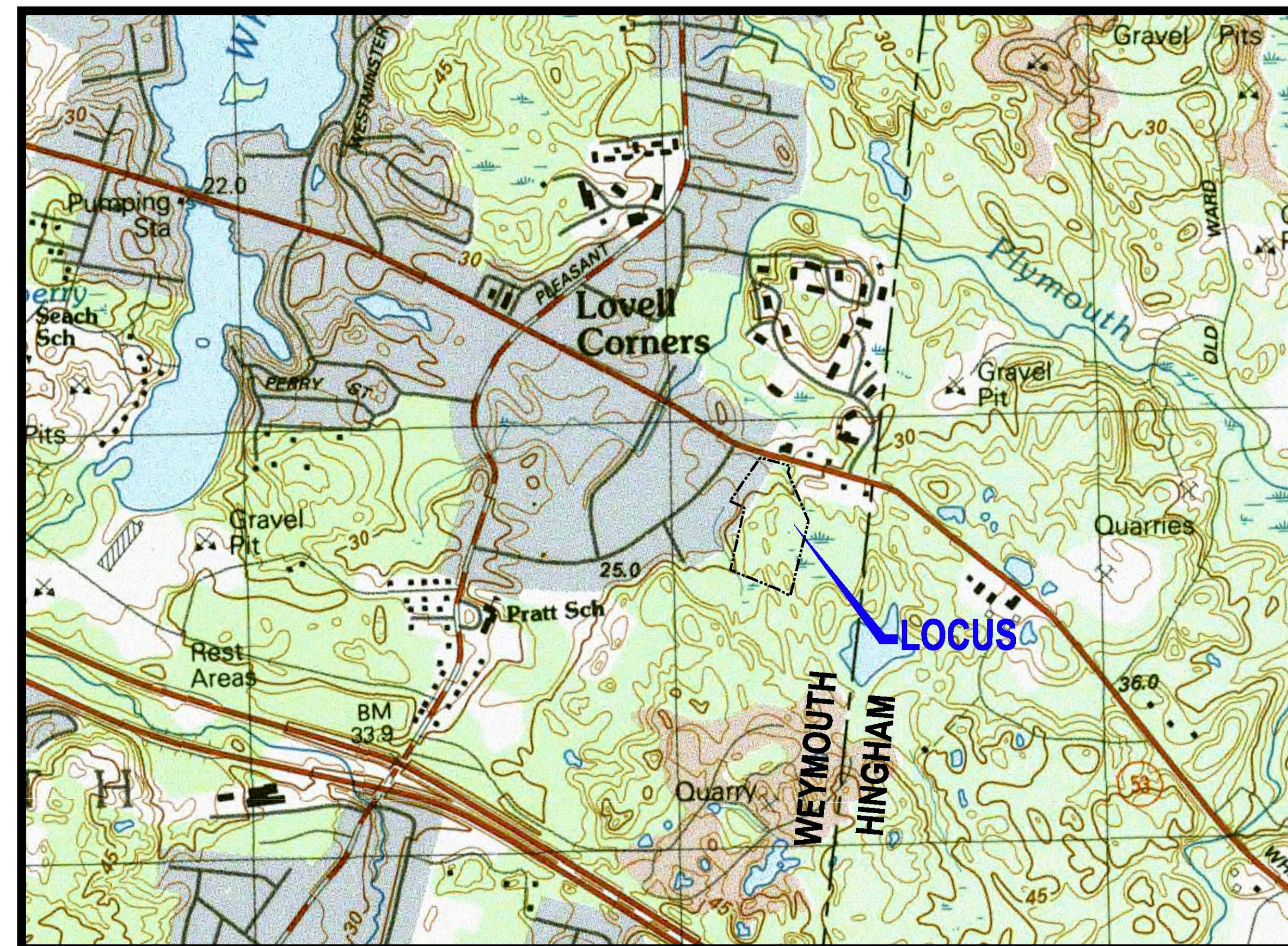
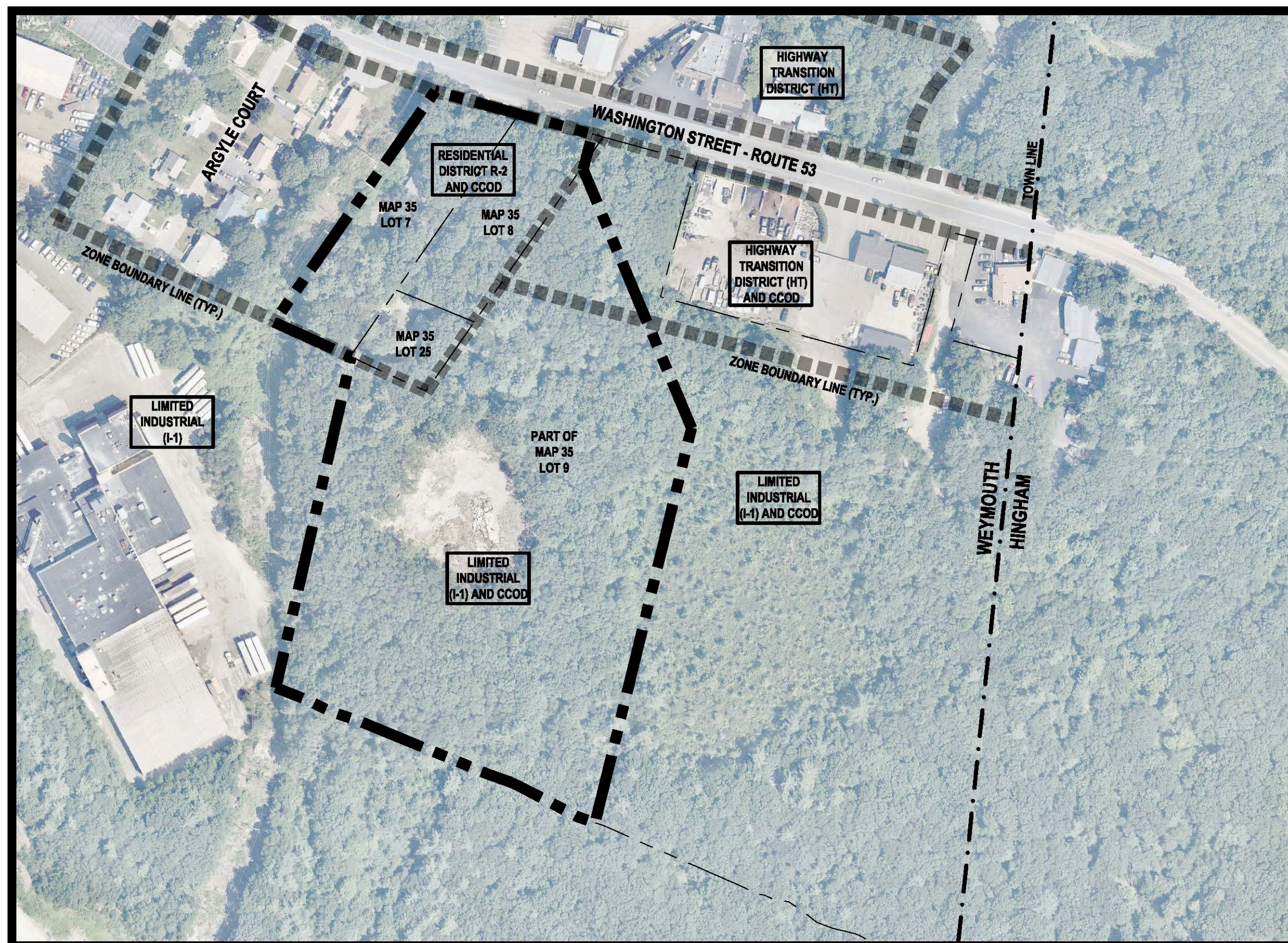


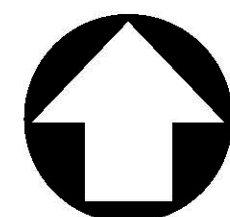
SITE DEVELOPMENT PLANS

HANOVER WEYMOUTH
RESIDENTIAL DEVELOPMENT
AT #1325 WASHINGTON STREET, WEYMOUTH, MA
FOR
HANOVER R.S. LIMITED PARTNERSHIP
ONE MARINA PARK DRIVE, SUITE 701,
BOSTON, MA 02210

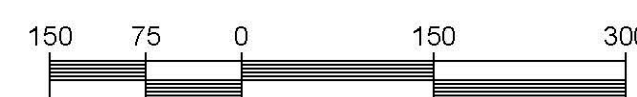
MAP 35 BLOCK 448 LOTS 7, 8 & 25
MAP 35 BLOCK 448 PART OF LOT 9



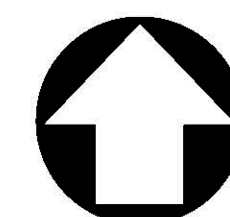
NORTH



AERIAL MAP
SCALE: 1" = 150'



NORTH



USGS MAP
SCALE: 1" = 800'



PROPERTY OWNERS:

MAP 35, BLOCK 448, LOT 7,8
1317 BRISTOL HOLDINGS, LLC.
190 OLD DERBY STREET, SUITE 311
HINGHAM, MA 02043

MAP 35, BLOCK 448, LOT 9, 25
1317 WASHINGTON RE HOLDINGS, LLC.
190 OLD DERBY STREET, SUITE 311
HINGHAM, MA 02043

Date	Description	No.
7.14.2021	REVISED PER CONSERVATION COMMISSION	1.
	Revisions	

Gabriel R. Crocker
7-14-2021

GABRIEL R. CROCKER
PROFESSIONAL ENGINEER, MA REGISTRATION #47917

Crocker Design Group
2 SHARP STREET, UNIT B
HINGHAM, MA 02043
P: 781-919-0808

Project
HANOVER WEYMOUTH RESIDENTIAL DEVELOPMENT
#1325 WASHINGTON STREET, WEYMOUTH, MA

Prepared for
HANOVER R.S. LIMITED PARTNERSHIP
ONE MARINA PARK DRIVE, SUITE 701, BOSTON, MA 02210
HANOVER COMPANY

Drawing Title
COVER SHEET

Project No.	100-124	Drawing No.	C-0
Date	4.8.2021		
Scale	AS NOTED		
Drawn By	AS		
Approved By	GC		

DRAWING INDEX:

C-0	COVER SHEET
C-1	OVERALL LAYOUT PLAN
C-1.1	WASHINGTON STREET / ROUTE 53 LAYOUT IMPROVEMENTS
C-2	GRADING AND DRAINAGE PLAN
C-2.1	GRADING AND DRAINAGE PLAN
C-3	UTILITIES PLAN
C-4	LANDSCAPE PLANTING PLAN
C-4.1	LANDSCAPE NOTES AND DETAILS
C-4.2	COURTYARD DETAILS
C-4.3	COURTYARD DETAILS
C-5	LIGHTING PLAN WITH PHOTOMETRIC CALCULATIONS
C-5.1	LIGHTING NOTES AND DETAILS
C-6	SOIL EROSION AND SEDIMENT CONTROL PLAN
C-7	TEST PIT PLAN
C-8.1	DETAIL SHEET
C-8.2	DETAIL SHEET
C-8.3	DETAIL SHEET
C-8.4	DETAIL SHEET
C-9	VEHICLE TURNING PLAN EXHIBIT

SUPPLEMENTAL PLANS:

- W-1 BUFFER ZONE RESTORATION AND ENHANCEMENT PLAN
- W-2 BUFFER ZONE RESTORATION AND ENHANCEMENT DETAILS
- EX-1 EXISTING CONDITIONS PLAN
- EX-2 EXISTING CONDITIONS PLAN

APPLICANT:

HANOVER R.S. LIMITED PARTNERSHIP
ONE MARINA PARK DRIVE, SUITE 701,
BOSTON, MA 02210

SURVEYOR / CIVIL ENGINEER:

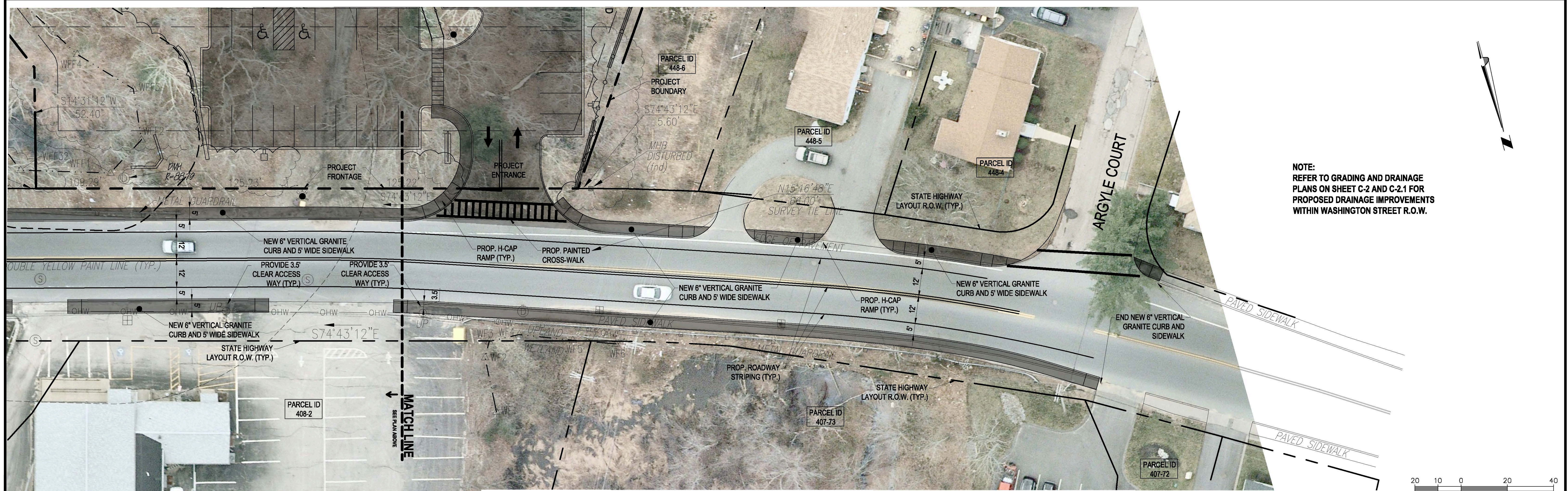
CROCKER DESIGN GROUP, LLC.
2 SHARP STREET, UNIT B,
HINGHAM, MA 02043
781-919-0808

LANDSCAPE ARCHITECT:

HANOVER R.S. LIMITED PARTNERSHIP
ONE MARINA PARK DRIVE, SUITE 701,
BOSTON, MA 02210

PERMITTING ATTORNEY:

FRANK A. MARINELLI
MARINELLI LAW OFFICE
439 WASHINGTON STREET
BRAINTREE, MA 02184
781-849-0400



NOTE:
REFER TO GRADING AND DRAINAGE
PLANS ON SHEET C-2 AND C-2.1 FOR
PROPOSED DRAINAGE IMPROVEMENTS
WITHIN WASHINGTON STREET R.O.W.



Date	Description	No.
7.14.2021	REVISED PER CONSERVATION COMMISSION	1.

Gabriel R. Crocker
7-14-2021

GABRIEL R. CROCKER
PROFESSIONAL ENGINEER, MA REGISTRATION #47917

Crocker Design Group
2 SHARP STREET, UNIT B
HINGHAM, MA 02043
P: 781-919-0808

Project
HANOVER WEYMOUTH RESIDENTIAL DEVELOPMENT
#1325 WASHINGTON STREET, WEYMOUTH, MA

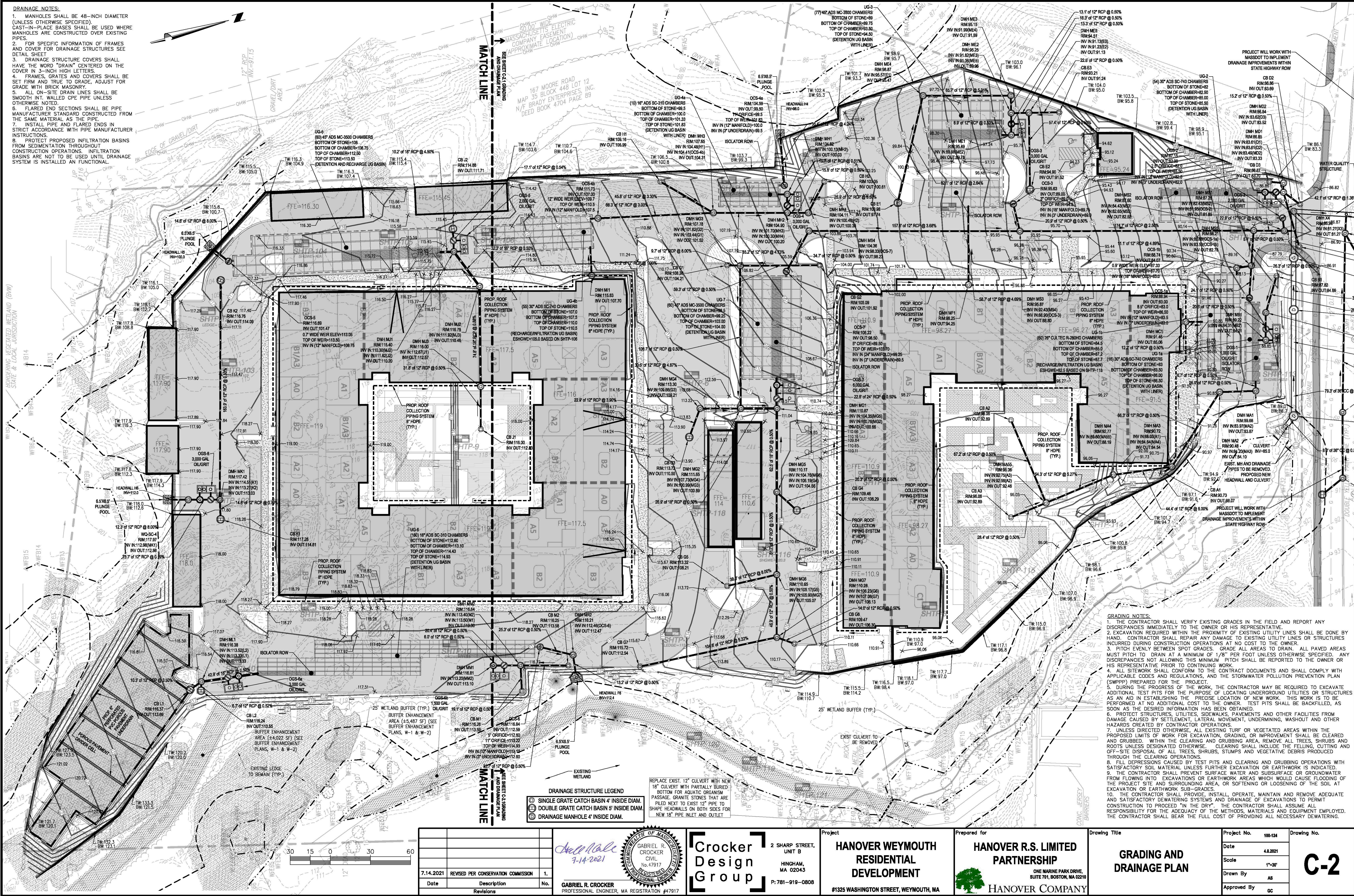
Prepared for
HANOVER R.S. LIMITED PARTNERSHIP
ONE MARINE PARK DRIVE, SUITE 701, BOSTON, MA 02210
HANOVER COMPANY

Drawing Title
WASHINGTON STREET / ROUTE 53 LAYOUT IMPROVEMENTS

Project No.	100-124	Drawing No.	C-1.1
Date	4.8.2021		
Scale	1"=20'		
Drawn By	AS		
Approved By	GC		

DRAINAGE NOTES:

1. MANHOLES SHALL BE 48-INCH DIAMETER (UNLESS OTHERWISE SPECIFIED). CAST-IN-PLACE BASES SHALL BE USED WHERE MANHOLES ARE CONSTRUCTED OVER EXISTING PIPES.
2. FOR SPECIFIC INFORMATION OF FRAMES AND COVER FOR DRAINAGE STRUCTURES SEE DETAIL SHEET.
3. DRAINAGE STRUCTURE COVERS SHALL HAVE THE WORD "DRAIN" CENTERED ON THE COVER IN 3-INCH HIGH LETTERS.
4. FRAMES, GRATES AND COVERS SHALL BE SET FIRM AND TRUE TO GRADE, ADJUST FOR GRADE WITH BRICK MASONRY.
5. ALL ON-SITE DRAIN LINES SHALL BE SMOOTH INT. WALLED CPE PIPE UNLESS OTHERWISE NOTED.
6. FLARED END SECTIONS SHALL BE PIPE MANUFACTURER STANDARD CONSTRUCTED FROM THE SAME MATERIAL AS THE PIPE.
7. INSTALL PIPE AND FLARED ENDS IN STRICT ACCORDANCE WITH PIPE MANUFACTURER INSTRUCTIONS.
8. PROTECT PROPOSED INFILTRATION BASINS FROM SEDIMENTATION THROUGHOUT CONSTRUCTION OPERATIONS. INFILTRATION BASINS ARE NOT TO BE USED UNTIL DRAINAGE SYSTEM IS INSTALLED AND FUNCTIONAL.



GRADING NOTES:

1. THE CONTRACTOR SHALL VERIFY EXISTING GRADES IN THE FIELD AND REPORT ANY DISCREPANCIES IMMEDIATELY TO THE OWNER OR HIS REPRESENTATIVE.
2. EXCAVATION REQUIRED WITHIN THE PROXIMITY OF EXISTING UTILITY LINES SHALL BE DONE BY HAND. CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING UTILITY LINES OR STRUCTURES INCURRED DURING CONSTRUCTION OPERATIONS AT NO COST TO THE OWNER.
3. PITCH EVENLY BETWEEN SPOT GRADES. GRADE ALL AREAS TO DRAIN. ALL PAVED AREAS MUST PITCH TO DRAIN AT A MINIMUM OF 1/8" PER FOOT UNLESS OTHERWISE SPECIFIED. ANY DISCREPANCIES NOT ALLOWING THIS MINIMUM PITCH SHALL BE REPORTED TO THE OWNER OR HIS REPRESENTATIVE PRIOR TO CONTINUING WORK.
4. ALL SITEWORK SHALL CONFORM TO THE CONTRACT DOCUMENTS AND SHALL COMPLY WITH APPLICABLE CODES AND REGULATIONS, AND THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) PREPARED FOR THE PROJECT.
5. DURING THE PROGRESS OF THE WORK, THE CONTRACTOR MAY BE REQUIRED TO EXCAVATE ADDITIONAL TEST PITS FOR THE PURPOSE OF LOCATING UNDERGROUND UTILITIES OR STRUCTURES AS AN AID IN ESTABLISHING THE PROPOSED LOCATION OF NEW WORK. THIS WORK IS TO BE PERFORMED AT NO ADDITIONAL COST TO THE OWNER. TEST PITS SHALL BE BACKFILLED, AS SOON AS THE DESIRED INFORMATION HAS BEEN OBTAINED.
6. PROTECT STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS AND OTHER FACILITIES FROM DAMAGE CAUSED BY SETTLEMENT, LATERAL MOVEMENT, UNDERMINING, WASHOUT AND OTHER HAZARDS CREATED BY CONTRACTOR OPERATIONS.
7. UNLESS DIRECTED OTHERWISE, ALL EXISTING TURF OR VEGETATED AREAS WITHIN THE PROPOSED LIMITS OF WORK FOR EXCAVATION, GRADING, OR IMPROVEMENT SHALL BE CLEARED AND GRUBBED. WITHIN THE CLEARING AND GRUBBING AREA, REMOVE ALL TREES, SHRUBS AND ROOTS UNLESS DESIGNATED OTHERWISE. CLEARING SHALL INCLUDE THE FELLING, CUTTING AND OFF-SITE DISPOSAL OF ALL TREES, SHRUBS, STUMPS AND VEGETATIVE DEBRIS PRODUCED THROUGH THE CLEARING OPERATIONS.
8. FILL DEPRESSIONS CAUSED BY TEST PITS AND CLEARING AND GRUBBING OPERATIONS WITH SATISFACTORY SOIL MATERIAL UNLESS FURTHER EXCAVATION OR EARTHWORK IS INDICATED.
9. THE CONTRACTOR SHALL PREVENT SURFACE WATER AND SUBSURFACE OR GROUNDWATER FROM FLOODING OR CAUSING EROSION OR EARTHWORK AREAS WHICH WOULD CAUSE FLOODING OF THE PROJECT SITE AND SURROUNDING AREA, OR SOFTENING OR LOOSENING OF THE SOIL AT EXCAVATION OR EARTHWORK SUB-GRADES.
10. THE CONTRACTOR SHALL PROVIDE, INSTALL, OPERATE, MAINTAIN AND REMOVE ADEQUATE AND SATISFACTORY Dewatering SYSTEMS AND DRAINAGE OF EXCAVATIONS TO PERMIT CONSTRUCTION TO PROCEED "IN THE DRY". THE CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR THE ADEQUACY OF THE METHODS, MATERIALS AND EQUIPMENT EMPLOYED. THE CONTRACTOR SHALL BEAR THE FULL COST OF PROVIDING ALL NECESSARY Dewatering.

DRAINAGE STRUCTURE LEGEND

- ① SINGLE GRATE CATCH BASIN 4' INSIDE DIAM.
- ② DOUBLE GRATE CATCH BASIN 5' INSIDE DIAM.
- ③ DRAINAGE MANHOLE 4' INSIDE DIAM.

REPLACE EXIST. 12" CULVERT WITH NEW 18" CULVERT WITH PARTIALLY BURIED BOTTOM FOR AQUATIC ORGANISM PASSAGE. GRANITE STONES THAT ARE PILED NEXT TO EXIST 12" PIPE TO SHARP HEADWALLS ON BOTH SIDES FOR NEW 18" PIPE INLET AND OUTLET.

Date	Description	No.
7.14.2021	REVISED PER CONSERVATION COMMISSION	1.

GABRIEL R. CROCKER
PROFESSIONAL ENGINEER, MA REGISTRATION #47917

Crocker Design Group
2 SHARP STREET, UNIT B
HINGHAM, MA 02043
P: 781-919-0808

HANOVER WEYMOUTH RESIDENTIAL DEVELOPMENT
#1325 WASHINGTON STREET, WEYMOUTH, MA

HANOVER R.S. LIMITED PARTNERSHIP
ONE MARINE PARK DRIVE, SUITE 701, BOSTON, MA 02219

GRADING AND DRAINAGE PLAN

Project No.	100-124	Drawing No.	C-2
Date	4.8.2021	Scale	1"=30'
Drawn By	AS	Approved By	GC

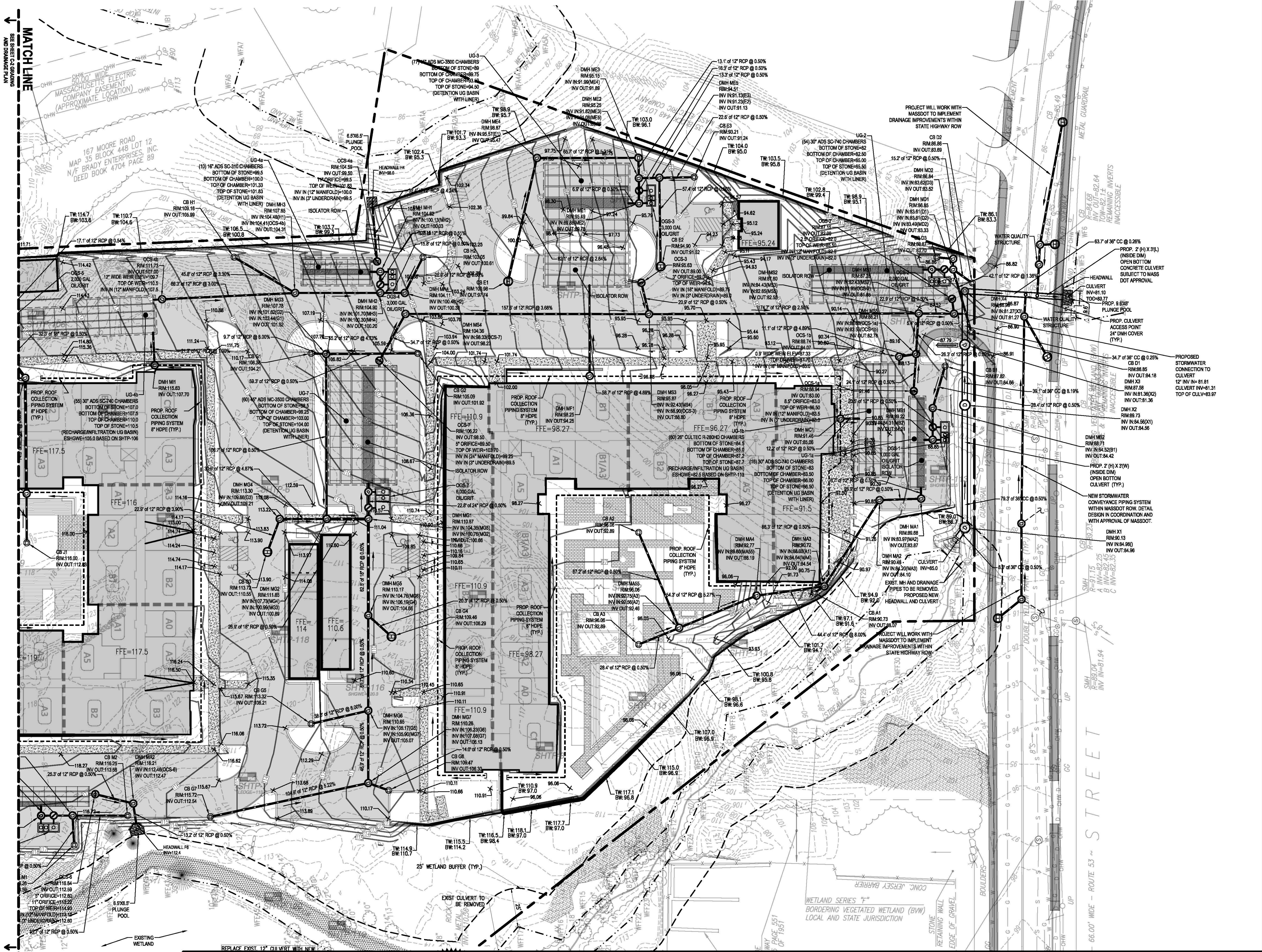
DRAINAGE NOTES:

1. MANHOLES SHALL BE 48-INCH DIAMETER (UNLESS OTHERWISE SPECIFIED). CAST-IN-PLACE BASES SHALL BE USED WHERE MANHOLES ARE CONSTRUCTED OVER EXISTING PIPES.
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6. FLARED END SECTIONS SHALL BE PIPE MANUFACTURER STANDARD CONSTRUCTED FROM THE SAME MATERIAL AS THE PIPE.
7. INSTALL PIPE AND FLARED ENDS IN STRICT ACCORDANCE WITH PIPE MANUFACTURER INSTRUCTIONS.
8. PROTECT PROPOSED INFILTRATION BASINS FROM SEDIMENTATION THROUGHOUT CONSTRUCTION OPERATIONS. INFILTRATION BASINS ARE NOT TO BE USED UNTIL DRAINAGE SYSTEM IS INSTALLED AND FUNCTIONAL.



GRADING NOTES:

1. THE CONTRACTOR SHALL VERIFY EXISTING GRADES IN THE FIELD AND REPORT ANY DISCREPANCIES IMMEDIATELY TO THE OWNER OR HIS REPRESENTATIVE.
2. EXCAVATION REQUIRED WITHIN THE PROXIMITY OF EXISTING UTILITY LINES SHALL BE DONE BY HAND. CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING UTILITY LINES OR STRUCTURES INCURRED DURING CONSTRUCTION OPERATIONS AT NO COST TO THE OWNER.
3. PITCH EVENLY BETWEEN SPOT GRADES. GRADE ALL AREAS TO DRAIN. ALL PAVED AREAS MUST PITCH TO DRAIN AT A MINIMUM OF 1/8" PER FOOT UNLESS OTHERWISE SPECIFIED. ANY DISCREPANCIES NOT ALLOWING THIS MINIMUM PITCH SHALL BE REPORTED TO THE OWNER OR HIS REPRESENTATIVE PRIOR TO CONTINUING WORK.
4. ALL SITEWORK SHALL CONFORM TO THE CONTRACT DOCUMENTS AND SHALL COMPLY WITH APPLICABLE CODES AND REGULATIONS, AND THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) PREPARED FOR THE PROJECT.
5. DURING THE PROGRESS OF THE WORK, THE CONTRACTOR MAY BE REQUIRED TO EXCAVATE ADDITIONAL TEST PITS FOR THE PURPOSE OF LOCATING UNDERGROUND UTILITIES OR STRUCTURES AS AN AID IN ESTABLISHING THE PRECISE LOCATION OF NEW WORK. THIS WORK IS TO BE PERFORMED AT NO ADDITIONAL COST TO THE OWNER. TEST PITS SHALL BE BACKFILLED, AS SOON AS THE DESIRED INFORMATION HAS BEEN OBTAINED.
6. PROTECT STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS AND OTHER FACILITIES FROM DAMAGE CAUSED BY SETTLEMENT, LATERAL MOVEMENT, UNDERMINING, WASHOUT AND OTHER HAZARDS CREATED BY CONTRACTOR OPERATIONS.
7. UNLESS DIRECTED OTHERWISE, ALL EXISTING TURF OR VEGETATED AREAS WITHIN THE PROPOSED LIMITS OF WORK FOR EXCAVATION, GRADING, OR IMPROVEMENT SHALL BE CLEARED AND GROUBED. WITHIN THE CLEARING AND GROUBING AREA, REMOVE ALL TREES, SHRUBS AND ROOTS UNLESS DESIGNATED OTHERWISE. CLEARING SHALL INCLUDE THE FELLING, CUTTING AND OFF-SITE DISPOSAL OF ALL TREES, SHRUBS, STUMPS AND VEGETATIVE DEBRIS PRODUCED THROUGHOUT THE CLEARING OPERATIONS.
8. FILL DEPRESSIONS CAUSED BY TEST PITS AND CLEARING AND GROUBING OPERATIONS WITH SATISFACTORY SOIL MATERIAL UNLESS FURTHER EXCAVATION OR EARTHWORK IS INDICATED.
9. THE CONTRACTOR SHALL PREVENT SURFACE WATER AND SUBSURFACE OR GROUNDWATER FROM FLOWING INTO EXCAVATIONS OR EARTHWORK AREAS WHICH WOULD CAUSE FLOODING OF THE PROJECT SITE AND SURROUNDING AREA, OR SOFTENING OR LOSSENING OF THE SOIL AT EXCAVATION OR EARTHWORK SUB-GRADES.
10. THE CONTRACTOR SHALL PROVIDE, INSTALL, OPERATE, MAINTAIN AND REMOVE ADEQUATE AND SATISFACTORY DEWATERING SYSTEMS AND DRAINAGE OF EXCAVATIONS TO PERMIT CONSTRUCTION TO PROCEED "IN THE DRY". THE CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR THE ADEQUACY OF THE METHODS, MATERIALS AND EQUIPMENT EMPLOYED. THE CONTRACTOR SHALL BEAR THE FULL COST OF PROVIDING ALL NECESSARY DEWATERING.



Date	Description	No.
7.14.2021	REVISED PER CONSERVATION COMMISSION	1.

Gabrielle Crocker
7.14.2021

GABRIEL R. CROCKER
PROFESSIONAL ENGINEER, MA REGISTRATION #47917

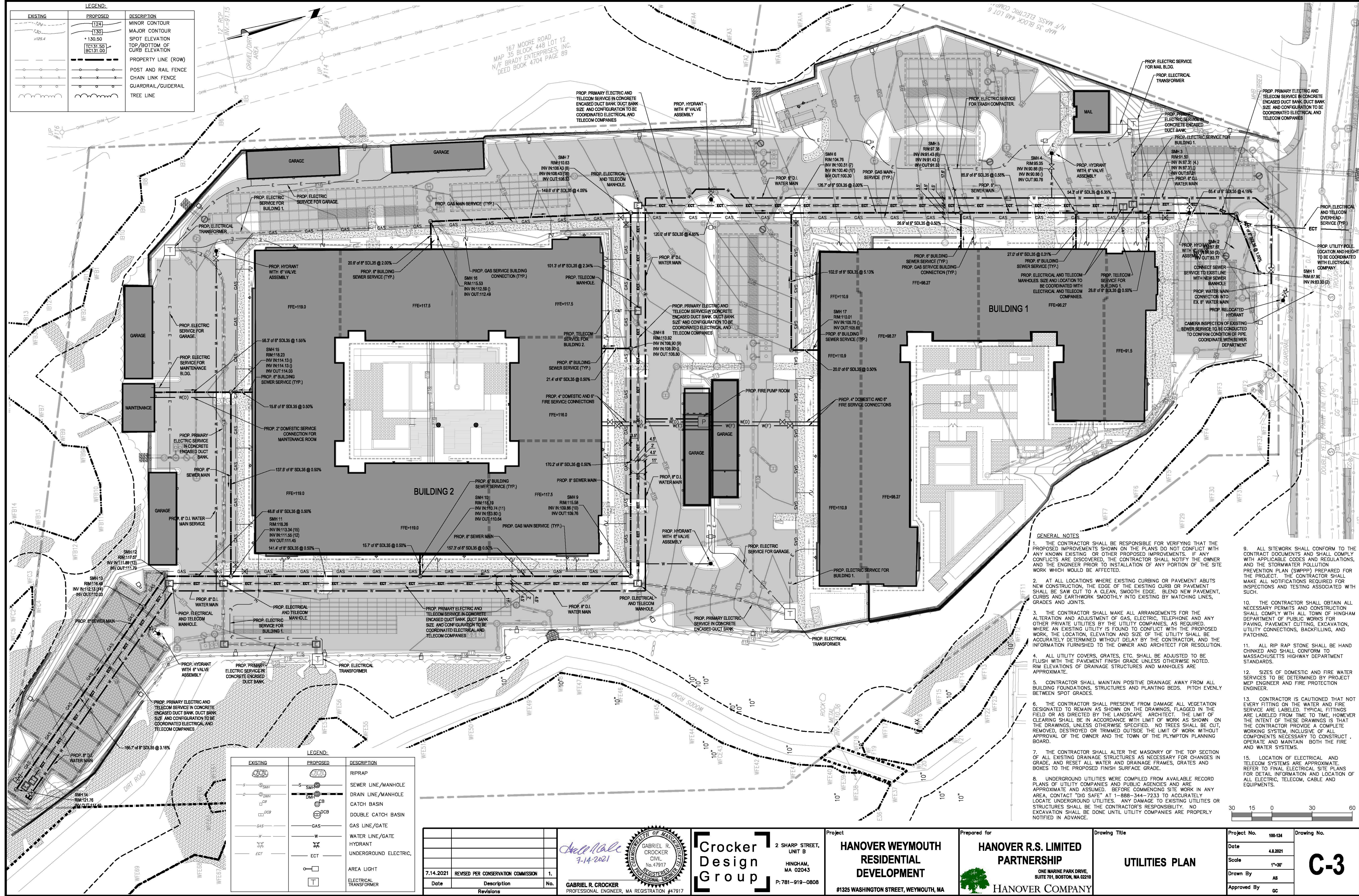
Crocker Design Group
2 SHARP STREET, UNIT B
HINGHAM, MA 02043
P: 781-919-0808

Project
HANOVER WEYMOUTH RESIDENTIAL DEVELOPMENT
#1325 WASHINGTON STREET, WEYMOUTH, MA

Prepared for
HANOVER R.S. LIMITED PARTNERSHIP
ONE MARINE PARK DRIVE, SUITE 701, BOSTON, MA 02216
HANOVER COMPANY

Drawing Title
GRADING AND DRAINAGE PLAN

Project No.	100-024	Drawing No.	C-2.1
Date	4.8.2021	Scale	1"=30'
Drawn By	AS	Approved By	GC



LEGEND:

EXISTING	PROPOSED	DESCRIPTION
(Symbol)	(Symbol)	MINOR CONTOUR
(Symbol)	(Symbol)	MAJOR CONTOUR
(Symbol)	(Symbol)	SPOT ELEVATION
(Symbol)	(Symbol)	TOP/BOTTOM OF CURB ELEVATION
(Symbol)	(Symbol)	PROPERTY LINE (ROW)
(Symbol)	(Symbol)	POST AND RAIL FENCE
(Symbol)	(Symbol)	CHAIN LINK FENCE
(Symbol)	(Symbol)	GUARDRAIL/GUIDERAIL
(Symbol)	(Symbol)	TREE LINE

LEGEND:

EXISTING	PROPOSED	DESCRIPTION
(Symbol)	(Symbol)	RIPRAP
(Symbol)	(Symbol)	SEWER LINE/MANHOLE
(Symbol)	(Symbol)	DRAIN LINE/MANHOLE
(Symbol)	(Symbol)	CATCH BASIN
(Symbol)	(Symbol)	DOUBLE CATCH BASIN
(Symbol)	(Symbol)	GAS LINE/GATE
(Symbol)	(Symbol)	WATER LINE/GATE
(Symbol)	(Symbol)	HYDRANT
(Symbol)	(Symbol)	UNDERGROUND ELECTRIC
(Symbol)	(Symbol)	AREA LIGHT
(Symbol)	(Symbol)	ELECTRICAL TRANSFORMER

- GENERAL NOTES**
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS DO NOT CONFLICT WITH ANY KNOWN EXISTING OR OTHER PROPOSED IMPROVEMENTS. IF ANY CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE ENGINEER PRIOR TO INSTALLATION OF ANY PORTION OF THE SITE WORK WHICH WOULD BE AFFECTED.
 - AT ALL LOCATIONS WHERE EXISTING CURBING OR PAVEMENT ABUTS NEW CONSTRUCTION, THE EDGE OF THE EXISTING CURB OR PAVEMENT SHALL BE SAW CUT TO A CLEAN, SMOOTH EDGE. BLEND NEW PAVEMENT, CURBS, AND EARTHWORK SMOOTHLY INTO EXISTING BY MATCHING LINES, GRADES AND JOINTS.
 - THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS FOR THE ALTERATION AND ADJUSTMENT OF GAS, ELECTRIC, TELEPHONE AND ANY OTHER PRIVATE UTILITIES BY THE UTILITY COMPANIES, AS REQUIRED. WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATION AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR, AND THE INFORMATION FURNISHED TO THE OWNER AND ARCHITECT FOR RESOLUTION.
 - ALL UTILITY COVERS, GRATES, ETC. SHALL BE ADJUSTED TO BE FLUSH WITH THE PAVEMENT FINISH GRADE UNLESS OTHERWISE NOTED. RIM ELEVATIONS OF DRAINAGE STRUCTURES AND MANHOLES ARE APPROXIMATE.
 - CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AWAY FROM ALL BUILDING FOUNDATIONS, STRUCTURES AND PLANTING BEDS. PITCH EVENLY BETWEEN SPOT GRADES.
 - THE CONTRACTOR SHALL PRESERVE FROM DAMAGE ALL VEGETATION DESIGNATED TO REMAIN AS SHOWN ON THE DRAWINGS, FLAGGED IN THE FIELD OR AS DIRECTED BY THE LANDSCAPE ARCHITECT. THE LIMIT OF CLEARING SHALL BE IN ACCORDANCE WITH LIMIT OF WORK AS SHOWN ON THE DRAWINGS, UNLESS OTHERWISE SPECIFIED. NO TREES SHALL BE CUT, REMOVED, DESTROYED OR TRIMMED OUTSIDE THE LIMIT OF WORK WITHOUT APPROVAL OF THE OWNER AND THE TOWN OF THE PLYMPTON PLANNING BOARD.
 - THE CONTRACTOR SHALL ALTER THE MASONRY OF THE TOP SECTION OF ALL EXISTING DRAINAGE STRUCTURES AS NECESSARY FOR CHANGES IN GRADE, AND RESET ALL WATER AND DRAINAGE FRAMES, GRATES AND BOXES TO THE PROPOSED FINISH SURFACE GRADE.
 - UNDERGROUND UTILITIES WERE COMPILED FROM AVAILABLE RECORD PLANS OF UTILITY COMPANIES AND PUBLIC AGENCIES AND ARE APPROXIMATE AND ASSUMED. BEFORE COMMENCING SITE WORK IN ANY AREA, CONTACT "DIG SAFE" AT 1-888-344-7233 TO ACCURATELY LOCATE UNDERGROUND UTILITIES. ANY DAMAGE TO EXISTING UTILITIES OR STRUCTURES SHALL BE THE CONTRACTOR'S RESPONSIBILITY. NO EXCAVATION SHALL BE DONE UNTIL UTILITY COMPANIES ARE PROPERLY NOTIFIED IN ADVANCE.
 - ALL SITEWORK SHALL CONFORM TO THE CONTRACT DOCUMENTS AND SHALL COMPLY WITH APPLICABLE CODES AND REGULATIONS, AND THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) PREPARED FOR THE PROJECT. THE CONTRACTOR SHALL MAKE ALL NOTIFICATIONS REQUIRED FOR INSPECTIONS AND TESTING ASSOCIATED WITH SUCH.
 - THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND CONSTRUCTION SHALL CONFORM WITH ALL TOWN OF HINGHAM DEPARTMENT OF PUBLIC WORKS FOR PAVING, PAVEMENT CUTTING, EXCAVATION, UTILITY CONNECTIONS, BACKFILLING, AND PATCHING.
 - ALL RIP RAP STONE SHALL BE HAND CHIPPED AND SHALL CONFORM TO MASSACHUSETTS HIGHWAY DEPARTMENT STANDARDS.
 - SIZES OF DOMESTIC AND FIRE WATER SERVICES TO BE DETERMINED BY PROJECT MEP ENGINEER AND FIRE PROTECTION ENGINEER.
 - CONTRACTOR IS CAUTIONED THAT NOT EVERY FITTING ON THE WATER AND FIRE SERVICE ARE LABELED. TYPICAL FITTINGS ARE LABELED FROM TIME TO TIME, HOWEVER THE INTENT OF THESE DRAWINGS IS THAT THE CONTRACTOR PROVIDE A COMPLETE WORKING SYSTEM, INCLUSIVE OF ALL COMPONENTS NECESSARY TO CONSTRUCT, OPERATE AND MAINTAIN BOTH THE FIRE AND WATER SYSTEMS.
 - LOCATION OF ELECTRICAL AND TELECOM SYSTEMS ARE APPROXIMATE. REFER TO FINAL ELECTRICAL SITE PLANS FOR DETAILED INFORMATION AND LOCATION OF ALL ELECTRICAL, TELECOM, CABLE AND EQUIPMENTS.

Date	Description	No.
7.14.2021	REVISED PER CONSERVATION COMMISSION	1.

