

NOTES:
1. PRECAST CONCRETE CATCH BASIN WITH CONCRETE STRENGTH OF 4,000 PSI @ 28 DAYS.
2. THE ENDS OF ALL PIPES SHALL BE CUT OFF FLUSH WITH THE INSIDE SURFACE OF THE CATCH BASIN AND PARGE AROUND.
3. PIPES SHALL BE PARGED AROUND INTERIOR AND EXTERIOR PRIOR TO BACKFILLING OF STRUCTURE. CONNECTIONS MADE WITHIN 10 FEET OF A WATER MAIN (OR SERVICE LINE) OR A SEWER MAIN (OR SERVICE LATERAL) SHALL BE MADE WATER TIGHT.
4. PROVIDE A MINIMUM 0.1% DROP BETWEEN INLET AND OUTLET INVERTS (MATCH CROWNS FOR PIPES WITH DIFFERENT SIZES) UNLESS OTHERWISE NOTED ON THE PLAN.
5. CATCH BASINS WITH AN INTERIOR DEPTH OF 4' AND GREATER SHALL BE FURNISHED WITH STEEL REINFORCED POLYPROPYLENE PLASTIC STEPS AT 12" INTERVALS.
6. HDPE PIPE SHALL BE PROVIDED WITH WATER TIGHT CONNECTIONS. ADS MODEL N12 WT IB OR APPROVED EQUAL.

NOTES:
1. HEAVY DUTY RECTANGULAR STORMWATER INLET GRATE TO BE CAMPBELL FOUNDRY MODEL 2541, OR APPROVED EQUAL.
2. CATCH BASINS TO RECEIVE CURB INLETS ARE: CB 1 AND WQ 1.

