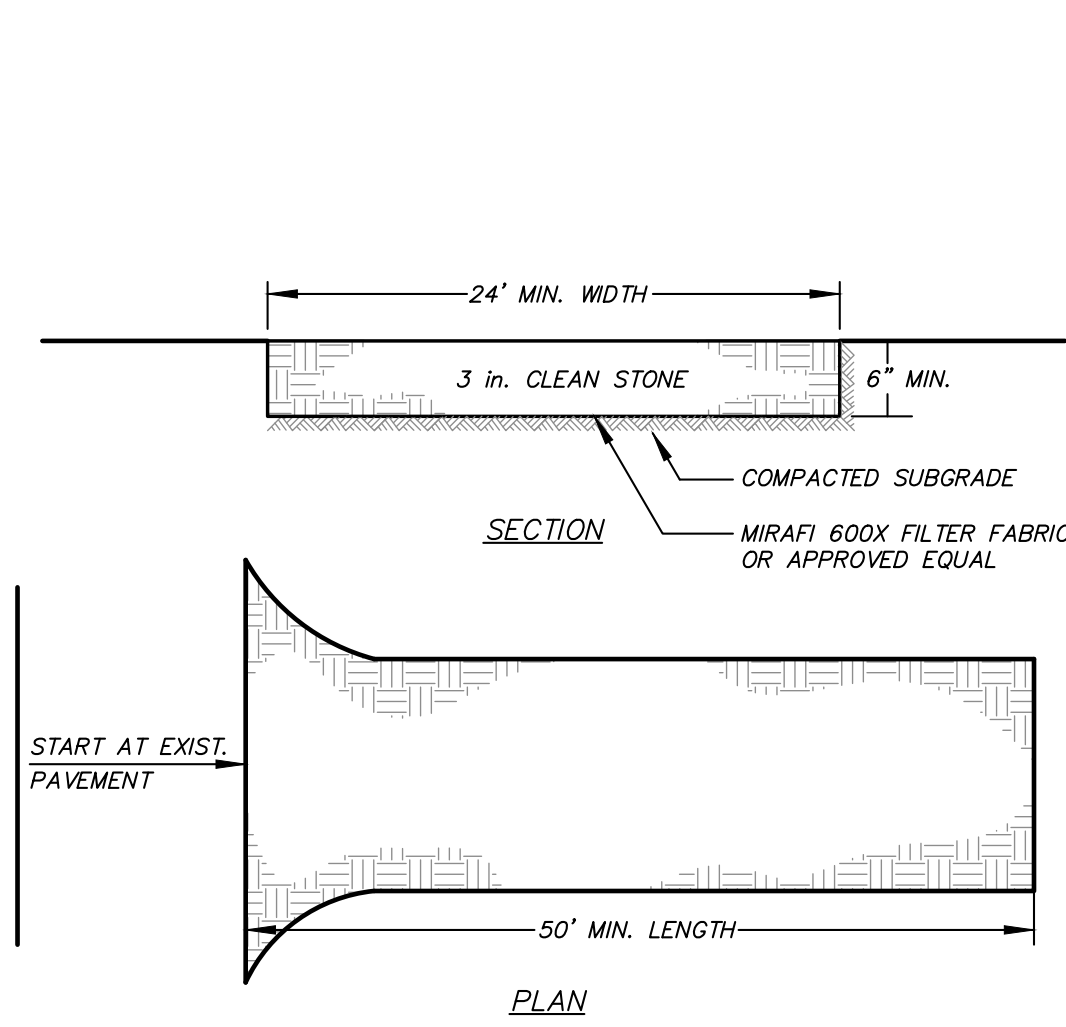


EROSION & SEDIMENT CONTROL NOTES:

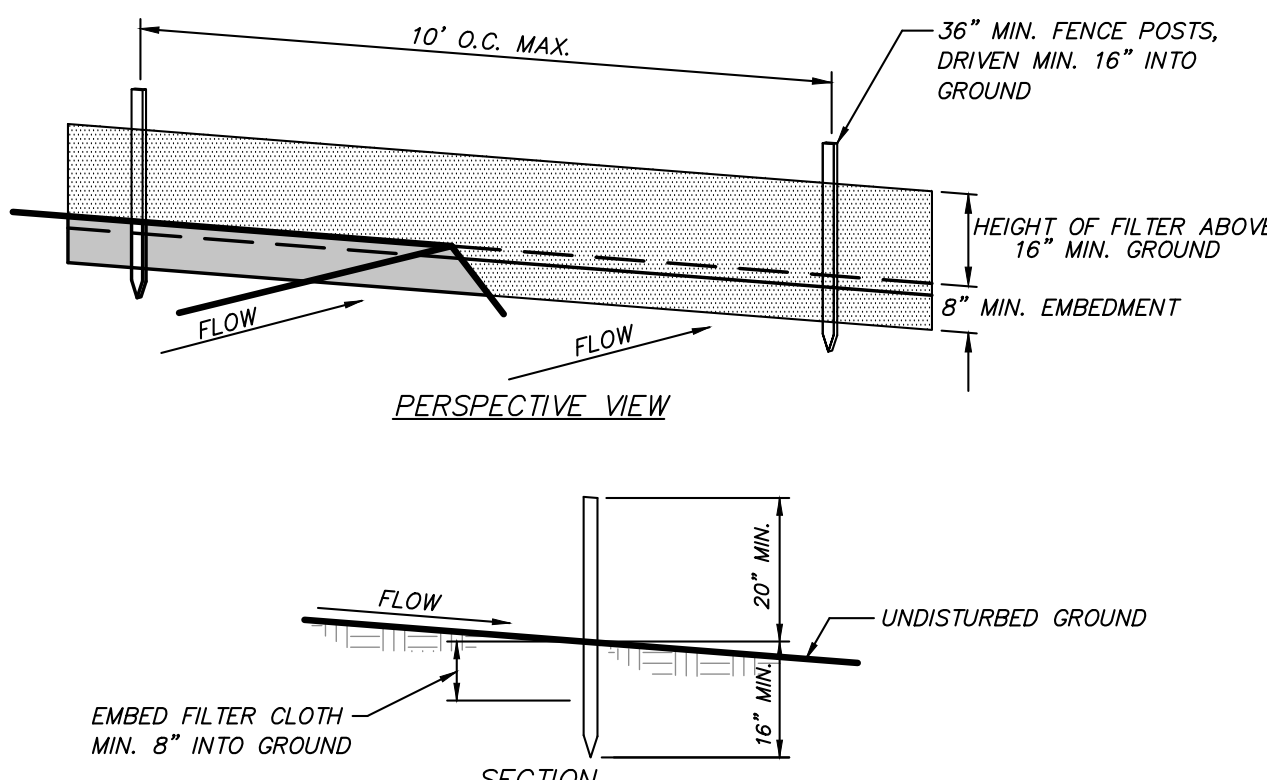
- The owner's field representative (O.F.R.) will be responsible for the implementation and maintenance of erosion and sediment control measures on this site prior to and during construction.
- All construction activities involving the removal or disposition of soil are to be provided with appropriate protective measures to minimize erosion and contain sediment disposition within. Minimum soil erosion and sediment control measures shall be implemented as shown on the plans and shall be installed in accordance with "New York Standards and Specifications For Erosion and Sediment Control," latest edition.
- Wherever feasible, natural vegetation should be retained and protected. Disturbance shall be minimized in the areas required to perform construction. No more than 5 acres of unprotected soil shall be exposed at any one time.
- When land is exposed during development, the exposure shall be kept to the shortest practical period of time. In the areas where soil disturbance activity has temporarily or permanently ceased, the application of soil stabilization measures must be initiated by the end of the next business day and completed within seven (7) days from the date the current soil disturbance activity ceased. Disturbance shall be minimized to the areas required to perform construction.
- Silt fence shall be installed as shown on the plans prior to beginning any clearing, grubbing or earthwork.
- All topsoil to be stripped from the area being developed shall be stockpiled and immediately seeded for temporary stabilization. Ryegrass (annual or perennial) at a rate of 30 lbs. per acre shall be used for temporary seeding in spring, summer or early fall. "Aristoak" Winter Rye (cereal rye) shall be used for temporary seeding in late fall and winter.
- Any disturbed areas not subject to further disturbance or construction traffic, permanent or temporary, shall have soil stabilization measures initiated for permanent vegetation cover in combination with a suitable mulch within 1 business day of final grading. All seeded areas to receive a minimum 4" topsoil (from stockpile area) and be seeded and mulched as follows:
  - Seed mixture to be planted between March 21 and May 20, or between August 15 and October 15 or as directed by project representative at a rate of 100 pounds per acre in the following proportions:
    - Kentucky Bluegrass 20%
    - Creeping Red Fescue 40%
    - Perennial Ryegrass 20%
    - Annual Ryegrass 20%
  - Mulch: Salt hay or small grain straw applied at a rate of 90 lbs./1000 S.F. or 2 tons/acre, to be applied and anchored according to "New York Standards and Specification For Erosion and Sediment Control," latest edition.
- Grass seed mix may be applied by either mechanical or hydroseeding methods. Seeding shall be performed in accordance with the current edition of the "NYSDOT Standard Specification, Construction and Materials, Section 610-3.02, Method No. 1". Hydroseeding shall be performed using materials and methods as approved by the site engineer.
- Cut or fill slopes steeper than 3:1 shall be stabilized immediately after grading with Cutex I Single Net Erosion Control Blanket, or approved equal.
- Paved roadways shall be kept clean at all times.
- The site shall at all times be graded and maintained such that all stormwater runoff is diverted to soil erosion and sediment control facilities.
- All storm drainage outlets shall be stabilized, as required, before the discharge points become operational.
- Erosion and sediment control measures shall be inspected and maintained on a daily basis by the O.F.R. to insure that channels, temporary and permanent ditches and pipes are clear of debris, that embankments and berms have not been breached and that all straw bales and silt fences are intact. Any failure of erosion and sediment control measures shall be immediately reported by the contractor and inspected for approval by the O.F.R. and/or site engineer.
- Dust shall be controlled by sprinkling or other approved methods as necessary, or as directed by the O.F.R.
- Cut and fills shall not endanger adjoining property, nor divert water onto the property of others.
- All fills shall be placed and compacted in 6" lifts to provide stability of material and to prevent settlement.
- The O.F.R. shall inspect downstream conditions for evidence of sedimentation on a weekly basis and after rainstorms.
- As warranted by field conditions, special additional erosion and sediment control measures, as specified by the site engineer and/or the Town Engineer shall be installed by the contractor.
- Erosion and sediment control measures shall remain in place until all disturbed areas are suitably stabilized.



- INSTALLATION NOTES**
- STONE SIZE - USE 3" STONE
  - LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY.)
  - THICKNESS - NOT LESS THAN SIX (6) INCHES.
  - WIDTH - 10 FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCUR.
  - 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.
  - 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.
  - 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 TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT OF WAY MUST BE REMOVED IMMEDIATELY.
  - 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.
  - PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

STABILIZED CONSTRUCTION ENTRANCE DETAIL

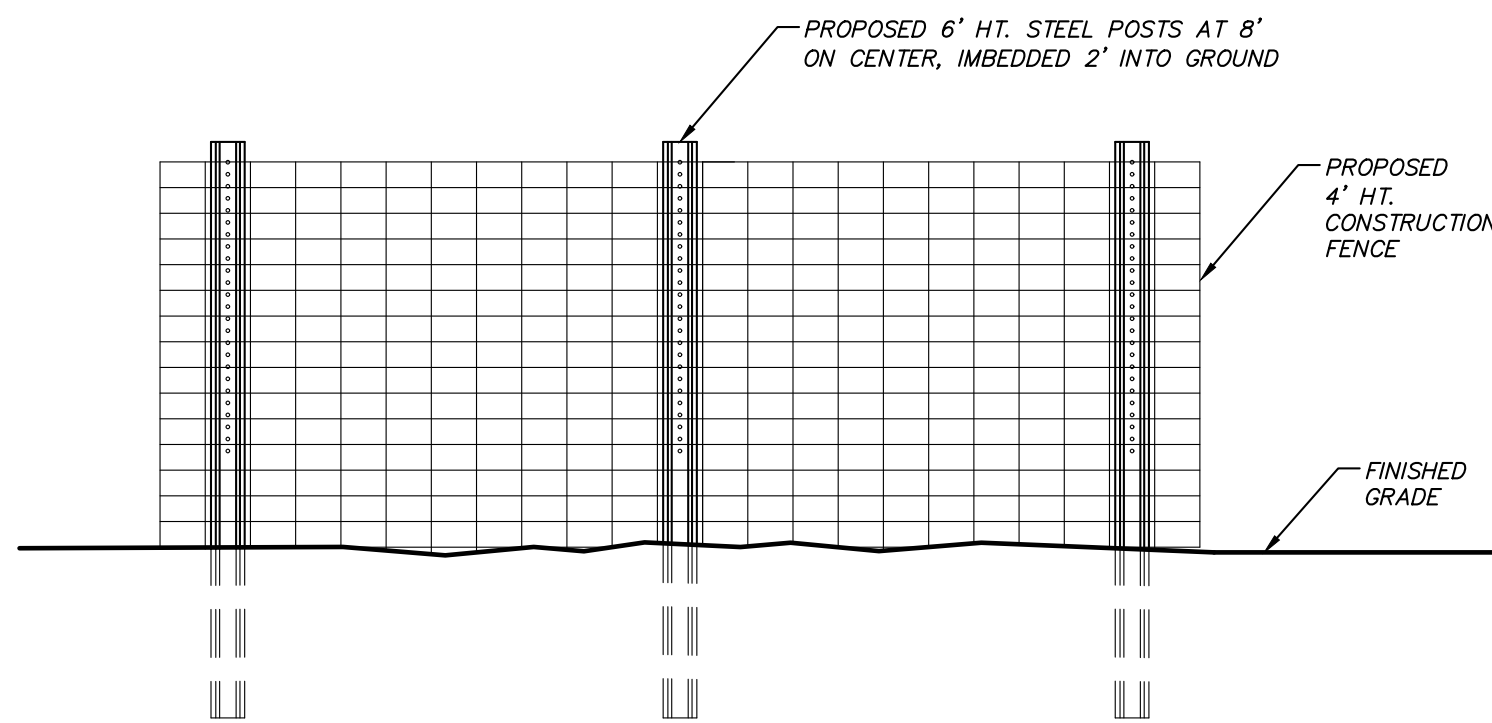
(N.T.S.)



