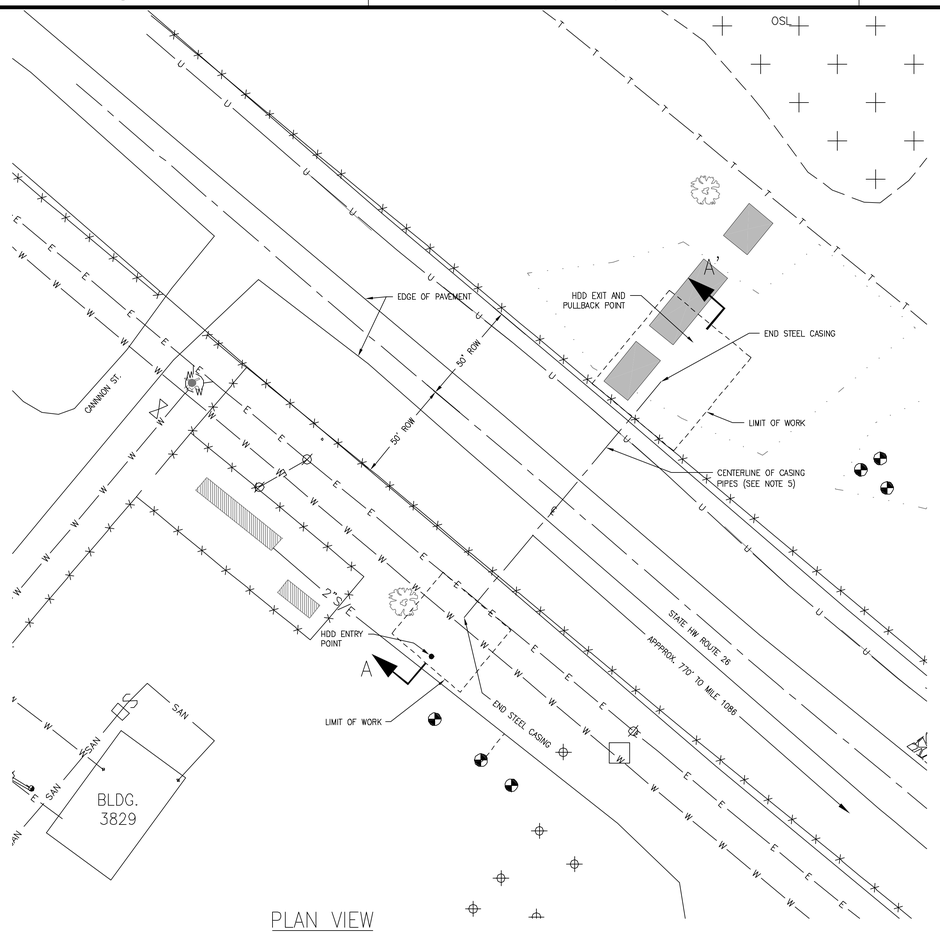



PLAN VIEW

SCALE: 1" = 30'

## LEGEND

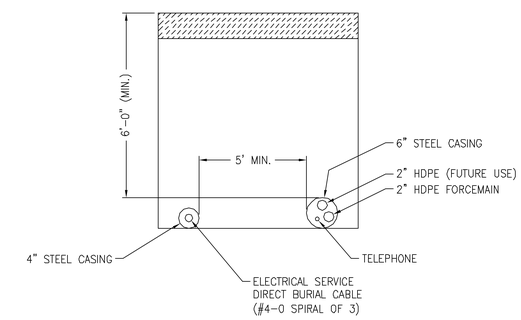
- 605 — INTERMEDIATE CONTOUR (1' INTERVAL)
- FENCELINE
- ROAD (PAVED)
- RAILROAD
- RAVINE
- MONITORING WELL
- RECOVERY WELL
- PIEZOMETER
- TEMPORARY WELL
- WOODED AREA
- TRAILER
- BUILDING
- UTILITY POLE

## UTILITIES

- E — ELECTRIC SERVICE (OVERHEAD)
- SAN — SANITARY SERVICE
- T — TELEPHONE SERVICE
- W — WATER LINE
- U — COMMUNICATION LINE
- 2"S/E — ABANDONED BURIED 2" PVC SANITARY LINE (5 FT BGS) 240V & 12V ELECTRIC CONDUITS (2 FT BGS)

