

OWNER & CLIENT: Northern Kentucky Water District
 OWNER ROADS:
 KY 16 & KY 14- KYTC
 JONES ROAD and DIXON ROAD - KENTON COUNTY
 {Encroachment permits required}
 UTILITIES: Owen Co. RECC, Cincinnati Bell Telephone, Insight,
 Duke Energy

PROPOSED 8" WATER MAIN EXTENSIONS SUB-DISTRICT I - ADDITION BIRD ROAD & NORTHCUTT ROAD KENTON COUNTY, KENTUCKY NORTHERN KENTUCKY WATER DISTRICT OCTOBER 2013

Occupational Safety and Health Administration (OSHA)

It shall be the full and complete responsibility of the contractor to meet and comply with safety requirements and regulations as established by OSHA or any other regulatory body. The owner and engineer will not perform any safety compliance inspections as the contractor has accepted full and complete responsibility for performing such inspections for compliance to the regulations.

The contractor shall indemnify and protect and hold harmless the owner and engineer from any loss, expense, fine, damage, or suit, including attorney's fees, arising out of any safety violation suits brought by injured persons and/or fines levied by OSHA or any other regulatory body, as a result of the contractor's work.

GENERAL NOTES:

- CONTRACTOR SHALL SUPPLY FIELD NOTES UPON COMPLETION OF PROJECT IN SUFFICIENT DETAIL TO PREPARE "RECORD DRAWINGS."
- TREES AND BUSHES SHALL BE REMOVED ONLY AS DIRECTED BY THE ENGINEER.
- YARD RESTORATION SHALL CONFORM TO URBAN STANDARDS AND SPECIFICATIONS.
- LOCATION OF UTILITIES AND STRUCTURES, BOTH SURFACE AND SUBSURFACE, ARE SHOWN ON THE PLANS FROM DATA AVAILABLE AT THE TIME OF BIDDING, AND ARE NOT NECESSARILY COMPLETE AND CORRECT. DURING CONSTRUCTION THE CONTRACTOR SHALL USE DILIGENCE IN PROTECTING FROM DAMAGE ALL EXISTING UTILITIES AND STRUCTURES WHETHER SHOWN ON THE PLAN OR NOT. IF DAMAGE IS CAUSED, THE CONTRACTOR WILL BE RESPONSIBLE FOR REPAIR OR RESTORATION OF SAME TO THE SATISFACTION OF THE ENGINEER AND UTILITY COMPANY.
- CONTRACTOR IS RESPONSIBLE FOR EXPOSING UNDERGROUND UTILITIES AS DIRECTED BY THE ENGINEER PRIOR TO CONSTRUCTION STAKING TO VERIFY THE EXACT LOCATION AND DEPTH OF UTILITIES.
- WHEN ENCOUNTERING CULVERTS AND UTILITY STRUCTURES ABOVE PROPOSED MAIN THE CONTRACTOR WILL TUNNEL UNDER THE STRUCTURE. CONTRACTOR IS RESPONSIBLE FOR PROTECTING THE STRUCTURES FROM DAMAGE. {SEE NOTE 4}
- CONTRACTOR TO FOLLOW EROSION CONTROL MEASURES AS SPECIFIED ON THE PLAN AND IN THE ASSOCIATED BMP {SWPPP} BOOK.
- CONTRACTOR TO RESTORE ROAD DITCH LINE TO SATISFACTION OF ENGINEER AND GOVERNING AGENCY.

* FOR FURTHER INSTRUCTIONS AND SPECIFICATIONS - SEE SPEC. BOOK

GAS FACILITY NOTES:

- FOR GAS DISTRIBUTION ENGINEERING NOTIFICATION, AGREEMENTS AND OFFICIAL CORRESPONDENCE, ADDRESS TO:
 LAURA MATE, P.E.
 GAS DISTRIBUTION ENGINEERING
 P.O. BOX 960, ROOM 460A
 CINCINNATI, OH 45201-0960
- THE PRINT SHOWS THE APPROXIMATE LOCATION AND DEPTHS OF COVER AND IS PROVIDED TO COMPLY WITH STATUTORY REGULATIONS. THE INFORMATION SHOULD BE USED ONLY FOR PLANNING, NOT CONSTRUCTION.
- ALL GAS FACILITY DEPTHS NOTED ARE APPROXIMATE DEPTHS RECORDED AT THE TIME OF INSTALLATION ANY RESULTING GRADE CHANGES SINCE THE TIME OF THE MAIN INSTALLATION WILL CAUSE THE EXISTING DEPTH OF COVER TO BE DIFFERENT. EXTREME CARE MUST BE TAKEN TO ENSURE SAFE EXCAVATION WHEN APPROACHING KNOWN OR SUSPECTED GAS FACILITIES.
- ALL GAS SERVICES WERE INSTALLED AT A MINIMUM OF 1'-6" COVER. SEE III ABOVE.
- FOR ADDITIONAL GAS FACILITY INFORMATION, CALL (513)287-2532 OR (513)287-1264.
- TO COMPLY WITH FEDERAL AND STATE REGULATIONS CONCERNING DAMAGE PREVENTION PROGRAMS THE UTILITY COMPANIES MUST BE CONTACTED AT LEAST 48 HOURS (2 WORKING DAYS) PRIOR TO EXCAVATION BY CALLING KENTUCKY UNDERGROUND PROTECTION INC. (KUP), TOLL FREE AT 1-800-752-6007.

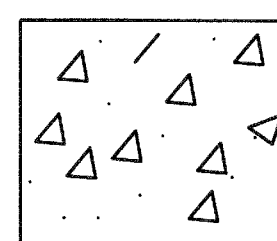
CONSTRUCTION NOTES:

- GAS FACILITIES ARE TO BE KEPT IN SERVICE AT ALL TIMES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE TO GAS FACILITIES DURING OR AS A RESULT OF THE CONTRACTOR'S CONSTRUCTION. ALL DAMAGE TO GAS FACILITIES DURING ADJUSTMENTS, RELOCATION'S AND/OR REPAIRS WILL BE MADE AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL SHEET AND SHORE ALL EXCAVATIONS AS REQUIRED TO CONTINUOUSLY SUPPORT GAS FACILITIES WITHIN THE ZONE OF INFLUENCE (AS DETERMINED BY THE NATURAL ANGLE OF REPOSE OF THE SOIL).
- CROSSING BURIED GAS FACILITIES WITH HEAVY CONSTRUCTION EQUIPMENT MAY CAUSE DAMAGE TO THE GAS FACILITIES. CONTACT THE GAS ENGINEERING DEPARTMENT FOR DETAILS ON HOW TO PROTECT THE GAS FACILITIES FROM DAMAGE.
- THE CONTRACTOR SHALL NOT BACKFILL EXPOSED GAS FACILITIES UNTIL THE UTILITY HAS INSPECTED ITS FACILITIES AND PERFORMED ANY MAINTENANCE AND/OR ADJUSTMENTS THAT MAY BE REQUIRED.
- THE CONTRACTOR IS RESPONSIBLE FOR PREVENTING ANY DAMAGE TO TO OUR GAS FACILITIES. THIS INCLUDES PROTECTION OF COOLINGS AND WRAPPINGS ON STEEL GAS MAINS. IT ALSO INCLUDES ANY DAMAGE WHICH MA HAVE OCCURRED TO PLASTIC GAS MAINS, SUCH AS CRIMPS OR GAUGES.
- WHEN CAST IRON OR SIMILAR GAS FACILITIES ARE EXPOSED OR INTERFERED WITH BY THE CONTRACTOR, REPLACEMENT OR REINFORCEMENT BY ULH&P MAY BE REQUIRED AT THE CONTRACTOR'S EXPENSE. BACKFILL WITH CONTROL LOW STRENGTH MATERIAL WILL BE REQUIRED.
- BLASTING OR OTHER CONSTRUCTION PROCEDURES WHICH MAY TRANSMIT LOADS OR VIBRATIONS IN THE VICINITY OF GAS FACILITIES MUST BE APPROVED BY ULH&P'S GAS ENGINEERING DEPARTMENT. A BLASTING PLAN, IDENTIFYING ALL PERTINENT INFORMATION, MUST BE SUBMITTED IN WRITING BY A BLASTING EXPERT PRIOR TO ANY WORK.

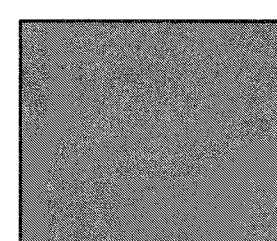
PROPOSED DEVELOPMENTS AT GAS R/W & EASEMENTS (IF APPLICABLE)

- PROPOSED DEVELOPMENT PLANS AROUND AND NEAR GAS FACILITIES WITHIN PRIVATE EASEMENTS MUST BE SUBMITTED TO DUKE'S GAS ENGINEERING DEPARTMENT FOR REVIEW. THESE PLANS MUST BE APPROVED ANY WORK MAY BEGIN WITHIN OUR EASEMENT.
- SPECIFIED EASEMENT WIDTHS MUST BE MAINTAINED IN ORDER FOR DUKE TO PROTECT IT'S FACILITIES.
- NO PERMANENT STRUCTURES MAY BE BUILT WITHIN THE EASEMENTS.
- CUTS AND FILL S ARE GENERALLY NOT PERMITTED WITHIN THE EASEMENTS. SOME FILLS MAY BE ALLOWED AND WILL BE REVIEWED ON AN INDIVIDUAL BASIS. ANY PERMITTED FILLS WILL BE LIMITED TO AN AMOUNT WHICH WILL ALLOW ULH&P TO PROPERLY MAINTAIN ITS FACILITIES.
- PERPENDICULAR UTILITY CROSSINGS OF GAS EASEMENTS ARE ACCEPTABLE, PROVIDED PROPER CLEARANCES ARE MAINTAINED. PARALLEL INSTALLATION ARE NORMALLY NOT ALLOWED.

