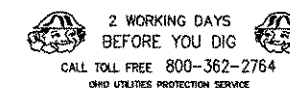


CONSTRUCTION NOTE:
 PROPOSED 2" STEEL GAS LINE TO BE DIRECTIONALLY
 DRILLED, EXCEPT IN AREAS WITH POSSIBLE EXISTING
 UTILITY CONFLICTS. CONTRACTOR SHALL VERIFY
 LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO
 CONSTRUCTION.

NO ROADWAY WILL BE OPEN CUT WITHOUT PERMIT
 FROM CITY BUILDING DEPARTMENT.
 ANY DRIVES OR SIDEWALK DAMAGED SHALL BE
 REPLACED IN KIND OR AS DIRECTED BY CITY ENGINEER.

SEE SHEET 20 AND 22 FOR NOTES AND DETAILS.

LOST NATION ROAD

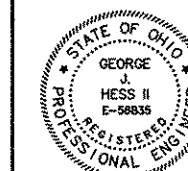


HESS & ASSOCIATES
 ENGINEERING INC.

12121 KINSMAN ROAD
 NEWBURY, OHIO 44065

Telephone: (440) 564-8008
 Fax: (440) 564-8176

PREPARED UNDER THE
 SUPERVISION OF:



REVISIONS

PRINTED: JUNE 24, 2005

ORWELL NATURAL GAS
 LOST NATION ROAD DISTRIBUTION LINE
 Plan
 STA. 140+00 Thru STA. 142+87± (LOST NATION ROAD)
 PROJECT LOCATION:
 CITY OF WILLOUGHBY, LAKE COUNTY, STATE OF OHIO

Project Name and Address

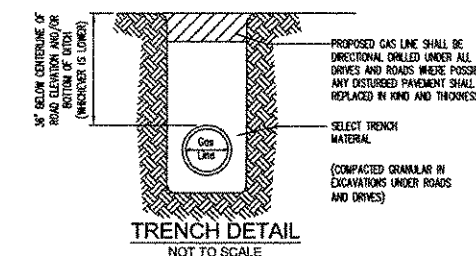
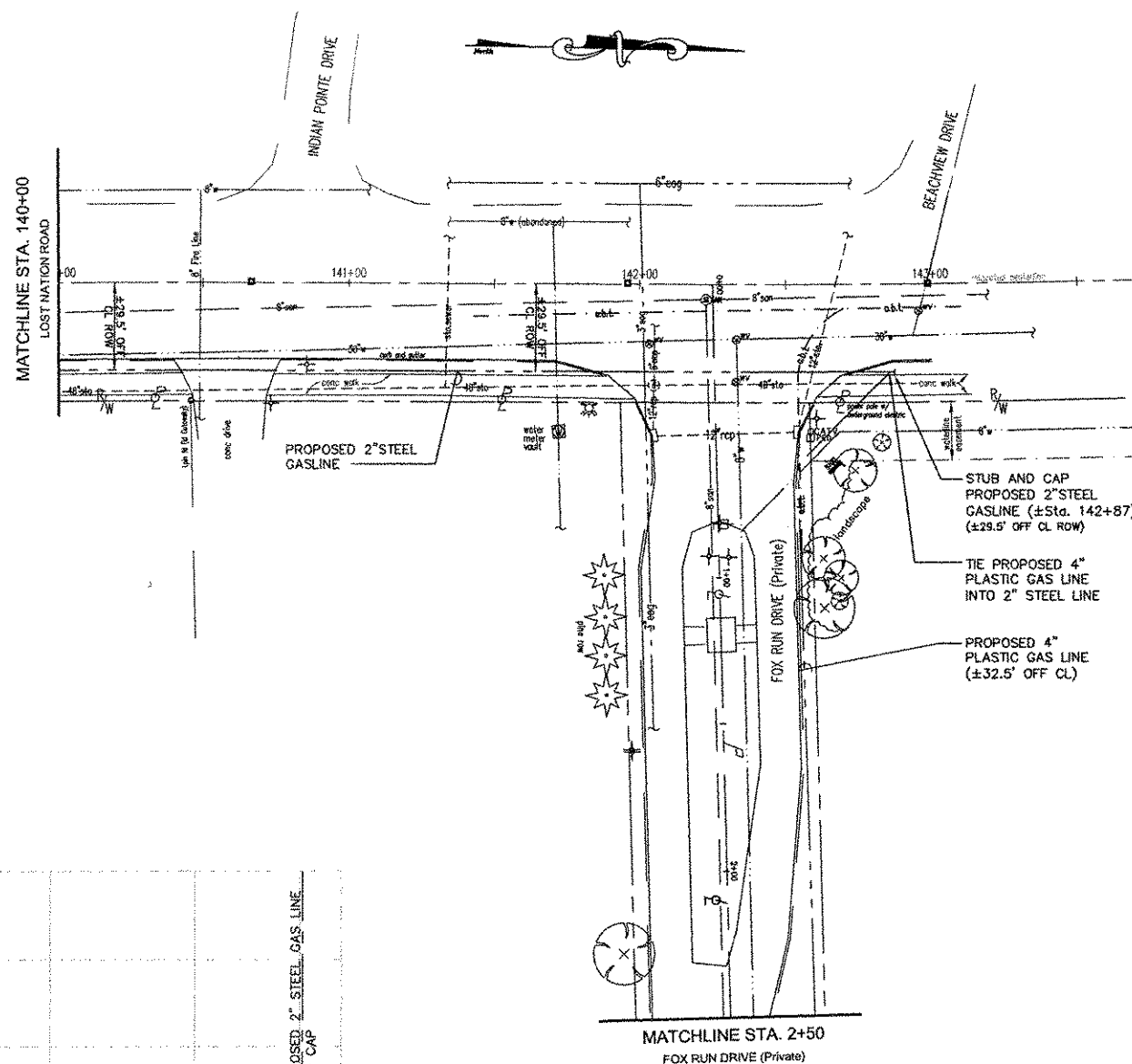
ORWELL NATURAL GAS
 8500 STATION STREET
 SUITE 100
 MENTOR, OHIO 44060

