

SILT FENCE AT END OF CUL-DE-SAC
 INFILTRATION SYSTEM

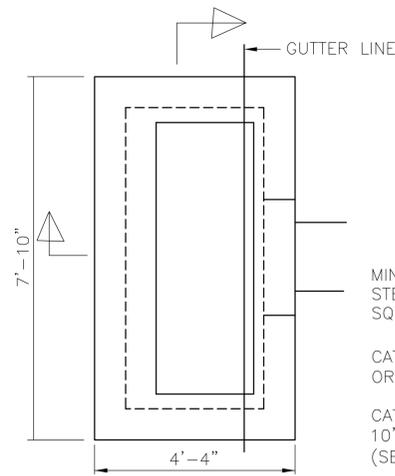
LEGEND:

-  SILT FENCE
-  CB WITH INLET PROTECTION
-  CB WITH 4' SUMP AND TEMPORARY HOOD.

NOTES:

1. INSTALL INLET PROTECTION ON ALL CATCH BASINS SEE DETAIL SHEET MDS-05.
2. FOR SILT FENCE SEE DETAIL SHEET MDS-05
3. FOR EROSION CONTROL NOTES SEE SHEET GEN-01
4. FOR TEMP HOOD DETAIL SEE SHEET MDS-03
5. FOR INFILTRATION SYSTEM SEE DETAIL SHEET MDS-01

DRAWN BY: G. HRICKO CHECKED BY: P. GILKEY	HORIZONTAL SCALE IN FEET 1" = 100' 0 50 100	DATE 1.	DESCRIPTION DESIGNER REVIEWER
			
TOWN OF ENFIELD SOIL EROSION CONTROL PLAN NEELANS PARK "ON THE BUCKHORN" ROADWAY RECONSTRUCTION CONNECTICUT ENFIELD			
500 ENTERPRISE DRIVE, SUITE 3B ROCKY HILL, CT 06067 (860) 529-8882			
PROJ. No.: 36940098 DATE: MARCH, 2015			
SED-01			

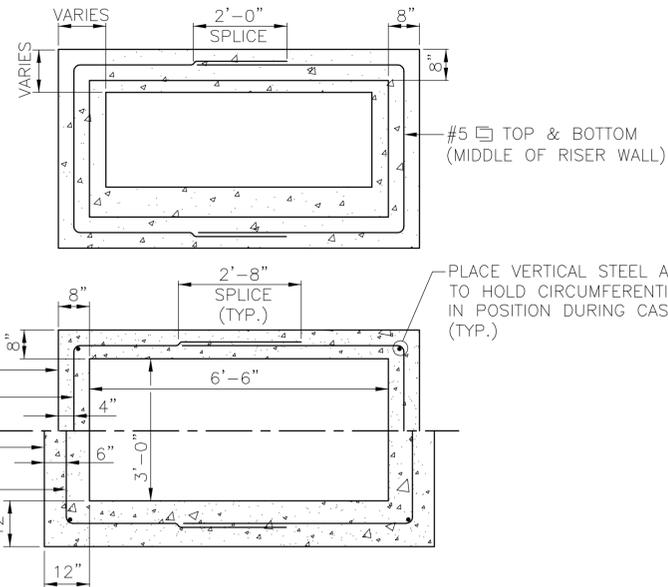


MINIMUM CIRCUMFERENTIAL STEEL AREA SHALL BE 0.44 SQUARE INCHES PER FOOT

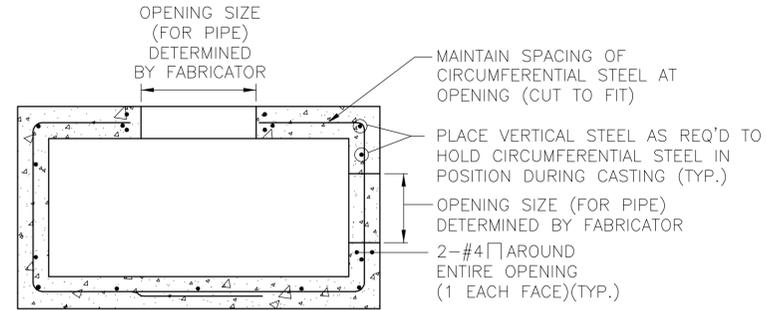
CATCH BASINS 10' DEEP OR LESS

CATCH BASINS GREATER THAN 10' AND LESS THAN 20' DEEP (SEE NOTES 6 AND 13)

MINIMUM CIRCUMFERENTIAL STEEL AREA SHALL BE 0.44 SQUARE INCHES PER FOOT



PLACE VERTICAL STEEL AS REQ'D TO HOLD CIRCUMFERENTIAL STEEL IN POSITION DURING CASTING (TYP.)



