



TRANSPORTATION CABINET

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

Steven L. Beshear
Governor

Michael W. Hancock, P.E.
Secretary

September 23, 2015

CALL NO. 111
CONTRACT ID NO. 151057
ADDENDUM # 2

Subject: Fayette County, STPM 8591 (005)
Letting September 25, 2015

- (1) Revised - Plan Sheets - R2E, S1A, S7A, S12A, T16
- (2) Added - Plan Sheet - T16A
- (3) Revised - Bid Items - Pages 147-151 of 151

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

GENERAL SUMMARY

COUNTY OF	ITEM NO.	SHEET NO.
FAYETTE	7-225.00	RO02E

ITEM	DESCRIPTION	UNIT	SHEET																	PROJECT TOTALS	
			R003	R005	R007	R009	R011	R013	R015	R017	R019	R021	R023	R025	R027	R029	R031				
02731	REMOVE EXISTING STRUCTURE (4-SPAN BRIDGE)	LP SUM			1																1
02731	REMOVE EXISTING STRUCTURE (13.5' X 4' BRIDGE)	LP SUM											1								1
02898	RELOCATE CRASH CUSHION	EACH																			4
03144	CONCRETE MEDIAN BARRIER TYPE 9C1	LF			187.5																187.5
03145	CONCRETE MEDIAN BARRIER TYPE 9C2	LF			100																100
03171	CONCRETE BARRIER WALL TYPE 9T	LF																			715
05950	EROSION CONTROL BLANKET	SQ YD	1,263	1,083	148					373	450	83	436	390		444	685	292		5,647	
05952	TEMP MULCH	SQ YD																			29,652
05953	TEMPORARY SEEDING AND PROTECTION (SEED MIX TYPE 2)	SQ YD																			9,788
05963	INITIAL FERTILIZER	TON																			2
05964	20-10-10 FERTILIZER	TON																			2
05985	SEEDING AND PROTECTION	SQ YD																			19,577
05990	SODDING	SQ YD		549	378	882	821	808	846	826	838	809	781	808	799	849	279				10,273
05992	AGRICULTURAL LIMESTONE	TON																			2
06540	PAVE STRIPING-THERMO-4 IN W ⑤	LF																			19,633
06541	PAVE STRIPING-THERMO-4 IN Y ⑤	LF																			16,544
06543	PAVE STRIPING-THERMO-6 IN Y ⑤	LF																			304
06544	PAVE STRIPING-THERMO-8 IN W ⑤	LF																			749
06547	PAVE STRIPING-THERMO-12 IN Y ⑤	LF																			2,099
06566	PAVE MARKING-THERMO X-WALK 12 IN ⑤	LF																			702
06568	PAVE MARKING-THERMO STOP BAR - 24 IN ⑤	LF																			955
06573	PAVE MARKING-THERMO STRAIGHT ARROW ⑤	EACH																			10
06574	PAVE MARKING-THERMO CURV ARROW ⑤	EACH																			107
06575	PAVE MARKING-THERMO COMB ARROW ⑤	EACH																			4
06576	PAVE MARKING-THERMO ONLY ⑤	EACH																			6
06589	PAVEMENT MARKER TYPE V-MW ⑤	EACH																			82
06591	PAVEMENT MARKER TYPE V-BY ⑤	EACH																			402
08001	STRUCTURE EXCAV-COMMON ③	CU YD																			162
08901	CRASH CUSHION TY VI CLASS BT TL2	EACH																			6
24814	PIPELINE INSPECTION	LF																			8,642
21358ES505	DETECTABLE WARNINGS	SQ FT																			360
23274ENIIF	TURF REINFORCEMENT MAT 1	SQ YD							312	57		374	9		247						999
03145	CONCRETE SHOULDER BARRIER TYPE 9C2	LF			100																100
08018	RETAINING WALL (28" BLOCK STACKING RETAINING WALL W/36" FREESTANDING WALL)	SQ FT																			4,418
23538EC	PEDESTRIAN GUARDRAIL ⑨	LF										156			189						345
20782NS714	PAVE MARKING-THERMO HELMETED BICYCLE ⑤	EACH																			52
23721NN	LANDSCAPING ④	LP SUM																			1
22000ED	WOOD PLANK FENCE ④	LF																			6203
24386EC	PAVE MARKING-THERMO BIKE LANE ARROW ⑤	EACH																			52
23270ES717	PAVE MARK TY 1 TAPE-CURV ARROW ⑤	EACH																			3

PREPARED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 APPROVED BY _____ DATE _____

Cell Library: kytc.cel
 Cell Name: spds
 6/22/2015

NOTES:

- ① FOR CONTROLLING DUST CAUSED BY MAINTAINING TRAFFIC ONLY. ESTIMATED AT 1000 MGAL PER MILE.
- ② APPROXIMATELY 6.13 ACRES. - CLEARING AND GRUBBING
- ③ INCLUDES 162 CY FOR 28" BLOCK STACKING RETAINING WALL
- ④ SEE LANDSCAPING SHEETS FOR QUANTITIES AND LOCATIONS
- ⑤ SEE STRIPING SHEETS FOR QUANTITIES AND LOCATIONS
- ⑥ THE CONTRACTOR SHALL PROVIDE A DRY-STACKED MODULAR RETAINING WALL SYSTEM USING PRECAST MODULAR BLOCK UNITS SUBJECT TO THE APPROVAL OF THE ENGINEER
- ⑦ SEE SIGNAGE SHEETS FOR QUANTITIES AND LOCATIONS
- ⑧ SEE GEOTECHNICAL NOTES
- ⑨ SEE DETAIL SHEET R42K FOR QUANTITIES AND LOCATIONS

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TRANSPORTATION CABINET DEPARTMENT OF HIGHWAYS

FAYETTE COUNTY

KY 1927

CROSSING I-75 STA. 106 + 65.03

ESTIMATE OF QUANTITIES

BID ITEM CODE	02220	02231	02998	03299	08001	08020	08033	08046	08094	08100	08104	08150	08130	08132	08134	08140	08151	08500	08634	08710	08713	23813EC	20637ED	20745ED	21532ED	21177EN	20391NS835	04797	04810	20746ED	
BID ITEM	FLOWABLE FILL	STRUCTURE GRANULAR BACKFILL	MASONRY COATING	ARMORED EDGE FOR CONCRETE	STRUCTURE EXCAVATION, COMMON	CRUSHED AGGREGATE SLOPE PROTECTION	TEST PILES	PILES-STEEL HP 12x53	PILES POINTS, 12 INCH	CONCRETE CLASS "A"	CONCRETE CLASS "AA"	STEEL REINFORCEMENT	MECHANICAL REINF. COUPLER #5	MECHANICAL REINF. COUPLER #7	MECHANICAL REINF. COUPLER #9	MECHANICAL REINF. COUPLER #5 EPOXY	STEEL REINFORCEMENT, EPOXY COATED	APPROACH SLAB	PRECAST PC I-BEAM TYPE 4	CHAIN LINK FENCE 4 FT	CHAIN LINK FENCE 9 FT	DECK DRAINS	DRILLED SHAFT ROCK 48"	ROCK SOUNDING	RAIL SYSTEM TYPE III	DRILLED SHAFT COMMON 54"	JUNCTION BOX TYPE A	CONDUIT 3 INCH	JUNCTION BOX ELECTRICAL	ROCK CORING	
UNIT	C.Y.	C.Y.	S.Y.	L.F.	C.Y.	TON	L.F.	L.F.	EACH	C.Y.	C.Y.	LBS.	EACH	EACH	EACH	EACH	LBS.	S.Y.	L.F.	L.F.	L.F.	EACH	L.F.	L.F.	L.F.	L.F.	EACH	L.F.	EACH	L.F.	
Integral End Bent 1	124	33	109	104.1	314	319	30	356	17	56.3	62.5	5,023	4	8		8	5,362	228		33											
Pier 1			286		68					94.7		23,635	8		22								36	72			40				108
Pier 2			289		35					95.7		23,635	8		22								78	65			17				150
Pier 3			284		54					94.4		23,635	8		22								36	79			30				108
Integral End Bent 2	123	32	108	104.1	314	327	25	312	16	55.5	62.5	5,025	4	8		8	5,133	228		32											
Substructure																															
Superstructure			1330								832.9						260,482		3,544		644	12			652		4	676	3		
BRIDGE TOTALS	247	65	2,406	208.2	785	646	55	668	33	396.6	957.9	80,953	32	16	66	16	270,977	456	3,544	65	644	12	150	216	652	87	4	676	3	366	

**THIS SHEET
REPLACES
SHEET 1.**

INDEX OF SHEETS

Sheet No.	Description
S1	TITLE SHEET
S2	GENERAL NOTES
S3	BRIDGE LAYOUT
S4	PHASED CONSTRUCTION
S5-S6	SUBSURFACE DATA
S7	FOUNDATION LAYOUT
S8-S9	INTEGRAL END BENT 1
S10	IEB 1 BILL OF REINFORCEMENT
S11-S12	PIER DETAILS
S13	PIER BILL OF REINFORCEMENT
S14-S15	INTEGRAL END BENT 2
S16	IEB 2 BILL OF REINFORCEMENT
S17	FRAMING PLAN
S18	PPC I-BEAM TYPE 4, DETAILS
S19	INTERMEDIATE DIAPHRAGM DETAILS
S20	SUPERSTRUCTURE PLAN
S21	SUPERSTRUCTURE SECTION
S22	PIER DIAPHRAGM
S23-S24	SLAB BILL OF REINFORCEMENT
S25-S27	CONSTRUCTION ELEVATIONS
S28	FENCE DETAILS
S29	RAIL SYSTEM TYPE 3
S30	LIGHTING DETAILS
S31	LIGHTING DETAILS

SPECIAL NOTES

IIC	DRILLED SHAFTS
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SPECIAL PROVISIONS

69 Embankment at Bridge End Bent Structures

STANDARD DRAWINGS

BBP-001-12	ELASTOMERIC BEARING PADS FOR PRESTRESSED BEAMS
BBP-002-04	BEARING DETAILS
BGX-006-09	STENCILS FOR STRUCTURES
BGX-017-01	APPROACH SLAB
BGX-012-02	GEOTECHNICAL LEGEND
BGX-015-02	BRIDGE DRAINS
BJE-001-12	NEOPRENE EXPANSION DAMS AND ARMORED EDGES
RGX-100-05	TREATMENTS OF EMBANKMENTS AT END BENTS
RGX-105-07	TREATMENTS OF EMBANKMENTS AT END BENTS
BPS-003-09	HP12x53 STEEL PILE

SPECIFICATIONS

2012 Standard Specifications for Road and Bridge Construction.
2012 AASHTO LRFD Bridge Design Specifications with Current Interims.

