

Site Development Plan

Salt Pond Apartments at Edgewater Hill

Prepared For

Edgewater Hill Enterprises, LLC

000 East High Street (CT Route 66)

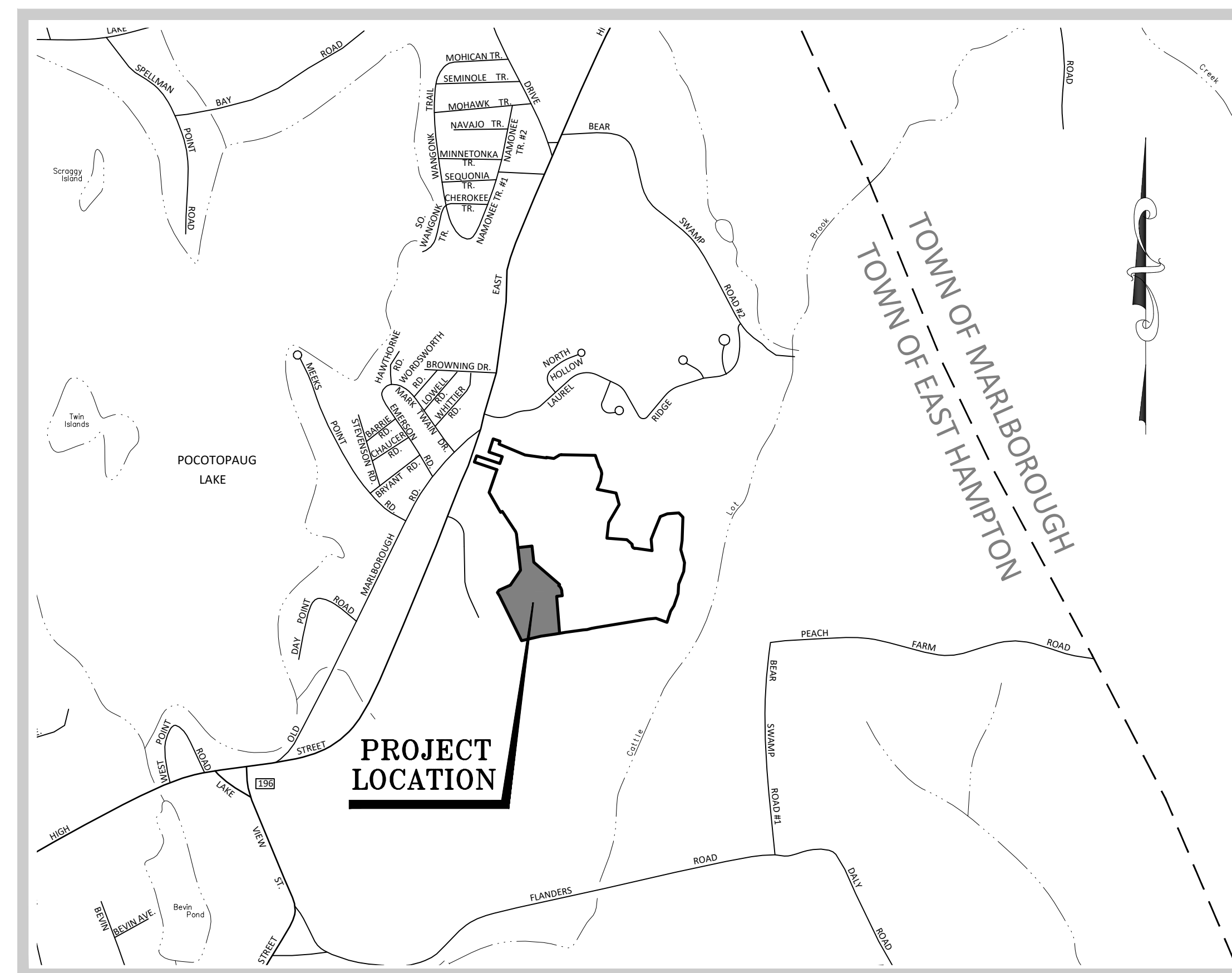
East Hampton, Connecticut

December 2020

Rev. A - IWWC Comments & Stormwater Quality - 1/18/21

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Site Location Map
Scale: 1" = 1,000'

"APPROVED BY THE TOWN OF EAST HAMPTON PLANNING AND ZONING COMMISSION"

SIGNATURE OF CHAIRMAN OR SECRETARY _____ DATE _____

"APPROVED BY THE TOWN OF EAST HAMPTON INLAND WETLANDS AND WATERCOURSES COMMISSION"

SIGNATURE OF CHAIRMAN OR SECRETARY _____ DATE _____

Applicants/Property Owners:

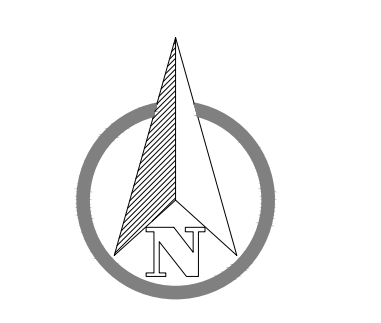
Edgewater Hill Enterprises, LLC
138 East High Street
East Hampton, CT 06424

Property Info:

000 East High Street
Assessor's ID: 10A/85/5C
Area: 59.41± Acres

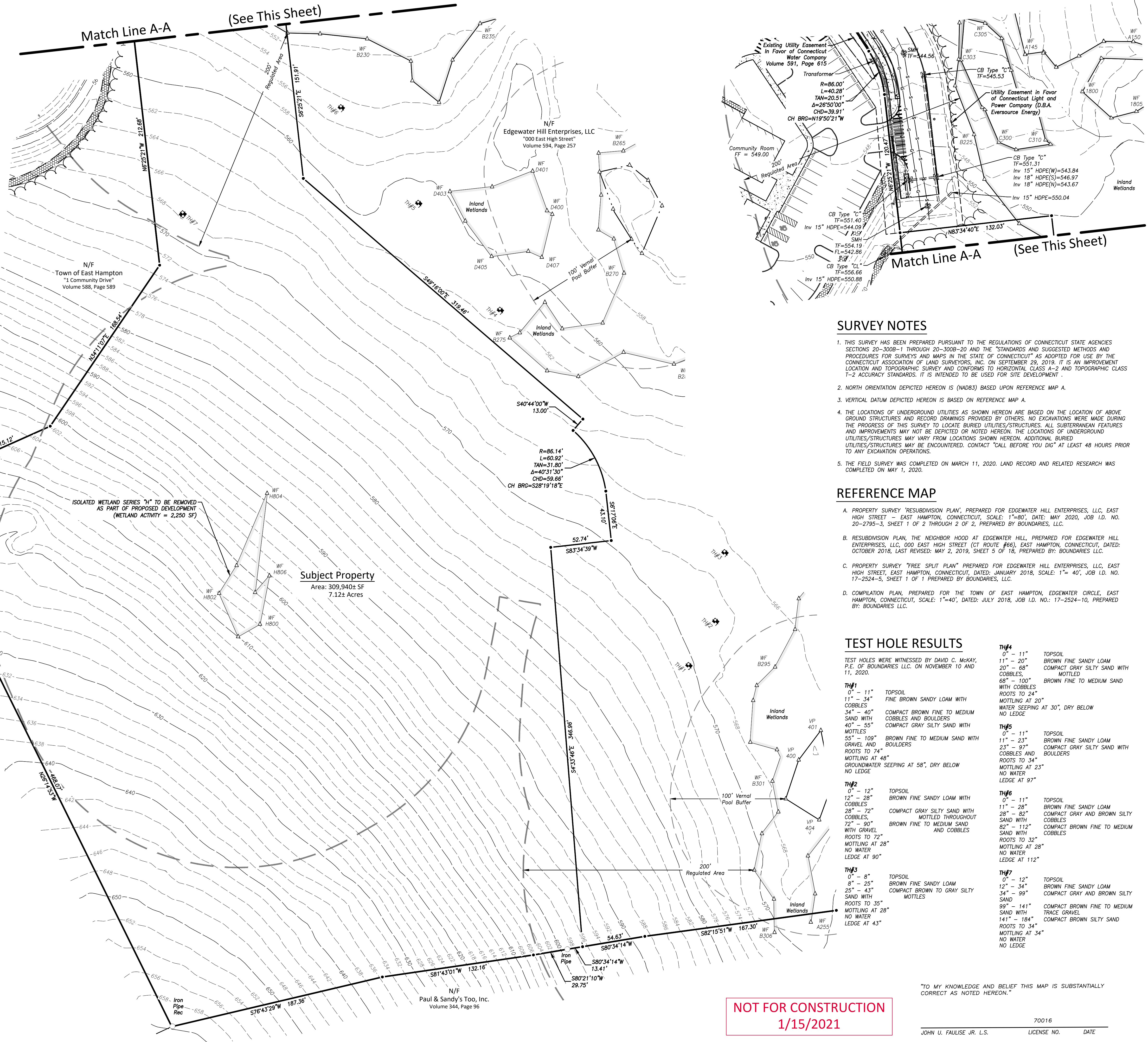
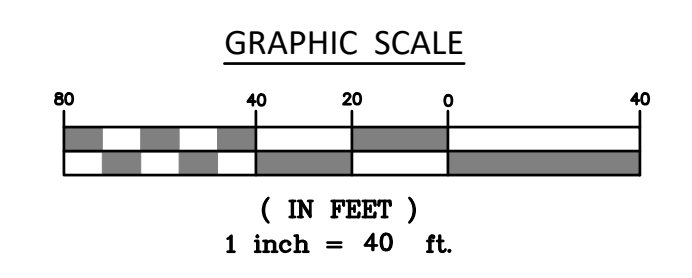
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"TO MY KNOWLEDGE AND BELIEF THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON."



LEGEND & ABBREVIATIONS

±	MORE OR LESS	x 530.0	EXISTING SPOT ELEVATION
TYP	TYPICAL	x 530.2	PROPOSED SPOT ELEVATION
PVC	POLYVINYL CHLORIDE	—	BUILDING SETBACK LINE
RCP	REINFORCED CONCRETE PIPE	—	EXISTING CONTOUR
HDPE	HIGH DENSITY POLYETHYLENE PIPE	—	PROPOSED CONTOUR
SF	SQUARE FEET	—	TREE LINE
FF	FINISH FLOOR	—	UNDERGROUND ELECTRIC
SMH	SANITARY MANHOLE	—	OVERHEAD WIRES
CB	CATCH BASIN	—	SANITARY SEWER
YD	YARD DRAIN	—	WATER
TF	TOP OF FRAME	•	ANGLE POINT
INV	INVERT	•	IRON PIN
GV	GAS VALVE	□	MONUMENT
WV	WATER VALVE	○	UTILITY POLE
HHE	HANDHOLE ELECTRIC	—	GUY WIRE
W/	WITH	—	CATCH BASIN
WF #1	WETLAND FLAG	—	YARD DRAIN
CHD	CONNECTICUT HIGHWAY DEPARTMENT	—	SANITARY MANHOLE
MON	MONUMENT	—	STORM DRAINAGE MANHOLE
REC	RECOVERED	—	WATER OR GAS VALVE
CL&P	CONNECTICUT LIGHT AND POWER	—	SIGN
N/F	NOW OR FORMERLY	—	WETLAND FLAG



SURVEY NOTES

1. THIS SURVEY HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300B-1 THROUGH 20-300B-20 AND THE "STANDARDS AND SUGGESTED METHODS AND PROCEDURES FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED FOR USE BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 29, 2019. IT IS AN IMPROVEMENT LOCATION AND TOPOGRAPHIC SURVEY AND CONFORMS TO HORIZONTAL CLASS A-2 AND TOPOGRAPHIC CLASS T-2 ACCURACY STANDARDS. IT IS INTENDED TO BE USED FOR SITE DEVELOPMENT.
2. NORTH ORIENTATION DEPICTED HEREON IS (NAD83) BASED UPON REFERENCE MAP A.
3. VERTICAL DATUM DEPICTED HEREON IS BASED ON REFERENCE MAP A.
4. THE LOCATIONS OF UNDERGROUND UTILITIES AS SHOWN HEREON ARE BASED ON THE LOCATION OF ABOVE GROUND STRUCTURES AND RECORD DRAWINGS PROVIDED BY OTHERS. NO EXCAVATIONS WERE MADE DURING THE PROGRESS OF THIS SURVEY TO LOCATE BURIED UTILITIES/STRUCTURES. ALL SUBTERRANEAN FEATURES AND IMPROVEMENTS MAY NOT BE DEPICTED OR NOTED HEREON. THE LOCATIONS OF UNDERGROUND UTILITIES/STRUCTURES MAY VARY FROM LOCATIONS SHOWN HEREON. ADDITIONAL BURIED UTILITIES/STRUCTURES MAY BE ENCOUNTERED. CONTACT "CALL BEFORE YOU DIG" AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION OPERATIONS.
5. THE FIELD SURVEY WAS COMPLETED ON MARCH 11, 2020. LAND RECORD AND RELATED RESEARCH WAS COMPLETED ON MAY 1, 2020.

REFERENCE MAP

- A. PROPERTY SURVEY "RESUBDIVISION PLAN", PREPARED FOR EDGEWATER HILL ENTERPRISES, LLC, EAST HIGH STREET - EAST HAMPTON, CONNECTICUT, SCALE: 1"=80', DATE: MAY 2020, JOB I.D. NO. 20-2795-3, SHEET 1 OF 2 THROUGH 2 OF 2, PREPARED BY BOUNDARIES, LLC.
- B. RESUBDIVISION PLAN, THE NEIGHBOR HOOD AT EDGEWATER HILL, PREPARED FOR EDGEWATER HILL ENTERPRISES, LLC, 000 EAST HIGH STREET (CT ROUTE #66), EAST HAMPTON, CONNECTICUT, DATED: OCTOBER 2018, LAST REVISED: MAY 2, 2019, SHEET 5 OF 18, PREPARED BY BOUNDARIES, LLC.
- C. PROPERTY SURVEY "TREE SPLIT PLAN" PREPARED FOR EDGEWATER HILL ENTERPRISES, LLC, EAST HIGH STREET, EAST HAMPTON, CONNECTICUT, DATED: JANUARY 2018, SCALE: 1"= 40', JOB I.D. NO. 17-2524-5, SHEET 1 OF 1 PREPARED BY BOUNDARIES, LLC.
- D. COMPILATION PLAN, PREPARED FOR THE TOWN OF EAST HAMPTON, EDGEWATER CIRCLE, EAST HAMPTON, CONNECTICUT, SCALE: 1"=40', DATED: JULY 2018, JOB I.D. NO.: 17-2524-10, PREPARED BY: BOUNDARIES, LLC.

TEST HOLE RESULTS

TEST HOLES WERE WITNESSED BY DAVID C. MCKAY, P.E. OF BOUNDARIES LLC. ON NOVEMBER 10 AND 11, 2020.

TH#1 0" - 11" TOPSOIL 11" - 34" FINE BROWN SANDY LOAM WITH COBBLES 34" - 40" COMPACT BROWN FINE TO MEDIUM SAND WITH COBBLES AND BOULDERS 40" - 55" COMPACT GRAY SILTY SAND WITH MOTTLES 55" - 109" BROWN FINE TO MEDIUM SAND WITH GRAVEL AND BOULDERS ROOTS TO 74" MOTTILING AT 48" GROUNDWATER SEEPING AT 58", DRY BELOW NO WATER LEDGE AT 97"	TH#2 0" - 12" TOPSOIL 12" - 28" BROWN FINE SANDY LOAM WITH COBBLES 28" - 72" COMPACT GRAY SILTY SAND WITH COBBLES, MOTTLED THROUGHOUT 72" - 90" BROWN FINE TO MEDIUM SAND WITH GRAVEL AND COBBLES ROOTS TO 72" MOTTILING AT 28" NO WATER LEDGE AT 90"	TH#3 0" - 8" TOPSOIL 8" - 25" BROWN FINE SANDY LOAM 25" - 43" COMPACT BROWN TO GRAY SILTY SAND WITH MOTTLES ROOTS TO 35" MOTTILING AT 28" NO WATER LEDGE AT 43"	TH#4 0" - 11" TOPSOIL 11" - 20" BROWN FINE SANDY LOAM 20" - 68" COMPACT GRAY SILTY SAND WITH COBBLES, MOTTLED 68" - 100" BROWN FINE TO MEDIUM SAND WITH COBBLES ROOTS TO 24" MOTTILING AT 20" WATER SEEPING AT 30", DRY BELOW NO LEDGE	TH#5 0" - 11" TOPSOIL 11" - 23" BROWN FINE SANDY LOAM 23" - 97" COMPACT GRAY SILTY SAND WITH COBBLES AND BOULDERS ROOTS TO 34" MOTTILING AT 23" NO WATER LEDGE AT 97"	TH#6 0" - 11" TOPSOIL 11" - 28" BROWN FINE SANDY LOAM 28" - 82" COMPACT GRAY AND BROWN SILTY SAND WITH COBBLES 82" - 112" COMPACT BROWN FINE TO MEDIUM SAND WITH COBBLES ROOTS TO 32" MOTTILING AT 28" NO WATER LEDGE AT 112"	TH#7 0" - 12" TOPSOIL 12" - 34" BROWN FINE SANDY LOAM 34" - 99" COMPACT GRAY AND BROWN SILTY SAND 99" - 141" COMPACT BROWN FINE TO MEDIUM SAND WITH TRACE GRAVEL 141" - 184" COMPACT BROWN SILTY SAND ROOTS TO 34" MOTTILING AT 34" NO WATER NO LEDGE
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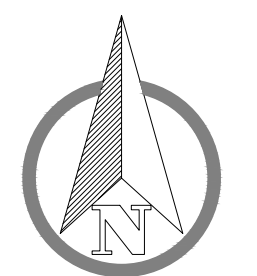
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JOHN U. FAULISE JR. L.S. LICENSE NO. 70016 DATE

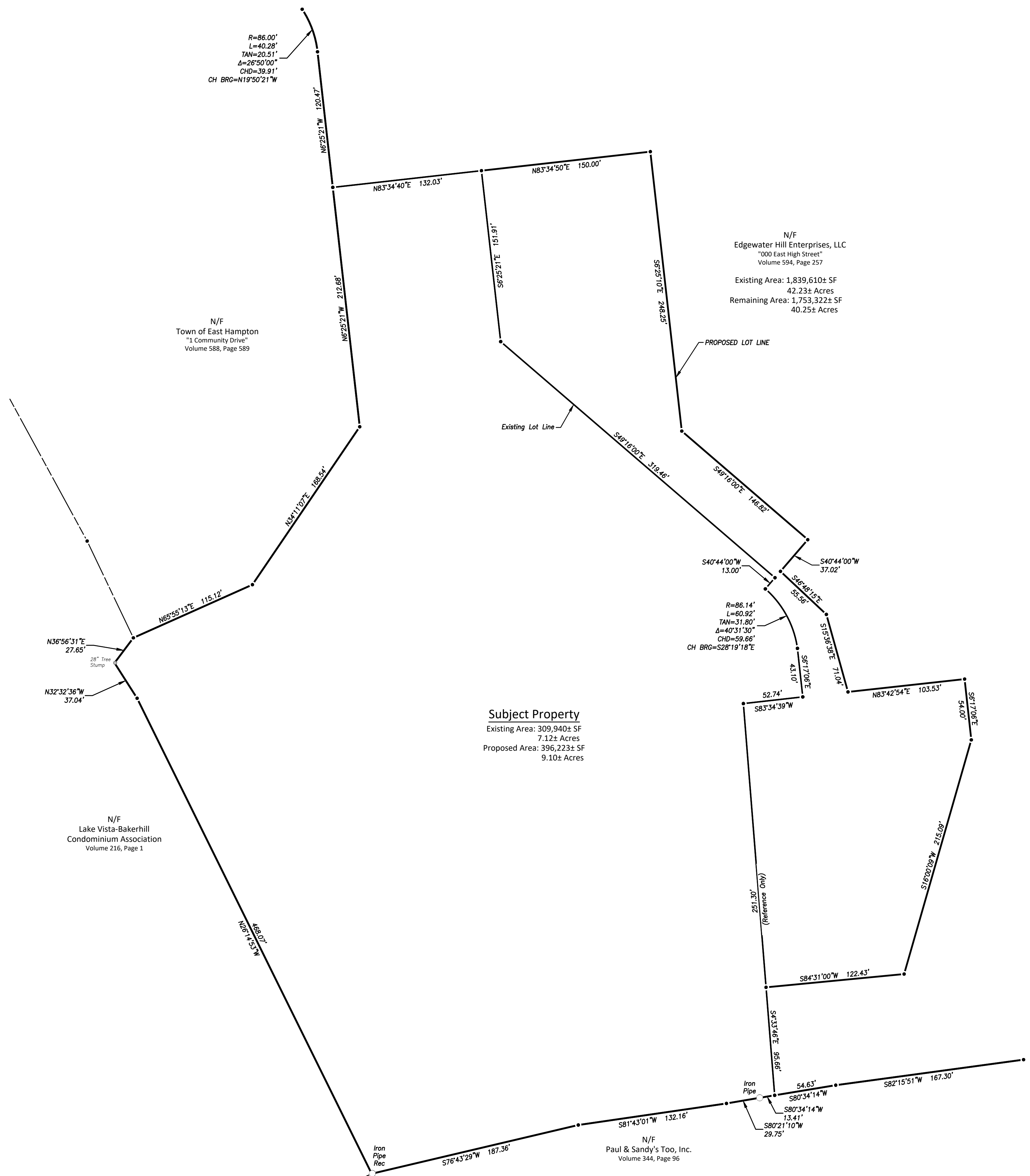
P:\CIVIL 3D PROJECTS\2020\20-2853 EDGEWATER-APARTMENTS\DWG\DESIGN\2 EX CONDITIONS.DWG

Salt Pond Apartments at Edgewater Hill
 "Lot Line Modification Plan"
 Prepared for
 Edgewater Hill Enterprises, LLC
 000 East High Street - East Hampton, Connecticut



SCALE:	1" = 50'
DATE:	December 2020
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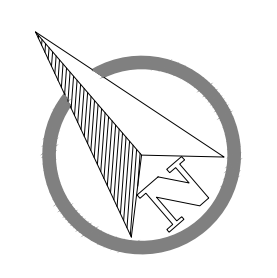
SHEET NO.
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PLAN NOTES
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 JOHN U. FAULISE JR. L.S. 70016 DATE
 LICENSE NO.

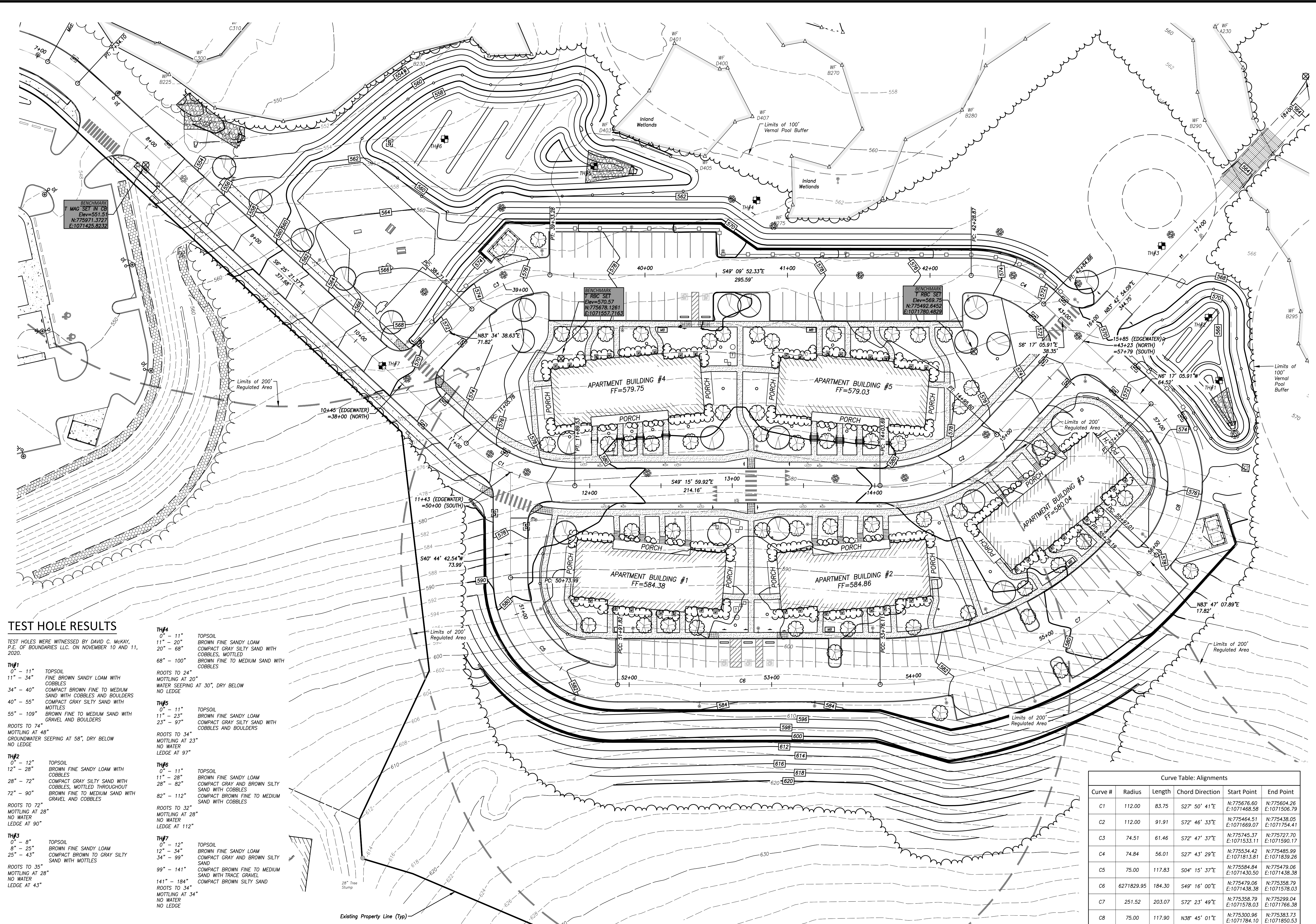


SCALE: 1" = 30'
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 JOB I.D. NO.: 20-2853
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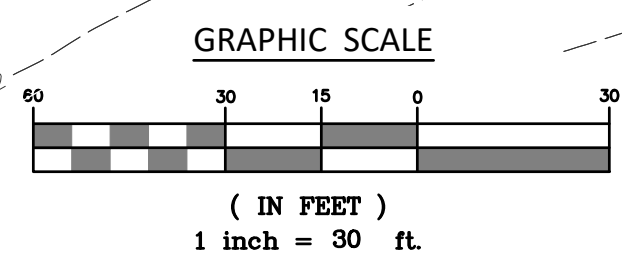
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- TH#1**
 0" - 11" TOPSOIL
 11" - 34" FINE BROWN SANDY LOAM WITH COBBLES
 34" - 40" COMPACT BROWN FINE TO MEDIUM SAND WITH COBBLES AND BOULDERS
 40" - 55" COMPACT GRAY SILTY SAND WITH MOTTLES
 55" - 109" BROWN FINE TO MEDIUM SAND WITH GRAVEL AND BOULDERS
 ROOTS TO 74"
 MOTTLING AT 49"
 GROUNDWATER SEEPING AT 58", DRY BELOW
 NO LEDGE
- TH#2**
 0" - 12" TOPSOIL
 12" - 28" BROWN FINE SANDY LOAM WITH COBBLES
 28" - 72" COMPACT GRAY SILTY SAND WITH COBBLES, MOTTLED THROUGHOUT
 72" - 90" BROWN FINE TO MEDIUM SAND WITH GRAVEL AND COBBLES
 ROOTS TO 72"
 MOTTLING AT 28"
 NO WATER
 LEDGE AT 90"
- TH#3**
 0" - 8" TOPSOIL
 8" - 25" BROWN FINE SANDY LOAM
 25" - 43" COMPACT BROWN TO GRAY SILTY SAND WITH MOTTLES
 ROOTS TO 35"
 MOTTLING AT 28"
 NO WATER
 LEDGE AT 43"
- TH#4**
 0" - 11" TOPSOIL
 11" - 20" BROWN FINE SANDY LOAM
 20" - 68" COMPACT GRAY SILTY SAND WITH COBBLES, MOTTLED
 68" - 100" BROWN FINE TO MEDIUM SAND WITH COBBLES
 ROOTS TO 24"
 MOTTLING AT 20"
 WATER SEEPING AT 30", DRY BELOW
 NO LEDGE
- TH#5**
 0" - 11" TOPSOIL
 11" - 23" BROWN FINE SANDY LOAM
 23" - 97" COMPACT GRAY SILTY SAND WITH COBBLES AND BOULDERS
 ROOTS TO 34"
 MOTTLING AT 23"
 NO WATER
 LEDGE AT 97"
- TH#6**
 0" - 11" TOPSOIL
 11" - 28" BROWN FINE SANDY LOAM
 28" - 82" COMPACT GRAY AND BROWN SILTY SAND WITH COBBLES
 82" - 112" COMPACT BROWN FINE TO MEDIUM SAND WITH COBBLES
 ROOTS TO 32"
 MOTTLING AT 28"
 NO WATER
 LEDGE AT 112"
- TH#7**
 0" - 12" TOPSOIL
 12" - 34" BROWN FINE SANDY LOAM
 34" - 99" COMPACT GRAY AND BROWN SILTY SAND
 99" - 141" COMPACT BROWN FINE TO MEDIUM SAND WITH TRACE GRAVEL
 141" - 184" COMPACT BROWN SILTY SAND
 ROOTS TO 34"
 MOTTLING AT 34"
 NO WATER
 NO LEDGE



Curve Table: Alignments					
Curve #	Radius	Length	Chord Direction	Start Point	End Point
C1	112.00	83.75	S27° 50' 41"E	N:775676.60 E:1071468.58	N:775604.26 E:1071506.79
C2	112.00	91.91	S72° 46' 33"E	N:775464.51 E:1071669.07	N:775438.05 E:1071754.41
C3	74.51	61.46	S72° 47' 37"E	N:775745.37 E:1071533.11	N:775727.70 E:1071590.17
C4	74.84	56.01	S27° 43' 29"E	N:775534.42 E:1071813.81	N:775485.99 E:1071839.26
C5	75.00	117.83	S04° 15' 37"E	N:775584.84 E:1071430.50	N:775479.06 E:1071438.38
C6	6271829.95	184.30	S49° 16' 00"E	N:775479.06 E:1071438.38	N:775358.79 E:1071578.03
C7	251.52	203.07	S72° 23' 49"E	N:775358.79 E:1071578.03	N:775299.04 E:1071766.38
C8	75.00	117.90	N38° 45' 01"E	N:775300.96 E:1071784.10	N:775383.73 E:1071850.53

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 1/18/2021

PLAN NOTES
 1. SEE COVER SHEET FOR ENGINEER AND SURVEYOR SIGNATURES AND SEALS.
 2. SEE SHEET 2 FOR LEGEND & ABBREVIATIONS.

P:\CIVIL 3D PROJECTS\2020\20-2853 EDGEGWATER-APARTMENTS\DWG\DESIGN\3 APARTMENT SITE PLAN.DWG

B © 2020 BOUNDARIES LLC
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ZONING COMPLIANCE

THE SITE PLAN IS SUBSTANTIALLY COMPLIANT WITH THE EDGEWATER HILL MASTER PLAN.

PARKING CALCULATION

REQUIRED PARKING SPACES ARE PROVIDED IN ACCORDANCE WITH SECTION 7.1.B OF THE TOWN OF EAST HAMPTON ZONING REGULATIONS.

MULTI-FAMILY RESIDENTIAL: 1 - 2 PER DWELLING UNIT

PROPOSED MULTI FAMILY RESIDENTIAL UNITS = 40

MINIMUM REQUIRED PARKING:

40 UNITS x 1 SPACE/UNIT = 40 SPACES

MAXIMUM REQUIRED PARKING:

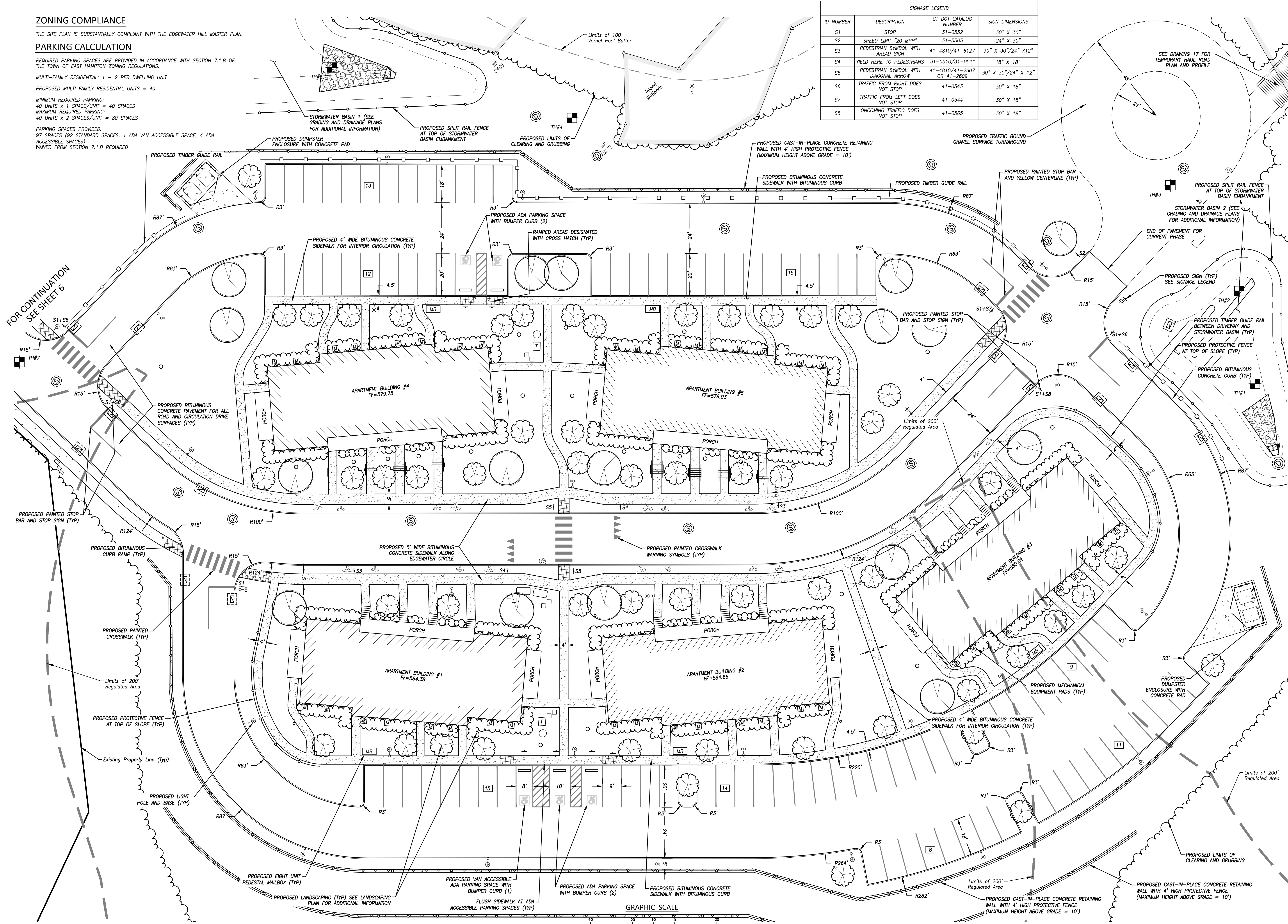
40 UNITS x 2 SPACES/UNIT = 80 SPACES

PARKING SPACES PROVIDED:

97 SPACES (92 STANDARD SPACES, 1 ADA VAN ACCESSIBLE SPACE, 4 ADA ACCESSIBLE SPACES)

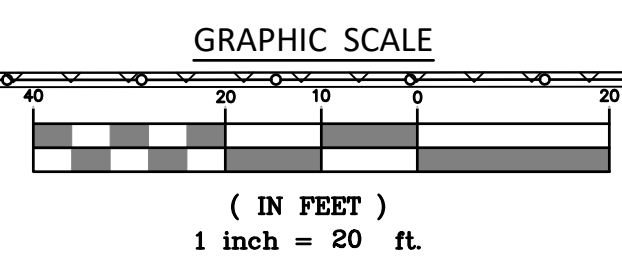
WALKER FROM SECTION 7.1.B REQUIRED

ID NUMBER	DESCRIPTION	CT DOT CATALOG NUMBER	SIGN DIMENSIONS
S1	STOP	31-0552	30" x 30"
S2	SPEED LIMIT "20 MPH"	31-5505	24" x 30"
S3	PEDESTRIAN SYMBOL WITH AHEAD SIGN	41-4810/41-6127	30" x 30"/24" x 12"
S4	YIELD HERE TO PEDESTRIANS	31-0510/31-0511	18" x 18"
S5	PEDESTRIAN SYMBOL WITH DIAGONAL ARROW	41-4810/41-2607 OR 41-2608	30" x 30"/24" x 12"
S6	TRAFFIC FROM RIGHT DOES NOT STOP	41-0543	30" x 18"
S7	TRAFFIC FROM LEFT DOES NOT STOP	41-0544	30" x 18"
S8	ONCOMING TRAFFIC DOES NOT STOP	41-0565	30" x 18"



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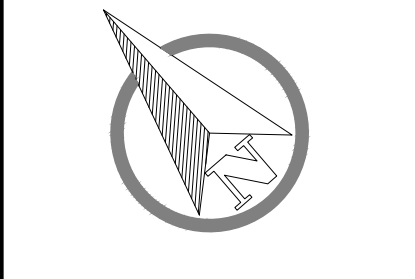


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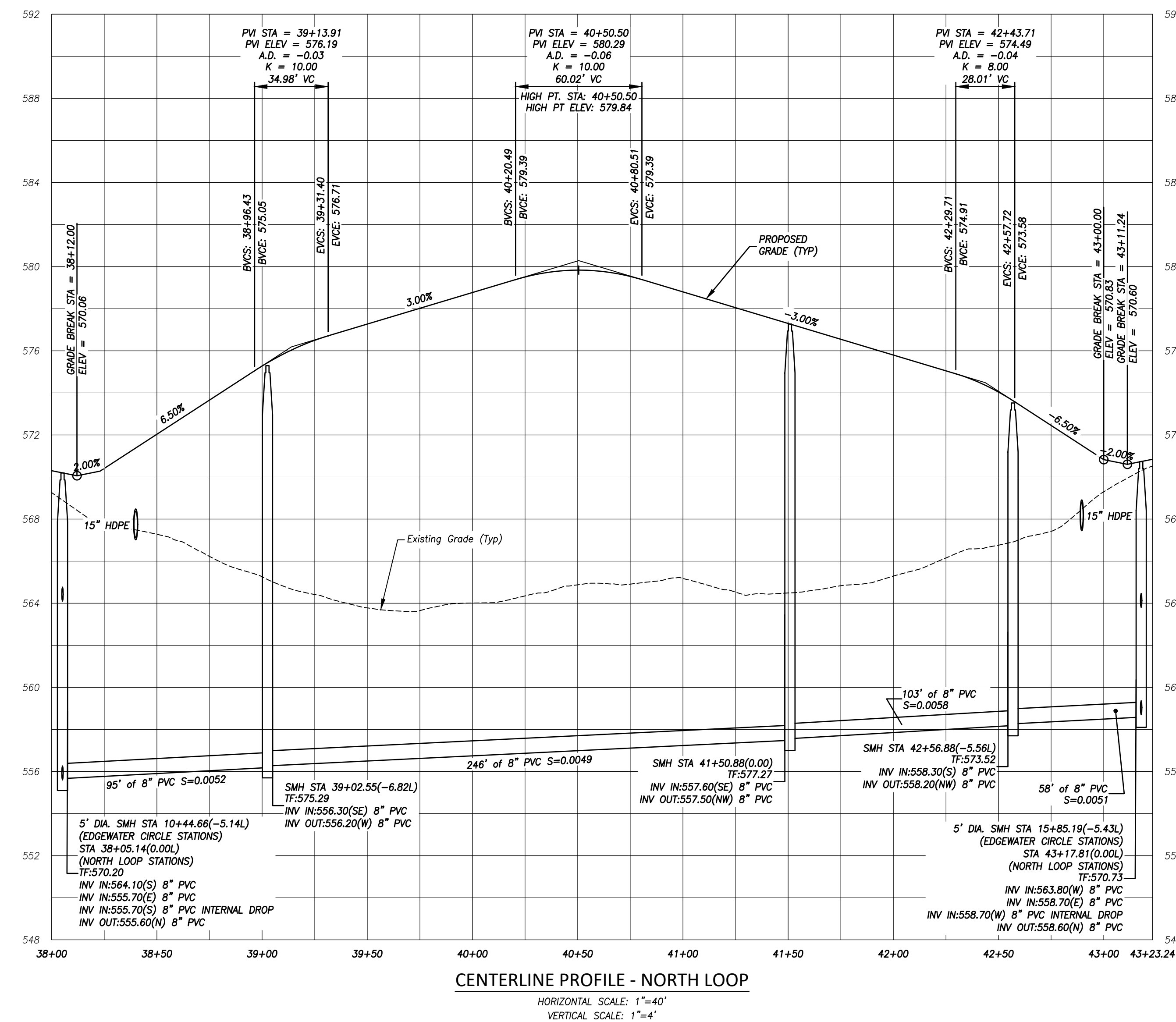
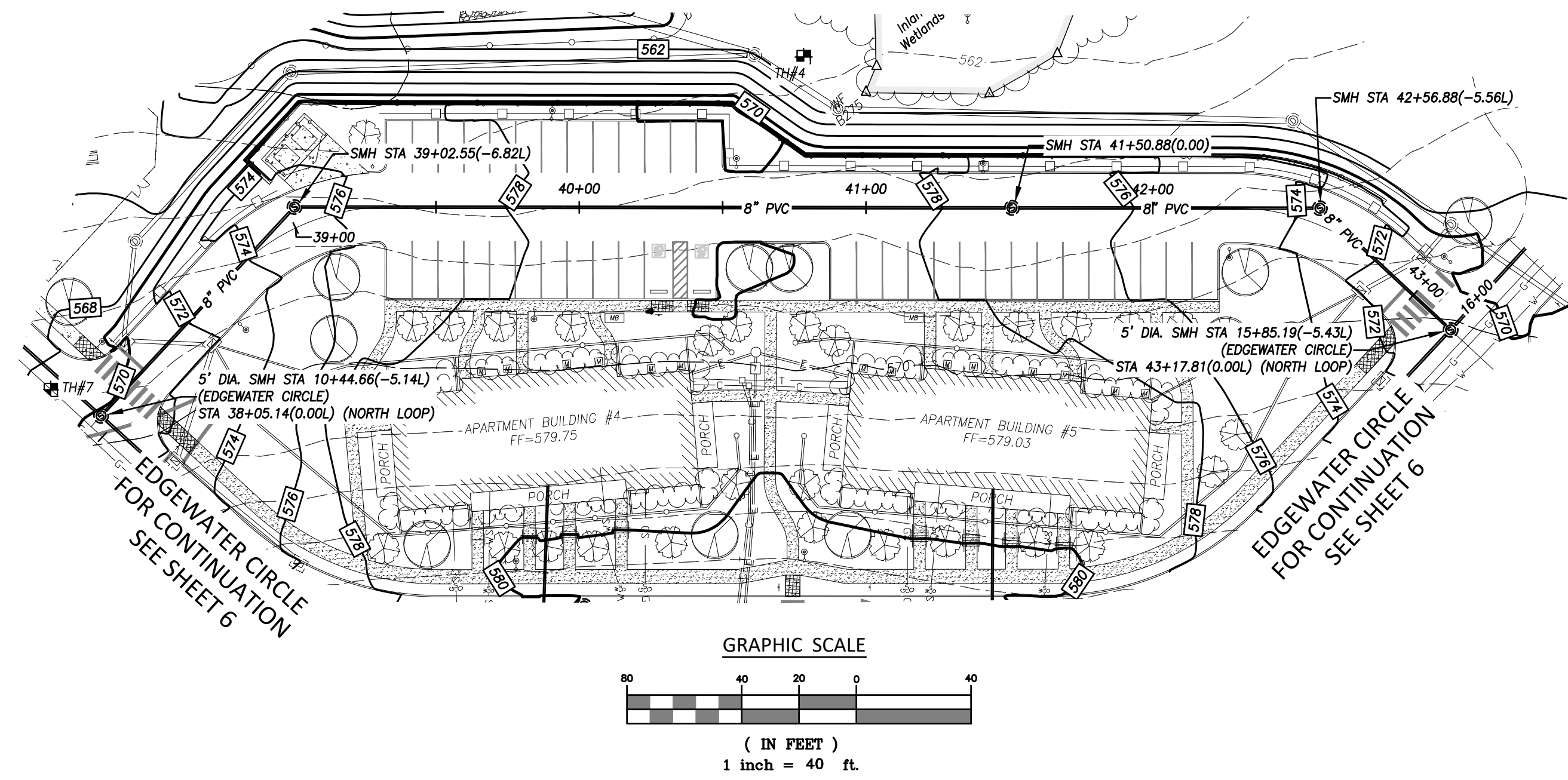
BOUNDARIES
 CIVIL ENGINEERING LAND SURVEYING LAND USE PLANNING CONSULTING
 Boundaries LLC
 179 Pachaug River Drive, Groton, CT 06331
 T 860.376.2000 | www.boundariesllc.net

Salt Pond Apartments at Edgewater Hill
 "Site Layout Plan"
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SCALE: 1" = 20'
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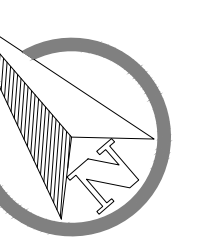


