

# 9 GREEN STREET DEVELOPMENT PROJECT

## 9 Green Street Holliston, Massachusetts

**OWNER/APPLICANT:**  
TOWN OF HOLLISTON  
1750 WASHINGTON STREET  
HOLLISTON, MA 01746

**LANDSCAPE ARCHITECT:**  
SHADLEY ASSOCIATES, P.C.  
1730 MASSACHUSETTS AVENUE  
LEXINGTON, MA 02420

**CIVIL ENGINEER:**



PARE CORPORATION  
ENGINEERS - SCIENTISTS - PLANNERS  
8 BLACKSTONE VALLEY PLACE  
LINCOLN, RI 02865  
401-334-4100



SCALE: N.T.S.

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**DECEMBER 5, 2022**







## ABBREVIATIONS

## GENERAL

AADT	ANNUAL AVERAGE DAILY TRAFFIC
ABAN	ABANDON
ADA	AMERICANS WITH DISABILITIES ACT
ADJ	ADJUST
APPROX	APPROXIMATE
AC	ASPHALT CONCRETE
ACCM PIPE	ASPHALT COATED CORRUGATED METAL PIPE
ASSF	AREA SUBJECT TO STORM FLOWAGE
ATD	ASPHALT TURNDOWN
ATG	ADJUST TO GRADE
BB	BITUMINOUS BERM
BC	BOTTOM OF CURB (FINISHED GRADE ON LOW SIDE OF CURB)
BD	BOUND
BIT	BITUMINOUS
BL	BASELINE
BLDG	BUILDING
BM	BENCHMARK
BMP	BEST MANAGEMENT PRACTICE
BO	BY OTHERS
BOL	BOLLARD
BOS	BOTTOM OF SLOPE
BOT	BOTTOM
BPM	BLACKOUT PAVEMENT MARKING
BR	BRIDGE
BS	BOTTOM OF STAIR (FINISHED GRADE AT BOTTOM STAIR)
BW	BOTTOM OF WALL (FINISHED GRADE ON LOW SIDE OF WALL)
BWL	BROKEN WHITE LINE
BYL	BROKEN YELLOW LINE
C=	CURVE LENGTH
CB	CATCH BASIN
CBCI	CATCH BASIN WITH CURB INLET
CC	CEMENT CONCRETE
CCM	CEMENT CONCRETE MASONRY
CCW	CEMENT CONCRETE WALK
CD	CHECK DAM
CE	CONSTRUCTION ENTRANCE
CEM	CEMENT
CFS	COMPOST FILTER SOCK
CG	CLEAR AND GRUB VEGETATION
CH	CHORD LENGTH
CI	CURB INLET
CIP	CAST IRON PIPE
CL	CENTERLINE
CLDI	CEMENT-LINED DUCTILE IRON
CLF	CHAIN LINK FENCE
CLSM	CONTROLLED LOW STRENGTH MATERIAL
CLR	CLEAR
CLS	CLASS
CM	SAWCUT AND MATCH
CMP	CORRUGATED METAL PIPE
CO	CLEANOUT
CONC	CONCRETE
CONT	CONTINUOUS
CONST	CONSTRUCTION
CP	CONCRETE PAD
CR GR	CROWN GRADE
CSP	CORRUGATED STEEL PIPE
CSTR	CONCRETE STAIRS
CTE	CONNECT TO EXISTING
CW	CROSSWALK
DEMO	DEMOLITION
DET	DETECTABLE
DHV	DESIGN HOURLY VOLUME
DI	DROP INLET
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DIV	DIVERSION
DMH	DRAIN MANHOLE
DTP	DRIPLINE TREE PROTECTION
DWL	DOTTED WHITE LINE
DWLex	DOTTED WHITE LINE EXTENSION
DBWL	DOUBLE WHITE LINE
DWP	DETECTABLE WARNING PAVER
DYL	DOTTED YELLOW LINE
DYLex	DOTTED YELLOW LINE EXTENSION
DBYL	DOUBLE YELLOW LINE
DW	STEADY DON'T WALK - PORTLAND ORANGE
DWY	DRIVEWAY
ELEV (or EL)	ELEVATION
EMB	EMBANKMENT
EMH	ELECTRIC MANHOLE
EOP	EDGE OF PAVEMENT
ETR	EXISTING TO REMAIN. PROTECT DURING CONSTRUCTION.
EXIST (or EX)	EXISTING
EXC	EXCAVATION

F&C	FRAME AND COVER
F&G	FRAME AND GRATE
FDN	FOUNDATION
FES	FLARED END SECTION
FFE	FINISH FLOOR ELEVATION
FLDSTN	FIELDSTONE
FND	FOUND
FT	FOOT
GAR	GARAGE
GD	GROUND
GG	GAS GATE
GI	GUTTER INLET
GIP	GALVANIZED IRON PIPE
GRAN	GRANITE
GRAV	GRAVEL
GRD	GUARD
GTD	GRADE TO DRAIN
GV	GATE VALVE
HCPBS	HANDICAP ACCESSIBLE PARKING SIGN
HDBC	HEAVY DUTY BITUMINOUS CONCRETE
HDPE	HIGH DENSITY POLYETHYLENE PIPE
HDPS	HANDICAP ACCESSIBLE PARKING SIGN
HDW	HEADWALL
HMA	HOT MIX ASPHALT
HMAW	HOT MIXED ASPHALT WALKWAY
HOR	HORIZONTAL
HPR	HEADWALL PROTECTION RACK
HYD	HYDRANT
ID	INSIDE DIAMETER
INV	INVERT
JCT	JUNCTION
L=	LENGTH OF CURVE
LB	LEACH BASIN
LOD	LIMIT OF DISTURBANCE
LP	LOW POINT
LS	LOAM AND SEED
LSOD	LOAM AND SOD
LT	LEFT
LTP	LIGHT POLE
MAX	MAXIMUM
MB	MAILBOX
MCW	MONOLITHIC CONCRETE WALK
MH	MANHOLE
MIN	MINIMUM
MON	MONITORING
MUTCD	MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION
NIC	NOT IN CONTRACT
NO	NUMBER
NTS	NOT TO SCALE
OCS	OUTLET CONTROL STRUCTURE
OD	OUTSIDE DIAMETER
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
OWS	OIL WATER SEPARATOR
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVATURE
PCFES	PRECAST CONCRETE FLARED END SECTION
PTC	PRECAST CONCRETE TRANSITION CURB
PCR	PEDESTRIAN CURB RAMP
PE	POLYETHYLENE
PERF	PERFORATED
PGL	PROFILE GRADE LINE
PHMA	POROUS HOT MIXED ASPHALT PAVEMENT
PI	POINT OF INTERSECTION
POC	POINT ON CURVE
POT	POINT ON TANGENT
PM	PAVEMENT MARKING
PRC	POINT OF REVERSE CURVATURE
PROJ	PROJECT
PROP	PROPOSED
PSB	PLANTABLE SOIL BORROW
PT	POINT OF TANGENCY
PVC	POINT OF VERTICAL CURVATURE
PVCH	POLYVINYL CHLORIDE
PVI	POINT OF VERTICAL INTERSECTION
PVT	POINT OF VERTICAL TANGENCY
PVMT	PAVEMENT
PWW	PAVED WATER WAY
QPA	QUALIFYING PERVIOUS AREA
R&D	REMOVE AND DISPOSE
R&R	REMOVE AND RESET
R&S	REMOVE AND STACK
R=	RADIUS
RA	RAILING
RCP	REINFORCED CONCRETE PIPE
RDWY	ROADWAY
REM	REMOVE
RET	RETAIN
RET WALL	RETAINING WALL



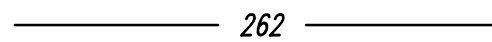
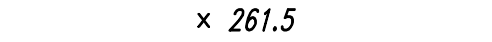
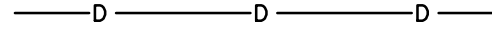
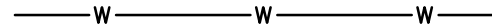

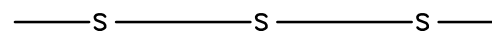
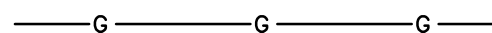
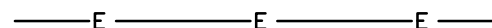
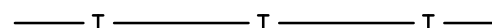
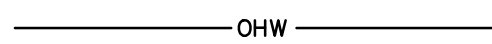
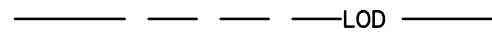
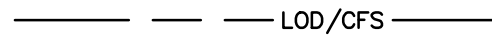








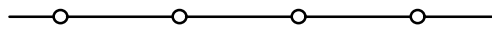
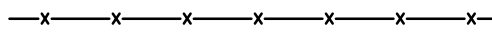
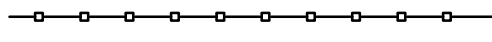
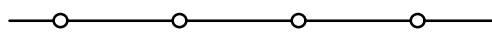
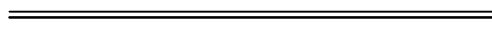
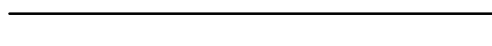
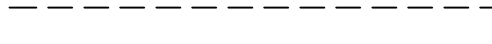




RRLS	RIPRAP LEVEL SPREADER
ROW	RIGHT OF WAY
RR	RAILROAD
RRS	RIPRAP SLOPE
RS	RIPRAP SPILLWAY
RT	RIGHT
RTAD	REFER TO ARCHITECTURAL DRAWINGS
RTED	REFER TO ELECTRICAL DRAWINGS
RTFPD	REFER TO FIRE PROTECTION DRAWINGS
RTLd	REFER TO LANDSCAPE DRAWINGS
RTMD	REFER TO MECHANICAL DRAWINGS
RTPD	REFER TO PLUMBING DRAWINGS
RTSD	REFER TO STRUCTURAL DRAWINGS
S=	SLOPE
SB	SAND BAG EROSION CONTROL BARRIER
SDR	STANDARD DIMENSIONAL RATIO
SED	SEDIMENT
SESC	SOIL EROSION AND SEDIMENT CONTROL
SFL	STATE FREEWAY LINE
SFCD	SEDIMENT FOREBAY CHECK DAM
SG	SWING GATE
SHL	STATE HIGHWAY LINE
SHLD	SHOULDER
SHLO	STATE HIGHWAY LAYOUT
SHP	HANDICAP PARKING PAVEMENT MARKING
SM	SEDIMENT MARKER
SMH	SEWER MANHOLE
SSD	STOPPING SIGHT DISTANCE
ST	STREET
STA	STATION
SW	SIDEWALK
SWL	SINGLE SOLID WHITE LINE
SWR	SEWER
SYL	SINGLE SOLID YELLOW LINE
T=	TANGENT DISTANCE OF CURVE/TRUCK %
TAN	TANGENT
TD	TEMPORARY DIVERSION
TEMP	TEMPORARY
TC	TOP OF CURB
TDS	TEMPORARY DIVERSION SWALE
TGP	TREE GROUP PROTECTION
TIP	TEMPORARY INLET PROTECTION
TMH	TELEPHONE MANHOLE
TOS	TOP OF SLOPE
TP	TEST PIT
TRAN	TRANSITION
TRM	TURF REINFORCEMENT MAT
TS	TOP OF STAIR (FINISHED GRADE OF TOP STAIR)
TST	TEMPORARY SEDIMENT TRAP
TSW	TEMPORARY SWALE
TW	TOP OF WALL
TYP	TYPICAL
UP	UTILITY POLE
VAR	VARIES
VERT	VERTICAL
VC	VERTICAL CURVE
VCC	VERTICAL CONCRETE CURB
VCP	VEHICULAR CONCRETE PAVEMENT
VFC	VITRIFIED CLAY
VEG	VEGETATION
VEH	VEHICULAR
VFS	VEGETATED FILTER STRIP
VGC	VERTICAL GRANITE CURB
VGTC	VERTICAL GRANITE TRANSITION CURB
VLF	VINYL FENCE
w/	WITH
WG	WATER GATE
WIP	WROUGHT IRON PIPE
WM	WATER METER/WATER MAIN
WMH	WATER MANHOLE
WPM	WATER PAINT MARK
X-SECT	CROSS SECTION
YD	YARD DRAIN
4DY	4" DOUBLE YELLOW EPOXY RESIN PAVEMENT MARKING
4W	4" SOLID WHITE EPOXY RESIN PAVEMENT MARKING
12W	12" SOLID WHITE EPOXY RESIN PAVEMENT MARKING

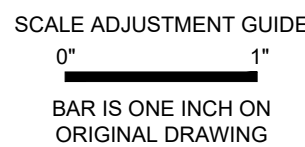
## MASSACHUSETTS ABBREVIATIONS

## GENERAL

CMR	CODE OF MASSACHUSETTS REGULATIONS
MASSDEP	MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
MASSDOT	MASSACHUSETTS DEPARTMENT OF TRANSPORTATION
MA STD.	MASSACHUSETTS STANDARD
MHB	MASSACHUSETTS HIGHWAY BOUND

### LEGEND

PROPERTY LINE	
SETBACKS	
EASEMENT LINE	
CONTOUR	
SPOT ELEVATION	
DRAINAGE LINE	
WATER LINE	
FIRE WATER LINE	
SANITARY SEWER LINE	
GAS LINE	
ELECTRIC	
TELEPHONE LINE	
OVERHEAD ELECTRIC LINE	
LIMIT OF DISTURBANCE	
LIMIT OF DISTURBANCE/COMPOST FILTER SOCK	
CATCH BASIN	
HYDRANT	
DRAINAGE MANHOLE	
SEWER MANHOLE	
UTILITY POLE	
WATER VALVE	
GAS GATE	
LIGHT POLE	
TREE LINE	
STONE WALL	
CHAIN LINK FENCE	
WIRE FENCE	
WOOD FENCE	
FENCE	
CURBING	
EDGE OF PAVEMENT	
SAWCUT LINE	
SIGN	
COMPOST FILTER SOCK	
SAND BAGS	
NO. OF PARKING SPACES	
WETLAND EDGE	
25' WETLAND BUFFER	
50' NO DISTURB ZONE	
100' WETLAND BUFFER	



