

VICINITY MAP
APPROX. 1" = 500'

ABBREVIATIONS

APPROX	APPROXIMATE
A.C.	ASBESTOS CEMENT
CB/DH	CONC. BOUND/DRILL HOLE
CB/LP	CONC. BOUND/LEAD PLUG
CCB	CAPE COD BERM
CIP	CAST IN PLACE CONCRETE CURB
CONC	CONCRETE
D	DRAIN
E	ELECTRIC
EM	ELECTRIC METER
FND	FOUNDATION
ELEV	ELEVATION
EXIST	EXISTING
FES	FLARED END SECTION
G	GAS
GM	GAS METER
I	INVERT
IP	IRON PIPE
LS	LANDSCAPING
MAX	MAXIMUM
MIN	MINIMUM
NTS	NOT TO SCALE
OHW	OVERHEAD WIRE
PROP	PROPOSED
PVC	POLYVINYLCHLORIDE PIPE
R	RIM
RCP	REINFORCED CONCRETE PIPE
RD	RADIUS
S	SEWER
SB/DH	STONE BOUND/DRILL HOLE
SCH	SCHEDULE
TP	TESTPIT
TYP	TYPICAL
UP	UTILITY POLE
W	WATER
WG	WATER GATE
EP	EDGE OF PAVEMENT
LS	LANDSCAPE
VG	VERTICAL GRANITE CURB

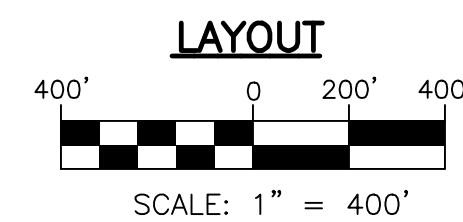
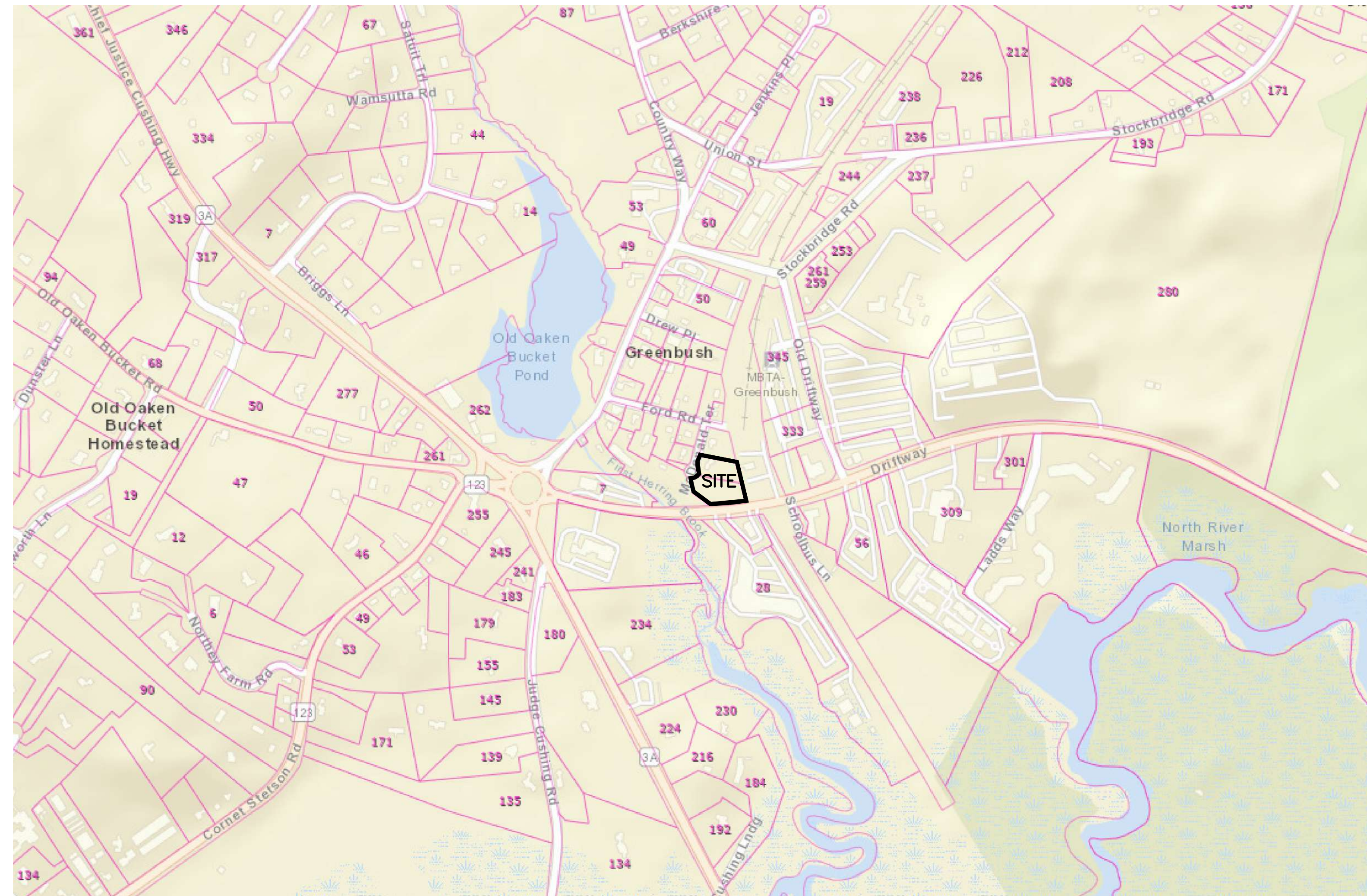
LEGEND

EXISTING	PROPOSED	CONTOUR ELEVATION
---55---	---100---	EROSION CONTROL / LIMIT OF WORK
x100.0	+100.0	SPOT GRADE
(D)	(D)	DRAIN MANHOLE (DMH)
(S)	(S)	CATCH BASIN (CBN)
(O)	(O)	SEWER MANHOLE (SMH)
(SS)	(SS)	STORMWATER SEPARATOR (SS)
(UP)	(UP)	UTILITY POLE (UP)
(LP)	(LP)	LIGHT POLE
(L)	(L)	LIGHT
(S)	(S)	SIGN
(H)	(H)	VAN-ACCESSIBLE HANDICAP PARKING
(F)	(F)	FENCE
(HR)	(HR)	HANDICAP RAMP
(DT)	(DT)	DECIDUOUS TREE
(CT)	(CT)	CONIFEROUS TREE
(D)	(D)	PROPOSED DOOR

GENERAL NOTES:

- RECORD OWNER: SAOIRSE, LLC (PARCELS 53-5-19 & 53-5-20A)
- DEED REFERENCES: PLYMOUTH COUNTY REGISTRY OF DEEDS BK. 50911 PG. 246 (PARCEL 53-5-19) BK. 47595 PG. 349 (PARCEL 53-5-20A)
- PLAN REFERENCES: PLYMOUTH COUNTY REGISTRY OF DEEDS BK. 9 PG. 593 (PARCEL 53-5-19) BK. 60 PG. 988 (PARCEL 53-5-20A)
- THE SUBJECT PROPERTY IS LOCATED WITHIN THE TOWN OF SCITUATE "VILLAGE CENTER & NEIGHBORHOOD" ZONING DISTRICT, SUBDISTRICTS (GVC & GMB).
- THE SUBJECT PROPERTY IS NOT LOCATED WITHIN THE TOWN OF SCITUATE WATER RESOURCE PROTECTION OVERLAY DISTRICT.
- THE SUBJECT PROPERTY IS PARTIALLY LOCATED WITHIN THE TOWN OF SCITUATE FLOOD PLAN AND WATERSHED PROTECTION DISTRICT.
- THIS PLAN IS BASED ON A GROUND SURVEY PERFORMED BY MORSE ENGINEERING COMPANY, INC., IN 2015, 2018, & 2021.
- ALL KNOWN WETLAND RESOURCE AREAS ON THE SUBJECT PROPERTY OR WITHIN 100' OF THE PROPOSED PROJECT ARE SHOWN.
- THE SUBJECT PROPERTY LIES IN ZONES "X" AND "AE" (EL. 16) AS SHOWN ON FEMA COMMUNITY MAP PANEL 25023C 0136L DATED 07/08/2021. ZONE "AE" IS A SPECIAL HAZARD FLOOD ZONE. ZONE "X" IS NOT.
- THE SUBJECT PROPERTY IS NOT LOCATED WITHIN A DEP DESIGNATED ZONE II RESOURCE AREA.
- THE SUBJECT PROPERTY IS NOT LOCATED WITHIN A DEP ZONE A SURFACE WATER SUPPLY AREA.
- UTILITIES SHOWN ON THIS PLAN ARE BASED ON OBSERVATION OF ABOVE GROUND UTILITIES AND RECORD LOCATION OF BELOW GROUND UTILITIES. NO WARRANTY IS EXPRESSED OR IMPLIED AS TO THE ACCURACY OF THE LOCATIONS OF SAID UTILITIES, OR THE EXISTENCE OR NON-EXISTENCE OF ANY OTHER SUCH UTILITIES.
- THE CONTRACTOR SHALL CONTACT DIG SAFE (888-344-7233) AND VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
- ALL KNOWN EASEMENTS ON THE PROPERTY ARE SHOWN.
- ALL ELEVATIONS ARE ON THE NAVD88 DATUM.

SITE PLAN PROPOSED MIXED-USE DEVELOPMENT & MULTI-FAMILY DWELLING 33 NEW DRIFTWAY (ASSESSOR'S PARCELS: 53-5-19 & 53-5-20A) SCITUATE, MASSACHUSETTS



SITE PLAN APPROVAL

DATE OF APPLICATION: _____

DATE OF HEARING: _____

DATE OF APPROVAL: _____

DATE OF ENDORSEMENT: _____

SCITUATE PLANNING BOARD

APPLICANT/OWNER

SAOIRSE, LLC
7 MACDONALD TERRACE
SCITUATE, MA 02066
(781) 545-1144

ARCHITECT

AXIOM ARCHITECTS
2048 WASHINGTON STREET
HANOVER, MA 02339
(781) 871-2101

CIVIL ENGINEER / LAND SURVEYOR

MORSE ENGINEERING CO., INC.
10 NEW DRIFTWAY, SUITE 303
SCITUATE, MA 02066
(781) 545-0895

LANDSCAPE ARCHITECT

A.J. TOMASI NURSERIES, INC.
299 OAK STREET
PEMBROKE, MA 02359
(781) 826-7200

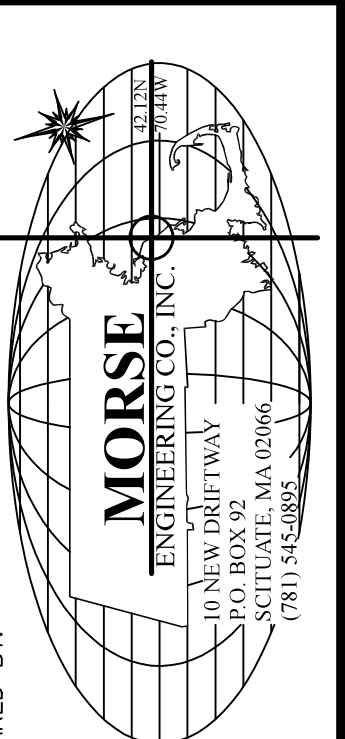
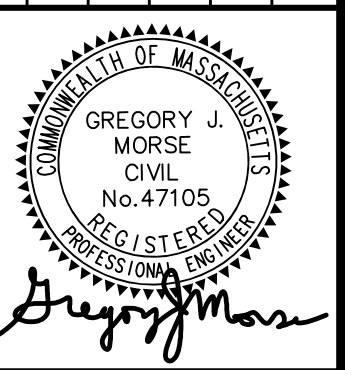
LIST OF WAIVERS REQUESTED

SECTION 753.3.J - TO ALLOW A CROSSWALK OF 8-FT IN WIDTH.

LIST OF SPECIAL PERMITS

SECTION 580.4C - TO ALLOW A HIGHER DENSITY OF UNITS PER ACRE THAN PERMITTED BY RIGHT.
SECTION 760.8.B.2 - TO ALLOW THE USE OF TANDEM PARKING SPACES.

BY:	PGG
DESCRIPTION	REVISED PER PEER REVIEW AND TOWN COMMENTS
REV. DATE	2/8/2023



PROJECT:	33 NEW DRIFTWAY (PARCELS: 53-5-19 & 53-5-20-A) SCITUATE, MASSACHUSETTS
PREPARED FOR:	SAOIRSE, LLC
JOB NO:	15-436
SCALE:	1" = 20'
DESIGN:	PGG
CHK:	GJM
DATE:	7/5/2022
PLAN TITLE:	COVER
SHEET:	1 OF 12

SHEET INDEX

- SHEET 1 — COVER PAGE
- SHEET 2 — EXISTING CONDITIONS
- SHEET 3 — EROSION & SEDIMENTATION CONTROL
- SHEET 4 — SITE LAYOUT
- SHEET 5 — LANDSCAPING & AMENITY SPACE
- SHEET 6 — GRADING & UTILITIES
- SHEET 7 — TURNING ANALYSIS
- SHEET 8 — SIGHT DISTANCE
- SHEET 9 — CONSTRUCTION DETAILS I
- SHEET 10 — CONSTRUCTION DETAILS II
- SHEET 11 — CONSTRUCTION DETAILS III
- SHEET 12 — CONSTRUCTION DETAILS IV

SOIL TEST DATA

SOIL TESTING AND EVALUATION BY: GREGORY J. MORSE, SE#2906
DATE: SEPTEMBER 16, 2021

TP-1	APPROX. GRADE EL.	TP-2	APPROX. GRADE EL.
EL. 18.8	A HORIZON LOAMY SAND TOYR 5/6 8"	EL. 19.4	A HORIZON LOAMY SAND TOYR 5/6 10"
EL. 17.8	B HORIZON LOAMY SAND TOYR 5/6 20"	EL. 18.4	B HORIZON LOAMY SAND TOYR 5/6 22"
EL. 11.5	C HORIZON MED./COARSE SAND 2.5Y 5/6 108"	EL. 14.0	C1 HORIZON MED./COARSE SAND 2.5Y 5/6 74"
WEEPING OBSERVED: NONE MOTTLING OBSERVED: NONE PERC. RATE: NONE ESHGW: >108" (EL. 10.5)		EL. 10.2	
C2 HORIZON MEDIUM SAND 2.5Y 5/6 120"		WEEPING OBSERVED: NONE MOTTLING OBSERVED: 112" PERC. RATE: NONE ESHGW: 112" (EL. 10.9)	
TP-3	APPROX. GRADE EL.	TP-4	APPROX. GRADE EL.
EL. 18.2	A HORIZON LOAMY SAND TOYR 5/6 10"	EL. 18.3	A HORIZON LOAMY SAND TOYR 5/6 14"
EL. 16.7	B HORIZON LOAMY SAND TOYR 5/6 28"	EL. 17.3	B HORIZON LOAMY SAND TOYR 5/6 26"
EL. 12.3	C1 HORIZON MED./COARSE SAND 2.5Y 5/6 80"	EL. 9.7	C HORIZON MED./COARSE SAND 2.5Y 5/6 118"
EL. 9.0	C2 HORIZON MEDIUM SAND 2.5Y 5/6 120"	WEEPING OBSERVED: NONE MOTTLING OBSERVED: NONE PERC. RATE: NONE ESHGW: >118" (EL. 9.7)	
WEEPING OBSERVED: NONE MOTTLING OBSERVED: 112" PERC. RATE: NONE ESHGW: 112" (EL. 9.7)		WEEPING OBSERVED: NONE MOTTLING OBSERVED: 100" PERC. RATE: NONE ESHGW: 100" (EL. 9.5)	
TP-5	APPROX. GRADE EL.	TP-6	APPROX. GRADE EL.
EL. 14.8	FILL/ORGANICS 36"	EL. 17.6	FILL 10"
EL. 8.8	C HORIZON COARSE SAND 2.5Y 5/6 108"	EL. 12.1	C1 HORIZON MED./COARSE SAND 2.5Y 5/6 76"
WEEPING OBSERVED: NONE MOTTLING OBSERVED: 100" PERC. RATE: NONE ESHGW: 100" (EL. 9.5)		EL. 9.9	C2 HORIZON MEDIUM SAND 2.5Y 5/6 102"
WEEPING OBSERVED: NONE MOTTLING OBSERVED: 160" PERC. RATE: NONE ESHGW: 154" (EL. 6.5)		WEEPING OBSERVED: NONE MOTTLING OBSERVED: 160" (FAINT) PERC. RATE: NONE ESHGW: 160" (EL. 5.7)	

SOIL TEST DATA

SOIL TESTING AND EVALUATION BY: GREGORY J. MORSE, SE#2906
DATE: JANUARY 27, 2023

TP-7	APPROX. GRADE EL.	TP-8	APPROX. GRADE EL.
EL. 18.3	A HORIZON LOAMY SAND TOYR 3/2 12"	EL. 18.3	A HORIZON LOAMY SAND TOYR 3/2 8"
EL. 16.3	B HORIZON LOAMY SAND TOYR 5/6 36"	EL. 16.7	B HORIZON LOAMY SAND TOYR 5/6 28"
EL. 10.0	C1 HORIZON COARSE SAND 2.5Y 5/6 112"	EL. 11.3	C1 HORIZON COARSE SAND 2.5Y 5/6 92"
EL. 3.8	C2 HORIZON MEDIUM SAND 2.5Y 5/6 186"	EL. 3.8	C2 HORIZON MEDIUM SAND 2.5Y 5/6 182"
WEEPING OBSERVED: 160" MOTTLING OBSERVED: 154" (FAINT) PERC. RATE: NONE ESHGW: 154" (EL. 6.5)		WEEPING OBSERVED: 168" MOTTLING OBSERVED: 160" (FAINT) PERC. RATE: NONE ESHGW: 160" (EL. 5.7)	

ZONING REQUIREMENTS

TOWN OF SCITUATE "VILLAGE CENTER & NEIGHBORHOODS" ZONING DISTRICT

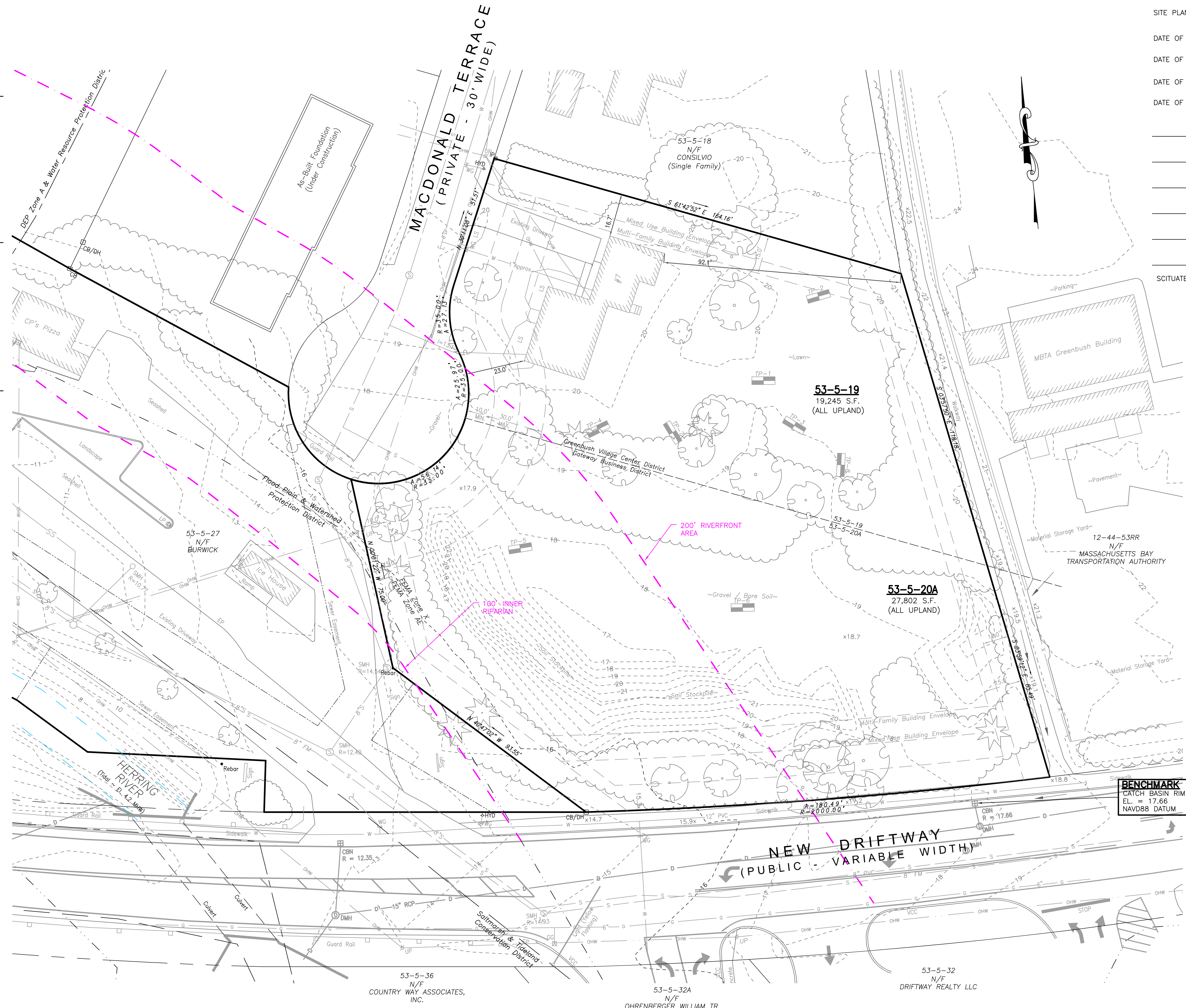
MULTI-FAMILY BUILDING (MFB) ZONING REQUIREMENTS

CRITERIA	REQUIRED	EXISTING
LOT AREA	N/A	19,245 S.F.
FRONTAGE	80'	104.62'
LOT DEPTH	N/A	164.1'
FRONT YARD	10'-30'	23.0'
SIDE YARD	15'	16.7'
REAR YARD	20'	92.1'
AMENITY SPACE COVERAGE	20%	---
MAX. HEIGHT	4 STORIES/40'	<40'
STREET FACING WIDTH	60'-100'	56.3'
STREET FACING ENTRANCE	REQUIRED	YES
MAXIMUM FOOTPRINT	N/A	N/A
FRONT YARD IMPERVIOUS	25% MAX.	0%

MIXED-USE BUILDING (MUB) ZONING REQUIREMENTS

CRITERIA	REQUIRED	EXISTING
LOT AREA	N/A	27,802 S.F.
FRONTAGE	50'	180.49'
LOT DEPTH	N/A	85.5'
FRONT YARD	0'-20'	---
SIDE YARD	10'	---
REAR YARD	20'	---
AMENITY SPACE COVERAGE	20%	---
MAX. HEIGHT	4 STORIES/40'	---
STREET FACING WIDTH	60'-150'	---
STREET FACING ENTRANCE	REQUIRED	---
MAXIMUM FOOTPRINT	20,000 S.F.	---
FRONT YARD IMPERVIOUS	25% MAX.	14.9%

NOTE: ALL STRUCTURES AND SETBACKS TO BE STAKED OUT BY PROFESSIONAL LAND SURVEYOR.



SITE PLAN APPROVAL

DATE OF APPLICATION: _____

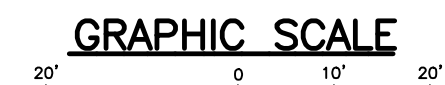
DATE OF HEARING: _____

DATE OF APPROVAL: _____

DATE OF ENDORSEMENT: _____

SCITUATE PLANNING BOARD

BY:	PGC
REVISIONS:	REVISED PER PEER REVIEW AND TOWN COMMENTS
REV. DATE:	2/8/2023
DESCRIPTION:	
PREPARED BY:	GREGORY J. MORSE CIVIL No. 47105 REGISTERED PROFESSIONAL ENGINEER SCITUATE, MASSACHUSETTS (781) 544-8895
PROJECT:	33 NEW DRIFTWAY (PARCELS: 53-5-19 & 53-5-20-A) SCITUATE, MASSACHUSETTS
PREPARED FOR:	SAORISE, LLC
JOB NO.:	15-436
SCALE:	1" = 20'
DESIGN:	PGC
CHK:	GJM
DATE:	7/5/2022
PLAN TITLE:	EXISTING CONDITIONS
SHEET:	2 OF 12



SCALE: 1" = 20'

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. STABILIZATION AND EROSION AND SEDIMENT CONTROL SHALL BE INSTALLED PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES. PLACE BARRIERS, FENCES, TRACKING PADS, AND SILT SACKS AT LOCATIONS INDICATED ON THE SITE PLANS.
2. DISCONNECT EXISTING UTILITIES FROM SITE. CONTACT UTILITY PURVEYORS FOR INDIVIDUAL REQUIREMENTS. DEMOLISH EXISTING BUILDING. REMOVE AND DISPOSE OF ALL DEBRIS IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS.
3. STRIP AND REMOVE FROM SITE ANY EXISTING CONCRETE, ASPHALT AND DEBRIS. CLEAR REQUIRED VEGETATION. THE ENTRANCE TO PARCEL 53-5-27 SHOULD BE LEFT IN PLACE AND MAINTAINED IN ITS EXISTING CONDITION UNTIL THE NEW ENTRANCE IS FULLY CONSTRUCTED AND PREPARED FOR VEHICULAR TRAFFIC.
4. CONSTRUCT CUT AND FILL AREAS. ALL FILL WILL BE INSTALLED USING 12" MAXIMUM COMPACTION LIFTS, AND MATERIAL SHALL BE STOCKPILED ACCORDING TO THE SITE PLAN.
5. EXCAVATE FOUNDATIONS, FORM AND POUR FOUNDATION WALLS. EXCAVATED MATERIAL SHALL BE KEPT IN PROPOSED SOIL STOCKPILE AREAS.
6. INSTALL ALL DRAINAGE SYSTEM COMPONENTS AND OTHER UTILITIES. ALL CATCH BASINS SHALL BE PROTECTED WITH EROSION CONTROLS AS SHOWN ON THE PLANS OR EQUIVALENT INLET PROTECTION UNTIL FINAL SITE STABILIZATION.
7. COMMENCE CONSTRUCTION OF BUILDING STRUCTURES WITH ASSOCIATED UTILITY CONNECTIONS.
8. GRADE SIDEWALKS AND PARKING AREAS TO SUBGRADE ELEVATION AND CONSTRUCT SIDE SLOPES. APPLY TEMPORARY STABILIZATION MEASURES WHERE WARRANTED (SEE CONSTRUCTION PHASE O&M).
9. PLACE GRAVEL SUBBASE AND PLACE THE BITUMINOUS CONCRETE BINDER COURSE ON PARKING SURFACES. SET CATCH BASIN GRATES FLUSH WITH THE BINDER COURSE. INSTALL SILT SACKS ON NEWLY INSTALLED CATCH BASINS.
10. GRADE SLOPES AND STABILIZE CUT AREAS AT TOE OF SLOPES. BLEND ALL SLOPES INTO EXISTING TOPOGRAPHY AND LOAM AND SEED ALL DISTURBED AREAS. USE TEMPORARY STABILIZATION MEASURES AS DIRECTED IN O&M PLAN.
11. COMPLETE FINE GRADING AND LANDSCAPING OF THE SITE, INCLUDING CURBING AND LANDSCAPING AS INDICATED.
12. PAVE PARKING LOT AND FINISH CONSTRUCTION OF BUILDING. COMPLETE ANY REMAINING PLANTING ON LANDSCAPING ISLANDS.
13. OPEN CONNECTION TO 17 NEW DRIFTWAY AND REMOVE EXISTING ENTRANCE. INSTALL EROSION CONTROL MEASURES AND PROPOSED SHELL PARKING AREAS AND LANDSCAPING ON PARCEL 53-5-27.
14. ACTIVATE DRAINAGE SYSTEMS WHEN ALL TRIBUTARY AREAS ARE STABILIZED. ALL CLOSED DRAINAGE PIPES MUST BE FLUSHED PRIOR TO ACTIVATION.
15. REMOVE TEMPORARY EROSION CONTROL DEVICES ONCE ADEQUATE GROWTH IS ESTABLISHED. ADEQUATE GROWTH IS DEFINED AS VEGETATION COVERING 75% OR MORE OF THE GROUND SURFACE.

