

WILTON PUBLIC WORKS  
DEPARTMENT

(203) 563-0152



TOWN HALL ANNEX  
238 Danbury Road  
Wilton, Connecticut 06897

## MEMORANDUM

**TO:** WPCA Commission

**FROM:** Stephen Santacroce, P.E., Senior Civil Engineer

**CC:** Michael Wrinn Director of Planning & Land Use Management  
Daphne White, Assistant Town Planner  
Frank Smeriglio, P.E. Director of Public Works / Town Engineer

**DATE:** September 11, 2023

**RE:** **241 Danbury Rd - Wilton MeetingHouse - SP #498**

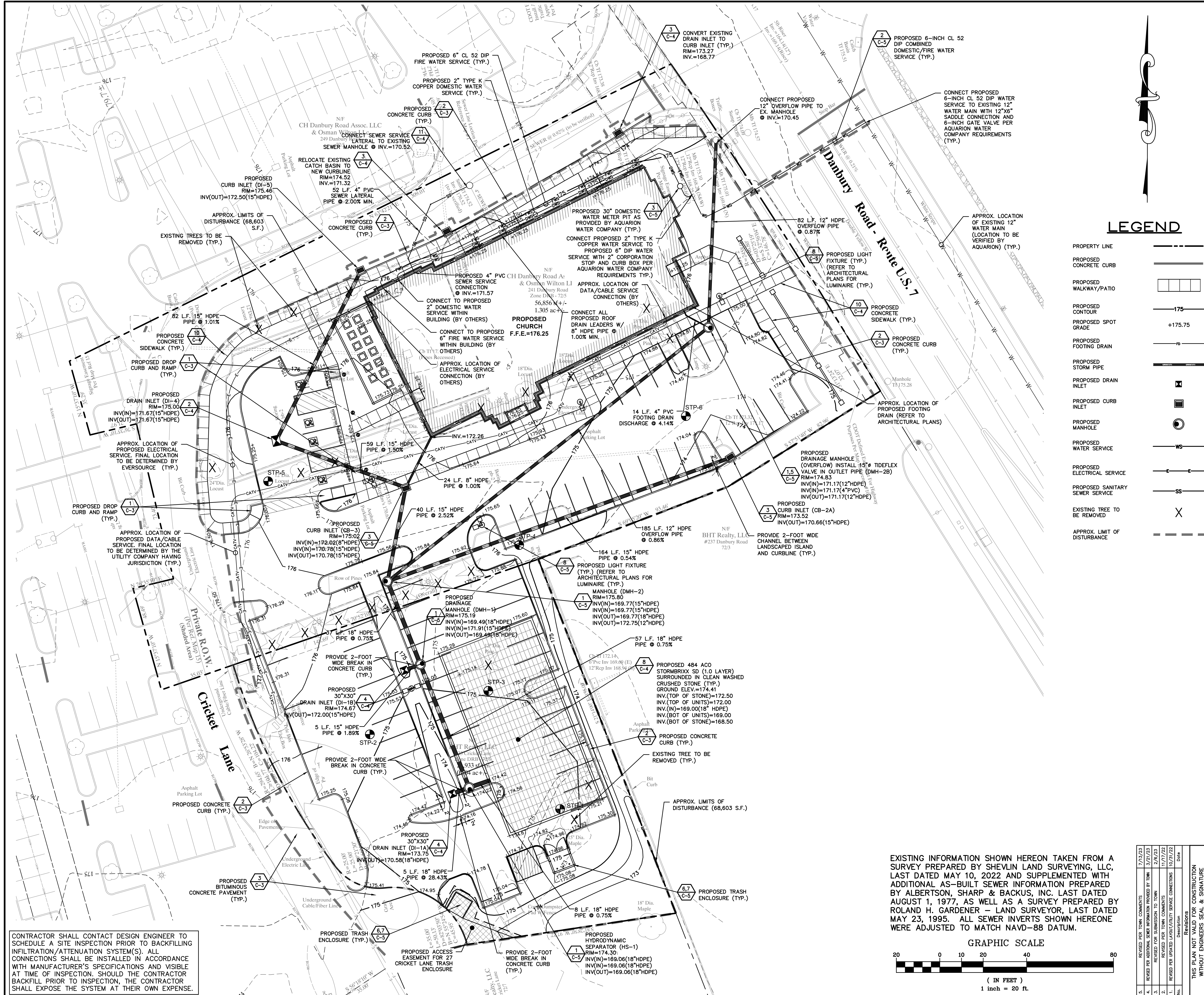
This is written in regards to the review of revised Sanitary Sewer Report submitted by Hudson Engineering and Consulting, dated March 21, 2023, revised to August 30, 2023. The revised Sanitary Sewer Report was modified based on our review letter dated August 15, 2023. Based on the review of the above mentioned application at this time, the following are the Engineering Department's comments relating to the proposed sanitary sewer system:

### Sanitary Sewer Items

1. Provide sanitary sewer calculations to compare existing flows verses proposed flows.  
**Addressed by design engineer.**
2. The project is subject to obtaining approvals from Wilton's WPCA Commission to connect additional units into the sanitary sewer system.  
**The project will be put on the WPCA commission agenda for the September meeting.**
3. Project may be subject to Norwalk WPCA's review and comment. Provide calculations described above for our review.  
**Addressed. Norwalk WPCA has reviewed the project and has no comments.**
4. The project will be subject to Sewer Capital Assessment as required by the WPCA. This will be levied upon completion of the project. The town will review the sewer use charges worksheet and will work with the developer during the construction process.  
**Engineer Acknowledged.**

5. Please confirm with Architect that no footing drains shall connect to the sanitary system. Depict the location of footing drain discharge.  
**Addressed.**
6. Provide sanitary lateral trench detail and manhole connection detail. Must core drill into the manhole and use a rubber boot to secure pipe at manhole.  
**Addressed.**
7. Please note, any potential clogs in the lateral and/or sewer main connection points shall be the responsibility of the property owner to unclog. Property owner shall be responsible for maintenance of the lateral.  
**Engineer Acknowledged.**
8. All proposed sewer lines shall be air tested prior to sign off of certificate of occupancy.  
**Engineer Acknowledged.**
9. The project will be subject to the final technical review by the WPCA.  
**Engineer Acknowledged.**

If you have any questions, please do not hesitate to call.



- GENERAL NOTES:**
- THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE SUPERVISION OF THE CONSTRUCTION.
  - NO CHANGES SHALL BE MADE TO THESE PLANS UNLESS DONE BY OR UNDER THE DIRECTION OF THE LICENSED AND REGISTERED ENGINEER THAT PREPARED THEM.
  - ALL WORK AND MATERIALS SHALL COMPLY WITH ALL APPLICABLE CODES, INCLUDING BUT NOT LIMITED TO A.C.I., A.I.S.C., ZONING, AND THE NEW YORK STATE BUILDING CODE.
  - ALL CONDITIONS, LOCATIONS AND DIMENSIONS SHALL BE FIELD VERIFIED AND THE ENGINEER SHALL BE IMMEDIATELY NOTIFIED OF ANY DISCREPANCIES.
  - ALL CHANGES MADE TO THE PLANS SHALL BE APPROVED BY THE ENGINEER AND ANY SUCH CHANGES SHALL BE FILED AS AMENDMENTS TO THE ORIGINAL BUILDING PERMIT.
  - THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK USING HIS BEST SKILL AND ATTENTION. HE SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
  - THE CONTRACTOR SHALL BE RESPONSIBLE TO THE OWNER FOR THE ACTS AND OMISSIONS OF HIS EMPLOYEES, SUBCONTRACTORS AND THEIR AGENTS AND EMPLOYEES, AND OTHER PERSONS PERFORMING ANY OF THE WORK UNDER A CONTRACT WITH THE CONTRACTOR.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND SHALL CONFORM TO ALL LOCAL, STATE AND FEDERAL AGENCIES IN EFFECT DURING THE PERIOD OF CONSTRUCTION.
  - THE CONTRACTOR AND HIS SUBCONTRACTORS SHALL MAKE APPLICATION TO RECEIVE ALL NECESSARY PERMITS TO PERFORM THE WORK UNDER CONTRACT. THE CONTRACTOR AND HIS SUBCONTRACTORS SHALL BE LICENSED TO DO ALL WORK AS REQUIRED BY THE LOCAL, COUNTY, AND STATE AGENCIES WHICH MAY HAVE JURISDICTION OVER THOSE TRADES, AND SHALL PRESENT THE OWNER WITH COPIES OF ALL LICENSES AND INSURANCE CERTIFICATES.
  - FINAL GRADING AROUND THE BUILDING AREA SHALL SLOPE AWAY FROM THE STRUCTURE.
  - ALL WRITTEN DIMENSIONS ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER ANY SCALED DIMENSIONS.
  - ADJOINING PUBLIC AND PRIVATE PROPERTY SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION, REMODELING AND DEMOLITION WORK. PROTECTION MUST BE PROVIDED FOR FOOTINGS, FOUNDATIONS, PARTY WALLS, CHIMNEYS, SKYLIGHTS AND ROOFS. PROVISIONS SHALL BE MADE TO CONTROL WATER RUNOFF AND EROSION DURING CONSTRUCTION OR DEMOLITION ACTIVITIES. THE PERSON MAKING OR CAUSING AN EXCAVATION TO BE MADE SHALL PROVIDE WRITTEN NOTICE TO THE OWNERS OF ADJOINING BUILDINGS ADVISING THEM THAT THE EXCAVATION IS BEING MADE AND THAT THE ADJOINING BUILDING SHOULD BE PROTECTED. SAID NOTICE SHALL BE DELIVERED NOT LESS THAN 10 DAYS PRIOR TO THE SCHEDULED STARTING DATE OF THE EXCAVATION.
  - OWNER SHALL INSURE THAT INSURANCE PROVIDED BY THE CONTRACTOR HIRED TO PERFORM WORK SHALL BE ENDORSED TO NAME HUDSON ENGINEERING & CONSULTING, P.C., AND ANY DIRECTORS, OFFICERS, EMPLOYEES, SUBSIDIARIES, AND AFFILIATES, AS ADDITIONAL INSURED ON ALL POLICIES AND HOLD HARMLESS DOCUMENTS, AND SHALL STIPULATE THAT THIS INSURANCE IS PRIMARY, AND THAT ANY OTHER INSURANCE OR SELF-INSURANCE MAINTAINED BY HUDSON ENGINEERING & CONSULTING, P.C., SHALL BE EXCESS ONLY AND SHALL NOT BE CALLED UPON TO CONTRIBUTE WITH THIS INSURANCE. 150 ADDITIONAL INSURED ENDORSEMENT FORM NUMBER C22010 1185 UNDER G.L. COPIES OF THE INSURANCE POLICIES SHALL BE SUBMITTED TO HUDSON ENGINEERING & CONSULTING, P.C., FOR APPROVAL PRIOR TO THE SIGNING OF THE CONTRACT.
  - INDUSTRIAL CODE RULE 753: THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES 72 HOURS PRIOR TO THE START OF HIS OPERATIONS AND SHALL COMPLY WITH ALL THE LATEST INDUSTRIAL CODE RULE 753 REGULATIONS.

- SITE NOTES:**
- EXISTING FEATURES AND TOPOGRAPHY WERE TAKEN FROM A SURVEY ENTITLED "EXISTING CONDITIONS AND TOPOGRAPHY OF THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS, 241 DANBURY ROAD, WILTON, CONNECTICUT".
  - ELEVATIONS SHOWN ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). THE CONTRACTOR SHALL COORDINATE THE TRANSFER OF A CONTROL BENCHMARK TO THE WORKING AREA. AFTER SITE PREPARATION IS COMPLETE BY A LICENSED SURVEYOR.
  - THE INFORMATION GIVEN ON THESE PLANS IN RESPECT TO THE LOCATION OF SUBSURFACE STRUCTURES AND UTILITIES INDICATES ONLY THAT THE STRUCTURES AND UTILITIES EXIST AND NO RESPONSIBILITY IS ASSUMED BY THE ENGINEER FOR THE ACCURACY OF THE LOCATIONS SHOWN. UTILITY INFORMATION IS NOT GUARANTEED TO BE COMPLETE OR ACCURATE.
  - IN ACCORDANCE WITH CONNECTICUT PUBLIC ACT 87-71 AND CONNECTICUT GENERAL STATUTES SECTIONS 16-345 THROUGH 16-359, THE OWNER OR THE CONTRACTOR SHALL BE REQUIRED TO VERIFY THE DEPTH AND LOCATION OF ALL UTILITIES PRIOR TO COMMENCING CONSTRUCTION, AND SHALL CONTACT "CALL BEFORE YOU DIG, INC." AT 1-800-922-4455, 48-HOURS PRIOR TO COMMENCING CONSTRUCTION FOR MARK OUT OF UNDERGROUND UTILITIES.
  - THE CONTRACTOR SHALL OBTAIN ALL APPROPRIATE PERMITS PRIOR TO COMMENCING CONSTRUCTION.
  - ALL CONSTRUCTION SHALL COMPLY WITH APPLICABLE SECTIONS OF THE STATE OF CONNECTICUT, LOCAL AND INTERNATIONAL BUILDING CODES, AND THOSE CRITERIA SHALL TAKE PRECEDENCE OVER THESE PLANS.
  - THE LOCATIONS AND ELEVATIONS OF THE PROPOSED STORMWATER MANAGEMENT SYSTEM DEPICTED HEREON MAY BE MODIFIED WITH THE APPROVAL OF THE PROJECT ENGINEER TO MEET FIELD CONDITIONS.
  - FINAL LOCATIONS OF THE ROOF DRAIN DOWNSPOUTS SHALL BE COORDINATED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
  - THE LOCATIONS OF PROPOSED UTILITIES DEPICTED HEREON ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND MAINTAINING TRAFFIC FLOW ON CRICKET LANE AND DANBURY ROAD THROUGHOUT THE DURATION OF THE PROJECT.
  - UPON COMPLETION OF CONSTRUCTION, CONTRACTOR SHALL CLEAN ALL COMPONENTS OF THE STORMWATER MANAGEMENT SYSTEM INCLUDING, BUT NOT LIMITED TO THE ATTENUATION SYSTEM, DRAIN INLETS, MANHOLES, TRENCH DRAINS, PIPING, ETC.
  - NO FOOTING DRAINS SHALL BE CONNECTED TO THE SANITARY SEWER SYSTEM.
  - ANY POTENTIAL CLOGS IN THE LATERAL AND/OR SEWER MAIN CONNECTION POINTS SHALL BE THE RESPONSIBILITY OF THE PROPERTY OWNER TO UNLOG. THE PROPERTY OWNER SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF THE LATERAL CONNECTION BETWEEN THE BUILDING AND THE SEWER MAIN WITHIN DANBURY ROAD.
  - ALL PROPOSED SEWER LINES SHALL BE AIR TESTED PER TOWN OF WILTON REQUIREMENTS PRIOR TO SIGN OFF OF THE CERTIFICATE OF OCCUPANCY.

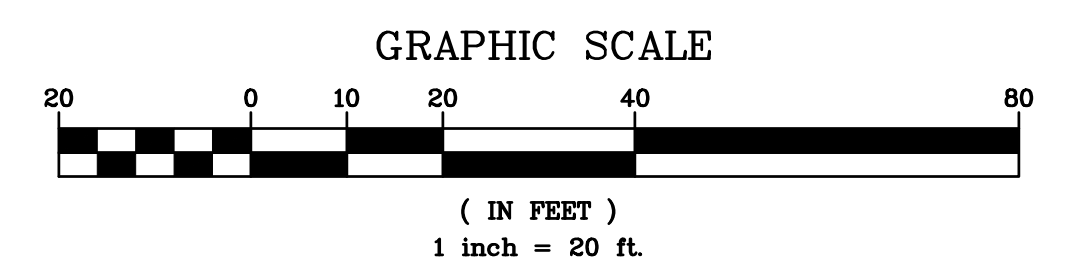
**EARTHWORK ANALYSIS**

CUT	FILL	NET
184.30 CU. YD.	1,264.41 CU. YD.	1,080.11 CU. YD. (-FILL)

**LEGEND**

- PROPERTY LINE
- PROPOSED CONCRETE CURB
- PROPOSED WALKWAY/PATIO
- PROPOSED CONTOUR
- PROPOSED SPOT GRADE
- PROPOSED FOOTING DRAIN
- PROPOSED STORM PIPE
- PROPOSED DRAIN INLET
- PROPOSED CURB INLET
- PROPOSED MANHOLE
- PROPOSED WATER SERVICE
- PROPOSED ELECTRICAL SERVICE
- PROPOSED SANITARY SEWER SERVICE
- EXISTING TREE TO BE REMOVED
- APPROX. LIMIT OF DISTURBANCE

EXISTING INFORMATION SHOWN HEREON TAKEN FROM A SURVEY PREPARED BY SHEVLIN LAND SURVEYING, LLC, LAST DATED MAY 10, 2022 AND SUPPLEMENTED WITH ADDITIONAL AS-BUILT SEWER INFORMATION PREPARED BY ALBERTSON, SHARP & BACKUS, INC. LAST DATED AUGUST 1, 1977, AS WELL AS A SURVEY PREPARED BY ROLAND H. GARDNER - LAND SURVEYOR, LAST DATED MAY 23, 1995. ALL SEWER INVERTS SHOWN HEREON WERE ADJUSTED TO MATCH NAVD-88 DATUM.



CONTRACTOR SHALL CONTACT DESIGN ENGINEER TO SCHEDULE A SITE INSPECTION PRIOR TO BACKFILLING INFILTRATION/ATTENUATION SYSTEM(S). ALL CONNECTIONS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND VISIBLE AT TIME OF INSPECTION. SHOULD THE CONTRACTOR BACKFILL PRIOR TO INSPECTION, THE CONTRACTOR SHALL EXPOSE THE SYSTEM AT THEIR OWN EXPENSE.

NO.	REVISIONS	DATE
1	REVISED PER TOWN COMMENTS	7/13/23
2	REVISED PER TOWN COMMENTS	7/27/23
3	REVISED PER TOWN COMMENTS	8/13/23
4	REVISED PER TOWN COMMENTS	8/13/23
5	REVISED PER TOWN COMMENTS	8/13/23

PROJECT: WILTON MEETINGHOUSE  
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS  
241 DANBURY ROAD  
TOWN OF WILTON  
FAIRFIELD COUNTY - CONNECTICUT  
STORMWATER MANAGEMENT PLAN

**HUDSON ENGINEERING CONSULTING, P.C.**  
45 Knollwood Road - Suite 201  
Elmford, New York 10523  
F: 914-909-0420  
F: 914-560-2086  
© 2023

Date: 8/19/23 Sheet: 1 of 1  
Scale: 1" = 20'  
Designed By: D.C.  
Checked By: M.S.  
Sheet No. C-1

**INSTALLATION & MAINTENANCE OF EROSION CONTROL:**

**CONSTRUCTION SCHEDULE**  
 NOTIFY APPROPRIATE MUNICIPAL AGENCY HAVING JURISDICTION AT LEAST 5 DAYS PRIOR TO START.

**EROSION CONTROL MEASURES**  
 INSTALL ALL EROSION CONTROL MEASURES PRIOR TO START OF CONSTRUCTION. CALL FOR INSPECTION FROM THE APPROPRIATE MUNICIPAL AGENCY HAVING JURISDICTION AT LEAST 2 DAYS PRIOR TO FINISH.

**INSPECTION BY MUNICIPALITY**  
 MAINTENANCE (TO BE PERFORMED DURING ALL PHASES OF CONSTRUCTION)

AFTER ANY RAIN CAUSING RUNOFF, CONTRACTOR TO INSPECT HAYBALES, ETC. AND REMOVE ANY EXCESSIVE SEDIMENT AND INSPECT STOCKPILES AND CORRECT ANY PROBLEMS WITH SEED ESTABLISHMENT. INSPECTIONS SHALL BE DOCUMENTED IN WRITING AND SUBMITTED TO THE APPROPRIATE MUNICIPAL AGENCY HAVING JURISDICTION.

**INSPECTION BY MUNICIPALITY - FINAL GRADING**  
 REMOVE UNNEEDED SUBGRADE FROM SITE. CALL FOR INSPECTION FROM THE APPROPRIATE MUNICIPAL AGENCY HAVING JURISDICTION AT LEAST 2 DAYS PRIOR TO FINISH.

**INSPECTION BY MUNICIPALITY - LANDSCAPING**

SPREAD TOPSOIL EVENLY OVER AREAS TO BE SEED. HAND RAKE LEVEL. BROADCAST 1.25 LB. BAG OF JONATHAN GREEN "FASTGROW" MIX OR EQUAL OVER AREA TO BE SEED. APPLY STRAW MULCH AND WATER WITHIN 2 DAYS OF COMPLETION OF TOPSOILING. CALL FOR INSPECTION FROM THE APPROPRIATE MUNICIPAL AGENCY HAVING JURISDICTION AT LEAST 2 DAYS PRIOR TO FINISH.

**INSPECTION BY MUNICIPALITY - FINAL LANDSCAPING**

GRASS ESTABLISHED. CALL FOR INSPECTION FROM THE APPROPRIATE MUNICIPAL AGENCY HAVING JURISDICTION AT LEAST 2 DAYS PRIOR TO FINISH.

**INSPECTION BY MUNICIPALITY - FINAL INSPECTION**

ALL EROSION CONTROL MEASURES REMOVED AND GRASS ESTABLISHED. CALL FOR INSPECTION FROM THE APPROPRIATE MUNICIPAL AGENCY HAVING JURISDICTION AT LEAST 2 DAYS PRIOR TO FINISH.