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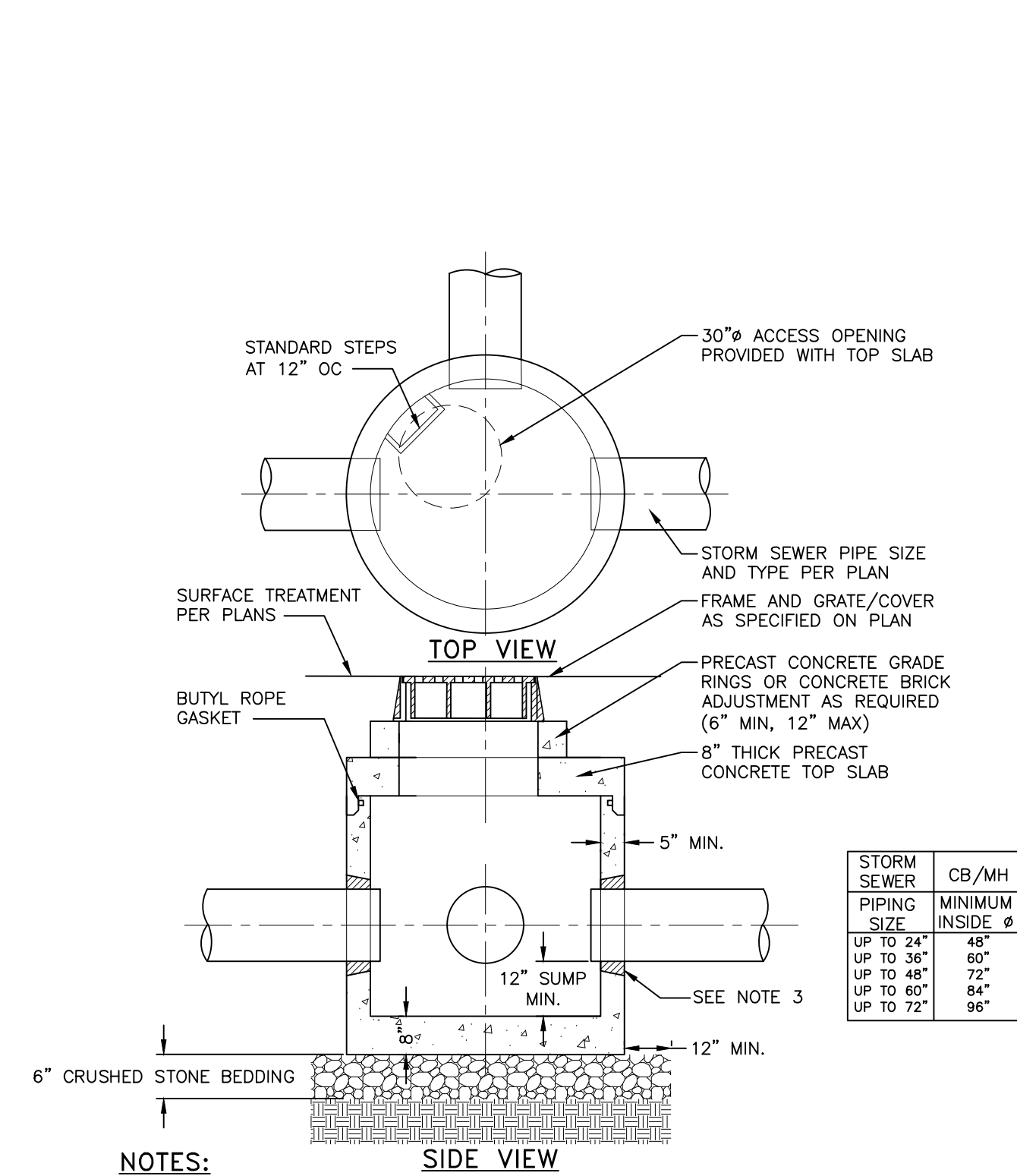
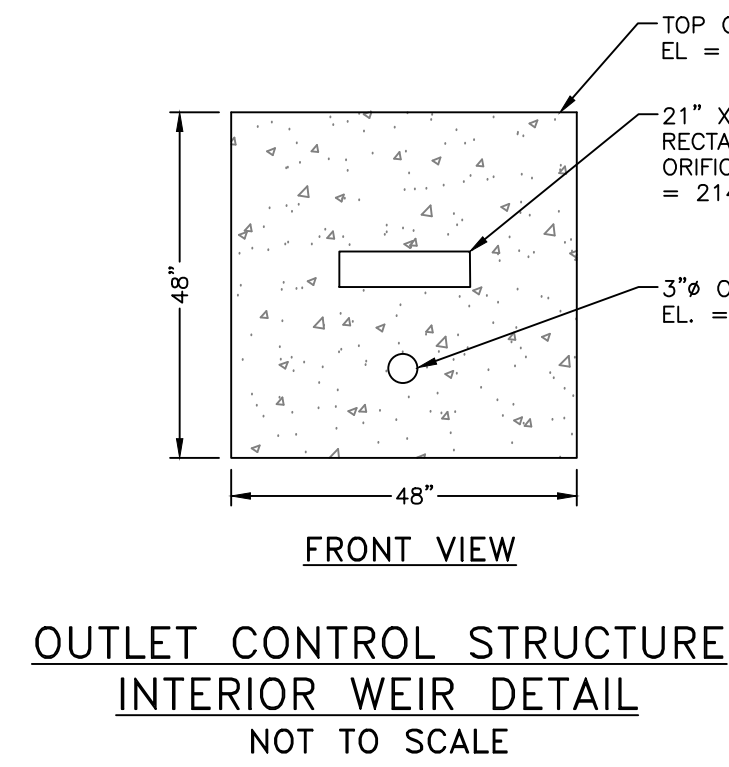
