

PIERSON SCHOOL RESIDENTIAL REDEVELOPMENT

75 EAST MAIN STREET
CLINTON, CONNECTICUT
AUGUST 27, 2024

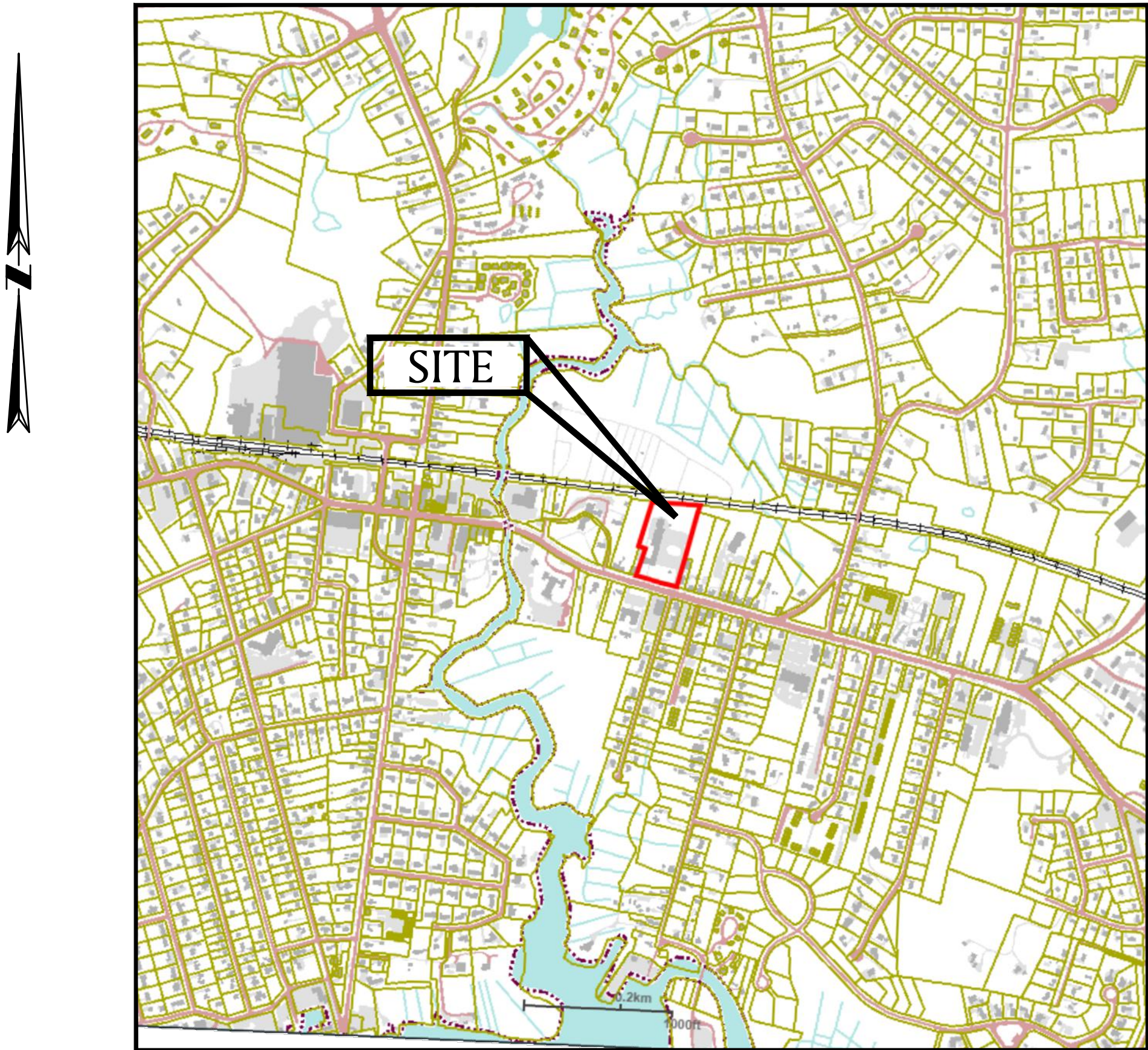
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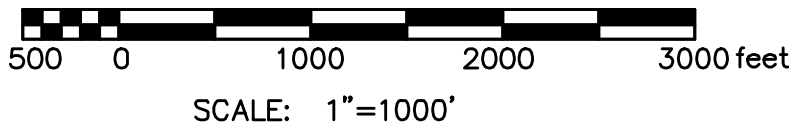
ZONING TABLE			
EMS-VD ZONE	REQUIRED	EXISTING	PROPOSED
LOT AREA	3 ACRES	3.62 ACRES	3.62 ACRES
LOT FRONTAGE	60 FT	275 FT	275 FT
FRONT YARD	40 FT	99 FT	99 FT
REAR YARD	30 FT	115 FT	115 FT
SIDE YARD	30 FT	14 FT*	NO CHANGE
LOT COVERAGE	20% (MAX)	47.2%*	47.7%**

PROPOSED USE: SENIOR HOUSING, SPECIAL EXCEPTIONS REQUIREMENTS.

*EXISTING NON-CONFORMANCE
**REQUEST RELIEF OF THIS REQUIREMENT UNDER CGS. 8-30G AFFORDABLE HOUSING LAND USE APPEAL PROCEDURE.



SITE MAP



ISSUED FOR PERMITTING

PREPARED FOR:

XENOLITH PARTNERS, LLC
PO BOX 413
BEDFORD, NY 10506

PREPARED BY:

BSC GROUP 
BUILD | SUPPORT | CONNECT
665 Winding Brook Drive
Glastonbury, Connecticut
06033
860 652 8227

EROSION & SEDIMENTATION CONTROL NOTES:

- DO NOT PROCEED WITH THE WORK UNTIL ALL E&S CONTROL MEASURES ARE IN-PLACE AND HAVE BEEN INSPECTED AND APPROVED BY THE ENGINEER.
- THE MEASURES SPECIFIED HEREON ARE THE MINIMUM REQUIREMENTS FOR E&S CONTROL AND ARE SHOWN IN GENERAL SIZE AND LOCATION ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL E&S CONTROL MEASURES ARE CONFIGURED AND CONSTRUCTED IN A MANNER THAT WILL MINIMIZE EROSION OF SOILS AND PREVENT THE TRANSPORT OF SEDIMENTS AND OTHER POLLUTANTS TO ANY RESOURCE AREAS. PROVIDE ADDITIONAL E&S MEASURES AS REQUIRED TO CONTROL EROSION AND SILTATION THROUGHOUT THE DURATION OF THE CONSTRUCTION AS CONDITIONS DICTATE AND/OR AS DIRECTED BY THE OWNER OR THE ENGINEER.
- MONITOR AND INSPECT ALL E&S MEASURES IN AN ONGOING MANNER THROUGHOUT THE WORK AND TAKE CORRECTIVE MEASURES, AS REQUIRED, TO MINIMIZE EROSION OF SOILS AND PREVENT THE TRANSPORT OF SEDIMENTS AND OTHER POLLUTANTS TO ANY RESOURCE AREAS.
- ANY EROSION AND SEDIMENTATION MEASURE IMPLEMENTED BEYOND THAT SHOWN HEREON SHALL CONFORM TO APPLICABLE SECTIONS OF THE STATE OF CONNECTICUT'S 2024 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL.
- ANY STOCKPILED MATERIAL SHALL BE SUBJECT TO EROSION CONTROL MEASURES THAT INCLUDE A MINIMUM OF SILT FENCE OR HAY BALE BARRIER COVER STOCKPILES IF SIGNIFICANT RAINFALL IS PREDICTED.
- PROVIDE TEMPORARY SEEDING WITH MULCH ON ALL EXPOSED SOIL AREAS WHERE WORK WILL BE SUSPENDED FOR LONGER THAN 30 DAYS. APPLY SEED AND MULCH WITHIN THE FIRST 7 DAYS OF SUSPENDING WORK. WHEN SEEDING IS NOT POSSIBLE DUE TO SEASONAL WEATHER CONDITIONS OR OTHER FACTORS, PROVIDE TEMPORARY STRUCTURAL SOIL PROTECTION SUCH AS MULCH, WOODCHIPS, EROSION CONTROL MATTING, OR COMPOST.
- ALL TEMPORARY SLOPES IN EXCESS OF 15% SHALL BE STABILIZED WITH EROSION CONTROL MATTING OR APPROVED EQUIVALENT.
- NO RUNOFF SHALL BE ALLOWED TO ENTER ANY STORMWATER SYSTEM OR EXIT THE SITE PRIOR TO TREATMENT FOR SEDIMENT REMOVAL.
- THE CONTRACTOR SHALL MAINTAIN A CLEAN CONSTRUCTION SITE AND SHALL NOT ALLOW THE ACCUMULATION OF RUBBISH OR CONSTRUCTION DEBRIS. ALL TRASH SHALL BE CLEANED ON A DAILY BASIS AND THE SITE SHALL BE LEFT IN A NEAT CONDITION AT THE END OF EACH WORK DAY.
- TAKE ALL NECESSARY PRECAUTIONS TO AVOID THE SPILLAGE OF FUEL OR OTHER POLLUTANTS AND ADHERE TO ALL APPLICABLE POLICIES AND REGULATIONS RELATED TO SPILL PREVENTION, CONTROL, AND RESPONSE.
- FOR DUST CONTROL, PERIODICALLY MOISTEN EXPOSED SOIL SURFACES WITH WATER AND MAINTAIN ADEQUATE MOISTURE LEVELS.
- SWEEP ADJACENT ROADWAYS AND PARKING LOTS IF MUD OR SOIL IS TRACKED ON TO THEM, OR AS DIRECTED BY THE ENGINEER. SHOULD THE CONSTRUCTION ENTRANCE FAIL TO PREVENT THE TRACKING OF SOILS OR SEDIMENT OFF OF THE PROJECT SITE, A WASHING RACK SHALL BE INSTALLED ALONG WITH APPROPRIATE MEASURES TO COLLECT RESULTING WASTEWATER.
- DRAINAGE STRUCTURE FILTER INSERTS SHALL BE INSTALLED AND CLEANED/CHANGED PER THE MANUFACTURER'S RECOMMENDATIONS. UNITS SHALL BE INSTALLED COMPLETELY AROUND INLETS OF EXISTING AND PROPOSED DRAINAGE STRUCTURES SUCH THAT NO RUNOFF IS ALLOWED TO ENTER DRAINAGE SYSTEMS WITHOUT FILTERING THROUGH THE DEVICE.

SUGGESTED CONSTRUCTION SEQUENCE:

- CONDUCT A PRE-CONSTRUCTION MEETING WITH THE OWNER AND ENGINEER PRIOR TO ANY CONSTRUCTION ACTIVITY.
- INSTALL CONSTRUCTION ENTRANCE(S) AND PLACE FILTER INSERTS IN EXISTING CATCH BASINS.
- INSTALL PERIMETER E&S CONTROLS AND REQUEST PRE-CONSTRUCTION INSPECTION FROM THE ENGINEER.
- THE LIMITS OF ALL PROPOSED GRADING AND ACTIVITIES WITHIN 50 FEET OF THE ONSITE WETLANDS SHALL BE STAKED.
- FOLLOWING THE ENGINEER'S APPROVAL OF INSTALLED E&S CONTROLS AND STAKING, COMMENCE CONSTRUCTION OPERATIONS.
- AT THE CONCLUSION OF CONSTRUCTION, COMPLETE THE INSTALLATION OF POST-CONSTRUCTION SITE STABILIZATION MEASURES AS SHOWN ON THE DRAWINGS.

NOTE: THE CONTRACTOR MAY MODIFY THE SUGGESTED CONSTRUCTION SEQUENCE INDICATED ABOVE, PROVIDED A REVISED SEQUENCE IS SUBMITTED FOR REVIEW AND APPROVED BY THE OWNER AND ENGINEER.

TEMPORARY E&S MEASURES MAINTENANCE SCHEDULE		
E&S MEASURE	MAINTENANCE MEASURES	SCHEDULE
FILTER INSERTS IN DRAINAGE SYSTEM	CLEAN CATCH BASIN GRATE, REMOVE SEDIMENT/DEBRIS FROM FILTER INSERTS	WEEKLY & WITHIN 24 HOURS AFTER STORM GENERATING A DISCHARGE
HAY BALES/ SILT FENCE BARRIER	REPAIR/REPLACE WHEN FAILURE OBSERVED, REMOVE SILT WHEN ACCUMULATION REACHES APPROX. HALF HEIGHT OF BARRIER	WEEKLY & WITHIN 24 HOURS AFTER STORM GENERATING A DISCHARGE
TARP TEMPORARY STOCKPILES	ENSURE TARP IS SECURED OVER STOCKPILE AT THE END OF EACH DAY	DAILY
CONSTRUCTION ENTRANCE	SWEEP PAVED ROADWAY ADJACENT TO SITE ENTRANCE AS NECESSARY, REFRESH SILT AS NECESSARY, REMOVE SILTED GRAVEL	WEEKLY
MOISTEN EXPOSED SOILS	PERIODICALLY MOISTEN EXPOSED SOIL SURFACES WITH WATER ON UNPAVED TRAVELWAYS AND KEEP TRAVELWAYS DAMP	DAILY

SITE PREPARATION NOTES:

- CONTRACTOR SHALL NOTIFY 'CALL BEFORE YOU DIG' (1-800-922-4455) AND VERIFY UTILITY MARK-OUT WITH THE OWNER PRIOR TO THE INITIATION OF ANY SITE DISTURBANCE.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR VERIFYING THE LOCATION AND NATURE OF ALL SUBSURFACE UTILITIES AT THE PROJECT WHICH MAY BE AFFECTED BY THE WORK. COORDINATE WITH RESPECTIVE UTILITY OWNERS AND PERFORM VERIFICATION OF TYPE, LOCATION AND INVERTS AS REQUIRED.
- NOTIFY THE ENGINEER OF ANY AND ALL DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE CONTRACT DOCUMENTS BEFORE PROCEEDING WITH THAT PORTION OF THE WORK.
- THE LOCATIONS OF EXISTING SITE FEATURES AS SHOWN HAVE BEEN OBTAINED FROM MAPS, SURVEYS, FIELD INSPECTIONS, AND OTHER AVAILABLE INFORMATION. THEY MUST BE CONSIDERED APPROXIMATE BOTH TO LOCATION, SIZE, AND AS-BUILT CONDITION AND ARE PROVIDED FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING ACTUAL FIELD CONDITIONS.
- THE DIMENSIONS SHOWN ON THE PLANS, INCLUDING THE INTENDED DIMENSIONS OF THE WORK, MAY VARY FROM ACTUAL EXISTING CONDITIONS IN THE FIELD. THE CONTRACTOR SHALL TAKE APPROPRIATE MEASUREMENTS TO VERIFY ALL DIMENSIONS SHOWN ON THE DRAWINGS AS WELL AS OTHER DIMENSIONS HE MAY DEEM APPROPRIATE TO FACILITATE THE COMPLETION OF THE WORK. NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE CONTRACT DOCUMENTS BEFORE PROCEEDING WITH THAT PORTION OF THE WORK.
- IMPLEMENTING WORKER SAFETY AND/OR HEALTH PROTOCOLS THAT ADDRESS COMPLIANCE WITH RULES, LAWS, AND REGULATIONS PERTAINING TO CONSTRUCTION SAFETY AND/OR THE POTENTIAL AND/OR ACTUAL RISK OF EXPOSURE TO SITE-SPECIFIC PHYSICAL OR CHEMICAL HAZARDS IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.
- WHERE REMOVE AND DISPOSE (R&D) OF ITEMS IS NOTED ON THE PLANS, ITEM(S) SHALL BE DISPOSED OF IN A LEGAL MANNER OFF-SITE.
- DURING THE COURSE OF THE WORK, PROVIDE SAFETY BARRIERS, INCLUDING BUT NOT LIMITED TO, FENCING, BARRICADES, AND SIGNAGE AS REQUIRED TO PREVENT UNAUTHORIZED ENTRY TO THE WORK AREA AT ALL TIMES.
- ALL CONSTRUCTION FENCING AND WARNING SIGNS SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION. INSTALL CONSTRUCTION FENCING AT THE LIMIT OF WORK.
- PRIOR TO THE TERMINATION, ABANDONMENT, OR REMOVAL OF ANY UTILITY, VERIFY THAT APPLICABLE NOTIFICATIONS HAVE BEEN MADE TO THE UTILITY OWNER/OPERATOR AND THAT THE UTILITY HAS BEEN PROPERLY TERMINATED, CAPPED, OR PLUGGED AS REQUIRED.
- PROTECT ALL IMPROVEMENTS NOT INCLUDED IN THE SCOPE OF SITE DEMOLITION. ANY IMPROVEMENT WHICH IS DAMAGED SHALL BE REPAIRED OR REPLACED IN-KIND TO THE OWNER'S SATISFACTION.
- UNLESS OTHERWISE INDICATED, ALL DISTURBED AREAS SHALL BE RESTORED WITH SIX (6) INCHES OF LOAM, SEEDED, FERTILIZED, AND MULCHED. PROVIDE ADDITIONAL EROSION CONTROLS AS REQUIRED.

LAYOUT & MATERIALS NOTES:

- NOTIFY 'CALL BEFORE YOU DIG' (1-800-922-4455) AND VERIFY UTILITY MARK-OUT WITH THE OWNER PRIOR TO THE INITIATION OF ANY SITE DISTURBANCE.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR VERIFYING THE LOCATION AND NATURE OF ALL SUBSURFACE UTILITIES AT THE PROJECT WHICH MAY BE AFFECTED BY THE WORK. COORDINATE WITH RESPECTIVE UTILITY OWNERS AND PERFORM VERIFICATION OF TYPE, LOCATION AND INVERTS AS REQUIRED.
- NOTIFY THE ENGINEER OF ANY AND ALL DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE CONTRACT DOCUMENTS BEFORE PROCEEDING WITH THAT PORTION OF THE WORK.
- THE LOCATIONS OF EXISTING SITE FEATURES AS SHOWN HAVE BEEN OBTAINED FROM MAPS, SURVEYS, FIELD INSPECTIONS, AND OTHER AVAILABLE INFORMATION. THEY MUST BE CONSIDERED APPROXIMATE BOTH TO LOCATION, SIZE, AND AS-BUILT CONDITION AND ARE PROVIDED FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING ACTUAL FIELD CONDITIONS.
- THE DIMENSIONS SHOWN ON THE PLANS, INCLUDING THE INTENDED DIMENSIONS OF THE WORK, MAY VARY FROM ACTUAL EXISTING CONDITIONS IN THE FIELD. THE CONTRACTOR SHALL TAKE APPROPRIATE MEASUREMENTS TO VERIFY ALL DIMENSIONS SHOWN ON THE DRAWINGS AS WELL AS OTHER DIMENSIONS HE MAY DEEM APPROPRIATE TO FACILITATE THE COMPLETION OF THE WORK. NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE CONTRACT DOCUMENTS BEFORE PROCEEDING WITH THAT PORTION OF THE WORK.
- IMPLEMENTING WORKER SAFETY AND/OR HEALTH PROTOCOLS THAT ADDRESS COMPLIANCE WITH RULES, LAWS, AND REGULATIONS PERTAINING TO CONSTRUCTION SAFETY AND/OR THE POTENTIAL AND/OR ACTUAL RISK OF EXPOSURE TO SITE-SPECIFIC PHYSICAL OR CHEMICAL HAZARDS IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.
- ENGAGE A CONNECTICUT-LICENSED LAND SURVEYOR TO PERFORM LAND-SURVEYING SERVICES REQUIRED, INCLUDING, BUT NOT LIMITED TO VERIFICATION AND LAYOUT OF PROPOSED IMPROVEMENTS, DIMENSIONS, AND ELEVATIONS. REPORT DISCREPANCIES TO THE ENGINEER.
- UNLESS OTHERWISE INDICATED, ALL DISTURBED AREAS SHALL BE RESTORED WITH SIX (6) INCHES OF LOAM, SEEDED, FERTILIZED, AND MULCHED. PROVIDE ADDITIONAL EROSION CONTROLS AS REQUIRED. BLEND RESTORED AREAS INTO ADJACENT UNDISTURBED AREAS.
- THE CROSS-SLOPE OF ANY SIDEWALK, WALKWAY, OR OTHER PEDESTRIAN SURFACE SHALL NOT BE STEEPER THAN 1:48 (2%).
- ACCESSIBLE ROUTES SHALL COMPLY WITH CONNECTICUT BUILDING CODE. THE RUNNING SLOPE OF WALKING SURFACES SHALL NOT BE STEEPER THAN 1:20 (5%). THE CROSS SLOPE OF A WALKING SURFACE SHALL NOT BE STEEPER THAN 1:48 (2%).
- DIMENSIONS INDICATED ARE TO FACE OF CURB, PAVEMENT EDGE, EDGE OR CENTERLINE OF IMPROVEMENT, OR AS OTHERWISE NOTED.
- PROVIDE FOR THE LAYOUT AND STAKING/MARKING OF THE PROPOSED LOCATION OF ALL PROPOSED SITE IMPROVEMENTS, INCLUDING FURNISHINGS. OBTAIN ENGINEER'S APPROVAL OF THE LAYOUT PRIOR TO PROCEEDING WITH THE WORK.
- UNLESS OTHERWISE INDICATED, LINES ARE PARALLEL OR PERPENDICULAR TO LINE FROM WHICH THEY ARE MEASURED.

GRADING & DRAINAGE NOTES:

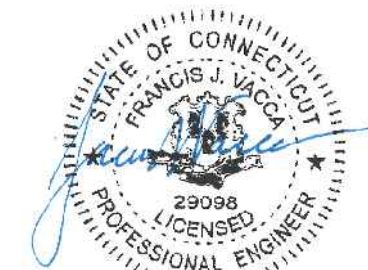
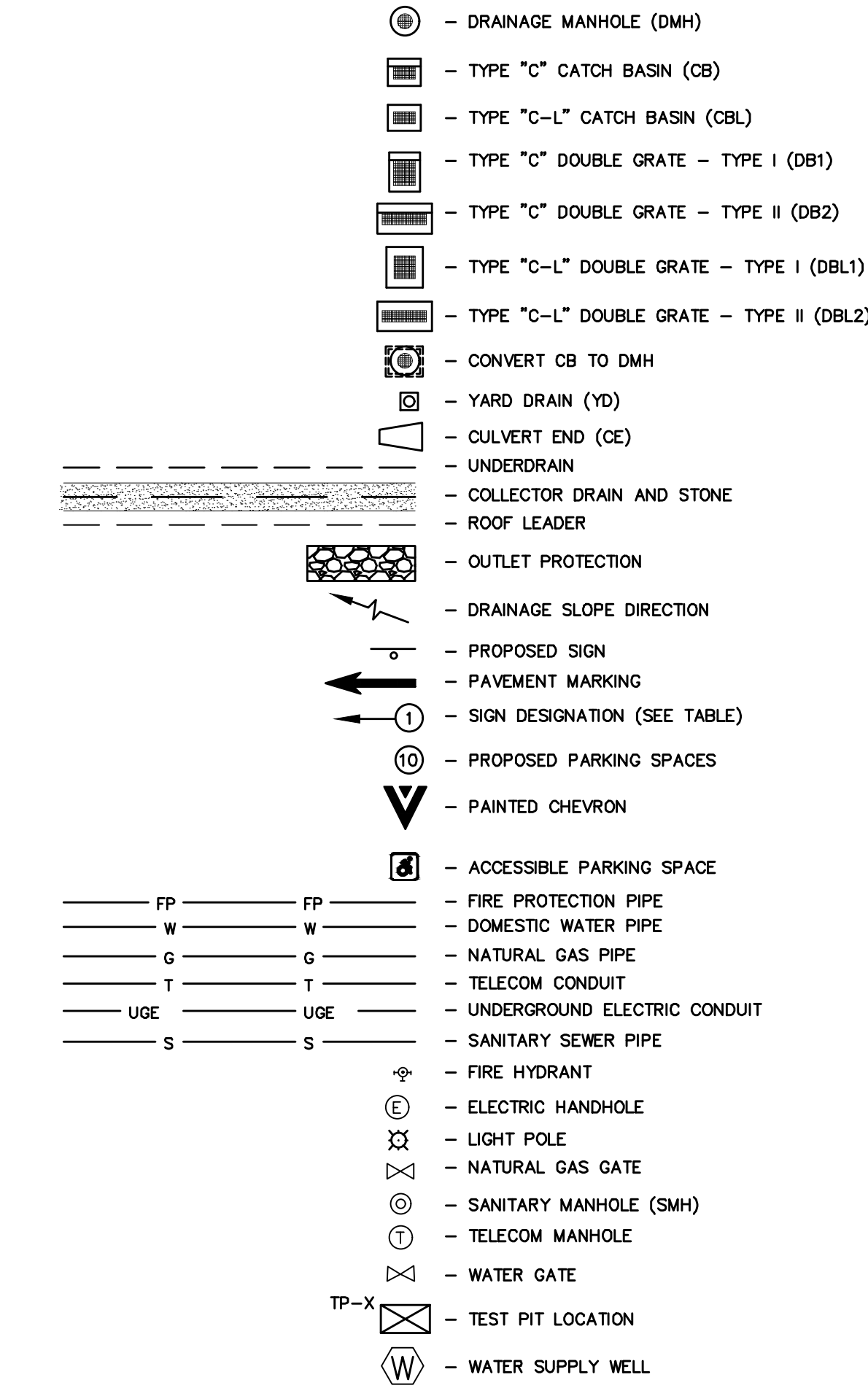
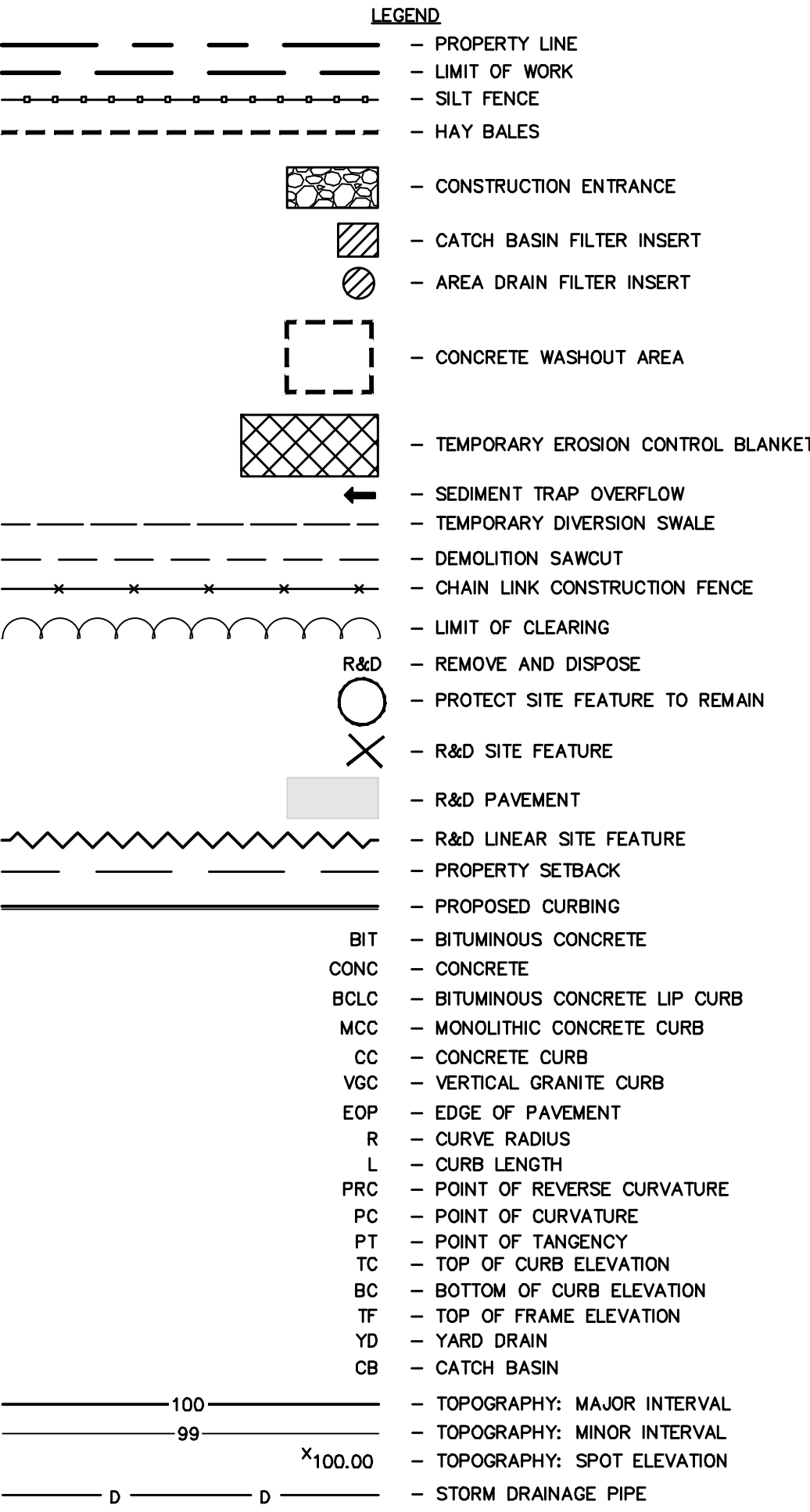
- CONTRACTOR SHALL NOTIFY 'CALL BEFORE YOU DIG' (1-800-922-4455) AND VERIFY UTILITY MARK-OUT WITH THE OWNER PRIOR TO THE INITIATION OF ANY SITE DISTURBANCE.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR VERIFICATION OF THE LOCATION AND NATURE OF ALL SUBSURFACE UTILITIES AT THE PROJECT WHICH MAY BE AFFECTED BY THE WORK. COORDINATE WITH RESPECTIVE UTILITY OWNERS AND PERFORM VERIFICATION OF TYPE, LOCATION AND INVERTS AS REQUIRED.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY AND ALL DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE CONTRACT DOCUMENTS BEFORE PROCEEDING WITH THAT PORTION OF THE WORK.
- THE LOCATIONS OF EXISTING SITE FEATURES AS SHOWN HAVE BEEN OBTAINED FROM MAPS, SURVEYS, FIELD INSPECTIONS, AND OTHER AVAILABLE INFORMATION. THEY MUST BE CONSIDERED APPROXIMATE BOTH TO LOCATION, SIZE, AND AS-BUILT CONDITION AND ARE PROVIDED FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING ACTUAL FIELD CONDITIONS.
- THE DIMENSIONS SHOWN ON THE PLANS, INCLUDING THE INTENDED DIMENSIONS OF THE WORK, MAY VARY FROM ACTUAL EXISTING CONDITIONS IN THE FIELD. THE CONTRACTOR SHALL TAKE APPROPRIATE MEASUREMENTS TO VERIFY ALL DIMENSIONS SHOWN ON THE DRAWINGS AS WELL AS OTHER DIMENSIONS HE MAY DEEM APPROPRIATE TO FACILITATE THE COMPLETION OF THE WORK. DO NOT PROCEED WITH ANY ADJUSTMENT OR FIELD MODIFICATION UNTIL APPROVED BY THE ENGINEER. ENSURE COMPLIANCE WITH CONNECTICUT BUILDING CODE FOR ALL NEW CONSTRUCTION.
- ENGAGE A CONNECTICUT-LICENSED LAND SURVEYOR TO PERFORM LAND-SURVEYING SERVICES REQUIRED, INCLUDING, BUT NOT LIMITED TO VERIFICATION AND LAYOUT OF PROPOSED IMPROVEMENTS, DIMENSIONS, AND ELEVATIONS. REPORT DISCREPANCIES TO THE ENGINEER.
- UNLESS OTHERWISE INDICATED, ALL DISTURBED AREAS SHALL BE RESTORED WITH SIX (6) INCHES OF LOAM, SEEDED, FERTILIZED, AND MULCHED. PROVIDE ADDITIONAL EROSION CONTROLS AS REQUIRED. BLEND RESTORED AREAS INTO ADJACENT UNDISTURBED AREAS.
- PROPOSED GRADES INDICATE DESIGN INTENT. VERIFY ELEVATIONS AND MAKE ADJUSTMENTS TO MEET FIELD CONDITIONS. DO NOT PROCEED WITH ANY ADJUSTMENT OR FIELD MODIFICATION UNTIL APPROVED BY THE ENGINEER.
- VERIFY ALL GRADES AND SLOPES PRIOR TO CONCRETE PLACEMENT. REPORT DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.
- COMPLY WITH CONNECTICUT BUILDING CODE FOR ALL SITE CONSTRUCTION, INCLUDING HANDICAPPED ACCESSIBILITY.
- THE CROSS-SLOPE OF ANY SIDEWALK, WALKWAY, OR OTHER PEDESTRIAN SURFACE SHALL NOT BE STEEPER THAN 1:48 (2%).
- ACCESSIBLE ROUTES SHALL COMPLY WITH CONNECTICUT BUILDING CODE. THE RUNNING SLOPE OF WALKING SURFACES SHALL NOT BE STEEPER THAN 1:20 (5%). THE CROSS SLOPE OF A WALKING SURFACE SHALL NOT BE STEEPER THAN 1:48 (2%). GRADING CONTOURS AND SPOT GRADES INDICATE DESIGN INTENT. CONFIRM THE GRADE AND SLOPE OF NEW WORK BASED ON ACTUAL FIELD CONDITIONS BEFORE PROCEEDING WITH INSTALLATION. BRING ALL DISCREPANCIES TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING.
- RAMPS SHALL COMPLY WITH CT BUILDING CODE, REF. IBC SECTION 1010 AND ICC/ANSI A117.1, LATEST EDITION, CHAPTER 4, AND 406. GRADING CONTOURS AND SPOT GRADES INDICATE DESIGN INTENT. CONFIRM THE GRADE AND SLOPE OF NEW WORK BASED ON ACTUAL FIELD CONDITIONS BEFORE PROCEEDING WITH INSTALLATION. BRING ALL DISCREPANCIES TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING.
- DETECTABLE WARNINGS SHALL BE A MINIMUM OF 24-INCHES IN DEPTH. AT CURB RAMPS, DETECTABLE WARNING SHALL EXTEND THE FULL WIDTH OF THE RAMP AND BE INSTALLED 6-INCHES FROM THE CURB LINE AT THE RAMP BASE.
- GRADE TRANSITION BETWEEN TOPOGRAPHIC LINES AND SPOT GRADES SHALL BE UNIFORM UNLESS OTHERWISE INDICATED.
- UNLESS OTHERWISE INDICATED, BLEND TRANSITIONS IN ELEVATION BETWEEN NEW WORK AND AREAS TO REMAIN AT A MAXIMUM SLOPE OF 2H:1V AND RESTORE WITH SIX (6) INCHES OF LOAM AND SEED. PROVIDE ADDITIONAL EROSION CONTROLS AS REQUIRED. COORDINATE WITH ENGINEER IF DIMENSIONAL CONSTRAINTS REQUIRE STEEPER SLOPES.
- THE TOPS, RIMS, FRAMES, GRATES, AND COVERS (AS APPLICABLE) OF ALL UTILITY STRUCTURES THAT ARE TO REMAIN SHALL BE ADJUSTED TO MATCH FINAL GRADE IN A FLUSH CONDITION. ALL NEW UTILITY STRUCTURES SHALL BE INSTALLED WITH TOPS, RIMS, FRAMES, GRATES, AND COVERS (AS APPLICABLE) TO FINAL GRADE IN A FLUSH CONDITION.

PLANTING NOTES:

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR JUDGING THE FULL EXTENT OF WORK REQUIREMENTS INVOLVED. THIS RESPONSIBILITY INCLUDES, BUT IS NOT LIMITED TO, THE FOLLOWING: TRANSPORTATION, PURCHASE, TEMPORARY STORAGE AND MAINTENANCE OF PLANTS; PLANT RE-HANDLING PRIOR TO FINAL INSTALLATION; REMOVAL AND OFF-SITE DISPOSAL OF EXISTING LOAM DETERMINED BY THE ENGINEER TO BE UNACCEPTABLE; PURCHASE, TRANSPORT, AND SUPPLY OF LOAM.
- VERIFY ALL EXISTING UTILITY LINES PRIOR TO PLANTING AND REPORT ANY CONFLICTS TO THE OWNER OR HIS REPRESENTATIVE.
- TREE LOCATIONS SHOWN ARE APPROXIMATE AND SHOW DESIGN INTENT ONLY. TREE LOCATIONS TO BE COORDINATED IN THE FIELD WITH LANDSCAPE ARCHITECT.
- ALL PLANT MATERIAL SHALL CONFORM TO THE MINIMUM GUIDELINES ESTABLISHED BY THE AMERICAN STANDARD FOR NURSERY STOCK PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, INC.
- PLANT MATERIALS SHALL BEAR SAME RELATIONSHIP TO GRADE AS THEY BORE TO GRADE IN THE NURSERY.
- ALL TREES NOTED FOR CLEARING AND SELECTIVE PRUNING AND THINNING SHALL BE EXECUTED BY A LICENSED ARBORIST.
- THE CONTRACTOR SHALL CLEARLY MARK LIMITS OF CLEARING AND LIMITS OF SELECTIVE PRUNING AND THINNING, FOR REVIEW BY THE A/E PRIOR TO ANY CLEARING OPERATIONS.
- THE A/E RESERVES THE RIGHT TO ADJUST FINAL GRADES IN THE FIELD TO SAVE EXISTING VEGETATION.
- LOAM AND SEED ALL DISTURBED AREAS UNLESS OTHERWISE INDICATED.
- CAUTION SHALL BE USED NOT TO EXTEND MULCH LAYER ABOVE SOIL LEVEL AT TRUNKS/STEMS OF INSTALLED PLANT MATERIAL.
- PROVIDE FIVE (5) FOOT DIAMETER MULCH CIRCLE AROUND ALL INDIVIDUAL TREE PLANTINGS AND CONTINUOUS MULCH BED AROUND SHRUB PLANTINGS.

