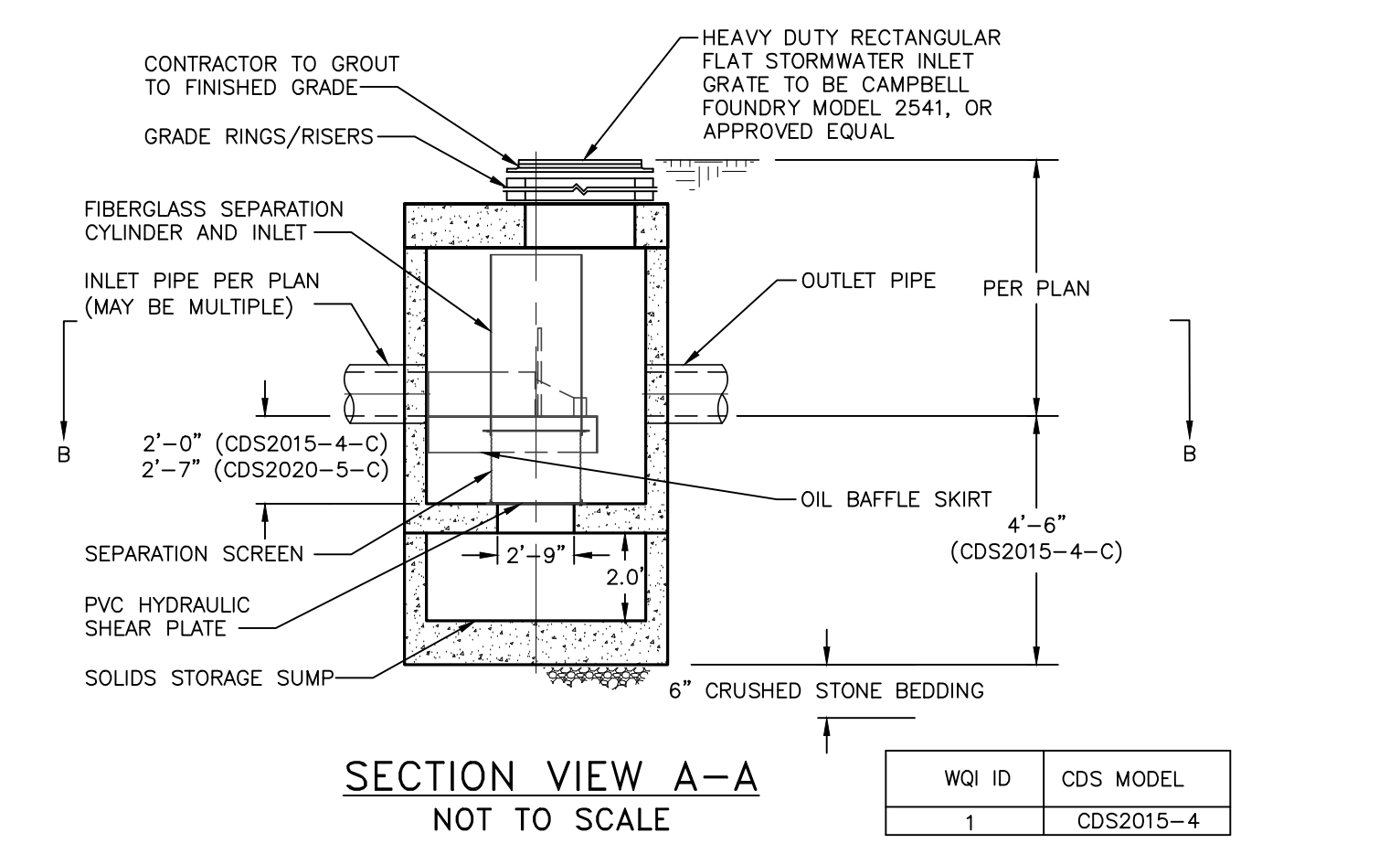
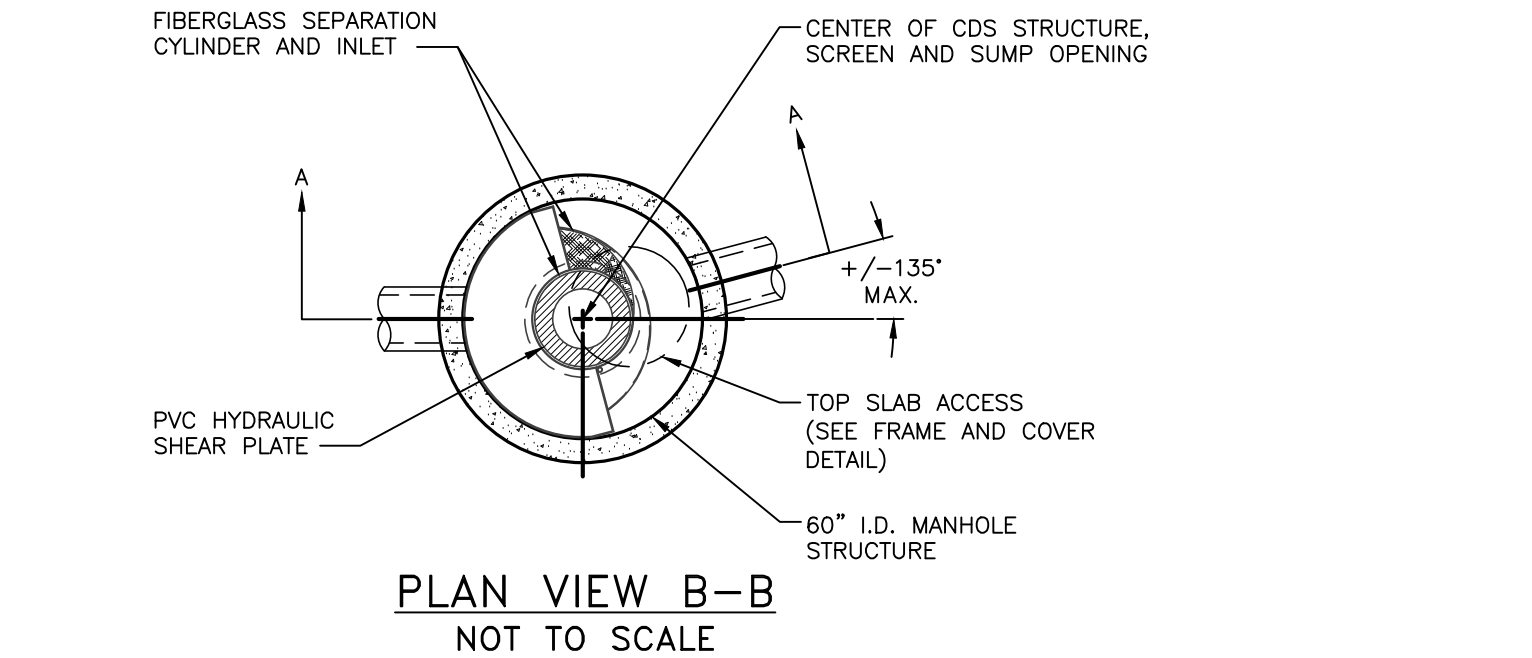


CATCH BASIN DETAIL
NOT TO SCALE

NOTES:

1. PRECAST CONCRETE CATCH BASIN WITH CONCRETE STRENGTH OF 4,000 PSI @ 28 DAYS.
2. THE PIGS OF ALL PIPES SHALL BE CUT OFF FLUSH WITH THE INSIDE SURFACE OF THE CATCH BASIN AND PARDED AROUND.
3. PIPES SHALL BE PARDED 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. HOPE PIPE SHALL BE PROVIDED WITH WATER TIGHT CONNECTIONS. ADD MODEL N12 WT 1B OR APPROVED EQUAL.