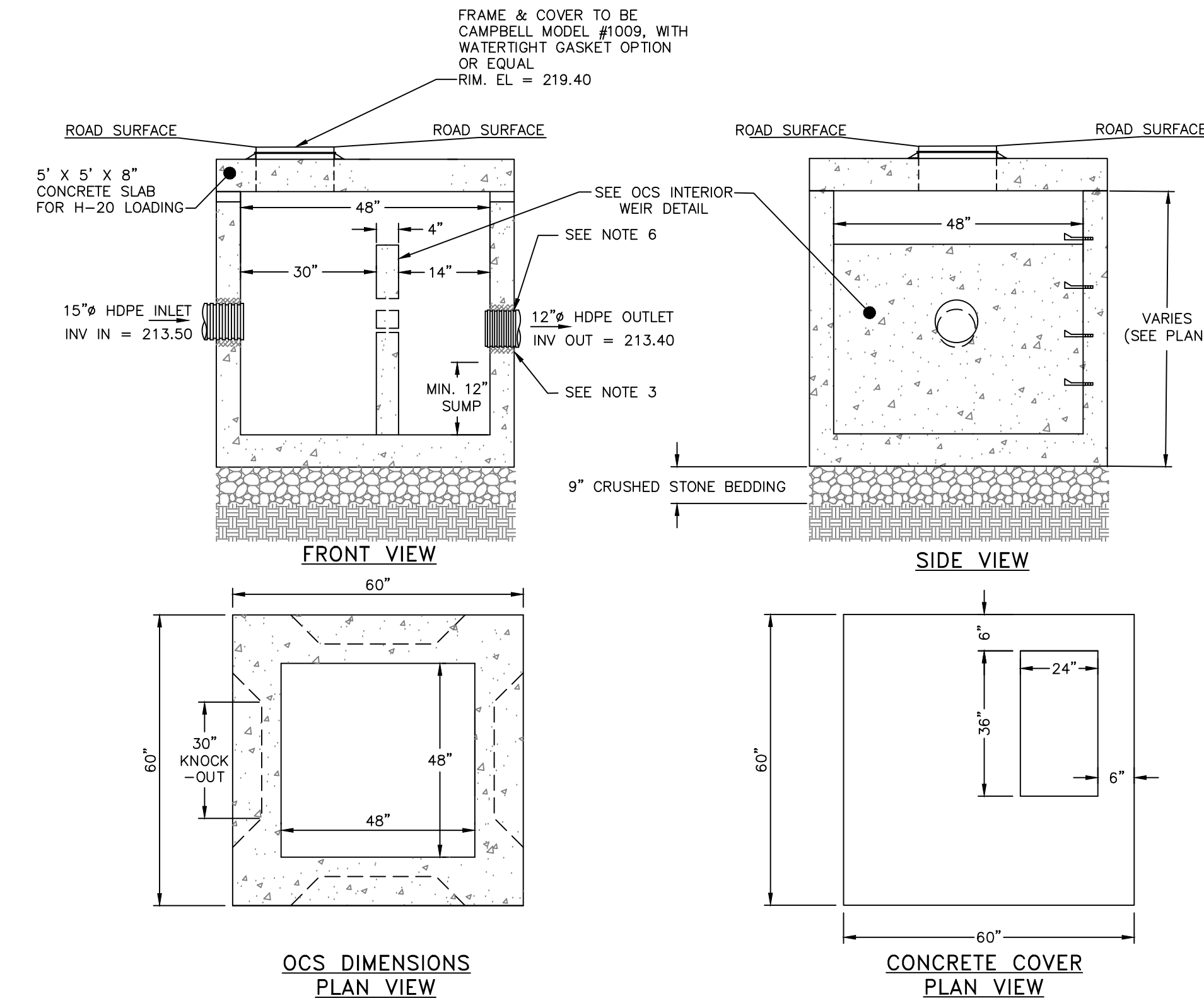
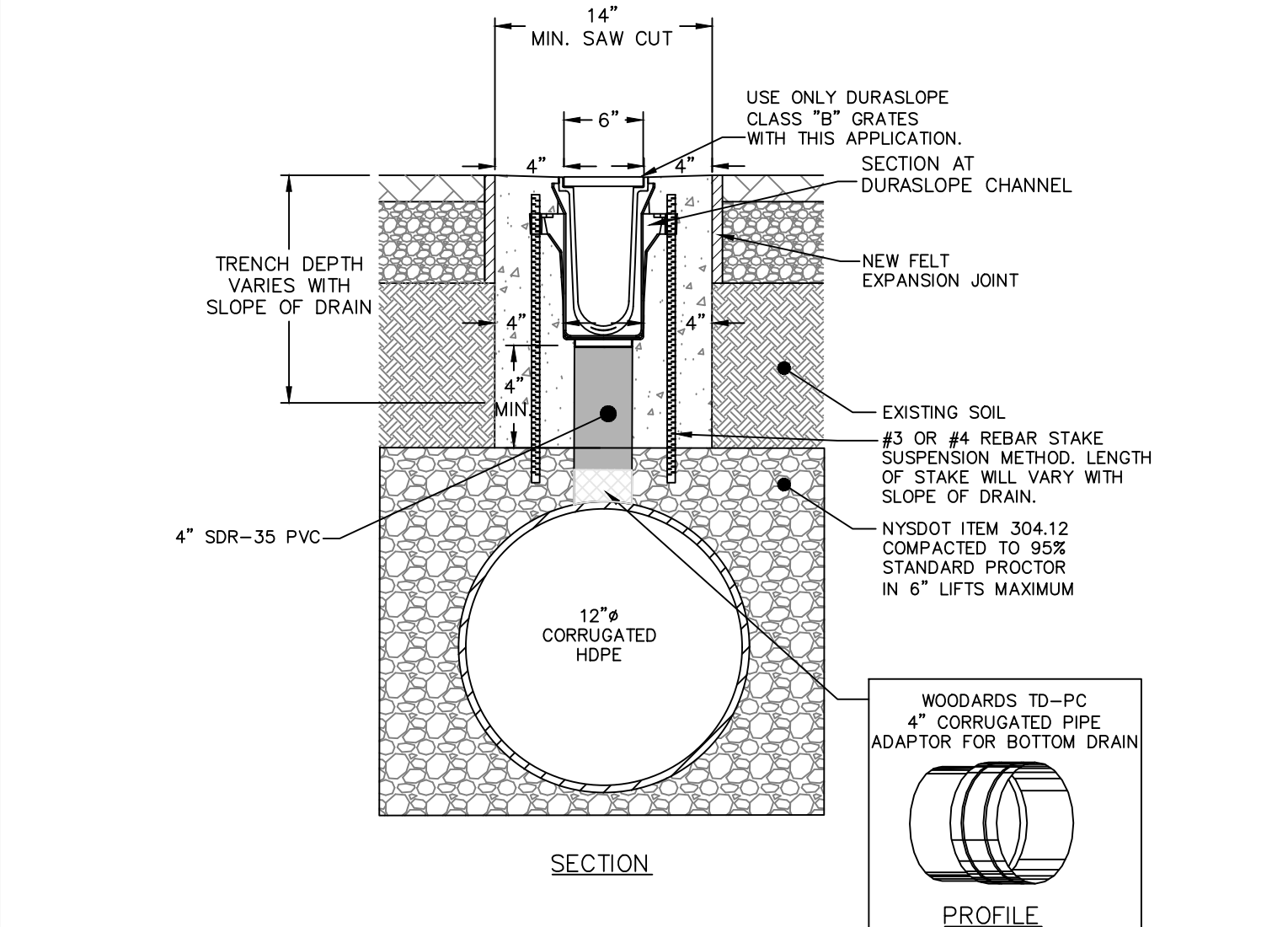
NOTES:
1. EXCAVATION AND TRENCHING SHALL MEET ALL OSHA REQUIREMENTS.