UTILITY NOTES:

- CONTRACTOR SHALL NOTIFY 'CALL BEFORE YOU DIG' (1-800-922-4455) AND VERIFY UTILITY MARK-OUT WITH THE OWNER PRIOR TO THE INITIATION OF ANY SITE DISTURBANCE.
- THE LOCATIONS OF EXISTING UTILITIES AS SHOWN ON THE PLANS MAY VARY FROM ACTUAL EXISTING CONDITIONS IN THE FIELD. COORDINATE WITH RESPECTIVE UTILITY OWNERS AND PERFORM VERIFICATION OF TYPE, LOCATION AND INVERTS AS REQUIRED. VERIFY ALL TIE-IN POINTS, ROUTING, CONFLICTS, CROSSINGS, AND BUILDING CONNECTION POINTS TO FACILITATE THE COMPLETION OF THE WORK.
- PERFORM EXPLORATORY EXCAVATIONS AS REQUIRED TO VERIFY THE AS-BUILT LOCATION OF EXISTING SUBSURFACE UTILITIES WHERE CROSSINGS OR OTHER POTENTIAL CONFLICTS ARE PRESENT.
- NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE CONTRACT DOCUMENTS BEFORE PROCEEDING WITH THAT PORTION OF THE WORK.
- THE TOPS, RIMS, FRAMES, GRATES, AND COVERS (AS APPLICABLE) OF ALL UTILITY STRUCTURES THAT ARE TO REMAIN SHALL BE ADJUSTED TO MATCH FINAL GRADE IN A FLUSH CONDITION. ALL NEW UTILITY STRUCTURES SHALL BE INSTALLED WITH TOPS, RIMS, FRAMES, GRATES, AND COVERS (AS APPLICABLE) TO FINAL GRADE IN A FLUSH CONDITION.
- ALL LIGHTING ELECTRICAL SUPPLIES SHALL BE INSTALLED IN MINIMUM 1-INCH PVC CONDUIT PER APPLICABLE SPECIFICATIONS. PLASTIC MARKING TAPE SHALL BE USED ON ALL CONDUIT RUNS.
- THE SCOPE OF ELECTRICAL FACILITIES SHOWN HEREON IS DIAGRAMMATIC. NOT ALL COMPONENTS OF EXISTING FACILITIES OR THE NEW CIRCUIT ARE SHOWN. CONTRACTOR SHALL ASSESS AND DOCUMENT EXISTING ELECTRICAL SERVICE AS TO CAPACITY AND OTHER PERTINENT PARAMETERS AS REQUIRED TO ACCOMMODATE THE NEW ELECTRICAL FACILITIES SHOWN HEREON. PROVIDE ALL REQUIRED BREAKERS, CONDUCTORS, GROUNDING, AND OTHER ANOLLARY COMPONENTS TO PROVIDE A NEW, COMPLETE CODE-COMPLIANT CIRCUIT.
- CONDUIT: RIGID PVC ELECTRICAL CONDUIT, NEMA TC 2 AND UL -651; FITTINGS AND CONDUIT BOODIES: PVC TO MATCH CONDUIT, NEMA TC-3. PRIMER/SOLVENT CEMENT: ASTM F886/ASTM D2564; PULL ROPE: 3/8-INCH DOUBLE BRAIDED, LOW STRETCH POLYESTER COMPOSITE ROPE.
- TRACER WIRE REQUIRED FOR TELECOMMUNICATIONS AND ELECTRIC ONLY. PROVIDE APPROPRIATE WIRE ACCESS POINTS.
- FOR TELECOMMUNICATIONS AND ELECTRIC, WARNING TAPE SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE UTILITY PROVIDER.
- SEAL ALL CONDUIT ENDS WITH BLANK DUCT PLUGS. SECURE PULL ROPE TO DUCT PLUG.
- ALTHOUGH NOT SHOWN ON THE DRAWINGS, PROVIDE FOR THE INSTALLATION OF ALL JOINTS, COUPLINGS, RESTRAINTS, BENDS, ANGLES, AND OTHER APPURTENANCES TO ACHIEVE A COMPLETE, FUNCTIONAL WATER SUPPLY SYSTEM.
- ALL WORK ASSOCIATED WITH ELECTRICAL SERVICE SHALL CONFORM TO THE STANDARDS OF EVERSOURCE. IF THERE ARE ANY CONFLICTS BETWEEN THE REQUIREMENTS INDICATED HEREON AND EVERSOURCE STANDARDS, EVERSOURCE STANDARDS SHALL PREVAIL.
- ALL WORK ASSOCIATED WITH TELECOMMUNICATIONS SHALL CONFORM TO THE STANDARDS OF THE LOCAL PROVIDER.



FRANCIS J. VACCA, PE No. 29098

PIERSON SCHOOL
RESIDENTIAL
REDEVELOPMENT

75 EAST MAIN STREET

IN

CLINTON
CONNECTICUT
(MIDDLESEX COUNTY)

GENERAL NOTES &
LEGEND

AUGUST 27, 2024

REVISIONS:

NO.	DATE	DESC.

ISSUED FOR PERMITTING

PREPARED FOR:
XENOLITH PARTNERS, LLC
PO BOX 413
BEDFORD, NY 10506



665 Winding Brook Drive
Glastonbury, Connecticut
06033 860 652 8227

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SCALE: NONE

FILE: p:\010073300\civil\drawings\010073300-note.dwg

DWG.:
JOB. NO: 0100733.00

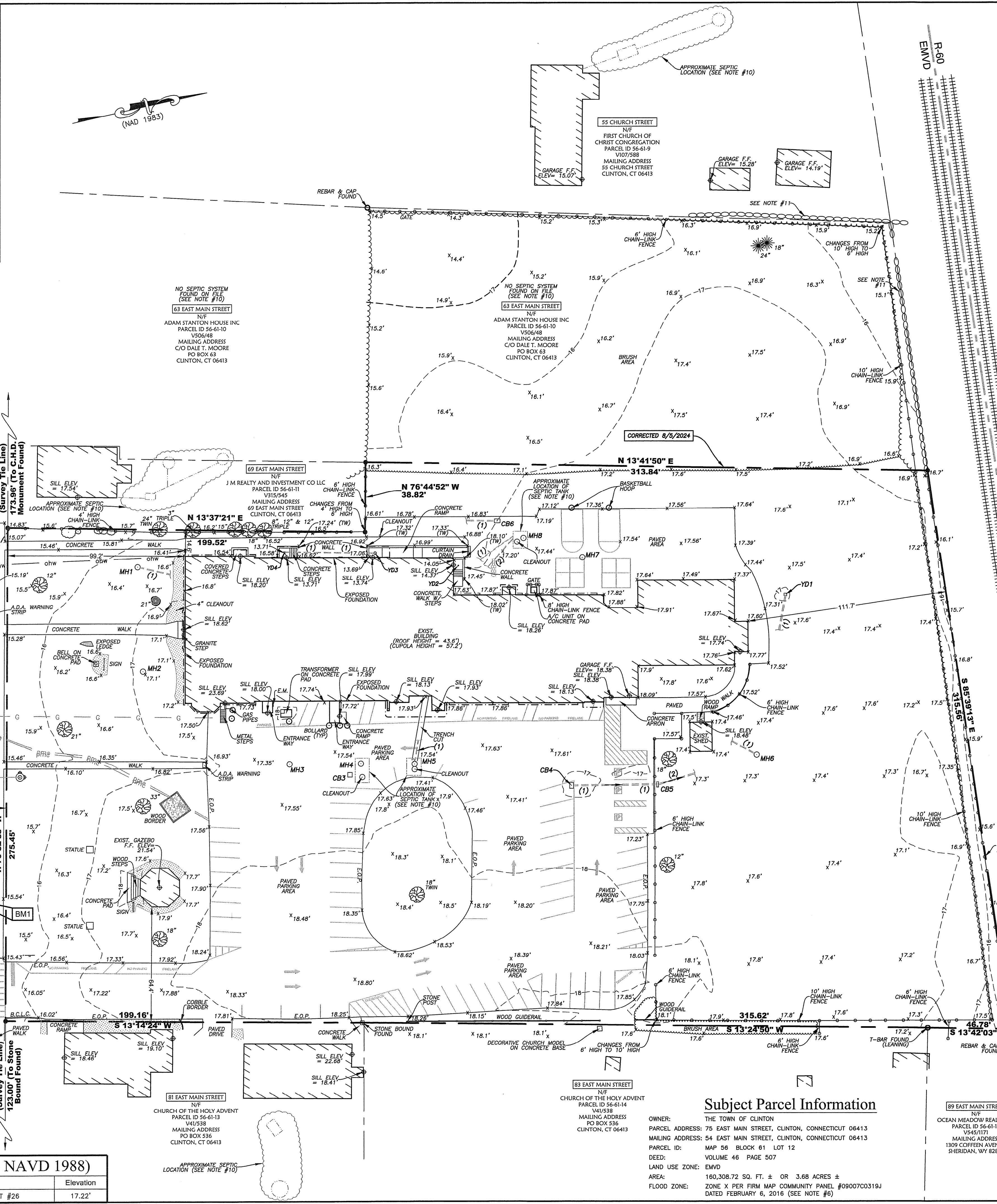
G-2.0

Catch Basin Information						
CB#	Type	Top of Grate	Sump	Invert #1	Invert #2	
CB1	Type C	14.37'	10.2'	11.8' (15' R.C.P.)	-	
CB2	Type C	13.82'	8.8'	10.3' (15' R.C.P.)	16.1' (15' R.C.P.)	
CB3	Flattop	17.16'	14.0'	-	(No Pipes Visible)	
CB4	Flattop	16.94'	10.2'	15.3' (8" P.V.C.)	(No Other Pipes Visible)	
CB5	Flattop	16.93'	15.0'	15.1' (8" P.V.C.)	15.1' (8" P.V.C.)	
CB6	Flattop	16.89'	8.0'	13.9' (8" P.V.C.)	-	

Storm & Septic Manhole Information				
MH#	Type	Top of Frame	Sump	Invert #1
MH1	Drywell	16.14'	8.6'	13.8' (8" P.V.C.)
MH2	Drywell	17.07'	9.6'	-
MH3	Drywell	17.41'	8.9'	-
MH4	Septic	17.46'	7.6'	-
MH5	Septic	17.51'	-	14.6' (4" P.V.C.)
MH6	Drywell	17.15'	5.4'	10.6' (8" P.V.C.)
MH7	Drywell	17.57'	9.1'	-
MH8	Septic	17.27'	-	12.1' (4" P.V.C.)

Yard Drain Information			
YD#	Top of Grate	Sump	Invert #1
YD1	16.86'	14.2'	15.9' (8" P.V.C.)
YD2	13.94'	13.8'	-
YD3	13.99'	9.6'	11.6' (4" P.V.C.)
YD4	13.68'	13.6'	12.2' (4" P.V.C.)

Benchmarks (DATUM = NAVD 1988)		
Benchmark	Description	Elevation
BM1	MAG NAIL IN UTILITY POLE SNET #26	17.22'



Reference Maps

- "CONNECTICUT STATE HIGHWAY DEPARTMENT RIGHT OF WAY MAP TOWN OF CLINTON BOSTON POST ROAD FROM INDIAN RIVER EASTERLY TO LIBERTY STREET - ROUTE NO. 15 PREPARED BY THE CONNECTICUT STATE HIGHWAY DEPARTMENT DATED MARCH 9, 1928 SCALE 1"=40' DRAWING NUMBER 28A
- "RIGHT OF WAY AND TRACK MAP - THE NEW HAVEN AND HARTFORD R.R. CO. OPERATED BY THE NEW YORK NEW HAVEN AND HARTFORD R.R. CO. FROM NEW HAVEN TO NEW LONDON - TOWN OF CLINTON, STATE OF CONN. DATED UNDATED SCALE 1"=100'
- "PLAN SHOWING LAND TO BE CONVEYED TO THE HOLY ADVENT CHURCH, CLINTON, CONNECTICUT PREPARED BY J.J. KELSEY DATED AUGUST, 1948 SCALE 1"=40' (TOWN CLERK MAP #137)
- "MAP SHOWING LAND TO BE LEASED BY - BOARD OF EDUCATION TOWN OF CLINTON PREPARED BY KELSEY ENG CO. DATED SEPTEMBER, 1952 SCALE 1"=40' (TOWN CLERK MAP #273)
- "EPISCOPAL CHURCH PROPERTY - EAST MAIN STREET, CLINTON, CONNECTICUT PREPARED BY MERRITT B. CHALKER DATED AUGUST 27, 1963 SCALE 1"=20' (TOWN CLERK MAP #654)
- "MAP AND SURVEY SHOWING LANDS OF JOSEPH E. & ELEANOR M. WARGO #69 EAST MAIN STREET, CLINTON, CONNECTICUT PREPARED FOR DR. EDWARD GLEICH DATED JANUARY 14, 1983 SCALE 1"=20' (TOWN CLERK MAP #1501)
- "MAP AND SURVEY OF LAND OF THE ARTHUR LAFELD FRENCH TRUST, UTA #85 87 EAST MAIN STREET CLINTON, CONNECTICUT PREPARED BY ARTHUR E. BARDEN DATED MARCH 1, 1996 SCALE 1"=20' (TOWN CLERK MAP #2524)
- "PROPERTY SURVEY OF ABRAHAM PIERSON ELEMENTARY SCHOOL FOR JACINSKI HUMES ARCHITECTS, LLC PREPARED BY GESICK & ASSOCIATES P.C. DATED JANUARY 4, 2000 REVISED THRU MAY 10, 2000 SCALE 1"=40' (NOT ON FILE)
- "INLAND WETLANDS BOUNDARY VERIFICATION AND MAP OF PROPERTY OF CLARA A. ANDERSON #89 EAST MAIN STREET CLINTON, CONNECTICUT PREPARED BY WALDO J. WOODWORTH, P.C. DATED FEBRUARY 14, 2000 REVISED THRU MARCH 29, 2000 SCALE 1"=40' (NOT ON FILE)
- "MAP OF PROPERTY OF FAMILY LODGE OF CLINTON, LLC #89 EAST MAIN STREET CLINTON, CONNECTICUT PREPARED BY WOODWORTH ASSOCIATES, P.C. DATED SEPTEMBER 27, 2002 SCALE 1"=40' (TOWN CLERK MAP #2990)

Location Map

Scale: 1"=2000'

Notes

- 1) THIS SURVEY PLAN HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTION 20-300B-1 THROUGH 20-300B-20 AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF THE LAND SURVEYORS, INC. ON OCTOBER 26, 2018.
A. TYPE OF SURVEY: TOPOGRAPHIC SURVEY.
B. WITH RESPECT TO THE PERIMETER OF THE PROPERTY THE BOUNDARY DETERMINATION IS BASED UPON A RESURVEY OF REFERENCE MAP #8.
C. THIS SURVEY CONFORMS TO THE STANDARDS AND THE ACCURACY OF CLASS: A-2 HORIZONTAL & T-2 TOPOGRAPHIC ACCURACY.
D. BEARINGS AS DEPICTED ARE BASED UPON THE CONNECTICUT GRID SYSTEM NORTH AMERICAN DATUM OF 1983.
E. ELEVATIONS BASED UPON NORTH AMERICAN VERTICAL DATUM 1988.
F. CONTOUR INTERVAL = 1'.
G. THE INTENT OF THIS MAP IS TO DEPICT THE EXISTING CONDITIONS OF THE PROPERTY.
- 2) BOUNDARY LINES OF ADJOINING PROPERTIES ARE SHOWN FOR GENERAL INFORMATIONAL PURPOSES ONLY AND ARE NOT TO BE CONSTRUED AS BEING ACCURATELY LOCATED OR DEPICTED.
- 3) THE WORD "CERTIFY" AS USED IS UNDERSTOOD TO BE AN EXPRESSION OF PROFESSIONAL OPINION BY THE SURVEYOR. IT IS A DECLARATORY STATEMENT, WHICH IS BASED ON HIS BEST KNOWLEDGE, INFORMATION AND BELIEF. AS SUCH IT CONSTITUTES NEITHER A GUARANTEE NOR WARRANTY, EXPRESSED OR IMPLIED, OF ANY INFORMATION CONTAINED HEREON. NO CERTIFICATION IS EXPRESSED OR IMPLIED ON ANY ORIGINAL OR ANY DUPLICATE OF THIS MAP UNLESS IT BEARS AN ORIGINAL STAMP OR SEAL AND ORIGINAL SIGNATURE OF THE INDIVIDUAL WHOSE REGISTRATION NUMBER APPEARS HEREON.
- 4) THIS MAP IS THE PROPERTY OF GESICK & ASSOCIATES P.C. AND HAS BEEN SPECIFICALLY PREPARED FOR THE OWNER OF THIS PROJECT OR PROPERTY. IT IS NOT TO BE DUPLICATED OR USED IN PART OR WHOLE FOR ANY OTHER PURPOSE, PROJECT, LOCATION, OR OWNER WITHOUT THE EXPRESS WRITTEN CONSENT OF GESICK & ASSOCIATES P.C.
- 5) BASE MAPPING PREPARED BY GESICK & ASSOCIATES P.C. FROM A 1/23/2024 THRU 1/24/2024 FIELD SURVEYS.
- 6) THE FLOOD ZONE BOUNDARIES SHOWN WERE DERIVED UTILIZING FLOOD INSURANCE RATE MAPS, THE FLOOD ZONE BOUNDARIES WERE DIGITIZED AND ARE TO BE CONSIDERED AS APPROXIMATE ONLY AND FOR INFORMATIONAL PURPOSES ONLY.
- 7) UNDERGROUND UTILITY, STRUCTURE AND FACILITY LOCATIONS DEPICTED AND NOTED HEREON HAVE BEEN COMPILED, IN PART, FROM RECORD MAPPING AND LIMITED FIELD MEASUREMENTS. THESE LOCATIONS MUST BE CONSIDERED AS APPROXIMATE IN NATURE. ADDITIONALLY, OTHER SUCH FEATURES MAY EXIST ON THE SITE, THE EXISTENCE OF WHICH ARE UNKNOWN TO GESICK & ASSOCIATES P.C. THE SIZE, LOCATION AND EXISTENCE OF ALL SUCH FEATURES MUST BE FIELD DETERMINED AND VERIFIED BY THE APPROPRIATE AUTHORITIES PRIOR TO CONSTRUCTION. CALL BEFORE YOU DIG 1-800-922-4455.
- 8) TREES AND STUMPS SHOWN ON THIS MAP WERE FIELD LOCATED BUT ARE NOT SHOWN TO SCALE.
- 9) UNLESS OTHERWISE NOTED, BUILDING OFFSETS ARE TO BUILDING SIDING ABOVE THE FOUNDATION.
- 10) SEPTIC INFORMATION PROVIDED BY THE TOWN OF CLINTON LAND USE DEPARTMENT.
- 11) THE STONEWALLS AND/OR FENCES SHOWN AS BOUNDARIES MAY HAVE IRREGULARITIES OF COURSE BETWEEN PRINCIPAL POINTS OF COURSE INDICATED.

Legend

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
●	PROPERTY CORNER	—W—	TREELINE
○	IP / REBAR	—G—	WATER LINE
□	BENCH MARK	—PMA—	GAS LINE
○	UTILITY POLE	—PMA—	PAINT MARK ELECTRIC
○	UTILITY POLE W/ LIGHT	—PMA—	PAINT MARK COMMUNICATIONS
○	GUY WIRE	X,X'	SPOT ELEVATION
○	WATER VALVE	■	PLANTED AREA
○	FIRE HYDRANT	■	GRAVEL AREA
○	CATCH BASIN	■	EXISTING BUILDING
○	MANHOLE	N/F	NOW OR FORMERLY
○	SIGN	ELEV / EL	ELEVATION
○	POST	INV	INVERT
○	HANDICAPPED	E.M.	ELECTRIC METER
○	DECIDUOUS TREE	F.F.	FINISHED FLOOR
○	CONIFEROUS TREE	C.C.	CONCRETE CURB
○	SHRUB	(TYP)	TYPICAL
○	STUMP	(FC)	FACE OF CURB
○	HEDGE	(TC)	TOP OF CURB
○	STONEWALL	(TW)	TOP OF WALL
○	FENCE LINE	R.C.P.	REINFORCED CONCRETE PIPE
○	OVERHEAD WIRES	P.V.C.	POLYVINYL CHLORIDE
○	RAILROAD TRACKS	E.O.P.	EDGE OF PAVEMENT
○	LAND USE ZONE LINE	A.D.A.	AMERICANS WITH DISABILITIES ACT
○	INDEX CONTOUR	C.H.D.	CONNECTICUT HIGHWAY DEPARTMENT
○	INTERMEDIATE CONTOUR	B.C.L.C.	BITUMINOUS CONCRETE LIP CURB
○	BURIED SEPTIC	CB#	CATCH BASIN
○	BUILDING OVERHANG	MH#	MANHOLE
○	ROAD PAINTMARKS	YD#	YARD DRAIN
○	PROPERTY LINE	W/	WITH
○	PROPERTY LINE OTHER	A/C	AIR CONDITIONING
○		EXIST.	EXISTING

Subject Parcel Information

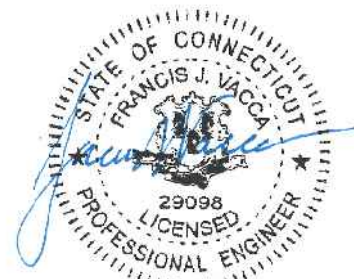
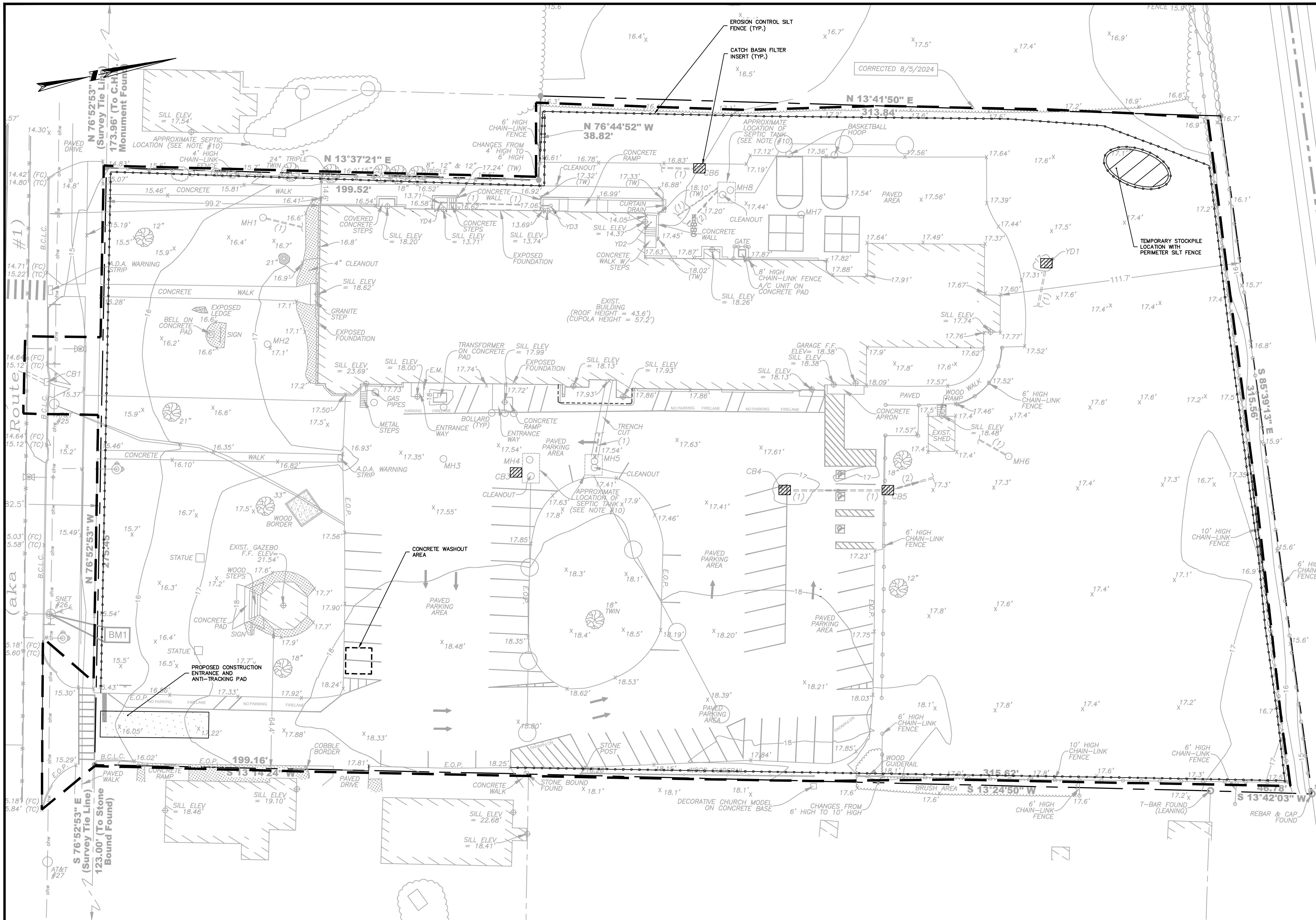
OWNER: THE TOWN OF CLINTON
PARCEL ADDRESS: 75 EAST MAIN STREET, CLINTON, CONNECTICUT 06413
MAILING ADDRESS: 54 EAST MAIN STREET, CLINTON, CONNECTICUT 06413
PARCEL ID: MAP 56 BLOCK 61 LOT 12
DEED: VOLUME 46 PAGE 507
LAND USE ZONE: EMVD
AREA: 160,308.72 SQ. FT. ± OR 3.68 ACRES ±
FLOOD ZONE: ZONE X PER FIRM MAP COMMUNITY PANEL #09007C0319J DATED FEBRUARY 6, 2016 (SEE NOTE #6)

89 EAST MAIN STREET
N/F
OCEAN MEADOW REALTY LLC
PARCEL ID 56-61-16
V545/1171
MAILING ADDRESS
1309 COFFERIN AVENUE
SHERIDAN, WY 82801

Revisions

Date	Description
8/6/2024	Corrected Property Line

Date: January 30, 2024
Drawing: 24-008b
Drawn: P.P.H.
Sheet: 1 OF 1



FRANCIS J. VACCA, PE No. 29098

PIERSON SCHOOL
RESIDENTIAL
REDEVELOPMENT

75 EAST MAIN STREET

IN
CLINTON
CONNECTICUT
(MIDDLESEX COUNTY)

EROSION &
SEDIMENTATION
CONTROL PLAN
AUGUST 27, 2024

REVISIONS:		
NO.	DATE	DESC.

ISSUED FOR PERMITTING

PREPARED FOR:
XENOLITH PARTNERS, LLC
PO BOX 413
BEDFORD, NY 10506



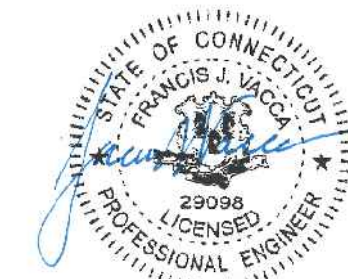
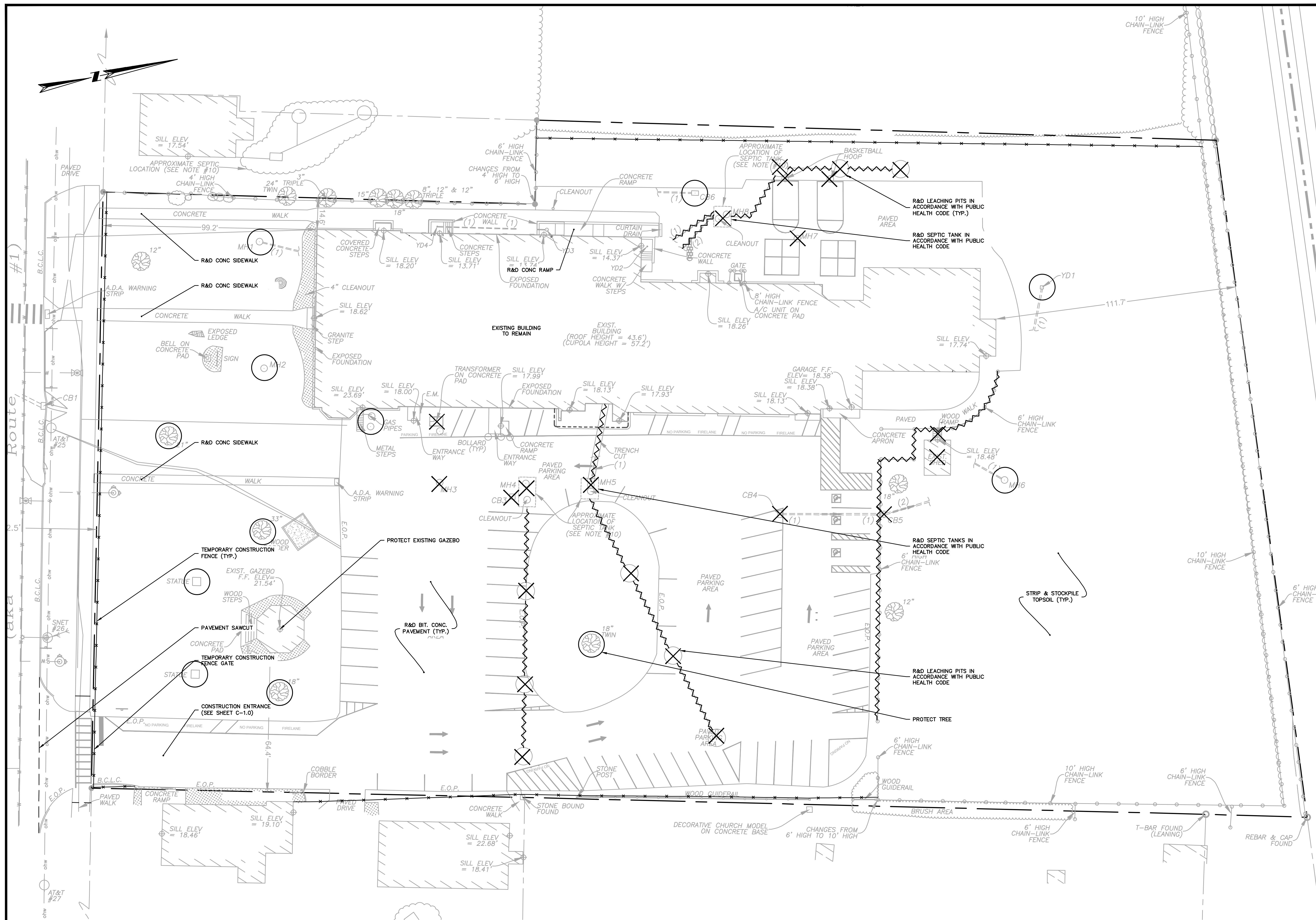
665 Winding Brook Drive
Glastonbury, Connecticut
06033 860 652 8227

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PIERSON SCHOOL
RESIDENTIAL
REDEVELOPMENT

75 EAST MAIN STREET

IN
CLINTON
CONNECTICUT
(MIDDLESEX COUNTY)

SITE PREPARATION PLAN

AUGUST 27, 2024

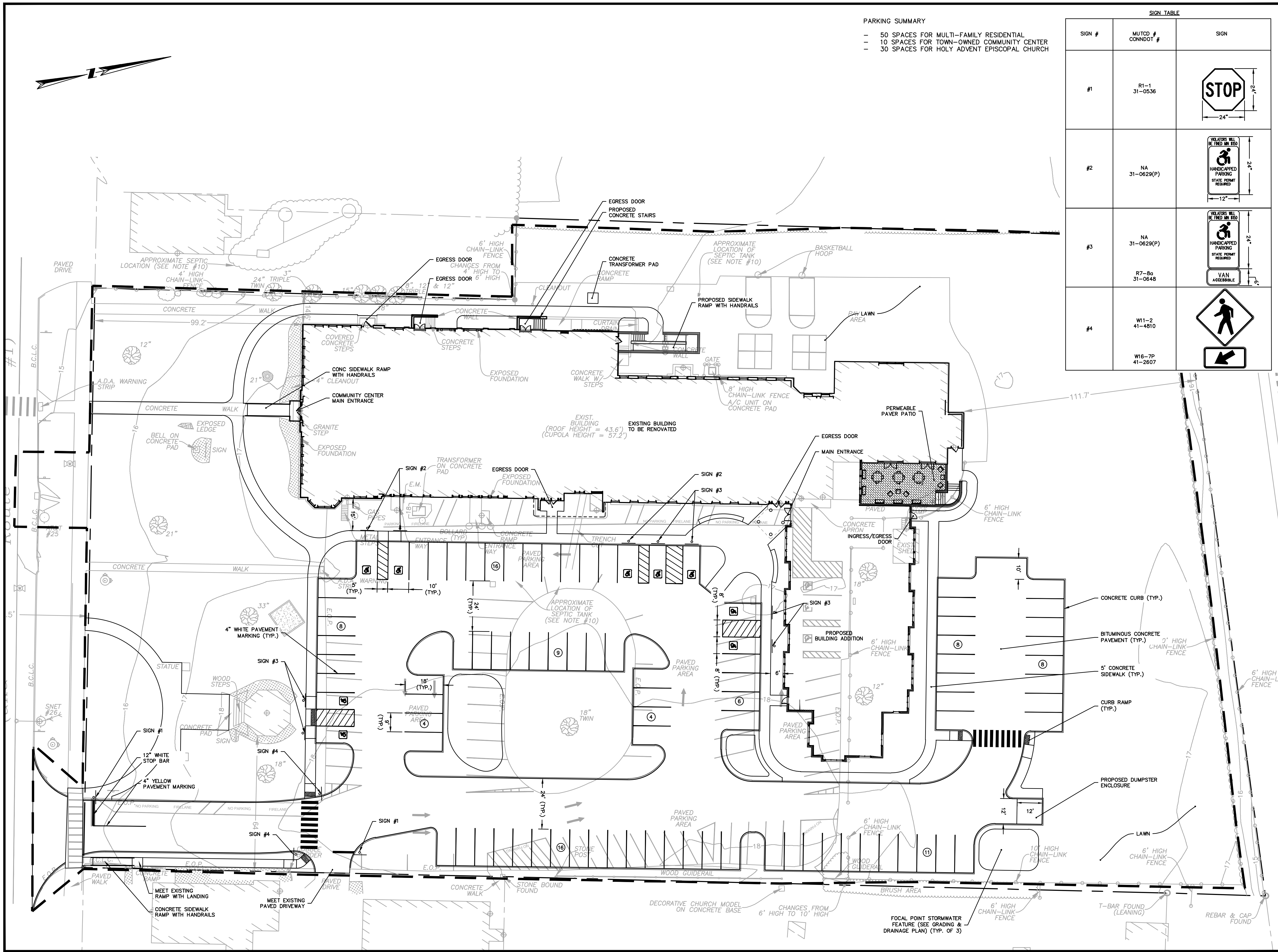
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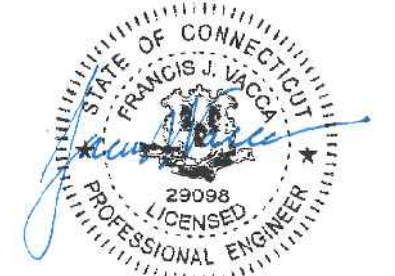
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- PARKING SUMMARY
- 50 SPACES FOR MULTI-FAMILY RESIDENTIAL
 - 10 SPACES FOR TOWN-OWNED COMMUNITY CENTER
 - 30 SPACES FOR HOLY ADVENT EPISCOPAL CHURCH

SIGN TABLE		
SIGN #	MUTCD # CONDDOT #	SIGN
#1	R1-1 31-0536	STOP
#2	NA 31-0629(P)	HANDICAPPED PARKING STATE PERMIT REQUIRED
#3	NA 31-0629(P) R7-8a 31-0648	HANDICAPPED PARKING STATE PERMIT REQUIRED VAN ACCESSIBLE
#4	W11-2 41-4810 W16-7P 41-2607	PEDESTRIAN CROSSING WITH DOWNWARD ARROW



FRANCIS J. VACCA, PE No. 29098

PIERSON SCHOOL
RESIDENTIAL
REDEVELOPMENT

75 EAST MAIN STREET

IN
CLINTON
CONNECTICUT
(MIDDLESEX COUNTY)

LAYOUT & MATERIALS
PLAN

AUGUST 27, 2024

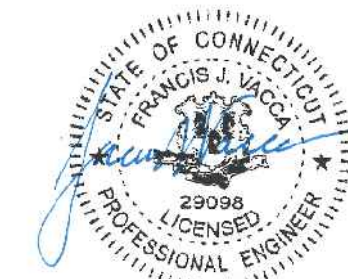
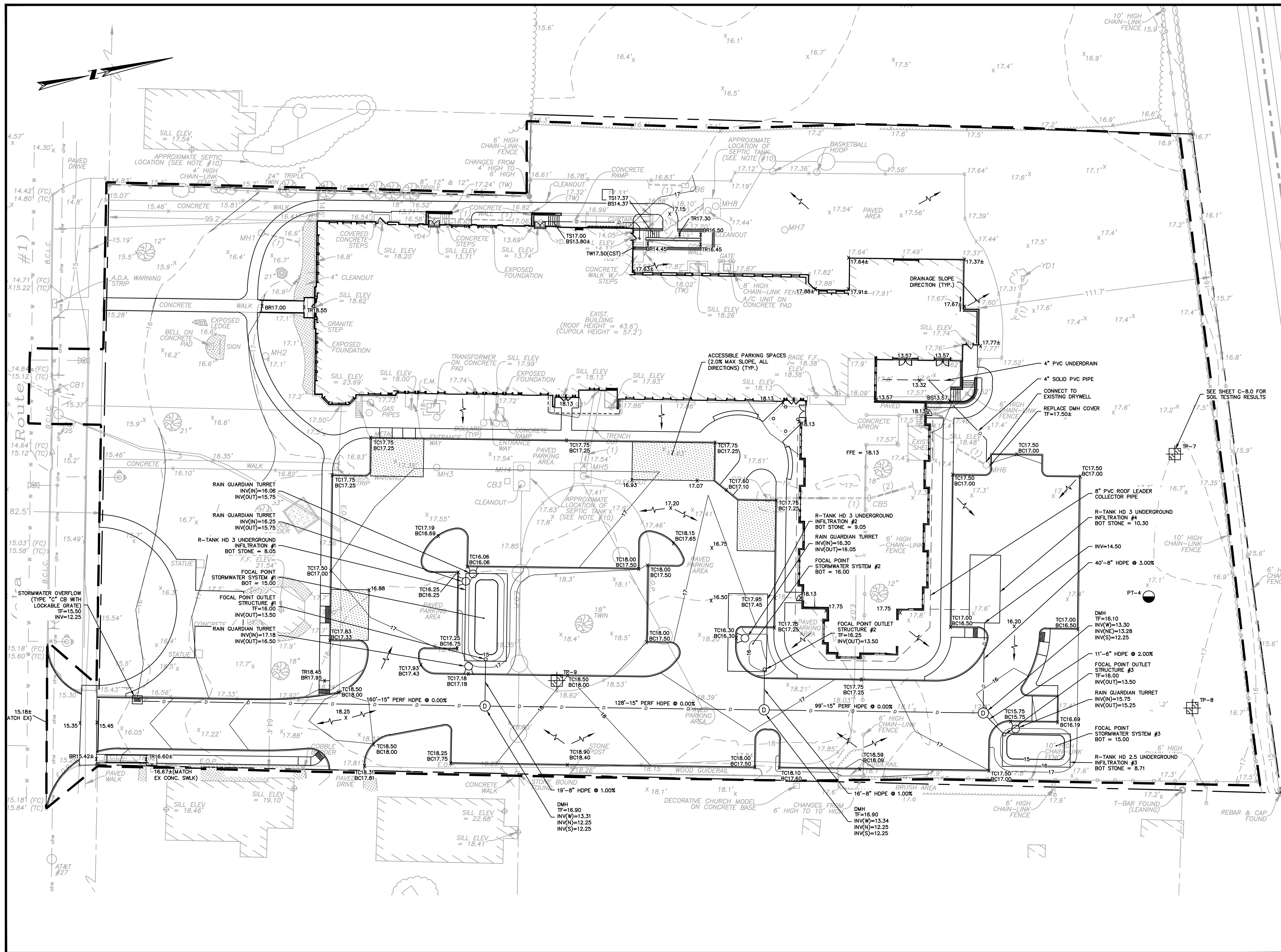
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FRANCIS J. VACCA, PE No. 29098

PIERSON SCHOOL
RESIDENTIAL
REDEVELOPMENT

75 EAST MAIN STREET

IN
CLINTON
CONNECTICUT
(MIDDLESEX COUNTY)

GRADING & DRAINAGE
PLAN

AUGUST 27, 2024

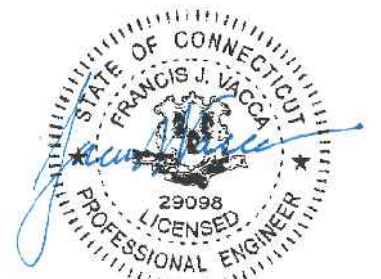
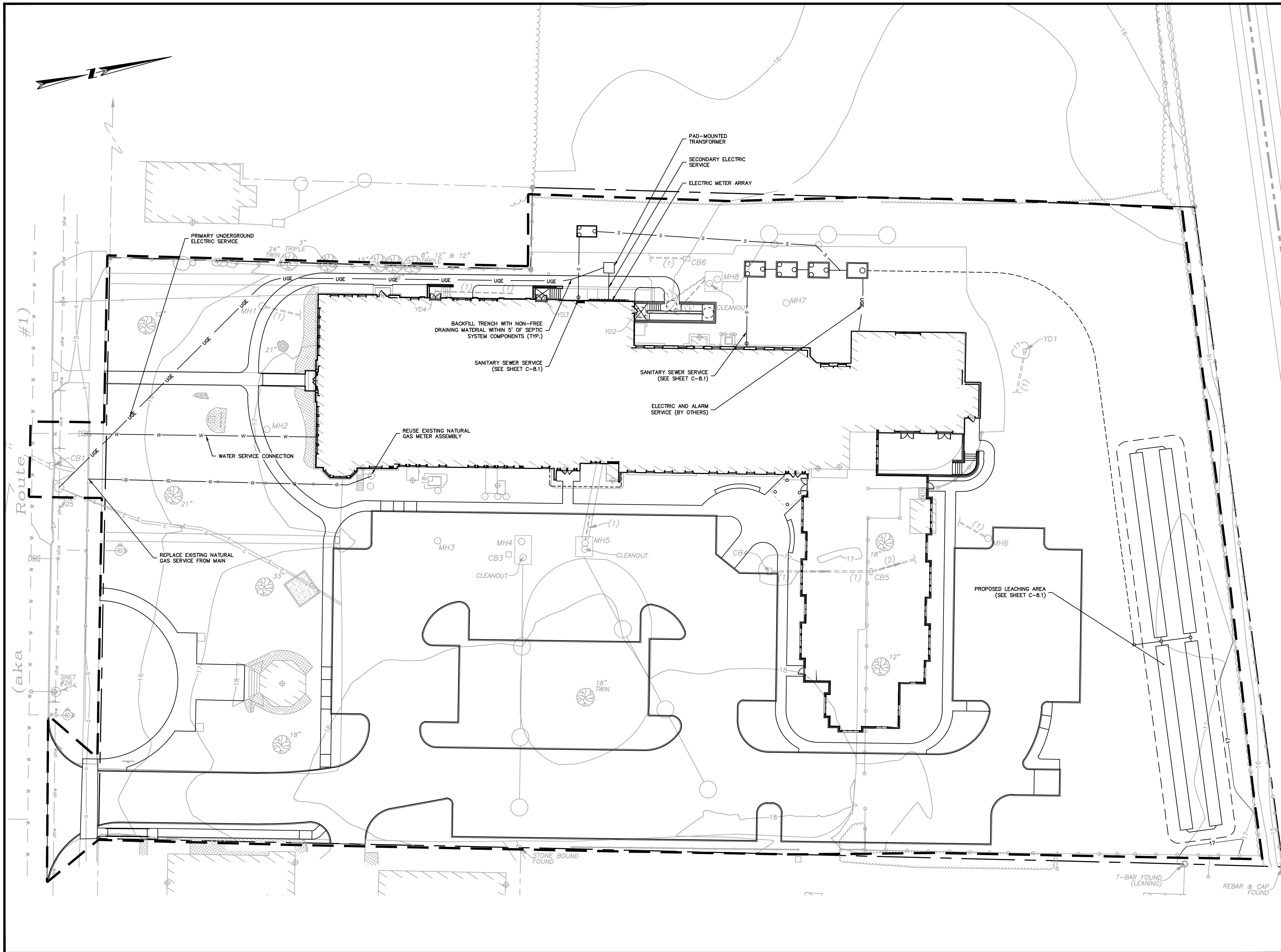
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FRANCIS J. VACCA, PE No. 29098

PIERSON SCHOOL
RESIDENTIAL
REDEVELOPMENT

75 EAST MAIN STREET

IN
CLINTON
CONNECTICUT
(MIDDLESEX COUNTY)

UTILITY PLAN

AUGUST 27, 2024

REVISIONS:		
NO.	DATE	DESC.