Telephone: (440) 205-4600
 Fax: (440) 974-5114

Contact Person:
 Mr. Ottar Magnusson
 Mobile # (440) 669-6700

HESS Project: LOST NATION ROAD

DESIGNED BY: JED
 DRAWN BY: JED/SSD
 CHECKED BY: GJH
 DATE: 06/2005
 SCALE: 1"=30' H.
 1"=8' V. 20 of 22



GENERAL NOTES:

- 1) SURVEY NOTE:
 PROPERTY LINES, RIGHT OF WAY AND CENTERLINE ARE ALL BASED ON LAKE COUNTY GIS, COUNTY AND STATE ROAD RECORDS OR RECORDED PLATS AND FIELD SURVEY. PRIOR TO CONSTRUCTION SCHWARTZ LAND SURVEYING, INC. SHALL ESTABLISH AND STAKE CENTERLINE RIGHT OF WAY AND RIGHT OF WAY.
- 2) UNDERGROUND UTILITIES NOTE:
 THE LOCATION OF BOTH HORIZONTAL AND VERTICAL UNDERGROUND UTILITIES SHOWN HEREON, HAVE BEEN OBTAINED BY A DILIGENT SEARCH OF AVAILABLE RECORDS, AND FIELD DATA COLLECTION BY SCHWARTZ LAND SURVEYING, INC. ACTUAL LOCATION OF EXISTING UTILITIES MAY VARY. CONTRACTOR SHALL FIELD VERIFY THE ACTUAL LOCATION OF ALL ABOVE AND UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
 (HESS & ASSOCIATES ENGINEERING, INC. DOES NOT GUARANTEE THE COMPLETENESS, NOR ACCURACY THEREOF.)
- 3) EROSION CONTROL AND SEEDING SPECIFICATIONS:
 DURING WINTER MONTHS, ALL WORK AREAS SHALL BE STABILIZED WITHIN SEVEN (7) DAYS OF PIPE INSTALLATION.
 ALL AREAS TO BE GRADED AND SEEDING WITHIN 14 DAYS OF COMPLETION.
 EROSION CONTROL MEASURES TO BE USED AS NEEDED OR REQUIRED BY THE CITY ENGINEER.
- 4) DRIVEWAYS and DRIVE CULVERTS:
 ASPHALT DRIVEWAYS SHALL BE REPAIRED PRIOR TO WINTER, IN THE EVENT THAT THIS CANNOT BE DONE DUE TO PLANT CLOSURE, TEMPORARY STONE SHALL BE MAINTAINED UNTIL SPRING. HOME OWNERS SHALL BE NOTIFIED IN THE EVENT THAT A DRIVE WILL BE CLOSED. CLOSURE TIME SHALL BE MINIMIZED.
 DISTURBANCE TO DRIVEWAY CULVERTS SHALL BE AVOIDED. IN THE EVENT THAT A CULVERT IS DISTURBED OR DAMAGED, THE CONTRACTOR SHALL REPAIR AS PER CITY ENGINEER.
- 5) GENERAL INSTALLATION CRITERIA:
 PROPOSED GAS LINE SHALL BE CONSTRUCTED A MINIMUM OF 3'-0" FROM CENTER OF POLE TO CENTER OF GAS LINE, (TYPICAL ALL POLES). THE PROPOSED GAS LINE SHALL MAINTAIN A MINIMUM 1' HORIZONTAL CLEARANCE WITH EXISTING UTILITIES, IF FOR SOME REASON THIS IS NOT POSSIBLE, THE CONTRACTOR SHALL COORDINATE WITH APPROPRIATE UTILITY COMPANY.
- 6) MAINTENANCE OF TRAFFIC:
 ALL SIGNAGE AND BARRIERS SHALL BE PER THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES SPECIFICATIONS (AS LISTED IN PART 7) AND SHALL BE PLACED PRIOR TO ANY OPERATION THAT WILL RESTRICT TRAFFIC FLOW. TRAFFIC CONTROL WILL BE EVALUATED ON AN INDIVIDUAL BASIS WHICH MAY RESULT IN ADDITIONAL TRAFFIC CONTROL REQUIREMENTS BEYOND THESE MINIMUM STANDARDS.