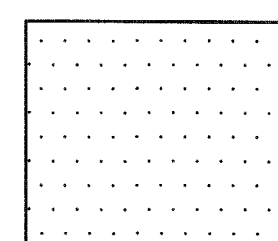
SEE BID SHEETS FOR RESTORATION SPECIFICATIONS



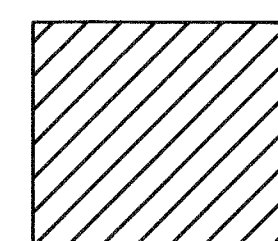
CONCRETE DRIVES & WALKS



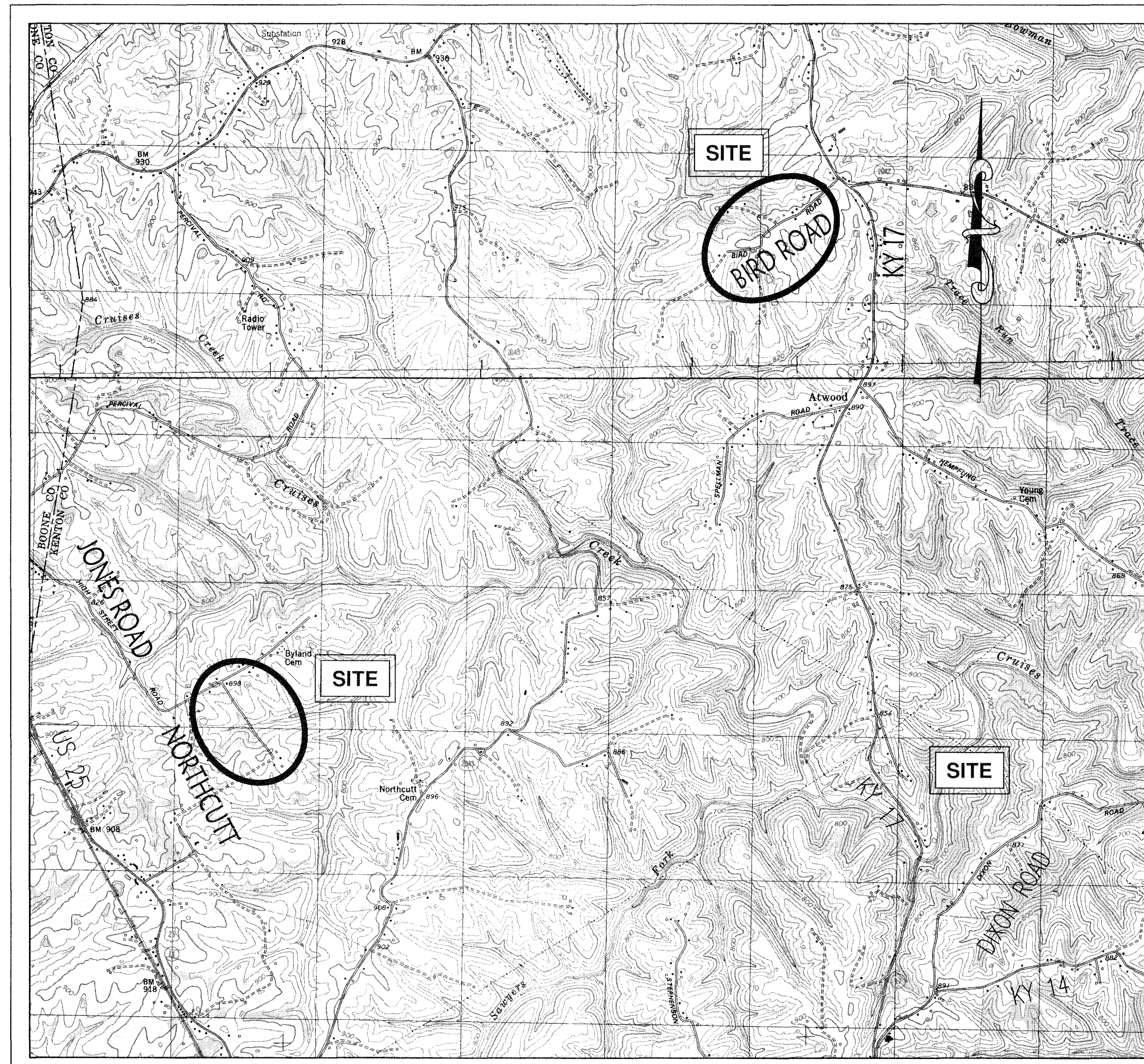
MILL & RESURFACE



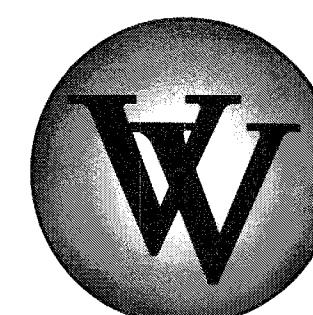
GRAVEL DRIVE



BLACKTOP DRIVES

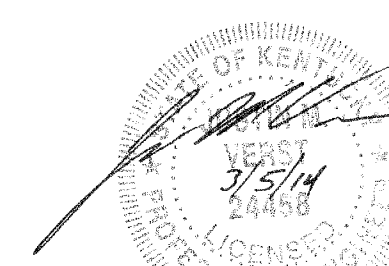


SCALE 1"=2000'
 U.S.G.S. INDEPENDENCE & WALTON QUADS



VIOX & VIOX
 Civil Engineers, Surveyors, and Landscape Architects

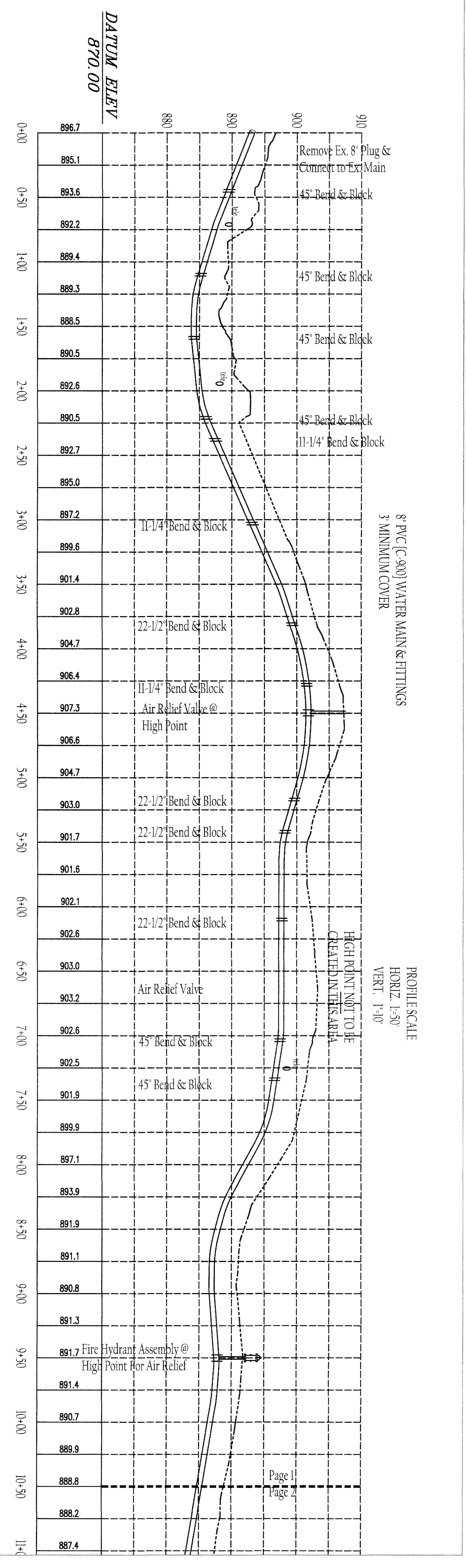
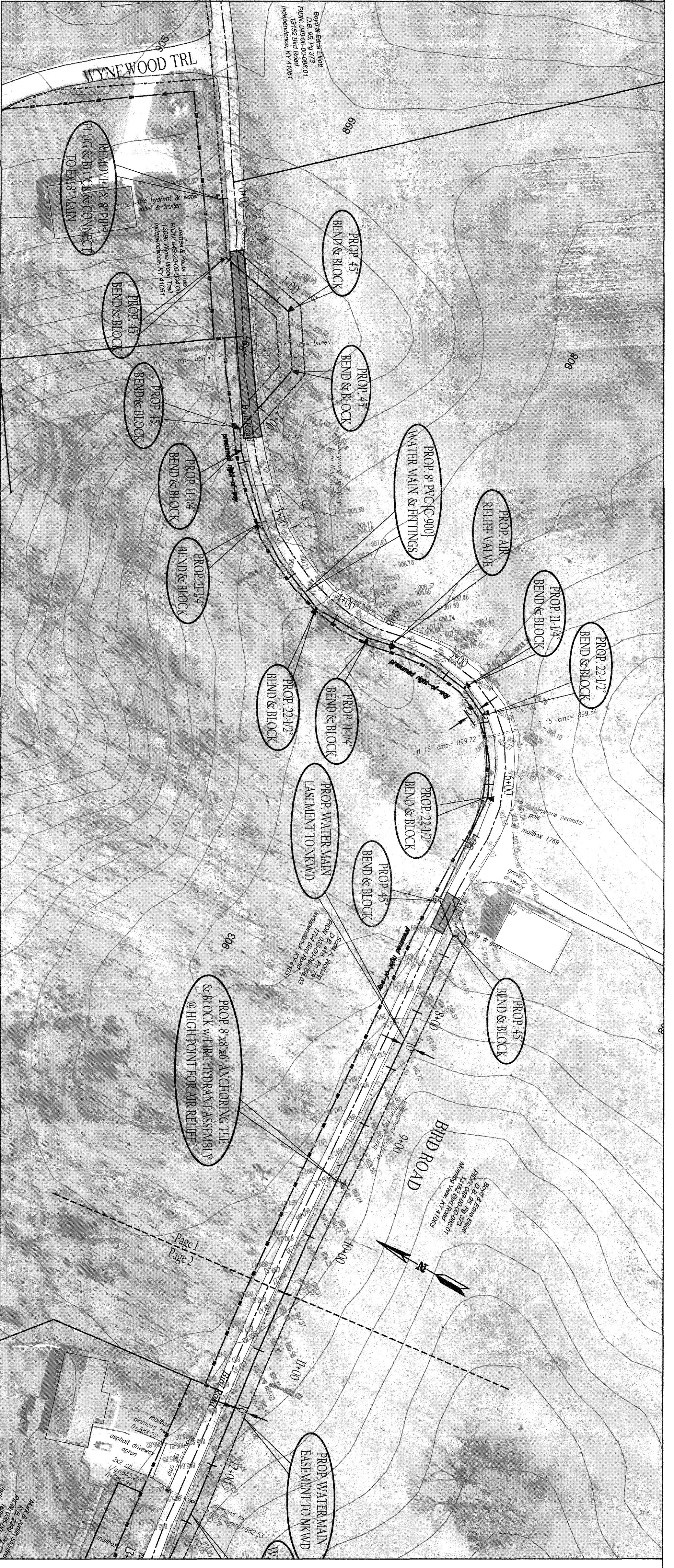
466 Erlanger Road • Erlanger, Kentucky 41018
 Ph (859) 727-3293 • Fax (859) 727-8452 • www.vioxinc.com



SHEET INDEX

1	TITLE SHEET/GENERAL NOTES
2-3	BIRD ROAD
4-5	NORTHCUTT ROAD
6	DETAILS

* ALL SUBMITTALS MAY NOT INCLUDE ENTIRE SET OF DRAWINGS



8" PVC (C-900) WATER MAIN & FITTINGS
3" MINIMUM COVER

PROFILE SCALE
HORIZ. 1"=50'
VERT. 1"=10'

