

UNDERGROUND SWM CHAMBERS MUST BE CLEANED AFTER THE SITE HAS BEEN STABILIZED. ALL FOUR CHAMBERS MUST BE VIDEO INSPECTED AND RECORDED IMMEDIATELY PRIOR TO FINAL ACCEPTANCE BY THE OWNER. THE VIDEO MUST BE SUBMITTED TO THE OWNER AND TO THE ROANOKE COUNTY ENGINEER

*SEE SHEET SP-6 FOR ADDITIONAL NOTES AND DETAILS
SEE SHEET SP-9 FOR PROFILES AND DESCRIPTIONS
SEE SHEET SP-5A FOR MATCHLINES

EROSION AND SEDIMENT CONTROL SEQUENCE OF CONSTRUCTION

1. INSTALL CONSTRUCTION ENTRANCE IN LOCATION SHOWN BELOW
2. INSTALL ALL PERIMETER SILT FENCE
3. INSTALL INTERIOR SILT FENCE
4. CONSTRUCT PERMANENT DIVERSION DITCH
5. STRIP TOP SOIL AND STOCKPILE AS SHOWN BELOW AND ENCLOSE WITH SILT FENCE
6. INSTALL ALL INLETS AND INLET PROTECTION (SEE IP DETAILS, SHEET SP-6 & SP-7)
7. TEMPORARY AND PERMANENT SEED AS REQUIRED, ROUGHING SURFACE AS REQUIRED
8. INSPECT ALL EROSION AND SEDIMENT CONTROL MEASURES AS REQUIRED
9. MAINTAIN AND REPAIR EROSION AND SEDIMENT CONTROL MEASURES AS REQUIRED
10. REMOVE ALL EROSION AND SEDIMENT CONTROL MEASURES AS REQUIRED WHEN SITE HAS STABILIZED AND VEGETATED

ROOF LEADER SCHEDULE

- | | |
|---|--|
| (A) BEGINNING OF SYSTEM
INV. 992.00 | (D) CLEANOUT
INV. 990.70 |
| (A)-(B) 33'-NEW 8" SDR35 PVC @ 1.0% | (D)-(J) 97'-NEW 8" SDR35 PVC @ 1.2% |
| (B) CLEANOUT
INV. 991.70 | (J) CONNECT TO INLET BASE OF STRUCTURE #6
INV. 989.50 |
| (B)-(C) 50'-NEW 8" SDR35 PVC @ 1.0% | (E) BEGINNING OF SYSTEM
INV. 992.00 |
| (C) ADS/NYLOPLAST 12" DRAIN BASIN #2812AG025
ADS/NYLOPLAST 12" PED. GRATE #1299CG12
TOP ELEV. 994.6 INV. 991.20 | (E)-(F) 32'-NEW 8" SDR35 PVC @ 1.3% |
| (C)-(D) 48'-NEW 8" SDR35 PVC @ 1.1% | (F) CLEANOUT
INV. 991.60 |
| | (F)-(G) 90'-NEW 8" SDR35 PVC @ 1.2% |
| | (G) CONNECT TO INLET BASE
INV. 990.50 |
| | (H) BEGINNING OF SYSTEM
INV. 992.00 |
| | (I) CLEANOUT
INV. 991.1 |
| | (H)-(I) 59'-NEW 8" SDR35 PVC @ 1.5% |
| | (K) BEGINNING OF SYSTEM
INV. 992.00 |
| | (K)-(L) 32'-NEW 8" SDR35 PVC @ 1.9% |
| | (L) CONNECT TO INLET BASE
INV. 991.40 |
| | (M) 9 L.F. NEENAH R-4996-A2 H.D. TRENCH
FRAME W/ TYPE B GRATE, BOTTOM OUTLET
TOP ELEV. 997.8 |
| | (M)-(J) 14'-NEW 8" SDR35 PVC @ 2.2% |

ROOF LEADER & ROOF DRAIN NOTES

ALL DOWNSPOUT LOCATIONS NOT SHOWN ON PLANS, COORDINATE W/ ARCHITECTURAL & PLUMBING PLANS

CONNECTIONS FROM ROOF DRAINS TO THE ROOF LEADERS SHALL BE MADE WITH FABRICATED WYES OR BENDS.