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PLAN NOTES

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Salt Pond Apartments at Edgewater Hill
 "North Loop Plan and Profile"
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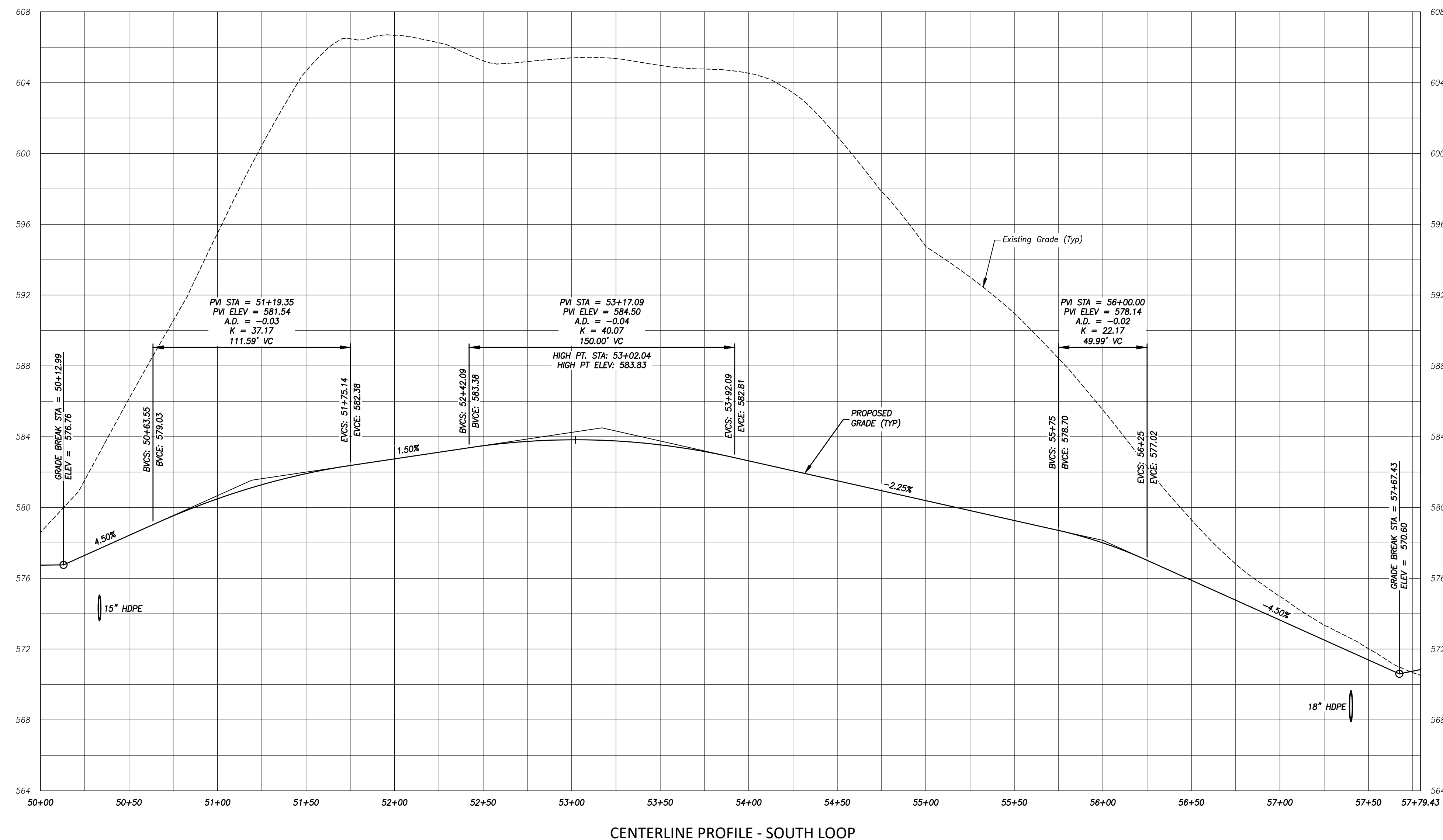
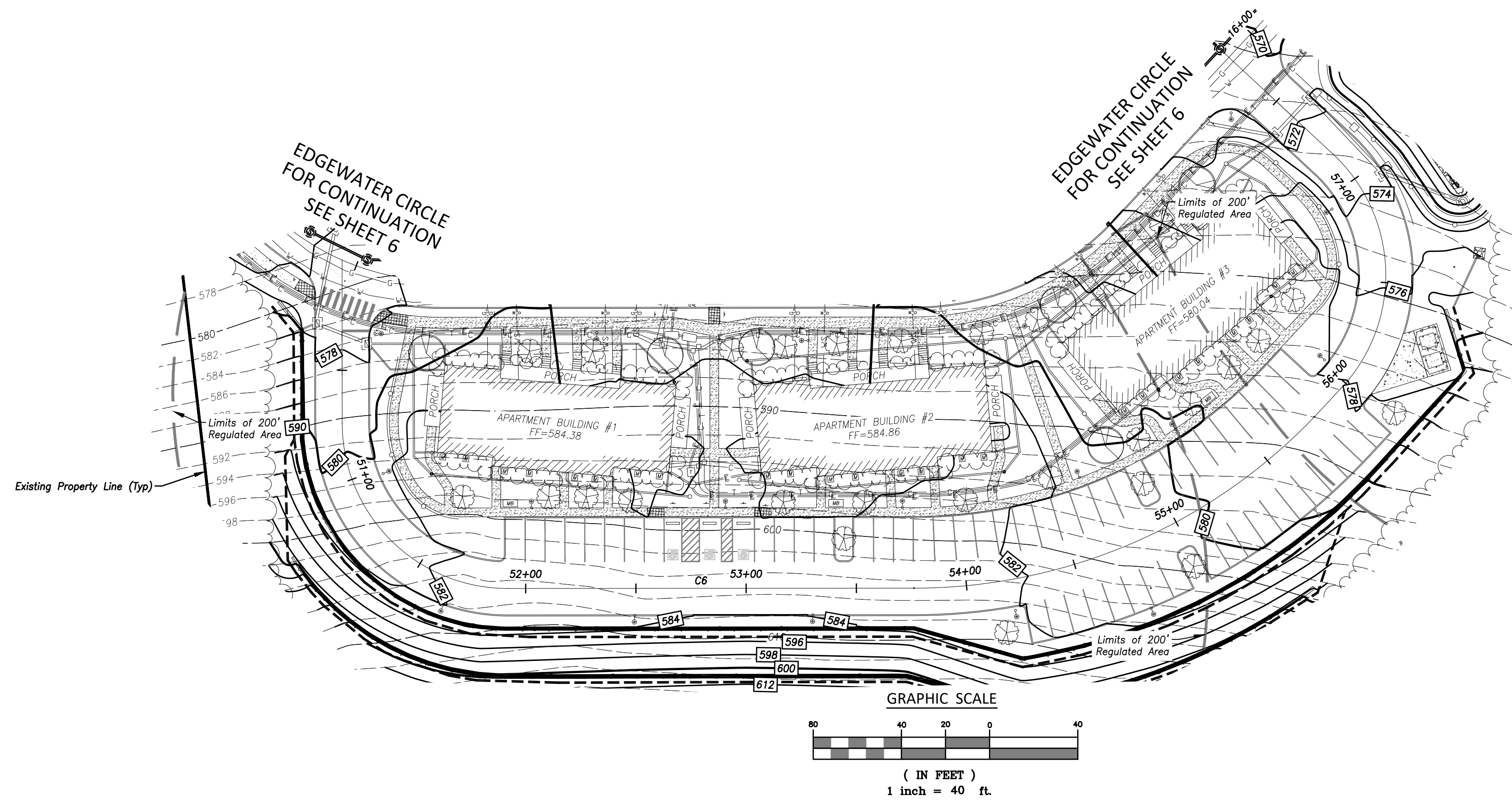
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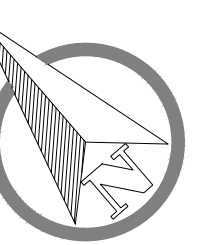
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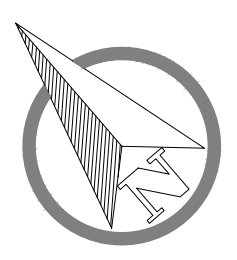
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Salt Pond Apartments at Edgewater Hill
 "Grading Plan"
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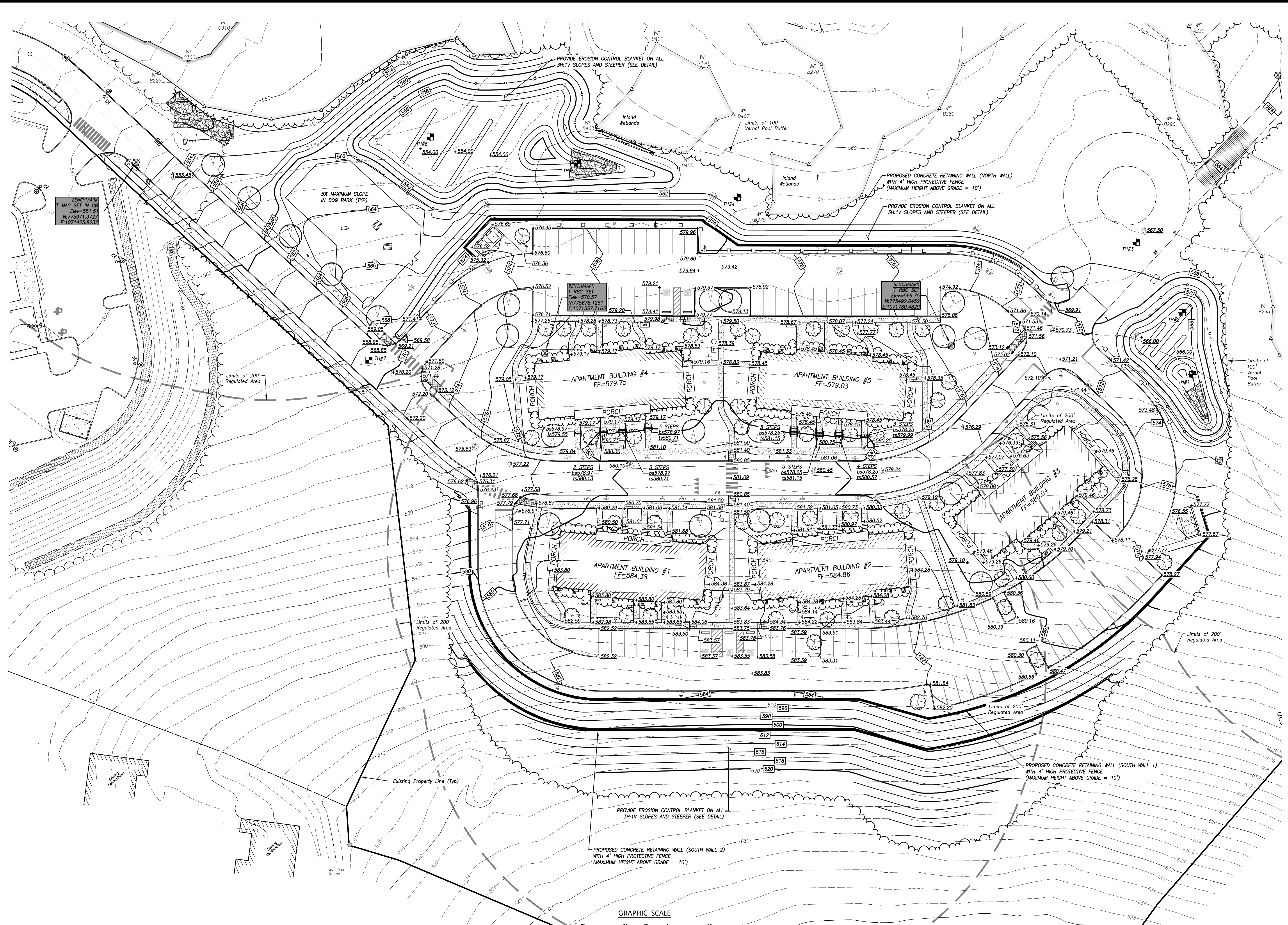


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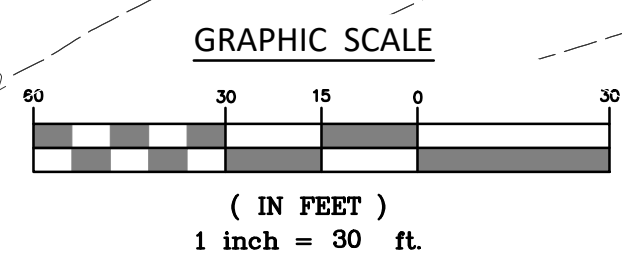
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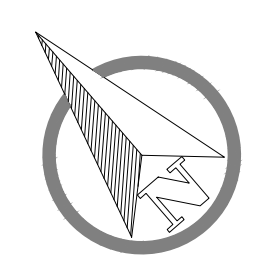
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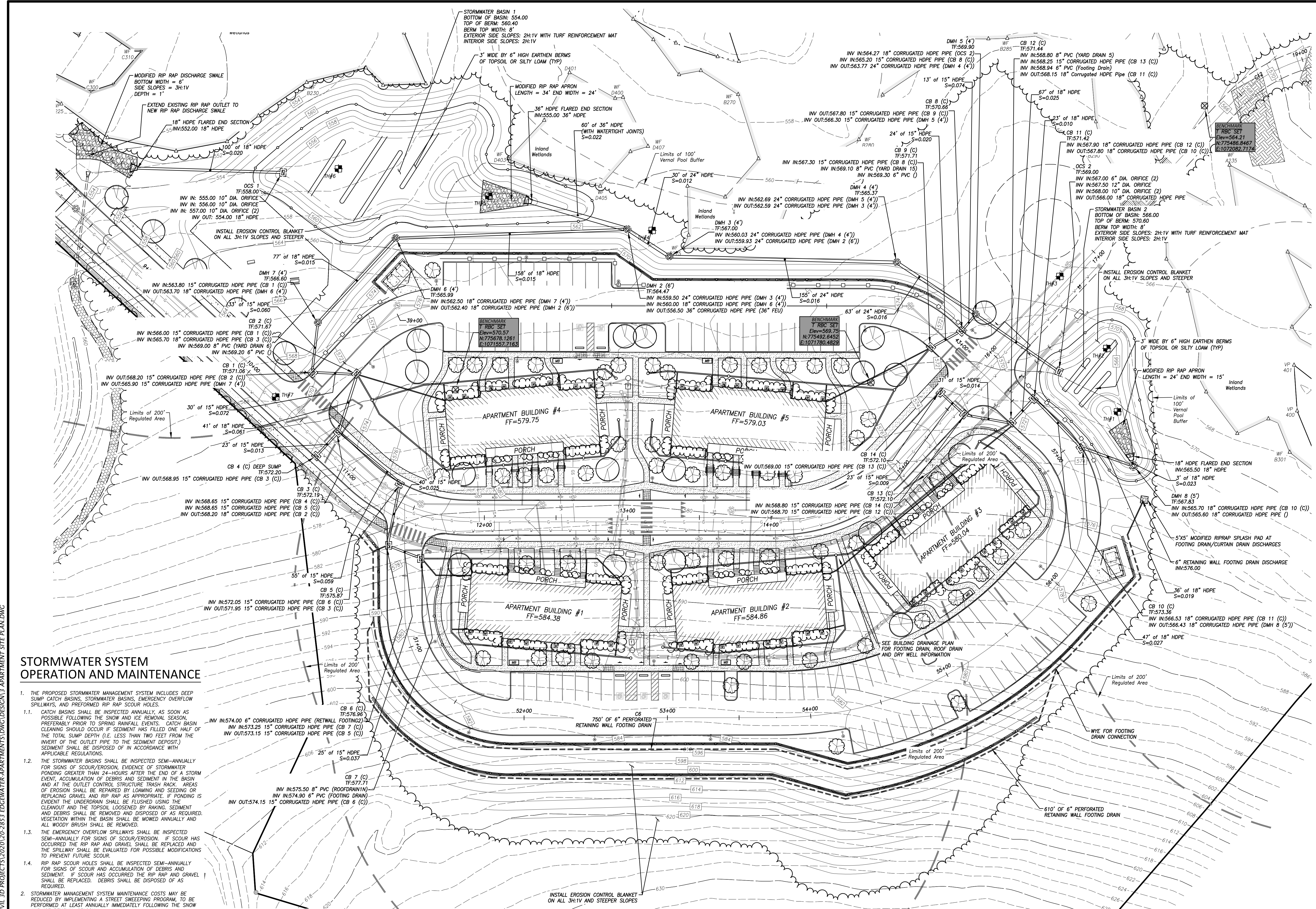
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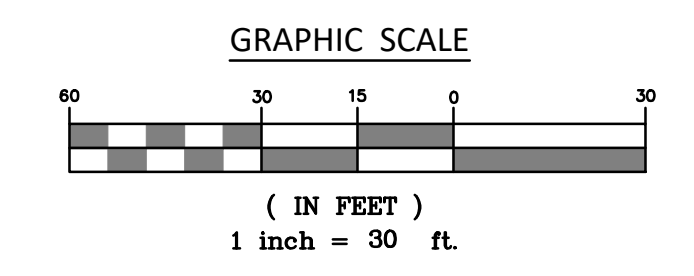
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STORMWATER SYSTEM OPERATION AND MAINTENANCE

- THE PROPOSED STORMWATER MANAGEMENT SYSTEM INCLUDES DEEP SUMP CATCH BASINS, STORMWATER BASINS, EMERGENCY OVERFLOW SPILLWAYS, AND PREFORMED RIP RAP SCOUR HOLES.
 - CATCH BASINS SHALL BE INSPECTED ANNUALLY, AS SOON AS POSSIBLE FOLLOWING THE SNOW AND ICE REMOVAL SEASON, PREFERABLY PRIOR TO SPRING RAINFALL EVENTS. CATCH BASIN CLEANING SHOULD OCCUR IF SEDIMENT HAS FILLED ONE HALF OF THE TOTAL SUMP DEPTH (I.E. LESS THAN TWO FEET FROM THE INVERT OF THE OUTLET PIPE TO THE SEDIMENT DEPOSIT.) SEDIMENT SHALL BE DISPOSED OF IN ACCORDANCE WITH APPLICABLE REGULATIONS.
 - THE STORMWATER BASINS SHALL BE INSPECTED SEMI-ANNUALLY FOR SIGNS OF SCOUR/EROSION, EVIDENCE OF STORMWATER PONDING GREATER THAN 24-HOURS AFTER THE END OF A STORM EVENT, ACCUMULATION OF DEBRIS AND SEDIMENT IN THE BASIN AND AT THE OUTLET CONTROL STRUCTURE TRASH RACK. AREAS OF EROSION SHALL BE REPAIRED BY LOAMING AND SEEDING OR REPLACING GRAVEL AND RIP RAP AS APPROPRIATE. IF PONDING IS EVIDENT THE UNDERDRAIN SHALL BE FLUSHED USING THE CLEANOUT AND THE TOPSOIL LOOSENED BY RAKING. SEDIMENT AND DEBRIS SHALL BE REMOVED AND DISPOSED OF AS REQUIRED. VEGETATION WITHIN THE BASIN SHALL BE MOWED ANNUALLY AND ALL WOODY BRUSH SHALL BE REMOVED.
 - THE EMERGENCY OVERFLOW SPILLWAYS SHALL BE INSPECTED SEMI-ANNUALLY FOR SIGNS OF SCOUR/EROSION. IF SCOUR HAS OCCURRED THE RIP RAP AND GRAVEL SHALL BE REPLACED AND THE SPILLWAY SHALL BE EVALUATED FOR POSSIBLE MODIFICATIONS TO PREVENT FUTURE SCOUR.
 - RIP RAP SCOUR HOLES SHALL BE INSPECTED SEMI-ANNUALLY FOR SIGNS OF SCOUR AND ACCUMULATION OF DEBRIS AND SEDIMENT. IF SCOUR HAS OCCURRED THE RIP RAP AND GRAVEL SHALL BE REPLACED. DEBRIS SHALL BE DISPOSED OF AS REQUIRED.
- STORMWATER MANAGEMENT SYSTEM MAINTENANCE COSTS MAY BE REDUCED BY IMPLEMENTING A STREET SWEEPING PROGRAM TO BE PERFORMED AT LEAST ANNUALLY IMMEDIATELY FOLLOWING THE SNOW AND ICE REMOVAL SEASON.



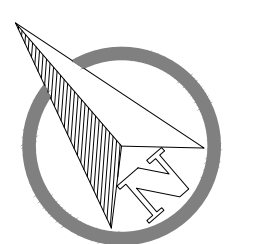
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PLAN NOTES
 1. SEE COVER SHEET FOR ENGINEER AND SURVEYOR SIGNATURES AND SEALS.
 2. SEE SHEET 2 FOR LEGEND & ABBREVIATIONS.

11.92.168.2.3\PROJECTS\CIVIL 3D PROJECTS\2020\20-2853 EDGEMOUNT APARTMENTS\DWG\DESIGN\3 APARTMENT SITE PLAN.DWG

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Salt Pond Apartments at Edgewater Hill
"Building Drainage Plan"
Prepared for
Edgewater Hill Enterprises, LLC
000 East High Street - East Hampton, Connecticut

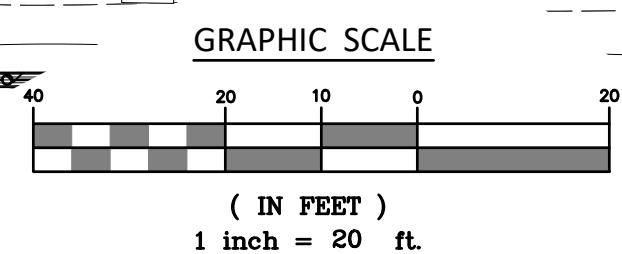
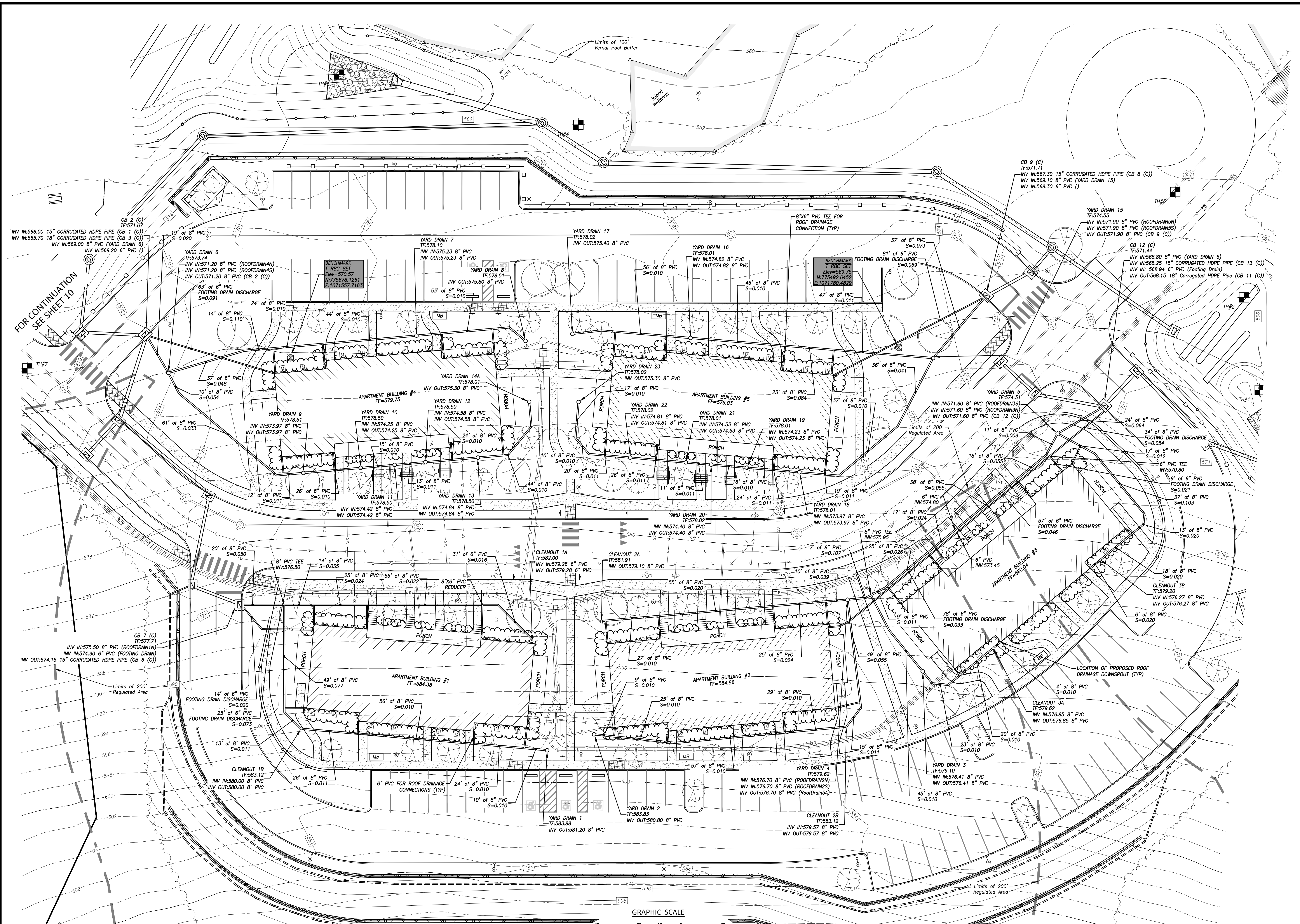


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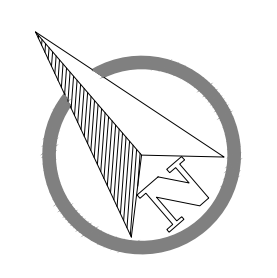


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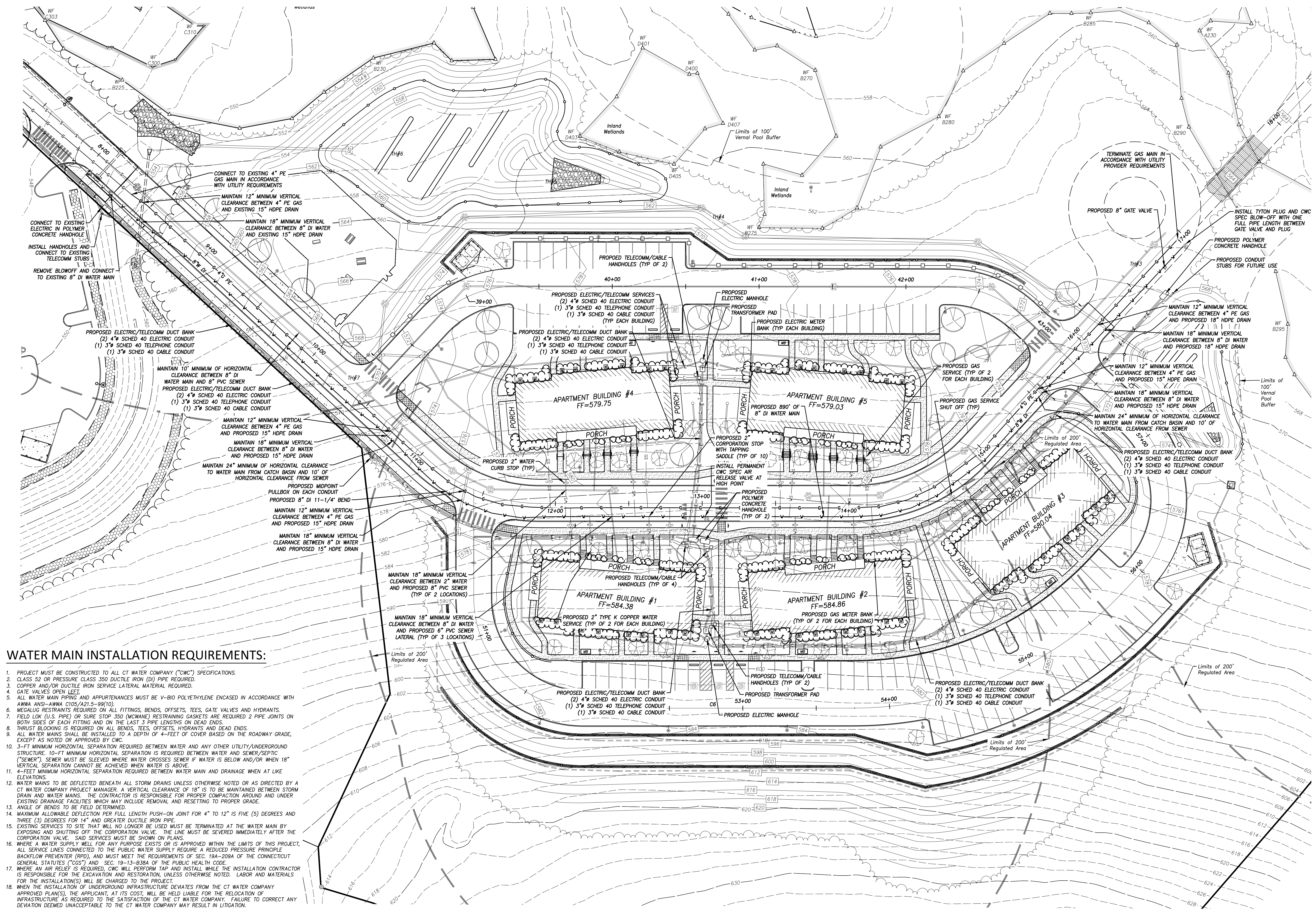
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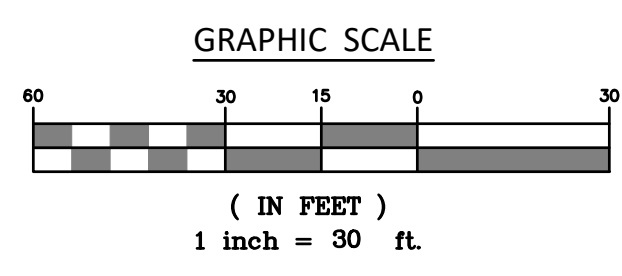
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WATER MAIN INSTALLATION REQUIREMENTS:

- PROJECT MUST BE CONSTRUCTED TO ALL CT WATER COMPANY ("CWC") SPECIFICATIONS.
- CLASS 52 OR PRESSURE CLASS 350 DUCTILE IRON (DI) PIPE REQUIRED.
- COPPER AND/OR DUCTILE IRON SERVICE LATERAL MATERIAL REQUIRED.
- GATE VALVES OPEN LEFT.
- ALL WATER MAIN PIPING AND APPURTENANCES MUST BE V-BIO POLYETHYLENE ENCASED IN ACCORDANCE WITH AWWA ANSI-AWWA C105/A215-99(10).
- MEGALUG RESTRAINTS REQUIRED ON ALL FITTINGS, BENDS, OFFSETS, TEES, GATE VALVES AND HYDRANTS.
- FIELD LOK (U.S. PIPE) OR SURE STOP 350 (MCWANE) RESTRAINING GASKETS ARE REQUIRED 2 PIPE JOINTS ON BOTH SIDES OF EACH FITTING AND ON THE LAST 3 PIPE LENGTHS ON DEAD ENDS.
- THRUST BLOCKING IS REQUIRED ON ALL BENDS, TEES, OFFSETS, HYDRANTS AND DEAD ENDS.
- ALL WATER MAINS SHALL BE INSTALLED TO A DEPTH OF 4-FEET OF COVER BASED ON THE ROADWAY GRADE, EXCEPT AS NOTED OR APPROVED BY CWC.
- 3-FT MINIMUM HORIZONTAL SEPARATION REQUIRED BETWEEN WATER AND ANY OTHER UTILITY/UNDERGROUND STRUCTURE. 10-FT MINIMUM HORIZONTAL SEPARATION IS REQUIRED BETWEEN WATER AND SEWER/SEPTIC ("SEWER"). SEWER MUST BE SLEEVED WHERE WATER CROSSES SEWER IF WATER IS BELOW AND/OR WHEN 18" VERTICAL SEPARATION CANNOT BE ACHIEVED WHEN WATER IS ABOVE.
- 4-FEET MINIMUM HORIZONTAL SEPARATION REQUIRED BETWEEN WATER MAIN AND DRAINAGE WHEN AT LIKE ELEVATIONS.
- WATER MAINS TO BE DEFLECTED BENEATH ALL STORM DRAINS UNLESS OTHERWISE NOTED OR AS DIRECTED BY A CT WATER COMPANY PROJECT MANAGER. A VERTICAL CLEARANCE OF 18" IS TO BE MAINTAINED BETWEEN STORM DRAIN AND WATER MAINS. THE CONTRACTOR IS RESPONSIBLE FOR PROPER COMPACTION AROUND AND UNDER EXISTING DRAINAGE FACILITIES WHICH MAY INCLUDE REMOVAL AND RESETTling TO PROPER GRADE. ANGLE OF BENDS TO BE FIELD DETERMINED.
- MAXIMUM ALLOWABLE DEFLECTION PER FULL LENGTH PUSH-ON JOINT FOR 4" TO 12" IS FIVE (5) DEGREES AND THREE (3) DEGREES FOR 14" AND GREATER DUCTILE IRON PIPE.
- EXISTING SERVICES TO SITE THAT WILL NO LONGER BE USED MUST BE TERMINATED AT THE WATER MAIN BY EXPOSING AND SHUTTING OFF THE CORPORATION VALVE. THE LINE MUST BE SEVERED IMMEDIATELY AFTER THE CORPORATION VALVE. SAID SERVICES MUST BE SHOWN ON PLANS.
- WHERE A WATER SUPPLY WELL FOR ANY PURPOSE EXISTS OR IS APPROVED WITHIN THE LIMITS OF THIS PROJECT, ALL SERVICE LINES CONNECTED TO THE PUBLIC WATER SUPPLY REQUIRE A REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER (RPD), AND MUST MEET THE REQUIREMENTS OF SEC. 19A-209A OF THE CONNECTICUT GENERAL STATUTES ("CGS") AND SEC. 19-13-B38A OF THE PUBLIC HEALTH CODE.
- WHERE AN AIR RELIEF IS REQUIRED, CWC WILL PERFORM TAP AND INSTALL WHILE THE INSTALLATION CONTRACTOR IS RESPONSIBLE FOR THE EXCAVATION AND RESTORATION, UNLESS OTHERWISE NOTED. LABOR AND MATERIALS FOR THE INSTALLATION(S) WILL BE CHARGED TO THE PROJECT.
- WHEN THE INSTALLATION OF UNDERGROUND INFRASTRUCTURE DEVIATES FROM THE CT WATER COMPANY APPROVED PLAN(S), THE APPLICANT, AT ITS COST, WILL BE HELD LIABLE FOR THE RELOCATION OF INFRASTRUCTURE AS REQUIRED TO THE SATISFACTION OF THE CT WATER COMPANY. FAILURE TO CORRECT ANY DEVIATION DEEMED UNACCEPTABLE TO THE CT WATER COMPANY MAY RESULT IN LITIGATION.



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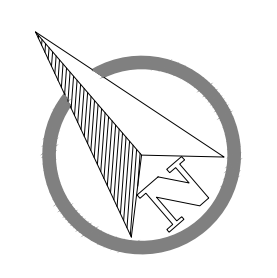
PLAN NOTES

- SEE COVER SHEET FOR ENGINEER AND SURVEYOR SIGNATURES AND SEALS.
- SEE SHEET 2 FOR LEGEND & ABBREVIATIONS.

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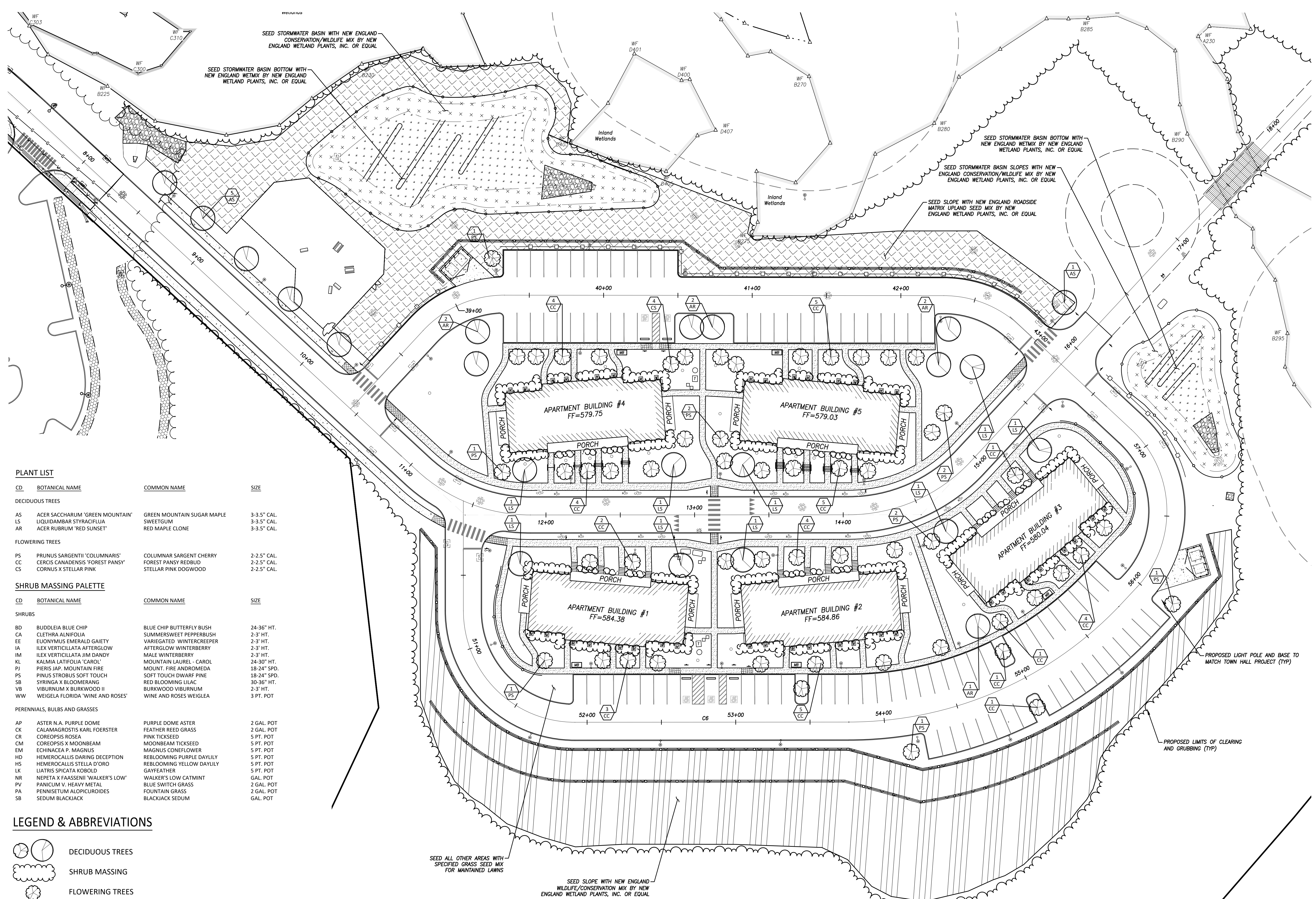
Salt Pond Apartments at Edgewater Hill
 "Landscape Plan"
 Prepared for
 Edgewater Hill Enterprises, LLC
 000 East High Street - East Hampton, Connecticut



SCALE: 1" = 30'
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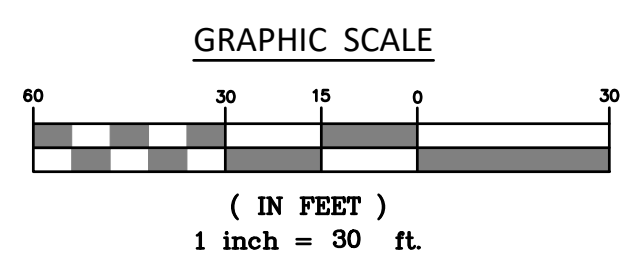


PLANT LIST

CD	BOTANICAL NAME	COMMON NAME	SIZE
DECIDUOUS TREES			
AS	ACER SACCHARUM 'GREEN MOUNTAIN'	GREEN MOUNTAIN SUGAR MAPLE	3-3.5" CAL.
LS	LIQUIDAMBAR STYRACIFLUA	SWEETGUM	3-3.5" CAL.
AR	ACER RUBRUM 'RED SUNSET'	RED MAPLE CLONE	3-3.5" CAL.
FLOWERING TREES			
PS	PRUNUS SARGENTII 'COLUMNARIS'	COLUMNAR SARGENT CHERRY	2-2.5" CAL.
CC	CERCIS CANADENSIS 'FOREST PANSY'	FOREST PANSY REDBUD	2-2.5" CAL.
CS	CORNUS X STELLAR PINK	STELLAR PINK DOGWOOD	2-2.5" CAL.
SHRUB MASSING PALETTE			
CD	BOTANICAL NAME	COMMON NAME	SIZE
SHRUBS			
BD	BUDDLEIA BLUE CHIP	BLUE CHIP BUTTERFLY BUSH	24-36" HT.
CA	CLETHRA ALNIFOLIA	SUMMERSWEET PEPPERBUSH	2-3' HT.
EE	EUONYMUS EMERALD GAJETY	VARIEGATED WINTERCREEPER	2-3' HT.
IA	ILEX VERTICILLATA AFTERGLOW	AFTERGLOW WINTERBERRY	2-3' HT.
IM	ILEX VERTICILLATA JIM DANDY	MALE WINTERBERRY	2-3' HT.
KL	KALMIA LATIFOLIA 'CAROL'	MOUNTAIN LAUREL - CAROL	24-30" HT.
PJ	PIERIS JAP. MOUNTAIN FIRE	MOUNT. FIRE ANDROMEDA	18-24" SPD.
PS	PINUS STROBUS SOFT TOUCH	SOFT TOUCH DWARF PINE	18-24" SPD.
SB	SYRINGA X BLOOMERANG	RED BLOOMING LILAC	30-36" HT.
VB	VIBURNUM X BURKWOOD II	BURKWOOD VIBURNUM	2-3' HT.
WW	WEIGELA FLORIDA 'WINE AND ROSES'	WINE AND ROSES WEIGELA	3 PT. POT
PERENNIALS, BULBS AND GRASSES			
AP	ASTER N.A. PURPLE DOME	PURPLE DOME ASTER	2 GAL. POT
CK	CALAMAGROSTIS KARL FOERSTER	FEATHER REED GRASS	2 GAL. POT
CR	COREOPSIS ROSEA	PINK TICKSEED	5 PT. POT
CM	COREOPSIS X MOONBEAM	MOONBEAM TICKSEED	5 PT. POT
EM	ECHINACEA P. MAGNUS	MAGNUS CONEFLOWER	5 PT. POT
HD	HEMEROCALLIS DARING DECEPTION	REBLOOMING PURPLE DAYLILY	5 PT. POT
HS	HEMEROCALLIS STELLA D'ORO	REBLOOMING YELLOW DAYLILY	5 PT. POT
LK	LIASTRIS SPICATA KOBOLD	GAYFEATHER	5 PT. POT
NR	NEPETA X FASSENII 'WALKER'S LOW'	WALKER'S LOW CATMINT	GAL. POT
PA	PANICUM V. HEAVY METAL	BLUE SWITCH GRASS	2 GAL. POT
PV	PENNISETUM ALOPECUROIDES	FOUNTAIN GRASS	2 GAL. POT
SB	SEDUM BLACKJACK	BLACKJACK SEDUM	GAL. POT

LEGEND & ABBREVIATIONS

- DECIDUOUS TREES
- SHRUB MASSING
- FLOWERING TREES
- LANDSCAPE MATERIAL IDENTIFIER

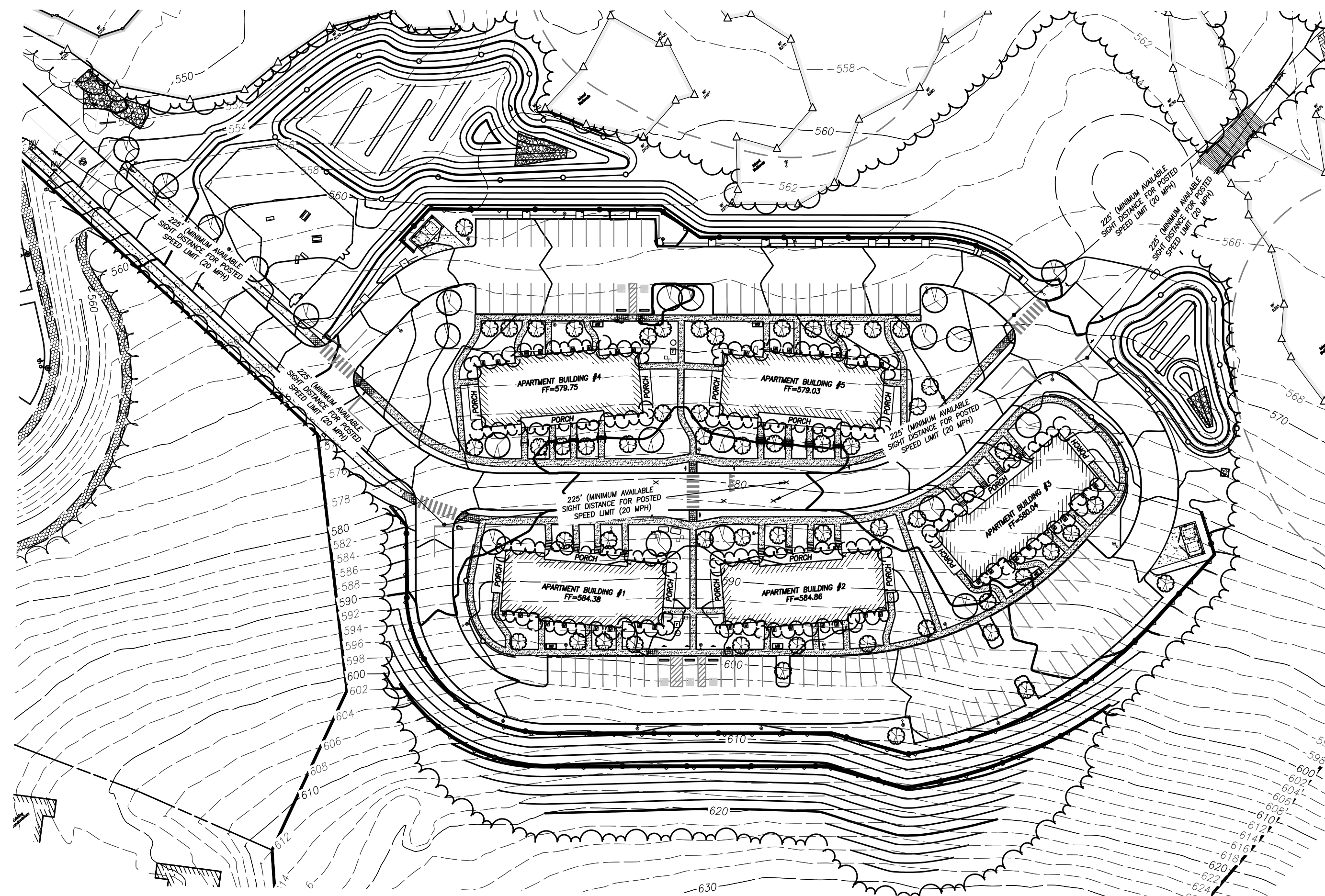


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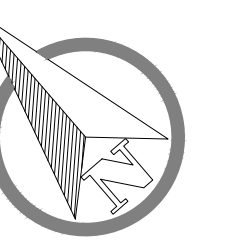
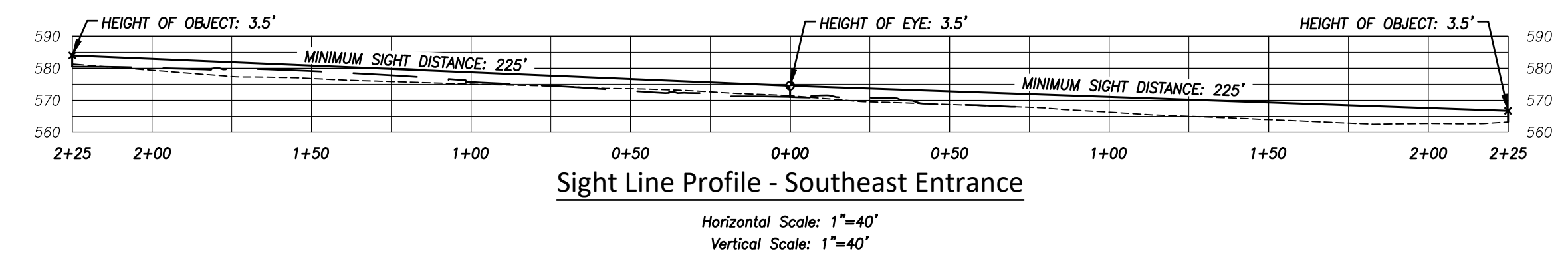
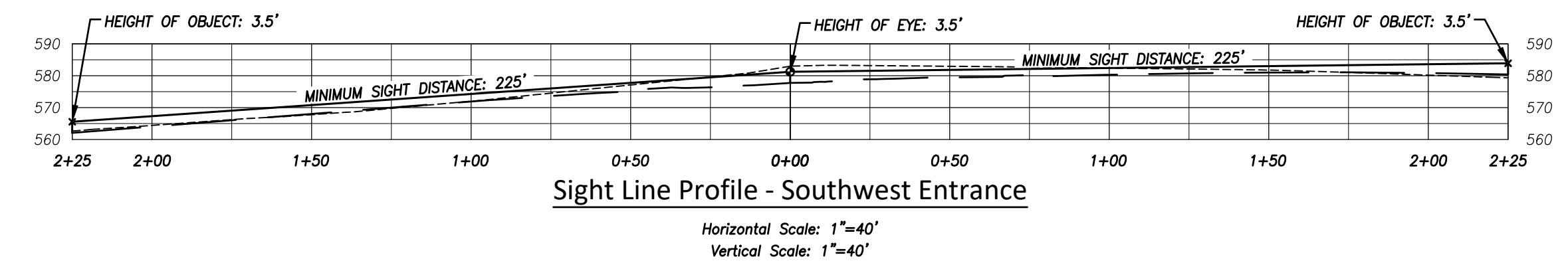
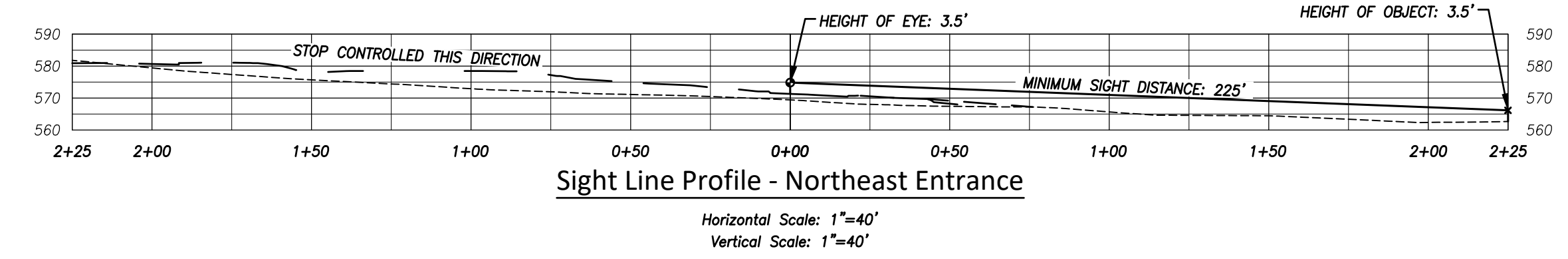
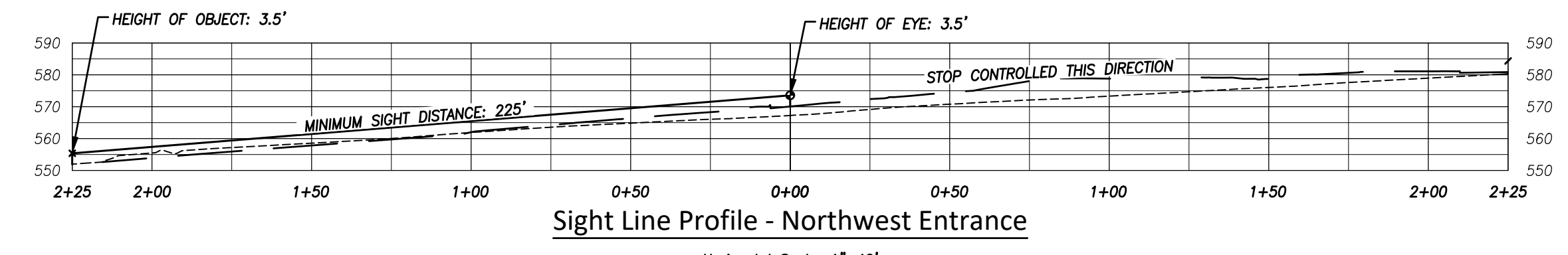
PLAN NOTES

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Sight Line Location Plans
Horizontal Scale: 1"=60'



