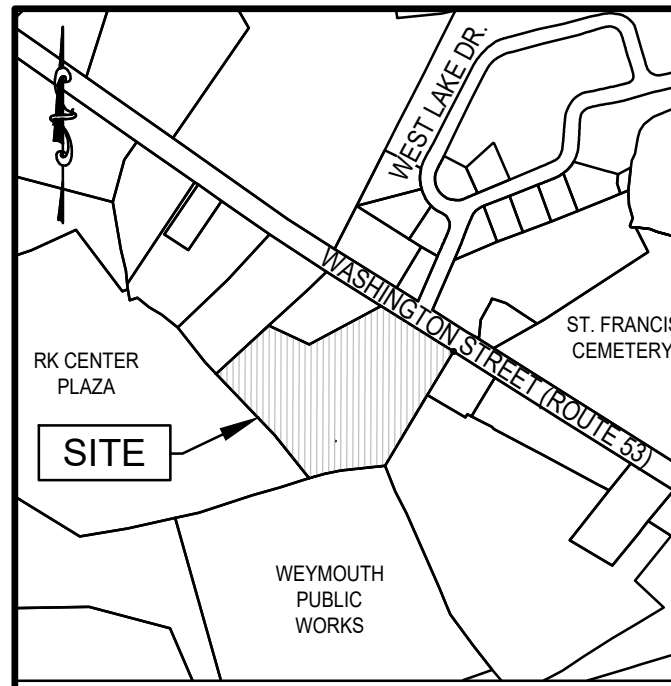


PROPOSED MIXED-USE DEVELOPMENT

655 WASHINGTON STREET

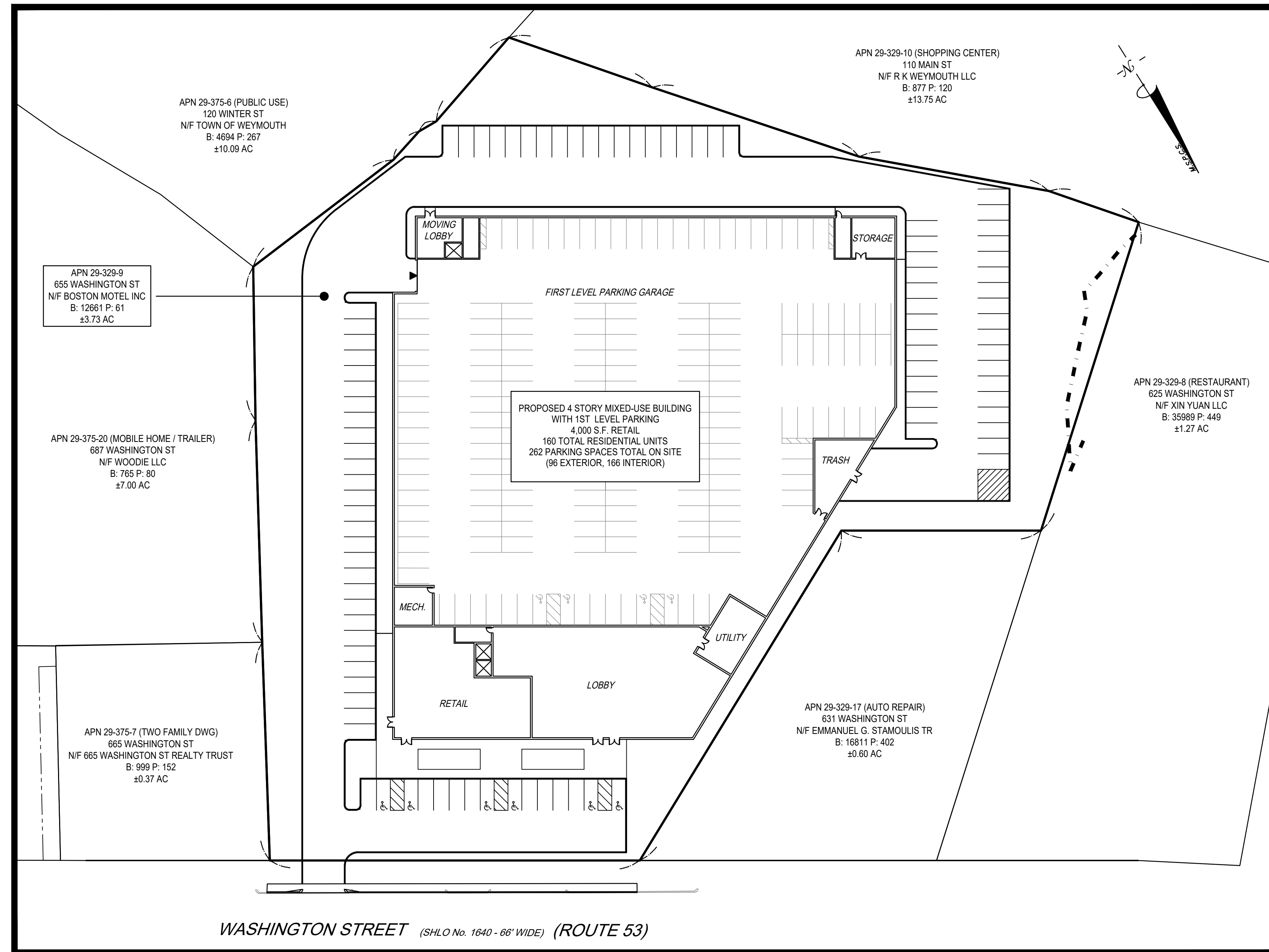
WEYMOUTH, MA



LOCUS MAP
1"=500'

Drawing Index:

No.	Drawing Title
C-1	COVER SHEET
EX-1	EXISTING CONDITIONS PLAN
C-2	GENERAL NOTES, LEGEND & ABBREVIATIONS
C-3	SITE LAYOUT PLAN
C-4	GRADING & DRAINAGE PLAN
C-5	UTILITY PLAN
D-1-D3	CONSTRUCTION DETAILS
ES-1	EROSION CONTROL & SEDIMENTATION PLAN



SCALE: 1" = 40'

Issue Date:
January 12, 2021

McKenzie Engineering Group, Inc. Consulting Engineers
150 Longwater Drive, Suite 101, Norwell, Massachusetts 02061

Owner:
Dipika, Inc.
655 Washington Street
Weymouth, MA 02188

Applicant:
Trinity Green Development, LLC
180 Canton Avenue
Milton, MA 02186

Engineer/Surveyor:
McKenzie Engineering Group, Inc.
150 Longwater Drive
Suite 101
Norwell, MA 02061

REV	DATE	DESCRIPTION	BY	APP



PROP. MIXED-USE DEVELOPMENT
ASSESSORS PARCEL 29-329-9-0
655 WASHINGTON STREET
WEYMOUTH, MASSACHUSETTS

PROFESSIONAL ENGINEER:



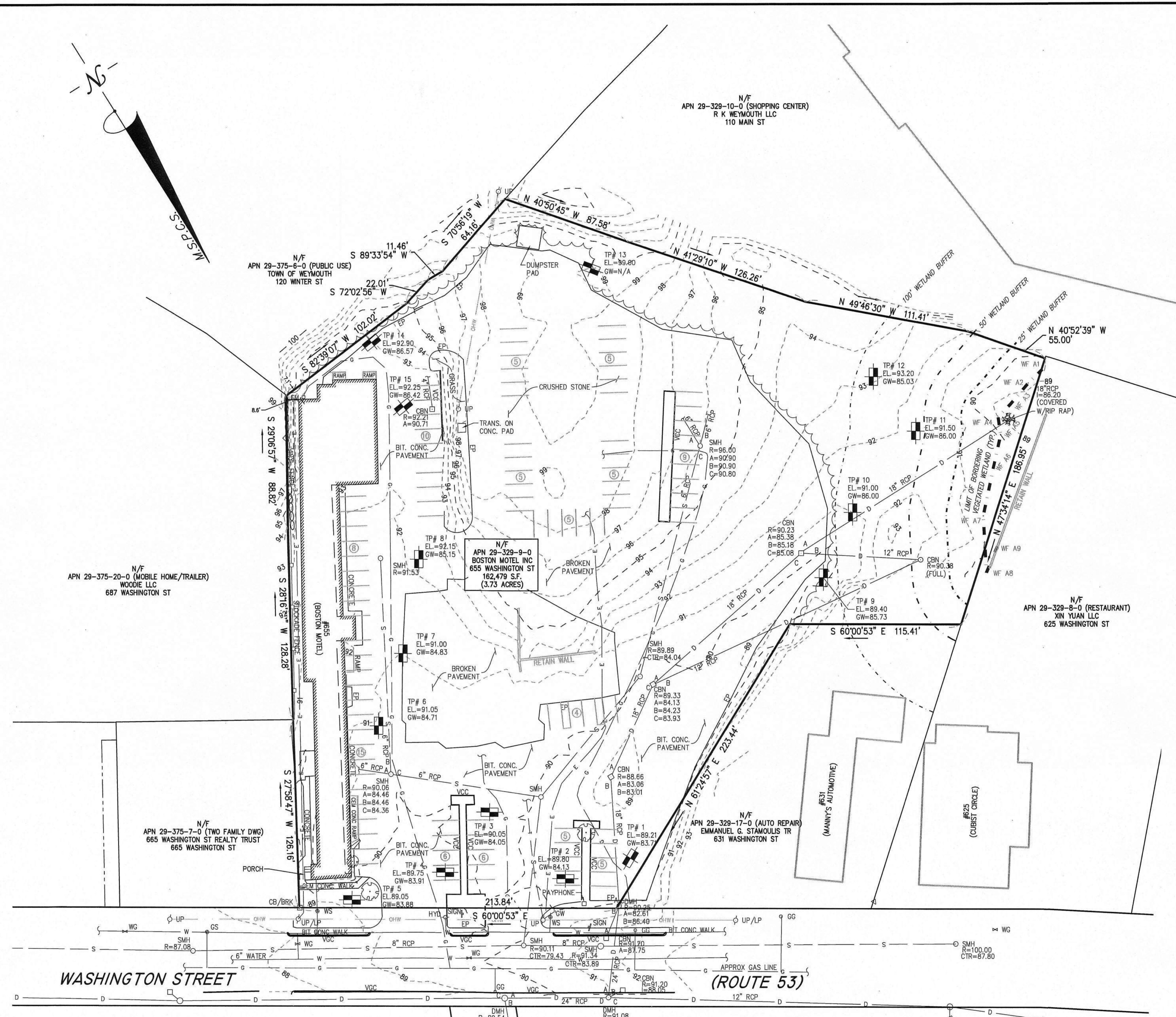
APPLICANT:
TRINITY GREEN DEVELOPMENT, LLC
180 CANTON AVE.
MILTON, MASSACHUSETTS 02186

DRAWN BY:	RPL
DESIGNED BY:	RPL
CHECKED BY:	AJC
APPROVED BY:	BCM
DATE:	1/12/21
SCALE:	AS NOTED
PROJECT NO.:	220-164
DWG. TITLE:	

Cover Sheet

DWG. NO: **C-1**

PERMIT PLAN SET



ABBREVIATIONS

FF	FIRST FLOOR ELEVATION
CB	BITUMINOUS CONCRETE PAVEMENT
EP	EDGE OF PAVEMENT
RC	REINFORCED 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

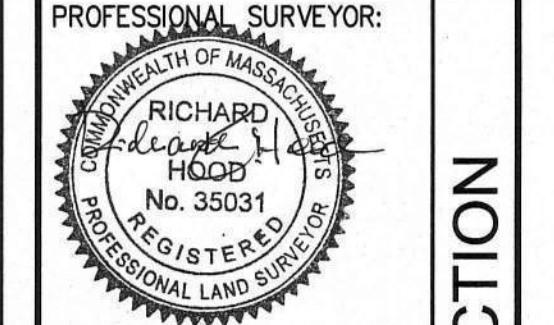
LINE DESIGNATORS

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

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

PROP. MIXED-USE DEVELOPMENT
ASSESSORS PARCEL 29-329-9-0
655 WASHINGTON STREET
WEYMOUTH, MASSACHUSETTS

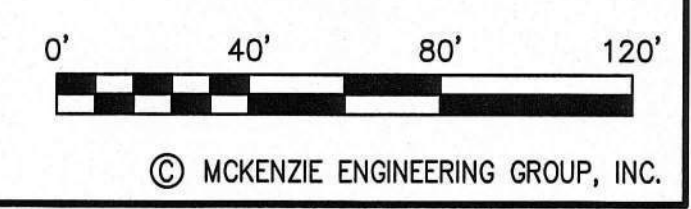


PROFESSIONAL SURVEYOR:
RICHARD HOOD
No. 35033
REGISTERED PROFESSIONAL LAND SURVEYOR

OWNERS/APPLICANT:
TRINITY GREEN DEVELOPMENT
180 CANTON AVE.
MILTON, MASSACHUSETTS 02186

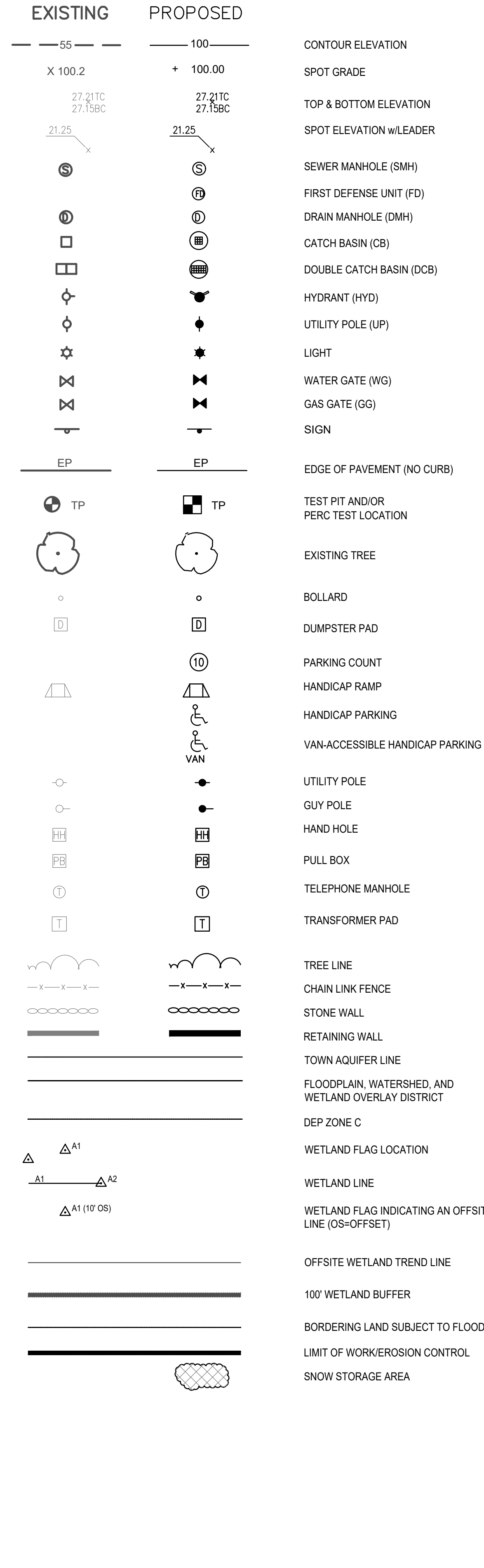
DRAWN BY: RPL
DESIGNED BY: RL
CHECKED BY: RTLS
APPROVED BY: RJH
DATE: 1/6/21
SCALE: 1"=40'
PROJECT NO.: 220-164
DWG. TITLE:
EXISTING CONDITIONS PLAN
DWG. NO.: **EX-1**

- SURVEY NOTES:**
- LOCUS IS SHOWN AS PARCEL NUMBER 29-329-9 ON THE TOWN OF WEYMOUTH ASSESSORS MAPS.
 - DEED TO LOCUS IS RECORDED IN THE NORFOLK COUNTY REGISTRY OF DEEDS AT BOOK 12661, PAGE 61.
 - THIS SURVEY WAS MADE ON THE GROUND IN SEPTEMBER OF 2020 BY MCKENZIE ENGINEERING GROUP, INC.
 - ELEVATIONS SHOWN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988.
 - WETLAND RESOURCE AREAS WERE DELINEATED BY ENVIRONMENTAL CONSULTING AND RESTORATION, LLC, AND LOCATED DURING THE FIELD SURVEY.
 - LOCUS IS ZONED LIMITED BUSINESS B-1 MINIMUM SETBACK REQUIREMENTS:
FRONT YARD 25'
SIDE YARD 10'
REAR YARD 15'
 - LOCUS IS SITUATED WITHIN A COMMERCIAL CORRIDOR OVERLAY DISTRICT (CCOD).
 - LOCUS IS SITUATED IN ZONE X AS SHOWN ON F.I.R.M. No 25021C0229E, EFFECTIVE 7/17/2012.
 - LOCUS IS NOT LOCATED IN A DEP ZONE 2 AND TOWN OF WEYMOUTH AQUIFER PROTECTION DISTRICT ZONE.
 - 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. BEFORE CONSTRUCTION CALL DIG SAFE SYSTEMS, INC. AT 1-888-344-7233.
 - PLAN REFERENCES:
LCP
22365A



© MCKENZIE ENGINEERING GROUP, INC.

ABAN ABANDONED
 ACP ASBESTOS CEMENT PIPE
 ACR ACCESSIBLE CURB RAMP
 ADJ ADJUST
 APPROX APPROXIMATE
 ASPH ASPHALT
 ACCMP ASPHALT COATED CORRUGATED METAL PIPE
 B BOLLARD
 BD BOUND
 BLDG BUILDING
 BIT CONC BITUMINOUS CONCRETE
 BM BENCHMARK
 BS BOTTOM OF SLOPE
 CAP CORRUGATED ALUMINUM PIPE
 CB CATCH BASIN
 C&C CUT AND CAPPED
 CB/DH CONC. BOUND/DRILL HOLE
 CB/E/PLP CB/ESCUTCHEON
 CCB CAPE COD BERM
 CIP CAST IRON PIPE
 CIT CHANGE IN TYPE
 CL CENTERLINE
 C CHAIN LINK FENCE
 CLF CLEAN OUT
 CO CONCRETE
 CONC CONDUIT
 COND CORRUGATED METAL PIPE
 CMP CORRUGATED POLYETHYLENE PIPE
 CPP COMBINED SEWER
 CS COMBINED SEWER MANHOLE
 CSMH CULVERT
 CULV DELTA ANGLE
 D DRAIN
 DCB DOUBLE CATCH BASIN
 DIP DUCTILE IRON PIPE
 DMH DRAIN MANHOLE
 E ELECTRIC
 ECC EXTRUDED CONCRETE CURB
 ELEV ELEVATION
 EMH ELECTRIC MANHOLE
 E/T/C ELECTRIC, TELEPHONE, & CABLE TV
 EW END WALL
 EXIST EXISTING
 FAB FIRE ALARM BOX
 FES FLARED END SECTION
 FND FOUND
 FND FOUNDATION
 F&C FRAME AND COVER
 F&G FRAME AND GRATE
 FD FIRST DEFENSE UNIT
 G GAS
 GD GROUND
 GG GAS GATE
 GIP GALVANIZED IRON PIPE
 GP GUARD POST
 GS GAS SERVICE
 GR GUARD RAIL
 GRAN GRANITE
 HH HANDHOLE
 HOR HORIZONTAL
 HP HIGH PRESSURE
 HWL HEADWALL
 HYD HYDRANT
 INV INVERT
 I.P. IRON PIN
 I.R. IRON ROD
 L LEAD
 LP LIGHT POLE
 LSA LANDSCAPED AREA
 MAX MAXIMUM
 MC METAL COVER
 MH MANHOLE
 MHB MASS. HIGHWAY BOUND
 MIN MINIMUM
 MLP METAL LIGHT POLE
 NIC NOT IN CONTRACT
 NTS NOT TO SCALE
 OHW OVERHEAD WIRE
 PB PULL BOX
 PE POLYETHYLENE PIPE
 P PROPERTY LINE
 PROP PROPOSED
 PVC POLYVINYL CHLORIDE PIPE
 PVMT PAVEMENT
 PWV PAVED WATER WAY
 RCP REINFORCED CONCRETE PIPE
 REM REMOVE
 REMOD REMODEL
 RET RETAIN
 ROW RIGHT OF WAY
 RR RAILROAD
 R&R REMOVE AND RESET
 R&S REMOVE AND STACK
 S SEWER
 SB STONE BOUND
 SB/DH STONE BOUND/DRILL HOLE
 SGC SLOPED GRANITE CURB
 SMH SEWER MANHOLE
 STA STATION
 SS SEWER SERVICE
 STL STEEL
 SW SIDEWALK
 T TELEPHONE
 TCB TRAFFIC CONTROL BOX
 TL TRAFFIC LIGHT
 TMH TELEPHONE MANHOLE
 T TREE
 TRANS TRANSFORMER
 TS TOP OF SLOPE
 TSV TAPPING SLEEVE, VALVE AND BOX
 TYP TYPICAL
 UP UTILITY POLE
 VCP VITRIFIED CLAY PIPE
 VERT VERTICAL
 VGC VERTICAL GRANITE CURB
 W WATER MAIN
 WG WATER GATE



GENERAL NOTES

- LOCUS OWNER: ASSESSOR'S PARCEL ID 29-329-9 (± 3.73 ACRES)
 BOSTON MOTEL INC
 655 WASHINGTON STREET
 WEYMOUTH, MA 02189
- DEED BOOK REFERENCE: NORFOLK COUNTY REGISTRY OF DEEDS BOOK 12661, PAGE 61
- LOCUS IS LOCATED IN THE CITY OF WEYMOUTH BUSINESS B-1 ZONING DISTRICT AND THE COMMERCIAL CORRIDOR OVERLAY DISTRICT (CCOD).
- LOCUS IS NOT LOCATED IN A DEP ZONE 2 AND CITY OF WEYMOUTH AQUIFER PROTECTION DISTRICT ZONE.
- LOCUS IS SITUATED IN ZONE X AS SHOWN ON F.I.R.M. NO 25021C0229E, EFFECTIVE JULY 17, 2012.
- TOPOGRAPHICAL INFORMATION AS SHOWN ON THE DESIGN PLANS BASED ON GROUND FIELD SURVEY PERFORMED BY MCKENZIE ENGINEERING GROUP, INC. IN SEPTEMBER 2020. ALL ELEVATIONS SHOWN REFER TO THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988. THE DELTA BETWEEN NAVD AND WEYMOUTH CITY BASE (WCB) IS -6.63'.
- ABUTTER INFORMATION COMPILED FROM CITY OF WEYMOUTH ASSESSOR'S INFORMATION.
- ALL LOCATIONS OF SUBSURFACE UTILITIES AND STRUCTURES WERE OBTAINED FROM AVAILABLE CITY AND UTILITY RECORDS. THE SIZE, TYPE AND LOCATION OF UTILITIES SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL PROPERLY LOCATE THE UTILITIES PRIOR TO THE BEGINNING OF CONSTRUCTION. THE CONTRACTOR SHALL OBTAIN UTILITY INFORMATION BY CONTACTING DIGSAFE (888-344-7233). THE CONTRACTOR SHALL EXCAVATE TEST PITS TO VERIFY UTILITY LINE LOCATIONS AS NECESSARY.
- ANY CHANGE IN THE FIELD CONDITIONS SHOULD BE REPORTED TO THE ENGINEER TO INSURE THAT ANY ANY MODIFICATIONS TO THE ORIGINAL DESIGN ARE PROPER AND ADEQUATE TO SERVE THE PROJECT'S NEEDS, AND COMPLY WITH THE APPLICABLE STANDARDS AND REGULATIONS.