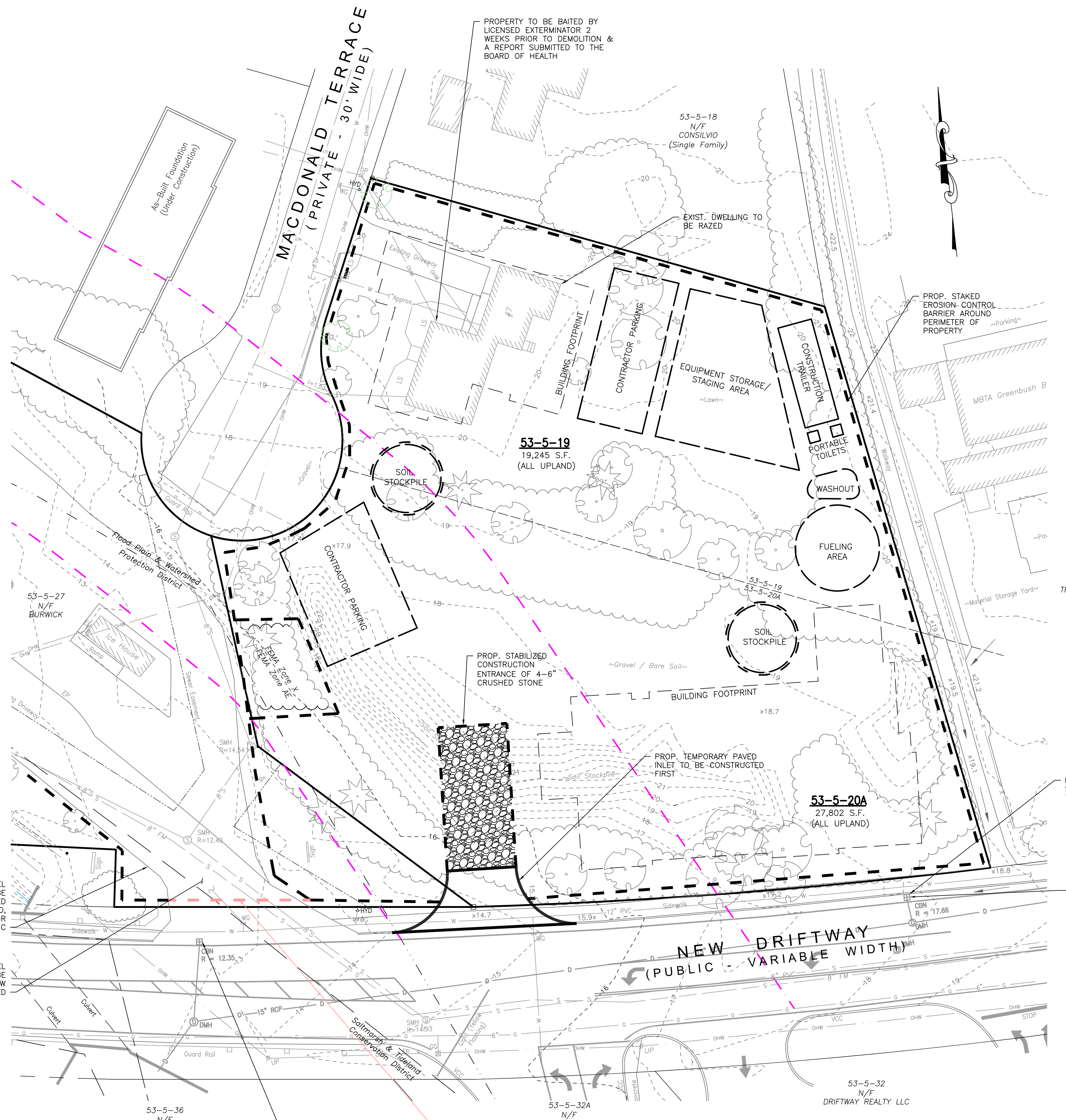
CONSTRUCTION NOTES

1. ALL DISTURBED AREAS OUTSIDE OF PARKING AND ACCESS AREAS ARE TO BE LOAMED AND SEEDED TO PREVENT EROSION.
2. THE CONTRACTOR MUST MAINTAIN A CLEAN JOBSITE AND PREVENT THE MIGRATION OF ANY SEDIMENT OR DEBRIS ONTO NEW DRIFTWAY, MACDONALD TERRACE, OR ADJUTING PROPERTIES.
3. THE CONTRACTOR SHALL PROTECT ALL PROPERTY AND SURVEY MARKERS AS ENCOUNTERED DURING CONSTRUCTION. IF DISTURBED, THE CONTRACTOR SHALL HAVE BOUNDS RESET BY A PROFESSIONAL LAND SURVEYOR.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL CONTROL POINTS AND BENCHMARKS NECESSARY FOR THE PROPOSED WORK.
5. THE CONTRACTOR SHALL BE MADE AWARE OF AND COMPLY WITH THE STORMWATER MANAGEMENT PERMIT AS ISSUED BY THE TOWN OF SCITUATE.
6. THE CONTRACTOR SHALL INSTALL ALL EROSION CONTROL COMPONENTS AT THE LOCATIONS SHOWN PRIOR TO ANY LAND DISTURBANCE OR CLEARING.
7. THE CONTRACTOR SHALL INSTALL A CRUSHED STONE STABILIZED CONSTRUCTION ENTRANCE PRIOR TO CONSTRUCTION.

EROSION CONTROL NOTES

1. DURING CONSTRUCTION, THE CONSTRUCTION PHASE OPERATION & MAINTENANCE REQUIREMENTS AS OUTLINED IN THE STORMWATER REPORT SHOULD BE KEPT READILY AVAILABLE AND ALL REQUIREMENTS, INCLUDING BUT NOT LIMITED TO STABILIZATION AND MAINTENANCE OF SILT SACKS AND EROSION CONTROL BARRIERS, FOLLOWED.
2. ALL NEWLY INSTALLED CATCH BASINS OVER THE COURSE OF CONSTRUCTION TO BE INSTALLED WITH SEDIMENT TRAPS AND FILTER SACKS TO PREVENT MATERIAL FROM ENTERING DRAINAGE SYSTEMS AND CLOGGING. THESE SHALL REMAIN UNTIL THE SITE IS FULLY STABILIZED, AND BE INSPECTED WITH OTHER EROSION CONTROL MEASURES.
3. ALL EROSION CONTROL MEASURES SHALL BE INSPECTED EVERY 14 CALENDAR DAYS AND WITHIN 24 HOURS OF A STORMEVENT OF 1/2 INCH OR GREATER. INSPECTIONS SHALL BE PERFORMED UNTIL THE SITE IS FULLY STABILIZED AND TEMPORARY SEDIMENTATION CONTROLS HAVE BEEN REMOVED.
4. DURING CONSTRUCTION, STABILIZATION PRACTICES SHOULD BE FOLLOWED. DISTURBED AREAS SHALL BE STABILIZED AND PROTECTED AS SOON AS PRACTICABLE. DISTURBED AREAS SHALL BE STABILIZED WHEN CONSTRUCTION ACTIVITY IN THE AREA HAS CEASED FOR MORE THAN 14 DAYS UNLESS NOT FEASIBLE DUE TO SNOW COVER OR IF CONSTRUCTION ACTIVITIES WILL RESUME WITHIN 21 DAYS AFTER CONSTRUCTION TEMPORARILY CEASED. STABILIZATION MEASURES INCLUDE THE FOLLOWING:
 - TEMPORARY SEEDING
 - GEOTEXTILES
 - MULCHING AND NETTING
 - PERMANENT SEEDING

IF SEEDING IS NOT USED TO STABILIZE DISTURBED AREAS 6 WEEKS BEFORE FIRST FROST, JUT MESH OR MULCHING AND NETTING SHOULD BE USED TO STABILIZE THE SITE UNTIL THE NEXT RECOMMENDED SEEDING PERIOD. SEEDING SHOULD TAKE PLACE IN LATE SPRING OR EARLY FALL. DURING THE RECOMMENDED SEEDING SEASON, SEED SHOULD RECEIVE WATERING TWICE A DAY. DURING THE RECOMMENDED SEEDING SEASON, SEED SHOULD RECEIVE WATERING TWICE A DAY, FOR A TOTAL OF 3-4 INCHES PER WEEK. IF MUNICIPAL WATER RESTRICTIONS ARE IN EFFECT THAT LIMIT THE AVAILABILITY OF WATER, JUTE MESH OR MULCHING AND NETTING SHOULD BE IMPLEMENTED UNTIL SUCH A TIME THAT SUFFICIENT WATER IS AVAILABLE TO MAINTAIN ANY SEEDING.



SITE PLAN APPROVAL

DATE OF APPLICATION: _____

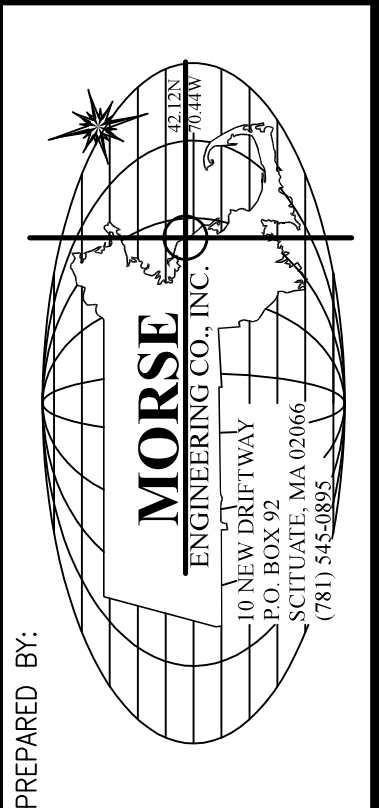
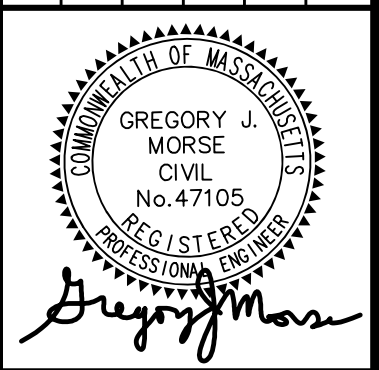
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DATE OF ENDORSEMENT: _____

SCITUATE PLANNING BOARD

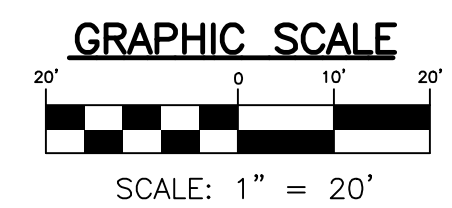
REV. DATE	DESCRIPTION
2/8/2023	REVISED PER PEER REVIEW AND TOWN COMMENTS



PROJECT: 33 NEW DRIFTWAY (PARCELS: 53-5-19 & 53-5-20-A) SCITUATE, MASSACHUSETTS

PREPARED FOR: SAORISE, LLC

JOB NO:	15-436
SCALE:	1" = 20'
DESIGN:	PGG
CHK:	GJM
DATE:	7/5/2022
PLAN TITLE:	EROSION & SEDIMENTATION CONTROL
SHEET:	3 OF 12



SECTION 580.2

- LOCUS LIES WITHIN THE VILLAGE CENTER & NEIGHBORHOOD DISTRICT. 53-5-19 LIES WITHIN THE GREENBUSH VILLAGE CENTER SUBDISTRICT (GDG-GVC). 53-5-20 LIES WITHIN THE GATEWAY BUSINESS SUBDISTRICT (GDG-GWB).
- THE LOCUS DOES NOT LIE WITHIN ANY OF THE CIVIC OVERLAY ZONES.
- THE LOCUS DOES NOT HAVE ANY FRONTAGE ON THE PEDESTRIAN FRONTAGE OVERLAY ZONES.
- THE LOCUS DOES NOT LIE WITHIN THE TRANSITIONAL BUFFER OVERLAY ZONE.

SECTION 580.3

- PROPOSED BUILDING TYPES:
BUILDING A = MIXED-USE (ALLOWED BY RIGHT WITHIN GDG-GVC SUBDISTRICT)
BUILDING B = MULTI-FAMILY (ALLOWED BY RIGHT WITHIN GDG-GWB SUBDISTRICT)
- BOTH BUILDINGS ARE SUBJECT TO DESIGN STANDARDS AS SET FORTH IN SECTION 750 OF THE SCITUATE ZONING BYLAWS.

SECTION 580.4

MAXIMUM UNITS IN MIXED-USE/MULTI-FAMILY BUILDINGS PER SECTION 580.4 TABLE 2 REQUIREMENTS
 24 UNITS PER 43,560 S.F. BY SPECIAL PERMIT IN GWB & GVG DISTRICTS
 $24 \text{ UNITS} : \frac{X \text{ UNITS}}{43,560 \text{ S.F.}} = \frac{X}{47,047 \text{ S.F.}}$ X = 25.9 UNITS
 PROPOSED: 20 UNITS TOTAL (14 BUILDING A & 6 BUILDING B)
 MINIMUM AMENITY SPACE: 20% OF LOT AREA
 REQUIRED: $20\% \times 47,047 \text{ S.F.} = 9,410 \text{ S.F.}$
 PROVIDED: 9,772 S.F.
 MINIMUM UNIT SPACE: 600 S.F. (1-BR) / 900 S.F. (2-BR)
 PROVIDED: SEE PLANS PREPARED BY AXIOM ARCHITECTS

SECTION 750.5

- MORE THAN ONE PRINCIPAL BUILDING IS ALLOWED ON A DEVELOPMENT SITE IF BUILDING LOT DIMENSIONAL STANDARDS ARE MET FOR EACH PRINCIPAL BUILDING.
- PRINCIPAL AND ACCESSORY STRUCTURES MUST BE LOCATED OUTSIDE OF REQUIRED SETBACKS EXCEPT IN REGARDS TO THE BUILD-TO-ZONE (BTZ).
- THE FACADE OF THE PRINCIPAL STRUCTURES MUST BE PLACED WITHIN THE BUILD-TO-ZONES.
 BUILD-TO-ZONES (BTZ)
 MIXED-USE: 0 - 20'
 MULTI-FAMILY: 10 - 30'
- BTZ OCCUPANCY IS EQUAL TO THE WIDTH OF THE FRONT FACADE OF PRINCIPAL STRUCTURE AS A PERCENTAGE OF THE LENGTH OF THE LOT FRONTAGE AND MUST EQUAL 50% MINIMUM.
 BUILD-TO-ZONE OCCUPANCY (BTZO)
 BUILDING A: 65.7%
 BUILDING B: 57.3%
- BUILDING HEIGHTS ARE DETERMINED VIA FIGURE 6 - BUILDING SETBACK, STEPBACK, AND STREET ENCLOSURE REGULATIONS.
 BUILDING STEPBACK TABLE FOR GREENBUSH-DRIFTWAY GATEWAY DISTRICT
 STEPBACK MAXIMUM BUILDING HEIGHT
 0-25' 25'
 26-50' 35'
 >50' 45'

SECTION 750.6

TOWN OF SCITUATE "VILLAGE CENTER & NEIGHBORHOODS" ZONING DISTRICT
 MIXED-USE BUILDING REQUIREMENTS (TABLE 1.A)

CRITERIA	REQUIRED	EXISTING	PROPOSED
LOT AREA	50'	27,802 S.F.	NO CHANGE
FRONTAGE	50'	180.49'	NO CHANGE
LOT DEPTH	---	85.5'	NO CHANGE
FRONT YARD	0'-20'	11.0'	10.6'
SIDE YARD	10'	---	11.0'
REAR YARD	20'	---	105.5'
AMENITY SPACE COVERAGE	20%	---	21.2%
MAX. HEIGHT	4 STORIES/40'	---	38.0' (RIDGE)
STREET FACING WIDTH	60'-150'	---	131.0'
STREET FACING ENTRANCE	REQUIRED	---	PROVIDED
MAXIMUM FOOTPRINT	20,000 S.F.	---	7,789 S.F.
FRONT YARD IMPERVIOUS	25% MAX.	0%	22.2%

MULTI-FAMILY DWELLING REQUIREMENTS (TABLE 1.B)

CRITERIA	REQUIRED	EXISTING	PROPOSED
LOT AREA	---	19,245 S.F.	NO CHANGE
FRONTAGE	80'	104.62'	NO CHANGE
LOT DEPTH	---	164.1'	NO CHANGE
FRONT YARD	10'-30'	23.0'	10.7'
SIDE YARD	15'	16.7'	15.8'
REAR YARD	20'	92.1'	80.3'
AMENITY SPACE COVERAGE	20%	---	20.0%
MAX. HEIGHT	4 STORIES/40'	<40'	34.0' (RIDGE)
STREET FACING WIDTH	60'-100'	56.3'	60.0'
STREET FACING ENTRANCE	REQUIRED	PROVIDED	PROVIDED
MAXIMUM FOOTPRINT	---	N/A	N/A
FRONT YARD IMPERVIOUS	25% MAX.	14.9%	6.9%

NOTE: ALL STRUCTURES AND SETBACKS TO BE STAKED OUT BY PROFESSIONAL LAND SURVEYOR.

SECTION 760

PROPOSED AREA:
 PROPOSED BEDROOMS: (5) 1-BR UNITS / (15) 2-BR UNITS (20 UNITS)
 PROPOSED RETAIL/OFFICE AREA: 3,620 S.F.
 REQUIRED PARKING SPACES PER SECTION 760.8 TABLE-2
 1-BEDROOM UNIT IN MULTI-FAMILY OR MIXED USE: 1 SPACE/BEDROOM
 2-BEDROOM UNIT IN MULTI-FAMILY OR MIXED USE: 1.5 SPACE/BEDROOM
 GENERAL OFFICE OR RETAIL IN MIXED-USE: 1 SPACE/500 S.F. GFA
 (5 1-BR UNITS)(1 SPACE/BEDROOM) = 5 SPACES
 (15 2-BR UNITS)(1.5 SPACE/BEDROOM) = 22.5 SPACES
 (3,620 S.F. OFFICE/RETAIL)(1 SPACE/500 S.F.) = 7.3 SPACES
 REQUIRED SPACES = 34.8 SPACES
 PROVIDED SPACES = 38 SPACES

PARKING LOT REQUIREMENTS:
 MINIMUM PARKING SPACE: 9' x 18' (162 S.F.)
 PARKING LOT ENTRANCES: 20' MINIMUM WIDTH
 24' PROVIDED
 BICYCLE RACKS: BICYCLE RACK MUST BE PROVIDED IN PARKING LOTS WITH 5 OR MORE SPACES & SHALL NOT PROVIDE LESS THAN 10% AVAILABLE PARKING SPACES
 38 SPACES x 0.10 = 3.8 SPOTS REQUIRED
 5 SPOTS PROVIDED

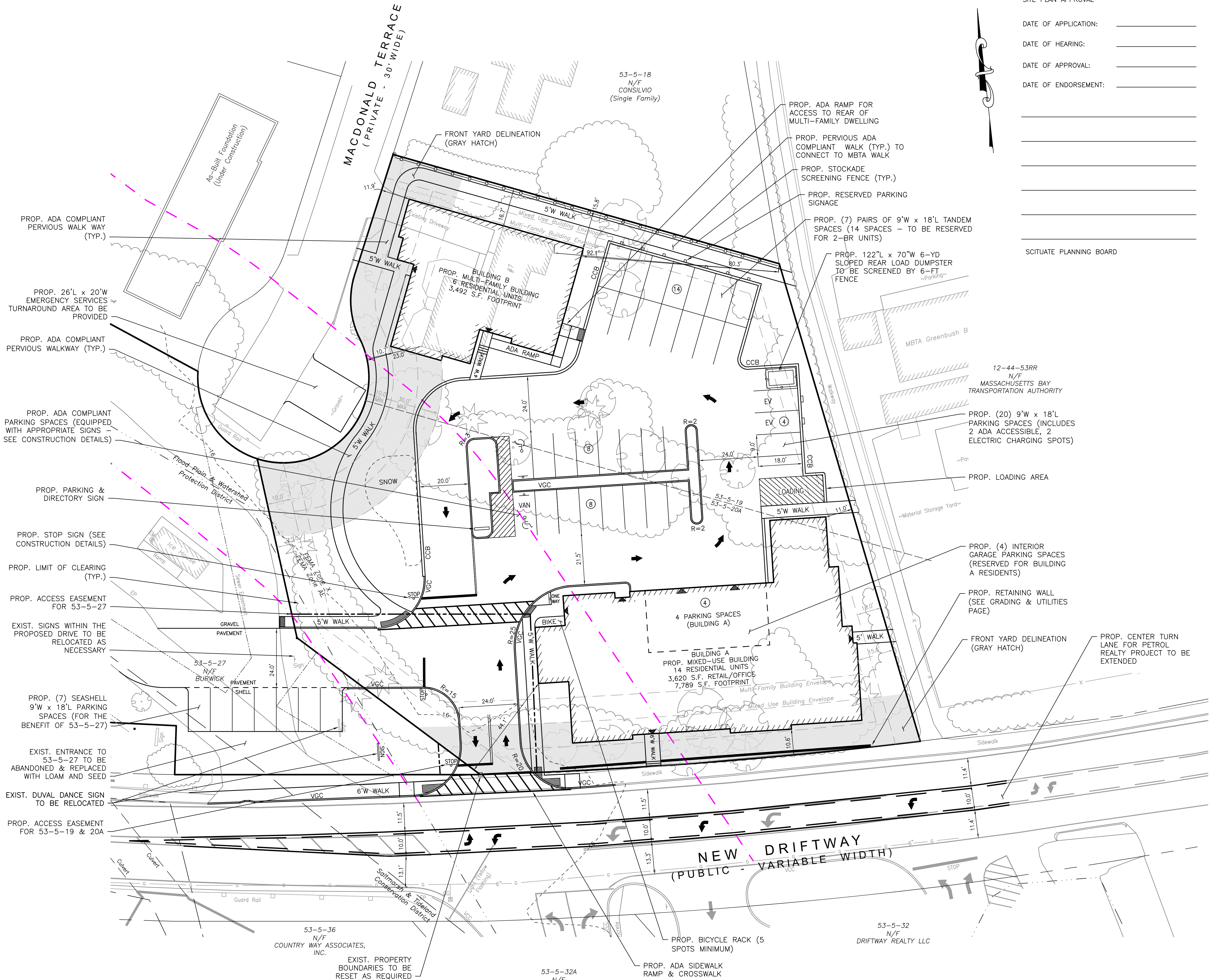
53-5-19 & 53-5-20A DEGRADED AREA CALCULATIONS

AREA	EXISTING	PROPOSED
INNER RIPARIAN	0 S.F.	38 S.F.
OUTER RIPARIAN	9,210 S.F.	8,972 S.F.

53-5-27 DEGRADED AREA CALCULATIONS

AREA	EXISTING	PROPOSED
INNER RIPARIAN	12,424 S.F.	12,369 S.F.
OUTER RIPARIAN	27,930 S.F.	27,930 S.F.

PARKING SPACES
 EXISTING 51 SPACES
 PROPOSED 55 SPACES



SITE PLAN APPROVAL
 DATE OF APPLICATION: _____
 DATE OF HEARING: _____
 DATE OF APPROVAL: _____
 DATE OF ENDORSEMENT: _____

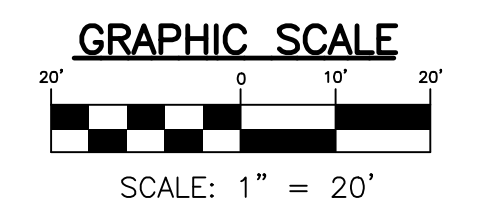
SCITUATE PLANNING BOARD

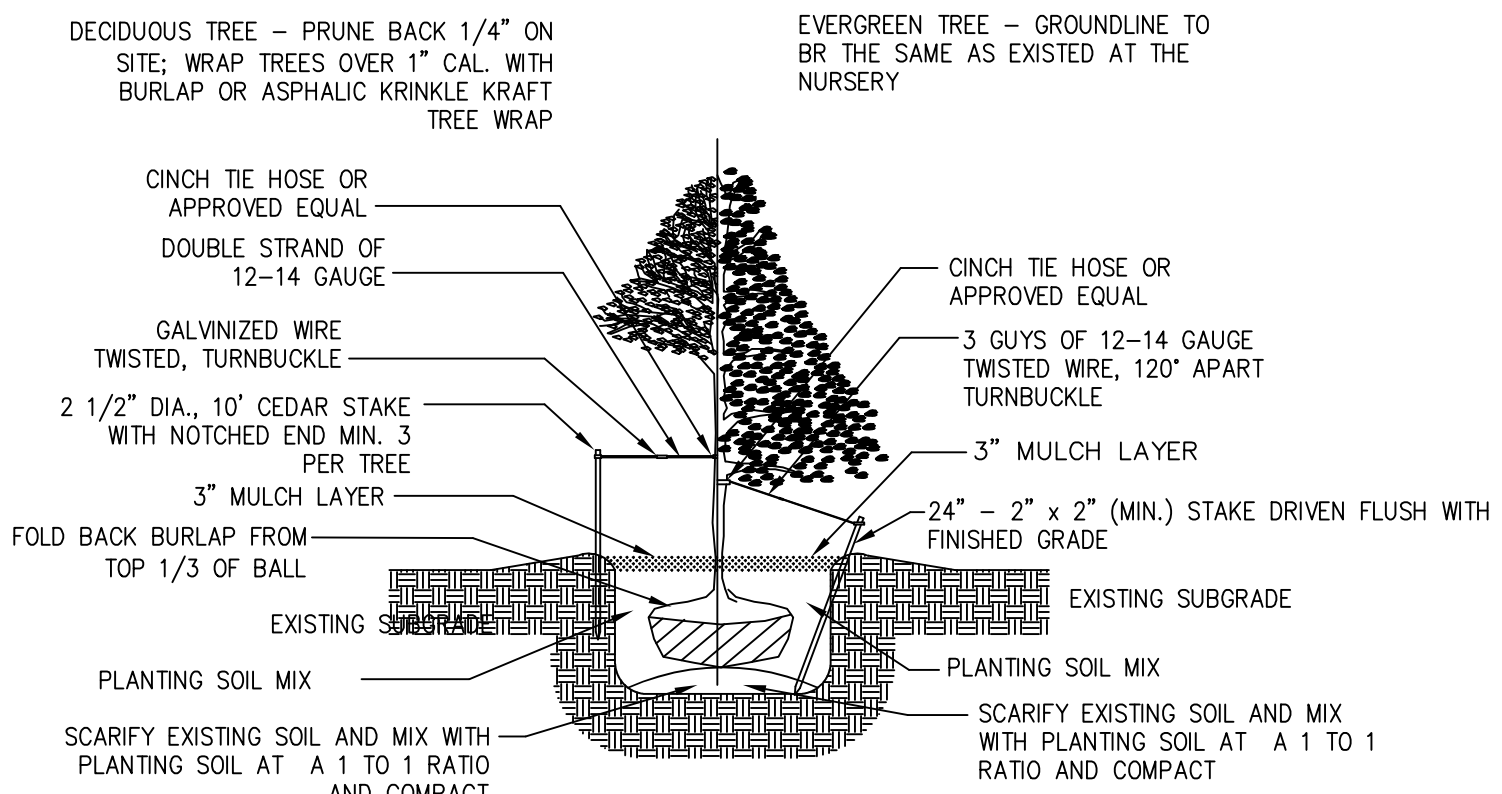
REV. DATE	2/8/2023	DESCRIPTION	
BY:		REVISED PER PEER REVIEW AND TOWN COMMENTS	
PG			

PREPARED BY: **MORSE ENGINEERING CO., INC.**
 10 NEW DRIFTWAY
 SCITUATE, MA 01966
 (781) 544-8895

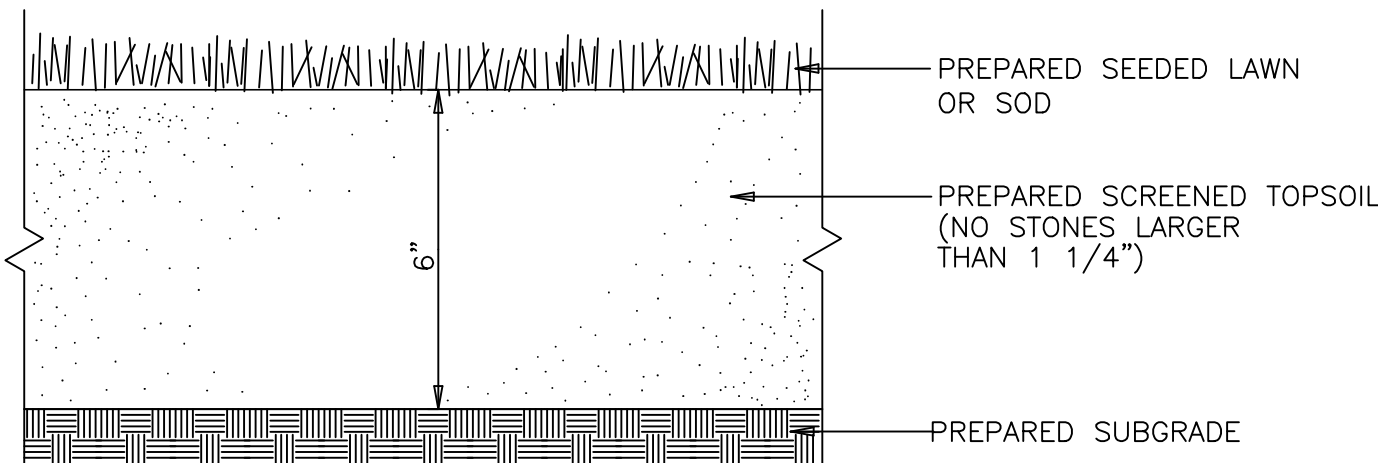
PROJECT: 33 NEW DRIFTWAY (PARCELS: 53-5-19 & 53-5-20-A) SCITUATE, MASSACHUSETTS
 PREPARED FOR: SAOIRSE, LLC

JOB NO: 15-436
 SCALE: 1" = 20'
 DESIGN: PGG
 CHK: GJM
 DATE: 7/5/2022
 PLAN TITLE: SITE LAYOUT
 SHEET: 4 OF 12





DECIDUOUS AND EVERGREEN TREE PLANTING DETAIL
NOT TO SCALE



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

- 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 1 1/4".