HIGH POINT NOT TO BE
CREATED IN THIS AREA

DAIUM ELEV
870.00

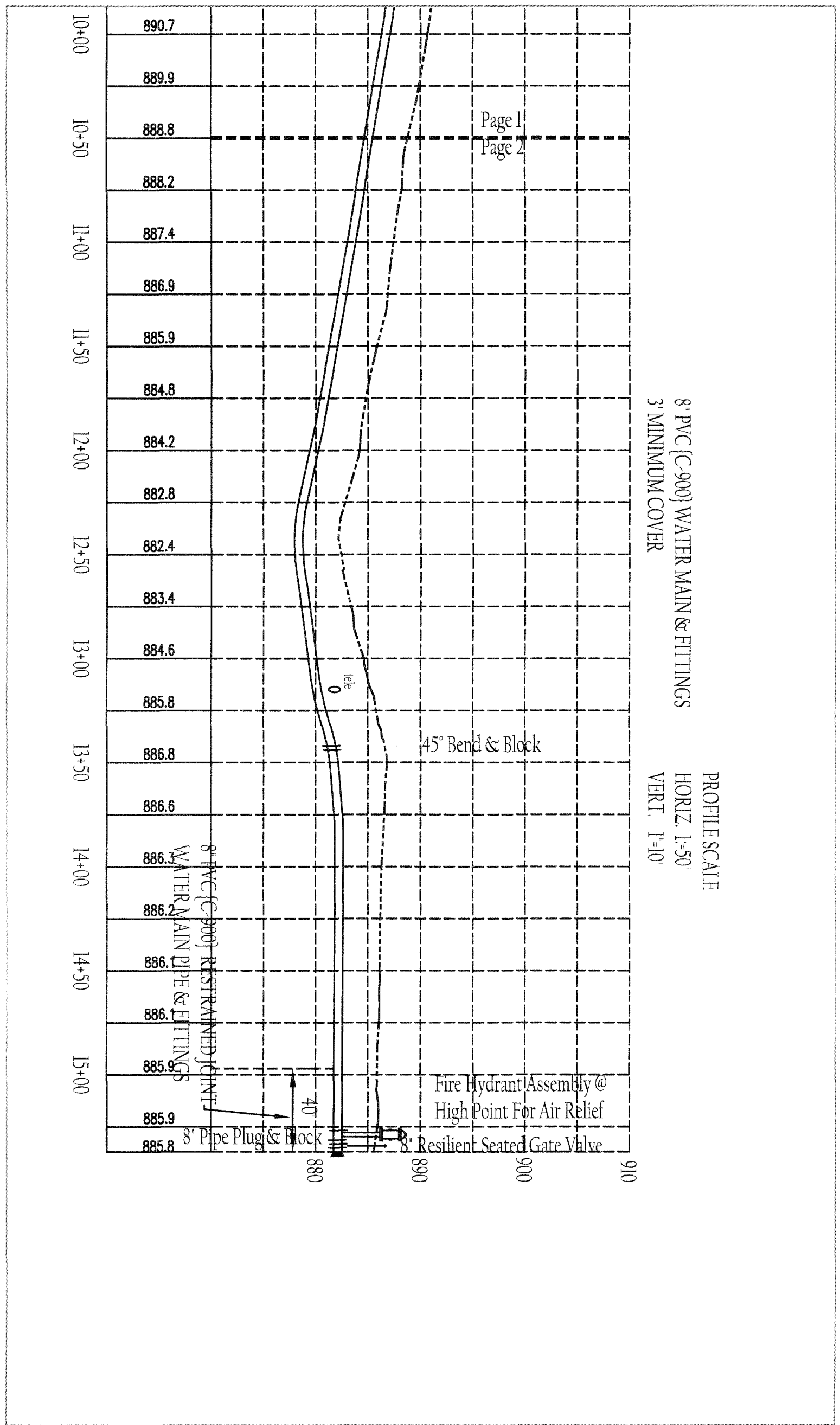
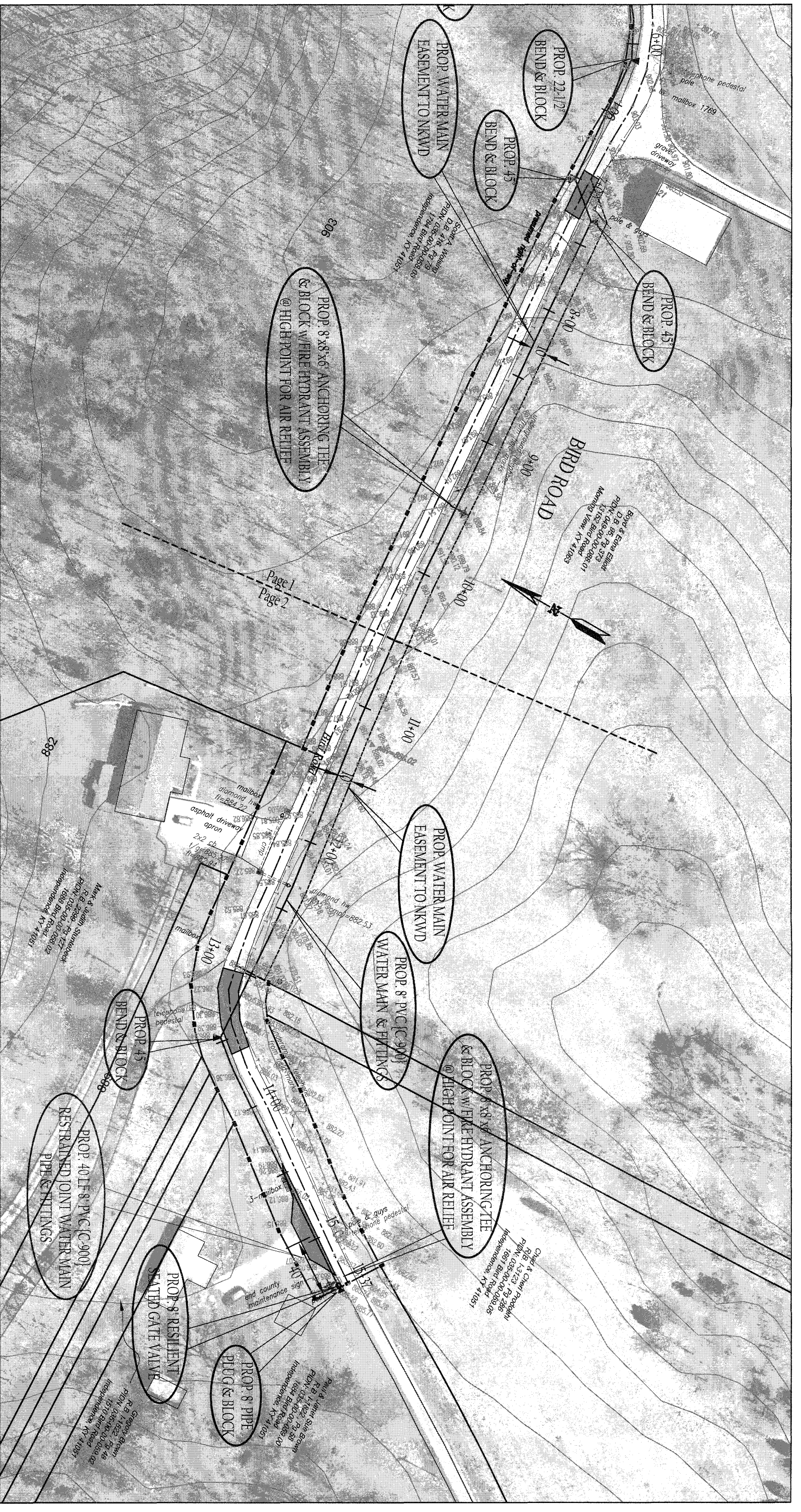
PLANS SCALE
1"=50'

**PROPOSED 8" WATER MAIN EXTENSION
BIRD ROAD {Wynewood Trail to End}
KENTON COUNTY, KENTUCKY**



DATE: 07/11/13
PROJECT: 11-103
SHEET: 1 OF 2
DRAWN BY: JMW/MSK
CHECKED BY: JMW/MSK
DATE: 07/11/13

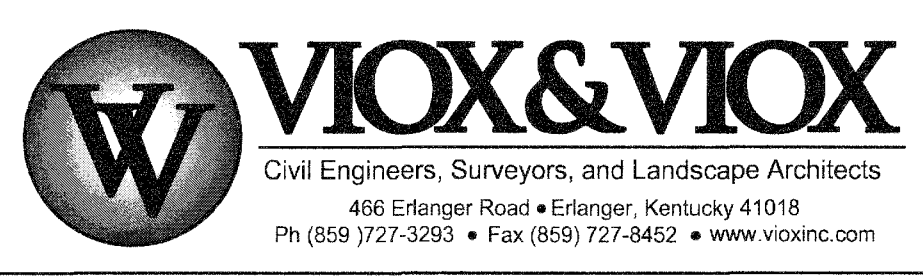
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PLAN SCALE
1"=50'

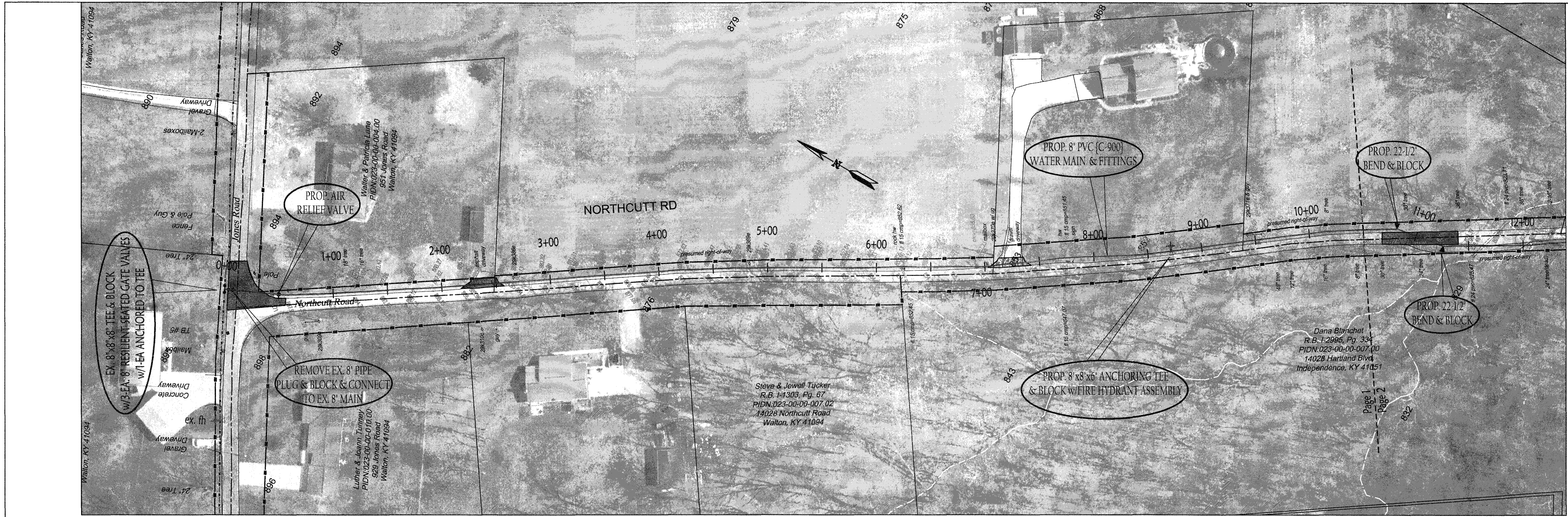
REVISIONS
REV: 11-11-13: PER NKWD

**PROPOSED 8" WATER MAIN EXTENSION
BIRD ROAD {Wynewood Trail to End}
KENTON COUNTY, KENTUCKY**



DATE: 07/13
PROJECT: 11-03
SHEET: 1-03
DRAWN BY: JHW/mre
CHECKED BY: JHW/mre
DATE: 07/13
PROJECT: 11-03
SHEET: 1-03

The Engineer and the Surveyor certify that the work shown on this drawing was done by or under the direct supervision of a duly licensed Professional Engineer or Professional Surveyor, and that the work shown on this drawing was done in accordance with the laws and regulations of the State of Kentucky.