GENERAL UTILITY NOTES:

- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AND STRUCTURES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF VARIOUS UTILITY COMPANIES AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THIS INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR MUST CONTACT THE APPROPRIATE UTILITY COMPANY. ANY GOVERNING PERMITTING AUTHORITY, AND "DIGSAFE" AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION WORK TO REQUEST EXACT FIELD LOCATION OF UTILITIES AND THE ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY UTILITIES INTERFERING WITH THE PROPOSED CONSTRUCTION AND APPROPRIATE REMEDIAL ACTION SHALL BE TAKEN BEFORE PROCEEDING WITH THE WORK. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLAN.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL CONTROL POINTS AND BENCHMARKS NECESSARY FOR THE WORK.
- THE CONTRACTOR SHALL COORDINATE ALL STREET WORK WITH THE WEYMOUTH DEPARTMENT OF PUBLIC WORKS.
- THE CONTRACTOR SHALL EXCAVATE THE UTILITY TRENCHES IN THE LOCATIONS SHOWN ON THE PLAN PRIOR TO COMMENCING WORK TO VERIFY THE ELEVATIONS AND LOCATIONS OF EXISTING UTILITIES. THE CONTRACTOR SHALL PROVIDE THE OWNER AND ENGINEER WITH THE RESULTS PRIOR TO COMMENCING ANY WORK.
- ALL WATER AND FIRE SERVICES SHALL BE INSTALLED WITH 6" OF COVER EXCEPT AS NOTED OR DETAILED OTHERWISE.
- THE LOCATION AND SIZES OF THE DOMESTIC WATER AND FIRE SERVICES SHALL BE PROVIDED DURING FINAL DESIGN AND WERE NOT SPECIFIED BY MCKENZIE ENGINEERING GROUP, INC.
- THE DOMESTIC WATER AND FIRE SERVICES SHALL BE CEMENT LINED DUCTILE IRON PIPE (C.L.D.I.) AND SHALL BE INSTALLED WITH APPROPRIATELY SIZED TAPPING SLEEVE, GATE VALVE AND BOX.
- ALL WATER AND FIRE SERVICE APPURTENANCES, MATERIALS, METHODS OF INSTALLATION SHALL MEET OR EXCEED ALL LOCAL MUNICIPAL REQUIREMENTS.
- THE FIRE SERVICE AND DOMESTIC WATER SERVICE SHALL BE ADEQUATELY PROTECTED AGAINST BACKFLOW (BACKFLOW PREVENTION) AT THE BUILDING.
- AFTER PRESSURE TESTING AND CHLORINATION IS COMPLETED, SAMPLES SHALL BE TAKEN FROM THE FIRE SERVICE AND DOMESTIC WATER SERVICE AND SHALL BE TESTED AT 200 PSI FOR A MINIMUM OF 2 HOURS. THE CONTRACTOR IS REQUIRED TO NOTIFY THE WEYMOUTH DEPARTMENT OF PUBLIC WORKS AT LEAST 24 HOURS PRIOR TO THE TESTING.
- THE FIRE SERVICE AND DOMESTIC WATER SERVICE SHALL BE TESTED IN ACCORDANCE WITH DEPARTMENT OF ENVIRONMENTAL PROTECTION REGULATIONS. A MINIMUM OF 2 SEPARATE WATER SAMPLES SHALL BE TESTED AT A STATE CERTIFIED LABORATORY.
- A MINIMUM OF 10 FEET CLEAR HORIZONTALLY SHALL BE MAINTAINED BETWEEN SANITARY SEWER SERVICES AND WATER SERVICES. WHENEVER CONDITIONS PREVENT A LATERAL SEPARATION OF 10 FEET TO A WATER SERVICE THE ELEVATION OF THE CROWN OF THE SEWER SHALL BE AT LEAST 18 INCHES BELOW THE INVERT OF THE WATER SERVICE.
- ALL GRAVITY SEWER PIPE SHALL BE POLYVINYL CHLORIDE (PVC) SDR-35 UNLESS OTHERWISE NOTED.
- WHERE SANITARY SEWERS CROSS WATER MAINS, THE SEWER SHALL BE LAID AT SUCH AN ELEVATION THAT THE CROWN OF THE SEWER IS AT LEAST 18 INCHES BELOW THE INVERT OF THE WATER MAIN. IF THE ELEVATION OF THE SEWER CANNOT BE VARIED TO MEET THIS REQUIREMENT, THE WATER MAIN SHALL BE RELOCATED TO PROVIDE THIS SEPARATION OR CONSTRUCTED WITH MECHANICAL-JOINT PIPE FOR A DISTANCE OF 10 FEET ON EACH SIDE OF THE SEWER. ONE FULL LENGTH OF WATER MAIN SHALL BE CENTERED OVER THE SEWER SO THAT BOTH JOINTS WILL BE AS FAR FROM THE SEWER AS POSSIBLE. WHENEVER IT IS IMPOSSIBLE TO OBTAIN VERTICAL SEPARATION AS STIPULATED ABOVE, BOTH THE WATER MAIN AND THE SEWER MAIN SHALL BE ENCASED IN CONCRETE FOR A MINIMUM DISTANCE OF 10 FEET FROM THE CROSSING POINT OF THE OTHER PIPE AS MEASURED NORMALLY FROM ALL POINTS ALONG THE PIPE.
- THE LOCATIONS OF PROPOSED ELECTRIC, TELEPHONE, COMMUNICATION (E.T.C.) AND FIRE SERVICES ARE APPROXIMATE. THE PROJECT ELECTRICAL ENGINEER SHALL VERIFY THESE LOCATIONS PRIOR TO THE START OF CONSTRUCTION AND SHALL COORDINATE ALL E.T.C. WORK WITH THE APPROPRIATE UTILITY COMPANIES.
- THE PROPOSED GAS SERVICE LOCATIONS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL COORDINATE THE GAS SERVICE INSTALLATION WITH THE GAS COMPANY. THE CLIENT AND CONTRACTOR SHALL CONFIRM THE LOCATION AND SIZE OF THE PROPOSED GAS SERVICES WITH THE GAS COMPANY.
- IF DURING THE CONSTRUCTION PROCESS THE NEED FOR EXCAVATION DEWATERING ARISES, A DEWATERING FILTER PIT SHALL BE CONSTRUCTED IN ACCORDANCE WITH APPROPRIATE STORMWATER MANAGEMENT AND ENGINEERING PRACTICES.

REV	DATE	DESCRIPTION	BY	APP



PROP. MIXED-USE DEVELOPMENT
 ASSESSORS PARCEL 29-329-9-0
 655 WASHINGTON STREET
 WEYMOUTH, MASSACHUSETTS



APPLICANT:
TRINITY GREEN DEVELOPMENT, LLC
 180 CANTON AVE.
 MILTON, MASSACHUSETTS 02186

DRAWN BY:	RPL
DESIGNED BY:	RPL
CHECKED BY:	AJC
APPROVED BY:	BCM
DATE:	1/12/21
SCALE:	NOT TO SCALE
PROJECT NO.:	220-164

DWG. TITLE:
General Notes, Legend, & Abbreviations

DWG. NO.: **C-2**



CITY OF WEYMOUTH - SCHEDULE OF DISTRICT REGULATIONS

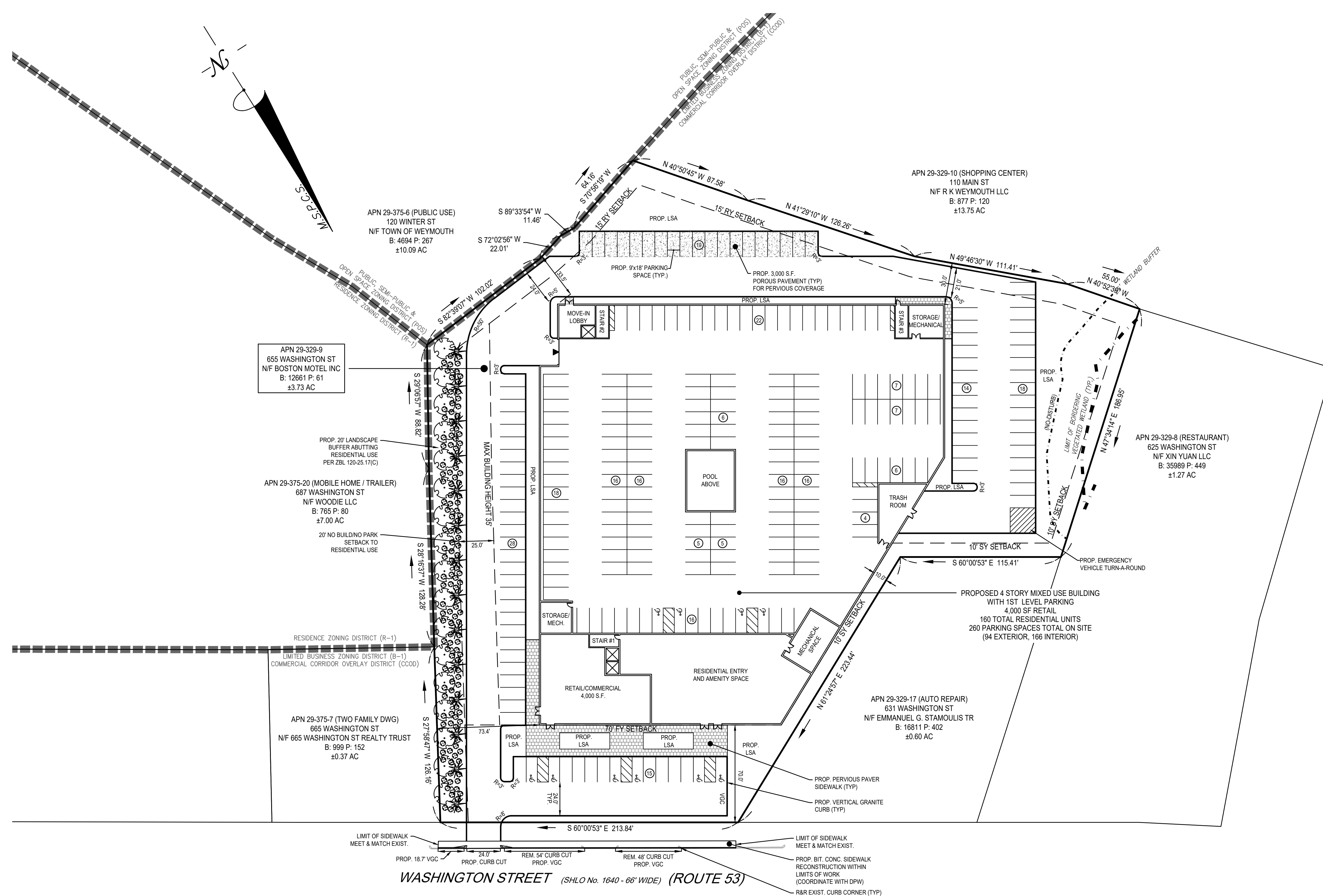
LIMITED BUSINESS B-1 / COMMERCIAL CORRIDOR OVERLAY DISTRICT - ARTICLE VIIB / WASHINGTON STREET CORRIDOR	REQUIRED	EXISTING	PROPOSED
MINIMUM LOT AREA	10,000 S.F.	161,670 S.F.	161,670 S.F.
MINIMUM LOT WIDTH	100 FT.	225.88 FT.	259.07 FT.
MINIMUM FRONT YARD SETBACK	25 FT.	18.63 FT.	70 FT.
MAXIMUM FRONT YARD SETBACK	70 FT.	18.63 FT.	70 FT.
MINIMUM SIDE YARD SETBACK	10 FT.	8.6 FT.	10 FT.
MINIMUM REAR YARD SETBACK	15 FT.	6.57 FT.	29.9 FT.
MAXIMUM BUILDING HEIGHT	5 STORIES & 70 FT.	2-STORY	4-STORY
MINIMUM BUILDING HEIGHT	3 STORIES & 45 FT.	2-STORY	4-STORY
MAXIMUM LOT COVERAGE	60%	15.9%	47.2%
MAXIMUM FLOOR AREA RATIO (FAR)	1.00	--	0.98
MAXIMUM IMPERVIOUS COVERAGE	75%	65.7%	75%

ZBL 120-25.20(A) REQUIRED PARKING & 120-74(L) MINIMUM REQUIRED SPACES

COMPONENT	MINIMUM SPACES	MAXIMUM SPACES	REQUIRED (MIN.)	REQUIRED (MAX.)	PROVIDED
STUDIOS & ONE BEDROOM DWELLING UNITS 117 TOTAL UNITS	1.25 PER UNIT	1.5 PER UNIT	146.25 SPACES	175.5 SPACES	157 SPACES
ALL OTHER RESIDENTIAL DWELLING UNITS 43 TOTAL UNITS	1.5 PER UNIT	2.0 PER UNIT	64.5 SPACES	86 SPACES	75 SPACES
RETAIL 4,000 SF	1 SPACE FOR EACH 200 SF OF GROSS FLOOR AREA ON FIRST FLOOR	--	20 SPACES	20 SPACES	30 SPACES
			231 SPACES	282 SPACES	260 SPACES (94 EXTERIOR) (166 INTERIOR)

ZBL 120-25.17(C) ADDITIONAL REQUIREMENTS WHEN ABUTTING A RESIDENTIAL USE

BUFFER COMPONENT	REQUIRED	PROPOSED
NO BUILD / NO PARK BUFFER	20 FT.	20 FT.
WALL HEIGHT (MIN)	6 FT.	N/A
SHADE TREES (MIN PER 100')	5	5
UNDERSTORY TREES (MIN PER 100')	4	4
SHRUBS (MIN PER 100')	40	40
SHRUB HEIGHT (MIN)	4 FT.	4 FT.



REV	DATE	DESCRIPTION	BY	APP



PROP. MIXED-USE DEVELOPMENT
ASSESSORS PARCEL 29-329-9-0
655 WASHINGTON STREET
WEYMOUTH, MASSACHUSETTS

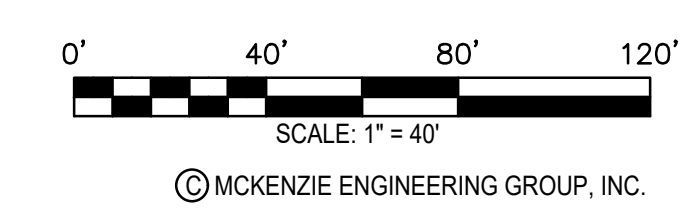


APPLICANT:
TRINITY GREEN DEVELOPMENT, LLC
 180 CANTON AVE.
 MILTON, MASSACHUSETTS 02186

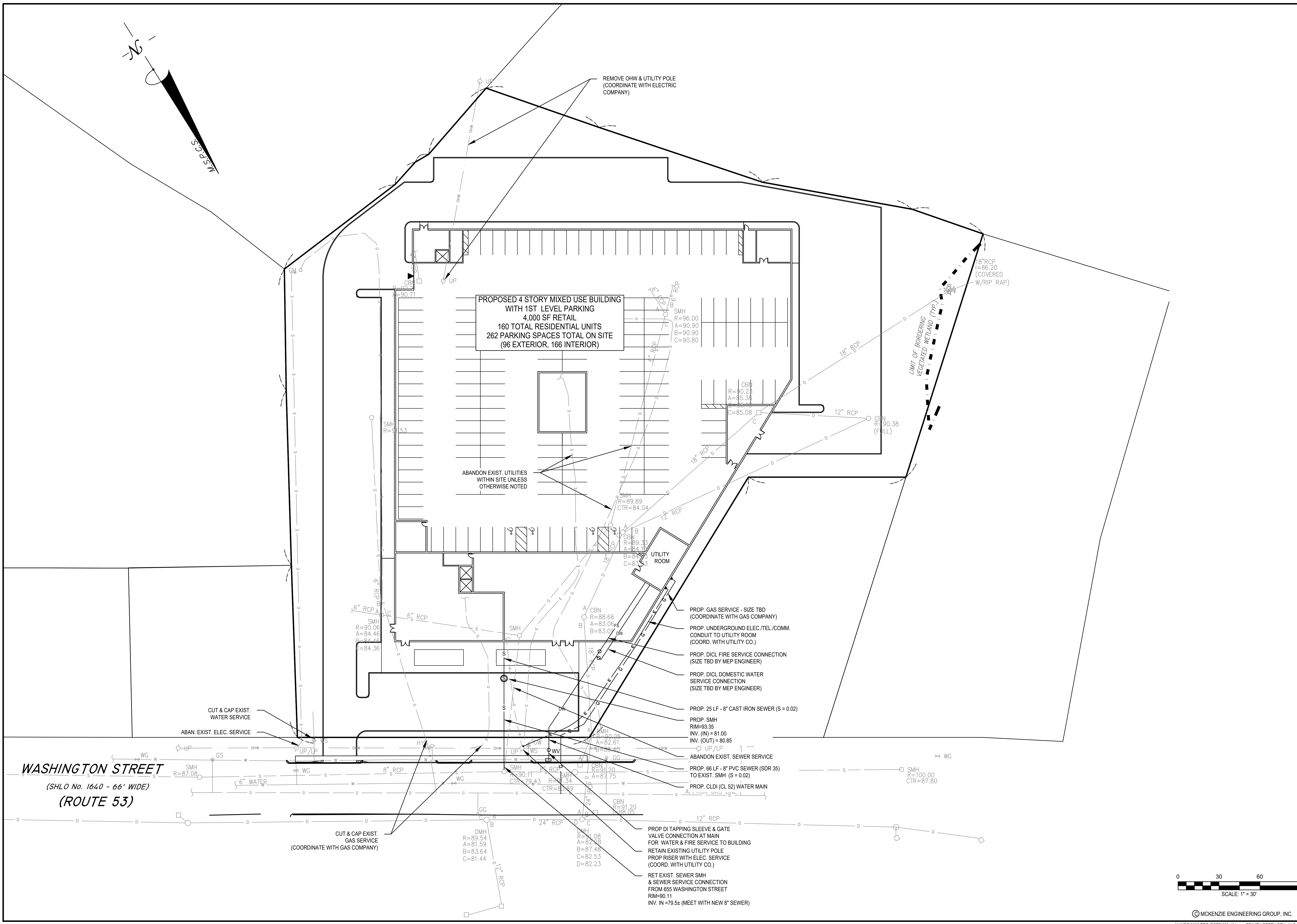
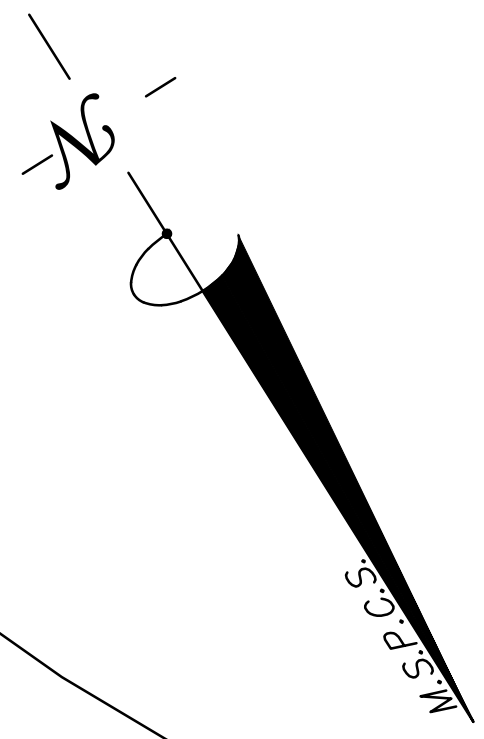
DRAWN BY: RPL
 DESIGNED BY: RPL
 CHECKED BY: AJC
 APPROVED BY: BCM
 DATE: 1/12/21
 SCALE: 1"=40'
 PROJECT NO.: 220-164
 DWG. TITLE:

Site Layout Plan

DWG. NO.: **C-3**



© MCKENZIE ENGINEERING GROUP, INC.