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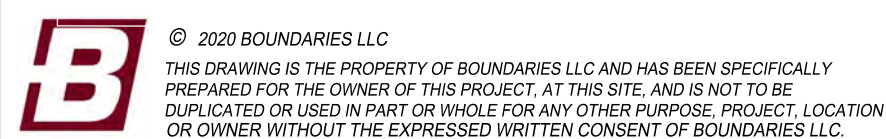
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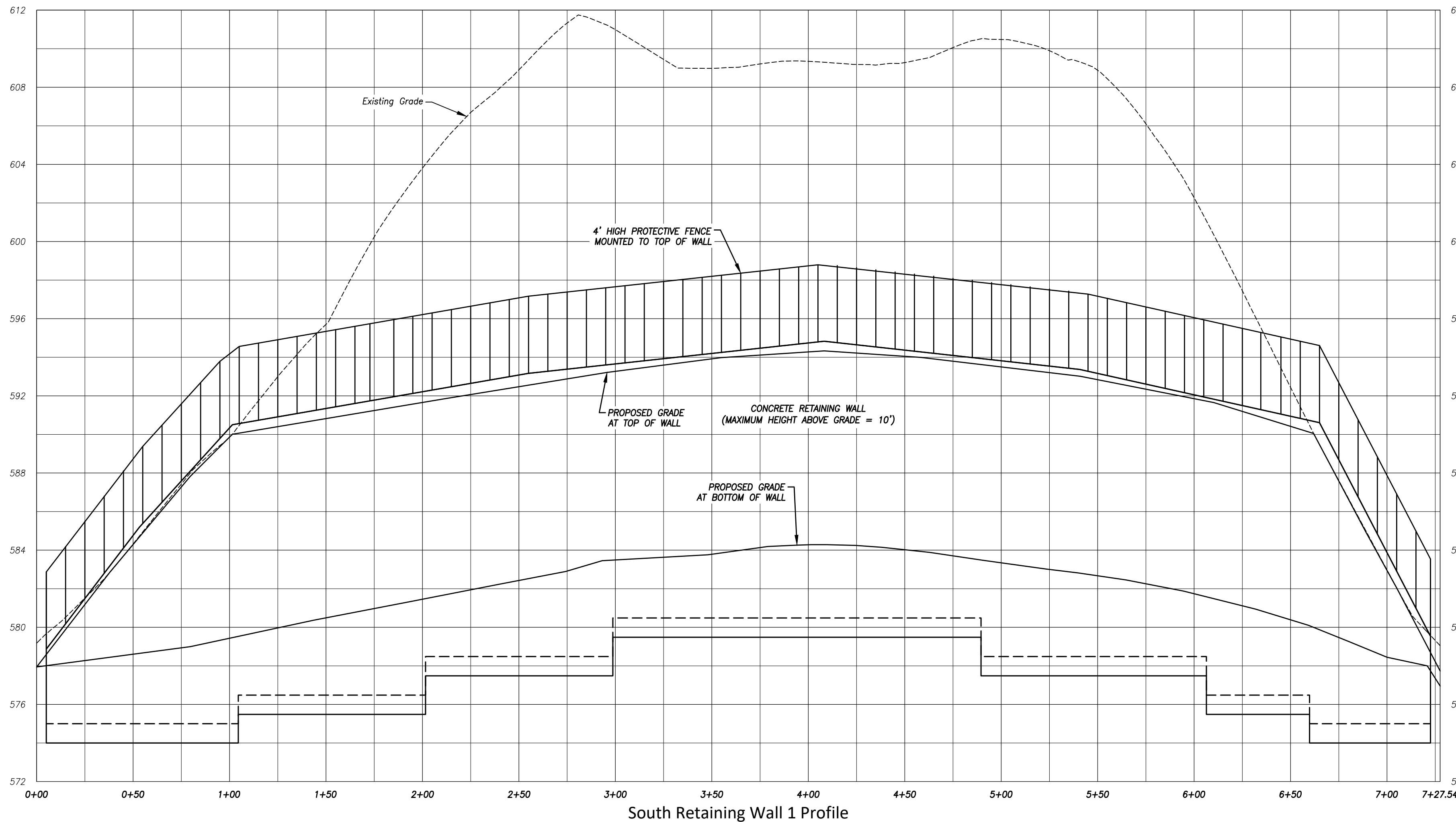
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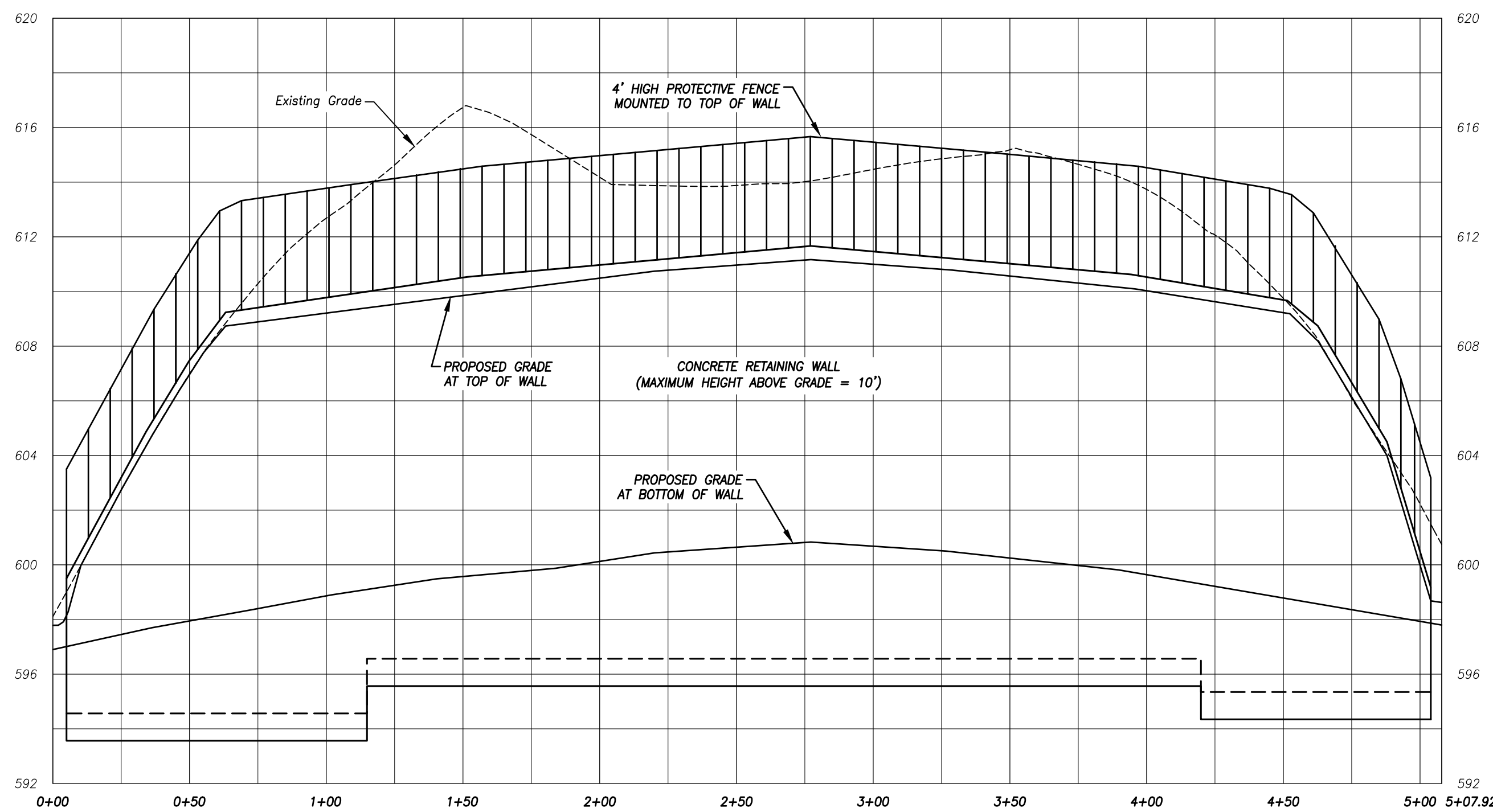


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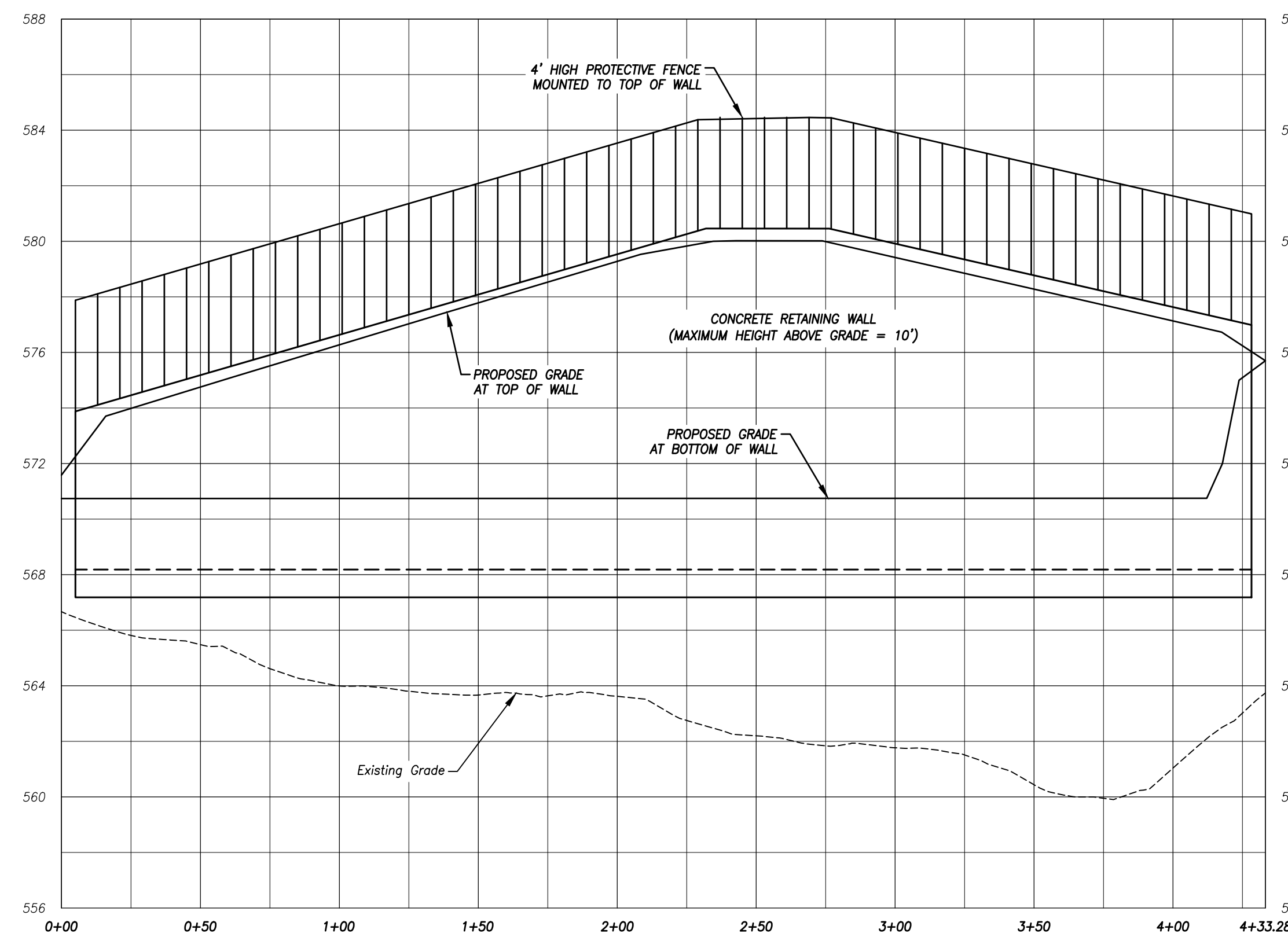
South Retaining Wall 1 Profile

Horizontal Scale: 1"=40'
Vertical Scale: 1"=4'



South Retaining Wall 2 Profile

Horizontal Scale: 1"=40'
Vertical Scale: 1"=4'



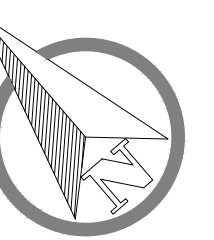
North Retaining Wall Profile

Horizontal Scale: 1"=40'
Vertical Scale: 1"=4'

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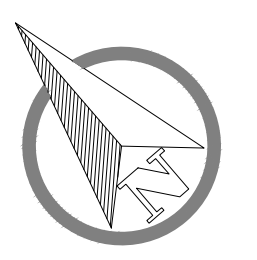


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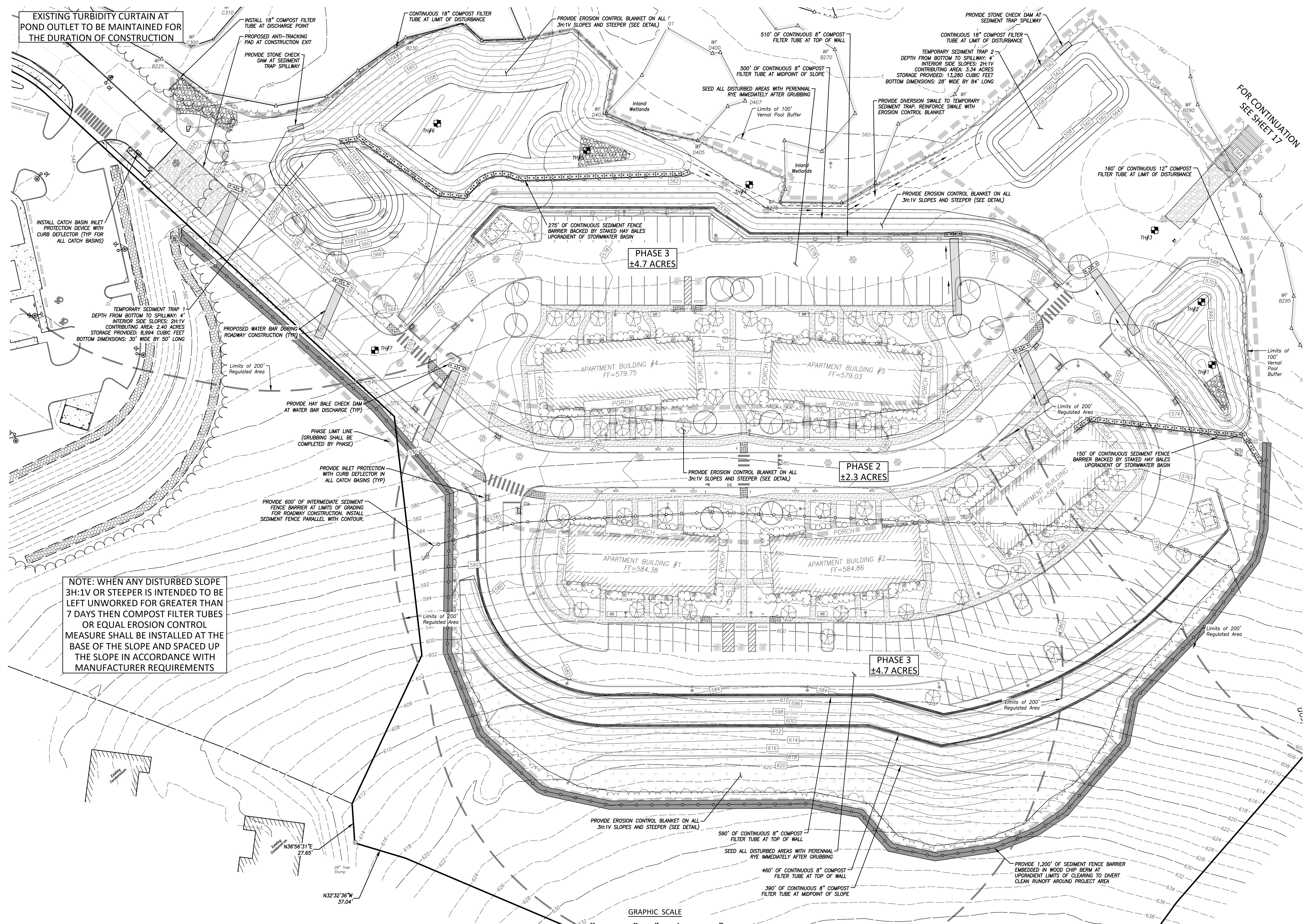
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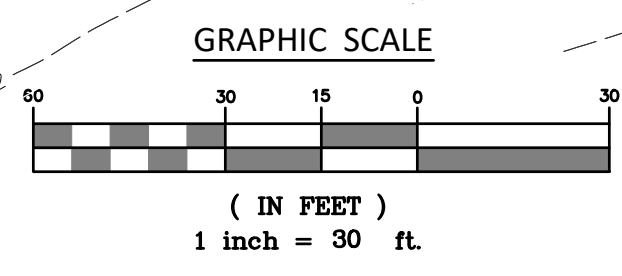


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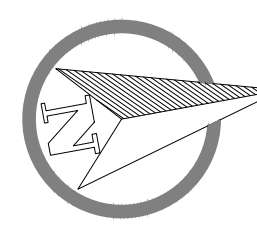
NOTE: WHEN ANY DISTURBED SLOPE 3H:1V OR STEEPER IS INTENDED TO BE LEFT UNWORKED FOR GREATER THAN 7 DAYS THEN COMPOST FILTER TUBES OR EQUAL EROSION CONTROL MEASURE SHALL BE INSTALLED AT THE BASE OF THE SLOPE AND SPACED UP THE SLOPE IN ACCORDANCE WITH MANUFACTURER REQUIREMENTS



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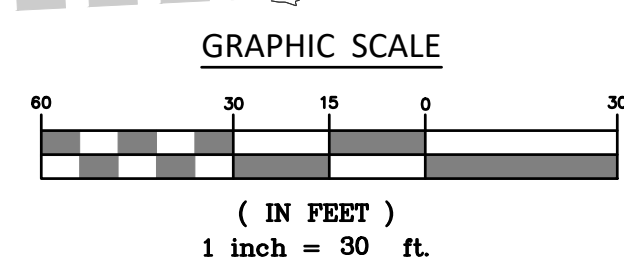
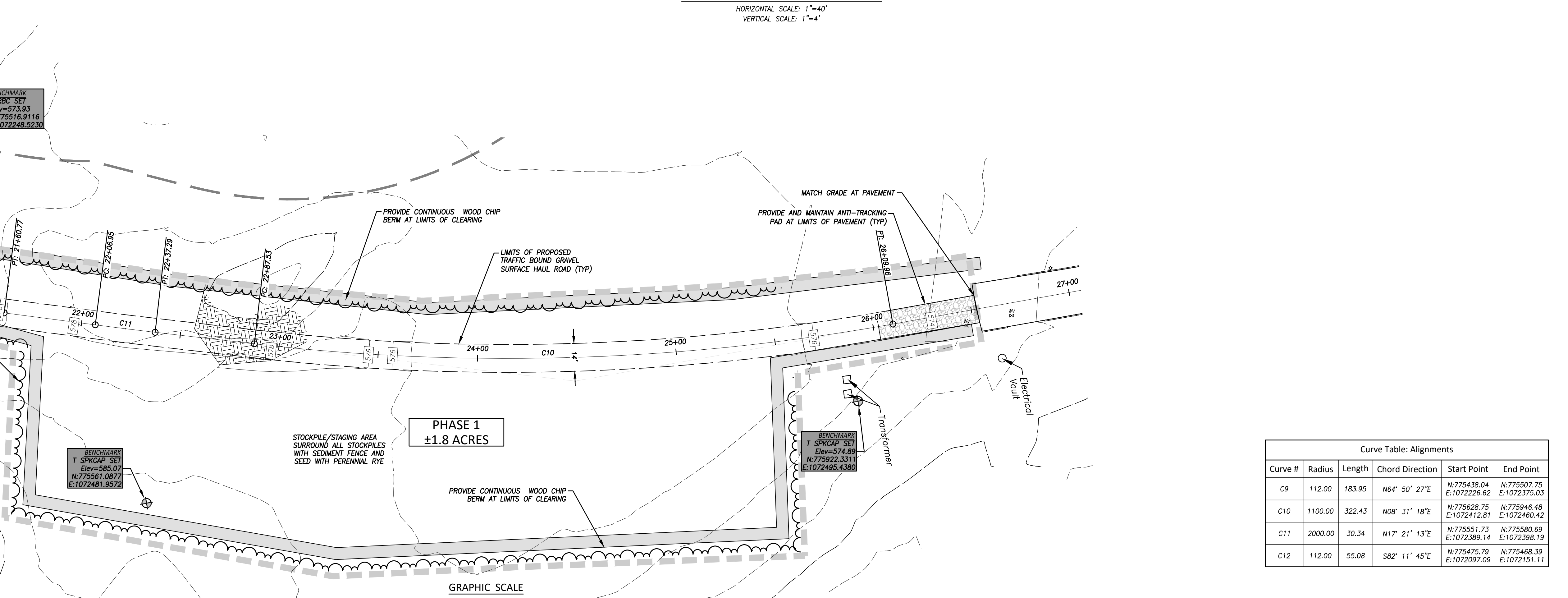
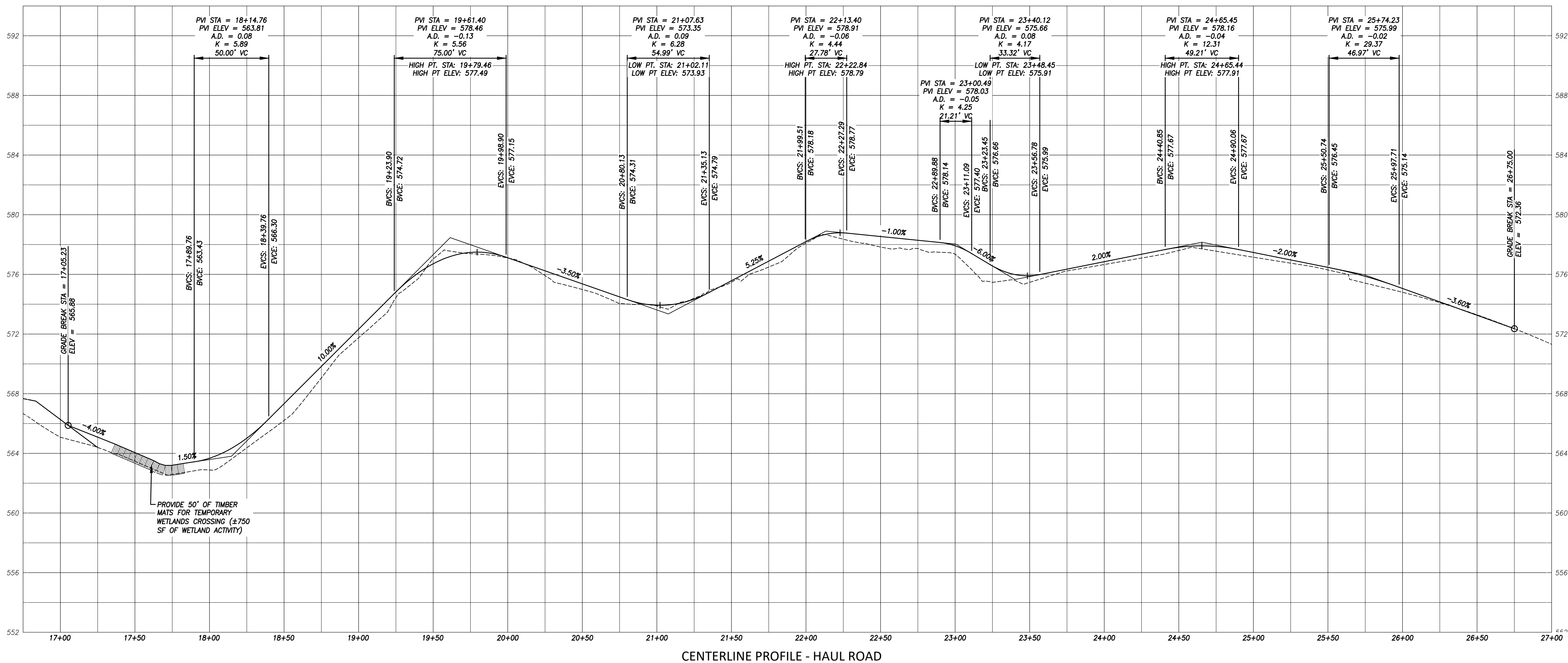
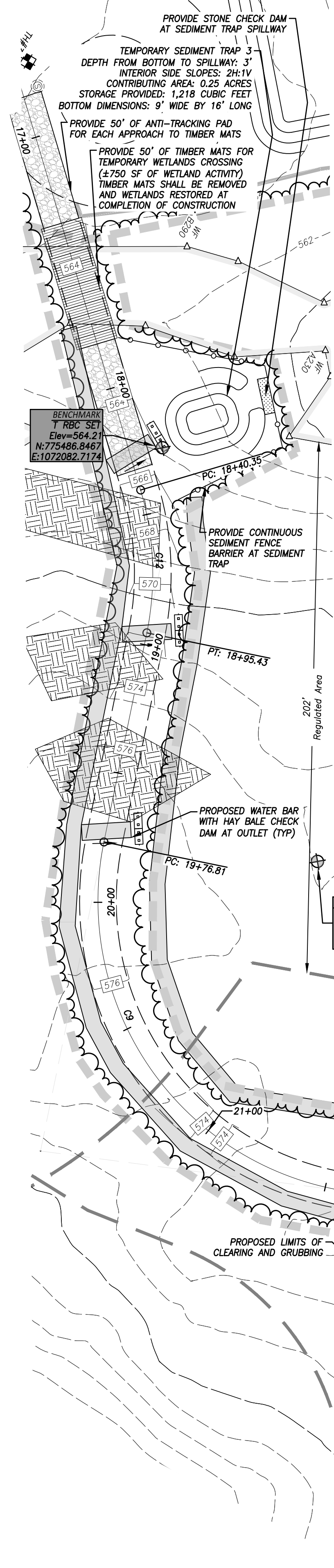


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FOR CONTINUATION
 SEE SHEET 16



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NARRATIVE:

THIS PROPOSAL CONSISTS OF THE DEVELOPMENT OF FIVE (5) EIGHT-UNIT APARTMENT BUILDINGS ON #9.1 ACRES IN THE EDGEWATER HILL MIXED USE DEVELOPMENT DISTRICT. THE PROJECT INCLUDES THE CONSTRUCTION OF #800 LINEAR FEET OF NEW ACCESS ROADWAY, ASSOCIATED SIDEWALKS, CIRCULATION DRIVES AND PARKING AREAS AND THE EXTENSION OF SEWER, WATER, GAS, ELECTRICITY AND COMMUNICATIONS UTILITIES TO SERVE THE PROPOSED BUILDINGS.

STORMWATER RUNOFF FROM THE PROPOSED IMPERVIOUS AREAS WILL BE COLLECTED IN DEEP SUMP CATCH BASINS WITH HOODED OUTLETS AT THE DOWNSTREAM STRUCTURE PRIOR TO DISCHARGING TO TWO STORMWATER BASINS FOR DETENTION OF PEAK STORMWATER RUNOFF RATES. THE LOW LEVEL OUTLETS OF THE STORMWATER BASINS ARE ELEVATED ABOVE THE BASIN BOTTOMS TO RETAIN THE WATER QUALITY VOLUME ON-SITE FOLLOWING STORM EVENTS. DUE TO THE PRESENCE OF A RESTRICTIVE LAYER AND PERCHED GROUNDWATER TABLES THE BOTTOM OF THE BASINS ARE SLOPED AND WILL BE PROVIDED WITH UNDERDRAINS SIZED TO DRAIN THE BASINS TO DRAIN WITHIN 72 HOURS FOLLOWING STORM EVENTS. GROUNDWATER RECHARGE WILL BE PROVIDED BY DRY WELLS WITH HIGH LEVEL OVERFLOWS THAT WILL CAPTURE THE RUNOFF FROM THE PROPOSED BUILDING ROOFS AND GRASSED AREAS.

ACCORDING TO THE UNITED STATES DEPARTMENT OF AGRICULTURE (USDA), NATURAL RESOURCES CONSERVATION SERVICE (NRCS) WEB SOIL SURVEY FOR THE STATE OF CONNECTICUT, THE SOILS LOCATED IN THE DEVELOPMENT AREA ARE AS FOLLOWS:

- 3 RIDGEBURY, LEICESTER & WHITMAN SOILS, 0-8% SLOPES, EXTREMELY STONY (HSG D) (CT WETLAND SOIL)
460 WOODBRIDGE FINE SANDY LOAM, 8-15% SLOPES, VERY STONY (HSG C/D)
860 PAXTON AND MONTAUK FINE SANDY LOAMS, 15-35% SLOPES, EXTREMELY STONY (HSG C)

INLAND WETLANDS LOCATED UPON THE SUBJECT PROPERTY ARE AS SHOWN ON THE APPROVED EDGEWATER HILL MASTER PLAN, AND PERMITS TO CONDUCT REGULATED ACTIVITIES FOR THE PROPOSED WORK ARE REQUIRED FROM THE MUNICIPAL WETLANDS AND WATERShed GROUNDWATER AGENCY. THE PROJECT PROPOSES THE REMOVAL OF ISOLATED WETLAND SERIES H (42,250 SF OF WETLAND ACTIVITY) AND THE INSTALLATION OF TIMBER MATS FOR THE CROSSING OF WETLAND SERIES A/B AT ITS NARROWEST POINT FOR THE HAUL ROAD (4750 SF OF WETLAND ACTIVITY). THE DEVELOPMENT OF THE PROJECT INCLUDES 43,000 SQUARE FEET (0.07 ACRES) OF WETLAND ACTIVITY, 298,993 SQUARE FEET (6.86 ACRES) OF UPLAND REVEGETATION AREA, AND A TOTAL SITE DISTURBANCE OF 377,632 SQUARE FEET (8.67 ACRES).

CONTINUOUS SEDIMENT BARRIERS WILL BE INSTALLED AT LOCATIONS SHOWN PRIOR TO ANY EARTHWORK OPERATIONS. THESE MEASURES WILL BE MAINTAINED UNTIL ALL DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED. GRUBBING OF STUMPS SHALL BE COMPLETED IN PHASES AS SHOWN ON THE EROSION AND SEDIMENTATION CONTROL PLAN TO LIMIT THE AMOUNT OF DISTURBED SOILS AT ANY TIME.

REFERENCE IS MADE TO:

- 1. CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL, MAY 2002.
2. SOIL SURVEY OF MIDDLESEX COUNTY CONNECTICUT, U.S.D.A. NATURAL RESOURCES CONSERVATION SERVICE.

DEVELOPMENT SCHEDULE:

PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR IS TO SCHEDULE A MANDATORY PRECONSTRUCTION MEETING ON SITE TO DISCUSS ISSUES AS THEY RELATE TO THE PROPOSED PROJECT. THESE ISSUES WILL INCLUDE BUT NOT BE LIMITED TO:

- 1. RESOURCE PROTECTION.
2. CONSTRUCTION VEHICLE ACCESS, PARKING AND FUELING.
3. CONSTRUCTION METHODS AND SCHEDULING.
4. EXISTING SITE UTILITIES AND MARK-OUT COORDINATION.
5. MATERIAL DELIVERY AND STORING.
6. UTILITY AS-BUILT DRAWINGS.
7. STORMWATER CONSTRUCTION CONTROL PLAN AND SITE INSPECTION PROCEDURES.

SUGGESTED SEQUENCE OF CONSTRUCTION:

PHASE 1 - INSTALLATION OF EROSION CONTROLS

- 1. OBTAIN APPROPRIATE PERMITS, NOTIFY TOWN OFFICIALS OF CONSTRUCTION COMMENCEMENT, AND SUBMIT CONSTRUCTION TIMETABLE.
2. FLAG THE LIMITS OF CONSTRUCTION AND CLEARING LIMITS.
3. INSTALL THE CONSTRUCTION ENTRANCE/ANTI-TRACKING PAD.
4. ON-SITE CONSTRUCTION SEQUENCE SHALL START WITH CLEARING WITHIN THE PROPOSED CLEARING LIMITS AND REMOVE CUT WOOD, CHIP BRUSH AND SLASH, STOCKPILE CHIPS FOR FUTURE USE OR REMOVE OFF SITE, DO NOT GRUB STUMPS.
5. INSTALL GEOTEXTILE SEDIMENT FENCE, WOOD CHIP BERMS, AND/OR COMPOST FILTER TUBES AS SHOWN ON PLAN.
6. FOLLOWING INSTALLATION OF THE EROSION CONTROLS, THE CONTRACTOR SHALL CONTACT THE ENGINEER AND TOWN STAFF FOR INSPECTION AND APPROVAL OF INSTALLED MEASURES. NO WORK SHALL COMMENCE UNTIL ALL EROSION CONTROL MEASURES HAVE BEEN INSTALLED AND APPROVED.

PHASE 2 - SITE PREPARATION

- 1. GRUBBING SHALL BE COMPLETED IN PHASES AS SHOWN ON THE EROSION AND SEDIMENTATION CONTROL PLAN TO LIMIT THE AMOUNT OF DISTURBED SOIL AT ANY TIME.
2. STRIP AND STOCKPILE TOPSOIL FROM DESIGNATED GRADING AREAS BY PHASE AFTER EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED. THE TOPSOIL SHALL BE SEEDDED IMMEDIATELY AFTER STOCKPILING IN ORDER TO STABILIZE THE SOILS AND LIMIT SEDIMENT RUNOFF. STOCKPILED TOPSOIL SHALL BE SEEDDED AND MULCHED WHEN IT IS TO BE STORED FOR MORE THAN 21 DAYS FROM TIME OF STOCKPILING.
3. MAKE ALL CUTS AND FILLS REQUIRED BY PHASE. ESTABLISH THE SUBGRADE FOR THE TOPSOIL AREAS, PARKING AND ROADWAY AS REQUIRED AND BENCH THE BUILDING TO A SUBGRADE. ALLOW A REASONABLE AMOUNT OF AREA AROUND THE FOOTPRINT OF THE BUILDING FOR THE CONSTRUCTION ACTIVITIES.
4. COMPACT SUBGRADE TO 95% MAXIMUM DENSITY PRIOR TO PLACING FILL OR SUBBASE FOR PAVED AREAS.

PHASE 3 - SITE IMPROVEMENTS AND BUILDING CONSTRUCTION

- 1. CONSTRUCT TEMPORARY HAUL ROAD, ASSOCIATED TEMPORARY SEDIMENT TRAP, AND ROUGH GRADE EXTENSION OF EDGEWATER CIRCLE.
2. PRIOR TO INSTALLING SURFACE WATER CONTROLS SUCH AS TEMPORARY DIVERSIONS AND WATER BARS, INSPECT EXISTING CONDITIONS TO ENSURE DISCHARGE LOCATIONS ARE STABLE. IF NOT STABLE, REVIEW DISCHARGE CONDITIONS WITH THE DESIGN ENGINEER AND IMPLEMENT ADDITIONAL STABILIZATION MEASURES PRIOR TO INSTALLING WATER SURFACE CONTROLS.
3. CONSTRUCT TEMPORARY SEDIMENT TRAPS 1 AND 2.
4. CONSTRUCT PERMANENT STORMWATER BASINS EARLY IN THE SEQUENCE OF CONSTRUCTION AND INSTALL UPGRADED EROSION CONTROL MEASURES TO PROTECT STORMWATER BASINS FROM RUNOFF. LOAM, SEED AND MULCH STORMWATER BASINS WITH SPECIFIED SEED MIXES.
5. INSTALL ALL SANITARY SEWERS, DRAINAGE SYSTEMS AND UTILITIES TO WITHIN 5 FEET OF THE BUILDING OR AS OTHERWISE MODIFIED BY THE DESIGN ENGINEER TO ADJUST FOR UNFORSEEN SITE CONDITIONS.
6. PERFORM MASS EARTHWORK AS REQUIRED TO ESTABLISH SUB-BASES FOR BUILDINGS 1 AND 2.
7. PREPARE SUB-BASE, SLOPES, PARKING AREAS, SHOULDER AREAS, ACCESS ROADS AND ANY OTHER AREA OF DISTURBANCE FOR FINAL GRADING.
8. INSTALL SUBBASE AND BASE COURSES OF GRAVEL IN PARKING AREAS.
9. PLACE TOPSOIL WHERE REQUIRED TO COMPLETE THE PERIMETER LANDSCAPE PLANTINGS.
10. FINE GRADE, RAKE, SEED AND MULCH TO WITHIN 2 FEET OF THE CURBING.
11. UPON SUBSTANTIAL COMPLETION OF BUILDINGS 1 AND 2, COMPLETE THE BALANCE OF SITE WORK AND STABILIZATION OF ALL OTHER DISTURBED AREAS. INSTALL FIRST COURSE OF PAVING.
12. AFTER STABILIZATION OF ROADWAY AND AREAS SURROUNDING BUILDINGS 1 AND 2 CONTINUE EARTHWORK FOR BUILDINGS 3, 4 AND 5. EXCESS SOILS SHALL BE STOCKPILED IN THE DESIGNATED STAGING AREA, SURROUNDED WITH SILT FENCE, SEEDED WITH RYE GRASS, AND MULCHED WITH HAY.

PHASE 4 - FINAL SEEDING AND CLEANUP

- 1. EXCAVATE COLLECTED SEDIMENT FROM SEDIMENT TRAPS AND BACKFILL TO DESIGN GRADES.
2. WHEN ALL OTHER WORK HAS BEEN COMPLETED, REPAIR AND SWEEP ALL PAVED AREAS FOR THE FINAL COURSE OF PAVING. INSPECT THE DRAINAGE SYSTEM AND CLEAN AS NEEDED.
3. INSTALL FINAL COURSE OF PAVEMENT AFTER STORMWATER BASIN VEGETATION HAS BEEN ESTABLISHED.
4. ALL DISTURBED AREAS SHALL BE PREPARED WITH TOPSOIL AND SEEDDED AND MULCHED ACCORDING TO THIS PLAN.
5. AFTER ALL FINAL GRADED DISTURBED AREAS HAVE BEEN STABILIZED, REMOVE ALL EROSION AND SEDIMENT STRUCTURES. CLEAN ALL STORMWATER STRUCTURES OF SEDIMENT AND DEBRIS.

ANTICIPATED CONSTRUCTION SCHEDULE

Table with 3 columns: NO., PHASE DESCRIPTION, ESTIMATED DURATION. Rows include installation of erosion controls, site preparation, site improvements and building construction, and final paving, final seeding and cleanup.

EROSION CONTROL OPERATION & MAINTENANCE:

THE SITE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF EROSION AND SEDIMENT CONTROL MEASURES THROUGHOUT THE PROJECT. NO CONSTRUCTION SHALL PROCEED UNTIL PROPER SEDIMENTATION AND EROSION CONTROL METHODS HAVE BEEN INSTALLED AS THE SEQUENCE OF CONSTRUCTION NECESSITATES.

MAINTENANCE OF EROSION AND SEDIMENT CONTROLS SHALL BE COMPLETED IN ACCORDANCE WITH THE CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL (2002). THE CONTRACTOR SHALL MAINTAIN A COPY OF THE GUIDELINES ON-SITE AND REFER TO THE APPROPRIATE MAINTENANCE PROCEDURES THAT SHALL BE UTILIZED DURING THE CONSTRUCTION (https://portal.ct.gov/DEEP/Water/Soil-Erosion-and-Sediment-Control-Guidelines/Guidelines-for-Soil-Erosion-and-Sediment-Control). A SUMMARY OF THE MAINTENANCE REQUIREMENTS FOR THE PROJECT IS PROVIDED BELOW.

DURING CONSTRUCTION, ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED IN PROPER WORKING ORDER. DISTURBED AREAS SHALL BE KEPT TO A MINIMUM AND SHALL ONLY TAKE PLACE WHERE IMMEDIATELY REQUIRED TO FURTHER CONSTRUCTION. IT IS DESIRABLE FROM AN EROSION PREVENTION PERSPECTIVE TO MINIMIZE DISTURBED AREAS. FINAL GRADING AND SEEDING SHALL TAKE PLACE AS SOON AS PRACTICAL.

A RAIN GAUGE SHALL BE PLACED AT THE PROJECT IN A WORKABLE LOCATION AND MONITORED DURING RAINFALL PERIODS UNTIL ALL DISTURBED AREAS ARE STABILIZED.

EVERY PRECAUTION SHALL BE USED DURING CONSTRUCTION TO PREVENT AND MINIMIZE THE DEGRADATION OF THE EXISTING WATER QUALITY FROM STORMWATER RUNOFF DURING CONSTRUCTION. ALL ACTIVITIES SHALL BE IN CONFORMANCE TO AND CONSISTENT WITH ALL APPLICABLE WATER QUALITY STANDARDS AND MANAGEMENT PRACTICES AS SET FORTH BY LOCAL, STATE AND FEDERAL AGENCIES.

THE SITE CONTRACTOR SHALL APPOINT AN ONSITE AGENT WHO SHALL BE PERSONALLY RESPONSIBLE FOR IMPLEMENTING THIS EROSION AND SEDIMENT CONTROL PLAN AND ENFORCING THE PRESCRIBED SAFEGUARDS DURING THE EXCAVATION AND OPERATION PERIOD.

THIS RESPONSIBILITY INCLUDES THE INSTALLATION AND MAINTENANCE OF CONTROL MEASURES THROUGHOUT THE PROJECT, INFORMING ALL PARTIES ENGAGED ON SITE OF THE REQUIREMENTS AND OBJECTIVES OF THE PLAN, AND NOTIFYING THE PROPER AGENCY AND OFFICIALS OF ANY TRANSFER OF THIS RESPONSIBILITY.

ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REPAIRED, CLEANED AND/OR REPLACED AS NECESSARY THROUGHOUT THE PROJECT IN ORDER TO MAINTAIN COMPLETE AND INTEGRAL EROSION AND SEDIMENT CONTROL PROTECTION. ONCE IN PLACE, ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO REMAIN IN PLACE IN PROPER CONDITION AND BE CONTINUOUSLY MAINTAINED UNTIL FINAL SITE RESTORATION HAS BEEN COMPLETED. FOLLOWING SUCH PERMANENT STABILIZATION, THE EROSION AND SEDIMENT CONTROL MEASURES SHALL BE DISMANTLED, REMOVED, AND DISPOSED OF IN AN APPROVED MANNER. ADDITIONAL MEASURES NECESSARY TO ADDRESS FIELD CONDITIONS AND/OR AS ORDERED BY PRESCRIBED HEREIN SHALL BE PUT IN PLACE, WHENEVER NECESSARY, TO ADDRESS FIELD CONDITIONS AND/OR AS ORDERED BY THE ENGINEER.

QUALIFIED PERSONNEL PROVIDED BY THE SITE CONTRACTOR SHALL INSPECT PERIMETER EROSION CONTROL MEASURES, ALL DISTURBED AREAS AND THE LOCATIONS WHERE VEHICLES ENTER AND LEAVE THE SITE. THESE AREAS SHALL BE INSPECTED AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN TWENTY-FOUR HOURS AT THE END OF A STORM THAT IS 0.5 INCHES OR GREATER. ADDITIONAL MEASURES BEYOND THOSE INDICATED AND/OR SHOWN ON THIS PLAN SET OR PRESCRIBED HEREIN SHALL BE PUT IN PLACE WHENEVER NECESSARY TO ADDRESS FIELD CONDITIONS AND/OR AS ORDERED BY THE ENGINEER OR TOWN STAFF. WHERE SITES HAVE BEEN TEMPORARILY OR FINALLY STABILIZED, SUCH INSPECTION SHALL BE CONDUCTED AT LEAST ONCE EVERY MONTH FOR THREE CONSECUTIVE MONTHS.

NO SOIL, FILL OR OTHER MATERIALS SHALL BE DEPOSITED IN SURROUNDING INLAND WETLANDS.

ALL TEMPORARY STORAGE AND/OR STOCKPILE AREAS SHALL BE PROPERLY STABILIZED TO PREVENT EROSION AND SUITABLY CONTAINED TO PREVENT TURBID RUNOFF.

DUMPING OF OIL OR OTHER DELETERIOUS MATERIALS ON THE GROUND IS FORBIDDEN. THE APPLICANT SHALL PROVIDE A MEANS OF CATCHING, RETAINING AND PROPERLY DISPOSING OF DRAINED OIL, REMOVED OIL FILTERS, OR OTHER DELETERIOUS MATERIAL FROM EQUIPMENT USED ON SITE. MAJOR VEHICLE MAINTENANCE SHALL BE COMPLETED OFF SITE. ALL OIL SPILLS SHALL BE IMMEDIATELY REPORTED TO THE DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION/HAZARDOUS MATERIALS UNIT. FAILURE TO DO SO MAY RESULT IN THE IMPOSITION OF FINES UNDER THE APPLICABLE CONNECTICUT GENERAL STATUTES.

DURING CONSTRUCTION, THE SITE CONTRACTOR SHALL BE RESPONSIBLE FOR SITE INSPECTION AND MAINTENANCE TO INSURE PROPER PERFORMANCE OF EROSION CONTROL MEASURES. INSPECTION AND MAINTENANCE SHALL INCLUDE, AT A MINIMUM, THE FOLLOWING:

- INSPECT ALL SEDIMENT FENCE, WOOD CHIP BERMS AND OTHER EROSION CONTROL MEASURES. REPAIR OR REPLACE ANY DAMAGED PORTION IN ORDER TO INSURE ITS PROPER AND EFFECTIVE OPERATION. REMOVE ACCUMULATED SEDIMENT IF REQUIRED (GREATER THAN 4" DEPTH).
- INSPECT ALL STOCKPILES. REPAIR OR REPLACE ANY DAMAGED PORTION OF EROSION CONTROL MEASURES SURROUNDING THESE AREAS IN ORDER TO PREVENT SEDIMENTATION DOWNGRADENT. RESEED AND RE-MULCH AS REQUIRED TO STABILIZE STOCKPILES.
- INSPECT GRASS RESTORED AREAS. REVEGETATE ANY ERODED OR DISTURBED AREAS TO PROVIDE PERMANENT STABILIZATION. RESEED AND/OR REVEGETATE ANY AREAS THAT DO NOT HAVE A SUITABLE STAND OF GRASS OR ANY SCOURED AREAS TO PROVIDE PERMANENT STABILIZATION.
- INSPECT ANTI-TRACKING PAD. REMOVE AND DISPOSE OF PAD AND REPLACE IF PAD IS NO LONGER FUNCTIONING EFFICIENTLY OR ACCUMULATED SEDIMENT IS TO A DEPTH OF 2" BELOW THE STONE SURFACE.
- INSPECT ALL STONE CHECK DAMS, TEMPORARY DIVERSIONS, AND WATER BARS. REMOVE ACCUMULATED SEDIMENT IF REQUIRED (BLOCKING MORE THAN 3" DEPTH OF FLOW).
- INSPECT ALL TEMPORARY AND PERMANENT STORMWATER BASINS. REMOVE ACCUMULATED SEDIMENT IF REQUIRED (GREATER THAN 6" DEPTH). REVEGETATE IF NECESSARY TO PROVIDE STABILIZATION.
- INSPECT DOWNGRADENT AREAS OF ALL STORMWATER DISCHARGES AND DEVELOPMENT AREAS. STABILIZE ANY ERODED AREAS IF FOUND.

EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMP'S)

MINIMIZE DISTURBED AREA AND PROTECT NATURAL FEATURES AND SOIL

TOPSOIL:

TOPSOIL WILL BE REMOVED AND STOCKPILED ON SITE AND UTILIZED FOR FINAL GRADING. ADDITIONAL TOPSOIL IF REQUIRED, WILL BE SUPPLIED FROM OFF-SITE SOURCES. EXCESS MATERIALS RESULTING FROM "CUT SOILS" IN THE AREAS OF THE PROPOSED CONSTRUCTION THAT ARE NOT INTENDED FOR REUSE WILL BE IMMEDIATELY REMOVED FROM THE SITE. WHEN SOIL IS STOCKPILED, THE SLOPE OF THE STOCKPILE WILL NOT EXCEED 2 HORIZONTAL TO 1 VERTICAL. GRUBBING OF STUMPS SHALL BE COMPLETED BY PHASE TO MINIMIZE AMOUNT OF DISTURBED SOILS. AT LEAST ONE SCHEDULED OFF-SITE STOCKPILED TOPSOIL WILL BE STOCKPILED ON SITE. SEDIMENT FENCE WILL BE PLACED AROUND ANY STOCKPILES THAT ARE NOT IMMEDIATELY REMOVED FROM THE SITE TO PROTECT THE EXISTING DRAINAGE DITCHES AND OFF SITE AREAS.

MAINTENANCE AND INSPECTION: THE CUT AND FILL AREAS WILL BE INSPECTED WEEKLY FOR EROSION. THESE AREAS WILL BE STABILIZED IMMEDIATELY WITH EROSION CONTROLS OR GRADED TO AVOID POSSIBLE DISTURBANCE TO THE EXISTING DRAINAGE DITCHES OR OFF SITE AREAS. SEE ALSO MAINTENANCE AND INSPECTION PROCEDURES FOR SILT FENCE.

CONTROL STORMWATER FLOWING ONTO AND THROUGH THE PROJECT

AREA FOR SILT TO ACCUMULATE:

BMP INSTALLATION SCHEDULE: BEFORE ANY GRADING OPERATIONS BEGIN, A WOOD CHIP BERM OR SEDIMENT FENCE WILL BE INSTALLED ADJACENT TO THE AREAS UNDER CONSTRUCTION JUST OUTSIDE THE LIMITS OF DISTURBANCE. OTHER ADJACENT OFF SITE AREAS WILL ALWAYS BE PROTECTED BY A SEDIMENT FENCE OR ANOTHER BMP UNTIL FINAL STABILIZATION IS ACHIEVED. SILT FENCE IS ALSO PROPOSED UPGRADEMENT OF DISTURBED AREAS TO MINIMIZE CLEAN RUNOFF ENTERING THE PROJECT AREA.

MAINTENANCE AND INSPECTION: THE GRADED AREAS AND SEDIMENT FENCE WILL BE INSPECTED WEEKLY TO ENSURE THAT THERE ARE NO STRUCTURAL FAILURES AND IMMEDIATELY AFTER RAIN EVENTS.

CONSTRUCTION SPECIFICATIONS

WOOD CHIP BERM: THE MATERIAL FOR WOOD CHIP BERMS WILL BE ACQUIRED IN CONJUNCTION WITH THE REMOVAL AND CHIPPING OF TREES LOCATED WITHIN THE PROJECT AREA. INSTALLATION: ERECT WOOD CHIP BERM IN A CONTINUOUS FASHION AT THE SPECIFIED HEIGHT AND WIDTH. MAINTENANCE: 1. SEDIMENT SHOULD BE REMOVED ONCE IT HAS ACCUMULATED TO A DEPTH OF 4". 2. BERM SHOULD BE REPAIRED IF IT HAS BEEN BREACHED. 3. BERM CAN BE LEFT IN PLACE PERMANENTLY AND LEFT TO DETERIORATE. 4. ALL SEDIMENT ACCUMULATED AT THE BERM SHOULD BE REMOVED AND PROPERLY DISPOSED OF IF THE BERM IS TO BE REMOVED.

SEDIMENT FENCE: 1. THE MATERIAL FOR SEDIMENT FENCES SHOULD BE A PERVIOUS SHEET OF SYNTHETIC FABRIC SUCH AS POLYPROPYLENE, NYLON, POLYESTER, OR POLYETHYLENE YARN. 2. THE STAKES USED TO ANCHOR THE FILTER FABRIC SHOULD BE WOOD OR METAL. WOODEN STAKES SHOULD BE AT LEAST 3 FEET LONG AND HAVE A MINIMUM DIAMETER OF 2 INCHES IF A HARDWOOD LIKE OAK IS USED. STAKES FROM SOFT WOODS LIKE PINE SHOULD BE AT LEAST 4 INCHES IN DIAMETER. 3. EACH SECTION OF FABRIC SHALL BE A ROLL OF FABRIC TO ELIMINATE GAPS AT THE STAKES. IF A CONTINUOUS ROLL OF FABRIC IS NOT AVAILABLE, OVERLAP THE FABRIC FROM BOTH DIRECTIONS ONLY AT THE STAKES OR POSTS. OVERLAP AT LEAST 6 INCHES. EXCAVATE A TRENCH TO BURY THE BOTTOM OF THE FABRIC FENCE AT LEAST 6 INCHES BELOW THE GROUND SURFACE. THIS HELPS TO PREVENT GAPS FROM FORMING NEAR THE GROUND SURFACE. GAPS WOULD MAKE THE FENCING LESS AS A SEDIMENT BARRIER. 4. THE HEIGHT OF THE FENCE POSTS SHOULD BE 16 TO 34 INCHES ABOVE THE ORIGINAL GROUND SURFACE. SPACE THE POSTS NO MORE THAN 10 FEET APART. 5. THE FENCE SHOULD BE DESIGNED TO WITHSTAND THE RUNOFF FROM A 10-YEAR PEAK STORM EVENT. ONCE INSTALLED, IT SHOULD REMAIN IN PLACE UNTIL ALL AREAS UPSLOPE HAVE BEEN PERMANENTLY STABILIZED BY VEGETATION OR OTHER MEANS.