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BEDFORD, NY 10506

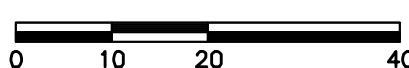
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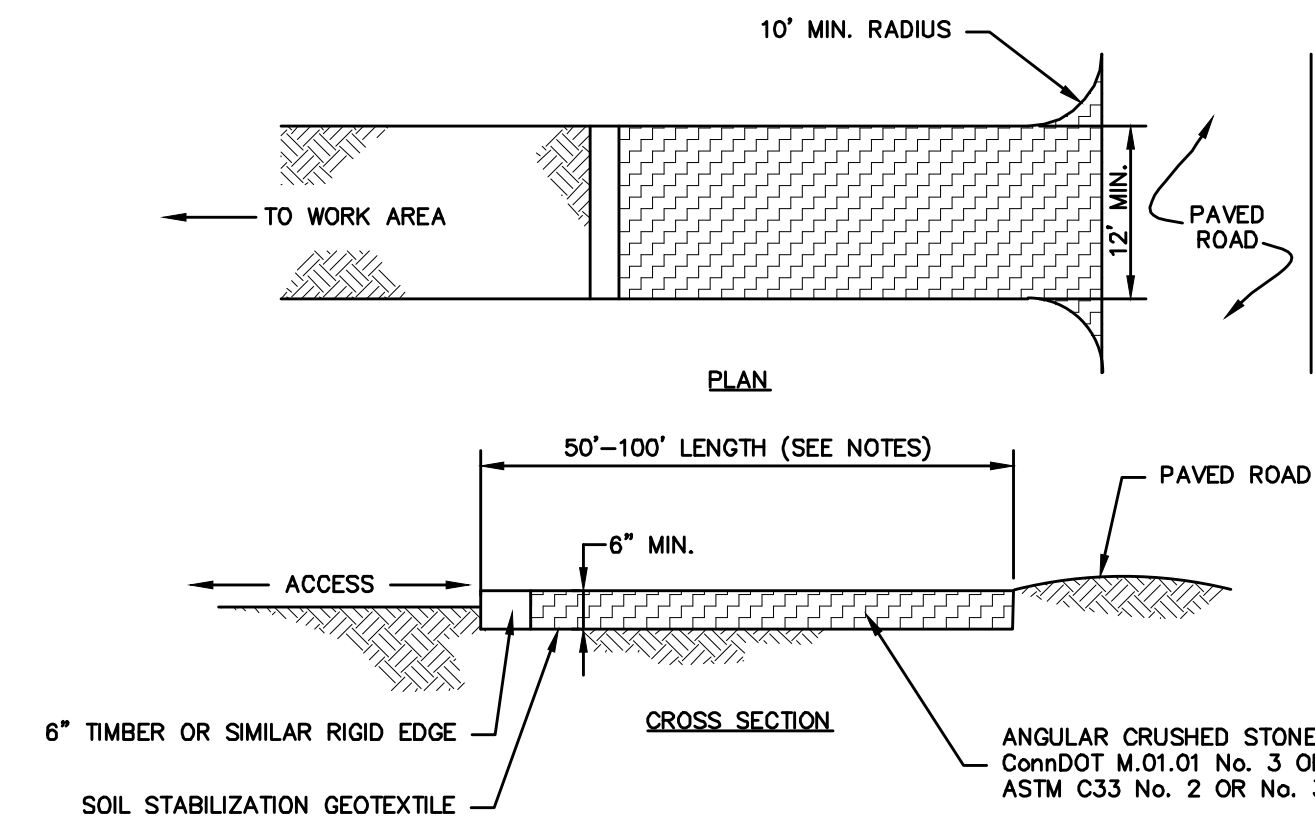
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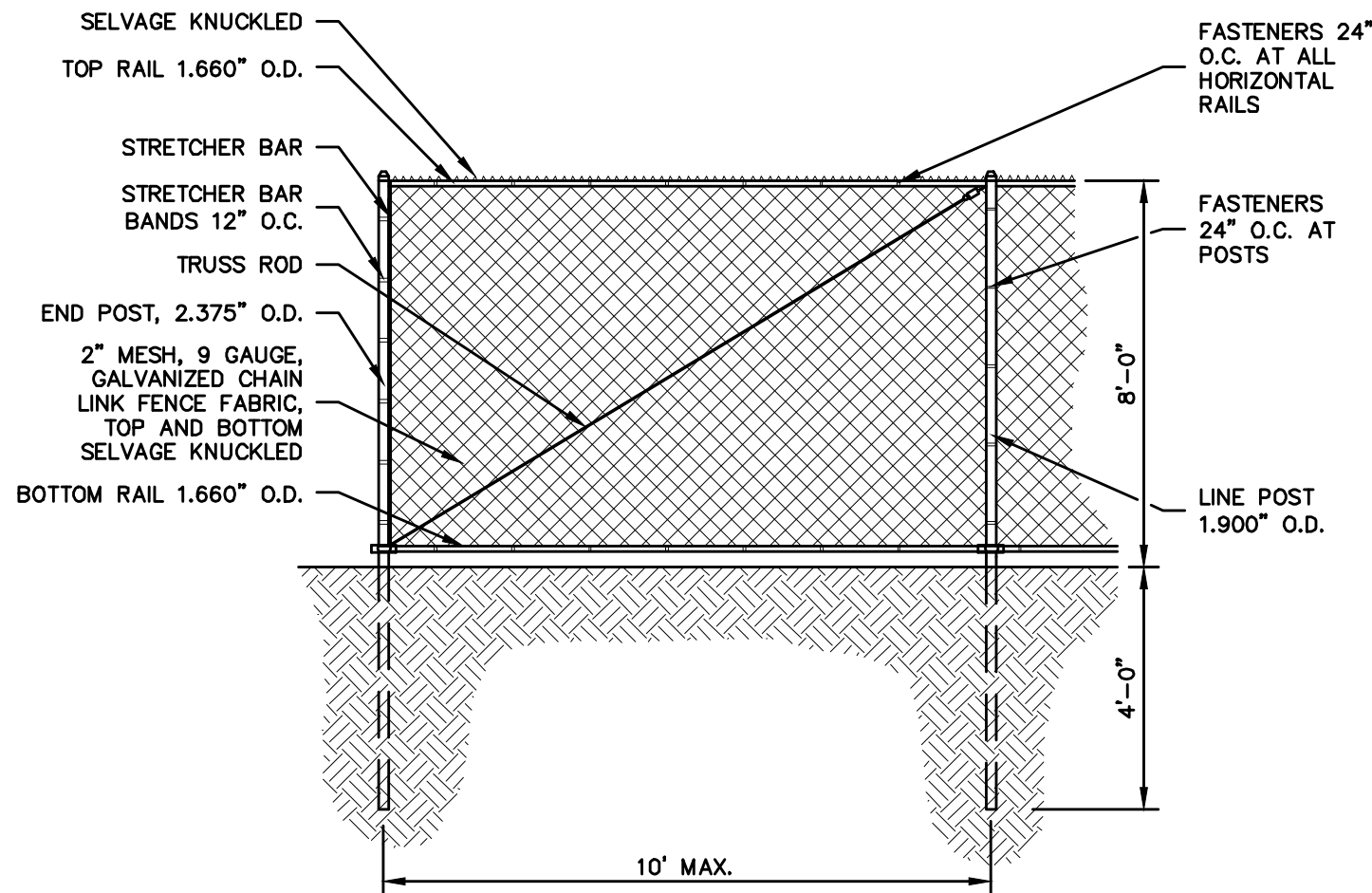


NOTES:

1. REMOVE TOPSOIL AND ORGANICS PRIOR TO CRUSHED STONE PLACEMENT.
2. INSTALL SUB-BASE OF FREE DRAINING BACKFILL OR ROAD STABILIZATION GEOTEXTILE AS NECESSARY ON UNSTABLE SOILS.
3. LENGTH SHALL BE 50 FOOT MINIMUM. WHERE TRACKED SEDIMENTS CONTAIN LESS THAN 80% SAND, LENGTH SHALL BE 100 FOOT MINIMUM.
4. IF THE GRADE OF THE CONSTRUCTION ENTRANCE DRAINS TO THE PAVED SURFACE AND IT EXCEEDS 2% SLOPE, CONSTRUCT ENTRANCE AT LEAST 15 FEET FROM ITS ENTRANCE ONTO THE PAVED SURFACE WHILE DIVERTING RUN-OFF WATER TO A SETTLING OR FILTERING AREA.
5. CONSTRUCT ANY DRAINAGE AND SETTLING FACILITIES REQUIRED TO ACCOMMODATE VEHICLE WASHING OPERATIONS. DIVERT ALL WASH WATER AWAY FROM ENTRANCE TO THE SETTLING AREA.
6. MAINTAIN ENTRANCE IS A CONDITION THAT WILL PREVENT WASHING OF SEDIMENT ONTO PAVED SURFACES.

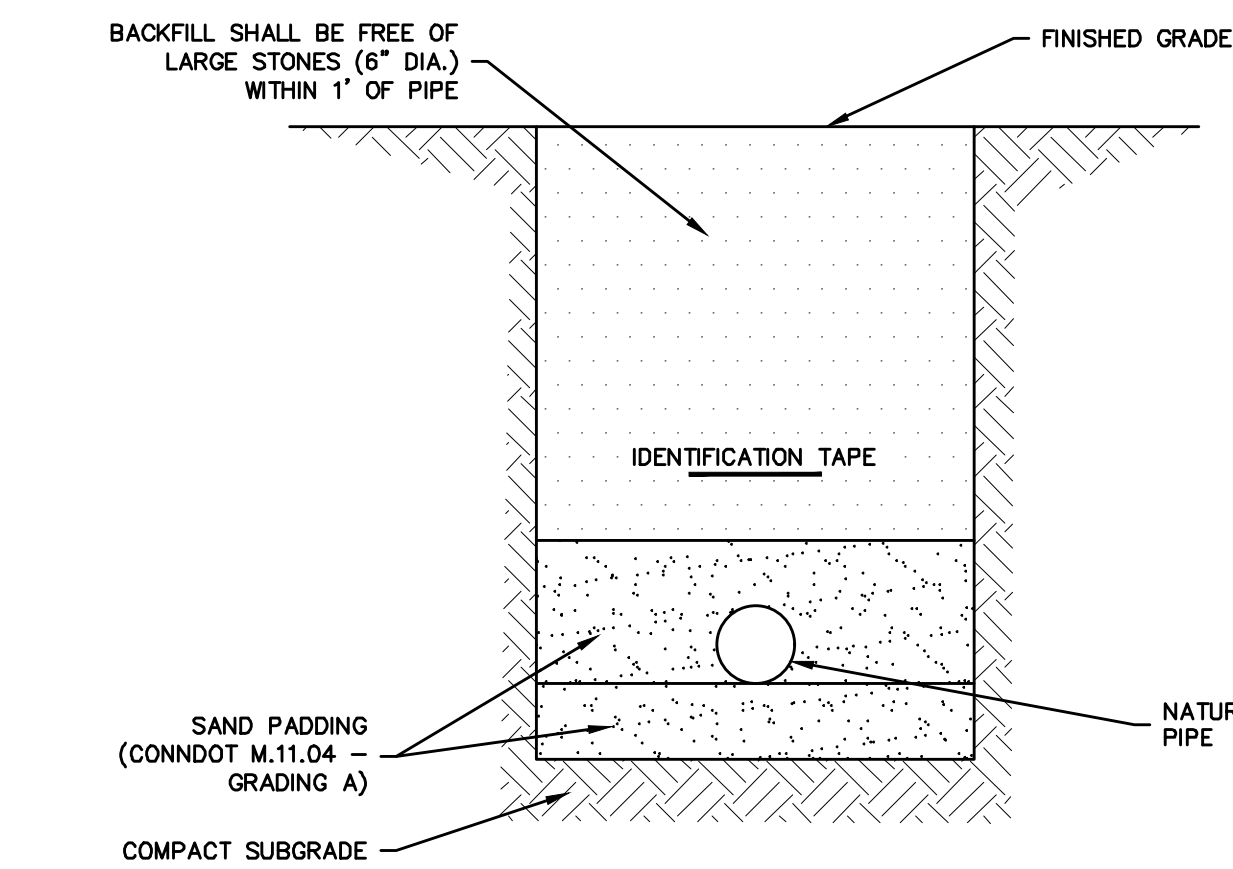
CONSTRUCTION ENTRANCE

SCALE: NONE
EC-101-CT



CONSTRUCTION FENCE

SCALE: NONE
FSN-104-CT

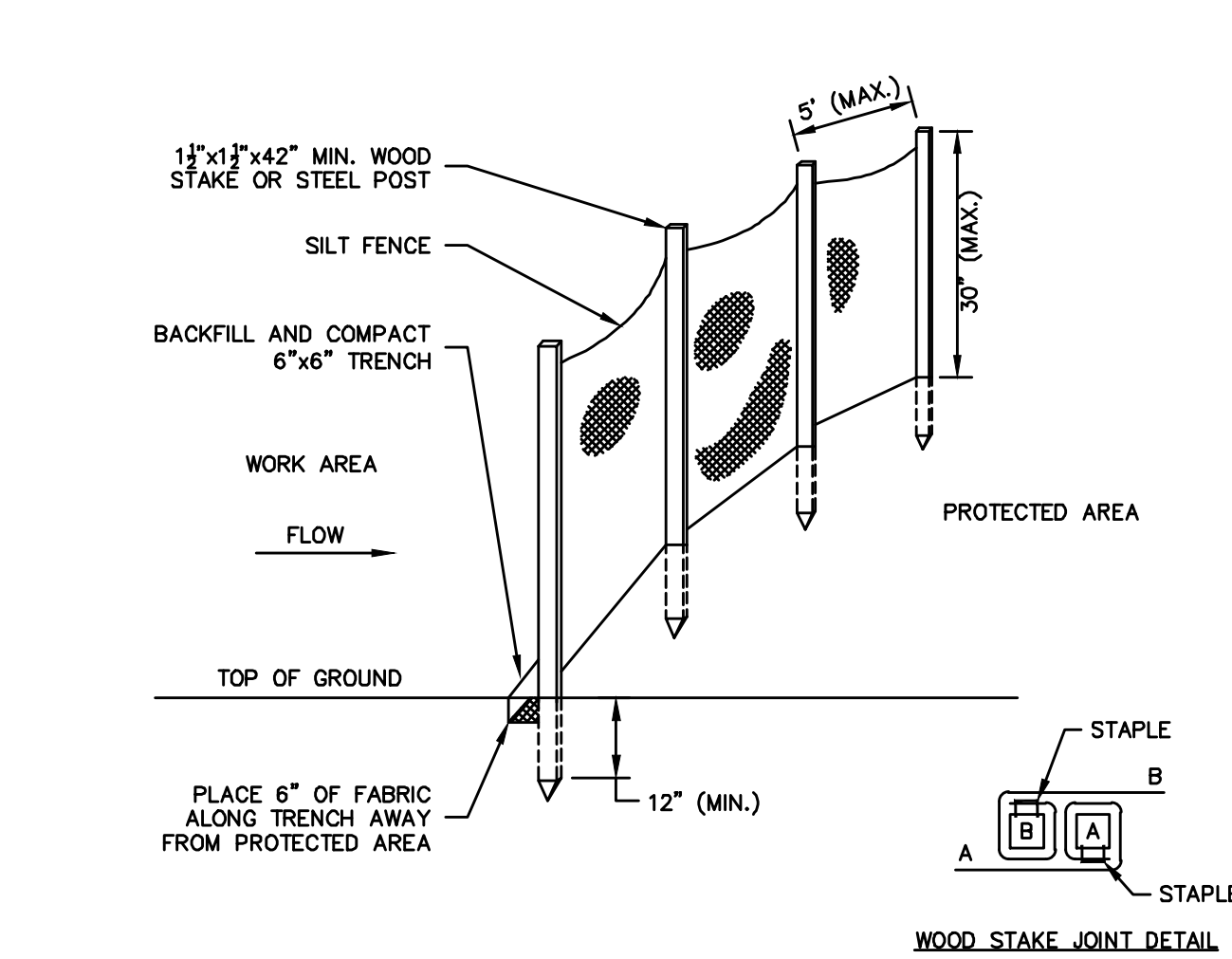


NOTES:

1. ALL WORK ASSOCIATED WITH NATURAL GAS SHALL CONFORM TO THE STANDARDS OF THE PROVIDER, INCLUDING, BUT NOT LIMITED TO:
 - A MINIMUM VERTICAL CLEARANCE OF 1' SHALL BE MAINTAINED BETWEEN THE GAS FACILITIES AND ANY OTHER UNDERGROUND FACILITY.
 - A MINIMUM HORIZONTAL CLEARANCE OF 4' SHALL BE MAINTAINED BETWEEN THE GAS FACILITIES AND ANY OTHER UNDERGROUND FACILITIES AND/OR ABOVEGROUND FACILITIES.
 - IF A SLEEVE IS TO BE INSTALLED, TRACING WIRE (PROVIDED BY EVERSOURCE GAS) SHALL BE INSTALLED ALONG THE OUTSIDE OF THE SLEEVE.
 - AN IDENTIFICATION TAPE SHALL BE BURIED APPROXIMATELY 1' ABOVE THE TOP OF ALL GAS MAINS, SERVICES AND SLEEVES.
 - THE BOTTOM OF THE TRENCH SHALL BE FREE OF CLODS, ROCKS OR OTHER SHARP OBJECTS.
 - PROVIDE A MINIMUM OF 1' VERTICAL AND 4' HORIZONTAL CLEARANCE BETWEEN GAS FACILITIES AND ANY OTHER UNDERGROUND AND/OR ABOVEGROUND FACILITIES.

TYPICAL NATURAL GAS SERVICE TRENCH

SCALE: NONE

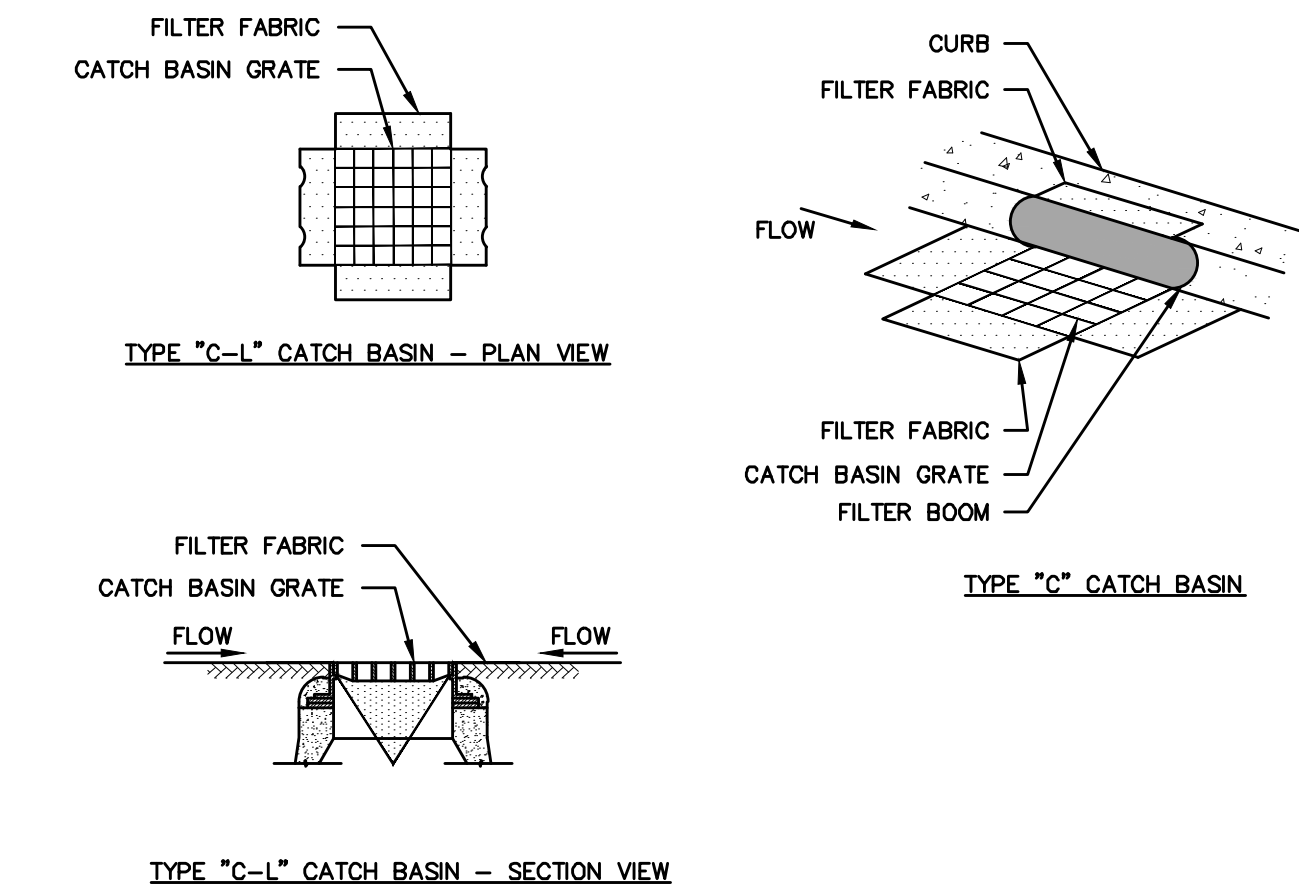


GENERAL NOTES:

1. FOR SLOPE & SWALE INSTALLATIONS, EXTEND FENCE UP SLOPE SUCH THAT BOTTOM ENDS OF FENCE WILL BE HIGHER THAN THE TOP OF THE LOWEST PORTION OF FENCE.
2. FOR FENCE INSTALLED ON LEVEL TERRAIN INSTALL WING SECTIONS PERPENDICULAR TO MAIN BARRIER AT 50'-100' INTERVALS.

SILT FENCE BARRIER

SCALE: NONE
EC-107

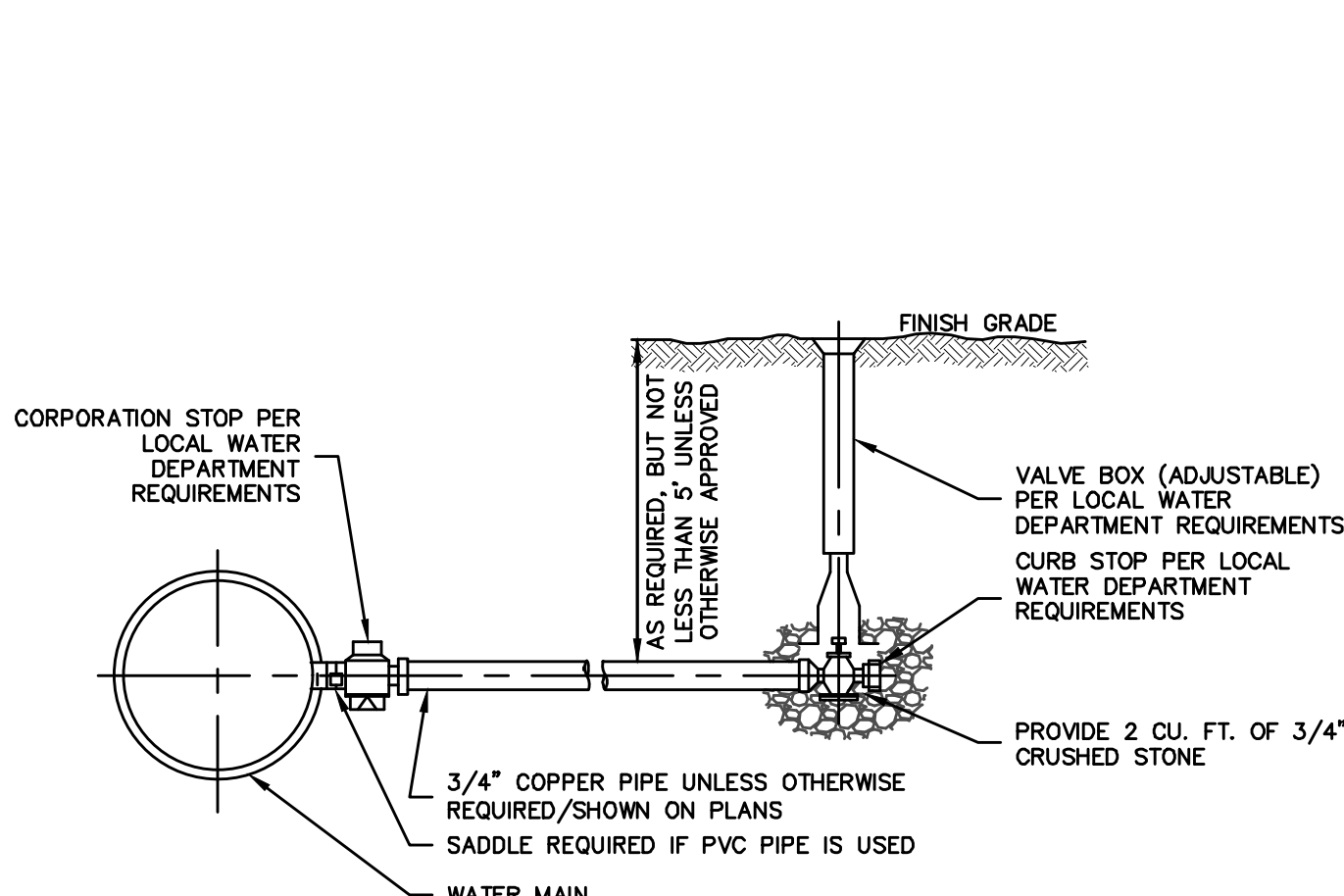


GENERAL NOTES:

1. PROVIDE INLET PROTECTION TO ALL EXISTING CATCH BASINS IN THE VICINITY OF CONSTRUCTION. PROTECT NEW CATCH BASINS AS THEY ARE CONSTRUCTED.
2. GRATE TO BE PLACED OVER FILTER FABRIC.

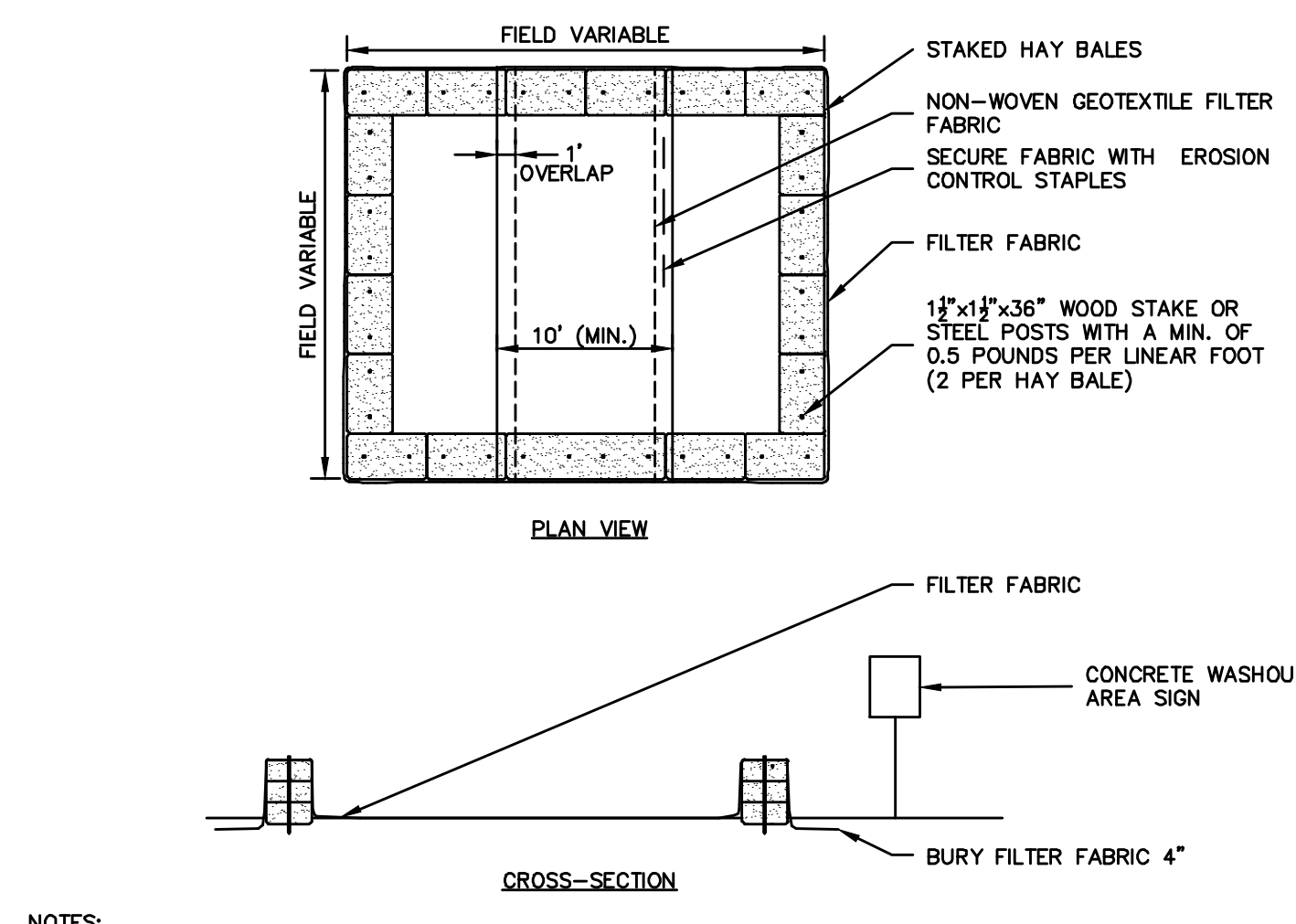
CATCH BASIN FILTER INSERT

SCALE: NONE



WATER SERVICE CONNECTION

SCALE: NONE
WTR-104-CT

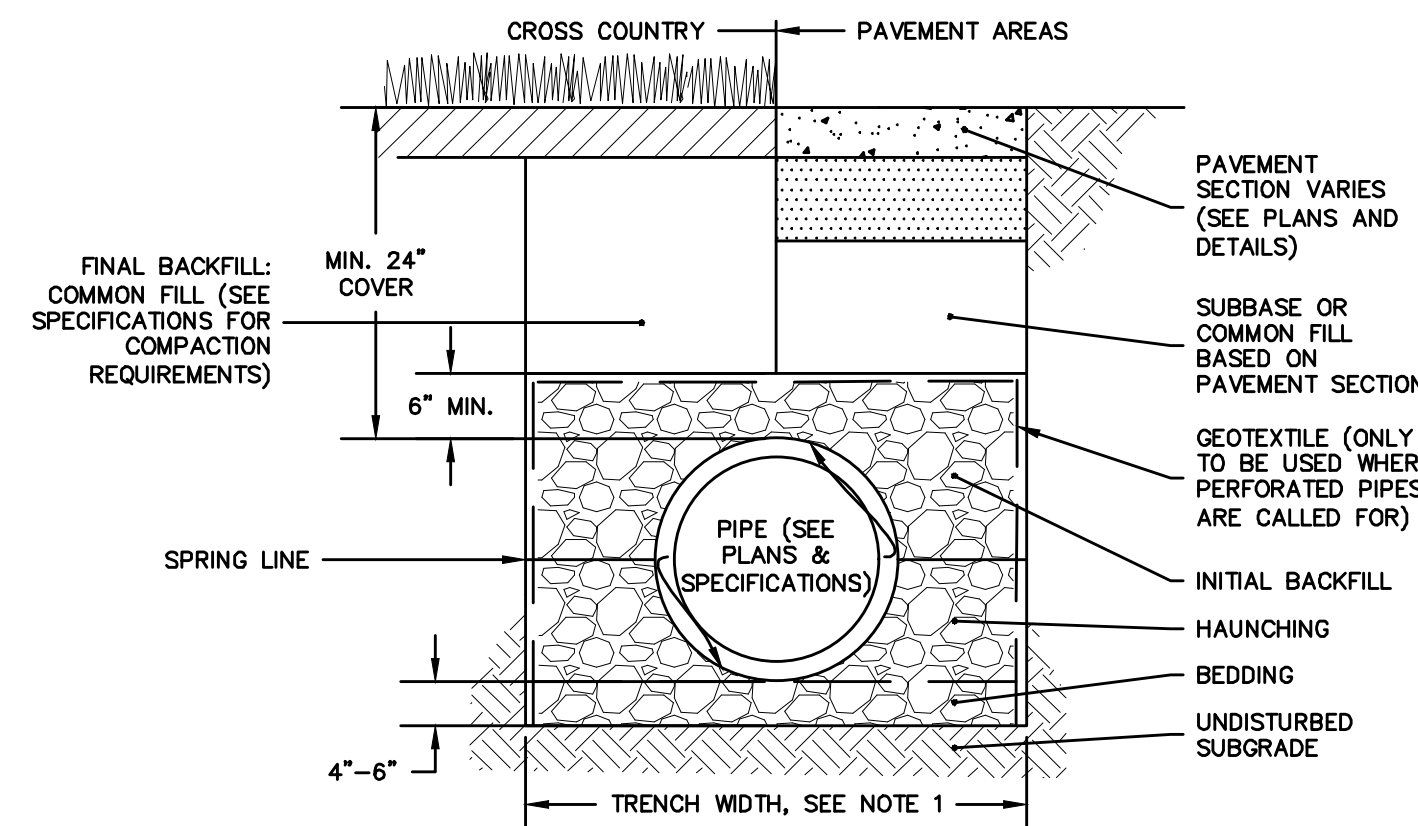


NOTES:

1. CONSTRUCT WASHOUT AREA LARGE ENOUGH TO ENSURE MATERIALS WILL BE CONTAINED WHERE WASTE CONCRETE CAN SOLIDIFY IN PLACE AND EXCESS WATER CAN SAFELY EVAPORATE.
2. WASHOUT AREA SHALL BE LARGE ENOUGH TO RETAIN ALL LIQUID AND WASTE CONCRETE MATERIALS FROM WASHOUT OPERATION.
3. WEEKLY INSPECTIONS OF WASHOUT AREAS SHALL BE CONDUCTED TO ASSESS THE HOLDING CAPACITY AND FUNCTIONALITY OF THE WASHOUT AREA.