REV	DATE	DESCRIPTION	BY	APP

MG
MCKENZIE ENGINEERING GROUP
 Assinippi Office Park
 150 Longwater Drive, Suite 101
 Norwell, MA 02061
 P: 781.792.3800
 F: 781.792.0333
 www.mckeng.com

PROP. MIXED-USE DEVELOPMENT
ASSESSORS PARCEL 29-329-9-0
655 WASHINGTON STREET
WEYMOUTH, MASSACHUSETTS



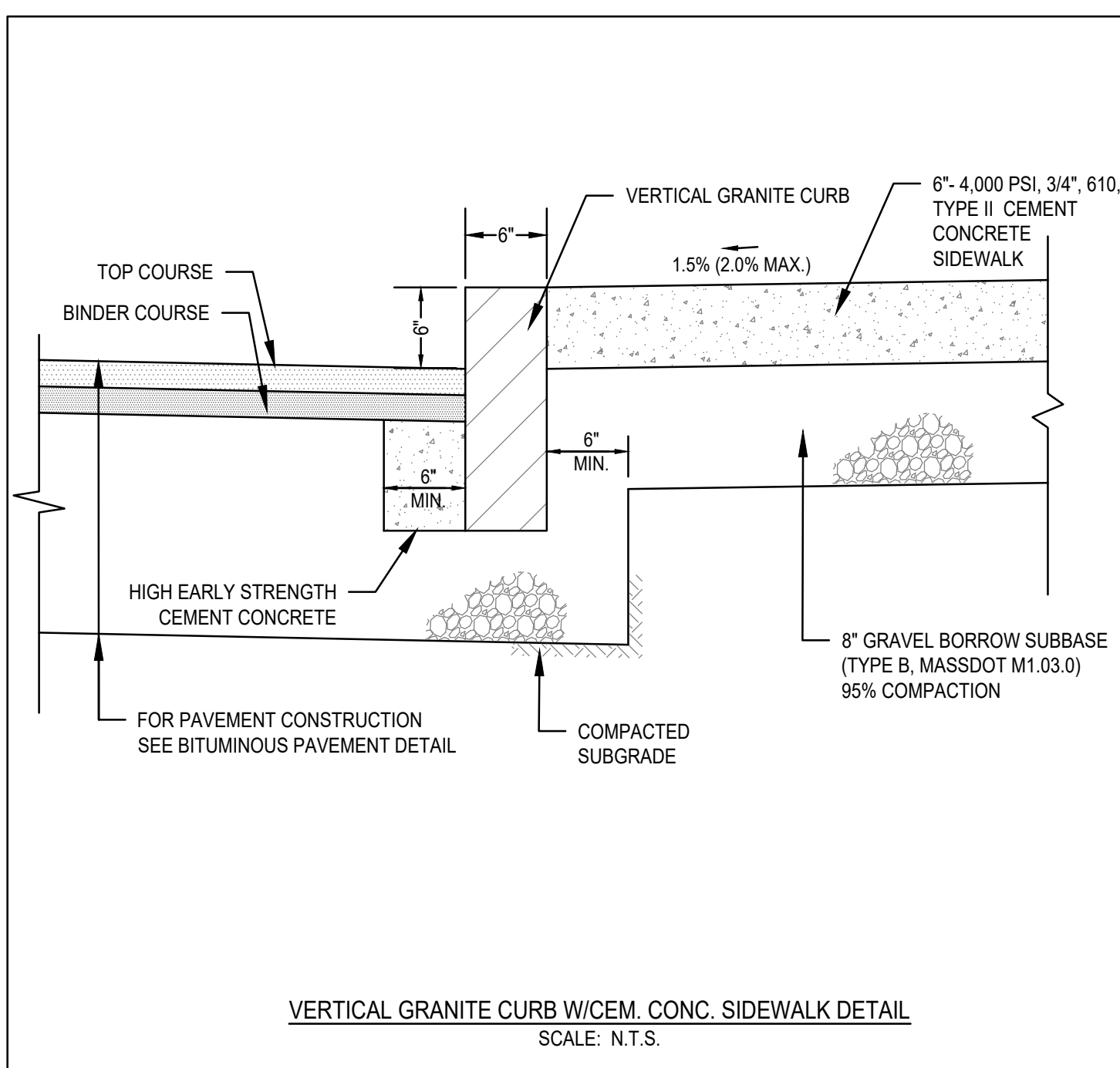
APPLICANT:
TRINITY GREEN DEVELOPMENT, LLC
 180 CANTON AVE.
 MILTON, MASSACHUSETTS 02186

DESIGNED BY: RPL
 CHECKED BY: AJC
 APPROVED BY: BCM
 DATE: 1/12/21
 SCALE: 1" = 30'
 PROJECT NO.: 220-164
 DWG. TITLE: **UTILITY PLAN**

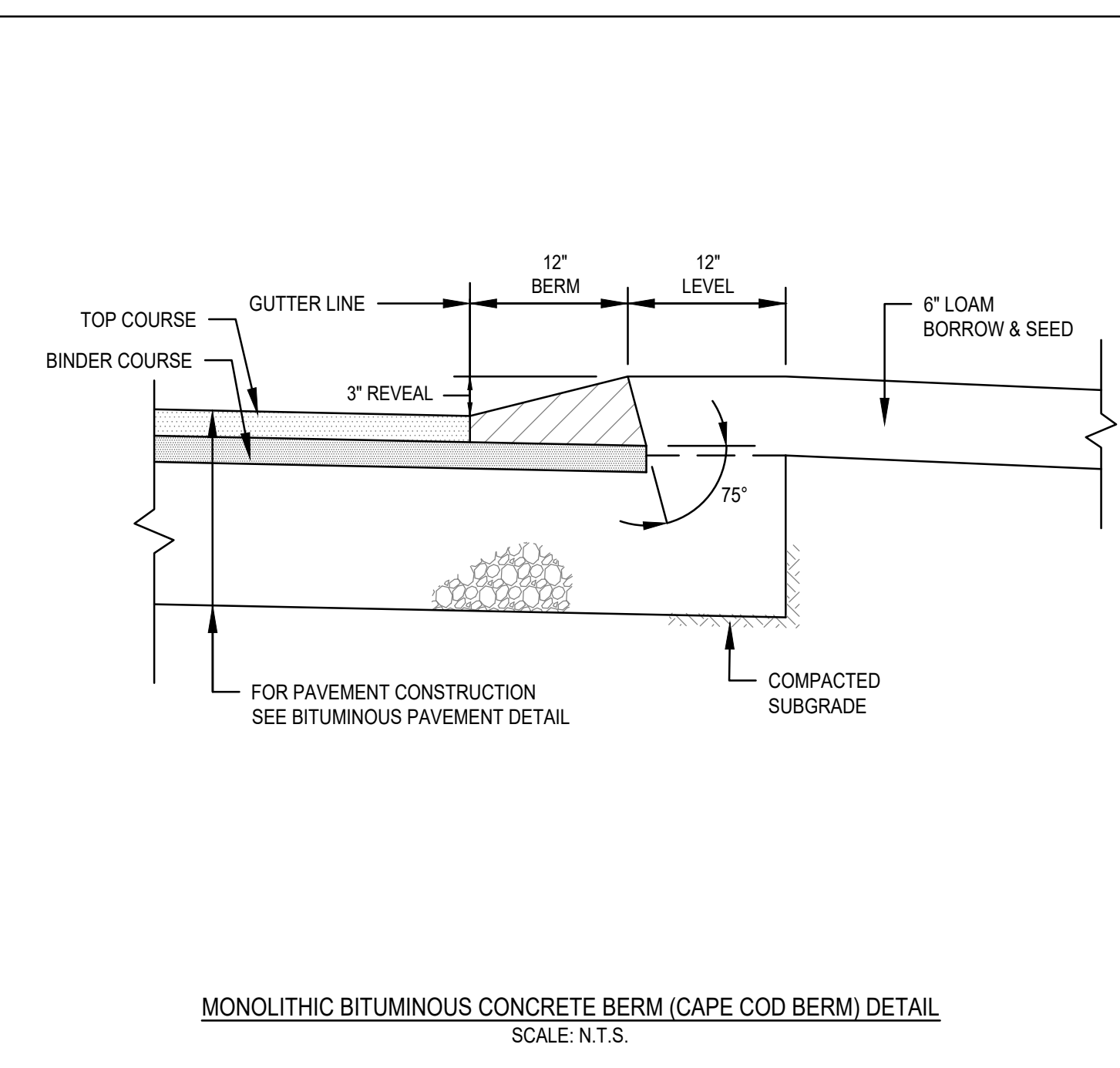
PERMIT PLAN SET

DWG. NO.: **C-5**

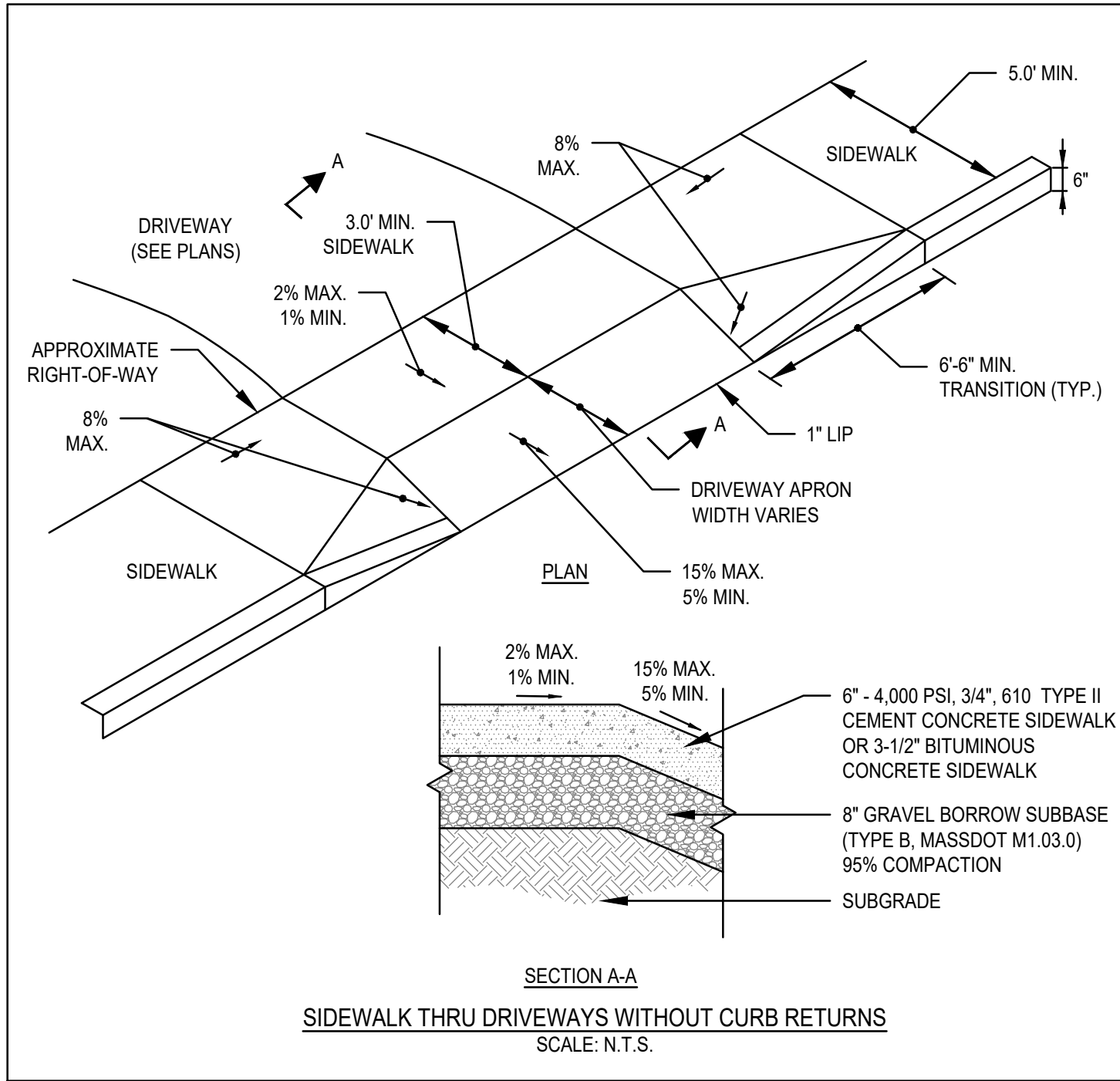
© MCKENZIE ENGINEERING GROUP, INC.
 M:\MEG\2020 PROJECTS\220-164 TRINITY GREEN DEV., LLC - 655 WASHINGTON ST., WEYMOUTH\DWGS\220-164 C-5.DWG



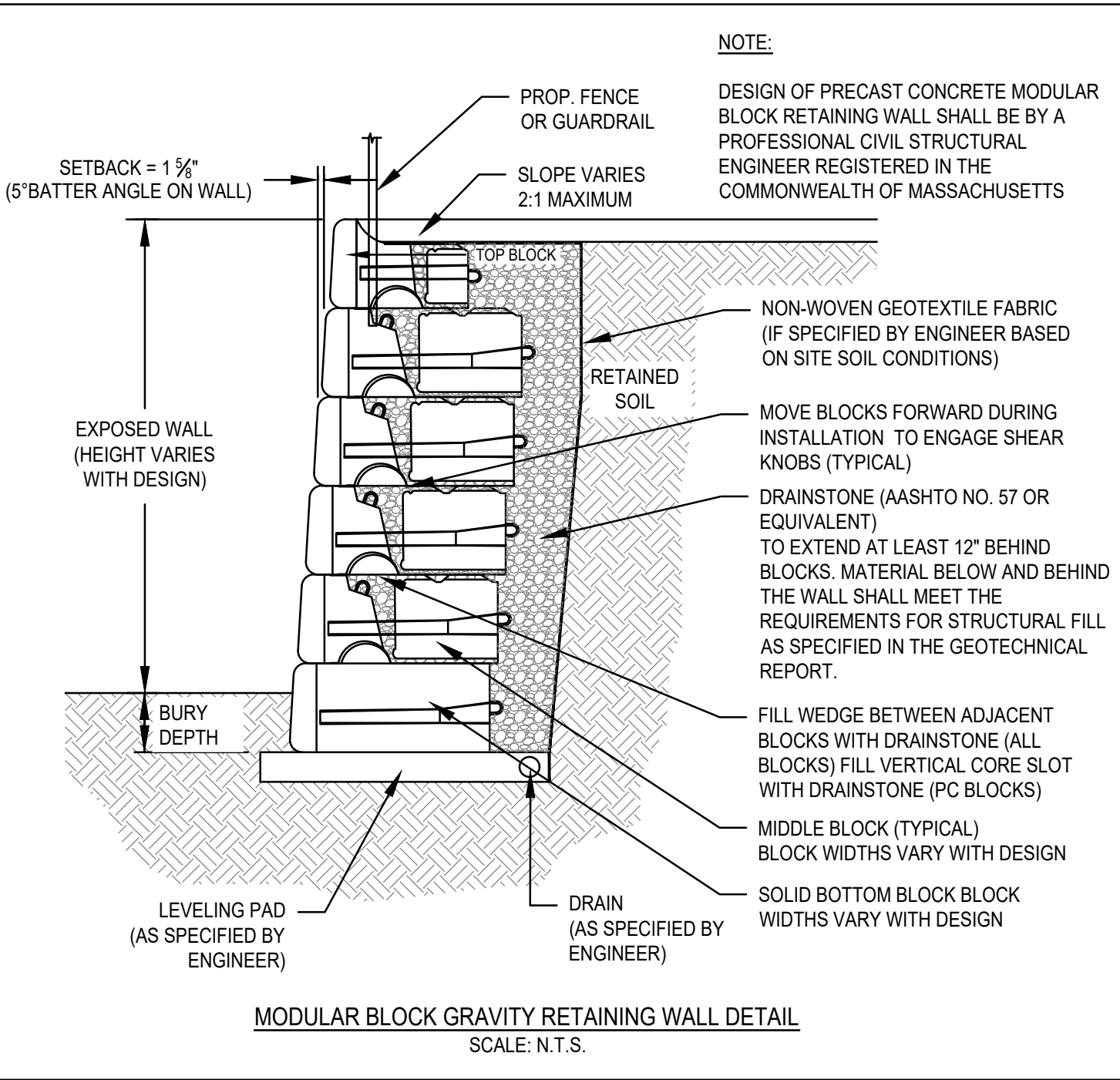
VERTICAL GRANITE CURB W/CEM. CONC. SIDEWALK DETAIL
SCALE: N.T.S.



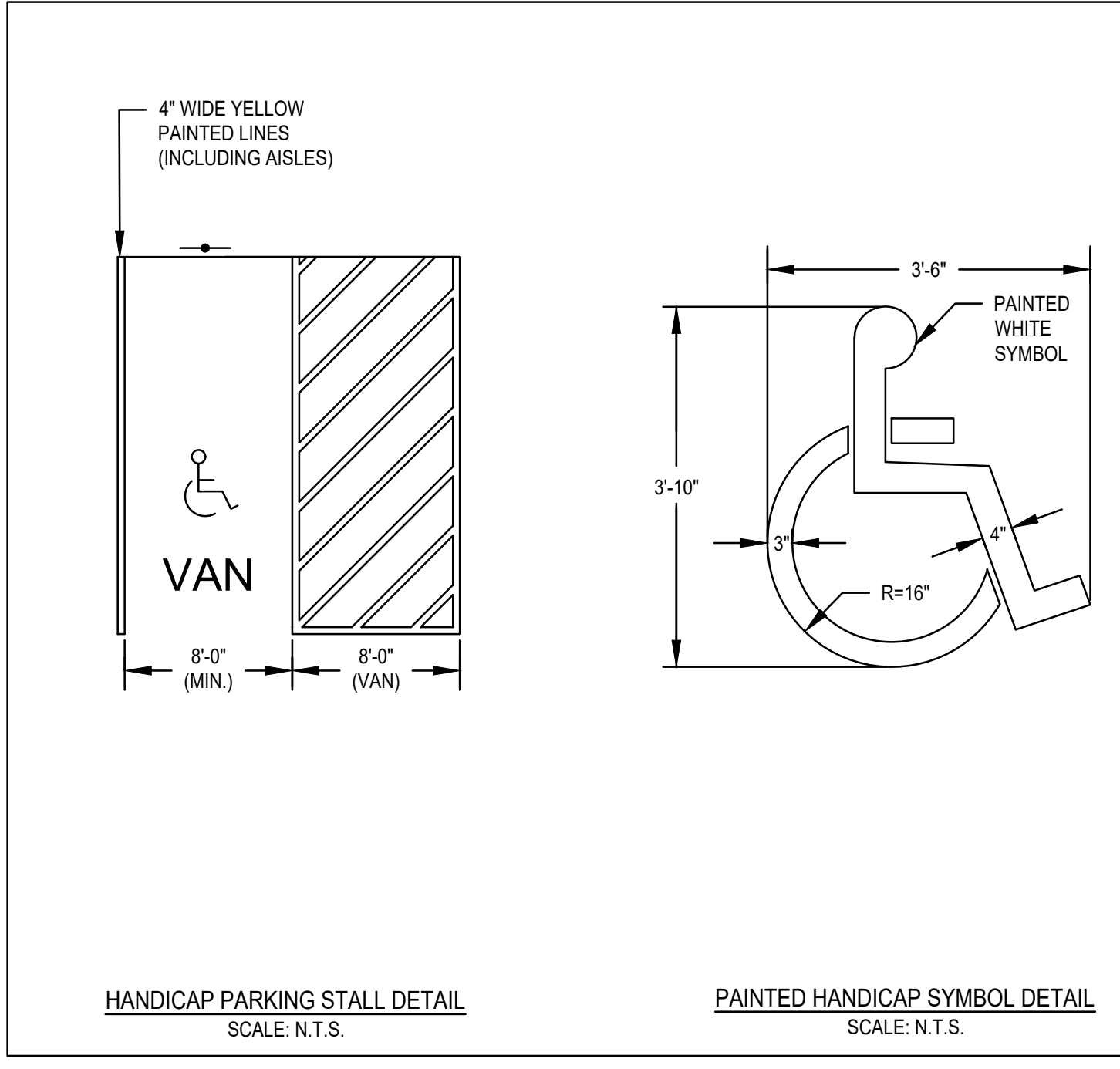
MONOLITHIC BITUMINOUS CONCRETE BERM (CAPE COD BERM) DETAIL
SCALE: N.T.S.