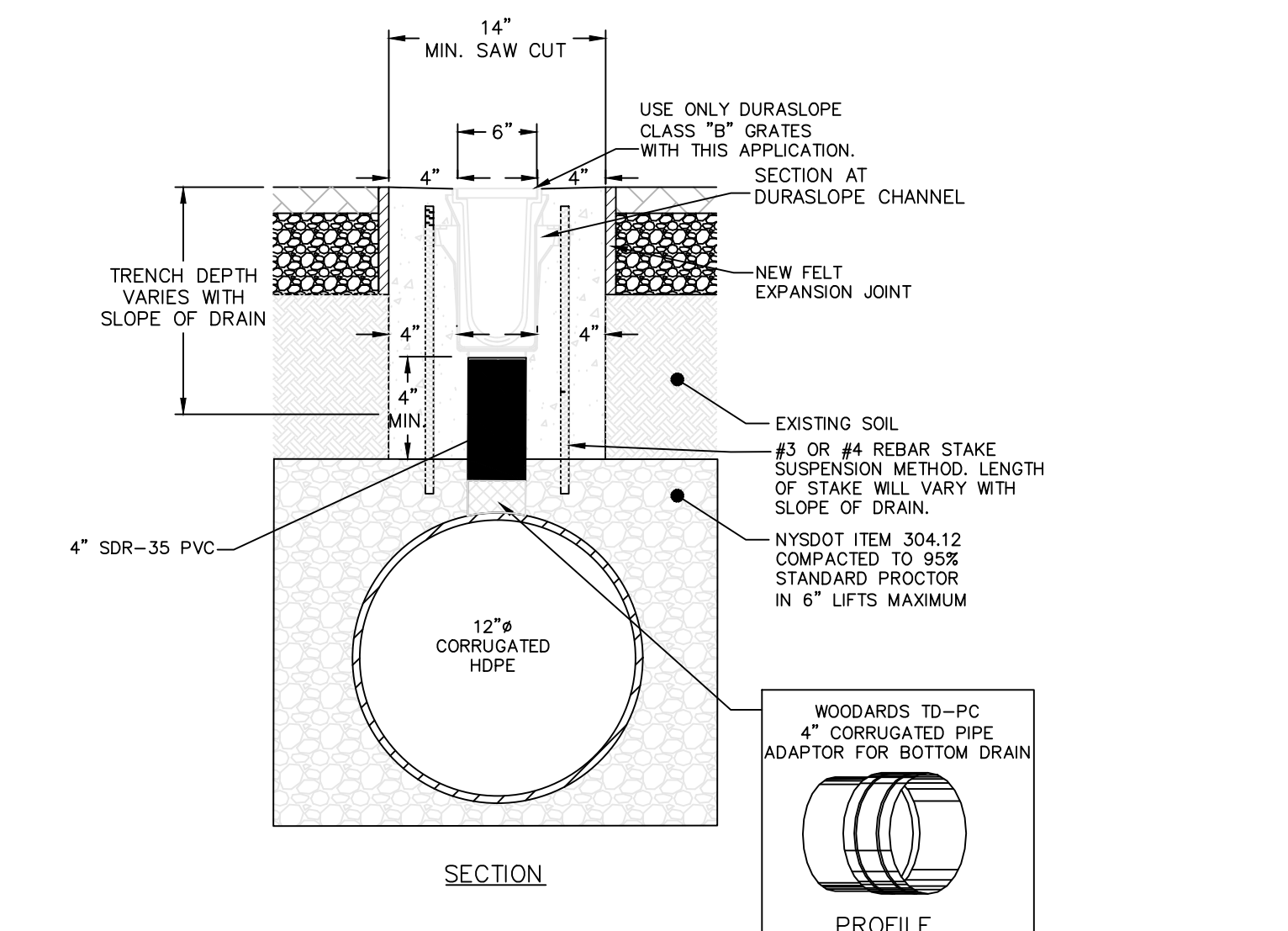
CATCH BASIN DETAIL
NOT TO SCALE



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 DOWNSIDE 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 AASHTO H2020 AND CASTINGS SHALL MEET AASHTO M306 LOAD RATING, ASSUMING GROUNDWATER AT, OR BELOW THE OUTLET PIPE INVERT ELEVATION.
11. PVC HYDRAULIC SHEAR PLATE IS PLACED ON SHEET AT BOTTOM OF SCREEN CYLINDER. REMOVE AND REPLACE AS NECESSARY DURING MAINTENANCE CLEANING.
12. SEE UTILITY PLAN FOR PIPE ORIENTATION, INVERTS AND SIZES.

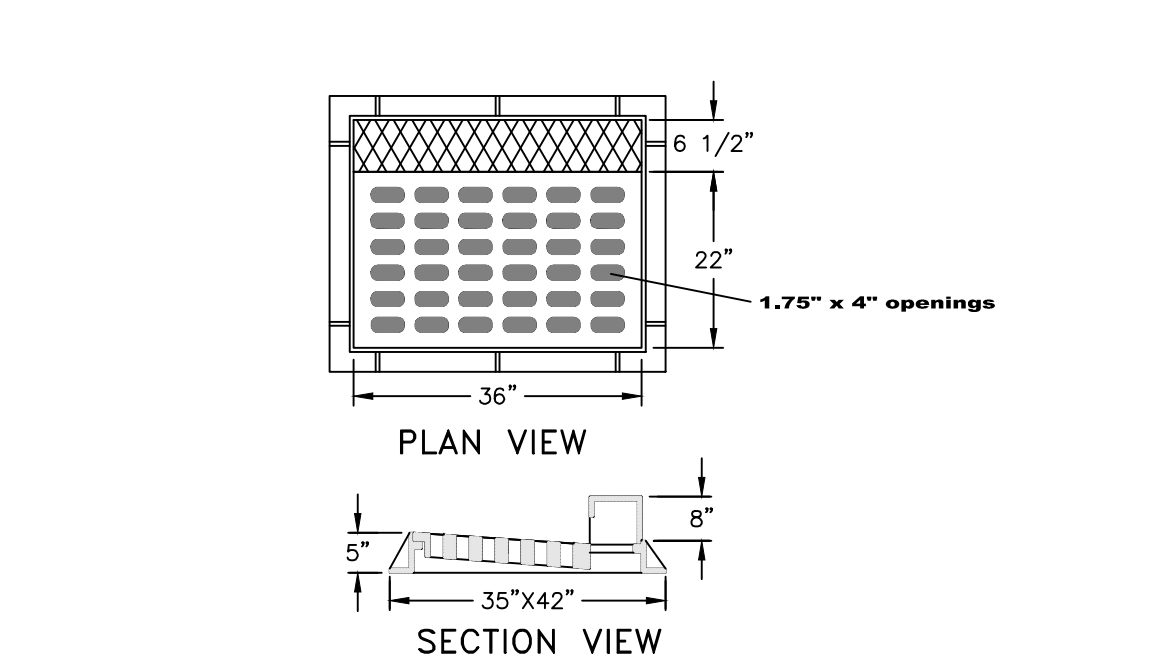
CDS® PRE-TREATMENT UNIT DETAIL
NOT TO SCALE