**SEDIMENTATION & EROSION CONTROL NOTES:**

- TEMPORARY SOIL AND EROSION CONTROL MEASURES INCLUSIVE OF FILTER BARRIERS, WATER BREAKS, CHECK DAMS AND ANTI-TRACKING AREAS SHALL REMAIN IN PLACE FOR AS LONG AS NECESSARY TO PERMANENTLY STABILIZE DEVELOPED AREAS.
- EROSION AND SEDIMENT CONTROL DEVICES MAY BE DONE IN ANY AREA UNTIL THE DEVICES FOR THAT AREA, AS SHOWN ON THE PLAN, ARE IN PLACE AND FUNCTIONAL.
- NATURAL VEGETATION SHALL BE MAINTAINED AND PROTECTED TO THE MAXIMUM EXTENT PRACTICABLE.
- ALL SEDIMENT AND EROSION CONTROL DEVICES AND PROVISIONS SHALL BE MAINTAINED IN OPERATIONAL CONDITION BY THE CONTRACTOR UNTIL FINAL ACCEPTANCE OF THE PROJECT.
- NO CHANGES OF THIS SOIL EROSION AND SEDIMENT CONTROL PLAN MAY BE MADE WITHOUT APPROVAL OF THE PROJECT ENGINEER.
- LAND DISTURBANCE IS TO BE KEPT TO A MINIMUM AND REESTABLISHMENT AND/OR STABILIZATION OF DISTURBED AREAS SHALL BE SCHEDULED AS SOON AS PRACTICAL.
- EROSION CONTROLS SHALL BE MONITORED PERIODICALLY TO VERIFY THAT THEY ARE MAINTAINED IN EFFECTIVE WORKING ORDER. IF, DURING CONSTRUCTION, ADDITIONAL CONTROL MEASURES ARE NECESSARY, THEY SHALL BE INSTALLED.
- SEDIMENT OR DEBRIS SHALL BE REMOVED FROM THE DRAINAGE PIPES AND STRUCTURES AS ACCUMULATES DURING CONSTRUCTION. IT SHALL BE DISPOSED OF IN A MANNER WHICH IS CONSISTENT WITH THE INTENT OF THIS PLAN.
- SEDIMENT FENCING SHALL BE INSTALLED WHERE REQUIRED PRIOR TO COMMENCING CONSTRUCTION AND SHALL REMAIN IN PLACE FOR THE DURATION OF THE PROJECT. FENCING SHALL BE PROPEX SILT STOP (TM) AS MANUFACTURED BY AMOCO OR APPROVED EQUAL.
- THE CONTRACTOR MAY PROVIDE ALTERNATE MEANS OF SEDIMENT CONTROL, BUT HE MAY NOT ELIMINATE PLACEMENT OF PROTECTION IN THE AREAS INDICATED HEREON.
- THE CONTRACTOR SHALL RE-GRADE, TOPSOIL, AND SEED ALL DISTURBED AREAS IMMEDIATELY AFTER CONSTRUCTION HAS BEEN COMPLETED.
- COPIES OF THE SEDIMENTATION AND EROSION CONTROL PLAN ARE TO BE MAINTAINED AT THE SITE AND PROVIDED TO THE PROJECT FOREMAN AND SUBCONTRACTORS PRIOR TO THE START OF WORK.
- ADDITIONAL PROTECTION MEASURES SHALL BE IMPLEMENTED AS SITE CONDITIONS WARRANT.
- AN ADDITIONAL 10% OF TRAP ROCK, HAY BALES, SNOWFENCING, FABRIC FENCING, AND OTHER CONTROL MATERIALS ARE TO BE STOCKPILED ON SITE FOR USE AS NECESSARY.
- REFER TO EROSION AND SEDIMENTATION CONTROL HANDBOOK - CONNECTICUT FOR ADDITIONAL DETAILS AND SPECIFICATIONS FOR SEDIMENTATION CONTROL.

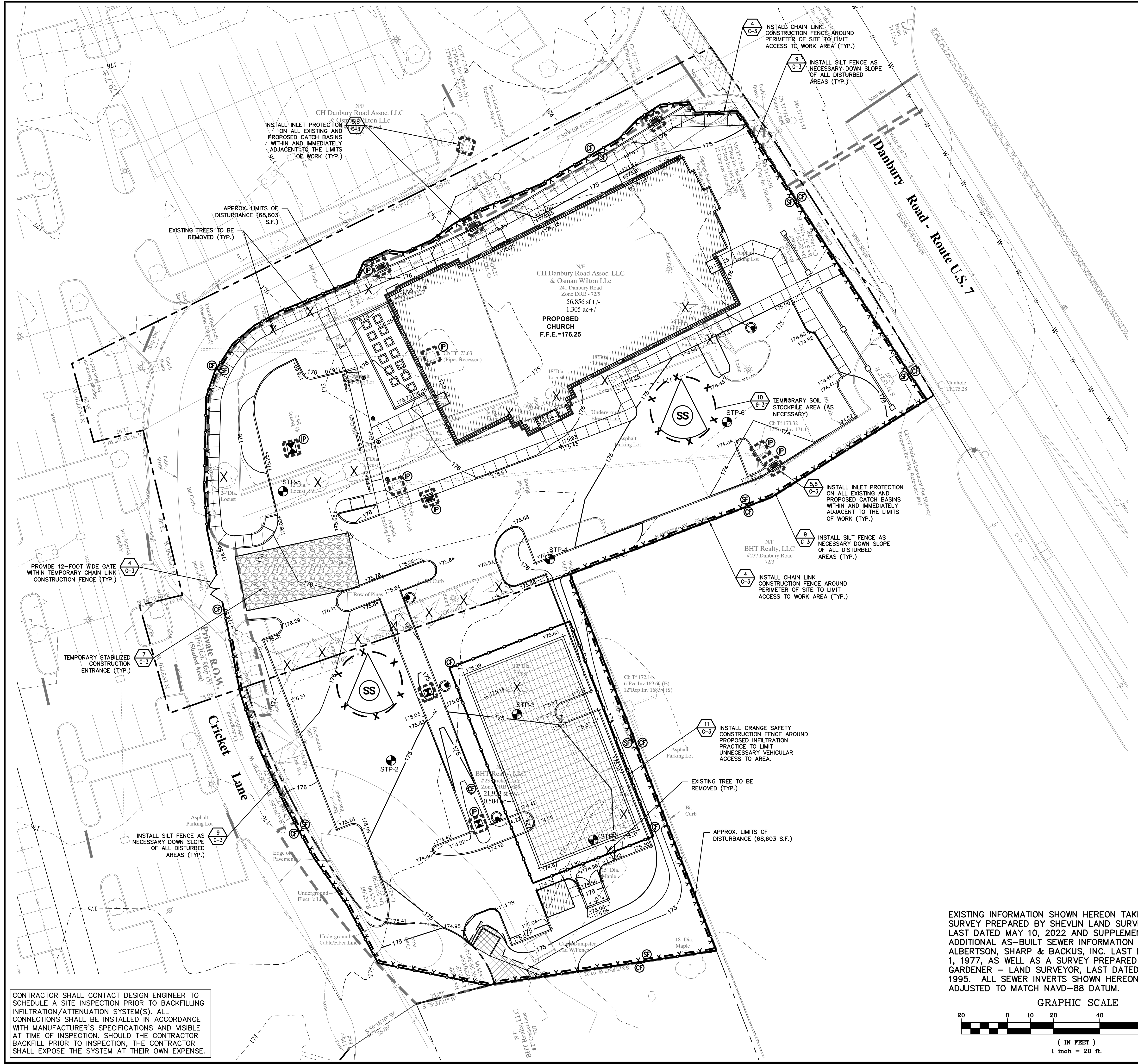
**CONSTRUCTION SEQUENCING:**

- THE FOLLOWING EROSION CONTROL SCHEDULE SHALL BE UTILIZED:
- SELECTIVE VEGETATION REMOVAL FOR SILT FENCE INSTALLATION.
  - INSTALL SILT FENCE DOWN SLOPE OF ALL AREAS TO BE DISTURBED.
  - REMOVE TREES WHERE NECESSARY (CLEAR & GRUB) FOR THE CONSTRUCTION OF THE PROJECT.
  - STRIP TOPSOIL AND STOCKPILE AT THE LOCATIONS SPECIFIED ON THE PLANS (UP GRADIENT OF EROSION CONTROL MEASURES). TEMPORARILY STABILIZE TOPSOIL STOCKPILES (HYDROSEED AND INSTALL SILT FENCE AROUND TOE OF SLOPE).
  - ROUGH GRADE SITE.
  - CONSTRUCT SUBSURFACE INFILTRATION SYSTEM AND INSTALL DRAIN INLETS AND ASSOCIATED DRAINAGE PIPING.
  - INSTALL CURBING AND SUB-BASE COURSE IN THE PARKING AREA. INSTALL INLET PROTECTION AROUND ALL EXISTING AND PROPOSED DRAIN INLETS.
  - CONSTRUCT BUILDING FOUNDATION AND BUILDING.
  - FINE GRADE AND SEED THE ENTIRE PROJECT SITE AND INSTALL LANDSCAPE PLANTINGS.
  - INSTALL ASPHALT PAVEMENT FOR PARKING AREA AND CONCRETE WALKWAYS.
  - REMOVE ALL TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES AFTER THE SITE IS STABILIZED WITH VEGETATION.
  - VACUUM CLEAN ALL SEDIMENT FROM EXISTING AND PROPOSED DRAINAGE STRUCTURES AND REMOVE SEDIMENT BUILD-UP FROM PROPOSED LEVEL SPREADER.

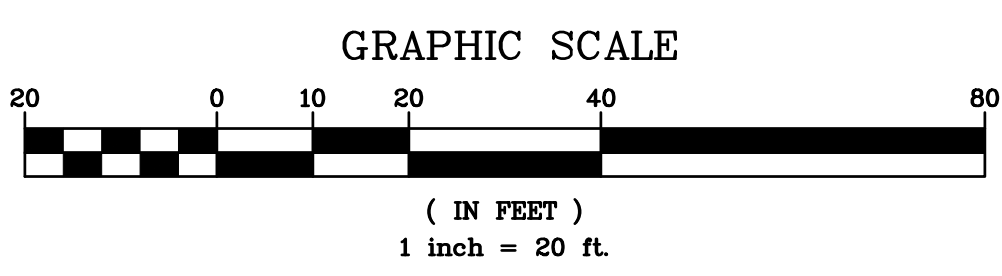
\* SOIL EROSION AND SEDIMENT CONTROL MAINTENANCE MUST OCCUR EVERY TWO WEEKS AND PRIOR TO AND AFTER EVERY 1/2" OR GREATER RAINFALL EVENT.

**LEGEND**

- PROPERTY LINE
- PROPOSED CONCRETE CURB
- PROPOSED WALKWAY/PATIO
- PROPOSED CONTOUR
- PROPOSED SPOT GRADE
- TEMPORARY INLET PROTECTION
- TEMPORARY SILT FENCE
- TEMPORARY CONSTRUCTION FENCE
- TEMPORARY SOIL STOCKPILE AREA
- STABILIZED CONSTRUCTION ENTRANCE
- PROPOSED TREE PROTECTION
- TEST PIT LOCATION
- EXISTING TREE TO BE REMOVED
- APPROX. LIMIT OF DISTURBANCE

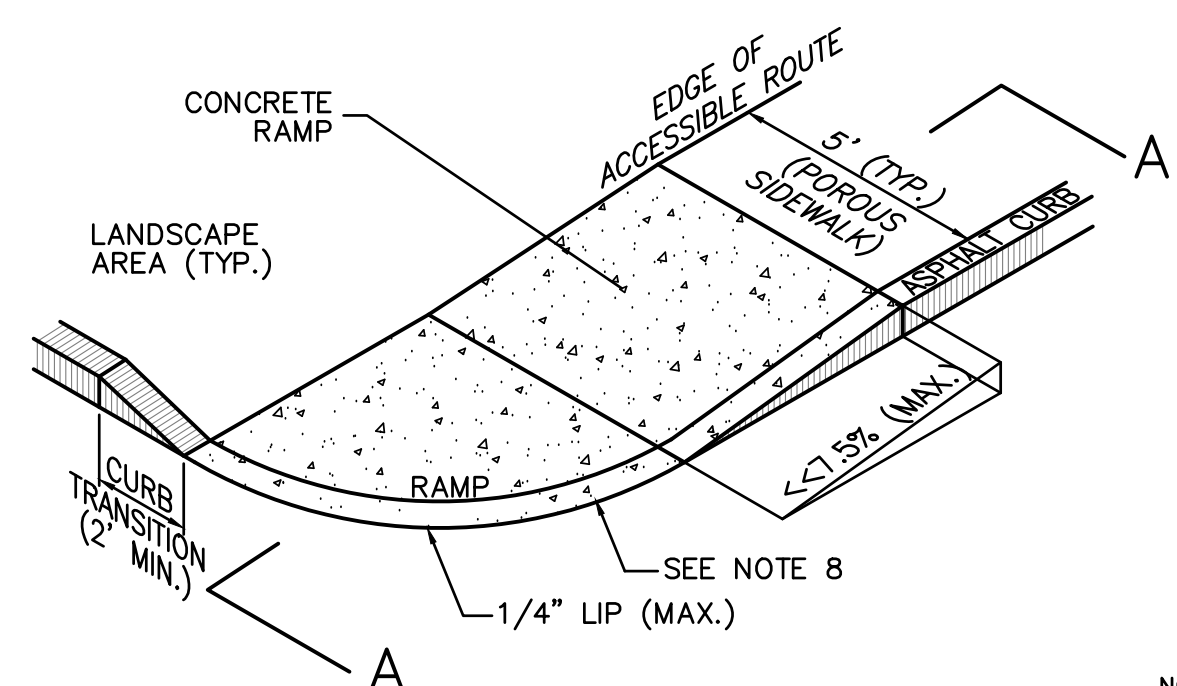
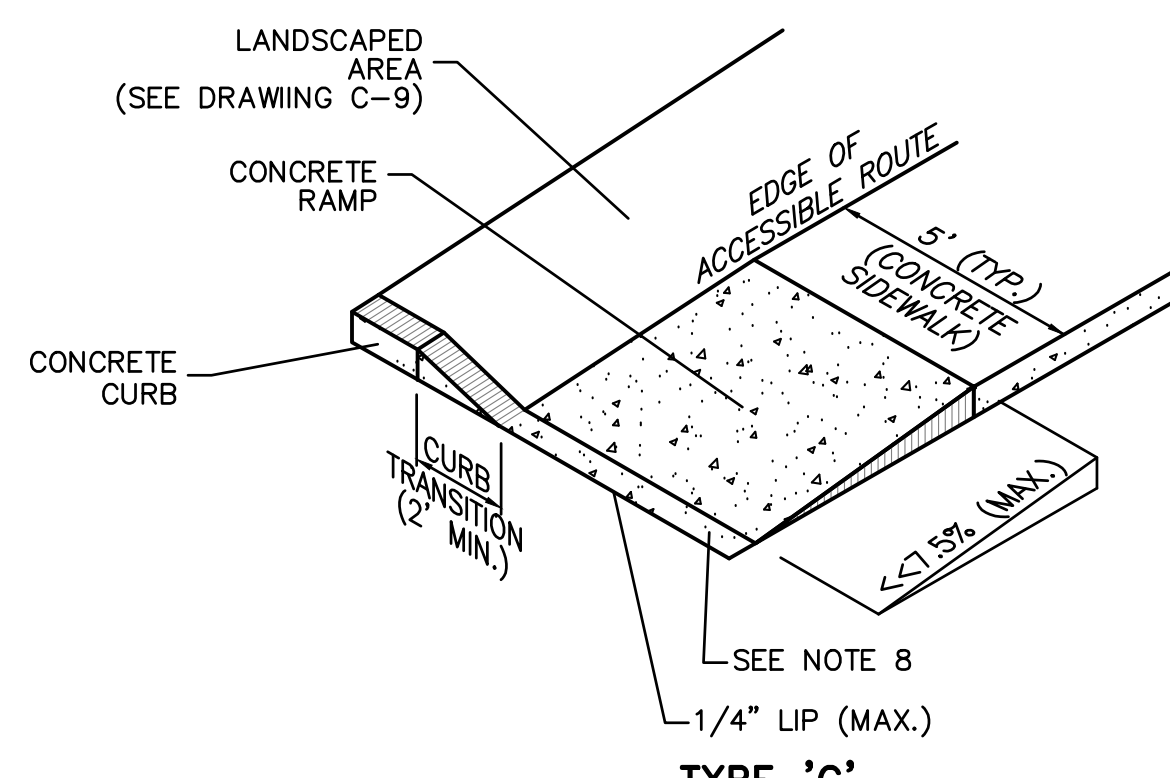


EXISTING INFORMATION SHOWN HEREON TAKEN FROM A SURVEY PREPARED BY SHEVLIN LAND SURVEYING, LLC, LAST DATED MAY 10, 2022 AND SUPPLEMENTED WITH ADDITIONAL AS-BUILT SEWER INFORMATION PREPARED BY ALBERTSON, SHARP & BACKUS, INC. LAST DATED AUGUST 1, 1977, AS WELL AS A SURVEY PREPARED BY ROLAND H. GARDENER - LAND SURVEYOR, LAST DATED MAY 23, 1995. ALL SEWER INVERTS SHOWN HEREON WERE ADJUSTED TO MATCH NAVD-88 DATUM.



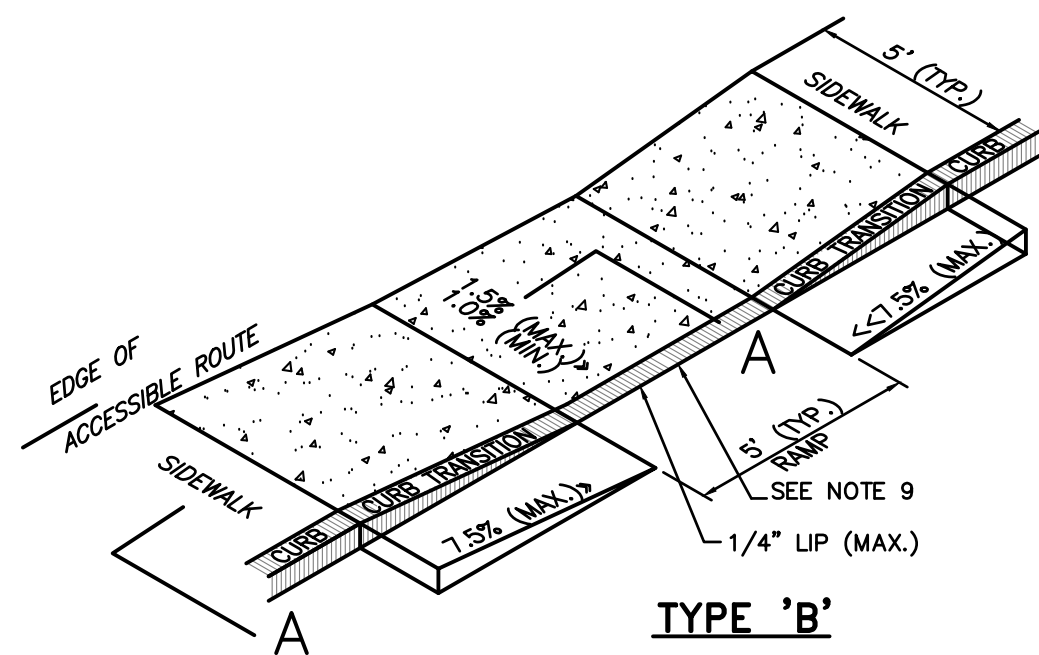
CONTRACTOR SHALL CONTACT DESIGN ENGINEER TO SCHEDULE A SITE INSPECTION PRIOR TO BACKFILLING INFILTRATION/ATTENUATION SYSTEM(S). ALL CONNECTIONS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND VISIBLE AT TIME OF INSPECTION. SHOULD THE CONTRACTOR BACKFILL PRIOR TO INSPECTION, THE CONTRACTOR SHALL EXPOSE THE SYSTEM AT THEIR OWN EXPENSE.

<p>7/13/23 REVISED PER TOWN COMMENTS</p> <p>7/17/23 REVISED FOR SUBMISSION TO TOWN</p> <p>7/17/23 REVISED PER TOWN COMMENTS</p> <p>7/17/23 REVISED FOR SUBMITTED SERVICE CONNECTIONS</p> <p>7/17/23 REVISED PER TOWN COMMENTS</p>	<p>PROJECT: WILTON MEETINGHOUSE                  THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS                  241 DANBURY ROAD                  TOWN OF WILTON                  FAIRFIELD COUNTY - CONNECTICUT</p> <p><b>EROSION &amp; SEDIMENT CONTROL PLAN</b></p> <p><b>HUDSON ENGINEERING &amp; CONSULTING, P.C.</b>                  45 Knollwood Road - Suite 201                  Elmstort, New York 10523                  T: 914-909-0420                  F: 914-560-2086</p> <p>Date: 8/19/22 Sheet: 2 of 2                  Scale: 1" = 20'                  Designed By: D.C.                  Checked By: M.S.                  Sheet No. 5</p> <p><b>HEC</b></p>	<p>STATE OF CONNECTICUT                  REGISTERED PROFESSIONAL ENGINEER                  M.S.</p> <p><b>C-2</b></p>
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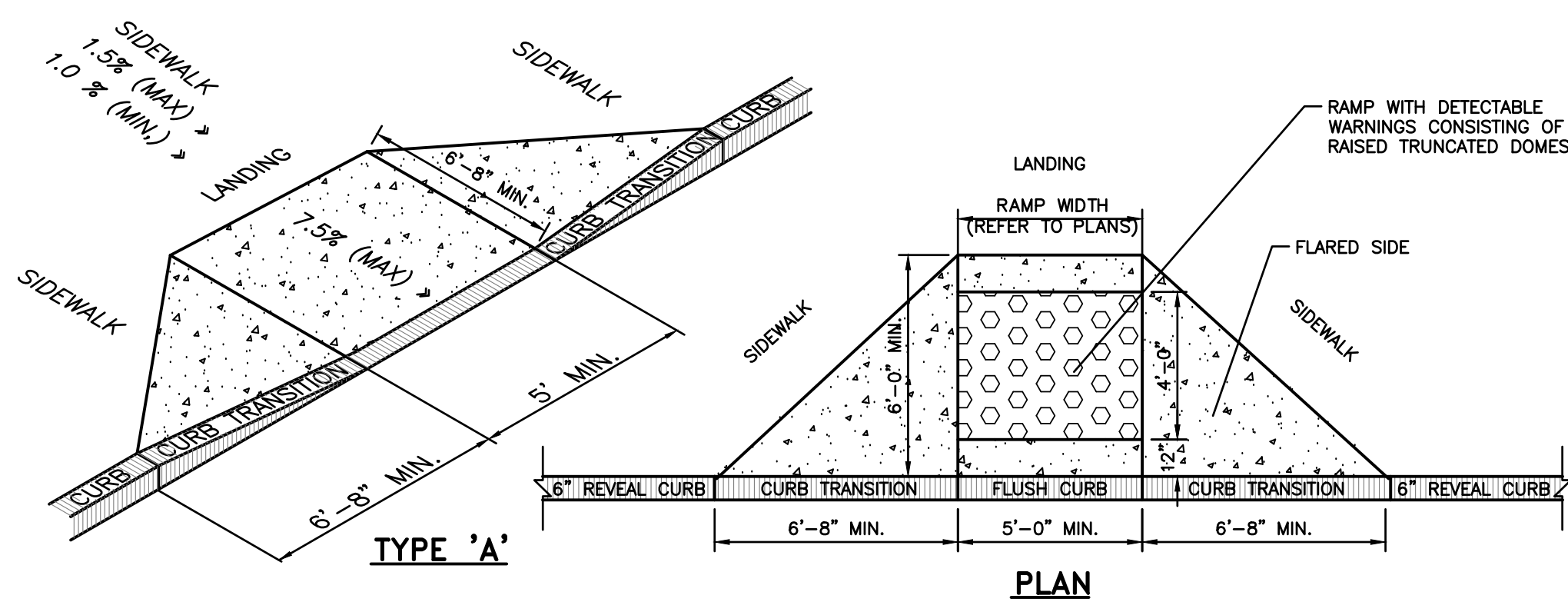
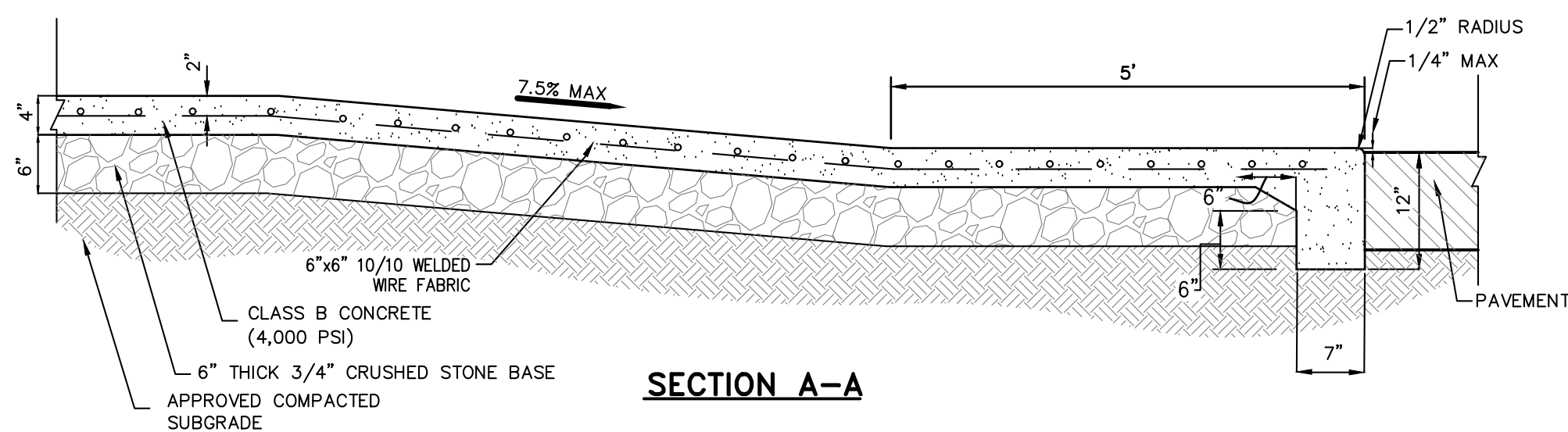
**NOTE:**  
FOR INFORMATION PERTAINING TO RAMPS, SEE "ACCESSIBLE CURB RAMP NOTES" ON THIS SHEET.

