



TRANSPORTATION CABINET

Frankfort, Kentucky 40622
www.transportation.ky.gov/

Steven L. Beshear
Governor

Michael W. Hancock, P.E.
Secretary

December 2, 2015

CALL NO. 106
CONTRACT ID NO. 151085
ADDENDUM # 1

Subject: Campbell County, HPP 0166 (007)
Letting December 11, 2015

- (1) Revised - Plan Sheets
- (2) Revised - Note - Pages 28-32(a) of 325
- (3) Revised - Bid Items - Pages 321-325 of 325

Proposal revisions are available at <http://transportation.ky.gov/Construction-Procurement/>.

Plan revisions are available at <http://www.lynnimaging.com/kytransportation/>.

If you have any questions, please contact us at 502-564-3500.

Sincerely,

A handwritten signature in cursive script that reads "Rachel Mills".

Rachel Mills, P.E.
Director
Division of Construction Procurement

RM:ks
Enclosures



An Equal Opportunity Employer M/F/D

Commonwealth of Kentucky DEPARTMENT OF HIGHWAYS

PLANS OF PROPOSED PROJECT CAMPBELL COUNTY HPP 0166 (007)



AA HIGHWAY TO I-275 CONNECTOR - JOHNS HILL ROAD TO THREE MILE ROAD

THESE PLANS ARE FOR GRADE, DRAIN & SURFACING

SHEET NO.	DESCRIPTION
R1	LAYOUT SHEET
R2 - R2H	TYPICAL SECTIONS
R21 - R2M	SUMMARY OF QUANTITIES
R2N	GENERAL NOTES
R3 - R15	PLAN AND PROFILE SHEETS
R15A - R15G	BENCHING DETAIL SHEETS
R15H - R15S	DETAIL SHEETS
R15T	DETAIL SHEET - DETENTION BASIN GRADING DESIGN
R16 - R18A	ROW SHEETS
R19	DETAIL SHEETS - I-275 RAMP
R20 - R200	DETAIL SHEETS - JOHNS HILL ROAD ROUNDABOUT
R21 - R210	DETAIL SHEETS - THREE MILE ROAD ROUNDABOUT
R22 - R25P	TEMPORARY TRAFFIC CONTROL SHEETS
R31 - R38	EROSION CONTROL SHEETS
R39 - R40	COORDINATE CONTROL/RW MONUMENTATION SHEETS
R41 - R58	GEOTECHNICAL SHEETS
R59 - R72	PIPE DRAINAGE SHEETS
R73 - R78	UTILITY REFERENCE SHEETS
T1 - T6	LIGHTING PLANS
T7 - T23	SIGNING AND STRIPING PLANS
U1 - U9	SANITARY SEWER RELOCATION PLANS
U10 - U16	WATER MAIN RELOCATION PLANS
X1 - X77	CROSS SECTION SHEETS
X150 - X182	CROSS SECTION SHEETS - JOHNS HILL ROAD ROUNDABOUT
X183 - X231	CROSS SECTION SHEETS - THREE MILE ROAD ROUNDABOUT

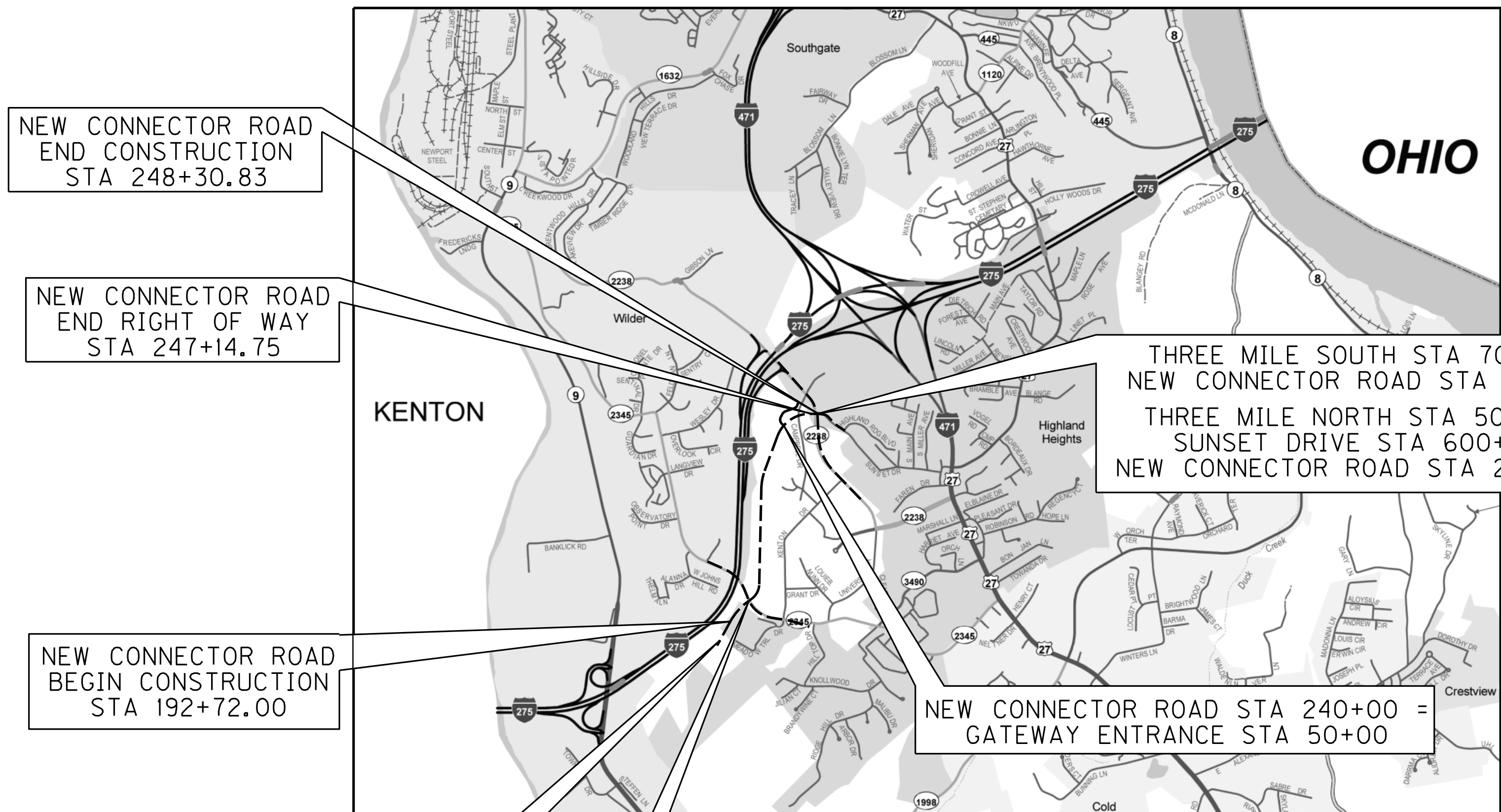
TOTAL SHEETS: 359

SHEETS NOT INCLUDED IN TOTAL SHEETS	
NOT COUNTED	2A - 2N, 3A, 9A, 10A, 15A - 15T, 18A, 20A - 20O, 21A - 21O, 24A - 24O, 25A - 25P
NOT USED	R26-R30, X78-X149

STANDARD DRAWINGS		
NUMBER		
RBC-002-02	RDI-001-09	RGS-001-06
RBI-001-10	RDI-002-04	RGS-002-05
RBI-002-06	RDI-003-04	
RBI-003-08	RDI-020-08	RGX-001-05
RBI-004-04	RDI-021	RGX-010-03
	RDI-025-04	RGX-020-12
	RDI-026	RGX-030-06
RBR-010-05	RDI-035-01	RGX-200
RBR-016-04	RDI-041	
RBR-020-05		RPM-011-05
		RPM-100-09
RDB-003-07	RDM-001-06	RPM-152-07
RDB-004-09	RDM-010-05	
RDB-007-02	RDM-011-04	RPN-015-04
RDB-008-03	RDM-012-02	
RDB-011-07	RDM-013-03	RPS-010-10
RDB-013-06	RDM-100-02	RPS-020-13
RDB-014-05	RDP-001-05	
RDB-015-03	RDP-005-04	RPX-010-04
RDB-016-02	RDP-006-03	RPX-100-02
RDB-017-02	RDP-007-03	
RDB-018-03	RDP-010-08	TTC-150-02
RDB-019-03		TTC-160-01
RDB-100-04	RDX-001-05	
RDB-101-04	RDX-002-03	TTD-110-01
RDB-270-08	RDX-060-03	TTD-120-01
RDB-271-04	RDX-160-05	TTD-125-01
RDB-272-06	RDX-210-02	
RDB-273-05	RDX-220-04	TTS-105-01
RDB-400-04	RDX-230	TTS-115-01
RDB-410-05		TTS-130-01
RDB-420-04	RFC-001-07	
RDB-430-04		
RDD-001-05	RFW-001-05	
RDD-002-06	RFW-005-07	
RDD-040-04		

TOTAL NUMBER STANDARDS: 86

SEPIA DRAWINGS #2, 5, 7, 8, 12, 13, 14, 16, 17, 26, 28, 29 HAVE BEEN INCLUDED AS DETAIL SHEETS RISH THROUGH R15S



NEW CONNECTOR ROAD
END CONSTRUCTION
STA 248+30.83

NEW CONNECTOR ROAD
END RIGHT OF WAY
STA 247+14.75

NEW CONNECTOR ROAD
BEGIN CONSTRUCTION
STA 192+72.00

NEW CONNECTOR ROAD
BEGIN RIGHT OF WAY
STA 189+98.62

NEW CONNECTOR ROAD STA 199+96.32 =
JOHNS HILL ROAD STA 402+74.09

THREE MILE SOUTH STA 700+00 =
NEW CONNECTOR ROAD STA 248+11.79
THREE MILE NORTH STA 500+00 =
SUNSET DRIVE STA 600+00 =
NEW CONNECTOR ROAD STA 248+30.83

NEW CONNECTOR ROAD STA 240+00 =
GATEWAY ENTRANCE STA 50+00

THIS PROJECT IS A PARTIALLY
CONTROLLED ACCESS HIGHWAY.
ACCESS SHALL BE PROVIDED ONLY
WHERE SPECIFICALLY INDICATED
ON PLANS.



SCALE IN = FEET

LAYOUT MAP

THIS PROJECT IS OFF THE NH SYSTEM

FILE NAME:
USER: DATE PLOTTED:
E-SHEET NAME:
MicroStation v8.11.7.443

DESIGN CRITERIA

CLASS OF HIGHWAY	URBAN COLLECTOR
TYPE OF TERRAIN	ROLLING
DESIGN SPEED	45 MPH
REQUIRED NPSD	360 FT
REQUIRED PSD	NO PASSING
LEVEL OF SERVICE	N/A
ADT PRESENT ()	NEW ROADWAY
ADT FUTURE (2030)	12,600
DHV	1,220
D %	50%
T %	3%

GEOGRAPHIC COORDINATES

LATITUDE 39 DEGREES 02 MINUTES 03 SECONDS NORTH
LONGITUDE -84 DEGREES 28 MINUTES 05 SECONDS WEST

DESIGNED

% RESTRICTED SD	N/A
LEVEL OF SERVICE	N/A
MAX. DISTANCE W/O PASSING	NO PASSING

NEW CONNECTOR ROAD	JOHNS HILL ROAD	THREE MILE ROAD	I-275 RAMP & SUNSET DRIVE
LENGTH <u>5559</u> LIN. FT. <u>1.053</u> MILES	LENGTH <u>1267</u> LIN. FT. <u>0.240</u> MILES	LENGTH <u>1866</u> LIN. FT. <u>0.353</u> MILES	LENGTH <u>681</u> LIN. FT. <u>0.129</u> MILES
ADDED [] FOR EQUALITIES DEDUCTED [] NOT INCLUDED	ADDED [] FOR EQUALITIES DEDUCTED [] NOT INCLUDED	ADDED [] FOR EQUALITIES DEDUCTED [] NOT INCLUDED	ADDED [] FOR EQUALITIES DEDUCTED [] NOT INCLUDED
RAILROAD CROSSINGS NO. _____ LIN. FT. _____	RAILROAD CROSSINGS NO. _____ LIN. FT. _____	RAILROAD CROSSINGS NO. _____ LIN. FT. _____	RAILROAD CROSSINGS NO. _____ LIN. FT. _____
BRIDGES _____ LIN. FT. _____	BRIDGES _____ LIN. FT. _____	BRIDGES _____ LIN. FT. _____	BRIDGES _____ LIN. FT. _____

**Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS
COUNTY OF
CAMPBELL**

ITEM NO. 6-8105.05
PROJECT NUMBER: HPP 0166 (007)
FD52 019 NEW ROUTE
LETTING DATE: _____

RECOMMENDED BY: NICHOLE BODEN DATE: 10/23/15
PROJECT MANAGER

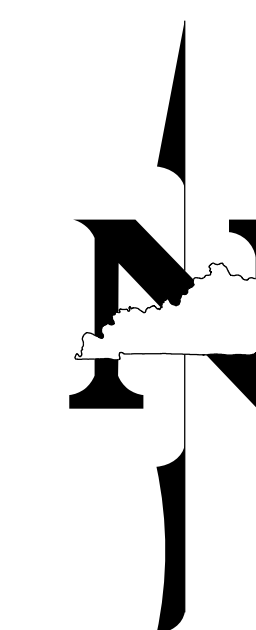
PLAN APPROVED BY: Robert C. Lewis DATE: 11-20-15
ACTING STATE HIGHWAY ENGINEER

Stantec

STATE OF KENTUCKY
ADAM R. McLAIN
26744
LICENSED PROFESSIONAL ENGINEER

Adam R. McLain 10/23/2015

REVISED 12-1-15



Commonwealth of Kentucky DEPARTMENT OF HIGHWAYS

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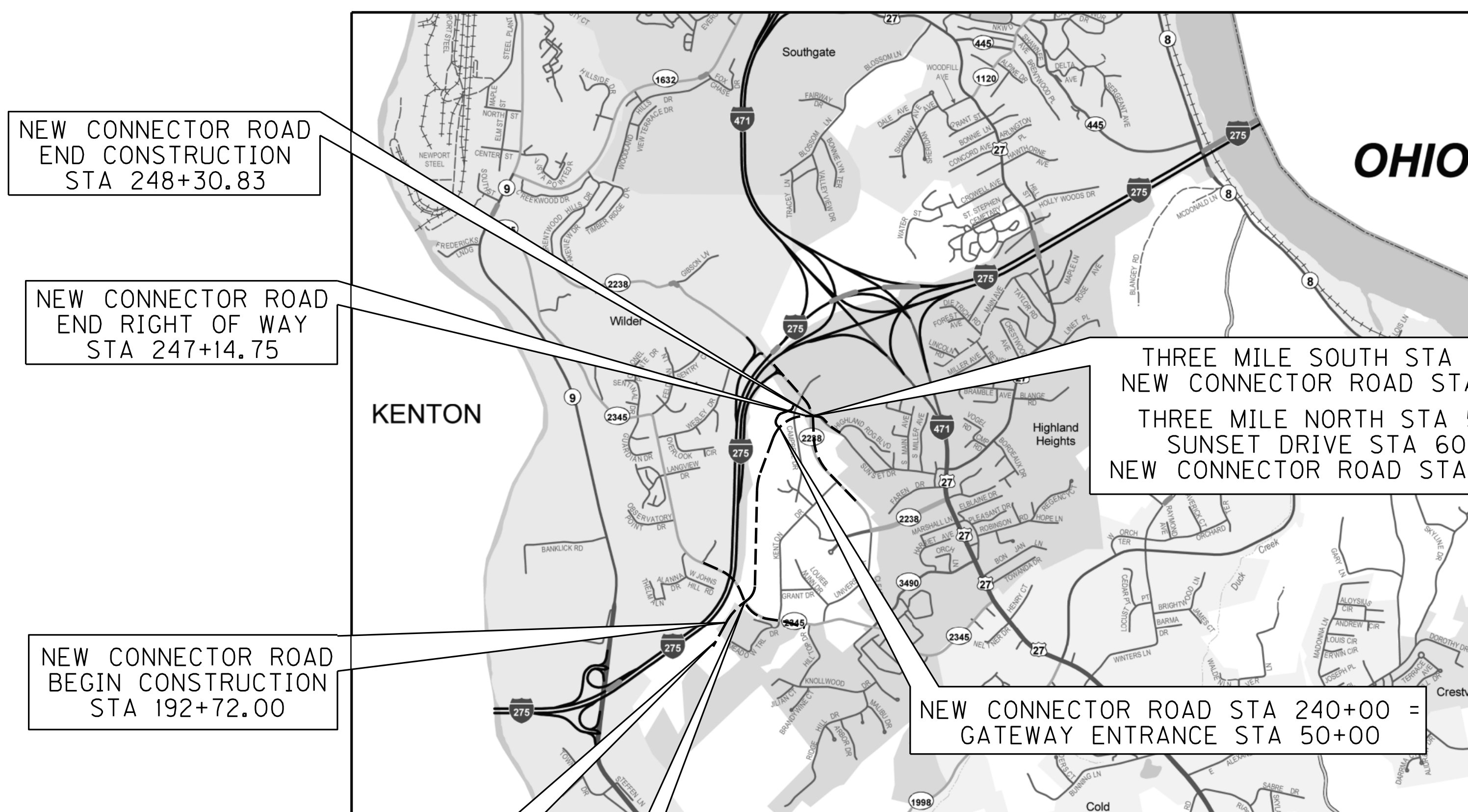
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NEW CONNECTOR ROAD
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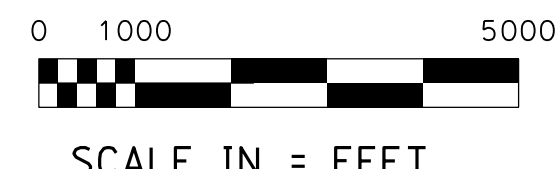
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LAYOUT MAP

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ADDED <input type="checkbox"/> FOR EQUALITIES DEDUCTED <input type="checkbox"/> NOT INCLUDED	ADDED <input type="checkbox"/> FOR EQUALITIES DEDUCTED <input type="checkbox"/> NOT INCLUDED	ADDED <input type="checkbox"/> FOR EQUALITIES DEDUCTED <input type="checkbox"/> NOT INCLUDED	ADDED <input type="checkbox"/> FOR EQUALITIES DEDUCTED <input type="checkbox"/> NOT INCLUDED
RAILROAD CROSSINGS NO. _____ LIN. FT.	RAILROAD CROSSINGS NO. _____ LIN. FT.	RAILROAD CROSSINGS NO. _____ LIN. FT.	RAILROAD CROSSINGS NO. _____ LIN. FT.
BRIDGES _____ LIN. FT.	BRIDGES _____ LIN. FT.	BRIDGES _____ LIN. FT.	BRIDGES _____ LIN. FT.

**Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS
COUNTY OF
CAMPBELL**

ITEM NO. 6-8105.05
PROJECT NUMBER: HPP 0166 (007)
FD52 019 NEW ROUTE
LETTING DATE: _____

RECOMMENDED BY: NICHOLE BODEN DATE: 10/23/15
PROJECT MANAGER

PLAN APPROVED BY: Robert C. Lewis DATE: 11-20-15
ACTING STATE HIGHWAY ENGINEER

Stantec

STATE OF KENTUCKY
ADAM R. McLAIN
26744
LICENSED PROFESSIONAL ENGINEER

Adam R. McLain 10/23/2015

FILE NAME: _____
USER: _____ DATE PLOTTED: _____
E-SHEET NAME: _____
MicroStation v8.11.7.443

ROADWAY LIGHTING ESTIMATE OF QUANTITIES

TOTAL	UNITS	CODE	ITEM DESCRIPTION
3300	LIN FT	24124EC	PVC CONDUIT-2 IN-SCHEDULE 40
27	EACH	4740	POLE BASE
4280	LIN FT	4820	TRENCHING AND BACKFILLING
17	EACH	2039INS835	ELECTRICAL JUNCTION BOX TYPE A
1060	LIN FT	2412IEC	HDPE CONDUIT-2 IN-SCHEDULE 80
2	EACH	24601	INSTALL (TRANSFORMER PAD)

CONSTRUCTION AND MEASUREMENT NOTES THAT ARE CONTRARY TO SECTION 716

SUBSECTION:03.02 LIGHTING STANDARD INSTALLATION.
 REVISION: REPLACE ENTIRE FOURTH SENTENCE IN FIRST PARAGRAPH:
 IF ANY POLE NEEDS TO BE RELOCATED FROM STATIONS INDICATED, THE DIVISION
 OF TRAFFIC OPERATIONS SHALL BE CONTACTED.

SUBSECTION:03.03 TRENCHING.
 REVISION: REMOVE ENTIRE FOURTH SENTENCE IN FIRST PARAGRAPH:
 NO PAYMENT FOR ADDITIONAL JUNCTION BOXES FOR GREATER DEPTHS WILL BE ALLOWED.

SUBSECTION:03.04 CONDUIT INSTALLATION.
 REVISION: ADD THE FOLLOWING TO THE PART TO THE SUBSECTION:
 G) BORE AND JACK. CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH SUBSECTIONS
 706.03.02, PARAGRAPHS 1, 2 AND 4.

SUBSECTION:03.10 JUNCTION BOXES.
 REVISION: REPLACE SUBSECTION TITLE WITH THE FOLLOWING: ELECTRICAL JUNCTION BOX AND REPLACE
 THE LAST SENTENCE OF THE PARAGRAPH WITH THE FOLLOWING: ANY ADDITIONAL JUNCTION BOXES
 SHALL BE APPROVED BY THE ENGINEER.

SUBSECTION:04.04 POLE BASE.
 REVISION: REPLACE THE SECTION WITH THE FOLLOWING: THE DEPARTMENT WILL MEASURE THE QUANTITY AS EACH
 INDIVIDUAL UNIT FURNISHED AND INSTALLED. THIS SHALL ALSO INCLUDED ACQUIRING AND INSTALLING ANCHOR BOLTS
 TO BE FURNISHED TO THE CONTRACTOR BY DUKE ENERGY. ALL MATERIALS REQUIRED TO CONSTRUCT THE POLE BASE
 AS SHOWN ON THE DETAIL SHEET SHALL BE INCLUDED IN THE BID ITEM "POLE BASE". ALL MATERIALS USED SHALL
 MEET SPECIFICATIONS AS REQUIRED. ANY ADDITIONAL MATERIALS AND LABOR REQUIRED
 TO INSTALL POLE BASE AS DETAILED SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM.

SUBSECTION:04.11 CONDUITS.
 REVISION: REPLACE THE SECOND SENTENCE WITH THE FOLLOWING: THE DEPARTMENT WILL NOT MEASURE INSTALLATION IN
 GROUND OR ON STRUCTURES, CONDUIT FITTINGS, TEST PLUGS, EXPANSION JOINTS WITH BONDING STRAPS, GROUNDING LUGS,
 DRILL ANCHORS, CLAMPS, AND ANY ADDITIONAL HARDWARE REQUIRED FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL
 TO THIS ITEM OF WORK.

SUBSECTION:04.13 ELECTRICAL JUNCTION BOX TYPE VARIOUS.
 REVISION: REPLACE THE SECTION WITH THE FOLLOWING: THE DEPARTMENT WILL MEASURE THE QUANTITY AS EACH INDIVIDUAL
 UNIT FURNISHED AND INSTALLED. THE DEPARTMENT WILL NOT MEASURE ADDITIONAL JUNCTION BOXES FOR GREATER DEPTHS THAN
 THOSE IDENTIFIED IN PLANS, #57 AGGREGATE, BACKFILLING, RESTORATION OF DISTURBED AREAS TO THE SATISFACTION OF THE ENGINEER,
 GEOTEXTILE FILTER FABRIC, CONCRETE, HOT DIPPED GALVANIZED COVER, STAINLESS STEEL SCREWS, RUBBER GASKET, AND ANY ASSOCIATED
 HARDWARE FOR PAYMENT , AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK.

SUBSECTION: 04.13 PART A JUNCTION ELECTRICAL. DELETE PART A.

SUBSECTION:04.14 TRENCHING AND BACKFILLING.
 REVISION: REPLACE THE SECTION WITH THE FOLLOWING: THE DEPARTMENT WILL MEASURE THE QUANTITY IN LINEAR FEET. THE
 DEPARTMENT WILL NOT MEASURE EXCAVATION, BACKFILLING, UNDERGROUND UTILITY WARNING TAPE (IF REQUIRED), AND THE RESTORATION OF
 DISTURBED AREAS TO ORIGINAL CONDITION FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK.

THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, CURRENT EDITION,
 AND OTHER SPECIAL NOTES AND SPECIFICATIONS WILL APPLY ON THIS PROJECT. SEE
 SECTION 716 FOR MEASUREMENT AND OTHER DETAILS. SEE SECTION 602 FOR SPIRAL
 REINFORCEMENT SPLICING

THE CONTRACTOR SHALL MAKE AN INSPECTION OF THE PROJECT SITE PRIOR TO SUBMITTING
 A BID AND SHALL BE THOROUGHLY FAMILIARIZED WITH EXISTING CONDITIONS.
 SUBMISSIONS OF A BID WILL BE CONSIDERED AN AFFIRMATION OF THIS INSPECTION
 HAVING BEEN COMPLETED.

CONTRACTOR SHALL CONTACT DUKE ENERGY PERSONNEL LISTED BELOW TO COORDINATE
 SCHEDULING, EQUIPMENT PICK UP, AND DELIVERY OF MATERIALS:

ADAM RUACH
 DUKE ENERGY
 859.534.4378 OFFICE
 513.967.1089 CELL

CONSTRUCTION AND MEASUREMENT NOTE IN ADDITION TO SECTION 716

TRANSFORMER PAD - THE DEPARTMENT WILL MEASURE THE QUANTITY AS EACH
 INDIVIDUAL UNIT INSTALLED. THE DEPARTMENT WILL NOT MEASURE EXCAVATION,
 GRANULAR BACKFILL, CONDUITS, FITTINGS, GROUND RODS, GROUND WIRES, GROUND LUGS,
 RESTORING DISTURBED AREAS TO THE SATISFACTION OF THE ENGINEER, AND ANY
 ASSOCIATED HARDWARE FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO
 THIS ITEM OF WORK.

DESIGNED BY: STANTEC	
DATE SUBMITTED:	
Commonwealth of Kentucky DEPARTMENT OF HIGHWAYS COUNTY OF CAMPBELL	
PROJECT NUMBER:	HPP 0166 (007) FD52 019 NEW ROUTE
ROADWAY LIGHTING ESTIMATES OF QUANTITIES, CONSTRUCTION, MEASUREMENT AND MISC NOTES	

FILE NAME: V:\1785\ACTIVE\17856500\ROADWAY LIGHTING\T00100SU.DGN

USER: koswold
DATE PLOTTED: October 14, 2015

E-SHEET NAME: T00100SU

MicroStation v8.11.7.443

REVISED 12-1-15

ROADWAY LIGHTING ESTIMATE OF QUANTITIES

TOTAL	UNITS	CODE	ITEM DESCRIPTION
3300	LIN FT	24124EC	PVC CONDUIT-2 IN-SCHEDULE 40
27	EACH	4740	POLE BASE
4280	LIN FT	4820	TRENCHING AND BACKFILLING
17	EACH	2039INS835	ELECTRICAL JUNCTION BOX TYPE A
1060	LIN FT	24121EC	HDPE CONDUIT-2 IN-SCHEDULE 80
2	EACH	24601	INSTALL (TRANSFORMER PAD)

THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, CURRENT EDITION, AND OTHER SPECIAL NOTES AND SPECIFICATIONS WILL APPLY ON THIS PROJECT. SEE SECTION 716 FOR MEASUREMENT AND OTHER DETAILS. SEE SECTION 602 FOR SPIRAL REINFORCEMENT SPLICING

THE CONTRACTOR SHALL MAKE AN INSPECTION OF THE PROJECT SITE PRIOR TO SUBMITTING A BID AND SHALL BE THOROUGHLY FAMILIARIZED WITH EXISTING CONDITIONS. SUBMISSIONS OF A BID WILL BE CONSIDERED AN AFFIRMATION OF THIS INSPECTION HAVING BEEN COMPLETED.

CONTRACTOR SHALL CONTACT DUKE ENERGY PERSONNEL LISTED BELOW TO COORDINATE SCHEDULING, EQUIPMENT PICK UP, AND DELIVERY OF MATERIALS:

ADAM RUACH
DUKE ENERGY
859.534.4378 OFFICE
513.967.1089 CELL

CONSTRUCTION AND MEASUREMENT NOTE IN ADDITION TO SECTION 716

TRANSFORMER PAD - THE DEPARTMENT WILL MEASURE THE QUANTITY AS EACH INDIVIDUAL UNIT INSTALLED. THE DEPARTMENT WILL NOT MEASURE EXCAVATION, GRANULAR BACKFILL, CONDUITS, FITTINGS, GROUND RODS, GROUND WIRES, GROUND LUGS, RESTORING DISTURBED AREAS TO THE SATISFACTION OF THE ENGINEER, AND ANY ASSOCIATED HARDWARE FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK.

CONSTRUCTION AND MEASUREMENT NOTES THAT ARE CONTRARY TO SECTION 716

SUBSECTION:03.02 LIGHTING STANDARD INSTALLATION.
REVISION: REPLACE ENTIRE FOURTH SENTENCE IN FIRST PARAGRAPH:
IF ANY POLE NEEDS TO BE RELOCATED FROM STATIONS INDICATED, THE DIVISION OF TRAFFIC OPERATIONS SHALL BE CONTACTED.

SUBSECTION:03.03 TRENCHING.
REVISION: REMOVE ENTIRE FOURTH SENTENCE IN FIRST PARAGRAPH:
NO PAYMENT FOR ADDITIONAL JUNCTION BOXES FOR GREATER DEPTHS WILL BE ALLOWED.

SUBSECTION:03.04 CONDUIT INSTALLATION.
REVISION: ADD THE FOLLOWING TO THE PART TO THE SUBSECTION:
G) BORE AND JACK. CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH SUBSECTIONS 706.03.02, PARAGRAPHS 1, 2 AND 4.

SUBSECTION:03.10 JUNCTION BOXES.
REVISION: REPLACE SUBSECTION TITLE WITH THE FOLLOWING: ELECTRICAL JUNCTION BOX AND REPLACE THE LAST SENTENCE OF THE PARAGRAPH WITH THE FOLLOWING: ANY ADDITIONAL JUNCTION BOXES SHALL BE APPROVED BY THE ENGINEER.

SUBSECTION:04.04 POLE BASE.
REVISION: REPLACE THE SECTION WITH THE FOLLOWING: THE DEPARTMENT WILL MEASURE THE QUANTITY AS EACH INDIVIDUAL UNIT FURNISHED AND INSTALLED. THIS SHALL ALSO INCLUDED ACQUIRING AND INSTALLING ANCHOR BOLTS TO BE FURNISHED TO THE CONTRACTOR BY DUKE ENERGY. ALL MATERIALS REQUIRED TO CONSTRUCT THE POLE BASE AS SHOWN ON THE DETAIL SHEET SHALL BE INCLUDED IN THE BID ITEM "POLE BASE". ALL MATERIALS USED SHALL MEET SPECIFICATIONS AS REQUIRED. ANY ADDITIONAL MATERIALS AND LABOR REQUIRED TO INSTALL POLE BASE AS DETAILED SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM.

SUBSECTION:04.11 CONDUITS.
REVISION: REPLACE THE SECOND SENTENCE WITH THE FOLLOWING: THE DEPARTMENT WILL NOT MEASURE INSTALLATION IN GROUND OR ON STRUCTURES, CONDUIT FITTINGS, TEST PLUGS, EXPANSION JOINTS WITH BONDING STRAPS, GROUNDING LUGS, DRILL ANCHORS, CLAMPS, AND ANY ADDITIONAL HARDWARE REQUIRED FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK.

SUBSECTION:04.13 ELECTRICAL JUNCTION BOX TYPE VARIOUS.
REVISION: REPLACE THE SECTION WITH THE FOLLOWING: THE DEPARTMENT WILL MEASURE THE QUANTITY AS EACH INDIVIDUAL UNIT FURNISHED AND INSTALLED. THE DEPARTMENT WILL NOT MEASURE ADDITIONAL JUNCTION BOXES FOR GREATER DEPTHS THAN THOSE IDENTIFIED IN PLANS, #57 AGGREGATE, BACKFILLING, RESTORATION OF DISTURBED AREAS TO THE SATISFACTION OF THE ENGINEER, GEOTEXTILE FILTER FABRIC, CONCRETE, HOT DIPPED GALVANIZED COVER, STAINLESS STEEL SCREWS, RUBBER GASKET, AND ANY ASSOCIATED HARDWARE FOR PAYMENT , AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK.

SUBSECTION: 04.13 PART A JUNCTION ELECTRICAL. DELETE PART A.

SUBSECTION:04.14 TRENCHING AND BACKFILLING.
REVISION: REPLACE THE SECTION WITH THE FOLLOWING: THE DEPARTMENT WILL MEASURE THE QUANTITY IN LINEAR FEET. THE DEPARTMENT WILL NOT MEASURE EXCAVATION, BACKFILLING, UNDERGROUND UTILITY WARNING TAPE (IF REQUIRED), AND THE RESTORATION OF DISTURBED AREAS TO ORIGINAL CONDITION FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK.

DESIGNED BY: STANTEC	
DATE SUBMITTED:	
Commonwealth of Kentucky DEPARTMENT OF HIGHWAYS COUNTY OF CAMPBELL	
PROJECT NUMBER:	HPP 0166 (007) FD52 019 NEW ROUTE
ROADWAY LIGHTING ESTIMATES OF QUANTITIES, CONSTRUCTION, MEASUREMENT AND MISC NOTES	