- CONSTRUCTION NOTES FOR FABRICATED SILT FENCE**
- FILTER CLOTH TO BE FASTENED SECURELY TO POSTS AT TOP AND MID SECTION.
  - WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
  - MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

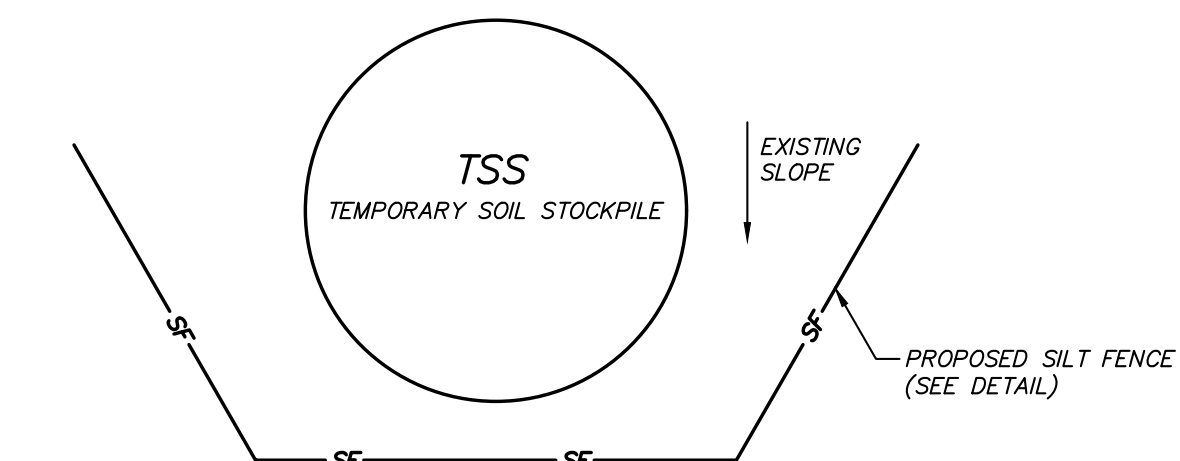
SILT FENCE DETAIL

(N.T.S.)



CONSTRUCTION FENCE DETAIL

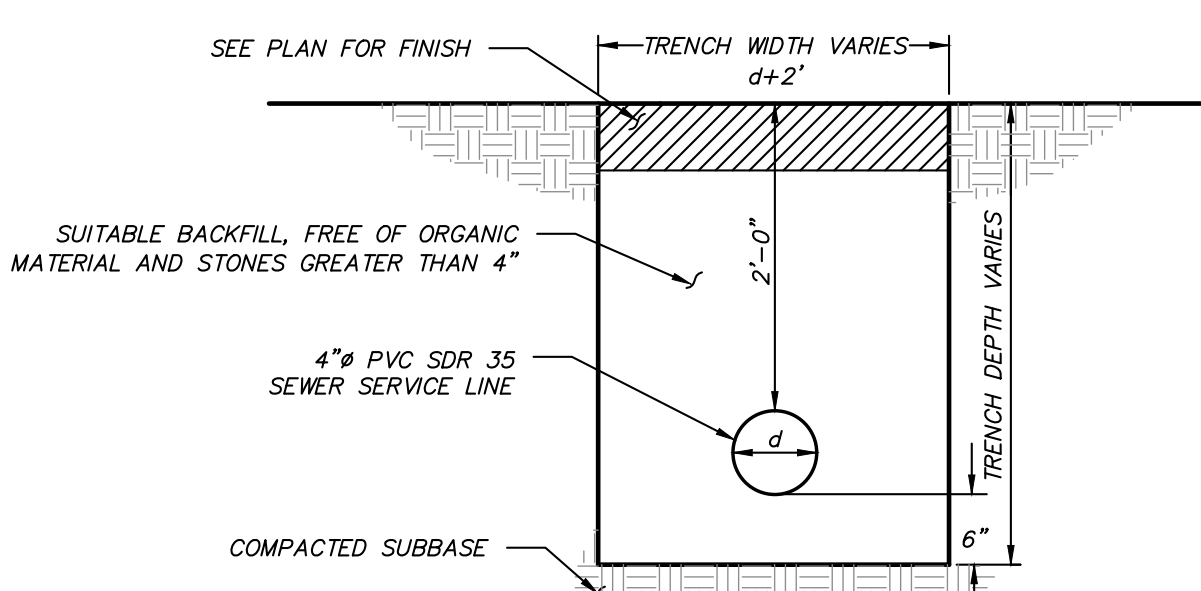
(N.T.S.)



- NOTES:**
- AREA CHOSEN FOR STOCKPILE LOCATION SHALL BE DRY AND STABLE.
  - MAXIMUM SLOPE OF STOCKPILE SHALL BE 2:1.
  - UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE IMMEDIATELY SEEDED WITH K31 PERENNIAL TALL FESCUE.
  - ALL STOCKPILES SHALL BE PROTECTED WITH SILT FENCING INSTALLED ON THE DOWNGRADIENT SIDE.

TEMPORARY SOIL STOCKPILE DETAIL

(N.T.S.)



