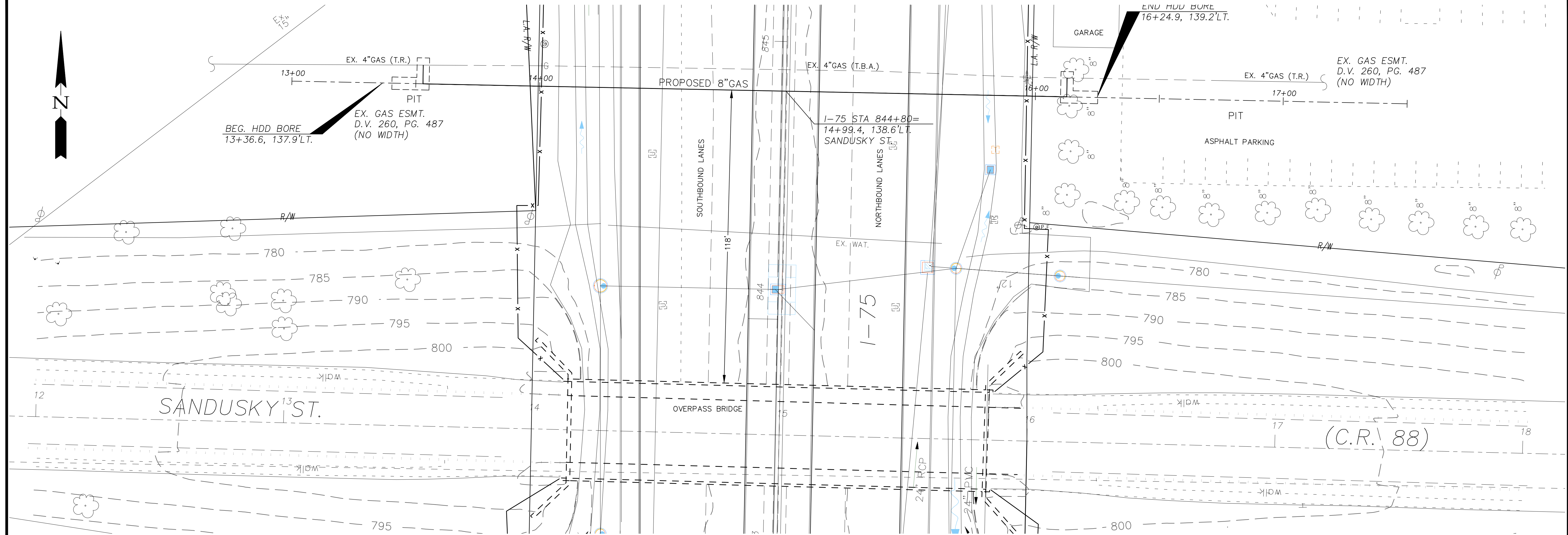
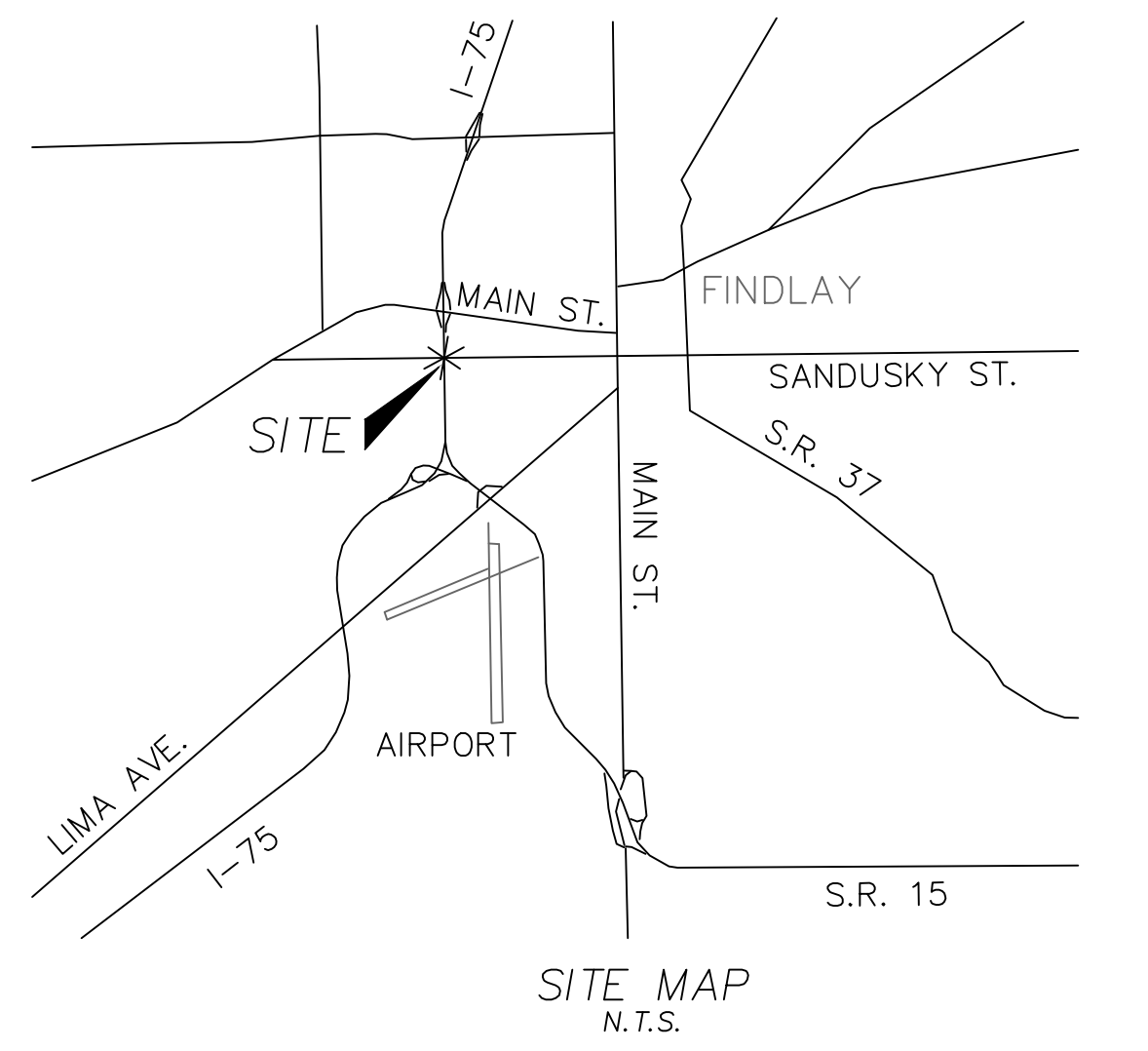
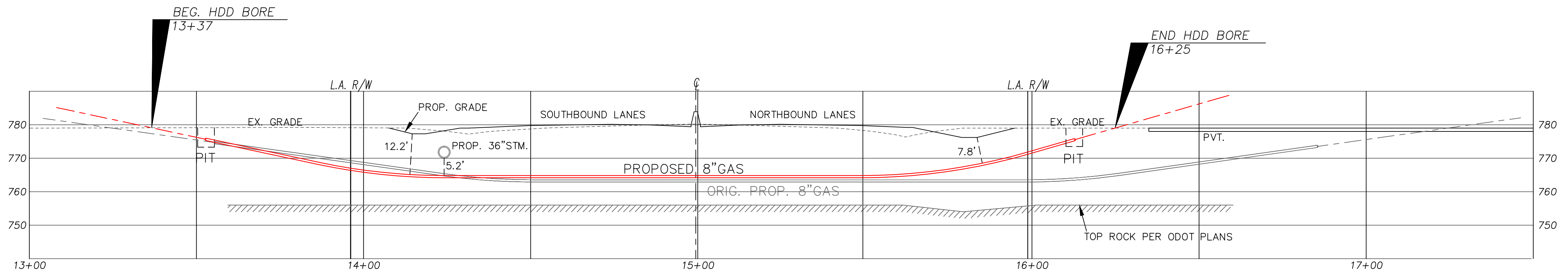