PLANT MIX NOTES:

1. CREATE A PLANTING MIX COMPRISED OF 2/3 SCREENED LOAM, 1/3 PEAT MOSS, AND 1/3 COW MANURE. PLANTING MIX SHALL BE FREE OF WEEDS, STONES, AND DEBRIS LARGER THAN 1/2", AND SHALL NOT CONTAIN TOXIC SUBSTANCES HARMFUL TO PLANT GROWTH. AMEND WITH "PLANTONE" ORGANIC FERTILIZER, AT RATE RECOMMENDED BY THE MANUFACTURER.
2. PRIOR TO PLANTING THE CONTRACTOR SHALL ESTABLISH GRADES WITH FUTURE PLANTING AREAS MARKED AS SUCH.

PLANTINGS NOTES:

1. PLANT BEDS SHALL BE DUG TO 18" DEPTH AND BACK FILLED WITH THE PLANTING MIX SPECIFIED ABOVE.
2. CONTAINER/B&B PLANT PITS SHALL BE DUG TWICE THE WIDTH OF THE ROOT BALL AND AS DEEP AS THE BALL. PLANT PITS AND PLANTING BEDS SHALL BE BACKFILLED WITH SPECIFIED PLANTING MIX IN LIFTS TO AVOID AIR POCKETS IN BACKFILL. PEAT MOSS AND COW MANURE SHALL BE INSTALLED WITH ALL PLANT MATERIALS AT THE TIME OF PLANTING.
3. ALL PLANTS SHALL IN ALL CASES CONFORM TO THE REQUIREMENTS OF THE 'AMERICAN STANDARD FOR NURSERY STOCK' (ANSI Z60.1), LATEST EDITION, AS PUBLISHED BY THE AMERICAN NURSERY AND LANDSCAPE ASSOCIATION.
4. PLANTS SHALL BE HEALTHY AND WITHOUT DAMAGE TO ROOTS, TRUNK, BRANCHES, AND LEAVES WITH A HABIT TYPICAL OF THE SPECIES UNLESS OTHERWISE SPECIFIED.
5. ALL PLANT MATERIAL TO BE SET PLUMB, AND AT THE SAME RELATIONSHIP WITH FINISHED GRADE AS IT BORE IN THE NURSERY.
6. ALL BURLAP, WIRE BASKETS, AND OTHER MATERIALS ATTACHED TO THE PLANTS SHALL BE REMOVED PRIOR TO PLANTING. CARE SHALL BE TAKEN NOT TO BREAK OR DISTURB THE ROOT BALL OF PLANTS.
7. INSTALL WEED CONTROL FABRIC AT SHRUB BEDS (NOT SOD). THREE INCHES OF NATURALLY DARK BROWN AGED PINE BARK MULCH SHALL BE SPREAD OVER ALL PLANT BEDS. MULCH SHALL NOT TOUCH TRUNK OF SHRUBS OR TREES.
8. ALL PLANTS SHALL BE WATERED IMMEDIATELY AFTER PLANTING, AND RECEIVE ONE INCH OF WATER PER WEEK THEREAFTER.
9. THE CONTRACTOR SHALL MAINTAIN ALL PLANTS IN HEALTHY GROWING CONDITION FOR A MINIMUM OF 30 DAYS AFTER THE COMPLETION OF PLANT INSTALLATION OR UNTIL ACCEPTANCE OF THE COMPLETED PROJECT OWNER.
10. PLANTS SHALL BE GUARANTEED FOR A PERIOD OF 1 YEAR AFTER THE PROJECT ACCEPTANCE AND SHALL BE IN SATISFACTORY GROWTH AT THE END OF THE GUARANTEE PERIOD. THE CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE ALL FAILING PLANT MATERIALS, AND REPLACE THEM WITH THE SAME KIND AND SIZE OF MATERIAL AS SPECIFIED IN THE PLANT LIST.
11. LAWN AREAS SHALL RECEIVE 6" OF LOAM. LOAM SHALL BE UNIFORM IN COMPOSITION, FREE OF STONES AND DEBRIS LARGER THAN 1/2", AND SHALL NOT CONTAIN TOXIC SUBSTANCES HARMFUL TO PLANT GROWTH.

TRANSPLANTING NOTES (IF NEEDED):

1. ALL TRANSPLANTS SHALL BE DUG WITH INTACT ROOT BALLS CAPABLE OF SUSTAINING THE PLANT. IF PLANTS ARE TO BE STOCKPILED BEFORE REPLANTING, THEY SHALL BE HEALED IN WITH MULCH OR SOIL, ADEQUATELY WATERED AND PROTECTED FROM EXTREME HEAT, SUN, AND WIND.
2. PLANTS SHALL NOT BE DUG FOR TRANSPLANTED BETWEEN APRIL 10 AND JUNE 30.
3. UPON REPLANTING, BACKFILL SOIL SHALL BE AMENDED WITH FERTILIZER AND ROOT GROWTH HORMONE.
4. TRANSPLANTS SHALL BE GUARANTEED FOR THE LENGTH OF THE GUARANTEE PERIOD SPECIFIED HEREIN.
5. IF TRANSPLANTS DIE, SHRUBS AND TREES LESS THAN SIX INCHES DBH SHALL BE REPLACED IN KIND. TREES GREATER THAN SIX INCHES DBH MAY BE REQUIRED TO BE REPLACED IN ACCORDANCE WITH THE MUNICIPALITY'S TREE REPLACEMENT GUIDELINES.

WATERING NOTES:

1. NEW PLANTINGS OR LAWN AREAS SHALL BE ADEQUATELY IRRIGATED BEGINNING IMMEDIATELY AFTER PLANTING. WATER SHALL BE APPLIED TO EACH TREE AND SHRUB IN SUCH A MANNER AS NOT TO DISTURB BACKFILL AND TO THE EXTENT THAT ALL MATERIALS IN THE PLANTING HOLE ARE SATURATED. WATERING SHALL CONTINUE UNTIL PLANTS ARE ESTABLISHED.
2. SITE OWNER SHALL PROVIDE WATER IF AVAILABLE ON SITE AT THE TIME OF PLANTING. IF WATER IS NOT AVAILABLE ON SITE, CONTRACTOR SHALL SUPPLY NECESSARY WATER. THE USE OF WATERING BAGS IS RECOMMENDED FOR NEW TREES.
3. IF AN IRRIGATION SYSTEM IS INSTALLED ON SITE, IT SHALL BE USED TO WATER PROPOSED PLANT MATERIAL, BUT ANY FAILURE OF THE SYSTEM DOES NOT ELIMINATE THE CONTRACTOR'S RESPONSIBILITY OF MAINTAINING THE DESIRED MOISTURE LEVEL FOR VIGOROUS, HEALTHY GROWTH.

SECTION 751.3

STREET TREE PLANTING REQUIREMENTS:

- STREET TREES: 1 TREE / 40'-FT OF FRONTAGE
EXISTING FRONTAGE: 180.49'-FT
REQUIRED STREET TREES: 4.5 TREES
PROVIDED STREET TREES: 5 TREES

SECTION 760

PARKING LOT LANDSCAPING REQUIREMENTS:

- PARKING PLANTING: 1 TREE / 8 PARKING SPACES
38 SPACES / 8 = 5 TREES REQUIRED
6 TREES PROVIDED

5% INTERIOR PARKING AREA DESIGNATED FOR LANDSCAPING
15,777 S.F. x 0.05 = 777 S.F. REQUIRED
842 S.F. PROVIDED (GREEN HATCH)

PARKING LOT SCREENING STANDARDS:

- STREET SCREEN: REQUIRED WHERE PARKING IS VISIBLE FROM PUBLIC STREET OR SIDEWALK
REQUIRED: 5'-FT
PROVIDED: 5'-FT (LEYLAND CYPRESS)

TREE PLANTING LIST

SYMBOL	COMMON NAME	BOTANICAL NAME	SIZE/HT	QTY
	LONDON PLANETREE	PLATANUS X ACERIFOLIA	2.5"-3" CAL.	5
	DR. MERRILL MAGNOLIA	MAGNOLIA X LOEBNERI 'MERRILL'	6"-7" HT.	1
	LEYLAND CYPRESS	X CUPRESSOCYPARIS LEYLANDII	4"-5" HT.	40
	EUROPEAN BEECH	FAGUS SYLVATICA	2.5"-3" CAL.	1
	GINKGO	GINKGO BILOBA	2.5"-3" CAL.	7

GRASS PLANTING LIST

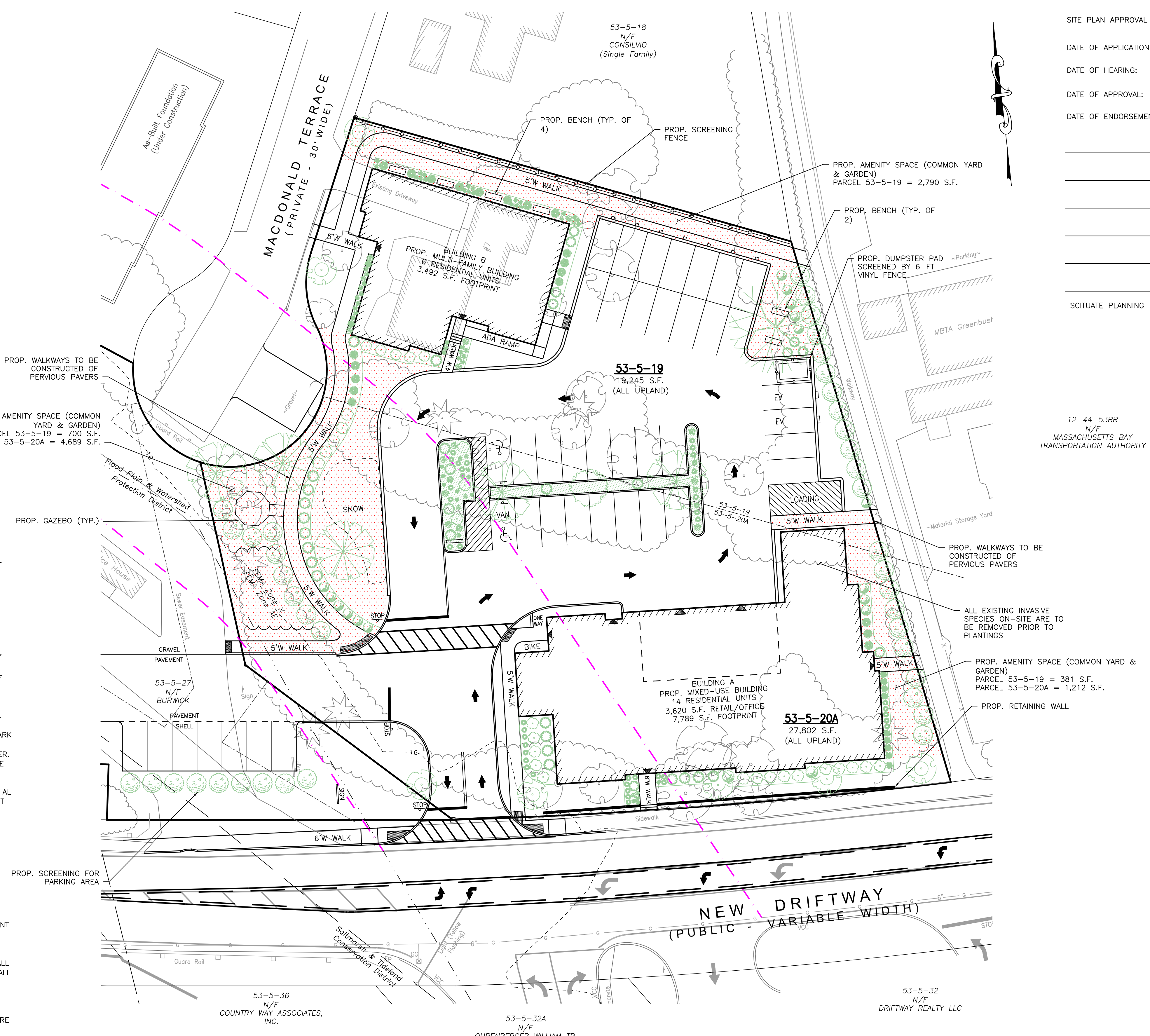
SYMBOL	COMMON NAME	BOTANICAL NAME	SIZE/HT	QTY
	HAMELN GRASS	PENNISETUM ALOPECUROIDES 'HAMELN'	1 GAL.	23
	ELIJAH BLUE FESCUE	FESTUCA GLAUCA 'ELIJAH BLUE'	1.5 GAL.	27
	SHENANDOAH SWITCH GRASS	PANICUM VIRGATUM 'SHENANDOAH'	3 GAL.	32

SHRUB PLANTING LIST

SYMBOL	COMMON NAME	BOTANICAL NAME	SIZE/HT	QTY
	NORTHERN BAYBERRY	MYRICA PENNSYLVANICA	3 GAL.	14
	SHAMROCK INKBERRY	ILEX GLABRA 'SHAMROCK'	15"-18"	33
	ENDLESS SUMMER HYDRANGEA	HYDRANGEA MACROPHYLLA	3 GAL.	20
	GRO-LOW SUMAC	RHUS AROMATICA 'GRO-LOW'	3 GAL.	24

PERENNIAL & ANNUALS PLANTING LIST

SYMBOL	COMMON NAME	BOTANICAL NAME	SIZE/HT	QTY
	LAVENDER 'PHENOMENAL'	LAVANDULA INTERMEDIA 'PHENOMONEL'	1 GAL.	14
	HEUCHERA 'NORTHERN EXPOSURE PURPLE'	HEUCHERA X RICHARDSONII	1.5 GAL.	11



SITE PLAN APPROVAL

DATE OF APPLICATION: _____

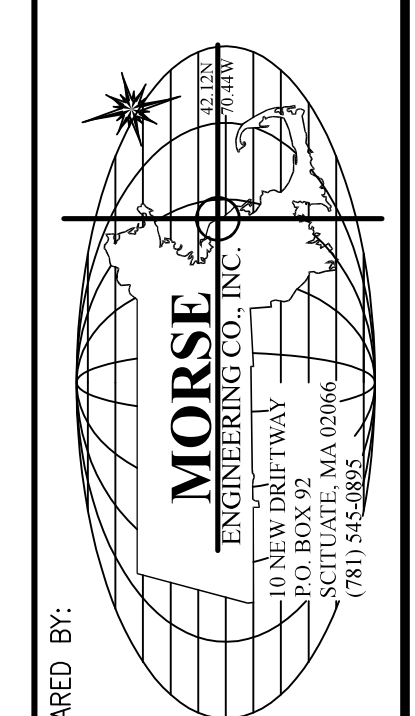
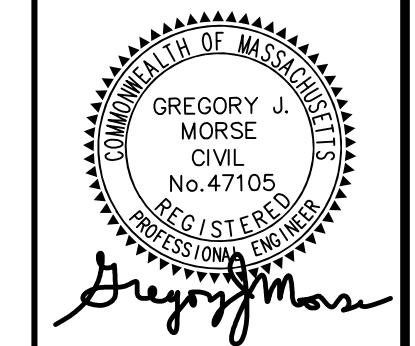
DATE OF HEARING: _____

DATE OF APPROVAL: _____

DATE OF ENDORSEMENT: _____

SCITUATE PLANNING BOARD

REV.	DATE	DESCRIPTION
2/8/2023		REVISED PER PEER REVIEW AND TOWN COMMENTS



TOMASI

LANDSCAPE * DESIGN * BUILD * MAINTAIN

299 Oak Street, Pembroke, MA 02359
Phone: 781-826-7200 Fax: 781-826-0942



PROJECT: 33 NEW DRIFTWAY (PARCELS: 53-5-19 & 53-5-20-A) SCITUATE, MASSACHUSETTS

PREPARED FOR: SAOIRSE, LLC

JOB NO: 15-436

SCALE: 1" = 20'

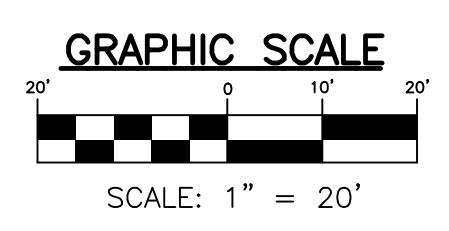
DESIGN: PGG

CHK: GJM

DATE: 1/9/2023

PLAN TITLE: LANDSCAPING & AMENITY SPACE

SHEET: 5 OF 12





SCITUATE WATER SPECIFICATIONS:

1. ALL WORK SHALL CONFORM TO MOST RECENT AWWA, DEP, STATE, AND FEDERAL STANDARDS.
2. ALL MATERIALS SHALL BE AMERICAN MADE.
3. CONSTRUCTION SHALL COMPLY WITH OSHA STANDARDS.
4. ONLY WATER DIVISION EMPLOYEES TO OPERATE VALVES OR HYDRANTS.
5. NO PIPES OR APPURTENANCES SHALL BE BACKFILLED BEFORE INSPECTION BY AUTHORIZED AGENT OF WATER DEPARTMENT.
6. ALL WATER COMPONENTS SHALL COMPLY TO SCITUATE WATER DEPARTMENT SPECIFICATION STANDARDS, INCLUDING SERVICE LINES, JOINTS, FITTINGS, VALVES, HYDRANTS, SERVICE TAPS, AND TAPPING SLEEVES.
7. SERVICE & GATE BOXES SHOULD BE BUFFALO SLIDE STYLE AND IDENTIFIED AS WATER.
8. A SERVICE DRAWING IDENTIFYING INSTALLATION IS REQUIRED BEFORE SERVICE IS ACTIVATED. DRAWING SHOULD INCLUDE APPROPRIATE TIES.
9. CONSTRUCTION IN TOWN ROADS REQUIRES DPW STREET OPENING AND TRENCH PERMITS.
10. CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE YEAR.
11. ALL UNITS ARE TO BE INDIVIDUALLY METERED, NO MASTER METERS ARE TO BE INSTALLED.

SCITUATE SEWER SPECIFICATIONS:

1. ALL JOINT SECTIONS ARE TO BE EXTERNALLY WRAPPED.
2. IF THE APPLICANT WISHES TO RE-USE ANY PORTION OF THE EXISTING SEWER LINE, THEY SHALL HAVE IT CAMERA INSPECTED AND PROVIDE A COPY OF THE VIDEO INSPECTION TO THE SEWER DIVISION FOR FINAL APPROVAL.
3. ANY EXTERNAL CLEANOUT PORTS OR VIEW PORTS SHALL HAVE A METAL COVER TO GRADE.
4. ALL SEWER LINE WORK TO BE COMPLETED BY A LICENSED DRAINLAYER IN THE TOWN OF SCITUATE.
5. APPLICANT TO PROVIDE FINAL AS-BUILT OF SEWER ONCE CONSTRUCTED.
6. SEWER CONNECTION FEES SHALL BE DUE FOR ANY ADDITIONAL UNITS CONNECTED TO TOWN SEWER AND ARE THE RESPONSIBILITY OF THE OWNER.

SITE PLAN APPROVAL

DATE OF APPLICATION: _____

DATE OF HEARING: _____

DATE OF APPROVAL: _____

DATE OF ENDORSEMENT: _____

SCITUATE PLANNING BOARD

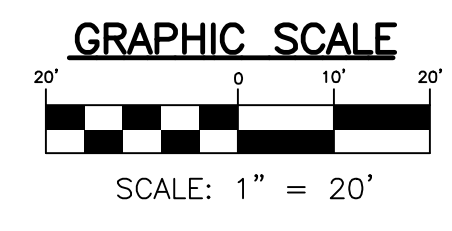
SCHEDULE OF DRAINAGE STRUCTURES

STRUCTURE	RIM	INVERT (IN)	INVERT (OUT)
DMH-1	18.0	10.1	10.0
FD-1	17.8	10.4	10.4
DMH-2	18.2	10.7	10.6
CBN-1	17.5		12.2
CBN-2	17.3		12.2
DMH-3	18.1	10.9	10.8
DMH-4	16.7	11.8	11.7
CBN-3	15.2		12.2
CBN-4	15.0		12.2
CBN-5	15.2		12.2

SCHEDULE OF DRYWELL ELEVATIONS

CULTEC R-330XL DRYWELLS	ELEVATION
ESHGW	6.5 (TP-7)
BOTTOM OF STONE	9.5
BOTTOM OF CHAMBER	10.0
INV. INTO CHAMBER	10.0
TOP OF CHAMBER	12.6
TOP OF STONE	13.1
MINIMUM FINISHED GRADE	14.1
MAXIMUM FINISHED GRADE	25.1

BENCHMARK
CATCH BASIN RIM
EL. = 17.66
NAVD88 DATUM



BY: PGG

REVISIONS: REVISED PER PEER REVIEW AND TOWN COMMENTS

REV. DATE: 2/8/2023

PREPARED BY:

PROJECT: 33 NEW DRIFTWAY (PARCELS: 53-5-19 & 53-5-20-A) SCITUATE, MASSACHUSETTS

PREPARED FOR: SAORISE, LLC

JOB NO: 15-436

SCALE: 1" = 20'

