

APPROVED by Planning Board Resolution No. 10-17, dated 03/17/2020.

Owner
CELEBRITY WESTCHESTER REALTY, LLC
5 ANDERSON LANE
GOLDENS BRIDGE, NY 10526

Planning Board Chair
JANET ANDERSEN
79 BOUTON ROAD
SOUTH SALEM, NY 10590

Planning Administrator
CIORDAN CONRAN
79 BOUTON ROAD
SOUTH SALEM, NY 10590

Town Engineer's Certification
JOSEPH CERMELE, P.E.
KSCJ CONSULTING
TOWN CONSULTING ENGINEER

Reviewed for compliance with the Planning Board Resolution No. 10-17 dated 03/17/2020.

- NOTES:
1. GUIDE RAILS SHALL BE CONERY MFG INC., BERS 125-CV OR APPROVED EQUAL.
 2. UNLESS OTHERWISE SPECIFIED, SANITARY SEWER MANHOLES SHALL HAVE LETTERS "SEWER".
 3. MANHOLES SHALL MEET OR EXCEED A.S.T.M. AND O.S.H.A. REQUIREMENTS.
 4. SEE "NOTES PERTAINING TO MANHOLES" UNDER "UTILITY NOTES" ON DRAWING C-901.
 5. AUDIO/VISUAL EMERGENCY ALARM SYSTEM TO BE INSTALLED WITHIN THE SHOWROOM BUILDING.
 6. ALL ELECTRICAL WORK MUST CONFORM TO ALL APPLICABLE LOCAL, STATE, AND NATIONAL ELECTRICAL AND BUILDING CODES.
 7. CONCRETE MINIMUM STRENGTH: 4,000 PSI @ 28 DAYS.
 8. STEEL REINFORCEMENT: 6" x 6" x 10-10 GAUGE STEEL WIRE MESH.
 9. CONSTRUCTION JOINT: SEALED WITH ASPHALT CEMENT OR EQUIVALENT.
 10. GRAVITY LINES SHALL BE PVC SDR-35.
 11. FORCE MAIN SHALL BE PVC SDR-26 160 PSI.
 12. ALL CHECK VALVES AND GATE VALVES SHALL BE BRONZE.
 13. PRECAST CONCRETE STRUCTURES SHALL BE DESIGNED TO ACCOMMODATE AN H-20 DESIGN LOAD. CONCRETE SHALL BE 4,000 PSI MINIMUM 28 DAYS. REINFORCING SHALL BE IN ACCORDANCE WITH ASTM A-82, A-185, A-496 OR A-615 GRADE 60 STEEL.
 14. VISUAL/AUDIO ALARM SHALL BE MOUNTED AT ELECTRICAL CONTROL PANEL (NEMA 4X). THE ALARM SHALL BE LOCKABLE AND VANDAL PROOF.
 15. PUMP STATION MUST COMPLY WITH THE NATIONAL ELECTRICAL CODE FOR CLASS AND GROUP "D" DIVISION, PUMPS AND FLOATS SHALL BE WIRED DIRECTLY INTO THE CONTROL PANEL. NO SPURCS OR JUNCTION BOXES SHALL BE PERMITTED. USE TWO (2) HYDROMATIC SUBMERSIBLE PUMPS, MODEL SHEF50 OR APPROVED EQUAL. THE PUMP SHALL BE RATED 28 GPM AT 51 FEET TOTAL DYNAMIC HEAD. PUMP MOTORS SHALL RATED ½ HP, 3450 RPM, SINGLE PHASE, 230 VOLTS, 60 CYCLE.
 16. DISCONNECT SWITCH SHALL BE INSTALLED IN NEMA 4X, LOCKABLE ENCLOSURE.
 17. CONTROL EQUIPMENT SHALL BE SECURELY MOUNTED ON BUILDING WALL AS DIRECTED BY OWNER'S FIELD REPRESENTATIVE AND SHALL BE WITHIN VIEW OF THE PUMP STATION.
 18. TELEMETRY SYSTEM SHALL BE PROVIDED WITHIN THE ELECTRICAL CONTROL PANEL FOR TRANSMISSION OF EMERGENCY SIGNAL TO THE SHOWROOM BUILDING. EMERGENCY SIGNAL SHALL BE PROVIDED FOR: HIGH WATER ALARM, POWER FAILURE AND PUMP FAILURE. AT A MINIMUM.
 19. MANHOLE IS TO BE BITUMINOUS COATED INSIDE AND OUT.
 20. PROVIDE RUBBER BOOTS FOR ALL PIPES ENTERING AND EXISTING THE MANHOLE.
 21. CONTRACTOR SHALL BE RESPONSIBLE FOR PROPERLY LOCATING OPENINGS IN STRUCTURES TO ACCOMMODATE GRADE AND INSTALLATION OF ALL PIPES AS SHOWN.
 22. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS.
 23. CONTRACTOR SHALL VERIFY SANITARY SEWER SERVICE INVERT FROM THE SHOWROOM BUILDING.