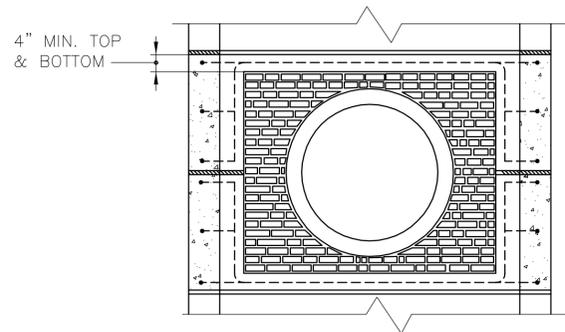
OPENING SIZE (FOR PIPE) DETERMINED BY FABRICATOR

MAINTAIN SPACING OF CIRCUMFERENTIAL STEEL AT OPENING (CUT TO FIT)

PLACE VERTICAL STEEL AS REQ'D TO HOLD CIRCUMFERENTIAL STEEL IN POSITION DURING CASTING (TYP.)

OPENING SIZE (FOR PIPE) DETERMINED BY FABRICATOR

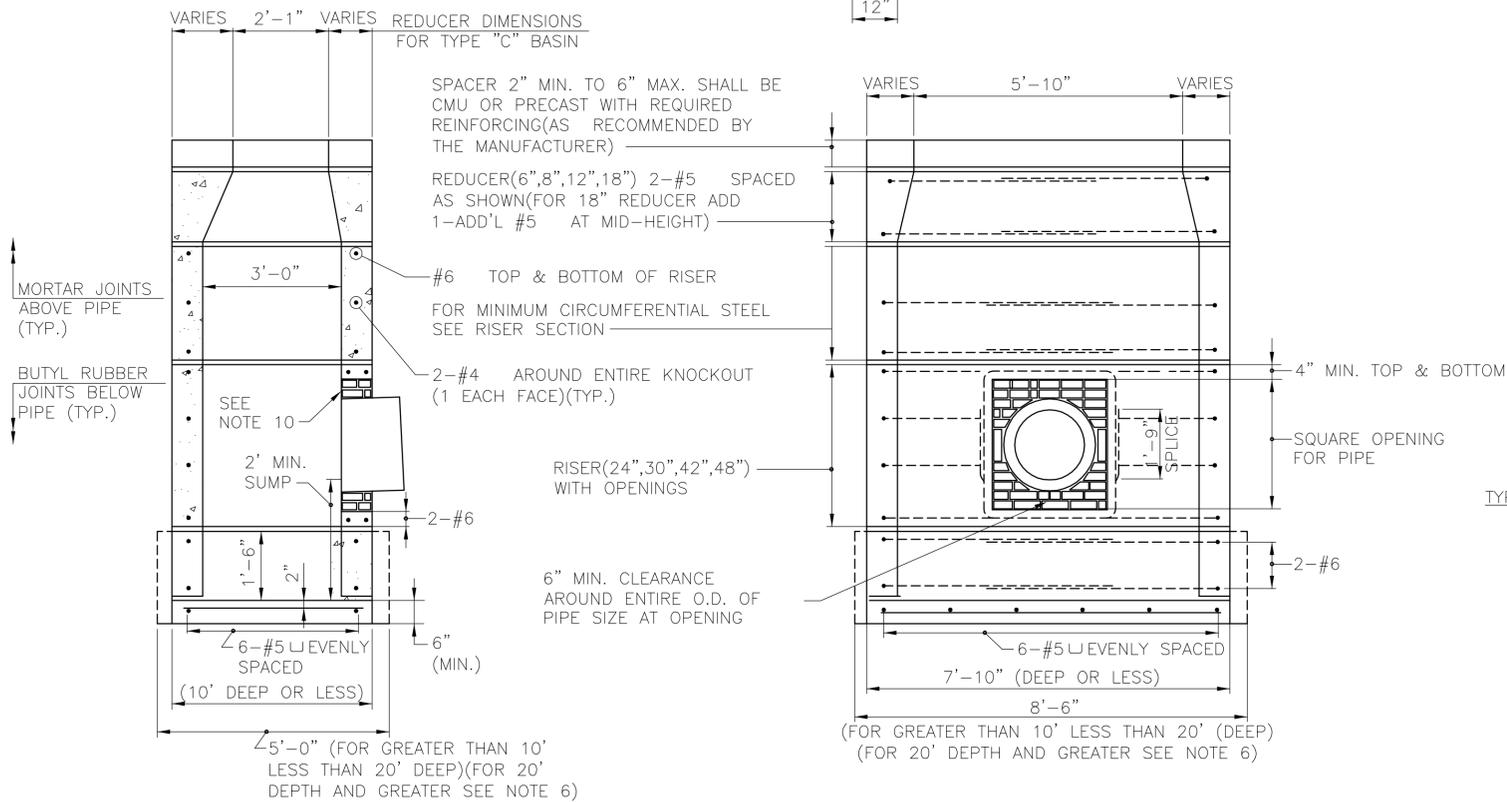
2-#4 \square AROUND ENTIRE OPENING (1 EACH FACE)(TYP.)



