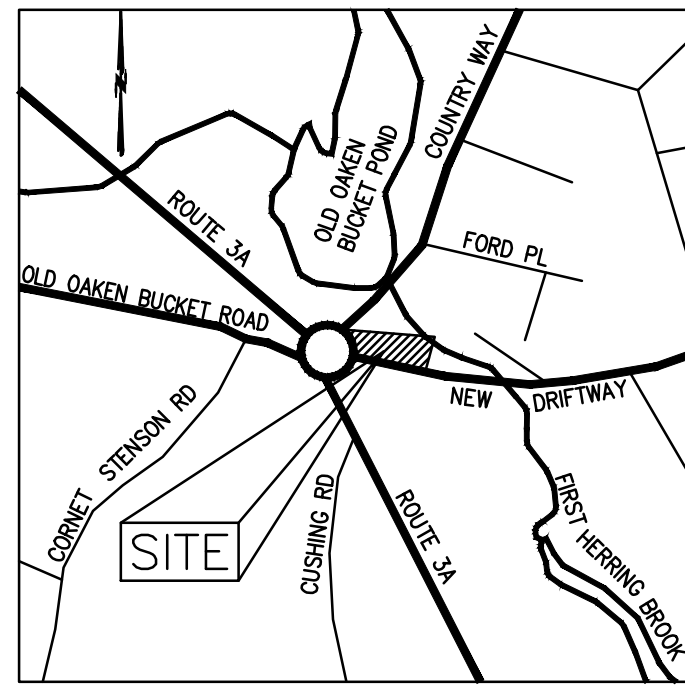


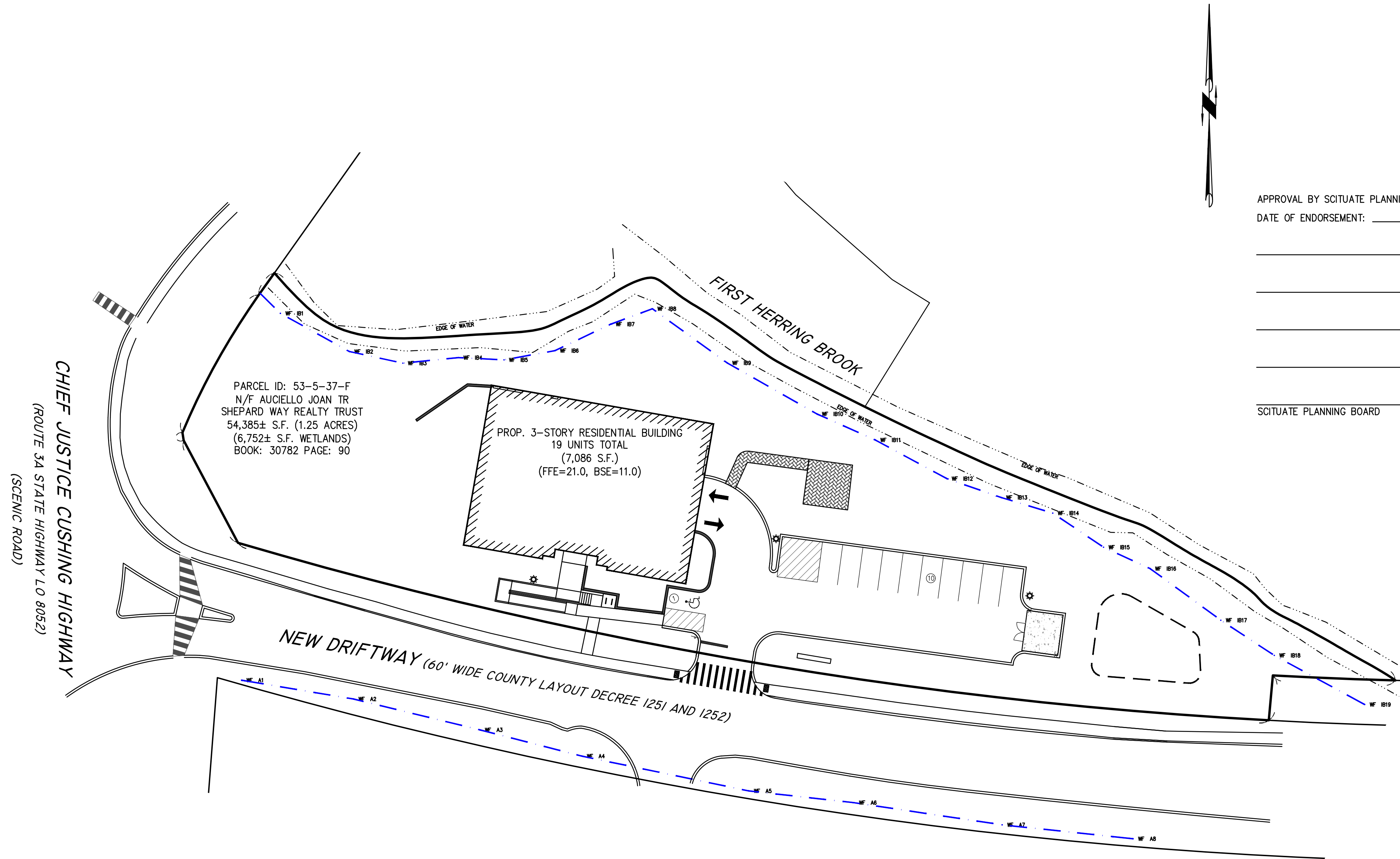
SITE DEVELOPMENT PLANS PROPOSED RESIDENTIAL DEVELOPMENT 7 NEW DRIFTWAY IN SCITUATE, MASSACHUSETTS



Locus Map
Not to Scale

Drawing Index:

No.	Drawing Title
CS-1	COVER SHEET
L-1	LEGEND, ABBREVIATIONS & GENERAL NOTES
EX-1	EXISTING CONDITIONS PLAN
C-1	SITE LAYOUT PLAN
C-2	GRADING AND DRAINAGE PLAN
C-3	UTILITY PLAN
ESC-1	EROSION AND SEDIMENT CONTROL PLAN
T-1 - T-2	TRUCK TURNING PLAN
D-1 - D-5	CONSTRUCTION DETAILS

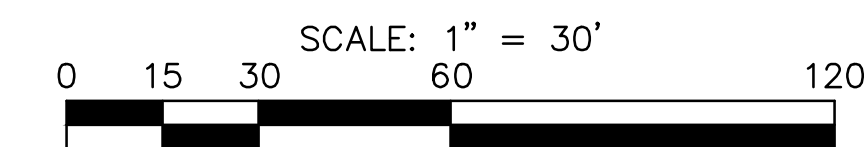


APPROVAL BY SCITUATE PLANNING BOARD
DATE OF ENDORSEMENT: _____

SCITUATE PLANNING BOARD

Applicant:
DRIFT-WAY, LLC
P.O. 378
TYNGSBORO, MA 01879

Engineer/Surveyor:
MCKENZIE ENGINEERING GROUP, INC.
150 LONGWATER DRIVE
SUITE 101
NORWELL, MASSACHUSETTS 02061



REV	DATE	DESCRIPTION	BY	APP
1	5/9/22	PEER REVIEW	ESS	BCM
2	6/27/22	PEER REVIEW	ESS	BCM
3	8/7/22	PEER REVIEW	ESS	BCM

MCKENZIE ENGINEERING GROUP
Assinippi Office Park
150 Longwater Drive, Suite 101
Norwell, MA 02061
P: 781.792.3900
F: 781.792.0333
www.mckeng.com

SITE DEVELOPMENT PLAN
(ASSESSOR'S MAP 53, BLOCK 5, LOT 37F)
7 NEW DRIFTWAY
SCITUATE, MASSACHUSETTS

PROFESSIONAL ENGINEER:

APPLICANT:
DRIFT-WAY, LLC
PO BOX 378
TYNGSBORO, MA 01879

PERMIT PLAN SET

DRAWN BY:	ESS
DESIGNED BY:	ESS
CHECKED BY:	BCM
APPROVED BY:	BCM
DATE:	JULY 12, 2021
SCALE:	1"=30'
PROJECT NO.:	218-153
DWG. TITLE:	

COVER SHEET

DWG. No: **CS-1**

ABBREVIATIONS

Table of abbreviations and their corresponding descriptions, including terms like ABAN (Abandoned), ASPH (Asphalt), and CONC (Concrete).

LEGEND

Legend table with columns for Existing, Proposed, and Description, detailing symbols and elevations for various features like buildings, utilities, and contours.

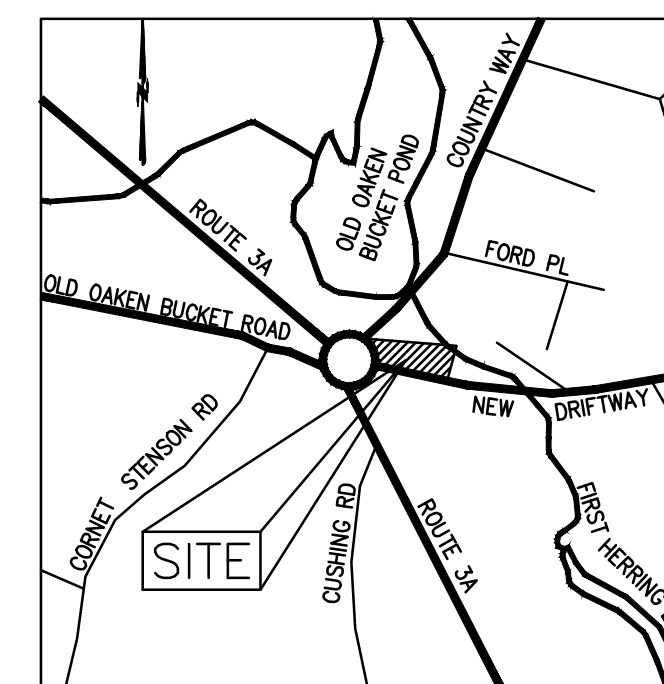
GENERAL NOTES

- GENERAL NOTES section containing SURVEY NOTES, UTILITY NOTES, and CONSTRUCTION PHASE BMP OPERATION AND MAINTENANCE NOTES.

APPROVAL BY SCITUATE PLANNING BOARD

DATE OF ENDORSEMENT:

SCITUATE PLANNING BOARD



Locus Map Not to Scale

SCITUATE NEW WATER MAIN TESTING NOTES:

- SCITUATE NEW WATER MAIN TESTING NOTES: 1. ALL TESTING SHALL BE PERFORMED WITH A WATER DIVISION EMPLOYEE... 2. CHLORINATION WHIP SHALL BE 1' FROM TAP CONNECTION...

EMAIL- SANDERSON@SCITUATEMA.GOV

MCLOUND@SCITUATEMA.GOV

OR

MAIL- SCITUATE WATER DIVISION

4 OLD OAKEN BUCKET RD.

SCITUATE, MA. 02066

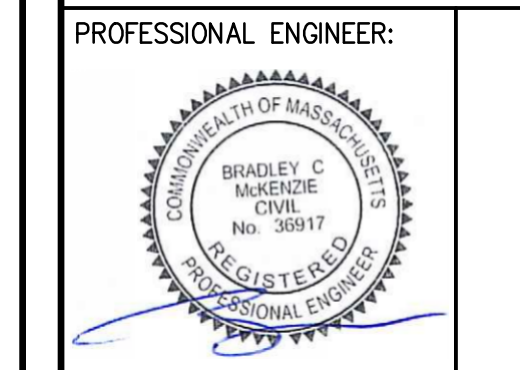
INLAND BANK STABILIZATION NOTES:

- INLAND BANK STABILIZATION NOTES: A PORTION OF THE SLOPE OF THE INLAND BANK IS ERODING... 1. ARRANGE THE EXISTING BOULDERS ALONG THE TOE OF THE INLAND BANK AS A FOUNDATION TO SUPPORT THE STABILIZATION WORK...

Revision table with columns for REV, DATE, DESCRIPTION, BY, and APP.



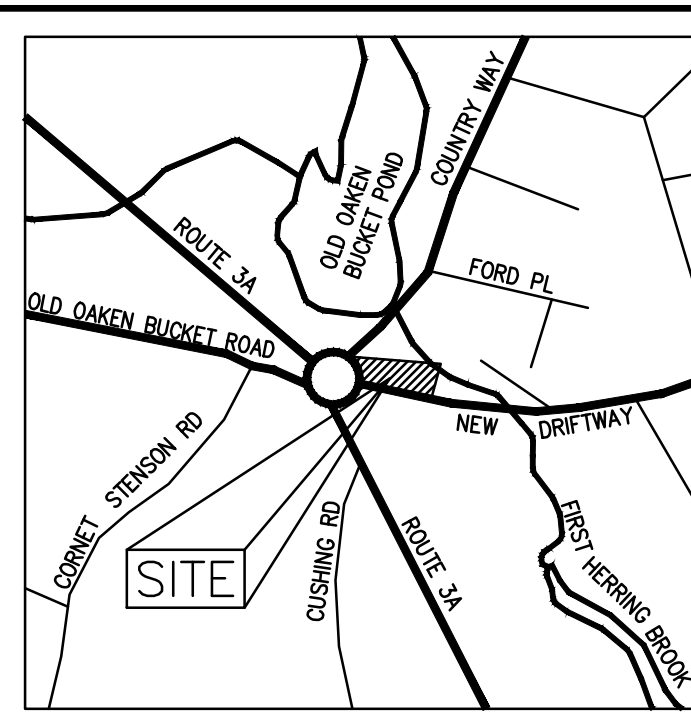
SITE DEVELOPMENT PLAN (ASSESSOR'S MAP 53, BLOCK 5, LOT 37F) 7 NEW DRIFTWAY SCITUATE, MASSACHUSETTS



APPLICANT: DRIFT-WAY, LLC PO BOX 378 TYNGSBORO, MA 01879

DRAWN BY: ESS DESIGNED BY: ESS CHECKED BY: BCM APPROVED BY: BCM DATE: JULY 12, 2021 SCALE: NO SCALE PROJECT NO.: 218-153 DWG. TITLE: LEGEND, ABBREVIATIONS AND GENERAL NOTES

DWG. No. L-1



Locus Map
Not to Scale

CHIEF JUSTICE CUSHING HIGHWAY
(ROUTE 3A STATE HIGHWAY LD 8052)

- SURVEY NOTES:**
- THIS SURVEY WAS MADE ON THE GROUND IN NOVEMBER OF 2015 BY MCKENZIE ENGINEERING GROUP, INC.
 - ELEVATIONS SHOWN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988.
 - A PORTION OF LOCUS IS SITUATED IN ZONE AE AS SHOWN ON F.I.R.M. Nos. 25023C0117L AND 25023C0136L, EFFECTIVE JULY 6, 2021.
 - THE PROPERTY SHOWN HEREON IS LOCATED IN THE VILLAGE CENTER & NEIGHBORHOOD DISTRICT, GREENBUSH-DRIFTWAY GATEWAY DISTRICT (GDG), GATEWAY BUSINESS SUBDISTRICT (GDG-GWB).
 - THE INLAND BANK WETLAND RESOURCE AREA WAS DELINEATED BY ENVIRONMENTAL CONSULTING & RESTORATION, LLC ON APRIL 9, 2021 AND FIELD LOCATED BY MCKENZIE ENGINEERING GROUP, INC. ON APRIL 12, 2021.
 - A PORTION OF THE PROPERTY SHOWN HEREON IS LOCATED IN A DEP ZONE 2 AND TOWN OF SCITUATE WATER RESOURCE PROTECTION ZONE, FLOODPLAIN & WATERSHED PROTECTION DISTRICT AND SALTMARSH AND TIDELAND CONSERVATION DISTRICT.
 - UTILITY INFORMATION FROM ABOVE GROUND OBSERVED EVIDENCE IN CONJUNCTION WITH DIG SAFE MARKINGS AND RECORD PLANS. THE LAND SURVEYOR MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN HEREON COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE LAND SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM AVAILABLE INFORMATION AND CONSTRUCTION AS THE LAND SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES. BEFORE CONSTRUCTION CALL DIG SAFE SYSTEMS, INC. AT 1-888-344-7233.

PARCEL ID: 53-5-37-G
N/F COUNTRY WAY
ASSOCIATES INC.
BOOK: 18148 PAGE: 23

PARCEL ID: 53-5-35-0
N/F TRENZ JAMES W. - IRA
BOOK: 35532 PAGE: 277

PARCEL ID: 53-5-37-F
N/F AUCELLO JOAN TR
SHEPARD WAY REALTY TRUST
54,385± S.F. (1.25 ACRES)
(6,752± S.F. WETLANDS)
BOOK: 30782 PAGE: 90

ABBREVIATIONS

FFE	FIRST FLOOR ELEVATION
BIT CONC.	BITUMINOUS CONCRETE PAVEMENT
CCB	CAPE COD BERM
EP	EDGE OF PAVEMENT
BC	BITUMINOUS CONCRETE CURB
(AM)	AS MEASURED
RET WALL	RETAINING WALL
CONC.	CONCRETE
RCP	REINFORCED CONCRETE PIPE
VCC	VERTICAL GRANITE CURB
ETW	EDGE OF TRAVEL WAY
MTL	METAL BERM
VCC	VERTICAL CONCRETE CURB
CMP	CORRUGATED METAL PIPE

LEGEND

SURVEY SYMBOLS

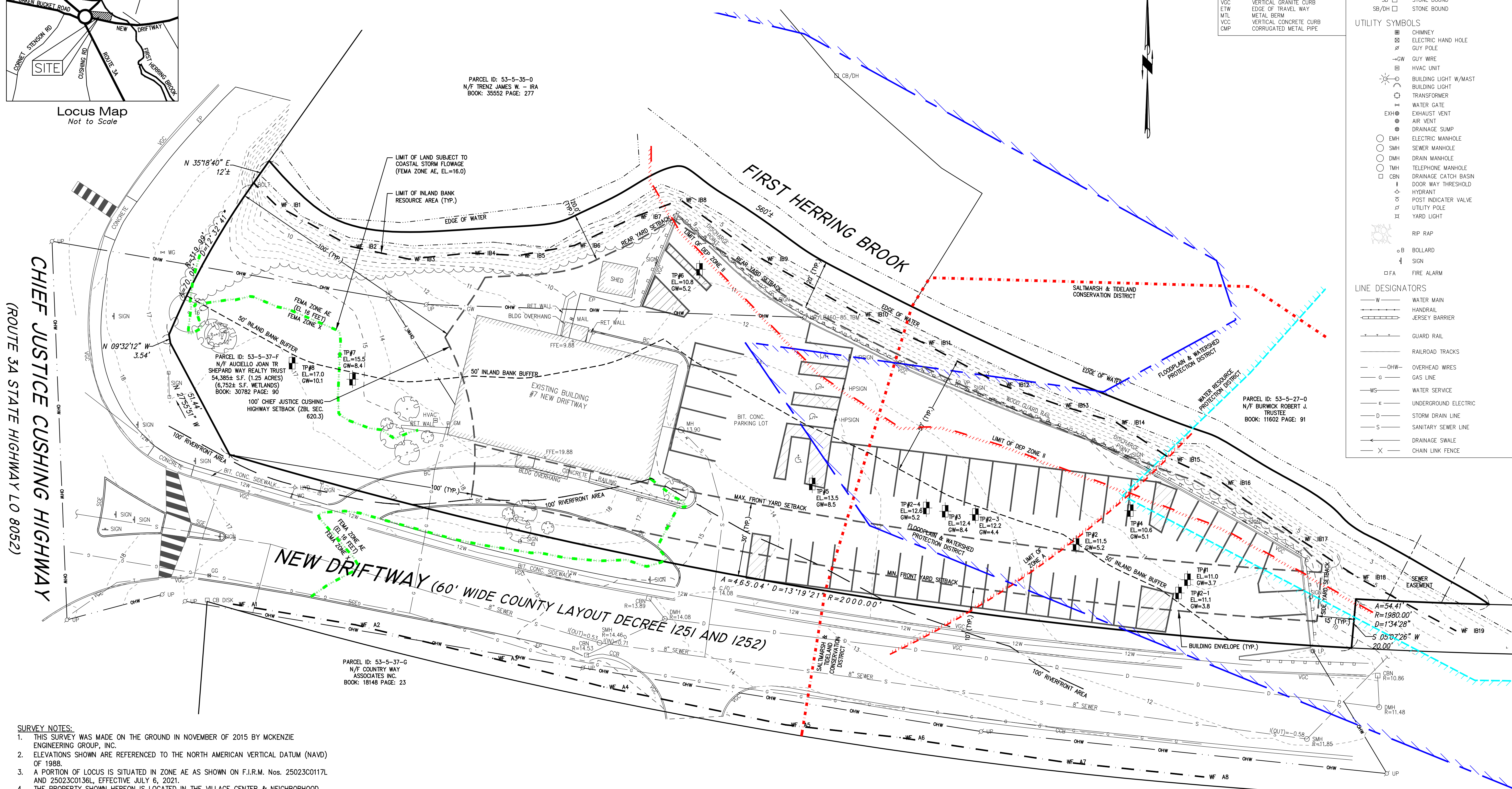
- REBAR
- ∨ ANGLE IRON
- CB/DH □ CONCRETE BOUND WITH DRILL HOLE
- SB □ STONE BOUND
- SB/DH □ STONE BOUND

UTILITY SYMBOLS

- ⊞ CHIMNEY
- ⊞ ELECTRIC HAND HOLE
- ⊞ GUY POLE
- GUY WIRE
- ⊞ HVAC UNIT
- ⊞ BUILDING LIGHT W/MAST
- ⊞ BUILDING LIGHT TRANSFORMER
- ⊞ WATER GATE
- ⊞ EXHAUST VENT
- ⊞ AIR VENT
- ⊞ DRAINAGE SUMP
- EMH ELECTRIC MANHOLE
- SMH SEWER MANHOLE
- DMH DRAIN MANHOLE
- TMH TELEPHONE MANHOLE
- CBN TELEPHONE CATCH BASIN
- ⊞ DOOR WAY THRESHOLD
- ⊞ HYDRANT
- ⊞ POST INDICATOR VALVE
- ⊞ UTILITY POLE
- ⊞ YARD LIGHT
- ⊞ RIP RAP
- B BOLLARD
- ⊞ SIGN
- FA FIRE ALARM

LINE DESIGNATORS

- W WATER MAIN
- H HANDRAIL
- J JERSEY BARRIER
- G GUARD RAIL
- OHW OVERHEAD WIRES
- G GAS LINE
- WS WATER SERVICE
- E UNDERGROUND ELECTRIC
- D STORM DRAIN LINE
- S SANITARY SEWER LINE
- — DRAINAGE SWALE
- X CHAIN LINK FENCE

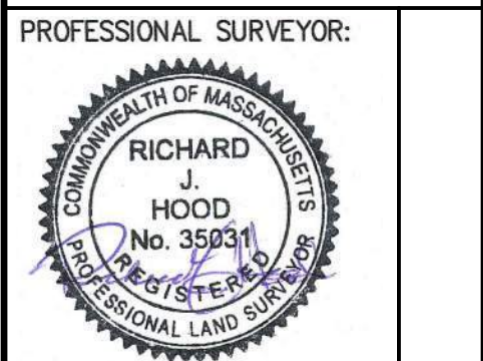


PARCEL ID: 53-5-27-0
N/F BURWICK ROBERT J.
TRUSTEE
BOOK: 11602 PAGE: 91

REV	DATE	DESCRIPTION	BY	APP
1	5/9/22	PEER REVIEW		



EXISTING CONDITIONS PLAN
(ASSESSORS MAP 53, BLOCK 5, LOT 87F)
7 NEW DRIFTWAY
SCITUATE, MASSACHUSETTS



APPLICANT:
DRIFT-WAY, LLC
PO BOX 378
TYNGSBORO, MA 01879

DRAWN BY:	ESS
DESIGNED BY:	ESS
CHECKED BY:	BCM
APPROVED BY:	BCM
DATE:	JULY 12, 2021
SCALE:	1"=20'
PROJECT NO.:	218-153
DWG. TITLE:	

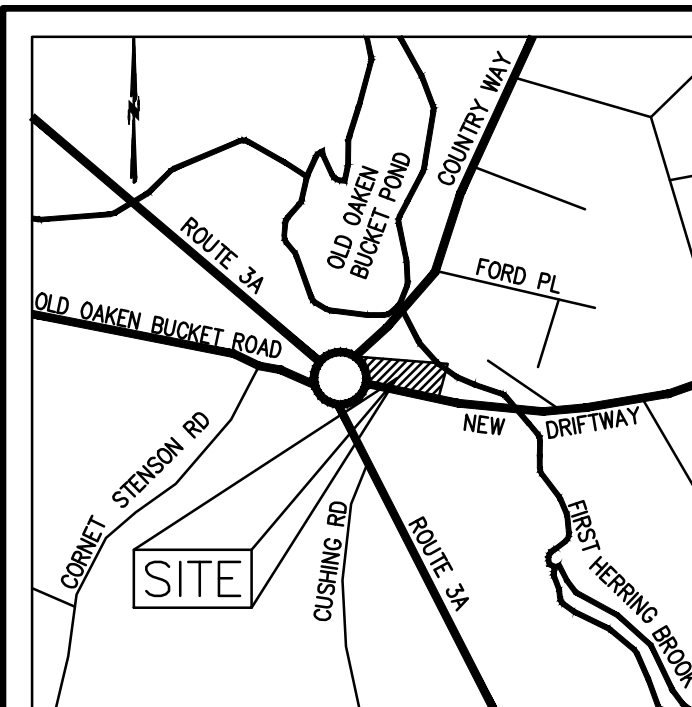
EXISTING CONDITIONS PLAN

DWG. No: **EX-1**



© MCKENZIE ENGINEERING GROUP, INC.

NOT FOR CONSTRUCTION



Locus Map
Not to Scale

CHIEF JUSTICE CUSHING HIGHWAY
(ROUTE 3A STATE HIGHWAY LO 8052)

LAND USAGE TABLES

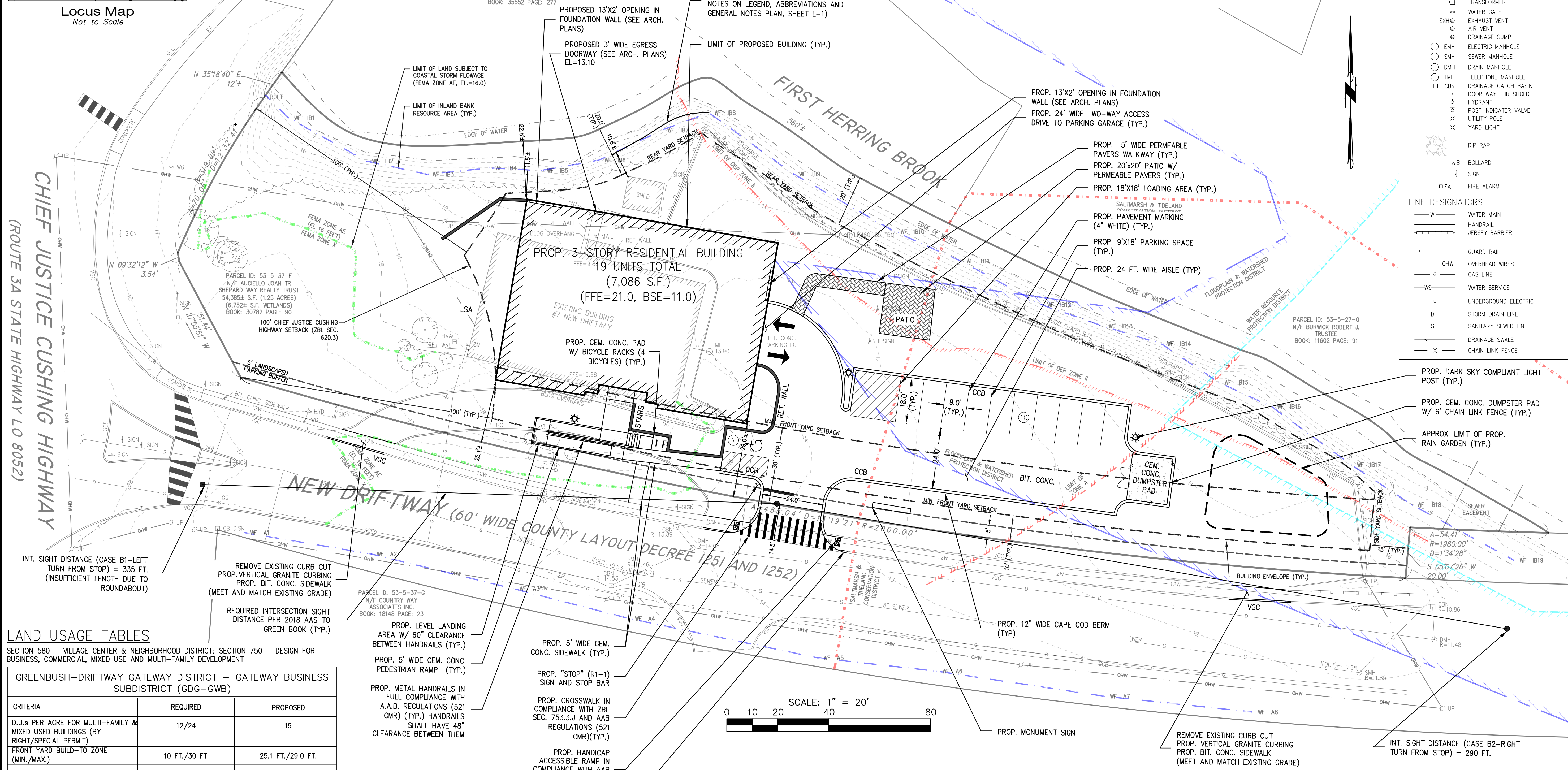
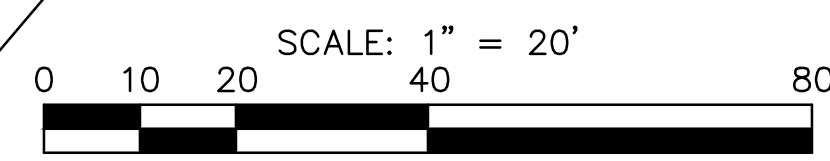
SECTION 580 - VILLAGE CENTER & NEIGHBORHOOD DISTRICT; SECTION 750 - DESIGN FOR BUSINESS, COMMERCIAL, MIXED USE AND MULTI-FAMILY DEVELOPMENT

GREENBUSH-DRIFTWAY GATEWAY DISTRICT - GATEWAY BUSINESS SUBDISTRICT (GDG-GWB)		
CRITERIA	REQUIRED	PROPOSED
D.U.s PER ACRE FOR MULTI-FAMILY & MIXED USED BUILDINGS (BY RIGHT/SPECIAL PERMIT)	12/24	19
FRONT YARD BUILD-TO ZONE (MIN./MAX.)	10 FT./30 FT.	25.1 FT./29.0 FT.
LOT DEPTH	NOT REQUIRED	NOT REQUIRED
SIDE YARD (MIN.)	15 FT.	263.6 FT.
REAR YARD (MIN.)	20 FT.	22.8 FT.
STREET FRONTAGE (MIN.)	80 FT.	602 FT.
LOT SIZE (MIN.)	NOT REQUIRED	54,385 S.F.
OUTDOOR AMENITY SPACE (MIN.)	20%	±20.9%
BUILDING HEIGHT (MAX.)	4 STORIES/40 FT.	SEE BUILDING HEIGHT TABLE
BUILDING FOOTPRINT (MAX.)	NOT APPLICABLE	NOT APPLICABLE
STREET FACING ENTRANCE	REQUIRED	PROVIDED
STREET FACING WALL WIDTH (MIN./MAX.)	60 FT./100 FT.	100 FT.

SECTION 750.5.A.3 - BUILDING SETBACK AND STREET ENCLOSURE

BUILDING SETBACK, STEPBACK, AND STREET ENCLOSURE		
DISTANCE FROM STREET ROW	MAXIMUM BUILDING HEIGHT	PROPOSED
0'	25'	N/A
25'	35'	34.98'
50'	45'	34.98'

* AVERAGE GRADE PLANE FOR PROPOSED BUILDING: ELEVATION = 16.02



PARKING CALCULATIONS

SECTION 760.8.B - BUSINESS AND MIXED USE DISTRICT PARKING REQUIREMENTS AND WAIVERS

COMPONENT	REQUIRED (SCITUATE ZONING BYLAW)	REQUIRED	PROPOSED
RESIDENTIAL USE	1 BEDROOM UNIT IN MULTI-FAMILY BUILDING = 1 SPACE	1 BEDROOM UNIT = 5 (5 SPACES)	LOWER LEVEL PARKING GARAGE = 16 SPACES
	2 BEDROOM UNIT IN MULTI-FAMILY BUILDING = 1.5 SPACES	2 BEDROOM UNIT = 14 (21 SPACES)	EXTERIOR PARKING LOT = 11 SPACES
		TOTAL: 26 SPACES	TOTAL: 27 SPACES

PARKING NOTES:
1. 11 TOTAL EXTERIOR PARKING SPACES INCLUDES 1 AAB ACCESSIBLE SPACE 9' X 18' WITH 8' X 18' ACCESS AREA (VAN ACCESSIBLE SPACE) (521 CMR: ARCHITECTURAL ACCESS BOARD) ACCESSIBLE SPACES REQUIRED = 1 (0-25 TOTAL SPACES)
2. OFF-STREET PARKING AREAS SHALL BE SET BACK A MINIMUM OF 5 FEET FROM ALL BUILDINGS AND LOT LINES.