**NOTE:**  
FOR INFORMATION PERTAINING TO RAMPS, SEE "ACCESSIBLE CURB RAMP NOTES" ON DETAIL 5 ON THIS SHEET.

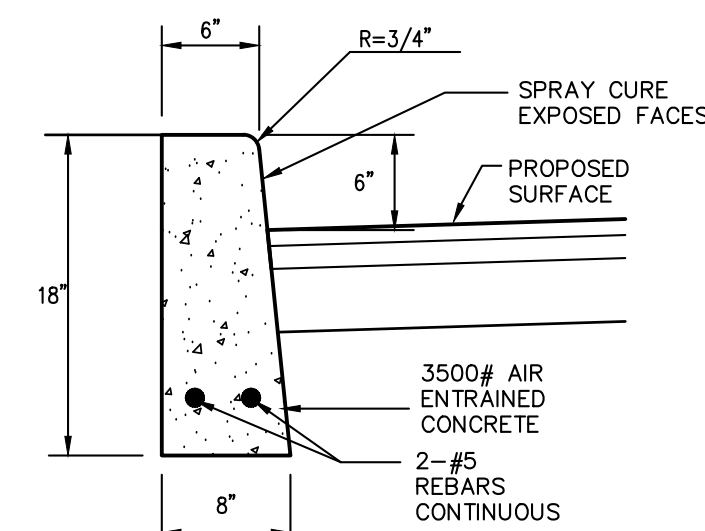


**ACCESSIBLE CURB RAMP & SIDEWALK NOTES:**

1. THE MAXIMUM ALLOWABLE SIDEWALK AND CURB RAMP CROSS SLOPES SHALL BE 1.5% (1 1/2% MAX.).
2. THE MAXIMUM ALLOWABLE SLOPE OF ACCESSIBLE ROUTE EXCLUDING CURB RAMPS SHALL BE 5%.
3. THE MAXIMUM ALLOWABLE SLOPE OF ACCESSIBLE ROUTE CURB RAMPS SHALL BE 7.5%.
4. A MINIMUM OF 3 FEET CLEAR SHALL BE MAINTAINED AT ANY PERMANENT OBSTACLE IN ACCESSIBLE ROUTE (I.E., HYDRANTS, UTILITY POLES, TREE WELLS, SIGNS, ETC.).
5. CURB TREATMENT VARIES; SEE PLANS FOR CURB TYPE.
6. BASE OF RAMP SHALL BE GRADED TO PREVENT PONDING.
7. WHERE ACCESSIBLE ROUTES ARE LESS THAN 5' IN WIDTH (EXCLUDING CURBING) A 5' x 5' PASSING AREA SHALL BE PROVIDED AT INTERVALS NOT TO EXCEED 200 FEET.
8. ELIMINATE ALL CURBING AT RAMP (OTHER THAN VERTICAL CURBING, WHICH SHALL BE SET FLUSH) WHERE IT ABUTS ROADWAY.
9. MINIMUM CROSS SLOPE SHALL BE 1/4" PER FOOT, UNLESS OTHERWISE INDICATED ON DRAWINGS.
10. PROVIDE 1/2" PREMOLDED BITUMINOUS EXPANSION JOINTS IN ACCORDANCE WITH ASTM D-1751 AT 20' INTERVALS UNLESS OTHERWISE DIRECTED.
11. PROVIDE CONTRACTION JOINTS BY SCORING SLOTS IN CONCRETE SLABS (RAMPS AND SIDEWALK) 1 INCH DEEP, EDGED WITH DOUBLE EDGER HELD AGAINST THE STRAIGHT EDGE. THE SCORED SLOTS SHALL BE PLACED EVERY 5 FEET IN THE TRAVERSE (ACROSS) SECTION OF THE CONCRETE UNLESS OTHERWISE DIRECTED.
12. REINFORCING SHALL NOT EXTEND THROUGH EXPANSION JOINTS.
13. SIDEWALK SHALL HAVE LIGHT BROOM FINISH.

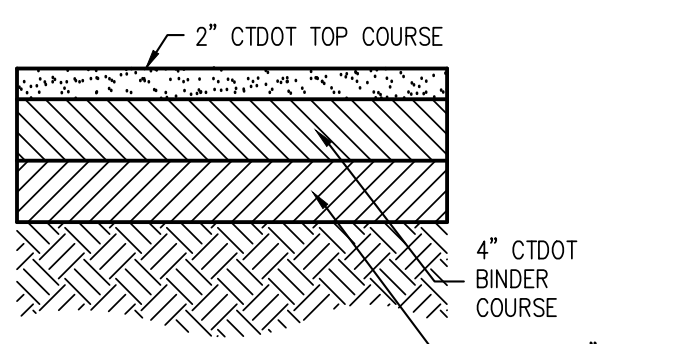


**1 DROP CURB AND RAMPS**  
NOT TO SCALE

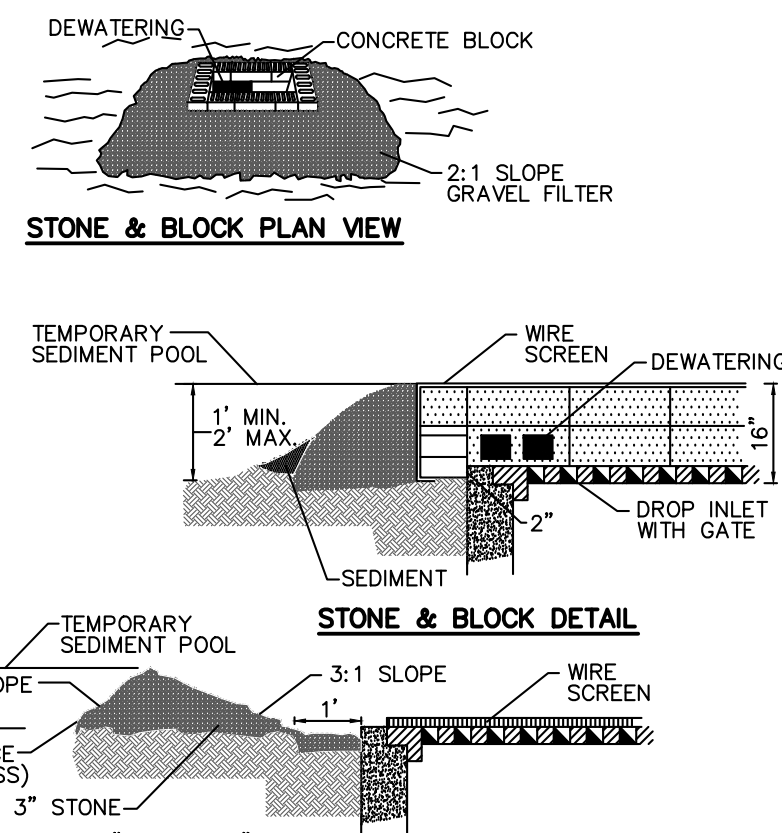


**NOTE:**  
EXPANSION JOINTS TO BE INSTALLED EVERY 10 FEET.

**2 CONCRETE CURB**  
NOT TO SCALE



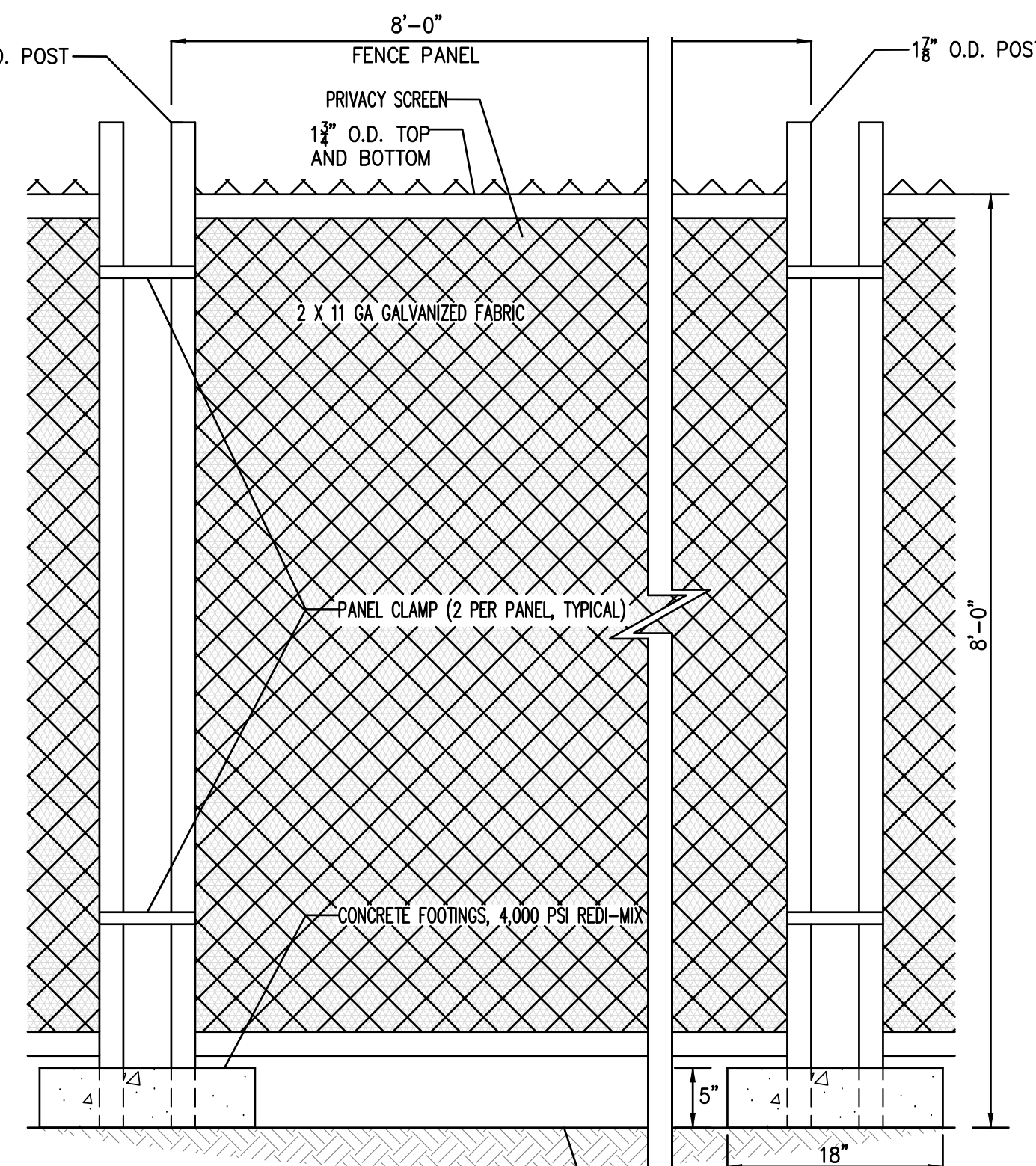
**3 SITE PAVEMENT SECTION**  
NOT TO SCALE



**CONSTRUCTION SPECIFICATION**

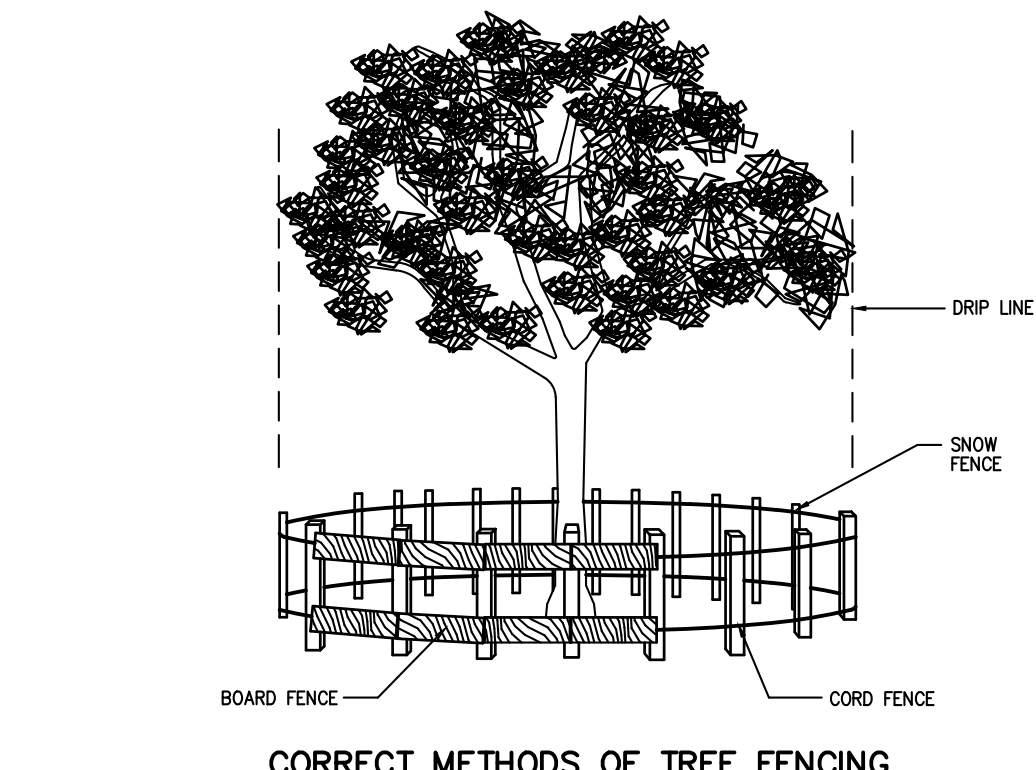
1. LAY ONE BLOCK ON EACH SIDE OF THE STRUCTURE ON ITS SIDE FOR DEWATERING. FOUNDATION SHALL BE 2 INCHES MINIMUM BELOW REST OF INLET AND BLOCKS SHALL BE PLACED AGAINST INLET FOR SUPPORT.
2. HARDWARECLOTH OR 1/2" WIRE MESH SHALL BE PLACED OVER BLOCK OPENINGS TO SUPPORT STONE.
3. USE CLEAN STONE OR GRAVEL 1/2-3/4 INCH IN DIAMETER PLACED 2 INCHES BELOW TOP OF BLOCK ON A 2-1 SLOPE OR FLATTER.
4. FOR STONE STRUCTURES ONLY, A 1 FOOT THICK LAYER OF THE FILTER STONE WILL BE PLACED AGAINST THE 3 INCH STONE AS SHOWN ON THE DRAWINGS. MAXIMUM DRAINAGE AREA 1 ACRE.

**5 STONE & BLOCK DROP INLET PROTECTION**  
NOT TO SCALE



- NOTES:**
1. CONTRACTOR SHALL PROVIDE PERIODIC INSPECTION AND MAINTENANCE OF FENCE INCLUDING REPAIRS AS NECESSARY AND REQUIRED.
  2. CONTRACTOR SHALL INSTALL GREEN PRIVACY SCREENING FABRIC OR APPROVED EQUAL AROUND THE PERIMETER OF THE TEMPORARY CONSTRUCTION FENCING.
  3. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND SAMPLES OF THE PRIVACY SCREENING TO THE ENGINEER FOR REVIEW AND APPROVAL.

**4 TEMPORARY CHAIN LINK CONSTRUCTION FENCE**  
NOT TO SCALE

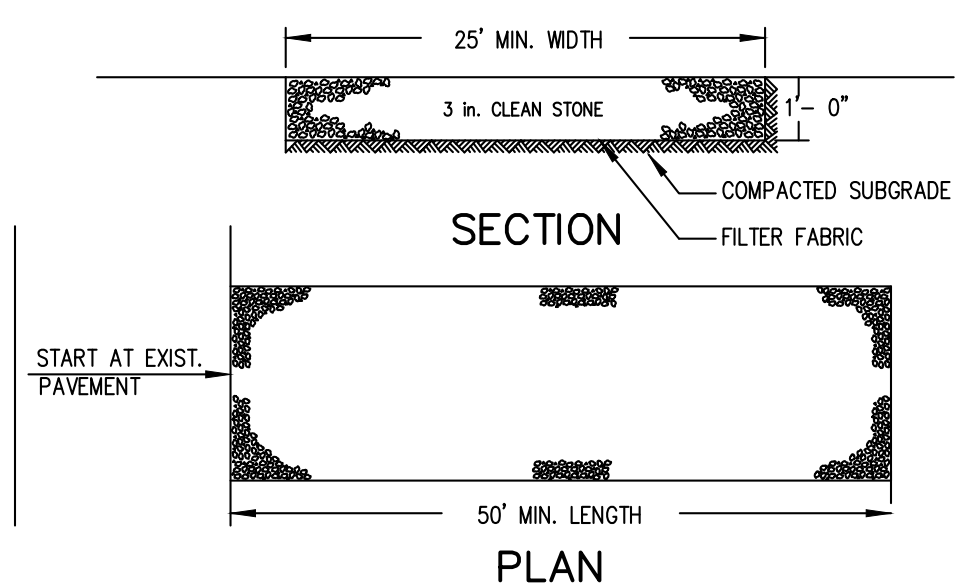


**CORRECT METHODS OF TREE FENCING**



**6 TREE FENCING & ARMORING**  
NOT TO SCALE

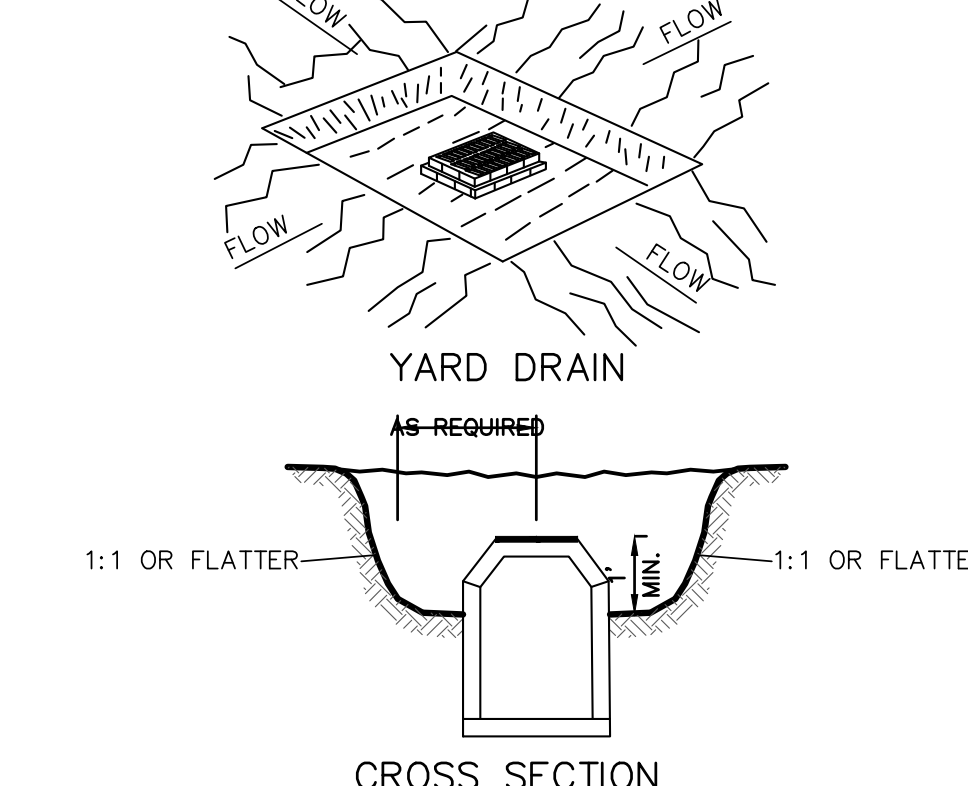
**7 STABILIZED CONSTRUCTION ENTRANCE**  
NOT TO SCALE



- INSTALLATION NOTES:**
1. STONE SIZE - USE 3" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
  2. LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
  3. THICKNESS - NOT LESS THAN SIX (6) INCHES.
  4. WIDTH - 25 FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCUR.
  5. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. FILTER CLOTH WILL NOT BE REQUIRED ON A SINGLE FAMILY RESIDENCE LOT. A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
  6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
  7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT OF WAY THIS MAY REQUIRE PERIODIC CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT OF WAY MUST BE REMOVED IMMEDIATELY.
  8. WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT OF WAY WHEN WASHING IS REQUIRED. IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
  9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