SECTION A-A
SIDEWALK THRU DRIVEWAYS WITHOUT CURB RETURNS
SCALE: N.T.S.

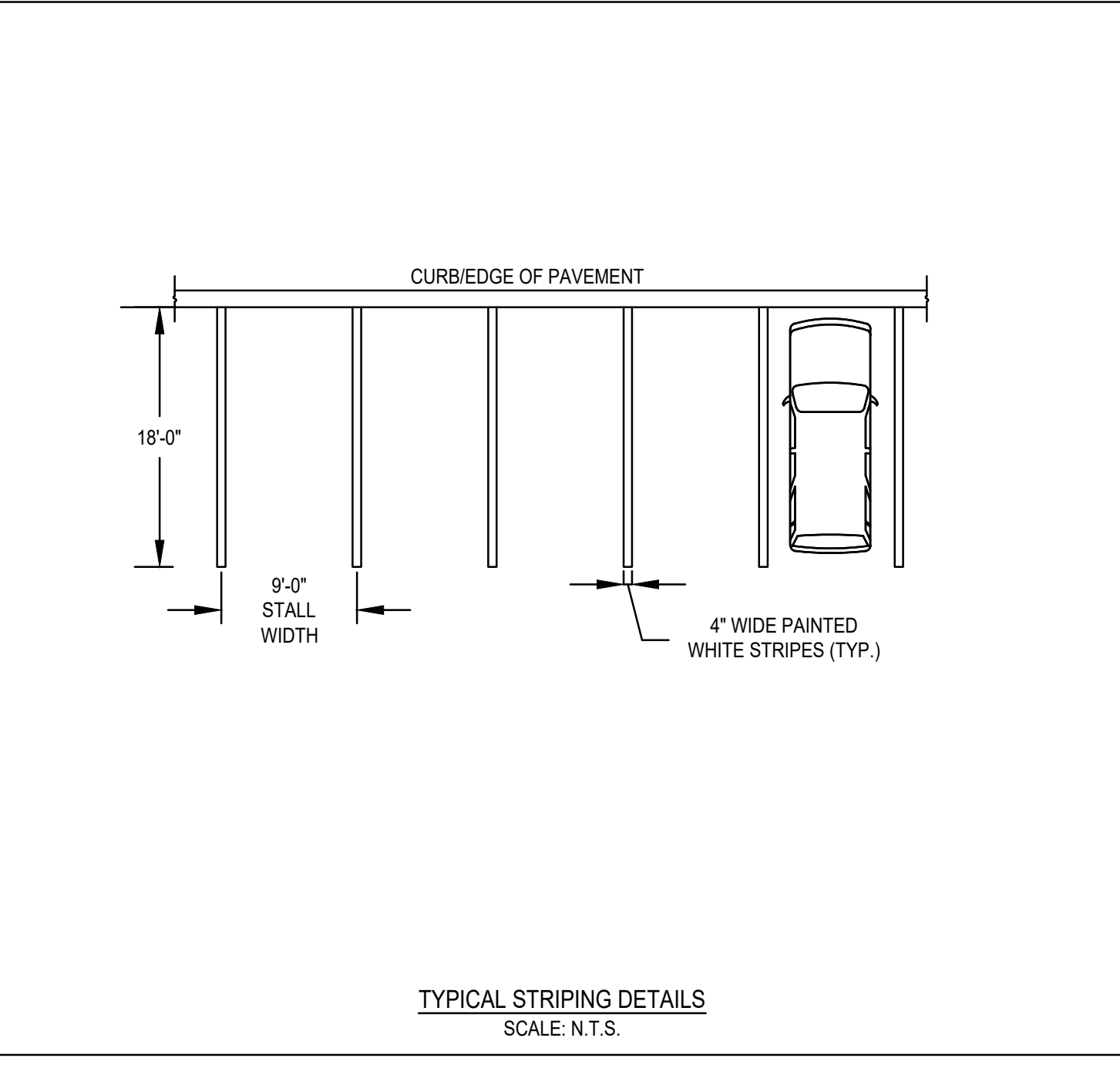


MODULAR BLOCK GRAVITY RETAINING WALL DETAIL
SCALE: N.T.S.



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

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



TYPICAL STRIPING DETAILS
SCALE: N.T.S.

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 SEEDED AREAS ARE MULCHED, PLANTINGS MAY BE MADE FROM EARLY SPRING TO EARLY OCTOBER. WHEN SEEDED 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"

4. MAINTENANCE TO ESTABLISH A STAND

A. PLANTED AREAS SHOULD BE PROTECTED FROM DAMAGE BY FIRE, GRAZING, TRAFFIC, AND DENSE WEED GROWTH.

B. FERTILIZATION NEEDS SHOULD BE DETERMINED BY ONSITE INSPECTIONS. SUPPLEMENTAL FERTILIZER IS USUALLY THE KEY TO FULLY COMPLETE THE ESTABLISHMENT OF THE STAND BECAUSE MOST PERENNIALS TAKE 2 TO 3 YEARS TO BECOME ESTABLISHED.

C. IN WATERWAYS, CHANNELS, OR SWALES WHERE UNIFORM FLOW CONDITIONS ARE ANTICIPATED OCCASIONAL MOWING MAY BE NECESSARY TO CONTROL GROWTH OF WOODY VEGETATION.

NOTES:

- TOP OF LOAM (TOPSOIL) IS FINISHED GRADE.
- 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:

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

	SEEDING RATES	
	POUND / ACRE	POUNDS / 1,000 S.F.
A. TALL FESCUE	20	0.45
CREeping RED FESCUE	20	0.45
REDTOP	2	0.05
TOTAL	42	0.95
B. TALL FESCUE	15	0.35
CREeping RED FESCUE	10	0.25
BIRDSFOOT TREFOIL	15	0.35
TOTAL	40	0.95
C. TALL FESCUE	20	0.45
CREeping RED FESCUE	20	0.45
BIRDSFOOT TREFOIL	8	0.20
TOTAL	48	1.10
D. BIRDSFOOT TREFOIL	10	0.25
REDTOP	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	80	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)

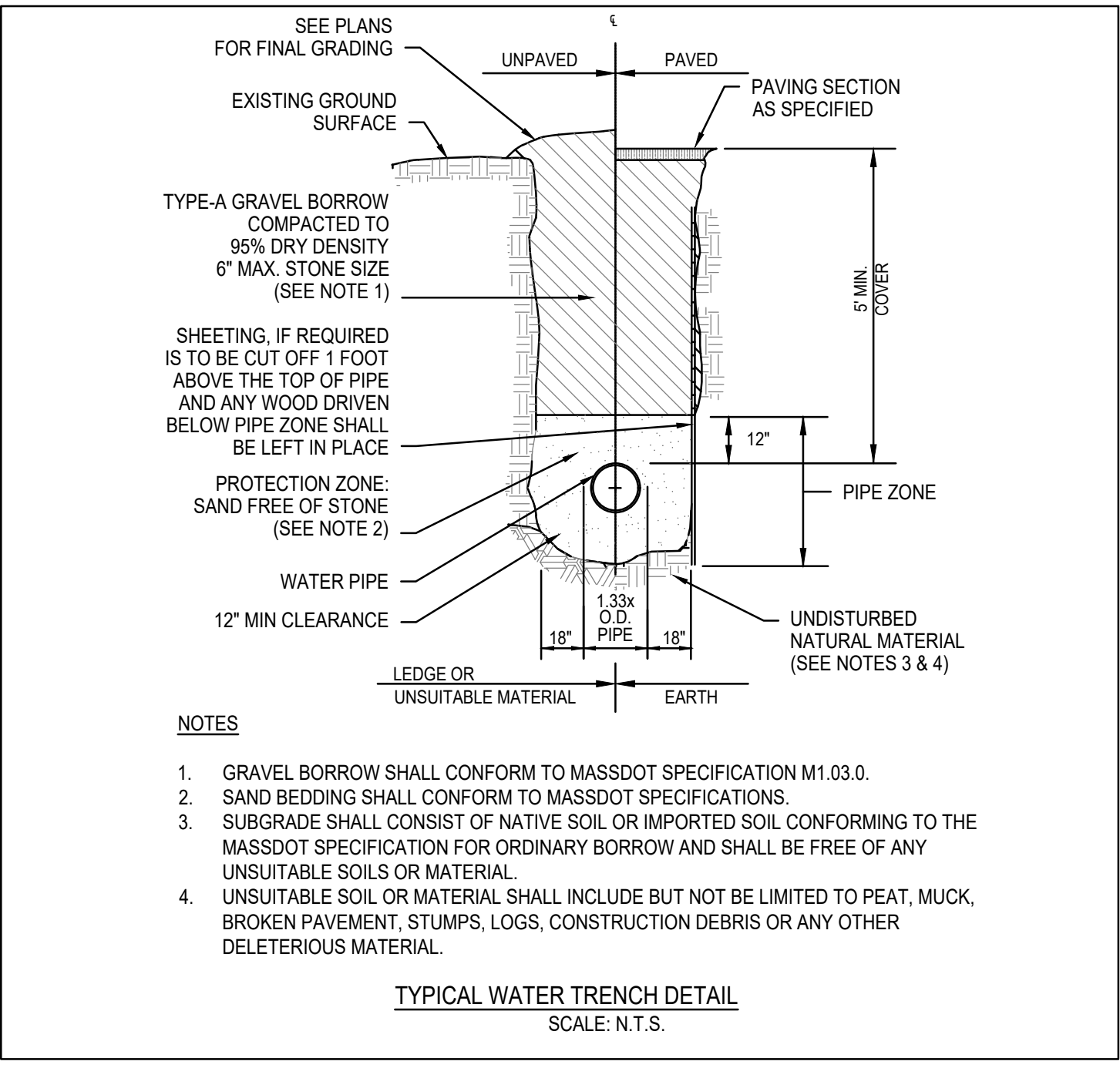
1/ FOR HEAVY USE ATHLETIC FIELDS CONSULT THE UNIVERSITY OF NEW HAMPSHIRE COOPERATIVE EXTENSION TURF SPECIALIST FOR CURRENT VARIETIES AND SEEDING RATES.

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

SEEDING GUIDE

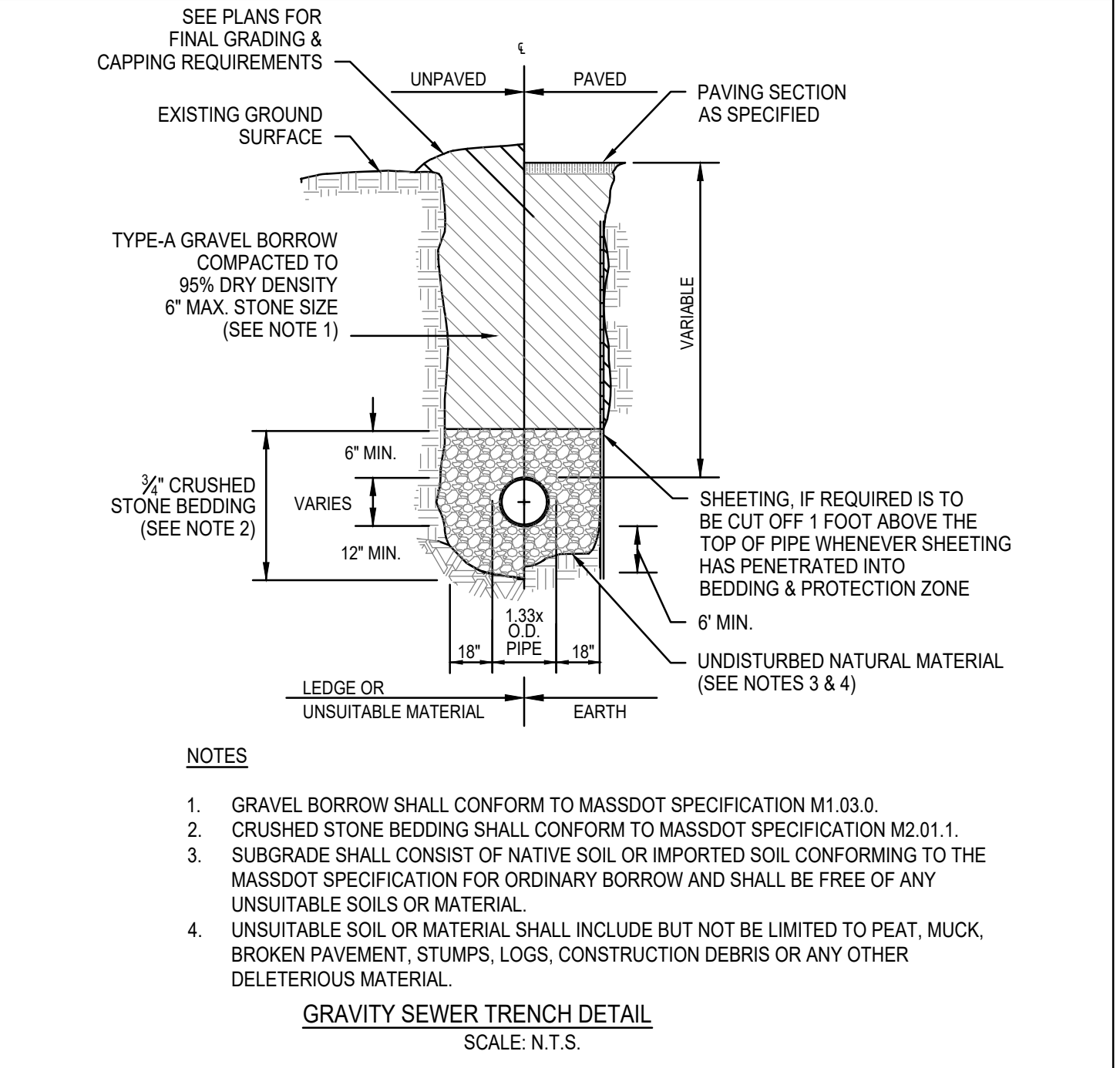
SEEDED OR SODDED LAWN DETAIL
SCALE: N.T.S.



NOTES:

- GRAVEL BORROW SHALL CONFORM TO MASSDOT SPECIFICATION M1.03.0.
- SAND BEDDING SHALL CONFORM TO MASSDOT SPECIFICATIONS.
- 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.
- UNUSABLE SOIL OR MATERIAL SHALL INCLUDE BUT NOT BE LIMITED TO PEAT, MUCK, BROKEN PAVEMENT, STUMPS, LOGS, CONSTRUCTION DEBRIS OR ANY OTHER DELETERIOUS MATERIAL.

TYPICAL WATER TRENCH DETAIL
SCALE: N.T.S.



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.
- UNUSABLE 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.

BY APP									
DESCRIPTION									
DATE									
REV									

MG
MCKENZIE
ENGINEERING GROUP
Assinippi Office Park
150 Longwater Drive, Suite 101
Norwell, MA 02061
P: 781.792.3800
F: 781.792.0333
www.mckeng.com

PROP. MIXED-USE DEVELOPMENT
ASSESSORS PARCEL 29-329-9-0
655 WASHINGTON STREET
WEYMOUTH, MASSACHUSETTS

PROFESSIONAL ENGINEER:

BRADLEY C. MCKENZIE
CIVIL ENGINEER
NO. 36917
STATE OF MASSACHUSETTS

APPLICANT:
TRINITY GREEN DEVELOPMENT, LLC
180 CANTON AVE.
MILTON, MASSACHUSETTS 02186

DRAWN BY: RPL
DESIGNED BY: RPL
CHECKED BY: AJC
APPROVED BY: BCM
DATE: 1/12/21
SCALE: AS NOTED
PROJECT NO.: 220-164
DWG. TITLE:

