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NO.	DESCRIPTION	DATE	BY
REVISIONS (OR CHANGE NOTICES)			
NEW MEXICO DEPARTMENT OF TRANSPORTATION I-40 98TH STREET TO COORS PROJECT INDEX OF SHEETS			

LIGHTING NOTES

1. WORKMANSHIP AND MATERIALS SHALL CONFORM TO THE CURRENT NEW MEXICO DEPARTMENT OF TRANSPORTATION'S (NMDOT) STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
2. LOCATIONS OF CONDUIT, FOUNDATIONS, PULL BOXES, AND CONTROL CABINETS SHOWN ON THE PLANS ARE SCHEMATIC AND SHALL BE ADJUSTED IN THE FIELD TO AVOID UTILITIES. WHERE SUBSTANTIAL ADJUSTMENT IS REQUIRED, A MEETING WITH THE PROJECT MANAGER SHALL OCCUR IN THE FIELD AT ALL LOCATIONS TO SPOT EQUIPMENT BEFORE BEGINNING THE WORK. ALL SUCH EQUIPMENT SHALL BE INSTALLED WITHIN THE RIGHT OF WAY. CONTRACTOR SHALL CONTACT DESIGNER IF ANY LIGHT POLE LOCATION REQUIRES ADJUSTMENT OF MORE THAN ONE FOOT.
3. LIGHTING STANDARDS SHALL HAVE A BREAKAWAY SYSTEM AND SHALL BE LOCATED ON 6:1 SLOPE OR FLATTER. BREAKAWAY SYSTEMS ARE NOT REQUIRED WHERE POLES ARE PROTECTED BY CONCRETE WALL BARRIER OR GUARDRAIL. BREAKAWAY SYSTEMS SHALL BE INCIDENTAL TO THE LIGHTING STANDARD.
4. ALL NEW ROADWAY LIGHTING CIRCUITS ON THIS PROJECT SHALL BE 240 VOLTS.
5. ALL NEW TYPE V 50-FOOT POLES ON THIS PROJECT SHALL BE STEEL.
6. REWIRING OF EXISTING LUMINAIRES TO REMAIN, TO BE REMOVED AND RESET, AND CONNECTIONS TO NEW CIRCUITS SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION.
7. ALL ROADWAY LUMINAIRES AND TYPE V STANDARDS WHICH ARE REMOVED SHALL BE SALVAGED AND DELIVERED TO THE NMDOT DISTRICT 3 YARD BY THE CONTRACTOR. THESE COSTS WILL BE MEASURED AND PAID UNDER CONTRACT ITEM 601000, REMOVAL OF STRUCTURES AND OBSTRUCTIONS, ACCORDING TO THE SPECIFIC NEEDS OF THIS PROJECT.
8. EACH TIME A ROADWAY LUMINAIRE IS TURNED ON OR OFF, COORDINATION SHALL OCCUR WITH THE FOLLOWING REPRESENTATIVES:

PUBLIC SERVICE COMPANY OF NEW MEXICO (PNM)
CITY OF ALBUQUERQUE
NMDOT DISTRICT 3 PROJECT MANAGER
9. POWER SHALL NEITHER BE TURNED ON NOR OFF UNTIL RESPONSIBLE PARTIES FOR EACH LIGHTING SYSTEM HAVE BEEN NOTIFIED.
10. RESPONSIBILITY AND MAINTENANCE OF LIGHTING SYSTEMS INSTALLED AS PART OF THIS PROJECT SHALL BE WITH THE CITY OF ALBUQUERQUE AND PNM. THE CONTRACTOR SHALL PROVIDE THE CITY OF ALBUQUERQUE AND PNM FIVE (5) WORKING DAYS NOTICE IN ADVANCE OF TURNING ON THE SYSTEM TO ALLOW THE CITY OF ALBUQUERQUE AND PNM TO INSPECT AND APPROVE THE SYSTEM BEFORE IT IS TURNED ON.
11. THE CONTRACTOR SHALL PAY FOR COSTS FOR PNM TO PROVIDE POWER SERVICE. THESE COSTS WILL BE MEASURED AND PAID UNDER CONTRACT ITEM 706350, POWER SERVICE INSTALLATION, ACCORDING TO THE SPECIFIC NEEDS OF THIS PROJECT.
12. ALL LIGHTING CONTROL CABINETS SHALL INCLUDE PHOTO ELECTRIC CELLS AND SHALL BE WHITE IN COLOR.

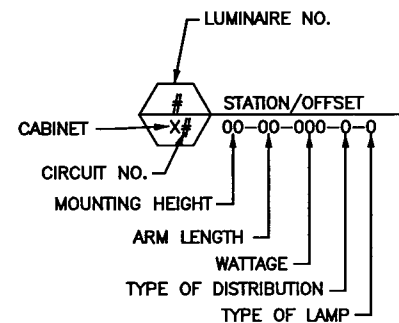
13. FOR ROADWAY TYPE V LUMINAIRES, FURNISH AND INSTALL 400 WATT TYPE III HIGH PRESSURE SODIUM, FULL CUTOFF FLAT GLASS LUMINAIRES WITHOUT INDIVIDUAL PHOTO CELLS TO CONFORM WITH THE NEW MEXICO NIGHT SKY PROTECTION ACT, AS INDICATED IN THE PLAN SHEETS.
14. THE CONTRACTOR SHALL ARRANGE A NIGHT INSPECTION OF THE LIGHTING SYSTEM WITH THE NMDOT PROJECT MANAGER AND PNM TO ENSURE COMPLIANCE WITH THE NEW MEXICO NIGHT SKY PROTECTION ACT AND PROPER LEVELING OF LUMINAIRE HEADS.
15. LIGHTING CONTROL CABINETS SHALL BE AS FOLLOWS:
A. 6 CIRCUIT, UNMETERED (CABINET H, CABINET N)
B. 2 CIRCUIT, UNMETERED (CABINET P, IF NEEDED)
16. EXISTING SERVICE RISERS, SERVICE POLES, CONTROL CABINETS, AND EXISTING WIRING SHALL BE REMOVED AS REQUIRED BY PNM AND AS DIRECTED BY THE PROJECT MANAGER.
17. LIGHTING STANDARDS SHALL BE LOCATED AS FOLLOWS AND AS SHOWN ON LIGHTING DETAILS SHEET 8-14:
A. ON FREEWAY SEGMENTS WITHOUT BARRIER, PLACE CENTER OF FOUNDATION 20' BACK FROM EDGE OF DRIVING LANE.
B. ON FREEWAY SEGMENTS WITH BARRIER, PLACE CENTER OF FOUNDATION 3' BACK FROM BARRIER.
C. ON RAMP ROADWAYS WITHOUT CURB AND GUTTER, PLACE CENTER OF FOUNDATION 12' BACK FROM EDGE OF DRIVING LANE.
18. PNM WILL ASSIST WITH IDENTIFICATION OF EXISTING CIRCUITS. TIE NEW CIRCUITS INTO EXISTING CIRCUITS AS REQUIRED. USE CAUTION WHEN INTERCEPTING EXISTING CIRCUITS.
19. LIGHTS NEAR EXISTING OVERHEAD TRANSMISSION LINES MUST MAINTAIN VERTICAL CLEARANCE AND HORIZONTAL CLEARANCE FROM THE CLOSEST PHASE CONDUCTOR. PNM WILL ASSIST IN MEASUREMENT AND DETERMINATION OF CLEARANCE.
20. ALL CONDUIT INSTALLED IN A TRENCH SHALL BE FLAGGED WITH RED CAUTION TAPE ONE FOOT ABOVE THE CONDUIT.
21. BUILD NEW RISER OR BRING EXISTING RISER UP TO COMPLIANCE WHEN CONSTRUCTING THE POWER SOURCE FOR THE LIGHTING SYSTEMS.

LIGHTING INCIDENTAL ITEMS

1. ANCHOR BOLTS FOR FOUNDATIONS.
2. GROUND RODS FOR FOUNDATIONS.
3. UNIVERSAL SUPPORT BRACKETS FOR SERVICE RISERS.
4. CONCRETE FOUNDATION FOR LIGHTING CONTROL CABINETS INCLUDING EXCAVATION, BACKFILL, CONCRETE, GROUND RODS, AND ANCHOR BOLTS.
5. BREAKAWAY SYSTEMS FOR LIGHTING STANDARDS.
6. SOLID BARE NO. 8 OR LARGER AWG COPPER CONDUCTOR IN NON-METALLIC CONDUIT.

LEGEND

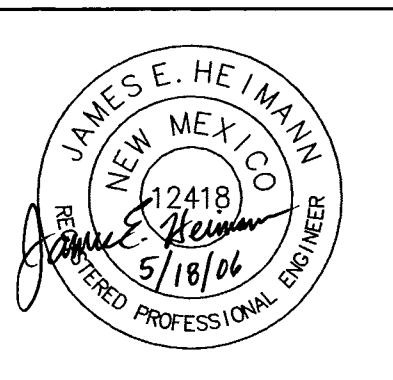
- EXISTING LIGHT POLE
- EXISTING HIGH MAST LIGHT POLE
- NEW LIGHT POLE
- EXISTING CONDUIT
- NEW CONDUIT
- NEW PULL BOX
- EXISTING SERVICE POLE
- NEW SERVICE POLE
- LIGHTING CONTROL CABINET
- (XXX') CENTER TO CENTER DISTANCE



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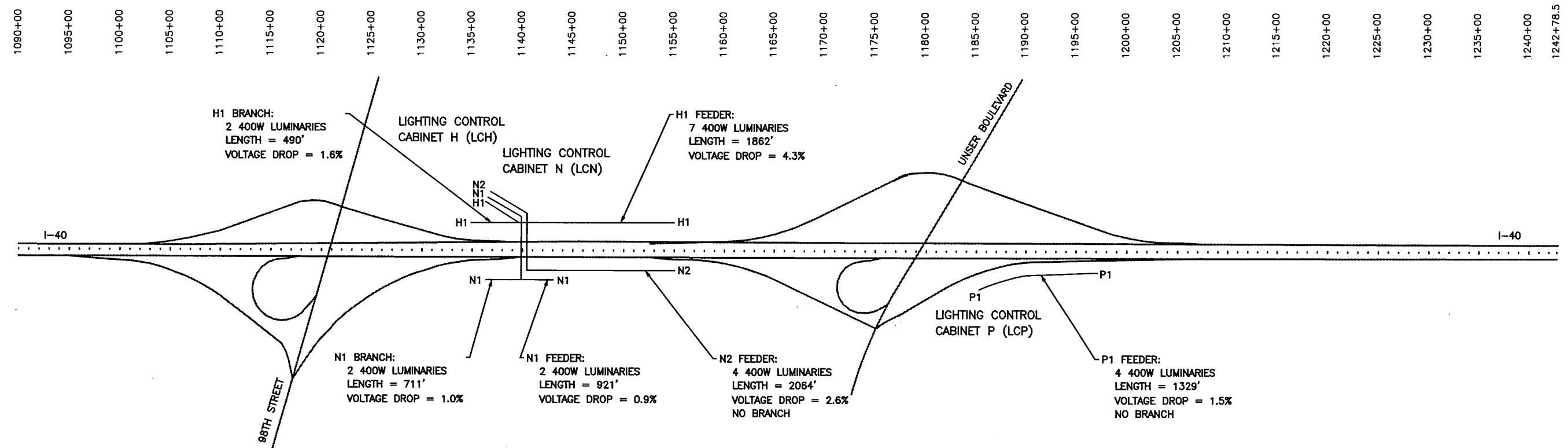
REVISIONS (OR CHANGE NOTICES)

NEW MEXICO DEPARTMENT
OF TRANSPORTATION
1-40 98TH STREET
TO COORS PROJECT
LIGHTING GENERAL NOTES





SCALE: N.T.S.