FILE NAME: W:\1785\ACTIVE\17856500\ROADWAY LIGHTING\T00100SU.DGN

USER: koswold
DATE PLOTTED: October 14, 2015

E-SHEET NAME: T00100SU

MicroStation v8.11.7.443

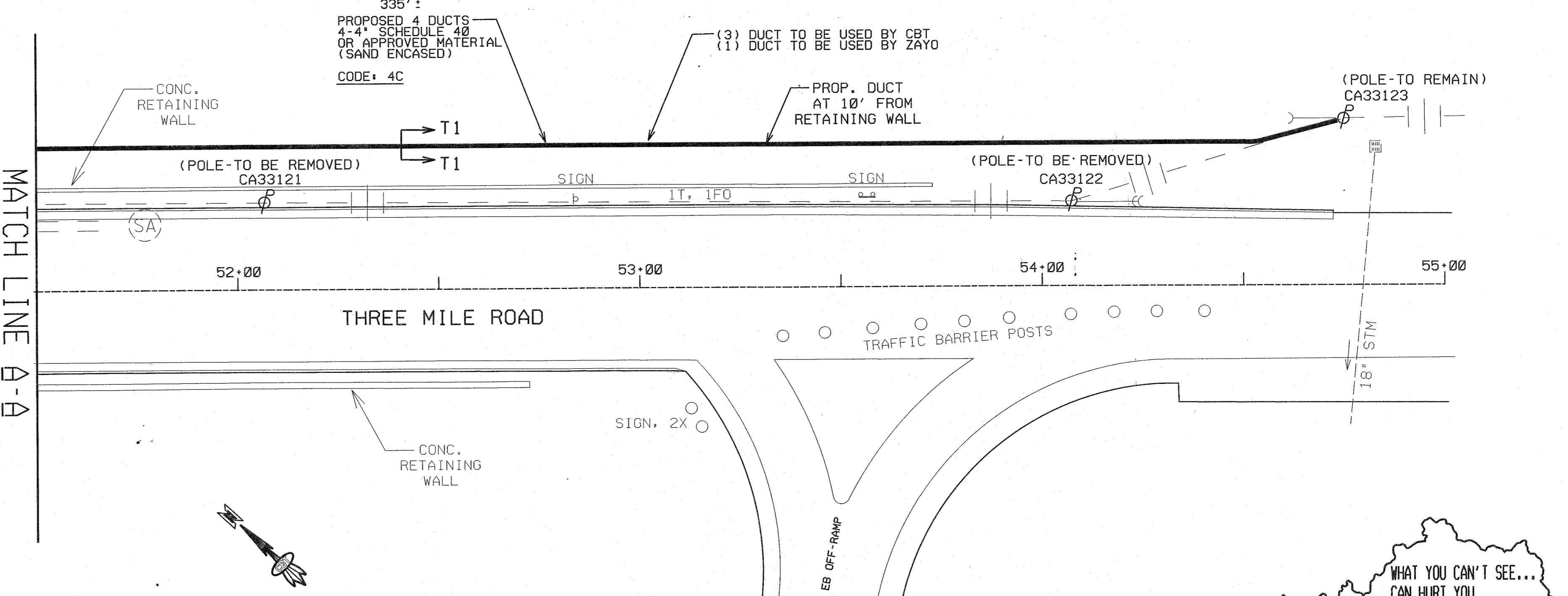
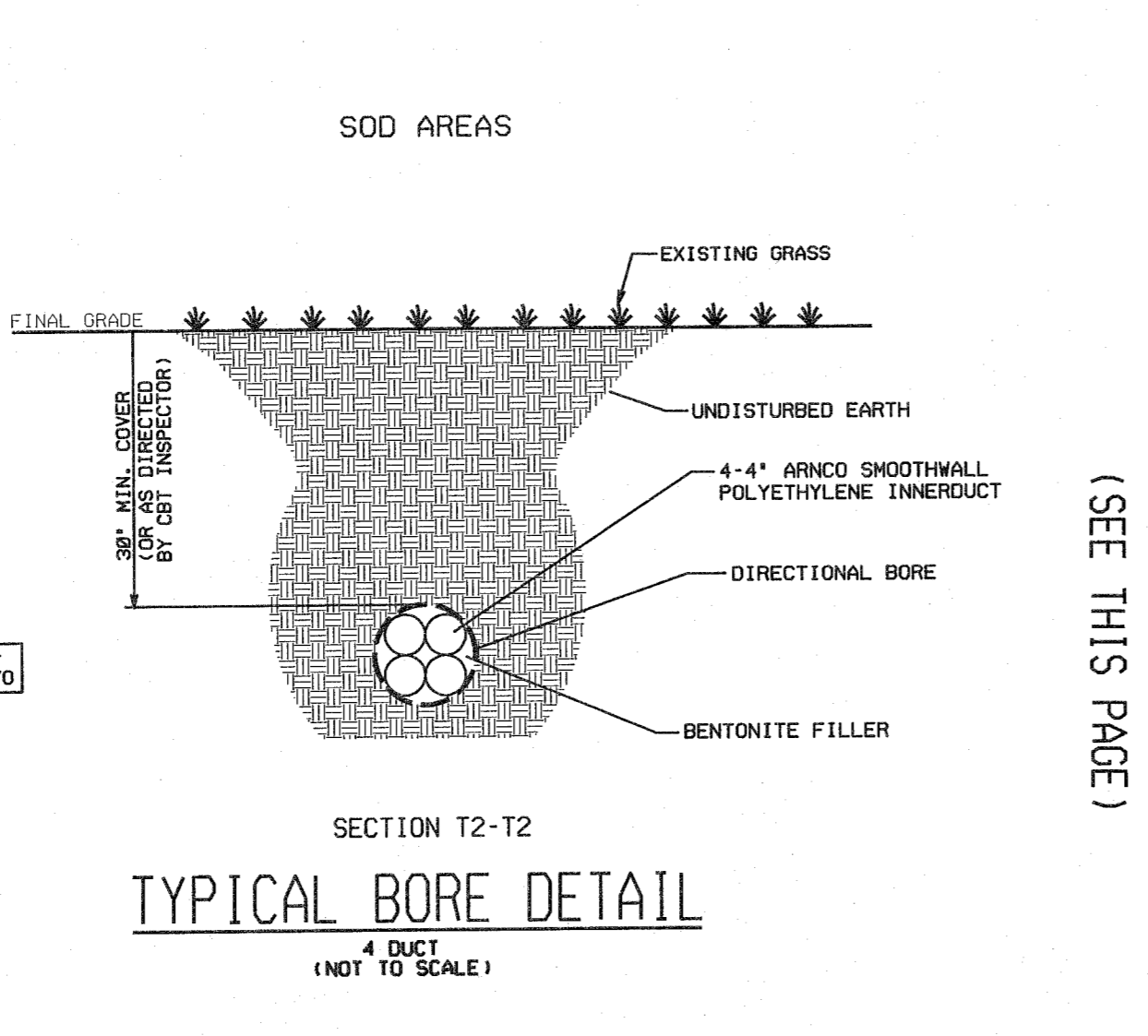
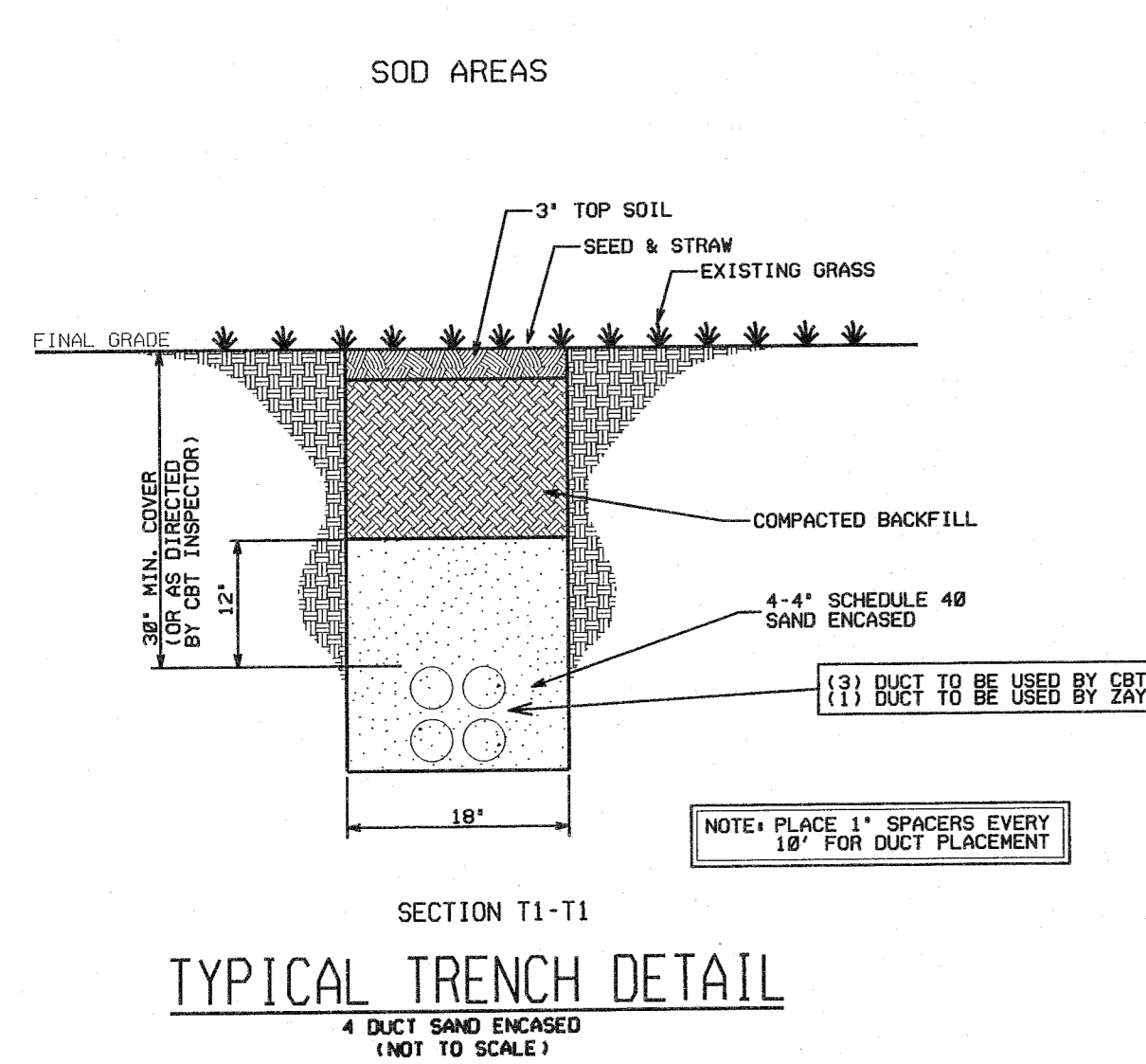
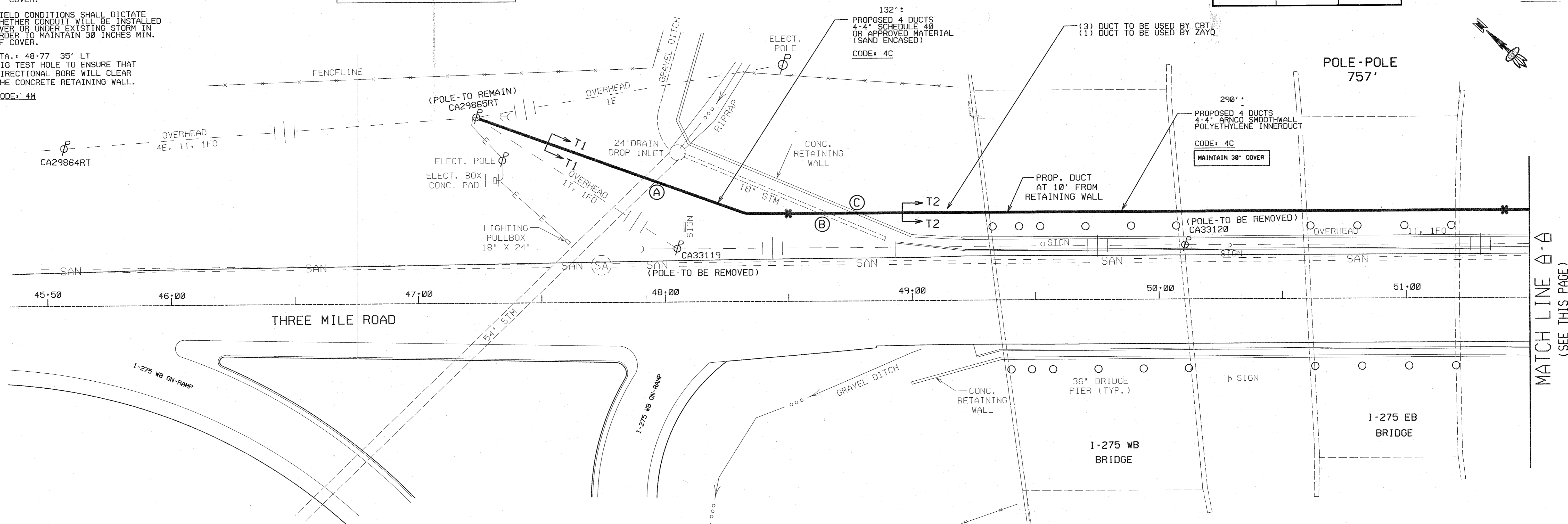
NOTES

- (A) FIELD CONDITIONS SHALL DICTATE WHETHER CONDUIT WILL BE INSTALLED OVER OR UNDER EXISTING STORM IN ORDER TO MAINTAIN 30 INCHES MIN. OF COVER.
- (B) FIELD CONDITIONS SHALL DICTATE WHETHER CONDUIT WILL BE INSTALLED OVER OR UNDER EXISTING STORM IN ORDER TO MAINTAIN 30 INCHES MIN. OF COVER.
- (C) STA. 48+77 35' LT DIG TEST HOLE TO ENSURE THAT DIRECTIONAL BORE WILL CLEAR THE CONCRETE RETAINING WALL. CODE: 4M

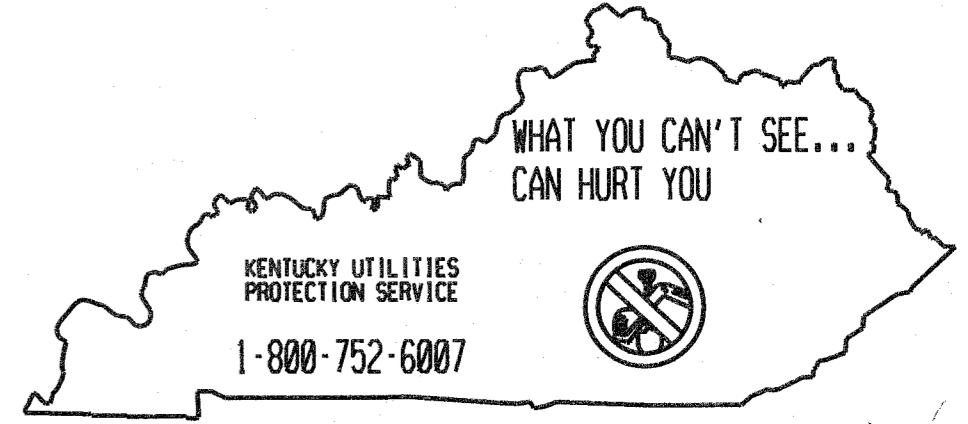
DIRECTIONAL BORE FROM STA. 48+50 TO STA. 51+40 DISTANCE OF 290'

THIS DUCT SYSTEM INSTALLED BY STATE OF KENTUCKY AND IS TO BE MAINTAINED BY CINCINNATI BELL & ZAYO.

COUNTY OF	ITEM NO.	SHEET NO.	CONDUIT PLATS:	DIST. MAPS:
CAMPBELL	8105.05	U18	BK-15a	934560.2
			PG-	



SHEET 2 OF 2
COMMUNICATIONS
DUCT PLAN



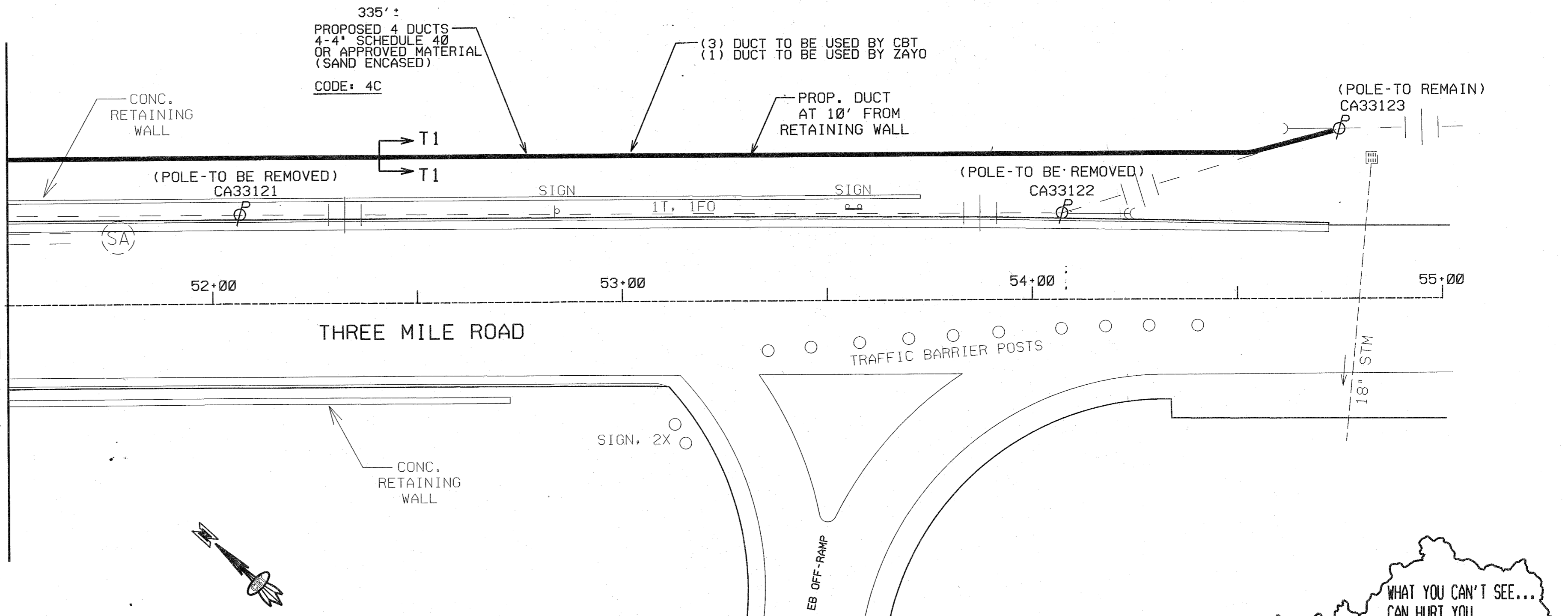
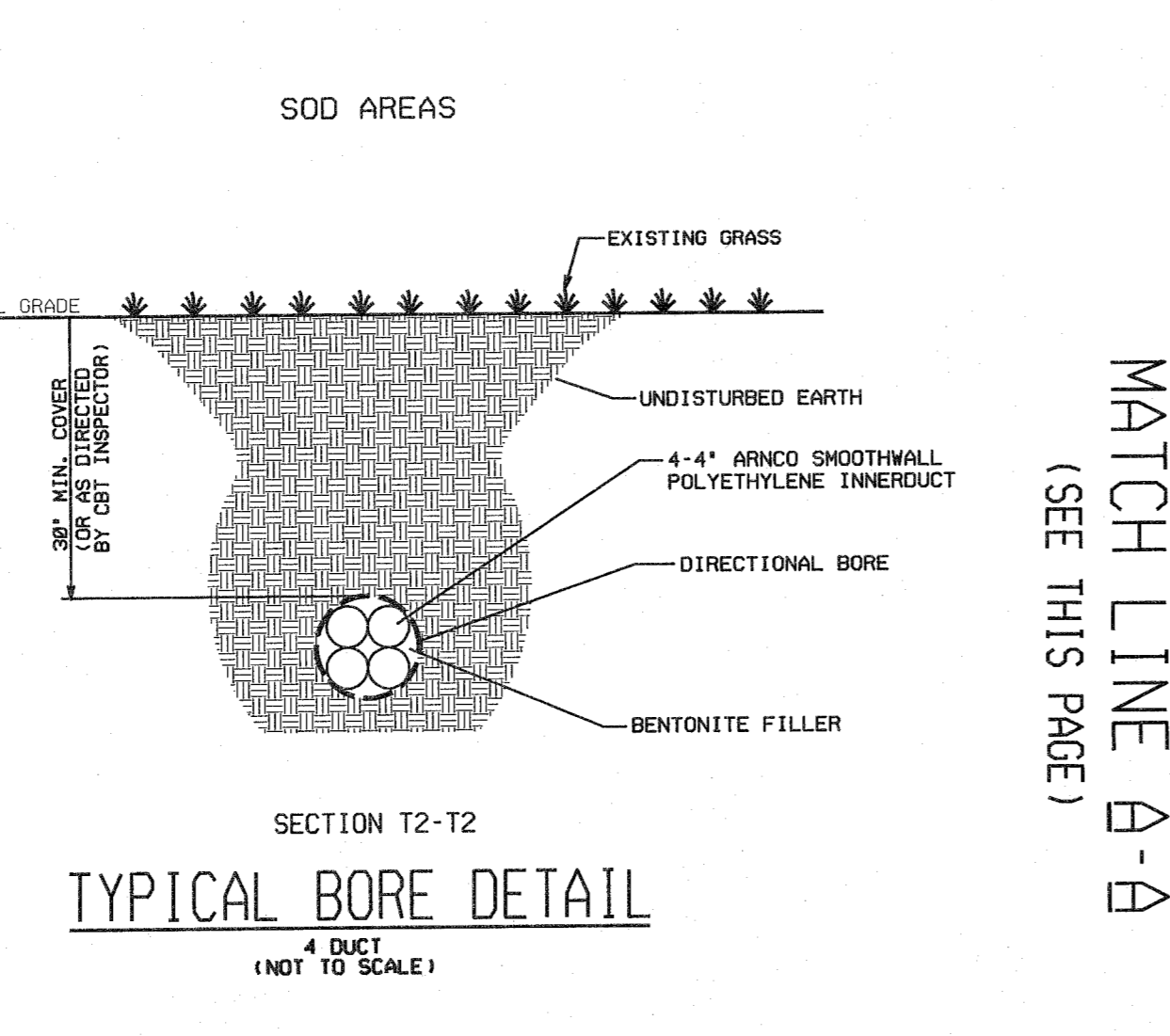
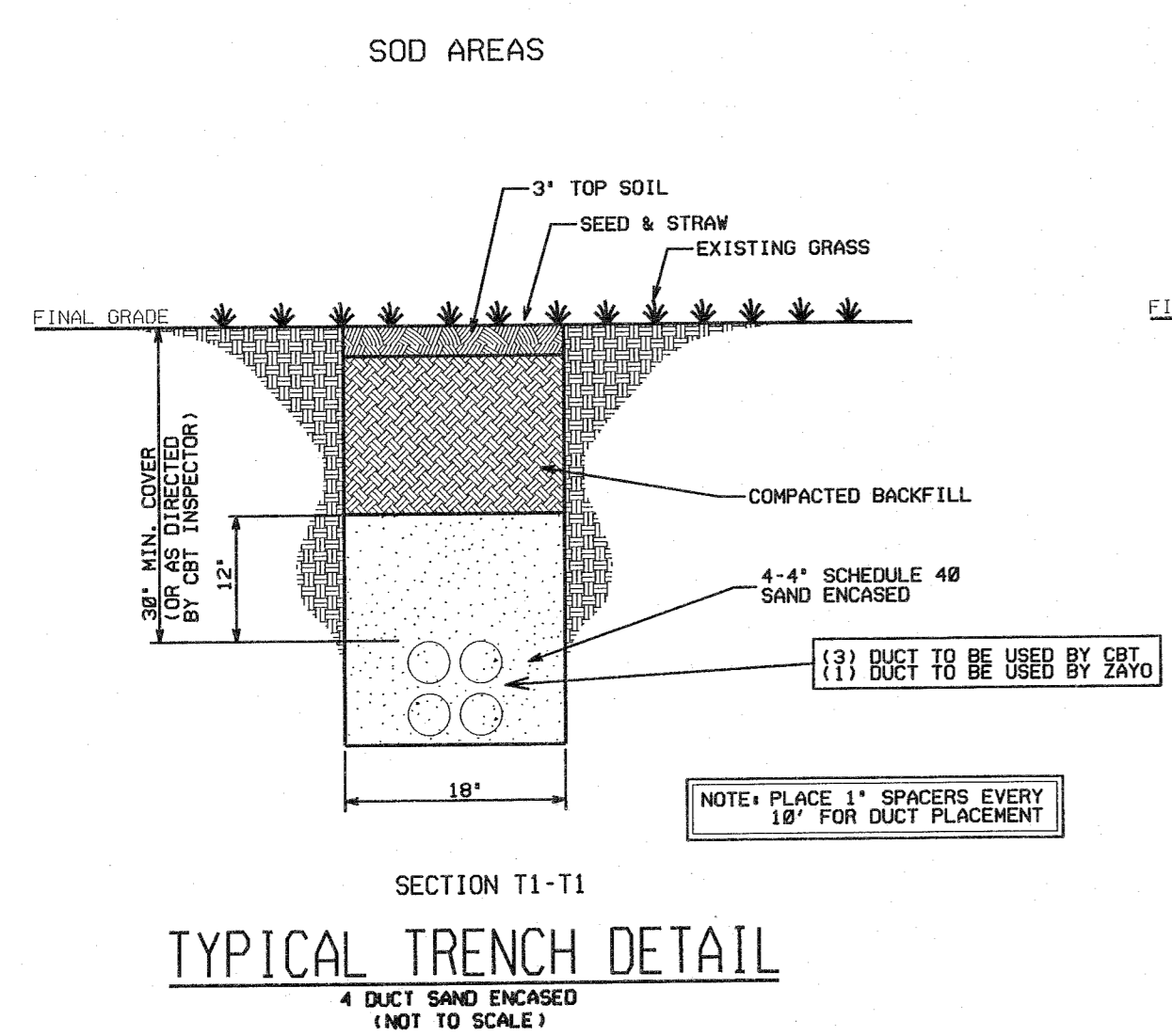
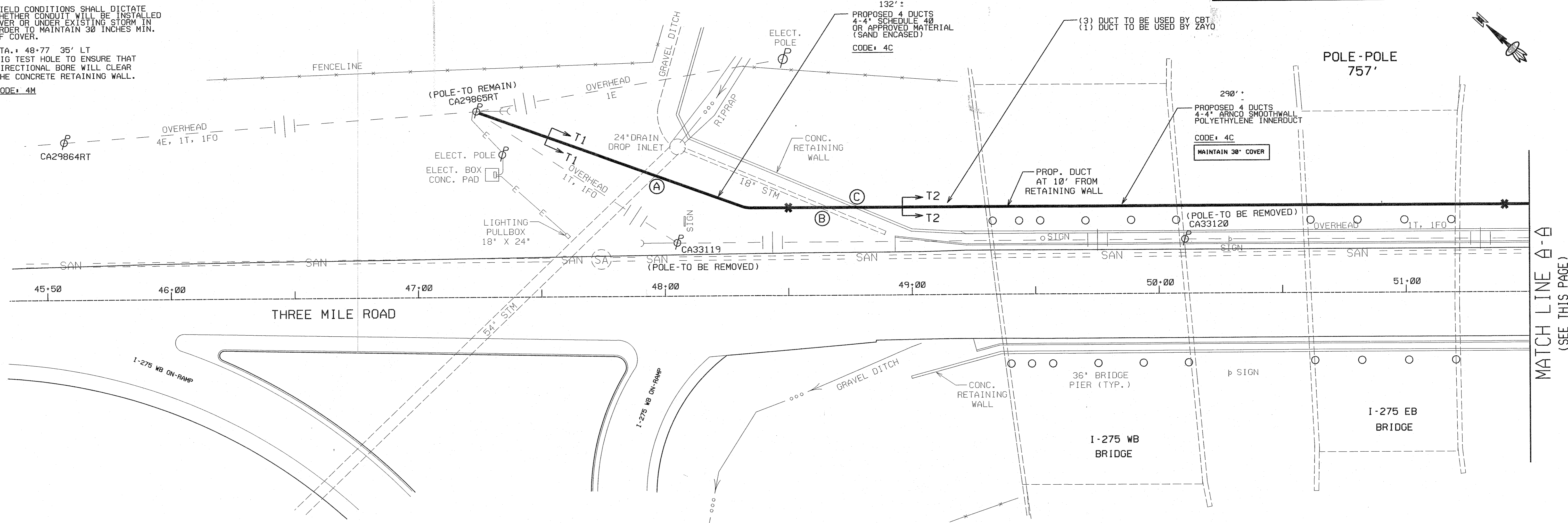
NOTES