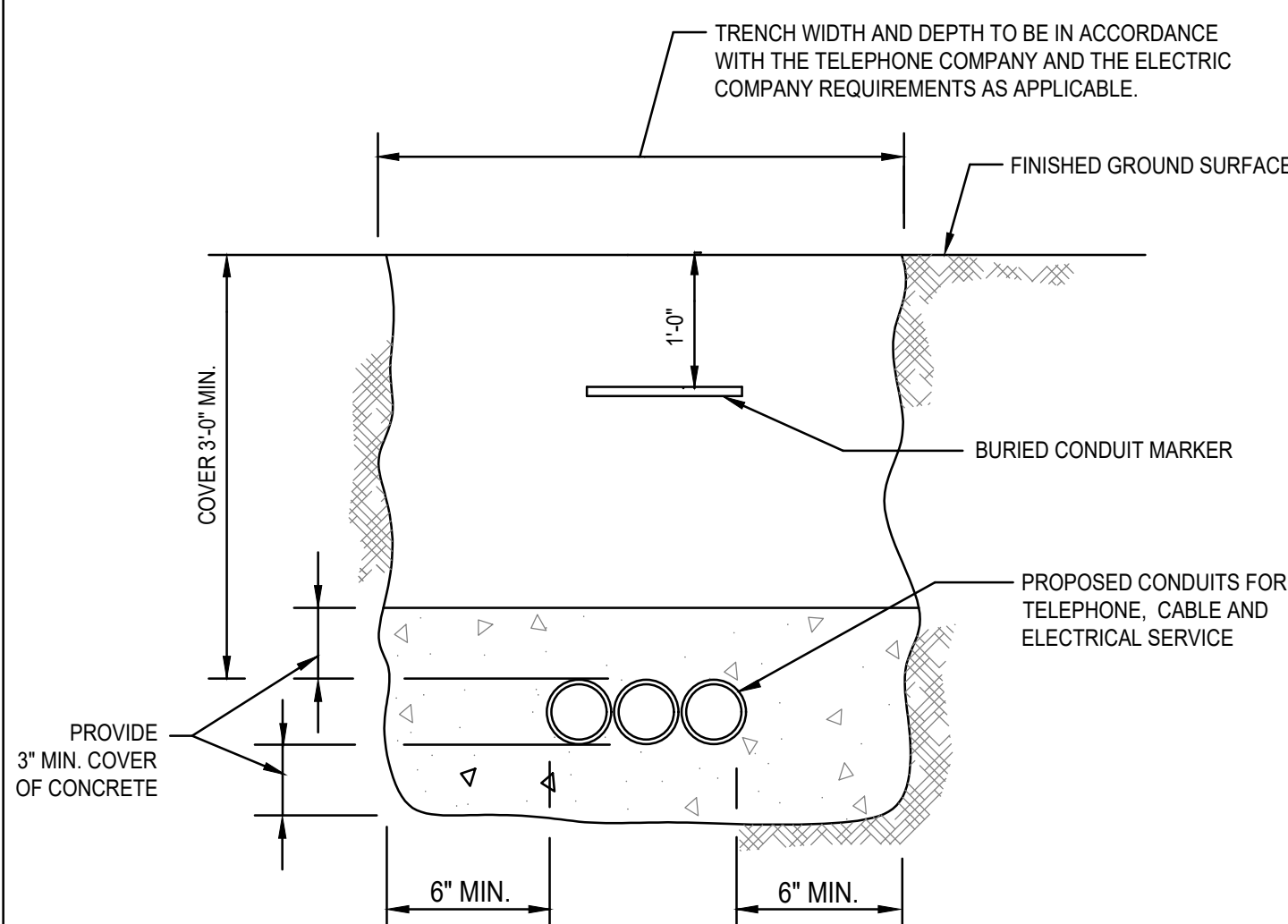
PERMIT PLAN SET

Construction Details
Sheet 1 of 3
DWG. NO: **D-1**

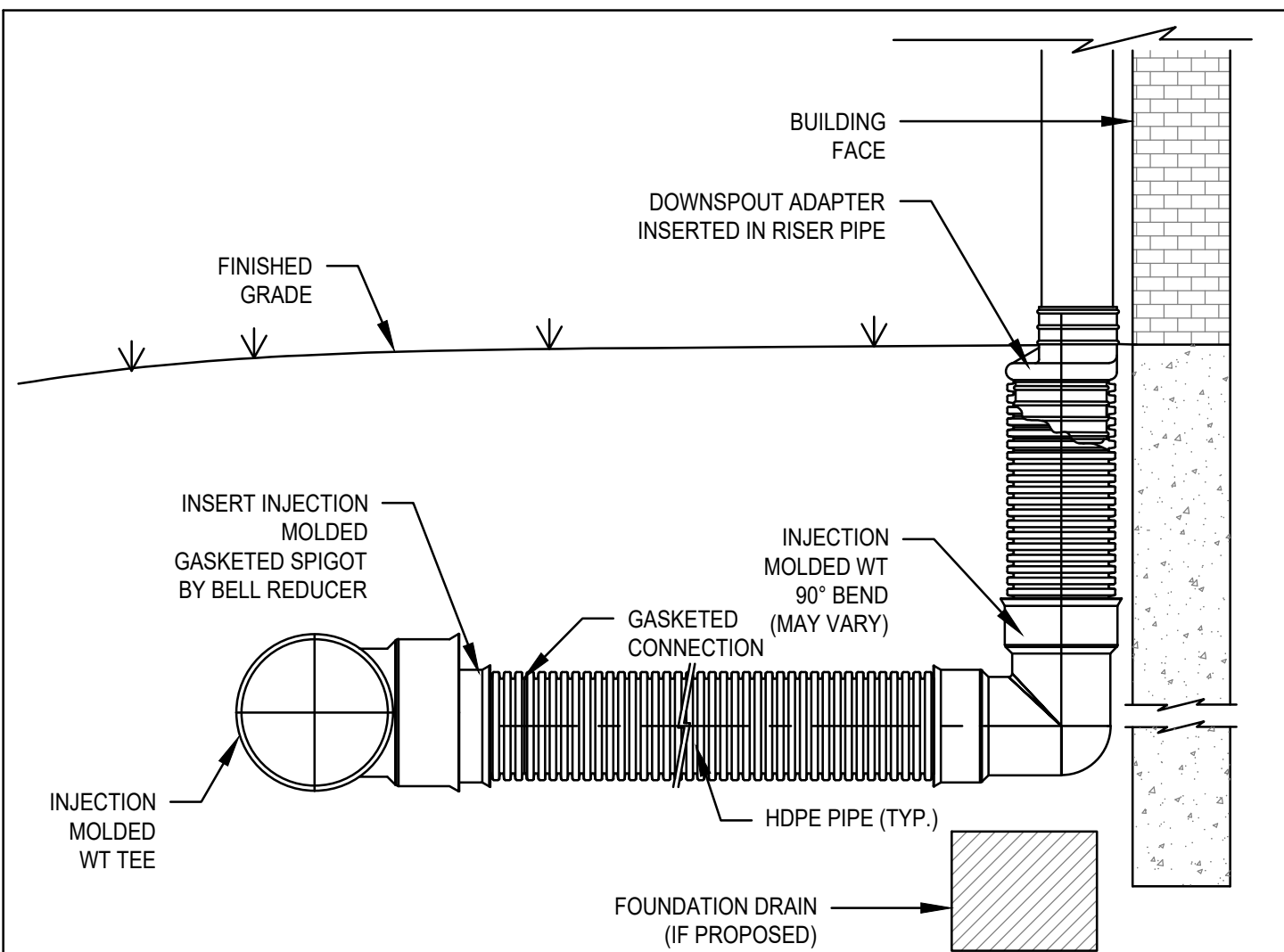
M:\MEG2020\PROJECTS\220-164 TRINITY GREEN DEV., LLC - 655 WASHINGTON ST., WEYMOUTH\DWGS\220-164 DETAIL SHEETS\DWG

GENERAL UTILITY NOTES

1. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AND STRUCTURES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF VARIOUS UTILITY COMPANIES AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THIS INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR MUST CONTACT THE APPROPRIATE UTILITY COMPANY, ANY GOVERNING PERMITTING AUTHORITY, AND "DIGSAFE" AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION WORK TO REQUEST EXACT FIELD LOCATION OF UTILITIES AND THE ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY UTILITIES INTERFERING WITH THE PROPOSED CONSTRUCTION AND APPROPRIATE REMEDIAL ACTION TAKEN BEFORE PROCEEDING WITH THE WORK. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLAN.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL CONTROL POINTS AND BENCHMARKS NECESSARY FOR THE WORK.
3. THE CONTRACTOR SHALL EXCAVATE THE TEST PITS IN THE LOCATIONS SHOWN ON THE PLAN PRIOR TO COMMENCING WORK TO VERIFY THE ELEVATIONS AND LOCATIONS OF EXISTING UTILITIES. THE CONTRACTOR SHALL PROVIDE THE OWNER AND ENGINEER WITH THE RESULTS PRIOR TO COMMENCING ANY WORK.
4. ALL WATER SERVICES SHALL BE INSTALLED WITH 5' OF COVER EXCEPT AS NOTED OR DETAILED OTHERWISE.
5. DOMESTIC WATER SERVICES 2 INCHES AND SMALLER SHALL BE TYPE K COPPER TUBING AND SHALL BE INSTALLED WITH APPROPRIATELY SIZED CORPORATION STOP WITH APPROVED SADDLE, CURB STOP, GATE AND BOX.
6. SEE SHEET D-4 FOR WEYMOUTH WATER DEPT. CONSTRUCTION DETAILS.
7. THE CONTRACTOR SHALL PROVIDE INLET PROTECTION, SUCH AS SILT SACKS, AT ALL CATCH BASINS TO PREVENT SEDIMENT FROM ENTERING THE EXTENDED DETENTION WETLAND AREA. INLET PROTECTION WILL ALLOW THE STORM DRAIN INLETS TO BE USED BEFORE FINAL STABILIZATION.
8. THE CONTRACTOR SHALL PROVIDE SIEVE ANALYSIS SUBMITTALS TO THE ENGINEER FOR APPROVAL PRIOR TO INSTALLATION OF THE SAND/SILT MATERIAL TO BE USED.

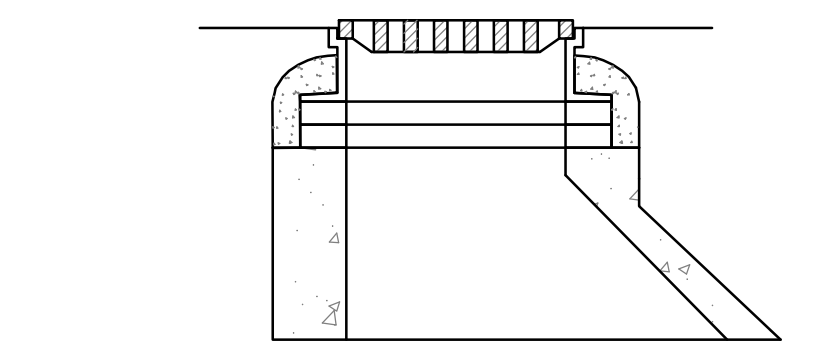


TYPICAL ELECTRIC/TELEPHONE/CABLE CONDUIT (US-UTILITY SERVICE)
SCALE: N.T.S.

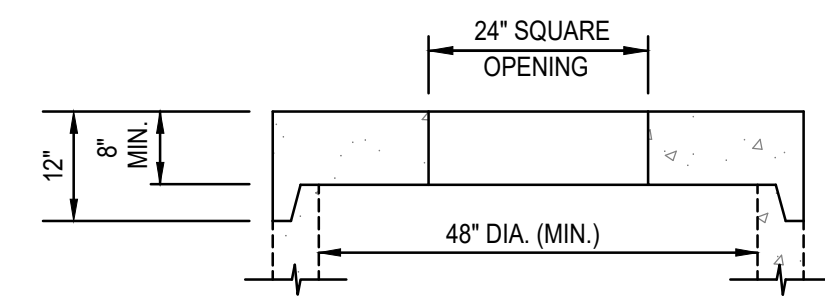


ROOF LEADER CONNECTION DETAIL
SCALE: N.T.S.

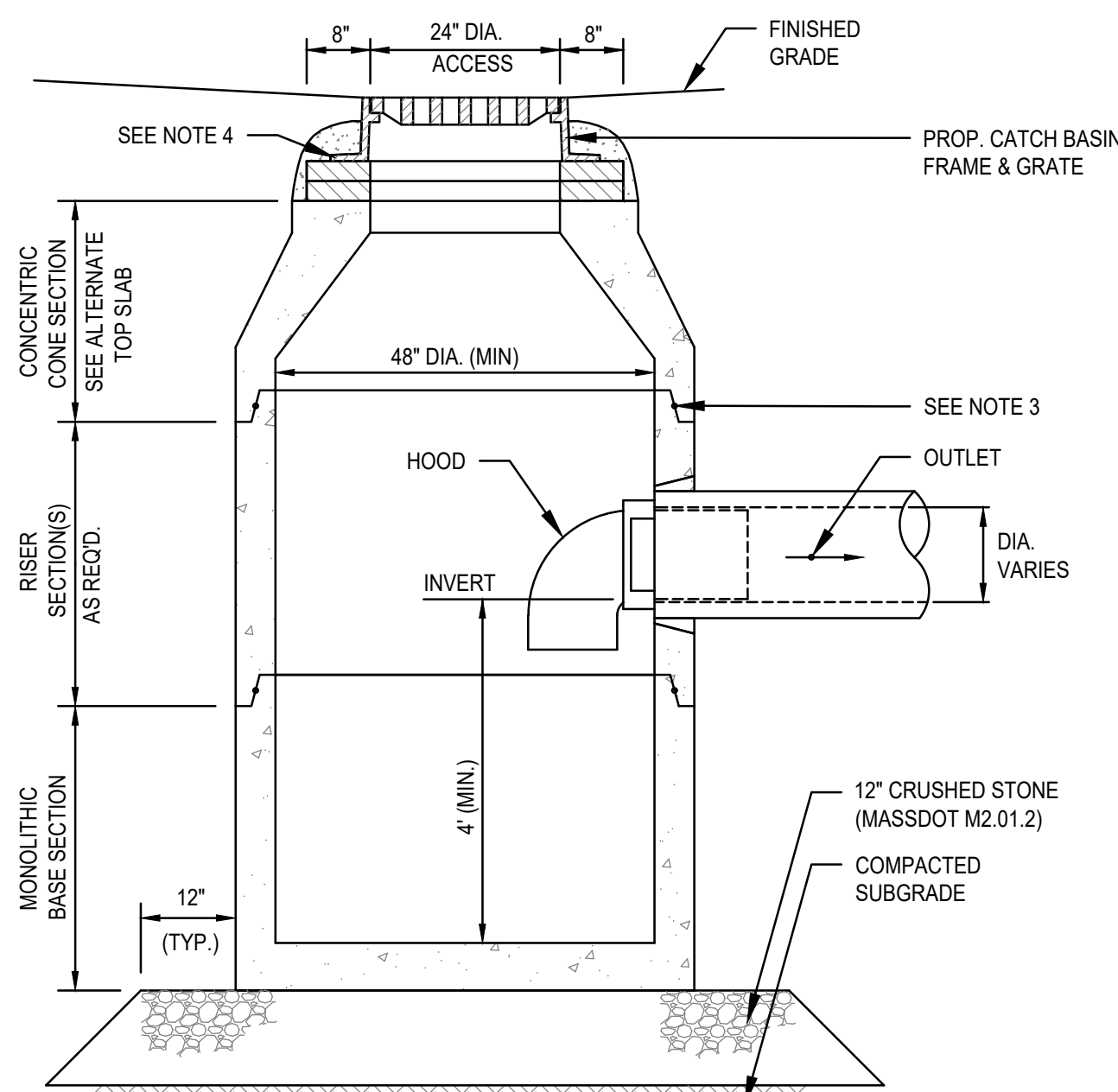
- NOTE:**
- INJECTION MOLDED FITTING ARE AVAILABLE IN TEES, WYES, REDUCERS, 45° BENDS AND BELL/BELL COUPLERS.
 - WATER TIGHT (WT) JOINTS SHOWN. SOIL-TIGHT (ST) FITTINGS ARE ALSO AVAILABLE.



ALTERNATE ECCENTRIC CONE SECTION



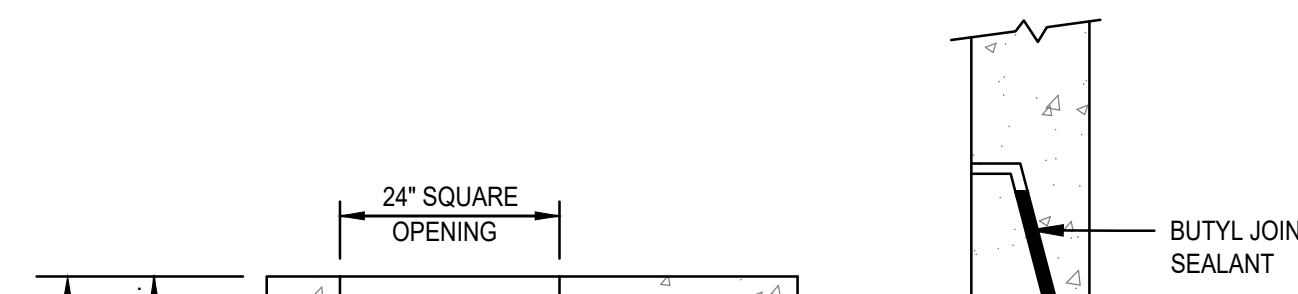
ALTERNATE TOP SLAB



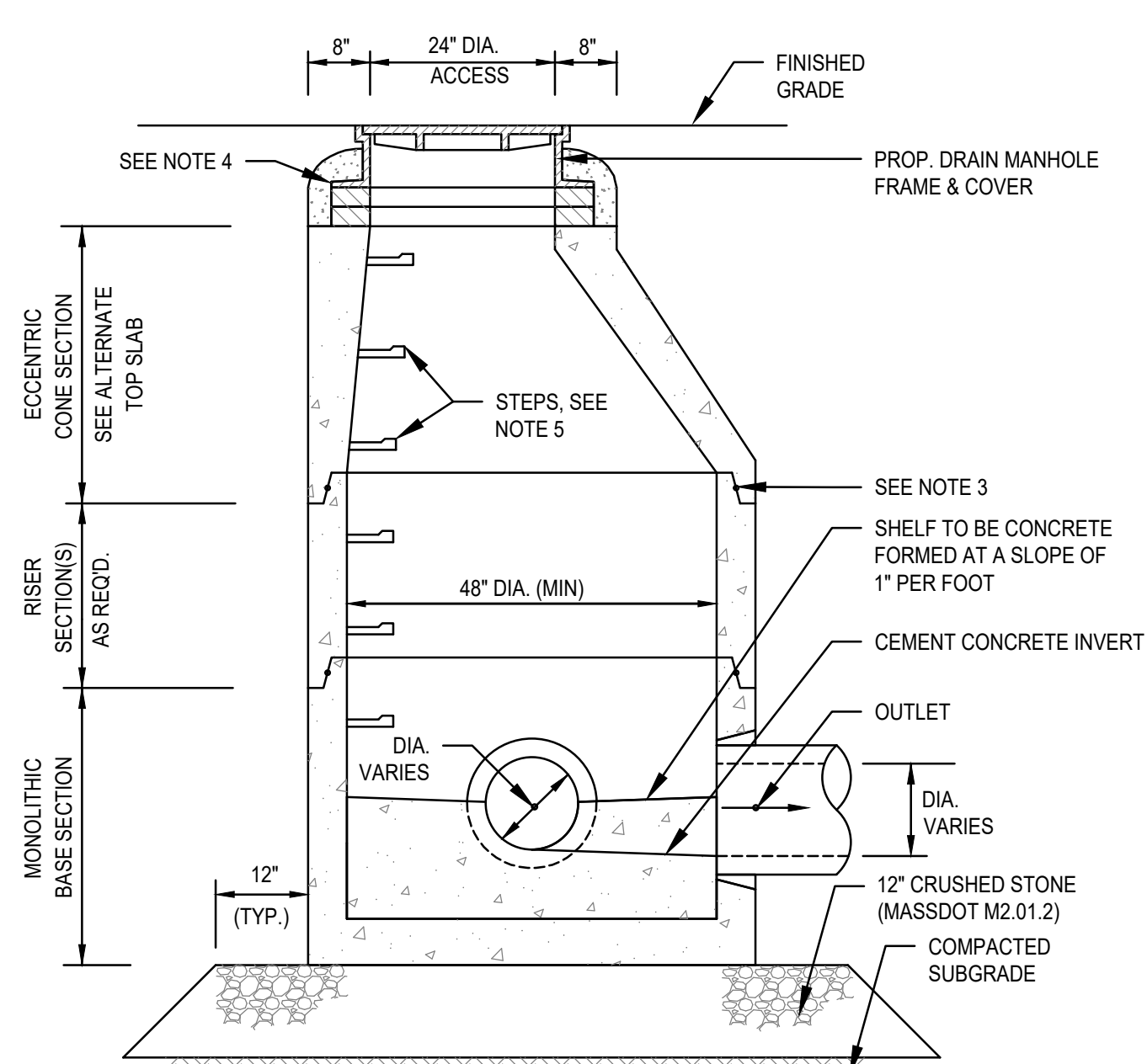
NOTES:

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. MORTAR ALL PIPE CONNECTIONS. 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.



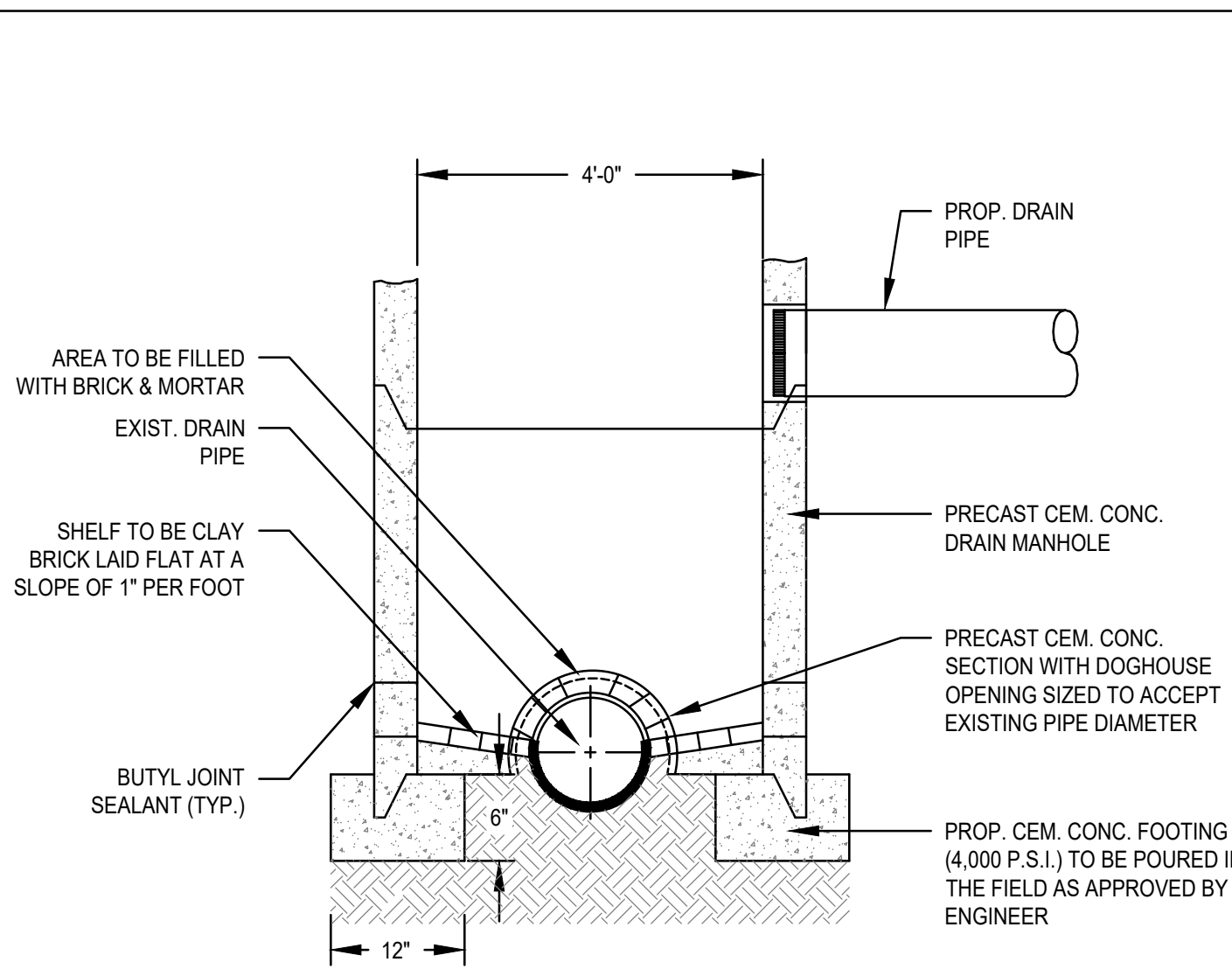
ALTERNATE TOP SLAB



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. 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).
5. COPOLYMER MANHOLE STEPS SHALL BE INSTALLED AT 12" O.C. FOR THE FULL DEPTH OF THE STRUCTURE.

