GENERAL NOTES

1. NOTIFY CALL BEFORE YOU DIG AT 1-800-922-4455 AND OTHER UTILITY OWNERS IN THE AREA NOT ON THE CALL BEFORE YOU DIG LIST AT LEAST 72 HOURS PRIOR TO ANY DIGGING, TRENCHING, ROCK REMOVAL, DEMOLITION, BORING, BACKFILLING, GRADING, LANDSCAPING, OR ANY OTHER EARTH MOVING OPERATIONS.
2. LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE. IN ADDITION, SOME UTILITIES MAY NOT BE SHOWN. DETERMINE THE EXACT LOCATION OF UTILITIES BY TEST PIT OR OTHER METHODS, AS NECESSARY TO PREVENT DAMAGE TO UTILITIES AND/OR INTERRUPTIONS IN UTILITY SERVICE. PERFORM TEST PIT EXCAVATIONS AND OTHER INVESTIGATIONS TO LOCATE UTILITIES, AND PROVIDE THIS INFORMATION TO THE ENGINEER, PRIOR TO CONSTRUCTING THE PROPOSED IMPROVEMENTS. LOCATE ALL EXISTING UTILITIES TO BE CROSSED BY HAND EXCAVATION.
3. NOT ALL OF THE UTILITY SERVICES TO BUILDINGS ARE SHOWN. THE CONTRACTOR SHALL ANTICIPATE THAT EACH PROPERTY HAS SERVICE CONNECTIONS FOR THE VARIOUS UTILITIES.
4. BOLD TEXT AND LINES INDICATE PROPOSED WORK. LIGHT TEXT AND LINES INDICATE APPROXIMATE EXISTING CONDITIONS.
5. TIGHE & BOND ASSUMES NO RESPONSIBILITY FOR ANY ISSUES, LEGAL OR OTHERWISE, RESULTING FROM CHANGES MADE TO THESE DRAWINGS WITHOUT WRITTEN AUTHORIZATION FROM TIGHE & BOND.
6. EXCAVATE ADDITIONAL TEST PITS TO LOCATE EXISTING UTILITIES AS DIRECTED OR APPROVED BY THE ENGINEER.
7. NOTIFY THE ENGINEER OF ANY UTILITIES IDENTIFIED DURING CONSTRUCTION THAT ARE NOT SHOWN ON THE DRAWINGS OR THAT DIFFER IN SIZE OR MATERIAL.
8. THE CONTRACTOR IS RESPONSIBLE FOR SITE SAFETY; COORDINATION WITH THE OWNER, ALL SUBCONTRACTORS, AND WITH OTHER CONTRACTORS WORKING WITHIN THE LIMITS OF WORK, THE MEANS AND METHODS OF CONSTRUCTING THE PROPOSED WORK.
9. OBTAIN, PAY FOR AND COMPLY WITH PERMITS, NOTICES AND FEES NECESSARY TO COMPLETE THE WORK. ARRANGE AND PAY FOR NECESSARY INSPECTIONS AND APPROVALS FROM THE JURISDICTIONAL AUTHORITIES.
10. SHORE UTILITY TRENCHES WHERE FIELD CONDITIONS DICTATE AND/OR WHERE REQUIRED BY LOCAL, STATE AND FEDERAL HEALTH AND SAFETY CODES.
11. FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION. IF FIELD CONDITIONS ARE OBSERVED THAT VARY SIGNIFICANTLY FROM THOSE SHOWN ON THE DRAWINGS, IMMEDIATELY NOTIFY THE ENGINEER IN WRITING FOR RESOLUTION OF THE CONFLICTING INFORMATION.
12. PROTECT AND MAINTAIN ALL UTILITIES IN THE AREAS UNDER CONSTRUCTION DURING THE WORK. LEAVE ALL PIPES AND STRUCTURES WITHIN THE LIMITS OF THE CONTRACT IN A CLEAN AND OPERABLE CONDITION AT THE COMPLETION OF THE WORK. TAKE ALL NECESSARY PRECAUTIONS TO PREVENT SAND AND SILT FROM DISTURBED AREAS FROM ENTERING THE DRAINAGE SYSTEM.
13. NOTIFY THE ENGINEER IN WRITING OF ANY CONFLICT, ERROR, AMBIGUITY, OR DISCREPANCY WITH THE PLANS OR BETWEEN THE PLANS AND ANY APPLICABLE LAW, REGULATION, CODE, STANDARD SPECIFICATION, OR MANUFACTURER'S INSTRUCTIONS.
14. THE CONTRACTOR IS RESPONSIBLE FOR SUPPORT OF EXISTING UTILITIES AND REPAIR OR REPLACEMENT COSTS OF UTILITIES DAMAGED DURING CONSTRUCTION, WHETHER ABOVE OR BELOW GRADE. REPLACE DAMAGED UTILITIES IMMEDIATELY AT NO ADDITIONAL COST TO THE OWNER AND AT NO COST TO THE PROPERTY OWNER.
15. TAKE NECESSARY MEASURES AND PROVIDE CONTINUOUS BARRIERS OF SUFFICIENT TYPE, SIZE, AND STRENGTH TO PREVENT ACCESS TO ALL WORK AND STAGING AREAS AT THE COMPLETION OF EACH DAYS WORK.
16. NO OPEN TRENCHES WILL BE ALLOWED OVER NIGHT. THE USE OF ROAD PLATES TO PROTECT THE EXCAVATION WILL BE CONSIDERED UPON REQUEST, BUT BACKFILLING IS PREFERRED.
17. THE CONTRACTOR IS RESPONSIBLE FOR ALL NECESSARY TRAFFIC CONTROL/SAFETY DEVICES TO ENSURE SAFE VEHICULAR AND PEDESTRIAN ACCESS THROUGH THE WORK AREA, OR FOR SAFELY IMPLEMENTING DETOURS AROUND THE WORK AREA. PERFORM TRAFFIC CONTROL IN ACCORDANCE WITH THE CONTRACTOR'S APPROVED TRAFFIC CONTROL PLAN.
18. MAINTAIN EMERGENCY ACCESS TO ALL PROPERTIES WITHIN THE PROJECT AREA AT ALL TIMES DURING CONSTRUCTION.
19. WHEN WORKING IN THE ROAD, PROVIDE THE OWNER AND LOCAL FIRE/POLICE/SCHOOL AUTHORITIES A DETAILED PLAN OF APPROACH INDICATING METHODS OF PROPOSED TRAFFIC ROUTING ON A DAILY BASIS. PROVIDE COORDINATION TO ENSURE COMMUNICATION AND COORDINATION BETWEEN THE OWNER, CONTRACTOR AND LOCAL FIRE/POLICE/SCHOOL AUTHORITIES THROUGHOUT THE CONSTRUCTION PERIOD.
20. REMOVE AND DISPOSE OF ALL CONSTRUCTION-RELATED WASTE MATERIALS AND DEBRIS IN STRICT ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL LAWS.
21. THE TERM "DEMOLISH" USED ON THE DRAWINGS MEANS TO REMOVE AND DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS.
22. THE TERM "ABANDON" USED ON THE DRAWINGS MEANS TO LEAVE IN PLACE AND TAKE APPROPRIATE MEASURES TO DECOMMISSION AS SPECIFIED OR NOTED ON THE DRAWINGS.
23. ALL PROPOSED WORK MAY BE ADJUSTED IN THE FIELD BY THE OWNER'S PROJECT REPRESENTATIVE TO MEET EXISTING CONDITIONS.

STORM SEWER NOTES

1. STORM SEWER LINES ARE TO BE INSTALLED USING INVERT ELEVATIONS, PIPE SLOPES SHOWN ARE APPROXIMATE AND ARE FOR REFERENCE ONLY.
2. APPLICABLE STORM SEWER CONSTRUCTION SHALL CONFORM TO THE TOWN OF WILTON STORM SEWER SPECIFICATIONS.
3. ROOF DRAINS ARE TO BE CONNECTED TO THE STORM DRAINAGE SYSTEM WHERE SHOWN.
4. THE ON-SITE DRAINAGE SYSTEM WILL REMAIN PRIVATE. THE PROPERTY OWNER IS TO PROVIDE REGULAR MAINTENANCE OF THE SYSTEM TO ALLOW IT TO CONTINUALLY FUNCTION AS INTENDED.
5. THE STORM DRAINAGE SYSTEM IS TO BE INSPECTED PRIOR TO CONSTRUCTION, IN ORDER TO VERIFY THAT IT IS IN GOOD CONDITION AND FUNCTIONING PROPERLY. THE DEVELOPER/CONTRACTOR IS RESPONSIBLE FOR CLEANING, REPAIRING AND MAINTAINING ALL PARTS OF THE EXISTING ON-SITE DRAINAGE SYSTEMS, AS NECESSARY, TO INSURE THAT ALL COMPONENTS ARE FUNCTIONING AS ORIGINALLY INTENDED.
6. ALL PORTIONS OF THE STORM DRAINAGE SYSTEM ARE TO BE CAPABLE OF HANDLING AASHTO H-20 LOADS.
7. ALL REINFORCED CONCRETE PIPE SHALL BE CLASS IV UNLESS OTHERWISE NOTED.
8. ALL PVC PIPING TO BE CLASS SDR-35 UNLESS OTHERWISE NOTED. (SDR-21 REQUIRED FOR DEPTHS OVER 12 FEET.)
9. ALL CATCH BASIN GRATES TO BE TYPE A UNLESS OTHERWISE NOTED.
10. ALL CATCH BASINS SHALL HAVE BELL TRAPS EXCEPT IF CONNECTED IN A SERIES, IN WHICH CASE ONLY THE UPPER TWO CATCH BASINS IN THE SERIES SHALL HAVE BELL TRAPS.
11. ALL STORM MANHOLES SHALL BE 48" DIAMETER CONCRETE MANHOLES, UNLESS OTHERWISE NOTED ON SHEETS C-301 AND C-302.
12. PENDING FINAL WALL DESIGN, FOOTING DRAINS SHALL BE HARD PIPED TO ADJACENT STORM DRAINAGE AND SHALL NOT DAYLIGHT TO GRADE.
13. HDPE PIPING SHALL CONFORM TO ASTM F2306.
14. THE INSTALLATION OF THE DRAINAGE SYSTEM IS TO BE DONE UNDER THE SUPERVISION OF THE DESIGN ENGINEER LICENSED IN THE STATE OF CONNECTICUT. AFTER CONSTRUCTION, THE ENGINEER IS TO SUBMIT TO THE TOWN OF WILTON A WRITTEN CERTIFICATION THAT THE SYSTEM WAS INSTALLED AS PER THE APPROVED DESIGN. A DRAINAGE AS-BUILT DRAWING IS SUBMITTED WITH THIS LETTER TO THE TOWN OF WILTON. A REMINDER TO THE PROPERTY OWNER THAT THE SYSTEM WILL REMAIN A PRIVATE ONE AND THAT REGULAR MAINTENANCE WILL BE CRUCIAL TO ITS CONTINUED FUNCTIONING AS INTENDED SHOULD BE MADE. ADEQUATE ACCESS TO THE SYSTEM FOR MAINTENANCE PURPOSES IS TO BE PROVIDED.

UTILITY COORDINATION NOTES

1. UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND ARE SUBJECT TO FINAL SITE SURVEY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL ELEVATIONS, PROPERTY LINES, LOCATION OF UTILITIES AND SITE CONDITIONS IN THE FIELD. IF AN UNFORESEEN INTERFERENCE EXISTS BETWEEN AN EXISTING AND A PROPOSED STRUCTURE, THE CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER SO THAT THE APPROPRIATE REVISIONS CAN BE MADE.
2. IT IS THE RESPONSIBILITY OF EACH BIDDER IN EVALUATING THESE PLANS TO MAKE EXAMINATIONS IN THE FIELD BY VARIOUS METHODS AND OBTAIN NECESSARY INFORMATION FROM AVAILABLE RECORDS, UTILITY CORPORATIONS, AND INDIVIDUALS AS TO THE LOCATION OF ALL SUBSURFACE STRUCTURES.
3. THE CONTRACTOR IS TO USE CAUTION WHEN WORKING NEAR OR UNDER OVERHEAD AND UNDERGROUND UTILITIES. THE CONTRACTOR IS TO NOTIFY THE UTILITY COMPANIES OF HIS INTENT PRIOR TO THE COMMENCEMENT OF ANY WORK.
4. LANDSCAPING SHALL NOT BE PLACED ON TOP OF UTILITIES.
5. ELECTRICAL CONDUIT SHALL BE INSTALLED BY AN ELECTRICIAN LICENSED IN THE STATE OF CONNECTICUT

FORM 818 FACILITIES NOTES

1. CONSTRUCTION SPECIFICATIONS FOR WORK WITHIN THE STATE RIGHT-OF-WAY SHALL BE THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS, BRIDGES AND INCIDENTAL CONSTRUCTION, FORM 818, DATED 2020; SUPPLEMENTAL SPECIFICATIONS, DATED JANUARY 2023 AND ALL SUPPLEMENTS THERETO; AND SPECIAL PROVISIONS.
2. NEW PAVEMENT MARKINGS SHALL BE PAINTED WITH EPOXY RESIN PAINT IN COMPLIANCE WITH THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS, BRIDGES, AND INCIDENTAL CONSTRUCTION FORM 818, SECTION 12.10.
3. NEW SIGN MATERIAL AND SHEETING SHALL BE MADE OF REFLECTIVE MATERIAL IN COMPLIANCE WITH THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS, BRIDGES, AND INCIDENTAL CONSTRUCTION FORM 818, SECTION 12.08. TYPE 1 REFLECTIVE SHEETING SHALL BE USED FOR SIGNS WITH WHITE BACKGROUND, TYPE 3 REFLECTIVE SHEETING SHALL BE USED FOR SIGNS WITH COLORED BACKGROUND EXCEPT FOR SIGNS WITH RED BACKGROUND THAT SHALL BE TYPE 8 OR 9 REFLECTIVE SHEETING.
4. ALL SIGNS AND PAVEMENT MARKINGS INSTALLED ALONG THE STATE ROAD MUST CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES," LATEST STATE OF CONNECTICUT CATALOGUE OF SIGNS AND STANDARDS, AS REVISED.
5. ANY DAMAGE TO EXISTING CURB, SIDEWALK, OR ANY OTHER HIGHWAY APPURTENANCES DURING THE DEVELOPMENT OF THE PERMITTED SITE WILL BE REPLACED BY THE CONTRACTOR AS DIRECTED BY THE DISTRICT 3 PERMIT SECTION AT NO COST TO THE STATE.
6. THE FINAL LIMITS OF MILLING AND OVERLAY SHALL BE DETERMINED PRIOR TO FINAL PAVING BY CTDOT DISTRICT 3 PERMIT INSPECTOR. THE CONTRACTOR SHALL COORDINATE WITH CTDOT TO DETERMINE THESE LIMITS AND NOTIFY THE OWNER AND ENGINEER OF ANY CHANGES TO THE LIMITS SHOWN ON THE DRAWINGS.

SANITARY SEWER & WATER NOTES

1. SANITARY SEWER AND WATER LINE CROSSINGS SHALL MAINTAIN AN 18 INCH MINIMUM VERTICAL SEPARATION DISTANCE OR PROVIDE A CONCRETE ENCASEMENT AT THE CROSSING.
2. SEWER AND WATER LINE CROSSING ALL OTHER UTILITIES SHALL MAINTAIN A 12 INCH VERTICAL SEPARATION DISTANCE.
3. SANITARY SEWER LINES ARE TO BE INSTALLED USING INVERT ELEVATIONS. PIPE SLOPES SHOWN ARE APPROXIMATE AND ARE FOR REFERENCE ONLY.
4. PROPOSED SANITARY SEWER SERVICES ARE TO MEET THE REQUIREMENTS OF THE TOWN OF WILTON.
5. PROPOSED WATER SERVICES ARE TO MEET THE REQUIREMENTS OF THE STATE PLUMBING CODES AND THE AQUARION WATER COMPANY RULES AND REGULATIONS.

GRADING NOTES

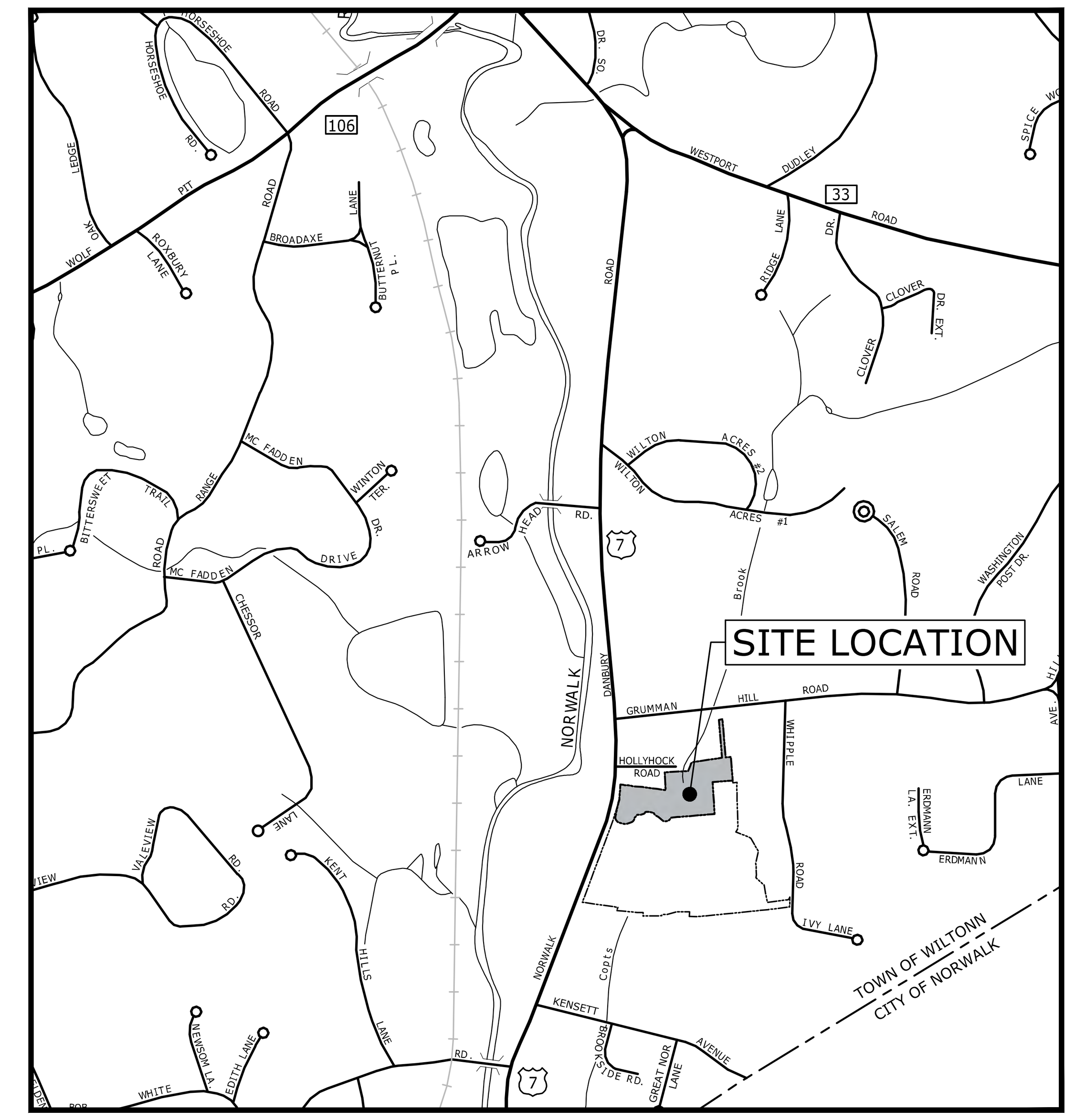
1. AREAS OF DISTURBED EARTH SHALL BE STABILIZED BY MULCHING OR OTHER MEANS. SEEDING OF GRASSED AREAS SHALL BE INITIATED AS SOON AS PRACTICAL AS AN EROSION AND SILTATION CONTROL MEASURE.
2. RETAINING WALLS OVER 3' IN HEIGHT ARE TO BE DESIGNED AND CONSTRUCTED UNDER THE SUPERVISION OF A STATE OF CONNECTICUT LICENSED PROFESSIONAL ENGINEER OR ARCHITECT. WOOD RETAINING WALLS OVER 3 FEET IN HEIGHT ARE NOT PERMITTED.
3. RETAINING WALLS REQUIRING AN ENGINEERED DESIGN SHALL BE SUBMITTED TO AND APPROVED BY THE TOWN OF WILTON BUILDING DEPARTMENT WITH CALCULATIONS BEFORE CONSTRUCTION OF THESE WALLS BEGINS.
4. RETAINING WALLS ARE TO HAVE PROTECTIVE FENCING WHERE WARRANTED.
5. WHERE LEDGE IS TO BE LEFT IN PLACE, THE STABILITY OF THE LEDGE IS TO BE VERIFIED BY A QUALIFIED STATE OF CONNECTICUT LICENSED PROFESSIONAL ENGINEER OR SOIL SCIENTIST.
6. ALL LAND CLEARING AND CONSTRUCTION DEBRIS SHALL BE PROPERLY DISPOSED OF OFFSITE.
7. MAXIMUM GRADE AT ACCESSIBLE PARKING SPACES NOT TO EXCEED 2%.

ABBREVIATIONS

ABDN('D)	ABANDON(ED)
AC	ASBESTOS CEMENT PIPE
BC	BITUMINOUS CURB
BFP	BACK FLOW PREVENTOR
BIT	BITUMINOUS
BL	BASELINE
BLDG	BUILDING
BND	BOUND
BOC	BOTTOM OF CURB
BOT	BOTTOM
BS	BOTTOM OF STEP
BW	BOTTOM OF WALL
CATV	CABLE TELEVISION
CB	CATCH BASIN
CCW	CEMENT CONCRETE WALK
CEM	CEMENT
CI	CAST IRON PIPE
CL	CENTERLINE
CLF	CHAIN LINK FENCE
CO	CLEAN OUT
CONC	CONCRETE
CPP	CORRUGATED POLYETHYLENE PIPE
CY	CUBIC YARD
DH	DRILL HOLE
DI	DUCTILE IRON PIPE
DIA	DIAMETER
DMH	DRAIN MANHOLE
E	EAST
EF	EACH FACE
EG	EXISTING GRADE
EL/ELEV	ELEVATION
ELEC	ELECTRIC
EMH	ELECTRIC MANHOLE
EOP	EDGE OF PAVEMENT
EW	EACH WAY
EXIST	EXISTING
FES	FLARED END SECTION
FF	FINISH FLOOR
FM	FORCE MAIN
G	GAS
GG	GAS GATE
GRAN	GRANITE
HC	HANDICAP
HDPE	HIGH DENSITY POLYETHYLENE
HMA	HOT MIX ASPHALT
HYD	HYDRANT
IN	INCHES
INV	INVERT
IP	IRON PIN
L	LENGTH OF CURB
LP	LIGHT POLE
LT	LEFT
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM

ABBREVIATIONS CONT'D

MISC	MISCELLANEOUS
MON	MONUMENT
MJ	MECHANICAL JOINT
N	NORTH
NITC	NOT IN THIS CONTRACT
NTS	NOT TO SCALE
N/A	NOT APPLICABLE
N/F	NOW OR FORMERLY
OC	ON CENTER
OCS	OUTLET CONTROL STRUCTURE
OH	OVERHEAD
PB	PLANT BED
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVATURE
PCPP	PERFORATED CORRUGATED POLYETHYLENE PIPE
PERF	PERFORATED
PI	POINT OF INTERSECTION
PRC	POINT OF REVERSE CURVATURE
PROT	PROTECT
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POINT OF TANGENCY
PVC	POLYVINYLCHLORIDE
PVMT	PAVEMENT
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
REV	REVISION
ROW	RIGHT OF WAY
RT	RIGHT
R&D	REMOVE AND DISPOSE
R&R	REMOVE AND RESET
R&S	REMOVE AND STACK
S	SOUTH
SAN	SANITARY
SCH	SCHEDULE
SF	SQUARE FOOT
SMH	SEWER MANHOLE
SS	STAINLESS STEEL
STA	STATION
STL	STEEL
STRM	STORM
T	TANGENT LENGTH
TC	TOP OF CURB
TEL	TEL-DATA
TP	TEST PIT
TS	TOP OF STEP
TW	TOP OF WALL
TYP	TYPICAL
UP	UTILITY POLE
W	WATER
WG	WATER GATE
WV	WATER VALVE
XFMR	TRANSFORMER



LOCATION MAP
SCALE: 1" = 1000'

LEGEND

DESCRIPTION	EXISTING	PROPOSED
PROPERTY LINE		
PROPERTY LINE ADJACENT		
RIGHT-OF-WAY LINE		
EASEMENT LINE		
CALCULATED 100-YEAR FLOODPLAIN		
UPLAND REVIEW AREA		
INTERMEDIATE CONTOURS		
INDEX CONTOURS	25	25
SPOT GRADE	X 141.2	+ 32.0
MAGNITUDE & DIRECTION OF SLOPE		0.0%
STORM DRAIN	SD	SD
STORM UNDERDRAIN		UD
GRAVITY SANITARY SEWER	SS	SS
SANITARY SEWER FORCE MAIN	SFM	SFM
SANITARY SEWER LOW PRESSURE	SSLP	SSLP
SANITARY SEWER COMBINED	COMB	COMB
WATER SERVICE	W	W
FIRE SERVICE		F
UNDERGROUND ELECTRIC	E	E
PRIMARY ELECTRIC SERVICE	PE	PE
SECONDARY ELECTRIC	SE	SE
OVERHEAD ELECTRIC	OE	OE
TELEPHONE SERVICE	T	T
TEL-DATA SERVICE	T-D	T-D
COMMUNICATIONS SERVICE	T-C	T-C
CABLE TV SERVICE	CTV	CTV
GAS SERVICE	G	G
OVERHEAD UTILITY (UNSPECIFIED)	OHW	
CURB		
EDGE OF PAVEMENT		
DIRT ROAD		
SIDEWALK		
RETAINING WALL		
STONE WALL		
FENCE - UNSPECIFIED	X X X	X X X
FENCE - CHAIN LINK		
FENCE - WOOD POST		
GUARDRAIL		
METAL BEAM RAIL		
TRAIN TRACKS		
STORM DRAIN STRUCTURES	MANHOLE (D) CATCH BASIN	MANHOLE (D) AREA DRAIN CATCH BASIN
SANITARY SEWER STRUCTURES	MANHOLE (S) TANK	MANHOLE (S) TANK
WATER SERVICE STRUCTURES	HYDRANT MANHOLE (W) VALVE WV WV	HYDRANT MANHOLE (W) VALVE
GAS SERVICE STRUCTURES	MANHOLE (G) VALVE GV GG	MANHOLE (G) VALVE
ELECTRIC SERVICE STRUCTURES	UTILITY CO. POLE # MANHOLE (E) LIGHT	UTILITY CO. POLE # MANHOLE (E) LIGHT
TELECOMMUNICATIONS MANHOLE	(T)	(T)
TREELINE		
TREE	EVERGREEN DECIDUOUS STUMP	EVERGREEN DECIDUOUS
SNOW STORAGE AREA		

Tighe&Bond
1000 Bridgeport Avenue
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(203) 712-1100

TOWN SUBMISSION

64 Danbury Road

Fuller Development, LLC

Wilton, CT

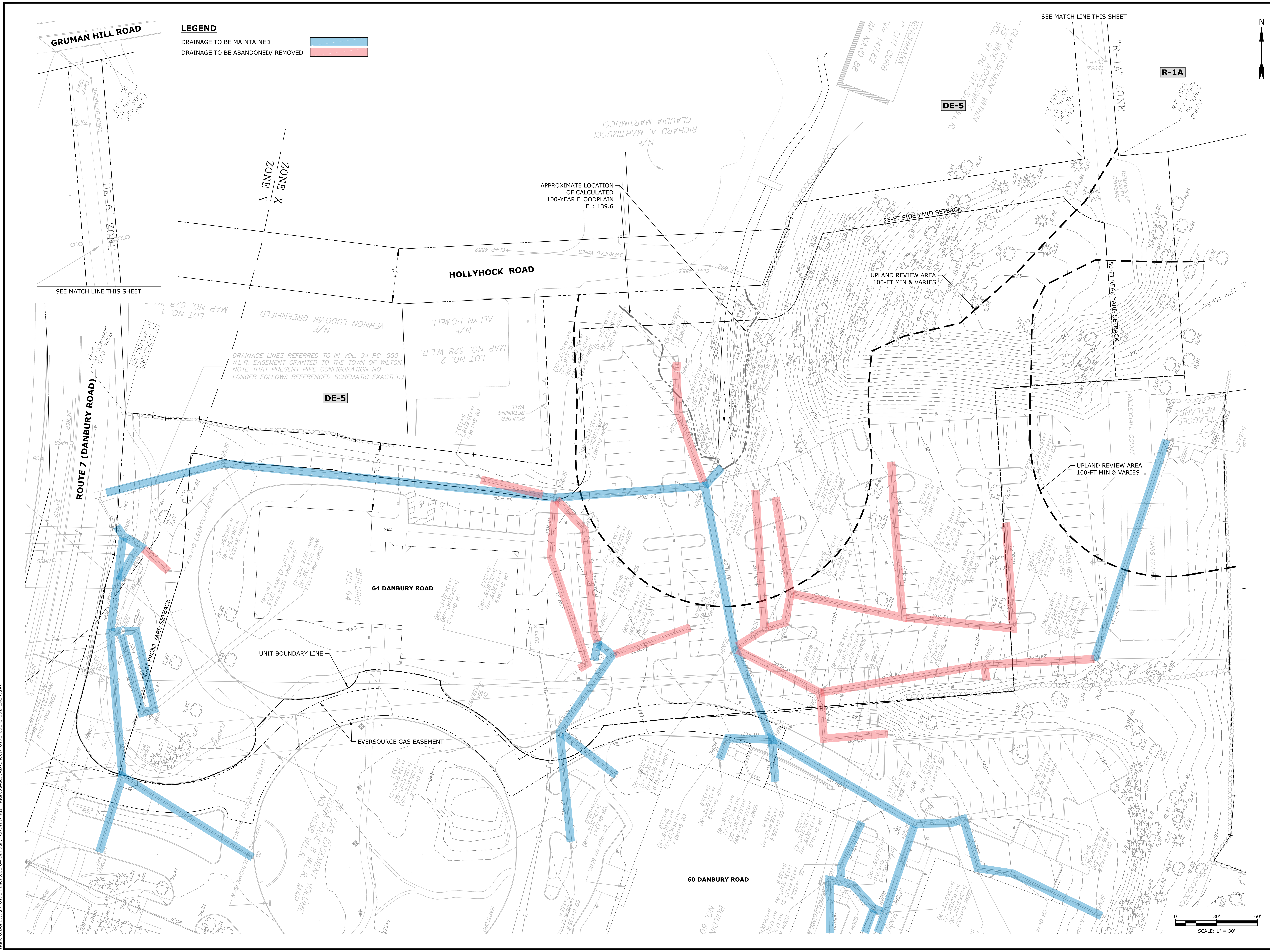
MARK	DATE	DESCRIPTION
1	4/8/2024	RESPONSE TO TOWN COMMENTS

PROJECT NO:	F0173-001
DATE:	12/21/2023
FILE:	F0173-001-C-001-GENR.dwg
DRAWN BY:	MDS
DESIGNED/CHECKED BY:	EWL
APPROVED BY:	JWB

GENERAL NOTES, LEGEND AND ABBREVIATIONS

SCALE: AS SHOWN

C-001



SEE MATCH LINE THIS SHEET

SCALE: 1" = 30'

Last Saved: 4/4/2024
Plotted On: Apr 08, 2024-11:10am By: AClark
Tighe & Bond: J:\F\F0173 Fuller\001 64 Danbury Rd\Drawings_Figures\AutoCAD\Sheet\F0173-001-C-002-EXCN.dwg

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TOWN SUBMISSION

64 Danbury Road

Fuller Development, LLC

Wilton, CT

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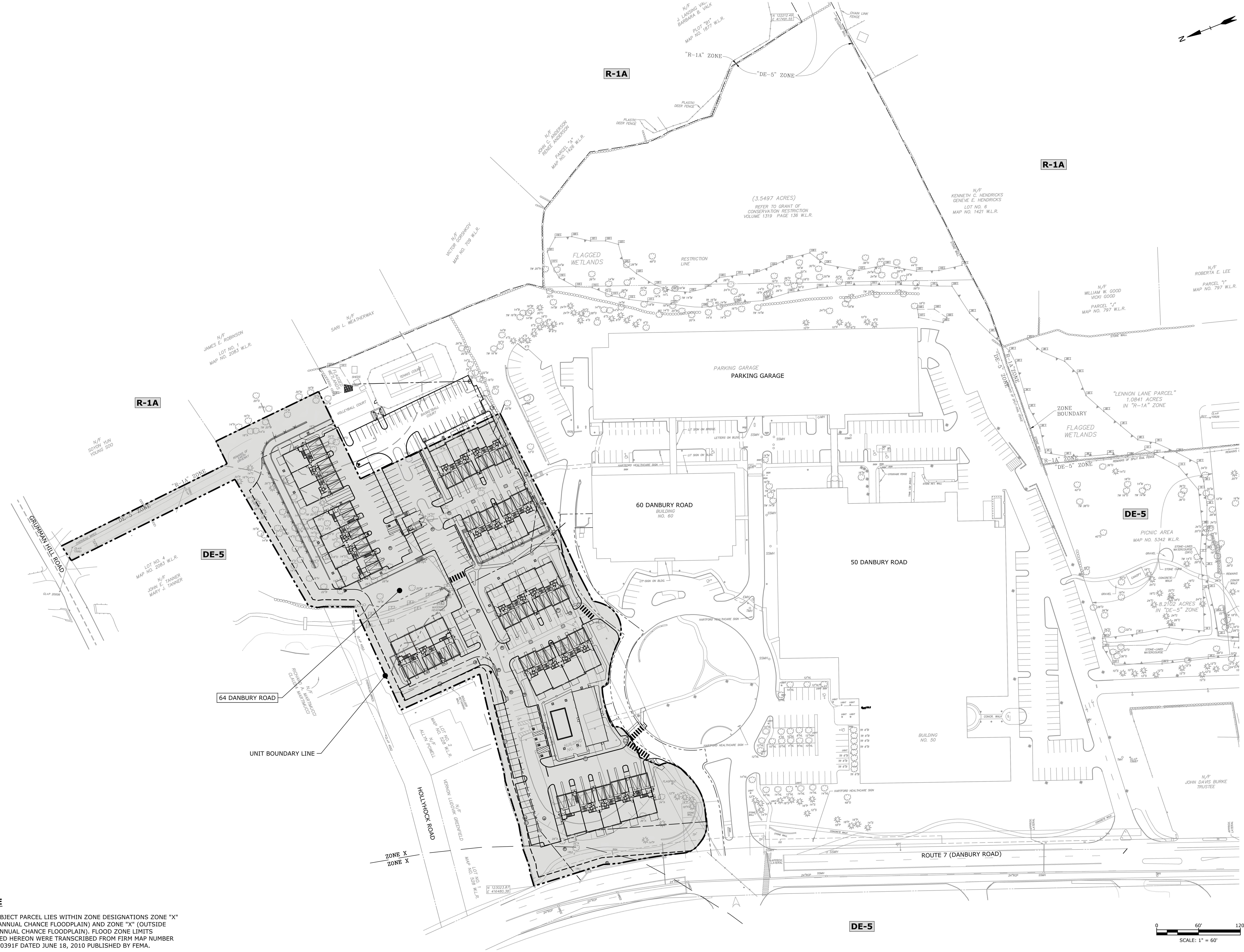
DATE:	12/21/2023
FILE:	F0173-001-C-002-EXCN.dwg
DRAWN BY:	MDS
DESIGNED/CHECKED BY:	EWL
APPROVED BY:	JWB

EXISTING CONDITIONS PLAN

SCALE: 1" = 30'

C-002



NOTE

THE SUBJECT PARCEL LIES WITHIN ZONE DESIGNATIONS ZONE "X" (0.2% ANNUAL CHANCE FLOODPLAIN) AND ZONE "X" (OUTSIDE 0.2% ANNUAL CHANCE FLOODPLAIN). FLOOD ZONE LIMITS DEPICTED HEREON WERE TRANSCRIBED FROM FIRM MAP NUMBER 09001C0391F DATED JUNE 18, 2010 PUBLISHED BY FEMA.

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TOWN SUBMISSION

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Fuller Development, LLC

Wilton, CT

MARK	DATE	DESCRIPTION
1	4/8/2024	RESPONSE TO TOWN COMMENTS

PROJECT NO:	F0173-001
DATE:	12/21/2023
FILE:	F0173-001-C-100-OVRL.dwg
DRAWN BY:	MDS
DESIGNED/CHECKED BY:	EWL
APPROVED BY:	JWB

OVERALL SITE PLAN

SCALE: 1" = 60'

C-100

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SITE PLAN LEGEND

- UPLAND REVIEW AREA
- CALCULATED 100-YEAR FLOODPLAIN
- UNIT BOUNDARY LINE
- PROPOSED CURB
- PROPOSED RETAINING WALL
- SNOW STORAGE AREA
- PROPOSED SIGN
- PROPOSED ACCESSIBLE SYMBOL
- PAVEMENT MILL & OVERLAY
- PROPOSED STRUCTURE ON COLUMNS

AREA AND BULK REQUIREMENTS			
	DE-5R (EAST)	EXISTING	PROPOSED
MIN FRONT YARD	50	101.35	50.7
MIN SIDE YARD (EACH)	25	65.44	26.3
MIN SIDE YARD (RESIDENTIAL)	50	NA	80.37
MIN. REAR YARD	50	495.2	59.13
MIN. PARKING & LOADING SETBACKS (SIDE AND REAR YARDS)	10	14.0	10
MIN. PARKING & LOADING SETBACKS (RESIDENTIAL)	50	95.0	71.76
MAX. BUILDING HEIGHT (FEET)	3 / 39	< 39	< 39
MAX. BUILDING COVERAGE (%)	40%	21.74%	25.69%
MAX. SITE COVERAGE (%)	75%	46.41%	50.99%
MIN. LOT SIZE (ACRES)	3	22.27	22.27
MIN. LOT FRONTAGE	150	> 150	> 150

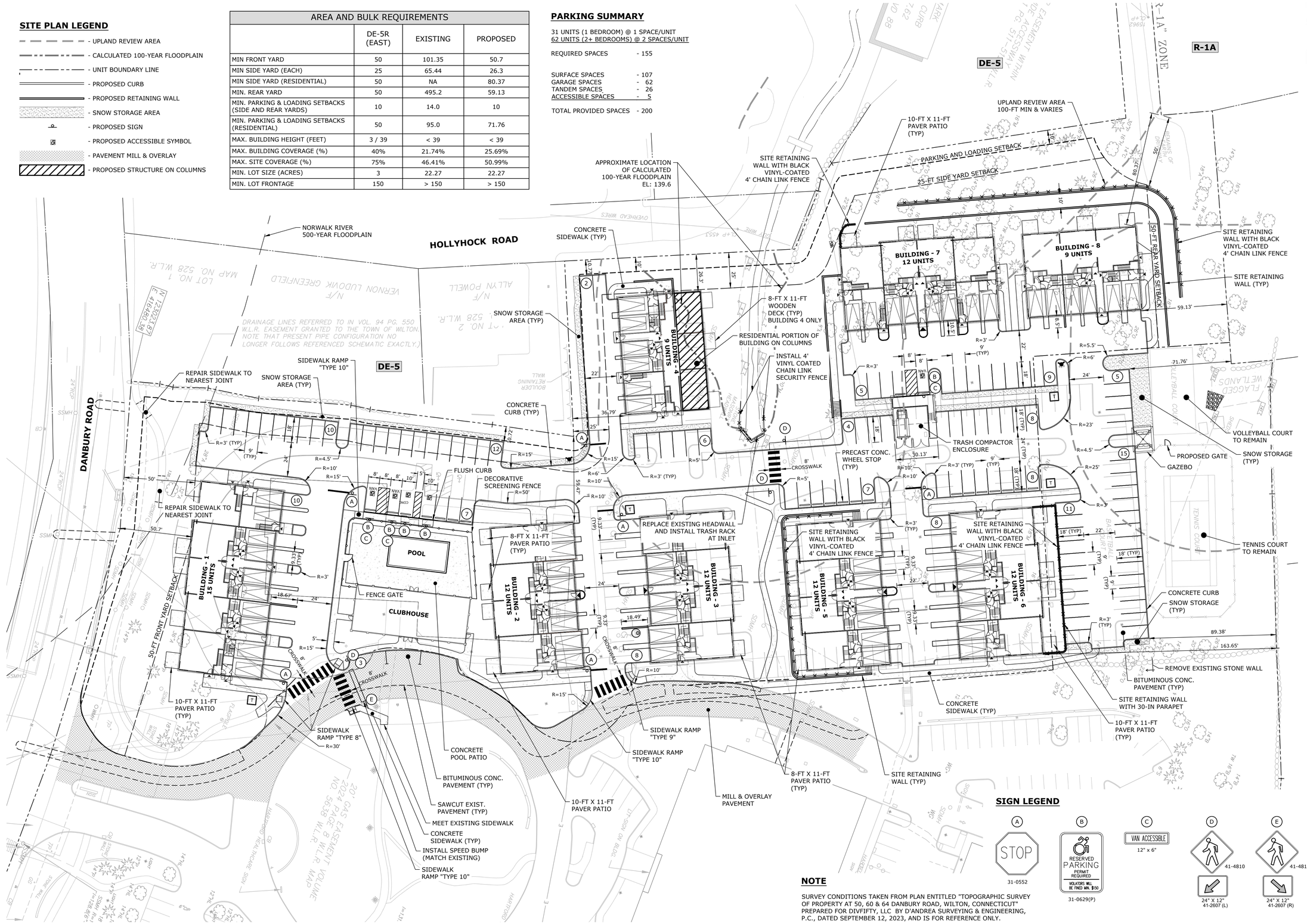
PARKING SUMMARY

31 UNITS (1 BEDROOM) @ 1 SPACE/UNIT
62 UNITS (2+ BEDROOMS) @ 2 SPACES/UNIT

REQUIRED SPACES - 155

SURFACE SPACES - 107
GARAGE SPACES - 62
TANDEM SPACES - 26
ACCESSIBLE SPACES - 5

TOTAL PROVIDED SPACES - 200



SIGN LEGEND

A — STOP — 31-0552

B — RESERVED PARKING, PERMIT REQUIRED, VIOLATORS WILL BE FINED MIN. $50 — 31-0629(P)

C — VAN ACCESSIBLE — 12" x 6"

D — 41-4810 — 24" X 12" 41-2607 (L)

E — 41-4810 — 24" X 12" 41-2607 (R)

NOTE

SURVEY CONDITIONS TAKEN FROM PLAN ENTITLED "TOPOGRAPHIC SURVEY OF PROPERTY AT 50, 60 & 64 DANBURY ROAD, WILTON, CONNECTICUT" PREPARED FOR DIVFIFTY, LLC BY D'ANDREA SURVEYING & ENGINEERING, P.C., DATED SEPTEMBER 12, 2023, AND IS FOR REFERENCE ONLY.