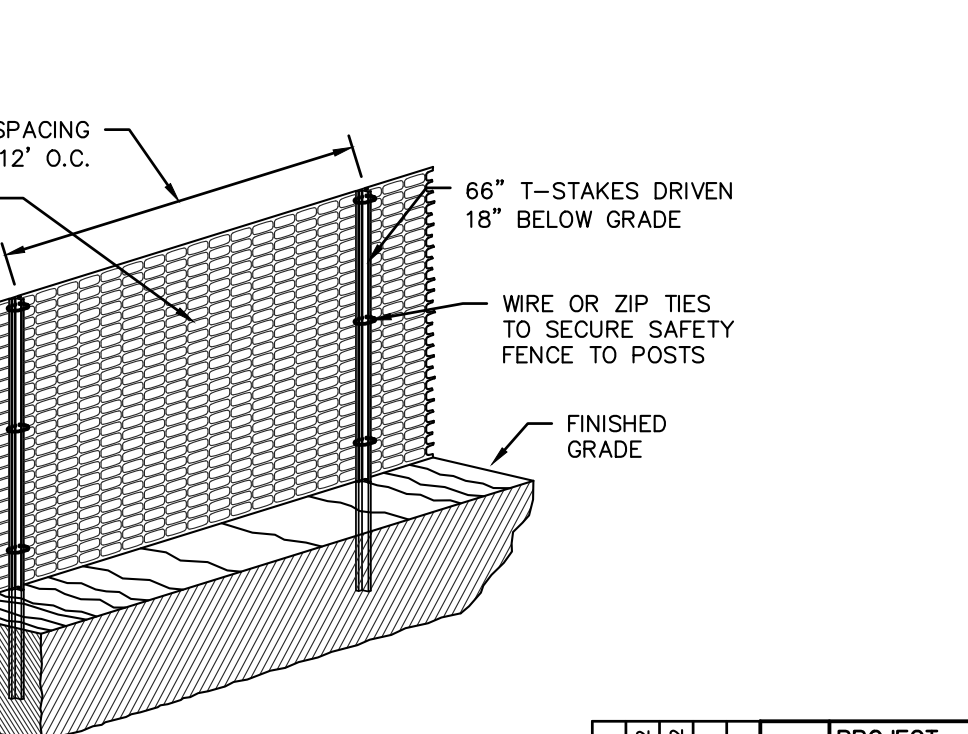
**8 CATCH BASIN SEDIMENT TRAP**  
NOT TO SCALE

**9 SILT FENCE**  
NOT TO SCALE

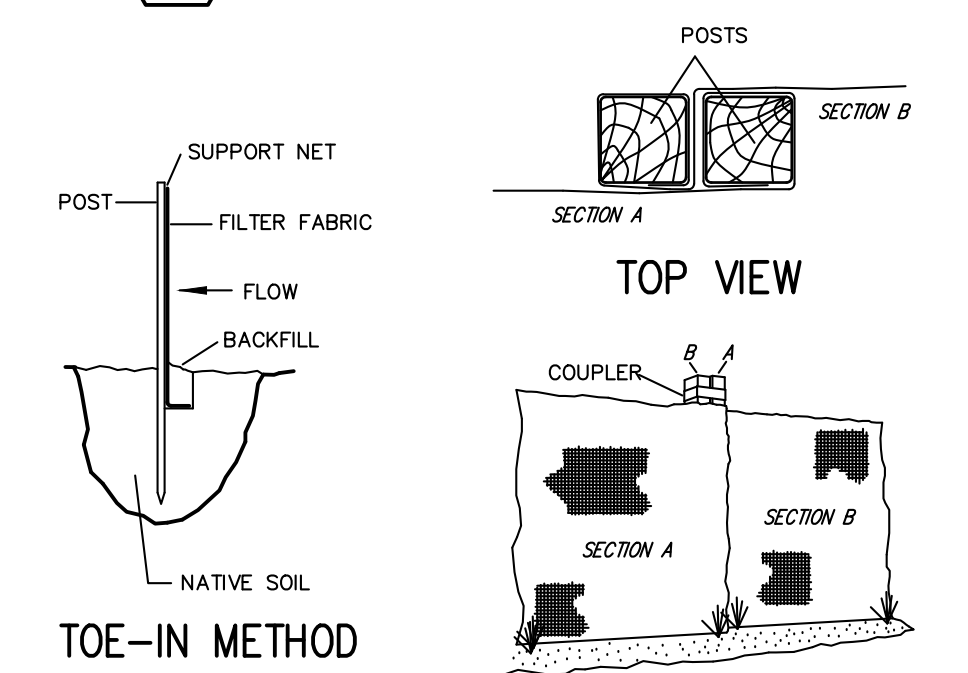


- CONSTRUCTION SPECIFICATIONS:**
1. SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN DEPTH OF THE TRAP. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND STABILIZED.
  2. THE VOLUME OF SEDIMENT STORAGE SHALL BE 3600 CUBIC FEET PER ACRE OF CONTRIBUTORY DRAINAGE.
  3. THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NEEDED.
  4. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND SEDIMENT ARE CONTROLLED.
  5. THE SEDIMENT TRAP SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE CONSTRUCTED DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.
  6. ALL CUT SLOPES SHALL BE 1:1 OR FLATTER. MAXIMUM DRAINAGE AREA = 3-ACRES.

**10 SOIL STOCKPILE**  
NOT TO SCALE



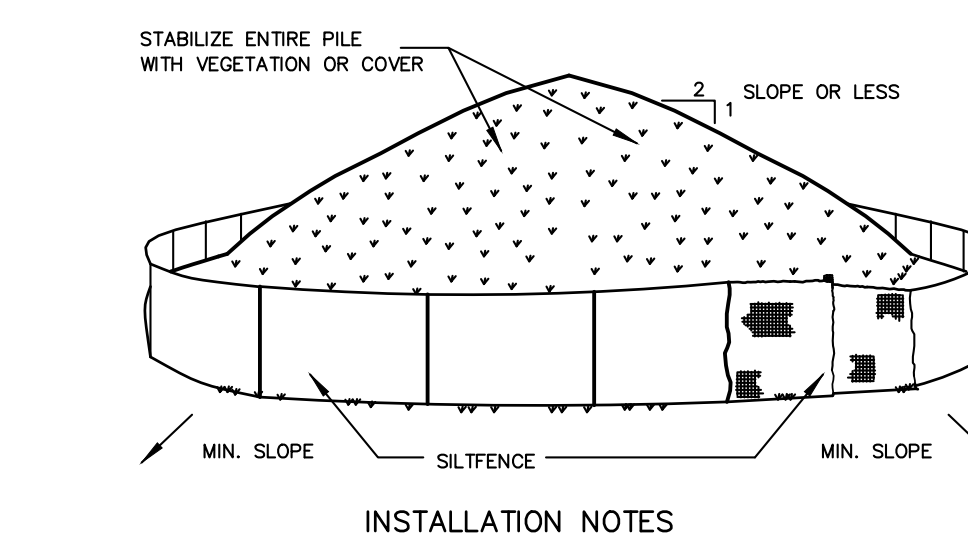
**11 ORANGE SAFETY CONSTRUCTION FENCE**  
NOT TO SCALE



**INSTALLATION NOTES:**

1. EXCAVATE A 4 INCH x 4 INCH TRENCH ALONG THE LOWER PERIMETER OF THE SITE.
2. UNROLL A SECTION AT A TIME AND POSITION THE POSTS AGAINST THE BACK (DOWNSTREAM) WALL OF THE TRENCH (NET SIDE AWAY FROM DIRECTION OF FLOW).
3. DRIVE THE POST INTO THE GROUND UNTIL THE NETTING IS APPROXIMATELY 2 INCHES FROM THE TRENCH BOTTOM.
4. LAY THE TOE-IN FLAP OF FABRIC ONTO THE UNDISTURBED BOTTOM OF THE TRENCH. BACKFILL THE TRENCH AND TAMP THE SOIL. STEEPER SLOPES REQUIRE AN INTERCEPT TRENCH.
5. JOIN SECTIONS AS SHOWN ABOVE.

**9 SILT FENCE**  
NOT TO SCALE



**INSTALLATION NOTES:**

1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. SOILS OR FILL TO BE STOCKPILED ON SITE DURING CUTTING AND FILLING ACTIVITIES SHOULD BE LOCATED ON LEVEL PORTIONS OF THE SITE WITH A MINIMUM OF 50-75 FOOT SETBACKS FROM TEMPORARY DRAINAGE SWALES.
3. MAXIMUM SLOPE OF STOCKPILE SHALL BE 1:2.
4. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH EITHER SILT FENCING OR STRAWBALES, THEN STABILIZED WITH VEGETATION OR COVERED.
5. STOCKPILES REMAINING IN PLACE FOR MORE THAN A WEEK SHOULD BE SEEDED AND MULCHED OR COVERED WITH GEOTEXTILE FABRIC SURROUNDED BY SILT FENCE.
6. SEE SPECIFICATIONS (THIS MANUAL) FOR INSTALLATION OF SILT FENCE.

**10 SOIL STOCKPILE**  
NOT TO SCALE

DATE FOR SUBMISSION TO TOWN	2/9/23	NO.	1
REVISIONS			
REVISION FOR TOWN COMMENTS	1/17/22	NO.	2
REVISION FOR TOWN COMMENTS	1/17/22	NO.	3
REVISION FOR TOWN COMMENTS	1/17/22	NO.	4
REVISION FOR TOWN COMMENTS	1/17/22	NO.	5
REVISION FOR TOWN COMMENTS	1/17/22	NO.	6

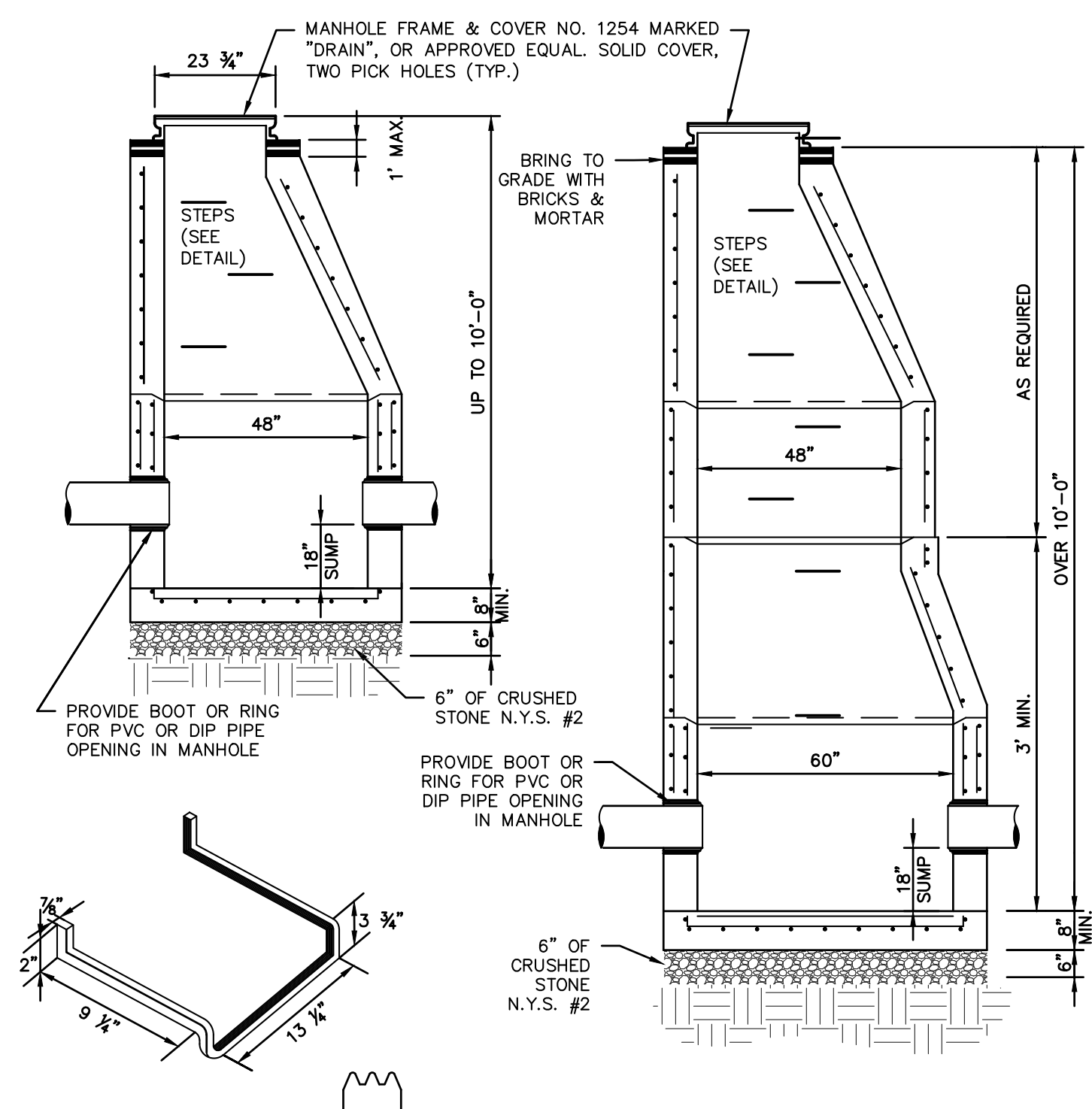
PROJECT: WILTON MEETINGHOUSE  
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS  
241 DANBURY ROAD  
TOWN OF WILTON  
FAIRFIELD COUNTY - CONNECTICUT

DATE: 8/19/22  
SCALE: N.T.S.  
DESIGNED BY: D.C.  
CHECKED BY: M.S.  
SHEET NO. 3

HEC ENGINEERING CONSULTING, P.C.  
45 KNOWLEDGE ROAD - SUITE 201  
ELMSTOCK, NEW YORK 10523  
T: 914-909-0420  
F: 914-560-2086

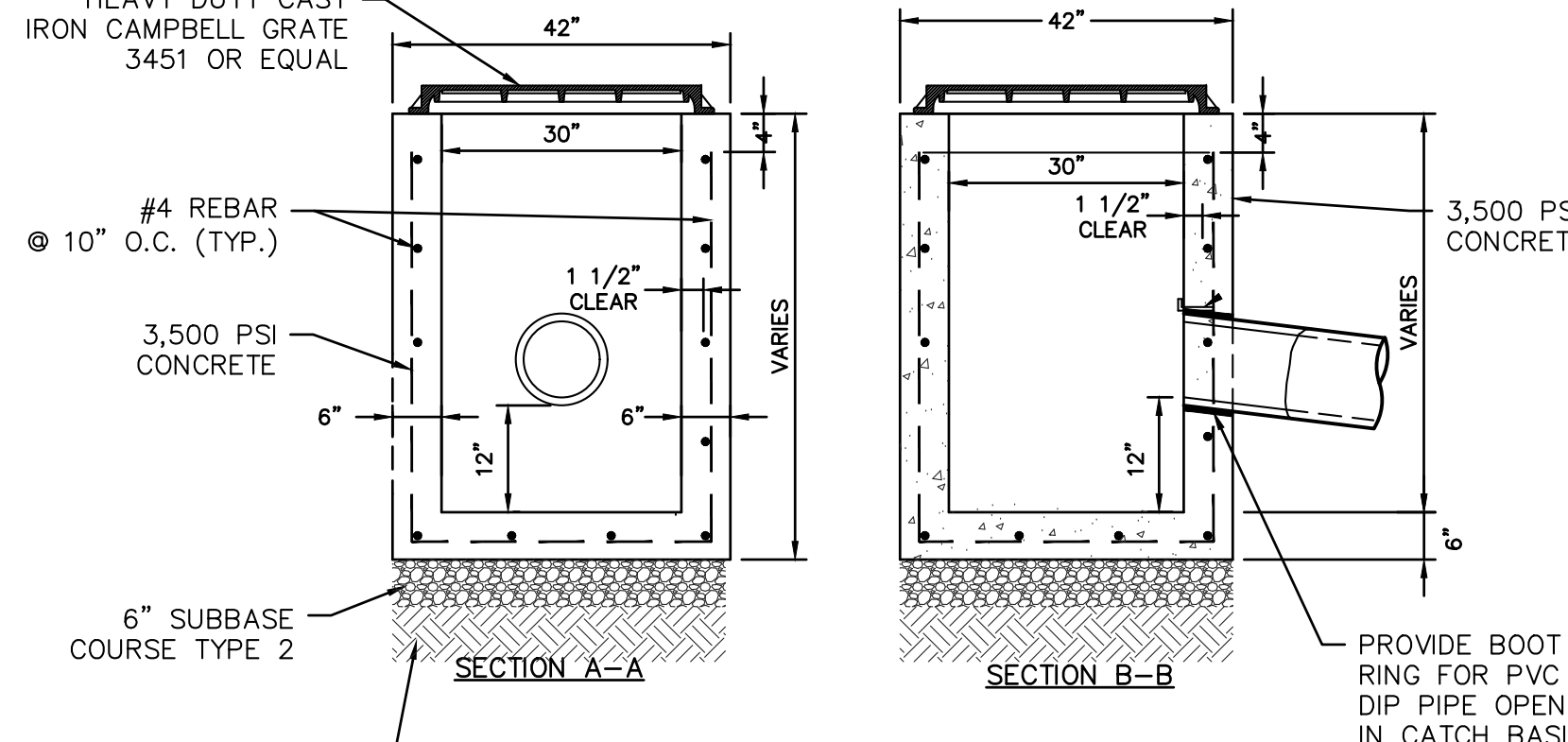
STATE OF CONNECTICUT  
REGISTERED PROFESSIONAL ENGINEER  
M.S. 10523

**C-3**

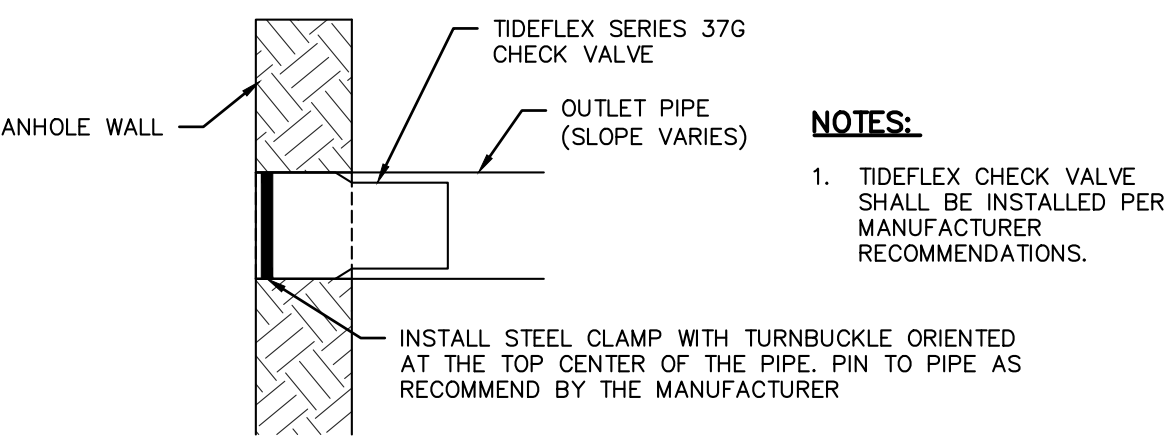


**1 PRECAST CONCRETE DRAIN MANHOLE**  
NOT TO SCALE

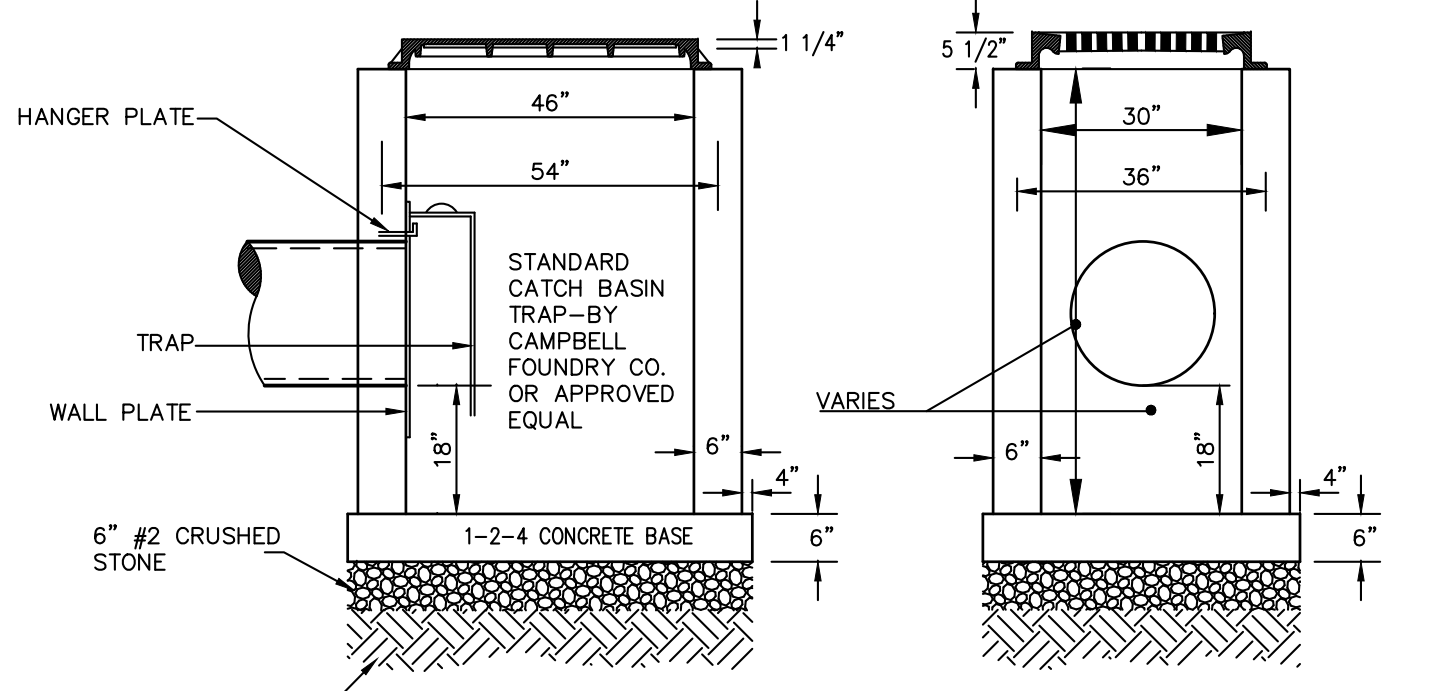
**STEP DETAIL**  
STEPS SHALL BE PLACED APPROXIMATELY 12" ON CENTER FOR THE FULL DEPTH OF THE MANHOLE. NO STEPS WILL BE REQUIRED IN MANHOLES LESS THAN 4' DEEP.