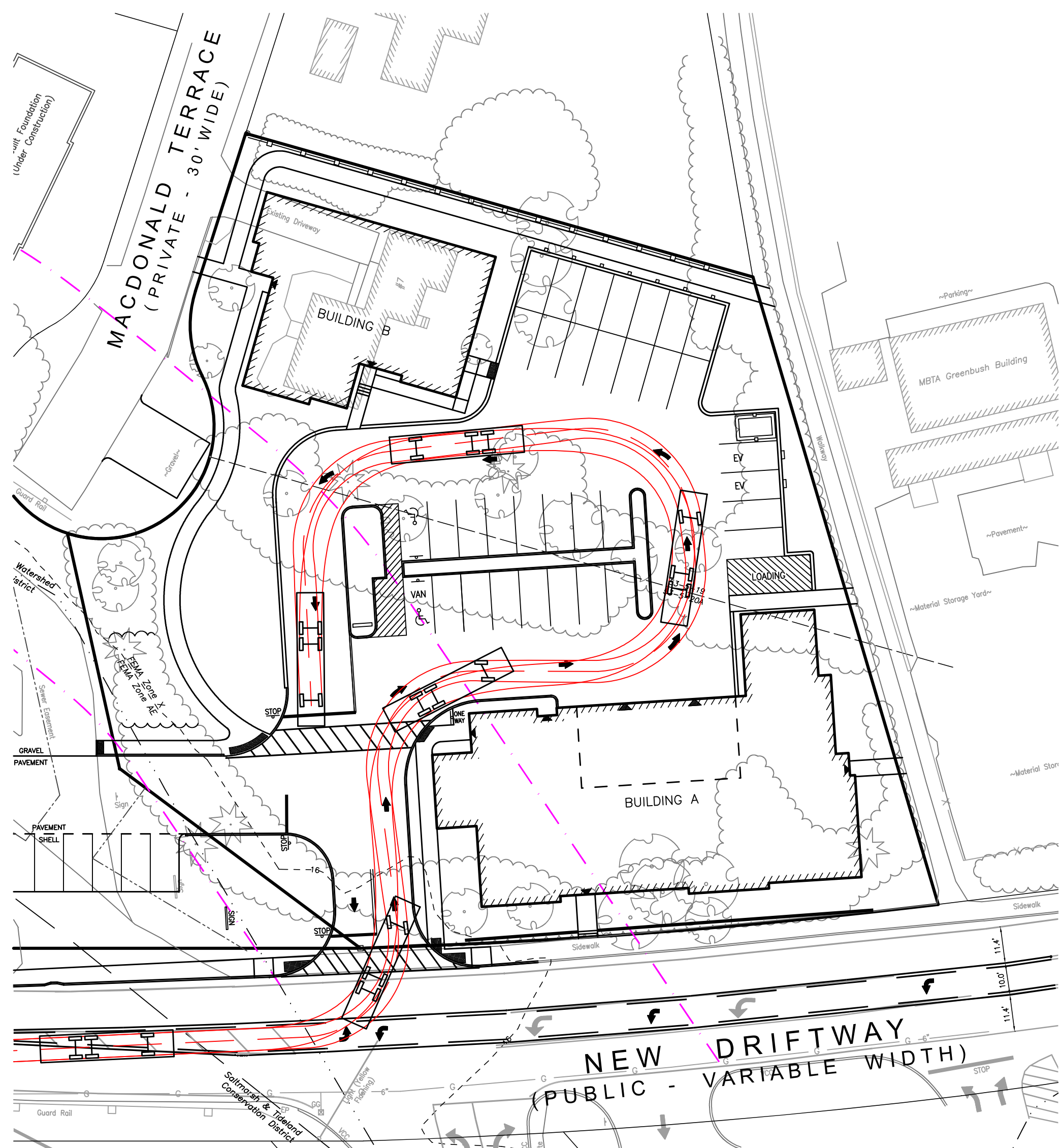
DESIGN: PGG

CHK: GJM

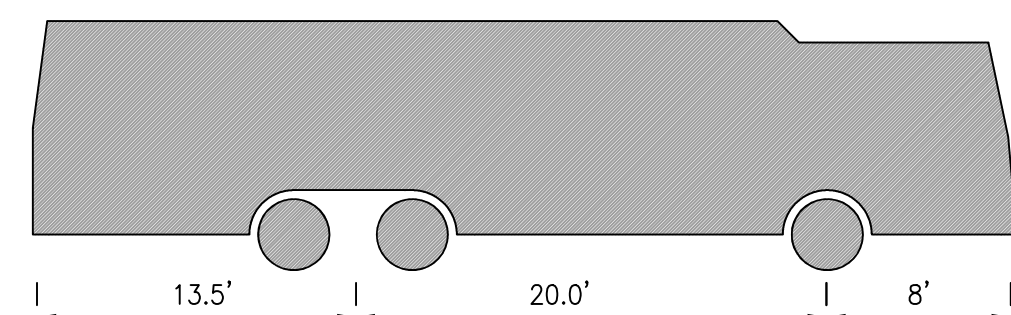
DATE: 7/5/2022

PLAN TITLE: GRADING & UTILITIES

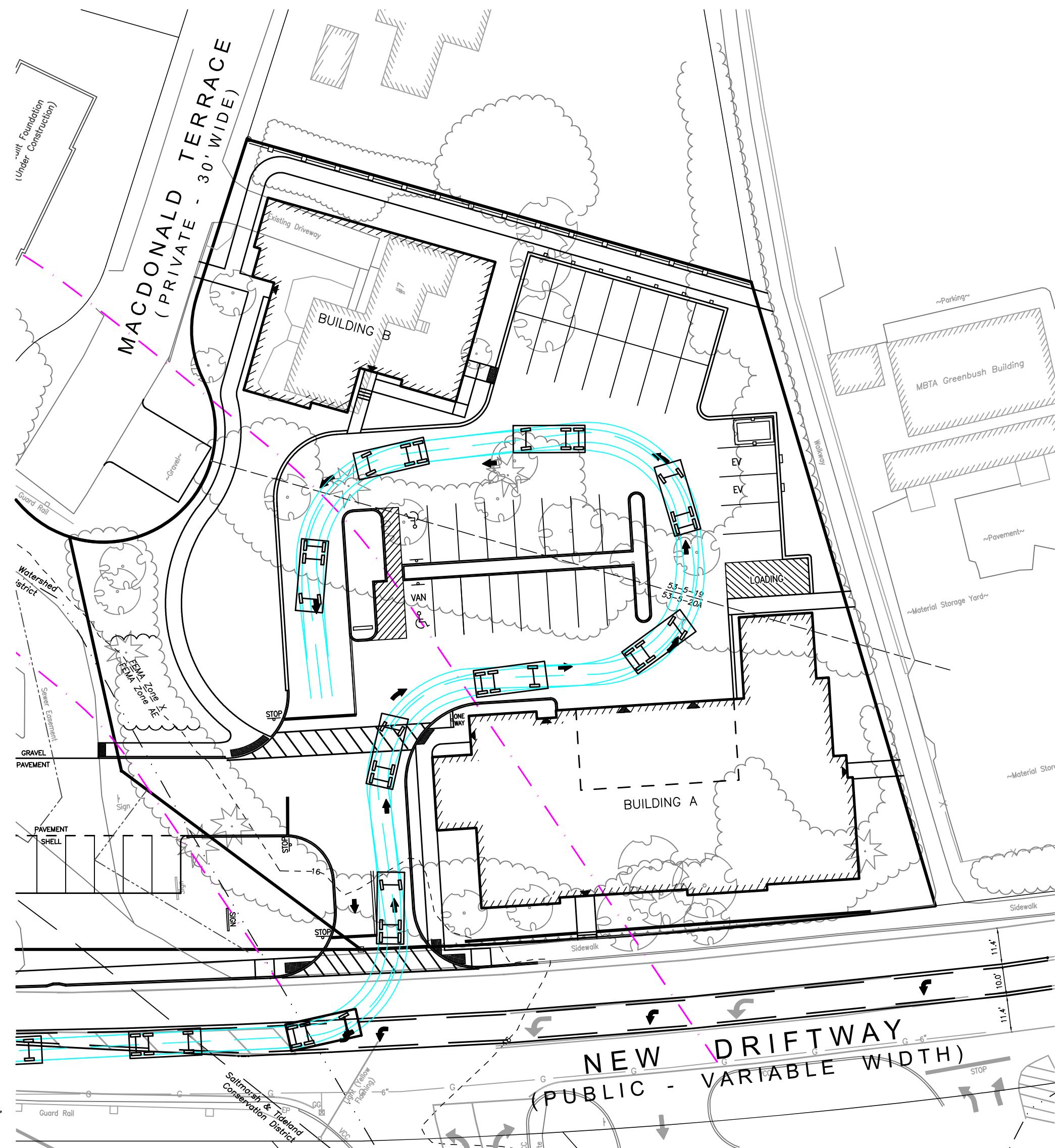
SHEET: 6 OF 12



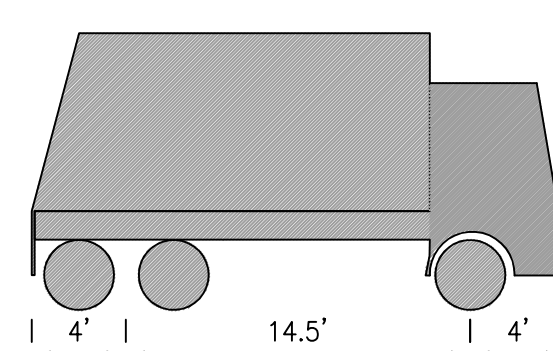
TWO-AXLE HP-100 LADDER TURNING ANALYSIS



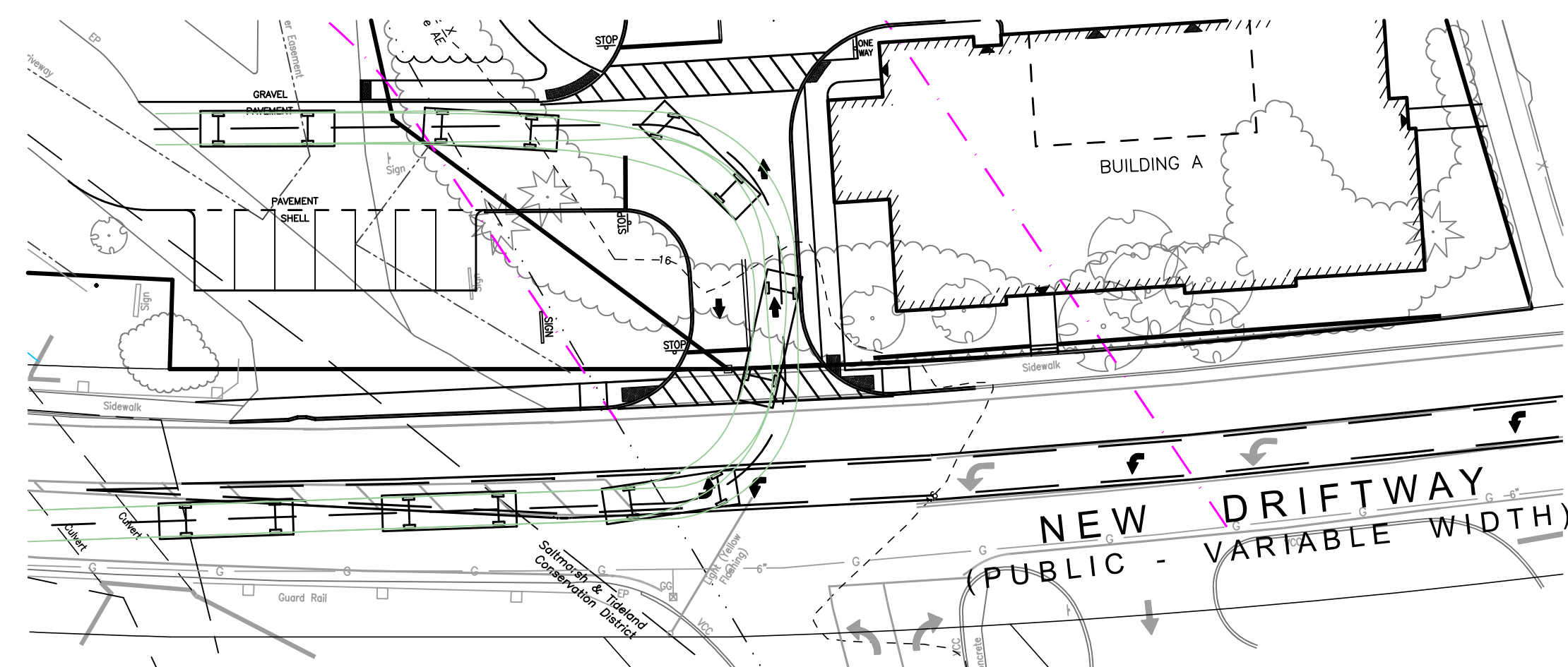
Vehicle Width: 8.33 ft
 Wheel Width: 6.88 ft
 Tire Diameter: 3.9 ft



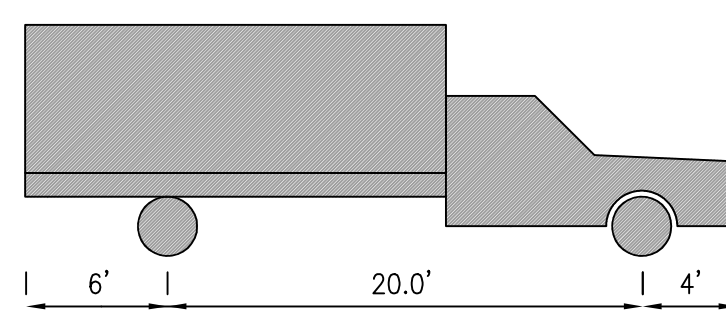
TWO-AXLE REAR LOAD GARBAGE TRUCK TURNING ANALYSIS



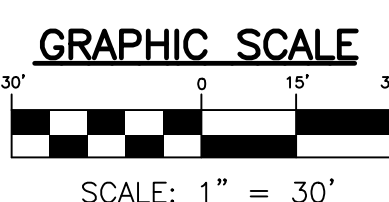
Vehicle Width: 8.5 ft
 Wheel Width: 6.67 ft
 Tire Diameter: 3 ft



DELIVERY TRUCK TURNING ANALYSIS



Vehicle Width: 8.0 ft
 Wheel Width: 7.0 ft
 Tire Diameter: 3.0 ft



SITE PLAN APPROVAL

DATE OF APPLICATION: _____

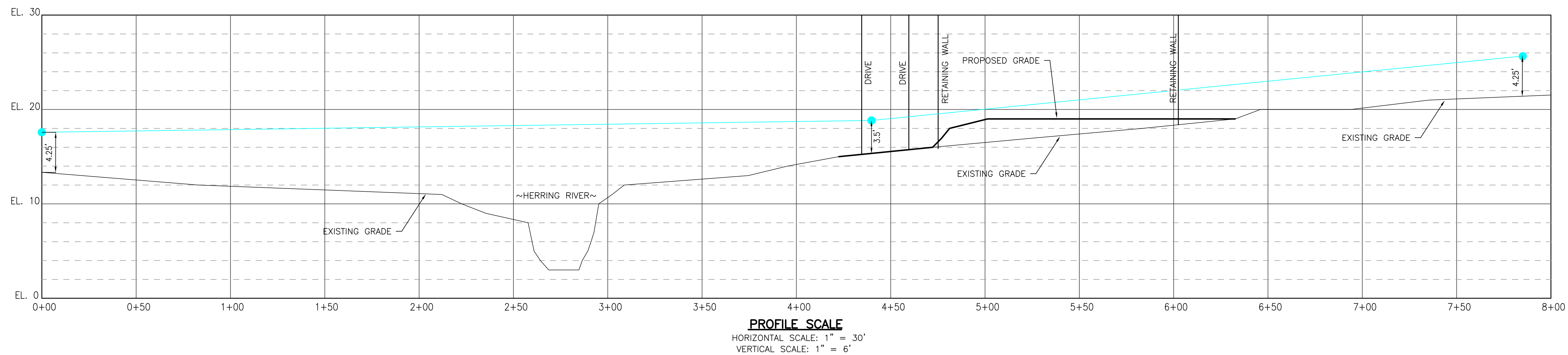
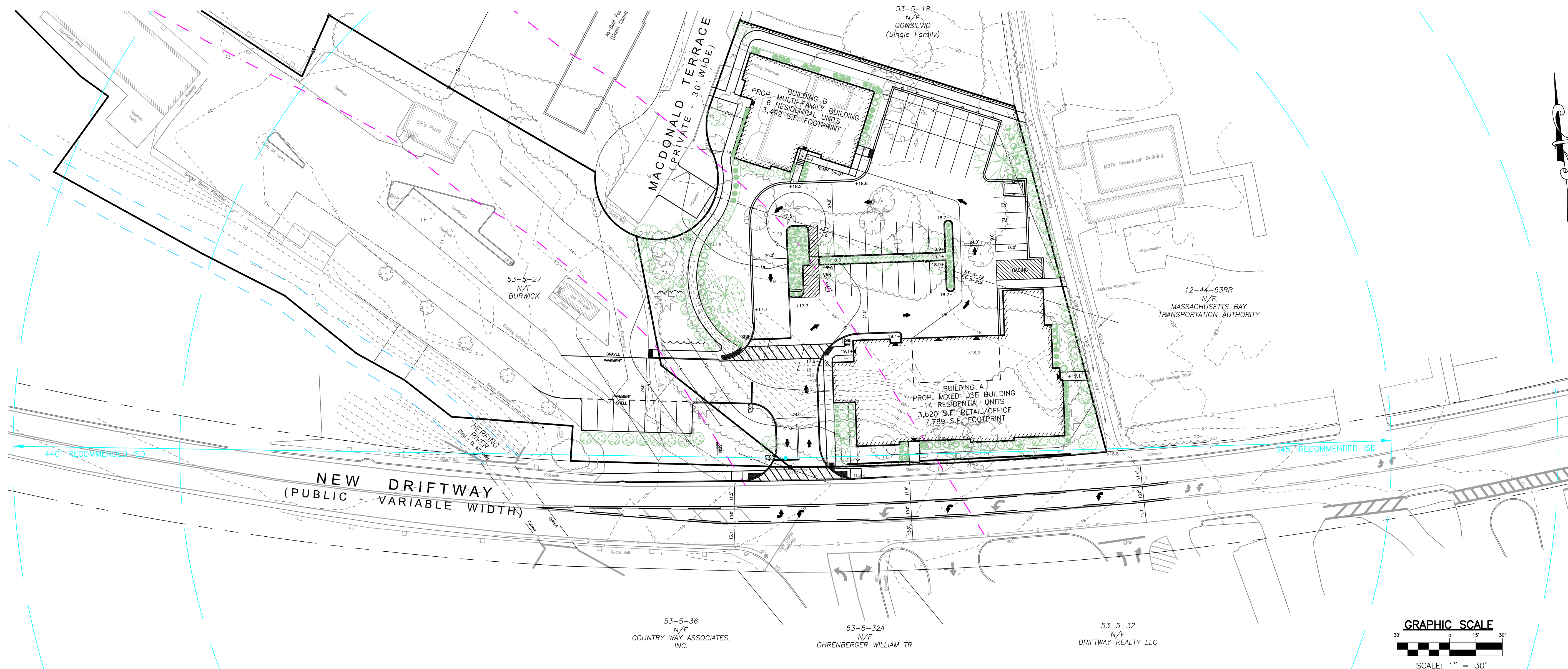
DATE OF HEARING: _____

DATE OF APPROVAL: _____

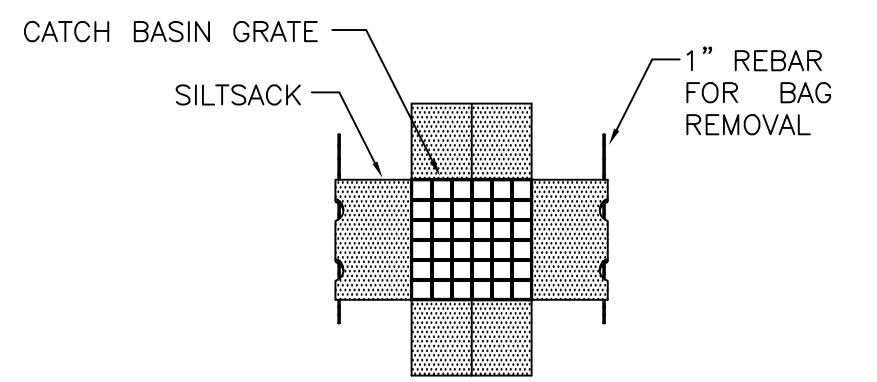
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SCITUATE PLANNING BOARD

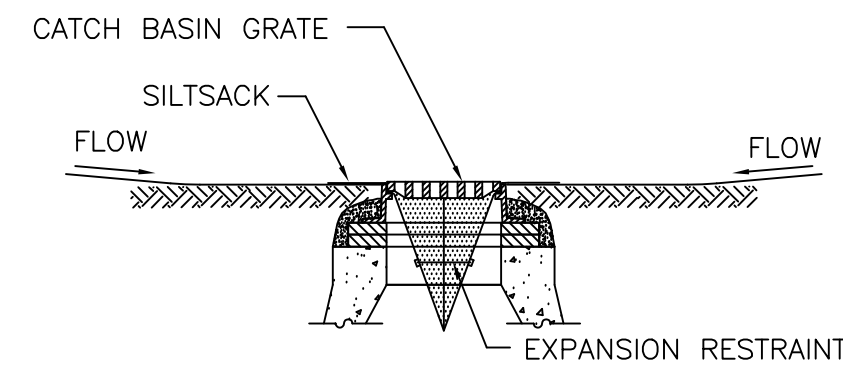
BY:	PGG
DESCRIPTION	REVISED PER PEER REVIEW AND TOWN COMMENTS
REV. DATE	2/8/2023
PROJECT:	33 NEW DRIFTWAY (PARCELS: 53-5-19 & 53-5-20-A) SCITUATE, MASSACHUSETTS
PREPARED FOR:	SAOIRSE, LLC
JOB NO:	15-436
SCALE:	1" = 30'
DESIGN:	PGG
CHK:	GJM
DATE:	7/5/2022
PLAN TITLE:	TURNING ANALYSIS
SHEET:	7 OF 12



BY:	PGG
DESCRIPTION	REVISED PER PEER REVIEW AND TOWN COMMENTS
REV. DATE	2/8/2023
PREPARED BY:	SACORSE, LLC
PROJECT:	33 NEW DRIFTWAY (PARCELS: 53-5-19 & 53-5-20-A) SCITUATE, MASSACHUSETTS
JOB NO:	15-436
SCALE:	1" = 30'
DESIGN:	PGG
CHK:	GJM
DATE:	1/6/2023
PLAN TITLE:	SIGHT DISTANCE
SHEET:	8 OF 12



