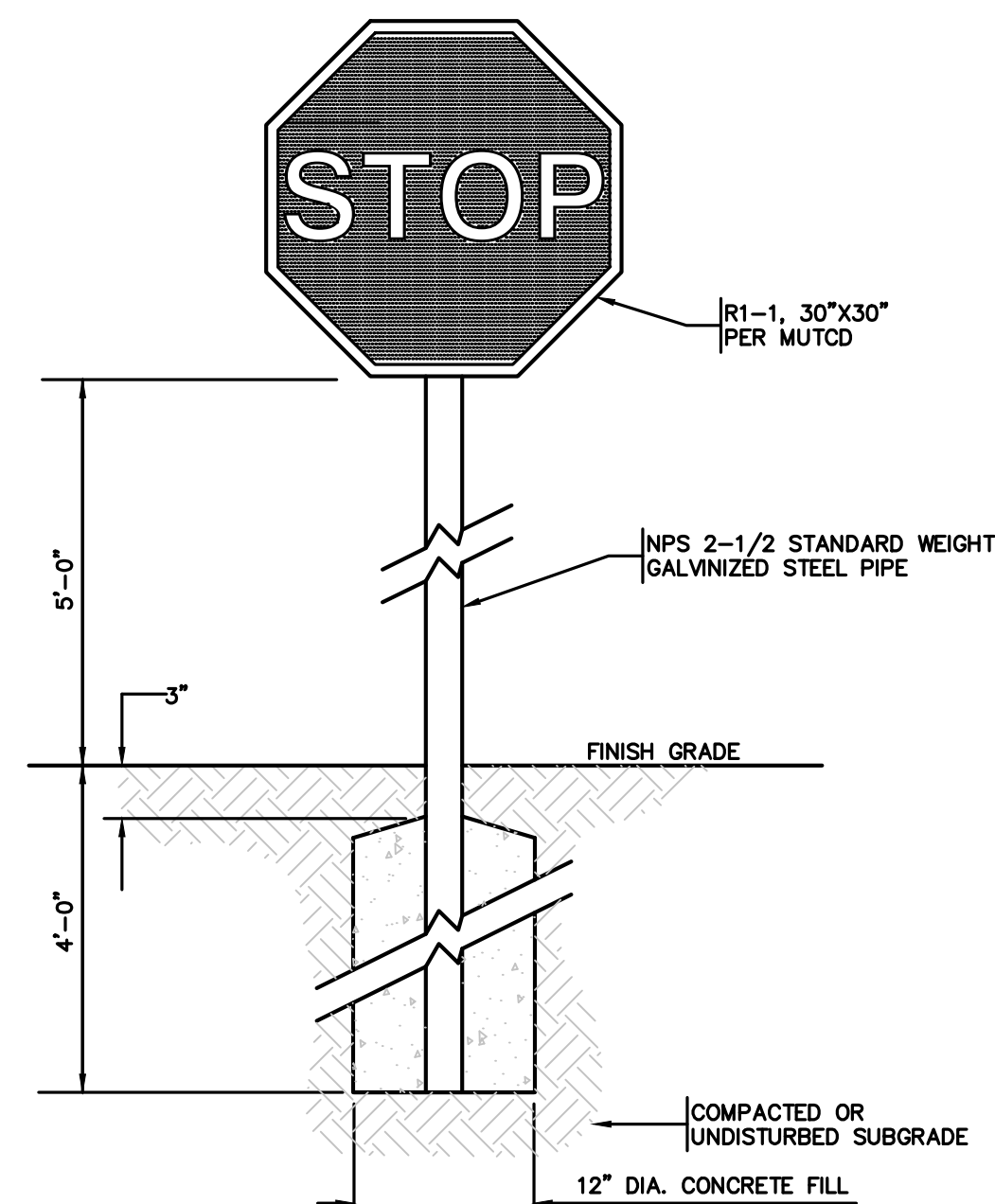
TYPICAL PARKING SPACE
NOT TO SCALE



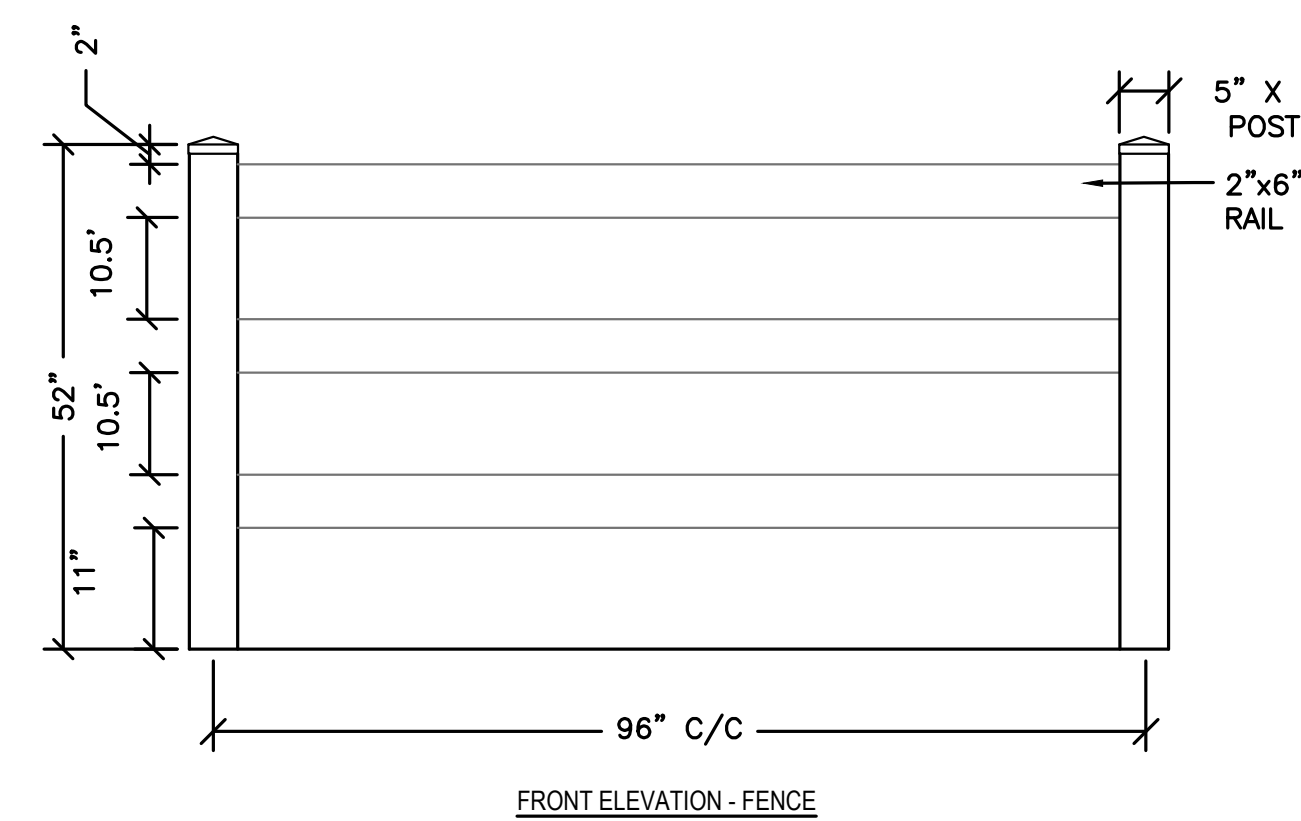
TYPICAL CROSSWALK
NOT TO SCALE



EXCAVATION PROCEDURE
NOT TO SCALE

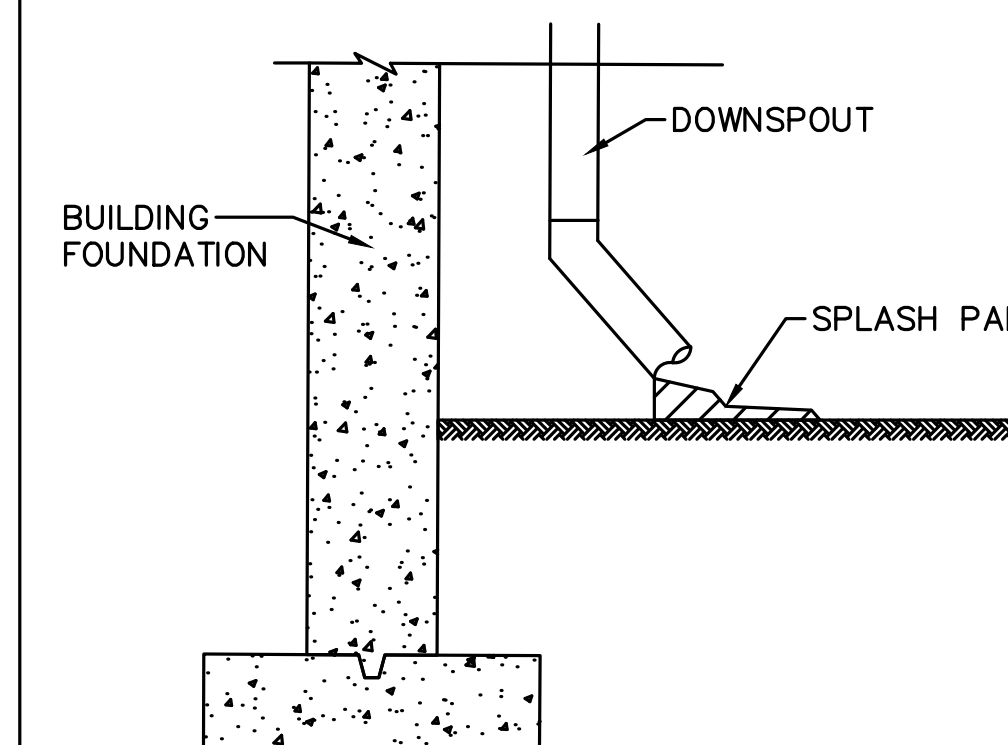


STOP SIGN DETAIL
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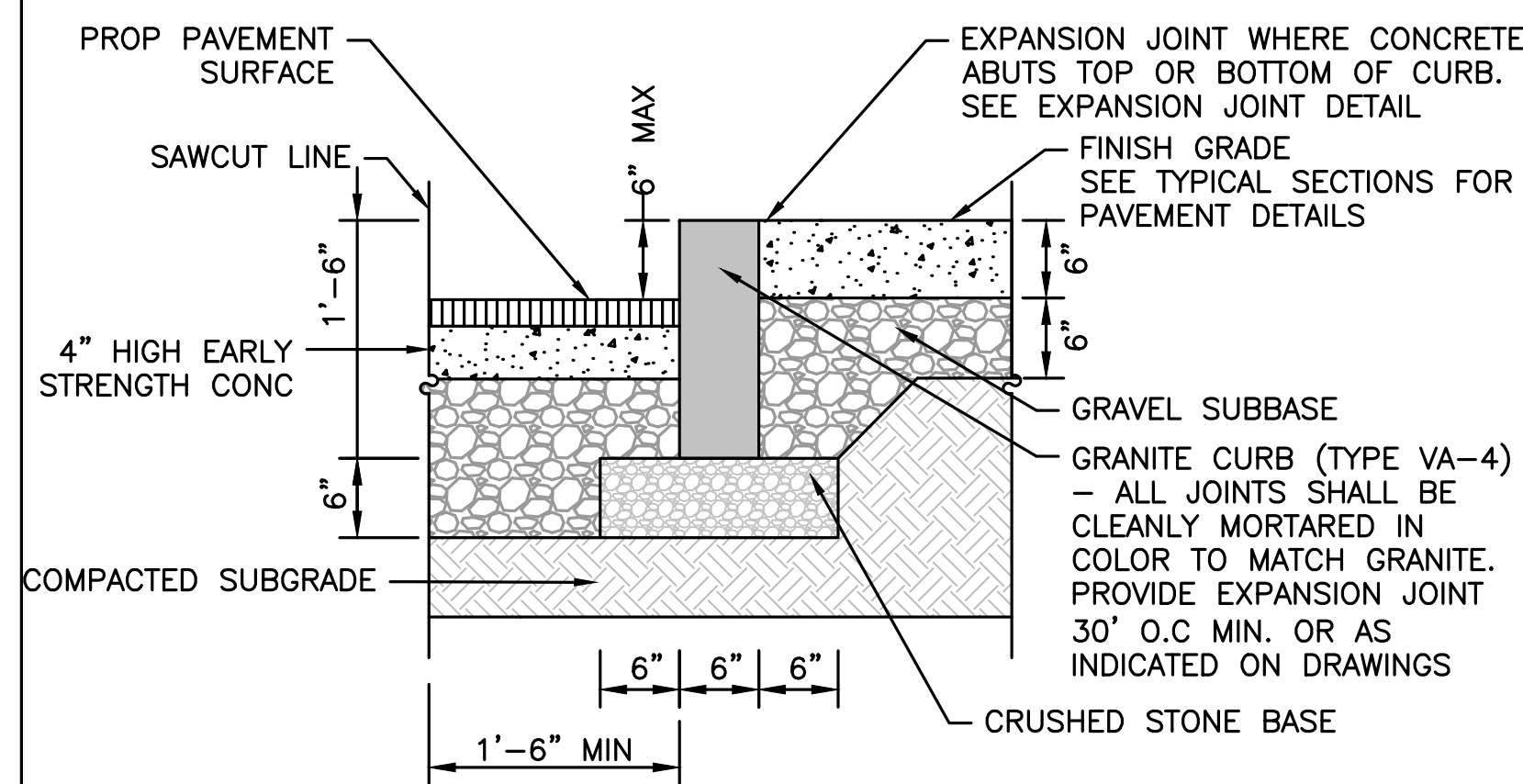


NOTE: THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY. THIS DRAWING MAY NOT BE USED FOR CONSTRUCTION.

POLYVINYL POST AND RAIL FENCE
NOT TO SCALE

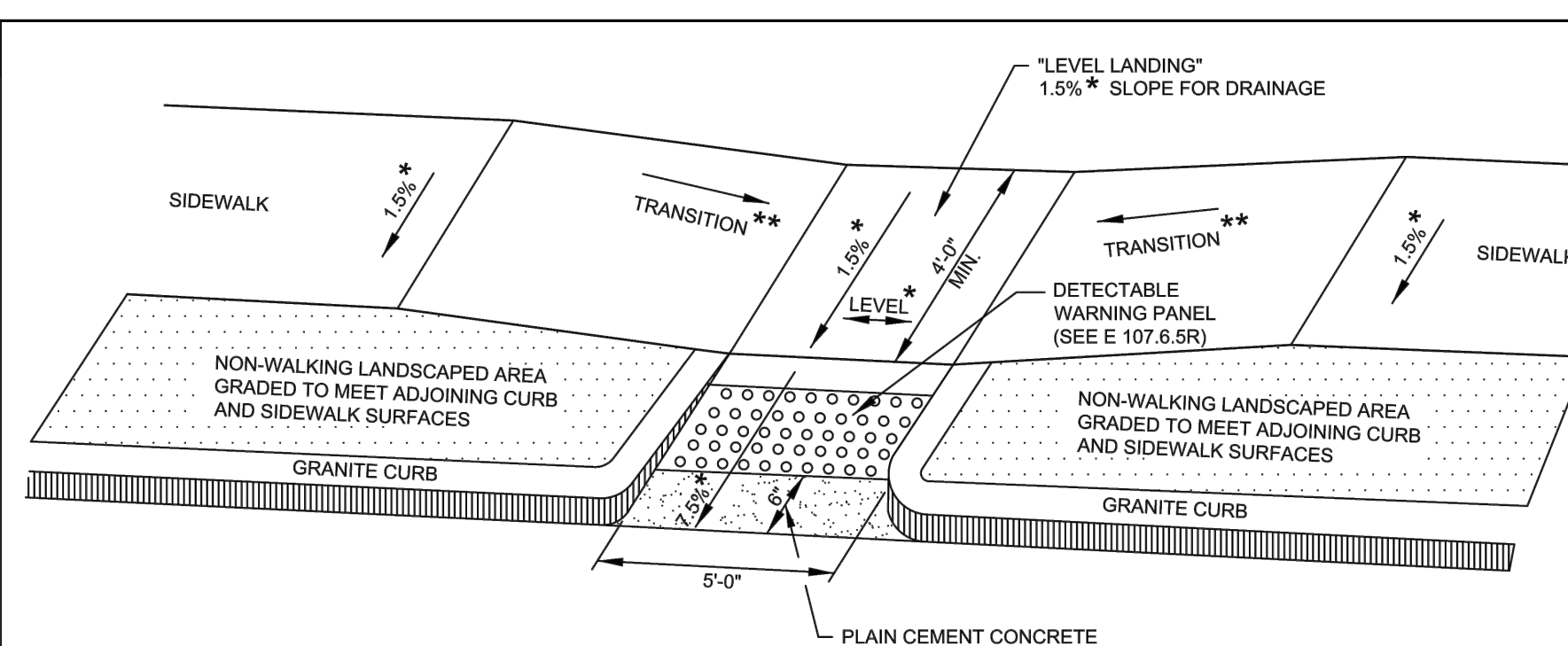


ROOF DRAIN
NOT TO SCALE



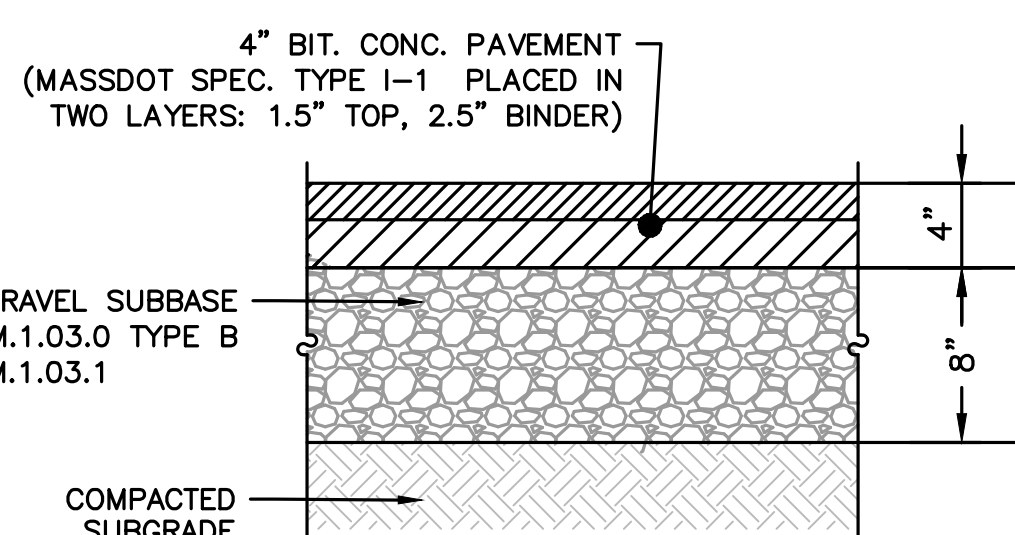
NOTE: USE 2" BIT. CONC. TOP COURSE ABOVE HIGH EARLY STRENGTH CONCRETE FOR RESETTING CURBS

VERTICAL GRANITE CURB
NOT TO SCALE

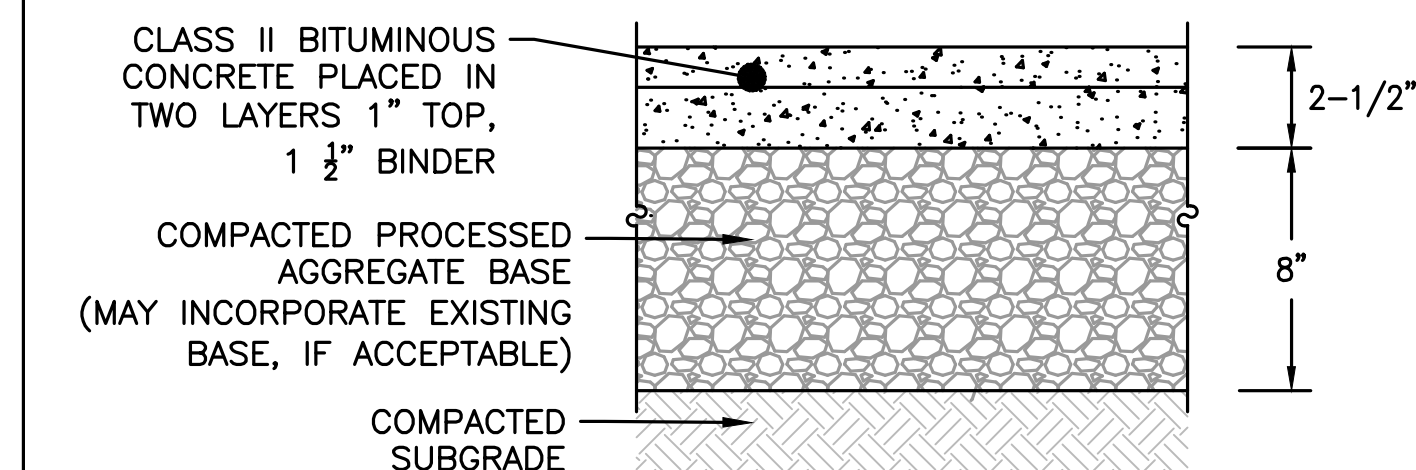


LEGEND
* = TOLERANCE FOR CONSTRUCTION ±0.5%
** = SEE E 107.9R FOR TRANSITION LENGTH

ADA RAMP WITH GRASS STRIP
NOT TO SCALE



FULL DEPTH ROADWAY PAVEMENT SECTION



BIT CONC SIDEWALK SECTION DETAIL

HOWARD STEIN HUDSON
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SHELDON MEADOW, LLC
480 TURNPIKE ST
SOUTH EASTON, MA 02375