TEMPORARY CONCRETE WASHOUT AREA

SCALE: NONE

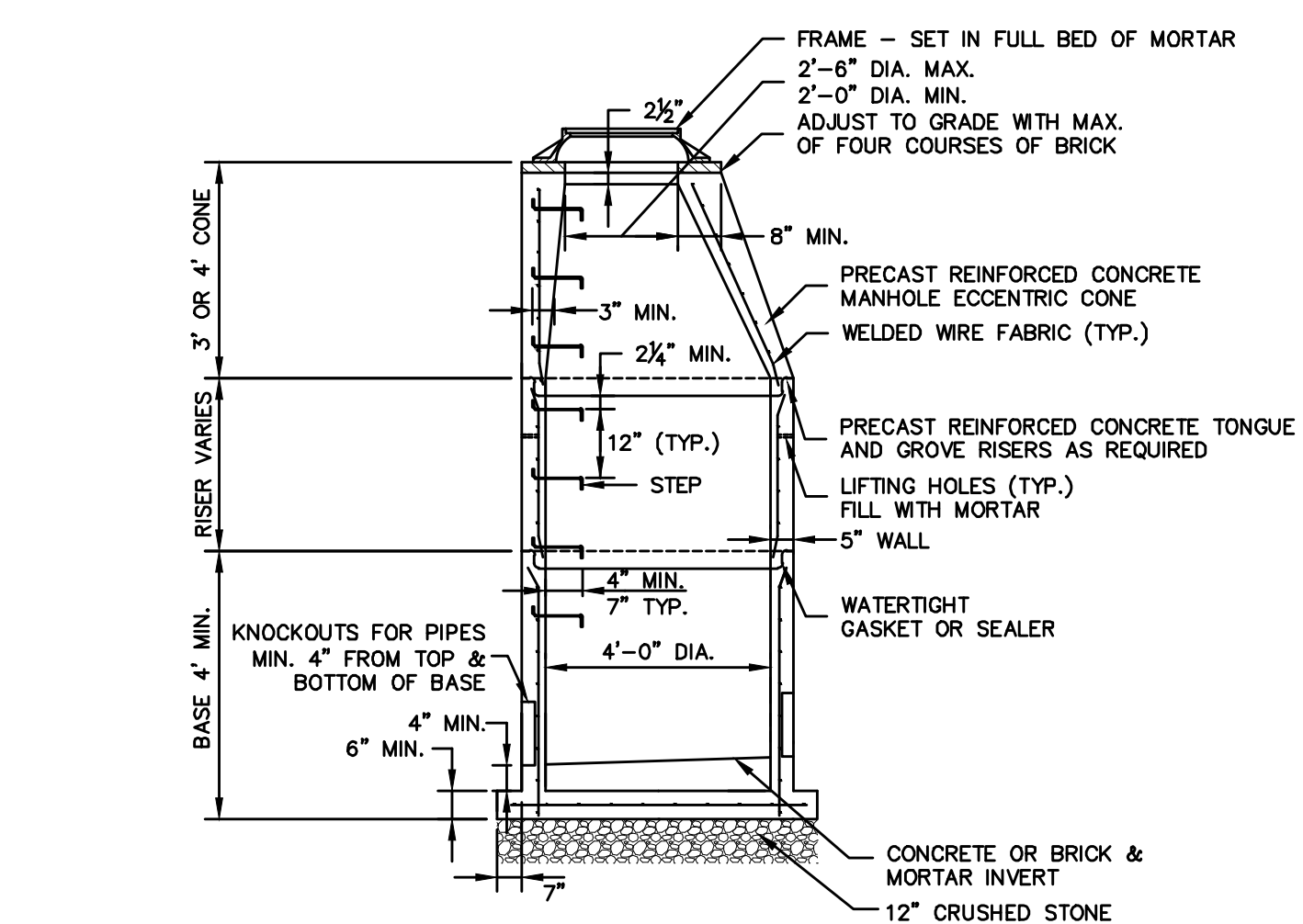


NOTES:

1. WHERE TRENCH WALLS ARE STABLE OR SUPPORTED, PROVIDE A WIDTH SUFFICIENT, BUT NO GREATER THAN NECESSARY, TO ENSURE WORKING ROOM TO PROPERLY PLACE AND COMPACT HAUNCHING AND OTHER EMBEDMENT MATERIALS, UNLESS OTHERWISE SPECIFIED BY THE PIPE MANUFACTURER, THE SPACE BETWEEN THE PIPE AND TRENCH WALL MUST BE WIDER THAN THE COMPACTION EQUIPMENT USED IN THE PIPE ZONE. MINIMUM WIDTH SHALL BE NOT LESS THAN THE GREATER OF EITHER THE PIPE OUTSIDE DIAMETER PLUS 16 INCHES OR THE PIPE OUTSIDE DIAMETER TIMES 1.25, PLUS 12 INCHES.
2. WHERE PERFORATED PIPES ARE CALLED-FOR, BEDDING, HAUNCHING, AND INITIAL BACKFILL SHALL BE CONDOT NO. 6 CRUSHED STONE SHALL MEET THE REQUIREMENTS OF FORM 816 M.O.B.
3. WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL PER THE SPECIFICATIONS, AS AN ALTERNATIVE, AND AT THE DISCRETION OF THE ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL UNDER SOME CIRCUMSTANCES.
4. BEDDING, HAUNCHING, AND INITIAL BACKFILL SHALL BE CONDOT NO. 6, NO. 67, OR NO. 8 AGGREGATE OR OTHER MATERIALS MEETING THE REQUIREMENTS OF ASTM D2321 FOR CLASS IA, IB, II, OR III UNLESS OTHERWISE INDICATED BY THE PIPE MANUFACTURER.

TYPICAL TRENCH SECTION - THERMOPLASTIC DRAINAGE PIPE

SCALE: NONE

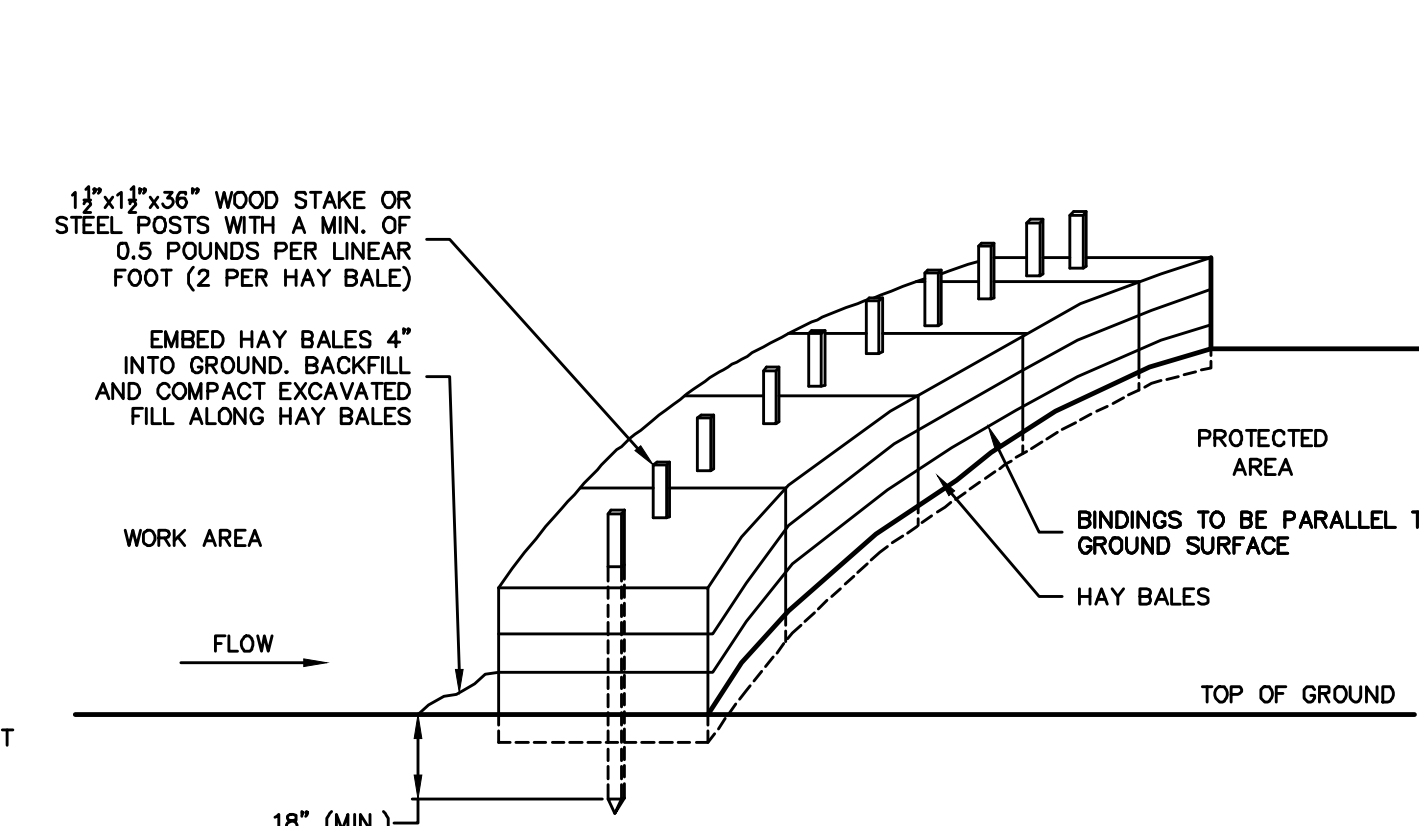


GENERAL NOTES:

1. 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' OR 6' BASES AS DIRECTED BY THE ENGINEER. WALL THICKNESS TO INCREASE 1" FOR EACH 1' OF INSIDE DIAMETER INCREASE.
2. FRAME DIAMETER OF 3'-3" WITH 4" FLANGE MUST BE USED WHEN THE TOP DIA. OF THE PRECAST CONE IS LESS THAN 3'-6". ALL OTHER FRAME DIMENSIONS ARE TO REMAIN THE SAME.
3. MINIMUM CONCRETE COMPRESSIVE STRENGTH OF F'c = 4000 PSI SHALL BE OBTAINED PRIOR TO SHIPPING.

STORM DRAINAGE MANHOLE

SCALE: NONE
STM-109-CT

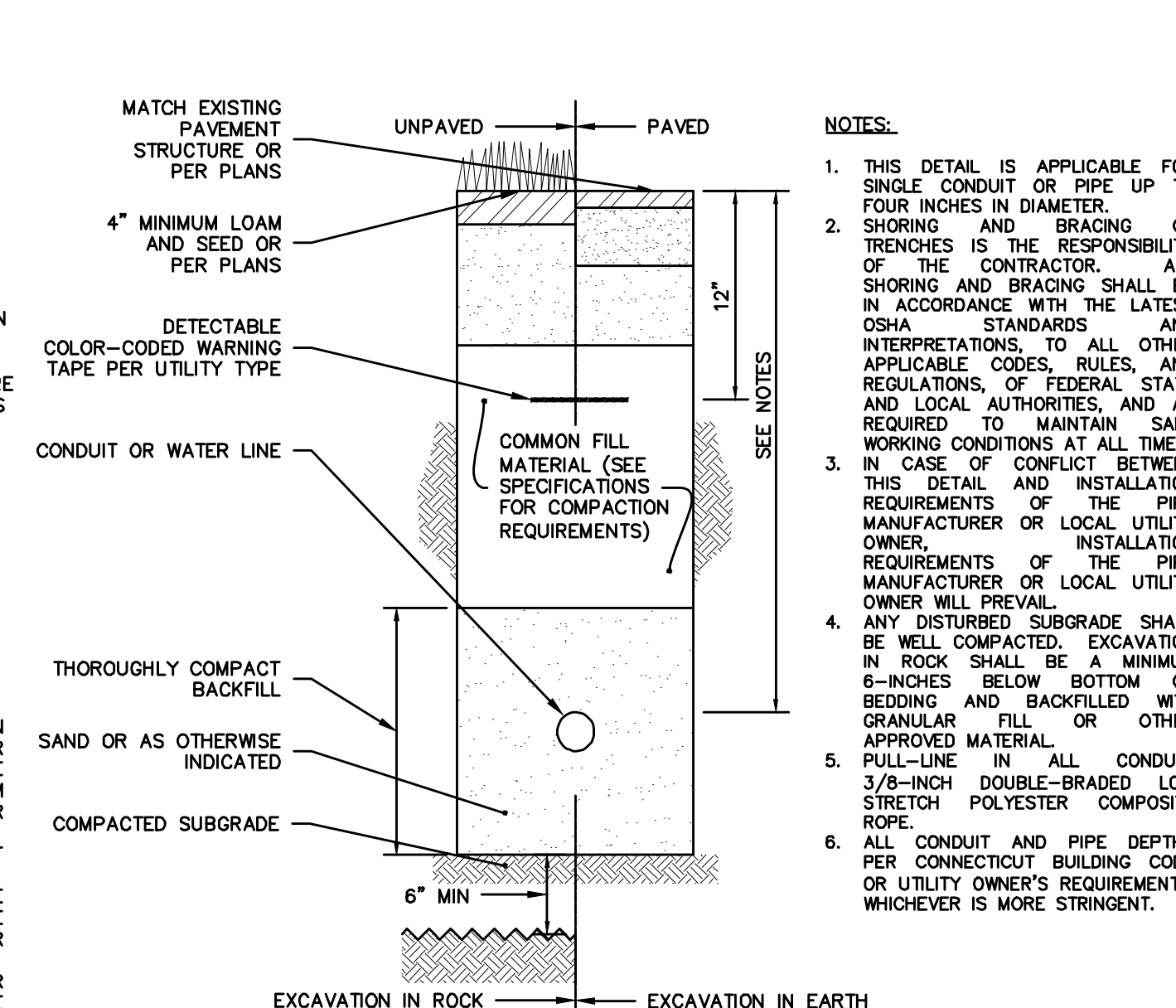


GENERAL NOTES:

1. HAY BALES SHALL BE MADE OF HAY OR STRAW WITH 40 POUND MIN. WEIGHT AND 120 POUND MAX. WEIGHT HELD TOGETHER BY TWINE OR WIRE.
2. PLACE HAY BALES ON CONTOUR AND WING THE LAST HAY BALES UP SLOPE SO THAT THE TOP OF THE LAST SEVERAL HAY BALES ARE HIGHER THAN THE LINE OF HAY BALES.
3. DRIVE FIRST STAKE IN EACH BALE TOWARD THE PREVIOUSLY LAID BALE TO FORCE THEM TOGETHER.
4. PUT ONE HAY BALE PERPENDICULAR ALONG HAY BALE BARRIER EACH 100 FEET.

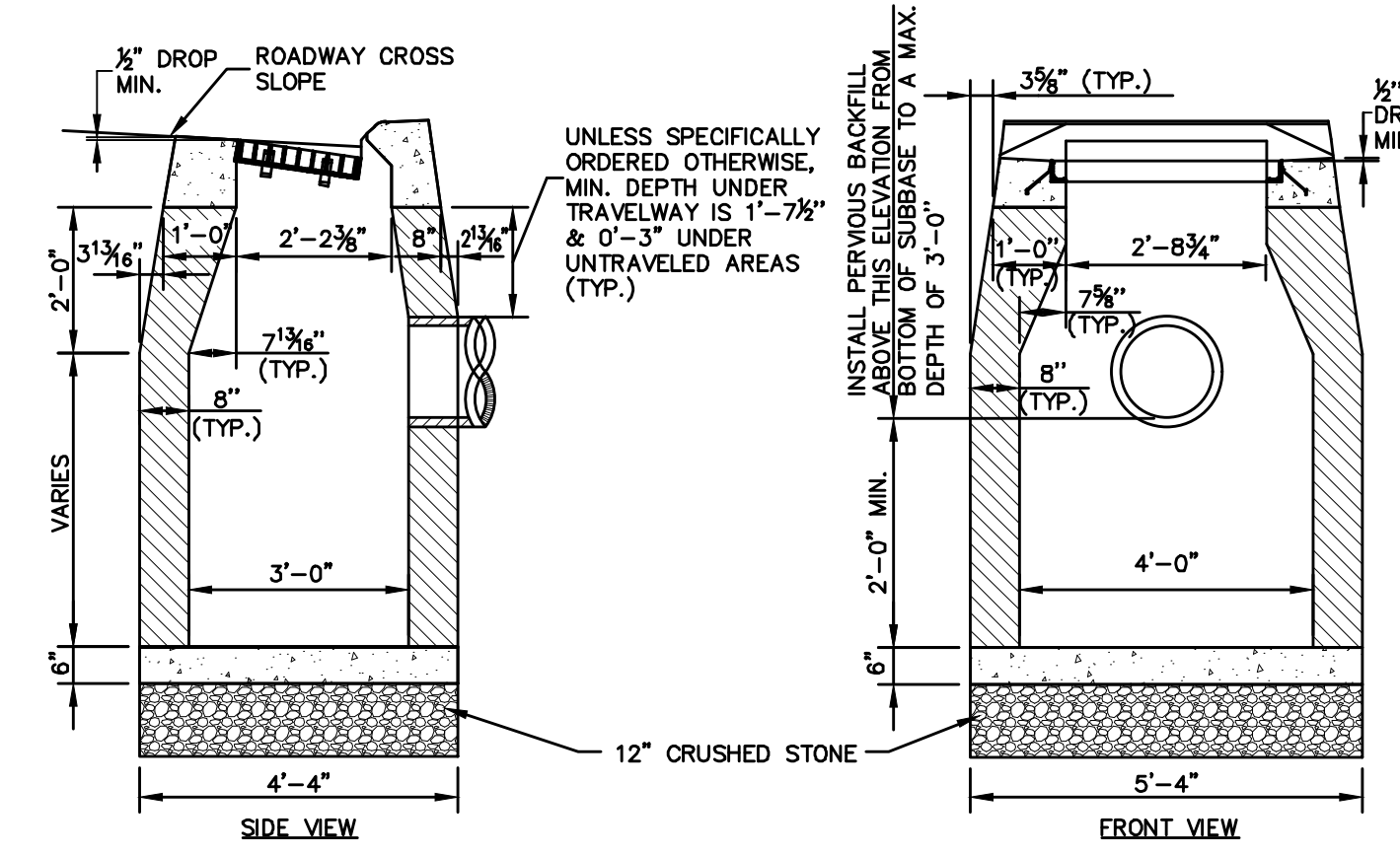
STRAW BALE BARRIER

SCALE: NONE
EC-106-CT



CONDUIT OR WATER SERVICE TRENCH

SCALE: NONE

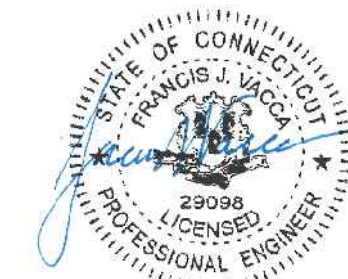


GENERAL NOTES:

1. FRAME AND GRATE SHALL BE CONSTRUCTED PER SPECIFICATIONS.
2. ALL FACES OF STRUCTURES IN CONTACT WITH PAVEMENT SHALL BE COVERED WITH TAR PAPER OR APPROVED EQUAL.
3. TO CONVEY SUBSURFACE DRAINAGE, OPENINGS SHALL BE FORMED IN THE FOUR WALLS AT OR IMMEDIATELY ABOVE THE BOTTOM OF PERVIOUS BACKFILL.
4. WALL THICKNESS OF ALL CB'S OVER 10' DEEP SHALL BE INCREASED TO 12" THICK. INSIDE DIMENSION SHALL REMAIN THE SAME. (12" THICKNESS WILL START AFTER THE FIRST 10').
5. USE APPROPRIATE CONCRETE TOP FOR CURBING SHOWN ON PLANS, OR AS DIRECTED BY THE ENGINEER.
6. MINIMUM CONCRETE COMPRESSIVE STRENGTH OF F'c = 4000 PSI SHALL BE OBTAINED PRIOR TO SHIPPING.

TYPE "C" CATCH BASIN

SCALE: NONE
STM-101-CT



FRANCIS J. VACCA, PE No. 29098

PIERSON SCHOOL RESIDENTIAL REDEVELOPMENT

75 EAST MAIN STREET

IN
CLINTON
CONNECTICUT
(MIDDLESEX COUNTY)

DETAILS

AUGUST 27, 2024

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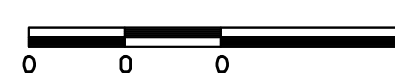
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PO BOX 413
BEDFORD, NY 10506



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SCALE: 1"=1'

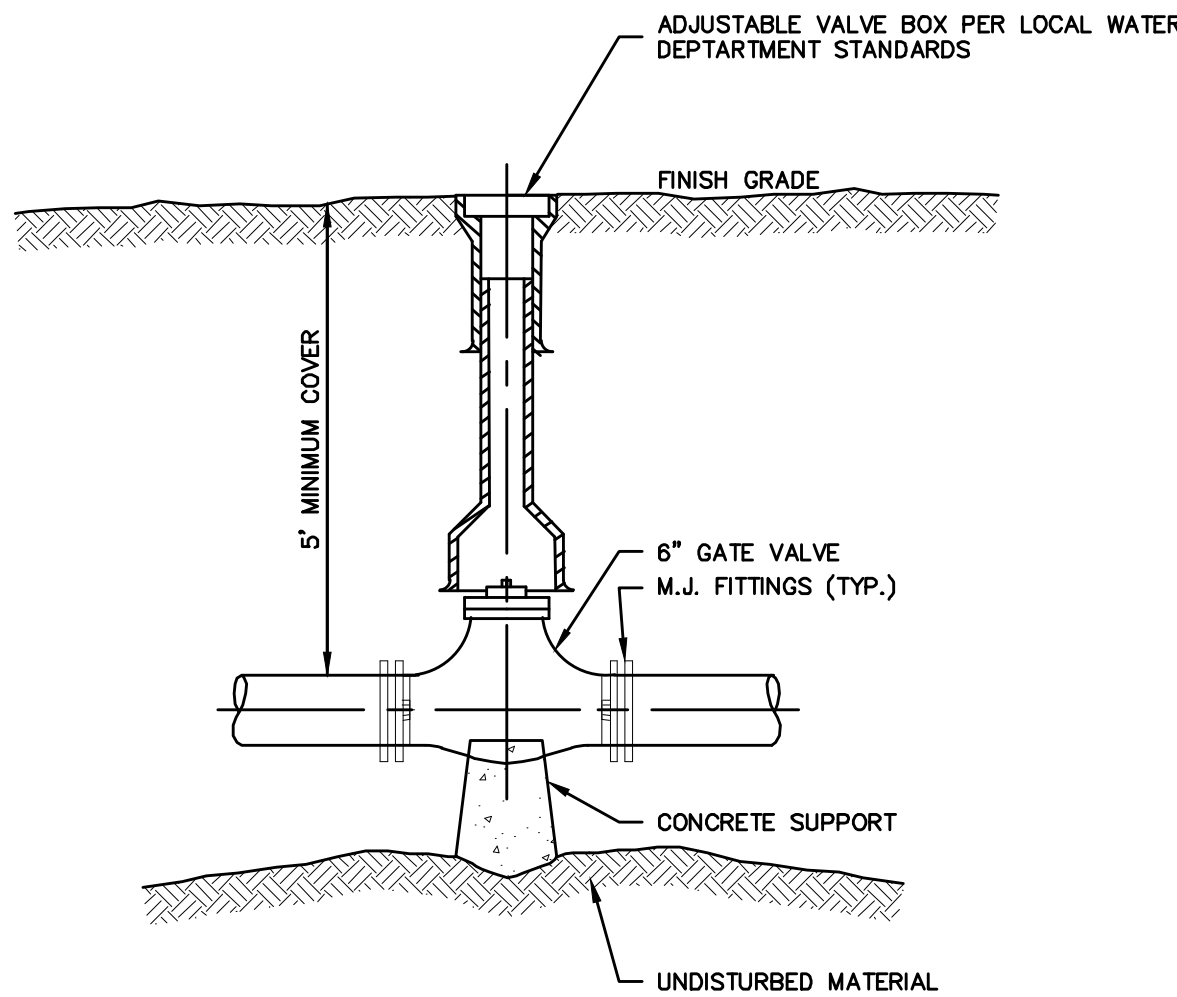


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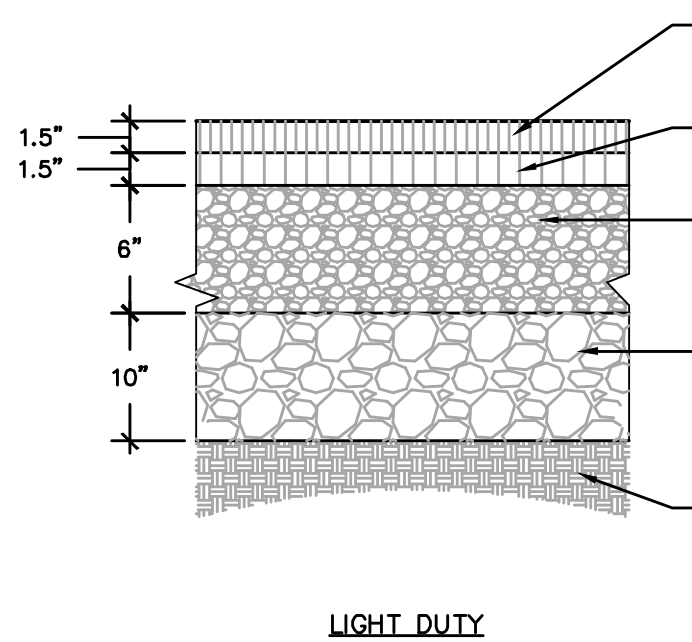
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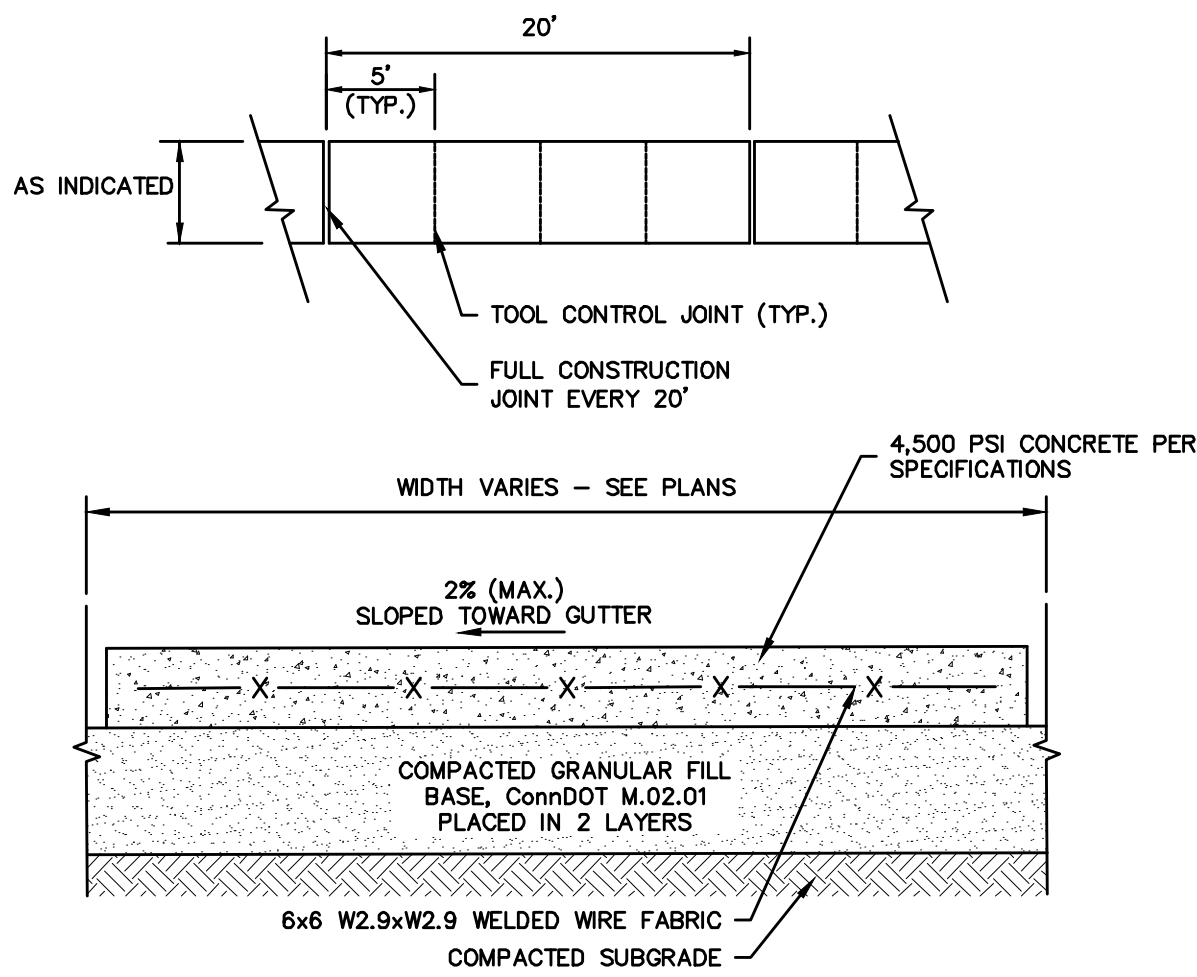
GATE VALVE

SCALE: NONE
WTR-102-CT



TYPICAL ASPHALT PAVING

SCALE: NONE

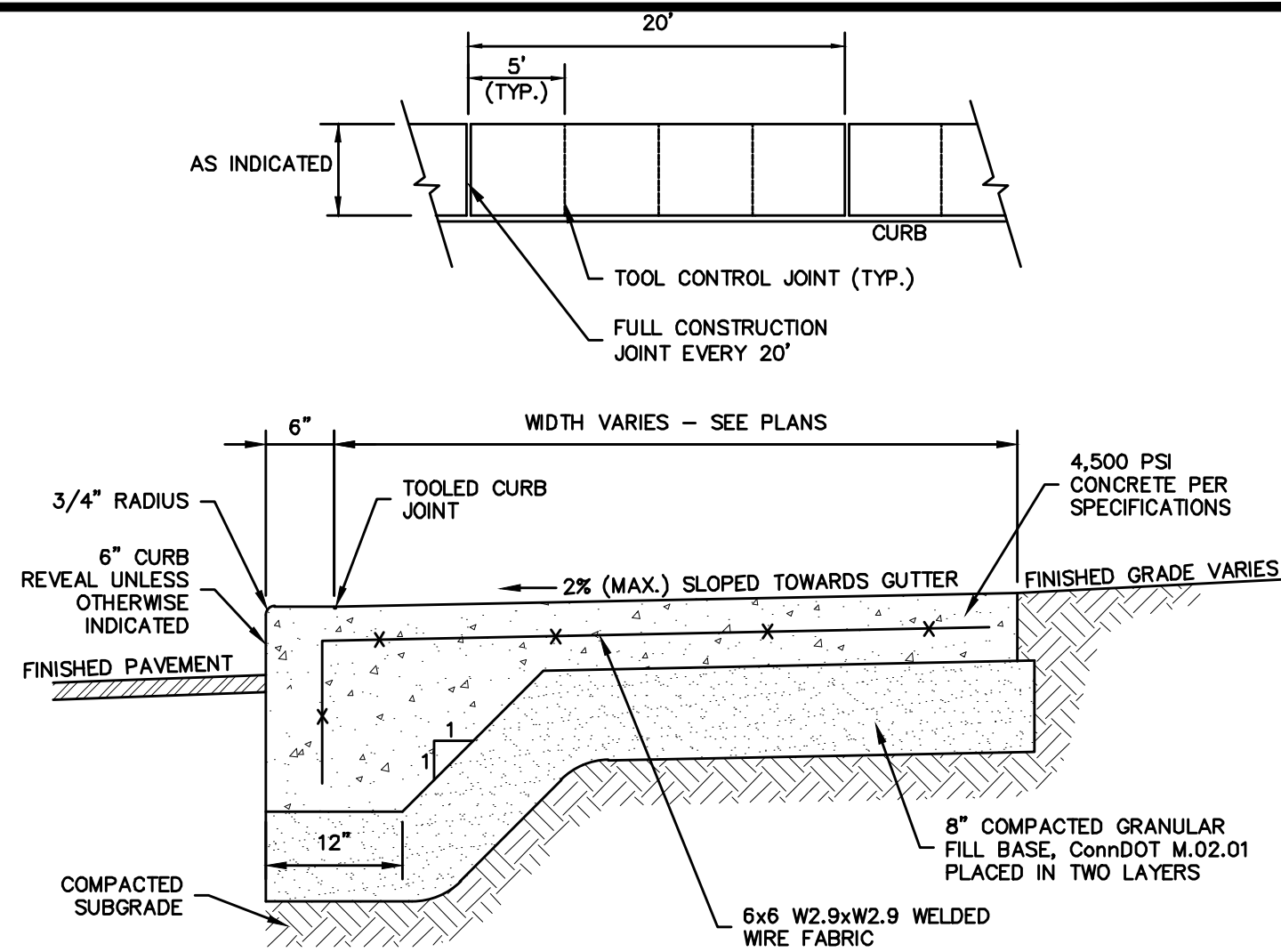


NOTES:

- TOOLED CONTROL JOINTS SHALL BE 1/4 SLAB THICKNESS. TOOL JOINTS EARLY IN THE FINISHING PROCESS AND RE-RUN TO ENSURE GROOVE BOND HAS NOT OCCURRED.
- FULL-DEPTH JOINTS SHALL INCORPORATE FULL-DEPTH JOINT FILLER PER SPECIFICATIONS AND DETAILS.
- SIDEWALK SHALL HAVE LIGHT BROOM FINISH PERPENDICULAR TO THE DIRECTION OF TRAVEL.

CONCRETE SIDEWALK

SCALE: NONE

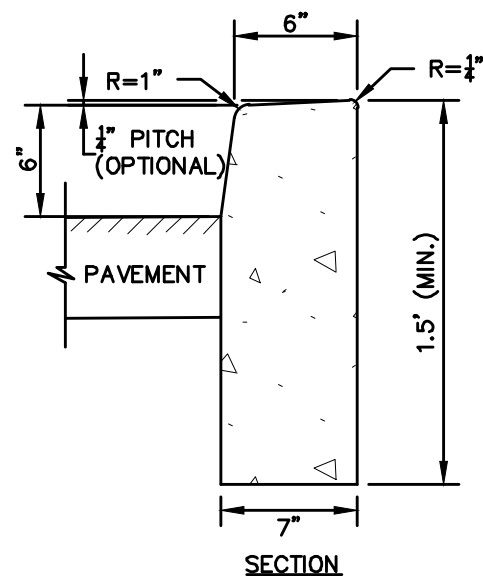


NOTES:

- CURB REVEAL DIMENSION MAY VARY, SEE PLANS.
- TOOLED CONTROL JOINTS SHALL BE 1/4 SLAB THICKNESS. TOOL JOINTS EARLY IN THE FINISHING PROCESS AND RE-RUN TO ENSURE GROOVE BOND HAS NOT OCCURRED.
- TOOLED CURB JOINT SHALL BE 1/4-INCH DEEP MAX.
- CONSTRUCTION JOINTS SHALL INCORPORATE FULL-DEPTH JOINT FILLER PER SPECIFICATIONS AND DETAILS.
- SIDEWALKS SHALL HAVE LIGHT BROOM FINISH PERPENDICULAR TO THE DIRECTION OF TRAVEL.

MONOLITHIC CONCRETE CURB AND SIDEWALK

SCALE: NONE

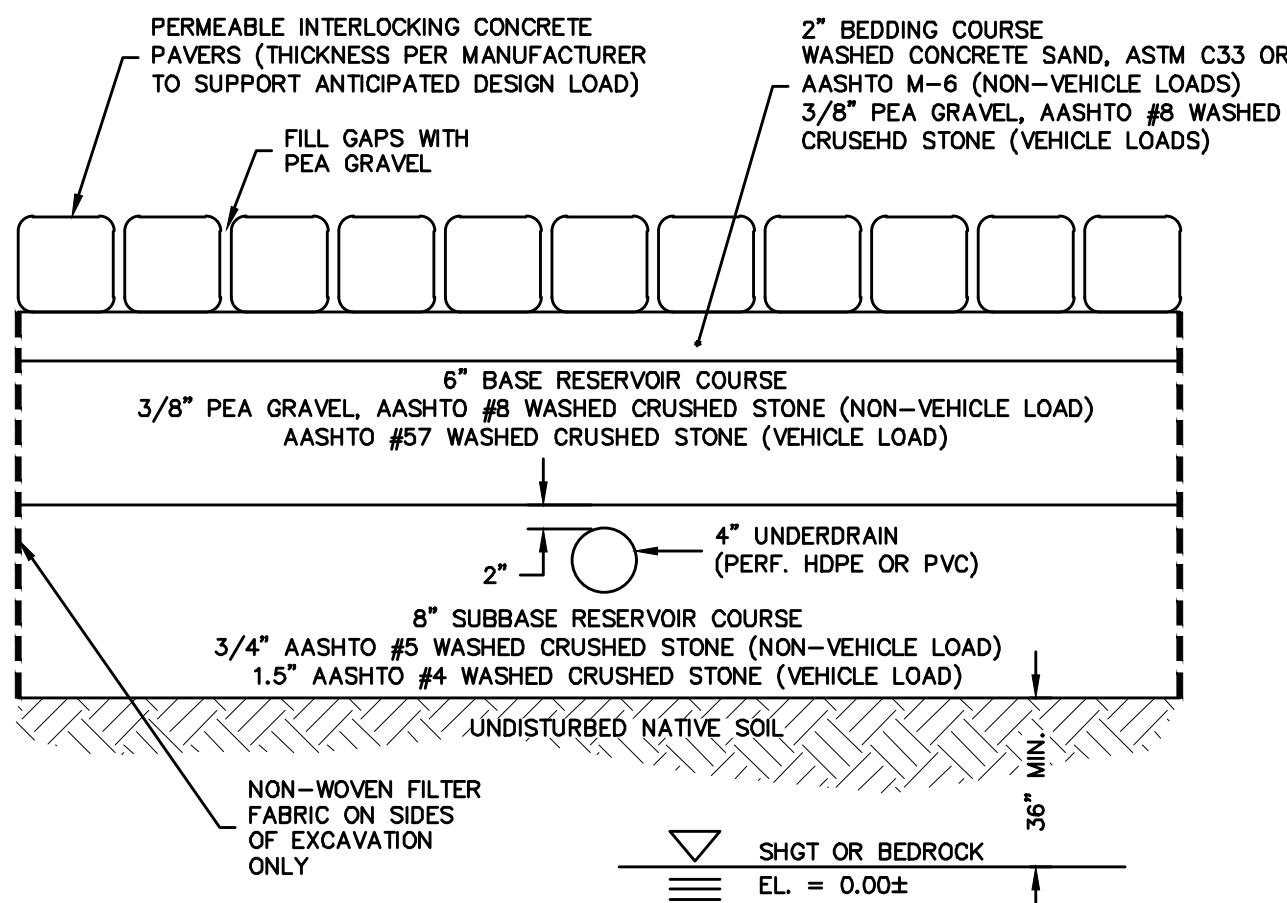


GENERAL NOTE

CURB LENGTHS SHALL CORRESPOND TO THE CONCRETE SIDEWALK TILE LENGTH, IF APPLICABLE. 1/2" EXPANSION JOINTS SHALL SEPARATE CURB SECTIONS.