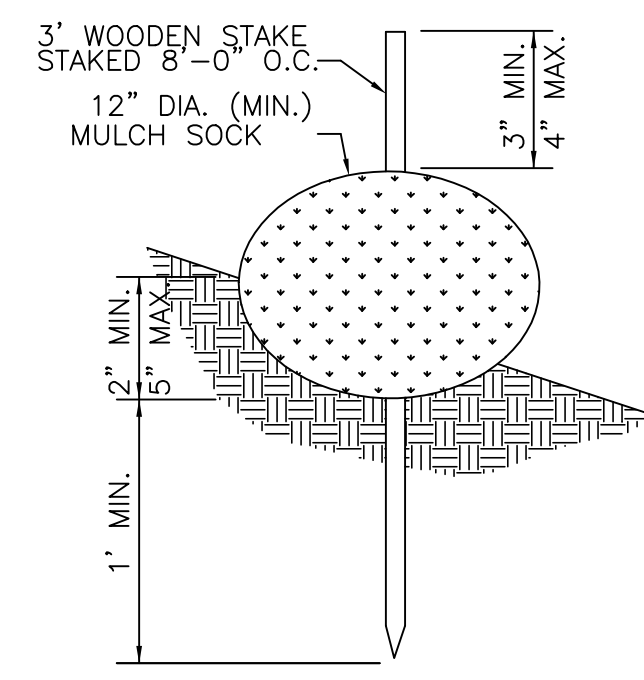
PLAN VIEW



SECTION VIEW

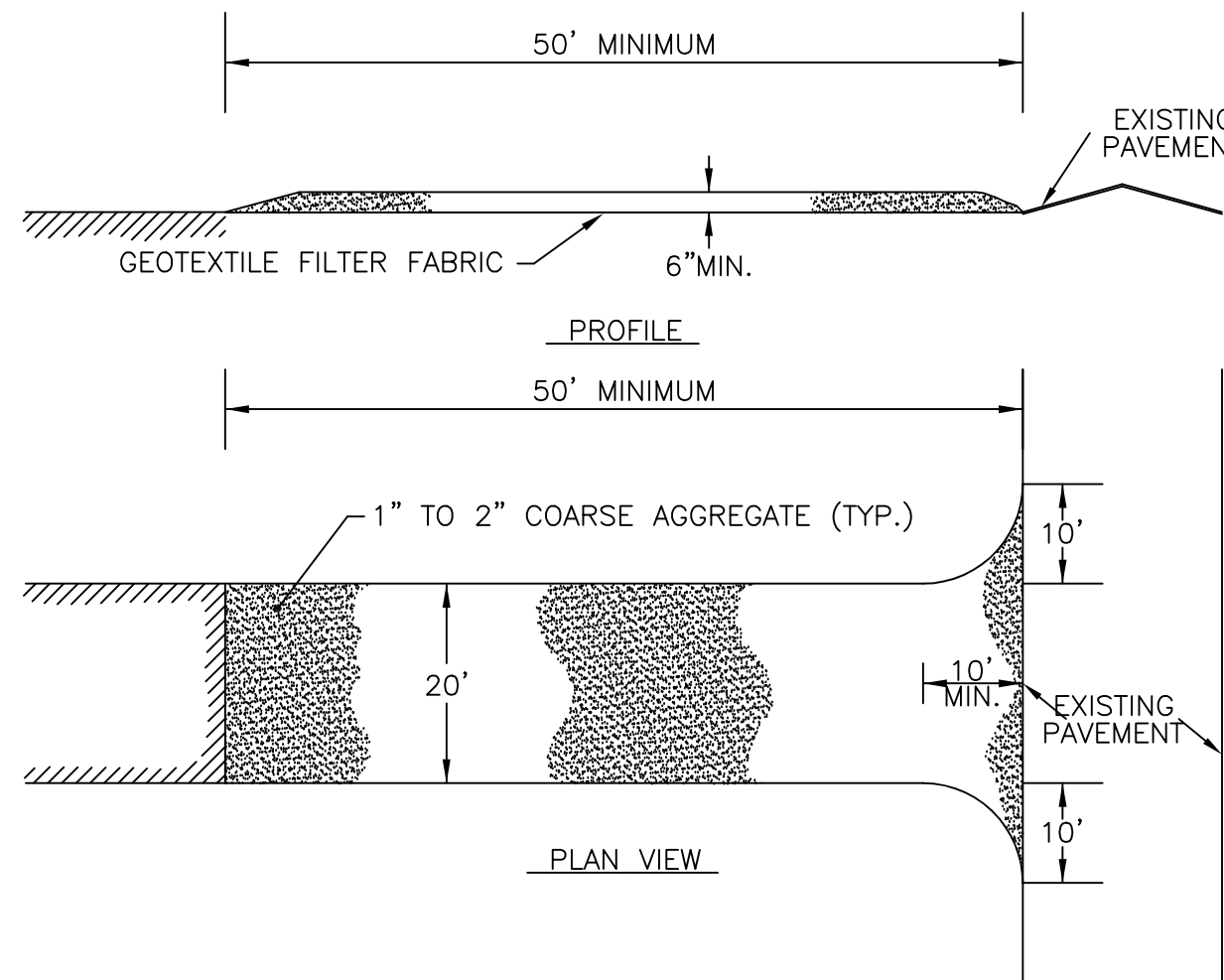
SILTSACK SEDIMENT TRAP

NOT TO SCALE



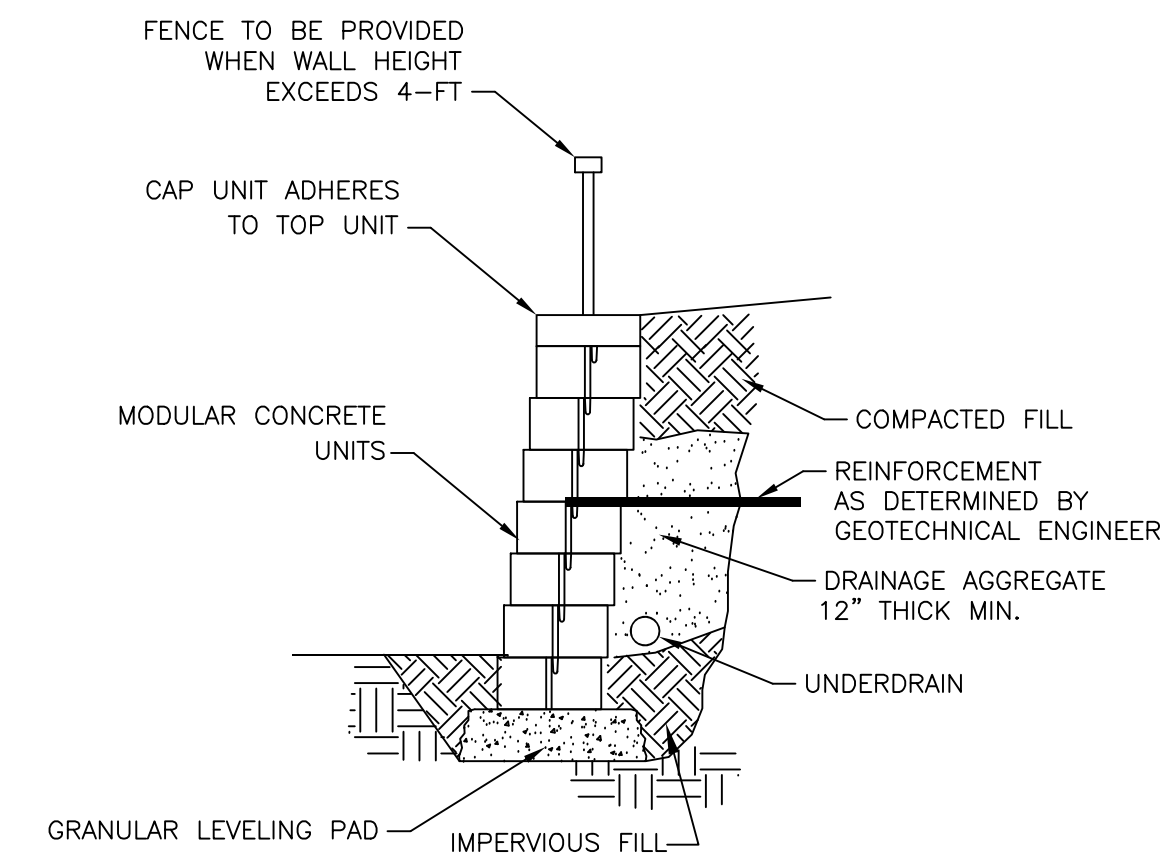
STAKED MULCH SOCK DETAIL

NOT TO SCALE



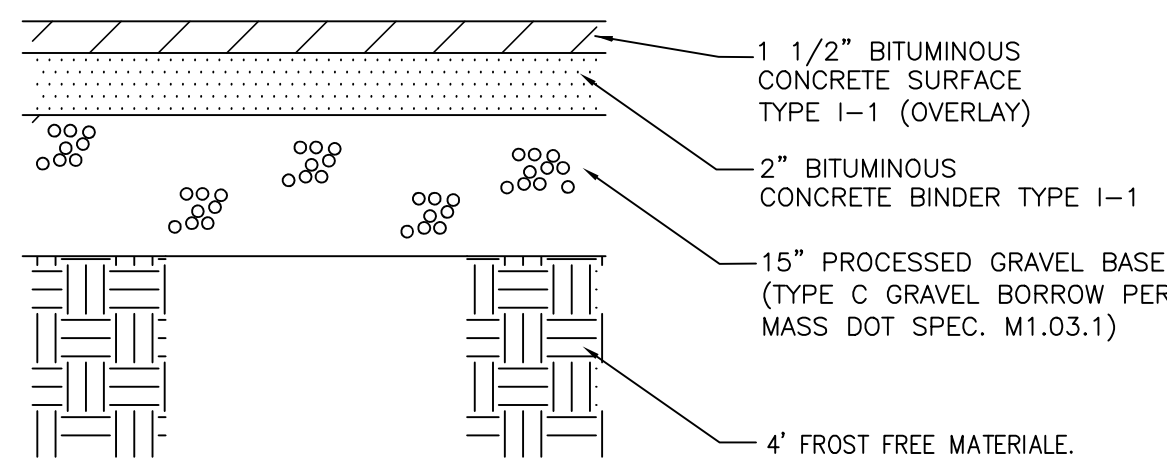
STABILIZED CONSTRUCTION ENTRANCE DETAIL

NOT TO SCALE



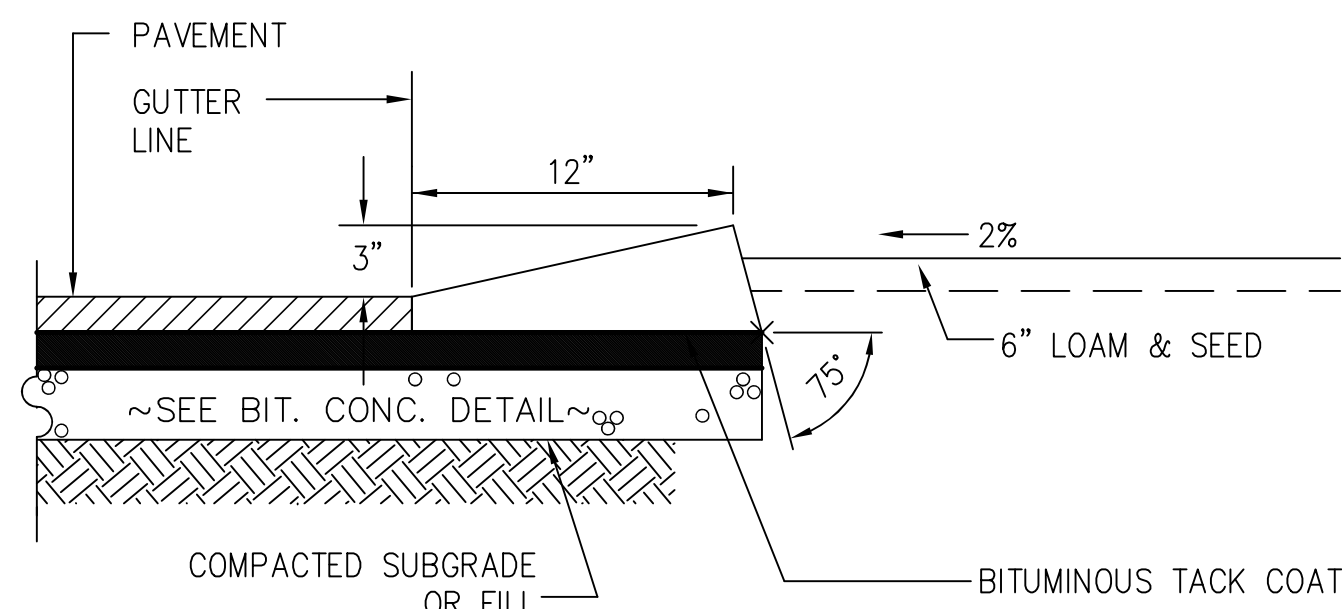
MODULAR BLOCK RETAINING WALL

NOT TO SCALE



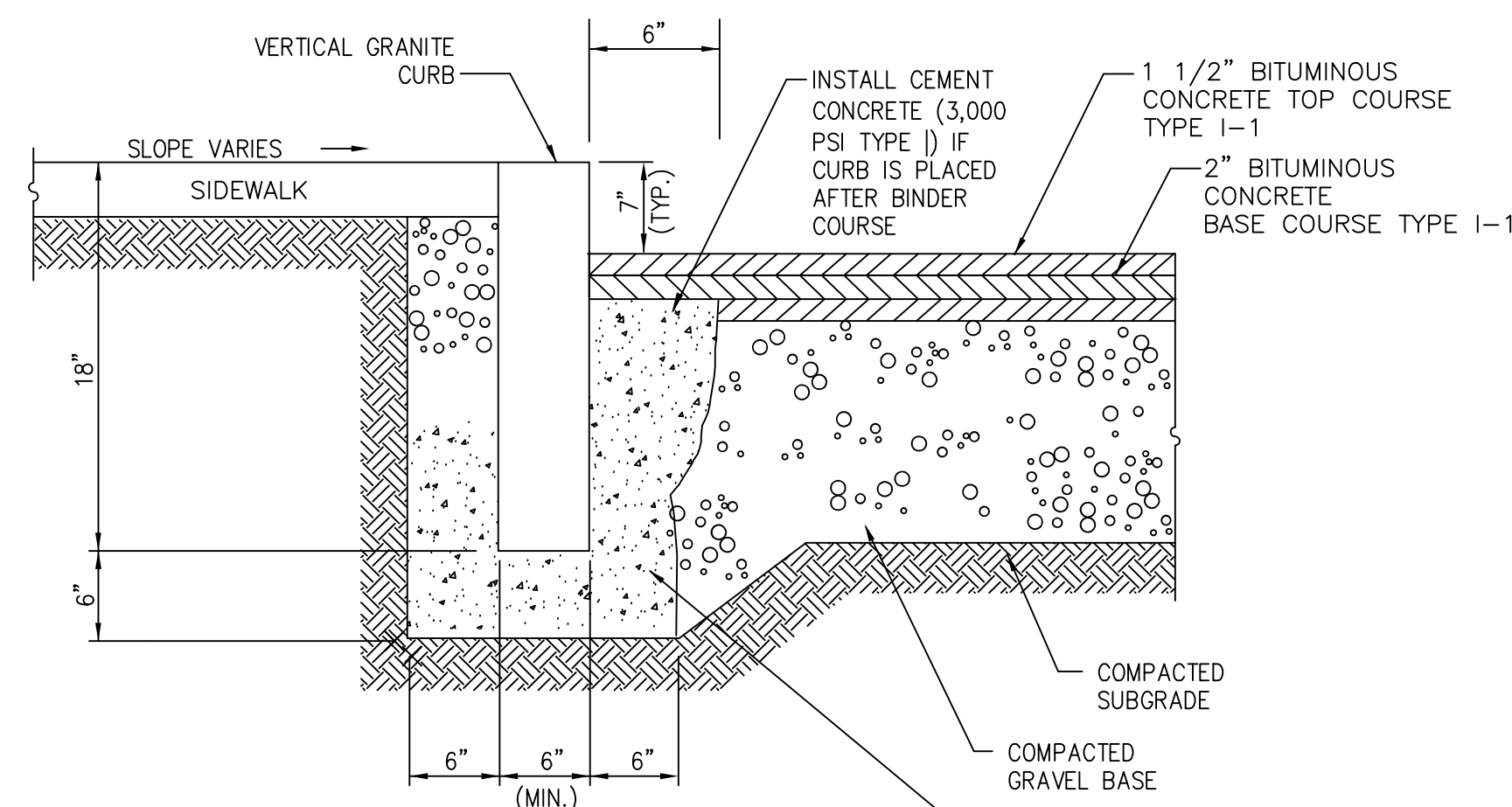
STANDARD BITUMINOUS CONCRETE PAVEMENT DETAIL

NOT TO SCALE



CAPE COD BERM DETAIL

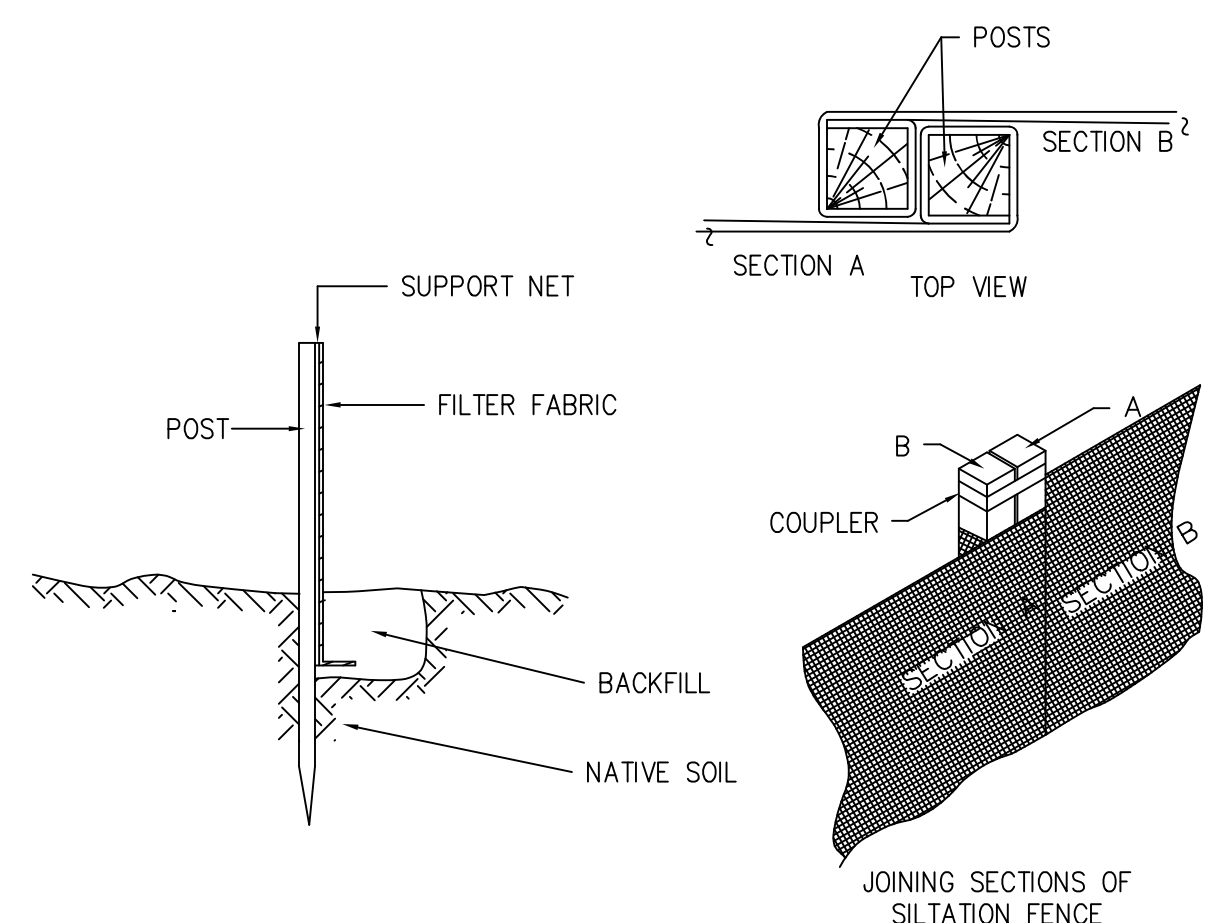
NOT TO SCALE



VERTICAL GRANITE CURB (VGC)

NOT TO SCALE

VERTICAL CURBING SHALL BE SET AND HELD IN PLACE WITH A 6" LIFT OF 4,000 PSI CONCRETE WITH 3/4" AGGREGATE ON BOTH SIDES AND THE BOTTOM OF THE CURB.

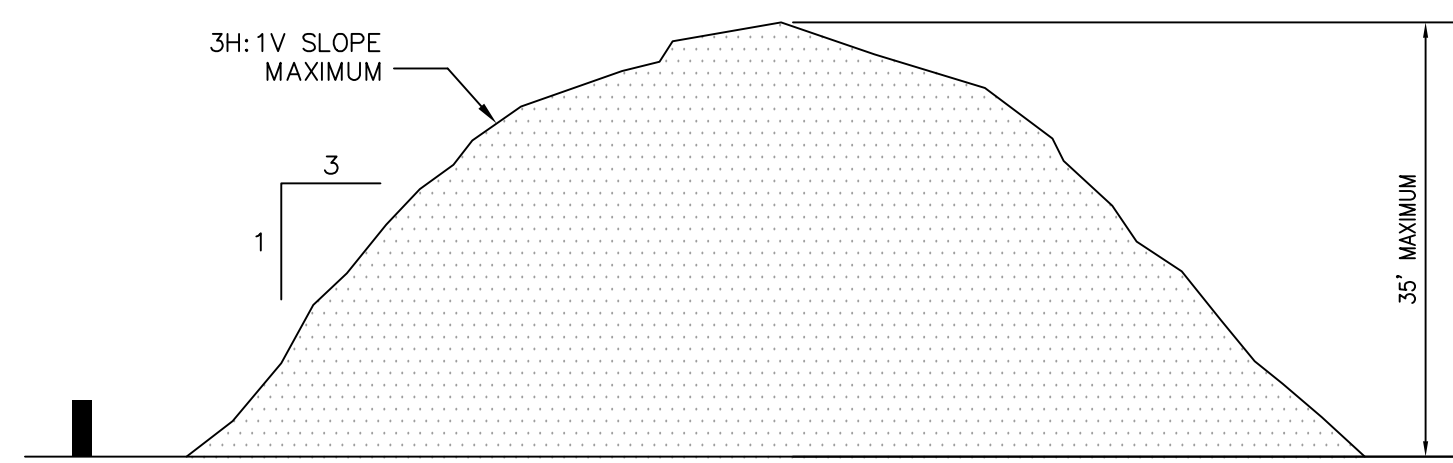


SILTATION FENCE

NOT TO SCALE

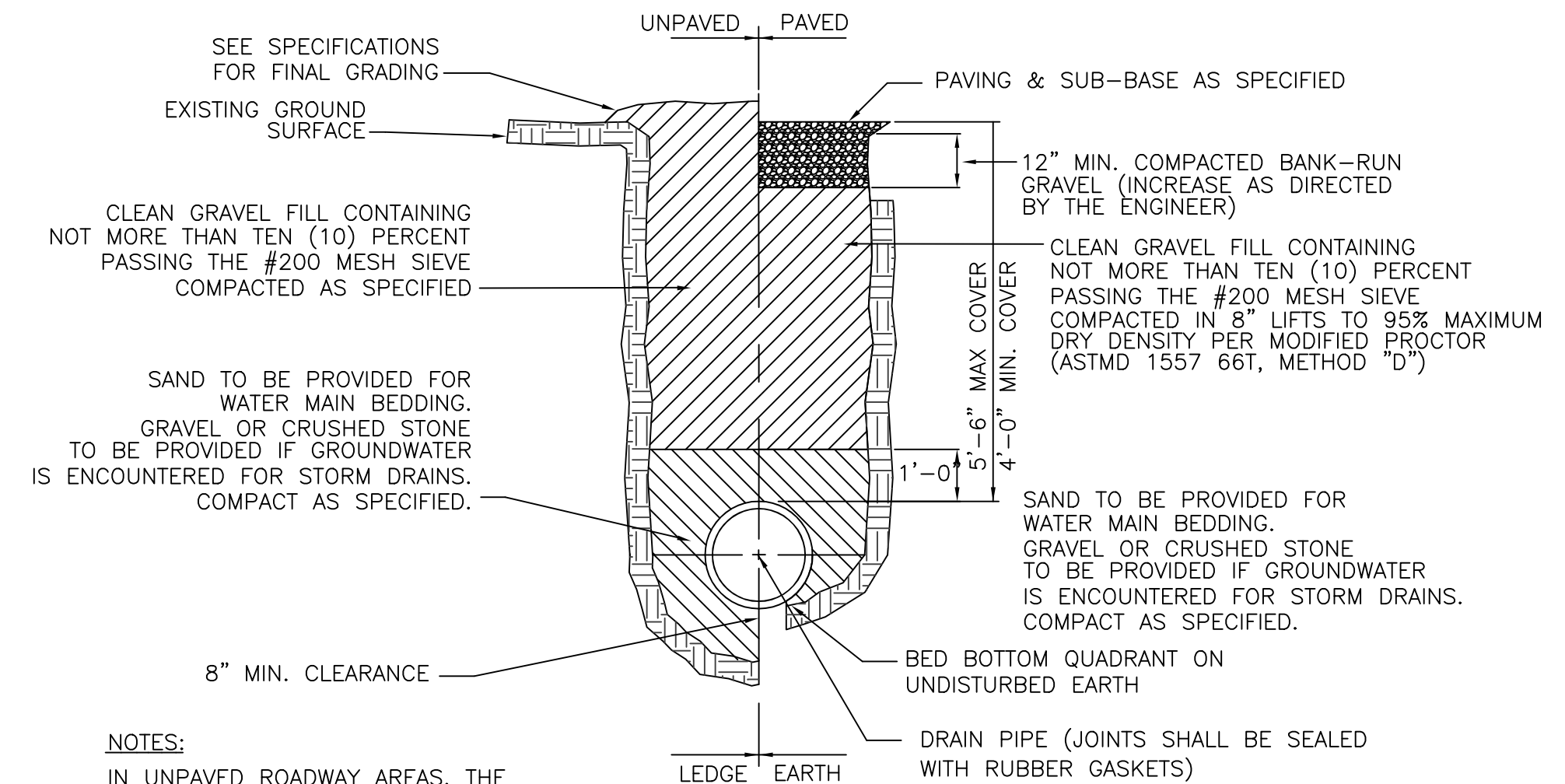
CONSTRUCTION NOTES:

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



TYPICAL SOIL STOCKPILE DETAIL

NOT TO SCALE

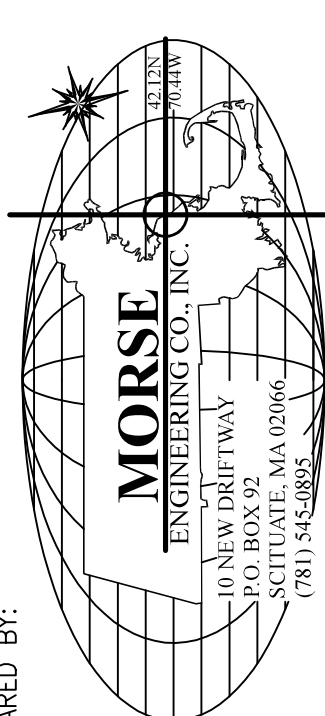
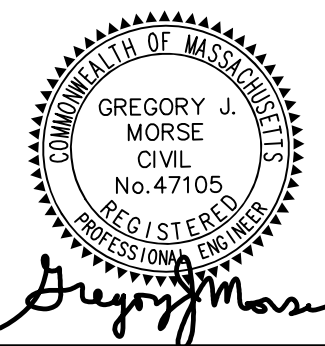


TYPICAL TRENCH

NOT TO SCALE

NOTES:
IN UNPAVED ROADWAY AREAS, THE FINAL 6" OF BACKFILL SHALL BE COMPACTED CRUSHED BANK GRAVEL FINISH, GRADED TO MATCH EXISTING GROUND.

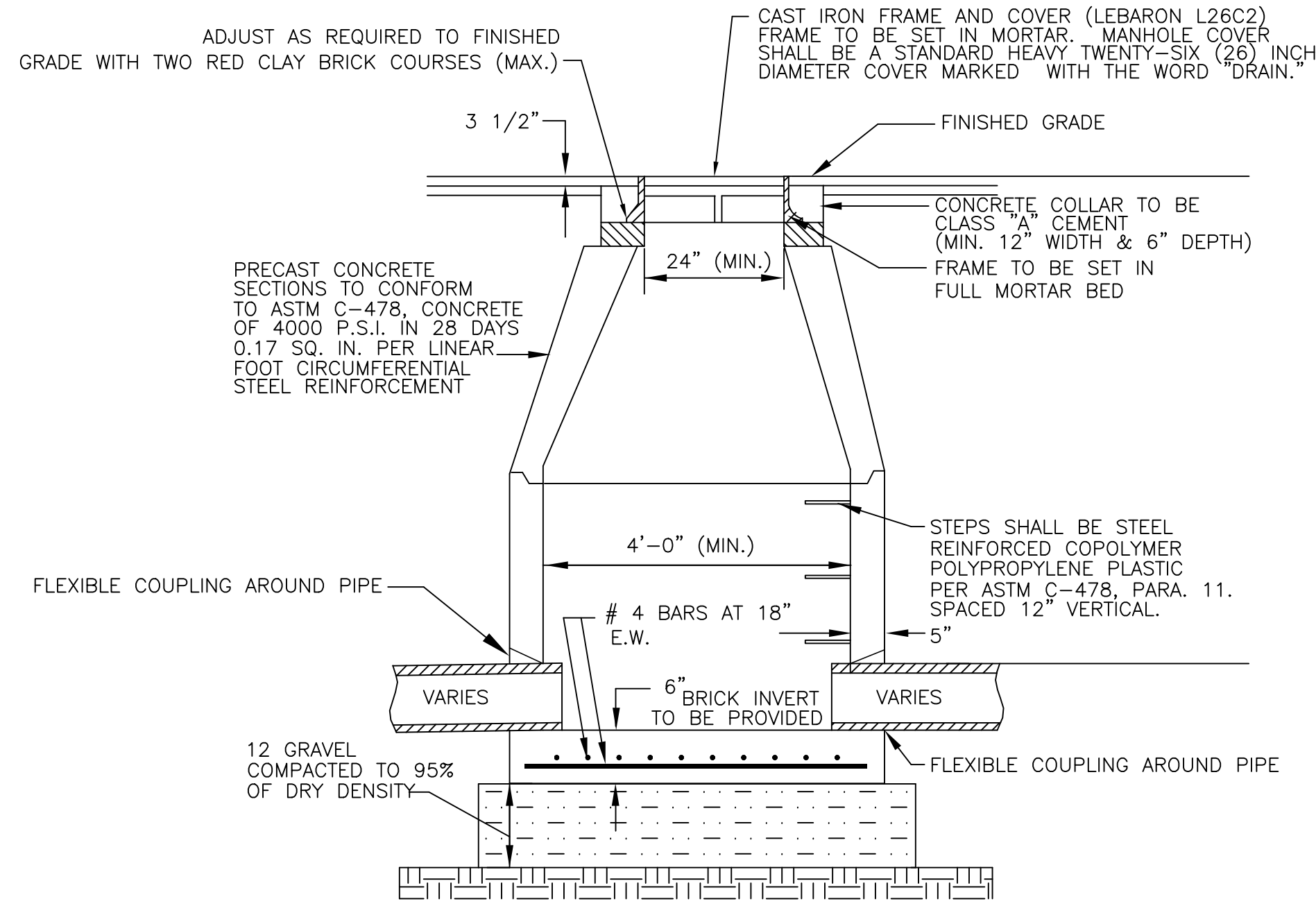
BY:	PGG
DESCRIPTION	REVISOR PER REVIEW AND TOWN COMMENTS
REV. DATE	2/8/2023



PREPARED BY: SAORISE, LLC

PROJECT: 33 NEW DRIFTWAY (PARCELS: 53-5-19 & 53-5-20-A) SCITUATE, MASSACHUSETTS

JOB NO:	15-436
SCALE:	1" = 20'
DESIGN:	PGG
CHK:	GJM
DATE:	7/5/2022
PLAN TITLE:	CONSTRUCTION DETAILS I



STORM DRAIN NOTES:

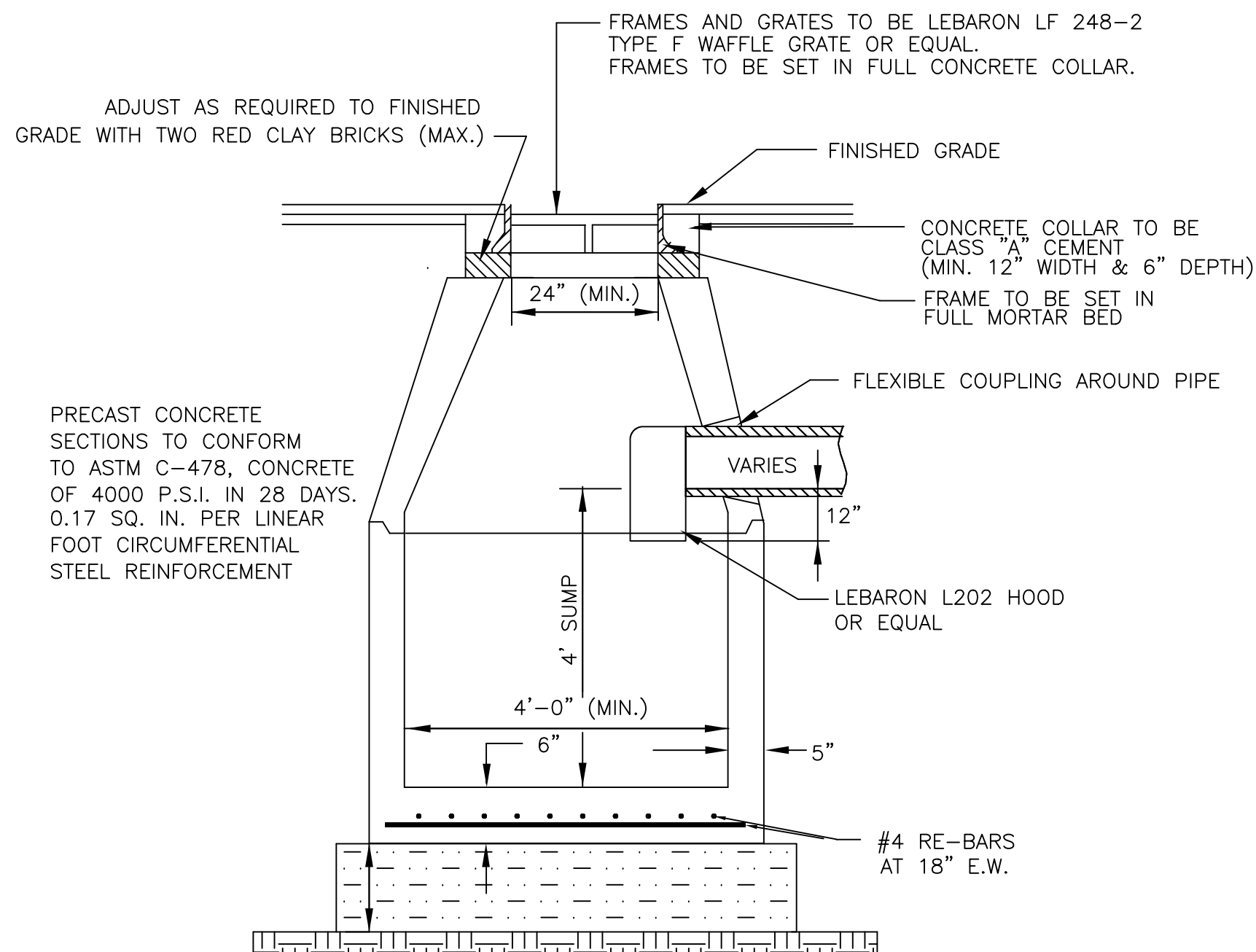
1. REINFORCED CONCRETE DRAIN PIPE SHALL BE CLASS IV UNLESS OTHERWISE NOTED.
2. DRAIN PIPES WITH LESS THAN 3' OF COVER SHALL BE CLASS V HDPE.
3. BACKFILL SHALL BE COMPACTED TO 95% MAXIMUM DRY DENSITY BY AASHTO T-180D METHOD.
4. SHEETING, IF USED, SHALL BE CUT OFF NO MORE THAN 12" ABOVE TOP OF PIPE.
5. UNSUITABLE SOIL BELOW THE INVERT SHALL BE REMOVED AND REPLACED WITH APPROVED MATERIAL AND SHALL NOT BE USED AS BACKFILL.
6. BRICKS SHALL BE RED CLAY.

STANDARD MANHOLE DETAIL

NOT TO SCALE

STORM DRAIN NOTES:

1. REINFORCED CONCRETE DRAIN PIPE SHALL BE CLASS IV UNLESS OTHERWISE NOTED.
2. UNSUITABLE SOIL BELOW THE INVERT SHALL BE REMOVED AND REPLACED WITH APPROVED MATERIAL AND SHALL NOT BE USED AS BACKFILL.
3. BACKFILL SHALL BE COMPACTED TO 95% MAXIMUM DRY DENSITY BY AASHTO T-180D METHOD.
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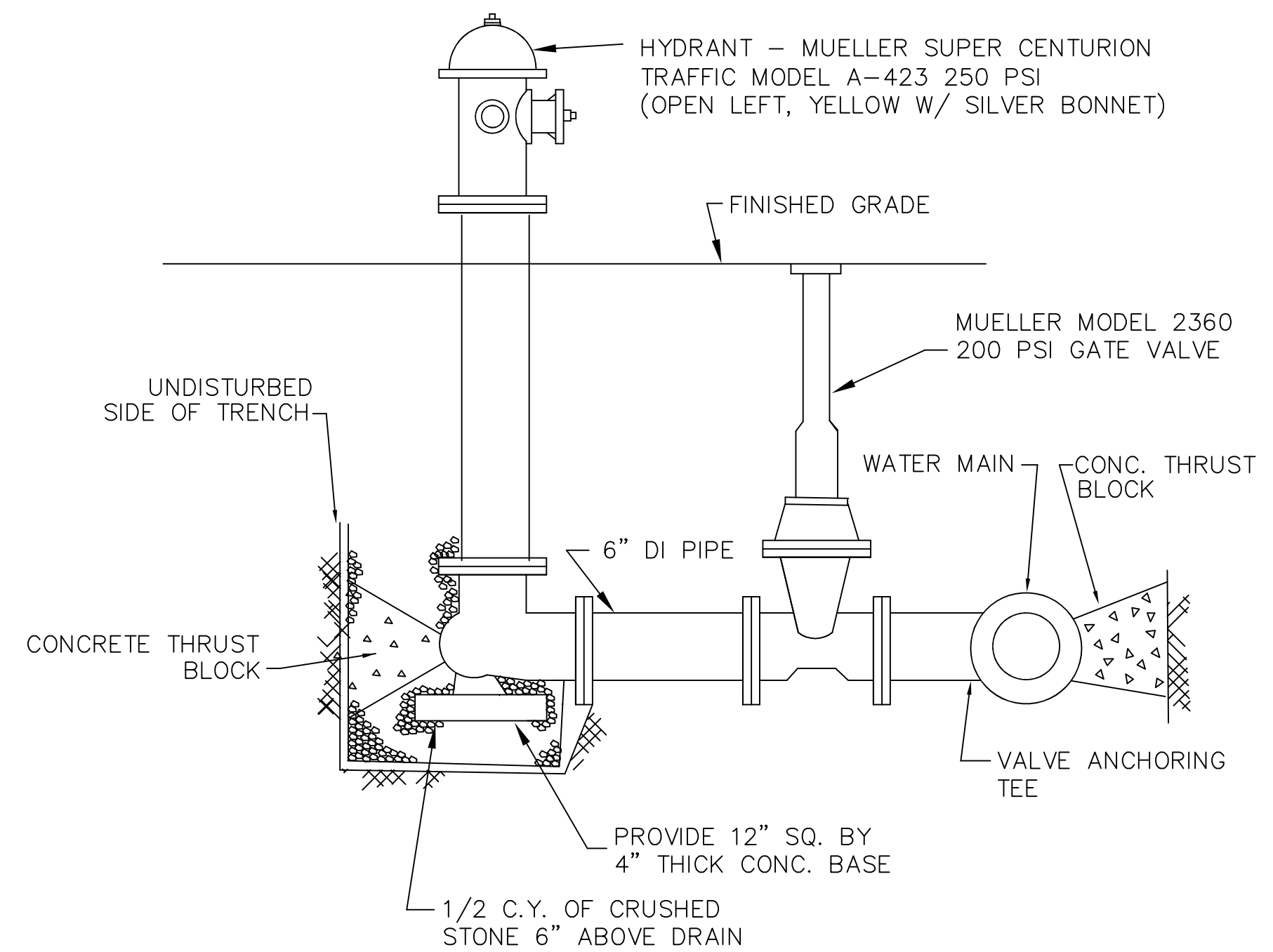


STORM DRAIN NOTES:

1. REINFORCED CONCRETE DRAIN PIPE SHALL BE CLASS IV UNLESS OTHERWISE NOTED.
2. DRAIN PIPES WITH LESS THAN 3' OF COVER SHALL BE CLASS V HDPE.
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4. SHEETING, IF USED, SHALL BE CUT OFF NO MORE THAN 12" ABOVE TOP OF PIPE.
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6. BRICKS SHALL BE RED CLAY.