CATCH BASIN DETAIL
NOT TO SCALE

CAST IRON STORMWATER FLAT INLET GRATE DETAIL
NOT TO SCALE

CAST IRON STORMWATER CURB INLET GRATE DETAIL
NOT TO SCALE

STORMWATER PIPE IN TRENCH DETAIL
NOT TO SCALE



NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. TRENCH DRAIN SHALL BE NDS DURA-SLOPE TRENCH DRAIN, CLASS B LOADING, MODEL NUMBER: DS-0911 OR APPROVED EQUAL.
3. PIPE ADAPTOR FOR BOTTOM DRAIN SHALL BE WOODARDS 4" CORRUGATED PIPE ADAPTOR, MODEL NUMBER TO-PC OR APPROVED EQUAL.

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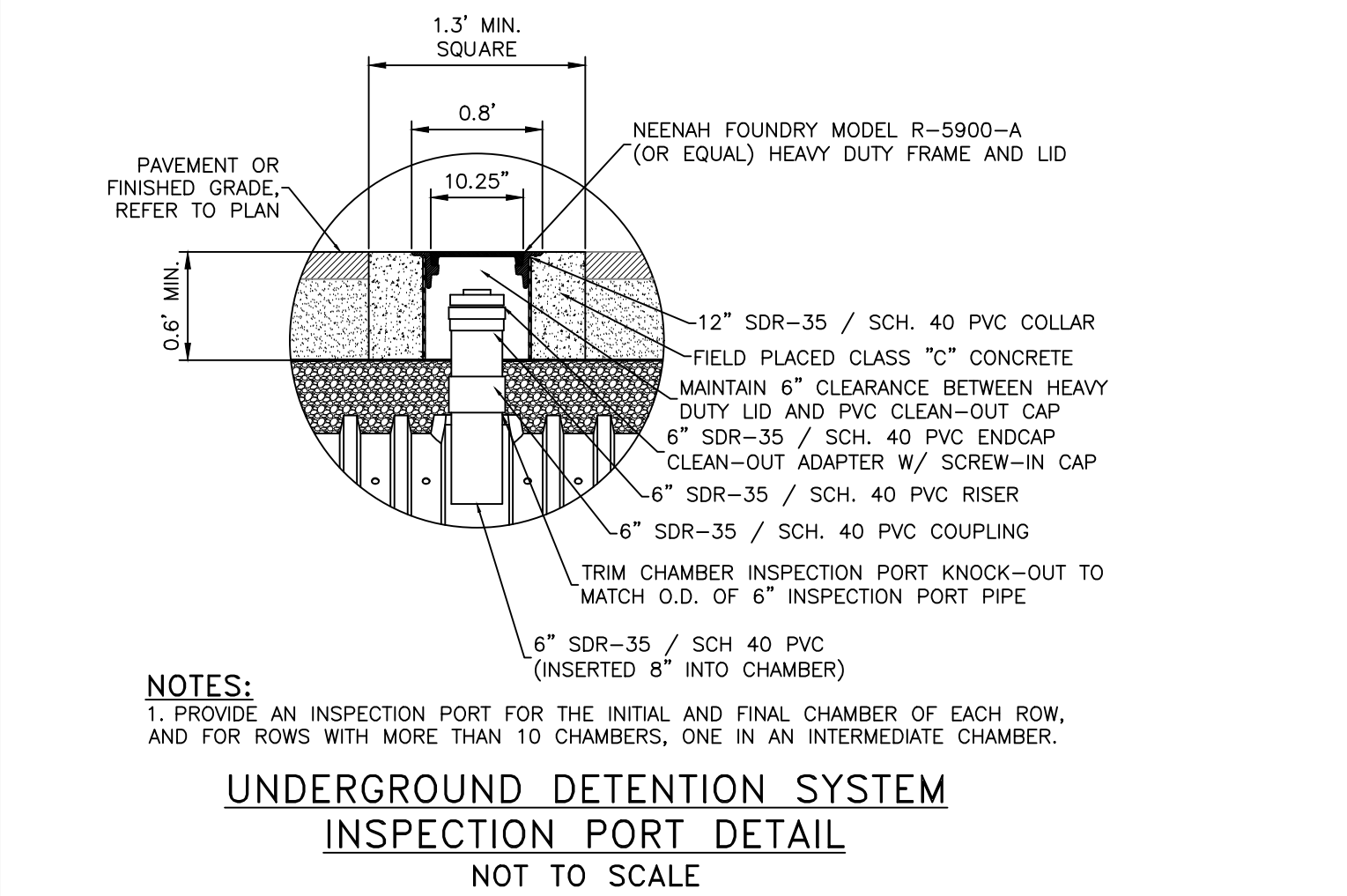
NOTES:
1. PRECAST CONCRETE MANHOLE WITH CONCRETE STRENGTH OF 4,000 PSI @ 28 DAYS.
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3. PIPES SHALL BE PARGED AROUND INTERIOR AND EXTERIOR PRIOR TO BACKFILLING OF STRUCTURE.
4. CONCRETE STRUCTURE AND CASTING SHALL BE RATED FOR H2O TRAFFIC LOADING.
5. INLET FRAME SHALL BE FULLY SUPPORTED ON THE CONCRETE STRUCTURE FOR H2O LOADING.
6. MANHOLES WITH AN INTERIOR DEPTH OF 4' AND GREATER SHALL BE FURNISHED WITH STEEL REINFORCED POLYPROPYLENE PLASTIC STEPS AT 12" INTERVALS.