Gabrielle R. Crocker
7-14-2021

GABRIEL R. CROCKER
PROFESSIONAL ENGINEER, MA REGISTRATION #47917

Crocker Design Group
2 SHARP STREET, UNIT B
HINGHAM, MA 02043
P: 781-919-0808

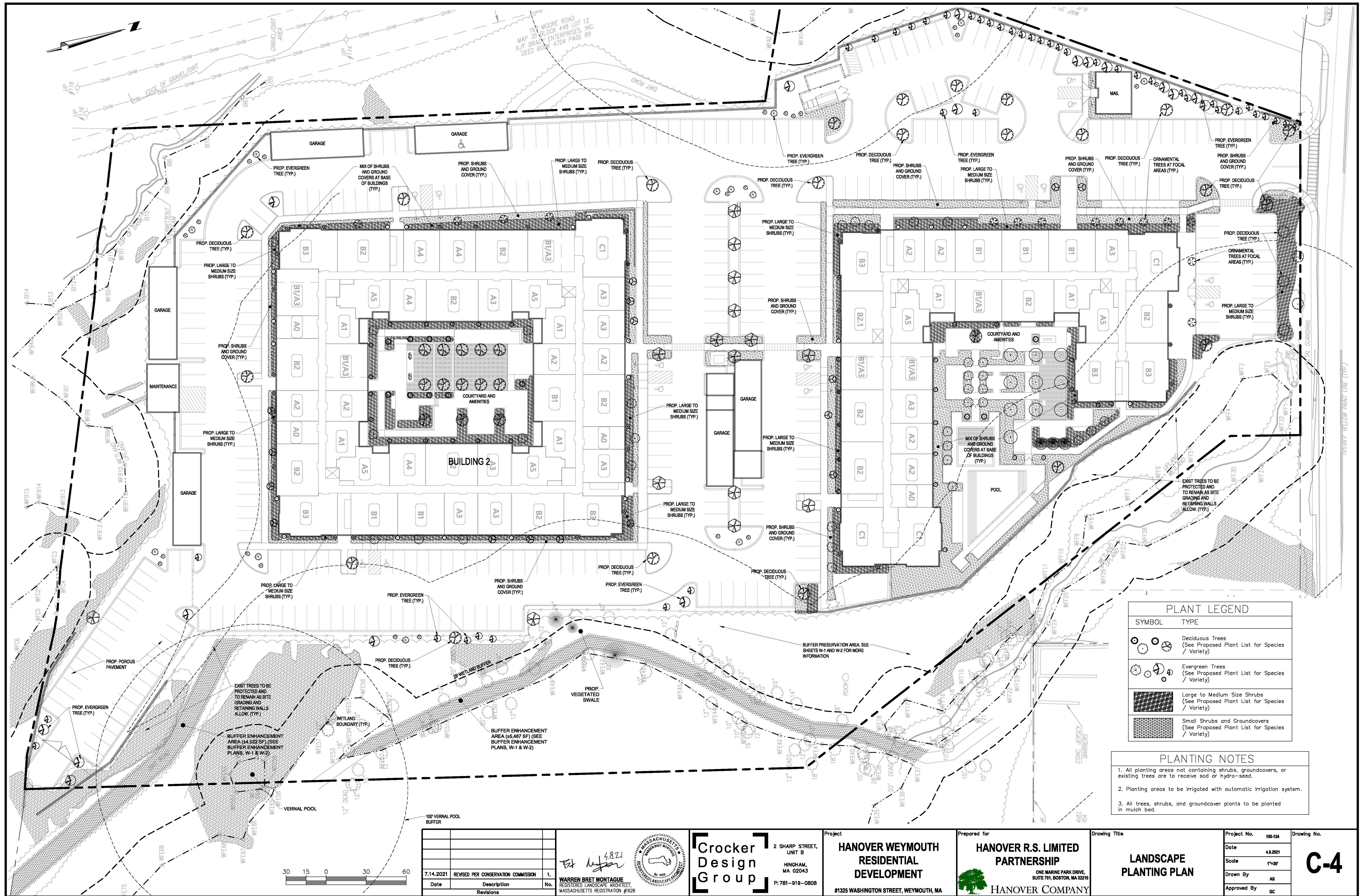
Project
HANOVER WEYMOUTH RESIDENTIAL DEVELOPMENT
#1325 WASHINGTON STREET, WEYMOUTH, MA

Prepared for
HANOVER R.S. LIMITED PARTNERSHIP
ONE MARINE PARK DRIVE, SUITE 701, BOSTON, MA 02219
HANOVER COMPANY

Drawing Title
UTILITIES PLAN

Project No. 100-124
Date 4.8.2021
Scale 1"=30'
Drawn By AS
Approved By GC

C-3



PLANT LEGEND	
SYMBOL	TYPE
	Deciduous Trees (See Proposed Plant List for Species / Variety)
	Evergreen Trees (See Proposed Plant List for Species / Variety)
	Large to Medium Size Shrubs (See Proposed Plant List for Species / Variety)
	Small Shrubs and Groundcovers (See Proposed Plant List for Species / Variety)

- PLANTING NOTES**
- All planting areas not containing shrubs, groundcovers, or existing trees are to receive sod or hydro-seed.
 - Planting areas to be irrigated with automatic irrigation system.
 - All trees, shrubs, and groundcover plants to be planted in mulch bed.

Date	Description	No.
7.14.2021	REVISED PER CONSERVATION COMMISSION	1.

WARREN BRET MONTAGUE
 REGISTERED LANDSCAPE ARCHITECT
 MASSACHUSETTS REGISTRATION #1626

Crocker Design Group
 2 SHARP STREET, UNIT B
 HINGHAM, MA 02043
 P: 781-919-0808

Project
HANOVER WEYMOUTH RESIDENTIAL DEVELOPMENT
 #1325 WASHINGTON STREET, WEYMOUTH, MA

Prepared for
HANOVER R.S. LIMITED PARTNERSHIP
 ONE MARINE PARK DRIVE,
 SUITE 701, BOSTON, MA 02219

HANOVER COMPANY

Drawing Title
LANDSCAPE PLANTING PLAN

Project No.	100-124	Drawing No.	C-4
Date	4.8.2021	Scale	1"=30'
Drawn By	AS	Approved By	GC

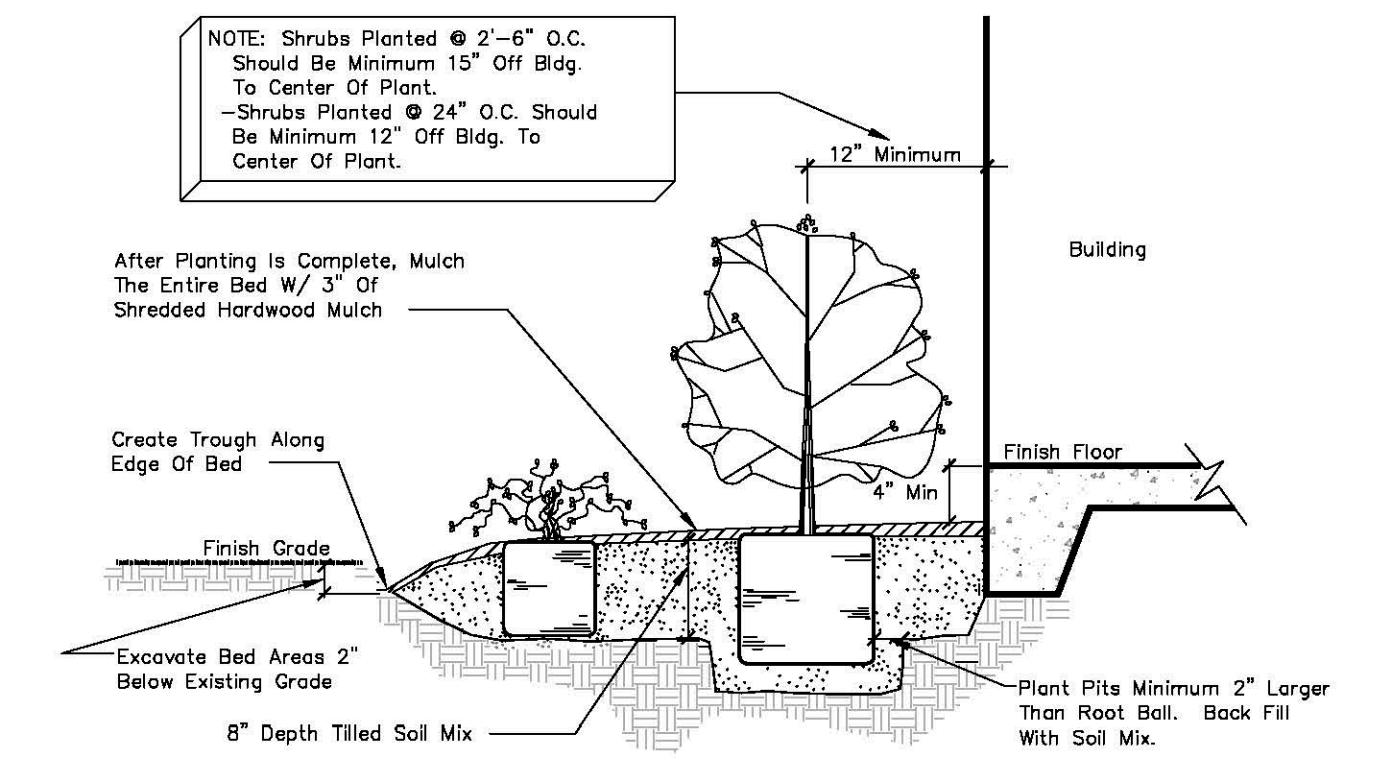
PLANTING LIST:

ABBREVIATION	BOTANICAL NAME	COMMON NAME	QUANTITY	SIZE	CONDITION	REMARKS
TREES						
Sycamore	Platanus occidentalis	American Sycamore		14' - 16' Ht.	B & B	14' - 16' Ht., 8' - 10' Sprd., Full Branching, Straight Trunk, Specimen tree to be tagged by Land. Arch.
Large Red Oak	Quercus borealis rubra	Northern Red Oak		14' - 16' Ht.	B & B	14' - 16' Ht., 8' - 10' Sprd., Full Branching, Straight Trunk, Specimen tree to be tagged by Land. Arch.
Small Red Oak	Quercus borealis rubra	Northern Red Oak		8' - 10' Ht.	B & B	8' - 10' Ht., 5' - 6' Sprd., Full Branching, Straight Trunk,
Regal Prince Oak	Quercus robur x bicolor 'Long'	Regal Prince Oak		10' - 12' Ht.	B & B	Specimen, 10'-12' Ht., 3'-4' Sprd., Full branching, Straight Trunk, to be approved by Land. Arch. Prior to planting.
Large Hornbeam	Carpinus betulus 'Fastigata'	Pyramidal European Hornbeam		18' - 20' Ht.	B & B	18'-20' Ht., 7'-8' Sprd., Tight, columnar, Full branching, clear central leader, clear trunk 4'-4.6", Specimen tree to be tagged by Land. Arch.
Small Hornbeam	Carpinus betulus 'Fastigata'	Pyramidal European Hornbeam		12' - 14' Ht.	B & B	12'-14' Ht., 4'-5' Sprd., Tight, columnar, Full branching, clear central leader, clear trunk 3'-3.6", Specimen tree to be tagged by Land. Arch.
Large Maple	Acer x freemanii 'Autumn Blaze'	Large Red Maple		14' - 16' Ht.	B & B	14' - 16' Ht., 8' - 10' Sprd., Full Branching, Straight Trunk, Specimen tree to be tagged by Land. Arch.
Small Maple	Acer x freemanii 'Autumn Blaze'	Small Red Maple		8' - 10' Ht.	B & B	8' - 10' Ht., 5' - 6' Sprd., Full Branching, Straight Trunk,
Large White Pine	Pinus Strobus	White Pine		12' - 14' Ht.	B & B	Specimen, 12' - 14' Ht., 7'-8' Sprd., Full, to be approved by Land Arch. Prior to planting
Small White Pine	Pinus Strobus	White Pine		6' - 8' Ht.	B & B	6' - 8' Ht., 3'-4' Sprd., Full branching, to be approved by Land Arch. Prior to planting
C. Spruce	Picea pungens 'Fat Albert'	Fat Albert Colorado Spruce		12' - 14' Ht.	B & B	Specimen, 12'-14' Ht., 5'-6' Sprd., Full branching, Straight trunk, to be approved by Land. Arch. prior to planting
C. Spruce	Picea pungens 'Fat Albert'	Fat Albert Colorado Spruce		6' - 8' Ht.	B & B	6'-8' Ht., 2 1/2' - 3' Sprd., Full branching, Straight trunk, to be approved by Land. Arch. prior to planting
W. Spruce	Picea glauca	White Spruce		14' - 16' Ht.	B & B	Specimen, 14'-16' Ht., 5'-6' Sprd., Full branching, Straight trunk, to be approved by Land. Arch. prior to planting
W. Spruce	Picea glauca	White Spruce		6' - 8' Ht.	B & B	6'-8' Ht., 2 1/2' - 3' Sprd., Full branching, Straight trunk, to be approved by Land. Arch. prior to planting
Fir	Abies concolor	White Fir		6' - 8' Ht.	B & B	6'-8' Ht., 2 1/2' - 3' Sprd., Full branching, Straight trunk, to be approved by Land. Arch. prior to planting
Large R. Birch	Betula nigra	River Birch		18' - 20' Ht.	B & B	Specimen, Single-Trunk, 4" Per Cane, 7'-8" Clear Trunk, 8'-10' Spread, Full., to be provided by Select Trees, Athens, GA
Small R. Birch	Betula nigra	River Birch		12' - 14' Ht.	B & B	Specimen, Multi-Trunk, 3 - 5 Trunks, 1 1/2" per cane, 7'-8' Sprd., Full., to be approved by Land. Arch. prior to planting
Beech	Fagus sylvatica 'Red Obelisk'	Red Obelisk Purple Beech		10' - 12' Ht.	B & B	Specimen, 10'-12' Ht., Full, Single Trunk, full branching, 3'-4' sprd., to be approved by Land. Arch. Prior to planting
Bloodgood	Acer palmatum var. atropurpurem 'Bloodgood'	Bloodgood Japanese Maple		8' - 10' Ht.	B & B	Specimen, 8'-10' Ht., Full, Single Trunk, full branching, 5'-6' sprd., to be approved by Land. Arch. Prior to planting
Crimson Queen	Acer palmatum var. dissectum 'Crimson Queen'	Crimson Queen Japanese Maple		4' - 5' Ht.	B & B	Specimen, 4'-5' Ht., Full, Single Trunk, full branching, 3'-4' sprd., to be approved by Land. Arch. Prior to planting
Crabapple	Malus Zumi 'Calocarpa'	Redbud Crabapple		8' - 10' Ht.	B & B	Specimen, 8'-10' Ht., Full, Single Trunk, full branching, 5'-6' sprd., to be approved by Land. Arch. Prior to planting
Snow Cherry	Prunus 'Berry'	Cascade Snow Cherry		8' - 10' Ht.	B & B	Specimen, 8'-10' Ht., Full, Single Trunk, full branching, 5'-6' sprd., to be approved by Land. Arch. Prior to planting
Hetzl Juniper	Juniperus chinensis 'Hetzl Columnaris'	Hetzl Juniper		8' - 10' Ht.	B & B or Container	8'-10' Ht., 2-3' spread., Full, Straight Trunk, to be approved by Land. Arch. prior to planting
E.G. Arborvitae	Thuja occidentalis 'Emerald Green'	Emerald Green Arborvitae		8' - 10' Ht.	B & B or Container	8'-10' Ht., Full, 3-3 1/2' Sprd., to be approved by Land. Arch. prior to planting
Gold Arborvitae	Thuja occidentalis 'Berkman Gold'	Berkman Gold Arborvitae		5' - 6' Ht.	B & B or Container	5'-6' Ht., Full, 18"-24" Sprd., to be approved by Land. Arch. prior to planting
Grassgreen Yew	Taxus x media 'Viridis'	Grassgreen Yew		6' - 7' Ht.	B & B or Container	3'-4' Sprd., Full

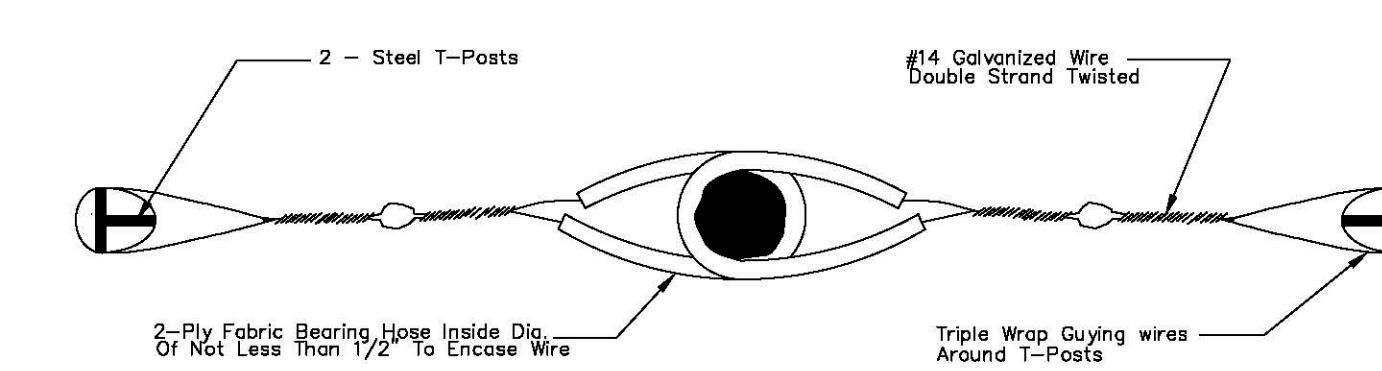
LARGE/MEDIUM SHRUBS						
Nest Spruce	Picea abies 'Nidiformis'	Nest Spruce		30'-36" Ht.	B & B or Container	30"-36" Ht. & Sprd., Full
F. Cypress	Chamaecyparis obtusa 'Gracilis Compacta'	Compact Hinoki Falsecypress		54'-60" Ht.	B & B or Container	Full branching, 54" - 60" Ht., 3'-4' sprd., To be matching specimens tagged by Land. Arch.
Hicks Yew	Taxus media 'Hicksii'	Hicks Yew		24'-30" Ht.	B & B or Container	24"-30" Ht., 15"-18" Sprd., Full
Cat. Rhodo	Rhododendron catawbiense	Catawba Rhododendron		24'-30" Ht.	B & B or Container	24"-30" Ht. & Sprd., Flowering Var. to be Approved by Land. Arch.
PJM Rhodo	Rhododendron PJM	PJM Rhododendron		24'-30" Ht.	B & B or Container	24"-30" Ht. & Sprd., Flowering Var. to be Approved by Land. Arch.
S.G. Juniper	Juniperus chinensis 'Sea Green'	Sea Green Juniper		20'-22" Ht.	B & B or Container	20"-22" Ht., 18"-24" Sprd., Full
Viburnum	Viburnum x Juddi	Judd Viburnum		30'-36" Ht.	B & B or Container	30"-36" Ht. & Sprd., Full
Hydrangea	Hydrangea quercifolia 'Allison'	Oakleaf Hydrangea		30'-36" Ht.	B & B or Container	30"-36" Ht. & Sprd., Full
R.T. Dogwood	Cornus sericea 'Arctic Fire'	Red Twig Dogwood		30'-36" Ht.	B & B or Container	30"-36" Ht. & Sprd., Full
S. Cherry	Prunus depressa	Sand Cherry		24'-30" Ht.	B & B or Container	24"-30" Ht. & Sprd., Full
Boxwood	Buxus microphylla 'Green Mountain'	Green Mtn. Boxwood		24'-30" Ht.	B & B or Container	24" Ht. & Sprd., Globe shearing, to be approved by Land. Arch.

DWARF SHRUBS, GROUNDCOVERS & VINES						
D. Yew	Taxus media 'Densiformis'	Dense Yew		16"-18" Ht. & Sprd.	B & B or Container	Full
GP Juniper	Juniperus conferta 'All Gold'	Golden Pacific Juniper		16"-18" Ht. & Sprd.	B & B or Container	Full
Boxwood	Buxus microphylla 'Winter Gem'	Winter Gem Boxwood		18"-20" Ht. 12"-14" Sprd.	B & B or Container	Full
GO Juniper	Juniperus virginiana 'Grey Owl'	Grey Owl Juniper		16"-18" Ht. & Sprd.	B & B or Container	Full
A. Juniper	Juniperus horizontalis 'Plumosa Compacta'	'Andorra' Juniper		10"-12" Ht. 15"-18" Ht.	B & B or Container	Full
Boston Ivy	Parthenocissus tricuspidata	Boston Ivy		1 Gallon	Container	
Hosta	Hosta 'Big Mama'	'Big Mama' Hosta		3 Gallon	Container	14"-16" Sprd., 12" Ht., Full, Well Rooted
Seasonal Color	Varies	per sq. ft. price (8" On Center)		4" pot / 8" O.C.	Container	To be approved by Land. Arch. prior to planting

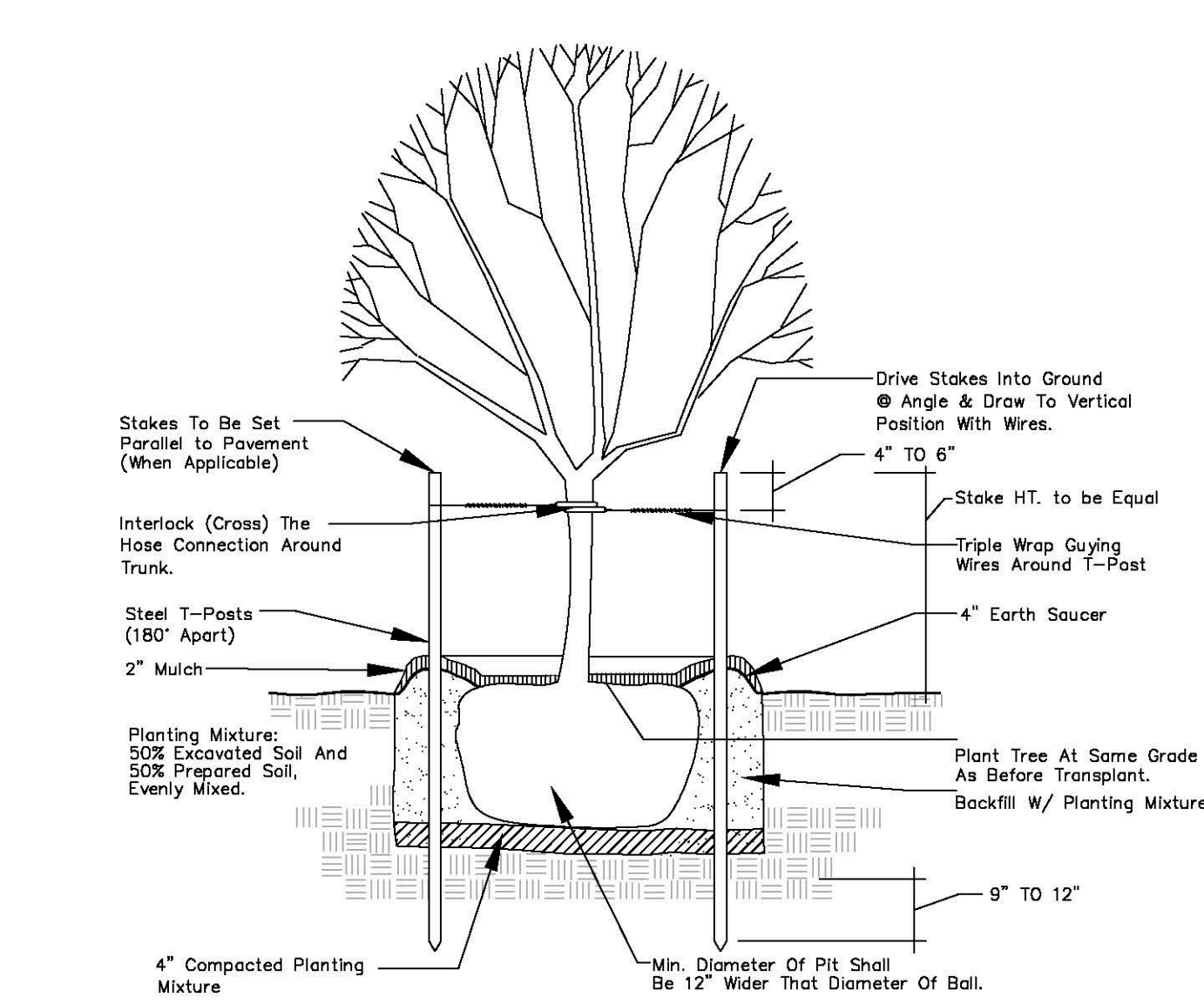
- NOTES:**
- The quantities as shown on the Plant list are to serve only as an aid to bidding. The Landscape Contractor shall verify and be responsible for supplying the quantities necessary to complete the planting as indicated on the planting plans.
 - Substitutions will be permitted only upon authorization by the Owner or his representative.
 - 'Specimen' shall be defined as an exceptionally heavy, symmetrical, tightly knit plant, unquestionably superior in form, number of branches, and symmetry.



SECTION PLANTING BED
SCALE: N.T.S.



SECTION GUYING PLAN
SCALE: N.T.S.



SECTION TREE BI-STAKING
SCALE: N.T.S.

Date	Description	No.
7.14.2021	REVISED PER CONSERVATION COMMISSION	1.

WARREN BRET MONTAGUE
REGISTERED LANDSCAPE ARCHITECT,
MASSACHUSETTS REGISTRATION #1626

Crocker Design Group
2 SHARP STREET, UNIT B
HINGHAM, MA 02043
P: 781-919-0808

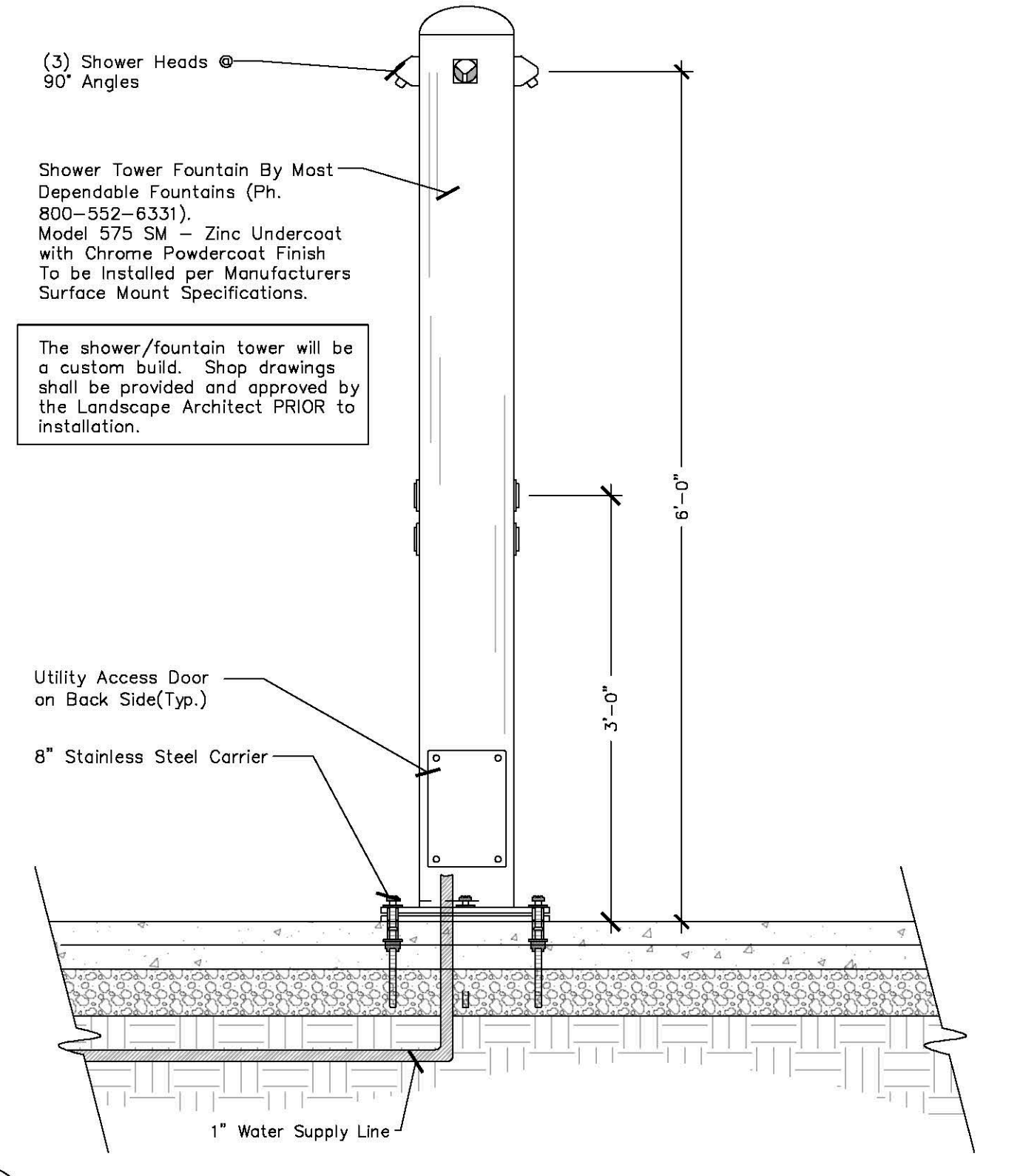
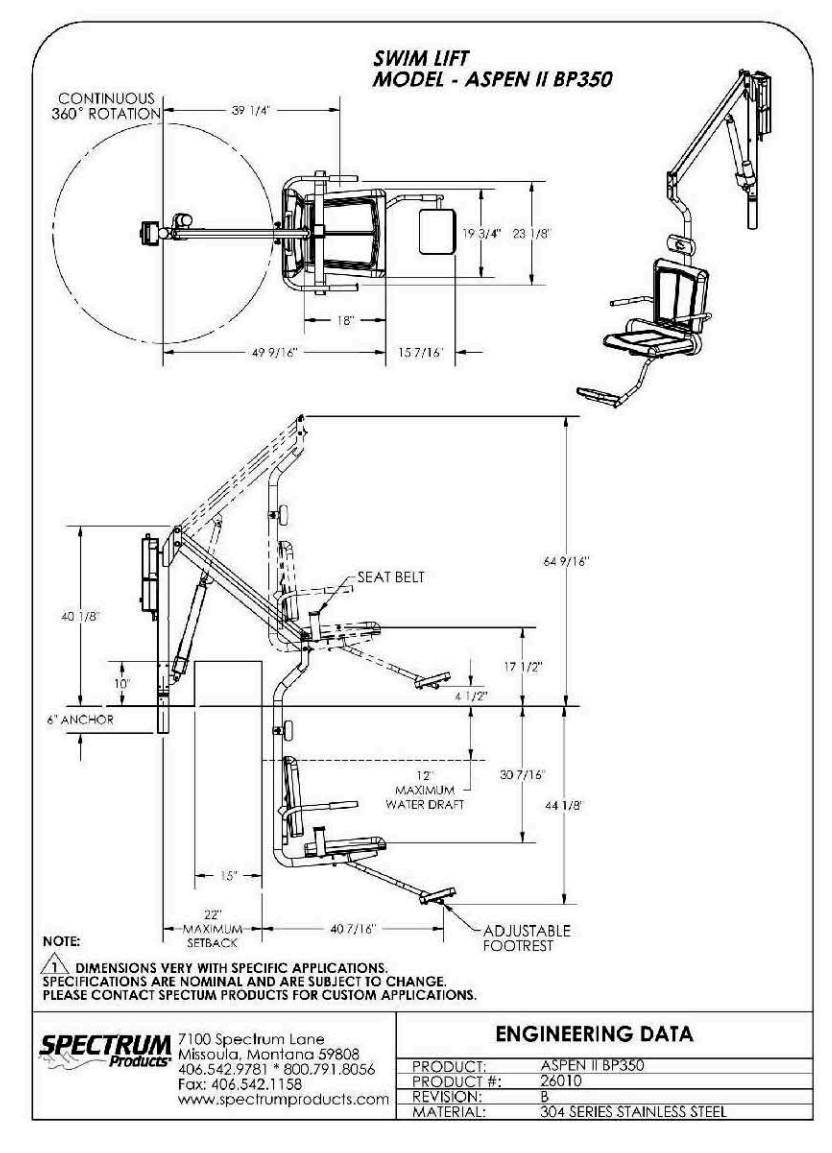
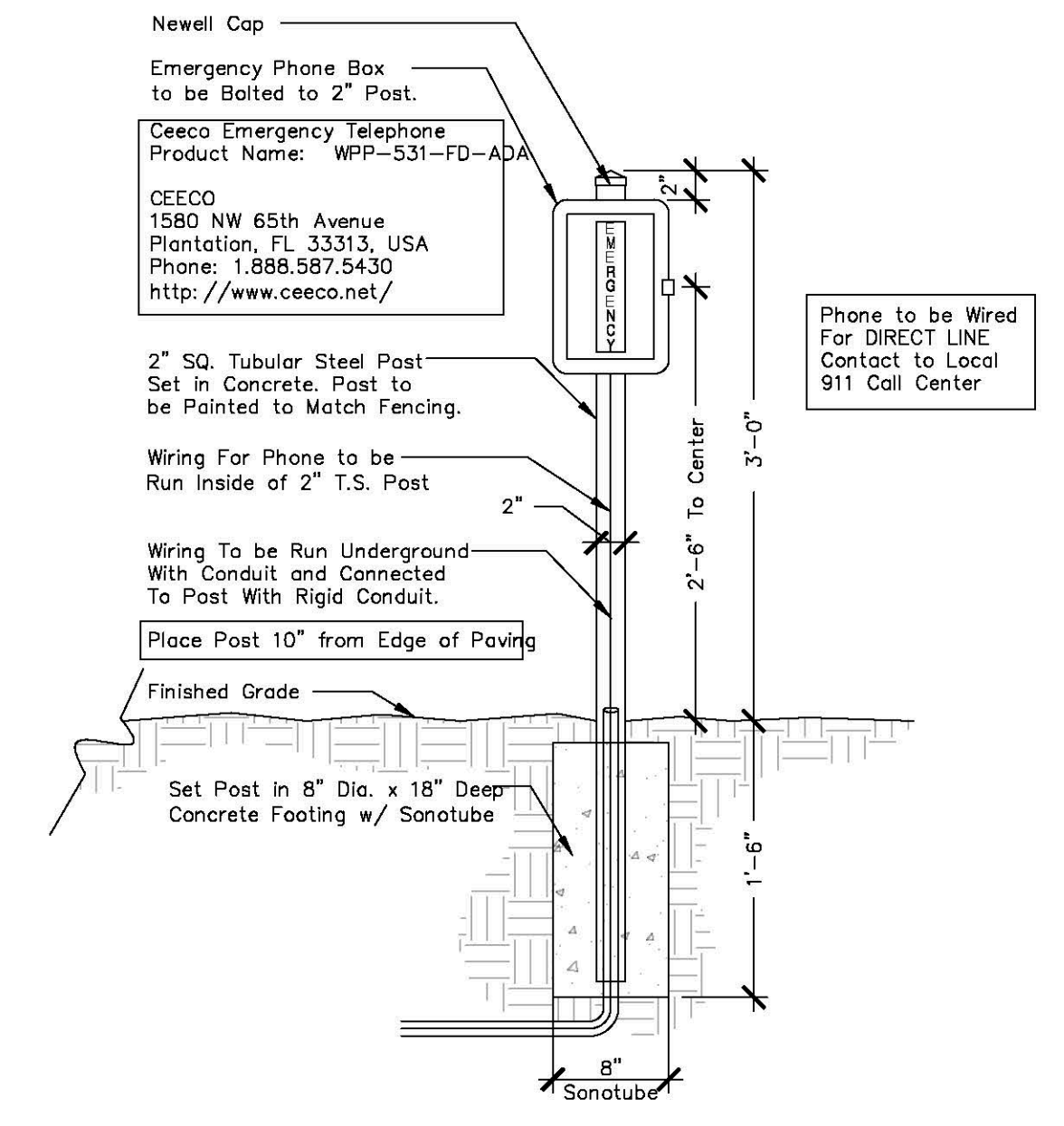
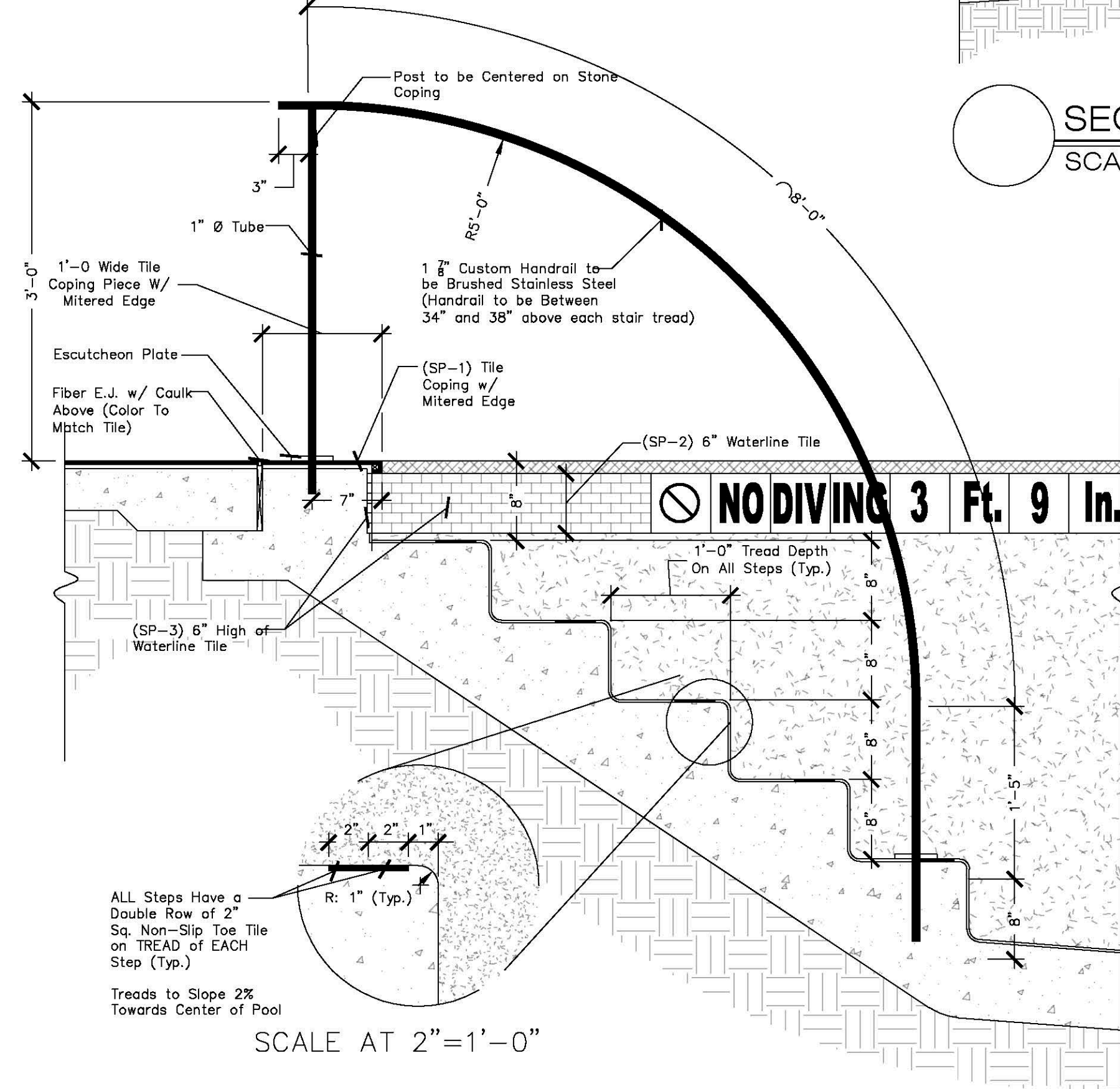
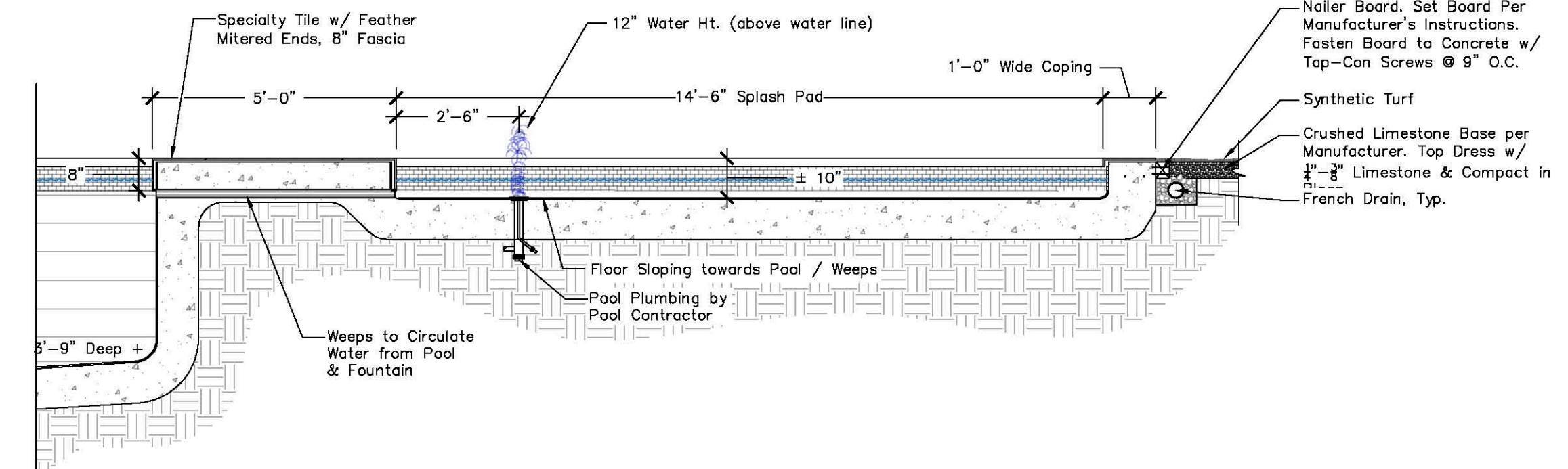
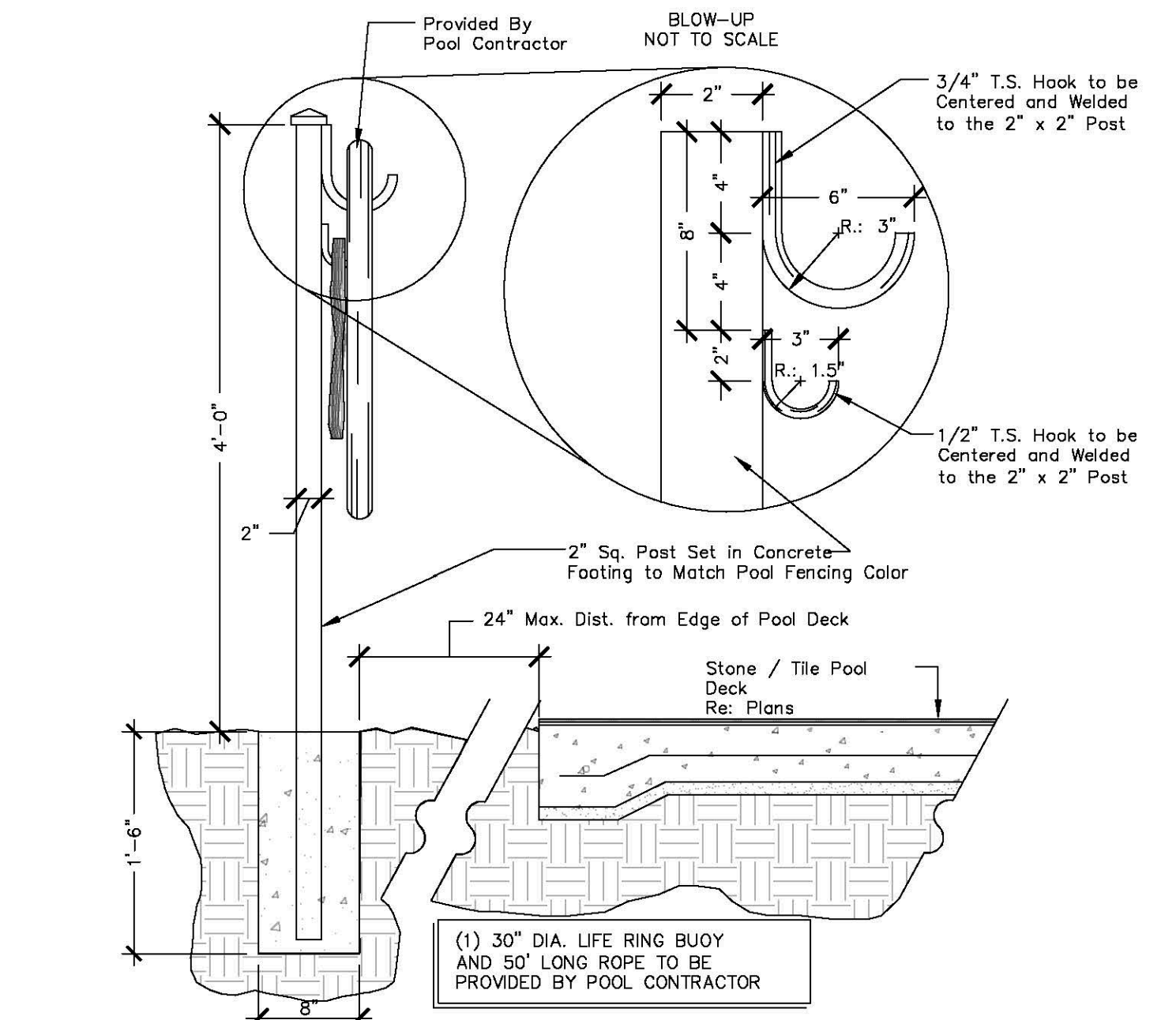
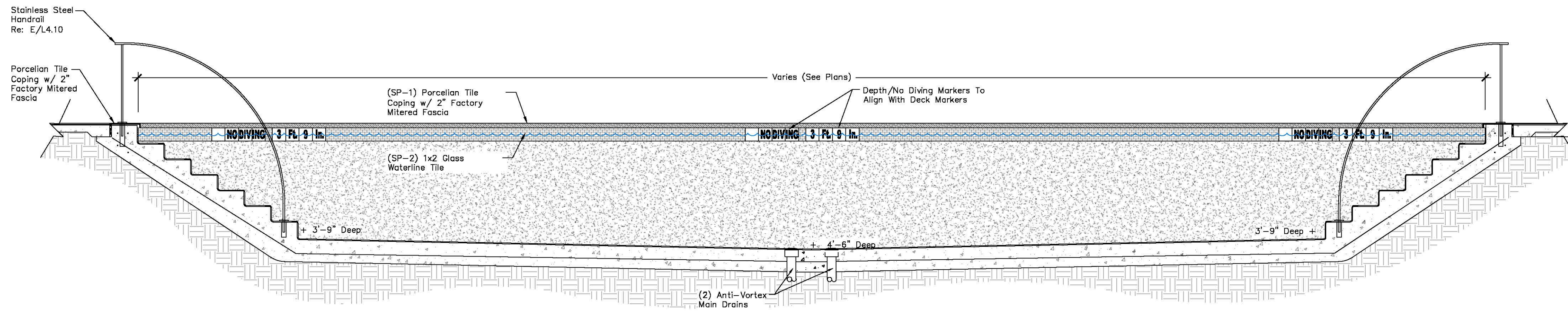
Project
HANOVER WEYMOUTH RESIDENTIAL DEVELOPMENT
#1325 WASHINGTON STREET, WEYMOUTH, MA

Prepared for
HANOVER R.S. LIMITED PARTNERSHIP
ONE MARINE PARK DRIVE, SUITE 701, BOSTON, MA 02219
HANOVER COMPANY

Drawing Title
LANDSCAPE NOTES AND DETAILS

Project No. 100-124
Date 4.8.2021
Scale 1"=30'
Drawn By AS
Approved By GC

C-4.1



Date	Description	No.
7.14.2021	REVISED PER CONSERVATION COMMISSION	1.