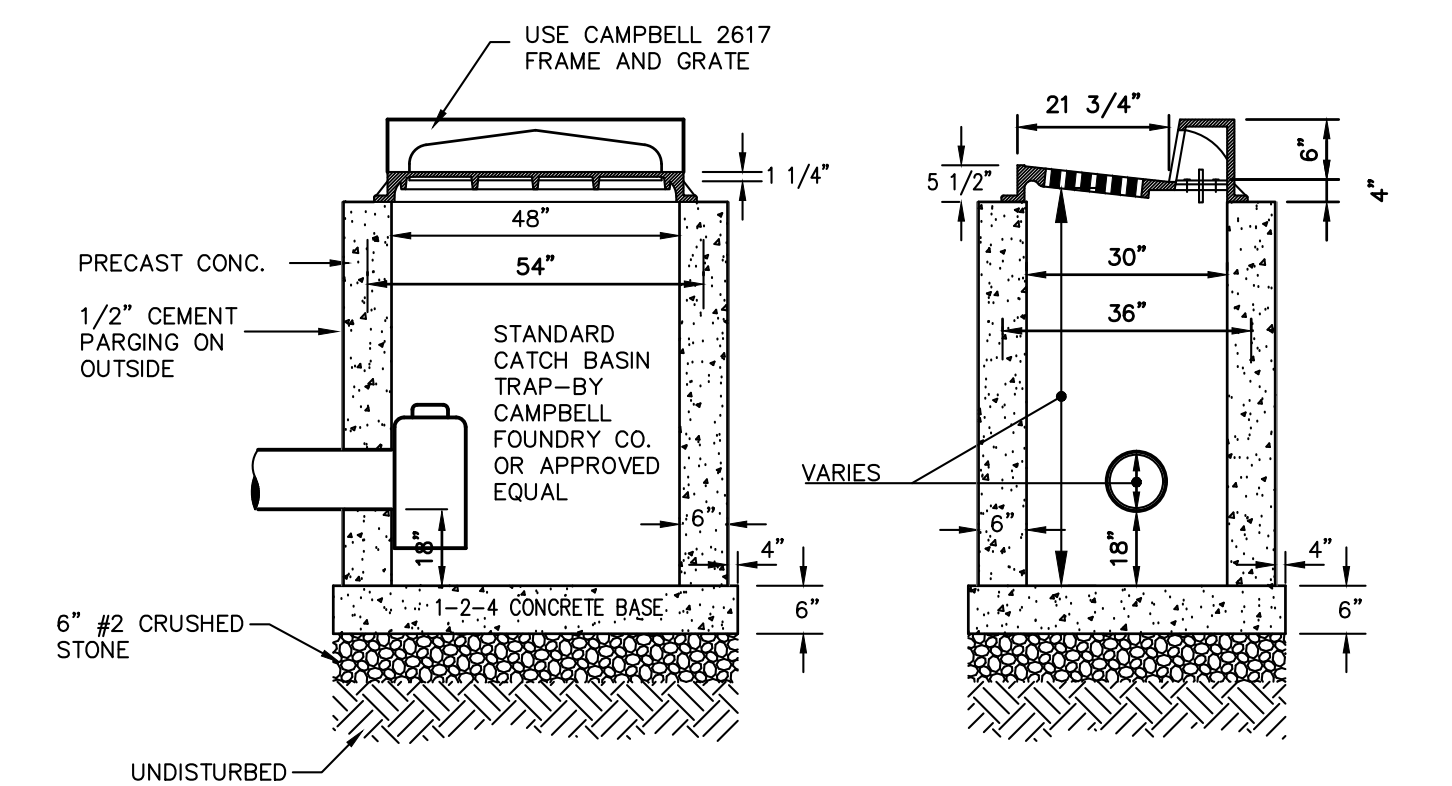
**4 30"x30" PRECAST DRAIN INLET**  
NOT TO SCALE



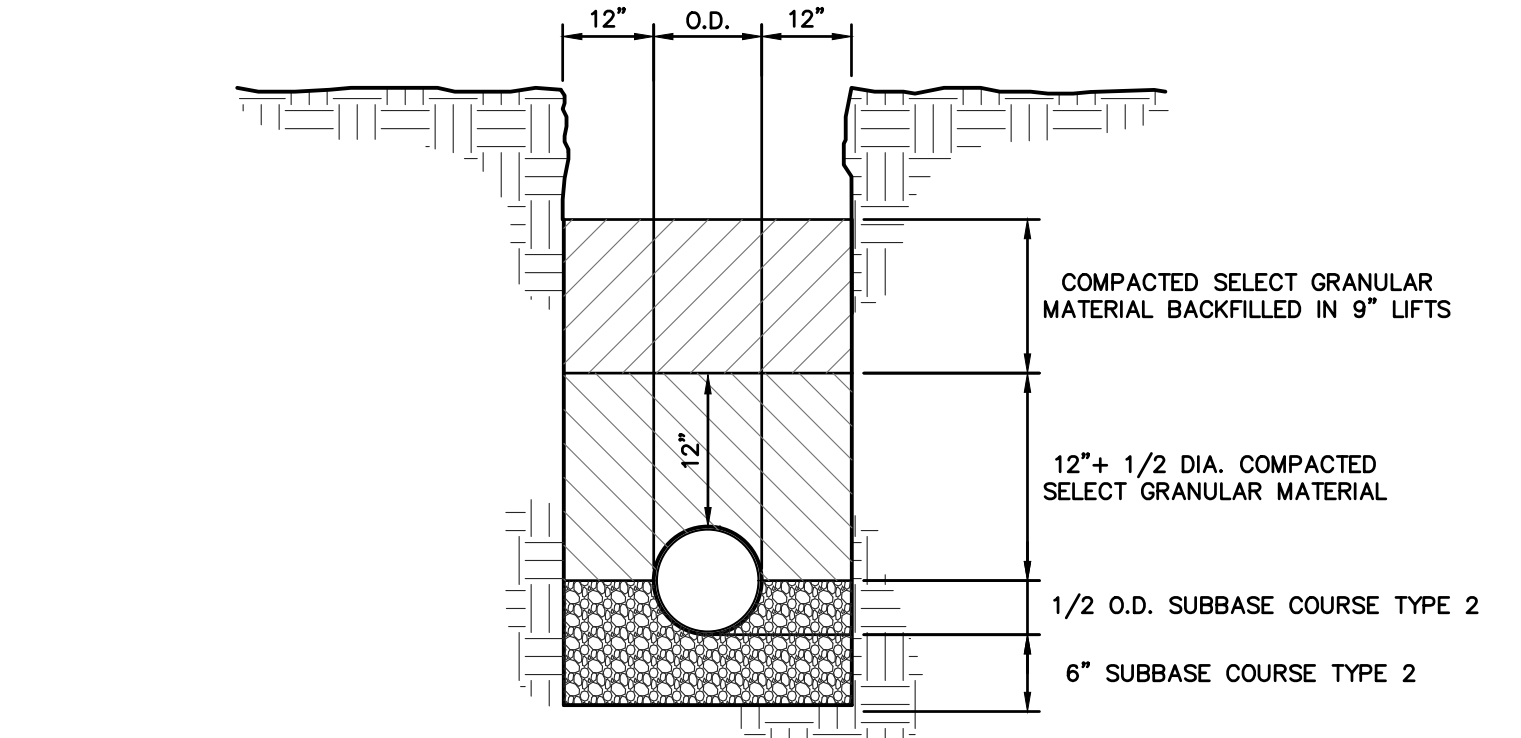
**5 TIDEFLEX CHECK VALVE OUTLET**  
NOT TO SCALE



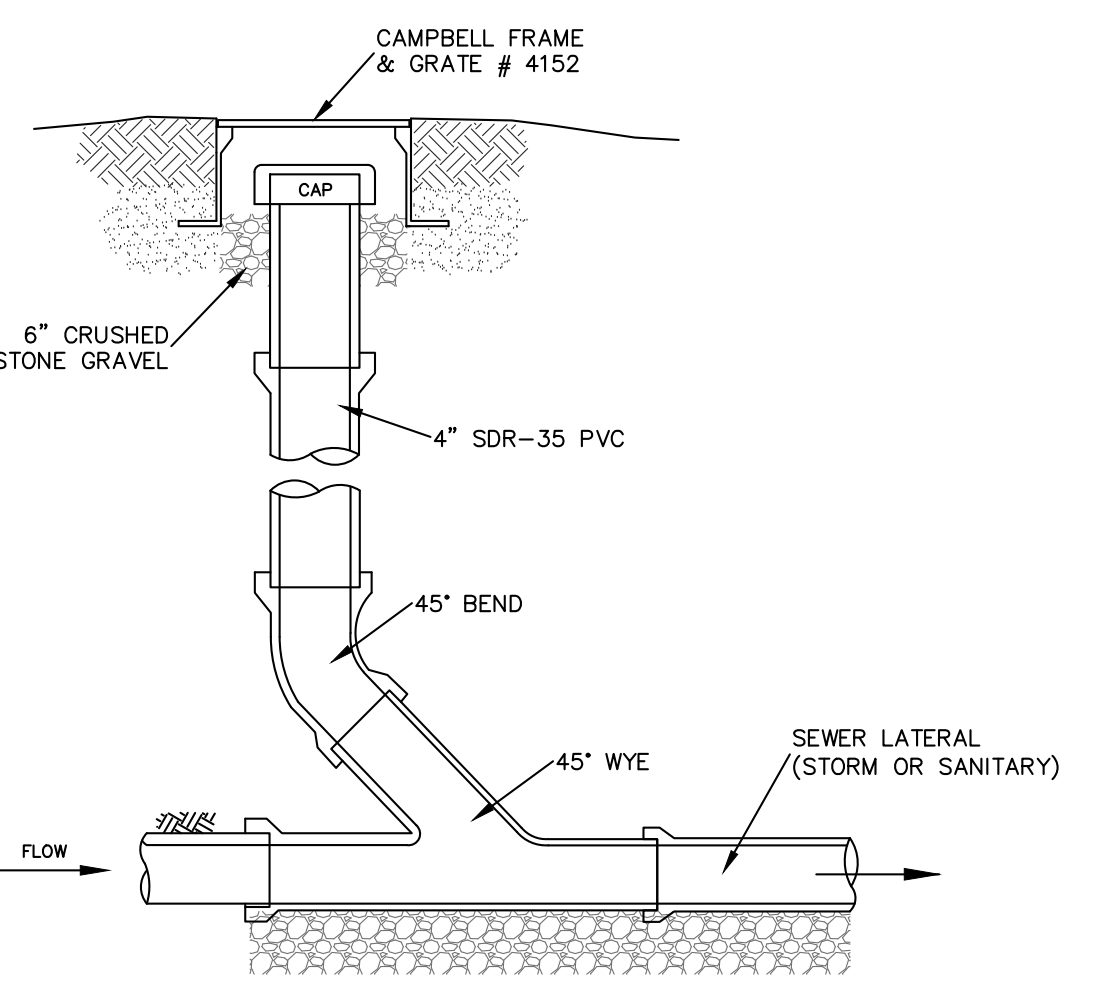
**2 PRECAST DRAIN INLET**  
NOT TO SCALE



**3 PRECAST CURB INLET**  
NOT TO SCALE

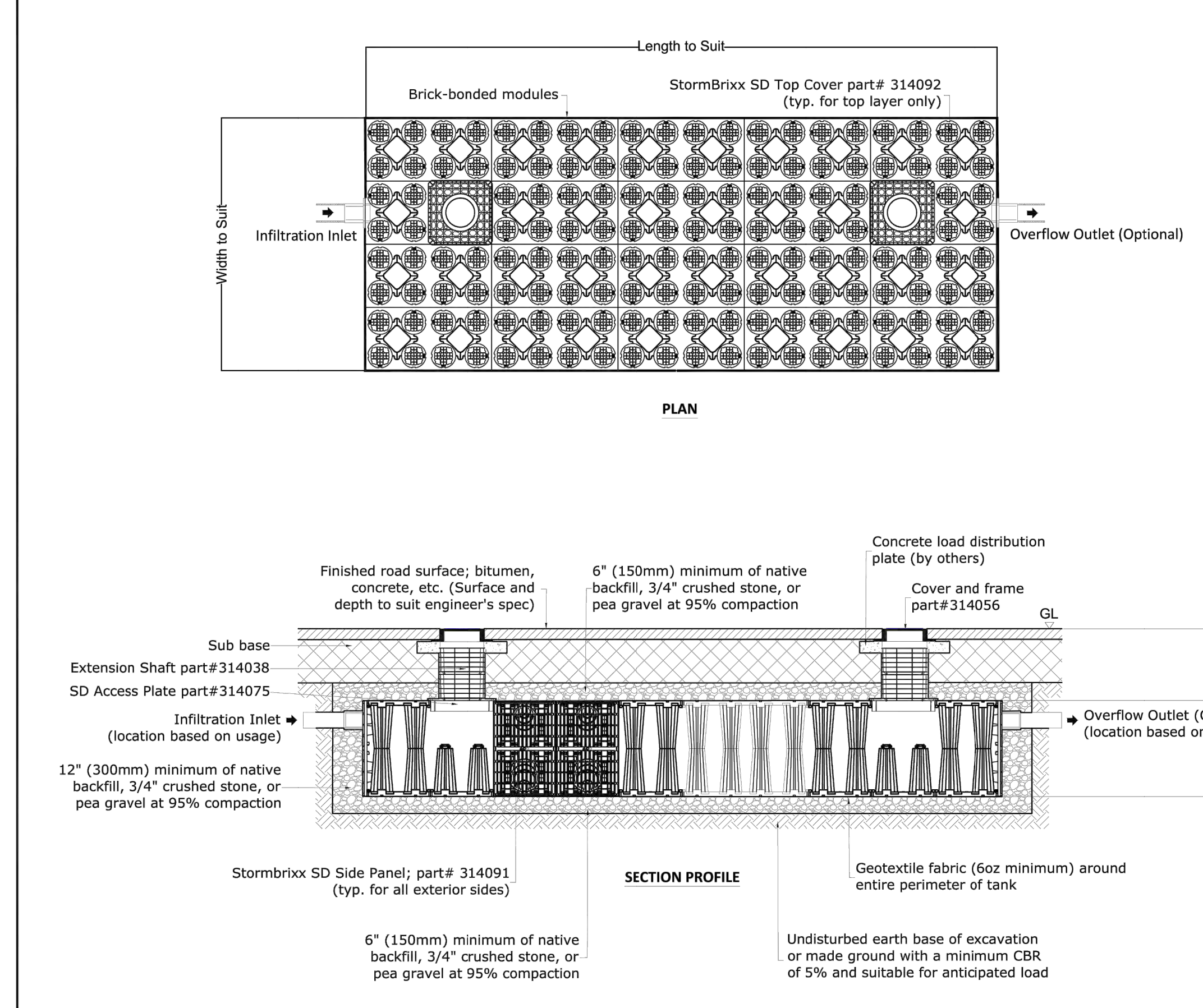


**6 TRENCH BEDDING**  
NOT TO SCALE



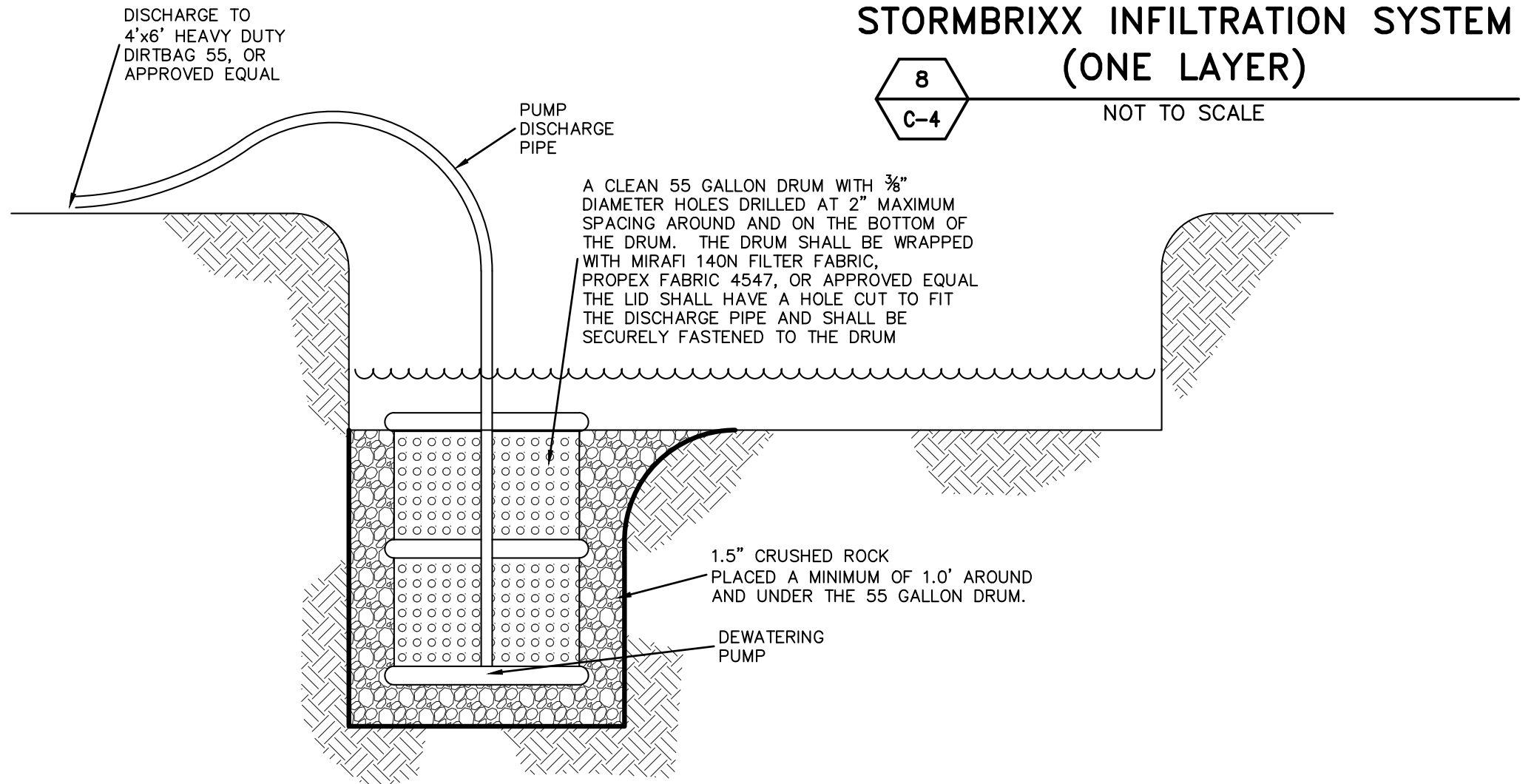
**7 SEWER CLEANOUT DETAIL (GRAVITY)**  
NOT TO SCALE

**NOTES (STORM SEWER):**  
1. REFER TO PLAN FOR SPECIFIC PIPE SIZING AND SLOPE SPECIFICATIONS; HOWEVER, IN GENERAL, ALL STORM SEWER SERVICES TO BE 6" SDR-35 @ 1.0% MINIMUM.  
2. CLEANOUTS SHALL BE PLACED BEFORE SIGNIFICANT PIPE BEND LOCATIONS (I.E., JUNCTIONS, 90-DEGREE BENDS, ETC.) UNLESS A ROOF LEADER DOWNSPOUT CONNECTION IS PROPOSED.

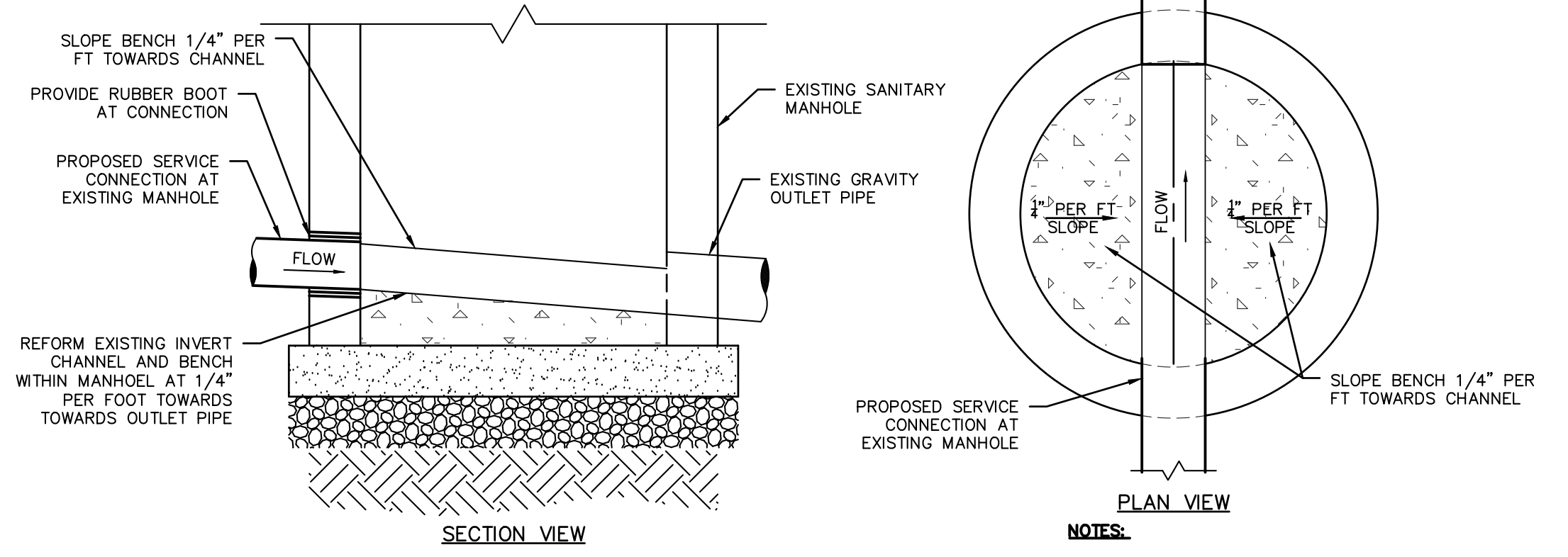


**8 INFILTRATION - STORMBRIXX SD ONE LAYER WITH ACCESS PLATES**  
INSTALLATION DRAWING - ACO STORMBRIXX SD

**ACCO**  
DATE: 07/31/2019  
ISSUE: D  
Arizona Tel: 888-490-9552  
e-mail: info@acousa.com  
Ohio Tel: 800-543-4764  
www.ACOSTORMBRIXX.US  
South Carolina Tel: 800-543-4764



