

CONSTRUCTION PLANS FOR GREATER PEORIA REGIONAL AIRPORT

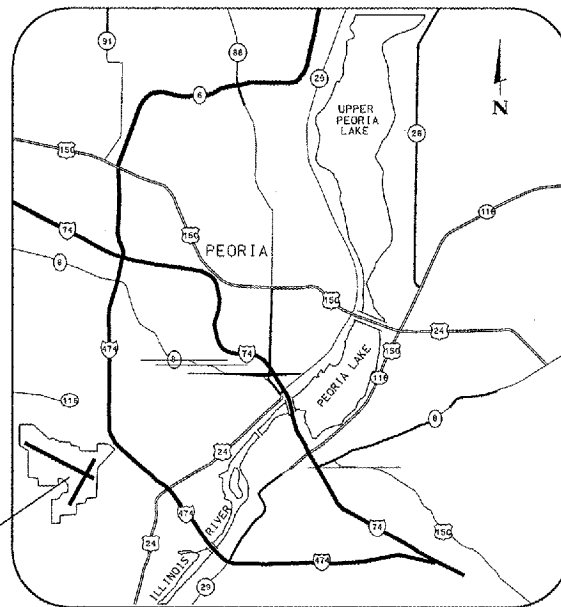
ILLINOIS PROJECT NO.: PIA-3385

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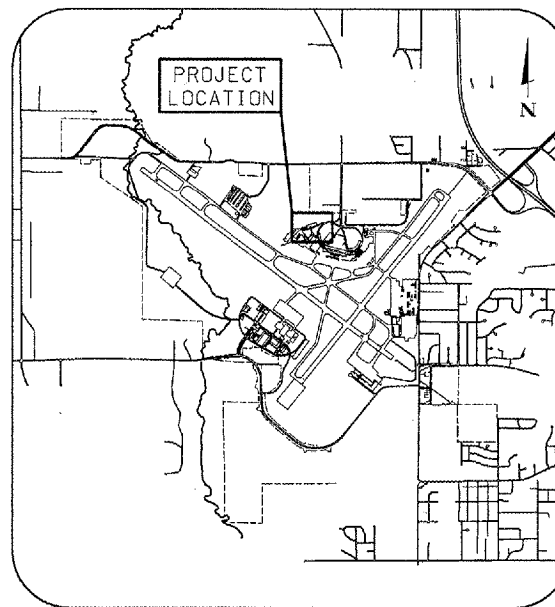
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CONSTRUCT, LIGHT & MARK WEST LONG TERM PARKING LOT

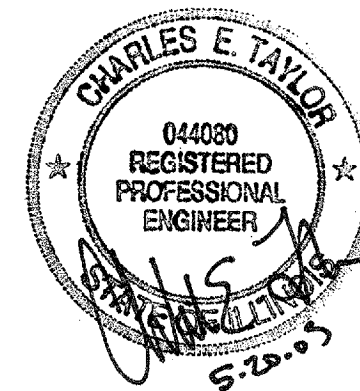
JUNE 17, 2005



LOCATION MAP



SITE PLAN



CALL J.U.L.I.E.
BEFORE EXCAVATING
1-800-892-0123
GREATER PEORIA REGIONAL AIRPORT

TOWNSHIP: 8 NORTH
RANGE: 7 EAST
COUNTY: PEORIA
TOWNSHIP: LIMESTONE

CMT
CRAWFORD MURPHY & TILLY, INC.
CONSULTING ENGINEERS

■ AURORA, IL ■ CHICAGO, IL ■ COLUMBUS, OH
■ EDWARDSVILLE, IL ■ INDIANAPOLIS, IN ■ PEORIA, IL
■ ROCKFORD, IL ■ SPRINGFIELD, IL ■ ST. LOUIS, MO

SUBMITTED BY: *[Signature]*
DATE: 5-20-05
CM&T JOB NUMBER 05061-03-00


PE084

REVISIONS		
NUMBER	BY	DATE


0 1 2
 THIS BAR IS EQUAL TO 2'
 AT FULL SCALE (34X22).
 PLOT 1

SUMMARY OF QUANTITIES

ITEM	DESCRIPTION	UNIT	QUANTITY
AR106511	TYPE A AREA LGHT POLE W/ 1 FIXTURE	EA	6
AR106512	TYPE A AREA LGHT POLE W/ 2 FIXTURES	EA	9
AR106905	REMOVE LIGHT POLE AND FIXTURE	EA	3
AR108756	1/C #6 GROUND	LF	4,200
AR801955	1/C #4 600V THWN CABLE	LF	11,980
AR110501	1-WAY CONC. ENCASED DUCT	LF	1,437
AR110946	ADJUST ELECTRICAL HANDHOLE	EA	1
AR801956	1-WAY PVC DUCT, DIRECT BURY	LF	700
AR151420	CLEARING TREES 0-2.5' BUTT. DIA.	EA	1
AR151430	CLEARING TREES 2.5'-5' BUTT DIA.	EA	1
AR152410	UNCLASSIFIED EXCAVATION	CY	4,210
AR156510	SILT FENCE	LF	500
AR156520	INLET PROTECTION	EA	1
AR156544	RIPRAP-GRADATION NO. 4	SY	142
AR201610	BITUMINOUS BASE COURSE	TON	1,400
AR209608	CRUSHED AGG. BASE COURSE - 8"	SY	11,630
AR401610	BITUMINOUS SURFACE COURSE	TON	1,700
AR401655	BUTT JOINT CONSTRUCTION	SY	560
AR401900	REMOVE BITUMINOUS PAVEMENT	SY	4,544
AR501604	4" PCC SIDEWALK	SF	6,620
AR602510	BITUMINOUS PRIME COAT	GAL	2,901
AR603510	BITUMINOUS TACK COAT	GAL	582
AR620530	PAVEMENT MARKING - EPOXY	SF	3,509
AR751940	ADJUST INLET	EA	4
AR751943	ADJUST MANHOLE	EA	1
AR754410	COMB CONCRETE CURB & GUTTER	LF	1,780
AR754904	REMOVE COMB CURB & GUTTER	LF	39
AR801957	LIGHTING CONTROLLER MODIFICATIONS	LS	1
AR904510	SODDING	SY	1,689
AR910210	TEMPORARY SIGN	EA	10
AR910430	TRAFFIC MAINTENANCE (ROADWAY)	LS	1
AR910420	BOLLARD	EA	4



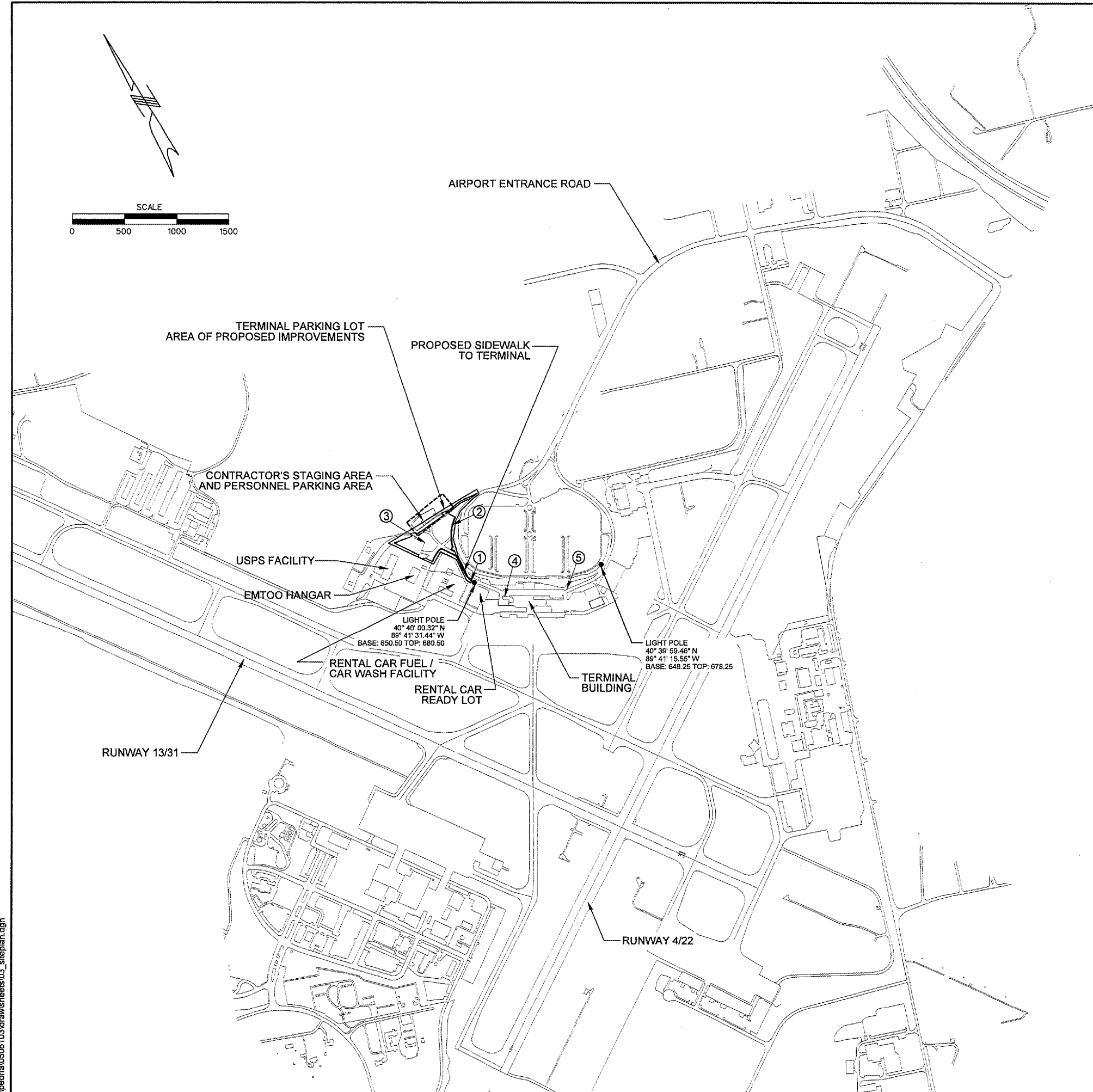
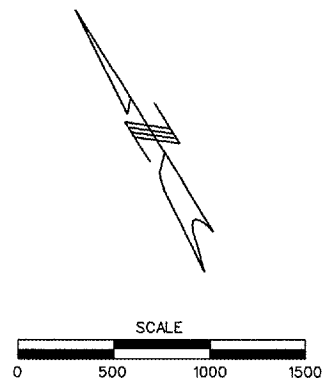
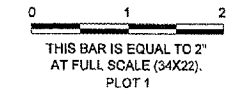
CONSTRUCT, LIGHT & MARK
 WEST LONG TERM PARKING LOT



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IL PROJECT NUMBER PIA-3385
FILE:
DESIGN BY: BWS
DRAWN BY: JSP
CHECKED BY: BJS
APPROVED BY: CET
DATE: JUNE 17, 2005
JOB No: 05061-03-00
SUMMARY OF QUANTITIES
SHEET 2 OF 41 SHEETS

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GENERAL NOTES

- 1.) REFER TO THE CONSTRUCTION ACTIVITY PLAN AND THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS CONCERNING COORDINATION OF CONSTRUCTION ACTIVITIES.
- 2.) THE CONTRACTOR WILL BE PERMITTED TO STORE EQUIPMENT AND MATERIALS ONLY AT THE LOCATIONS SHOWN.
- 3.) BROKEN CONCRETE, BROKEN ASPHALT & OTHER MISCELLANEOUS DEBRIS SHALL BE DISPOSED OF BY THE CONTRACTOR OFF OF AIRPORT PROPERTY OR AT THE AIRPORT'S OPTION ON AIRPORT PROPERTY AT A LOCATION DESIGNATED BY THE AIRPORT DIRECTOR.
- 4.) VEHICLES AND EQUIPMENT SHALL REMAIN OUTSIDE THE AIRPORT SECURITY FENCE.
- 5.) ALL PAVEMENTS, DRIVES OR ANY OTHER AREAS UTILIZED BY THE CONTRACTOR FOR HAUL ROADS OR STORAGE AREAS SHALL BE MAINTAINED AND REPAIRED IN KIND BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER AND AIRPORT DIRECTOR. NO ADDITIONAL COMPENSATION SHALL BE MADE TO THE CONTRACTOR FOR THIS WORK.
- 6.) EXISTING TURF AREAS DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY HIM AT HIS EXPENSE TO THE SATISFACTION OF THE ENGINEER AND THE AIRPORT DIRECTOR.
- 7.) THE CONTRACTOR SHALL THOROUGHLY CLEAN ALL CONSTRUCTION AREAS WHICH WILL BE OPENED TO TRAFFIC TO THE SATISFACTION OF THE ENGINEER.
- 8.) THE LOCATION OF UNDERGROUND UTILITIES AS INDICATED ON THE PLANS HAS BEEN OBTAINED FROM EXISTING RECORDS AND FIELD SURVEYS. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY WHATSOEVER IN RESPECT TO THE ACCURACY, COMPLETENESS, OR SUFFICIENCY OF THE INFORMATION. THERE IS NO GUARANTEE, EITHER EXPRESSED OR IMPLIED, THAT THE LOCATIONS, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ARE REPRESENTATIVE OF THOSE TO BE ENCOUNTERED IN THE CONSTRUCTION.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH UTILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANY OF HIS OPERATIONAL PLANS. THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR DETAILED INFORMATION AND ASSISTANCE IN LOCATING UTILITIES. IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY, THE OWNER AND THE ENGINEER. ANY SUCH MAINS AND/OR SERVICES DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED IMMEDIATELY AT HIS EXPENSE TO THE SATISFACTION OF THE OWNER AND THE ENGINEER.
- 9.) CONTRACTOR'S ACCESS SHALL BE AS FOLLOWS:
 - A) CONTRACTOR ACCESS SHALL BE VIA THE MAIN AIRPORT ENTRANCE ROAD. CONTRACTOR STAGING SHOULD OCCUR IN THE LOCATION SHOWN OR WITHIN THE PORTION OF THE PARKING LOT CURRENTLY UNDER CONSTRUCTION.
 - B) CONTRACTOR'S PERSONNEL SHALL PARK IN AREA DESIGNATED ON THIS SHEET.
 - C) DURING ADVERSE WEATHER THE CONTRACTOR SHALL MAKE PROVISIONS FOR ACCESS TO THE WORK AT NO ADDITIONAL COST TO THE CONTRACT. NO EXTENSION OF CONTRACT TIME WILL BE CONSIDERED FOR DELAYS DUE TO LACK OF ADEQUATE ACCESS TO THE WORK.
 - D) THROUGHOUT THE DURATION OF THE CONTRACT, ANY DAMAGE TO THE AIRPORT ENTRANCE ROADS, OR OTHER AIRPORT FACILITIES SHALL BE REPAIRED IMMEDIATELY AT THE EXPENSE OF THE CONTRACTOR TO THE SATISFACTION OF THE AIRPORT DIRECTOR AND RESIDENT ENGINEER.
 - E) ALL COSTS RELATING TO CONTRACTOR'S ACCESS AND SECURITY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
 - F) THE CONTRACTOR SHALL STORE EQUIPMENT AND MATERIALS IN SUCH A WAY AS TO NOT PENETRATE THE PART 77 SURFACES.