SHELDON MEADOW
20 HANCOCK STREET
WRENTHAM, MA 02093
NORFOLK COUNTY

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SITE PLAN

DETAIL SHEET
2 OF 11

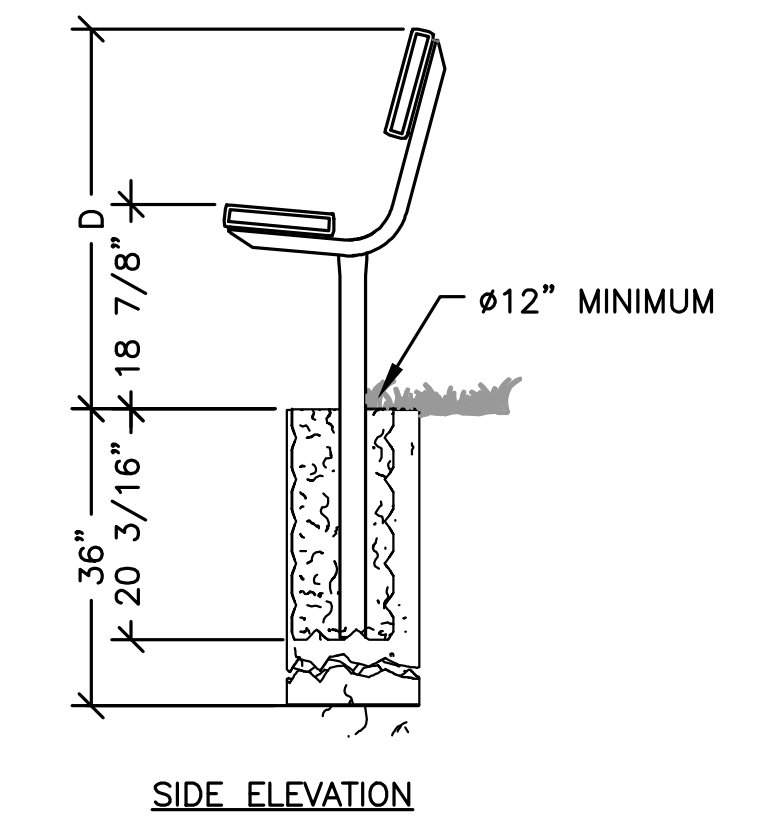
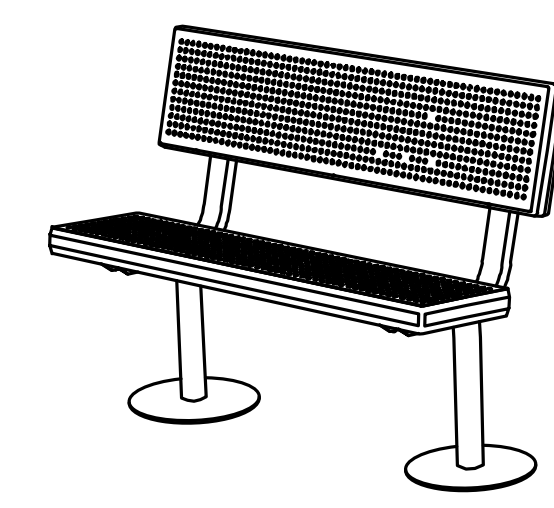
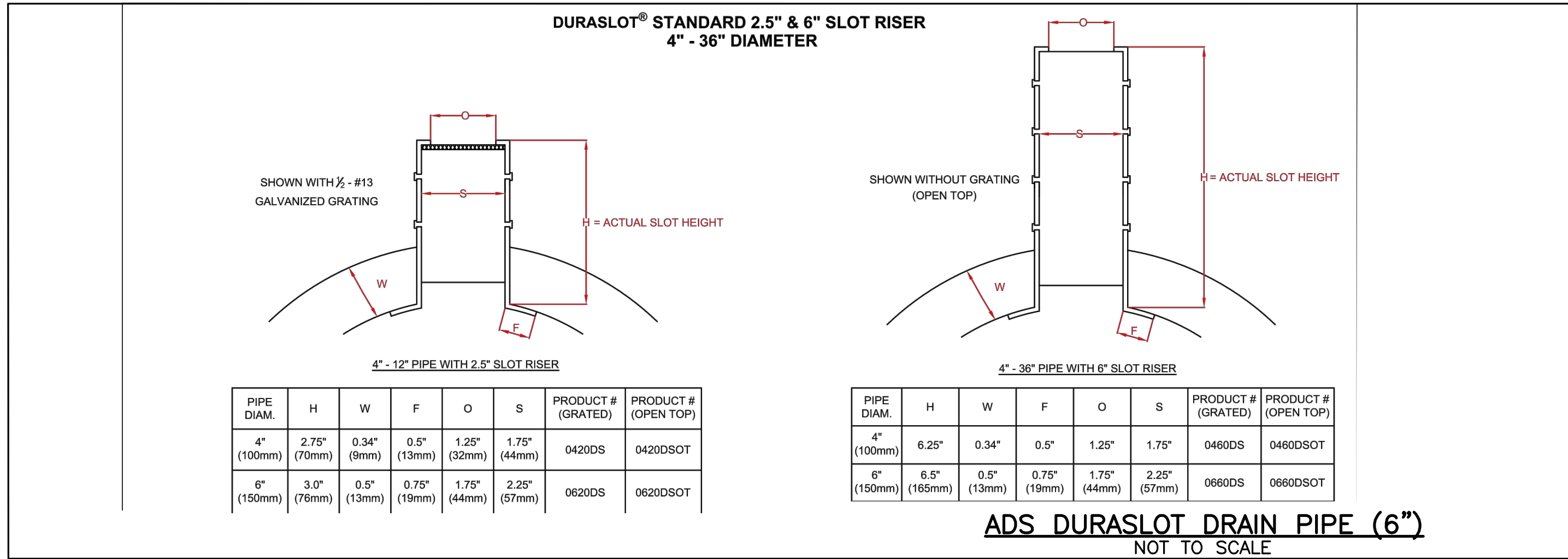
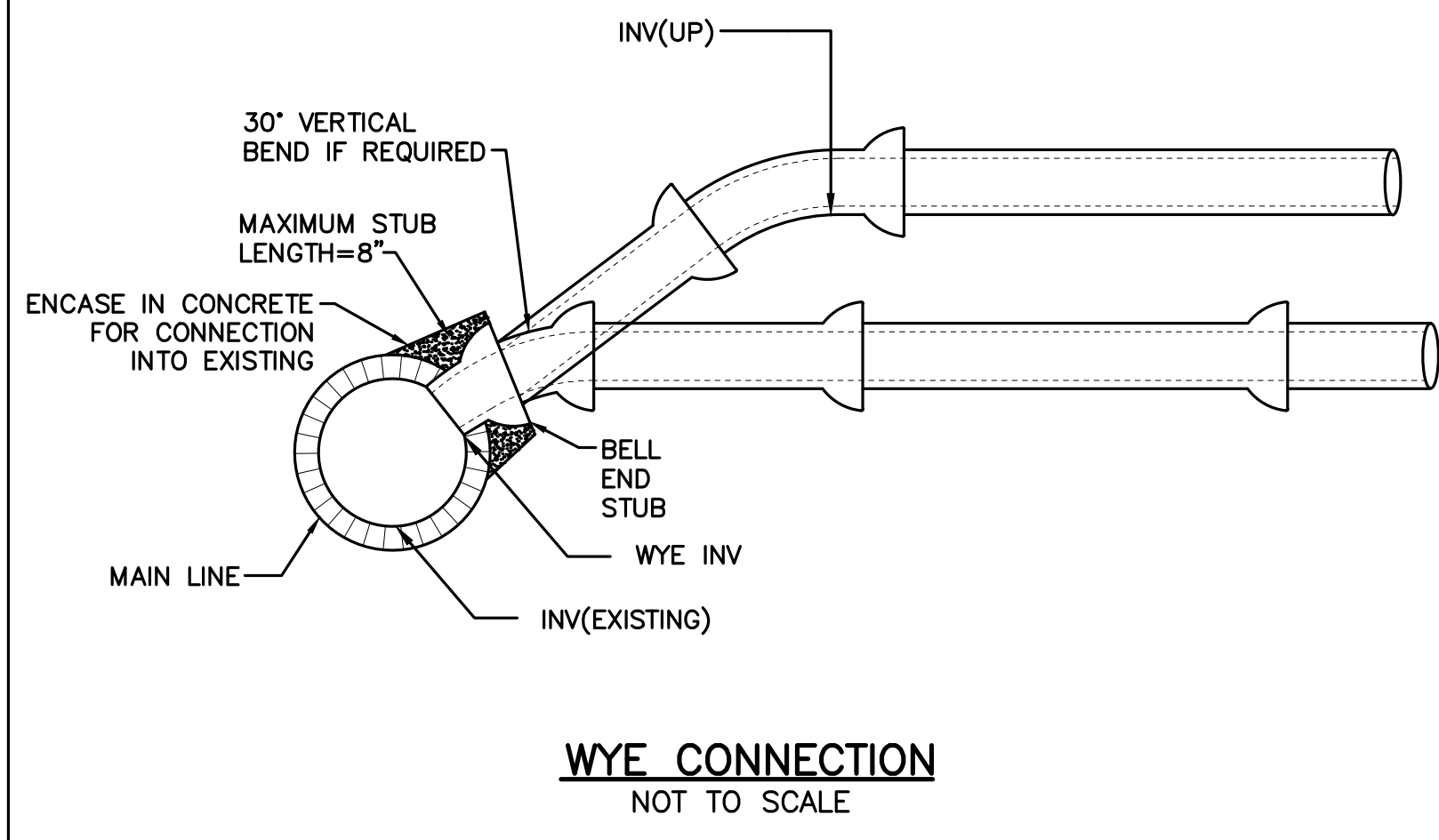
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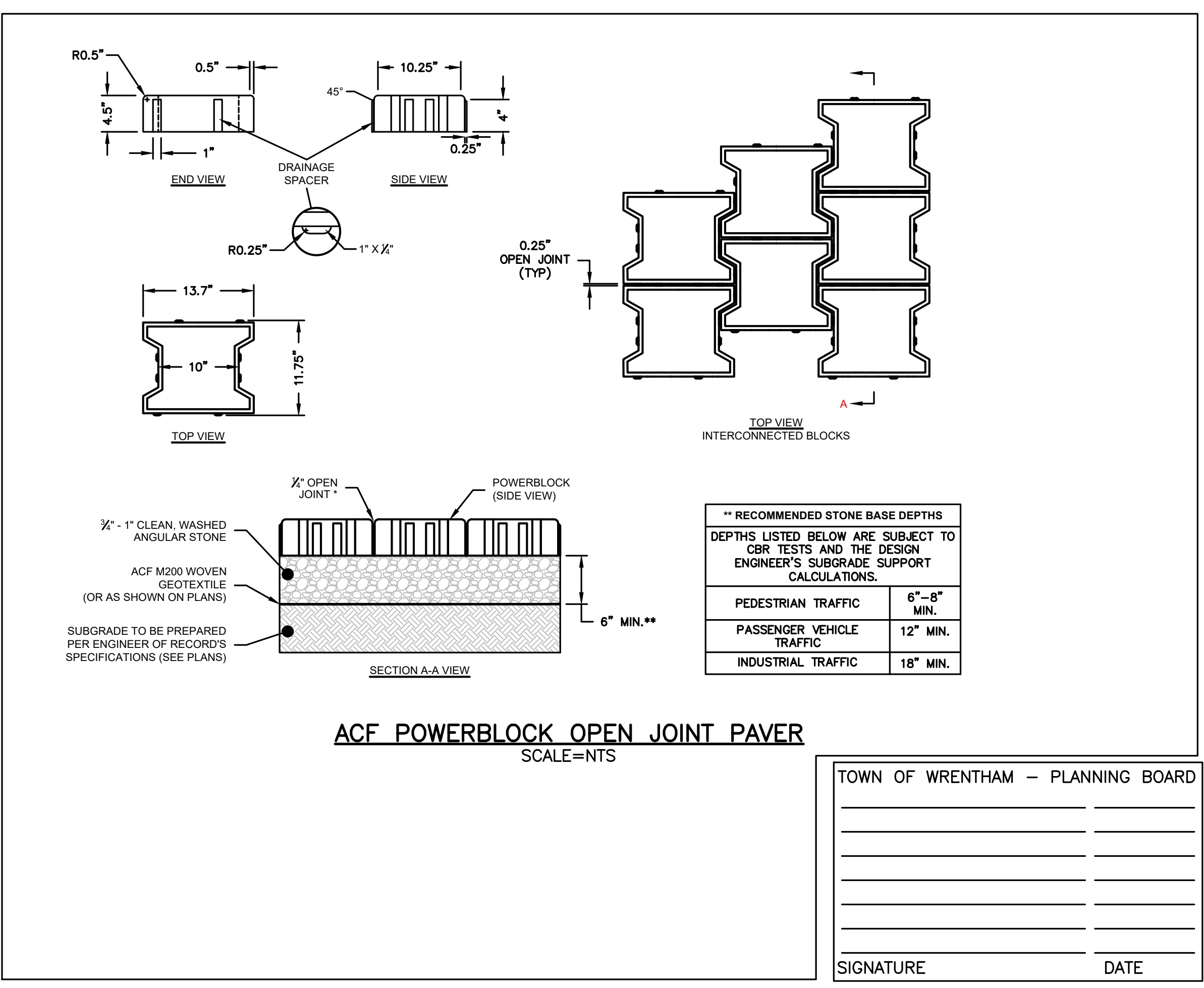
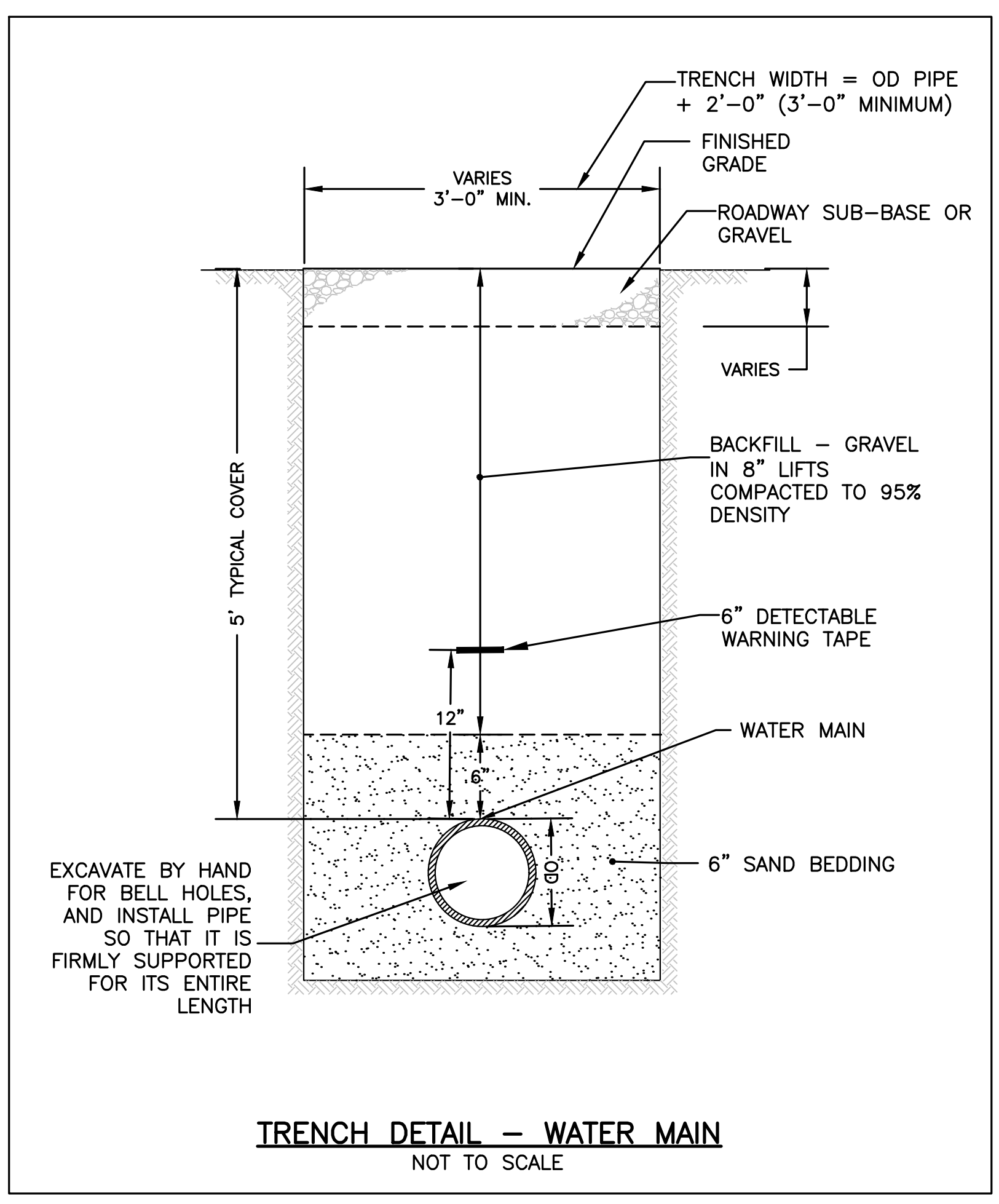
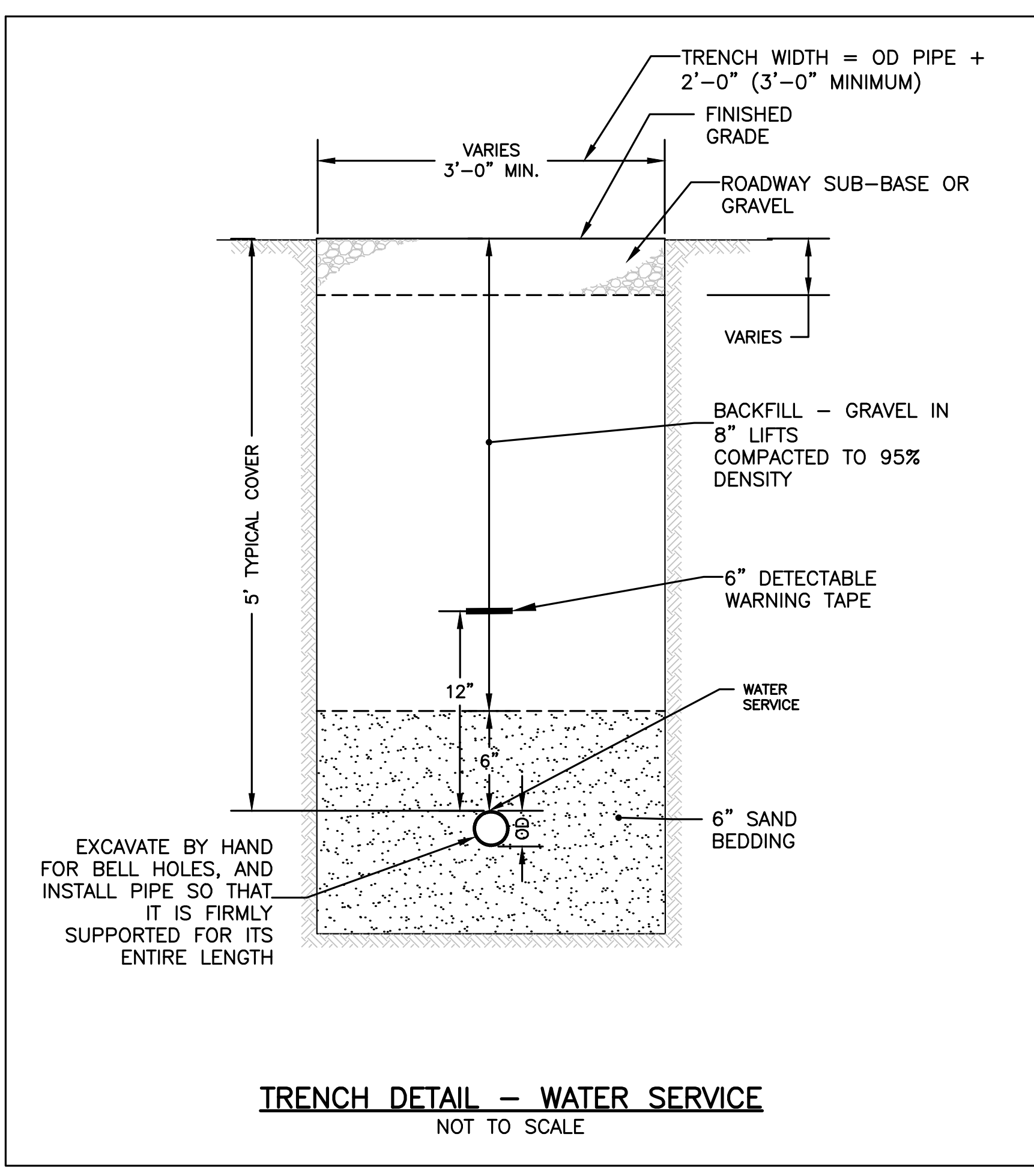
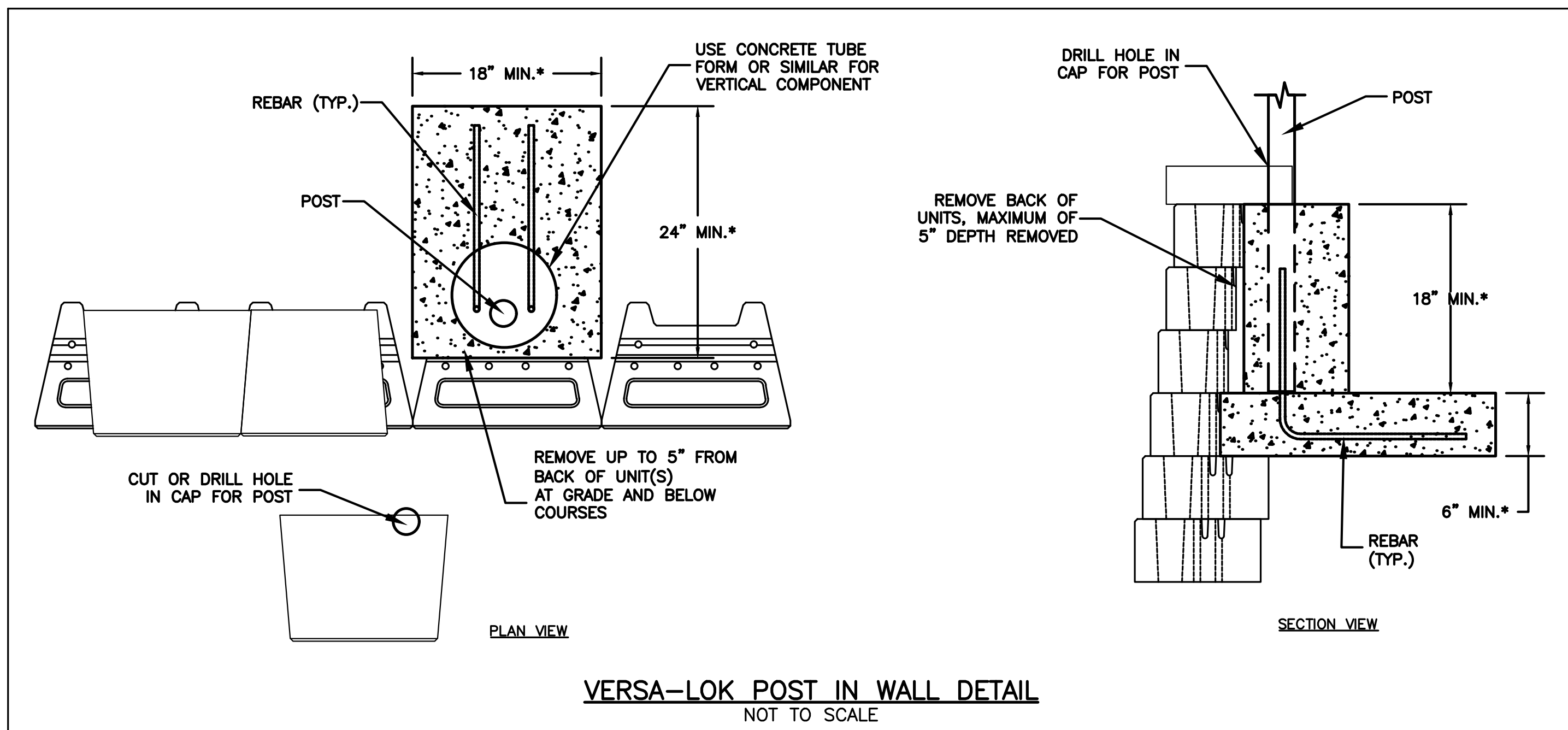
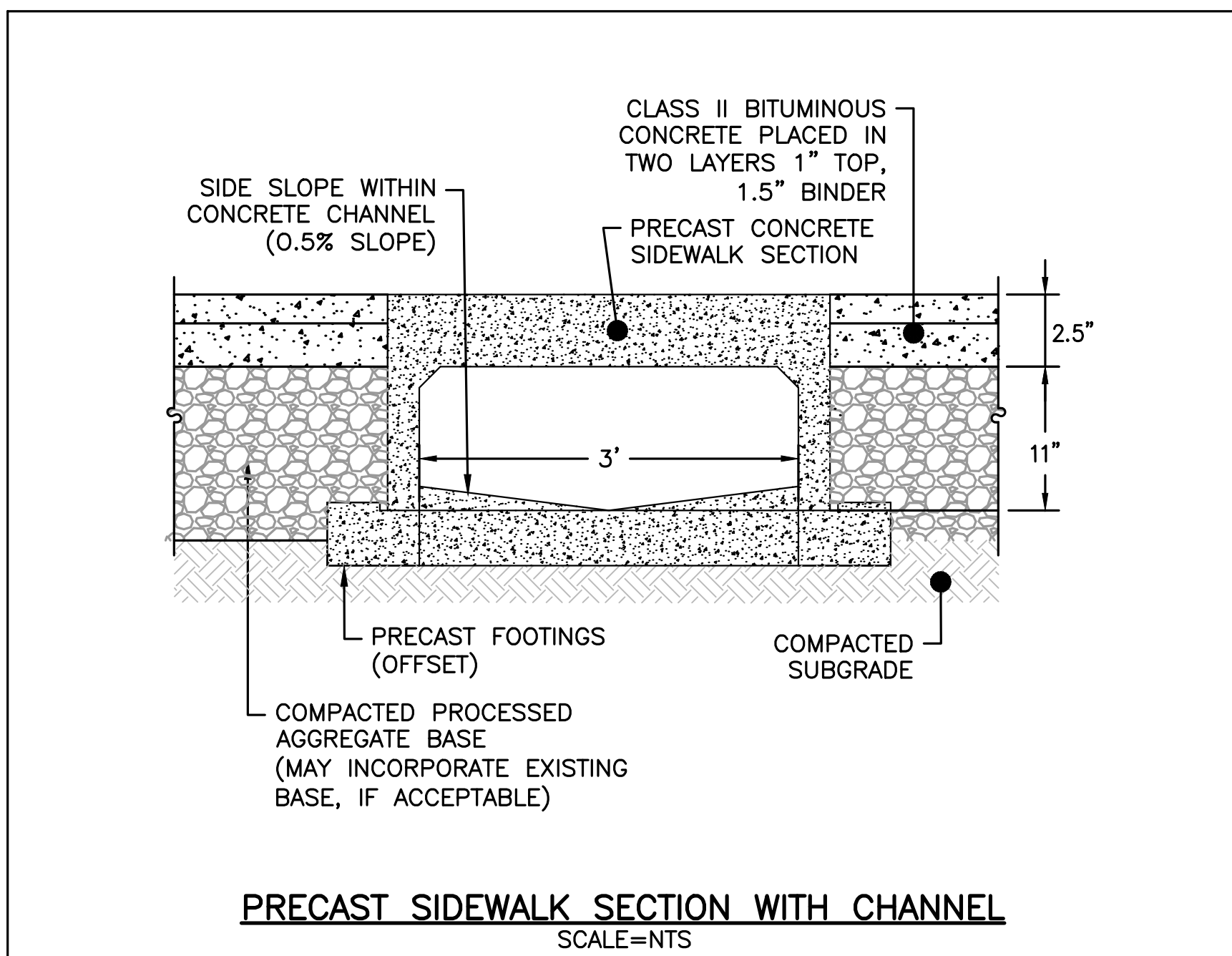
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SHEET 27 OF 36



NOTES:
CONSTRUCTION - END FRAMES ARE ONE-PIECE, WELDED CONSTRUCTION WITH A BACK AND SEAT BRACKET OF 2-3/8" X 1-1/2" X 1/8" NOMINAL SIZED, DIE-FORMED CHANNEL, AND A 2.375" (2-3/8") O.D. POST TO MEET 2" NOMINAL STEEL PIPE SIZE SPECIFICATIONS. BENCH LEG IS DESIGNED TO BE PERMANENTLY EMBEDDED IN CONCRETE FOOTINGS.