**9 TYPICAL DEWATERING SUMP**  
NOT TO SCALE



**11 SERVICE CONNECTION TO EXISTING MANHOLE**  
NOT TO SCALE

**NOTES:**  
1. ALL PROPOSED CONNECTIONS TO BE CORE DRILLED.  
2. INSTALL NEW RUBBER BOOT AT CONNECTION TO STRUCTURE.

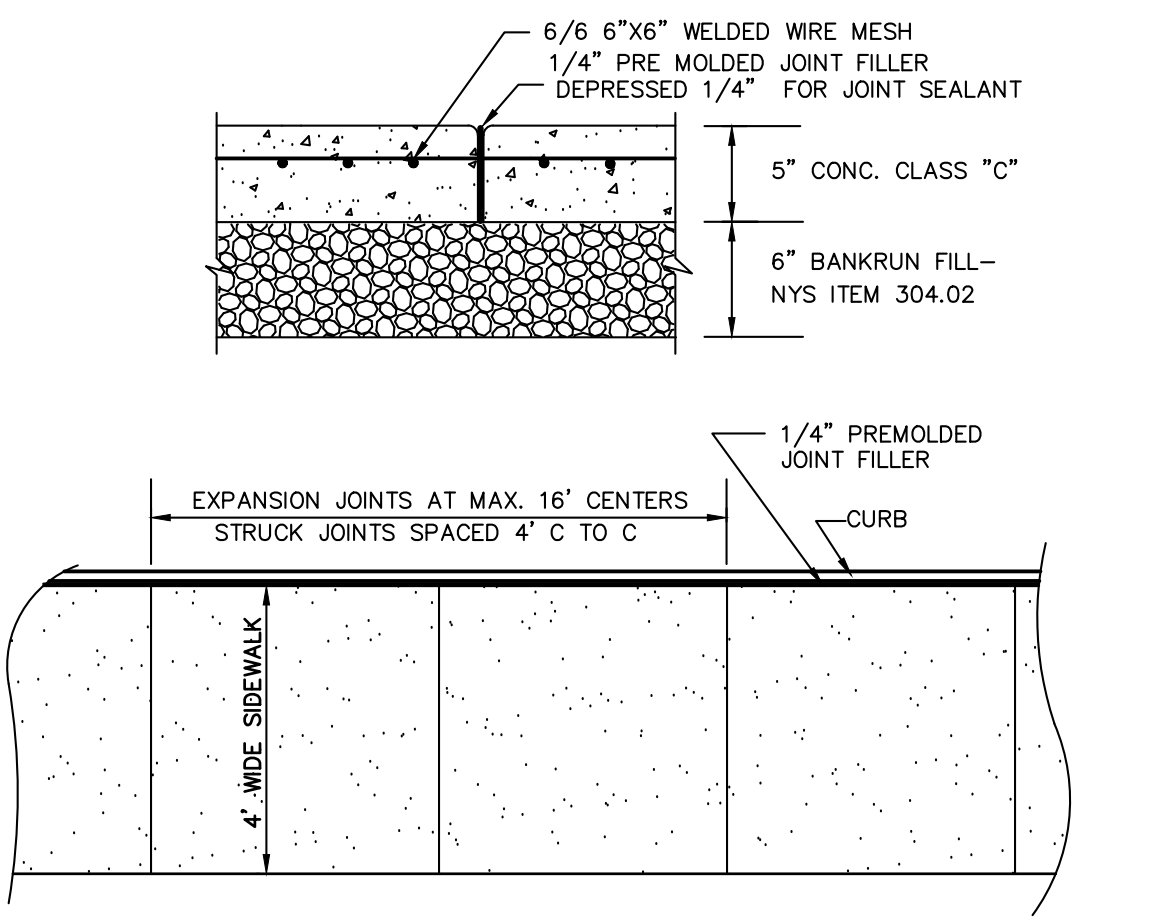
Installation depths of ACO StormBrixx SD	
Installation Location	Minimum cover depth <sup>(1)</sup> ft (m)
Non-trafficked areas i.e. landscaping <sup>(2)</sup>	1.65 (0.5)
Parking lots, vehicles up to 5,512lbs gross mass <sup>(1)</sup>	1.8 (0.55)
Parking lots, occasional vehicles greater than 5,512lbs gross mass <sup>(3)</sup>	2.0 (0.6)
Occasional heavy truck traffic up to HS-20 loading	Please consult with ACO
Maximum cover depth of ACO StormBrixx SD	6.5 (2)
Maximum depth to invert of ACO StormBrixx SD one layer system	9.56 (2.9)

**Notes**  
(1) Assumes 27 degree load distribution through fill material and overlying surface asphalt or block paving  
(2) Minimum cover depth to avoid accidental damage from gardening/landscaping work  
(3) Occasional sanitation trucks or similar vehicles (typically one per week)  
(4) Please check minimum frost cover depths and water table heights for geographical location

**ACO StormBrixx SD Module**  
48"x24"x36" [1200x602.5x914mm (H)]  
22.5cuft net volume per completed module  
Brick or Cross Bonded (where applicable)  
part# 314090

**\*All systems must be designed and installed to meet or exceed ACO StormBrixx minimum requirements. Although ACO StormBrixx offers support during the design, review, and construction phases of the module system, it is the ultimate responsibility of the Engineer of Record to design the system in full compliance with all applicable engineering practices, laws, and regulations.**

**ACO, Inc.**  
825 W. Beechcraft St. Casa Grande, AZ 85122  
Tel: 520-421-9898 Fax: 520-421-9899  
9470 Pinecone Drive Mentor, OH 44060  
Tel: 440-639-7230 Fax: 440-639-7235  
4211 Pleasant Rd. Fort Mill, SC 29708  
Tel: 440-639-7230 Fax: 803-802-1063



**10 CONCRETE SIDEWALK**  
NOT TO SCALE

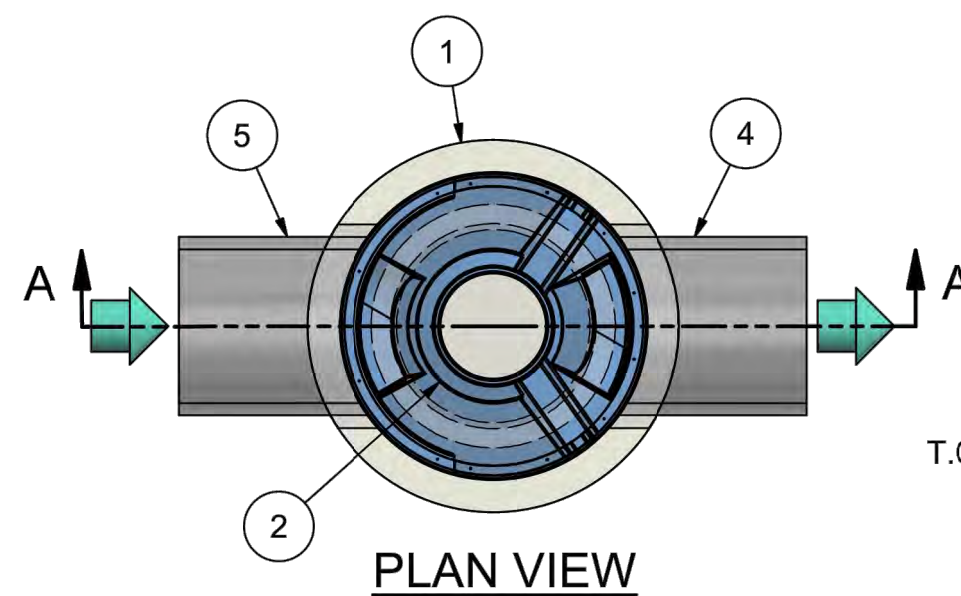
**NOTE:**  
ALL JOINTS TO BE FLUSH  
PROVIDE 1/4" PREMOLDED JOINT FILLER AT DRAINAGE STRUCTURES

REV.	DATE	DESCRIPTION
1	7/19/23	REVISED PER TOWN COMMENTS
2	7/19/23	REVISED FOR SUBMISSION TO TOWN
3	7/19/23	REVISED PER TOWN COMMENTS
4	7/19/23	REVISED FOR IMPROVED OVERLAP/JOINT SERVICE CONNECTIONS

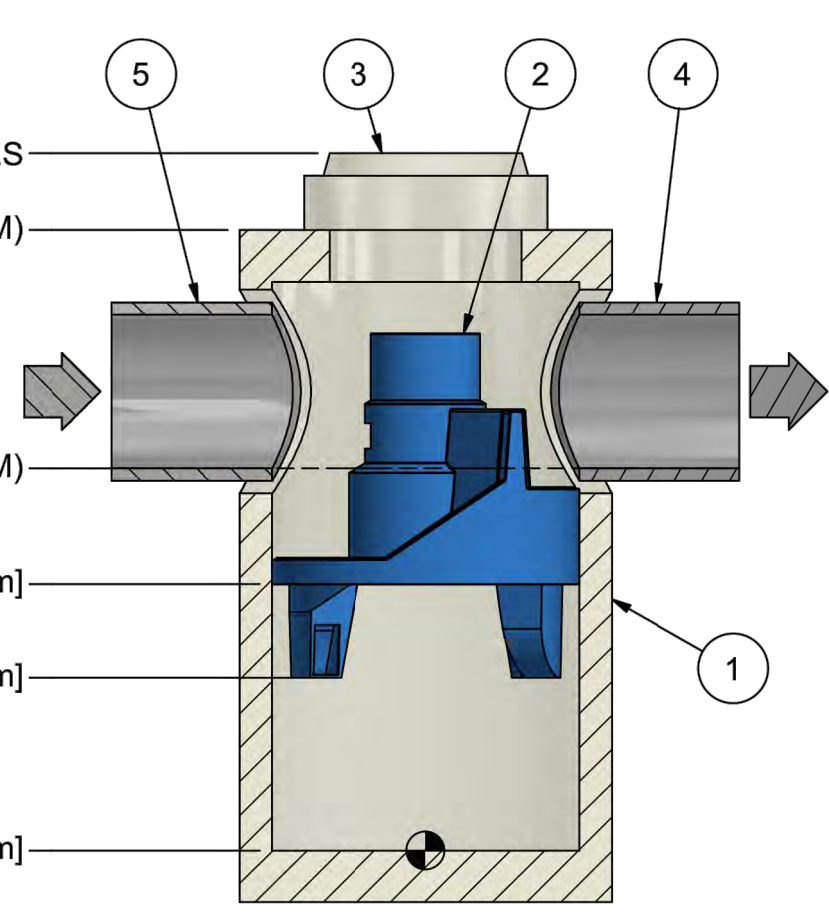
**PROJECT:** WILTON MEETINGHOUSE  
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS  
241 DANBURY ROAD  
TOWN OF WILTON  
FAIRFIELD COUNTY - CONNECTICUT

**HEC HUDSON ENGINEERING CONSULTING, P.C.**  
45 Knollwood Road - Suite 201  
Elmsford, New York 10523  
Tel: 914-909-0420 Fax: 914-560-2086

**DATE:** 8/19/22  
**SCALE:** N.T.S.  
**DESIGNED BY:** D.C.  
**CHECKED BY:** M.S.  
**SHEET NO.:** 4  
**C-4**



T.O.S ELEV.: 8.07 ft [2.460 m] (MINIMUM)  
 NOTE: ADDITIONAL HEIGHT MAY BE REQUIRED DEPENDING ON PIPE SIZE  
 PIPE ELEV.: 4.97 ft [1.515 m] (MINIMUM)  
 PREASSEMBLY REFERENCE: 3.47 ft [1.057 m]  
 BOTTOM OF INTERNALS: 2.25 ft [.685 m]  
 SUMP ELEV.: .00 ft [.000 m]



1. MANHOLE WALL AND SLAB THICKNESSES ARE NOT TO SCALE.
2. CONTACT HYDRO INTERNATIONAL FOR A BOTTOM OF STRUCTURE ELEVATION PRIOR TO SETTING FIRST DEFENSE MANHOLE.
3. CONTRACTOR TO CONFIRM RIM, PIPE INVERTS, PIPE DIA. AND PIPE ORIENTATION PRIOR TO RELEASE OF UNIT TO FABRICATION.

**PROJECTION**

**IF IN DOUBT ASK**

DATE: 11/2/2021 SCALE: 1:30  
 DRAWN BY: ER CHECKED BY: MRJ APPROVED BY: [Signature]  
 Title: 4-ft DIAMETER FIRST DEFENSE  
 GENERAL ARRANGEMENT

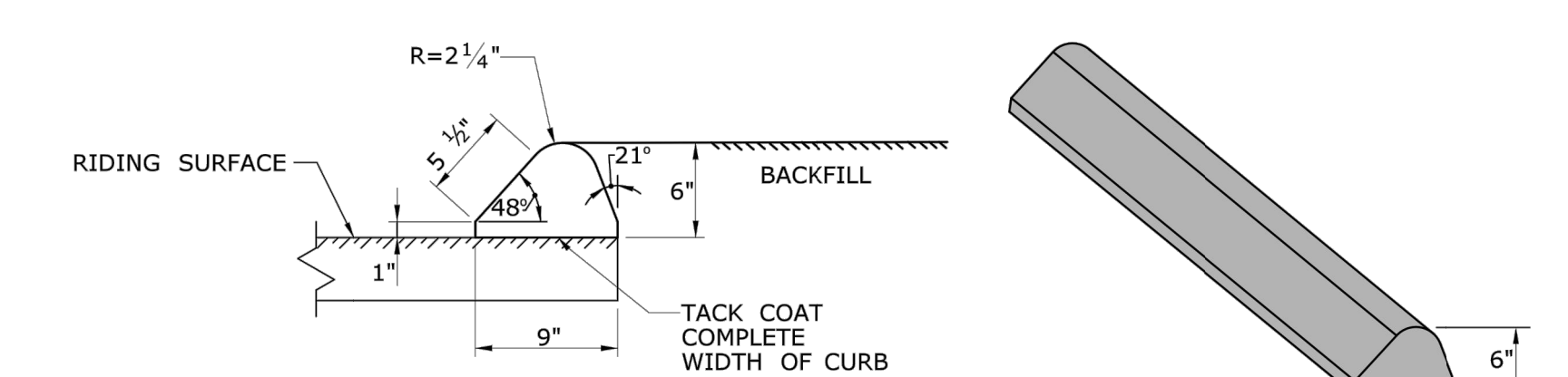
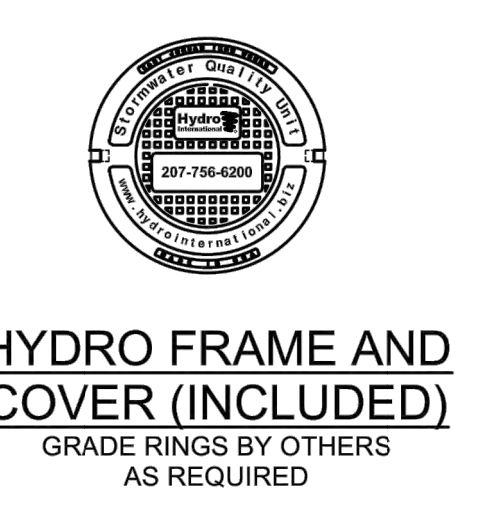
**Hydro International**  
 hydro-int.com  
 HYDRO INTERNATIONAL

WEIGHT: MATERIAL:  
 STOCK NUMBER:  
 DRAWING NO.: FD GA-4  
 SHEET SIZE: B SHEET: 1 OF 1 Rev: -

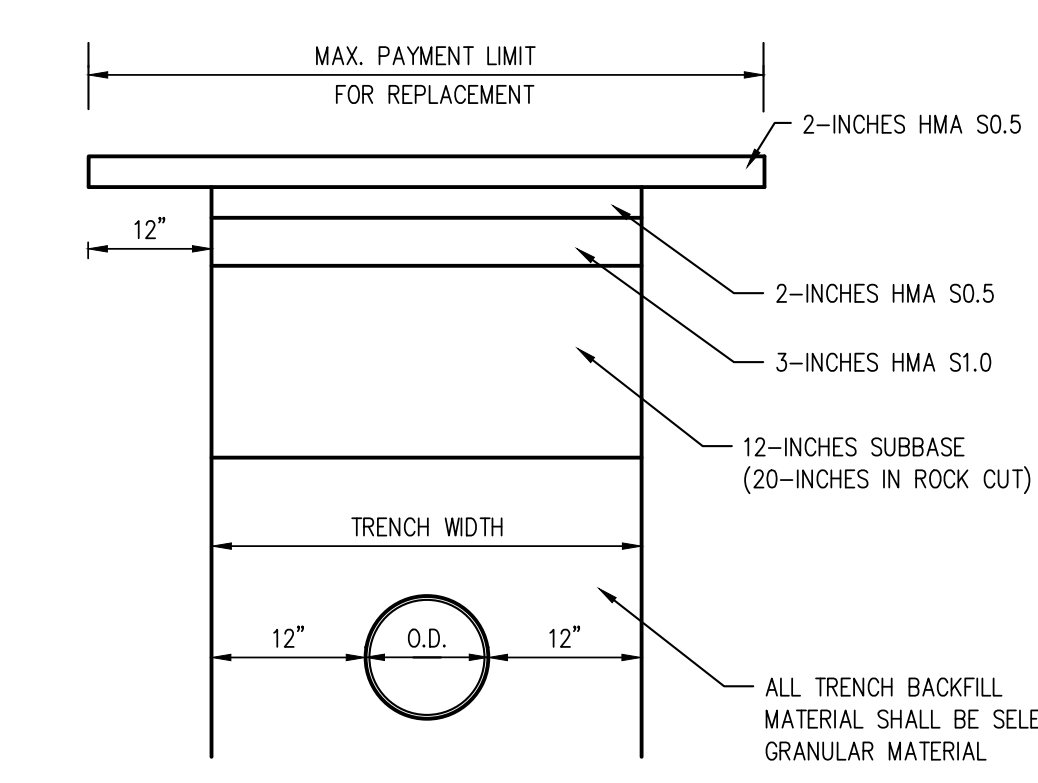
**PARTS LIST**

ITEM	QTY	SIZE (in)	SIZE (mm)	DESCRIPTION
1	1	48	1200	I.D. PRECAST MANHOLE
2	1			INTERNAL COMPONENTS (PRE-INSTALLED)
3	1	30	750	FRAME AND COVER (ROUND)
4	1	24 (MAX)	600 (MAX)	OUTLET PIPE (BY OTHERS)
5	1	24 (MAX)	600 (MAX)	INLET PIPE (BY OTHERS)

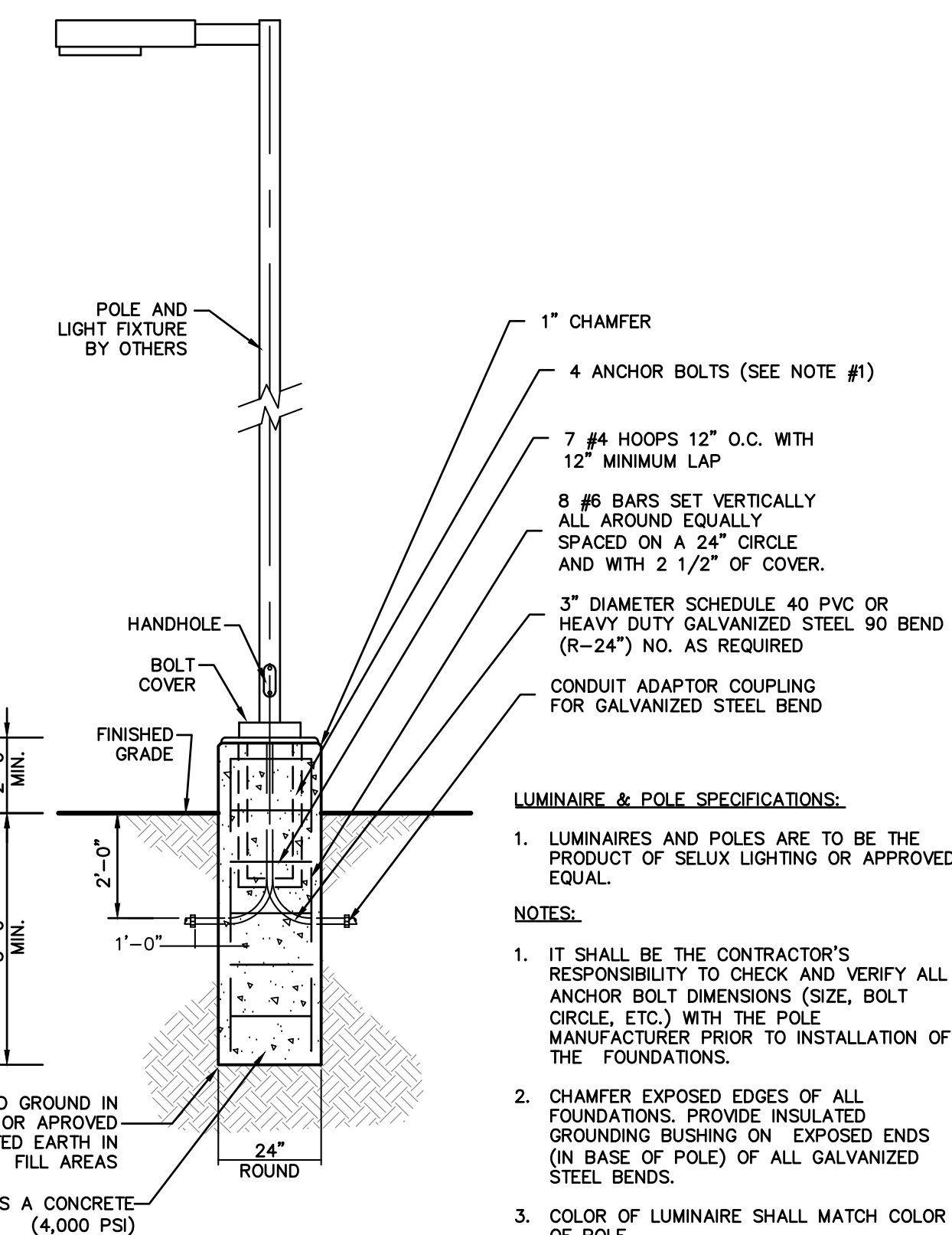
- PRODUCT SPECIFICATION:**
1. Peak Hydraulic Flow: 18.0 cfs (510 l/s)
  2. Min Sediment Storage Capacity: 0.7 cu. yd. (0.5 cu. m.)
  3. Maximum Inlet/Outlet Pipe Diameters: 24 in. (600 mm)
  4. The Treatment System Shall Use An Induced Vortex To Separate Pollutants From Stormwater Runoff.
  5. For More Product Information Including Regulatory Acceptances, Please Visit <https://hydro-int.com/en/products/first-defense>
- GENERAL NOTES:**
1. General Arrangement drawings only. Contact Hydro International for site specific drawings.
  2. The diameter of the inlet and outlet pipes may be no more than 24".
  3. Multiple inlet pipes possible (refer to project plan).
  4. Inlet/outlet pipe angle can vary to align with drainage network (refer to project plans).
  5. Peak flow rate and minimum height limited by available cover and pipe diameter.
  6. Larger sediment storage capacity may be provided with a deeper sump depth.