- (A) FIELD CONDITIONS SHALL DICTATE WHETHER CONDUIT WILL BE INSTALLED OVER OR UNDER EXISTING STORM IN ORDER TO MAINTAIN 30 INCHES MIN. OF COVER.
- (B) FIELD CONDITIONS SHALL DICTATE WHETHER CONDUIT WILL BE INSTALLED OVER OR UNDER EXISTING STORM IN ORDER TO MAINTAIN 30 INCHES MIN. OF COVER.
- (C) STA. 48+77 35' LT DIG TEST HOLE TO ENSURE THAT DIRECTIONAL BORE WILL CLEAR THE CONCRETE RETAINING WALL. CODE: 4M

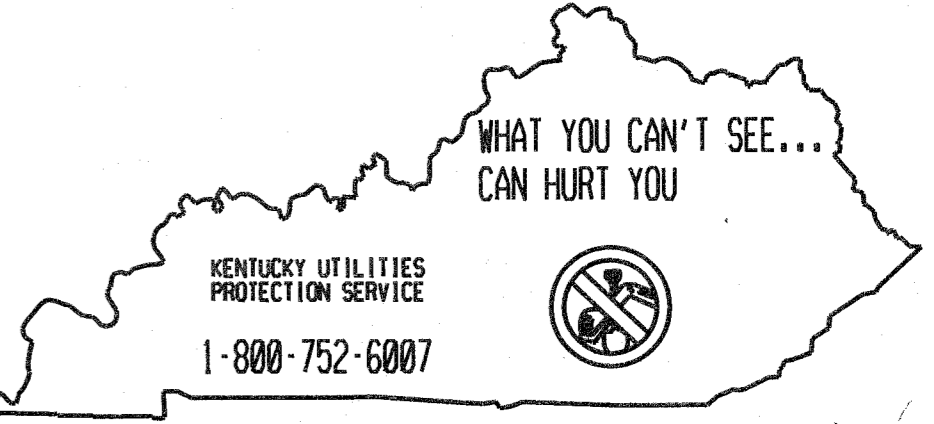
DIRECTIONAL BORE FROM STA. 48+50 TO STA. 51+40 DISTANCE OF 290'

THIS DUCT SYSTEM INSTALLED BY STATE OF KENTUCKY AND IS TO BE MAINTAINED BY CINCINNATI BELL & ZAYO.

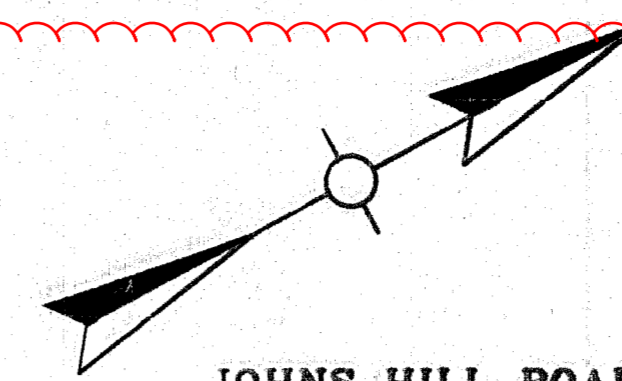
COUNTY OF	ITEM NO.	SHEET NO.	CONDUIT PLATS:	DIST. MAPS:
CAMPBELL	8105.05	U18	BK-15a	934560.2
			PG-	



SHEET 2 OF 2
COMMUNICATIONS
DUCT PLAN



REVISED 12-1-15



**BEGIN CONSTRUCTION - SECTION 2
NEW CONNECTOR ROAD
STA. 192+72.00**

**BEGIN CONSTRUCTION
JOHNS HILL ROAD
STA. 398+60.57**

JOHNS HILL ROAD
P.I. STA. 397+10.72
 $\Delta = 44^\circ 06' 40'' RT$
T - 336.37'
L - 639.18'
R - 630.22'
E - 65.55'
V - 35mph
e - SEE XS

NEW CONNECTOR ROAD
P.I. STA. 196+83.01
 $\Delta = 24^\circ 44' 30.11'' RT$
T - 285.13'
L - 561.37'
R - 1300.00'
E - 30.90'
e - 3.60%

**SEE ROUNDABOUT SHEETS FOR DETAILS
AND QUANTITIES FOR:
NEW CONNECTOR ROAD STA. 196+00 TO STA. 203+00
JOHNS HILL ROAD STA. 398+60.57 TO STA. 406+00**

NEW CONNECTOR ROAD
P.I. STA. 202+87.98
 $\Delta = 51^\circ 59' 32'' LT$
T - 195.08'
L - 382.97'
R - 400.00'
E - 45.03'
V - 35mph
e - 6.00%

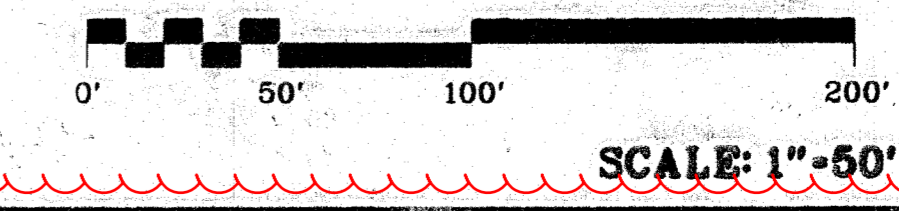
**NEW CONNECTOR ROAD STA 199+96.32 -
JOHNS HILL ROAD STA 402+74.09**

JOHNS HILL ROAD
P.I. STA. 406+15.31
 $\Delta = 59^\circ 21' 20'' LT$
T - 370.42'
L - 673.37'
R - 650.00'
E - 98.14'
V - 35mph
e - N.C.

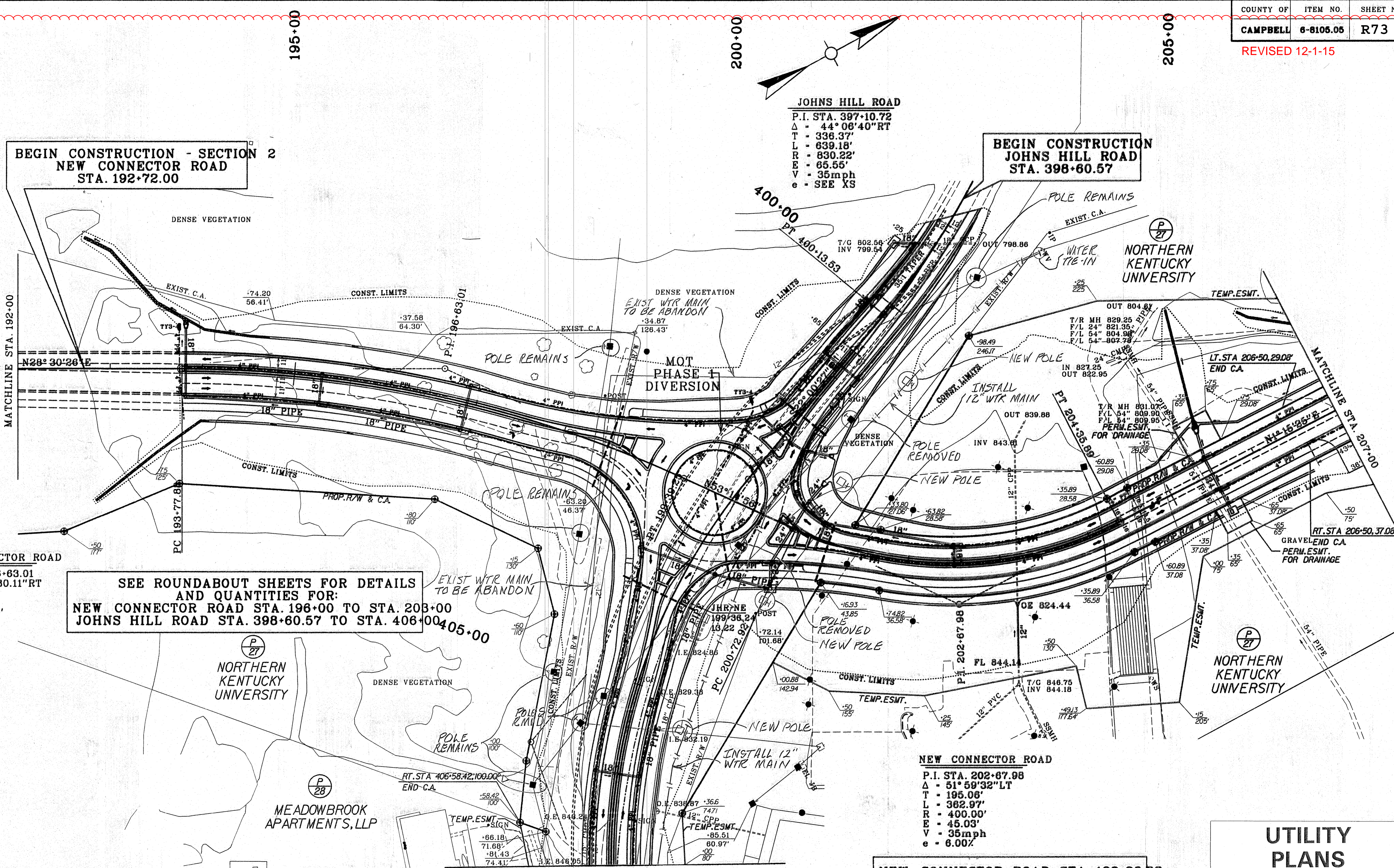
**UTILITY
PLANS**

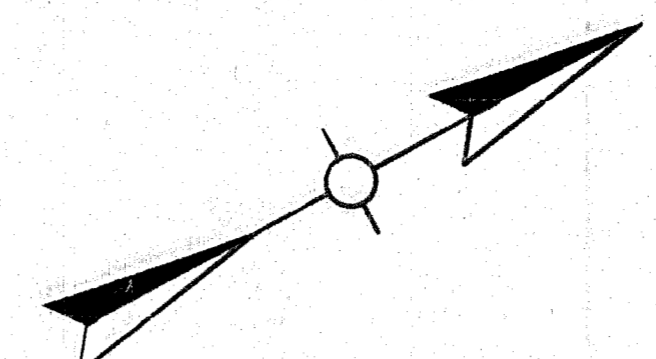
FOR UTILITY INFORMATION ONLY
SHEET 1 OF 6

**NEW CONNECTOR ROAD
PLAN SHEET
STA. 192+00 - STA. 207+00**



FILE NAME: _____
 USER: _____ DATE PLOTTED: _____
 E-SHEET NAME: _____
 MicroStation v8.11.7.443





**BEGIN CONSTRUCTION - SECTION 2
NEW CONNECTOR ROAD
STA. 192+72.00**

**BEGIN CONSTRUCTION
JOHNS HILL ROAD
STA. 398+60.57**

JOHNS HILL ROAD
 P.I. STA. 397+10.72
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**SEE ROUNDABOUT SHEETS FOR DETAILS
AND QUANTITIES FOR:
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 $\Delta = 51^\circ 59' 32'' \text{LT}$
 T - 195.08'
 L - 382.97'
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 E - 45.03'
 V - 35mph
 e - 6.00%

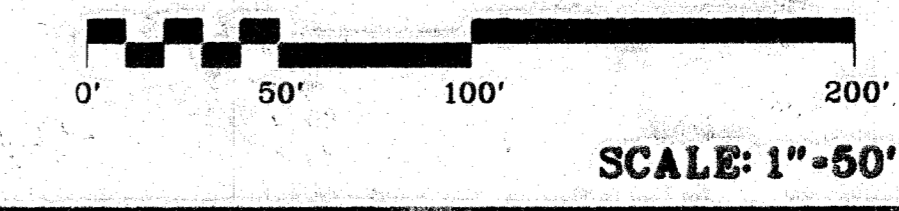
**NEW CONNECTOR ROAD STA 199+96.32 -
JOHNS HILL ROAD STA 402+74.09**

JOHNS HILL ROAD
 P.I. STA. 406+15.31
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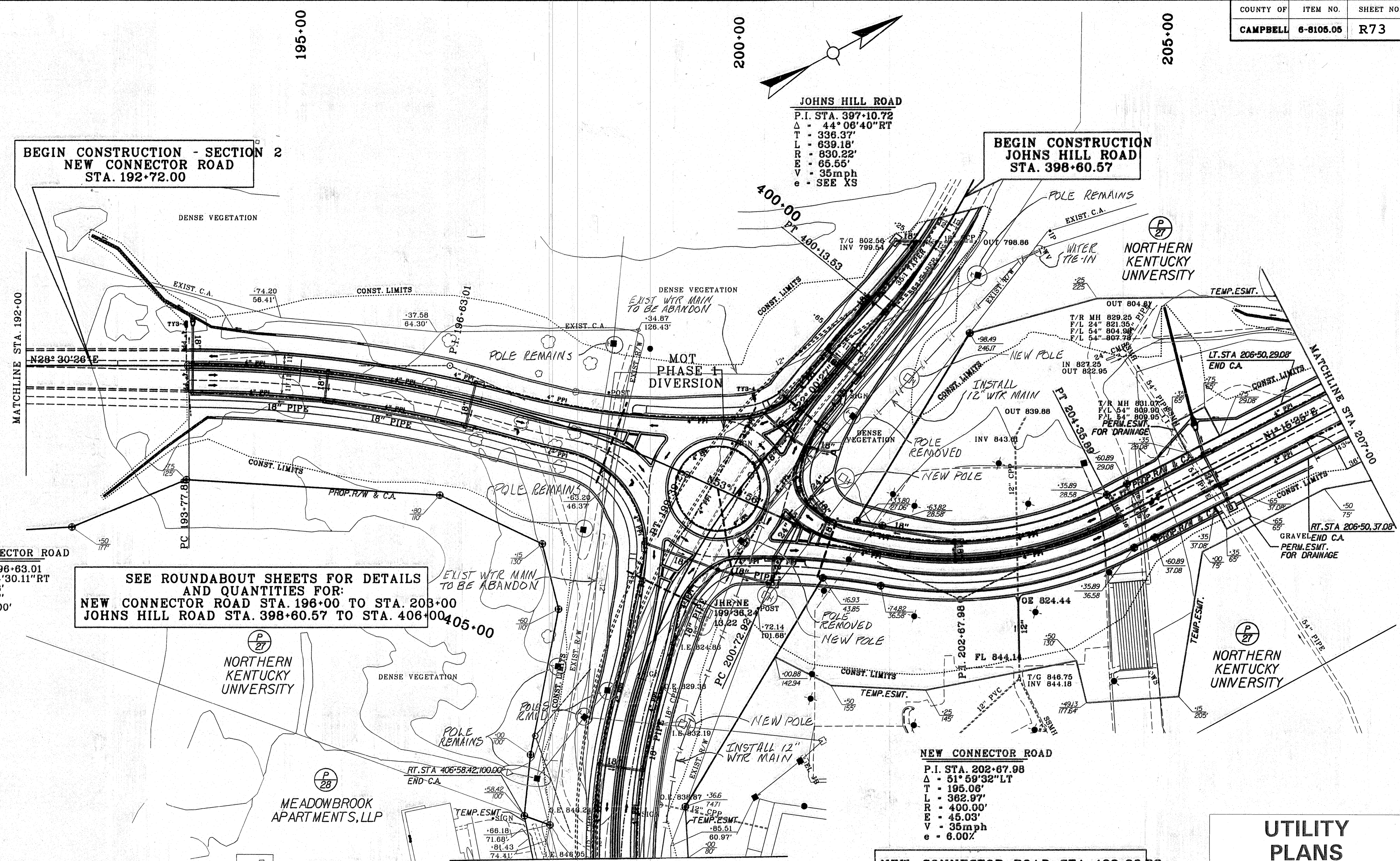
**UTILITY
PLANS**