**Town of Holliston**  
**9 Green Street**  
**Holliston, Massachusetts**



## REVISIONS:

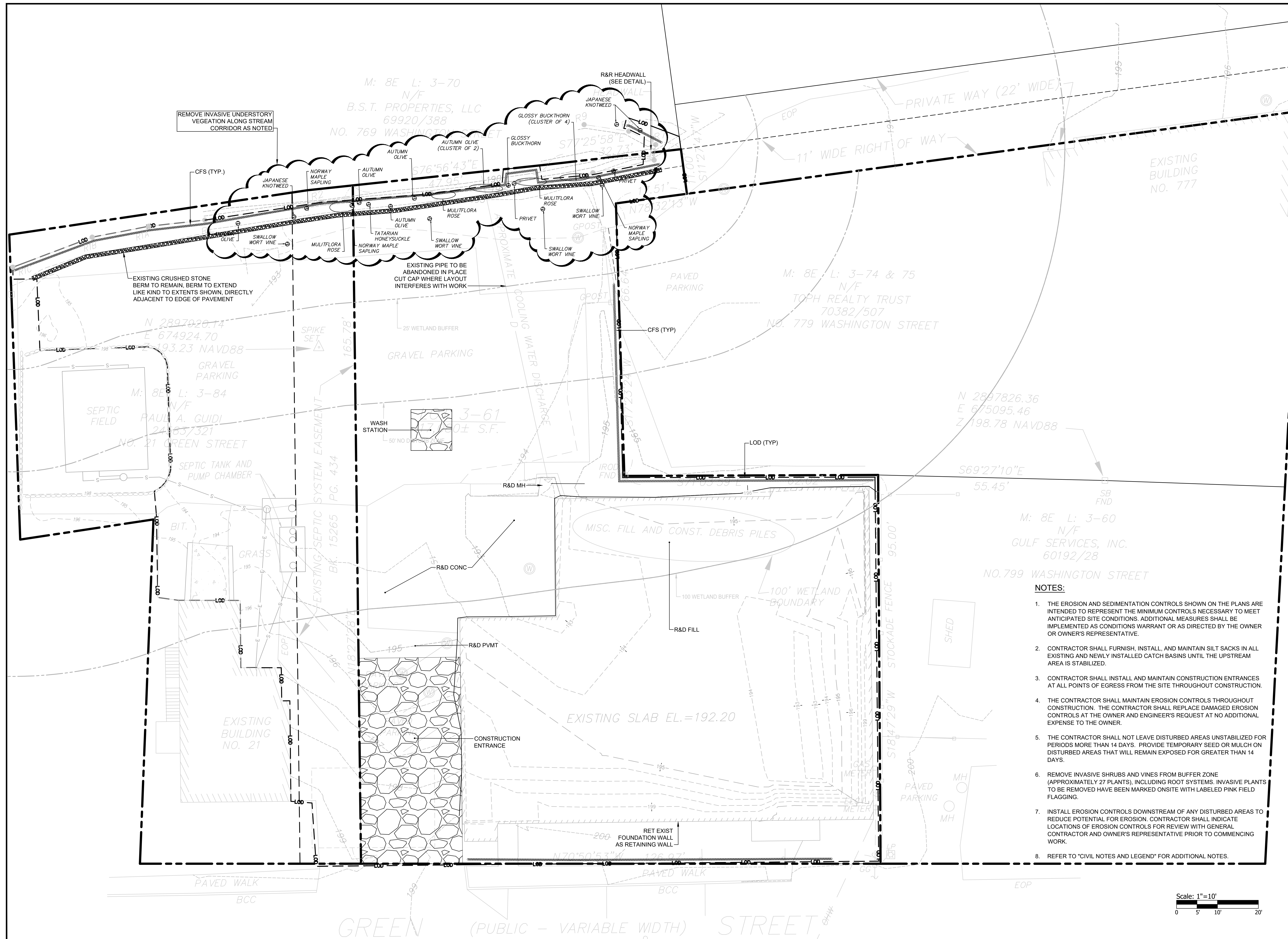
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DATE:	OCTOBER 2022
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DESIGNED BY:	GLH
CHECKED BY:	SL
DRAWN BY:	AWB
APPROVED BY:	JAJ
DRAWING TITLE:	

### LEGEND

DRAWING NO.:  
**C1.2**  
SHEET NO. 2 OF 10

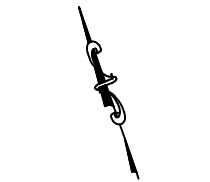
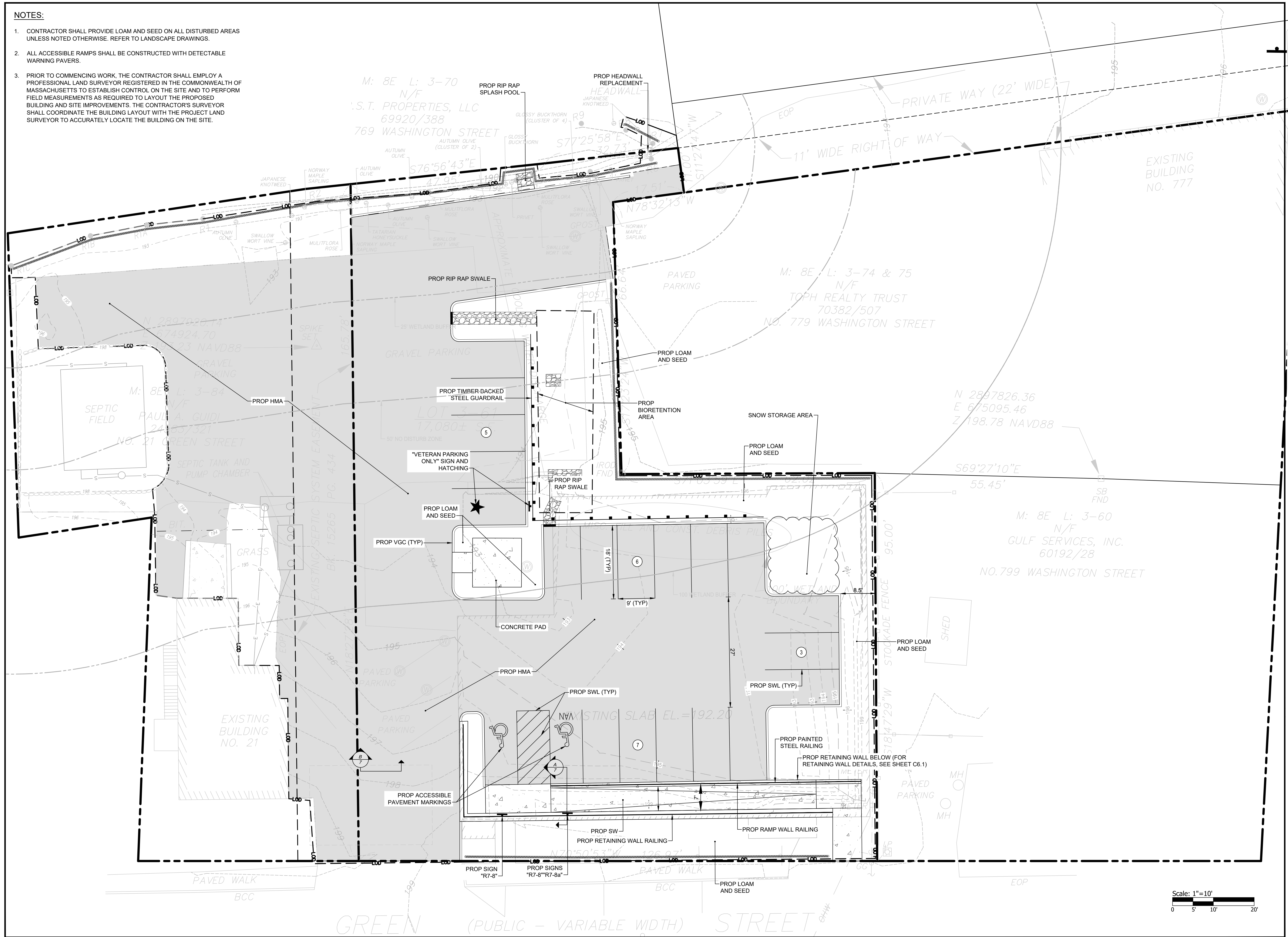






NOTES:

- CONTRACTOR SHALL PROVIDE LOAM AND SEED ON ALL DISTURBED AREAS UNLESS NOTED OTHERWISE. REFER TO LANDSCAPE DRAWINGS.
- ALL ACCESSIBLE RAMPS SHALL BE CONSTRUCTED WITH DETECTABLE WARNING PAVERS.
- PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL EMPLOY A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE COMMONWEALTH OF MASSACHUSETTS TO ESTABLISH CONTROL ON THE SITE AND TO PERFORM FIELD MEASUREMENTS AS REQUIRED TO LAYOUT THE PROPOSED BUILDING AND SITE IMPROVEMENTS. THE CONTRACTOR'S SURVEYOR SHALL COORDINATE THE BUILDING LAYOUT WITH THE PROJECT LAND SURVEYOR TO ACCURATELY LOCATE THE BUILDING ON THE SITE.



SCALE ADJUSTMENT GUIDE  
0" 1"  
BAR IS ONE INCH ON ORIGINAL DRAWING

Town of Holliston  
9 Green Street  
Holliston, Massachusetts



REVISIONS:

NO.	DESCRIPTION	DATE

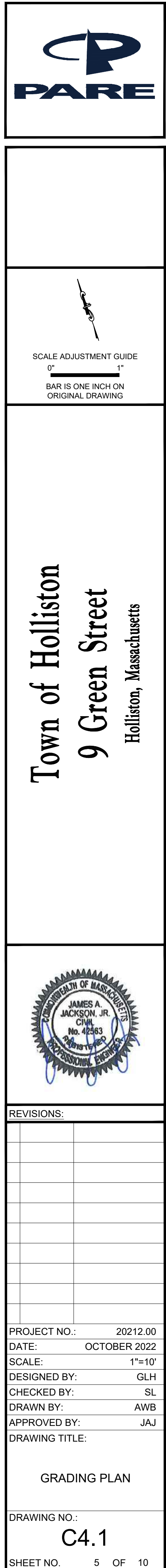
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SCALE: 1"=10'  
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CHECKED BY: SL  
DRAWN BY: AWB  
APPROVED BY: JAJ  
DRAWING TITLE:

GENERAL PLAN

DRAWING NO.:  
C3.1  
SHEET NO. 4 OF 10



1. AT ALL LOCATIONS WHERE EXISTING CURBING OR PAVEMENT ABOUT NEW CONSTRUCTION, THE EDGE OF THE EXISTING CURB OR PAVEMENT SHALL BE SAW CUT TO A CLEAN, SMOOTH EDGE. BLEND NEW PAVEMENT AND CURBS SMOOTHLY INTO EXISTING BY MATCHING LINES, GRADES AND JOINTS.
2. ALL UTILITY COVERS, GRATES, ETC. SHALL BE ADJUSTED TO BE FLUSH WITH THE SURROUNDING SURFACE OR PAVEMENT FINISH GRADE. RIM ELEVATIONS OF STRUCTURES AND MANHOLES ARE APPROXIMATE. FINAL ELEVATIONS ARE TO BE SET FLUSH AND CONSISTENT WITH THE GRADING PLANS.
3. PITCH EVENLY BETWEEN SPOT GRADES. ALL PAVED AREAS MUST PITCH TO DRAIN AT A MIN. OF 1/8" PER FOOT UNLESS SPECIFIED.
4. THE PROPOSED WALKWAYS SHALL HAVE A MAXIMUM CROSS SLOPE OF 2% AND A MAXIMUM RUNNING SLOPE OF 5% AS SHOWN ON CONSTRUCTION DETAILS.
5. ALL GRADING AT ACCESSIBLE ROUTES SHALL COMPLY WITH THE RULES AND REGULATIONS OF THE AMERICANS WITH DISABILITIES ACT (ADA) OF 2010, LATEST EDITION.
6. BASIN BERM SHALL BE CONSTRUCTED WITH COMMON BORROW PLACED IN 12" LEFTS AND COMPACTED TO 95% TO FINISH GRADE. REMOVE ALL EXISTING TOPSOIL AND ORGANIC MATERIAL PRIOR TO CONSTRUCTING BASIN BERM.
7. TURF REINFORCEMENT MAT (TRM) SHALL BE INSTALLED ON ALL SLOPES 3:1 OR GREATER.
8. REFER TO "CIVIL NOTES AND LEGEND" FOR ADDITIONAL NOTES.