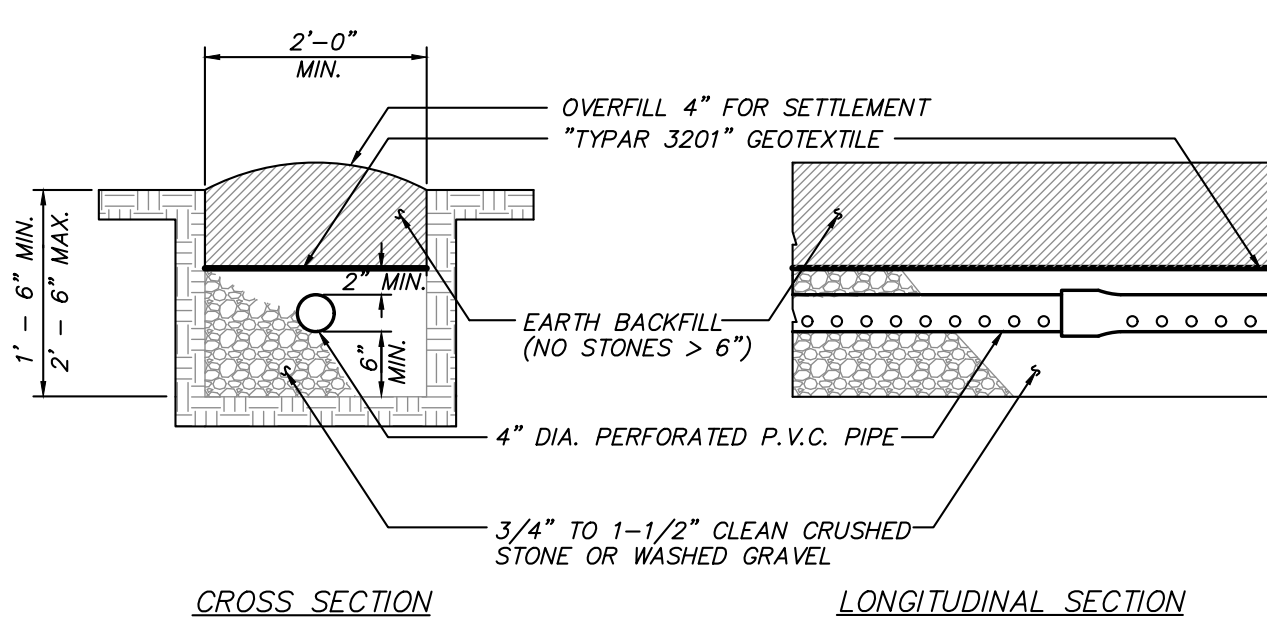
SEWER SERVICE LINE TRENCH DETAIL

(N.T.S.)

SEWER FORCEMAIN TESTING PROCEDURES

TESTS ON PRESSURE PIPING FOR TRANSPORT OF SEWAGE

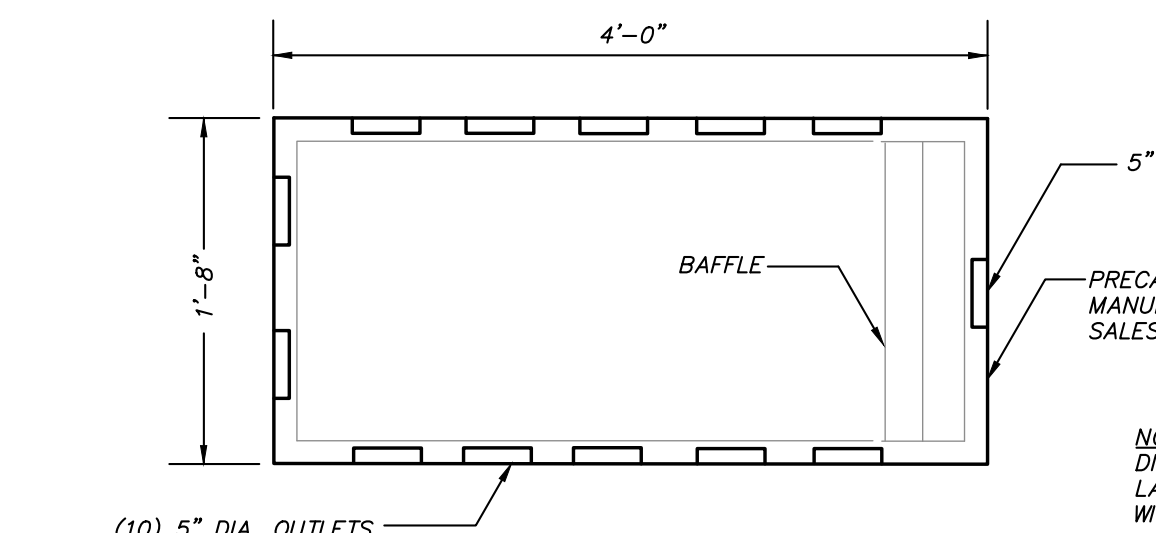
- A. Hydrostatic Pressure and Leakage Test**
- Test pressure shall be as scheduled or, where no pressure is scheduled, shall be 100 psi.
  - Test pressure shall be held on the piping for a period of at least 30 minutes, unless a longer period is requested by the Engineer.
    - At the completion of the test, the pressure shall be released at the furthestmost point from the point of application.
  - All exposed piping shall be examined during the test and all leaks, defective material or joints shall be repaired or replaced before repeating the tests.
  - The allowable leakage for forcemain pressure pipelines shall not exceed 0.5 gallons per 1,000 LF of pipe for any 30-minute period.
  - Regardless of the above allowables, any visible leaks shall be permanently stopped.
  - The test medium shall be water.



- NOTES:**
- PROVIDE 2' OF SOLID PIPE AT THE BEGINNING OF EVERY TRENCH.
  - PROVIDE END CAPS AT THE END OF EACH ABSORPTION TRENCH.
  - THE SLOPE OF THE PERFORATED PIPES SHALL BE BETWEEN A MINIMUM OF 1/32"/FT AND A MAXIMUM OF 1/16"/FT. UNLESS THE TRENCHES ARE DOSED BY PUMPING OR BY A DOSING TANK, DOSED TRENCHES SHALL BE LEVEL.