FOR UTILITY INFORMATION ONLY
SHEET 1 OF 6

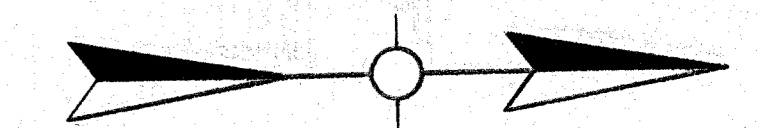
**NEW CONNECTOR ROAD
PLAN SHEET
STA 192+00 - STA 207+00**



FILE NAME:
USER: DATE PLOTTED:
E-SHEET NAME:
MicroStation v8.11.7.443

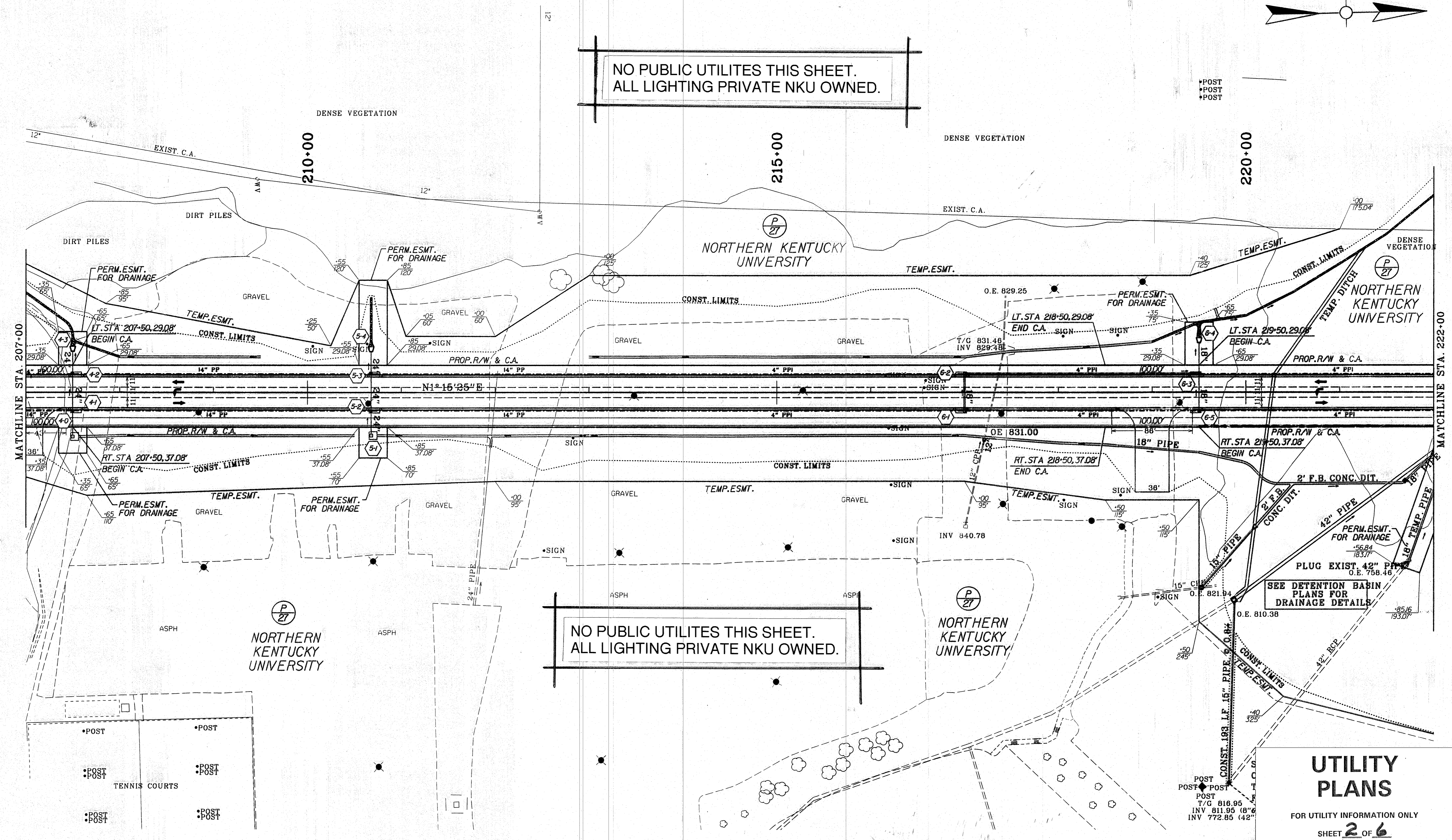


REVISED 12-1-15



NO PUBLIC UTILITES THIS SHEET.
ALL LIGHTING PRIVATE NKU OWNED.

NO PUBLIC UTILITES THIS SHEET.
ALL LIGHTING PRIVATE NKU OWNED.



MATCHLINE STA. 207+00

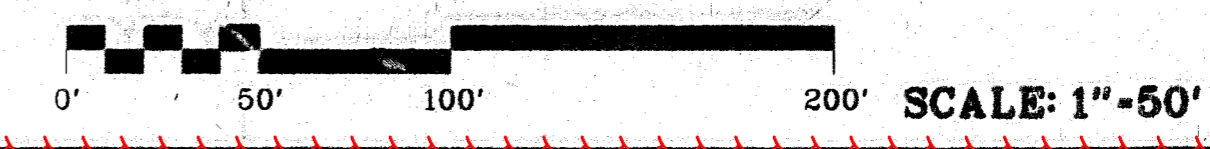
MATCHLINE STA. 222+00

FILE NAME: USER: DATE PLOTTED: MicroStation v8.11.7.443 F. SHEET NAME:

UTILITY PLANS

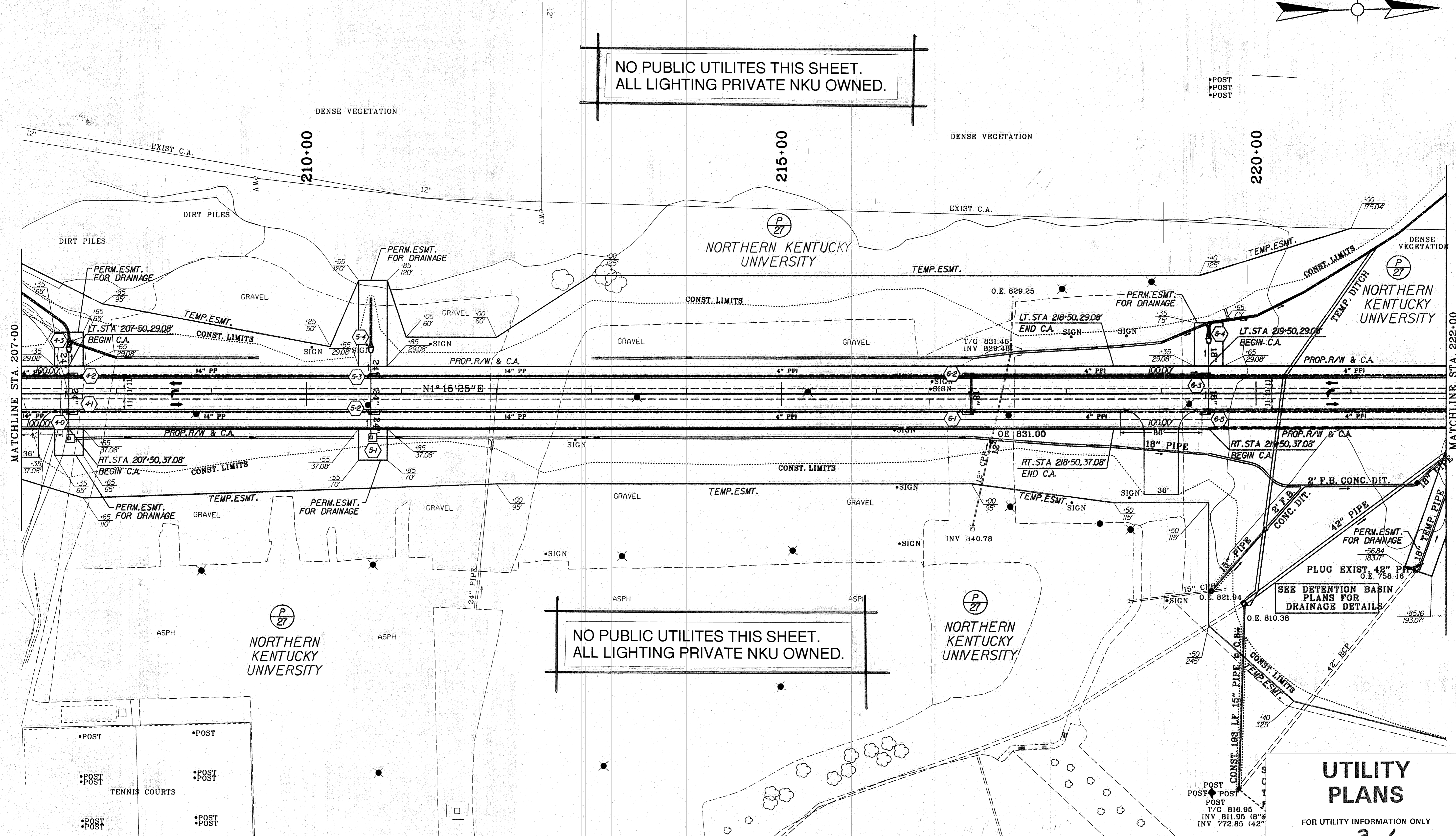
FOR UTILITY INFORMATION ONLY
SHEET 2 OF 6

NEW CONNECTOR ROAD
PLAN SHEET
STA 207+00 - STA 222+00





NO PUBLIC UTILITES THIS SHEET.
ALL LIGHTING PRIVATE NKU OWNED.



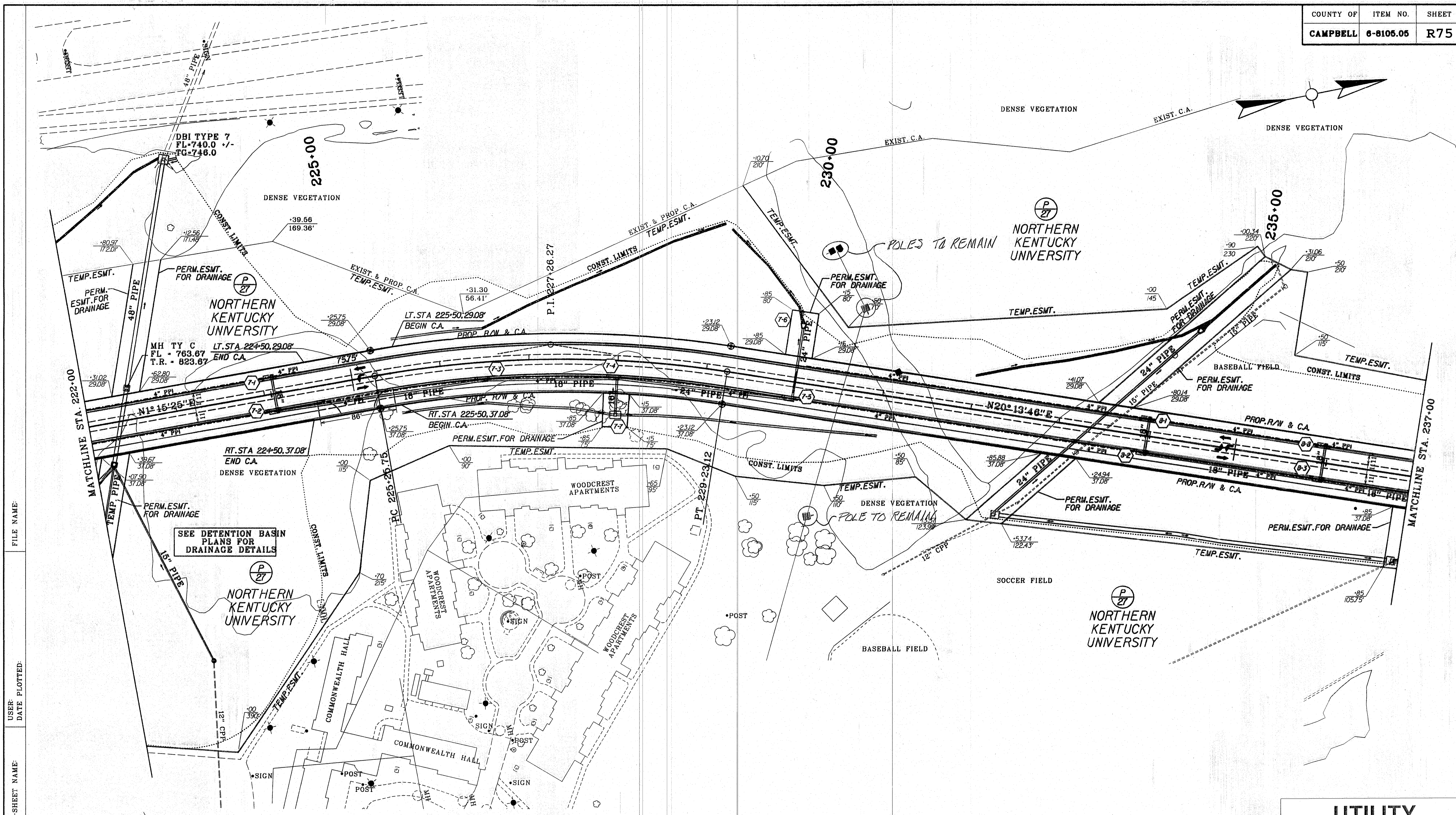
NO PUBLIC UTILITES THIS SHEET.
ALL LIGHTING PRIVATE NKU OWNED.

UTILITY PLANS
FOR UTILITY INFORMATION ONLY
SHEET 2 OF 6

**NEW CONNECTOR ROAD
PLAN SHEET
STA 207+00 - STA 222+00**



MicroStation v8.11.7.443 E-SHEET NAME: FILE NAME: USER: DATE PLOTTED:



FILE NAME: _____
 USER: _____ DATE PLOTTED: _____
 E-SHEET NAME: _____
 MicroStation v8.11.7.443 E-SHEET NAME: _____

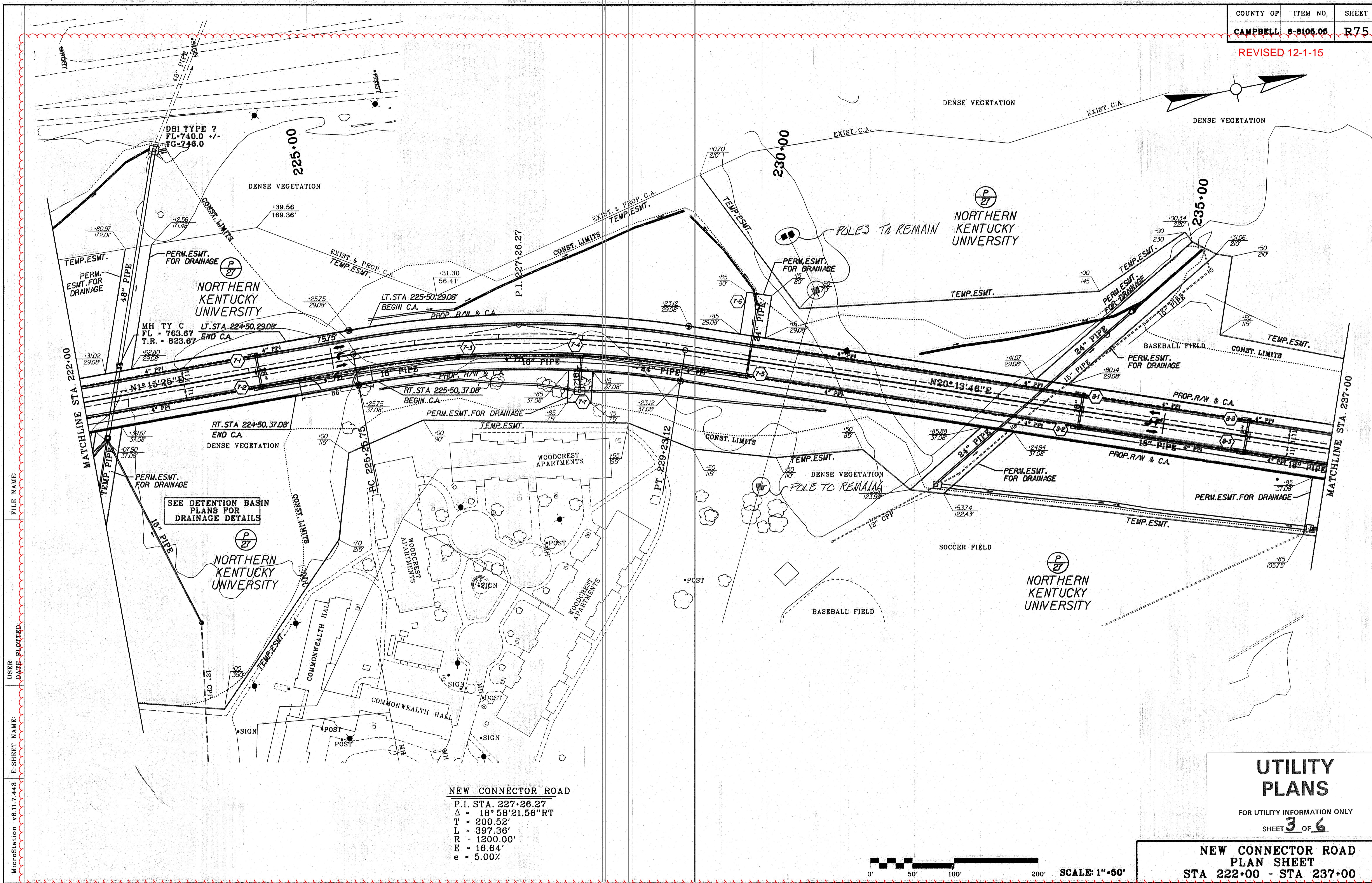
NEW CONNECTOR ROAD
 P.I. STA. 227+26.27
 $\Delta = 18^\circ 58' 21.56''$ RT
 T = 200.52'
 L = 397.36'
 R = 1200.00'
 E = 16.64'
 e = 5.00%

UTILITY PLANS
 FOR UTILITY INFORMATION ONLY
 SHEET **3** OF **6**

**NEW CONNECTOR ROAD
 PLAN SHEET
 STA 222+00 - STA 237+00**



REVISED 12-1-15



FILE NAME: _____
 USER: _____ DATE PLOTTED: _____
 E-SHEET NAME: _____
 MicroStation v8.11.7.443 E-SHEET NAME: _____

SEE DETENTION BASIN PLANS FOR DRAINAGE DETAILS

NEW CONNECTOR ROAD
 P.I. STA. 227+26.27
 $\Delta = 18^\circ 58' 21.56''$ RT
 T = 200.52'
 L = 397.36'
 R = 1200.00'
 E = 16.64'
 e = 5.00%