ROOF DRAINS SHALL CONNECT TO DOWNSPOUTS WITH DOWNSPOUT ADAPTERS, FERNCO COUPLERS OR AN APPROVED EQUIVALENT.

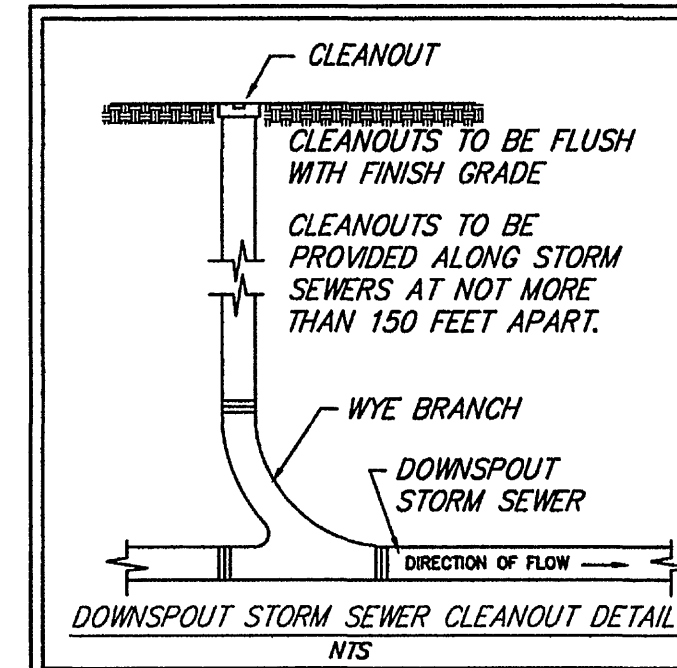
CLEANOUTS FOR ROOF LEADERS, TO BE CUT OFF FLUSH WITH FINAL GRADE. ALL CLEANOUTS IN PAVEMENT TO BE EQUIPPED WITH A TRAFFIC BEARING CLEANOUT BOX

ALL PIPES MUST HAVE A MINIMUM OF 1.0% SLOPE.

VERIFY ADS/NYLOPLAST PART NUMBERS PRIOR TO ORDERING

THE SYSTEMS ARE DESIGNED TO CARRY THE 25-YEAR STORM EVENT BASED ON A 5-MINUTE INTENSITY OF 6.15 IN/HR.

$Q_{25} = 6.15 \text{ IN/HR} \times 0.38 \text{ AC} \times 0.9 = 2.10 \text{ CFS TOTAL}$
 $\frac{1}{2} \text{ OF BUILDING DRAINS TO EACH SIDE } 2.1/2 = 1.1 \text{ CFS}$
CAPACITY OF 8" PVC @ 1.00% SLOPE = 1.35 CFS
1.1 CFS < 1.35 CFS, THEREFORE ADEQUATE

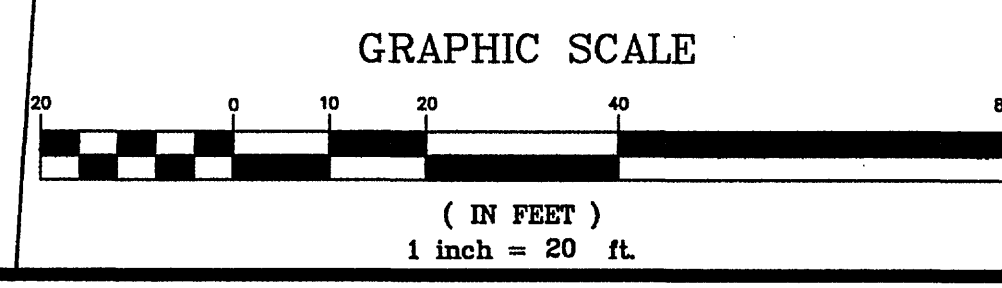


APPROVED

SEE SHEET SP-10 FOR WATERLINE ALIGNMENT AND WWA DETAILS

EXISTING 54" X 38" ARCH CMP
INV(IN) 995.70
INV(OUT) 995.52

REMOVE 5' OF EXISTING ARCH PIPE



TAX PARCEL 038.16-01-06
GOLDEN OAK ERA ANTIQUES
D.B. 1298, PG. 559
ZONED R1

DATE: APR. 4, 2008

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