Est. 4.8.21

WARREN BRET MONTAGUE
REGISTERED LANDSCAPE ARCHITECT
MASSACHUSETTS REGISTRATION #1626

Crocker Design Group

2 SHARP STREET, UNIT B
HINGHAM, MA 02043
P: 781-919-0808

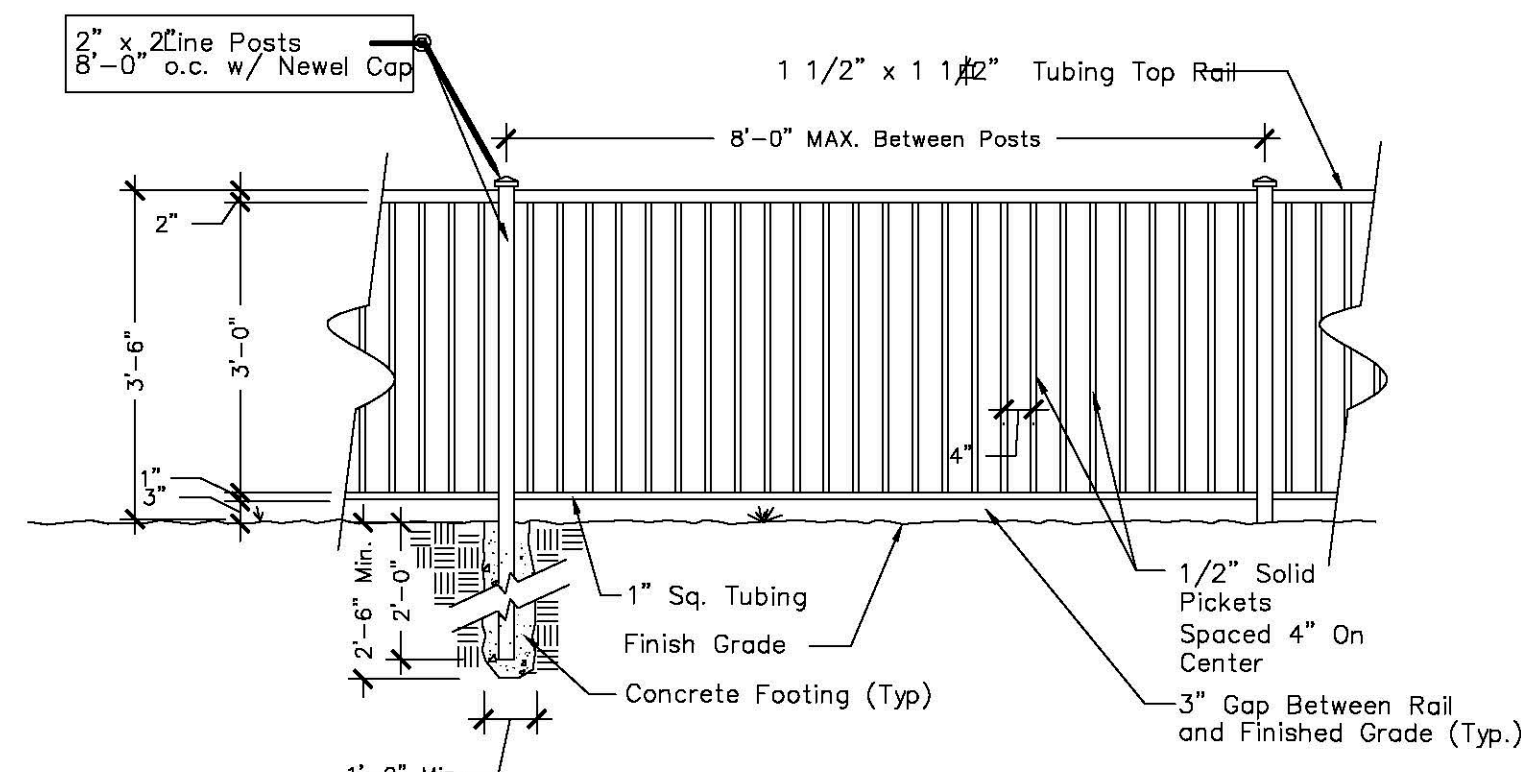
Project
HANOVER WEYMOUTH RESIDENTIAL DEVELOPMENT
#1325 WASHINGTON STREET, WEYMOUTH, MA

Prepared for
HANOVER R.S. LIMITED PARTNERSHIP
ONE MARINE PARK DRIVE, SUITE 701, BOSTON, MA 02219
HANOVER COMPANY

Drawing Title
COURTYARD DETAILS

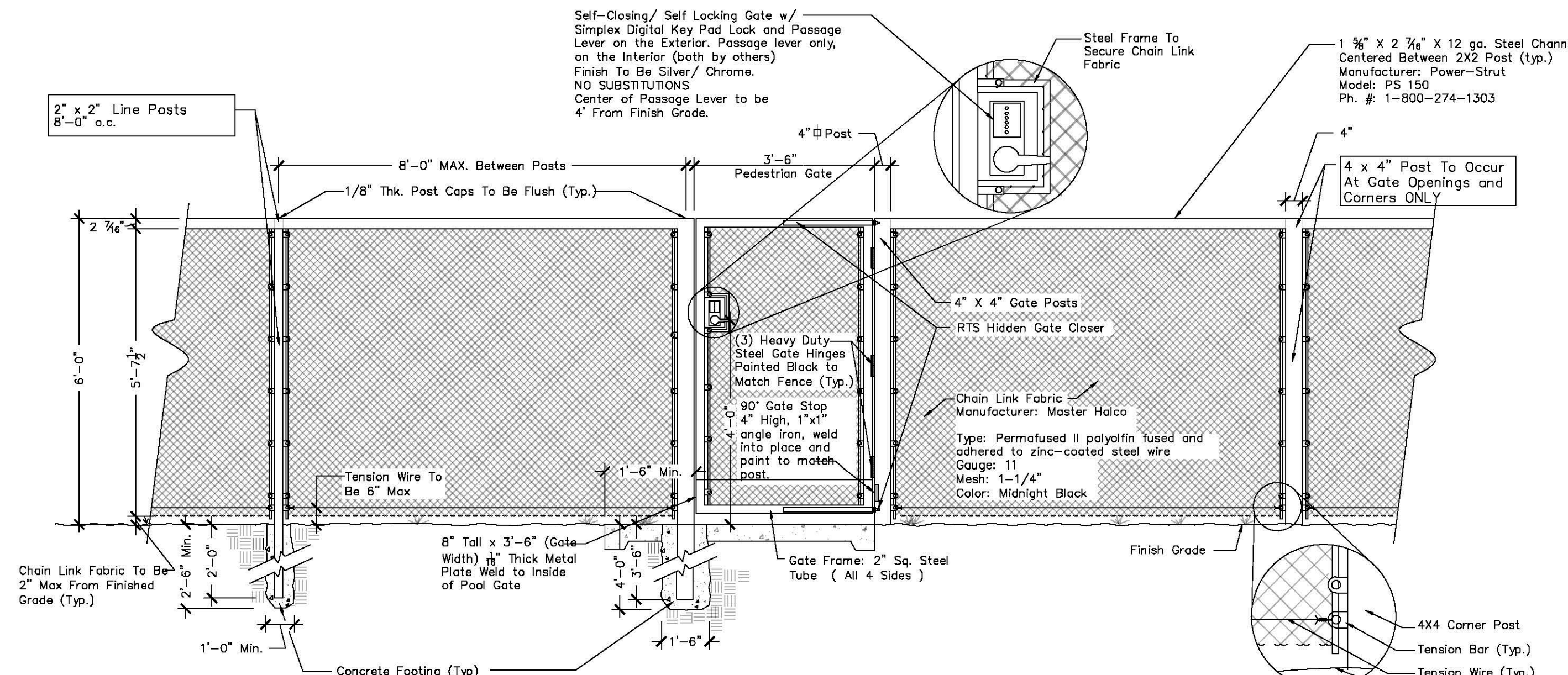
Project No. 100-124
Date 4.8.2021
Scale 1"=30"
Drawn By AS
Approved By GC

Drawing No. **C-4.2**

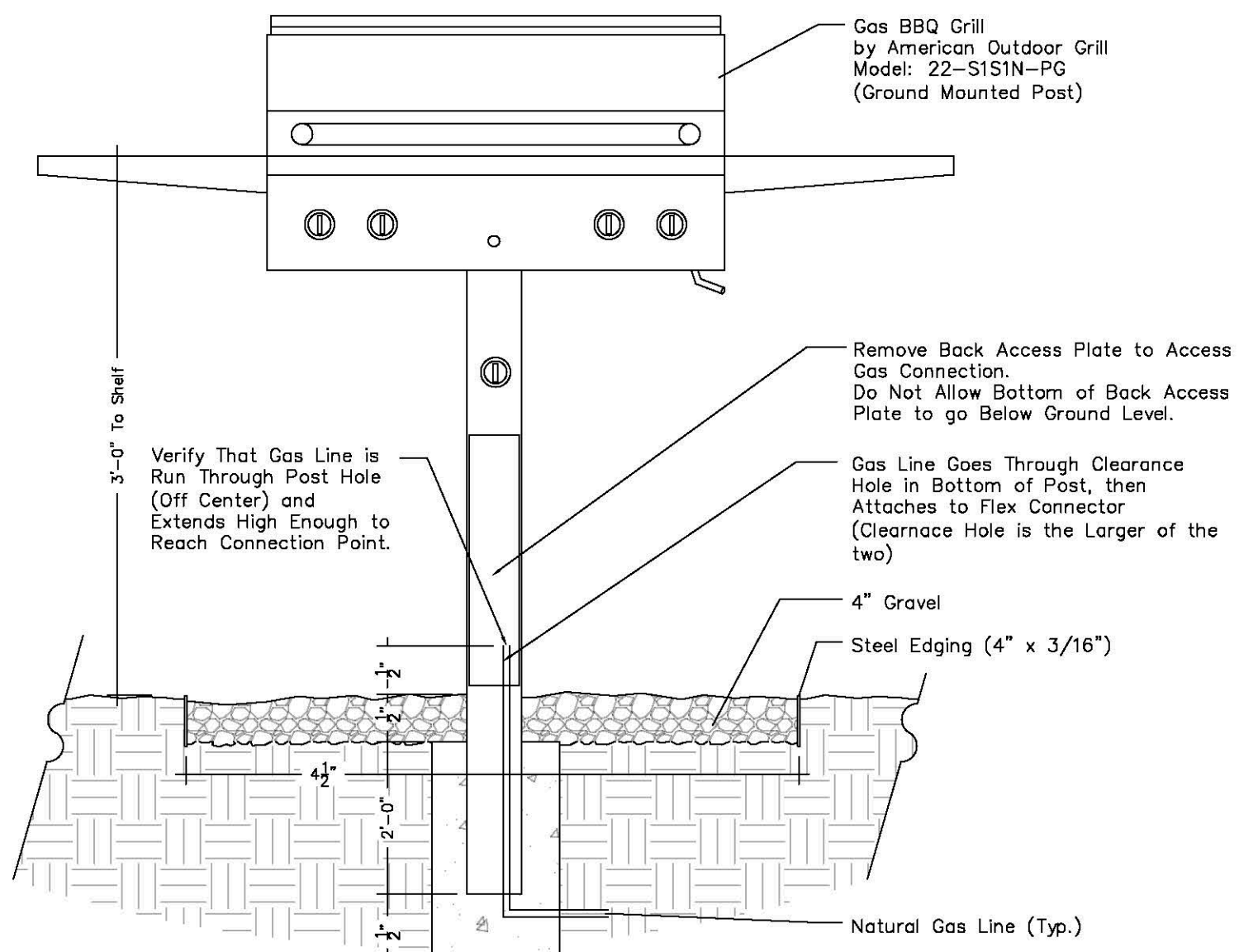


**42" DECORATIVE
'A' FALL RAIL FENCE
& 'BACKYARD' FENCE**

ELEVATION/SECTION
SCALE: 1/2" = 1'-0"

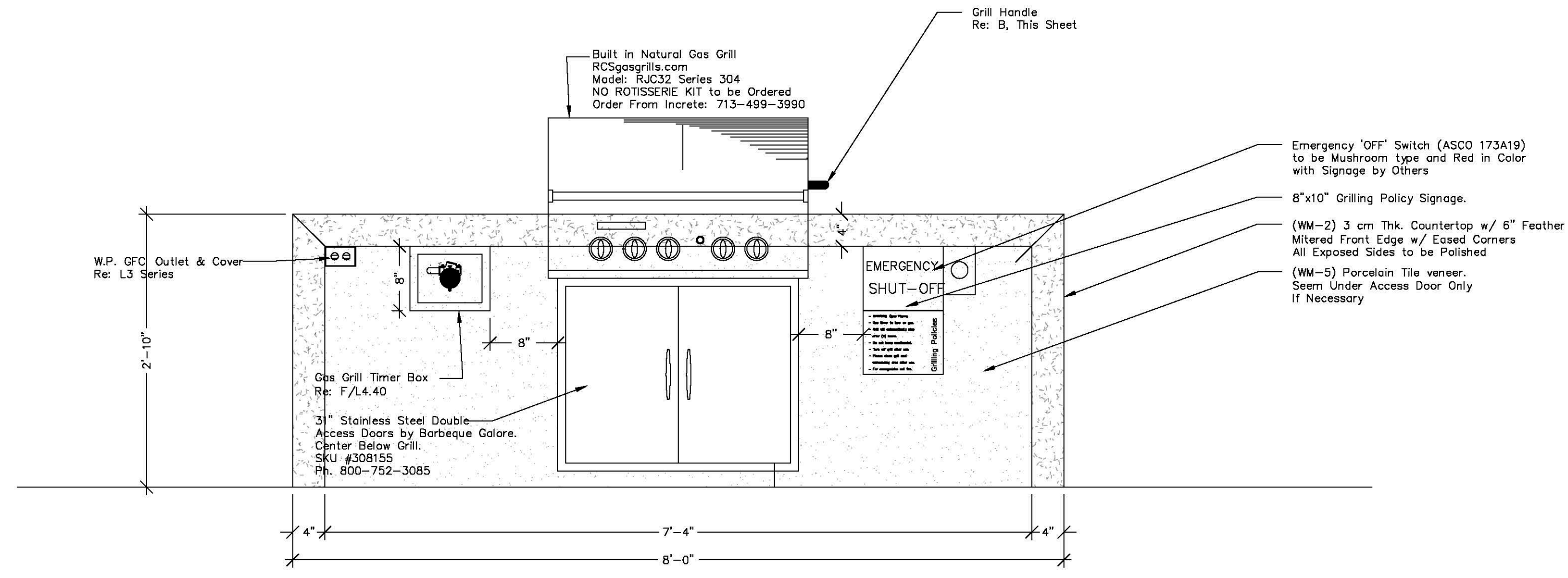


**ELEVATION / SECTION
SCALE: 1/2" = 1'-0"**



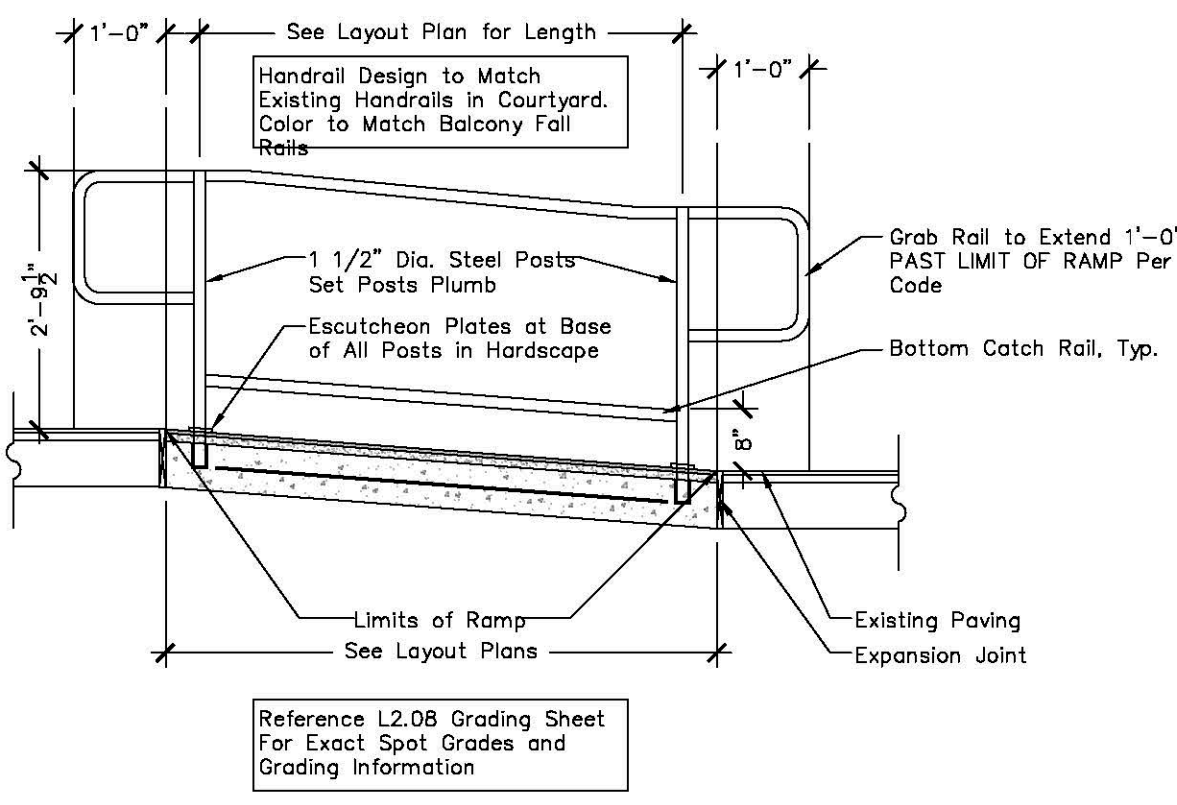
GAS BARBECUE GRILL

ELEVATION
SCALE: 1" = 1'-0"



GAS BBQ GRILL

ELEVATION
SCALE: 1" = 1'-0"



HANDRAIL @ RAMP

ELEVATION / SECTION
SCALE: 1/2" = 1'-0"

Date	Description	No.
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MASSACHUSETTS REGISTRATION #1626

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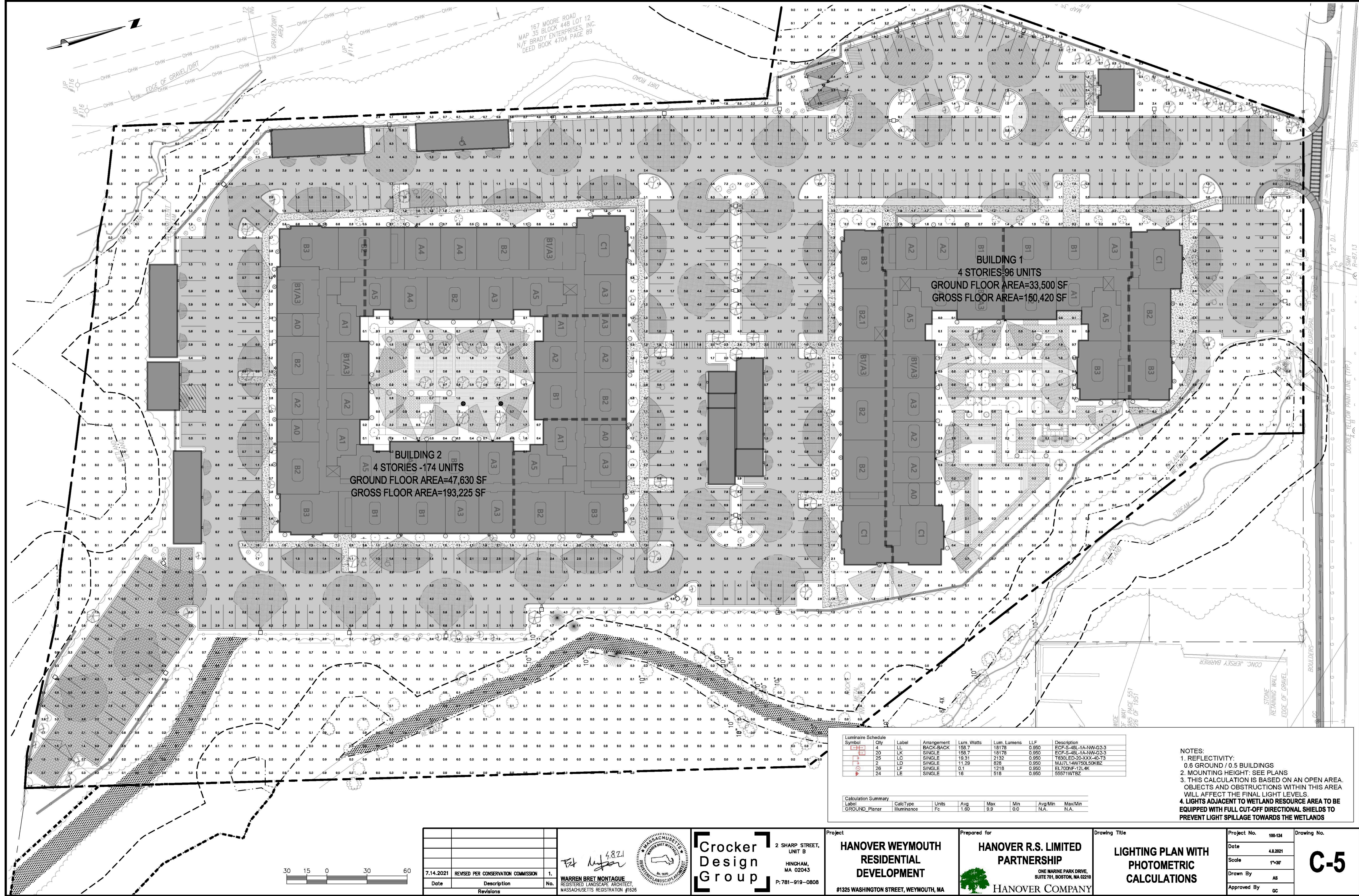
Project
HANOVER WEYMOUTH RESIDENTIAL DEVELOPMENT
#1325 WASHINGTON STREET, WEYMOUTH, MA

Prepared for
HANOVER R.S. LIMITED PARTNERSHIP
ONE MARINE PARK DRIVE, SUITE 701, BOSTON, MA 02219
HANOVER COMPANY

Drawing Title
COURTYARD DETAILS

Project No. 100-124
Date 4.8.2021
Scale 1"=30"
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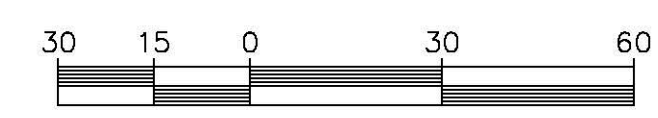
C-4.3



Luminaire Schedule Symbol	Qty	Label	Arrangement	Lum. Watts	Lum. Lumens	LLF	Description
4	1587	LF	BACK-2-BACK	18178	0.950	18178	ECF-S-46L-1A-NW-G2-3
20	1587	LK	SINGLE	1587	0.950	1512	ECF-S-46L-1A-NW-G2-3
25	1931	LC	SINGLE	2132	0.950	2025	T630LED-20-XXX-40-T3
2	1129	LD	SINGLE	928	0.950	881	MULTI-144750ESK8Z
26	0.1	LF	SINGLE	0.1	1218	0.950	EL700NF-12L4K
24	16	LE	SINGLE	16	518	0.950	55571WTBZ

Calculation Summary						
Label	Calc Type	Units	Avg	Max	Min	Avr/Min
GROUND_Planar	Illuminance	Fc	1.60	9.9	0.0	N.A.

NOTES:
 1. REFLECTIVITY: 0.6 GROUND / 0.5 BUILDINGS
 2. MOUNTING HEIGHT: SEE PLANS
 3. THIS CALCULATION IS BASED ON AN OPEN AREA. OBJECTS AND OBSTRUCTIONS WITHIN THIS AREA WILL AFFECT THE FINAL LIGHT LEVELS.
 4. LIGHTS ADJACENT TO WETLAND RESOURCE AREA TO BE EQUIPPED WITH FULL CUT-OFF DIRECTIONAL SHIELDS TO PREVENT LIGHT SPILLAGE TOWARDS THE WETLANDS



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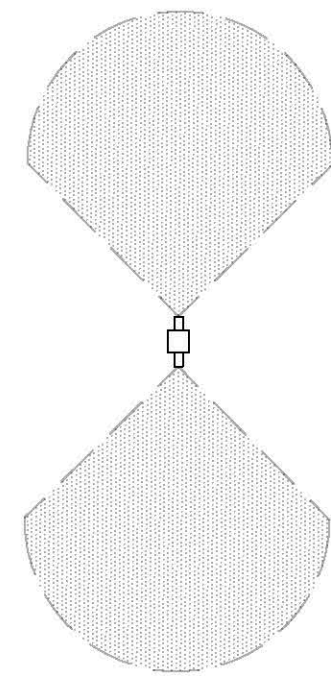
Project
HANOVER WEYMOUTH RESIDENTIAL DEVELOPMENT
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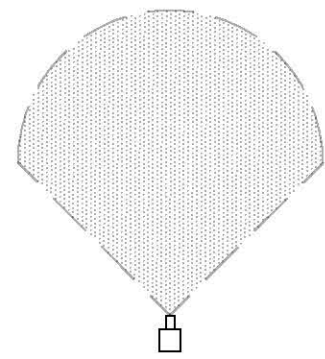
Drawing Title
LIGHTING PLAN WITH PHOTOMETRIC CALCULATIONS

Project No. 100-124
 Date 4.8.2021
 Scale 1"=30'
 Drawn By AS
 Approved By GC
C-5

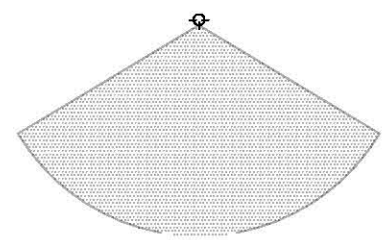
LEGEND



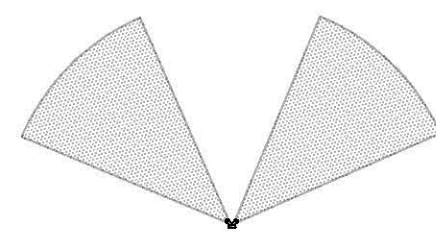
DOUBLE FIXTURE POLE LIGHT



SINGLE FIXTURE POLE LIGHT



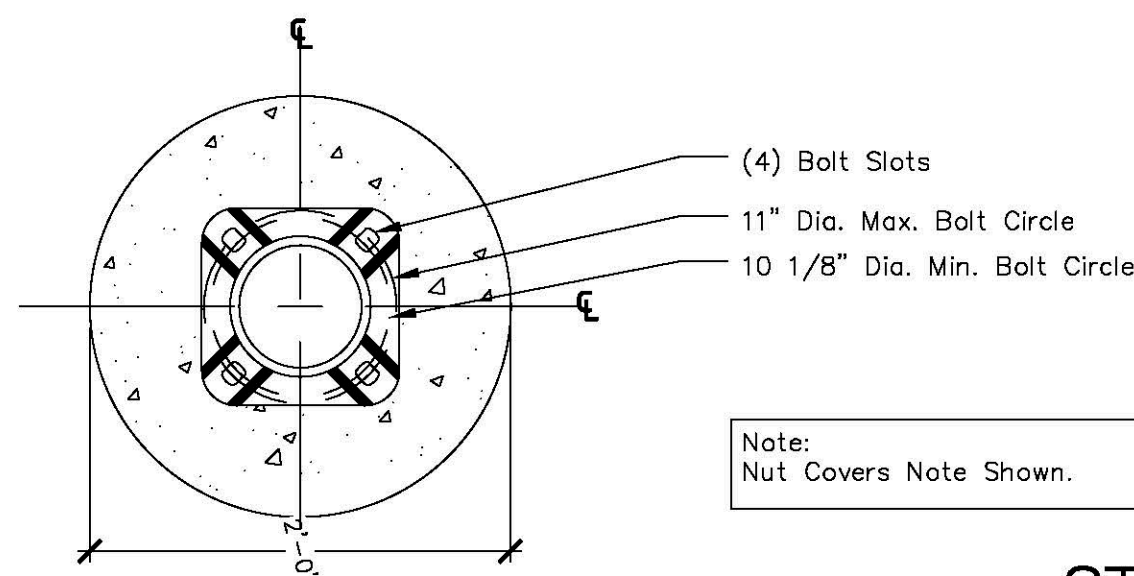
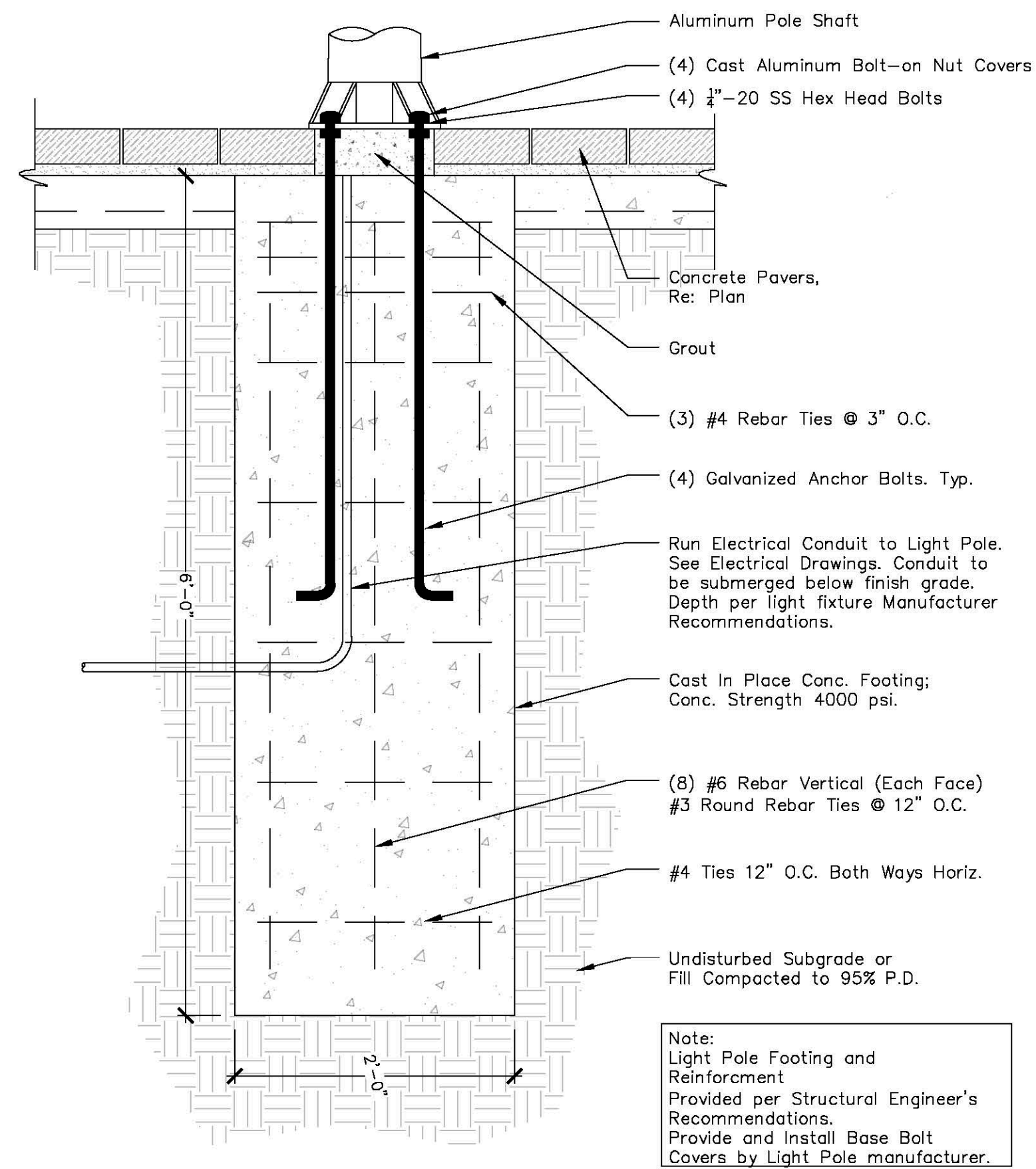
BUILDING WALL MOUNTED LIGHT



DOUBLE BUILDING MOUNTED DOWN LIGHT



BUILDING MOUNTED SCONCE LIGHT

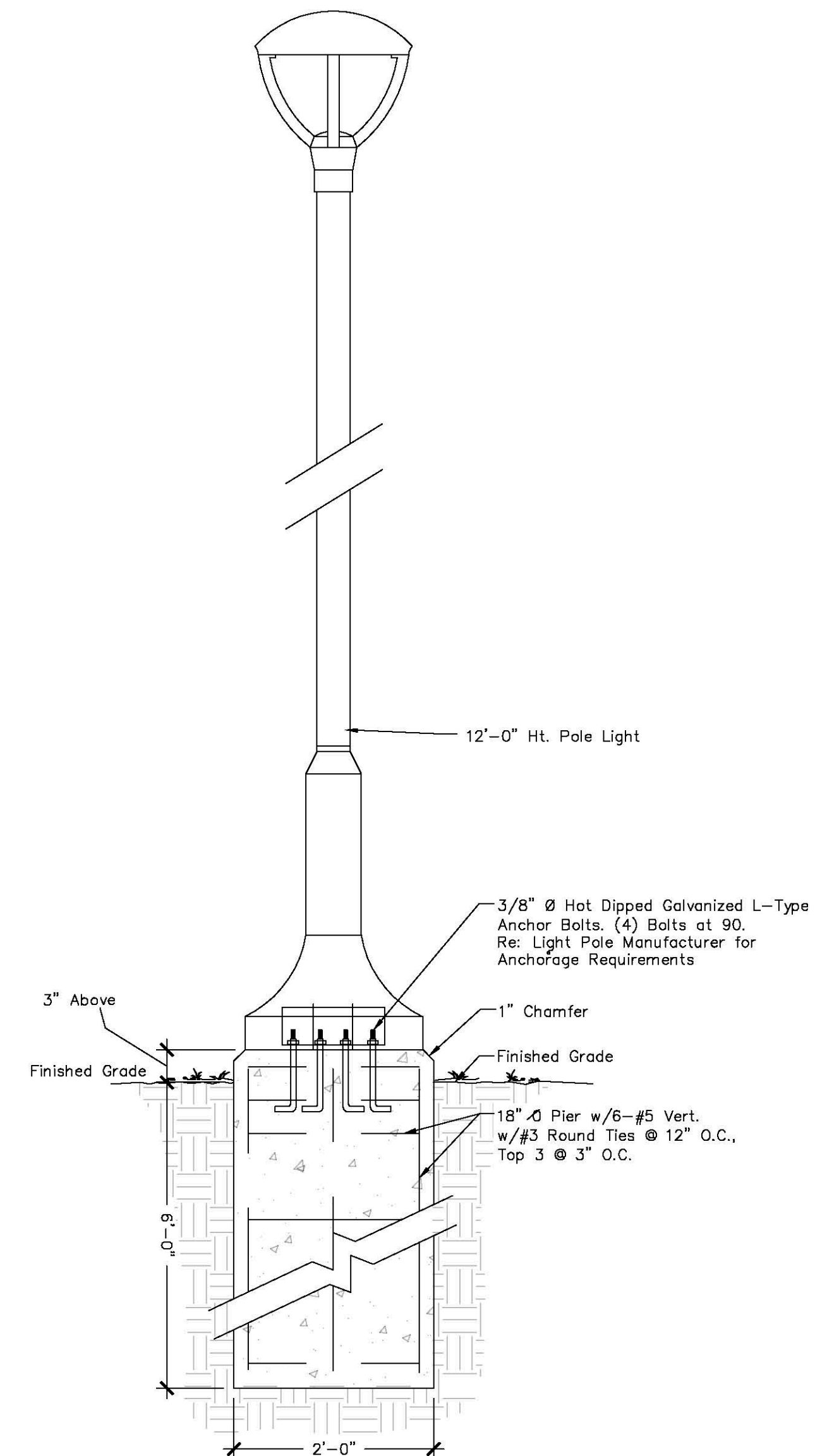


PLAN/SECTION

SCALE:

STREETLIGHT FOUNDATION

1" = 1'-0"



SECTION

SCALE:

12' HT. POLE LIGHT

1" = 1'-0"

Date	Description	No.
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WARREN BRET MONTAGUE
 REGISTERED LANDSCAPE ARCHITECT,
 MASSACHUSETTS REGISTRATION #1626

Crocker Design Group
 2 SHARP STREET, UNIT B
 HINGHAM, MA 02043
 P: 781-919-0808

Project
HANOVER WEYMOUTH RESIDENTIAL DEVELOPMENT
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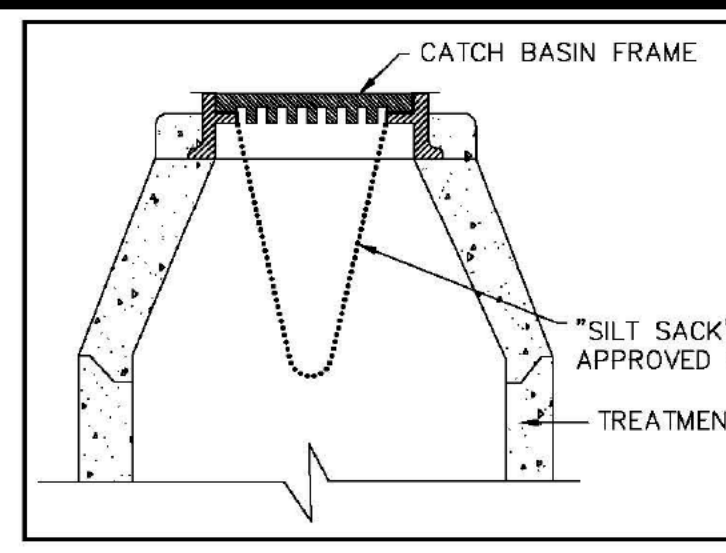
Drawing Title
LIGHTING NOTES AND DETAILS

Project No.	100-124
Date	4.8.2021
Scale	1"=30'
Drawn By	AS
Approved By	GC

Drawing No.
C-5.1

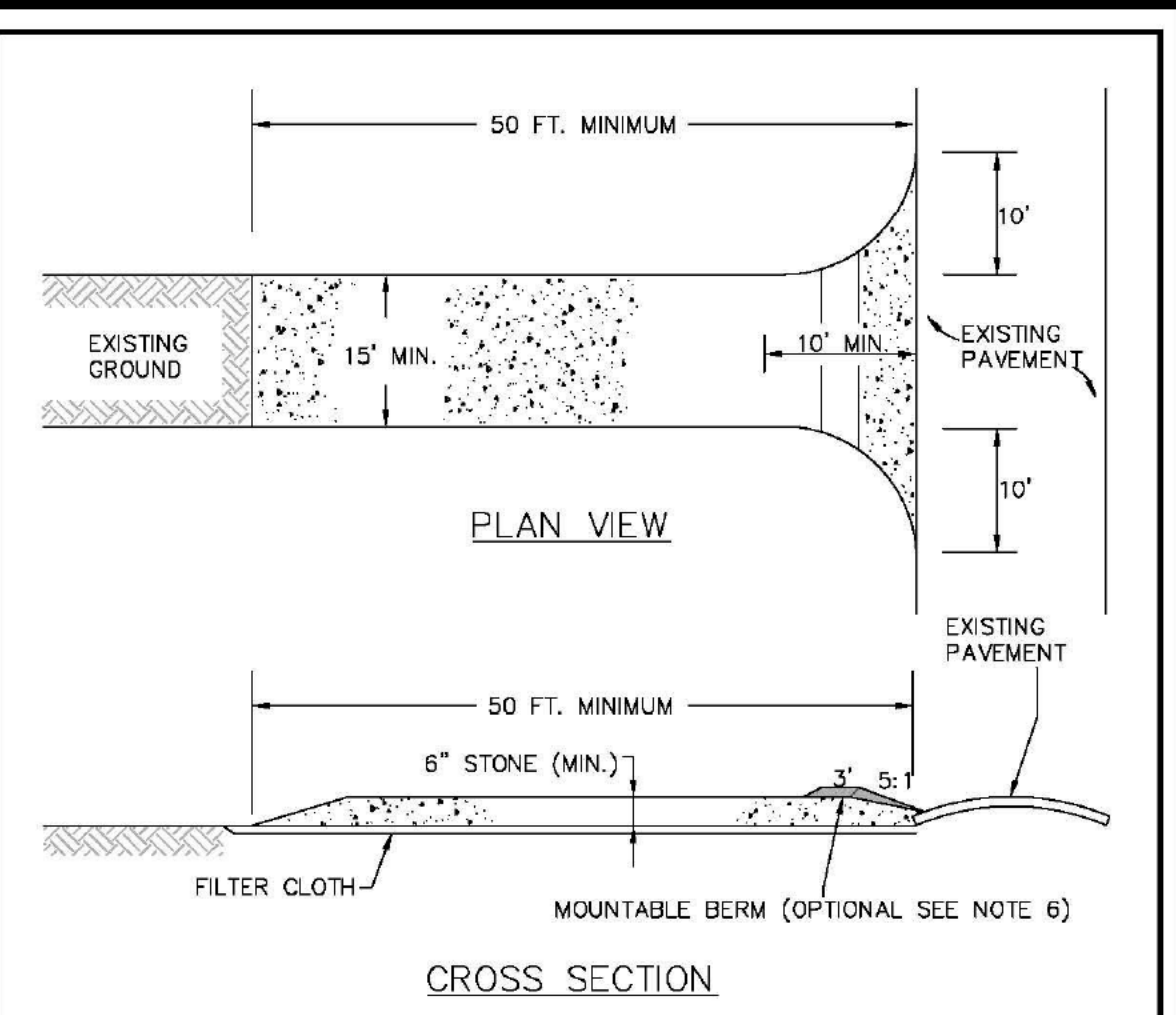
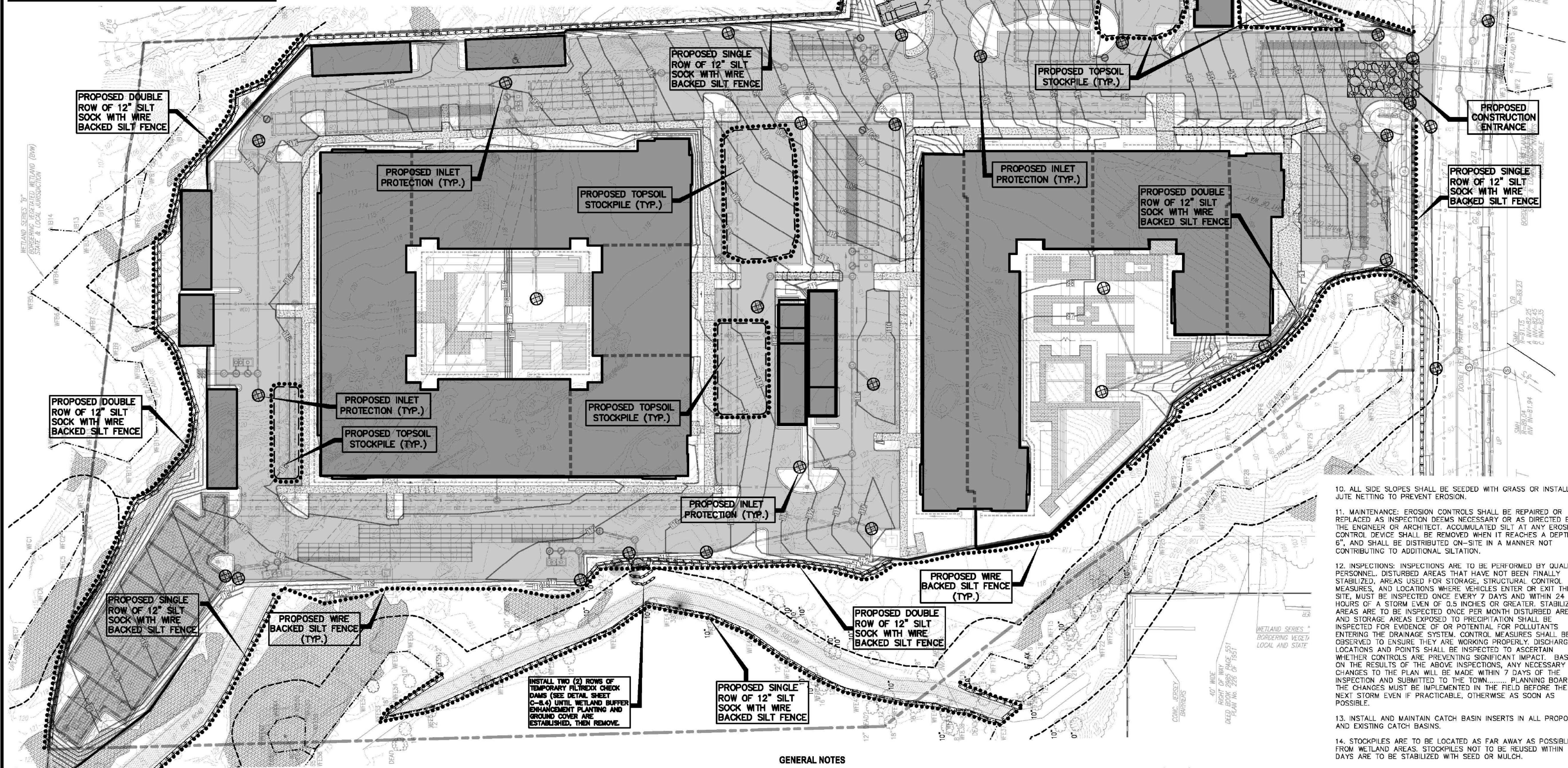
LEGEND

- PROPOSED TOPSOIL STOCKPILE
- PROPOSED LIMIT OF DISTURBANCE
- PROPOSED 12" SILT SOCK ROW
- PROPOSED WIRE BACKED SILT FENCE
- PROPOSED CONSTRUCTION ENTRANCE
- ⊙ PROPOSED INLET PROTECTION (SILT SACK OR EQUAL)



NOTES:
 1. TO BE INSTALLED IN ALL GRATED TREATMENT UNITS AFTER INSTALLATION AND UNTIL COMPLETION OF CONSTRUCTION.
 2. BOOT ADAPTER MAY BE TRIMMED TO SIZE.

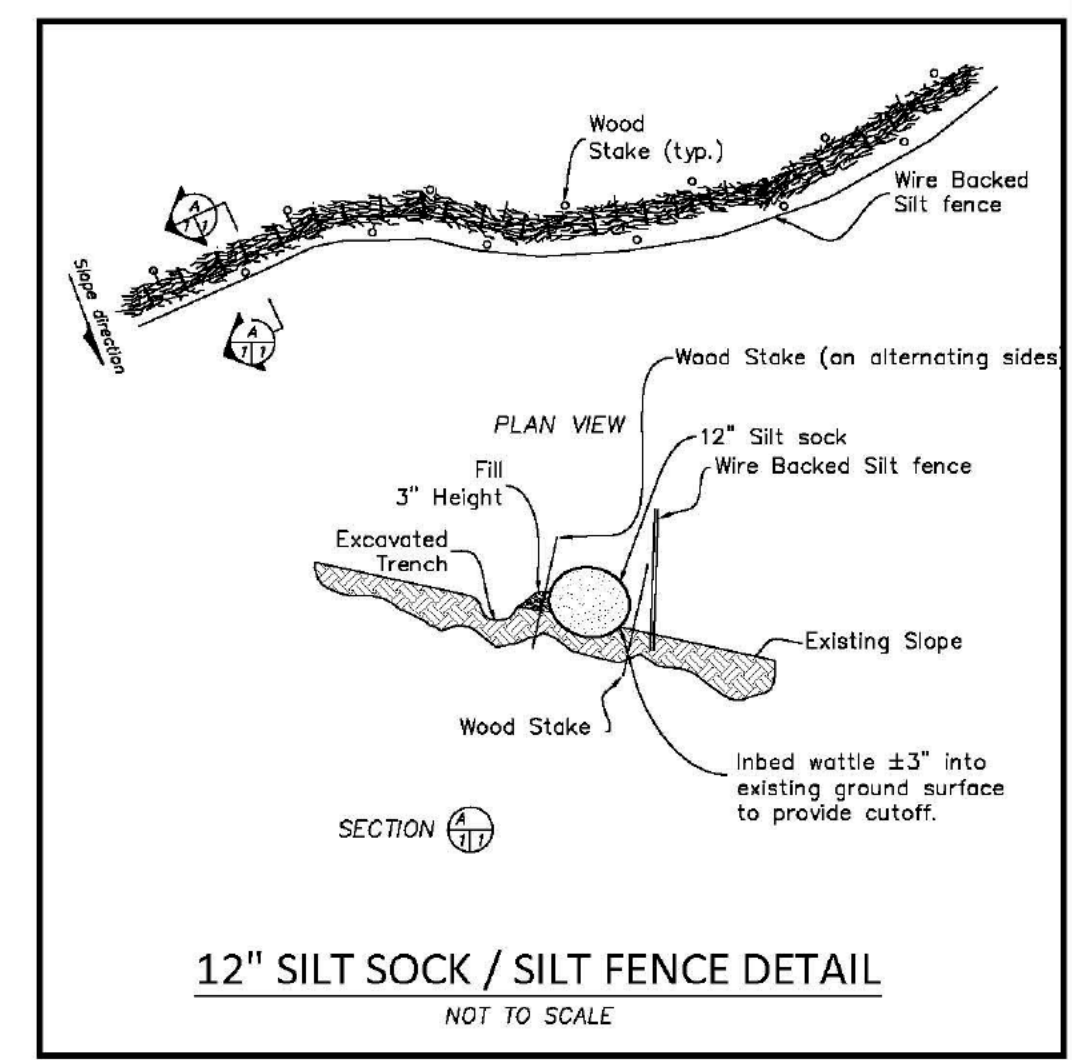
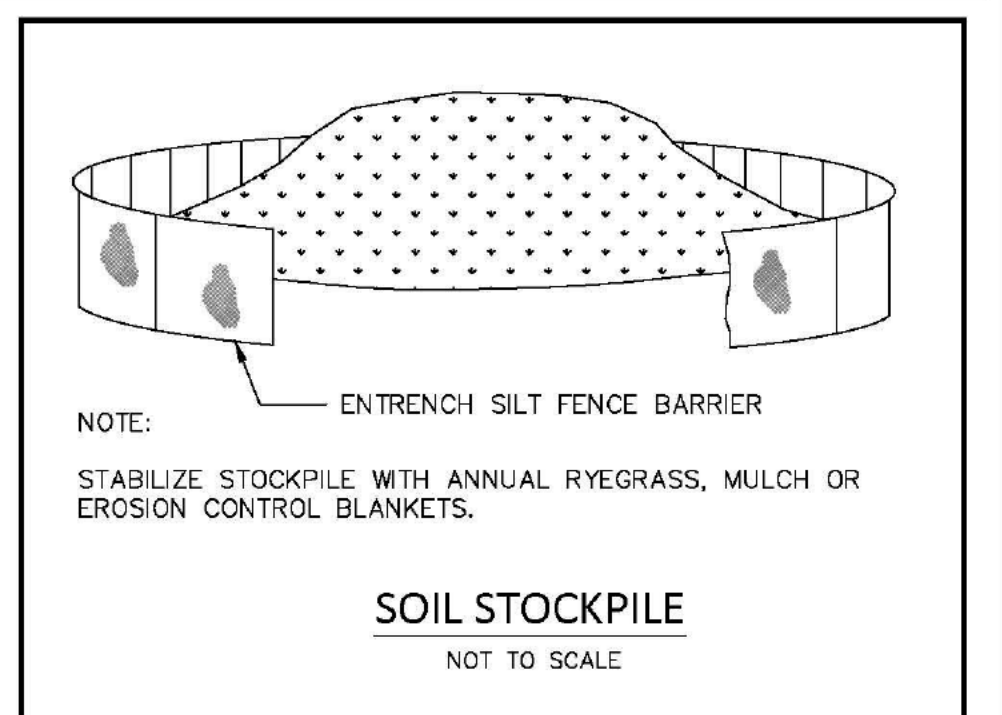
"SILT SACK" FILTER BAG
(N.T.S.)