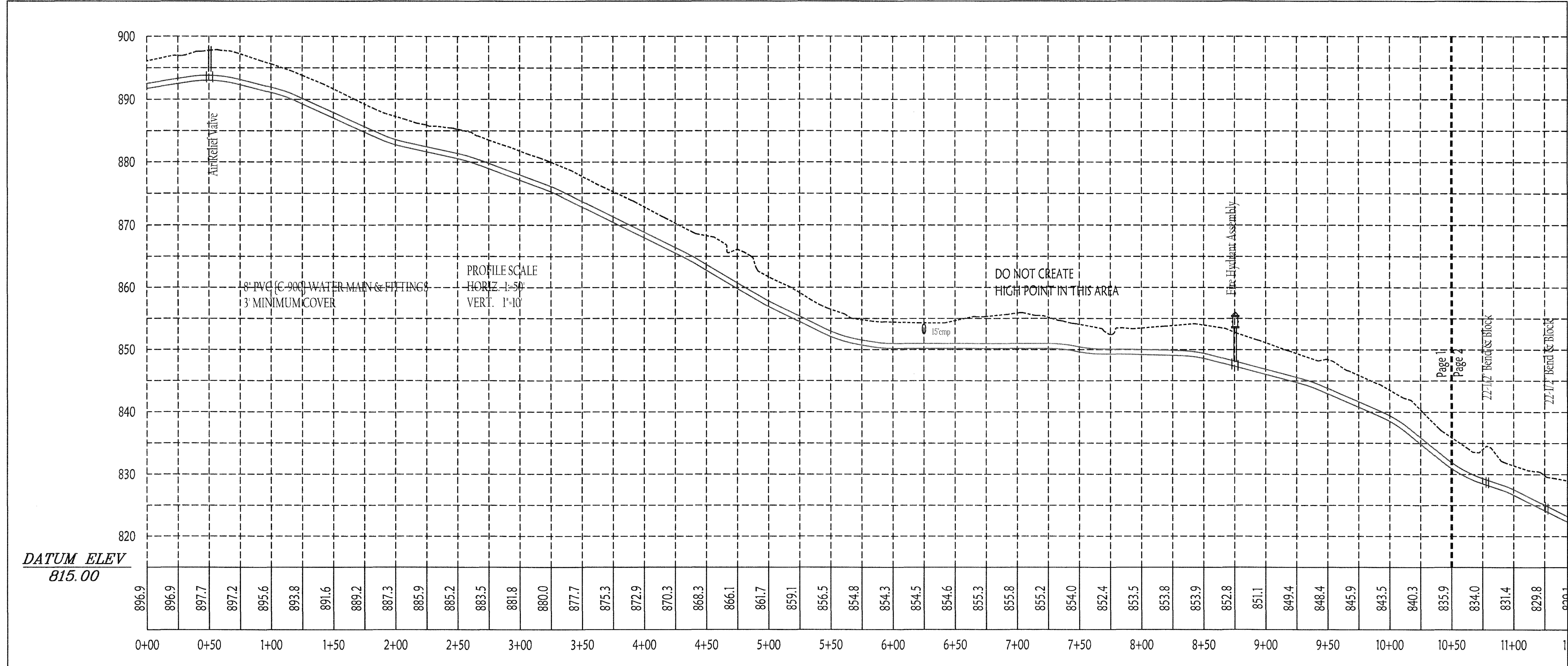


PLAN SCALE
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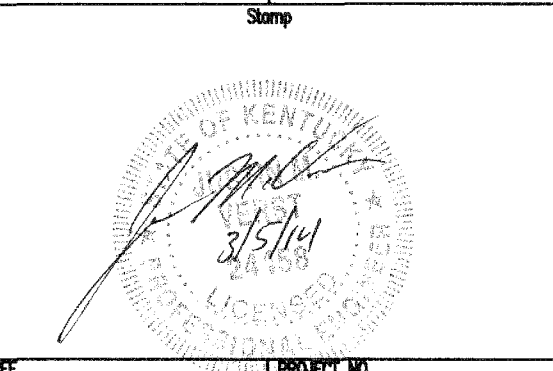
EPSC LEGEND	
SF-IP	SILT FENCE INLET PROTECTION
▲	DITCH CHECK
--SF--	SILT FENCE

- EROSION CONTROL NOTES:
- EXISTING VEGETATION SHALL BE PRESERVED WHERE POSSIBLE. ALL DISTURBED AREAS OF THE SITE SHALL BE STABILIZED. STABILIZATION SHALL BEGIN WITHIN 14 DAYS ON AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY (FOR 21 DAYS OF MORE) CEASES. WHEN SNOW COVER CAUSES DELAYS, STABILIZATION SHALL BEGIN AS SOON AS POSSIBLE.
 - CONTRACTOR SHALL INSPECT THE BMP'S AT LEAST EVERY 7 DAYS AND AFTER A RAIN EVENT OF 0.5" AND GREATER.
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 - INSPECTION OF BMP'S SHALL BE PERFORMED ON A WEEKLY BASIS BY A KEPC CERTIFIED INSPECTOR.

REVISIONS
REV. 11-11-13 - PER NKWD



**PROPOSED 8" WATER MAIN EXTENSION
NORTH CUTT ROAD
KENTON COUNTY, KENTUCKY**



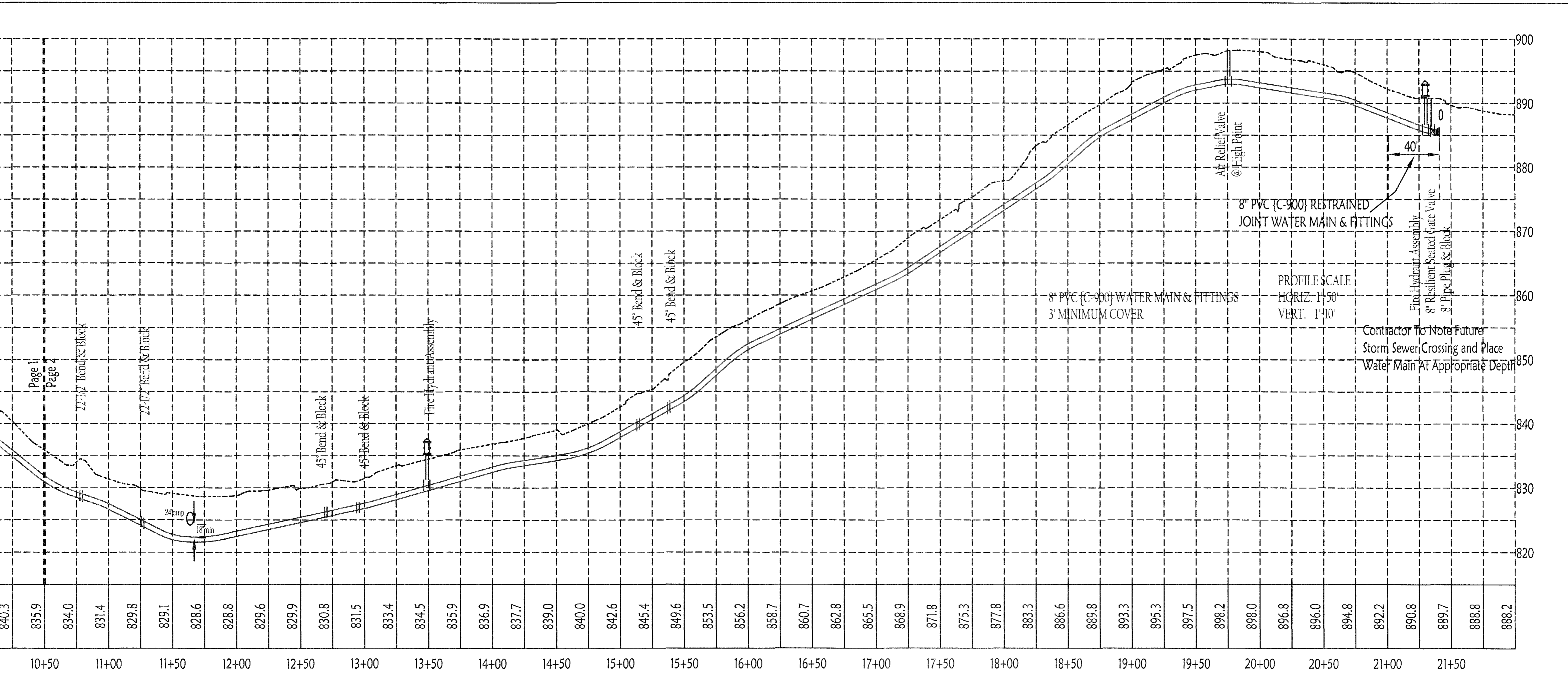
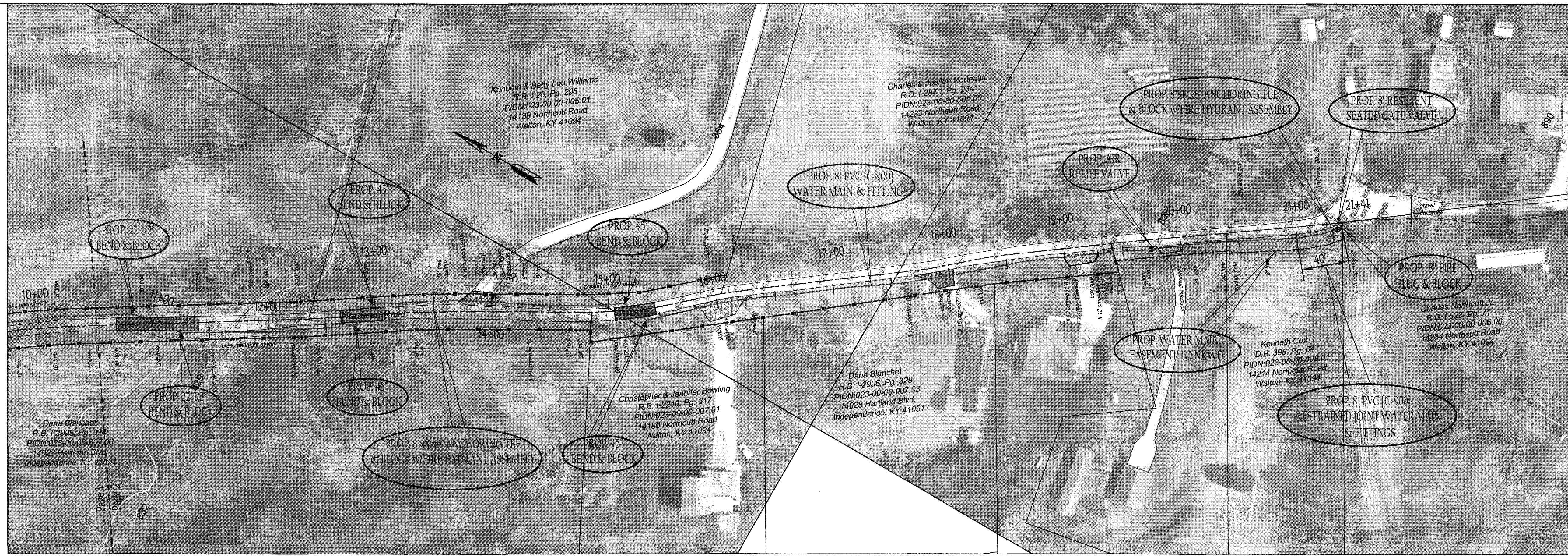
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6/1/13	100-911-003
SCALE	DATE
as shown	6/1/13
DRAWN BY	PROJECT NO.
DWIG/NKWD-NORTH CUTT	100-911-003