CONTROL POINTS

POINT NO.	NORTHING	EASTING	ELEVATION	TYPE
1	1,457,137.59	2,428,212.95	650.81	PIN
2	1,457,697.95	2,428,149.33	642.72	60-D
3	1,457,580.21	2,427,854.36	642.02	PK NAIL
4	1,456,920.09	2,428,495.87	652.30	PIN
5	1,456,870.63	2,429,092.07	650.92	60-D

GREATER Peoria REGIONAL Airport
CONSTRUCT, LIGHT & MARK WEST LONG TERM PARKING LOT

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 CONSULTING ENGINEERS
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IL PROJECT NUMBER
PIA-3385

FILE:

DESIGN BY: BWG

DRAWN BY: JSP

CHECKED BY: BJS

APPROVED BY: CET

DATE: JUNE 17, 2005

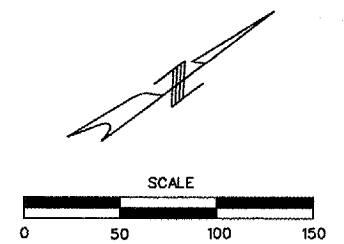
JOB No: 05061-03-00

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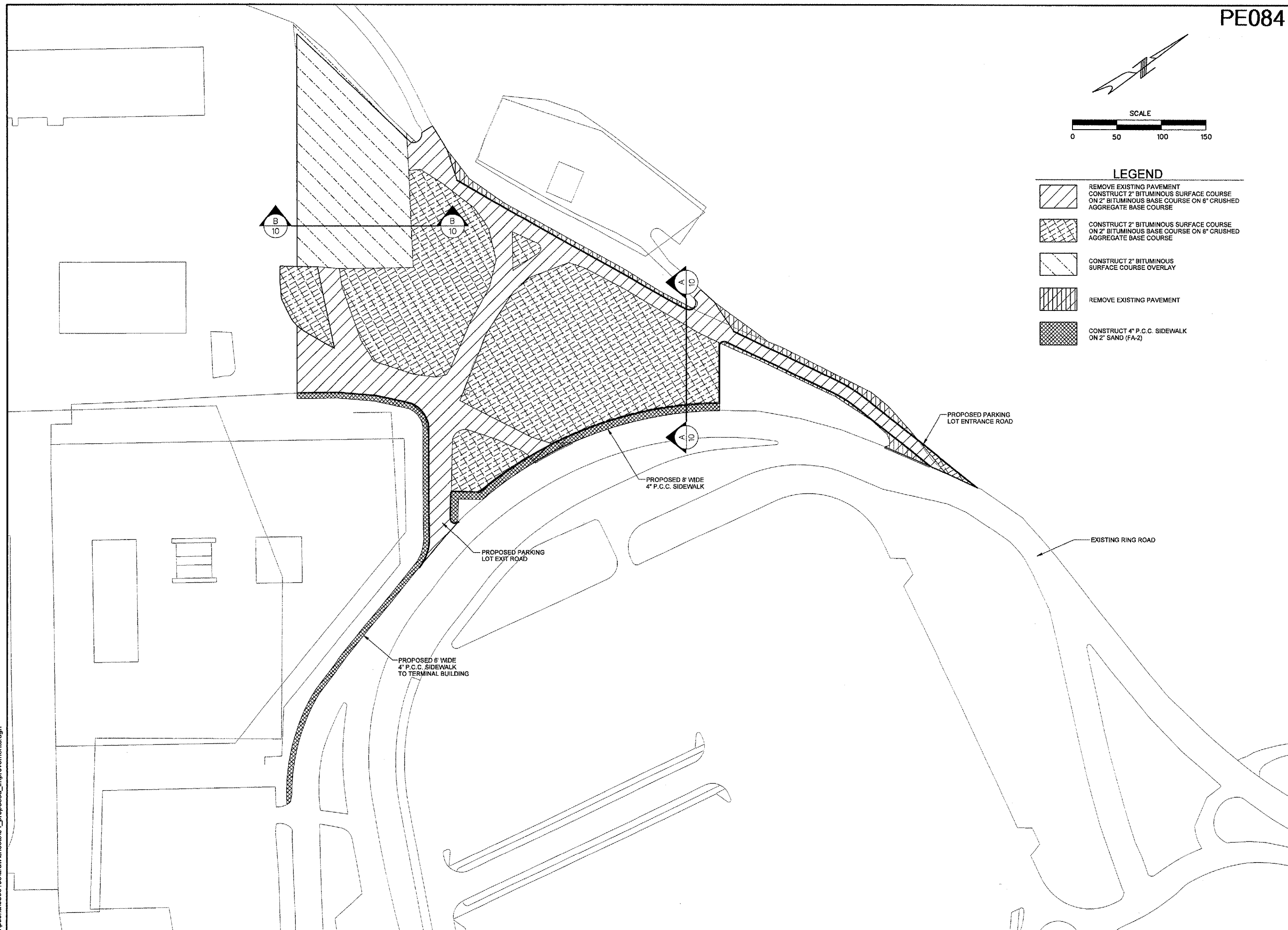
PE084

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NUMBER	BY	DATE

0 1 2
THIS BAR IS EQUAL TO 2' AT FULL SCALE (34X22).
PLOT 1



- LEGEND**
- REMOVE EXISTING PAVEMENT
CONSTRUCT 2" BITUMINOUS SURFACE COURSE
ON 2" BITUMINOUS BASE COURSE ON 8" CRUSHED
AGGREGATE BASE COURSE
 - CONSTRUCT 2" BITUMINOUS SURFACE COURSE
ON 2" BITUMINOUS BASE COURSE ON 8" CRUSHED
AGGREGATE BASE COURSE
 - CONSTRUCT 2" BITUMINOUS
SURFACE COURSE OVERLAY
 - REMOVE EXISTING PAVEMENT
 - CONSTRUCT 4" P.C.C. SIDEWALK
ON 2" SAND (FA-2)



GREATER Peoria REGIONAL Airport

**CONSTRUCT, LIGHT & MARK
WEST LONG TERM PARKING LOT**

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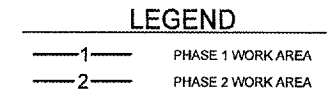
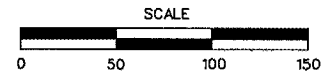
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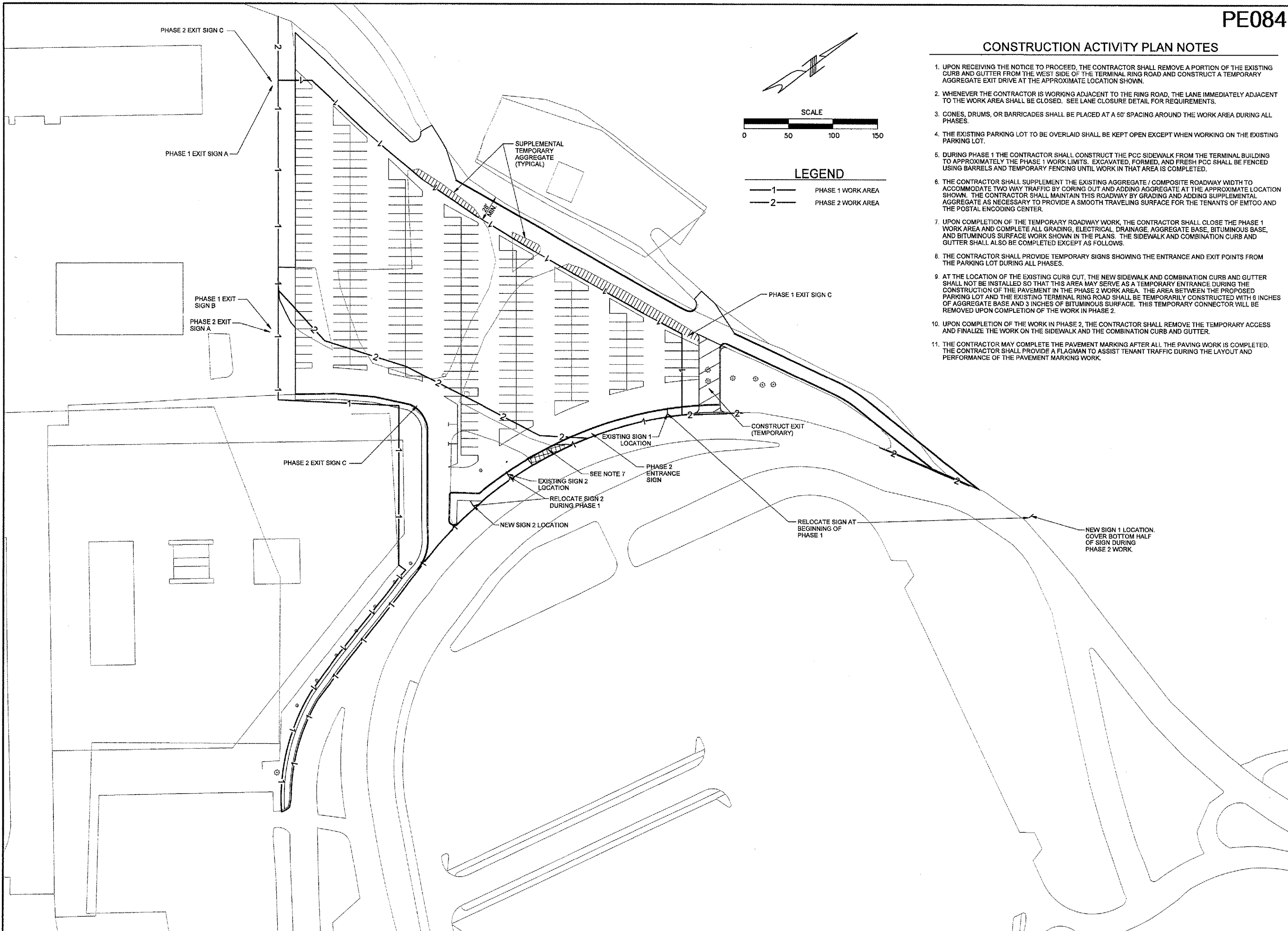
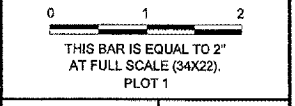
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CONSTRUCTION ACTIVITY PLAN NOTES