CONSTRUCTION ENTRANCE
NOT TO SCALE

CONSTRUCTION SPECIFICATIONS:

1. STONE SIZE-USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH-RECOMMEND GREATER THAN OR EQUAL TO 50 FEET WHERE SOILS ARE SANDS AND GRAVELS AND 100 FEET IN SILTS AND CLAYS.
3. THICKNESS-NOT LESS THAN SIX (6) INCHES.
4. WIDTH-FIFTEEN (15) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OF EGRESS OCCURS.
5. FILTER CLOTH-SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
6. SURFACE WATER-ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE, IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM SHALL BE INSTALLED.
7. MAINTENANCE- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH SHALL PREVENT TRACKING OF FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED.



CONSTRUCTION PHASING:

1. BELOW IS PRESENTED A GENERAL CONSTRUCTION PHASING. A MORE DETAILED SCHEDULE IS PRESENTED IN THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP).
2. EROSION AND SEDIMENTATION CONTROL MEASURES INCLUDING SILT SOCKS AND SILT FENCE WILL BE INSTALLED. CONTRACTOR SHALL INSPECT CONTROL MEASURES MONTHLY AND AFTER RAIN EVENTS OF 0.5" OR GREATER.
3. THE PROJECT AREA WILL BE CLEARED OF DEBRIS AND BOULDERS. MATERIAL REMOVED FROM THE SITE WILL BE TRANSPORTED TO AN APPROPRIATE FACILITY OR WILL BE DISPOSED OF ELSEWHERE ACCORDING TO FEDERAL, STATE, AND LOCAL GUIDELINES. INACTIVE STOCKPILES OR AREAS OF GRANULAR MATERIAL OR TOPSOIL SHALL BE TEMPORARILY SEEDED OR MULCHED IN ORDER TO CONTROL SEDIMENT LADEN RUNOFF.
4. CONTRACTOR IS RESPONSIBLE TO SET OUT UTILITIES AND ANY NECESSARY GRADES.
5. GRADING OF SITE INCLUDING BUILDING PADS, PARKING AREAS, AND DETENTION BASINS AND DIGGING OF UTILITY TRENCHES TO DEFINED INVERT LEVELS. MATERIAL TO BE STORED ON AN UNUSED SITE AREA FOR FILL OR PROPERLY REMOVED FROM THE JOB SITE. IF SUITABLE TOPSOIL IS FOUND, IT WILL BE REMOVED AND STOCKPILED IN AN UPLAND AREA AT LEAST 100' FROM WETLANDS TO BE REUSED AS TOPSOIL ON THE PROJECT.
6. PLACING OF FILL OR SUITABLE MATERIAL ON ALL ACCESS ROADS FOR EASY ACCESS. SETTING OUT OF FOUNDATIONS AND SURROUNDING ROADS.
7. LAYING OF ALL UTILITIES INCLUDING DRAINAGE PIPES AND STRUCTURES FOLLOWED BY BACK-FILL, TAKING CARE TO LEAVE ONLY TRENCHES BEING WORKED ON OPEN.
8. FINE GRADING FOR THE PARKING AREAS, ROADWAYS, AND DRAINAGE BASINS TO BE COMPLETED.
9. DRAINAGE BASIN VEGETATION TO BE ESTABLISHED PRIOR TO DISCHARGE FROM CONSTRUCTED DRAINAGE STRUCTURES.
10. ONCE THE DRAINAGE STRUCTURES ARE INSTALLED, PROVIDE PROTECTION AT ALL CATCH BASINS AND INLETS TO PREVENT SEDIMENT FROM ENTERING THE DRAINAGE SYSTEM.
11. INSTALL BINDER COURSE AND SPREAD TOPSOIL AS NEEDED.
12. LIGHT POLES, SIGNAGE, ETC. WILL BE INSTALLED.
13. INSTALL TOP COURSE OF PAVING AND SIDEWALK.
14. THE FINAL PHASE OF CONSTRUCTION IS RESTORATION AND STABILIZATION OF ALL EXPOSED SURFACES. DISTURBED AREAS SHALL BE LANDSCAPED OR SEEDED (SEE ADDITIONAL DISCUSSION IN SWPPP). IN THE EVENT THAT WEATHER CONDITIONS PREVENT FINAL STABILIZATION, TEMPORARY EROSION AND SEDIMENTATION MEASURES WILL BE EMPLOYED UNTIL THE TEMPERATURE AND WEATHER IS SUITABLE FOR GRASS GROWING. A FINAL INSPECTION WILL ENSURE THAT THE SITE IS CLEARED OF ALL PROJECT DEBRIS AND THAT EROSION AND SEDIMENTATION CONTROLS ARE FUNCTIONING PROPERLY. SILT SOCK AND SILT FENCE WILL REMAIN IN PLACE UNTIL THE SITE IS FULLY STABILIZED AND THE SITE HAS PASSED FINAL INSPECTION. VEGETATION IS TO BE OF A UNIFORM DENSITY OF AT LEAST 75% FOR ACCEPTANCE.

GENERAL NOTES

1. CONTRACTOR TO ABIDE BY PROVISIONS OF EPA NOI NPDES STORMWATER POLLUTION PREVENTION PLAN (SWPPP) AND BY STORMWATER MANAGEMENT OPERATION AND MAINTENANCE PLAN
2. ALL TEMPORARY STOCKPILE AREAS SHALL HAVE EROSION CONTROLS (HAYBALES AND SILT FENCE) AROUND THE PERIMETER.
3. UNDERGROUND UTILITIES MAY EXIST THAT ARE NOT SHOWN ON THIS PLAN. DIG SAFE MUST BE NOTIFIED (1-800-344-7233) AT LEAST 72 HOURS PRIOR TO ANY CONSTRUCTION.
4. ALL SEDIMENTATION AND EROSION CONTROL MEASURES SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. SEDIMENTATION AND EROSION CONTROL MEASURES SHALL BE IN PLACE AND OBSERVED PRIOR TO ANY WORK STARTING ON THE PROJECT.
5. SITE ENTRY AND EXIT LOCATIONS SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC ROADWAYS. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ON A PUBLIC ROADWAY MUST BE REMOVED IMMEDIATELY. WHEN WASHING IS REQUIRED TO REMOVE SEDIMENT PRIOR TO ENTRANCE TO A PUBLIC ROADWAY, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED SEDIMENT BASIN. ALL FINES IMPOSED FOR TRACKING ONTO PUBLIC ROADS SHALL BE PAID BY THE CONTRACTOR.
6. TEMPORARY SEEDING OR OTHER METHOD OF STABILIZATION SHALL BE INITIATED WITHIN 14 DAYS OF THE LAST DISTURBANCE ON ANY AREA OF THE SITE, UNLESS ADDITIONAL CONSTRUCTION OF THE AREAS IS EXPECTED WITHIN 21 DAYS OF THE LAST DISTURBANCE.
7. UPON COMPLETION OF FINE GRADING, ALL AREAS NOT OTHERWISE PERMANENTLY STABILIZED SHALL BE SEEDED AND MAINTAINED UNTIL A UNIFORM COVERAGE OF 75%± MINIMUM DENSITY, AS DETERMINED BY THE OWNER'S REPRESENTATIVE, IS ACHIEVED.
8. MAINTENANCE - EROSION CONTROLS SHALL BE REPAIRED OR REPLACED AS INSPECTION DEEMS NECESSARY OR AS DIRECTED BY THE ENGINEER OR ARCHITECT. ACCUMULATED SILT AT ANY EROSION CONTROL DEVICE SHALL BE REMOVED WHEN IT REACHES A DEPTH OF 6", AND SHALL BE DISTRIBUTED ON-SITE IN A MANNER NOT CONTRIBUTING TO ADDITIONAL SILTATION.
9. ANY CONTRACTOR IS RESPONSIBLE FOR REESTABLISHING ANY EROSION CONTROL DEVICE WHICH HE DISTURBS. EACH CONTRACTOR SHALL NOTIFY THE ENGINEER/ARCHITECT OF ANY DEFICIENCIES IN THE ESTABLISHED EROSION CONTROL MEASURES WHICH MAY LEAD TO UNAUTHORIZED DISCHARGE OR STORM WATER POLLUTION, SEDIMENTATION OR OTHER POLLUTANTS. UNAUTHORIZED POLLUTANTS INCLUDE, BUT ARE NOT LIMITED TO, EXCESS CONCRETE DUMPING OR CONCRETE RESIDUE, PAINTS, SOLVENTS, GREASE, FUEL, AND LUBE OIL, PESTICIDES, ANY SOLID WASTE MATERIALS.
10. ALL SIDE SLOPES SHALL BE SEEDED WITH GRASS OR INSTALL JUTE NETTING TO PREVENT EROSION.
11. MAINTENANCE: EROSION CONTROLS SHALL BE REPAIRED OR REPLACED AS INSPECTION DEEMS NECESSARY OR AS DIRECTED BY THE ENGINEER OR ARCHITECT. ACCUMULATED SILT AT ANY EROSION CONTROL DEVICE SHALL BE REMOVED WHEN IT REACHES A DEPTH OF 6", AND SHALL BE DISTRIBUTED ON-SITE IN A MANNER NOT CONTRIBUTING TO ADDITIONAL SILTATION.
12. INSPECTIONS: INSPECTIONS ARE TO BE PERFORMED BY QUALIFIED PERSONNEL. DISTURBED AREAS THAT HAVE NOT BEEN FINALLY STABILIZED, AREAS USED FOR STORAGE, STRUCTURAL CONTROL MEASURES, AND LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE, MUST BE INSPECTED ONCE EVERY 7 DAYS AND WITHIN 24 HOURS OF A STORM EVEN OF 0.5 INCHES OR GREATER. STABILIZED AREAS ARE TO BE INSPECTED ONCE PER MONTH. DISTURBED AREAS AND STORAGE AREAS EXPOSED TO PRECIPITATION SHALL BE INSPECTED FOR EVIDENCE OF OR POTENTIAL FOR POLLUTANTS ENTERING THE DRAINAGE SYSTEM. CONTROL MEASURES SHALL BE OBSERVED TO ENSURE THEY ARE WORKING PROPERLY. DISCHARGE LOCATIONS AND POINTS SHALL BE INSPECTED TO ASCERTAIN WHETHER CONTROLS ARE PREVENTING SIGNIFICANT IMPACT. BASED ON THE RESULTS OF THE ABOVE INSPECTIONS, ANY NECESSARY CHANGES TO THE PLAN WILL BE MADE WITHIN 7 DAYS OF THE INSPECTION AND SUBMITTED TO THE TOWN PLANNING BOARD. THE CHANGES MUST BE IMPLEMENTED IN THE FIELD BEFORE THE NEXT STORM EVEN IF PRACTICABLE, OTHERWISE AS SOON AS POSSIBLE.
13. INSTALL AND MAINTAIN CATCH BASIN INSERTS IN ALL PROPOSED AND EXISTING CATCH BASINS.
14. STOCKPILES ARE TO BE LOCATED AS FAR AWAY AS POSSIBLE FROM WETLAND AREAS. STOCKPILES NOT TO BE REUSED WITHIN 30 DAYS ARE TO BE STABILIZED WITH SEED OR MULCH.
15. CONTRACTOR TO MAINTAIN WITHIN LIMITS OUTSIDE NSTAR EASEMENT EXCEPT FOR SPECIFIC AREAS IDENTIFIED TO BE DISTURBED WITHIN EASEMENT.
16. POTENTIAL STOCK PILE AREA TO BE PROTECTED WITH EROSION CONTROL MEASURES.
17. THE CONTRACTOR SHALL HAVE A WATER TRUCK ON-SITE AT ALL TIMES AND SHALL PROVIDE TEMPORARY PLANTINGS OR OTHER COVERINGS SUCH AS WOOD CHIPS TO MINIMIZE THE AMOUNT OF DUST LEAVING THE PREMISES.
18. CONTRACTOR TO PERFORM DAILY INSPECTION OF THE WIRE BACKED SILT FENCE TO CONFIRM INTACT AND ADDRESS ANY DAMAGE.
19. BLASTING OPERATION WILL UTILIZE BLAST MATTS TO PREVENT ROCK FROM BEING DISPLACED INTO WETLANDS AND WETLAND BUFFER AREAS TO BE PRESERVED.
20. ANY TEMPORARY IMPACTS TO BWV SHOULD BE RESTORED IN PLACE AND IN KIND. THIS SHOULD INCLUDE (1) RE-GRADING AND RAKING OF ANY BWV AREAS WHERE SOILS HAVE BEEN DISTURBED AND/OR COMPACTED DURING CONSTRUCTION ACTIVITIES AND (2) RE-ESTABLISHMENT OF NATIVE WETLAND VEGETATION IN ANY AREAS WHERE BWV VEGETATION HAS BEEN DAMAGED. AT MINIMUM, RE-VEGETATION SHOULD INCLUDE SEEDING WITH A NATIVE WETLAND SEED MIXTURE SUCH AS NEW ENGLAND WETMIX FROM NEW ENGLAND WETLAND PLANTS, INC. TEMPORARY IMPACTS TO THE 25-FOOT NO DISTURBANCE BUFFER ZONE SOILS SHOULD ALSO BE RESTORED AND RESEEDING WITH A NATIVE UPLAND GRASS MIX TO MINIMIZE SEDIMENT RUNOFF INTO RESOURCE AREAS.

Date	Description	No.
7.14.2021	REVISED PER CONSERVATION COMMISSION	1.

Gabrielle R. Crocker
7-14-2021

GABRIELLE R. CROCKER
PROFESSIONAL ENGINEER, MA REGISTRATION #47917

Crocker Design Group

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Project
HANOVER WEYMOUTH RESIDENTIAL DEVELOPMENT
#1325 WASHINGTON STREET, WEYMOUTH, MA

Prepared for
HANOVER R.S. LIMITED PARTNERSHIP
ONE MARINE PARK DRIVE, SUITE 701, BOSTON, MA 02216
HANOVER COMPANY

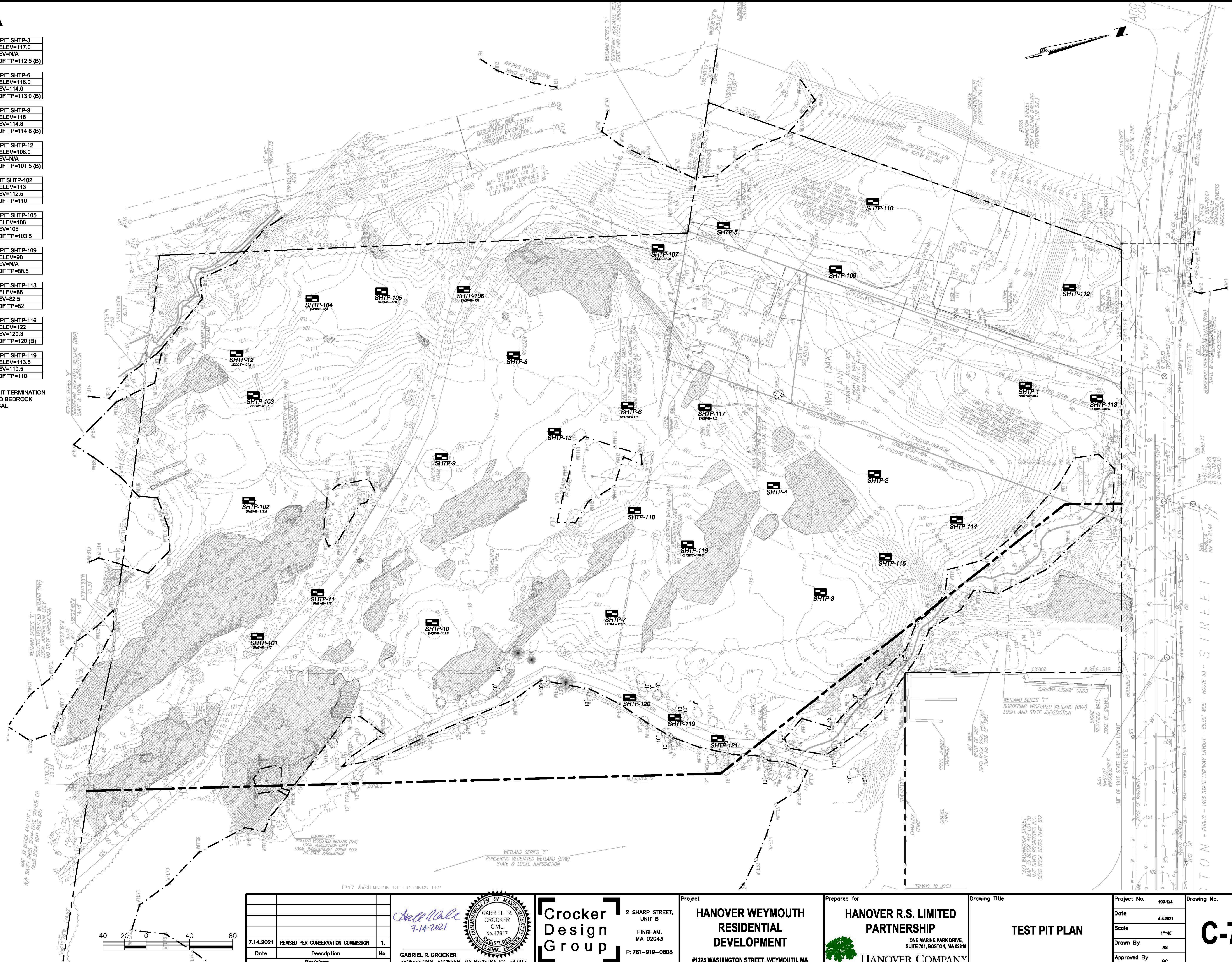
Drawing Title
SOIL EROSION AND SEDIMENT CONTROL PLAN

Project No.	100-124	Drawing No.	C-6
Date	4.8.2021	Scale	1"=40'
Drawn By	AS	Approved By	GC

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TEST PIT DATA

TEST PIT SHTP-1 GROUND ELEV=88.0 SHGW ELEV=80.2 BOTTOM OF TP=80.0	TEST PIT SHTP-2 GROUND ELEV=104.0 SHGW ELEV=N/A BOTTOM OF TP=92.3	TEST PIT SHTP-3 GROUND ELEV=117.0 SHGW ELEV=N/A BOTTOM OF TP=112.5 (B)
TEST PIT SHTP-4 GROUND ELEV=115.0 SHGW ELEV=N/A BOTTOM OF TP=111.5 (B)	TEST PIT SHTP-5 GROUND ELEV=98.0 SHGW ELEV=N/A BOTTOM OF TP=90 (B)	TEST PIT SHTP-6 GROUND ELEV=116.0 SHGW ELEV=114.0 BOTTOM OF TP=113.0 (B)
TEST PIT SHTP-7 GROUND ELEV=118.0 SHGW ELEV=N/A BOTTOM OF TP=113.7 (B)	TEST PIT SHTP-8 GROUND ELEV=119.0 SHGW ELEV=N/A BOTTOM OF TP=116.4 (B)	TEST PIT SHTP-9 GROUND ELEV=118 SHGW ELEV=114.8 BOTTOM OF TP=114.8 (B)
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TEST PIT SHTP-117 GROUND ELEV=113 SHGW ELEV=112 BOTTOM OF TP=110.5 (B)	TEST PIT SHTP-118 GROUND ELEV=120 SHGW ELEV=N/A BOTTOM OF TP=119.8	TEST PIT SHTP-119 GROUND ELEV=113.5 SHGW ELEV=110.5 BOTTOM OF TP=110
TEST PIT SHTP-120 GROUND ELEV=113 SHGW ELEV=110.5 BOTTOM OF TP=110	TEST PIT SHTP-121 GROUND ELEV=115 SHGW ELEV=110.5 BOTTOM OF TP=110	(B)-TEST PIT TERMINATION DUE TO BEDROCK REFUSAL



Date	Description	No.
7.14.2021	REVISED PER CONSERVATION COMMISSION	1.

Gabrielle R. Crocker
7-14-2021

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PROFESSIONAL ENGINEER, MA REGISTRATION #47917

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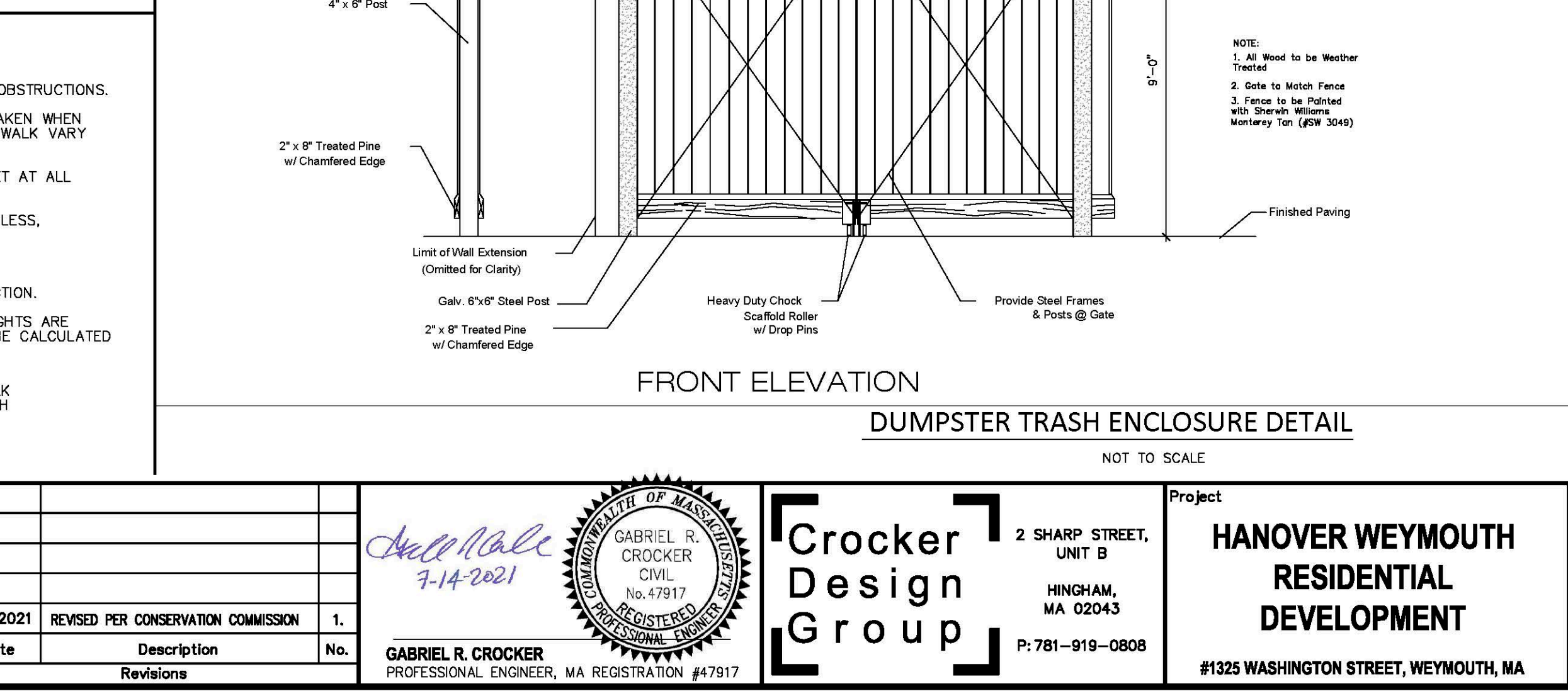
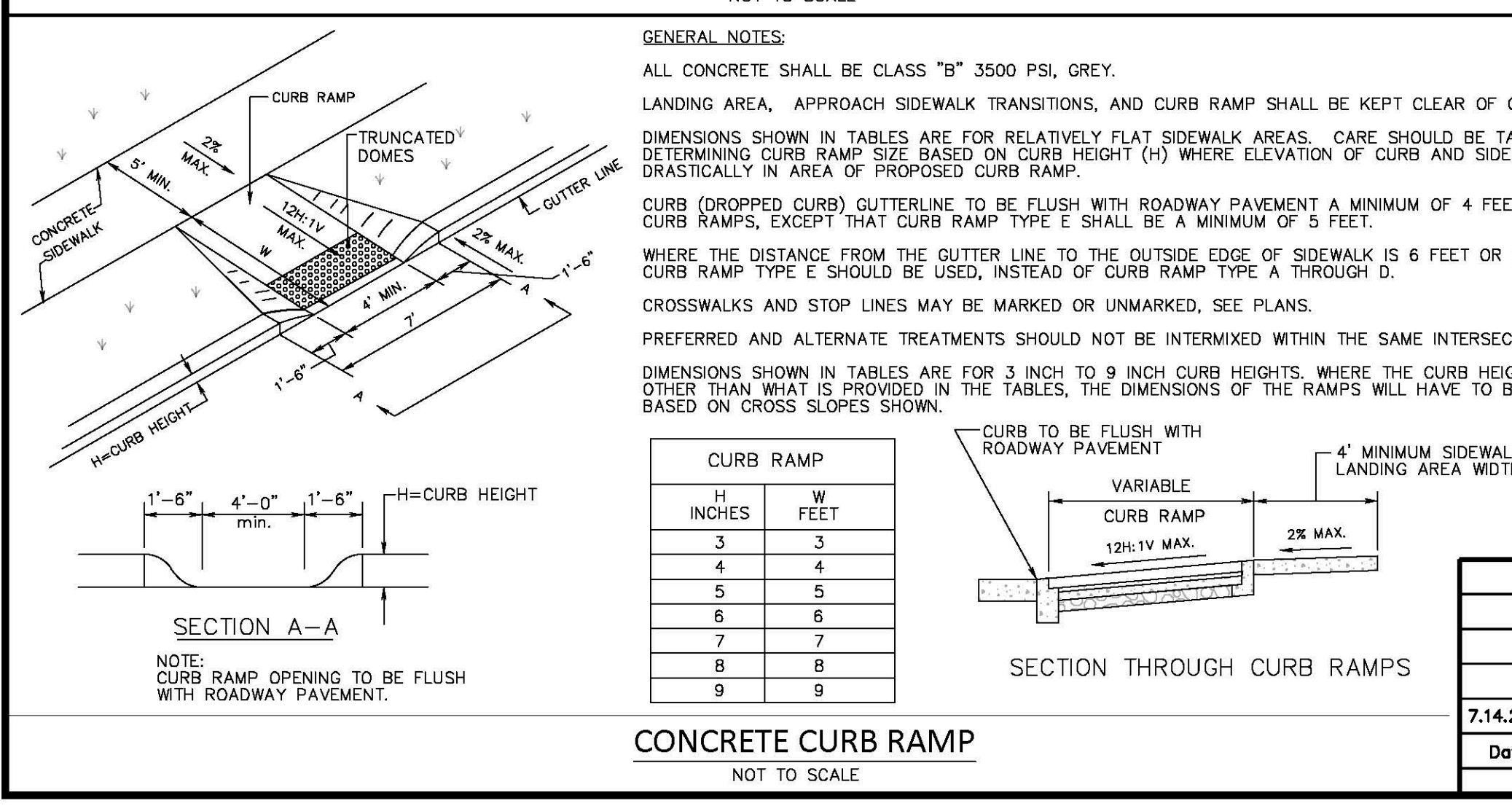
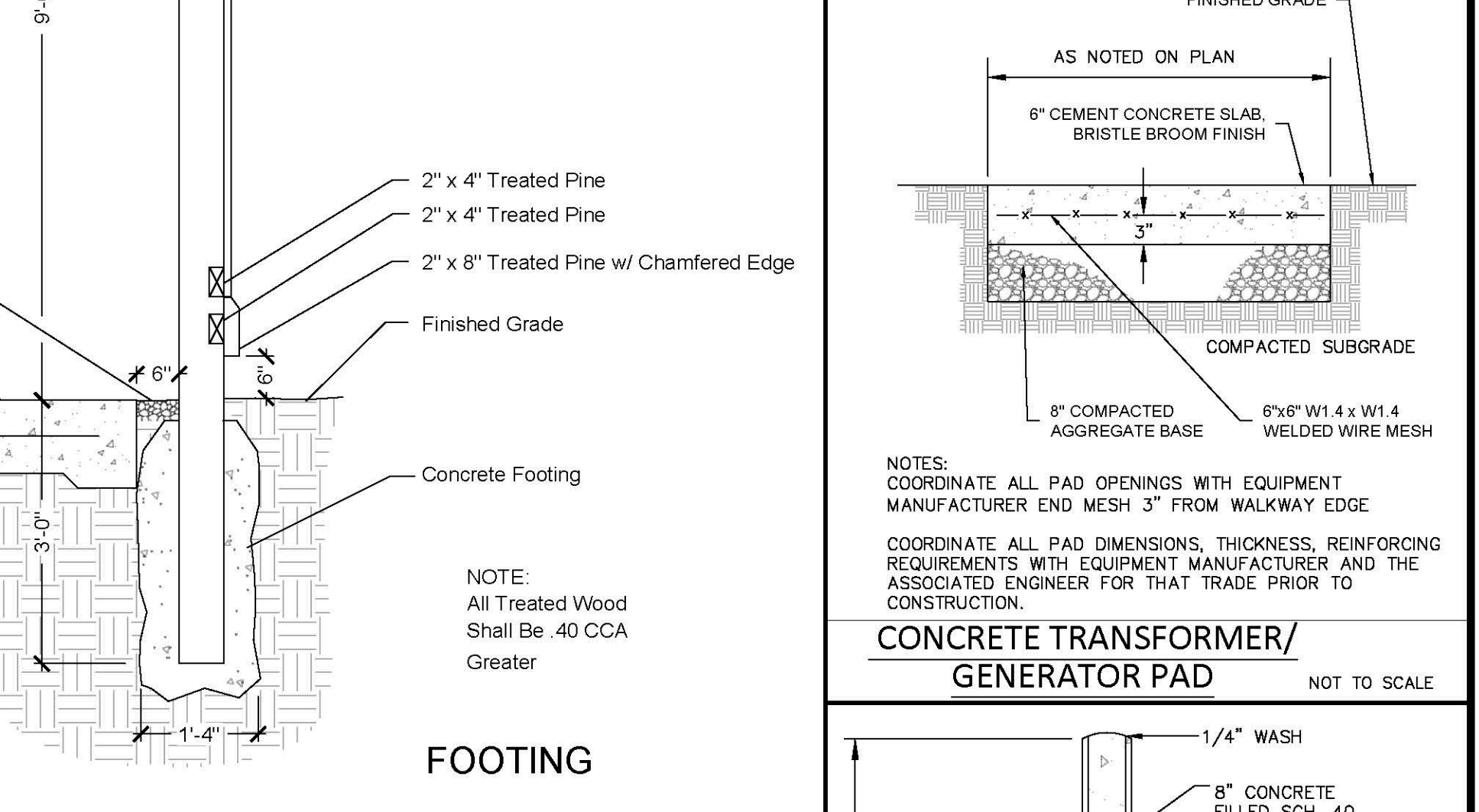
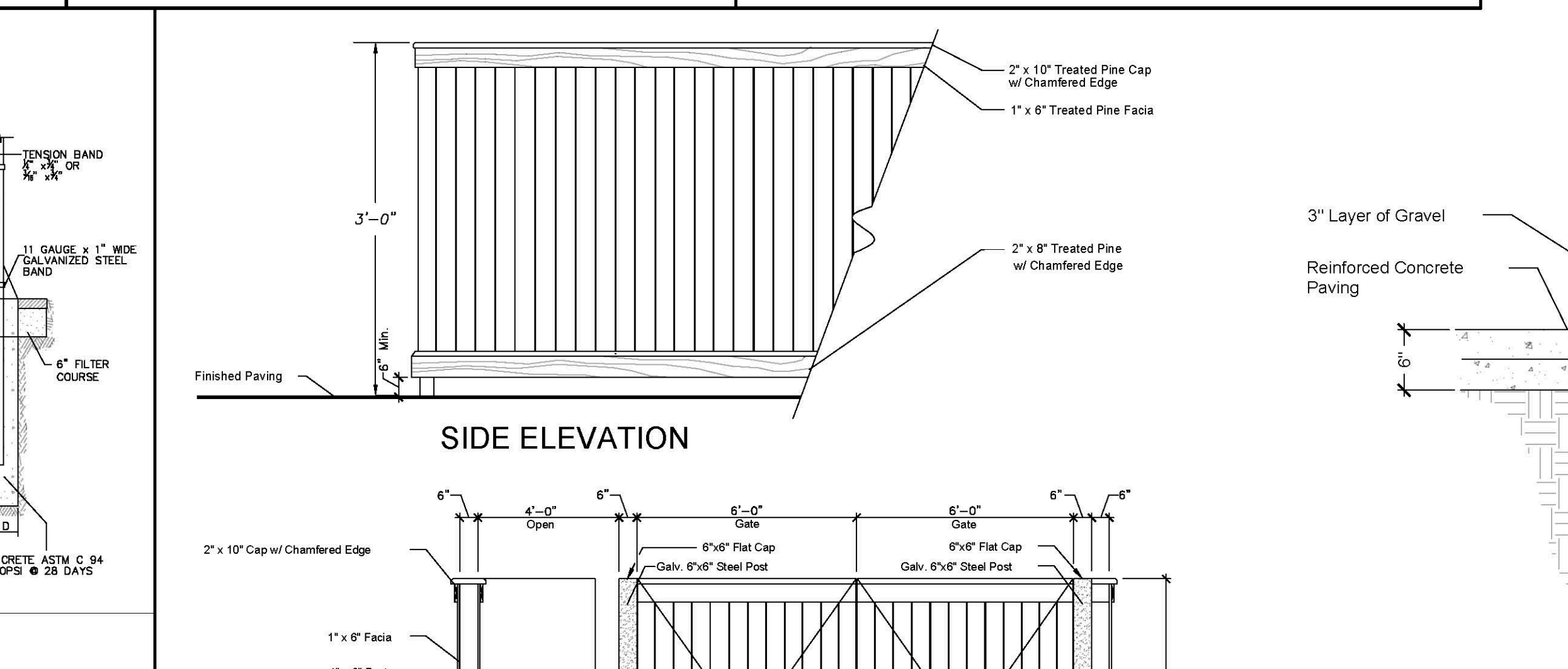
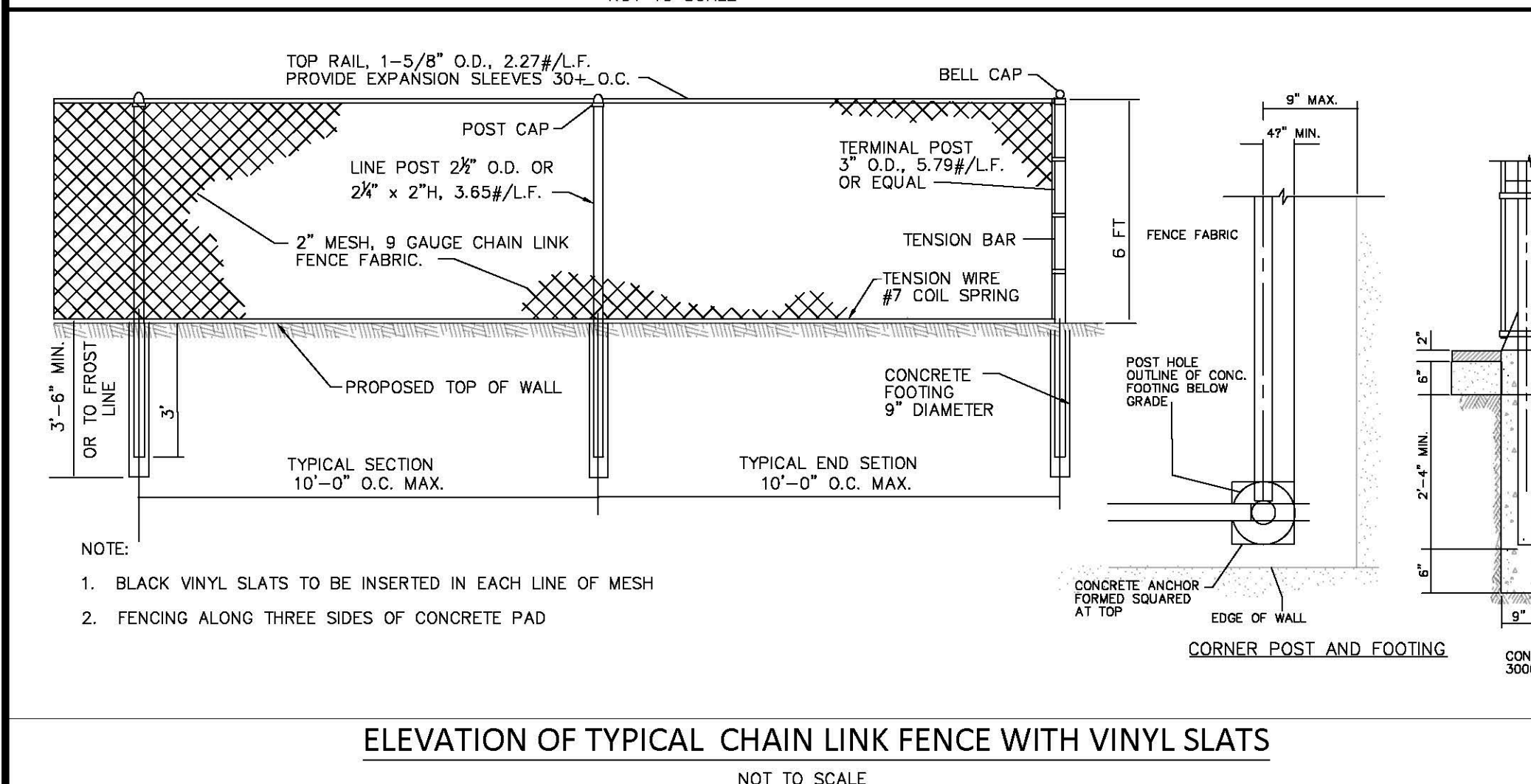
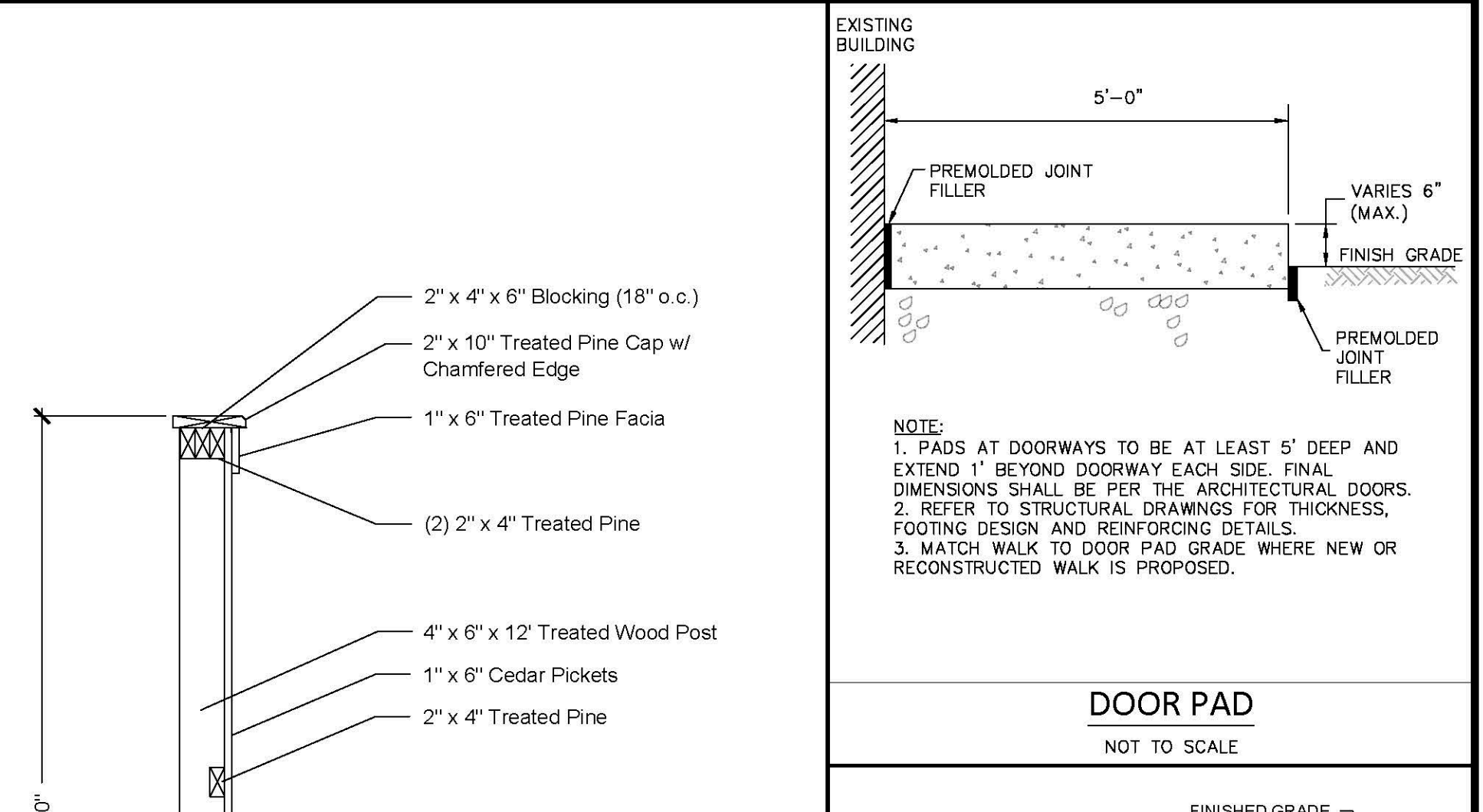
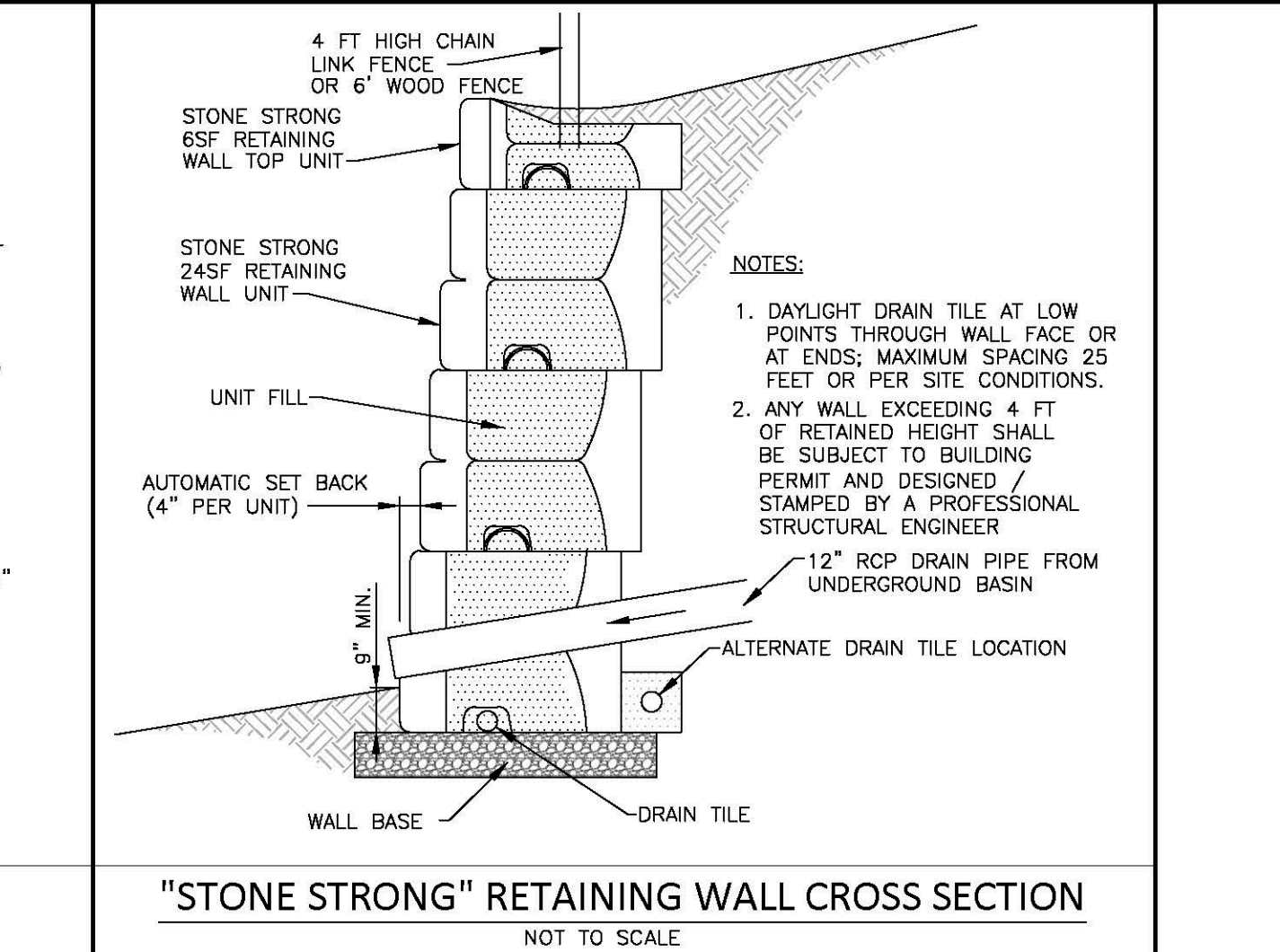
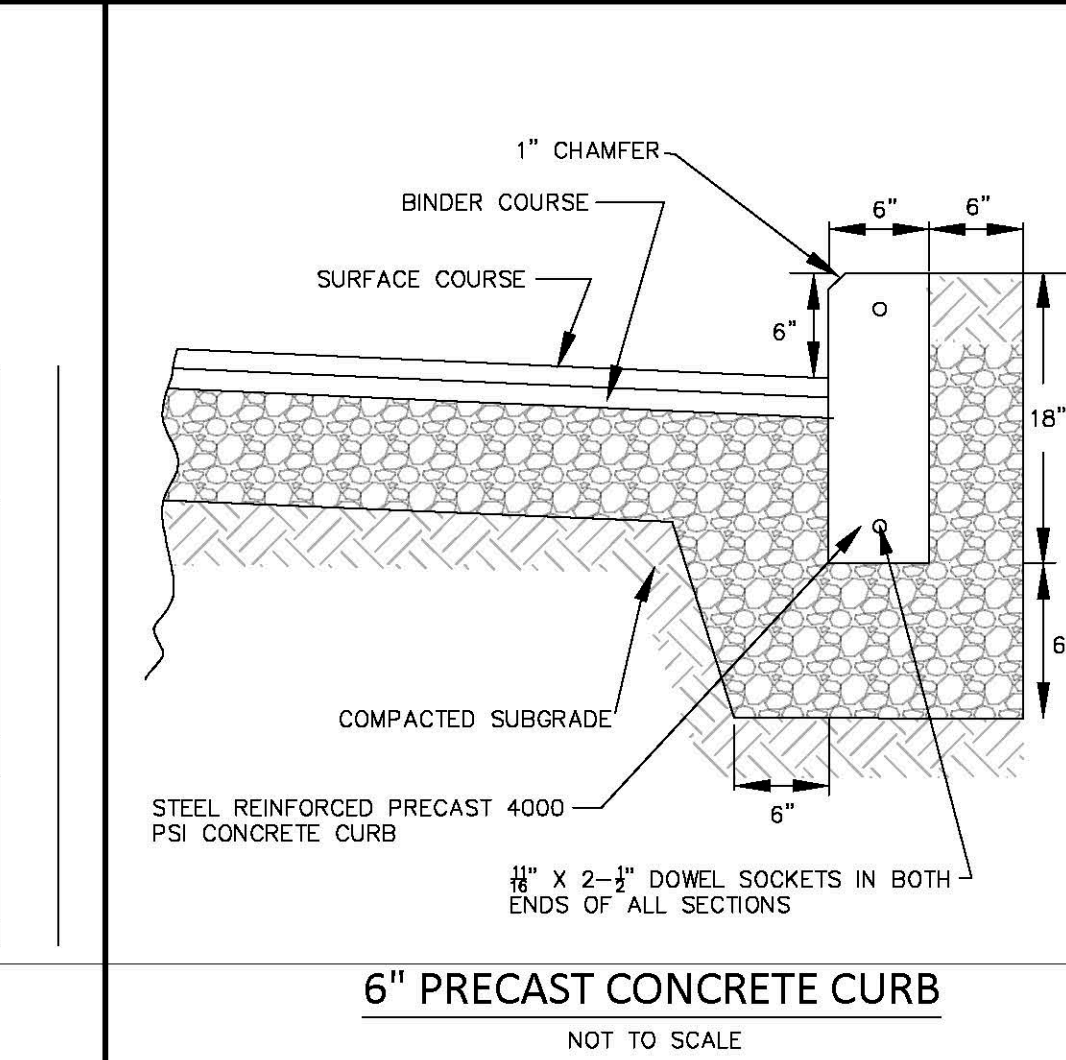
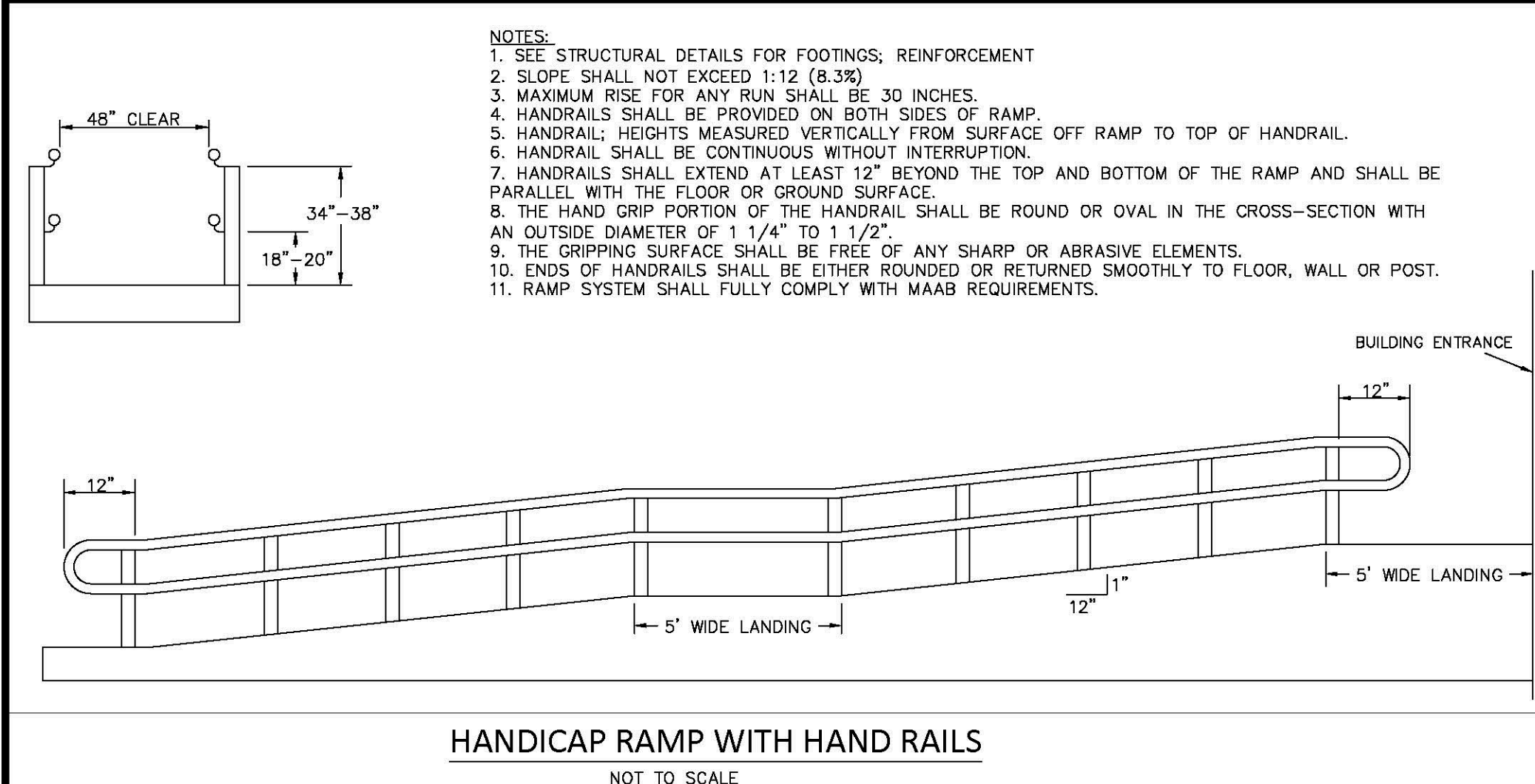
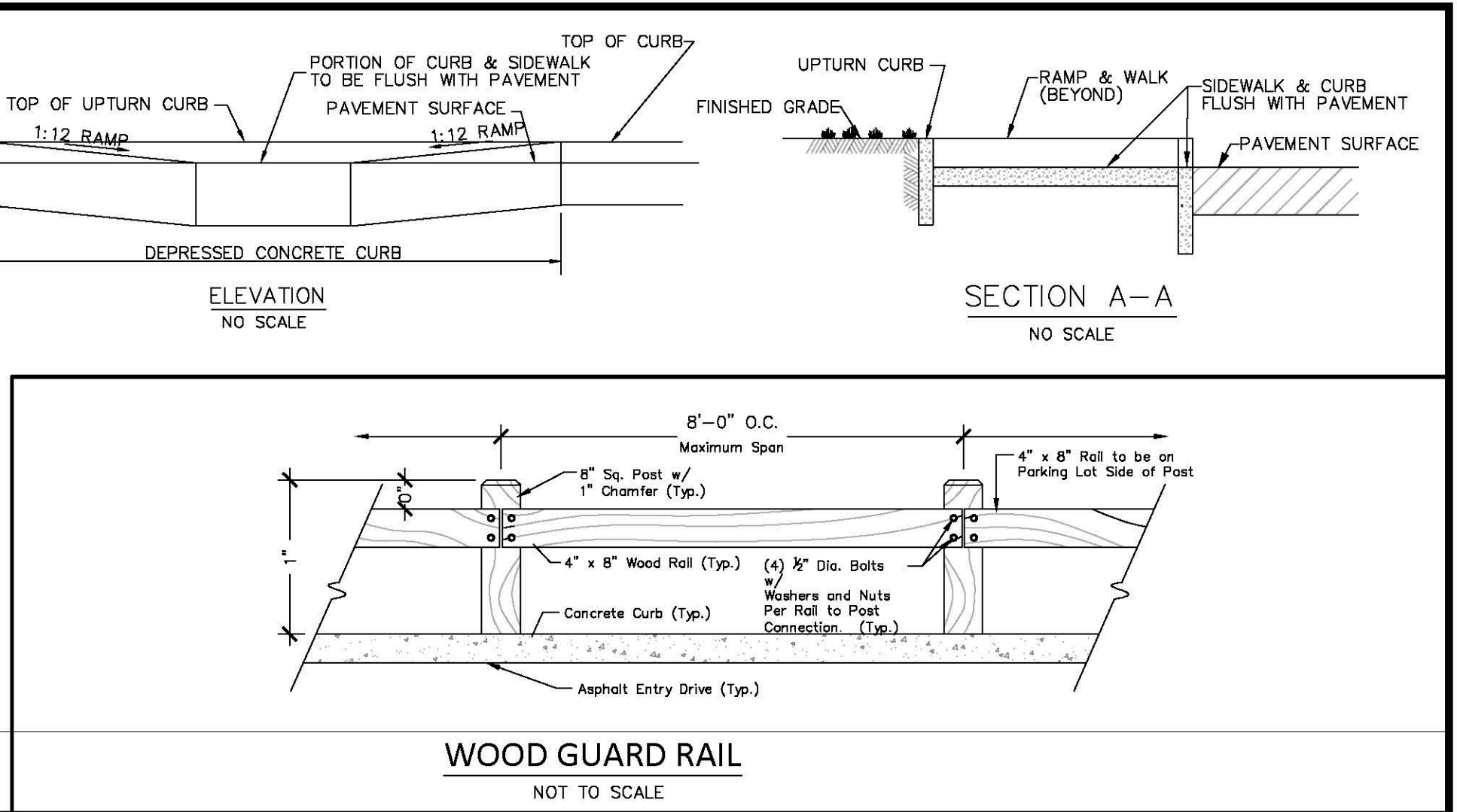
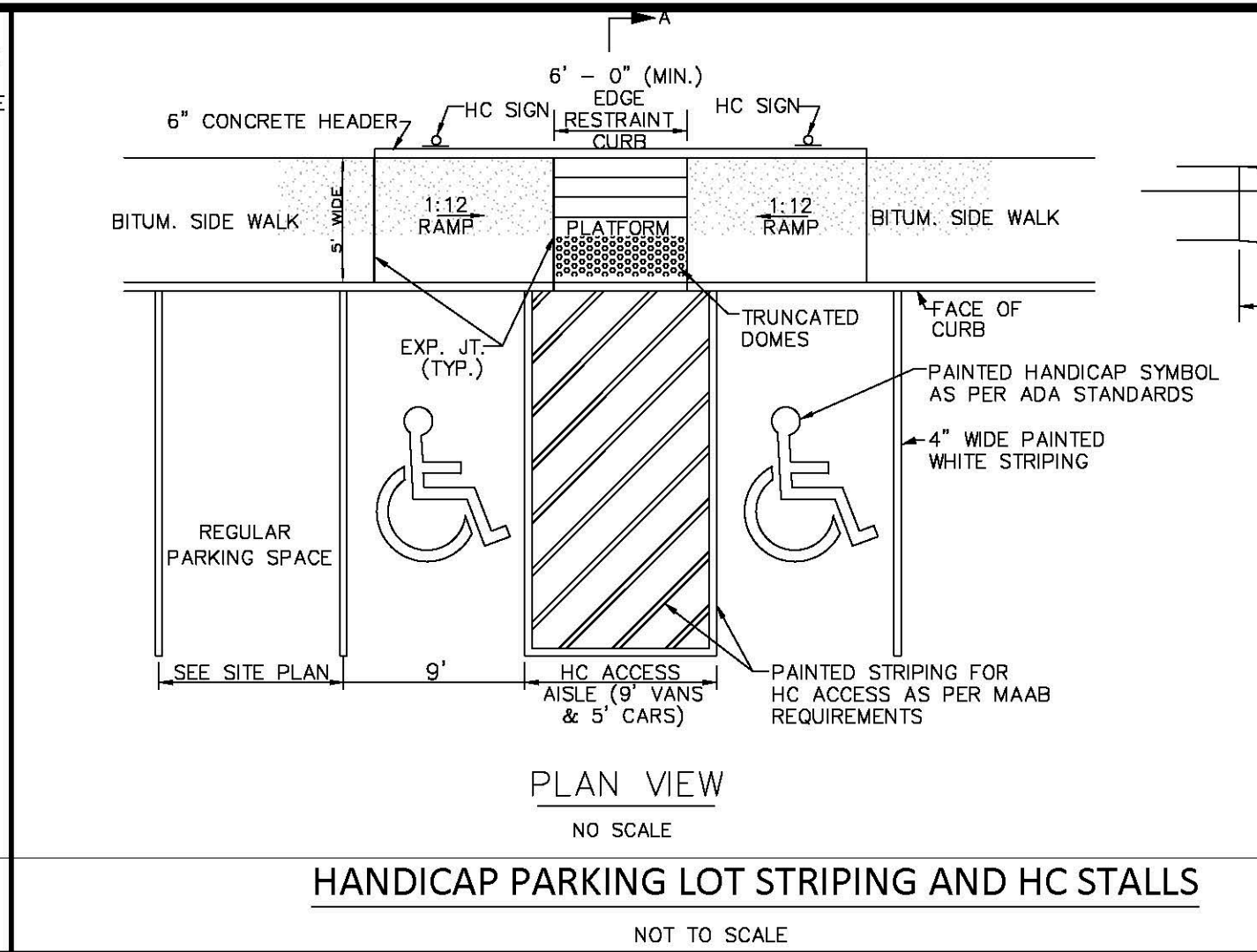
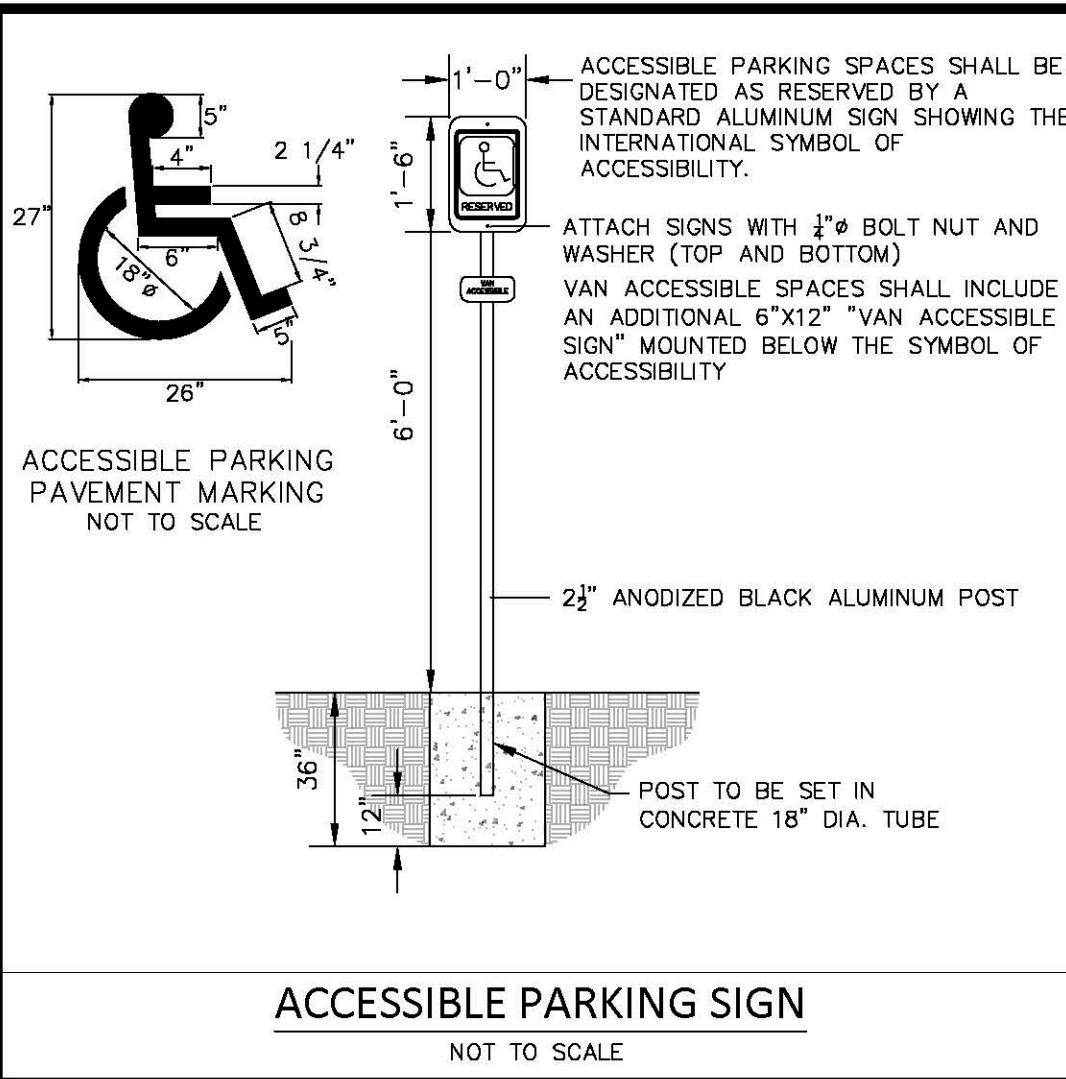
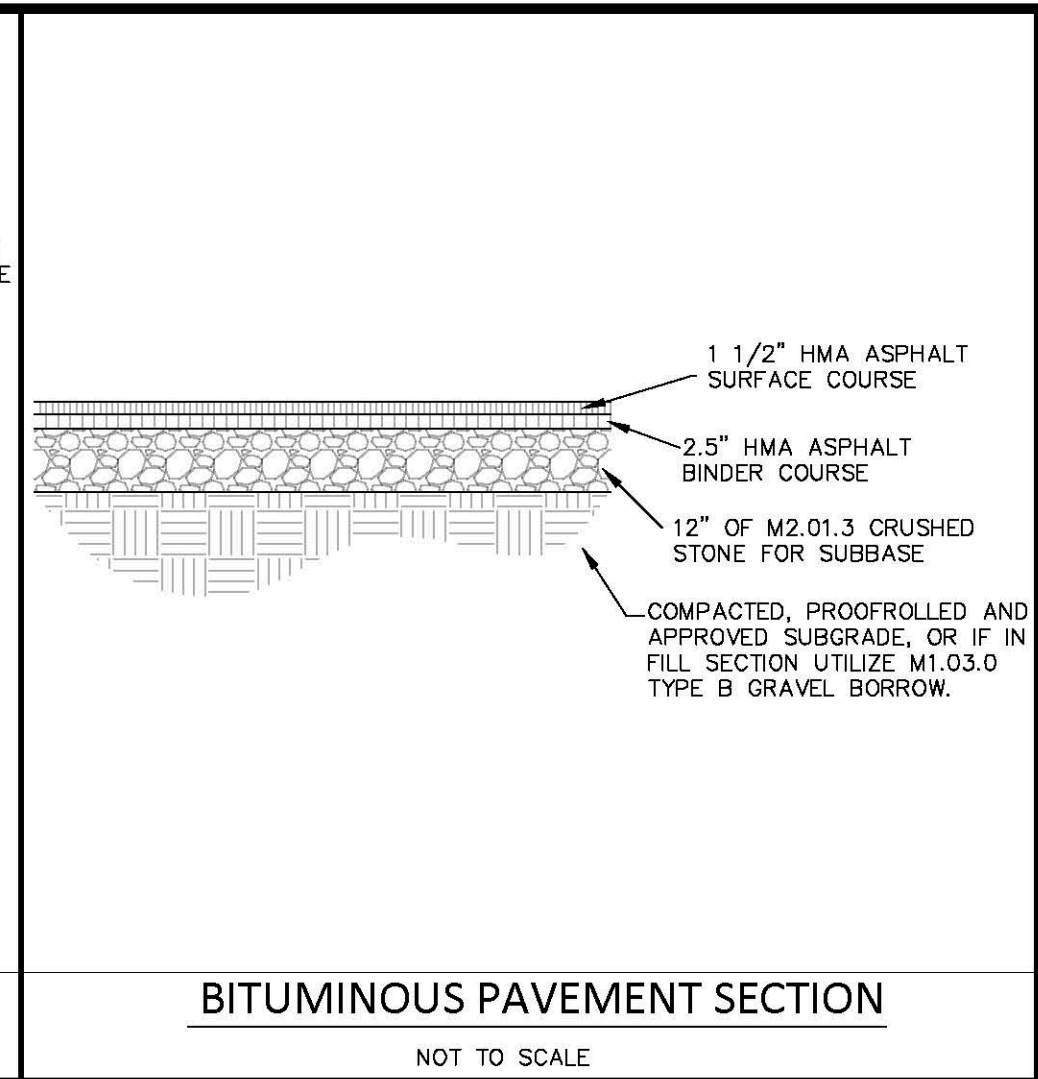
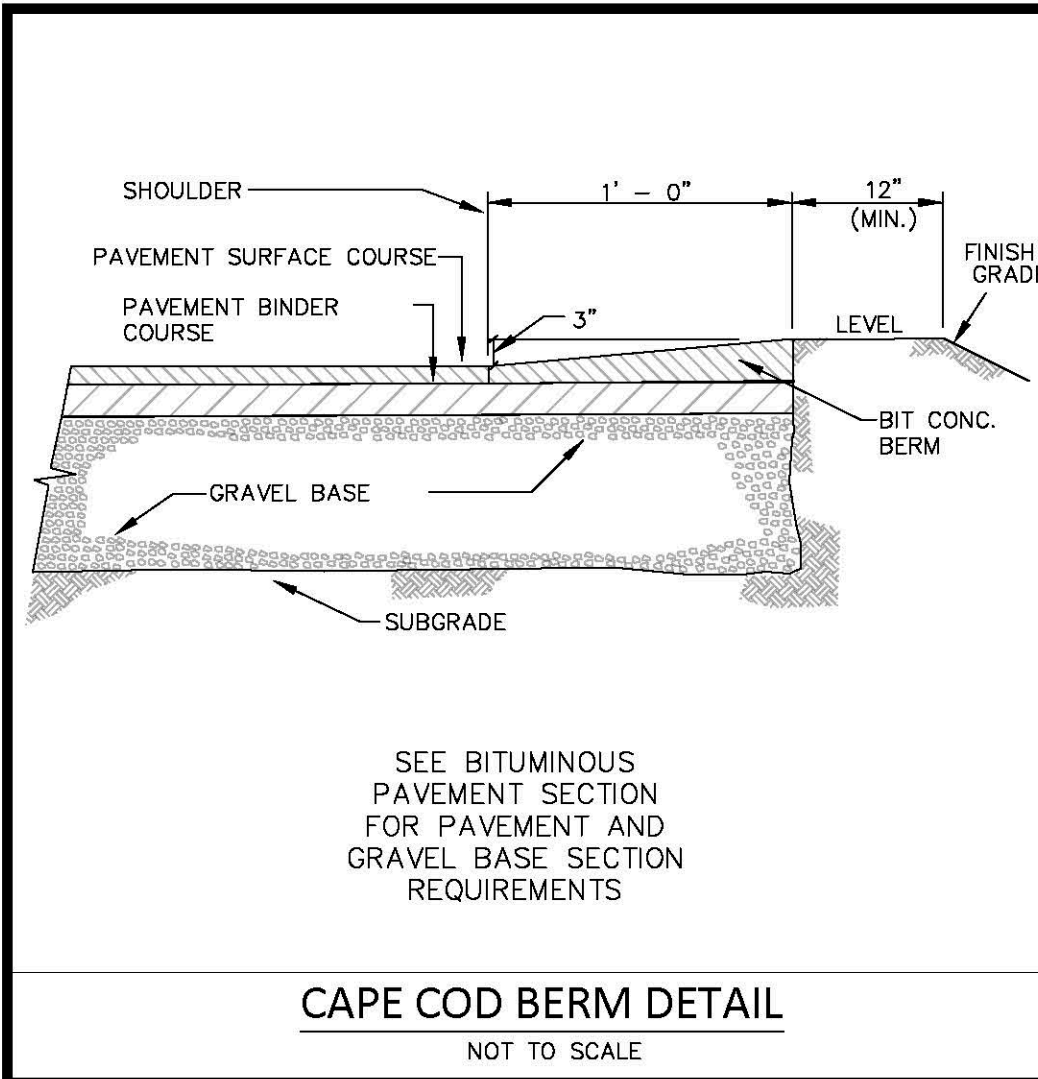
Project
HANOVER WEYMOUTH RESIDENTIAL DEVELOPMENT
#1325 WASHINGTON STREET, WEYMOUTH, MA