INSTALLATION: 1. DIG A 6" DEEP TRENCH ON THE UPHILL SIDE OF THE PROPOSED BARRIER LOCATION. 2. POSITION THE POSTS ON THE DOWNHILL SIDE OF THE FABRIC BARRIER AND DRIVE THE POST 12" INTO THE GROUND. 3. LAY THE BOTTOM 6" OF THE FABRIC BARRIER IN THE TRENCH TO PREVENT UNDERMINING AND BACKFILL COMPACT BACKFILLED SOILS. MAINTENANCE: 1. SEDIMENT SHOULD BE REMOVED ONCE IT HAS ACCUMULATED TO 4" DEPTH. 2. FILTER FABRIC SHOULD BE REPLACED WHENEVER IT HAS DETERIORATED TO SUCH AN EXTENT THAT THE EFFECTIVENESS OF THE FABRIC IS REDUCED (APPROXIMATELY SIX MONTHS). 3. SEDIMENT FENCE SHOULD REMAIN IN PLACE UNTIL DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED. 4. ALL SEDIMENT ACCUMULATED AT THE FENCE SHOULD BE REMOVED AND PROPERLY DISPOSED OF BEFORE THE FENCE IS REMOVED.

INSPECTION: 1. THE MATERIAL FOR SEDIMENT FENCES SHOULD BE A PERVIOUS SHEET OF SYNTHETIC FABRIC SUCH AS POLYPROPYLENE, NYLON, POLYESTER, OR POLYETHYLENE YARN. 2. THE STAKES USED TO ANCHOR THE FILTER FABRIC SHOULD BE WOOD OR METAL. WOODEN STAKES SHOULD BE AT LEAST 3 FEET LONG AND HAVE A MINIMUM DIAMETER OF 2 INCHES IF A HARDWOOD LIKE OAK IS USED. STAKES FROM SOFT WOODS LIKE PINE SHOULD BE AT LEAST 4 INCHES IN DIAMETER. 3. EACH SECTION OF FABRIC SHALL BE A ROLL OF FABRIC TO ELIMINATE GAPS AT THE STAKES. IF A CONTINUOUS ROLL OF FABRIC IS NOT AVAILABLE, OVERLAP THE FABRIC FROM BOTH DIRECTIONS ONLY AT THE STAKES OR POSTS. OVERLAP AT LEAST 6 INCHES. EXCAVATE A TRENCH TO BURY THE BOTTOM OF THE FABRIC FENCE AT LEAST 6 INCHES BELOW THE GROUND SURFACE. THIS HELPS TO PREVENT GAPS FROM FORMING NEAR THE GROUND SURFACE. GAPS WOULD MAKE THE FENCING LESS AS A SEDIMENT BARRIER. 4. THE HEIGHT OF THE FENCE POSTS SHOULD BE 16 TO 34 INCHES ABOVE THE ORIGINAL GROUND SURFACE. SPACE THE POSTS NO MORE THAN 10 FEET APART. 5. THE FENCE SHOULD BE DESIGNED TO WITHSTAND THE RUNOFF FROM A 10-YEAR PEAK STORM EVENT. ONCE INSTALLED, IT SHOULD REMAIN IN PLACE UNTIL ALL AREAS UPSLOPE HAVE BEEN PERMANENTLY STABILIZED BY VEGETATION OR OTHER MEANS.

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INSTALLATION: 1. DIG A 6" DEEP TRENCH ON THE UPHILL SIDE OF THE PROPOSED BARRIER LOCATION. 2. POSITION THE POSTS ON THE DOWNHILL SIDE OF THE FABRIC BARRIER AND DRIVE THE POST 12" INTO THE GROUND. 3. LAY THE BOTTOM 6" OF THE FABRIC BARRIER IN THE TRENCH TO PREVENT UNDERMINING AND BACKFILL COMPACT BACKFILLED SOILS. MAINTENANCE: 1. SEDIMENT SHOULD BE REMOVED ONCE IT HAS ACCUMULATED TO 4" DEPTH. 2. FILTER FABRIC SHOULD BE REPLACED WHENEVER IT HAS DETERIORATED TO SUCH AN EXTENT THAT THE EFFECTIVENESS OF THE FABRIC IS REDUCED (APPROXIMATELY SIX MONTHS). 3. SEDIMENT FENCE SHOULD REMAIN IN PLACE UNTIL DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED. 4. ALL SEDIMENT ACCUMULATED AT THE FENCE SHOULD BE REMOVED AND PROPERLY DISPOSED OF BEFORE THE FENCE IS REMOVED.

INSPECTION: 1. THE MATERIAL FOR SEDIMENT FENCES SHOULD BE A PERVIOUS SHEET OF SYNTHETIC FABRIC SUCH AS POLYPROPYLENE, NYLON, POLYESTER, OR POLYETHYLENE YARN. 2. THE STAKES USED TO ANCHOR THE FILTER FABRIC SHOULD BE WOOD OR METAL. WOODEN STAKES SHOULD BE AT LEAST 3 FEET LONG AND HAVE A MINIMUM DIAMETER OF 2 INCHES IF A HARDWOOD LIKE OAK IS USED. STAKES FROM SOFT WOODS LIKE PINE SHOULD BE AT LEAST 4 INCHES IN DIAMETER. 3. EACH SECTION OF FABRIC SHALL BE A ROLL OF FABRIC TO ELIMINATE GAPS AT THE STAKES. IF A CONTINUOUS ROLL OF FABRIC IS NOT AVAILABLE, OVERLAP THE FABRIC FROM BOTH DIRECTIONS ONLY AT THE STAKES OR POSTS. OVERLAP AT LEAST 6 INCHES. EXCAVATE A TRENCH TO BURY THE BOTTOM OF THE FABRIC FENCE AT LEAST 6 INCHES BELOW THE GROUND SURFACE. THIS HELPS TO PREVENT GAPS FROM FORMING NEAR THE GROUND SURFACE. GAPS WOULD MAKE THE FENCING LESS AS A SEDIMENT BARRIER. 4. THE HEIGHT OF THE FENCE POSTS SHOULD BE 16 TO 34 INCHES ABOVE THE ORIGINAL GROUND SURFACE. SPACE THE POSTS NO MORE THAN 10 FEET APART. 5. THE FENCE SHOULD BE DESIGNED TO WITHSTAND THE RUNOFF FROM A 10-YEAR PEAK STORM EVENT. ONCE INSTALLED, IT SHOULD REMAIN IN PLACE UNTIL ALL AREAS UPSLOPE HAVE BEEN PERMANENTLY STABILIZED BY VEGETATION OR OTHER MEANS.

INSTALLATION: 1. DIG A 6" DEEP TRENCH ON THE UPHILL SIDE OF THE PROPOSED BARRIER LOCATION. 2. POSITION THE POSTS ON THE DOWNHILL SIDE OF THE FABRIC BARRIER AND DRIVE THE POST 12" INTO THE GROUND. 3. LAY THE BOTTOM 6" OF THE FABRIC BARRIER IN THE TRENCH TO PREVENT UNDERMINING AND BACKFILL COMPACT BACKFILLED SOILS. MAINTENANCE: 1. SEDIMENT SHOULD BE REMOVED ONCE IT HAS ACCUMULATED TO 4" DEPTH. 2. FILTER FABRIC SHOULD BE REPLACED WHENEVER IT HAS DETERIORATED TO SUCH AN EXTENT THAT THE EFFECTIVENESS OF THE FABRIC IS REDUCED (APPROXIMATELY SIX MONTHS). 3. SEDIMENT FENCE SHOULD REMAIN IN PLACE UNTIL DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED. 4. ALL SEDIMENT ACCUMULATED AT THE FENCE SHOULD BE REMOVED AND PROPERLY DISPOSED OF BEFORE THE FENCE IS REMOVED.

INSPECTION: 1. THE MATERIAL FOR SEDIMENT FENCES SHOULD BE A PERVIOUS SHEET OF SYNTHETIC FABRIC SUCH AS POLYPROPYLENE, NYLON, POLYESTER, OR POLYETHYLENE YARN. 2. THE STAKES USED TO ANCHOR THE FILTER FABRIC SHOULD BE WOOD OR METAL. WOODEN STAKES SHOULD BE AT LEAST 3 FEET LONG AND HAVE A MINIMUM DIAMETER OF 2 INCHES IF A HARDWOOD LIKE OAK IS USED. STAKES FROM SOFT WOODS LIKE PINE SHOULD BE AT LEAST 4 INCHES IN DIAMETER. 3. EACH SECTION OF FABRIC SHALL BE A ROLL OF FABRIC TO ELIMINATE GAPS AT THE STAKES. IF A CONTINUOUS ROLL OF FABRIC IS NOT AVAILABLE, OVERLAP THE FABRIC FROM BOTH DIRECTIONS ONLY AT THE STAKES OR POSTS. OVERLAP AT LEAST 6 INCHES. EXCAVATE A TRENCH TO BURY THE BOTTOM OF THE FABRIC FENCE AT LEAST 6 INCHES BELOW THE GROUND SURFACE. THIS HELPS TO PREVENT GAPS FROM FORMING NEAR THE GROUND SURFACE. GAPS WOULD MAKE THE FENCING LESS AS A SEDIMENT BARRIER. 4. THE HEIGHT OF THE FENCE POSTS SHOULD BE 16 TO 34 INCHES ABOVE THE ORIGINAL GROUND SURFACE. SPACE THE POSTS NO MORE THAN 10 FEET APART. 5. THE FENCE SHOULD BE DESIGNED TO WITHSTAND THE RUNOFF FROM A 10-YEAR PEAK STORM EVENT. ONCE INSTALLED, IT SHOULD REMAIN IN PLACE UNTIL ALL AREAS UPSLOPE HAVE BEEN PERMANENTLY STABILIZED BY VEGETATION OR OTHER MEANS.

- 1. INSPECT SEDIMENT FENCE BEFORE ANTICIPATED STORM EVENTS (OR SERIES OF STORM EVENTS SUCH AS INTERMITTENT SHOWERS OVER ONE OR MORE DAYS) AND WITHIN 24 HOURS AFTER THE END OF A STORM EVENT OF 0.5 INCHES OR GREATER, AND AT LEAST ONCE EVERY SEVEN CALENDAR DAYS, AT LEAST 72 HOURS APART.
2. WHERE SITES HAVE BEEN FINALLY OR TEMPORARILY STABILIZED, SUCH INSPECTIONS MAY BE CONDUCTED ONCE PER MONTH.

HAY/STRAW BALE BARRIER

INSTALLATION: 1. EXCAVATE TRENCH 4" AND PLACE MATERIAL UPSLOPE OF TRENCH. 2. PLACE BALES IN A SINGLE ROW IN THE TRENCH, LENGTHWISE, WITH ENDS OF ADJACENT BALES TIGHTLY ABUTTING ONE ANOTHER AND THE ENDINGS ORIENTED AROUND THE SIDES RATHER THAN ALONG THE TOPS AND BOTTOMS OF THE BALES TO AVOID PREATURE ROTTING OF THE ENDINGS). 3. ANCHOR EACH BALE WITH AT LEAST 2 STAKES DRIVEN THE FIRST STAKE IN EACH BALE TOWARD THE PREVIOUSLY LAID BALE TO FORCE THE BALES TOGETHER. STAKES MUST BE DRIVEN A MINIMUM OF 18 INCHES INTO THE GROUND. FILL ANY GAPS BETWEEN THE BALES WITH STRAW TO PREVENT WATER FROM ESCAPING BETWEEN THE BALES. 4. BACKFILL THE BALES WITH THE EXCAVATED TRENCH MATERIAL TO A MINIMUM DEPTH OF 4 INCHES ON THE UPHILL SIDE OF THE BALES. TAMP BY HAND OR MACHINE AND COMPACT THE SOIL LOOSE HAY/STRAW SCATTERED OVER THE DISTURBED AREA IMMEDIATELY UPHILL FROM THE HAY BALE BARRIER TENDS TO INCREASE BARRIER EFFICIENCY.

MAINTENANCE 1. INSPECT THE HAY/STRAW BALE BARRIER AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF THE END OF A STORM WITH A RAINFALL AMOUNT OF 0.5 INCH OR GREATER TO DETERMINE MAINTENANCE NEEDS. FOR DEWATERING OPERATIONS, INSPECT FREQUENTLY BEFORE, DURING, AND AFTER PUMPING OPERATIONS. REMOVE THE SEDIMENT DEPOSITS WHEN SEDIMENT DEPOSITS REACH APPROXIMATELY ONE HALF THE HEIGHT OF THE BARRIER. 2. REPLACE OR REPAIR THE BARRIER WITHIN 24 HOURS OF OBSERVED FAILURE. FAILURE OF THE BARRIER HAS OCCURRED WHEN SEDIMENT FAILS TO BE RETAINED BY THE BARRIER BECAUSE: (a) THE BARRIER HAS BEEN OVERTOPPED, UNDERCUT OR BYPASSED BY RUNOFF WATER, (b) THE BARRIER HAS BEEN MOVED OUT OF POSITION, OR (c) THE BALES HAVE DETERIORATED OR BEEN DAMAGED.

3. WHEN REPETITIVE FAILURES OCCUR AT THE SAME LOCATION, REVIEW CONDITIONS AND LIMITATIONS FOR USE AND DETERMINE IF ADDITIONAL CONTROLS ARE NEEDED TO REDUCE FAILURE RATE OR REPLACE HAY/STRAW BALE BARRIER. 4. MAINTAIN THE HAY/STRAW BALE BARRIER UNTIL THE CONTRIBUTING AREA IS STABILIZED. AFTER THE UPSLOPE AREAS HAVE BEEN PERMANENTLY STABILIZED, PULL THE STAKES OUT OF THE HAY BALES. REMOVE SEDIMENT.

DUST CONTROL: JUST FROM THE SITE WILL BE CONTROLLED BY USING A MOBILE PRESSURE-TYPE DISTRIBUTOR TRUCK THAT WILL APPLY POTABLE WATER AT RATE OF 300 GALLONS PER ACRE AND MINIMIZED AS NEEDED TO AVOID PONDING. INSTALLATION SCHEDULE: DUST CONTROL WILL BE IMPLEMENTED AS NEEDED ONCE SITE GRADING HAS BEEN INITIATED, AND DURING WINDY CONDITIONS EXCEEDING 20MPH, WHILE SITE GRADING IS OCCURRING. SPRAYING OF POTABLE WATER WILL BE PERFORMED ONCE PER DAY DURING THE MONTHS OF MARCH THROUGH MAY AND NO MORE THAN THREE TIMES PER DAY FROM JUNE TO SEPTEMBER OR WHENEVER DRYNESS OF SOIL WARRANTS IT.

MAINTENANCE SCHEDULE: AT LEAST ONE MOBILE UNIT WILL BE AVAILABLE AT ALL TIMES DURING CONSTRUCTION TO APPLY POTABLE WATER. EACH MOBILE UNIT SHALL BE EQUIPPED WITH A POSITIVE SHUTOFF VALVE TO PREVENT OVER WATERING OF DISTURBED AREAS.

RETAIN SEDIMENT ON-SITE AND CONTROL DEWATERING PRACTICES SIZE AND CONSTRUCT THE BASIN IN ACCORDANCE WITH THE REQUIREMENTS OF THE "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL, MAY 2002".

SITE PREPARATION: CLEAR, GRUB AND STRIP TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS, OR OTHER UNSUITABLE MATERIAL FROM AREAS UNDER THE EMBANKMENT OR ANY STRUCTURAL WORK PLANNED TO BE BUILT ON THE BASIN. CLEAR AND GRUB THE AREA OF MOST FREQUENT INUNDATION (MEASURED FROM THE TOP OF THE OUTLET CONTROL STRUCTURE) OF ALL BRUSH AND TREES TO FACILITATE CLEAN OUT AND RESTORATION. INSTALL SEDIMENT CONTROLS FOR CONTRIBUTING AREAS. INSTALL SEDIMENT CONTROLS TO TRAP SEDIMENT BEFORE IT ENTERS AND LEAVES THE DETENTION BASIN CONSTRUCTION SITE. STABILIZE THE BASIN IN ACCORDANCE WITH THE ENGINEERED DESIGN. STABILIZE THE SPOIL AND BORROW AREAS, AND OTHER DISTURBED AREAS IN ACCORDANCE WITH THE TEMPORARY SEEDING OR PERMANENT SEEDING, WHICHEVER IS APPLICABLE. INSTALL SAFETY FEATURES AND DEVICES TO PROTECT HUMANS AND ANIMALS FROM SUCH ACCIDENTS AS FALLING OR DROWNING. TEMPORARY FENCING CAN BE USED UNTIL BARRIER PLANTINGS ARE ESTABLISHED. USE PROTECTIVE MEASURES SUCH AS GUARDRAILS AND FENCES ON SPILLWAYS AND IMPROVEMENTS AS NEEDED.

MAINTENANCE: INSPECT THE TEMPORARY SEDIMENT BASIN AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF THE END OF A STORM WITH A RAINFALL AMOUNT OF 0.5 INCHES OR GREATER TO DETERMINE CONDITIONS IN THE BASIN. CLEAN THE BASIN OF COLLECTED SEDIMENTS WHEN SEDIMENT ACCUMULATES 6 INCHES. SEDIMENT LEVELS SHALL BE MARKED WITHIN THE SEDIMENT STORAGE AREA BY STAKES OR OTHER MEANS SHOWING THE THRESHOLD ELEVATION FOR SEDIMENT CLEANOUT. PRIOR TO THE REMOVAL OF SEDIMENTS, DEWATER THE BASIN THROUGH PUMPING OR OTHER MEANS TO EXPOSE PREVIOUSLY SUBMERGED SEDIMENTS. DO NOT ALLOW SEDIMENT TO FLOSH INTO THE DRAINAGEWAY. STOCKPILE THE SEDIMENT IN SUCH A MANNER THAT IT WILL NOT ERODE FROM THE SITE OR INTO A WETLAND, WATERCOURSE OR OTHER SENSITIVE AREA.

TEMPORARY SEDIMENT BASIN BOTTOM SHALL BE 2 FEET ABOVE THE PROPOSED BOTTOM OF THE PERMANENT STORMWATER BASIN. THE STORMWATER BASIN SHALL BE EXCAVATED TO DESIGN GRADES ONLY AFTER ALL UPGRADED AREAS HAVE BEEN STABILIZED AND BEFORE FINAL PAVING.

DEWATERING: BMP DESCRIPTION/INSTALLATION: IN THE EVENT GROUNDWATER IS ENCOUNTERED DURING CONSTRUCTION, DEWATERING MAY BE REQUIRED THROUGH THE USE OF SUMP PUMPS. INSTALLATION OF SUMPS SHALL FOLLOW THE REQUIREMENTS OF THE SUMP PIT. THE PURPOSE OF THIS PRACTICE IS TO REMOVE EXCESSIVE WATER FROM EXCAVATIONS IN A MANNER THAT IMPROVES THE QUALITY OF THE WATER BEING PUMPED. PUMPED WATER SHALL BE DISCHARGED TO AN APPROVED FILTERING SYSTEM.

CONSTRUCTION SPECIFICATIONS SUMP PIT 1. A PERFORATED VERTICAL STANDPIPE SHALL BE PLACED IN THE CENTER OF THE PIT TO COLLECT FILTERED WATER. THE STANDPIPE SHALL BE SLOTTED OR PERFORATED CORRUGATED METAL OR PVC PIPE AND ITS DIAMETER AND NUMBER OF PERFORATIONS SHALL BE COMPATIBLE WITH THE PUMP SIZE BEING USED. 2. WATER SHALL THEN BE PUMPED FROM THE CENTER OF THE PIPE TO A SUITABLE DISCHARGE AREA (SEDIMENT FILTER BAG OR DEWATERING SETTLING BASIN). 3. THE PIT SHALL BE FILLED WITH CRUSHED STONE OR GRAVEL NO SMALLER THAN CT DOT #67 SIZE NOR LARGER THAN CT DOT #1 SIZE. CRUSHED STONE SHALL EXTEND A MINIMUM OF 12" BELOW THE BOTTOM OF THE STANDPIPE. 4. DISCHARGE OF WATER PUMPED FROM THE STANDPIPE SHALL BE TO A SUITABLE PRACTICE SUCH AS A SEDIMENT FILTER BAG OR AN APPROVED DEWATERING SETTLING BASIN. 5. FILTER FABRIC SHALL BE WRAPPED AROUND THE STANDPIPE TO ENSURE CLEAN WATER DISCHARGE. IT IS RECOMMENDED THAT 1/4 TO 1/2 INCH HARDWARE CLOTH WIRE MESH BE WRAPPED AROUND AND SECURED TO THE STANDPIPE PRIOR TO ATTACHING THE FILTER FABRIC. THIS WILL INCREASE THE RATE OF WATER SEEPAGE INTO THE STANDPIPE.

SOIL STABILIZATION: TEMPORARY STABILIZATION: BMP DESCRIPTION: HYDROMULCHING WILL BE USED ON SLOPES WHERE CONSTRUCTION WILL CEASE FOR MORE THAN 14 DAYS AND OVER THE WINTER MONTHS TO STABILIZE ERODIBLE MATERIALS. HAY/STRAW MULCH AND WOOD FIBER WILL BE MIXED WITH A TACKIFIER AND APPLIED UNIFORMLY BY MACHINE WITH AN APPLICATION RATE OF 2 TONS (100-200 BALES) PER ACRE. THE CONTRACTOR WILL USE

**SPILL PREVENTION AND CONTROL
BEST MANAGEMENT PRACTICES (BMP'S) DESCRIPTION:**

1. MATERIAL HANDLING AND WASTE MANAGEMENT:

WASTE MATERIALS:

ALL WASTE MATERIALS WILL BE COLLECTED AND DISPOSED OF INTO METAL WASTE DUMPSTERS IN DESIGNATED AREAS. DUMPSTERS WILL HAVE A SECURE TIGHT LID, BE PLACED AWAY FROM STORM WATER DRAINS AND STRUCTURES, AND WILL MEET ALL FEDERAL, STATE, AND LOCAL REGULATIONS. ONLY TRASH AND CONSTRUCTION DEBRIS SHALL BE PLACED IN THE DUMPSTERS. CONSTRUCTION MATERIALS SHALL NOT BE BURIED ON SITE.

HAZARDOUS WASTE MATERIALS:

BMP DESCRIPTION: ALL HAZARDOUS WASTE MATERIALS INCLUDING OIL FILTERS, PETROLEUM PRODUCTS, PAINT, AND EQUIPMENT MAINTENANCE FLUIDS SHALL BE STORED IN STRUCTURALLY SOUND AND SEALED SHIPPING CONTAINERS IN A DESIGNATED AREA. HAZARDOUS WASTE MATERIALS SHALL BE STORED IN APPROPRIATE AND CLEARLY MARKED CONTAINERS AND SEGREGATED FROM OTHER NON-WASTE MATERIALS. SECONDARY CONTAINMENT SHALL BE PROVIDED FOR ALL WASTE MATERIALS IN A DESIGNATED AREA AND SHALL CONSIST OF COMMERCIALY AVAILABLE SPILL PALLETS OR EQUAL. ADDITIONALLY, ALL HAZARDOUS WASTE MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS. HAZARDOUS WASTE MATERIALS SHALL NOT BE DISPOSED OF INTO THE ON-SITE DUMPSTERS.

MAINTENANCE AND INSPECTION: THE HAZARDOUS WASTE MATERIALS AREA SHALL BE INSPECTED WEEKLY AND AFTER STORM EVENTS. THE STORAGE AREA SHALL BE KEPT CLEAN, WELL ORGANIZED AND EQUIPPED WITH AMPLIFIED CLEANUP SUPPLIES AS APPROPRIATE FOR THE MATERIALS BEING STORED. SAFETY DATA SHEETS, MATERIAL INVENTORY, AND EMERGENCY CONTACT NUMBERS SHALL BE MAINTAINED IN THE PROJECT OFFICE.

SANITARY WASTE:

BMP DESCRIPTION: PORTABLE TOILETS, LOCATED IN THE STAGING AREA, SHALL BE PROVIDED AT THE SITE THROUGHOUT THE CONSTRUCTION PHASE. THE TOILETS SHALL BE LOCATED AWAY FROM CONCENTRATED DRAINAGE FLOW PATHS AND SHALL HAVE COLLECTION PANS UNDERNEATH AS SECONDARY CONTAINMENT.

MAINTENANCE AND INSPECTION: SANITARY WASTE SHALL BE COLLECTED A MINIMUM OF ONCE A WEEK AND SHALL BE INSPECTED WEEKLY FOR EVIDENCE OF LEAKING HOLDING TANKS.

RECYCLING:

BMP DESCRIPTION: WOOD PALLETS, CARDBOARD BOXES, AND OTHER RECYCLABLE CONSTRUCTION SCRAPS SHALL BE DISPOSED OF IN A DESIGNATED DUMPSTER FOR RECYCLING. THE DUMPSTER SHALL HAVE A SECURE WATERTIGHT LID, BE PLACED AWAY FROM STORMWATER CONVEYANCES AND DRAINS AND MEET ALL LOCAL AND STATE SOLID-WASTE MANAGEMENT REGULATIONS. ONLY SOLID RECYCLABLE CONSTRUCTION SCRAPS FROM THE SITE SHALL BE DEPOSITED IN THE DESIGNATED DUMPSTER.

2. DESIGNATE WASHOUT AREAS:

CONCRETE WASHOUT

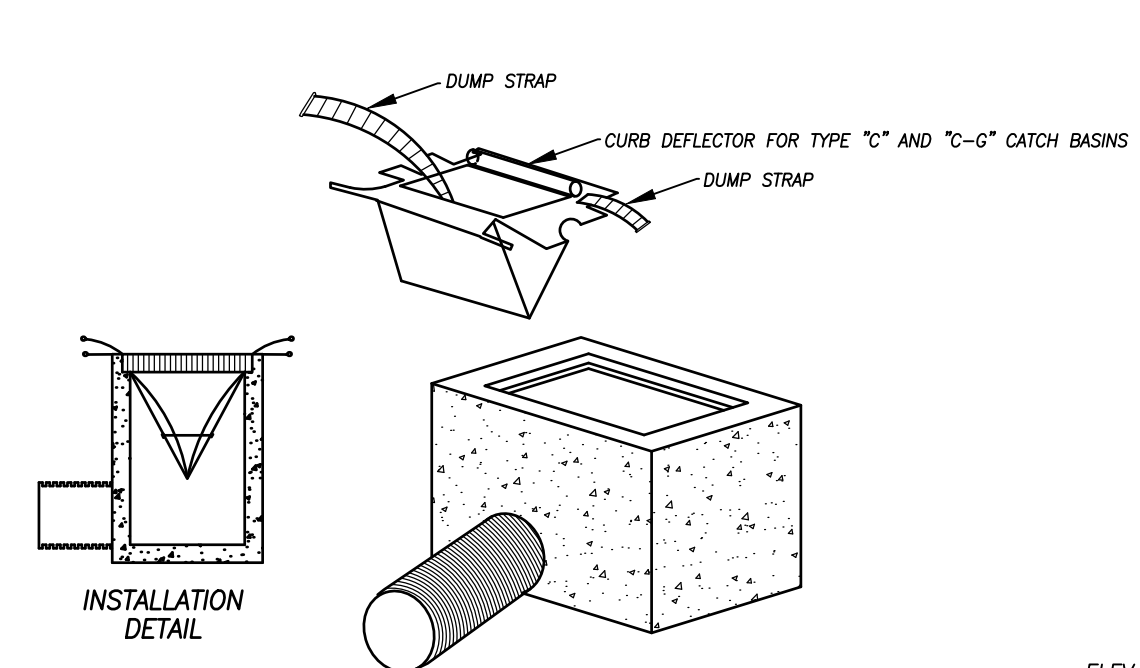
BMP DESCRIPTION: A DESIGNATED TEMPORARY, ABOVE-GRADE CONCRETE WASHOUT AREA SHALL BE CONSTRUCTED FOR CONCRETE WASHOUT. THE WASHOUT AREA SHALL BE LINED WITH PLASTIC SHEETING AT LEAST 10 MILS THICK AND REINFORCED WITH STEEL REBAR. CONCRETE POURS WILL NOT BE CONDUCTED DURING OR BEFORE AN ANTICIPATED STORM EVENT. CONCRETE MIXER TRUCKS AND CHUTES SHALL BE WASHED IN THE DESIGNATED WASHOUT AREA OR CONCRETE WASTES SHALL BE PROPERLY DISPOSED OF OFF-SITE. WHEN THE TEMPORARY WASHOUT AREA IS NO LONGER NEEDED FOR THE CONSTRUCTION PROJECT, THE HARDENED CONCRETE AND MATERIALS USED TO CONSTRUCT THE AREA WILL BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS, AND THE AREA SHALL BE STABILIZED.

INSTALLATION SCHEDULE: THE WASHOUT AREA SHALL BE CONSTRUCTED BEFORE CONCRETE POURS OCCUR AT THE SITE.

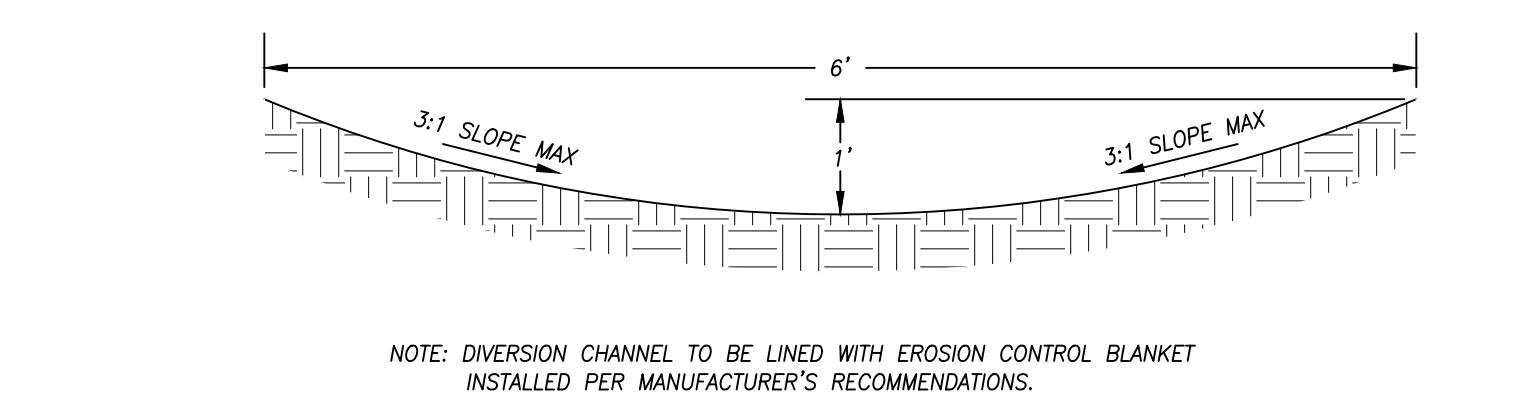
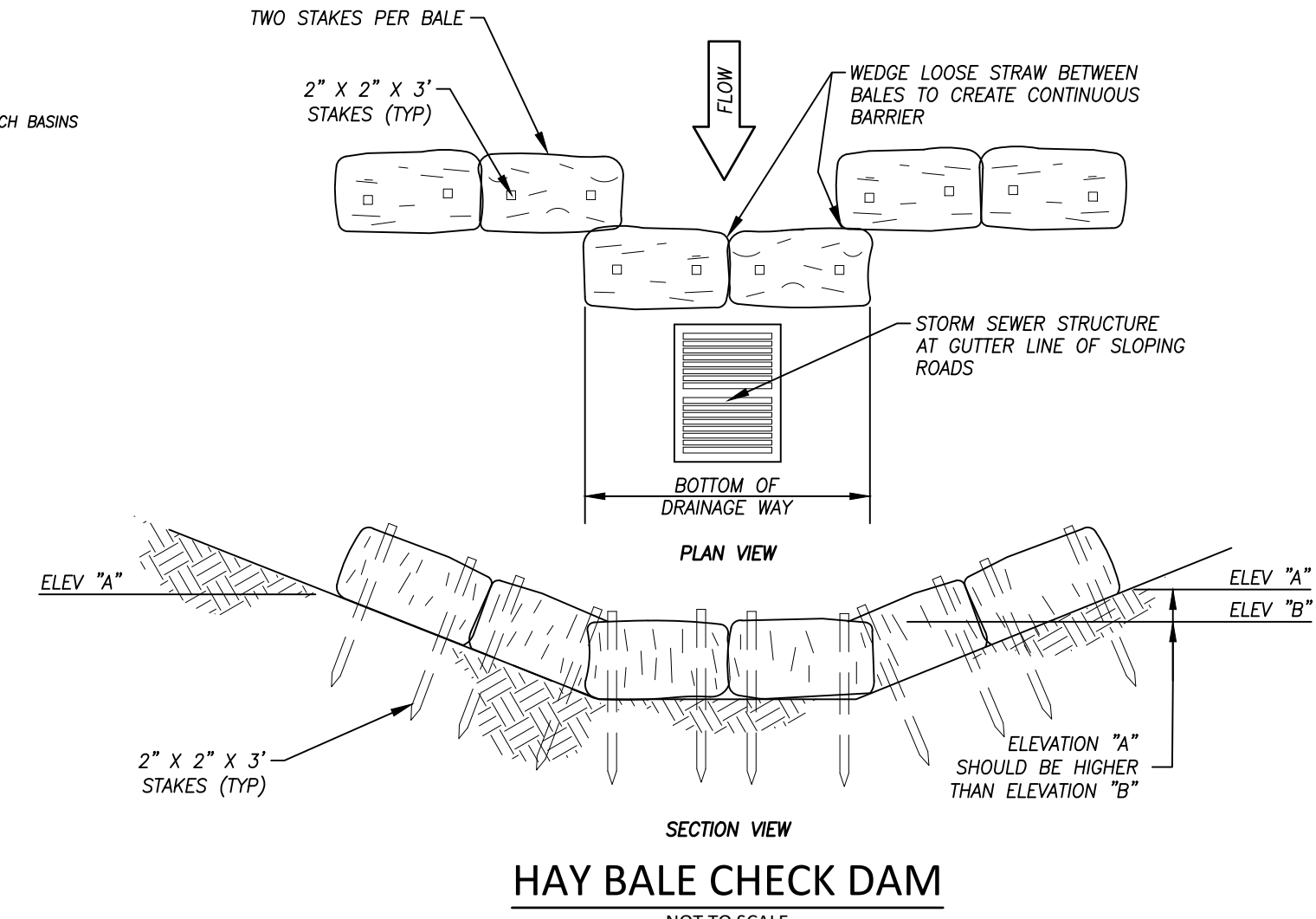
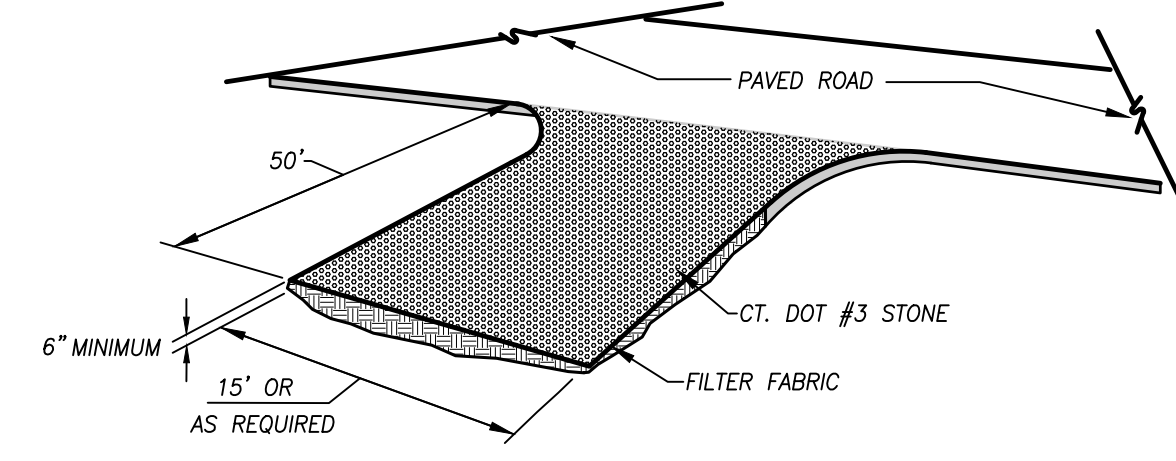
3. VEHICLE FUELING AND MAINTENANCE PRACTICES:

BMP DESCRIPTION: SEVERAL TYPES OF VEHICLES AND EQUIPMENT WILL BE USED ON-SITE THROUGHOUT THE PROJECT, INCLUDING GRADERS, EXCAVATORS, LOADERS, ROLLERS, TRUCKS AND TRAILERS, AND BACKHOES. EQUIPMENT MAINTENANCE AND FUELING SHALL BE PERFORMED IN THE STAGING AREA. THIS PROPOSED ACTIVITY SHALL BE SITUATED SO THAT DRAINAGE FACILITIES OR WATER COURSES LOCATED IN THE AREA ARE NOT AT RISK FROM POTENTIAL INFILTRATION, ABSORBENT, SPILL-CLEANUP MATERIALS AND SPILL KITS SHALL BE AVAILABLE AT THE COMBINED STAGING AND MATERIALS STORAGE AREA. FUEL SHALL BE DELIVERED TO THE SITE ON AN AS NEEDED BASIS BY A FUEL DELIVERY SERVICE. FUELING AND MINOR MAINTENANCE OF EQUIPMENT WILL ONLY OCCUR IN DESIGNATED FUELING AREAS ON AN IMPERVIOUS SURFACE. VEHICLE AND EQUIPMENT WASHING IS PROHIBITED ON SITE.

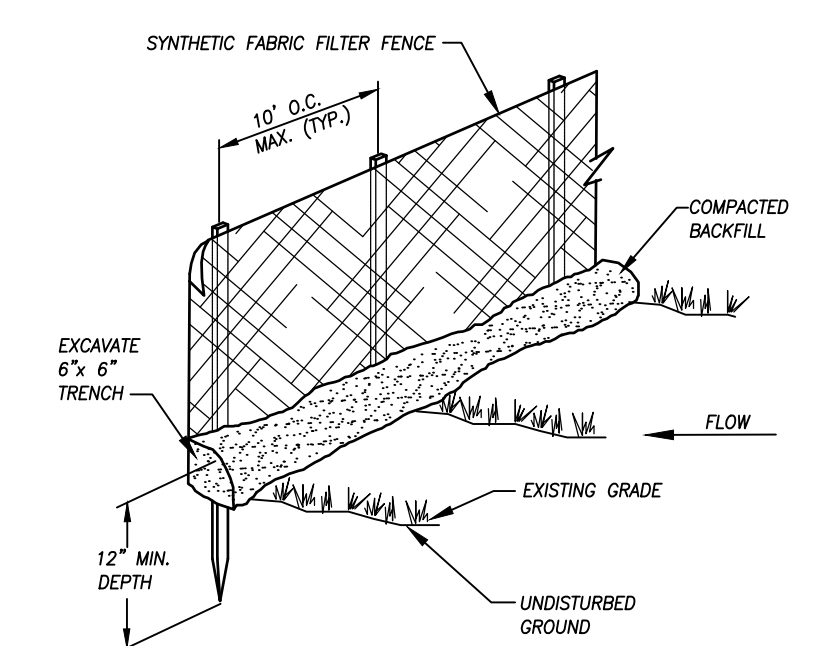
INSTALLATION SCHEDULE: BMP'S IMPLEMENTED FOR FUELING ACTIVITIES SHALL BEGIN AT THE START OF THE PROJECT.



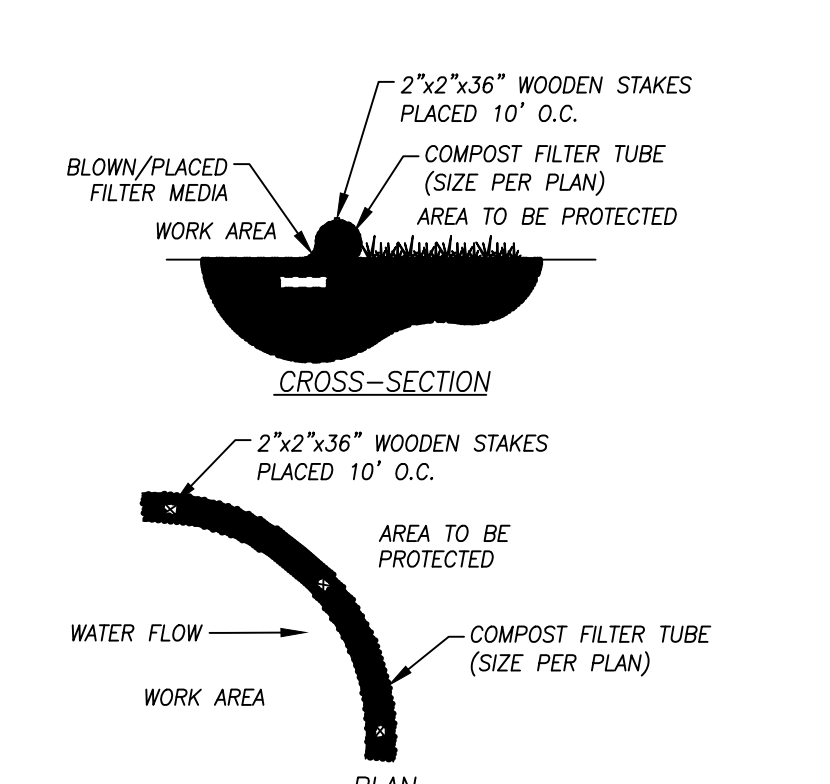
INLET SEDIMENT CONTROL DEVICE
NOT TO SCALE



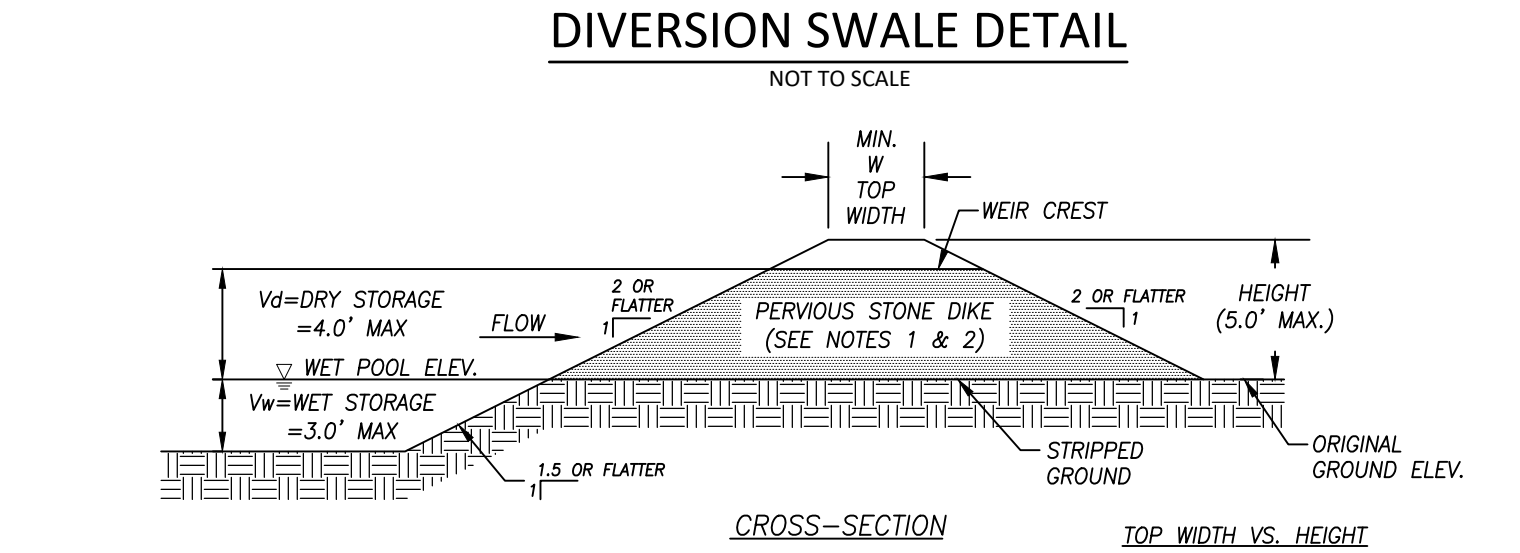
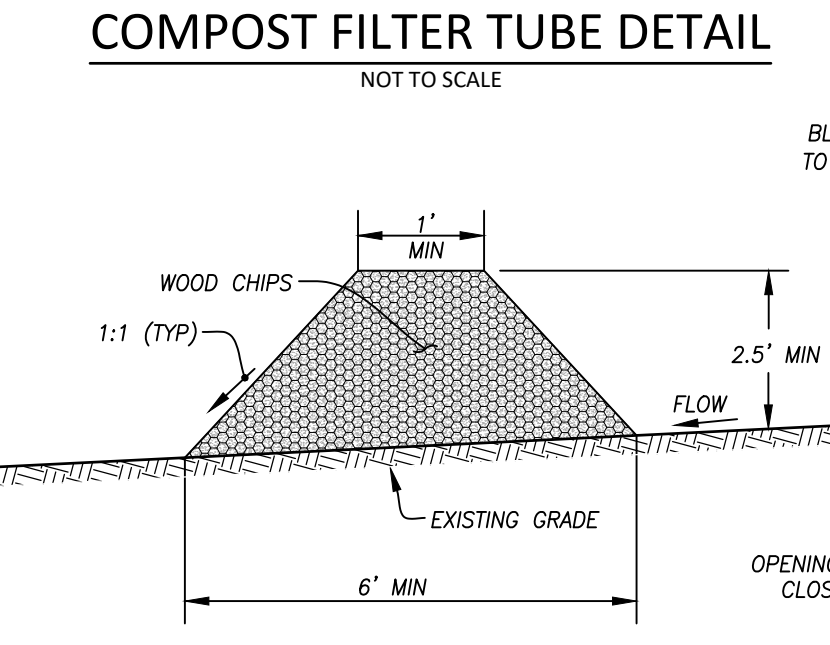
ANTI-TRACKING PAD
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SEDIMENT FENCE DETAIL
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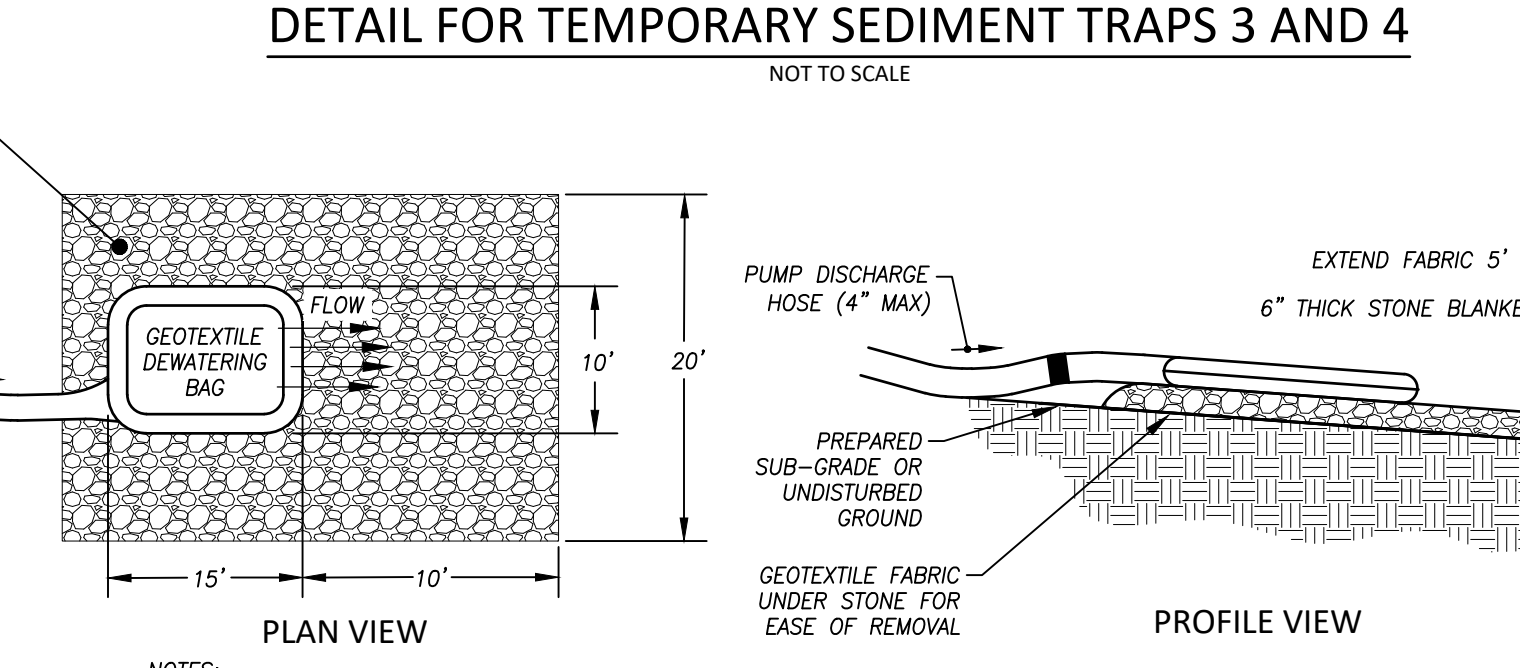
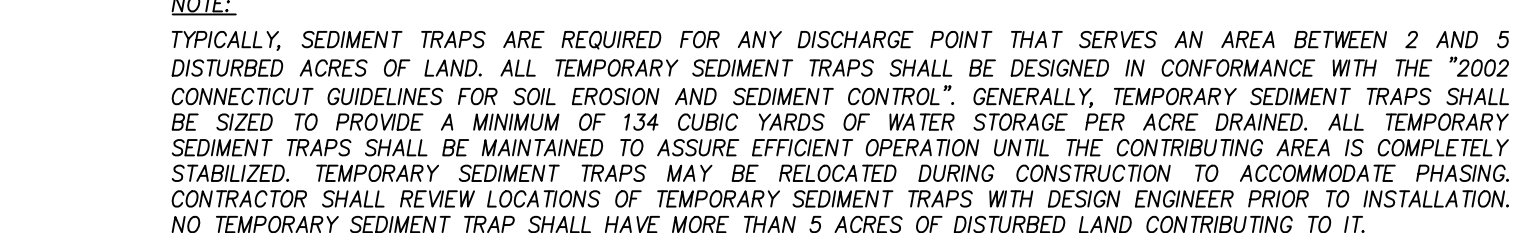
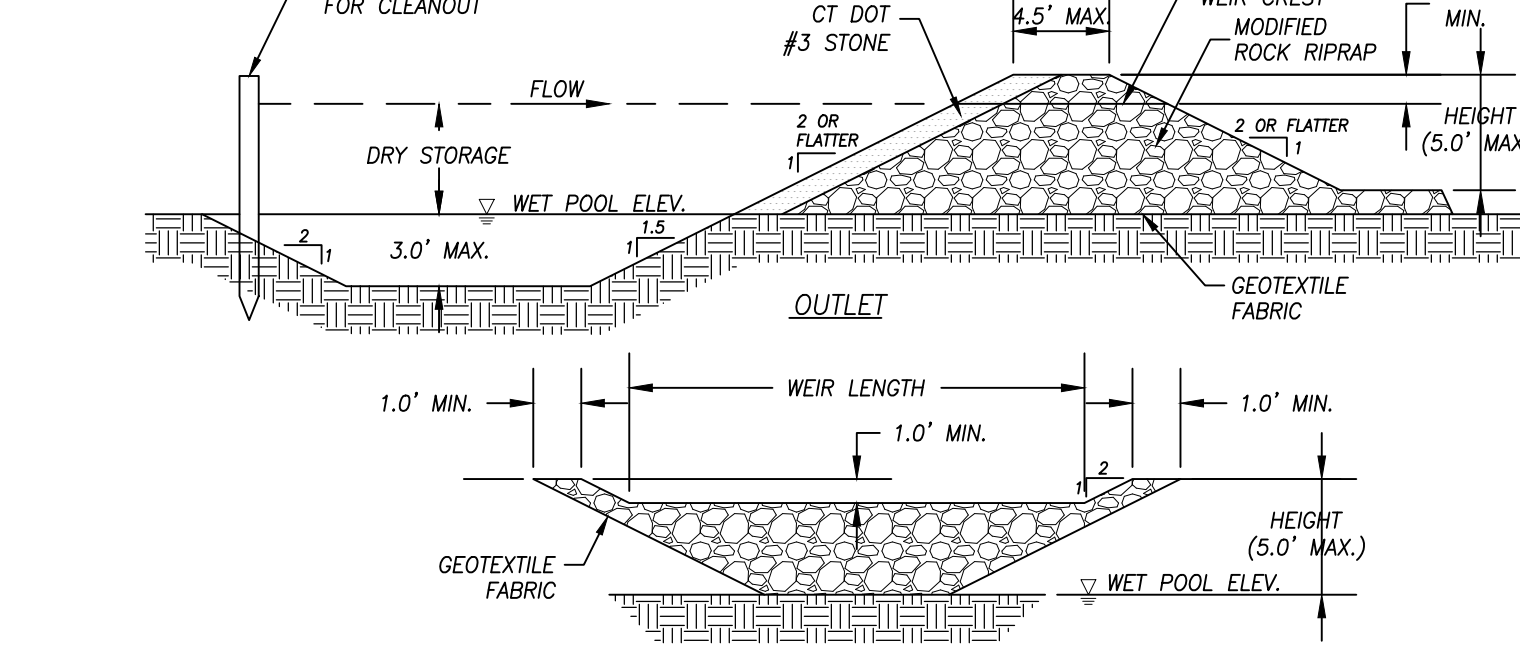