DESIGN NOTES

THE STANDARD ##### CONFIGURATION IS SHOWN.

FOR NJDEP PROJECTS, PLEASE CONTACT YOUR LOCAL CONTECH REPRESENTATIVE FOR APPROVED CONFIGURATIONS.

SITE SPECIFIC DATA REQUIREMENTS				
STRUCTURE ID		WQS_C-2		
WATER QUALITY FLOW RATE (CFS)		0.78		
PEAK FLOW RATE (CFS)		3.31		
RETURN PERIOD OF PEAK FLOW (YRS)		100		
SCREEN APERTURE (2400 OR 4700)		2400		
PIPE DATA:		I.E.	MATERIAL	DIAMETER
INLET PIPE 1		185.00	HOPE	15"
INLET PIPE 2		195.25	HOPE	12"
OUTLET PIPE		195.00	HOPE	15"
RM ELEVATION		199.00		

- GENERAL NOTES:
1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
 2. DIMENSIONS MARKED WITH (1) ARE REFERENCE DIMENSIONS. ACTUAL DIMENSIONS MAY VARY.
 3. FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. www.contechES.com
 4. CDS WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING.
 5. STRUCTURE SHALL MEET AASHTO H20 AND CASTINGS SHALL MEET AASHTO M 300 LOAD RATING, ASSUMING GROUNDWATER ELEVATION AT OR BELOW THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION.
 6. PVC HYDRAULIC SHEAR PLATE IS PLACED ON SHELF AT BOTTOM OF SCREEN CYLINDER. REMOVE AND REPLACE AS NECESSARY DURING MAINTENANCE CLEANING.
- INSTALLATION NOTES:
- A. ANY SUB-BASE BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
 - B. CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE CDS MANHOLE STRUCTURE.
 - C. CONTRACTOR TO ADD JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS, AND ASSEMBLE STRUCTURE.
 - D. CONTRACTOR TO PROVIDE INSTALL AND GROUT PIPES. MATCH PIPE INVERTS WITH ELEVATIONS SHOWN.
 - E. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO ASSURE UNIT IS WATER TIGHT, HOLDING WATER TO FLOWLINE INVERT MINIMUM. IT IS SUGGESTED THAT ALL JOINTS BELOW PIPE INVERTS ARE GROUTED.

WATER QUALITY STRUCTURE WQS C-2 (CDS-4)

