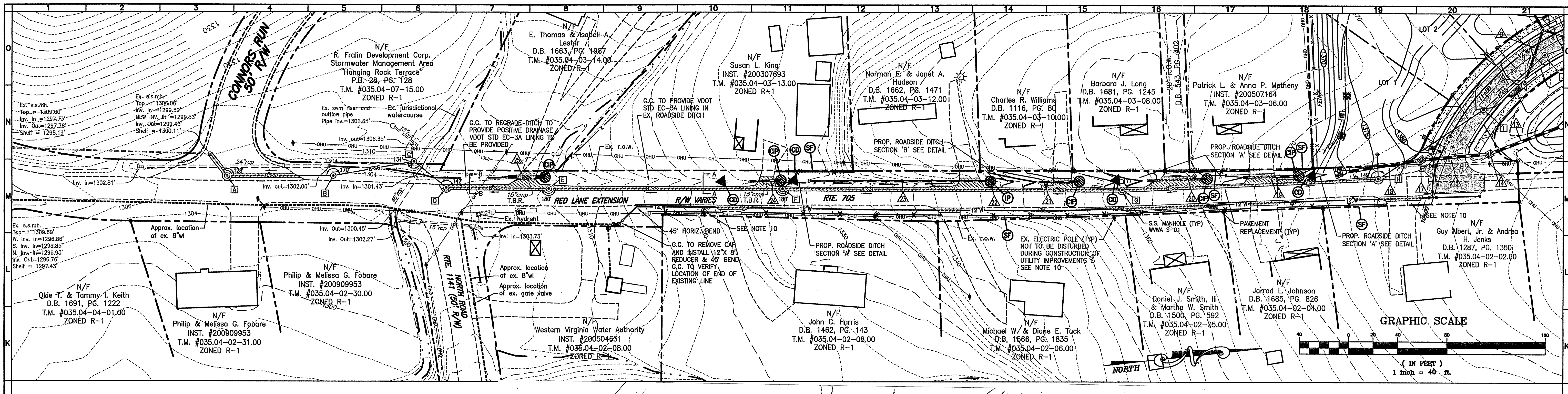




UTILITY INSTALLATION NOTES:

- G.C. TO FURNISH AND INSTALL TAPPING SLEEVE AND VALVE FOR WATERLINE CONNECTION, TAP TO BE MADE BY WWA. CONTRACTOR SHALL BE RESPONSIBLE FOR EXCAVATION AND SHORING PER OSHA REGULATIONS.
- G.C. TO MAKE SANITARY SEWER TAP TO EXISTING MANHOLE. MANHOLE CONNECTION TO BE CORED WITH A BOOT INSTALLED.
- UTILITY CONSTRUCTION SHALL BE PERFORMED IN A MANNER THAT MINIMIZES THE IMPACT TO EXISTING RESIDENTS ALONG RED LANE EXTENSION.
- ALL DRIVEWAYS, MAILBOXES, ETC. DISTURBED BY CONSTRUCTION SHALL BE REPAIRED TO ORIGINAL EXISTING CONDITION IMMEDIATELY FOLLOWING UTILITY CONSTRUCTION. CONSTRUCTION SHALL BE SEQUENCED TO MINIMIZE THE LENGTH OF TIME THAT THESE AREAS ARE DISTURBED AND THE IMPACT TO EXISTING RESIDENTS.
- THE NATURAL WATERCOURSE SHALL BE RETURNED TO EXISTING CONDITION IMMEDIATELY FOLLOWING COMPLETION OF THE SANITARY SEWER LINE FROM MANHOLE 'C' TO MANHOLE 'D'.
- VDOT SHALL BE NOTIFIED PRIOR TO ANY WORK IN THE RIGHT-OF-WAY. THE G.C. SHALL COORDINATE MAINTENANCE OF TRAFFIC PLAN WITH VDOT PRIOR TO CONSTRUCTION.
- MATCH EXISTING RED LANE EXTENSION PAVEMENT SECTION FOR ALL AREAS OF PAVEMENT REPLACEMENT.
- EXISTING UTILITY POLES SHALL NOT BE DISTURBED DURING UTILITY LINE CONSTRUCTION.
- G.C. TO INSPECT EXISTING CULVERT #4 TO DETERMINE CONDITION OF PIPE. IF PIPE IS NOT IN GOOD CONDITION OR IS DAMAGED DURING CONSTRUCTION, IT SHALL BE REPLACED AT NO ADDITIONAL COST TO THE OWNER.
- A MINIMUM OF 4.5' OF HORIZONTAL SEPARATION REQUIRED BETWEEN THE OUTSIDE OF THE PROPOSED 12" WATERLINE AND EXISTING POWER POLES OR R.O.W. LINE.
- PAVEMENT REPLACEMENT SHALL BE PER THE PAVEMENT RESTORATION DETAIL ON THIS SHEET.