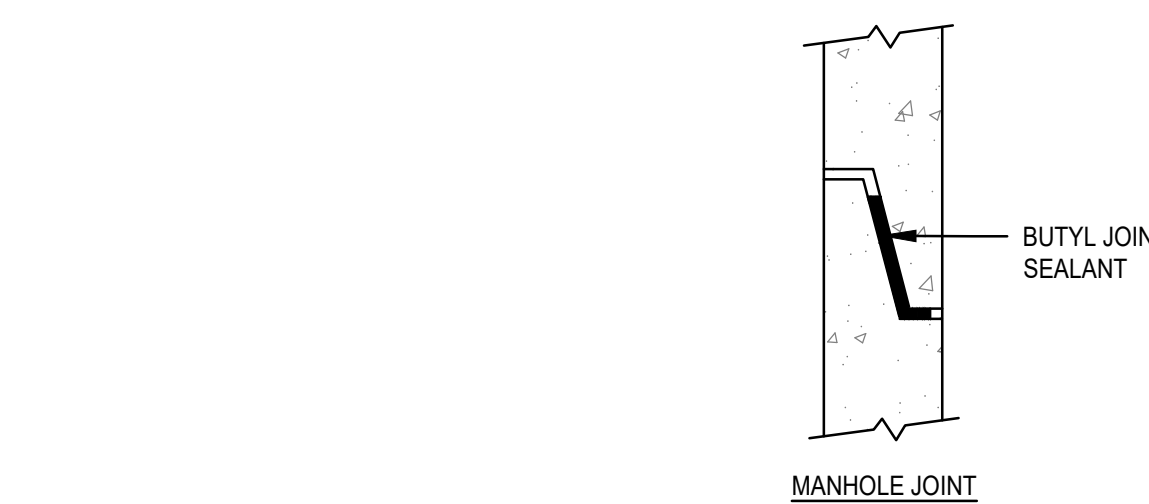
DRAIN MANHOLE DETAIL
SCALE: N.T.S.



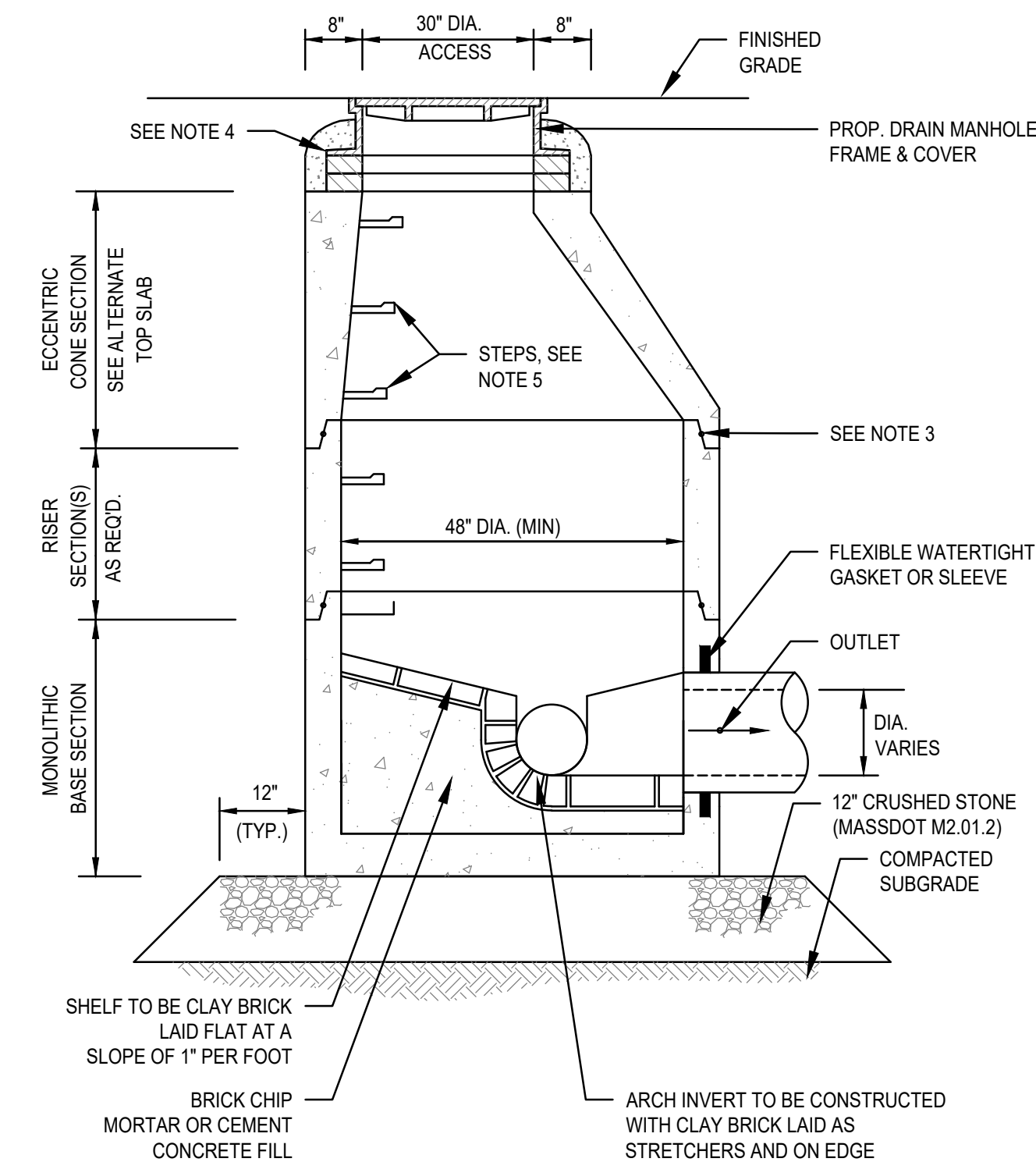
NOTE:

1. EXISTING DRAIN SHALL REMAIN ACTIVE THROUGHOUT CONSTRUCTION

TYPICAL DOGHOUSE MANHOLE
SCALE: N.T.S.



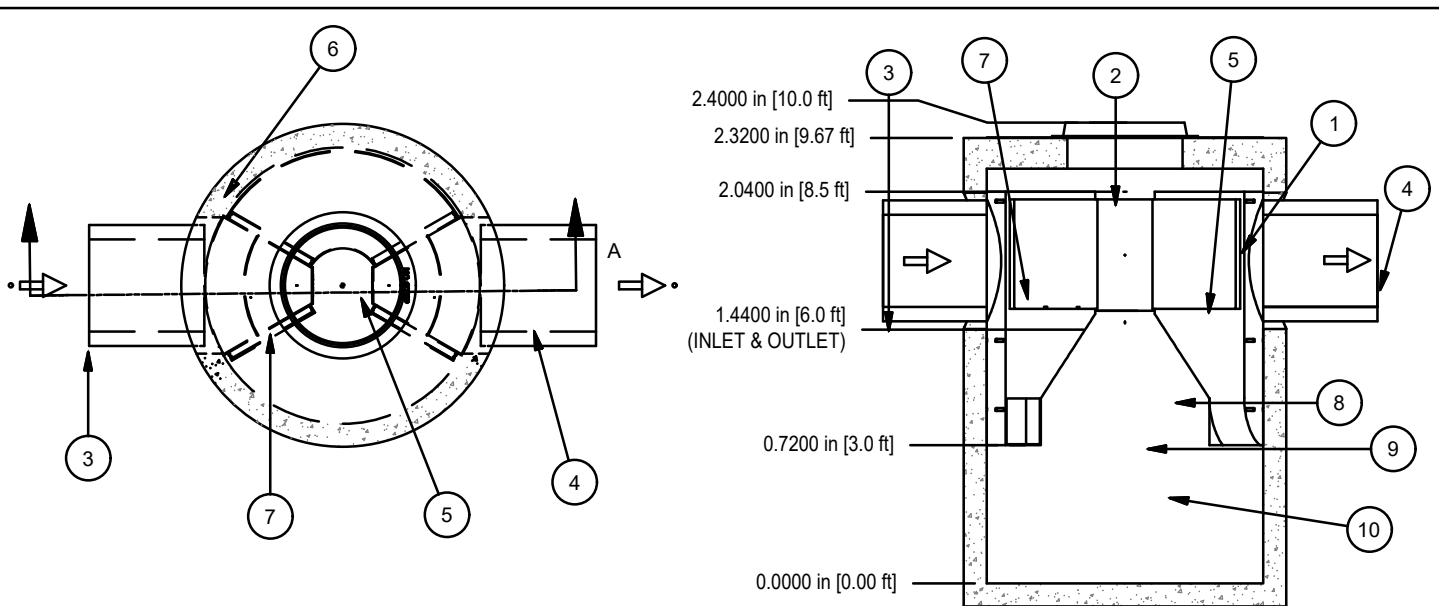
MANHOLE JOINT



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. ALL EXTERIOR SURFACES SHALL BE GIVEN TWO COATS OF BITUMINOUS WATER-PROOFING MATERIAL. JOINT SEALANT BETWEEN PRECAST SECTIONS SHALL BE PREFORMED BUTYL RUBBER.
4. SEWER 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).
5. COPOLYMER MANHOLE STEPS SHALL BE INSTALLED AT 12" O.C. FOR THE FULL DEPTH OF THE STRUCTURE.

TYPICAL SEWER MANHOLE
SCALE: N.T.S.



ITEM	QTY.	DESCRIPTION	SIZE (in)
1	1	1.0 CONCRETE MANHOLE	
2	1	INLET CHUTE (W/ FLOATABLES TRAP)	
3	1	OUTLET CHUTE	
4	1	INLET PIPE (BY OTHERS)	
5	1	OUTLET PIPE (BY OTHERS)	
6	1	HIGH FLOW BYPASS	
7	1	FRAME AND COVER (OR GRATE)	

NOTES:

- MANHOLE WALL AND SLAB THICKNESS 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.

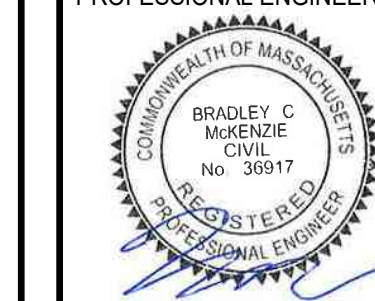
FIRST DEFENSE UNIT
SCALE: N.T.S.

REV	DATE	DESCRIPTION	BY	APP

MG
MCKENZIE
ENGINEERING GROUP
Assinippi Office Park
150 Longwater Drive, Suite 101
Norwell, MA 02061
P: 781.792.3800
F: 781.792.0333
www.mckeng.com

PROP. MIXED-USE DEVELOPMENT
ASSESSORS PARCEL 29-329-9-0
655 WASHINGTON STREET
WEYMOUTH, MASSACHUSETTS

PROFESSIONAL ENGINEER:



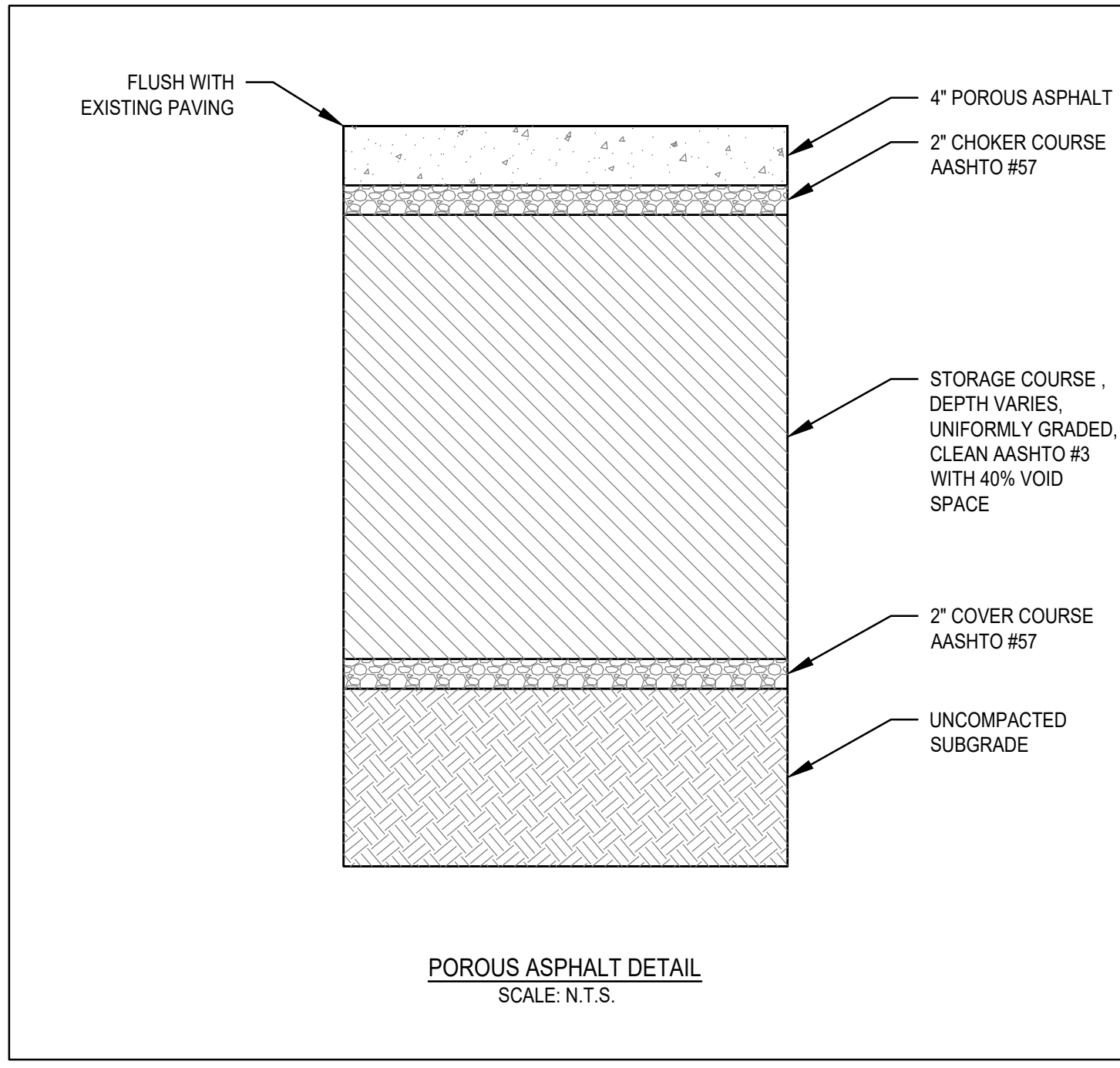
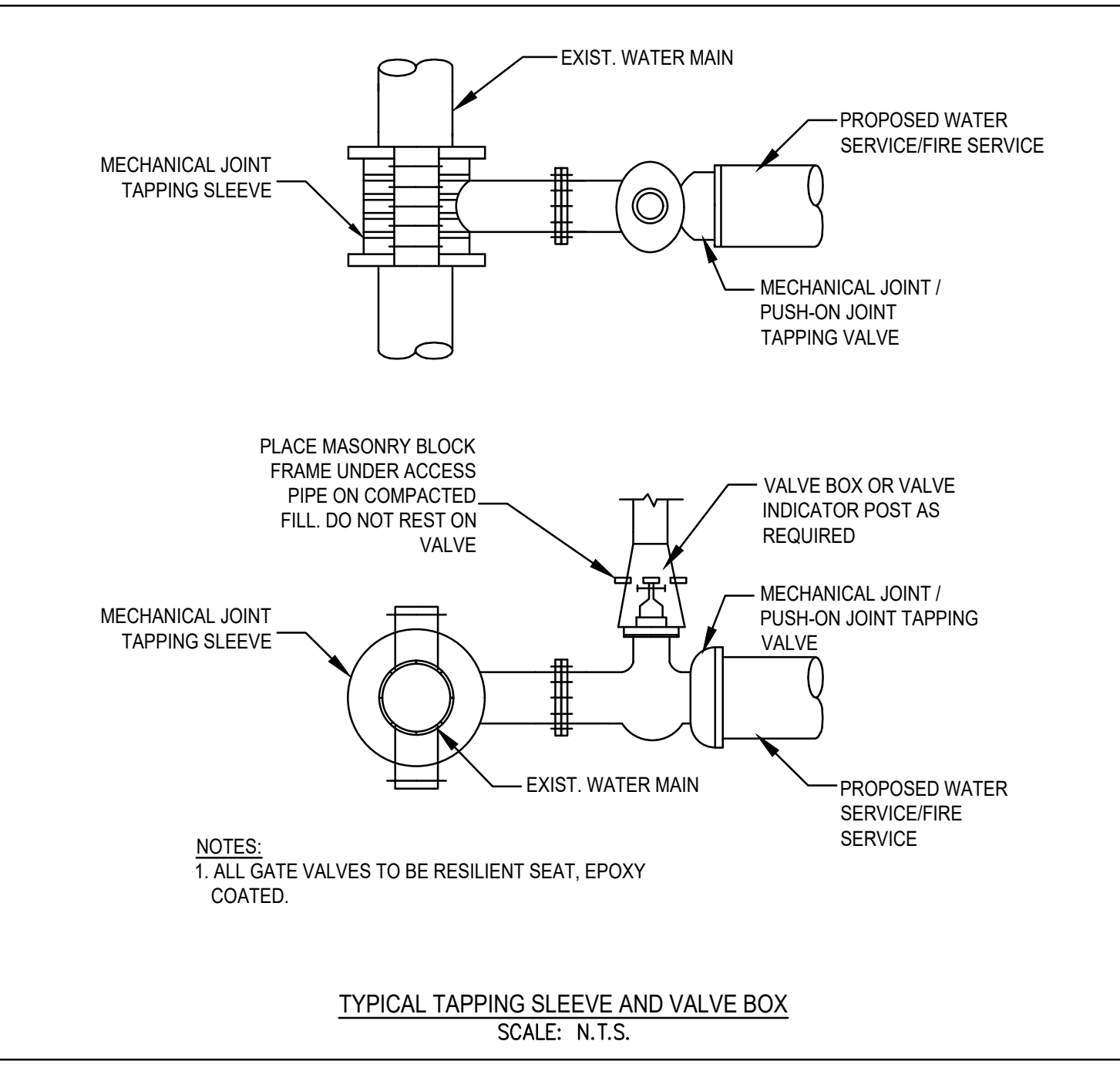
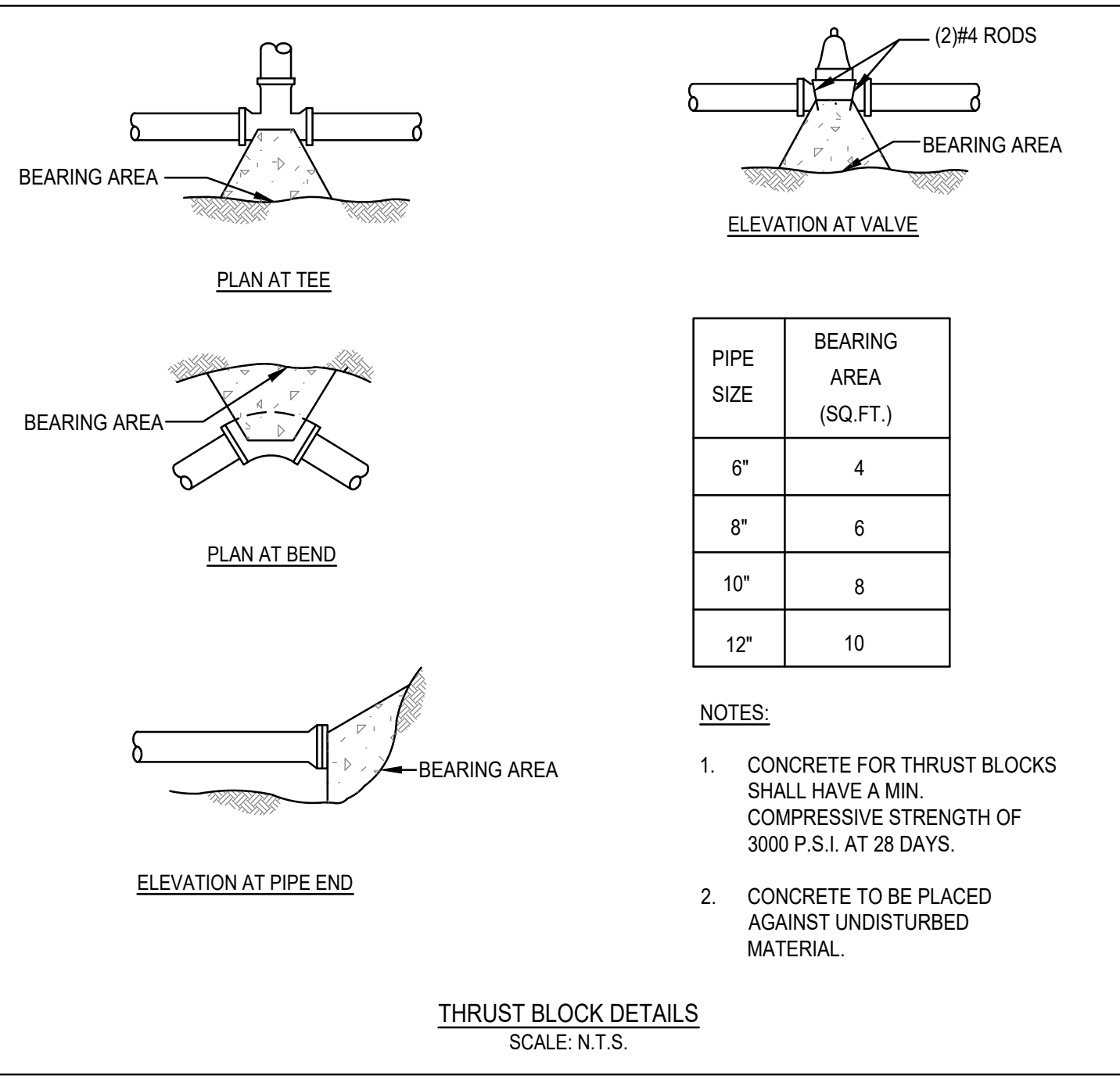
APPLICANT:
TRINITY GREEN DEVELOPMENT, LLC
180 CANTON AVE.
MILTON, MASSACHUSETTS 02186