0 30' 60'
SCALE: 1" = 30'

Tighe&Bond
1000 Bridgeport Avenue
Suite 320
Shelton, CT 06484
(203) 712-1100

STATE OF CONNECTICUT — ERIC W. LINDBERG JR. — LICENSED PROFESSIONAL ENGINEER — 4/9/24

STATE OF CONNECTICUT — JOHN W. BUDDE — LICENSED PROFESSIONAL ENGINEER — 4/9/24

TOWN SUBMISSION

64 Danbury Road

Fuller Development, LLC

Wilton, CT

MARK	DATE	DESCRIPTION
1	4/8/2024	RESPONSE TO TOWN COMMENTS

PROJECT NO:	F0173-001
DATE:	12/21/2023
FILE:	F0173-001-C-101-SITE.dwg
DRAWN BY:	MDS
DESIGNED/CHECKED BY:	EWL
APPROVED BY:	JWB

SITE PLAN

SCALE: 1" = 30'

C-101

Last Saved: 4/8/2024
Plotted On: Apr 08, 2024-12:01pm By: AClark
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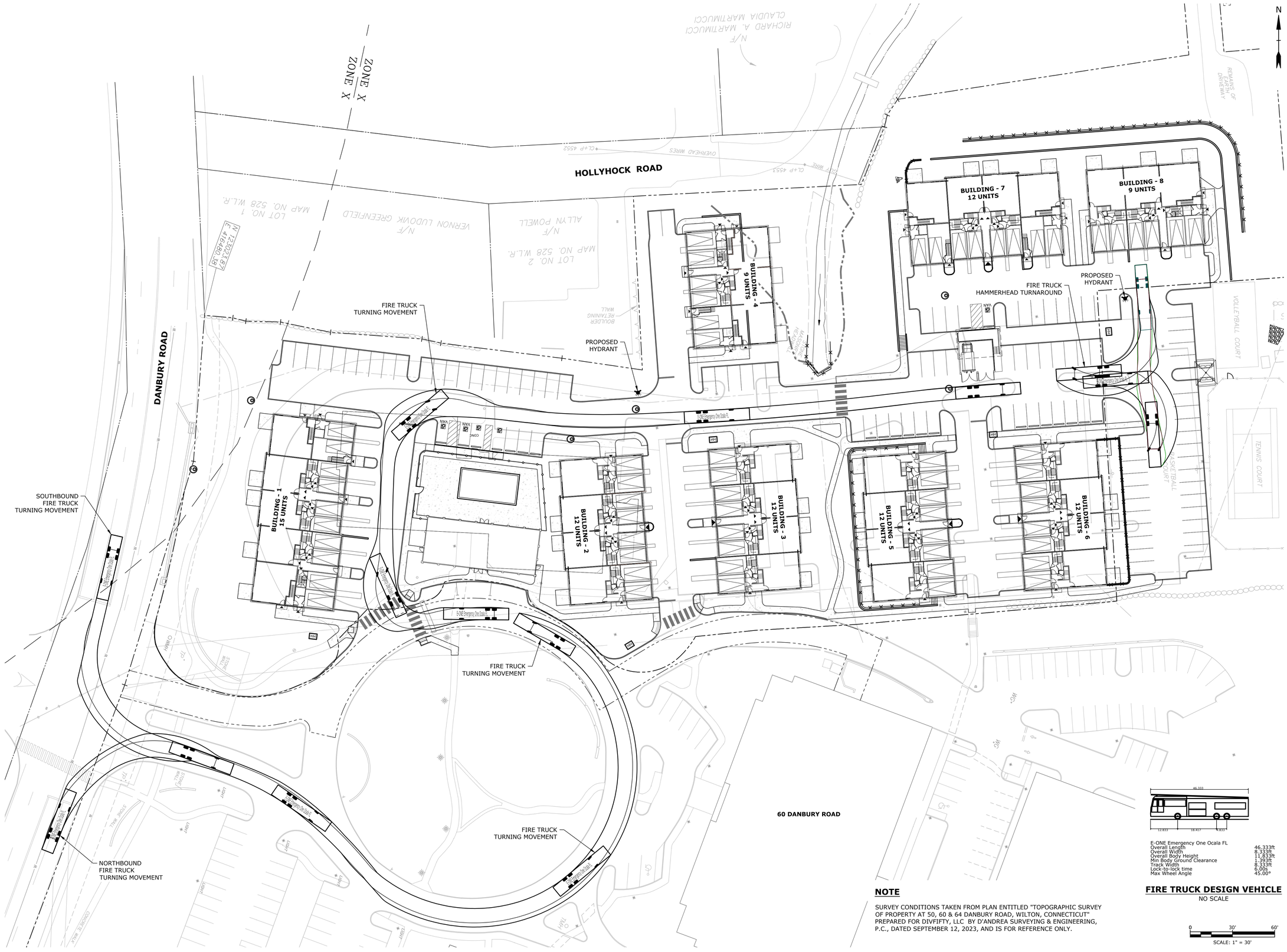

NOTE

SURVEY CONDITIONS TAKEN FROM PLAN ENTITLED "TOPOGRAPHIC SURVEY OF PROPERTY AT 50, 60 & 64 DANBURY ROAD, WILTON, CONNECTICUT" PREPARED FOR DIVFIFTY, LLC BY D'ANDREA SURVEYING & ENGINEERING, P.C., DATED SEPTEMBER 12, 2023, AND IS FOR REFERENCE ONLY.

E-ONE Emergency One Ocala FL

Overall Length	46.333ft
Overall Width	8.333ft
Overall Body Height	11.833ft
Min Body Ground Clearance	1.393ft
Track Width	8.333ft
Lock-to-lock time	6.00s
Max Wheel Angle	45.00°

FIRE TRUCK DESIGN VEHICLE
NO SCALE

0 30' 60'
SCALE: 1" = 30'

Tighe&Bond
1000 Bridgeport Avenue
Suite 320
Shelton, CT 06484
(203) 712-1100

STATE OF CONNECTICUT · ERIC W. LINDBERG · LICENSED PROFESSIONAL ENGINEER · 4/9/24

STATE OF CONNECTICUT · JOHN W. BOSSE · LICENSED PROFESSIONAL ENGINEER · 4/9/24

TOWN SUBMISSION

64 Danbury Road

Fuller Development, LLC

Wilton, CT

MARK	DATE	DESCRIPTION
1	4/8/2024	RESPONSE TO TOWN COMMENTS

PROJECT NO:	F0173-001
DATE:	12/21/2023
FILE:	F0173-001-C-102-TURN.dwg
DRAWN BY:	MDS
DESIGNED/CHECKED BY:	EWL
APPROVED BY:	JWB

FIRE TRUCK TURNING MOVEMENTS PLAN

SCALE: 1" = 30'

C-102

Last Saved: 4/8/2024
Plotted On:Apr 08, 2024 11:14am By: AClark
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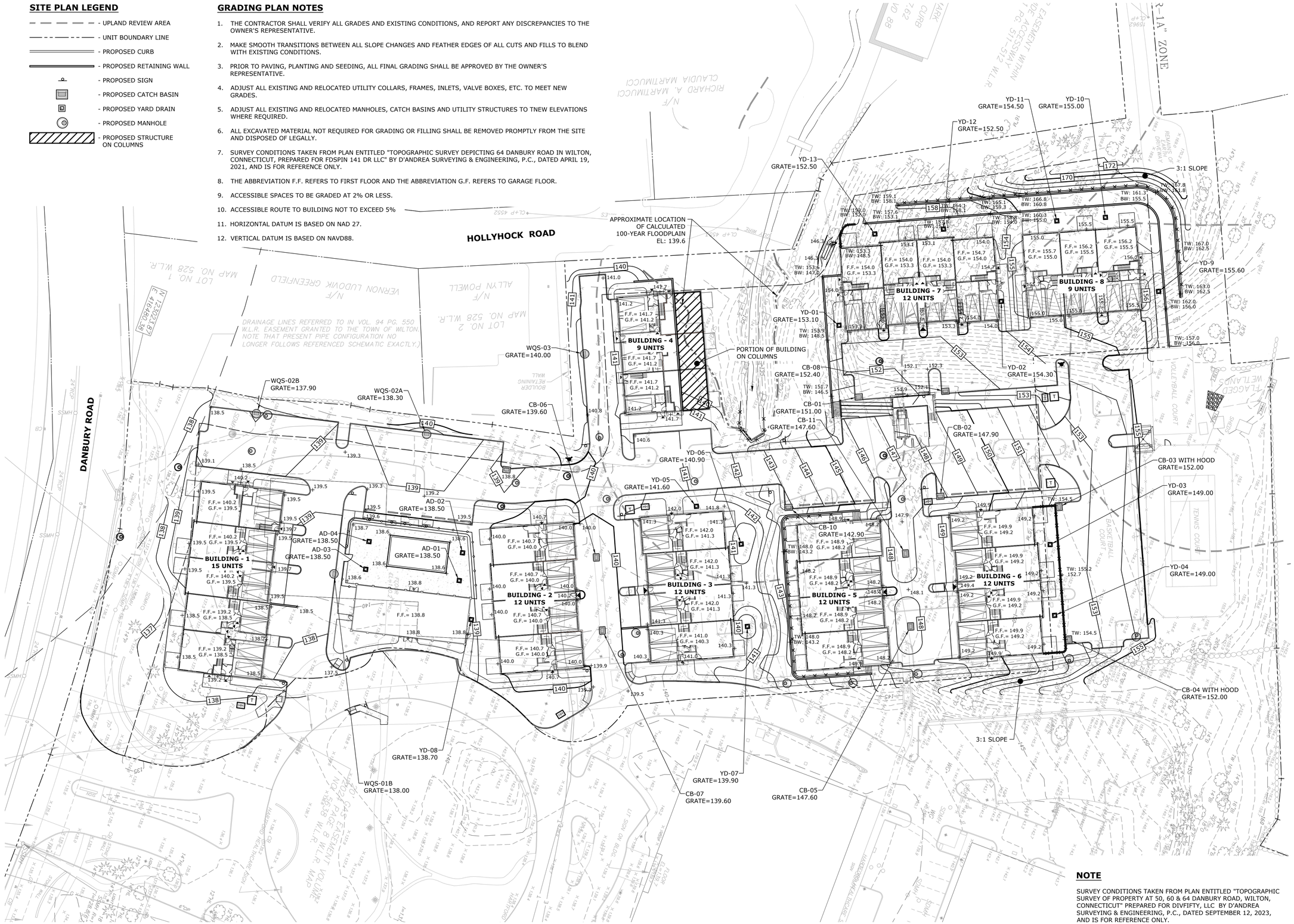
SITE PLAN LEGEND

- UPLAND REVIEW AREA
- UNIT BOUNDARY LINE
- PROPOSED CURB
- PROPOSED RETAINING WALL
- PROPOSED SIGN
- PROPOSED CATCH BASIN
- PROPOSED YARD DRAIN
- PROPOSED MANHOLE
- PROPOSED STRUCTURE ON COLUMNS

GRADING PLAN NOTES

1. THE CONTRACTOR SHALL VERIFY ALL GRADES AND EXISTING CONDITIONS, AND REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE.
2. MAKE SMOOTH TRANSITIONS BETWEEN ALL SLOPE CHANGES AND FEATHER EDGES OF ALL CUTS AND FILLS TO BLEND WITH EXISTING CONDITIONS.
3. PRIOR TO PAVING, PLANTING AND SEEDING, ALL FINAL GRADING SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE.
4. ADJUST ALL EXISTING AND RELOCATED UTILITY COLLARS, FRAMES, INLETS, VALVE BOXES, ETC. TO MEET NEW GRADES.
5. ADJUST ALL EXISTING AND RELOCATED MANHOLES, CATCH BASINS AND UTILITY STRUCTURES TO TNEW ELEVATIONS WHERE REQUIRED.
6. ALL EXCAVATED MATERIAL NOT REQUIRED FOR GRADING OR FILLING SHALL BE REMOVED PROMPTLY FROM THE SITE AND DISPOSED OF LEGALLY.
7. SURVEY CONDITIONS TAKEN FROM PLAN ENTITLED "TOPOGRAPHIC SURVEY DEPICTING 64 DANBURY ROAD IN WILTON, CONNECTICUT, PREPARED FOR FDSPIN 141 DR LLC" BY D'ANDREA SURVEYING & ENGINEERING, P.C., DATED APRIL 19, 2021, AND IS FOR REFERENCE ONLY.
8. THE ABBREVIATION F.F. REFERS TO FIRST FLOOR AND THE ABBREVIATION G.F. REFERS TO GARAGE FLOOR.
9. ACCESSIBLE SPACES TO BE GRADED AT 2% OR LESS.
10. ACCESSIBLE ROUTE TO BUILDING NOT TO EXCEED 5%
11. HORIZONTAL DATUM IS BASED ON NAD 27.
12. VERTICAL DATUM IS BASED ON NAVD88.



NOTE

SURVEY CONDITIONS TAKEN FROM PLAN ENTITLED "TOPOGRAPHIC SURVEY OF PROPERTY AT 50, 60 & 64 DANBURY ROAD, WILTON, CONNECTICUT" PREPARED FOR DIVFIFTY, LLC BY D'ANDREA SURVEYING & ENGINEERING, P.C., DATED SEPTEMBER 12, 2023, AND IS FOR REFERENCE ONLY.

0 30' 60'
SCALE: 1" = 30'

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(203) 712-1100

STATE OF CONNECTICUT — ERIC W. LINDBERG — LICENSED PROFESSIONAL ENGINEER — 4/8/24

STATE OF CONNECTICUT — JOHN W. BOSSE — LICENSED PROFESSIONAL ENGINEER — 4/8/24

TOWN SUBMISSION

64 Danbury Road

Fuller Development, LLC

Wilton, CT

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1	4/8/2024	RESPONSE TO TOWN COMMENTS

PROJECT NO:	F0173-001
DATE:	12/21/2023
FILE:	F0173-001-C-201-GRAD.dwg
DRAWN BY:	MDS
DESIGNED/CHECKED BY:	EWL
APPROVED BY:	JWB

GRADING PLAN

SCALE: 1" = 30'

C-201

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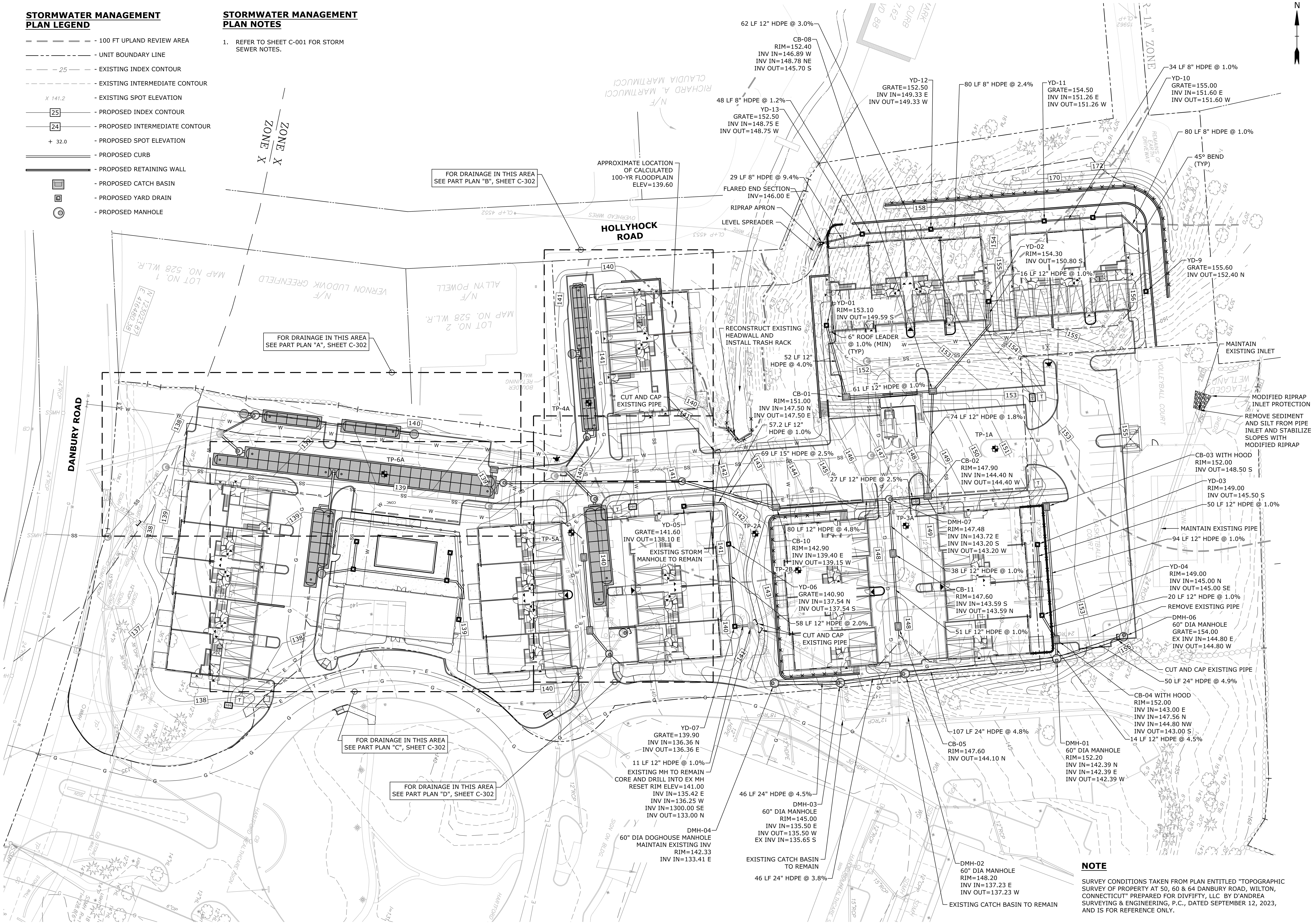
STORMWATER MANAGEMENT PLAN LEGEND

- 100 FT UPLAND REVIEW AREA
- UNIT BOUNDARY LINE
- EXISTING INDEX CONTOUR
- EXISTING INTERMEDIATE CONTOUR
- EXISTING SPOT ELEVATION
- PROPOSED INDEX CONTOUR
- PROPOSED INTERMEDIATE CONTOUR
- PROPOSED SPOT ELEVATION
- PROPOSED CURB
- PROPOSED RETAINING WALL
- PROPOSED CATCH BASIN
- PROPOSED YARD DRAIN
- PROPOSED MANHOLE

STORMWATER MANAGEMENT PLAN NOTES

1. REFER TO SHEET C-001 FOR STORM SEWER NOTES.



NOTE

SURVEY CONDITIONS TAKEN FROM PLAN ENTITLED "TOPOGRAPHIC SURVEY OF PROPERTY AT 50, 60 & 64 DANBURY ROAD, WILTON, CONNECTICUT" PREPARED FOR DIVFIFTY, LLC BY D'ANDREA SURVEYING & ENGINEERING, P.C., DATED SEPTEMBER 12, 2023, AND IS FOR REFERENCE ONLY.

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TOWN SUBMISSION

64 Danbury Road

Fuller Development, LLC

Wilton, CT

MARK	DATE	DESCRIPTION
1	4/8/2024	RESPONSE TO TOWN COMMENTS

PROJECT NO:	F0173-001
DATE:	12/21/2023
FILE:	F0173-001-C-301-STRM.dwg
DRAWN BY:	MDS
DESIGNED/CHECKED BY:	EWL
APPROVED BY:	JWB

DRAINAGE PLAN

SCALE: 1" = 30'

C-301

Last Saved: 4/8/2024
Plotted On:Apr 08, 2024-11:18am By: AClark
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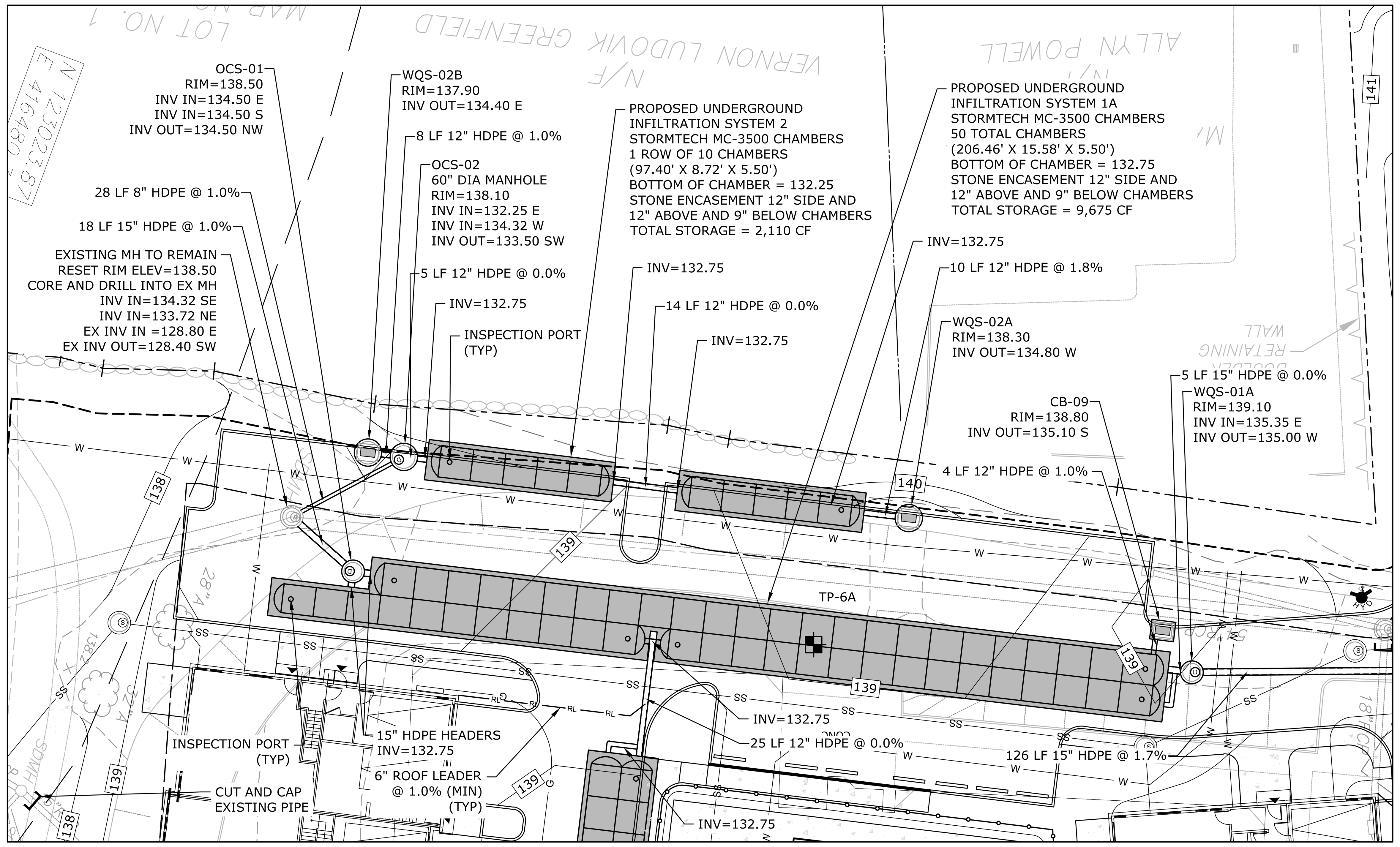
STORMWATER MANAGEMENT PLAN LEGEND

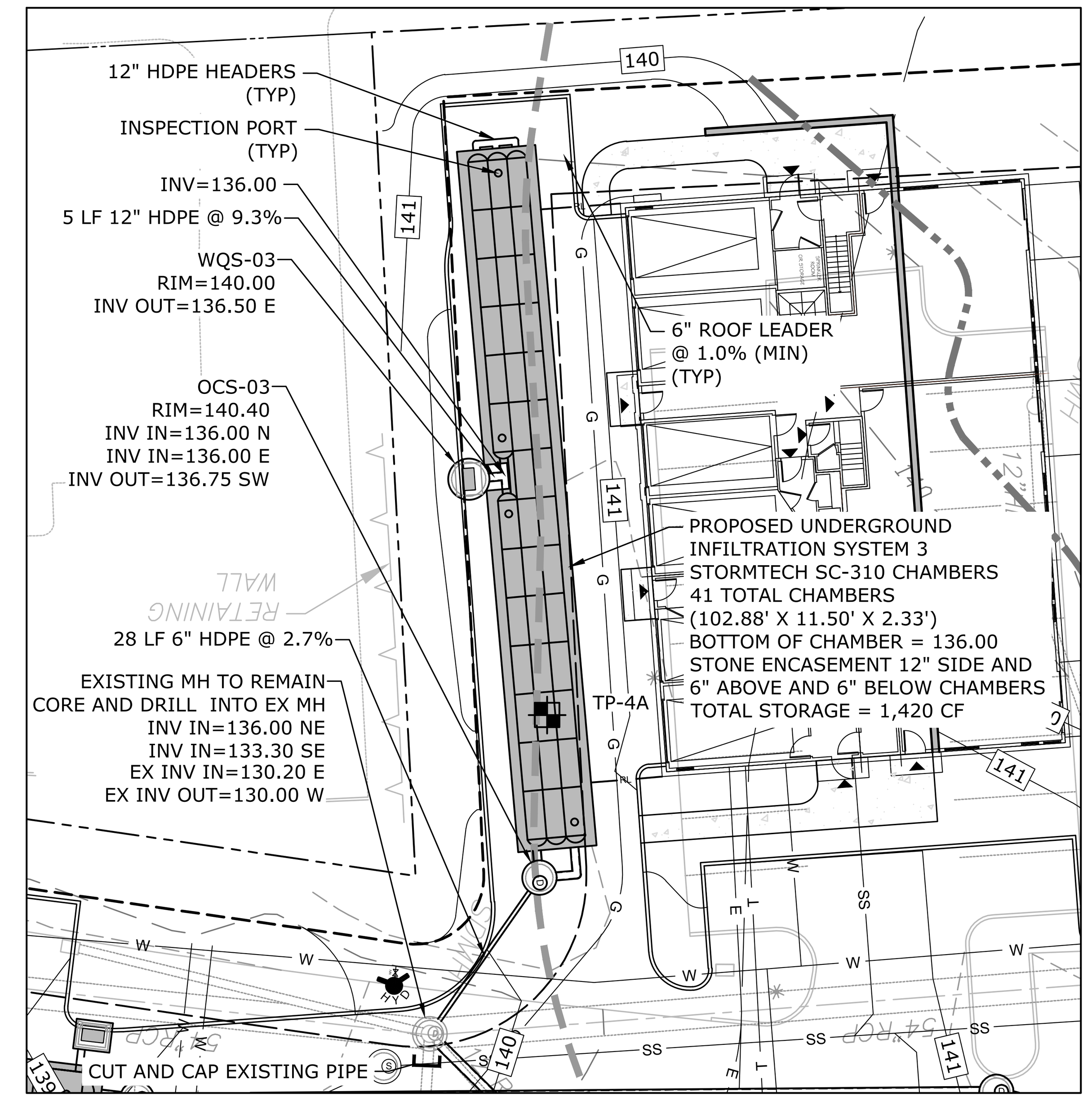
- 100 FT UPLAND REVIEW AREA
- UNIT BOUNDARY LINE
- 25 - EXISTING INDEX CONTOUR
- EXISTING INTERMEDIATE CONTOUR
- X 141.2 - EXISTING SPOT ELEVATION
- 25 - PROPOSED INDEX CONTOUR
- 24 - PROPOSED INTERMEDIATE CONTOUR
- + 32.0 - PROPOSED SPOT ELEVATION
- PROPOSED CURB
- PROPOSED RETAINING WALL
- PROPOSED CATCH BASIN
- PROPOSED YARD DRAIN
- PROPOSED MANHOLE

STORMWATER MANAGEMENT PLAN NOTES

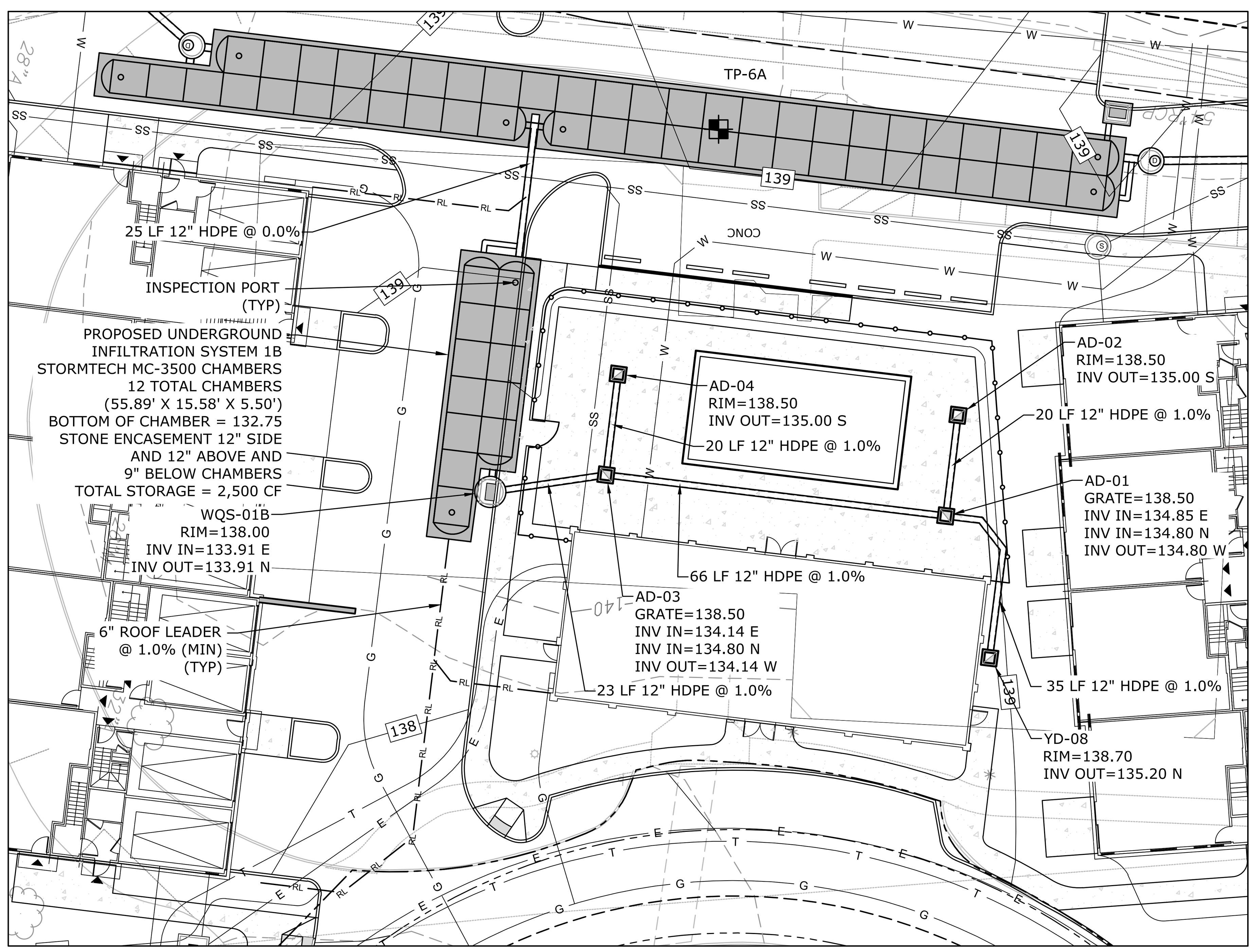
1. REFER TO SHEET C-001 FOR STORM SEWER NOTES.



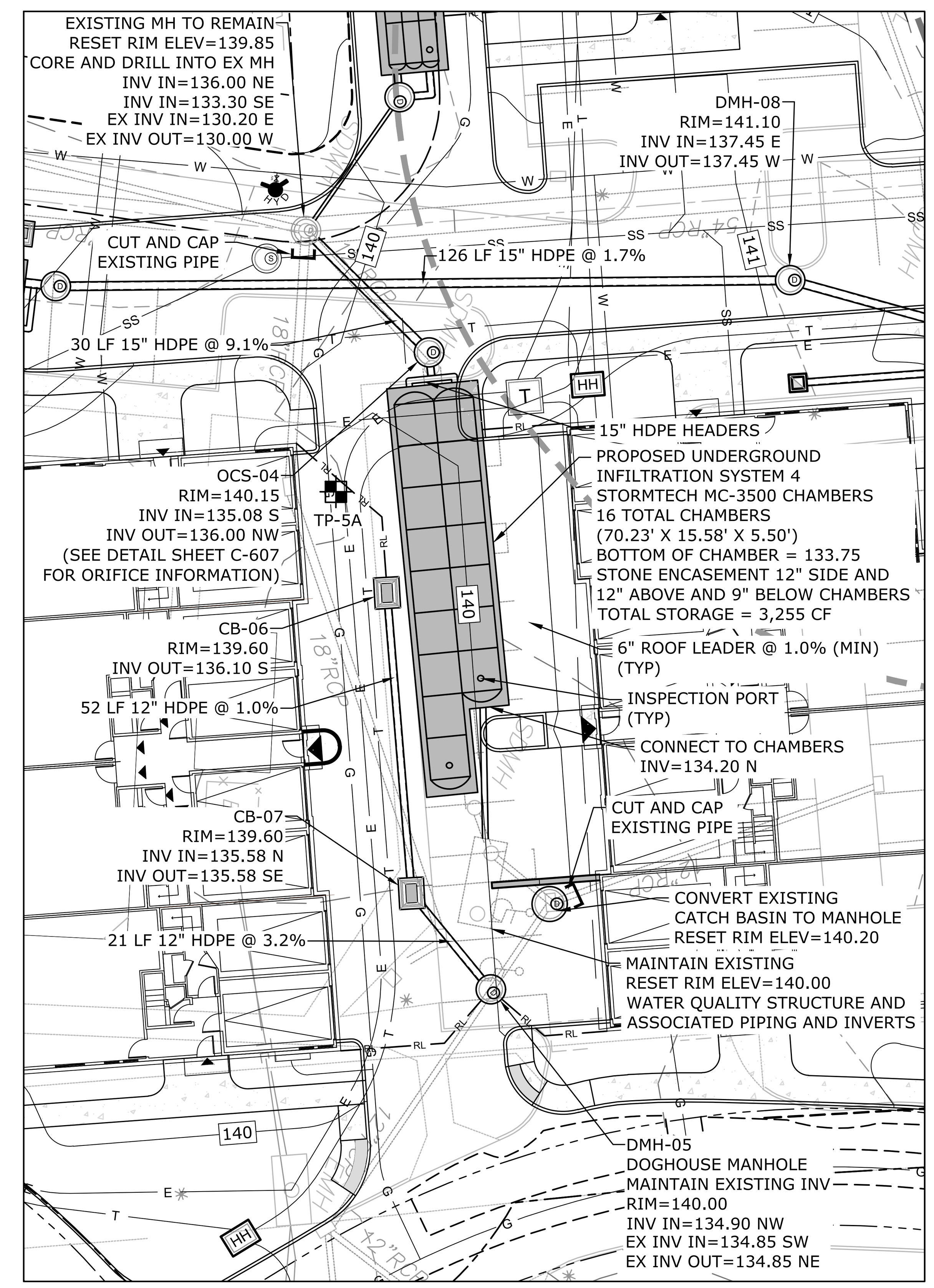
PART PLAN "A" - INFILTRATION SYSTEMS 1A AND 2
SCALE: 1" = 20'



PART PLAN "B" - INFILTRATION SYSTEM 3
SCALE: 1" = 20'



PART PLAN "C" - INFILTRATION SYSTEM 1B
SCALE: 1" = 20'



PART PLAN "D" - INFILTRATION SYSTEM 4
SCALE: 1" = 20'

NOTE

SURVEY CONDITIONS TAKEN FROM PLAN ENTITLED "TOPOGRAPHIC SURVEY OF PROPERTY AT 50, 60 & 64 DANBURY ROAD, WILTON, CONNECTICUT" PREPARED FOR DIVFIFTY, LLC BY D'ANDREA SURVEYING & ENGINEERING, P.C., DATED SEPTEMBER 12, 2023, AND IS FOR REFERENCE ONLY.

0 20' 40'
SCALE: 1" = 20'

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TOWN SUBMISSION

64 Danbury Road

Fuller Development, LLC

Wilton, CT

MARK	DATE	DESCRIPTION
1	4/8/2024	RESPONSE TO TOWN COMMENTS

PROJECT NO:	F0173-001
DATE:	12/21/2023
FILE:	F0173-001-C-301-STRM.dwg
DRAWN BY:	MDS
DESIGNED/CHECKED BY:	EWL
APPROVED BY:	JWB

DRAINAGE PLAN ENLARGEMENT

SCALE: 1" = 20'

C-302

Last Saved: 4/8/2024
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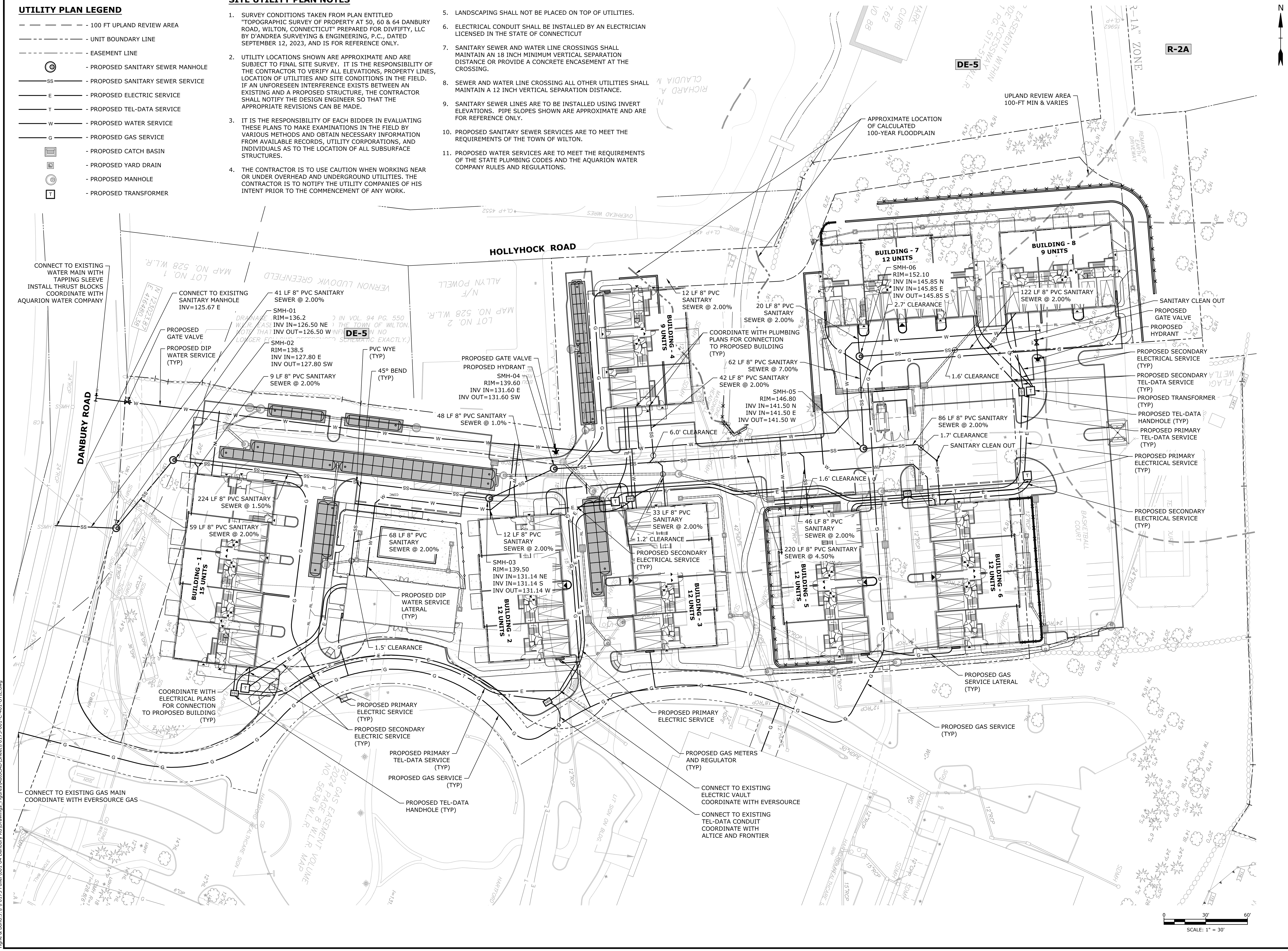
UTILITY PLAN LEGEND

- 100 FT UPLAND REVIEW AREA
- UNIT BOUNDARY LINE
- EASEMENT LINE
- PROPOSED SANITARY SEWER MANHOLE
- SS — PROPOSED SANITARY SEWER SERVICE
- E — PROPOSED ELECTRIC SERVICE
- T — PROPOSED TEL-DATA SERVICE
- W — PROPOSED WATER SERVICE
- G — PROPOSED GAS SERVICE
- PROPOSED CATCH BASIN
- PROPOSED YARD DRAIN
- PROPOSED MANHOLE
- T — PROPOSED TRANSFORMER

SITE UTILITY PLAN NOTES

1. SURVEY CONDITIONS TAKEN FROM PLAN ENTITLED "TOPOGRAPHIC SURVEY OF PROPERTY AT 50, 60 & 64 DANBURY ROAD, WILTON, CONNECTICUT" PREPARED FOR DIVFIFTY, LLC BY D'ANDREA SURVEYING & ENGINEERING, P.C., DATED SEPTEMBER 12, 2023, AND IS FOR REFERENCE ONLY.
2. UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND ARE SUBJECT TO FINAL SITE SURVEY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL ELEVATIONS, PROPERTY LINES, LOCATION OF UTILITIES AND SITE CONDITIONS IN THE FIELD. IF AN UNFORESEEN INTERFERENCE EXISTS BETWEEN AN EXISTING AND A PROPOSED STRUCTURE, THE CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER SO THAT THE APPROPRIATE REVISIONS CAN BE MADE.
3. IT IS THE RESPONSIBILITY OF EACH BIDDER IN EVALUATING THESE PLANS TO MAKE EXAMINATIONS IN THE FIELD BY VARIOUS METHODS AND OBTAIN NECESSARY INFORMATION FROM AVAILABLE RECORDS, UTILITY CORPORATIONS, AND INDIVIDUALS AS TO THE LOCATION OF ALL SUBSURFACE STRUCTURES.
4. THE CONTRACTOR IS TO USE CAUTION WHEN WORKING NEAR OR UNDER OVERHEAD AND UNDERGROUND UTILITIES. THE CONTRACTOR IS TO NOTIFY THE UTILITY COMPANIES OF HIS INTENT PRIOR TO THE COMMENCEMENT OF ANY WORK.
5. LANDSCAPING SHALL NOT BE PLACED ON TOP OF UTILITIES.
6. ELECTRICAL CONDUIT SHALL BE INSTALLED BY AN ELECTRICIAN LICENSED IN THE STATE OF CONNECTICUT
7. SANITARY SEWER AND WATER LINE CROSSINGS SHALL MAINTAIN AN 18 INCH MINIMUM VERTICAL SEPARATION DISTANCE OR PROVIDE A CONCRETE ENCASEMENT AT THE CROSSING.
8. SEWER AND WATER LINE CROSSING ALL OTHER UTILITIES SHALL MAINTAIN A 12 INCH VERTICAL SEPARATION DISTANCE.
9. SANITARY SEWER LINES ARE TO BE INSTALLED USING INVERT ELEVATIONS. PIPE SLOPES SHOWN ARE APPROXIMATE AND ARE FOR REFERENCE ONLY.
10. PROPOSED SANITARY SEWER SERVICES ARE TO MEET THE REQUIREMENTS OF THE TOWN OF WILTON.
11. PROPOSED WATER SERVICES ARE TO MEET THE REQUIREMENTS OF THE STATE PLUMBING CODES AND THE AQUARION WATER COMPANY RULES AND REGULATIONS.