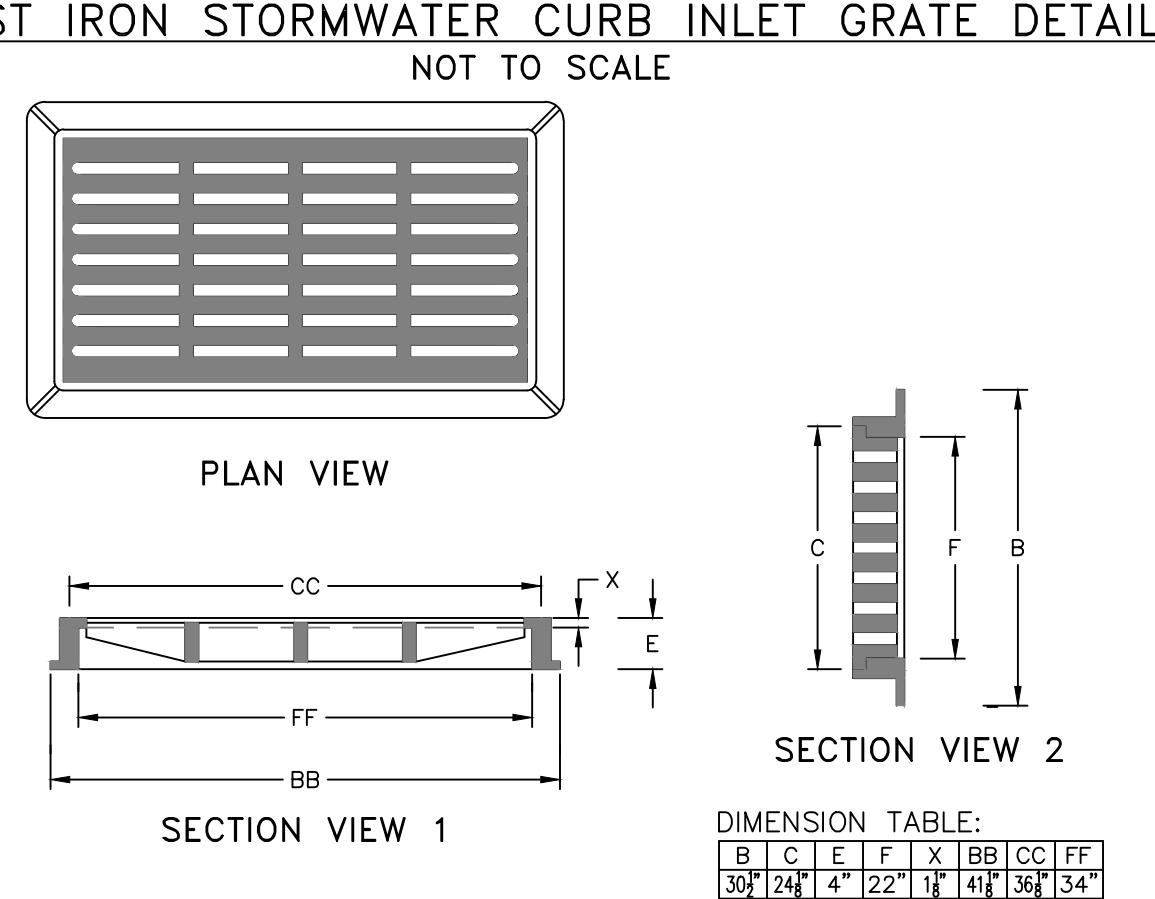
NOTES:

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-601N OR APPROVED EQUAL.
3. PIPE ADAPTOR FOR BOTTOM DRAIN SHALL BE WOODARDS 4" CORRUGATED PIPE ADAPTOR, MODEL NUMBER: TD-40 OR APPROVED EQUAL.