APPROVAL BY SCITUATE PLANNING BOARD
DATE OF ENDORSEMENT: _____

SCITUATE PLANNING BOARD

ABBREVIATIONS
FFE FIRST FLOOR ELEVATION
BIT CONC. BITUMINOUS CONCRETE PAVEMENT
CCB CAPE COD BERM
EP EDGE OF PAVEMENT
BC BITUMINOUS CONCRETE CURB
(AM) AS MEASURED
RET WALL RETAINING WALL
CONC. CONCRETE
RCP REINFORCED CONCRETE PIPE
VCC VERTICAL GRANITE CURB
ETW EDGE OF TRAVEL WAY
MTL METAL BERM
VCC VERTICAL GRANITE CURB
CMP CORRUGATED METAL PIPE

LEGEND
SURVEY SYMBOLS
REBAR
ANGLE IRON
CONCRETE BOUND WITH DRILL HOLE
STONE BOUND
STONE BOUND

UTILITY SYMBOLS
CHIMNEY
ELECTRIC HAND HOLE
GUY POLE
GUY WIRE
HYAC UNIT
BUILDING LIGHT W/MAST
BUILDING LIGHT
TRANSFORMER
WATER GATE
EXHAUST VENT
AIR VENT
DRAINAGE SLUMP
ELECTRIC MANHOLE
SEWER MANHOLE
DRAIN MANHOLE
TELEPHONE MANHOLE
DRAINAGE CATCH BASIN
DOOR WAY THRESHOLD
HYDRANT
POST INDICATOR VALVE
UTILITY POLE
YARD LIGHT
RIP RAP
BOLLARD
SIGN
FIRE ALARM

LINE DESIGNATORS
WATER MAIN
HANDRAIL
JERSEY BARRIER
GUARD RAIL
OVERHEAD WIRES
GAS LINE
WATER SERVICE
UNDERGROUND ELECTRIC
STORM DRAIN LINE
SANITARY SEWER LINE
DRAINAGE SWALE
CHAIN LINK FENCE

REV	DATE	DESCRIPTION
1	5/9/22	PEER REVIEW
2	6/27/22	PEER REVIEW
3	8/1/22	PEER REVIEW

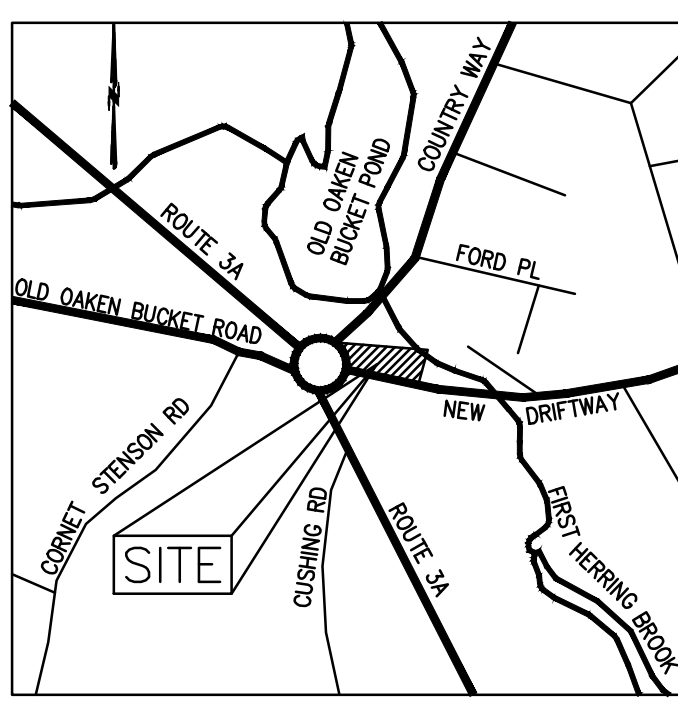
MCKENZIE ENGINEERING GROUP
Assinippi Office Park
150 Longwater Drive, Suite 101
Norwell, MA 02061
P: 781.792.3900
F: 781.792.0333
www.mckeng.com

SITE DEVELOPMENT PLAN
(ASSESSORS MAP 53, BLOCK 5, LOT 37F)
7 NEW DRIFTWAY
SCITUATE, MASSACHUSETTS

PROFESSIONAL ENGINEER:

APPLICANT:
DRIFT-WAY, LLC
PO BOX 378
TYNGSBORO, MA 01879

DRAWN BY: ESS
DESIGNED BY: ESS
CHECKED BY: BCM
APPROVED BY: BCM
DATE: JULY 12, 2021
SCALE: 1"=20'
PROJECT NO.: 218-153
DWG. TITLE: **SITE LAYOUT PLAN**
DWG. No: **C-1**



Locus Map
Not to Scale

CHIEF JUSTICE CUSHING HIGHWAY
(ROUTE 3A STATE HIGHWAY LO 8052)

APPROVAL BY SCITUATE PLANNING BOARD
DATE OF ENDORSEMENT: _____

SCITUATE PLANNING BOARD

ABBREVIATIONS

FFE	FIRST FLOOR ELEVATION
BIT CONC.	BITUMINOUS CONCRETE PAVEMENT
CCB	CAPE COD BERM
EP	EDGE OF PAVEMENT
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(AM)	AS MEASURED
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RCP	REINFORCED CONCRETE PIPE
VCC	VERTICAL GRANITE CURB
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MTL	METAL BERM
VCC	VERTICAL CONCRETE CURB
CMP	CORRUGATED METAL PIPE

LEGEND

SURVEY SYMBOLS

- REBAR
- ANGLE IRON
- CONCRETE BOUND WITH DRILL HOLE
- STONE BOUND
- STONE BOUND

UTILITY SYMBOLS

- CHIMNEY
- ELECTRIC HAND HOLE
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- GUY WIRE
- HVAC UNIT
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- HYDRANT
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- UTILITY POLE
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- RIP RAP
- BOLLARD
- SION
- FIRE ALARM

LINE DESIGNATORS

- WATER MAIN
- HANDRAIL
- JERSEY BARRIER
- GUARD RAIL
- OVERHEAD WIRES
- GAS LINE
- WATER SERVICE
- UNDERGROUND ELECTRIC
- STORM DRAIN LINE
- SANITARY SEWER LINE
- DRAINAGE SWALE
- CHAIN LINK FENCE

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2	6/27/22	PEER REVIEW	ESS	BCM
3	8/1/22	PEER REVIEW	ESS	BCM

MCKENZIE ENGINEERING GROUP
 Assignip Office Park
 150 Longwater Drive, Suite 101
 Norwell, MA 02061
 P: 781.792.3900
 F: 781.792.0333
 www.mckeng.com

SITE DEVELOPMENT PLAN
 (ASSESSOR'S MAP 53, BLOCK 5, LOT 37F)
 7 NEW DRIFTWAY
 SCITUATE, MASSACHUSETTS

PROFESSIONAL ENGINEER:

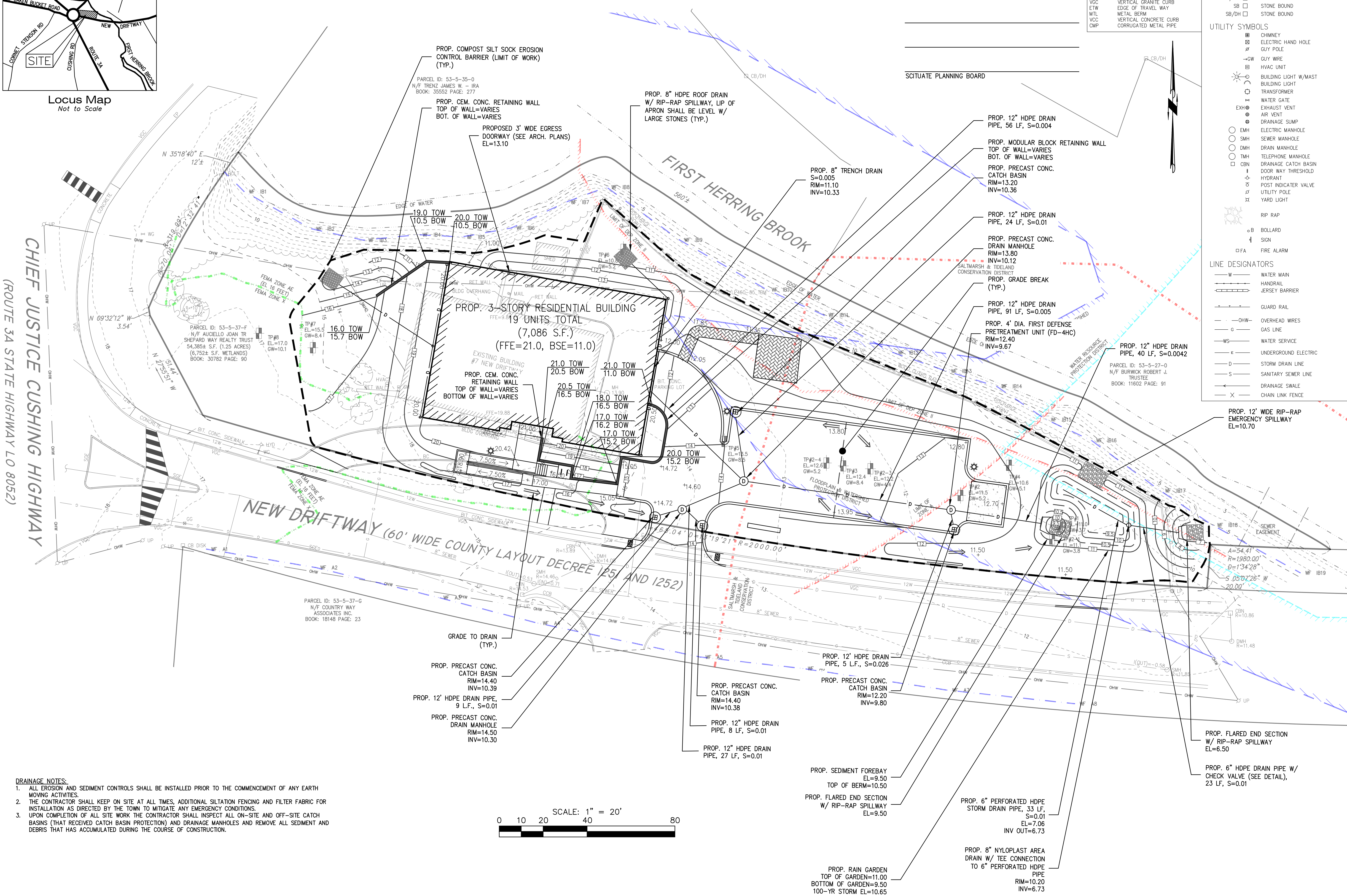
 BRADLEY C. MCKENZIE
 No. 38917
 REGISTERED PROFESSIONAL ENGINEER
 COMMONWEALTH OF MASSACHUSETTS

APPLICANT:
 DRIFT-WAY, LLC
 PO BOX 378
 TYNGSBORO, MA 01879

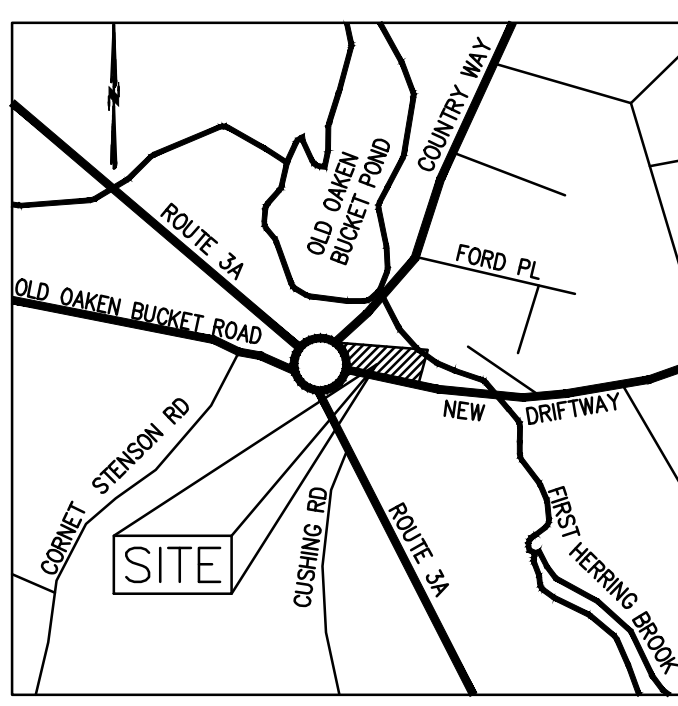
PERMIT PLAN SET

DRAWN BY: ESS
 DESIGNED BY: ESS
 CHECKED BY: BCM
 APPROVED BY: BCM
 DATE: JULY 12, 2021
 SCALE: 1"=20'
 PROJECT NO.: 218-153
 DWG. TITLE: GRADING AND DRAINAGE PLAN

DWG. No: C-2



- DRAINAGE NOTES:**
- ALL EROSION AND SEDIMENT CONTROLS SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF ANY EARTH MOVING ACTIVITIES.
 - THE CONTRACTOR SHALL KEEP ON SITE AT ALL TIMES, ADDITIONAL SILTATION FENCING AND FILTER FABRIC FOR INSTALLATION AS DIRECTED BY THE TOWN TO MITIGATE ANY EMERGENCY CONDITIONS.
 - UPON COMPLETION OF ALL SITE WORK THE CONTRACTOR SHALL INSPECT ALL ON-SITE AND OFF-SITE CATCH BASINS (THAT RECEIVED CATCH BASIN PROTECTION) AND DRAINAGE MANHOLES AND REMOVE ALL SEDIMENT AND DEBRIS THAT HAS ACCUMULATED DURING THE COURSE OF CONSTRUCTION.



Locus Map
Not to Scale

APPROVAL BY SCITUATE PLANNING BOARD
DATE OF ENDORSEMENT: _____

SCITUATE PLANNING BOARD

ABBREVIATIONS

FFE	FIRST FLOOR ELEVATION
BIT CONC.	BITUMINOUS CONCRETE PAVEMENT
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LEGEND

SURVEY SYMBOLS

- REBAR
- ANGLE IRON
- CONCRETE BOUND WITH DRILL HOLE
- STONE BOUND
- STONE BOUND

UTILITY SYMBOLS

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- BUILDING LIGHT
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- EXHAUST VENT
- AIR VENT
- DRAINAGE SUMP
- ELECTRIC MANHOLE
- SEWER MANHOLE
- DRAIN MANHOLE
- TELEPHONE MANHOLE
- DRAINAGE CATCH BASIN
- DOOR WAY THRESHOLD
- HYDRANT
- POST INDICATOR VALVE
- UTILITY POLE
- YARD LIGHT
- RIP RAP
- BOLLARD
- SIGN
- FIRE ALARM

LINE DESIGNATORS

- WATER MAIN
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- STORM DRAIN LINE
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MG
MCKENZIE ENGINEERING GROUP
Assinippi Office Park
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www.mckeng.com

SITE DEVELOPMENT PLAN
(ASSESSORS MAP 53, BLOCK 5, LOT 37F)
7 NEW DRIFTWAY
SCITUATE, MASSACHUSETTS

PROFESSIONAL ENGINEER:

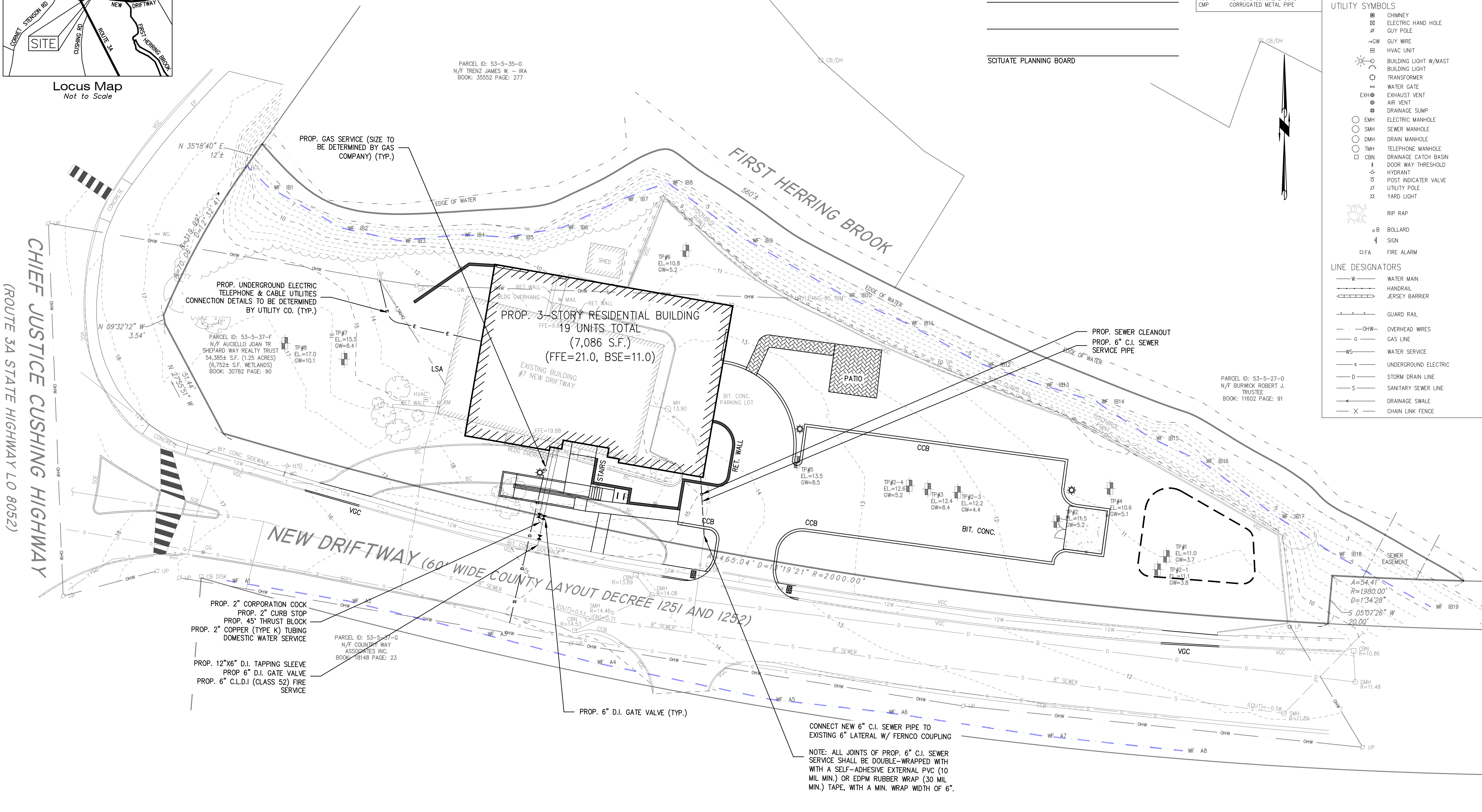
APPLICANT:
DRIFT-WAY, LLC
PO BOX 378
TYNGSBORO, MA 01879

DRAWN BY:	ESS
DESIGNED BY:	ESS
CHECKED BY:	BCM
APPROVED BY:	BCM
DATE:	JULY 12, 2021
SCALE:	1"=20'
PROJECT NO.:	218-153
DWG. TITLE:	

UTILITY PLAN

DWG. No: **C-3**

CHIEF JUSTICE CUSHING HIGHWAY
(ROUTE 3A STATE HIGHWAY LD 8052)

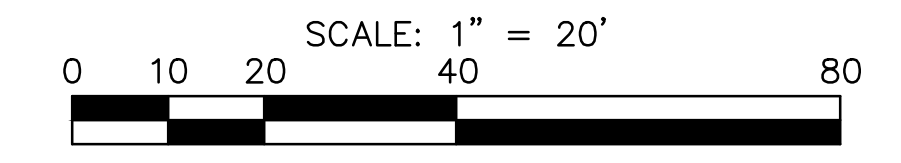


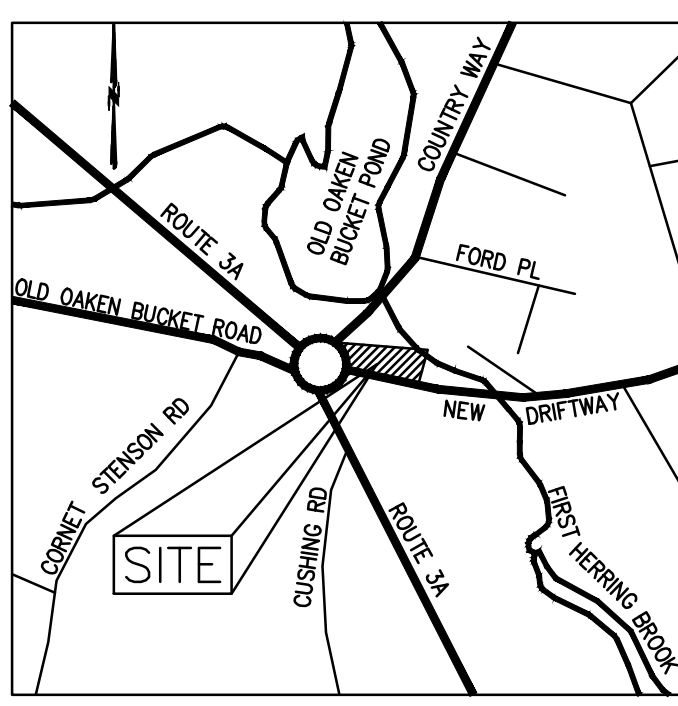
- PROP. 2" CORPORATION COCK
- PROP. 2" CURB STOP
- PROP. 45" THRUST BLOCK
- PROP. 2" COPPER (TYPE K) TUBING DOMESTIC WATER SERVICE
- PROP. 12"x6" D.I. TAPPING SLEEVE
- PROP. 6" D.I. GATE VALVE
- PROP. 6" C.L.D.J (CLASS 52) FIRE SERVICE

PROP. 6" D.I. GATE VALVE (TYP.)

CONNECT NEW 6" C.I. SEWER PIPE TO EXISTING 6" LATERAL W/ FERNCO COUPLING

NOTE: ALL JOINTS OF PROP. 6" C.I. SEWER SERVICE SHALL BE DOUBLE-WRAPPED WITH A SELF-ADHESIVE EXTERNAL PVC (10 MIL MIN.) OR EPDM RUBBER WRAP (30 MIL MIN.) TAPE, WITH A MIN. WRAP WIDTH OF 6".





Locus Map
Not to Scale

DUST CONTROL

DUST CONTROL WILL BE UTILIZED THROUGHOUT THE ENTIRE CONSTRUCTION PROCESS OF THE SITE. FOR EXAMPLE, KEEPING DISTURBED SURFACES MOIST DURING WINDY PERIODS WILL BE AN EFFECTIVE CONTROL MEASURE. ESPECIALLY FOR CONSTRUCTION ACCESS ROADS. DUST CONTROL WILL PREVENT THE MOVEMENT OF SOIL TO OFFSITE AREAS HOWEVER, CARE MUST BE TAKEN TO NOT CREATE RUNOFF FROM EXCESSIVE USE OF WATER TO CONTROL DUST. DUST CONTROL SHALL BE EVALUATED BY THE CONTRACTOR WEEKLY, AND FOLLOWING HEAVY RAINFALL EVENTS. THE FOLLOWING ARE METHODS OF DUST CONTROL THAT MAY BE USED ON-SITE:

1. VEGETATIVE COVER - THE MOST PRACTICAL METHOD FOR DISTURBED AREAS NOT SUBJECT TO TRAFFIC
2. CALCIUM CHLORIDE - MAY BE APPLIED BY MECHANICAL SPREADER AS LOOSE, DRY GRANULES OR FLAKES AT A RATE THAT KEEPS THE SURFACE MOIST BUT NOT SO HIGH AS TO CAUSE WATER POLLUTION OR PLANT DAMAGE.
3. SPRINKLING - THE SITE MAY BE SPRINKLED UNTIL THE SURFACE IS WET. SPRINKLING WILL BE EFFECTIVE FOR DUST CONTROL ON HAUL ROADS AND OTHER TRAFFIC ROUTES.
4. STONE - STONE WILL BE USED TO STABILIZE CONSTRUCTION ROADS; WILL ALSO BE EFFECTIVE FOR DUST CONTROL.

PROP. COMPOST SILT SOCK EROSION CONTROL BARRIER (LIMIT OF WORK) (TYP.)

PARCEL ID: 53-5-35-0
N/F TRENZ JAMES W. - IRA
BOOK: 35552 PAGE: 277

PROP. TEMPORARY SEDIMENTATION BASIN
CONTRIBUTORY AREA=5,900 S.F.
REQUIRED VOLUME=(5,900 X 3,600 CUBIC FEET/ACRE) / 43,560 S.F./ACRE =488 CUBIC FEET OF STORAGE (MIN.)
TOP OF BASIN=13.0
BOT. OF BASIN=12.0

PROP. STAGING/MATERIAL STORAGE AREA FOR CONSTRUCTION

PROP. TEMPORARY SEDIMENTATION BASIN
CONTRIBUTORY AREA=19,500 S.F.
REQUIRED VOLUME=(19,500 X 3,600 CUBIC FEET/ACRE) / 43,560 S.F./ACRE =1,620 CUBIC FEET OF STORAGE (MIN.)
TOP OF BASIN=11.0
BOT. OF BASIN=9.0

PROP. RIP-RAP EMERGENCY SPILLWAY (TYP.)

PROP. 3-STORY RESIDENTIAL BUILDING
19 UNITS TOTAL
(7,086 S.F.)
(FFE=21.0, BSE=11.0)

EXISTING BUILDING #7 NEW DRIFTWAY

PARCEL ID: 53-5-27-0
N/F BURMICK ROBERT J. TRUSTEE
BOOK: 11602 PAGE: 91

PARCEL ID: 53-5-37-G
N/F COUNTRY WAY ASSOCIATES INC.
BOOK: 18148 PAGE: 23

CONSTRUCTION SEQUENCE

TO PREVENT EXCESSIVE EROSION AND SILTING, THE FOLLOWING CONSTRUCTION SEQUENCE COUPLED WITH OTHER WIDELY ACCEPTED PRINCIPALS FOR REDUCING EROSION AND SEDIMENTATION SHALL BE IMPLEMENTED IN THE DEVELOPMENT OF THE SITE.

1. THE CONTRACTOR SHALL COORDINATE A PRE-CONSTRUCTION MEETING PRIOR TO ANY CONSTRUCTION ACTIVITY.
2. STABILIZATION PRACTICES FOR EROSION AND SEDIMENT CONTROL SHALL BE INSTALLED PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES. REFER TO "EROSION AND SEDIMENTATION CONTROL" SECTION OF THIS PLAN & PLACE SILTATION FENCE ON THE SITE PLANS.
3. CLEAR AND GRUB UP AS REQUIRED FOR THE CONSTRUCTION OF THE DRIVEWAY AND RELATED INFRASTRUCTURE.
4. CONSTRUCT TEMPORARY SEDIMENTATION BASINS.
5. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE.
6. EXCAVATE TOPSOIL AND SUBSOIL FROM CUT AND FILL AREAS AND STOCKPILE ON SITE IN LOCATIONS SHOWN ON THE PLAN. CONSIDERATION SHOULD BE GIVEN TO LOCATING STOCKPILES ON THE UPHILL SIDE OF DISTURBED AREAS, WHERE POSSIBLE, TO ACT AS TEMPORARY DIVERSIONS.
7. CONSTRUCT CUT AND FILL AREAS, INSTALLING HAYBALE CHECK DAMS AT TOES OF ALL 3:1 OR GREATER SLOPES, AND AT ENDS OF ALL CUT AREAS. ALL FILL WILL BE INSTALLED USING 12" MAXIMUM COMPACTION LIFTS. PLACE ALL SLOPE PROTECTION WHERE INDICATED ON THE PLAN. THE SUBSURFACE INFILTRATION SYSTEM SHALL BE CONSTRUCTED IMMEDIATELY AFTER THE DRIVEWAY ROUGH GRADING IS COMPLETED AND THE AREA HAS BEEN CLEARED OF VEGETATION.
8. DEMOLISH EXISTING BUILDING.
9. INSTALL ISLAND BANK STABILIZATION.
10. INSTALL CLOSED DRAINAGE SYSTEM AND OTHER UTILITIES. ALL CATCH BASINS SHALL BE COVERED WITH SILTSACK OR EQUIVALENT INLET PROTECTION.
11. GRADE DRIVEWAY TO SUBGRADE ELEVATION AND CONSTRUCT SIDE SLOPES. APPLY TEMPORARY STABILIZATION MEASURES WHERE WARRANTED. REFER TO "EROSION AND SEDIMENTATION CONTROL" SECTION OF THIS PLAN.
12. PLACE GRAVEL SUBBASE.
13. PLACE THE BITUMINOUS CONCRETE BINDER COURSE ON DRIVEWAY AND PARKING LOT.
14. CONSTRUCT BUILDING STRUCTURES AND ASSOCIATED UTILITY CONNECTIONS.
15. GRADE SLOPES AND STABILIZE CUT AREAS AT TOE OF SLOPES. BLEND ALL SLOPES INTO EXISTING TOPOGRAPHY AND LOAM AND SEED ALL DISTURBED AREAS. SLOPES GREATER THAN 3:1 SHALL BE STABILIZED WITH JUTE MESH.
16. PLACE THE FINAL WEARING COURSE OF PAVEMENT.
17. COMPLETE FINE GRADING OF SHOULDERS AND PLACE PAVEMENT IN MISCELLANEOUS AREAS.
18. REMOVE TEMPORARY EROSION CONTROL DEVICES ONCE ADEQUATE GROWTH IS ESTABLISHED. ADEQUATE GROWTH IS DEFINED AS VEGETATION COVERING 75% OR MORE OF THE GROUND SURFACE.

GENERAL CONSTRUCTION NOTES

1. SUBSURFACE INFILTRATION SYSTEM WILL BE DELINEATED BY STAKES WITH CAUTION TAPE AND/OR CONSTRUCTION FENCING PRIOR TO CONSTRUCTION TO PROTECT FROM SOIL COMPACTION. NO HEAVY EQUIPMENT WILL BE ALLOWED IN THIS AREA.
2. TOPSOIL AND EXCAVATED STOCKPILES WILL BE STORED IN SEPARATE STOCKPILE AREAS. THE CONTRACTOR MAY ADJUST THE SIZE AND LOCATION OF STOCKPILE AREAS AS NEEDED.
3. STUMPS, LOGS AND DERRIS HINDERING CONSTRUCTION ACTIVITY SHALL BE REMOVED PRIOR TO CONSTRUCTION AND DISPOSED OF IN ACCORDANCE WITH LOCAL AND STATE REGULATIONS.
4. UNSUITABLE MATERIAL INCLUDING THE EXISTING STOCKPILE WILL BE REMOVED AND/OR RELOCATED FROM SITE PRIOR TO CONSTRUCTION OF INDIVIDUAL LOTS.

CONSTRUCTION PHASE BMP OPERATION AND MAINTENANCE NOTES:

1. STRUCTURAL PRACTICES UTILIZED FOR THE PROJECT WILL INCLUDE SILT SOCK EROSION CONTROL BARRIERS, STABILIZED CONSTRUCTION ENTRANCES, CONCRETE WASH STATIONS, STOCKPILE AREAS, AND INLET PROTECTION.
2. STABILIZATION PRACTICES UTILIZED FOR THE PROJECT WILL INCLUDE TEMPORARY SEEDING, GEOTEXTILES (JUTE MESH), MULCHING, AND PERMANENT SEEDING.
3. OPERATOR PERSONNEL AND/OR ITS CONSULTANTS MUST INSPECT THE CONSTRUCTION SITE AT LEAST ONCE EVERY 7 CALENDAR DAYS OR EVERY 14 CALENDAR DAYS AND WITHIN 24 HOURS OF A STORM EVENT 1/4 INCH OR GREATER. THE INSPECTOR SHOULD REVIEW THE EROSION AND SEDIMENT CONTROLS WITH RESPECT TO THE FOLLOWING:
A. WHETHER OR NOT THE BMP WAS INSTALLED/PERFORMED CORRECTLY.
B. WHETHER OR NOT THERE HAS BEEN DAMAGE TO THE BMP SINCE IT WAS INSTALLED OR PERFORMED.
C. WHAT SHOULD BE DONE TO CORRECT ANY PROBLEMS WITH THE BMP.
4. THE INSPECTOR SHALL COMPLETE THE INSPECTION SCHEDULE AND EVALUATION CHECKLIST FOR FINDINGS AND SHOULD REQUEST THE REQUIRED MAINTENANCE OR REPAIR.
5. ALL SLOPES EXCEEDING 15% RESULTING FROM SITE GRADING SHALL BE BOTH COVERED WITH FOUR INCHES OF TOPSOIL AND PLANTED WITH A VEGETATED COVER SUFFICIENT TO PREVENT EROSION.

PROP. SILT SACK CATCH BASIN INLET PROTECTION (TO BE REMOVED UPON COMPLETION) (TYP.)

PROP. STABILIZED CONSTRUCTION ENTRANCE (TYP.)

PROP. FUELING AND MAINTENANCE AREA (TYP.)

PROP. CONCRETE WASHOUT AREA (TYP.)

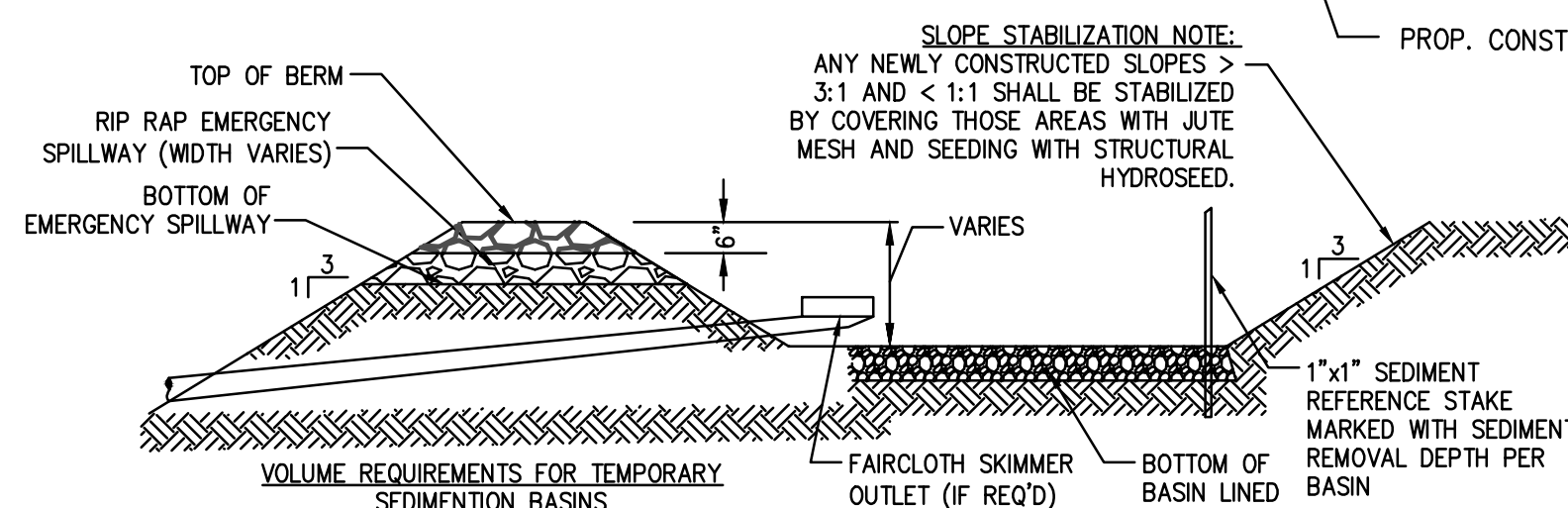
PROP. CONSTRUCTION FENCING (TYP.)

APPROX. LIMIT OF RAIN GARDEN (TYP.)

PROP. CONSTRUCTION TRAILER (TYP.)

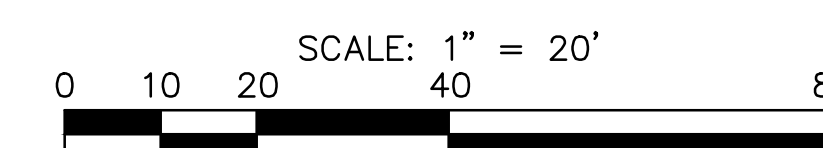
PROP. SANITARY FACILITY (TYP.)

PROP. TEMPORARY DUMPSTER (TYP.)



TEMPORARY SEDIMENTATION BASIN
NOT TO SCALE

CONSTRUCTION NOTE:
TEMPORARY SEDIMENTATION BASINS SHALL BE INSTALLED AS CLOSE AS POSSIBLE TO LOCATIONS SHOWN ON THE PLAN, BUT SITE CONDITION SUCH AS SOILS, POOL AREA, AND SPILLWAY CONDITIONS SHALL BE CONSIDERED. CONTRACTOR SHALL HAVE THE FLEXIBILITY TO ADJUST LOCATIONS AS LONG AS REQUIRED VOLUME IS PROVIDED.