1. UPON RECEIVING THE NOTICE TO PROCEED, THE CONTRACTOR SHALL REMOVE A PORTION OF THE EXISTING CURB AND GUTTER FROM THE WEST SIDE OF THE TERMINAL RING ROAD AND CONSTRUCT A TEMPORARY AGGREGATE EXIT DRIVE AT THE APPROXIMATE LOCATION SHOWN.
2. WHENEVER THE CONTRACTOR IS WORKING ADJACENT TO THE RING ROAD, THE LANE IMMEDIATELY ADJACENT TO THE WORK AREA SHALL BE CLOSED. SEE LANE CLOSURE DETAIL FOR REQUIREMENTS.
3. CONES, DRUMS, OR BARRICADES SHALL BE PLACED AT A 50' SPACING AROUND THE WORK AREA DURING ALL PHASES.
4. THE EXISTING PARKING LOT TO BE OVERLAID SHALL BE KEPT OPEN EXCEPT WHEN WORKING ON THE EXISTING PARKING LOT.
5. DURING PHASE 1 THE CONTRACTOR SHALL CONSTRUCT THE PCC SIDEWALK FROM THE TERMINAL BUILDING TO APPROXIMATELY THE PHASE 1 WORK LIMITS. EXCAVATED, FORMED, AND FRESH PCC SHALL BE FENCED USING BARRELS AND TEMPORARY FENCING UNTIL WORK IN THAT AREA IS COMPLETED.
6. THE CONTRACTOR SHALL SUPPLEMENT THE EXISTING AGGREGATE / COMPOSITE ROADWAY WIDTH TO ACCOMMODATE TWO WAY TRAFFIC BY CORING OUT AND ADDING AGGREGATE AT THE APPROXIMATE LOCATION SHOWN. THE CONTRACTOR SHALL MAINTAIN THIS ROADWAY BY GRADING AND ADDING SUPPLEMENTAL AGGREGATE AS NECESSARY TO PROVIDE A SMOOTH TRAVELING SURFACE FOR THE TENANTS OF EMT00 AND THE POSTAL ENCODING CENTER.
7. UPON COMPLETION OF THE TEMPORARY ROADWAY WORK, THE CONTRACTOR SHALL CLOSE THE PHASE 1 WORK AREA AND COMPLETE ALL GRADING, ELECTRICAL, DRAINAGE, AGGREGATE BASE, BITUMINOUS BASE, AND BITUMINOUS SURFACE WORK SHOWN IN THE PLANS. THE SIDEWALK AND COMBINATION CURB AND GUTTER SHALL ALSO BE COMPLETED EXCEPT AS FOLLOWS.
8. THE CONTRACTOR SHALL PROVIDE TEMPORARY SIGNS SHOWING THE ENTRANCE AND EXIT POINTS FROM THE PARKING LOT DURING ALL PHASES.
9. AT THE LOCATION OF THE EXISTING CURB CUT, THE NEW SIDEWALK AND COMBINATION CURB AND GUTTER SHALL NOT BE INSTALLED SO THAT THIS AREA MAY SERVE AS A TEMPORARY ENTRANCE DURING THE CONSTRUCTION OF THE PAVEMENT IN THE PHASE 2 WORK AREA. THE AREA BETWEEN THE PROPOSED PARKING LOT AND THE EXISTING TERMINAL RING ROAD SHALL BE TEMPORARILY CONSTRUCTED WITH 6 INCHES OF AGGREGATE BASE AND 3 INCHES OF BITUMINOUS SURFACE. THIS TEMPORARY CONNECTOR WILL BE REMOVED UPON COMPLETION OF THE WORK IN PHASE 2.
10. UPON COMPLETION OF THE WORK IN PHASE 2, THE CONTRACTOR SHALL REMOVE THE TEMPORARY ACCESS AND FINALIZE THE WORK ON THE SIDEWALK AND THE COMBINATION CURB AND GUTTER.
11. THE CONTRACTOR MAY COMPLETE THE PAVEMENT MARKING AFTER ALL THE PAVING WORK IS COMPLETED. THE CONTRACTOR SHALL PROVIDE A FLAGMAN TO ASSIST TENANT TRAFFIC DURING THE LAYOUT AND PERFORMANCE OF THE PAVEMENT MARKING WORK.



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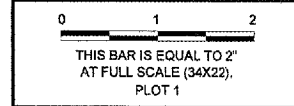
GREATER Peoria REGIONAL Airport
 CONSTRUCT, LIGHT & MARK WEST LONG TERM PARKING LOT

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 CONSULTING ENGINEERS
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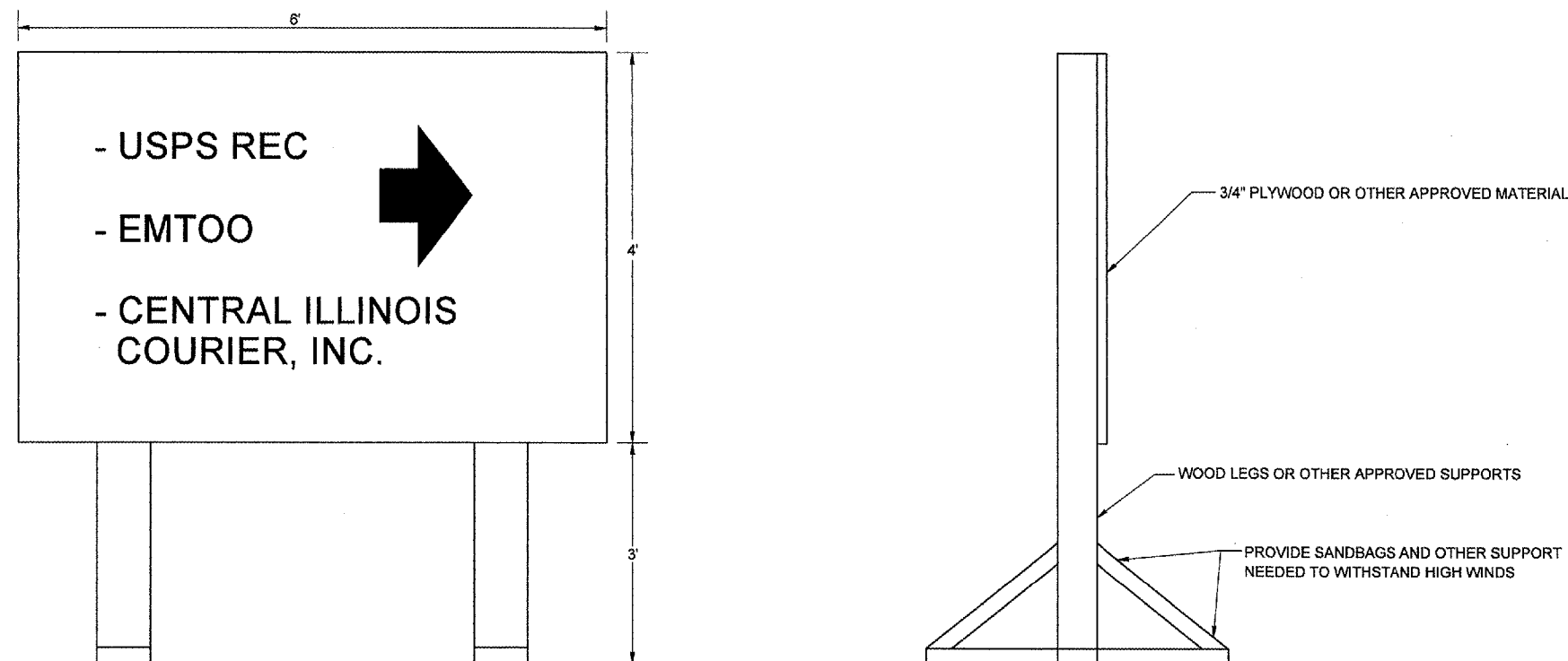
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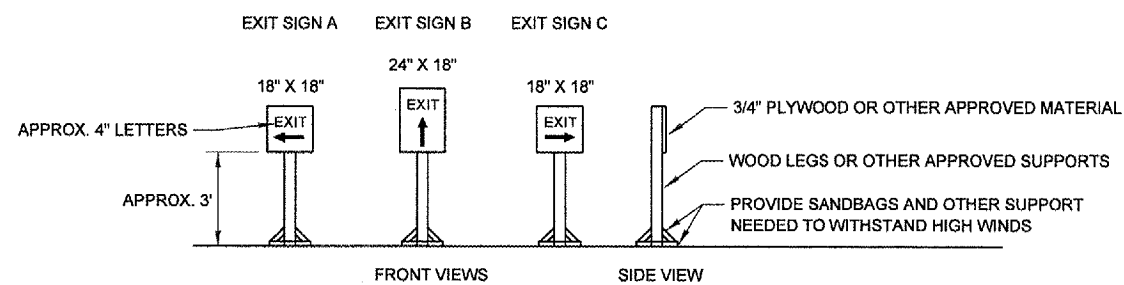
GENERAL TEMPORARY SIGN NOTES

1. SIGNS SHALL BE WHITE WITH RED OR BLACK LETTERS AS DESIGNATED ON THE DETAILS.
2. SIGNS SHALL BE MAINTAINED FOR DURATION OF THE PROJECT
3. SIGNS SHALL BE SUPPORTED SUFFICIENTLY TO WITHSTAND HIGH WINDS.
4. THE CONTRACTOR SHALL MAINTAIN TEMPORARY SIGNAGE TO THE SATISFACTION OF THE AIRPORT DIRECTOR.
5. THE RESIDENT ENGINEER OR AIRPORT DIRECTOR HAS THE FINAL AUTHORITY ON THE LOCATIONS OF ALL TEMPORARY SIGNAGE.



TEMPORARY ENTRANCE SIGN

NOTE: "ENTRANCE" SIGN SHALL BE 6' X 4' X 3/4" PLYWOOD OR OTHER APPROVED MATERIAL.



TEMPORARY SIGN NOTES

1. "EXIT" SIGNS SHALL BE 3/4" THICK PLYWOOD OR OTHER APPROVED MATERIAL.
2. "EXIT" OR "ENTRANCE" SIGNS SHALL BE PLACED AT LOCATIONS DESIGNATED BY THE RESIDENT ENGINEER FOR EACH PHASE OR AS SHOWN ON THE CONSTRUCTION ACTIVITY PLAN.
3. SIGNS WILL EITHER HAVE A RIGHT, LEFT, OR UP ARROW. THE RESIDENT ENGINEER SHALL DETERMINE HOW MANY OF EACH DIRECTION ARE NEEDED PRIOR TO EACH PHASE. THE ARROWS CAN BE PAINTED OVER AND REUSED FOR EACH PHASE. SIGN WILL ONLY PAID FOR ONCE. PAINTING OVER AND MOVING OF SIGNS SHALL BE CONSIDERED INCIDENTAL TO THE SIGN.

TEMPORARY EXIT SIGN

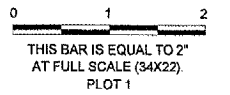
CONSTRUCT, LIGHT & MARK
WEST LONG TERM PARKING LOT

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DATE: JUNE 17, 2005
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**TEMPORARY
SIGNAGE DETAILS**

REVISIONS		
NUMBER	BY	DATE



G R E A T E R
Peoria
R E G I O N A L
A i r p o r t

CONSTRUCT, LIGHT & MARK
WEST LONG TERM PARKING LOT

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LANE CLOSURE DETAIL
SHEET 7 OF 41 SHEETS

SYMBOLS

- WORK AREA
- CONE, DRUM OR BARRICADE
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- ARROW BOARD
- BARRICADE OR DRUM WITH FLASHING LIGHT
- TYPE III BARRICADE WITH FLASHING LIGHTS
- FLAGGER WITH TRAFFIC CONTROL SIGN.

GENERAL NOTES

- * CONES AT 6 M (25') CENTERS FOR 75 M (250'). ADDITIONAL CONES MAY BE PLACED AT 15 M (50') CENTERS. WHEN DRUMS OR TYPE I OR TYPE II BARRICADES ARE USED, THE INTERVAL BETWEEN DEVICES MAY BE DOUBLED.
- * * USE FLAGGER SIGN ONLY WHEN FLAGGER IS PRESENT.
- * * * FOR APPROVED SIDEROAD CLOSURES.
- WHERE, AT ANYTIME, DAY OR NIGHT, ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCROACH ON THE PAVEMENT DURING SHOULDER OPERATIONS OR WHERE CONSTRUCTION REQUIRES LANE CLOSURES IN URBAN AREAS.

WHERE L IS:

SPEED LIMIT	FORMULAS	
70 KM/H (40 MPH) OR LESS:	METRIC	(ENGLISH)
	$L = \frac{WS^2}{150}$	$L = \frac{WS^2}{80}$
80 KM/H (45 MPH) OR GREATER:	$L = 0.85(W)(S) \quad L = (W)(S)$	