STANDARD CATCH BASIN DETAIL

NOT TO SCALE

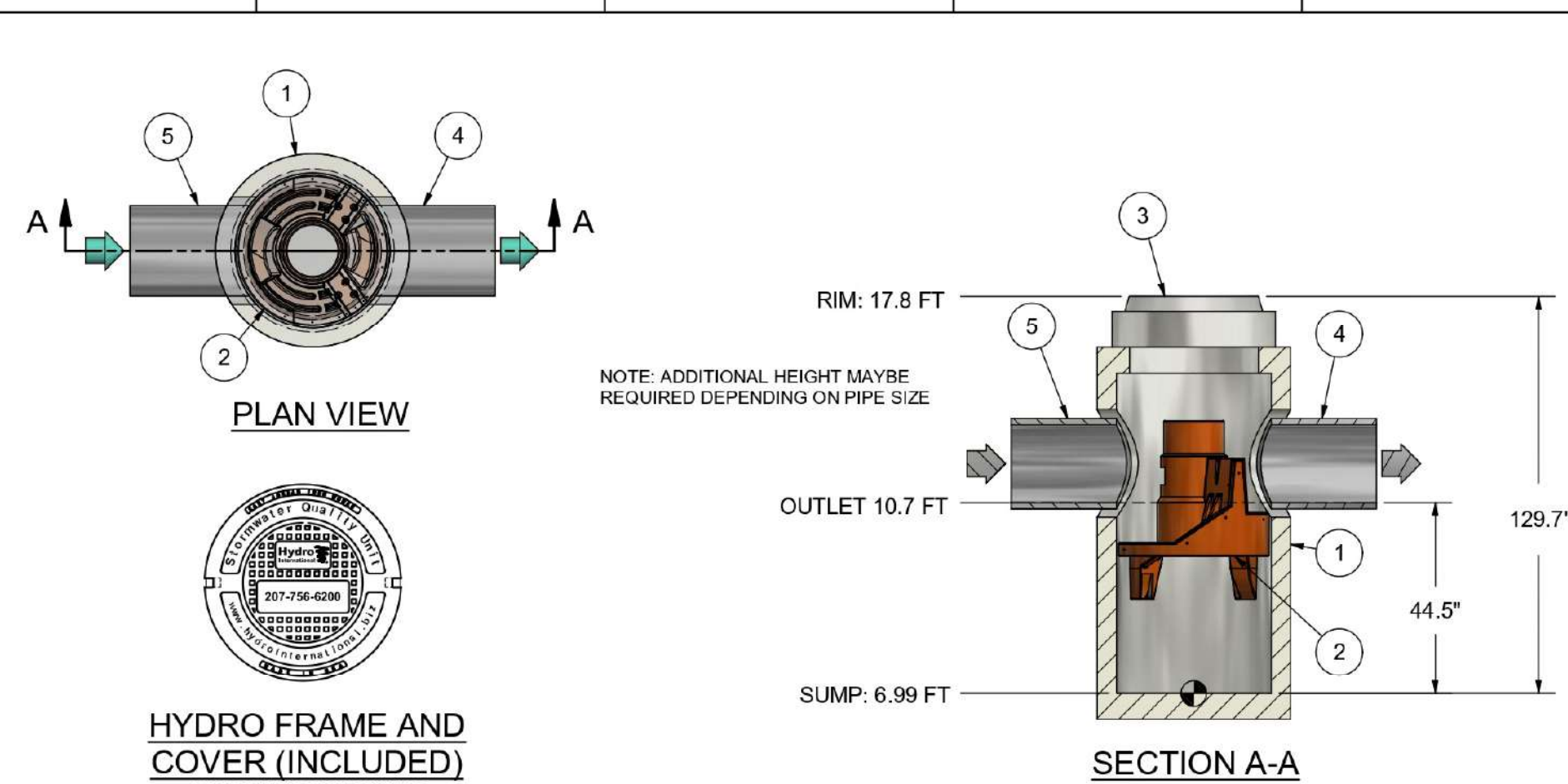


NOTE:

1. ALL WATER COMPONENTS SHALL BE AMERICAN MADE.
2. ALL PIPE, VALVES, AND FITTING SHALL BE POLYETHYLENE BASED.
3. ALL JOINTS SHALL BE RESTRAINED MECHANICAL SEAL.

HYDRANT DETAIL

NOT TO SCALE



PROJECTION
IF IN DOUBT ASK

- COMMENTS:**
1. MANHOLE WALL AND SLAB THICKNESSES ARE NOT TO SCALE.
 2. CONTRACTOR TO CONFIRM RIM, PIPE INVERTS, PIPE DIA. AND PIPE ORIENTATION PRIOR TO RELEASE OF UNIT TO FABRICATION.

DATE: _____ SCALE: NTS
 DRAWN BY: ER CHECKED BY: _____ APPROVED BY: _____
 TITLE: 3 FT FIRST DEFENSE® HIGH CAPACITY
 SIB: 33 New Driftway

ITEM	DESCRIPTION	SIZE (in)
1	I.D. PRECAST MANHOLE	36
2	INTERNAL COMPONENTS (PRE-INSTALLED)	
3	FRAME AND COVER (ROUND)	30
4	OUTLET PIPE (BY OTHERS)	12
5	INLET PIPE (BY OTHERS)	12

HYDRO INTERNATIONAL
 HYDRO INTL/INTL/INTL
 SHEET SIZE: 1 OF 1
 DATE: 2/1/2023

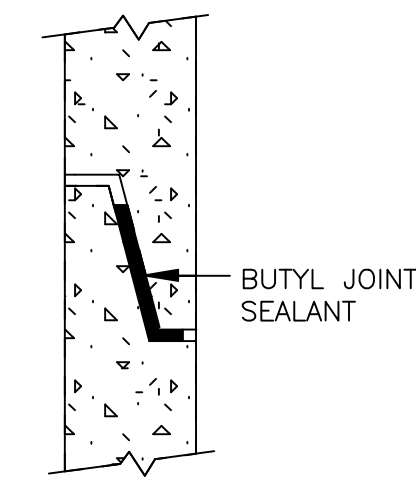
- PRODUCT SPECIFICATION:**
1. PEAK HYDRAULIC FLOW: 15,002 cfs
 2. MIN SEDIMENT STORAGE CAPACITY: 0.4 yd³
 3. OIL STORAGE CAPACITY: 125 gal
 4. MAXIMUM INLET/OUTLET PIPE DIAMETERS: 18 in. (450 mm)
 5. THE TREATMENT SYSTEM SHALL USE AN INDUCED VORTEX TO SEPARATE POLLUTANTS FROM STORMWATER RUNOFF.

- GENERAL NOTES:**
1. General Arrangement drawings only. Contact Hydro International for site specific drawings.
 2. Inlet/outlet pipe angle can vary to align with drainage network (refer to project plan).
 3. Peak flow rate and minimum height limited by available cover and pipe diameter.

ANY WARRANTY GIVEN BY HYDRO INTERNATIONAL WILL APPLY ONLY TO THOSE ITEMS SUPPLIED BY IT. ACCORDINGLY HYDRO INTERNATIONAL CANNOT ACCEPT ANY RESPONSIBILITY FOR ANY STRUCTURE, PLANT, OR EQUIPMENT, OR THE PERFORMANCE THERE OF, DESIGNED, BUILT, MANUFACTURED, OR SUPPLIED BY ANY THIRD PARTY. HYDRO INTERNATIONAL, HAVE A POLICY OF CONTINUED DEVELOPMENT AND RESERVE THE RIGHT TO MODIFY THE PERFORMANCE OF ITS EQUIPMENT, OR ANY PART THEREOF, IF THE EQUIPMENT IS SUBJECT TO CORRECT FROM OUTSIDE ANY DESIGN SPECIFICATION. HYDRO INTERNATIONAL OWNS THE COPYRIGHT OF THIS DRAWING, WHICH IS SUPPLIED IN CONFIDENCE. IT MUST NOT BE USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT IS SUPPLIED AND MUST NOT BE REPRODUCED, IN WHOLE OR IN PART, WITHOUT PRIOR PERMISSION IN WRITING FROM HYDRO INTERNATIONAL.

HYDRO-INTERNATIONAL 3'DIA. FIRST DEFENSE

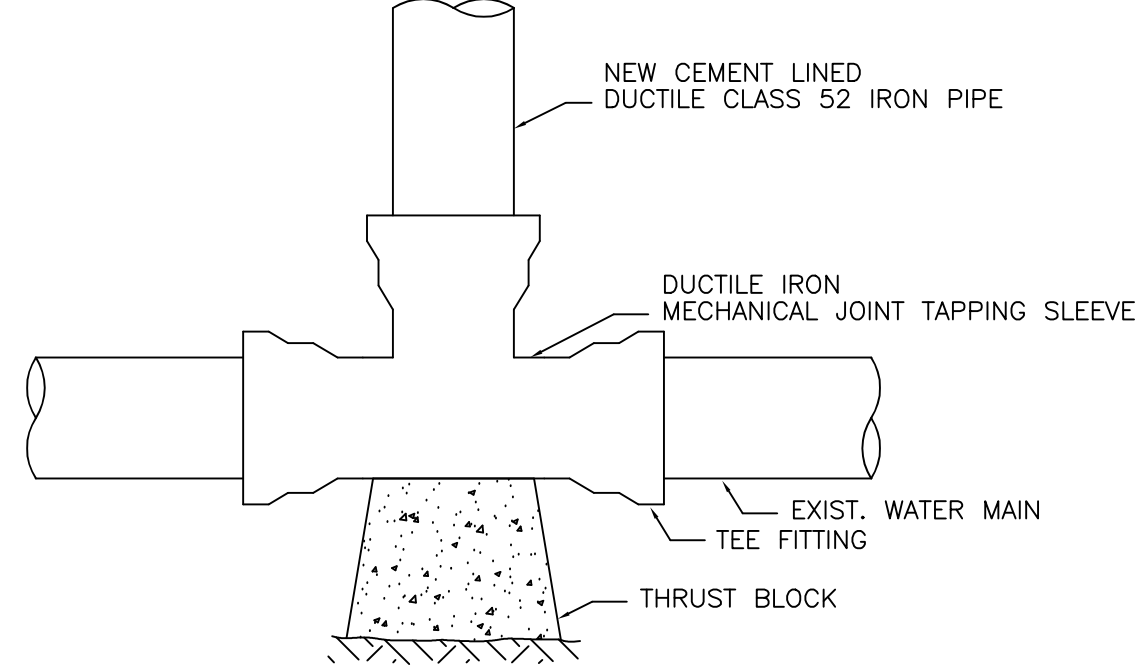
NOT TO SCALE



PREFORMED FLEXIBLE JOINT SEALANT

MANHOLE JOINT DETAILS

SCALE: N.T.S.

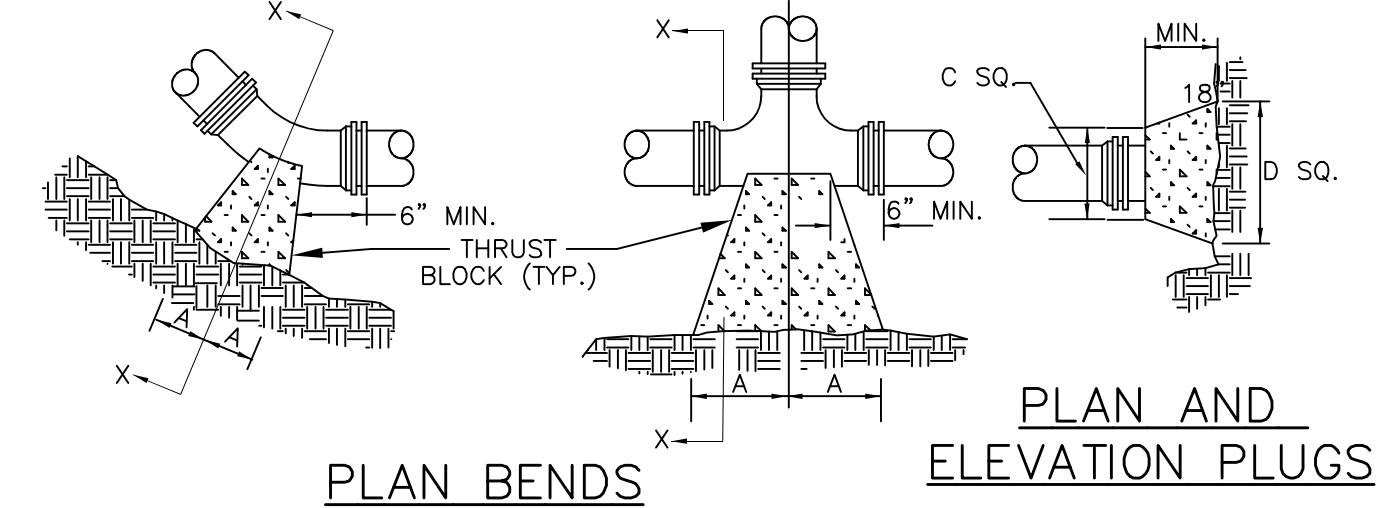


NOTE:

1. ALL WATER COMPONENTS SHALL BE AMERICAN MADE.
2. ALL WATER COMPONENTS TO COMPLY WITH SCITUATE WATER SPECIFICATIONS.

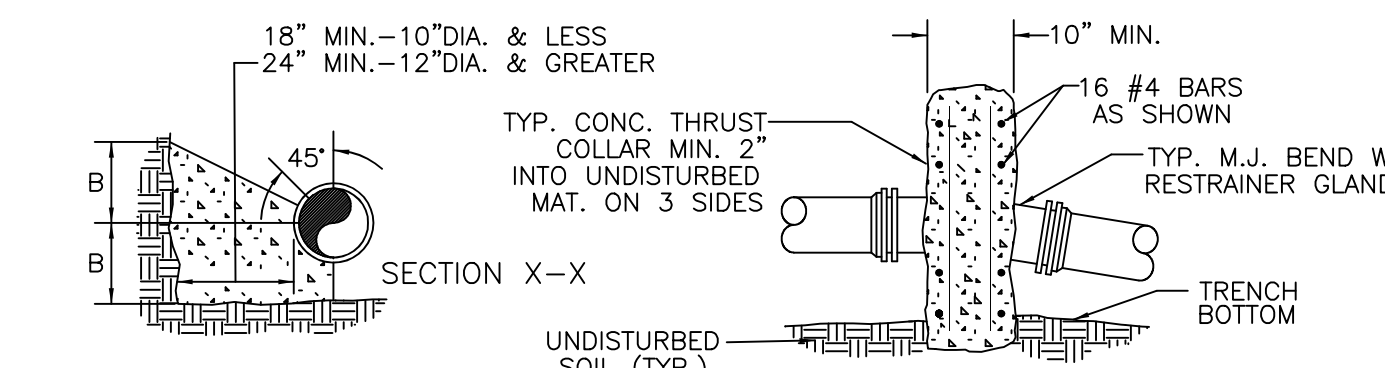
TEE CONNECTION DETAIL

NOT TO SCALE



PLAN BENDS

ELEVATION PLUGS



BENDS AND TEES

SECTION OF VERTICAL BEND

NOTES:

1. ALL WATER MAIN FITTINGS, BENDS, TEES, PLUGS ETC. SHALL BE RESTRAINED WITH THRUST BLOCKS UNLESS OTHERWISE NOTED.
2. ALL THRUST BLOCK & SUPPORT CONC. SHALL BE 3000 PSI READY MIX CONC.
3. ALL THRUST BLOCKS & SUPPORT CONC. SHALL BE INSTALLED TO BEAR AGAINST UNDISTURBED EARTH.
4. CONCRETE SHALL BE KEPT CLEAR OF MECHANICAL JOINTS.
5. ALL WATER MAIN FITTINGS, BENDS, TEES, PLUGS ETC. SHALL BE AMERICAN MADE.

PIPE SIZE	90° BEND		45° BEND		22.5° BEND		11.25° BEND		TEE		PLUG	
	A	B	A	B	A	B	A	B	A	B	C	D
4"	8"	12"	8"	8"	6"	6"	6"	6"	11"	9"	10"	6"
6"	18"	12"	8"	10"	8"	8"	8"	8"	11"	10"	12"	18"
8"	18"	13"	10"	10"	8"	8"	8"	8"	11"	12"	12"	24"
10"	20"	16"	12"	14"	8"	12"	8"	12"	14"	16"	16"	30"
12"	20"	16"	12"	14"	8"	12"	8"	12"	14"	16"	16"	30"
16"	26"	20"	16"	18"	11"	13"	11"	13"	18"	20"	20"	36"
24"	82"	42"	62"	30"	44"	22"	22"	16"	82"	42"	82"	42"
30"	185"	42"	100"	42"	52"	42"	40"	30"	185"	42"	185"	42"

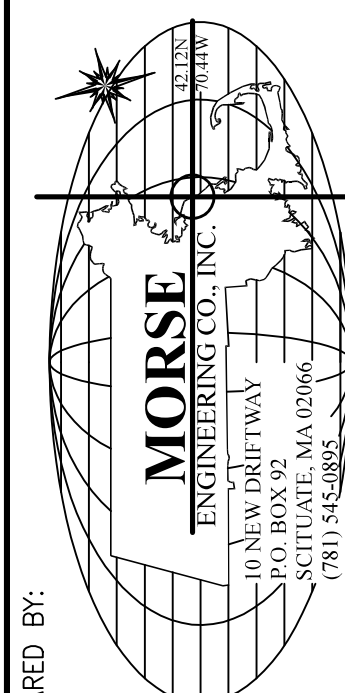
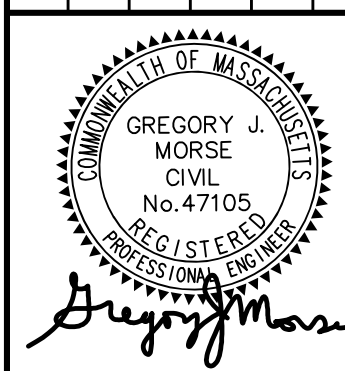
THRUST BLOCK DETAIL

NOT TO SCALE

BY: PGC

DESCRIPTION: REVISED PER PEER REVIEW AND TOWN COMMENTS

REV. DATE: 2/8/2023



PREPARED BY:

PROJECT: 33 NEW DRIFTWAY (PARCELS: 53-5-19 & 53-5-20-A) SCITUATE, MASSACHUSETTS

PREPARED FOR: SAORISE, LLC

JOB NO: 15-436

SCALE: 1" = 20'

DESIGN: PGC

CHK: GJM

DATE: 7/5/2022

PLAN TITLE: CONSTRUCTION DETAILS II

SHEET: 10 OF 12

CULTEC RECHARGER 330XLHD PRODUCT SPECIFICATIONS

- GENERAL**
CULTEC RECHARGER 330XLHD CHAMBERS ARE DESIGNED FOR UNDERGROUND STORMWATER MANAGEMENT. THE CHAMBERS MAY BE USED FOR RETENTION, RECHARGING, DETENTION OR CONTROLLING THE FLOW OF ON-SITE STORMWATER RUNOFF.
- CHAMBER PARAMETERS**
- THE CHAMBERS SHALL BE MANUFACTURED BY CULTEC, INC. OF BROOKFIELD, CT, USA. (203-775-4416 OR 1-800-428-5832)
 - THE CHAMBER SHALL BE VACUUM THERMOFORMED OF HIGH MOLECULAR WEIGHT HIGH DENSITY POLYETHYLENE (HMWHDPE) WITH A BLACK INTERIOR AND BLUE EXTERIOR.
 - THE CHAMBER SHALL BE ARCHED IN SHAPE.
 - THE CHAMBER SHALL BE OPEN-BOTTOMMED.
 - THE CHAMBER SHALL BE JOINED USING AN INTERLOCKING OVERLAPPING RIB METHOD. CONNECTIONS MUST BE FULLY SHOULDERED OVERLAPPING RIBS, HAVING NO SEPARATE COUPLINGS OR SEPARATE END WALLS.
 - THE NOMINAL CHAMBER DIMENSIONS OF THE CULTEC RECHARGER 330XLHD SHALL BE 30.5 INCHES (775 mm) TALL, 52 INCHES (1321 mm) WIDE AND 8.5 FEET (2.59 m) LONG. THE INSTALLED LENGTH OF A JOINED RECHARGER 330XLHD SHALL BE 7 FEET (2.13 m).
 - MAXIMUM INLET OPENING OF THE CHAMBER ENDWALL IS 24 INCHES (600 mm) HDPE.
 - THE CHAMBER SHALL HAVE TWO SIDE PORTALS TO ACCEPT CULTEC HVLV FC-24 FEED CONNECTORS TO CREATE AN INTERNAL MANIFOLD. THE NOMINAL DIMENSIONS OF EACH SIDE PORTAL SHALL BE 10.5 INCHES (267 mm) HIGH BY 11.5 INCHES (292 mm) WIDE. MAXIMUM ALLOWABLE OUTER DIAMETER (O.D.) PIPE SIZE IN THE SIDE PORTAL IS 11.75 INCHES (298 mm).
 - THE NOMINAL CHAMBER DIMENSIONS OF THE CULTEC HVLV FC-24 FEED CONNECTOR SHALL BE 12 INCHES (305 mm) TALL, 16 INCHES (406 mm) WIDE AND 24.2 INCHES (614 mm) LONG.
 - THE NOMINAL STORAGE VOLUME OF THE RECHARGER 330XLHD CHAMBER SHALL BE 7.459 FT³ / FT (0.693 m³ / m) - WITHOUT STONE. THE NOMINAL STORAGE VOLUME OF A JOINED RECHARGER 330XLHD SHALL BE 52.215 FT³ / UNIT (1.478 m³ / UNIT) - WITHOUT STONE.

- THE NOMINAL STORAGE VOLUME OF THE HVLV FC-24 FEED CONNECTOR SHALL BE 0.913 FT³ / FT (0.085 m³ / m) - WITHOUT STONE.
- THE RECHARGER 330XLHD CHAMBER SHALL HAVE FIFTY-SIX DISCHARGE HOLES BORED INTO THE SIDE WALLS OF THE UNITS CORE TO PROMOTE LATERAL CONVEYANCE OF WATER.
- THE RECHARGER 330XLHD CHAMBER SHALL HAVE 16 CORRUGATIONS.
- THE ENDWALL OF THE CHAMBER WHEN PRESENT, SHALL BE AN INTEGRAL PART OF THE CONTINUOUSLY FORMED UNIT. SEPARATE END PLATES CANNOT BE USED WITH THIS UNIT.
- THE RECHARGER 330XLHD STAND ALONE UNIT MUST BE FORMED AS A WHOLE CHAMBER HAVING TWO FULLY FORMED INTEGRAL ENDWALLS AND HAVING NO SEPARATE END PLATES OR SEPARATE END WALLS.
- THE RECHARGER 330XLHD STARTER UNIT MUST BE FORMED AS A WHOLE CHAMBER HAVING ONE FULLY FORMED INTEGRAL ENDWALL AND ONE PARTIALLY FORMED INTEGRAL ENDWALL WITH A LOWER TRANSFER OPENING OF 14 INCHES (356 mm) HIGH X 34.5 INCHES (876 mm) WIDE.
- THE RECHARGER 330XLHD INTERMEDIATE UNIT MUST BE FORMED AS A WHOLE CHAMBER HAVING ONE FULLY OPEN ENDWALL AND ONE PARTIALLY FORMED INTEGRAL ENDWALL WITH A LOWER TRANSFER OPENING OF 14 INCHES (356 mm) HIGH X 34.5 INCHES (876 mm) WIDE.
- THE RECHARGER 330XLHD END UNIT MUST BE FORMED AS A WHOLE CHAMBER HAVING ONE FULLY FORMED INTEGRAL ENDWALL AND ONE FULLY OPEN END WALL AND HAVING NO SEPARATE END PLATES OR END WALLS.
- THE HVLV FC-24 FEED CONNECTOR MUST BE FORMED AS A WHOLE CHAMBER HAVING TWO OPEN END WALLS AND HAVING NO SEPARATE END PLATES OR SEPARATE END WALLS. THE UNIT SHALL FIT INTO THE SIDE PORTALS OF THE RECHARGER 330XLHD AND ACT AS CROSS FEED CONNECTIONS.
- CHAMBERS MUST HAVE HORIZONTAL STIFFENING FLEX REDUCTION STEPS BETWEEN THE RIBS.
- THE CHAMBER SHALL HAVE A 6 INCH (152 mm) DIAMETER RAISED INTEGRAL CAP AT THE TOP OF THE ARCH IN THE CENTER OF EACH UNIT TO BE USED AS AN OPTIONAL INSPECTION PORT OR CLEAN-OUT.
- THE UNITS MAY BE TRIMMED TO CUSTOM LENGTHS BY CUTTING BACK TO ANY CORRUGATION.
- THE CHAMBER SHALL BE MANUFACTURED IN AN ISO 9001:2015 CERTIFIED FACILITY.
- MAXIMUM ALLOWED COVER OVER TOP OF UNIT SHALL BE 12 FEET (3.66 m) THE CHAMBER SHALL BE DESIGNED TO WITHSTAND TRAFFIC LOADS WHEN INSTALLED ACCORDING TO CULTEC'S RECOMMENDED INSTALLATION INSTRUCTIONS.

CULTEC HVLV FC-24 FEED CONNECTOR PRODUCT SPECIFICATIONS

- GENERAL**
CULTEC HVLV FC-24 FEED CONNECTORS ARE DESIGNED TO CREATE AN INTERNAL MANIFOLD FOR CULTEC RECHARGER MODEL 330XLHD STORMWATER CHAMBERS.
- CHAMBER PARAMETERS**
- THE CHAMBERS SHALL BE MANUFACTURED BY CULTEC, INC. OF BROOKFIELD, CT. (203-775-4416 OR 1-800-428-5832)
 - THE CHAMBER SHALL BE VACUUM THERMOFORMED OF HIGH MOLECULAR WEIGHT HIGH DENSITY POLYETHYLENE (HMWHDPE) WITH A BLACK INTERIOR AND BLUE EXTERIOR.
 - THE CHAMBER SHALL BE ARCHED IN SHAPE.
 - THE CHAMBER SHALL BE OPEN-BOTTOMMED.
 - THE NOMINAL CHAMBER DIMENSIONS OF THE CULTEC HVLV FC-24 FEED CONNECTOR SHALL BE 12 INCHES (305 mm) TALL, 16 INCHES (406 mm) WIDE AND 24.2 INCHES (614 mm) LONG.
 - THE NOMINAL STORAGE VOLUME OF THE HVLV FC-24 FEED CONNECTOR SHALL BE 0.913 FT³ / FT (0.085 m³ / m) - WITHOUT STONE.
 - THE HVLV FC-24 FEED CONNECTOR CHAMBER SHALL HAVE 2 CORRUGATIONS.
 - THE HVLV FC-24 FEED CONNECTOR MUST BE FORMED AS A WHOLE CHAMBER HAVING TWO OPEN END WALLS AND HAVING NO SEPARATE END PLATES OR SEPARATE END WALLS. THE UNIT SHALL FIT INTO THE SIDE PORTALS OF THE CULTEC RECHARGER STORMWATER CHAMBER AND ACT AS CROSS FEED CONNECTIONS CREATING AN INTERNAL MANIFOLD.
 - THE CHAMBER SHALL BE DESIGNED TO WITHSTAND TRAFFIC LOADS WHEN INSTALLED ACCORDING TO CULTEC'S RECOMMENDED INSTALLATION INSTRUCTIONS.
 - THE CHAMBER SHALL BE MANUFACTURED IN AN ISO 9001:2015 CERTIFIED FACILITY.