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

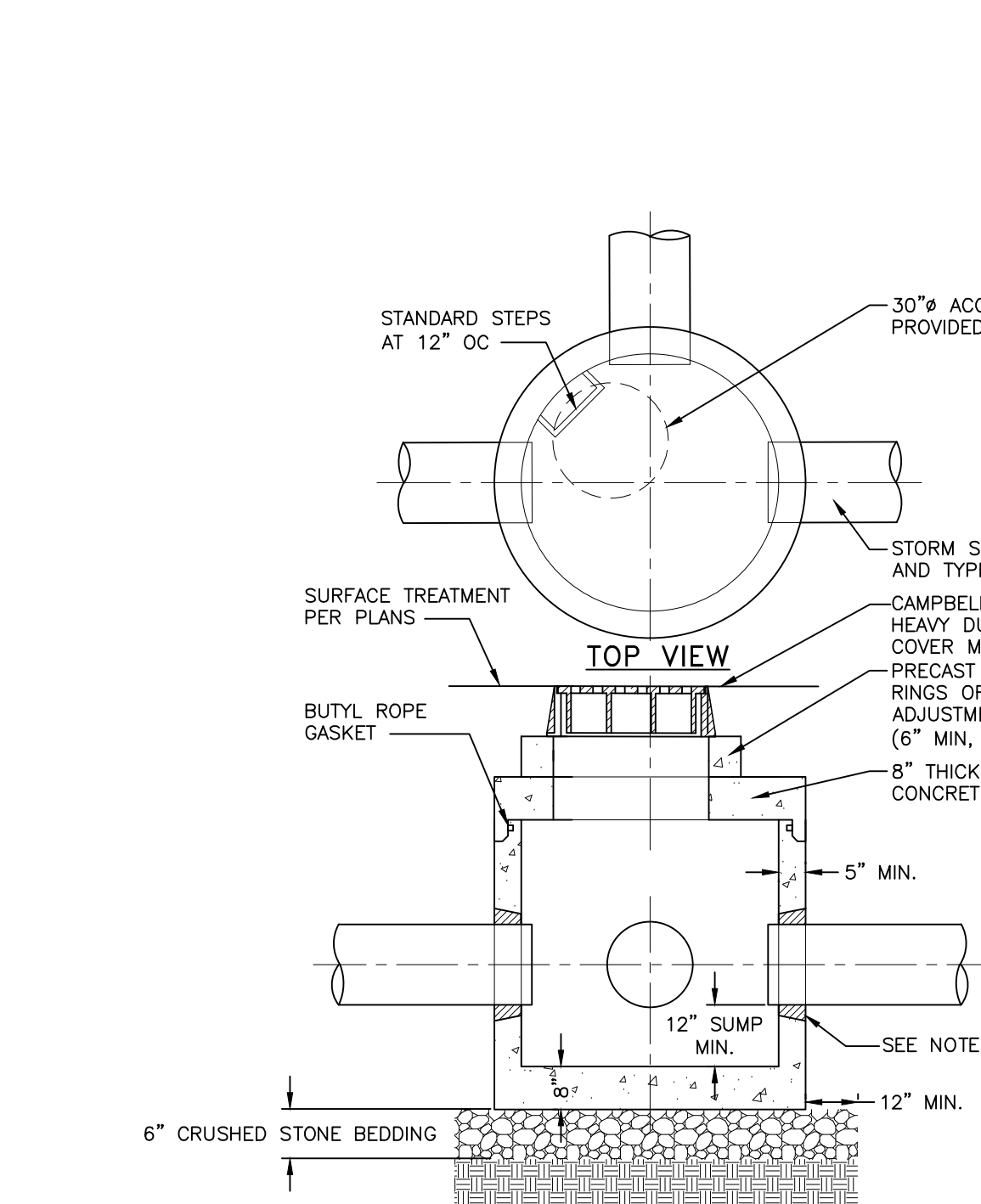


CAST IRON STORMWATER CURB INLET GRATE DETAIL
NOT TO SCALE

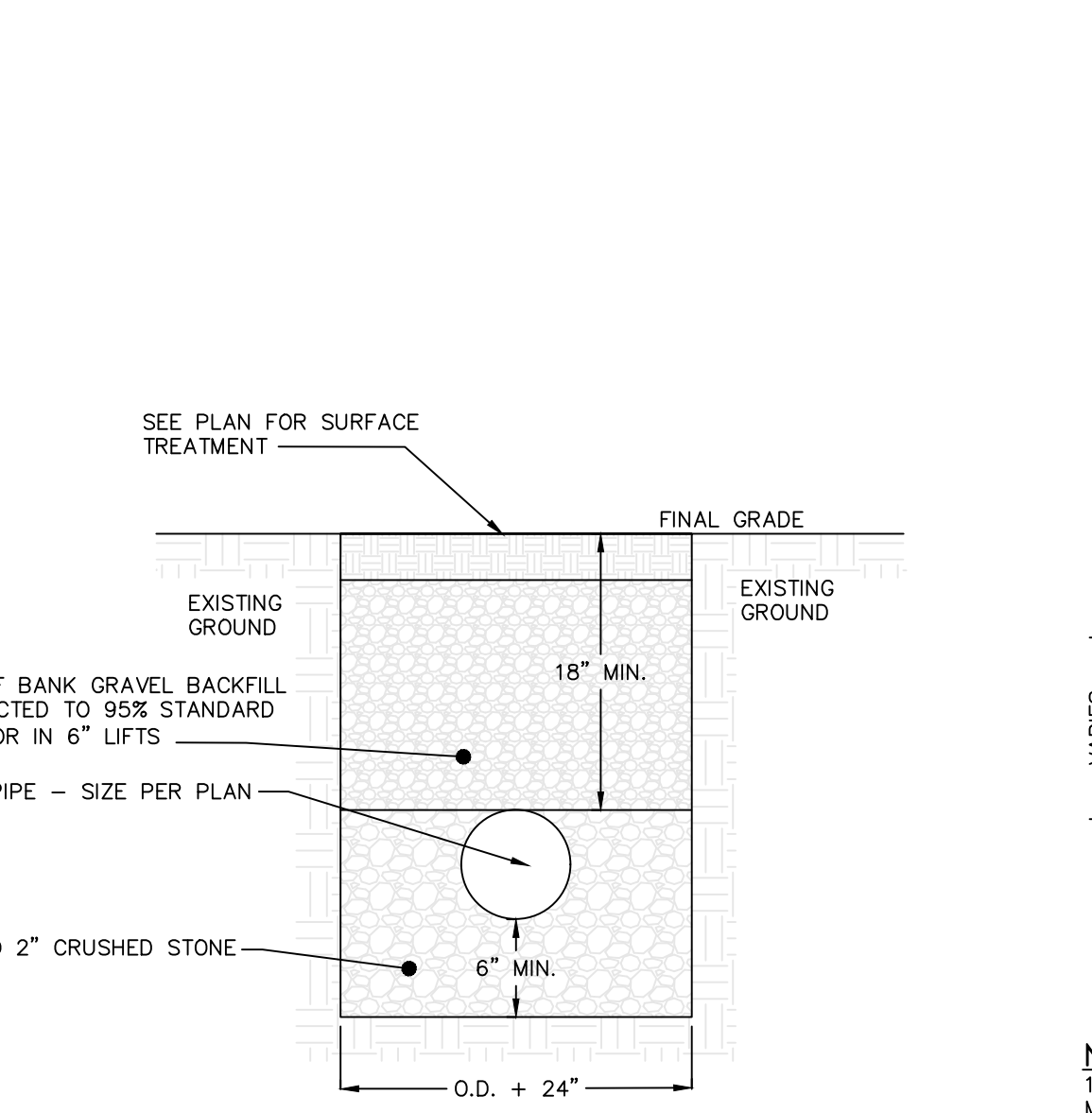


STORMWATER PIPE IN TRENCH DETAIL
NOT TO SCALE

