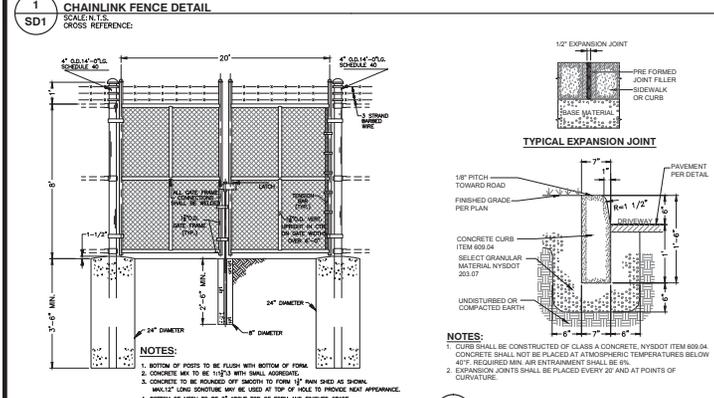


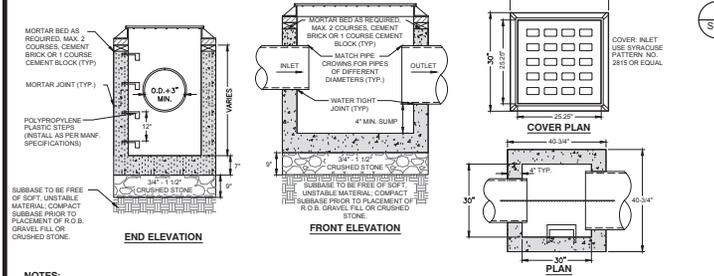
1 CHAINLINK FENCE DETAIL
SCALE: N.T.S.

NOTES:
1. BARBED WIRE SHALL BE OF THE FOUR POINT PATTERN COMPOSED OF TWO STRANDS OF NO. 12-1/2 GAUGE STEEL WIRE WITH 14 GAUGE BARBS. PLACED ON 2" TO 3" CENTERS. THE BARBED WIRE SHALL BE ASTM A121, CLASS 3 GALVANIZED WITH A MINIMUM HEIGHT OF 0.80 OZ. PER SQUARE FOOT OF UNCOATED WIRE SURFACE.
2. THE FABRIC SHALL BE CONSTRUCTED WITH A MESH HAVING TOP AND BOTTOM SERVAE WITH A TWISTED AND BARBED FINISH
3. FOR FENCE GROUNDING DETAILS, SEE DRAWING XXXXX.



8 CONCRETE CURB DETAIL
SCALE: N.T.S.

NOTES:
1. CURB SHALL BE CONSTRUCTED OF CLASS A CONCRETE NYSDOT ITEM 600/34
CONCRETE SHALL NOT BE PLACED AT ATMOSPHERIC TEMPERATURES BELOW
2. EXPANSION JOINTS SHALL BE PLACED EVERY 20' AND AT POINTS OF CURVATURE.
3. CURB SHALL BE FINISHED TO MATCH ADJACENT SIDEWALK OR CURB
4. CURB SHALL BE FINISHED TO MATCH ADJACENT SIDEWALK OR CURB



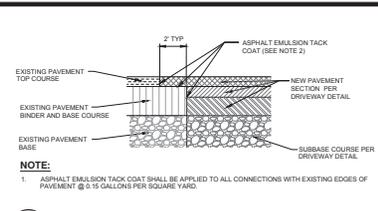
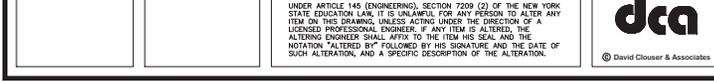
9 CONCRETE APRON DETAIL
SCALE: N.T.S.

NOTES:
1. CATCH BASIN SHALL BE PRE-CAST REINFORCED CONCRETE CONFORMING TO ASTM C-478 AND SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 4,000 P.S.I. WALLS AND BASE
2. SHALL BE ONE PIECE CONSTRUCTION
3. CONCRETE CATCH BASIN CASTING CLEAR OPENING DIMENSION MUST MATCH FRAME AND GRATE
4. CATCH BASIN HAVING A DEPTH GREATER THAN 14" FROM FINISHED SURFACE TO THE TOP OF THE CONCRETE BASE SHALL BE PROVIDED WITH STEPS.
5. BACKFILL BEHIND SELECT MATERIAL, COMPACTED IN 6" LIFTS
6. ALL THE LAST CONCRETE SHALL BE COVERED INSIDE AND OUTSIDE WITH A CLEAR POLYMER RESIN.
7. FRAMES AND GRATES SHALL BE SET IN A FULL BED OF MORTAR.
8. ALL CATCH BASINS SHALL BE MANUFACTURED BY WOODARD'S CONCRETE PRODUCTS INC., MODEL NUMBER CB-30-30, OR APPROVED EQUAL.