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Tighe&Bond
1000 Bridgeport Avenue
Suite 320
Shelton, CT 06484
(203) 712-1100

TOWN SUBMISSION

64 Danbury Road

Fuller Development, LLC

Wilton, CT

MARK	DATE	DESCRIPTION
1	4/8/2024	RESPONSE TO TOWN COMMENTS

PROJECT NO:	F0173-001
DATE:	12/21/2023
FILE:	F0173-001-C-401-UTIL.dwg
DRAWN BY:	MDS
DESIGNED/CHECKED BY:	EWL
APPROVED BY:	JWB

UTILITY PLAN

SCALE: 1" = 30'

C-401

UTILITY PLAN LEGEND

- 100 FT UPLAND REVIEW AREA
- UNIT BOUNDARY LINE
- EASEMENT LINE
- PROPOSED SANITARY SEWER MANHOLE
- SS — PROPOSED SANITARY SEWER SERVICE
- E — PROPOSED ELECTRIC SERVICE
- T — PROPOSED TEL-DATA SERVICE
- W — PROPOSED WATER SERVICE
- G — PROPOSED GAS SERVICE
- PROPOSED CATCH BASIN
- PROPOSED YARD DRAIN
- PROPOSED MANHOLE
- T — PROPOSED TRANSFORMER

SITE SANITARY PROFILE NOTES

1. SURVEY CONDITIONS TAKEN FROM PLAN ENTITLED "TOPOGRAPHIC SURVEY OF PROPERTY AT 50, 60 & 64 DANBURY ROAD, WILTON, CONNECTICUT" PREPARED FOR DIVFIFTY, LLC BY D'ANDREA SURVEYING & ENGINEERING, P.C., DATED SEPTEMBER 12, 2023, AND IS FOR REFERENCE ONLY.
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4. THE CONTRACTOR IS TO USE CAUTION WHEN WORKING NEAR OR UNDER OVERHEAD AND UNDERGROUND UTILITIES. THE CONTRACTOR IS TO NOTIFY THE UTILITY COMPANIES OF HIS INTENT PRIOR TO THE COMMENCEMENT OF ANY WORK.
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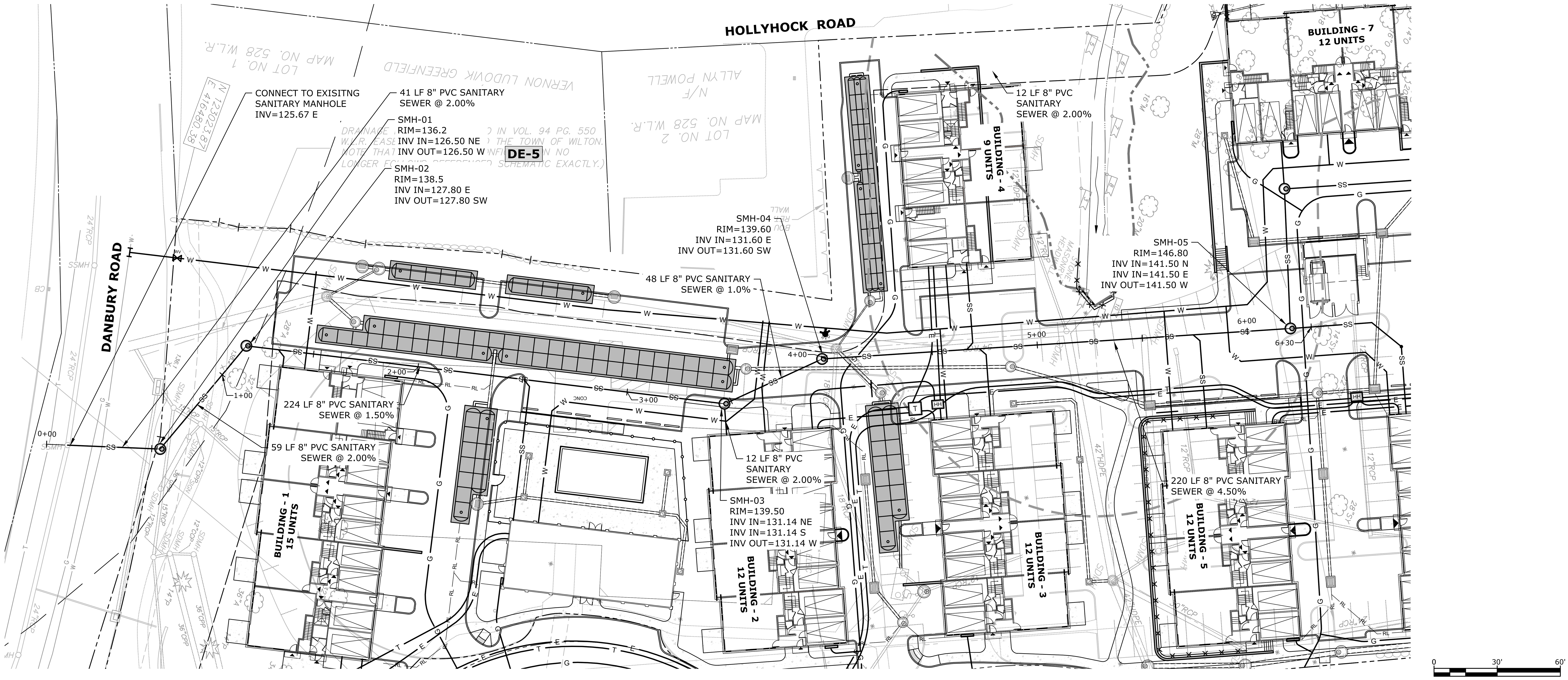
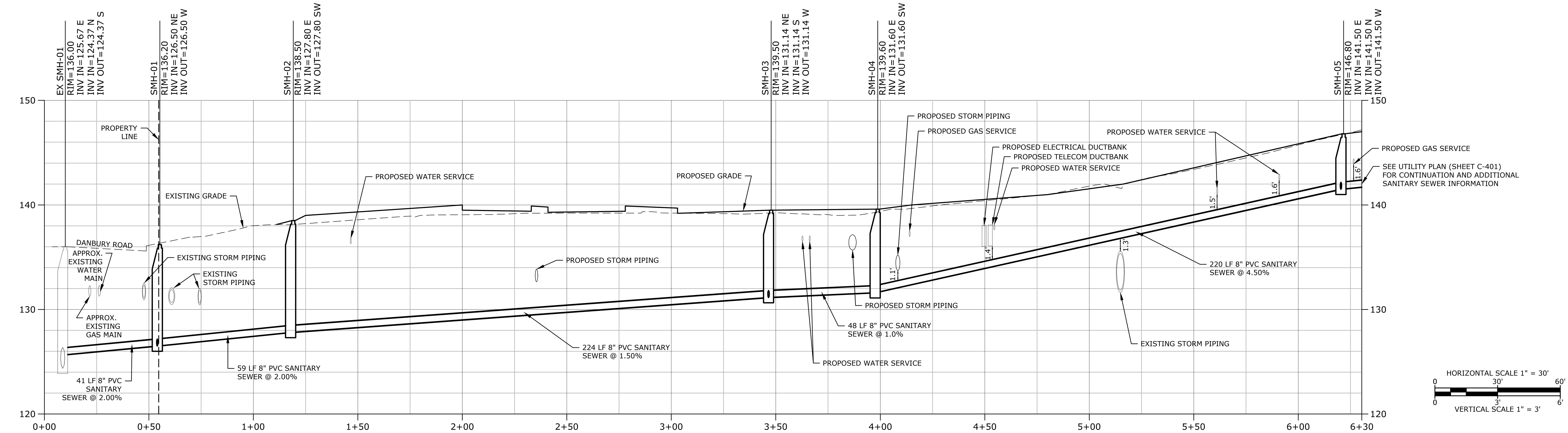
11. PROPOSED WATER SERVICES ARE TO MEET THE REQUIREMENTS OF THE STATE PLUMBING CODES AND THE AQUARION WATER COMPANY RULES AND REGULATIONS.
12. SEE SHEET C-401 FOR ADDITIONAL UTILITY INFORMATION.



SANITARY SEWER PLAN VIEW



SANITARY SEWER PROFILE

Tighe&Bond
1000 Bridgeport Avenue
Suite 320
Shelton, CT 06484
(203) 712-1100

TOWN SUBMISSION

64 Danbury Road

Fuller Development, LLC

Wilton, CT

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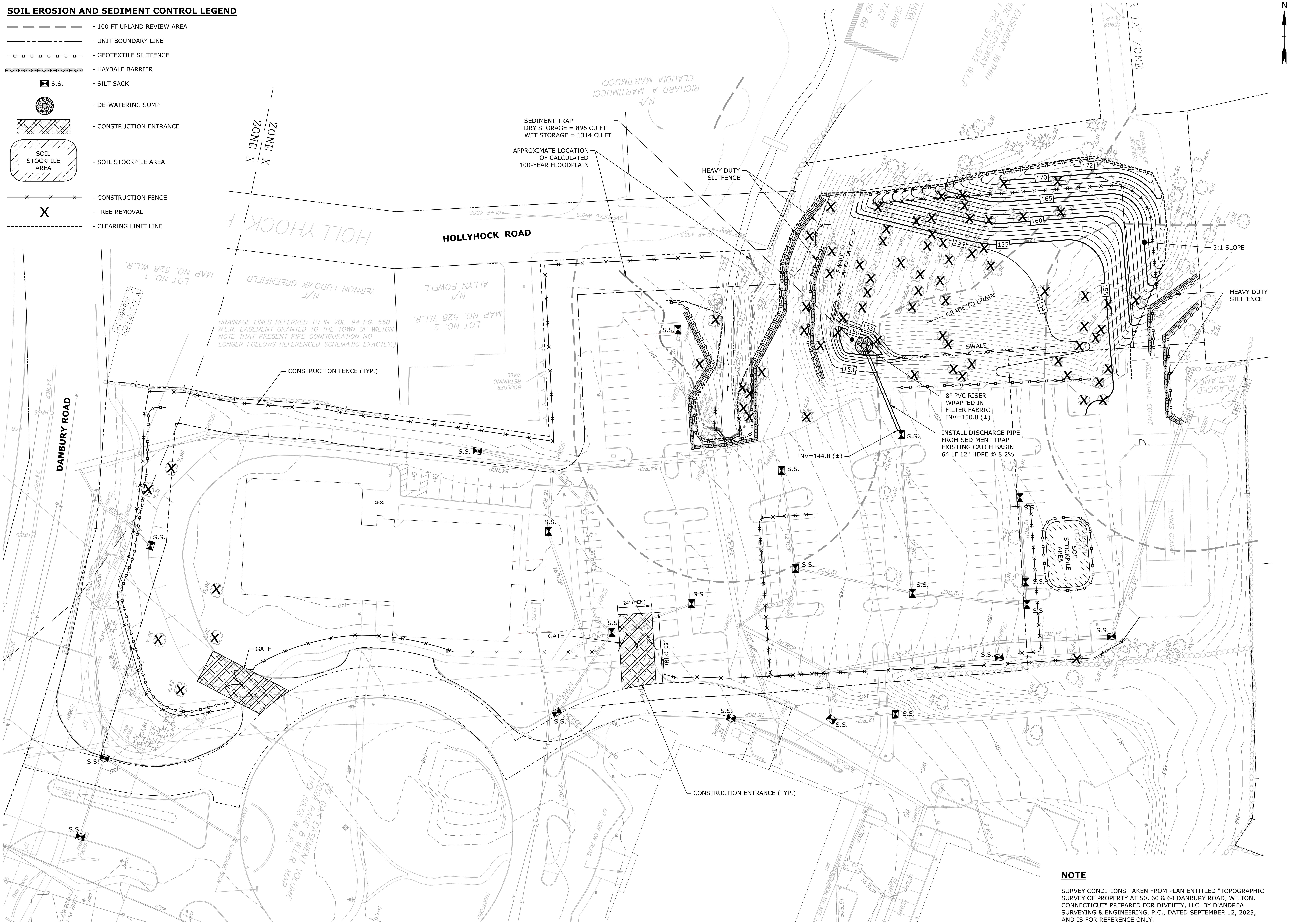
DRAWN BY:	MDS
DESIGNED/CHECKED BY:	EWL
APPROVED BY:	JWB

SANITARY PROFILE

SCALE: 1" = 30'

C-402


SOIL EROSION AND SEDIMENT CONTROL LEGEND
- 100 FT UPLAND REVIEW AREA
- UNIT BOUNDARY LINE
- GEOTEXTILE SILTFENCE
- HAYBALE BARRIER
S.S. - SILT SACK
- DE-WATERING SUMP
- CONSTRUCTION ENTRANCE
SOIL STOCKPILE AREA - SOIL STOCKPILE AREA
- CONSTRUCTION FENCE
X - TREE REMOVAL
- CLEARING LIMIT LINE
ZONE X
HOLLYHOCK ROAD
DANBURY ROAD
SEDIMENT TRAP
DRY STORAGE = 896 CU FT
WET STORAGE = 1314 CU FT
APPROXIMATE LOCATION OF CALCULATED 100-YEAR FLOODPLAIN
HEAVY DUTY SILTFENCE
3:1 SLOPE
GRADE TO DRAIN
SWALE
8" PVC RISER WRAPPED IN FILTER FABRIC INV=150.0 (±)
INSTALL DISCHARGE PIPE FROM SEDIMENT TRAP EXISTING CATCH BASIN 64 LF 12" HDPE @ 8.2%
INV=144.8 (±)
CONSTRUCTION FENCE (TYP.)
GATE
24' (MIN)
50' (MIN)
CONSTRUCTION ENTRANCE (TYP.)
SOIL STOCKPILE AREA
TENNIS COURT
VOLLEYBALL COURT
FLAGGED WETLANDS
N
0 30' 60'
SCALE: 1" = 30'

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TOWN SUBMISSION

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MARK	DATE	DESCRIPTION
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PROJECT NO:	F0173-001
DATE:	12/21/2023
FILE:	F0173-001-C-501-SESC.dwg
DRAWN BY:	MDS
DESIGNED/CHECKED BY:	EWL
APPROVED BY:	JWB

SOIL EROSION AND SEDIMENT CONTROL PLAN INITIAL PHASE

SCALE: 1" = 30'

C-501

NOTE

SURVEY CONDITIONS TAKEN FROM PLAN ENTITLED "TOPOGRAPHIC SURVEY OF PROPERTY AT 50, 60 & 64 DANBURY ROAD, WILTON, CONNECTICUT" PREPARED FOR DIVFIFTY, LLC BY D'ANDREA SURVEYING & ENGINEERING, P.C., DATED SEPTEMBER 12, 2023, AND IS FOR REFERENCE ONLY.

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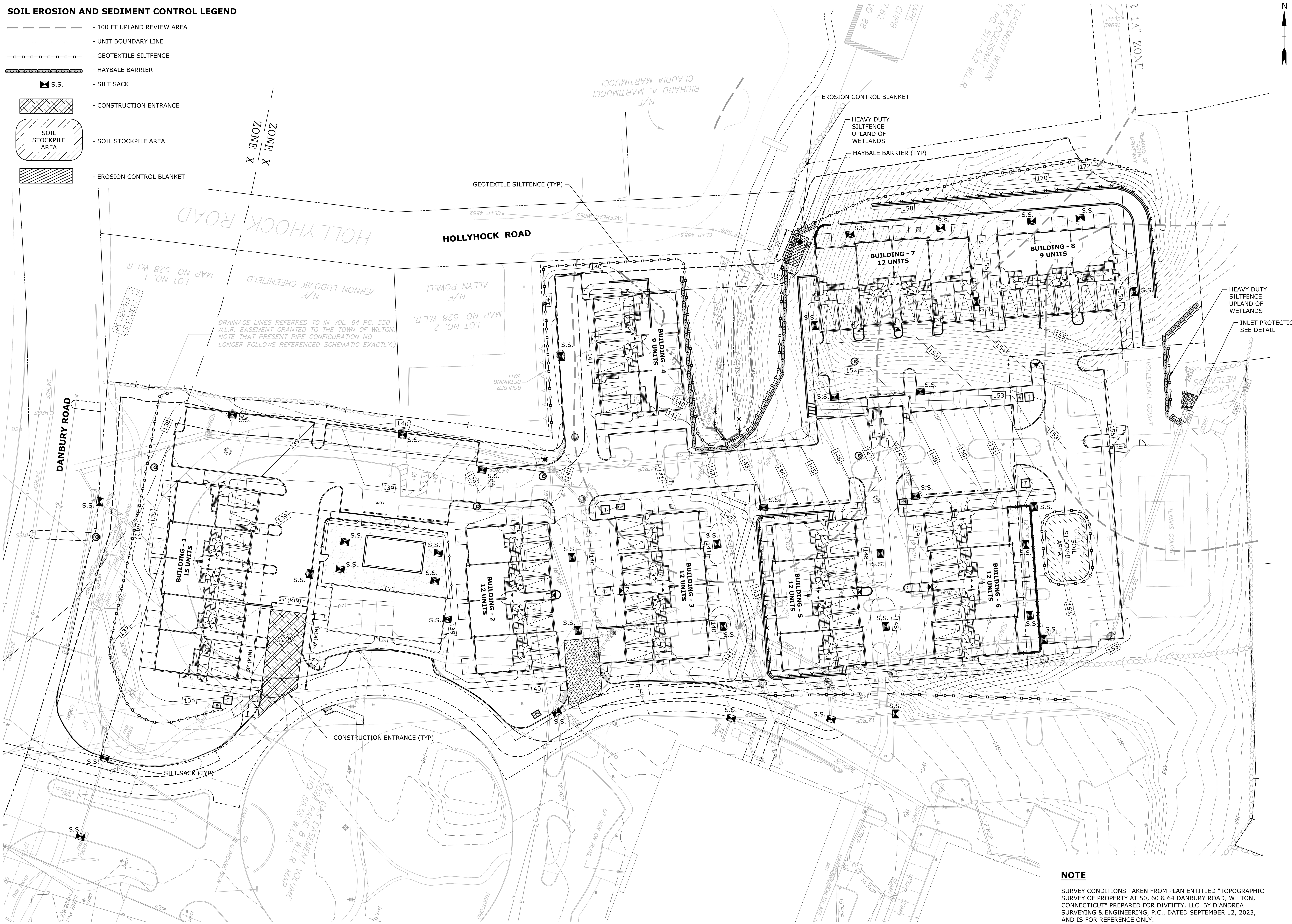
SOIL EROSION AND SEDIMENT CONTROL LEGEND

- 100 FT UPLAND REVIEW AREA
- UNIT BOUNDARY LINE
- GEOTEXTILE SILTFENCE
- HAYBALE BARRIER
- S.S. - SILT SACK
- CONSTRUCTION ENTRANCE
- SOIL STOCKPILE AREA - SOIL STOCKPILE AREA
- EROSION CONTROL BLANKET



NOTE

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0 30' 60'
SCALE: 1" = 30'

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DRAWN BY:	MDS
DESIGNED/CHECKED BY:	EWL
APPROVED BY:	JWB

SOIL EROSION AND SEDIMENT CONTROL PLAN FINAL PHASE

SCALE: 1" = 30'

C-502

SOIL EROSION AND SEDIMENT CONTROL

THE STORMWATER MANAGEMENT MEASURES WILL ADDRESS THE STORMWATER QUALITY ONCE THE SITE HAS BEEN CONSTRUCTED AND STABILIZED. SEDIMENTATION AND EROSION CONTROL MEASURES WILL BE INSTALLED DURING CONSTRUCTION WHICH WILL MINIMIZE ADVERSE IMPACTS FROM CONSTRUCTION ACTIVITIES.

ALL SEDIMENTATION AND EROSION CONTROL MEASURES PROPOSED FOR THIS DEVELOPMENT HAVE BEEN DESIGNED IN ACCORDANCE WITH THE "2024 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENTATION CONTROL" AS PUBLISHED BY THE CONNECTICUT COUNCIL ON SOIL EROSION AND WATER CONSERVATION. ADDITIONAL GUIDELINES HAVE ALSO BEEN FOLLOWED THAT ARE AVAILABLE FROM THE CONNECTICUT DEPARTMENT OF ENVIRONMENTAL PROTECTION AS RECOMMENDED FOR SEDIMENTATION CONTROL DURING CONSTRUCTION ACTIVITIES.

LISTED BELOW ARE THE EROSION CONTROL NARRATIVE AND THE EROSION CONTROL NOTES.

SOIL EROSION AND SEDIMENT CONTROL NARRATIVE

GENERAL

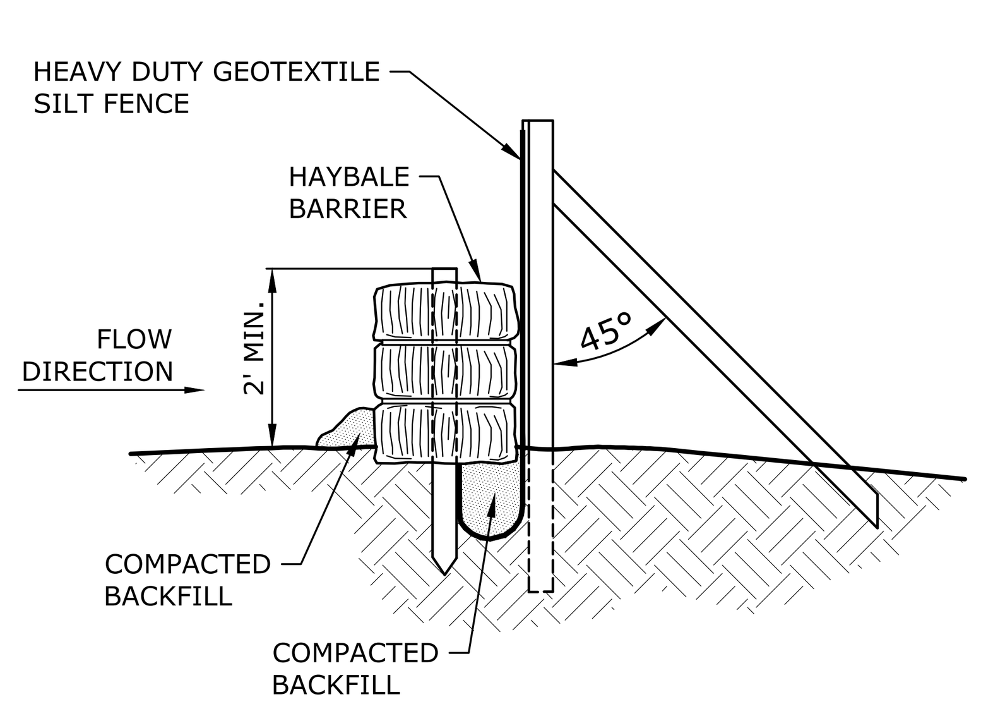
1. THE PROPOSED DEVELOPMENT IS ENTITLED 64 DANBURY ROAD, WILTON, CONNECTICUT.
2. ESTIMATED:
   PROJECT START: SPRING 2024
   PROJECT COMPLETION: SUMMER 2026
3. EROSION CONTROL NARRATIVE REFERS TO DRAWINGS C-501 THROUGH C-504.
4. THE PROPOSED SITE DEVELOPMENT WILL CONSIST OF BUILDING DEMOLITION, CLEARING AND GRUBBING THE EXISTING SITE, EXCAVATION,CONSTRUCTION OF STORMWATER MANAGEMENT, UTILITIES, AND ROUGH GRADING OF BUILDING, PARKING AREAS, SIDEWALKS AND CURBING.
5. THE DEVELOPMENT IS LOCATED ON DANBURY ROAD IN WILTON, CONNECTICUT.

CONSTRUCTION SEQUENCE - INITIAL PHASE

1. CONDUCT A PRE-CONSTRUCTION MEETING WITH THE OWNER OR OWNER'S REPRESENTATIVE, TOWN PLANNER, DIRECTOR OF ENVIRONMENTAL AFFAIRS, DESIGN ENGINEER, SITE ENGINEER, CONTRACTOR AND SITE SUPERINTENDENT TO ESTABLISH THE LIMITS OF CONSTRUCTION, CONSTRUCTION PROCEDURES AND MATERIAL STOCKPILE AREAS.
2. FIELD STAKE THE LIMITS OF CONSTRUCTION.
3. INSTALL ALL APPLICABLE SOIL AND EROSION CONTROL MEASURES AROUND THE PERIMETER OF THE SITE TO THE EXTENT POSSIBLE. THIS WILL INCLUDE SILTATION FENCE AROUND THE PROJECT AS SHOWN ON THE PLANS.
4. INSTALL CONSTRUCTION ACCESS ROAD AND ANTI-TRACKING PAVEMENT IN THE AREAS AS SHOWN ON THE PLANS. ALL CONSTRUCTION ACCESS SHALL BE INTO THE SITE THROUGH THE ANTI-TRACKING PADS.
5. ESTABLISH TEMPORARY STAGING AREA.
6. BEGIN BUILDING DEMOLITION AND PAVEMENT REMOVAL.
7. BEGIN MASS EARTHWORK AND CONSTRUCT SEDIMENT TRAP IN THE VICINITY OF BUILDINGS 7 & 8. CONSTRUCT RETAINING WALLS AND LEVEL BUILDING PAD AS SOON AS POSSIBLE AFTER EXCAVATED.
8. CONSTRUCT THE INITIAL STORM DRAINAGE AS SHOWN ON THE DRAINAGE PLANS.
9. INSTALL WATER QUALITY SYSTEMS AND ASSOCIATED DRAINAGE NETWORK TO THE MAXIMUM EXTENT PRACTICABLE. GRADE THE AREA AROUND THE STORM DRAINAGE SYSTEM AS NECESSARY.
10. BEGIN ROUGH ROADWAY GRADING.
11. INSTALL REMAINING DRAINAGE SYSTEM TO THE EXTENT NECESSARY TO PROVIDE POSITIVE DRAINAGE.
12. BEGIN INSTALLATION OF SANITARY SEWER SYSTEM, WATER AND OTHER UTILITIES TO EXTENT NECESSARY.
13. PROVIDE SILT FENCE/HAYBALE BARRIER AROUND SOIL STOCKPILE AREA. PROVIDE TEMPORARY VEGETATIVE COVER (DEFINED IN EROSION CONTROL NOTES) ON ALL EXPOSED SURFACES.
14. BEGIN BUILDING CONSTRUCTION.
15. PAVE BINDER COURSE ON PARKING AND DRIVEWAYS FOR NON-POROUS PAVEMENT AREAS.
16. ESTABLISH TEMPORARY VEGETATIVE COVER.

CONSTRUCTION SEQUENCE - FINAL PHASE

1. REPAIR PERIMETER SEDIMENT & EROSION CONTROLS AS NEEDED.
2. CLEAN/REPLACE CONTROLS FROM PREVIOUS PHASE AS NEEDED.
3. FINE GRADE SITE.
4. CONTINUE CONSTRUCTION OF BUILDING.
5. COMPLETE CONSTRUCTION OF SIDEWALKS.
6. ESTABLISH FINAL VEGETATIVE COVER AND LANDSCAPING.
7. PAVE SURFACE COURSE ON ROADWAYS.
8. REMOVE EROSION CONTROLS WHEN SITE IS STABILIZED.



NOTE:

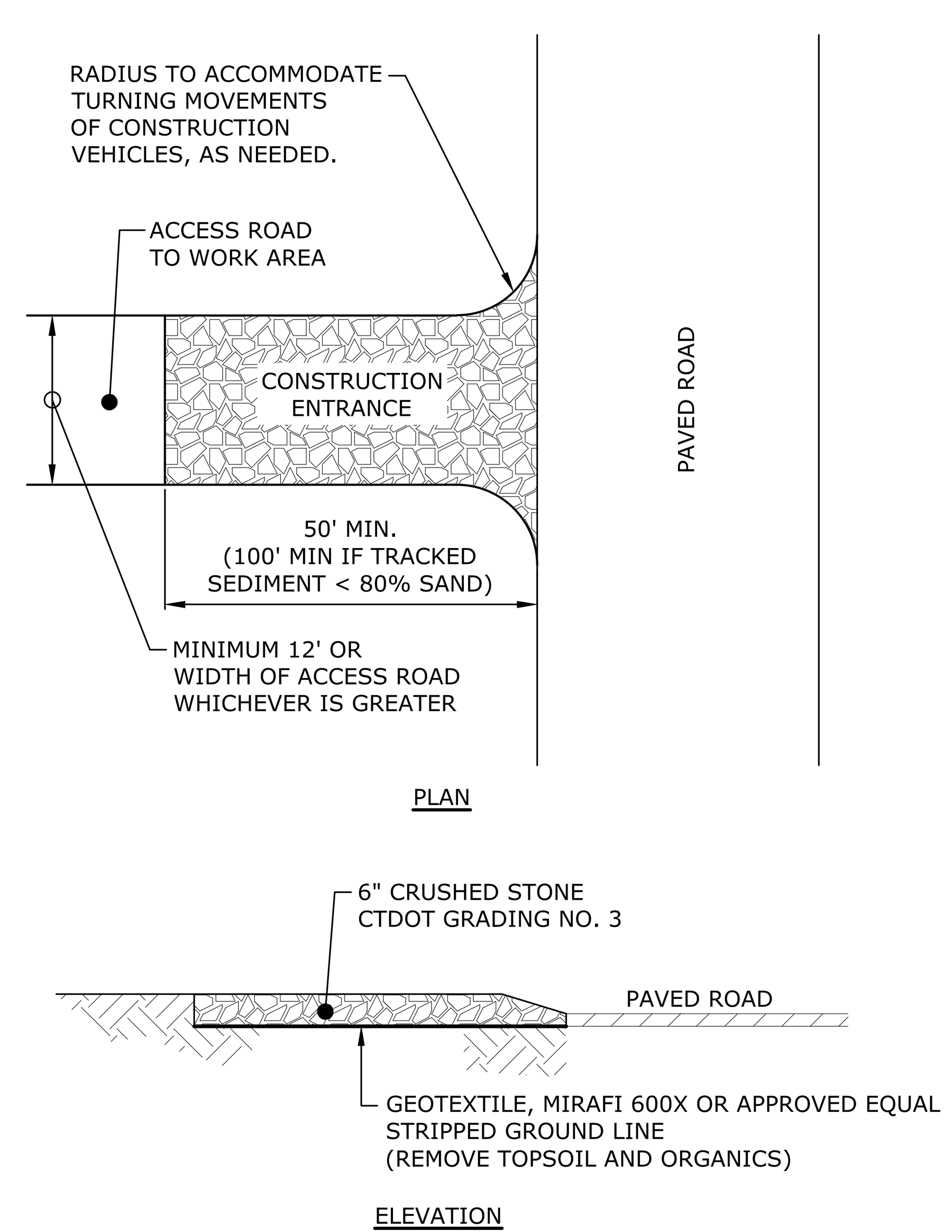
1. BACKFILL AND COMPACT THE EXCAVATED SOIL AS SHOWN ON THE UPHILL SIDE OF THE BARRIER TO PREVENT PIPING.

SILT FENCE AND HAYBALE COMBINED BARRIER

NO SCALE

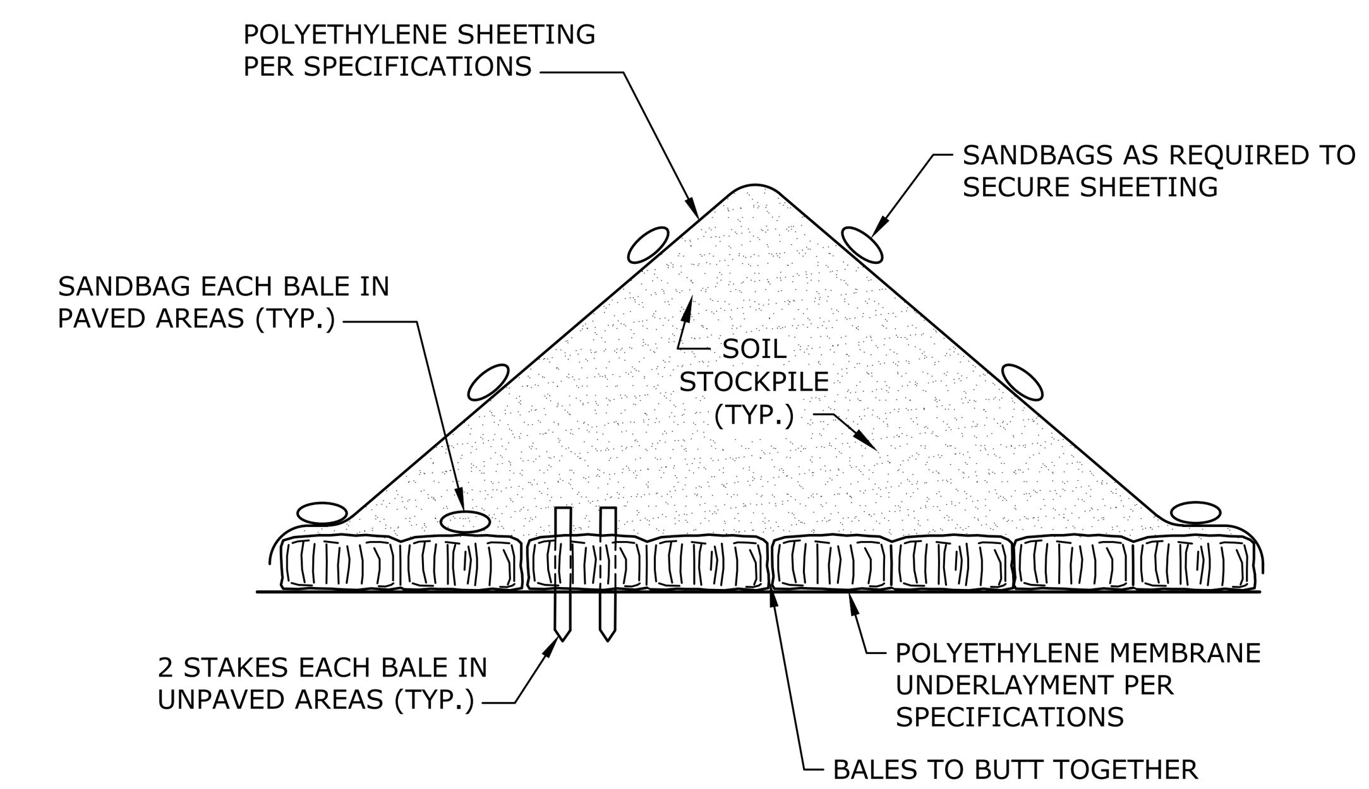
SOIL EROSION AND SEDIMENT CONTROL NOTES

1. ALL SEDIMENTATION AND EROSION CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE "2024 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL", DEP BULLETIN NO. 34, AND ALL AMENDMENTS AND ADDENDA THERETO AS PUBLISHED BY THE CONNECTICUT DEPARTMENT OF ENVIRONMENTAL PROTECTION.
2. LAND DISTURBANCE SHALL BE KEPT TO THE MINIMUM NECESSARY FOR CONSTRUCTION OPERATIONS.
3. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED AS SHOWN ON THE PLAN AND ELSEWHERE AS ORDERED BY THE ENGINEER.
4. ALL CATCH BASINS SHALL BE PROTECTED WITH A SILT SACKS, HAYBALE RING, SILT FENCE OR BLOCK AND STONE INLET PROTECTION THROUGHOUT THE CONSTRUCTION PERIOD AND UNTIL ALL DISTURBED AREAS ARE THOROUGHLY STABILIZED.
5. WHENEVER POSSIBLE, EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO CONSTRUCTION. SEE "EROSION CONTROL NARRATIVE".
6. ADDITIONAL CONTROL MEASURES SHALL BE INSTALLED DURING THE CONSTRUCTION PERIOD AS ORDERED BY THE ENGINEER.
7. ALL SEDIMENTATION AND EROSION CONTROL MEASURES SHALL BE MAINTAINED IN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD.
8. SEDIMENT REMOVED SHALL BE DISPOSED OF OFF SITE OR IN A MANNER AS REQUIRED BY THE ENGINEER.
9. THE CONSTRUCTION CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION AND MAINTENANCE OF ALL CONTROL MEASURES THROUGHOUT THE CONSTRUCTION PERIOD.
10. ALL DISTURBED AREAS TO BE LEFT EXPOSED FOR MORE THAN 30 DAYS SHALL BE PROTECTED WITH A TEMPORARY VEGETATIVE COVER. SEED THESE AREAS WITH PERENNIAL RYEGRASS AT THE RATE OF 40 LBS. PER ACRE (1 LB. PER 1,000 SQ. FT). APPLY SOIL AMENDMENTS AND MULCH AS REQUIRED TO ESTABLISH A UNIFORM STAND OF VEGETATION OVER ALL DISTURBED AREAS.
11. THE CONSTRUCTION CONTRACTOR SHALL UTILIZE APPROVED METHODS/MATERIALS FOR PREVENTING THE BLOWING AND MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES ONTO ADJACENT PROPERTIES AND SITE AREAS.
12. THE CONSTRUCTION CONTRACTOR SHALL MAINTAIN A SUPPLY OF SILT FENCE/HAYBALES AND ANTI-TRACKING CRUSHED STONE ON SITE FOR EMERGENCY REPAIRS.
13. ALL DRAINAGE STRUCTURES SHALL BE PERIODICALLY INSPECTED WEEKLY BY THE CONSTRUCTION CONTRACTOR AND CLEANED TO PREVENT THE BUILD-UP OF SILT.
14. THE CONSTRUCTION CONTRACTOR SHALL CAREFULLY COORDINATE THE PLACEMENT OF EROSION CONTROL MEASURES WITH THE PHASING OF CONSTRUCTION.
15. KEEP ALL PAVED SURFACES CLEAN. SWEEP AND SCRAPE BEFORE FORECASTED STORMS.
16. TREAT ALL UNPAVED SURFACE WITH 4" MINIMUM OF TOPSOIL PRIOR TO FINAL STABILIZATION.
17. HAYBALE BARRIERS AND SILT FENCING SHALL BE INSTALLED ALONG THE TOE OF CRITICAL CUT AND FILL SLOPES.
18. THE CONTRACTOR SHALL NOTIFY THE TOWN OFFICIALS PRIOR TO THE INSTALLATION OF EROSION CONTROLS, CUTTING OF TREES, OR ANY EXCAVATION.
19. ALL TRUCKS LEAVING THE SITE MUST BE COVERED.
20. SOME CONTROL MEASURES ARE PERMANENT. THESE STRUCTURES SHALL BE CLEANED AND REPLENISHED AT THE END OF CONSTRUCTION. LOCATIONS OF THE PERMANENT CONTROL STRUCTURES ARE SHOWN ON THE DRAINAGE PLANS.
21. ALL SEDIMENTATION AND EROSION CONTROLS SHALL BE CHECKED WEEKLY AND/OR AFTER EACH RAIN FALL EVENT. NECESSARY REPAIRS SHALL BE MADE WITHOUT DELAY.
22. PRIOR TO ANY FORECASTED RAINFALL, EROSION AND SEDIMENT CONTROLS SHALL BE INSPECTED AND REPAIRED AS NECESSARY.
23. AFTER ALL DISTURBED AREAS HAVE BEEN STABILIZED, EROSION CONTROLS MAY BE REMOVED ONCE AUTHORIZATION TO DO SO HAS BEEN SECURED FROM THE OWNER. DISTURBED AREAS SHALL BE SEEDED AND MULCHED.
24. ALL EMBANKMENT SLOPES 3:1 OR GREATER TO BE STABILIZED WITH EROSION CONTROL BLANKET, NORTH AMERICAN GREEN SC150BN OR APPROVED EQUIVALENT, UNLESS OTHERWISE NOTED ON PLANS.