4" MIN. TOP & BOTTOM

2-#4 \square AROUND ENTIRE OPENING (1 EACH FACE)(TYP.)

SEE NOTE 10



REDUCER DIMENSIONS FOR TYPE "C" BASIN

SPACER 2" MIN. TO 6" MAX. SHALL BE CMU OR PRECAST WITH REQUIRED REINFORCING (AS RECOMMENDED BY THE MANUFACTURER)

REDUCER (6", 8", 12", 18") 2-#5 SPACED AS SHOWN (FOR 18" REDUCER ADD 1-ADD'L #5 AT MID-HEIGHT)

#6 TOP & BOTTOM OF RISER FOR MINIMUM CIRCUMFERENTIAL STEEL SEE RISER SECTION

2-#4 AROUND ENTIRE KNOCKOUT (1 EACH FACE)(TYP.)

SEE NOTE 10

2' MIN. SUMP

2-#6

6" MIN. CLEARANCE AROUND ENTIRE O.D. OF PIPE SIZE AT OPENING

6-#5 \sqcup EVENLY SPACED (10' DEEP OR LESS)

5'-0" (FOR GREATER THAN 10' LESS THAN 20' DEEP) (FOR 20' DEPTH AND GREATER SEE NOTE 6)

VARIES 5'-10" VARIES

4" MIN. TOP & BOTTOM

SQUARE OPENING FOR PIPE

1'-9" SPLICE

2-#6

6-#5 \sqcup EVENLY SPACED

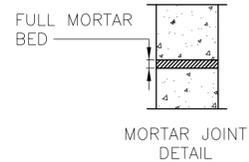
7'-10" (DEEP OR LESS)

8'-6" (FOR GREATER THAN 10' LESS THAN 20' (DEEP) (FOR 20' DEPTH AND GREATER SEE NOTE 6)

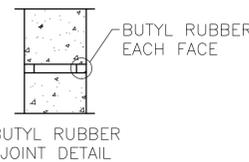
MORTAR JOINTS ABOVE PIPE (TYP.)

BUTYL RUBBER JOINTS BELOW PIPE (TYP.)

NOTE: REINFORCEMENT IN FAR FACE WALL NOT SHOWN FOR CLARITY.