CAST IRON STORMWATER FLAT INLET GRATE DETAIL
NOT TO SCALE

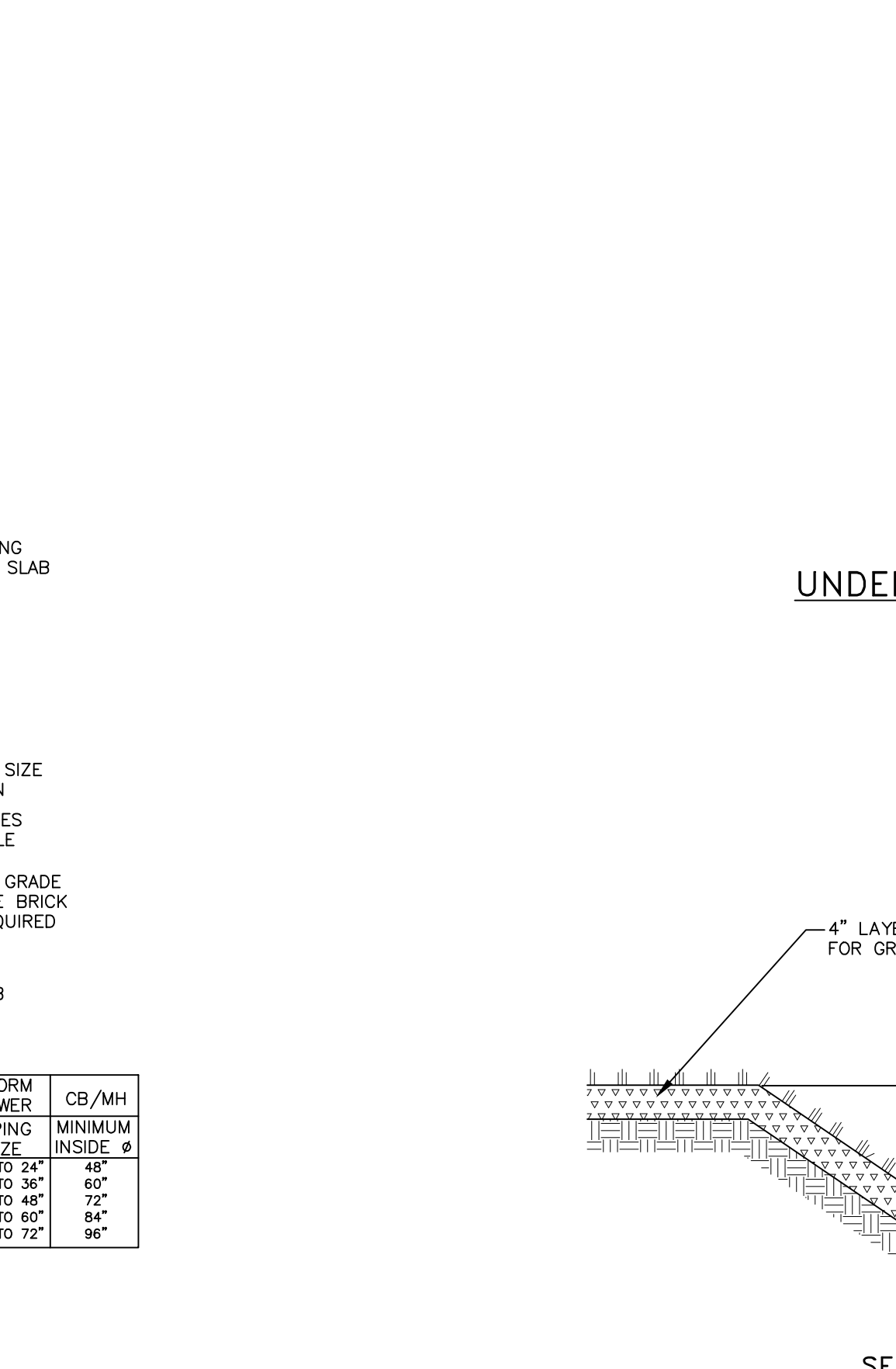


STORMWATER MANHOLE DETAIL
NOT TO SCALE

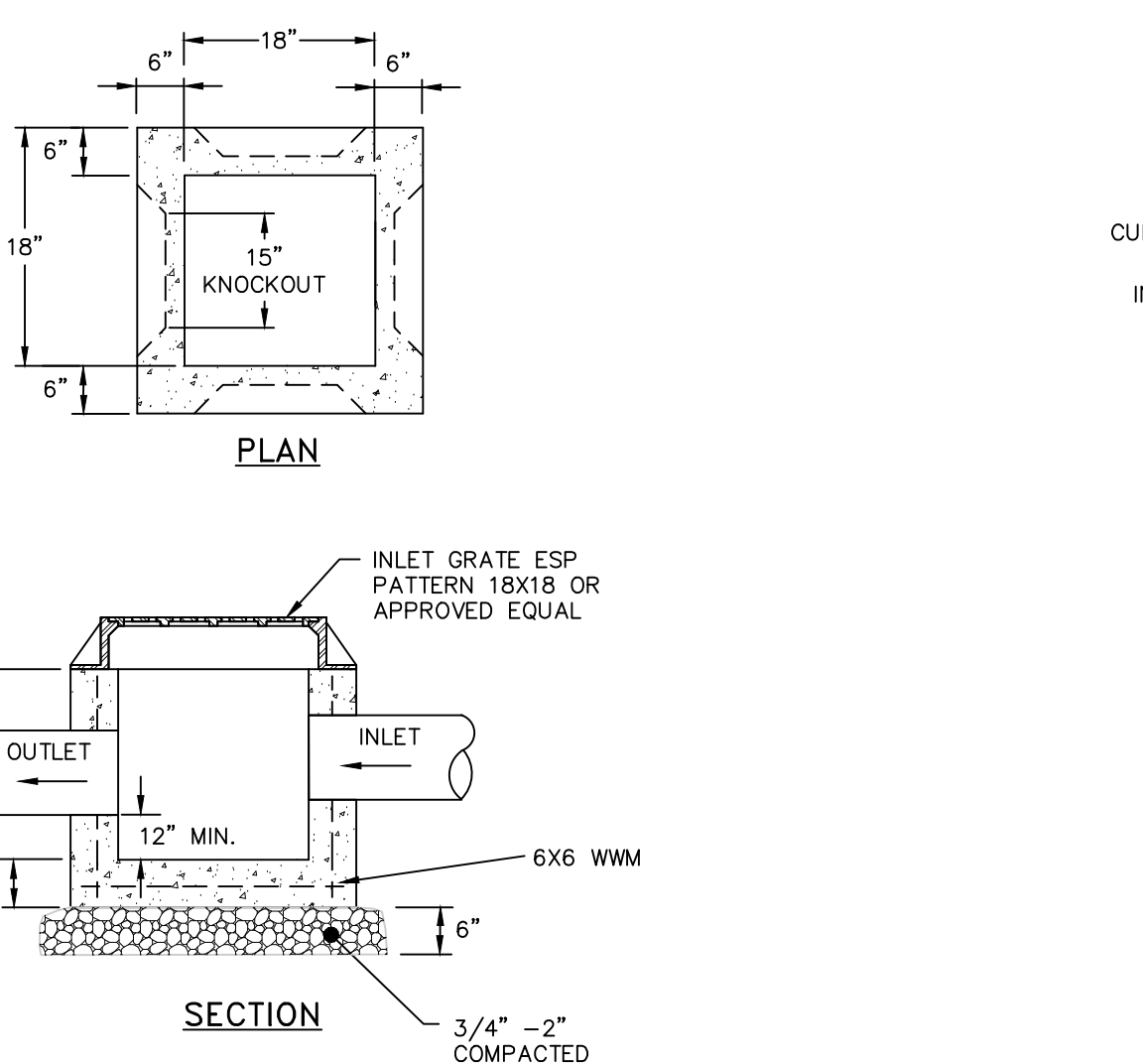


STORMWATER PIPE IN TRENCH DETAIL
NOT TO SCALE

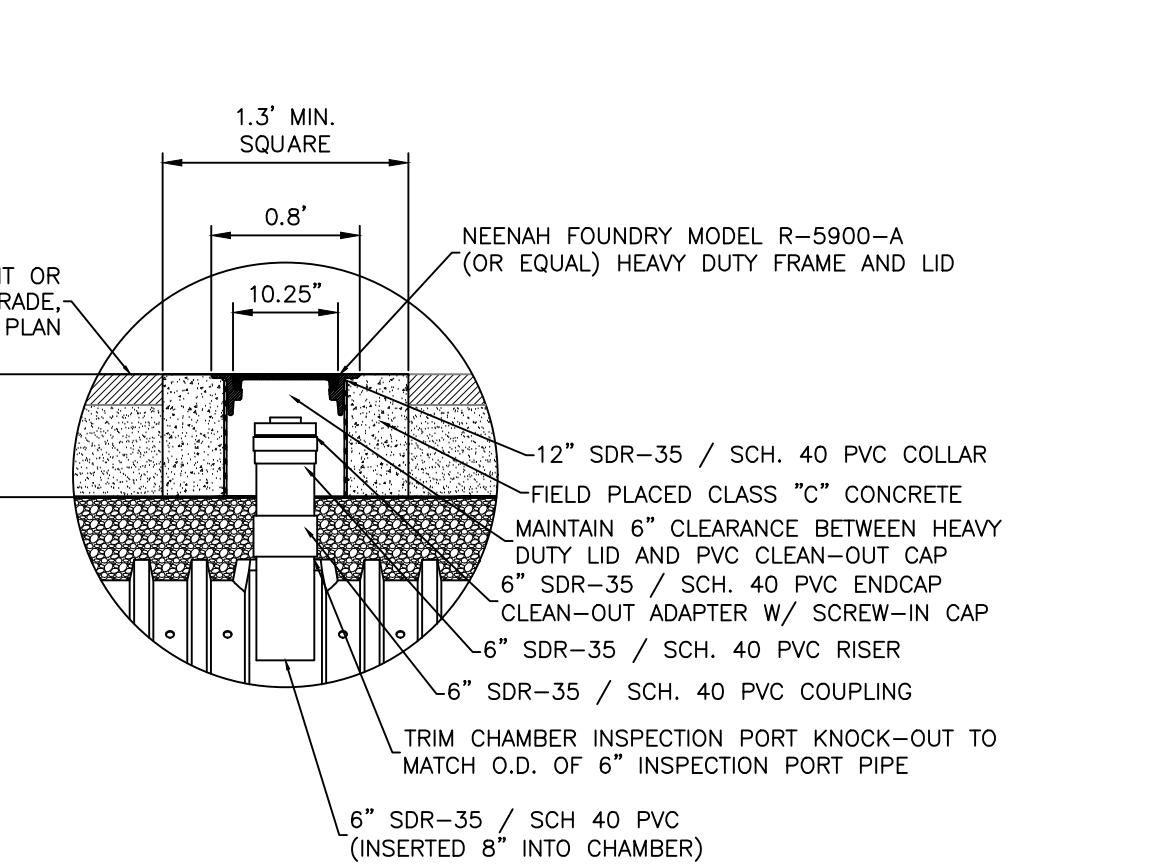