NDS DURA-SLOPE TRENCH DRAIN WITH CONNECTION TO STORMWATER CONVEYANCE
NOT TO SCALE

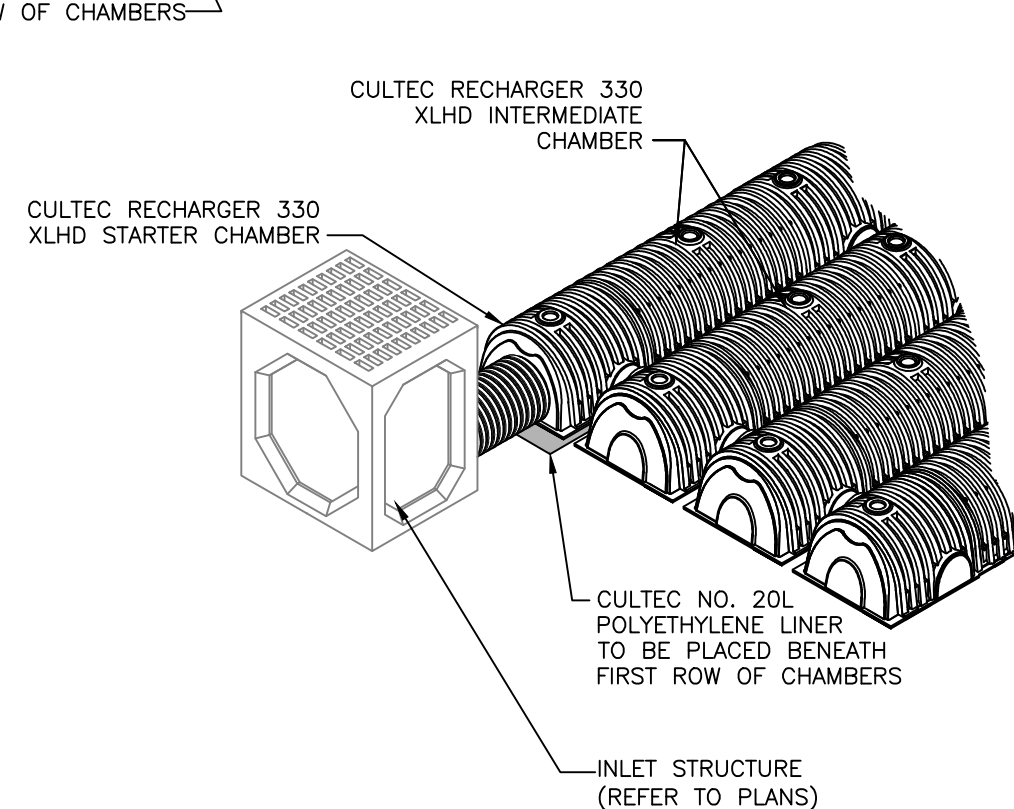