COMPOST FILTER TUBE DETAIL
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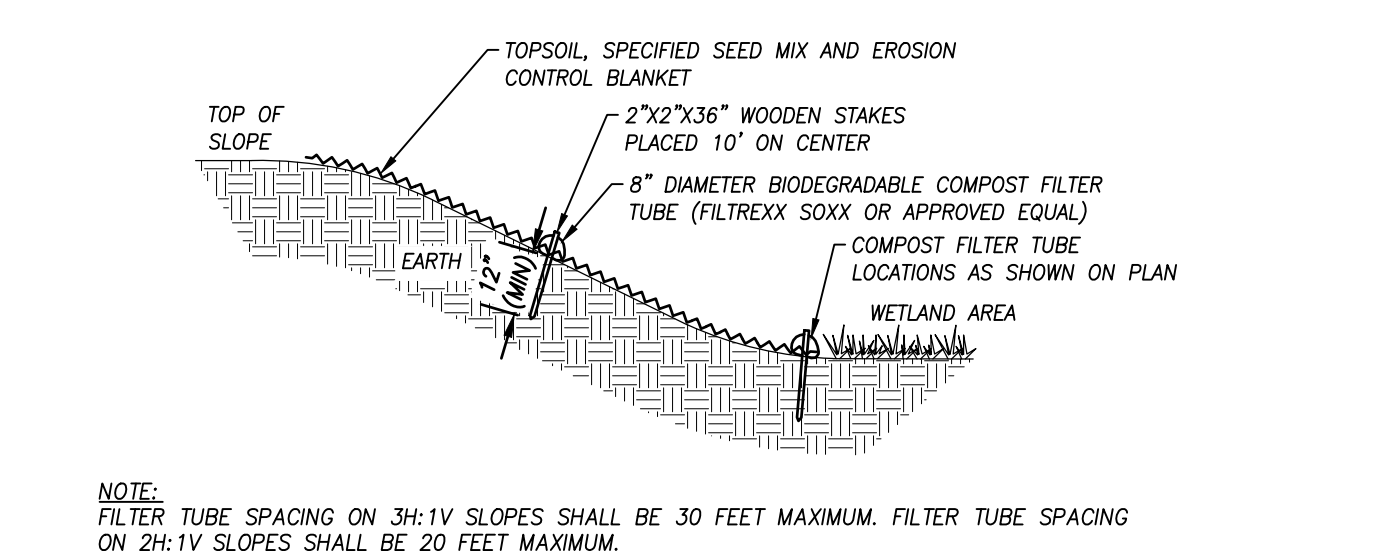


TOP WIDTH VS. HEIGHT

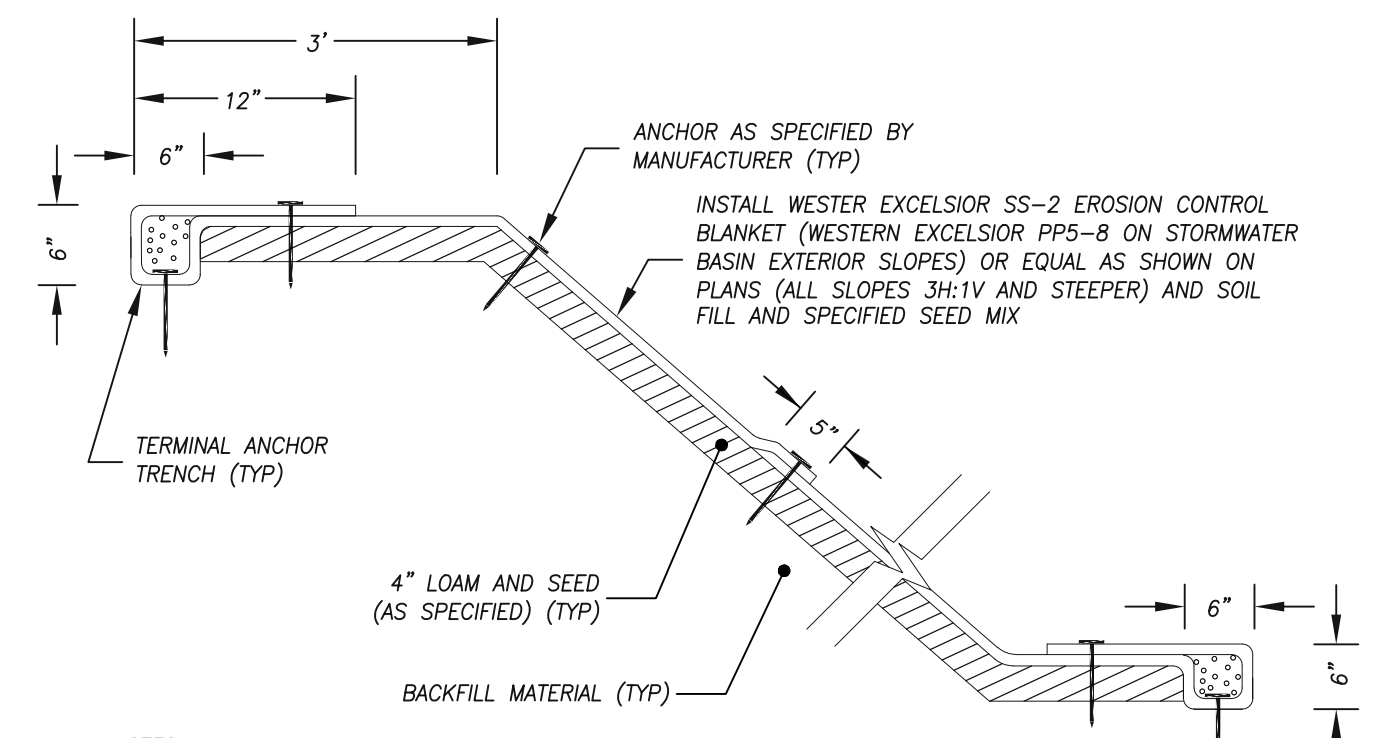
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2.0	2.0
2.5	2.5
3.0	2.5
3.5	3.0
4.0	3.0
4.5	4.0
5.0	4.5



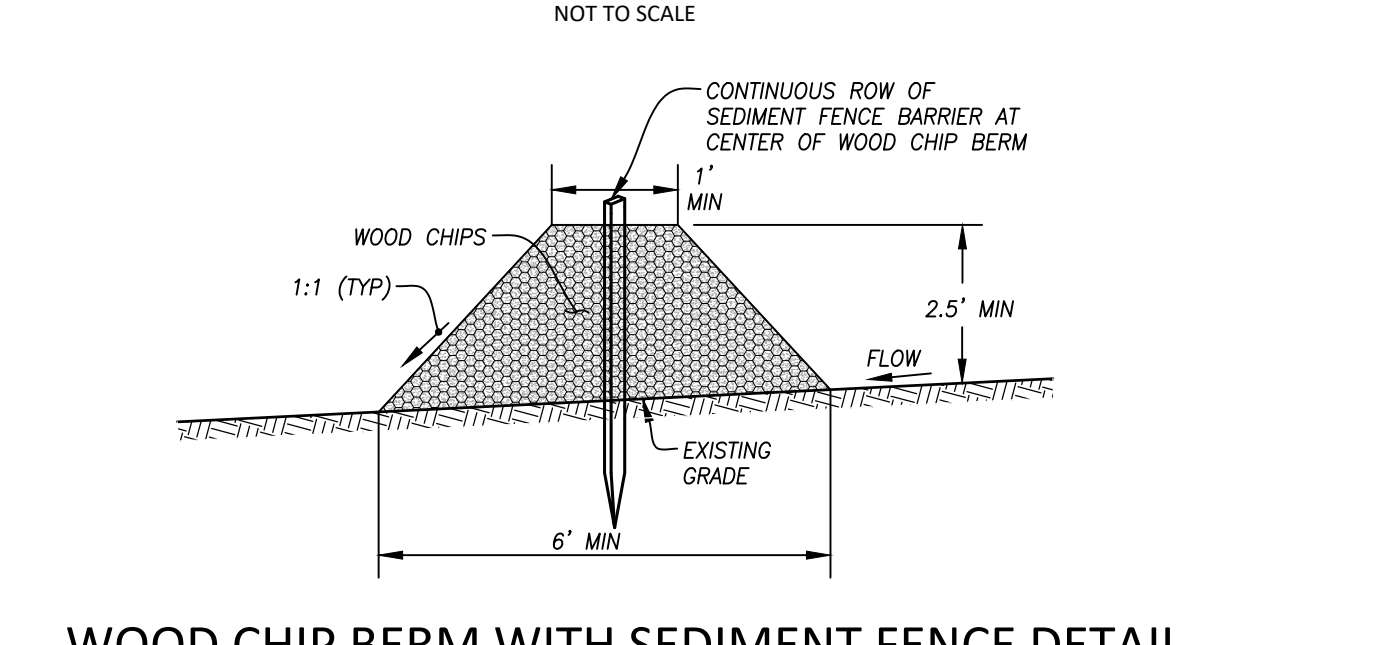
- PLAN NOTES**
1. GEOTEXTILE BAG MATERIAL SHALL BE A NON-WOVEN MATERIAL.
 2. DO NOT OVER PRESSURIZE BAG OR USE BEYOND CAPACITY.
 3. LOCATE DISCHARGE SITE ON FLAT UPLAND AREAS AS FAR AWAY AS POSSIBLE FROM STREAMS, WETLANDS, AND OTHER RESOURCES AND POINTS OF CONCENTRATED FLOW.
 4. DOWNGRADIENT FROM RECEIVING AREA MUST BE WELL VEGETATED OR OTHERWISE STABLE FROM EROSION, E.G., FOREST FLOOR OR COARSE GRAVEL/STONE.



COMPOST FILTER TUBE INSTALLATION DETAIL
NOT TO SCALE



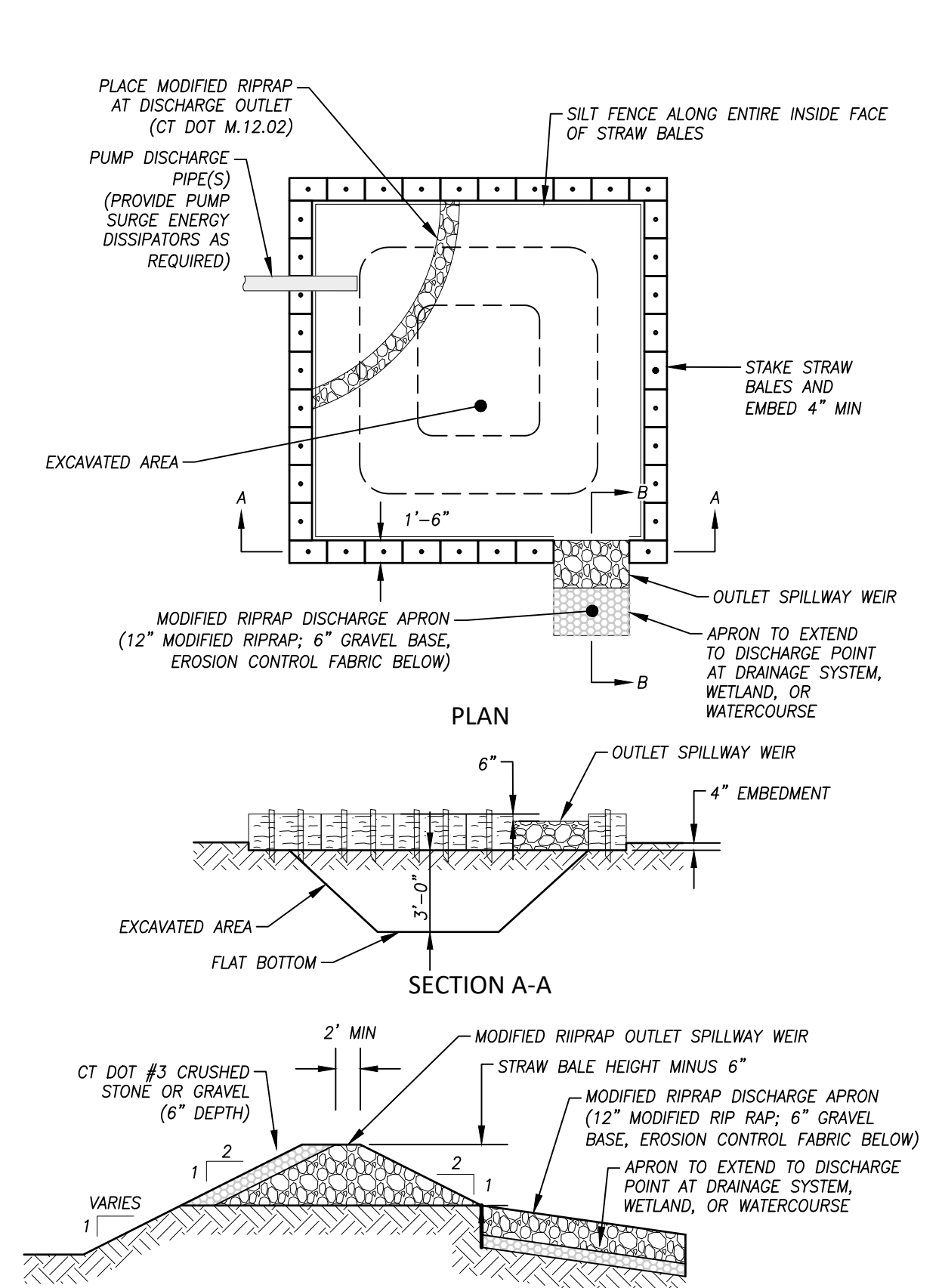
EROSION CONTROL BLANKET DETAIL
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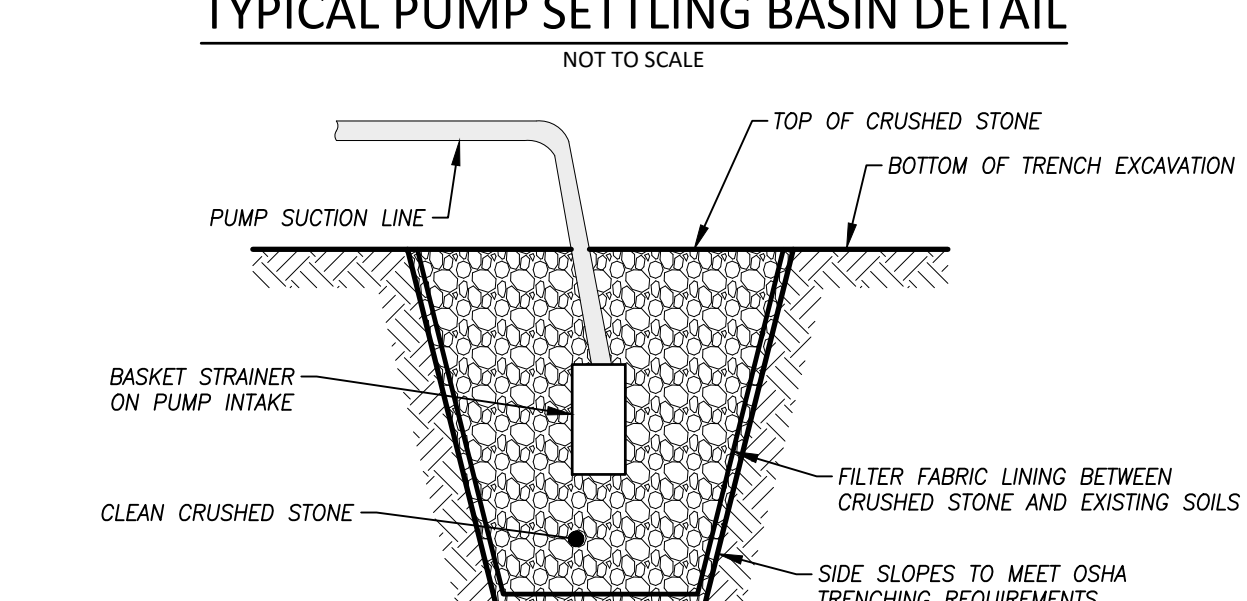
WOOD CHIP BERM WITH SEDIMENT FENCE DETAIL
NOT TO SCALE

WOOD CHIP BERM DETAIL
NOT TO SCALE

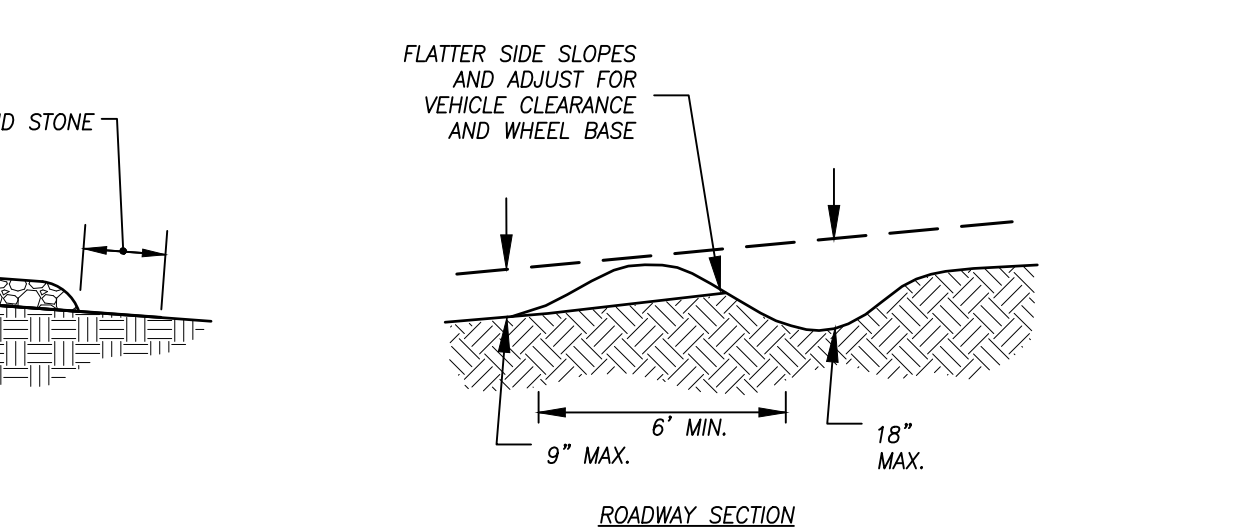
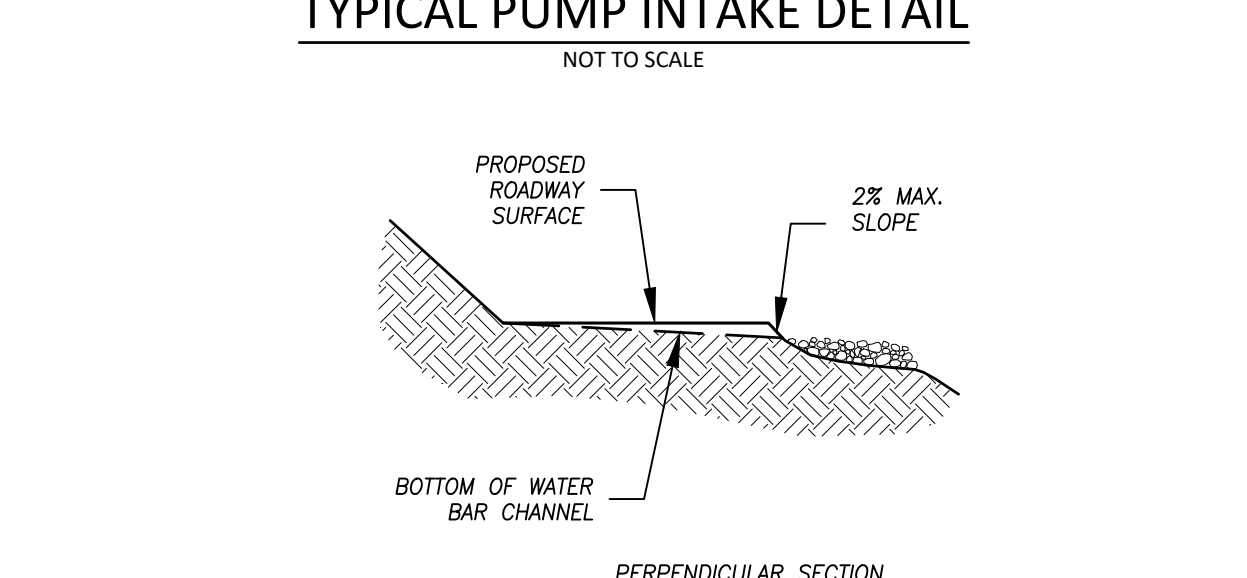
WOOD CHIP BERM DETAIL
NOT TO SCALE



- PLAN NOTES**
1. THE CONTRACTOR SHALL SIZE BASIN BASED ON THE SELECTED PUMP DISCHARGE FLOWS, AND ENLARGE AS NECESSARY AT NO ADDITIONAL COST TO THE OWNER, TO ALLOW FOR PROPER FUNCTION OF THE BASIN.
 2. ALTERNATE PUMPING SETTLING BASIN OR FRACTIONATION TANKS MAY BE USED WITH PRIOR APPROVAL OF THE ENGINEER.



- PLAN NOTES**
1. THE CONTRACTOR SHALL SIZE SUMP BASED ON THE SELECTED PUMP DISCHARGE FLOWS, AND ENLARGE AS NECESSARY AT NO ADDITIONAL COST TO THE OWNER, TO ALLOW FOR PROPER FUNCTION OF THE SUMP.
 2. MINIMUM SUMP DIMENSIONS ARE 2' DEEP (MEASURED FROM THE BOTTOM OF THE TRENCH EXCAVATION) AND 2' DIAMETER.
 3. CRUSHED STONE SHALL BE NO SMALLER THAN CT DOT #67 SIZE NOR LARGER THAN CT DOT #3 SIZE.
 4. SUMPS SHALL BE EXCAVATED AND RELOCATED AS REQUIRED TO MAINTAIN A DRY EXCAVATION.
 5. ALTERNATE PUMP INTAKE PROTECTION AND DEWATERING METHODS MAY BE USED WITH PRIOR APPROVAL OF THE ENGINEER.



- PLAN NOTES**
1. SEE COVER SHEET FOR ENGINEER AND SURVEYOR SIGNATURES AND SEALS.
 2. SEE SHEET 2 FOR LEGEND & ABBREVIATIONS.

P:\CIVIL 3D PROJECTS\2020\20-2853 EDGEGWATER-APARTMENTS\DWG\DESIGN 4 NOTES AND DETAILS.DWG

GENERAL NOTES

- THE PROJECT SITE IS PART OF A MIXED USE DEVELOPMENT WITHIN THE MUDD ZONE. THE PROPOSED DEVELOPMENT INCLUDES THE EXTENSION OF EDGEWATER CIRCLE. THE PROJECT IS PART OF THE MIXED USE PHASED CONSTRUCTION OF THE EDGEWATER HILL MASTER PLAN DEVELOPMENT DATED 2012.
- SUBJECT IS ENTIRELY WITHIN FLOOD ZONE X (AREAS OF MINIMAL FLOOD HAZARD) IN ACCORDANCE WITH FEMA FIRM PANEL NUMBER 090703C. EFFECTIVE DATE 8/29/2008.
- THE PROPOSED DEVELOPMENT WILL BE SERVED BY PUBLIC WATER, GAS AND SANITARY SEWER.
- ALL PROPOSED UTILITY INFRASTRUCTURE SHALL BE INSTALLED UNDERGROUND UNLESS SPECIFICALLY NOTED HEREIN IN ACCORDANCE WITH UTILITY COMPANY REQUIREMENTS.
- ALL EXISTING UTILITY INFORMATION SHOWN HEREIN IS APPROXIMATE ONLY AND SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF THE SITE WORK. THE ENGINEER MAKES NO STATEMENT, WARRANTY, OR GUARANTEE TO THE LOCATION, SIZE, TYPE, QUANTITY OR CONDITION OF THE UTILITIES SHOWN HEREIN.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE "CALL BEFORE YOU DIG" ORGANIZATION AT 1-800-922-4455 A MINIMUM OF THREE (3) BUSINESS DAYS PRIOR TO COMMENCEMENT OF ANY SITE WORK OR SITE DISTURBANCE ON OR ADJACENT TO THE PROJECT SITE.
- ALL MATERIALS, INSTALLATIONS, CONSTRUCTION AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE EAST HAMPTON SITE PLAN STANDARDS, THE TOWN OF EAST HAMPTON STREET STANDARDS, EAST HAMPTON WPCA SPECIFICATIONS AND THE CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS, BRIDGES, FACILITIES AND INCIDENTAL CONSTRUCTION FORM B17 AS AMENDED.
- ALL TRAFFIC SIGNAGE, MARKINGS, LOCATIONS AND INSTALLATIONS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN, REVIEW AND ADHERE TO ALL REQUIREMENTS AND ANY CONDITIONS OF APPROVAL ASSOCIATED WITH THE PROJECT FROM THE TOWN OF EAST HAMPTON, CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION AND ALL CUSTODIAL UTILITY COMPANIES.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL PERMITS, BONDING AND INSURANCE REQUIRED BY THE TOWN OF EAST HAMPTON AND ALL CUSTODIAL UTILITY COMPANIES.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ALL NECESSARY TRAFFIC CONTROL BARRICADES, SIGNAGE, PERSONNEL AND OTHER EQUIPMENT/ITEMS REQUIRED TO MAINTAIN SAFE AND FULL PUBLIC AND EMERGENCY ACCESS DURING ALL PHASES OF THIS PROJECT.
- ALL HANDICAP ACCESS ROUTES SHALL BE CONSTRUCTED IN STRICT CONFORMANCE WITH THE AMERICAN DISABILITIES ACT (ADA) CODES, SPECIFICATIONS, RECOMMENDATIONS AND REQUIREMENTS.
- ALL SITEWORK AND EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE ALL LOCAL AND STATE PERMITS INCLUDING THE CTDEEP GENERAL PERMIT FOR THE DISCHARGE OF WASTEWATERS FROM CONSTRUCTION ACTIVITIES.
- ANY DISCREPANCIES BETWEEN DESIGN PLAN SHEETS, FIELD CONDITIONS, NOTES AND SPECIFICATIONS OR SITE CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN ENGINEER PRIOR TO THE START OF CONSTRUCTION.

DEMOLITION & MOBILIZATION NOTES

- THE CONTRACTOR SHALL SECURE ALL NECESSARY BUILDING PERMITS INCLUDING BUT NOT LIMITED TO CLEARING, STEWAGE, TEMPORARY AND PERMANENT POWER, EXCAVATION, SOIL EROSION AND SEDIMENT CONTROL, AND ALL OTHER APPLICABLE PERMITS.
- ALL PAVEMENT REMOVAL SHALL BE SAWCUT SMOOTH WITH TRUE ALIGNMENT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL SURPLUS MATERIAL OFF-SITE. ANY ITEMS/MATERIALS TO BE SAVED FOR FUTURE RE-USE SHALL BE APPROPRIATELY STOCKPILED ON SITE AT A PRE-APPROVED LOCATION AND PROTECTED WITH APPROPRIATE EROSION CONTROL MEASURES.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR FOR PROVIDING AND INSTALLING ADEQUATE BARRICADES, FENCING, SIGNAGE AND SITE SECURITY DURING ALL WORKING HOURS. THE CONTRACTOR SHALL EMPLOY THE APPROPRIATE MEANS TO ENSURE THAT PUBLIC SAFETY AND PROJECT SECURITY IS APPROPRIATELY MAINTAINED THROUGHOUT THE PROJECT LIFE.
- THE CONTRACTOR SHALL BARRICADE AND APPROPRIATELY SIGN ALL EXCAVATED TRENCHES, TEST HOLES AND ALL OTHER EXCAVATIONS TO HORIZONAL FALLS AND UNAUTHORIZED ENTRY DURING ALL ASPECTS OF THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PERFORMING ALL DEMOLITION, GRADING AND RELATED SITE WORK SUCH THAT NO UNREASONABLE DUST, DEBRIS OR DAMAGE OCCURS TO ADJACENT PROPERTIES OR THE GENERAL PUBLIC.

GRADING NOTES

- THE CONTRACTOR SHALL REMOVE ALL UNSUITABLE MATERIALS DURING CONSTRUCTION AND UTILITY INSTALLATIONS TO THE SATISFACTION OF THE ENGINEER AND/OR TOWN OFFICIALS.
- THE SITE SHALL BE GRADED USING STANDARD CONSTRUCTION PRACTICES. EROSION CONTROL BLANKETS, AS APPROVED BY THE ENGINEER, SHALL BE USED ON ALL SLOPES EQUAL TO OR STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL OR AS PRESCRIBED BY THE ENGINEER. INSTALLATION SHALL BE IN STRICT CONFORMANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND SPECIFICATIONS.
- AREAS TO BE USED FOR STORMWATER MANAGEMENT SHALL NOT BE EXCAVATED TO FULL DEPTH. A MINIMUM OF TWO (2) FEET OF NATURALLY OCCURRING SOIL SHALL REMAIN IN PLACE UNTIL SUCH TIME THAT FINAL GRADING IS APPROPRIATE.
- ALL DISTURBED AREAS ARE TO BE PERMANENTLY STABILIZED AS SOON AS FEASIBLE. WHERE PERMANENT STABILIZATION IS NOT FEASIBLE, TEMPORARY MEASURES FOR STABILIZATION AS APPROVED BY THE ENGINEER SHALL BE INCORPORATED.
- ALL PROPOSED GRADES DEPICTED HEREIN REPRESENT FINAL SURFACE ELEVATION OF PAVEMENT, CONCRETE, STONE OR TOPSOIL UNLESS OTHERWISE NOTED.
- ALL GRADED SURFACES SHALL BE GRADED SUCH THAT THE FINAL GRADE RESULTS IN POSITIVE DRAINAGE FROM ALL SURFACE POINTS.
- FILL EMBANKMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTIONS 2.02.03.5, 6, 7 AND 11 OF CT DOT FORM B17. EMBANKMENTS SHALL BE CONSTRUCTED IN LOOSE LIFTS NOT EXCEEDING 12-INCHES AND COMPACTED TO 95% MAXIMUM DRY DENSITY. FINAL SLOPES SHALL BE TRACKED WITH CLEATED TRACKED EQUIPMENT PRIOR TO THE INSTALLATION OF TOPSOIL.
- FILL WITHIN THE ZONE OF INFLUENCE OF THE FOUNDATIONS OF THE PROPOSED BUILDINGS SHALL MEET THE REQUIREMENTS OF THE GEOTECHNICAL/STRUCTURAL ENGINEER.

REMOVAL OF LEDGE ROCK

- CONTRACTOR SHALL OBTAIN BLASTING PERMIT FROM THE TOWN OF EAST HAMPTON PRIOR TO ANY BLASTING ACTIVITIES.
- ALL EXPLOSIVE DEMOLITION SHALL BE PERFORMED IN STRICT ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS AND ORDINANCES. NO EXPLOSIVE DEMOLITION SHALL TAKE PLACE BETWEEN THE HOURS OF 5:00 PM AND 7:00 AM ON ANY DAY, AND NO EXPLOSIVE DEMOLITION SHALL OCCUR ON SUNDAYS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PERFORMING A FULL AND COMPLETE PRE-BLAST SURVEY OF ANY AND ALL PROPERTIES THAT MAY BE AFFECTED BY EXPLOSIVE DEMOLITION ACTIVITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE PROTECTION OF ANY PART OF ANY PROPERTY THAT MAY BE AFFECTED BY EXPLOSIVE DEMOLITION ACTIVITIES, AND SHALL BE RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ANY DAMAGED PORTION OF SAID PROPERTIES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING, RESTORING AND GENERAL MAINTENANCE OF ALL ADJACENT AND ABUTTING PROPERTIES, STRUCTURES AND PORTIONS THEREOF THAT MAY BE DAMAGED OR OTHERWISE AFFECTED BY THE CONSTRUCTION/DEMOLITION ACTIVITIES ON THIS PROJECT. THE CONTRACTOR'S RESPONSIBILITY SHALL EXTEND TO AT LEAST THE POINT WHERE THE PROPERTY/STRUCTURE IS FULLY RESTORED, REPLACED OR ESTABLISHED AND/OR STABILIZED. ALL EFFORTS, MATERIALS AND INSTALLATION SHALL BE PAID FOR BY THE CONTRACTOR.

LANDSCAPE NOTES

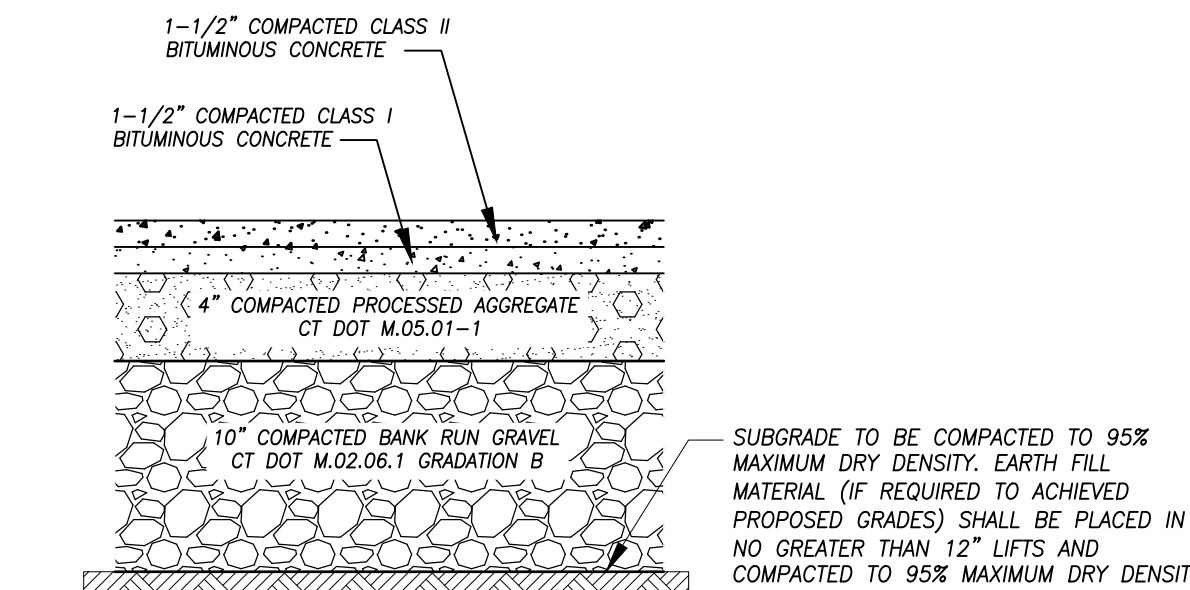
- ALL DISTURBED AREAS NOT COVERED BY BUILDINGS, DRIVEWAYS, ROADWAYS, WALKWAYS, ETC. SHALL BE GRADED AND STABILIZED AS FOLLOWS:
 - PLACE A MINIMUM OF 4-INCHES OF TOPSOIL IN ALL DISTURBED AREAS. APPLY LIMESTONE AND FERTILIZER IN ACCORDANCE WITH SOIL TEST RESULTS AND RECOMMENDATIONS.
 - APPLY SPECIFIED SEED MIXTURE AT RECOMMENDED RATE. SEE EROSION AND SEDIMENTATION CONTROL NOTES.
 - APPLY STRAW OR HAY MULCH ON ALL SEEDING AREAS.
- SEEDING SHALL TAKE PLACE BETWEEN APRIL 1 AND JUNE 15, OR AUGUST 15 AND OCTOBER 1. SEEDING DURING THESE TIME FRAMES INCLUDE APPLICATION OF STRAW OR HAY MULCH AT A RATE OF 2 BALES PER 1000 SF. IF THE SEEDING IS APPLIED OUTSIDE OF THESE TIME FRAMES, THE AREAS SHALL BE STABILIZED WITH STRAW OR HAY MULCH AT A RATE OF 90 LBS PER 1000 SF.
- GRADED AREAS 3H:1V AND STEEPER SHALL BE SEEDING WITH THE SPECIFIED SEED MIX OR EQUAL AND STABILIZED BY AN EROSION BLANKET.
- MULCHING SHALL BE APPLIED IN THE FOLLOWING MANNER: SPREAD MULCH BY HAND OR MULCH BLOWER. PUNCH MULCH INTO SOIL SURFACE WITH TRACK MACHINE APPROXIMATELY 2"-3" TO ANCHOR INTO SOIL.
- STREET TREES SHALL BE BALLED AND BURLAPPED WITH A MINIMUM 2" CALIPER AND MINIMUM 6-FOOT HEIGHT.
- ALL MATERIALS AND CONSTRUCTION METHODS ARE TO CONFORM TO THE REQUIREMENTS OF THE CT ASSOCIATION OF LANDSCAPE CONTRACTORS SPECIFICATIONS AND THE AMERICAN NURSERYMAN'S STANDARDS FOR NURSERY STOCK.
- ALL STAKING OR GUYING IS TO BE DONE IMMEDIATELY AFTER PLANTING, BUT IN NO CASE MORE THAN 24-HOURS AFTER PLANTING. AT COMPLETION OF MAINTENANCE PERIOD, REMOVE ALL STAKES, GUYS, FLAGS, TREE WRAP AND ANCHORS.
- WHEN ALL AREAS ARE STABILIZED, REMOVE ALL EROSION AND SEDIMENT CONTROL DEVICES AND DISPOSE OF ALL ACCUMULATED SEDIMENTS AT A PRE-APPROVED LOCATION.

STORMWATER BASIN NOTES

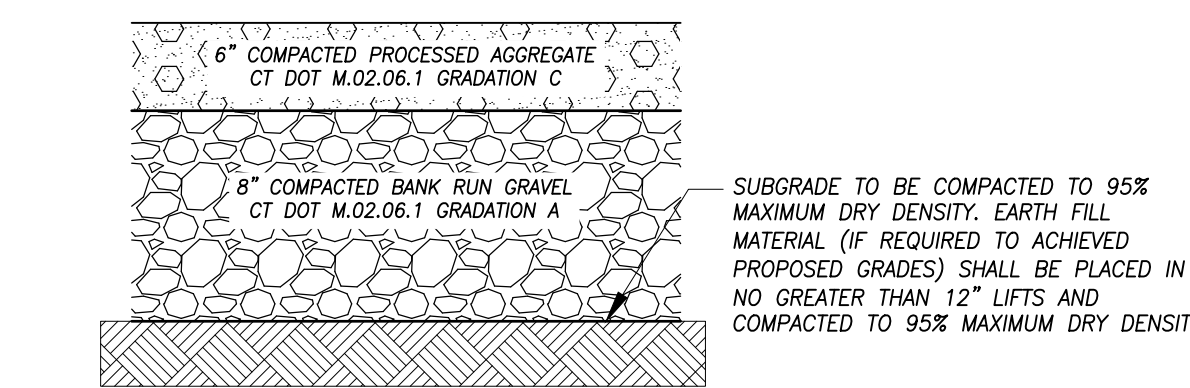
- THE STORMWATER MANAGEMENT BASINS SHALL BE STABILIZED PRIOR TO THE DISCHARGE OF STORMWATER INTO THE BASIN. THE BASIN IS TO BE CONSTRUCTED DURING THE DRY SEASON, IF PRACTICAL.
- ALL EROSION CONTROL MEASURES ARE TO BE THE FIRST ITEM OF CONSTRUCTION AND MAINTAINED UNTIL ALL DISTURBED AREAS ARE PERMANENTLY STABILIZED.
- THE EXISTING TOPSOIL IS TO BE REMOVED AND STOCKPILED FOR RE-USE IN FINAL STABILIZATION OF THE BASINS. UNTIL SUCH TIME AS THE FINAL GRADING FOR THE BASINS IS TO BE CONDUCTED, THE USE OF HEAVY MACHINERY AND ANY OTHER ACTIVITY THAT MAY COMPACT THE NATURALLY OCCURRING SOILS IS TO BE AVOIDED. SHOULD THE BASIN(S) BE UTILIZED FOR TEMPORARY SEDIMENT TRAPS DURING CONSTRUCTION, A MINIMUM OF TWO (2) VERTICAL FEET OF NATURALLY OCCURRING SOIL ABOVE FINAL GRADE OF THE BASIN SHALL BE MAINTAINED UNTIL SUCH TIME AS ALL UPGRADIENT AREAS ARE PERMANENTLY STABILIZED AND THE BASIN MAY BE CONSTRUCTED.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM ALL REQUIRED MAINTENANCE UNTIL ALL CONSTRUCTION IS ACCEPTED BY THE OWNER.
- SILT FENCING, HAYBALES OR OTHER EROSION BARRIER IS TO BE EMPLOYED IN A CONTINUOUS ROW WITHIN THE BASIN PERPENDICULAR TO THE BASIN INFLOW TO PREVENT ANY FLOW CHANNELIZATION PRIOR TO ADEQUATE VEGETATION BEING ESTABLISHED WITHIN THE BASIN.
- STORMWATER BASINS SHALL BE VEGETATED AND STABILIZED PRIOR TO FINAL PAVING AND REMOVAL OF CATCH BASIN INLET PROTECTION AND CURB DEFLECTORS.

GENERAL UTILITY NOTES

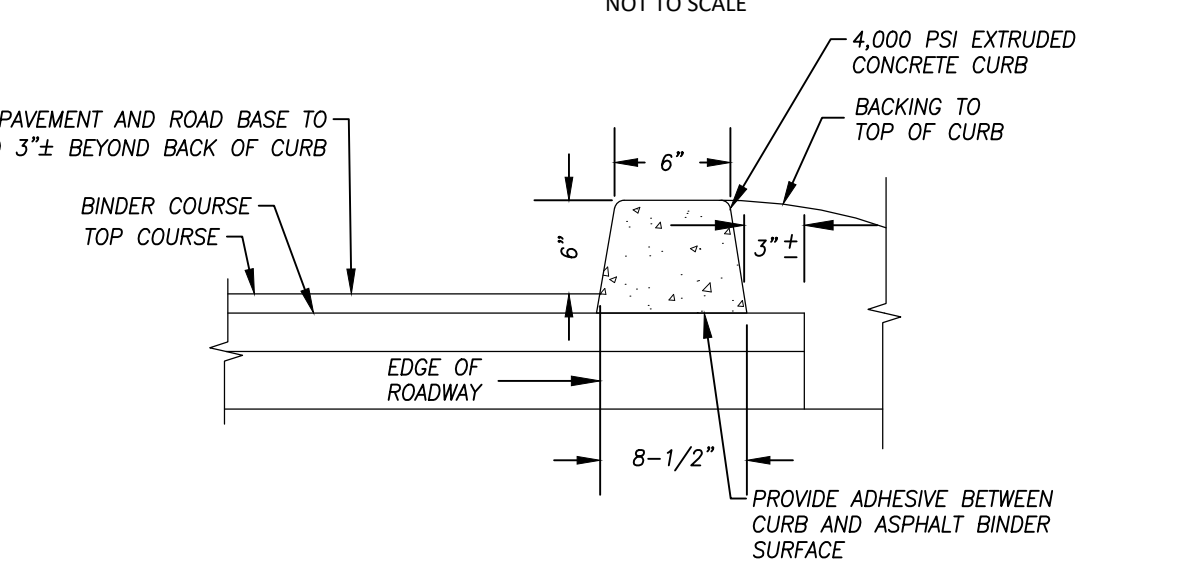
- THE CONTRACTOR SHALL IMPLEMENT ALL APPLICABLE TOWN OF EAST HAMPTON AND STATE OF CONNECTICUT STANDARDS AND REGULATIONS. ALL SANITARY SEWER UTILITIES SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST APPLICABLE TOWN OF EAST HAMPTON WATER POLLUTION CONTROL AUTHORITY (WPCA) RULES, REGULATIONS AND SPECIFICATIONS. FOUNDATION DRAINS, SUMP PUMPS AND/OR ROOF LEADERS SHALL NOT DISCHARGE INTO THE SANITARY SEWER SYSTEM.
- ALL DRAINAGE STRUCTURES SHALL BE PRECAST CONCRETE WITH CAST IRON FRAME AND GRATES CAPABLE OF HANDLING H-20 LOADING.
- ALL DRAINAGE PIPE SHALL BE SMOOTH INTERIOR HIGH DENSITY POLYETHYLENE PIPE (HDPE) OR APPROVED EQUAL UNLESS OTHERWISE NOTED. ALL PIPE SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS. A MINIMUM OF TWO FEET OF COVER SHALL BE PROVIDED OVER THE PIPE PRIOR TO ANY VEHICULAR TRAFFIC. ROOF LEADERS AND FOOTING DRAINS SHALL BE 6" (MIN.) SCHEDULE 40 PVC ASTM D1785. ROOF LEADERS SHALL BE DIRECTED TO THE PROPOSED SUBSURFACE INFILTRATION SYSTEMS. FOOTING DRAINS SHALL DAYLIGHT WHERE EVER FEASIBLE. WHERE DAYLIGHT IS NOT FEASIBLE, FOOTING DRAINS SHALL BE CONNECTED INTO THE FORMAL ROADWAY DRAINAGE SYSTEM.
- ROOF INFILTRATION SYSTEMS SHALL BE COMPRISED OF 8" DIAMETER PRECAST CONCRETE DRYWELLS. EACH SYSTEM WILL INCLUDE 12" OF CRUSHED STONE ON ALL SIDES, EACH SYSTEM WILL INCLUDE AN OVERFLOW RELIEF PIPE ALLOWING VOLUMES GREATER THAN THE STORAGE VOLUME TO BE RELEASED WITHOUT BACKING UP THE ROOF GUTTER LEADERS.
- LOCATIONS OF ALL TRANSFORMERS, UTILITY VAULTS AND PULL BOXES SHALL BE DETERMINED BY THE UTILITY AUTHORITY. ANY POTENTIAL UTILITY CONFLICT OR CHANGE SHALL BE REVIEWED, EVALUATED AND APPROVED BY THE OWNER AND OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION.
- ALL FINAL UTILITY DEMANDS, SIZES AND OPTIMAL BUILDING ENTRY LOCATIONS, SITE LIGHTING, WIRING, UNDER SLAB UTILITY CONNECTIONS AND ALL OTHER UTILITY RELATED INFORMATION SHALL BE DETERMINED BY THE CUSTODIAL UTILITY COMPANIES.
- ALL WATER MAINS SHALL CONFORM TO THE REQUIREMENTS AND SPECIFICATIONS OF THE CONNECTICUT WATER COMPANY.
- ALL SANITARY SEWER RELATED WORK SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS AND SPECIFICATIONS OF THE WATER POLLUTION CONTROL AUTHORITY. ALL STRUCTURES SHALL BE PRECAST CONCRETE WITH CAST IRON FRAMES AND GRATES CAPABLE OF HANDLING H-20 LOADINGS. ALL MAIN PIPE RUNS SHALL BE 8" DIAMETER SCHEDULE 40 PVC PIPE. ALL BUILDING SERVICES SHALL BE 6" DIAMETER SCHEDULE 40 PVC CONSTRUCTED AT A SLOPE NO LESS THAN 1/4" PER FOOT.
- ALL ELECTRIC, TELEPHONE, COMMUNICATIONS AND RELATED UTILITIES SHALL BE UNDERGROUND IN ACCORDANCE WITH ALL RULES AND REGULATIONS OF THE CUSTODIAL UTILITY COMPANY.
- ALL SANITARY SEWER RELATED WORK SHALL CONFORM TO THE EAST HAMPTON WPCA SPECIFICATIONS AND INSPECTION REQUIREMENTS FOR CONNECTION TO PUBLIC SEWERS* INCLUDING BUT NOT LIMITED TO CONSTRUCTION DETAILS, CCTV SURVEY OF ALL NEW MAINS AND AS-BUILT SURVEY PLANS.