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APPROVAL BY SCITUATE PLANNING BOARD

DATE OF ENDORSEMENT: _____

SCITUATE PLANNING BOARD

ABBREVIATIONS

- FFE FIRST FLOOR ELEVATION
- BIT CONC. BITUMINOUS CONCRETE PAVEMENT
- CCB CAPE COOD BERM
- EP EDGE OF PAVEMENT
- BC BITUMINOUS CONCRETE CURB
- (AM) AS MEASURED
- RET WALL RETAINING WALL
- CONC. CONCRETE
- RCP REINFORCED CONCRETE PIPE
- VCC VERTICAL GRANITE CURB
- ETW EDGE OF TRAVEL WAY
- MTL METAL BERM
- VCC VERTICAL CONCRETE CURB
- CMP CORRUGATED METAL PIPE

LEGEND

SURVEY SYMBOLS

- REBAR
- ANGLE IRON
- CONCRETE BOUND WITH DRILL HOLE
- STONE BOUND
- STONE BOUND

UTILITY SYMBOLS

- CHIMNEY
- ELECTRIC HAND HOLE
- GUY POLE
- GUY WIRE
- HVAC UNIT
- BUILDING LIGHT W/MAST
- BUILDING LIGHT
- TRANSFORMER
- WATER GATE
- EXHAUST VENT
- AIR VENT
- DRAINAGE SUMP
- ELECTRIC MANHOLE
- SEWER MANHOLE
- DRAIN MANHOLE
- TELEPHONE MANHOLE
- DRAINAGE CATCH BASIN
- DOOR WAY THRESHOLD
- HYDRANT
- POST INDICATOR VALVE
- UTILITY POLE
- YARD LIGHT

LINE DESIGNATORS

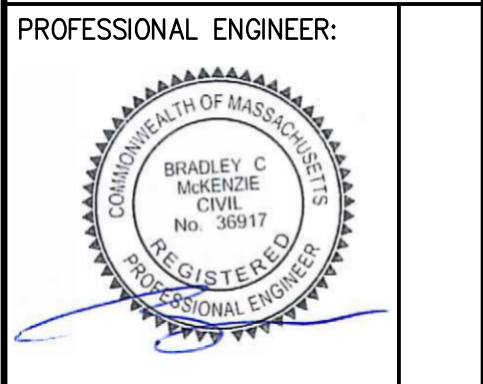
- WATER MAIN
- HANDRAIL
- JERSEY BARRIER
- GUARD RAIL
- OVERHEAD WIRES
- GAS LINE
- WATER SERVICE
- UNDERGROUND ELECTRIC
- STORM DRAIN LINE
- SANITARY SEWER LINE
- DRAINAGE SWALE
- CHAIN LINK FENCE

APP	DESCRIPTION	DATE	REV
ESS BOM	PEER REVIEW	5/9/22	1
ESS BOM	PEER REVIEW	6/27/22	2
ESS BOM	PEER REVIEW	8/1/22	3



SITE DEVELOPMENT PLAN
(ASSESSORS MAP 53, BLOCK 5, LOT 37F)
7 NEW DRIFTWAY
SCITUATE, MASSACHUSETTS

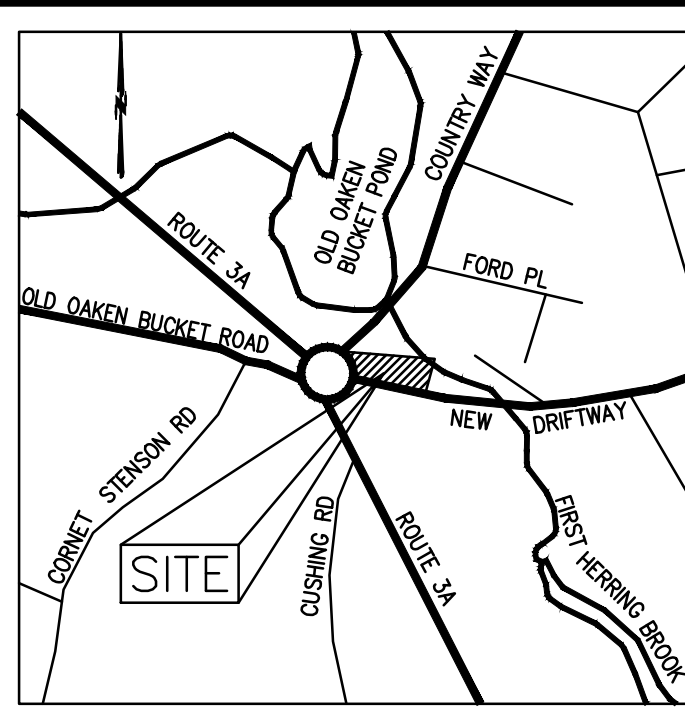
PROFESSIONAL ENGINEER:



APPLICANT:
DRIFT-WAY, LLC
PO BOX 378
TYNGSBORO, MA 01879

DRAWN BY: ESS
DESIGNED BY: ESS
CHECKED BY: BCM
APPROVED BY: BCM
DATE: JULY 12, 2021
SCALE: 1"=20'
PROJECT NO.: 218-153
DWG. TITLE:

EROSION AND SEDIMENT CONTROL PLAN
DWG. No: **ESC-1**



Locus Map
Not to Scale

CHIEF JUSTICE CUSHING HIGHWAY
(ROUTE 3A STATE HIGHWAY LD 8052)

APPROVAL BY SCITUATE PLANNING BOARD
DATE OF ENDORSEMENT: _____

SCITUATE PLANNING BOARD

ABBREVIATIONS

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- TELEPHONE MANHOLE
- DRAINAGE CATCH BASIN
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- HYDRANT
- POST INDICATOR VALVE
- UTILITY POLE
- YARD LIGHT
- RIP RAP
- BOLLARD
- SIGN
- FIRE ALARM

LINE DESIGNATORS

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- SANITARY SEWER LINE
- DRAINAGE SWALE
- CHAIN LINK FENCE

REV	DATE	DESCRIPTION	BY	APP
1	8/1/22	PEER REVIEW	ESS	BCM

MCKENZIE ENGINEERING GROUP
Assinippi Office Park
150 Longwater Drive, Suite 101
Norwell, MA 02061
P: 781.792.3900
F: 781.792.0333
www.mckeng.com

SITE DEVELOPMENT PLAN
(ASSESSORS MAP 53, BLOCK 5, LOT 37F)
7 NEW DRIFTWAY
SCITUATE, MASSACHUSETTS

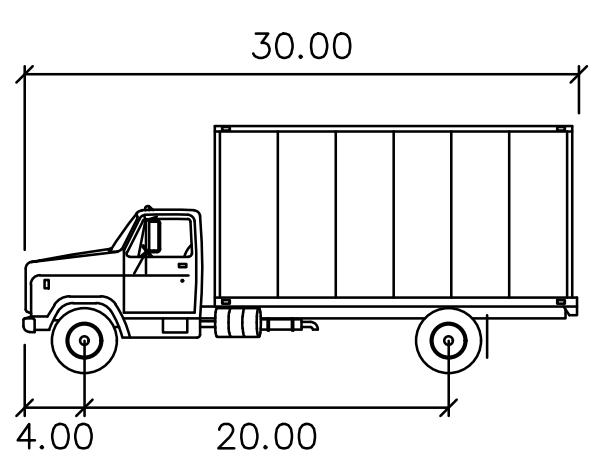
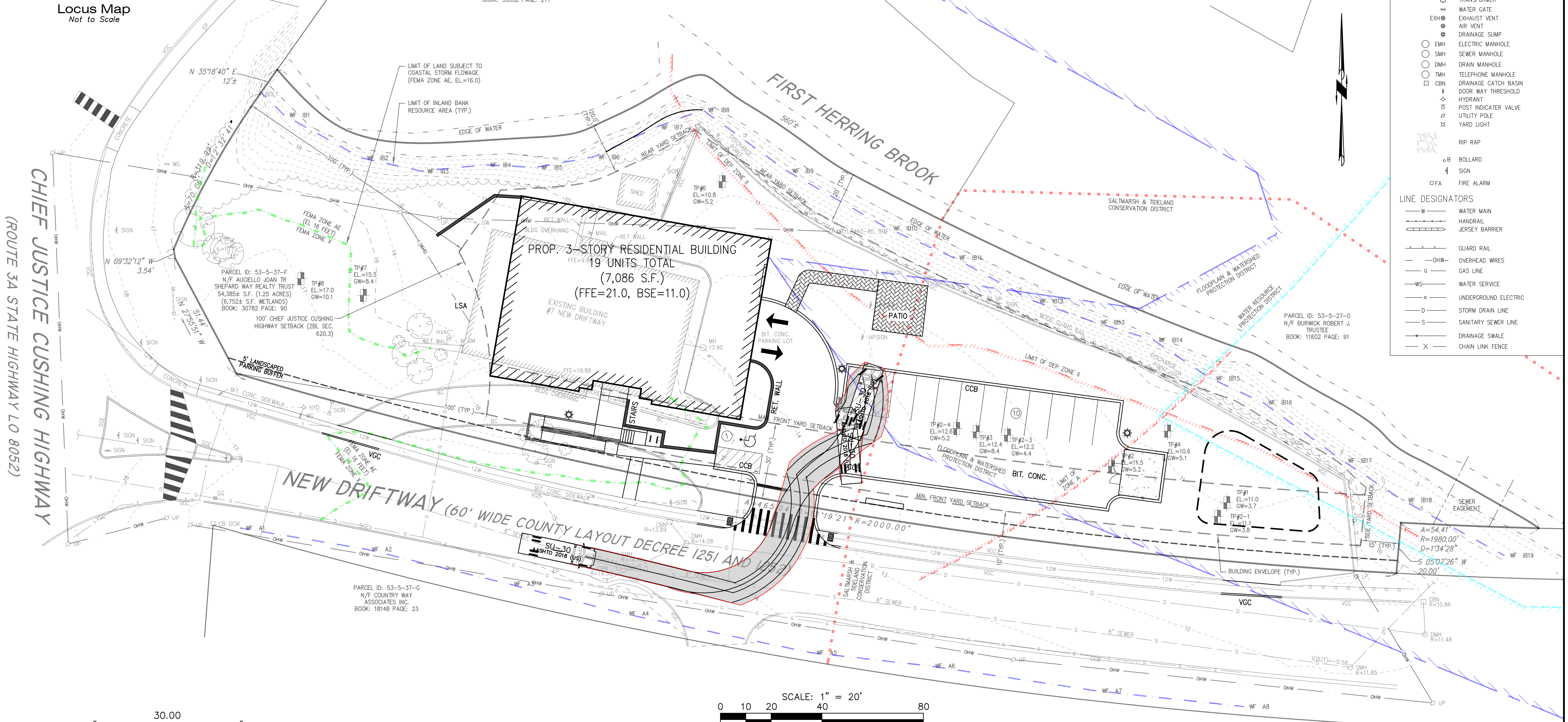
PROFESSIONAL ENGINEER:
 BRADLEY C. MCKENZIE
CIVIL ENGINEER
REGISTERED PROFESSIONAL ENGINEER

APPLICANT:
DRIFT-WAY, LLC
PO BOX 378
TYNGSBORO, MA 01879

DRAWN BY: ESS
DESIGNED BY: ESS
CHECKED BY: BCM
APPROVED BY: BCM
DATE: JULY 12, 2021
SCALE: 1"=20'
PROJECT NO.: 218-153
DWG. TITLE:

TRUCK TURNING PLAN
DWG. No: T-1

PERMIT PLAN SET

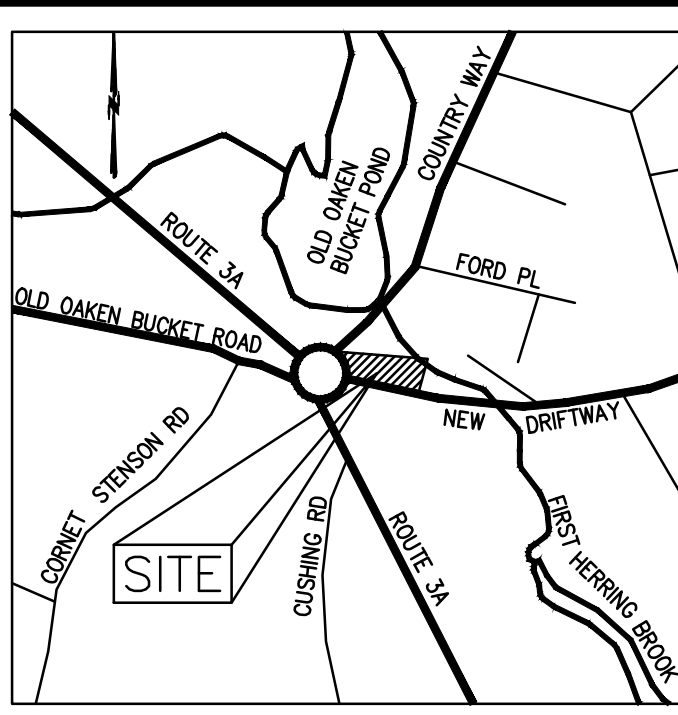


SU-30

feet

Width : 8.00
Track : 8.00
Lock to Lock Time : 6.0
Steering Angle : 31.8

NOTE: LIMIT OF BUMPER OVERHANG IS SHOWN IN RED. VEHICLE WHEEL PATH IS SHOWN AS BLACK LINES.



Locus Map
Not to Scale

APPROVAL BY SCITUATE PLANNING BOARD
 DATE OF ENDORSEMENT: _____

 SCITUATE PLANNING BOARD

ABBREVIATIONS
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- SURVEY SYMBOLS**
- REBAR
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 - CONCRETE BOUND WITH DRILL HOLE
 - STONE BOUND
 - STONE BOUND
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 - SANITARY SEWER LINE
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 - CHAIN LINK FENCE

REV	DATE	DESCRIPTION	BY	APP
1	8/1/22	PEER REVIEW	ESS	BCM

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SITE DEVELOPMENT PLAN
 (ASSESSORS MAP 53, BLOCK 5, LOT 37F)
 7 NEW DRIFTWAY
 SCITUATE, MASSACHUSETTS

PROFESSIONAL ENGINEER:

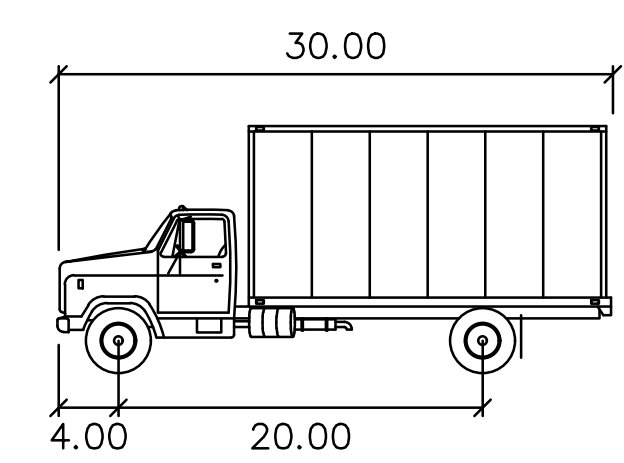
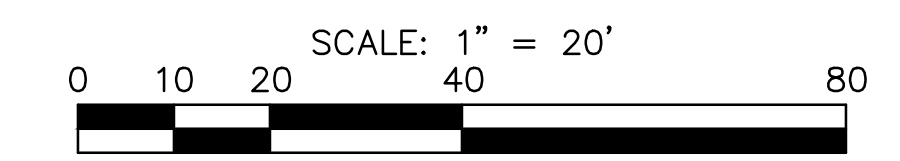
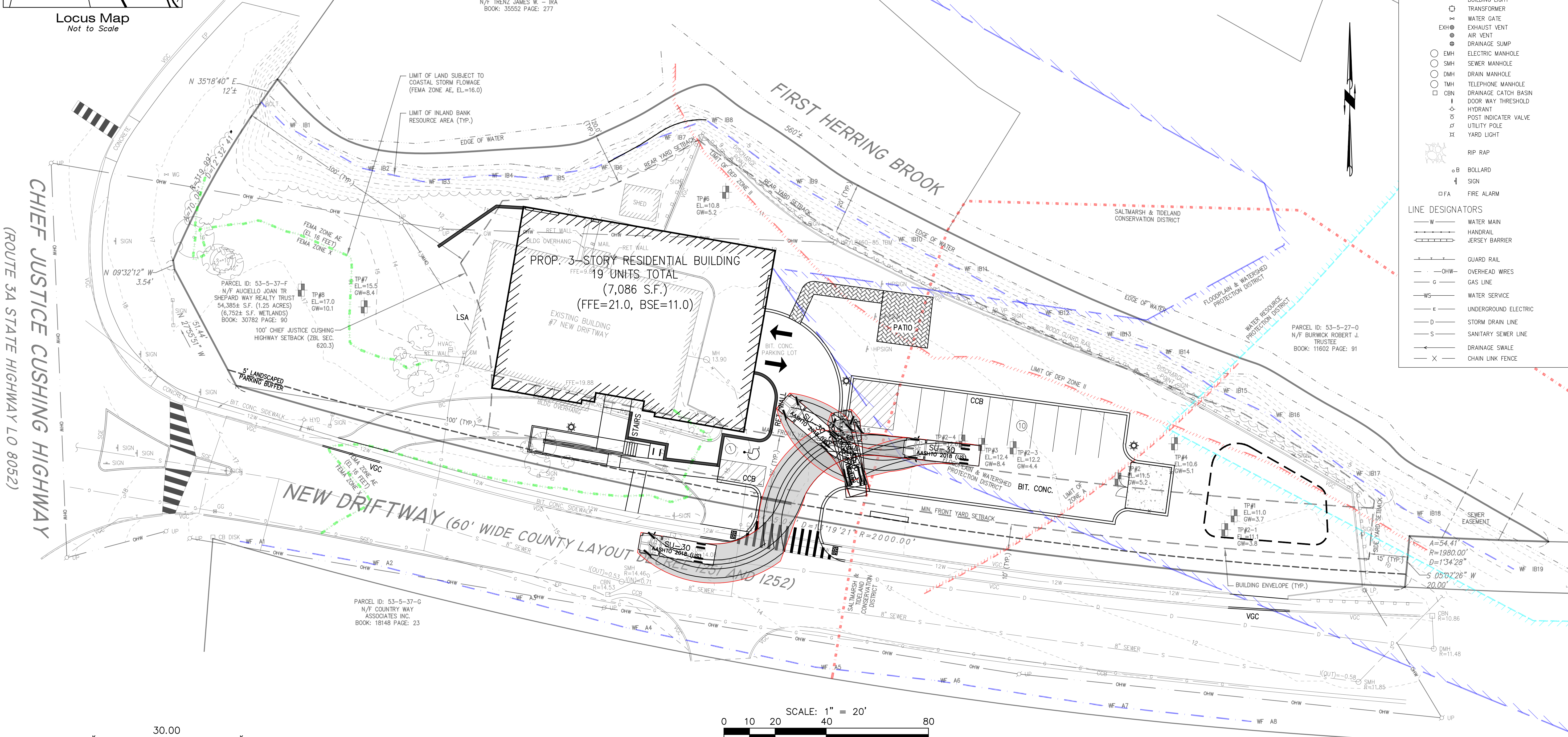
 BRADLEY C. MCKENZIE
 No. 36917
 REGISTERED PROFESSIONAL ENGINEER
 COMMONWEALTH OF MASSACHUSETTS

APPLICANT:
 DRIFT-WAY, LLC
 PO BOX 378
 TYNGSBORO, MA 01879

DRAWN BY:	ESS
DESIGNED BY:	ESS
CHECKED BY:	BCM
APPROVED BY:	BCM
DATE:	JULY 12, 2021
SCALE:	1"=20'
PROJECT NO.:	218-153
DWG. TITLE:	

TRUCK TURNING PLAN
 DWG. No: T-2

CHIEF JUSTICE CUSHING HIGHWAY
 (ROUTE 3A STATE HIGHWAY LD 8052)

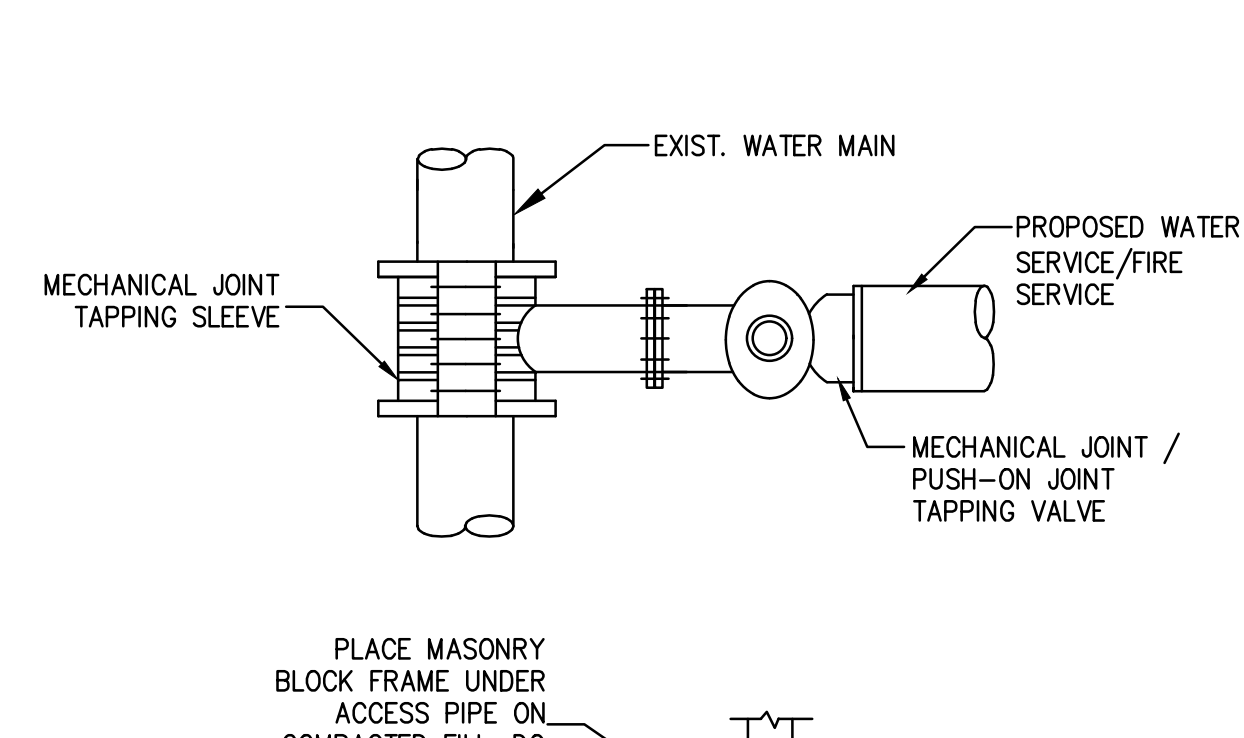
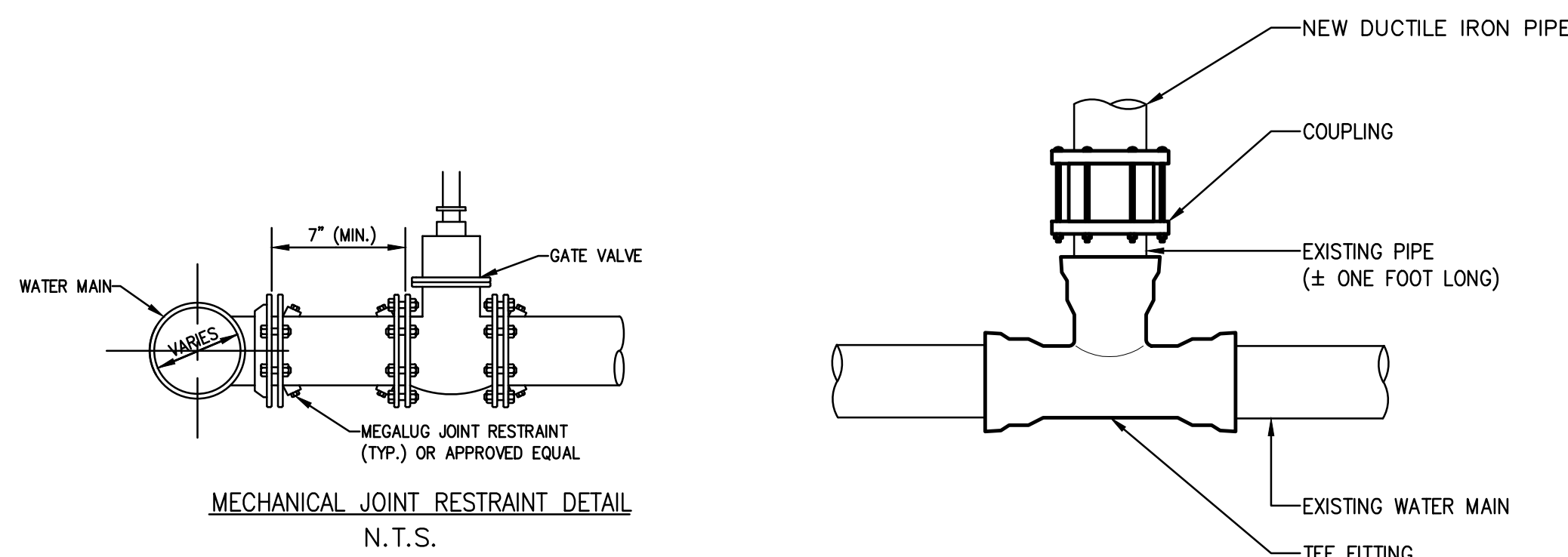


SU-30
 feet
 Width : 8.00
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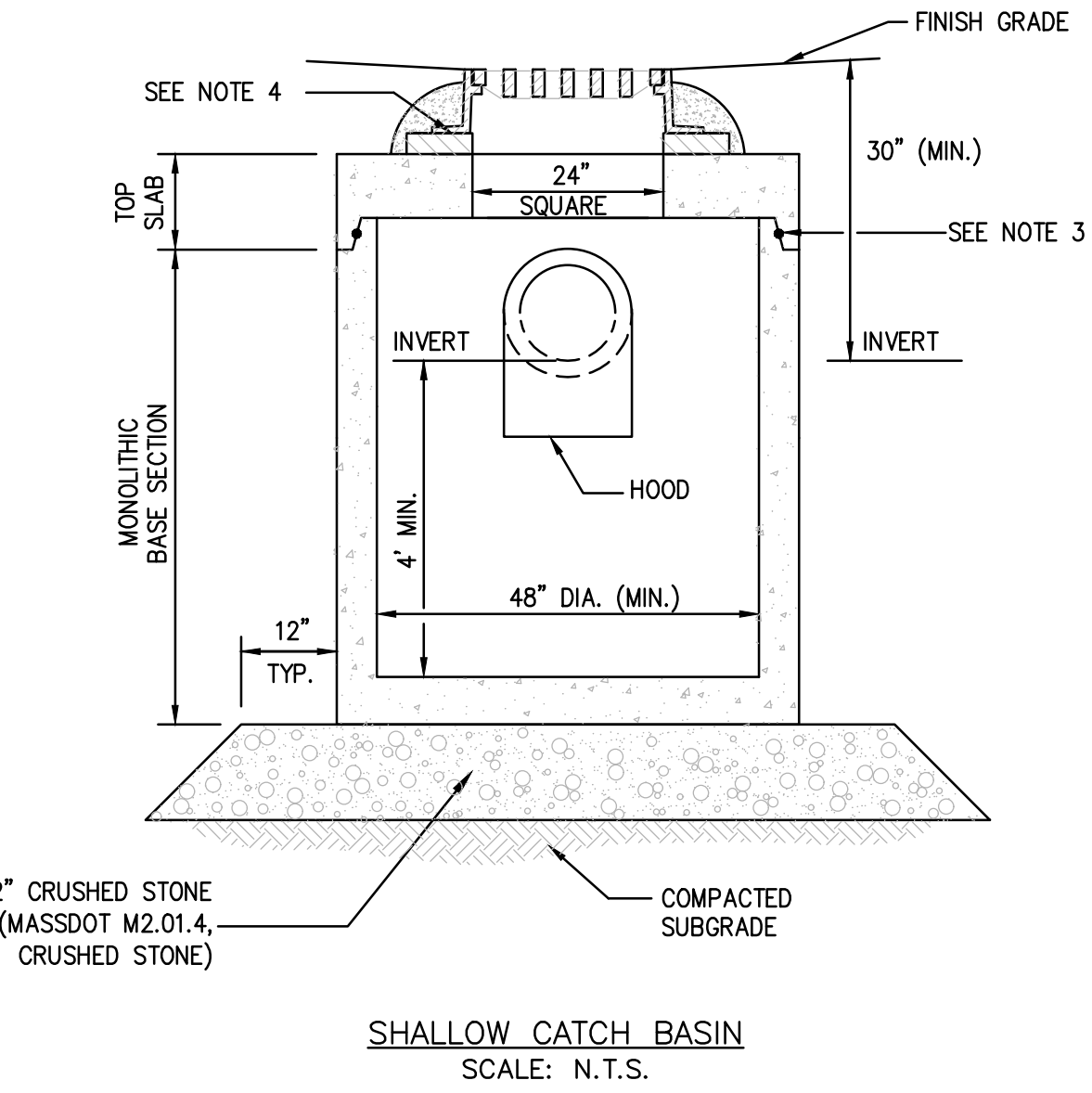
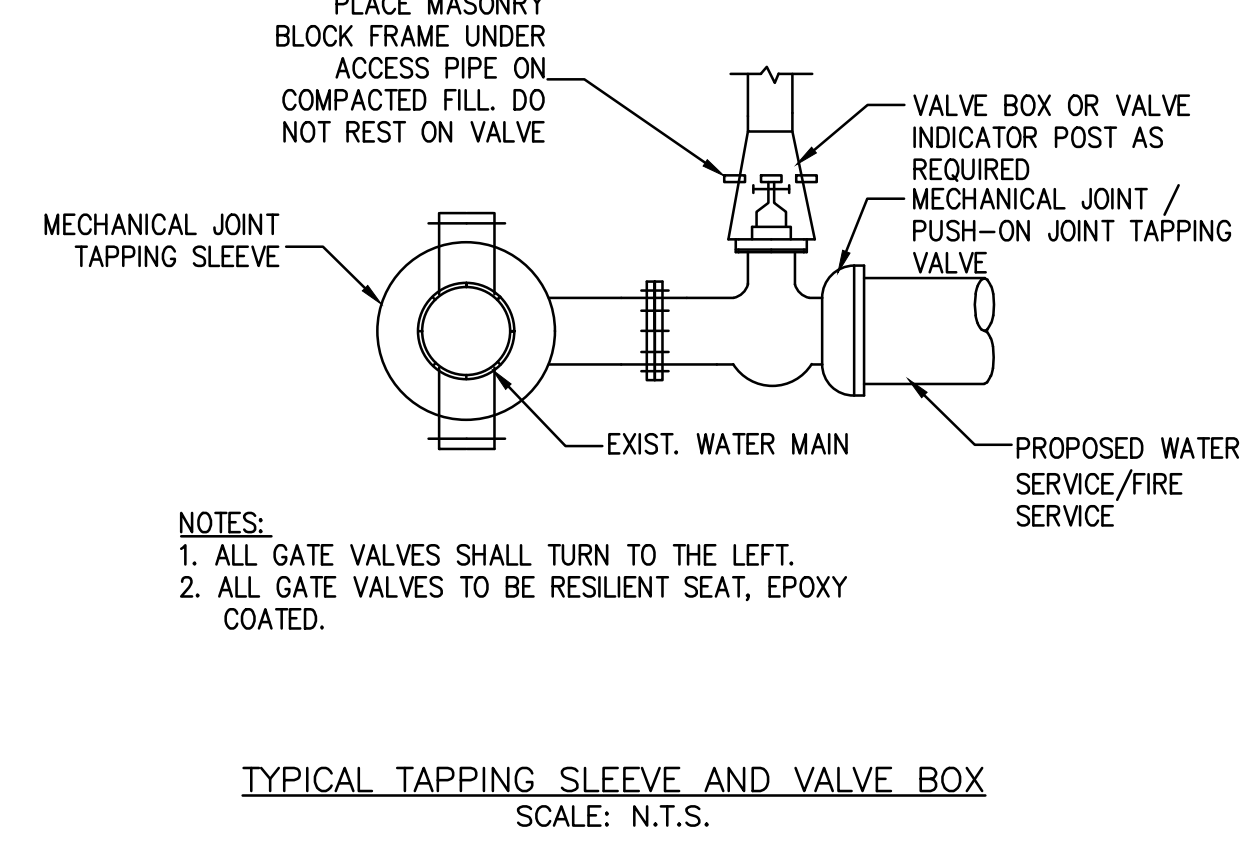
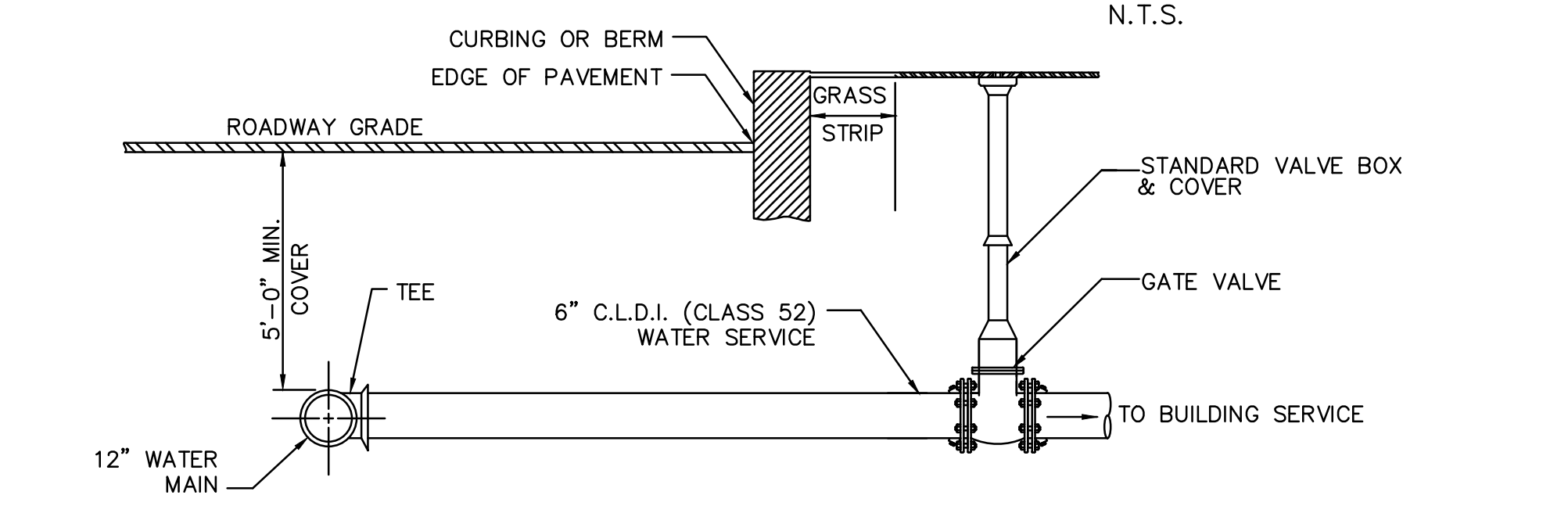
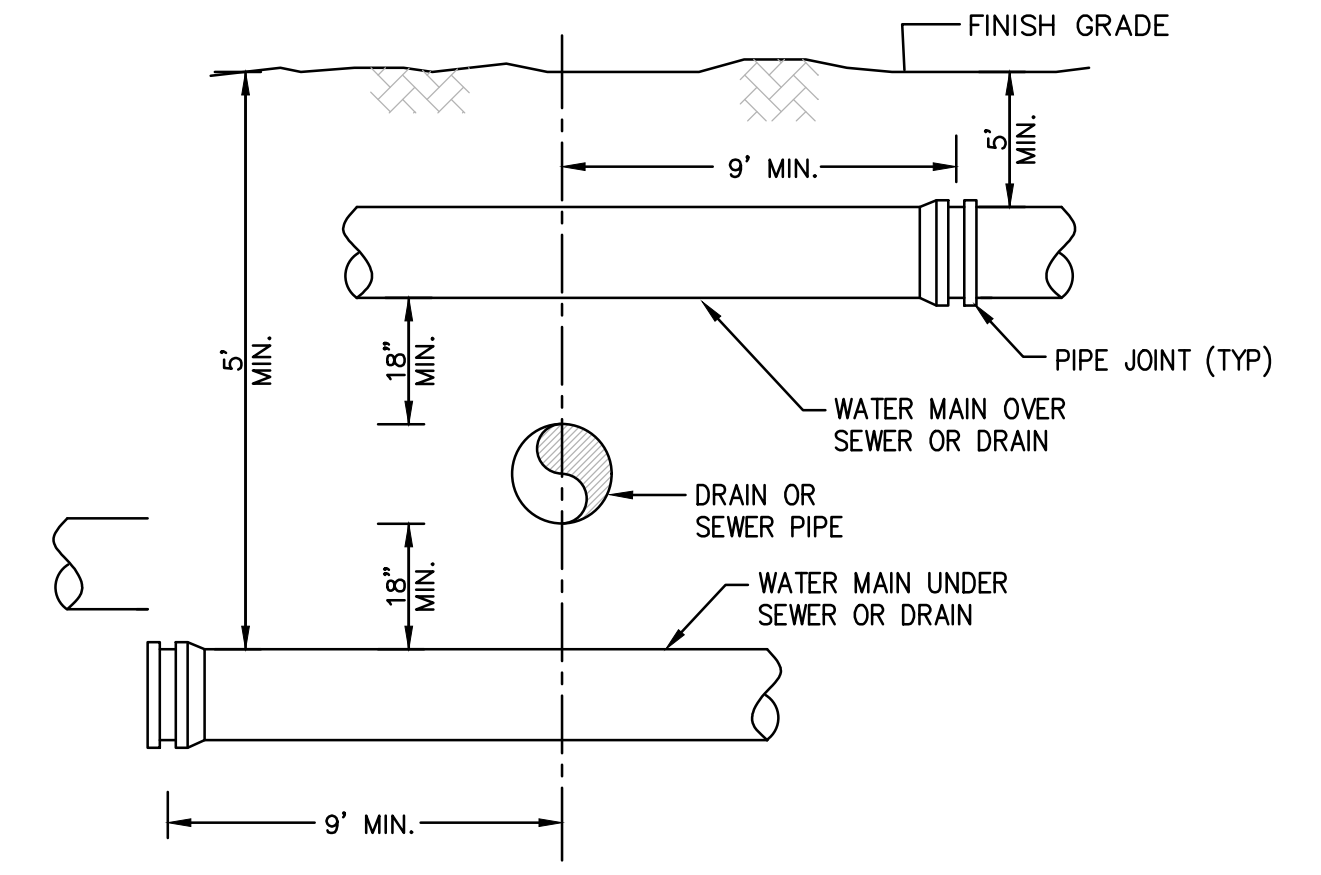
NOTE: LIMIT OF BUMPER OVERHANG IS SHOWN IN RED. VEHICLE WHEEL PATH IS SHOWN AS BLACK LINES.

APPROVAL BY SCITUATE PLANNING BOARD
 DATE OF ENDORSEMENT: _____

 SCITUATE PLANNING BOARD



- NOTES:
1. ALL SECTIONS SHALL BE DESIGNED FOR HS-20 LOADING.
 2. PROVIDE DOGHOUSE OPENING FOR PIPES WITH 2" MAX. CLEARANCE TO OUTSIDE OF PIPE. TOP SLAB SHALL NOT REST DIRECTLY ON PIPE. GROUT ALL PIPE CONNECTIONS (NON-SHRINK GROUT).
 3. JOINT SEALANT BETWEEN PRECAST SECTIONS SHALL BE PERFORMED BUTYL RUBBER.
 4. CATCH BASIN FRAME AND GRATE (4" DEPTH) SHALL BE SET IN FULL MORTAR BED.
 5. ADJUST TO FINISH GRADE WITH CLAY BRICK AND MORTAR AS REQUIRED.