Revised Rock Sounding Quantities	PJS	9/2015
Added Rock Coring Quantities	PJS	9/2015

REVISION	DATE
DATE:	CHECKED BY
DESIGNED BY: W. HARPER	P. SZAK
DETAILED BY: S. NOLEN	P. SZAK


**Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS**


COUNTY
FAYETTE

ROUTE KY 1927	CROSSING I-75
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TITLE SHEET

PREPARED BY 	SHEET NO. S1A
engineering architecture geospatial	DRAWING NO. 26150


engineering | architecture | geospatial



Peter J. Szak

ITEM NUMBER
7-225.00

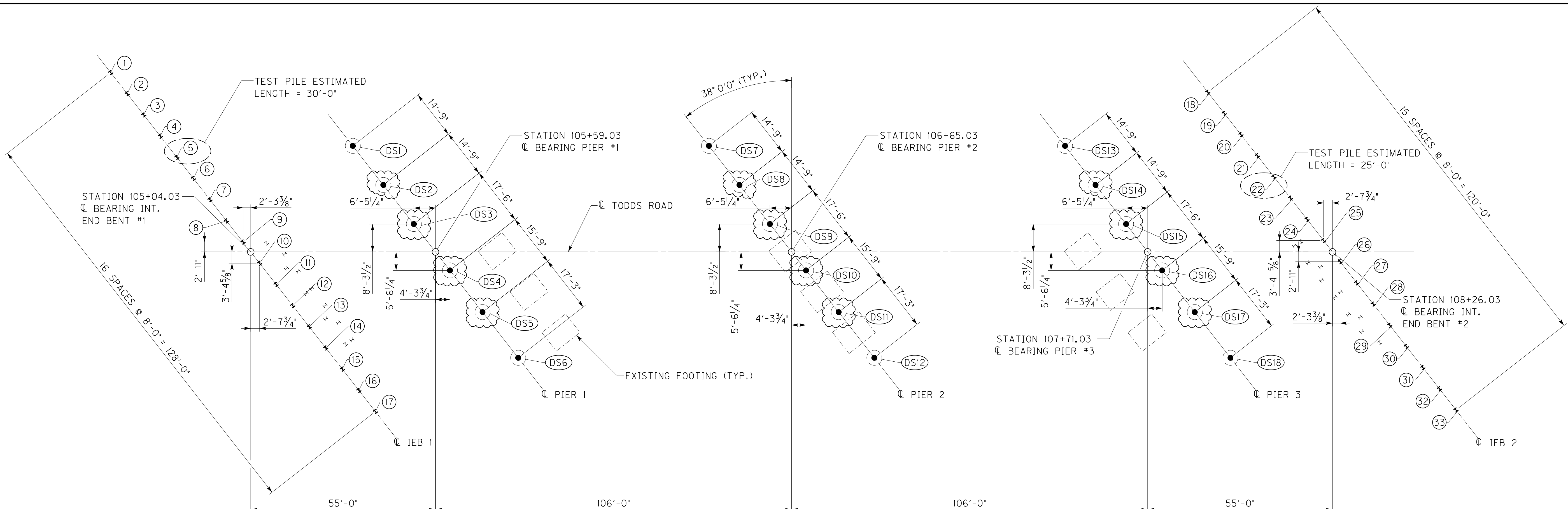
LETTING DATE
CONSTRUCTION PROJECT NO.
FILE NAME: H:\PROJECTS\1414063\STAGE 2 DGN\TITLE SHEET.DGN
USER: snolen
DATE PLOTTED: September 18, 2015
E-SHEET NAME:
MicroStation v8.11.9.459

FILE NAME: H:\PROJECTS\1414063\STAGE 2 DGNS\FOUNDATION LAYOUT.DGN

USER: snolten
DATE PLOTTED: September 18, 2015

E-SHEET NAME:

MicroStation v8.11.9.459



FIELD DATA

FOR EACH PILE, THE PROJECT ENGINEER SHALL RECORD THE FOLLOWING ON THIS SHEET: PILE LENGTH IN PLACE AND POINT OF PILE ELEVATION AS DRIVEN. SUBMIT THIS RECORD TO: KENTUCKY TRANSPORTATION CABINET, DIRECTOR, DIVISION OF STRUCTURES DESIGN, 200 MERO STREET, FRANKFORT, KY 40622-0001.

THIS PILE RECORD DOES NOT REPLACE OTHER PILE RECORDS THE PROJECT ENGINEER IS REQUIRED TO KEEP AND SUBMIT.

USE HP 12X53 IN ACCORDANCE WITH BPS-003-09, C.E. PILES AND ALL SPLICING OPTIONS SHALL CONFORM TO ASTM A709 GRADE 50.

DRIVING CRITERIA

DRIVE POINT BEARING PILES TO PRACTICAL REFUSAL.

ANY COMMONLY USED PILE HAMMER ALLOWED BY THE KYTC DIVISION OF CONSTRUCTION SHOULD BE ADEQUATE TO DRIVE THE PILES TO BEDROCK WITHOUT ENCOUNTERING EXCESSIVE BLOW COUNTS AND OVER-STRESSING THE PILES. THE CONTRACTOR SHALL SUBMIT HIS PILE DRIVING SYSTEM TO THE DEPARTMENT FOR APPROVAL PRIOR TO THE INSTALLATION OF THE FIRST PILE. APPROVAL OF THE PILE DRIVING SYSTEM BY THE ENGINEER WILL BE SUBJECT TO SATISFACTORY FIELD PERFORMANCE OF THE PILE DRIVING PROCEDURES.

PILE TIPS ARE REQUIRED FOR ALL PILES.

DRILLED SHAFTS

DRILLED SHAFT CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT AND THE CURRENT SPECIAL NOTE FOR DRILLED SHAFTS UNLESS OTHERWISE SHOWN OR NOTED.

PERMANENT CASING IS REQUIRED FROM TOP OF ROCK SOCKET TO ELEVATION SHOWN AND IS TO BE CONSIDERED INCIDENTAL TO THE UNIT BID PRICE FOR DRILLED SHAFT, COMMON.

EXPLORATORY DRILLING, REQUIRED TO FINALIZE THE DRILLED SHAFT TIP ELEVATIONS, WILL BE PAID FOR UNDER ROCK SOUNDING, PER L.F. SHALL BE PERFORMED AS SPECIFIED IN THE SPECIAL NOTE FOR DRILLED SHAFTS.

DEFINITIONS OF TERMS

PILE CUT-OFF ELEVATION: ELEVATION OF THE TOP OF PILE IN THE FINISHED STRUCTURE.

PILE LENGTH IN PLACE: ACTUAL PILE LENGTH BELOW THE PILE CUT-OFF ELEVATION IN THE FINISHED STRUCTURE.

POINT OF PILE ELEVATION AS DRIVEN: ACTUAL POINT OF PILE ELEVATION IN THE FINISHED STRUCTURE.

DESIGN AXIAL LOAD: STRENGTH LOAD (FACTORED) CARRIED BY EACH PILE AS ESTIMATED FROM STRUCTURAL DESIGN CALCULATIONS.

PRACTICAL REFUSAL: PRACTICAL REFUSAL (CASE 1): DRIVE POINT BEARING PILES TO PRACTICAL REFUSAL. FOR THIS PROJECT MINIMUM BLOW REQUIREMENTS ARE REACHED AFTER TOTAL PENETRATION BECOMES 1/4 INCH OR LESS FOR 5 CONSECUTIVE BLOWS PRACTICAL REFUSAL IS OBTAINED AFTER THE PILE IS STRUCK AN ADDITIONAL 5 BLOWS WITH TOTAL PENETRATION OF 1/4 INCH OR LESS. ADVANCE THE PRODUCTION PILE TO THE DRIVING RESISTANCES SPECIFIED ABOVE AND TO THE DEPTHS DETERMINED BY TEST PILE(S) AND SUBSURFACE DATA SHEET(S). IMMEDIATELY CEASE DRIVING OPERATIONS IF THE PILE VISIBLY YIELDS OR BECOMES DAMAGED DURING DRIVING. IF HARD DRIVING IS ENCOUNTERED BECAUSE OF DENSE STRATA OR AN OBSTRUCTION, SUCH AS A BOULDER BEFORE THE PILE IS ADVANCED TO THE DEPTH ANTICIPATED, THE ENGINEER WILL DETERMINE IF MORE BLOWS THAN THE AVERAGE DRIVING RESISTANCE SPECIFIED FOR PRACTICAL REFUSAL IS REQUIRED TO FURTHER ADVANCE THE PILE. DRIVE ADDITIONAL PRODUCTION AND TEST PILES IF DIRECTED BY THE ENGINEER.

CALCULATED FIELD BEARING: CONTRARY TO SECTION 604.03.07 OF THE STANDARD SPECIFICATIONS, IN PLACE BEARING VALUES ARE NOT REQUIRED FOR PILES BEARING ON ROCK, WHEN DRIVEN TO PRACTICAL REFUSAL.

THIS SHEET REPLACES SHEET 7.

PILE RECORD

Pile No.	Pile Cut-off Elevation	Pile Length In Place	Point of Pile Elevation As Driven	Design Axial Load
	FEET	FEET	FEET	TONS
INT. END BENT 1				
1	1042.21			137
2	1042.21			137
3	1042.21			137
4	1042.21			137
5	1042.21			137
6	1042.21			137
7	1042.21			137
8	1042.21			137
9	1042.21			137
10	1042.21			137
11	1042.21			137
12	1042.21			137
13	1042.21			137
14	1042.21			137
15	1042.21			137
16	1042.21			137
17	1042.21			137
INT. END BENT 2				
18	1037.38			137
19	1037.38			137
20	1037.38			137
21	1037.38			137
22	1037.38			137
23	1037.38			137
24	1037.38			137
25	1037.38			137
26	1037.38			137
27	1037.38			137
28	1037.38			137
29	1037.38			137
30	1037.38			137
31	1037.38			137
32	1037.38			137
33	1037.38			137

DRILLED SHAFT RECORD

SHAFT	TOP ELEVATION	TOP OF ROCK ELEVATION	BOTTOM OF HOLE ELEVATION	LENGTH OF DRILLED SHAFT COMMON	LENGTH OF DRILLED SHAFT SOLID ROCK
PIER 1					
DS1	1023.00				
DS2	1023.00				
DS3	1023.00				
DS4	1023.00				
DS5	1023.00				
DS6	1023.00				
PIER 2					
DS7	1021.00				
DS8	1021.00				
DS9	1021.00				
DS10	1021.00				
DS11	1021.00				
DS12	1021.00				
PIER 3					
DS13	1020.00				
DS14	1020.00				
DS15	1020.00				
DS16	1020.00				
DS17	1020.00				
DS18	1020.00				

LEGEND

I - EXISTING PILE (NOT REUSED)

I - HP 12X53

○ - 54"Ø DRILLED SHAFT (DRILLED SHAFT, COM.) WITH 48"Ø ROCK SOCKET (DRILLED SHAFT, S.R.) (TYP.)

● - DRILLED SHAFT WITH GEOTECHNICAL ROCK SOUNDING AND GEOTECHNICAL ROCK CORING


Revised Plan Notes	PJS	9/2015
Added Rock Sounding & Coring	PJS	9/2015
To Additional Shafts		
REVISION		DATE
DATE:	CHECKED BY	
DESIGNED BY: W. HARPER	P. SZAK	
DETAILED BY: S. NOLEN	P. SZAK	