MORTAR JOINT DETAIL



BUTYL RUBBER JOINT DETAIL

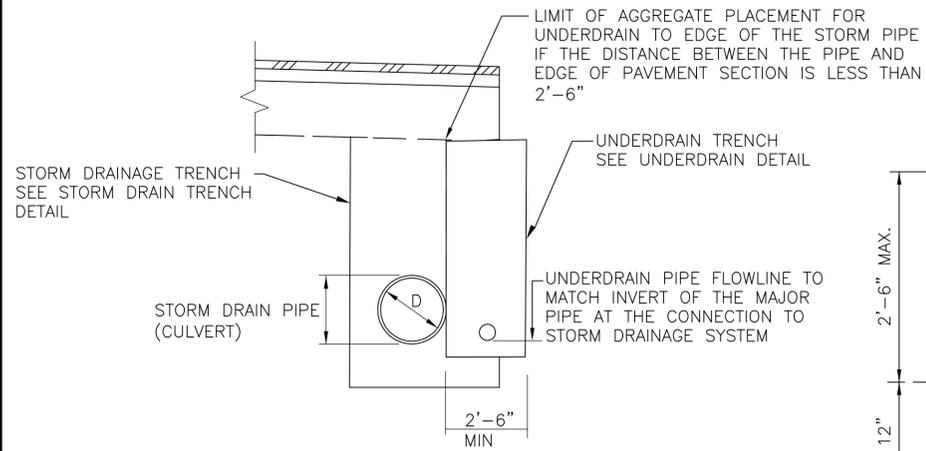
PRECAST CONCRETE TYPE "C" DOUBLE GRATE TYPE II CATCH BASIN (UNDER 10' DEEP SHOWN) NOT TO SCALE

- TYPE "C" DOUBLE GRATE CATCH BASIN GENERAL NOTES:
1. REINFORCEMENT SHALL CONFORM TO ASTM A615, GRADE 60.
 2. DETAILS ON THIS SHEET SHOW STANDARD REINFORCEMENT. WELDED WIRE FABRIC WITH AN AREA EQUAL TO OR GREATER THAN THE REINFORCING SHOWN MAY BE SUBSTITUTED.
 3. ALL LAP SPLICES, DEVELOPMENT LENGTHS, BENDS FOR REINFORCEMENT, AND WELDED WIRE FABRIC SHALL CONFORM TO AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES.
 4. VARY CROSS SLOPE OF GUTTER TO MATCH CROSS SLOPE OF GRATE. USE 6'0" ON UPGRADE SIDE OF CONTINUOUS GRADE AND 1'0" ON DOWNGRADE SIDE OF CONTINUOUS GRADE OR AS DIRECTED.
 5. ALL REINFORCEMENT SHALL HAVE A MINIMUM CLEAR COVER OF 2", EXCEPT FOR BENEATH BOTTOM REINFORCEMENT IN TOP SLABS, WHERE THE MINIMUM MAY BE 1 1/2".
 6. MINIMUM CONCRETE COMPRESSIVE STRENGTH $F_c + 4000$ PSI SHALL BE OBTAINED PRIOR TO SHIPPING.
 7. SEE SHEET MDS-02 FOR CATCH BASIN FRAME AND GRATE DETAILS.
 8. RISERS MAY BE PREFABRICATED WITH PIPE OPENINGS IN ALL FOUR WALLS. ADEQUATE REINFORCING AROUND PIPE OPENINGS CONFORMING TO THESE PLANS SHALL BE PROVIDED. ANY RISERS USED WHERE A PIPE OPENING IS TO REMAIN IN PLACE, MUST BE FORMED UP WITH BRICK AS DIRECTED BY THE ENGINEER.
 9. RISERS SHALL NEVER HAVE CORNER PIPE ENTRIES. WHERE THE ALIGNMENT OF THE PIPE WITH RESPECT TO THE CORNER OF THE CATCH BASIN CANNOT BE CHANGED, A ROUND STRUCTURE CONFORMING TO ASTM C 478 SHALL BE USED. REINFORCING FOR THE ROUND TOP SLAB WITH A RECTANGULAR OPENING SHALL CONFORM TO DETAILS SHOWN HERE.
 10. ALL PIPE OPENINGS SHALL BE CLOSED USING MATERIALS WHICH CONFORM TO STATE OF CONNECTICUT STANDARD SPECIFICATIONS SECTION M.08.02. IF THE ENGINEER DETERMINES THAT THE CLOSURE OF ANY PIPE OPENING IS UNSATISFACTORY, THE CONTRACTOR SHALL RE-CLOSE SAID OPENING AT NO ADDITIONAL COST TO THE TOWN. OPENINGS FOR PIPE SHALL NOT RESULT IN A REDUCED WALL THICKNESS.
 11. THE LATEST STATE OF CONNECTICUT STANDARD SPECIFICATIONS AND SUPPLEMENTALS SHALL GOVERN.
 12. WALL THICKNESS OF ALL CB'S OVER 10' DEEP SHALL BE INCREASED TO 12" THICK. INSIDE DIMENSION SHALL REMAIN THE SAME. (THE 12" THICKNESS WILL START AFTER THE FIRST 10".)
 13. BUTYL RUBBER JOINT SEAL SHALL CONFORM TO AASHTO M-198 AND MORTAR SHALL CONFORM TO THE LATEST STATE OF CONNECTICUT STANDARD SPECIFICATIONS MATERIAL SECTION M11.04.