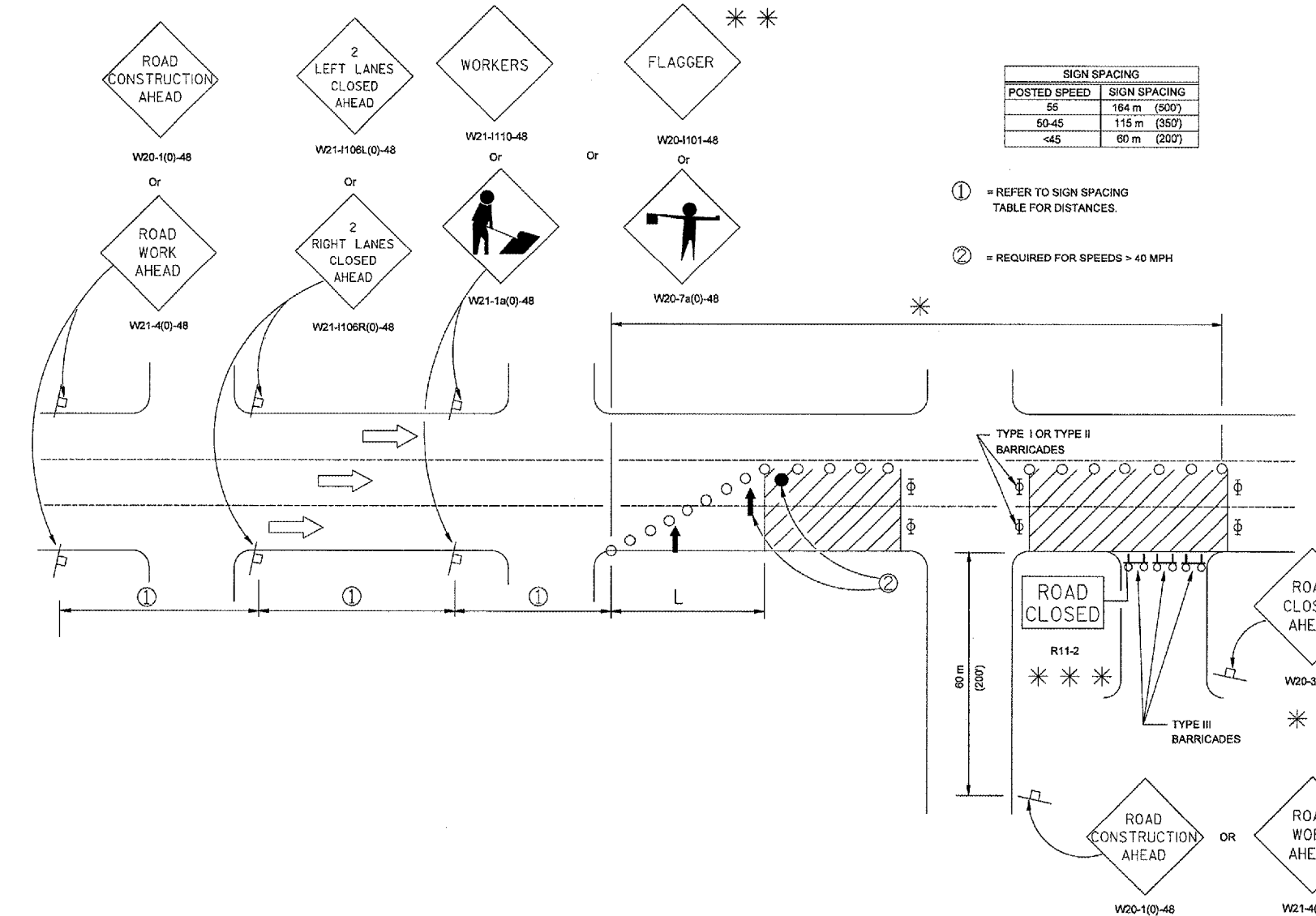
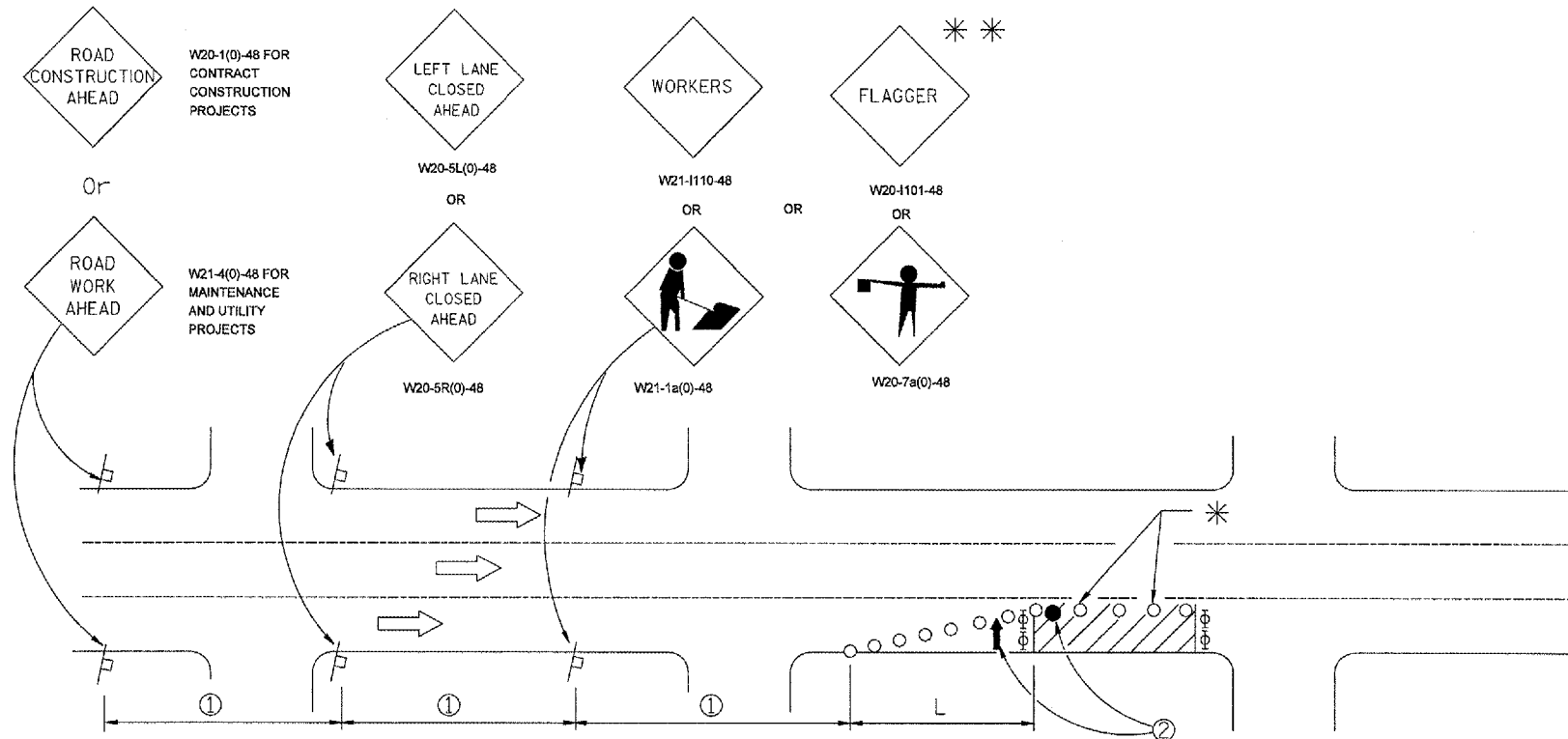
W = WIDTH OF OFFSET IN METERS (FEET).

S = NORMAL POSTED SPEED KM/H (MPH).

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.

URBAN LANE CLOSURE
MULTILANE 1W OR 2W WITH
NONTRAVERSABLE MEDIAN

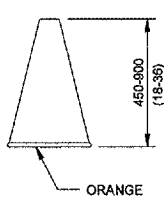
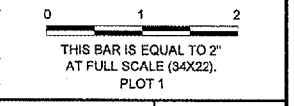
STANDARD 701601-03



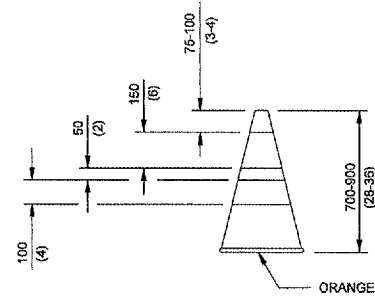
SIGN SPACING	
POSTED SPEED	SIGN SPACING
55	164 m (500')
50-45	115 m (350')
<45	60 m (200')

- ① = REFER TO SIGN SPACING TABLE FOR DISTANCES.
- ② = REQUIRED FOR SPEEDS > 40 MPH

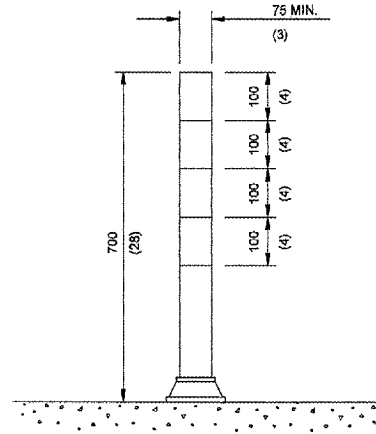
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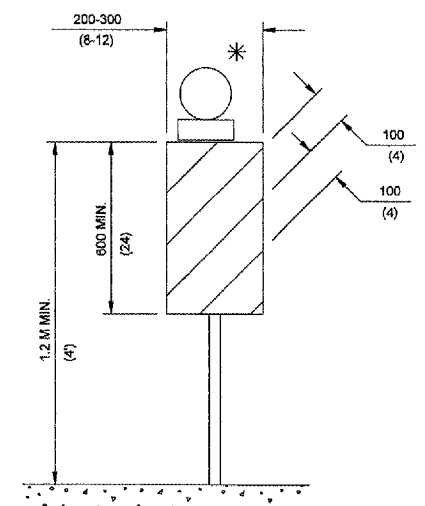
CONE



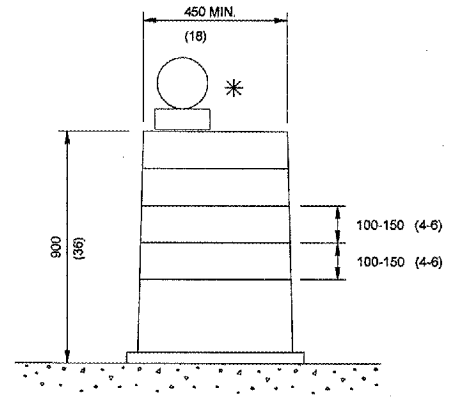
REFLECTORIZED CONE



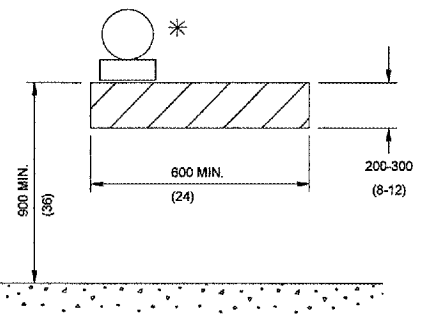
FLEXIBLE DELINEATOR



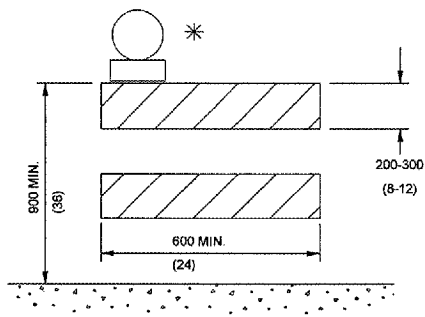
VERTICAL PANEL
POST MOUNTED



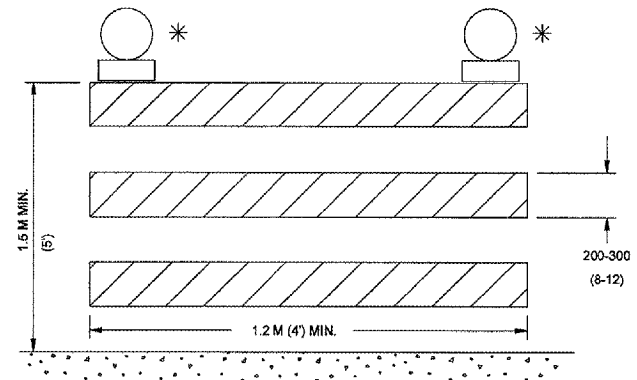
DRUM



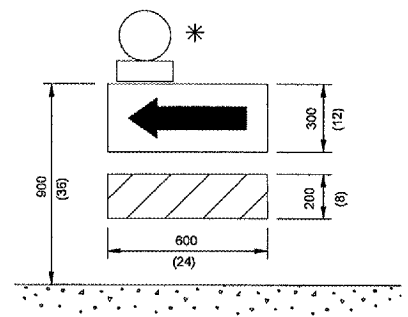
TYPE I BARRICADE



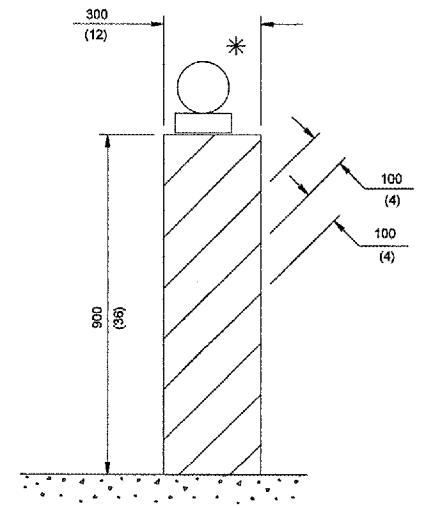
TYPE II BARRICADE



TYPE III BARRICADE



DIRECTION INDICATOR
BARRICADE



VERTICAL BARRICADE

GENERAL NOTES

* Warning lights (if required)

All heights shown shall be measured above the pavement surface.

All dimensions are in millimeters (inches) unless otherwise shown.

GREATER Peoria REGIONAL Airport

CONSTRUCT, LIGHT & MARK WEST LONG TERM PARKING LOT

CMT
CRAMFORD, MURPHY & TILLY, INC.
CONSULTING ENGINEERS

IL PROJECT NUMBER
PIA-3385

FILE:
DESIGN BY: BWG
DRAWN BY: JSP
CHECKED BY: BJS
APPROVED BY: CET
DATE: JUNE 17, 2005
JOB No: 05061-03-00

TRAFFIC CONTROL DEVICES
SHEET 1 OF 2
SHEET 8 OF 41 SHEETS

DATE	REVISIONS
1-1-03	Rev. devices to meet NCHRP 350.
1-1-01	Added the word limits in Work Limit Signing det.
	Removed tubular marker.