CAST IRON STORMWATER FLAT INLET GRATE DETAIL
NOT TO SCALE



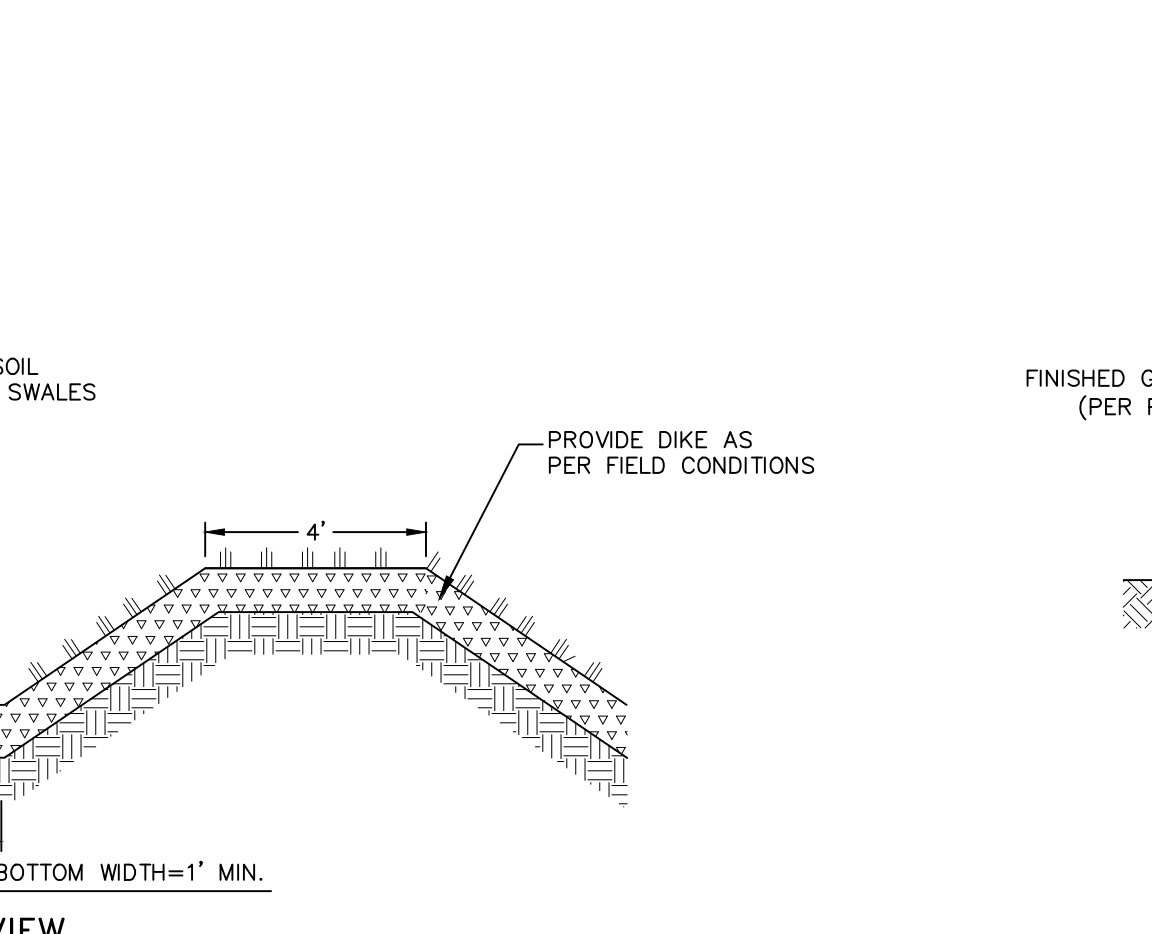
STORMWATER MANHOLE DETAIL
NOT TO SCALE



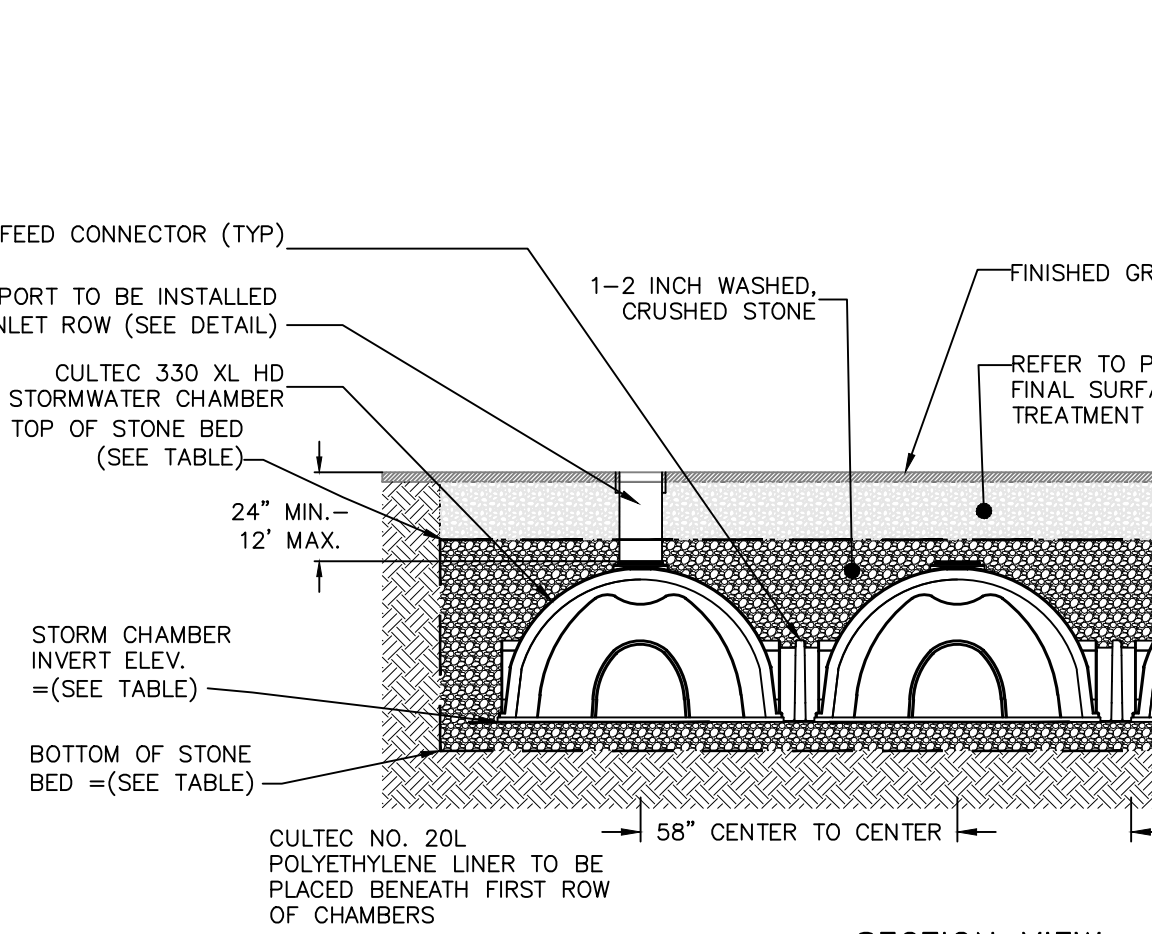
PRE-CAST CONCRETE YARD INLET DETAIL
NOT TO SCALE



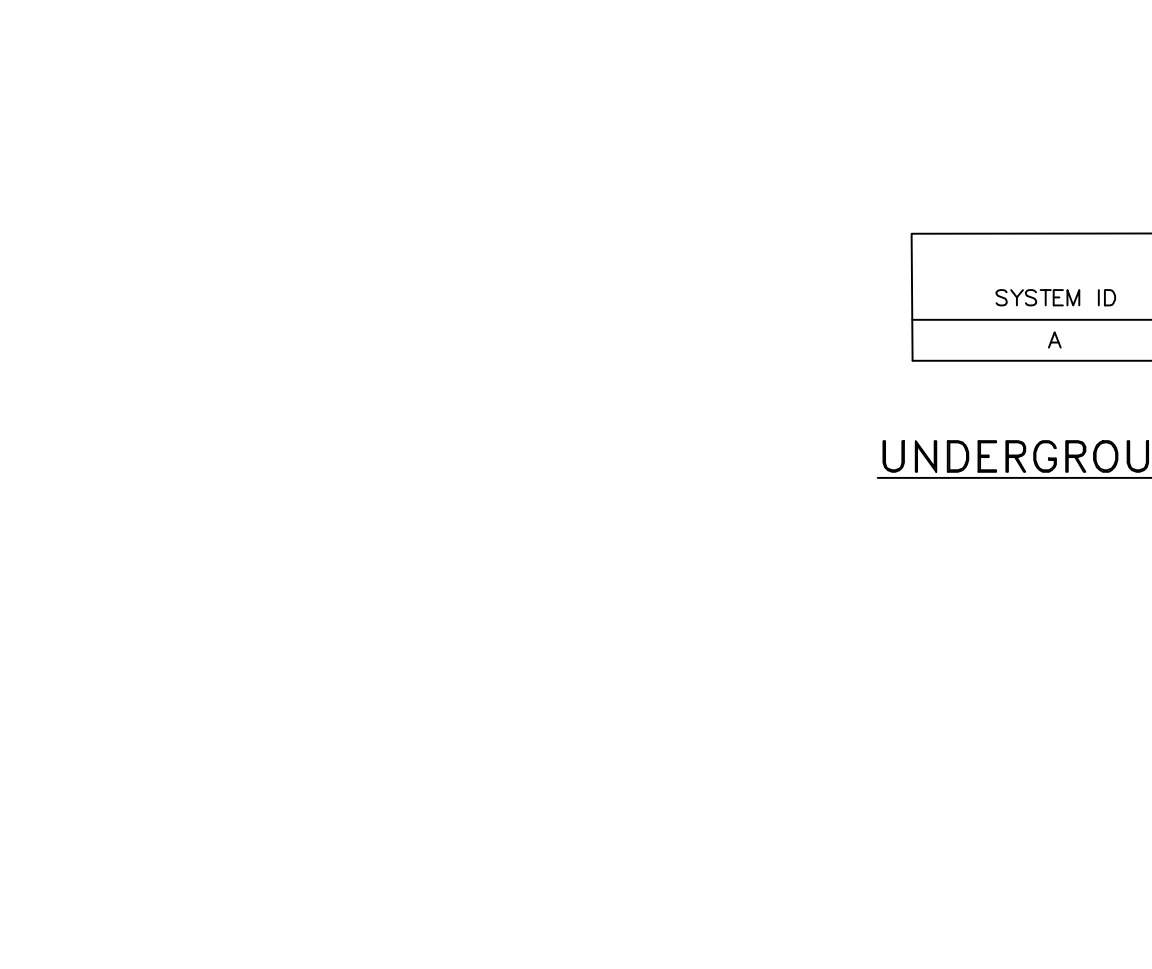