Mar 06, 2015 - 2:00pm P:\500 CADD-GIS-Graphics\510 CADD\510.03 Highways\MS1a_Contract_Sheet_Files\MDS-04.dwg

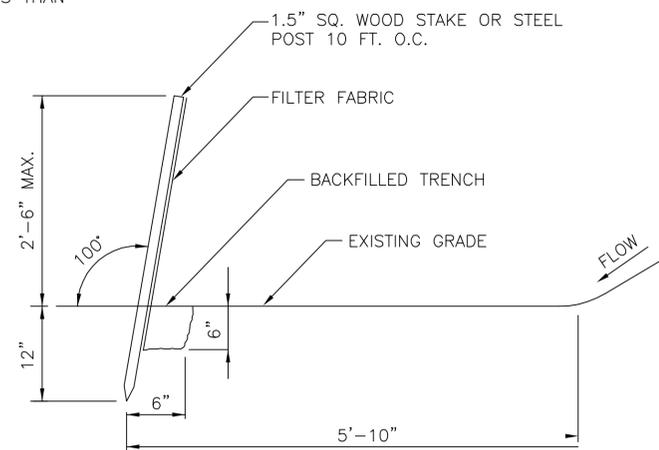
DESIGNER	REVIEWER
DESCRIPTION	No.
DATE	1.
SCALE AS NOTED	
<p>AECOM 500 ENTERPRISE DRIVE, SUITE 3B ROCKY HILL, CT 06067 (860) 529-8882</p>	
<p>TOWN OF ENFIELD MISCELLANEOUS DETAILS - 4 NEELANS PARK "ON THE BUCKHORN" ROADWAY RECONSTRUCTION CONNECTICUT</p>	
<p>PROJ. No.: 36940098 DATE: MARCH, 2015</p>	
<p>MDS-04</p>	

Mar. 06, 2015 - 2:00pm
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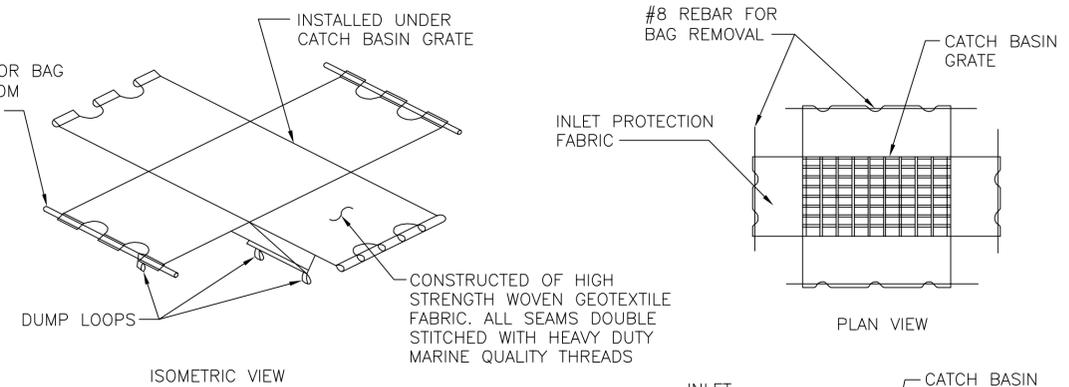


NOTE:
 PAY LIMIT FOR TRENCH EXCAVATION AND BEDDING SHALL BE THE SAME AS FOR THE CULVERT ALONE.