TRAFFIC CONTROL DEVICES
(Sheet 1 of 3)

STANDARD 702001-03

Illinois Department of Transportation

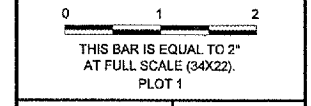
APPROVED January 1, 2003
[Signature]
ENGINEER OF OPERATIONS

APPROVED January 1, 2003
[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

05/26/2005 K:\peoria\05061\03\draw\sheet\08_traffic_control_devices_1.dgn

REVISIONS		
NUMBER	BY	DATE



Greater Peoria Regional Airport

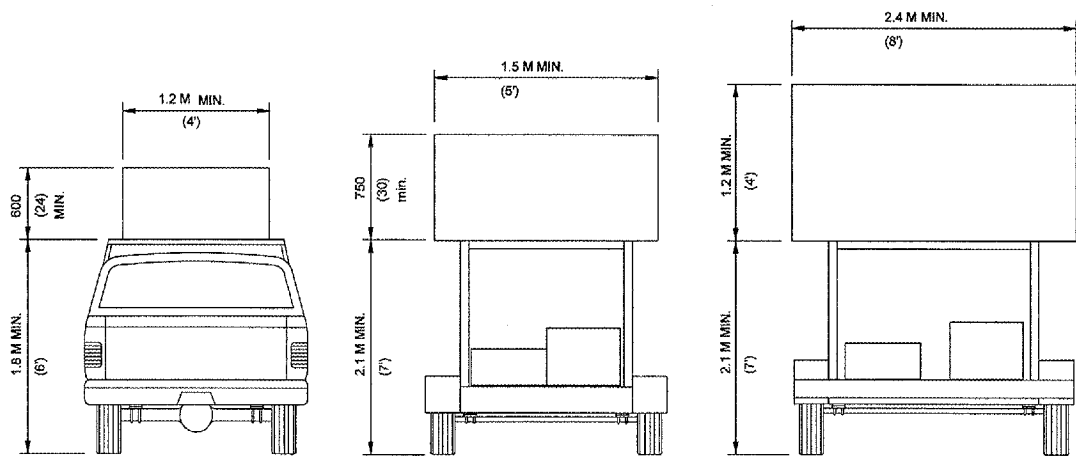
CONSTRUCT, LIGHT & MARK WEST LONG TERM PARKING LOT

CMT
CRAWFORD, MURPHY & TILLY, INC.
CONSULTING ENGINEERS

IL PROJECT NUMBER
PIA-3385

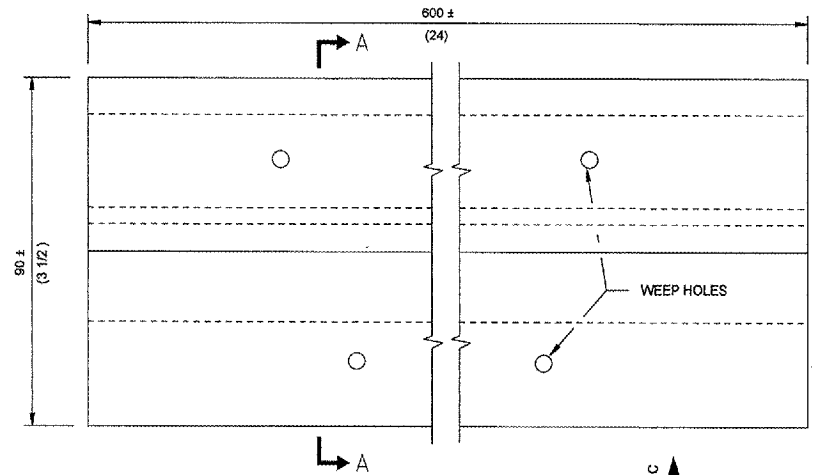
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DRAWN BY: JSP
CHECKED BY: BJS
APPROVED BY: GET
DATE: JUNE 17, 2005
JOB No: 05061-03-00

TRAFFIC CONTROL DEVICES
SHEET 2 OF 2
SHEET 9 OF 41 SHEETS

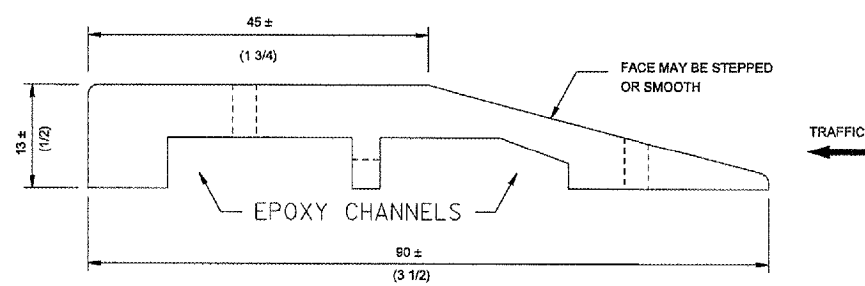


TYPE A ROOF MOUNTED
TYPE B ROOF OR TRAILER MOUNTED
TYPE C TRAILER MOUNTED

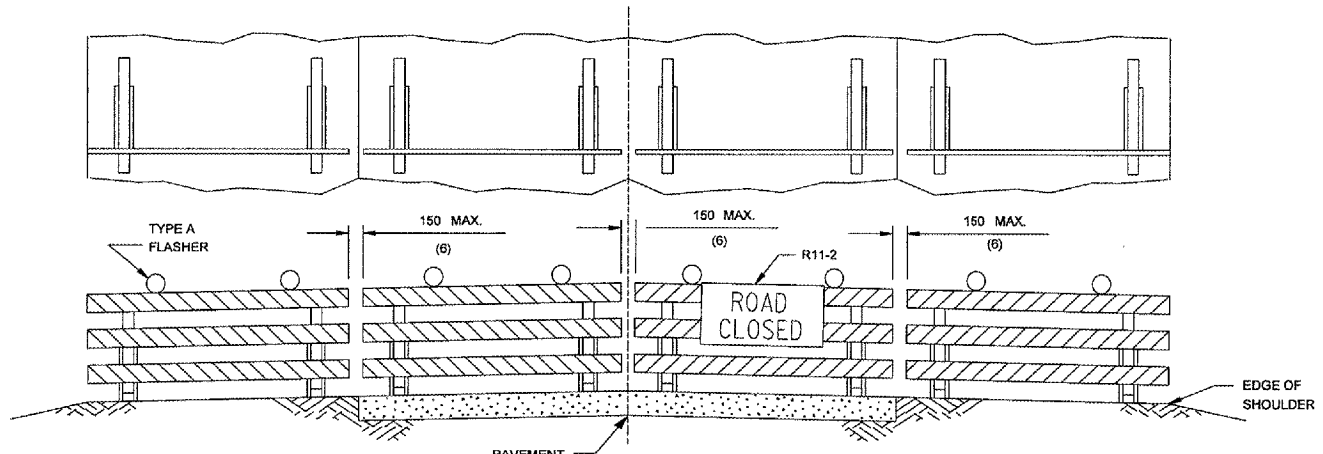
ARROW BOARDS



PLAN



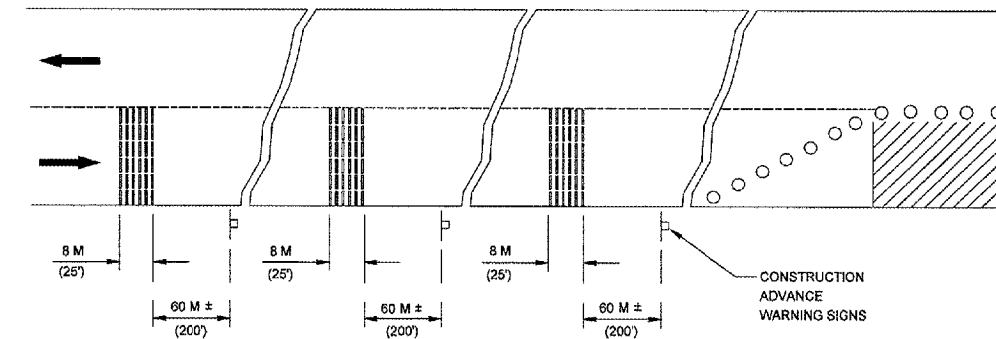
SECTION A-A



ROAD CLOSED TO ALL TRAFFIC

REFLECTORIZED STRIPING MAY BE OMITTED ON THE BACK SIDE OF THE BARRICADES. IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 IS NOT AVAILABLE, THE SIGN MAY BE MOUNTED ON AN NCHRP 350 TEMPORARY SIGN SUPPORT DIRECTLY IN FRONT OF THE BARRICADE.

TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD



TYPICAL INSTALLATION

TEMPORARY RUMBLE STRIPS

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.

TRAFFIC CONTROL DEVICES

(Sheet 3 of 3)

STANDARD 702001-03

Illinois Department of Transportation

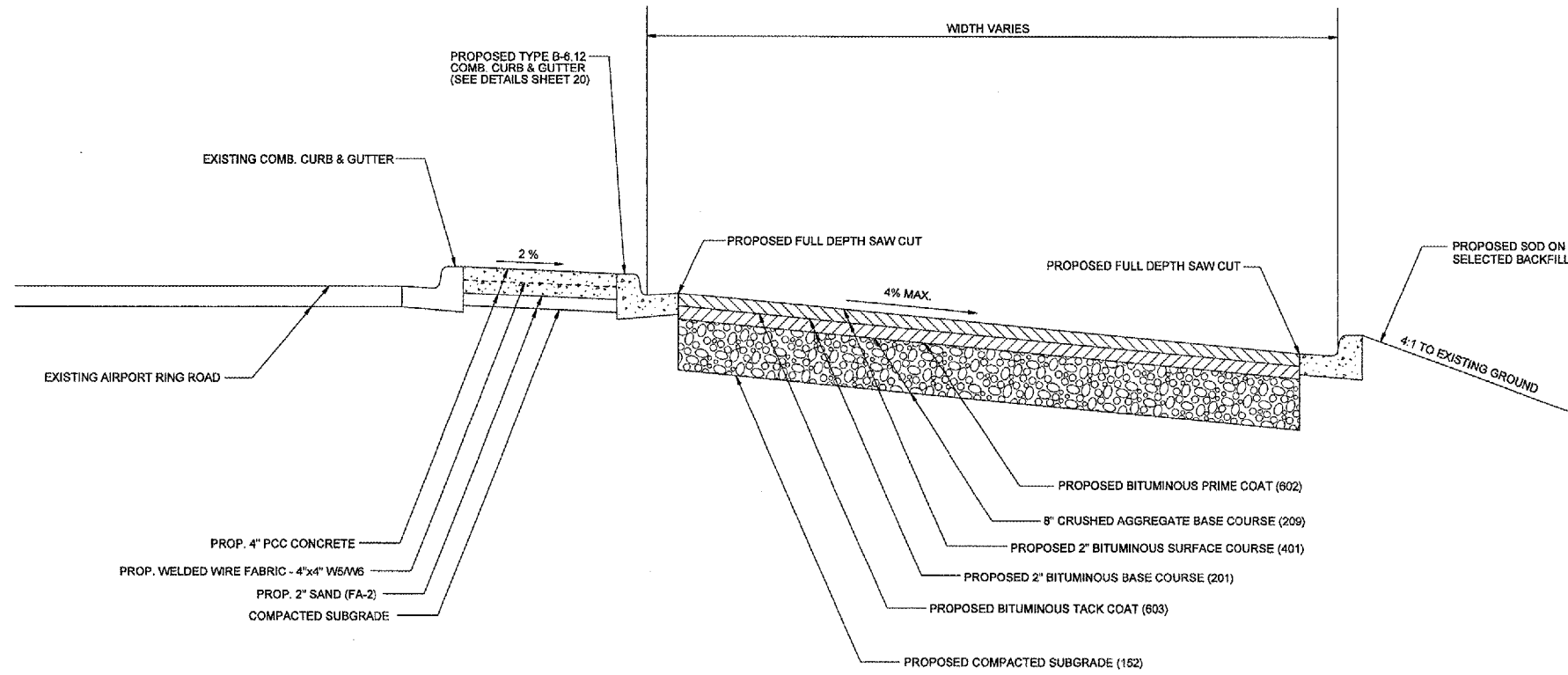
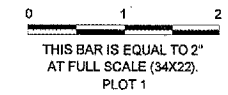
APPROVED January 1, 2003
Michael J. Hone
ENGINEER OF OPERATIONS

APPROVED January 1, 2003
Michael J. Hone
ENGINEER OF DESIGN AND ENVIRONMENT

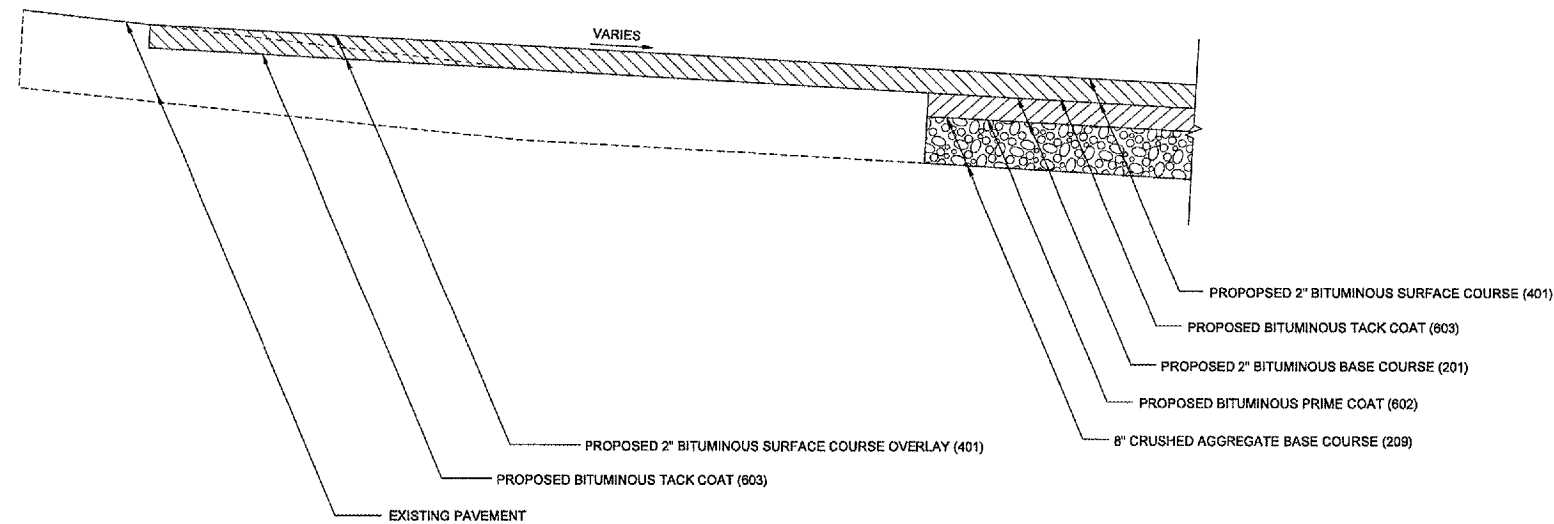
ISSUED 1-1-97

05/26/2005 k:\peoria\05061\03\draw\sheet\09_traffic_control_devices_2.dgn

REVISIONS		
NUMBER	BY	DATE



A NEW PAVEMENT AREA **A**
TYPICAL SECTION
N.T.S.