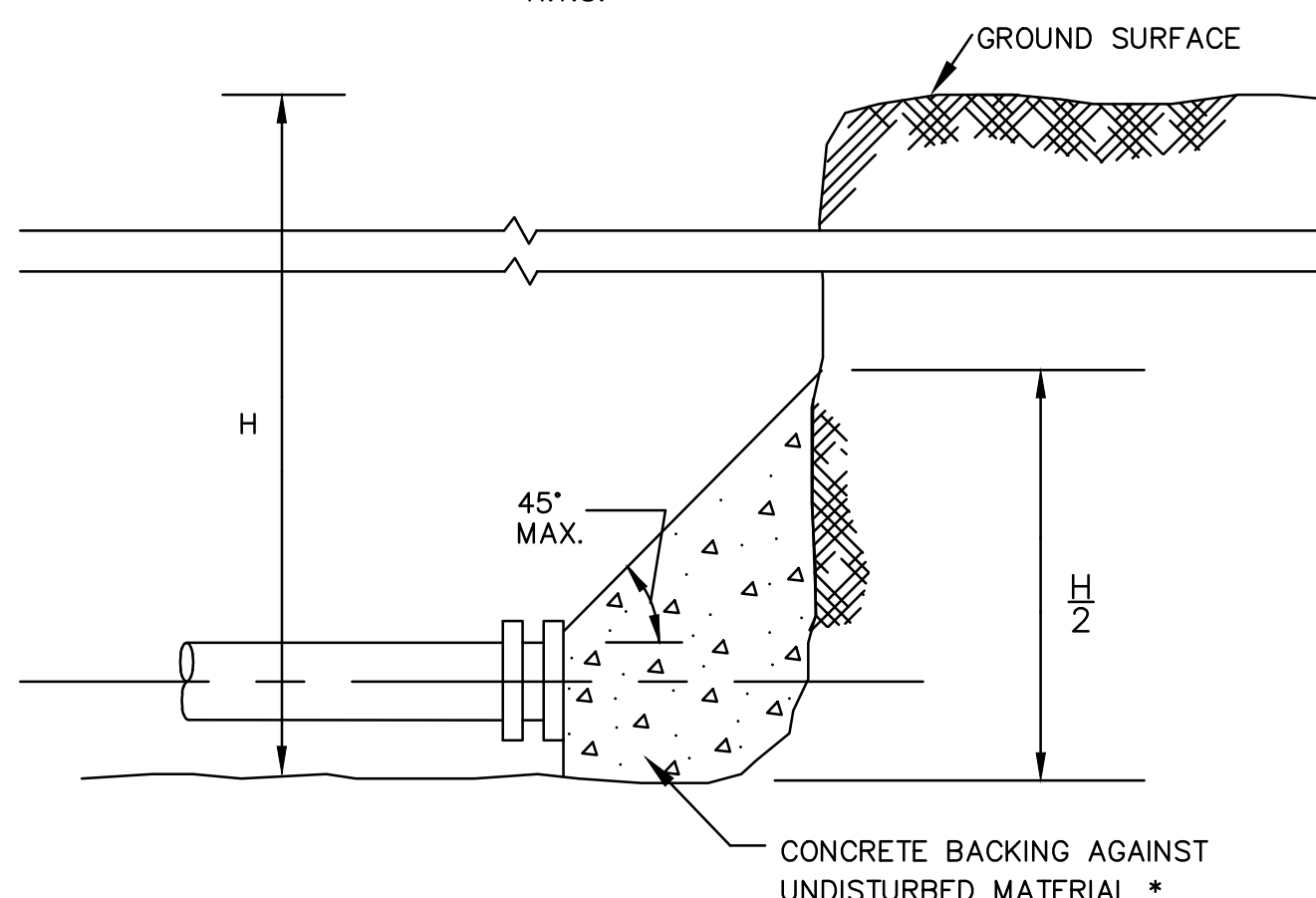


MAXIMUM SIZE TAPPED CONNECTION *

WATER MAIN DIAMETER	MAXIMUM TAP DIAMETER
4"	1/2"
6"	3/4"
8"	3/4"
12"	1"

NOTE: WHERE NO PAVED SIDEWALKS EXIST, CURB STOPS AND VALVE BOXES SHALL BE INSTALLED IN THE STREET.

* WHERE THE SIZE OF THE CONNECTION EXCEEDS THAT GIVEN IN THE TABLE A BOSS SHALL BE PROVIDED OR THE TAP SHALL BE MADE BY MEANS OF MULTIPLE CORP. STOPS AND BRANCH FITTINGS, TAPPED TEE, OR TAPPED SADDLE.

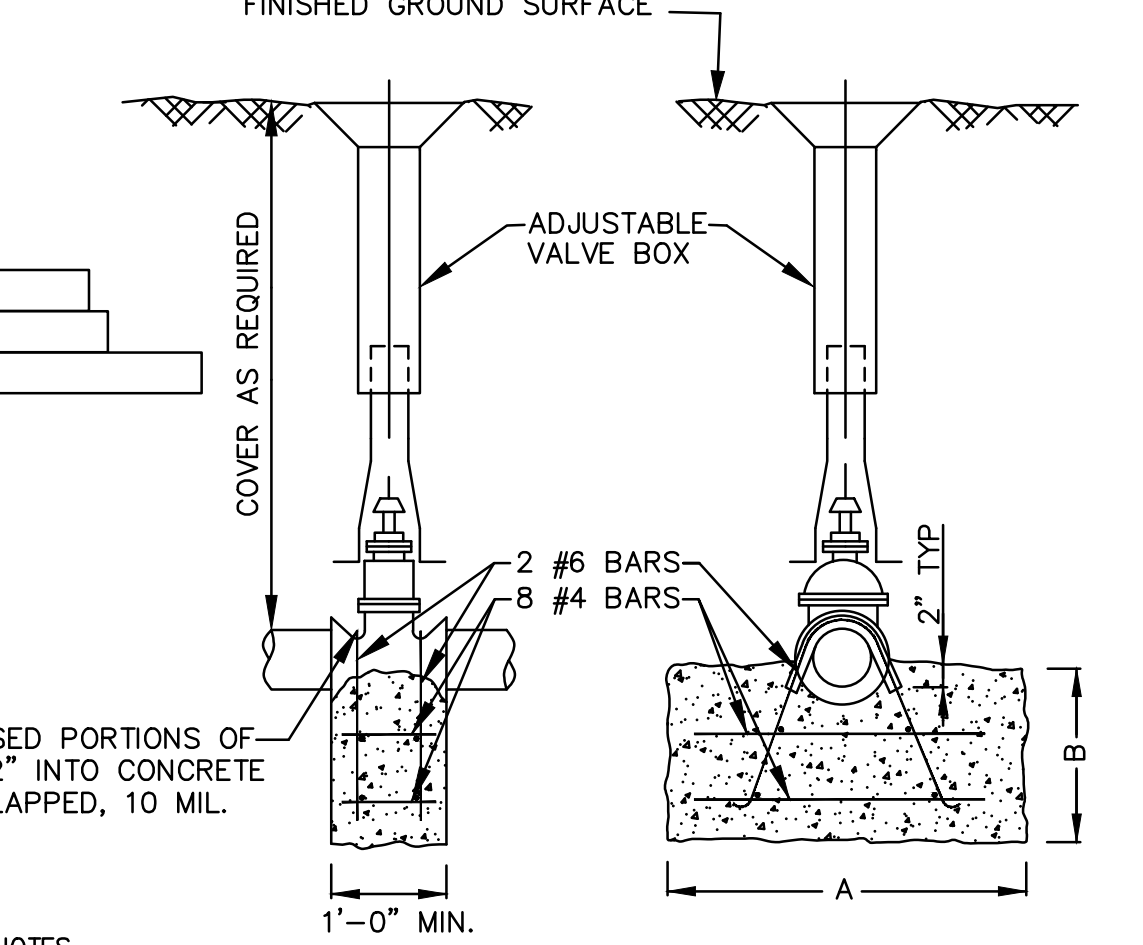
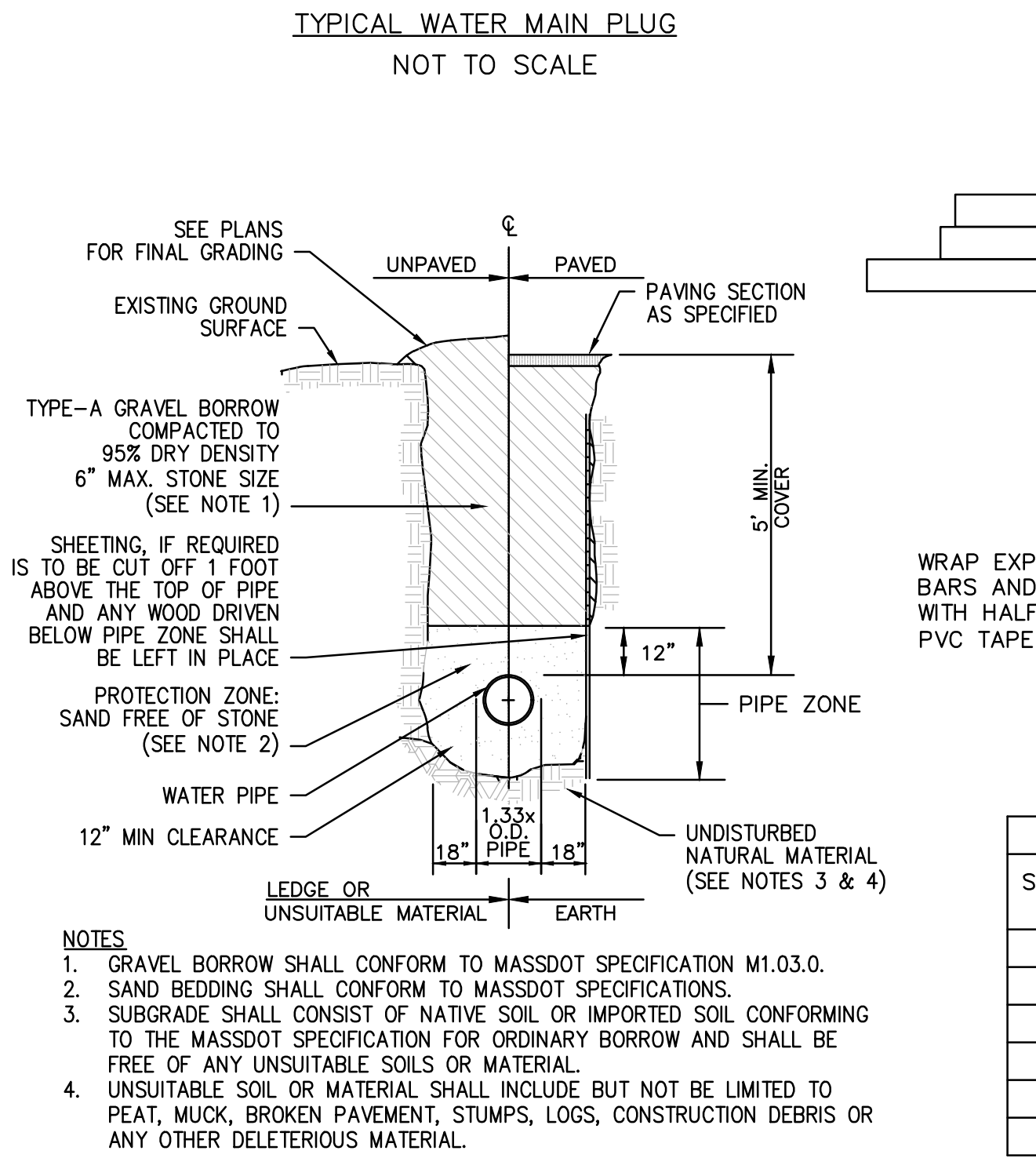


WATER SERVICE CONNECTION N.T.S.

GENERAL NOTES

ALL WATER MAIN MATERIALS AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE SCITUATE WATER DEPARTMENT RULES AND REGULATIONS.

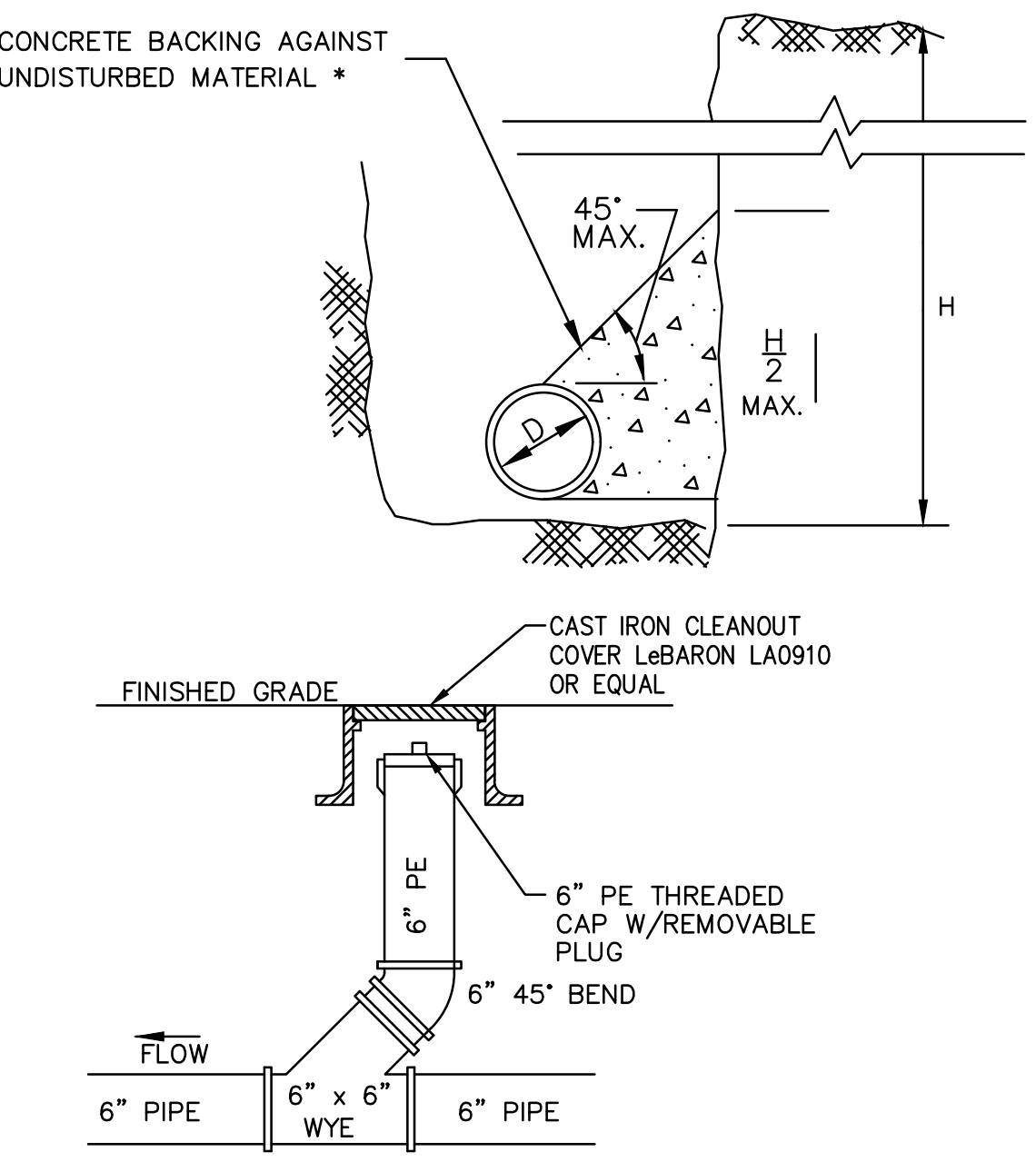
1. IF SHEETING IS USED, IT SHALL BE CUT OFF NO MORE THAN 12" ABOVE TOP OF PIPE.
2. ALL PIPES SHALL BE PRESSURE TESTED AT 150 PSI WORKING PRESSURE FOR A MINIMUM DURATION OF ONE HOUR.
3. WATER SYSTEM IS TO BE DISINFECTED TO 50 P.P.M. AVAILABLE CHLORINE AND AFTER 24 HOURS TO 25 P.P.M. OR AS REQUIRED BY SCITUATE WATER DEPARTMENT SUPERINTENDENT/ENGINEER.
4. WATER PIPE IS TO BE CEMENT LINED DUCTILE IRON "TYTON" OR EQUAL TYPE JOINT, CONFORMING TO A.N.S.I./A.W.W.A. C150/A21.50, CLASS 52, AS APPROVED BY THE SCITUATE WATER DEPARTMENT SUPERINTENDENT/ENGINEER.
5. ALL PIPING SHALL BE INSTALLED AND TESTED IN ACCORDANCE WITH A.W.W.A. STANDARDS PRIOR TO PAVING IF PAVING ABOVE TRENCH IS REQUIRED.
6. BACKFILL IS TO BE COMPACTED TO 90% MAXIMUM DRY DENSITY BY AASHTO T-180 D.
7. ALL WATER PIPE SHALL BE LAID WITH A MINIMUM OF 5 FEET OF COVER OF APPROVED MATERIALS.
8. ALL HYDRANT LOCATIONS ARE TO BE APPROVED BY FIRE DEPARTMENT.
9. RESULTS FROM PRESSURE TESTING AND DISINFECTION SHALL BE FURNISHED TO THE DIRECTOR OF PUBLIC WORKS FOR APPROVAL PRIOR TO WATER BEING TURNED ON.
10. ALL WORK SHALL BE IN CONFORMANCE WITH SCITUATE WATER DEPARTMENT STANDARDS.
11. ALL PERMITS REQUIRED FOR STREET OPENINGS AND WATER MAIN TAPPING MUST BE OBTAINED.
12. NO WATER WILL BE TURNED ON IN THE PROJECT WITHOUT SCITUATE WATER DEPARTMENT APPROVAL.



NOTES

1. FLANGES, BOLTS, & NUTS SHALL BE KEPT CLEAR OF CONCRETE
2. VALVES SHALL OPEN TO THE LEFT.

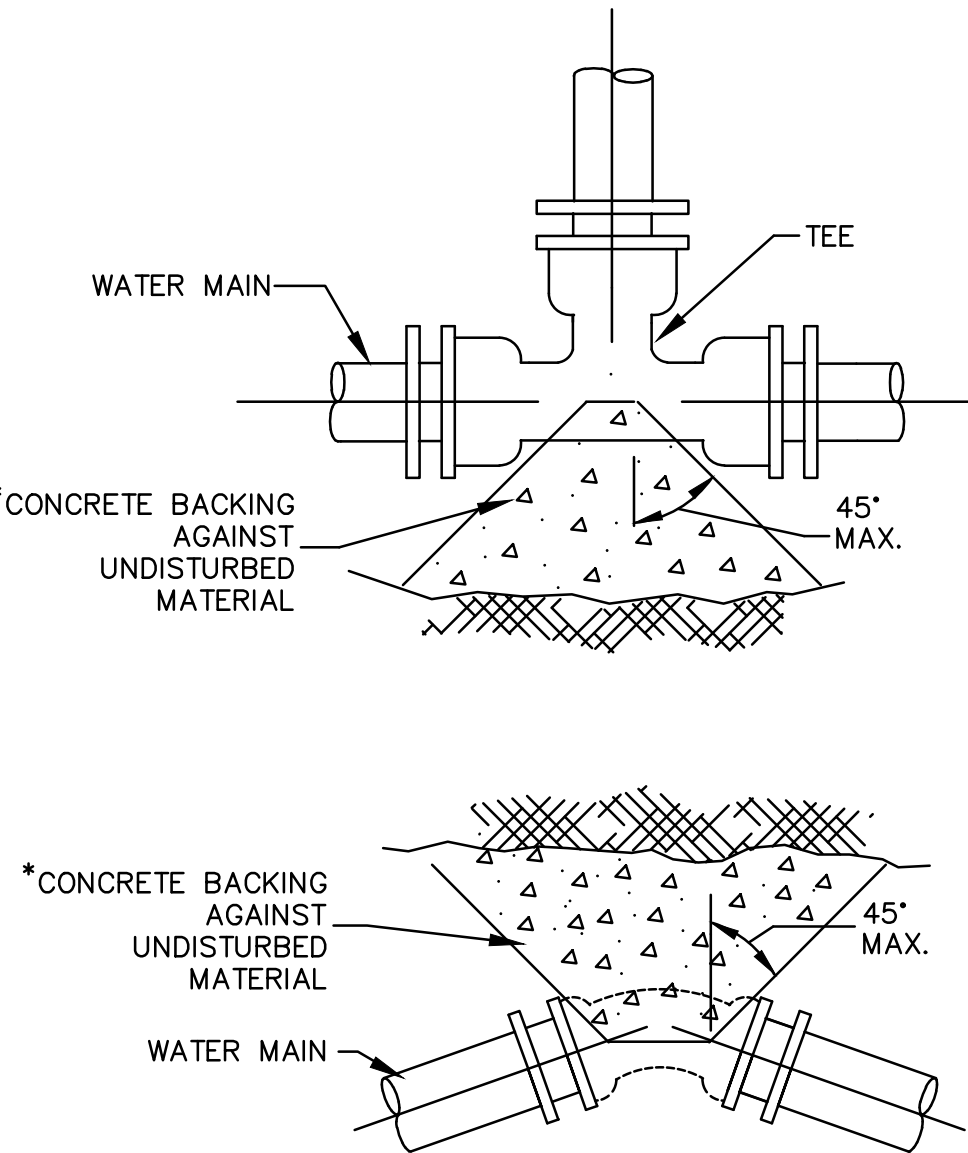
SIZE OF GATE VALVE	ANCHOR BLOCK DIMENSIONS (FT.)		
	A	B	
3"	1.5	1.5	2.0
4"	2.0	1.5	2.0
6"	3.0	1.5	2.0
8"	3.0	1.5	2.0
10"	3.0	2.0	2.5
12"	3.5	2.0	2.5



NOTE:

1. CLEANOUT SHOWN ABOVE IS FOR 6" PIPE. PROPOSED CLEANOUTS VARY IN SIZE AND THE APPURTENANCES SHALL ALSO VARY ACCORDINGLY.

CLEANOUT DETAIL SCALE: N.T.S.



* SEE THRUST BLOCK BEARING AREAS TABLE FOR THE AREA OF CONCRETE REQUIRED.

TYPICAL WATER MAIN THRUST BLOCK DETAILS NOT TO SCALE

THRUST BLOCK BEARING AREAS FOR WATER PIPE

TABLE OF BEARING AREAS IN SQ. FT. AGAINST UNDISTURBED MATERIAL FOR WATER MAIN FITTINGS*			
SIZE OF MAIN (IN.)	90° BEND	TEES AND PLUGS	45° BEND
6	4	2.5	2
8	6	4	3
12	12	9	7
16	21	16	12

- * TYPE OF SOIL IS MEDIUM CLAYEY, 6 OR MORE BLOWS PER FOOT, OR LOOSE GRANULAR, 9 OR MORE BLOWS PER FOOT. SOIL CONDITIONS OTHER THAN THOSE GIVEN WILL REQUIRE LARGER BEARING AREAS.
- NOTES:
1. FOR FITTINGS WITH LESS THAN 45 DEFLECTION, USE BEARING AREAS FOR 45 BEND.
 2. BEARING AREAS BASED ON HORIZONTAL PASSIVE SOIL PRESSURE OF 2000 P.S.F. AND INTERNAL WATER PRESSURE OF 150 P.S.I.G. JOINTS SHALL NOT BE ENCASED IN CONCRETE. BEARING AREAS MAY BE DREGARDED FOR TRENCHES IN ROCK WHERE THE TOP OF THE ROCK FACE IS AT OR ABOVE THE CROWN OF THE PIPE. HOWEVER, CONCRETE BACKING SHALL BE PLACED BETWEEN THE PIPE AND THE ROCK FACE.
 3. THE CONTRACTOR SHALL SUBMIT 2 WEEKS IN ADVANCE OF PLACEMENT, WORKING DRAWINGS FOR EACH THRUST BLOCK TO THE ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.
 4. ALL TEES, GATE VALVES, HYDRANTS AND FITTINGS SHALL BE MECHANICAL JOINTS WITH MEGA-LUGS.
 5. THRUST BLOCKS SHALL BE BARREL BLOCKS.

REV	DATE	DESCRIPTION	BY	APP
1	5/9/22	PEER REVIEW	ESS	BCM
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SITE DEVELOPMENT PLAN
 (ASSESSOR'S MAP 69, BLOCK 5, LOT 37F)
 7 NEW DRIFTWAY
 SCITUATE, MASSACHUSETTS

PROFESSIONAL ENGINEER:

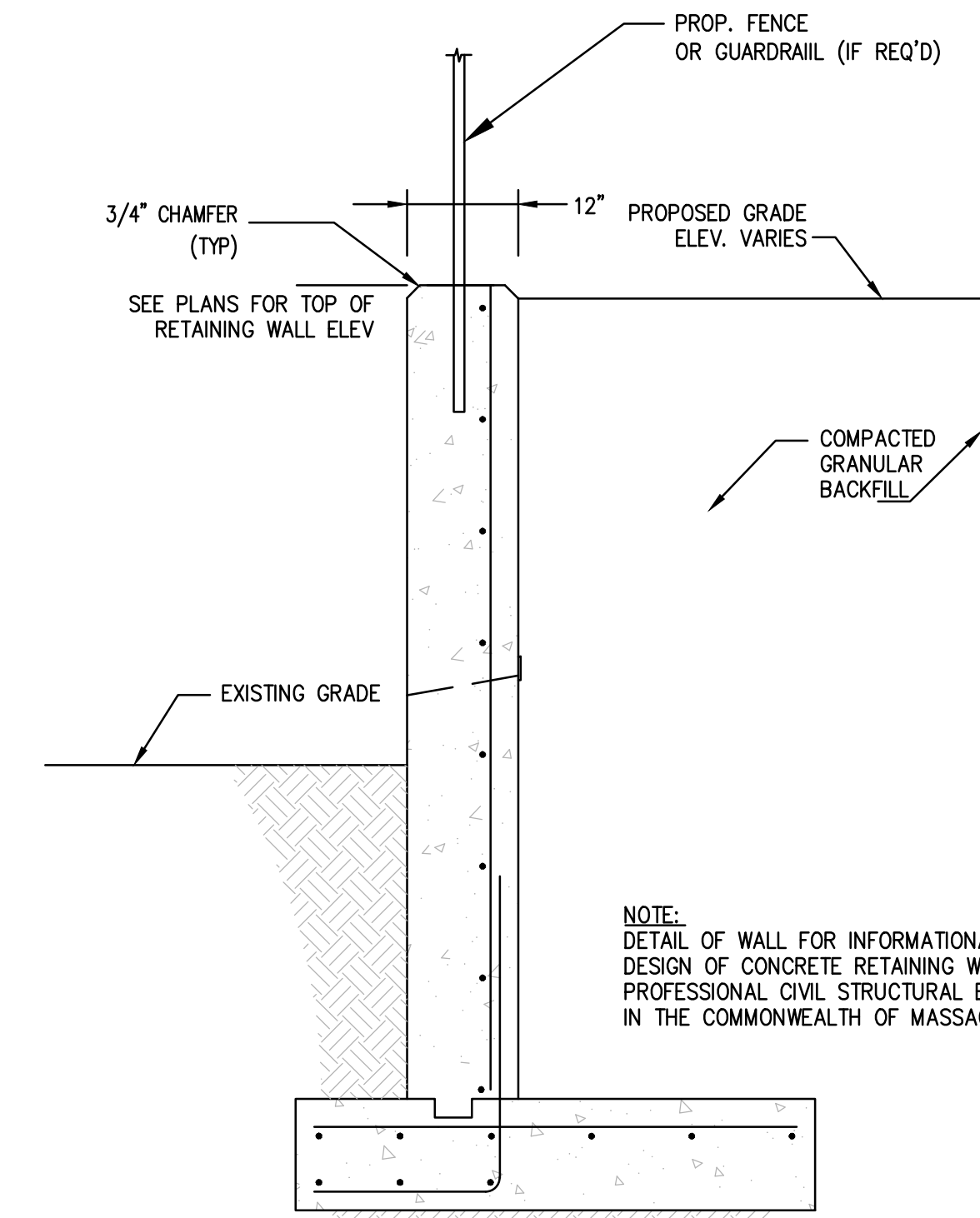
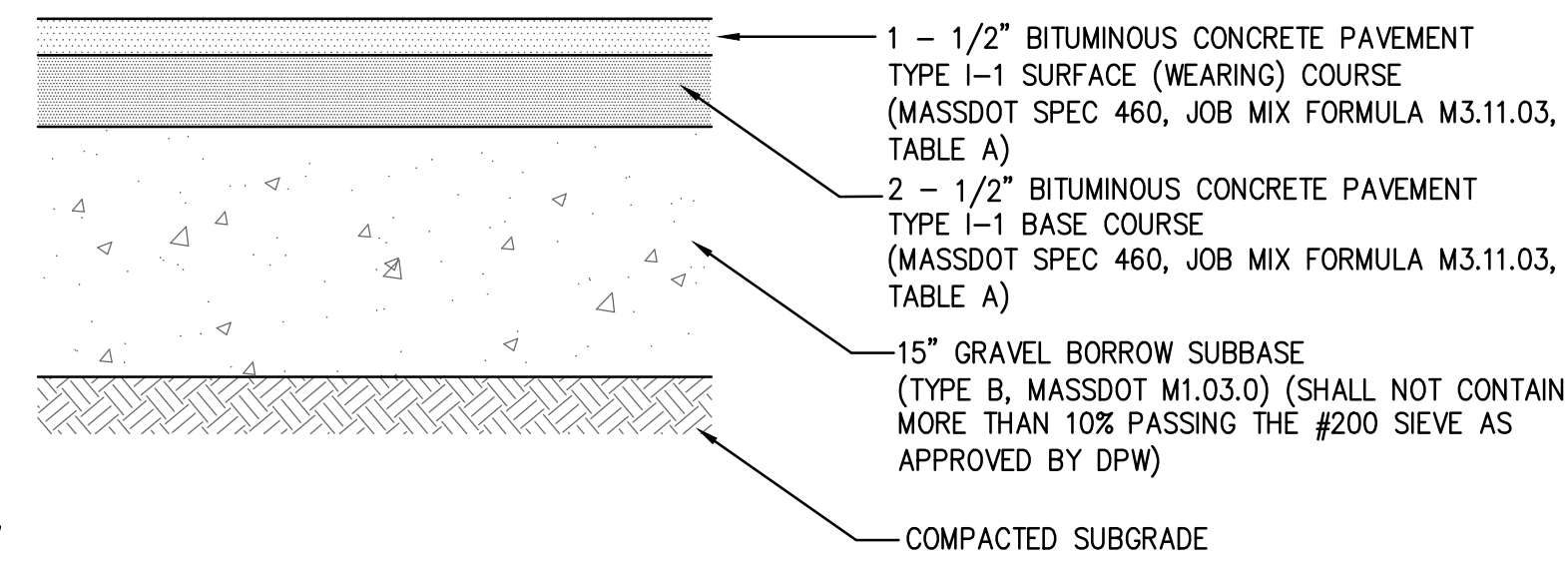
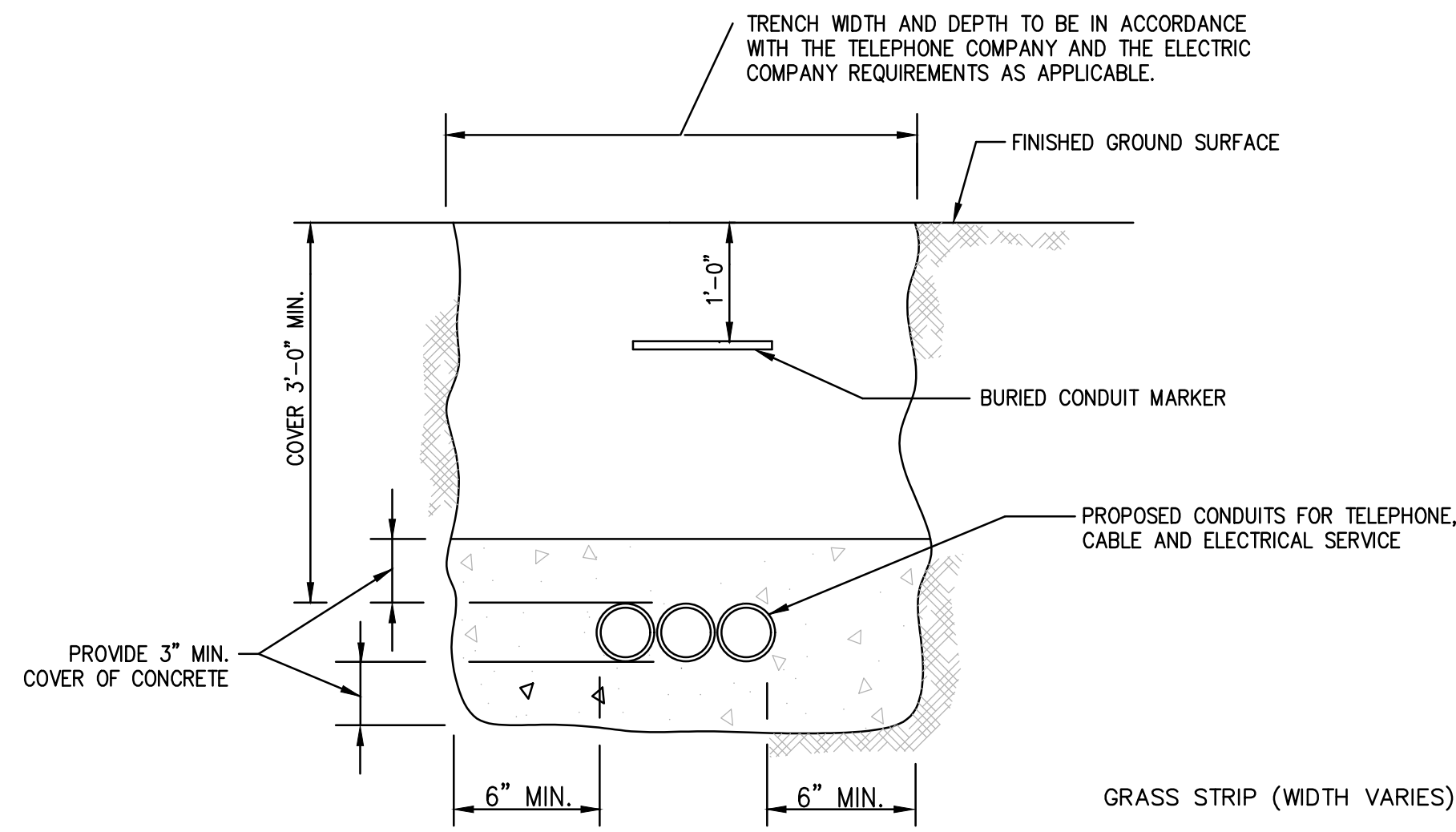
 BRADLEY C. MCKENZIE
 CIVIL
 No. 36917

APPLICANT:
 DRIFT-WAY, LLC
 PO BOX 378
 TYNGSBORO, MA 01879

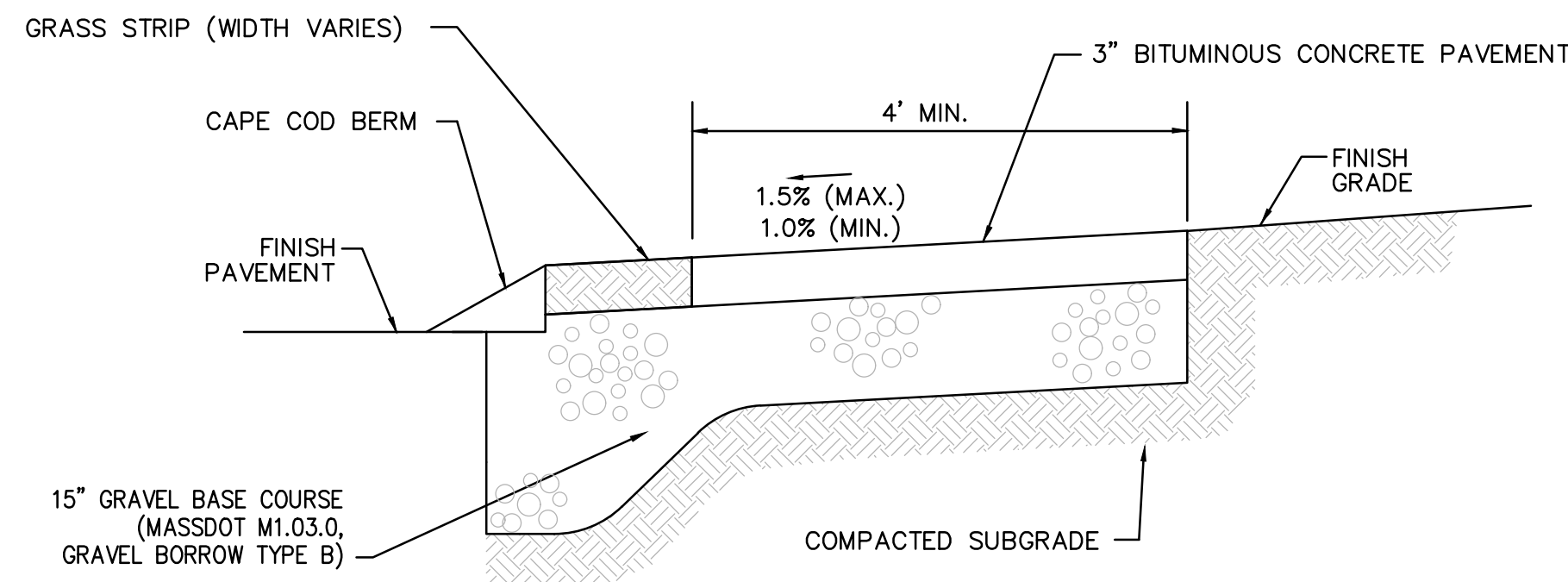
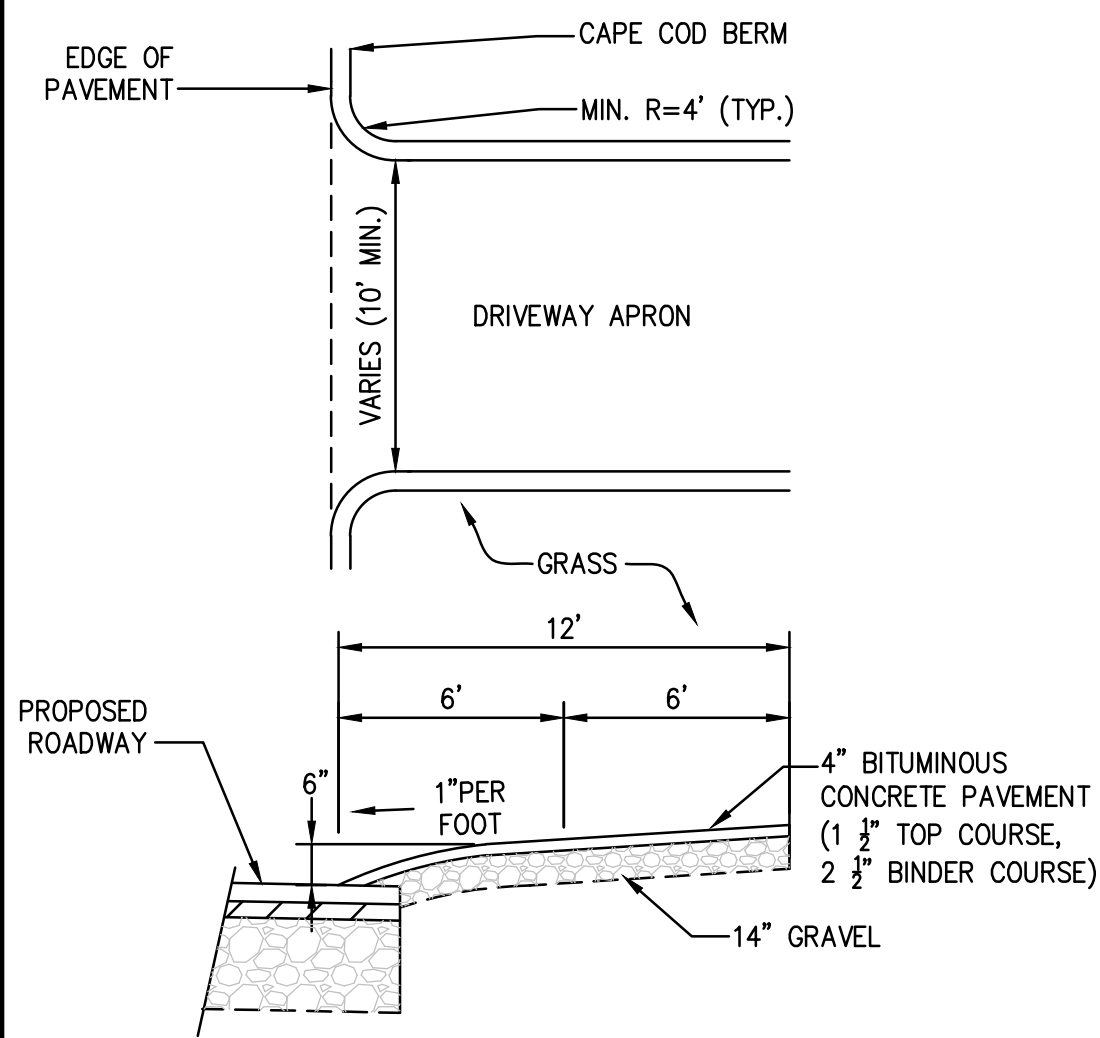
DRAWN BY: ESS
 DESIGNED BY: ESS
 CHECKED BY: BCM
 APPROVED BY: BCM
 DATE: JULY 12, 2021
 SCALE:
 PROJECT NO.: 218-153
 DWG. TITLE:
CONSTRUCTION DETAILS
 DWG. NO.: **D-1**