ROADS

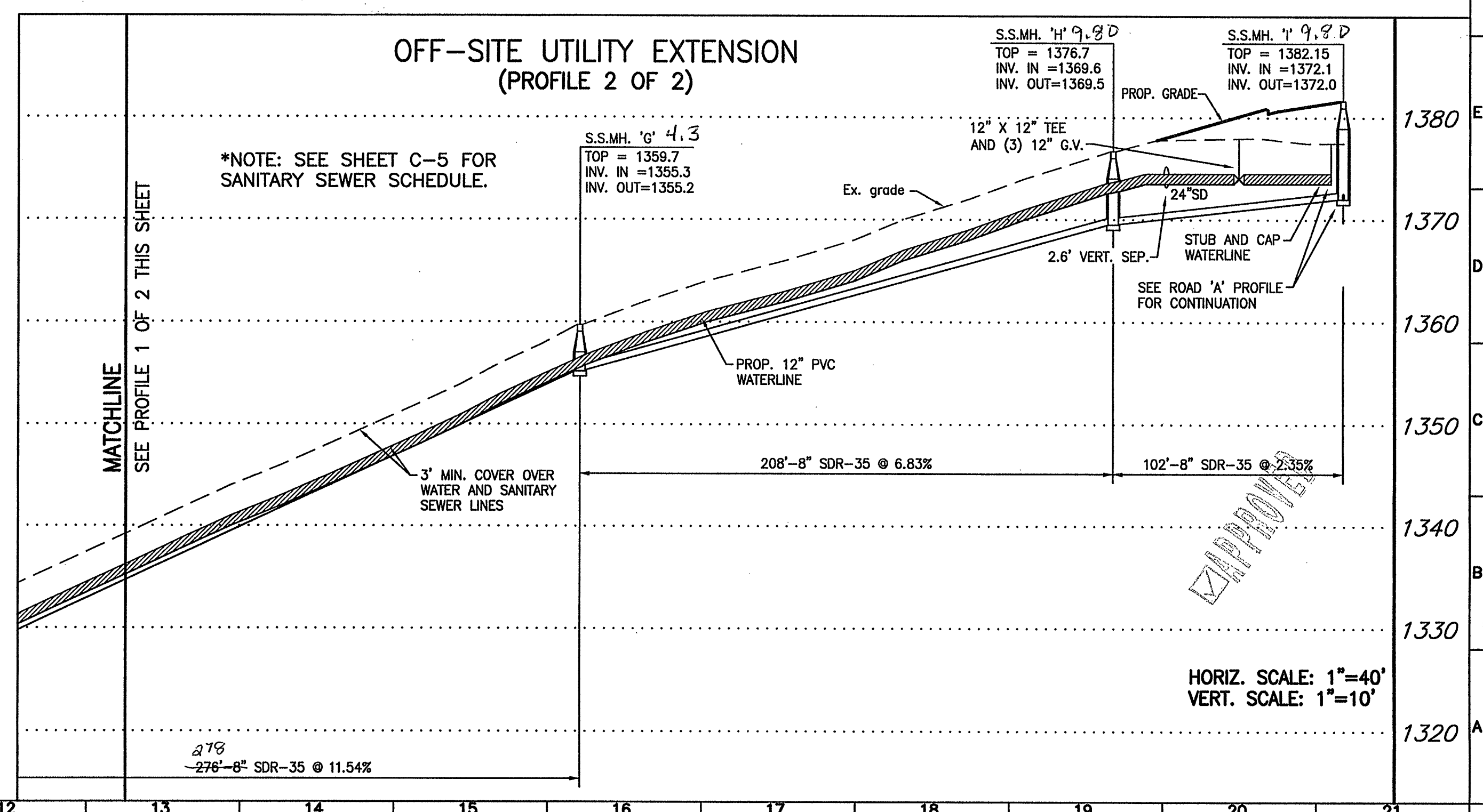
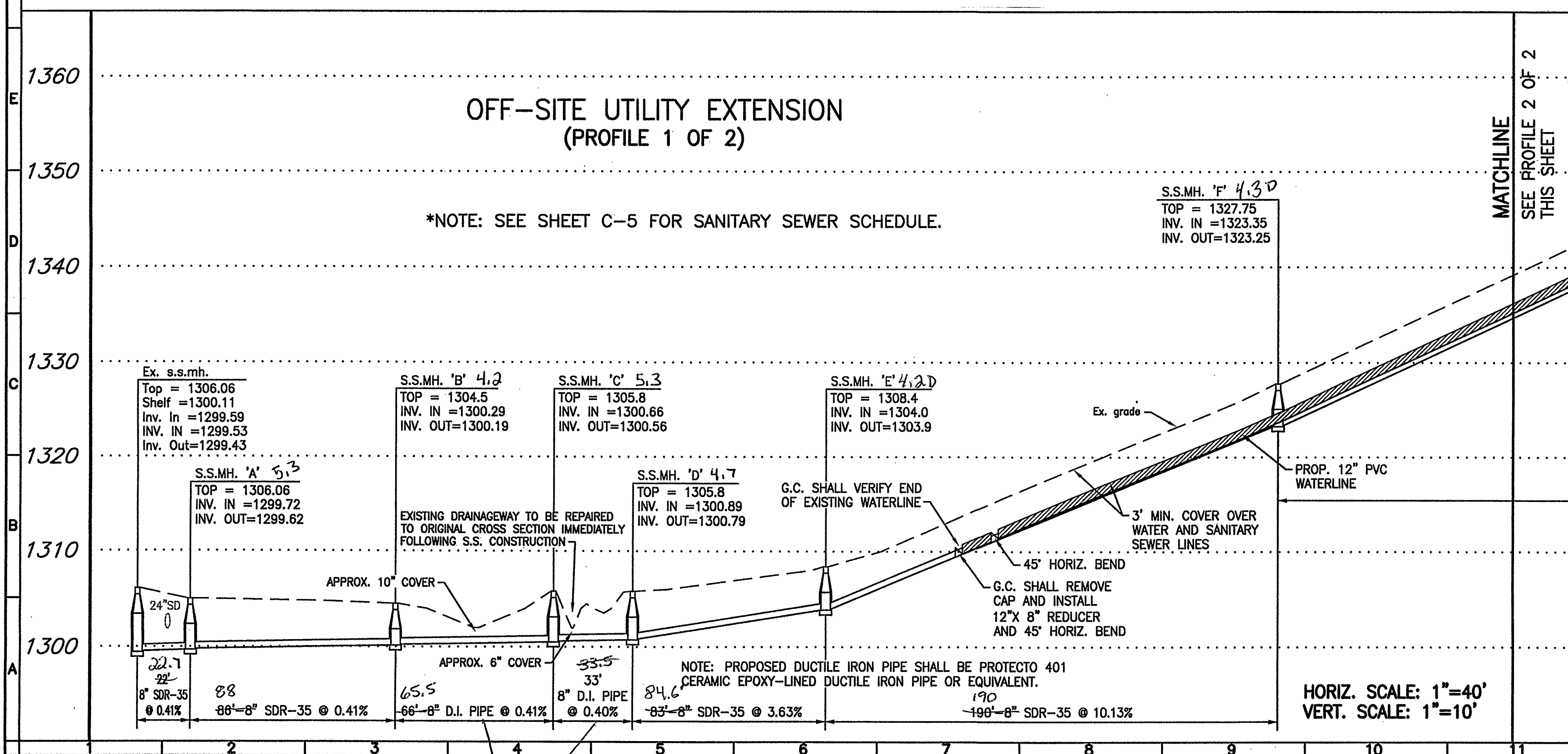
2" SHOULDER
AT 8.33% SLO