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS

COUNTY
FAYETTE

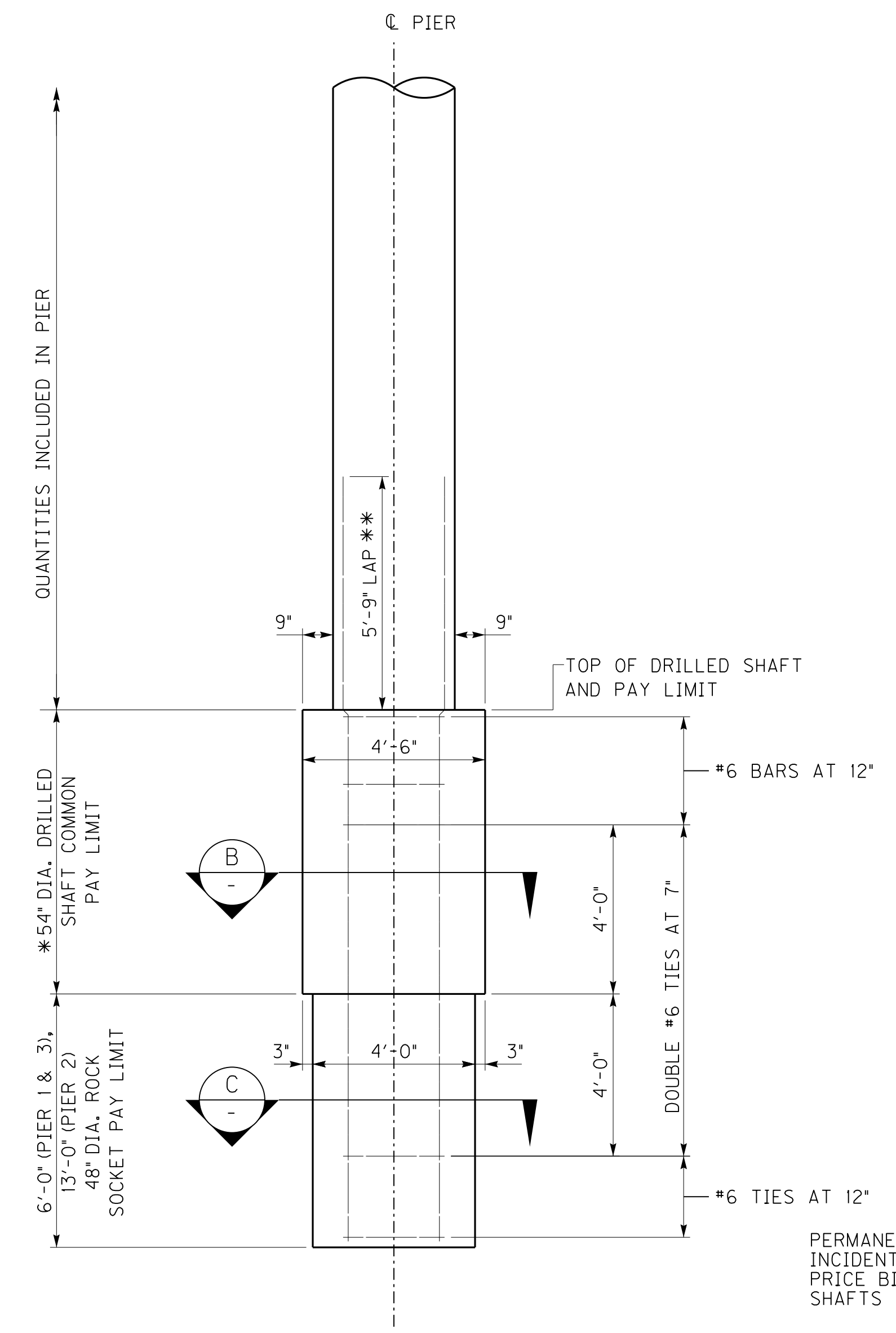
ROUTE **KY 1927** CROSSING **I-75**

FOUNDATION LAYOUT

PREPARED BY

engineering | architecture | geospatial

SHEET NO.
57A
DRAWING NO.
26150

ITEM NUMBER
7-225.00

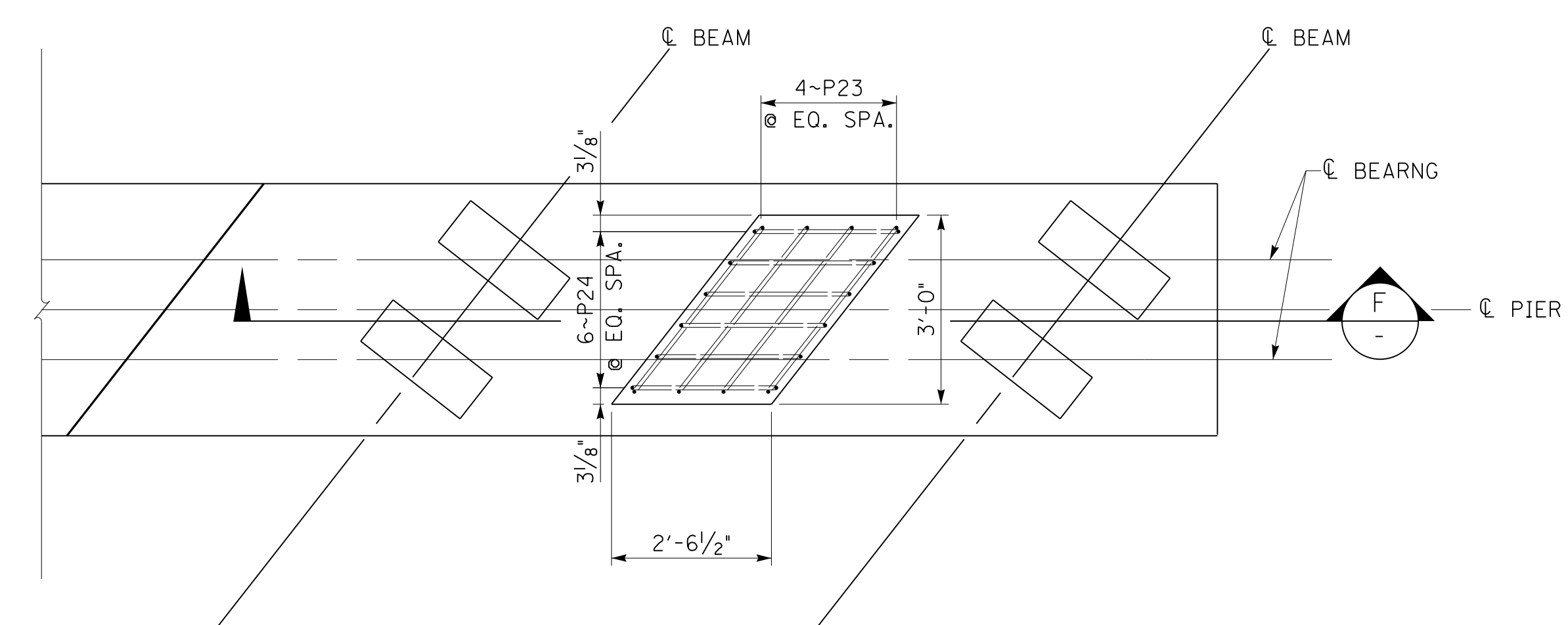


*EXPLORATORY DRILLING REQUIRED TO FINALIZE THE DRILLED SHAFT TIP ELEVATIONS WILL BE PAID FOR UNDER "ROCK SOUNDING, PER L.F." SHALL BE PERFORMED AS SPECIFIED IN THE SPECIAL NOTE FOR DRILLED SHAFTS.

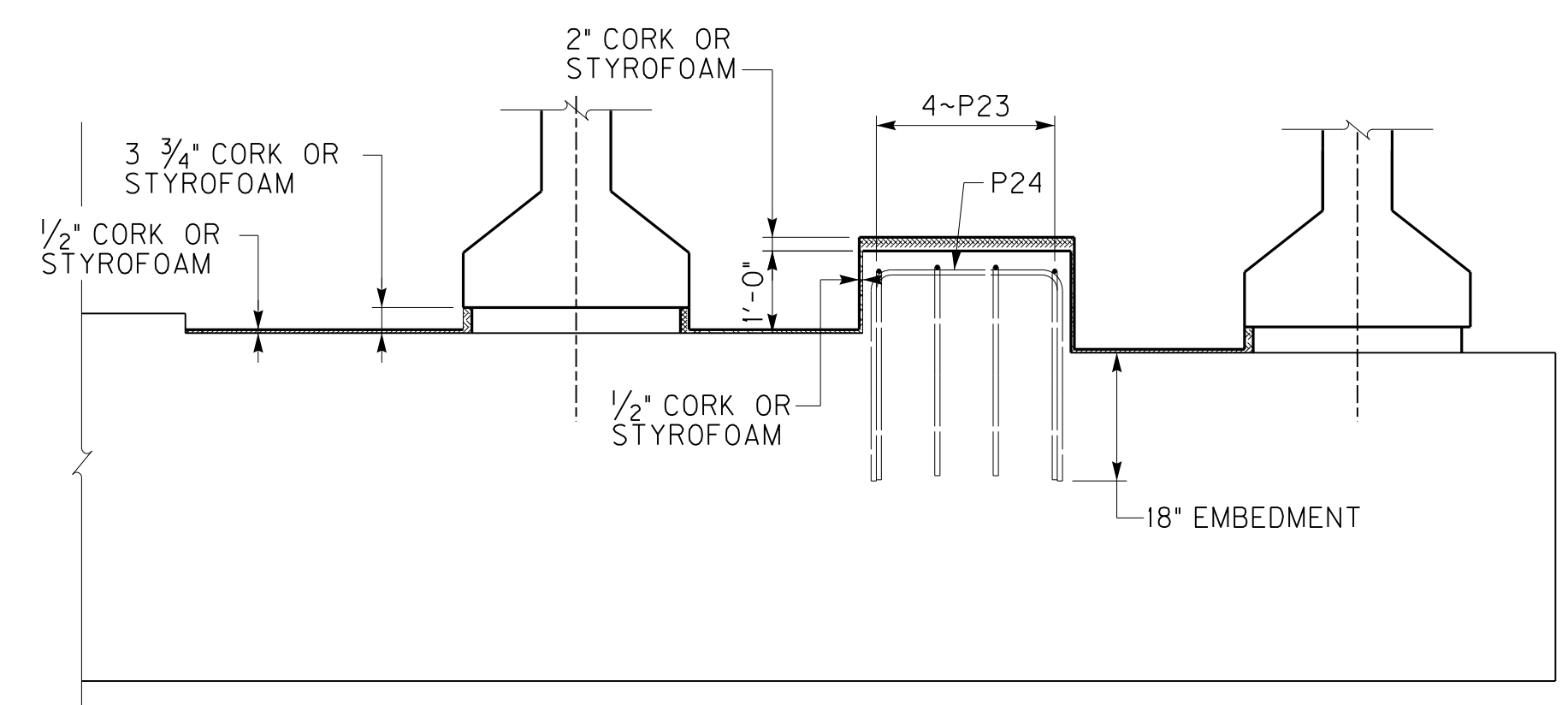
**LAP REINFORCEMENT IS INCIDENTAL TO DRILLED SHAFT.

DOUBLE #6 TIES DENOTES 2 TIES PLACED ADJACENT.