CONSTRUCTION ENTRANCE

NO SCALE

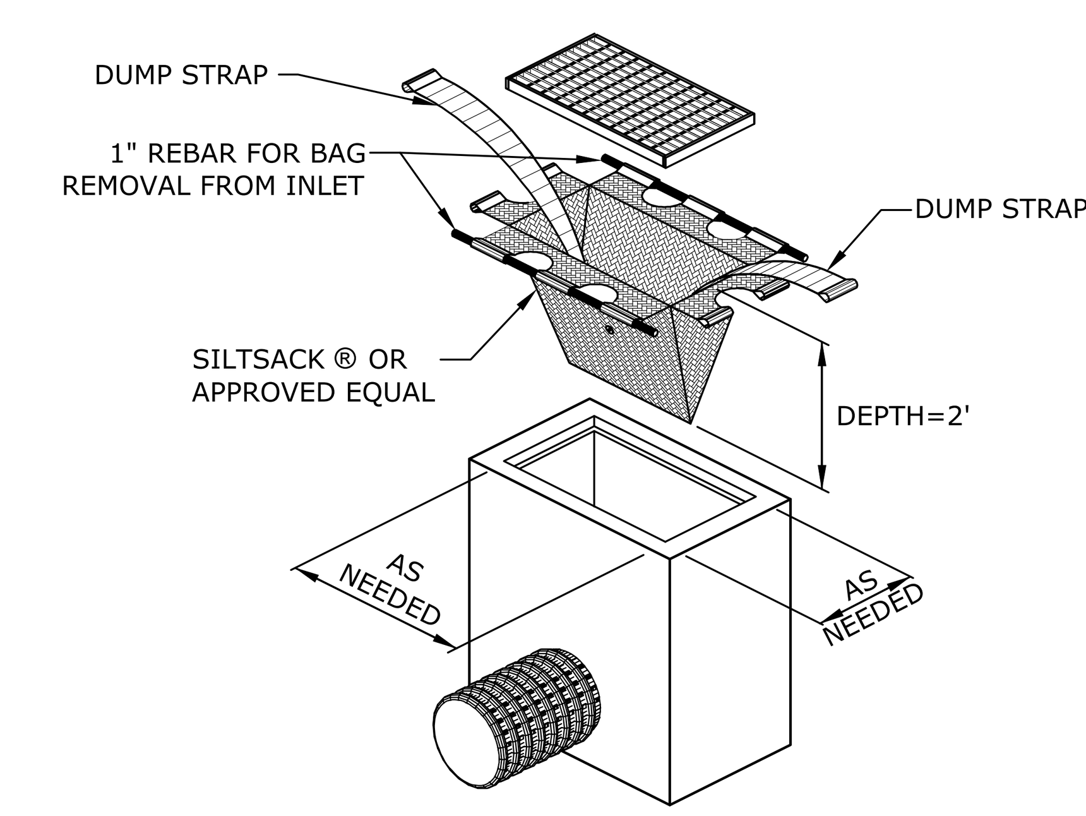


NOTE:

1. DIMENSIONS AS SHOWN ON PLANS

TEMPORARY CONTROLLED STOCKPILE AREA

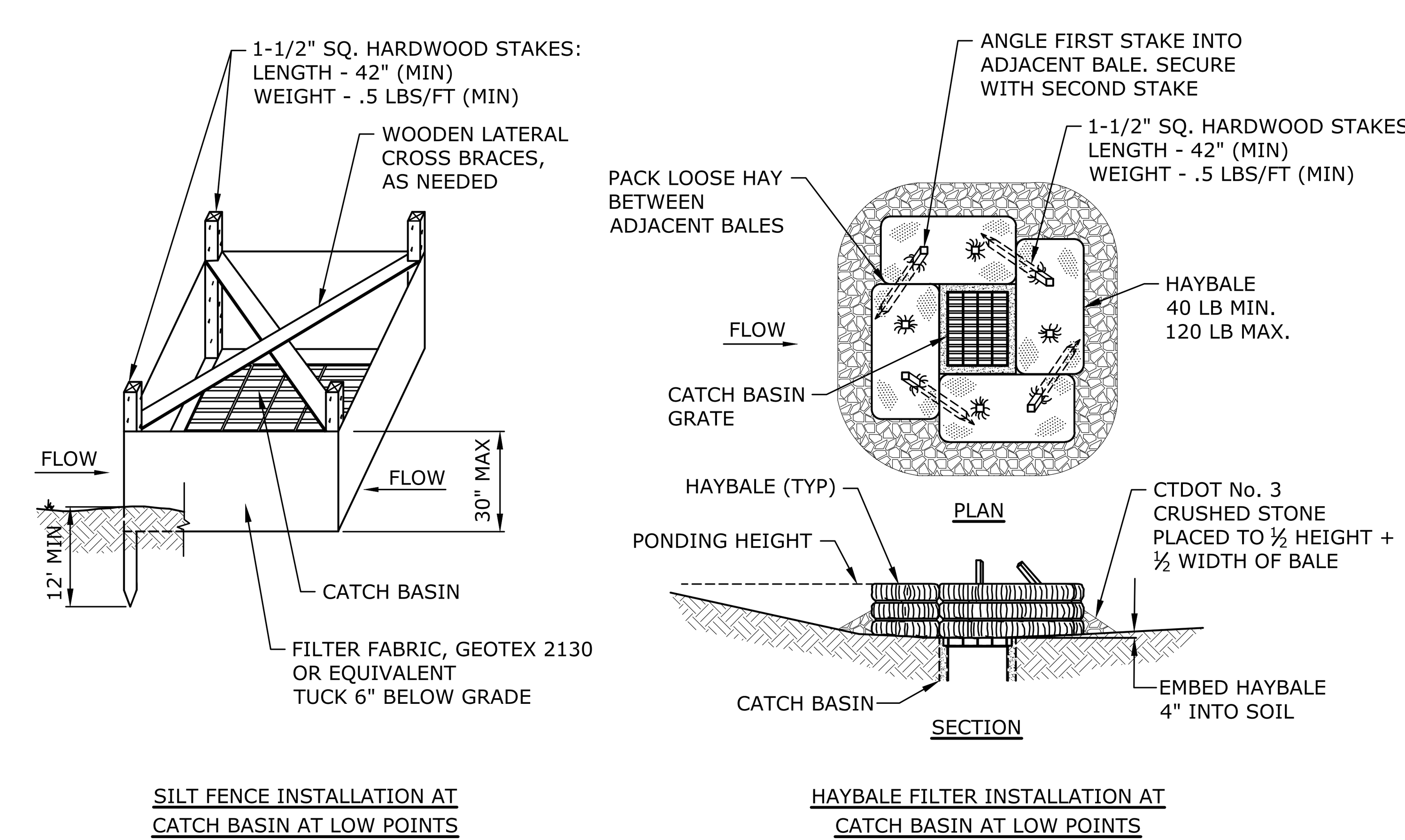
NO SCALE



SILTSACK MANUFACTURED BY:
ACF ENFIRONMENTAL
2831 CARDWELL ROAD
RICHMOND, VIRGINIA 23237

SILTSACK®

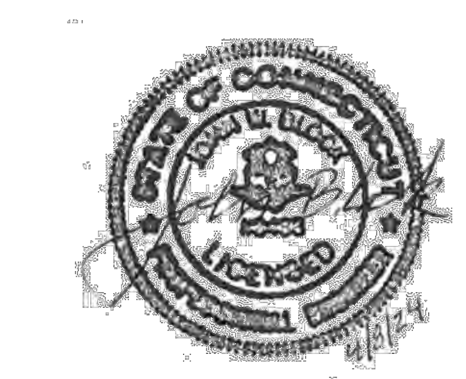
NO SCALE



CATCH BASIN EROSION CONTROL

NO SCALE

Tighe&Bond
1000 Bridgeport Avenue
Suite 320
Shelton, CT 06484
(203) 712-1100



TOWN SUBMISSION

64 Danbury Road

Fuller Development, LLC

Wilton, CT

MARK	DATE	DESCRIPTION
1	4/8/2024	RESPONSE TO TOWN COMMENTS

PROJECT NO:	F0173-001
DATE:	12/21/2023
FILE:	F0173-001-C-501-SESC.dwg
DRAWN BY:	MDS
DESIGNED/CHECKED BY:	EWL
APPROVED BY:	JWB

SOIL EROSION AND SEDIMENT CONTROL NOTES NARRATIVE AND DETAILS

SCALE: AS SHOWN

C-503

Last Saved: 4/5/2024
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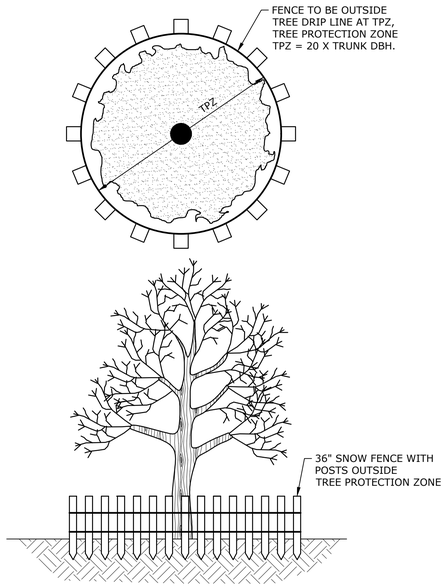

TREE PROTECTION
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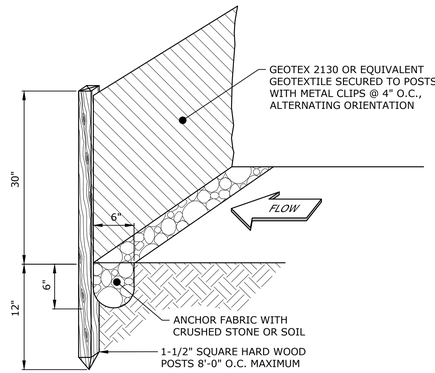

SILT FENCE
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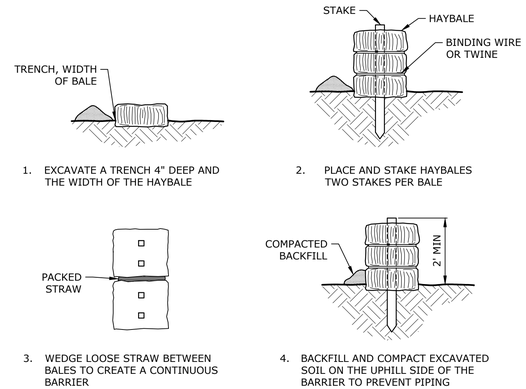
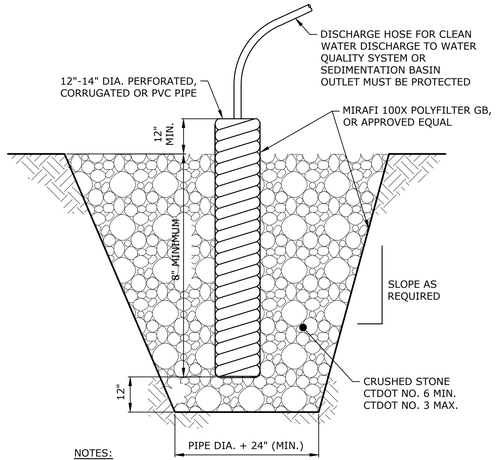


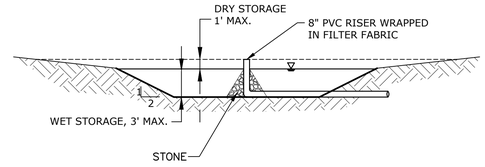
PLACEMENT AND CONSTRUCTION OF HAYBALE BARRIER
NO SCALE



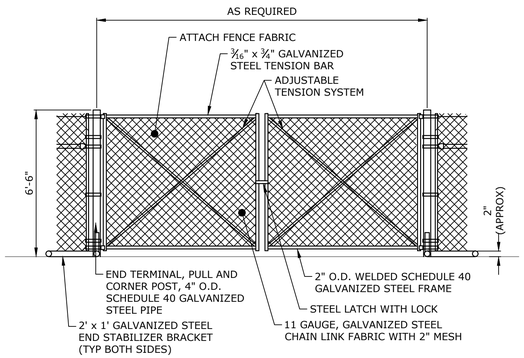
NOTES:

1. PERFORATIONS SHALL BE CIRCULAR OR SLOTS, NOT TO EXCEED 1/2" DIAMETER.
2. SIDE SLOPES TO MEET OSHA TRENCHING REQUIREMENTS.

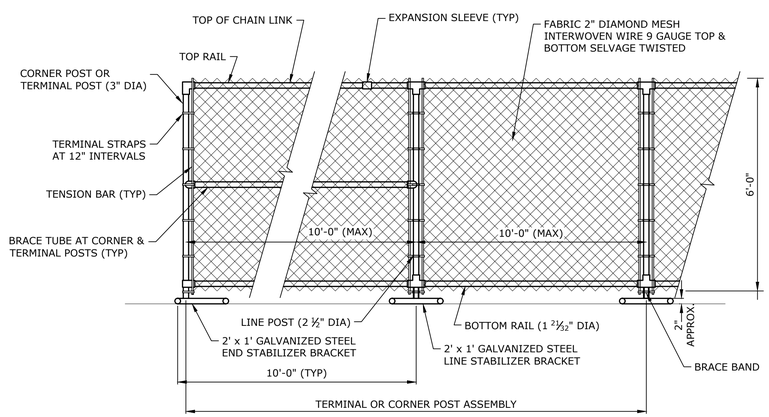
SUMP PIT DETAIL (IF REQUIRED)
NO SCALE



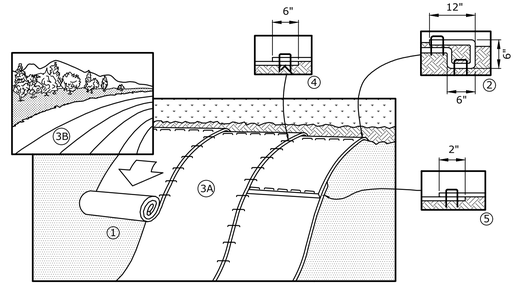
TEMPORARY SEDIMENT TRAP
NO SCALE



6' TEMPORARY CHAIN LINK CONSTRUCTION GATE
NO SCALE



6' TEMPORARY CHAIN LINK CONSTRUCTION FENCE
NO SCALE



NOTES:

1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER AND SEED.
2. BEGIN AT THE TOP OF THE SLOPE, 36" OVER THE GRADE BREAK, BY ANCHORING THE BLANKET IN A 6" DEEP X 6" WIDE TRENCH WITH APPROXIMATELY 12" OF BLANKET EXTENDED BEYOND THE UPSLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES 12" APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES SPACED 12" APART ACROSS THE WIDTH OF THE BLANKET.
3. ROLL THE BLANKETS DOWN THE SLOPE. ALL BLANKETS MUST BE SECURELY FASTENED TO THE SOIL SURFACE BY PLACING STAPLES IN APPROPRIATE LOCATIONS AS SHOWN ON THE STAPLE PATTERN GUIDE.
4. STAPLE LENGTHS SHALL BE A MINIMUM OF 8 INCHES.

EROSION CONTROL BLANKET FOR SLOPE PROTECTION
NO SCALE

Tighe&Bond
1000 Bridgeport Avenue
Suite 320
Shelton, CT 06484
(203) 712-1100

STATE OF CONNECTICUT
JOHN W. LINDSAY
LICENSED
PROFESSIONAL ENGINEER
4/9/24

STATE OF CONNECTICUT
JOHN W. LINDSAY
LICENSED
PROFESSIONAL ENGINEER
4/9/24

TOWN SUBMISSION

64 Danbury Road

Fuller Development, LLC

Wilton, CT

MARK	DATE	DESCRIPTION
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PROJECT NO:		F0173-001
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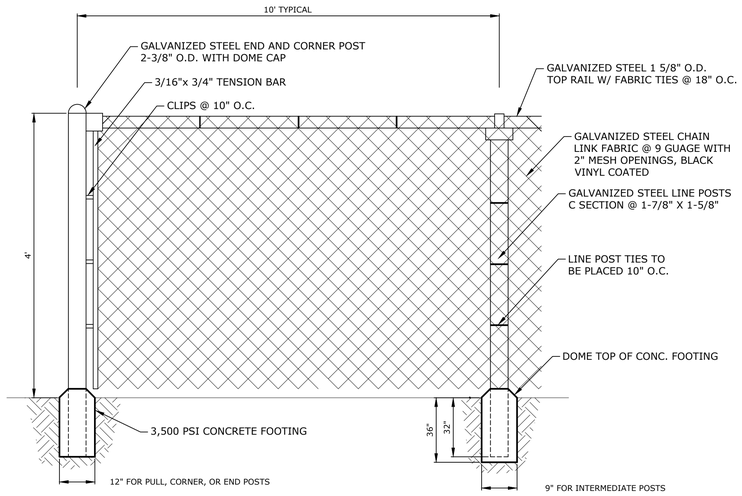
FILE:		F0173-001-C-501-SESC.dwg
DRAWN BY:		MDS
DESIGNED/CHECKED BY:		EWL
APPROVED BY:		JWB

SOIL EROSION AND SEDIMENT CONTROL DETAILS

SCALE: AS SHOWN

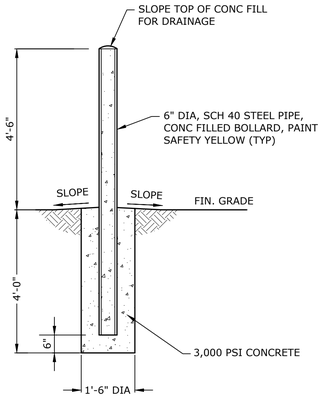
C-504

Last Saved: 4/5/2024
Plotted On:Apr 08, 2024-11:25am By: AClark
Tighe & Bond:J:\F\F0173 Fuller\001 64 Danbury Rd\Drawings_Figures\AutoCAD\Sheet\F0173-001-C-501-SESC.dwg

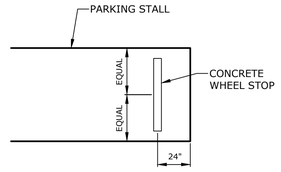


NOTE: PROVIDE PRIVACY SCREENING FOR FENCE MESH ALONG THE TOP OF PROPOSED RETAINING WALLS OR AS DIRECTED BY THE CITY OF WILTON.

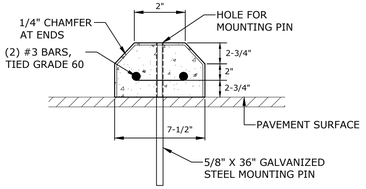
BLACK VINYL-COATED MESH
4' CHAIN LINK FENCE
NO SCALE



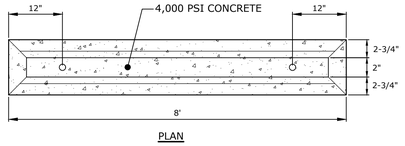
6" DIAMETER
STEEL UTILITY BOLLARD
NO SCALE



PLACEMENT OF WHEEL STOP

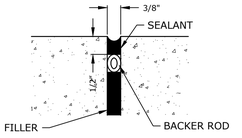


SECTION

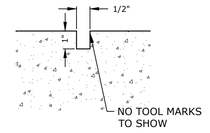


PLAN

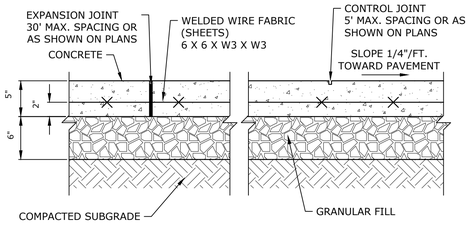
CONCRETE WHEEL STOP DETAIL
NO SCALE



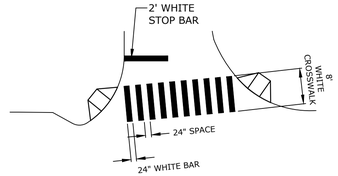
EXPANSION JOINT



CONTROL JOINT

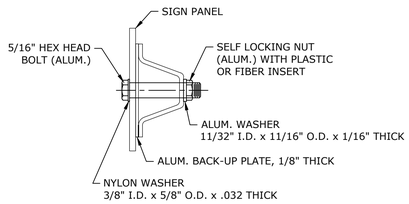


CONCRETE SIDEWALK DETAIL
NO SCALE

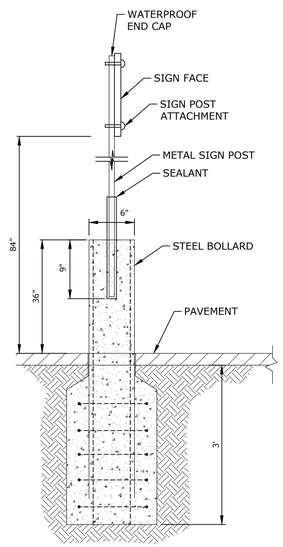


CROSSWALK & STOP BAR

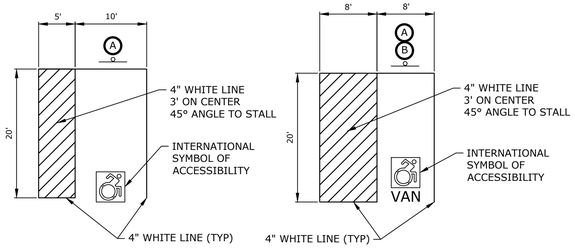
TYPICAL PAVEMENT MARKING DETAILS
NO SCALE



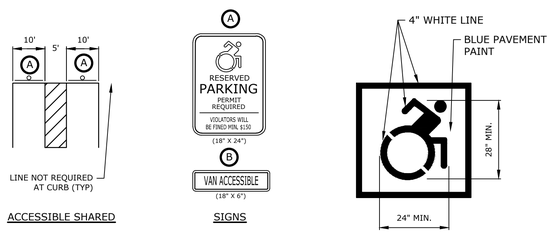
TYPICAL SIGN
PANEL ATTACHMENT
NO SCALE



BOLLARD SIGN MOUNTING DETAIL
NO SCALE



ACCESSIBLE SINGLE VAN ACCESSIBLE

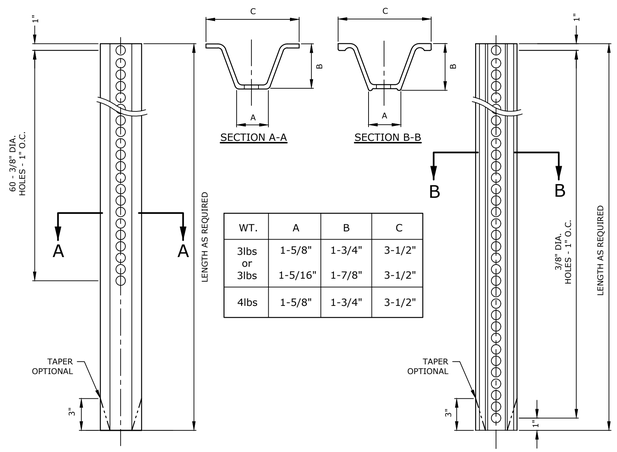


ACCESSIBLE SHARED SIGNS INTERNATIONAL SYMBOL OF ACCESSIBILITY

NOTES:

1. SIGN LOCATED AT ALL HANDICAPPED PARKING SPACES.
2. 18' X 15' D.O.T STANDARD ACCESSIBLE PARKING STALL
3. SIGN BACKGROUND - BLUE REFLECTIVE
4. LETTERS, GRAPHICS & BORDER - WHITE REFLECTIVE

ACCESSIBLE PARKING STRIPING DETAILS
NO SCALE



WT.	A	B	C
3lbs or 3lbs	1-5/8"	1-3/4"	3-1/2"
	1-5/16"	1-7/8"	3-1/2"
4lbs	1-5/8"	1-3/4"	3-1/2"

NOTES:

1. STEEL FOR POSTS SHALL CONFORM TO THE MECHANICAL REQUIREMENTS OF ASTM A 499-81 GRADE 60 AND TO THE CHEMICAL REQUIREMENTS OF ASTM A1-76 CARBON STEEL TEE RAIL HAVING NOMINAL WEIGHT OF 91 LBS. OR GREATER PER LINEAR YARD.
2. AFTER FABRICATION, ALL STEEL POSTS SHALL BE GALVANIZED TO MEET THE REQUIREMENTS OF ASTM A 123.
3. ALL SIGN POSTS SHALL HAVE "BREAKAWAY" FEATURES THAT MEET AASHTO REQUIREMENTS CONTAINED IN "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS-1985." THE "BREAKAWAY" FEATURES SHALL BE STRUCTURALLY ADEQUATE TO CARRY THE SIGNS SHOWN IN THE PLANS AT 60 MPH WIND LOADINGS. INSTALLATIONS SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
4. TYPE A POSTS - 3 LB/FT TYPE B POSTS - 4 LB/FT.

TYPICAL METAL SIGN POSTS
NO SCALE

Tighe&Bond
1000 Bridgeport Avenue
Suite 320
Shelton, CT 06484
(203) 712-1100

STATE OF CONNECTION — JOHN W. LINDLEY — LICENSED PROFESSIONAL ENGINEER — 4/9/24

STATE OF CONNECTICUT — JOHN W. LINDLEY — LICENSED PROFESSIONAL ENGINEER — 4/9/24

TOWN SUBMISSION

64 Danbury Road

Fuller Development, LLC

Wilton, CT

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DRAWN BY:	MDS
DESIGNED/CHECKED BY:	EWL
APPROVED BY:	JWB

DETAILS - 1

SCALE: AS SHOWN

C-601

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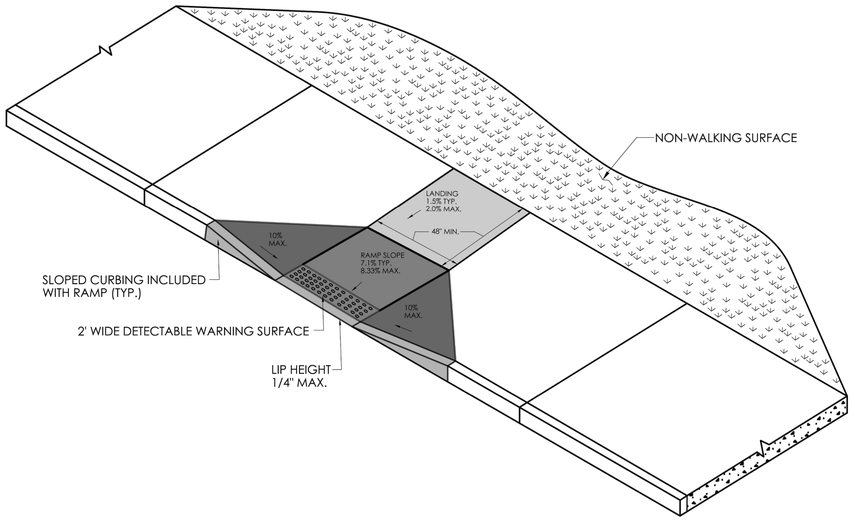
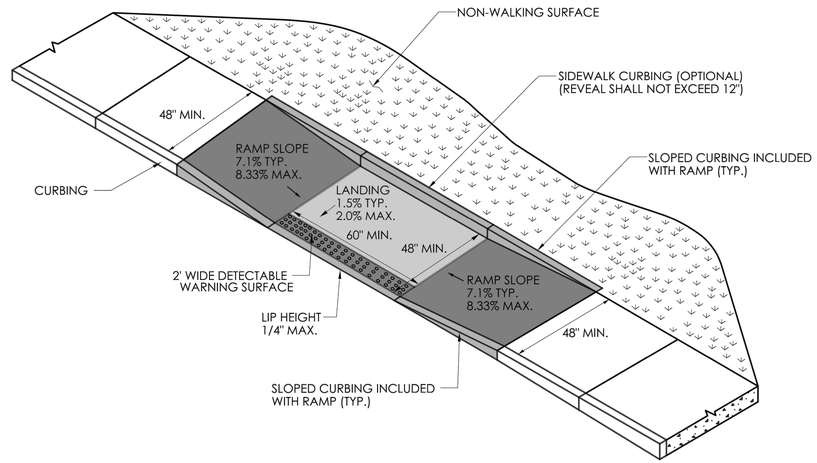


ACCESSIBLE SIDEWALK RAMP - "TYPE 8"
NO SCALE



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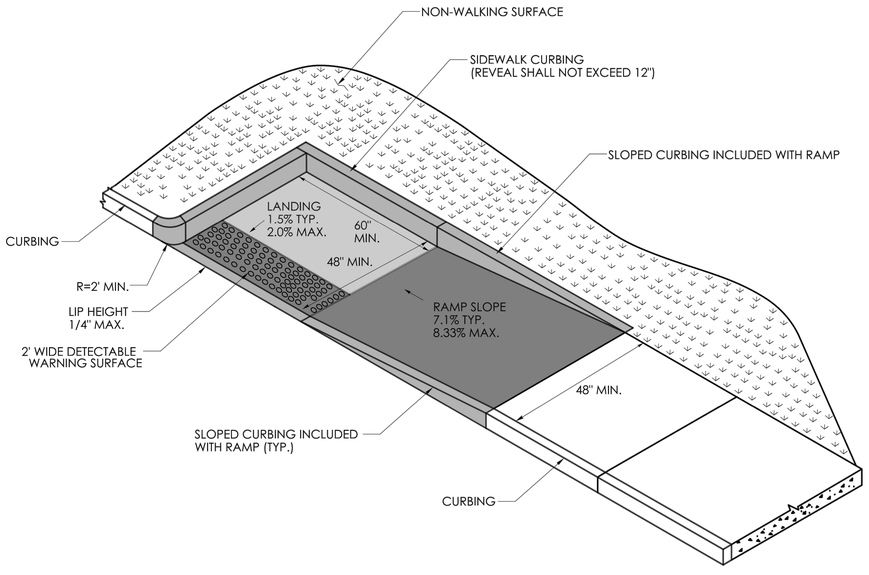

ACCESSIBLE SIDEWALK RAMP - "TYPE 10"
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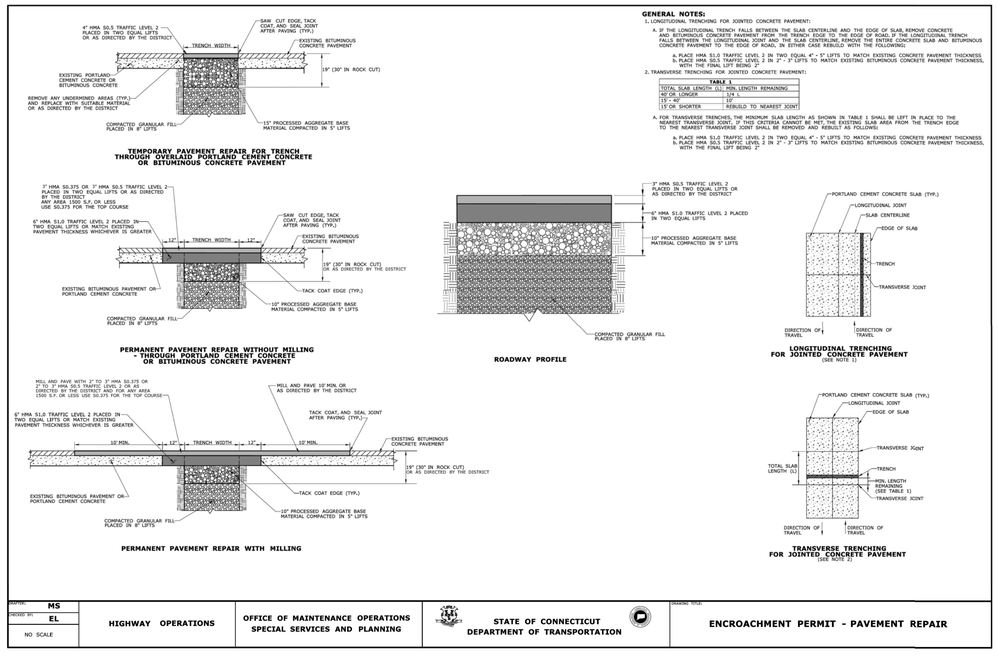


PAVEMENT REPAIR IN ROUTE 7
NO SCALE

Tighe&Bond
1000 Bridgeport Avenue
Suite 320
Shelton, CT 06484
(203) 712-1100

STATE OF CONNECTICUT
ERIK W. LINDQUIST
LICENSED
PROFESSIONAL ENGINEER
4/8/24

STATE OF CONNECTICUT
LICENSED
PROFESSIONAL ENGINEER
4/8/24

TOWN SUBMISSION

64 Danbury Road

Fuller Development, LLC

Wilton, CT

1	4/8/2024	RESPONSE TO TOWN COMMENTS
MARK	DATE	DESCRIPTION

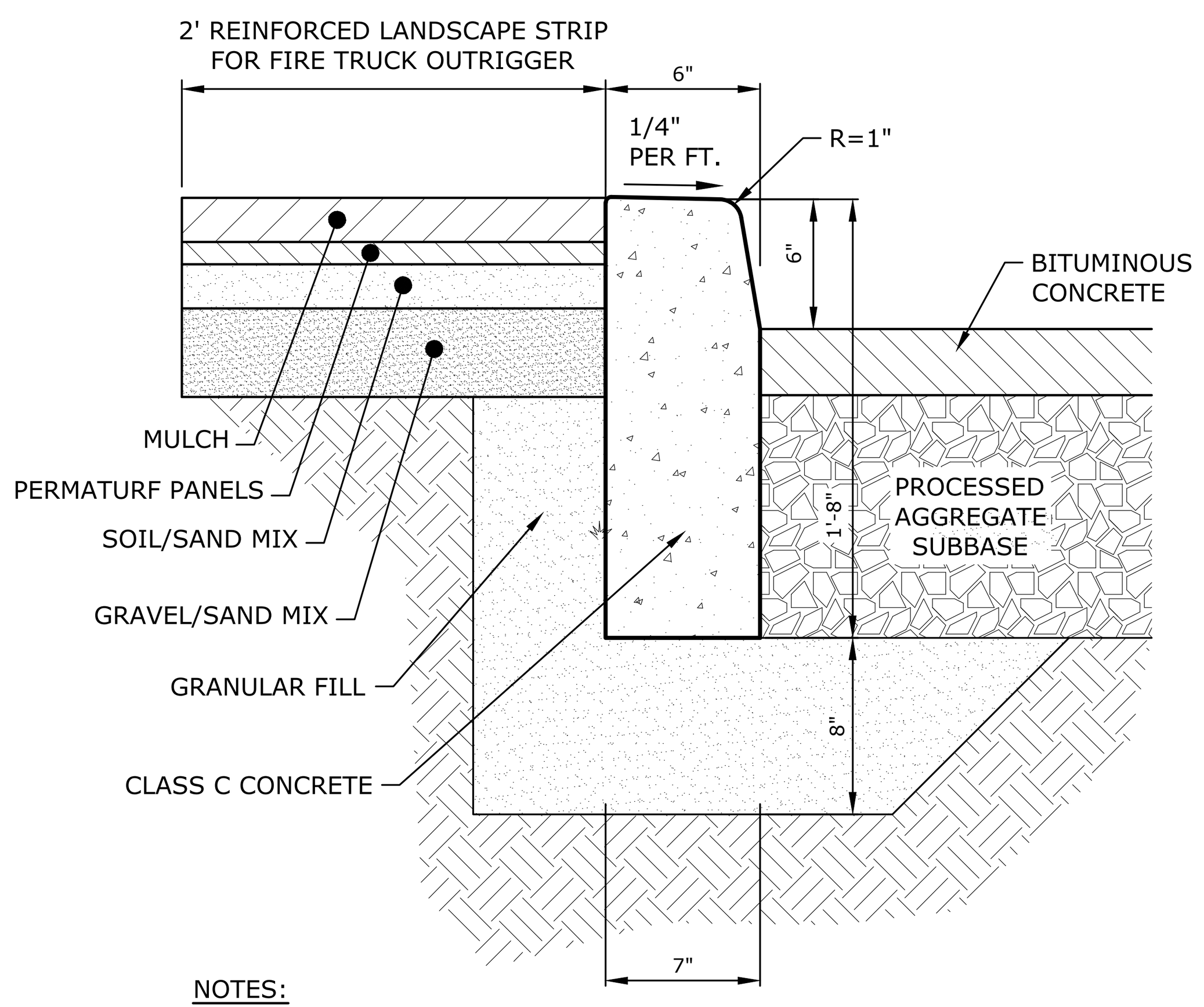
PROJECT NO:	F0173-001
DATE:	12/21/2023
FILE:	F0173-001-C-601-DETL.dwg
DRAWN BY:	MDS
DESIGNED/CHECKED BY:	EWL
APPROVED BY:	JWB

DETAILS - 2

SCALE: AS SHOWN

C-602

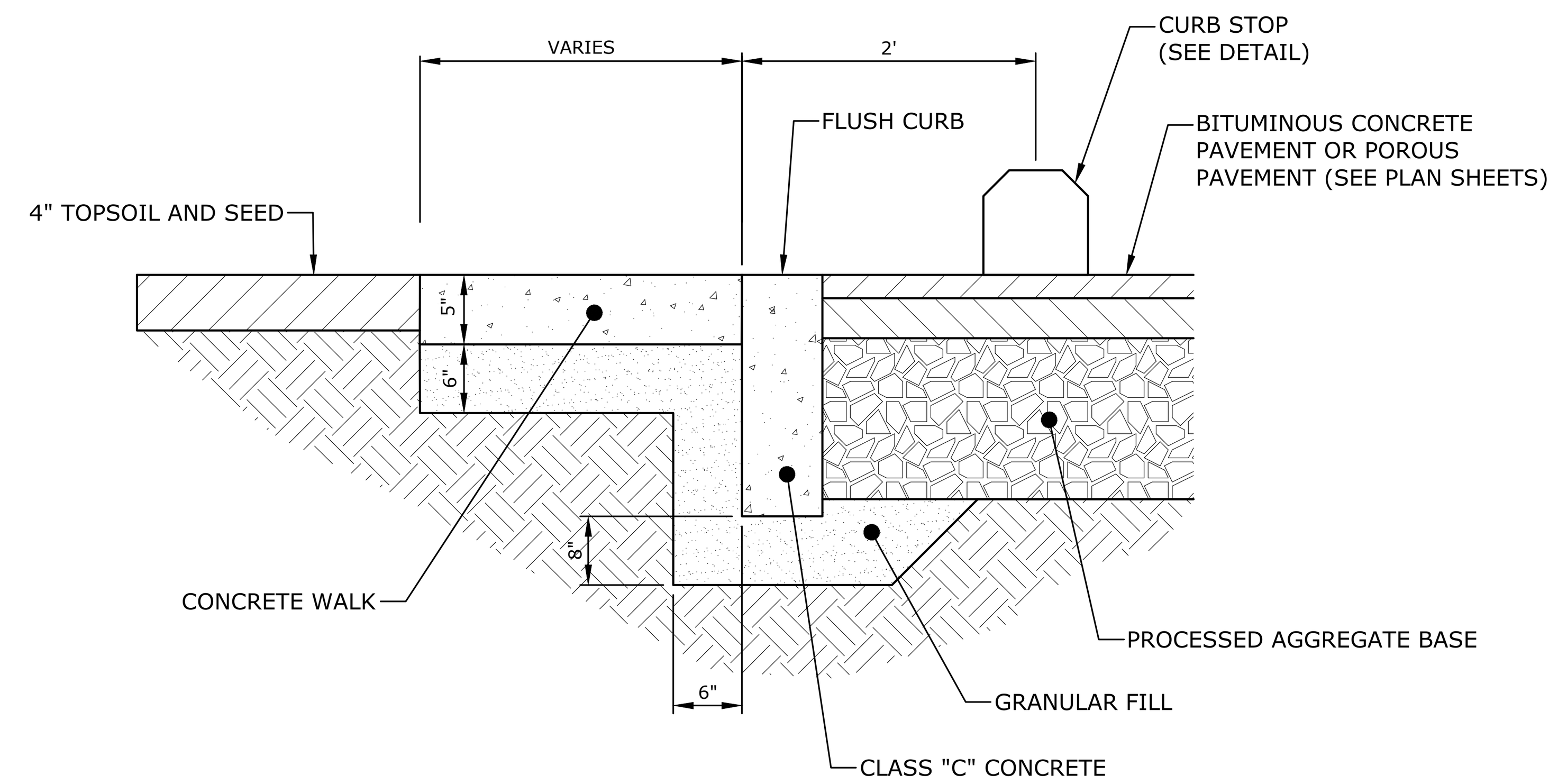
Last Saved: 4/5/2024
Plotted On:Apr 08, 2024-11:26am By: AClark
Tighe & Bond:J:\F\F0173 Fuller\001 64 Danbury Rd\Drawings, Figures\AutoCAD\Sheet\F0173-001-C-601-DETL.dwg



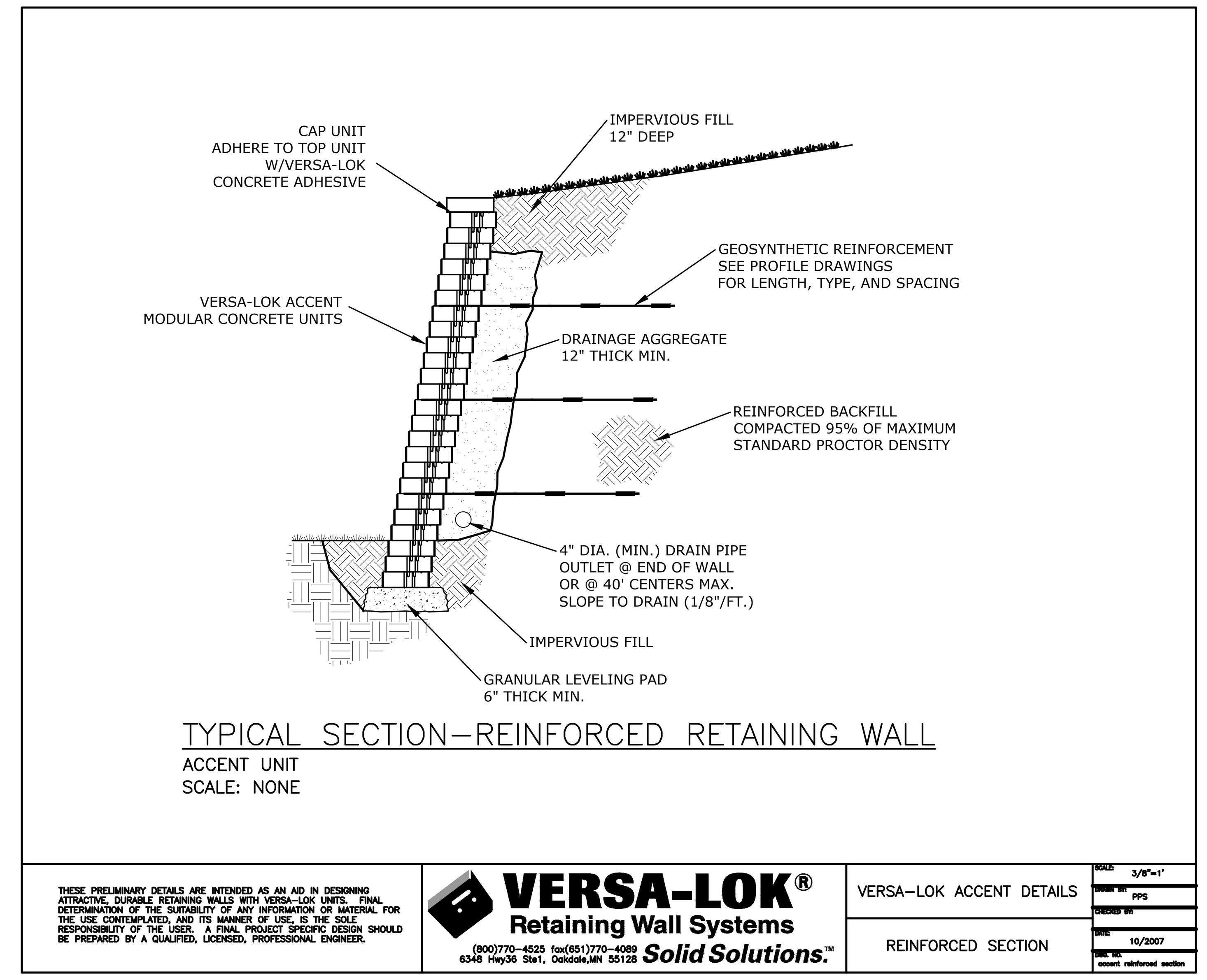
NOTES:

1. CONSTRUCT CURBING IN SECTIONS NOT TO EXCEED 10 FEET IN LENGTH, SUCH THAT THE CURBING JOINTS ALIGN WITH JOINTS IN THE CONCRETE PAVEMENT SLAB. NO SECTION SHALL BE LESS THAN 6 FEET IN LENGTH.