Prepared for
HANOVER R.S. LIMITED PARTNERSHIP
ONE MARINE PARK DRIVE, SUITE 701, BOSTON, MA 02219
HANOVER COMPANY

Drawing Title
TEST PIT PLAN

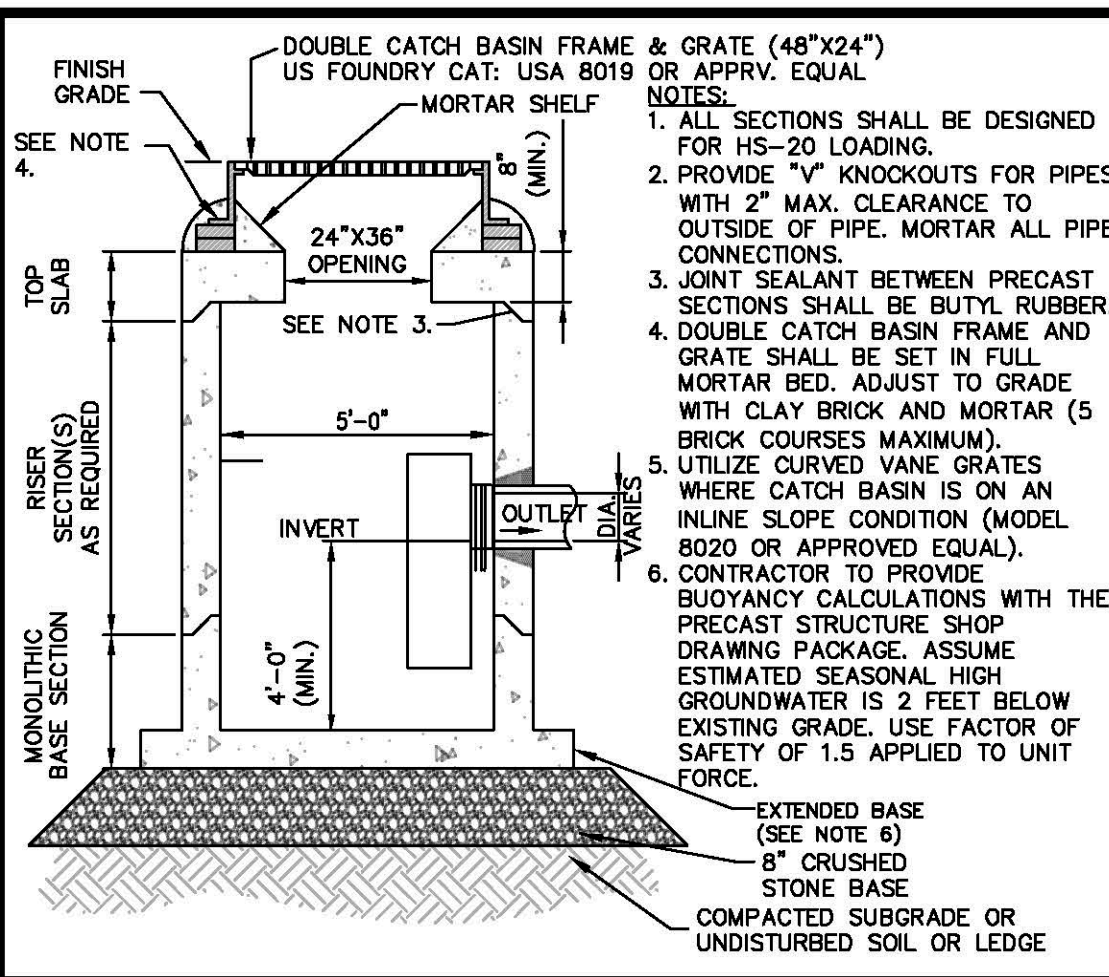
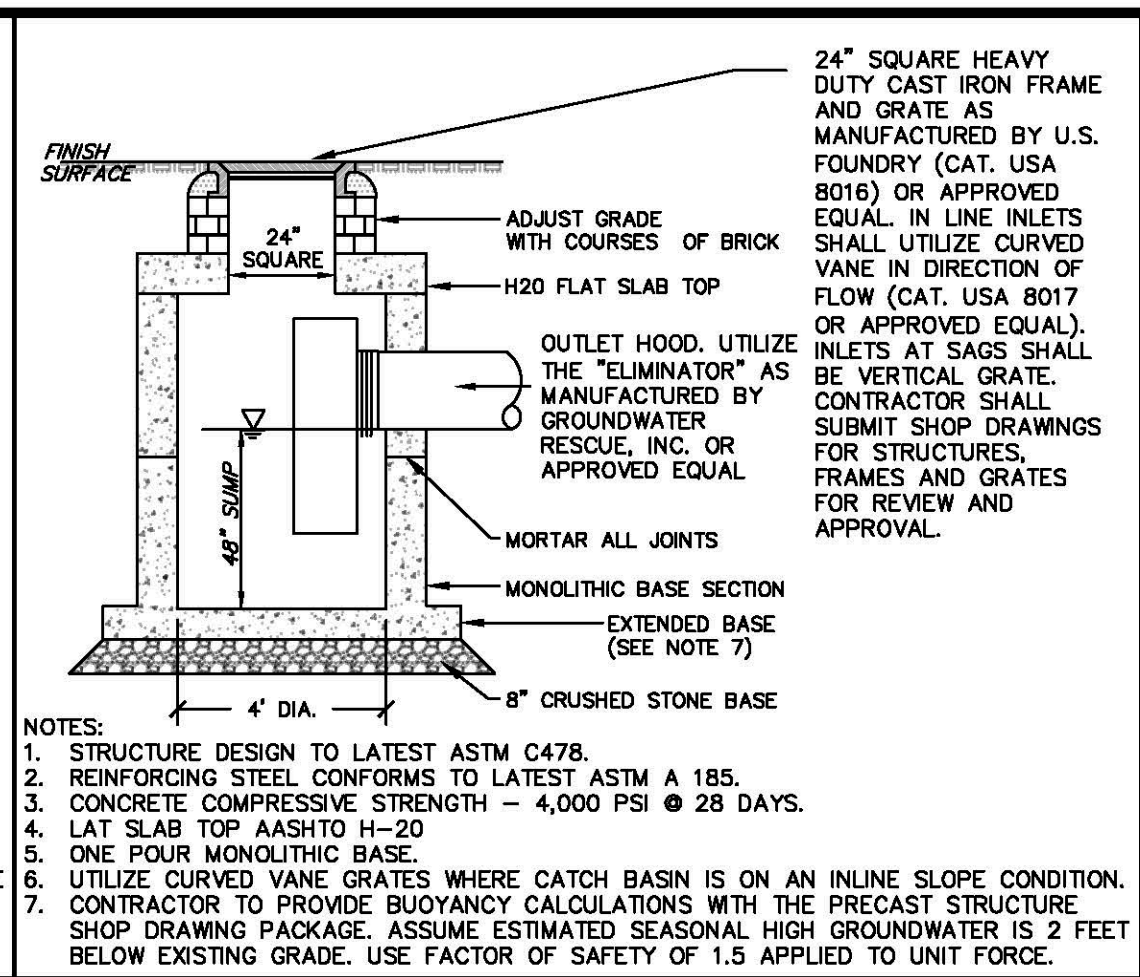
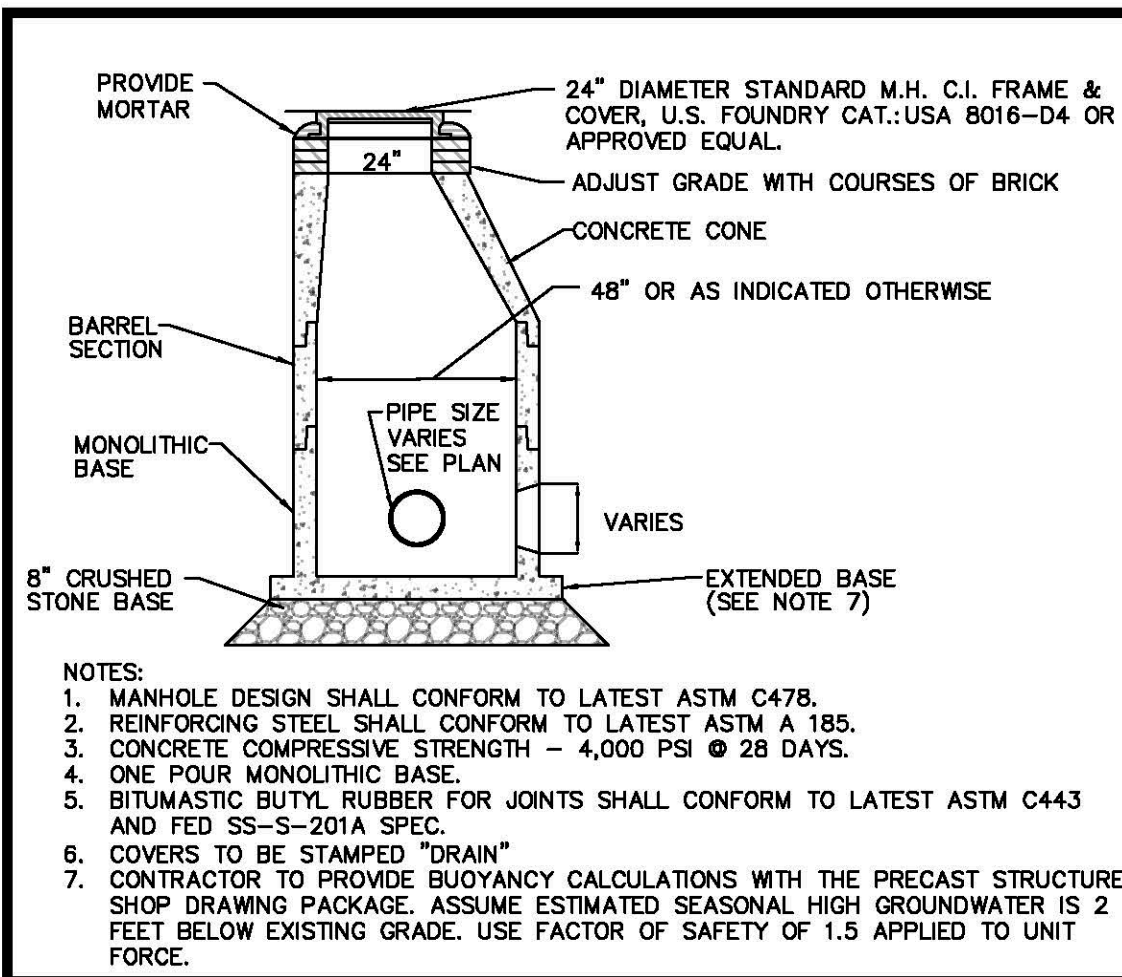
Project No.	100-124
Date	4.8.2021
Scale	1"=40'
Drawn By	AS
Approved By	GC