DRAWN BY:	RPL
DESIGNED BY:	RPL
CHECKED BY:	AJC
APPROVED BY:	BCM
DATE:	1/12/21
SCALE:	AS NOTED
PROJECT NO.:	220-164
DWG. TITLE:	

Construction Details
Sheet 2 of 3

DWG. NO. **D-2**

PERMIT PLAN SET

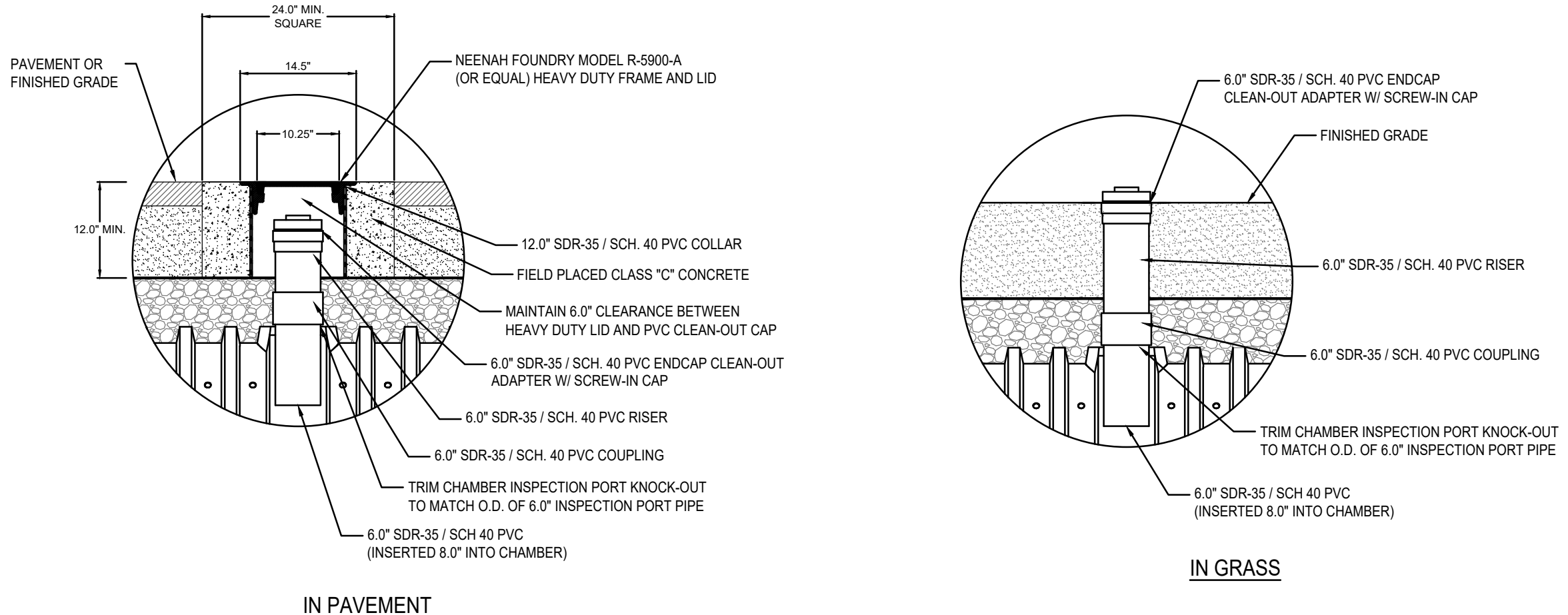


GENERAL NOTES

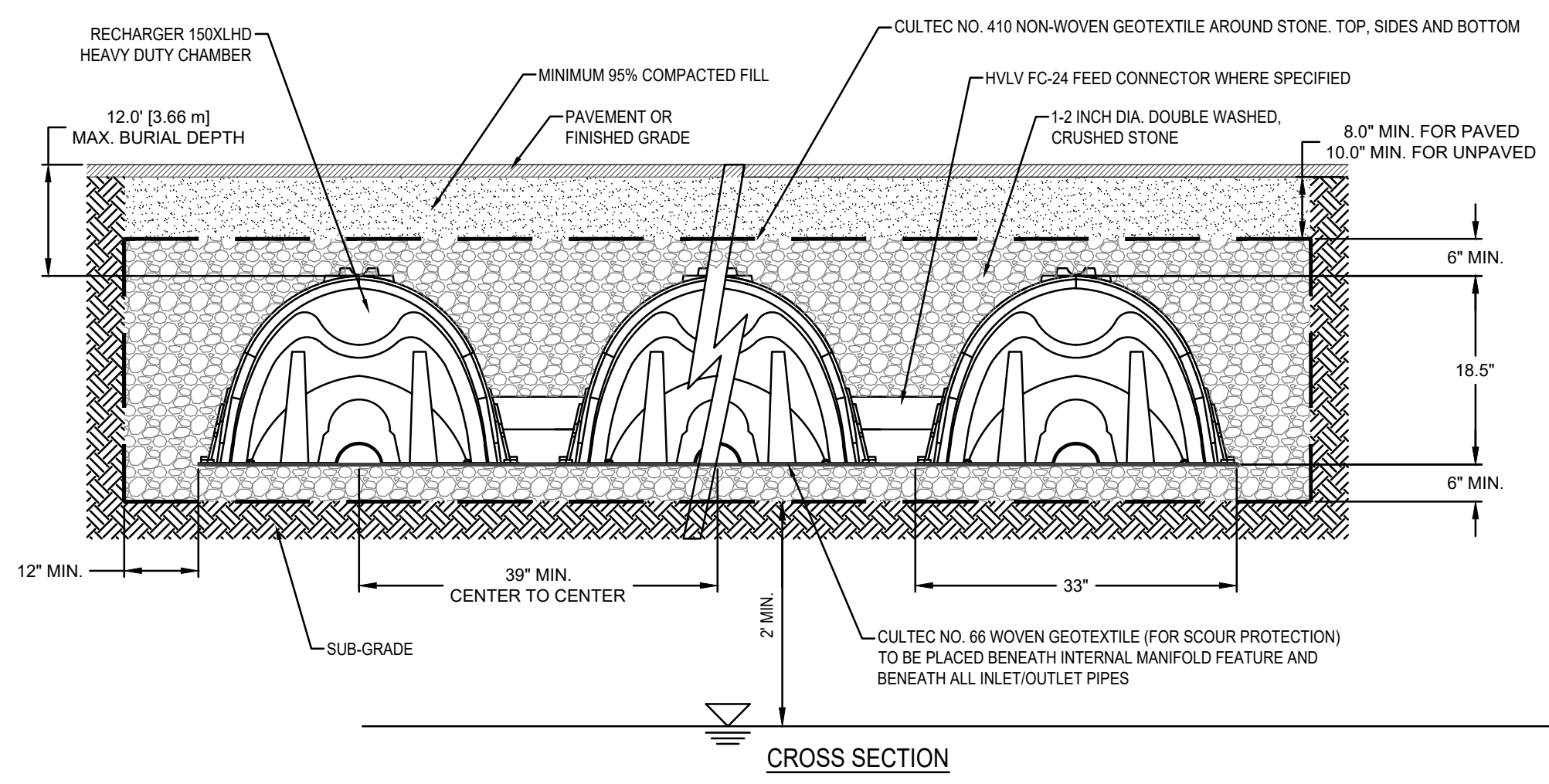
- RECHARGER 330XL HD BY CULTEC, INC. OF BROOKFIELD, CT.
- STORAGE PROVIDED = 2.65 CF/FT [0.25 m³/m] PER DESIGN UNIT.
- REFER TO CULTEC, INC.'S CURRENT RECOMMENDED INSTALLATION GUIDELINES.
- THE CHAMBER WILL BE DESIGNED TO WITHSTAND TRAFFIC LOADS WHEN INSTALLED ACCORDING TO CULTEC'S RECOMMENDED INSTALLATION INSTRUCTIONS.
- ALL RECHARGER 150XLHD HEAVY DUTY UNITS ARE MARKED WITH A COLOR STRIPE FORMED INTO THE PART ALONG THE LENGTH OF THE CHAMBER.
- ALL RECHARGER 150XLHD CHAMBERS MUST BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.

SUBSURFACE INFILTRATION SYSTEM NOTES:

- ALL CONTRIBUTING AREAS TO THE SUBSURFACE INFILTRATION SYSTEM SHALL BE FULLY STABILIZED PRIOR TO THE SYSTEM BEING PLACED INTO SERVICE.
- THE CONTRACTOR SHALL PROVIDE PROTECTION ABOVE AND AROUND THE SUBSURFACE INFILTRATION SYSTEM FROM CONSTRUCTION VEHICLE ACTIVITY, TO PREVENT ANY DAMAGE TO THE INFILTRATION FUNCTION OF THE SUBSURFACE SOILS.
- INSTALL SILT FENCE AROUND THE INFILTRATION SYSTEM AREA SO THAT NO CONSTRUCTION ACTIVITY (TRAFFIC) SHALL BE ALLOWED OVER THE INFILTRATION SYSTEM AREA.
- NO CONSTRUCTION SURFACE WATER OR DEWATERING DISCHARGES SHALL BE DISCHARGED INTO THE INFILTRATION SYSTEM AREA.

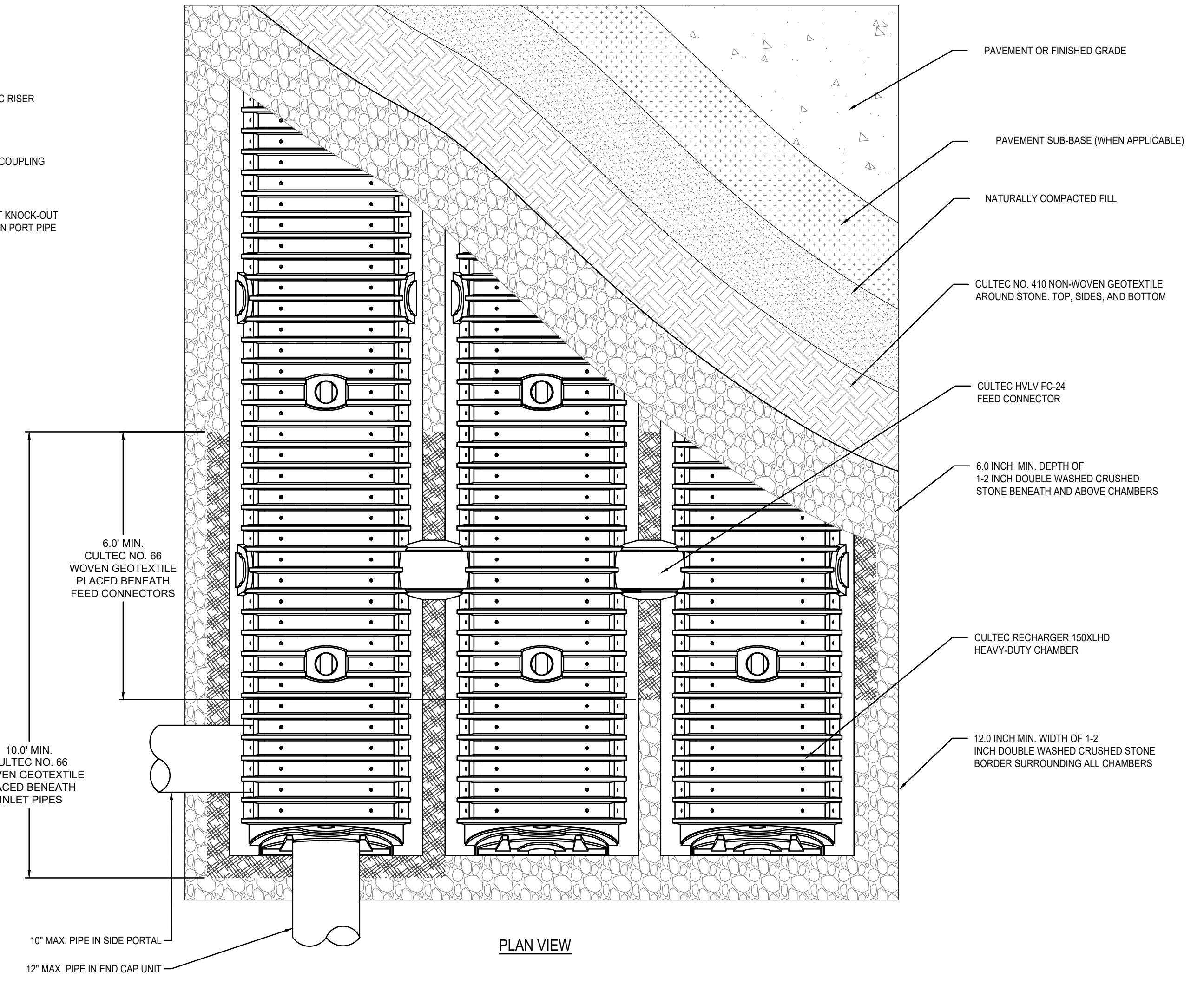


INSPECTION PORT DETAIL R-150XLHD



CULTEC RECHARGER 150XLHD SUBSURFACE INFILTRATION SYSTEM
SCALE: N.T.S.

	PROPOSED SYSTEM #1 (TP#11)	PROPOSED SYSTEM #2 (TP#8)	PROPOSED SYSTEM #3 (TP#2)
TOP STONE	ELEV. 90.54	ELEV. 89.69	ELEV. 88.69
TOP CHAMBER	ELEV. 90.04	ELEV. 89.19	ELEV. 88.19
BOTTOM CHAMBER	ELEV. 88.50	ELEV. 87.65	ELEV. 86.65
BOTTOM STONE	ELEV. 88.00	ELEV. 87.15	ELEV. 86.15
GROUNDWATER	ELEV. 86.00	ELEV. 85.15	ELEV. 84.15



REV	DATE	DESCRIPTION	BY	APP

MG
MCKENZIE ENGINEERING GROUP
Assinippi Office Park
150 Longwater Drive, Suite 101
Norwell, MA 02061
P: 781.792.3800
F: 781.792.0333
www.mckeng.com

PROP. MIXED-USE DEVELOPMENT
ASSESSORS PARCEL 29-329-9-0
655 WASHINGTON STREET
WEYMOUTH, MASSACHUSETTS

PROFESSIONAL ENGINEER:
BRADLEY C. MCKENZIE
No. 38917
EXPIRES 12/31/2024

APPLICANT:
TRINITY GREEN DEVELOPMENT, LLC
180 CANTON AVE.
MILTON, MASSACHUSETTS 02186

DRAWN BY:	RPL
DESIGNED BY:	RPL
CHECKED BY:	AJC
APPROVED BY:	BCM
DATE:	1/12/21
SCALE:	AS NOTED
PROJECT NO.:	220-164
DWG. TITLE:	

Construction Details
Sheet 3 of 3
DWG. NO. **D-3**

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. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE AT WASHINGTON STREET.
3. CLEAR AND GRUB UP AS REQUIRED FOR THE CONSTRUCTION OF THE BUILDING AND RELATED INFRASTRUCTURE.
4. EXCAVATE TOPSOIL AND SUBSOIL FROM CUT AND FILL AREAS AND STOCKPILE OFF SITE.
5. CONSTRUCT CUT AND FILL AREAS. ALL FILL WILL BE INSTALLED USING 12" MAXIMUM COMPACTION LIFTS. PLACE ALL SLOPE PROTECTION WHERE INDICATED ON THE PLAN.
6. INSTALL CLOSED DRAINAGE SYSTEM AND OTHER UTILITIES. ALL CATCH BASINS SHALL BE COVERED WITH SILT SACK OR EQUIVALENT INLET PROTECTION.
7. GRADE SITE TO SUBGRADE ELEVATIONS AND CONSTRUCT SIDE SLOPES. APPLY TEMPORARY STABILIZATION MEASURES WHERE WARRANTED. REFER TO "EROSION AND SEDIMENTATION CONTROL" SECTION OF THIS PLAN.
8. GRADE SLOPES AND STABILIZE CUT AREAS AT TOE OF SLOPES. BLEND ALL INTO EXISTING TOPOGRAPHY AND LOAM AND SEED ALL DISTURBED AREAS. SLOPES GREATER THAN 3:1 SHALL BE STABILIZED WITH JUTE MESH.
9. COMPLETE FINE GRADING OF SITE AND SIDEWALK CONSTRUCTION.
10. REMOVE TEMPORARY EROSION CONTROL DEVICES ONCE ADEQUATE GROWTH IS ESTABLISHED. ADEQUATE GROWTH IS DEFINED AS VEGETATION COVERING 75% OR MORE OF THE GROUND SURFACE.