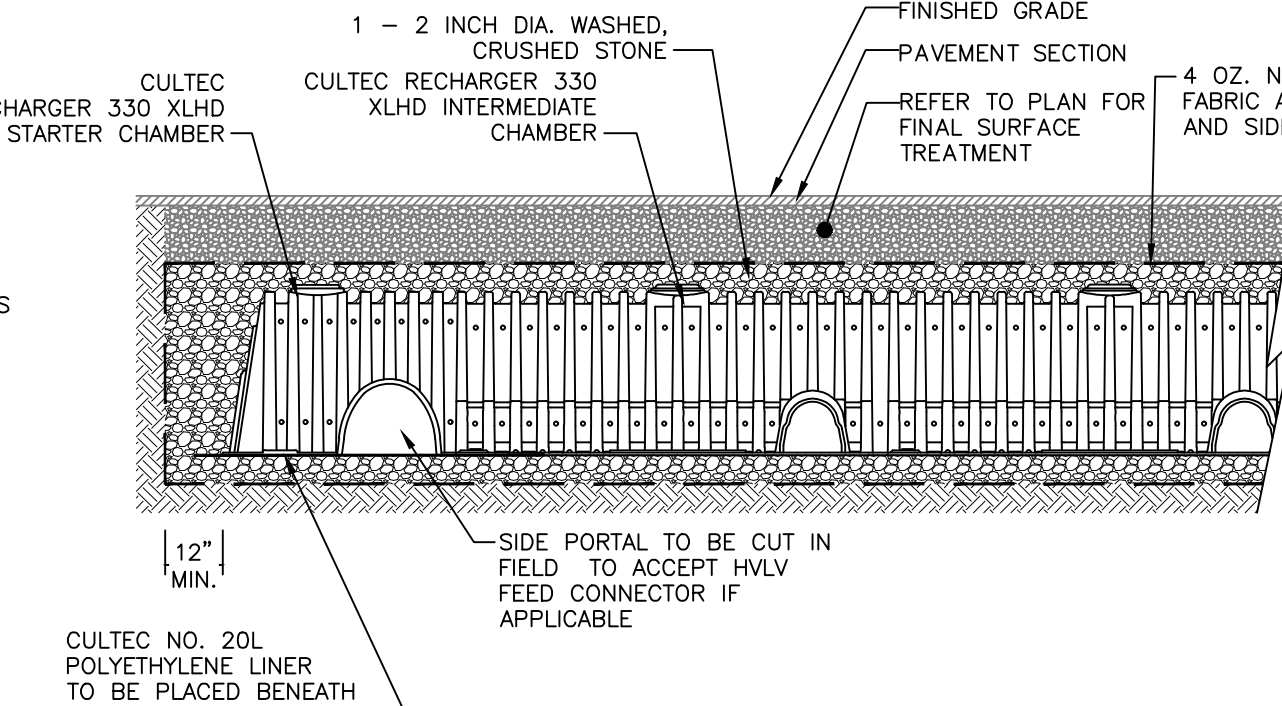
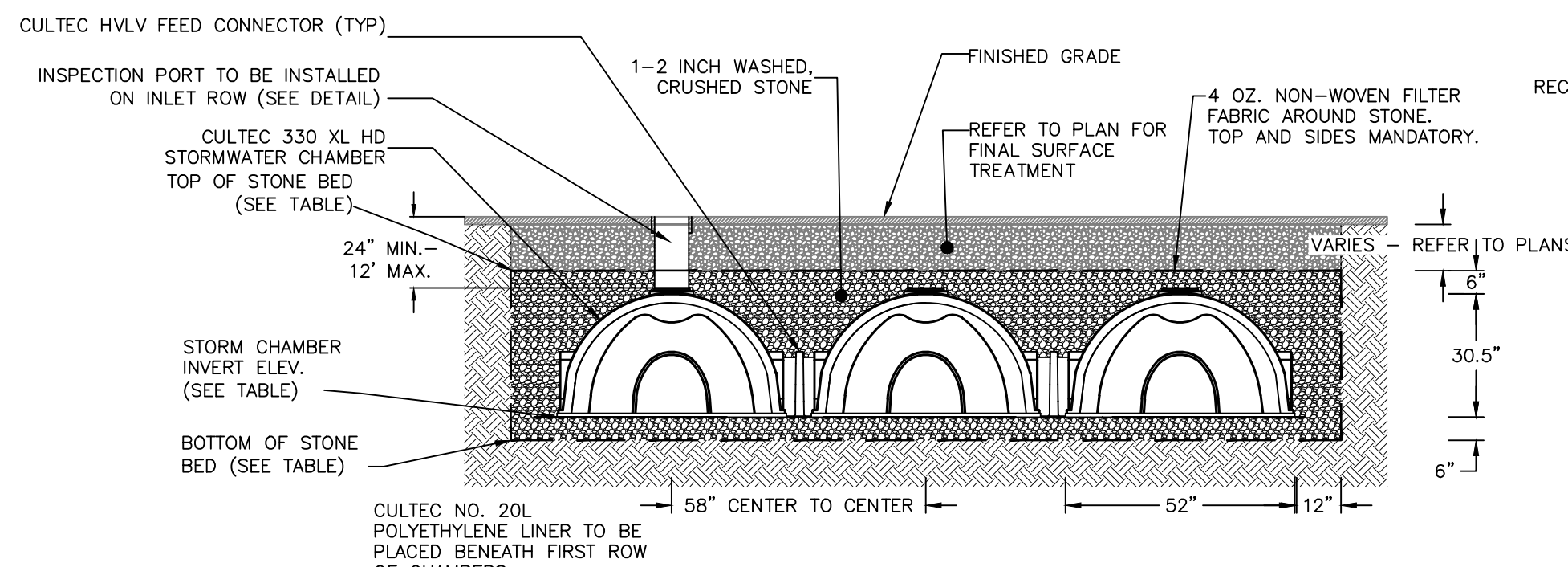
OCS DIMENSIONS
PLAN VIEW