PLAN: 1"=20'



PIPELINE PROFILE - 1"=20' H&V
(LOOKING NORTH)



SPECIAL NOTES

1. VERIFY LOCATION AND DEPTH OF EXISTING UTILITIES BEFORE PERFORMING BORE.

GENERAL NOTES

HDD = HORIZONTAL DIRECTIONAL DRILL
 STATIONING AND R/W REFERENCED TO THE PLAN
 "HAN-75-14.39", CIRCA 2015.
 ELEVATIONS REFERENCED TO NAVD88 DATUM.
 ODOT PERMIT REQUIRED FOR CONSTRUCTION OF THIS PROJECT.

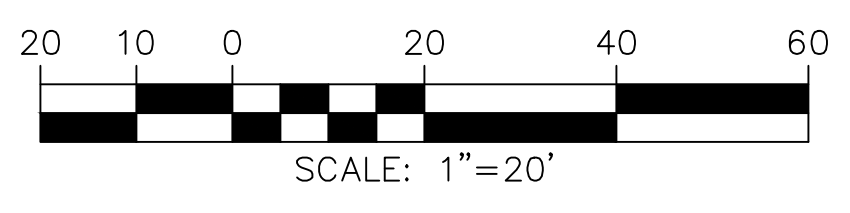
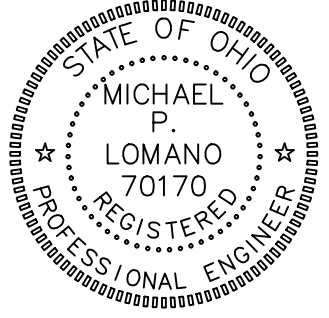
HDD PARAMETERS:

LENGTH OF BORE: 402 L.F.
 PIPE PULL THROUGH: 331 L.F.
 ENTRY ANGLE: 8°
 EXIT ANGLE: 8°
 BENDING RADIUS: 200' (MIN.)

REV. HDD PARAMETERS:

LENGTH OF BORE: 292 L.F.
 PIPE PULL THROUGH: 262 L.F.
 ENTRY ANGLE: 12°
 EXIT ANGLE: 16°
 BENDING RADIUS: 180' (MIN.)

PLAN & PROFILE DRAWING PREPARED BY:
 WESTERVILLE LAND SURVEYING, LLC
 90 E. COLLEGE AVE.
 WESTERVILLE, OH 43081
 (614) 899-2209



I-75 CROSSING AT SANDUSKY ST. COLUMBIA GAS OF OHIO, INC. - L.A. R/W PERMIT DRAWING			
PROJECT LOCATION: FINDLAY	WLS JOB No.: 15-176	DATE: 8/20/15	SHEET 1/1
COLUMBIA JOB No.: 14-0106591-00	DRAWN BY: MPL	REVISION DATES: 10/23/15	
COLUMBIA CONTACT: KURT SAUM 419-429-9809	SCALE: 1"=20'H&V		