**CTDOT BITUMINOUS CONCRETE CURBING**  
 NOT TO SCALE



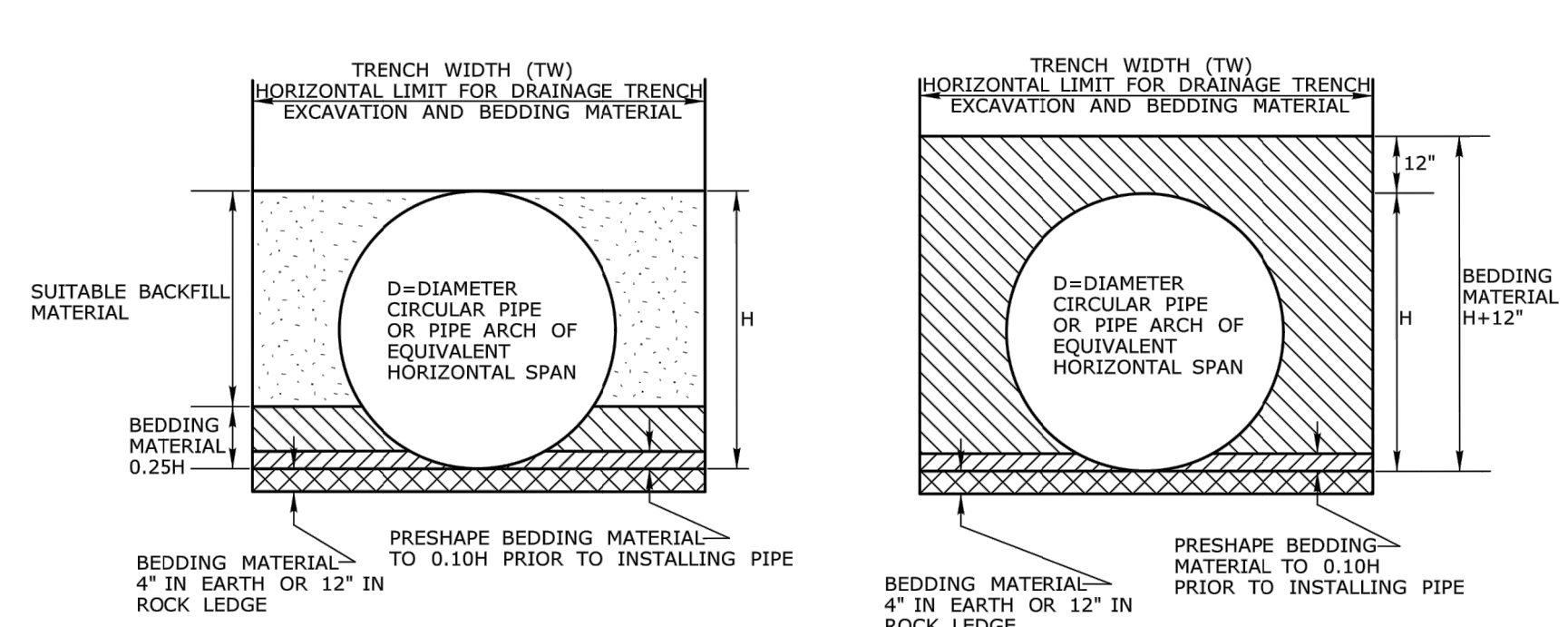
**CTDOT ASPHALT PAVEMENT REPLACEMENT - PAVEMENT STRUCTURE 2**  
 NOT TO SCALE



**8 LIGHT POLE BASE**  
 NOT TO SCALE

- LUMINAIRE & POLE SPECIFICATIONS:**
1. LUMINAIRES AND POLES ARE TO BE THE PRODUCT OF SELUX LIGHTING OR APPROVED EQUAL.
  1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CHECK AND VERIFY ALL ANCHOR BOLT DIMENSIONS (SIZE, BOLT CIRCLE, ETC.) WITH THE POLE MANUFACTURER PRIOR TO INSTALLATION OF THE FOUNDATIONS.
  2. CHAMFER EXPOSED EDGES OF ALL FOUNDATIONS. PROVIDE INSULATED GROUNDING BUSHING ON EXPOSED ENDS (IN BASE OF POLE) OF ALL GALVANIZED STEEL BENDS.
  3. COLOR OF LUMINAIRE SHALL MATCH COLOR OF POLE.

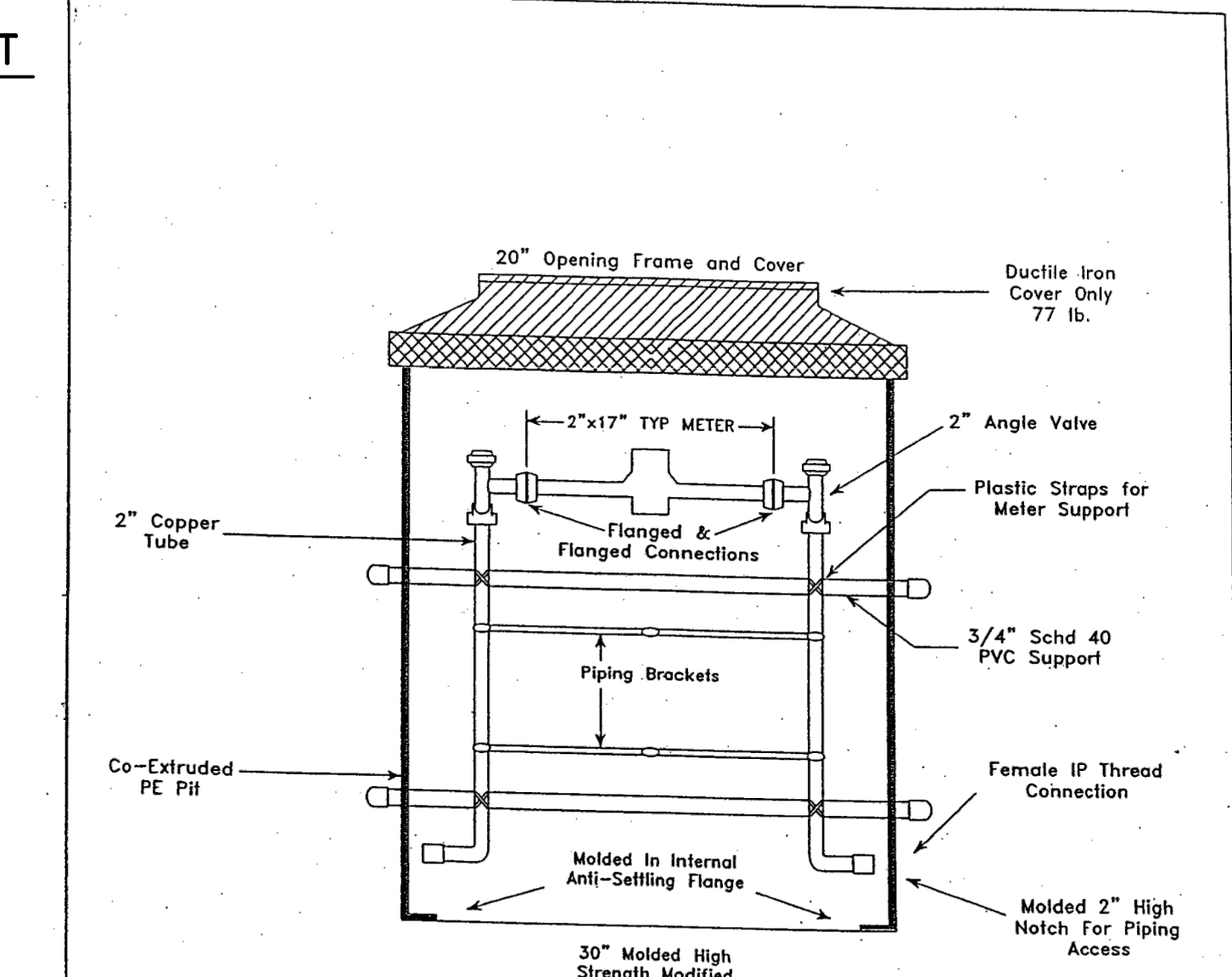
**1 FIRST DEFENSE UNIT**  
 NOT TO SCALE



**TRENCH WIDTH (TW) CHART**

PIPE, PIPE-ARCH, OR DRAINAGE STRUCTURE	TRENCH WIDTH
PIPE OR PIPE-ARCH WITH NOMINAL INSIDE HORIZONTAL SPAN LESS THAN 30"	2' GREATER THAN NOMINAL INSIDE HORIZONTAL SPAN
PIPE OR PIPE-ARCH WITH NOMINAL INSIDE HORIZONTAL SPAN GREATER THAN OR EQUAL TO 30"	3' GREATER THAN NOMINAL INSIDE HORIZONTAL SPAN TO 30"
PIPE OR PIPE-ARCH FABRICATED FROM STRUCTURAL PLATES	4' GREATER THAN NOMINAL INSIDE HORIZONTAL SPAN
DRAINAGE STRUCTURES	2' BEYOND ALL EXTERIOR OR FOUNDATION WALLS

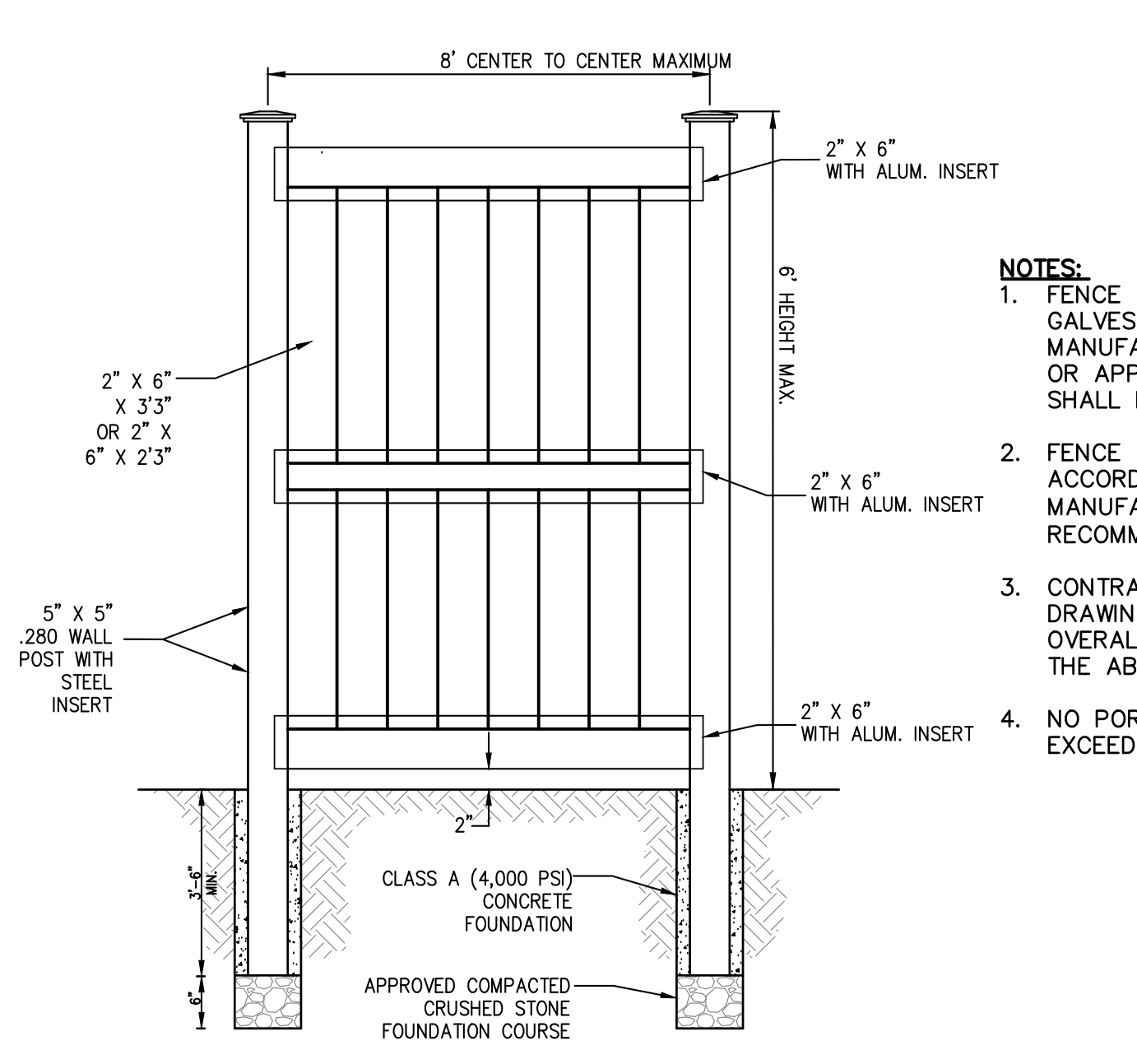
**2 CTDOT DRAINAGE TRENCH EXCAVATION**  
 NOT TO SCALE



**MANUFACTURER** Water & Sewer Specialties  
**MODEL #** AQUARSPEC2" PITCOMP  
**Ford - Associated Supply** PM BHC 788-36-48  
**Depth of Bury** 52" as per drawing  
**Pit Size** 30"  
**Meter Size** 2"x17" typical meter can be plumbed for 1-1/2" meter  
**Pit Material** Co-Extruded PE Pit Black exterior with white interior UV degradation protected. Nominal wall thickness (min.) 1/2".  
**Meter Box Cover** is Ductile Iron, 77 lb.  
**Smooth wall interior/exterior. Vertical Crush** exceeds 20,000 lb.  
**Molded-in Internal Anti-Settling Flange**

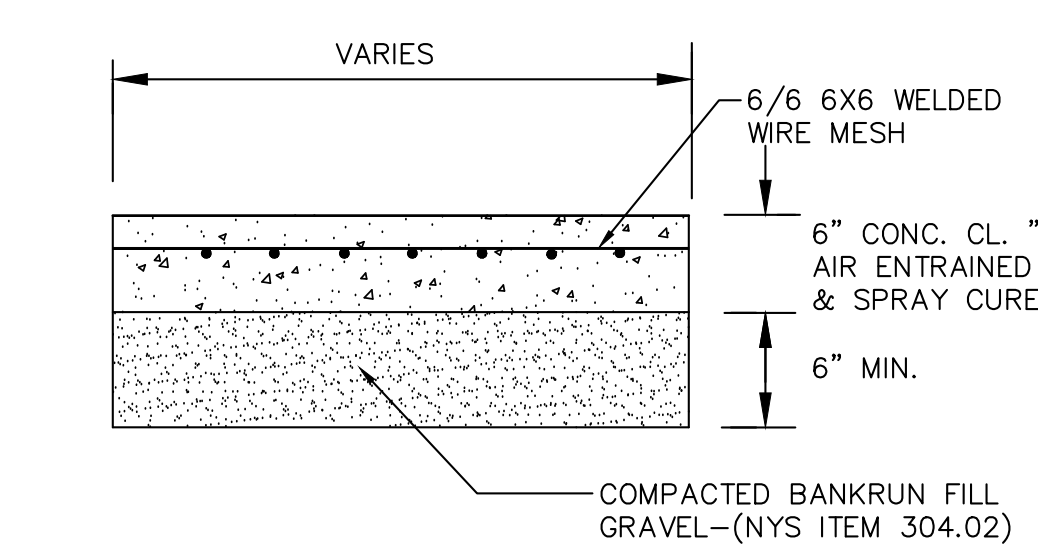
**AQUARION** Water Company  
**Standard 2" Meter Pit**

**3 AQUARION 2" WATER METER PIT**  
 NOT TO SCALE

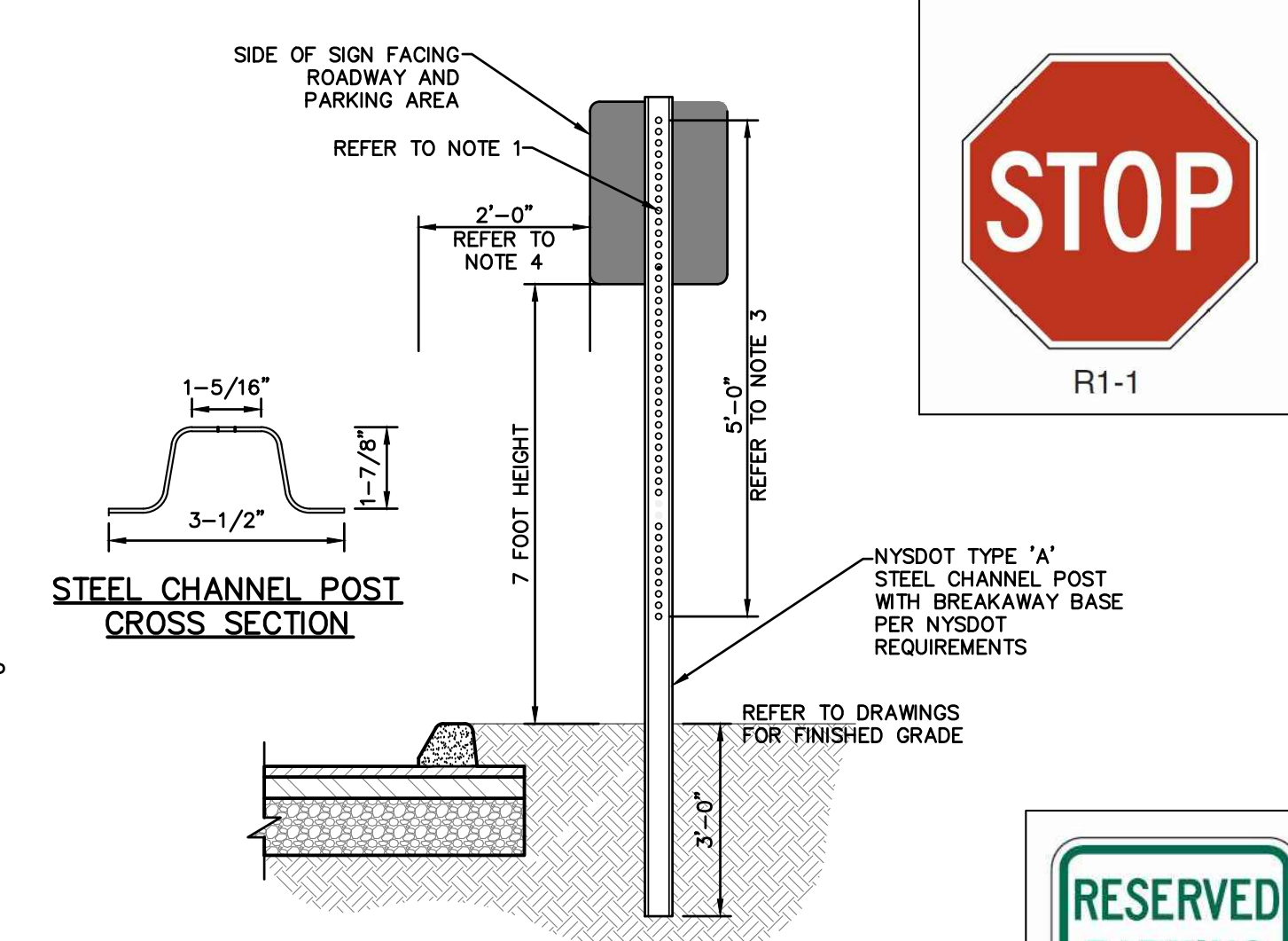


**6-FOOT HIGH PVC PRIVACY FENCE AT TRASH ENCLOSURE**  
 NOT TO SCALE

- NOTES:**
1. FENCE SHALL BE BUFFTECH GALVESTON VINYL FENCE AS MANUFACTURED BY CERTAINTED OR APPROVED EQUAL. THE COLOR SHALL BE GREY.
  2. FENCE SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
  3. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS TO CONFIRM THAT THE OVERALL FENCE DIMENSIONS MEET THE ABOVE NOTED DESIGN.
  4. NO PORTION OF THE FENCE SHALL EXCEED 6- FEET IN HEIGHT



**7 CONCRETE PAVEMENT AT TRASH ENCLOSURE**  
 NOT TO SCALE



- NOTES:**
1. SIGN BOLTS SHALL BE GALVANIZED STEEL WITH NUTS AND LOCK WASHERS WITH A DIAMETER OF 5/16 INCHES.
  2. STEEL CHANNEL POST SHALL BE GALVANIZED WITH A GROSS WEIGHT OF 3 LBS. PER LINEAR FOOT (L.F.).
  3. HOLES WITHIN STEEL CHANNEL POSTS SHALL BE 3/8 INCH DIAMETER SPACED 1 INCH ON-CENTER (O.C.).
  4. EDGE OF SIGN SHALL BE PLACED 2 FEET BEHIND THE FACE OF CURB, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

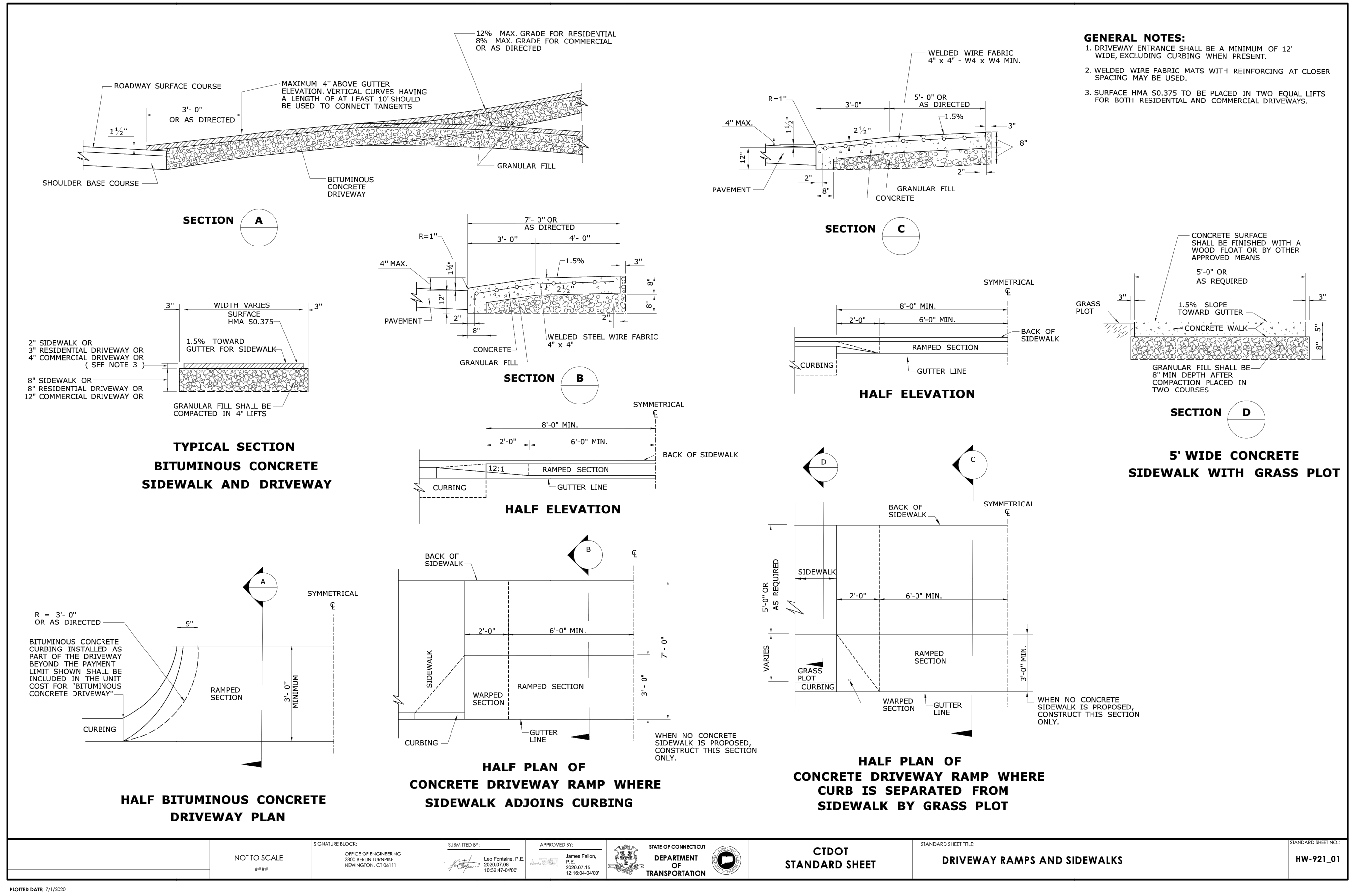
**9 TRAFFIC SIGN POST**  
 NOT TO SCALE

PROJECT: WILTON MEETINGHOUSE  
 THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS  
 241 DANBURY ROAD  
 TOWN OF WILTON  
 FAIRFIELD COUNTY - CONNECTICUT

**HEC** **HUDSON ENGINEERING CONSULTING, P.C.**  
 45 Knollwood Road - Suite 201  
 Elmstord, New York 10523  
 T: 914-909-0420  
 F: 914-560-2086

Date: 8/19/22 Sheet: 5  
 Scale: N.T.S.  
 Designed By: D.C.  
 Checked By: M.S.  
 Sheet No. 6

**C-5**



CTDOT DRIVEWAY RAMPS AND SIDEWALKS  
1  
C-6  
NOT TO SCALE

NOT TO SCALE	SIGNATURE BLOCK	OFFICE OF ENGINEERING 2000 BURLINGTON SPRING NEWINGTON, CT 06111	SUBMITTED BY: Luis Fontana, P.E. 2000.07.08 10.30.47.04007	APPROVED BY: James Fallon, P.E. 2000.07.15 12.18.04.04107	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: DRIVEWAY RAMPS AND SIDEWALKS	STANDARD SHEET NO.: HW-921_01
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PLOTTED DATE: 7/1/2020

REVISIONS 1. REVISED FOR SUBMISSION TO TOWN DATE: 2/2/23 BY: [Signature]	PROJECT: WILTON MEETINGHOUSE THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS 241 DANBURY ROAD TOWN OF WILTON FAIRFIELD COUNTY - CONNECTICUT DETAILS	
	THIS PLAN NOT VALID FOR CONSTRUCTION WITHOUT ENGINEERS SEAL & SIGNATURE	
	 45 Knowlwood Road - Suite 201 Elmstord, New York 10523 T: 914-909-0420 F: 914-560-2086	Date: 11/17/22 Scale: N.T.S. Designed By: D.C. Checked By: M.S. Sheet No. 6 <b>C-6</b>





March 21, 2023  
REVISED: July 13, 2023  
REVISED: August 30, 2023

**SANITARY SEWER REPORT: Wilton Meetinghouse  
The Church of Latter-Day Saints  
241 Danbury Road  
Town of Wilton, Connecticut**

This project includes the construction of a new church meeting house, and associated onsite parking, for the Church of Latter-Day Saints on a previously developed lot located at 241 Danbury Road. The proposed meeting house will consist of approximately 244 seats for worship services and an additional 437-seats for worship overflow & social events, resulting in an average daily flow rate of approximately 2,429-gallons per day. The calculated average daily flow rate will primarily occur during the weekends, specifically during hours of worship, which are typically held on Sundays between the hours of 8-am and 2:30-pm, with an additional small group meeting held on Wednesdays between the hours of 6-pm and 9-pm. With that being said, the busiest day would be Sunday, with an average flow of approximately 2,429-gallons per day, with an additional 303.63-gallons at 101.21-gallons per hour during the 3-hour meetings on Wednesday evenings for a total of 2,732.63-gallons per week.