**Town of Holliston  
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DRAWN BY:	AWB
APPROVED BY:	JAJ
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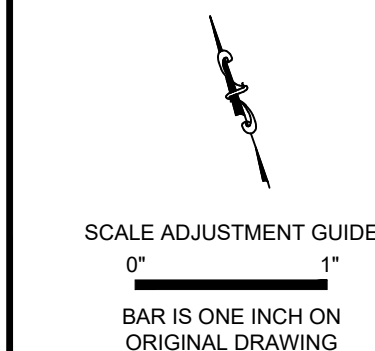
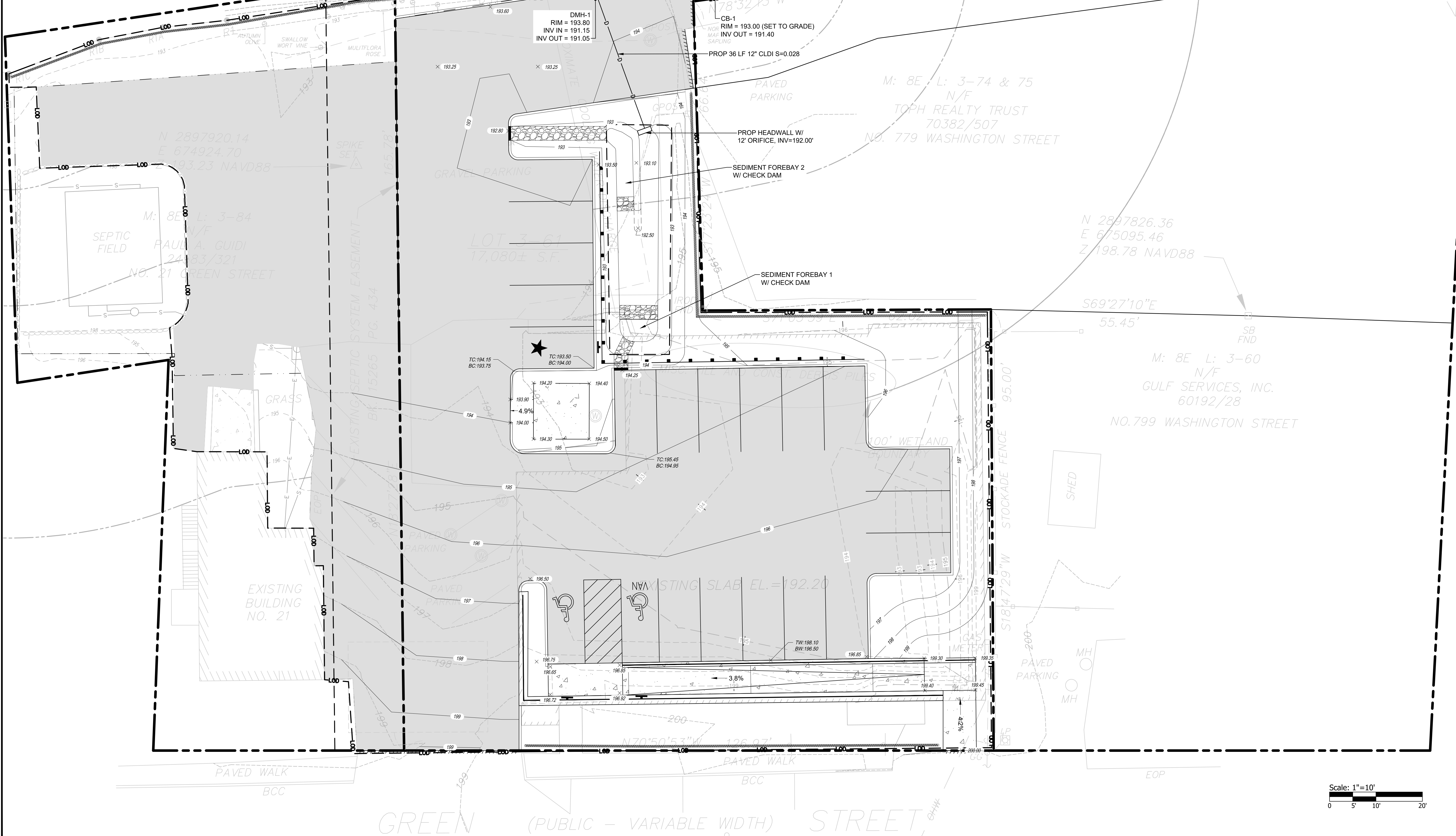
## GRADING PLAN

DRAWING NO.:  
C4.1

SHEET NO. 5 OF 10



1. ALL CATCH BASINS AND DRAIN MANHOLES SHALL BE 4' DIA. PRECAST CONCRETE UNLESS NOTED OTHERWISE.
2. ALL DRAIN PIPES SHALL BE SMOOTH INTERIOR CORRUGATED HIGH DENSITY POLYETHYLENE UNLESS NOTED OTHERWISE.
3. REINFORCED CONCRETE PIPE (RCP) SHALL BE CLASS III UNLESS NOTED OTHERWISE.
4. ALL SLOPES PROVIDED ARE FT/FT.
5. ALL CATCH BASINS AND AREA DRAINS SHALL BE INSTALLED WITH A SUMP AND OUTLET HOOD PER THE DETAIL.
6. ALL SEWER MANHOLES SHALL BE 4' DIA. UNLESS NOTED OTHERWISE.
7. REFER TO ELECTRICAL DRAWINGS FOR INFORMATION ON ELECTRIC AND TEL/DATA DUCT BANKS AND STRUCTURES. ALL ELECTRICAL FACILITIES DISPLAYED FOR REFERENCE ONLY.
8. REPAIR OR REPLACE DAMAGED IRRIGATION FACILITIES TO PRE-CONSTRUCTION CONDITIONS AT NO ADDITIONAL COST TO THE OWNER.
9. MODIFICATIONS AND REPAIRS TO THE EXISTING IRRIGATION SYSTEM AND SUPPLY WATER SERVICE SHALL BE DESIGNED, FURNISHED AND INSTALLED BY THE CONTRACTOR. THIS INCLUDES ALL WATER AND ELECTRICAL COMPONENTS INSTALLED PER MANUFACTURERS RECOMMENDATIONS.
10. REFER TO "CIVIL NOTES AND LEGEND" FOR ADDITIONAL NOTES.



**Town of Holliston  
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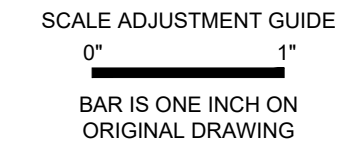
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DRAWN BY:	AWB
APPROVED BY:	JAJ
DRAWING TITLE:	

DRAINAGE & UTILITY  
PLAN

DRAWING NO.:  
C5.1

SHEET NO. 6 OF 1





**Town of Holliston**  
**9 Green Street**  
**Holliston, Massachusetts**



REVISIONS:

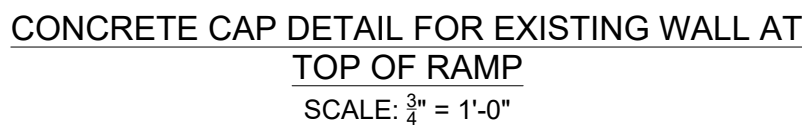
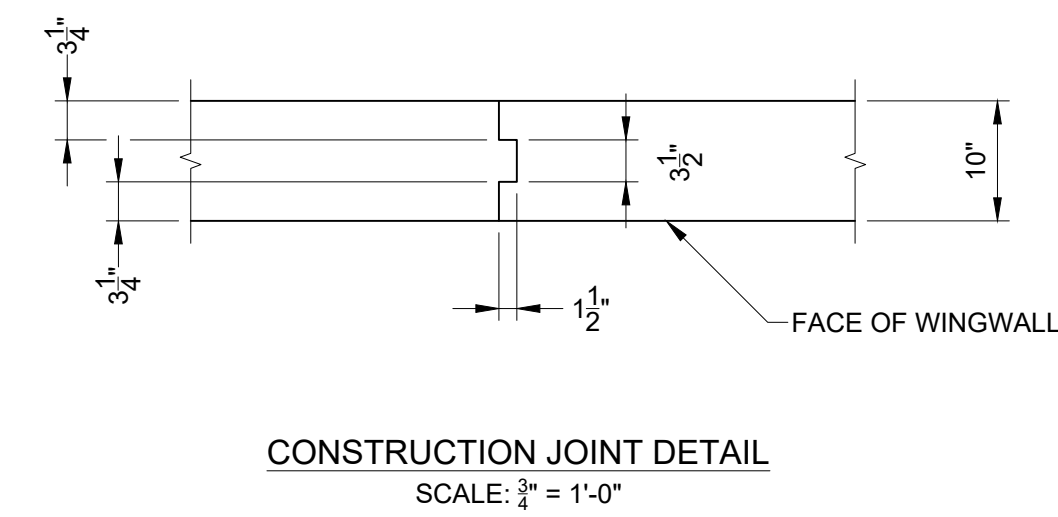
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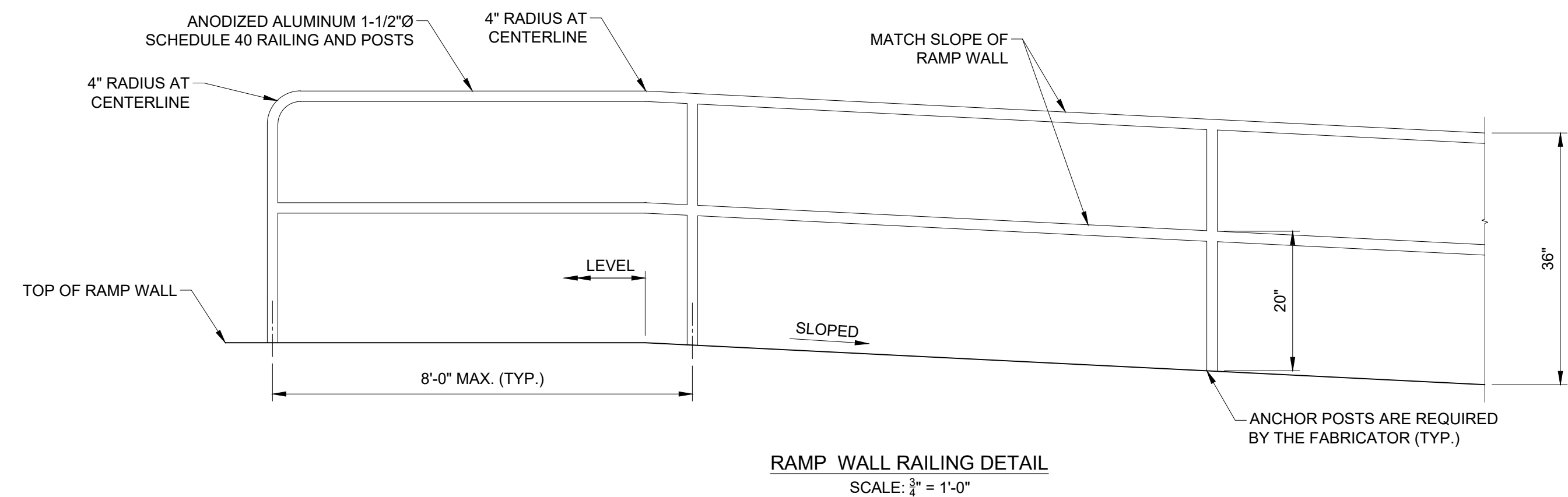
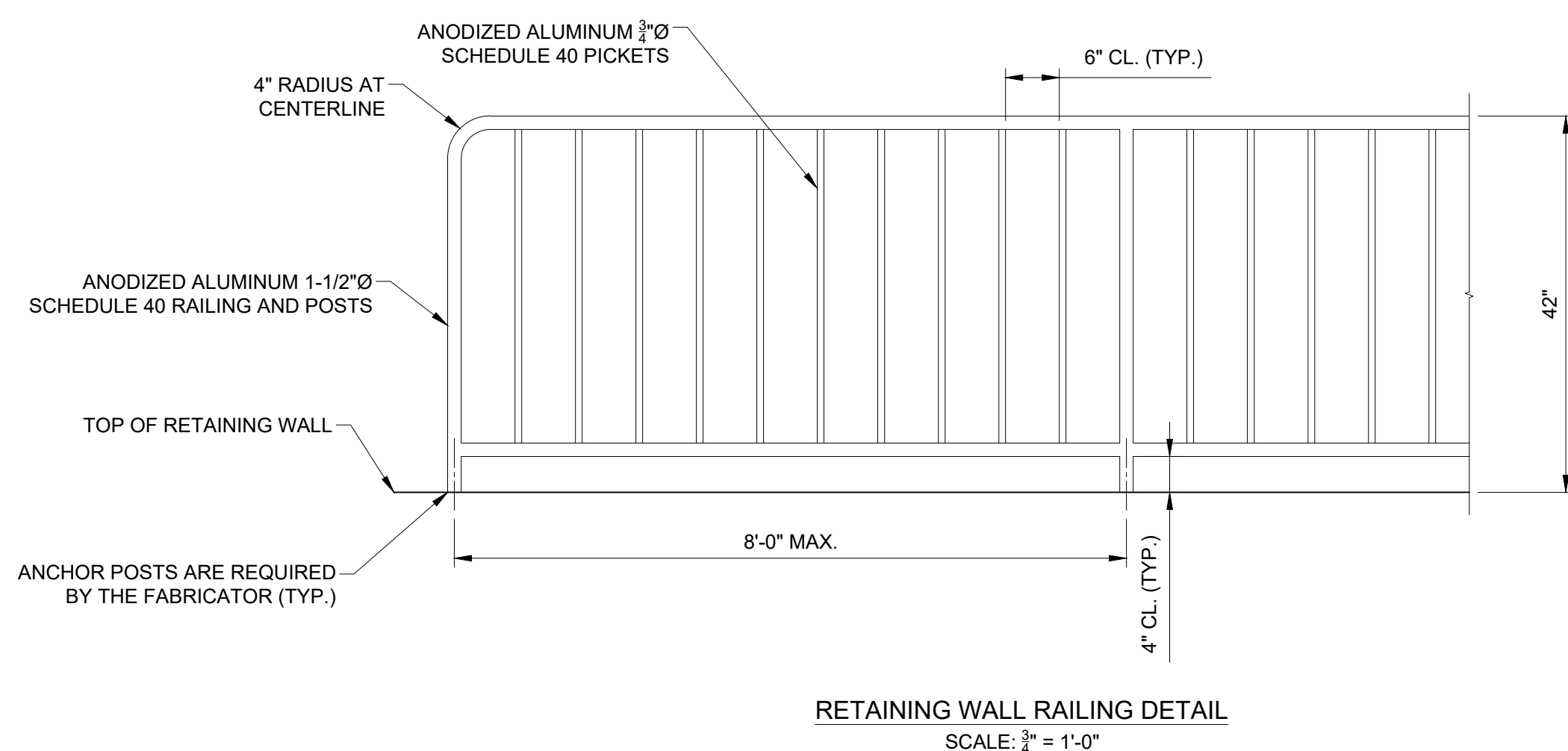
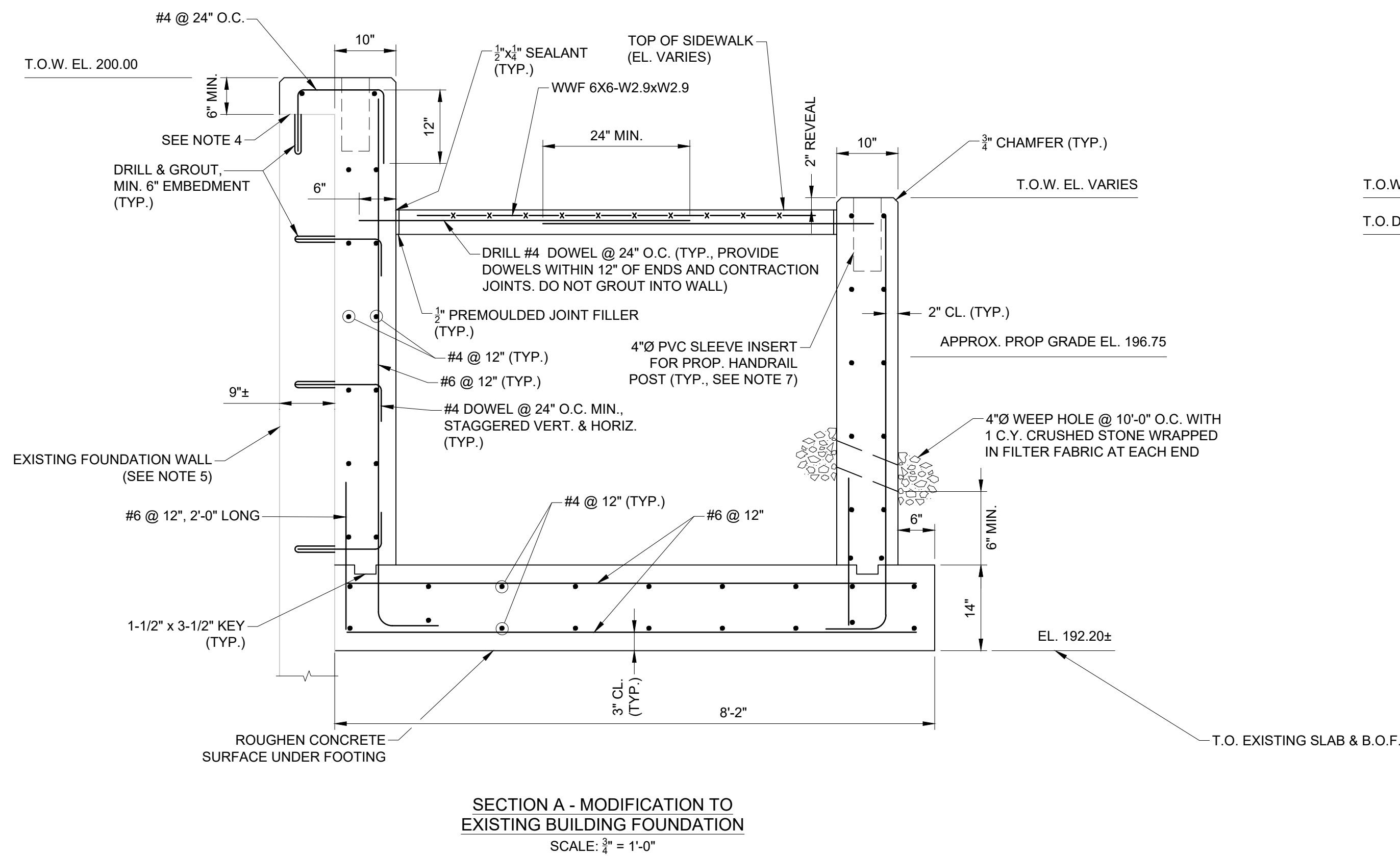
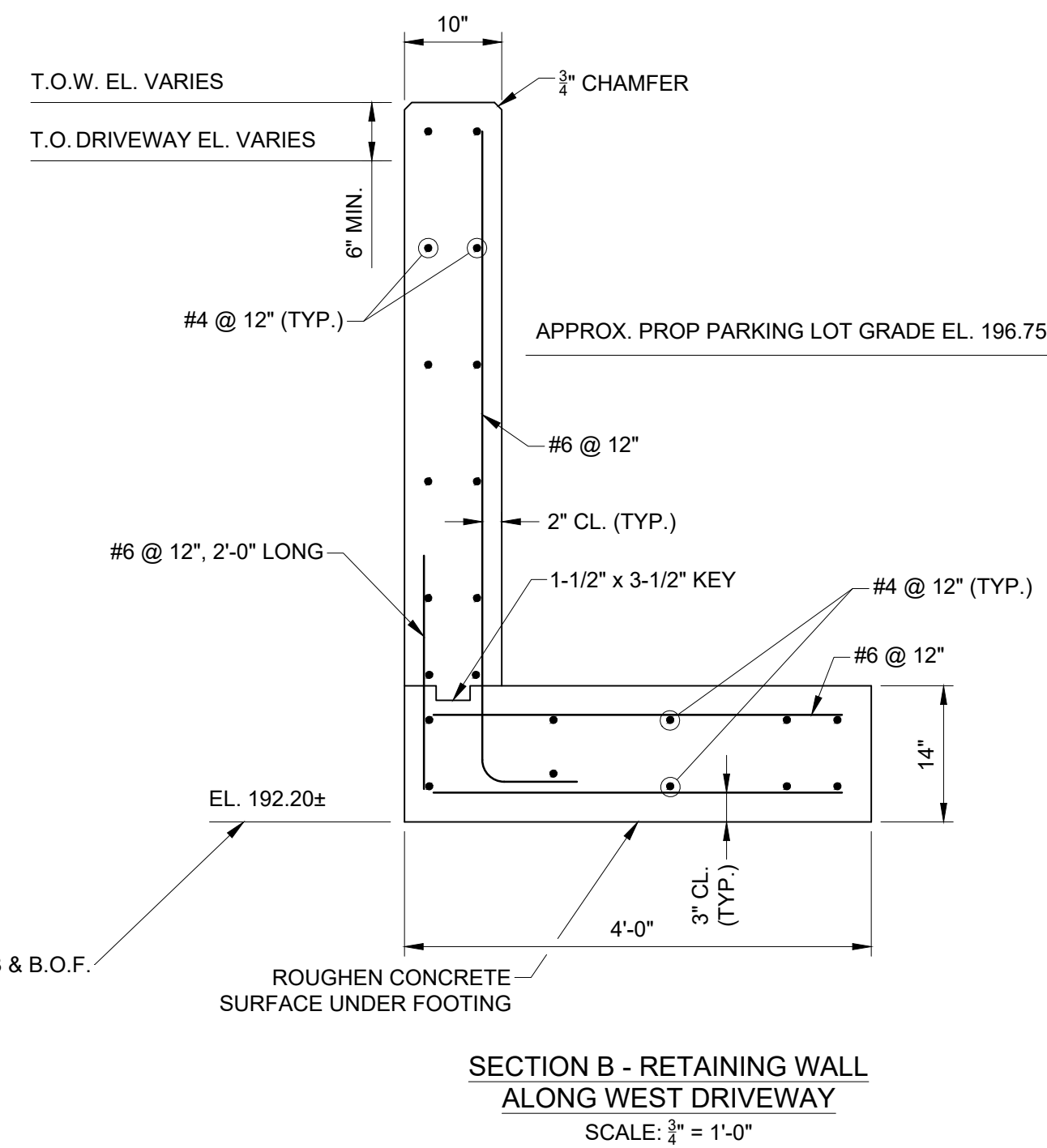
## RETAINING WALL DETAILS

DRAWING NO.:  
**C6.1**

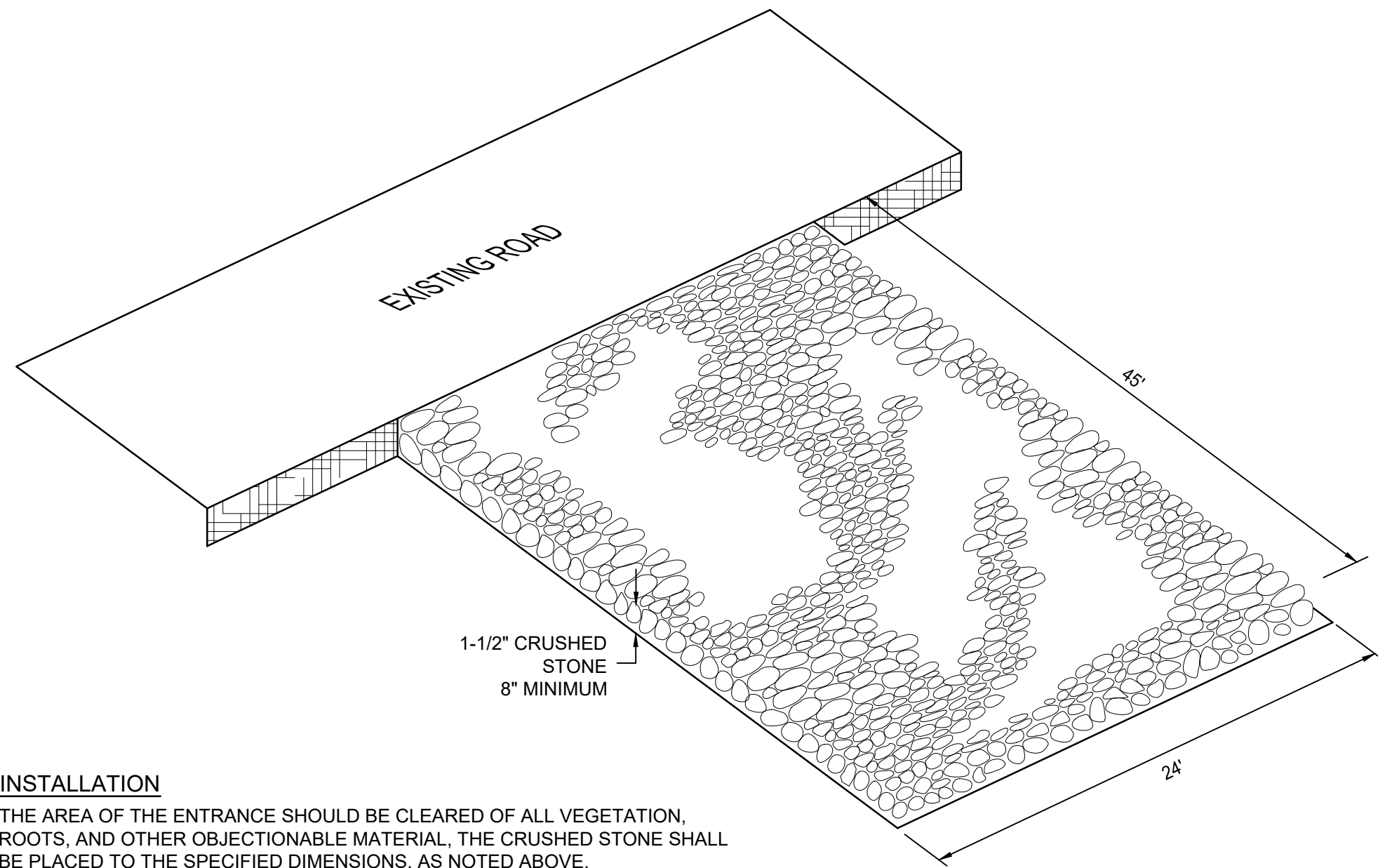
SHEET NO. 7 OF 10



- NOTES:**
1. ALL WORK TO CONSTRUCT THE RETAINING WALLS SHOWN SHALL BE IN ACCORDANCE WITH THE 2022 MASSACHUSETTS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES.
  2. ALL CONCRETE SHALL BE 4000 PSI, 1.5 INCH, 565 CEMENT CONCRETE.
  3. THE EXISTING CONCRETE SLAB SHALL BE MECHANICALLY ROUGHENED AND CLEANED OF ALL DEBRIS AND DIRT TO ALLOW PROPER ADHESION OF THE PROPOSED CONCRETE TO THE SLAB. ALL EXISTING SURFACES SHALL BE THOROUGHLY CLEANED AND WETTED TO SATURATED SURFACE DRY (ssd) CONDITION IMMEDIATELY PRIOR TO CASTING NEW CONCRETE.
  4. REMOVE THE TOP OF EXISTING FOUNDATION WALL TO SOUND CONCRETE OR A MINIMUM OF 6" BELOW THE PROPOSED TOP OF WALL ELEVATION, WHICH EVER IS GREATER.
  5. WHERE SECTIONS OF WALL ARE MISSING, THE WIDTH OF THE PROPOSED WALL STEM SHALL MATCH THE WIDTH OF THE OTHER PROPOSED PORTIONS OF WALL.
  6. THE MAXIMUM SPACING BETWEEN CONSTRUCTION JOINTS SHALL BE 20 FEET.
  7. POST SLEEVE SPACING SHALL BE AS REQUIRED BY THE RAILING FABRICATOR/DESIGNER.
  8. PROVIDE SIDEWALK CONTRACTION JOINTS AT 10'-0" O.C. MAX.