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PLAN SCALE
1"=50'

EPSC LEGEND	
SF-IP	SILT FENCE INLET PROTECTION
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REVISIONS	
REV. 11-11-13	PER NKWD

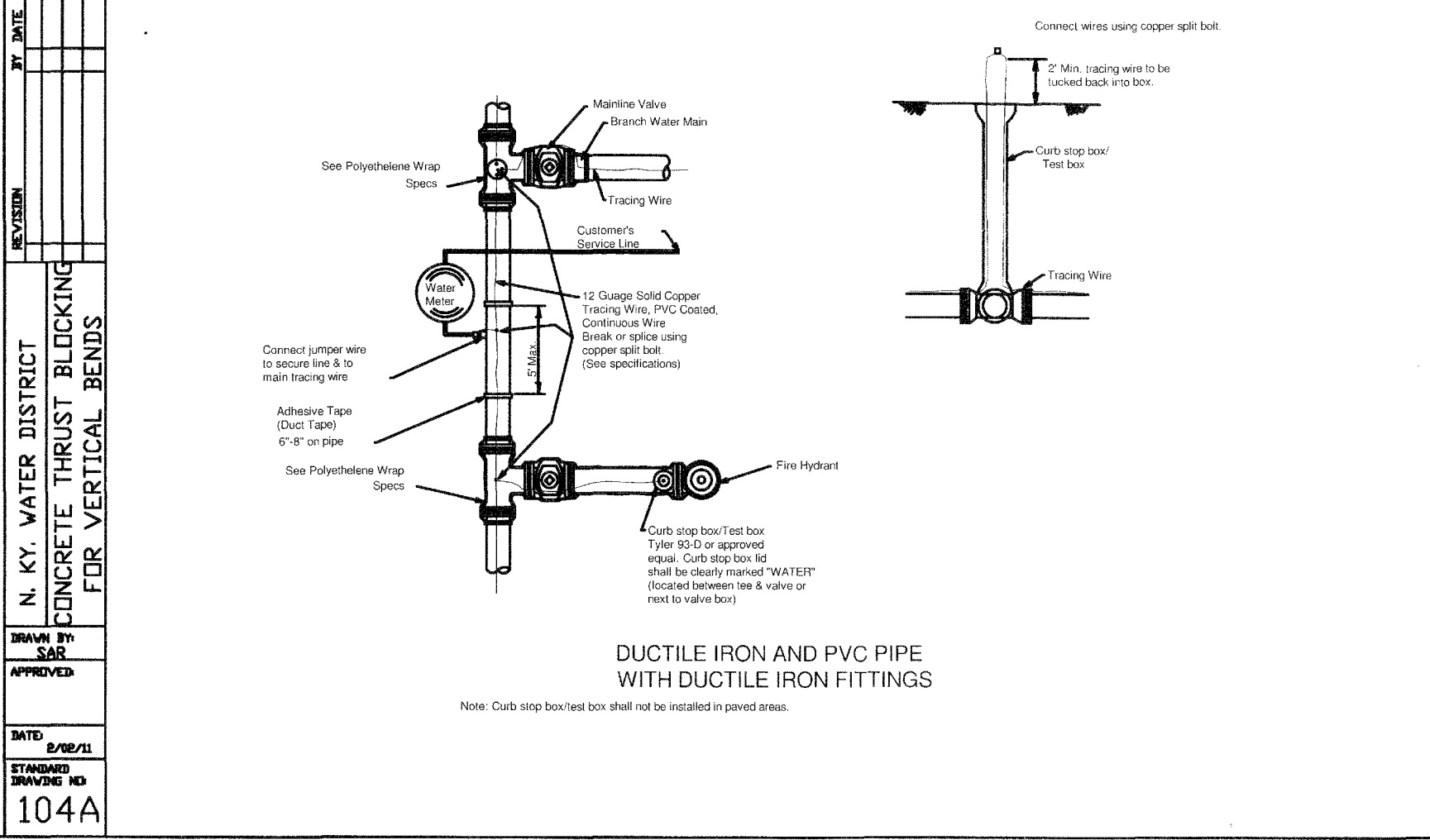