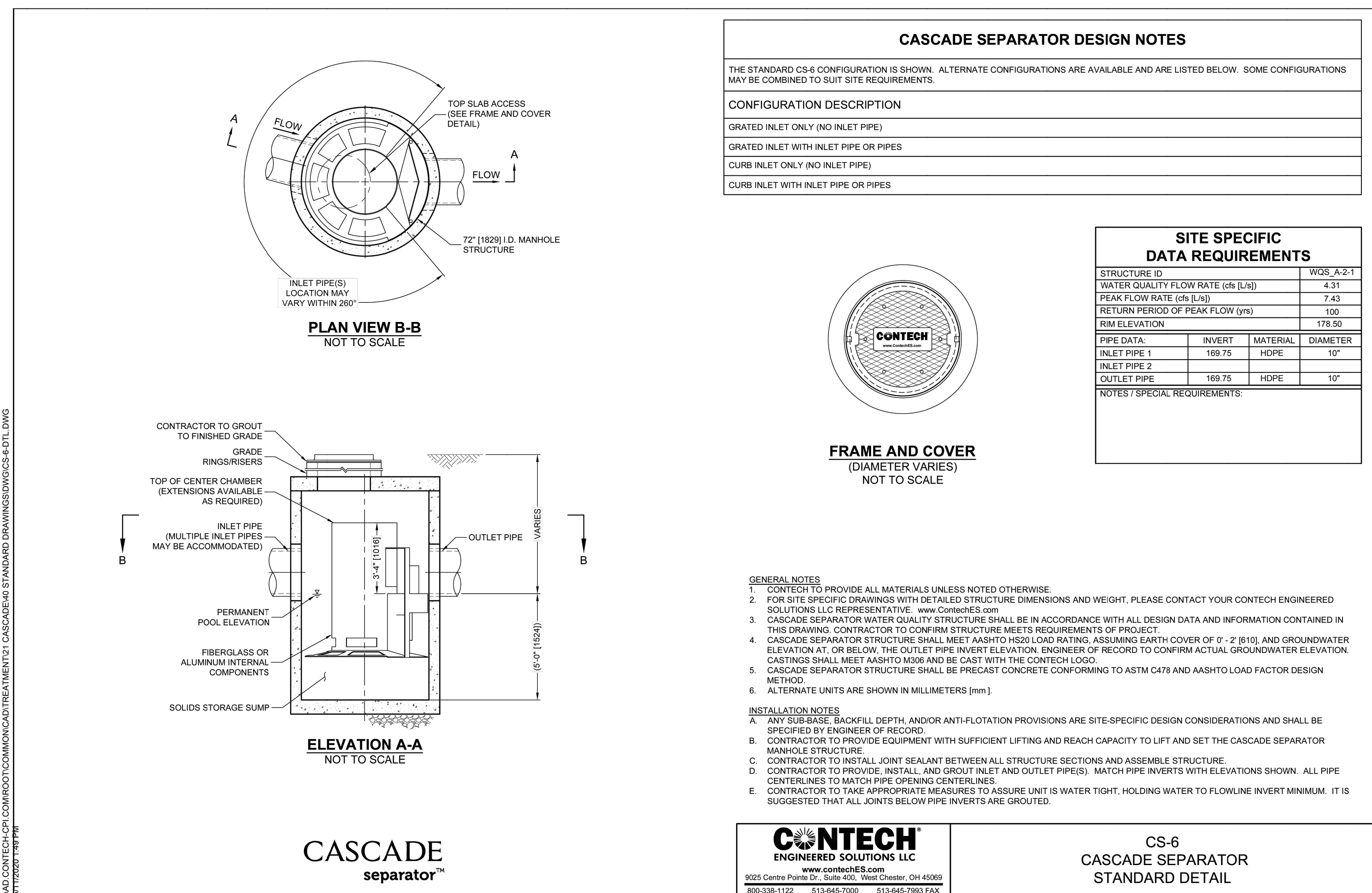
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MANHOLE ACCESS ONTO EXISTING SEPTIC SYSTEM SEEPAGE PITS