Drawing No.
C-7



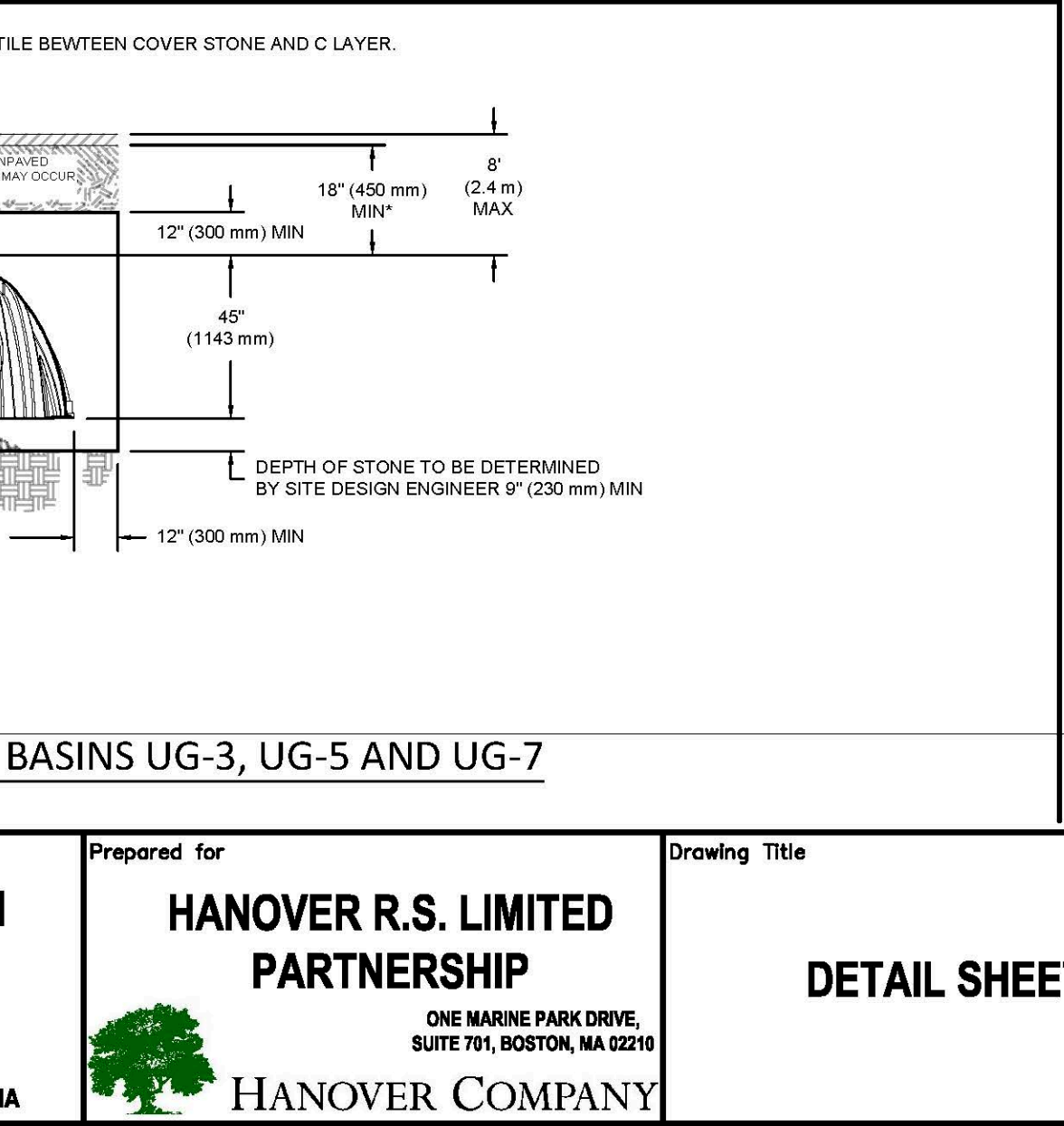
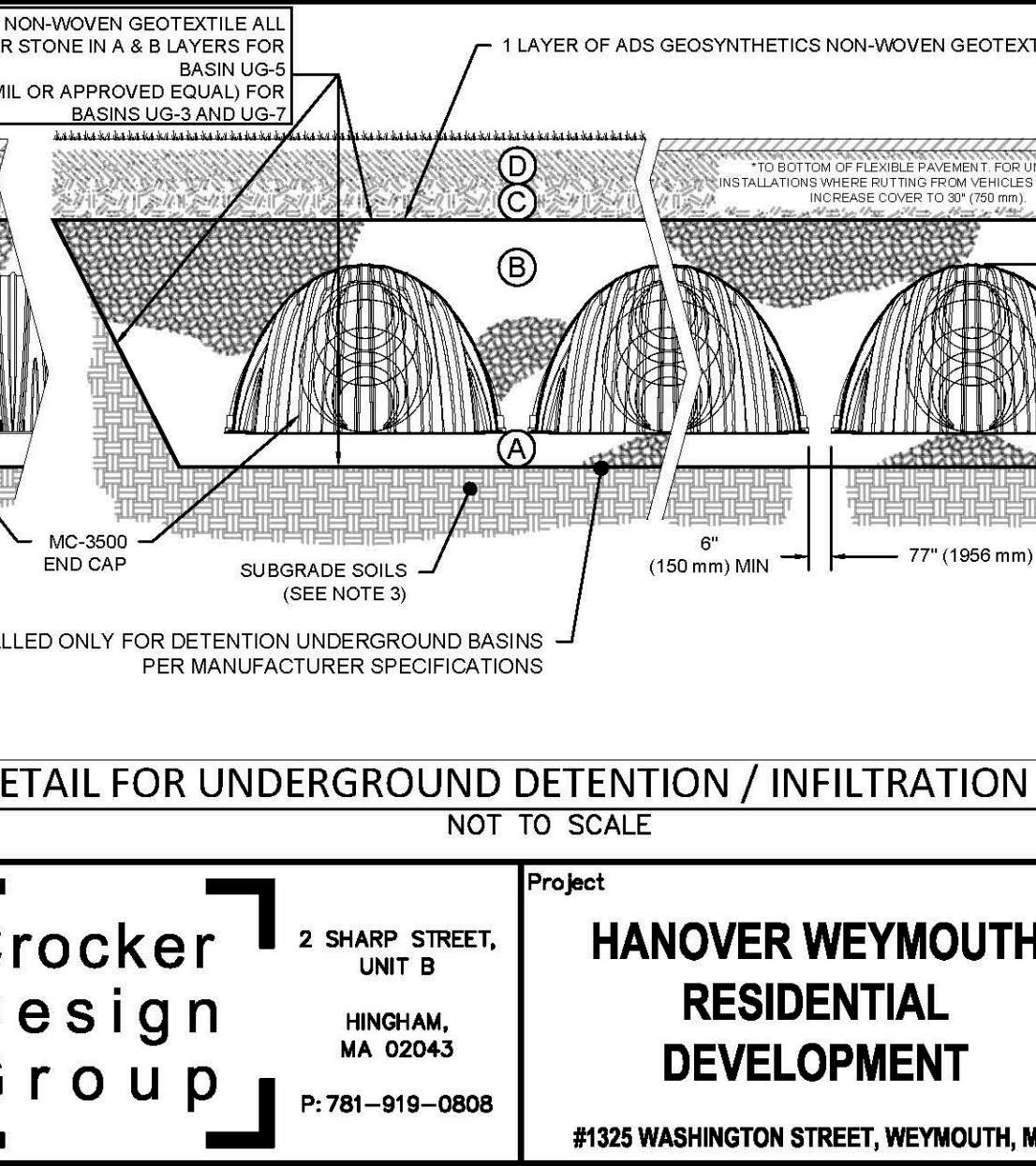
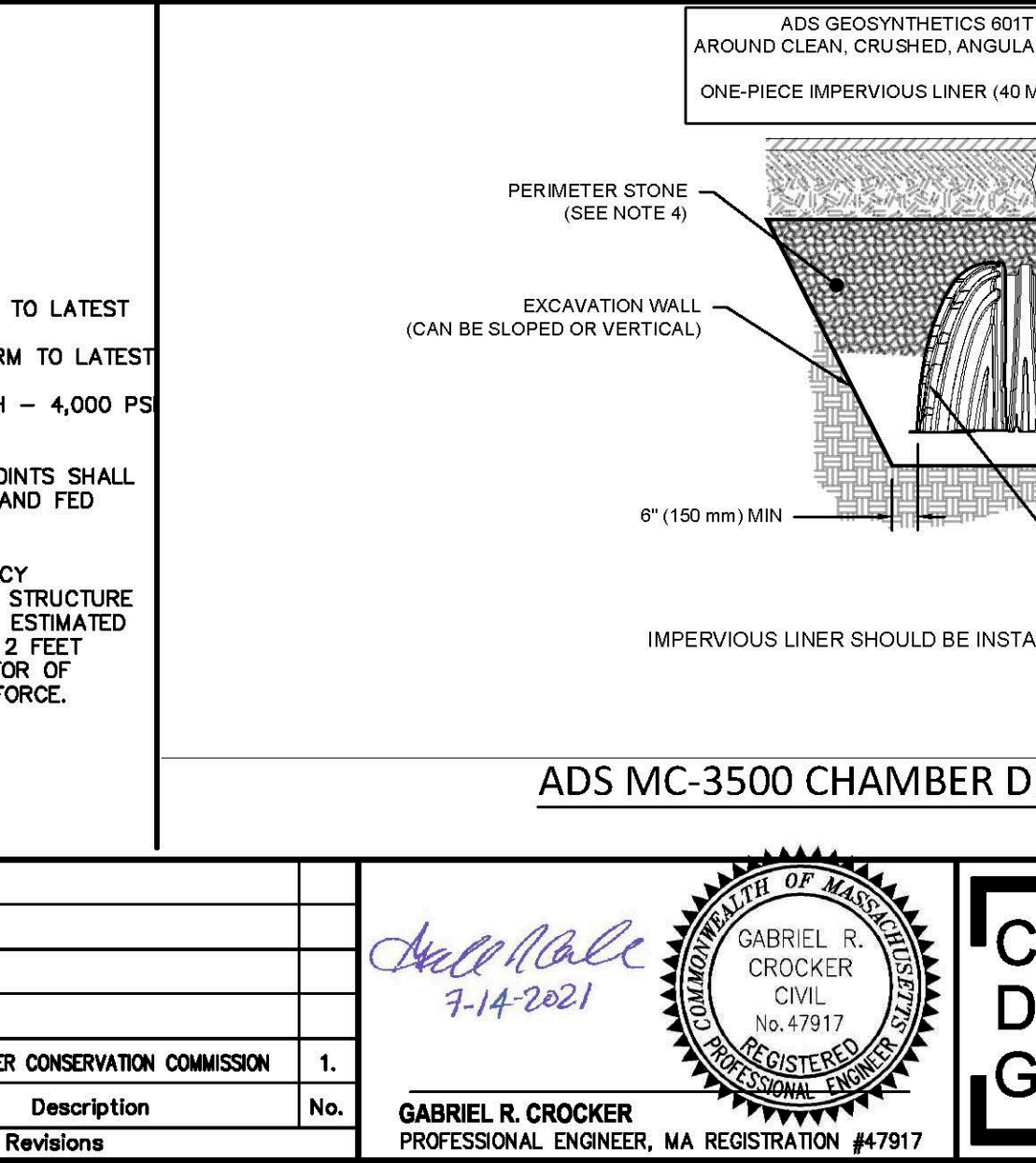
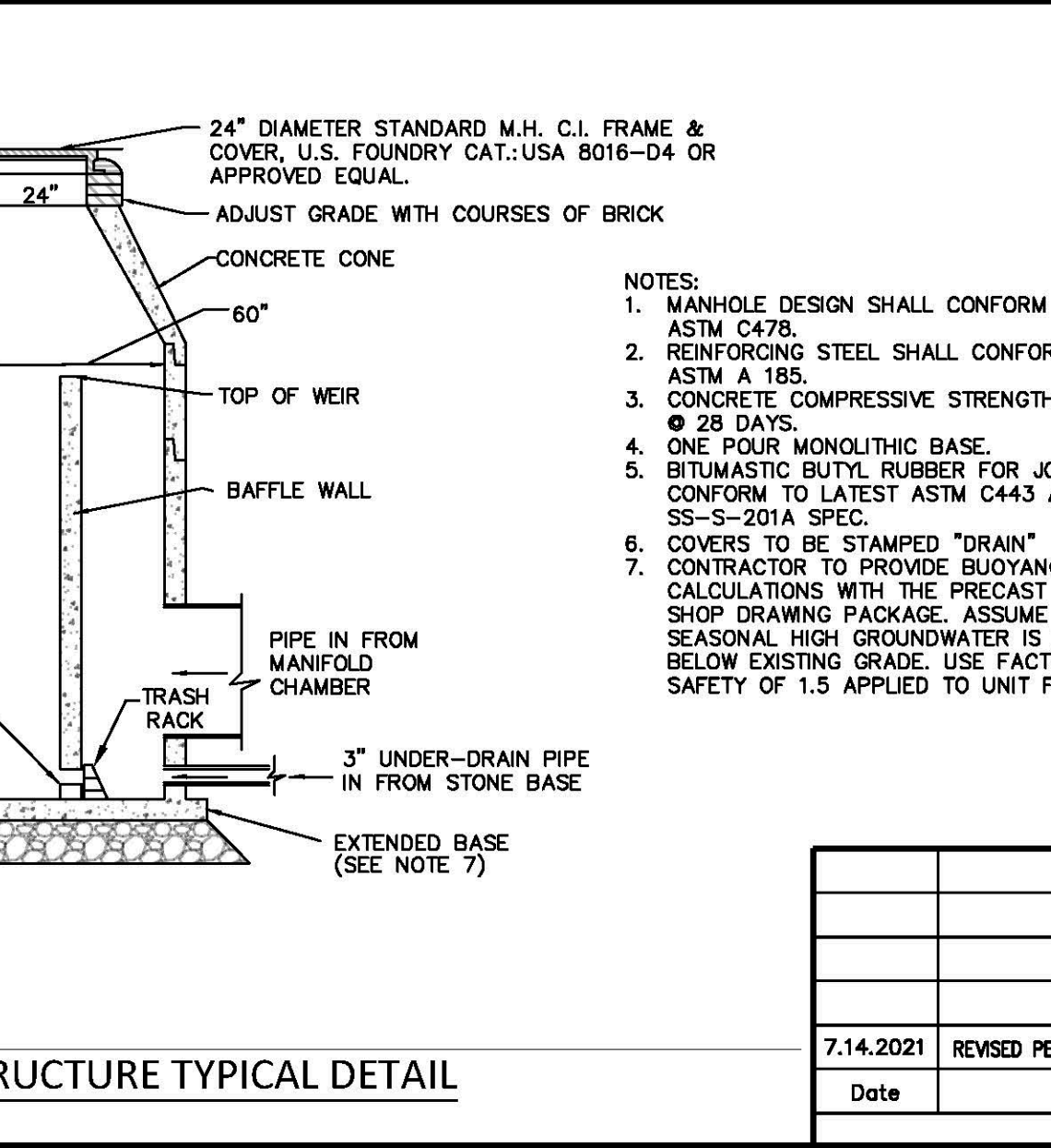
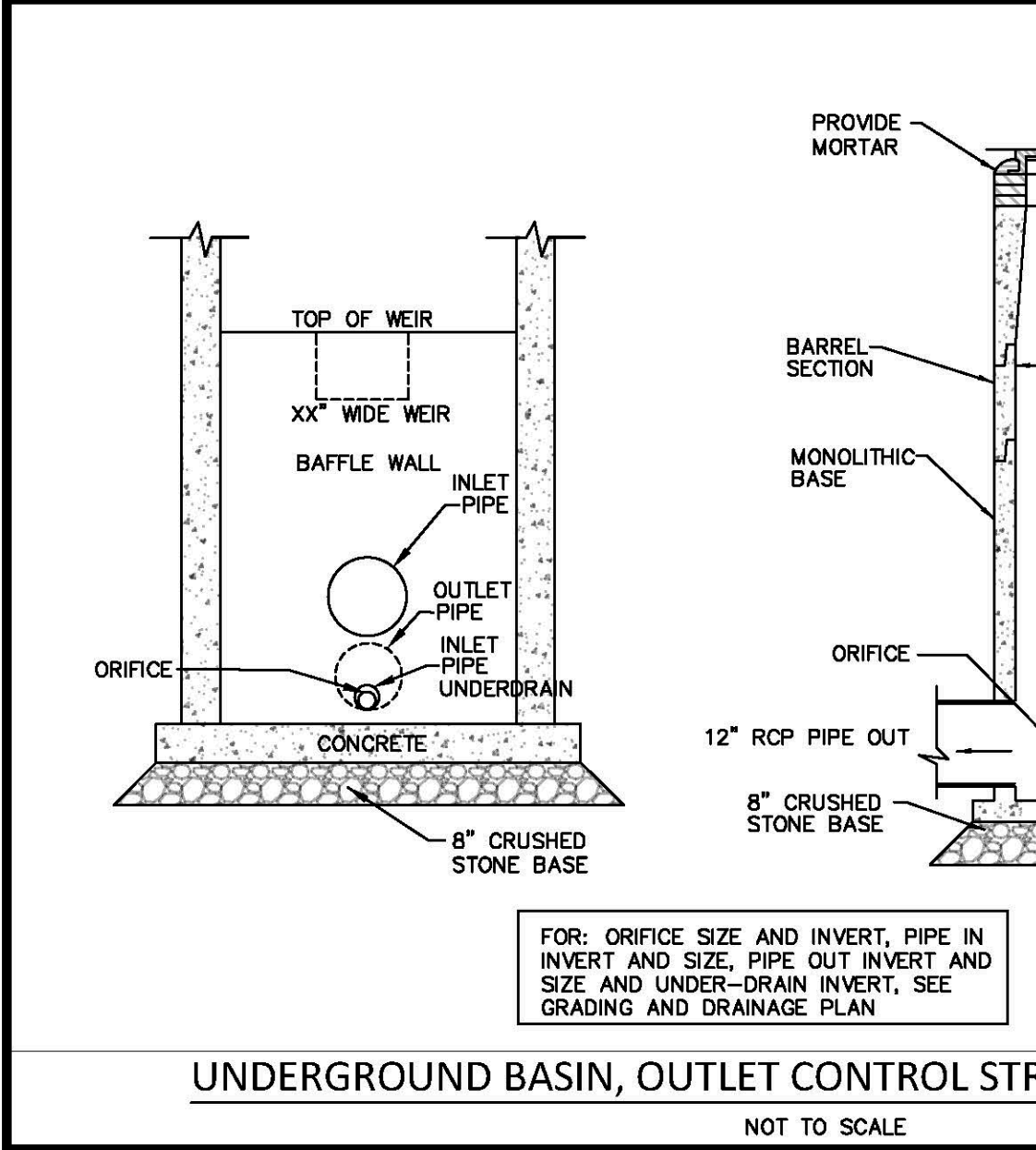
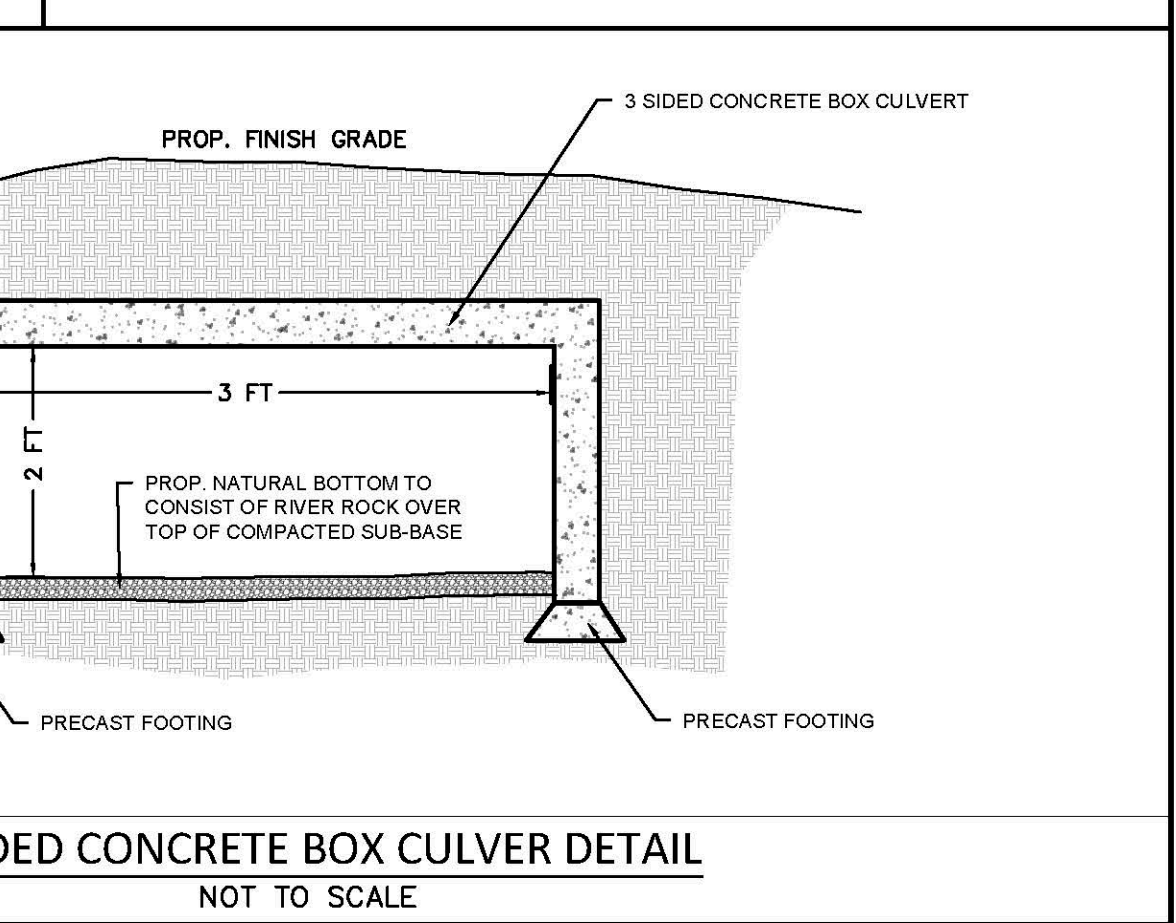
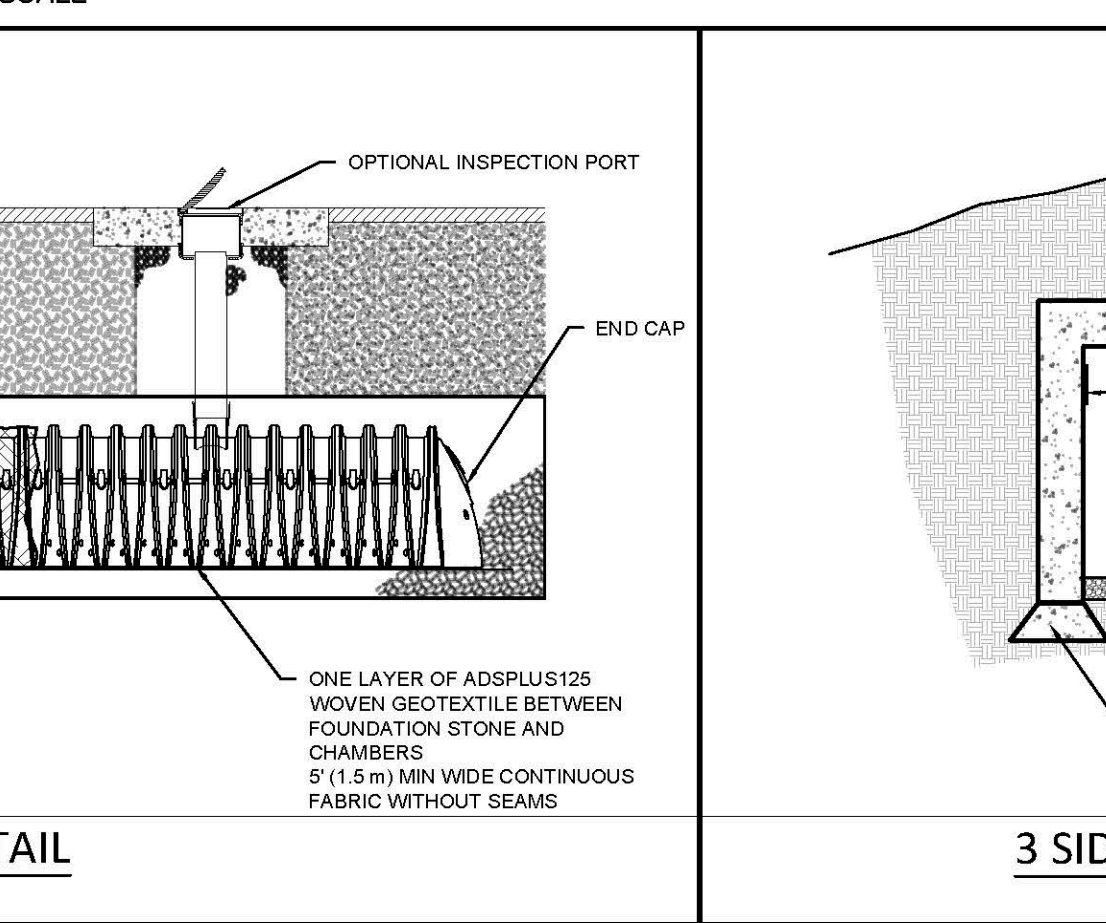
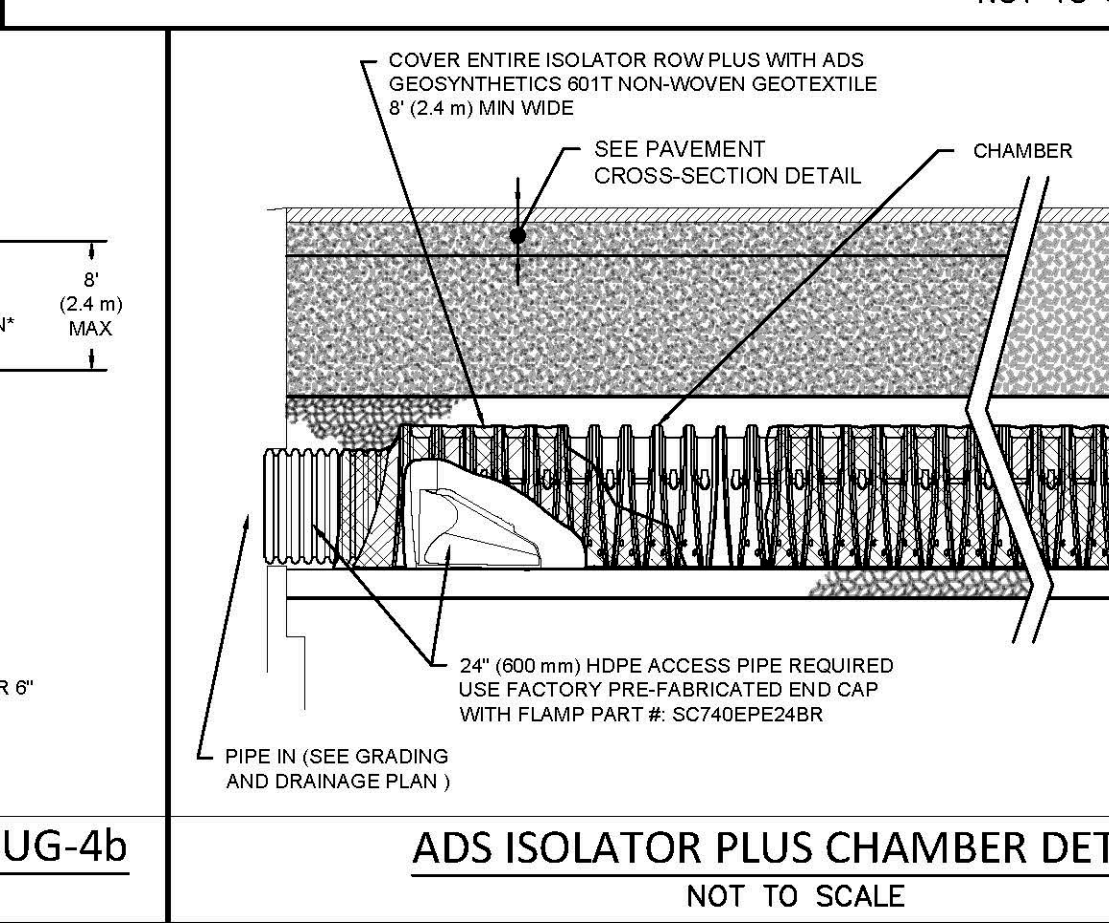
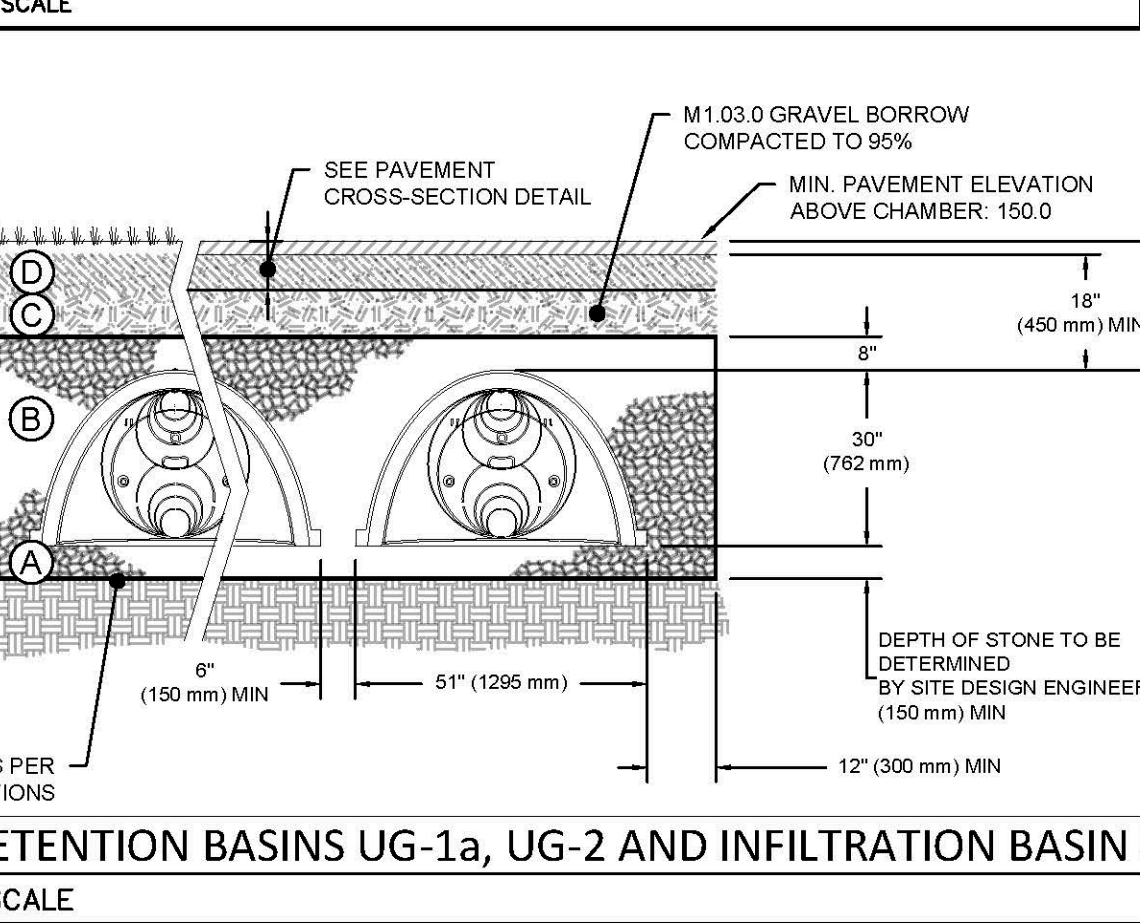
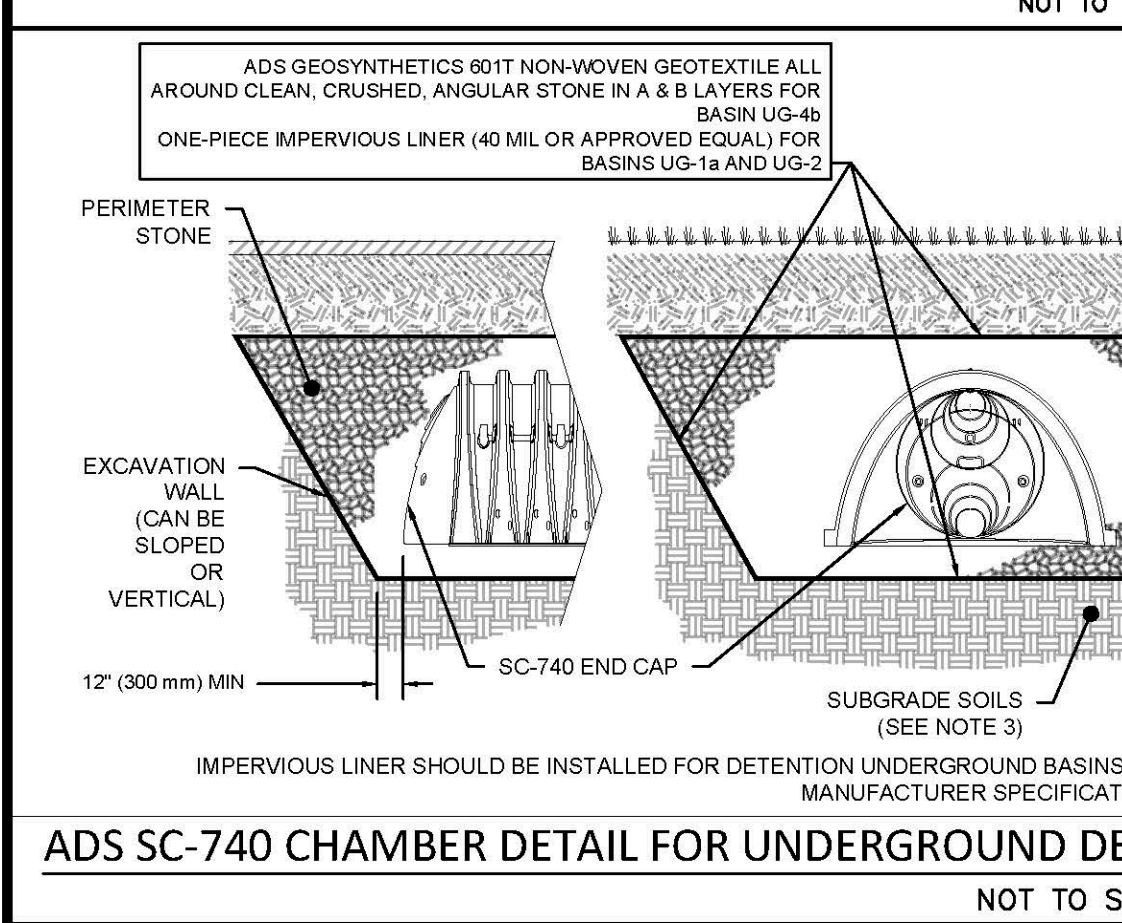
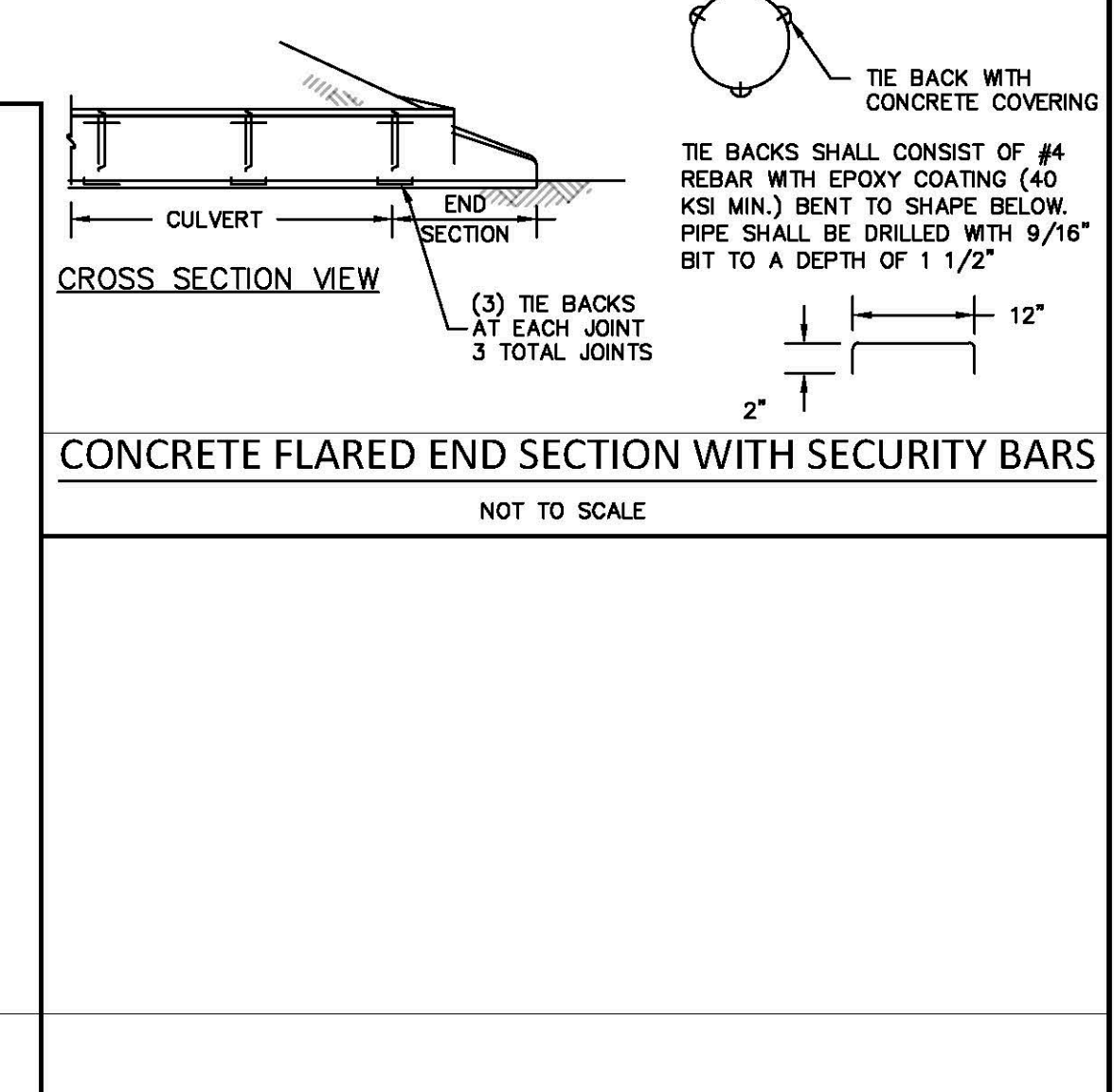
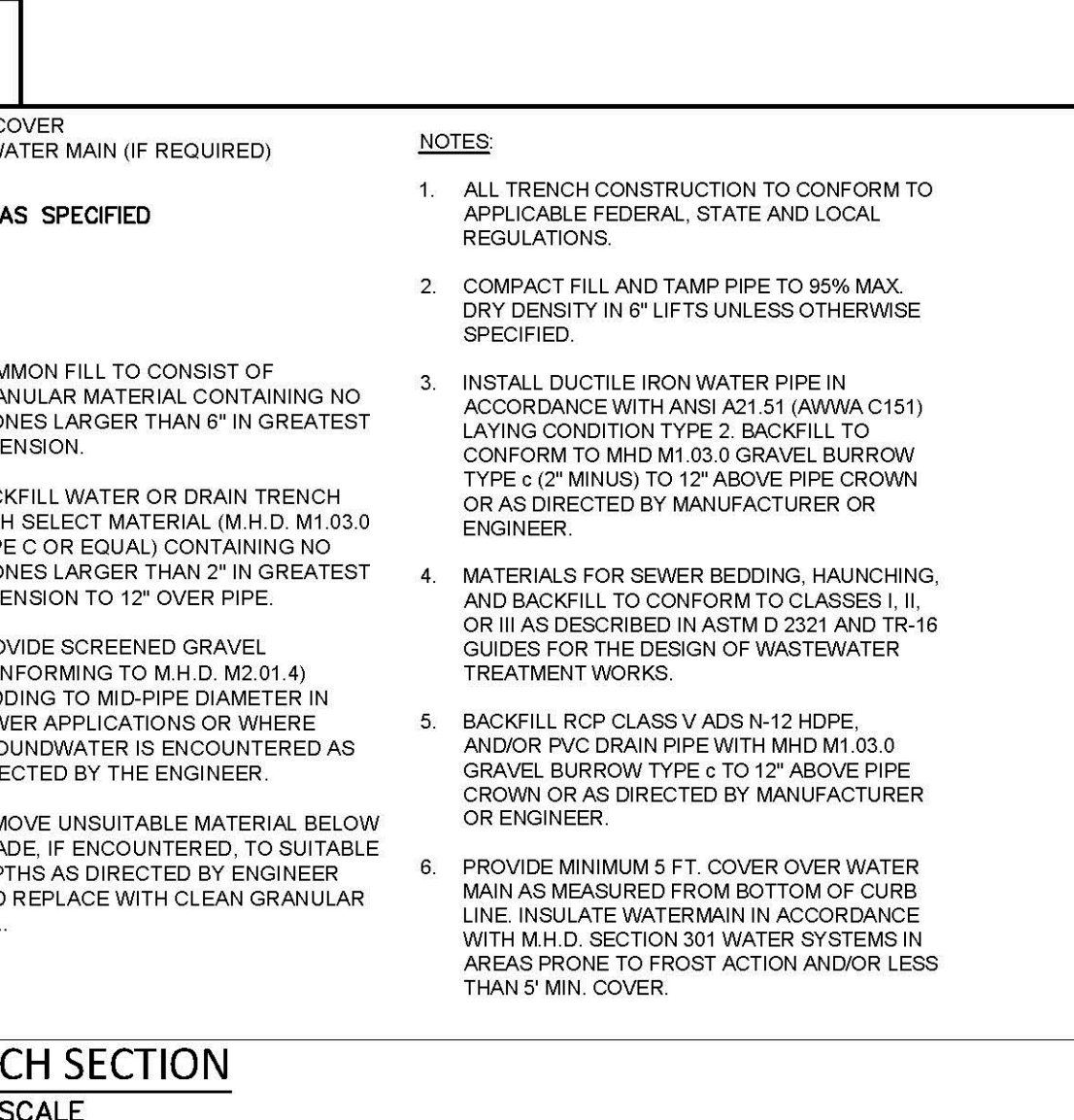
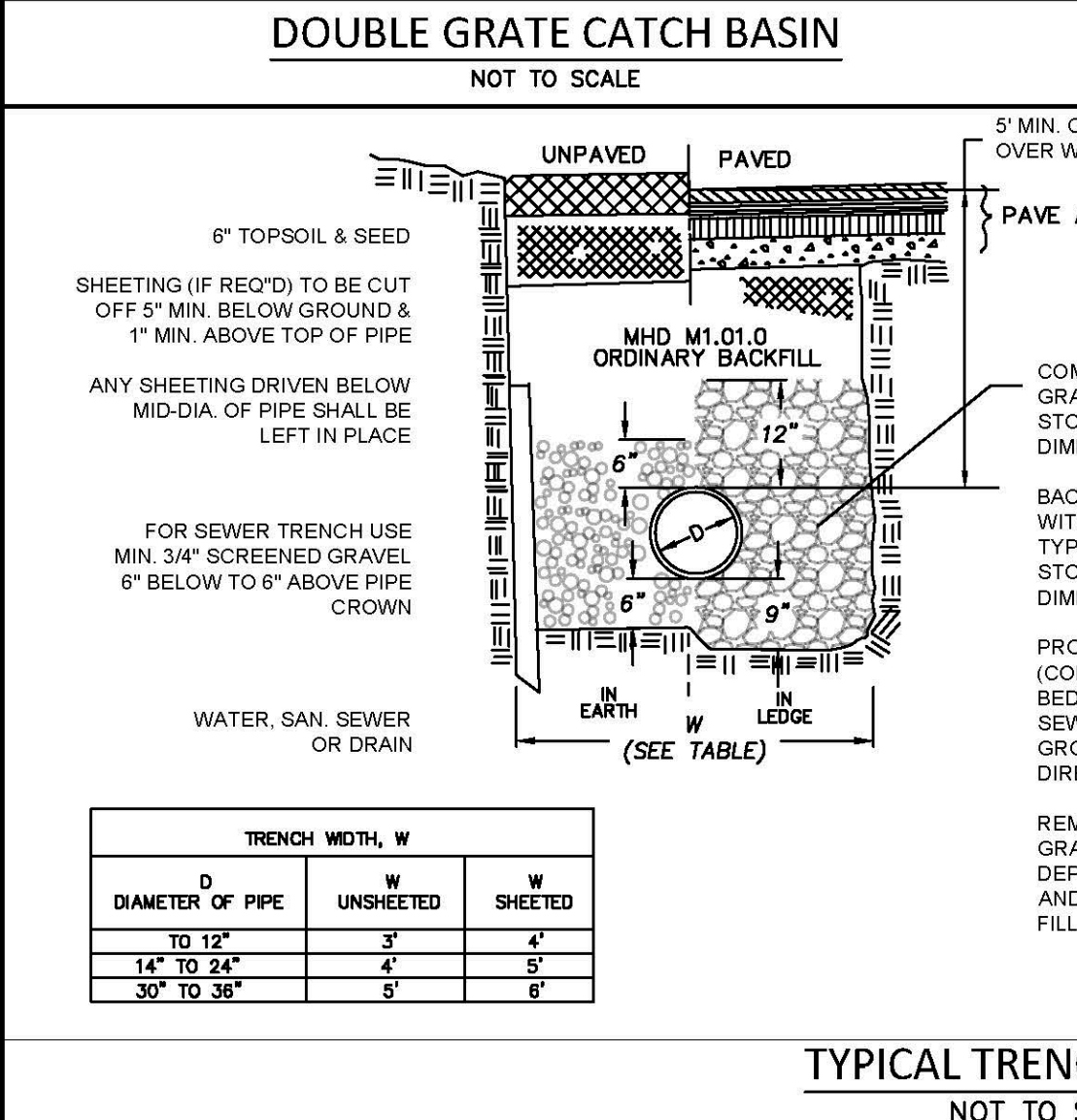
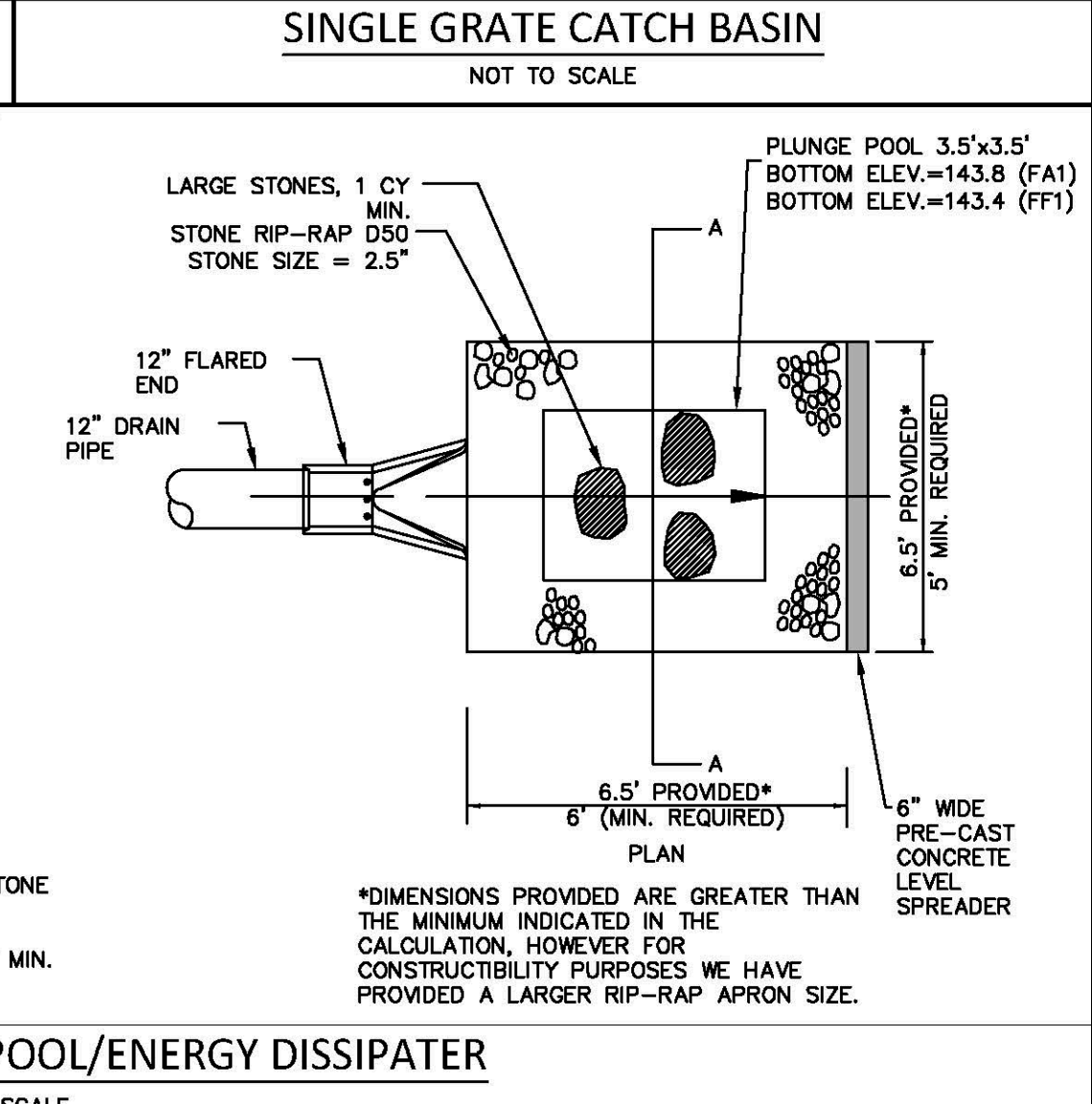
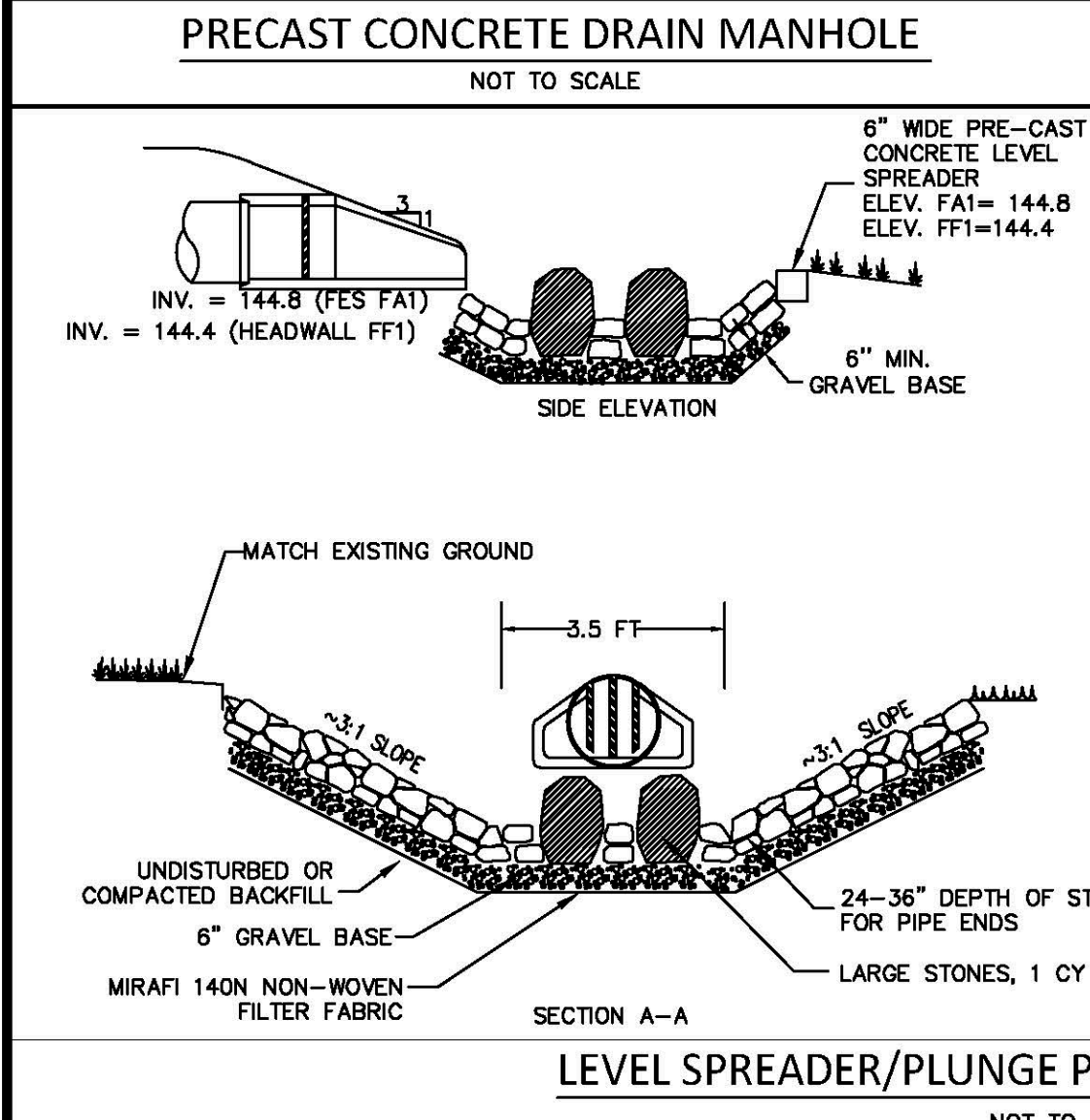
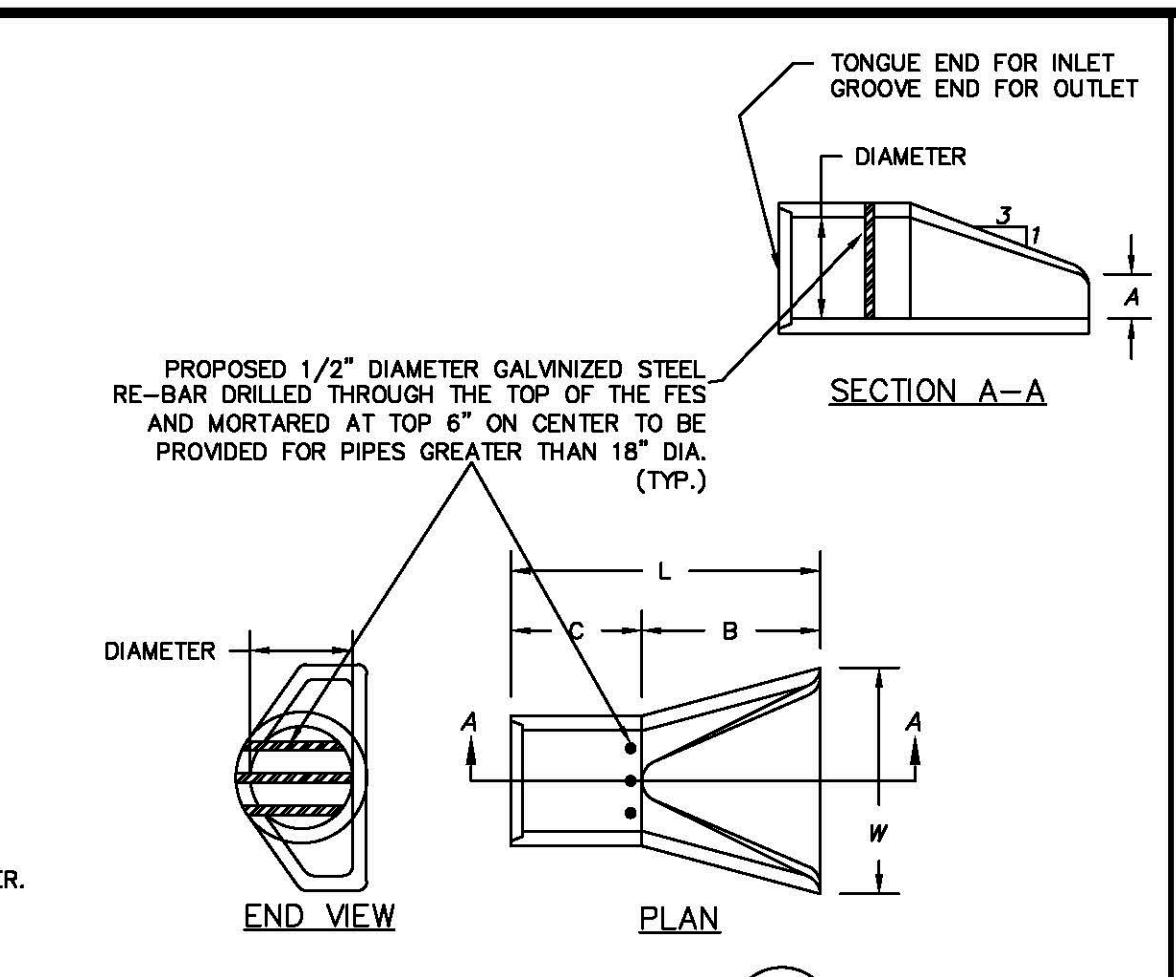
<p>Crocker Design Group 2 SHARP STREET, UNIT B HINGHAM, MA 02043 P: 781-919-0808</p>	<p>HANOVER WEYMOUTH RESIDENTIAL DEVELOPMENT #1325 WASHINGTON STREET, WEYMOUTH, MA</p>	<p>Project HANOVER R.S. LIMITED PARTNERSHIP ONE MARINE PARK DRIVE, SUITE 701, BOSTON, MA 02219</p>	<p>Prepared for HANOVER COMPANY</p>	<p>Drawing Title DETAIL SHEET</p>	<p>Project No. 100-024 Date 4.8.2021 Scale AS NOTED Drawn By AS Approved By GC</p>	<p>Drawing No. C-8.1</p>
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DIAMETER	WEIGHT	A	B	C	L	W
12"	340	4"	1'-10"	2'-0"	3'-10"	2'-0"
18"	670	6"	2'-11"	3'-11"	4'-11"	3'-0"
24"	1300	9 1/2"	3'-6"	4'-6"	5'-6"	4'-0"
30"	1850	1'-0"	4'-5"	5'-5"	6'-5"	4'-0"
36"	3500	1'-3"	5'-2"	6'-2"	7'-2"	4'-0"
42"	4930	1'-9"	5'-3"	6'-3"	7'-3"	4'-0"
48"	6700	2'-0"	6'-0"	7'-0"	8'-0"	4'-0"
54"	7150	2'-3"	6'-6"	7'-6"	8'-6"	4'-0"

NOTES:
1. CLASS AND TYPE OF CONCRETE SHALL BE AS SPECIFIED FOR REINFORCED CONCRETE PIPE.
2. STRUCTURAL DESIGN OF END SECTION SHALL CONFORM TO THAT OF STANDARD REINFORCED CONCRETE CULVERT PIPE.
3. LENGTH OF PIPE SHOWN ON THE PLANS DOES NOT INCLUDE CONNECTOR SECTION (LENGTH C).
4. SECURITY BARS REQUIRED FOR ALL DISCHARGE PIPES 18" IN DIAM. OR GREATER.