**CULVERT AND UNDERDRAIN
 IN THE SAME TRENCH**
 NOT TO SCALE



SILT FENCE DETAIL
 NOT TO SCALE

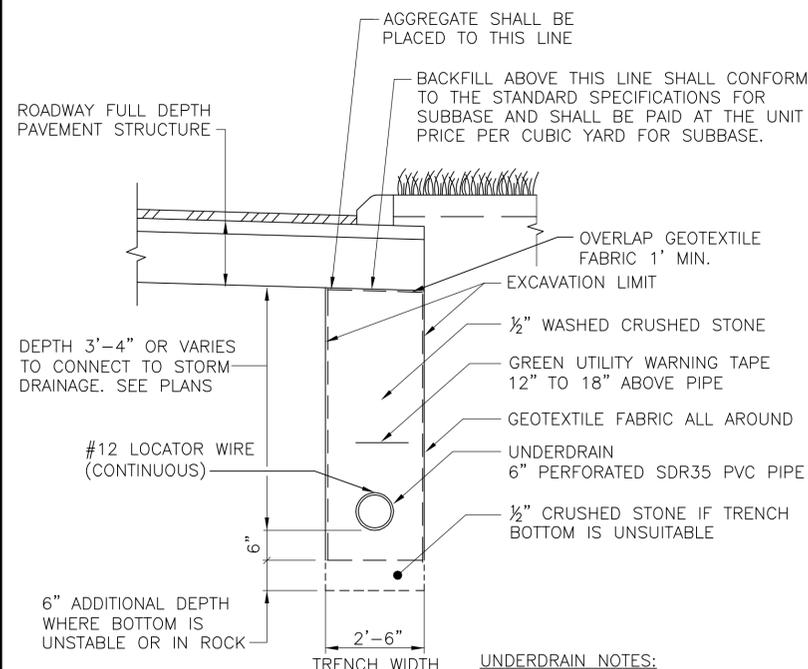


INLET PROTECTION NOTES:

1. INSTALL INLET PROTECTION IN ALL CATCH BASINS WHERE INDICATED ON THE PLANS BEFORE COMMENCING WORK IN PAVED AREAS AFTER BINDER COURSE IS PLACED AND SEDIMENTATION CONTROLS HAVE BEEN REMOVED.
2. GRATE TO BE PLACED OVER INLET PROTECTION.
3. INLET PROTECTIONS SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS AND CLEANING OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED. MAINTAIN UNTIL DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED WITH TOPSOIL AND TURF.

CATCH BASIN INLET PROTECTION DETAIL
 NOT TO SCALE

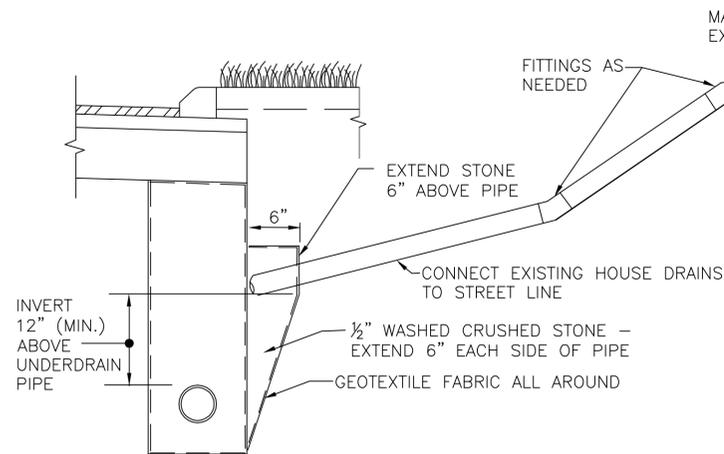
EROSION CONTROL MEASURES



UNDERDRAIN NOTES:

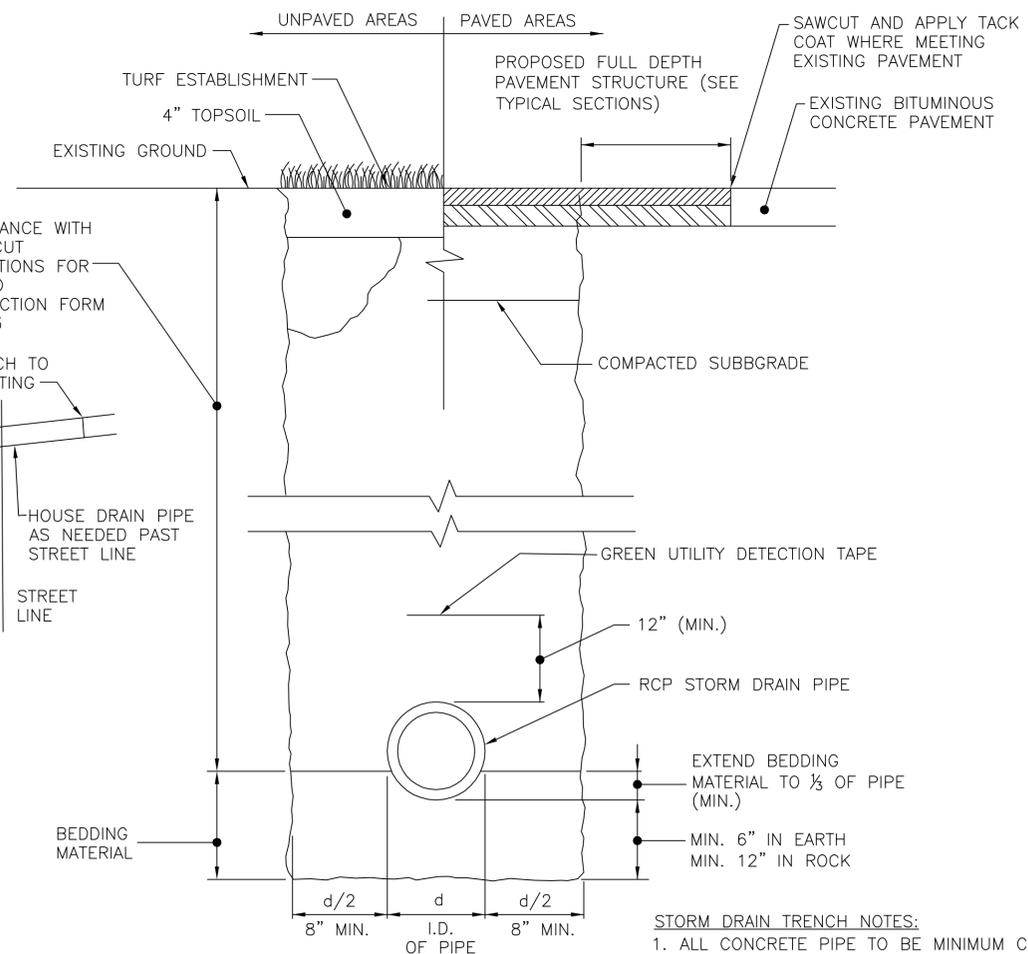
1. PERFORATIONS TO BE PLACED FACING DOWN.
2. HOLES ARE TO BE 1/2" DIA. OR 5/8" DIA.
3. PIPE SHALL BE MIN. 6" DIA.(SEE SPECS.)
4. ALL UNDERDRAIN TO BE OUTLETTED DIRECTLY INTO CATCH BASIN.
5. NO FLEXIBLE CORRUGATED PLASTIC PIPE IS TO BE USED UNLESS APPROVED BY THE ENGINEER.

UNDERDRAIN
 NOT TO SCALE



INSTALL CLEANOUT AT EXISTING PIPE CONNECTION POINT. COST OF CLEANOUT IS INCLUDED IN THE COST OF HOUSE CONNECTION OR HOUSE CONNECTION PIPE, WHICHEVER APPLIES.

HOUSE CONNECTION TO UNDERDRAIN
 NOT TO SCALE



STORM DRAIN TRENCH NOTES:

1. ALL CONCRETE PIPE TO BE MINIMUM CLASS IV UNLESS OTHERWISE SPECIFIED.
2. USE WATERTIGHT RUBBER GASKETS IN ALL PIPE JOINTS.

STORM DRAIN TRENCH DETAIL
 NOT TO SCALE

DESIGNER	REVIEWER
DESCRIPTION	No.
DATE	1.
SCALE AS NOTED	
DRAWN BY: A. NATION	
CHECKED BY: A. MOROSKY	

AECOM
 500 ENTERPRISE DRIVE, SUITE 3B
 ROCKY HILL, CT 06067
 (860) 529-8882

TOWN OF ENFIELD
 MISCELLANEOUS DETAILS - 5
 NEELANS PARK "ON THE BUCKHORN"
 ROADWAY RECONSTRUCTION
 CONNECTICUT
 ENFIELD

PROJ. No.: 36940098
 DATE: MARCH, 2015
MDS-05