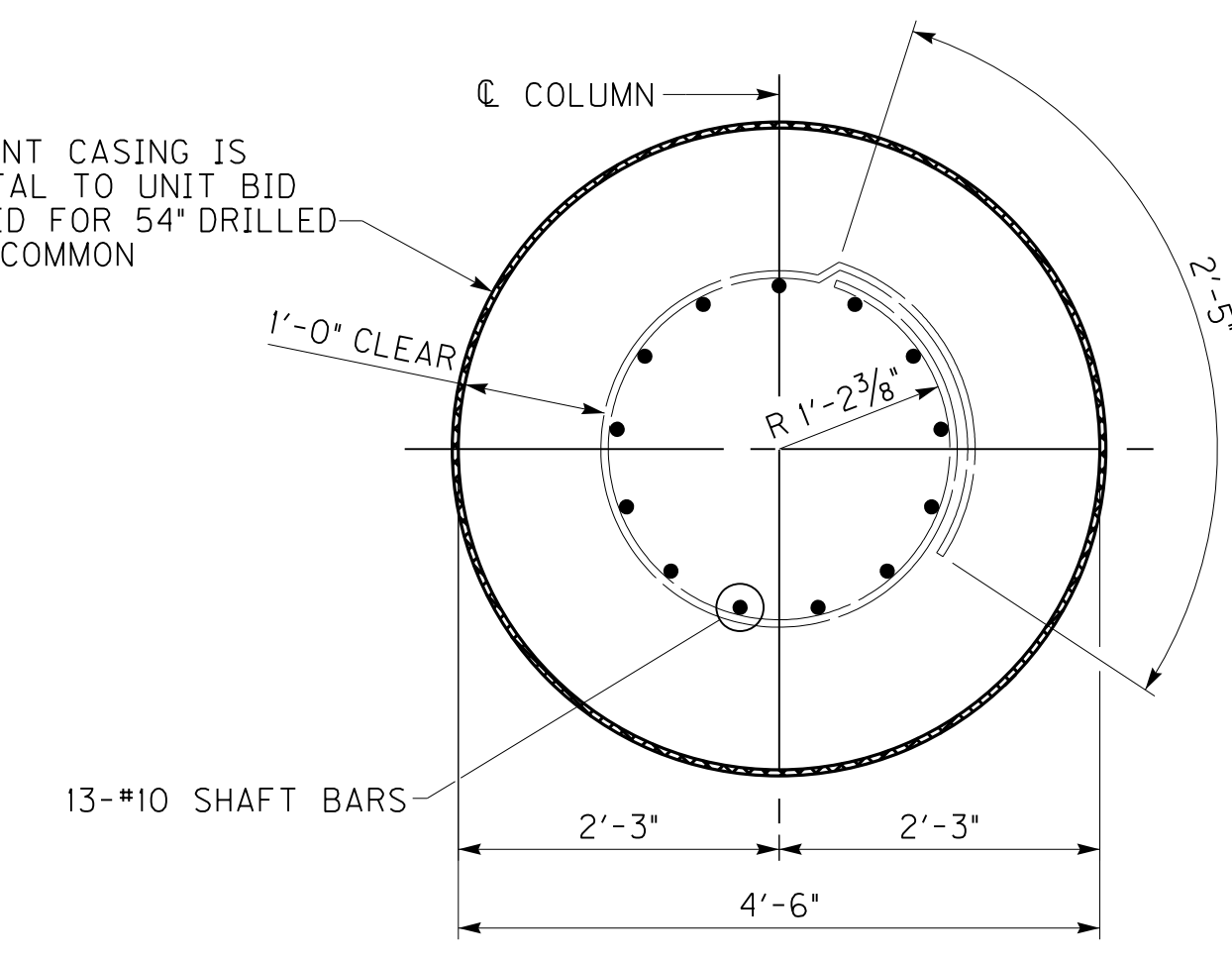
TYPICAL DRILLED SHAFT ELEVATION



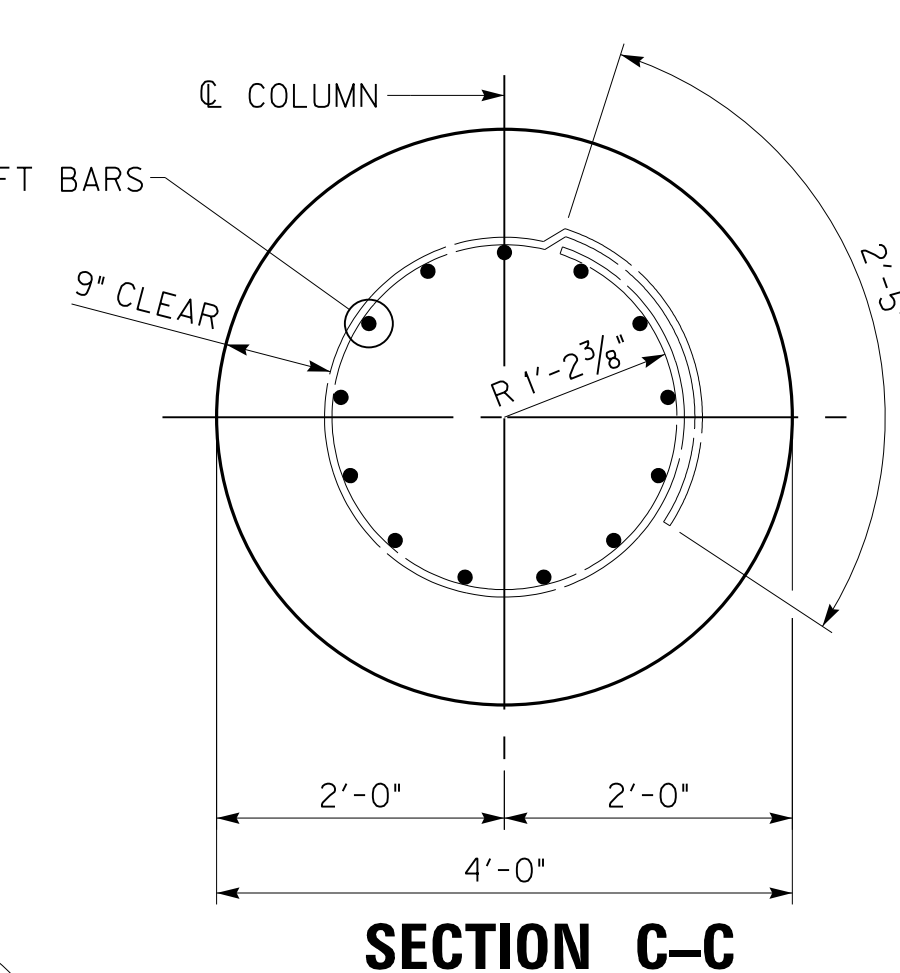
PLAN SHEAR KEY
 BAYS 1 AND 10
 PIERS 1 AND 3



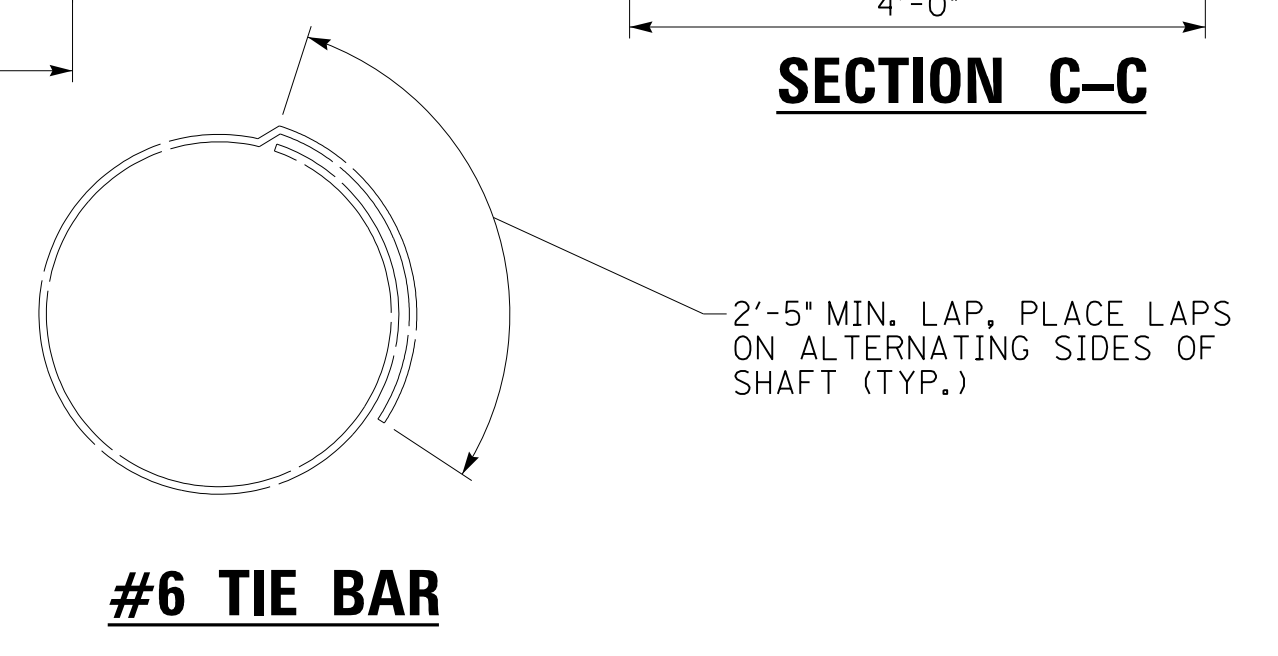
SECTION F-F
 BAYS 1 AND 10
 PIERS 1 AND 3