ROADS

2" SHOULDER
AT 8.33% SLO

PERMITTING

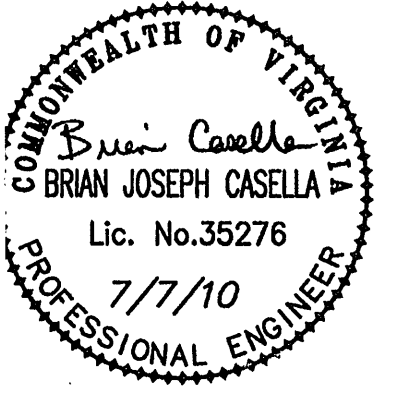
THE NATURAL DRAINAGE JURISDICTIONAL BA DETERMINATION PI ENGINEERS, DATED RESPONSIBLE FOR UNITED STATES AR DEPARTMENT OF E CULVERT #16 AND SANITARY SEWER I CROSSING THE EXI ALL REQUIRED PEI DISTURBANCE TO 1



New River Valley
Richmond
Roanoke
Shenandoah Valley

RESIDENTIAL LAND DEVELOPMENT ENGINEERING
SITE DEVELOPMENT ENGINEERING
LAND USE PLANNING & ZONING
LANDSCAPE ARCHITECTURE
LAND SURVEYING
ARCHITECTURE
STRUCTURAL ENGINEERING
GEOTECHNICAL ENGINEERING
TRANSPORTATION ENGINEERING
ENVIRONMENTAL & SOIL SCIENCE
WETLAND DELINEATIONS & STREAM EVALUATIONS

Balzer and Associates, Inc.
1208 Corporate Circle
Roanoke, VA 24018
540-772-9580
FAX 540-772-8050



ST. CLAIR GARDENS
OFF-SITE UTILITY EXTENSION
CATAMBA DISTRICT
ROANOKE COUNTY, VIRGINIA

DRAWN BY CPB
DESIGNED BY CPB
CHECKED BY BJC
DATE 01-08-10
SCALE AS SHOWN
REVISIONS:
03-25-10
04-30-10
05-27-10
07-07-10

SHEET NO.
C-6
JOB NO. R030098.00