CONCRETE CURB ADJACENT TO REINFORCED LANDSCAPE STRIP
NO SCALE

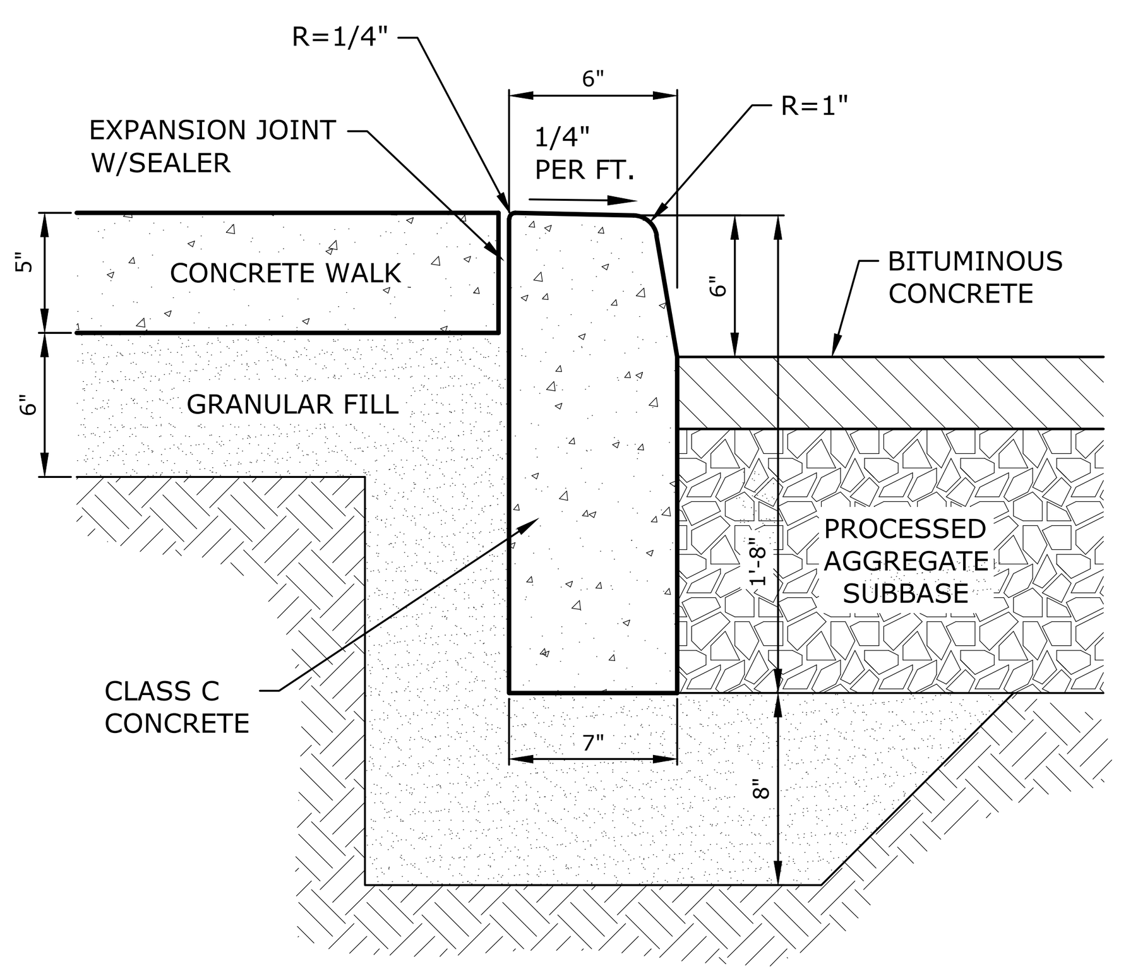


FLUSH CURB DETAIL
NO SCALE



OR APPROVED EQUAL

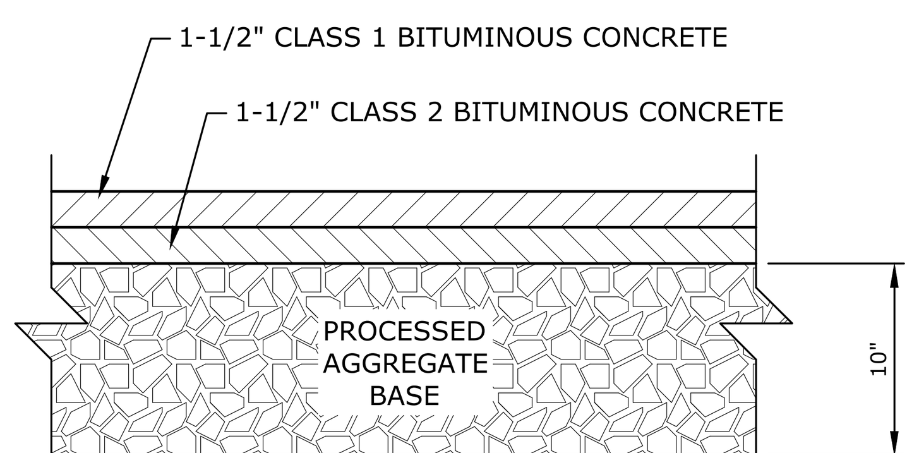
MODULAR BLOCK RETAINING WALL
NO SCALE



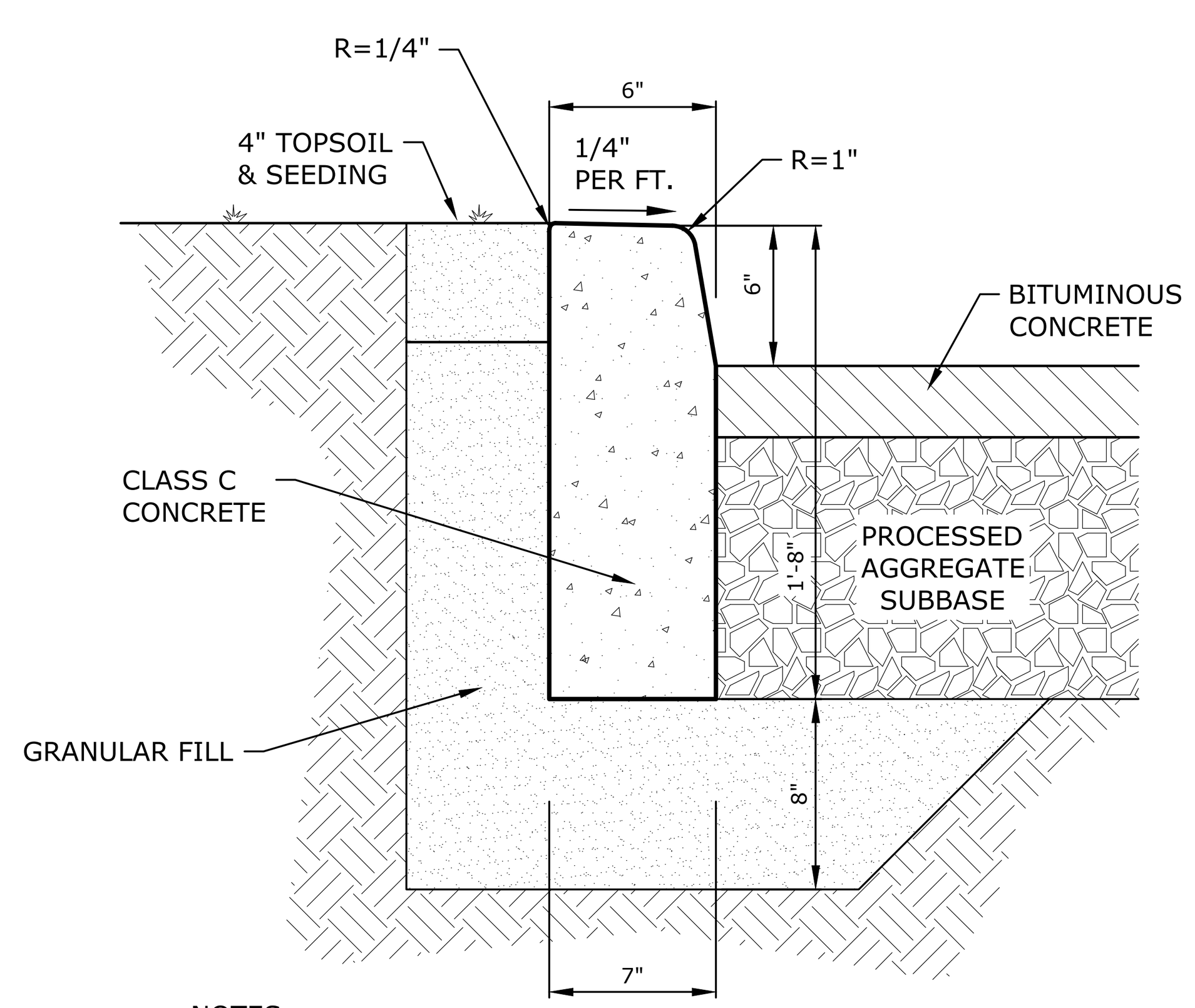
NOTE:

1. CONSTRUCT CURBING IN SECTIONS NOT TO EXCEED 10 FEET IN LENGTH, SUCH THAT THE CURBING JOINTS ALIGN WITH JOINTS IN THE CONCRETE PAVEMENT SLAB. NO SECTION SHALL BE LESS THAN 6 FEET IN LENGTH.

CONCRETE CURB AND CONCRETE SIDEWALK
NO SCALE



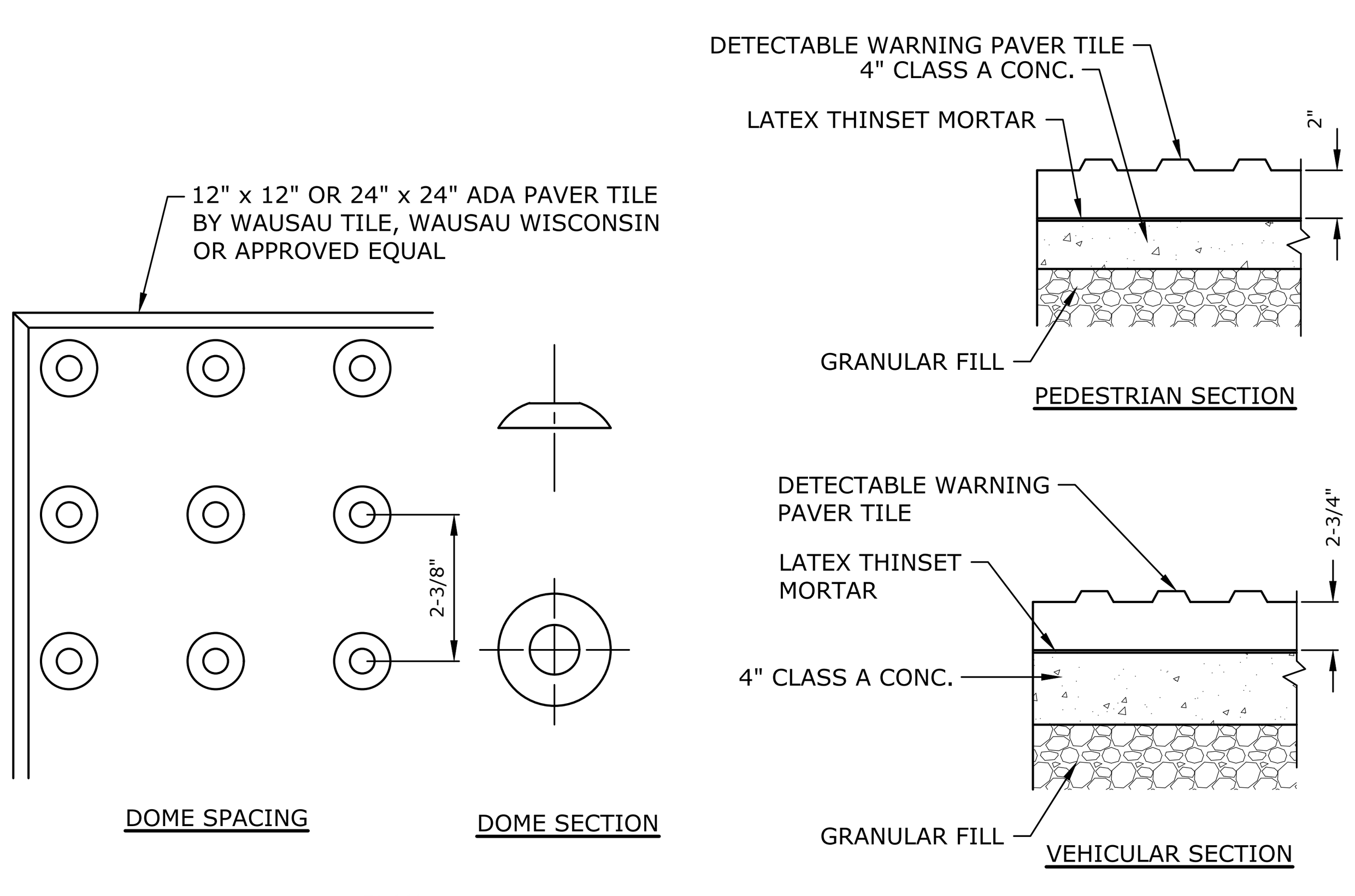
BITUMINOUS CONCRETE PAVEMENT
NO SCALE



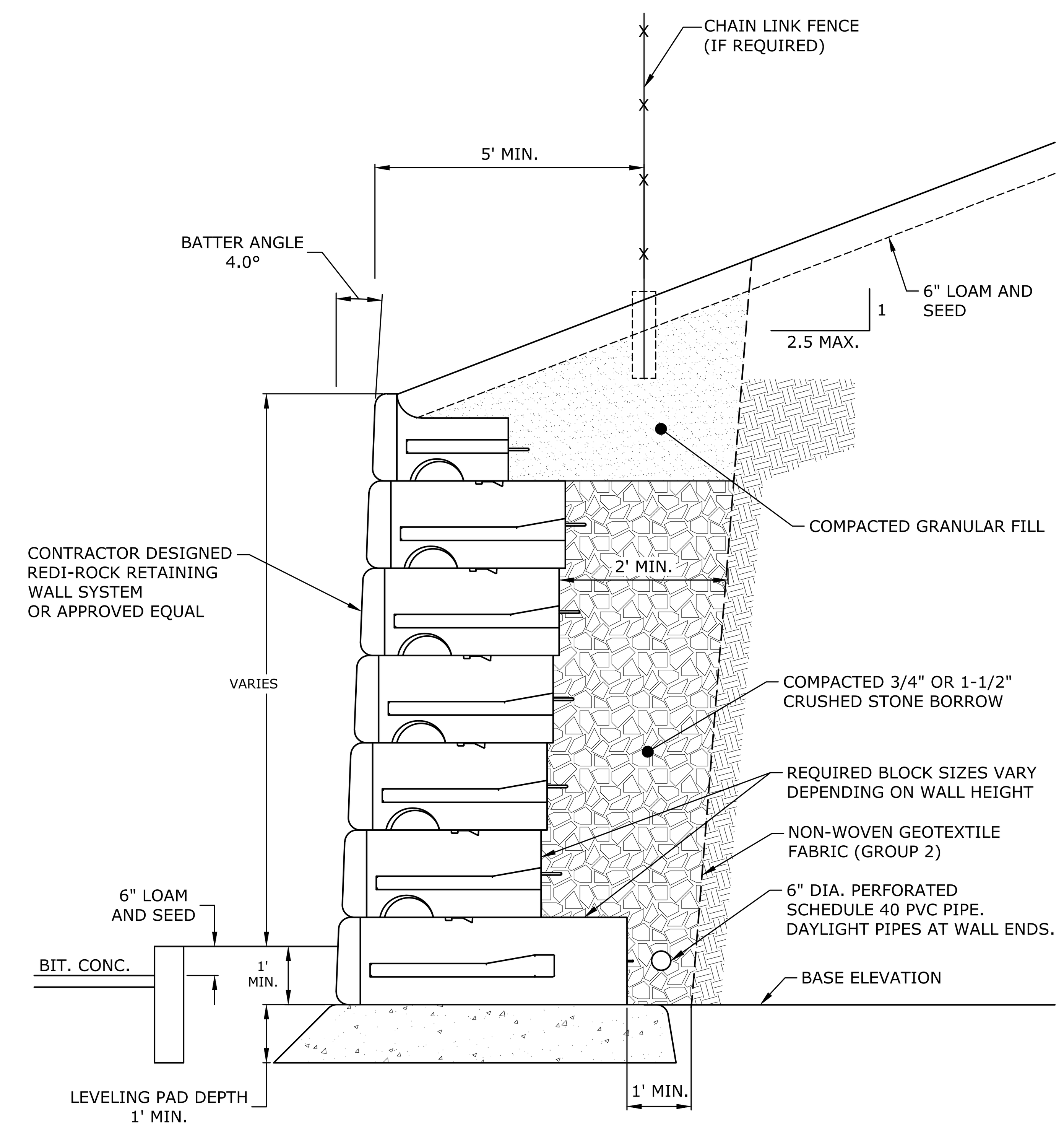
NOTES:

1. CONSTRUCT CURBING IN SECTIONS NOT TO EXCEED 10 FEET IN LENGTH, SUCH THAT THE CURBING JOINTS ALIGN WITH JOINTS IN THE CONCRETE PAVEMENT SLAB. NO SECTION SHALL BE LESS THAN 6 FEET IN LENGTH.

CONCRETE CURB ADJACENT TO GRASS
NO SCALE



DETECTABLE WARNING TILE
NO SCALE

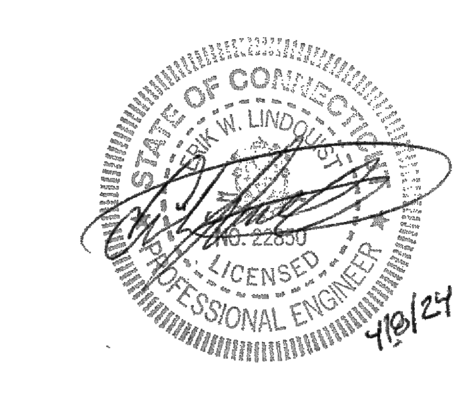


NOTE:

1. TEMPORARY EXCAVATIONS FOR WALL AND CRUSHED STONE PLACEMENT SHALL BE IN ACCORDANCE WITH OSHA STANDARDS. ADDITIONAL BACKFILL REQUIRED TO FILL EXCAVATIONS SHALL CONSIST OF COMPACTED GRANULAR FILL OR CRUSHED STONE EXCEPT AS NOTED.

GRAVITY RETAINING WALL DETAIL
NO SCALE

Tighe&Bond
1000 Bridgeport Avenue
Suite 320
Shelton, CT 06484
(203) 712-1100



TOWN SUBMISSION

64 Danbury Road

Fuller Development, LLC

Wilton, CT

MARK	DATE	DESCRIPTION
1	4/8/2024	RESPONSE TO TOWN COMMENTS

PROJECT NO:	F0173-001
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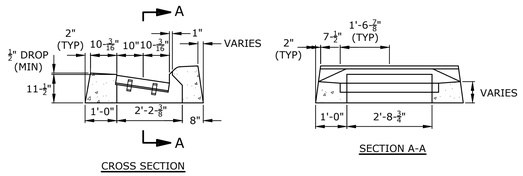
DRAWN BY:	MDS
DESIGNED/CHECKED BY:	EWL
APPROVED BY:	JWB

DETAILS - 3

SCALE: AS SHOWN

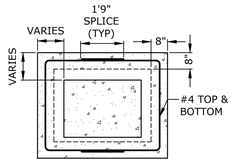
C-603

Last Saved: 4/5/2024
Plotted On:Apr 08, 2024-11:27am By: AClark
Tighe & Bond:J:\F\F0173 Fuller\001 64 Danbury Rd\Drawings_Figures\AutoCAD\Sheet\F0173-001-C-601-DETL.dwg

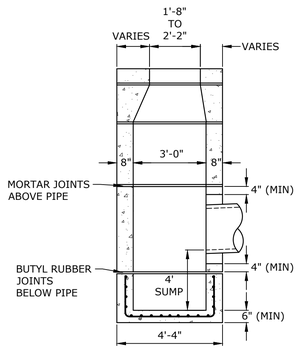


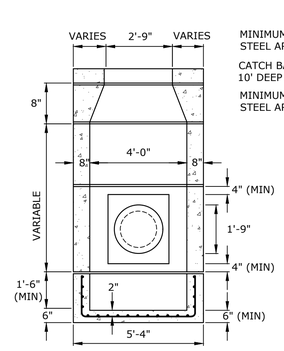
CROSS SECTION

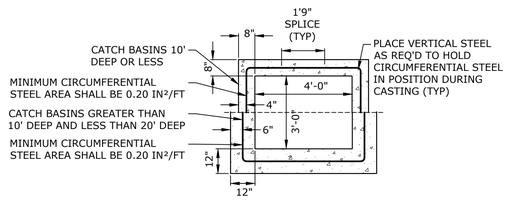
SECTION A-A



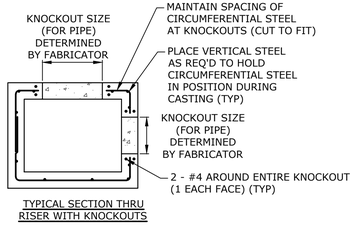
REDUCER SECTION (TYP)







RISER SECTION (TYP)

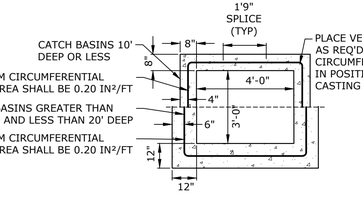


TYPICAL SECTION THRU RISER WITH KNOCKOUTS

CONNECTICUT DEPARTMENT OF TRANSPORTATION

TYPE "C" CATCH BASIN

NO SCALE



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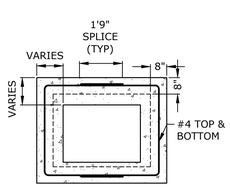
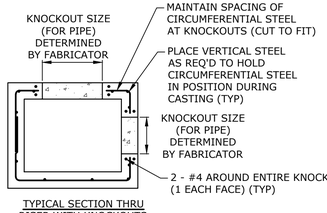
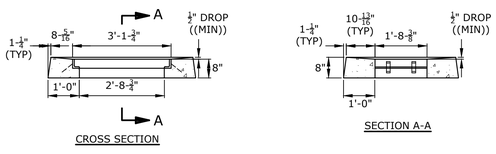


REDUCER SECTION (TYP)

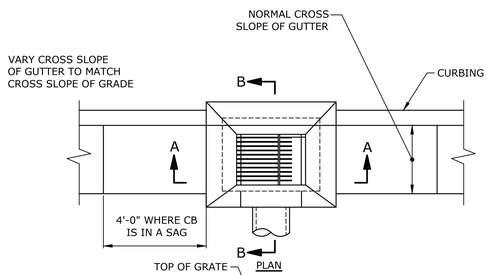


TYPICAL SECTION THRU RISER WITH KNOCKOUTS

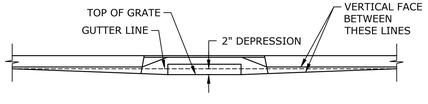


CROSS SECTION

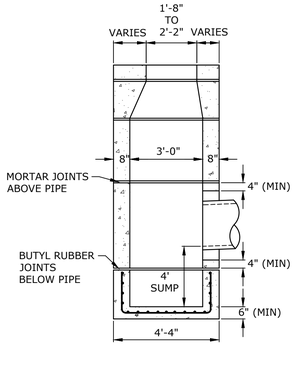
SECTION A-A

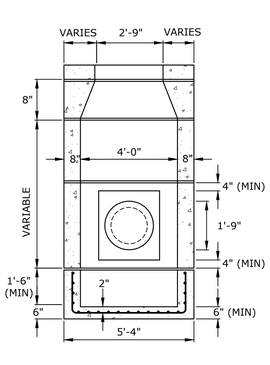


FOR CATCH BASINS IN A LINE OF 6" CONCRETE CURBING OR 6" STONE CURBING



FOR CATCH BASINS IN A LINE OF 6" BITUMINOUS CONCRETE LIP CURBING (MACHINE FORMED)





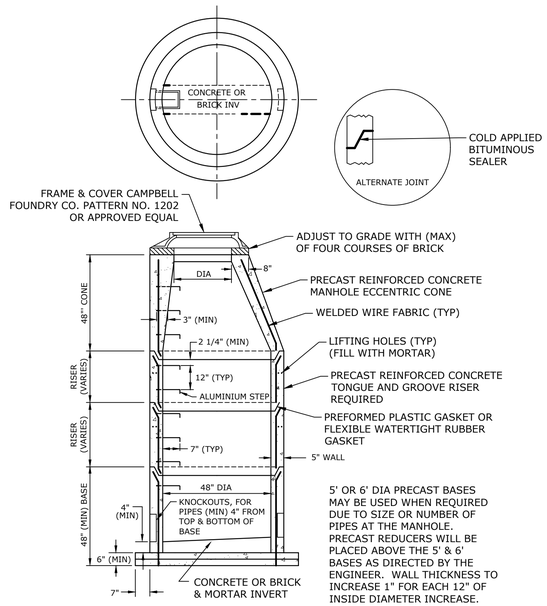
CONNECTICUT DEPARTMENT OF TRANSPORTATION

TYPE "C-L" CATCH BASIN

NO SCALE

NOTES:

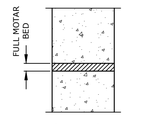
1. REINFORCEMENT SHALL CONFORM TO ASTM A615, GRADE 60.
2. DETAILS ON THIS SHEET SHOW STANDARD REINFORCEMENT. WELDED WIRE FABRIC WITH AN AREA EQUAL TO OR GREATER THAN THE REINFORCING SHOWN MAY BE SUBSTITUTED.
3. ALL LAP SPLICES, DEVELOPMENT LENGTHS, BENDS FOR REINFORCEMENT, AND WELDED WIRE FABRIC SHALL CONFORM TO AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES.
4. ALL REINFORCEMENT SHALL HAVE A MINIMUM CLEAR COVER OF 2", EXCEPT FOR BENEATH BOTTOM REINFORCEMENT IN TOP SLABS, WHERE THE MINIMUM MAY BE 1½"
5. MINIMUM CONCRETE COMPRESSIVE STRENGTH FC'=4,000PSI SHALL BE OBTAINED BEFORE SHIPPING.
6. BASES AND RISERS AT A DEPTH OF 20' AND GREATER SHALL BE DESIGNED BY THE CONTRACTOR AND WORKING DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW.
7. SEE STANDARD DRAWING 507-K FOR CATCH BASIN FRAMES AND GRATES.
8. FOR DOT MAINTENANCE PERSONNEL, RISERS MAY BE PREFABRICATED WITH PIPE OPENINGS IN ALL FOUR WALLS. ADEQUATE REINFORCING AROUND PIPE OPENINGS TO CONFORMING TO THESE PLANS SHALL BE PROVIDED. ANY RISERS USED WHERE A PIPE OPENING IS TO REMAIN IN PLACE MUST BE FORMED UP WITH BRICK AS DIRECTED BY THE ENGINEER.
9. RISERS SHALL NEVER HAVE CORNER PIPE ENTRIES. WHERE THE ALIGNMENT OF THE PIPE WITH RESPECT TO THE CORNER OF THE CATCH BASIN CANNOT BE CHANGED, A ROUND STRUCTURE CONFORMING TO ASTM C478 SHALL BE USED. REINFORCING FOR THE ROUND TOP SLAB WITH A RECTANGULAR OPENING SHALL CONFORM TO DETAILS SHOWN HERE.
10. ALL PIPE OPENINGS SHALL BE CLOSED USING MATERIALS WHICH CONFORM TO STATE OF CONNECTICUT STANDARD SPECIFICATIONS SECTION M.08.02. IF THE ENGINEER DETERMINES THAT THE CLOSURE OF ANY PIPE OPENING IS UNSATISFACTORY, THE CONTRACTOR SHALL RECLOSE SAID OPENING AT NO ADDITIONAL COST TO THE STATE. KNOCKOUTS FOR PIPE OPENINGS SHALL NOT RESULT IN A REDUCED WALL THICKNESS.
11. THE LATEST STATE OF CONNECTICUT STANDARD SPECIFICATIONS AND SUPPLEMENTALS SHALL GOVERN.
12. FOR ADDITIONAL DETAILS, SEE OTHER CATCH BASIN SHEETS.
13. WALL THICKNESS OF ALL CB'S OVER 10' DEEP SHALL BE INCREASED TO 12" THICK. INSIDE DIMENSION SHALL REMAIN THE SAME. (THE 12" THICKNESS SHALL START AFTER THE FIRST 10")
14. BUTYL RUBBER JOINT SEAL SHALL CONFORM TO AASHTO M-198 AND MORTAR SHALL CONFORM TO THE LATEST STATE OF CONNECTICUT STANDARD SPECIFICATIONS MATERIAL SECTION M11.04.
15. SHRINKAGE AND TEMPERATURE REINFORCEMENT SHALL BE PROVIDED IN THE TOPS OF SLABS. THE TOTAL AREA OF REINFORCEMENT PROVIDED SHALL BE AT LEAST 0.125 IN²/FT IN EACH DIRECTION. THE MAXIMUM SPACING OF THIS REINFORCEMENT SHALL NOT EXCEED 18 INCHES.
16. THE DETAILS SHOWN IN THE PLAN VIEW FOR THE PRECAST CONCRETE ROUND STRUCTURES SHALL ALSO BE USED FOR CONVERTING MANHOLES TO CATCH BASINS.



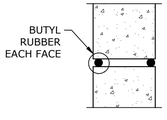
5' OR 6' DIA PRECAST BASES MAY BE USED WHEN REQUIRED DUE TO SIZE OR NUMBER OF PIPES AT THE MANHOLE. PRECAST REDUCERS WILL BE PLACED ABOVE THE 5' & 6' BASES AS DIRECTED BY THE ENGINEER. WALL THICKNESS TO INCREASE 1" FOR EACH 12" OF INSIDE DIAMETER INCREASE.

48" PRECAST MANHOLE

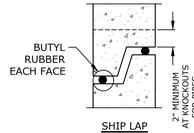
NO SCALE



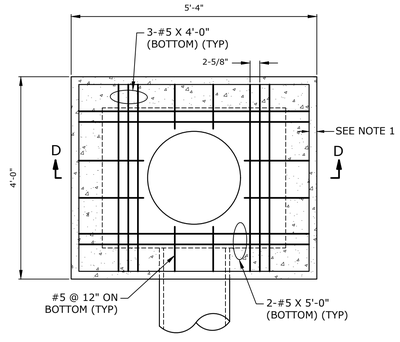
MORTAR JOINT DETAIL



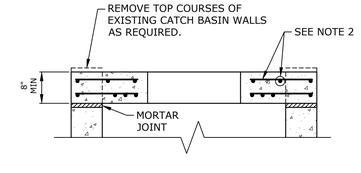
BUTYL RUBBER JOINT DETAIL



SHIP LAP JOINT DETAIL (FOR USE WITH ROUND STRUCTURES ONLY)



PLAN



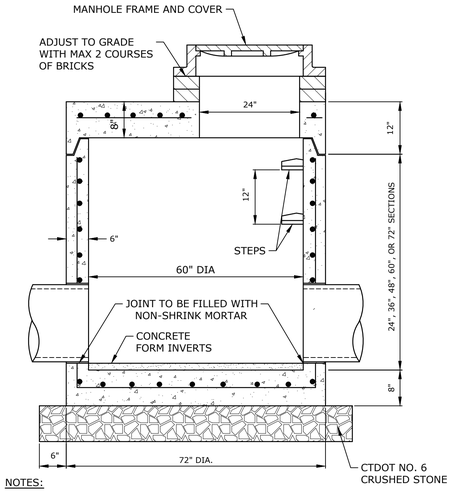
SECTION D

NOTES:

1. ALL REINFORCEMENT SHALL HAVE A MINIMUM CLEAR COVER OF 2", EXCEPT FOR BENEATH BOTTOM REINFORCEMENT IN TOP SLABS, WHERE THE MINIMUM MAY BE 1-1/2".
2. SHRINKAGE AND TEMPERATURE REINFORCEMENT SHALL BE PROVIDED IN THE TOPS OF SLABS. THE TOTAL AREA OF REINFORCEMENT PROVIDED SHALL BE AT LEAST 0.125 SQUARE INCHES PER FOOT IN EACH DIRECTION. THE MAXIMUM SPACING OF THIS REINFORCEMENT SHALL NOT EXCEED 18 INCHES.

TOP SLAB TO CONVERT CATCH BASIN TO MANHOLE

NO SCALE



NOTES:

1. JOINT SEALANT SHALL BE PREFORMED BUTYL RUBBER MASTIC TYPE SEAL COMPLYING WITH AASHTO M198.
2. REINFORCING ASTM A185, 0.17 IN²/VERT. FT.
3. 5,000 PSI CONCRETE @ 28 DAYS.
4. MANHOLE STEP TO BE USED MEETS OSHA REGULATION 20 CFR 1910.27 AND SECTION 11 ASTM SPECIFICATION C-473.
5. METHOD OF MANUFACTURE: WET CAST.
6. BASE SECTION MONOLITHIC.
7. KNOCKOUTS FOR PIPES 4" MIN. FROM TOP AND BOTTOM OF SECTION.