TYPICAL BENCH SEATING
NOT TO SCALE



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SITE PLAN

DETAIL SHEET
3 OF 11

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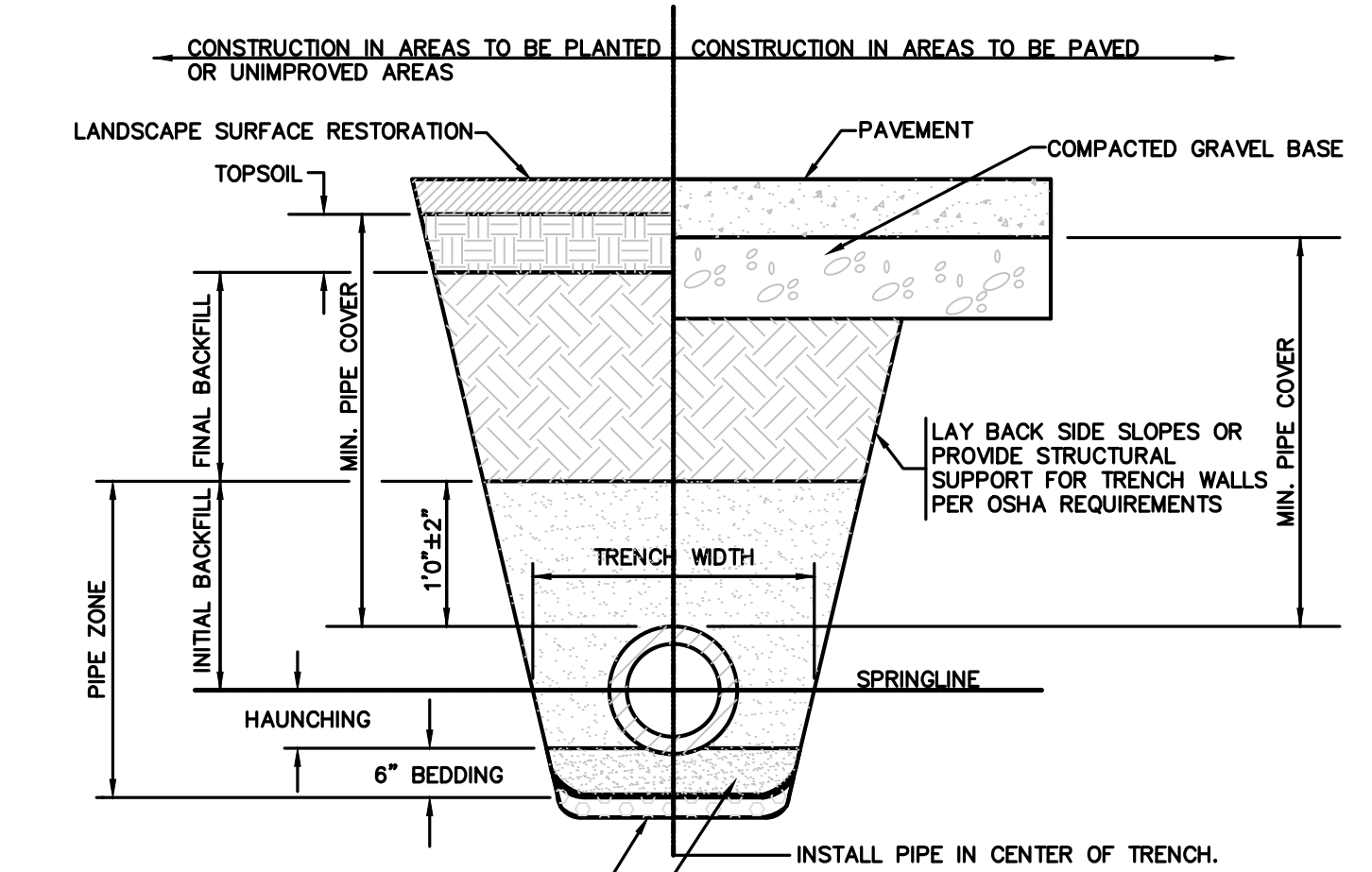
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SHEET 29 OF 36



CONSTRUCTION IN AREAS TO BE PLANTED OR UNIMPROVED AREAS | CONSTRUCTION IN AREAS TO BE PAVED

LANDSCAPE SURFACE RESTORATION | PAVEMENT | COMPACTED GRAVEL BASE

TOPSOIL | MIN. PIPE COVER | MIN. PIPE COVER

INITIAL BACKFILL | TRENCH WIDTH | SPRINGLINE

HAUNCHING | 6" BEDDING | INSTALL PIPE IN CENTER OF TRENCH.

FOUNDATION STABILIZATION WHEN REQUIRED BY ENGINEER OTHERWISE, PLACE BEDDING ON UNDISTURBED NATURAL SOIL.

SHAPE BEDDING BY HAND TO FIT BOTTOM OF PIPE. INSTALL PIPE ON STABLE BEDDING WITH UNIFORM BEARING UNDER FULL LENGTH OF PIPE BARREL.

TRENCH WIDTH:
 [1] MINIMUM WIDTH OF TRENCH MEASURED AT SPRINGLINE OF PIPE, INCLUDING ANY NECESSARY SHEATHING.

PIPE I.D.	WIDTH
6" TO 42"	O.D. + 24"
GREATER THEN 42"	O.D. + 30"

MINIMUM PIPE COVER:
 [1] MINIMUM SOIL COVER OVER TOP OF PIPE.

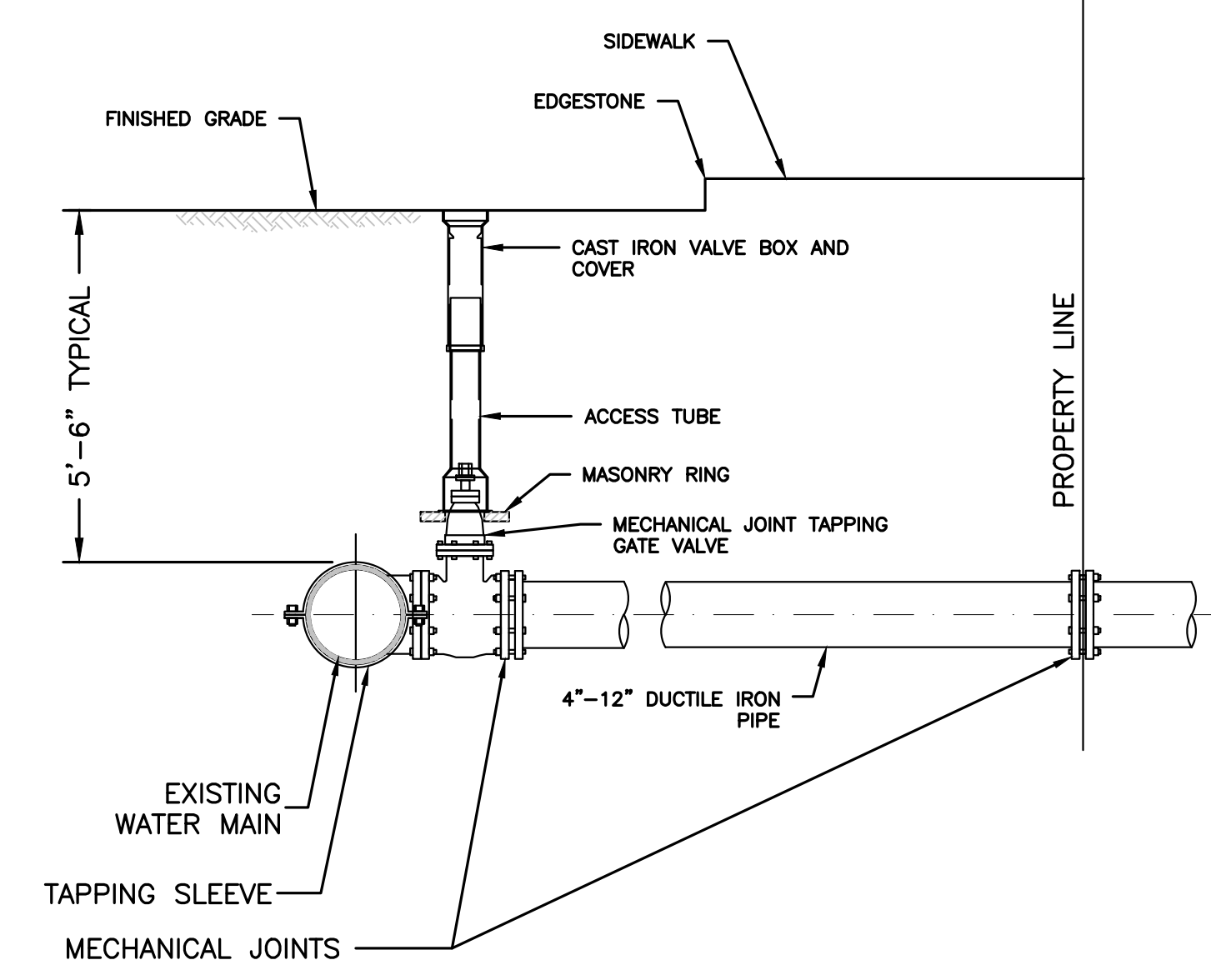
PIPE MATERIAL	HDPE, PVC	RC, DI
WATER	5' - 0"	5' - 0"
SEWER	5' - 0"	5' - 0"
DRAIN	1' - 0"	1' - 0"

FOUNDATION, BEDDING AND BACKFILL MATERIALS

PIPE MATERIAL	HDPE, PVC	RC, DI
FOUNDATION STABILIZATION	[NOTE 1]	[NOTE 1]
BEDDING	[NOTE 2]	[NOTE 2]
HAUNCHING	[NOTE 2]	[NOTE 2]
INITIAL BACKFILL	[NOTE 2]	[NOTE 2]
FINAL BACKFILL	[NOTE 3]	[NOTE 3]

MATERIAL KEY NOTES (SEE TABLE BELOW):
 [1] PLACE 2" MINUS CRUSHED STONE.
 [2] PLACE 1/2" MINUS SAND BORROW (MHD M1.04.1), AT OPTIMUM MOISTURE IN HORIZONTAL 6" DEEP LOOSE LAYERS, COMPACT TO 95% PER ASTM D-1557 MODIFIED PROCTOR METHOD.
 [3] IN PLANTED OR UNIMPROVED AREAS, USE 2-INCH MINUS ON-SITE EXCAVATED MATERIAL. COMPACT TO 95% PER ASTM D-1557. IN PAVED AREAS, OBTAIN ENGINEER APPROVAL OF 2-INCH MINUS ON-SITE EXCAVATED MATERIALS.

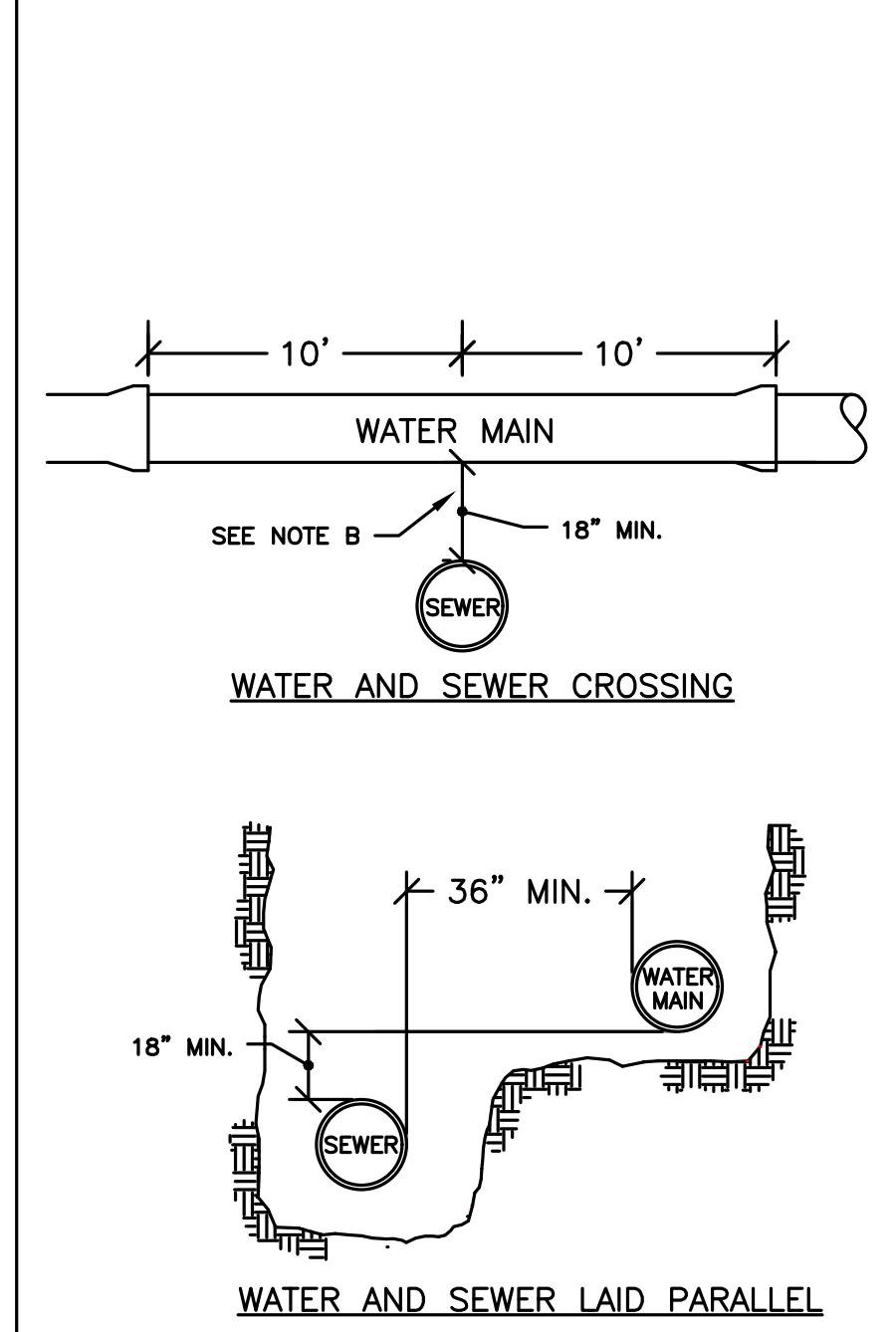
PIPE TRENCH
 NOT TO SCALE



NOTES:

- CONCRETE THRUST BLOCK TO BE USED ONLY WHERE IT WILL BEAR ON UNDISTURBED EARTH.
- USE RESTRAINED JOINT FITTINGS OR TIE RODS WHERE CONCRETE THRUST BLOCK IS UNACCEPTABLE.
- SIZE OF BLOCK OR MEGALUG TO BE DESIGNED FOR SPECIFIC CONDITIONS.

TAPPING SLEEVE & VALVE
 NOT TO SCALE



NOTES:
 THE SEPARATION OF WATER MAINS AND SEWERS SHALL COMPLY WITH THE FOLLOWING GENERAL REQUIREMENTS.

A. PARALLEL INSTALLATION:

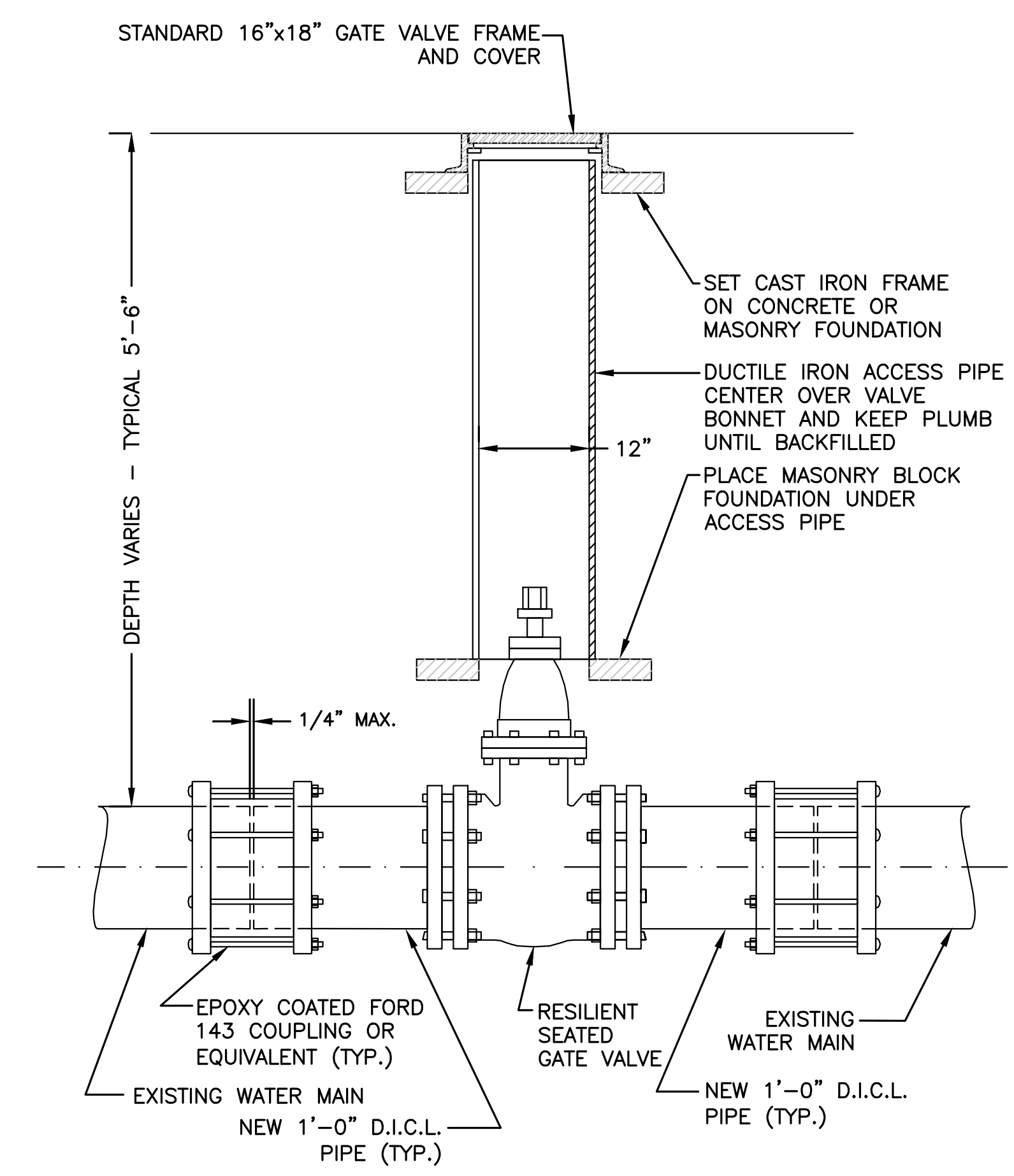
- NORMAL CONDITIONS: THE INSIDE EDGE OF A WATER MAIN SHALL BE LAID AT LEAST 10 FEET HORIZONTALLY FROM THE INSIDE EDGE OF ANY SANITARY SEWER, STORM SEWER OR SEWER MANHOLE.
- WHEN LOCAL CONDITIONS PREVENT A HORIZONTAL SEPARATION OF 10 FEET, ONE OF TWO METHODS MAY BE EMPLOYED. IN BOTH CASES THE INVERT OF THE WATER LINE MUST BE AT LEAST 18" ABOVE THE CROWN OF THE SEWER LINE.

- LAY WATER AND SEWER IN SEPARATE TRENCHES
- LAY THE WATER AND SEWER IN THE SAME TRENCH WITH THE WATER MAIN AT ONE SIDE ON A BENCH OF UNDISTURBED EARTH WITH A MINIMUM HORIZONTAL SEPARATION FROM INSIDE PIPE TO INSIDE PIPE OF 36"

B. CROSSINGS:

- WHEN SEWERS MUST CROSS UNDER WATER MAINS, THE SEWER LAID SUCH THAT THE INVERT OF THE WATER LINE IS AT LEAST 18 INCHES ABOVE THE CROWN OF THE SEWER LINE.
- WHEN THE SEWER ELEVATION CANNOT BE VARIED TO MEET THE REQUIREMENT, THE WATER LINE MUST BE RELOCATED OR RECONSTRUCTED WITH MECHANICAL JOINT CEMENT LINED DUCTILE IRON PIPE FOR A DISTANCE OF 10 FT ON EACH SIDE OF THE SEWER.
- WHEN IT IS IMPOSSIBLE TO OBTAIN EITHER OR BOTH OF THE ABOVE REQUIREMENTS, BOTH THE WATER AND SEWER LINES SHALL BE CONSTRUCTED OF MECHANICAL JOINT CEMENT LINED DUCTILE IRON PIPE OR OTHER EQUIVALENT MATERIAL. BOTH PIPES SHALL BE PRESSURE TESTED BY AN APPROVED METHOD TO ASSURE WATER TIGHTNESS OR BOTH PIPES SHALL BE ENCASED IN CONCRETE.

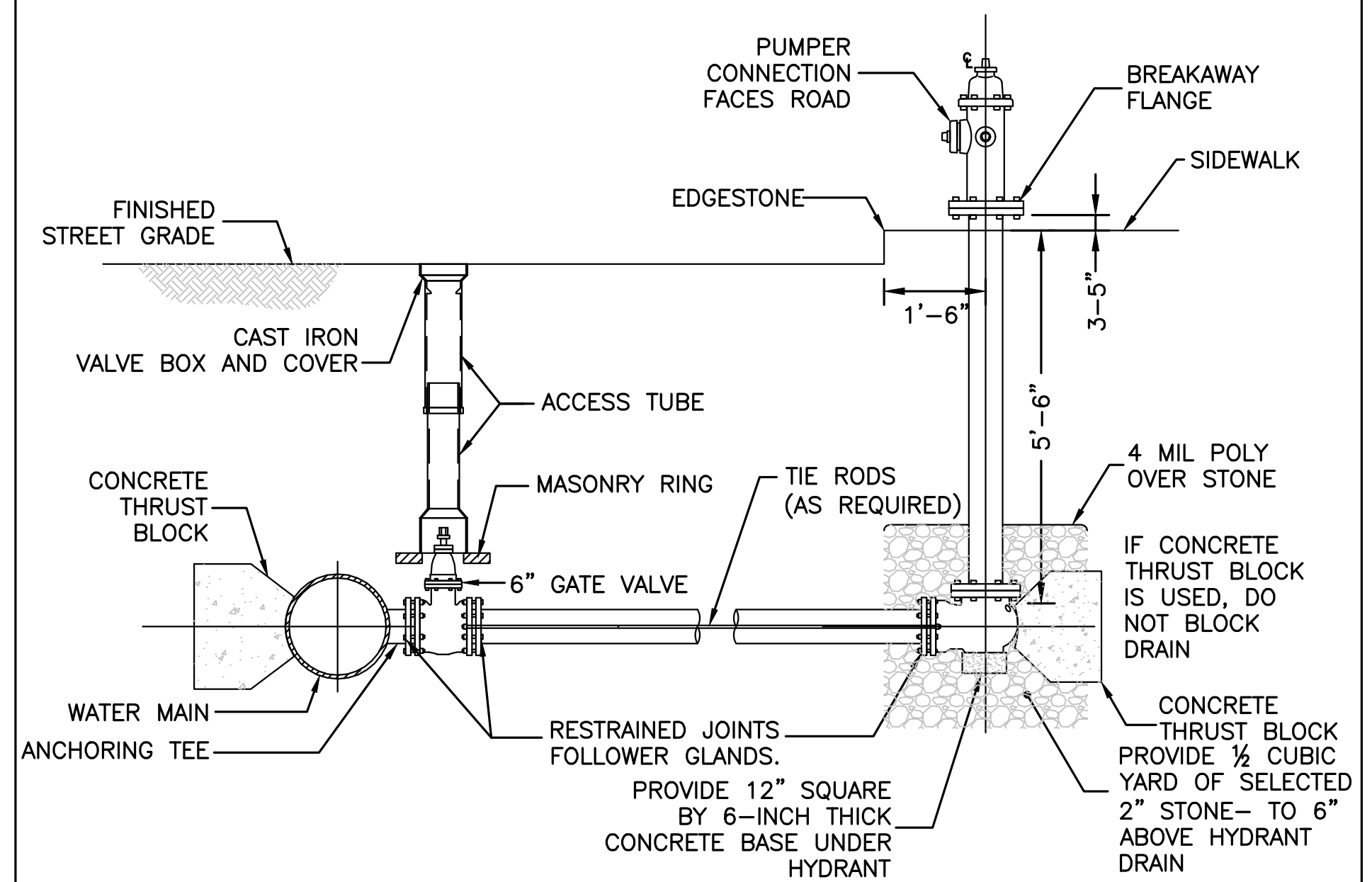
SEWER/WATER MAIN SEPARATION & CROSSING
 NOT TO SCALE



NOTE:

- ALL EXCAVATION AND BACKFILLING AND PAVING SHALL BE IN ACCORDANCE WITH THE CITY OF BOSTON REQUIREMENTS.

