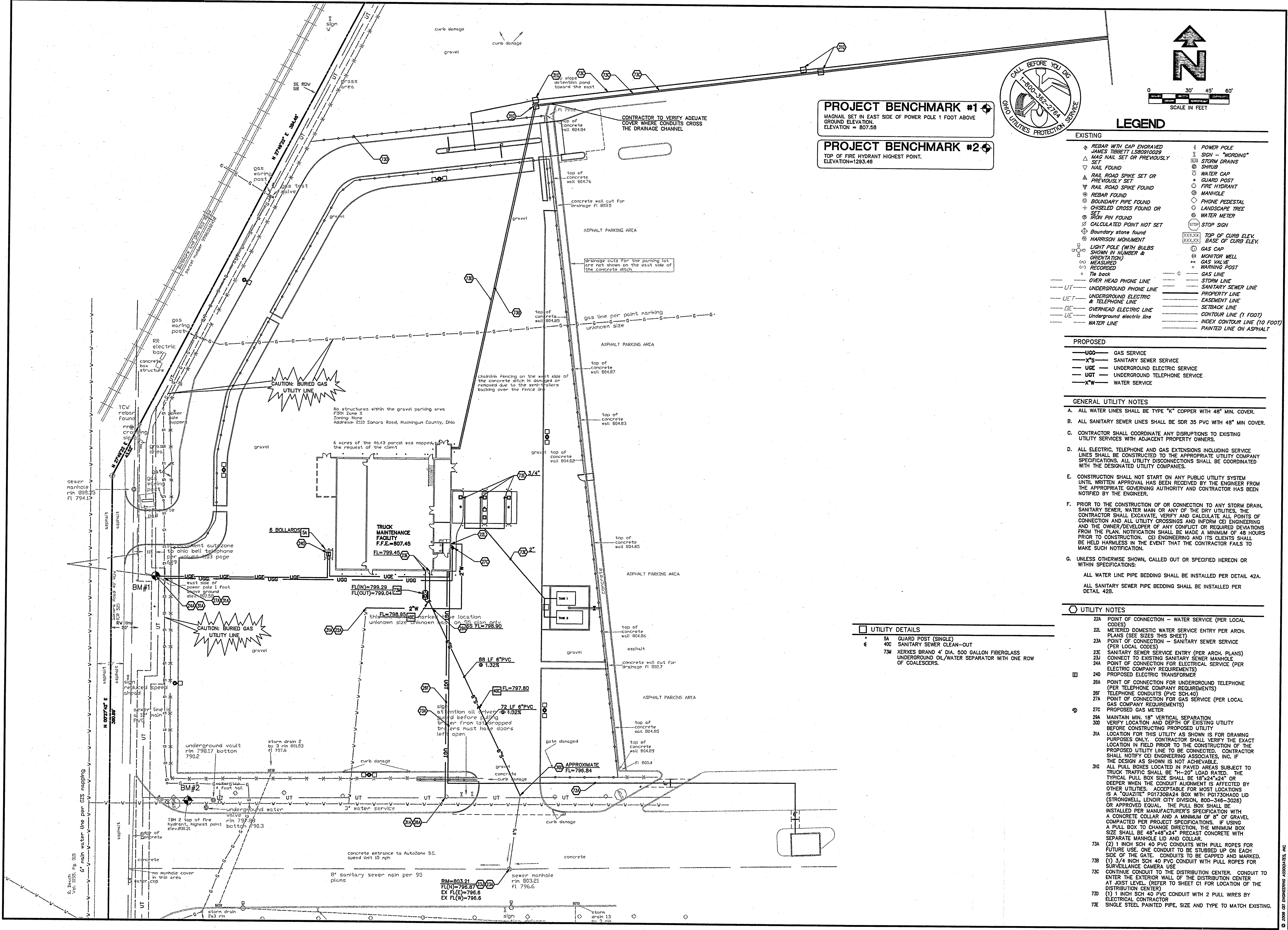




PROJECT BENCHMARK #1
MAGNAIL SET IN EAST SIDE OF POWER POLE 1 FOOT ABOVE
GROUND ELEVATION
ELEVATION = 807.58

PROJECT BENCHMARK #2
TOP OF FIRE HYDRANT HIGHEST POINT.
ELEVATION=1293.46



LEGEND

- | | |
|---|--------------------------------------|
| EXISTING | PROPOSED |
| REBAR WITH CAP ENGRAVED | POWER POLE |
| MAG NAIL SET OR PREVIOUSLY SET | SIGN - "WORDING" |
| RAILROAD SPIKE SET OR PREVIOUSLY SET | STORM DRAINS |
| BOUNDARY PIPE FOUND | WATER CAP |
| CHISELED CROSS FOUND OR SET | GUARD POST |
| IRON PIN FOUND | FIRE HYDRANT |
| CALCULATED POINT NOT SET | MANHOLE |
| Boundary stone found | PHONE PEDESTAL |
| HARRISON MONUMENT | LANDSCAPE TREE |
| LIGHT POLE (WITH BULBS SHOWN IN NUMBER & ORIENTATION) | WATER METER |
| MEASURED | STOP SIGN |
| RECORDED | TOP OF CURB ELEV. BASE OF CURB ELEV. |
| OVERHEAD PHONE LINE | GAS CAP |
| UNDERGROUND PHONE LINE | MONITOR WELL |
| UNDERGROUND ELECTRIC & TELEPHONE LINE | GAS VALVE |
| OVERHEAD ELECTRIC LINE | WARNING POST |
| Underground electric line | GAS LINE |
| WATER LINE | STORM LINE |
| | SANITARY SEWER LINE |
| | PROPERTY LINE |
| | EASEMENT LINE |
| | SETBACK LINE |
| | CONTOUR LINE (1 FOOT) |
| | INDEX CONTOUR LINE (10 FOOT) |
| | PAINTED LINE ON ASPHALT |

GENERAL UTILITY NOTES

- A. ALL WATER LINES SHALL BE TYPE "K" COPPER WITH 48" MIN. COVER.