60" DIA. FLAT TOP MANHOLE

NO SCALE

Tighe&Bond
1000 Bridgeport Avenue
Suite 320
Shelton, CT 06484
(203) 712-1100

STATE OF CONNECTICUT — JOHN W. LINDSAY — LICENSED PROFESSIONAL ENGINEER — 4/9/24

STATE OF CONNECTICUT — DEPT. OF CONSUMER PROTECTION — LICENSED — 4/9/24

TOWN SUBMISSION

64 Danbury Road

Fuller Development, LLC

Wilton, CT

MARK	DATE	DESCRIPTION
1	4/8/2024	RESPONSE TO TOWN COMMENTS

PROJECT NO:	F0173-001
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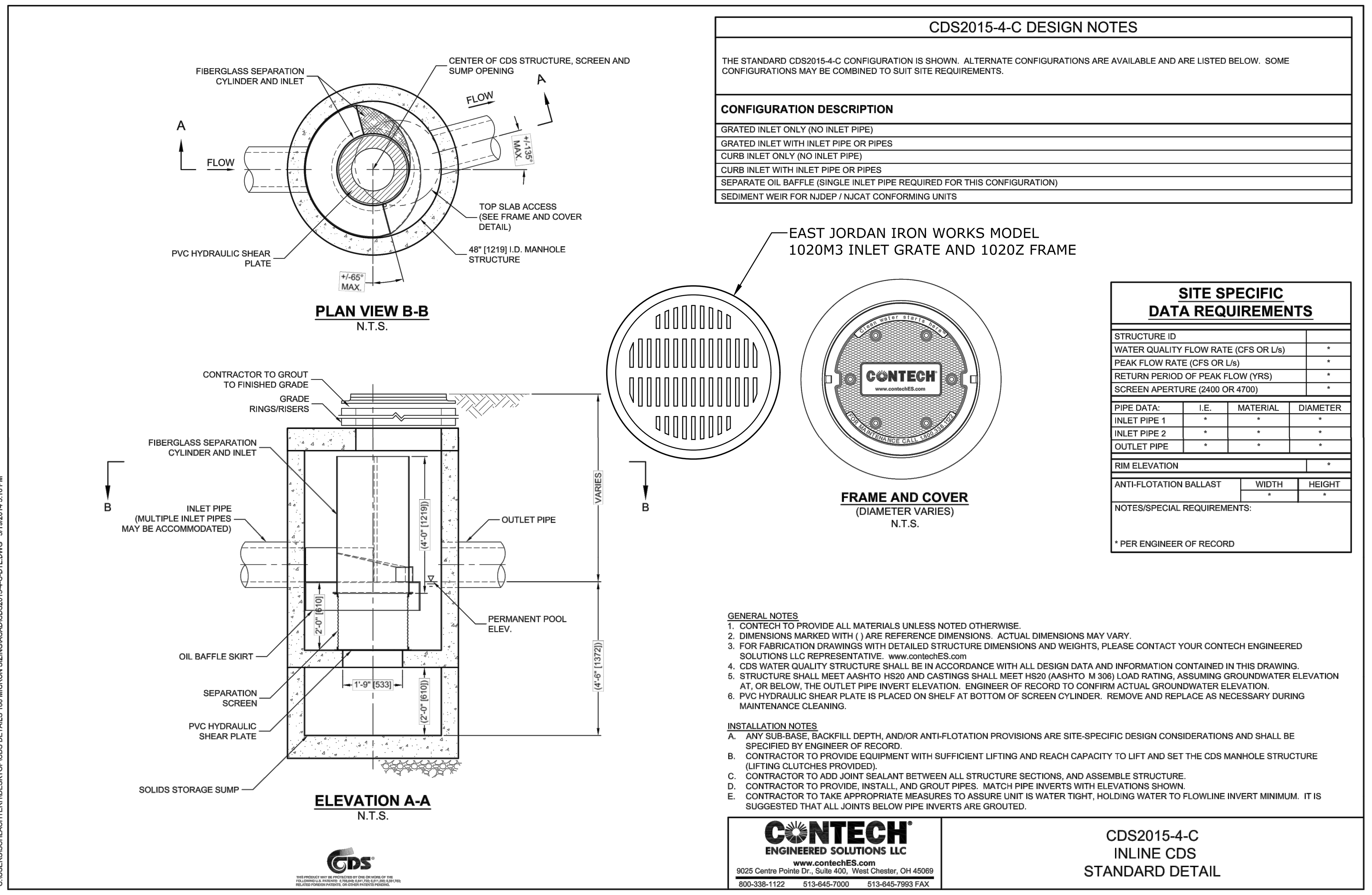
DRAWN BY:	MDS
DESIGNED/CHECKED BY:	EWL
APPROVED BY:	JWB

DETAILS - 4

SCALE: AS SHOWN

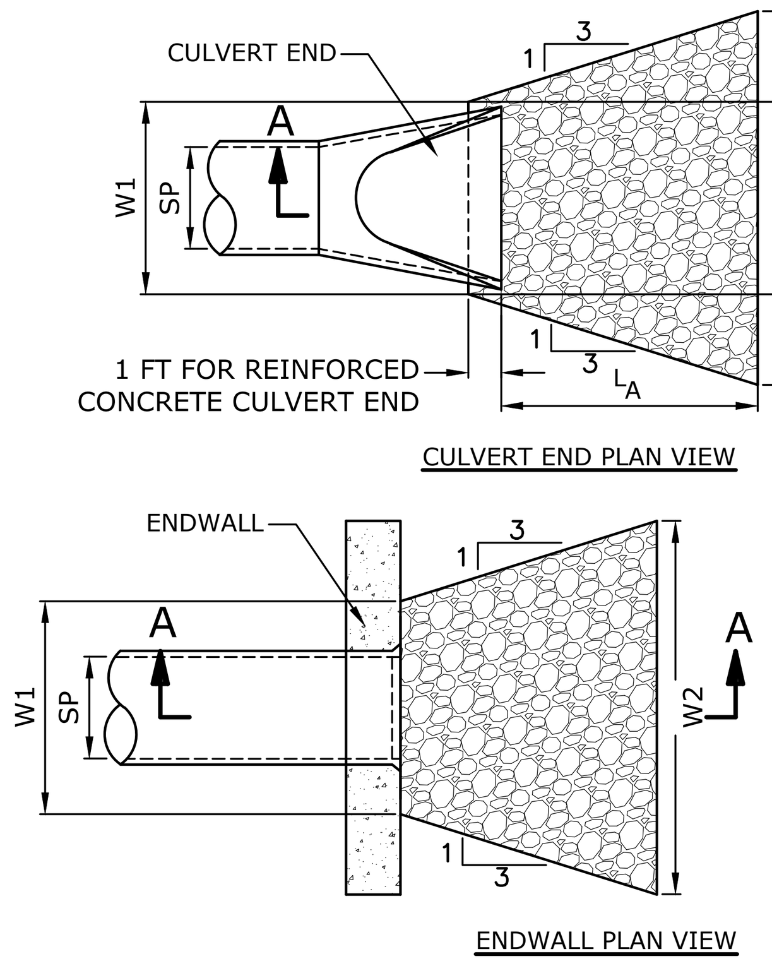
C-604

Last Saved: 4/5/2024
Plotted On:Apr 08, 2024-11:27am By: AClark
Tighe & Bond:J:\F\F0173 Fuller\001 64 Danbury Rd\Drawings - Figures\AutoCAD\Sheet\F0173-001-C-601-DETL.dwg



CDS2015-4-C DESIGN NOTES
THE STANDARD CDS2015-4-C CONFIGURATION IS SHOWN. ALTERNATE CONFIGURATIONS ARE AVAILABLE AND ARE LISTED BELOW. SOME CONFIGURATIONS MAY BE COMBINED TO SUIT SITE REQUIREMENTS.
CONFIGURATION DESCRIPTION
GRATED INLET ONLY (NO INLET PIPE)
GRATED INLET WITH INLET PIPE OR PIPES
CURB INLET ONLY (NO INLET PIPE)
CURB INLET WITH INLET PIPE OR PIPES
SEPARATE OIL BAFFLE (SINGLE INLET PIPE REQUIRED FOR THIS CONFIGURATION)
SEDIMENT WEIR FOR NJDEP / NJCAT CONFORMING UNITS
FIBERGLASS SEPARATION CYLINDER AND INLET
CENTER OF CDS STRUCTURE, SCREEN AND SUMP OPENING
FLOW
TOP SLAB ACCESS (SEE FRAME AND COVER DETAIL)
PVC HYDRAULIC SHEAR PLATE
48" [1219] I.D. MANHOLE STRUCTURE
PLAN VIEW B-B
N.T.S.
EAST JORDAN IRON WORKS MODEL 1020M3 INLET GRATE AND 1020Z FRAME
CONTECH
FRAME AND COVER
(DIAMETER VARIES)
N.T.S.
SITE SPECIFIC DATA REQUIREMENTS
STRUCTURE ID
WATER QUALITY FLOW RATE (CFS OR L/s)
PEAK FLOW RATE (CFS OR L/s)
RETURN PERIOD OF PEAK FLOW (YRS)
SCREEN APERTURE (2400 OR 4700)
PIPE DATA: I.E. MATERIAL DIAMETER
INLET PIPE 1
INLET PIPE 2
OUTLET PIPE
RIM ELEVATION
ANTI-FLOTATION BALLAST WIDTH HEIGHT
NOTES/SPECIAL REQUIREMENTS:
* PER ENGINEER OF RECORD
CONTRACTOR TO GROUT TO FINISHED GRADE
GRADE RINGS/RISERS
FIBERGLASS SEPARATION CYLINDER AND INLET
INLET PIPE (MULTIPLE INLET PIPES MAY BE ACCOMMODATED)
OUTLET PIPE
VARIES
PERMANENT POOL ELEV.
OIL BAFFLE SKIRT
SEPARATION SCREEN
PVC HYDRAULIC SHEAR PLATE
SOLIDS STORAGE SUMP
ELEVATION A-A
N.T.S.
GENERAL NOTES
INSTALLATION NOTES
CONTECH ENGINEERED SOLUTIONS LLC
CDS2015-4-C
INLINE CDS
STANDARD DETAIL

WATER QUALTIY STRUCTURE
NO SCALE

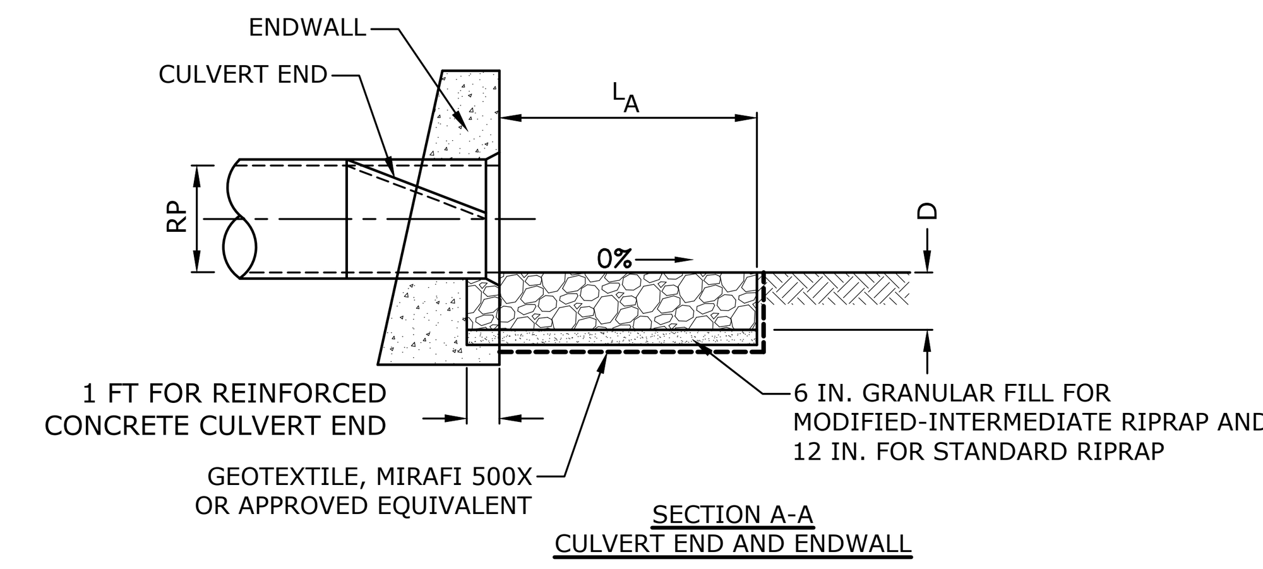


SP= { MAX. INSIDE PIPE SPAN (NON-CIRCULAR SECTIONS)
INSIDE PIPE DIAMETER (CIRCULAR SECTIONS)

RP= { MAX. INSIDE PIPE RISE (NON-CIRCULAR SECTIONS)
INSIDE PIPE DIAMETER (CIRCULAR SECTIONS)

L_A= LENGTH OF RIPRAP APRON MEASURED FROM THE END OF CULVERT END SECTION OR FACE OF ENDWALL

D= { 12 IN. MODIFIED RIPRAP
18 IN. INTERMEDIATE RIPRAP
36 IN. STANDARD RIPRAP

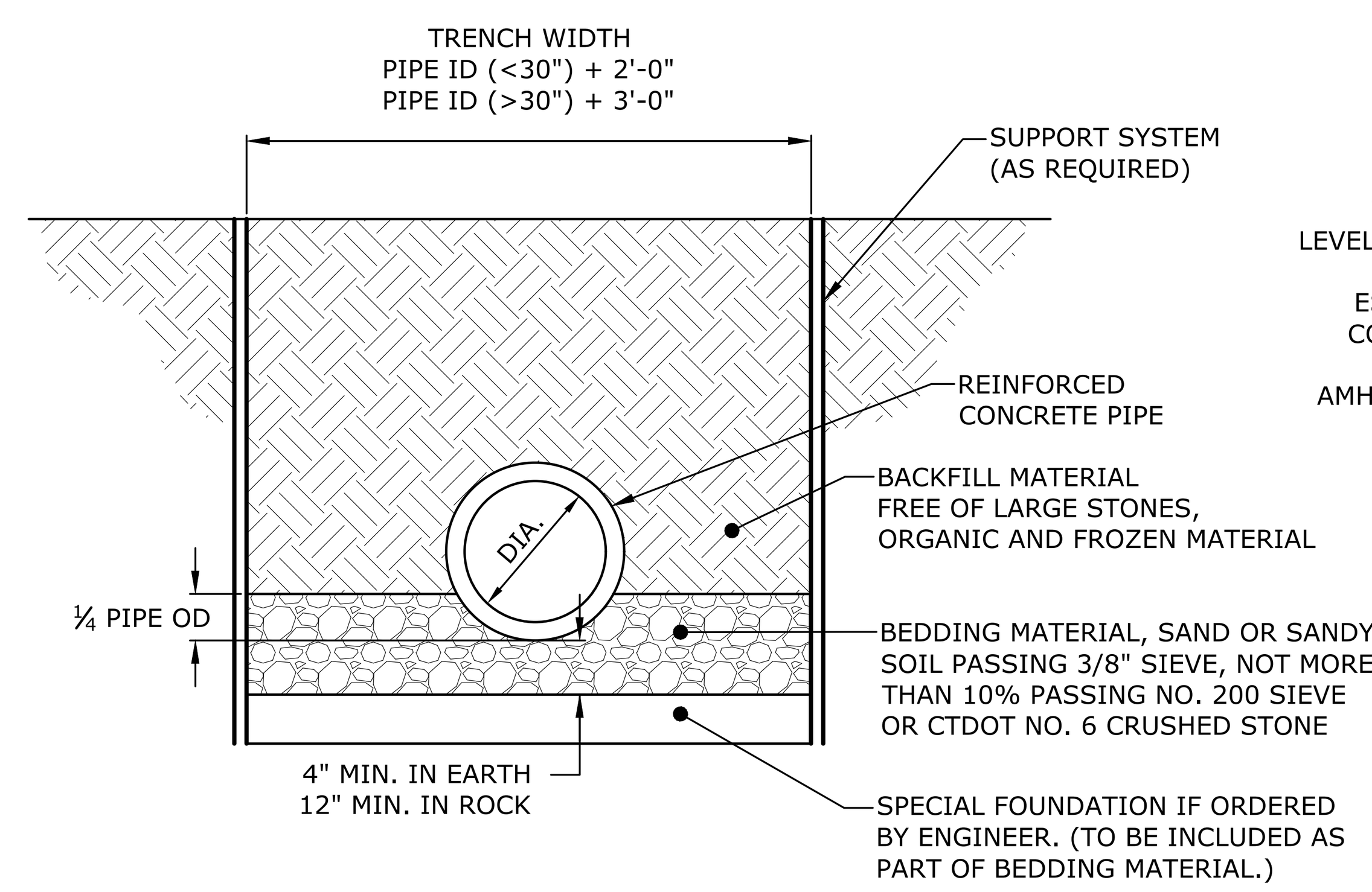


NOTE:

1. RIPRAP SIZE AND GRADATION TO MEET CTDOT FORM 818 SECTION M.12.02.

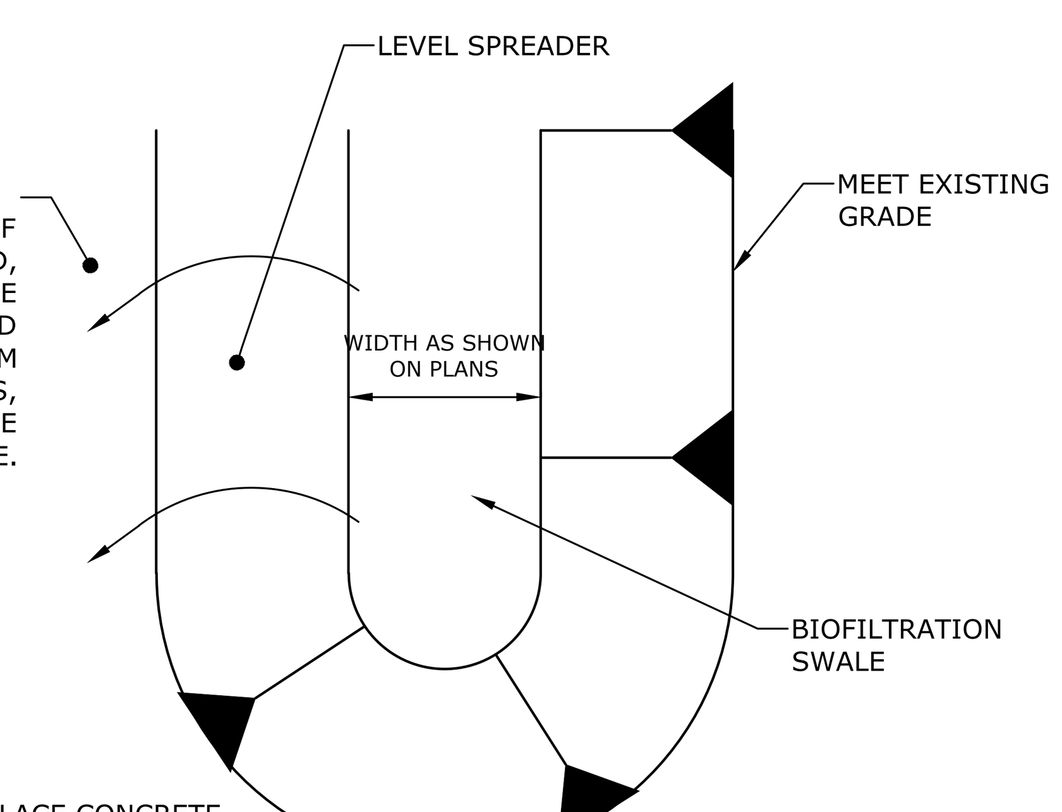
APRON LENGTH (LA)	APRON WIDTH (W1)	APRON WIDTH (W2)	SP
(FEET)	(FEET)	(FEET)	(FEET)
2.08	3.0	4.46	1.0

TYPE "A" RIPRAP APRON
NO TO SCALE

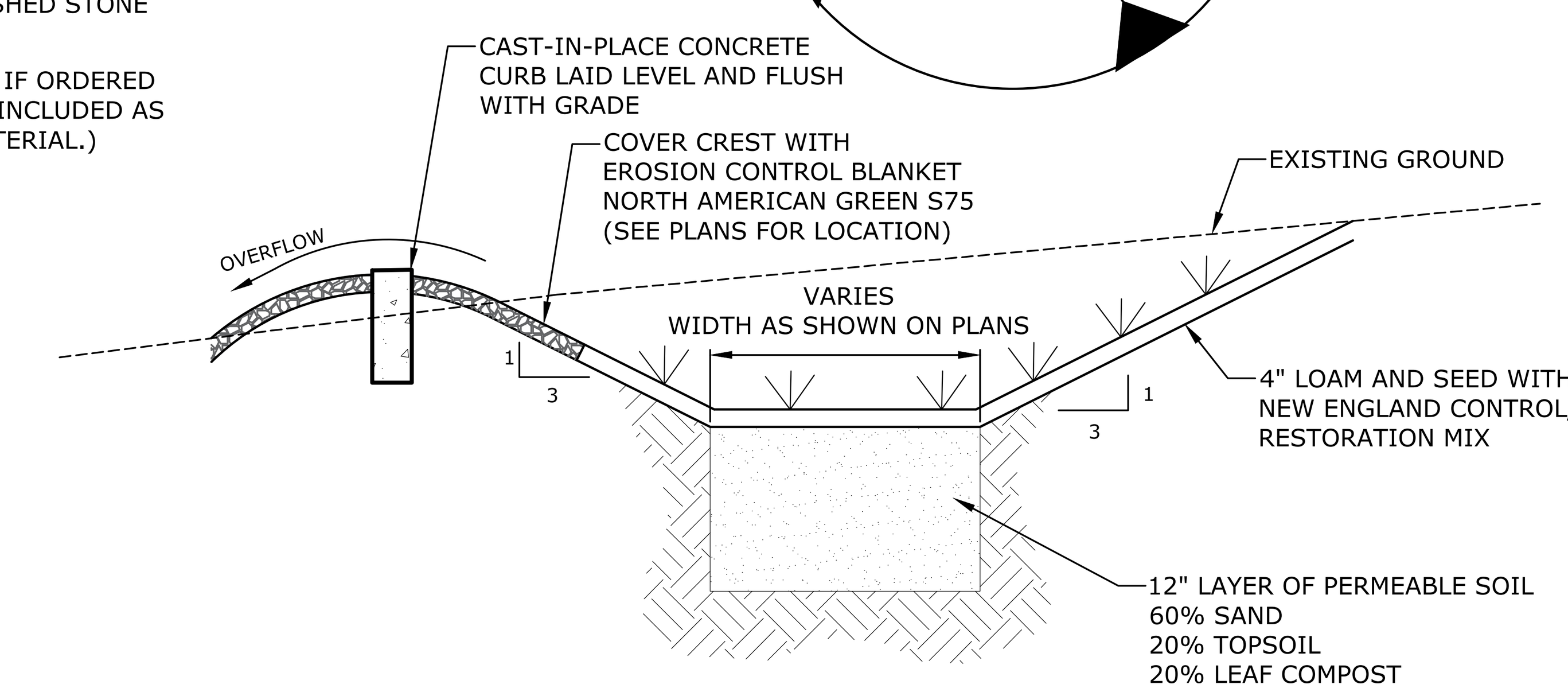


TRENCH WIDTH
PIPE ID (<30") + 2'-0"
PIPE ID (>30") + 3'-0"
SUPPORT SYSTEM (AS REQUIRED)
REINFORCED CONCRETE PIPE
DIA.
BACKFILL MATERIAL FREE OF LARGE STONES, ORGANIC AND FROZEN MATERIAL
¼ PIPE OD
BEDDING MATERIAL, SAND OR SANDY SOIL PASSING 3/8" SIEVE, NOT MORE THAN 10% PASSING NO. 200 SIEVE OR CTDOT NO. 6 CRUSHED STONE
4" MIN. IN EARTH
12" MIN. IN ROCK
SPECIAL FOUNDATION IF ORDERED BY ENGINEER. (TO BE INCLUDED AS PART OF BEDDING MATERIAL.)

CIRCULAR R.C.P. TRENCH BEDDING
NO SCALE

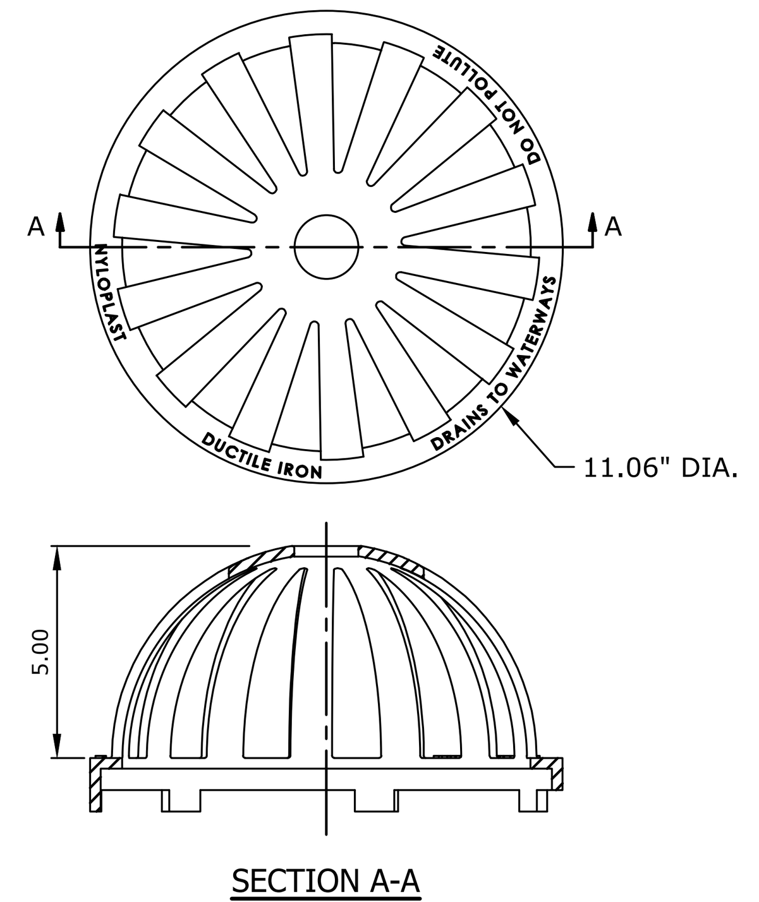


NOTE:
WHERE GROUND DOWNSTREAM OF LEVEL SPREADER HAS BEEN DISTURBED, VEGETATIVE COVER SHALL BE ESTABLISHED USING NEW ENGLAND CONSERVATION/WILDLIFE MIX FROM NEW ENGLAND WETLAND PLANTS, AMHERST, MA. APPLICATION SHALL BE AT A RATE OF 25 LBS/ACRE.

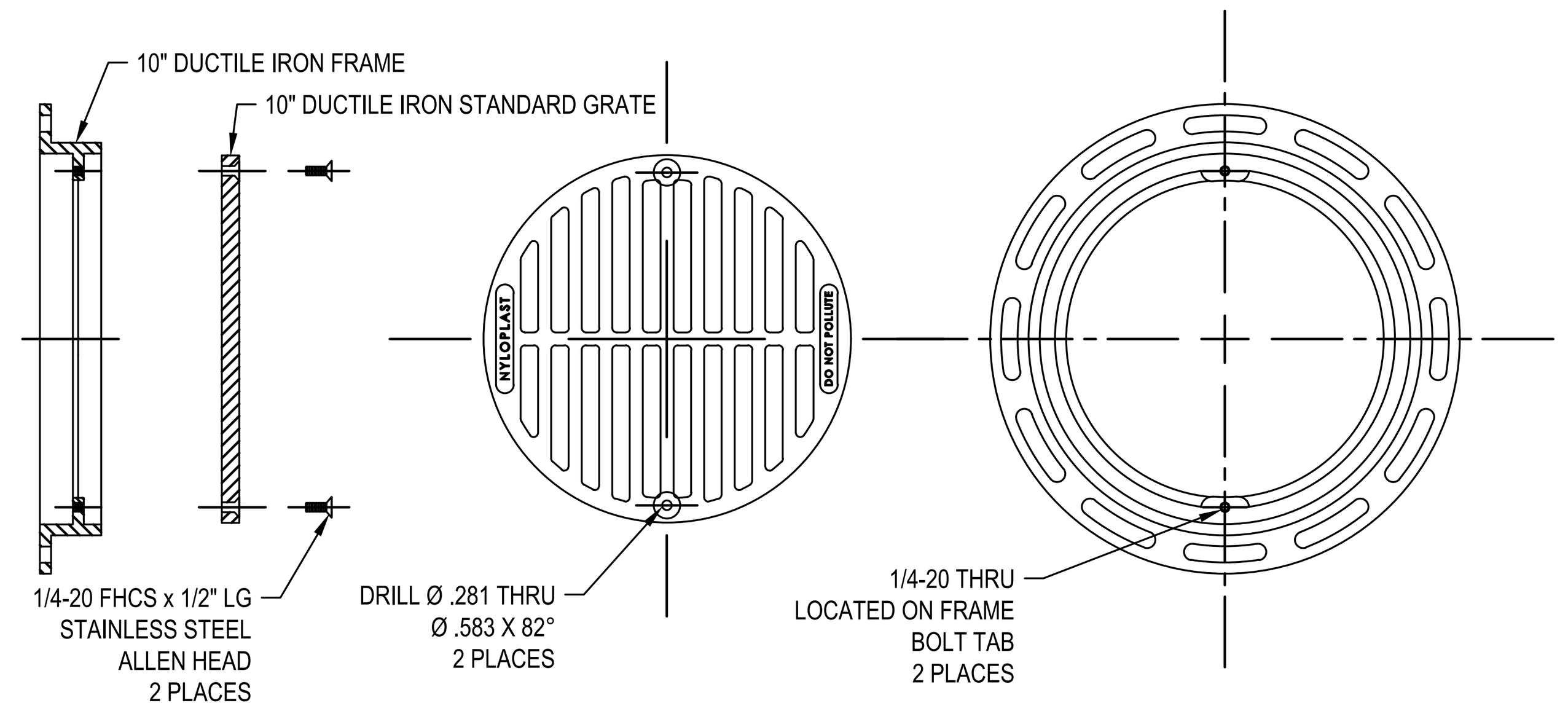


CAST-IN-PLACE CONCRETE CURB LAID LEVEL AND FLUSH WITH GRADE
COVER CREST WITH EROSION CONTROL BLANKET NORTH AMERICAN GREEN S75 (SEE PLANS FOR LOCATION)
EXISTING GROUND
OVERFLOW
VARIES
WIDTH AS SHOWN ON PLANS
4" LOAM AND SEED WITH NEW ENGLAND CONTROL/ RESTORATION MIX
12" LAYER OF PERMEABLE SOIL
60% SAND
20% TOPSOIL
20% LEAF COMPOST

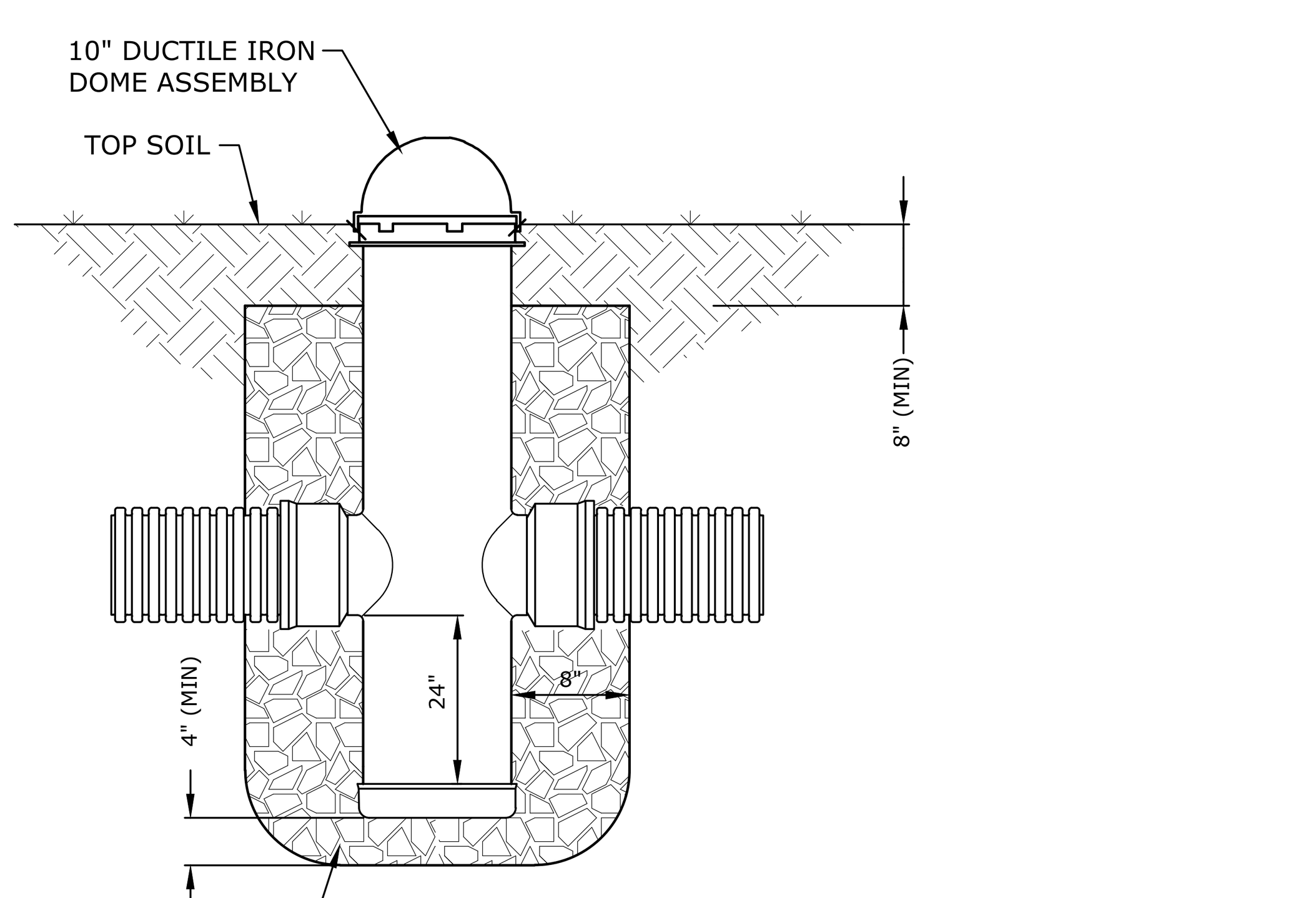
LEVEL SPREADER
NO SCALE



DOME GRATE (PLANTING BEDS)

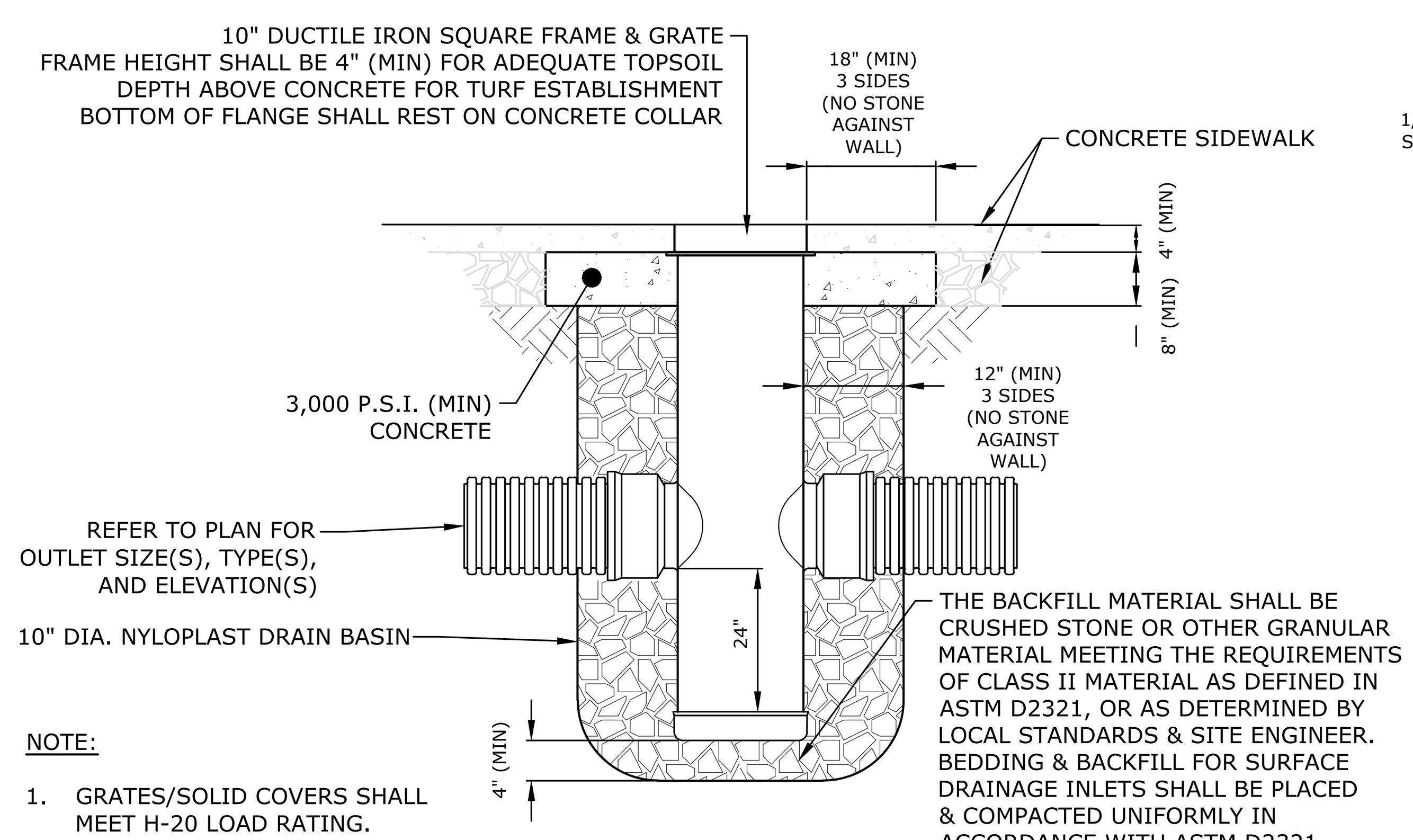


FLAT GRATE (LAWN AREAS)



THE BACKFILL MATERIAL SHALL BE CRUSHED STONE OR OTHER GRANULAR MATERIAL MEETING THE REQUIREMENTS OF CLASS II MATERIAL AS DEFINED IN ASTM D2321, OR AS DETERMINED BY LOCAL STANDARDS & SITE ENGINEER. BEDDING & BACKFILL FOR SURFACE DRAINAGE INLETS SHALL BE PLACED & COMPACTED UNIFORMLY IN ACCORDANCE WITH ASTM D2321.

YARD DRAIN DETAIL (LANDSCAPED AREAS)
NO SCALE



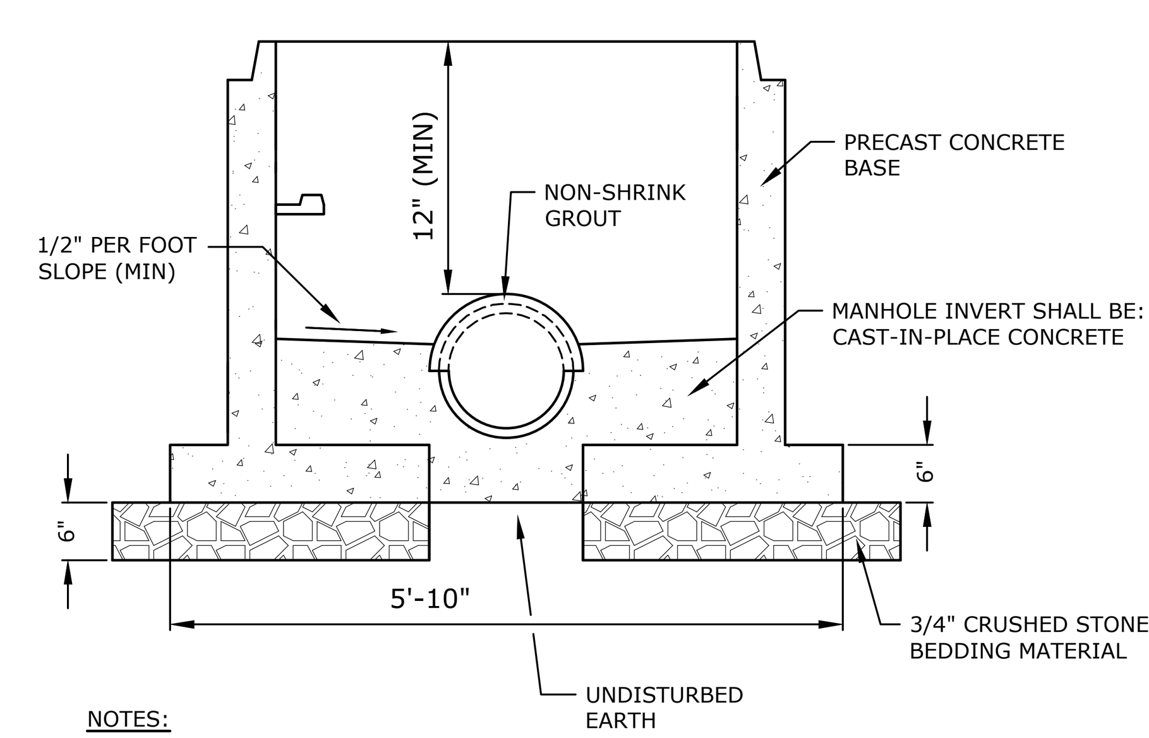
10" DUCTILE IRON SQUARE FRAME & GRATE
FRAME HEIGHT SHALL BE 4" (MIN) FOR ADEQUATE TOPSOIL DEPTH ABOVE CONCRETE FOR TURF ESTABLISHMENT
BOTTOM OF FLANGE SHALL REST ON CONCRETE COLLAR
18" (MIN) 3 SIDES (NO STONE AGAINST WALL)
CONCRETE SIDEWALK
4" (MIN)
8" (MIN)
3,000 P.S.I. (MIN) CONCRETE
12" (MIN) 3 SIDES (NO STONE AGAINST WALL)
REFER TO PLAN FOR OUTLET SIZE(S), TYPE(S), AND ELEVATION(S)
10" DIA. NYLOPLAST DRAIN BASIN
24"
4" (MIN)

THE BACKFILL MATERIAL SHALL BE CRUSHED STONE OR OTHER GRANULAR MATERIAL MEETING THE REQUIREMENTS OF CLASS II MATERIAL AS DEFINED IN ASTM D2321, OR AS DETERMINED BY LOCAL STANDARDS & SITE ENGINEER. BEDDING & BACKFILL FOR SURFACE DRAINAGE INLETS SHALL BE PLACED & COMPACTED UNIFORMLY IN ACCORDANCE WITH ASTM D2321.

NOTE:

1. GRATES/SOLID COVERS SHALL MEET H-20 LOAD RATING.

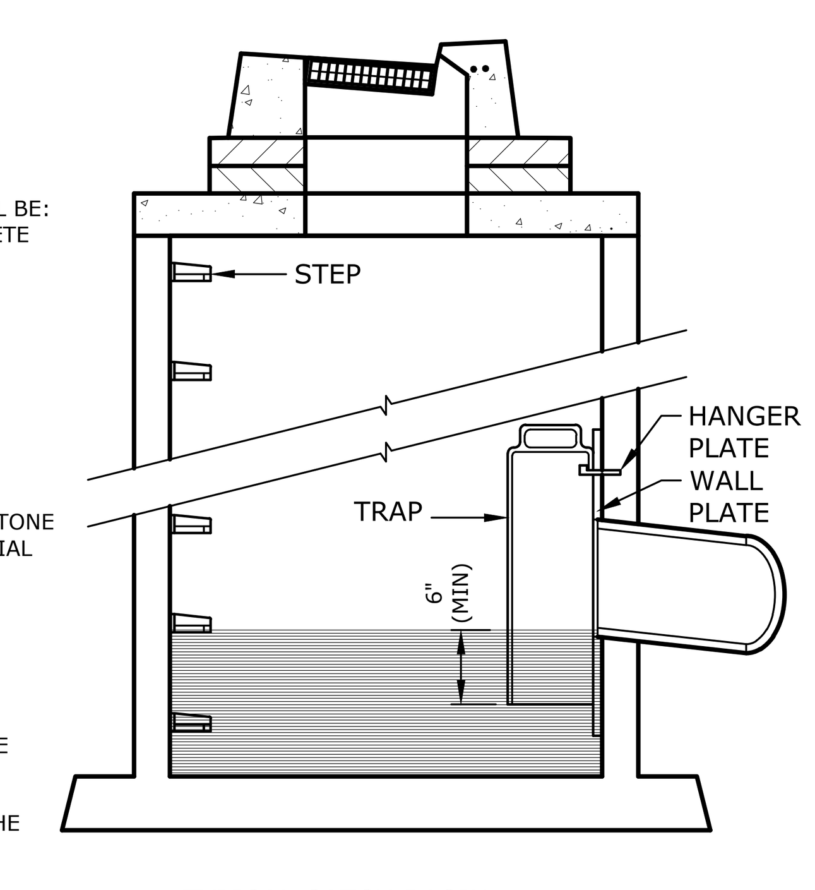
AREA DRAIN DETAIL (PAVED AREAS)
NO SCALE

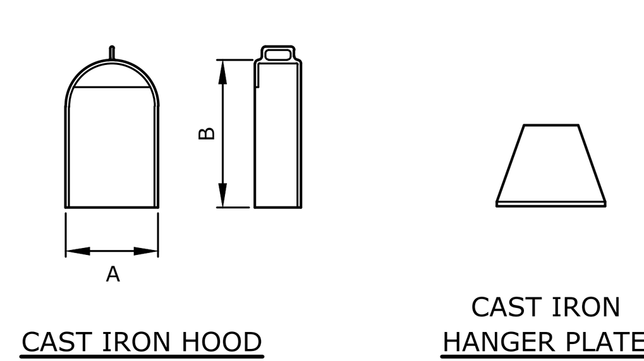


NOTES:

1. MINIMUM 4' DIAMETER MANHOLE.
2. DOGHOUSE OPENING MAY ONLY BE USED WHEN PLACING A NEW MANHOLE OVER AN EXISTING LINE; OTHERWISE, THE OPENING MUST BE CAST. SIZE, LOCATION AND ANGLE OF ENTRY SHOULD BE AS REQUIRED BY THE PLANS.
3. OPENINGS IN PRECAST UNITS ARE TO BE 4" MINIMUM TO 8" MAXIMUM LARGER THAN THE OUTSIDE DIAMETER OF THE EXISTING PIPE.
4. TOP HALF OF EXISTING PIPE TO BE REMOVED FOR FULL LENGTH EXPOSED INSIDE MANHOLE. EXISTING MAIN TO BE NEATLY CUT ALONG THE SPRING LINE OF THE PIPE.
5. SEE STORM MANHOLE DETAIL FOR ADDITIONAL INFORMATION.