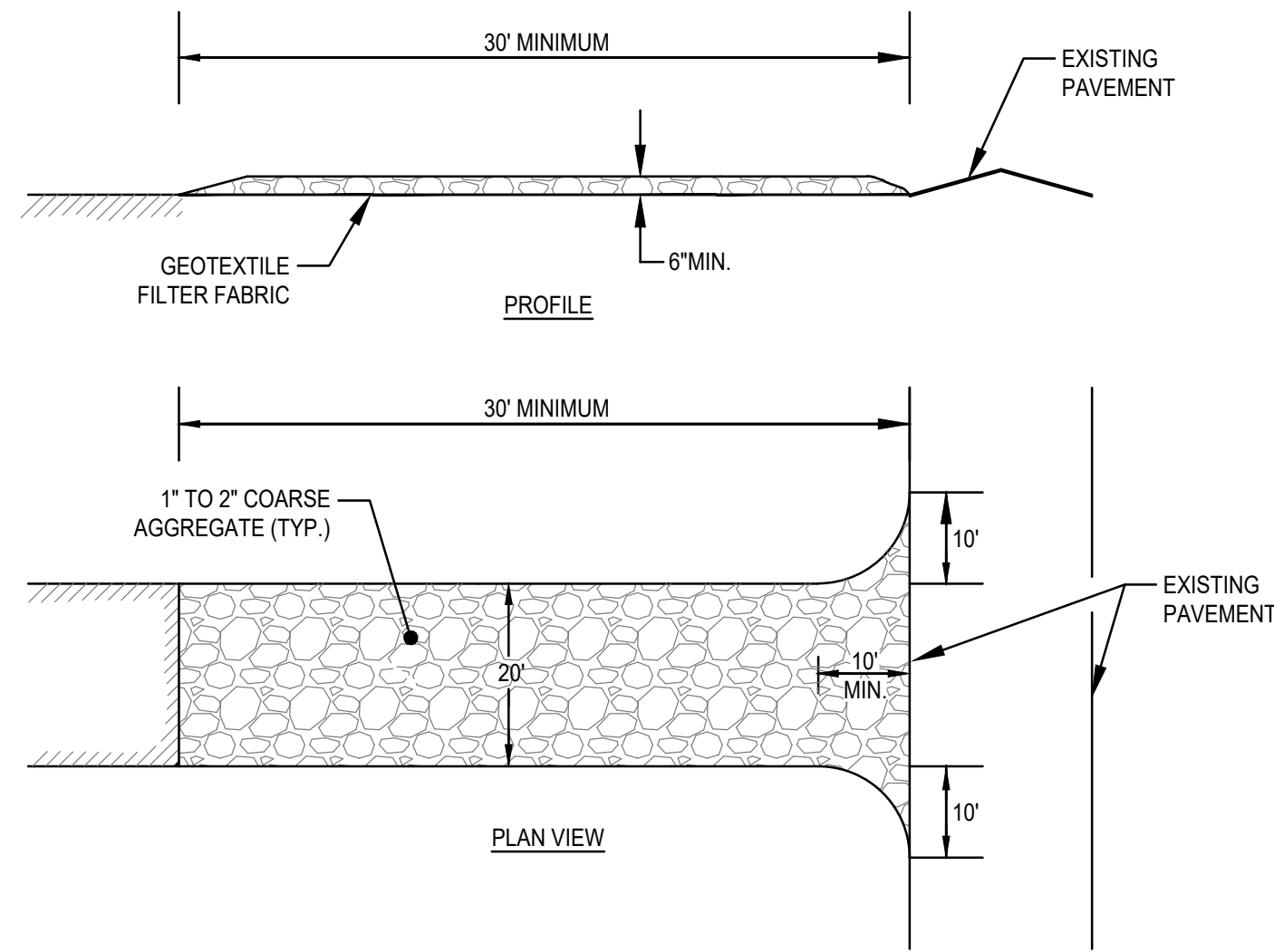
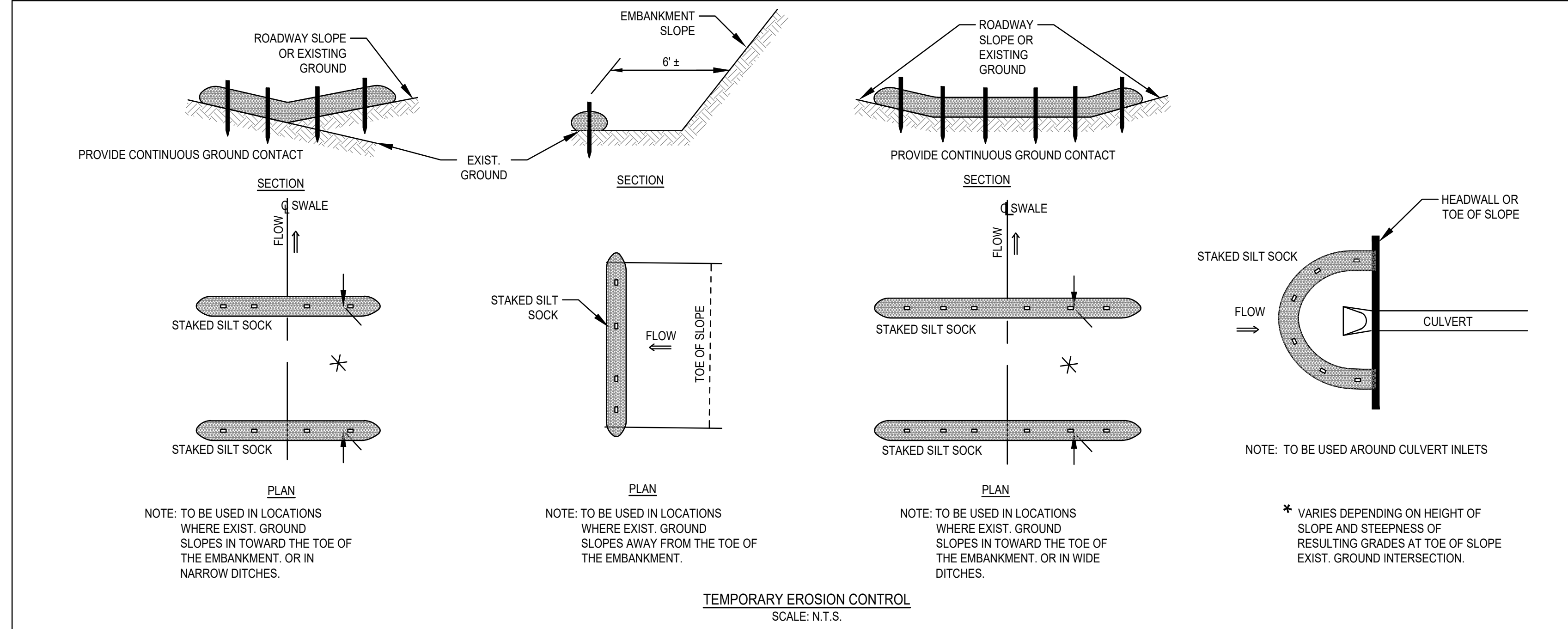
EROSION AND SEDIMENTATION CONTROL

REFER TO MASS DEP STORMWATER MANAGEMENT HANDBOOK FOR SPECIFICATIONS AND STRUCTURAL AND DUST CONTROL EROSION BEST MANAGEMENT PRACTICES.

1. STRUCTURAL PRACTICES UTILIZED FOR THE PROJECT WILL INCLUDE SILT SOCK BARRIER CONTROLS, STABILIZED CONSTRUCTION ENTRANCE, TEMPORARY DIVERSION SWALES WITH STONE CHECK DAMS, SEDIMENT BASINS, AND INLET PROTECTION SUBJECT TO CITY OF WEYMOUTH ENGINEERING APPROVAL.
2. STABILIZATION PRACTICES UTILIZED FOR THE PROJECT WILL INCLUDE TEMPORARY SEEDING, GEOTEXTILES (JUTE MESH), MULCHING, AND PERMANENT SEEDING.
3. IN GENERAL, THE SMALLEST POSSIBLE AREA OF LAND SHOULD BE EXPOSED AT ONE TIME. WHEN LAND IS EXPOSED DURING DEVELOPMENT, THE EXPOSURE SHALL BE CONFINED TO A MAXIMUM PERIOD OF 3 MONTHS. LAND SHALL NOT BE EXPOSED DURING THE WINTER MONTHS. ANY DISTURBED AREAS WHICH ARE TO BE LEFT TEMPORARILY AND THAT WILL BE REGRADED AT A LATER DATE SHALL BE MACHINE HAY MULCHED AND SEEDING WITH WINTER RYE TO PREVENT EROSION.

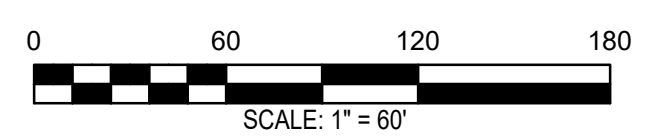
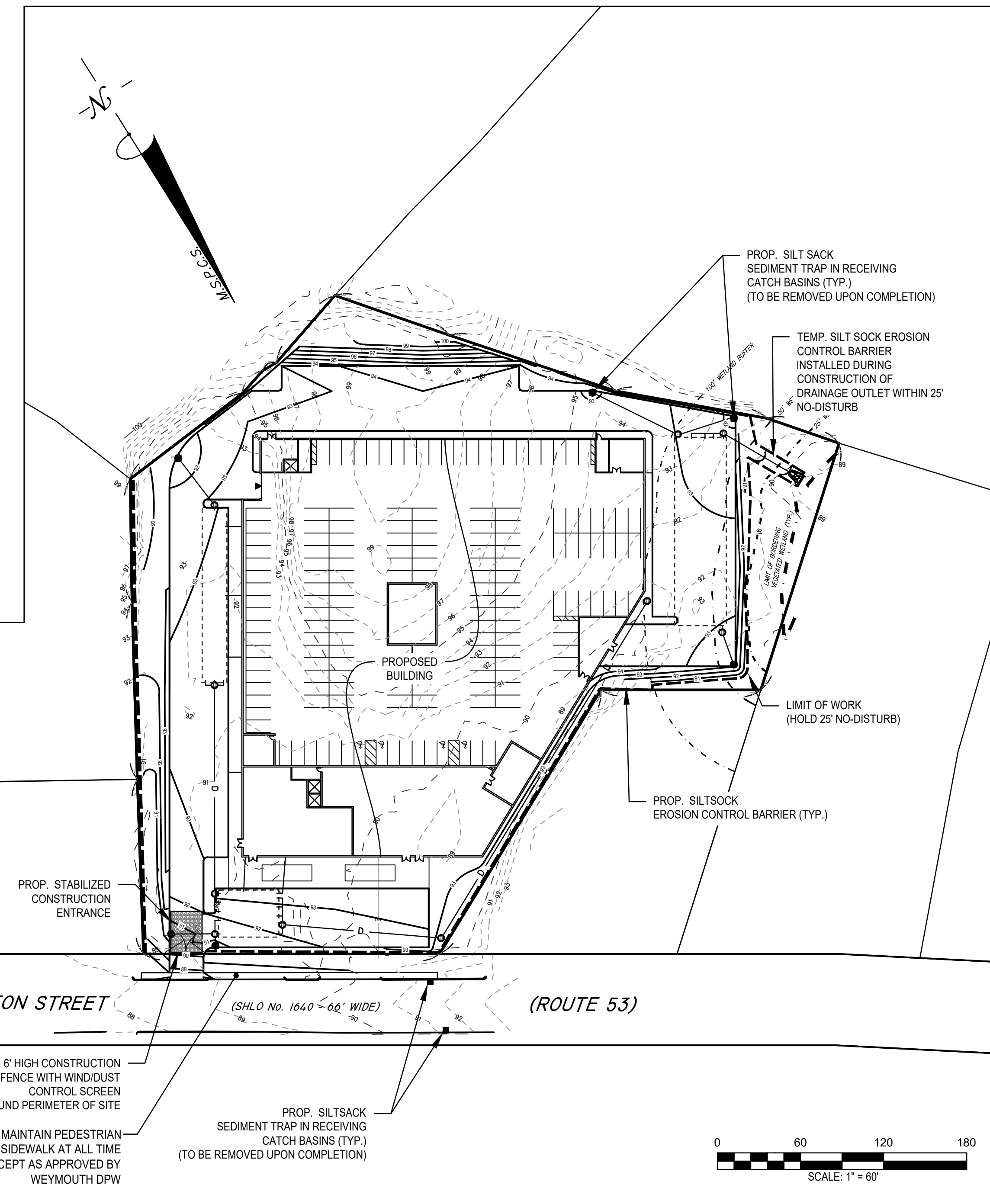
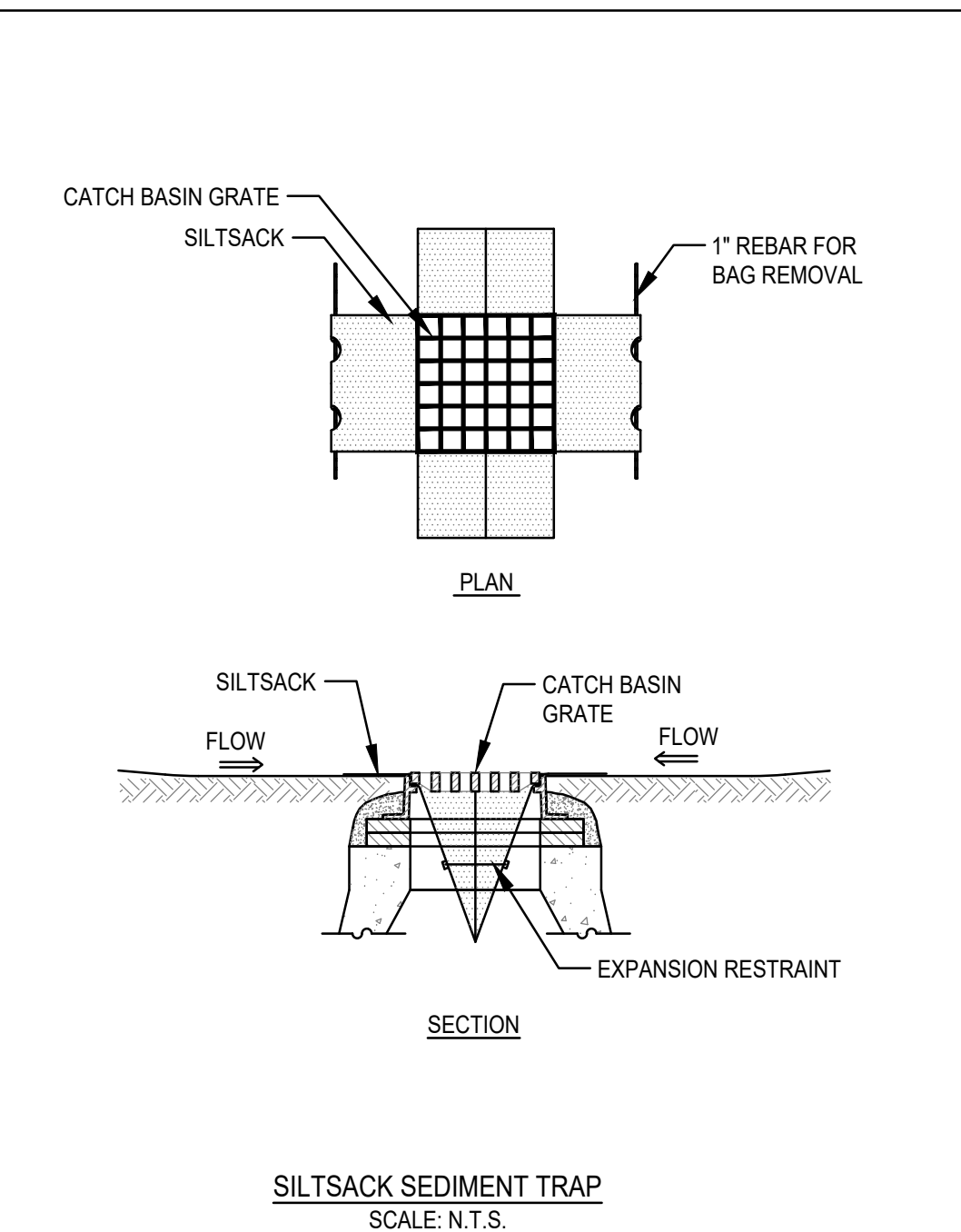
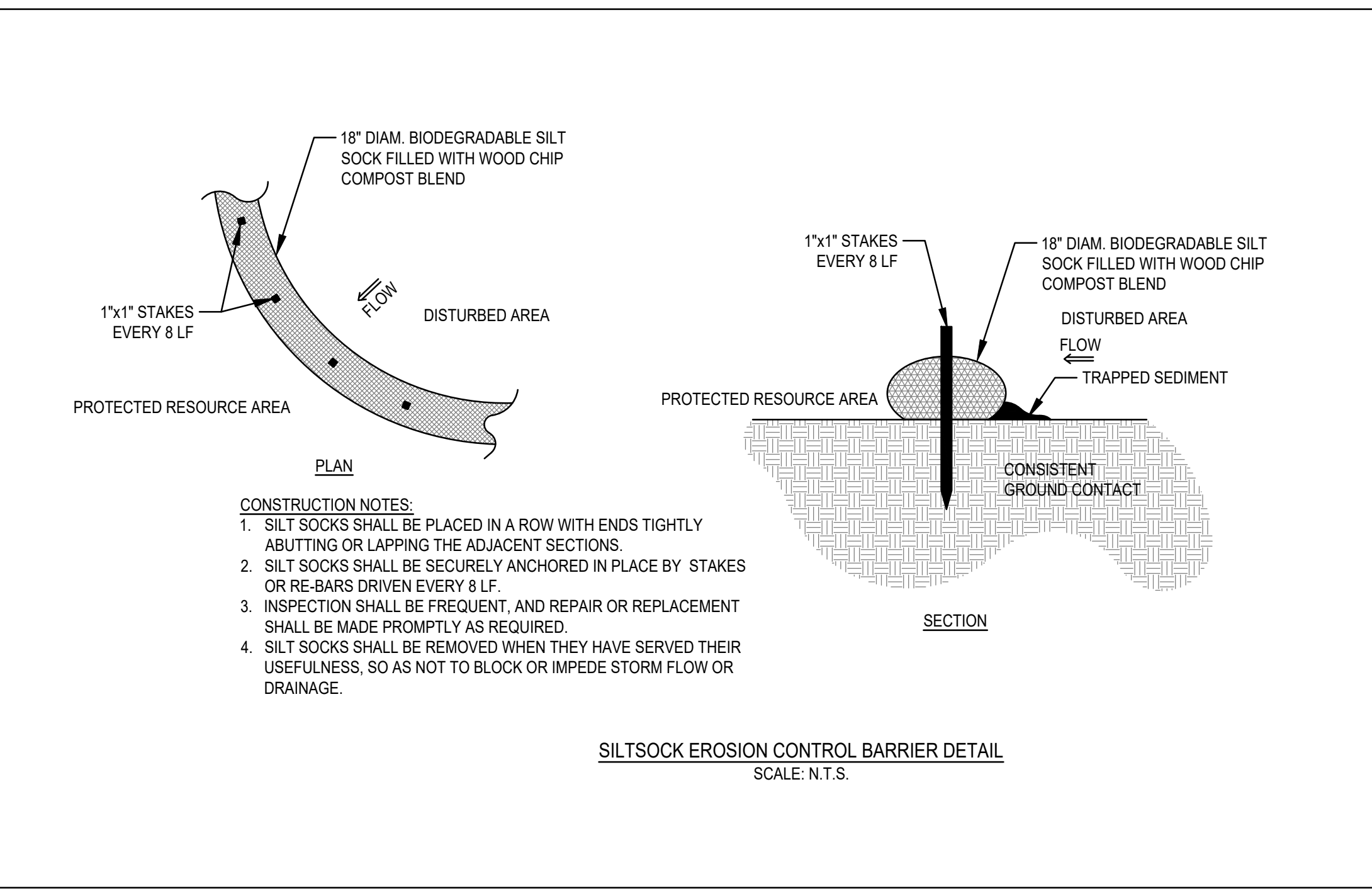
CONSTRUCTION PHASE BMP OPERATION AND MAINTENANCE NOTES:

1. REFER TO THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) PREPARED UNDER THE E.P.A. GENERAL CONSTRUCTION PERMIT PROVISIONS FOR FURTHER DETAIL OF STRUCTURAL, STABILIZATION, DUST CONTROL AND EROSION AND SEDIMENTATION CONTROL MEASURES.
2. STRUCTURAL PRACTICES UTILIZED FOR THE PROJECT WILL INCLUDE EROSION CONTROL BARRIERS, STABILIZED CONSTRUCTION ENTRANCES, TEMPORARY DIVERSION SWALES WITH CHECK DAMS, SEDIMENT BASINS, AND INLET PROTECTION.
3. STABILIZATION PRACTICES UTILIZED FOR THE PROJECT WILL INCLUDE TEMPORARY SEEDING, GEOTEXTILES (JUTE MESH), MULCHING, AND PERMANENT SEEDING.
4. OPERATOR PERSONNEL MUST INSPECT THE CONSTRUCTION SITE AT LEAST ONCE EVERY 14 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:
 - A. WHETHER OR NOT THE MEASURE WAS INSTALLED/PERFORMED CORRECTLY.
 - B. WHETHER OR NOT THERE HAS BEEN DAMAGE TO THE MEASURE SINCE IT WAS INSTALLED OR PERFORMED.
 - C. WHAT SHOULD BE DONE TO CORRECT ANY PROBLEMS WITH THE MEASURE.
5. 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.
6. THE TEMPORARY BASINS SHALL BE INSPECTED AND CLEANED IF REQUIRED PRIOR TO ANY PREDICTED LARGE STORM EVENT.



(SCE) CONSTRUCTION SPECIFICATIONS:

1. STONE FOR A STABILIZATION CONSTRUCTION ENTRANCE SHALL BE 1 TO 2 INCH STONE, RECLAIMED STONE.
2. THE LENGTH OF THE STABILIZED ENTRANCE SHALL NOT BE LESS THAN 50 FEET. EXCEPT FOR A SINGLE RESIDENTIAL LOT A 30 FOOT MINIMUM LENGTH WOULD APPLY.
3. THE THICKNESS OF THE STONE FOR THE STABILIZED ENTRANCE SHALL NOT BE LESS THAN 6 INCHES.
4. THE WIDTH OF THE ENTRANCE SHALL NOT BE LESS THAN A FULL WIDTH OF THE ENTRANCE WHERE INGRESS OR EGRESS OCCURS OR 10 FEET, WHICH EVER IS GREATER.
5. GEOTEXTILE FILTER CLOTH SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING THE STONE.
6. ALL SURFACE WATER THAT IS FLOWING TO OR DIVERTED TOWARDS THE CONSTRUCTION ENTRANCE SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A BERM WITH 5:1 SLOPES THAT CAN BE CROSSED BY VEHICLES MAY BE SUBSTITUTED FOR THE PIPE.
7. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOPDRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. SEDIMENT SPILLED, WASHED, OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED PROMPTLY.



REV	DATE	DESCRIPTION	BY	APP

MG
MCKENZIE
ENGINEERING GROUP
Assinippi Office Park
150 Longwater Drive, Suite 101
Norwell, MA 02061
P: 781.792.3800
F: 781.792.0333
www.mckeng.com

PROP. MIXED-USE DEVELOPMENT
ASSESSORS PARCEL 29-329-9-0
655 WASHINGTON STREET
WEYMOUTH, MASSACHUSETTS

PROFESSIONAL ENGINEER:
BRADLEY C. MCKENZIE
CIVIL No. 36917
EXPIRES 12/31/2024

APPLICANT:
TRINITY GREEN DEVELOPMENT, LLC
180 CANTON AVE.
MILTON, MASSACHUSETTS 02186

DRAWN BY: RPL
DESIGNED BY: RPL
CHECKED BY: AJC
APPROVED BY: BCM
DATE: 1/12/21
SCALE: AS NOTED
PROJECT NO.: 220-164
DWG. TITLE:

Erosion & Sedimentation Control Plan

DWG. NO: **ES-1**

PERMIT PLAN SET