- B. ALL SANITARY SEWER LINES SHALL BE SDR 35 PVC WITH 48" MIN COVER.
- C. CONTRACTOR SHALL COORDINATE ANY DISRUPTIONS TO EXISTING UTILITY SERVICES WITH ADJACENT PROPERTY OWNERS.
- D. ALL ELECTRIC, TELEPHONE AND GAS EXTENSIONS INCLUDING SERVICE LINES SHALL BE CONSTRUCTED TO THE APPROPRIATE UTILITY COMPANY SPECIFICATIONS. ALL UTILITY DISCONNECTIONS SHALL BE COORDINATED WITH THE DESIGNATED UTILITY COMPANIES.
- E. CONSTRUCTION SHALL NOT START ON ANY PUBLIC UTILITY SYSTEM UNTIL WRITTEN APPROVAL HAS BEEN RECEIVED BY THE ENGINEER FROM THE APPROPRIATE GOVERNING AUTHORITY AND CONTRACTOR HAS BEEN NOTIFIED BY THE ENGINEER.
- F. PRIOR TO THE CONSTRUCTION OF OR CONNECTION TO ANY STORM DRAIN, SANITARY SEWER, WATER MAIN OR ANY OF THE DRY UTILITIES, THE CONTRACTOR SHALL EXCAVATE, VERIFY AND CALCULATE ALL POINTS OF CONNECTION AND ALL UTILITY CROSSINGS AND INFORM CEI ENGINEERING AND THE OWNER/DEVELOPER OF ANY CONFLICT OR REQUIRED DEVIATIONS FROM THE PLAN. NOTIFICATION SHALL BE MADE A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION. CEI ENGINEERING AND ITS CLIENTS SHALL BE HELD HARMLESS IN THE EVENT THAT THE CONTRACTOR FAILS TO MAKE SUCH NOTIFICATION.
- G. UNLESS OTHERWISE SHOWN, CALLED OUT OR SPECIFIED HEREON OR WITHIN SPECIFICATIONS:
- ALL WATER LINE PIPE BEDDING SHALL BE INSTALLED PER DETAIL 42A.
- ALL SANITARY SEWER PIPE BEDDING SHALL BE INSTALLED PER DETAIL 42B.

