

F:\Land Projects\Orwell Natural Gas\Lost Nation Road\dwg\LostNation-South.dwg 3/7/2006 10:41:23 AM EST

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 5' HORIZONTAL SEPARATION BETWEEN WATER AND SANITARY SEWER LINES AND 1' HORIZONTAL SEPARATION BETWEEN EXISTING UTILITIES, IF FOR SOME REASON THIS IS NOT POSSIBLE, THE CONTRACTOR SHALL COORDINATE WITH APPROPRIATE UTILITY COMPANY.

CONTRACTOR SHALL VERIFY LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION

ANY ROAD UNDERDRAINS DISTURBED MUST BE REPLACED, AS PER THE CITY OF WILLOUGHBY SPECIFICATIONS.

FIRE HYDRANTS ARE BACKED BLOCKED, DO NOT OPEN TRENCH DIRECTLY BEHIND A FIRE HYDRANT. CONTRACTOR SHALL MAINTAIN A MIN. 3' HORIZONTAL CLEARANCE FROM FIRE HYDRANT WHEN DIRECTIONAL DRILLING BEHIND.

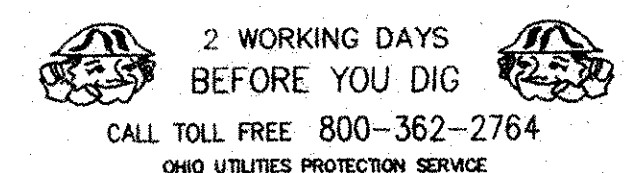
WATER SERVICE CONNECTIONS TO HOUSES ARE ±3'-4' DEEP. CONTRACTOR IS RESPONSIBLE FOR LOCATING AND AVOIDING. ANY DAMAGE TO SERVICE LATERALS SHALL BE REPAIRED IMMEDIATELY.

NO ROADWAY WILL BE OPEN CUT WITHOUT PERMIT FROM CITY BUILDING DEPARTMENT.

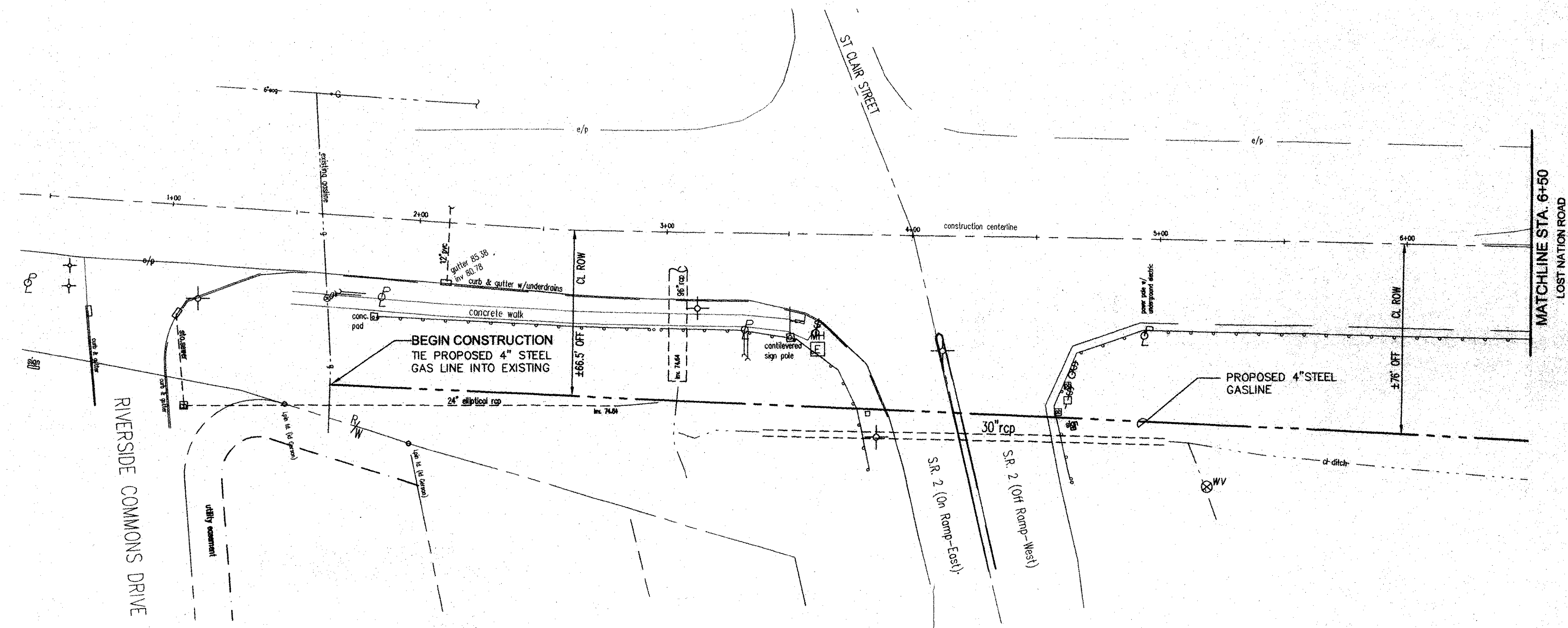
ANY DRIVES OR SIDEWALK DAMAGED SHALL BE REPLACED IN KIND OR AS DIRECTED BY CITY ENGINEER.