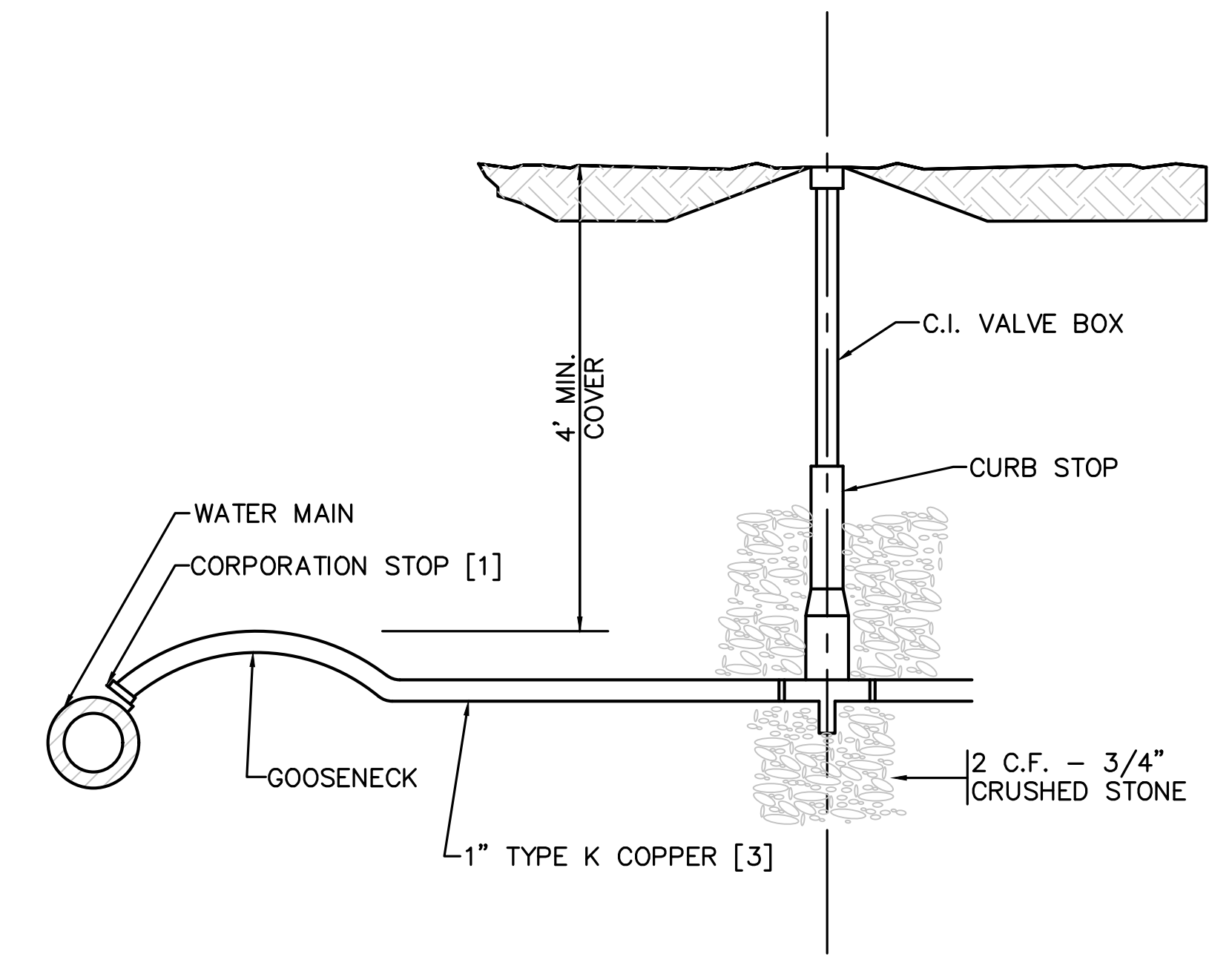
TYPICAL GATE VALVE INSTALLATION
 NOT TO SCALE



NOTES:

- HYDRANT TO BE EITHER AFC AMERICAN DARLING B-62-B OR THE KENNEDY GUARDIAN K-81D HYDRANT.
- HYDRANTS SHALL BE OPEN LEFT
- THE DIRECTION OF THE NOZZLES CAN BE CHANGED 360 DEGREES BY ROTATING THE HYDRANT WITHOUT DIGGING UP THE HYDRANT
- HYDRANT SHALL HAVE TWO (2) 2.5" HOSE NOZZLES AND ONE (1) 4.5" PUMPER NOZZLE.

TYPICAL FIRE HYDRANT CONNECTION FOR HIGH OR LOW SERVICE LINE
 NOT TO SCALE



NOTES:

- WATER SERVICES LARGER THAN 1" ARE TO BE RESTRAINED TO MAIN WITH APPROVED SADDLE.
- COORDINATE BUILDING CONNECTION WITH PLUMBING DRAWINGS.
- WATER SERVICE TO BE SLEEVED IF CROSSING SEWER MAIN. SLEEVE SHALL 2" PVC SCH 40. SLEEVE SHALL BE 20' IN LENGTH (10' ON EACH SIDE OF THE CROSSING)

TYPICAL WATER SERVICE (AND SLEEVE)
 NOT TO SCALE

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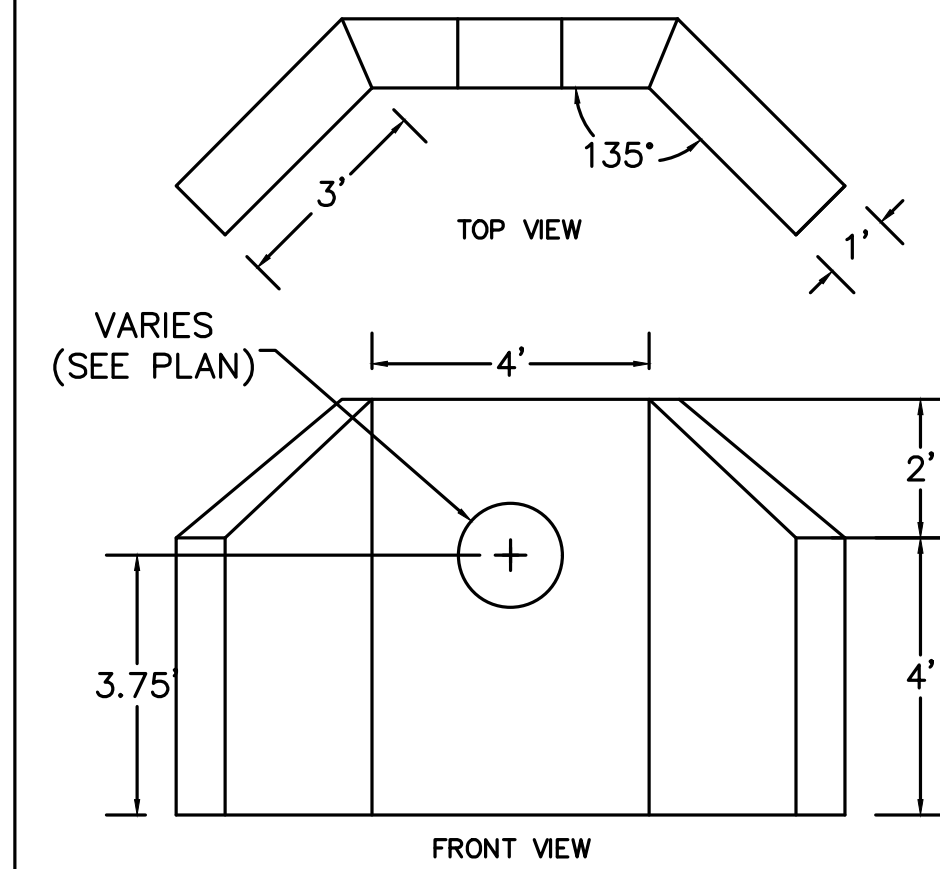
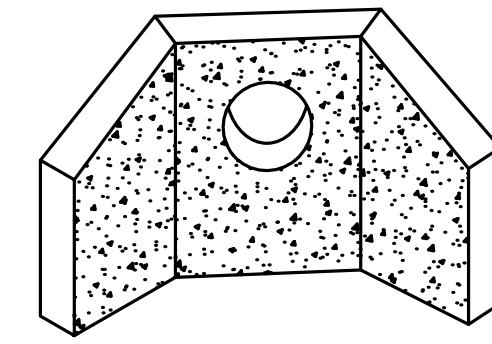
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5 OF 11

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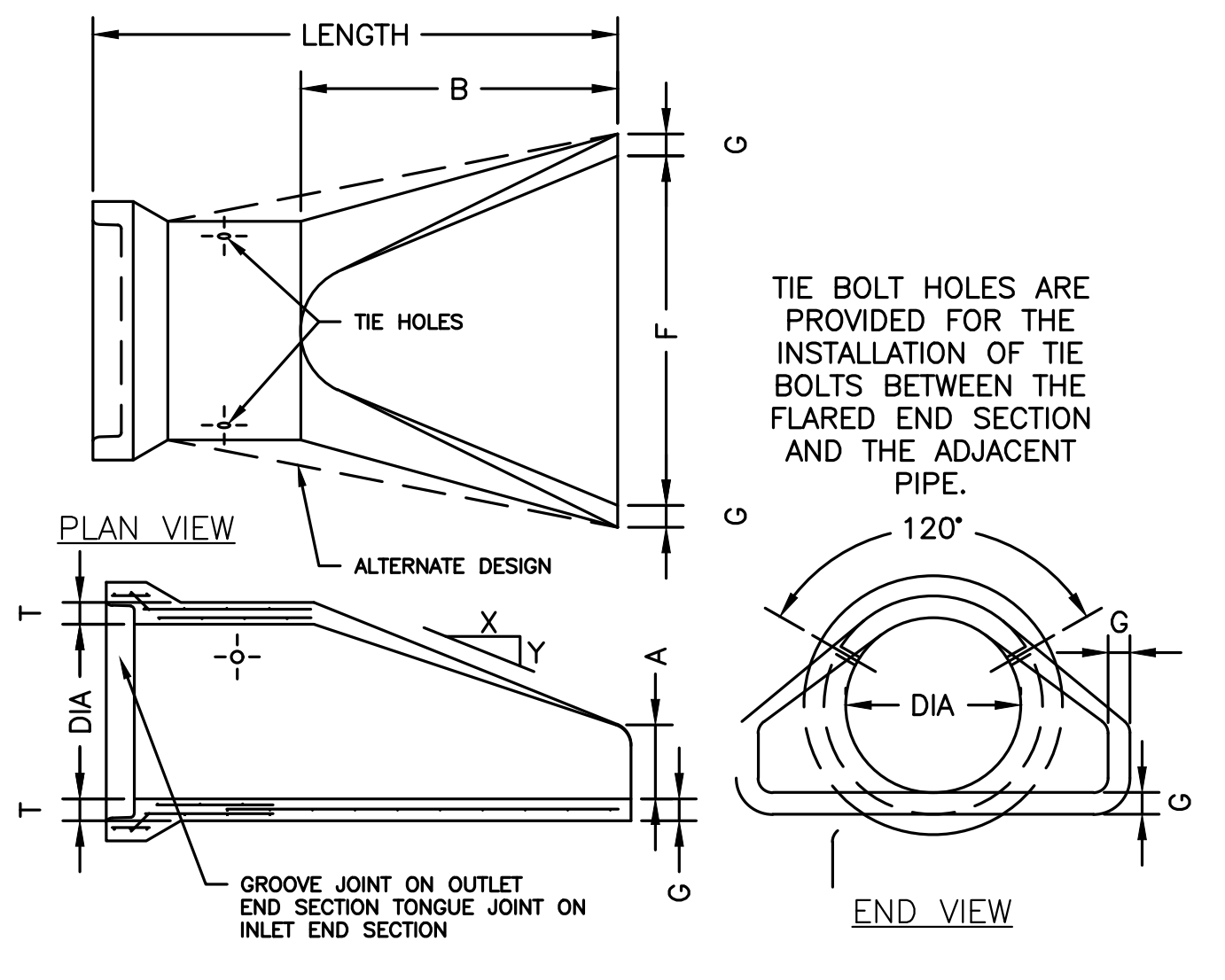
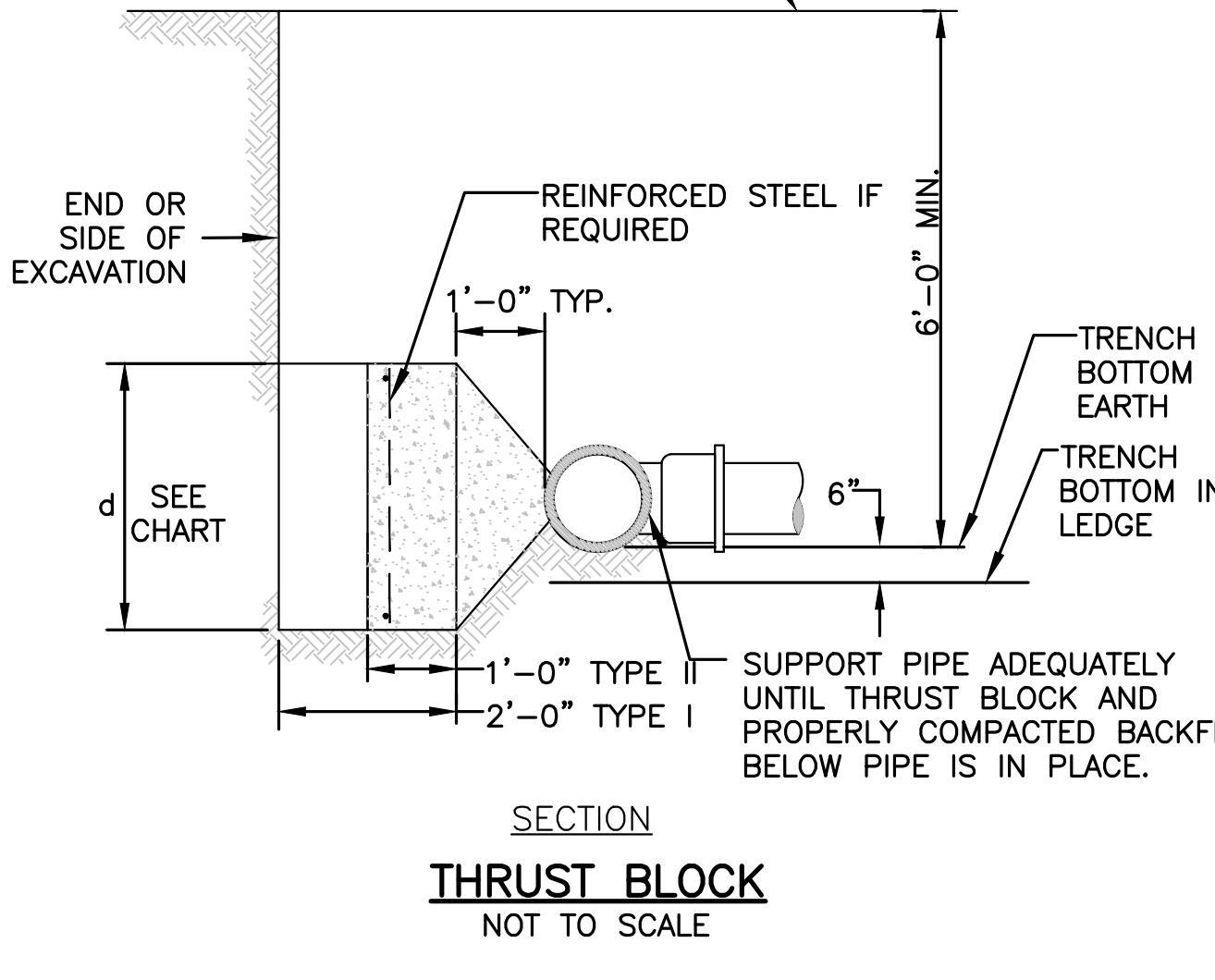
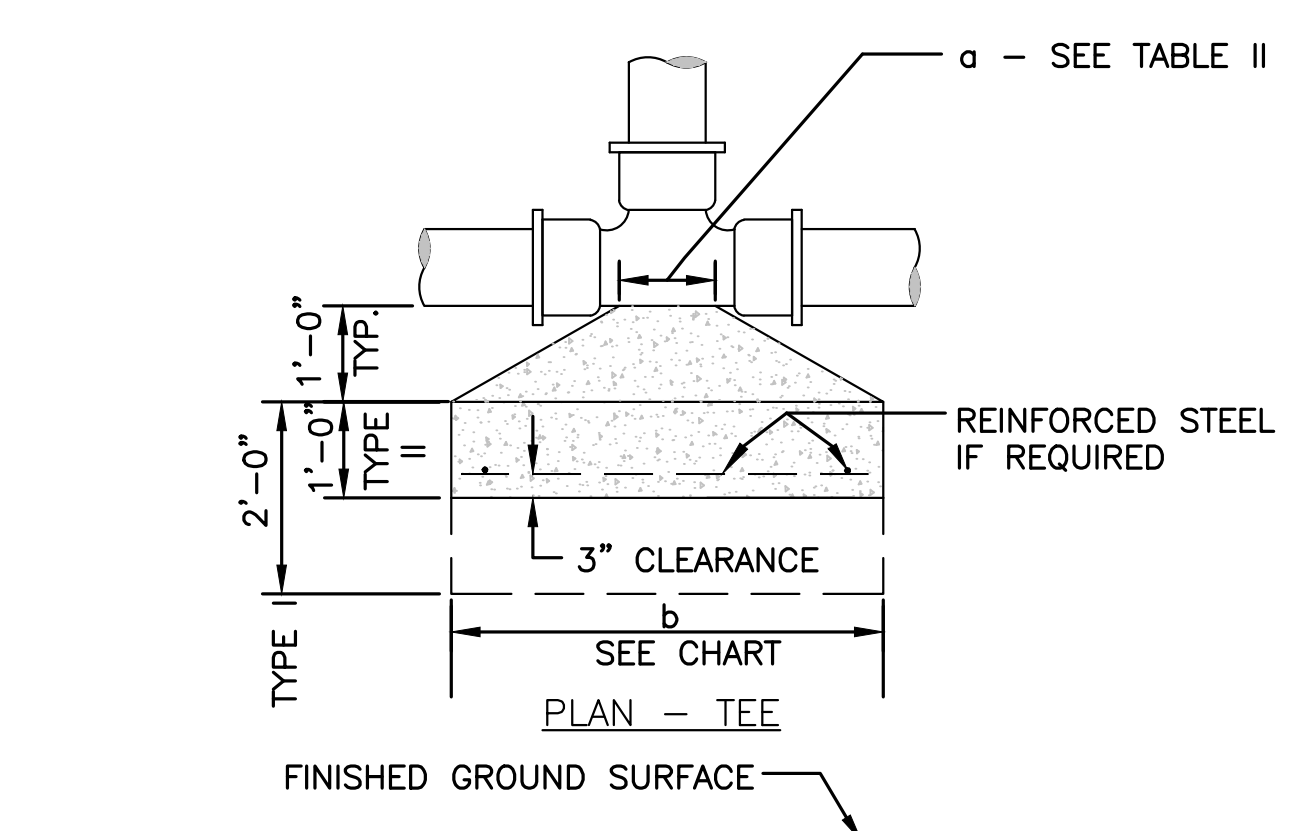
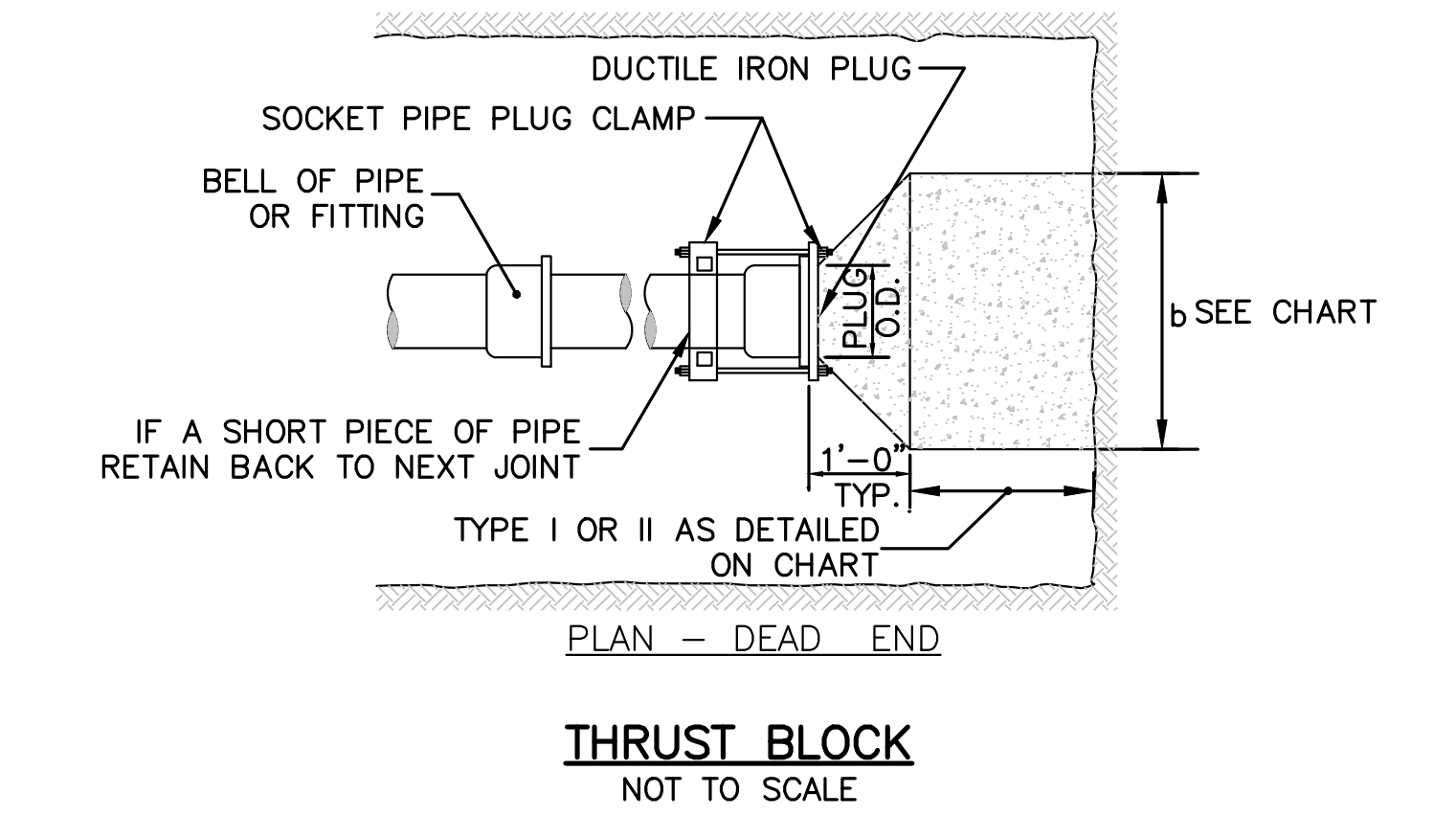
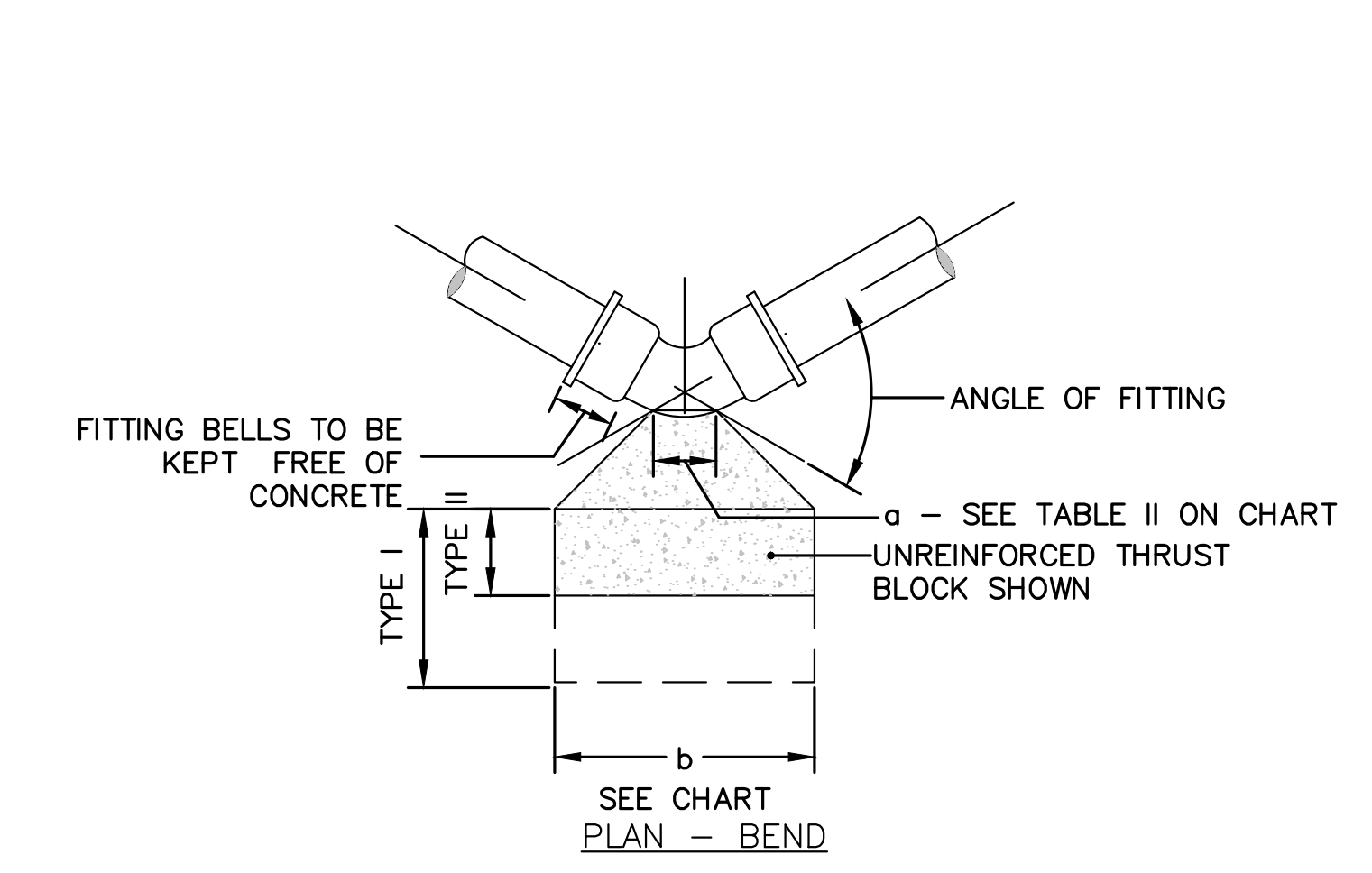
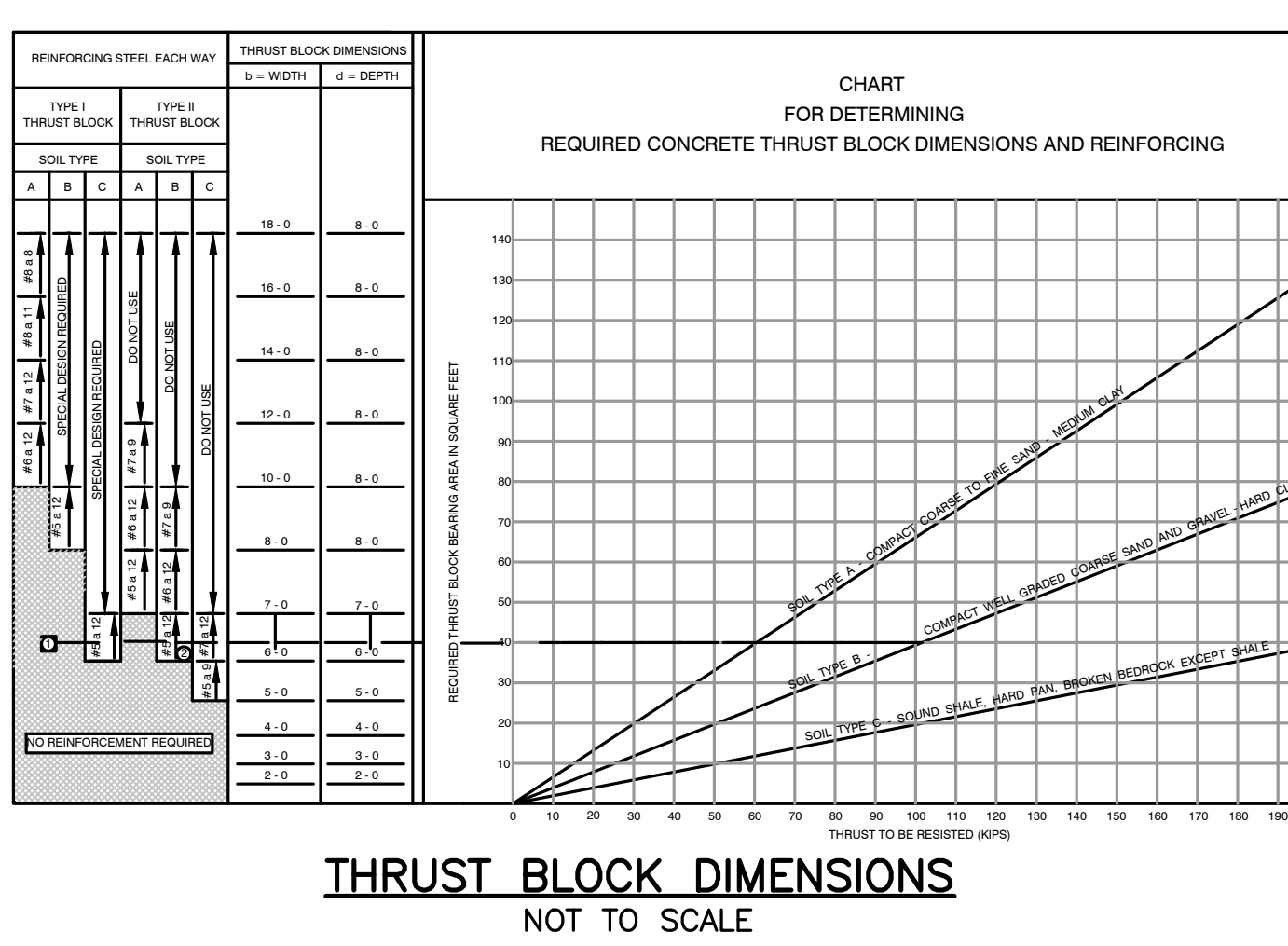
NOTES:
1. CONCRETE: 5,000 PSI MINIMUM AFTER 28 DAYS.