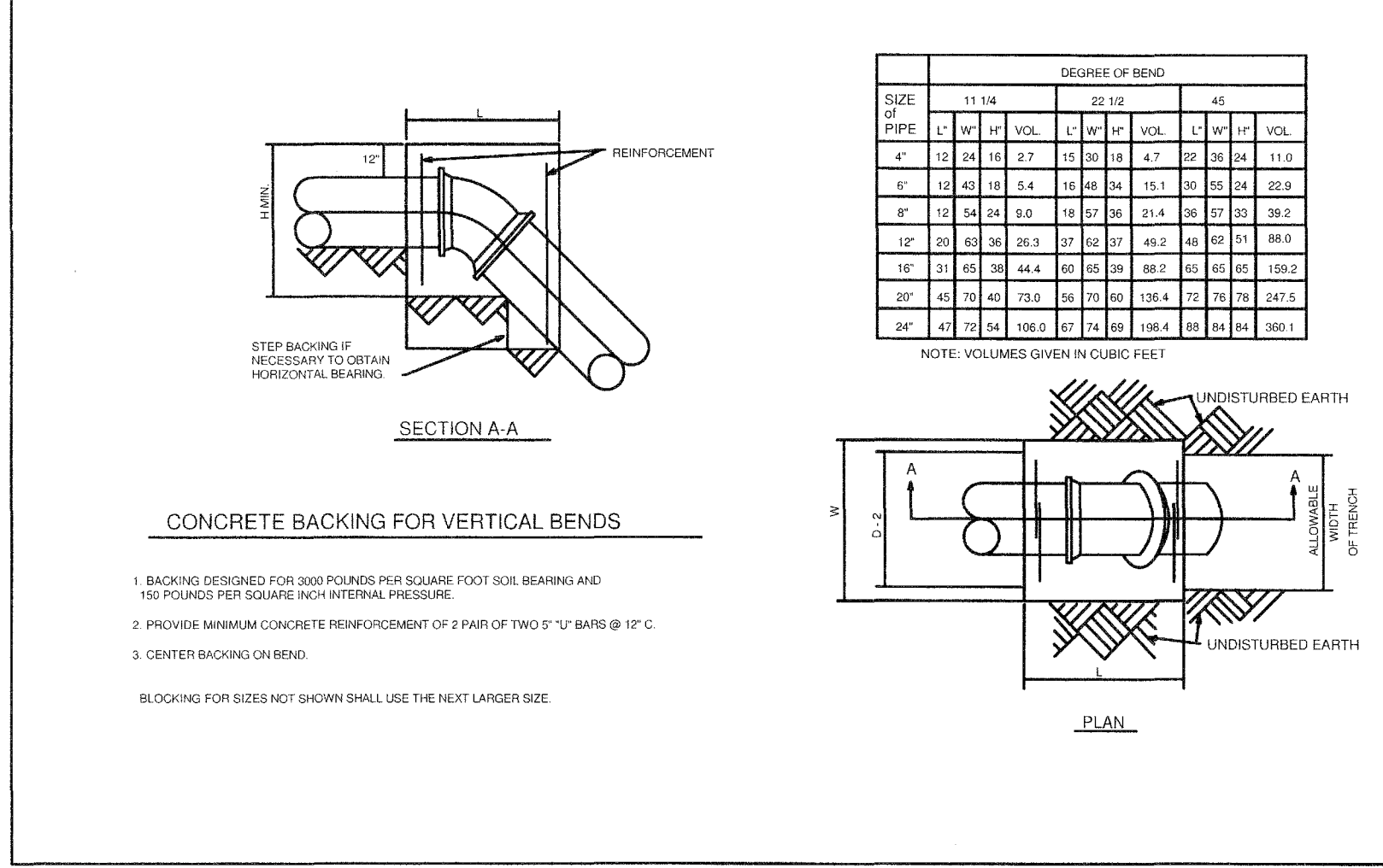
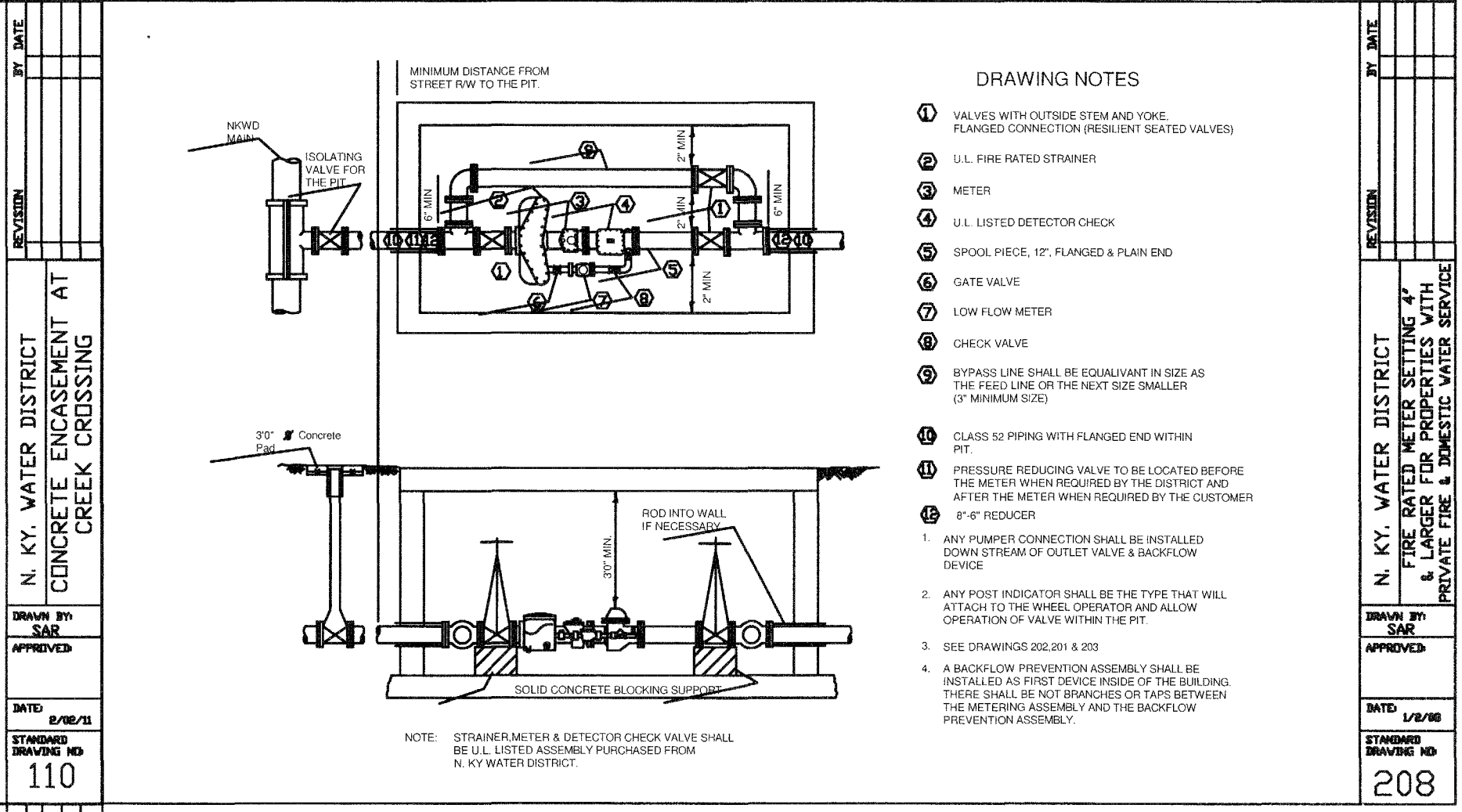
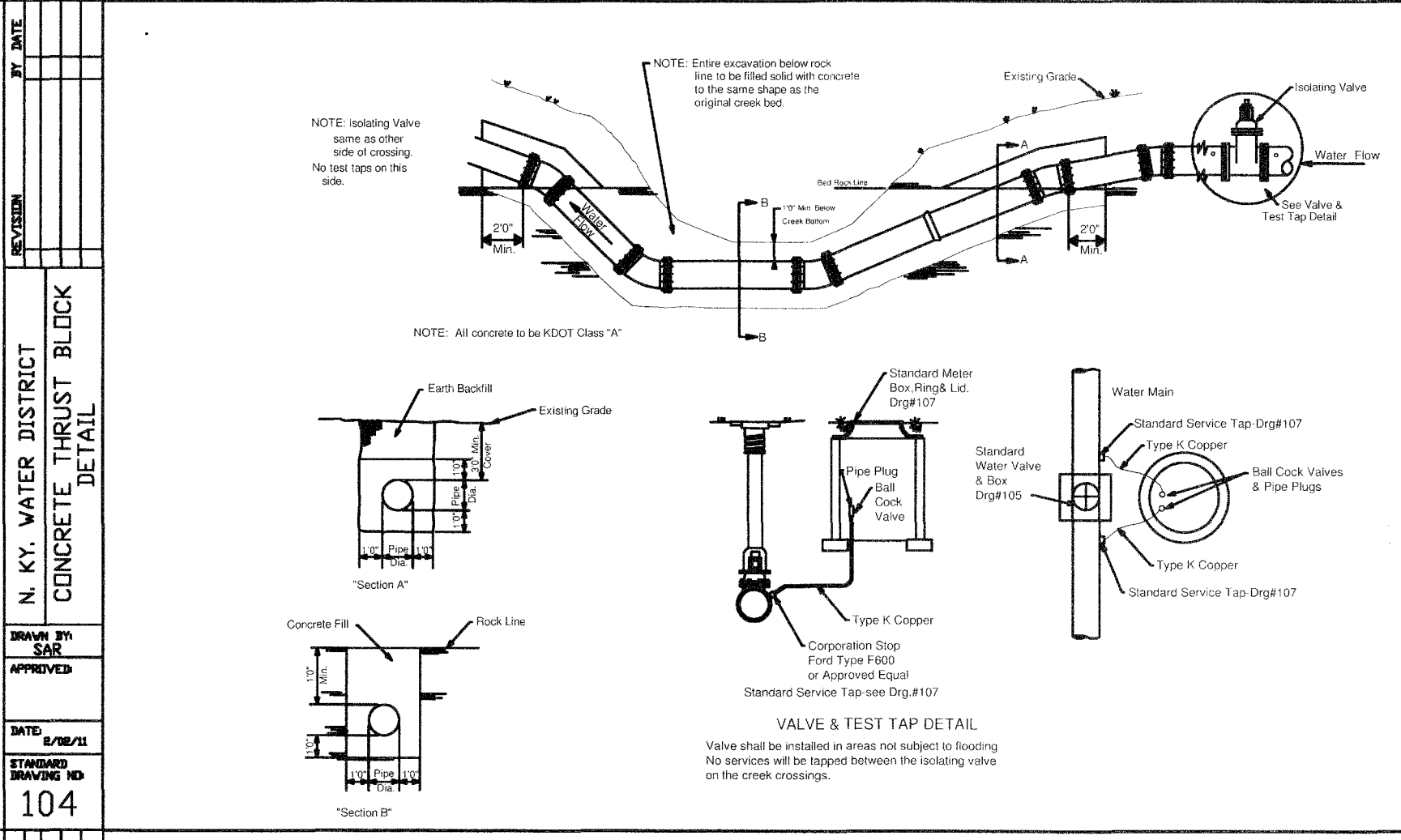
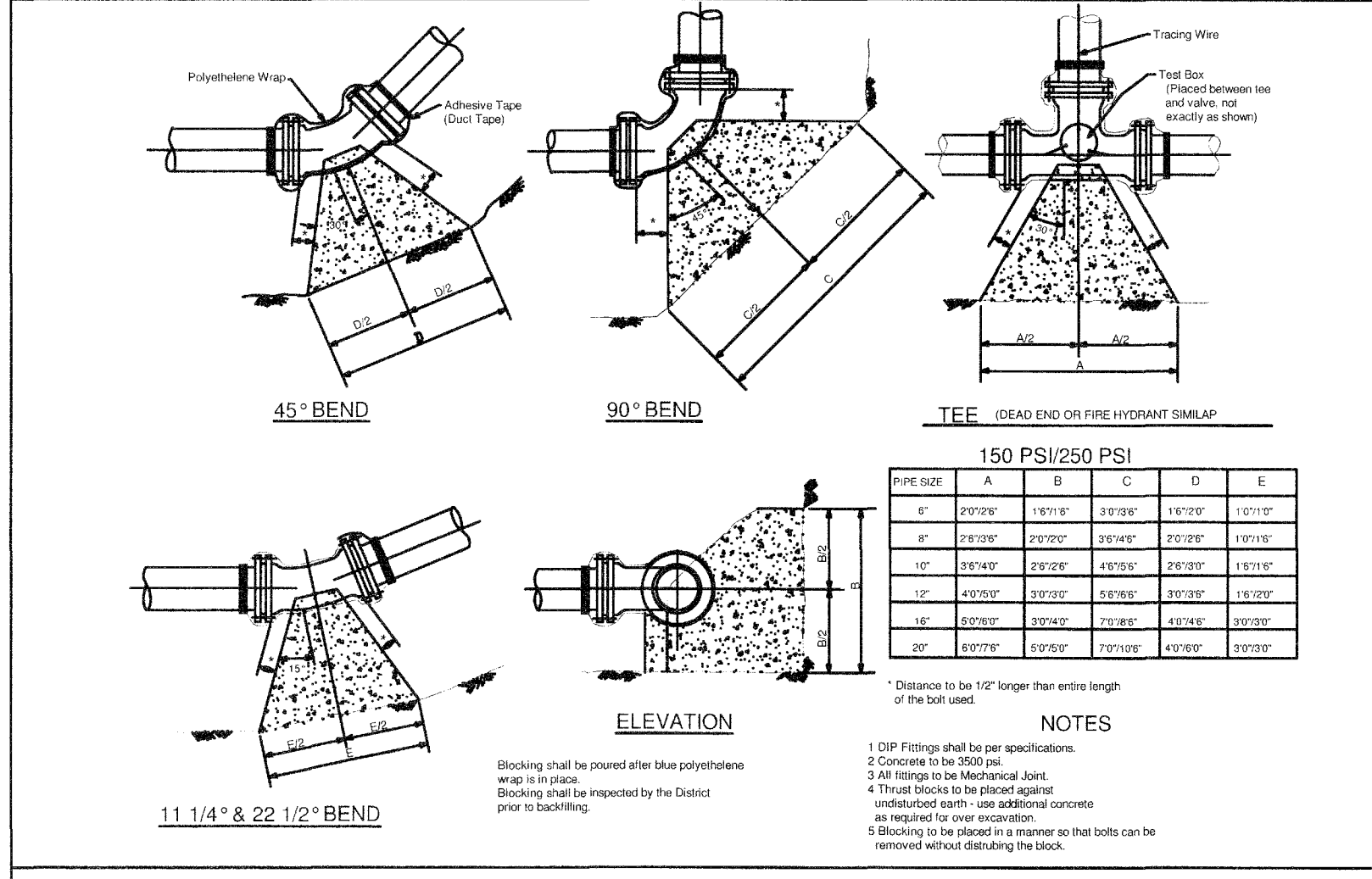
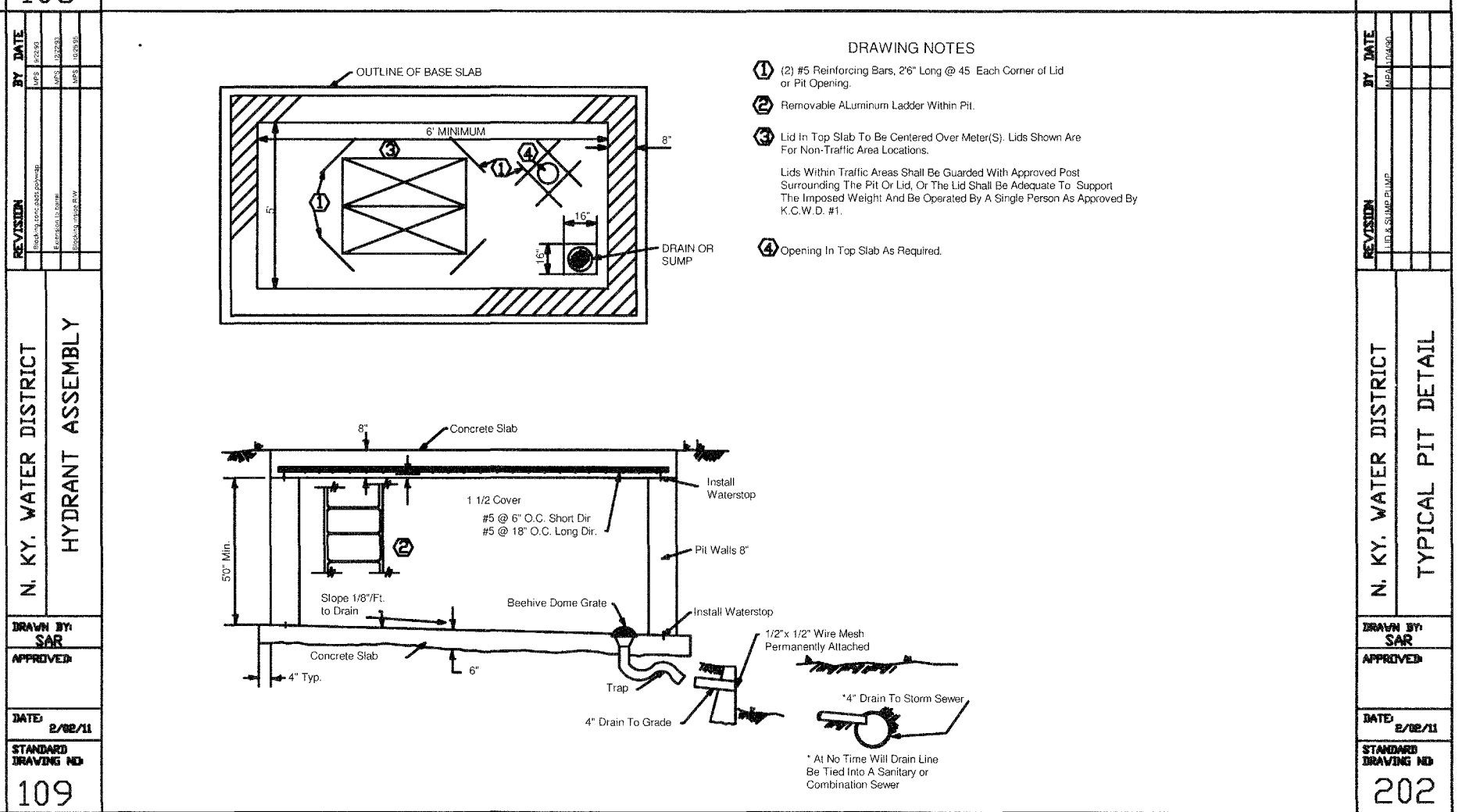
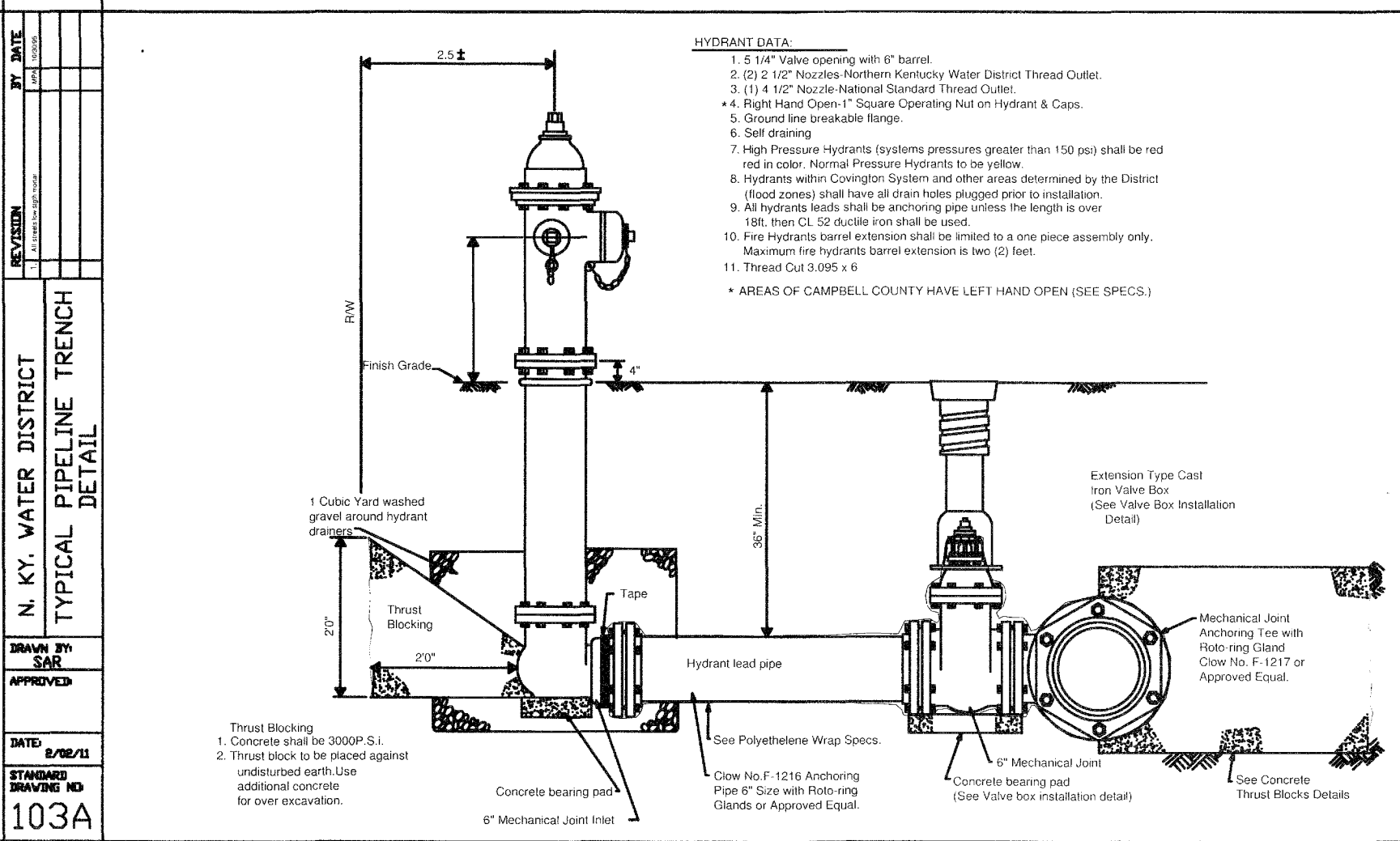