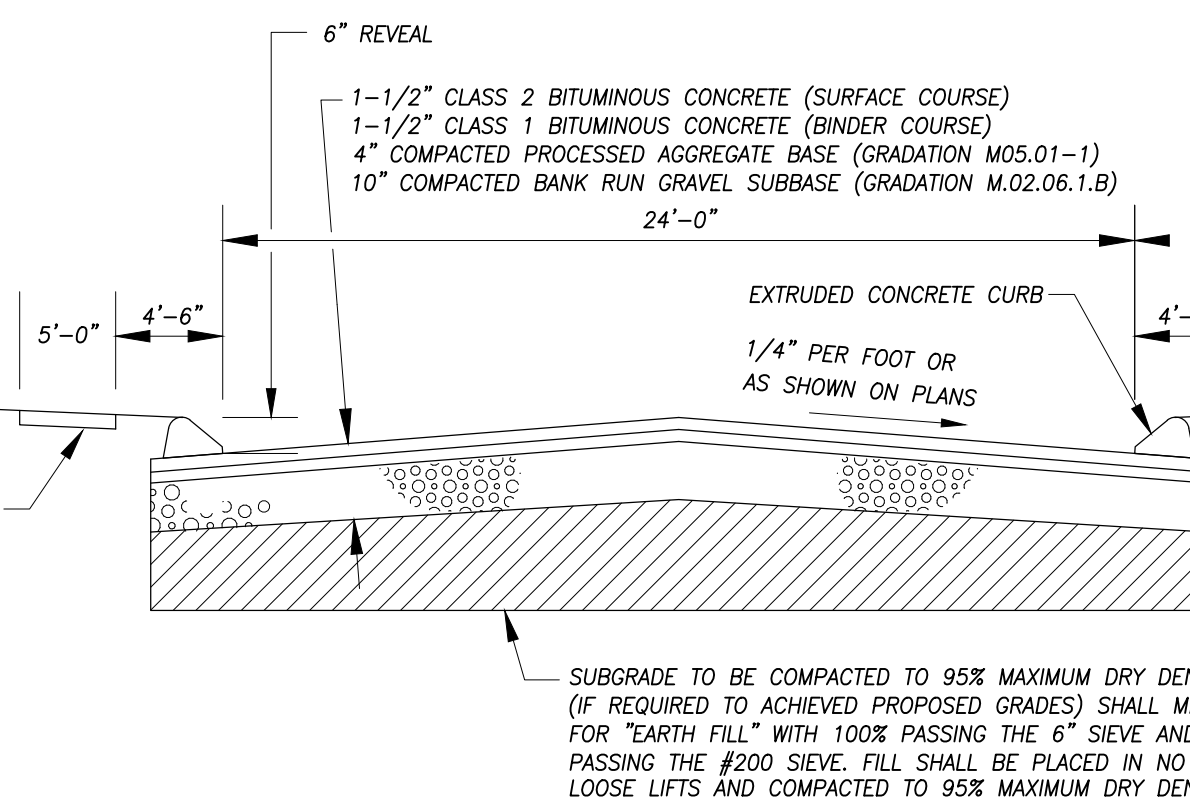
BITUMINOUS CONCRETE PAVEMENT DETAIL
NOT TO SCALE



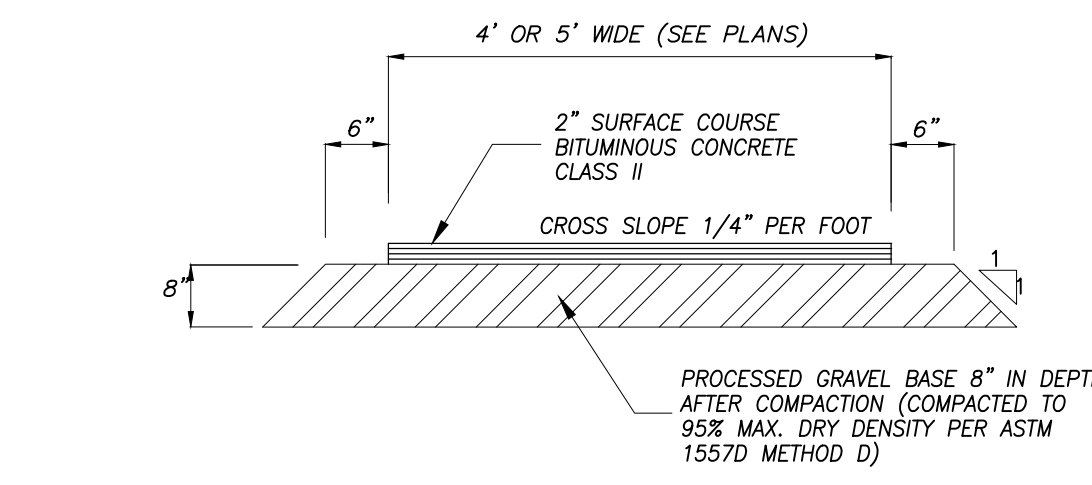
TRAFFIC BOUND GRAVEL SURFACE DETAIL
NOT TO SCALE



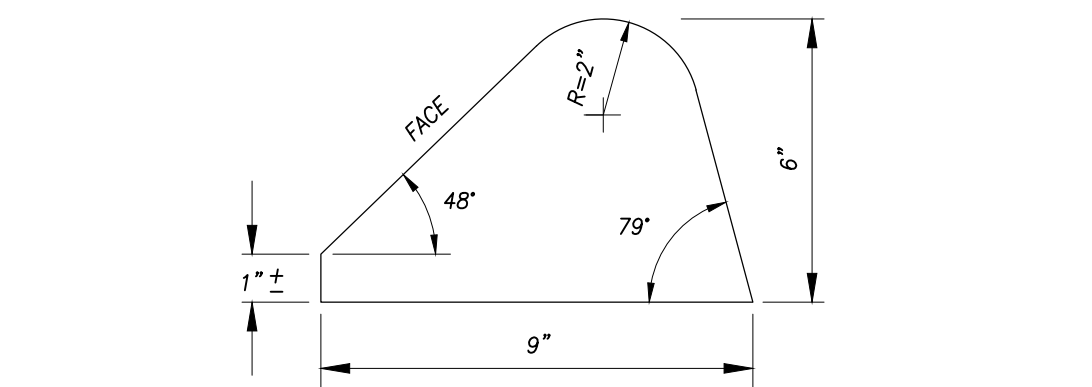
EXTRUDED CONCRETE CURB DETAIL
NOT TO SCALE



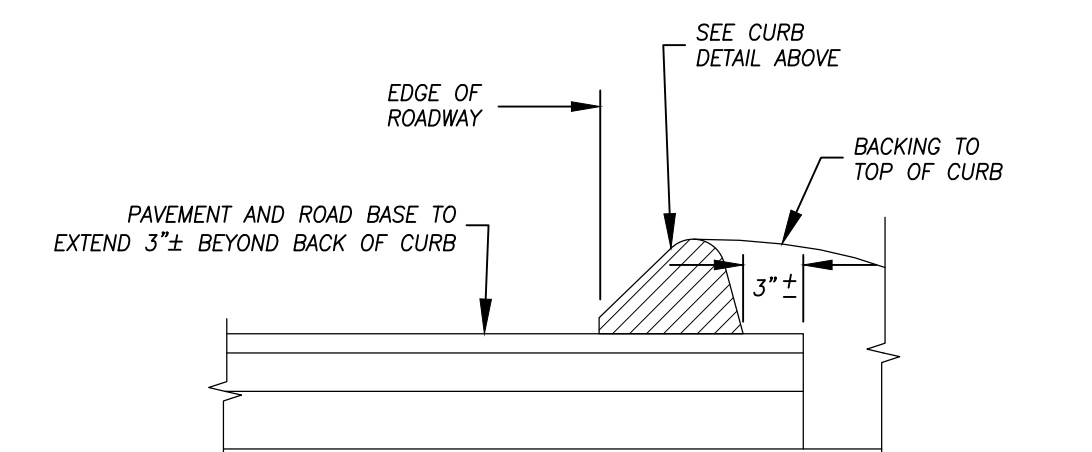
TYPICAL CROSS SECTION FOR ROADWAY PAVEMENT
NOT TO SCALE



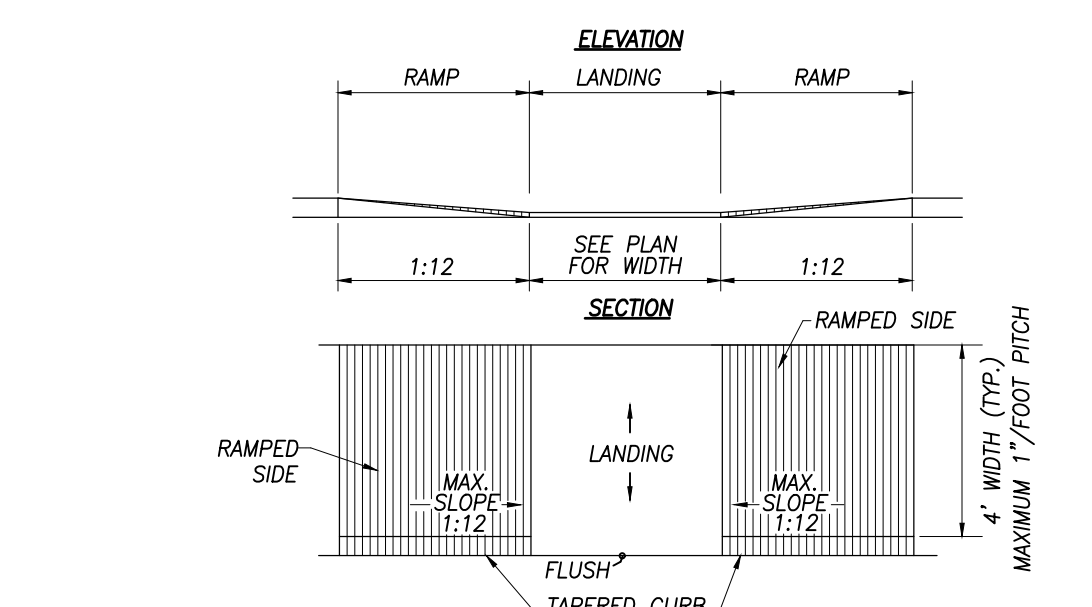
BITUMINOUS CONCRETE SIDEWALK
NOT TO SCALE



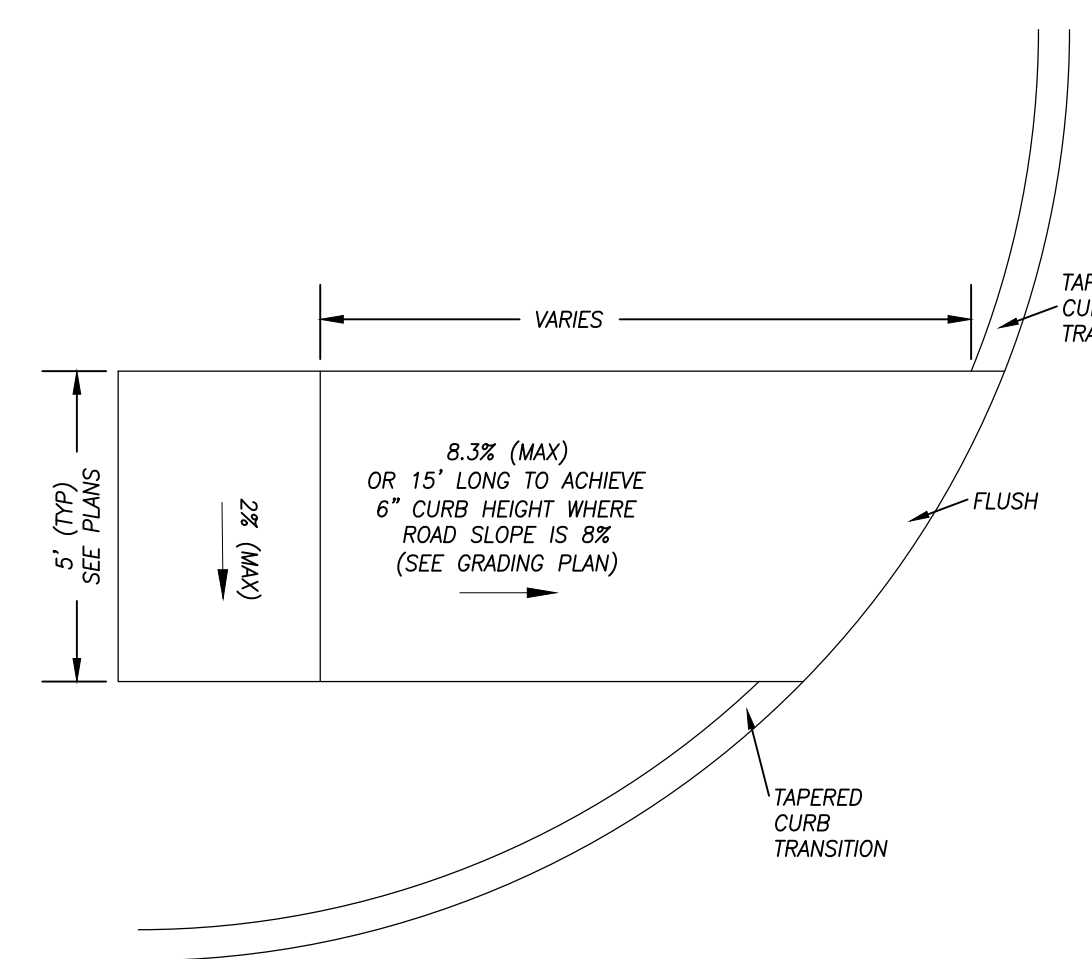
CURB DETAIL
CURB TO MEET CDOT STANDARDS



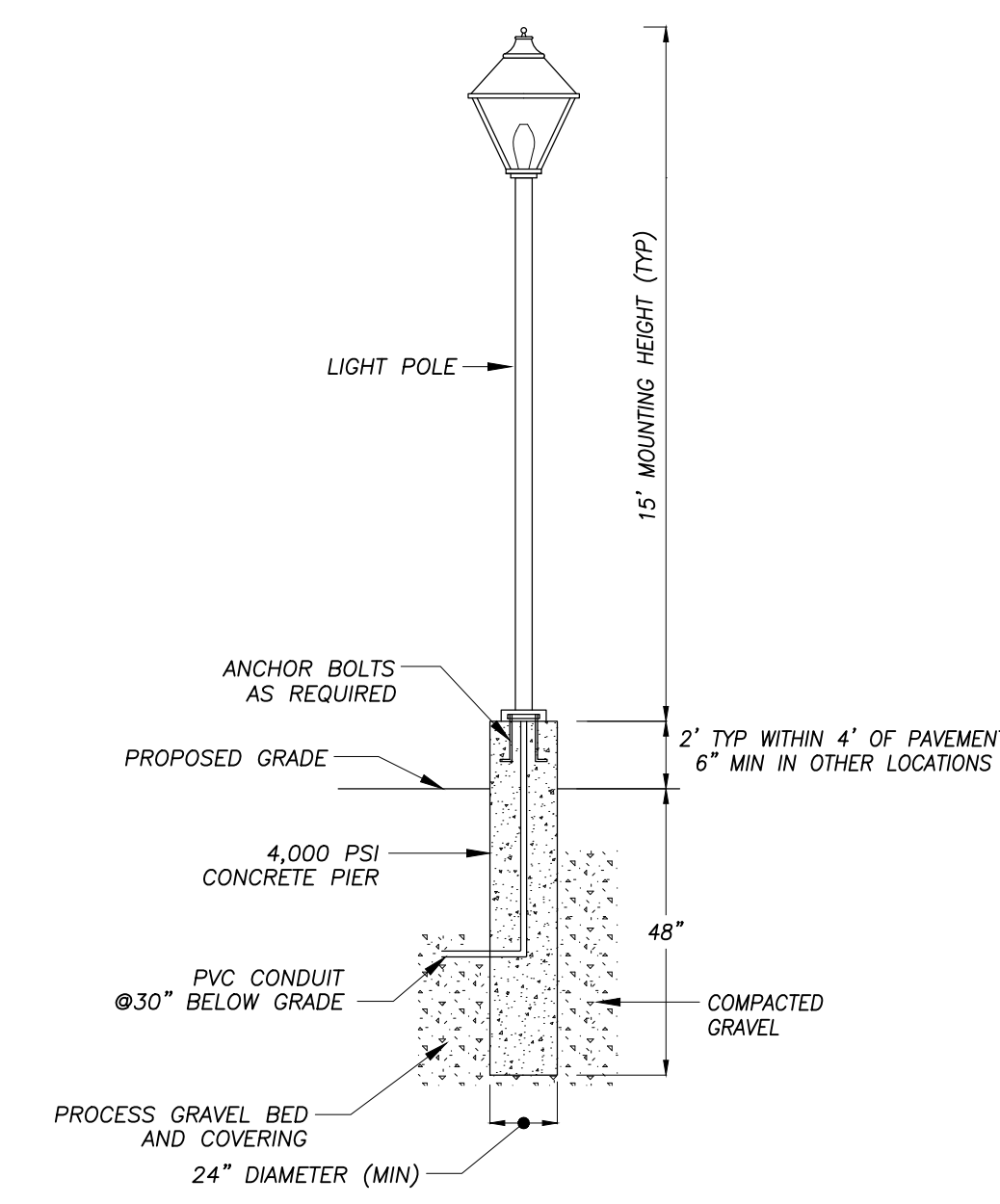
BITUMINOUS CONCRETE LIP CURB DETAIL
NOT TO SCALE



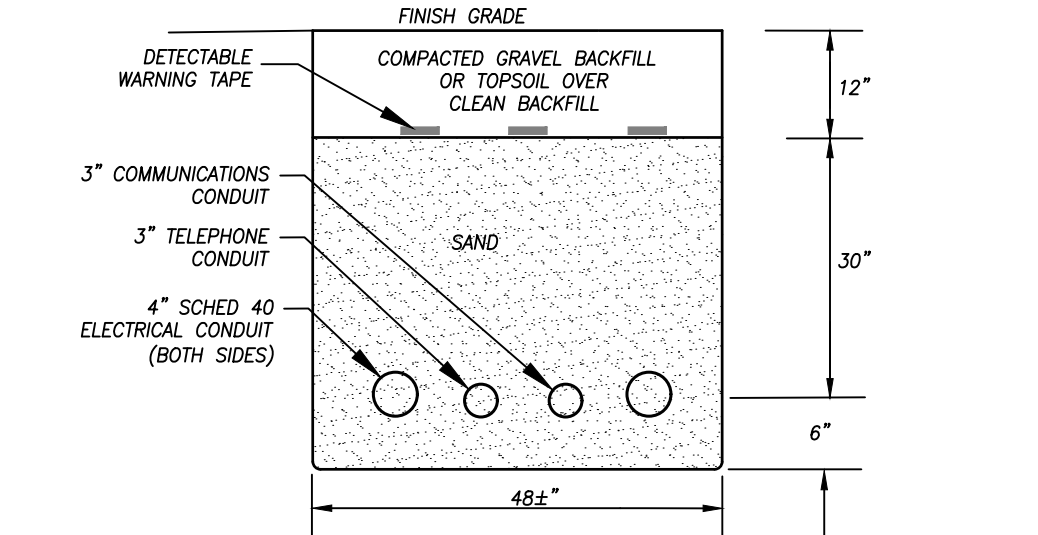
SIDEWALK CURB RAMP AT ACCESSIBLE PARKING DETAIL
NOT TO SCALE



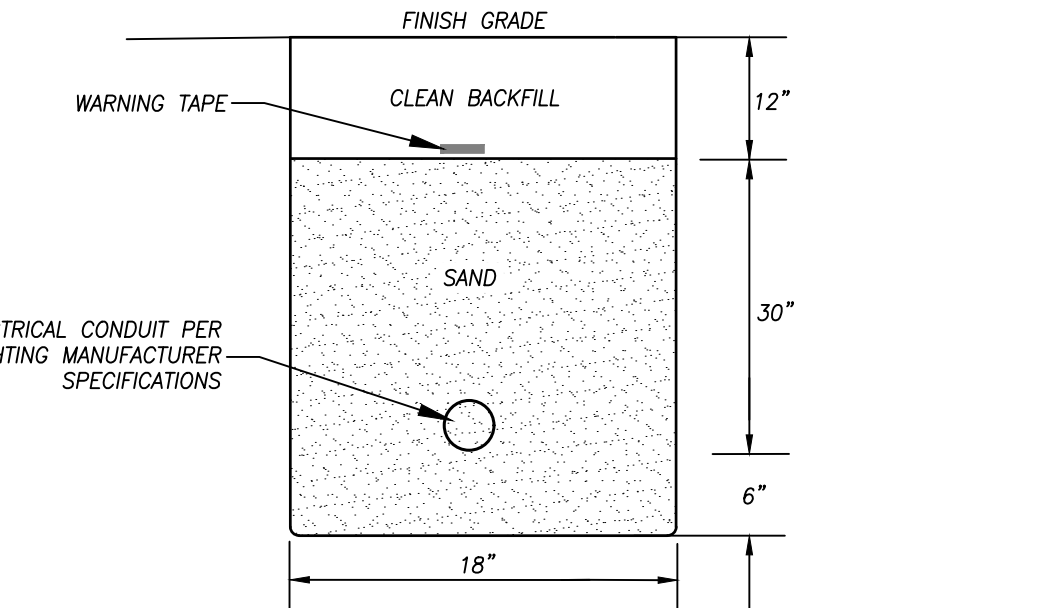
SIDEWALK CURB RAMP DETAIL
NOT TO SCALE



LIGHT POLE DETAIL
NOT TO SCALE



ELECTRIC & TELECOMM TRENCH DETAIL
NOT TO SCALE



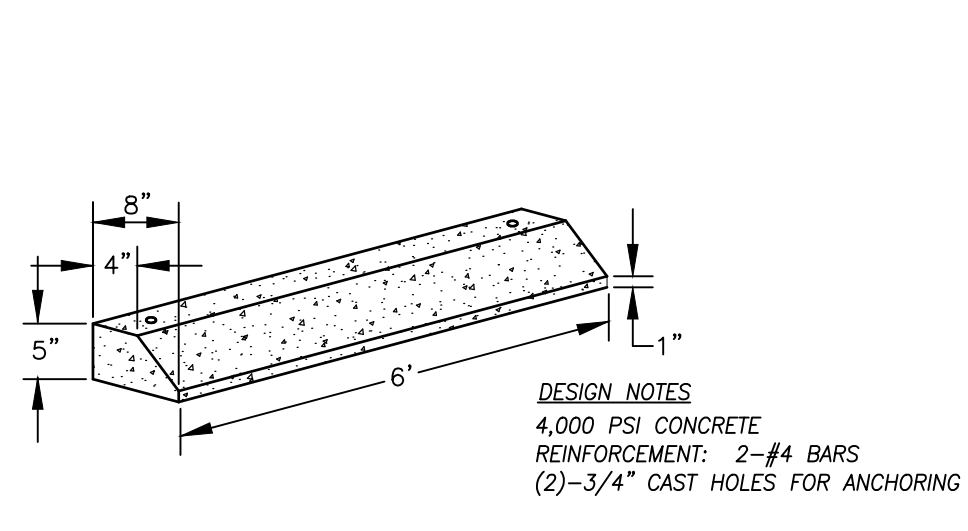
SITE LIGHTING CONDUIT TRENCH DETAIL
NOT TO SCALE

SCALE:	As Noted
DATE:	December 2020
JOB I.D. NO.	20-2853
Revisions	
Rev. A - IWWC Comments & Stormwater Quality - 1/18/21	
SHEET NO.	20
	25

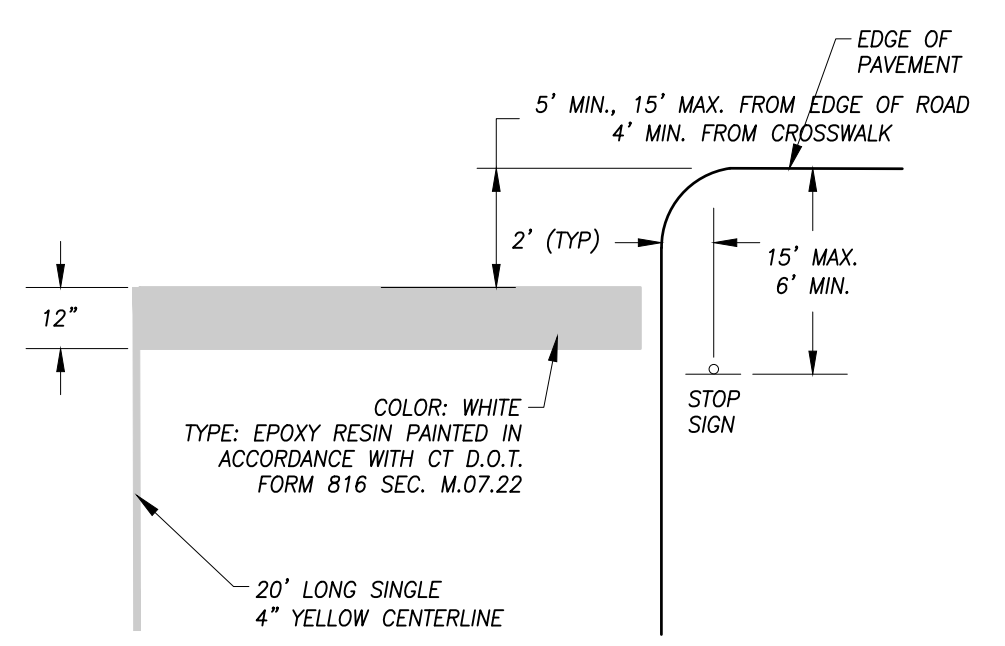
NOT FOR CONSTRUCTION
1/15/2021

PLAN NOTES

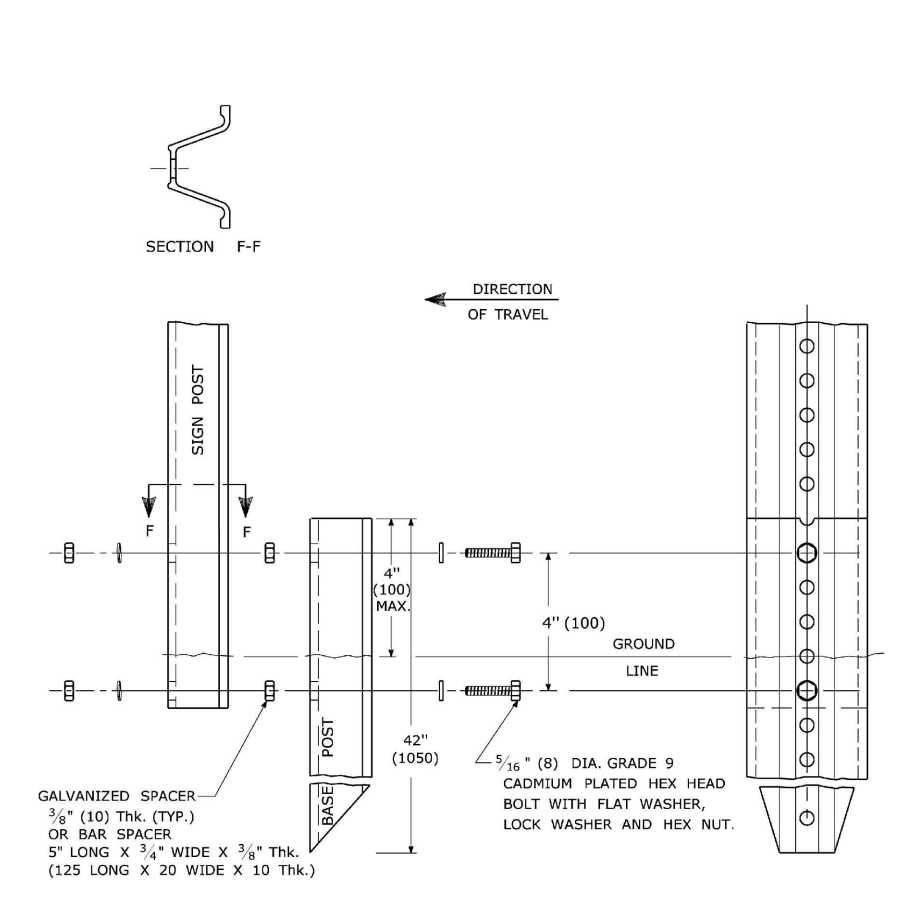
- SEE COVER SHEET FOR ENGINEER AND SURVEYOR SIGNATURES AND SEALS.
- SEE SHEET 2 FOR LEGEND & ABBREVIATIONS.



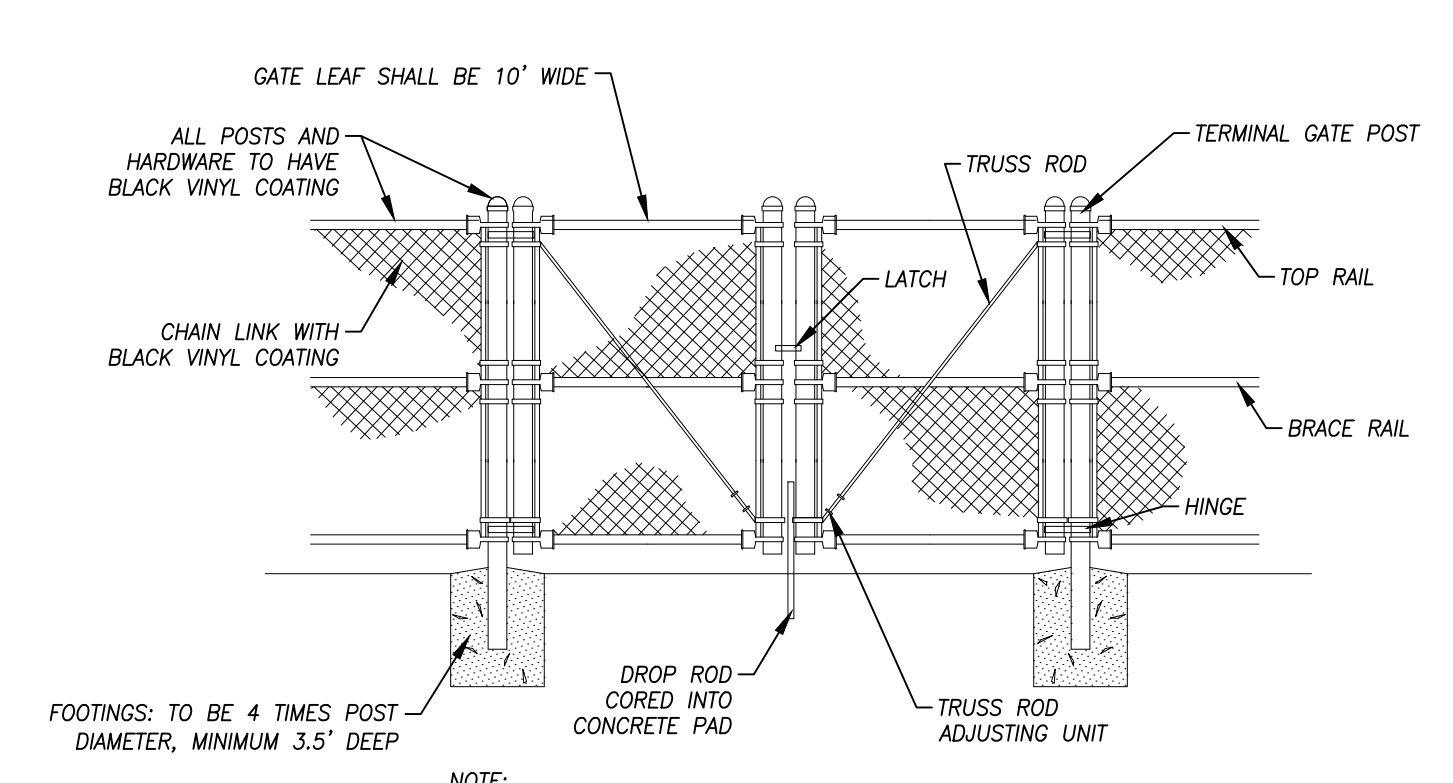
CONCRETE WHEELSTOP DETAIL
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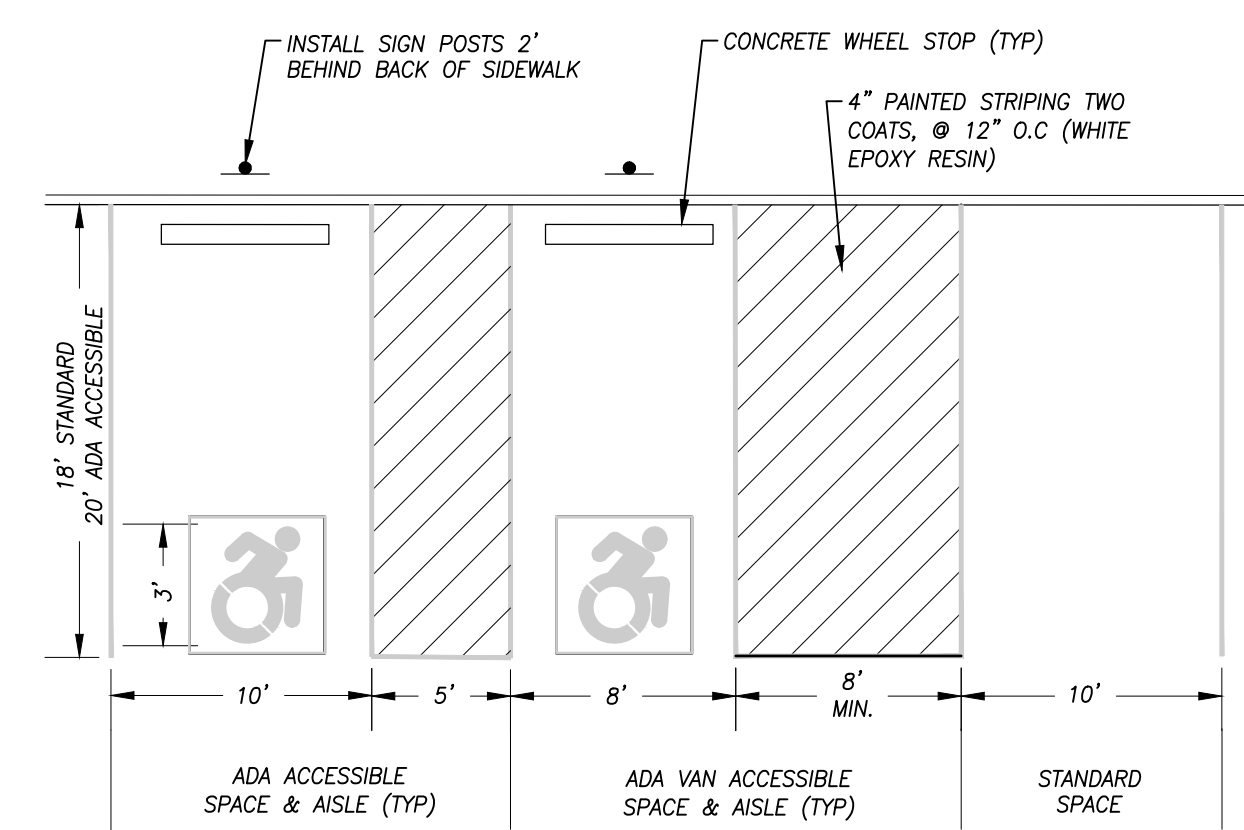
STOP BAR DETAIL
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CT DOT BREAKAWAY TYPE II SIGN POST DETAIL
 NOT TO SCALE

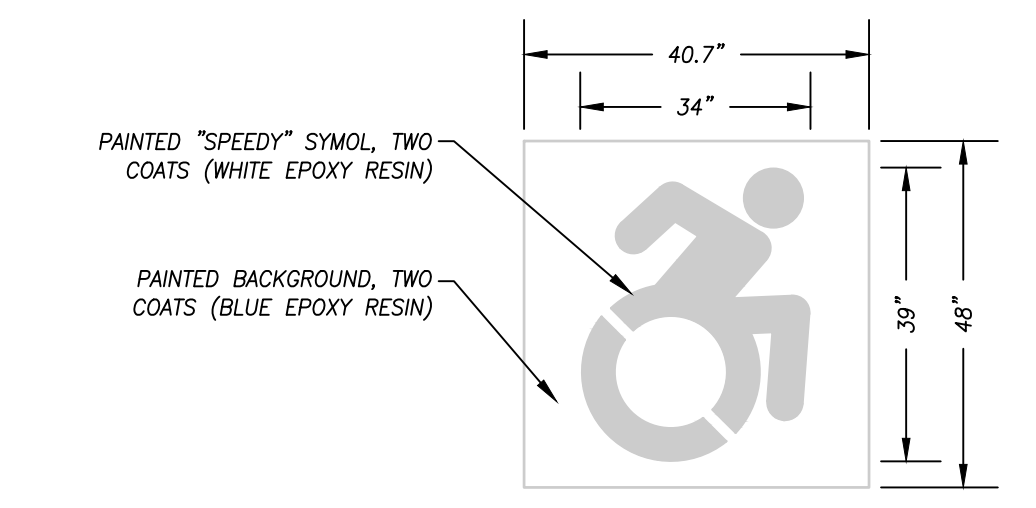


6' HIGH SWING GATE DETAIL
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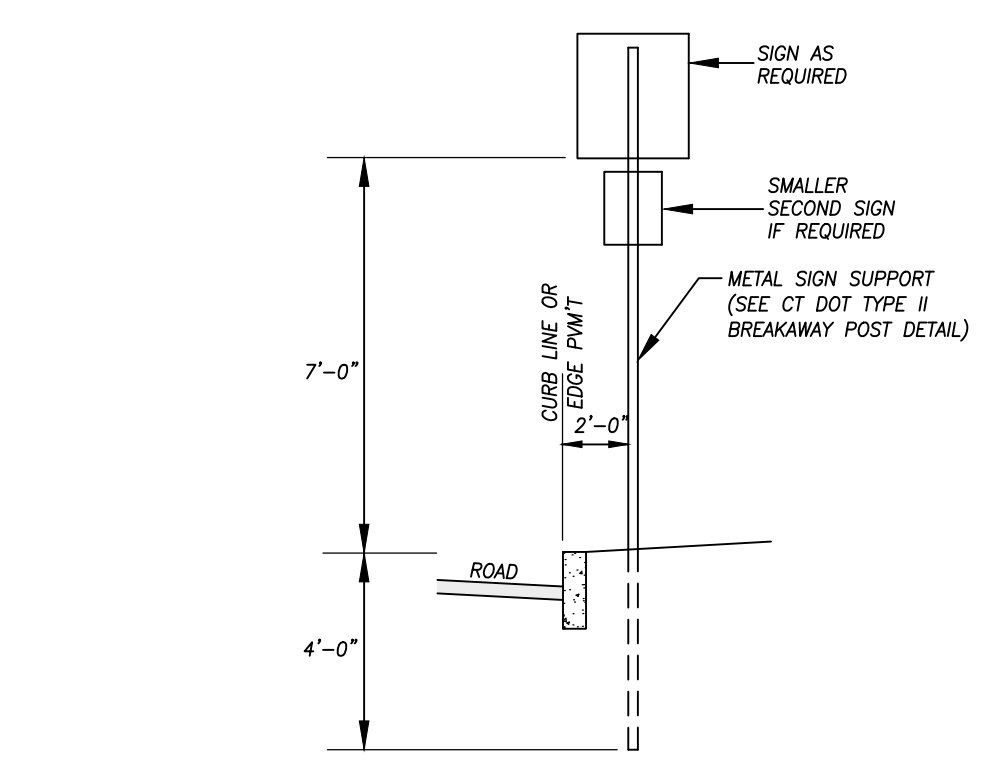


PARKING SPACE DETAILS
 NOT TO SCALE

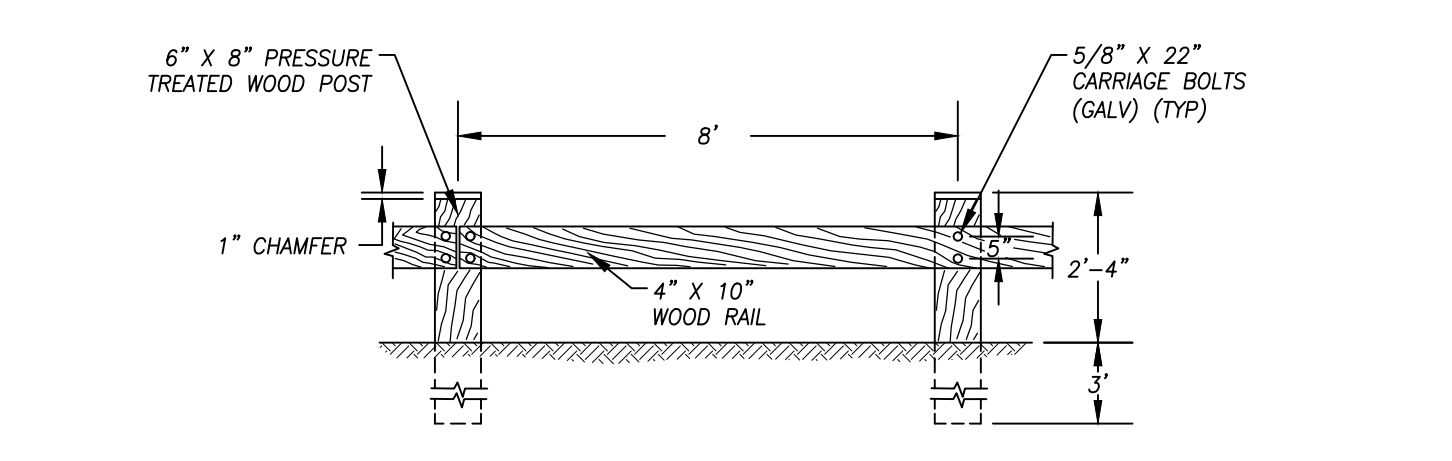
ADA ACCESSIBLE PARKING SPACE NOTES:
 1. SLOPE ON PAVEMENT SHALL BE NO MORE THAN 2% IN ANY DIRECTION.
 2. CROSS HATCH AISLES MAY NOT BE SHARED BETWEEN TWO SPACES OF DIFFERENT TYPE.
 3. AISLE WIDTH IS 8' FOR VAN ACCESSIBLE SPACES, AND 5' FOR ALL OTHER ACCESSIBLE SPACES.
 4. USE CURRENT "SPEEDY" ADA SYMBOL FOR ALL PAVEMENT MARKINGS AND SIGNS.