6" CONCRETE CURBING

SCALE: NONE
CRB-105-CT

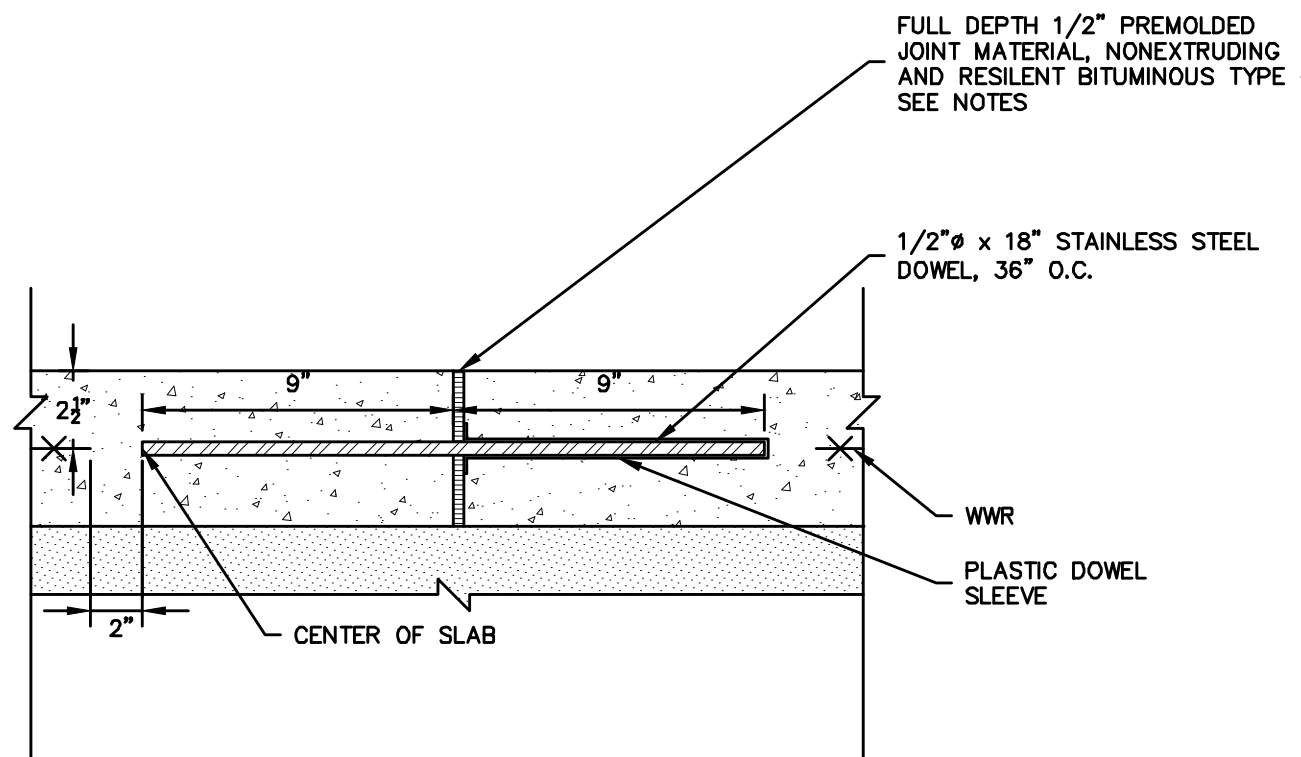


NOTES:

- DESIGN, CONSTRUCTION, AND MAINTENANCE OF PERMEABLE PAVERS SHALL BE IN ACCORDANCE WITH THE 2024 CT STORMWATER QUALITY MANUAL (NOM), CHAPTER 13, PERMEABLE PAVEMENT.
- NON-WOVEN FILTER FABRIC SHALL COMPLY WITH CT DOT FORM 818 M.08.01.19.
- THE EXISTING NATIVE SUBGRADE MATERIAL SHALL NOT BE COMPACTED OR SUBJECTED TO EXCESSIVE CONSTRUCTION EQUIPMENT TRAFFIC.

PERMEABLE PAVERS

SCALE: NONE

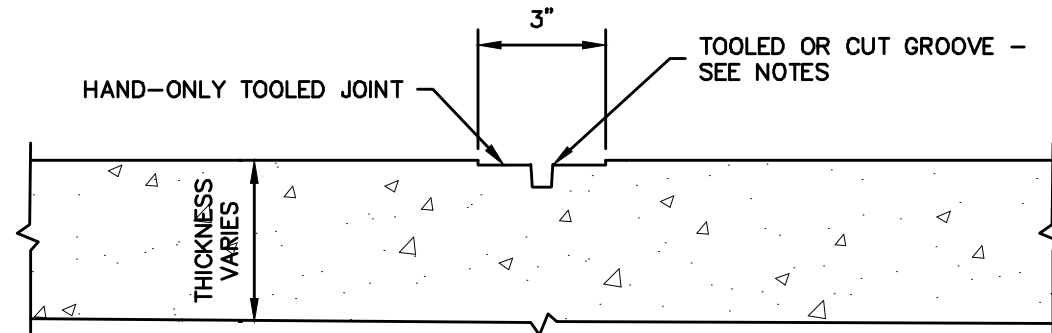


NOTES:

- PRIOR TO INITIATION OF CONCRETE FLATWORK, SUBMIT PROPOSED CONSTRUCTION JOINT PLAN TO THE ENGINEER FOR REVIEW AND APPROVAL. COORDINATE SUCH PLAN WITH THE JOINT PATTERNS DEPICTED ON THE DRAWINGS.
- FORM CONSTRUCTION JOINTS WITH BULKHEAD/FORMWORK TO ENSURE A SMOOTH, CLEAN EDGE FREE OF SAGS OR IRREGULARITIES.
- ENSURE PROPER CURING OF THE VERTICAL FACE AFTER REMOVAL OF BULKHEAD/FORMWORK BY APPLYING A LIQUID CURING COMPOUND OR PLASTIC SHEETING.
- UNLESS OTHERWISE SPECIFIED, CONSTRUCTION JOINTS SHALL BE CONSTRUCTED WITH JOINT FILLER. JOINT FILLER SHALL EXTEND THE FULL DEPTH OF THE SLAB AND SHALL EXTEND THE FULL LENGTH OF THE JOINT. USE OF MULTIPLE PIECES OF JOINT MATERIAL OF LESSER DIMENSIONS TO MAKE UP REQUIRED DEPTH AND WIDTH OF JOINT WILL NOT BE PERMITTED.
- WHERE JOINTS ARE TO RECEIVE FILLER, RECESS JOINT FILLER 1/4-INCH BELOW FINISH SURFACE OR AS OTHERWISE INDICATED ON THE DRAWINGS.

DOWELED CONSTRUCTION JOINT IN CONCRETE

SCALE: NONE

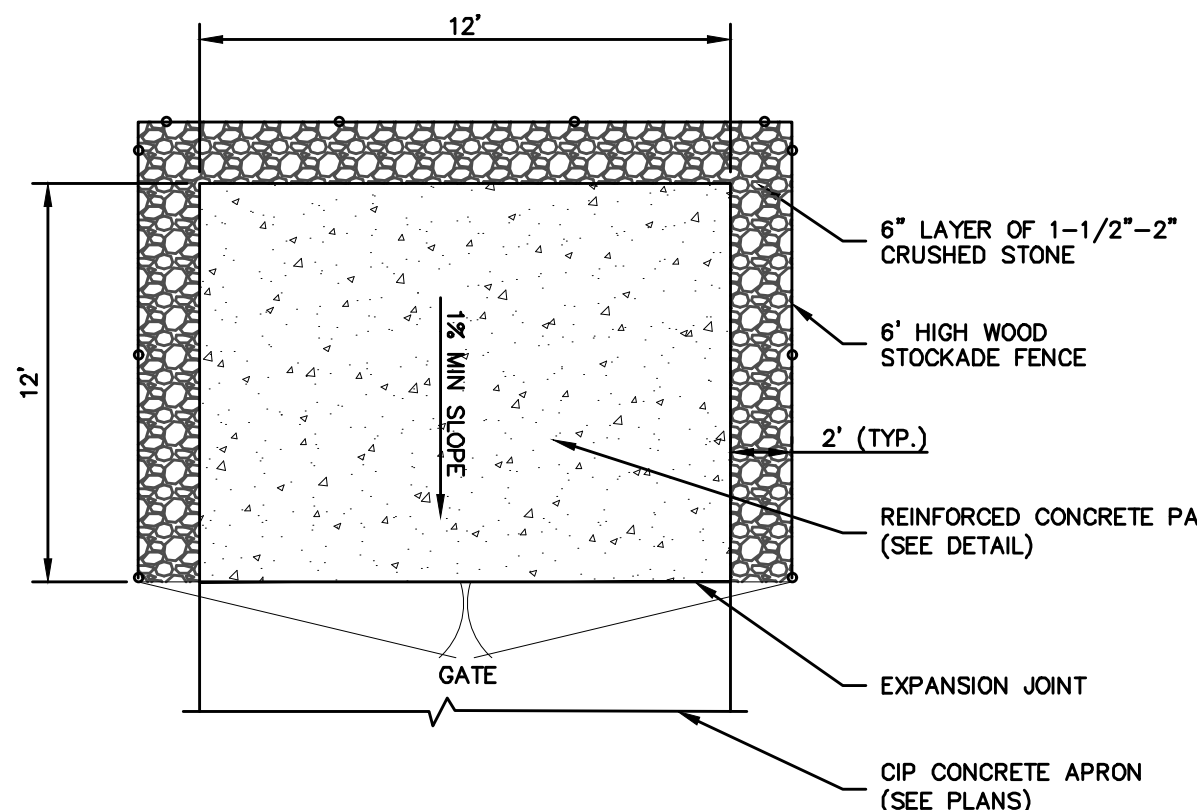


NOTES:

- JOINT GROOVE SHALL HAVE A MINIMUM DEPTH OF 1/4 SLAB THICKNESS.
- TOOLED JOINTS SHALL BE RUN EARLY IN THE FINISHING PROCESS AND RERUN LATER TO ENSURE GROOVE BOND HAS NOT OCCURRED.
- SAWCUT JOINTS MAX. WIDTH OF 1/8 INCH.

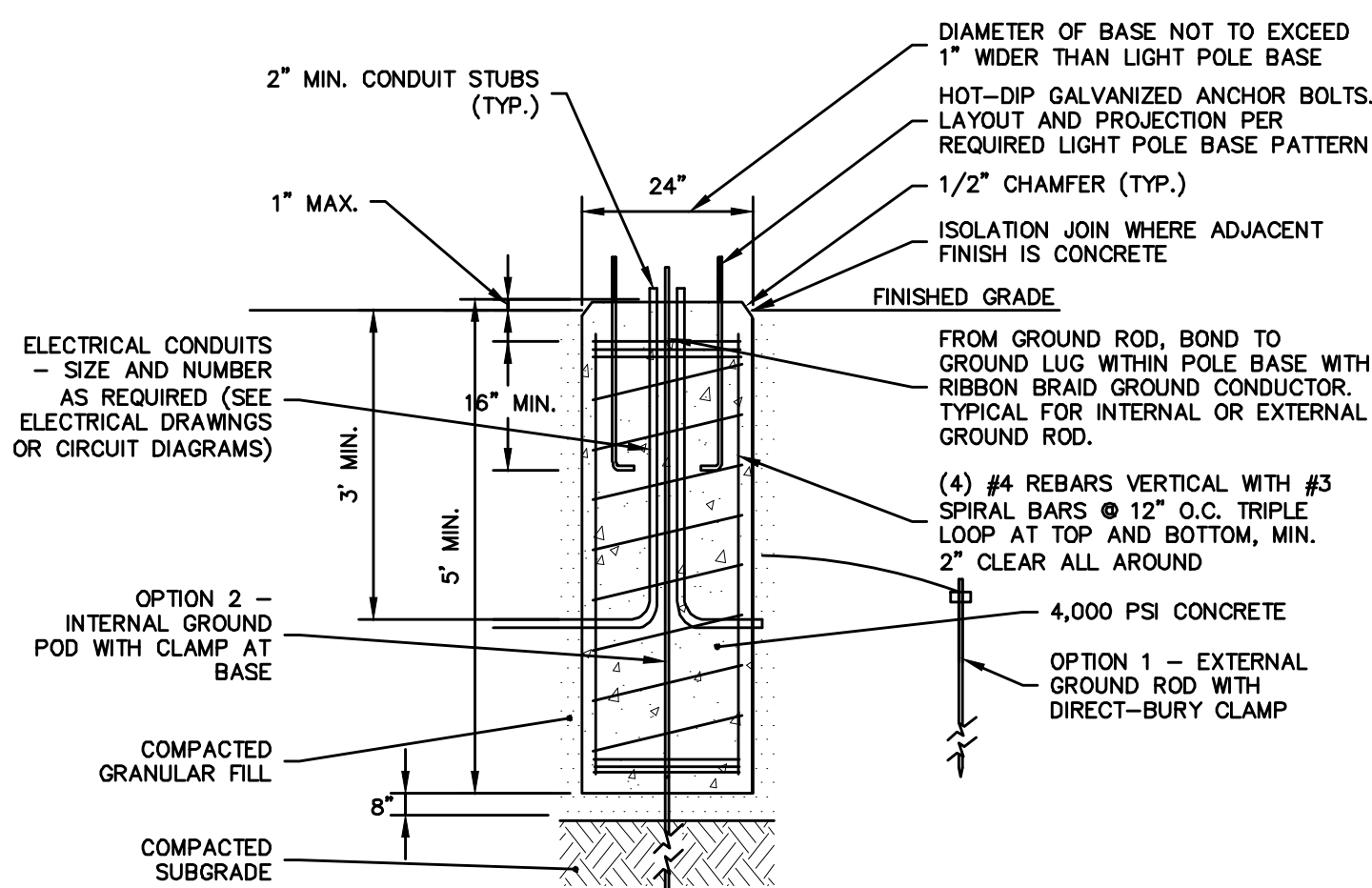
CONTROL JOINT IN CONCRETE

SCALE: NONE



DUMPSTER PAD

SCALE: NONE
PVT-106-CT

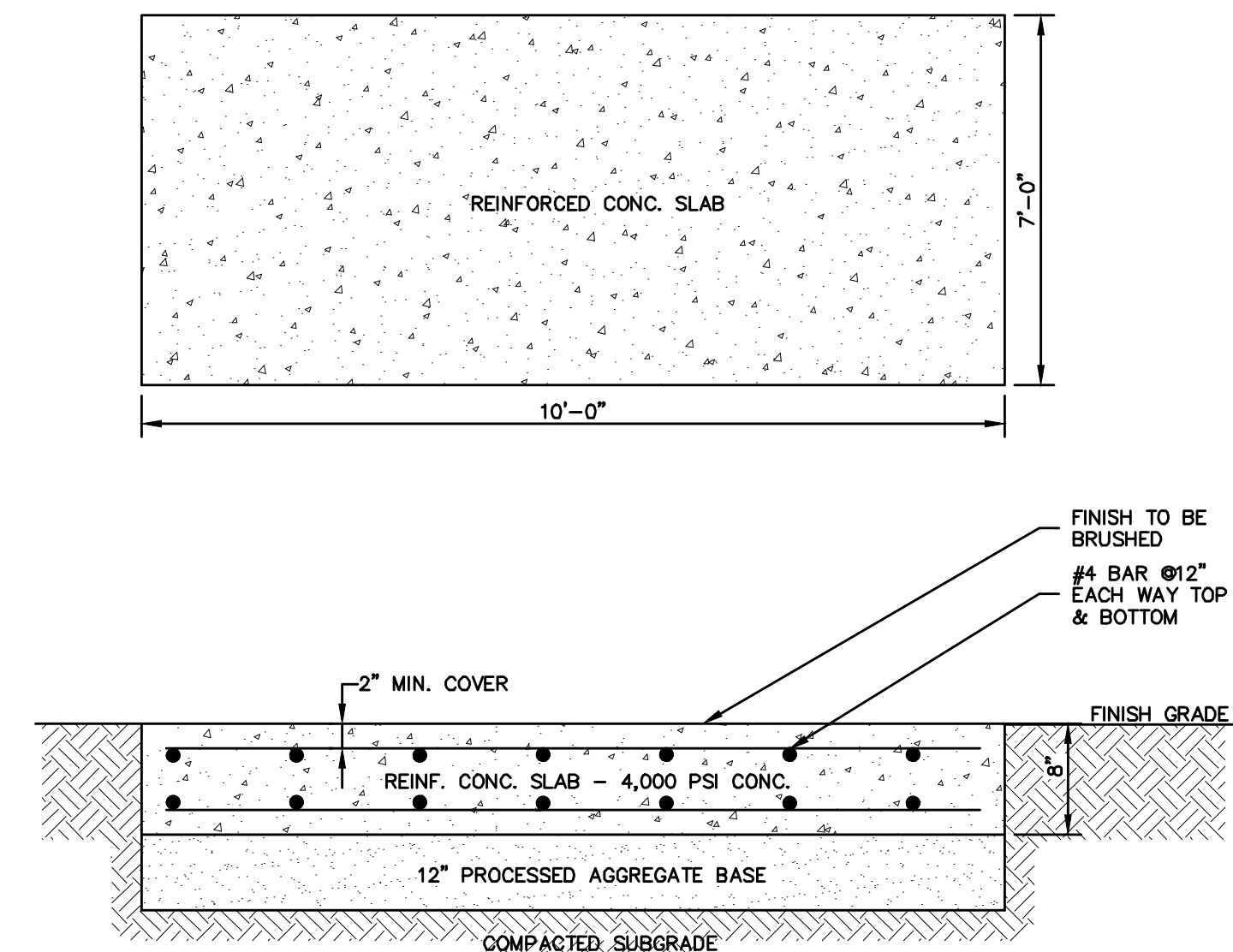


NOTES:

- REINFORCING BARS SHALL BE DEFORMED BAR, ASTM A615 GRADE 60.
- CONDUIT LOCATIONS SHOWN ARE CONCEPTUAL. REFER TO ELECTRICAL DRAWINGS OR CIRCUIT DIAGRAMS FOR THE NUMBER, SIZES, AND ORIENTATION REQUIRED.
- ALL GROUND RODS SHALL BE COPPER-COATED. DIAMETER AND LENGTH PER APPLICABLE CODES. GROUNDING WIRE SHALL BE NO. 4 AWG STRANDED COPPER WIRE UNLESS OTHERWISE SPECIFIED.
- ANCHOR BOLTS SHOWN ARE CONCEPTUAL. ANCHOR BOLT SPECIFICATIONS SHALL MEET THE POLE MANUFACTURER'S REQUIREMENTS FOR SIZE, LENGTH, AND GRADE, BASED ON POLE TYPE, HEIGHT, AND FIXTURE(S).

LIGHT POLE BASE

SCALE: NONE



REINFORCED CONCRETE PAD

SCALE: NONE



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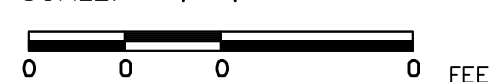
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BEDFORD, NY 10506



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06033 860 652 8227

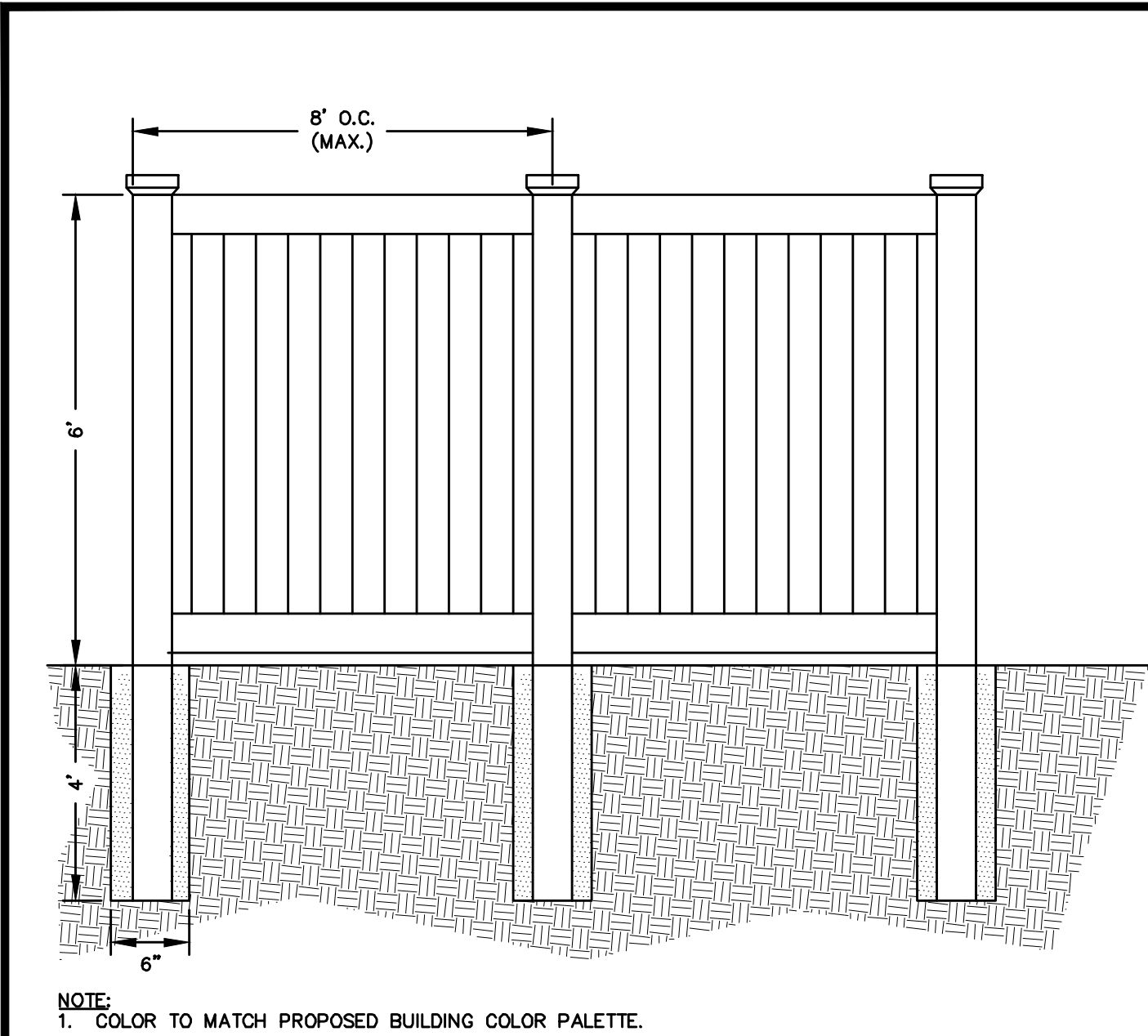
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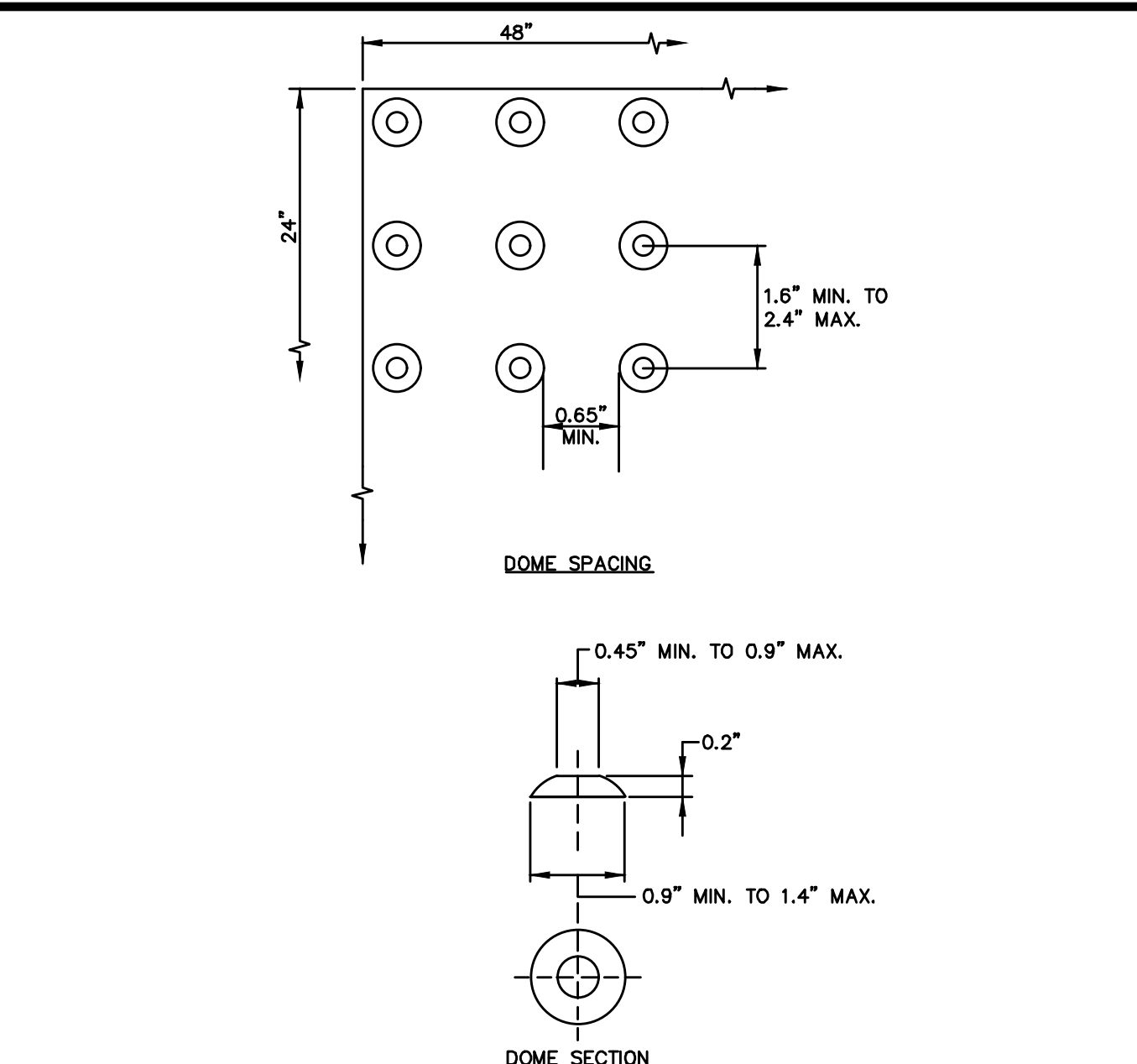


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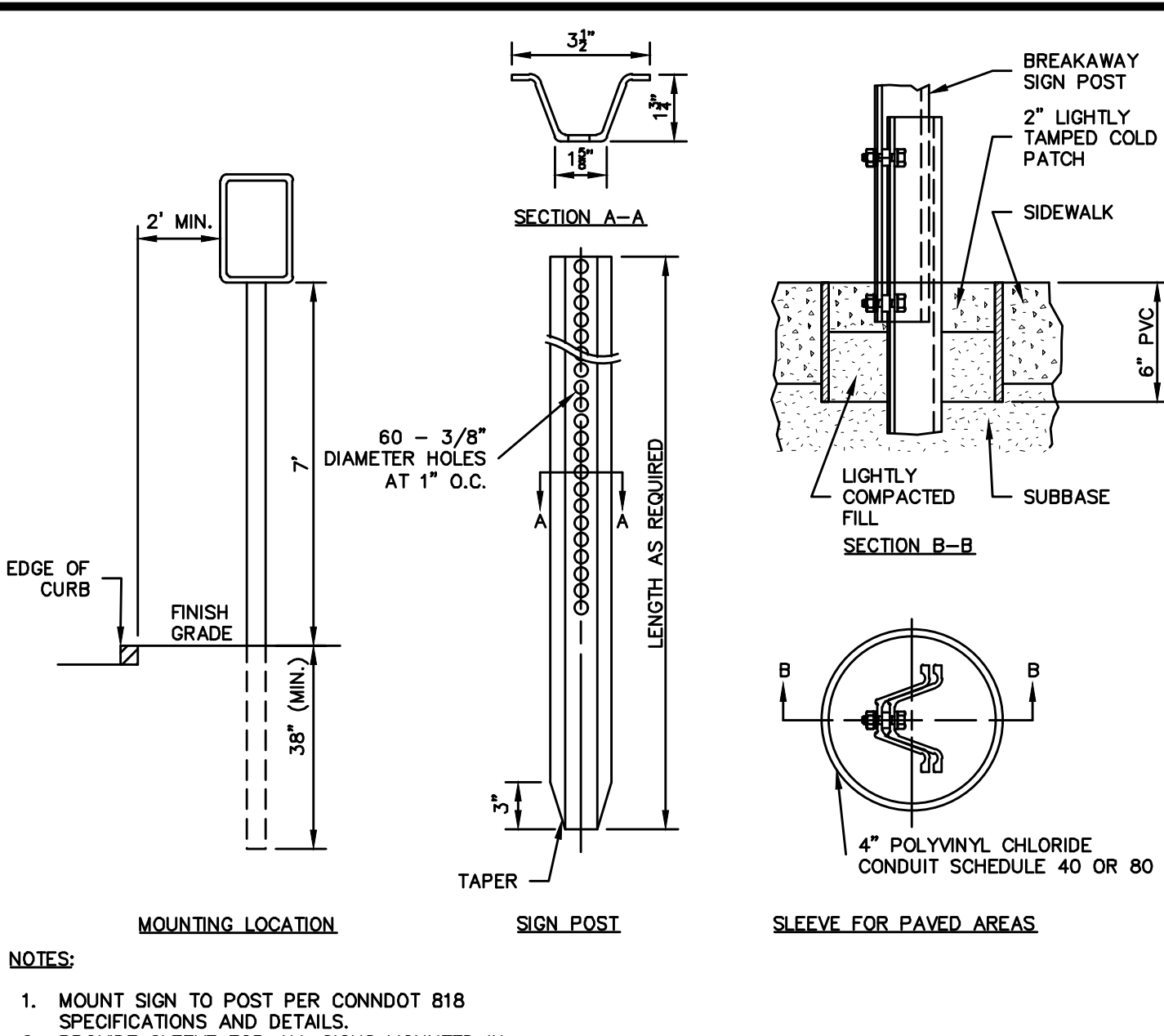
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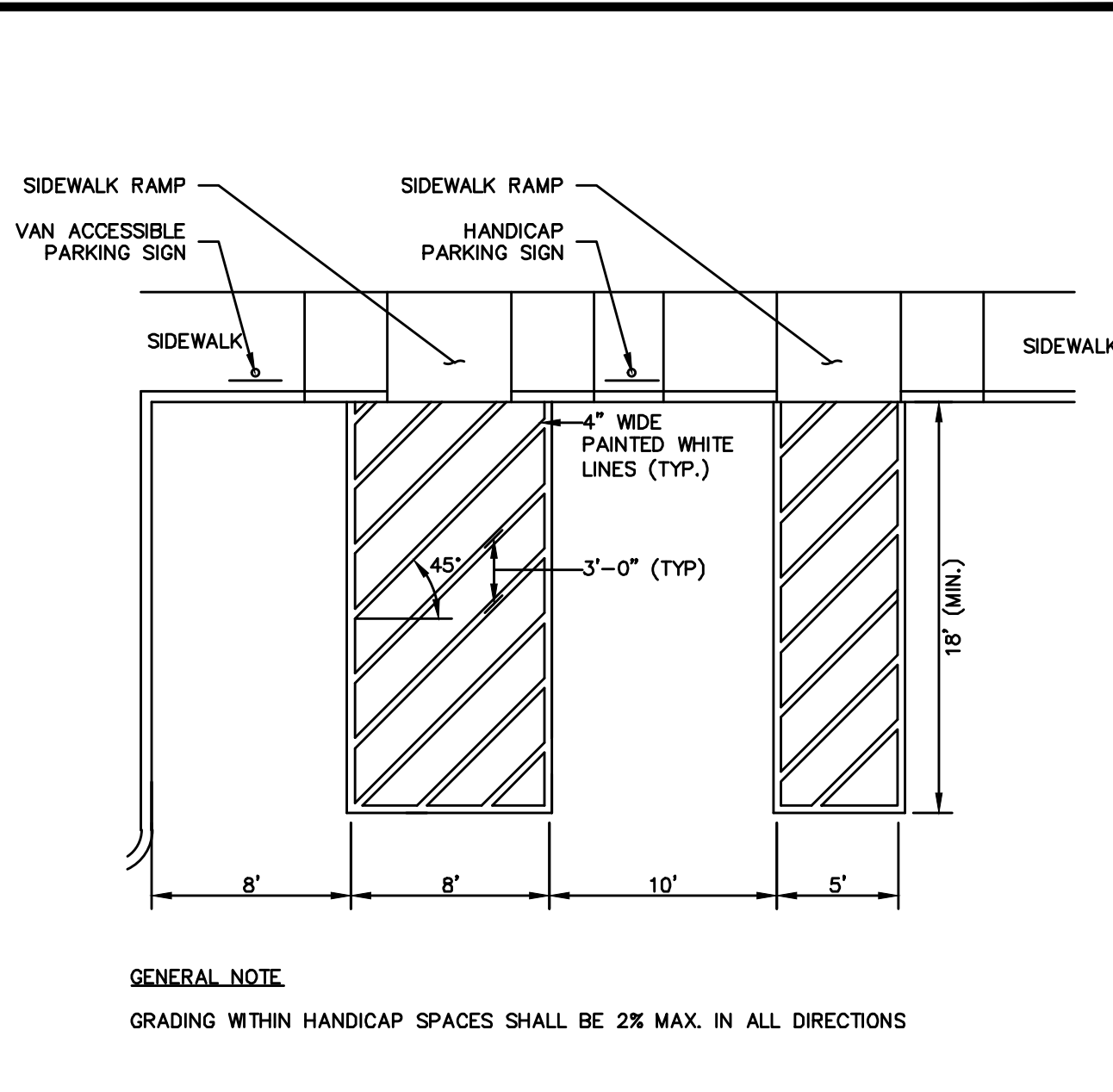
VINYL DUMPSTER FENCE
SCALE: NONE



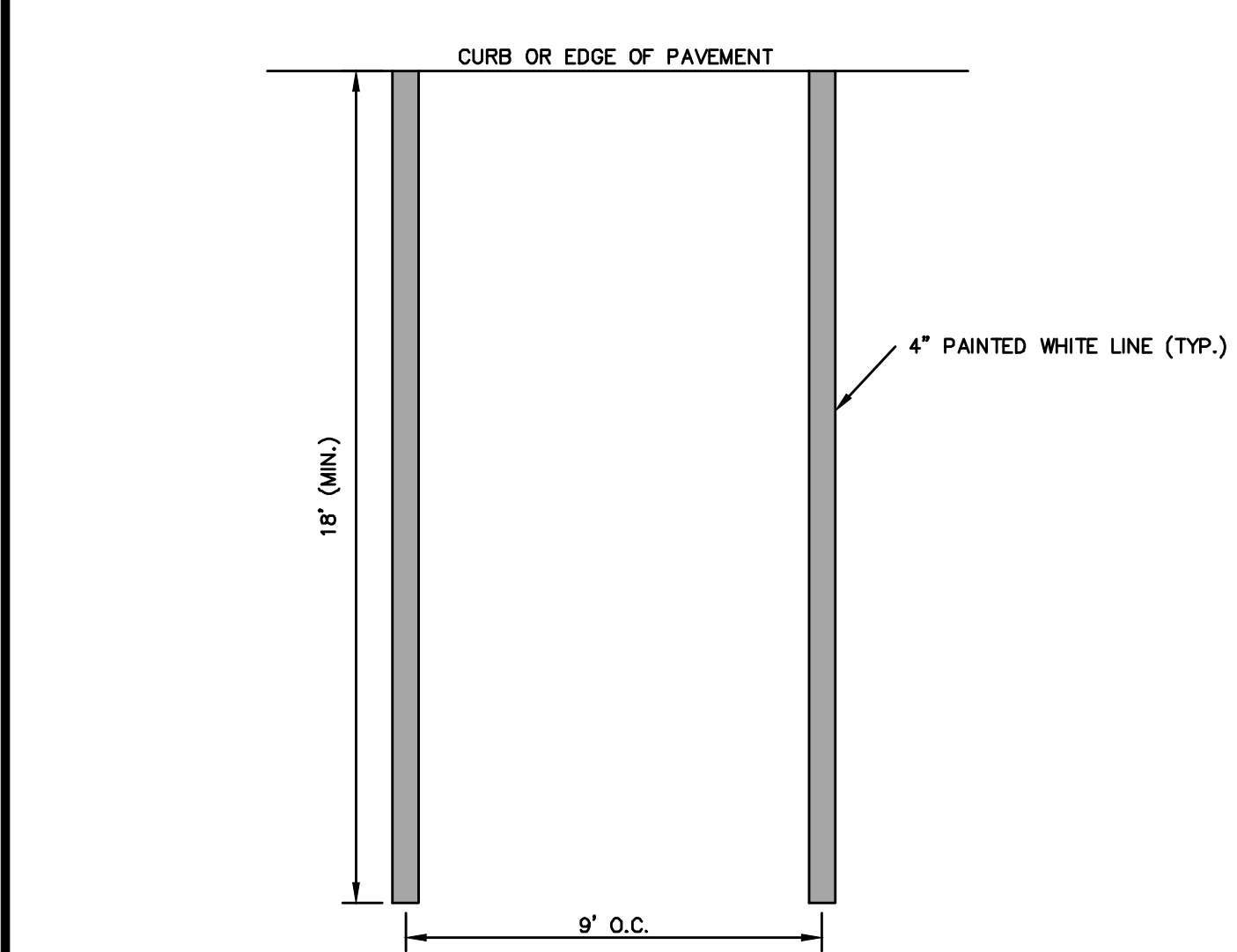
DETECTABLE WARNING STRIP
SCALE: NONE
HC-108-CT



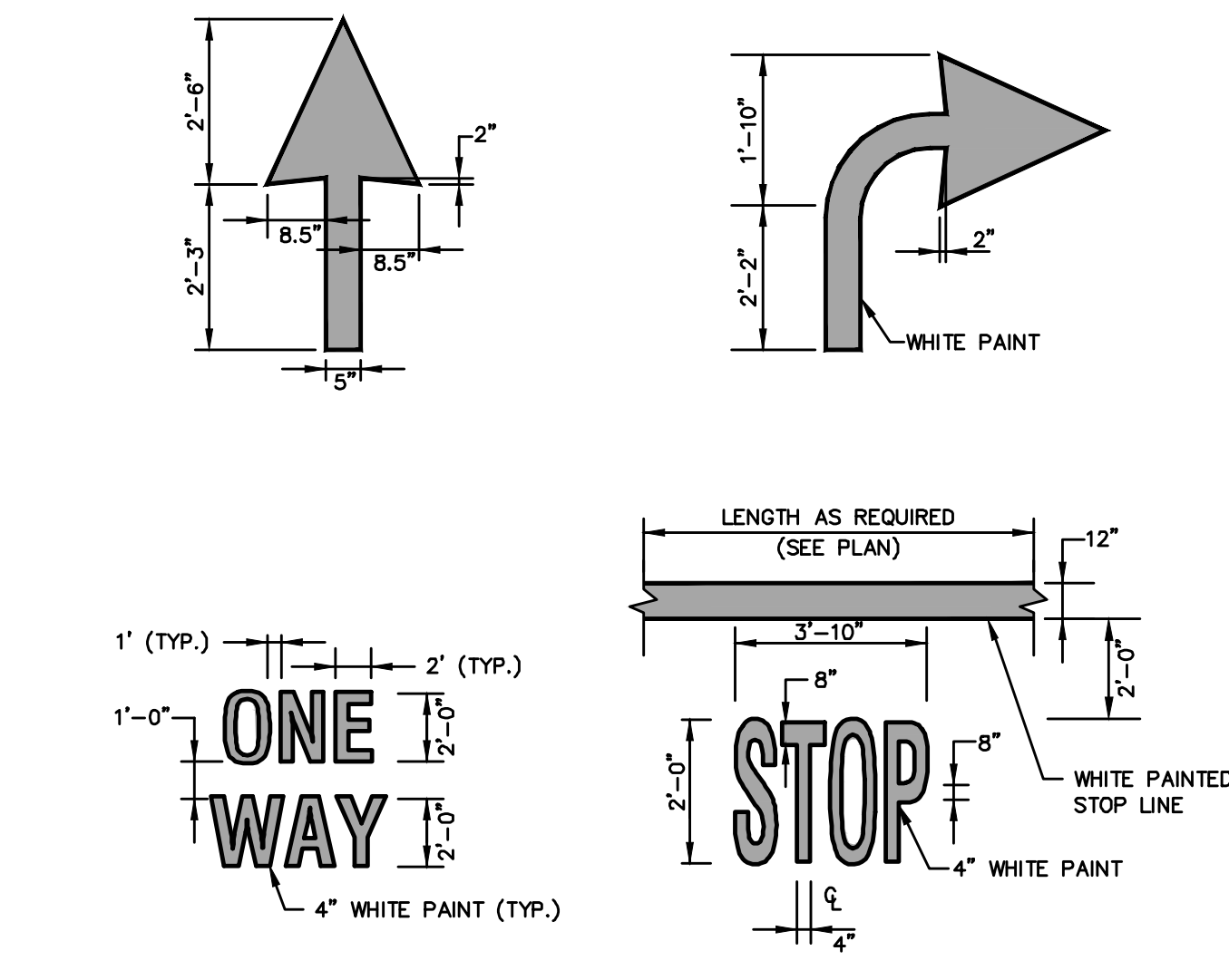
TYPICAL SIGN SUPPORT - BREAKAWAY TYPE II
SCALE: NONE