SCHEMATIC LIGHTING CIRCUIT DIAGRAM

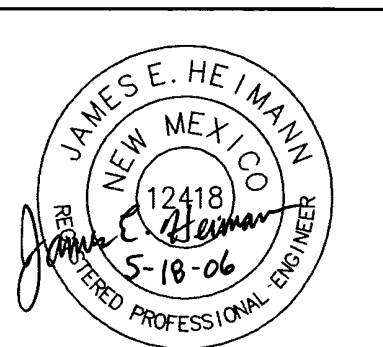


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REVISIONS (OR CHANGE NOTICES)

NEW MEXICO DEPARTMENT
OF TRANSPORTATION
I-40 98TH STREET
TO COORS PROJECT

LIGHTING CIRCUIT DIAGRAM



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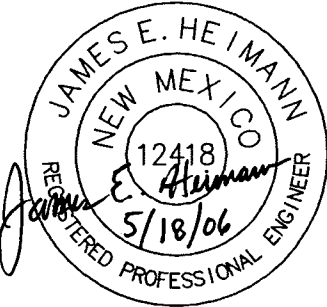
LIGHTING QUANTITIES				
NUMBER	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY	USE QUANTITY
511000	STRUCTURAL CONCRETE, CLASS A	CU. YD.	31.5	35
540060	REINFORCING BARS GRADE 60	LBS.	2919	3000
706110	SERVICE RISER (LIGHTING)	EACH	1	1
706350	POWER SERVICE INSTALLATION	L.S.	1	1
706405	LIGHTING CONTROL CABINET - SIX CIRCUIT UNMETERED	EACH	2	2
706420	LIGHTING CONTROL CABINET - TWO CIRCUIT UNMETERED	EACH	1	1
707550	TYPE V STANDARD, 50' (STEEL)	EACH	27	27
709020	RIGID ELECTRICAL CONDUIT 2" (DIA)	LIN. FT.	7469	7500
709030	RIGID ELECTRICAL CONDUIT 3" (DIA)	LIN. FT.	70	100
710000	ELECTRICAL PULL BOX (STANDARD)	EACH	8	8
710010	ELECTRICAL PULL BOX (LARGE)	EACH	3	3
711102	SINGLE CONDUCTOR 2	LIN. FT.	17185	17200
INCIDENTAL	SINGLE CONDUCTOR 8 (FOR INFORMATION ONLY)	LIN. FT.	7231	7250
716040	ROADWAY LUMINAIRE TYPE 400S	EACH	38	38

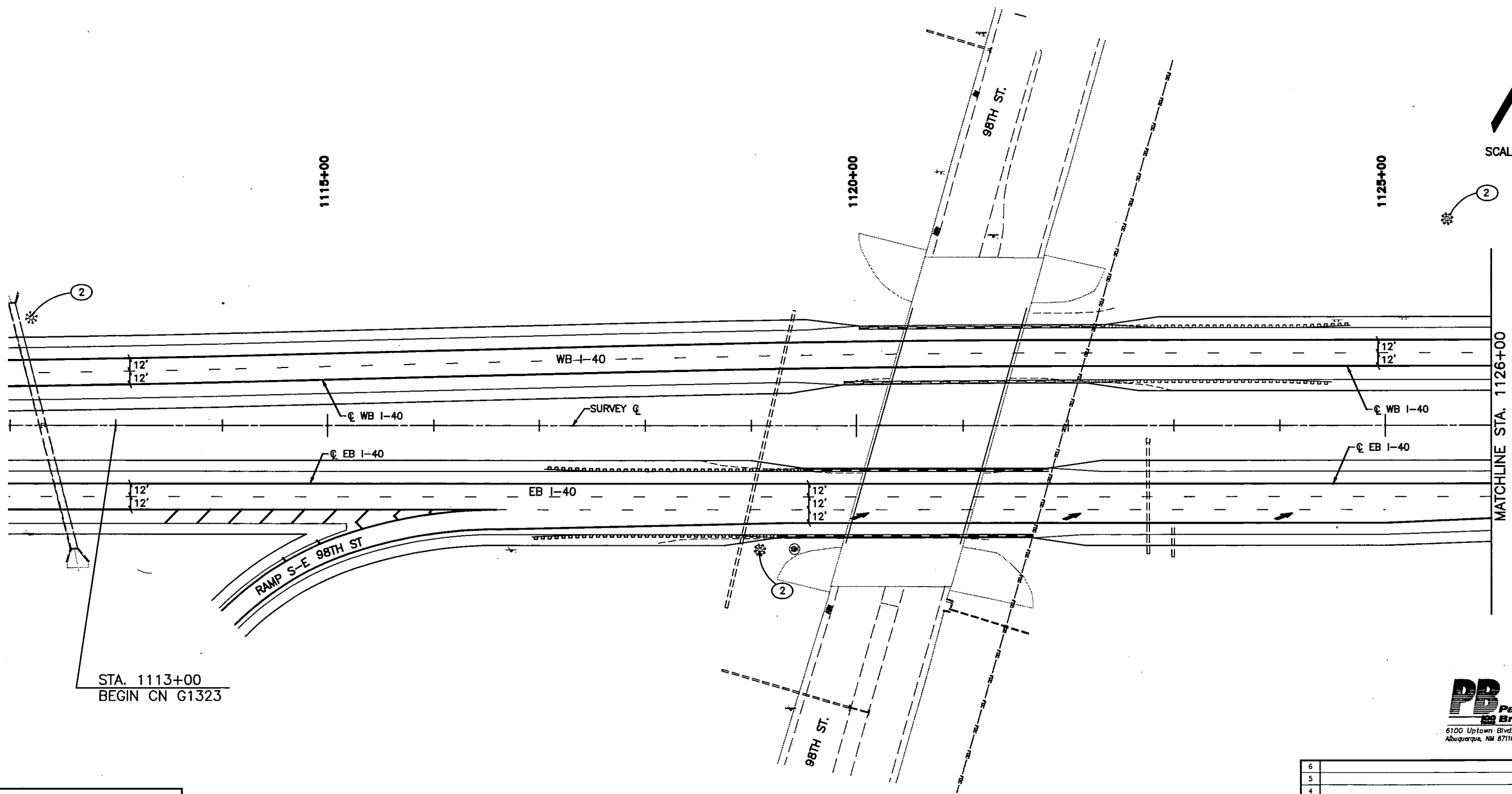
NOTES: ALL TYPE 400S LUMINAIRES ARE HIGH PRESSURE SODIUM, FULL CUT-OFF, TYPE 3 DISTRIBUTION.
GALVANIZED RIGID CONDUIT (GRC) CROSSING I-40 FROM PULL BOX #3 TO PULL BOX #6 AT STATION 1139+82 TO BE PAID UNDER ITEM NO. 709020, RIGID ELECTRICAL CONDUIT 2" (DIA).

CONDUIT AND CONDUCTOR REQUIREMENTS					
CONDUIT LENGTH, SIZE, AND TYPE			CONDUIT FILL BY CONDUCTOR LENGTH AND TYPE		
RUN ID	SIZE/LENGTH		TYPE	SCC #2	SCC #8 **
	2"	3"		(# @ FT)	(# @ FT)
CABINET H (SHEET 8-5)					
SERVICE TO LCH*		20'	REC	3 @ 25'	
LCH TO PB1 (LARGE)	90'		REC	2 @ 17'	1 @ 17'
PB1 (LARGE) TO PB3	387'		REC	2 @ 389'	1 @ 389'
PB3 TO L16	225'		REC	2 @ 230'	1 @ 230'
L16 TO L17	296'		REC	2 @ 301'	1 @ 301'
PB3 TO L15	81'		REC	2 @ 86'	1 @ 86'
L15 TO L14	296'		REC	2 @ 301'	1 @ 301'
L14 TO L13	295'		REC	2 @ 300'	1 @ 300'
L13 TO L12	277'		REC	2 @ 282'	1 @ 282'
L12 TO L11	300'		REC	2 @ 305'	1 @ 305'
L11 TO L10	308'		REC	2 @ 313'	1 @ 313'
L10 TO PB4	258'		REC	2 @ 260'	1 @ 260'
PB4 TO PB5	257'		REC	2 @ 259'	1 @ 259'
PB5 TO L9	266'		REC	2 @ 271'	1 @ 271'
CABINET N (SHEET 8-5)					
SERVICE TO LCN*		30'	REC	3 @ 35'	
LCN TO PB2 (LARGE)	90'		REC	4 @ 17'	2 @ 17'
PB2 (LARGE) TO PB3	365'		REC	4 @ 367'	1 @ 367'
PB3 TO PB6	244'		GRC	4 @ 246'	
CIRCUIT N1					
PB6 TO L2	200'		REC	2 @ 202'	1 @ 202'
L2 TO L1	315'		REC	2 @ 320'	1 @ 320'
PB6 TO PB7	82'		REC	2 @ 87'	1 @ 87'
PB7 TO L3	15'		REC	2 @ 20'	1 @ 20'
PB7 TO PB8	283'		REC	2 @ 288'	1 @ 288'
PB8 TO L4	15'		REC	2 @ 20'	1 @ 20'
CIRCUIT N2					
PB6 TO PB7	-	-	REC	2 @ 87'	
PB7 TO PB8	-	-	REC	2 @ 288'	
PB8 TO PB9	286'		REC	2 @ 291'	1 @ 291'
PB9 TO L5	23'		REC	2 @ 28'	1 @ 28'
L5 TO L6	307'		REC	2 @ 312'	1 @ 312'
L6 TO L7	295'		REC	2 @ 300'	1 @ 300'
L7 TO L8	300'		REC	2 @ 305'	1 @ 305'
CABINET P (SHEET 8-9)					
SERVICE TO LCP *		20'	REC	3 @ 25'	
LCP TO PB10 (LARGE)	30'		REC	2 @ 35'	1 @ 35'
PB10 (LARGE) TO PB11	66'		REC	2 @ 71'	1 @ 71'
PB11 TO L18	338'		REC	2 @ 343'	1 @ 343'
L18 TO L19	297'		REC	2 @ 302'	1 @ 302'
L19 TO L20	287'		REC	2 @ 292'	1 @ 292'
L20 TO L21	295'		REC	2 @ 300'	1 @ 300'
TOTAL	7469	70		17185	7231

NOTE: * LENGTH MAY VARY DUE TO FINAL LOCATION OF SERVICE AND CABINET.
CONTRACTOR TO BE PAID FOR ACTUAL LENGTH USED.
** SCC #8 IS INCIDENTAL TO CONDUIT.

LIST OF ABBREVIATIONS
LCH = LIGHTING CONTROL CABINET H
PB = PULL BOX
L = LIGHT POLE
SCC = SINGLE CONDUCTOR CABLE
REC = RIGID ELECTRICAL CONDUIT
GRC = GALVANIZED RIGID CONDUIT





STA. 1113+00
BEGIN CN G1323

SCALE: 1"=100'

MATCHLINE STA. 1126+00

PB Parsons Brinckerhoff
6100 Uptown Blvd. NE - Suite 700
Albuquerque, NM 87110 - (505) 345-0465

KEYED NOTES:

- ① EXISTING TYPE V POLE TO REMAIN.
- ② EXISTING HIGH MAST POLE TO REMAIN.

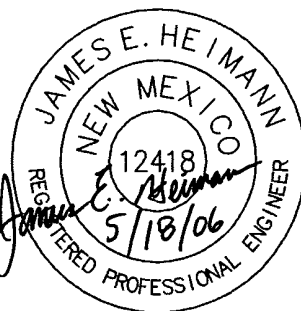
STATION REFERENCE NOTES

- 1) FOR LIGHT POLES ALONG EASTBOUND I-40, ON SOUTH SIDE, POLE OFFSETS ARE REFERENCED TO THE EB I-40 CONSTRUCTION CENTERLINE.
- 2) FOR LIGHT POLES ALONG WESTBOUND I-40, ON NORTH SIDE, POLE OFFSETS ARE REFERENCED TO THE WB I-40 CONSTRUCTION CENTERLINE.