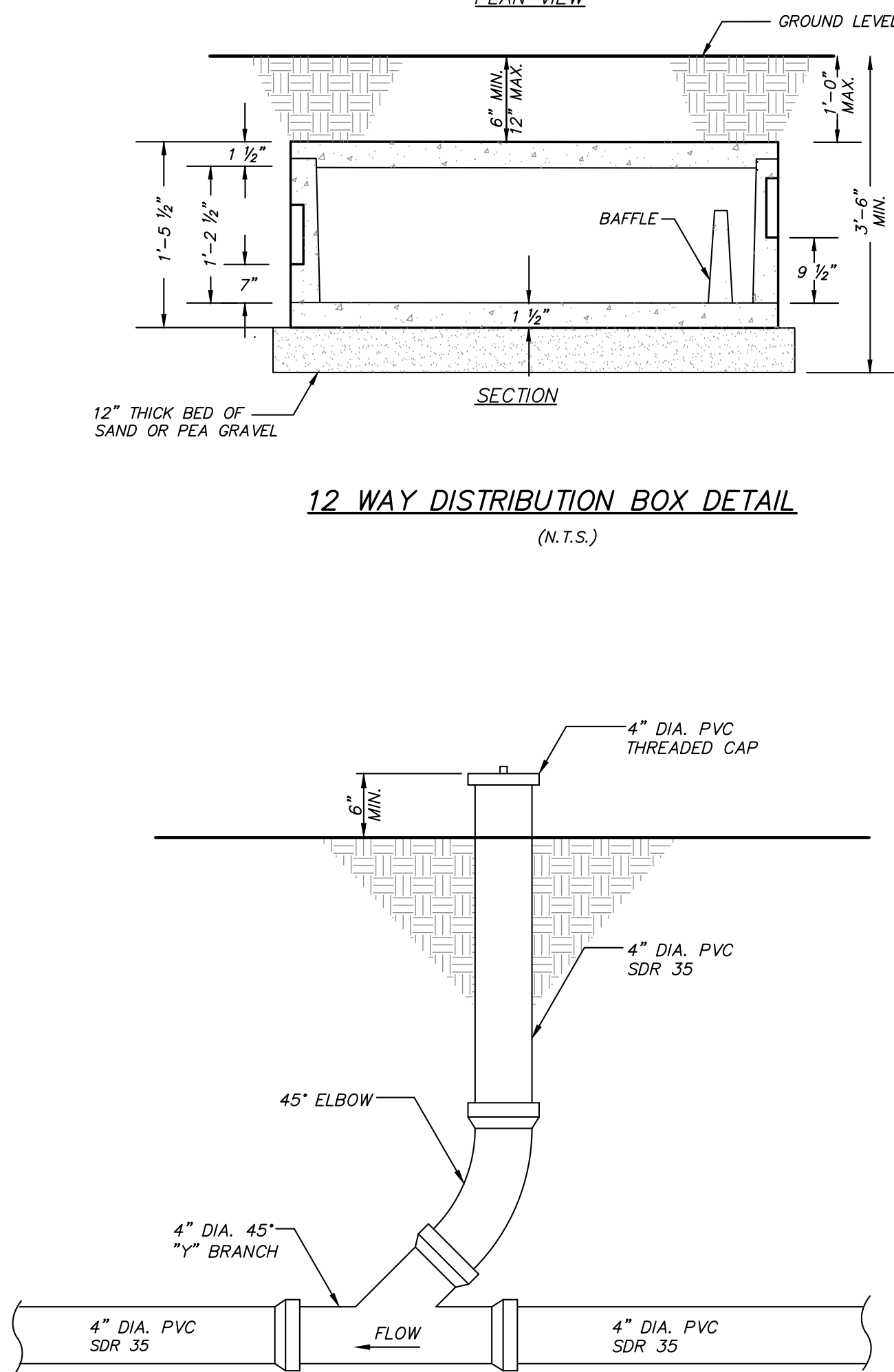
ABSORPTION TRENCH DETAIL

(N.T.S.)



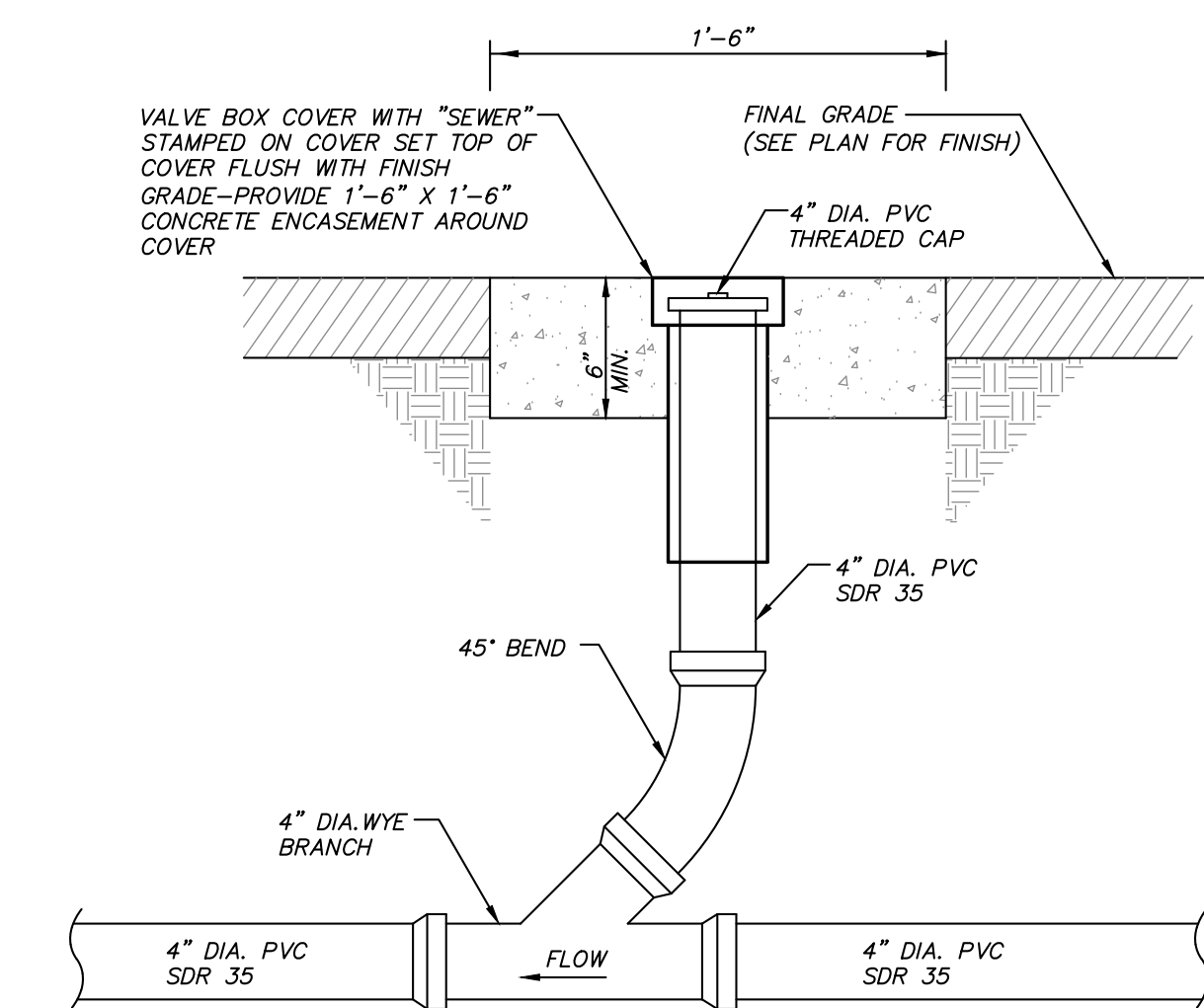
12 WAY DISTRIBUTION BOX DETAIL

(N.T.S.)