UNDERGROUND DETENTION SYSTEM INSPECTION PORT DETAIL
NOT TO SCALE



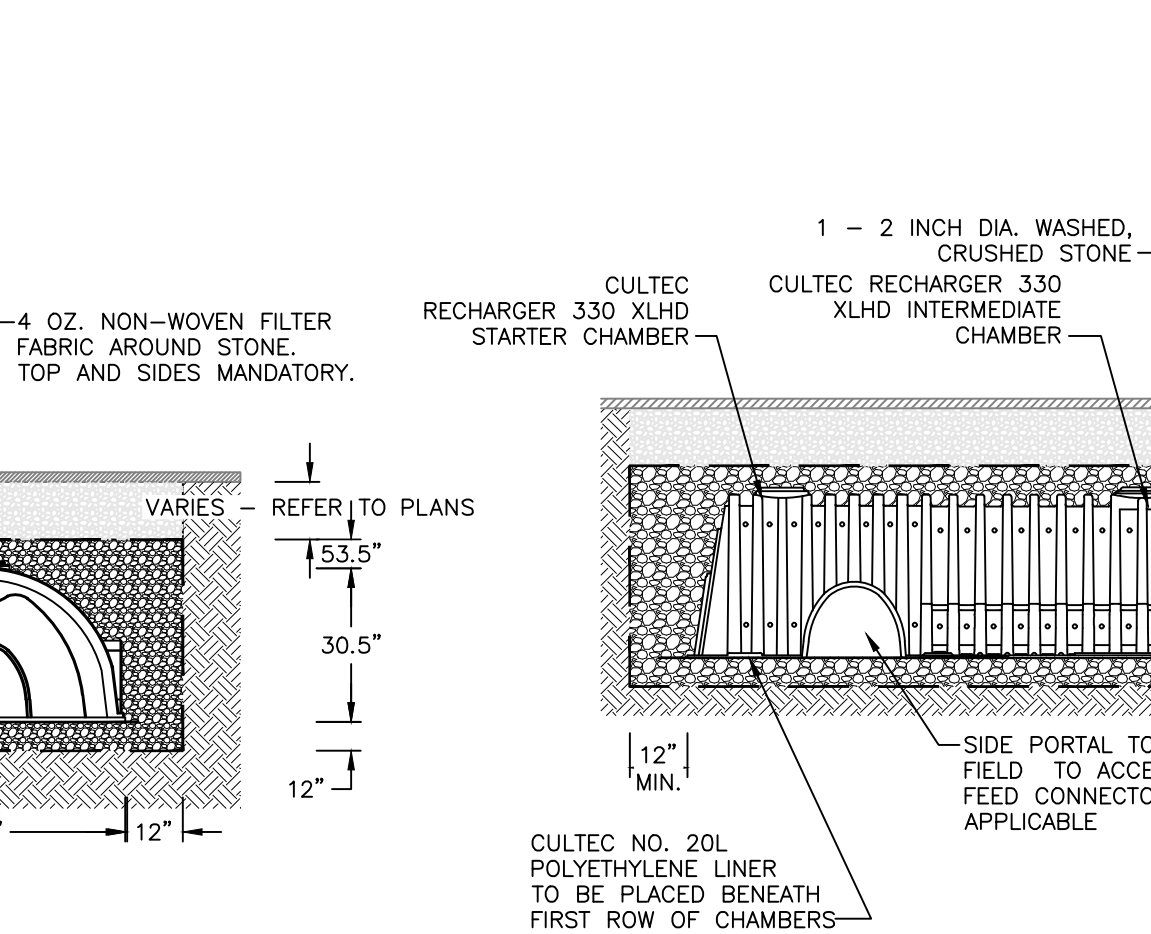
GRASS LINED SWALE/DIKE DETAIL
NOT TO SCALE



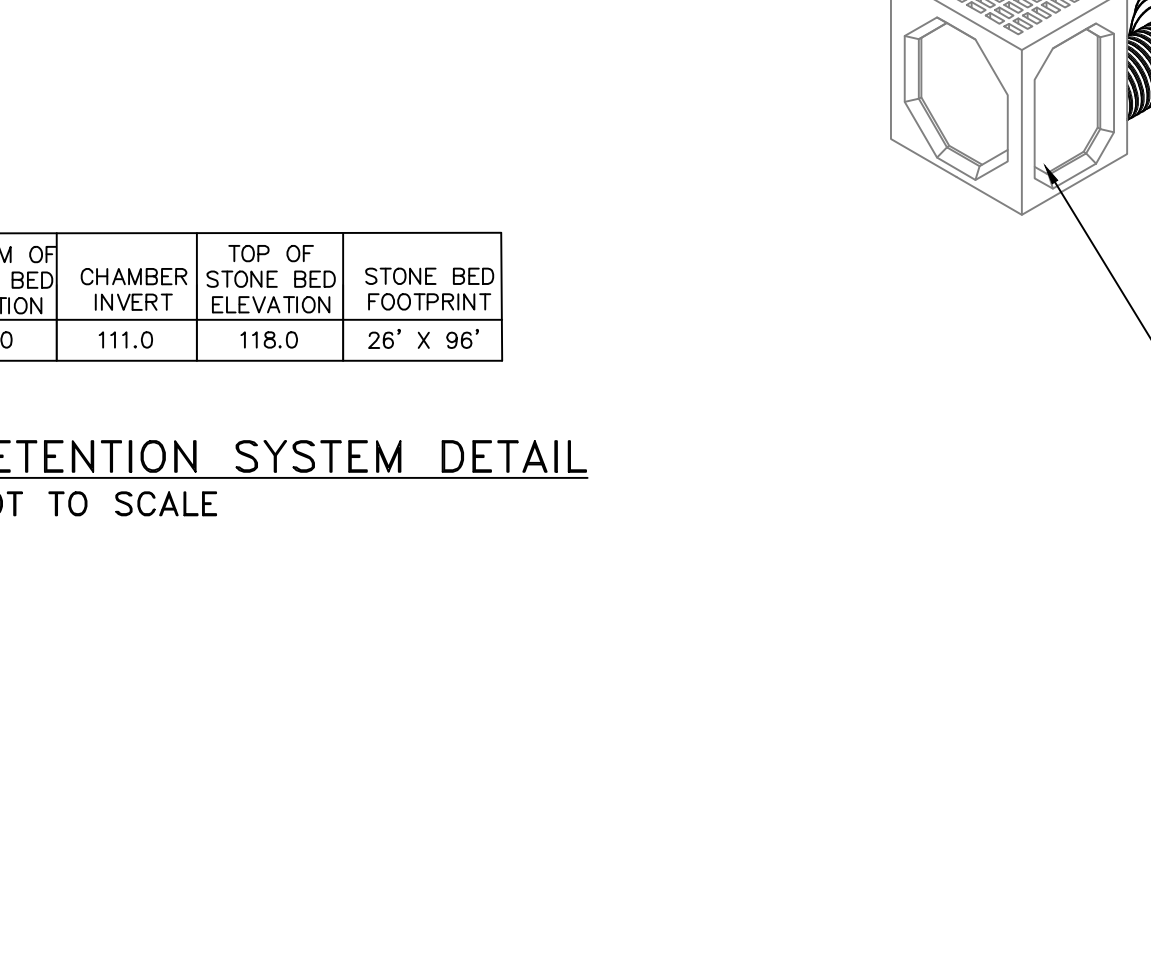
ROOF LEADER CONNECTION DETAIL
NOT TO SCALE