SHEA CONCRETE WING HEADWALL
NOT TO SCALE

TABLE I - THRUST - KIPS (WATER PRESSURE = 200 P.S.I.)

PIPE DIAMETER (INCHES)	6	8	10	12	16	20	24	30	36	42
DEAD END HEAD LOSS	5.8	10	15.8	22.8	42.2	62.6	90.4	141.0	208.8	277.0
90° FITTING	7.9	14.2	22.4	32.0	58.8	89.9	127.5	199.0	289.0	382.0
45° FITTING	11.1	17.6	28.1	41.7	70.0	100.0	137.0	206.0	300.0	395.0
15° FITTING	14.9	21.2	37.0	52.2	86.1	122.0	161.0	231.0	335.0	435.0
10° FITTING	17.3	24.9	41.1	58.0	96.0	136.0	180.0	255.0	365.0	470.0
5° FITTING	18.1	26.1	43.0	61.0	98.0	140.0	185.0	260.0	375.0	485.0
20° FITTING	8.9	12.7	21.6	31.2	55.0	80.0	109.0	155.0	220.0	285.0

DESIGN THRUST BLOCKS OR OTHER SUITABLE ANCHORAGE TO SUIT ACTUAL CONDITIONS



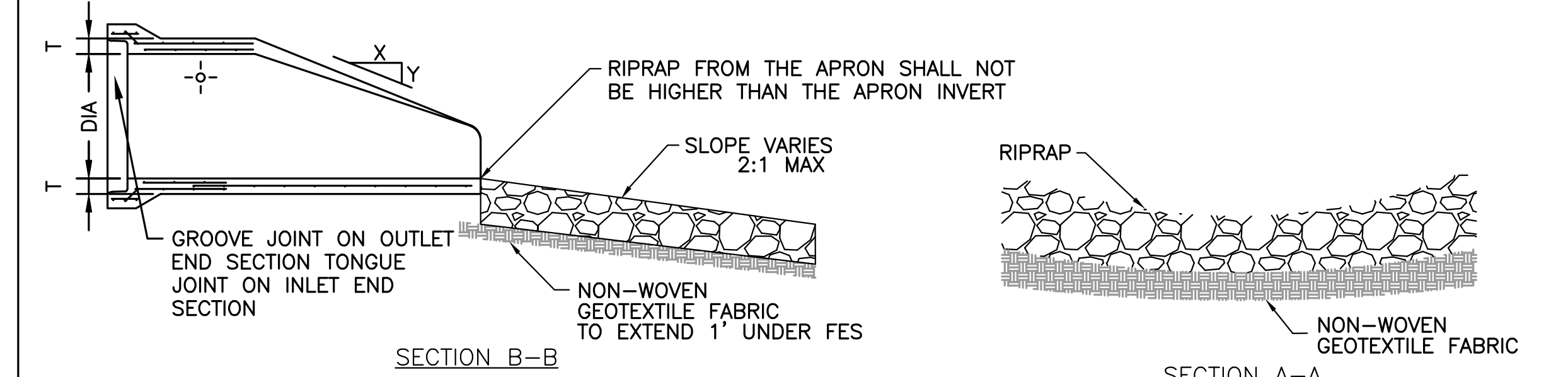
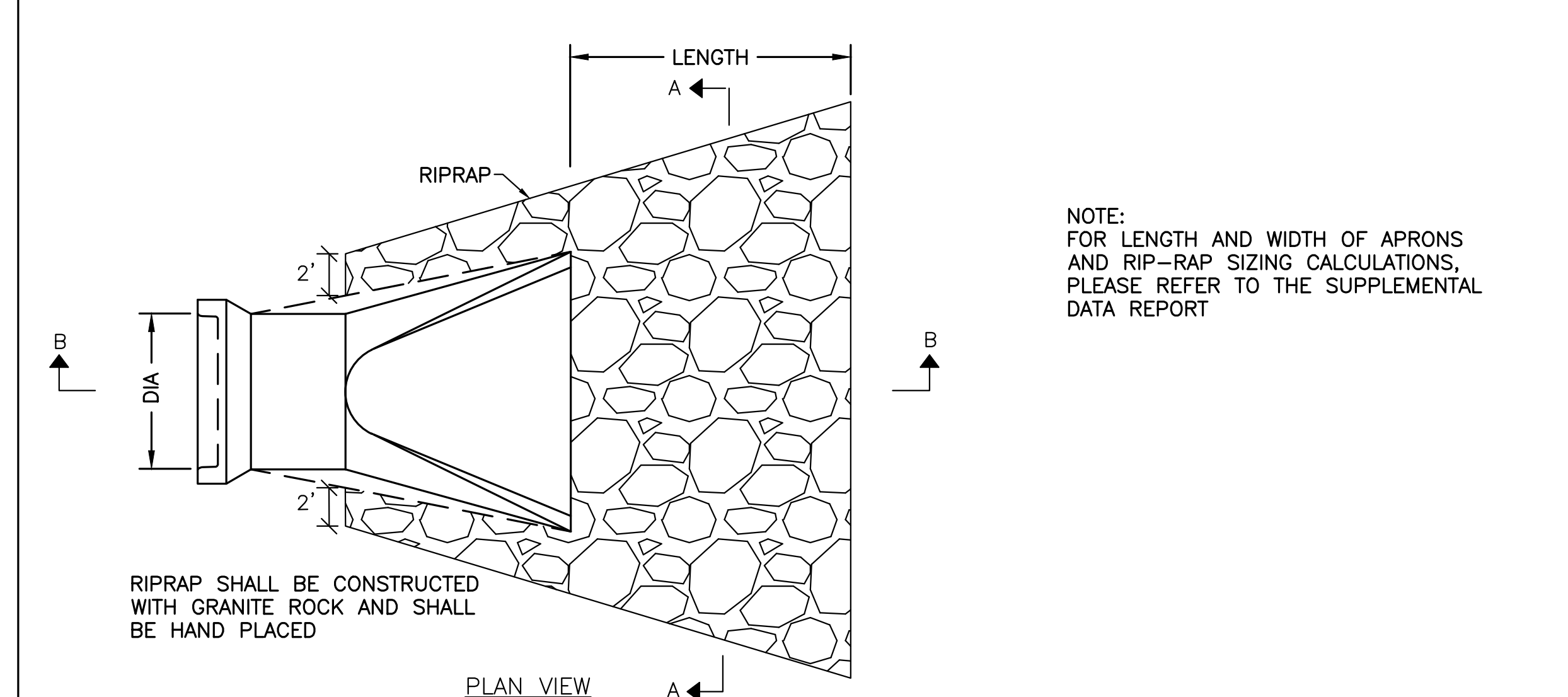
PIPE DIA	LENGTH		SLOPE (X TO Y)	T	A	B	F	G	WEIGHT/SECTION (LBS)
	OUTLET	INLET							
12"	6'-0"	6'-0"	2.4 TO 1	2"	4"	24"	24"	2"	530
15"	6'-0"	6'-0"	2.4 TO 1	2 1/2"	6"	27"	30"	2 1/2"	740
18"	6'-0"	6'-0"	2.3 TO 1	2 3/4"	9"	27"	36"	2 3/4"	990
21"	6'-0"	6'-0"	2.4 TO 1	2 3/4"	9"	36"	42"	2 3/4"	1280
24"	6'-0"	6'-0"	2.5 TO 1	3"	9 1/2"	43 1/2"	48"	3"	1520

FLARED END OUTLET
NOT TO SCALE

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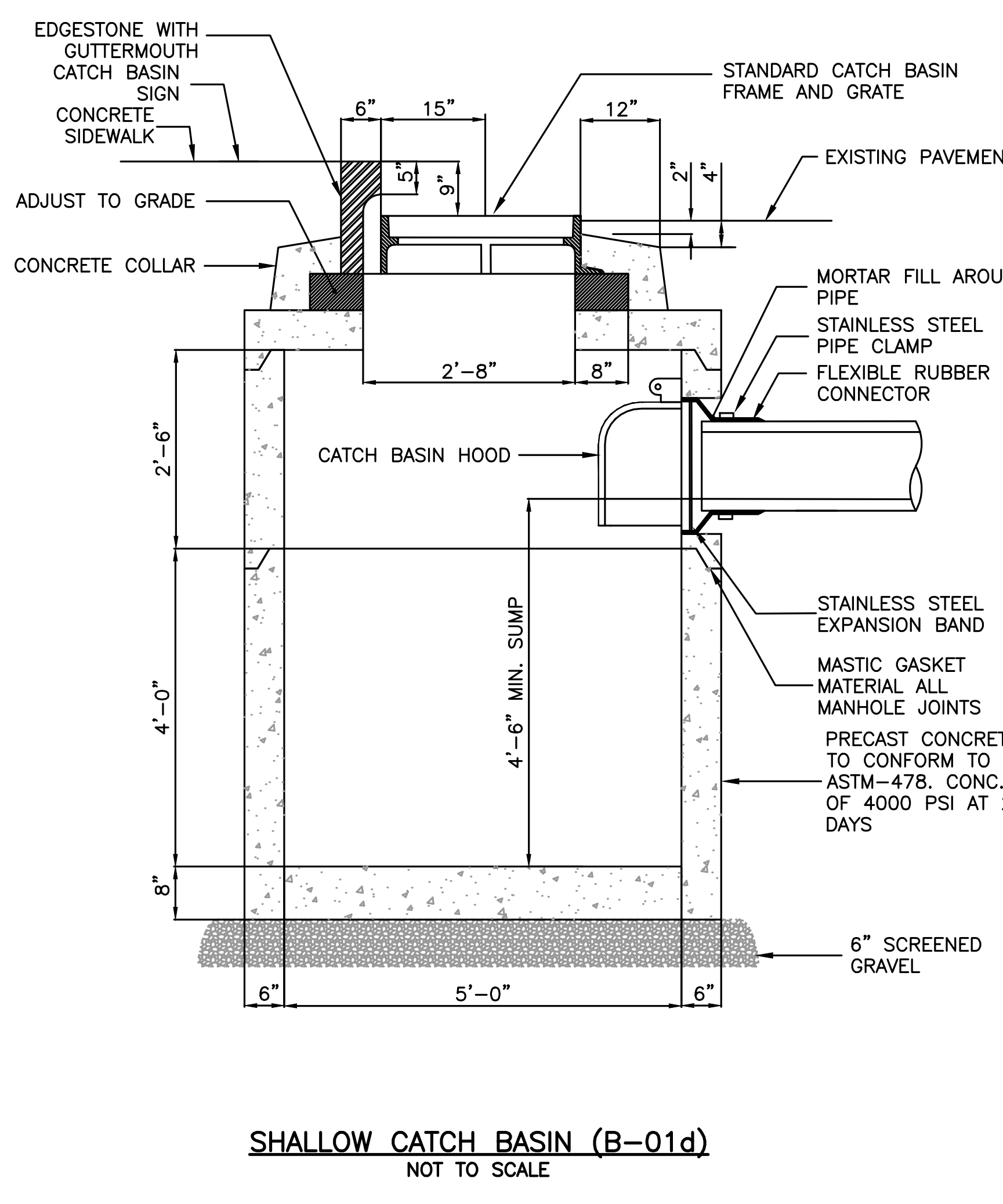
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NOTE: ONE CUBIC YARD IS APPROXIMATELY 1.4 TONS.