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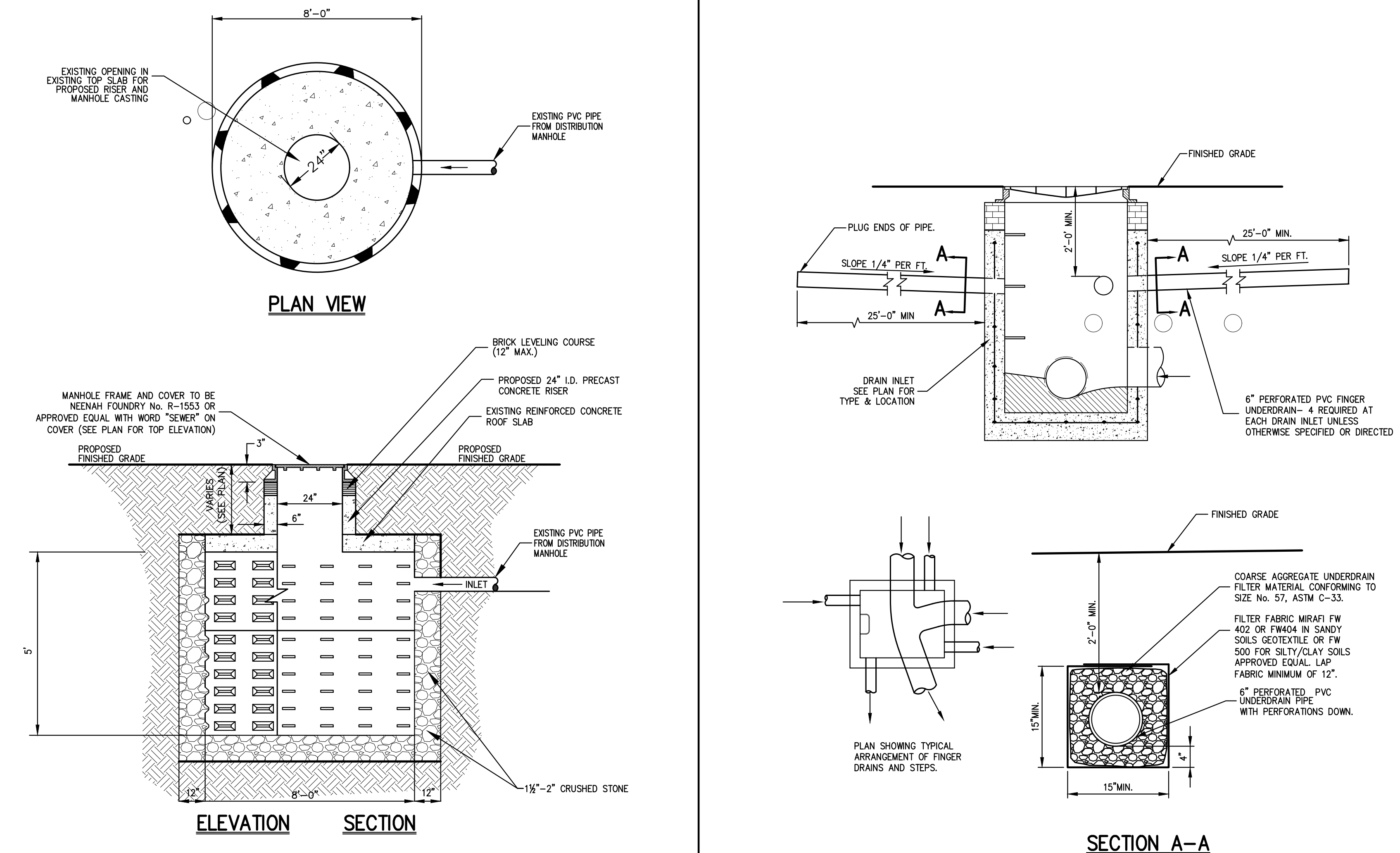
FINGER UNDERDRAIN

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WATER QUALITY STRUCTURE WQS A-2-1 (CS-6)

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CONSTRUCTION DETAILS

MERCEDES BENZ OF GOLDENS BRIDGE

NYS ROUTE 22
TOWN OF LEWISBORO, NY

ANY ALTERATION OF PLANS, SPECIFICATIONS, DETAILS AND REPORTS BEARING THE SEAL OF A LICENSED PROFESSIONAL ENGINEER OR LICENSED LAND SURVEYOR IS A VIOLATION OF SECTION 7209 OF THE NEW YORK STATE EDUCATION LAW, EXCEPT AS PROVIDED FOR BY SECTION 7209, SUBSECTION 2.

Drawn: SS Approved: AN
Scale: NOT TO SCALE
Date: 05/01/2024
Project No: 16124
WQS-02MS C-902
Drawing No:

C-902