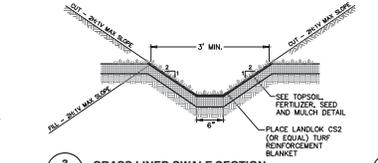
12 PRECAST CATCH BASIN (30"x30")
SCALE: N.T.S.

NOTES:
1. CATCH BASIN SHALL BE PRE-CAST REINFORCED CONCRETE CONFORMING TO ASTM C-478 AND SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 4,000 P.S.I. WALLS AND BASE
2. SHALL BE ONE PIECE CONSTRUCTION
3. CONCRETE CATCH BASIN CASTING CLEAR OPENING DIMENSION MUST MATCH FRAME AND GRATE
4. CATCH BASIN HAVING A DEPTH GREATER THAN 14" FROM FINISHED SURFACE TO THE TOP OF THE CONCRETE BASE SHALL BE PROVIDED WITH STEPS.
5. BACKFILL BEHIND SELECT MATERIAL, COMPACTED IN 6" LIFTS
6. ALL THE LAST CONCRETE SHALL BE COVERED INSIDE AND OUTSIDE WITH A CLEAR POLYMER RESIN.
7. FRAMES AND GRATES SHALL BE SET IN A FULL BED OF MORTAR.
8. ALL CATCH BASINS SHALL BE MANUFACTURED BY WOODARD'S CONCRETE PRODUCTS INC., MODEL NUMBER CB-30-30, OR APPROVED EQUAL.



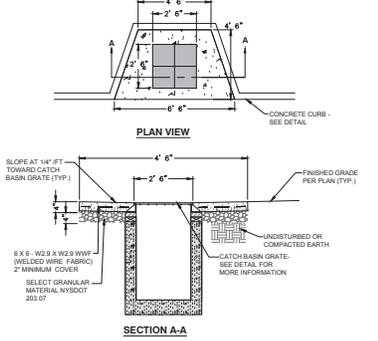
2 SAWN JOINT DETAIL
SCALE: N.T.S.

NOTE:
1. ASPHALT EMULSION TACK COAT SHALL BE APPLIED TO ALL CONNECTIONS WITH EXISTING EDGES OF PAVEMENT @ 15 GALLONS PER SQUARE YARD.



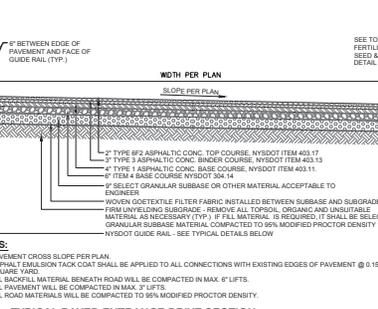
3 GRASS LINED SWALE SECTION
SCALE: N.T.S.

NOTES:
1. TOPSOIL, FERTILIZER, SEED AND MULCH DETAIL
2. PLACE LAND-O-CARB (OR EQUAL) TURF REINFORCEMENT BLANKET



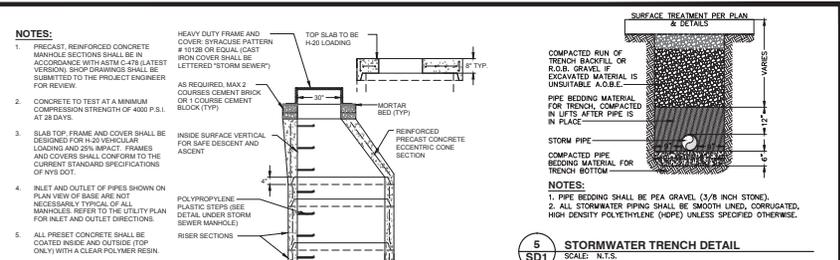
4 TYPICAL STORM SEWER MANHOLE DETAIL
SCALE: N.T.S.