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REVISIONS (OR CHANGE NOTICES)

NEW MEXICO DEPARTMENT
OF TRANSPORTATION
I-40 98TH STREET
TO COORS PROJECT
LIGHTING PLAN
I-40 B.O.P. TO 1126+00



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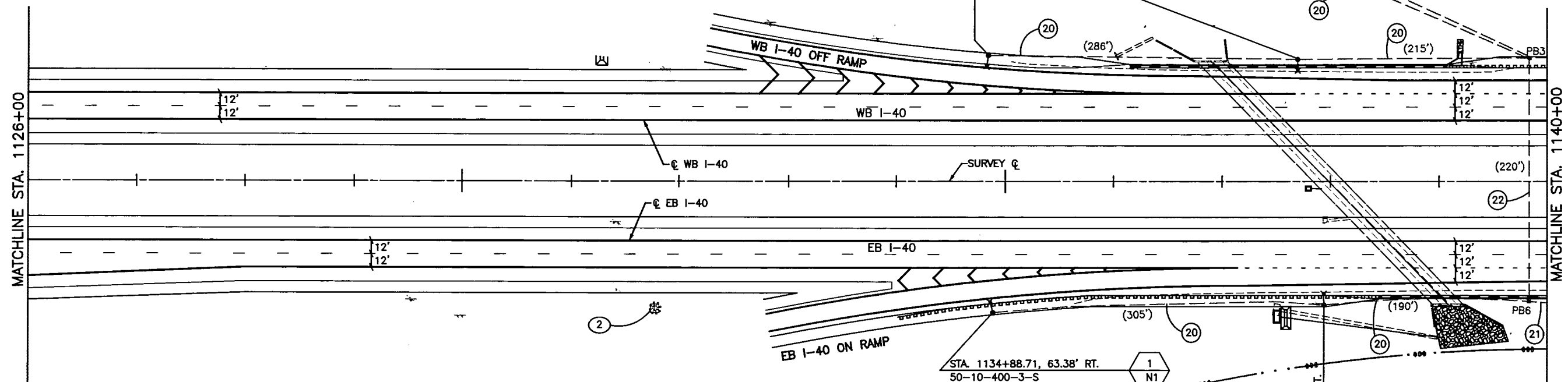
NOTE: CONTRACTOR SHALL PROVIDE A LABEL ON THE OUTSIDE AND INSIDE OF EACH LIGHTING CONTROL CABINET INDICATING THE CIRCUITS CONTROLLED WITHIN THE CABINET (I-40 NORTH SIDE; I-40 SOUTH SIDE).

NEW GROUND MOUNTED TRANSFORMER BASE BY PNM TO BE PLACED WITHIN I-40 RIGHT-OF-WAY

INSTALL NEW LIGHTING CONTROL CABINET H (LCH) STA 1136+32.48, OFF 219.90' LT. (Q WB I-40)

INSTALL NEW LIGHTING CONTROL CABINET N (LCN) STA 1136+40.33, OFF 219.50' LT. (Q WB I-40)

SCALE: 1"=100'



STATION REFERENCE NOTES

- 1) FOR LIGHT POLES ALONG EASTBOUND I-40, ON SOUTH SIDE, POLE OFFSETS ARE REFERENCED TO THE EB I-40 CONSTRUCTION CENTERLINE.
- 2) FOR LIGHT POLES ALONG WESTBOUND I-40, ON NORTH SIDE, POLE OFFSETS ARE REFERENCED TO THE WB I-40 CONSTRUCTION CENTERLINE.

KEYED NOTES:

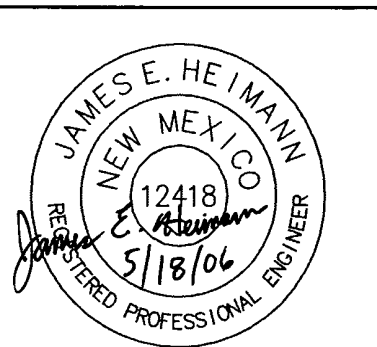
- 1) EXISTING TYPE V POLE TO REMAIN.
- 2) EXISTING HIGH MAST POLE TO REMAIN.
- 20) INSTALL NEW 2" PVC CONDUIT WITH 2 #2 CONDUCTORS AND 1 #8 BOND.
- 21) INSTALL NEW 2" PVC CONDUIT WITH 4 #2 CONDUCTORS AND 1 #8 BOND.
- 22) INSTALL NEW 2" GRC CONDUIT WITH 4 #2 CONDUCTORS.
- 30) INSTALL NEW 3" PVC CONDUIT WITH 3 #2 SERVICE CONDUCTORS.

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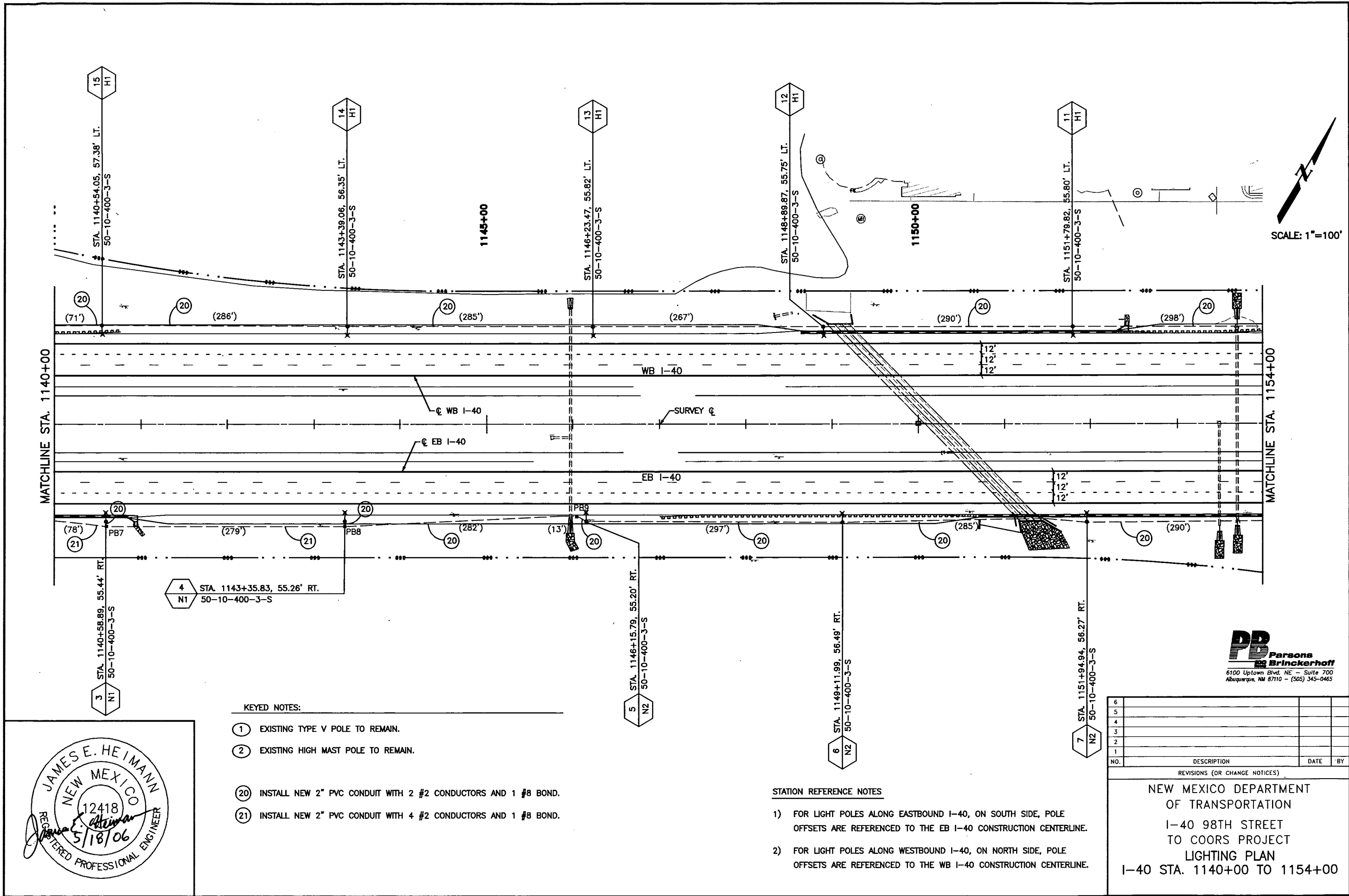
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REVISIONS (OR CHANGE NOTICES)

NEW MEXICO DEPARTMENT
OF TRANSPORTATION
I-40 98TH STREET
TO COORS PROJECT
LIGHTING PLAN
I-40 STA. 1126+00 TO 1140+00

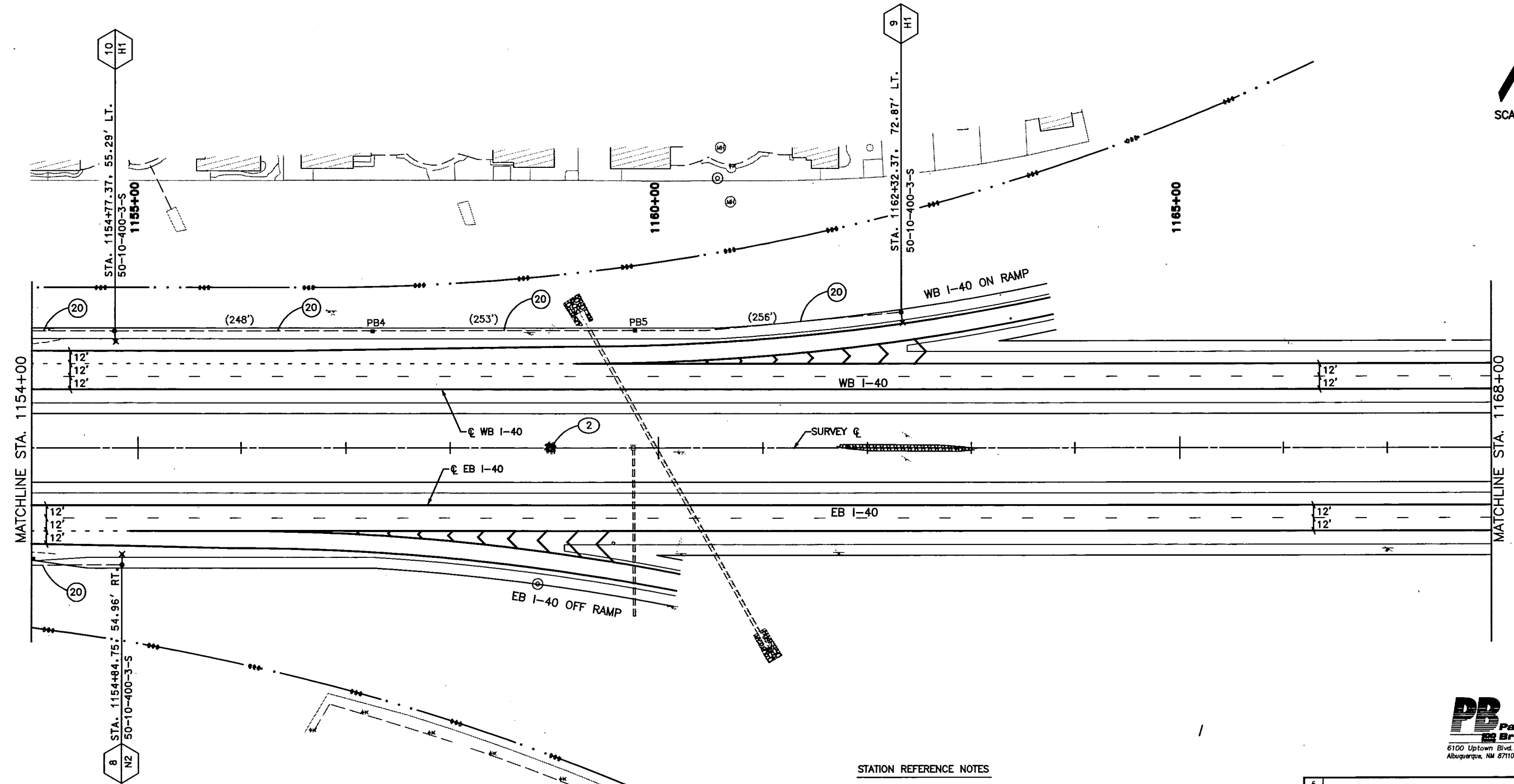


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g13231140

SCALE: 1"=100'



STATION REFERENCE NOTES

- 1) FOR LIGHT POLES ALONG EASTBOUND I-40, ON SOUTH SIDE, POLE OFFSETS ARE REFERENCED TO THE EB I-40 CONSTRUCTION CENTERLINE.
- 2) FOR LIGHT POLES ALONG WESTBOUND I-40, ON NORTH SIDE, POLE OFFSETS ARE REFERENCED TO THE WB I-40 CONSTRUCTION CENTERLINE.