#### INSTALLATION

THE AREA OF THE ENTRANCE SHOULD BE CLEARED OF ALL VEGETATION, ROOTS, AND OTHER OBJECTIONABLE MATERIAL. THE CRUSHED STONE SHALL BE PLACED TO THE SPECIFIED DIMENSIONS, AS NOTED ABOVE.

#### MAINTENANCE

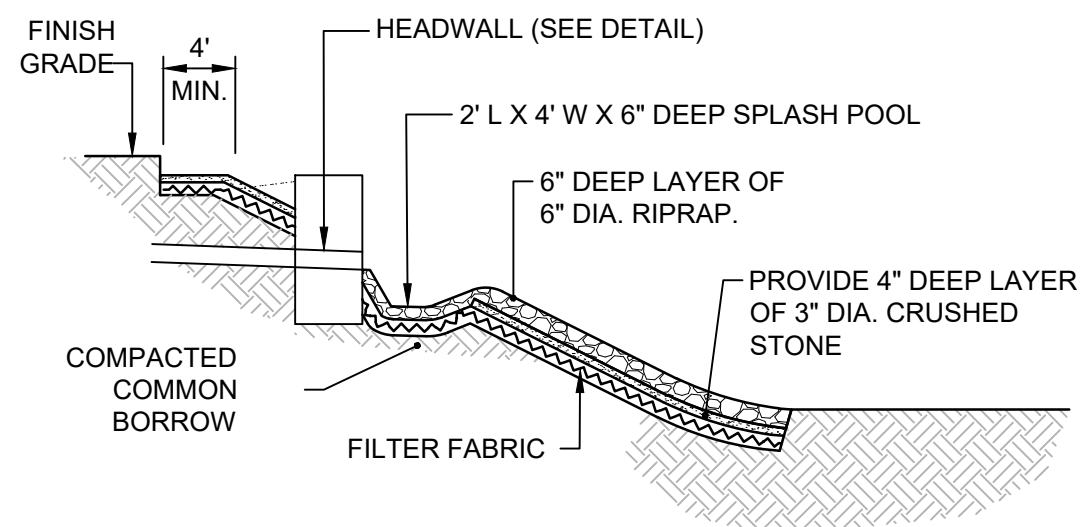
THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENTS ONTO PUBLIC RIGHT-OF-WAYS. THIS WILL REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE, OR ADDITIONAL LENGTH, AS CONDITIONS DEMAND, AND REPAIR, AND / OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAYS MUST BE REMOVED IMMEDIATELY.

#### LOCATION

SEE PROJECT PLANS FOR LOCATION OF CONSTRUCTION ENTRANCE.

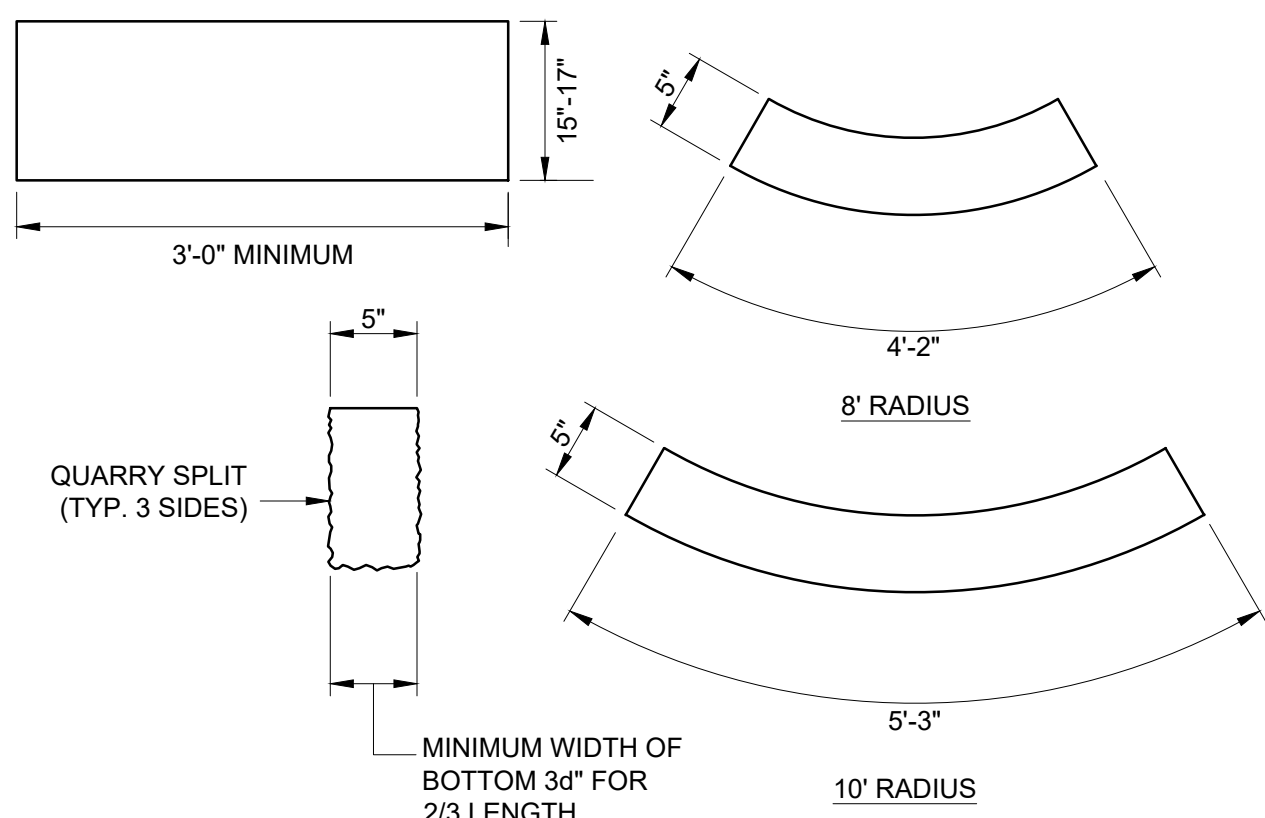
### CONSTRUCTION ENTRANCE PROTECTION STONE STABILIZATION PAD

NOT TO SCALE



### SPLASH POOL DETAIL

NOT TO SCALE

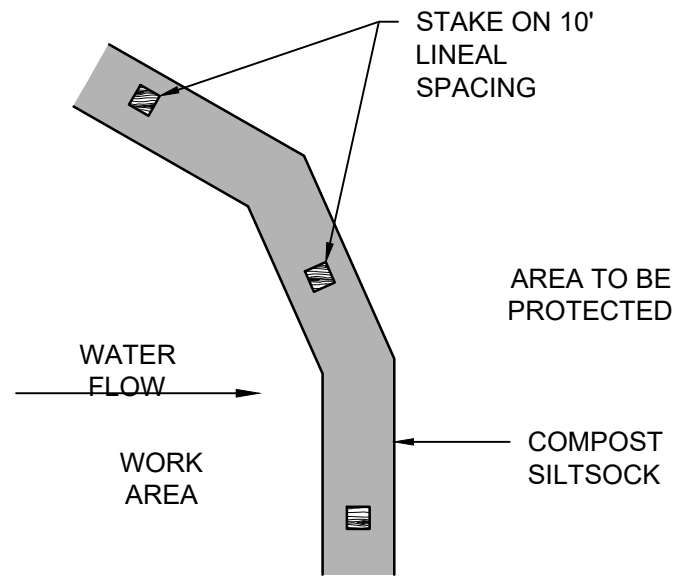


#### NOTES:

1. MAXIMUM LENGTHS USING 8' & 10' RADII, WITH 90° ANGLE, ARE 4'-2" AND 5'-3" RESPECTIVELY.
2. MINIMUM LENGTH OF STRAIGHT OR CIRCULAR FILLER PIECES TO BE 3'-0".
3. TOP SURFACE TO BE DRESSED BY SAW.
4. CIRCULAR CURB IS REQUIRED ON CURVES WITH RADII OF 100' OR LESS. STRAIGHT CURB TO BE USED ON CURVES OF MORE THAN 100' RADII.
5. GRANITE CURB SHALL CONFORM TO MASSDOT STD. SPECIFICATION MATERIALS SECTION M9.04.1 GRANITE CURB, TYPE VB.

### GRANITE CURB QUARRY SPLIT

NOT TO SCALE

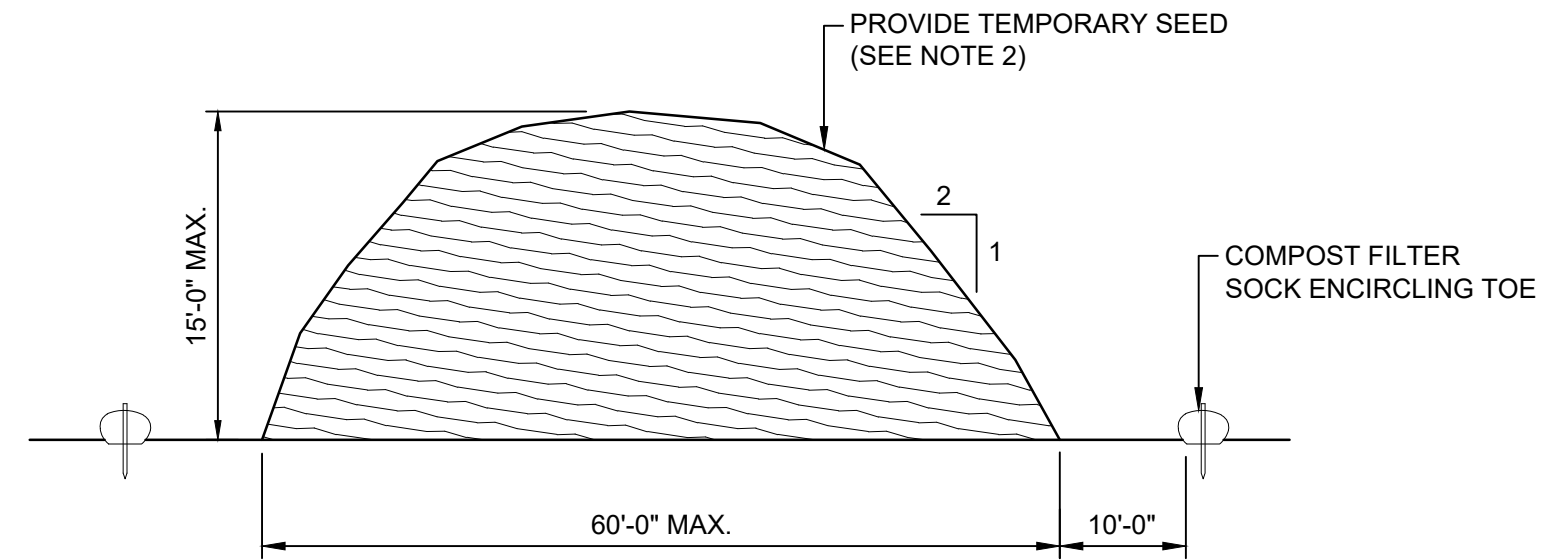
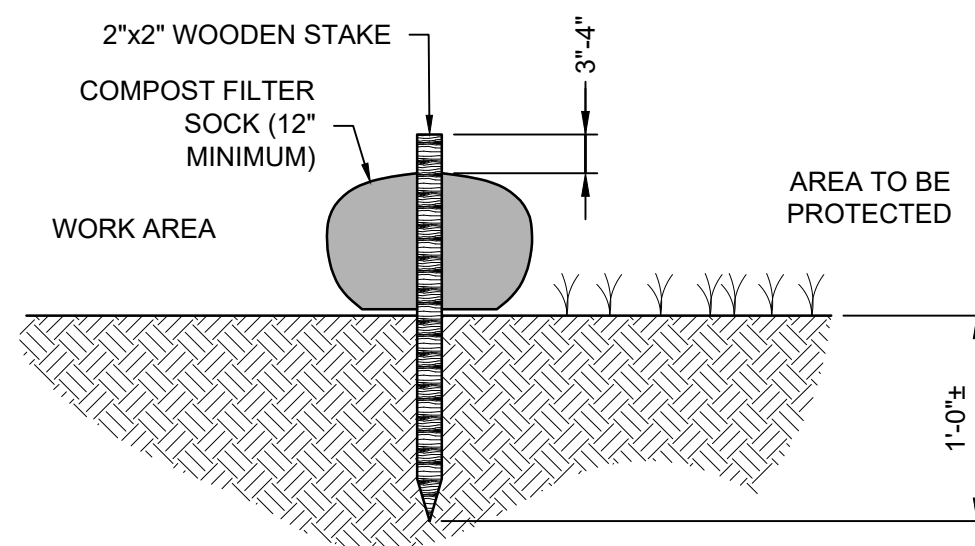


#### NOTES:

1. COMPOST/ SOIL/ ROCK/ SEED FILL TO MEET APPLICATION REQUIREMENTS.
2. COMPOST MATERIAL TO BE REMOVED OR DISPERSED ON SITE AS DETERMINED BY ENGINEER.
3. IF SOCK NETTING MUST BE JOINED, FIT BEGINNING OF NEW SOCK OVER END OF OLD SOCK, OVERLAPPING BY 2 FEET AND STACK OVERLAP. IF SOCK NETTING IS NOT JOINED, OVERLAP OLD SOCK WITH NEW ONE BY MINIMUM OF 2 FEET.