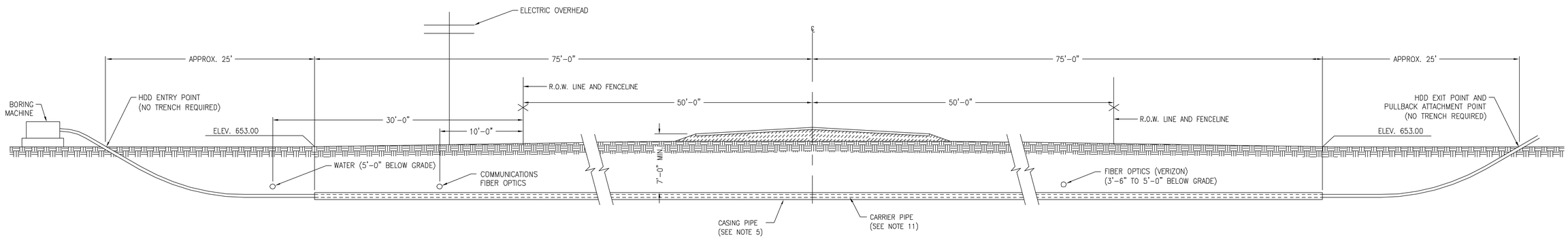
NOTES:

1. SYRACUSE UTILITIES, INC. PERFORMED ALL DRILLING AND CASING PIPE INSTALLATION.
2. ALL UNDERGROUND UTILITIES WERE FIELD VERIFIED BY HAND EXCAVATION PRIOR TO EXCAVATION OR DRILLING BY SYRACUSE UTILITIES INC.
3. CASING PIPES WERE INSTALLED USING HORIZONTAL DIRECTIONAL DRILLING METHODS. DRILLING WAS COMPLETED AT GROUND SERVICE OUTSIDE OF THE STATE RIGHT-OF-WAY.
4. DIAMETER OF DRILLING DID NOT EXCEED DIAMETER OF THE CASING PIPE BY MORE THAN THREE INCHES.
5. ONE 4-INCH DIAMETER STEEL CASING PIPE AND ONE 6-INCH DIAMETER STEEL CASING PIPE WAS INSTALLED HORIZONTALLY UNDER ROAD SURFACE, EACH PIPE WAS APPROXIMATELY 150-FEET LONG. CASING PIPES ARE ASTM A-139 GRADE B OR EQUIVALENT WITH STRENGTH OF 35,000 PSI.
6. CASING PIPES WERE INSTALLED A MINIMUM OF 5-FEET APART.
7. THE CROWN OF THE CASING PIPE WAS INSTALLED 7-FEET BELOW THE ROAD SURFACE.
8. FINAL CASING PIPE ELEVATION WAS DETERMINED BASED ON LOCATION OF EXISTING UTILITIES AND SEPARATION REQUIREMENTS. (ALL UTILITY AGENCIES REQUIRED A MINUMUM OF 12" OF SEPERATION)
9. ALL WORK WAS COMPLETED OUTSIDE OF THE STATE RIGHT-OF-WAY AND DID NOT INTERRUPT TRAFFIC.
10. UTILITIES WERE INSTALLED IN THE CASING PIPE. THE 6-INCH DIAMETER STEEL CASING PIPE CONTAINS A 2-INCH DIAMETER HDPE FORCEMAIN, A 2-INCH HDPE SPARE, AND A TELEPHONE LINE. THE 4-INCH DIAMETER STEEL CASING PIPE CONTAINS ELECTRICAL SERVICE DIRECT BURIAL CABLE.
11. BASE DRAWING SOURCE: "TOPOGRAPHIC MAP OF A PORTION OF AREA 3805 AND AREA 1995 FOR CAPE ENVIRONMENTAL MANAGEMENT, NYS. ROUTE 26 AND ONIEDA AVE." DECEMBER 17, 2002 BY GYMO ARCHITECTURE ENGINEERING LAND SURVEYING P.C.




ROAD BORING

NOT TO SCALE




CROSS SECTION A-A'

SCALE: 1" = 5'

FINAL AS-BUILT

US Army Corps of Engineers

U.S. ARMY ENGINEER DISTRICT, BALTIMORE
CORPS OF ENGINEERS
BALTIMORE, MARYLAND

SOURCE AREA REMEDIAL SYSTEM
GASOLINE ALLEY AREAS 3805 & 1995
FORT DRUM, NEW YORK

NYS ROUTE 26 ROAD CROSSING

EA ENGINEERING, P.C.

| DRAWING NUMBER | PLATE |
|---|---|
| N/A | C-5 |

| SCALE: AS NOTED | DATE: SEPT. 2004 | SHEET 5 |
|---|---|---|

FILE: Syracuse_fp/Syracuse/Working Projects\Fort Drum Projects\MARC\Design\drawings from Iovetson\final design drawings\C-5.dwg [Layout1]