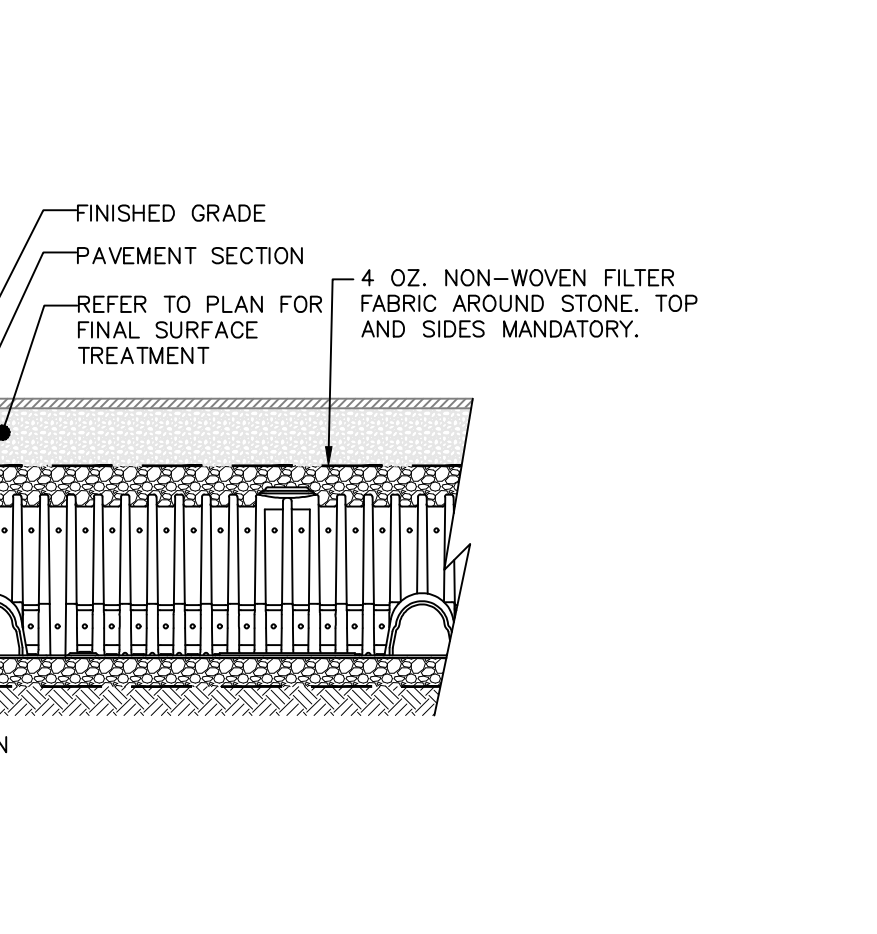
ROOF LEADER IN-LINE DRAIN DETAIL
NOT TO SCALE



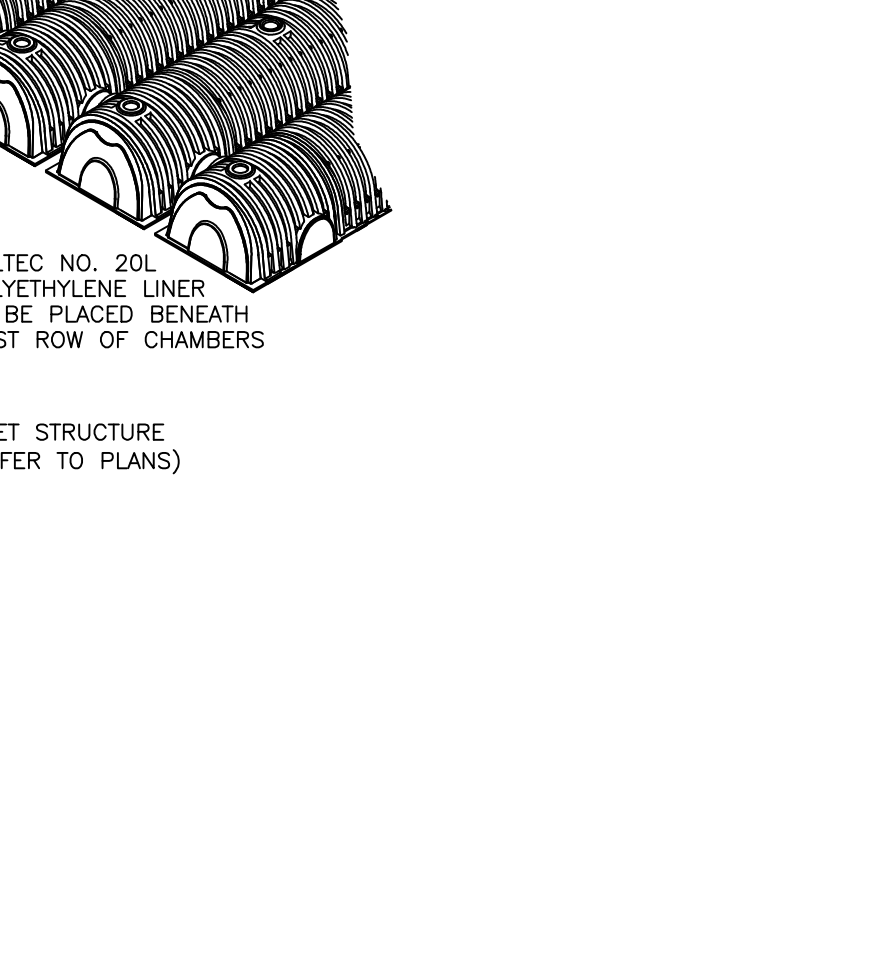
ROOF LEADER CONNECTION DETAIL
NOT TO SCALE



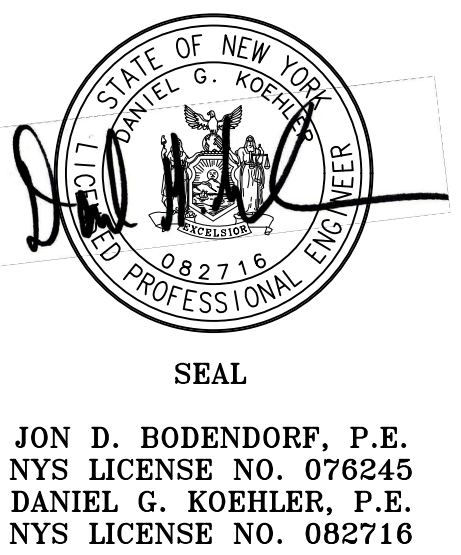
ROOF LEADER IN-LINE DRAIN DETAIL
NOT TO SCALE



ROOF LEADER CONNECTION DETAIL
NOT TO SCALE



ROOF LEADER IN-LINE DRAIN DETAIL
NOT TO SCALE



| REVISIONS: | | | |
|------------|------------|-----------------------------|-----|
| NO. | DATE | DESCRIPTION | BY |
| 1 | 8/29/2017 | PER PLANNING BOARD COMMENTS | DKG |
| 2 | 10/31/2017 | NO CHANGES THIS SHEET | DKG |
| 3 | 01/30/2018 | PER PLANNING BOARD COMMENTS | DKG |
| 4 | 02/27/2018 | PER PLANNING BOARD COMMENTS | DKG |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

APPROVED BY RESOLUTION OF THE PLANNING BOARD OF THE CITY OF BEACON, NEW YORK, ON THE _____ DAY OF _____, 20____, SUBJECT TO ALL REQUIREMENTS AND AS APPROVED, SHALL VOID THIS APPROVAL.

SIGNED THIS _____ DAY OF _____, 20____, BY _____ CHAIRMAN

_____ SECRETARY

IN ABSENCE OF THE CHAIRMAN OR SECRETARY, THE ACTING CHAIRMAN OR ACTING SECRETARY RESPECTIVELY MAY SIGN IN THIS PLACE.

SEAL
JON D. BODENDORF, P.E.
NYS LICENSE NO. 076245
DANIEL G. KOEHLER, P.E.
NYS LICENSE NO. 086716