### COMPOST FILTER SOCK DETAIL

NOT TO SCALE

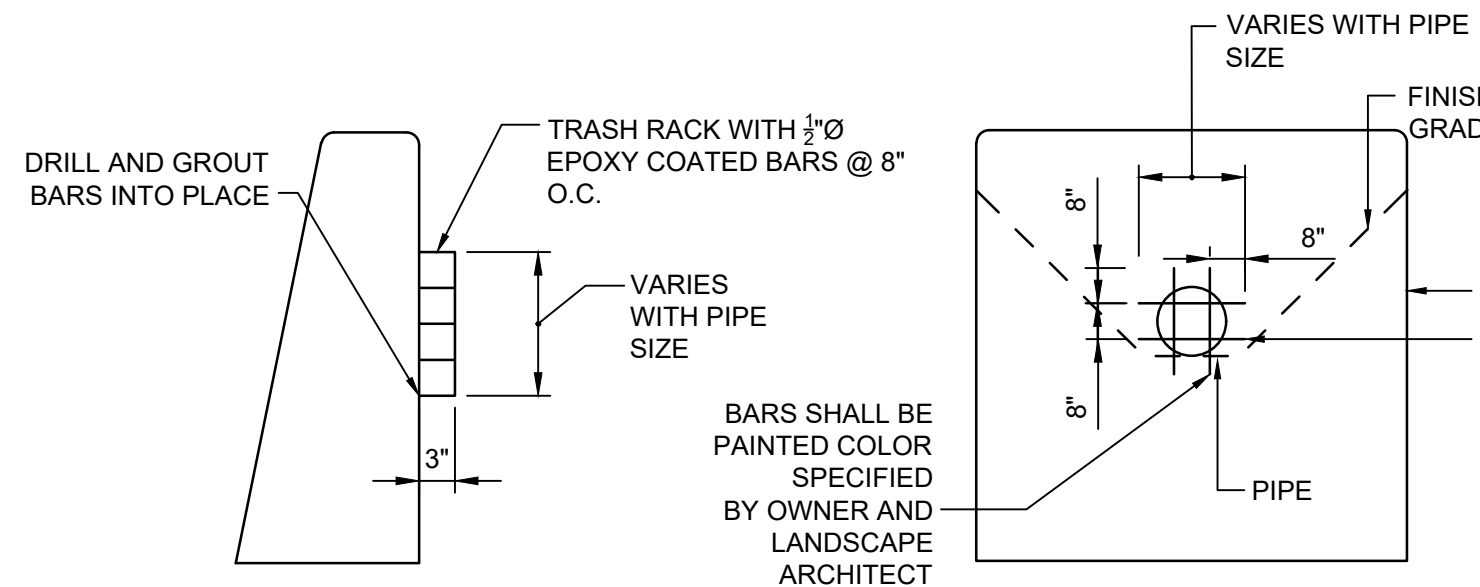


#### NOTES:

1. STOCKPILE AREA SHALL NOT EXCEED SPECIFIED DIMENSIONS WITHOUT APPROVAL FROM ENGINEER.
2. STOCKPILED ERODIBLE MATERIAL THAT WILL NOT BE USED FOR GREATER THAN 14 DAYS SHALL BE STABILIZED WITH TEMPORARY SEED IMMEDIATELY FOLLOWING PLACEMENT. USE RIDOT STD. M.18.10.5 SEED MIX.

### ERODIBLE MATERIAL STOCKPILE

NOT TO SCALE

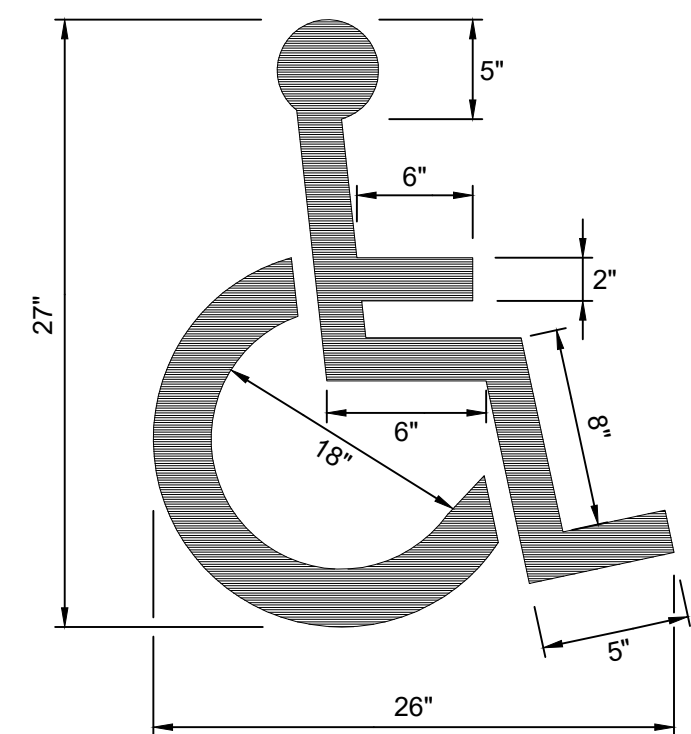


#### NOTES:

1. CONTRACTOR SHALL PROVIDE NUMBER OF BARS REQUIRED TO CONSTRUCT RACK. NUMBER OF BARS WILL VARY WITH PIPE SIZE.

### HEADWALL PROTECTION RACK DETAIL

NOT TO SCALE

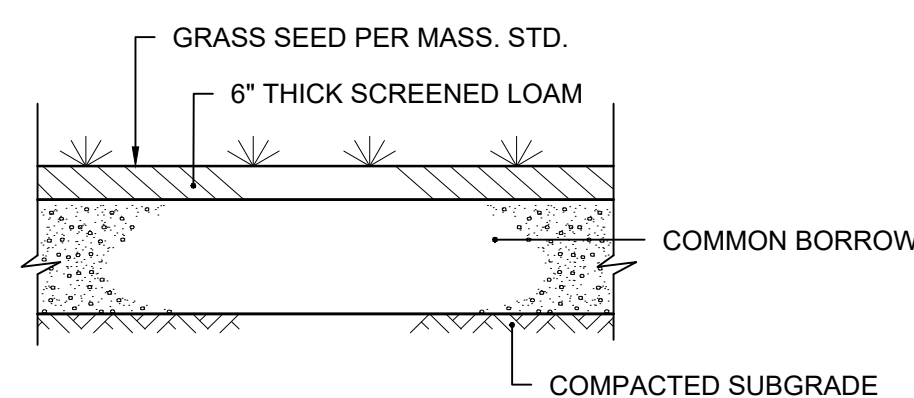


#### NOTE:

ACCESSIBLE PARKING AND SIGNAGE SHALL BE IN CONFORMANCE WITH THE RULES & REGULATIONS OF THE AMERICANS WITH DISABILITIES ACT.

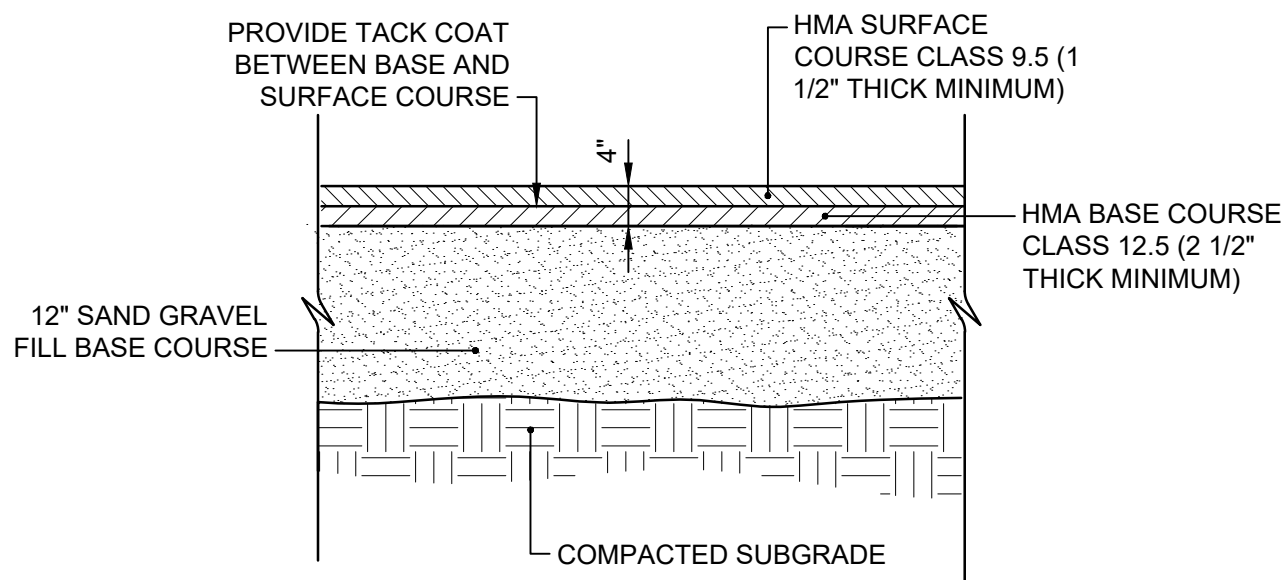
### ACCESSIBLE PAVEMENT MARKING

NOT TO SCALE



### LOAM & SEED DETAIL

NOT TO SCALE

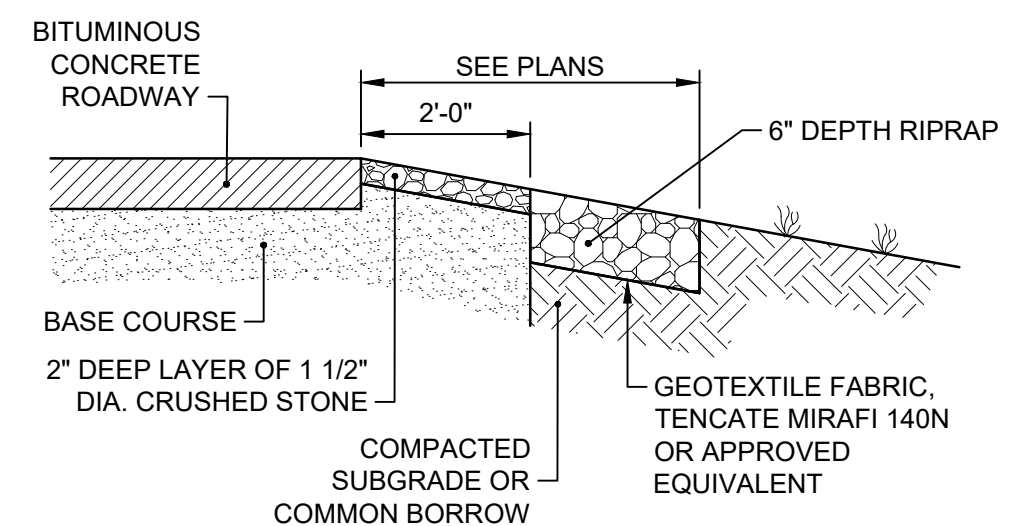


#### NOTE:

1. SUBMIT JOB MIX FORMULAS TO ENGINEER FOR APPROVAL PRIOR TO PLACEMENT.

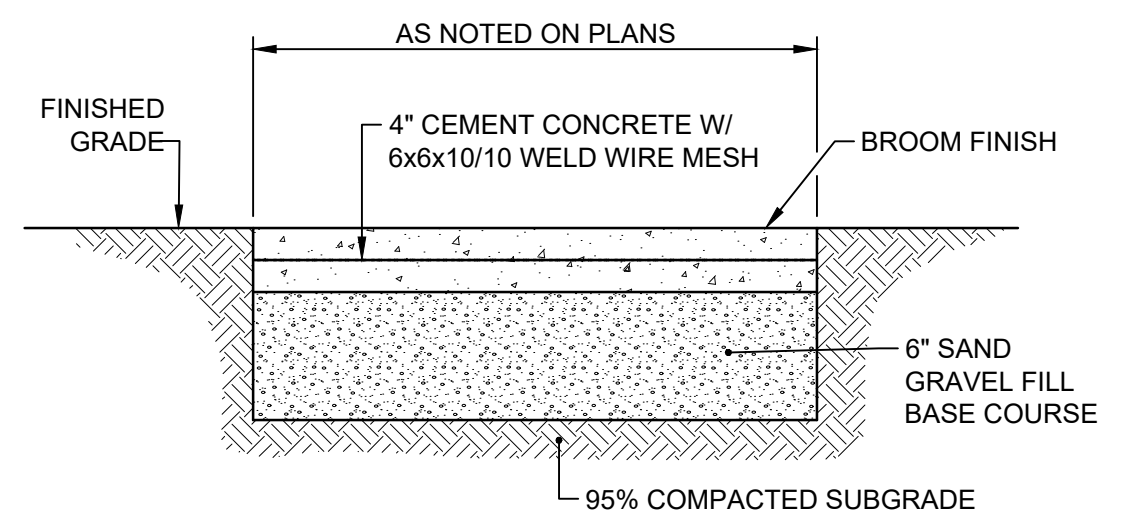
### HOT MIX ASPHALT PAVEMENT

NOT TO SCALE



### RIPRAP EDGE

NOT TO SCALE



#### NOTES:

1. CONCRETE SIDEWALK SHALL BE CONSTRUCTED IN ACCORDANCE WITH WITH MASSDOT STANDARD SPECIFICATIONS.
2. WIRE MESH SHALL BE IN ACCORDANCE WITH MASSDOT STANDARD SPECIFICATIONS.