UTILITY PLANS
 FOR UTILITY INFORMATION ONLY
 SHEET 3 OF 6

NEW CONNECTOR ROAD PLAN SHEET
 STA 222+00 - STA 237+00

BEGIN CONSTRUCTION
GATEWAY ENTRANCE
STA. 43+47.73

END RIGHT OF WAY
STA. 247+14.75

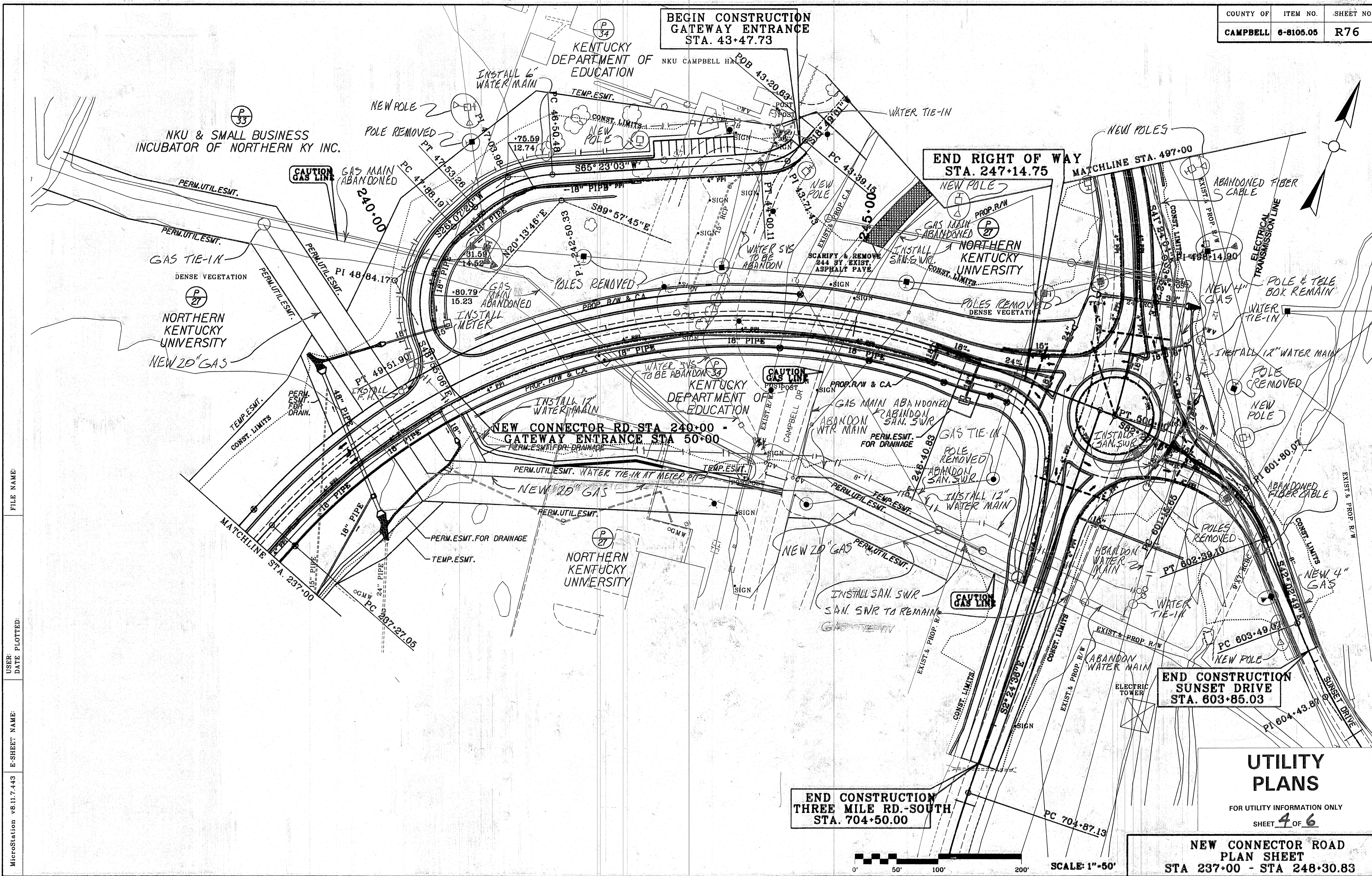
END CONSTRUCTION
SUNSET DRIVE
STA. 603+85.03

END CONSTRUCTION
THREE MILE RD.-SOUTH
STA. 704+50.00

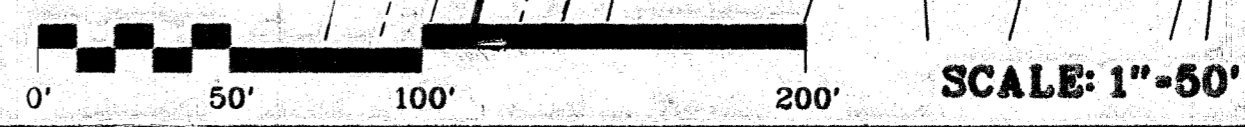
UTILITY PLANS

FOR UTILITY INFORMATION ONLY
 SHEET 4 OF 6

NEW CONNECTOR ROAD
PLAN SHEET
STA 237+00 - STA 248+30.83



FILE NAME: _____
 USER: _____ DATE PLOTTED: _____
 E-SHEET NAME: _____
 MicroStation v8.11.7.443



REVISED 12-1-15

BEGIN CONSTRUCTION
GATEWAY ENTRANCE
STA. 43+47.73

END RIGHT OF WAY
STA. 247+14.75

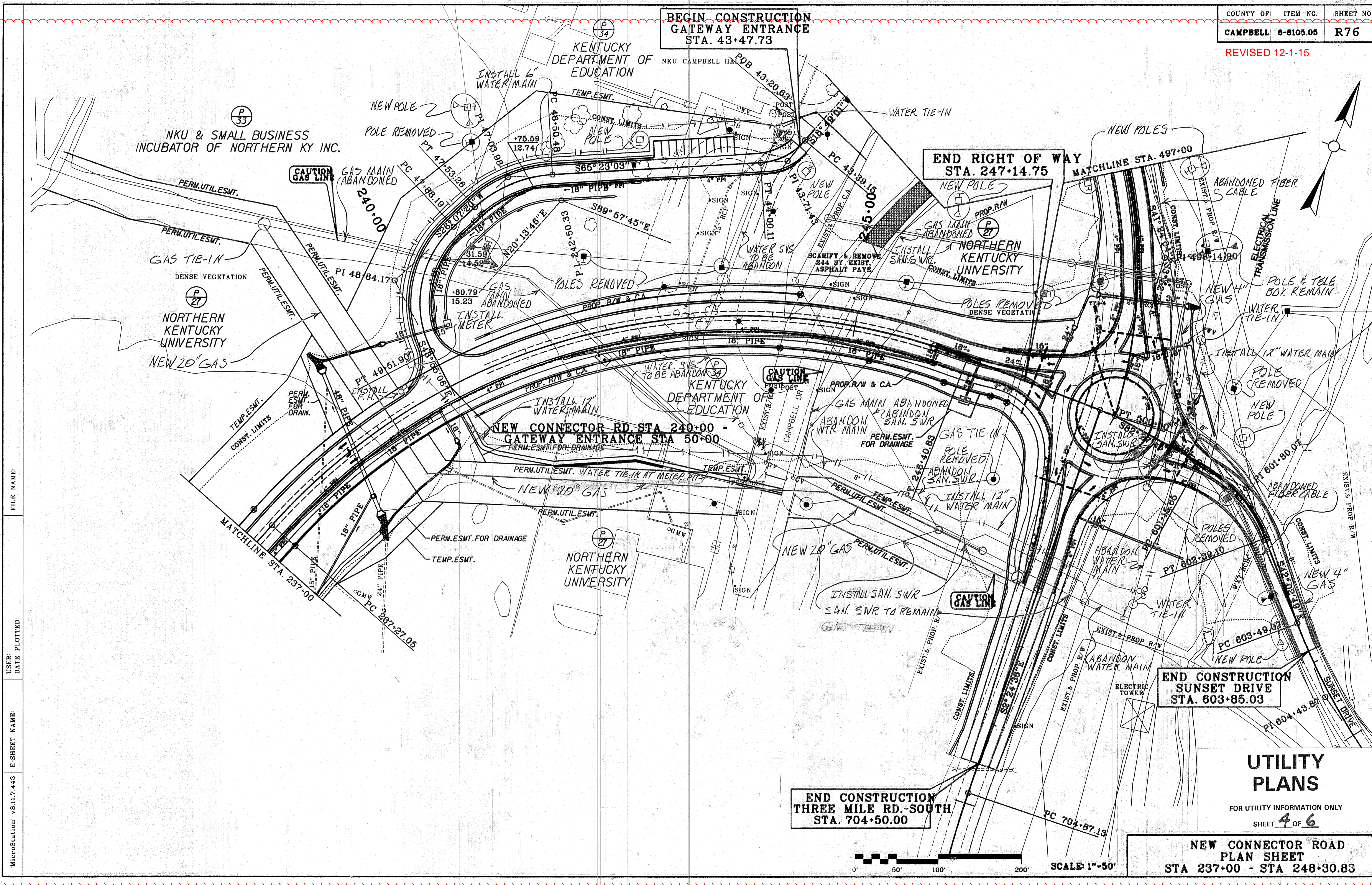
END CONSTRUCTION
SUNSET DRIVE
STA. 603+85.03

END CONSTRUCTION
THREE MILE RD.-SOUTH
STA. 704+50.00

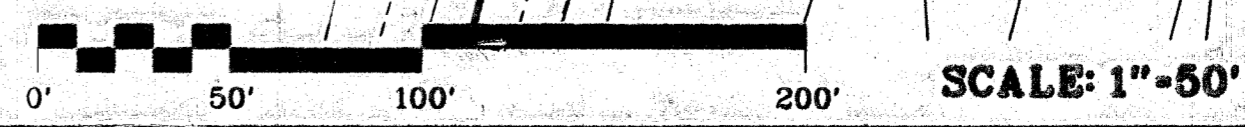
UTILITY PLANS

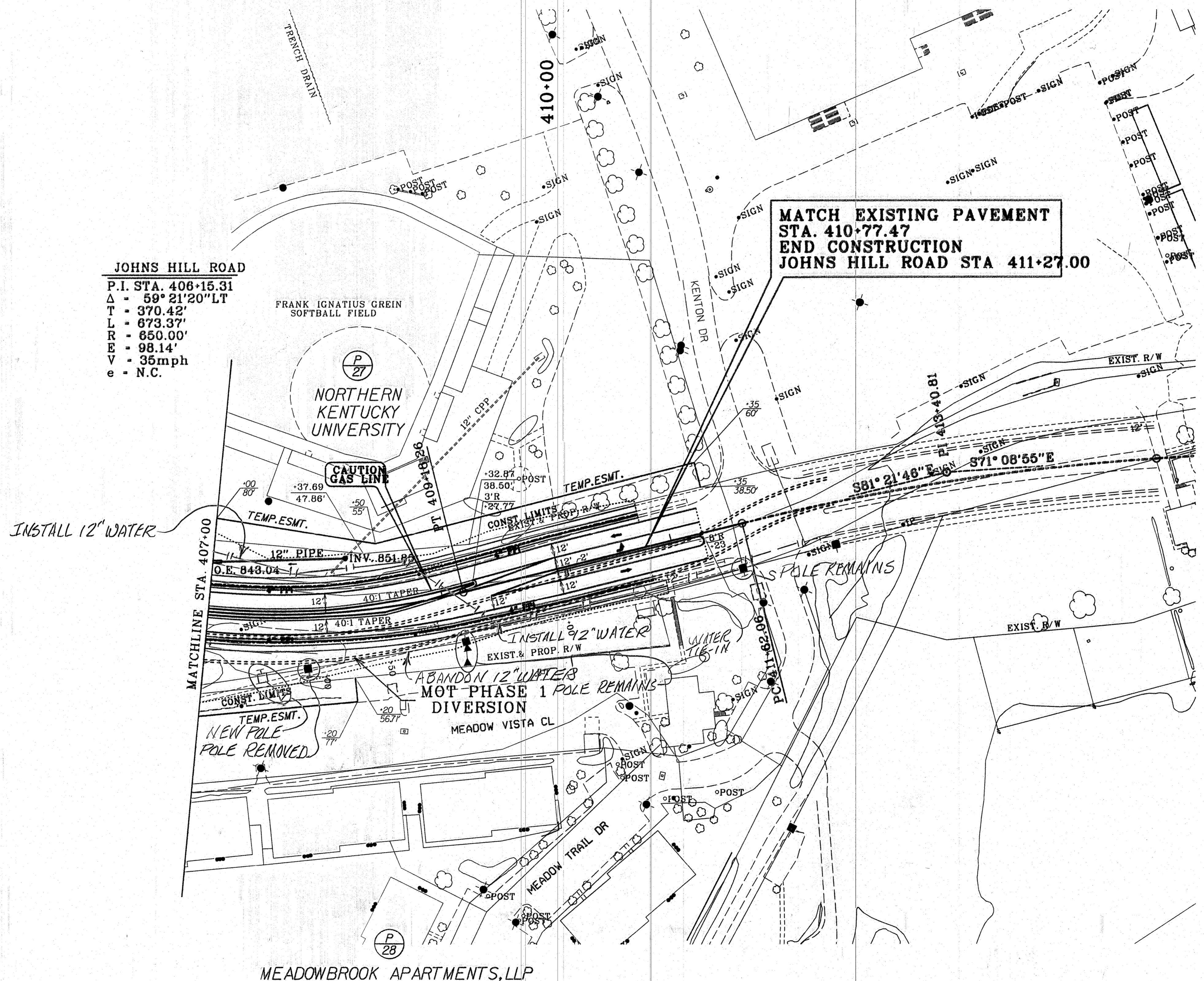
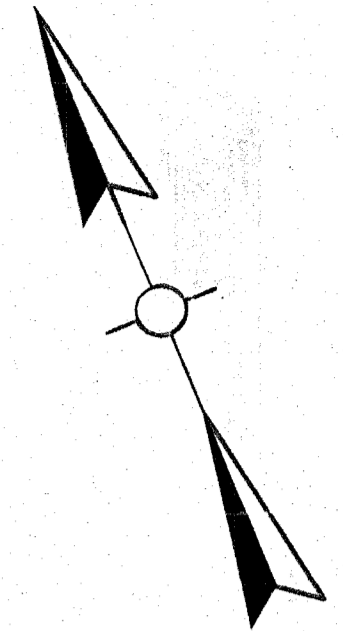
FOR UTILITY INFORMATION ONLY
 SHEET 4 OF 6

NEW CONNECTOR ROAD
PLAN SHEET
STA 237+00 - STA 248+30.83



FILE NAME:
 USER: DATE PLOTTED:
 E-SHEET NAME:
 MicroStation v8.11.7.443





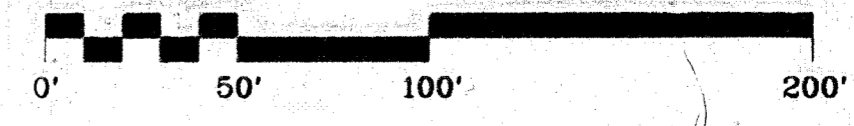
JOHNS HILL ROAD
P.I. STA. 406+15.31
 Δ - $59^{\circ}21'20''$ LT
T - 370.42'
L - 673.37'
R - 650.00'
E - 98.14'
V - 35mph
e - N.C.

MATCH EXISTING PAVEMENT
STA. 410+77.47
END CONSTRUCTION
JOHNS HILL ROAD STA 411+27.00

INSTALL 12" WATER

INSTALL 42" WATER
ABANDON 12" WATER
MOT PHASE 1 POLE REMAINS
DIVERSION

NEW POLE
POLE REMOVED



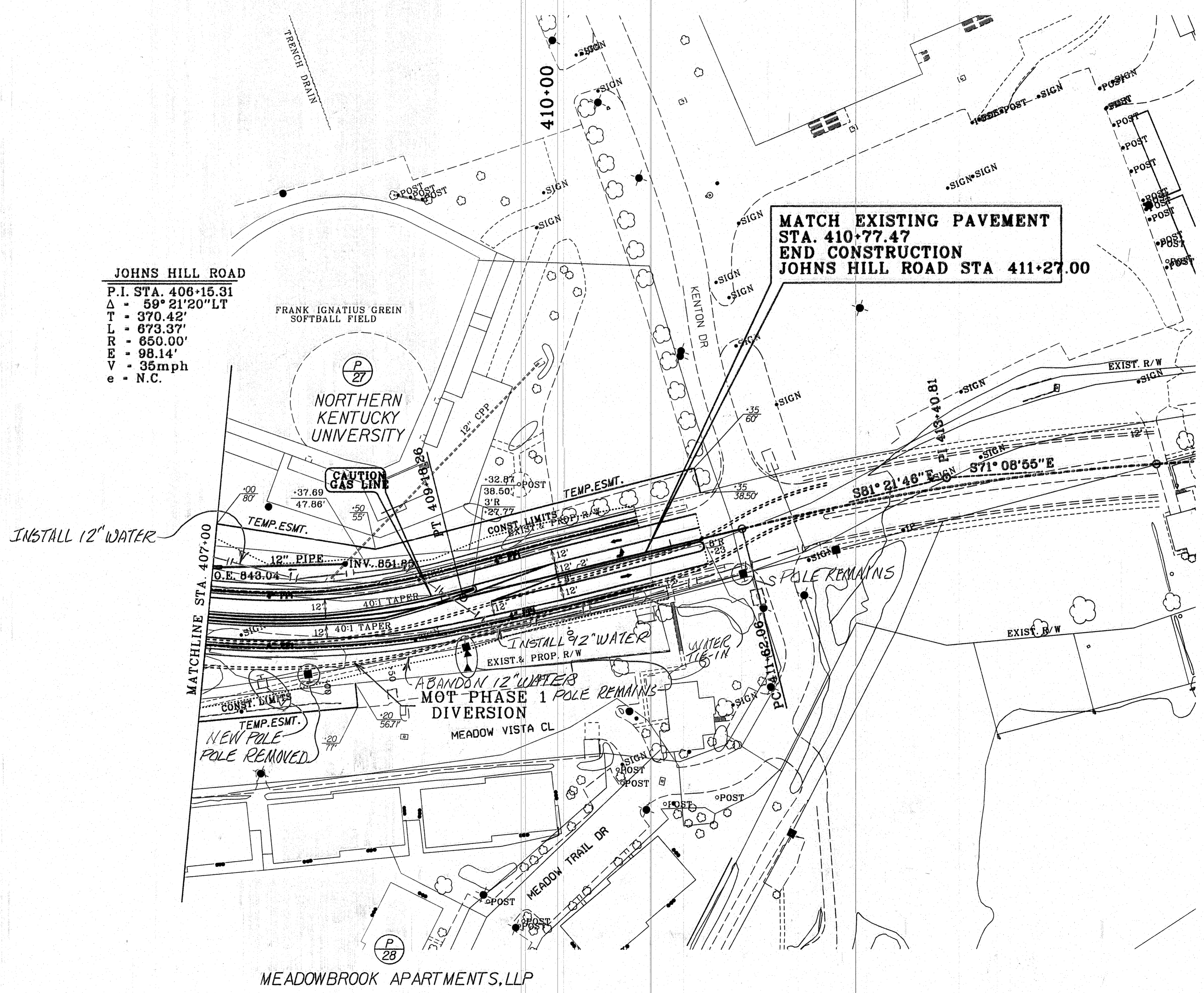
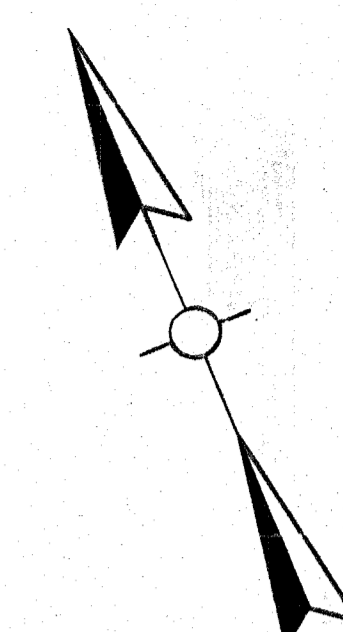
SCALE: 1"=50'

UTILITY PLANS
FOR UTILITY INFORMATION ONLY
SHEET 5 OF 6

**JOHNS HILL ROAD
PLAN SHEET
STA 407+00 - STA 411+27**

FILE NAME:
USER: DATE PLOTTED:
E-SHEET NAME:
MicroStation v8.11.7.443

REVISED 12-1-15

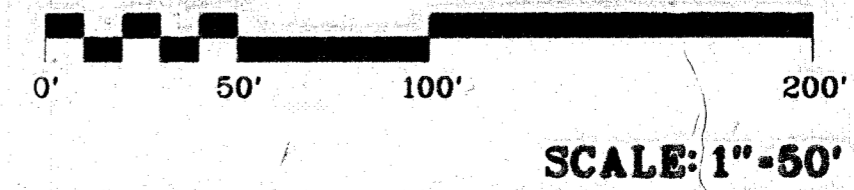


JOHNS HILL ROAD
P.I. STA. 406+15.31
 $\Delta = 59^{\circ} 21' 20''$ LT
T = 370.42'
L = 673.37'
R = 650.00'
E = 98.14'
V = 35mph
e = N.C.