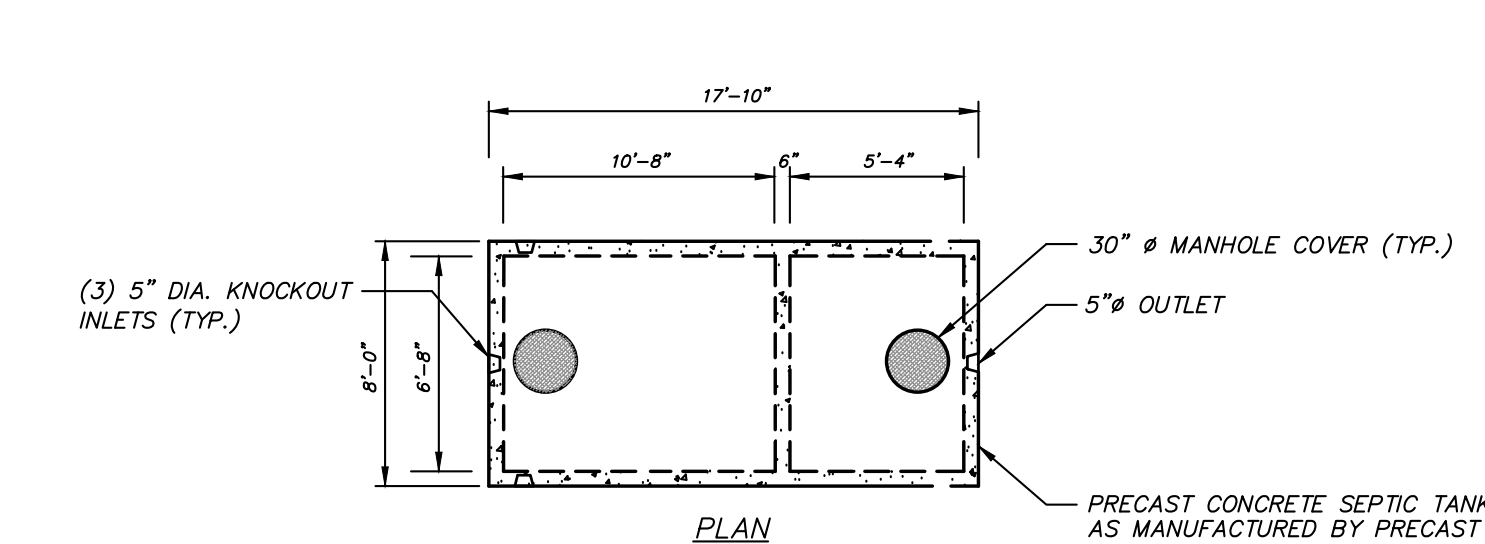
SEWER LINE CLEANOUT IN LAWN DETAIL

(N.T.S.)