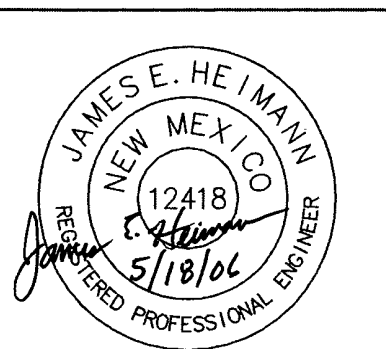
KEYED NOTES:

- 1) EXISTING TYPE V POLE TO REMAIN.
- 2) EXISTING HIGH MAST POLE TO REMAIN.
- 20) INSTALL NEW 2" PVC CONDUIT WITH 2 #2 CONDUCTORS AND 1 #8 BOND.

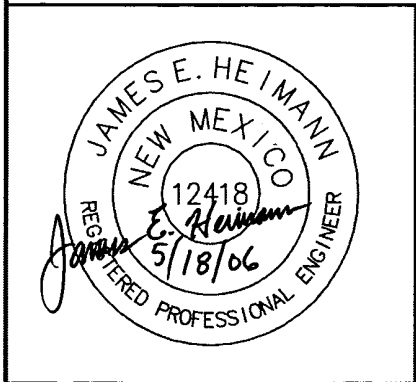
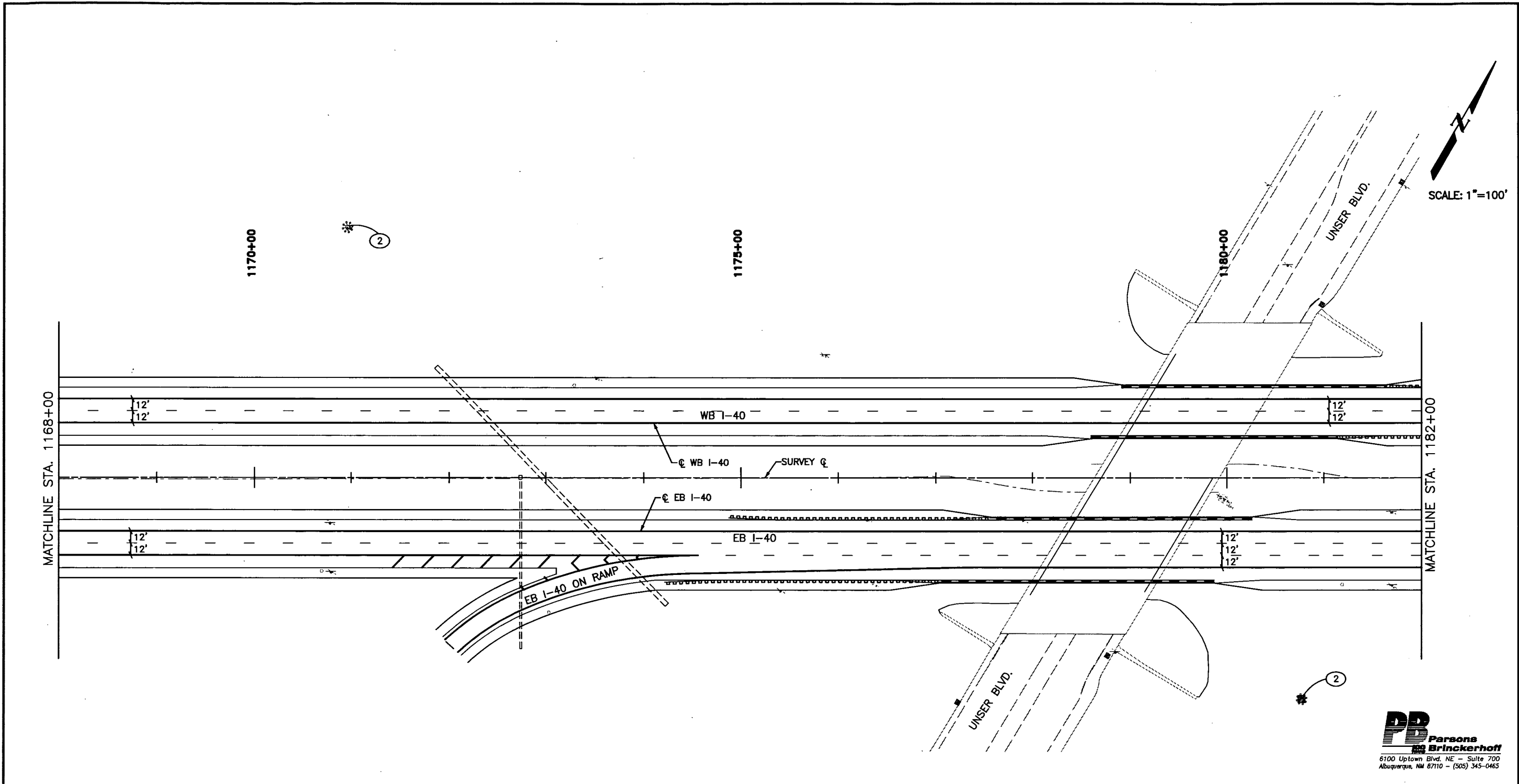
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NEW MEXICO DEPARTMENT
OF TRANSPORTATION
I-40 98TH STREET
TO COORS PROJECT
LIGHTING PLAN
I-40 STA. 1154+00 TO 1168+00



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- KEYED NOTES:
- ① EXISTING TYPE V POLE TO REMAIN.
 - ② EXISTING HIGH MAST POLE TO REMAIN.

- STATION REFERENCE NOTES
- 1) FOR LIGHT POLES ALONG EASTBOUND I-40, ON SOUTH SIDE, POLE OFFSETS ARE REFERENCED TO THE EB I-40 CONSTRUCTION CENTERLINE.
 - 2) FOR LIGHT POLES ALONG WESTBOUND I-40, ON NORTH SIDE, POLE OFFSETS ARE REFERENCED TO THE WB I-40 CONSTRUCTION CENTERLINE.

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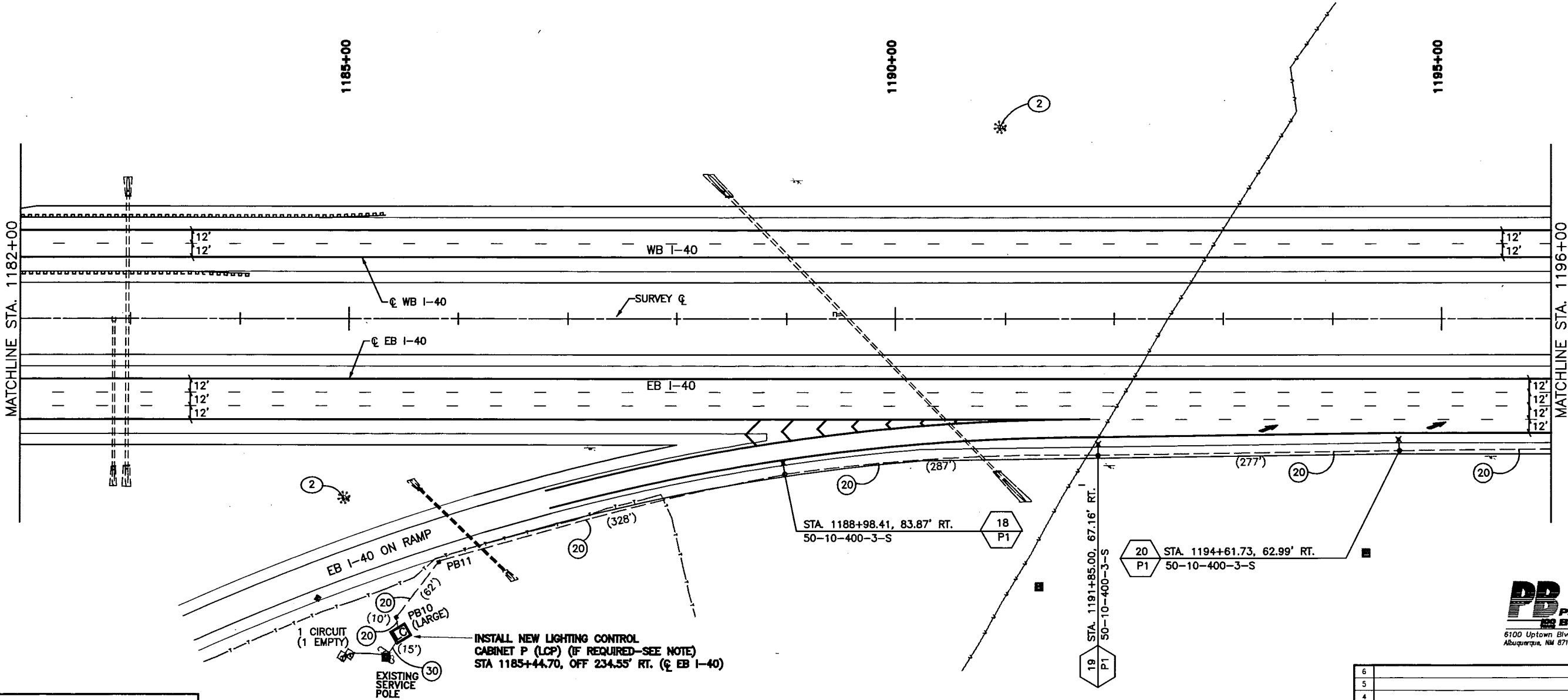
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REVISIONS (OR CHANGE NOTICES)			
NEW MEXICO DEPARTMENT OF TRANSPORTATION			
I-40 98TH STREET TO COORS PROJECT			
LIGHTING PLAN			
I-40 STA. 1168+00 TO 1182+00			

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STATION REFERENCE NOTES

- 1) FOR LIGHT POLES ALONG EASTBOUND I-40, ON SOUTH SIDE, POLE OFFSETS ARE REFERENCED TO THE EB I-40 CONSTRUCTION CENTERLINE.
- 2) FOR LIGHT POLES ALONG WESTBOUND I-40, ON NORTH SIDE, POLE OFFSETS ARE REFERENCED TO THE WB I-40 CONSTRUCTION CENTERLINE.

SCALE: 1"=100'



NOTE: CONTRACTOR SHALL FIELD VERIFY WITH NMDOT PROJECT MANAGER AND PNM IF ANY SPARE CIRCUITS ARE AVAILABLE IN THE EXISTING LIGHTING CONTROL CABINET. USE SPARE CIRCUIT IF AVAILABLE. IF NEW LIGHTING CONTROL CABINET IS REQUIRED, INSTALL NEW SERVICE RISER ON THE EXISTING SERVICE POLE.

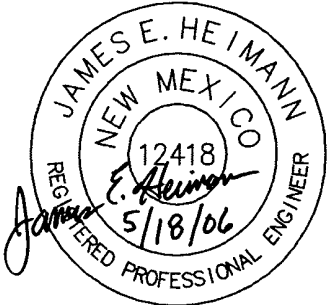
KEYED NOTES:

- ① EXISTING TYPE V POLE TO REMAIN.
- ② EXISTING HIGH MAST POLE TO REMAIN.
- ②① INSTALL NEW 2" PVC CONDUIT WITH 2 #2 CONDUCTORS AND 1 #8 BOND.
- ③① INSTALL NEW 3" PVC CONDUIT WITH 3 #2 SERVICE CONDUCTORS.