CONCRETE COVER
PLAN VIEW

STORMWATER MANHOLE DETAIL
NOT TO SCALE



UNDERGROUND INFILTRATION CHAMBER OUTLET CONTROL STRUCTURE DETAIL
NOT TO SCALE

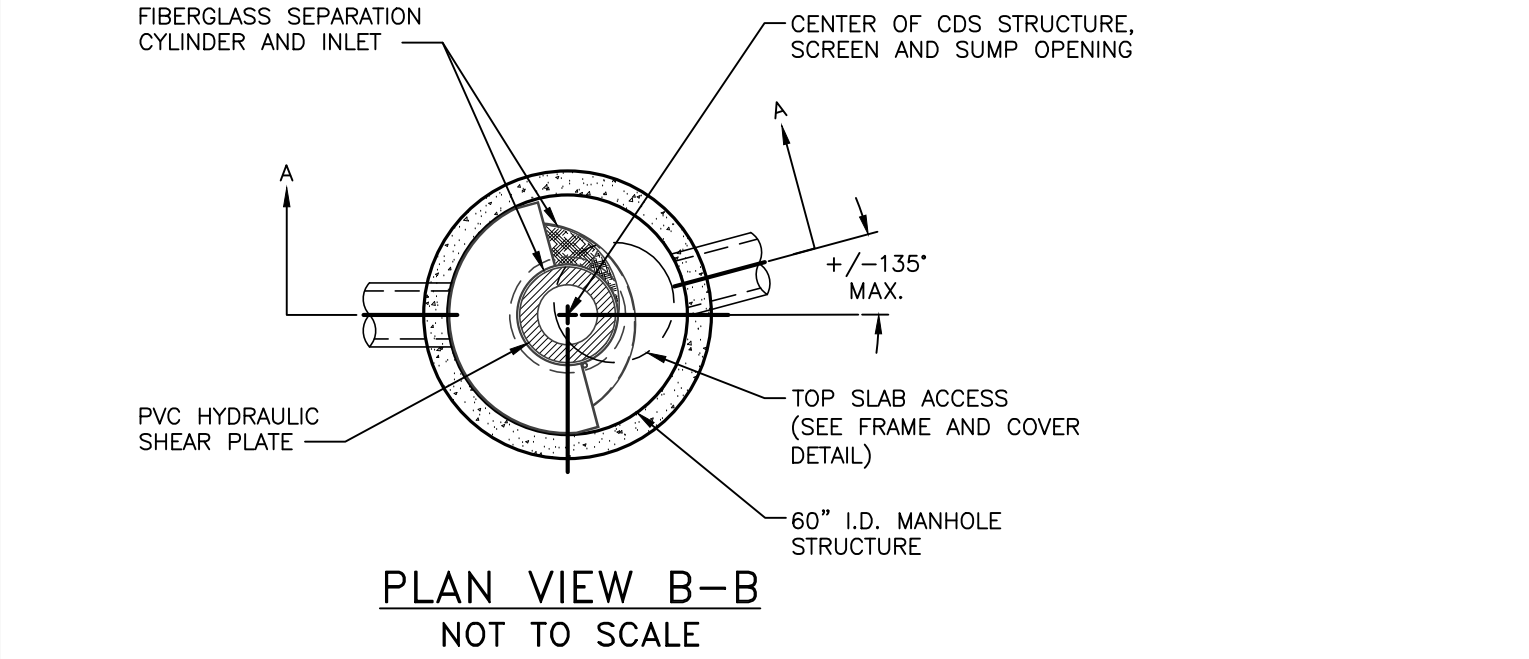


NOTES:
1. PROVIDE AN INSPECTION PORT FOR THE INITIAL AND FINAL CHAMBER OF EACH ROW, AND FOR ROWS WITH MORE THAN 10 CHAMBERS, ONE IN AN INTERMEDIATE CHAMBER.

NOTES:
1. CULTEC RECHARGER 330/HD CHAMBERS BY CULTEC, INC. OF BROOKFIELD, CT. ALL CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH CULTEC INC.'S CURRENT RECOMMENDED INSTALLATION GUIDELINES.
2. THE BED OF THE SYSTEM FOOTPRINT SHALL BE Laid NEARLY LEVEL.
3. EACH ROW OF CHAMBERS SHALL BE FED VIA A 12" MANHOLE WITH TEE CONNECTIONS BY CULTEC OR EQUAL.
4. THE CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER IF SUBSURFACE CONDITIONS IN THE AREAS OF THE INFILTRATOR TRENCHES IS NOT CONSISTENT WITH THE TEST PIT OR PERCOLATION DATA (E.G. GROUNDWATER OR BEDROCK ENCOUNTERED, SOIL PROPERTIES ARE NOT CONSISTENT, ETC.).
5. REFER TO THE INSPECTION SCHEDULE & LONG TERM MAINTENANCE OF STORMWATER STRUCTURES NOTES ON THE UTILITY SHEET.