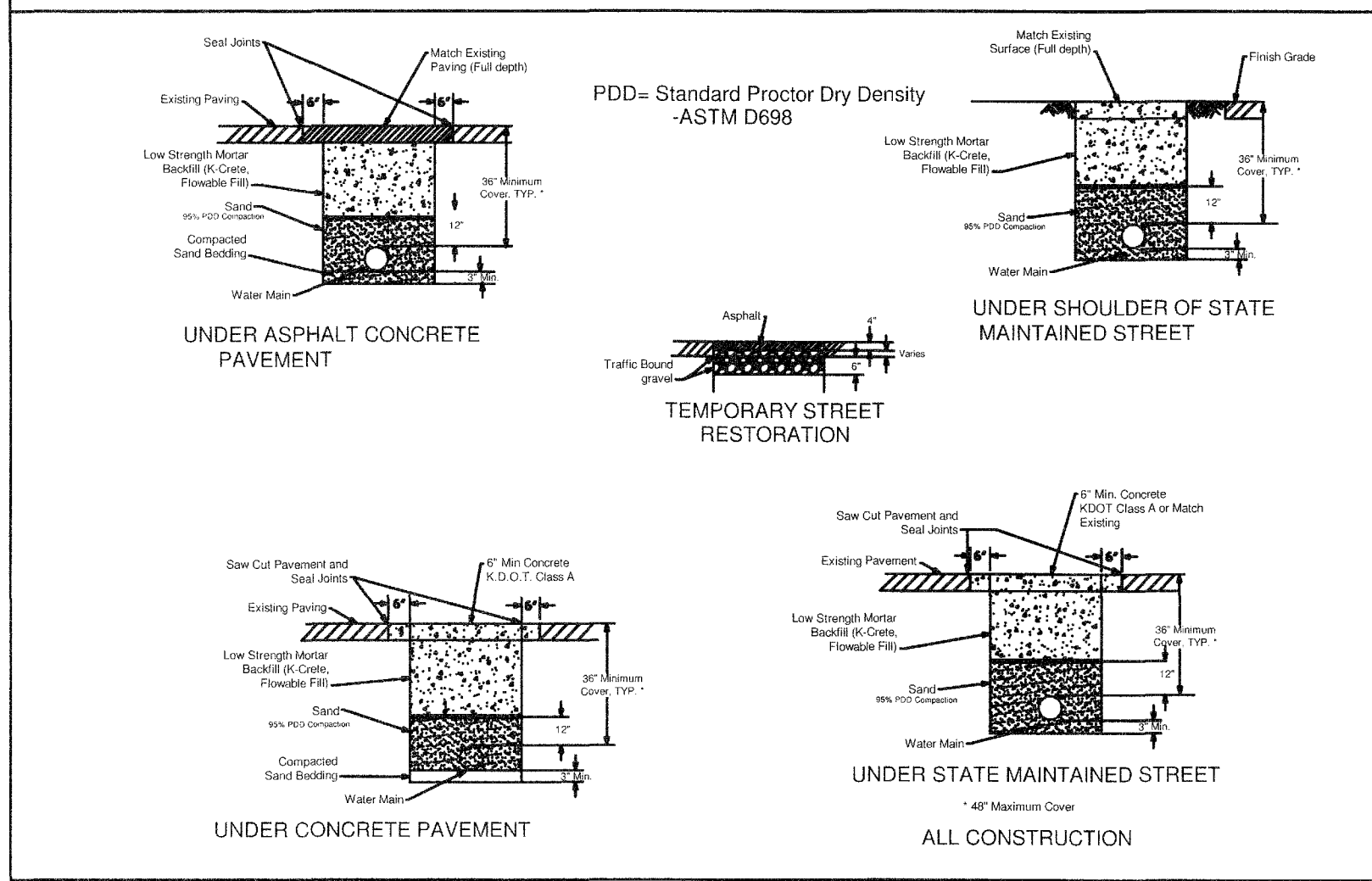
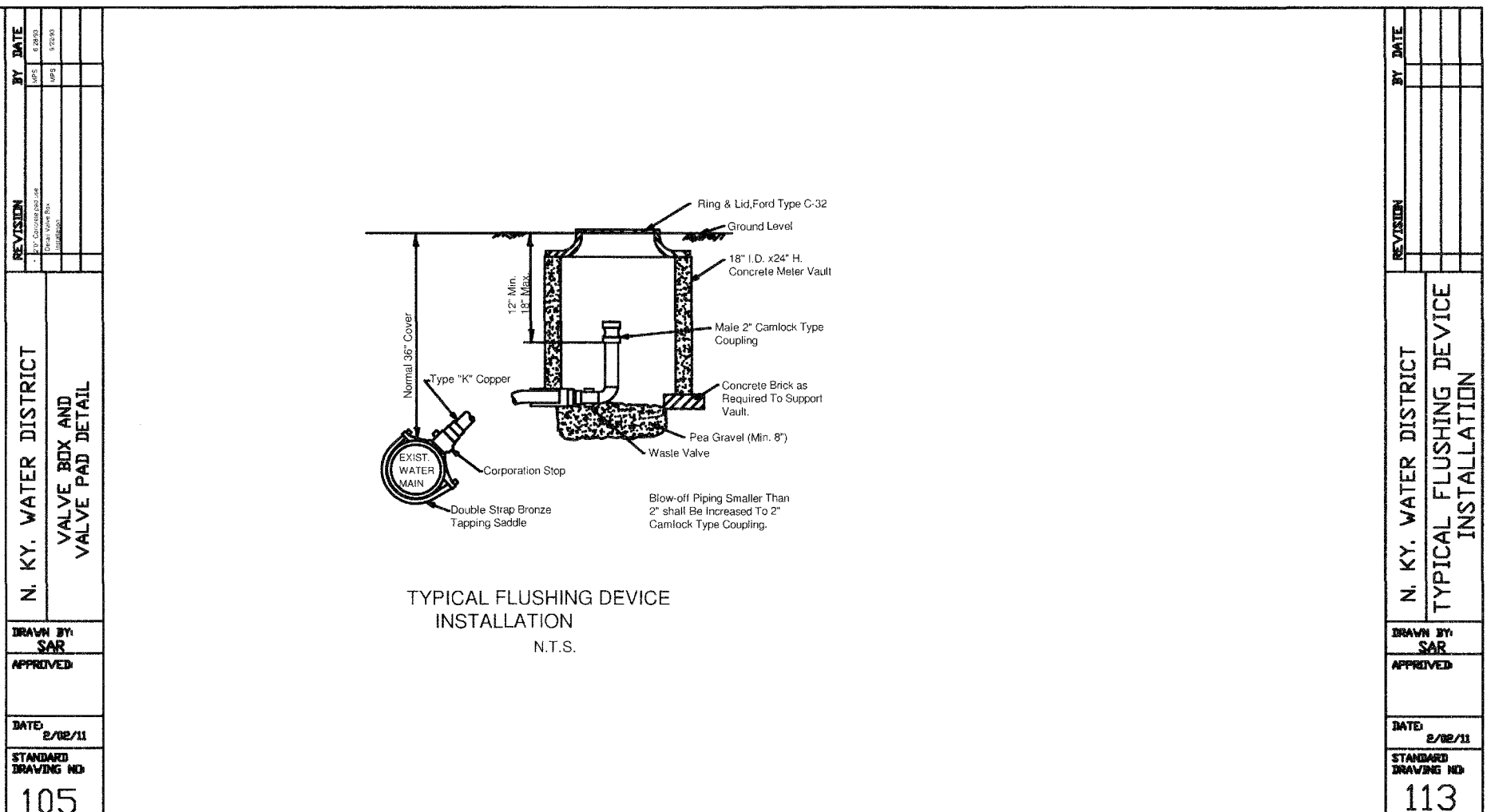
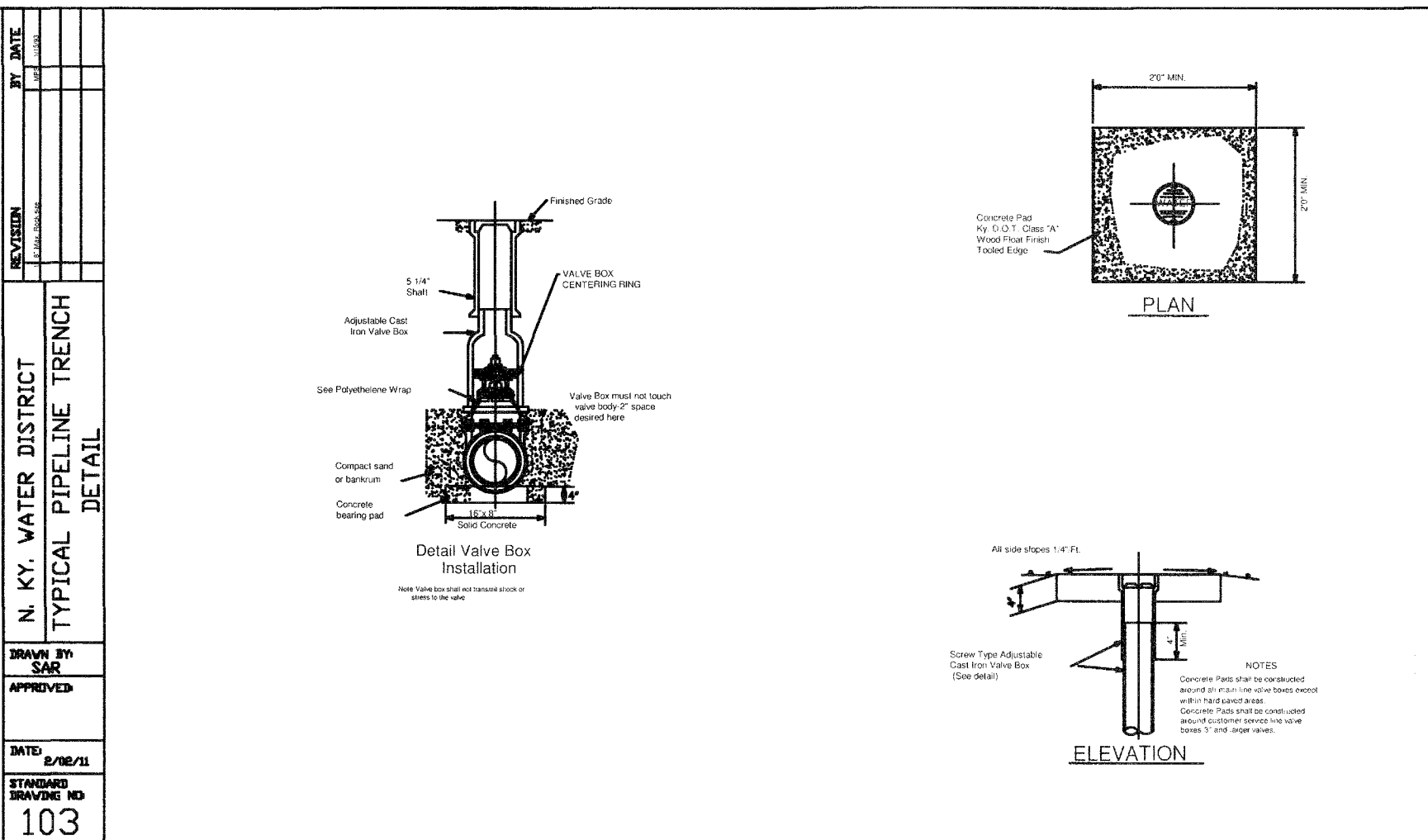
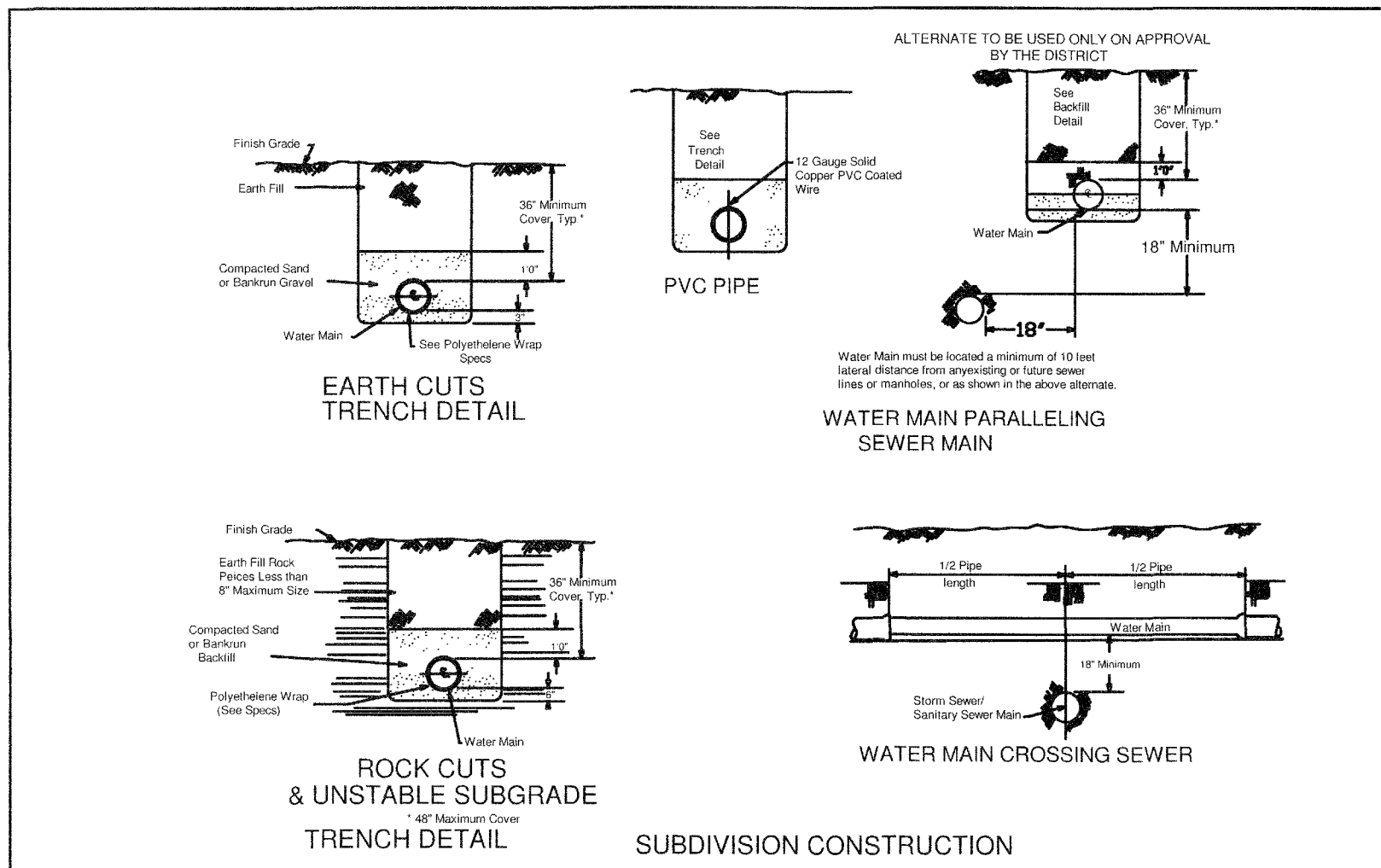
**PROPOSED 8" WATER MAIN EXTENSION
NORTHCUTT ROAD
KENTON COUNTY, KENTUCKY**