RIPRAP FOR FLARED END SECTION
NOT TO SCALE



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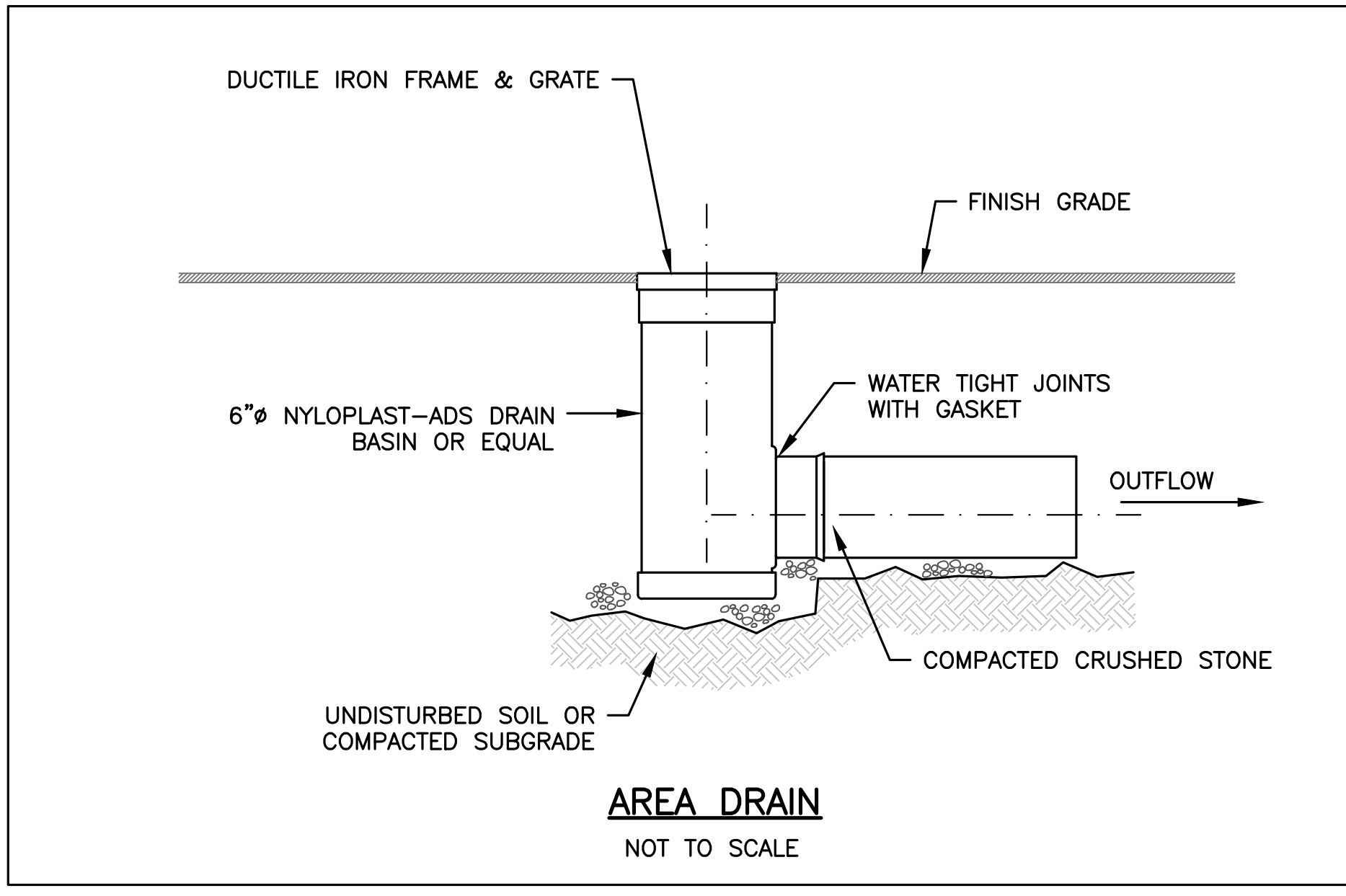
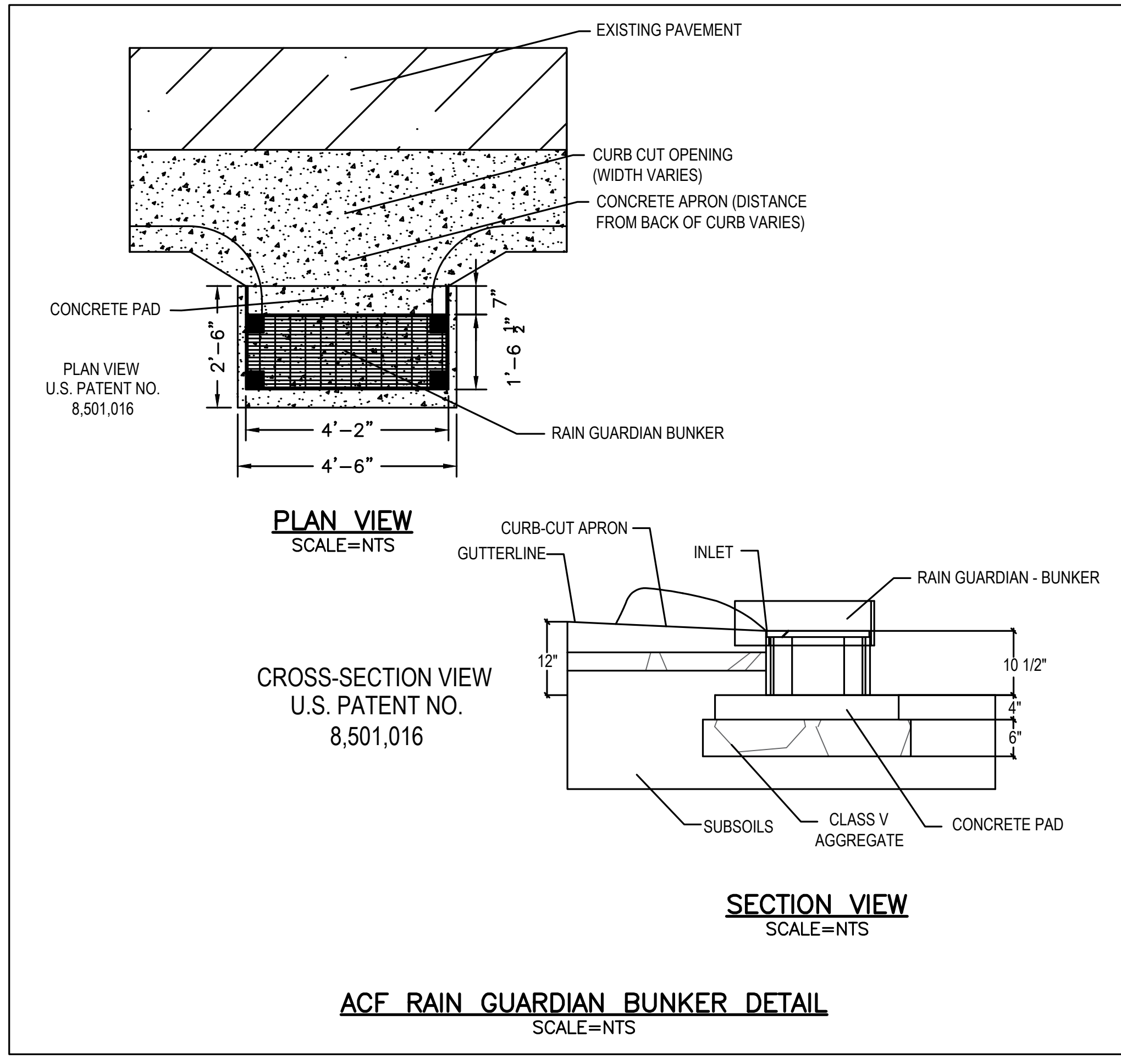
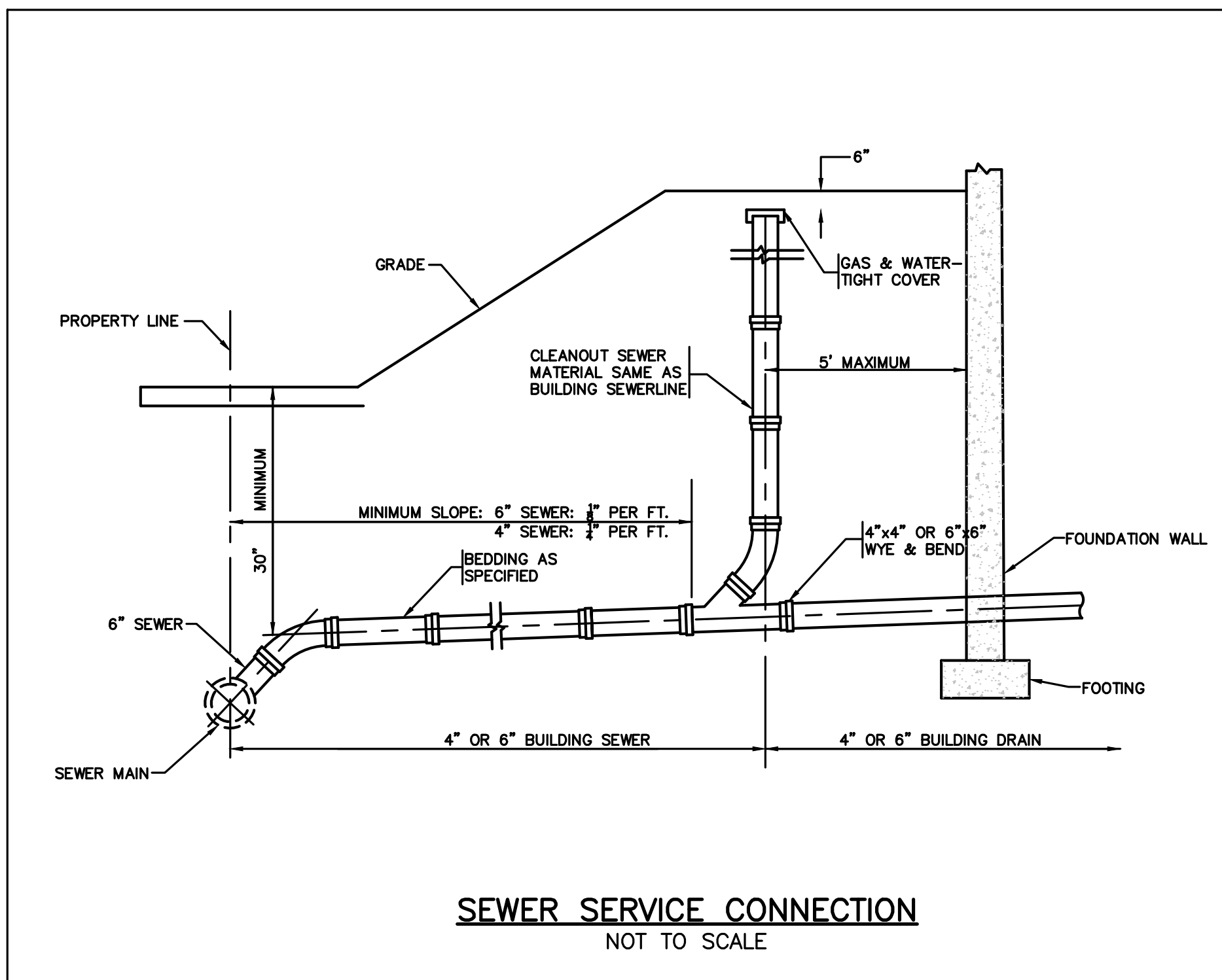
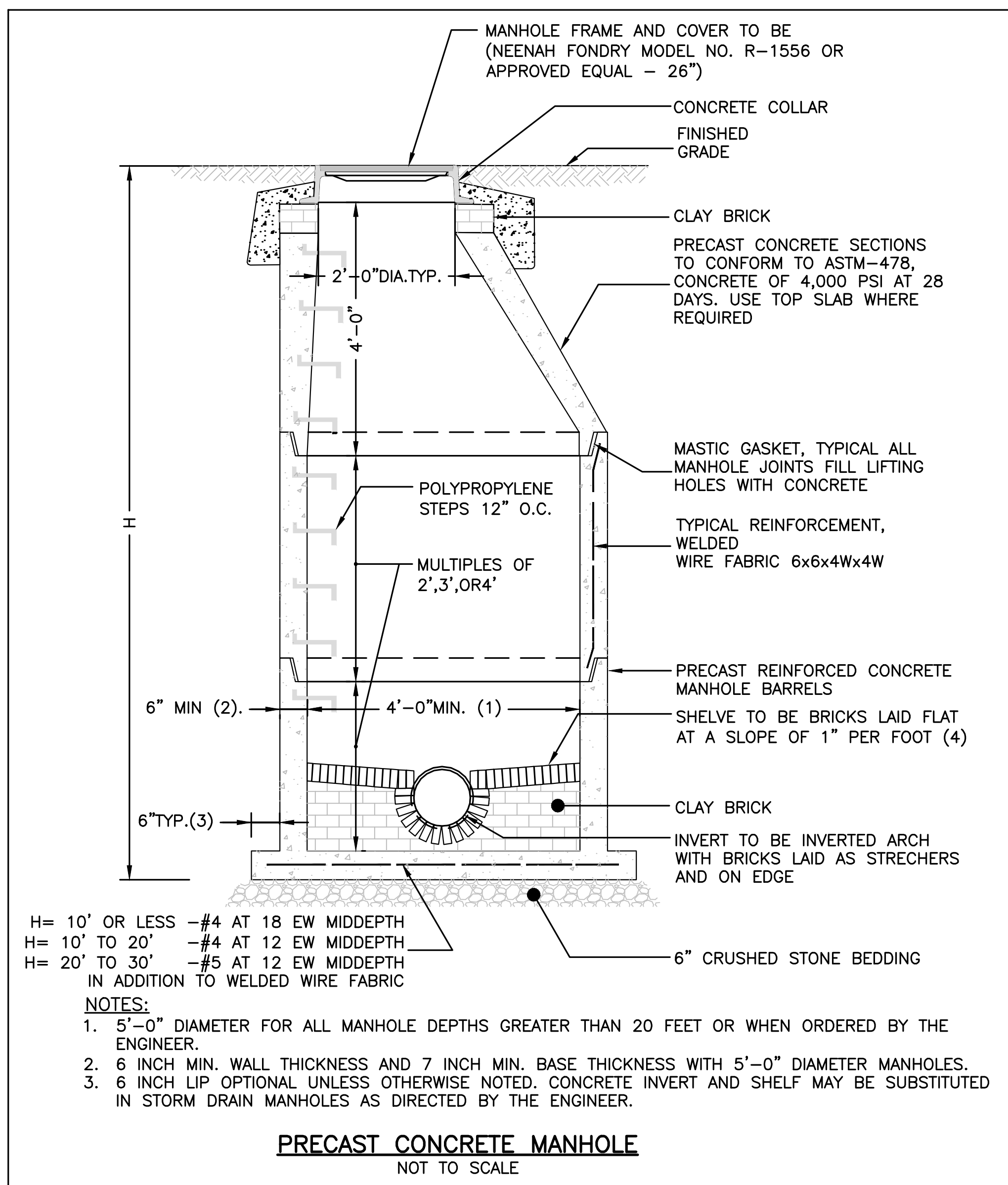
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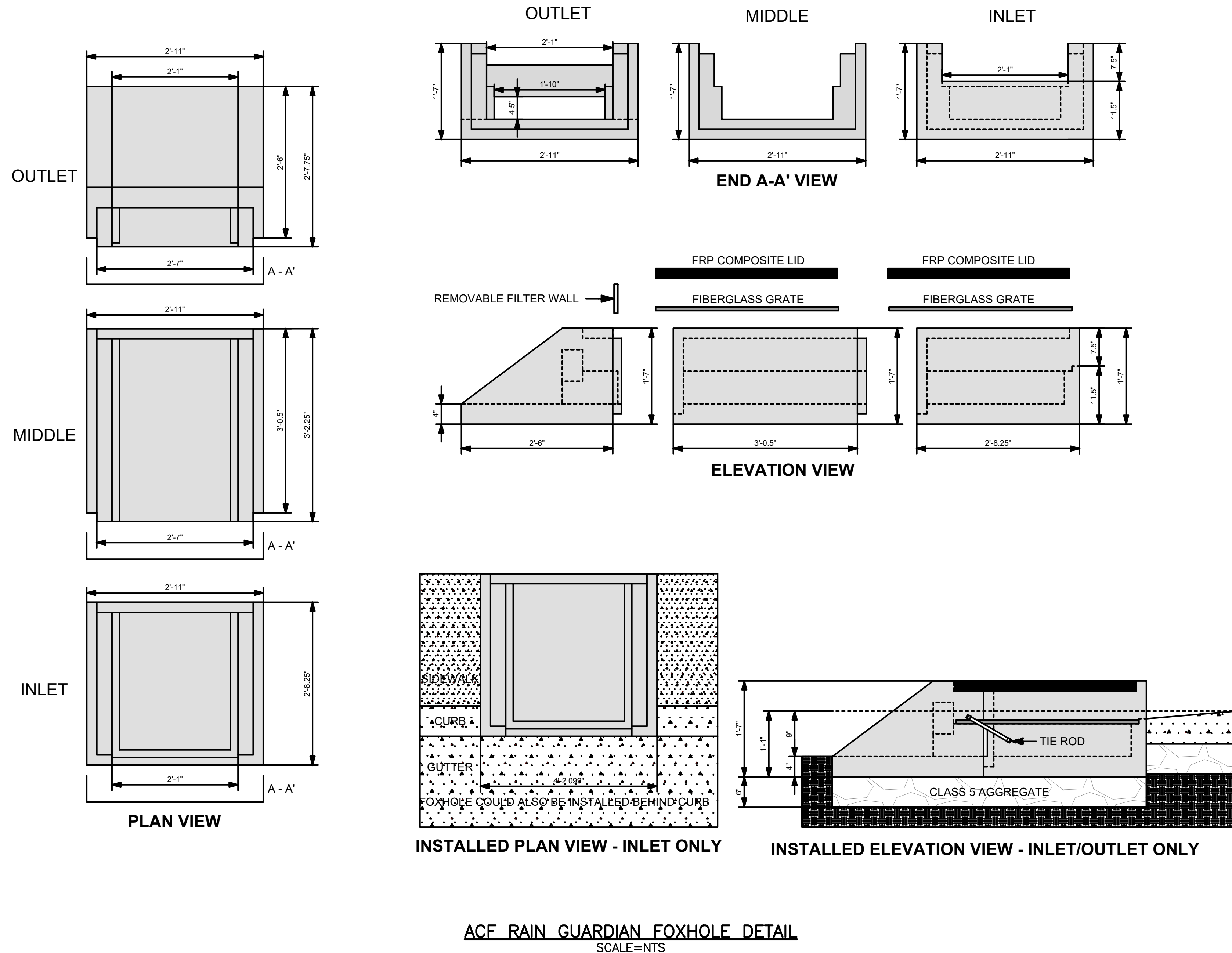
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SPECIFICATIONS

1. STEEL REINFORCED, COLD JOINT SECURED MONOLITHIC CONCRETE STRUCTURES (INLET 875 LBS, MIDDLE 965 LBS, AND OUTLET 730 LBS). CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS. CONCRETE AIR ENTRAINED (4% TO 8% BY VOLUME). MANUFACTURED AND DESIGNED TO ASTM C858.
2. 2-POINT PICK USING RECESSED LIFTING POCKETS WITH A STANDARD HOOK.
3. FIBERGLASS GRATE (11 LBS/PIECE).
4. FRP COMPOSITE LID (36 LBS/PIECE) WITH CONCENTRATED LOAD CAPACITY OF 3,400 LBS.

INSTALLATION NOTES

1. INSTALL A CLASS 5 BASE (COMPACTED TO 95% STANDARD PROCTOR). THE DISTANCE FROM THE BACK OF THE CURB MAY VARY BASED ON SITE CONDITIONS. EXCAVATE 1'7" BELOW THE GUTTERLINE ELEVATION (I.E. THE BIORETENTION OVERFLOW ELEVATION) TO ACCOMMODATE THE 9" PONDING DEPTH, 6" CLASS 5 AGGREGATE, AND 4" RAIN GUARDIAN FOXHOLE BASE (INCLUDED). THEREFORE, THE TOP OF THE CLASS 5 COMPACTED BASE IS PRECISELY 1'1" BELOW THE GUTTERLINE ELEVATION. THE TOP OF THE RAIN GUARDIAN FOXHOLE INLET POINT WILL BE 7-1/2" ABOVE THE TOP OF THE CONCRETE BASE AND 1-1/2" BELOW THE GUTTERLINE ELEVATION TO ACCOMMODATE A SLOPED INLET FROM THE GUTTER TO THE RAIN GUARDIAN FOXHOLE.
2. SET RAIN GUARDIAN FOXHOLE INLET FIRST, FOLLOWED BY MIDDLE SECTION(S), AND FINALLY THE OUTLET ON THE PREPARED CLASS 5 BASE. POSITION RAIN GUARDIAN FOXHOLE OUTLET PIECE SO PRIMARY OUTLET ALIGNS WITH TOE OF BASIN SIDE SLOPE TO AVOID SOIL INTERFERENCE WITH REMOVABLE FILTER WALL.
3. SECURE MODULAR FOXHOLE PIECES AT EACH JOINT USING PROVIDED GALVANIZED TIE RODS.
4. INSTALL EXPANSION/CONTRACTION JOINT MATERIAL OR A SHEET OF POLY TO SERVE AS A BOND BREAK BETWEEN RAIN GUARDIAN FOXHOLE AND CONCRETE INLET BEFORE POURING INLET.
5. REMOVABLE FILTER WALL SHOULD BE INSTALLED WITH FILTER FABRIC FACING THE RAIN GUARDIAN FOXHOLE INLET.



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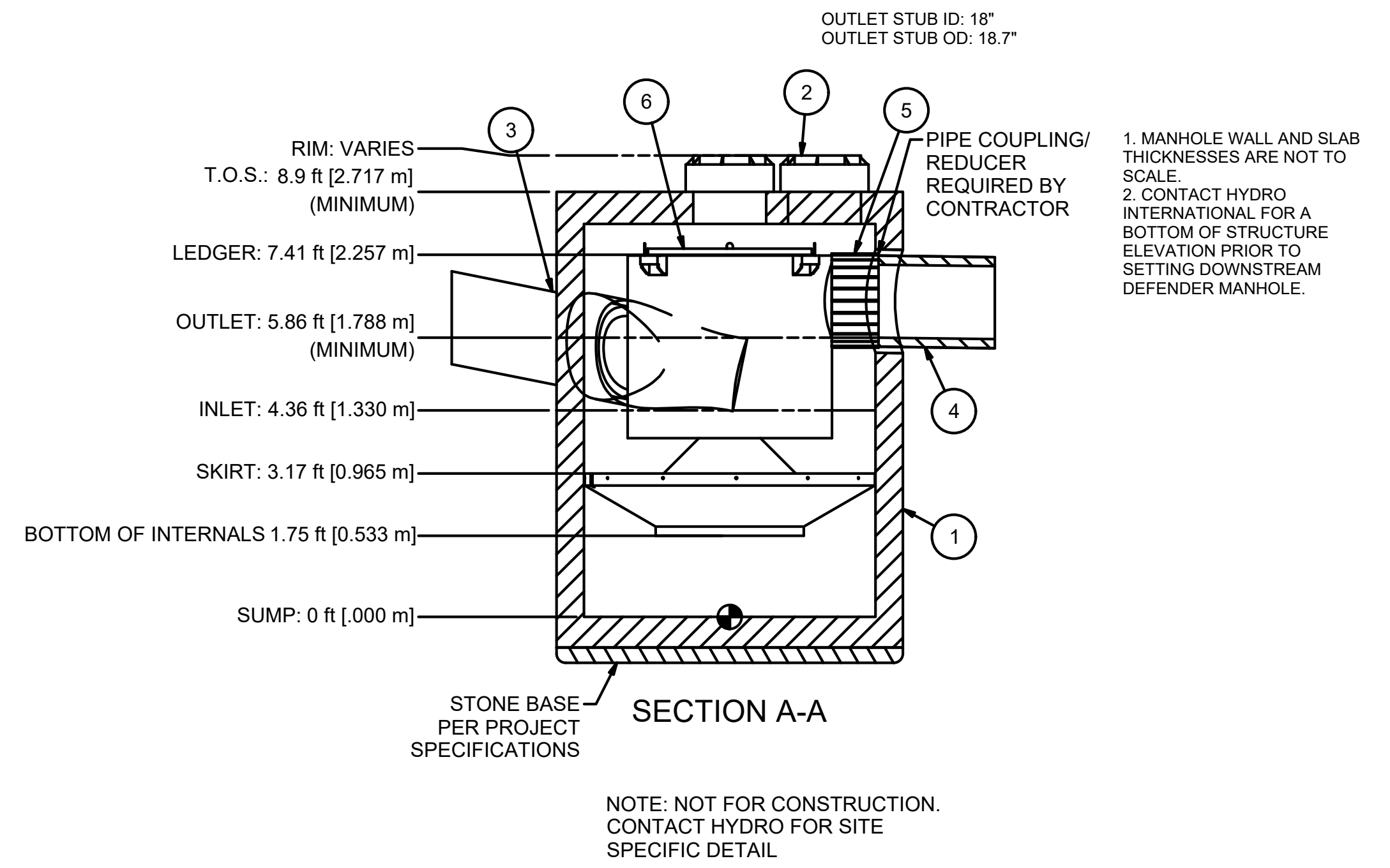
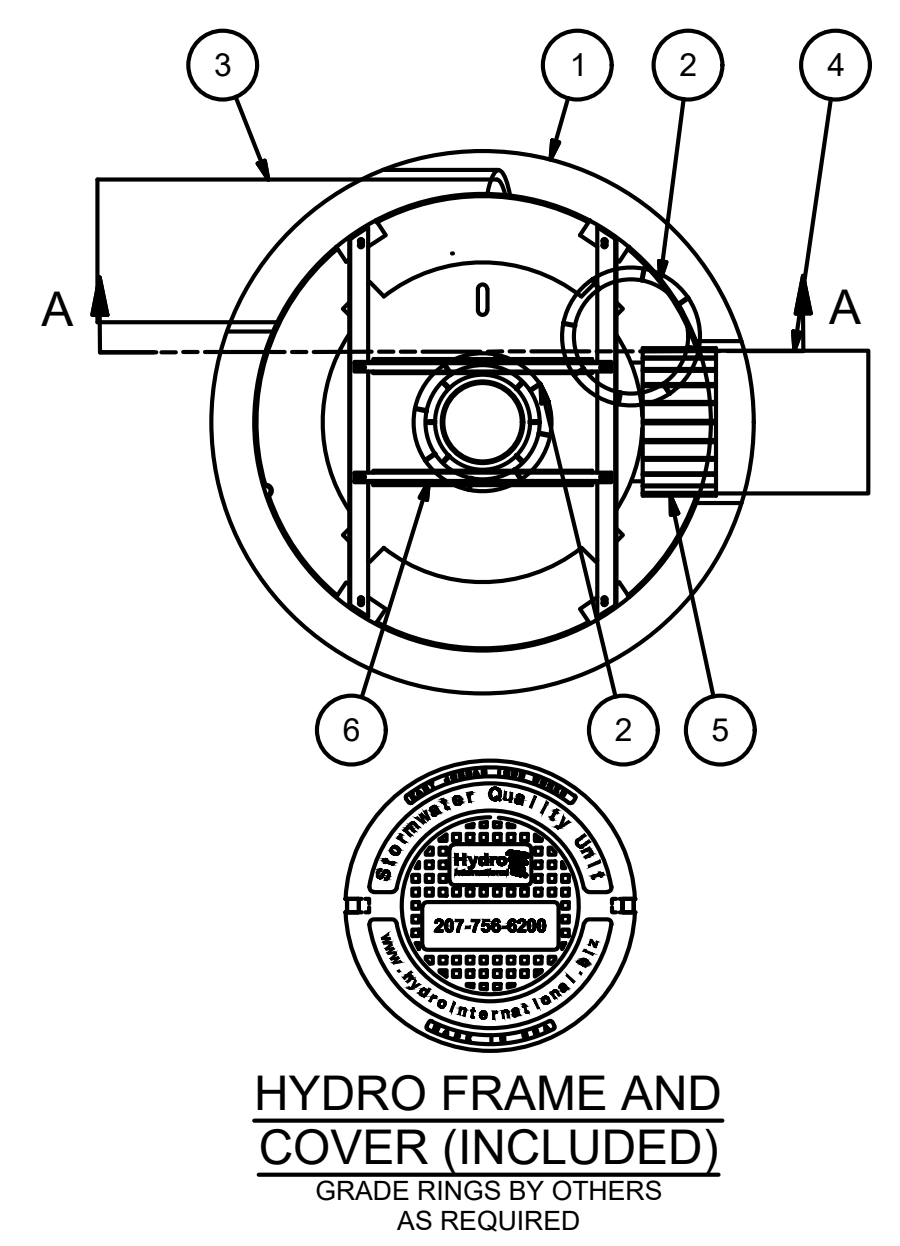
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7 OF 11

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PARTS LIST				
ITEM	QTY	SIZE (in)	SIZE (mm)	DESCRIPTION
1	1	72	1800	PRECAST MANHOLE (BY HYDRO VIA PRECASTER)
2	2	24	600	FRAME AND COVER
3	1	18 (MAX)	450 (MAX)	INLET PIPE (BY OTHERS)
4	1	18 (MAX)	450 (MAX)	OUTLET PIPE (BY OTHERS)
5	1			PIPE COUPLING (BY OTHERS)
6	1			INTERNAL COMPONENTS (PRE-INSTALLED)

EQUIPMENT PERFORMANCE

The stormwater treatment unit shall adhere to the hydraulic parameters given in the chart below and provide the removal efficiencies and storage capacities as follows:

1. The treatment system shall use an induced vortex to separate pollutants from stormwater runoff.
2. Peak Hydraulic Capacity: 8.0 cfs (227 l/s)
3. Sediment Storage Capacity: 2.10 cu. yd. (1.59 cu. m)
4. Continuous Oil Storage Capacity: 216 gal. (2044 liters)
5. Sediment shall be stored in a zone that is isolated from the main flow path and protected from reentrainment by a benching skirt.
6. For more product information including regulatory acceptances, please visit <https://hydro-int.com/en/products/downstream-defender>

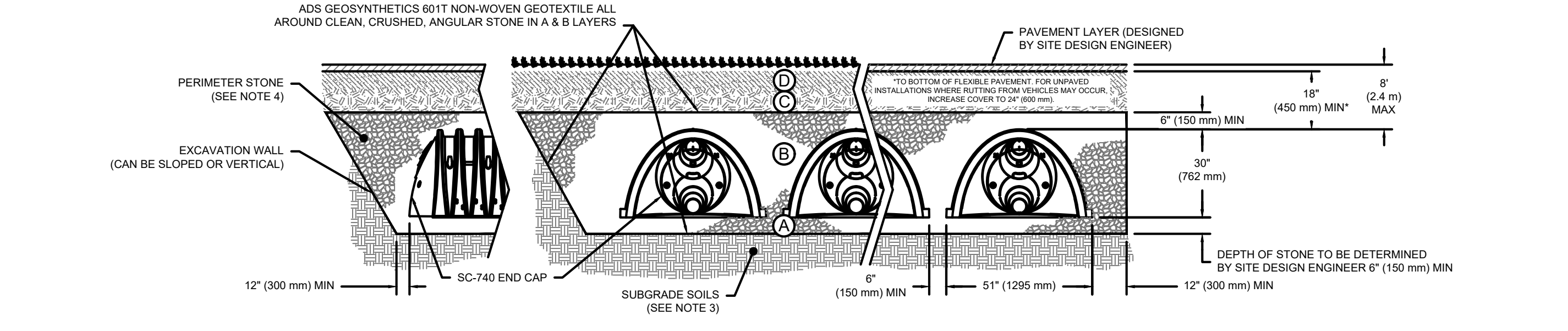
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SCALE=NTS

9/14/2022, L:\19227\Hancock St - CURRENT\19227 - Details-HS.dwg
Matthew Baker

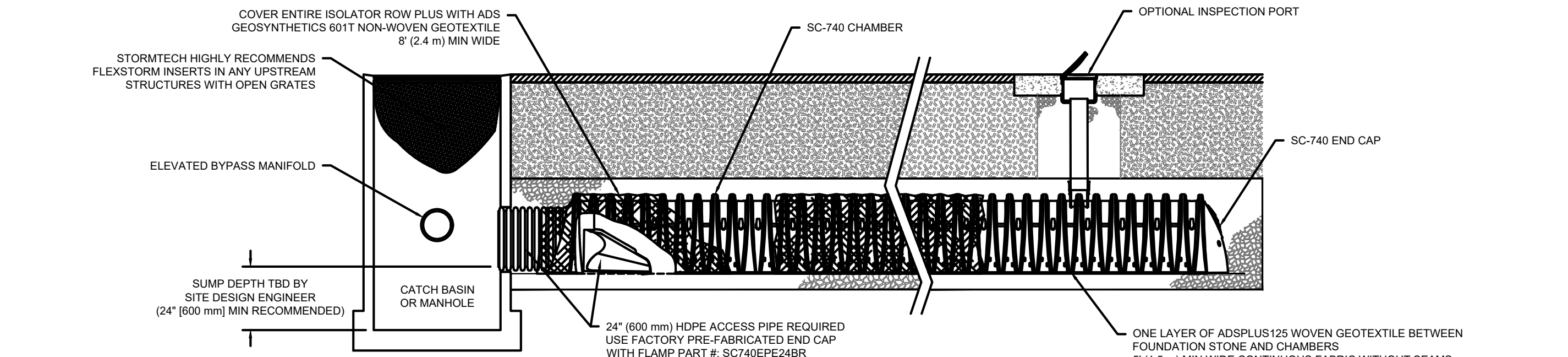
ACCEPTABLE FILL MATERIALS: STORMTECH SC-740 CHAMBER SYSTEMS

MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	FINAL FILL: FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
C	INITIAL FILL: FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 18" (450 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	AASHTO M145 ¹ A-1, A-2.4, A-3 OR AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 12" (300 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" (150 mm) MAX LIFTS TO A MIN. 90% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 lbs (53 kN). DYNAMIC FORCE NOT TO EXCEED 20,000 lbs (89 kN).
B	EMBEDMENT STONE: FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57	NO COMPACTION REQUIRED.
A	FOUNDATION STONE: FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE. ^{2,3}

PLEASE NOTE:
 1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".
 2. STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 6" (150 mm) (MAX) LIFTS USING TWO FULL COVERS WITH A VIBRATORY COMPACTOR.
 3. WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.
 4. ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.