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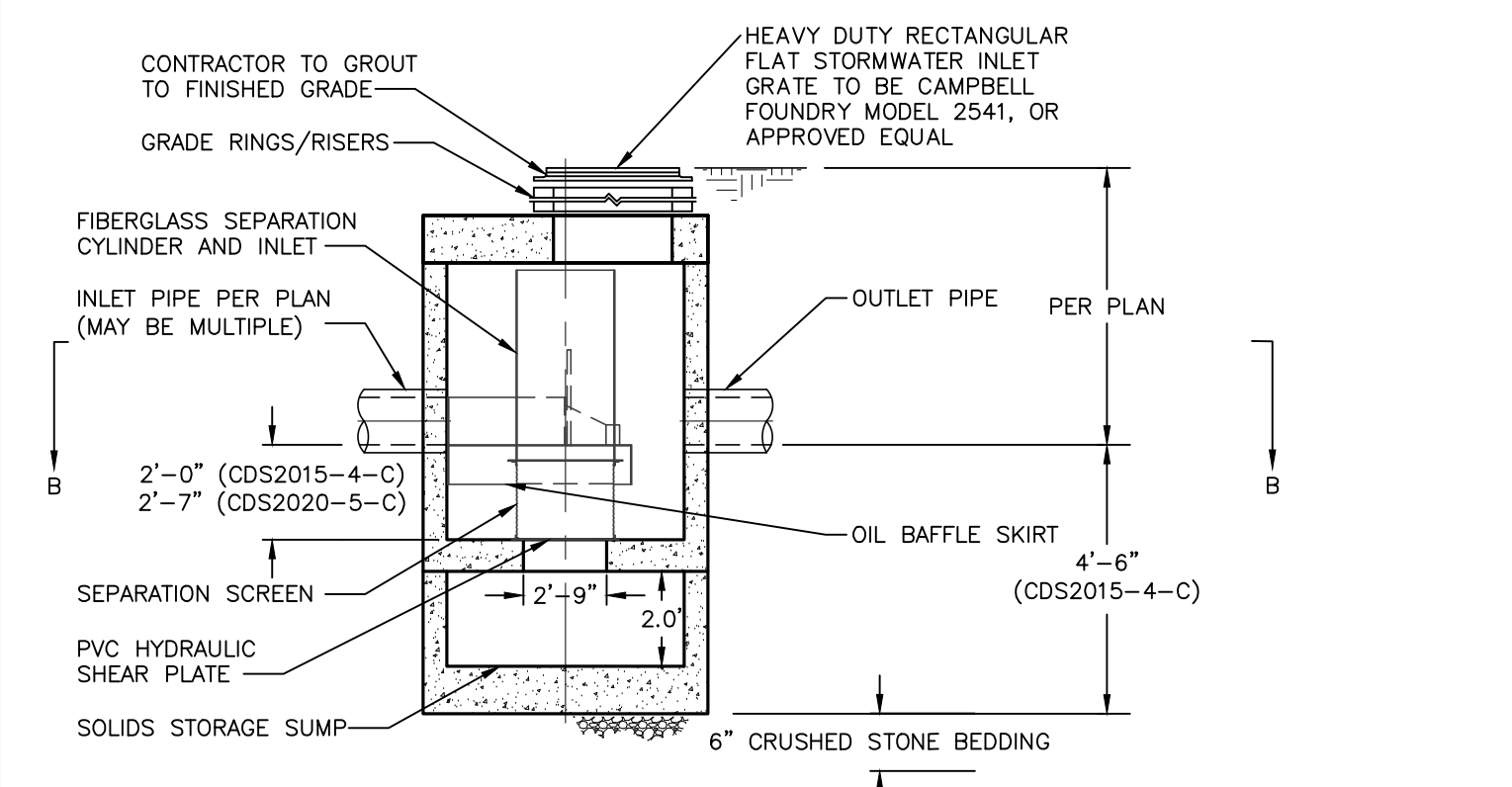
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UNDERGROUND DETENTION SYSTEM DETAIL
NOT TO SCALE

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NOT TO SCALE

NOTES:
1. STORMWATER TREATMENT SYSTEM (SWTS) SHALL BE DESIGNED TO MEET PERFORMANCE GOALS BASED ON FULL SCALE LABORATORY PERFORMANCE DATA.
2. SWTS SHALL BE DESIGNED TO RETAIN FLOATABLES AND TRAPPED SEDIMENT AT FLOW RATES UP TO AND INCLUDING PEAK TREATMENT CAPACITY.
3. SWTS INVERTS IN AND OUT SHALL BE AT THE SAME ELEVATION.
4. SWTS SHALL NOT BE COMPROMISED BY EFFECTS OF DOWNSTREAM TAILWATER.
5. SWTS SHALL HAVE NO INTERNAL COMPONENTS THAT OBSTRUCT MAINTENANCE ACCESS.
6. PIPE ORIENTATION MAY VARY: SEE SITE PLAN FOR SIZE AND LOCATION.
7. PURCHASER SHALL NOT BE RESPONSIBLE FOR ASSEMBLY OF INTERNAL COMPONENTS.
8. ONE MANHOLE FRAME AND COVER SUPPLIED WITH SYSTEM, NOT INSTALLED.
9. PURCHASER TO PREPARE EXCAVATION AND PROVIDE LIFTING EQUIPMENT.
10. STRUCTURE SHALL MEET ASHITO H200 AND CASTINGS SHALL MEET ASHITO M306 LOAD RATING, ASSUMING GROUNDWATER AT, OR BELOW THE OUTLET PIPE INVERT ELEVATION.
11. PVC HYDRAULIC SHEAR PLATE IS PLACED ON SHELF AT BOTTOM OF SCREEN CYLINDER. REMOVE AND REFUSE AS NECESSARY DURING MAINTENANCE, CLEANING.
12. SEE UTILITY PLAN FOR PIPE ORIENTATION, INVERTS AND SIZES.

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CDS@ PRE-TREATMENT UNIT DETAIL
NOT TO SCALE

UNDERGROUND DETENTION SYSTEM DETAIL
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