APPROVAL BY SCITUATE PLANNING BOARD
 DATE OF ENDORSEMENT: _____

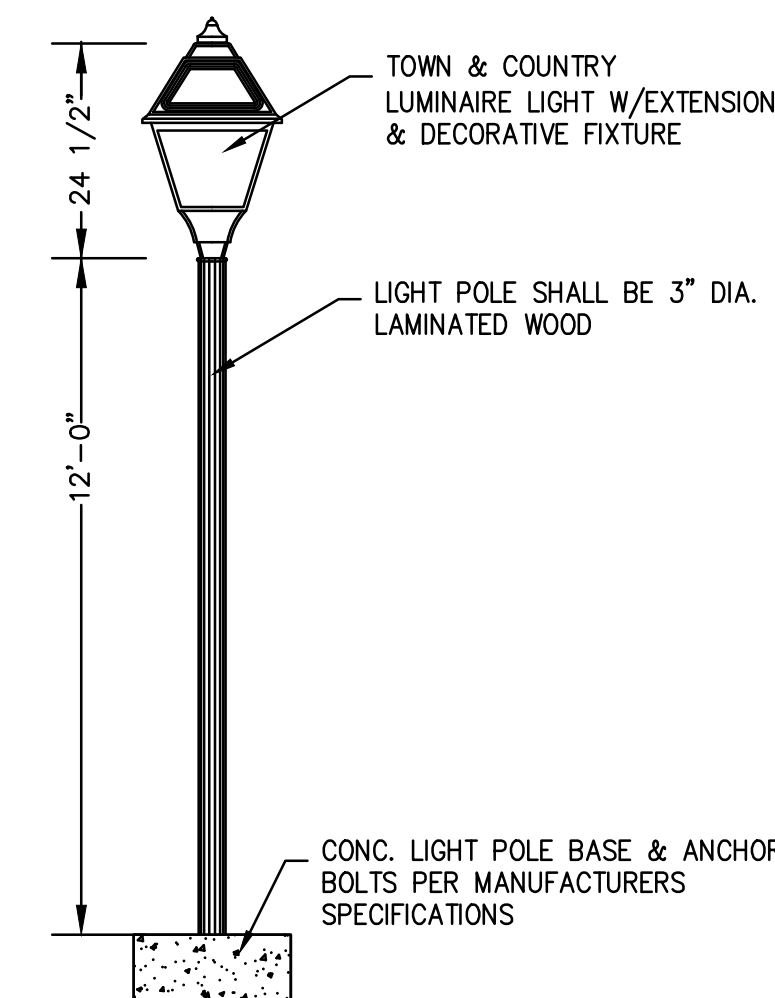
 SCITUATE PLANNING BOARD



NOTE: DETAIL OF WALL FOR INFORMATIONAL PURPOSES ONLY. DESIGN OF CONCRETE RETAINING WALL SHALL BE BY A PROFESSIONAL CIVIL STRUCTURAL ENGINEER REGISTERED IN THE COMMONWEALTH OF MASSACHUSETTS

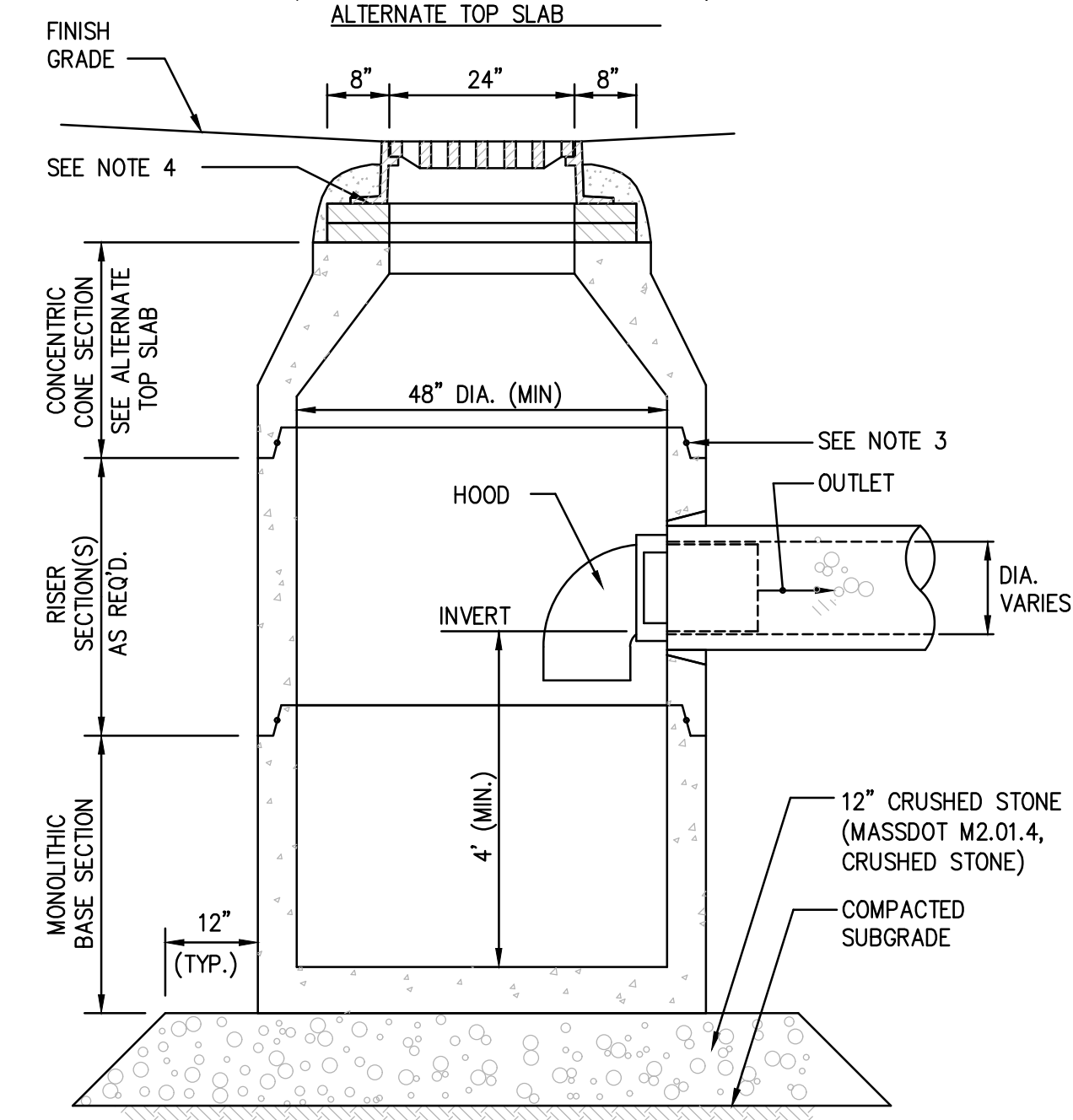
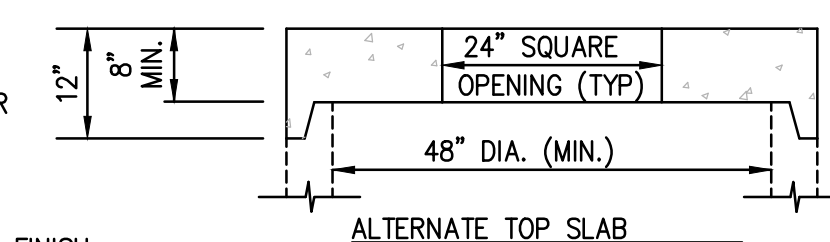


- NOTES
1. ALL WORK SHALL COMPLY WITH TOWN OF SCITUATE SPECIFICATION FOR BITUMINOUS CONCRETE SIDEWALKS. LATEST REVISION.
 2. SUBGRADE SHALL CONSIST OF NATIVE SOIL OR IMPORTED SOIL CONFORMING TO MASSDOT SPECIFICATION FOR ORDINARY BORROW AND SHALL BE FREE OF ANY UNSUITABLE MATERIALS.

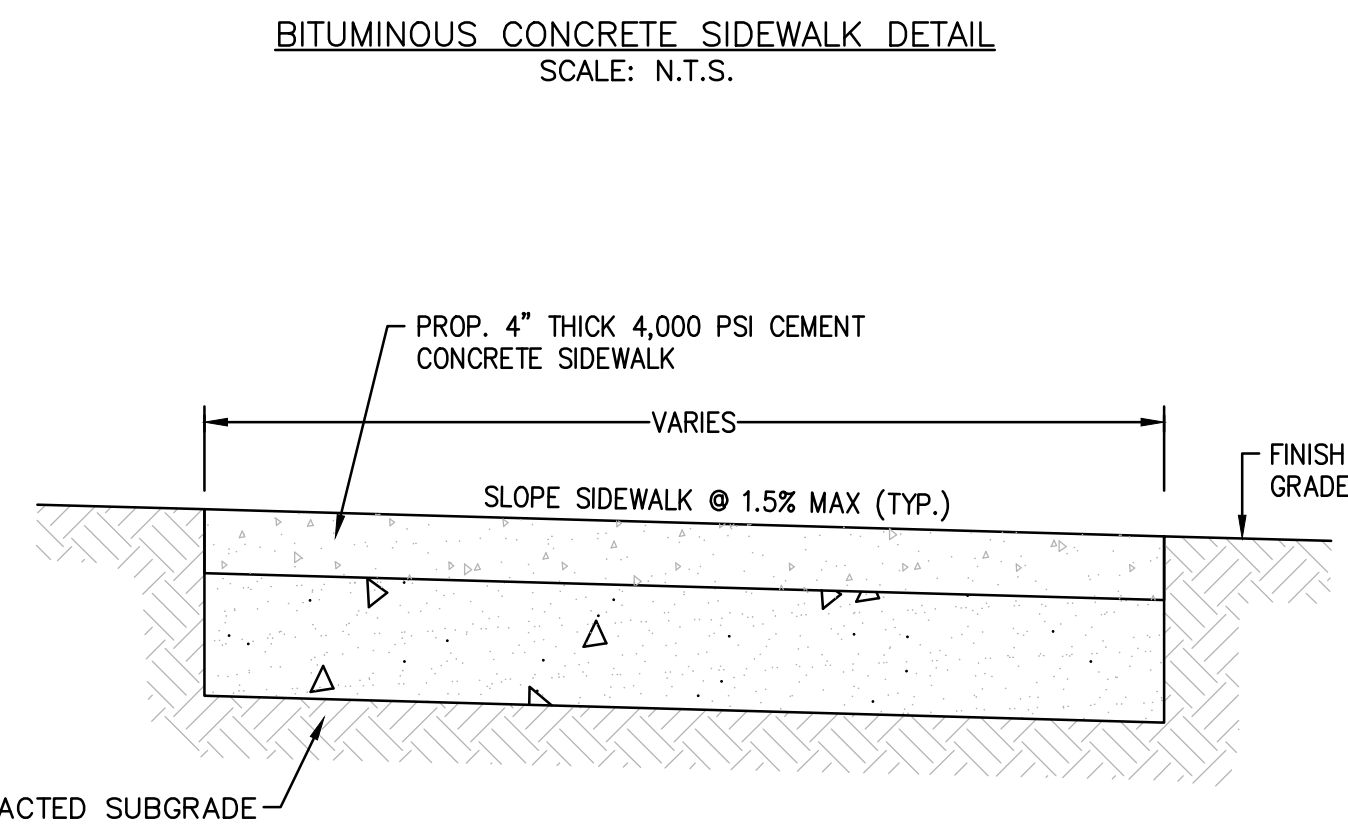
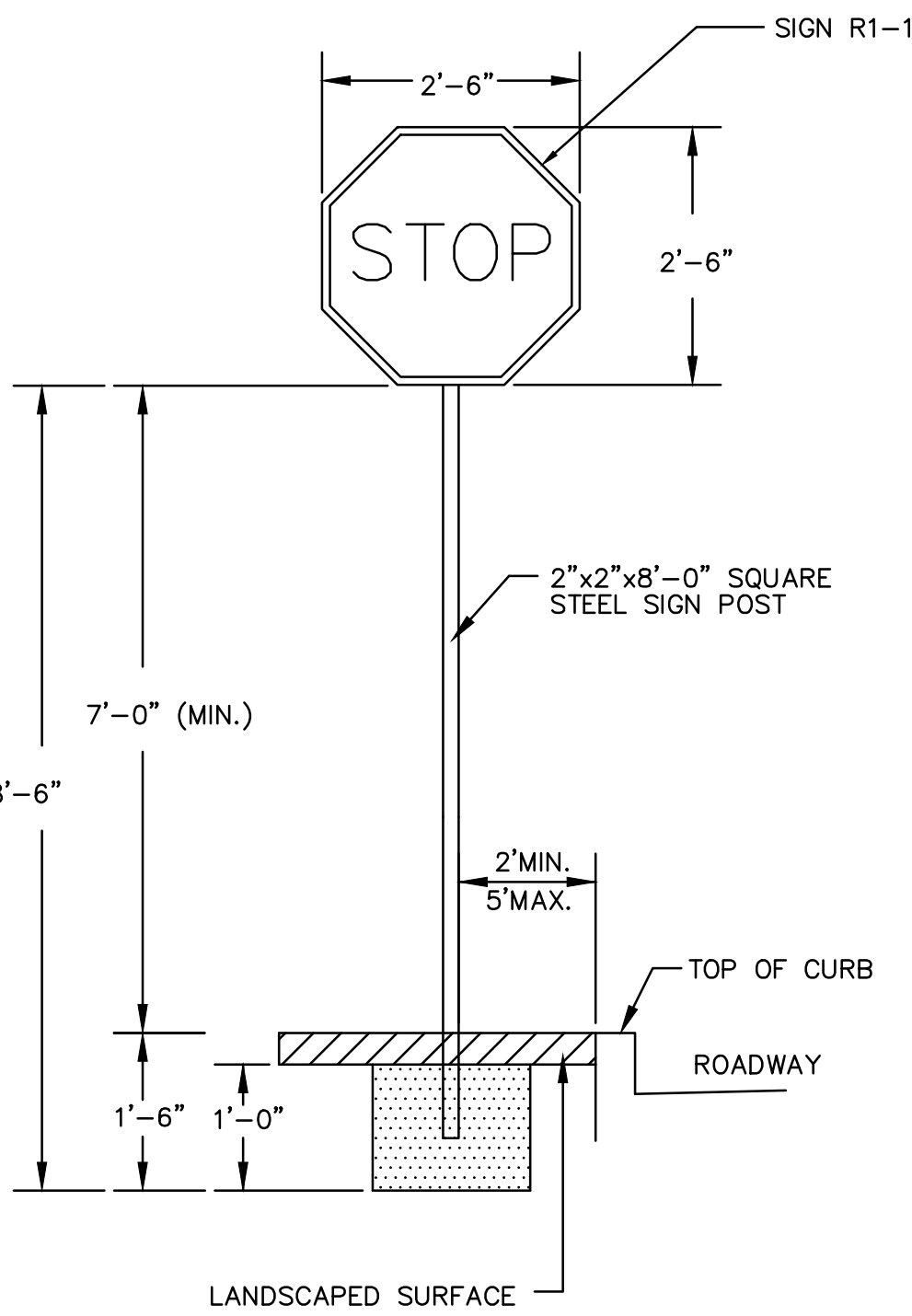
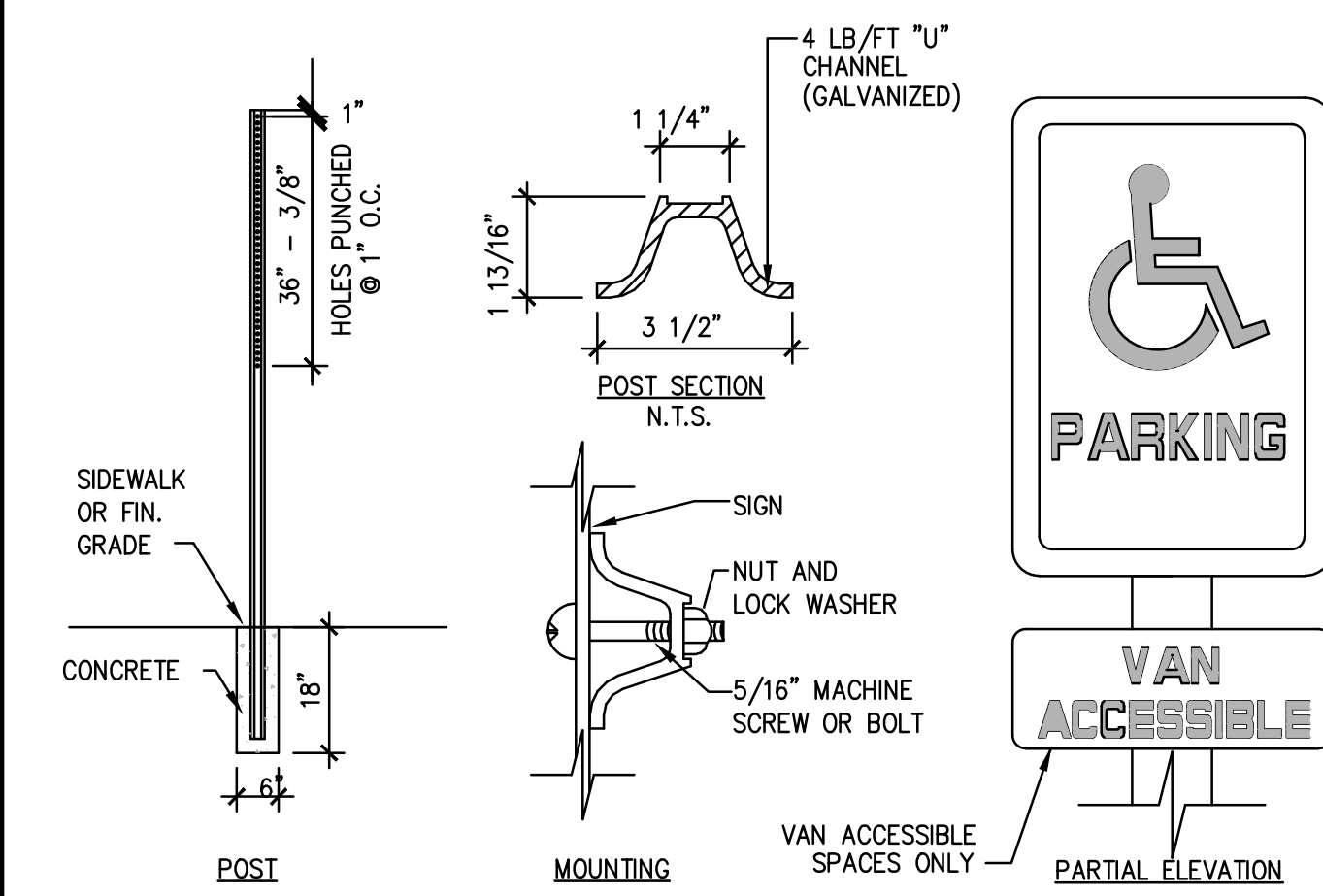


- NOTE: ALL LIGHT BULBS SHALL BE DARK-SKY COMPLIANT AND REFLECTED DOWN TO PREVENT LIGHT POLLUTION.

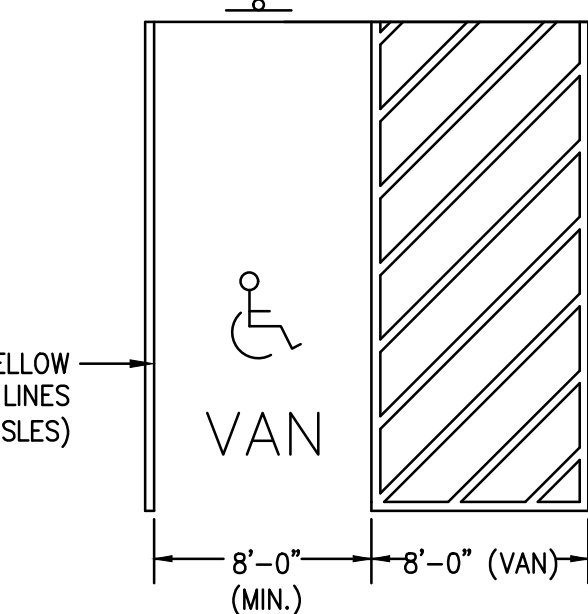
- NOTES:
1. ALL SECTIONS SHALL BE DESIGNED FOR HS-20 LOADING.
 2. PROVIDE "V" KNOCKOUTS FOR PIPES WITH 2" MAX. CLEARANCE TO OUTSIDE OF PIPE. MORTAR ALL PIPE CONNECTIONS.
 3. JOINT SEALANT BETWEEN PRECAST SECTIONS SHALL BE PREFORMED BUTYL RUBBER.
 4. CATCH BASIN FRAME AND GRATE SHALL BE SET IN FULL MORTAR BED. ADJUST TO GRADE WITH CLAY BRICK AND MORTAR (2 BRICK COURSES TYPICALLY, 5 BRICK COURSES MAXIMUM)



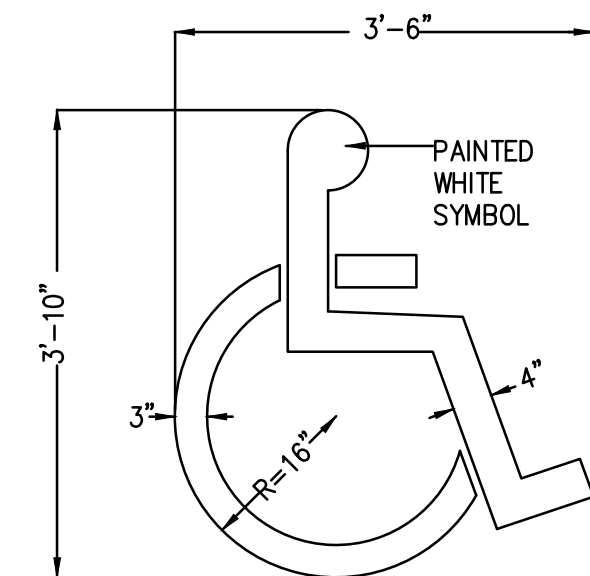
CATCH BASIN W/HOOD SCALE: N.T.S.



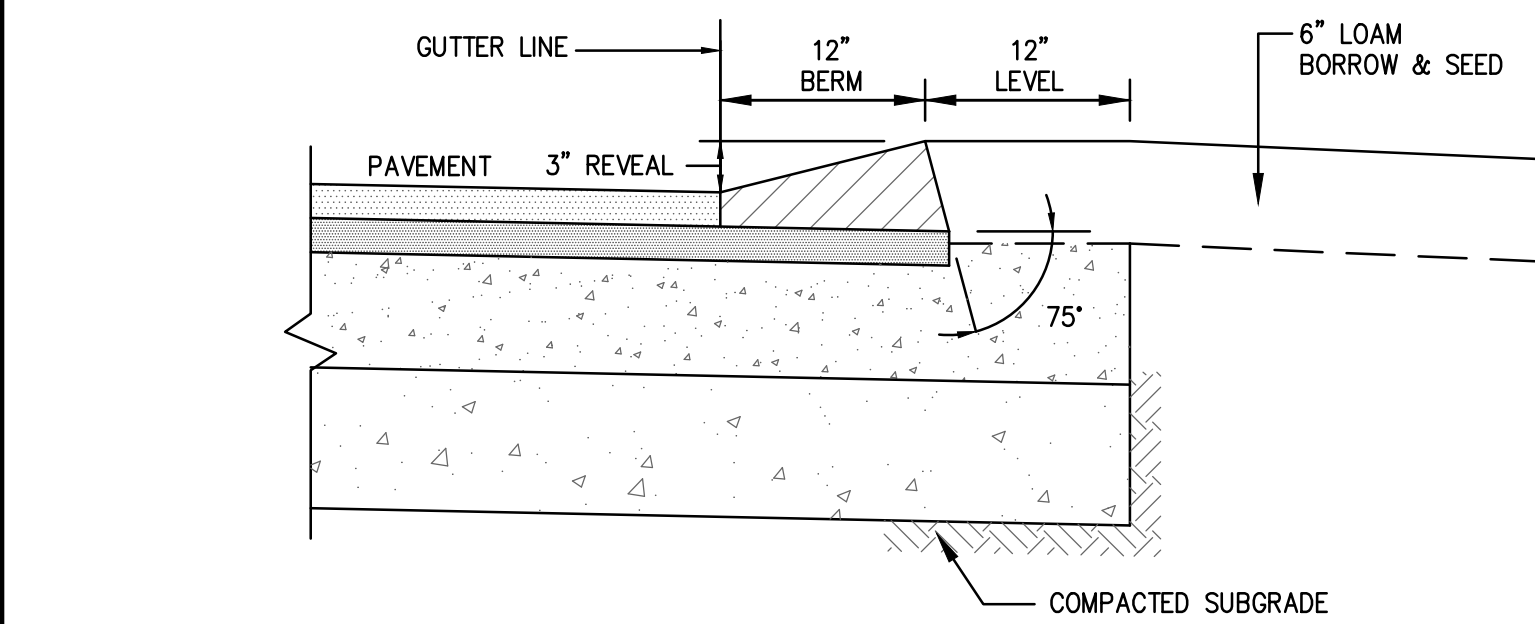
- NOTES
1. ALL WORK SHALL COMPLY WITH TOWN OF SCITUATE SPECIFICATION FOR PORTLAND CEMENT CONCRETE SIDEWALKS. LATEST REVISION.
 2. SUBGRADE SHALL CONSIST OF NATIVE SOIL OR IMPORTED SOIL CONFORMING TO MASSDOT SPECIFICATION FOR ORDINARY BORROW AND SHALL BE FREE OF ANY UNSUITABLE MATERIALS.
 3. PROP. 6" THICK 4,000 PSI CEMENT CONCRETE AT ALL DRIVEWAYS AND ACCESSIBLE RAMPS.
 4. ALL CONCRETE SHALL BE BROOM FINISHED WITHOUT TOOLING MARKS.



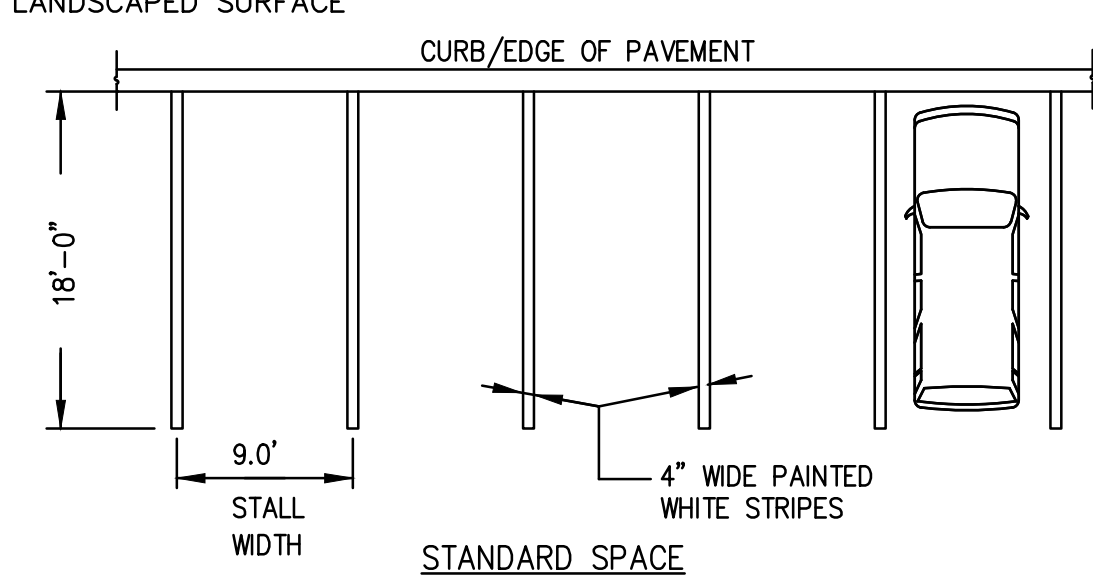
HANDICAP PARKING STALL DETAIL SCALE: N.T.S.



PAINTED HANDICAP SYMBOL DETAIL SCALE: N.T.S.



MONOLITHIC BITUMINOUS CONCRETE BERM (CAPE COD BERM) DETAIL SCALE: N.T.S.



TYPICAL STRIPING DETAILS SCALE: N.T.S.

REV	DATE	DESCRIPTION
1	5/9/22	ESS BCM
2	6/27/22	PEER REVIEW
3	8/7/22	PEER REVIEW

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SITE DEVELOPMENT PLAN
 (ASSESSORS MAP 53, BLOCK 5, LOT 37F)
 7 NEW DRIFTWAY
 SCITUATE, MASSACHUSETTS

PROFESSIONAL ENGINEER:



APPLICANT:
 DRIFT-WAY, LLC
 PO BOX 378
 TYNGSBORO, MA 01879

DRAWN BY: ESS
 DESIGNED BY: ESS
 CHECKED BY: BCM
 APPROVED BY: BCM
 DATE: JUNE 22, 2021
 SCALE:
 PROJECT NO.: 218-153
 DWG. TITLE:

CONSTRUCTION
 DETAILS

DWG. NO:

D-2

SEEDING SPECIFICATIONS

SEEDING RECOMMENDATIONS

1. SEEDBED PREPARATION

- A. SURFACE AND SEEPAGE WATER SHOULD BE DRAINED OR DIVERTED FROM THE SITE TO PREVENT DROWNING OR WINTER KILLING OF THE PLANTS.
- B. STONES LARGER THAN FOUR INCHES AND TRASH SHOULD BE REMOVED BECAUSE THEY INTERFERE WITH SEEDING AND FUTURE MAINTENANCE OF THE AREA. WHERE FEASIBLE, THE SOIL SHOULD BE TILLED TO A DEPTH OF ABOUT FOUR INCHES TO PREPARE A SEEDBED AND MIX FERTILIZER AND LIME INTO THE SOIL. THE SEEDBED SHOULD BE LEFT IN A REASONABLY FIRM AND SMOOTH CONDITION. THE LAST TILLAGE OPERATION SHOULD BE PERFORMED ACROSS THE SLOPE WHEREVER PRACTICAL.

2. ESTABLISHING A STAND

- A. LIME AND FERTILIZER SHOULD BE APPLIED PRIOR TO OR AT THE TIME OF SEEDING AND INCORPORATED INTO THE SOIL. KINDS AND AMOUNTS OF LIME AND FERTILIZER SHOULD BE BASED ON EVALUATION OF SOIL TESTS. WHEN A SOIL TEST IS NOT AVAILABLE, THE FOLLOWING MINIMUM AMOUNTS SHOULD BE APPLIED.

AGRICULTURAL LIMESTONE:	2 TONS PER ACRE OR 100 LBS. PER SQ. FT.
NITROGEN (N):	50 LBS. PER ACRE OR 1.1 LBS. PER 1000 SQ. FT.
PHOSPHATE (P O):	100 LBS. PER ACRE OR 2.2 LBS. PER 1000 SQ. FT.
POTASH (K O):	100 LBS. PER ACRE OR 2.2 LBS. PER 1000 SQ. FT.

(NOTE: THIS IS THE EQUIVALENT OF 500 LBS. PER ACRE OF 10-20-20 FERTILIZER OR 1,000 LBS. PER ACRE OF 5-10-10 FERTILIZER)

- B. SEED SHOULD BE SPREAD UNIFORMLY BY THE METHOD MOST APPROPRIATE FOR THE SITE. METHODS INCLUDE BROADCASTING, DRILLING, AND HYDROSEEDING. WHERE BROADCASTING IS USED, COVER SEED WITH 0.25 INCH OF SOIL OR LESS, BY CULTIVATING OR RAKING.
- C. REFER TO SEEDING RATES AND SEEDING GUIDES FOR APPROPRIATE SEED MIXTURES AND RATES OF SEEDING.
- D. WHEN SEEDING AREAS ARE MULCHED, PLANTINGS MAY BE MADE FROM EARLY SPRING TO EARLY OCTOBER. WHEN SEEDING AREAS ARE NOT MULCHED, PLANTINGS SHOULD BE MADE FROM EARLY SPRING TO MAY 20 OR FROM AUGUST 10 TO SEPTEMBER 1.

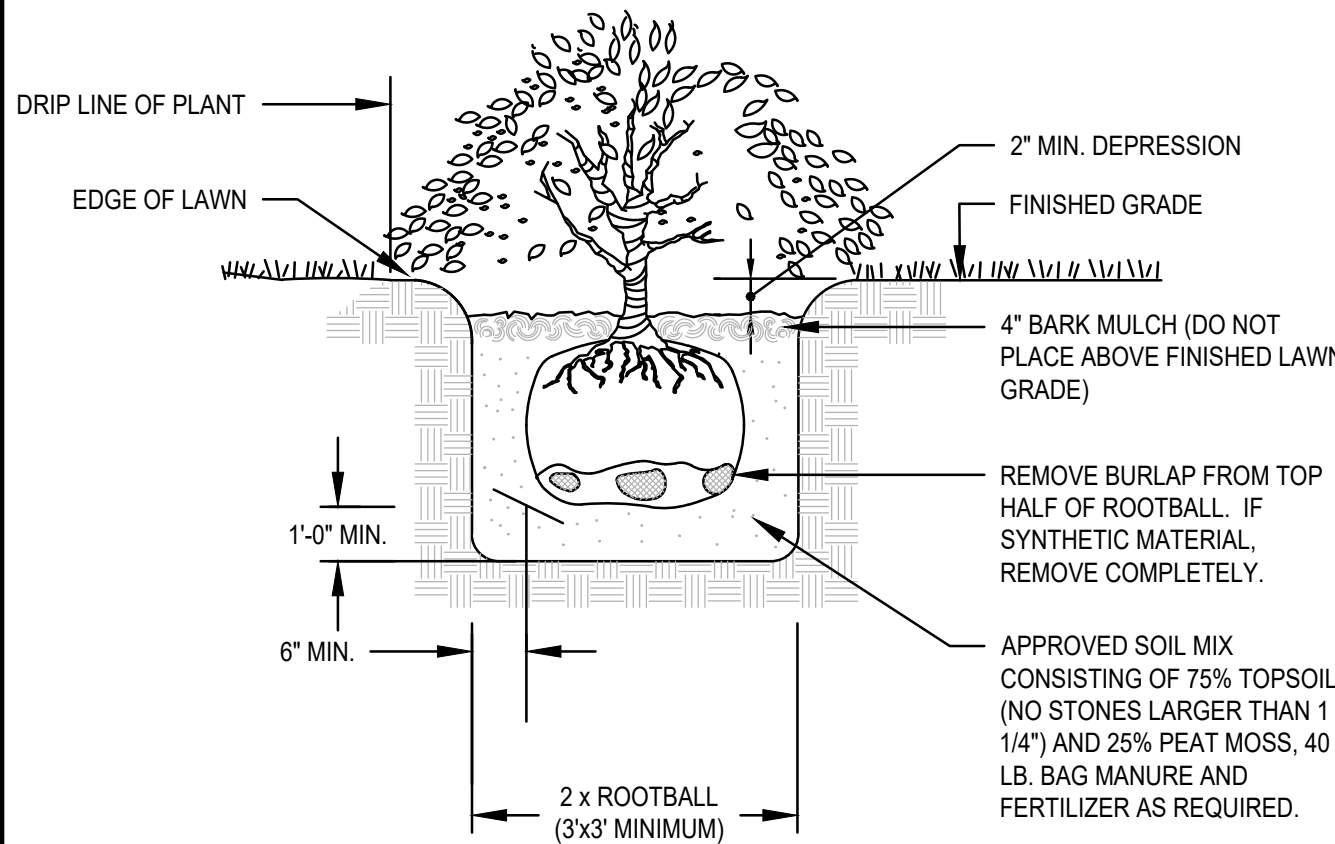
3. MULCH

- A. HAY, STRAW, OR OTHER MULCH, WHEN NEEDED, SHOULD BE APPLIED IMMEDIATELY AFTER SEEDING.
- B. MULCH WILL BE HELD IN PLACE USING TECHNIQUES AS SPECIFIED IN THE "BEST MANAGEMENT PRACTICES OPERATION AND MAINTENANCE PLAN"
- C. IN WATERWAYS, CHANNELS, OR SWALES WHERE UNIFORM FLOW CONDITIONS ARE ANTICIPATED OCCASIONAL MOWING MAY BE NECESSARY TO CONTROL GROWTH OF WOODY VEGETATION.