7.14.2021	REVISED PER CONSERVATION COMMISSION	1.
Date	Description	No.
Revisions		

GABRIEL R. CROCKER
PROFESSIONAL ENGINEER, MA REGISTRATION #47917

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Project
HANOVER WEYMOUTH RESIDENTIAL DEVELOPMENT
#1325 WASHINGTON STREET, WEYMOUTH, MA

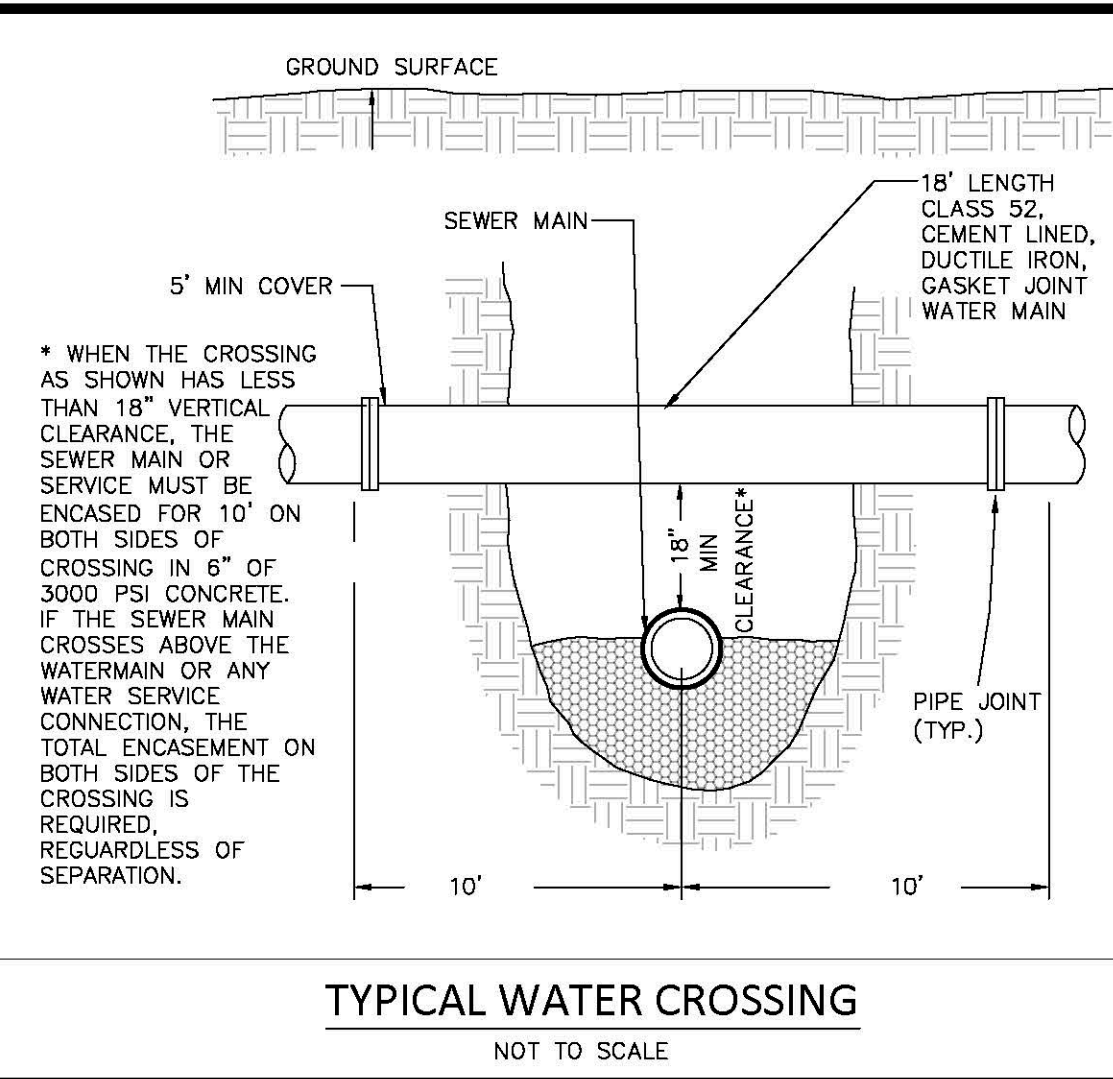
Prepared for
HANOVER R.S. LIMITED PARTNERSHIP
ONE MARINE PARK DRIVE, SUITE 701, BOSTON, MA 02219
HANOVER COMPANY

Drawing Title
DETAIL SHEET

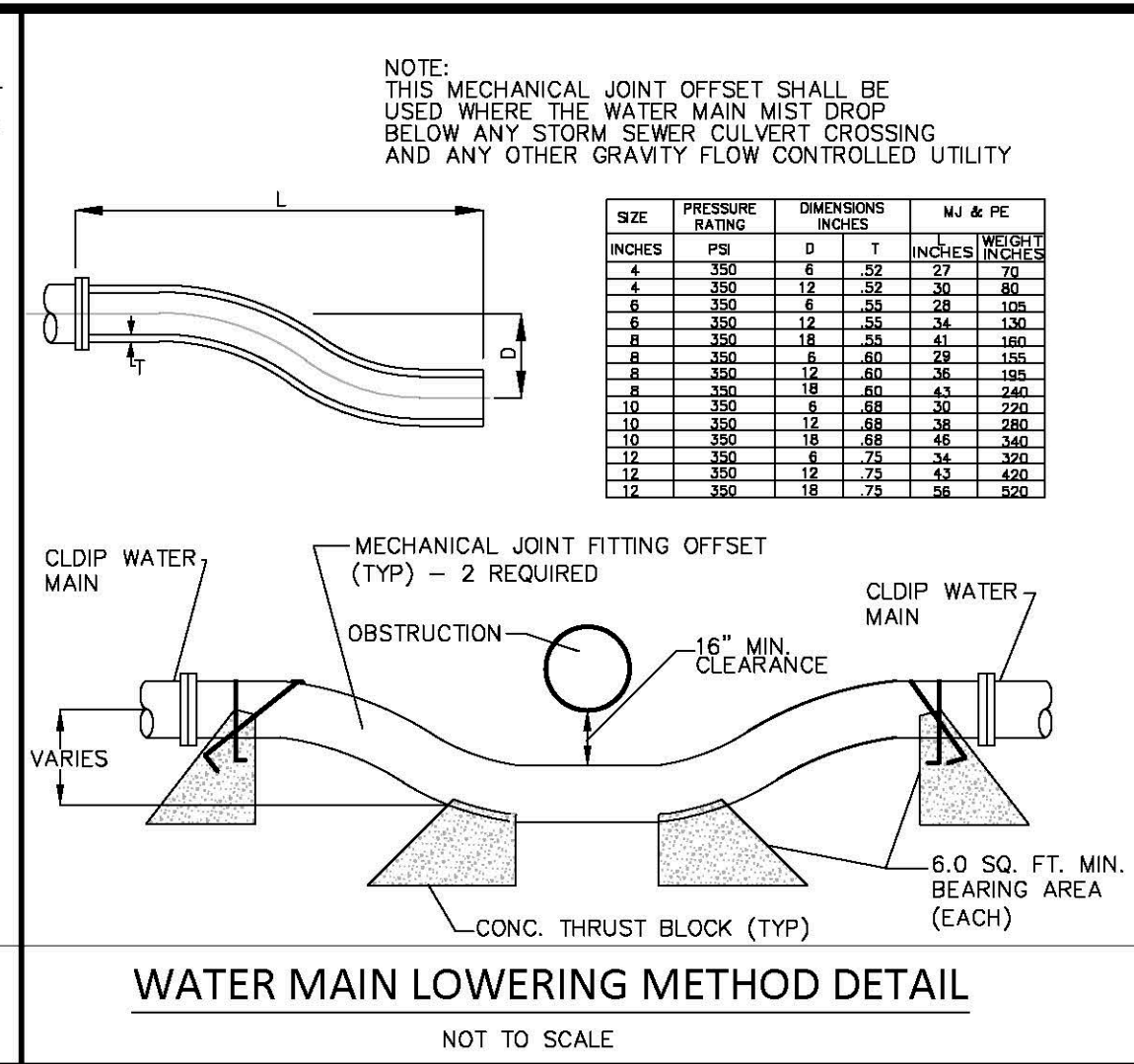
Project No. 100-124
Date 4.8.2021
Scale AS NOTED
Drawn By AS
Approved By GC

Drawing No.
C-8.2

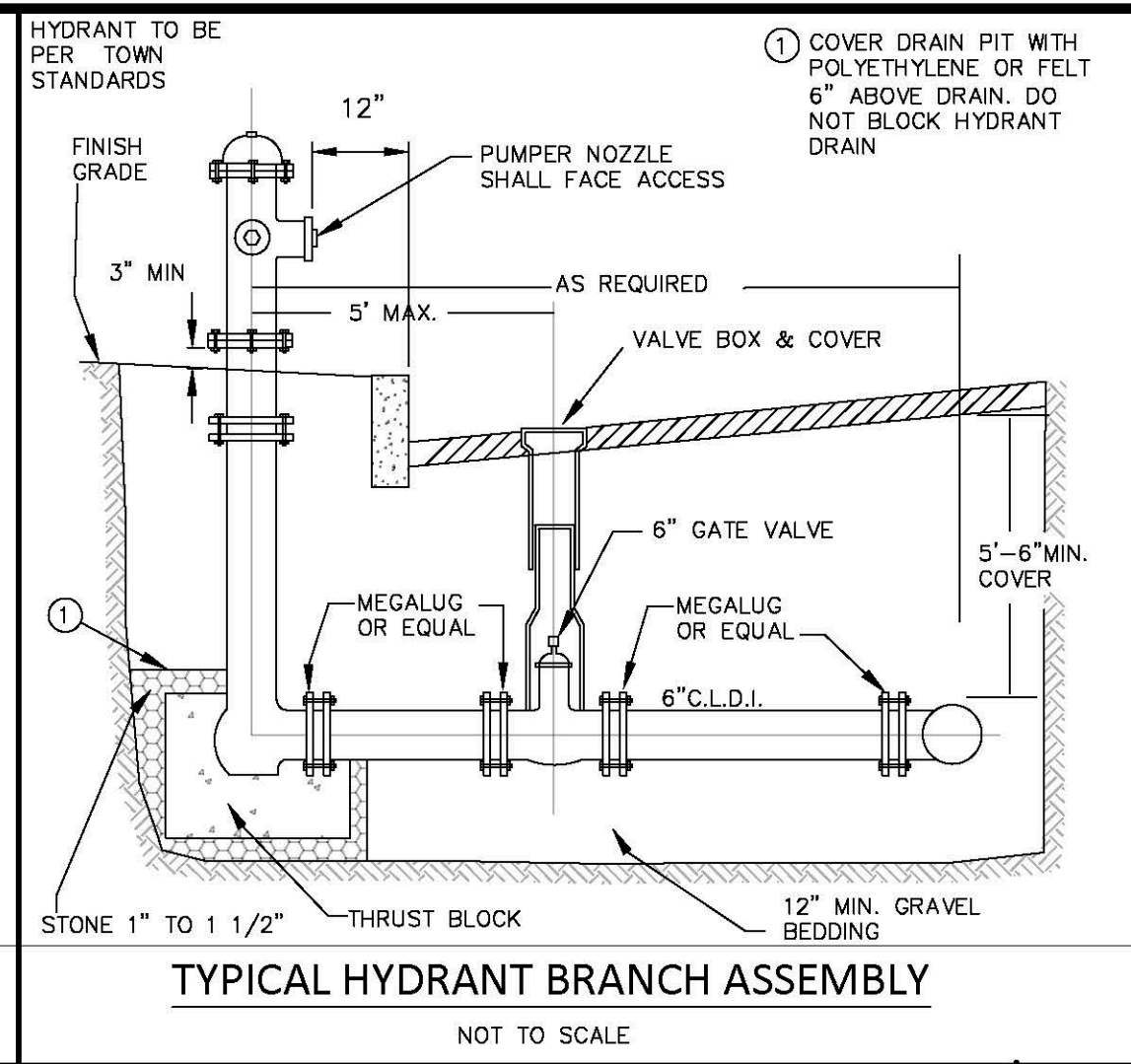
C:\00\Crocker Design Group, LLC\Gabriel Crocker - Projects\100-124 Weymouth - Hanover Companies Applications\08 DETAIL SHEET\08 DETAIL SHEET.dwg, C-8.2 DETAIL SHEET.dwg, Jul 14, 2021, 21:28



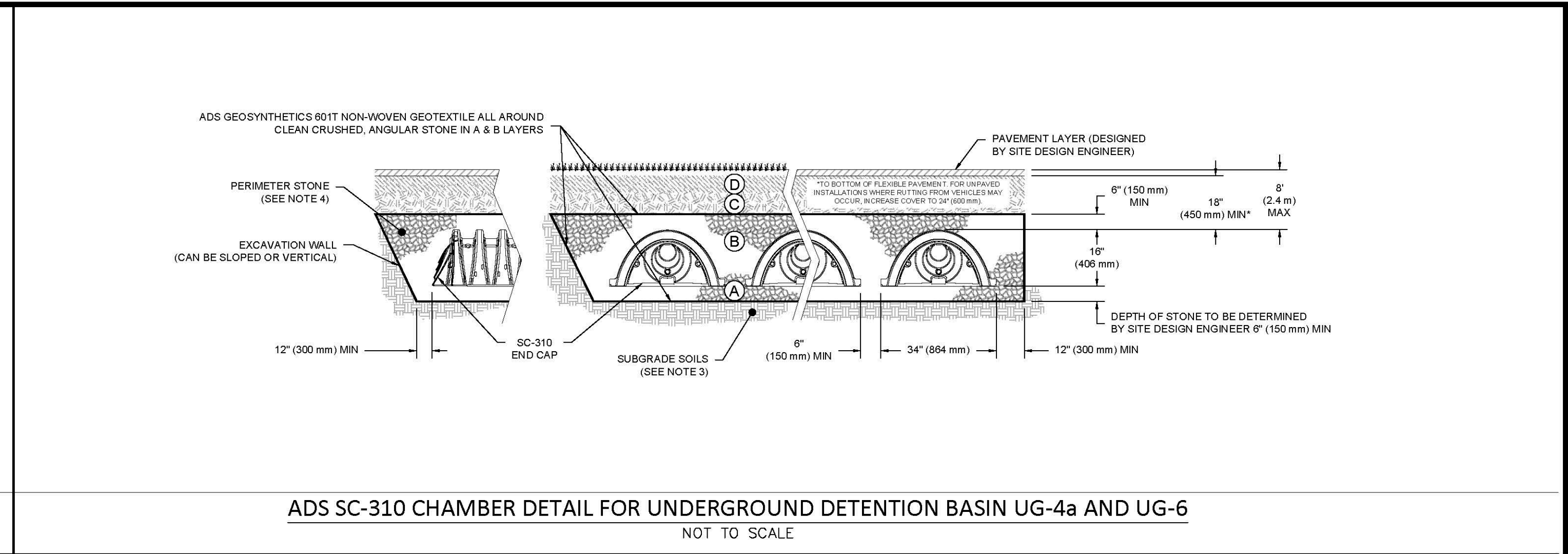
TYPICAL WATER CROSSING
NOT TO SCALE



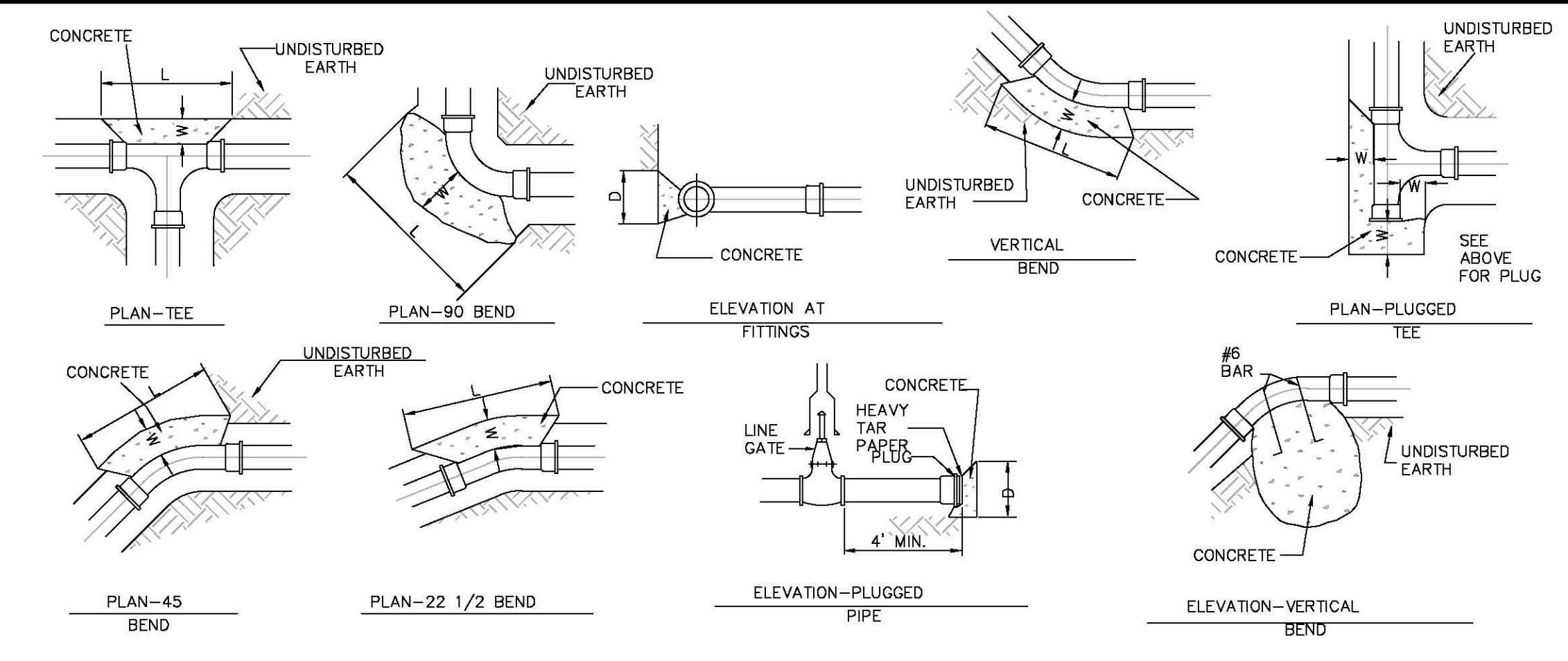
WATER MAIN LOWERING METHOD DETAIL
NOT TO SCALE



TYPICAL HYDRANT BRANCH ASSEMBLY
NOT TO SCALE



ADS SC-310 CHAMBER DETAIL FOR UNDERGROUND DETENTION BASIN UG-4a AND UG-6
NOT TO SCALE

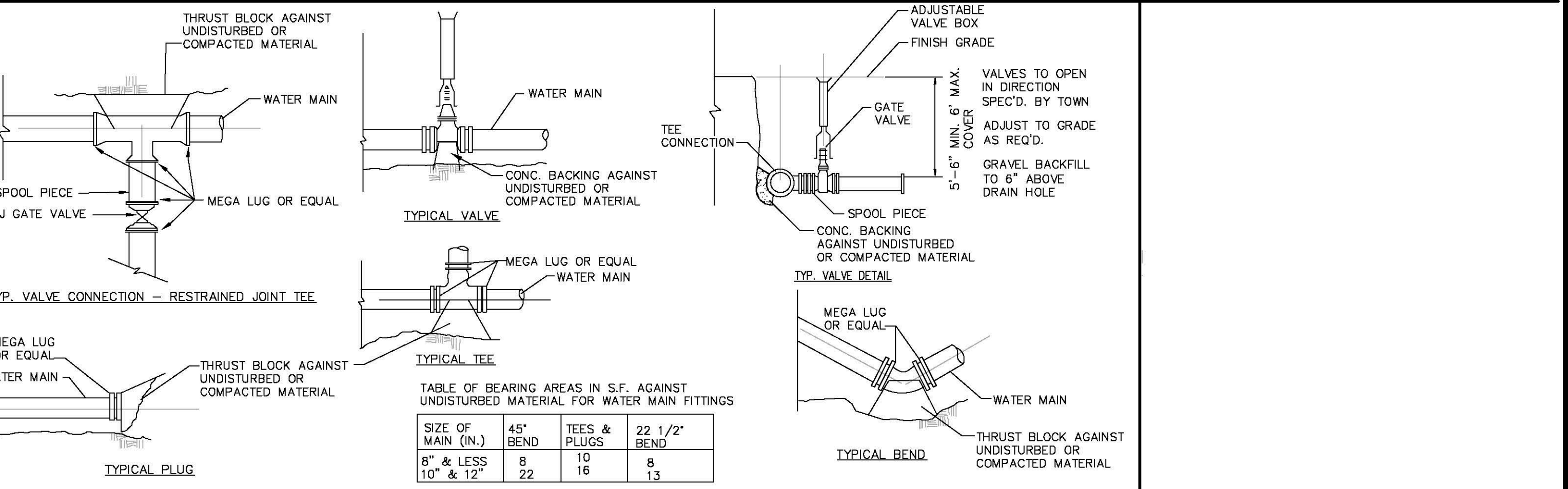


CONCRETE THRUST BLOCK
NOT TO SCALE

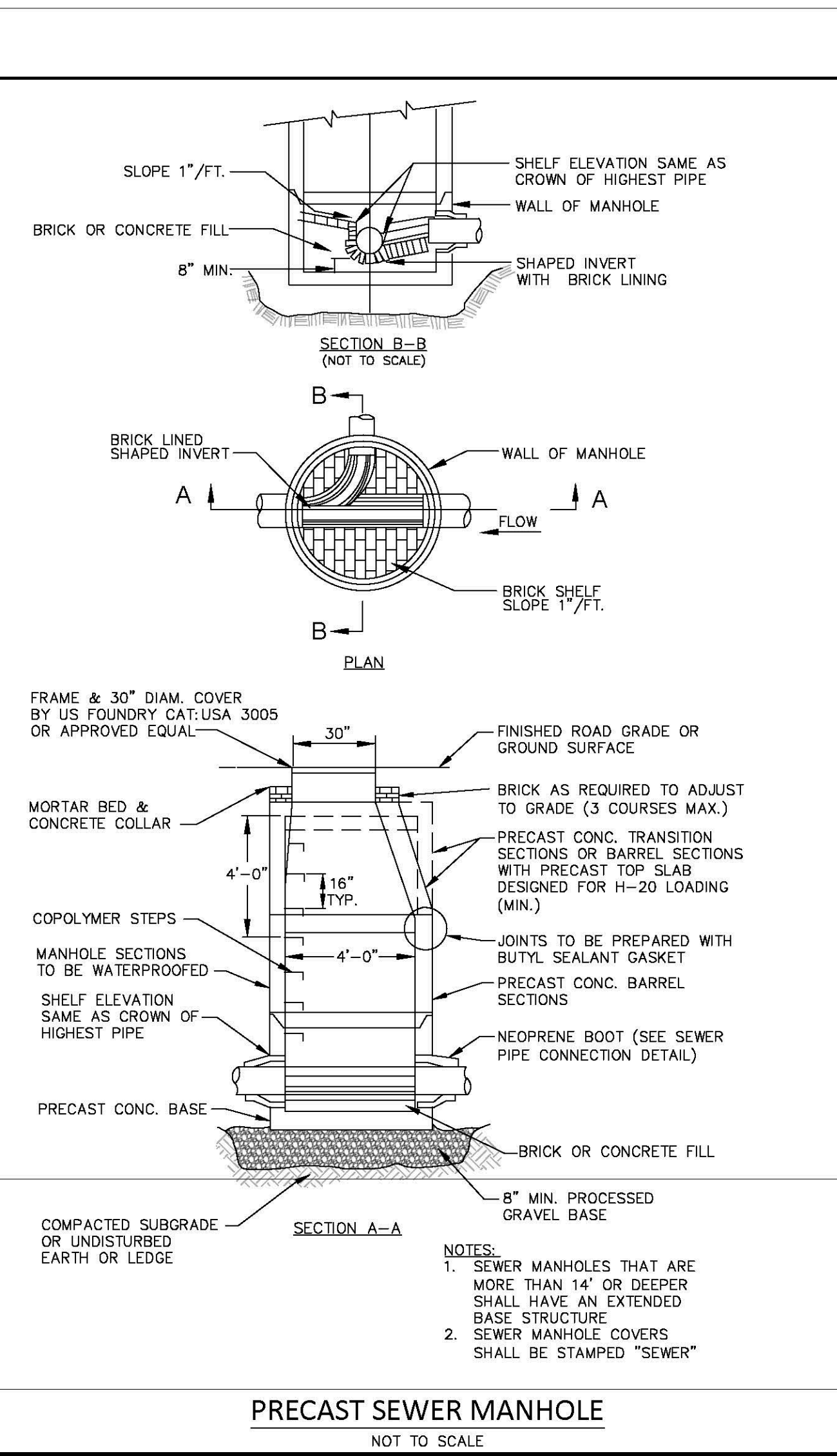
PIPE SIZE	THRUST BLOCK SCHEDULE			
	TEE	45	90	W
6"	18"	15"	12"	21"
8"	2'	18"	12"	18"
12"	3'	2'	12"	3'
16"	4'	2.5'	2.33'	3.1'
20"	5.25'	3'	2'	3.33'
24"	7.5'	3'	18"	3'

BASIS:
 2,000 LB./SQ. FT. SOIL RESISTANCE 250 PSI WATER PRESSURE CORRECTION FACTORS FOR OTHER SOILS:
 SOFT CLAY 4
 SAND 2
 SAND & GRAVEL 1.33
 SHALE 0.4

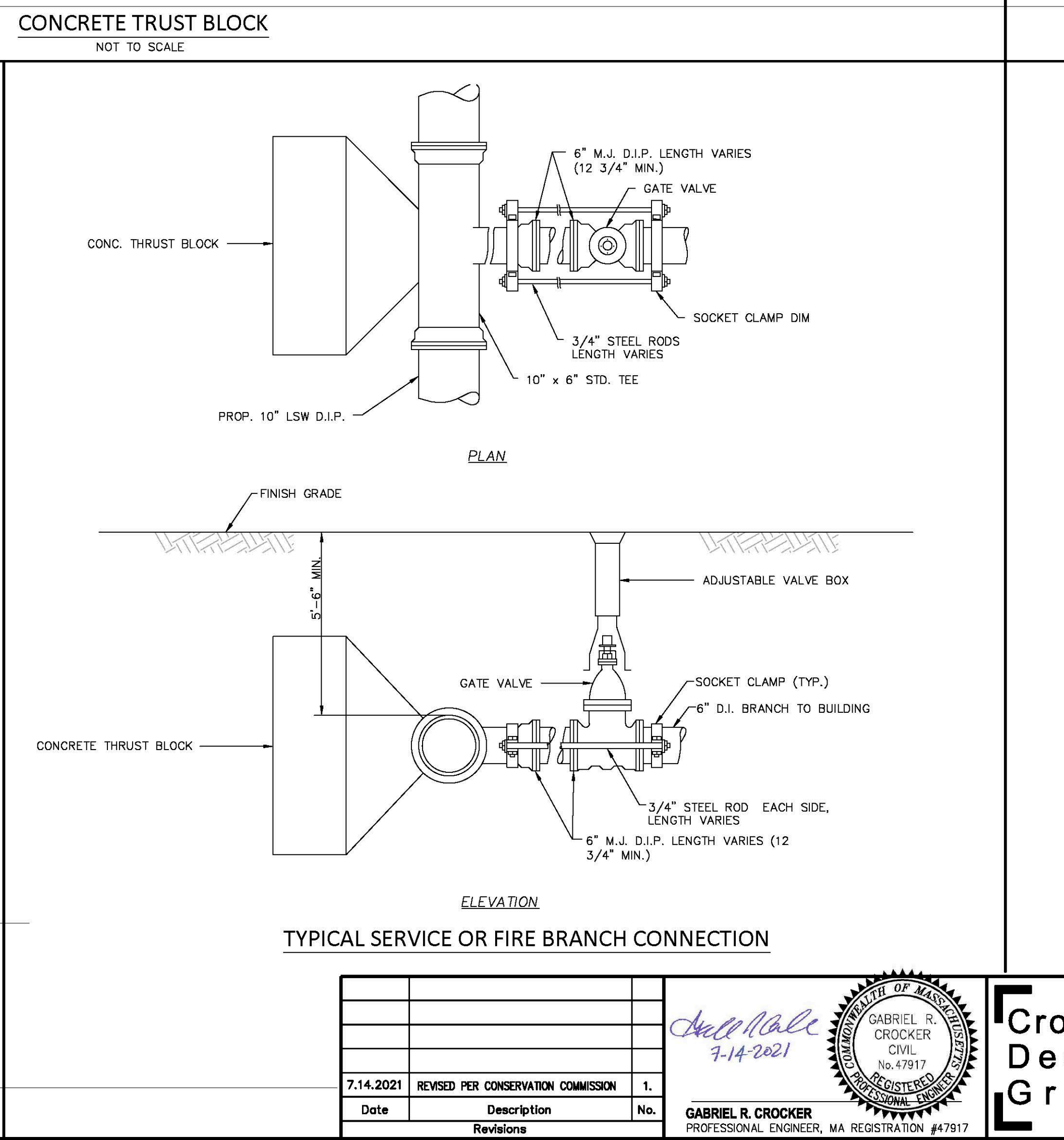
NOTE:
 1. IF SOFT MATERIALS ARE ENCOUNTERED, THE THRUST BLOCKS SIZES SHALL BE ADJUSTED ACCORDINGLY.
 2. CONCRETE TO BE 3000 PSI.



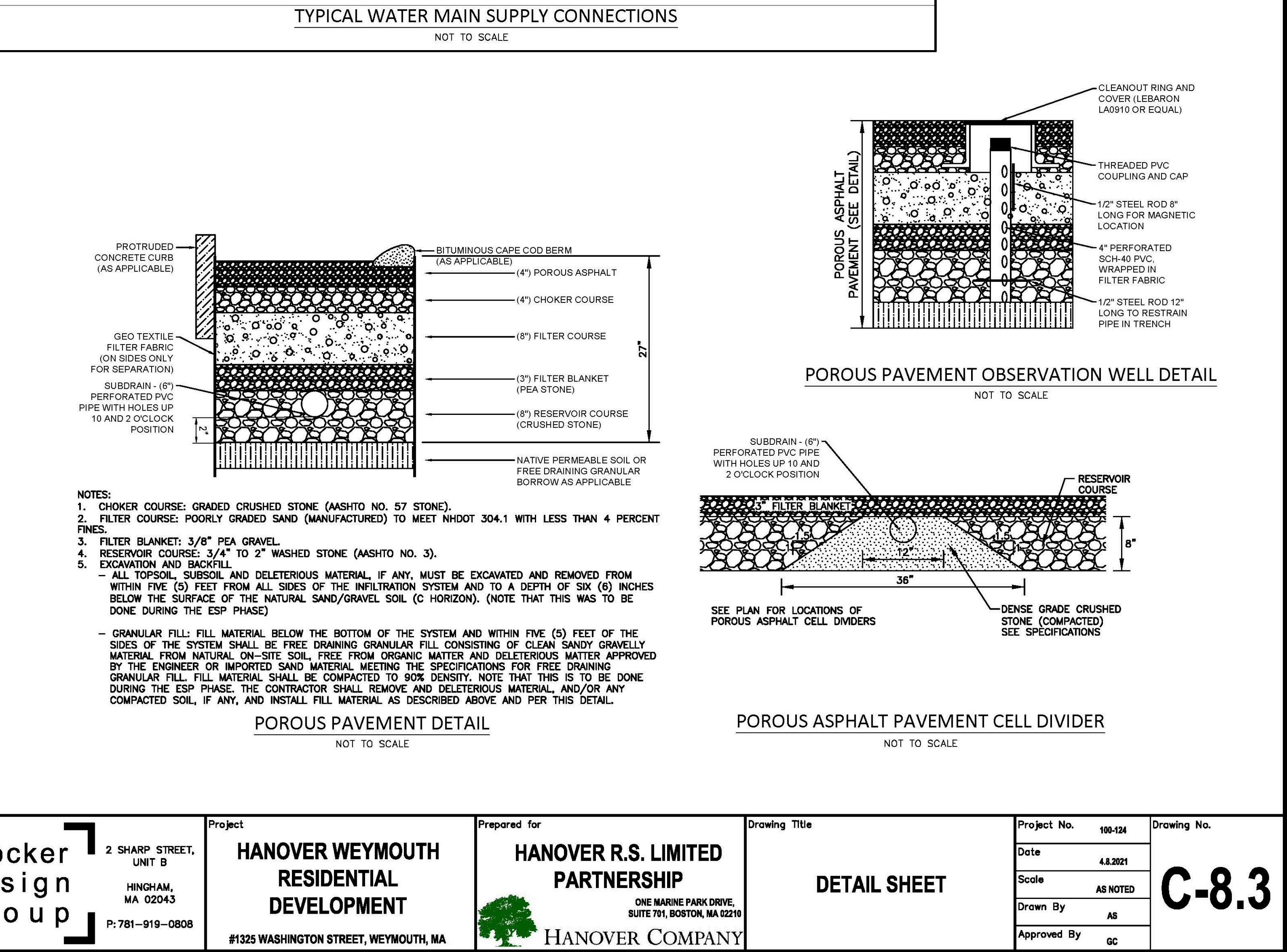
TYPICAL WATER MAIN SUPPLY CONNECTIONS
NOT TO SCALE



PRECAST SEWER MANHOLE
NOT TO SCALE



TYPICAL SERVICE OR FIRE BRANCH CONNECTION



POROUS ASPHALT PAVEMENT DETAIL
NOT TO SCALE

POROUS ASPHALT PAVEMENT CELL DIVIDER
NOT TO SCALE

POROUS ASPHALT PAVEMENT OBSERVATION WELL DETAIL
NOT TO SCALE

Date	Description	No.
7.14.2021	REVISED PER CONSERVATION COMMISSION	1.

GABRIEL R. CROCKER
 CIVIL
 No. 47917
 REGISTERED PROFESSIONAL ENGINEER

Crocker Design Group
 2 SHARP STREET, UNIT B
 HINGHAM, MA 02043
 P: 781-919-0808

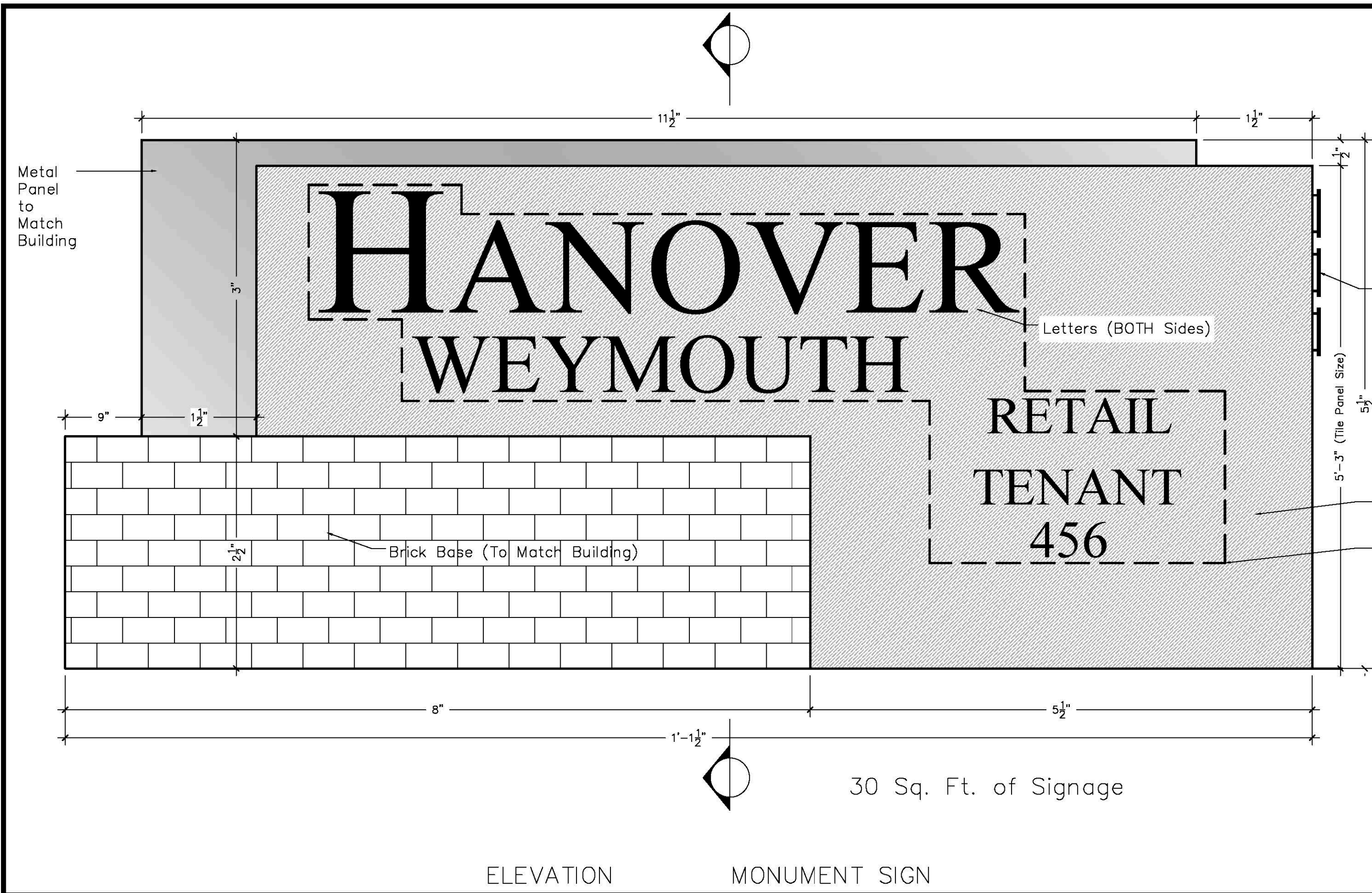
Project
HANOVER WEYMOUTH RESIDENTIAL DEVELOPMENT
 #1325 WASHINGTON STREET, WEYMOUTH, MA

Prepared for
HANOVER R.S. LIMITED PARTNERSHIP
 ONE MARINE PARK DRIVE, SUITE 701, BOSTON, MA 02219
 HANOVER COMPANY

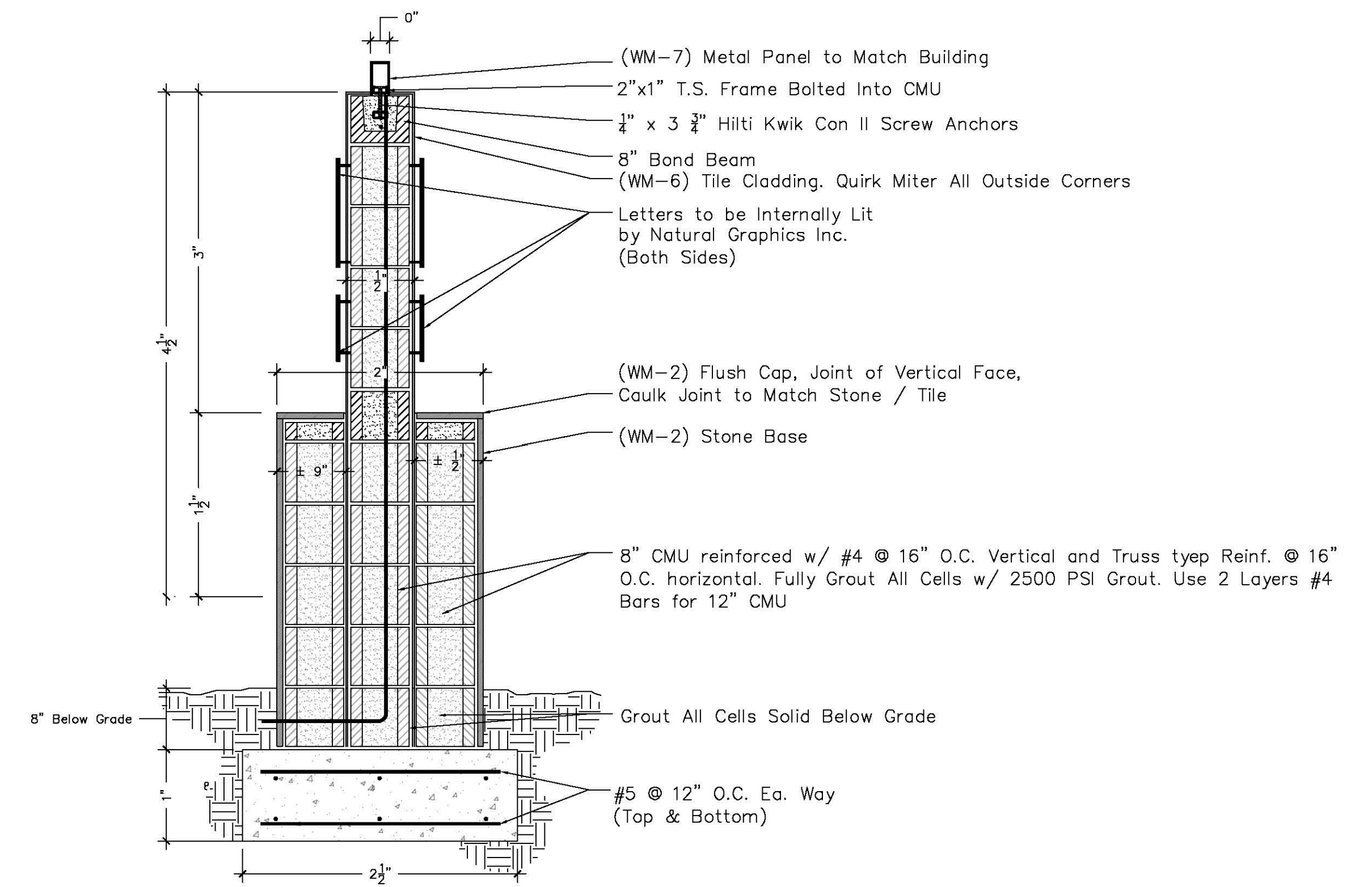
Drawing Title
DETAIL SHEET

Project No. 100-124
 Date 4.8.2021
 Scale AS NOTED
 Drawn By AS
 Approved By GC

C-8.3



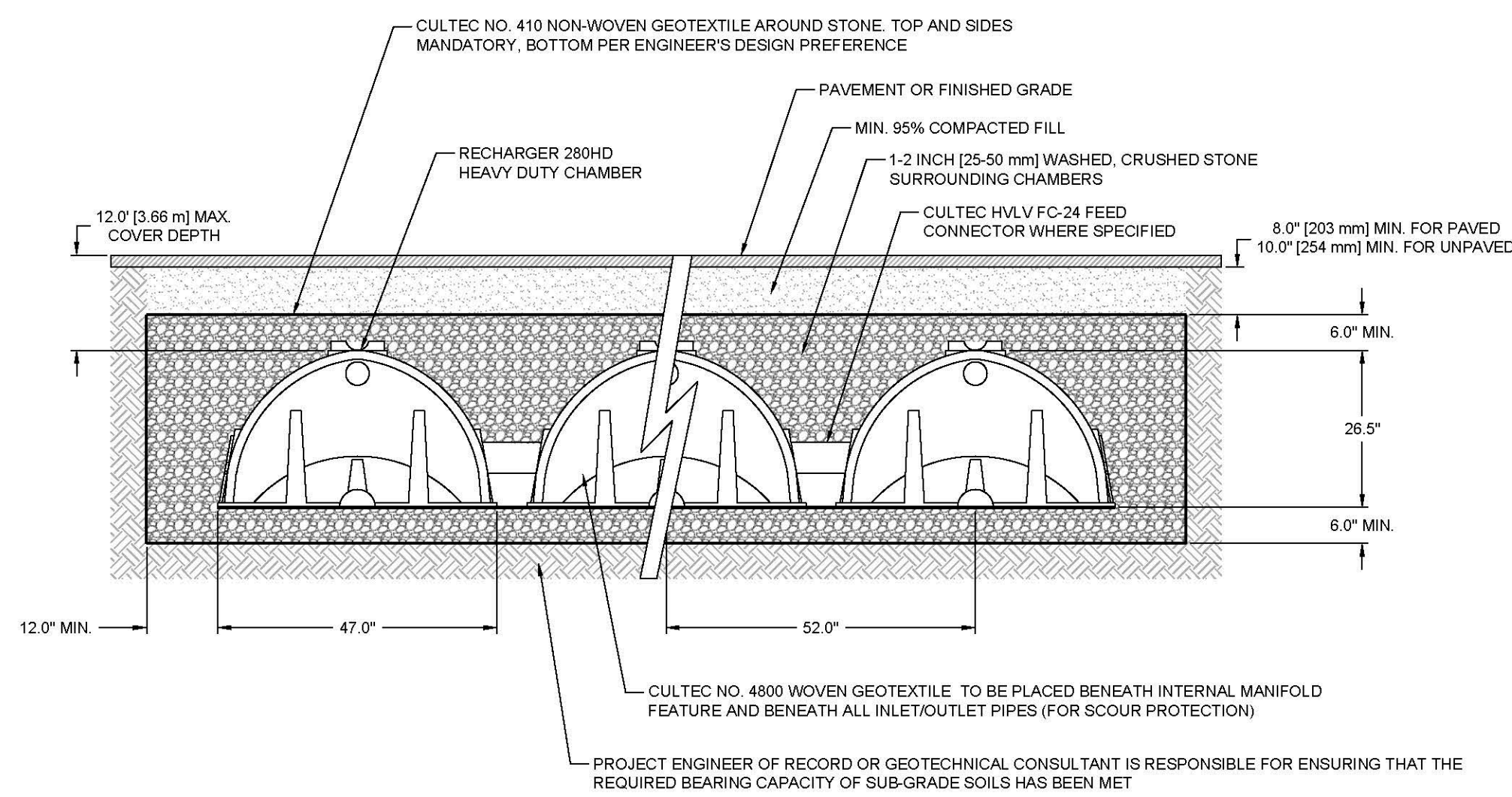
ELEVATION MONUMENT SIGN



SECTION MONUMENT SIGN

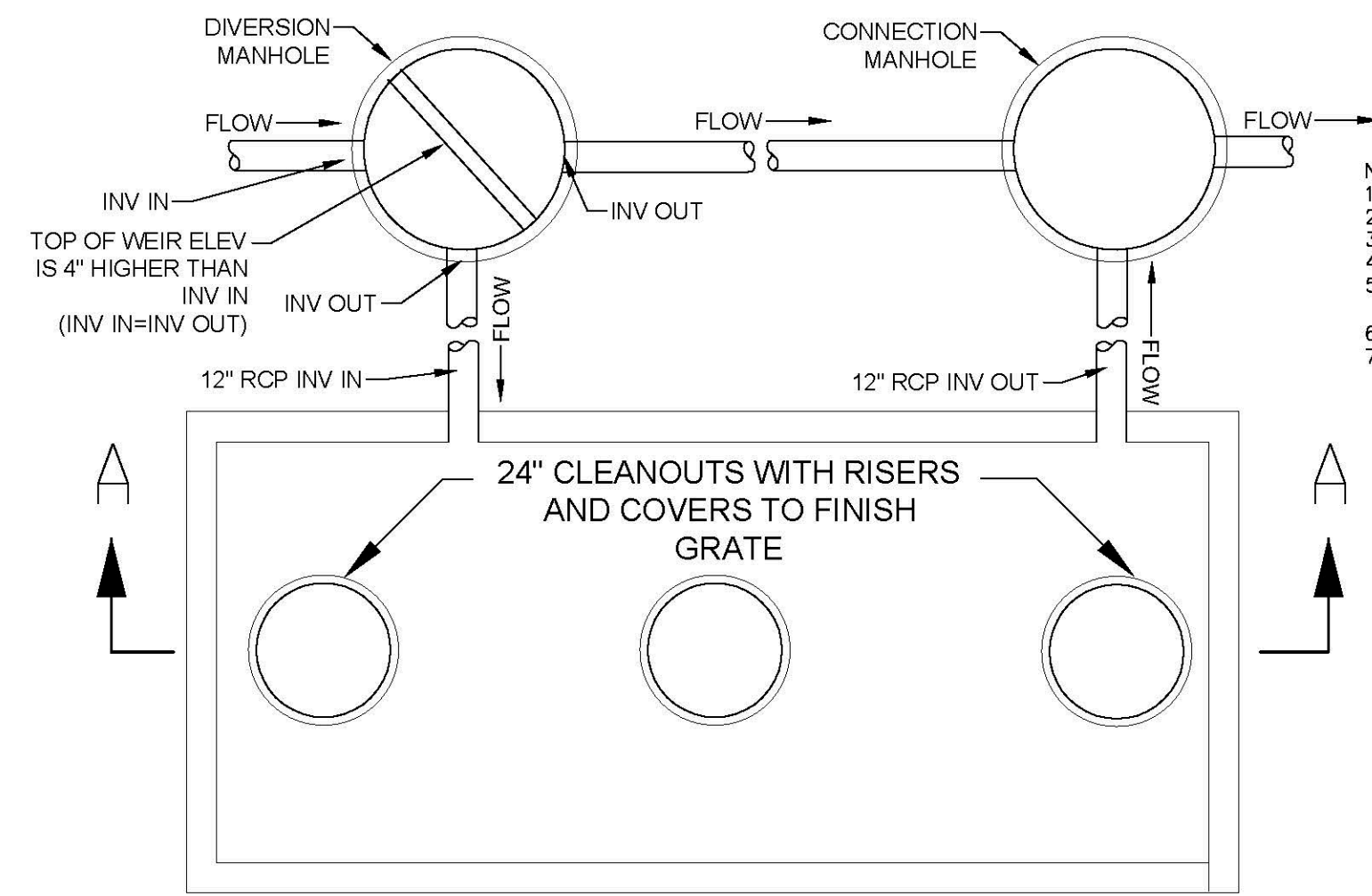
ENTRANCE MONUMENT SIGN DETAIL

NOT TO SCALE



CULTEC R280-HD CHAMBER DETAIL FOR UNDERGROUND INFILTRATION BASIN UG-1b

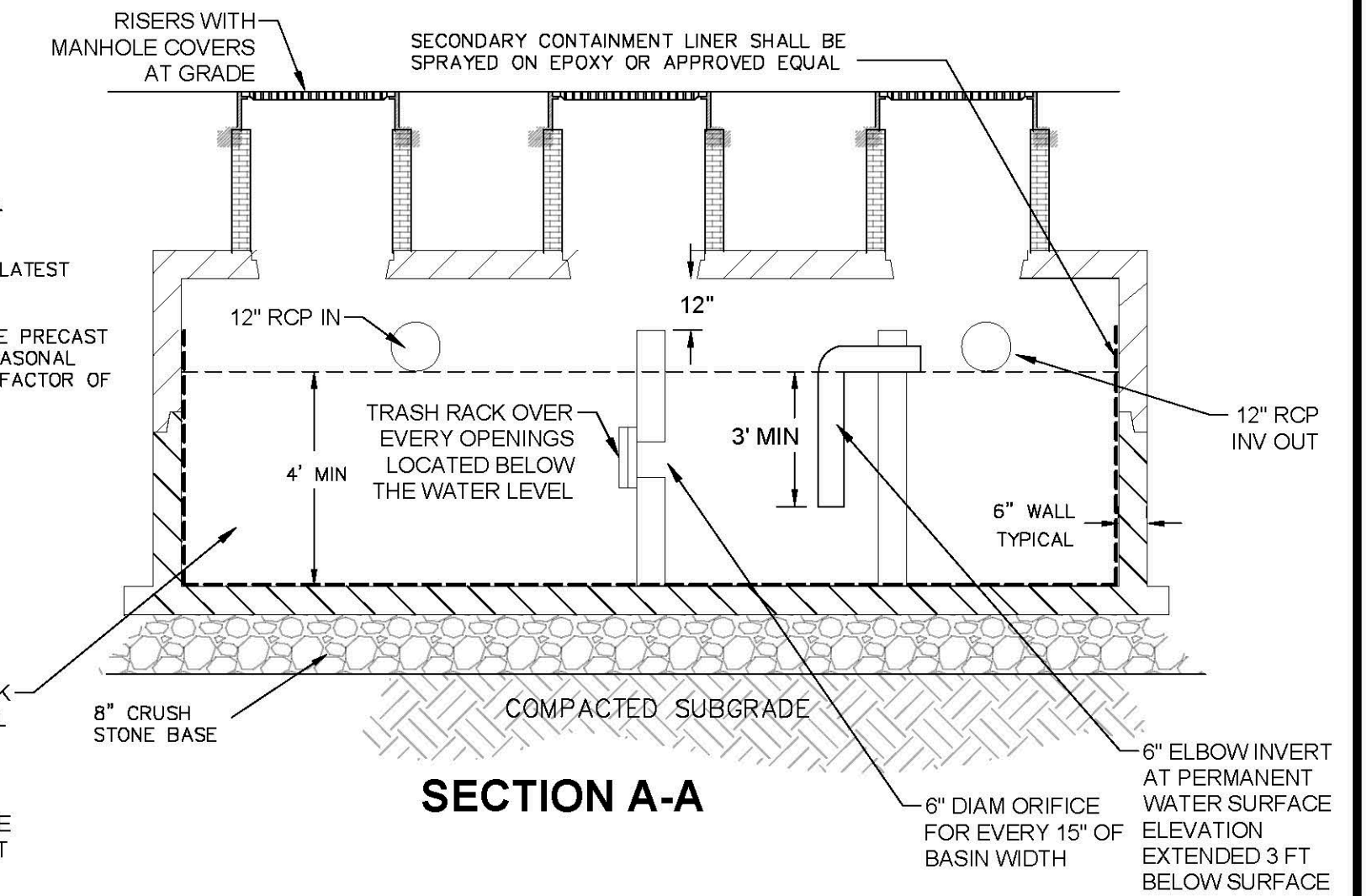
NOT TO SCALE



TYPICAL OIL/GRIT SEPARATOR

- NOTES:
1. MANHOLE DESIGN SHALL CONFORM TO LATEST ASTM C478.
 2. REINFORCING STEEL SHALL CONFORM TO LATEST ASTM A 185.
 3. CONCRETE COMPRESSIVE STRENGTH - 4,000 PSI @ 28 DAYS.
 4. ONE POUR MONOLITHIC BASE.
 5. BITUMASTIC BUTYL RUBBER FOR JOINTS SHALL CONFORM TO LATEST ASTM C443 AND FED. SS-5-201A SPEC.
 6. COVERS TO BE STAMPED "DRAIN".
 7. CONTRACTOR TO PROVIDE BUOYANCY CALCULATIONS WITH THE PRECAST STRUCTURE SHOP DRAWING PACKAGE. ASSUME ESTIMATED SEASONAL HIGH GROUNDWATER IS 2 FEET BELOW EXISTING GRADE. USE FACTOR OF SAFETY OF 1.5 APPLIED TO UNIT FORCE.