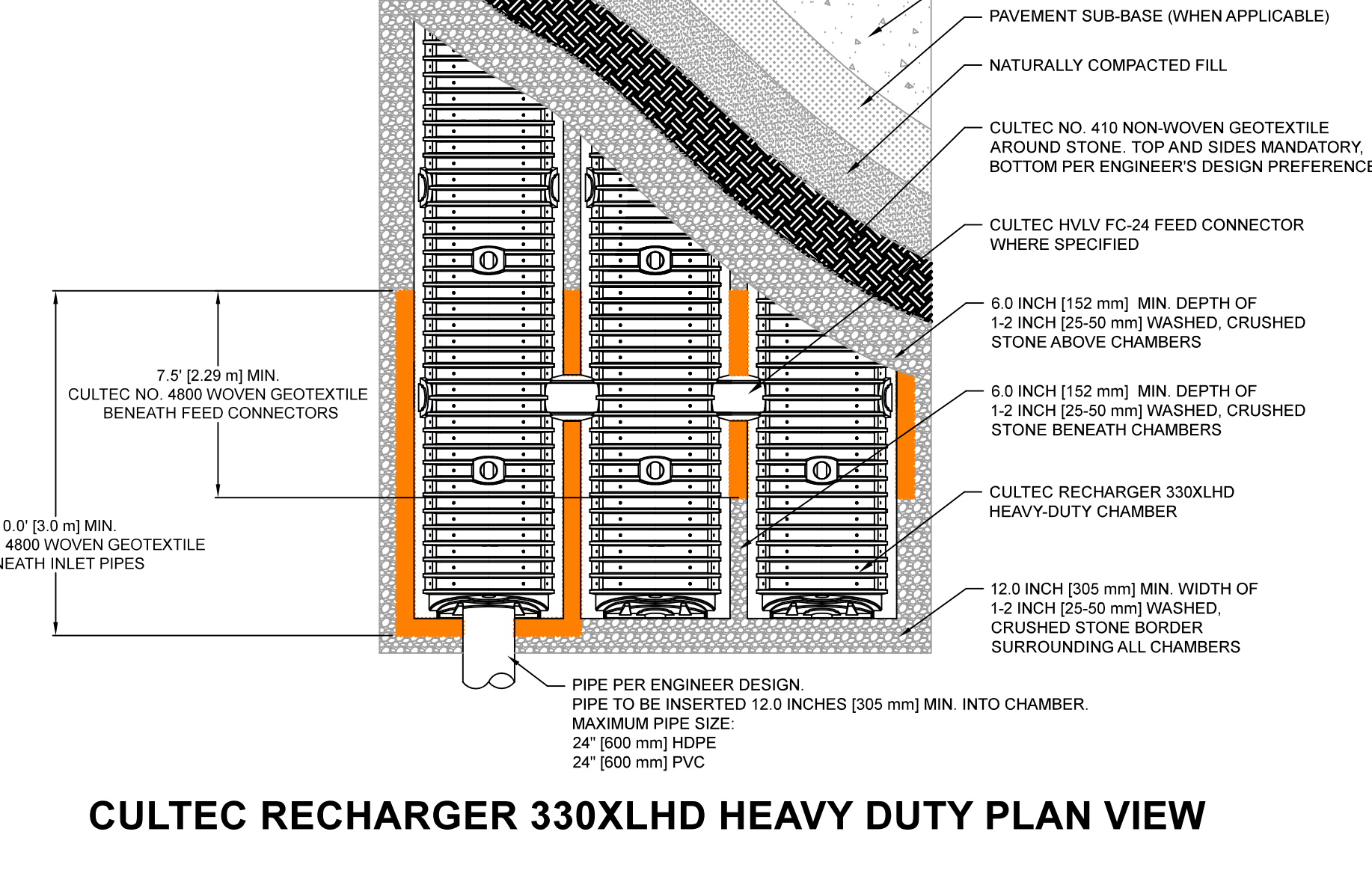
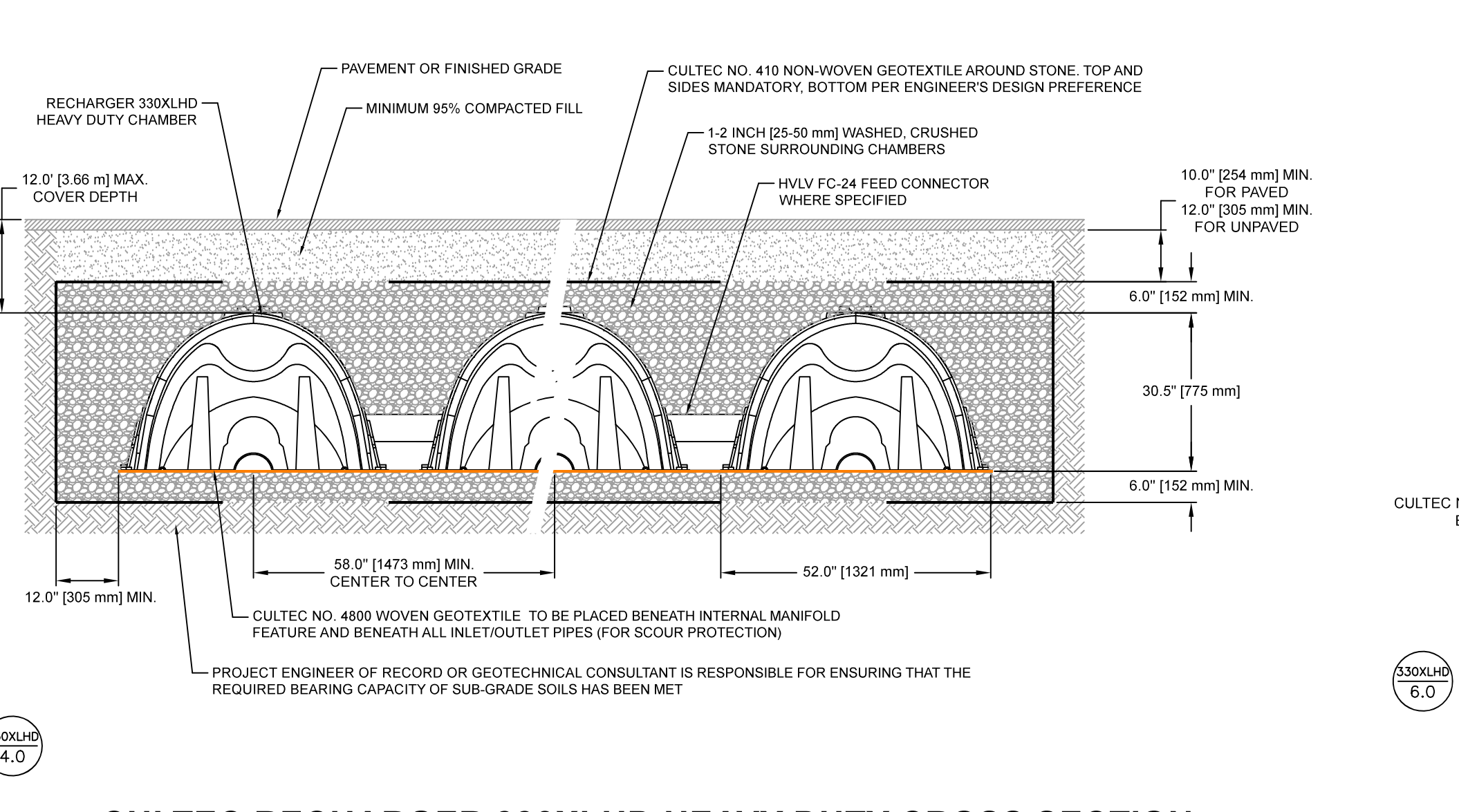
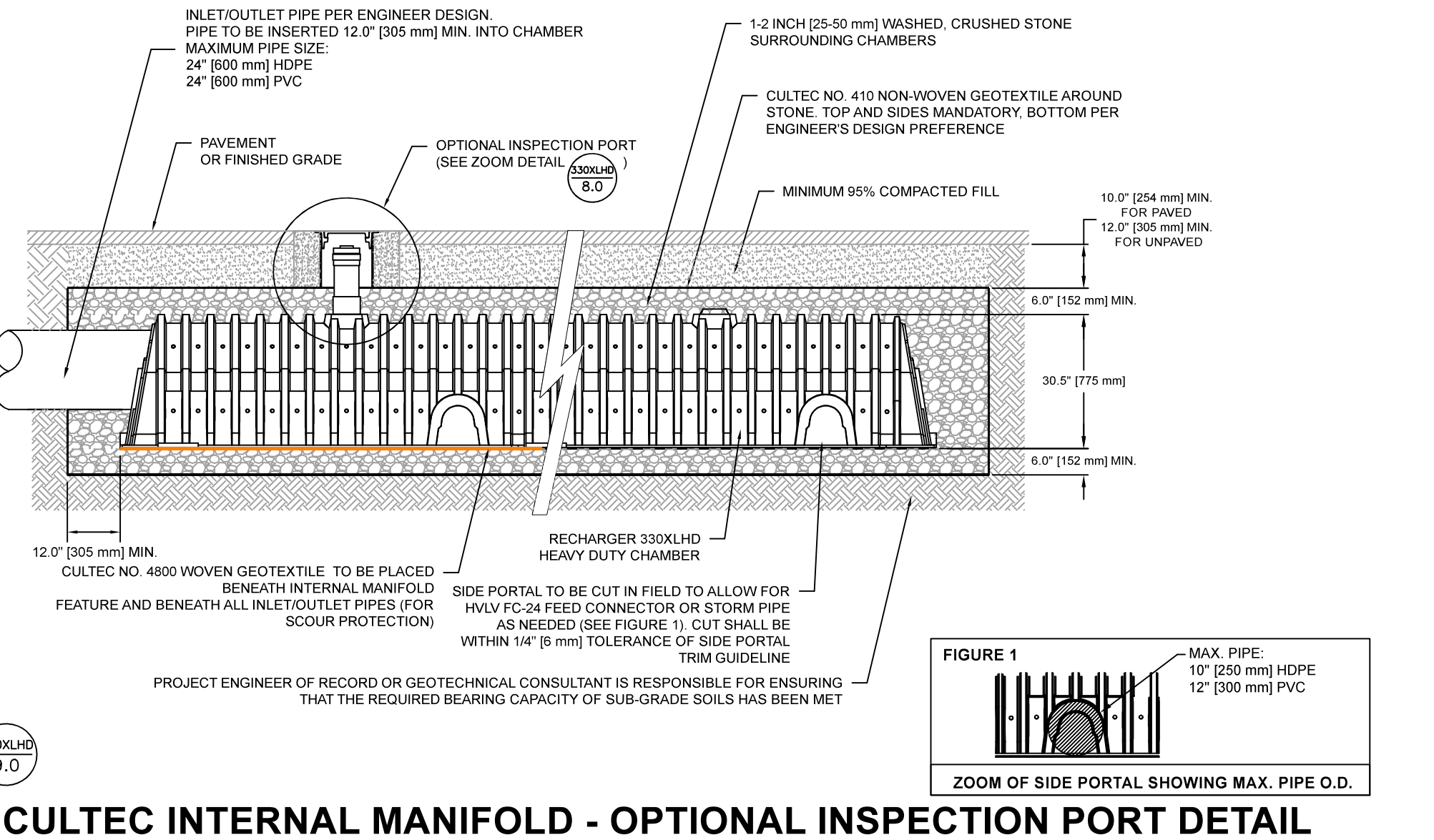
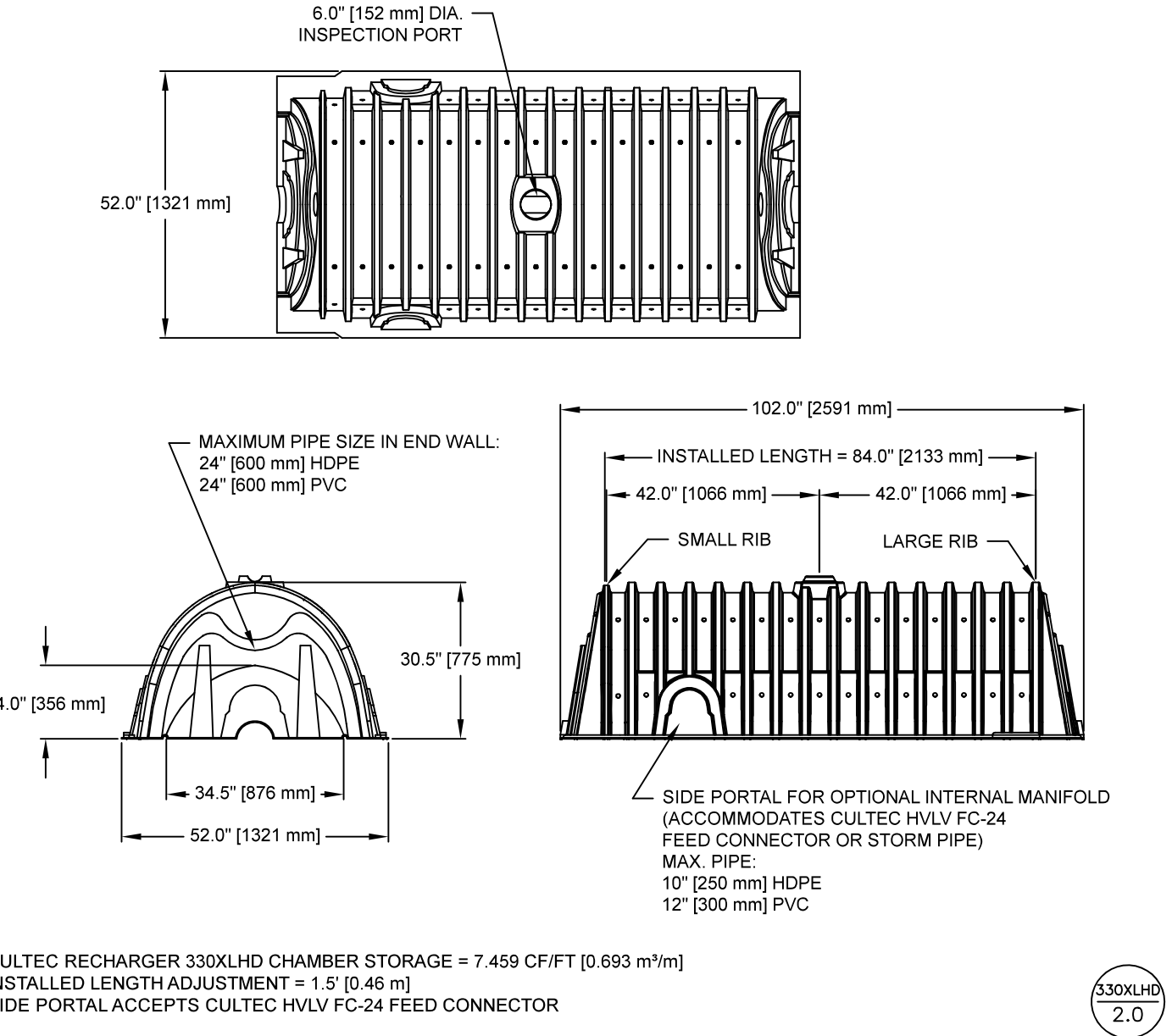
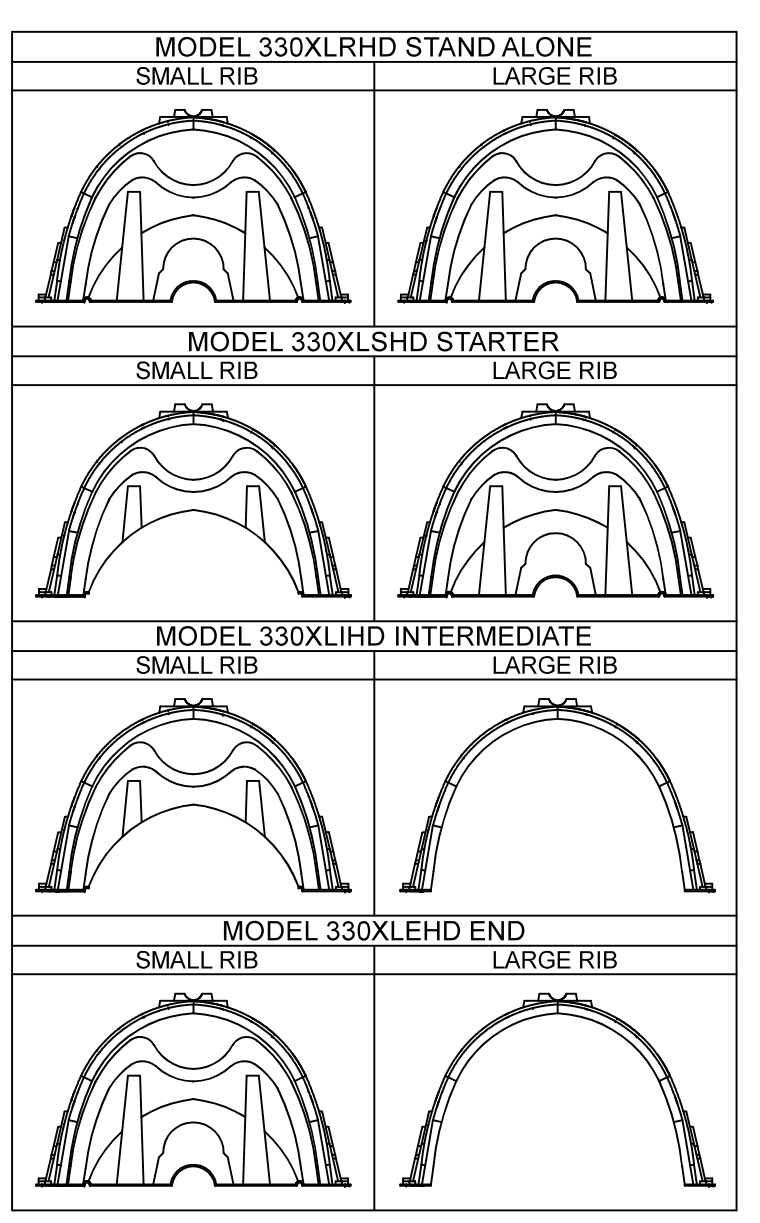
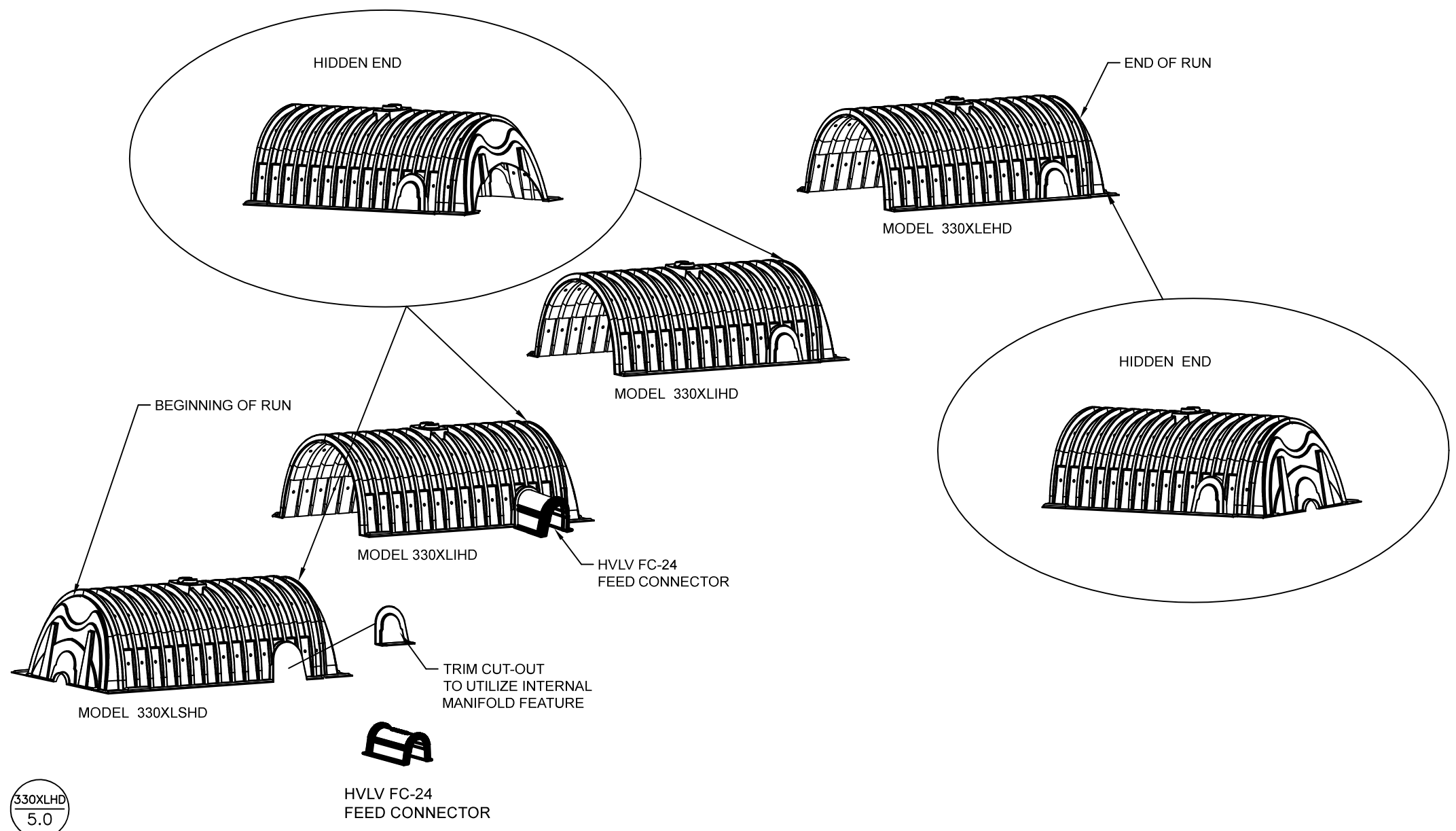
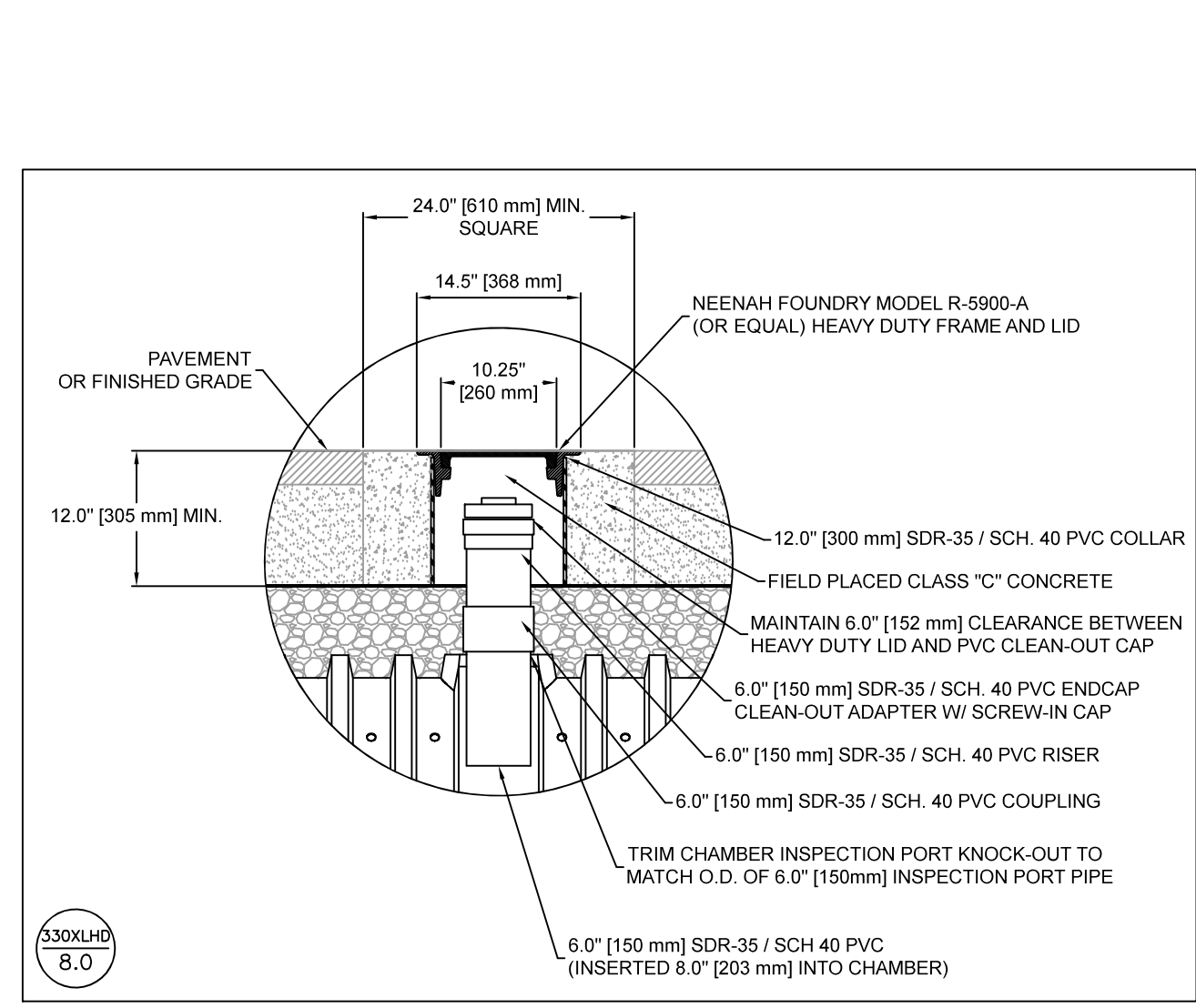
CULTEC NO. 4800™ WOVEN GEOTEXTILE

- CULTEC NO. 4800 WOVEN GEOTEXTILE IS DESIGNED AS AN UNDERLAYMENT TO PREVENT SCOURING CAUSED BY WATER MOVEMENT WITHIN THE CULTEC CHAMBERS AND FEED CONNECTORS UTILIZING THE CULTEC MANIFOLD FEATURE. IT MAY ALSO BE USED AS A COMPONENT OF THE CULTEC SEPARATOR ROW TO ACT AS A BARRIER TO PREVENT SOIL/CONTAMINANT INTRUSION INTO THE STONE WHILE ALLOWING FOR MAINTENANCE.
- GEOTEXTILE PARAMETERS**
- THE GEOTEXTILE SHALL BE PROVIDED BY CULTEC, INC. OF BROOKFIELD, CT. (203-775-4416 OR 1-800-428-5832)
 - THE GEOTEXTILE SHALL BE BLACK IN APPEARANCE.
 - THE GEOTEXTILE SHALL HAVE A TENSILE STRENGTH OF 550 X 550 LBS (2,448 X 2,448 N) PER ASTM D4632 TESTING METHOD.
 - THE GEOTEXTILE SHALL HAVE AN ELONGATION @ BREAK RESISTANCE OF 20 X 20% PER ASTM D4632 TESTING METHOD.
 - THE GEOTEXTILE SHALL HAVE A WIDE WIDTH TENSILE RESISTANCE OF 5,070 X 5,070 LBS/FT (74 X 74 KN/M) PER ASTM D4595 TESTING METHOD.
 - THE GEOTEXTILE SHALL HAVE A WIDE WIDTH TENSILE RESISTANCE @ 2% STRAIN OF 960 X 1,096 LBS/FT (14 X 16 KN/M) PER ASTM D4595 TESTING METHOD.
 - THE GEOTEXTILE SHALL HAVE A WIDE WIDTH TENSILE RESISTANCE @ 5% STRAIN OF 2,740 X 2,740 LBS/FT (40 X 40 KN/M) PER ASTM D4595 TESTING METHOD.
 - THE GEOTEXTILE SHALL HAVE A WIDE WIDTH TENSILE RESISTANCE @ 10% STRAIN OF 4,800 X 4,800 LBS/FT (70 X 70 KN/M) PER ASTM D4595 TESTING METHOD.
 - THE GEOTEXTILE SHALL HAVE A CBR PUNCTURE RESISTANCE OF 1,700 LBS (7,560 N) PER ASTM D6241 TESTING METHOD.
 - THE GEOTEXTILE SHALL HAVE A TRAPEZOIDAL TEAR RESISTANCE OF 180 X 180 LBS (801 X 801 N) PER ASTM D4533 TESTING METHOD.
 - THE GEOTEXTILE SHALL HAVE AN APPARENT OPENING SIZE OF 40 US STD. SIEVE (0.425 MM) PER ASTM D4751 TESTING METHOD.
 - THE GEOTEXTILE SHALL HAVE A WATER FLOW RATING OF 11.5 GPM/FT² (470 LPM/M²) PER ASTM D4911 TESTING METHOD.
 - THE GEOTEXTILE SHALL HAVE A PERMITTIVITY RATING OF 0.15 SEC-1 PER ASTM D4991 TESTING METHOD.
 - THE GEOTEXTILE SHALL HAVE A UV RESISTANCE OF 80% @ 500 HRS. PER ASTM D4355 TESTING METHOD.