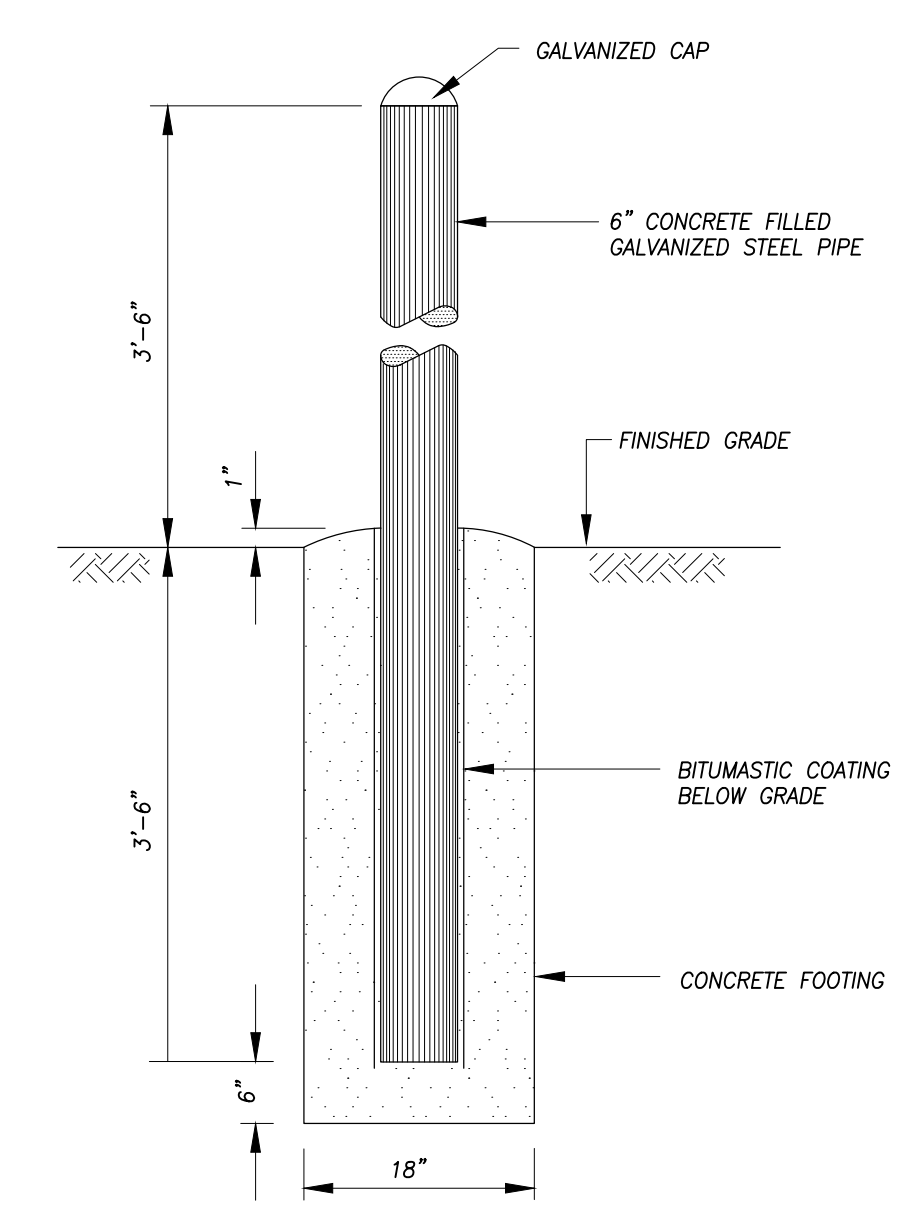
ACCESSIBLE PARKING SPACE SYMBOL DETAIL
 NOT TO SCALE



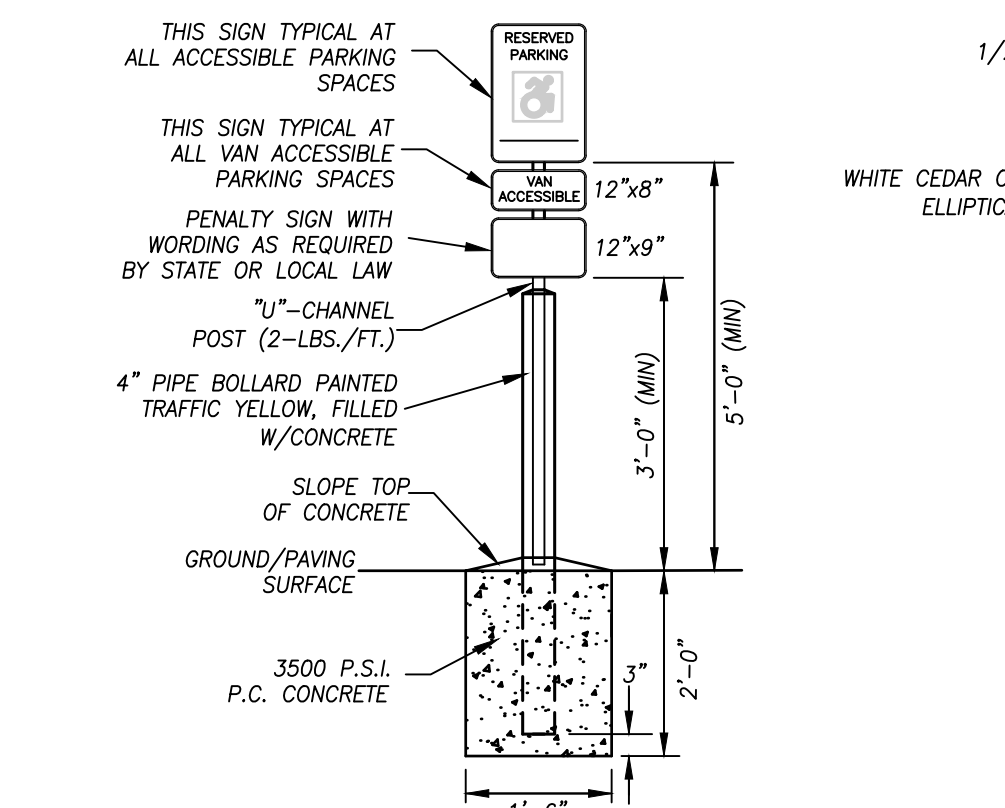
DIRECTIONAL SIGN SUPPORT DETAIL
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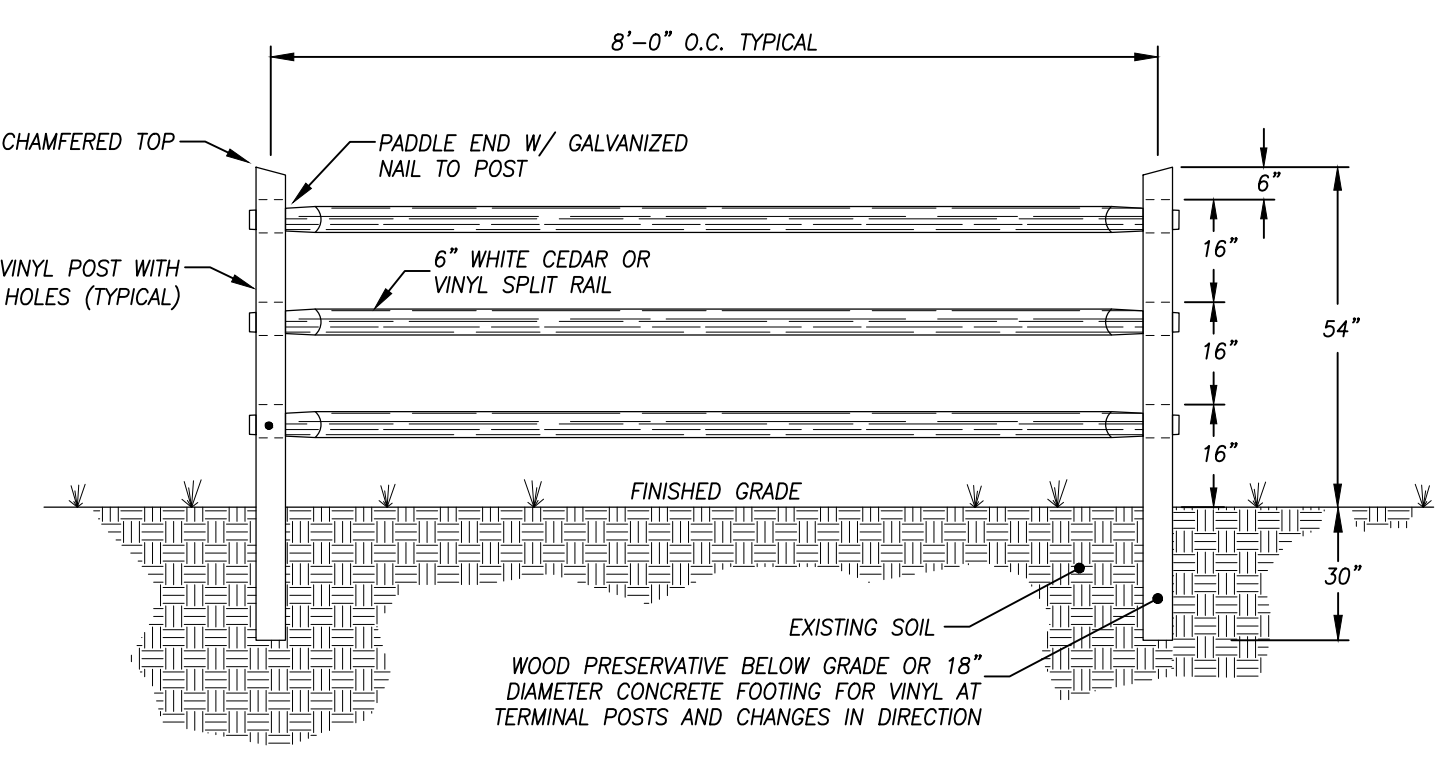
WOOD GUIDE RAIL DETAIL
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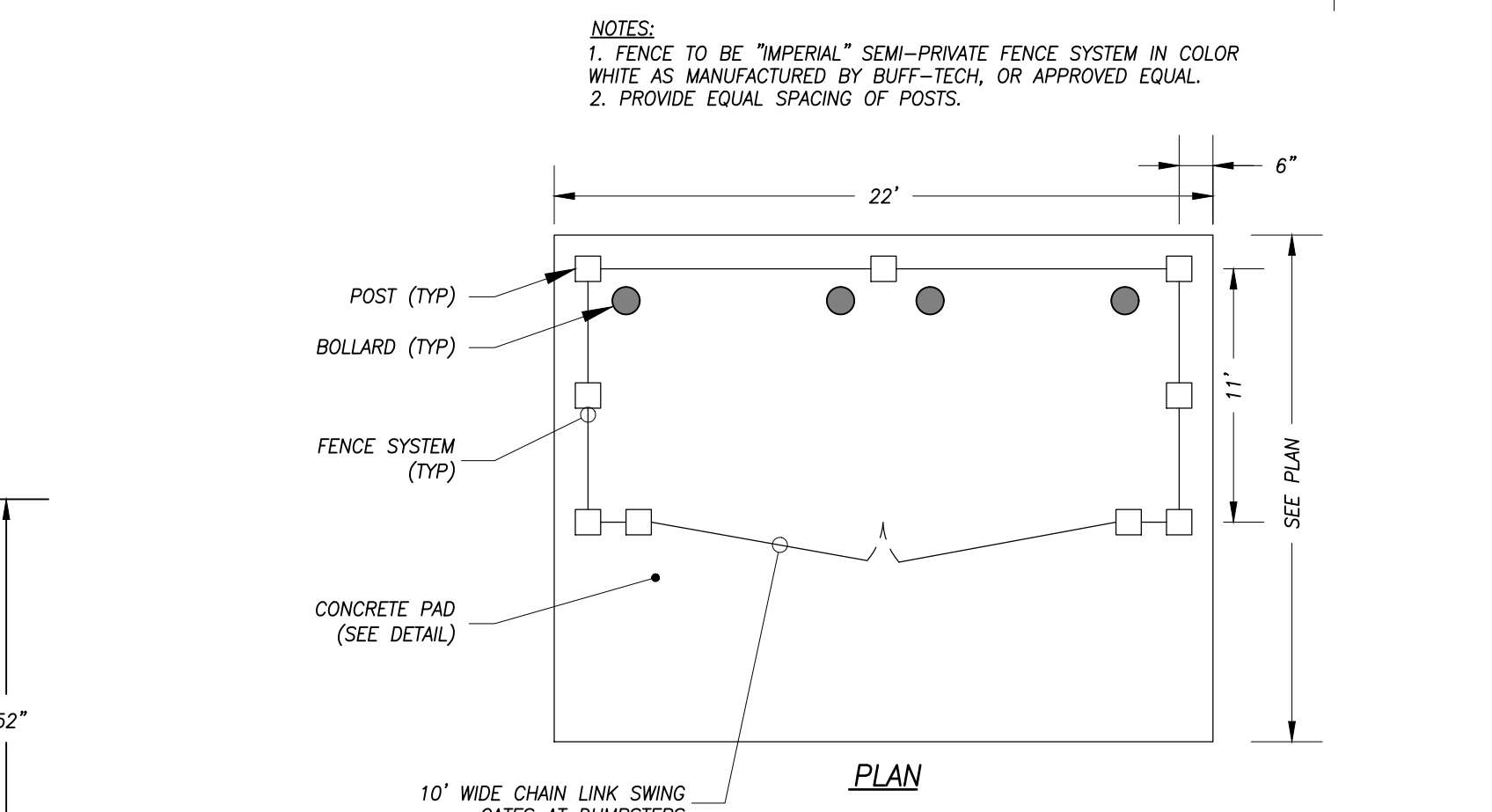
BOLLARD DETAIL
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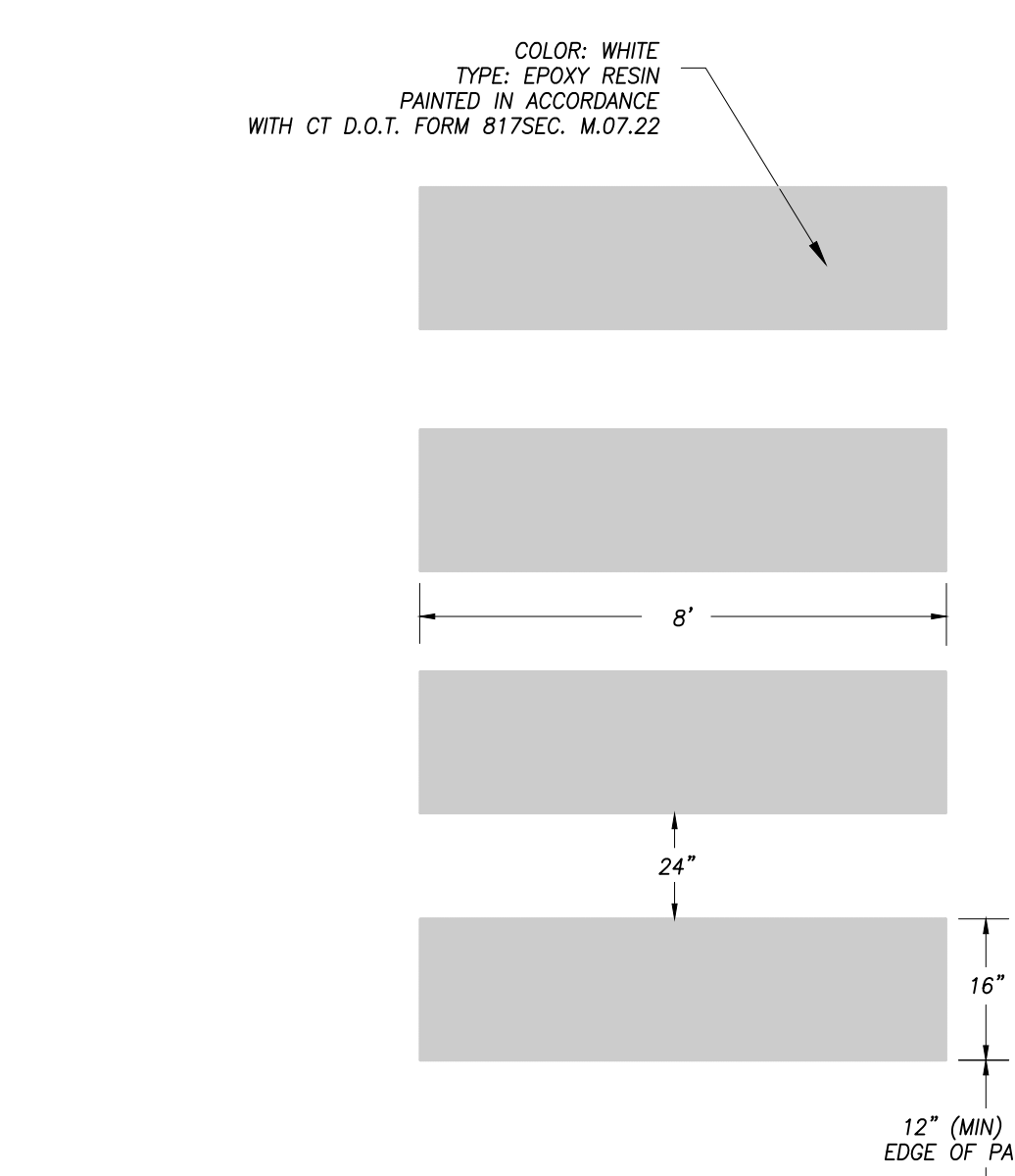
ACCESSIBLE PARKING SIGN DETAIL
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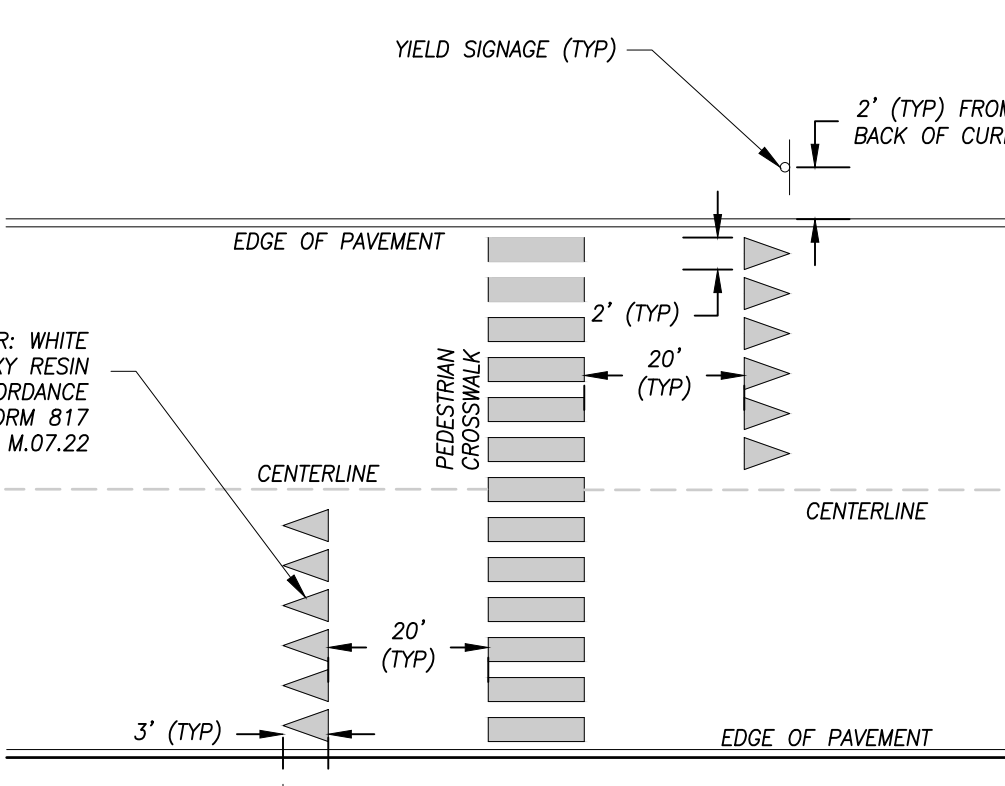
SPLIT RAIL FENCE DETAIL
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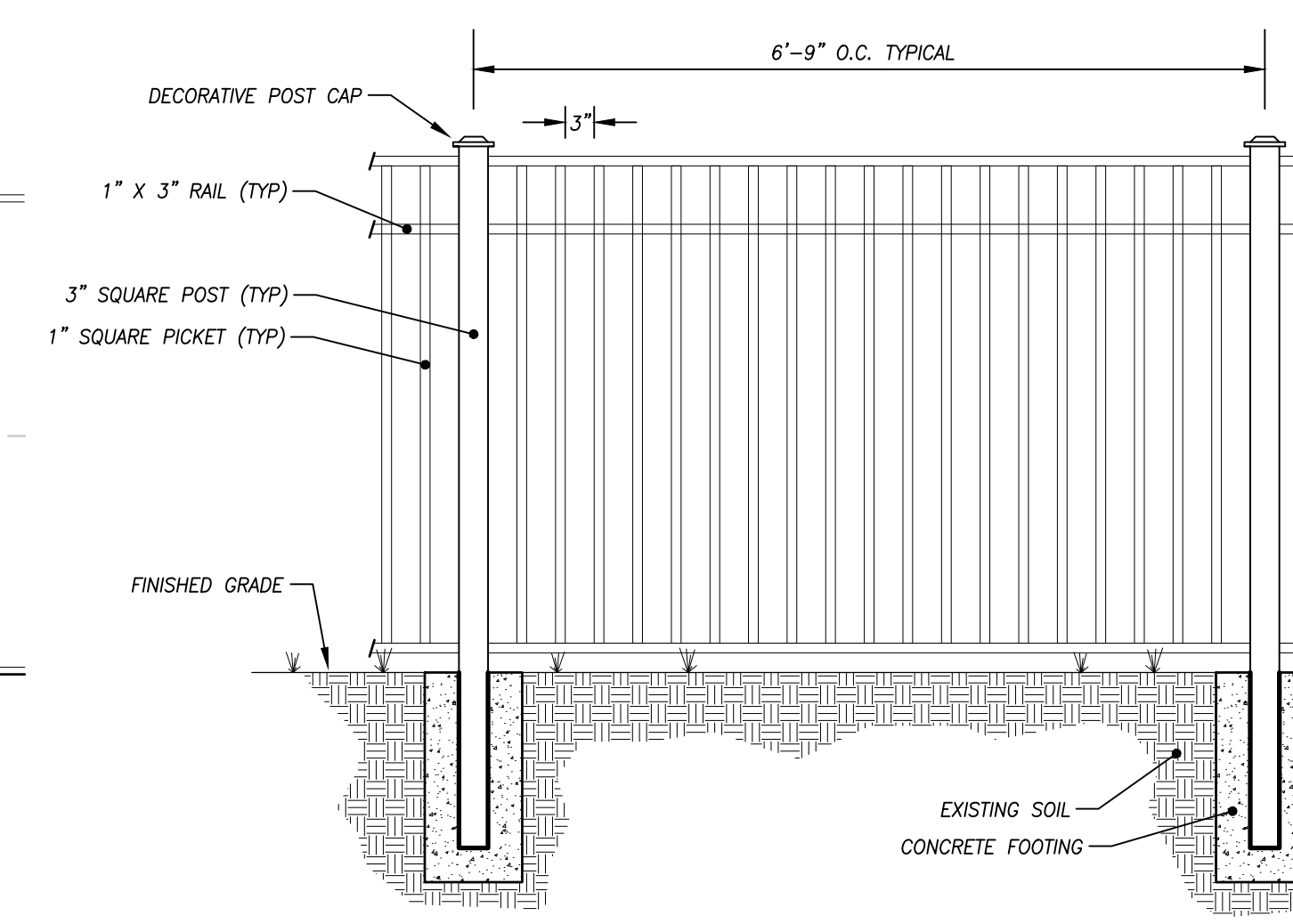
DUMPSTER ENCLOSURE DETAIL
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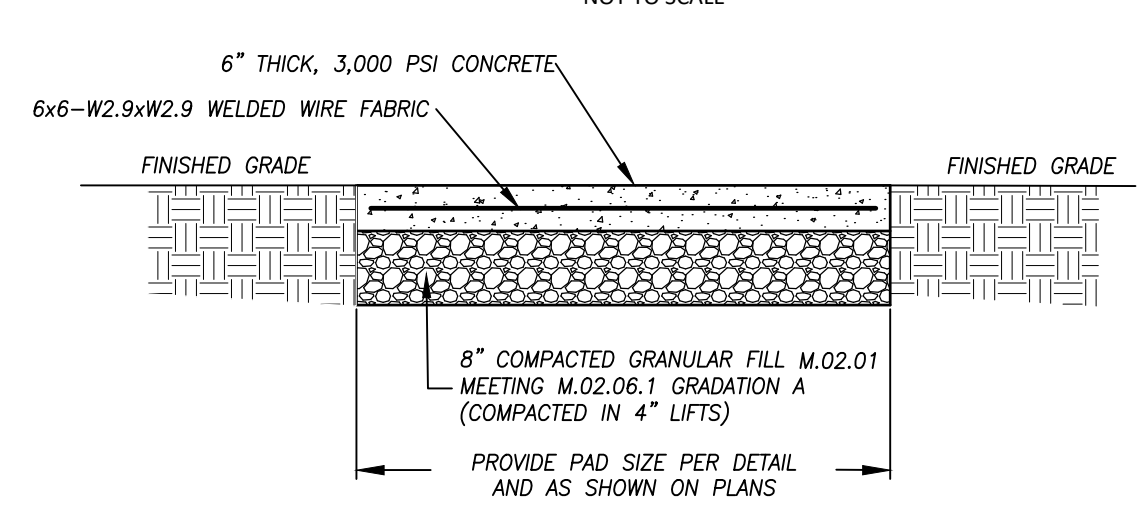
CROSSWALK DETAIL
 NOT TO SCALE



CROSSWALK YIELD DETAIL
 NOT TO SCALE



DECORATIVE FENCE DETAIL
 NOT TO SCALE

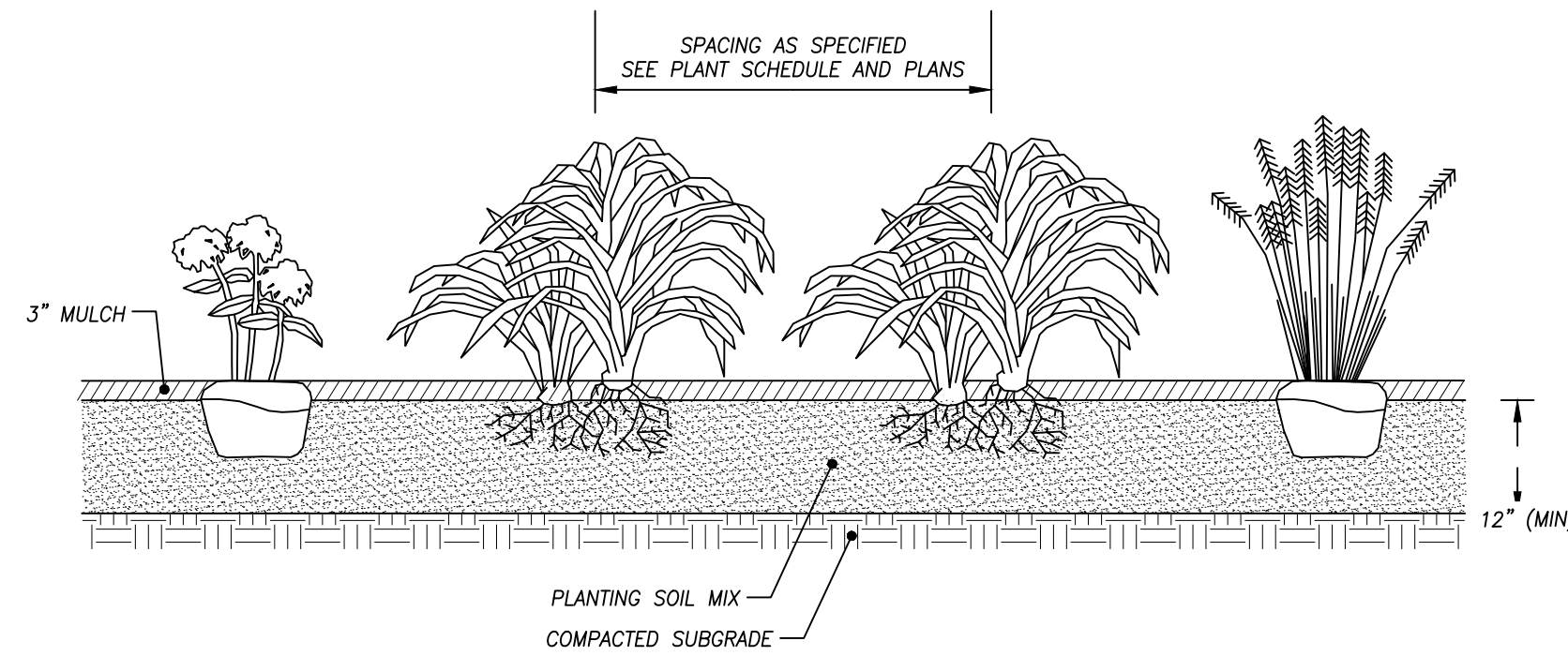


CONCRETE DUMPSTER PAD DETAIL
 NOT TO SCALE

NOT FOR CONSTRUCTION
 1/15/2021

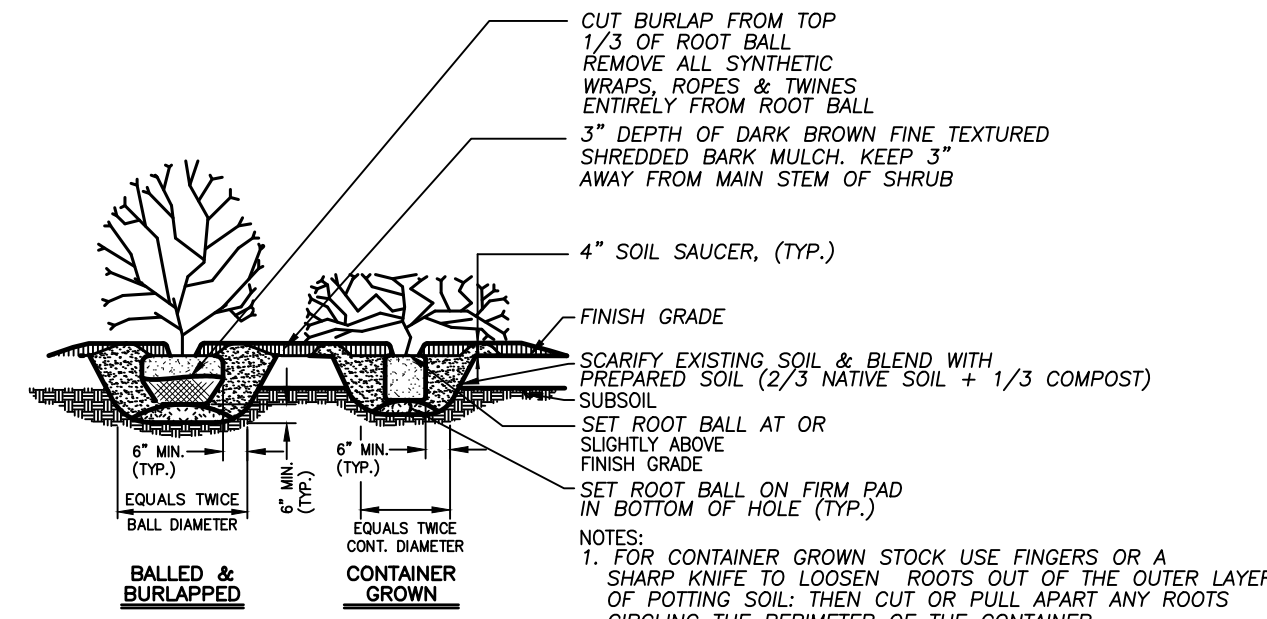
PLAN NOTES
 1. SEE COVER SHEET FOR ENGINEER AND SURVEYOR SIGNATURES AND SEALS.
 2. SEE SHEET 2 FOR LEGEND & ABBREVIATIONS.

P:\CIVIL 3D PROJECTS\2020\20-2853 EDgewater-APARTMENTS\DWG\DESIGN\4 NOTES AND DETAILS.DWG



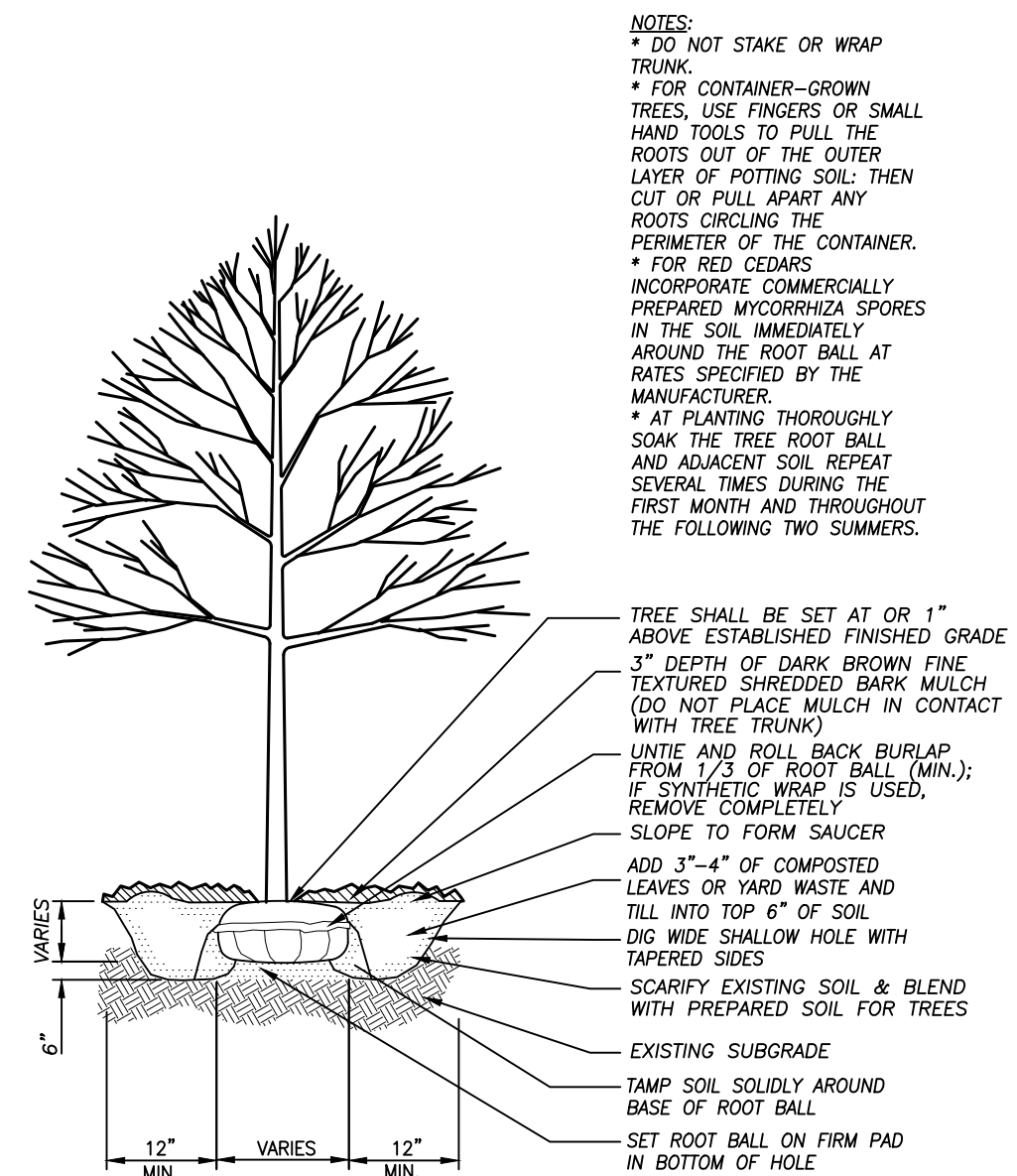
- NOTES:**
1. ROTOTILL FERTILIZER AND LIME INTO SOIL PRIOR TO PLANTING IN ACCORDANCE WITH SOIL ANALYSIS RECOMMENDATIONS.
 2. DO NOT OVER-COMPACT PLANTING BED. WATER THOROUGHLY AFTER PLANTING.
 3. ADJUST PLANTING DEPTH AS RECOMMENDED BY SUPPLIER.
 4. MULCH SHALL NOT COME INTO CONTACT WITH CROWNS OF PERENNIALS.

PERENNIAL/GROUNDCOVER PLANTING DETAIL
NOT TO SCALE



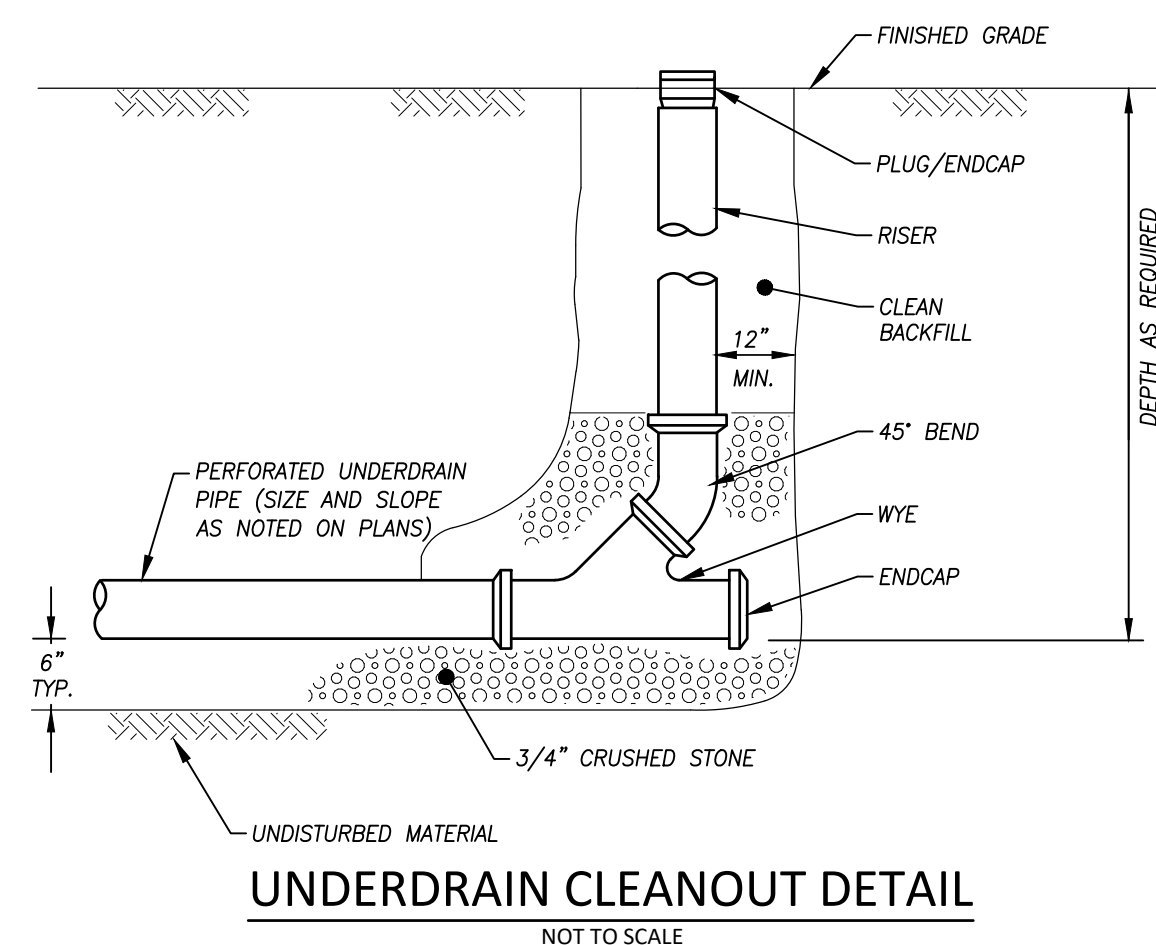
- NOTES:**
1. FOR CONTAINER-GROWN STOCK USE FINGERS OR A SHARP KNIFE TO LOOSEN ROOTS OUT OF THE OUTER LAYER OF POTTING SOIL; THEN CUT OR PULL APART ANY ROOTS CIRCLING THE PERIMETER OF THE CONTAINER.
 2. AT PLANTING THOROUGHLY SOAK THE ROOT MASS AND ADJACENT SOIL. REPEAT SEVERAL TIMES DURING THE FIRST MONTH AND THROUGHOUT THE FOLLOWING TWO SUMMERS.

SHRUB PLANTING DETAIL
NOT TO SCALE

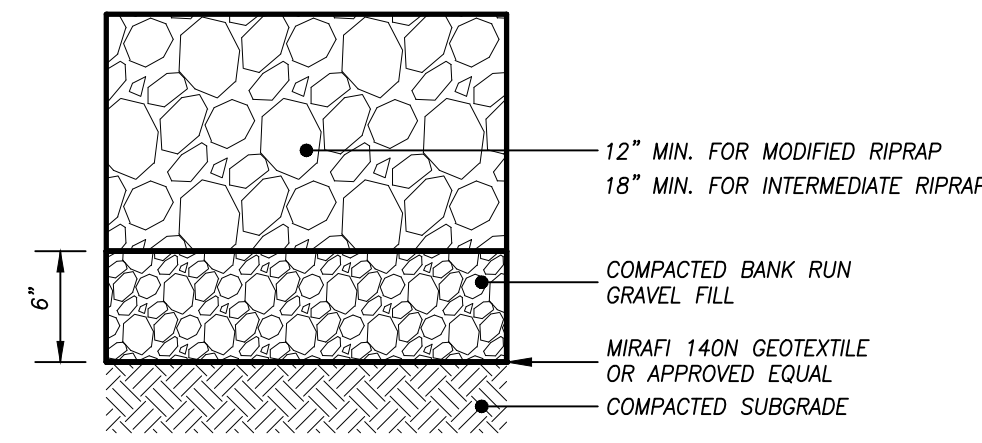


- NOTES:**
- * DO NOT STAKE OR WRAP TRUNK.
 - * FOR CONTAINER-GROWN TREES, USE FINGERS OR SMALL HAND TOOLS TO PULL THE ROOTS OUT OF THE OUTER LAYER OF POTTING SOIL; THEN CUT OR PULL APART ANY ROOTS CIRCLING THE PERIMETER OF THE CONTAINER.
 - * FOR RED CEDARS INCORPORATE COMMERCIALY PREPARED MYCORRHIZA SPORES IN THE SOIL IMMEDIATELY AROUND THE ROOT BALL AT RATES SPECIFIED BY THE MANUFACTURER.
 - * AT PLANTING THOROUGHLY SOAK THE TREE ROOT BALL AND ADJACENT SOIL. REPEAT SEVERAL TIMES DURING THE FIRST MONTH AND THROUGHOUT THE FOLLOWING TWO SUMMERS.

TREE PLANTING DETAIL
NOT TO SCALE

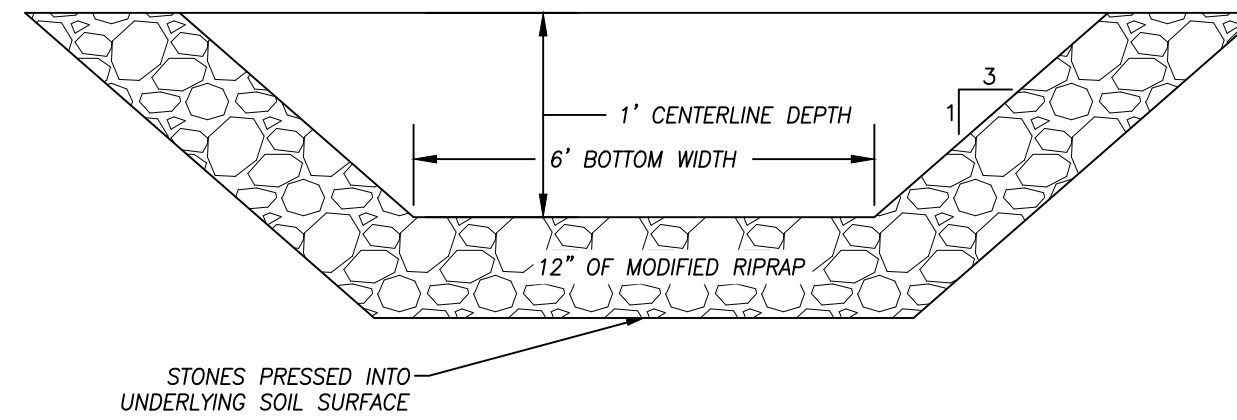


UNDERDRAIN CLEANOUT DETAIL
NOT TO SCALE

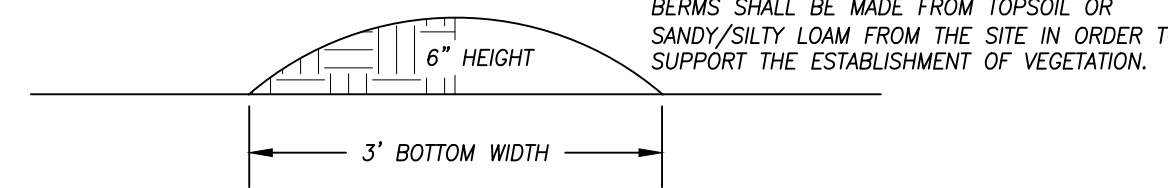


- NOTES:**
1. TO BE USED AT PIPE DISCHARGES AND RIP RAP SWALE. SEE PLAN FOR APRON DIMENSIONS.

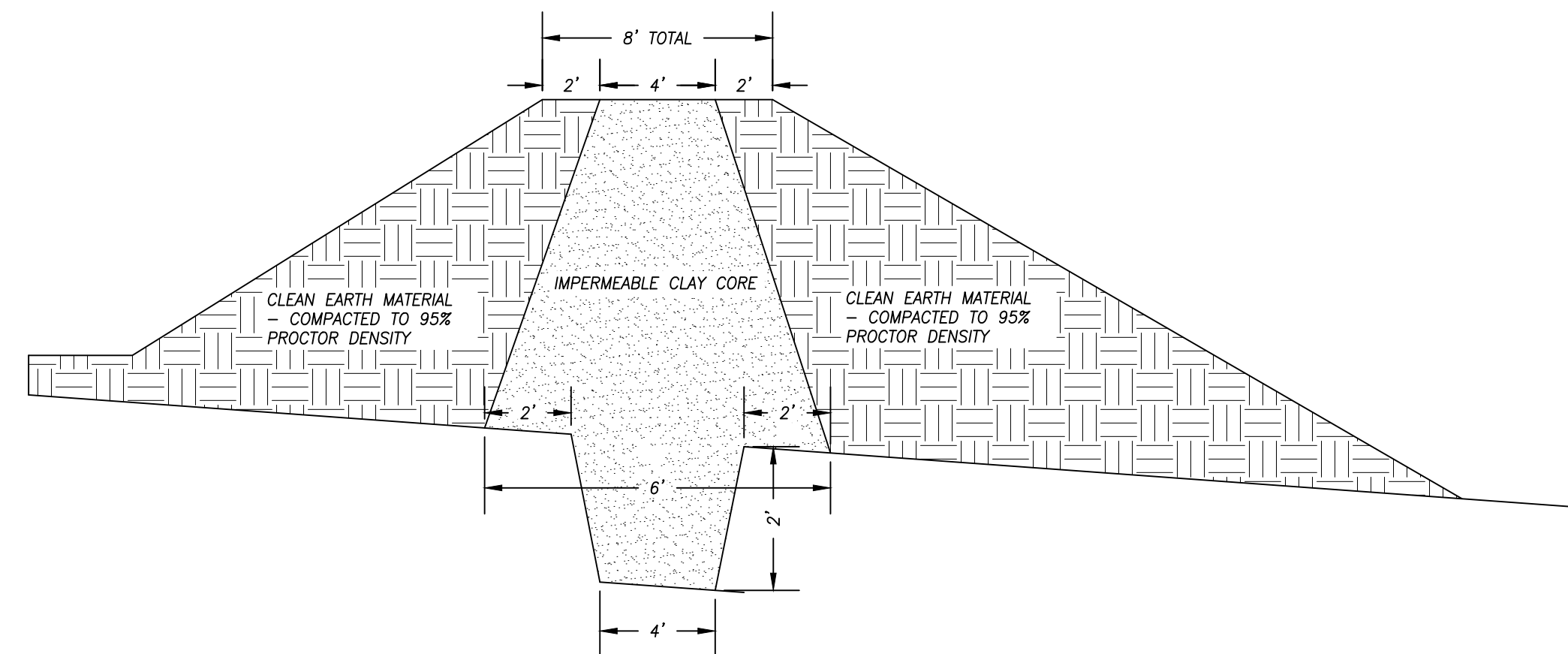
TYPICAL RIPRAP SECTION
NOT TO SCALE



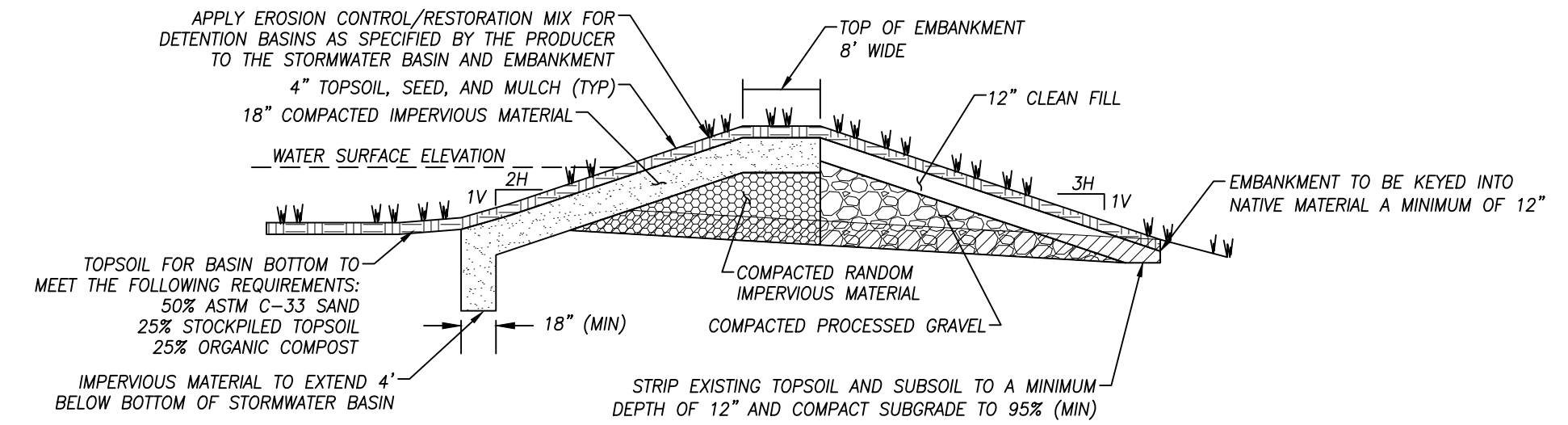
MODIFIED RIP RAP SWALE DETAIL
NOT TO SCALE



DETAIL OF EARTH BERMS IN CONSTRUCTED WETLAND SYSTEM
NOT TO SCALE



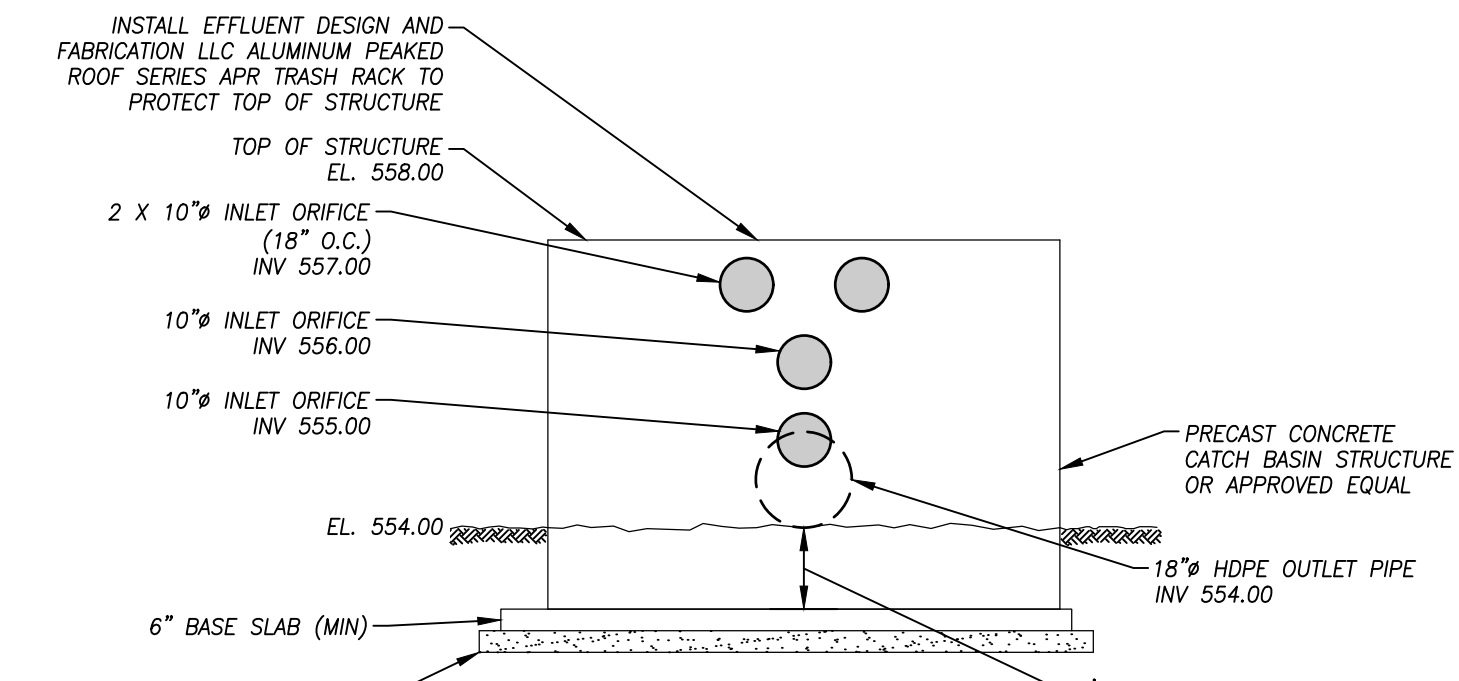
SECTION THROUGH STORMWATER BASIN 1 EMBANKMENT SHOWING IMPERMEABLE CORE
NOT TO SCALE



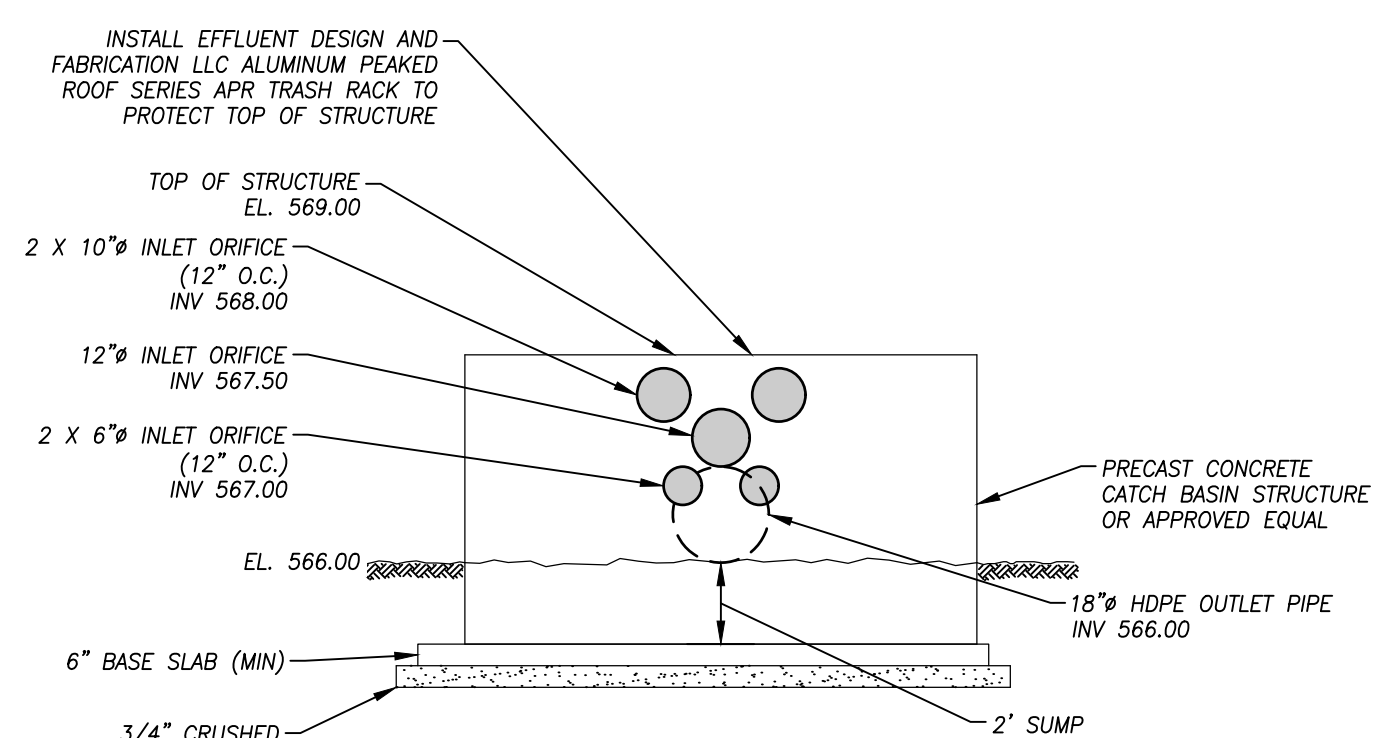
- NOTES:**
1. REMOVE VEGETATION, DEBRIS, ORGANIC MATERIALS, AND TOPSOIL TO A MINIMUM OF 12" BELOW EXISTING GRADE PRIOR TO EMBANKMENT CONSTRUCTION. COMPACTED EXPOSED SUBSOIL AND SCARIFY SURFACE.
 2. FILL MATERIALS SHALL BE PLACED IN LIFTS NOT EXCEEDING 12". PRIOR TO COMPACTION EACH LIFT SHALL BE MOISTENED AS NECESSARY TO ACHIEVE THE OPTIMUM MOISTURE CONTENT. THE TOP 12" OF SUBGRADE AND EACH LIFT SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT AS DETERMINED IN ACCORDANCE WITH ASTM D1557. FILL MATERIAL SHALL NOT BE PLACED ON SURFACES THAT ARE MUDDY, FROZEN, OR CONTAINING FROST, ICE, OR ORGANICS.
 3. CLEAN FILL MATERIAL SHALL BE FREE OF ORGANICS AND NO STONES GREATER THAN 3".
 4. PROCESSED GRAVEL SHALL MEET THE REQUIREMENTS OF CT DOT FORM 817 M.O.D.06 GRADATION A.
 5. IMPERVIOUS MATERIAL SHALL BE DENSE GRADED AND HAVE A PERMEABILITY RATE OF 1 X 10-4 CM/SEC OR LESS, HAVE A PERCENTAGE OF MATERIALS PASSING THE NO. 200 SIEVE OF GREATER THAN 10%, AND AN EFFECTIVE GRAIN SIZE DIAMETER (D10) OF 0.05 MM OR LESS. IT SHALL BE FREE OF ORGANICS AND SHALL HAVE NO STONES GREATER THAN 2".
 6. RANDOM IMPERVIOUS MATERIAL SHALL BE DENSE GRADED AND FREE OF ORGANICS WITH NO STONES LARGER THAN 2". MATERIAL SHALL MEET ONE OF THE FOLLOWING GRADATIONS:

Sieve Size	Percent Passing	1-1/4" Processed Aggregate	2" Processed Aggregate
2-1/2"	100	100	100
2"	100	96	96
1-1/2"	99	91	91
1"	61	67	67
3/4"	51	58	58
1/4"	40	33	33
#40	16	15	15
#200	7	5	5

STORMWATER BASIN 2 EMBANKMENT DETAIL
NOT TO SCALE



OUTLET CONTROL STRUCTURE 1
NOT TO SCALE

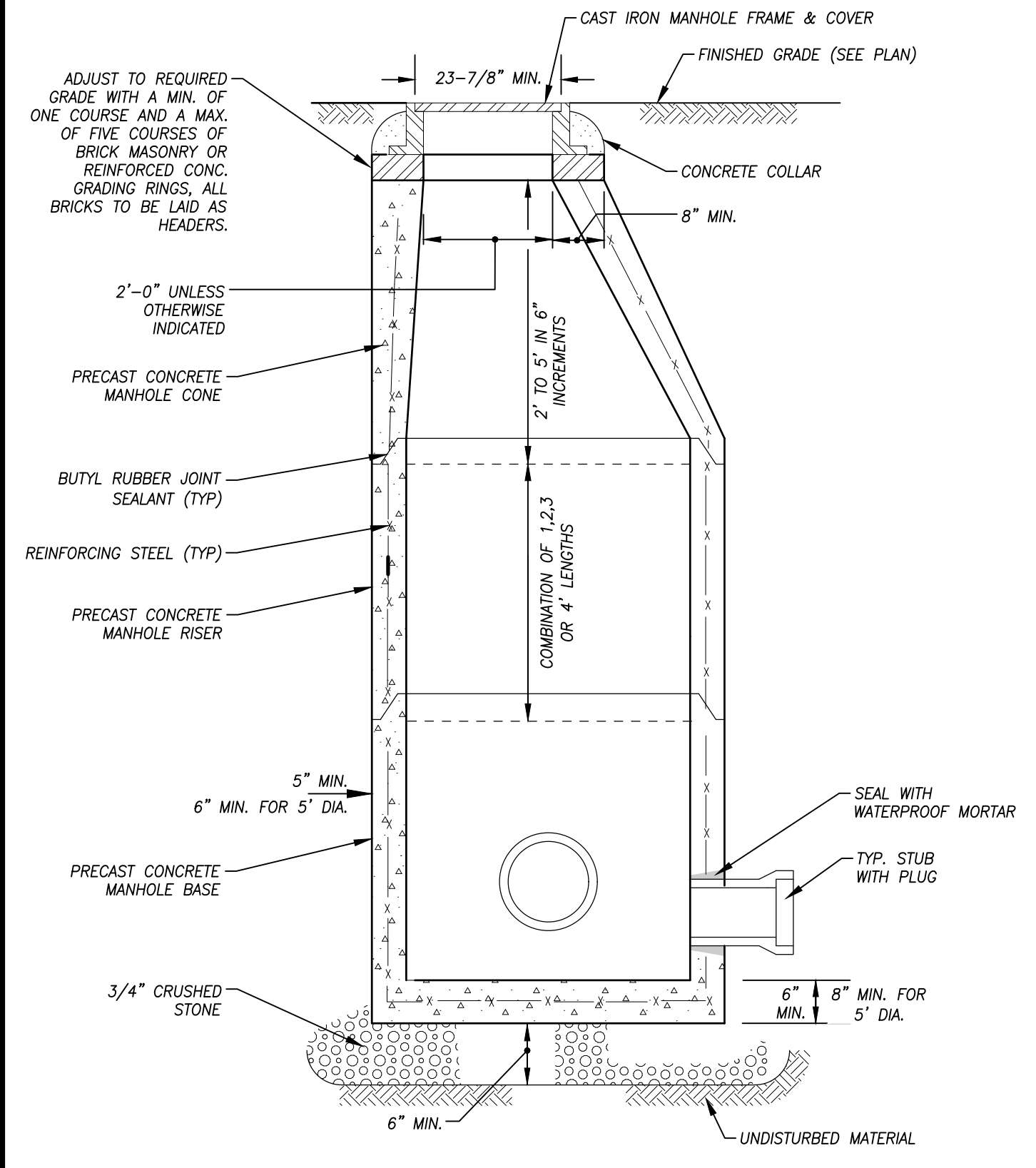


OUTLET CONTROL STRUCTURE 2
NOT TO SCALE

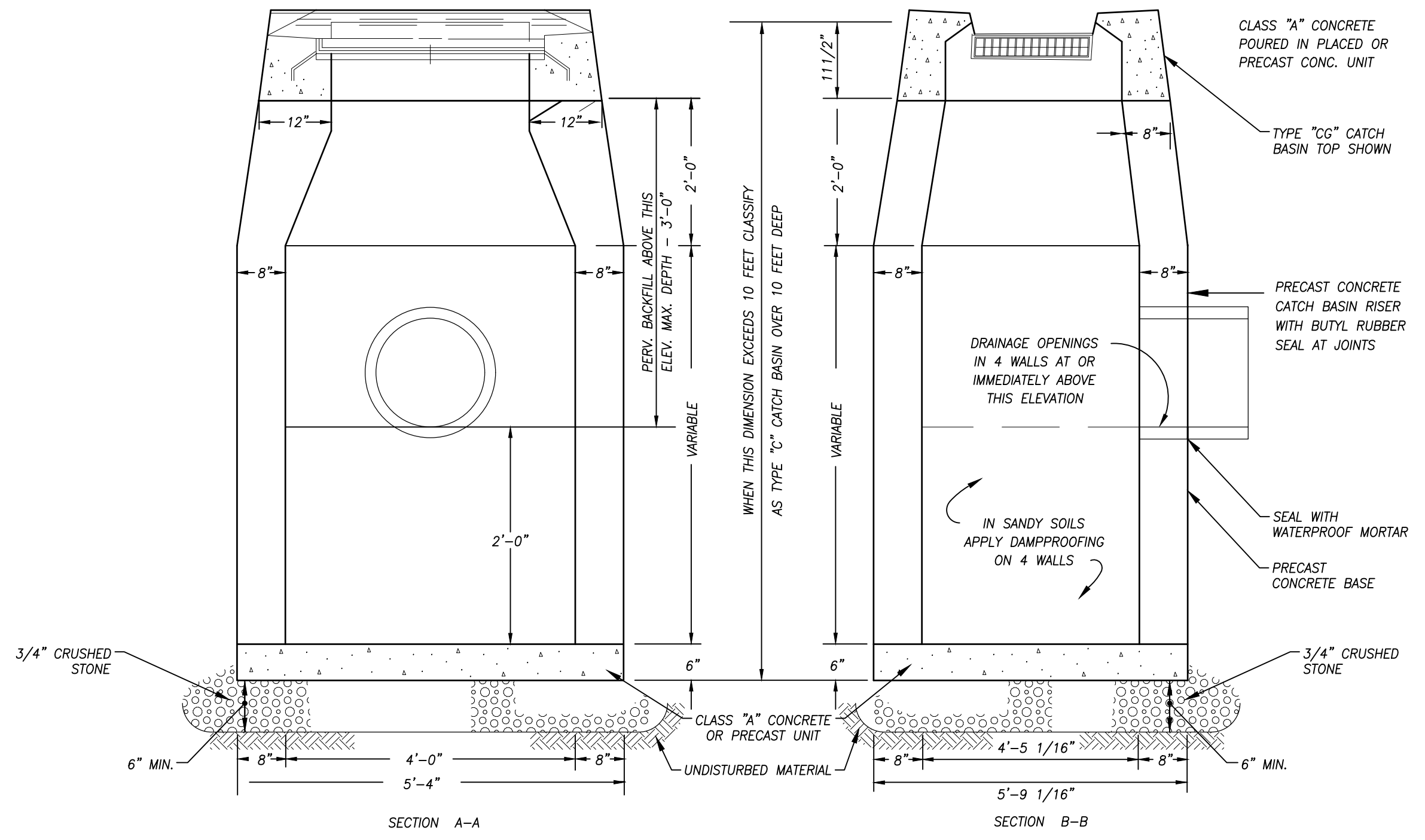
NOT FOR CONSTRUCTION
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- PLAN NOTES**
1. SEE COVER SHEET FOR ENGINEER AND SURVEYOR SIGNATURES AND SEALS.
 2. SEE SHEET 2 FOR LEGEND & ABBREVIATIONS.

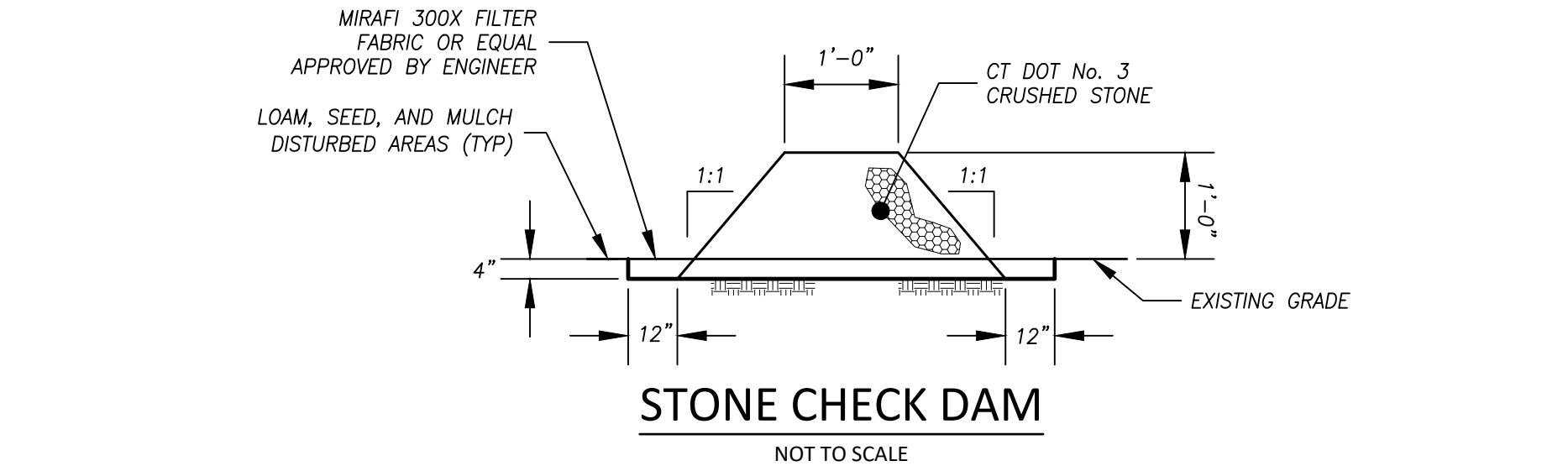
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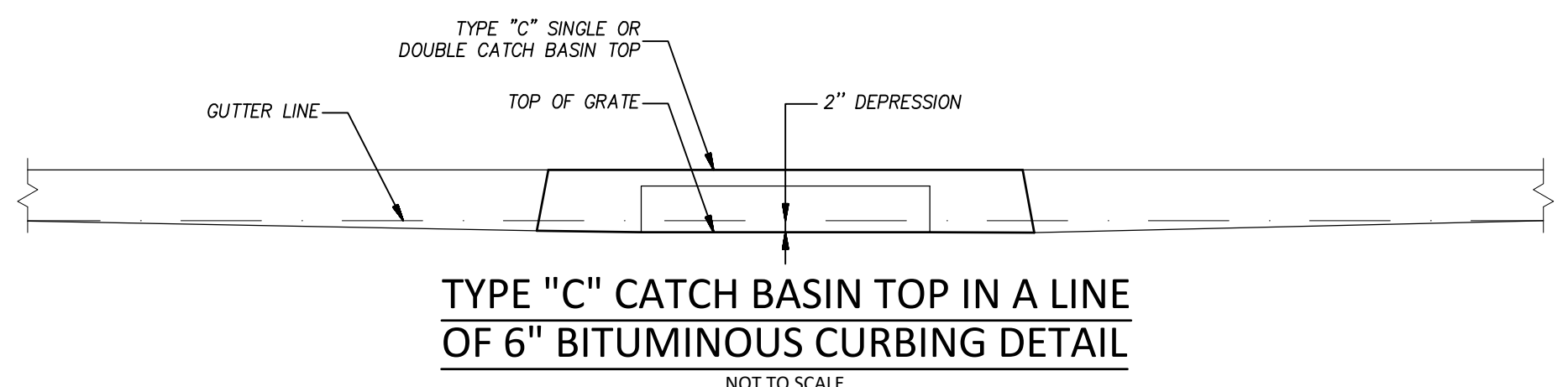
PRECAST CONCRETE STORM DRAIN MANHOLE DETAIL
 NOT TO SCALE



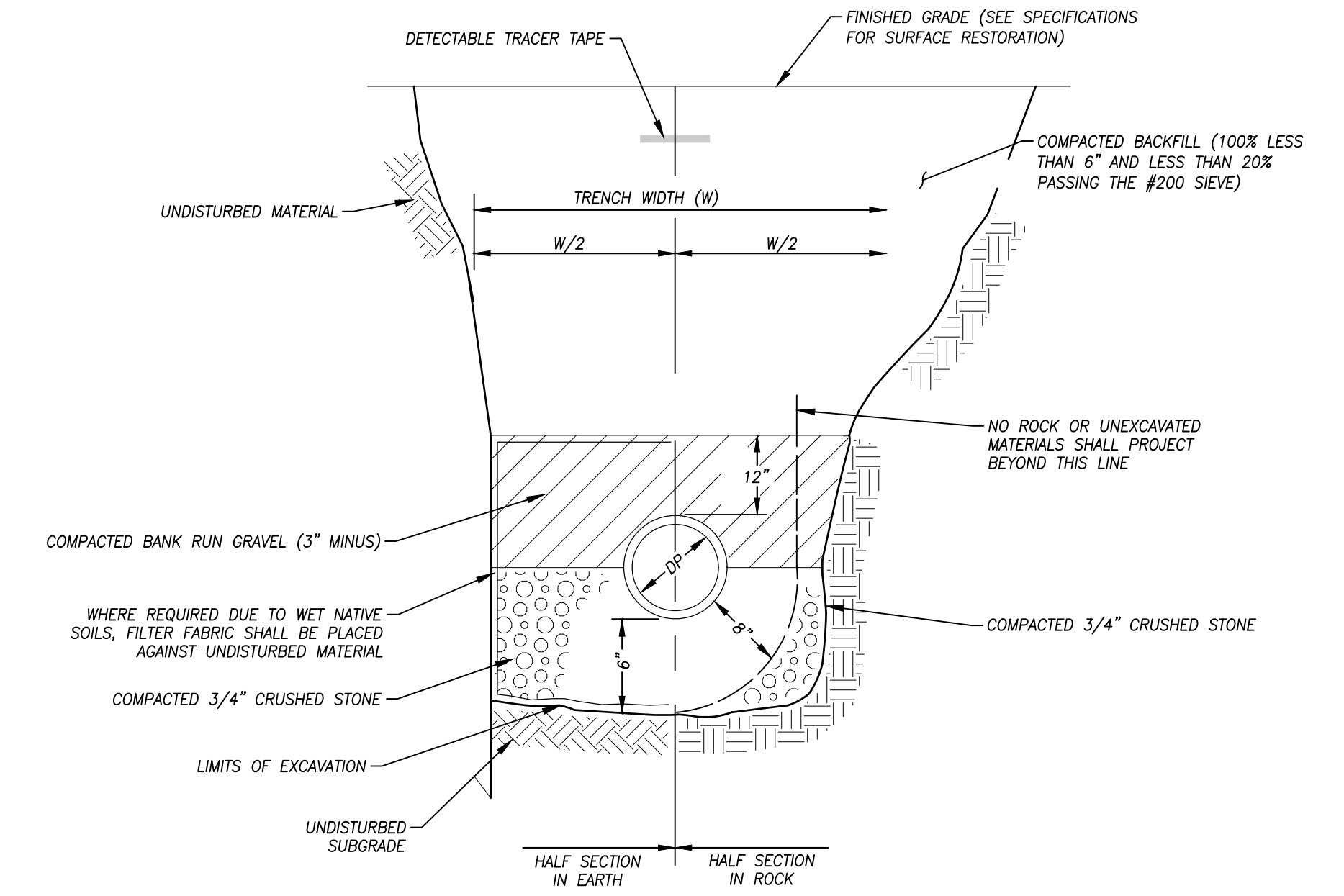
PRECAST CATCH BASIN DETAIL
 NOT TO SCALE



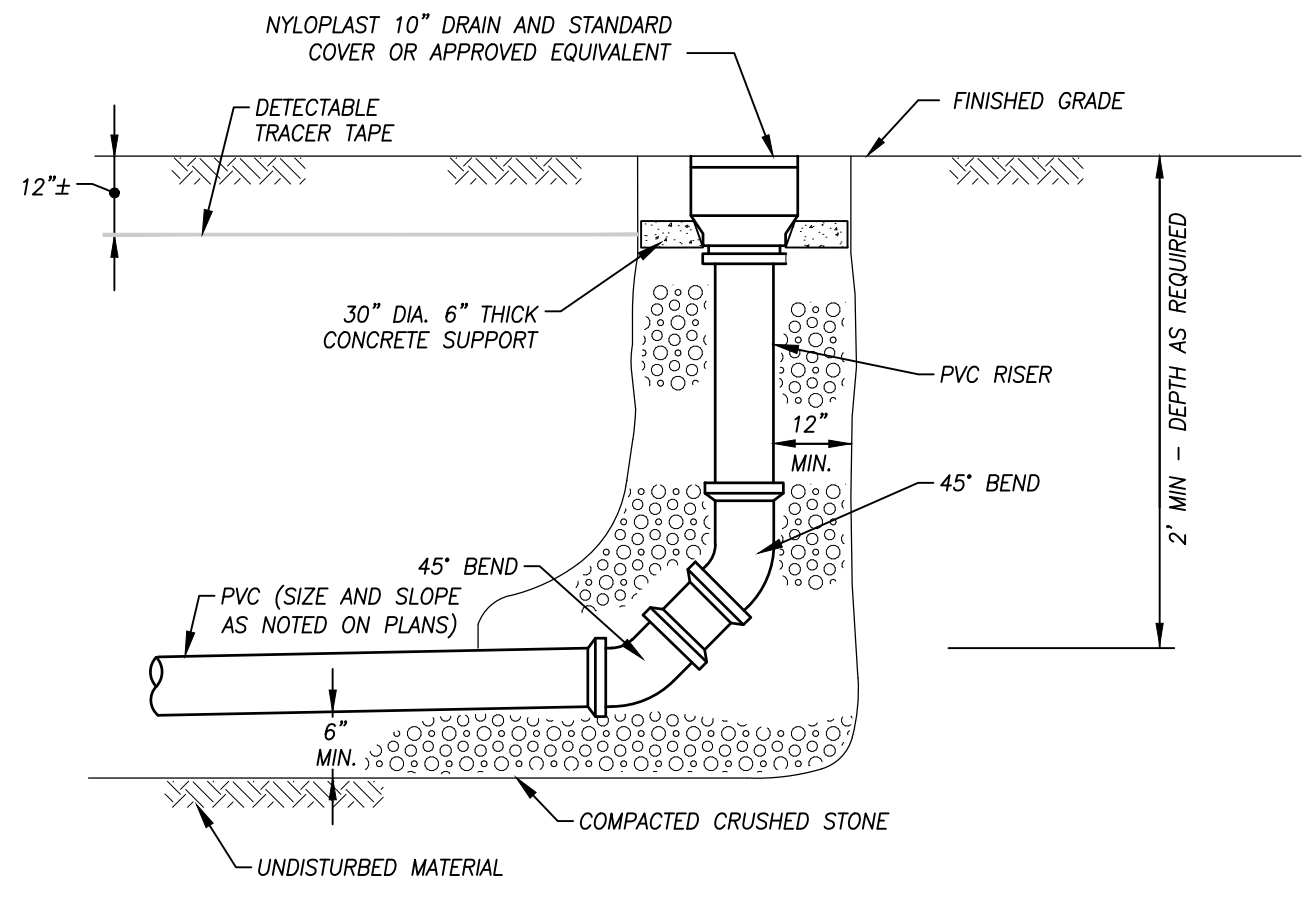
STONE CHECK DAM
 NOT TO SCALE



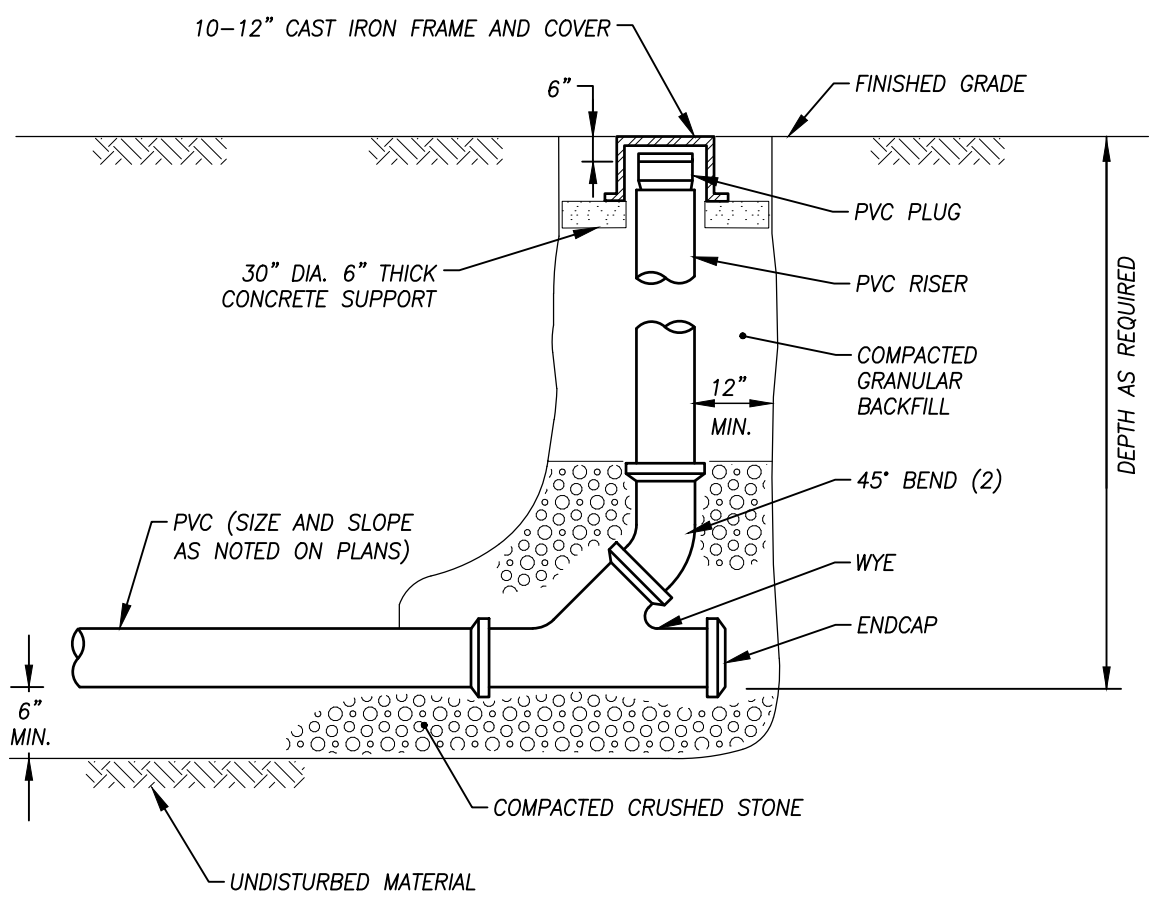
TYPE "C" CATCH BASIN TOP IN A LINE OF 6" BITUMINOUS CURBING DETAIL
 NOT TO SCALE



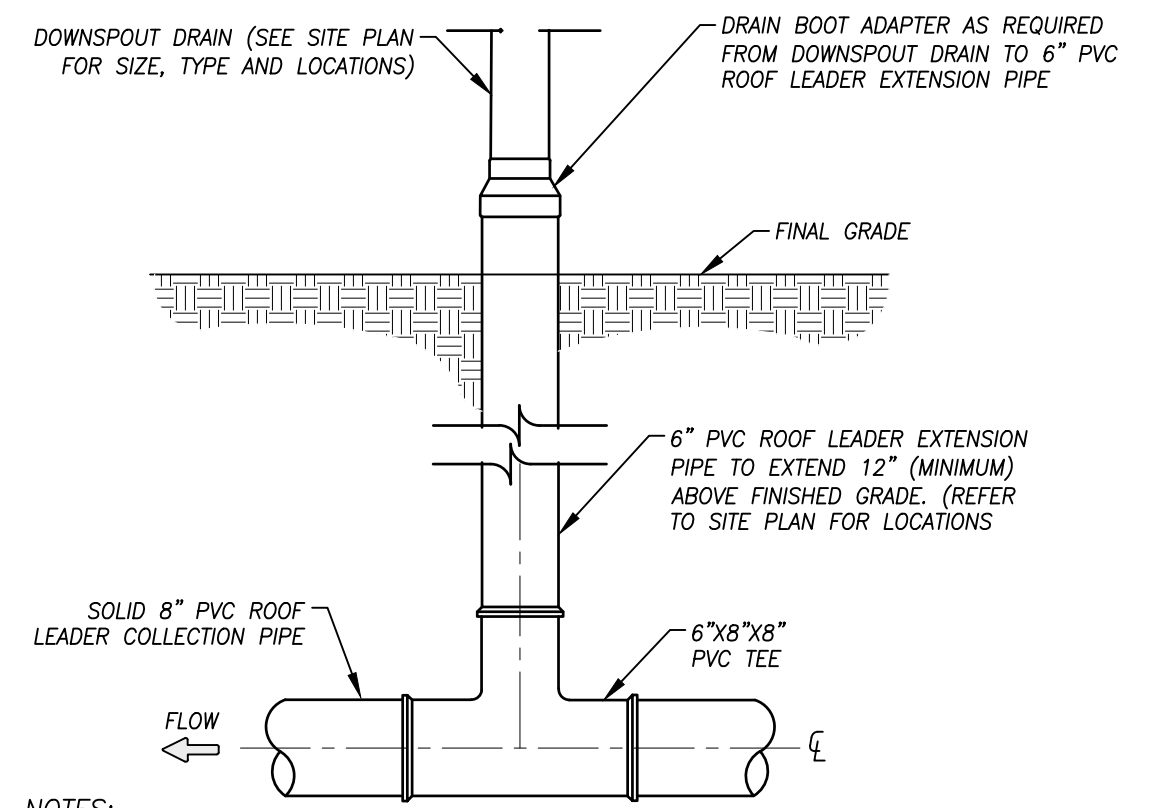
TRENCH DETAIL (STORM DRAINAGE)
 NOT TO SCALE



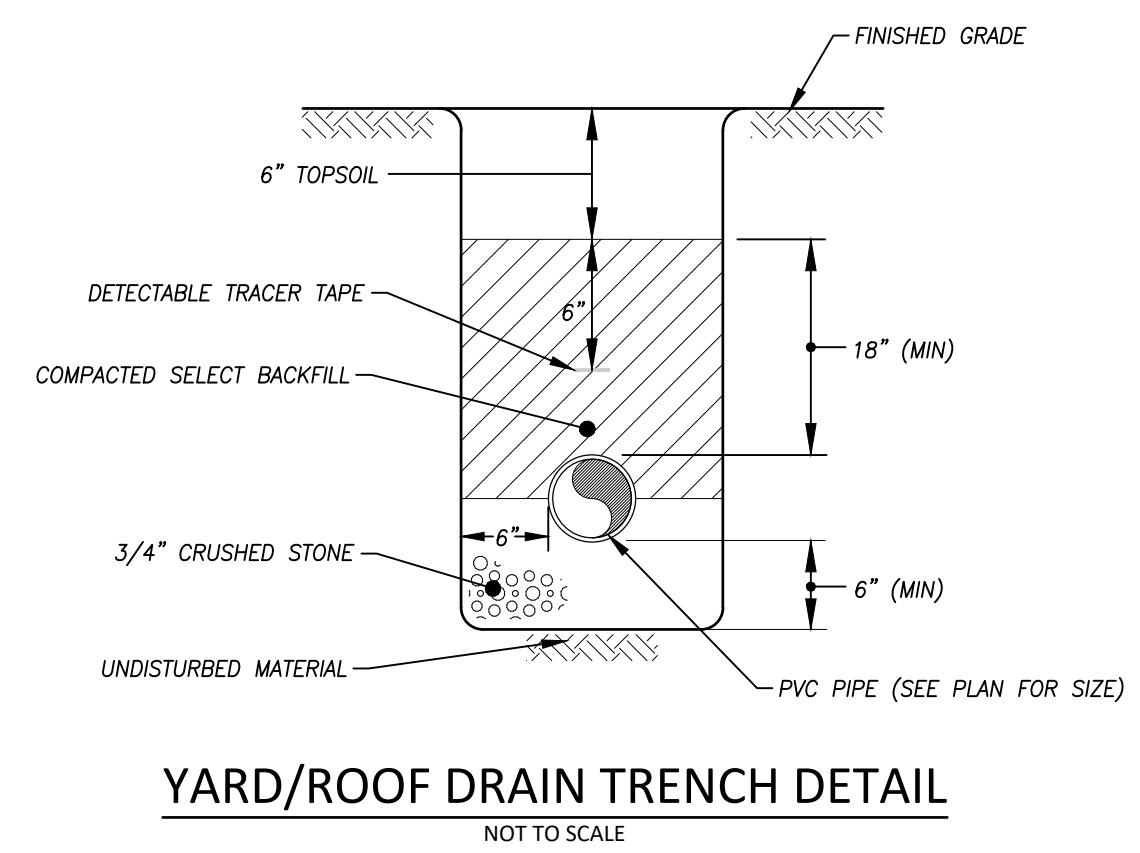
YARD DRAIN DETAIL
 NOT TO SCALE



CLEANOUT DETAIL
 NOT TO SCALE



DOWNSPOUT CONENCTION & PERIMETER ROOF DRAIN DETAIL
 NOT TO SCALE



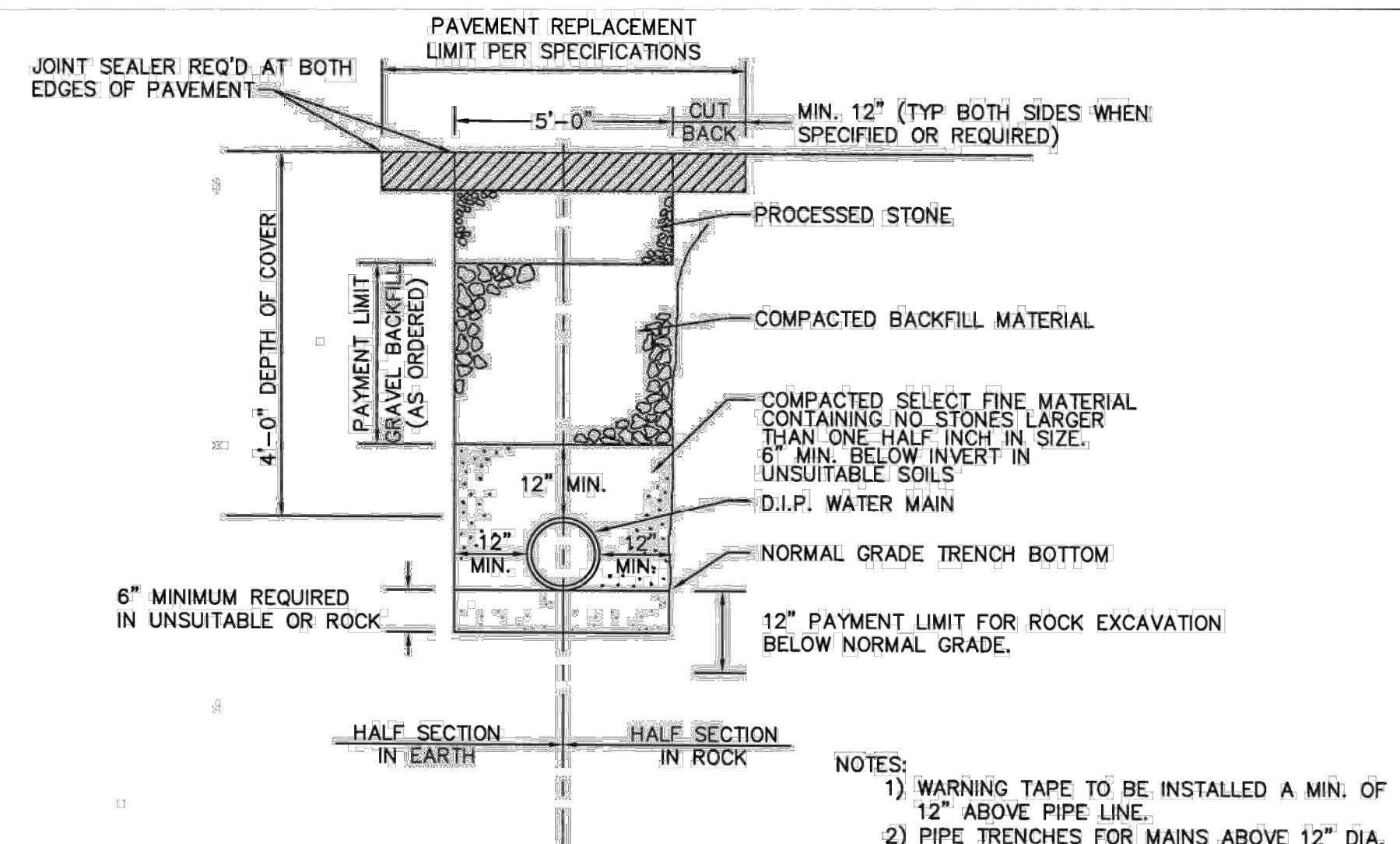
YARD/ROOF DRAIN TRENCH DETAIL
 NOT TO SCALE

NOTES:
 1. ALL PVC DRAINAGE PIPE SHALL BE SCHEDULE 40 ASTM D1785 OR APPROVED EQUAL.
 2. DOWNSPOUT DETAILS OR SIZES PROVIDED ON SITE PLAN DRAWINGS SHALL SUPERSEDE INFORMATION IN THIS DETAIL.

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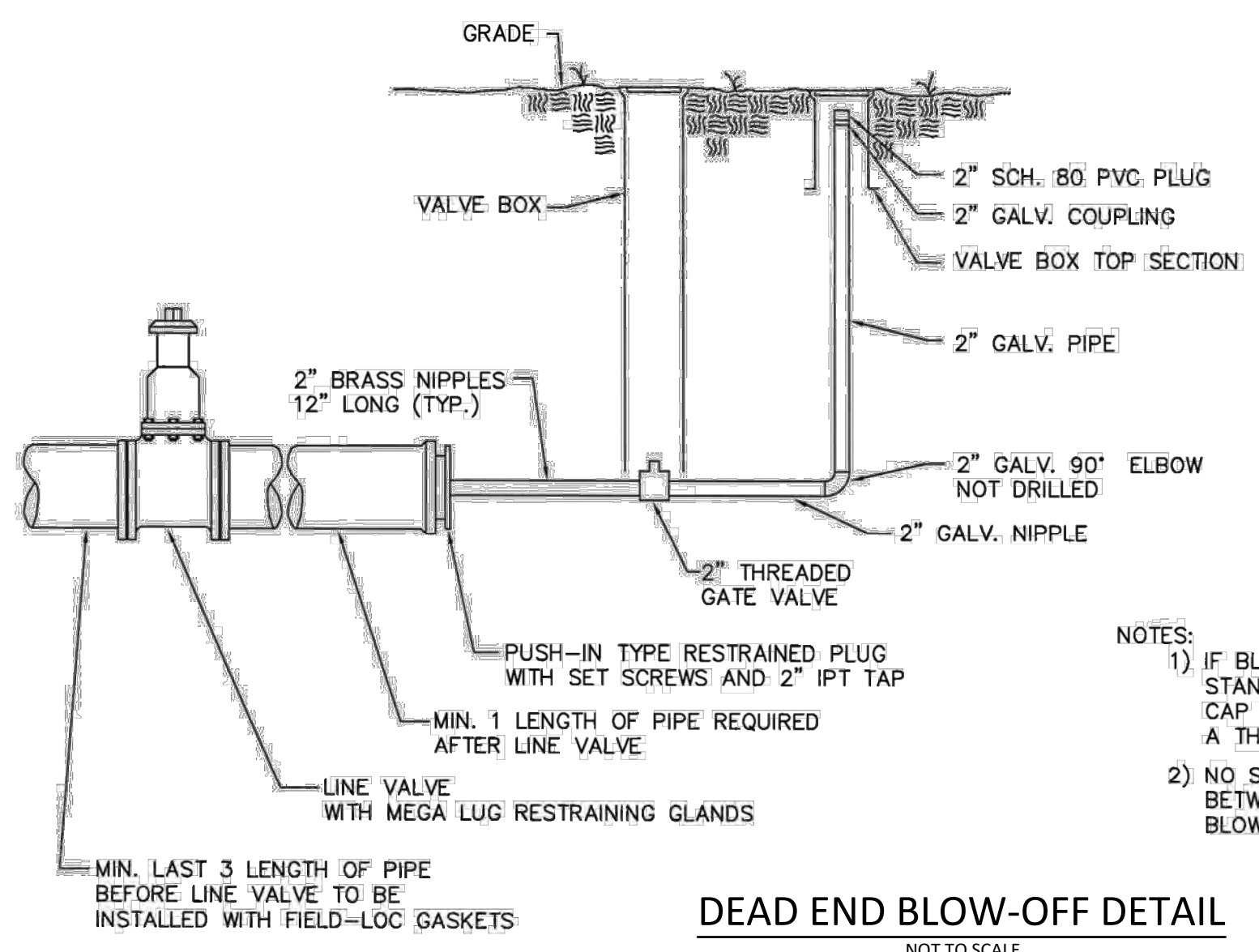
PLAN NOTES
 1. SEE COVER SHEET FOR ENGINEER AND SURVEYOR SIGNATURES AND SEALS.
 2. SEE SHEET 2 FOR LEGEND & ABBREVIATIONS.

SCALE:	As Noted
DATE:	December 2020
JOB I.D. NO.:	20-2853
Revisions	
Rev. A - IWWC Comments & Stormwater Quality - 1/18/21	

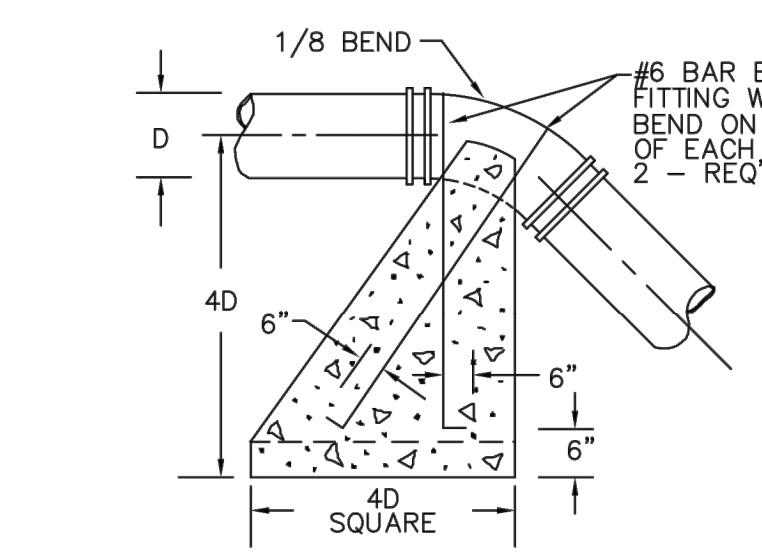
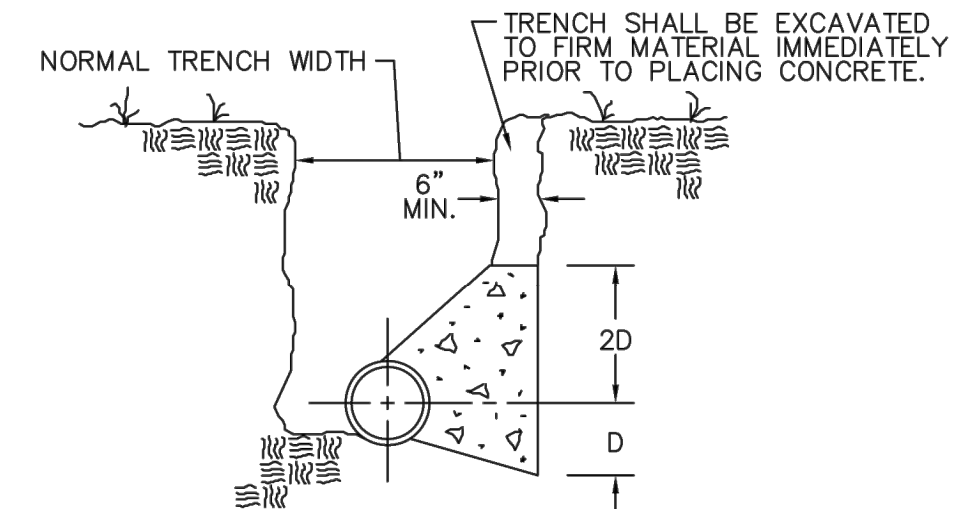
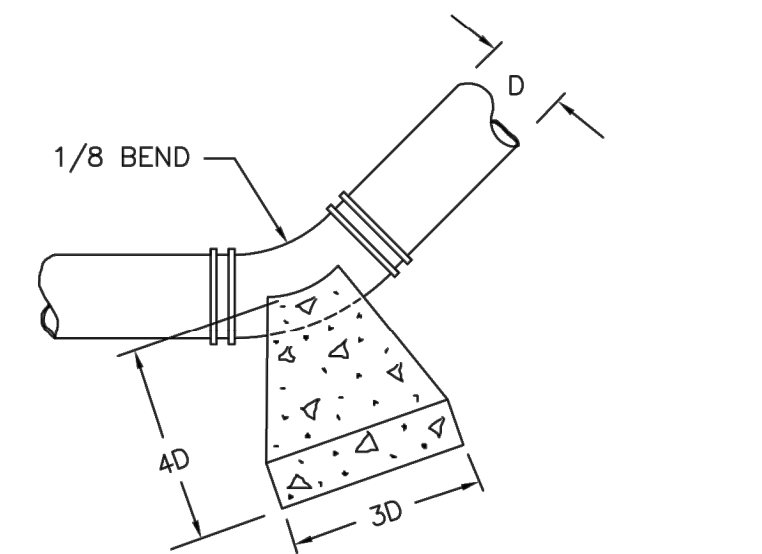


WATER MAIN INSTALLATION DETAIL
NOT TO SCALE

- NOTES:
- 1) WARNING TAPE TO BE INSTALLED A MIN. OF 12" ABOVE PIPE LINE.
 - 2) PIPE TRENCHES FOR MAINS ABOVE 12" DIA. WILL EXCEED 5 FT. TOTAL DEPTH.
 - 3) ALL DUCTILE IRON WATER MAIN AND FITTINGS ARE TO BE POLYWRAPPED.

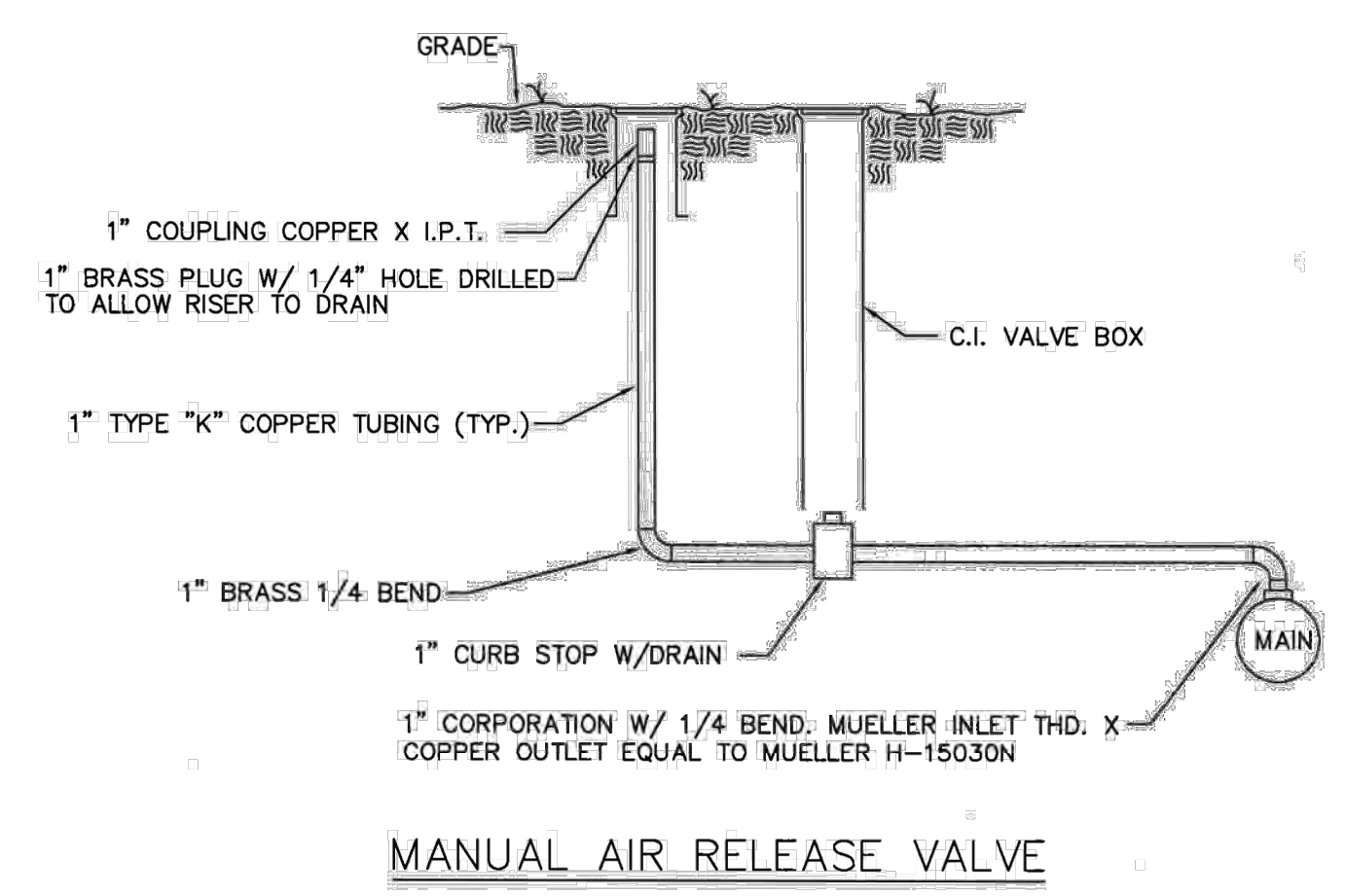


- NOTES:
- 1) IF BLOW-OFF IS NOT REQUIRED, STANDARD PUSH IN PLUG OR CAP CAN BE INSTALLED WITH A THRUST BLOCK.
 - 2) NO SERVICE CONNECTIONS BETWEEN LINE VALVE, AND BLOW-OFF ASSEMBLY.



- NOTES:
- 1) 3000 PSI CONCRETE TO BE USED FOR THRUST BLOCKS.
 - 2) D-DIAMETER OF WATER MAIN.
 - 3) MEGA-LUG RESTRAINING GLANDS SHALL BE USED ON ALL MJ FITTINGS.
 - 4) SOLID CONCRETE BLOCKS WITH WEDGES WILL BE PERMITTED ON MAINS UP TO 10" ALL 12" OR LARGER SHALL BE POURED THRUST BLOCKS.
 - 5) LOCKING GASKETS SHALL BE INSTALLED A MIN. 2 FULL PIPE LENGTHS ON EITHER SIDE OF A BEND.

THRUST BLOCK DETAILS
NOT TO SCALE



AIR RELEASE DETAIL
NOT TO SCALE

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PLAN NOTES
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2. SEE SHEET 2 FOR LEGEND & ABBREVIATIONS.

SCALE:	As Noted
DATE:	December 2020
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SHEET NO.
25 / 25