SEWER LINE CLEANOUT IN PAVEMENT DETAIL

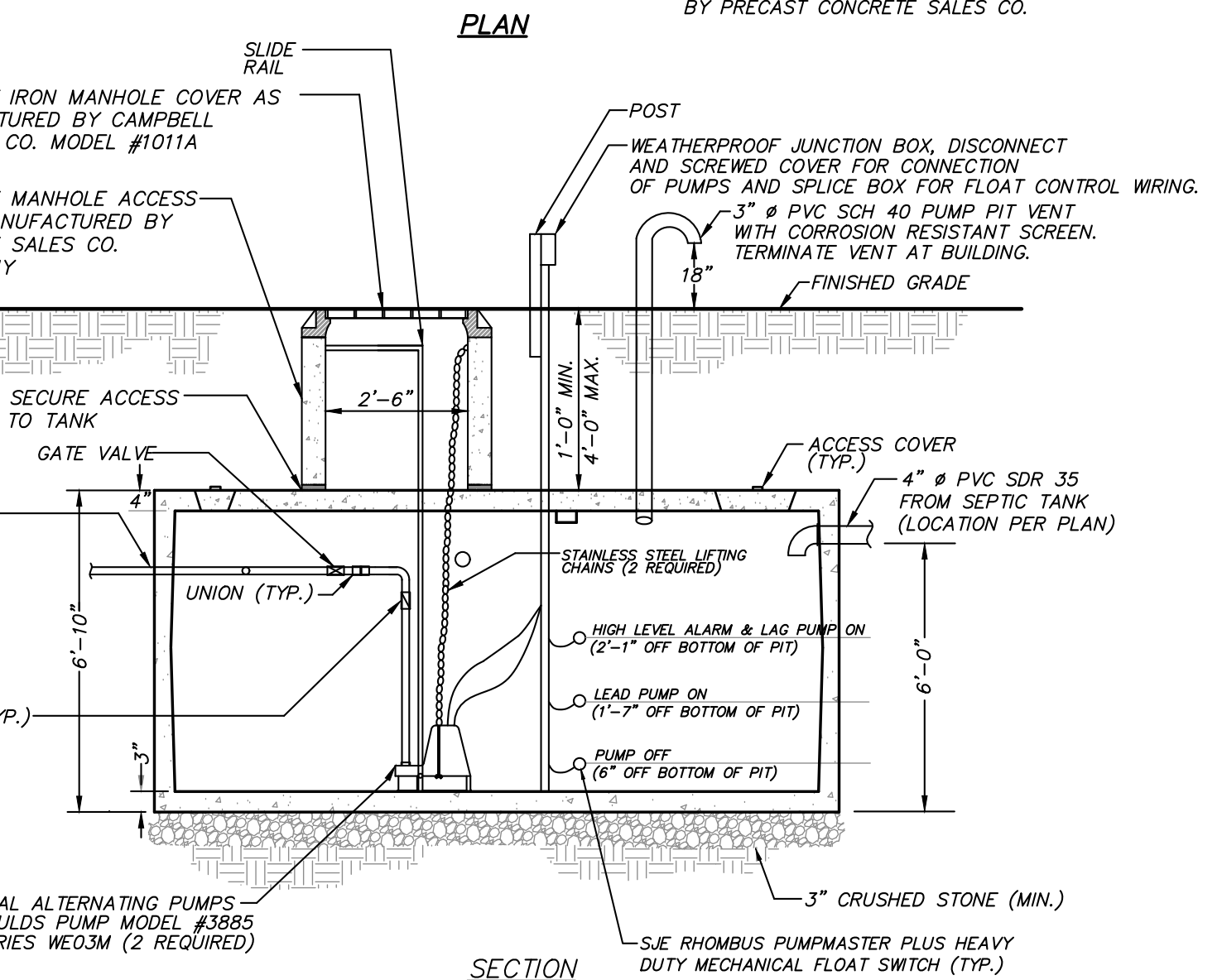
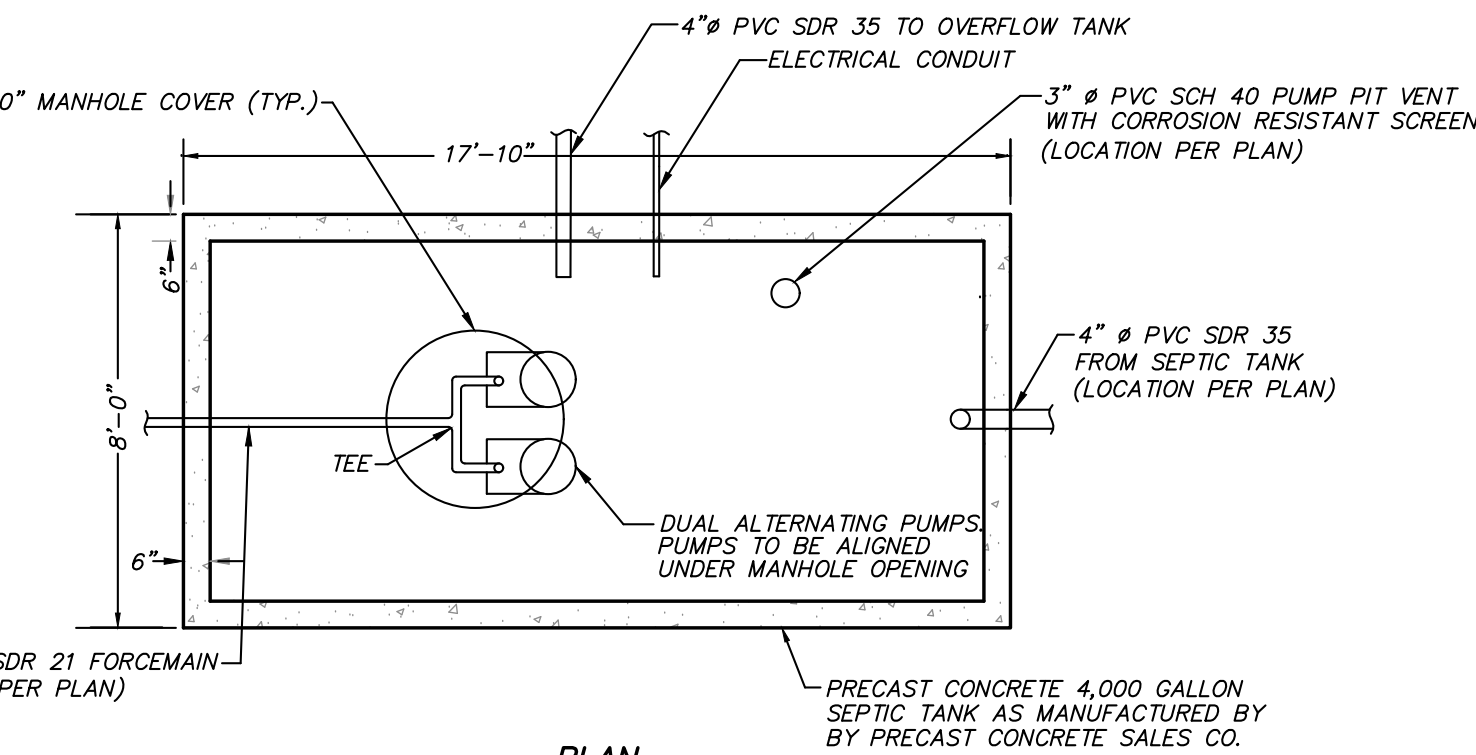
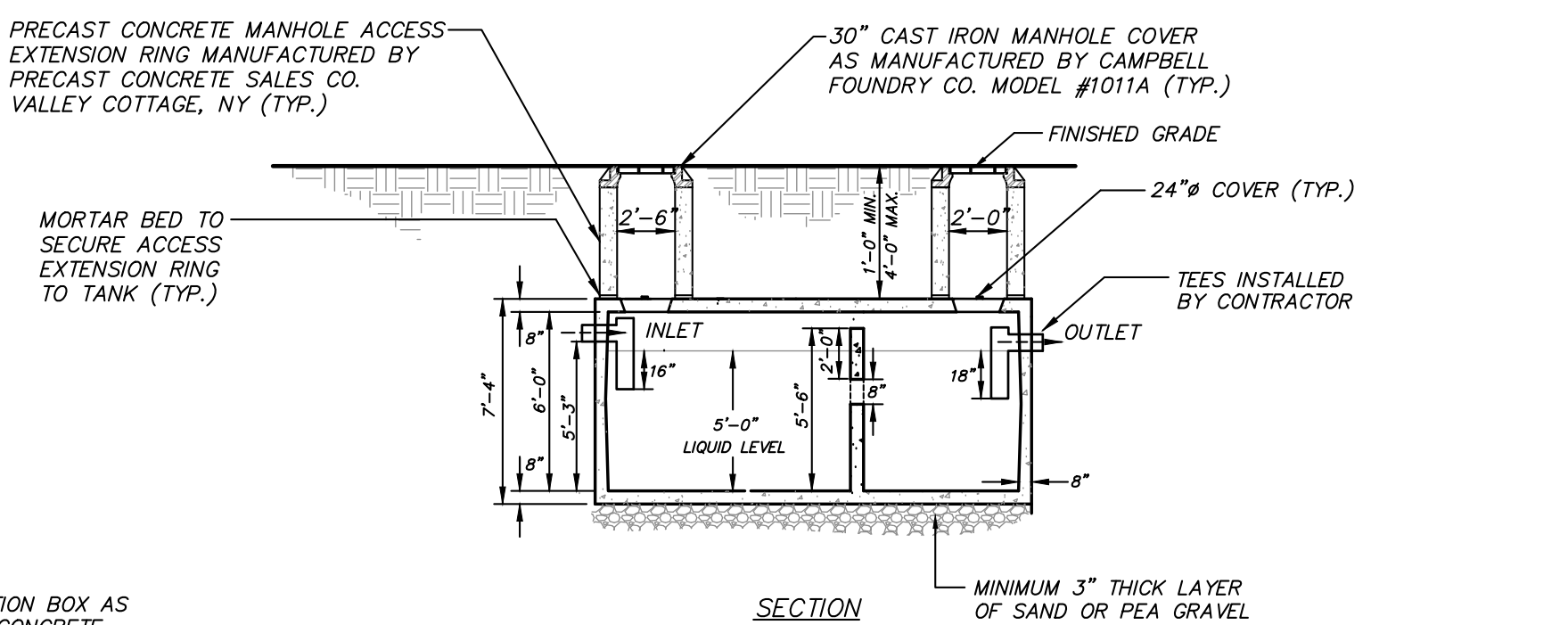
(N.T.S.)



4000 GALLON SEPTIC TANK DETAIL

(TO BE DESIGNED FOR H-20 LOADING)

(N.T.S.)