CULTEC NO. 410™ NON-WOVEN GEOTEXTILE

- CULTEC NO. 410™ NON-WOVEN GEOTEXTILE MAY BE USED WITH CULTEC CONTACTOR® AND RECHARGER® STORMWATER INSTALLATIONS TO PROVIDE A BARRIER THAT PREVENTS SOIL INTRUSION INTO THE STONE.
- GEOTEXTILE PARAMETERS**
- THE GEOTEXTILE SHALL BE PROVIDED BY CULTEC, INC. OF BROOKFIELD, CT. (203-775-4416 OR 1-800-428-5832)
 - THE GEOTEXTILE SHALL BE BLACK IN APPEARANCE.
 - THE GEOTEXTILE SHALL HAVE A TYPICAL WEIGHT OF 4.5 OZ/SY (142 G/M).
 - THE GEOTEXTILE SHALL HAVE A TENSILE STRENGTH VALUE OF 120 LBS (533 N) PER ASTM D4632 TESTING METHOD.
 - THE GEOTEXTILE SHALL HAVE AN ELONGATION @ BREAK VALUE OF 50% PER ASTM D4632 TESTING METHOD.
 - THE GEOTEXTILE SHALL HAVE A MULLEN BURST VALUE OF 225 PSI (1551 KPA) PER ASTM D3786 TESTING METHOD.
 - THE GEOTEXTILE SHALL HAVE A PUNCTURE STRENGTH VALUE OF 65 LBS (289 N) PER ASTM D4633 TESTING METHOD.
 - THE GEOTEXTILE SHALL HAVE A CBR PUNCTURE VALUE OF 340 LBS (1513 N) PER ASTM D6241 TESTING METHOD.
 - THE GEOTEXTILE SHALL HAVE A TRAPEZOID TEAR VALUE OF 50 LBS (222 N) PER ASTM D4533 TESTING METHOD.
 - THE GEOTEXTILE SHALL HAVE A AOS VALUE OF 70 U.S. SIEVE (0.212 MM) PER ASTM D4751 TESTING METHOD.
 - THE GEOTEXTILE SHALL HAVE A PERMITTIVITY VALUE OF 1.7 SEC-1 PER ASTM D4991 TESTING METHOD.
 - THE GEOTEXTILE SHALL HAVE A WATER FLOW RATE VALUE OF 1.75 GAL/MIN/5F (5500 L/MIN/SM) PER ASTM D4991 TESTING METHOD.
 - THE GEOTEXTILE SHALL HAVE A UV STABILITY @ 500 HOURS VALUE OF 70% PER ASTM D4355 TESTING METHOD.

GENERAL NOTES



BY: PGC

REVISIONS: REVIEW AND TOWN COMMENTS

REV. DATE: 2/8/2023

PREPARED BY: GREGORY J. MORSE, CIVIL ENGINEER, No. 47105, REGISTERED PROFESSIONAL ENGINEER

PROJECT: 33 NEW DRIFTWAY (PARCELS: 53-5-19 & 53-5-20-A) SCITUATE, MASSACHUSETTS

PREPARED FOR: SAIRSE, LLC

JOB NO: 15-436

SCALE: 1" = 20'

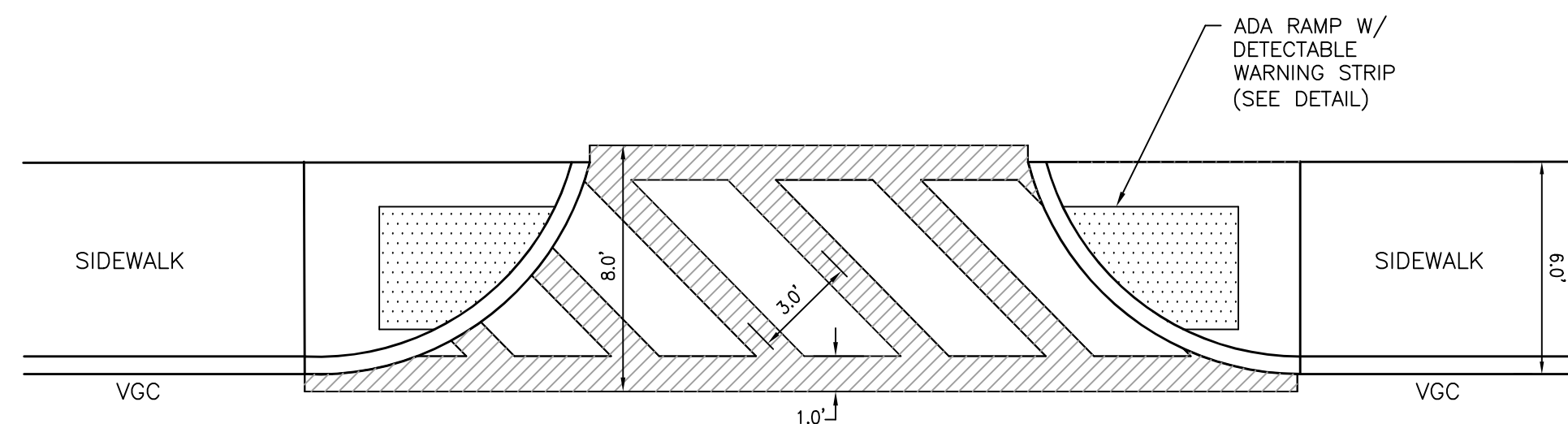
DESIGN: PGC

CHK: GJM

DATE: 7/5/2022

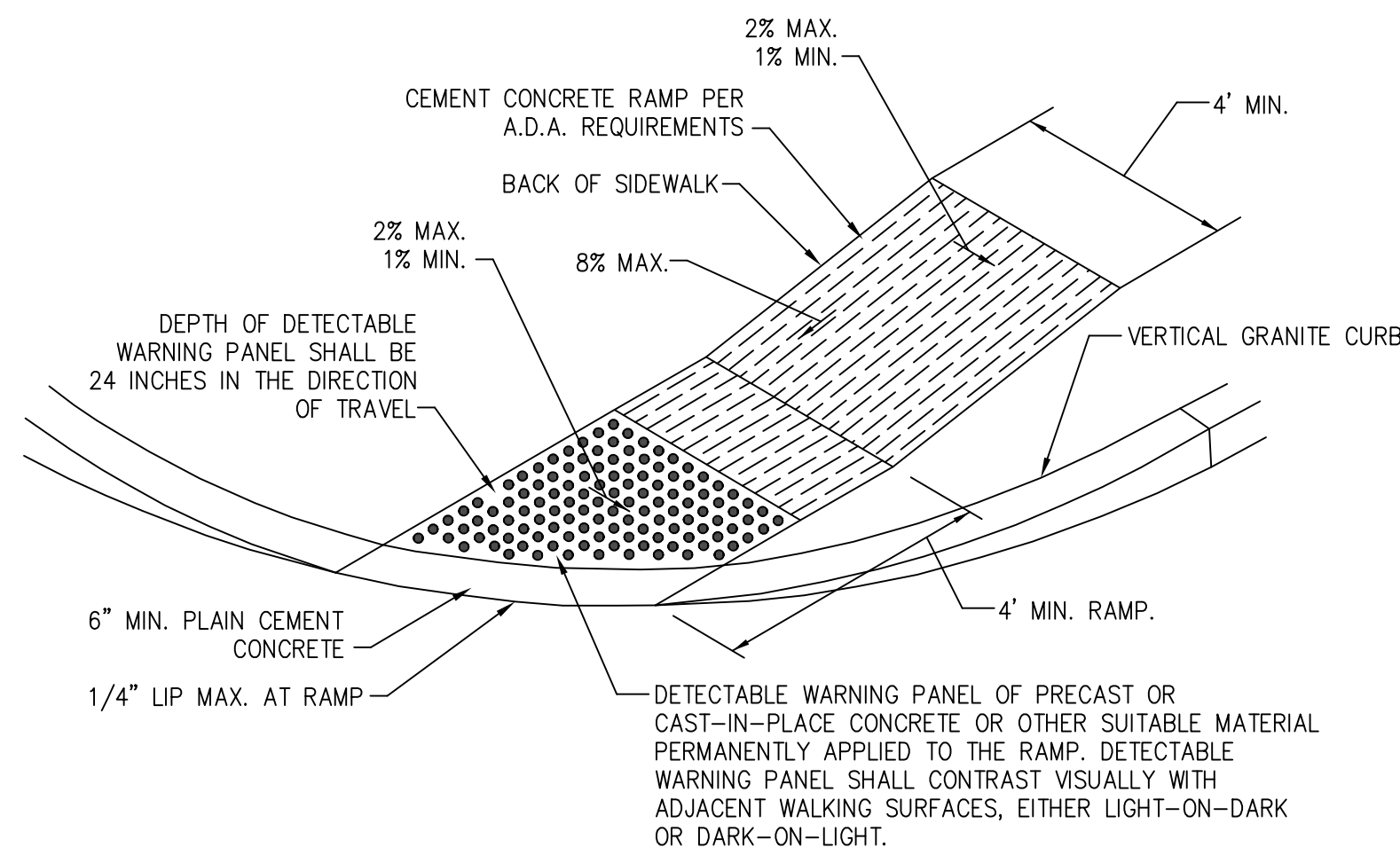
PLAN TITLE: CONSTRUCTION DETAILS III

SHEET: 11 OF 12

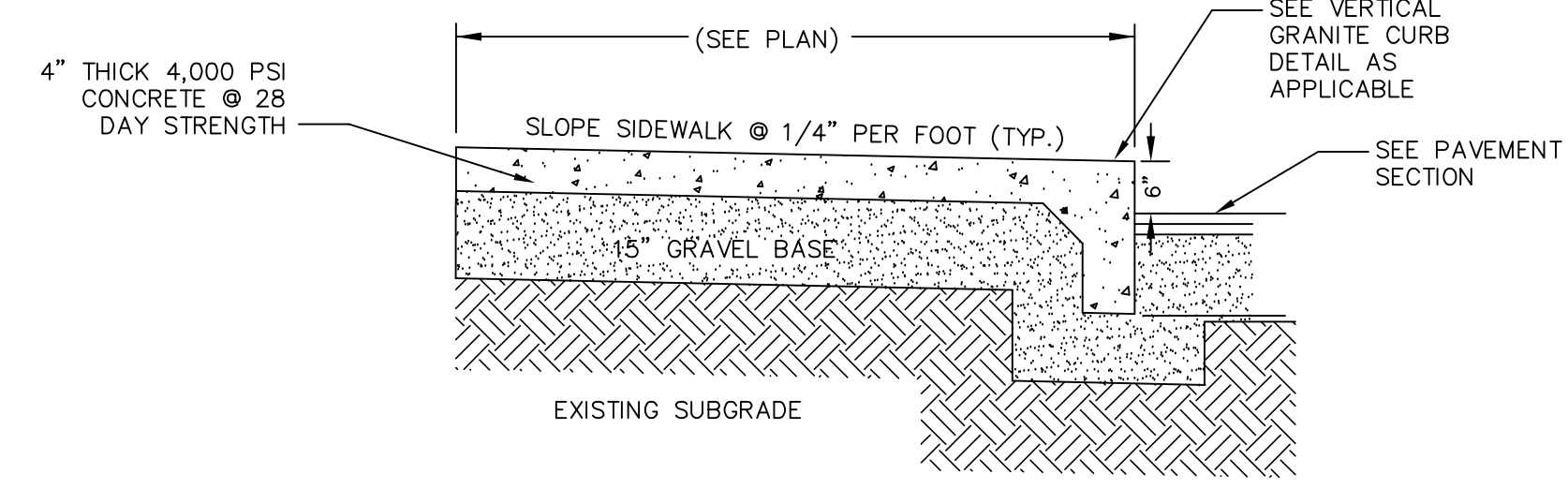


NOTES:
1. CROSSWALK DESIGNED TO BE CONSISTENT WITH OTHERS ON NEW DRIFTWAY.

CROSS WALK DETAIL
NOT TO SCALE

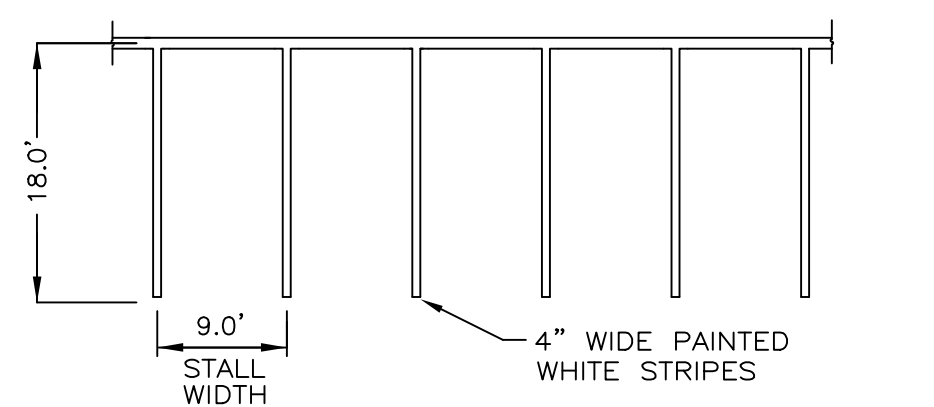


ACCESSIBLE RAMP DETAIL
NOT TO SCALE

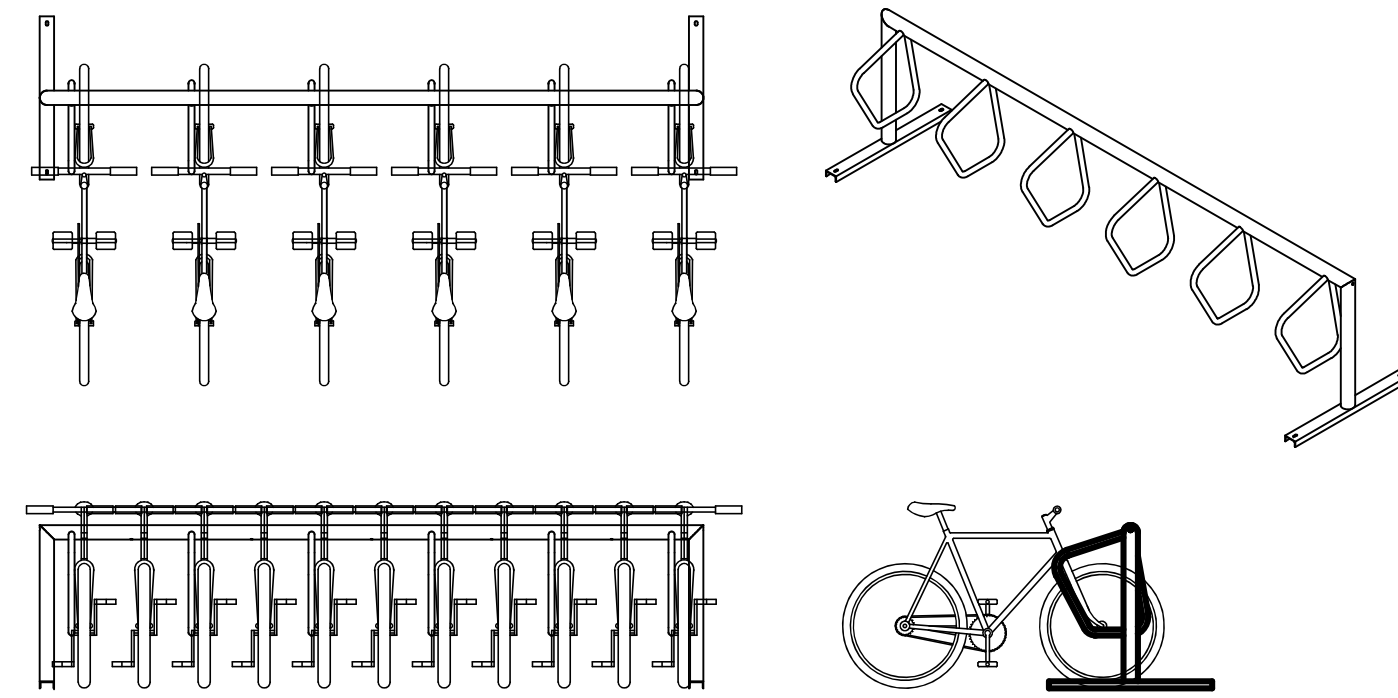


NOTES:
1. SIDEWALK TO HAVE SCORED JOINTS 4.5' O.C. (TYP.) WITH EXPANSION JOINTS 18' ON CENTER AND PREFORMED JOINT FILLER, CAULKED AT THE SURFACE WITH APPROVED FILLER.
2. TOOLED JOINT 4\"/>

CAST IN PLACE CONCRETE SIDEWALK & CURB DETAIL (CIP)
NOT TO SCALE

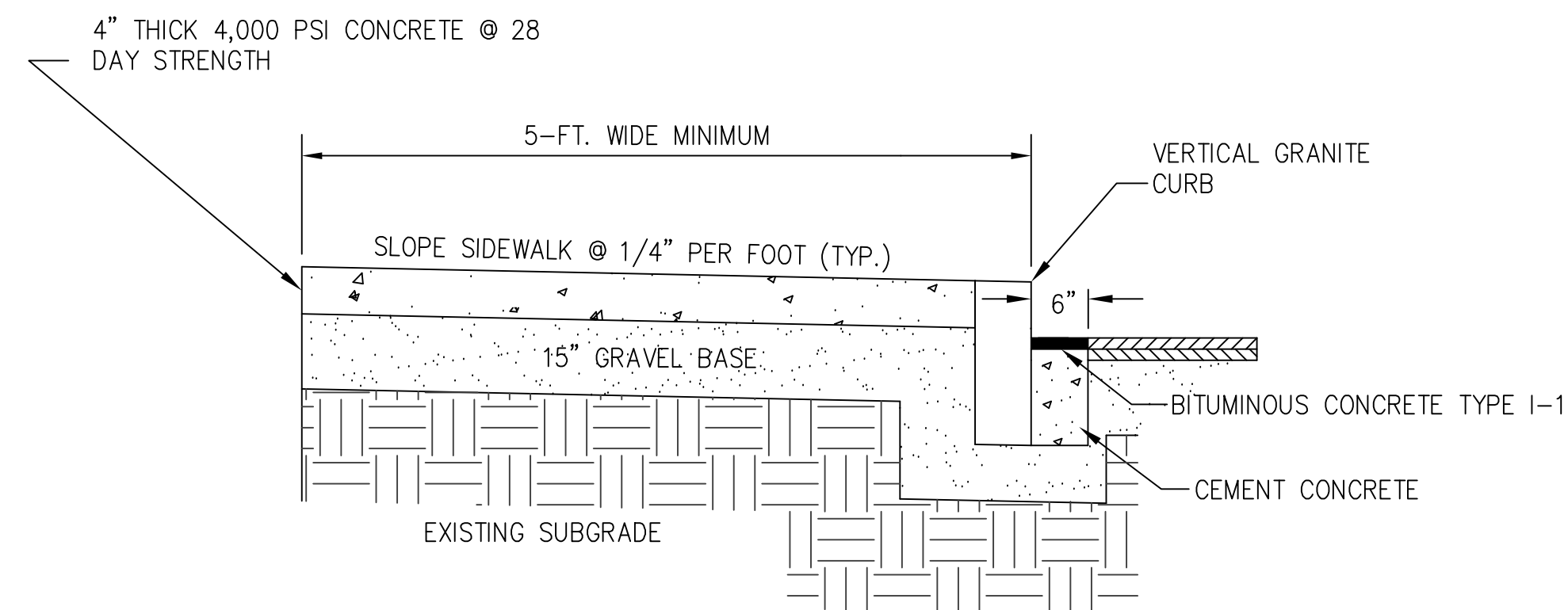


STANDARD PARKING STRIPING DETAIL
NOT TO SCALE



NOTES:
1. BIKE RACK TO BE PLACED ON CONCRETE PAD.

BIKE RACK DETAIL (TYP.)
NOT TO SCALE



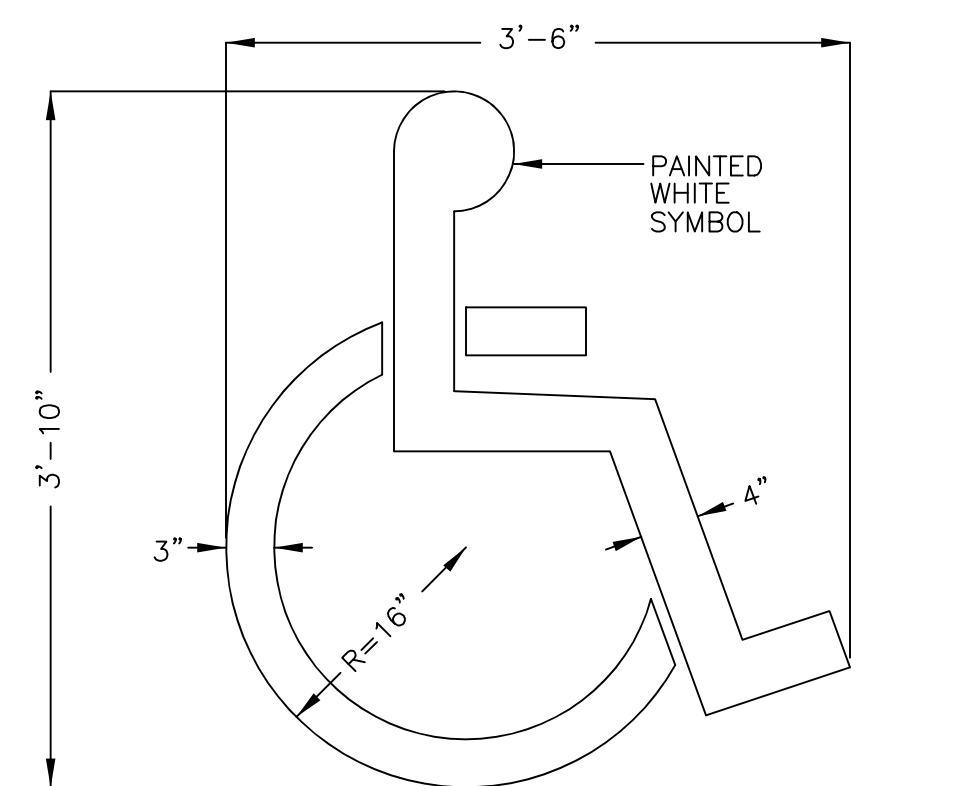
NOTES:
1. SIDEWALK TO HAVE SCORED JOINTS 4.5' O.C. (TYP.) WITH EXPANSION JOINTS 18' ON CENTER AND PREFORMED JOINT FILLER, CAULKED AT THE SURFACE WITH APPROVED FILLER.
2. SEE PLAN FOR ELEVATIONS AT CURB CURB CONSTRUCTION.
3. CUT NEAT LINE 6\"/>

CONCRETE SIDEWALK DETAIL AT STREET
NOT TO SCALE

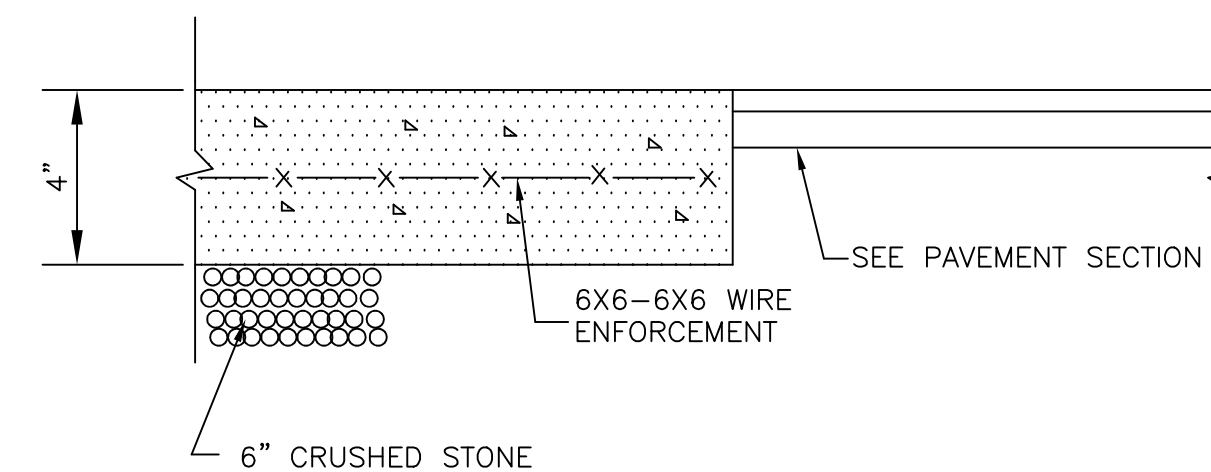
SIGN LEGEND

M.U.T.C.D. LEGEND	WIDTH	HEIGHT	SYMBOL
R1-1	30"	30"	STOP
R5-1	30"	30"	DO NOT ENTER
R6-1L	36"	12"	ONE WAY (Left Arrow)
R6-1R	36"	12"	ONE WAY (Right Arrow)
K-4438	12"	18"	HANDICAP ACCESS AISLE NO PARKING
K-6248	12"	18"	NO PARKING VAN ACCESS ONLY
K-1437	12"	18"	PARKING ONLY

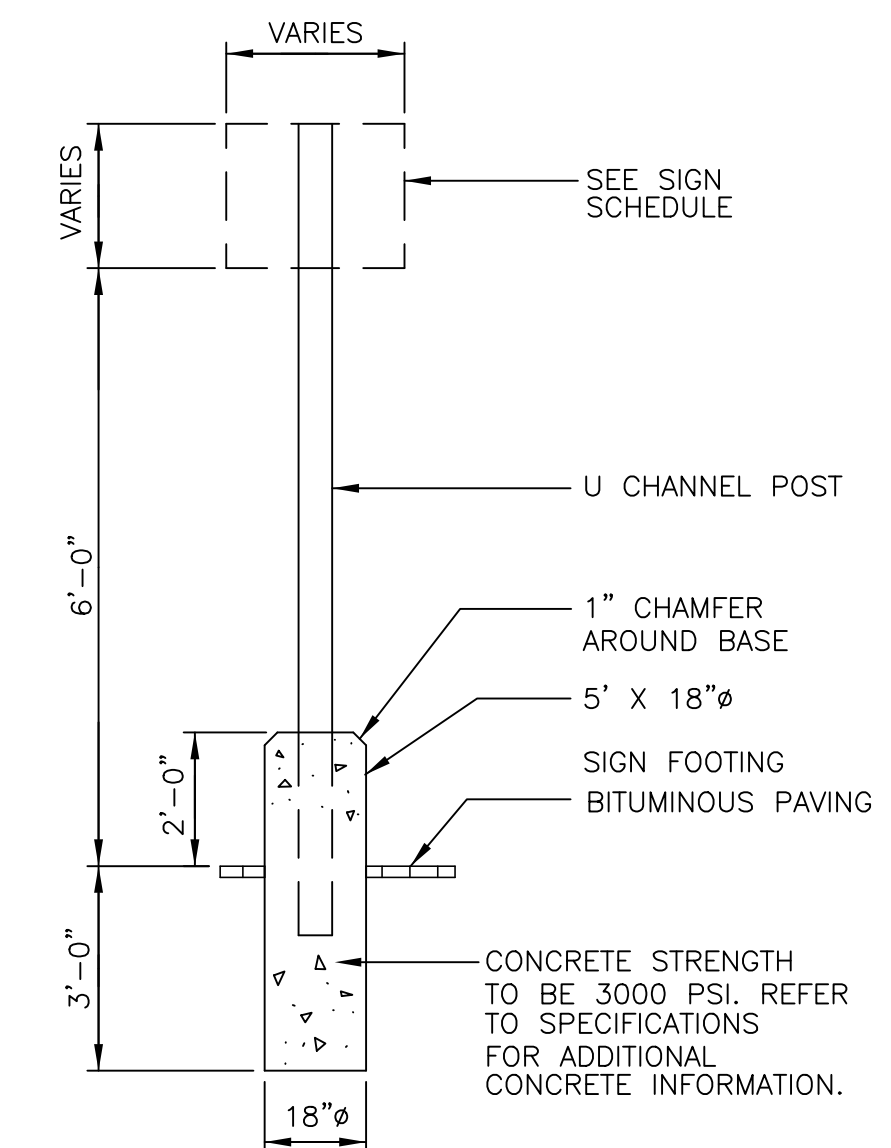
SEE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND MASSACHUSETTS HIGHWAY DEPARTMENT STANDARDS FOR THE LATEST SIGN SPECIFICATIONS. TEXT, DIMENSIONS AND COLOR AND NOMENCLATURE.



PAINTED HANDICAP SYMBOL DETAIL
NOT TO SCALE



CONCRETE DUMPSTER PAD
NOT TO SCALE



TYPICAL CHANNEL MOUNTING DETAIL FOR HANDICAP SIGNS
NOT TO SCALE

BY: PGG

DESCRIPTION: REVISED PER PEER REVIEW AND TOWN COMMENTS

REV. DATE: 2/78/2023

PROFESSIONAL SEAL: GREGORY J. MORSE, CIVIL ENGINEER, No. 47105, REGISTERED PROFESSIONAL ENGINEER, COMMONWEALTH OF MASSACHUSETTS

PREPARED BY: SAORISE, LLC

PROJECT: 33 NEW DRIFTWAY (PARCELS: 53-5-19 & 53-5-20-A) SCITUATE, MASSACHUSETTS

JOB NO: 15-436

SCALE: 1" = 20'

DESIGN: PGG

CHK: GJM

DATE: 7/5/2022

PLAN TITLE: CONSTRUCTION DETAILS IV

SHEET: 12 OF 12