CONSTRUCTION NOTE:
 PROPOSED 4" 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, HAND DIGGING MAY BE REQUIRED.

SEE SHEET 15 FOR ADDITIONAL NOTES AND DETAILS.



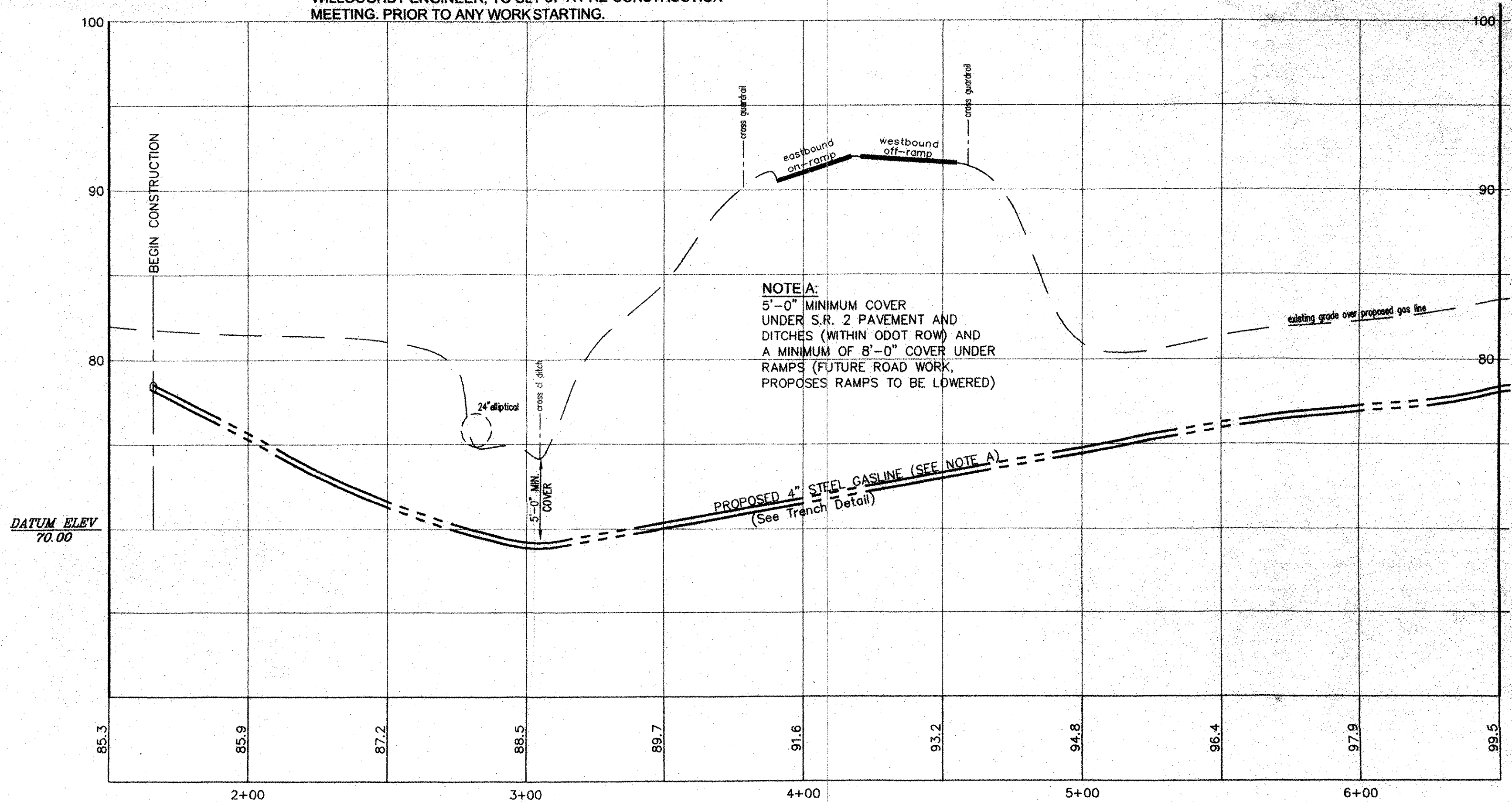
CITY OF WILLOUGHBY AND/OR UTILITY COMPANIES WILL BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE AND VERIFY DEPTH OF EXISTING UTILITIES, AND/OR THE CONTRACTOR SHALL POTHOLE AND LOCATE EXISTING UTILITIES PRIOR TO ANY DRILLING