UTILITY NOTES

- 22A POINT OF CONNECTION - WATER SERVICE (PER LOCAL CODES)
- 22B METERED DOMESTIC WATER SERVICE ENTRY PER ARCH. PLANS (SEE SIZES THIS SHEET)
- 23A POINT OF CONNECTION - SANITARY SEWER SERVICE (PER LOCAL CODES)
- 23B SANITARY SEWER SERVICE ENTRY (PER ARCH. PLANS)
- 23C CONNECT TO EXISTING SANITARY SEWER MANHOLE
- 24A POINT OF CONNECTION FOR ELECTRICAL SERVICE (PER ELECTRIC COMPANY REQUIREMENTS)
- 24B PROPOSED ELECTRIC TRANSFORMER
- 26A POINT OF CONNECTION FOR UNDERGROUND TELEPHONE (PER TELEPHONE COMPANY REQUIREMENTS)
- 26B TELEPHONE CONDUITS (PVC SCH.40)
- 27A POINT OF CONNECTION FOR GAS SERVICE (PER LOCAL GAS COMPANY REQUIREMENTS)
- 27C PROPOSED GAS METER
- 29A MAINTAIN MIN. 18" VERTICAL SEPARATION
- 300 VERIFY LOCATION AND DEPTH OF EXISTING UTILITY BEFORE CONSTRUCTING PROPOSED UTILITY
- 31A LOCATION FOR THIS UTILITY AS SHOWN IS FOR DRAWING PURPOSES ONLY. CONTRACTOR SHALL VERIFY THE EXACT LOCATION IN FIELD PRIOR TO THE CONSTRUCTION OF THE PROPOSED UTILITY LINE TO BE CONNECTED. CONTRACTOR SHALL NOTIFY CEI ENGINEERING ASSOCIATES, INC. IF THE DESIGN AS SHOWN IS NOT ACHIEVABLE.
- 310 ALL PULL BOXES LOCATED IN PAVED AREAS SUBJECT TO TRUCK TRAFFIC SHALL BE "H-20" LOAD RATED. THE TYPICAL PULL BOX SIZE SHALL BE 18"x24"x24" OR DEEPER WHEN THE CONDUIT ALIGNMENT IS AFFECTED BY OTHER UTILITIES. ACCEPTABLE FOR MOST LOCATIONS IS A "QUAZITE" P077308A24 BOX WITH P077304H00 LID (STRONGWELL, LENOIR CITY DIVISION, 800-346-3026) OR APPROVED EQUAL. THE PULL BOX SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATION WITH A CONCRETE COLLAR AND A MINIMUM OF 6" OF GRAVEL COMPACTED PER PROJECT SPECIFICATIONS. IF USING A PULL BOX TO CHANGE DIRECTION, THE MINIMUM BOX SIZE SHALL BE 48"x48"x24" PRECAST CONCRETE WITH SEPARATE MANHOLE LID AND COLLAR.
- 73A (2) 1 INCH SCH 40 PVC CONDUITS WITH PULL ROPES FOR FUTURE USE. ONE CONDUIT TO BE STUBBED UP ON EACH SIDE OF THE GATE. CONDUITS TO BE CAPPED AND MARKED.
- 73B (1) 3/4 INCH SCH 40 PVC CONDUIT WITH PULL ROPES FOR SURVEILLANCE CAMERA USE
- 73C CONTINUE CONDUIT TO THE DISTRIBUTION CENTER. CONDUIT TO ENTER THE EXTERIOR WALL OF THE DISTRIBUTION CENTER AT JOIST LEVEL. (REFER TO SHEET C1 FOR LOCATION OF THE DISTRIBUTION CENTER)
- 73D (1) 1 INCH SCH 40 PVC CONDUIT WITH 2 PULL WIRES BY ELECTRICAL CONTRACTOR
- 73E SINGLE STEEL PAINTED PIPE, SIZE AND TYPE TO MATCH EXISTING.

UTILITY DETAILS

- 5A GUARD POST (SINGLE)
- 40C SANITARY SEWER CLEAN-OUT
- 73M XERVES BRAND 4" DIA. 500 GALLON FIBERGLASS UNDERGROUND OIL/WATER SEPARATOR WITH ONE ROW OF COALESCEERS.

TRUCK MAINTENANCE FACILITY
123 S. FRONT STREET
MEMPHIS, TENNESSEE 38103
PHONE: (901) 495-8855
FAX: (901) 495-8969

ENGINEERING ASSOCIATES, INC.
3317 Southwest "T" Street
BENTONVILLE, ARKANSAS 72715
FAX (479) 273-9472
DWG NO: 22827.0
DWG NAME: 221801MTRP

UTILITY PLAN
210 SONORA ROAD
ZANESVILLE, OHIO

DATE: 11-17-06
REV: 5

SCALE: 1"=30'

REVISIONS
1.
2.
3.
4.
5.
6.
7.

PRN: JDG
PM: CDH
DES: CDH

C6