NOTES:
1. PRECAST REINFORCED CONCRETE MANHOLE SECTIONS SHALL BE IN ACCORDANCE WITH ASTM C-478 (LATEST EDITION) (SHOP DRAWINGS SHALL BE SUBMITTED TO THE PROJECT ENGINEER FOR REVIEW)
2. CONCRETE TO TEST AT A MINIMUM COMPRESSIVE STRENGTH OF 4000 P.S.I. AT 28 DAYS
3. SLAB TOP FRAME AND COVER SHALL BE DESIGNED FOR H-20 VEHICULAR LOADING AND IMPACT. FRAMES AND COVERS SHALL CONFORM TO THE CURRENT STANDARD SPECIFICATIONS OF NYSDOT.
4. INLET AND OUTLET OF PIPES SHOWN ON PLAN VIEW OF BASE ARE NOT NECESSARILY TYPICAL OF ALL MANHOLES REFER TO THE UTILITY PLAN FOR INLET AND OUTLET DIRECTIONS.
5. ALL PRECAST CONCRETE SHALL BE COATED INSIDE AND OUTSIDE TOP ONLY WITH A CLEAR POLYMER RESIN.
6. RUBBER SEALS FOR JOINTS SHALL BE EDOM RUBBER CONFORMING TO REQUIREMENTS OF ASTM C-443.
7. FRAMES AND COVERS SHALL BE SET IN A FULL BED OF MORTAR.
8. EXCAVATION FOR MANHOLES SHALL BE IN ACCORDANCE WITH THE TOWN HIGHWAY SPECIFICATIONS.
9. MANHOLES LESS THAN 48" SHALL HAVE A FLAT SLAB TOP.
10. MANHOLES HAVING A DEPTH GREATER THAN 48" FROM FINISHED SURFACE SHALL BE PROVIDED WITH STEPS.



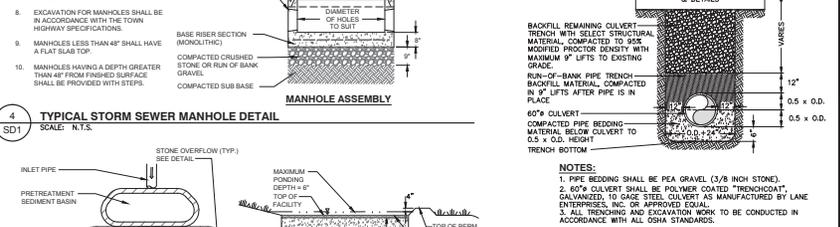
13 TYPICAL PAVED ENTRANCE DRIVE SECTION
SCALE: N.T.S.

NOTES:
1. PAVEMENT CROSS SLOPE PER PLAN.
2. ASPHALT EMULSION TACK COAT SHALL BE APPLIED TO ALL CONNECTIONS WITH EXISTING EDGES OF PAVEMENT @ 15 GALLONS PER SQUARE YARD.
3. ALL BACKFILL MATERIAL BENEATH ROAD W/LS BE COMPACTED IN MAX. 6" LIFTS.
4. ALL PAVEMENT WILL BE COMPACTED IN MAX. 6" LIFTS.
5. ALL ROAD MATERIALS WILL BE COMPACTED TO 95% MODIFIED PROCTOR DENSITY.



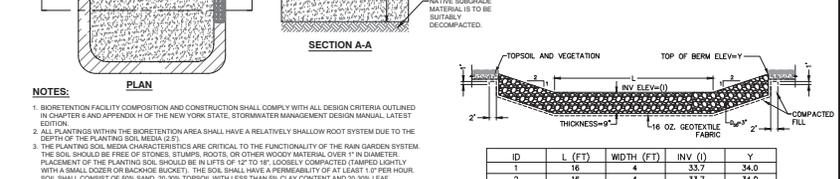
5 STORMWATER TRENCH DETAIL
SCALE: N.T.S.

NOTES:
1. PIPE BEDDING SHALL BE PEA GRAVEL (3/8" INCH STONE).
2. ALL STORMWATER PIPING SHALL BE SMOOTH LINED, CORRUGATED, HIGH DENSITY POLYETHYLENE (HDPE) UNLESS SPECIFIED OTHERWISE.



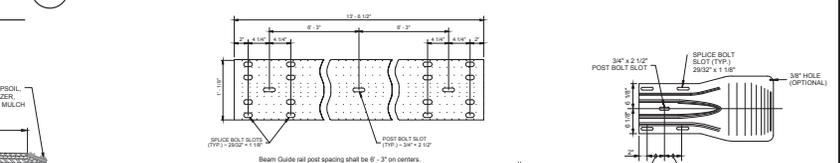
6 TYPICAL STORM SEWER MANHOLE DETAIL
SCALE: N.T.S.