SECTION B-B




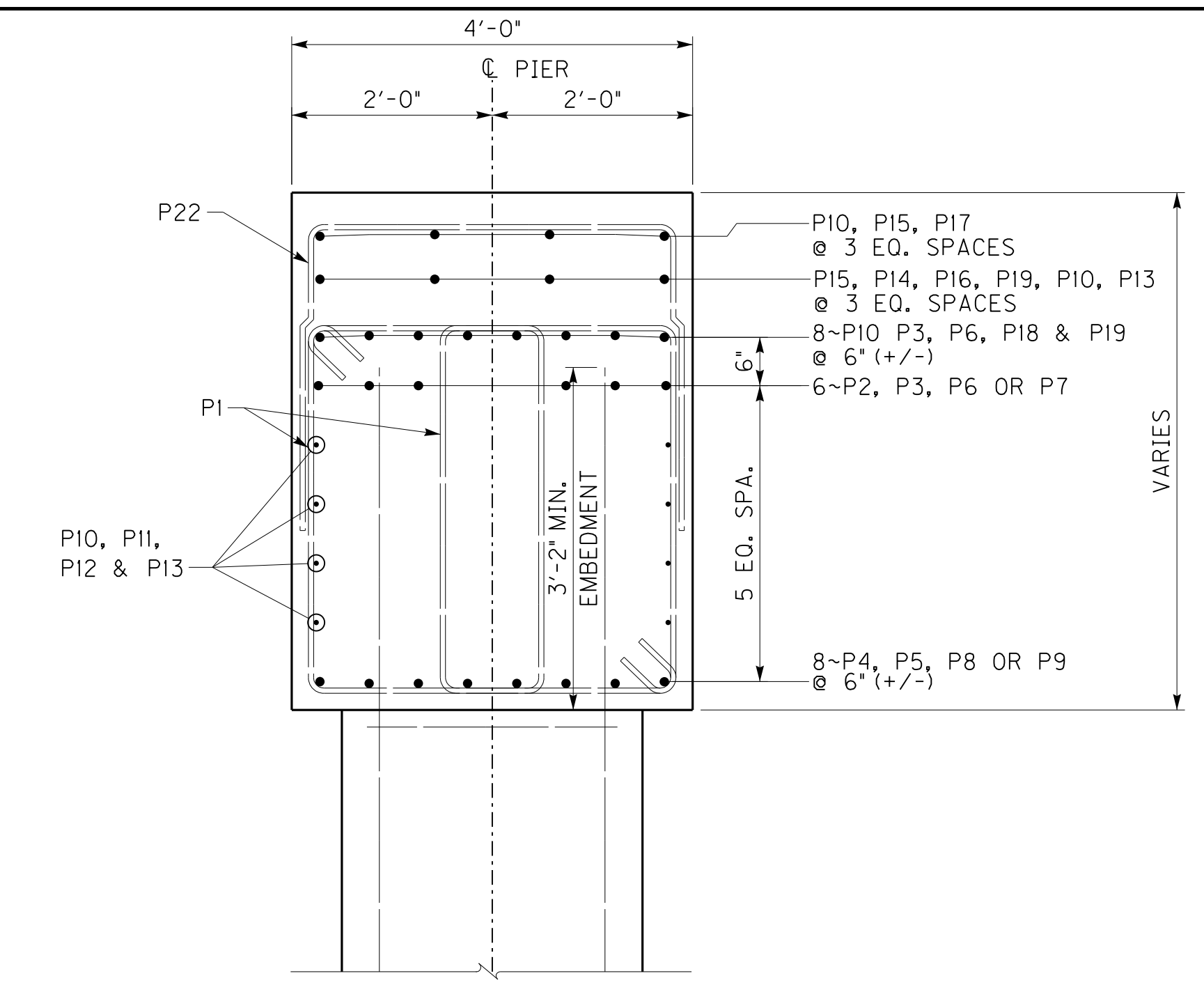
SECTION C-C



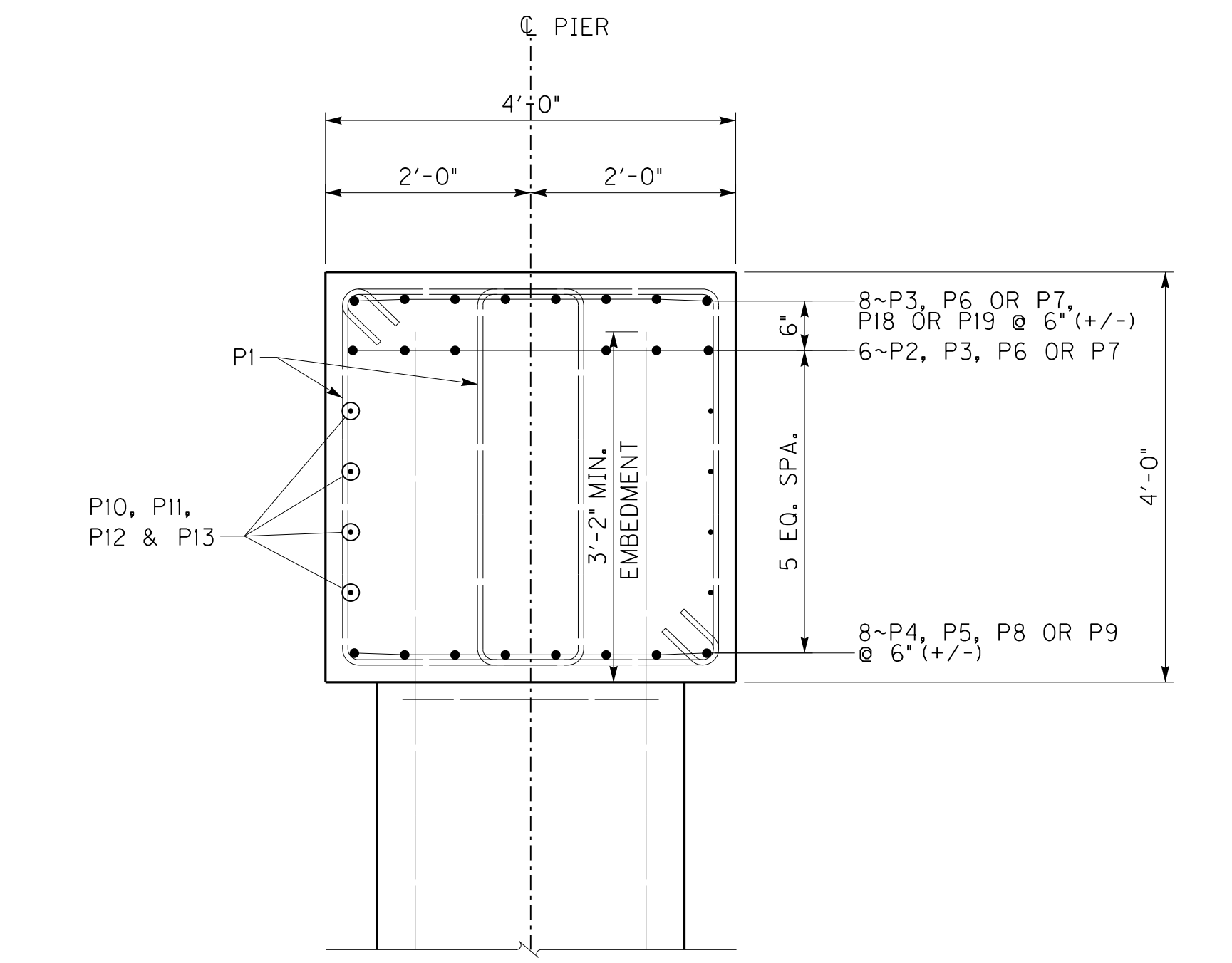
THIS SHEET REPLACES SHEET 12.

ITEM NUMBER	7-225.00
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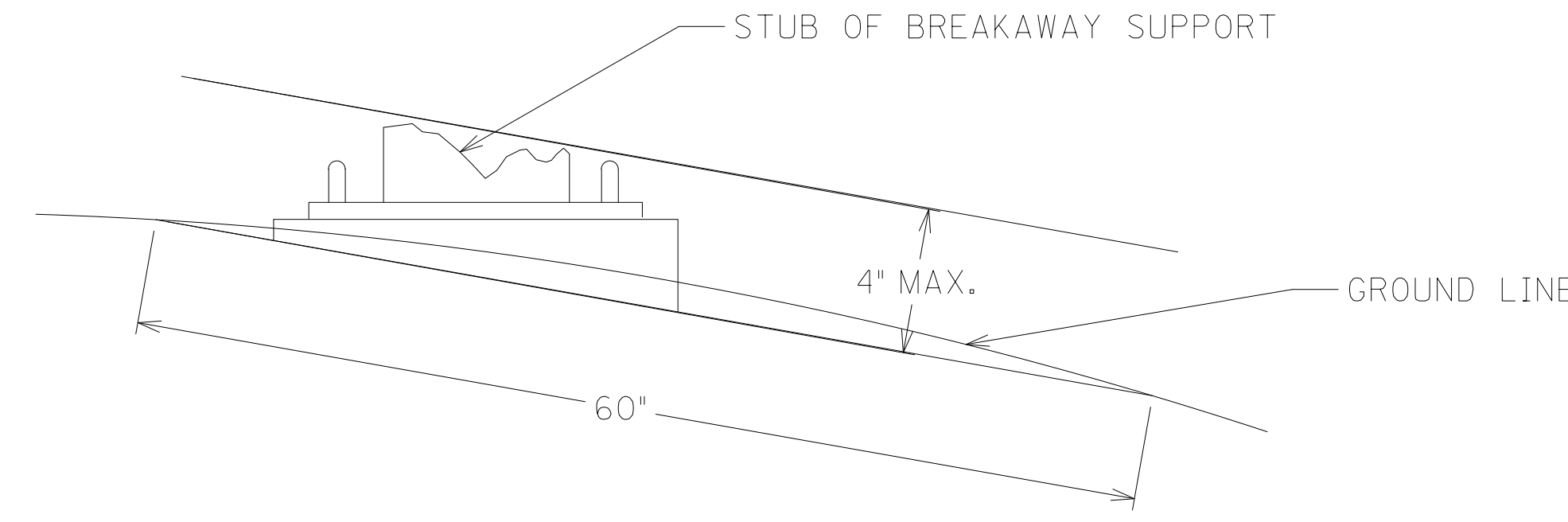
Revised Plan Notes		PJS	9/2015
REVISION		DATE	
DATE:	DESIGNED BY: W. HARPER	CHECKED BY:	P. SZAK
	DETAILED BY:		P. SZAK
Commonwealth of Kentucky DEPARTMENT OF HIGHWAYS			
COUNTY FAYETTE			
ROUTE KY 1927	CROSSING I-75		
PIER DETAILS			
PREPARED BY:		SHEET NO.	
 engineering architecture geospatial		S12A	
		DRAWING NO.	
		26150	