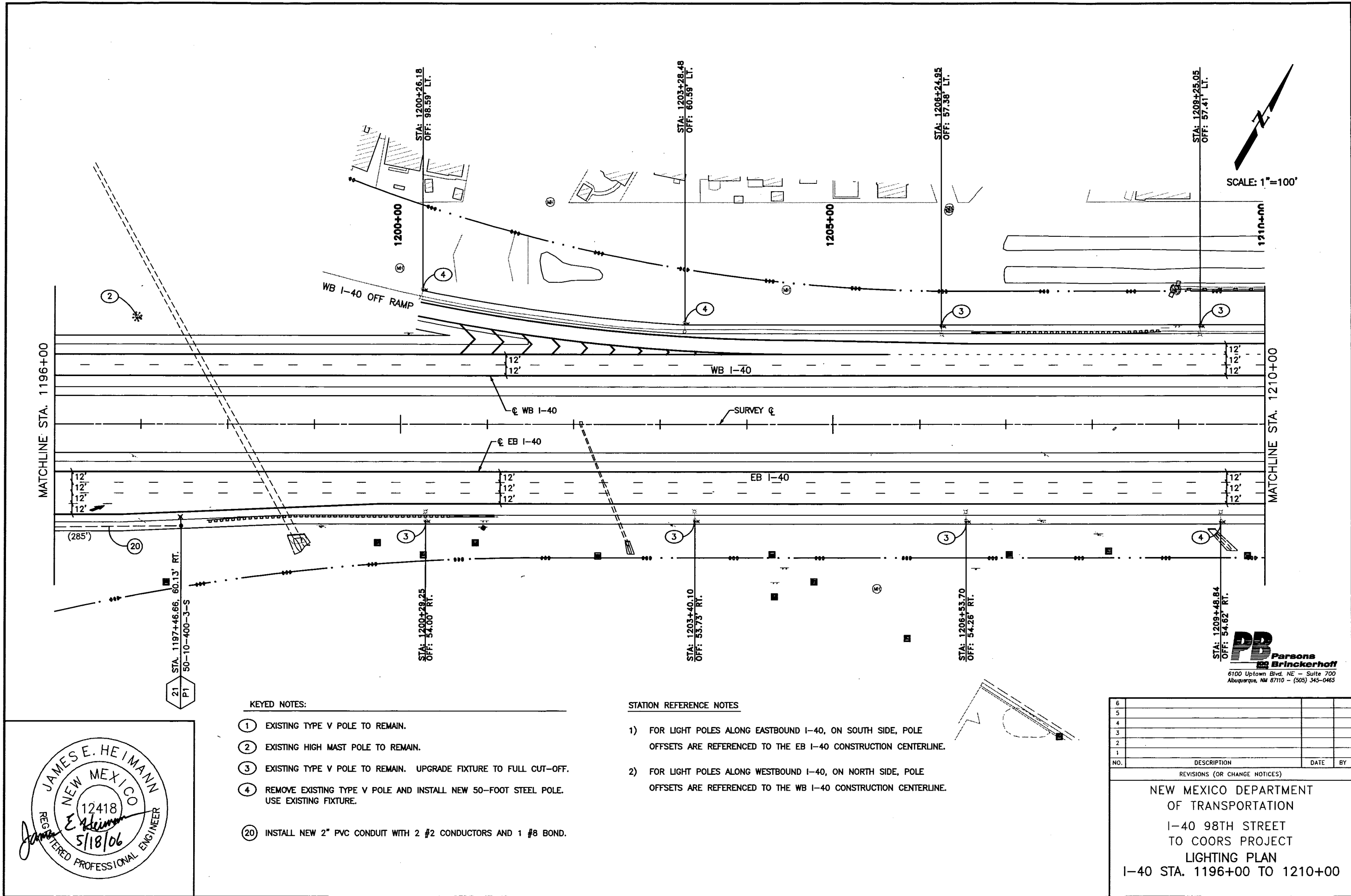
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NEW MEXICO DEPARTMENT
OF TRANSPORTATION
I-40 98TH STREET
TO COORS PROJECT
LIGHTING PLAN
I-40 STA. 1182+00 TO 1196+00

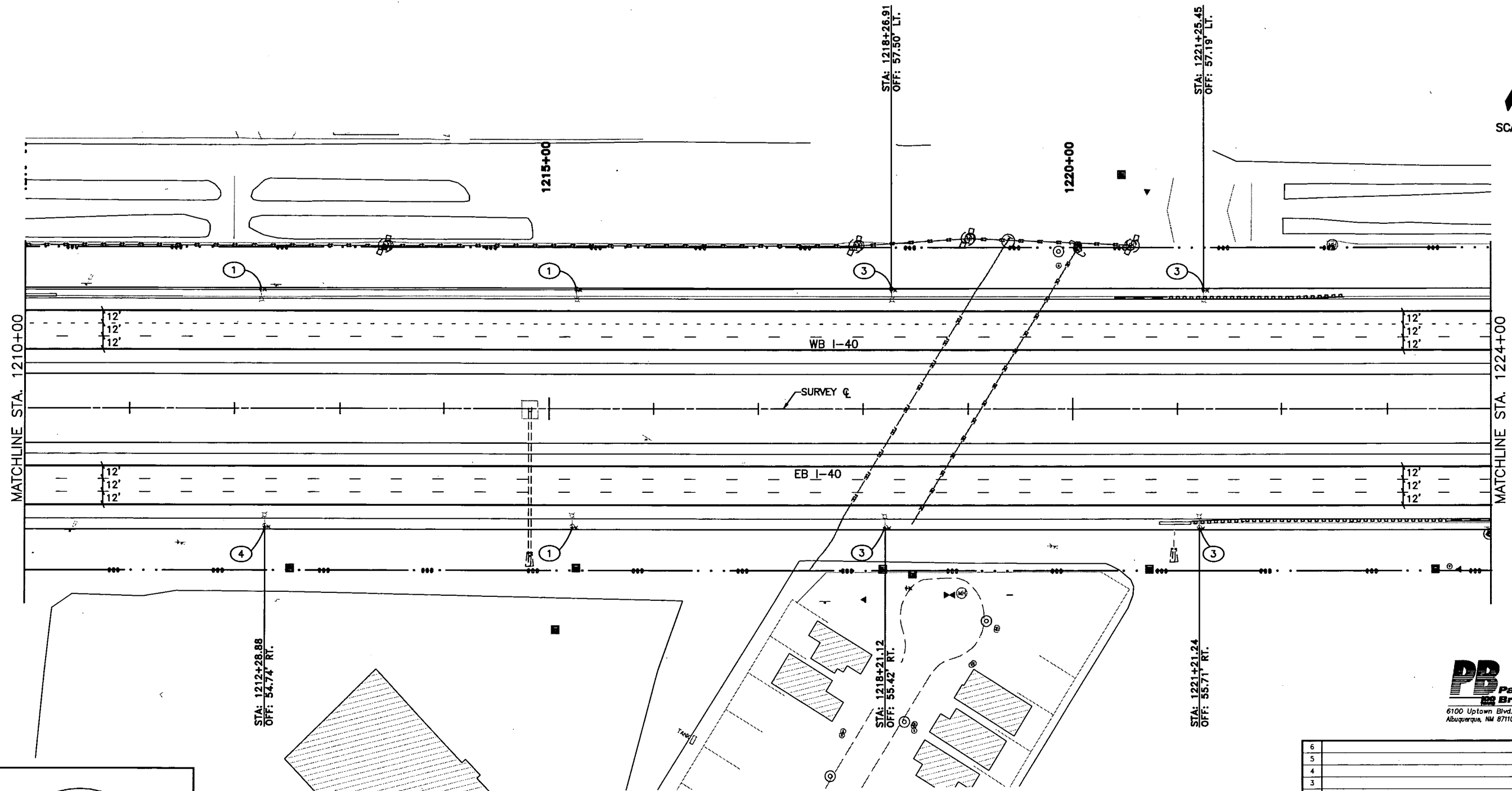


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SCALE: 1"=100'



KEYED NOTES:

- 1) EXISTING TYPE V POLE TO REMAIN.
- 2) EXISTING HIGH MAST POLE TO REMAIN.
- 3) EXISTING TYPE V POLE TO REMAIN. UPGRADE FIXTURE TO FULL CUT-OFF.
- 4) REMOVE EXISTING TYPE V POLE AND INSTALL NEW 50-FOOT STEEL POLE. USE EXISTING FIXTURE.

STATION REFERENCE NOTES

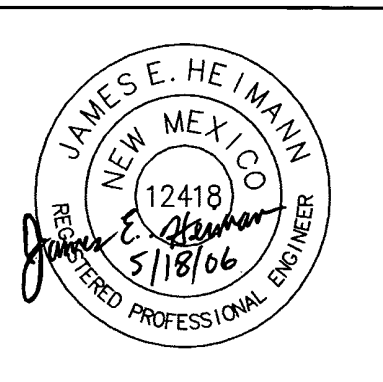
- 1) FOR LIGHT POLES ALONG EASTBOUND I-40, ON SOUTH SIDE, POLE OFFSETS ARE REFERENCED TO THE EB I-40 CONSTRUCTION CENTERLINE.
- 2) FOR LIGHT POLES ALONG WESTBOUND I-40, ON NORTH SIDE, POLE OFFSETS ARE REFERENCED TO THE WB I-40 CONSTRUCTION CENTERLINE.

PB Parsons
Brinckerhoff
6100 Uptown Blvd. NE - Suite 700
Albuquerque, NM 87110 - (505) 345-0465

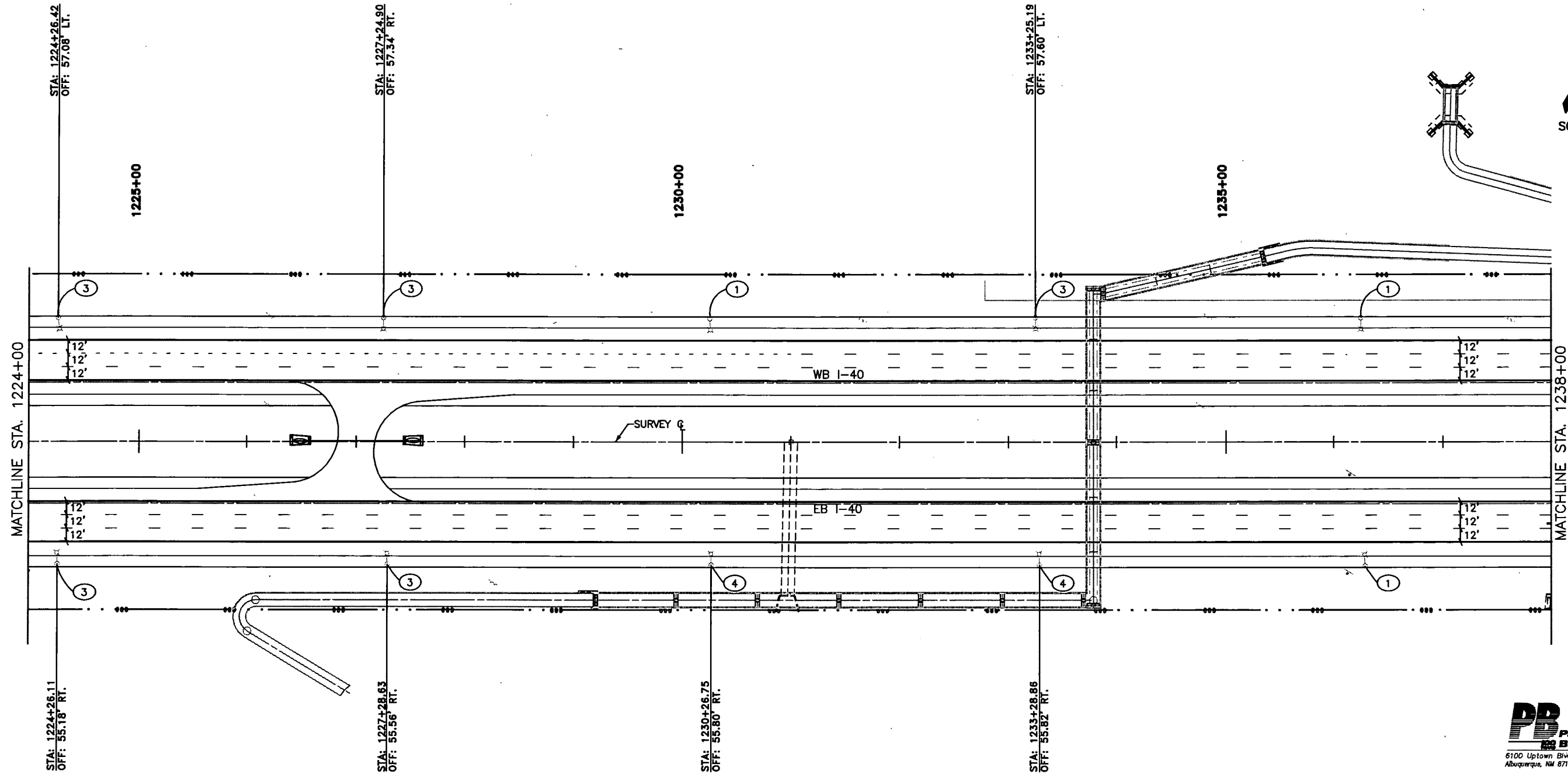
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NO.	DESCRIPTION	DATE	BY