B EXISTING PAVEMENT AREA **B**
TYPICAL SECTION
N.T.S.

G R E A T E R
Peoria
R E G I O N A L
A i r p o r t

CONSTRUCT, LIGHT & MARK
WEST LONG TERM PARKING LOT

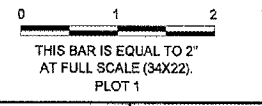
CMT
CRAWFORD, MURPHY & TILLY, INC.
CONSULTING ENGINEERS

IL PROJECT NUMBER
PIA-3385

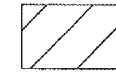










FILE:
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DRAWN BY: JSP
CHECKED BY: BJS
APPROVED BY: CET
DATE: JUNE 17, 2005
JOB No: 05081-03-00

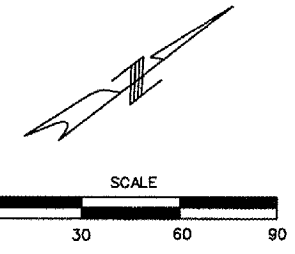
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REVISIONS		
NUMBER	BY	DATE



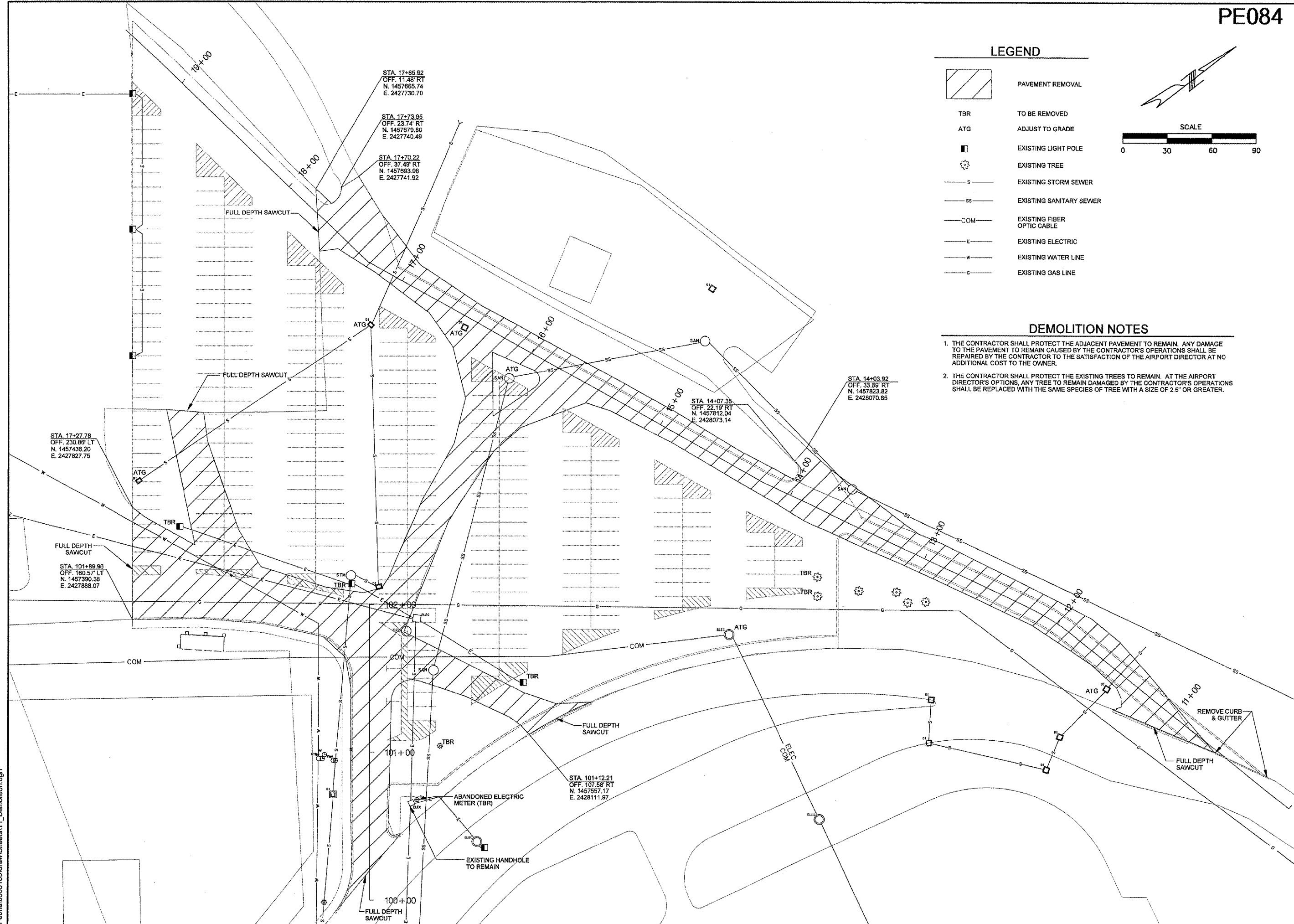
LEGEND

-  PAVEMENT REMOVAL
-  TO BE REMOVED
-  ADJUST TO GRADE
-  EXISTING LIGHT POLE
-  EXISTING TREE
-  EXISTING STORM SEWER
-  EXISTING SANITARY SEWER
-  EXISTING FIBER OPTIC CABLE
-  EXISTING ELECTRIC
-  EXISTING WATER LINE
-  EXISTING GAS LINE



DEMOLITION NOTES

1. THE CONTRACTOR SHALL PROTECT THE ADJACENT PAVEMENT TO REMAIN. ANY DAMAGE TO THE PAVEMENT TO REMAIN CAUSED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE AIRPORT DIRECTOR AT NO ADDITIONAL COST TO THE OWNER.
2. THE CONTRACTOR SHALL PROTECT THE EXISTING TREES TO REMAIN. AT THE AIRPORT DIRECTOR'S OPTIONS, ANY TREE TO REMAIN DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED WITH THE SAME SPECIES OF TREE WITH A SIZE OF 2.5" OR GREATER.



CONSTRUCT, LIGHT & MARK WEST LONG TERM PARKING LOT

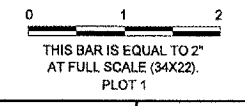


IL PROJECT NUMBER
PIA-3385

FILE:
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APPROVED BY: CET
DATE: JUNE 17, 2005
JOB No: 06061-03-00

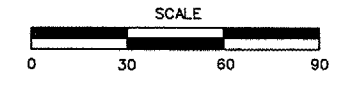
DEMOLITION

REVISIONS		
NUMBER	BY	DATE

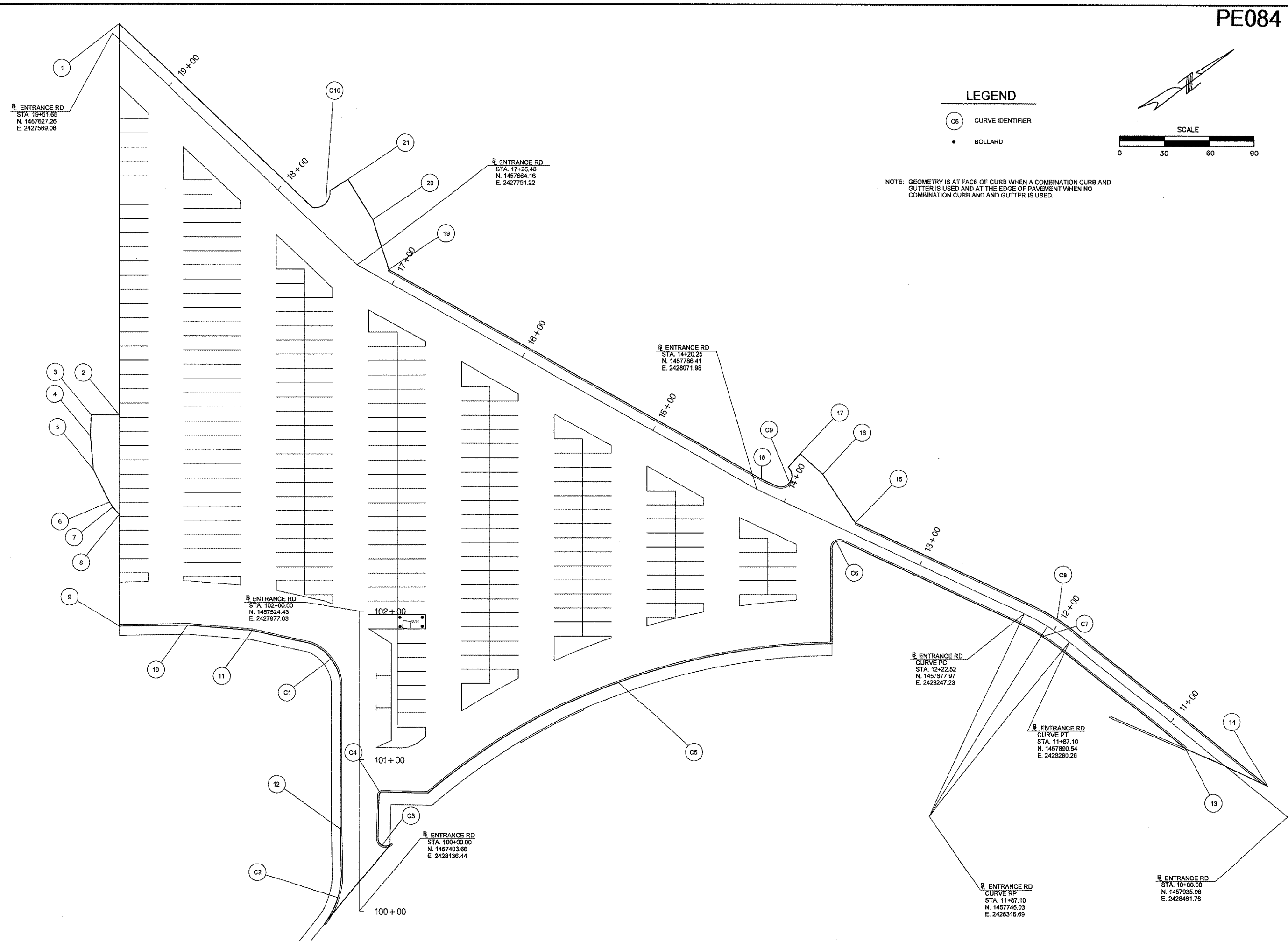


LEGEND

- C6 CURVE IDENTIFIER
- BOLLARD



NOTE: GEOMETRY IS AT FACE OF CURB WHEN A COMBINATION CURB AND GUTTER IS USED AND AT THE EDGE OF PAVEMENT WHEN NO COMBINATION CURB AND AND GUTTER IS USED.