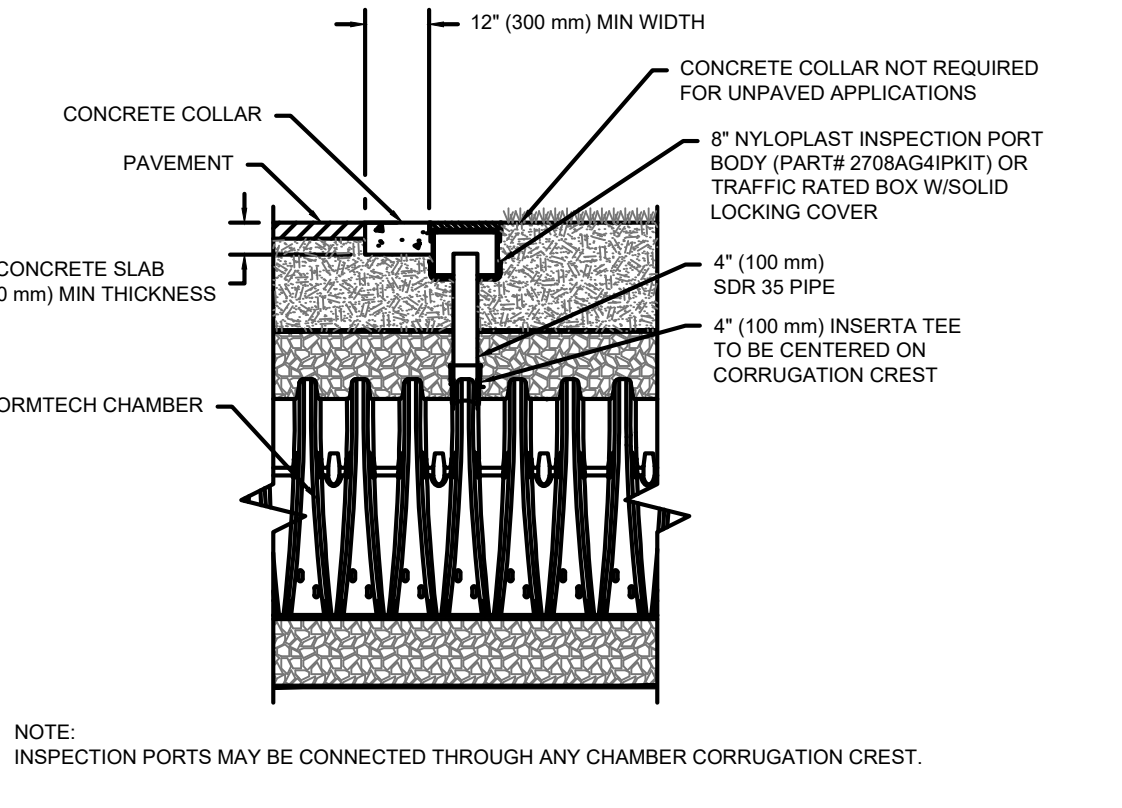


- NOTES:**
- CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418-16a, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
 - SC-740 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
 - THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.
 - PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
 - REQUIREMENTS FOR HANDLING AND INSTALLATION:
 - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
 - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 2".
 - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT AS DEFINED IN SECTION 6.2.8 OF ASTM F2418 SHALL BE GREATER THAN OR EQUAL TO 550 LBS/IN. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.

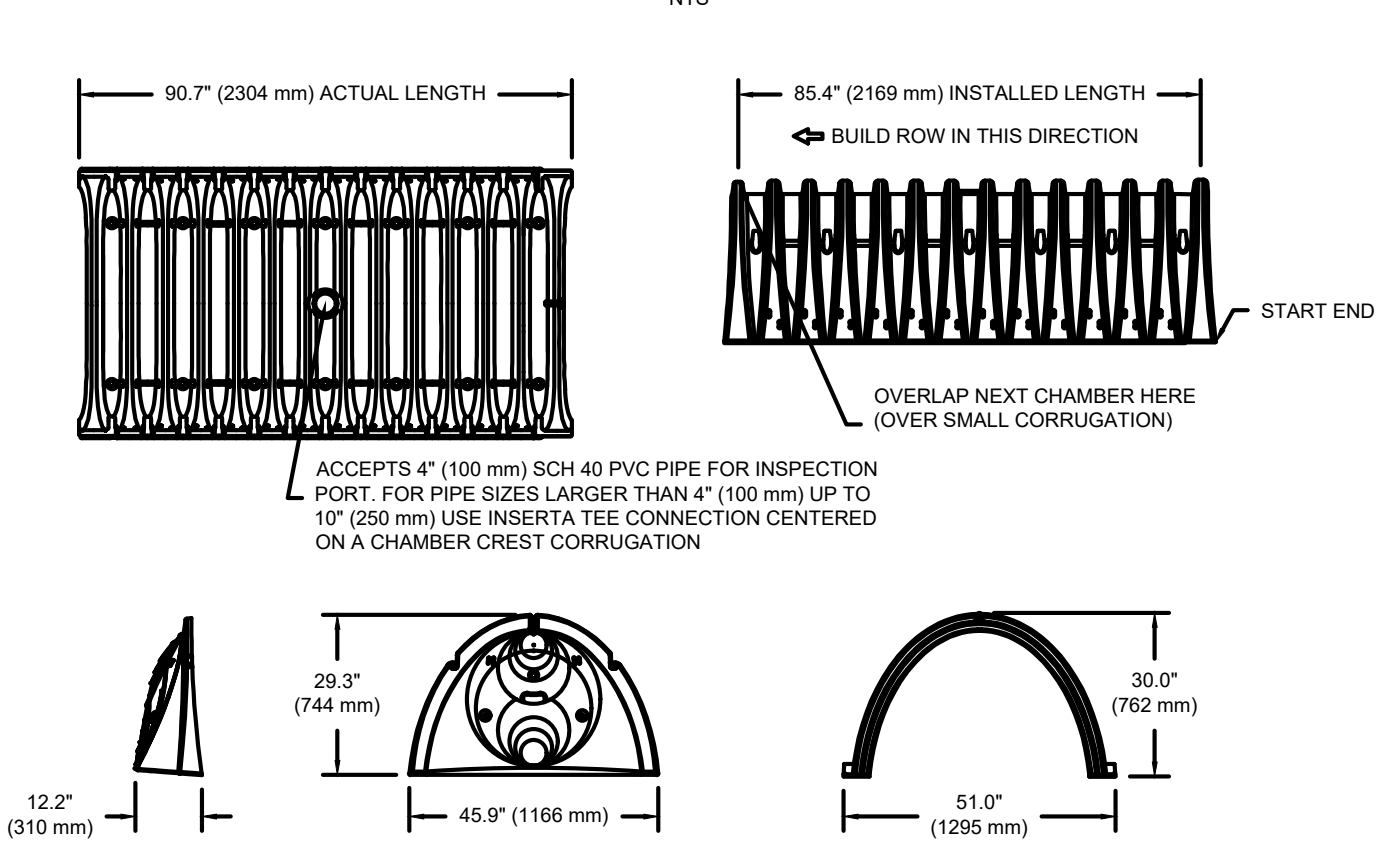


- INSPECTION & MAINTENANCE**
- STEP 1) INSPECT ISOLATOR ROW PLUS FOR SEDIMENT
- INSPECTION PORTS (IF PRESENT)
 - REMOVE/OPEN LID ON NYLOPLAST INLINE DRAIN
 - REMOVE AND CLEAN FLEXSTORM FILTER IF INSTALLED
 - USING A FLASHLIGHT AND STADIA ROD, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE LOG
 -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

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



SC-740 TECHNICAL SPECIFICATION



NOMINAL CHAMBER SPECIFICATIONS

SIZE (W X H X INSTALLED LENGTH)	51.0\"/>
CHAMBER STORAGE	45.9 CUBIC FEET (1.30 m ³)
MINIMUM INSTALLED STORAGE*	74.9 CUBIC FEET (2.12 m ³)
WEIGHT	75.0 lbs. (33.6 kg)

*ASSUMES 6\"/>

STUBS AT BOTTOM OF END CAP FOR PART NUMBERS ENDING WITH "B"
 STUBS AT TOP OF END CAP FOR PART NUMBERS ENDING WITH "T"

PART #	STUB	A	B	C
SC740EPE0E7 / SC740EPE0E7PC	6\"/>			
SC740EPE0E8 / SC740EPE0E8PC	8\"/>			
SC740EPE0E9 / SC740EPE0E9PC	10\"/>			
SC740EPE10 / SC740EPE10PC	12\"/>			
SC740EPE11 / SC740EPE11PC	14\"/>			
SC740EPE12 / SC740EPE12PC	16\"/>			
SC740EPE13 / SC740EPE13PC	18\"/>			
SC740EPE14 / SC740EPE14PC	20\"/>			
SC740EPE15 / SC740EPE15PC	22\"/>			
SC740EPE16 / SC740EPE16PC	24\"/>			

ALL STUBS, EXCEPT FOR THE SC740EPE24B ARE PLACED AT BOTTOM OF END CAP SUCH THAT THE OUTSIDE DIAMETER OF THE STUB IS FLUSH WITH THE BOTTOM OF THE END CAP. FOR ADDITIONAL INFORMATION CONTACT STORMTECH AT 1-888-892-2694.
 * FOR THE SC740EPE24B THE 24\"/>

NOTE: ALL DIMENSIONS ARE NOMINAL.

SC-740 STORMTECH CHAMBER SPECIFICATIONS

- CHAMBERS SHALL BE STORMTECH SC-740.
- CHAMBERS SHALL BE ARCH-SHAPED AND SHALL BE MANUFACTURED FROM VIRGIN, IMPACT-MODIFIED POLYPROPYLENE COPOLYMERS.
- CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418-16a, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- CHAMBER ROWS SHALL PROVIDE CONTINUOUS, UNOBSTRUCTED INTERNAL SPACE WITH NO INTERNAL SUPPORTS THAT WOULD IMPEDE FLOW OR LIMIT ACCESS FOR INSPECTION.
- THE STRUCTURAL DESIGN OF THE CHAMBERS, THE STRUCTURAL BACKFILL, AND THE INSTALLATION REQUIREMENTS SHALL ENSURE THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SECTION 12.12, ARE MET FOR: 1) LONG-DURATION DEAD LOADS AND 2) SHORT-DURATION LIVE LOADS, BASED ON THE AASHTO DESIGN TRUCK WITH CONSIDERATION FOR IMPACT AND MULTIPLE VEHICLE PRESENCES.
- CHAMBERS SHALL BE DESIGNED, TESTED AND ALLOWABLE LOAD CONFIGURATIONS DETERMINED IN ACCORDANCE WITH ASTM F2787, "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS". LOAD CONFIGURATIONS SHALL INCLUDE: 1) INSTANTANEOUS (1 MIN) AASHTO DESIGN TRUCK LIVE LOAD ON MINIMUM COVER 2) MAXIMUM PERMANENT (75-YR) COVER LOAD AND 3) ALLOWABLE COVER WITH PARKED (1-WEEK) AASHTO DESIGN TRUCK.
- REQUIREMENTS FOR HANDLING AND INSTALLATION:
 - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
 - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 2".
 - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT AS DEFINED IN SECTION 6.2.8 OF ASTM F2418 SHALL BE GREATER THAN OR EQUAL TO 550 LBS/IN. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.
- ONLY CHAMBERS THAT ARE APPROVED BY THE SITE DESIGN ENGINEER WILL BE ALLOWED. UPON REQUEST BY THE SITE DESIGN ENGINEER OR OWNER, THE CHAMBER MANUFACTURER SHALL SUBMIT A STRUCTURAL EVALUATION FOR APPROVAL BEFORE DELIVERING CHAMBERS TO THE PROJECT SITE AS FOLLOWS:
 - THE STRUCTURAL EVALUATION SHALL BE SEALED BY A REGISTERED PROFESSIONAL ENGINEER.
 - THE STRUCTURAL EVALUATION SHALL DEMONSTRATE THAT THE SAFETY FACTORS ARE GREATER THAN OR EQUAL TO 1.5 FOR DEAD LOAD AND 1.75 FOR LIVE LOAD, THE MINIMUM REQUIRED BY ASTM F2787 AND BY SECTIONS 3 AND 12.12 OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS FOR THERMOPLASTIC PIPE.
 - THE TEST DERIVED CREEP MODULUS AS SPECIFIED IN ASTM F2418 SHALL BE USED FOR PERMANENT DEAD LOAD DESIGN EXCEPT THAT IT SHALL BE THE 75-YEAR MODULUS USED FOR DESIGN.
- CHAMBERS AND END CAPS SHALL BE PRODUCED AT AN ISO 9001 CERTIFIED MANUFACTURING FACILITY.

IMPORTANT - NOTES FOR THE BIDDING AND INSTALLATION OF THE SC-740 SYSTEM

- STORMTECH SC-740 CHAMBERS SHALL NOT BE INSTALLED UNTIL THE MANUFACTURER'S REPRESENTATIVE HAS COMPLETED A PRE-CONSTRUCTION MEETING WITH THE INSTALLERS.
- STORMTECH SC-740 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
- CHAMBERS ARE NOT TO BE BACKFILLED WITH A DOZER OR AN EXCAVATOR SITUATED OVER THE CHAMBERS. STORMTECH RECOMMENDS 3 BACKFILL METHODS:
 - STONESHOOTER LOCATED OFF THE CHAMBER BED.
 - BACKFILL AS ROWS ARE BUILT USING AN EXCAVATOR ON THE FOUNDATION STONE OR SUBGRADE.
 - BACKFILL FROM OUTSIDE THE EXCAVATION USING A LONG BOOM HOE OR EXCAVATOR.
- THE FOUNDATION STONE SHALL BE LEVELLED AND COMPACTED PRIOR TO PLACING CHAMBERS.
- JOINTS BETWEEN CHAMBERS SHALL BE PROPERLY SEATED PRIOR TO LACING STONE.
- MAINTAIN MINIMUM 6\"/>
- THE CONTRACTOR MUST REPORT ANY DISCREPANCIES WITH CHAMBER FOUNDATION MATERIALS BEARING CAPACITIES TO THE SITE DESIGN ENGINEER.
- ADS RECOMMENDS THE USE OF "FLEXSTORM CATCH IT" INSERTS DURING CONSTRUCTION FOR ALL INLETS TO PROTECT THE SUBSURFACE STORMWATER MANAGEMENT SYSTEM FROM CONSTRUCTION SITE RUNOFF.

NOTES FOR CONSTRUCTION EQUIPMENT

- STORMTECH SC-740 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
 - THE USE OF CONSTRUCTION EQUIPMENT OVER SC-740 CHAMBERS IS LIMITED:
 - NO EQUIPMENT IS ALLOWED ON BARE CHAMBERS.
 - NO RUBBER Tired LOADERS, DUMP TRUCKS, OR EXCAVATORS ARE ALLOWED UNTIL PROPER FILL DEPTHS ARE REACHED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
 - WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT CAN BE FOUND IN THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
 - FULL 36\"/>
- USE OF A DOZER TO PUSH EMBEDMENT STONE BETWEEN THE ROWS OF CHAMBERS MAY CAUSE DAMAGE TO THE CHAMBERS AND IS NOT AN ACCEPTABLE BACKFILL METHOD. ANY CHAMBERS DAMAGED BY THE "DUMP AND PUSH" METHOD ARE NOT COVERED UNDER THE STORMTECH STANDARD WARRANTY.
- CONTACT STORMTECH AT 1-888-892-2694 WITH ANY QUESTIONS ON INSTALLATION REQUIREMENTS OR WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT.

HOWARD STEIN HUDSON
 114 Turnpike Road, Suite 2C
 Chelmsford, MA 01824
 www.hshassoc.com

PREPARED FOR:
 SHELDON MEADOW, LLC
 480 TURNPIKE ST
 SOUTH EASTON, MA 02375

SHELDON MEADOW
 20 HANCOCK STREET
 WRENTHAM, MA 02093
 NORFOLK COUNTY

REVISIONS:

NO	BY	DATE	DESCRIPTION
1	KL	9/13/22	PEER REVIEW



SITE PLAN

DETAIL SHEET
 8 OF 11

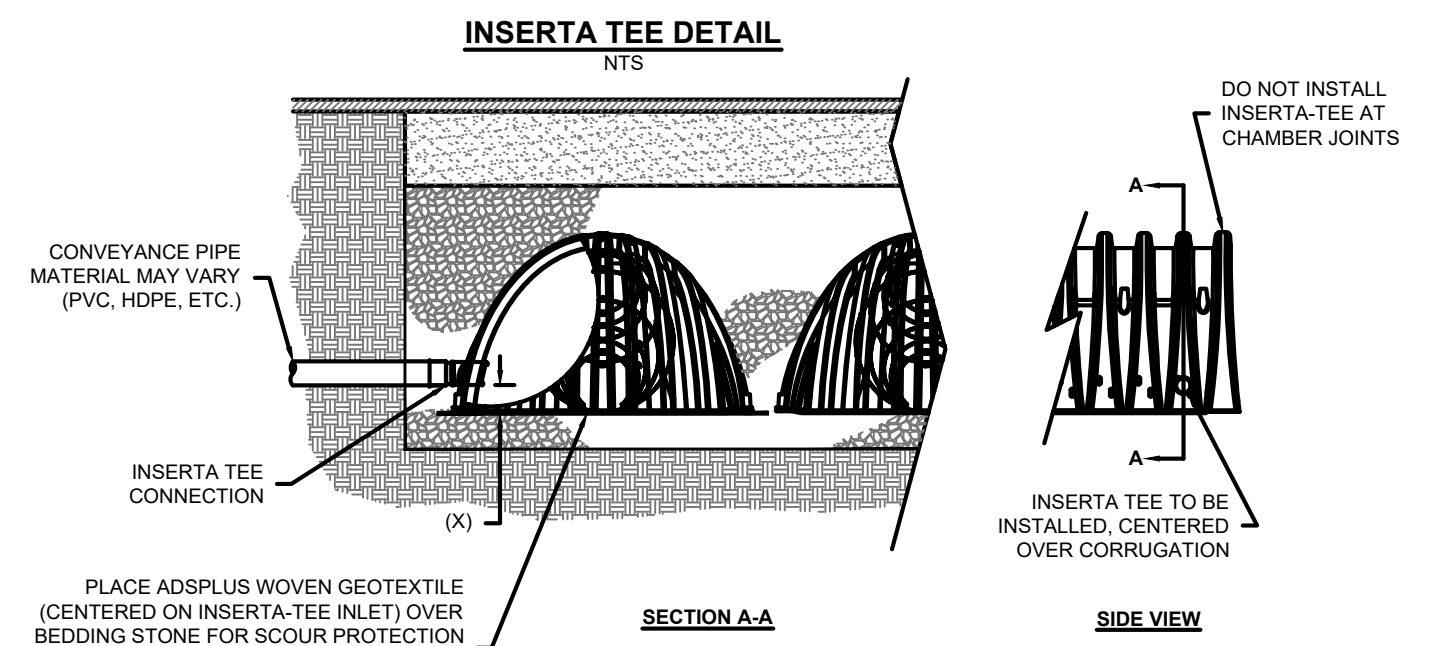
DATE:	APRIL 11, 2022
PROJECT NUMBER:	19227.01
DESIGNED BY:	KL/MB
DRAWN BY:	KL/MB/NC
CHECKED BY:	KE
	C10.8

TOWN OF WRENTHAM - PLANNING BOARD

SIGNATURE _____ DATE _____

CHAMBER	MAX DIAMETER OF INSERTA TEE	HEIGHT FROM BASE OF CHAMBER (X)
SC-310	6\"/>	
SC-740	10\"/>	
DC-780	10\"/>	
MC-3500	12\"/>	
MC-4500	12\"/>	

NOTE: INSERTA TEE FITTINGS AVAILABLE FOR SDR 26, SDR 35, SCH 40 IPS GASKETED & SOLVENT WELD, N-12, HP STORM, C-900 OR DUCTILE IRON.





HOWARD STEIN HUDSON

114 Turnpike Road, Suite 2C
Chelmsford, MA 01824
www.hshassoc.com

PREPARED FOR:

SHELDON MEADOW, LLC
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20 HANCOCK STREET
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1	KL	9/13/22	PEER REVIEW



SITE PLAN

DETAIL SHEET
9 OF 11

DATE: APRIL 11, 2022

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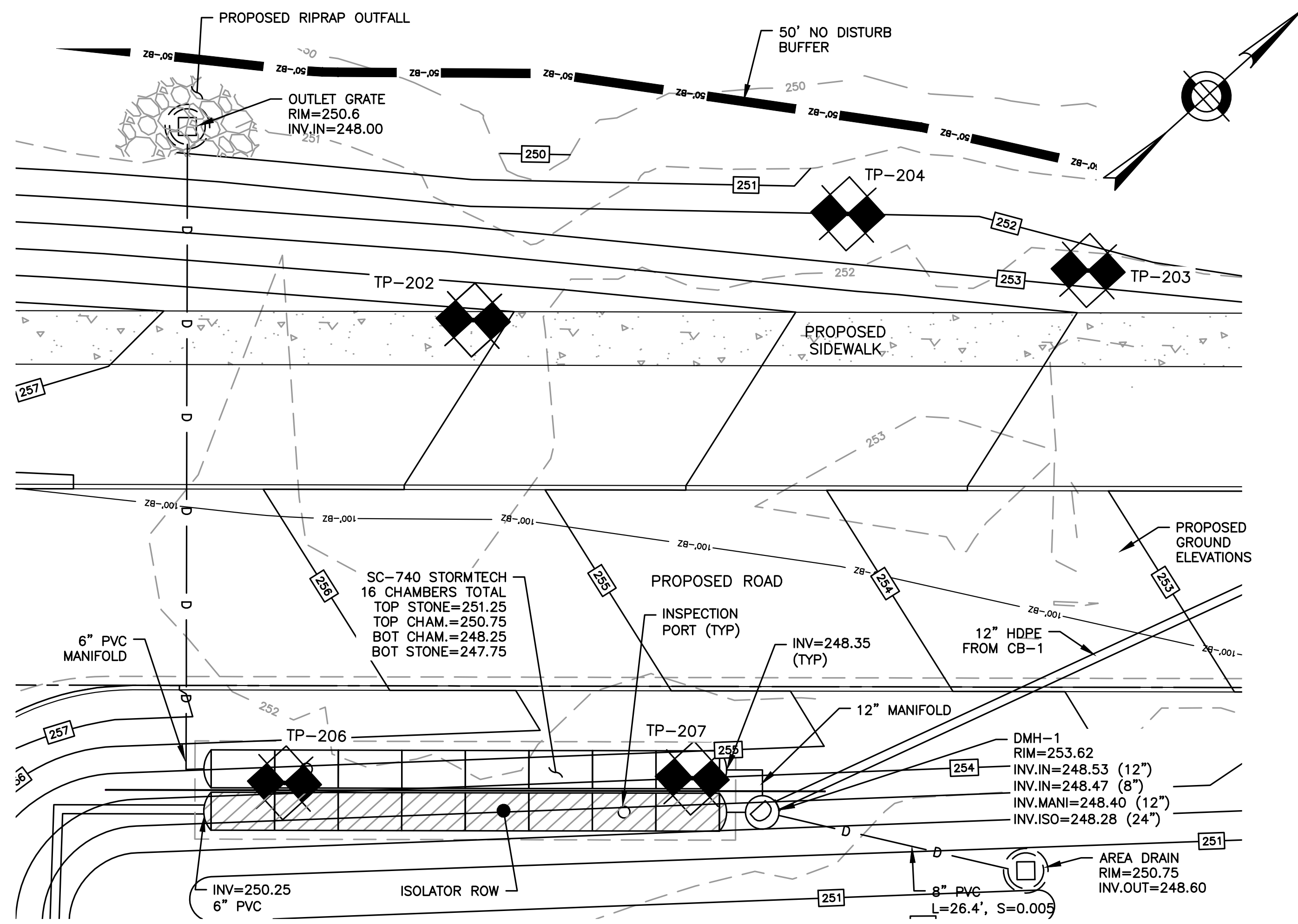
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DRAWN BY: KL/MB/NC