REFER TO GRADING AND DRAINAGE PLANS FOR TANK SIZES. PER MA STORMWATER STANDARDS THE POOL STORAGE IN THE FIRST CHAMBER HAS TO ACCOMMODATE 400 OF PER ACRE OF IMPERVIOUS SURFACE. FIRST CHAMBER IS CONSIDERED AT MINIMUM, HALF OF STORAGE VOLUME OF THE ENTIRE STRUCTURE. ALSO REFER TO STORMWATER REPORT SECTION 4.3 FOR TANK OUTPUT SPREADSHEET



SECTION A-A

Date	Description	No.
7.14.2021	REVISED PER CONSERVATION COMMISSION	1.

Gabriel R. Crocker
7-14-2021

GABRIEL R. CROCKER
PROFESSIONAL ENGINEER, MA REGISTRATION #47917

Crocker Design Group
2 SHARP STREET, UNIT B
HINGHAM, MA 02043
P: 781-919-0808

Project
HANOVER WEYMOUTH RESIDENTIAL DEVELOPMENT
#1325 WASHINGTON STREET, WEYMOUTH, MA

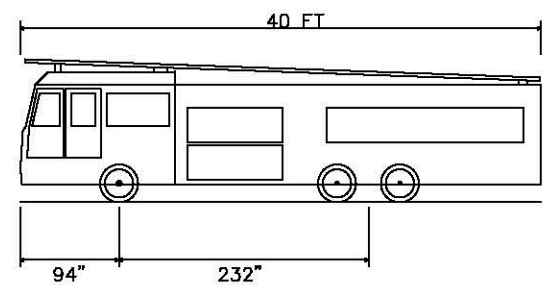
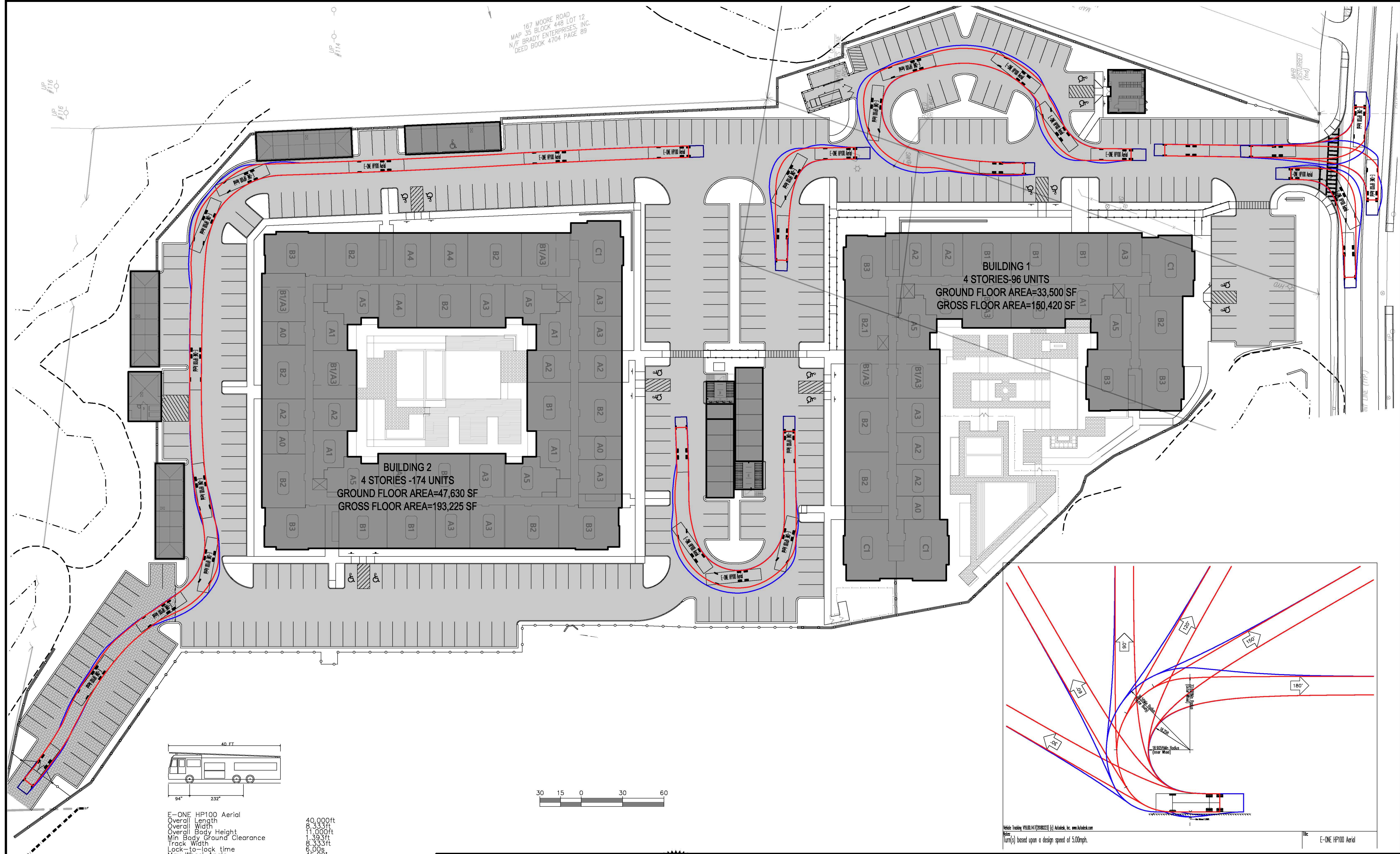
Prepared for
HANOVER R.S. LIMITED PARTNERSHIP
ONE MARINE PARK DRIVE, SUITE 701, BOSTON, MA 02219
HANOVER COMPANY

Drawing Title
DETAIL SHEET

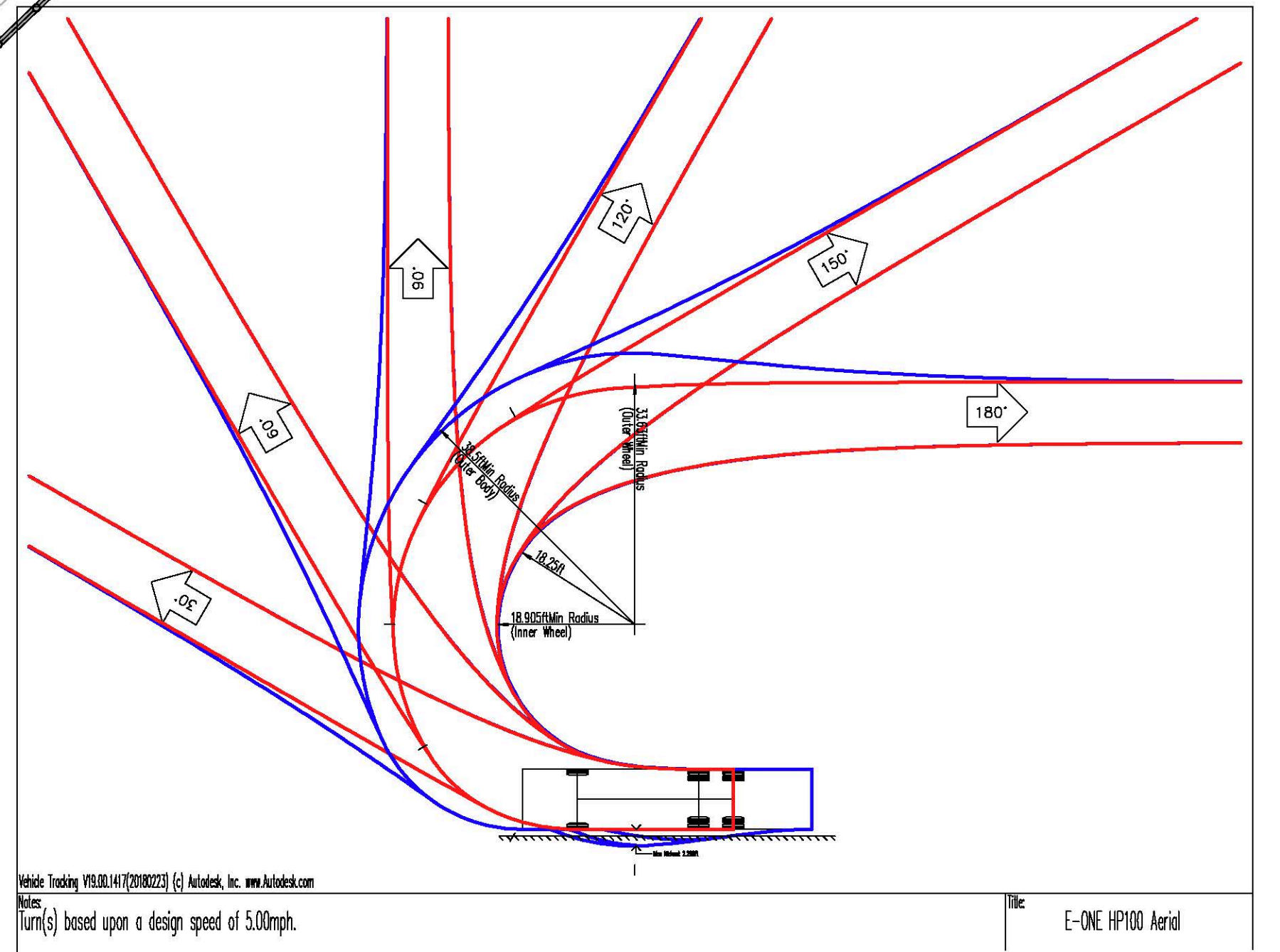
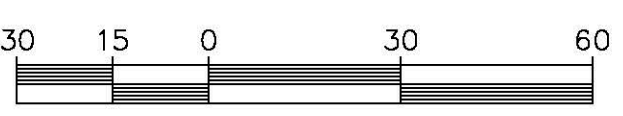
Project No. 100-124
Date 4.8.2021
Scale AS NOTED
Drawn By AS
Approved By GC

Drawing No.
C-8.4

167 MOORE ROAD
 MAP 35 BLOCK 448 LOT 12
 N/F BRADY ENTERPRISES, INC.
 DEED BOOK 4704 PAGE 89



E-ONE HP100 Aerial
 Overall Length 40.000ft
 Overall Width 8.333ft
 Overall Body Height 11.000ft
 Min Body Ground Clearance 1.393ft
 Track Width 8.333ft
 Lock-to-lock time 6.00s
 Max Wheel Angle 45.00°



Date	Description	No.
7.14.2021	REVISED PER CONSERVATION COMMISSION	1.

Gabe Crocker
 7-14-2021
 GABRIEL R. CROCKER
 CIVIL
 No. 47917
 REGISTERED PROFESSIONAL ENGINEER
 GABRIEL R. CROCKER
 PROFESSIONAL ENGINEER, MA REGISTRATION #47917

Crocker Design Group
 2 SHARP STREET, UNIT B
 HINGHAM, MA 02043
 P: 781-919-0808

Project
HANOVER WEYMOUTH RESIDENTIAL DEVELOPMENT
 #1325 WASHINGTON STREET, WEYMOUTH, MA

Prepared for
HANOVER R.S. LIMITED PARTNERSHIP
 ONE MARINE PARK DRIVE, SUITE 701, BOSTON, MA 02219
HANOVER COMPANY

Drawing Title
VEHICLE TURNING PLAN EXHIBIT

Project No. 100-124
 Date 4.8.2021
 Scale 1"=30'
 Drawn By AS
 Approved By GC
C-9

**PROPOSED
LANDSCAPING AREA**

**PROPOSED BUFFER
ENHANCEMENT AREA
5,487 SF**

**PROPOSED BUFFER
ENHANCEMENT AREA
4,022 SF**

**EXISTING LANDSCAPE
BUFFER TO REMAIN (TYP.)**

**EXISTING LANDSCAPE
BUFFER TO REMAIN (TYP.)**

EXISTING BUFFER AREA TO REMAIN (62,750 SF)
 AVERAGE BUFFER WIDTH ALONG WETLAND "E" = 286'
 AVERAGE BUFFER WIDTH ALONG INTERMITTENT STREAM = 244'

PROPOSED BUFFER ENHANCEMENT AREA (9,509 SF)

PROPOSED LANDSCAPED AREA (6,000 SF)

PROPOSED WORK WITHIN 100' OF VERNAL POOL (1,600 SF)

PROPOSED LIMIT OF WORK / LIMIT OF DISTURBANCE

- NOTES:
- CONSIDERATION WILL BE GIVEN TO LEAVING EXISTING MATURE UPLAND TREES ON HUMMOCKS WITHIN THE ENHANCEMENT AREA, AS THEY CAN PROVIDE SHADING AND REDUCE HEAT WITHIN THE SOIL STRATA AND RESULTANT EVAPORATION. TREES TO REMAIN IN PLACE ON HUMMOCKS WILL BE SELECTED AND FLAGGED BY A QUALIFIED WETLAND SCIENTIST PRIOR TO INITIATING CLEARING ACTIVITIES.
 - THE TRANSITION BETWEEN THE ENHANCEMENT AREA EDGE AND THE EXISTING WETLAND EDGE SHALL BE GRADED IN A MANNER THAT RESULTS IN A NATURAL SLOPE (NO ARTIFICIAL BERM). THIS REFINED GRADING SHALL BE CONDUCTED UNDER THE SUPERVISION OF A QUALIFIED WETLAND SCIENTIST.
 - THE EXISTING ACCESS ROAD WILL BE TILLED AND SUPPLEMENTED WITH 6" OF LOAM TO CREATE A SUITABLE PLANTING MEDIUM FOR THE SUPPLEMENTAL BUFFER ZONE ENHANCEMENT PLANTING AND SOWN WITH A CONSERVATION SEED MIX.

Date	Description	No.

GABRIEL R. CROCKER
 PROFESSIONAL ENGINEER, MA REGISTRATION #47917

Crocker Design Group
 2 SHARP STREET, UNIT B
 HINGHAM, MA 02043
 P: 781-919-0808

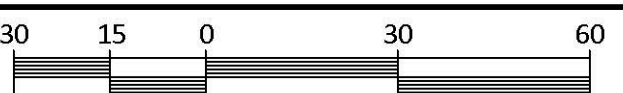
Project
**HANOVER WEYMOUTH
 RESIDENTIAL
 DEVELOPMENT**
 #1325 WASHINGTON STREET, WEYMOUTH, MA

Prepared for
**HANOVER R.S. LIMITED
 PARTNERSHIP**
 ONE MARINE PARK DRIVE,
 SUITE 701, BOSTON, MA 02219
HANOVER COMPANY

Drawing Title
**BUFFER ZONE
 RESTORATION AND
 ENHANCEMENT PLAN**

Project No.	100-124
Date	6.21.2021
Scale	1"=30'
Drawn By	AS
Approved By	GC

W-1

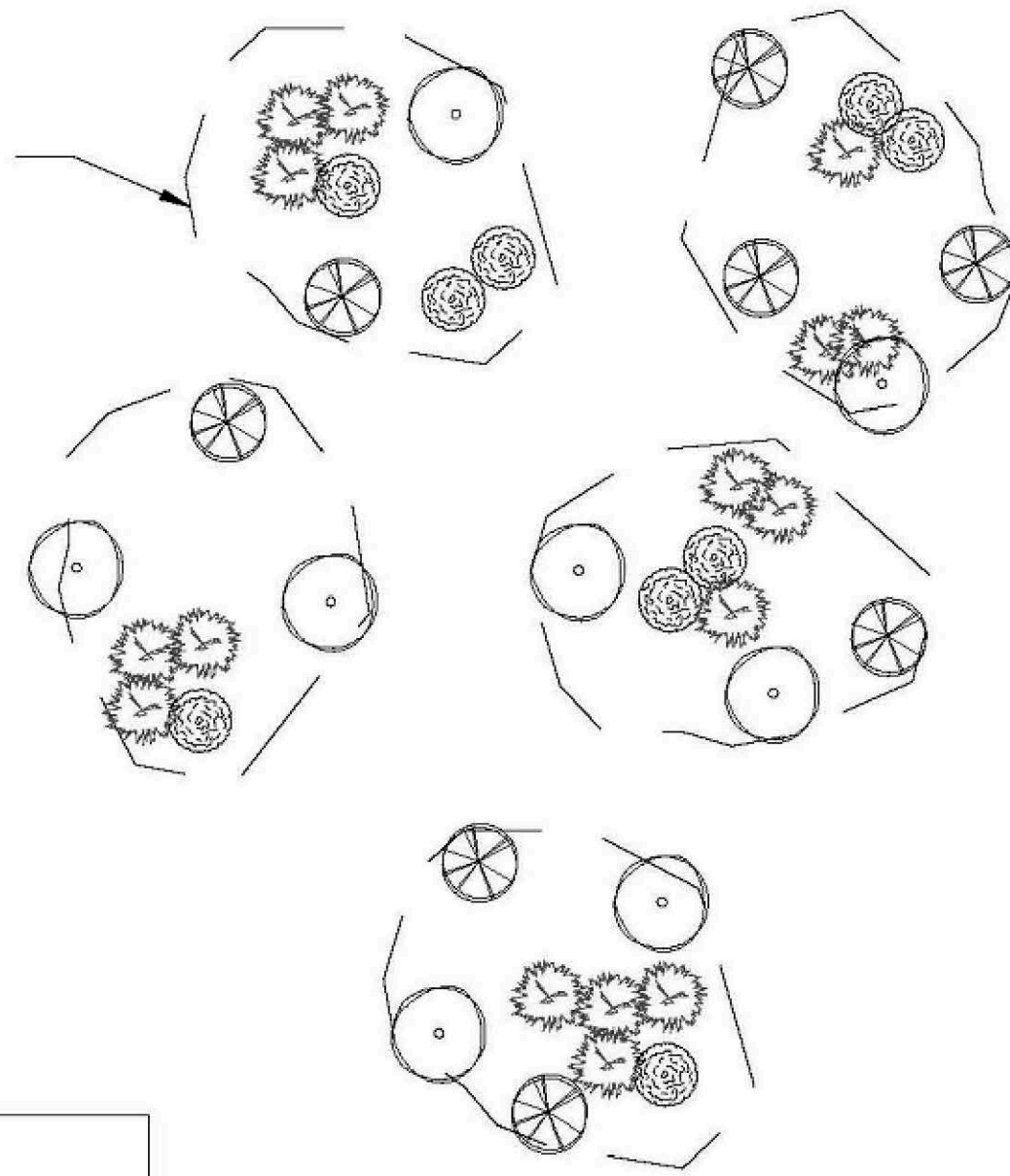


PLANT SPACING DETAILS

NOT TO SCALE

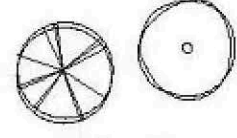
TYPICAL WETLAND PLANTING LAYOUT

TYP. WETLAND PLANTING MOUND

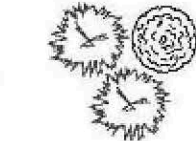


LEGEND

TREES (TYP.)

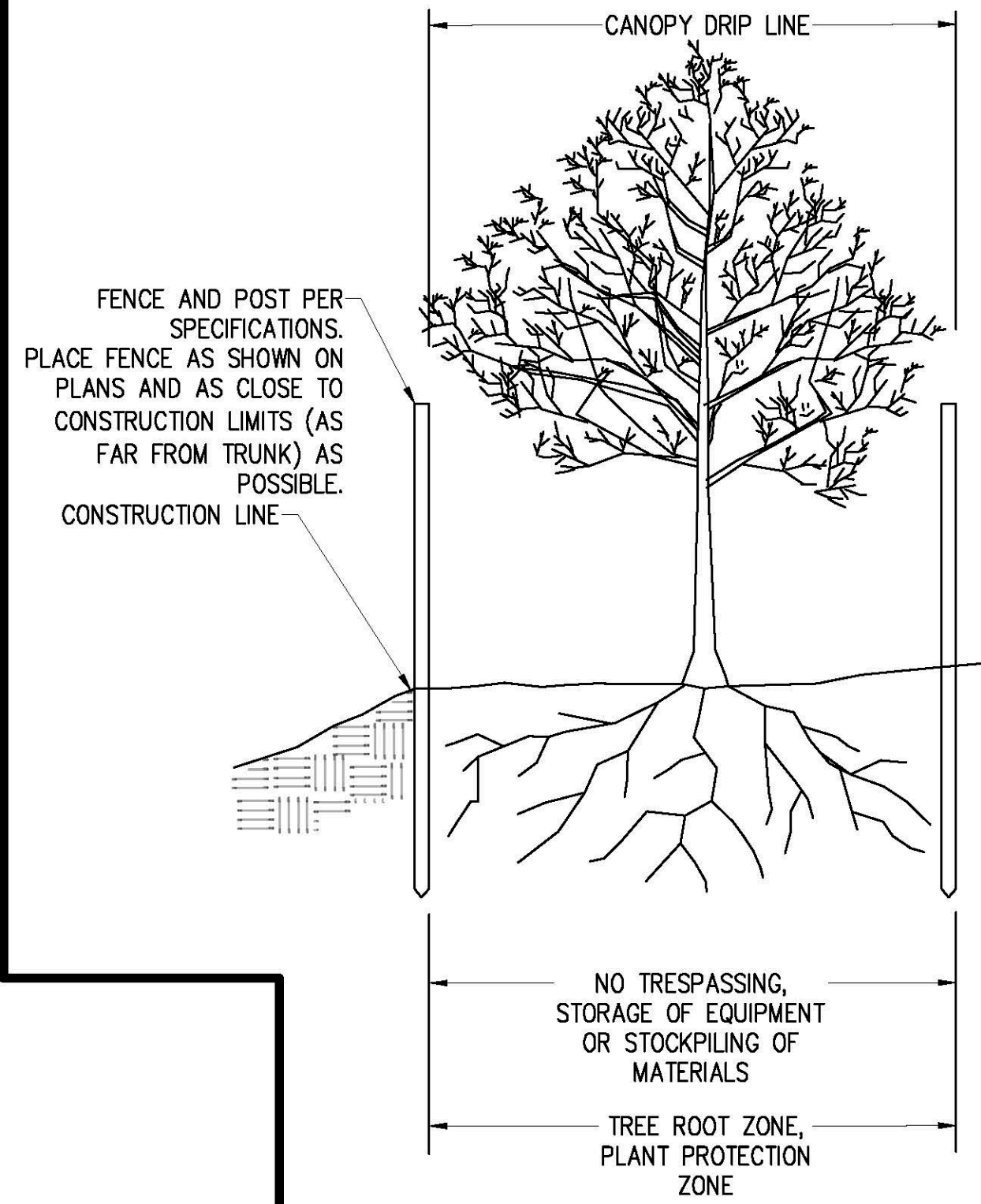


SHRUBS (TYP.)

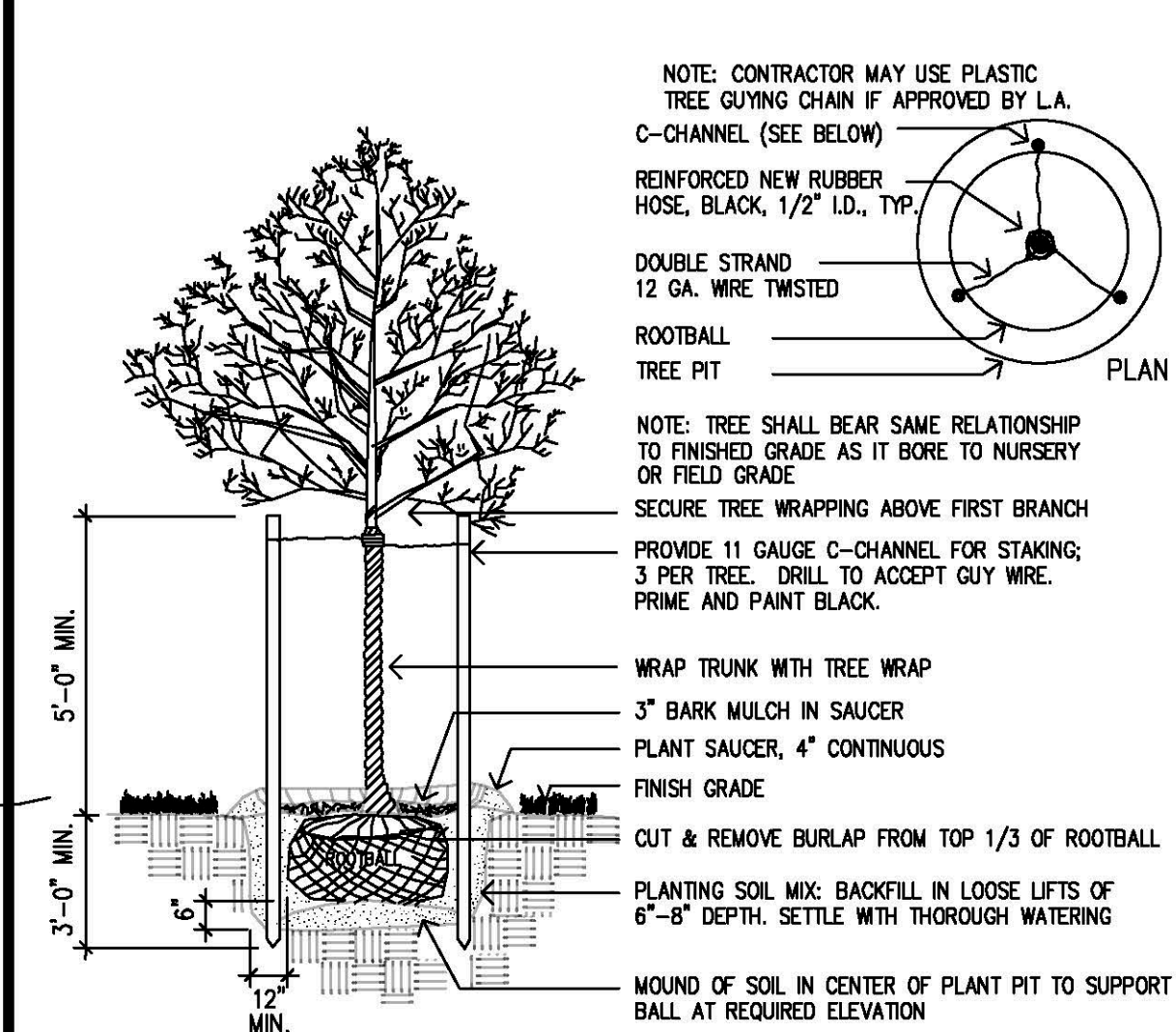


CONSERVATION SEED MIX SPECS FOR RESTORATION AND BUFFER ENHANCEMENT AREA

Botanical Name	Common Name	Indicator
<i>Elymus virginicus</i>	Virginia Wild Rye	FACW-
<i>Schizachyrium scoparium</i>	Little Bluestem	FACU
<i>Andropogon gerardii</i>	Big Bluestem	FAC
<i>Festuca rubra</i>	Red Fescue	FACU
<i>Sorghastrum nutans</i>	Indian Grass	UPL
<i>Panicum virgatum</i>	Switch Grass	FAC
<i>Chamaecrista fasciculata</i>	Partridge Pea	FACU
<i>Desmodium canadense</i>	Showy Tick Trefoil	FAC
<i>Asclepias tuberosa</i>	Butterfly Milkweed	NI
<i>Bidens frondosa</i>	Beggar Ticks	FACW
<i>Eupatorium purpureum (Eutrochium maculatum)</i>	Purple Joe Pye Weed	FAC
<i>Rudbeckia hirta</i>	Black Eyed Susan	FACU-
<i>Aster pilosus (Symphyotrichum pilosum)</i>	Heath (or Hairy) Aster	UPL
<i>Solidago juncea</i>	Early Goldenrod	

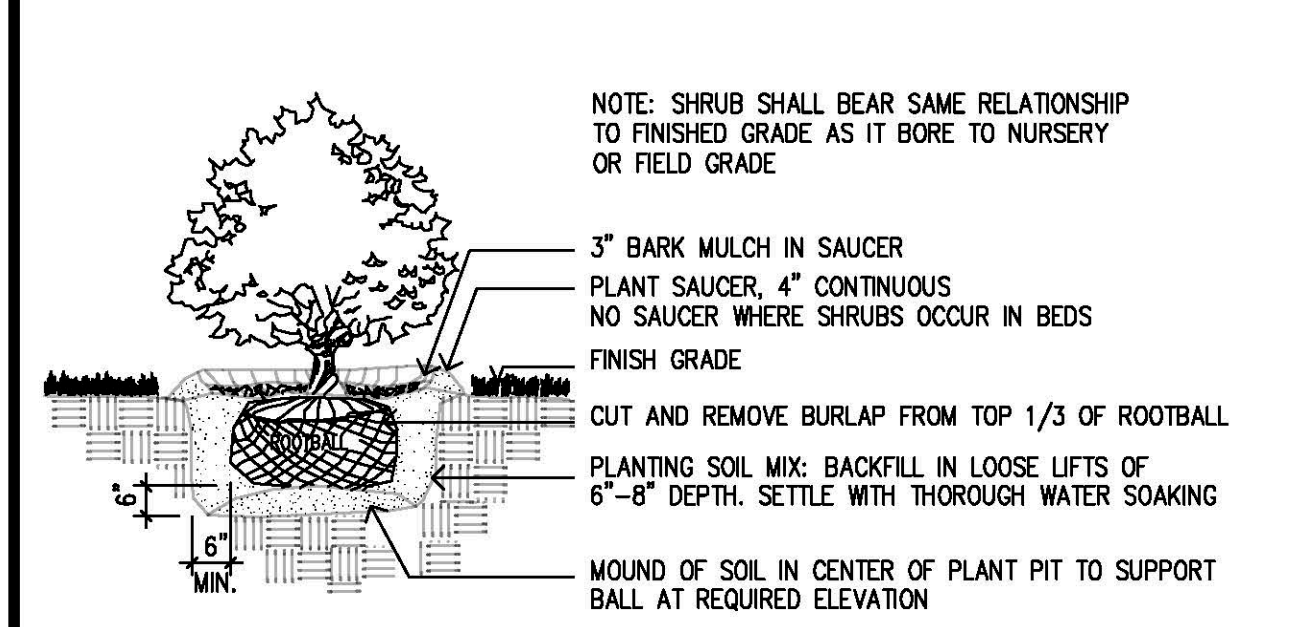


TREE PROTECTION- EXISTING TREE
NOT TO SCALE



DECIDUOUS TREE PLANTING AND STAKING

SCALE: N.T.S.



TYPICAL SHRUB PLANTING

SCALE: N.T.S.

BUFFER ZONE RESTORATION AND ENHANCEMENT AREA PLANTING TABLE

Plant Name	Plant Height	Plant Quantity (1)	Wetland Indicator Status	Planting Notes
Red maple (<i>Acer rubrum</i>)	6-8'	22	FAC	Red maples flower early in the spring. The leaves and shoots are browsed by deer. Rodents feed on the fruits. Adds important leaf litter.
Red oak (<i>Quercus rubra</i>)	6-8'	22	FACU	Red oak provides good cover for mammal and bird species and nesting sites for songbirds. Deer browse the leaves, and acorns are eaten by a variety of mammals. Adds important leaf litter.
Black huckleberry (<i>Gaylussacia baccata</i>)	3-4'	16	FACU	Berries provide a food source for wildlife.
Sweet pepperbush (<i>Clethra alnifolia</i>)	3-4'	16	FAC	A medium-sized salt tolerant shrub found in coastal and inland wetlands. Sweet-smelling white flowers in July. Provides food and cover for birds.
TOTAL		76		
New England Conservation/Wildlife Mix	1 lb/ 1,750 s.f.	~5.5 lbs	Varied	The New England Conservation/Wildlife Mix™ (or equivalent) contains a variety of grasses, wildflowers, and legumes. This seed mix enhances wildlife habitat value.

(1) Assumes an average plant spacing of roughly 12-feet on center, accounting for existing plants in the buffer zone enhancement area.

Date	Description	No.

GABRIEL R. CROCKER
PROFESSIONAL ENGINEER, MA REGISTRATION #47917

Crocker Design Group
2 SHARP STREET, UNIT B
HINGHAM, MA 02043
P: 781-919-0808

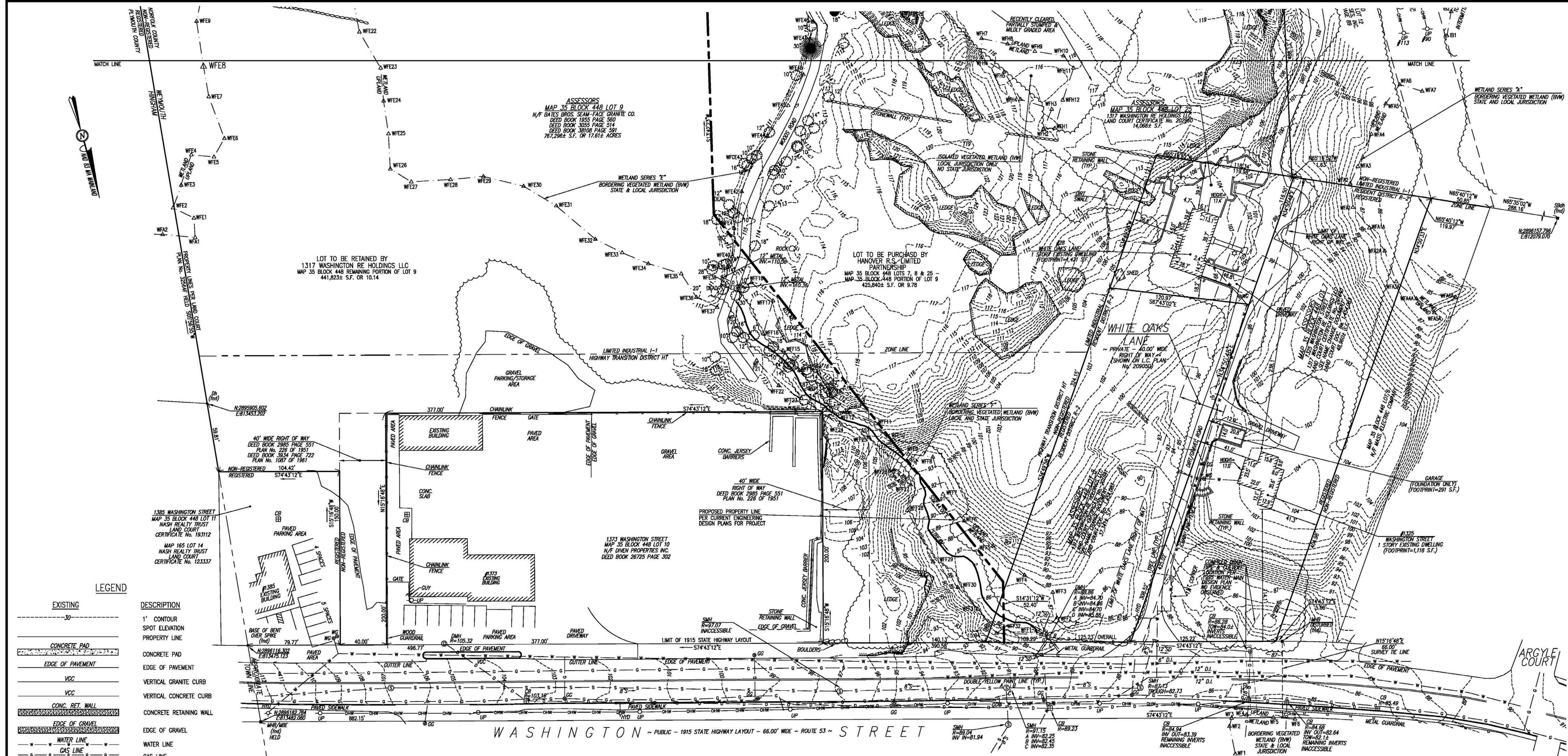
Project
HANOVER WEYMOUTH RESIDENTIAL DEVELOPMENT
#1325 WASHINGTON STREET, WEYMOUTH, MA

Prepared for
HANOVER R.S. LIMITED PARTNERSHIP
ONE MARINE PARK DRIVE, SUITE 701, BOSTON, MA 02216
HANOVER COMPANY

Drawing Title
BUFFER ZONE RESTORATION AND ENHANCEMENT DETAILS

Project No.	100-424
Date	4.8.2021
Scale	AS NOTED
Drawn By	AS
Approved By	GC

W-2



ASSESSORS
 MAP 35 BLOCK 448 LOT 9
 N/F BATES BROS. SEAM-FACE GRANITE CO.
 DEED BOOK 1935 PAGE 580
 DEED BOOK 3514 PAGE 514
 DEED BOOK 32108 PAGE 591
 767,296± S.F. OR 17.61± ACRES

LOT TO BE RETAINED BY
 1317 WASHINGTON RE HOLDINGS LLC
 MAP 35 BLOCK 448 REMAINING PORTION OF LOT 9
 441,823± S.F. OR 10.14

LOT TO BE PURCHASED BY
 HANOVER R.S. LIMITED
 PARTNERSHIP
 MAP 35 BLOCK 448 LOTS 7, 8 & 25 -
 MAP 35 BLOCK 448 PORTION OF LOT 9
 425,840± S.F. OR 9.78

LEGEND

- | | |
|-----|---------------------------|
| --- | EXISTING |
| --- | 1' CONTOUR |
| ○ | SPOT ELEVATION |
| --- | PROPERTY LINE |
| ▨ | CONCRETE PAD |
| --- | EDGE OF PAVEMENT |
| --- | VCC |
| --- | VCC |
| --- | CONC. RET. WALL |
| --- | EDGE OF GRAVEL |
| --- | WATER LINE |
| --- | GAS LINE |
| --- | UNDERGROUND ELECTRIC LINE |
| --- | OVERHEAD WIRE |
| --- | TELECOM |
| --- | SEWER LINE |
| --- | DRAIN LINE |
| --- | EXIST. FENCE |
| --- | EXIST. GUARD RAIL |
| ○ | HYD |
| ○ | WG |
| ○ | GG |
| ○ | EM |
| ○ | UP |
| ○ | SMH |
| ○ | MH |
| ○ | TMH |
| ○ | EMH |
| ○ | DMH |
| ○ | CB |
| ○ | DECIDUOUS TREE |
| ○ | CONFEROUS TREE |
| ○ | DRILLHOLE |
| ○ | FOUND |
| ○ | MASS. HIGHWAY BOUND |
| ○ | IRON ROD |
| ○ | STONE BOUND |
| ○ | INVERT ELEVATION |
| ○ | TOP OF WATER |

DESCRIPTION

40' WIDE RIGHT OF WAY
 DEED BOOK 2985 PAGE 551
 PLAN No. 226 OF 1951
 DEED BOOK 3514 PAGE 722
 PLAN No. 1087 OF 1961

NON-REGISTERED
 REGISTERED

1325 WASHINGTON STREET
 MAP 35 BLOCK 448 LOT 11
 MASH REALTY TRUST
 LAND COURT CERTIFICATE No. 193112

MAP 165 LOT 14
 MASH REALTY TRUST
 LAND COURT CERTIFICATE No. 123337

1373 WASHINGTON STREET
 MAP 35 BLOCK 448 LOT 10
 N/F OPEN PROPERTIES INC.
 DEED BOOK 28725 PAGE 302

1317 WASHINGTON STREET
 MAP 35 BLOCK 448 LOT 9
 1317 WASHINGTON RE HOLDINGS LLC
 DEED BOOK 38108 PAGE 591
 LOT AREA = 767,296± S.F.

MAP 35 BLOCK 448 LOT 25
 28 WHITE OAKS LANE
 1317 WASHINGTON RE HOLDINGS LLC
 LAND COURT CERTIFICATE No. 202960
 LOT AREA = 14,066± S.F.

BUYING AND SELLING ENTITIES:
 SELLER: 1317 WASHINGTON RE HOLDINGS LLC
 BUYER: HANOVER R.S. LIMITED PARTNERSHIP

RECORD OWNERS:

MAP 35 BLOCK 448 LOT 7
 1325 WASHINGTON STREET
 1317 WASHINGTON RE HOLDINGS LLC
 LAND COURT CERTIFICATE No. 201840
 SEE NAME CHANGE DOCUMENT -
 LAND COURT DOC. No. 1,454,083
 LOT AREA = 48,960± S.F.

MAP 35 BLOCK 448 LOT 8
 1317 WASHINGTON RE HOLDINGS LLC
 LAND COURT CERTIFICATE No. 201841
 SEE NAME CHANGE DOCUMENT -
 LAND COURT DOC. No. 1,454,083
 LOT AREA = 37,341± S.F.

MAP 35 BLOCK 448 LOT 9
 1317 WASHINGTON RE HOLDINGS LLC
 DEED BOOK 38108 PAGE 591
 LOT AREA = 767,296± S.F.

MAP 35 BLOCK 448 LOT 25
 28 WHITE OAKS LANE
 1317 WASHINGTON RE HOLDINGS LLC
 LAND COURT CERTIFICATE No. 202960
 LOT AREA = 14,066± S.F.

PLAN REFERENCES:

- STATE HIGHWAY LAYOUT No. 1640 & 1846
- PLAN No. 467 OF 1949 PLAN BOOK 2827 PAGE 455
- PLAN No. 226 OF 1951 PLAN BOOK 2985 PAGE 551
- PLAN No. 1087 OF 1961 PLAN BOOK 3934 PAGE 722
- PLAN No. 420 OF 1966 PLAN BOOK 220
- PLAN No. 376 OF 1968 PLAN BOOK 224
- PLAN No. 333 OF 1970 PLAN BOOK 4704 PAGE 86
- LAND COURT CASE No. 14364
- LAND COURT CASE No. 20228
- LAND COURT CASE No. 20905
- LAND COURT CASE No. 31196
- LAND COURT CASE No. 32564

FLOOD NOTE:
 BY GRAPHIC PLOTTING ONLY, THIS PROPERTY IS LOCATED IN ZONE "X" OF THE FLOOD INSURANCE RATE MAP, AS SHOWN ON COMMUNITY PANEL No. 25021C0233E, WHICH BEAR AN EFFECTIVE DATE OF JULY 17, 2012, AND IS NOT IN A SPECIAL FLOOD HAZARD AREA.

NOTES:

- PROPERTY LINE, STREET LINE AND OWNER INFORMATION WAS COMPILED FROM RECORDS ON FILE AT THE PLYMOUTH COUNTY REGISTRY OF DEEDS AND WEYMOUTH TOWN HALL.
- TOPOGRAPHIC AND DETAIL INFORMATION SHOWN ON THIS PLAN IS BASED UPON AN ACTUAL ON THE GROUND SURVEY PERFORMED BY CROCKER DESIGN GROUP LLC DURING DECEMBER OF 2020 AND JANUARY OF 2021.
- THE SUBJECT PROPERTY ABUTS AND HAS ACCESS TO WASHINGTON STREET - ROUTE 53, A PUBLIC ROADWAY AND MASSACHUSETTS STATE HIGHWAY FALLING UNDER MA DOT JURISDICTION. THE SITE ALSO HAS ACCESS TO WHITE OAKS LANE, A PRIVATE ROADWAY IN THE TOWN OF WEYMOUTH.
- ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE TOWN OF WEYMOUTH VERTICAL DATUM.
- COORDINATE POSITIONS SHOWN HEREON REFERENCED TO THE NORTH AMERICAN HORIZONTAL DATUM OF 1983 MASSACHUSETTS MAINLAND (NAD83).

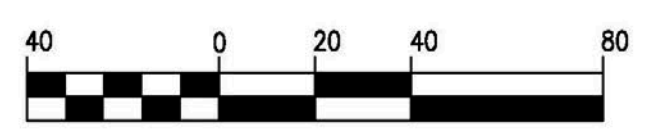
6. SUBJECT PROPERTY FALLS WITH PORTIONS OF THE RESIDENCE DISTRICT R-2, LIMITED INDUSTRIAL I-1, HIGHWAY TRANSITION DISTRICT HT. THE SUBJECT PROPERTY FALLS ENTIRELY WITHIN THE COMMERCIAL CORRIDOR OVERLAY DISTRICT (CCOD).

7. ZONING SETBACKS ARE NOT SHOWN HEREON AS THEY MAY DIFFER DEPENDING ON THE PROPOSED USE OF THE PROPERTY.

8. UTILITY INFORMATION FROM ABOVE GROUND OBSERVED EVIDENCE IN CONJUNCTION WITH DIG SAFE MARKINGS AND RECORD PLANS. THE LAND SURVEYOR MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN HEREON COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE LAND SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM AVAILABLE INFORMATION AND CONSTRUCTION AS THE LAND SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES. BEFORE CONSTRUCTION CALL DIG SAFE SYSTEMS, INC. AT 1-888-344-7233.

ENVIRONMENTAL NOTES:

- SITE IS NOT WITHIN AN A.C.E.C. (AREA OF CRITICAL ENVIRONMENTAL CONCERN).
- SITE IS NOT WITHIN AN AREA OF ESTIMATED HABITAT OF RARE WILDLIFE PER NHESP MAP AUGUST 1, 2017 "ESTIMATED HABITATS OF RARE WILDLIFE" FOR USE WITH THE MA WETLANDS PROTECTION ACT REGULATIONS (310 CMR 10).
- SITE DOES NOT CONTAIN A CERTIFIED VERNAL POOL PER NHESP MAP AUGUST 1, 2017 "CERTIFIED VERNAL POOLS."
- SITE IS NOT WITHIN A PRIORITY HABITAT PER NHESP MAP AUGUST 1, 2017 "PRIORITY HABITATS OF RARE SPECIES" FOR SPECIES UNDER THE MASSACHUSETTS ENDANGERED SPECIES ACT, REGULATIONS (321 CMR10).
- SITE IS NOT LOCATED WITHIN A STATE APPROVED ZONE II GROUND WATER RECHARGE PROTECTION AREA.
- WETLAND RESOURCE AREAS SHOWN HEREON DELINEATED BY SOUTHWATER ENVIRONMENTAL ON JANUARY 7, 2020 AND MARCH 27, 2020. SEE WETLAND LOCATION PLAN INCLUDED IN APPROVED ORDER OF RESOURCES AREA DELINEATION (ORD) WITH AN ISSUANCE DATE FOR THIS PROJECT OF JULY 28, 2020.



Date	Description	No.

SHANE M. BRENNER
 PROFESSIONAL LAND SURVEYOR, MA REGISTRATION #45917

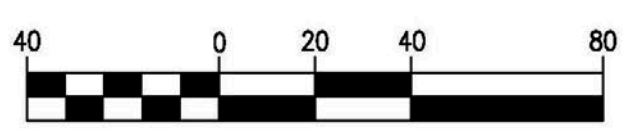
Crocker Design Group
 2 SHARP STREET, UNIT B
 HINGHAM, MA 02043
 P: 781-919-0808

Project
HANOVER WEYMOUTH RESIDENTIAL DEVELOPMENT
 #1325 WASHINGTON STREET, WEYMOUTH, MA


Prepared for
HANOVER R.S. LIMITED PARTNERSHIP
 ONE MARINE PARK DRIVE, SUITE 701
 BOSTON, MA 02210
HANOVER COMPANY

Drawing Title
EXISTING CONDITIONS PLAN

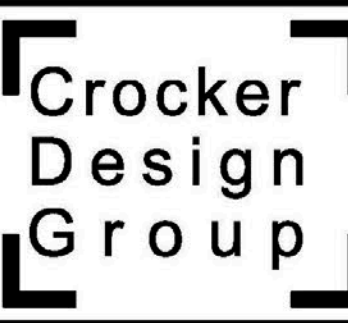
Project No.	100-124	Drawing No.	EX1
Date	3.28.2021	Scale	1"=40'
Drawn By	SMB	Approved By	SMB



Date	Description	No.



 SHANE M. BRENNER
 PROFESSIONAL LAND SURVEYOR, MA REGISTRATION #45917



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EX2