NOTES:
1. PIPE BEDDING SHALL BE PEA GRAVEL (3/8" INCH STONE).
2. 60" DIA. CULVERT SHALL BE POLYMER COATED "TRENCHCOAT" GALVANIZED TO GAGE STEEL CULVERT AS MANUFACTURED BY LANE ENTERPRISES, INC. OR APPROVED EQUAL.
3. ALL TRENCHING AND EXCAVATION WORK TO BE CONDUCTED IN ACCORDANCE WITH ALL OSHA STANDARDS.



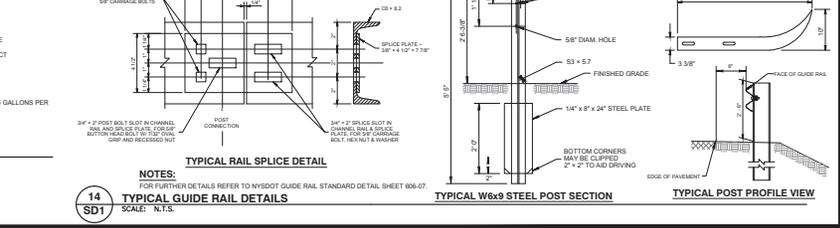
6 CMP 60" DIA CULVERT DETAIL
SCALE: N.T.S.

NOTES:
1. PIPE BEDDING SHALL BE PEA GRAVEL (3/8" INCH STONE).
2. 60" DIA. CULVERT SHALL BE POLYMER COATED "TRENCHCOAT" GALVANIZED TO GAGE STEEL CULVERT AS MANUFACTURED BY LANE ENTERPRISES, INC. OR APPROVED EQUAL.
3. ALL TRENCHING AND EXCAVATION WORK TO BE CONDUCTED IN ACCORDANCE WITH ALL OSHA STANDARDS.



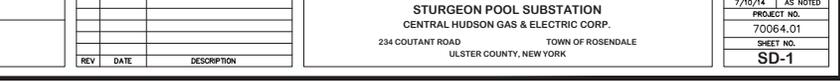
11 STONE OVERFLOW WEIR DETAIL
SCALE: N.T.S.

NOTES:
1. PRECAST FACILITY COMPOSITION AND CONSTRUCTION SHALL COMPLY WITH ALL DESIGN CRITERIA OUTLINED IN CHAPTER 4 AND APPENDIX H OF THE NEW YORK STATE STORMWATER MANAGEMENT DESIGN MANUAL, LATEST EDITION.
2. ALL PLANTINGS WITHIN THE BIORETENTION AREA SHALL HAVE A RELATIVELY SHALLOW ROOT SYSTEM DUE TO THE DEPTH OF THE PLANTING SOIL MEDIA (2.5').
3. ALL PLANTING MEDIA CHARACTERISTICS ARE CRITICAL TO THE FUNCTIONALITY OF THE RAIN GARDEN SYSTEM. THE SOIL MEDIA CHARACTERISTICS SHALL BE: 1. PERMEABLE, 2. FREE DRAINING, 3. FREE FROM OTHER WOODY MATERIAL OVER 1" IN DIAMETER. PLACEMENT OF THE PLANTING SOIL SHOULD BE IN LIFTS OF 12" TO 18", LOOSELY COMPACTED (TAMPED LIGHTLY WITH A RUBBER SCUMPER OR BACKHOE BUCKET). THE SOIL SHALL HAVE A PERMEABILITY OF AT LEAST 1" PER HOUR. SOIL SHALL CONSIST OF 50% SAND, 20% TOPSOIL WITH LESS THAN 5% CLAY CONTENT AND 20-30% LEAF COMPOST.



14 TYPICAL GUIDE RAIL DETAILS
SCALE: N.T.S.

NOTES:
FOR FURTHER DETAILS REFER TO NYSDOT GUIDE RAIL STANDARD DETAIL SHEET 606-07.



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SITE DETAILS

STURGEON POOL SUBSTATION
CENTRAL HUDSON GAS & ELECTRIC CORP.

234 COUTANT ROAD TOWN OF ROSENDALE
ULSTER COUNTY, NEW YORK

DATE: 7/10/14
SCALE: AS NOTED
PROJECT NO.: 7006A-01
SHEET NO.: SD-1

REV	DATE	DESCRIPTION

DRAWN BY	CHECKED BY
MLT	OSC
DATE	SCALE
7/10/14	AS NOTED
PROJECT NO.	7006A-01
SHEET NO.	SD-1