MATCH EXISTING PAVEMENT
STA. 410+77.47
END CONSTRUCTION
JOHNS HILL ROAD STA 411+27.00

FILE NAME:
USER: DATE PLOTTED:
E-SHEET NAME:
MicroStation v8.11.7.443

UTILITY PLANS
FOR UTILITY INFORMATION ONLY
SHEET **5** OF **6**



JOHNS HILL ROAD
PLAN SHEET
STA 407+00 - STA 411+27

REVISED 12-1-15

THREE MILE ROAD STA. 496+00.00
 END 1.25" OVERLAY AND
 FULL-DEPTH PAVEMENT WIDENING
 BEGIN FULL-DEPTH PAVEMENT

THREE MILE ROAD STA. 489+20.00
 END 1.25" MILL & OVERLAY
 BEGIN 1.25" OVERLAY AND
 FULL-DEPTH PAVEMENT WIDENING

BEGIN CONSTRUCTION
 THREE MILE ROAD
 STA. 485+84.00
 BEGIN 1.25" MILL &
 OVERLAY

BEGIN CONSTRUCTION
 I-275 RAMP 'B'
 STA. 20+20.00

SEE RAMP DETAIL SHEET
 FOR MORE INFORMATION

THREE MILE ROAD - NORTH
 P.I. STA. 498+14.90
 Δ - 37° 31' 35" RT
 T - 199.46'
 L - 384.56'
 R - 587.16'
 E - 32.96'
 e - SEE XS

I-275 RAMP 'B'
 P.I. STA. 21+59.73
 Δ - 79° 25' 54" RT
 T - 124.60'
 L - 207.95'
 R - 150.00'
 E - 45.00'
 Vd - 20mph

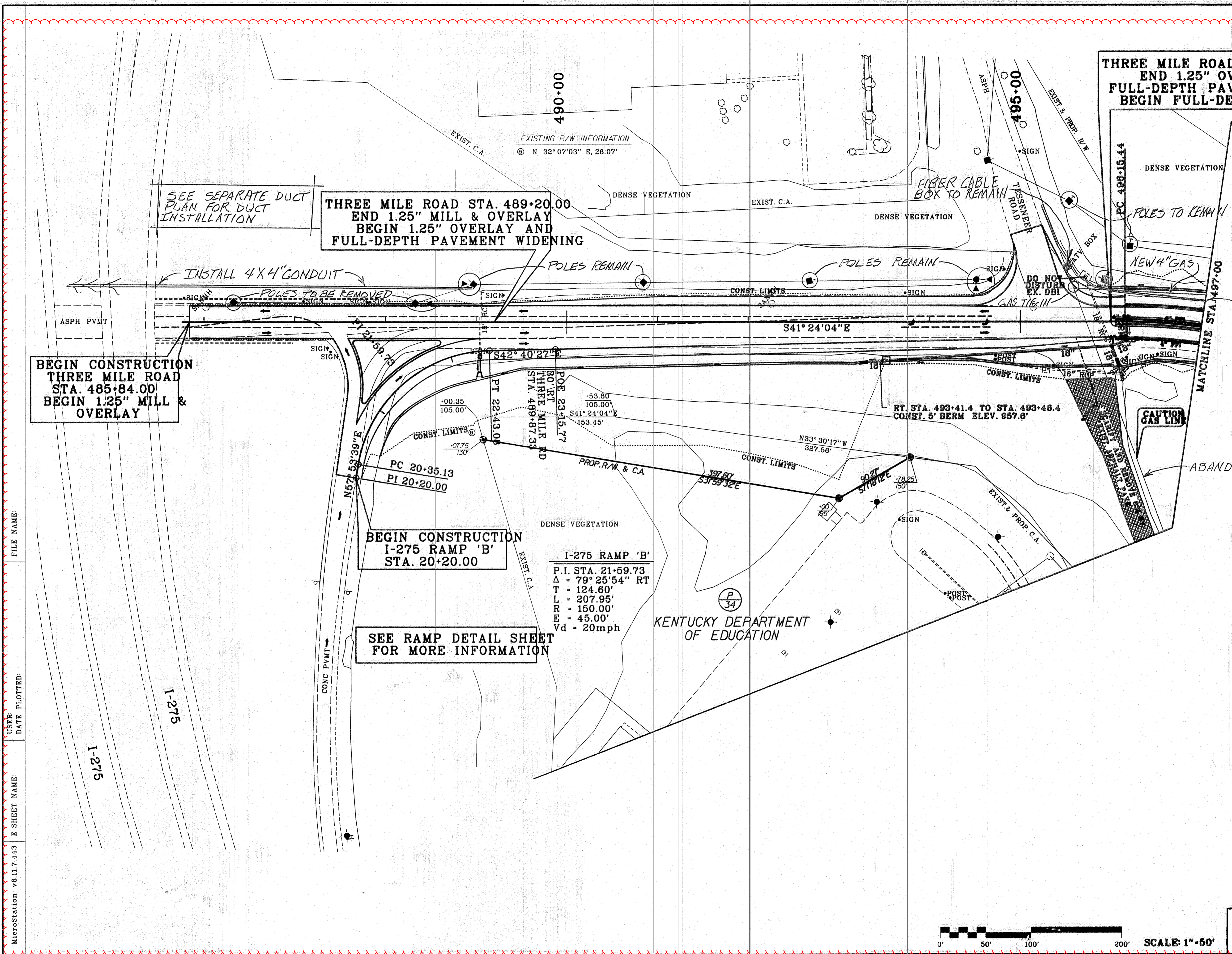
UTILITY PLANS

FOR UTILITY INFORMATION ONLY
 SHEET 6 OF 6

THREE MILE ROAD - NORTH
 PLAN SHEET
 STA 485+84 - STA 497+00



FILE NAME: _____
 USER: _____ DATE PLOTTED: _____
 E-SHEET NAME: _____
 MicroStation v8.11.7.443



THREE MILE ROAD STA. 496+00.00
 END 1.25" OVERLAY AND
 FULL-DEPTH PAVEMENT WIDENING
 BEGIN FULL-DEPTH PAVEMENT

THREE MILE ROAD STA. 489+20.00
 END 1.25" MILL & OVERLAY
 BEGIN 1.25" OVERLAY AND
 FULL-DEPTH PAVEMENT WIDENING

BEGIN CONSTRUCTION
 THREE MILE ROAD
 STA. 485+84.00
 BEGIN 1.25" MILL &
 OVERLAY

BEGIN CONSTRUCTION
 I-275 RAMP 'B'
 STA. 20+20.00

SEE RAMP DETAIL SHEET
 FOR MORE INFORMATION

I-275 RAMP 'B'
 P.I. STA. 21+59.73
 $\Delta = 79^\circ 25' 54''$ RT
 T = 124.60'
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THREE MILE ROAD - NORTH
 P.I. STA. 498+14.90
 $\Delta = 37^\circ 31' 35''$ RT
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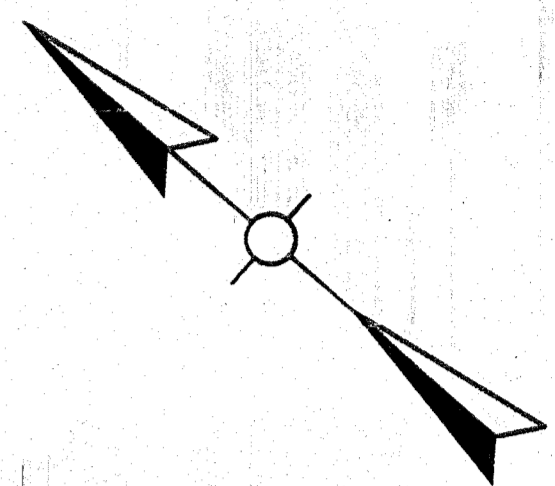
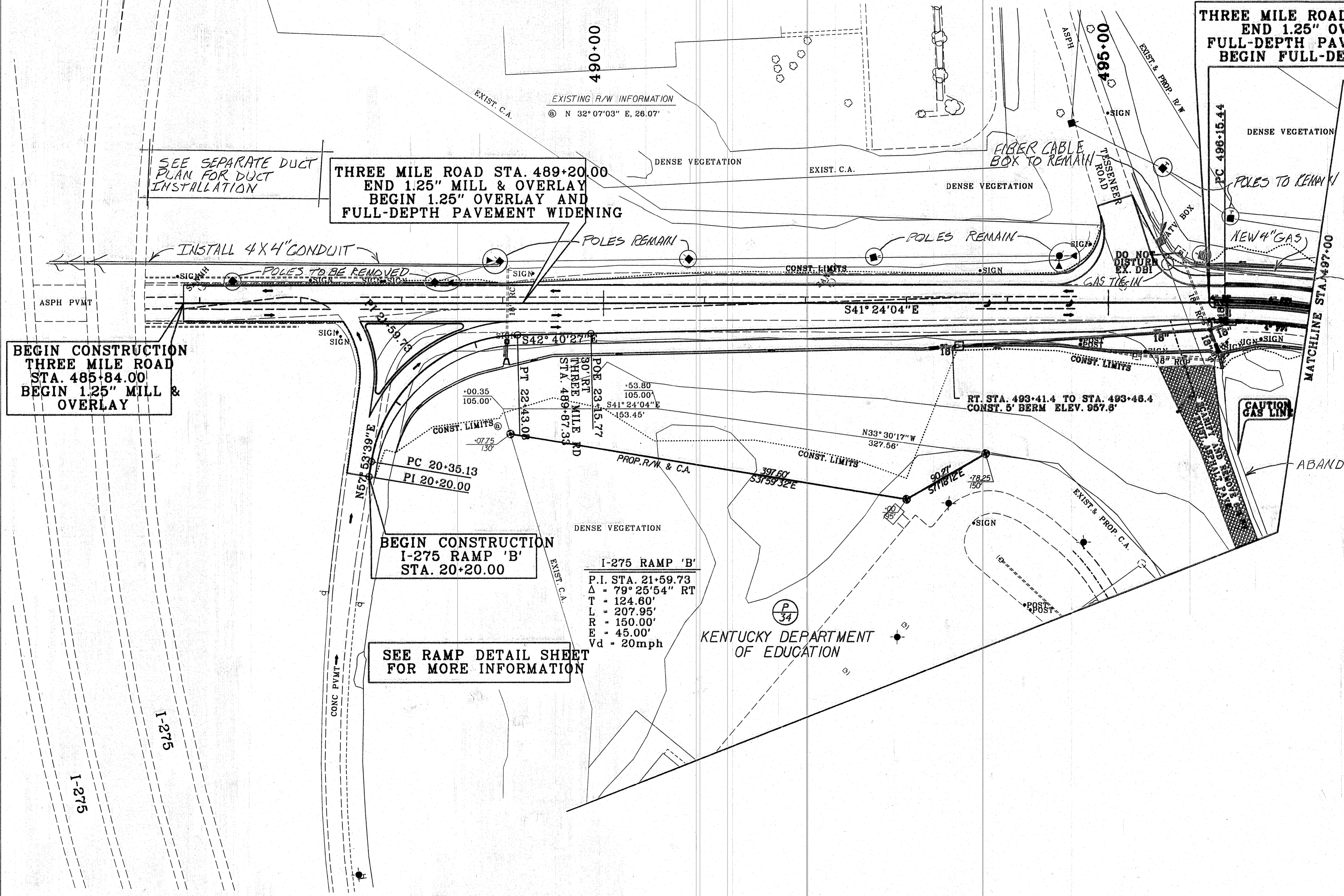
UTILITY PLANS

FOR UTILITY INFORMATION ONLY
 SHEET 6 OF 6

THREE MILE ROAD - NORTH
 PLAN SHEET
 STA 485+84 - STA 497+00



FILE NAME: _____
 USER: _____ DATE PLOTTED: _____
 E-SHEET NAME: _____
 MicroStation v8.11.7.443



UTILITIES AND RAIL CERTIFICATION NOTE

**CAMPBELL COUNTY
00HPP 00155 005
FD52 019 76970 01U
JOHNS HILL ROAD TO THREE MILE ROAD CONNECTOR
ITEM NO. 06-8105.05**

GENERAL PROJECT NOTE ON UTILITY PROTECTION

Utility coordination efforts determined that there is significant utility relocation work required to complete the project. The information provided in this Utilities and Rail Certification Note may not be exact or complete and is provided for the contractor's use in planning the execution of the work. It shall be the road contractor's responsibility to verify the completeness and/or accuracy of all such information being furnished.

Flowable Fill Requirement

The road contractor MUST use flowable fill as the backfill media any place utility facilities cross under existing or proposed roadway surfaces unless concrete encasement is called for per plan. Compacted earth or flowable fill shall be used in all other ditches within the project limits. It should also be noted that the cost of the flowable fill shall be incidental to the cost of the utility line being installed.

Maintenance of Utility Services

All existing utility facilities are to be maintained throughout road construction. Temporary utility services to maintain service are to be provided and paid for by the road contractor as incidental to road construction. No additional compensation will be paid the contractor for temporary work and materials to maintain existing utility services. No unauthorized discharge of sewage due to the road contractor's work will be allowed.

Damage to Utilities

Any intentional or accidental disruption of service due to damage to any utility service mains caused by any of the contractor's operations without three days advance notice to the utility owner shall be cause for the Cabinet to charge liquidated damages in the amount of five thousand dollars per day (\$5,000/day) per occurrence against the contractor until such time as the utility service is restored.

Any intentional or accidental disruption of any individual utility service caused by any of the contractor's operations without three days advance notice to the utility owner shall be cause for the Cabinet to charge liquidated damages in the amount of five hundred dollars per day (\$500/day) per occurrence against the contractor until such time as service is restored.

Liquidated damages shall not be charged in addition for service disruptions when a main disruption is involved.

Abandoned Utilities

The contractor shall safeload the entire length of all abandoned pipes 6 inches in diameter and larger under proposed pavement and under any existing pavement that is to remain. The contractor shall safeload the entire length of all abandoned pipes 15 inches and larger which will be located outside of

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proposed pavement but within project limits. Appropriate bid items have been included in the road contract. The safeloading criteria above shall be observed unless otherwise directed by the Resident Engineer or his representative.

External Utility Permits

The Kentucky Division of Water permits for water relocation and sanitary sewer work were not available before letting. These items will be distributed at the preconstruction meeting.

Utility Phasing

The contractor should be aware that some phases of the road construction will need to be completed first to accommodate the relocation of utilities and that some utilities will need to be relocated first to accommodate the relocation of others. The contractor should review the plans and draw his own conclusions as to the phasing of the road work and of various utilities. The contractor should pay close attention to the proximity of construction of new facilities when working in the vicinity of existing water mains and sanitary sewers to prevent blow-outs.

NOTE: DO NOT DISTURB THE FOLLOWING UTILITIES LOCATED WITHIN THE PROJECT DISTURB LIMITS

Northern Kentucky University, Northern Kentucky Water District, Duke Energy Electric, Duke Energy Gas, Cincinnati Bell Telephone, Level 3 Communications, Windstream Communications, Zayo, and Time Warner Cable have facilities that require relocation. Please see the notes below pertaining to their relocations.

Sanitation District No. 1 has facilities parallel to the east side of Three Mile Road just outside project limits. These SD1 facilities are not known to be in conflict with road construction.

The Contractor is fully responsible for protection of all utilities listed above

THE FOLLOWING COMPANIES ARE RELOCATING/ADJUSTING THEIR UTILITIES WITHIN THE PROJECT LIMITS AND WILL BE COMPLETE PRIOR TO CONSTRUCTION

None of the above listed utility owners are expected to have completed their relocation before road construction. The road contractor will be expected to coordinate work with these utility owners or complete utility relocation as a part of the road contract as detailed below.

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THE FOLLOWING COMPANIES HAVE FACILITIES TO BE RELOCATED/ADJUSTED BY THE COMPANY OR THE COMPANY'S SUBCONTRACTOR AND IS TO BE COORDINATED WITH THE ROAD CONTRACT

Duke Energy Electric, Cincinnati Bell Telephone, Zayo, Level 3 Communications, Windstream Communications, Time Warner Cable, and Duke Energy Gas have overhead and underground facilities to relocate. Relocation of these utilities should be completed by the utility companies by May 1, 2016.

The road contractor should be aware that the abandoned Duke Energy gas transmission main near the Three Mile Road end of the project may be present in the excavation for the roadway. The road contractor will be expected to remove some or all of the abandoned pipe necessary to complete roadway excavation. The removed gas pipe shall become the property of the road contractor for disposal. No additional compensation will be paid to the road contractor for removal and disposal of the gas pipe and shall be considered incidental to road construction.

The Department will consider submission of a bid as the Contractor's agreement to not make any claims for additional compensation due to delays or other conditions created by the operations of Duke Energy Electric, Cincinnati Bell Telephone, Level 3 Communications, Zayo, and Windstream Communications, Time Warner Cable and Duke Energy Gas. Working days will not be charged for those days on which work on Duke Energy Electric, Cincinnati Bell Telephone, Level 3 Communications, Zayo, Windstream Communications, Time Warner Cable, and Duke Energy Gas facilities is delayed, as provided in the current edition of the KY Standard Specifications for Road and Bridge Construction. Should a difference of opinion arise as to the rights of the Contractor and others working within the limits of, or adjacent to the project, the KYTC Section Engineer will decide as to the respective rights of the various parties involved in order to assure the completion of the Department's work in general harmony and in a satisfactory manner, and his decision shall be final and binding upon the Contractor.

THE FOLLOWING COMPANIES HAVE FACILITIES TO BE RELOCATED/ADJUSTED BY THE ROAD CONTRACTOR AS INCLUDED IN THIS CONTRACT

NORTHERN KENTUCKY WATER DISTRICT AND NORTHERN KENTUCKY UNIVERSITY WATER AND SEWER FACILITIES are to be relocated by the road contractor as shown on the plan sets included in the roadway plans with specifications inserted in the project proposal.