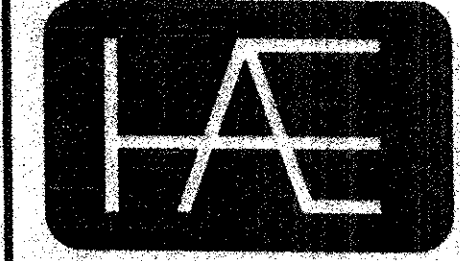
LOST NATION ROAD (R/W Varies)



PRE-CONSTRUCTION CONFERENCE:
 THE CONTRACTOR/OWNER SHALL CONTACT THE CITY OF WILLOUGHBY ENGINEER, TO SET UP A PRE-CONSTRUCTION MEETING. PRIOR TO ANY WORK STARTING.



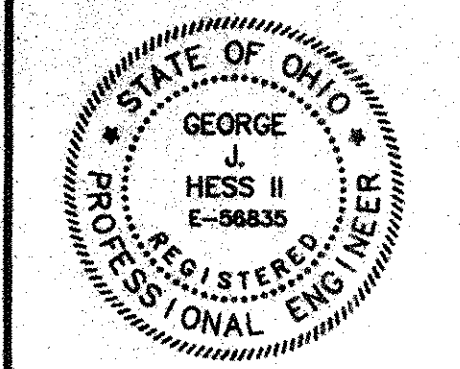
NOTE A:
 5'-0" MINIMUM COVER UNDER S.R. 2 PAVEMENT AND DITCHES (WITHIN ODOT ROW) AND A MINIMUM OF 8'-0" COVER UNDER RAMPS (FUTURE ROAD WORK, PROPOSES RAMPS TO BE LOWERED)



**HESS & ASSOCIATES
 ENGINEERING INC.**
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PREPARED UNDER THE SUPERVISION OF:



REVISIONS

Printed: March 7, 2006

ORWELL NATURAL GAS
 LOST NATION ROAD DISTRIBUTION LINE
 Plan
 STA. 1+50 Thru STA. 6+50
 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 Magnussun
 Mobile # (440) 869-8700

HESS Project: LOST NATION ROAD
 DESIGNED BY: JED
 DRAWN BY: JED/SSD
 CHECKED BY: GJH
 DATE: 01/2006
 SCALE: 1"=30' H.
 1"=5' V. 2 of 15