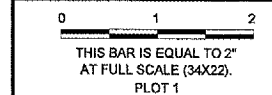


**CONSTRUCT, LIGHT & MARK
WEST LONG TERM PARKING LOT**

IL PROJECT NUMBER PIA-3385
FILE:
DESIGN BY: BWG
DRAWN BY: JSP
CHECKED BY: BJS
APPROVED BY: CET
DATE: JUNE 17, 2005
JOB No: 05061-03-00

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REVISIONS		
NUMBER	BY	DATE

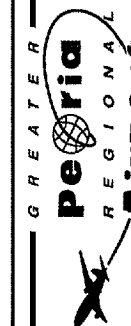


POINT DATA

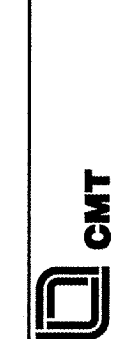
POINT #	BASELINE	STATION	OFFSET	NORTHING	EASTING
1	ENT RD	19+52.72	7.5' RT	1,457,634.48	2,427,566.80
2	ENT RD	17+73.49	182.42' LT	1,457,476.50	2,427,774.73
3	ENT RD	17+87.51	195.24' LT	1,457,461.55	2,427,763.00
4	ENT RD	17+77.53	206.08' LT	1,457,452.46	2,427,774.42
5	ENT RD	17+61.19	220.88' LT	1,457,440.57	2,427,793.16
6	ENT RD	17+38.44	229.25' LT	1,457,436.04	2,427,816.98
7	ENT RD	17+34.48	230.34' LT	1,457,435.61	2,427,821.07
8	ENT RD	17+27.78	230.86' LT	1,457,436.20	2,427,827.75
9	EXIT RD	101+89.96	160.57' LT	1,457,390.38	2,427,888.07
10	EXIT RD	101+90.62	114.75' LT	1,457,427.31	2,427,915.21
11	EXIT RD	101+87.03	71.61' LT	1,457,459.52	2,427,944.12
12	EXIT RD	100+54.32	12.50' LT	1,457,426.50	2,428,085.60
13	ENT RD	10+81.14	7.50' LT	1,457,909.00	2,428,384.87
14	ENT RD	10+22.90	7.50' RT	1,457,937.70	2,428,437.72
15	ENT RD	13+50.81	7.50' RT	1,457,825.21	2,428,130.05
16	ENT RD	13+84.57	27.91' RT	1,457,827.67	2,428,090.68
17	ENT RD	14+03.92	33.69' RT	1,457,823.82	2,428,070.85
18	ENT RD	14+20.75	7.50' RT	1,457,793.08	2,428,068.53
19	ENT RD	17+06.57	7.50' RT	1,457,678.98	2,427,806.48
20	ENT RD	17+40.01	29.30' RT	1,457,690.84	2,427,773.07
21	ENT RD	17+70.22	37.49' RT	1,457,693.98	2,427,741.92

HORIZONTAL CURVE DATA

CURVE #	BASELINE	POINT	STATION	OFFSET	COORDINATES		CURVE ELEMENTS
					NORTHING	EASTING	
C1	EXIT RD	PC	101+78.29	31.72' LT	1,457,486.04	2,427,975.18	RADIUS = 32.71'
	EXIT RD	RP	101+48.34	44.86' LT	1,457,457.48	2,427,991.12	LENGTH = 33.09'
	EXIT RD	PT	101+53.08	12.50' LT	1,457,486.14	2,428,006.87	DELTA = 57.96°
C2	EXIT RD	PC	100+25.79	11.88' LT	1,457,409.76	2,428,108.71	RADIUS = 53.04'
	EXIT RD	RP	100+24.69	64.91' LT	1,457,366.83	2,428,077.56	LENGTH = 36.77'
	EXIT RD	PT	99+91.62	23.41' LT	1,457,398.63	2,428,100.75	DELTA = 39.72°
C3	EXIT RD	PC	100+44.59	21.33' RT	1,457,447.59	2,428,113.77	RADIUS = 5.00'
	EXIT RD	RP	100+47.84	17.52' RT	1,457,446.51	2,428,108.89	LENGTH = 12.40'
	EXIT RD	PT	100+48.06	12.53' RT	1,457,442.66	2,428,105.70	DELTA = 142.06°
C4	EXIT RD	PC	100+76.55	13.24' RT	1,457,460.44	2,428,083.42	RADIUS = 2.00'
	EXIT RD	RP	100+76.50	15.24' RT	1,457,462.01	2,428,084.67	LENGTH = 3.14'
	EXIT RD	PT	100+78.50	15.29' RT	1,457,463.25	2,428,083.10	DELTA = 90.00°
C5	EXIT RD	PC	100+77.74	45.87' RT	1,457,487.16	2,428,102.18	RADIUS = 425.66'
	EXIT RD	RP	97+52.56	320.54' RT	1,457,509.72	2,428,527.24	LENGTH = 294.44'
	EXIT RD	PT	101+78.20	316.52' RT	1,457,763.48	2,428,185.49	DELTA = 39.63°
C6	ENT RD	PC	13+57.66	14.63' LT	1,457,802.43	2,428,134.23	RADIUS = 5.00'
	ENT RD	RP	13+53.14	12.50' LT	1,457,806.41	2,428,137.25	LENGTH = 10.05'
	ENT RD	PT	13+53.14	7.50' LT	1,457,810.84	2,428,134.94	DELTA = 115.18°
C7	ENT RD	PC	12+22.52	7.50' LT	1,457,871.33	2,428,250.70	RADIUS = 142.50'
	ENT RD	RP	11+87.10	150.00' LT	1,457,745.03	2,428,316.69	LENGTH = 33.65'
	ENT RD	PT	11+87.10	7.50' LT	1,457,883.26	2,428,282.08	DELTA = 13.53°
C8	ENT RD	PC	11+87.10	7.50' RT	1,457,897.81	2,428,278.44	RADIUS = 157.50'
	ENT RD	RP	11+87.10	150.00' LT	1,457,745.03	2,428,316.69	LENGTH = 37.19'
	ENT RD	PT	12+22.52	7.50' RT	1,457,884.62	2,428,243.76	DELTA = 13.53°
C9	ENT RD	PC	14+07.35	22.19' RT	1,457,812.04	2,428,073.14	RADIUS = 7.50'
	ENT RD	RP	14+09.50	15.00' RT	1,457,804.68	2,428,074.56	LENGTH = 21.39'
	ENT RD	PT	14+09.50	7.50' RT	1,457,798.03	2,428,078.04	DELTA = 163.38°
C10	ENT RD	PC	17+73.95	23.74' RT	1,457,679.80	2,427,740.49	RADIUS = 10.00'
	ENT RD	RP	17+80.28	16.00' RT	1,457,671.13	2,427,735.52	LENGTH = 19.02'
	ENT RD	PT	17+75.01	7.50' RT	1,457,663.60	2,427,742.11	DELTA = 108.95°



CONSTRUCT, LIGHT & MARK
WEST LONG TERM PARKING LOT



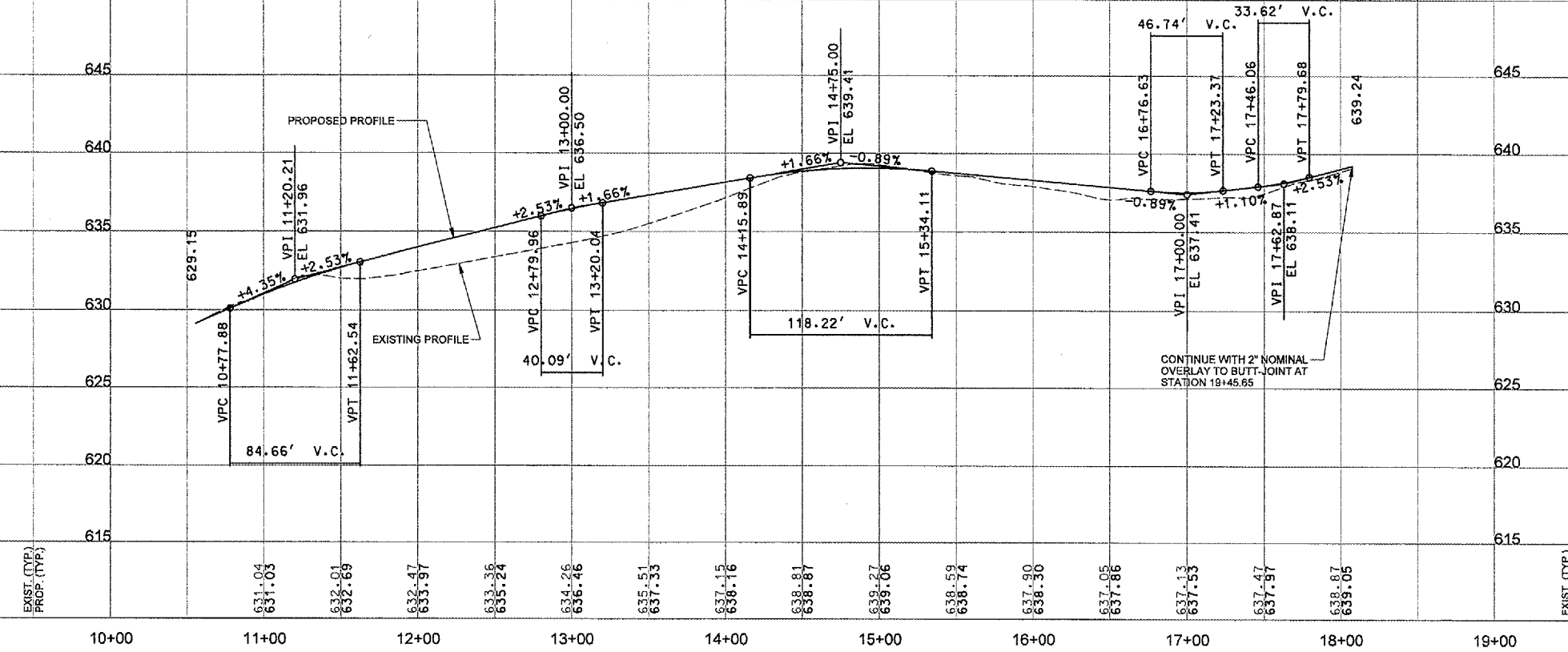
IL PROJECT NUMBER
PIA-3385

FILE:
DESIGN BY: BWG
DRAWN BY: JSP
CHECKED BY: BJS
APPROVED BY: CET
DATE: JUNE 17, 2005
JOB No: 05061-03-00

GEOMETRY SCHEDULE

VERTICAL SCALE: 1" = 5'
HORIZONTAL SCALE: 1" = 50'

PE084

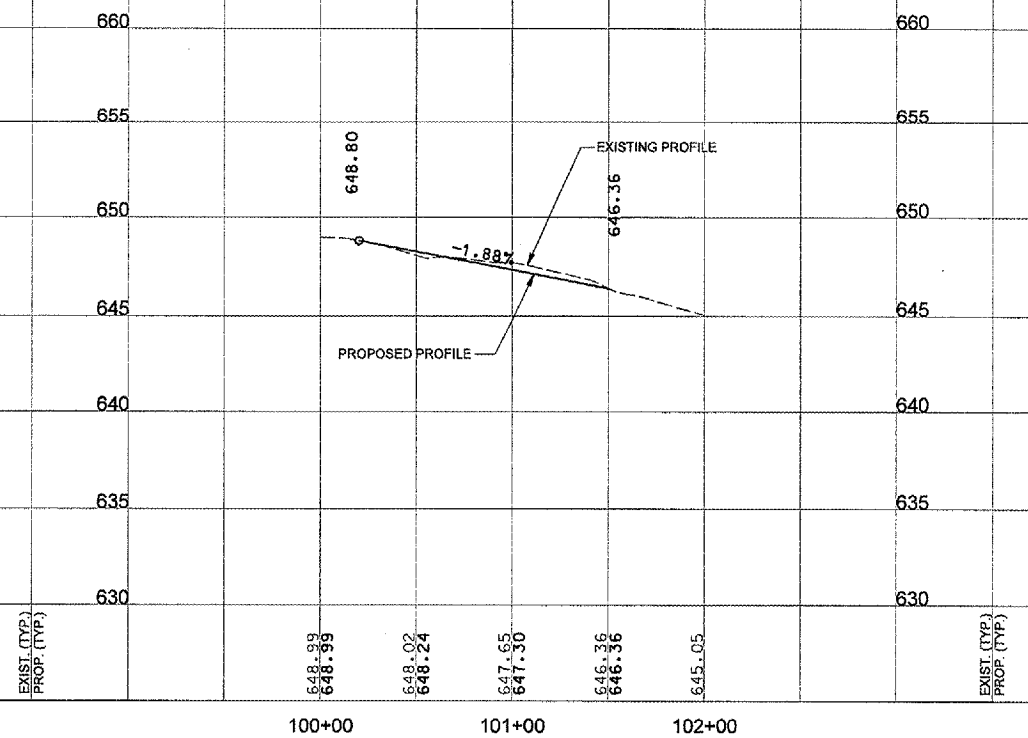


EXIST. (TYP.)
PROP. (TYP.)

10+00 11+00 12+00 13+00 14+00 15+00 16+00 17+00 18+00 19+00

ENTRANCE ROAD PROFILE

VERTICAL SCALE: 1" = 5'
HORIZONTAL SCALE: 1" = 50'



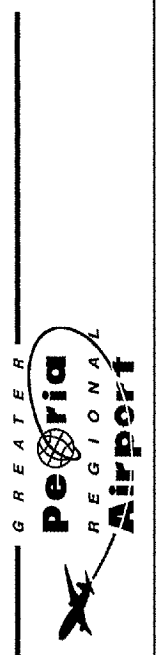
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PROP. (TYP.)