REVISIONS (OR CHANGE NOTICES)

NEW MEXICO DEPARTMENT
OF TRANSPORTATION
I-40 98TH STREET
TO COORS PROJECT
LIGHTING PLAN
I-40 STA 1210+00 TO 1224+00



g13231145



SCALE: 1"=100'

PB Parsons Brinckerhoff
6100 Uptown Blvd, NE - Suite 700
Albuquerque, NM 87110 - (505) 345-0465

KEYED NOTES:

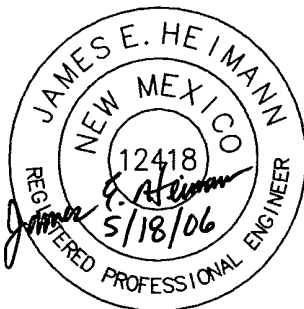
- 1) EXISTING TYPE V POLE TO REMAIN.
- 2) EXISTING HIGH MAST POLE TO REMAIN.
- 3) EXISTING TYPE V POLE TO REMAIN. UPGRADE FIXTURE TO FULL CUT-OFF.
- 4) REMOVE EXISTING TYPE V POLE AND INSTALL NEW 50-FOOT STEEL POLE. USE EXISTING FIXTURE.

STATION REFERENCE NOTES

- 1) FOR LIGHT POLES ALONG EASTBOUND I-40, ON SOUTH SIDE, POLE OFFSETS ARE REFERENCED TO THE EB I-40 CONSTRUCTION CENTERLINE.
- 2) FOR LIGHT POLES ALONG WESTBOUND I-40, ON NORTH SIDE, POLE OFFSETS ARE REFERENCED TO THE WB I-40 CONSTRUCTION CENTERLINE.

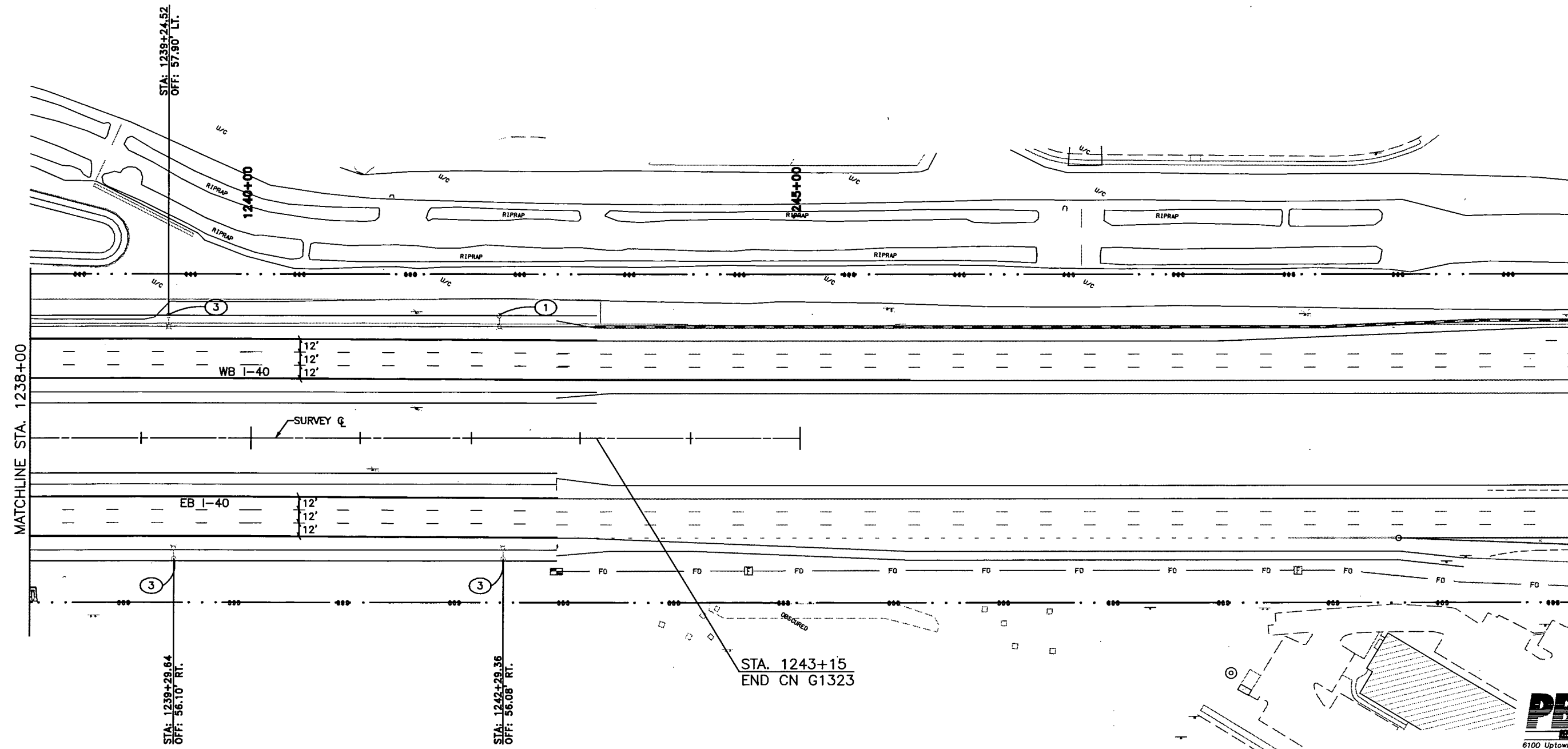
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REVISIONS (OR CHANGE NOTICES)			

NEW MEXICO DEPARTMENT
OF TRANSPORTATION
I-40 98TH STREET
TO COORS PROJECT
LIGHTING PLAN
I-40 STA. 1224+00 TO 1238+00



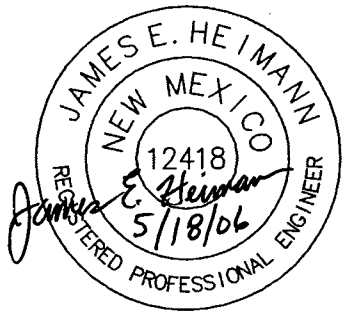
g13231146

SCALE: 1"=100'



STA. 1243+15
END CN G1323

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6100 Uptown Blvd, NE - Suite 700
Albuquerque, NM 87110 - (505) 345-0465



KEYED NOTES:

- ① EXISTING TYPE V POLE TO REMAIN.
- ② EXISTING HIGH MAST POLE TO REMAIN.
- ③ EXISTING TYPE V POLE TO REMAIN. UPGRADE FIXTURE TO FULL CUT-OFF.
- ④ REMOVE EXISTING TYPE V POLE AND INSTALL NEW 50-FOOT STEEL POLE. USE EXISTING FIXTURE.

STATION REFERENCE NOTES

- 1) FOR LIGHT POLES ALONG EASTBOUND I-40, ON SOUTH SIDE, POLE OFFSETS ARE REFERENCED TO THE EB I-40 CONSTRUCTION CENTERLINE.
- 2) FOR LIGHT POLES ALONG WESTBOUND I-40, ON NORTH SIDE, POLE OFFSETS ARE REFERENCED TO THE WB I-40 CONSTRUCTION CENTERLINE.

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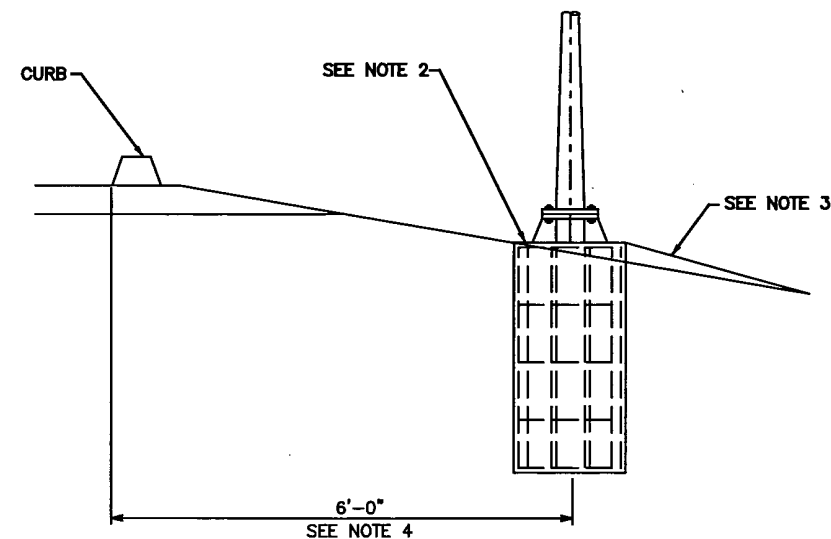
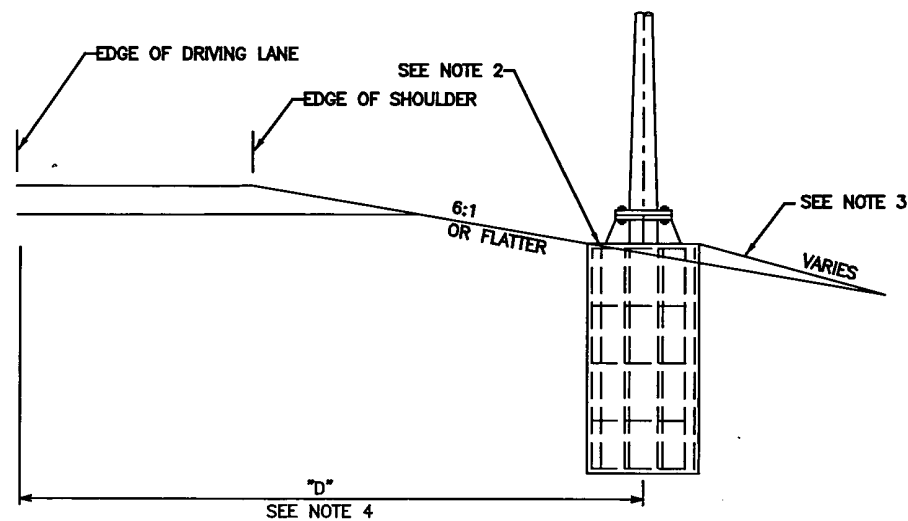
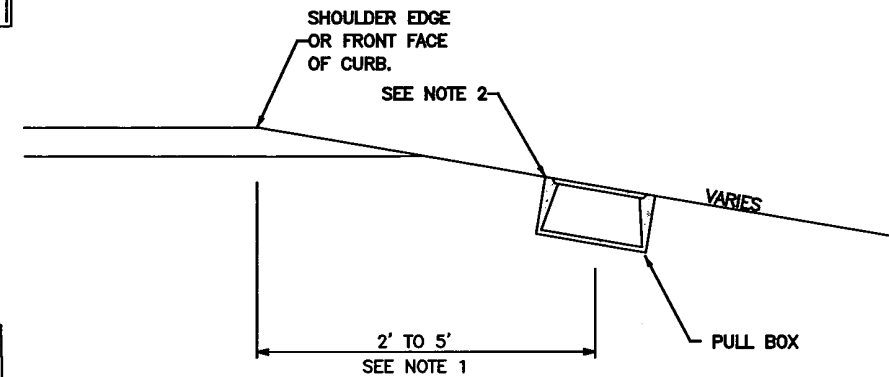
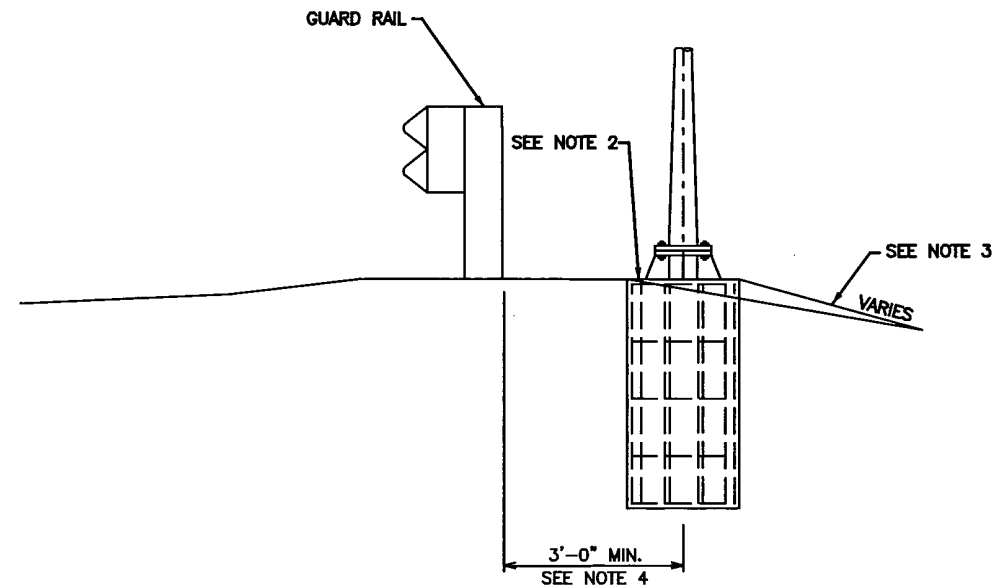
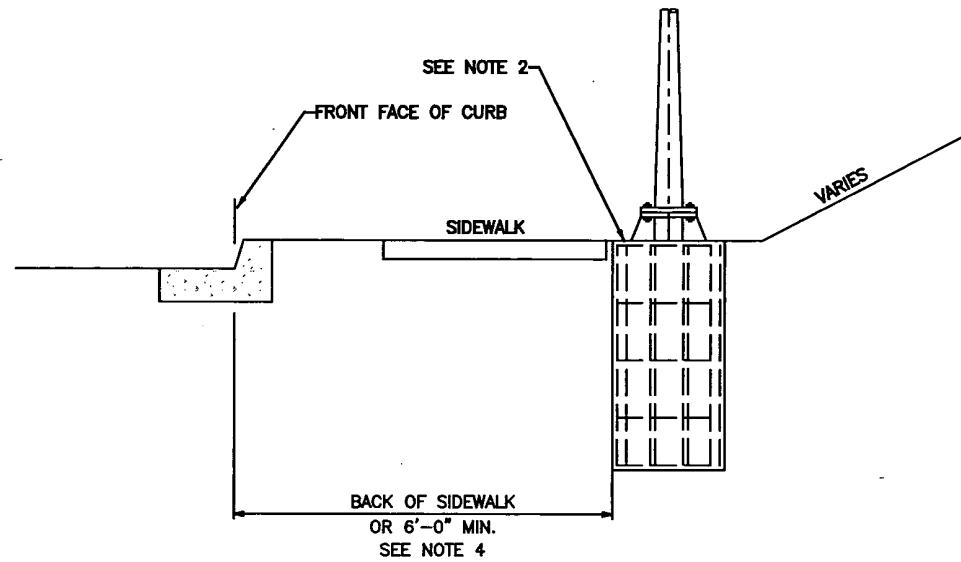
REVISIONS (OR CHANGE NOTICES)