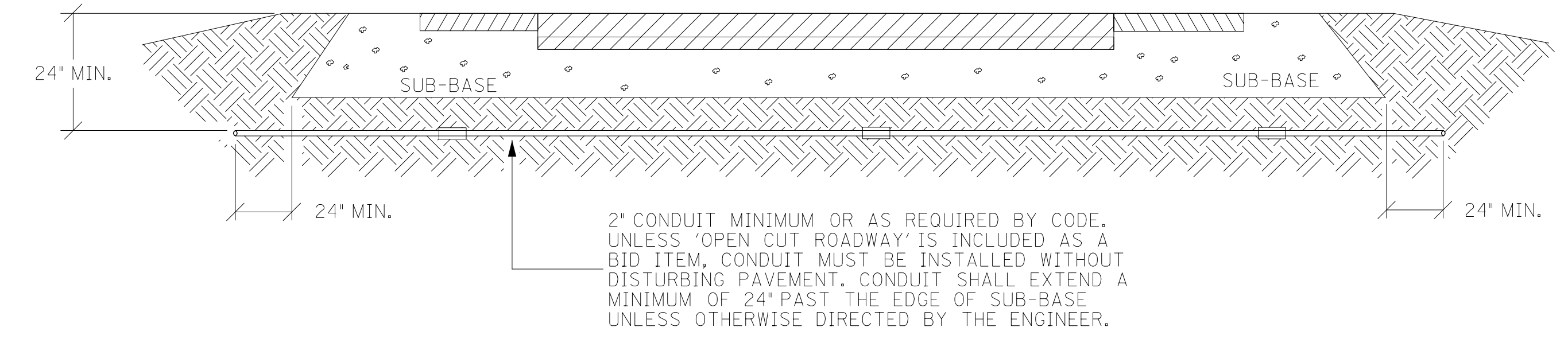
SECTION D-D



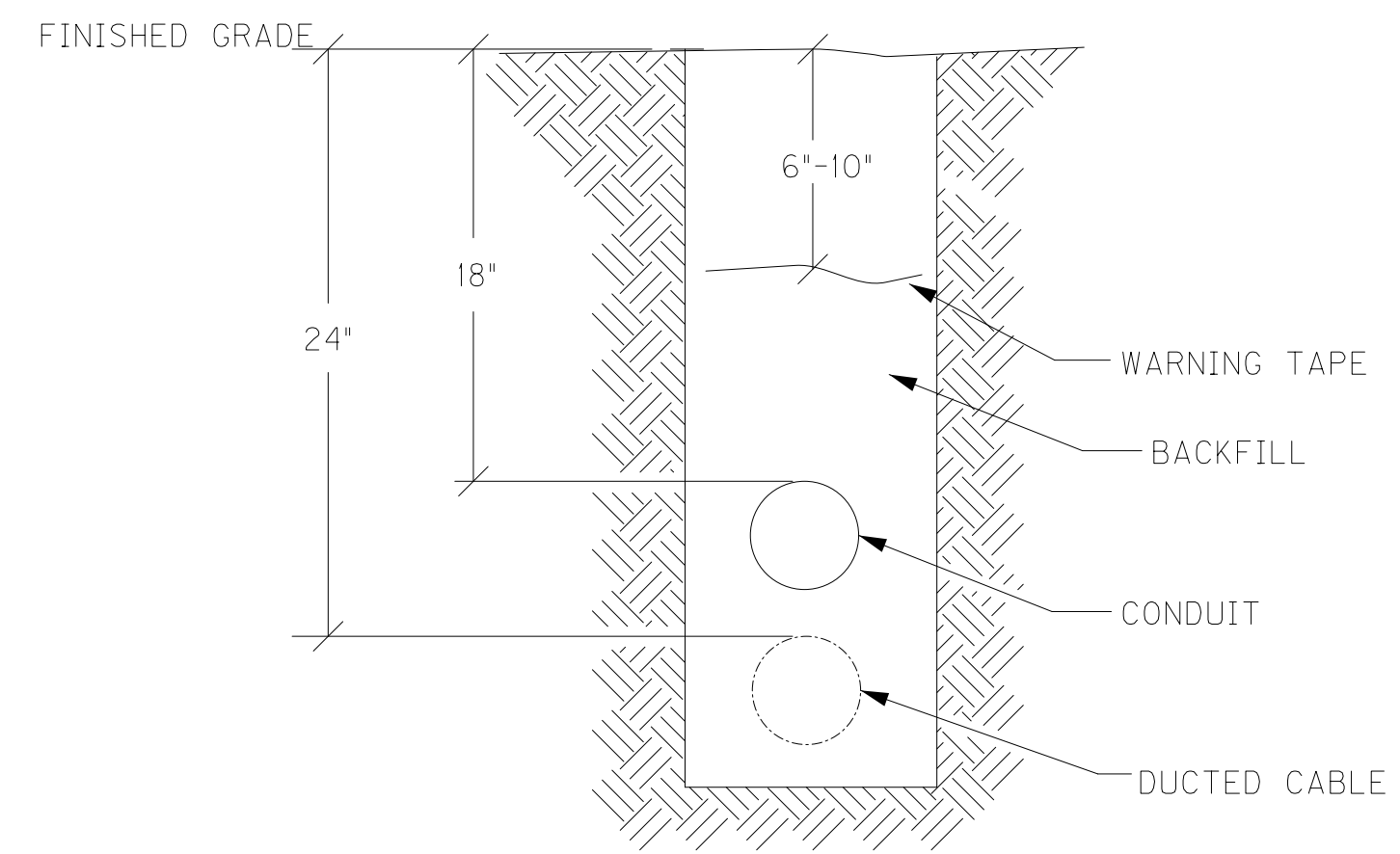
SECTION E-E



BREAKAWAY SUPPORT STUB HEIGHT MEASUREMENT

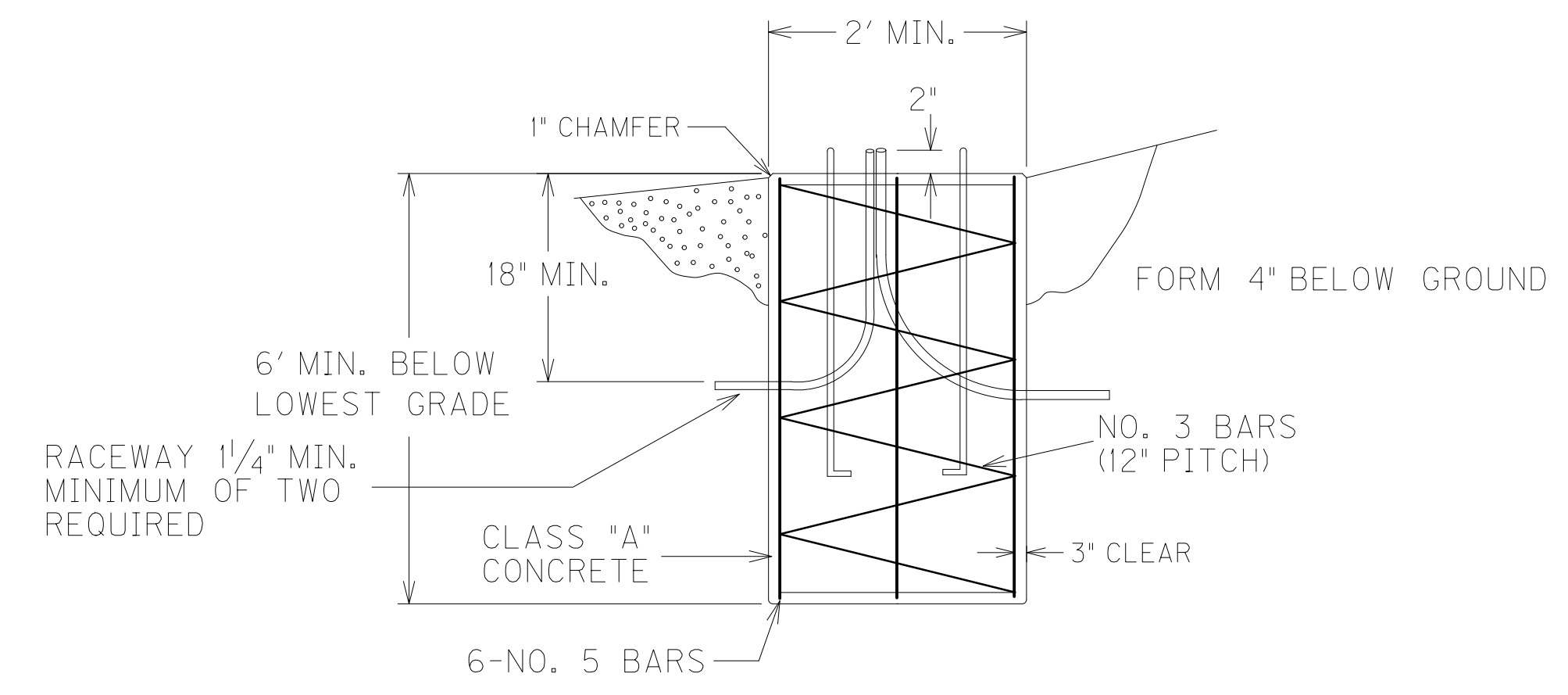


CONDUIT INSTALLATION UNDER EXISTING PAVEMENT DETAIL

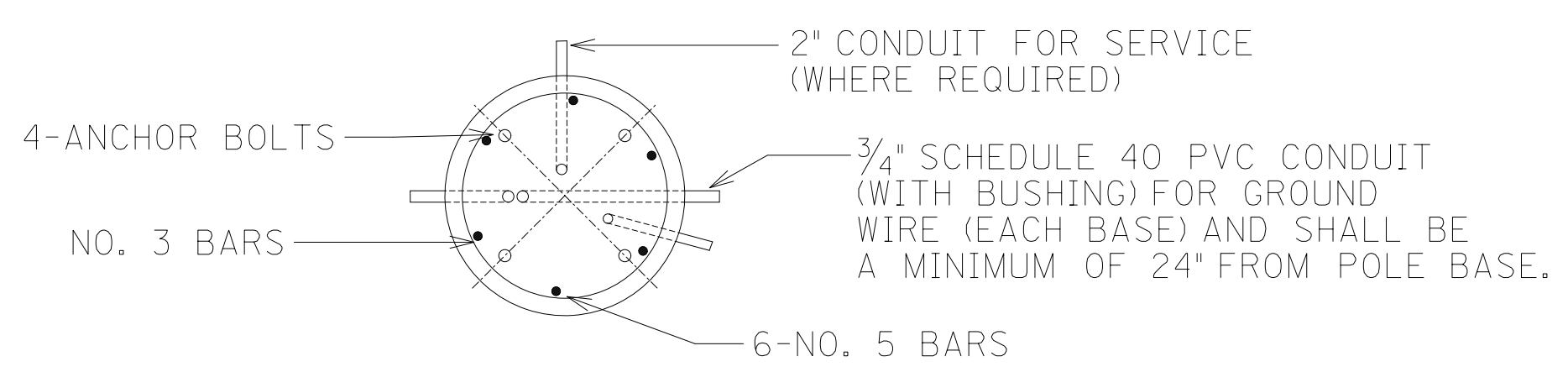


CONDUIT, DUCTED CABLE, AND WARNING TAPE TRENCH

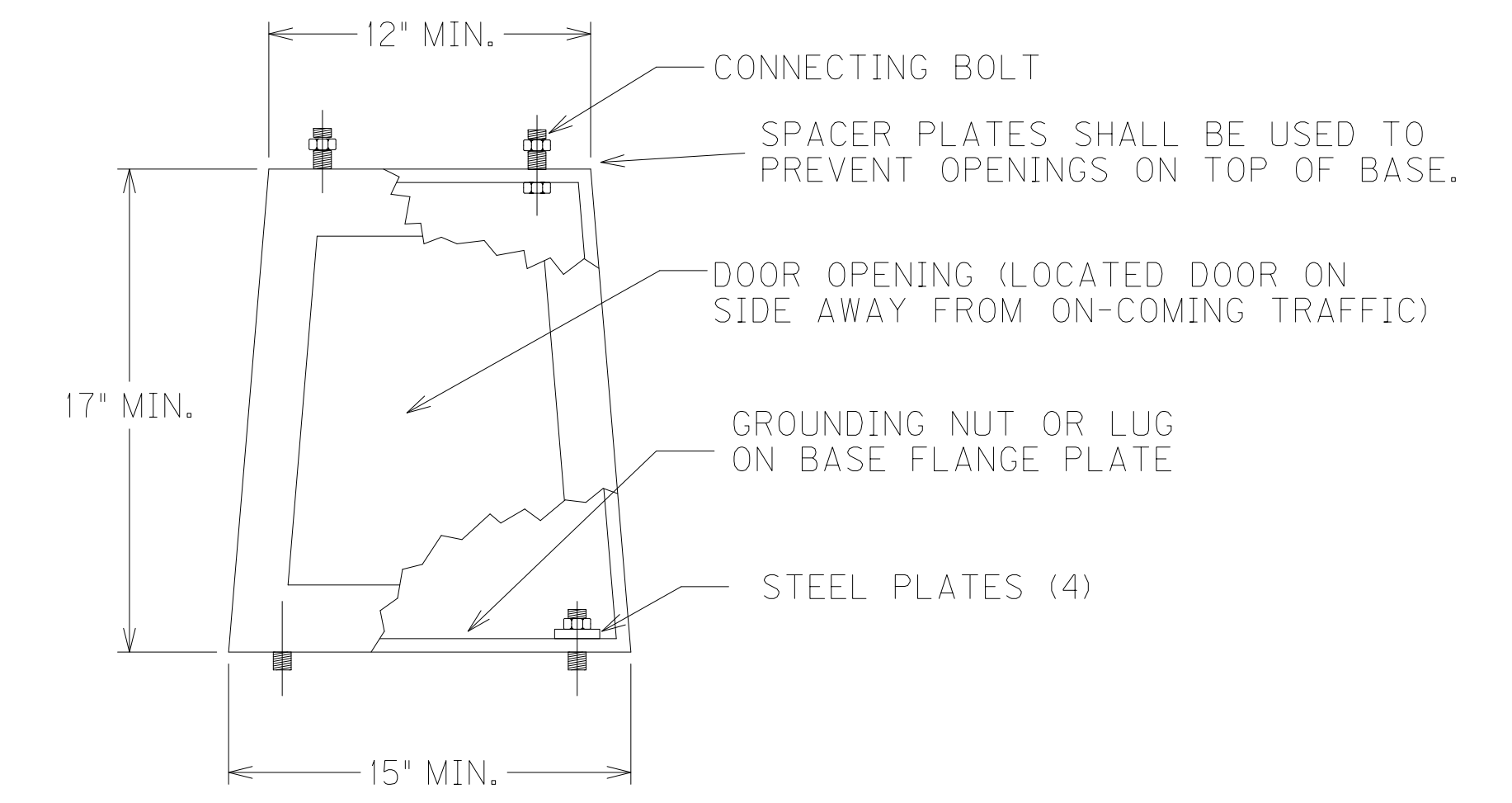
DEPTHS SHOWN FOR CONDUIT AND DUCTED CABLE ARE MINIMUMS. CONTRACTOR SHALL PLACE AND COMPACT BACKFILL IN 9" MAXIMUM LIFTS AND RETORE DISTURBED AREA TO THE SATISFACTION OF THE ENGINEER.



FOUNDATION DETAIL



NOTE: PRECAST CONCRETE BASES ARE NOT ACCEPTABLE



TYPICAL CAST ALUMINUM TRANSFORMER BASE

CONCRETE BASES SHALL BE POURED LEVEL. NO MORE THAN A 3/8" GAP SHALL EXIST BETWEEN CONCRETE BASE AND TRANSFORMER BASE WHEN THE POLE IS PLUMBED.

NOT TO SCALE

FILE NAME: T:\3206\SHEETS\LIGHTING\T0160ALT.DGN
 USER: gabbard
 DATE PLOTTED: September 21, 2015
 E-SHEET NAME:
 MicroStation v8.11.7.443

ROADWAY LIGHTING ESTIMATE OF QUANTITIES:

ITEM	DESCRIPTION	UNIT	PROJECT TOTALS
04740	POLE BASE	EACH	83
04795	CONDUIT - 2 INCH	LF	13,334
04820	TRENCHING AND BACKFILLING	LF	12,744
21543EN	BORE AND JACK CONDUIT	LF	590

POLE BASES		
REF. NO.	STATION	CL OFFSET
582	93+02	20.73' LT
581	95+02	33.50' RT
580	96+49	28.51' LT

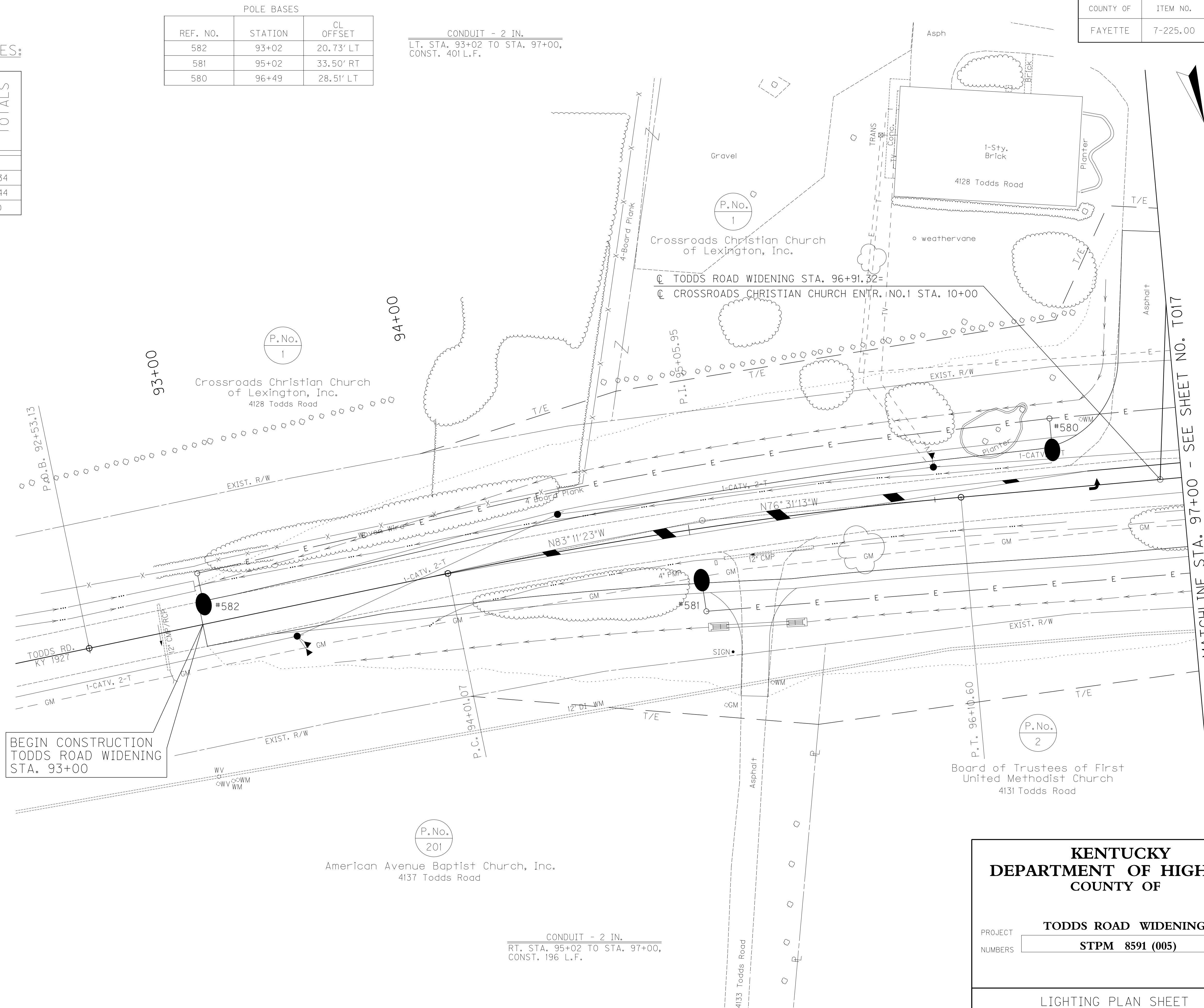
CONDUIT - 2 IN.
LT. STA. 93+02 TO STA. 97+00,
CONST. 401 L.F.