Stamp

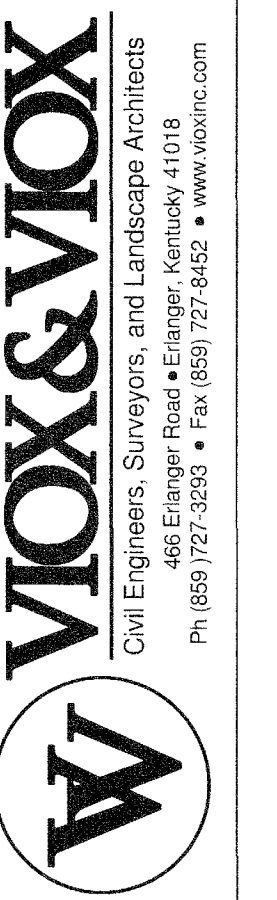
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SCALE: as shown
DRAWN: TONY WOODS/Shaun Dierker
PROJECT NO: 11-01-003

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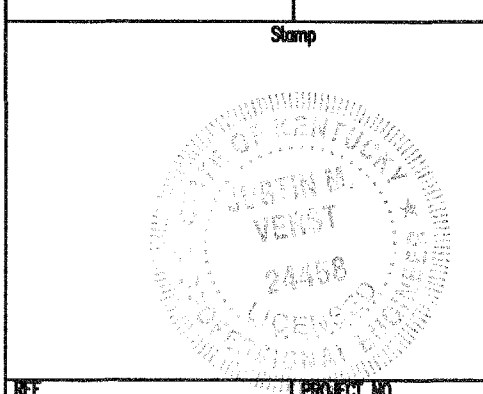


NOTE:
 DETAILS PROVIDED ON THIS SHEET ARE FOR REFERENCE ONLY. CONTRACTOR TO REFER TO THE MOST CURRENT NKWD STANDARD SPECIFICATIONS AND DRAWINGS FOUND AT www.nkywater.org

DETAIL SHEET
NORTHERN KENTUCKY WATER DISTRICT
KENTON COUNTY, KENTUCKY



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PROJECT NO. 100-511-003
 DATE 6/12/12
 SHEET 103A