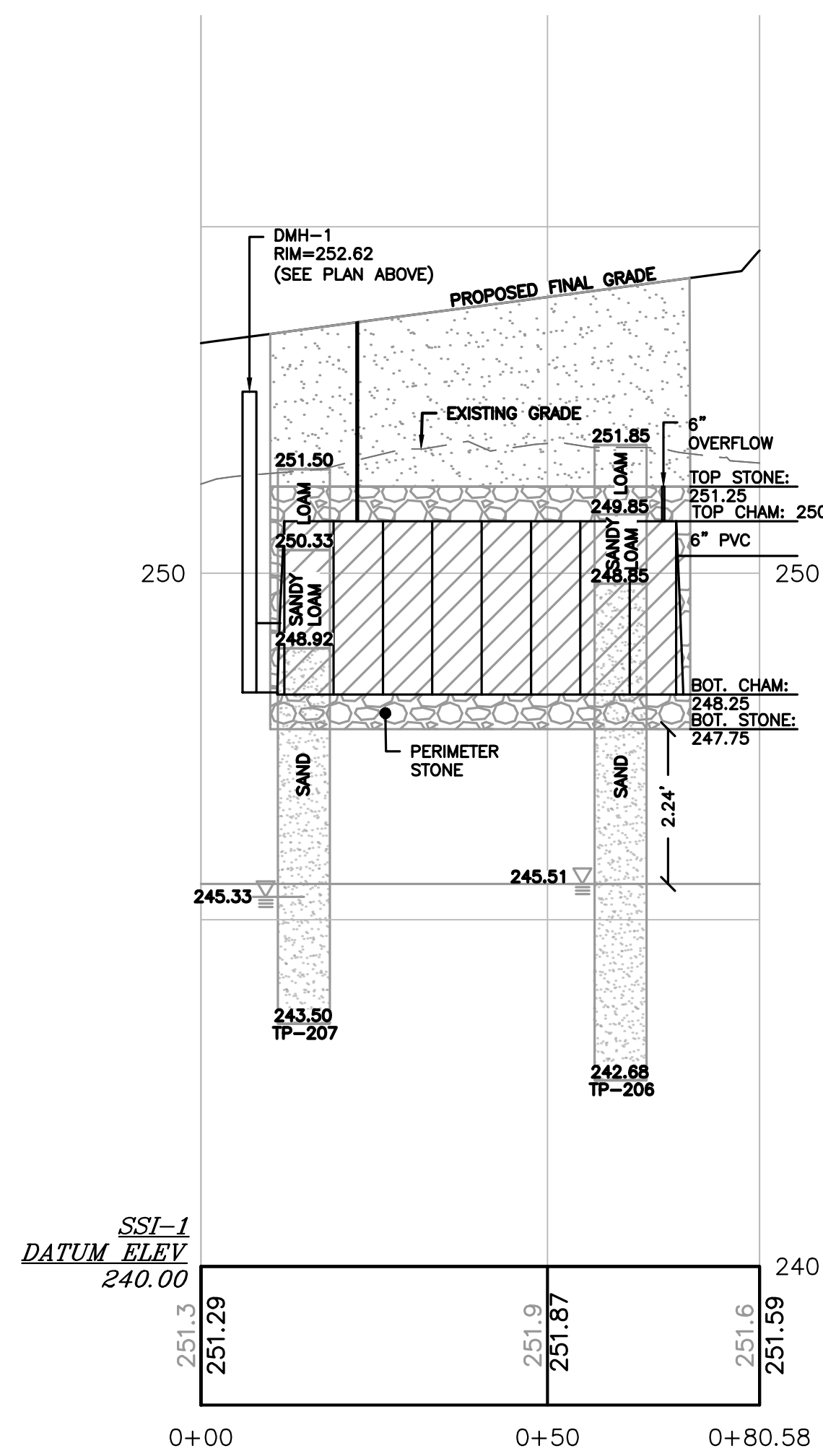
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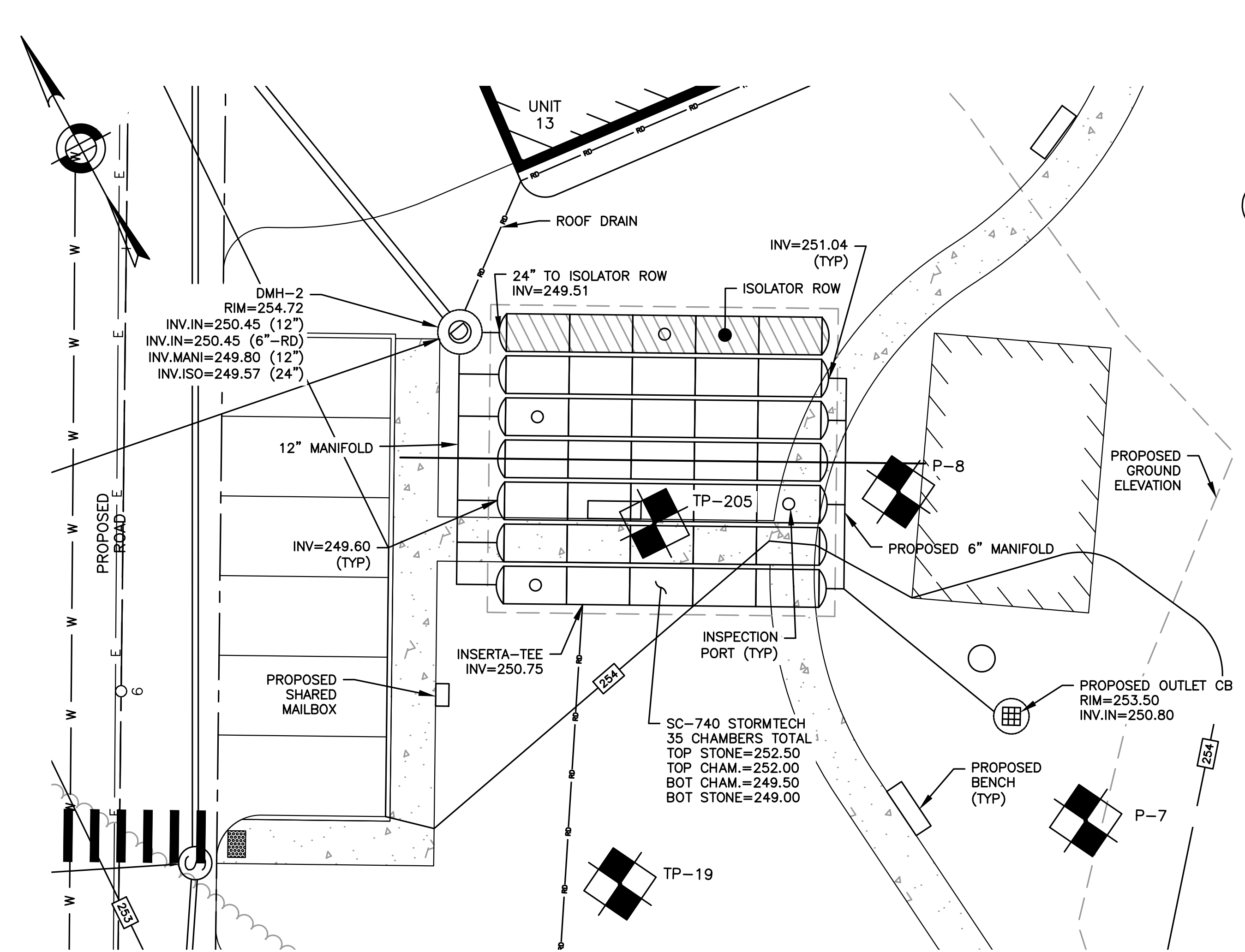
SHEET 34 OF 36



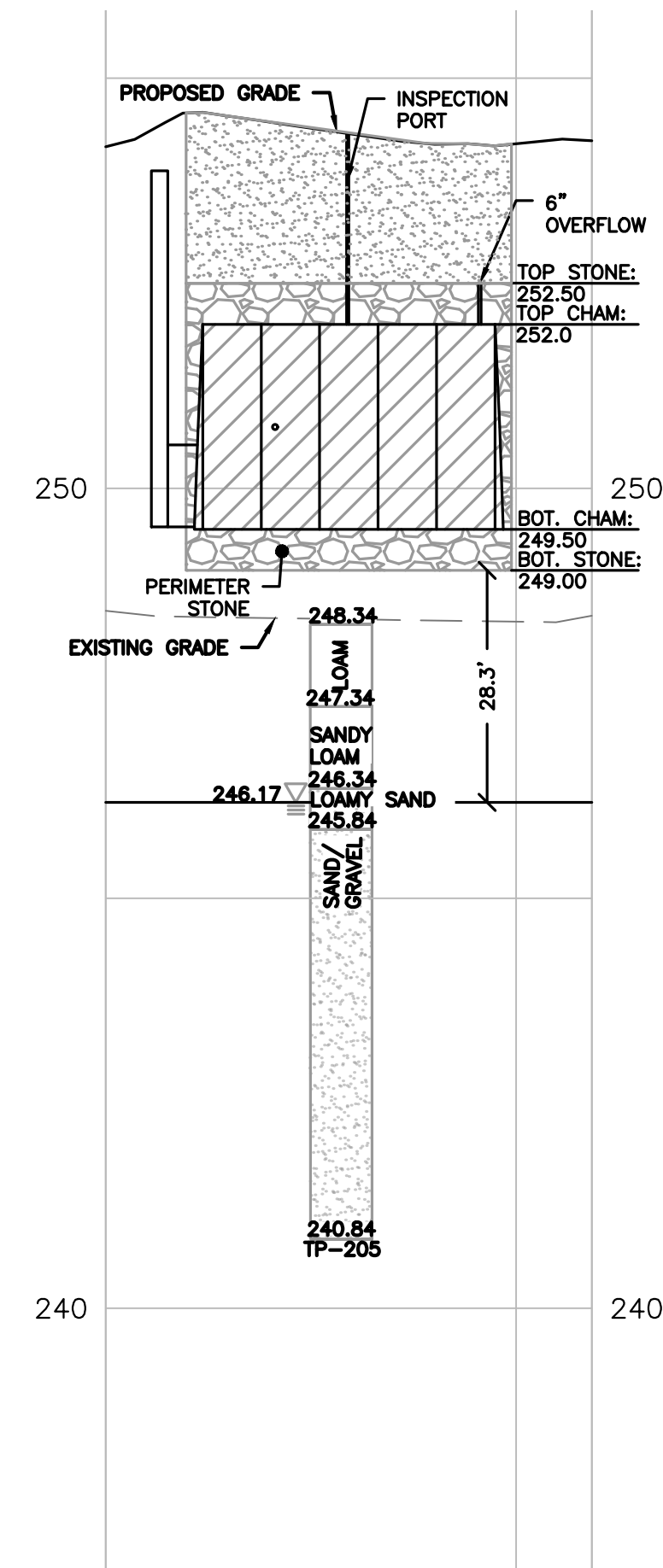
STORMTECH INFILTRATION SYSTEM #1
SCALE = 1"=10'



STORMTECH INFILTRATION SYSTEM CROSS-SECTION #1
HORIZONTAL SCALE: 1"=20'
VERTICAL SCALE: 1"=2'



STORMTECH INFILTRATION SYSTEM #2
SCALE = 1"=10'



STORMTECH INFILTRATION SYSTEM CROSS-SECTION #2
HORIZONTAL SCALE: 1"=20'
VERTICAL SCALE: 1"=2'

TOWN OF WRENTHAM - PLANNING BOARD	
SIGNATURE	DATE

Table with columns for SIGNATURE and DATE.



PREPARED FOR: SHELDON MEADOW, LLC 480 TURNPIKE ST SOUTH EASTON, MA 02375

SHELDON MEADOW 20 HANCOCK STREET WRENTHAM, MA 02093 NORFOLK COUNTY

Table with columns: NO, BY, DATE, DESCRIPTION. Row 1: 1, KL, 9/13/22, PEER REVIEW.



SITE PLAN

DETAIL SHEET 11 OF 11

Table with columns: DATE, PROJECT NUMBER, DESIGNED BY, DRAWN BY, CHECKED BY. Values: APRIL 11, 2022; 19227.01; KL/MB; KL/MB/NC; KE.

DEEP HOLE TESTING APRIL 22, 23, AND 24 2020 SOIL EVALUATOR: KASEY FERREIRA PERCS WITNESSED BY: WADE SAUCIER

P-1 EL.=249.91 0"-13" Ap LO 10YR 3/2 13"-24" Bw SL 10YR 4/6 24"-96" C1 S 10YR 4/3 MOTTLES 30", WEeping 23", STANDING 53" ESHW: 30" @ EL. 247.41

P-2 EL.=249.82 0"-11" Ap LO 10YR 3/3 11"-30" Bw SL 10YR 5/4 30"-99" C1 S 10YR 4/4 MOTTLES 26", WEeping 35", STANDING 70" ESHW: 26" @ EL. 247.65

P-3 EL.=249.94 0"-12" Ap LO 10YR 2/2 12"-22" Bw SL 10YR 5/6 22"-96" C1 S 10YR 4/4 MOTTLES 28", WEeping 34", STANDING 70" ESHW: 28" @ EL. 247.61

P-4 EL.=249.33 0"-10" Ap LO 10YR 3/1 10"-22" Bw SL 10YR 4/6 22"-100" C1 S 10YR 5/4 MOTTLES 32", WEeping 35", STANDING 82" ESHW: 48" @ EL. 245.30

P-5 EL.=249.93 0"-13" Ap LO 10YR 2/2 13"-30" Bw SL 10YR 5/6 30"-98" C1 LS 10YR 4/4 MOTTLES 35", WEeping 35", STANDING 56" ESHW: 35" @ EL. 247.01

P-6 EL.=249.12 0"-8" Ap LO 10YR 2/2 8"-22" Bw SL 10YR 5/8 22"-96" C1 LS 10YR 4/3 MOTTLES 22", WEeping 55", STANDING 69" ESHW: 22" @ EL. 247.29

P-7 EL.=248.96 0"-11" Ap LO 10YR 2/2 11"-23" Bw SL 10YR 6/8 23"-39" C1 GLEY SL G1 7/10Y 39"-108" C2 S 10YR 4/4 MOTTLES 27", WEeping 69", STANDING 71" ESHW: 27" @ EL. 246.71

P-8 EL.=248.40 0"-11" Ap LO 10YR 2/1 11"-31" Bw SL 7.5YR 7/6 31"-53" C1 GLEY SL G1 7/10Y 53"-105" C2 S 10YR 5/4 MOTTLES 23", WEeping 45", STANDING 77" ESHW: 23" @ EL. 246.48

P-9 EL.=249.65 0"-12" Ap LO 10YR 3/2 12"-25" Bw SL 7.5YR 4/4 25"-108" C1 S 10YR 4/3 MOTTLES 32", WEeping 35", STANDING 82" PERC SHELF 30"; PRESOAK: 2:18-2:33 12" @ 2:33, 9" @ 2:40, 6" @ 2:51 RATE = 3.67 MIN/INCH ESHW: 32" @ EL. 246.98

P-10 EL.=250.27 0"-12" Ap LO 10YR 3/2 12"-38" Bw SL 2.5Y 6/4 38"-100" C1 S 10YR 5/4 MOTTLES 38", WEeping 62" PERC SHELF 40" ESHW: 38" @ EL. 247.10

P-11 EL.=250.26 0"-33" FILL 33"-96" C1 LS 10YR 4/4 MOTTLES 33", WEeping 63" PERC SHELF 30"; PRESOAK: 10:49-11:04 12" @ 11:04, 9" @ 11:11, 6" @ 11:24 RATE = 4.33 MIN/INCH ESHW: 33" @ EL. 247.51

P-12 EL.=250.45 0"-11" Ap LO 10YR 3/2 11"-22" Bw SL 2.5YR 6/4 22"-109" C1 LS 10YR 5/3 MOTTLES 47", STANDING 89" PERC SHELF 27"; PRESOAK: 12:13-12:28 12" @ 12:28, 9" @ 12:32, 6" @ 12:36 RATE = 1.33 MIN/INCH ESHW: 47" @ EL. 246.53

TP-1 EL.=249.38 0"-10" Ap LO 10YR 3/2 10"-24" Bw1 SL 7.5YR 5/8 24"-44" Bw2 SL 5Y 6/1 44"-96" C1 FS 10YR 5/2 MOTTLES 29", WEeping 26", STANDING 71" ESHW: 26" @ EL. 247.21

TP-2 EL.=248.73 0"-11" Ap LO 10YR 2/2 11"-22" Bw1 SL 10YR 5/6 22"-40" Bw2 SL 5Y 5/2 40"-93" C1 S 10YR 5/4 MOTTLES 20", WEeping 31", STANDING 80" ESHW: 20" @ EL. 247.06

TP-3 EL.=248.36 0"-10" Ap LO 10YR 3/2 10"-19" Bw SL 10YR 5/8 19"-42" C1 LS 7.5YR 5/8 42"-95" C2 S 10YR 5/2 WEeping 22", STANDING 75" ESHW: 22" @ EL. 246.53

TP-4 EL.=247.88 0"-10" Ap LO 10YR 2/2 10"-20" Bw SL 10YR 6/4 20"-30" C1 LS 7.5YR 4/6 30"-100" C2 S 10YR 5/3 MOTTLES 20", WEeping 21", STANDING 65" ESHW: 20" @ EL. 246.21

TP-5 EL.=248.74 0"-27" Ap LO 10YR 2/2 27"-34" Bw SL G1 7/10YR 34"-94" C1 S 10YR 4/6 WEeping 27", STANDING 44" ESHW: 27" @ EL. 246.49

TP-6 EL.=249.31 0"-10" Ap LO 10YR 2/2 10"-20" Bw SL 10YR 5/6 20"-96" C1 S 10YR 4/4 MOTTLES 27", WEeping 30", STANDING 65" ESHW: 27" @ EL. 247.06

TP-7 EL.=250.05 0"-10" Ap LO 10YR 3/2 10"-19" Bw SL 10YR 5/6 19"-101" C1 S 10YR 4/4 MOTTLES 27", WEeping 42", STANDING 74" GRAVEL 48" ESHW: 27" @ EL. 247.80

TP-8 EL.=249.15 0"-9" Ap LO 10YR 3/2 9"-19" Bw SL 10YR 5/8 19"-98" C1 S 10YR 4/4 MOTTLES 36", WEeping 44", STANDING 88" ESHW: 36" @ EL. 246.15

TP-9 EL.=249.32 0"-11" Ap LO 10YR 3/2 11"-22" Bw SL 10YR 5/6 22"-98" C1 S 10YR 4/6 MOTTLES 30", WEeping 26", STANDING 64" ESHW: 30" @ EL. 246.82

TP-10 EL.=249.51 0"-15" Ap LO 10YR 2/2 15"-22" Bw SL 10YR 5/8 22"-98" C1 S 10YR 4/4 MOTTLES 31", WEeping 33", STANDING 84" ESHW: 31" @ EL. 246.93

TP-11 EL.=248.25 0"-12" Ap LO 10YR 3/2 12"-17" Bw SL 10YR 5/6 17"-105" C1 S 10YR 4/2 MOTTLES 27", WEeping 35", STANDING 74" ESHW: 27" @ EL. 246.00

TP-12 EL.=248.84 0"-12" Ap LO 10YR 2/2 12"-19" Bw SL 10YR 5/6 19"-101" C1 S 10YR 4/4 MOTTLES 27", WEeping 44", STANDING 75" ESHW: 27" @ EL. 246.59

TP-13 EL.=248.07 0"-10" Ap LO 10YR 2/2 10"-15" Bw SL 10YR 5/4 15"-40" C1 LS 10YR 4/4 40"-98" C2 S 10YR 4/4 MOTTLES 21", WEeping 26", STANDING 81" ESHW: 21" @ EL. 246.32

TP-14 EL.=248.05 0"-16" Ap LO 10YR 2/2 16"-51" C1 MS 10YR 4/6 51"-80" C2 GS 7.5YR 4/6 80"-96" C3 FS 10YR 5/4 WEeping 13", STANDING 84" ESHW: 13" @ EL. 246.96

TP-15 EL.=248.49 0"-12" Ap LO 10YR 3/2 12"-26" Bw LS 10YR 5/6 26"-108" C1 S 10YR 5/3 MOTTLES 27", WEeping 55", STANDING 61" ESHW: 27" @ EL. 246.24

TP-16 EL.=248.36 0"-11" Ap LO 10YR 3/2 11"-22" Bw SL 10YR 5/6 22"-110" C1 S 10YR 4/3 MOTTLES 27", WEeping 55", STANDING 62" ESHW: 27" @ EL. 246.11

TP-17 EL.=246.71 0"-30" Ap LO 10YR 2/1 30"-42" Bw SL 10YR 3/6 42"-113" C1 S 10YR 4/6 MOTTLES 36", WEeping 62", STANDING 72" ESHW: 36" @ EL. 243.71

TP-18 EL.=246.49 0"-22" Ap LO 10YR 2/2 22"-38" Bw LS 10YR 3/6 38"-108" C1 S 2.5YR 5/4 MOTTLES 38", WEeping 64", STANDING 70" ESHW: 38" @ EL. 243.32

TP-19 EL.=248.05 0"-12" Ap LO 10YR 3/2 12"-24" Bw SL 10YR 5/8 24"-35" C1 GLEY SL G1 7/10YR 35"-108" C2 S 10YR 4/4 MOTTLES 36", WEeping 53", STANDING 74" ESHW: 36" @ EL. 245.05

TP-20 EL.=249.49 0"-14" Ap LO 10YR 3/2 14"-30" Bw LS 10YR 4/4 30"-102" C1 S 10YR 4/2 MOTTLES 40", WEeping 67", STANDING 72" ESHW: 40" @ EL. 246.16

TP-21 EL.=249.11 0"-11" Ap LO 10YR 2/2 11"-22" Bw LS 10YR 5/6 22"-103" C1 S 10YR 4/3 MOTTLES 26", WEeping 38", STANDING 84" ESHW: 26" @ EL. 246.94

TP-22 EL.=250.21 0"-11" Ap LO 10YR 3/2 11"-27" Bw LS 10YR 5/6 27"-104" C1 S 10YR 4/2 MOTTLES 33", WEeping 50", STANDING 76" ESHW: 33" @ EL. 247.46

TP-23 EL.=250.17 0"-16" Ap LO 10YR 2/2 16"-20" Bw SL 10YR 5/6 20"-96" C1 LS 10YR 5/3 MOTTLES 47", WEeping 72", STANDING 81" ESHW: 47" @ EL. 246.25

TP-24 EL.=250.36 0"-9" Ap LO 10YR 3/2 9"-17" Bw SL 10YR 5/6 17"-96" C1 S 10YR 5/4 MOTTLES 37", WEeping 53", STANDING 76" ESHW: 37" @ EL. 247.28

DEEP HOLE TESTING MARCH 31, 2022 SOIL EVALUATOR: KASEY FERREIRA TP-101 EL.=249.00 0"-11" Ap LO 10YR 3/2 11"-20" Bw SL 10YR 5/6 20"-33" C1 LS 10YR 5/4 33"-98" C2 S/GRAVEL 10YR 4/3 MOTTLES 21", WEeping 51" ESHW: 21" @ EL. 247.25

TP-102 EL.=248.10 0"-15" Ap LO 10YR 3/2 15"-32" C1 LS 10YR 5/4 32"-96" C2 S/GRAVEL 10YR 4/3 WEeping 16" ESHW: 16" @ EL. 246.77

TP-103 EL.=249.25 0"-14" Ap LO 10YR 3/2 14"-25" Bw SL 10YR 5/6 25"-37" C1 LS 10YR 5/4 37"-112" C2 S/GRAVEL 10YR 4/3 MOTTLES 24", WEeping 71" ESHW: 24" @ EL. 247.25

TP-104 EL.=248.60 0"-11" Ap LO 10YR 3/2 11"-35" Bw SL 10YR 5/6 35"-85" C S/GRAVEL 10YR 4/3 WEeping 34" ESHW: 34" @ EL. 245.77

TP-105 EL.=250.10 0"-12" Ap LO 10YR 3/2 12"-23" Bw SL 10YR 5/6 23"-30" C1 S 10YR 5/4 30"-84" C2 S/GRAVEL 10YR 4/3 MOTTLES 24", WEeping 34" ESHW: 34" @ EL. 247.27

TP-200 EL.=246.59 0"-13" Ap LO 10YR 3/2 13"-22" Bw LS 10YR 5/6 22"-108" C S 10YR 5/4 MOTTLES 20" ESHW: 20" @ EL. 244.92

TP-201 EL.=246.66 0"-16" Ap LO 10YR 3/2 16"-24" Bw SL 10YR 5/6 24"-100" C S 10YR 5/4 MOTTLES 25" ESHW: 25" @ EL. 244.57

TP-203 EL.=252.18 0"-20" Ap LO 10YR 3/2 20"-26" Bw SL 10YR 5/6 26"-96" C S 10YR 5/4 MOTTLES 44", WEeping 80" ESHW: 44" @ EL. 248.51

TP-204 EL.=251.50 0"-24" Ap LO 10YR 3/2 24"-38" Bw SL 10YR 5/6 38"-108" C S 10YR 5/4 MOTTLES 47" ESHW: 47" @ EL. 247.58

TP-205 EL.=248.34 0"-12" Ap LO 10YR 3/2 12"-24" Bw SL 10YR 5/6 24"-30" C1 LS 10YR 5/4 30"-90" C2 S/GRAVEL 10YR 4/3 MOTTLES 26", WEeping 55" ESHW: 26" @ EL. 246.17

TP-206 EL.=251.85 0"-12" Ap LO 10YR 3/2 12"-24" Bw SL 10YR 5/6 24"-110" C S 10YR 5/4 MOTTLES 76" ESHW: 76" @ EL. 245.51

TP-207 EL.=251.50 0"-14" Ap LO 10YR 3/2 14"-31" Bw SL 10YR 5/6 31"-96" C S 10YR 5/4 MOTTLES 74" ESHW: 74" @ EL. 245.33

SOIL TESTING RESULTS SEE GRADING AND DRAINAGE SHEETS FOR LOCATIONS

9/14/2022, L:\19227\Hancock St - CURRENT\19227 - Details\HS.dwg Matthew Baker