### TYPICAL CEMENT CONCRETE SIDEWALK

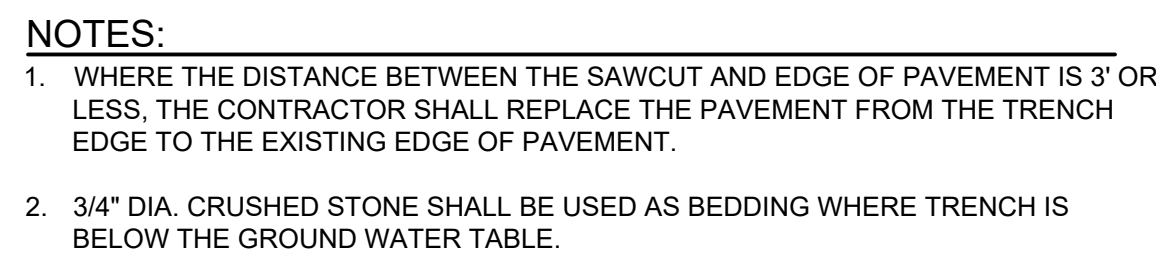
NOT TO SCALE

#### REVISIONS:


PROJECT NO.:	20212.00
DATE:	OCTOBER 2022
SCALE:	
DESIGNED BY:	GLH
CHECKED BY:	SL
DRAWN BY:	AWB
APPROVED BY:	JAJ
DRAWING TITLE:	

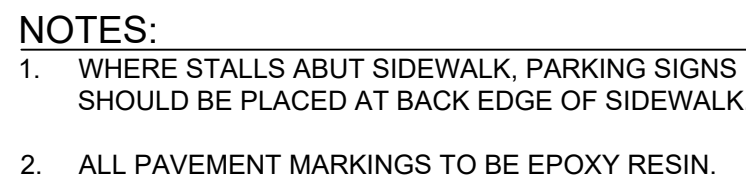
DETAILS 1



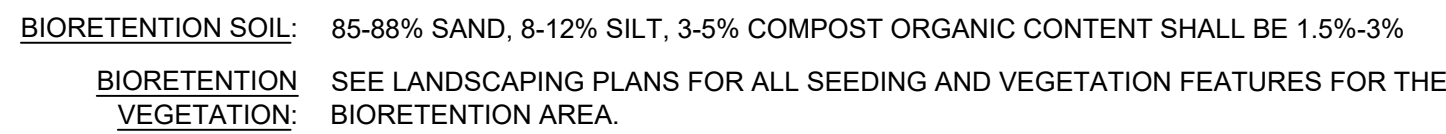


### DRAIN/SEWER TRENCH DETAIL

NOT TO SCALE



ACCESSIBLE PARKING STALLS @ 90°  
NOT TO SCALE



NOTES:

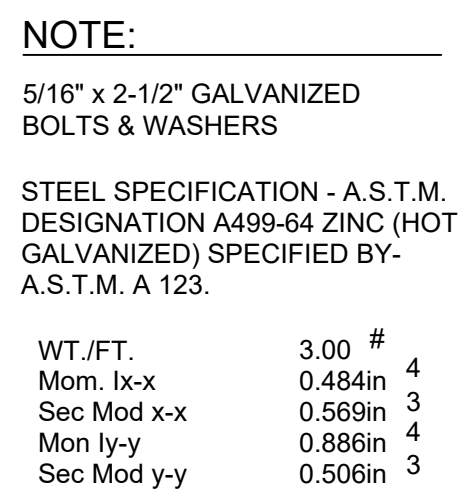
1. DRAIN BASINS SHALL BE CUSTOM MANUFACTURED FOR THE PROJECT WITH THE INLETS & OUTLETS REQUIRED.
2. DRAIN BASINS SHALL BE CONSTRUCTED OF HIGH DENSITY POLYETHYLENE.
3. ESHQWT WAS DETERMINED BY OBSERVED REDOX AND WEEPING IN SOIL FROM TEST PIT DATA PERFORMED ON DECEMBER 29, 2011.
4. HARDWOOD MULCH LAYER OMITTED TO ACCOMMODATE VEGETATIVE SEED APPLICATION.



SCALE ADJUSTMENT GUIDE

0" 1"

BAR IS ONE INCH ON ORIGINAL DRAWING

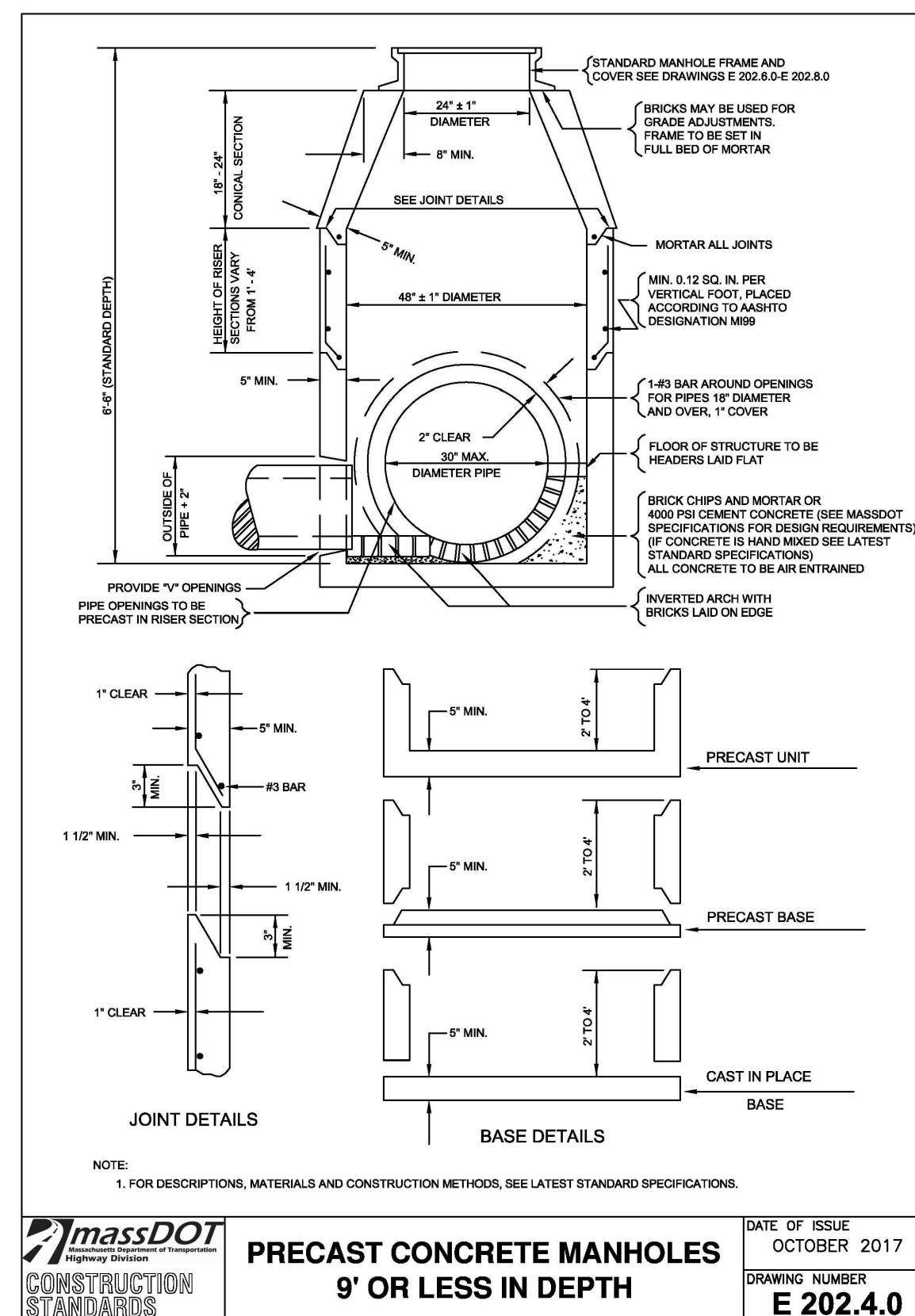
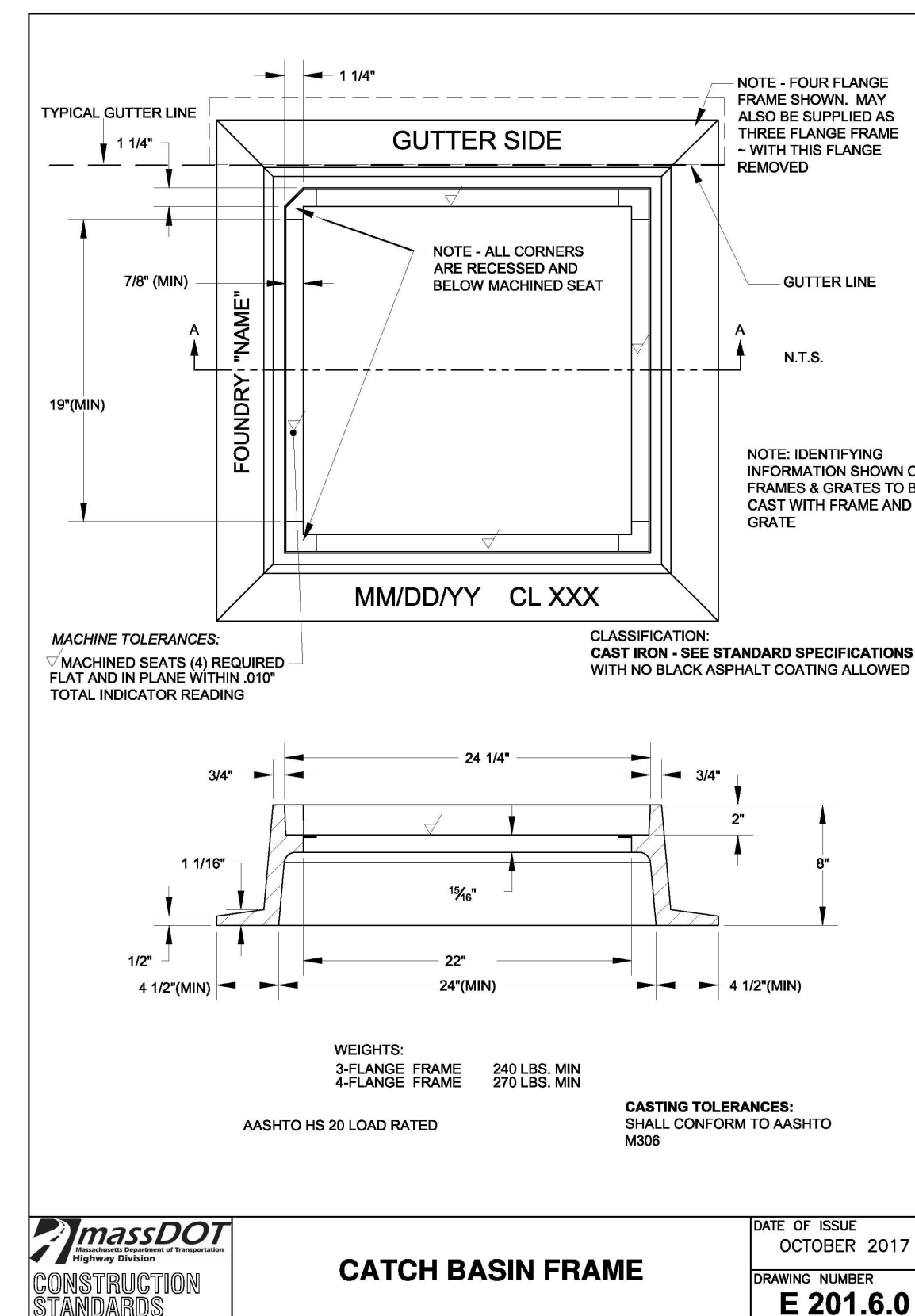
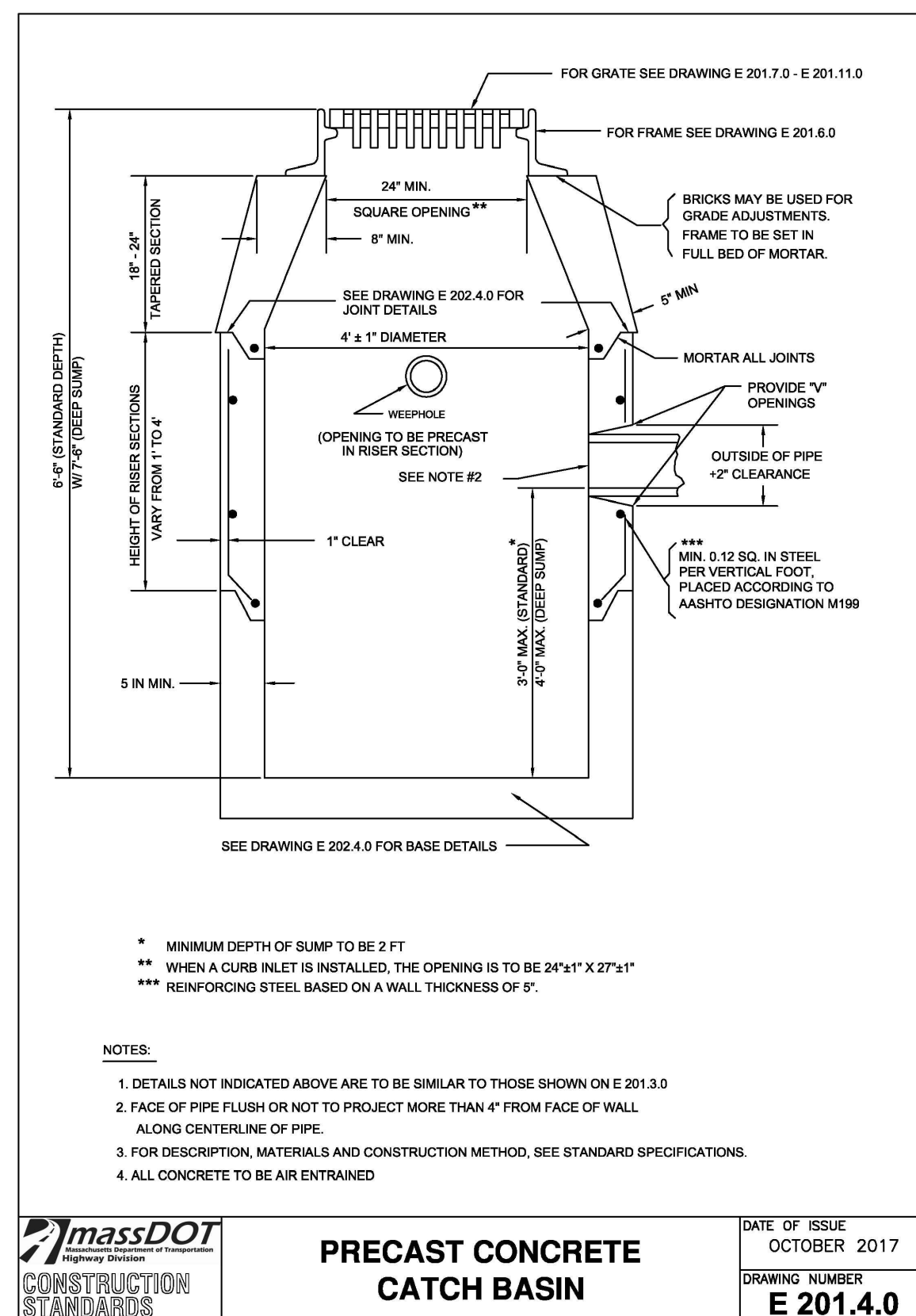