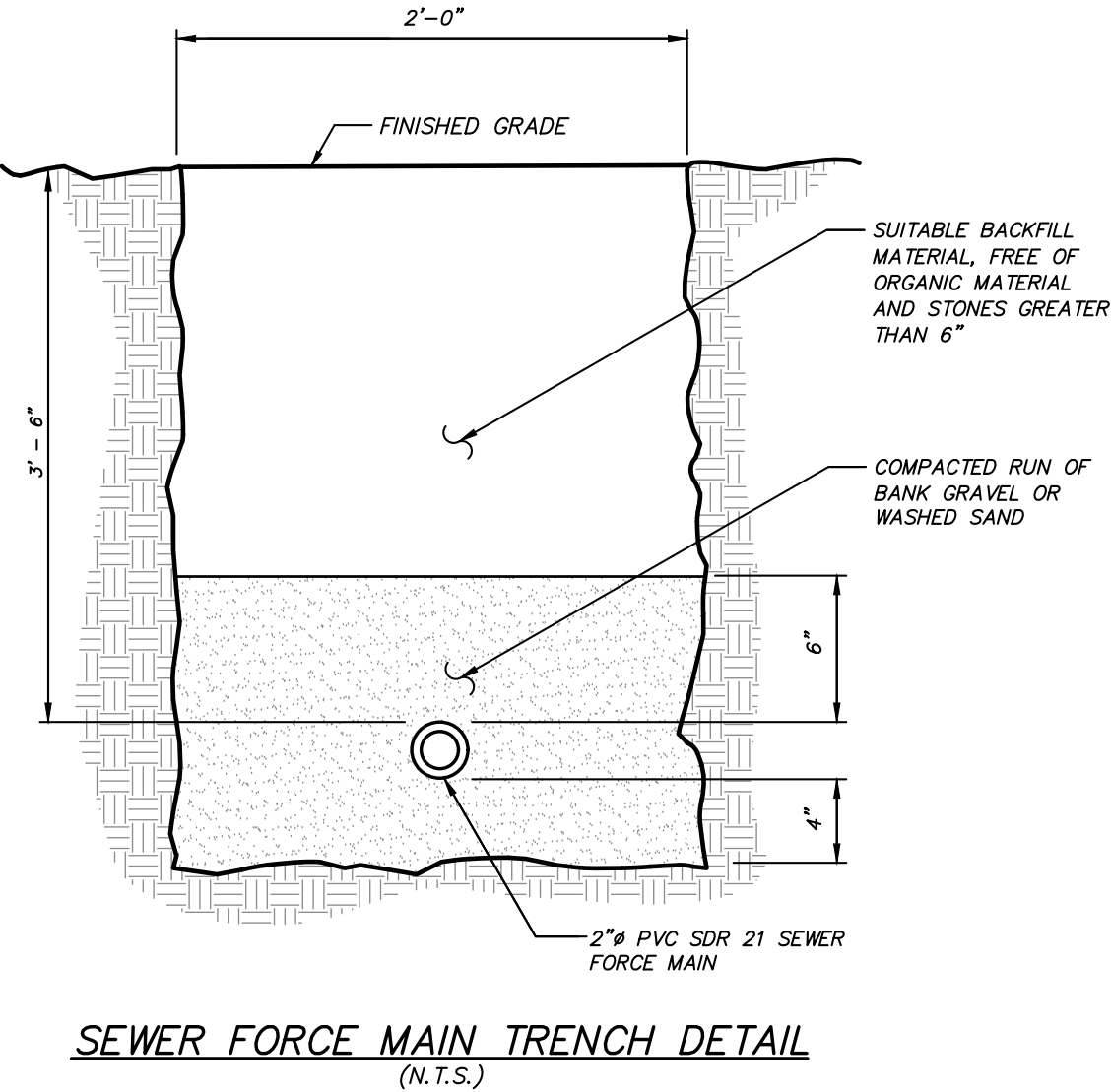


4,000 GALLON DUAL ALTERNATING PUMP PIT DETAIL

(TO BE H-20 LOADING)

(N.T.S.)

- PUMP PIT NOTES:**
- PUMP CONTROL PANEL AND AUDIO/VISUAL ALARM SHALL BE LOCATED INSIDE THE BUILDING.
  - ALL ELECTRICAL WORK AND MATERIAL TO COMPLY WITH THE NATIONAL ELECTRICAL CODE REQUIREMENTS FOR CLASS I GROUP 0, DIVISION 1 LOCATIONS.
  - ALL MODEL NUMBERS SPECIFIED ARE FROM GOULDS PUMPS, INC., SENECA FALLS, NEW YORK. CAN ONLY BE SUBSTITUTED WITH APPROVAL FROM DESIGN ENGINEER.
  - AN ELECTRICAL UNDERWRITER'S CERTIFICATE FOR THE PUMP CHAMBER COMPONENTS MUST BE PROVIDED TO THE COUNTY DEPARTMENT OF HEALTH AS A PART OF THE CONSTRUCTION COMPLIANCE SUBMISSION PACKAGE.
  - EACH PUMP AND ALARM TO BE CONNECTED TO SEPARATE CIRCUITS.
  - ABSORPTION TRENCH VOLUME =  $1,760 \text{ LF} \times \frac{11.42}{4} \times \frac{7.48 \text{ GAL}}{\text{CF}} = 1,149 \text{ GALLONS}$   
- PROPOSED DOSE VOLUME = 904 GALLONS (79% OF PIPE VOLUME)  
- VOLUME PER INCH OF DRAW =  $7.0 \text{ FT} \times 16.8 \text{ FT} \times 1 \text{ IN} \times \frac{7.48 \text{ GAL}}{\text{CF}} = 73 \text{ GAL/IN}$   
- VOLUME OF FORCE MAIN =  $274 \text{ LF} \times \frac{11.42}{4} \times \frac{7.48 \text{ GAL}}{\text{CF}} = 45 \text{ GAL}$   
- DOSE DRAW =  $\frac{45 \text{ GAL} + 904 \text{ GAL}}{73 \text{ GAL/IN}} = 13 \text{ IN}$
  - EMERGENCY STORAGE ABOVE HIGH LEVEL ALARM = 44 IN X 73 GAL/IN = 3,212 GALLONS  
3,212 GALLONS OF STORAGE > 2,100 GALLONS OF DESIGN FLOW
  - PUMPS, GATE VALVES AND UNIONS MUST BE LOCATED UNDER MANHOLE OPENING AND BE ACCESSIBLE WITHOUT HAVING TO ENTER THE PUMP PIT.
  - REMOVE ALL BATTLES FROM THE TANK.
  - THE FLOAT SETTINGS NOTED ARE FOR A PUMP PIT WITH THE SPECIFIC DIMENSIONS SHOWN HEREON. CONTACT THE DESIGN ENGINEER FOR THE PROPER FLOAT SETTINGS IF A PUMP PIT WITH DIFFERENT DIMENSIONS IS USED.



SEWER FORCE MAIN TRENCH DETAIL

(N.T.S.)

3	8-26-20	ISSUED FOR CONSTRUCTION	EJP
2	6-25-20	REVISED FOR PCDOH APPROVAL	EJP
1	6-17-20	REVISED PER PCDOH COMMENTS	EJP
NO.	DATE	REVISION	BY
<b>INSITE</b> ENGINEERING, SURVEYING & LANDSCAPE ARCHITECTURE, P.C.			
PROJECT: STATELINE - RESTAURANT DEPOT			
U.S. ROUTE 8, TOWN OF SOUTHEAST, PUTNAM COUNTY, NEW YORK			
DRAWING: DETAILS			
PROJECT NUMBER	20174.100	PROJECT MANAGER	J.J.C.
DATE	5-1-20	DRAWN BY	E.J.P.
SCALE	AS NOTED	CHECKED BY	Z.M.P.
DRAWING NO.	CD-5	SHEET	5
			6