Per the Town of Wilton Property Listing Report (*attached herewith*) the previously existing office building, which was demolished in 2019, consisted of approximately 2,429-square feet of livable area. The Connecticut Public Health Code requires 200-square feet of gross floor area per employee, for a total of 14-employees, resulting in an existing average daily flow rate of 280-gallons per day discharging to the existing manhole located within Cricket Lane and subsequently conveyed to the existing 12-inch sewer main within Danbury Road. Based on an existing survey provided by the Town of Wilton, in addition to the existing office building on the subject property, a previously existing  $\pm 2,000$ -square foot, one story building located on the adjacent property of 249 Danbury Road also discharged to the same sewer manhole located within Cricket Lane. Using the aforementioned 200-square feet of gross floor area per employee, it was estimated that the previously existing building on the 249 Danbury Road property discharged an additional 200-gal/day, for a total of 480-gallons per day (2,400-gallons per week over a 5-day work week) being discharged to the existing manhole in the previously existing conditions. (*See attached survey entitled 'Map of Property Prepared for Marcelino E. Lavin, last revised March 8, 1995*). The proposed change in use is estimated to generate an increase of 1,949-gallons per day and 332.63-gallons per week over the previously existing conditions. *See flow calculations attached herewith.*

The sewer flows from the proposed meetinghouse are to be conveyed via a new 4-inch SDR-35 PVC sewer service to the existing manhole within Cricket Lane. The flows are



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then conveyed via an existing 150-foot sewer service pipe which flows in an easterly direction where it ultimately discharges to an existing 5-foot riser connection at the existing 12-inch sewer main located within Danbury Road. As mentioned above, an offsite analysis was prepared for the previously existing building on 249 Danbury Road. However, since this building has since been demolished, the only flows tributary to the existing 12-inch main will be from the proposed use. A capacity analysis was prepared for the existing sewer service within Cricket Lane. Unfortunately, the size and invert of the existing sewer service pipe within Cricket Lane was not included in the information provided by the Town. Since the size and inverts of the pipe are unknown, the attached calculations were prepared with the assumption that the existing sewer line within Cricket Lane is a 4-inch diameter cast iron sewer service. Using Manning's Equation, the calculated capacity of the pipe (flowing full) is 0.183-cfs. The previously existing flows were calculated to be approximately 0.009-cfs, which is 4.88% of the overall pipe capacity. The proposed flow was calculated to be approximately 0.045-cfs, which is 24.71% of the overall pipe capacity, which is below 50% of the overall pipe capacity.

Based on the narrative above supported by the calculations provided herewith, it is in our professional opinion that the receiving municipal sewers have the capacity to accommodate flow from the redevelopment of the subject property.



Respectfully submitted,

Michael F. Stein, P.E.  
Connecticut State License  
#24181

## ONSITE SEWER FLOW CALCULATIONS

### Existing Onsite Flows:

<b>Existing Total Living Area =</b>	2,784.0	sf (per Town of Wilton Property Listing Report)
<b>Number of Employees =</b>	14	(200 sf gross floor area per employee, per CT Public Health Code)
<b>Flow Rate per Employee =</b>	20	gal/day (based on 20 gal/day per employee, per CT Public Health Code)
<b>Average Daily Flow Rate =</b>	280	gal/day
<b>Peaking Factor=</b>	4	
<b>Average Hourly Flow Rate =</b>	0.19	gpm
<b>Peak Hourly Flow Rate (gpm) =</b>	2.33	gpm
<b>Peak Hourly Flow Rate (gph) =</b>	140	gph
<b>Peak Hourly Flow Rate (cfs) =</b>	0.005	cfs

### Potential Onsite Flows:

<b>Number of Seats (Worship Service) =</b>	244	
<b>Number of Seats (Social Event) =</b>	437	
<b>Flow Rate per Seat (Worship Service) =</b>	1	gal/day (based on 1 gal/day per worship seating, per CT Public Health Code)
<b>Flow Rate per Seat (Social Event) =</b>	5	gal/day (based on 5 gal/day per social event seating, per CT Public Health Code)
<b>Average Daily Flow Rate =</b>	2,429	gal/day
<b>Peaking Factor=</b>	4	
<b>Average Hourly Flow Rate =</b>	1.69	gpm
<b>Peak Hourly Flow Rate (gpm) =</b>	20.24	gpm
<b>Peak Hourly Flow Rate (gph) =</b>	1,215	gph
<b>Peak Hourly Flow Rate (cfs) =</b>	0.045	cfs

### Pipe Capacity - Manning Equation

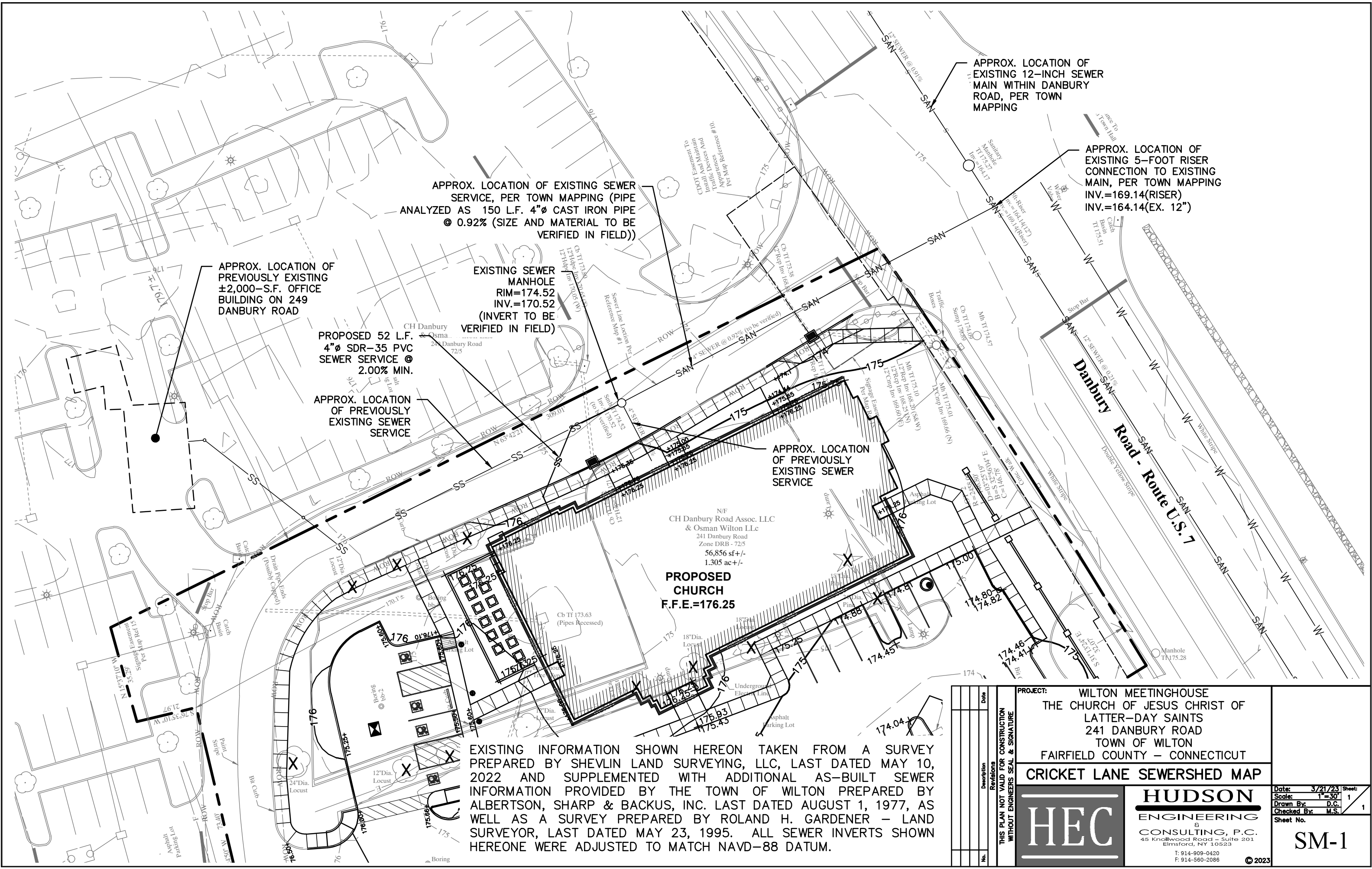
SMH		Diameter	Area	Perimeter	Hydraulic	Length	Invert		Slope	n	Flow - Full	Flow - Full
FROM	TO	(Inches)	(sf)	(feet)	Radius (Ft)	(feet)	Upstream	Downstream	(ft/ft)	Cast Iron	(cfs)	(gpm)
Ex. SMH (CRICKET LN.)	12" MAIN (DANBURY RD.)	4	0.09	1.05	0.083	150	170.52	169.14	0.0092	0.013	0.183	81.93
		<b>Velocity</b>		<b>Peak Flow (cfs)</b>		<b>% Pipe Capacity Used</b>		<b>% Pipe Capacity Remaining</b>				
		<b>Full (fps)</b>		<b>Existing</b>	<b>Proposed</b>	<b>Existing</b>	<b>Proposed</b>	<b>Existing</b>	<b>Proposed</b>			
		2.09		0.009	0.045	4.88%	24.71%	95.12%	75.29%			

## OFF-SITE SEWER FLOW CALCULATIONS

### Previously Existing Offsite Flows:

Note: Includes the previously existing offsite building along Cricket Lane on the 249 Danbury Road property tributary to the existing 12-inch sewer main in Danbury Road. See *attached survey entitled ' Map of Property Prepared for Marcelino E. Lavin, last revised March 8, 1995*

<b>Existing Gross Floor Area =</b>	2,000.0	s.f. commercial building previously on 249 Danbury Road (per mapping provided by Town)
<b>Number of Employees =</b>	10	(200 sf gross floor area per employee, per CT Public Health Code)
<b>Flow Rate per Employee =</b>	20	gal/day (based on 20 gal/day per employee, per CT Public Health Code)
<b>Average Daily Flow Rate =</b>	200	gal/day
<b>Peaking Factor=</b>	4	
<b>Average Hourly Flow Rate =</b>	0.14	gpm
<b>Peak Hourly Flow Rate (gpm) =</b>	1.67	gpm
<b>Peak Hourly Flow Rate (gph) =</b>	100	gph
<b>Peak Hourly Flow Rate (cfs) =</b>	0.004	cfs



APPROX. LOCATION OF PREVIOUSLY EXISTING ±2,000-S.F. OFFICE BUILDING ON 249 DANBURY ROAD

PROPOSED 52 L.F. 4" SDR-35 PVC SEWER SERVICE @ 2.00% MIN.

APPROX. LOCATION OF PREVIOUSLY EXISTING SEWER SERVICE

APPROX. LOCATION OF EXISTING SEWER SERVICE, PER TOWN MAPPING (PIPE ANALYZED AS 150 L.F. 4" CAST IRON PIPE @ 0.92% (SIZE AND MATERIAL TO BE VERIFIED IN FIELD))

EXISTING SEWER MANHOLE RIM=174.52 INV.=170.52 (INVERT TO BE VERIFIED IN FIELD)

APPROX. LOCATION OF PREVIOUSLY EXISTING SEWER SERVICE

CH Danbury Road Assoc. LLC & Osman Wilton LLC  
241 Danbury Road  
Zone DRB - 72/5  
56,856 sf +/-  
1.305 ac +/-  
**PROPOSED CHURCH**  
F.F.E.=176.25

EXISTING INFORMATION SHOWN HEREON TAKEN FROM A SURVEY PREPARED BY SHEVLIN LAND SURVEYING, LLC, LAST DATED MAY 10, 2022 AND SUPPLEMENTED WITH ADDITIONAL AS-BUILT SEWER INFORMATION PROVIDED BY THE TOWN OF WILTON PREPARED BY ALBERTSON, SHARP & BACKUS, INC. LAST DATED AUGUST 1, 1977, AS WELL AS A SURVEY PREPARED BY ROLAND H. GARDENER - LAND SURVEYOR, LAST DATED MAY 23, 1995. ALL SEWER INVERTS SHOWN HEREONE WERE ADJUSTED TO MATCH NAVD-88 DATUM.

APPROX. LOCATION OF EXISTING 12-INCH SEWER MAIN WITHIN DANBURY ROAD, PER TOWN MAPPING

APPROX. LOCATION OF EXISTING 5-FOOT RISER CONNECTION TO EXISTING MAIN, PER TOWN MAPPING  
INV.=169.14(RISER)  
INV.=164.14(EX. 12")

PROJECT: WILTON MEETINGHOUSE  
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS  
241 DANBURY ROAD  
TOWN OF WILTON  
FAIRFIELD COUNTY - CONNECTICUT  
**CRICKET LANE SEWERSHED MAP**

No.	Description	Date

THIS PLAN NOT VALID FOR CONSTRUCTION WITHOUT ENGINEERS SEAL & SIGNATURE



**HUDSON**  
ENGINEERING & CONSULTING, P.C.  
45 Knollwood Road - Suite 201  
Elmsford, NY 10523  
T: 914-909-0420  
F: 914-560-2086  
© 2023

Date: 3/21/23 Sheet: 1  
Scale: 1"=30' 1  
Drawn By: D.C.  
Checked By: M.S.  
Sheet No. SM-1



# Town of Wilton, CT

## Property Listing Report

Map Block Lot

72-5-1

Account

074478

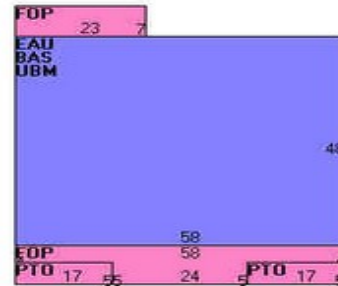
### Property Information

Property Location	241 DANBURY RD
Owner	CORP OF THE PRESIDING BISHOP OF THE
Co-Owner	CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS
Mailing Address	50 EAST NORTH TEMPLE ST 22FLR SALT LAKE CITY UT 84150
Land Use	2-1V Commercial
Land Class	C
Zoning Code	DRD
Census Tract	
Sub Lot	
Neighborhood	6000
Acreage	1.31
Utilities	
Lot Setting/Desc	
Survey Map	
Foundation	1

### Photo



### Sketch



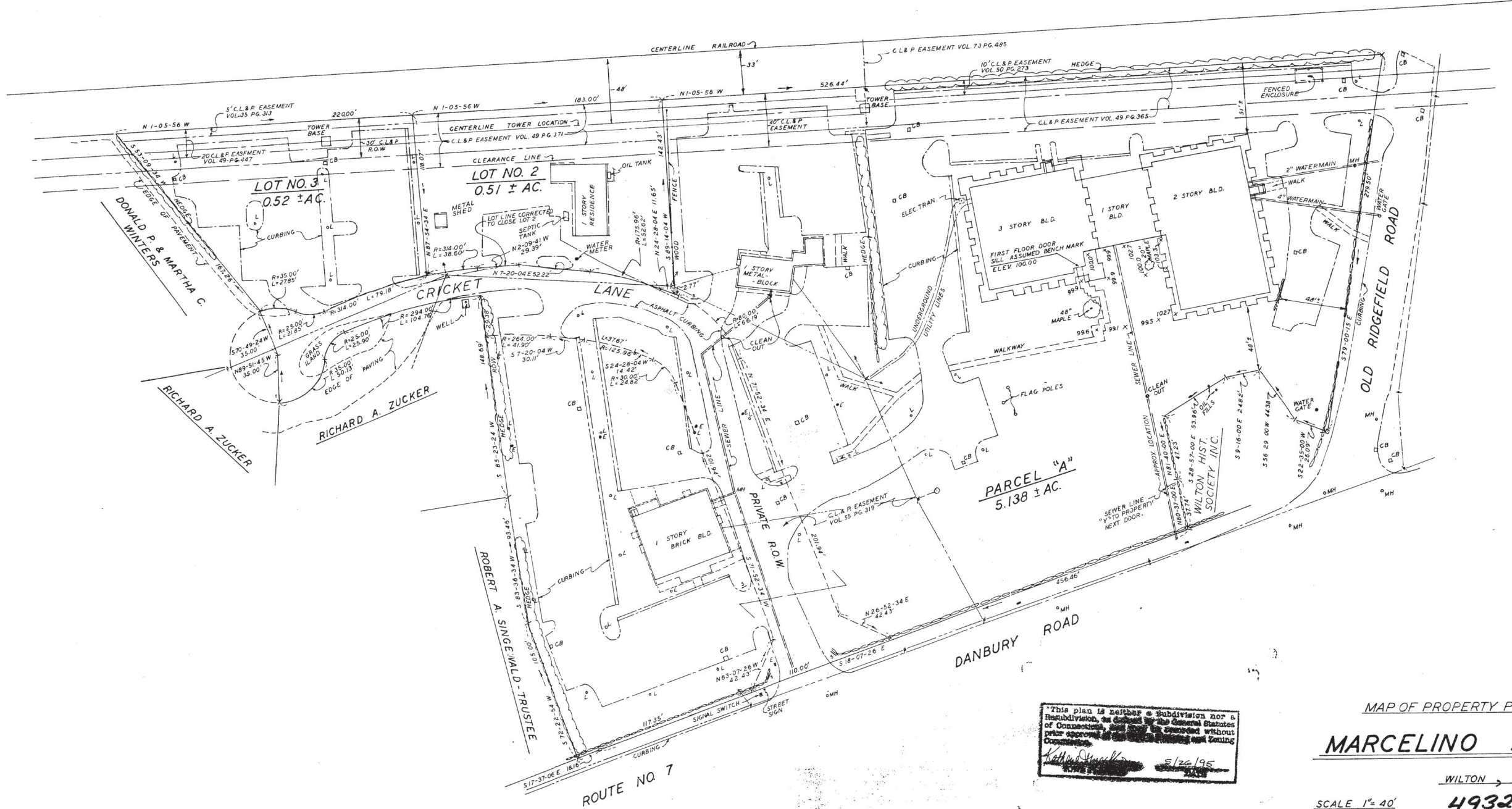
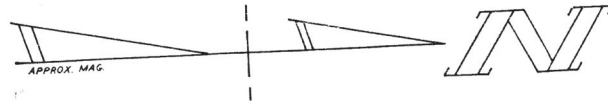
### Primary Construction Details

Year Built	0
Stories	
Building Style	
Building Use	
Building Condition	
Floors	Carpet
Total Rooms	

Bedrooms	
Full Bathrooms	
Half Bathrooms	
Bath Style	
Kitchen Style	
Roof Style	Gable/Hip
Roof Cover	Asphalt Shngl.

Exterior Walls	Brick Veneer
Interior Walls	Drywall
Heating Type	Forced Air
Heating Fuel	Electric
AC Type	Central
Gross Bldg Area	9035
Total Living Area	2784





This plan is neither a subdivision nor a Resubdivision, as defined by the General Statutes of Connecticut, and does not require approval of the State Planning and Zoning Commission.  
Roland H. Gardner  
8/26/95

MAP OF PROPERTY PREPARED FOR  
**MARCELINO E. LAVIN**  
WILTON, CONN.  
SCALE 1"=40'  
**4932**  
MARCH 8, 1995  
REV MAY 23, 1995

NOTE: REFER TO FILED MAPS NO. 805, 1193, 1353, 1541, 1820, 2727, 3232, 3730, & 3749 IN THE WILTON TOWN CLERK'S OFFICE.  
NOTE: LOTS 2 & 3 OWNER OF RECORD - MCL VENTURES AND PARCEL "A" OWNER OF RECORD - MARCELINO E. LAVIN AND JUDITH P. LAVIN.  
NOTE: REFER TO SNET CO. EASEMENT - VOL. 26 PG. 273  
NOTE: REFER TO TRANSFER OF EASEMENTS - VOL. 86 - PG. 311 W.L.R.

NOTE: SURVEY WORK PERFORMED BY THIS OFFICE CONFORMS TO CLASS A-2 SURVEY CODE OF RECOMMENDED PRACTICE FOR SURVEYS AND THE PROPERTY OUTLINES, BEARINGS, DISTANCES AND CURVE DATA WERE TAKEN FROM REFERRED TO FILED MAPS AND CERTIFY TO AS SUCH.

BY ROLAND H. GARDNER - LAND SURVEYOR - WILTON, CONN.  
TO THE BEST OF MY KNOWLEDGE AND BELIEF THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.  
Roland H. Gardner - CT REG. NO. 5179

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Reidographics Plus  
87 Taylor Avenue  
Norwalk, CT