GENERAL NOTES:

- UNDERGROUND CONDUIT AND POLE BASES FOR ROADWAY LIGHTING SHALL BE INSTALLED ON THIS CONTRACT.
- POWER SERVICE IS TO BE LOCATED AT THE BEGINNING OF THE PROJECT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT KENTUCKY UTILITIES TO CONFIRM LOCATIONS.
- THE CONTRACTOR SHALL CONTACT KENTUCKY UTILITIES TWO WEEKS PRIOR TO THE REMOVAL OF THE EXISTING LUMINAIRE POLES AND FIXTURES. THE REMOVAL WILL BE THE RESPONSIBILITY OF KU.
- ALL POLE BASES THAT CONFLICT WITH UNDERGROUND FACILITIES SHALL BE INSTALLED ON THE BACK SIDE OF THE UNDERGROUND FEATURE AT THE SAME STATION AS CALLED FOR, BUT AS CLOSE TO THE ROAD AS POSSIBLE.
- ALL POLE BASES LOCATED BEHIND THE SIDEWALK SHALL BE FORMED AGAINST THE BACKSIDE OF THE SIDEWALK AND THE TOP OF THE CONCRETE SHALL BE FLUSH WITH THE SIDEWALK.
- LIGHTING CONDUIT IS TO BE 2-INCH SCHEDULE 40 PVC EXCEPT BENEATH PAVEMENT WHEN IT SHALL BE 2-INCH SCHEDULE 80 PVC.
- OFFSET DIMENSIONS ARE APPROXIMATE - SET POLE BASES THE SAME DISTANCE FROM THE BACK OF SIDEWALK.

LEGEND:

- LUMINAIRE REFERENCE NUMBER #537
- LUMINAIRE FIXTURE, POLE AND BASE
- 2-INCH CONDUIT



PREPARED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 APPROVED BY _____ DATE _____

Cell Library: kytc.cel
 Cell Name: spl
 9/21/2015

**KENTUCKY
 DEPARTMENT OF HIGHWAYS
 COUNTY OF**

TODDS ROAD WIDENING

PROJECT NUMBERS **STPM 8591 (005)**

LIGHTING PLAN SHEET
 TODDS ROAD WIDENING
 STA. 93+00 TO STA. 97+00

MATCHLINE STA. 97+00 - SEE SHEET NO. T017

ROADWAY LIGHTING ESTIMATE OF QUANTITIES:

ITEM	DESCRIPTION	UNIT	PROJECT TOTALS
04740	POLE BASE	EACH	83
04795	CONDUIT - 2 INCH	LF	13,334
04820	TRENCHING AND BACKFILLING	LF	12,744
21543EN	BORE AND JACK CONDUIT	LF	590

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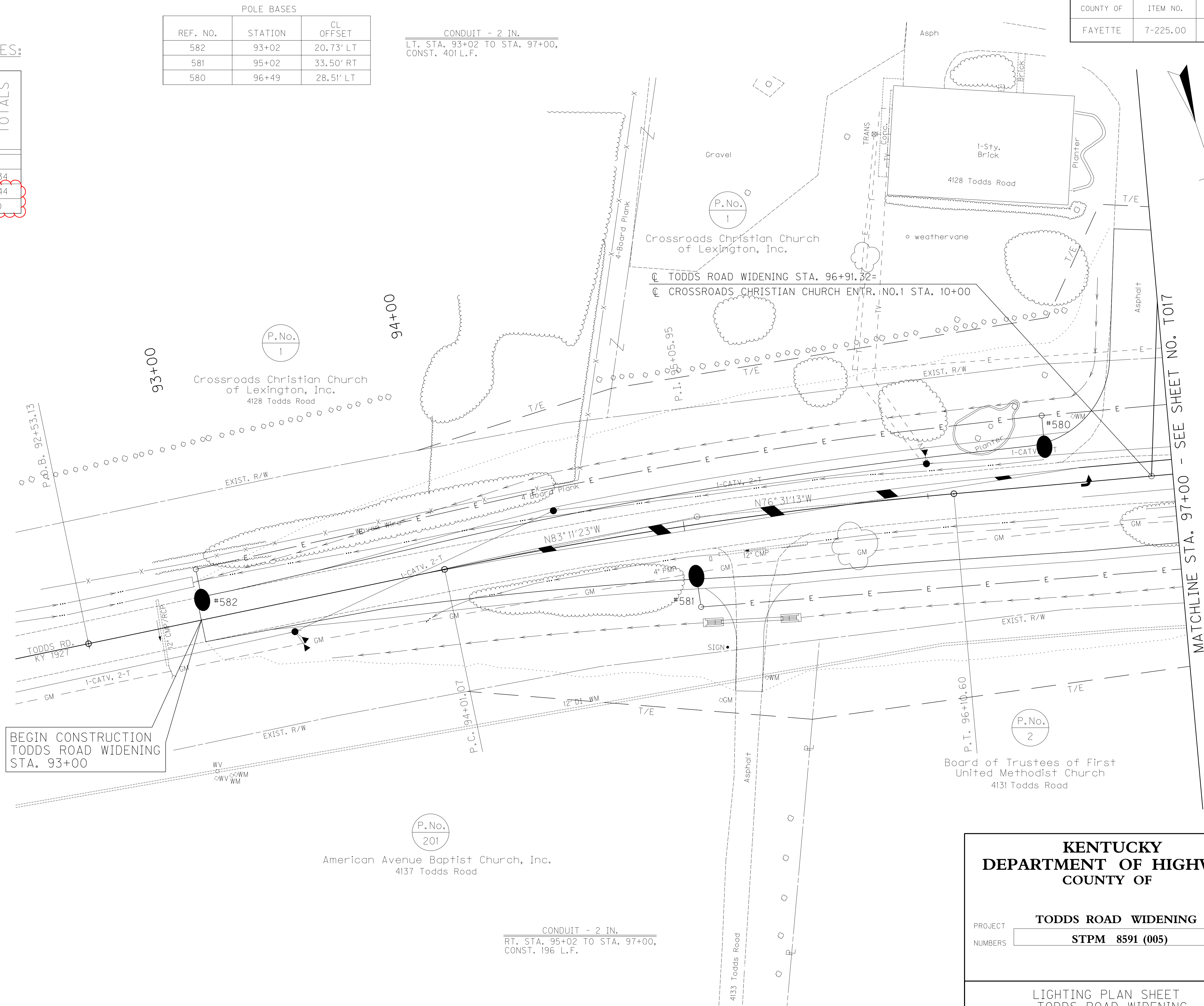
CONDUIT - 2 IN.
LT. STA. 93+02 TO STA. 97+00,
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- OFFSET DIMENSIONS ARE APPROXIMATE - SET POLE BASES THE SAME DISTANCE FROM THE BACK OF SIDEWALK.

LEGEND:

- LUMINAIRE REFERENCE NUMBER #537
- LUMINAIRE FIXTURE, POLE AND BASE
- 2-INCH CONDUIT



PREPARED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 APPROVED BY _____ DATE _____

Cell Library: kytc.cel
 Cell Name: spl
 9/21/2015

**KENTUCKY
 DEPARTMENT OF HIGHWAYS
 COUNTY OF**

PROJECT **TODDS ROAD WIDENING**
 NUMBERS **STPM 8591 (005)**

LIGHTING PLAN SHEET
 TODDS ROAD WIDENING
 STA. 93+00 TO STA. 97+00

MATCHLINE STA. 97+00 - SEE SHEET NO. T017

PROPOSAL BID ITEMS

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Section: 0001 - PAVING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00001		DGA BASE	19,011.00	TON		\$	
0020	00100		ASPHALT SEAL AGGREGATE	5.00	TON		\$	
0030	00103		ASPHALT SEAL COAT	1.00	TON		\$	
0040	00214		CL3 ASPH BASE 1.00D PG64-22	31,075.00	TON		\$	
0050	00388		CL3 ASPH SURF 0.38B PG64-22	4,253.00	TON		\$	
0060	02101		CEM CONC ENT PAVEMENT-8 IN	412.00	SQYD		\$	

Section: 0002 - ROADWAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0070	00440		ENTRANCE PIPE-15 IN	111.00	LF		\$	
0080	00520		STORM SEWER PIPE-12 IN	146.00	LF		\$	
0090	00521		STORM SEWER PIPE-15 IN	2,504.00	LF		\$	
0100	00522		STORM SEWER PIPE-18 IN	4,882.00	LF		\$	
0110	00524		STORM SEWER PIPE-24 IN	1,103.00	LF		\$	
0120	01000		PERFORATED PIPE-4 IN	819.00	LF		\$	
0130	01010		NON-PERFORATED PIPE-4 IN	36.00	LF		\$	
0140	01204		PIPE CULVERT HEADWALL-18 IN	2.00	EACH		\$	
0150	01208		PIPE CULVERT HEADWALL-24 IN	3.00	EACH		\$	
0160	01432		SLOPED BOX OUTLET TYPE 1-15 IN	5.00	EACH		\$	
0170	01433		SLOPED BOX OUTLET TYPE 1-18 IN	2.00	EACH		\$	
0180	01456		CURB BOX INLET TYPE A	62.00	EACH		\$	
0190	01458		CURB BOX INLET TYPE A T	1.00	EACH		\$	
0200	01490		DROP BOX INLET TYPE 1	9.00	EACH		\$	
0210	01538		DROP BOX INLET TYPE 7	3.00	EACH		\$	
0220	01547		DROP BOX INLET TYPE 12	24.00	LF		\$	
0230	01756		MANHOLE TYPE A	9.00	EACH		\$	
0240	01761		MANHOLE TYPE B	2.00	EACH		\$	
0250	01810		STANDARD CURB AND GUTTER	14,440.00	LF		\$	
0260	01875		STANDARD HEADER CURB	56.00	LF		\$	
0270	01987		DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	4.00	EACH		\$	
0280	01990		DELINEATOR FOR BARRIER WALL-B/W	8.00	EACH		\$	
0290	02001		CURB TO BARRIER WALL TRANS	4.00	EACH		\$	
0300	02003		RELOCATE TEMP CONC BARRIER	290.00	LF		\$	
0310	02014		BARRICADE-TYPE III	4.00	EACH		\$	
0320	02091		REMOVE PAVEMENT	870.00	SQYD		\$	
0330	02157		PAVED DITCH TYPE 1	79.00	SQYD		\$	
0340	02159		TEMP DITCH	8,442.00	LF		\$	
0350	02210		BORROW EXCAVATION	19,695.00	CUYD		\$	
0360	02223		GRANULAR EMBANKMENT	2,423.00	CUYD		\$	
0370	02230		EMBANKMENT IN PLACE	56,975.00	CUYD		\$	
0380	02231		STRUCTURE GRANULAR BACKFILL	766.00	CUYD		\$	
0390	02242		WATER	1,600.00	MGAL		\$	
0400	02262		FENCE-WOVEN WIRE TYPE 1	214.00	LF		\$	
0410	02265		REMOVE FENCE	1,767.00	LF		\$	
0420	02351		GUARDRAIL-STEEL W BEAM-S FACE	400.00	LF		\$	