STORM DRAINAGE DOGHOUSE MANHOLE BASE
NO SCALE





DIMENSION IN INCHES			PIPE SIZE (IN.)
A	B	C	
9 1/2	16	4 3/4	6
11 1/2	20 1/2	5 1/2	8
13 1/4	23 1/2	6 1/2	10
15 3/4	26	7 1/2	12
18	27	9	15
20	27	10	18
25 1/4	30	11 1/4	21
30	35 3/4	15	24

NOTE

1. CAST IRON HANGER PLATE FURNISHED WITH HOOD.

CATCH BASIN TRAP DETAIL
NO SCALE

Tighe&Bond
1000 Bridgeport Avenue
Suite 320
Shelton, CT 06484
(203) 712-1100

TOWN SUBMISSION

64 Danbury Road

Fuller Development, LLC

Wilton, CT

MARK	DATE	DESCRIPTION
1	4/8/2024	RESPONSE TO TOWN COMMENTS

PROJECT NO:	F0173-001
DATE:	12/21/2023
FILE:	F0173-001-C-601-DETL.dwg
DRAWN BY:	MDS
DESIGNED/CHECKED BY:	EWL
APPROVED BY:	JWB

DETAILS - 5

SCALE: AS SHOWN

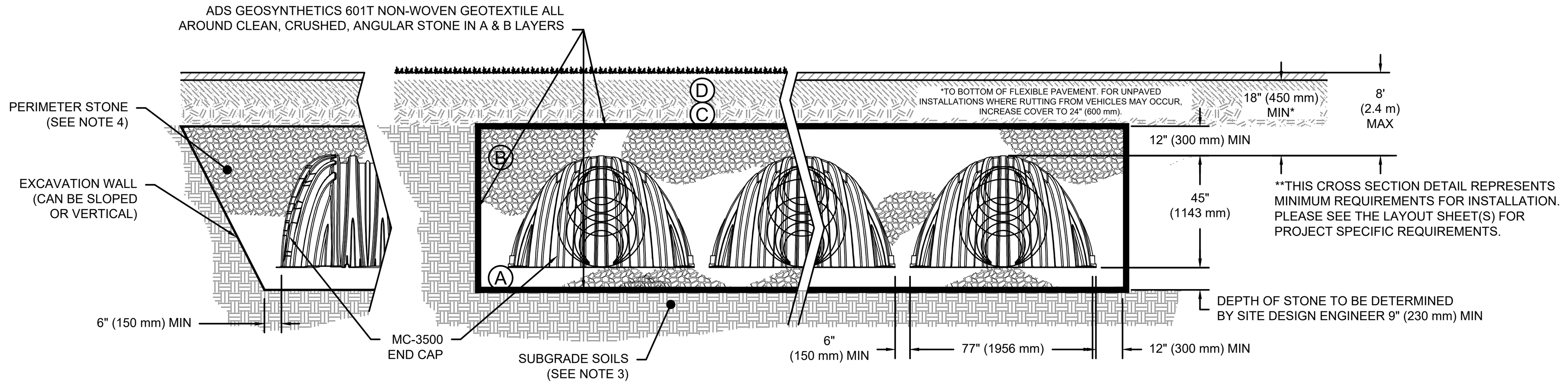
C-605

Last Saved: 4/5/2024
Plotted On:Apr 08, 2024-11:27am By: AClark
Tighe & Bond:J:\F\F0173 Fuller\001 64 Danbury Rd\Drawings_Figures\AutoCAD\Sheet\F0173-001-C-601-DETL.dwg

ACCEPTABLE FILL MATERIALS: STORMTECH MC-3500 CHAMBER SYSTEMS

MATERIAL LOCATION		DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	**FINAL FILL:** FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER	ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
C	**INITIAL FILL:** FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 24" (600 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, <35% FINES OR PROCESSED AGGREGATE. MOST PAVEMENT SUBBASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER.	AASHTO M145[1] A-1, A-2-4, A-3 OR AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 24" (600 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 12" (300 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS.
B	**EMBEDMENT STONE:** FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE	AASHTO M43[1] 3, 4	NO COMPACTION REQUIRED.
A	**FOUNDATION STONE:** FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	CLEAN, CRUSHED, ANGULAR STONE	AASHTO M43[1] 3, 4	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE.[2,3]

PLEASE NOTE:
1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".
2. STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 9" (230 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
3. WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.
4. ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.

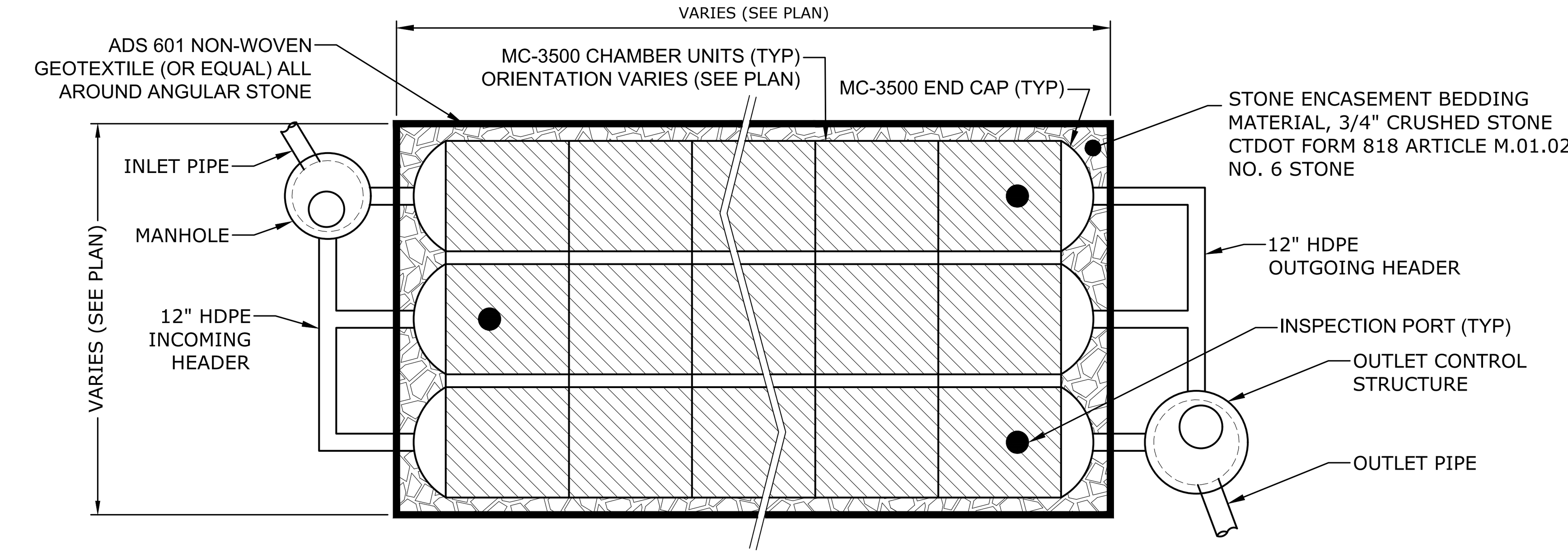


*FOR COVER DEPTHS GREATER THAN 8.0' (2.4 m) PLEASE CONTACT ADS

NOTES:

1. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS" CHAMBER CLASSIFICATION 45x76 DESIGNATION SS.
2. MC-3500 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
3. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.
4. PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
5. REQUIREMENTS FOR HANDLING AND INSTALLATION:
   - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
   - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 3".
   - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT AS DEFINED IN SECTION 6.2.8 OF ASTM F2418 SHALL BE GREATER THAN OR EQUAL TO 500 LBS/FT/%. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.

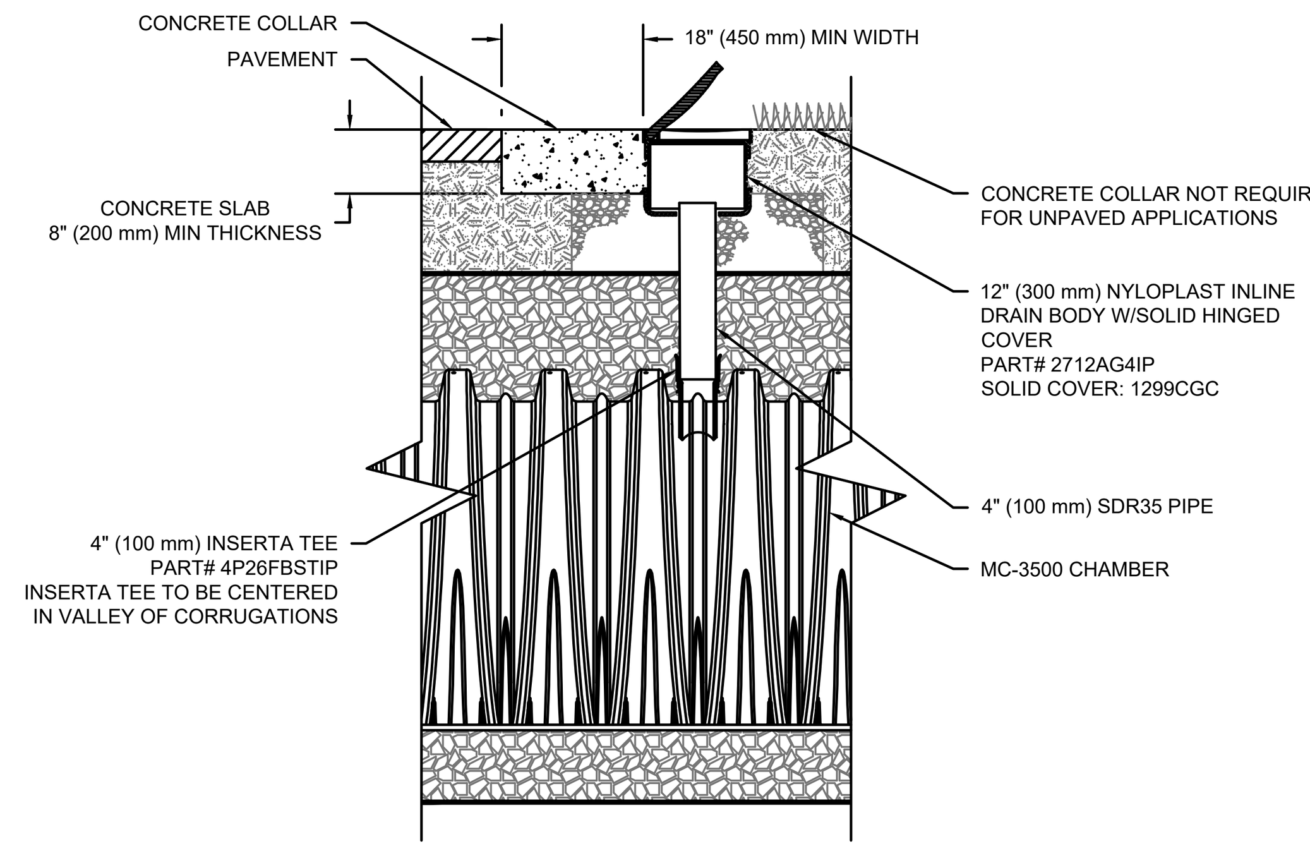
INFILTRATION SYSTEM
ADS, INC STORMTECH® MC-3500 TYPICAL CROSS-SECTION
NO SCALE



NOTES:

1. THE DESIGN ENGINEER MUST REVIEW ELEVATIONS AND IF NECESSARY ADJUST GRADING TO ENSURE THE CHAMBER'S COVER REQUIREMENTS ARE MET.
2. DUE TO THE ADAPTATION OF THIS CHAMBER SYSTEM TO SPECIFIC SITE AND DESIGN CONSTRAINTS, IT MAY BE NECESSARY TO CUT & COUPLE ADDITIONAL PIPE TO STANDARD MANIFOLD COMPONENTS IN THE FIELD.

MC-3500 UNDERGROUND INFILTRATION SYSTEM
NO SCALE

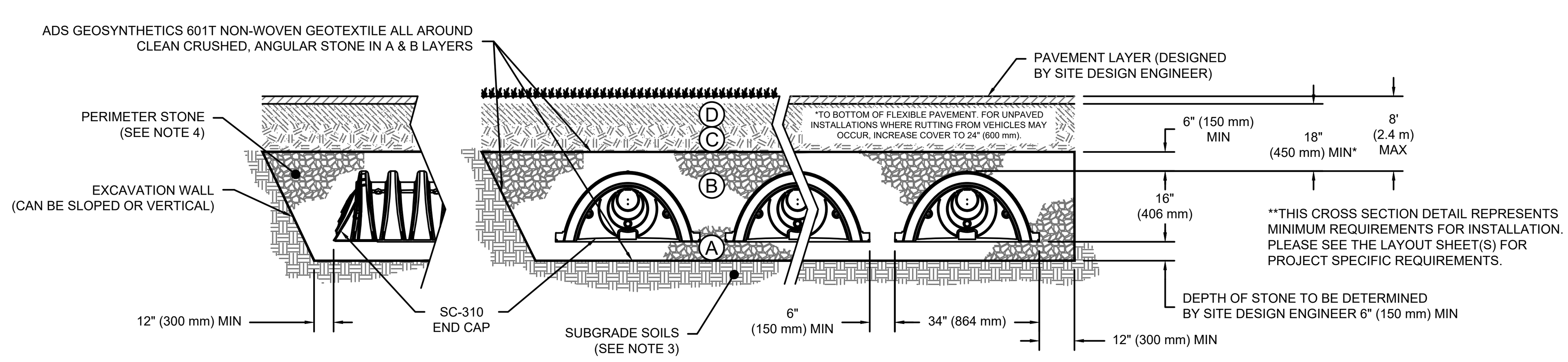


INFILTRATION SYSTEM
ADS, INC STORMTECH® MC-3500 INSPECTION PORT DETAIL
NO SCALE

ACCEPTABLE FILL MATERIALS: STORMTECH SC-310 CHAMBER SYSTEMS

MATERIAL LOCATION		DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	**FINAL FILL:** FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER.	ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
C	**INITIAL FILL:** FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 18" (450 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, <35% FINES OR PROCESSED AGGREGATE. MOST PAVEMENT SUBBASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER.	AASHTO M145[1] A-1, A-2-4, A-3 OR AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 12" (300 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" (150 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 lbs (53 kN). DYNAMIC FORCE NOT TO EXCEED 20,000 lbs (89 kN).
B	**EMBEDMENT STONE:** FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETE[5]	AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57	NO COMPACTION REQUIRED.
A	**FOUNDATION STONE:** FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETE[5]	AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE.[2,3]

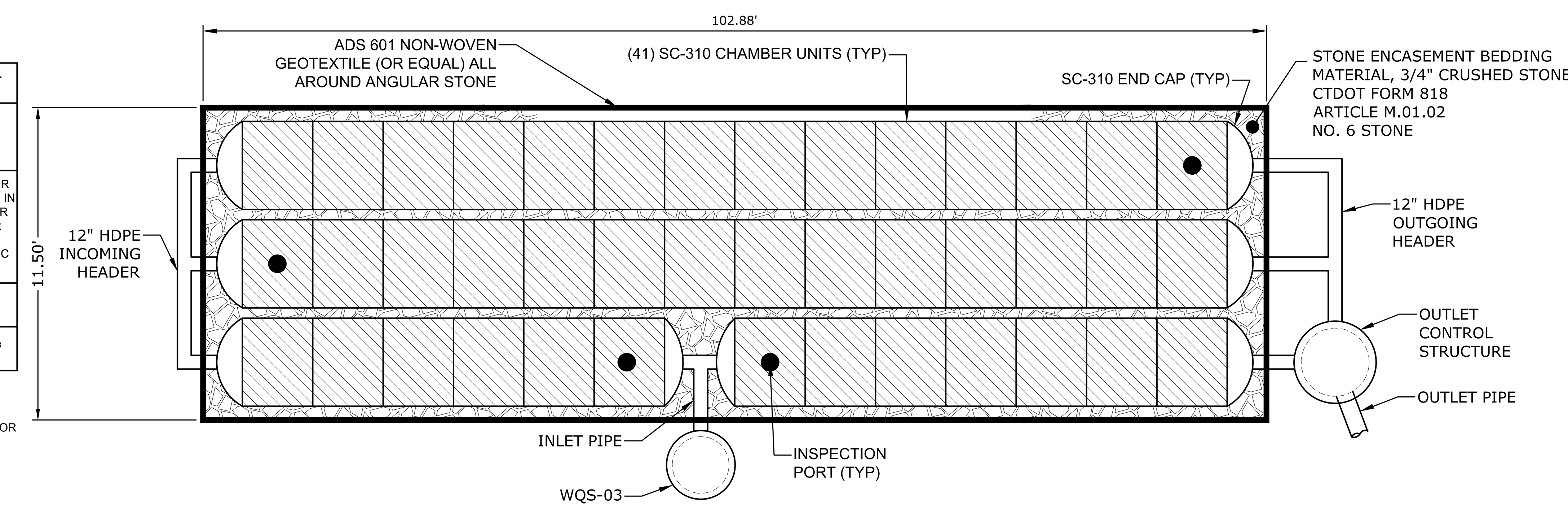
PLEASE NOTE:
1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".
2. STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 6" (150 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
3. WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.
4. ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.
5. WHERE RECYCLED CONCRETE AGGREGATE IS USED IN LAYERS 'A' OR 'B' THE MATERIAL SHOULD ALSO MEET THE ACCEPTABILITY CRITERIA OUTLINED IN TECHNICAL NOTE 6.20 "RECYCLED CONCRETE STRUCTURAL BACKFILL".



NOTES:

1. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2922 (POLETHYLENE) OR ASTM F2418 (POLYPROPYLENE), "STANDARD SPECIFICATION FOR CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
2. SC-310 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
3. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.
4. PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
5. REQUIREMENTS FOR HANDLING AND INSTALLATION:
   - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
   - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 2".
   - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT AS DEFINED IN SECTION 6.2.8 OF ASTM F2922 SHALL BE GREATER THAN OR EQUAL TO 400 LBS/FT/%. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.

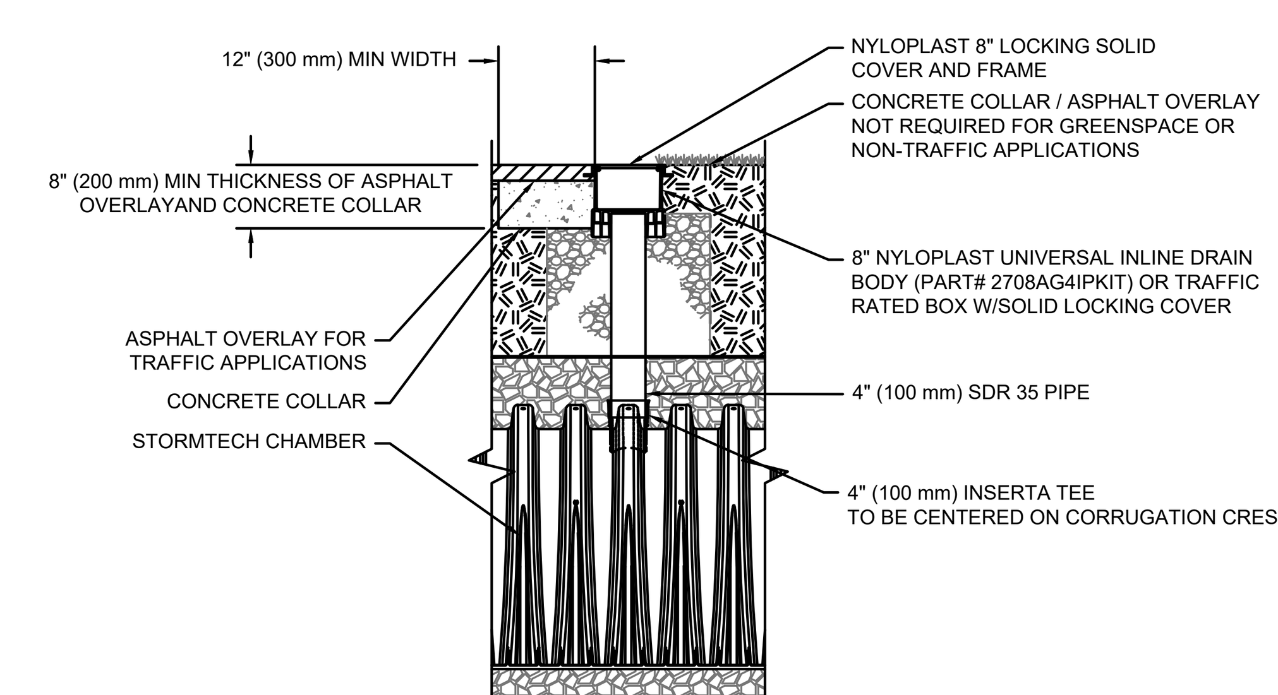
INFILTRATION SYSTEM
ADS, INC STORMTECH® SC-310 TYPICAL CROSS-SECTION
NO SCALE



NOTES:

1. THE DESIGN ENGINEER MUST REVIEW ELEVATIONS AND IF NECESSARY ADJUST GRADING TO ENSURE THE CHAMBER'S COVER REQUIREMENTS ARE MET.
2. DUE TO THE ADAPTATION OF THIS CHAMBER SYSTEM TO SPECIFIC SITE AND DESIGN CONSTRAINTS, IT MAY BE NECESSARY TO CUT & COUPLE ADDITIONAL PIPE TO STANDARD MANIFOLD COMPONENTS IN THE FIELD.

MC-3500 UNDERGROUND INFILTRATION SYSTEM
NO SCALE



INFILTRATION SYSTEM
ADS, INC STORMTECH® SC-310 INSPECTION PORT DETAIL
NO SCALE

Tighe&Bond
1000 Bridgeport Avenue
Suite 320
Shelton, CT 06484
(203) 712-1100

TOWN SUBMISSION

64 Danbury Road

Fuller Development, LLC

Wilton, CT

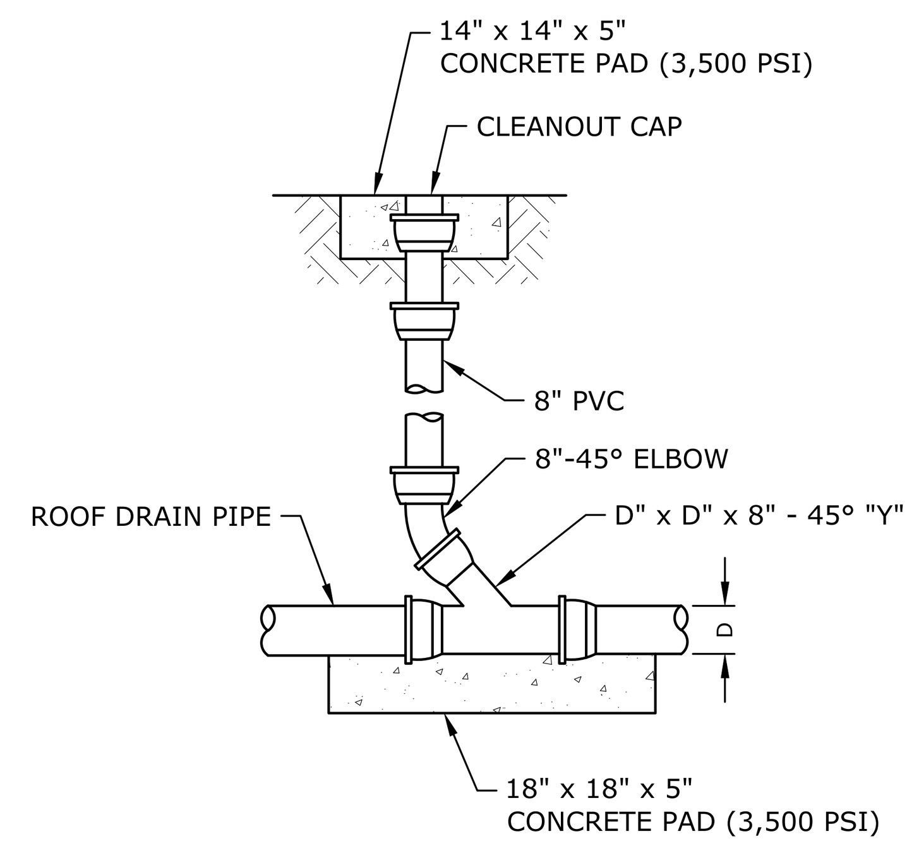
MARK	DATE	DESCRIPTION
1	4/8/2024	RESPONSE TO TOWN COMMENTS

PROJECT NO:	F0173-001
DATE:	12/21/2023
FILE:	F0173-001-C-601-DETL.dwg
DRAWN BY:	MDS
DESIGNED/CHECKED BY:	EWL
APPROVED BY:	JWB

DETAILS - 6

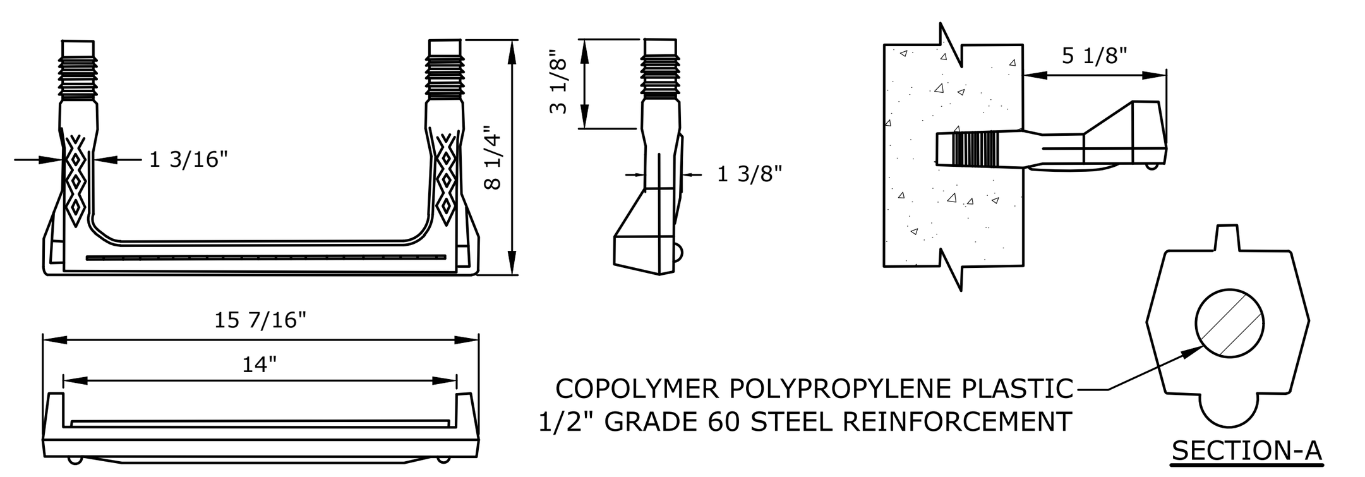
SCALE: AS SHOWN

C-606



CLEANOUT DETAIL

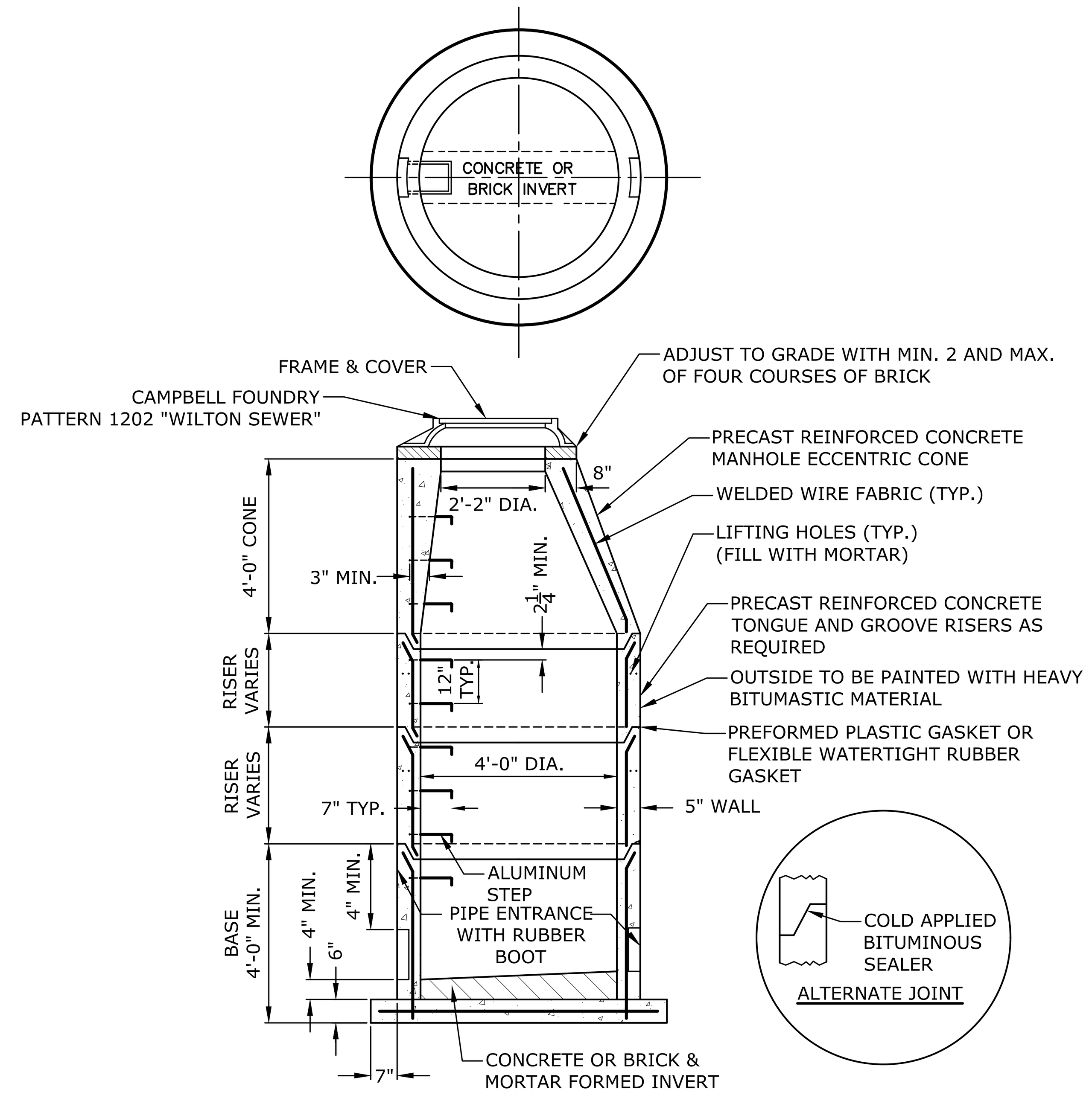
NO SCALE



NOTE:
MANHOLE RUNGS ARE TO BE "SAFETY GREEN" PHOSPHORESCENT COPOLYMER POLYPROPYLENE PLASTIC COATED 1/2" GRADE STEEL REINFORCEMENT STEP MODEL No. PS2-PFSL AS MANUFACTURED BY M.A. INDUSTRIES, INC. OR PRESS-SEAL GASKET,STEEL REINFORCED (GRADE 60 STEEL), COPOLYMER POLYPROPYLENE 14" MANHOLE SAFETY STEP PART # P-14850 WITH BUILT-IN REFLECTORS. STEPS ARE TO BE FACTORY INSTALLED BY THE MANUFACTURER OF THE MANHOLES

MANHOLE RUNG

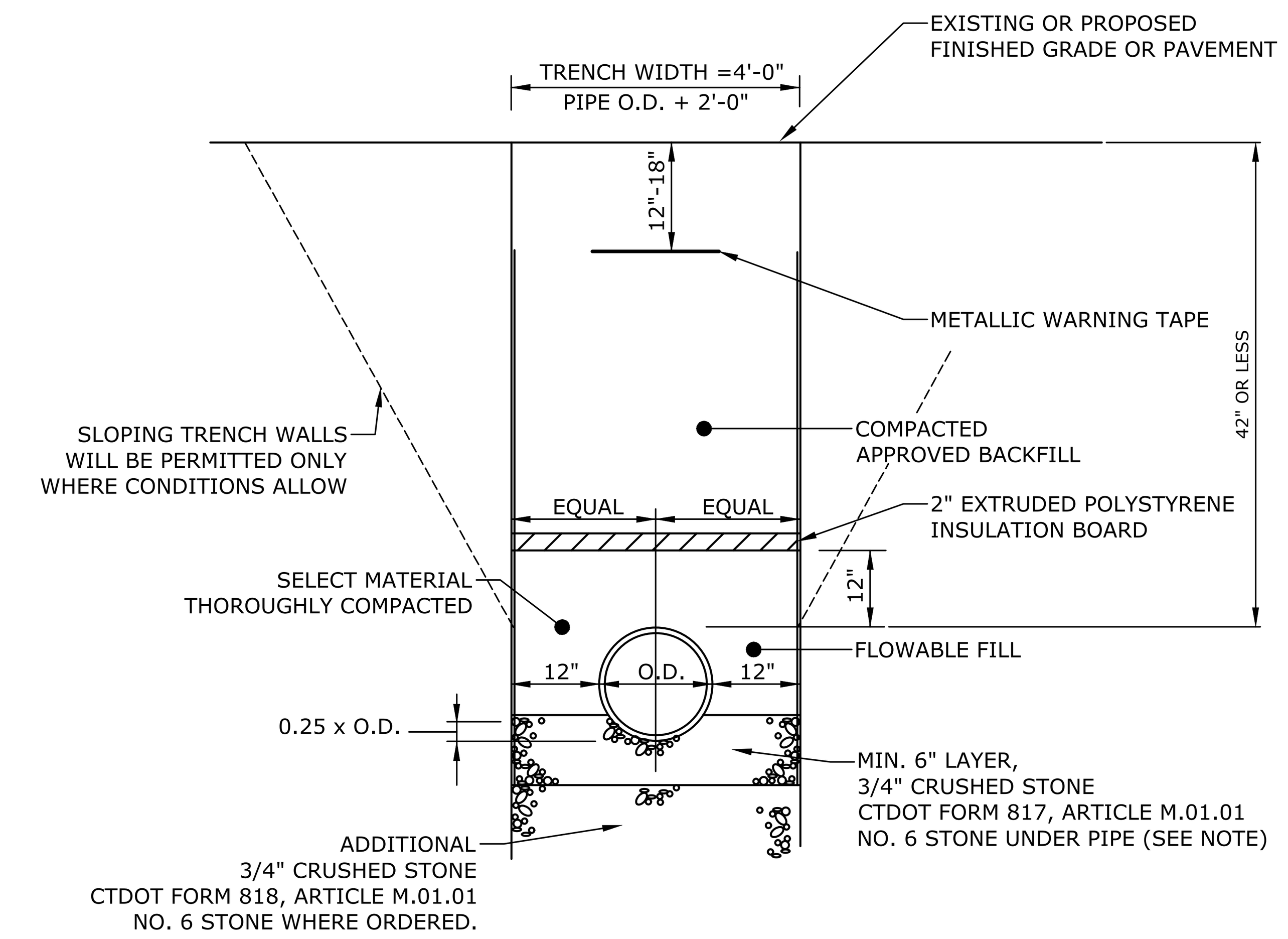
NO SCALE



5' OR 6' DIA. PRECAST BASES MAY BE USED WHEN REQUIRED DUE TO SIZE OR NUMBER OF PIPES AT THE MANHOLE.
PRECAST REDUCERS WILL BE PLACED ABOVE THE 5' & 6' BASES AS DIRECTED BY THE ENGINEER.
WALL THICKNESS TO INCREASE 1" FOR EACH 1' OF INSIDE DIAMETER INCREASE.

PRECAST SANITARY MANHOLE

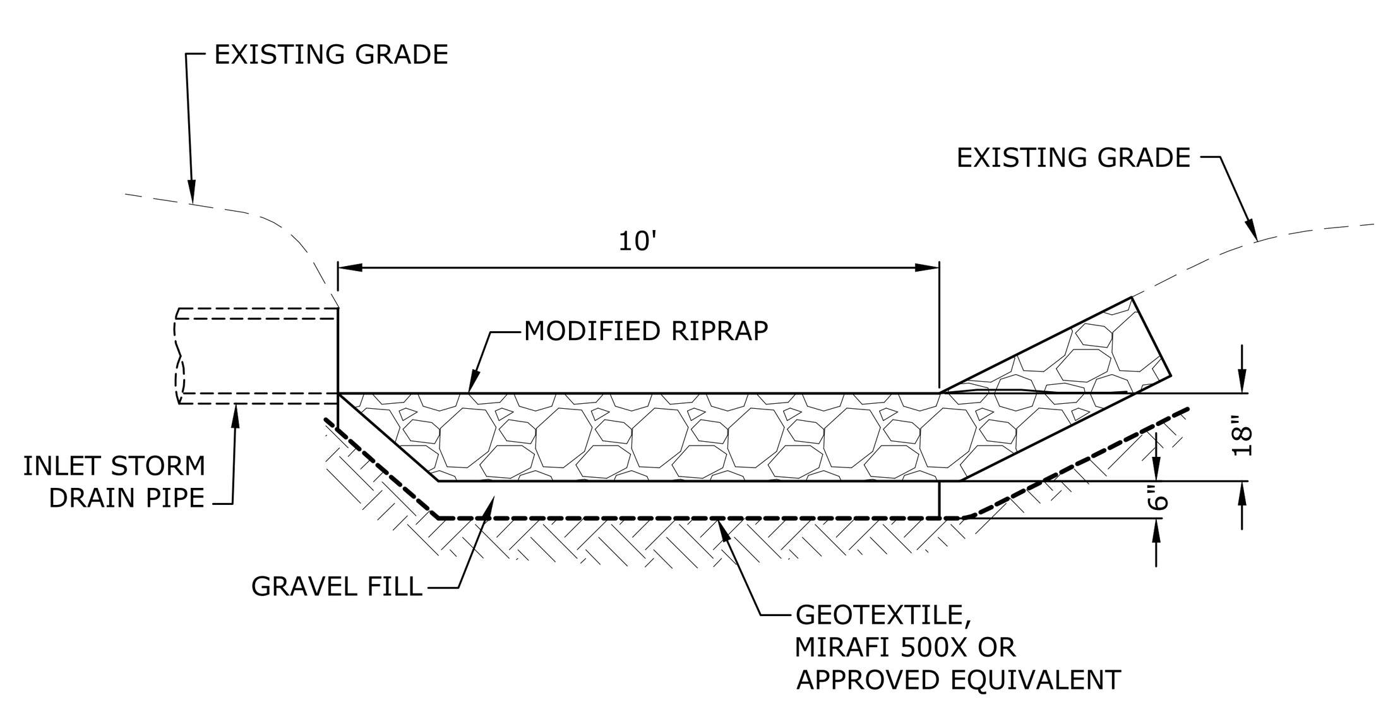
NO SCALE



NOTE:
ADJACENT UTILITIES ARE TO BE PROPERLY SUPPORTED AT ALL TIMES
DEAD SAND WATERSTOPS ARE TO BE PLACED AT ALL JOINTS INCLUDING JOINTS AT MANHOLES. THEY ARE TO EXTEND 12" BEYOND EACH PIPE JOINT (IN BOTH DIRECTIONS). THE DEAD SAND IS TO BE PLACED TO THE SAME HEIGHT AS THE BEDDING MATERIAL.