Technical drawing of a trapezoidal cross-section. The top width is labeled  $1 \frac{5}{16}"$ , the bottom width is labeled  $3 \frac{1}{2}"$ , and the height is labeled  $1 \frac{7}{8}"$ .

PARKING SIGNS SHALL BE SET AT AN ANGLE OF NOT LESS THAN 30° NOR MORE THAN 45° IN A LINE PARALLEL TO THE FLOW OF TRAFFIC.

- NOTES:**
1. ALL LAG SCREWS, BOLTS AND WASHERS SHALL BE GALVANIZED 5/16"x2 1/2" LONG UNLESS OTHERWISE NOTED.
  2. WASHERS SHALL BE 0.07" THICK.
  3. ALL SIGN COLORS, RADII AND BORDERS AS SPECIFIED IN "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES."
  4. SHALL BE IN ACCORDANCE WITH SECTION T.15 OF THE STANDARD SPECIFICATIONS.
  5. PARKING SIGNS SHALL BE SET AT AN ANGLE OF NOT LESS THAN 30° NOT MORE THAN 45° WITH A LINE PARALLEL TO FLOW OF TRAFFIC, 1-6" (1'-0" MIN.) FROM THE EDGE OF CURB FACE.
  6. ALL ACCESSIBLE PARKING AND SIGNAGE SHALL BE IN CONFORMANCE WITH THE RULES & REGULATIONS AS SPECIFIED BY THE AMERICAN DISABILITIES ACT (ADA).
  7. SIGN(S) SHALL BE LOCATED SO THEY CANNOT BE OBSCURED BY A VEHICLE PARKED IN THE SPACE.
  8. FOR ACCESSIBLE VAN SPACE USE SIGN AS DETAILED.
  9. FOR ACCESSIBLE SPACE FOR AUTOMOBILES USE ONLY HANDICAPPED PARKING SIGN.

## ACCESSIBLE SIGN MOUNTING



**Town of Holliston**  
**9 Green Street**  
**Holliston, Massachusetts**



REVISIONS:

[illegible]

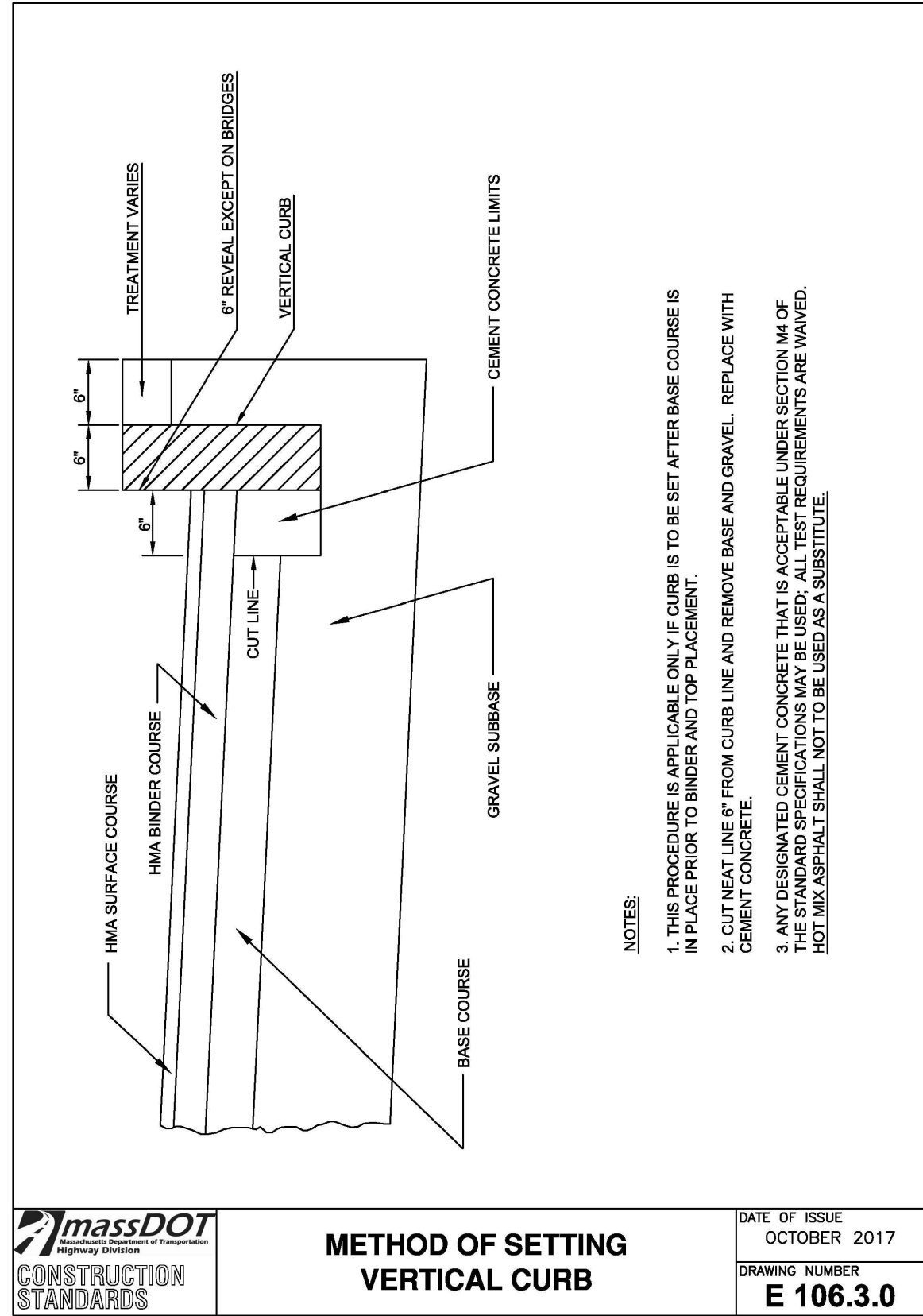
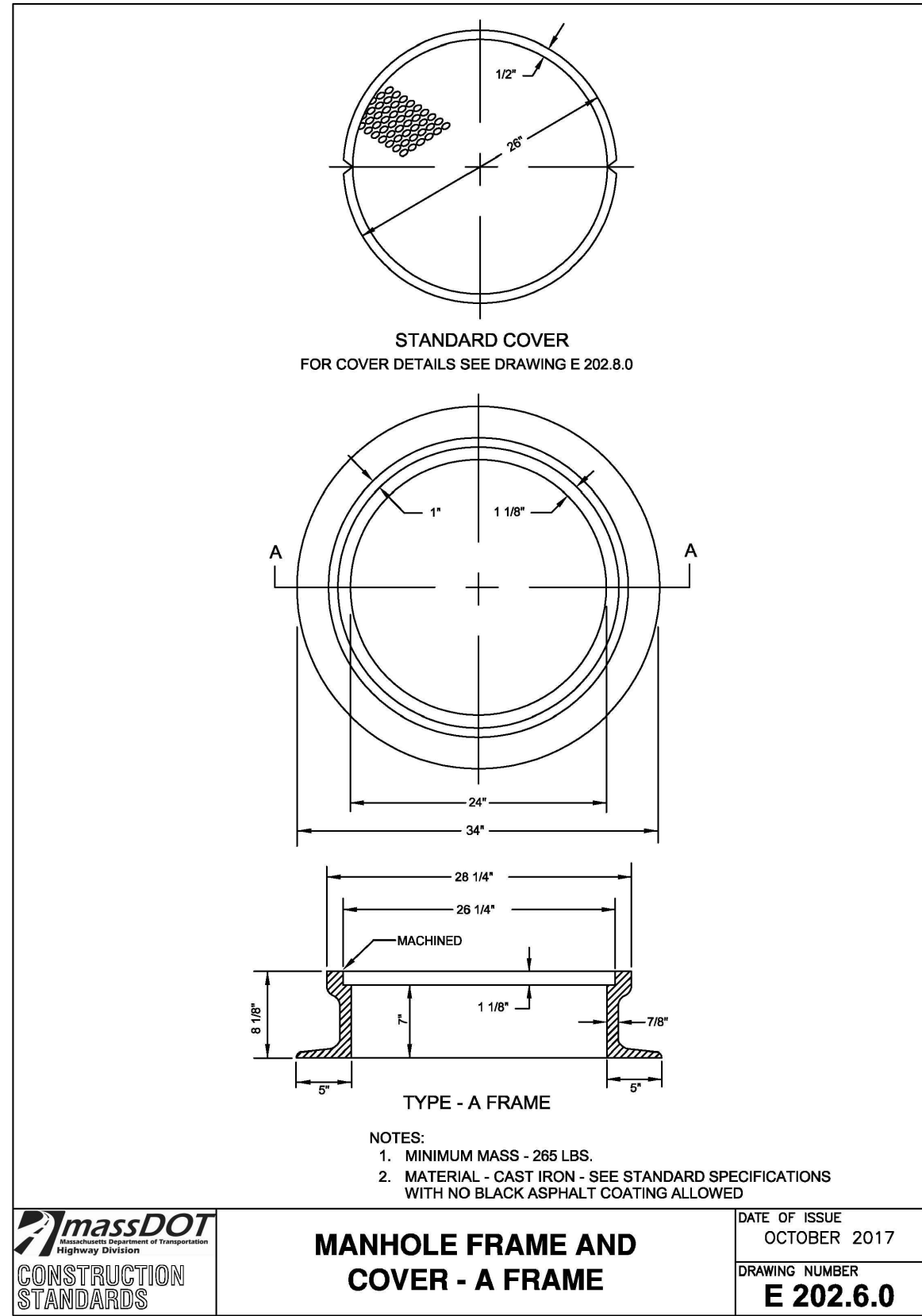
PROJECT NO.:	20212.00
DATE:	OCTOBER 2021
SCALE:	
DESIGNED BY:	GLH
CHECKED BY:	SI
DRAWN BY:	AWB
APPROVED BY:	JA
DRAWING TITLE:	

## DETAILS 2

DRAWING NO.:  
**C7.2**

SHEET NO. 9 OF 10





ENGLISH UNITS		2 : 1 SLOPE		1 1/2 : 1 SLOPE		4" FOR 1 1/2 : 1 SLOPE		6" FOR 2 : 1 SLOPE	
PIPE DIAM. D	L	CONC. OR F.S.M. CU. YDS.	STEEL LBS.	FRESH EXCAV. 1'-0" CU. FT.	CONC. OR F.S.M. CU. YDS.	STEEL LBS.	FRESH EXCAV. 1'-0" CU. FT.	CONC. OR F.S.M. CU. YDS.	STEEL LBS.
8"	4'-2"	0.77	15	21.60	5'-10"	1.08	21	27.40	21
10"	4'-10"	0.92	20	23.91	6'-8"	1.28	23	30.35	23
12"	5'-6"	1.08	21	26.25	7'-6"	1.49	29	33.25	29
15"	6'-6"	1.34	24	29.75	8'-9"	1.82	32	37.63	32
18"	7'-6"	1.61	30	33.25	10'-0"	2.18	39	42.00	39
21"	8'-6"	1.95	34	37.35	11'-6"	2.62	43	47.25	43
24"	9'-3"	2.16	35	39.38	12'-6"	2.97	50	50.75	50
30"	10'-6"	2.63	44	43.75	15'-0"	3.86	62	59.50	62
Y									

DATE OF ISSUE  
OCTOBER 2017  
DRAWING NUMBER  
E 206.4.1