PROPOSAL BID ITEMS

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0430	02369		GUARDRAIL END TREATMENT TYPE 2A	2.00	EACH		\$	
0440	02381		REMOVE GUARDRAIL	1,002.00	LF		\$	
0450	02429		RIGHT-OF-WAY MONUMENT TYPE 1	82.00	EACH		\$	
0460	02483		CHANNEL LINING CLASS II	339.00	TON		\$	
0470	02484		CHANNEL LINING CLASS III	36.00	TON		\$	
			CLEARING AND GRUBBING					
0480	02545		.	1.00	LS		\$	
0490	02562		TEMPORARY SIGNS	300.00	SQFT		\$	
0500	02598		FABRIC-GEOTEXTILE TYPE III	7,266.00	SQYD		\$	
0510	02600		FABRIC GEOTEXTILE TY IV FOR PIPE	12,922.00	SQYD	\$2.00	\$	\$25,844.00
0520	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0530	02671		PORTABLE CHANGEABLE MESSAGE SIGN	6.00	EACH		\$	
0540	02690		SAFELOADING	35.00	CUYD		\$	
0550	02701		TEMP SILT FENCE	8,442.00	LF		\$	
0560	02703		SILT TRAP TYPE A	13.00	EACH		\$	
0570	02704		SILT TRAP TYPE B	13.00	EACH		\$	
0580	02705		SILT TRAP TYPE C	19.00	EACH		\$	
0590	02706		CLEAN SILT TRAP TYPE A	39.00	EACH		\$	
0600	02707		CLEAN SILT TRAP TYPE B	39.00	EACH		\$	
0610	02708		CLEAN SILT TRAP TYPE C	57.00	EACH		\$	
0620	02709		CLEAN TEMP SILT FENCE	25,326.00	LF		\$	
0630	02719		SIDEWALK-4 1/2 INCH CONCRETE	8,210.00	SQYD		\$	
0640	02726		STAKING	1.00	LS		\$	
			REMOVE STRUCTURE					
0650	02731		4 SPAN BRIDGE	1.00	LS		\$	
			REMOVE STRUCTURE					
0660	02731		13.5' X 4' BRIDGE	1.00	LS		\$	
0680	02898		RELOCATE CRASH CUSHION	4.00	EACH		\$	
0690	03144		CONC MEDIAN BARRIER TYPE 9C1	187.50	LF		\$	
0700	03145		CONC MEDIAN BARRIER TYPE 9C2	100.00	LF		\$	
0710	03145		CONC MEDIAN BARRIER TYPE 9C2	100.00	LF		\$	
0720	03171		CONCRETE BARRIER WALL TYPE 9T	715.00	LF		\$	
0750	05950		EROSION CONTROL BLANKET	5,647.00	SQYD		\$	
0760	05952		TEMP MULCH	29,652.00	SQYD		\$	
			TEMP SEEDING AND PROTECTION					
0770	05953		SEED MIX TYPE 2	9,788.00	SQYD		\$	
0780	05963		INITIAL FERTILIZER	2.00	TON		\$	
0790	05964		20-10-10 FERTILIZER	2.00	TON		\$	
0800	05985		SEEDING AND PROTECTION	19,577.00	SQYD		\$	
0810	05990		SODDING	10,273.00	SQYD		\$	
0820	05992		AGRICULTURAL LIMESTONE	2.00	TON		\$	
0830	06540		PAVE STRIPING-THERMO-4 IN W	19,633.00	LF		\$	
0840	06541		PAVE STRIPING-THERMO-4 IN Y	16,544.00	LF		\$	
0850	06543		PAVE STRIPING-THERMO-6 IN Y	304.00	LF		\$	
0860	06544		PAVE STRIPING-THERMO-8 IN W	749.00	LF		\$	
0870	06547		PAVE STRIPING-THERMO-12 IN Y	2,099.00	LF		\$	
0880	06566		PAVE MARKING-THERMO X-WALK-12 IN	702.00	LF		\$	
0890	06568		PAVE MARKING-THERMO STOP BAR-24IN	955.00	LF		\$	
0900	06573		PAVE MARKING-THERMO STR ARROW	10.00	EACH		\$	
0910	06574		PAVE MARKING-THERMO CURV ARROW	107.00	EACH		\$	
0920	06575		PAVE MARKING-THERMO COMB ARROW	4.00	EACH		\$	

PROPOSAL BID ITEMS

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0930	06576		PAVE MARKING-THERMO ONLY	6.00	EACH		\$	
0940	06589		PAVEMENT MARKER TYPE V-MW	82.00	EACH		\$	
0950	06591		PAVEMENT MARKER TYPE V-BY	402.00	EACH		\$	
0960	08001		STRUCTURE EXCAVATION-COMMON	162.00	CUYD		\$	
0970	08002		STRUCTURE EXCAV-SOLID ROCK	27.00	CUYD		\$	
0980	08003		FOUNDATION PREPARATION 42'X10'	1.00	LS		\$	
0990	08003		FOUNDATION PREPARATION 16'X8'	1.00	LS		\$	
1000	08018		RETAINING WALL (REVISED: 9-23-15)	4,418.00	SQFT		\$	
1010	08901		CRASH CUSHION TY VI CLASS BT TL2	6.00	EACH		\$	
1020	20782NS714		PAVE MARKING THERMO-BIKE	52.00	EACH		\$	
1030	21804ES		3-SIDED CULVERT LS PRECAST CONC ARCH CULVERT 90' - 42'X10'	1.00	LS		\$	
1040	21804ES		3-SIDED CULVERT LS PRECAST CONC ARCH CULVERT 96' - 16'X8'	1.00	LS		\$	
1050	22000ED		WOOD PLANK FENCE	6,203.00	LF		\$	
1060	23158ES505		DETECTABLE WARNINGS	360.00	SQFT		\$	
1070	23270ES717		PAVE MARK TY 1 TAPE-CURV ARROW	3.00	EACH		\$	
1080	23274EN11F		TURF REINFORCEMENT MAT 1	999.00	SQYD		\$	
1090	23538EC		PEDESTRIAN RAIL	345.00	LF		\$	
1100	23721NN		LANDSCAPING	1.00	LS		\$	
1110	24386EC		PAVE MARKING THERMO-BIKE LANE ARROW	52.00	EACH		\$	

Section: 0003 - BRIDGE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1120	02220		FLOWABLE FILL	247.00	CUYD		\$	
1130	02231		STRUCTURE GRANULAR BACKFILL	65.00	CUYD		\$	
1140	02998		MASONRY COATING	2,406.00	SQYD		\$	
1150	03299		ARMORED EDGE FOR CONCRETE	208.20	LF		\$	
1160	04797		CONDUIT-3 IN	676.00	LF		\$	
1170	04810		ELECTRICAL JUNCTION BOX	3.00	EACH		\$	
1180	08001		STRUCTURE EXCAVATION-COMMON	785.00	CUYD		\$	
1190	08020		CRUSHED AGGREGATE SLOPE PROT	646.00	TON		\$	
1200	08033		TEST PILES	55.00	LF		\$	
1210	08046		PILES-STEEL HP12X53	668.00	LF		\$	
1220	08094		PILE POINTS-12 IN	33.00	EACH		\$	
1230	08100		CONCRETE-CLASS A	396.60	CUYD		\$	
1240	08104		CONCRETE-CLASS AA	957.90	CUYD		\$	
1250	08130		MECHANICAL REINF COUPLER #5	32.00	EACH		\$	
1260	08132		MECHANICAL REINF COUPLER #7	16.00	EACH		\$	
1270	08134		MECHANICAL REINF COUPLER #9	66.00	EACH		\$	
1280	08140		MECHANICAL REINF COUPLER #5 EPOXY COATED	16.00	EACH		\$	
1290	08150		STEEL REINFORCEMENT	80,953.00	LB		\$	
1300	08151		STEEL REINFORCEMENT-EPOXY COATED	270,977.00	LB		\$	
1310	08500		APPROACH SLAB	456.00	SQYD		\$	

PROPOSAL BID ITEMS

REVISED ADDENDUM #2: 9-23-15

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1320	08634		PRECAST PC I BEAM TYPE 4	3,544.00	LF		\$	
1330	08710		BRIDGE CHAIN LINK FENCE-4 FT	65.00	LF		\$	
1331	08713		BRIDGE CHAIN LINK FENCE-9 FT (ADDED: 9-23-15)	644.00	LF		\$	
1340	20391NS835		ELECTRICAL JUNCTION BOX TYPE A	4.00	EACH		\$	
1350	20637ED		DRILLED SHAFT-ROCK 48 IN	150.00	LF		\$	
1360	20745ED		ROCK SOUNDINGS (REVISED: 9-23-15)	216.00	LF		\$	
1361	20746ED		ROCK CORINGS (ADDED: 9-23-15)	366.00	LF		\$	
1370	21532ED		RAIL SYSTEM TYPE III	652.00	LF		\$	
1380	22417EN		DRILLED SHAFT-54 IN-COMMON	87.00	LF		\$	
1390	23813EC		DECK DRAIN	12.00	EACH		\$	

Section: 0004 - SIGNALIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1400	04793		CONDUIT-1 1/4 IN	150.00	LF		\$	
1410	04795		CONDUIT-2 IN	160.00	LF		\$	
1420	04820		TRENCHING AND BACKFILLING	310.00	LF		\$	
1430	04845		CABLE-NO. 14/7C	3,517.00	LF		\$	
1440	04885		MESSENGER-10800 LB	1,350.00	LF		\$	
1450	04932		INSTALL STEEL STRAIN POLE	8.00	EACH		\$	
1460	04950		REMOVE SIGNAL EQUIPMENT	1.00	EACH		\$	
1470	20093NS835		INSTALL PEDESTRIAN HEAD-LED	10.00	EACH		\$	
1480	20094ES835		TEMP RELOCATION OF SIGNAL HEAD	40.00	EACH		\$	
1490	20188NS835		INSTALL LED SIGNAL-3 SECTION	20.00	EACH		\$	
1500	21743NN		INSTALL PEDESTRIAN DETECTOR	10.00	EACH		\$	
1510	23157EN		TRAFFIC SIGNAL POLE BASE	36.00	CUYD		\$	
1520	23206EC		INSTALL CONTROLLER CABINET	2.00	EACH		\$	
1530	23222EC		INSTALL SIGNAL PEDESTAL	7.00	EACH		\$	
1540	24365EC		RADAR PRESENCE DETECTOR TYPE A	12.00	EACH		\$	
1550	24555ED		SIGNAL CONTROLLER	2.00	EACH		\$	

Section: 0005 - LIGHTING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1560	04740		POLE BASE	83.00	EACH		\$	
1570	04795		CONDUIT-2 IN	13,334.00	LF		\$	
1571	04820		TRENCHING AND BACKFILLING (ADDED: 9-23-15)	12,744.00	LF		\$	
1572	21543EN		BORE AND JACK CONDUIT (ADDED: 9-23-15)	590.00	LF		\$	

Section: 0006 - TRAINEES

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
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PROPOSAL BID ITEMS

Page 5 of 5

Report Date 9/23/15

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1580	02742		TRAINEE PAYMENT REIMBURSEMENT 1 GROUP 2, 3 OR 4 OPERATOR	1,400.00	HOUR		\$	

Section: 0007 - DEMOBILIZATION AND/OR MOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1590	02568		MOBILIZATION	1.00	LS		\$	
1600	02569		DEMOBILIZATION	1.00	LS		\$	