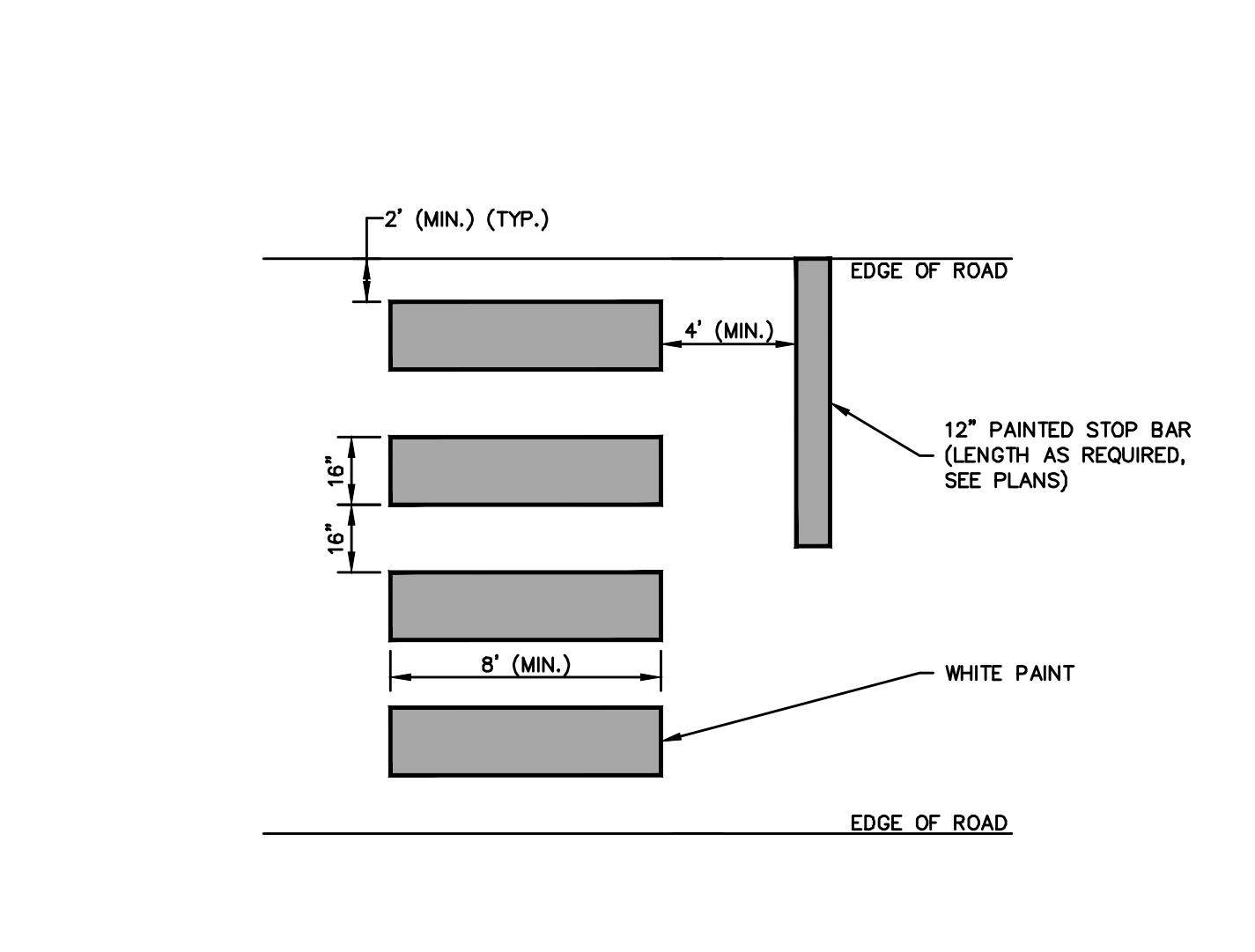
ACCESSIBLE PARKING SPACES
SCALE: NONE
HC-110-CT



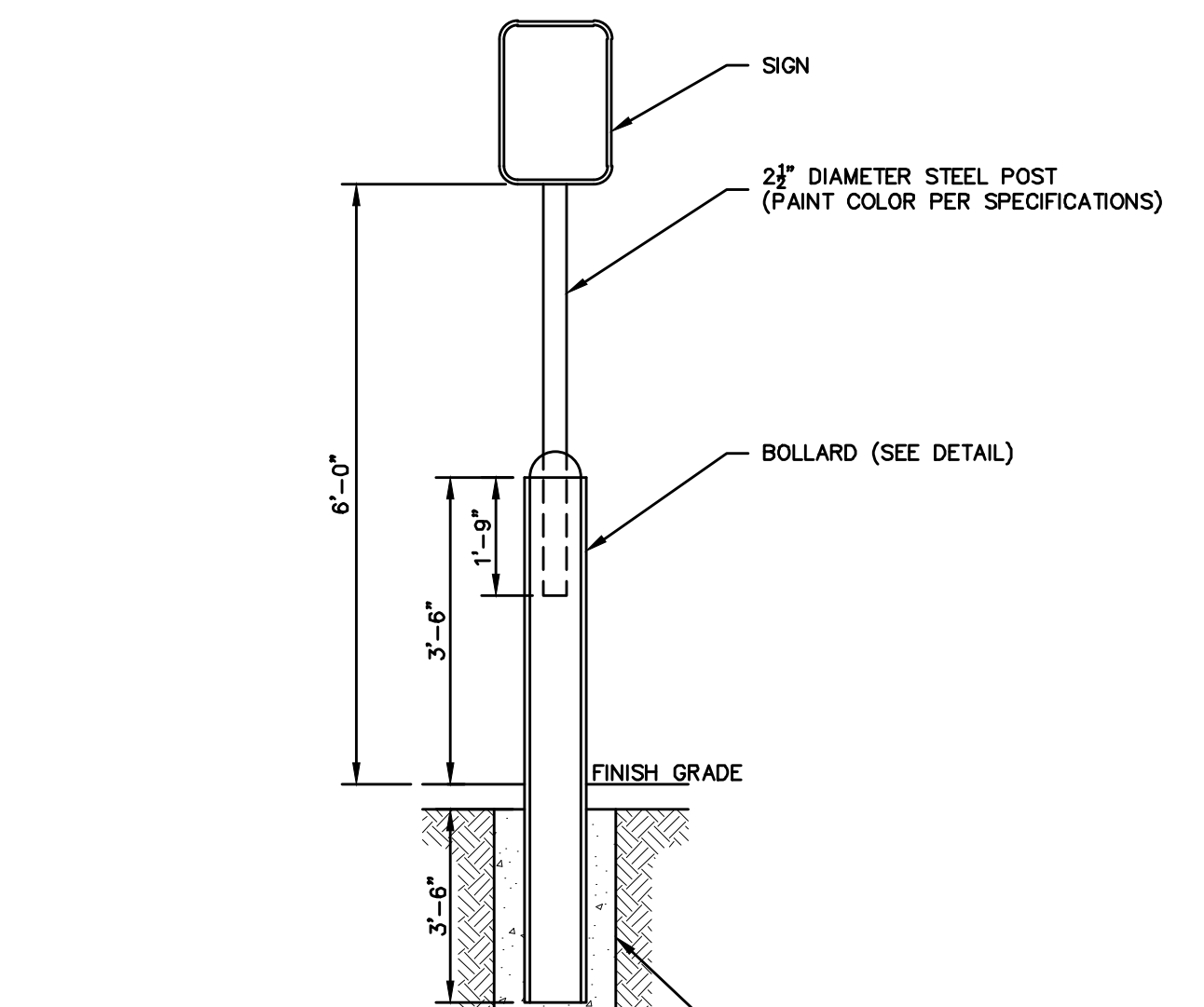
STANDARD PAINTED PARKING MARKINGS
SCALE: NONE



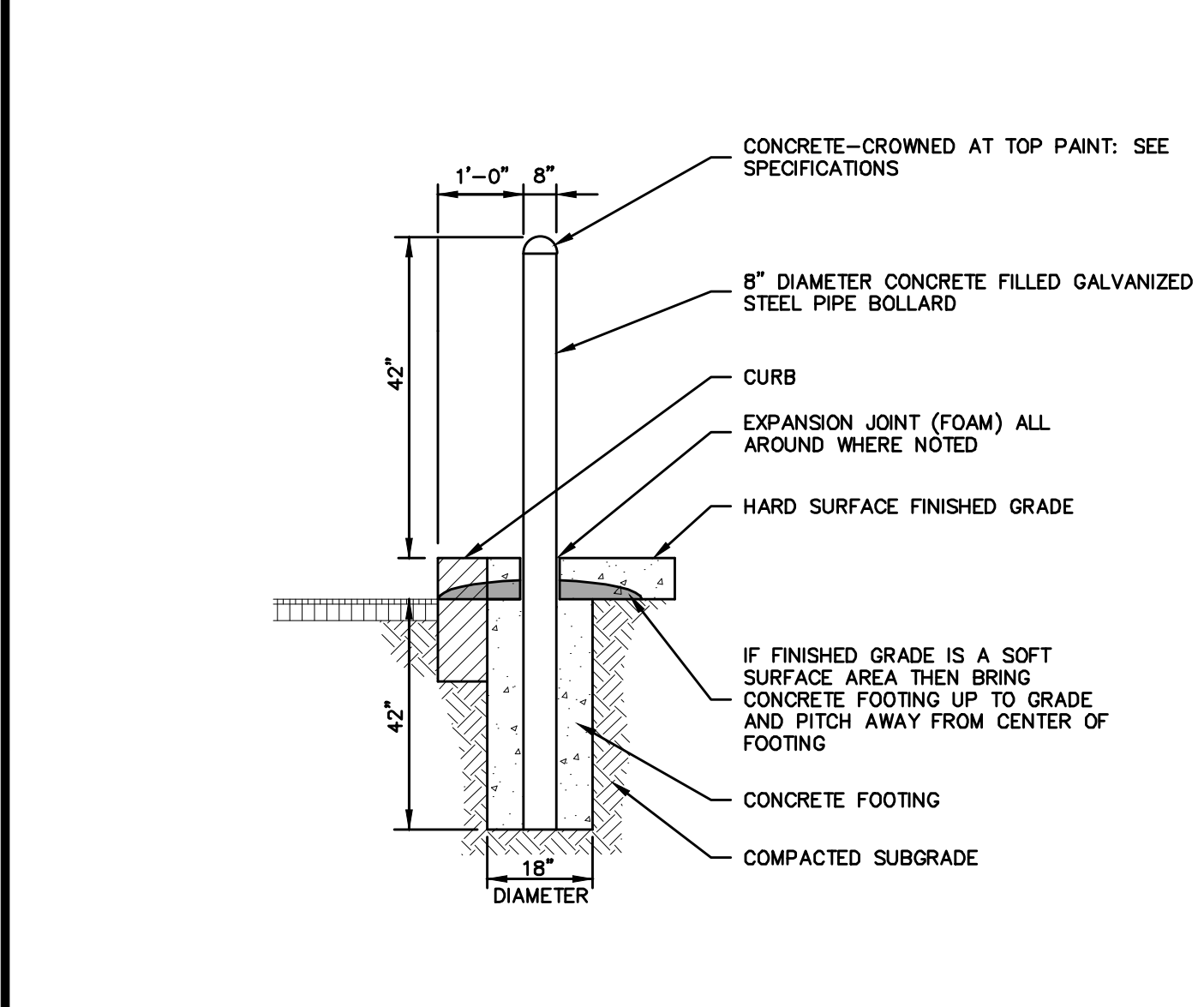
PAINTED PAVEMENT MARKINGS
SCALE: NONE
PVT-104-CT



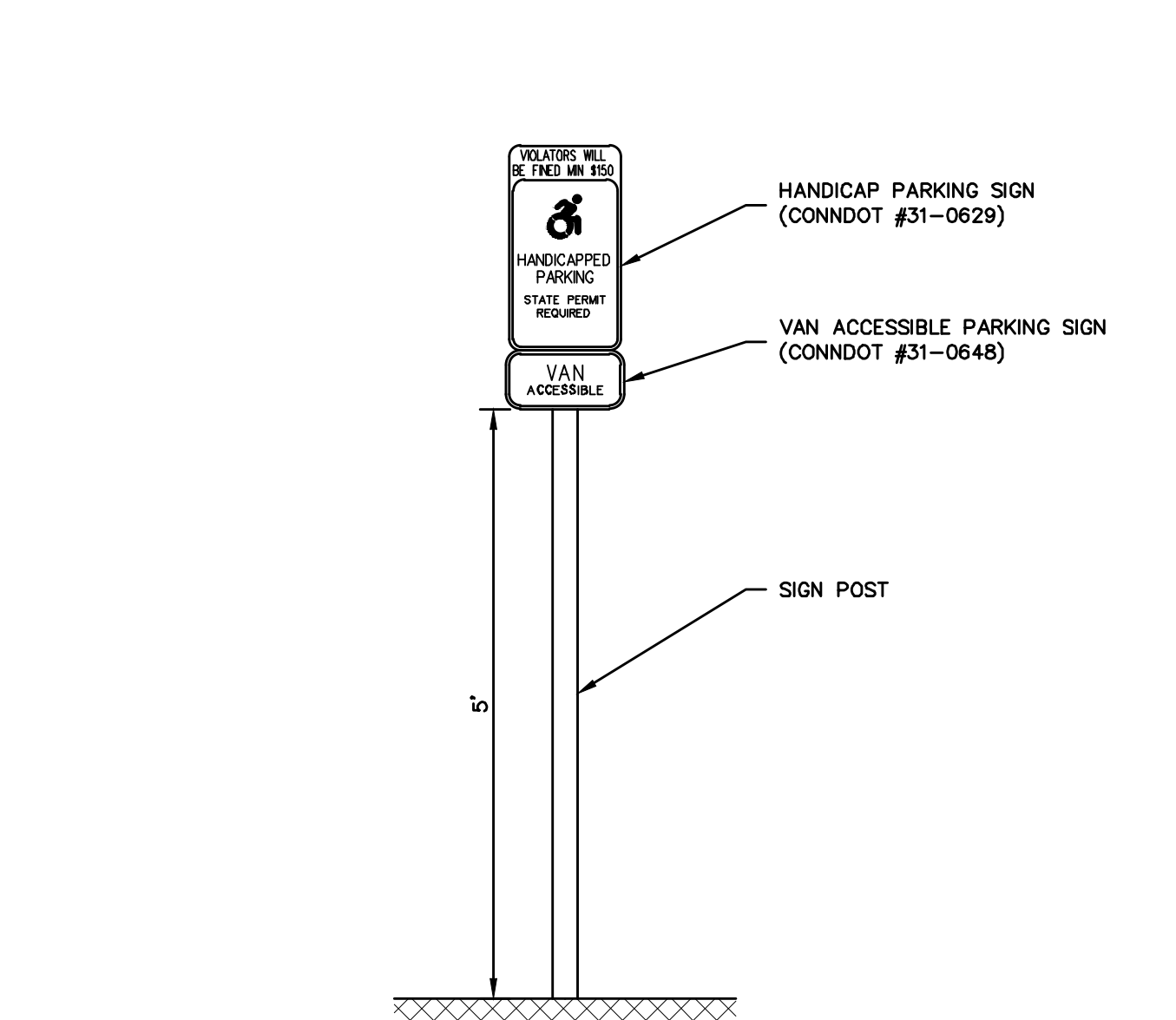
CROSSWALK
SCALE: NONE
PVT-102-CT



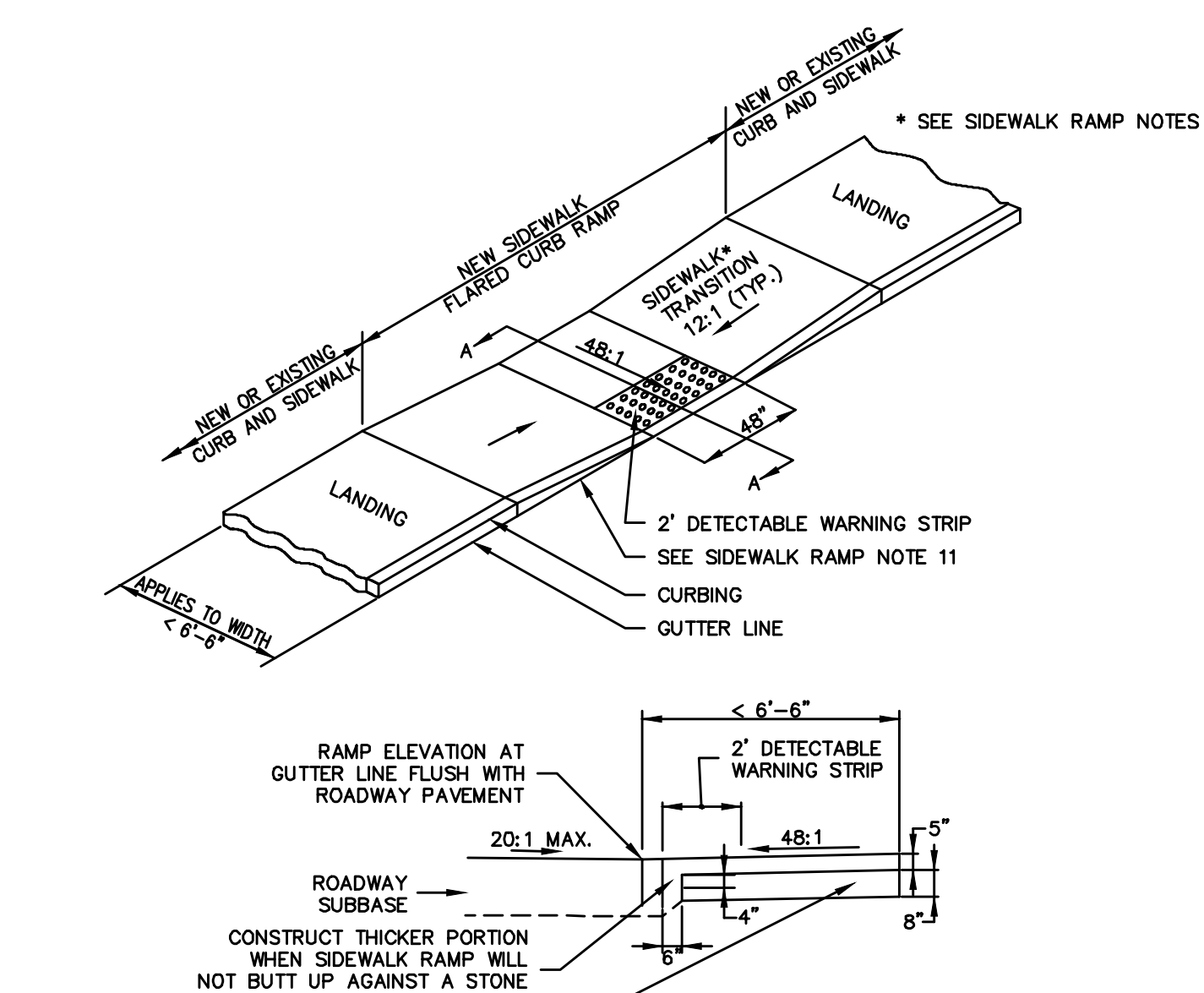
BOLLARD MOUNTED SIGN
SCALE: NONE
FSN-101-CT



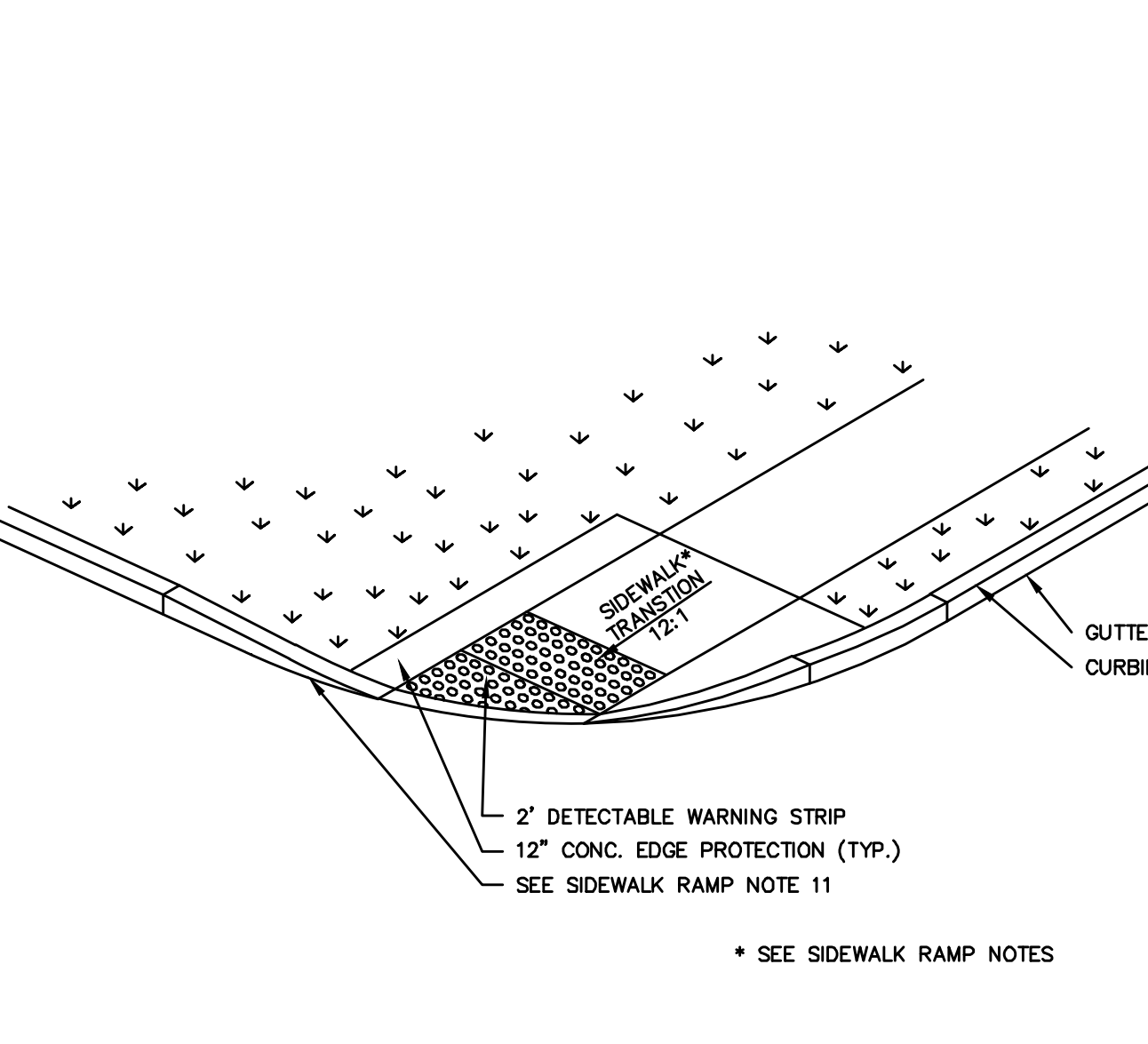
CONCRETE FILLED STEEL BOLLARD
SCALE: NONE
FSN-113-CT



ACCESSIBLE PARKING SIGN
SCALE: NONE
HC-111-CT



PARALLEL SIDEWALK RAMP (TYPE 1)
SCALE: NONE
HC-101-CT



DIAGONAL SIDEWALK RAMP (TYPE 4d)
SCALE: NONE
HC-107-CT



FRANCIS J. VACCA, PE No. 29098

**PIERSON SCHOOL
RESIDENTIAL
REDEVELOPMENT**

75 EAST MAIN STREET

IN
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BEDFORD, NY 10506

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BUILD | SUPPORT | CONNECT
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Glastonbury, Connecticut
06033 860 652 8227

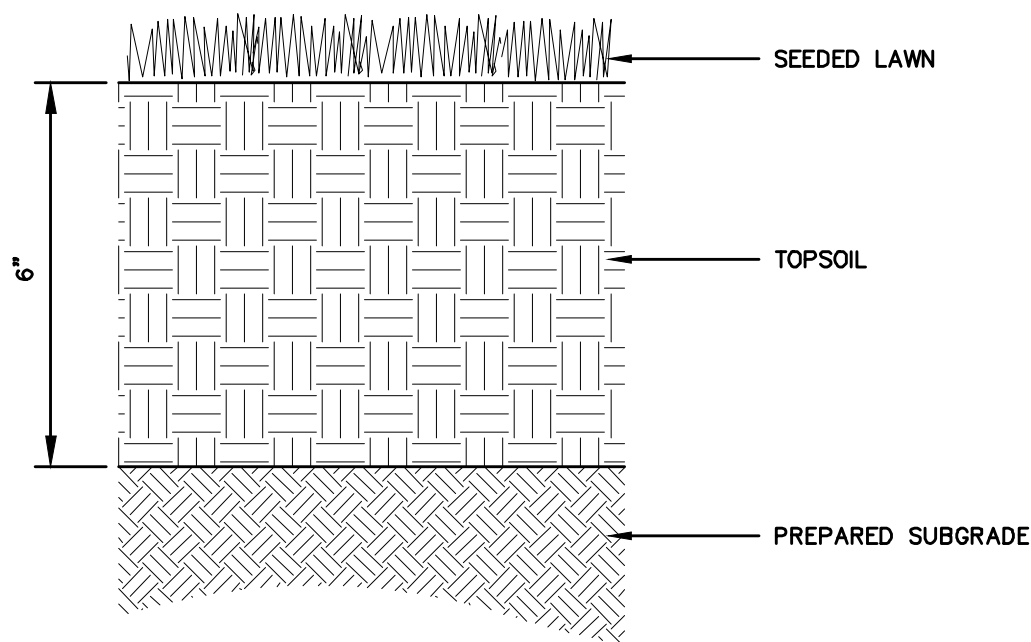
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JOB. NO: 0100733.00 C-6.2

GENERAL NOTES

1. MAXIMUM SLOPES OF ADJOINING GUTTERS AND ROAD SURFACES IMMEDIATELY ADJACENT TO THE SIDEWALK RAMP OR ACCESSIBLE ROUTE SHOULD NOT EXCEED 20:1.
2. CARE SHALL BE TAKEN TO ASSURE UNIFORM GRADE ON THE RAMP, FREE OF SAGS AND ABRUPT GRADE CHANGES.
3. ALL RAMPs SHALL BE CONSTRUCTED OF CONCRETE SPECIFIED IN THE PROJECT SPECIFICATIONS.
4. SIDEWALK RAMPs SHALL HAVE A COARSE BROOM FINISH TRANSVERSE TO THE SLOPE OF THE RAMP. THE SURFACE ALONG ACCESSIBLE ROUTES SHALL BE STABLE, FIRM AND SLIP RESISTANT IN COMPLIANCE WITH ADA ACCESSIBILITY GUIDELINES SECTION 4.5.
5. DIAGONAL SIDEWALK RAMPs AT MARKED CROSSINGS SHALL BE WHOLLY CONTAINED WITHIN THE MARKINGS, EXCLUDING ANY FLARED SIDES.
- 6. REMOVAL OF EXISTING SIDEWALK FOR NEW RAMP INSTALLATIONS SHALL BE TO THE NEAREST EXPANSION/CONTRACTION JOINT OR DUMMY JOINT. 12:1 MAY NOT BE ACHIEVABLE DUE TO SIDEWALK GRADE. IN RECOGNITION OF THIS, A MINIMUM LIMIT OF 15' FOR A PARALLEL RAMP SHALL BE USED. REMOVAL SHALL NOT BE FURTHER THAN 2' FROM THE PROPOSED RAMP UNLESS DIRECTED BY THE ENGINEER.
7. EXPANSION JOINTS IN CONCRETE SHALL MATCH THOSE IN ADJACENT SIDEWALKS BUT IN NO CASE SHALL THE SPACING BETWEEN EXPANSION JOINTS EXCEED 12' UNLESS OTHERWISE NOTED.
8. RAISED ISLANDS IN MARKED CROSSINGS SHALL HAVE SIDEWALK RAMPs AT BOTH SIDES AND A LEVEL AREA AT LEAST 4' LONG BETWEEN THE RAMPs. IF THIS CAN NOT BE ACHIEVED, THE RAISED ISLAND SHALL BE CUT THROUGH LEVEL WITH THE ROADWAY AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
9. CURBING WITHIN THE LIMITS OF THE NEW SIDEWALK RAMP SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE REQUIREMENTS OF CONDOT SPECIFICATIONS FORM 816 SECTIONS 8.11 AND 8.13.
10. HANDICAP RAMPs CONFORMING WITH CONNECTICUT GENERAL STATUTES, SEC. 7-118b, SHALL BE INCORPORATED IN ALL PROPOSED SIDEWALKs AT ALL STREET INTERSECTIONS, AND AT ALL OTHER LOCATIONS WHERE THE GRADE OF A DRIVEWAY OR OTHER FACILITY TAKES PRECEDENCE OVER THE GRADE OF THE PROPOSED SIDEWALK.
11. TRANSITION TO FULL HEIGHT CURB. INSTALL STONE CURBING IF ADJACENT CURBING IS STONE. INSTALL CONCRETE CURBING IF ADJACENT CURBING IS CONCRETE OR BITUMINOUS.
12. INSTALL THE EDGE OF THE DETECTABLE WARNING STRIP 6 INCHES FROM THE EDGE OF ROAD.
13. TO PERMIT WHEELCHAIR WHEELS TO ROLL BETWEEN DOMES OF THE DETECTABLE WARNING STRIPS, ALIGN DOMES ON A SQUARE GRID, IN THE DIRECTION OF PEDESTRIAN TRAVEL.

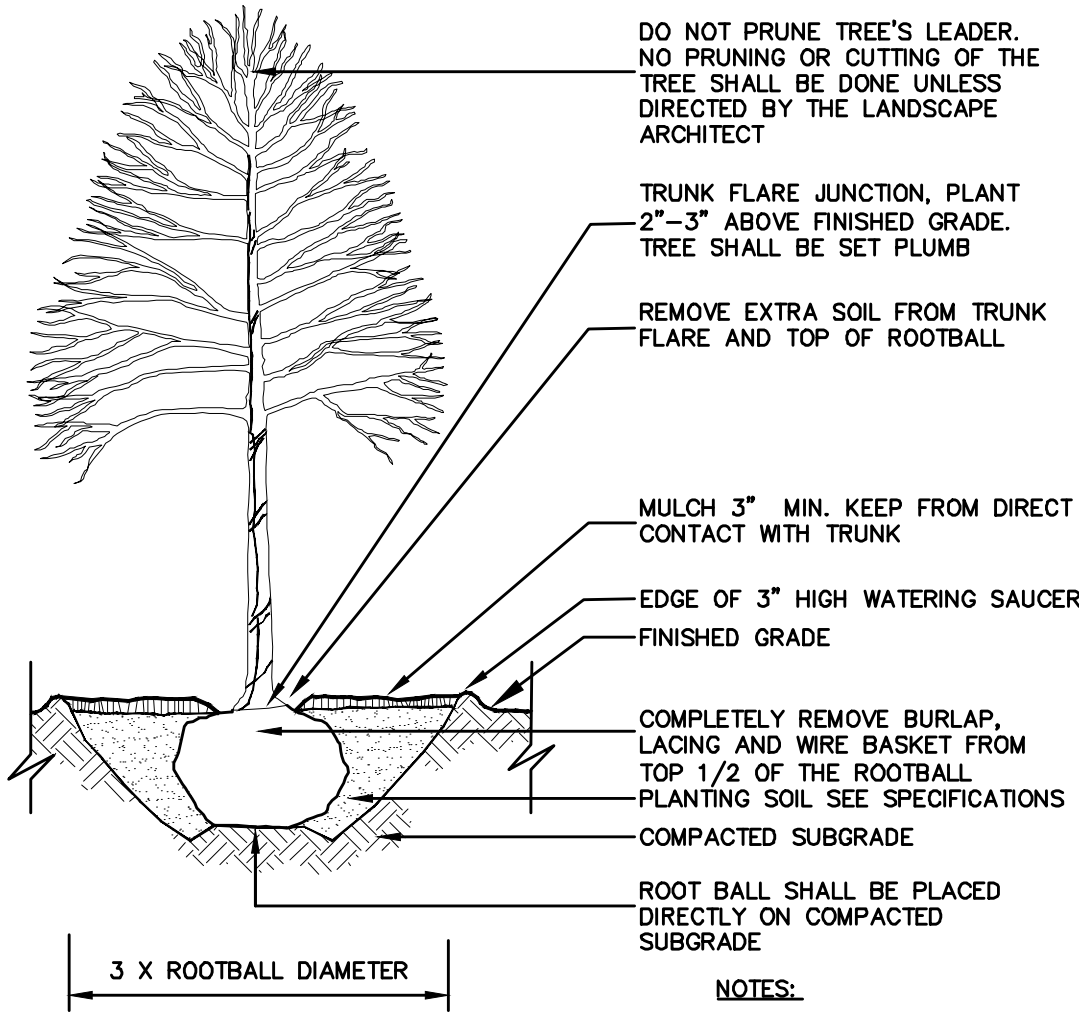
SIDEWALK RAMP NOTES

SCALE: NONE
HC-109-CT



- NOTES:
1. CONTRACTOR SHALL PREPARE SOILS IN ALL DISTURBED AREAS AND AREAS USED FOR EQUIPMENT ACCESS.

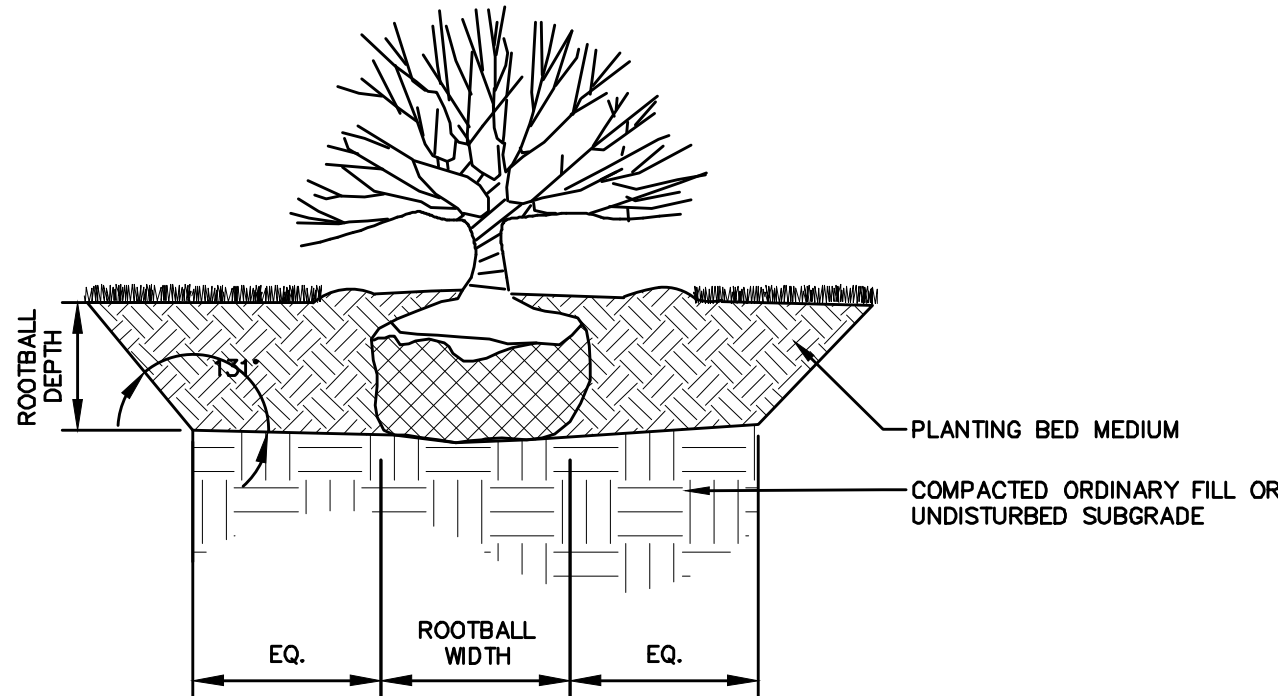
5 LAWN
SCALE: NONE



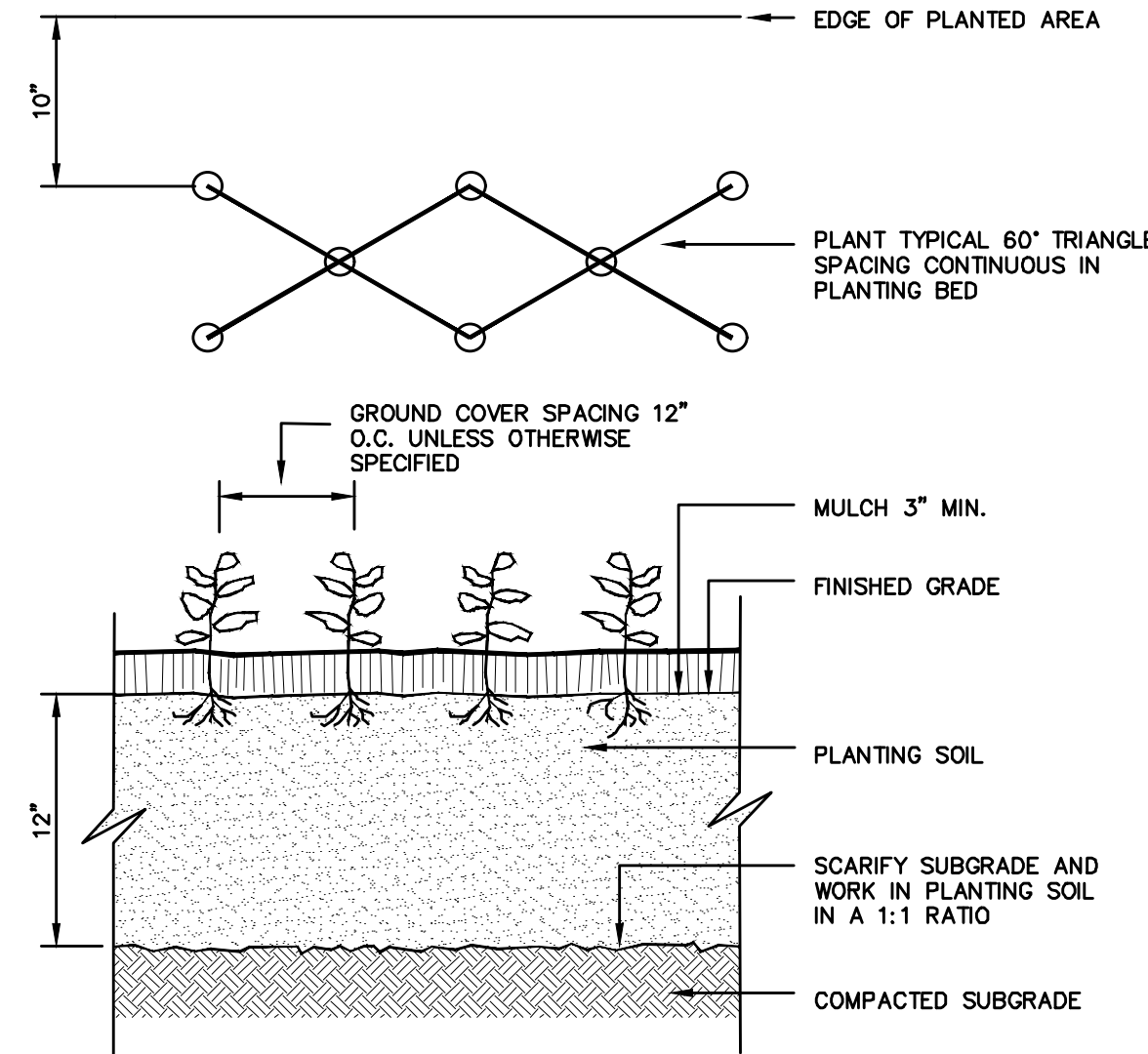
- NOTES:
1. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 2. SAUCER SHALL BE FLOODED TWICE DURING THE FIRST 24 HOURS AFTER PLANTING.
 3. DO NOT STAKE OR WRAP TREE UNLESS NOTED OTHERWISE.