NEW MEXICO DEPARTMENT
OF TRANSPORTATION
I-40 98TH STREET
TO COORS PROJECT
LIGHTING PLAN
I-40 STA. 1238+00 TO E.O.P.

g13231147

NOTES:

1. DIMENSIONS FOR PULL BOX LOCATIONS ARE MINIMUM REQUIREMENTS AND MAY BE VARIED TO SUIT CONDITIONS AS DIRECTED BY THE PROJECT MANAGER.
2. THE TOP OF POLE FOUNDATIONS SHALL BE FLUSH WITH THE FINISHED GRADE. PULL BOXES SHALL BE SET TO MATCH THE EXISTING SLOPE.
3. FILL AROUND POLE FOUNDATIONS A MINIMUM OF 10' ON THREE SIDES WITH TOPSOIL OR AS DIRECTED BY THE PROJECT MANAGER.
4. POLE OFFSET SHALL COMPLY WITH THE ROADSIDE DESIGN GUIDE, CURRENT VERSION. SEE PLANS FOR ACTUAL OFFSET.



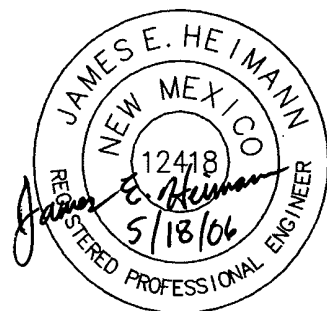
"D" MAINLINE - 15' MIN., 20' TYPICAL
"D" RAMP - 10' MIN., 12' TYPICAL

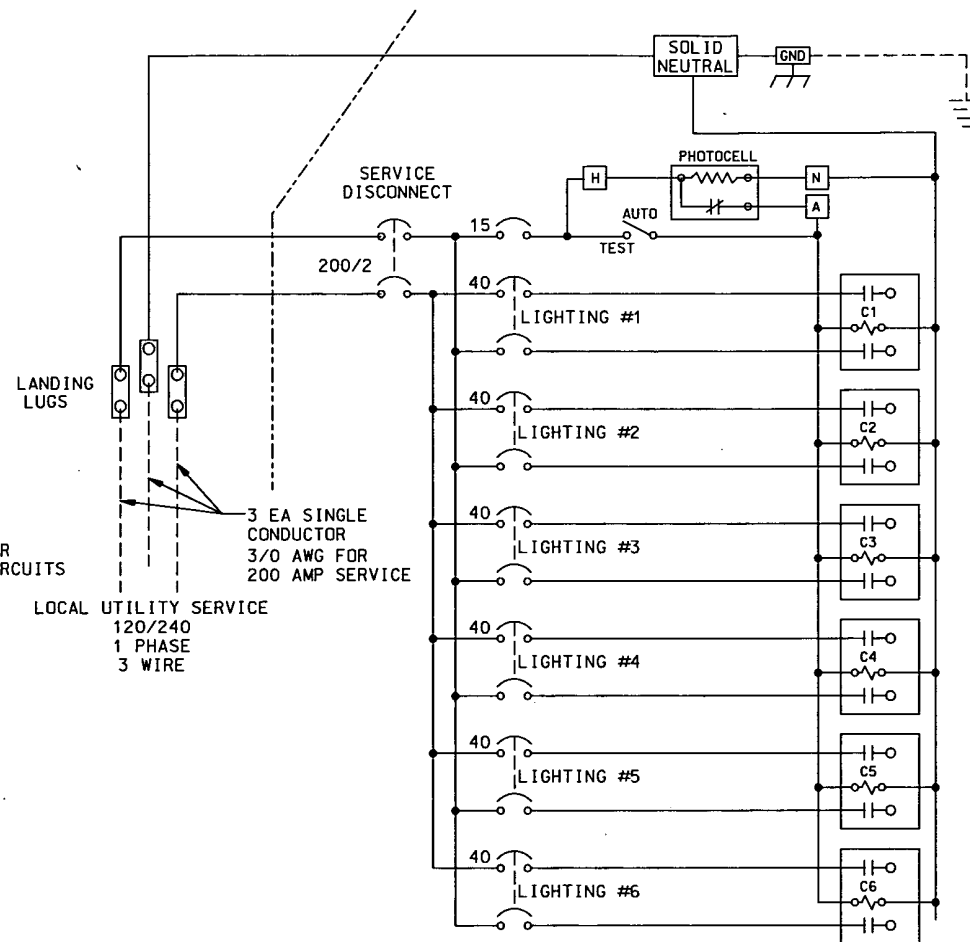
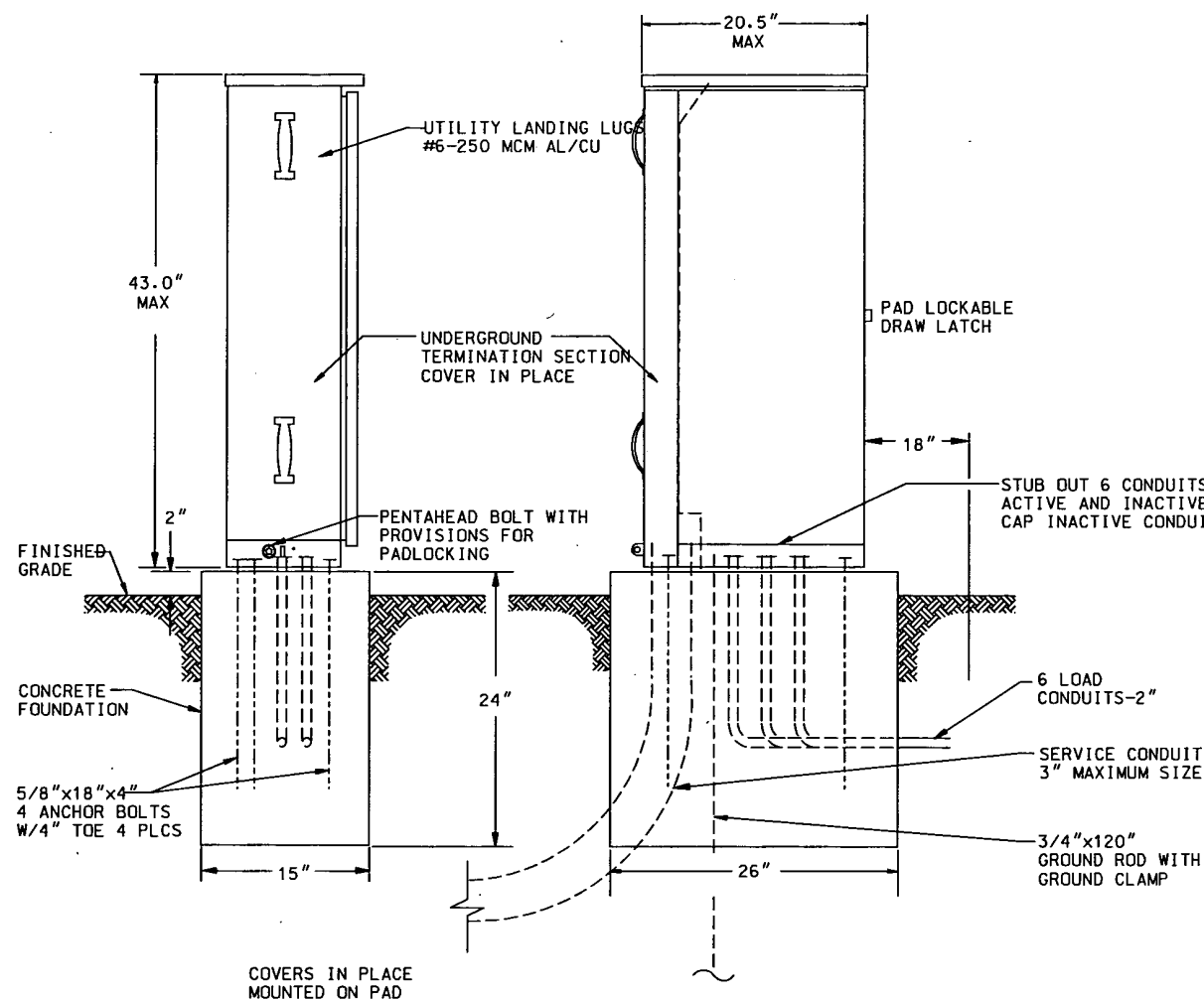
Parsons Brinckerhoff
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Albuquerque, NM 87110 - (505) 345-0465

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REVISIONS (OR CHANGE NOTICES)