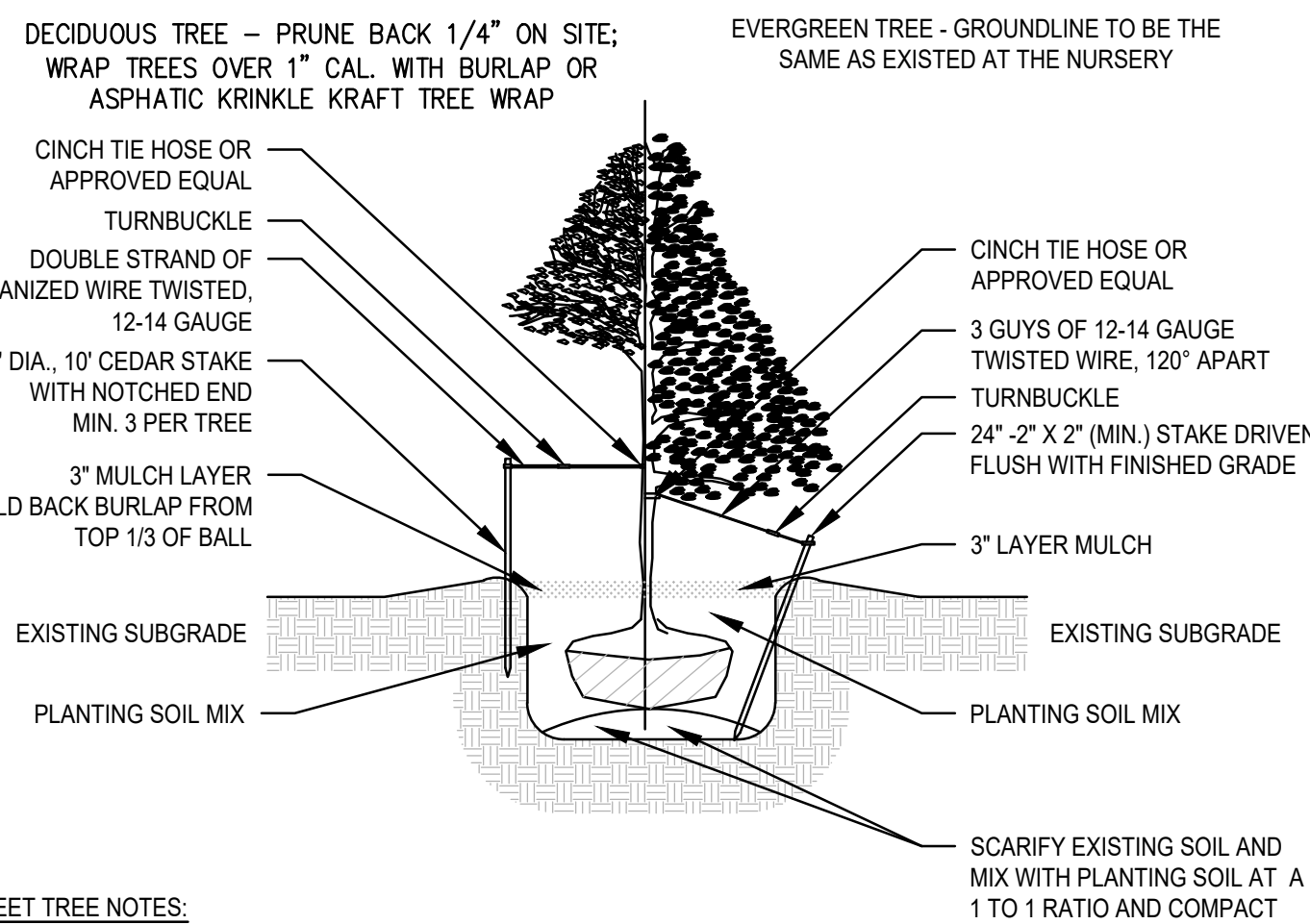
NOTES:

- 1. TOP OF LOAM (TOPSOIL) IS FINISHED GRADE.
- 2. TOPSOIL SHALL CONTAIN BETWEEN 5% AND 12% ORGANIC MATTER AND SHALL HAVE A MAXIMUM STONE SIZE OF 3/4" AND SHALL CONFORM TO THE FOLLOWING GRADATION:

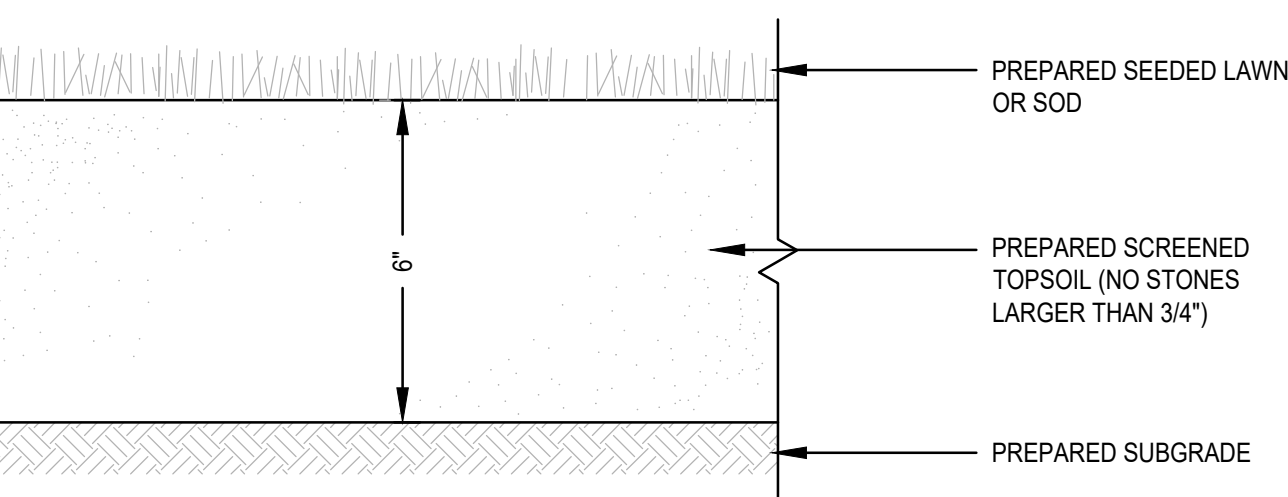
SIEVE	% PASSING
1 1/4 INCH	100
No. 4	85-100
No. 40	60-85
No. 100	38-60
No. 200	28-40



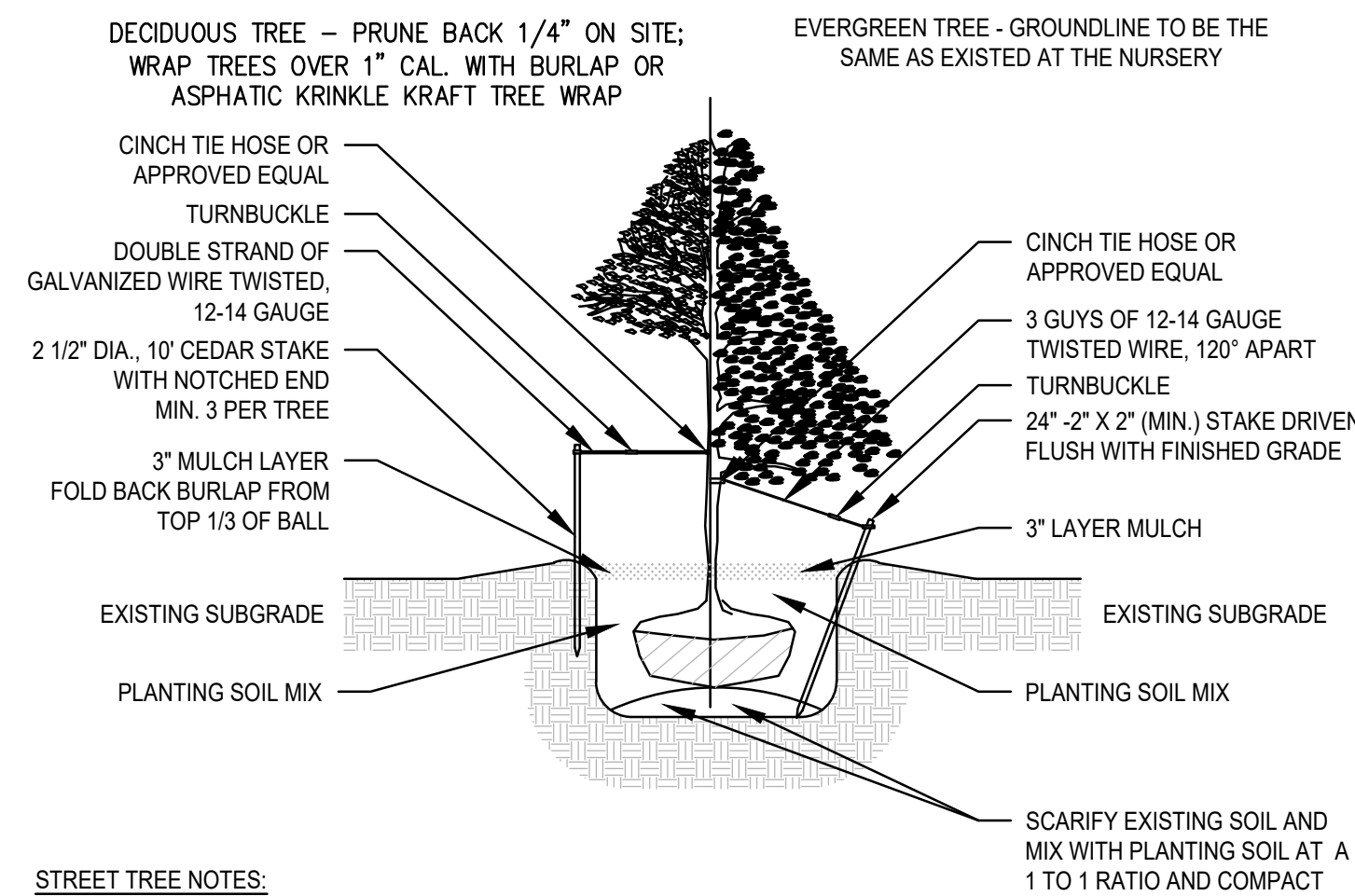
TYPICAL SHRUB PLANTING DETAIL
SCALE: N.T.S.



DECIDUOUS AND EVERGREEN TREE PLANTING DETAIL
SCALE: N.T.S.



SEEDED OR SODDED LAWN DETAIL
SCALE: N.T.S.



GRASSED SWALE DETAIL
SCALE: N.T.S.

SEEDING RATES

	POUND / ACRE	POUNDS / 1,000 S.F.
A. TALL FESCUE	20	0.45
CREEPING RED FESCUE	20	0.45
REDFOP	2	0.05
TOTAL	42	0.95
B. TALL FESCUE	15	0.35
CREEPING RED FESCUE	10	0.25
BIRDSFOOT TREFLOIL	15	0.35
TOTAL	40	0.95
C. TALL FESCUE	20	0.45
CREEPING RED FESCUE	20	0.45
BIRDSFOOT TREFLOIL	8	0.20
TOTAL	48	1.10
D. BIRDSFOOT TREFLOIL	10	0.25
REDFOP	5	0.10
REED CANARY GRASS	15	0.35
TOTAL	30	0.70
E. TALL FESCUE	20	0.45
FLATPEA	30	0.75
TOTAL	50	1.20
F. CREEPING RED FESCUE 1/	85	2.00
KENTUCKY BLUEGRASS 1/	85	2.00
TOTAL	170	4.00
G. TALL FESCUE 1/	150	3.60

TEMPORARY SEEDING RATES

H. WINTER RYE	112	2.50	(BEST FOR FALL SEEDING, AUG 15 TO SEPT. 5)
OATS	30	2.00	(BEST FOR SPRING SEEDING, BEFORE MAY 15)
ANNUAL RYEGRASS	40	1.00	(BEST FOR FALL SEEDING, AUG 15 TO SEPT. 15)
TOTAL	232	5.50	(MAY BE USED EARLY SPRING ALSO)

1/ FOR HEAVY USE ATHLETIC FIELDS CONSULT THE UNIVERSITY OF NEW HAMPSHIRE COOPERATIVE EXTENSION TURF SPECIALIST FOR CURRENT VARIETIES AND SEEDING RATES.

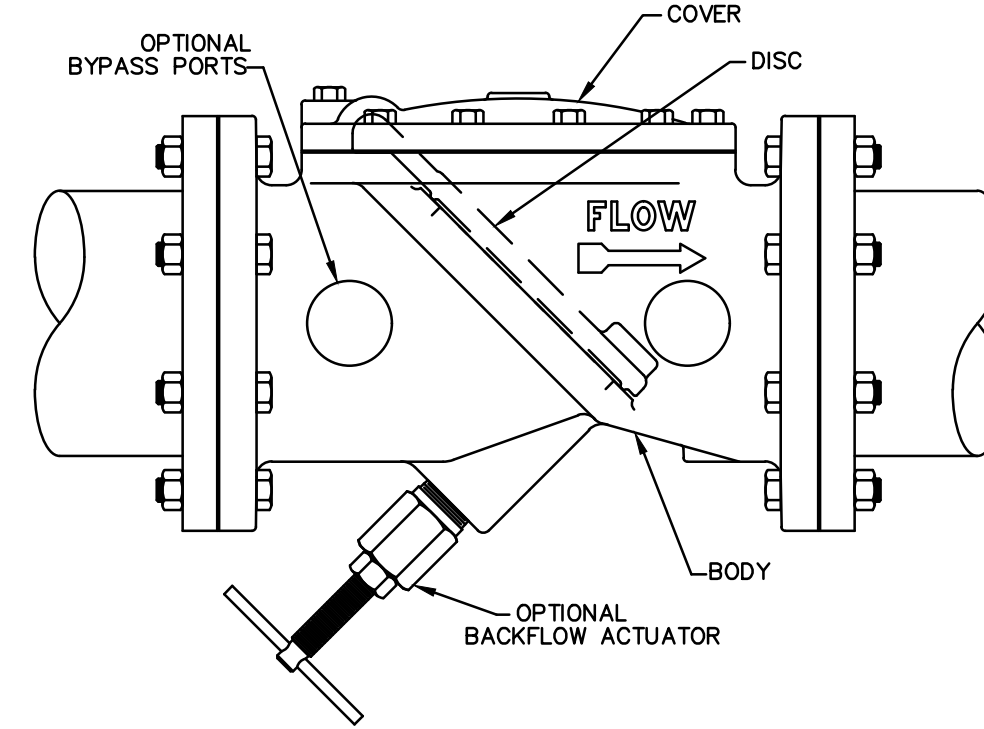
SEEDING GUIDE

USE	SEEDING MIXTURE 1/
STEEP CUTS AND FILLS, BORROW AND DISPOSAL AREAS	E
WATERWAYS, EMERGENCY SPILLWAYS, AND OTHER CHANNELS WITH FLOWING WATER	D
LAWN AREAS	F

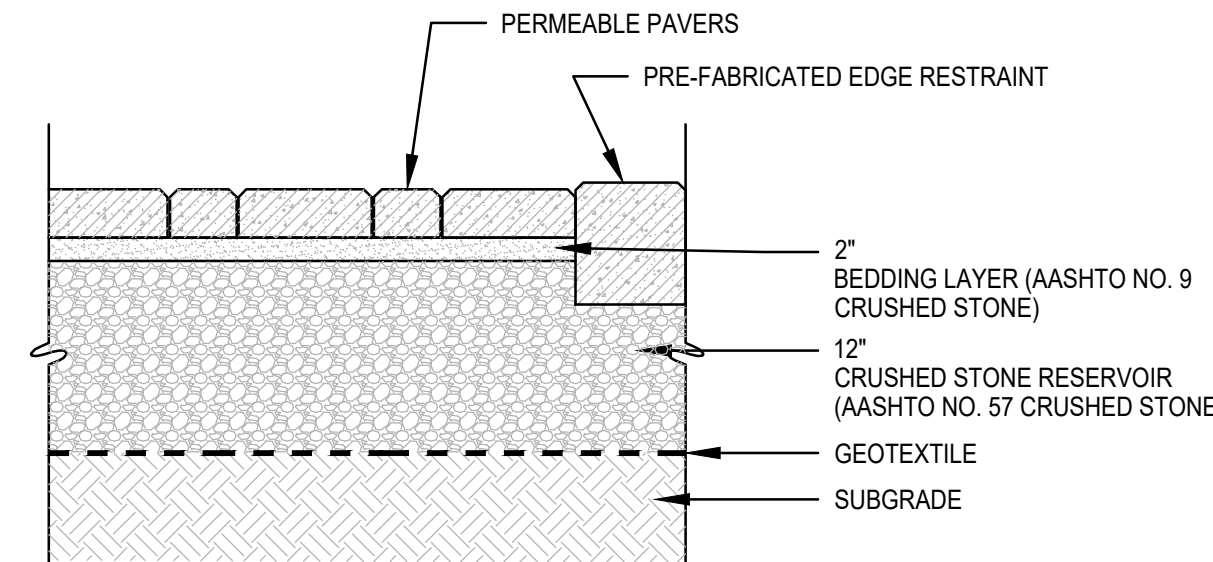
APPROVAL BY SCITUATE PLANNING BOARD

DATE OF ENDORSEMENT: _____

SCITUATE PLANNING BOARD

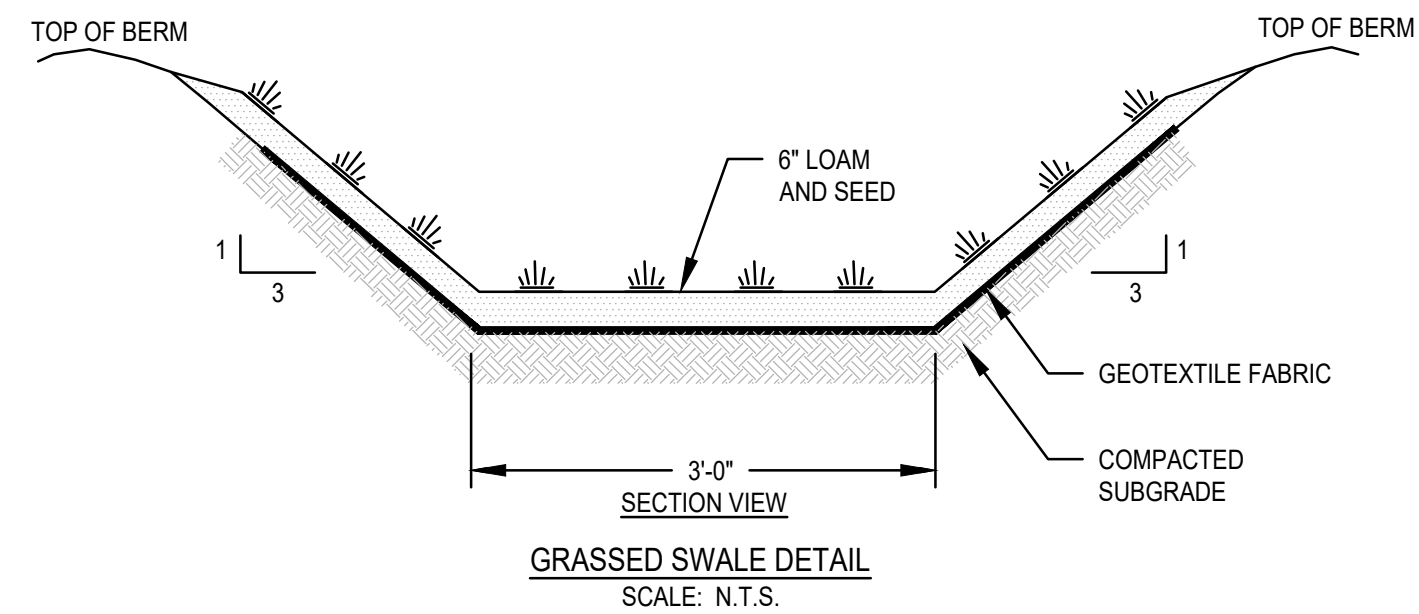


SWING FLEX CHECK VALVE DETAIL
NO SCALE VM-SF01-001-0



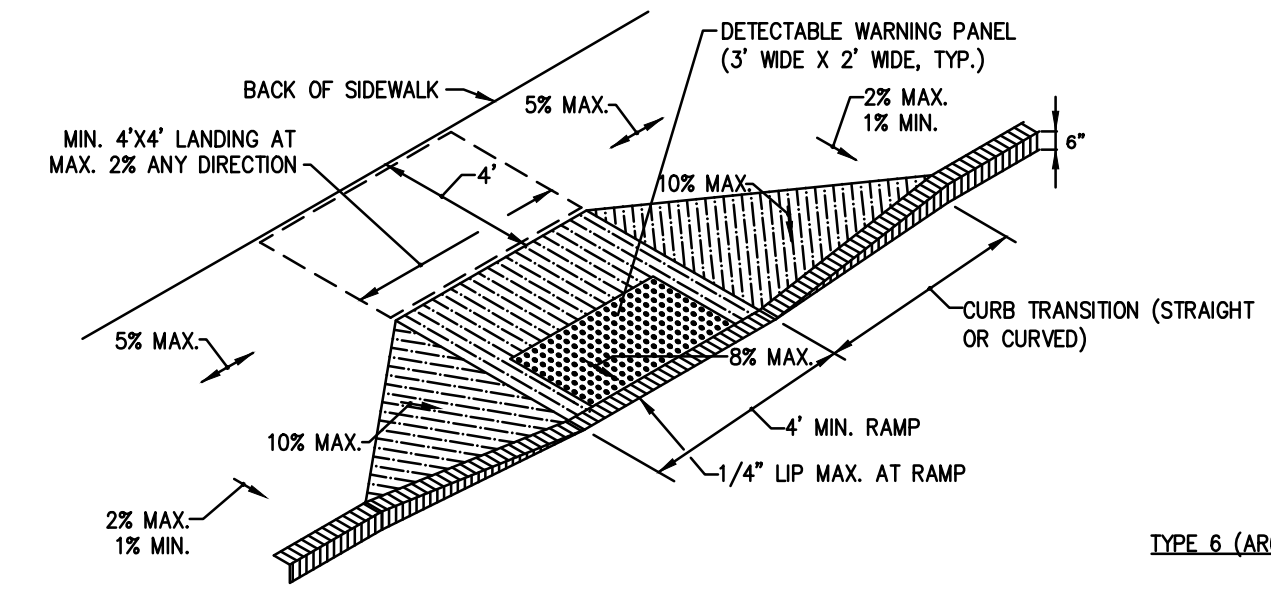
NOTE:
PERMEABLE PAVERS ARE SPECIFIED TO BE OPLUS, VIA APPIA 60/80 PAVERS MANUFACTURED BY BOLDUC OR APPROVED EQUAL.
DETAILED DESIGN OF PERMEABLE PAVER CROSS-SECTION SHALL BE PER MANUFACTURER SPECIFICATIONS. DESIGN ENGINEER SHALL REVIEW AND APPROVE SHOP DRAWINGS AND DETAILS PRIOR TO PAVEMENT INSTALLATION.

PERMEABLE PAVER DETAIL
SCALE: N.T.S.

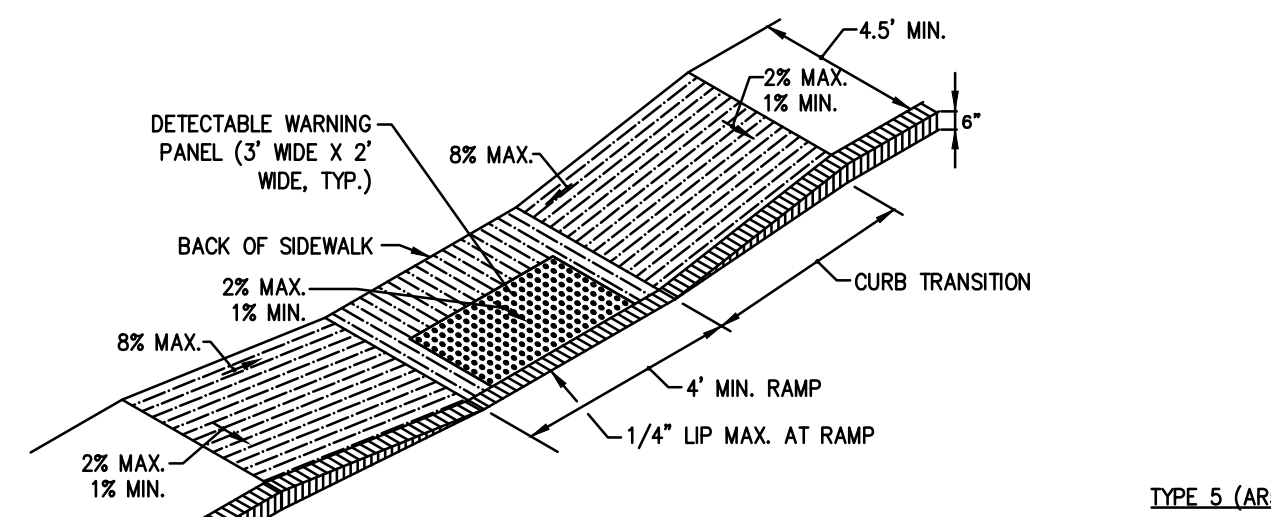


GRASSED SWALE DETAIL
SCALE: N.T.S.

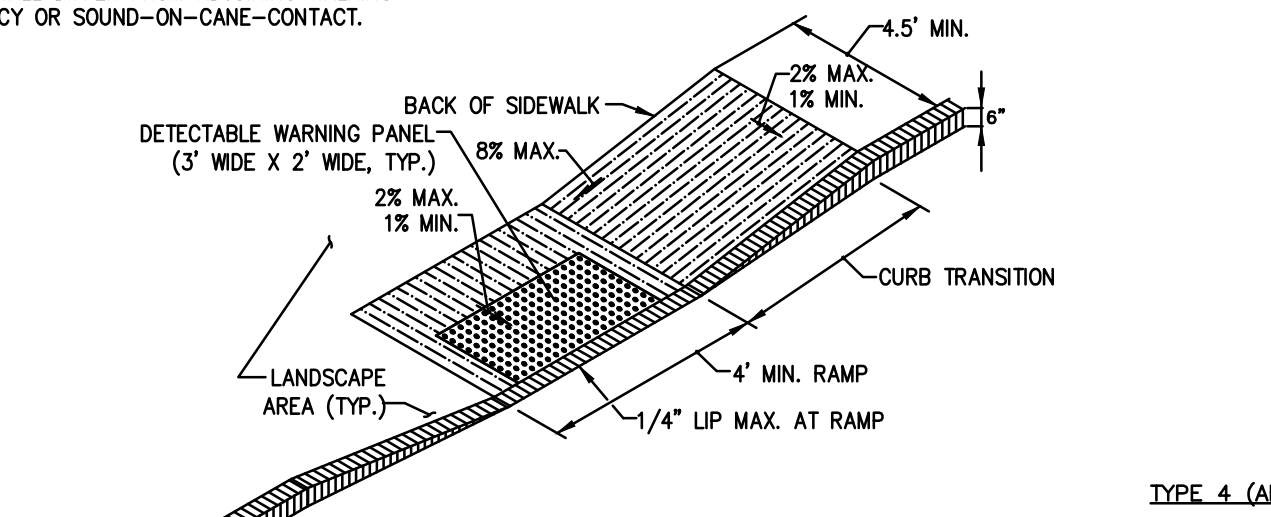
NOTE:
ALL DETECTABLE WARNING PANELS SHALL HAVE RAISED TRUNCATED DOMES WITH A DIAMETER OF NOMINAL 0.9 IN., A HEIGHT OF 0.2 IN. AND A CENTER TO CENTER SPACING OF NOMINAL 2.55 IN. AND SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES, EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT.
THE MATERIAL USED TO PROVIDE CONTRAST SHALL BE AN INTEGRAL PART OF THE WALKING SURFACE. DETECTABLE WARNINGS USED ON INTERIOR SURFACES SHALL DIFFER FROM ADJOINING WALKING SURFACES IN RESILIENCY OR SOUND-ON-CANE-CONTACT.



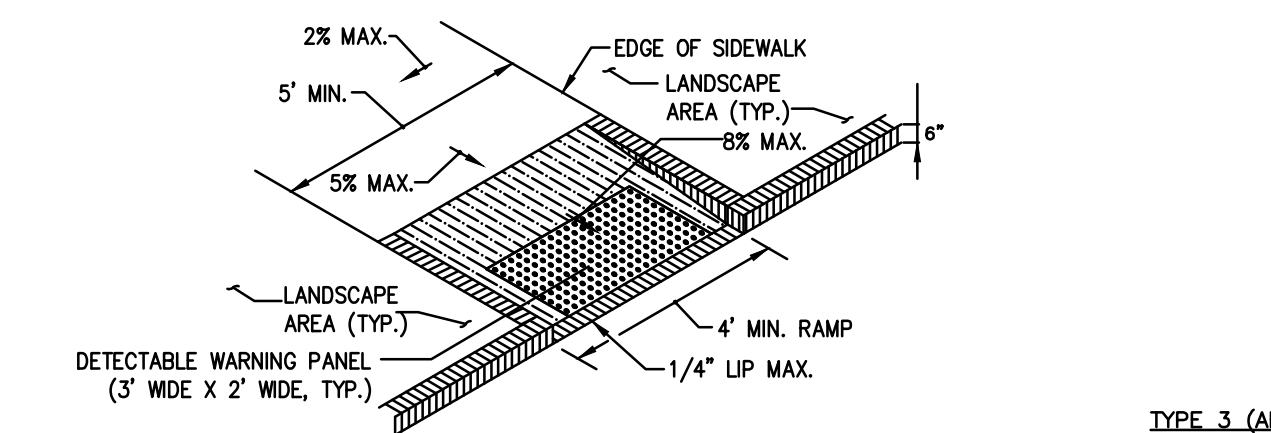
TYPE 6 (AR6)



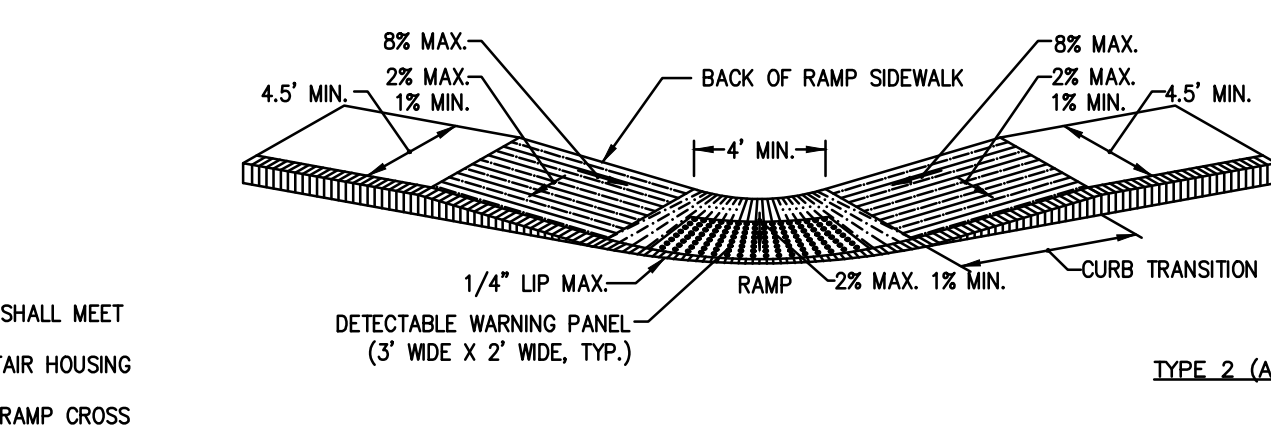
TYPE 5 (AR5)



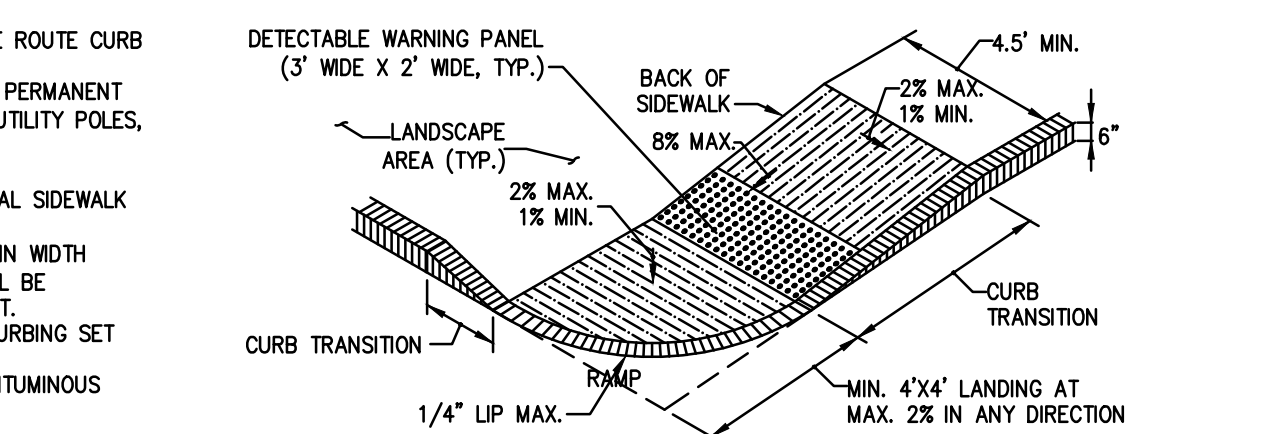
TYPE 4 (AR4)



TYPE 3 (AR3)



TYPE 2 (AR2)



TYPE 1 (AR1)

ACCESSIBLE CURB RAMP
SCALE: N.T.S.

NOTES:

- SEE PLANS FOR CURB TYPE.
- CURBS AND WALKS ALONG ACCESSIBLE ROUTES SHALL MEET OR EXCEED THE APPLICABLE REGULATIONS OF THE MASSACHUSETTS ARCHITECTURAL ACCESS BOARD, FAIR HOUSING ACT AND ADA.
- THE MAXIMUM ALLOWABLE SIDEWALK AND CURB RAMP CROSS SLOPES SHALL BE 2.
- THE MAXIMUM ALLOWABLE SLOPE OF ACCESSIBLE ROUTE EXCLUDING CURB RAMP SHALL BE 5.
- THE MAXIMUM ALLOWABLE SLOPE OF ACCESSIBLE ROUTE CURB RAMP SHALL BE 8.
- MAINTAIN A MINIMUM OF 3 FEET CLEAR AT ANY PERMANENT OBSTACLE IN ACCESSIBLE ROUTE (I.E., HYDRANTS, UTILITY POLES, TREE WELLS, SIGNS, ETC.)
- GRADE BASE OF RAMP TO PREVENT PONDING.
- RAMP CONSTRUCTION SHALL CONFORM TO TYPICAL SIDEWALK SECTION.
- WHERE ACCESSIBLE ROUTES ARE LESS THAN 5' IN WIDTH (EXCLUDING CURBING) A 5'X5' PASSING AREA SHALL BE PROVIDED AT INTERVALS NOT TO EXCEED 200 FEET.
- ALL CURBING AT RAMP SHALL BE VERTICAL CURBING SET FLUSH WHERE IT ABUTS ROADWAY.
- ALL RAMP SHALL BE CEMENT CONCRETE OR BITUMINOUS CONCRETE WITH ROUGHENED NON-SLIP SURFACE.