2 DECIDUOUS TREE PLANTING
SCALE: NONE

- NOTES:
1. LOOSE OR CRACKED ROOT BALLS ARE UNACCEPTABLE.
 2. EXCAVATE TO REQUIRED DEPTH AND DO NOT EXCAVATE BELOW ROOT BALL DEPTH.
 3. SET SHRUBS PLUMB WITH ROOT FLARE 1" ABOVE FINISHED GRADE, BACKFILL WITH PLANTING MIX.
 4. FLOOD WATERING SAUCER TWICE IN FIRST 24 HOURS AFTER PLANTING.
 5. RAISE AND REPLANT ANY SHRUBS THAT SETTLE AFTER PLANTING & WATERING.
 6. REMOVE 1/3 BURLAP PRIOR TO BACKFILL. SYNTHETIC BURLAP UNACCEPTABLE.
 7. 2" DEPTH MULCH (KEEP MULCH 1" AWAY FROM SHRUB BASE) 3" HIGH EARTH WATERING SAUCER 1'-0" BEYOND ROOT BALL PLANTING MIXTURE.
 8. FOR CONTAINERIZED PLANTS: REMOVE CONTAINER PRIOR TO PLANTING, SCARIFY ROOT BALL BELOW EDGE 1/2" DEEP IN FOUR LOCATIONS.

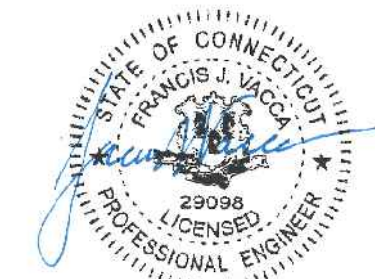


3 SHRUB PLANTING
SCALE: NONE



- NOTE:
- SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS

4 GROUNDCOVER PLANTING
SCALE: NONE



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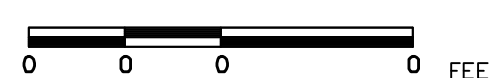
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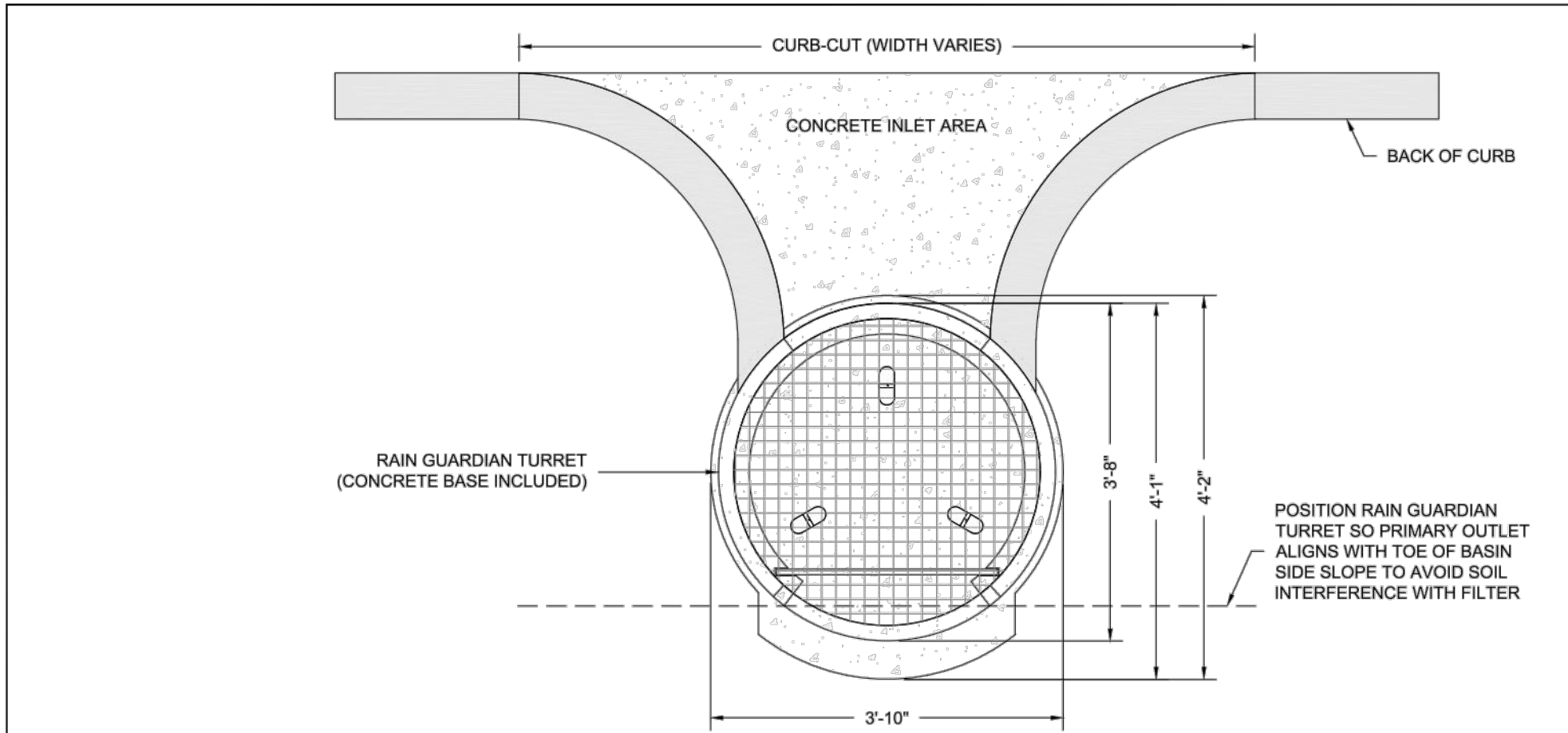
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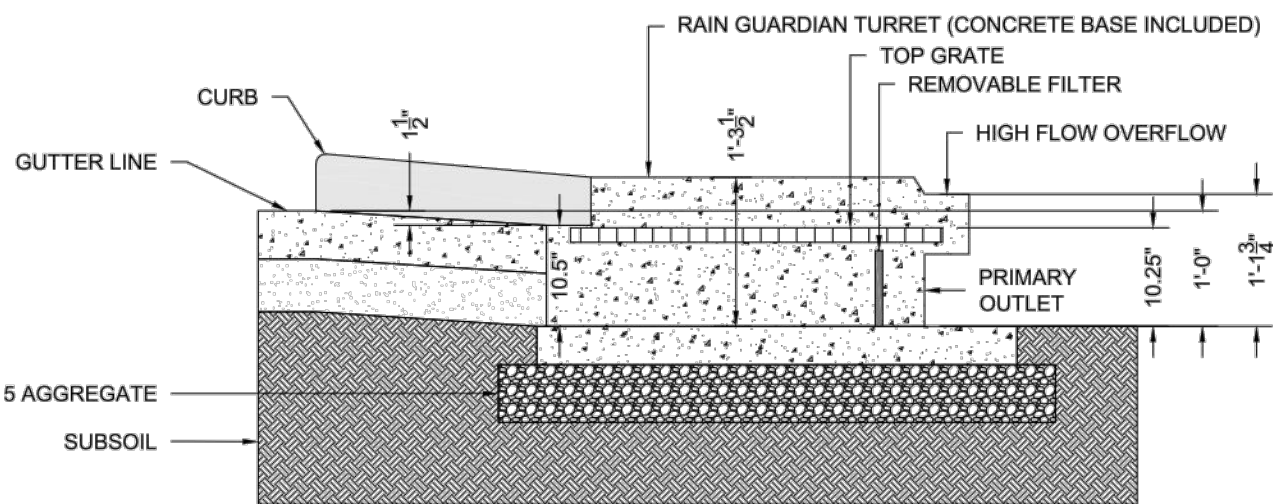
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JOB. NO: 0100733.00 C-6.3



- NOTES
1. INLET WIDTH AND DISTANCE BETWEEN BACK OF CURB AND RAIN GUARDIAN TURRET MAY VARY WITH SITE CONDITIONS.
 2. CONCRETE BASE EXTENDS BEYOND THE FILTER WALL OF THE RAIN GUARDIAN TURRET TO SERVE AS A SPLASH DISSIPATOR.

RAIN GUARDIAN TURRET - PLAN VIEW



- NOTES:
1. THE TOP OF THE CLASS 5 BASE (COMPACTED TO 95% STANDARD PROCTOR) IS PRECISELY 1' 4" BELOW THE GUTTERLINE ELEVATION.

RAIN GUARDIAN TURRET - SECTION VIEW

- SPECIFICATIONS**
1. STEEL REINFORCED, COLD JOINT SECURED MONOLITHIC CONCRETE STRUCTURE (1,030 LBS). CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 5,000 PSI AT 28 DAYS. CONCRETE AIR ENTRAINED (4% TO 8% BY VOLUME). MANUFACTURED AND DESIGNED TO ASTM C858.
 2. THREE-POINT PICK USING RECESSED LIFTING POCKETS WITH A STANDARD HOOK.
 3. TOP GRATE.

- INSTALLATION NOTES**
1. INSTALL THE CLASS 5 BASE (COMPACTED TO 95% STANDARD PROCTOR). THE DISTANCE FROM THE BACK OF THE CURB MAY VARY BASED ON SITE CONDITIONS, BUT CONSIDERATIONS SHOULD INCLUDE SLOPE OF THE INLET AND BASIN SIDE SLOPES ADJACENT TO THE RAIN GUARDIAN TURRET. POSITION RAIN GUARDIAN TURRET SO PRIMARY OUTLET ALIGNS WITH TOE OF BASIN SIDE SLOPE TO AVOID SOIL INTERFERENCE WITH REMOVABLE FILTER WALL. EXCAVATE 1' 10" BELOW THE GUTTERLINE ELEVATION (I.E. THE BIORETENTION OVERFLOW ELEVATION) TO ACCOMMODATE THE 1' PONDING DEPTH, 6" CLASS 5 AGGREGATE, AND 4" RAIN GUARDIAN TURRET BASE (INCLUDED). THEREFORE, THE TOP OF THE CLASS 5 COMPACTED BASE IS PRECISELY 1' 4" BELOW THE GUTTERLINE ELEVATION. THE INLET TO THE RAIN GUARDIAN TURRET WILL BE 10-12" ABOVE THE TOP OF THE CONCRETE BASE AND 1-1/2" BELOW THE GUTTERLINE ELEVATION TO ACCOMMODATE A SLOPED INLET FROM THE GUTTER TO THE RAIN GUARDIAN TURRET.
 2. SET RAIN GUARDIAN TURRET ON THE PREPARED CLASS 5 BASE.
 3. INSTALL FRAMING FOR INLET BETWEEN RAIN GUARDIAN TURRET AND BACK OF CURB. TOP ELEVATIONS OF THE FRAMING SHOULD MATCH THE TOP OF THE CURB ON THE STREET SIDE AND THE TOP OF THE RAIN GUARDIAN TURRET ON THE BIORETENTION SIDE.
 4. INSTALL EXPANSION/CONTRACTION JOINT MATERIAL OR A SHEET OF POLY TO SERVE AS A BOND BREAK BETWEEN RAIN GUARDIAN TURRET AND CONCRETE INLET BEFORE POURING INLET.
 5. SIDE CURBS OF THE POURED INLET MUST HAVE AN INSURMOUNTABLE PROFILE TO PREVENT WATER FLOW FROM OVERTOPPING THE DOWNSTREAM SIDE OF THE INLET.
 6. REMOVABLE FILTER WALL SHOULD BE INSTALLED WITH FILTER FABRIC ON THE INTERIOR SIDE OF THE RAIN GUARDIAN TURRET.

DEVELOPED BY:



U.S. PATENT NO(S): 8,501,016 AND 8,858,804

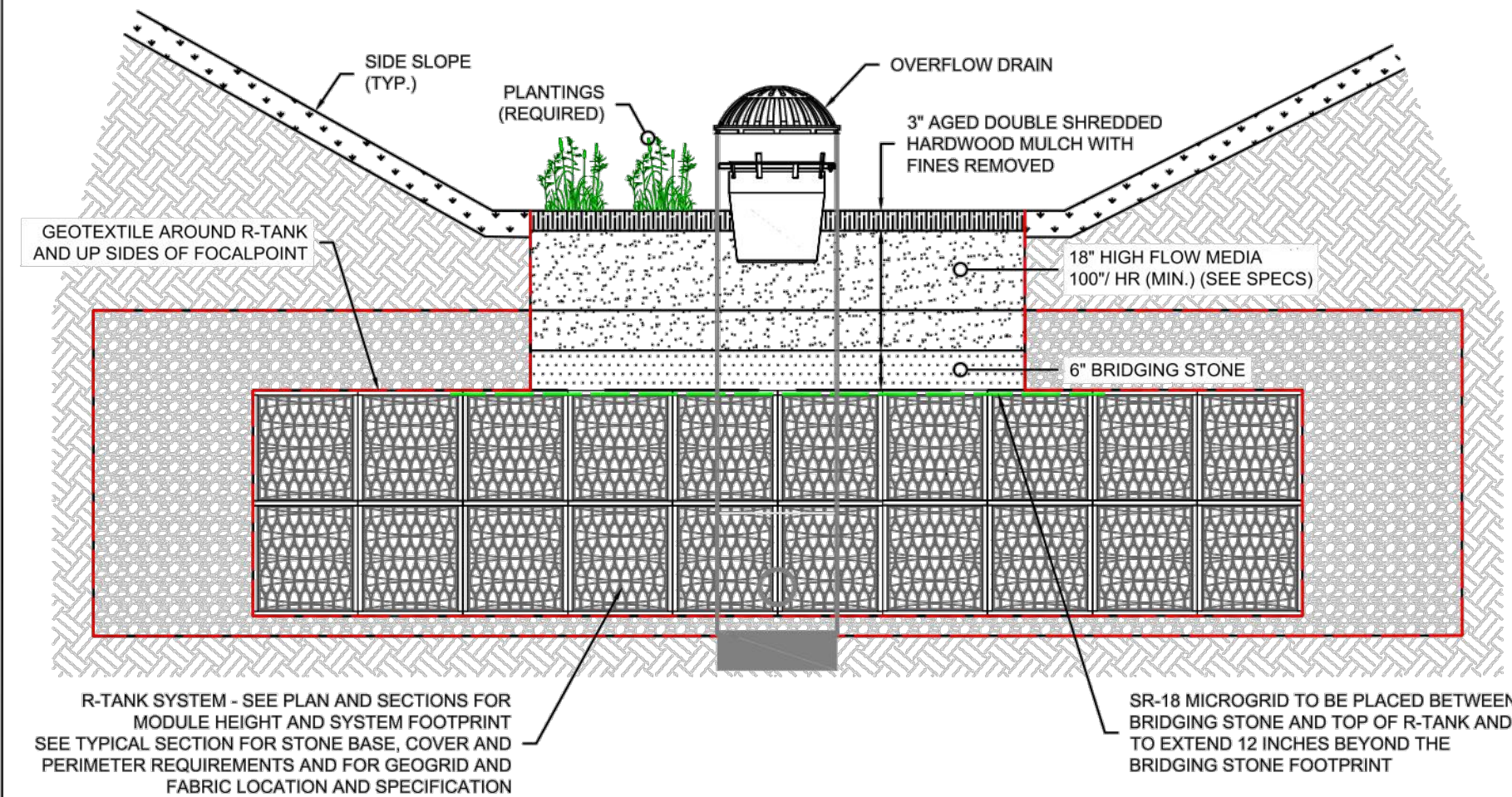


RAIN GUARDIAN
TURRET PRETREATMENT CHAMBER
TYPICAL DETAIL

DESIGNED BY
JKB
DATE
9/26/2022
CHECKED BY

1 of 1

FOCALPOINT WITH EXPANDED R-TANK KEY DIMENSIONAL DATA	
FOCALPOINT LENGTH	
FOCALPOINT WIDTH	
OVERFLOW RIM ELEVATION	
TOP OF MULCH ELEVATION	
TOP OF MEDIA ELEVATION	
TOP OF BRIDGING STONE ELEVATION	
TOP OF R-TANK ELEVATION	
BOTTOM OF R-TANK ELEVATION	
STONE BASE ELEVATION	
R-TANK FOOTPRINT	X



FOCALPOINT HPMBs
WITH EXPANDED R-TANK BELOW

DATE
01/28/2022

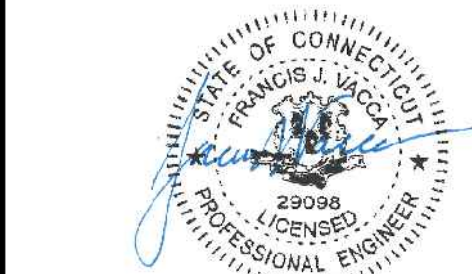
- TOTAL COVER: 24" MINIMUM AND 84" MAXIMUM. FIRST 12" MUST BE FREE DRAINING BACKFILL (SPEC SECTION 2.03B); STONE <1.5" OR SOIL (USCS CLASS GW, GP, SW OR SP). ADDITIONAL FILL MAY BE STRUCTURAL FILL (SPEC SECTION 2.03C); STONE OR SOIL (USCS CLASS SM, SP, SW, GM, GP OR GW) WITH MAX CLAY CONTENT <10%, MAX 25% PASSING NO. 200 SIEVE, AND MAX PLASTICITY INDEX OF 4. A MIN. 12" COVER MUST BE MAINTAINED BETWEEN BACKFILL EQUIPMENT AND THE TOP OF THE R-TANK™ SYSTEM AT ALL TIMES. TOTAL HEIGHT OF TOP BACKFILL SHOULD NOT EXCEED 7'. CONTACT FERGUSON WATERWORKS IF MORE THAN 7' OR LESS THAN 24" OF TOP BACKFILL IS REQUIRED (FROM TOP OF TANK TO TOP OF PAVEMENT).
- NOTES:
1. FOR COMPLETE MODULE DATA, SEE APPROPRIATE R-TANK™ MODULE SHEET.
 2. INSTALLATIONS PER THIS DETAIL MEET GUIDELINES OF HL-93 LOADING PER THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, CUSTOMARY U.S. UNITS, 7TH EDITION, 2014 WITH 2015 AND 2016 INTERIM REVISIONS.
 3. PRE-TREATMENT STRUCTURES NOT SHOWN.
 4. FOR INFILTRATION APPLICATIONS, GEOTEXTILE ENVELOPING R-TANK SHALL BE ACF M200 (PER SPEC SECTION 2.02A) AND BASE SHALL BE 4" MIN. UNCOMPACTED FREE DRAINING BACKFILL (SPEC SECTION 2.03A) TO PROVIDE A LEVEL BASE. SURFACE MUST BE SMOOTH, FREE OF LUMPS OR DEBRIS, AND EXTEND 2' BEYOND R-TANK™ FOOTPRINT.
- UTILITY MARKERS AT CORNERS (TYP.)
- PAVED SURFACE
- GEOGRID (ACF BX12) PLACED 12" ABOVE THE R-TANK™ SYSTEM. OVERLAP ADJACENT PANELS BY 18" MIN. GEOGRID SHOULD EXTEND 3' BEYOND THE EXCAVATION FOOTPRINT.
- COVER FROM FINISH GRADE TO TOP OF TANK: 24" (0.61 m) MIN. 84" (2.13 m) MAX.
- OPTIONAL OVERFLOW PIPE
- OPTIONAL OUTLET PIPE
- R-TANK™ UNITS WRAPPED WITH 8 OZ. NON-WOVEN GEOTEXTILE (OR EQUAL) LOAD RATING: 33.4 PSI (MODULE ONLY)
- SUBGRADE / EXCAVATION LINE: COMPACT PER SPEC SECTION 3.02 D. A BEARING CAPACITY OF 2,000 PSF MUST BE ACHIEVED PRIOR TO INSTALLING R-TANK™ (GEOTEXTILE OR IMPERMEABLE LINER OPTIONAL)
- BASE: 3" MIN. FREE DRAINING BACKFILL (SPEC SECTION 2.03B) COMPACTED TO 95% STANDARD PROCTOR DENSITY IS REQUIRED TO PROVIDE A LEVEL BASE SURFACE. MUST BE SMOOTH, FREE OF LUMPS OR DEBRIS, AND EXTEND 2' BEYOND R-TANK™ FOOTPRINT. NATIVE SOILS MAY BE ACCEPTABLE IF DETERMINED TO BE STABLE BY OWNER'S ENGINEER.
- SIDE BACKFILL: 24" MIN. OF FREE DRAINING BACKFILL (SPEC SECTION 2.03B); STONE <1.5" OR SOIL (USCS CLASS GW, GP, SW OR SP). MUST BE FREE FROM LUMPS, DEBRIS AND OTHER SHARP OBJECTS. SPREAD EVENLY TO PREVENT R-TANK™ MOVEMENT. COMPACT SIDE BACKFILL WITH POWERED MECHANICAL COMPACTOR IN 12" LIFTS (PER SPEC SECTION 3.05 A2).



NOT TO SCALE

06/17/2022

R-TANK^{HD} HS-25 LOADS - SECTION VIEW



FRANCIS J. VACCA, PE No. 29098

PIERSON SCHOOL RESIDENTIAL REDEVELOPMENT

75 EAST MAIN STREET

IN

CLINTON
CONNECTICUT
(MIDDLESEX COUNTY)

DETAILS

AUGUST 27, 2024

REVISIONS:

NO.	DATE	DESC.

ISSUED FOR PERMITTING

PREPARED FOR:

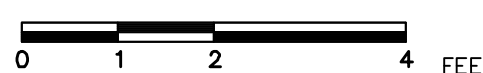
XENOLITH PARTNERS, LLC
PO BOX 413
BEDFORD, NY 10506



665 Winding Brook Drive
Glastonbury, Connecticut
06033 860 652 8227

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SCALE: 1"=1'



FILE: p:\010073300\civil\drawings\010073300-det.dwg

DWG.:
JOB. No: 0100733.00 C-6.4

SOIL TEST PIT DATA:
DATE: 07/25/2024
WITNESSED: RIVER AREA HEALTH DISTRICT

TP-1
0-18" TOPSOIL
18-40" ORANGE BROWN SANDY LOAM
40-88" LIGHT BROWN COARSE TO MEDIUM SAND
ROOTS: NOT ENCOUNTERED
MOTTILING: NOT ENCOUNTERED
SEEPAGE: NOT ENCOUNTERED
LEDGE: NOT ENCOUNTERED
RES. LAYER: N/A

TP-2
0-20" TOPSOIL
20-44" ORANGE BROWN SANDY LOAM
44-132" LIGHT BROWN COARSE TO MEDIUM SAND
ROOTS: NOT ENCOUNTERED
MOTTILING: NOT ENCOUNTERED
SEEPAGE: NOT ENCOUNTERED
LEDGE: NOT ENCOUNTERED
RES. LAYER: N/A

TP-3
0-22" TOPSOIL
22-56" ORANGE BROWN SANDY LOAM
56-98" LIGHT BROWN COARSE TO MEDIUM SAND
ROOTS: NOT ENCOUNTERED
MOTTILING: NOT ENCOUNTERED
SEEPAGE: NOT ENCOUNTERED
LEDGE: NOT ENCOUNTERED
RES. LAYER: N/A

TP-4
0-18" TOPSOIL
18-44" ORANGE BROWN SANDY LOAM
44-113" DARK BROWN GRAVELLY SAND
ROOTS: NOT ENCOUNTERED
MOTTILING: NOT ENCOUNTERED
SEEPAGE: NOT ENCOUNTERED
LEDGE: NOT ENCOUNTERED
RES. LAYER: N/A

TP-5
0-18" TOPSOIL
18-44" LIGHT BROWN SANDY LOAM
44-98" GREY BROWN MEDIUM SAND

ROOTS: NOT ENCOUNTERED
MOTTILING: NOT ENCOUNTERED
SEEPAGE: NOT ENCOUNTERED
LEDGE: NOT ENCOUNTERED
RES. LAYER: N/A

PERCOLATION TEST RESULTS:
PERFORMED BY BSC GROUP
AUGUST 14, 2024

PT-4
DEPTH 34"
PRESOAK AT 9:52 AM
DRY AT 10:19 AM

TIME	DEPTH	DELTA	RATE
10:20	7"		
10:24	11.5"	4.5"	0.9
10:28	15"	3.5"	1.1
10:32	16.75"	1.75"	2.3
10:36	17.5"	0.75"	5.3
10:40	19"	1.5"	2.7
10:44	19.75"	0.75"	5.3
10:48	20.25"	0.5"	8.0
10:52	20.75"	0.5"	8.0
10:56	21.25"	0.5"	8.0
11:00	21.75"	0.5"	8.0

DESIGN RATE = 8.0 MIN/IN

TP-6
0-18" TOPSOIL
18-54" ORANGE BROWN SANDY LOAM
54-90" GREY COARSE TO MEDIUM SAND

ROOTS: NOT ENCOUNTERED
MOTTILING: NOT ENCOUNTERED
SEEPAGE: NOT ENCOUNTERED
LEDGE: NOT ENCOUNTERED
RES. LAYER: N/A

TP-7
0-10" TOPSOIL
10-42" DARK BROWN SANDY LOAM
42-54" ORIGINAL TOPSOIL
54-96" LIGHT BROWN MEDIUM SAND

ROOTS: ORIGINAL TS LAYER
MOTTILING: NOT ENCOUNTERED
SEEPAGE: NOT ENCOUNTERED
LEDGE: NOT ENCOUNTERED
RES. LAYER: N/A

TP-8
0-20" TOPSOIL
20-46" ORANGE BROWN SANDY LOAM
46-90" GREY MEDIUM TO FINE SAND

MOTTILING: NOT ENCOUNTERED
SEEPAGE: NOT ENCOUNTERED
LEDGE: NOT ENCOUNTERED
RES. LAYER: N/A

TP-9
0-24" TOPSOIL
24-48" LIGHT BROWN FINE TO MEDIUM SAND
48-96" BROWN MEDIUM SAND

MOTTILING: NOT ENCOUNTERED
SEEPAGE: NOT ENCOUNTERED
LEDGE: NOT ENCOUNTERED
RES. LAYER: N/A

PERCOLATION TEST RESULTS:
PERFORMED BY BSC GROUP
JUNE 25, 2024

TIME	DEPTH	DELTA	RATE
11:10	10"		
11:14	12.5"	2.5"	1.6
11:16	14.25"	1.75"	1.1
11:19	16"	1.75"	1.7
11:21	17"	1"	2.0
11:24	18"	1"	3.0
11:26	18.75"	0.75"	2.7
11:30	20"	1.25"	3.2
11:38	22.5"	2.5"	3.2
11:42	23"	1.5"	2.7
11:50	24.5"	1.5"	5.3

DESIGN RATE = 5.3 MIN/IN

PT-2
DEPTH 32"
PRESOAK AT 10:30 AM
DRY AT 11:15 AM

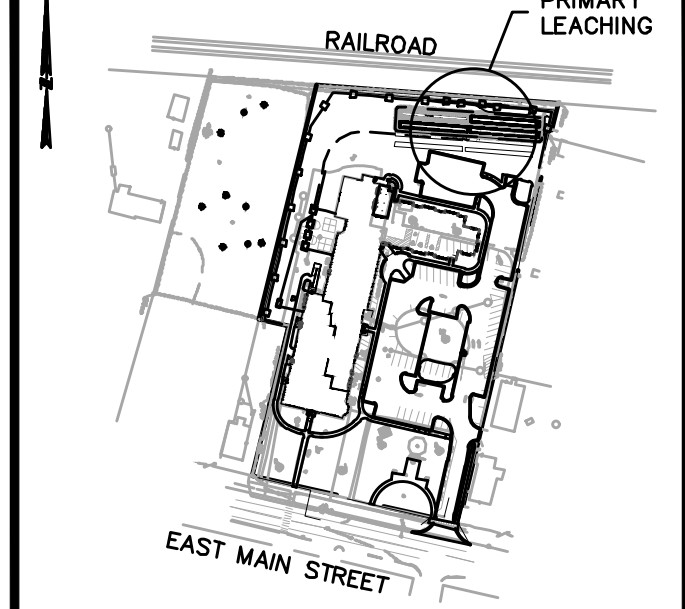
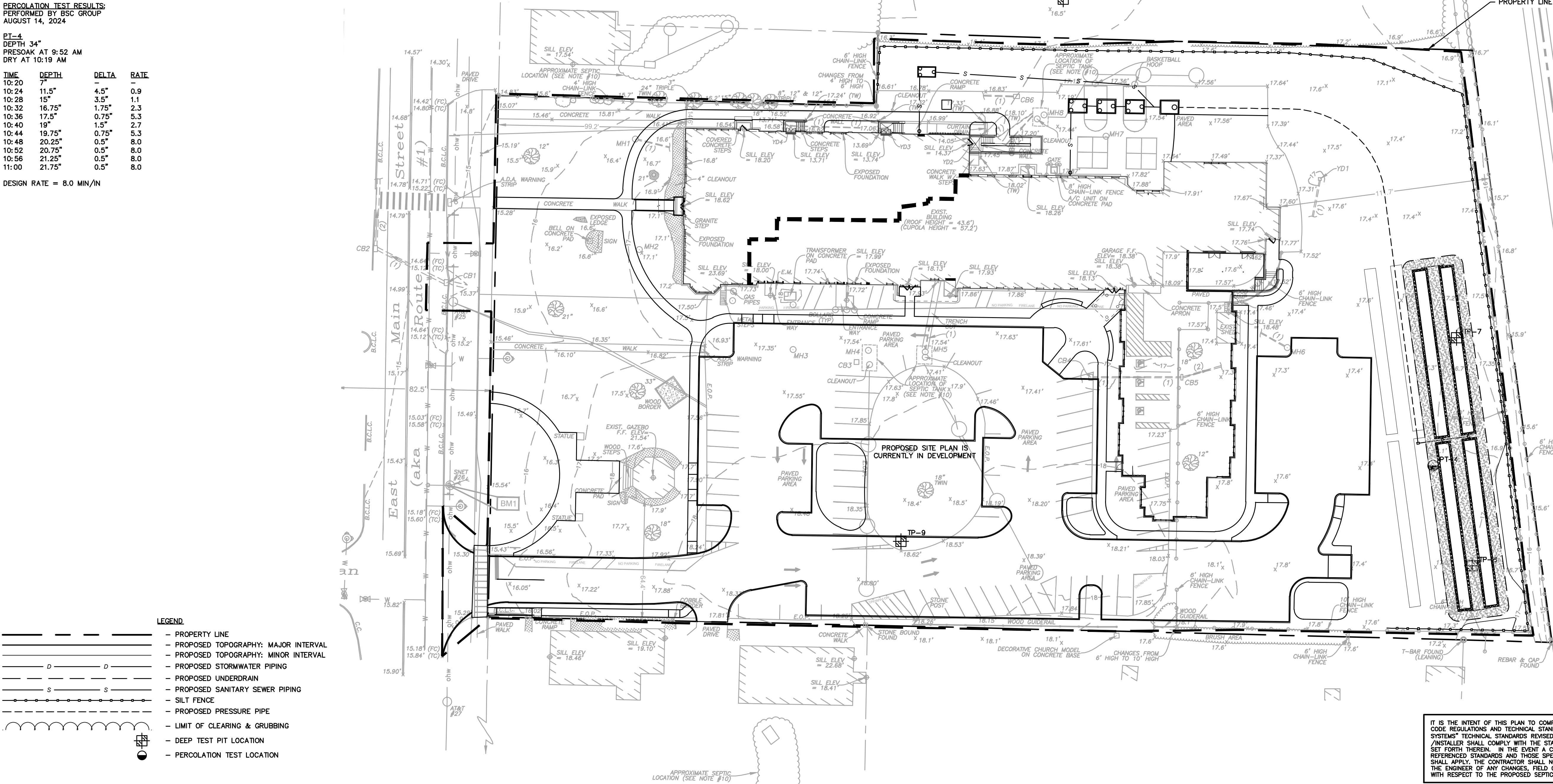
TIME	DEPTH	DELTA	RATE
11:15	2.75"		
11:17	DRY		
REFILL			
11:18	9.5"		
11:19	DRY		
ABANDONED			

DESIGN RATE = > 1.0 MIN/IN

PT-3
DEPTH 48"
PRESOAK AT 11:37 AM
DRY AT 11:44 AM

TIME	DEPTH	DELTA	RATE
11:45	2.75"		
11:46	5.25"	2.5"	0.4
11:47	6.75"	1.5"	0.7
11:48	8.25"	1.5"	0.7
11:49	9.25"	1.0"	1.0
11:50	DRY		

DESIGN RATE = 1.0 MIN/IN



LOCUS MAP
SCALE: 1" = 250'



MATTHEW R. STEPHAN, PE No. 34678

PIERSON SCHOOL RESIDENTIAL REDEVELOPMENT

75 EAST MAIN STREET

IN
CLINTON
CONNECTICUT
(MIDDLESEX COUNTY)

OVERALL SITE PLAN & SOIL TESTING

AUGUST 27, 2024

REVISIONS:

NO.	DATE	DESC.
	08/15/24	SUBMITTED TO RAHD

ISSUED FOR PERMITTING

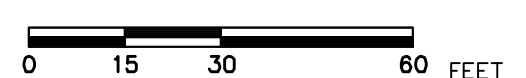
PREPARED FOR:
XENOLITH PARTNERS, LLC
PO BOX 413
BEDFORD, NY 10506

BSC GROUP
BUILD | SUPPORT | CONNECT

665 Winding Brook Drive
Glastonbury, Connecticut
06033 860 652 8227

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SCALE: 1" = 30'



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DWG.:

JOB. NO: 0100733.00

C-8.0

IT IS THE INTENT OF THIS PLAN TO COMPLY WITH THE "CONNECTICUT PUBLIC HEALTH CODE" REGULATIONS AND TECHNICAL STANDARDS FOR SUBSURFACE SEWAGE DISPOSAL SYSTEMS" TECHNICAL STANDARDS REVISED TO JANUARY 2024. THE CONTRACTOR/INSTALLER SHALL COMPLY WITH THE STANDARDS, MATERIALS AND SPECIFICATIONS SET FORTH THEREIN. IN THE EVENT A CONFLICT ARISES BETWEEN THE ABOVE REFERENCED STANDARDS AND THOSE SPECIFIED ON THIS PLAN, THE MORE STRINGENT SHALL APPLY. THE CONTRACTOR SHALL NOTIFY THE PERMITTING JURISDICTION AND THE ENGINEER OF ANY CHANGES, FIELD CONDITIONS AND/OR DEFICIENCIES OF THE PLAN WITH RESPECT TO THE PROPOSED SEPTIC SYSTEM.