NEW MEXICO DEPARTMENT
OF TRANSPORTATION
I-40 98TH STREET
TO COORS PROJECT
LIGHTING DETAILS
LIGHTING STANDARD OFFSETS

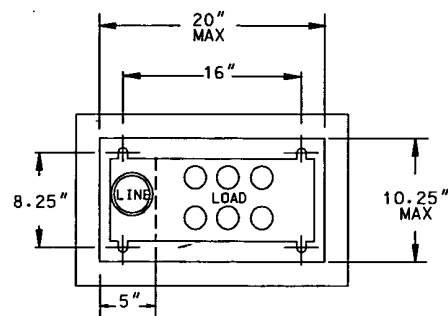




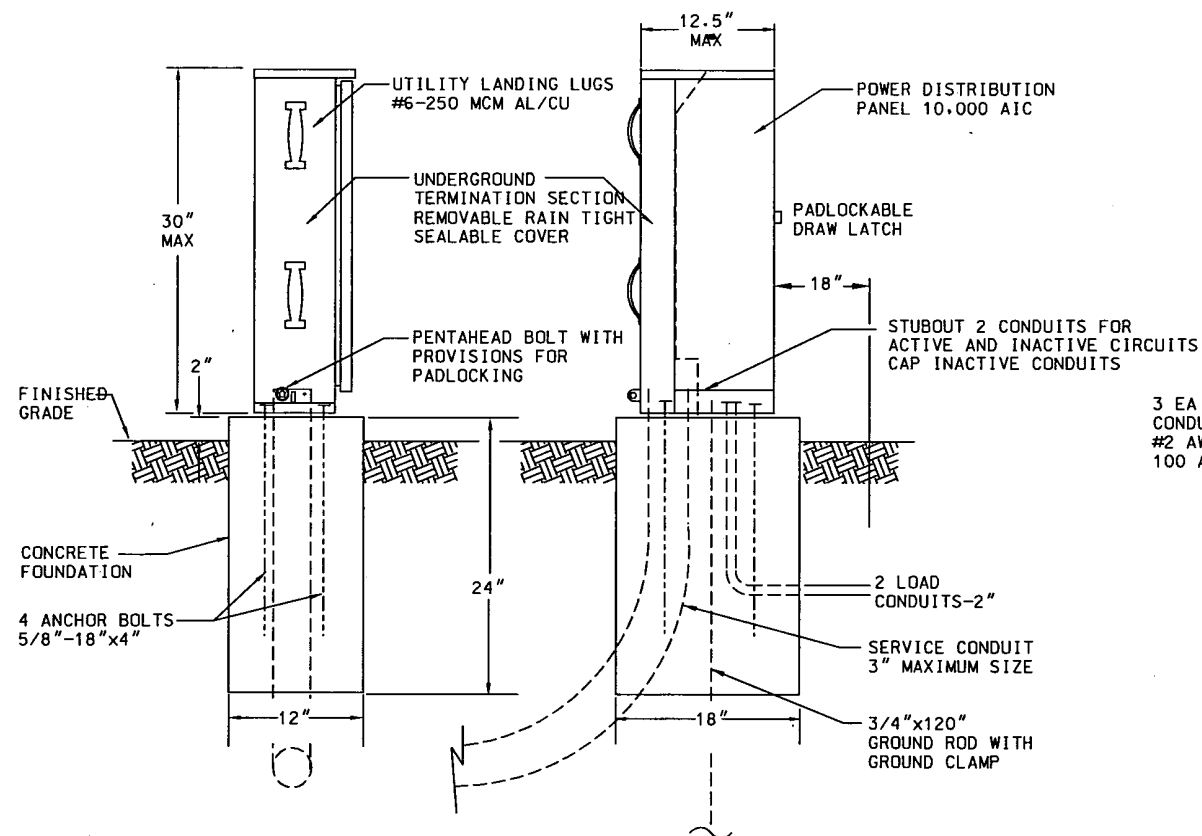
CONSTRUCTION MATERIALS AND FINISH	
<input checked="" type="checkbox"/> 14 GA HD GALVANIZED SHEET STEEL	<input type="checkbox"/> POWDER COATED
<input type="checkbox"/> 0.125" ALUMINUM SHEET	<input type="checkbox"/> POWDER COATED COLOR:
	<input type="checkbox"/> ANODIZED
POWDER COAT COLORS	
<input checked="" type="checkbox"/> WHITE	<input type="checkbox"/> RANCH GREEN
<input type="checkbox"/> MINT GREEN	<input type="checkbox"/> OTHER _____
<input type="checkbox"/> CAMEL	
PHOTO ELECTRIC CELL	
<input type="checkbox"/> ON LIGHT POLE	
<input checked="" type="checkbox"/> IN SERVICE CABINET	

CONTROL CABINET CONSTRUCTION NOTES

- CONTROL CABINET SHALL BE UL LISTED "INDUSTRIAL CONTROL PANEL" PER UL 508.
- CONTROL CABINET SHALL MEET THE ELECTRIC UTILITY SERVICE EQUIPMENT REQUIREMENTS COMMITTEE (EUSERC) GUIDELINES.
- CONSTRUCTION SHALL BE NEMA 3R AND 12, RAIN TIGHT AND DUST TIGHT. ELECTRICALLY WELDED AND REINFORCED WHERE REQUIRED.
- ALL NUTS, BOLTS, SCREWS AND HINGES SHALL BE STAINLESS STEEL.
- NUTS, BOLTS & SCREWS SHALL NOT BE VISIBLE FROM OUTSIDE OF CABINET.
- PHENOLIC NAMEPLATES SHALL BE PROVIDED AS REQUIRED.
- CIRCUIT BREAKERS SHALL BE CABLE-IN/CABLE-OUT WITH LINE ON TOP & LOAD ON THE BOTTOM. HANDLE POSITION UP="ON", MIDDLE="TRIPPED", DOWN="OFF".
- A PLASTIC COVERED WIRING DIAGRAM SHALL BE ATTACHED TO THE INSIDE OF THE FRONT DOOR.
- CABINET SHALL BE FACTORY WIRED AND CONFORM TO REQUIRED NEMA STANDARDS.
- ALL POWDER COATED CONTROL CABINETS SHALL HAVE A CORROSION RESISTANT COATING WHICH INCLUDES A FIVE STEP DIP TANK METAL PREPARATION PROCESS:
 - ALKALINE CLEANER 160° F.
 - CLEAR WATER RINSE.
 - IRON PHOSPHATE APPLICATION 150°.
 - CLEAR WATER RINSE.
 - INHIBITIVE RINSE TO SEAL PHOSPHATED SURFACES 120°.
 FINISHED WITH AN ELECTROSTATICALLY APPLIED DRY POLYESTER POWDER COATING THEN BAKED @ 380° TO CURE.
- CONCRETE FOUNDATIONS FOR CONTROL CABINET INCLUDING EXCAVATION AND BACKFILL, CONCRETE, GROUND RODS AND ANCHOR BOLTS, COMPLETE IN PLACE, WILL BE CONSIDERED INCIDENTAL TO THE CONTROL CABINET.

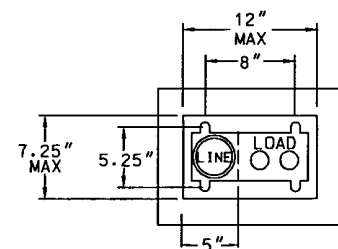


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REVISIONS (OR CHANGE NOTICES)			
NEW MEXICO STATE HIGHWAY AND TRANSPORTATION DEPARTMENT			
ROADWAY LIGHTING CONTROL CABINET SIX CIRCUIT UNMETERED (L6UM)			

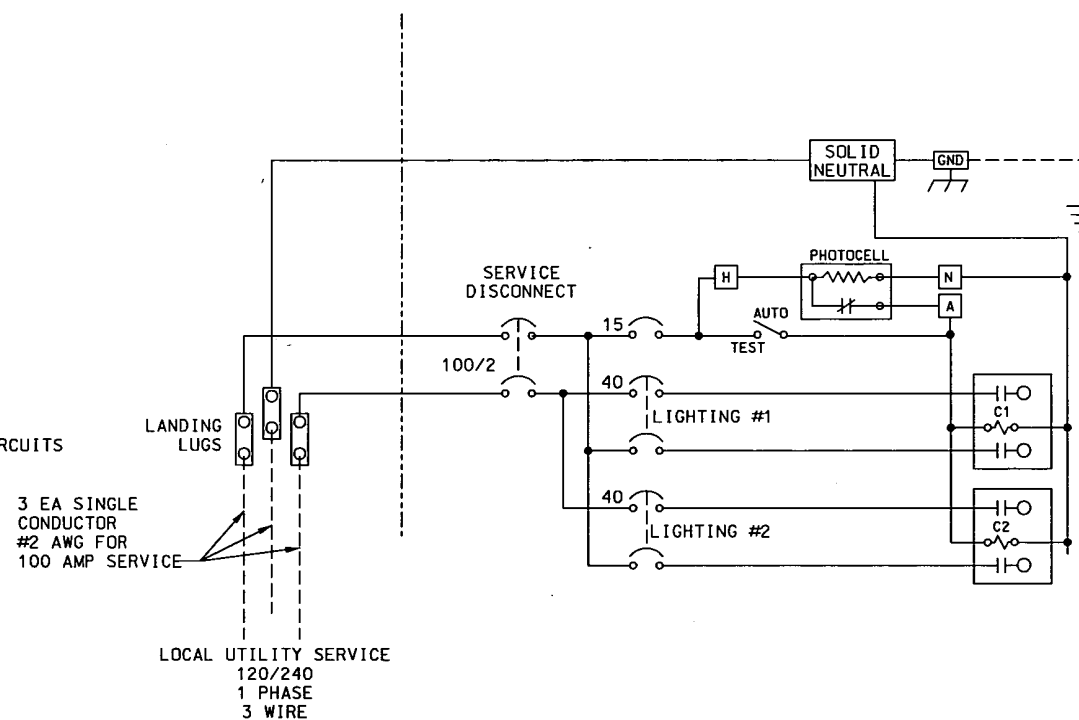


LEFT SIDE

FRONT VIEW



BASE PLAN



SERVICE EQUIPMENT
WIRING DIAGRAM "L2UM"

CONSTRUCTION MATERIALS AND FINISH

<input checked="" type="checkbox"/>	12 GA HD GALVANIZED SHEET STEEL
<input type="checkbox"/>	POWDER COATED
<input type="checkbox"/>	0.125" ALUMINUM SHEET
<input type="checkbox"/>	POWDER COATED COLOR:
<input type="checkbox"/>	ANODIZED

POWDER COAT COLORS

<input checked="" type="checkbox"/>	WHITE	<input type="checkbox"/>	RANCH GREEN
<input type="checkbox"/>	MINT GREEN	<input type="checkbox"/>	OTHER _____
<input type="checkbox"/>	CAMEL		

PHOTO ELECTRIC CELL

<input type="checkbox"/>	ON LIGHT POLE
<input checked="" type="checkbox"/>	IN SERVICE CABINET

CONTROL CABINET CONSTRUCTION NOTES

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- CONTROL CABINET SHALL MEET THE ELECTRIC UTILITY SERVICE EQUIPMENT REQUIREMENTS COMMITTEE (EUSERC) GUIDELINES.
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 - CLEAR WATER RINSE.
 - IRON PHOSPHATE APPLICATION 150°.
 - CLEAR WATER RINSE.
 - INHIBITIVE RINSE TO SEAL PHOSPHATED SURFACES 120°.FINISHED WITH AN ELECTROSTATICALLY APPLIED DRY POLYESTER POWDER COATING THEN BAKED @ 380° TO CURE.
- CONCRETE FOUNDATIONS FOR CONTROL CABINET INCLUDING EXCAVATION AND BACKFILL, CONCRETE, GROUND RODS AND ANCHOR BOLTS, COMPLETE IN PLACE, WILL BE CONSIDERED INCIDENTAL TO THE CONTROL CABINET.

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REVISIONS (OR CHANGE NOTICES)

NEW MEXICO STATE
HIGHWAY AND TRANSPORTATION
DEPARTMENT

ROADWAY LIGHTING
CONTROL CABINET
TWO CIRCUIT UNMETERED
(L2UM)