REV	DATE	DESCRIPTION	BY	APP
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2	6/27/22	PEER REVIEW	ESS	BCM
3	8/1/22	PEER REVIEW	ESS	BCM

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SITE DEVELOPMENT PLAN
(ASSESSOR'S MAP 53, BLOCK 5, LOT 37F)
7 NEW DRIFTWAY
SCITUATE, MASSACHUSETTS

PROFESSIONAL ENGINEER:

BRADLEY C. MCKENZIE
CIVIL
NO. 38917
PROFESSIONAL ENGINEER

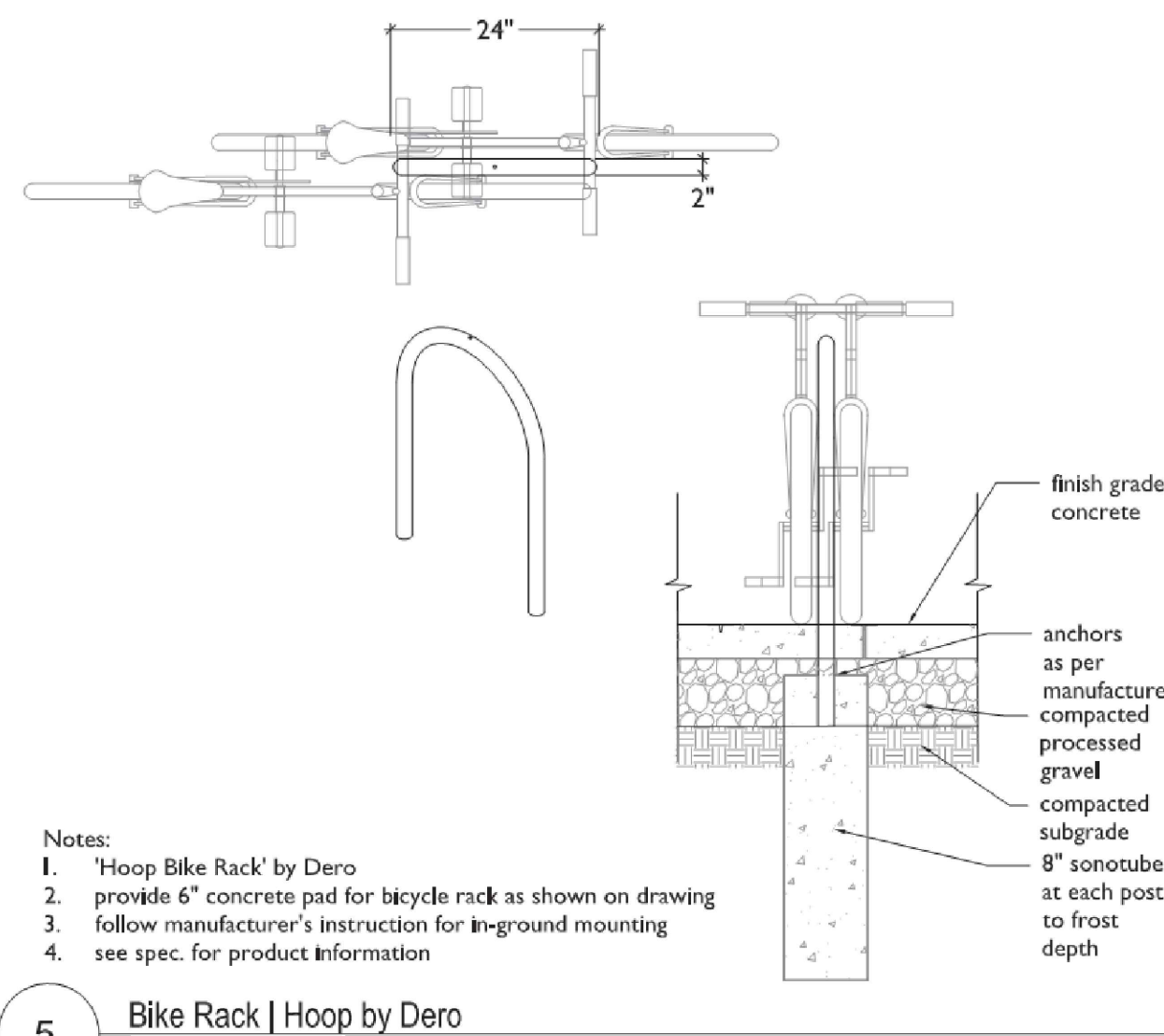
APPLICANT:
DRIFTWAY, LLC
PO BOX 378
TYNGSBORO, MA 01879

DRAWN BY:	ESS
DESIGNED BY:	ESS
CHECKED BY:	BCM
APPROVED BY:	BCM
DATE:	JUNE 22, 2021
SCALE:	
PROJECT NO.:	218-153
DWG. TITLE:	

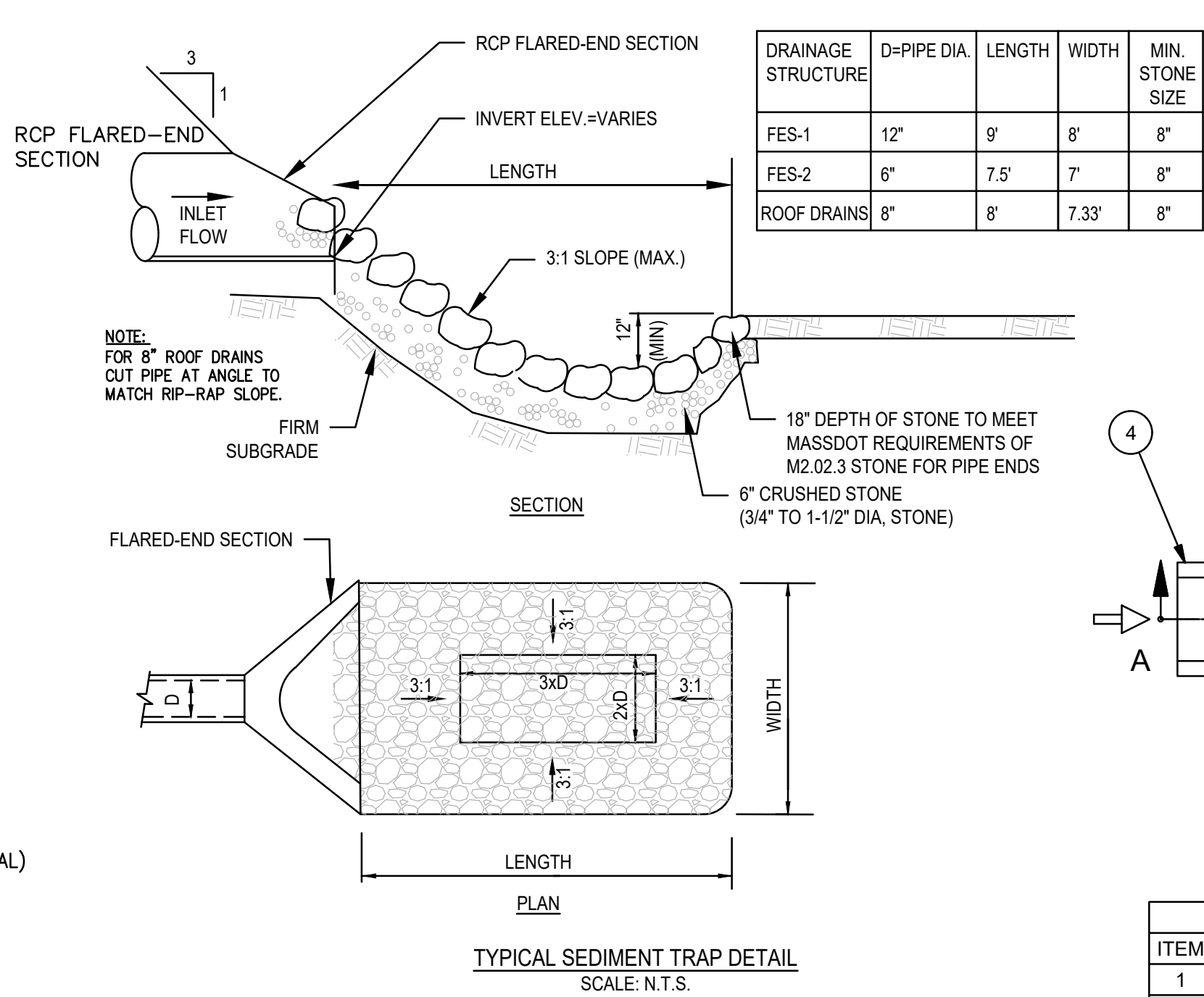
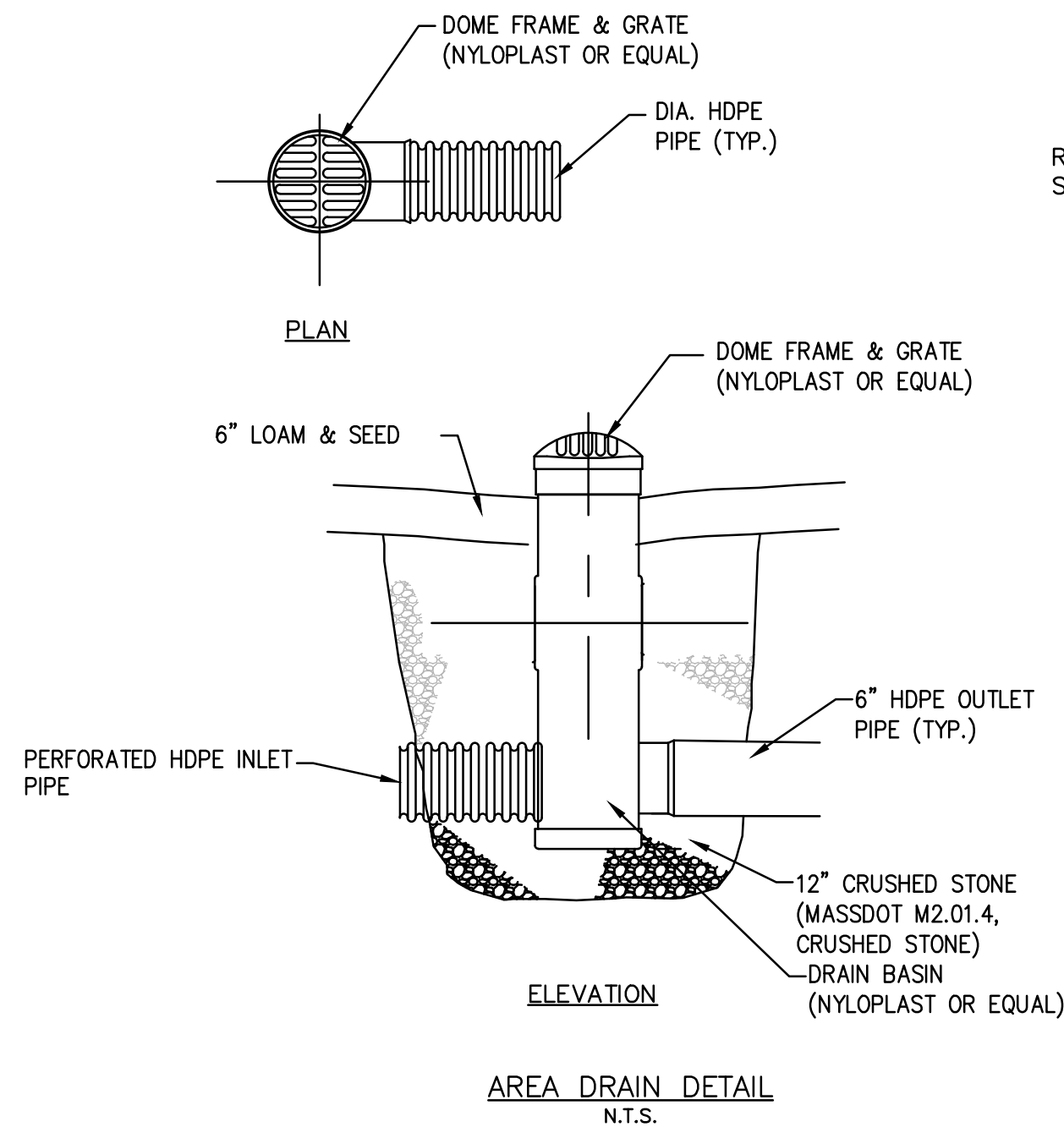
CONSTRUCTION DETAILS

DWG. NO:
D-3

PERMIT PLAN SET



5 Bike Rack | Hoop by Dero
NOT TO SCALE

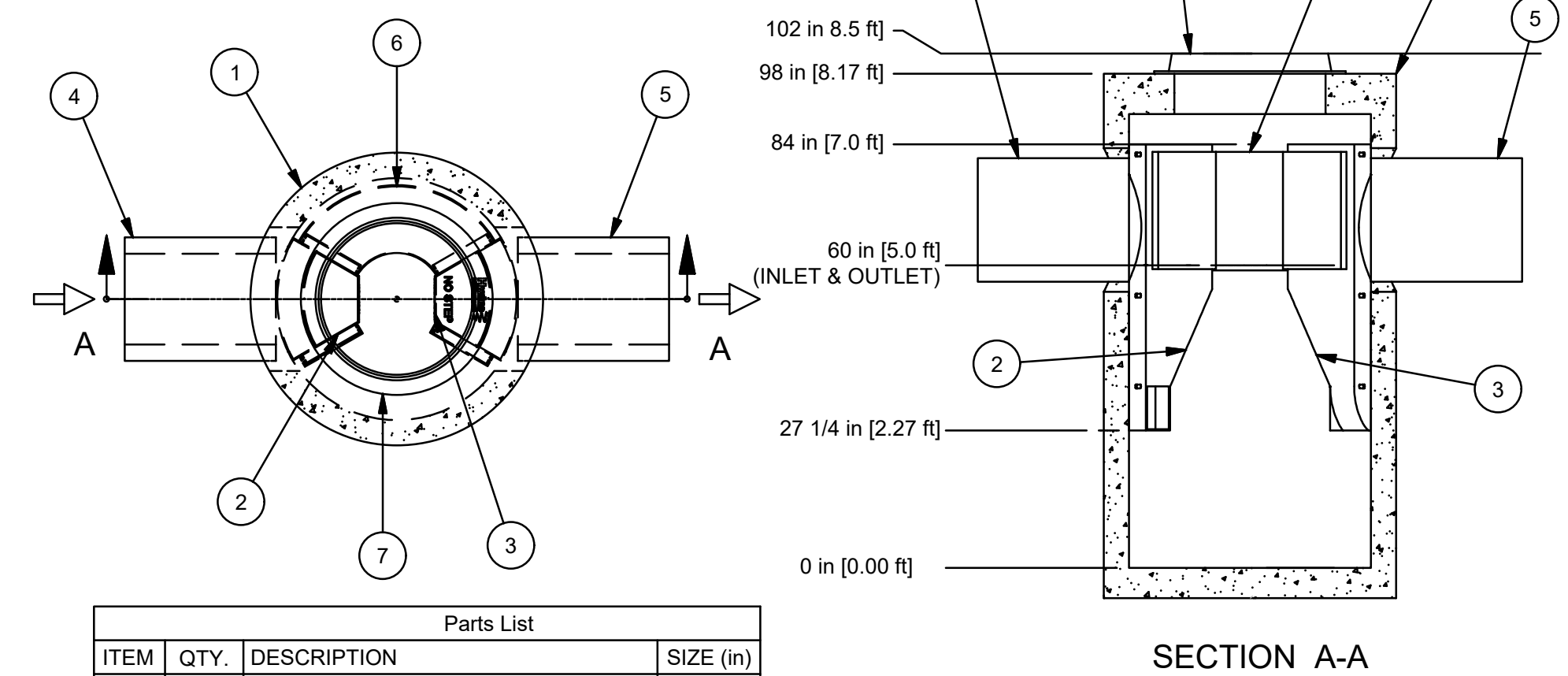


APPROVAL BY SCITUATE PLANNING BOARD

DATE OF ENDORSEMENT: _____

SCITUATE PLANNING BOARD

DRAINAGE STRUCTURE	D=PIPE DIA.	LENGTH	WIDTH	MIN. STONE SIZE
FES-1	12"	9'	8'	8"
FES-2	6"	7.5'	7'	8"
ROOF DRAINS	8"	8'	7.33'	8"



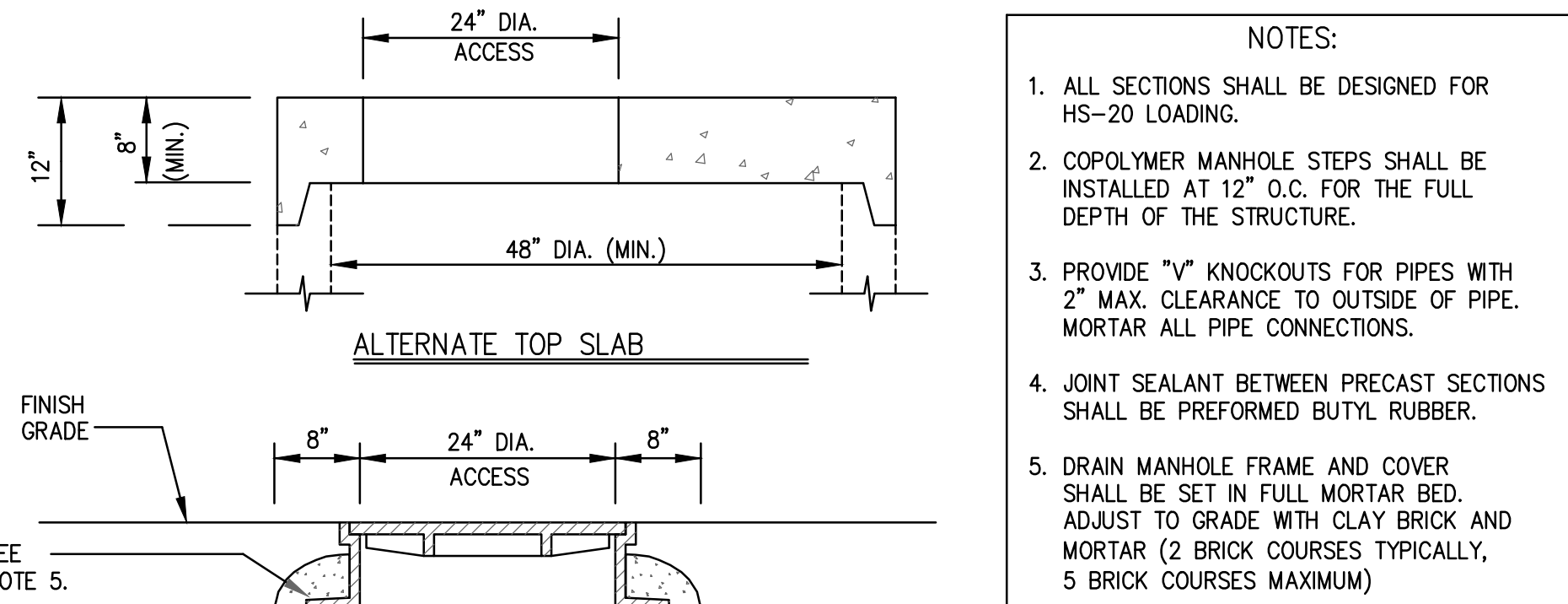
ITEM	QTY.	DESCRIPTION	SIZE (in)
1	1	I.D. CONCRETE MANHOLE	48
2	1	INLET CHUTE (W/ FLOATABLES TRAP)	
3	1	OUTLET CHUTE	
4	1	INLET PIPE (BY OTHERS)	12
5	1	OUTLET PIPE (BY OTHERS)	12
6	1	HIGH FLOW BYPASS	
7	1	FRAME AND COVER (OR GRATE)	

Hydro
International

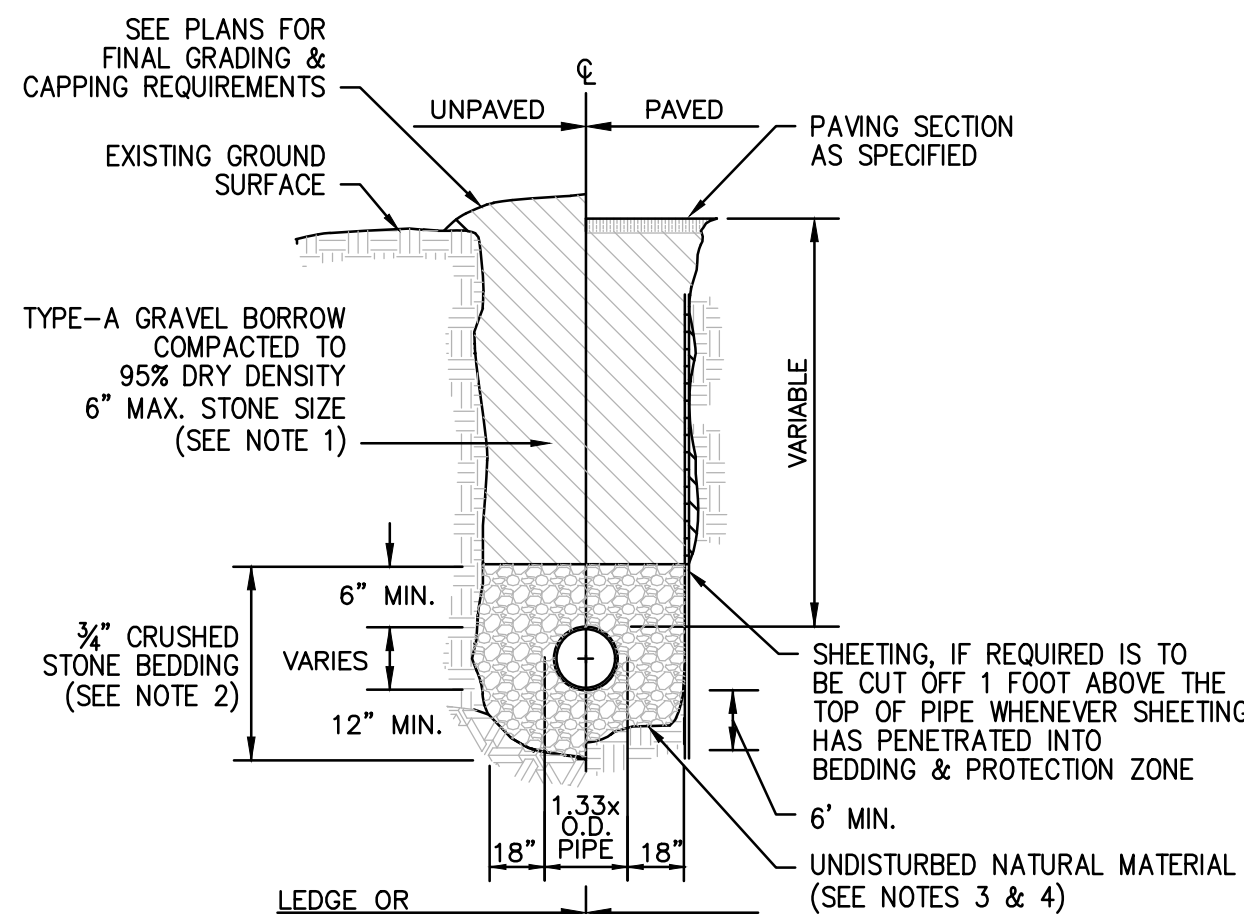
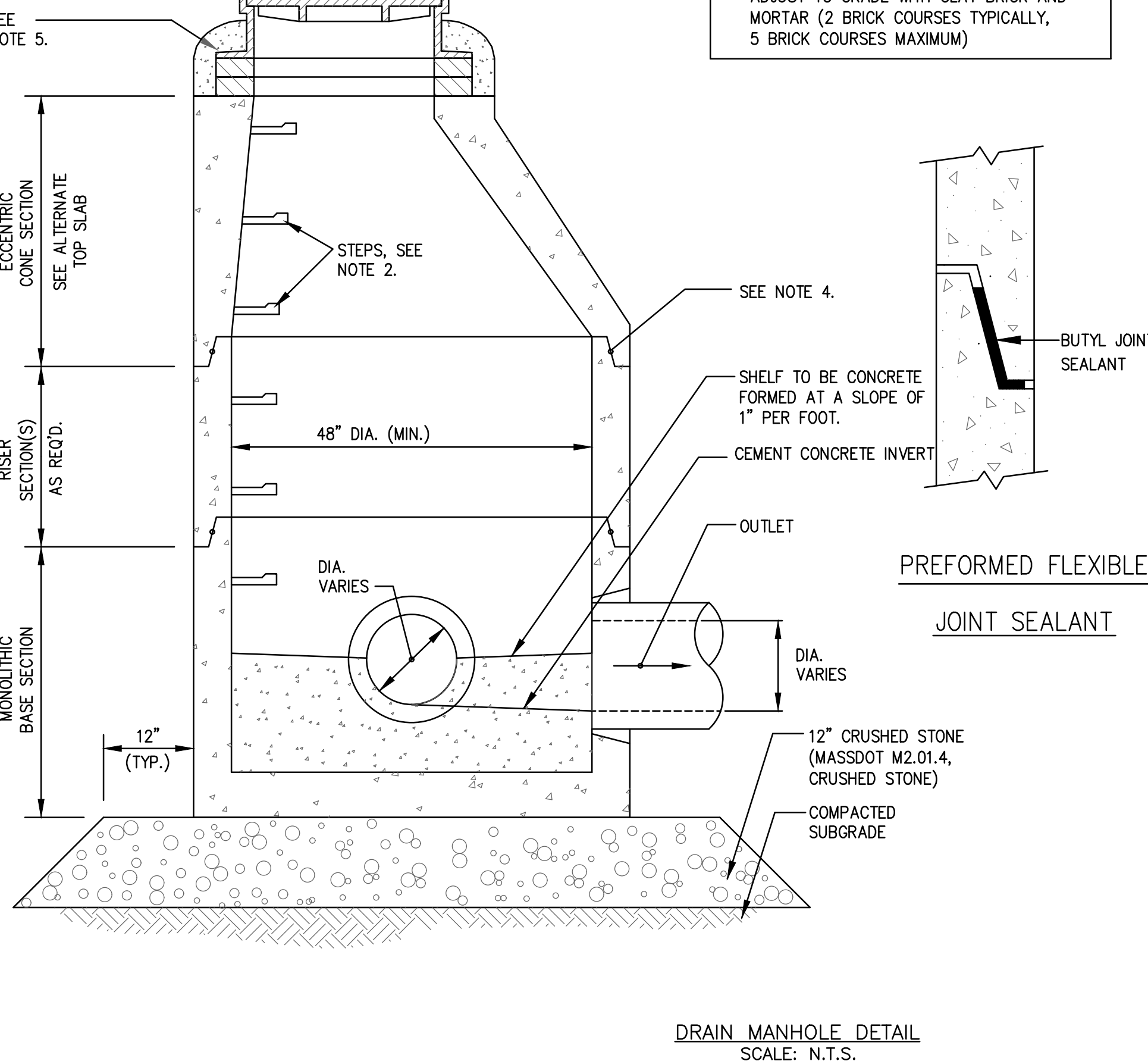
Stormwater Solutions
94 Hutchins Drive
Portland, Maine 04102
Tel: (207) 756-6200
Fax: (207) 756-6212
stormwaterinquiry@hydro-int.com

MANHOLE WALL AND SLAB THICKNESSES ARE NOT TO SCALE.
CONTACT HYDRO INTERNATIONAL FOR A BOTTOM OF STRUCTURE ELEVATION PRIOR TO SETTING FIRST DEFENSE MANHOLE.
CONTRACTOR TO CONFIRM RIM, PIPE INVERTS, PIPE DIA. AND PIPE ORIENTATION PRIOR TO RELEASING UNIT TO FABRICATION.

4 FT. DIAMETER FIRST DEFENSE UNIT (FD-5HC)
SCALE: N.T.S.

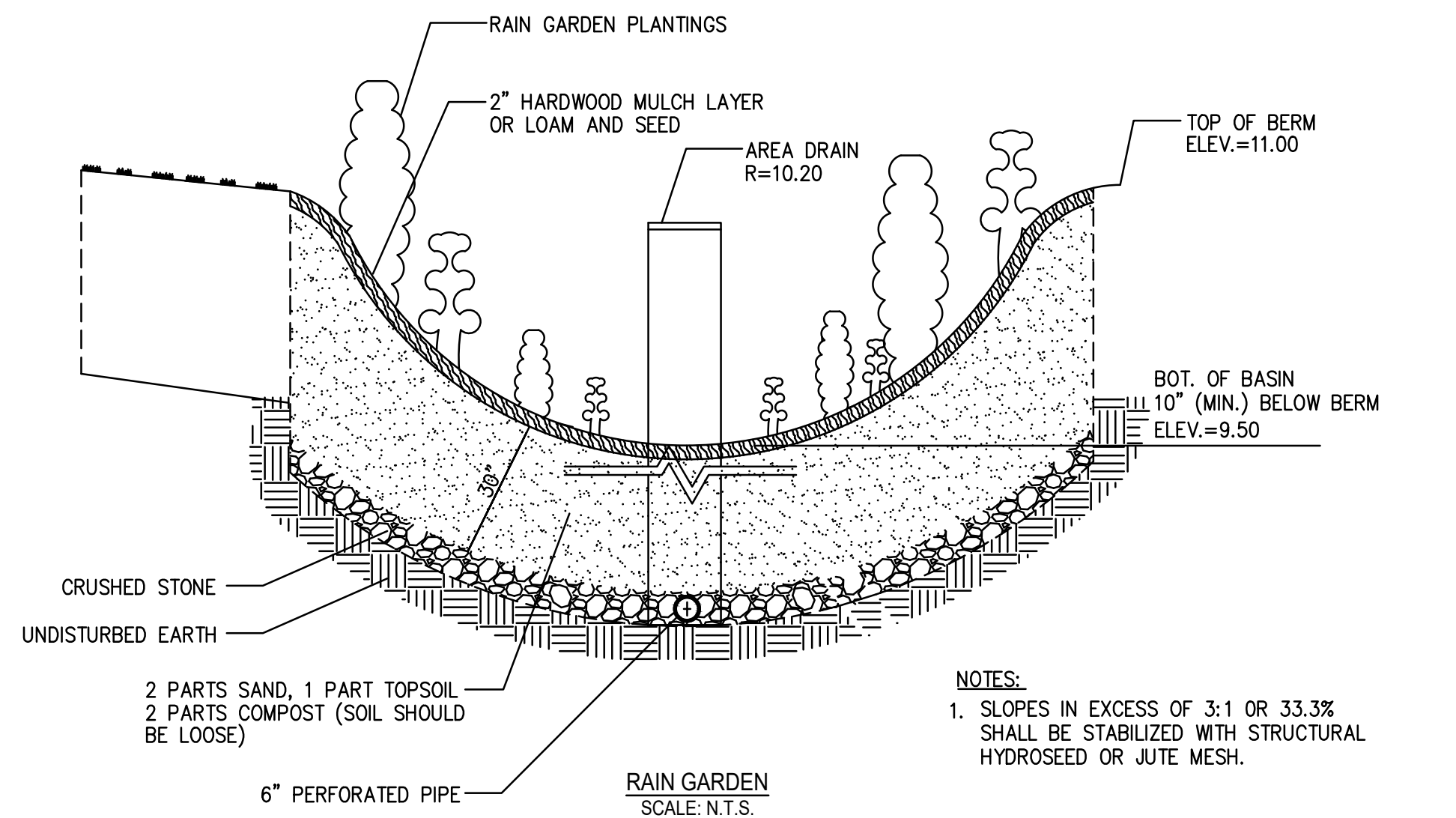
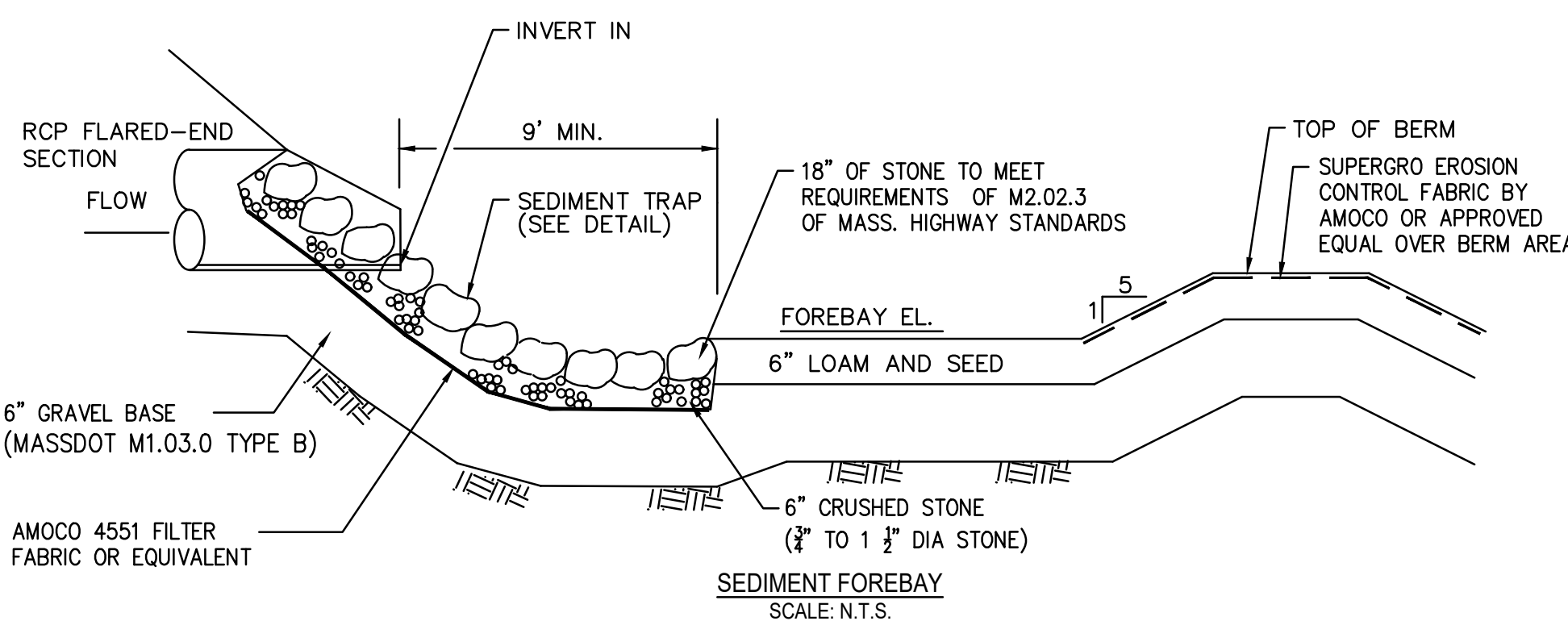
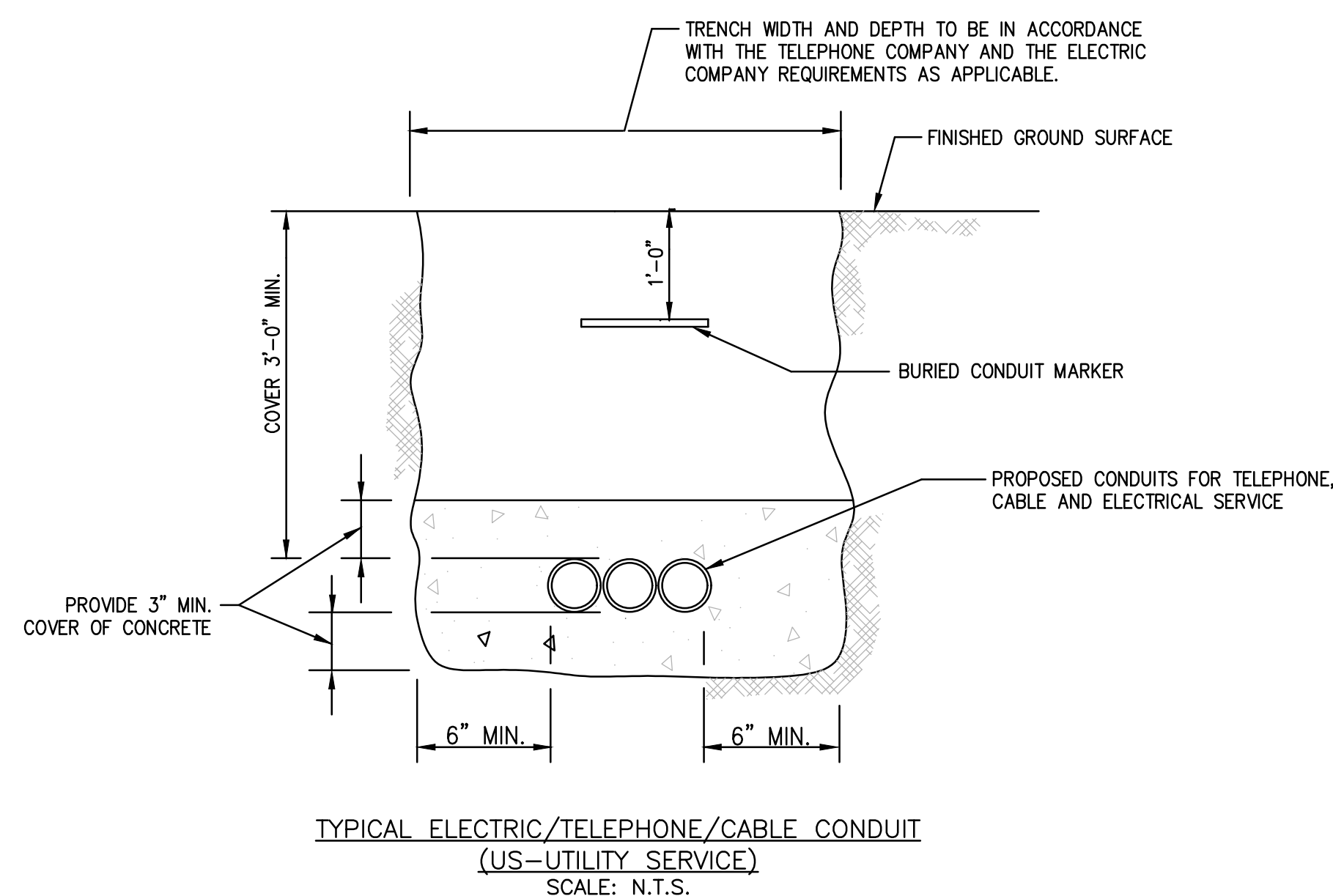


- NOTES:
- ALL SECTIONS SHALL BE DESIGNED FOR HS-20 LOADING.
 - COPOLYMER MANHOLE STEPS SHALL BE INSTALLED AT 12" O.C. FOR THE FULL DEPTH OF THE STRUCTURE.
 - PROVIDE "V" KNOCKOUTS FOR PIPES WITH 2" MAX. CLEARANCE TO OUTSIDE OF PIPE. MORTAR ALL PIPE CONNECTIONS.
 - JOINT SEALANT BETWEEN PRECAST SECTIONS SHALL BE PERFORMED BUTYL RUBBER.
 - DRAIN MANHOLE FRAME AND COVER SHALL BE SET IN FULL MORTAR BED. ADJUST TO GRADE WITH CLAY BRICK AND MORTAR (2 BRICK COURSES TYPICALLY, 5 BRICK COURSES MAXIMUM)



- NOTES:
- GRAVEL BORROW SHALL CONFORM TO MASSDOT SPECIFICATION M1.03.0.
 - CRUSHED STONE BEDDING SHALL CONFORM TO MASSDOT SPECIFICATION M2.01.1.
 - SUBGRADE SHALL CONSIST OF NATIVE SOIL OR IMPORTED SOIL CONFORMING TO THE MASSDOT SPECIFICATION FOR ORDINARY BORROW AND SHALL BE FREE OF ANY UNSUITABLE SOILS OR MATERIAL.
 - UNSUITABLE SOIL OR MATERIAL SHALL INCLUDE BUT NOT BE LIMITED TO PEAT, MUCK, BROKEN PAVEMENT, STUMPS, LOGS, CONSTRUCTION DEBRIS OR ANY OTHER DELETERIOUS MATERIAL.