DESIGN CRITERIA:

1. PROPOSED USES:

- 1.1. RESIDENTIAL BUILDING (150 GPD / 3 BEDROOMS, 125 GPD / ADD'L BEDROOMS)
- 1.2. SOCIAL EVENT WITH MEALS SERVED (5.0 GPD / PERSON)
- 1.3. OFFICE (20.0 GPD / EMPLOYEE)

2. PERCOLATION RATE: 8.0 MIN. / INCH (PT-4)

3. DESIGN FLOW RATE: 7,420 GPD TOTAL

- 3.1. RESIDENTIAL BUILDING: 150 GPD X 3 BEDROOMS + 125 GPD X 47 BEDROOMS = 6,325 GPD
- 3.2. SOCIAL EVENT (EVENT SPACE): 5.0 GPD X 180 MAX OCCUPANTS = 910 GPD
- 3.3. SOCIAL EVENT (COOKING CLASSES): 5.0 GPD X 5 PARTICIPANTS = 25 GPD
- 3.4. OFFICE: 20 GPD X 8 EMPLOYEES = 160 GPD

4. EFFECTIVE LEACHING AREA (ELA) REQUIRED BY HEALTH CODE: 7,687.5 SF TOTAL

- 4.1. RESIDENTIAL: 495 SF (FIRST 3 BEDROOMS) + 137.5 SF X 47 BEDROOMS = 6,857.5 SF
- 4.2. NON-RESIDENTIAL: 1095 GPD / 1.5 (TABLE 8 APPLICATION RATE) = 730 SF

5. SEPTIC TANK SIZING:

- 5.1. RESIDENTIAL: 1,250 GAL + 225 GAL/BEDROOM X 47 BEDROOMS = 11,825 GAL
- 5.2. NON-RESIDENTIAL: 1,095 GAL

6. PROVIDED SEPTIC TANK:

- 6.1. RESIDENTIAL: 6,325 GAL X 2/3 = 4,217 MIN. FIRST TANK; 4,500 GAL + 4,000 GAL + 3,500 GAL = 12,000 GAL
- 6.2. NON-RESIDENTIAL: 1,250 GAL

7. MOTTILING: NOT ENCOUNTERED

8. LEDGE: NOT ENCOUNTERED

9. THE MAXIMUM DEPTH INTO EXISTING GROUND = 48"

10. REQUIRED LENGTH OF CUR-TECH CTL-48 = 7687.5 SF / (21.9 SF/LF) = 351.0 LF

11. PROVIDED LENGTH OF LEACHING = 360 LF

12. PROVIDED ELA = LF X 21.9 SF/LF = 7,884 SF

MINIMUM LEACHING SYSTEM SPREAD

RECEIVING SOIL DEPTH: > 60"

MLSS NEED NOT BE CONSIDERED

(MLSS)=HFxFFxPF

HYDRAULIC GRADIENT =

RECEIVING SOIL DEPTH =

HYDRAULIC FACTOR (HF) =

FLOW FACTOR (FF) =

PERC FACTOR (PF) =

(MLSS)= N/A

SEPTIC DESIGN NOTES:

1. THE CONTRACTOR/INSTALLER SHALL COMPLY WITH ALL SEPARATING DISTANCES IN ACCORDANCE WITH TABLE 1 IN THE TECHNICAL STANDARDS. THERE ARE NO WELLS ON THE SITE.
2. THE PIPE BETWEEN THE BUILDING SERVED AND SEPTIC TANK SHALL BE EXTRA HEAVY CAST IRON; DUCTILE IRON; OR EXTRA STRENGTH PVC ASTM D 1785 SCHEDULE 40 OR APPROVED EQUAL. SIZE AS NOTED ON THE PLANS. BUILDING SEWER MINIMUM SLOPE SHALL BE 1/4-IN/FT FOR 4" PIPE, 1/8-IN/FT FOR 6" AND GREATER PIPE.
3. ALL EFFLUENT DISTRIBUTION PIPE IS TO BE ASTM D3034 SDR35 PVC OR EQUAL UNLESS NOTED. SIZE AS NOTED ON THE PLANS. DISTRIBUTION PIPING SHALL NOT HAVE NEGATIVE PITCH.
4. ALL PRESSURE PIPE IS TO BE PVC PRESSURE PIPE OR PE PIPE IN ACCORDANCE WITH TABLE 2-B IN THE TECHNICAL STANDARDS. PRESSURE PIPE SHALL BE PITCHED SUCH THAT IT WILL DRAIN COMPLETELY (TOWARDS INLET OR OUTLET) WHEN THE PUMP IS NOT RUNNING. PROVIDE PIPE INSULATION WHERE COVER IS LESS THAN 42 INCHES.
5. SEPTIC TANK SHALL MEET THE CT PUBLIC HEALTH CODE TECHNICAL STANDARDS BEING A TWO COMPARTMENT TANK WITH THE FIRST COMPARTMENT CONTAINING TWO THIRDS THE REQUIRED CAPACITY FOR SOLIDS. THE SECOND COMPARTMENT SHALL CONTAIN ONE THIRD THE REQUIRED CAPACITY FOR LIQUIDS. THE TANK SHALL BE SET LEVEL ON A MINIMUM OF 6" OF PROCESSED AGGREGATE OR BROKEN STONE BASE ON COMPACTED SUBGRADE. THE OUTLET TO THE TANK SHALL CONTAIN THE APPROPRIATE TEE Baffle AND EFFLUENT FILTER ZABEL A-1800 OR APPROVED EQUAL. SEPTIC TANK SHALL BE WATERTIGHT.
6. WHERE CALLED FOR ON THE PLANS, APPROVED AGGREGATE (No. 4 STONE OR No. 6 STONE) SHALL BE AS FOLLOWS:

APPROVED AGGREGATE (No. 4 STONE)

SEIVE SIZE	PERCENT PASSING (BY WEIGHT)	SEIVE SIZE	PERCENT PASSING (BY WEIGHT)
2-INCH	100%	2-INCH	N/A
1.5-INCH	90%-100%	1.5-INCH	N/A
1-INCH	20%-55%	1-INCH	100%
3/4-INCH	0-15%	3/4-INCH	90-100%
1/2-INCH	N/A	1/2-INCH	20-55%
3/8-INCH	0-5%	3/8-INCH	0-15%
#4	N/A	#4	0-5%

APPROVED AGGREGATE (No. 6 STONE)

No. 6 STONE SHALL NOT BE USED FOR BACKFILL OF CONCRETE LEACHING GALLERIES.

7. TOPSOIL IN THE VICINITY OF THE SYSTEM SHALL BE REMOVED PRIOR TO PLACEMENT OF FILL. THE SEPTIC AREA SHALL BE PROTECTED FROM OVERCOMPACTION BY EXCESSIVE TRAVEL. RUBBER Tired MACHINES, STOCKPILE AREAS, ETC.

8. "SELECT FILL MATERIAL" AND "SELECT BACKFILL MATERIAL" PLACED WITHIN AND ADJACENT TO PROPOSED LEACHING AREAS SHALL BE COMPRISED OF CLEAN SAND AND GRAVEL, FREE FROM ORGANIC MATTER AND FOREIGN SUBSTANCES. THE FILL MATERIAL SHALL MEET THE FOLLOWING REQUIREMENTS.

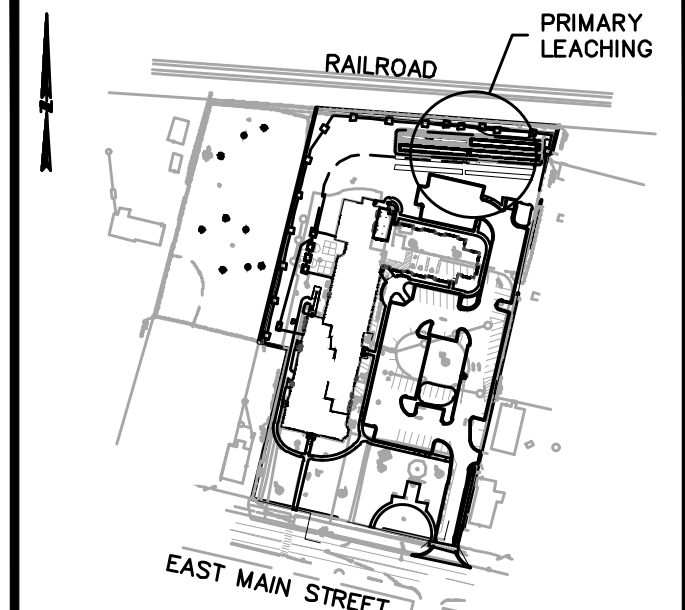
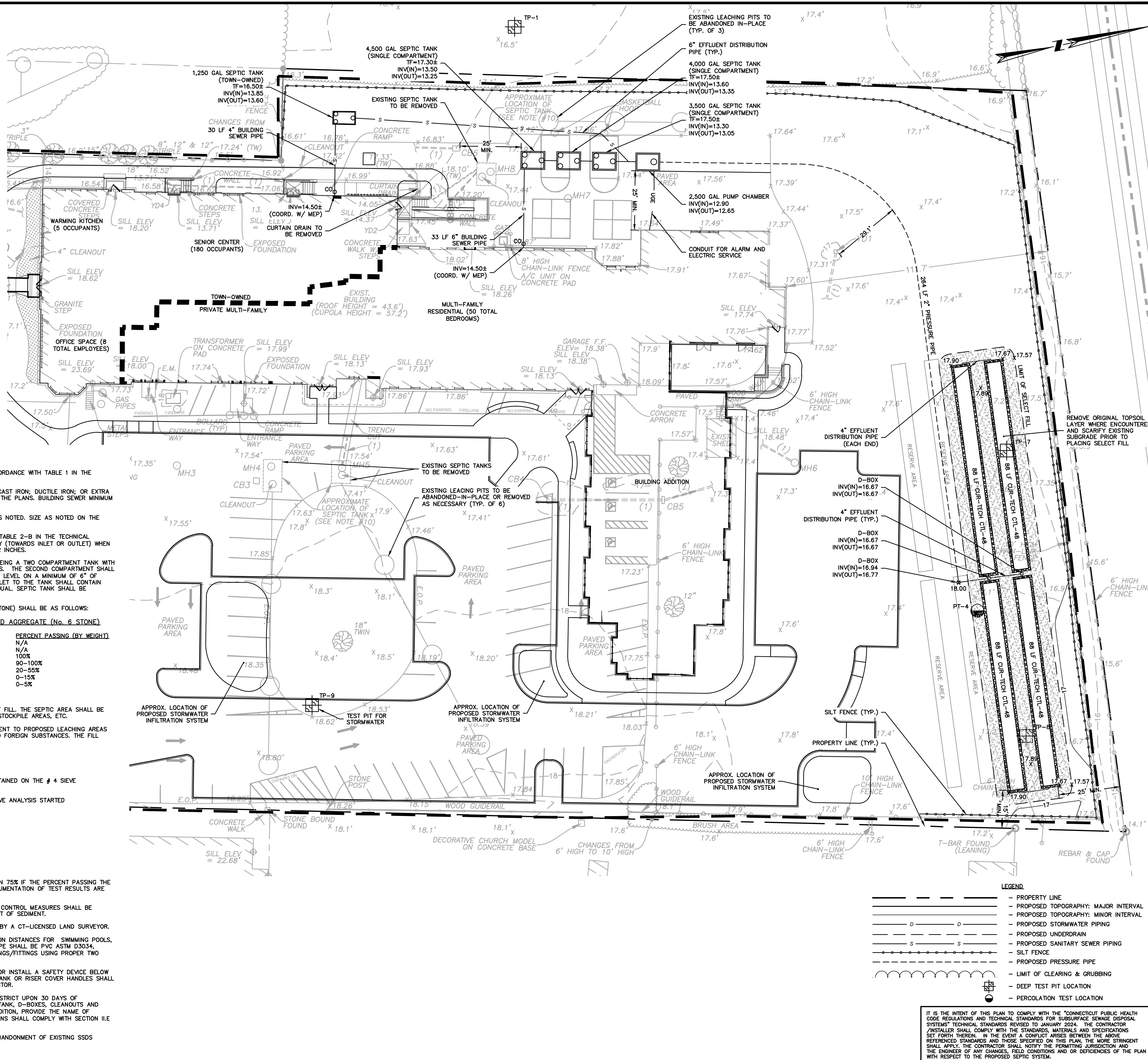
SELECT FILL MATERIAL MUST CONFORM TO THE FOLLOWING CRITERIA:

1. THE FILL SHALL NOT CONTAIN ANY MATERIAL LARGER THAN (3) INCHES
2. UP TO 45% OF THE DRY WEIGHT OF THE REPRESENTATIVE SAMPLE MAY BE RETAINED ON THE # 4 SIEVE (THIS IS THE GRAVEL PORTION OF THE SAMPLE)
3. THE MATERIAL THAT PASSES THE #4 SIEVE IS THEN RE-WEIGHED AND THE SIEVE ANALYSIS STARTED
4. THE REMAINING SAMPLE SHALL MEET THE FOLLOWING GRADATION CRITERIA:

SEIVE SIZE	PERCENT PASSING	PERCENT PASSING
No. 4	100%	100%
No. 10	70%-100%	70%-100%
No. 40	**10%-50%	10%-75%
No. 100	0-20%	0-5%
No. 200	0-5%	0-2.5%

NOTE: ** PERCENT PASSING THE #40 SIEVE CAN BE INCREASED TO NO GREATER THAN 75% IF THE PERCENT PASSING THE #100 SIEVE DOES NOT EXCEED 10% AND THE #200 SIEVE DOES NOT EXCEED 5%. DOCUMENTATION OF TEST RESULTS ARE TO BE PROVIDED TO THE HEALTH DEPARTMENT.

9. AFTER TOPSOIL IS PLACED, THE AREA SHALL BE SEEDED AND MULCHED. APPROPRIATE CONTROL MEASURES SHALL BE IMPLEMENTED DURING AND AFTER CONSTRUCTION TO PREVENT EROSION AND TRANSPORT OF SEDIMENT.
10. THE LOCATION AND ELEVATION OF THE PROPOSED SEPTIC SYSTEMS SHALL BE STAKED BY A CT-LICENSED LAND SURVEYOR.
11. TIGHT PIPE SHALL BE USED WITHIN 25' OF SEPTIC SYSTEM, AND TO REDUCE SEPARATION DISTANCES FOR SWIMMING POOLS, PROPERTY LINE, PRESSURE POTABLE WATER LINE, AND BUILDING SERVED. TIGHT PIPE SHALL BE PVC ASTM D3034, SDR-35. ACCEPTABLE JOINT RUBBER COMPRESSION GASKET OR SOLVENT WELD COUPLINGS/FITTINGS USING PROPER TWO STEP PVC SOLVENT SOLUTION PROCEDURE.
12. ALL TANKS REQUIRING RISERS SHALL MAINTAIN THE ORIGINAL COVERS ON THE TANKS OR INSTALL A SAFETY DEVICE BELOW THE RISER TO PREVENT INDIVIDUALS FROM FALLING INTO A TANK. ALL BELOW GRADE TANK OR RISER COVER HANDLES SHALL CONTAIN OR BE FITTED WITH A MATERIAL THAT CAN BE LOCATED WITH A METAL DETECTOR.
13. INSTALLER SHALL SUBMIT A SCALED AND/OR TIED AS-BUILT TO THE LOCAL HEALTH DISTRICT UPON 30 DAYS OF COMPLETION WITH DISTANCES TO FLOW LINE AT HOUSE, INLET AND OUTLET COVER OF TANK, D-BOXES, CLEANOUTS AND ENDS OF LEACHING ROWS, FOOTING/CURTAIN DRAINS, AND BETWEEN THE POINTS. IN ADDITION, PROVIDE THE NAME OF INSTALLER, DATE, PROPERTY LOCATION, AND STREET/DIRECTIONAL ARROW. RECORD PLANS SHALL COMPLY WITH SECTION II.E OF DPH TECHNICAL STANDARDS.
14. CONTRACTOR SHALL COMPLY WITH SECTION II.F OF DPH TECHNICAL STANDARDS FOR ABANDONMENT OF EXISTING SDDS COMPONENTS.

LOCUS MAP
SCALE: 1" = 250'

MATTHEW R. STEPHAN, PE No. 34678

PIERSON SCHOOL
RESIDENTIAL
REDEVELOPMENT

75 EAST MAIN STREET

IN
CLINTON
CONNECTICUT
(MIDDLESEX COUNTY)SUBSURFACE SEWAGE
DISPOSAL SYSTEM PLAN

AUGUST 27, 2024

REVISIONS:

NO.	DATE	DESC.
	08/15/24	SUBMITTED TO RAHD

ISSUED FOR PERMITTING

PREPARED FOR:

XENOLITH PARTNERS, LLC
PO BOX 413
BEDFORD, NY 10506665 Winding Brook Drive
Glastonbury, Connecticut
06033 860 652 8227

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SCALE: 1" = 20'

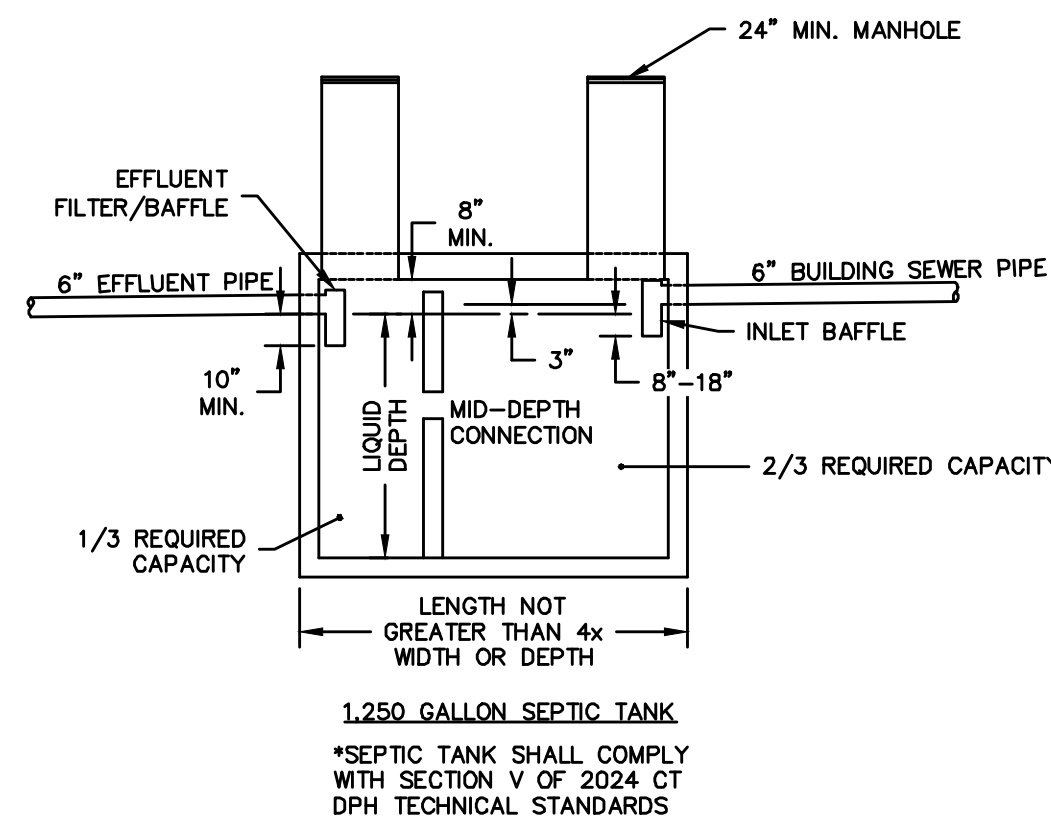
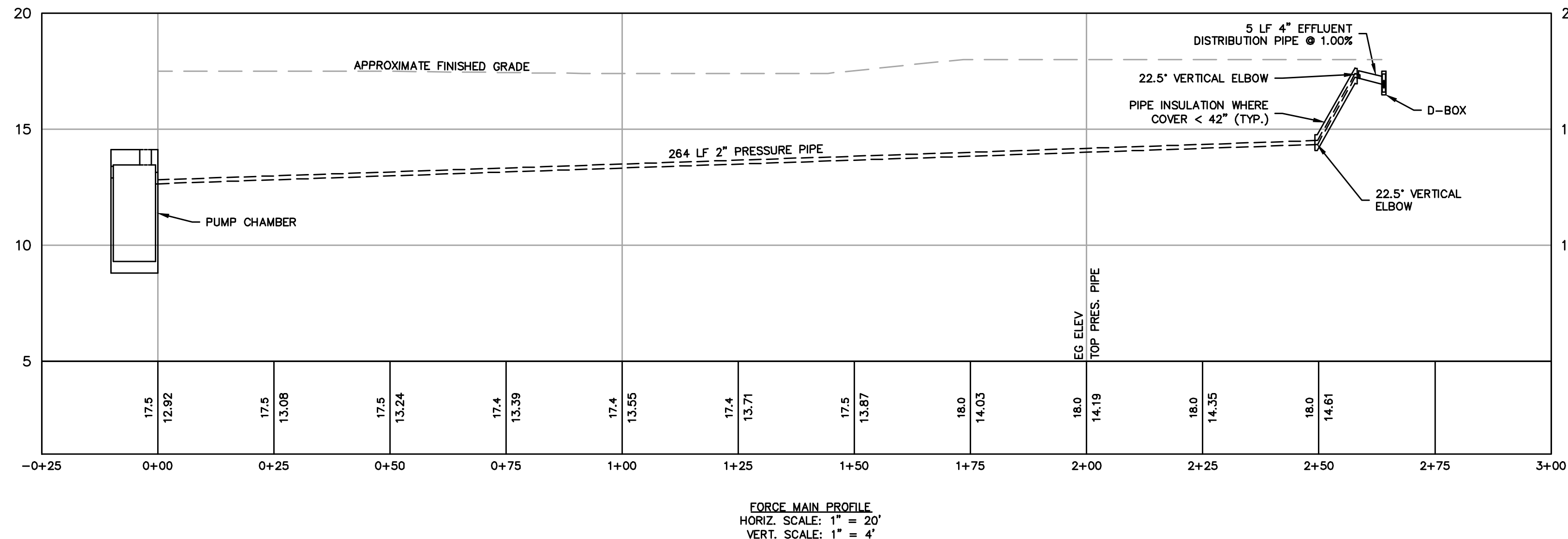
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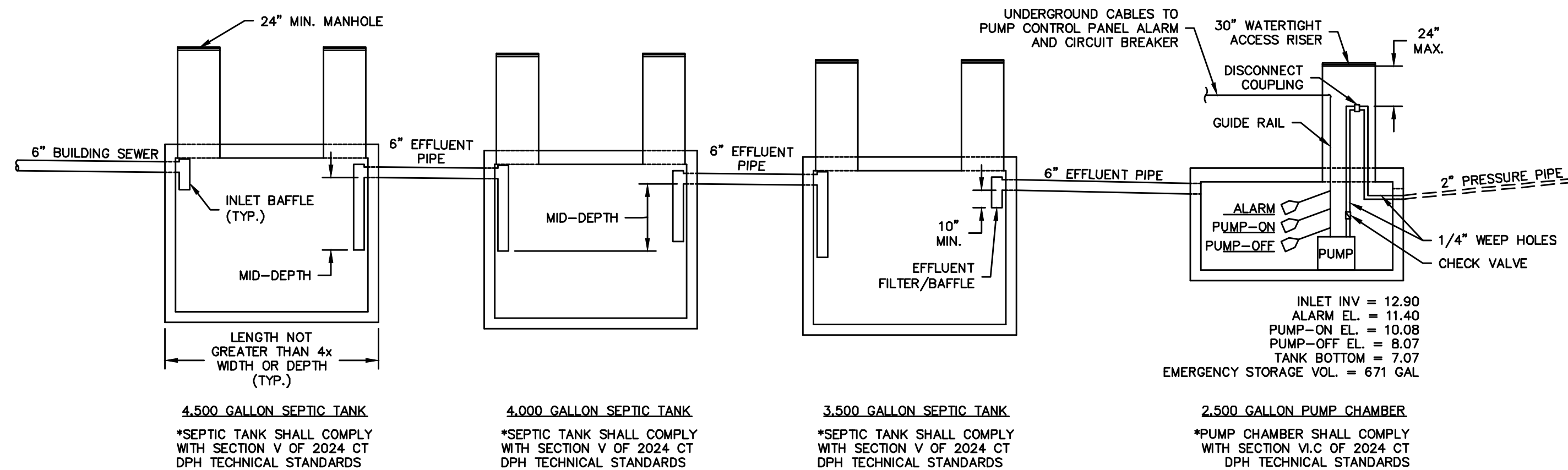
DWG:.

JOB. NO: 0100733.00

C-8.1



SEPTIC TANK DETAIL
SCALE: NONE



SEPTIC TANKS IN SERIES AND PUMP CHAMBER DETAIL
SCALE: NONE

PRECAST CONCRETE SEPTIC TANK NOTE:

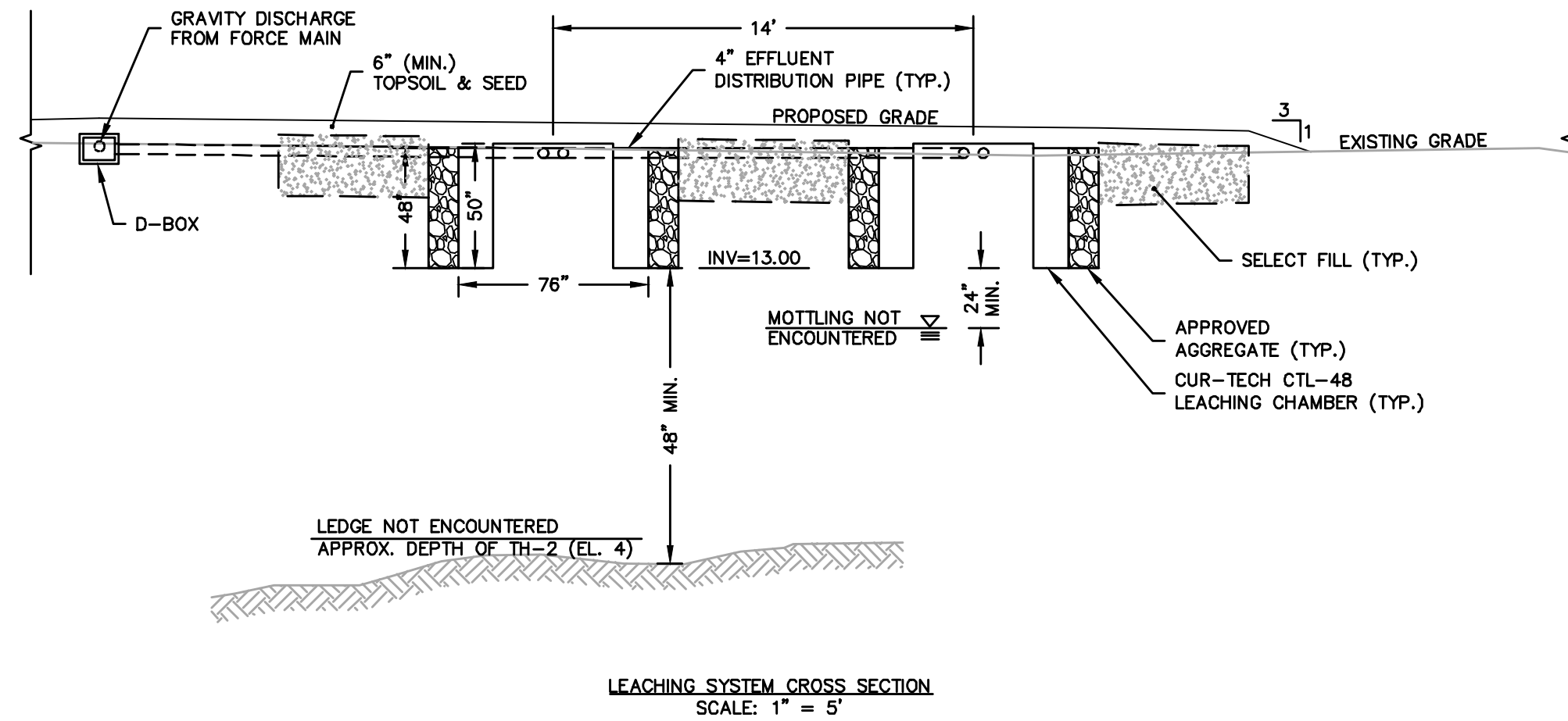
SEPTIC TANK SHALL BE MEET THE CT PUBLIC HEALTH CODE TECHNICAL STANDARDS BEING A TWO COMPARTMENT TANK WITH THE FIRST COMPARTMENT CONTAINING TWO THIRDS THE REQUIRED CAPACITY FOR SOLIDS (UNLESS MULTIPLE TANKS IN SERIES). THE SECOND COMPARTMENT SHALL CONTAIN ONE THIRD THE REQUIRED CAPACITY FOR LIQUIDS. THE TANK SHALL BE SET LEVEL ON A MINIMUM OF 6" OF PROCESSED AGGREGATE OR BROKEN STONE BASE ON COMPACTED SUBGRADE. THE OUTLET TO THE TANK SHALL CONTAIN THE APPROPRIATE TEE BAFFLE AND EFFLUENT FILTER ZABEL A-1800 OR APPROVED EQUAL. SEPTIC TANK SHALL BE WATER TIGHT.

PRECAST CONCRETE PUMP CHAMBER NOTES:

- TANK DESIGN SHALL CONFORM TO LATEST ASTM DESIGNATION C913.
- JOINT SEALANT: BUTYL RUBBER MASTIC TYPE SEAL THAT CONFORMS TO LATEST AASHTO SPECIFICATION M-198. MEETS FEDERAL SPECIFICATIONS SS-S-0021 (210-A).
- PIPE INLET AND OUTLET LOCATIONS SHALL HAVE POLYLOK II PIPE SEALS.
- TANK EXTERIOR SHALL BE COATED WITH BAY OIL, "EBONY" OR APPROVED EQUAL.
- THE TANK INTERIOR SHALL BE COATED WITH FLOROK EPOXY OR EQUAL.
- REINFORCING STEEL DEFORMED BARS SHALL CONFORM TO LATEST ASTM SPECIFICATION A615.
- CONCRETE COMPRESSIVE STRENGTH: 4,000 PSI AT 28 DAYS.
- METHOD OF MANUFACTURE: WET CAST.
- SECTION SHALL BE MONOLITHIC.
- CHAMBER TO BE DESIGNED FOR H-20 LOADING.

PUMP DESIGN NOTES:

- PUMPS SHALL BE DUPLICATE ALTERNATING PUMPS, PUMP MODEL FL51A, AS MANUFACTURED BY LIBERTY PUMPS, OR APPROVED EQUAL.
- PUMP CYCLE DESIGNED FOR 15 MINUTES AT 60 GPM WITH ~27 FEET OF TOTAL DYNAMIC HEAD. FLOAT ELEVATIONS FOR INTENDED DOSING VOLUME DETERMINED BASED ON INTERIOR TANK DIMENSIONS OF 6'-7" x 9'-1" (UNITED CONCRETE 2,500 GALLON PUMP CHAMBER). IF THE SELECTED PUMP CHAMBER INTERIOR DIMENSIONS DIFFER, FLOATS SHALL BE ADJUSTED TO MEET THE FOLLOWING CRITERIA:
A. PUMP-OFF ELEVATION SHALL BE 12 INCHES ABOVE THE TANK BOTTOM
B. ALARM ELEVATION SHALL BE 18 INCHES BELOW THE TANK INLET
C. PUMP-ON ELEVATION SHALL PROVIDE A DOSING VOLUME OF 900± GALLONS
- PUMPS TO BE CONFIGURED WITH DUPLEX ELECTRICAL ALTERNATOR CONTROL PANEL (COORDINATE WITH ELECTRICAL ENGINEER FOR PANEL LOCATION AND POWER REQUIREMENTS). PANEL SHALL BE NEMA 3R OR 4X, OR APPROVED EQUAL PER APPLICABLE BUILDING CODE.
- ALL PUMPS AND APPURTENANCES TO BE INSTALLED TO MANUFACTURER'S SPECIFICATIONS AND APPLICABLE BUILDING ELECTRICAL CODES.
- PUMP AND FORCE MAIN SHALL BE CONFIGURED SUCH THAT THE FORCE MAIN WILL COMPLETELY DRAIN ONCE THE PUMP SHUTS OFF.
- ROUTING OF ELECTRICAL AND ALARM TO BE BY OTHERS. ELECTRICAL WORK FOR PUMP SYSTEM AND ALARM REQUIRES A PERMIT FROM THE LOCAL BUILDING OFFICIAL. ENSURE PUMP AND ALARM SERVICES ARE CONNECTED TO THE BUILDING'S EMERGENCY BACKUP POWER SYSTEM.
- CONTRACTOR SHALL SUBMIT A COMPLETE PUMP SYSTEM SHOP DRAWING PACKAGE FOR REVIEW BY THE ENGINEER PRIOR TO CONSTRUCTION.



LEACHING SYSTEM CROSS SECTION
SCALE: 1" = 5'

IT IS THE INTENT OF THIS PLAN TO COMPLY WITH THE "CONNECTICUT PUBLIC HEALTH CODE REGULATIONS AND TECHNICAL STANDARDS FOR SUBSURFACE SEWAGE DISPOSAL SYSTEMS" TECHNICAL STANDARDS REVISED TO JANUARY 2024. THE CONTRACTOR /INSTALLER SHALL COMPLY WITH THE STANDARDS, MATERIALS AND SPECIFICATIONS SET FORTH THEREIN. IN THE EVENT A CONFLICT ARISES BETWEEN THE ABOVE REFERENCED STANDARDS AND THOSE SPECIFIED ON THIS PLAN, THE MORE STRINGENT SHALL APPLY. THE CONTRACTOR SHALL NOTIFY THE PERMITTING JURISDICTION AND THE ENGINEER OF ANY CHANGES, FIELD CONDITIONS AND/OR DEFICIENCIES OF THE PLAN WITH RESPECT TO THE PROPOSED SEPTIC SYSTEM.



MATTHEW R. STEPHAN, PE No. 34678

**PIERSON SCHOOL
RESIDENTIAL
REDEVELOPMENT**

75 EAST MAIN STREET

IN
CLINTON
CONNECTICUT
(MIDDLESEX COUNTY)

**SUBSURFACE SEWAGE
DISPOSAL SYSTEM
DETAILS**

AUGUST 27, 2024

REVISIONS:

NO.	DATE	DESC.
	08/15/24	SUBMITTED TO RAHD

ISSUED FOR PERMITTING

PREPARED FOR:
XENOLITH PARTNERS, LLC
PO BOX 413
BEDFORD, NY 10506

BSC GROUP
BUILD | SUPPORT | CONNECT

665 Winding Brook Drive
Glastonbury, Connecticut
06033 860 652 8227

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SCALE: AS SHOWN

FILE: p:\010073300\civil\drawings\010073300-ssds.dwg

DWG.:

JOB. NO: 0100733.00

C-8.2

<u>CODE</u>	<u>QTY</u>	<u>BOTANICAL / COMMON NAME</u>
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<u>CODE</u>	<u>QTY</u>	<u>BOTANICAL / COMMON NAME</u>	<u>CONT</u>	<u>CAL</u>	<u>HT</u>
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AK	10	ACER RUBRUM / RED MAPLE	B & B	3" CAL
GD	8	GLEDITSIA TRIACANTHOS INERMIS 'DRAVES' / STREET KEEPER® HONEY LOCUST	B & B	3" CAL
JE	19	JUNIPERUS VIRGINIANA / EASTERN RED CEDAR	B & B	4'-6'
PS	14	PINUS STROBUS / WHITE PINE	B & B	6'-8'
QB	9	QUERCUS BICOLOR / SWAMP WHITE OAK	B & B	3" CAL

AK	10	ACER RUBRUM / RED MAPLE	B & B	3" CAL
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SHRUBS

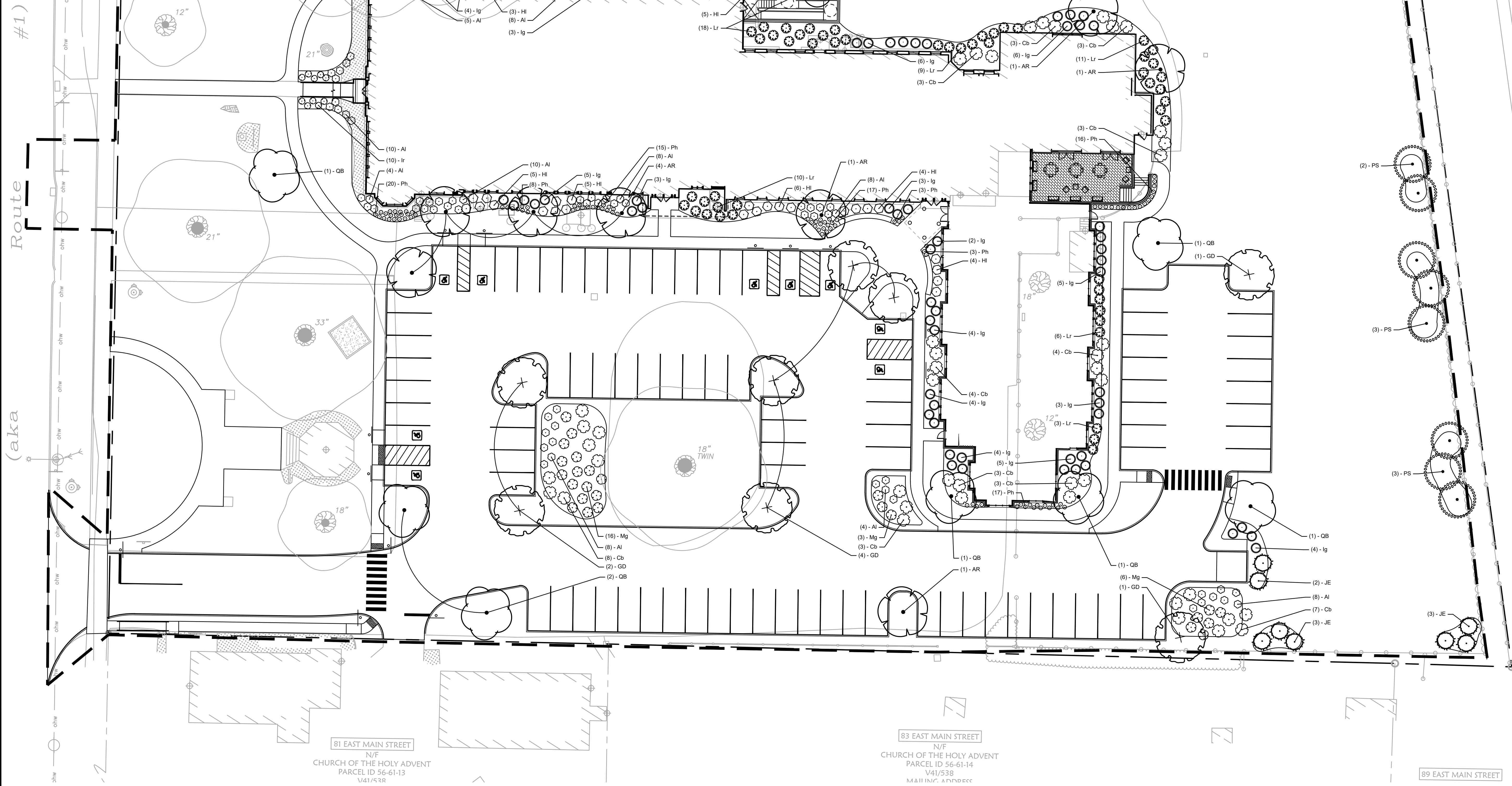
SHRUBS

Al	73	ARONIA MELANOCARPA 'CONNAM165' / LOW SCAPE MOUND® BLACK CHOKEBERRY	2 GAL	
Cb	44	CORNUS SERICEA 'BUDD'S YELLOW' / BUDD'S YELLOW TWIG DOGWOOD	2 GAL	18"-24"
	22	DIPILOCEA SUEFICA 'MAGNIFICA' / MAGNIFICENT	2 GAL	18"-24"

Al	73	ARONIA MELANOCARPA 'CONNAM165' / LOW SCAPE MOUND® BLACK CHOKEBERRY	2 GAL	
Cb	44	CORNUS SERICEA 'BUDD'S YELLOW' / BUDD'S YELLOW TWIG DOGWOOD	2 GAL	18"-24"
	22	DIPILOCEA SUEFICA 'MAGNIFICA' / MAGNIFICENT	2 GAL	18"-24"

Ir	10	ILEX VERTICILLATA 'RED SPRITE' / RED SPRITE WINTERBERRY	1 GAL	12"
Lr	57	LEUCOTHOE FONTANESIANA 'RAINBOW' / RAINBOW DROOPING LEUCOTHOE	2 GAL	12"-15"

Ir	10	ILEX VERTICILLATA 'RED SPRITE' / RED SPRITE WINTERBERRY	1 GAL	12"
Lr	57	LEUCOTHOE FONTANESIANA 'RAINBOW' / RAINBOW DROOPING LEUCOTHOE	2 GAL	12"-15"



75 EAST MAIN STREET

IN
CLINTON
CONNECTICUT
(MIDDLESEX COUNTY)

PLANTING PLAN

AUGUST 27, 2024

[illegible]

ISSUED FOR PERMITTING


PREPARED FOR:
XENOLITH PARTNERS, LLC
PO BOX 413
BEDFORD, NY 10506

BSC GROUP 
BUILD | SUPPORT | CONNECT

665 Winding Brook Drive
Glastonbury, Connecticut
06033
860 652 8227

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SCALE: 1" = 20'



A horizontal scale bar with alternating black and white segments. It is marked with the numbers 10, 20, and 40, representing feet.

FILE: p:\010073300\civil\drawings\010073300-plnt.dwg

OWG:..	L-1.0
JOB. NO: 0100733.00	