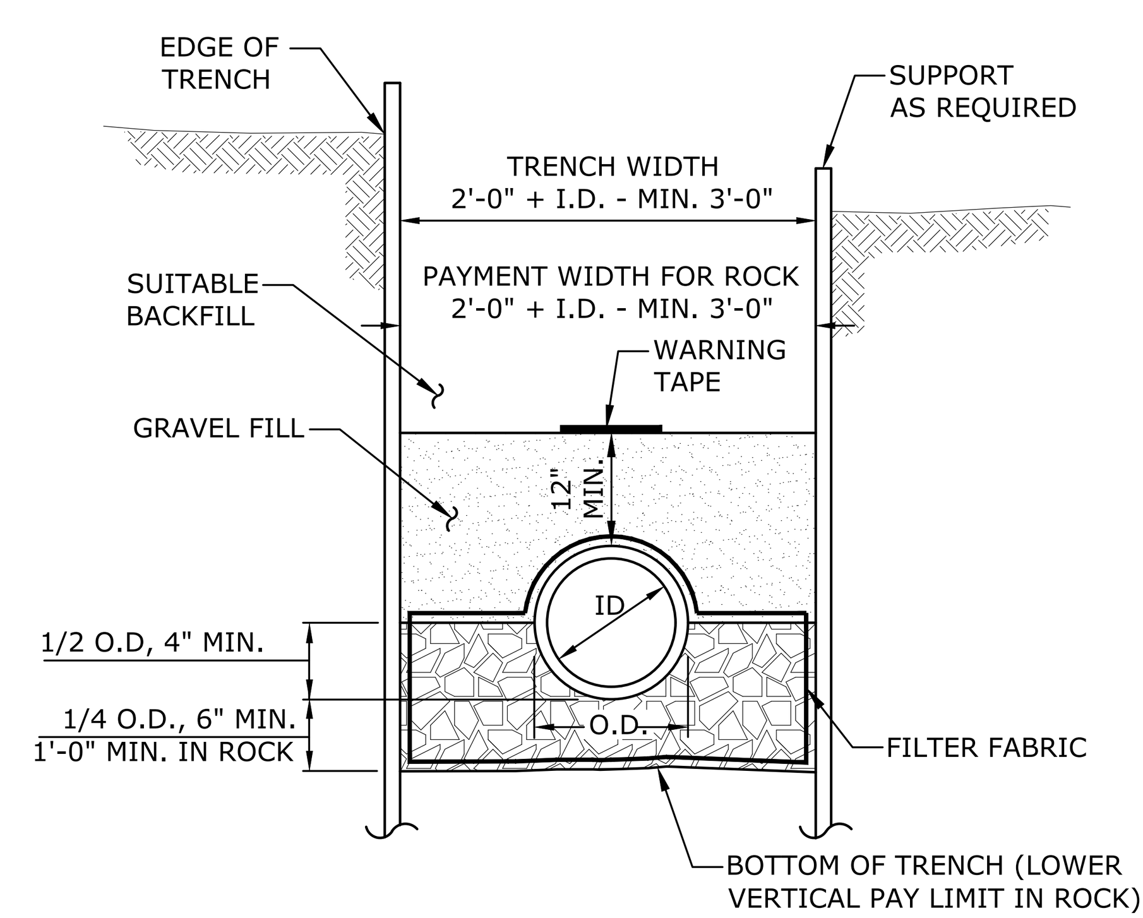
SANITARY SEWER TRENCH FOR SEWER WITH 42" COVER OR LESS

NO SCALE



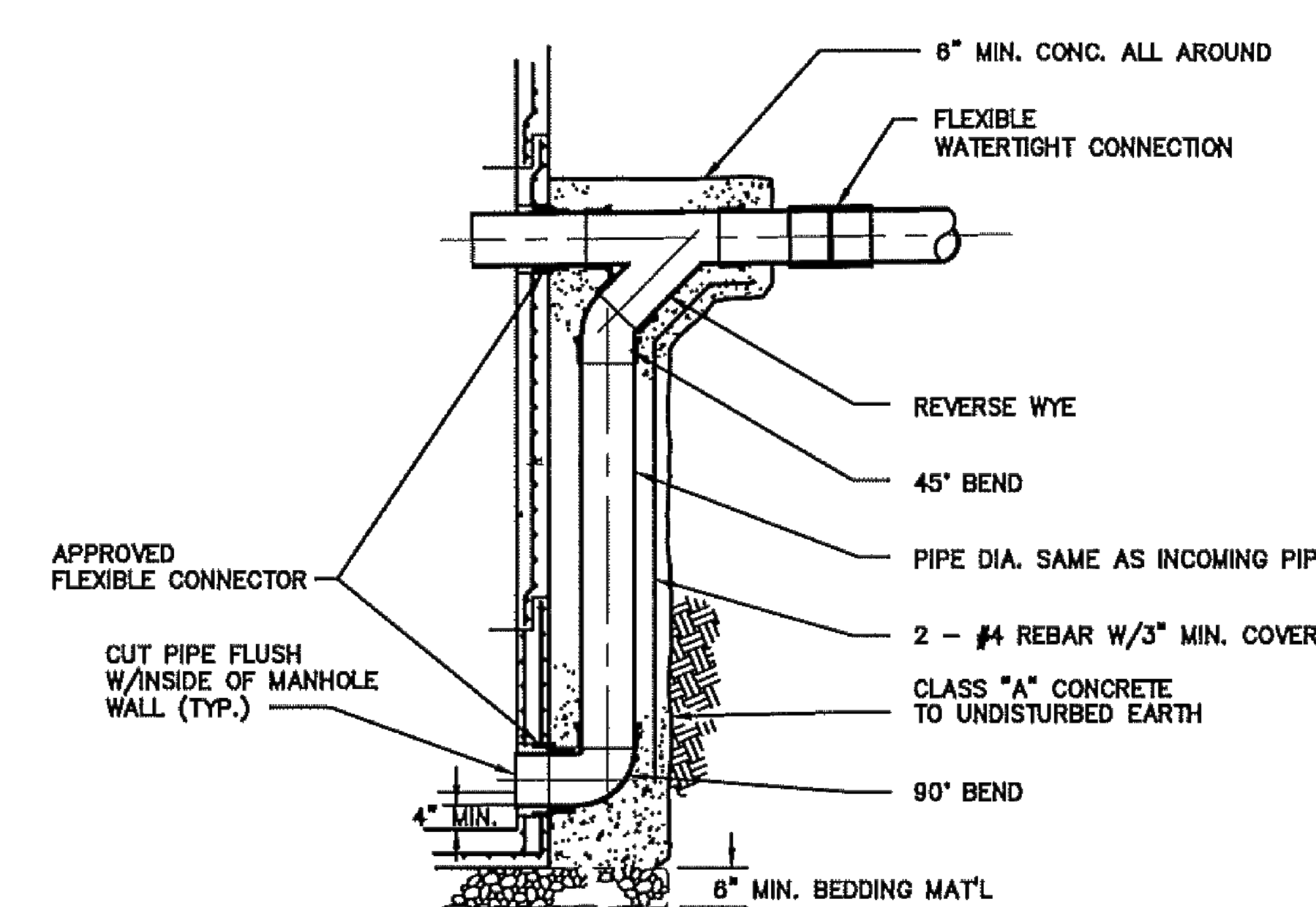
MODIFIED RIPRAP INLET PROTECTION

NO SCALE



TYPICAL SANITARY SEWER TRENCH SECTION

NO SCALE



DROP MANHOLE DETAIL

NO SCALE

Tighe&Bond

1000 Bridgeport Avenue
Suite 320
Shelton, CT 06484
(203) 712-1100

TOWN SUBMISSION

64 Danbury Road

Fuller Development, LLC

Wilton, CT

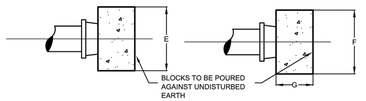
1	4/8/2024	RESPONSE TO TOWN COMMENTS
MARK	DATE	DESCRIPTION

PROJECT NO:	F0173-001
DATE:	12/21/2023
FILE:	F0173-001-C-601-DETL.dwg
DRAWN BY:	MDS
DESIGNED/CHECKED BY:	EWL
APPROVED BY:	JWB

DETAILS - 7

SCALE: AS SHOWN

C-607

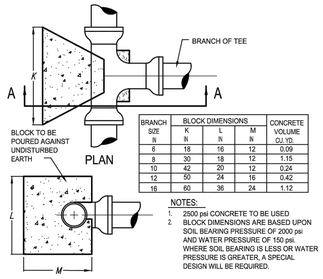


PLAN ELEVATION

NOTES:
1. 2500 psi CONCRETE TO BE USED
2. BLOCK DIMENSIONS ARE BASED UPON SOIL BEARING PRESSURE OF 2000 psi AND WATER PRESSURE OF 150 psi. WHERE SOIL BEARING IS LESS OR WATER PRESSURE IS GREATER, A SPECIAL DESIGN WILL BE REQUIRED.
3. FOR USE ON ABANDONED LINES AND DEAD ENDS WHERE NO EXTENSION IS CONTEMPLATED.

PIPE DIAM. IN	BLOCK DIMENSIONS E IN	F IN	G IN	CONCRETE VOLUME CU. YD.
6	20	16	12	0.09
8	28	20	12	0.15
10	30	24	12	0.19
12	42	30	14	0.40
16	52	42	18	0.85

CAPS, PLUGS AND VALVES

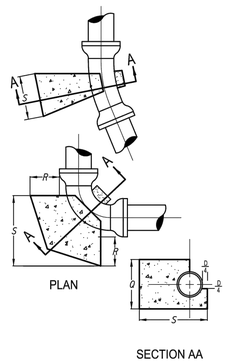


BRANCH SIZE IN	BLOCK DIMENSIONS K IN	L IN	M IN	CONCRETE VOLUME CU. YD.
6	18	16	12	0.09
8	30	18	12	1.15
10	42	20	12	0.24
12	50	24	16	0.42
16	60	36	24	1.12

NOTES:
1. 2500 psi CONCRETE TO BE USED
2. BLOCK DIMENSIONS ARE BASED UPON SOIL BEARING PRESSURE OF 2000 psi AND WATER PRESSURE OF 150 psi. WHERE SOIL BEARING IS LESS OR WATER PRESSURE IS GREATER, A SPECIAL DESIGN WILL BE REQUIRED.

TEES

AQUARION Water Company — Stewards of the Environment	THRUST BLOCKS AT TEES, CAPS, PLUGS & VALVES NOT TO SCALE
	SD-14

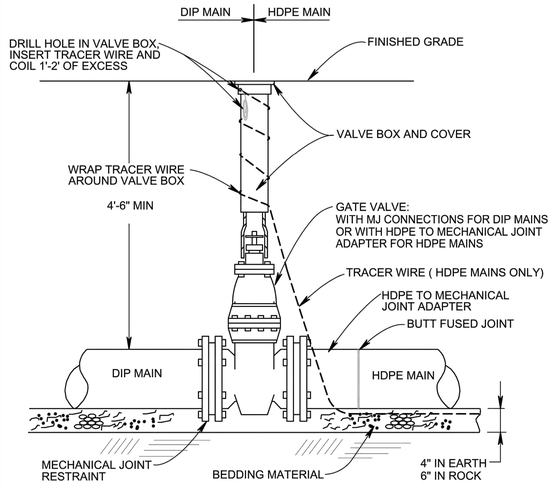


PIPE DIAM. IN	BEND DEG	BLOCK DIMENSIONS S IN.	Q IN.	R IN.	CONCRETE VOLUME CU.YD.
16	90	48	48	48	2.37
	45	48	34	20	0.70
	22 1/2	42	20	18	0.32
	11 1/4				SEE NOTE 3
12	90	36	36	36	1.00
	45	36	24	18	0.33
	22 1/2	28	18	12	0.13
	11 1/4				SEE NOTE 3
10	90	30	30	30	0.60
	45	30	20	18	0.23
	22 1/2	22	16	12	0.09
	11 1/4				SEE NOTE 3
8	90	24	24	24	0.30
	45	24	16	12	0.20
	22 1/2	18	12	12	0.11
	11 1/4				SEE NOTE 3
6	90	18	18	18	0.25
	45	18	12	12	0.11
	22 1/2	12	12	12	0.07
	11 1/4				SEE NOTE 3

NOTES:
1. 2500 psi CONCRETE TO BE USED
2. BLOCK DIMENSIONS ARE BASED UPON SOIL BEARING PRESSURE OF 2000 psi AND WATER PRESSURE OF 150 psi. WHERE SOIL BEARING IS LESS OR WATER PRESSURE IS GREATER, A SPECIAL DESIGN WILL BE REQUIRED.
3. SEE SAG VERTICAL (ABOVE)

SECTION AA

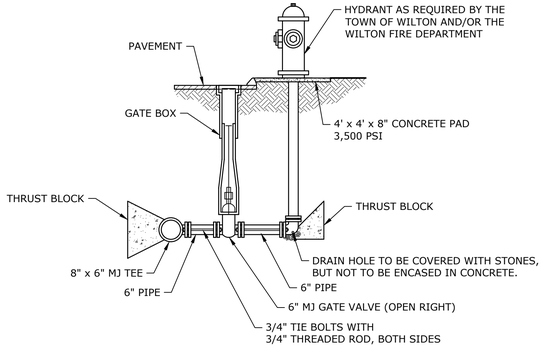
AQUARION Water Company — Stewards of the Environment	THRUST BLOCKS AT HORIZONTAL BENDS NOT TO SCALE
	SD-15



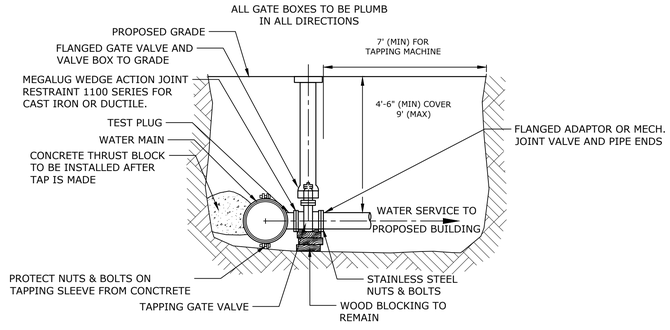
NOTE: ONLY INSTALLED ON MAINS 8" AND SMALLER

NOTE: FOR CONTINUOUS HDPE MAINS, INSTALL TRACER WIRE UNDER ALL VALVES AND FITTINGS. FOR TERMINATION POINTS, INSTALL TRACER WIRE AROUND VALVE BOXES AS SHOWN ABOVE.

AQUARION Water Company — Stewards of the Environment	GATE VALVE NOT TO SCALE
	SD-2



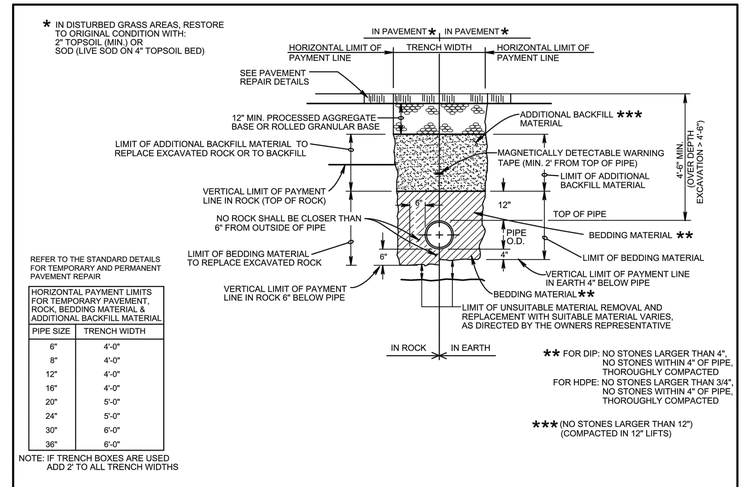
HYDRANT DETAIL
TOWN OF WILTON
NO SCALE



NOTES:

1. THE TRENCH IS TO BE DEWATERED AND IN COMPLIANCE WITH OSHA REQUIREMENTS FOR TRENCH EXCAVATION. THE WET TAP TO BE PERFORMED BY A CONTRACTOR APPROVED BY THE CITY FOR THIS PURPOSE.
2. TAPPING SLEEVE & TAPPING GATE VALVE TO BE INSTALLED ON WATER MAIN. A HYDROSTATIC PRESSURE TEST WILL BE PERFORMED THROUGH THE TEST PLUG WITH INSPECTOR PRESENT. A WET TAP WILL BE PERFORMED ONLY AFTER TAPPING SLEEVE TEST PRESSURE HAS PASSED.

TYPICAL 4" THROUGH 12" WATER SERVICE TAP ON MAIN AND TAPPING GATE VALVE DETAIL
NO SCALE



REFER TO THE STANDARD DETAILS FOR TEMPORARY AND PERMANENT PAVEMENT REPAIR

HORIZONTAL PAYMENT LIMITS FOR TEMPORARY PAVEMENT, ROCK, BEDDING MATERIAL & ADDITIONAL BACKFILL MATERIAL	
PIPE SIZE	TRENCH WIDTH
6"	4'-0"
8"	4'-0"
12"	4'-0"
16"	4'-0"
20"	5'-0"
24"	5'-0"
30"	6'-0"
36"	6'-0"

NOTE: IF TRENCH BOXES ARE USED ADD 2' TO ALL TRENCH WIDTHS

AQUARION Water Company — Stewards of the Environment	TYPICAL TRENCH DETAIL NOT TO SCALE
	SD-1

Tighe&Bond
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STATE OF CONNECTION — ERIC W. LINDQUIST — LICENSED PROFESSIONAL ENGINEER — 4/9/24

STATE OF CONNECTICUT — JOHN W. BUSHNELL — LICENSED PROFESSIONAL ENGINEER — 4/9/24

TOWN SUBMISSION

64 Danbury Road

Fuller Development, LLC

Wilton, CT

MARK	DATE	DESCRIPTION
1	4/8/2024	RESPONSE TO TOWN COMMENTS

PROJECT NO:	F0173-001
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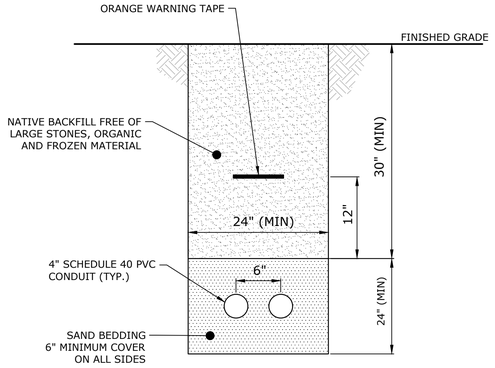
DRAWN BY:	MDS
DESIGNED/CHECKED BY:	EWL
APPROVED BY:	JWB

DETAILS - 8

SCALE: AS SHOWN

C-608

Last Saved: 4/5/2024
Plotted On:Apr 08, 2024-11:28am By: AClark
Tighe & Bond:J:\F\F0173 Fuller\001 64 Danbury Rd\Drawings, Figures\AutoCAD\Sheet\F0173-001-C-601-DETL.dwg



NOTES:

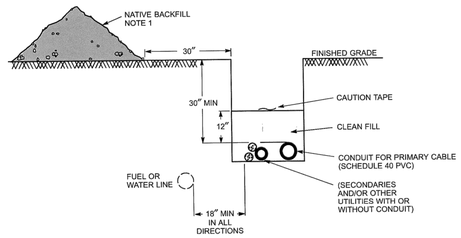
MINIMUM CONDUIT RADIUS TO BE 15'-0".

TEL-COM CONDUIT BANK DETAIL
NO SCALE

SCOPE – All direct–buried primary cables shall be of the jacketed type. The cables may be random–laid with the secondaries and other utilities under certain conditions, detailed in **DTR 44.101**.

INSTALLATION IN TRENCH – All direct–buried cables shall be installed at a depth of at least 30 inches in the following order:

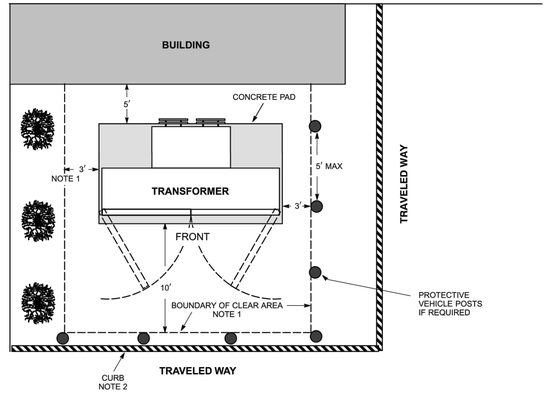
1. Ensure that the bottom of the trench is well–tamped and free of rocks.
2. Install the conduit, gluing all couplings.
3. Install secondaries and other utility cables or conduits in the trench.
4. Backfill with 12 inches clean fill not to contain stones larger than 2 inches in maximum diameter.
5. Install cable warning tape 12 inches over the conduit.
6. Fill in the remainder of the trench with native backfill.
7. Install pull line, including 10 feet of slack, and secure to conduit plug at each end of conduit run.



CROSS SECTION OF JOINT TRENCH

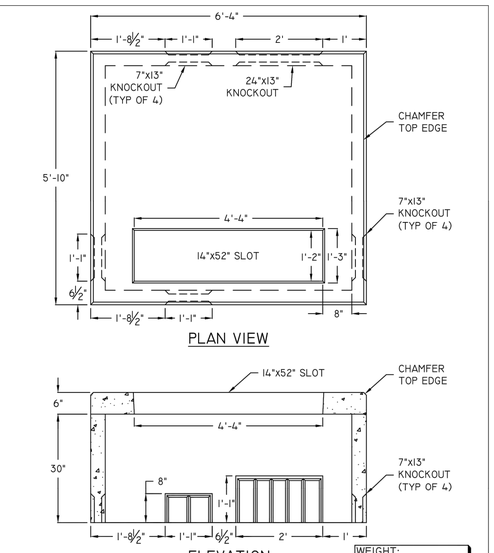
Notes
1. The trench shall be backfilled immediately following placement of the conduit.
2. 1/4–inch–diameter nylon pull line and plastic conduit plugs to be supplied and installed by contractor.

ORIGINAL 6/24/98	SINGLE–PHASE PRIMARY CABLE INSTALLATION DIRECT–BURIED – IN CONDUIT		CT/MA	
APPROVED 12/18/00	NORTHEAST UTILITIES	CONSTRUCTION STANDARD	DTR 50.103	3



Notes
1. To inspect, provide access, operate elbow connectors and ventilate the transformer, the above specified clear area distances to buildings or shrubs shall be maintained. The distance from the building is to the concrete transformer pad. Property line shall be considered an obstruction, since fences, shrubs, etc. may be installed at a future date by adjacent property owners. Because of the possibility of cooling fins overhanging the pad, side clearances to be increased to 5 feet for transformers 1000 kVA and larger.
2. If no curb exists, or transformer is located closer than 10 feet to the traveled way, protective vehicle posts (●) shall be installed as specified in **DTR 42.061**.
3. Top of transformer pad shall be installed 3 inches above final grade.
4. Transformer shall not be located on steep grades where access to or elbow operation is made difficult.
5. Transformer shall meet the minimum distances to doors, windows, fire escapes, air intakes and walls as specified in **DTR 42.061**.
6. Transformer ***is not*** to be located with its doors facing the building.
7. Refer to **DTR 58.301** for specific instructions on the installation of the transformer pad.
8. Refer to **DSEM Section 06.32** for information on environmental considerations.

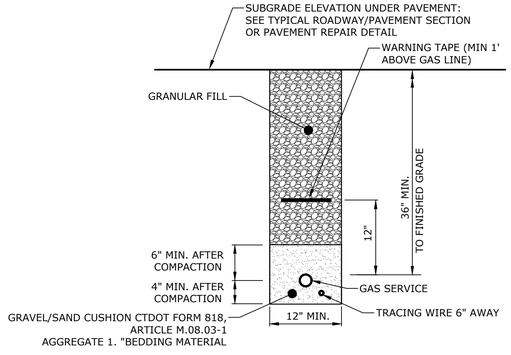
ORIGINAL 4/10/91	PAD–MOUNTED TRANSFORMERS LOCATION TO BUILDINGS AND ROADWAYS			
APPROVED 1/25/02	NORTHEAST UTILITIES	CONSTRUCTION STANDARD	DTR 42.047	6



WEIGHT:
SLAB TOP = 2,630LBS
BASE = 3,165LBS

DESIGN NOTES:
1. CONCRETE - 5,000 PSI, 28 DAYS
2. REINFORCING STEEL CONFORMS TO LATEST ASTM A615 GRADE 60
3. H-20 DESIGN LOADING PER AASHTO HS-20-44
4. MEETS ALL PROVISIONS OF NORTHEAST UTILITIES SERVICE DWG NO. P-015

APPROVAL: SIGNATURE / DATE	P-015 TRANSFORMER PAD		SCALE: N.T.S.
			WEIGHT: 5,795 LBS
ARROW CONCRETE PRODUCTS PROGRESS IN PRECAST			DATE: 3/31/16
			DRAWN: JPW
560 SALMON BROOK STREET GRANBY, CT 06035 = (860) 653-5063 = www.arrow-concrete.com			DWG # -



NOTES:
1. ALL EXCAVATION WORK WILL BE IN ACCORDANCE WITH THE DIRECTION OF THE COMPANY AND IN COMPLIANCE WITH THE REGULATIONS OF THE AUTHORITIES HAVING JURISDICTION OVER THE STREETS, ALLEYS, RIGHT-OF-WAYS, OR PROPERTIES WHERE THE WORK IS TO BE EXECUTED.
2. PRIOR TO THE INSTALLATION OF THE PIPE, SAND PADDING SHALL BE INSTALLED, A MINIMUM OF 4" (MEASURED AFTER COMPACTION.)
3. SAND PADDING ABOVE THE GAS PIPE SHALL BE A MINIMUM OF 6" (MEASURED AFTER COMPACTION).
4. BACKFILL SHALL BE FREE OF LARGE STONES (6" DIAMETER) WITHIN 1' OF THE PIPE. IF THE MATERIAL REMOVED FROM THE TRENCH IS NOT SUITABLE FOR BACKFILL, REPLACEMENT FILL SHALL BE USED.
5. ALL GAS SERVICE INSTALLATIONS SHALL BE COORDINATED WITH EVERSOURCE.
6. ALL GAS SERVICES SHALL BE INSTALLED ACCORDING TO EVERSOURCE STANDARDS AND REQUIREMENTS.

GAS SERVICE TRENCH
NO SCALE

Tighe&Bond
1000 Bridgeport Avenue
Suite 320
Shelton, CT 06484
(203) 712-1100

STATE OF CONNECTION — ERIC W. LINDQUIST — LICENSED PROFESSIONAL ENGINEER — 4/9/24

STATE OF CONNECTICUT — ERIC W. LINDQUIST — LICENSED PROFESSIONAL ENGINEER — 4/9/24

TOWN SUBMISSION

64 Danbury Road

Fuller Development, LLC

Wilton, CT

MARK	DATE	DESCRIPTION
1	4/8/2024	RESPONSE TO TOWN COMMENTS

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DRAWN BY:	MDS
DESIGNED/CHECKED BY:	EWL
APPROVED BY:	JWB

DETAILS - 9

SCALE: AS SHOWN

C-609

Last Saved: 4/5/2024
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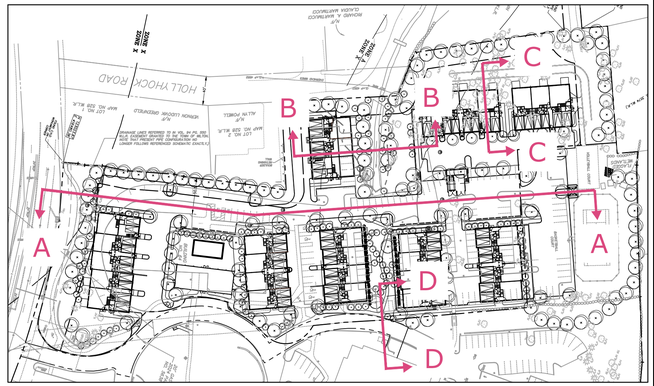
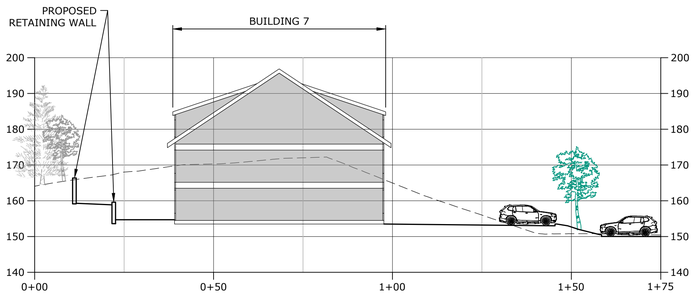
SECTION A-A
SCALE: 1"=20' C-701



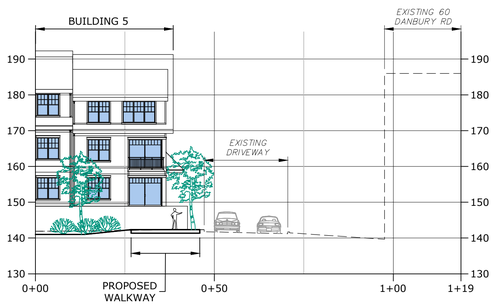
KEY MAP
SCALE: 1" = 100'

SECTION A-A
SCALE: 1"=20' C-701

SECTION B-B
SCALE: 1"=20' C-701



SECTION C-C
SCALE: 1"=20' C-701



SECTION D-D
SCALE: 1"=20' C-701

Tighe&Bond
1000 Bridgeport Avenue
Suite 320
Shelton, CT 06484
(203) 712-1100

STATE OF CONNECTICUT — ERIK W. LINDQUIST — LICENSED PROFESSIONAL ENGINEER — 4/8/24

STATE OF CONNECTICUT — JOHN W. BOSSE — LICENSED PROFESSIONAL GEOLOGIST — 4/8/24

TOWN SUBMISSION

64 Danbury Road

Fuller Development, LLC

Wilton, CT

MARK	DATE	DESCRIPTION
1	4/8/2024	RESPONSE TO TOWN COMMENTS

PROJECT NO:	F0173-001
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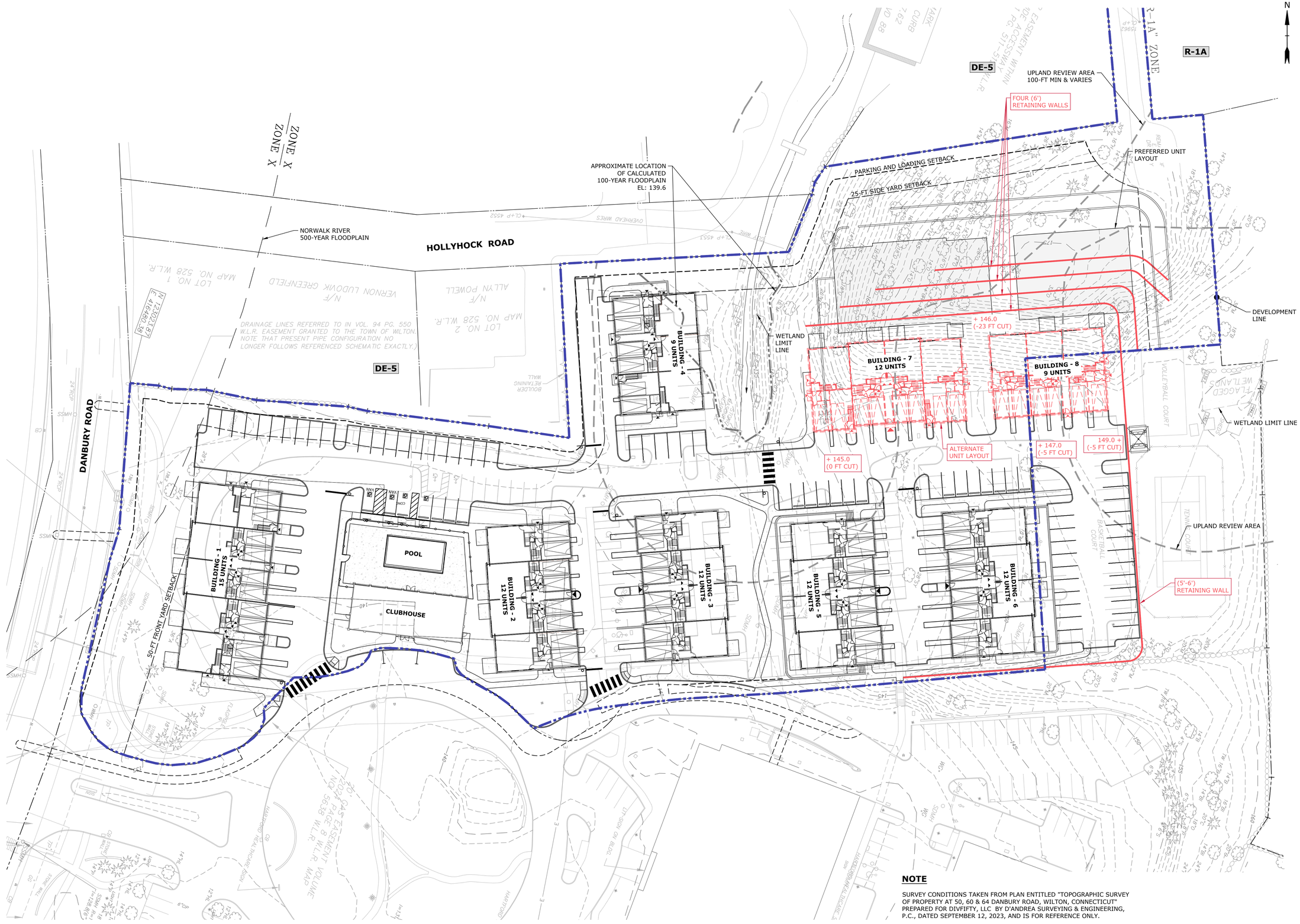
FILE:	F0173-001-C-701-SECT.dwg
DRAWN BY:	MDS
DESIGNED/CHECKED BY:	EWL
APPROVED BY:	JWB

CROSS-SECTIONS

SCALE: 1" = 20'

C-701

Last Saved: 4/8/2024
Plotted On:Apr 08, 2024-11:31am By: AClark
Tighe & Bond:J:\F\0173 Fuller\001 64 Danbury Rd\Drawings - Figures\AutoCAD\Sheet\F0173-001-C-701-SECT.dwg



NOTE

SURVEY CONDITIONS TAKEN FROM PLAN ENTITLED "TOPOGRAPHIC SURVEY OF PROPERTY AT 50, 60 & 64 DANBURY ROAD, WILTON, CONNECTICUT" PREPARED FOR DIVFIFTY, LLC BY D'ANDREA SURVEYING & ENGINEERING, P.C., DATED SEPTEMBER 12, 2023, AND IS FOR REFERENCE ONLY.

0 30' 60'

SCALE: 1" = 30'

Tighe&Bond
1000 Bridgeport Avenue
Suite 320
Shelton, CT 06484
(203) 712-1100

TOWN SUBMISSION

64 Danbury Road

Fuller Development, LLC

Wilton, CT

MARK	DATE	DESCRIPTION

PROJECT NO:	F0173-001
DATE:	04/18/2024
FILE:	F0173-001-C-101-SITE-2.dwg
DRAWN BY:	MDS
DESIGNED/CHECKED BY:	EWL
APPROVED BY:	JWB

ALTERNATIVE
SITE PLAN STUDY

SCALE: 1" = 30'

C-101A

Last Saved: 4/18/2024
Plotted On: Apr 18, 2024-2:28pm By: ELindquist
Tighe & Bond: J:\F\F0173 Fuller\001 64 Danbury Rd\Drawings_Figures\AutoCAD\Sheet\F0173-001-C-101-SITE-2.dwg

April 9, 2024

April 1934 Aerial Image
(northeastern corner of the present-day Property highlighted)

Credit: Fairchild Aerial Survey Co., Connecticut Air National Guard
Source: State Archives, Connecticut State Library (retrieved April 9, 2024)

April 11, 1991 Aerial Image

Credit: U.S. Geological Survey
Source: Google Earth (retrieved April 9, 2024)

Nonnative Invasive Plant Species Management Plan

for

Fuller Development
64 Danbury Road
Wilton, CT

(Inland Wetlands Application - Town of Wilton Inland Wetlands)

Date: December 21, 2023

Prepared By: Environmental Land Solutions, LLC
Landscape Architecture & Environmental Planning
8 Knight Street, Suite 203, Norwalk, CT 06851
Tel: (203) 855-7879 Fax: (203) 855-7836

Nonnative invasive plants are a threat to natural plant communities throughout Connecticut. Managing invasive plant populations is important to reduce negative impacts to native plant communities. Early detection and action is key in any management plan. This plan is intended to provide a framework and guide to reduce these plants during and after the proposed site work associated residential development. Both non-chemical and chemical means of control have been incorporated for this plan. The choice of control measures depends on the size and nature of the infestation. If dealt with early enough, invasive plant problems can often be eliminated by non-chemical methods. However, a herbicide-based approach may be required to control an infestation that has become well established and widespread. The base source information has come from the Plant Conservation Alliance's Alien Plant Working Group and Connecticut Invasive Plant Working Group.

OBJECTIVES FOR CONTROL

Management objectives for targeted species list below will involve detection and removal within the planted wetland buffer and proposed disturbances areas. Control methods should be combined into an integrated management system for the best long-term control of the plants and areas shall be monitored for a minimum of **five** consecutive growing seasons to detect new germination or respouting of nonnative invasive plants. A monitoring report will be prepared and submitted to the Inland Wetlands Agency twice a year to review the efficiency for the management and reevaluate if other management techniques are needed to be employed.

TARGET AREAS

Two primary target existing stands of nonnative invasive plants are targeted to be removed in the following locations.

1. The stand of Japanese Knotweed (*Fallopia japonica*) adjacent to the volleyball court.

2. Norway Maple (*Acer platanoides*) and Winged Euonymus (*Euonymous alatus*) removal on the west side of Copt's Brook, and a 50x50' area on the east side of Copt's Brook.

TARGET SPECIES

Listed below are the predominate existing nonative invasive species identified on the site and targeted for removal. This list does not preclude expanding this list, if additional plants on the "Connecticut Invasive Plant List" are found. When additional plants are identified they should be added to the management plan.

LATIN NAME	COMMON NAME
Woody Shrubs/*Tree*	
Acer platanoides	Norway Maple
Ailianthus altissma	Tree of Heaven

Rosa multiflora	Multiflora Rose
Berberis thunbergii	Japanese Barberry
Euonymous alatus	Winged Euonymous
Lonicera tatarica	Tartarian Honeysuckle
Lonicera morrowii	Morrow's Honeysuckle

Vines

Celastrus orbiculatus	Asiatic Bittersweet

Herbaceous perennials/annuals (Plans with rhizomous roots)

Fallopia japonica	Japanese knotweed

PRE-CONSTRUCTION PROTOCOL

Meet and identify plants to be targeted for removal. Protection to adjacent existing native plants will provided. Provide plant identification guide book at job site office.

GENERAL REMOVAL PROTOCOL

1. Hand pulling
2. Mechanical grubbing out of root collar and roots
3. Cutting stems & paint with an herbicide.

MANAGEMENT OPTIONS #1 - Woody plants and vines

Mechanical and chemical control methods are the most widely used methods for controlling invasive plant. Frequent, repeated cutting or mowing at the rate of three to six times per growing season, for two to four years, has been shown to be effective control strategy. In high quality natural communities, cutting of individual plants is preferred to site mowing to minimize habitat disturbance. Various herbicides have been used successfully in controlling target plants but, because of the long-lived supply of seed in the soil, follow-up treatments are likely to be necessary. Application of systemic herbicides (e.g., glyphosate) directly to freshly cut stems or to regrowth may be the most effective methods, especially if conducted late in the growing season.

Vines shall be controlled by cutting and applying herbicide by paint methods. Cut and paint method shall be performed twice a year, once in June and again in September.

MANAGEMENT OPTIONS #2 - Japanese Knotweed

Established stands of Japanese Knotweed are difficult to eradicate even with repeated glyphosate treatments. Adequate control is usually not possible unless the entire stand of knotweed is treated (otherwise, it will re-invade via creeping rootstocks from untreated areas). However, glyphosate treatments will greatly weaken the plant and prevent it from dominating a site. The follow schedule will be followed.

1. Late June – Cut or mow down stalks.
2. Allow Knotweed to regrow.
3. After August 1, spray Knotweed with (glyphosate) at the suggested manufactures rate. Note in the wetland and adjacent river areas a approved herbicide such as "Rodeo" will be implemented.

MONITORING REPORT

Field reports shall be submitted twice year to the town staff. Site visits and reports shall be performed during May (preferably with the contractor) after the plants beginning to emerge and again in October. Each report shall note the size of the growth area, approximate number of plants, the conditions of the plant and the methods used for control since the last field report. Follow up reporting shall be done for five full calendar years after control has begun.

MAINTENANCE AND MONITORING PLAN (POST CONSTRUCTION)

A. General Seasonal Maintenance:
   a. Inspection areas for erosion.
   b. Any obvious damage to grass or to the swales bottom soil bed should be repaired immediately. Reseeding bare areas with the specified seed mixture.
   c. Removal of invasive nonnative plant species (by hand pulling or spot herbicide treatments).
   d. Remove litter monthly from as needed.
   e. Seed bare areas with the specified seed mixture, on the approved planting plans.
   f. Remove dead and diseased plant material as needed.

A. Wetlands, Watercourses, and Their Buffers - Monitoring Plan

The wetlands and watercourses on the site do not require management with the exception of nonnative invasive species management control and routine seasonal landscaping such as that listed below. Any maintenance work within a regulated area that is not to be completed by hand shall be reviewed with the Town of Wilton Inland Wetlands Agency staff prior to initiating such work.

1. *Invasive Nonnative Species Control:* Monthly inspect wetland creation and buffer areas for non-native invasive species (Japanese barberry, Burningbush, Asiatic bittersweet, Mile-a-Minute Weed, and Porcelainberry) during the growing season. When such species are identified, remove plants by hand pulling, cutting, or spot herbicide treatments. Do not remove pulled or cut nonnative invasive plants from the site until dead. Except for tuberous plants such as Japanese Knotweed, nonnative invasive plants pulled or cut shall be left on the ground surface in a sunny location for their roots to dry. Tuberous weed plants shall be left soil free in the sun on an impervious barrier (such as black plastic, driveways and walks) until dead so that they do not re-sprout.

2. *Deer browsing:* Spray newly installed woody plants with a deer repellant at time of

installation and continue as needed to insure good plant growth.

3. *Reseeding:* Reseed exposed and thinly vegetated wetland creation and buffer areas with the specified seed mixture noted on the approved site plans.

4. *Watering:* Water new plantings as needed throughout the first full growing season.

5. *Fertilizers:* Do not fertilize wetland creation or buffer areas.

6. *Litter:* Removal of litter monthly and as needed from the wetland creation area and buffer areas.

7. *Hazardous Plants:* Removal of hazardous plants that pose a safety concern as needed. If trees are required to be taken down, leave their trunks, branches, and leaves within the wetland creation and buffer areas as course woody debris as long as it does not create a flooding concern.

8. *Dead and Diseased Plants:* Under the observation of a Professional Wetland Scientist, removed dead and diseased plants that are likely to have an adverse impact to adjacent vegetation.

9. *Drainage Structures:* Maintain drainage structures as required (i.e.; removal of sediments) to maintain n proper working order.

10. *Drainage Channels*: If rills or gullies form, under direction of Landscape Architect and approval of local inland wetlands agency staff, fine grade smooth and seed with a native seed mixture or install native field stone in naturalistic manner for stabilization purposes.

DISPOSAL OF INVASIVE PLANTS

Plant disposals must follow "Guidelines for Disposal of Terrestrial Invasive Plants", produced by DEEP and UCONN, 2011.

References:

1. Connecticut Invasive Plant Management Calendar by Connecticut Invasive Plan Group
2. Guideline for Best Management Practices for movement of topsoil and gravel fill, mulch and equipment in Connecticut, by Connecticut Invasive Plan Group
3. Guidelines for Disposal of Terrestrial Invasive Plants, Produced by DEEP and UCONN 2011

End.