GRAVITY SEWER TRENCH DETAIL
SCALE: N.T.S.



REV	DATE	DESCRIPTION	BY	APP
1	5/9/22	PEER REVIEW	ESS	BCM
2	6/27/22	PEER REVIEW	ESS	BCM
3	8/1/22	PEER REVIEW	ESS	BCM

MG
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Norwell, MA 02061
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www.mckeng.com

SITE DEVELOPMENT PLAN
(ASSESSORS MAP 53, BLOCK 5, LOT 37F)
SCITUATE, MASSACHUSETTS

PROFESSIONAL ENGINEER:



APPLICANT:
DRIFT-WAY, LLC
PO BOX 378
TYNGSBORO, MA 01879

DRAWN BY:	ESS
DESIGNED BY:	ESS
CHECKED BY:	BCM
APPROVED BY:	BCM
DATE:	JUNE 22, 2021
SCALE:	
PROJECT NO.:	218-153
DWG. TITLE:	

CONSTRUCTION DETAILS

DWG. NO.:

D-4

APPROVAL BY SCITUATE PLANNING BOARD

DATE OF ENDORSEMENT: _____

SCITUATE PLANNING BOARD

EROSION AND SEDIMENTATION CONTROL

- WIDELY ACCEPTED PRACTICES FOR REDUCING EROSION AND SEDIMENTATION WILL BE EMPLOYED IN THE DEVELOPMENT OF THIS SITE.
- THE DEVELOPMENT OF THE SITE HAS BEEN PLANNED TO ENHANCE THE EXISTING TOPOGRAPHY AND VEGETATIVE COVER. ALL NATURAL DRAINAGE PATTERNS OF THE SITE HAVE BEEN MAINTAINED.
- STEEP SLOPES, WHERE POSSIBLE, WILL NOT BE DISTURBED.
- NATURAL WATERWAYS WILL BE PRESERVED AND PROTECTED, AND EXISTING VEGETATION WILL BE RETAINED AND PROTECTED TO THE EXTENT POSSIBLE.
- THE ROADWAY CONFORMS TO EXISTING LAND CONTOURS WHERE PRACTICAL.
- THE CONTRACTOR SHALL MINIMIZE THE AREA OF DISTURBED LAND TO THE EXTENT FEASIBLE.
- SEDIMENT CONTROL MEASURES WILL BE APPLIED TO CONTROL ANY SEDIMENTS THAT MAY BE PRODUCED AS A RESULT OF SITE CONSTRUCTION ACTIVITIES. EROSION AND DEPOSITION OF SEDIMENT WILL BE CLOSELY MONITORED DURING CONSTRUCTION.
- TEMPORARY EROSION CONTROL MEASURES WILL INCLUDE, BUT NOT BE LIMITED TO, STRAWBALE CHECK DAMS, SEDIMENT FOREBAYS, STABILIZED CONSTRUCTION ENTRANCES, FILTER FABRIC SILT FENCES, SEEDING AND MULCHING, AND SEEDED FILTER STRIPS.
- TOPSOIL STRIPPED FROM CUT AND FILL AREAS WILL BE STOCKPILED FOR LOAMING AND SEEDING AT LATER CONSTRUCTION STAGES. THE STOCKPILES SHALL BE LOCATED SO AS TO ACT AS TEMPORARY DIVERSIONS, GENERALLY ON THE UPHILL SLOPE.
- ALL CUT AREAS LOCATED AT TOES OF SLOPES AND DITCHES THAT HAVE GRADES EXCEEDING 5% SHALL BE STABILIZED WITH RIP-RAP. THE RIP-RAP SHALL CONSIST OF 50% STONES GREATER THAN 6" IN SIZE. SWALES SHALL BE 6" IN DEPTH AND APPROXIMATELY 5' IN WIDTH. ALL SLOPES WILL BE BLENDED INTO THE EXISTING TOPOGRAPHY TO MINIMIZE IMPACT.
- SITE DEVELOPMENT WILL NOT COMMENCE UNTIL ALL TEMPORARY EROSION CONTROL MEASURES ARE IN PLACE. THESE MEASURES SHALL BE EMPLOYED UNTIL FINAL PAVING AND ADEQUATE VEGETATION HAS BEEN ESTABLISHED.
- REFER TO CONSTRUCTION PHASE BEST MANAGEMENT PRACTICES AS SPECIFIED IN "BEST MANAGEMENT PRACTICES OPERATION AND MAINTENANCE PLAN" PREPARED BY MCKENZIE ENGINEERING GROUP, INC. FOR STRUCTURAL STABILIZATION AND DUST CONTROL EROSION AND SEDIMENTATION CONTROL MEASURES.
- STABILIZATION PRACTICES UTILIZED FOR THE PROJECT WILL INCLUDE TEMPORARY SEEDING, GEOTEXTILES (JUTE MESH), MULCHING, AND PERMANANT SEEDING.

CONSTRUCTION PHASE BMP OPERATION & MAINTENANCE:

STRUCTURAL PRACTICES UTILIZED FOR THE PROJECT WILL INCLUDE SILT SOCK EROSION CONTROL BARRIERS, STABILIZED CONSTRUCTION ENTRANCES, TEMPORARY DIVERSION SWALES WITH CHECK DAMS, TEMPORARY SEDIMENT BASINS, AND INLET PROTECTION.

STABILIZATION PRACTICES UTILIZED FOR THE PROJECT WILL INCLUDE TEMPORARY SEEDING, GEOTEXTILES (JUTE MESH), MULCHING, AND PERMANENT SEEDING.

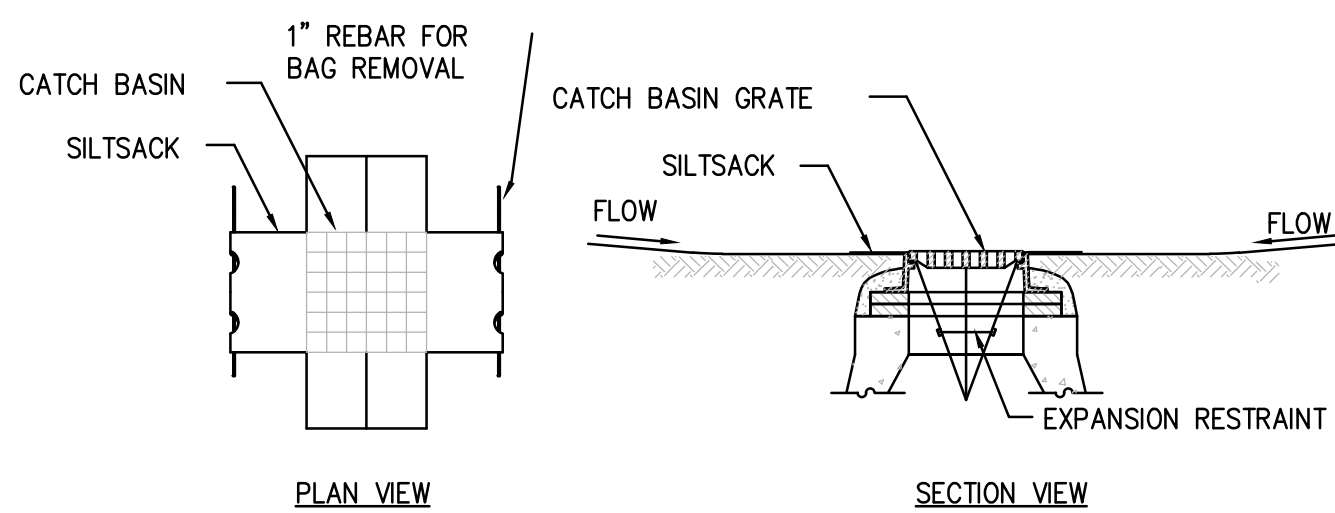
OPERATOR PERSONNEL AND/OR ITS CONSULTANTS MUST INSPECT THE CONSTRUCTION SITE AT LEAST ONCE EVERY 7 CALENDAR DAYS AND WITHIN 24 HOURS OF A STORM EVENT OF 1/2 INCH OR GREATER. THE INSPECTOR SHOULD REVIEW THE EROSION AND SEDIMENT CONTROLS WITH RESPECT TO THE FOLLOWING:

- WHETHER OR NOT THE BMP WAS INSTALLED/PERFORMED CORRECTLY.
- WHETHER OR NOT THERE HAS BEEN DAMAGE TO THE BMP SINCE IT WAS INSTALLED OR PERFORMED.
- WHAT SHOULD BE DONE TO CORRECT ANY PROBLEMS WITH THE BMP.

THE INSPECTOR SHALL COMPLETE THE INSPECTION SCHEDULE AND EVALUATION CHECKLIST FOR FINDINGS AND SHOULD REQUEST THE REQUIRED MAINTENANCE OR REPAIR. THE CHECKLIST IS PROVIDED WITHIN THE OPERATION AND MAINTENANCE PLAN.

THE TEMPORARY SEDIMENT BASINS SHALL BE INSPECTED AND CLEANED IF REQUIRED PRIOR TO ANY PREDICTED LARGE STORM EVENT.

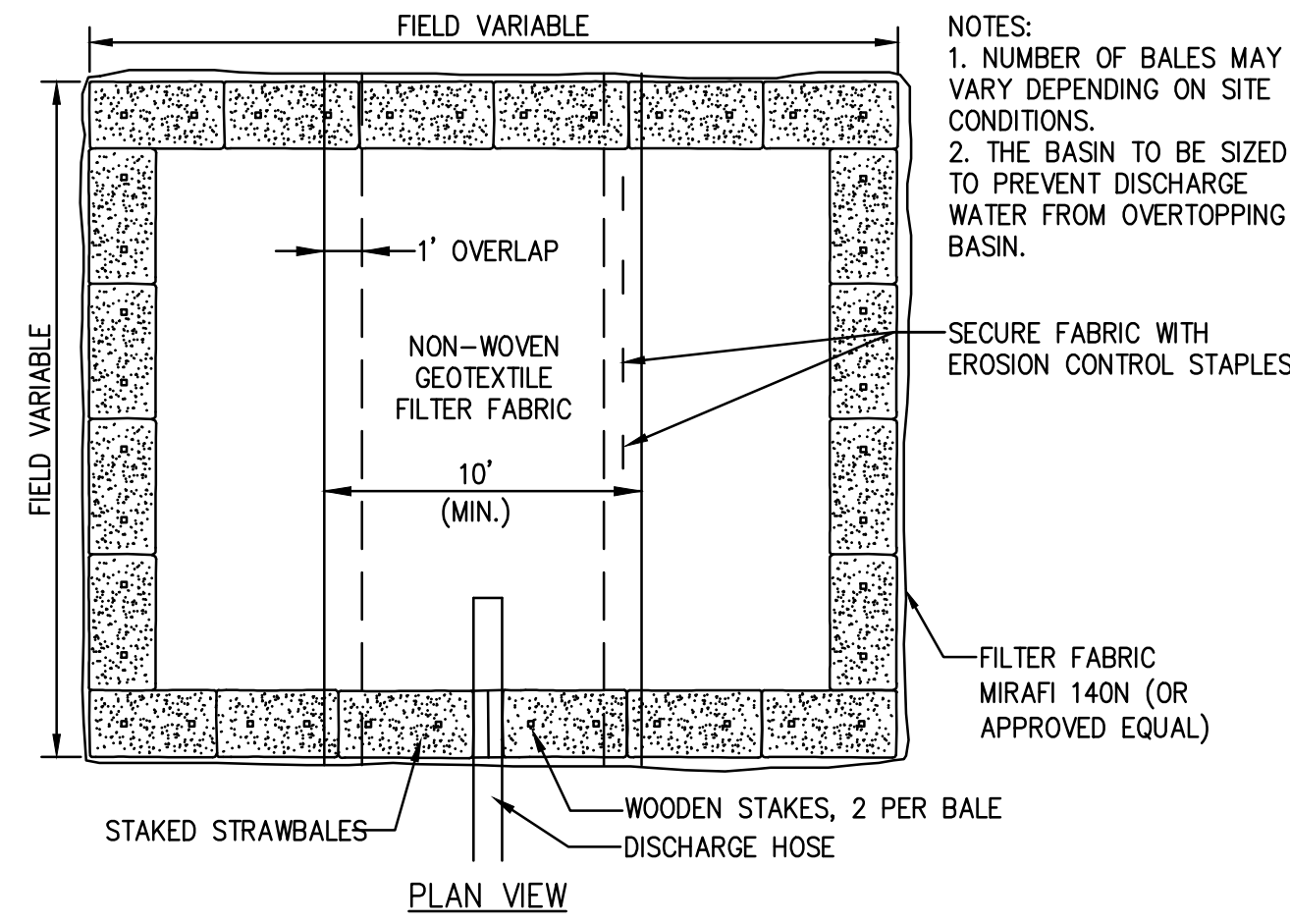
ALL SLOPES EXCEEDING 15% RESULTING FROM SITE GRADING SHALL BE BOTH COVERED WITH FOUR INCHES OF TOPSOIL AND PLANTED WITH A VEGETATED COVER SUFFICIENT TO PREVENT EROSION.



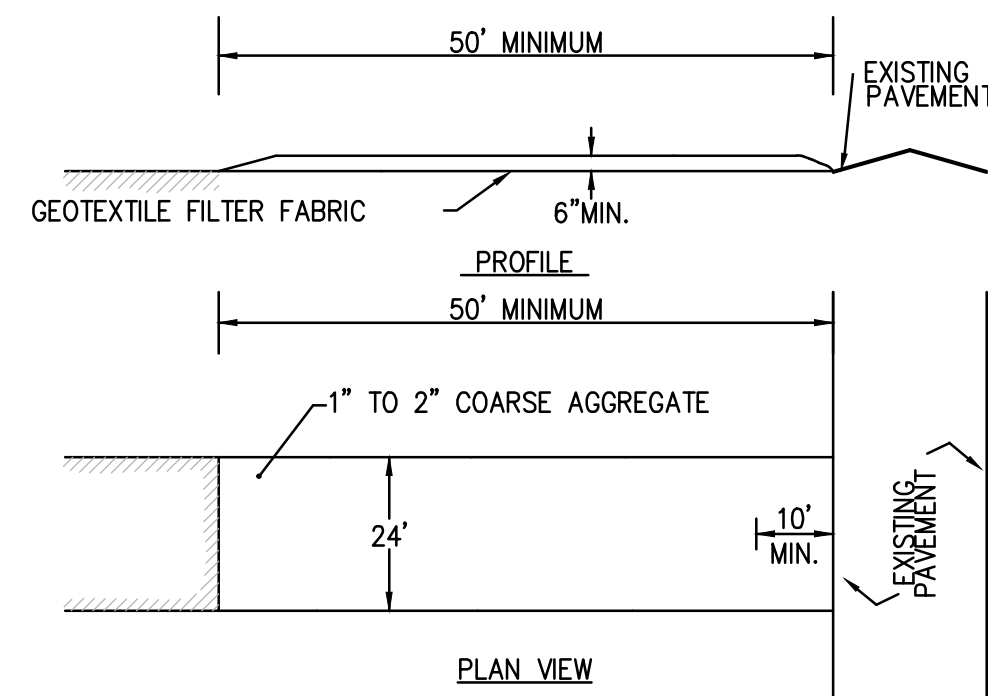
SILT SACK SEDIMENT TRAP CONSTRUCTION NOTES:

- INSTALL SILTSACK IN ALL CATCH BASINS WHERE INDICATED ON THE PLAN BEFORE COMMENCING WORK OR IN PAVED AREAS AFTER BINDER COURSE IS PLACED AND STRAWBALES HAVE BEEN REMOVED.
- GRATE TO BE PLACED OVER SILTSACK.
- SILTSACK SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS AND CLEANINGS OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED. MAINTAIN UNTIL UPSTREAM AREAS HAVE BEEN PERMANENTLY STABILIZED.

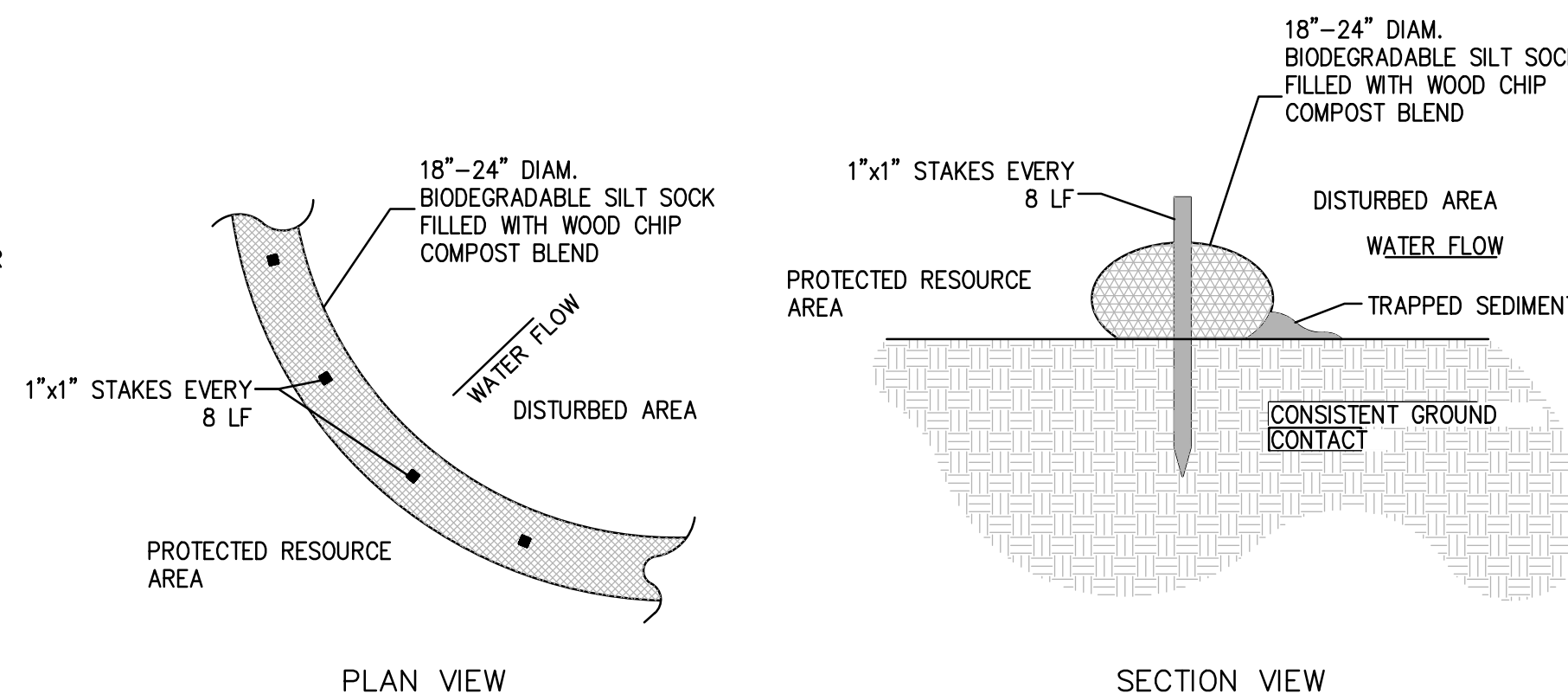
SILTSACK SEDIMENT TRAP
SCALE: N.T.S.



DEWATERING STRAWBALE BASIN DETAIL
SCALE: N.T.S.



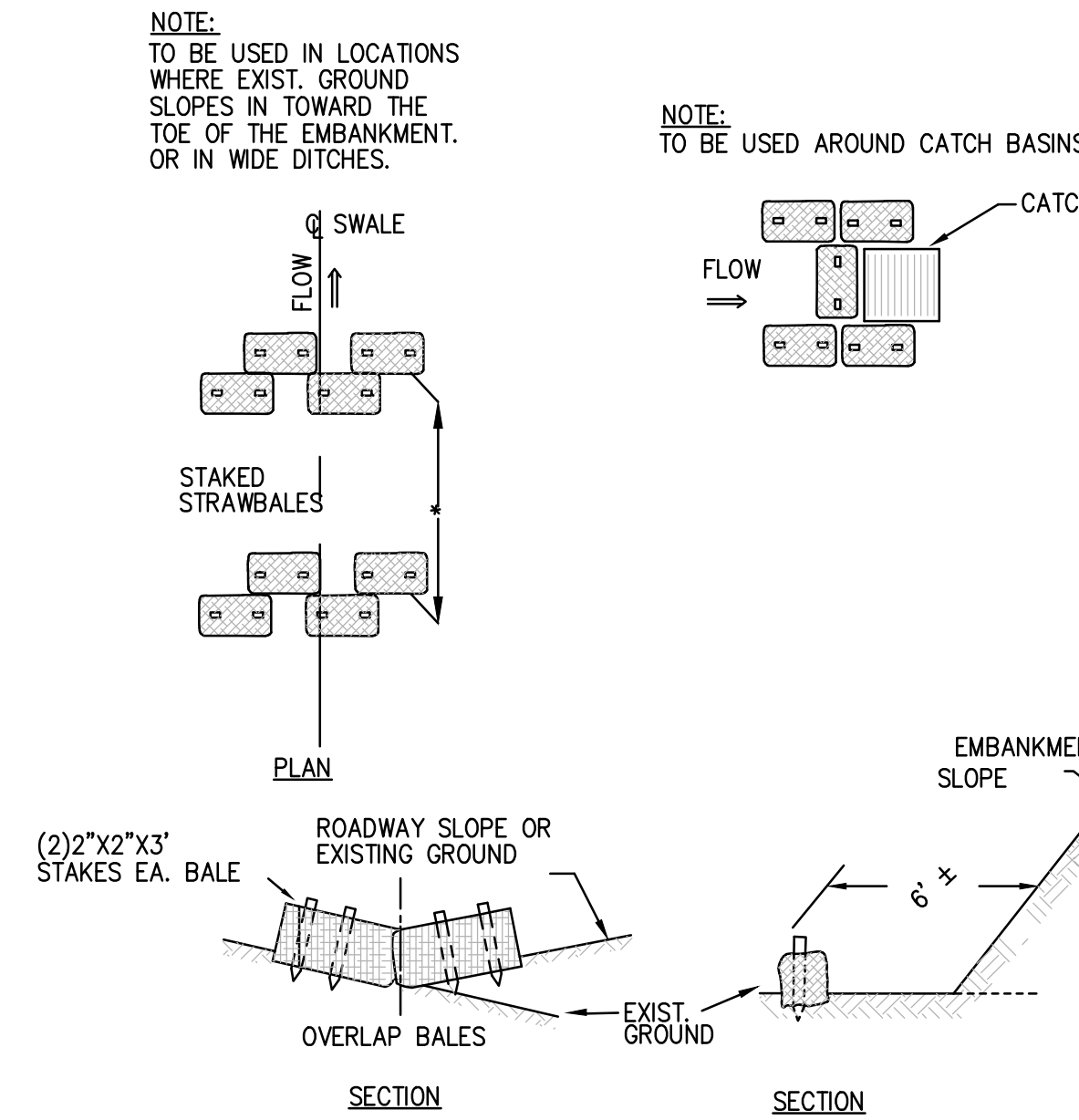
STABILIZED CONSTRUCTION ENTRANCE (SCE) DETAIL
SCALE: N.T.S.



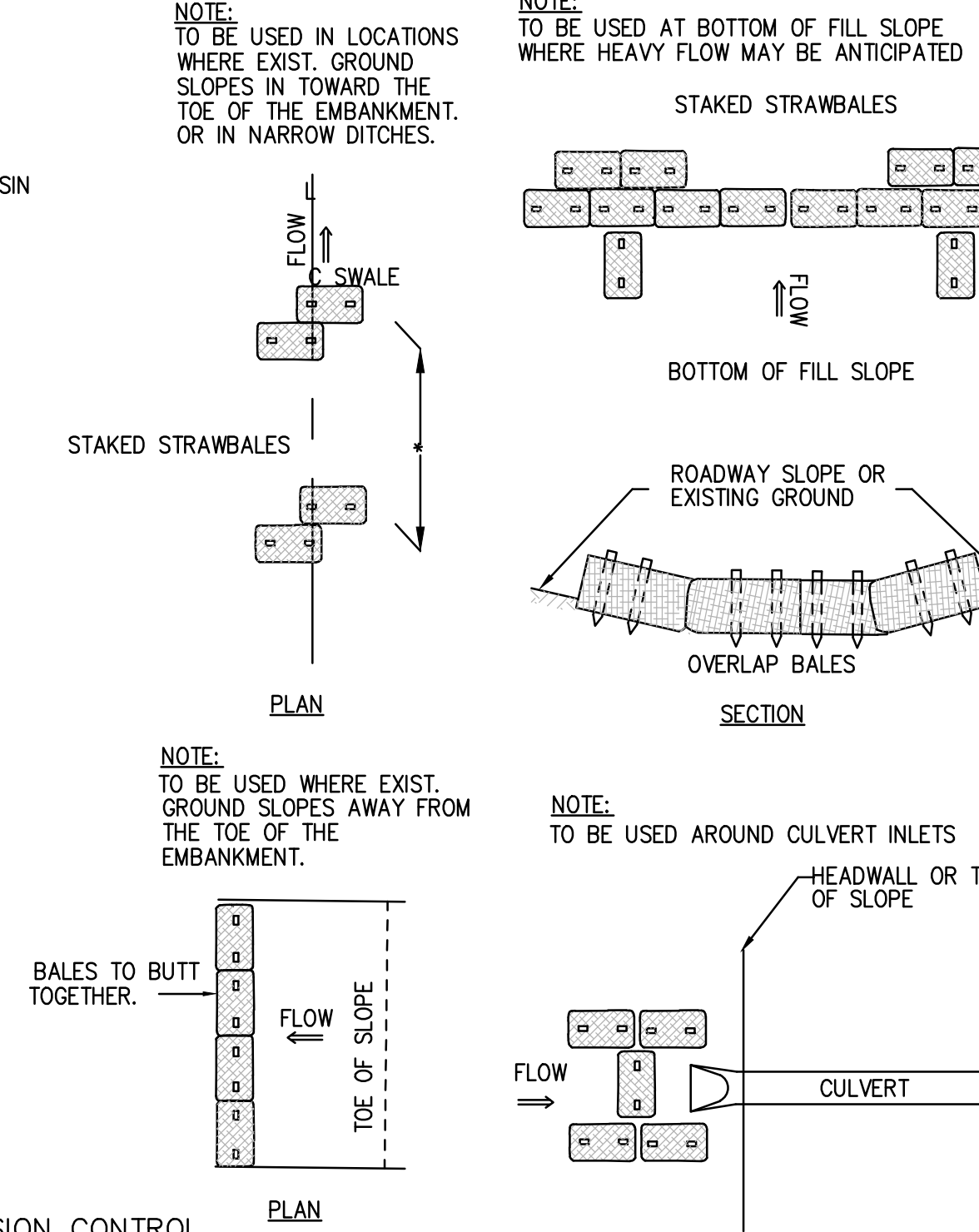
CONSTRUCTION NOTES:

- SILT SOCKS SHALL BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING OR LAPPING THE ADJACENT SECTIONS.
- SILT SOCKS SHALL BE SECURELY ANCHORED IN PLACE BY STAKES OR RE-BARS DRIVEN EVERY 8 LF.
- INSPECTION SHALL BE FREQUENT, AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS REQUIRED.
- SILT SOCKS SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS, SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.

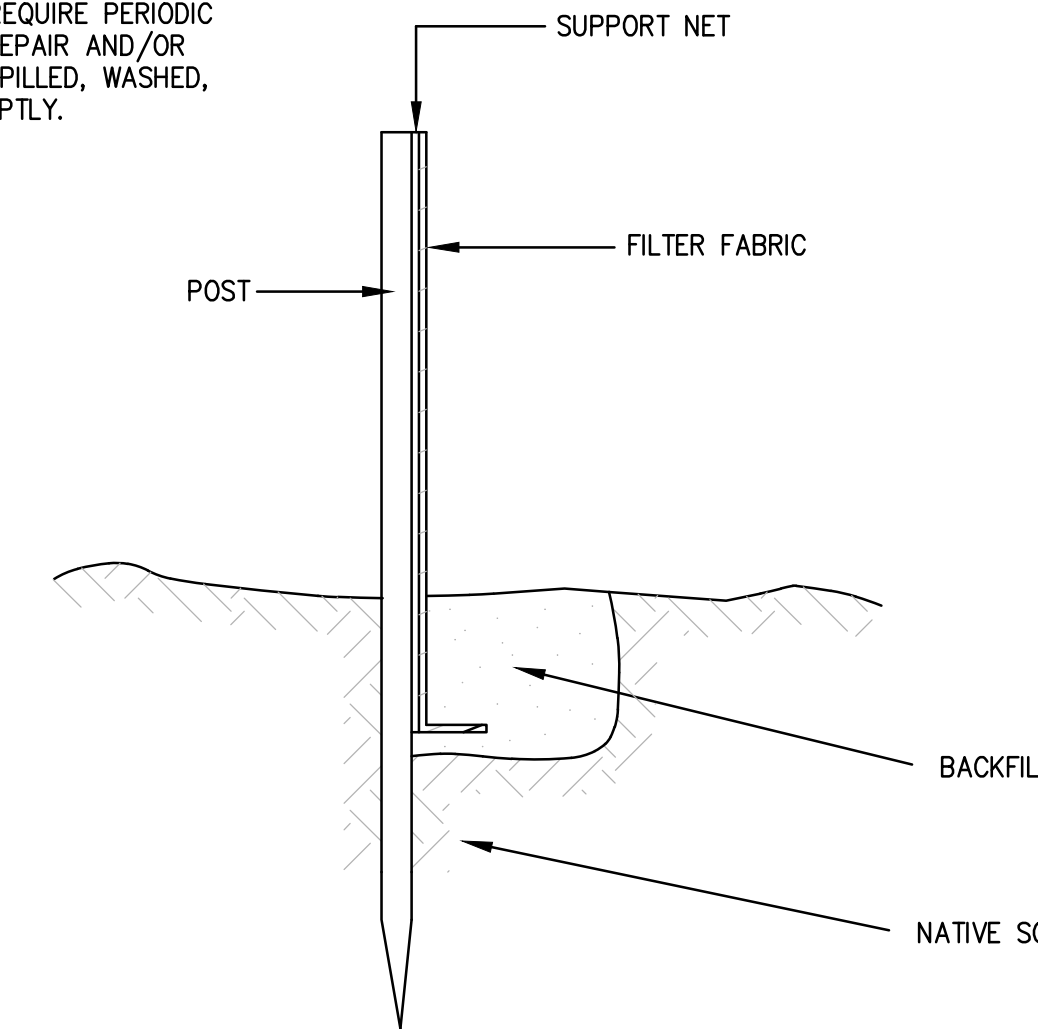
SILT SOCK DETAIL
SCALE: N.T.S.



TEMPORARY EROSION CONTROL
SCALE: N.T.S.

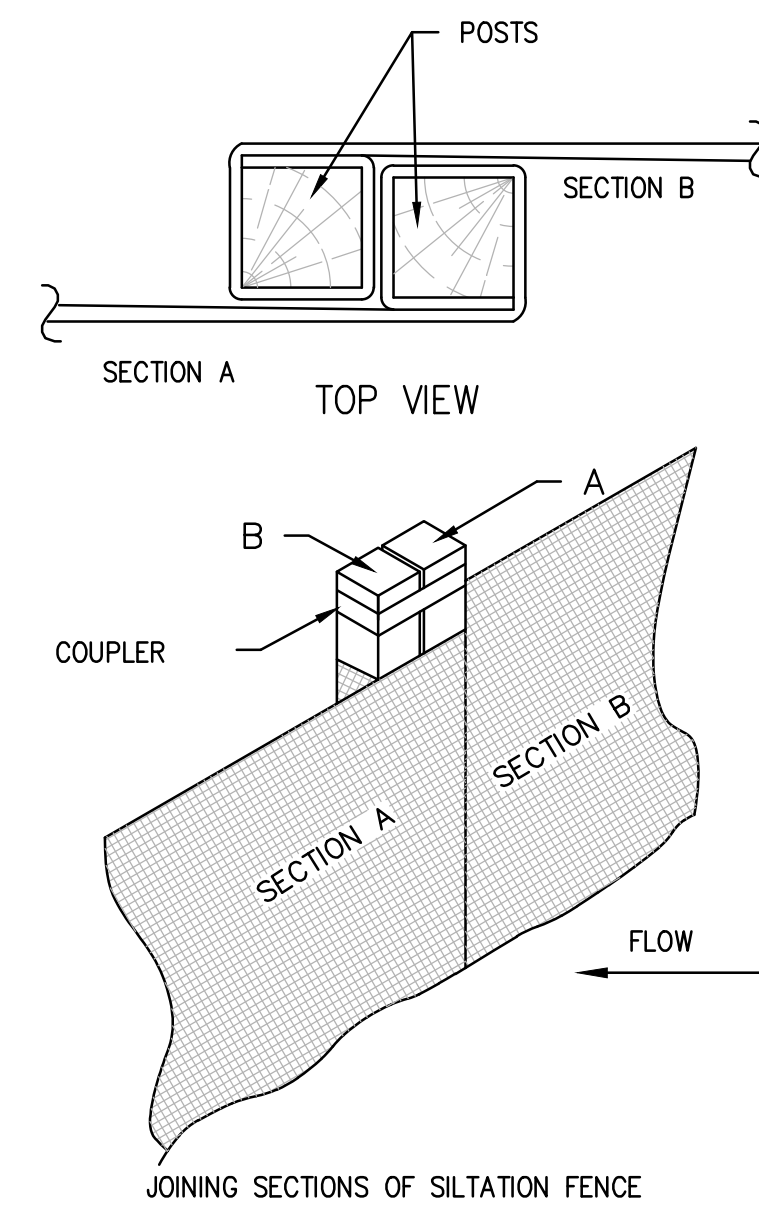


SILTATION FENCE
SCALE: N.T.S.



CONSTRUCTION NOTES:

- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
- FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 6 INCHES AND FOLDED.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.



NOTES:

- INSTALL SILTSACK IN ALL CATCH BASINS WHERE INDICATED ON THE PLAN BEFORE COMMENCING WORK OR IN PAVED AREAS AFTER BINDER COURSE IS PLACED AND STRAWBALES HAVE BEEN REMOVED.
- GRATE TO BE PLACED OVER SILTSACK.
- SILTSACK SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS AND CLEANING OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED. MAINTAIN UNTIL UPSTREAM AREAS HAVE BEEN PERMANENTLY STABILIZED.

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 Norwell, MA 02061
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 www.mckeng.com

SITE DEVELOPMENT PLAN
 (ASSESSORS MAP 58, BLOCK 5, LOT 37F)
 7 NEW DRIFTWAY
 SCITUATE, MASSACHUSETTS

PROFESSIONAL ENGINEER:



APPLICANT:
 DRIFT-WAY, LLC
 PO BOX 378
 TYNGSBORO, MA 01879

DRAWN BY: ESS
 DESIGNED BY: ESS
 CHECKED BY: BCM
 APPROVED BY: BCM
 DATE: JUNE 22, 2021
 SCALE:
 PROJECT NO.: 218-153
 DWG. TITLE:

CONSTRUCTION DETAILS

DWG. NO:

D-5

PERMIT PLAN SET