Any alignment changes to proposed water or sanitary sewer facilities to accommodate unforeseen field conditions are possible. However, it is the responsibility of the roadway contractor to

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communicate any proposed alignment changes to the utility owner inspectors and the KYTC Section Engineer or their designated representatives prior to actually modifying the proposed alignment.

CINCINNATI BELL AND ZAYO have overhead cables that require relocation along the east side of Three Mile Road in the area of the I-275 overpass. These cables are to be relocated to underground duct that is to be installed by the road contractor as a part of this road contract. The duct work to be installed and the overhead cables and poles that are to be removed are along the east side of Three Mile Road from approximately 200 feet north of the I-275 overpass to approximately 350 feet south of the I-275 overpass (left of Three Mile Road station 489+00). This duct installation should likely be constructed by the road contractor early in the road construction to allow the companies enough time to relocate their facilities to the duct and avoid delaying road work. Plans and quantities are included in the road contract for this work. Once the contractor has completed installation of the duct, Cincinnati Bell and Zayo will install and splice their cable, and remove the existing cable and poles. It is expected that installation of the cable, splicing, and removal of the old cable and poles will take approximately 60 calendar days to complete once the companies are notified the duct is ready for use. The contractor should give Cincinnati Bell and Zayo advance notice of duct installation so work can be coordinated and delays avoided. |

THE FOLLOWING RAIL COMPANIES HAVE FACILITIES IN CONJUNCTION WITH THIS PROJECT AS NOTED

- No Rail Involved** **Minimal Rail Involved (See Below)** **Rail Involved (See Below)**

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SPECIAL CAUTION NOTE – PROTECTION OF UTILITIES

The contractor will be responsible for contacting all utility facility owners on the subject project to coordinate his activities. The contractor will coordinate his activities to minimize and, where possible, avoid conflicts with utility facilities. Due to the nature of the work proposed, it is unlikely to conflict with the existing utilities beyond minor facility adjustments. Where conflicts with utility facilities are unavoidable, the contractor will coordinate any necessary relocation work with the facility owner and Resident Engineer. The Kentucky Transportation Cabinet maintains the right to remove or alter portions of this contract if a utility conflict occurs.

The utility facilities as noted in the previous section(s) have been determined using data garnered by varied means and with varying degrees of accuracy: from the facility owners, a result of S.U.E., field inspections, and/or reviews of record drawings. The facilities defined may not be inclusive of all utilities in the project scope and are not Level A quality, unless specified as such. It is the contractor's responsibility to verify all utilities and their respective locations before excavating.

BEFORE YOU DIG

The contractor is instructed to call 1-800-752-6007 to reach KY 811, the one-call system for information on the location of existing underground utilities. The call is to be placed a minimum of two (2) and no more than ten (10) business days prior to excavation. The contractor should be aware that owners of underground facilities are not required to be members of the KY 811 one-call Before-U-Dig (BUD) service. The contractor must coordinate excavation with the utility owners, including those whom do not subscribe to KY 811. It may be necessary for the contractor to contact the County Court Clerk to determine what utility companies have facilities in the area.

Please Note: The information presented in this Utility Note is informational in nature and the information contained herein is not guaranteed.

AREA UTILITIES CONTACT LIST

Utility Company/Agency

Contact Name

Contact Information

UTILITY CONTACT INFORMATION WILL BE PROVIDED AT THE PRECONSTRUCTION
CONFERENCE.

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Section: 0001 - PAVING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00001		DGA BASE	14,985.00	TON		\$	
0020	00013		LIME STABILIZED ROADBED	22,223.00	SQYD		\$	
0030	00014		LIME	438.00	TON		\$	
0040	00018		DRAINAGE BLANKET-TYPE II-ASPH	8,078.00	TON		\$	
0050	00100		ASPHALT SEAL AGGREGATE	14.70	TON		\$	
0060	00103		ASPHALT SEAL COAT	1.76	TON		\$	
0070	00190		LEVELING & WEDGING PG64-22	284.00	TON		\$	
0080	00221		CL2 ASPH BASE 0.75D PG64-22	13,063.00	TON		\$	
0090	00307		CL2 ASPH SURF 0.38B PG64-22	2,921.00	TON		\$	
0100	00358		ASPHALT CURING SEAL	23.00	TON		\$	
0110	02070		JPC PAVEMENT-12 IN	546.00	SQYD		\$	
0120	02101		CEM CONC ENT PAVEMENT-8 IN	535.00	SQYD		\$	
0130	02676		MOBILIZATION FOR MILL & TEXT	1.00	LS		\$	
0140	02677		ASPHALT PAVE MILLING & TEXTURING	96.00	TON		\$	
0150	02702		SAND FOR BLOTTER	56.00	TON		\$	
0160	23379EC		STAMPED CONCRETE	546.00	SQYD		\$	

Section: 0002 - ROADWAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0170	00078		CRUSHED AGGREGATE SIZE NO 2	36,550.00	TON		\$	
0180	01000		PERFORATED PIPE-4 IN	16,951.00	LF		\$	
0190	01001		PERFORATED PIPE-6 IN	936.00	LF		\$	
0200	01010		NON-PERFORATED PIPE-4 IN	275.00	LF		\$	
0210	01011		NON-PERFORATED PIPE-6 IN	60.00	LF		\$	
0220	01015		INSPECT & CERTIFY EDGE DRAIN SYSTEM	1.00	LS		\$	
0230	01020		PERF PIPE HEADWALL TY 1-4 IN	5.00	EACH		\$	
0240	01021		PERF PIPE HEADWALL TY 1-6 IN	1.00	EACH		\$	
0250	01028		PERF PIPE HEADWALL TY 3-4 IN	3.00	EACH		\$	
0260	01033		PERF PIPE HEADWALL TY 4-6 IN	2.00	EACH		\$	
0270	01310		REMOVE PIPE	1,090.00	LF		\$	
0280	01810		STANDARD CURB AND GUTTER	15,289.00	LF		\$	
0290	01825		ISLAND CURB AND GUTTER	5,329.00	LF		\$	
0300	01830		STANDARD INTEGRAL CURB	667.00	LF		\$	
0310	01875		STANDARD HEADER CURB	220.00	LF		\$	
0320	01891		ISLAND HEADER CURB TYPE 2	282.00	LF		\$	
0330	01937		MOUNTABLE MEDIAN TYPE 2	35.00	SQYD		\$	
0340	01982		DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL WHITE	32.00	EACH		\$	
0350	02014		BARRICADE-TYPE III	10.00	EACH		\$	
0360	02084		JPC PAVEMENT-8 IN	87.00	SQYD		\$	
0370	02091		REMOVE PAVEMENT	875.00	SQYD		\$	
0380	02157		PAVED DITCH TYPE 1	170.00	SQYD		\$	
0390	02159		TEMP DITCH	20,060.00	LF		\$	
0400	02200		ROADWAY EXCAVATION	516,665.00	CUYD		\$	
0410	02223		GRANULAR EMBANKMENT	2,780.00	CUYD		\$	
0420	02242		WATER	2,000.00	MGAL		\$	

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0430	02262		FENCE-WOVEN WIRE TYPE 1	488.00	LF		\$	
0440	02268		REMOVE & REPLACE FENCE	1,135.00	LF		\$	
0450	02274		FENCE-6 FT CHAIN LINK	133.00	LF		\$	
0460	02351		GUARDRAIL-STEEL W BEAM-S FACE	1,337.50	LF		\$	
0470	02360		GUARDRAIL TERMINAL SECTION NO 1	2.00	EACH		\$	
0480	02363		GUARDRAIL CONNECTOR TO BRIDGE END TY A	2.00	EACH		\$	
0490	02367		GUARDRAIL END TREATMENT TYPE 1	1.00	EACH		\$	
0500	02369		GUARDRAIL END TREATMENT TYPE 2A	2.00	EACH		\$	
0510	02381		REMOVE GUARDRAIL	1,455.00	LF		\$	
0520	02429		RIGHT-OF-WAY MONUMENT TYPE 1	34.00	EACH		\$	
0530	02432		WITNESS POST	34.00	EACH		\$	
0540	02483		CHANNEL LINING CLASS II	1,578.00	TON		\$	
0550	02484		CHANNEL LINING CLASS III	903.00	TON		\$	
0560	02545		CLEARING AND GRUBBING 56 ACRES	1.00	LS		\$	
0570	02551		CONCRETE-CLASS A FOR STEPS	13.10	CUYD		\$	
0580	02585		EDGE KEY	224.00	LF		\$	
0590	02596		FABRIC-GEOTEXTILE TYPE I	150.00	SQYD		\$	
0600	02599		FABRIC-GEOTEXTILE TYPE IV	62,110.00	SQYD		\$	
0610	02600		FABRIC GEOTEXTILE TY IV FOR PIPE	27,372.00	SQYD	\$2.00	\$	\$54,744.00
0620	02611		HANDRAIL-TYPE A-1	1,856.00	LF		\$	
0630	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0640	02651		DIVERSIONS (BY-PASS DETOURS)	1.00	LS		\$	
0650	02671		PORTABLE CHANGEABLE MESSAGE SIGN	6.00	EACH		\$	
0660	02673		PRECAST VEHICLE STOP	175.00	LF		\$	
0670	02690		SAFELOADING	19.00	CUYD		\$	
0680	02701		TEMP SILT FENCE	20,060.00	LF		\$	
0690	02703		SILT TRAP TYPE A	10.00	EACH		\$	
0700	02704		SILT TRAP TYPE B	46.00	EACH		\$	
0710	02705		SILT TRAP TYPE C	8.00	EACH		\$	
0720	02706		CLEAN SILT TRAP TYPE A	20.00	EACH		\$	
0730	02707		CLEAN SILT TRAP TYPE B	92.00	EACH		\$	
0740	02708		CLEAN SILT TRAP TYPE C	16.00	EACH		\$	
0750	02720		SIDEWALK-4 IN CONCRETE	6,831.00	SQYD		\$	
0760	02726		STAKING	1.00	LS		\$	
0770	02731		REMOVE STRUCTURE	1.00	LS		\$	
0780	03385		PVC PIPE-6 IN	1,430.00	LF		\$	
0790	05950		EROSION CONTROL BLANKET	6,039.00	SQYD		\$	
0800	05952		TEMP MULCH	239,800.00	SQYD		\$	
0810	05953		TEMP SEEDING AND PROTECTION	239,800.00	SQYD		\$	
0820	05963		INITIAL FERTILIZER	11.40	TON		\$	
0830	05964		20-10-10 FERTILIZER	11.40	TON		\$	
0840	05985		SEEDING AND PROTECTION	195,224.00	SQYD		\$	
0850	05989		SPECIAL SEEDING CROWN VETCH	44,591.00	SQYD		\$	
0860	05990		SODDING	18,336.00	SQYD		\$	
0870	05992		AGRICULTURAL LIMESTONE	133.00	TON		\$	
0880	06406		SBM ALUM SHEET SIGNS .080 IN	748.00	SQFT		\$	
0890	06410		STEEL POST TYPE 1	1,332.00	LF		\$	
0900	06510		PAVE STRIPING-TEMP PAINT-4 IN	38,700.00	LF		\$	
0910	06514		PAVE STRIPING-PERM PAINT-4 IN	16,720.00	LF		\$	

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0920	06550		PAVE STRIPING-TEMP REM TAPE-W	3,100.00	LF		\$	
0930	06551		PAVE STRIPING-TEMP REM TAPE-Y	3,700.00	LF		\$	
0940	06566		PAVE MARKING-THERMO X-WALK-12 IN	560.00	LF		\$	
0950	06568		PAVE MARKING-THERMO STOP BAR-24IN	51.00	LF		\$	
0960	06570		PAVE MARKING-PAINT CROSS-HATCH	14,927.00	SQFT		\$	
0970	06573		PAVE MARKING-THERMO STR ARROW	1.00	EACH		\$	
0980	06574		PAVE MARKING-THERMO CURV ARROW	22.00	EACH		\$	
0990	06591		PAVEMENT MARKER TYPE V-BY	89.00	EACH		\$	
1000	10020NS		FUEL ADJUSTMENT	202,769.00	DOLL	\$1.00	\$	\$202,769.00
1010	10030NS		ASPHALT ADJUSTMENT	63,601.00	DOLL	\$1.00	\$	\$63,601.00
1011	17007		EC DUCT - 04 BANK (ADDED: 12-2-15)	467.00	LF		\$	
1012	17027		EC DUCT - SPECIAL (ADDED: 12-2-15)	290.00	LF		\$	
1020	20206EC		PAVE MARK HANDICAP SYMBOL	2.00	EACH		\$	
1030	20550ND		SAWCUT PAVEMENT	1,184.00	LF		\$	
1040	20782NS714		PAVE MARKING THERMO-BIKE	8.00	EACH		\$	
1050	21476ED		SNOW FENCE	20,020.00	LF		\$	
1060	22520EN		PAVE MARKING-THERMO YIELD BAR-36 IN	149.00	LF		\$	
1070	22692NS714		PAVEMENT MARKING-THERMO LETTERS	45.00	EACH		\$	
1080	23158ES505		DETECTABLE WARNINGS	380.00	SQFT		\$	
1090	23274EN11F		TURF REINFORCEMENT MAT 1	4,453.00	SQYD		\$	
1100	23791EC		PAVE STRIPING-CHEVRON MARKINGS	1,587.00	SQFT		\$	
1110	24124EC		PVC CONDUIT-2 IN-SCHEDULE 40	9,600.00	LF		\$	
1120	24386EC		PAVE MARKING THERMO-BIKE LANE ARROW	8.00	EACH		\$	
1130	24631EC		BARCODE SIGN INVENTORY	153.00	EACH		\$	
1140	24801EC		IMPERMEABLE DETENTION BASIN LINING (REVISED: 12-2-15)	16,420.00	SQYD		\$	
1150	24814EC		PIPELINE INSPECTION	7,768.00	LF		\$	

Section: 0003 - DRAINAGE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1160	00441		ENTRANCE PIPE-18 IN	87.00	LF		\$	
1170	00466		CULVERT PIPE-30 IN	104.00	LF		\$	
1180	00520		STORM SEWER PIPE-12 IN	177.00	LF		\$	
1190	00521		STORM SEWER PIPE-15 IN	685.00	LF		\$	
1200	00522		STORM SEWER PIPE-18 IN	4,797.00	LF		\$	
1210	00524		STORM SEWER PIPE-24 IN	1,105.00	LF		\$	
1220	00529		STORM SEWER PIPE-42 IN	291.00	LF		\$	
1230	00530		STORM SEWER PIPE-48 IN	522.00	LF		\$	
1240	01200		PIPE CULVERT HEADWALL-12 IN	2.00	EACH		\$	
1250	01202		PIPE CULVERT HEADWALL-15 IN	2.00	EACH		\$	
1260	01204		PIPE CULVERT HEADWALL-18 IN	8.00	EACH		\$	
1270	01208		PIPE CULVERT HEADWALL-24 IN	7.00	EACH		\$	
1280	01210		PIPE CULVERT HEADWALL-30 IN	2.00	EACH		\$	
1290	01216		PIPE CULVERT HEADWALL-48 IN	2.00	EACH		\$	
1300	01310		REMOVE PIPE	26.00	LF		\$	
1310	01428		SLOPED BOX OUTLET TYPE 1-12 IN	1.00	EACH		\$	

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1320	01433		SLOPED BOX OUTLET TYPE 1-18 IN	2.00	EACH		\$	
1330	01456		CURB BOX INLET TYPE A	47.00	EACH		\$	
1340	01496		DROP BOX INLET TYPE 3	7.00	EACH		\$	
1350	01499		DROP BOX INLET TYPE 4	1.00	EACH		\$	
1360	01538		DROP BOX INLET TYPE 7	1.00	EACH		\$	
1370	01544		DROP BOX INLET TYPE 11	1.00	EACH		\$	
1380	01559		DROP BOX INLET TYPE 13G	16.00	EACH		\$	
1390	01568		DROP BOX INLET TYPE 13S	4.00	EACH		\$	
1400	01642		JUNCTION BOX-18 IN	1.00	EACH		\$	
1410	01756		MANHOLE TYPE A	10.00	EACH		\$	
1420	01767		MANHOLE TYPE C	4.00	EACH		\$	
1430	23644EC		DROP BOX INLET TY 3-SAG	3.00	EACH		\$	
1440	24842EC		OVERFLOW STRUCTURE	1.00	EACH		\$	

Section: 0004 - SEWER

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1450	15000		S BYPASS PUMPING	3.00	EACH		\$	
1460	15010		S CONCRETE PIPE ANCHOR	2.00	EACH		\$	
1470	15018		S ENCASEMENT STEEL BORED RANGE 5	51.00	LF		\$	
1480	15092		S MANHOLE	4.00	EACH		\$	
1490	15093		S MANHOLE ABANDON/REMOVE	3.00	EACH		\$	
1500	15095		S MANHOLE CASTING STANDARD	1.00	EACH		\$	
1510	15101		S MANHOLE WITH DROP	2.00	EACH		\$	
1520	15104		S PIPE DUCTILE IRON 08 INCH	199.00	LF		\$	
1530	15106		S PIPE DUCTILE IRON 12 INCH	251.00	LF		\$	
1540	15112		S PIPE PVC 08 INCH	300.00	LF		\$	

Section: 0005 - LIGHTING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1550	04740		POLE BASE	27.00	EACH		\$	
1560	04820		TRENCHING AND BACKFILLING	4,280.00	LF		\$	
1570	20391NS835		ELECTRICAL JUNCTION BOX TYPE A	17.00	EACH		\$	
1580	24121EC		HDPE CONDUIT-2 IN-SCHEDULE 80	1,060.00	LF		\$	
1590	24601EC		INSTALL (TRANSFORMER PAD) (REVISED: 12-2-15)	2.00	EACH		\$	
1600	24124EC		PVC CONDUIT-2 IN-SCHEDULE 40	3,300.00	LF		\$	

Section: 0006 - WATERLINE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1610	14001		W AIR RELEASE VALVE 3/4 INCH	1.00	EACH		\$	
1620	14019		W FIRE HYDRANT ASSEMBLY	5.00	EACH		\$	
1630	14021		W FIRE HYDRANT REMOVE	1.00	EACH		\$	
1640	14023		W FLUSHING ASSEMBLY	1.00	EACH		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1650	14031		W METER VAULT	1.00	EACH		\$	
1660	14036		W PIPE DUCTILE IRON 06 INCH	636.00	LF		\$	
1670	14037		W PIPE DUCTILE IRON 08 INCH	331.00	LF		\$	
1680	14039		W PIPE DUCTILE IRON 12 INCH	2,473.00	LF		\$	
1690	14050		W PIPE DCTL IRON RSTRND JOINT 12 IN	246.00	LF		\$	
1700	14074		W PLUG EXISTING MAIN	1.00	EACH		\$	
1710	14094		W TIE-IN 06 INCH	1.00	EACH		\$	
1720	14095		W TIE-IN 08 INCH	2.00	EACH		\$	
1730	14097		W TIE-IN 12 INCH	4.00	EACH		\$	
1740	14106		W VALVE 08 INCH	1.00	EACH		\$	
1750	14108		W VALVE 12 INCH	11.00	EACH		\$	
1760	14112		W VALVE ANCHOR EXISTING	1.00	EACH		\$	

Section: 0007 - MOBILIZATION AND/OR DEMOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1770	02568		MOBILIZATION	1.00	LS		\$	
1780	02569		DEMOBILIZATION	1.00	LS		\$	