100+00 101+00 102+00

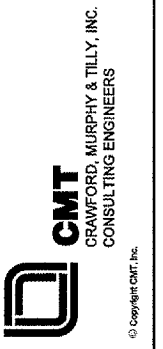
EXIT ROAD PROFILE

REVISIONS		
NUMBER	BY	DATE

0 1 2
THIS BAR IS EQUAL TO 2'
AT FULL SCALE (34X22).
PLOT 1



CONSTRUCT, LIGHT & MARK
WEST LONG TERM PARKING LOT



IL PROJECT NUMBER
PIA-3385

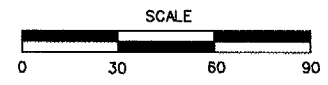
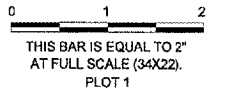
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DESIGN BY: BWG
DRAWN BY: JSP
CHECKED BY: BJS
APPROVED BY: CET
DATE: JUNE 17, 2005
JOB No: 05061-03-00

ROADWAY PROFILES

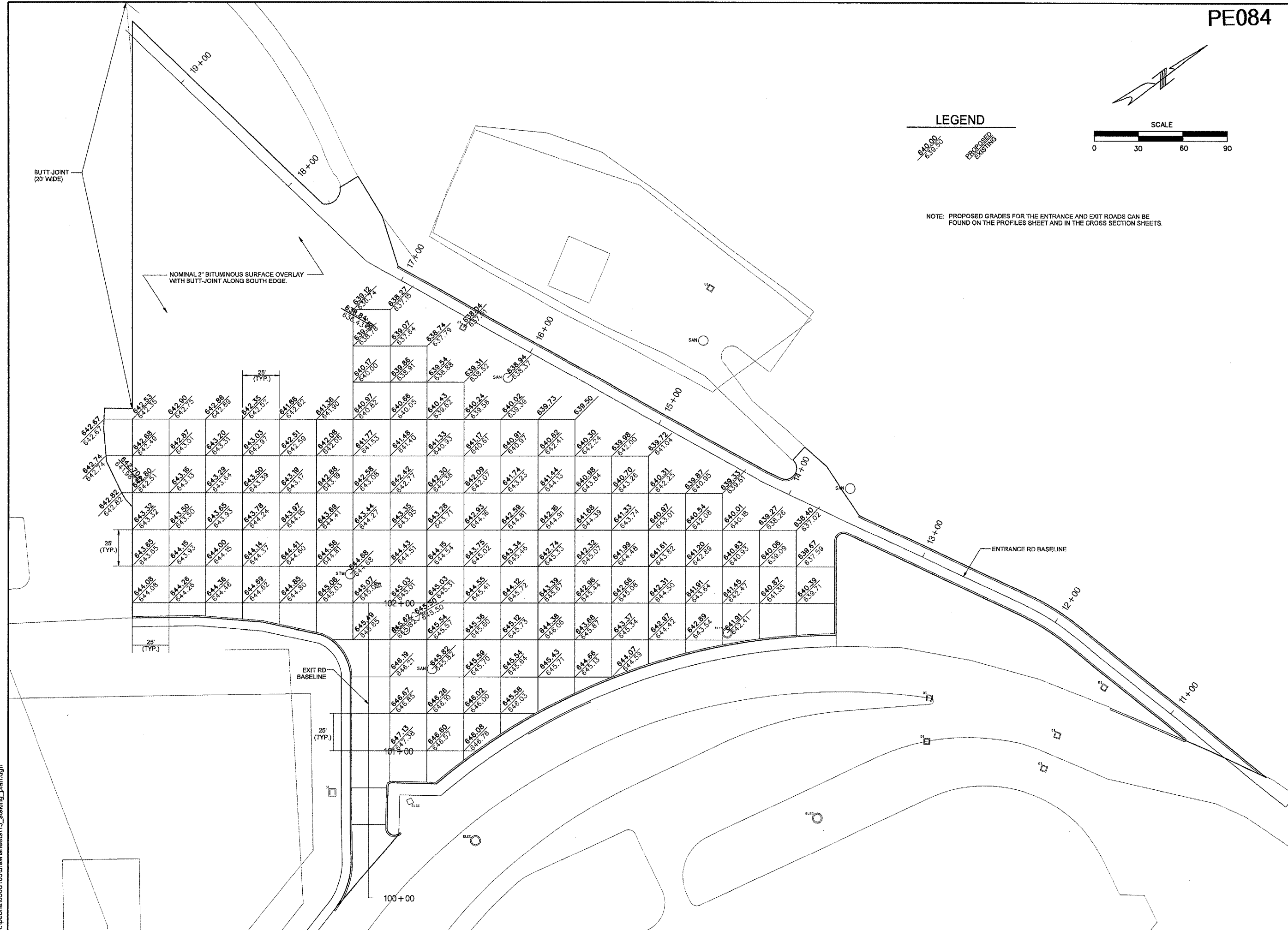
SHEET 14 OF 41 SHEETS

05/26/2005
k:\peoria\0506103\draw\sheet14_profiles.dgn

REVISIONS		
NUMBER	BY	DATE



NOTE: PROPOSED GRADES FOR THE ENTRANCE AND EXIT ROADS CAN BE FOUND ON THE PROFILES SHEET AND IN THE CROSS SECTION SHEETS.



GREATER Peoria REGIONAL Airport

CONSTRUCT, LIGHT & MARK WEST LONG TERM PARKING LOT

CMT
CRAWFORD, MURPHY & TILLY, INC.
CONSULTING ENGINEERS

IL PROJECT NUMBER
PIA-3385

FILE: _____

DESIGN BY: BWG

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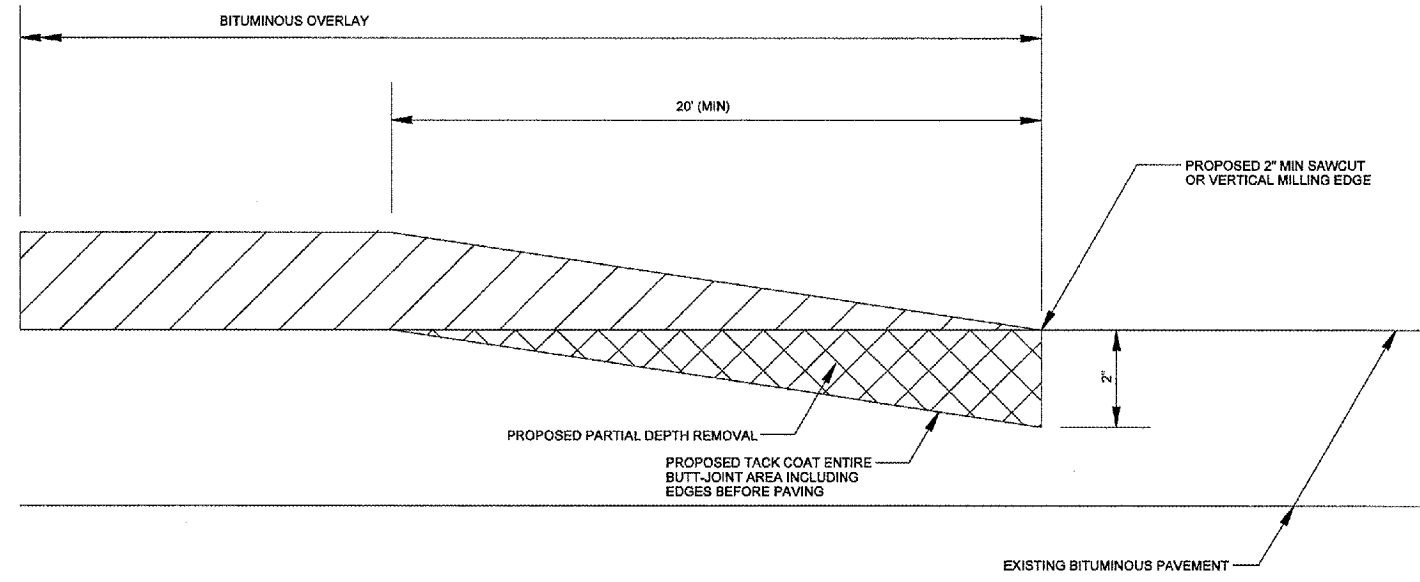
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JOB No: 05061-03-00

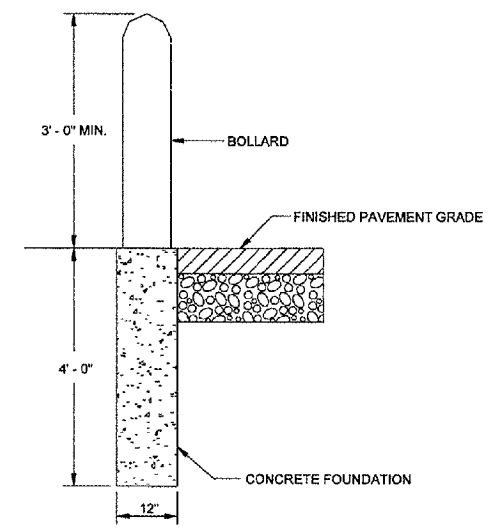
05/26/2005 k:\peoria\0506103\draw\sheet15_staking_plan.dgn

REVISIONS		
NUMBER	BY	DATE

0 1 2
 THIS BAR IS EQUAL TO 2"
 AT FULL SCALE (34X22).
 PLOT 1



BUTT-JOINT DETAIL
 N.T.S.



BOLLARD DETAIL
 N.T.S.

NOTE: BOLLARD SHALL BE YELLOW, OR OTHER COLOR APPROVED BY THE ENGINEER.

G R E A T E R
Peoria
 R E G I O N A L
Airport

**CONSTRUCT, LIGHT & MARK
 WEST LONG TERM PARKING LOT**

CMT
 CRAWFORD, MURPHY & TILLY, INC.
 CONSULTING ENGINEERS

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IL PROJECT NUMBER
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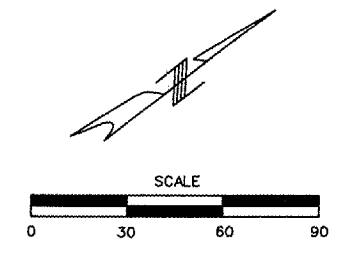
JOB No: 05061-03-00

**BUTT-JOINT
 & BOLLARD
 DETAIL**

PE084

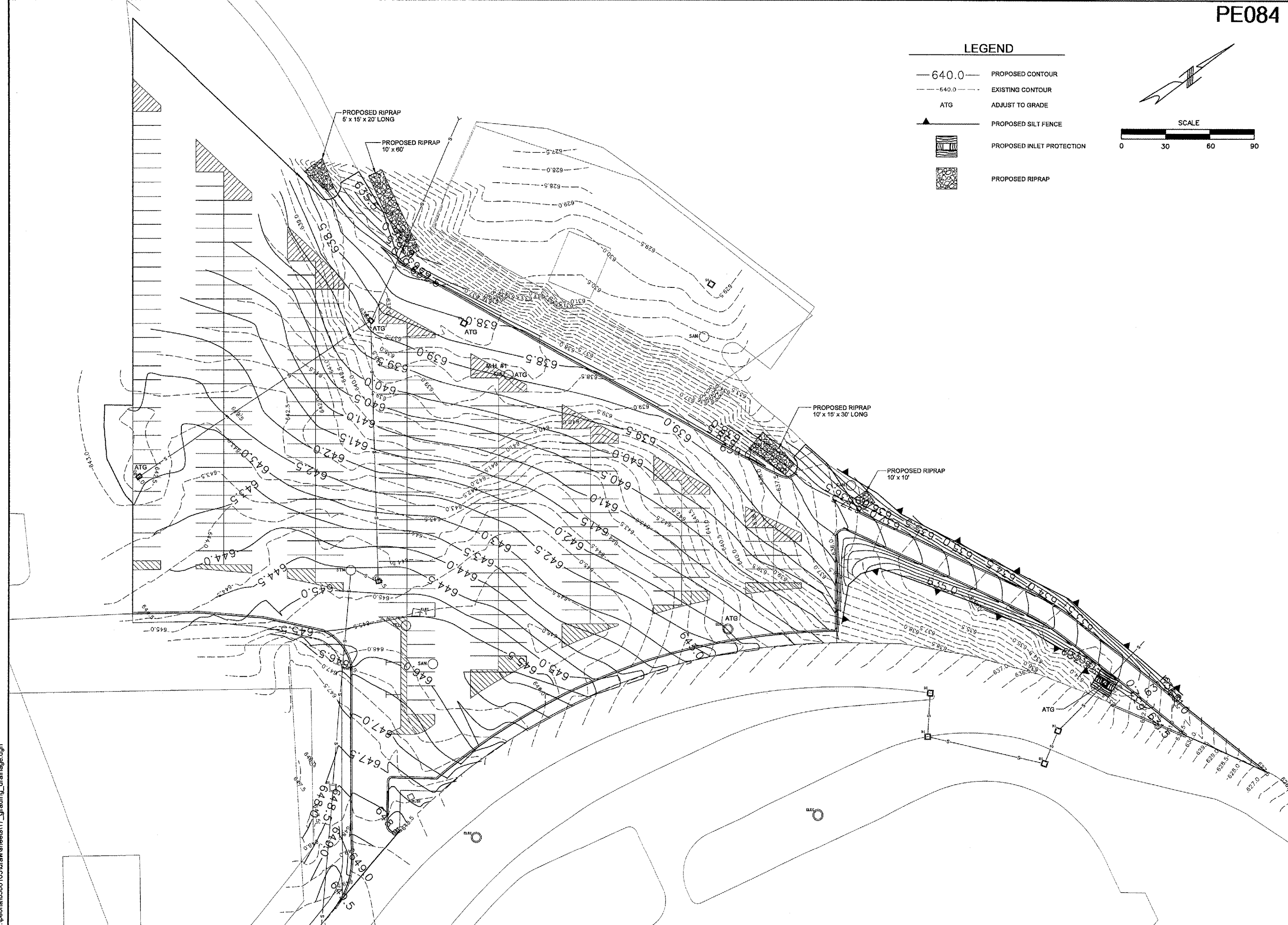
LEGEND

- 640.0 — PROPOSED CONTOUR
- - - 640.0 - - - EXISTING CONTOUR
- ATG ADJUST TO GRADE
- ▲ PROPOSED SILT FENCE
- [Hatched Box] PROPOSED INLET PROTECTION
- [Stippled Box] PROPOSED RIPRAP



REVISIONS		
NUMBER	BY	DATE

0 1 2
 THIS BAR IS EQUAL TO 2"
 AT FULL SCALE (34X22).
 PLOT 1



Greater Peoria Regional Airport

CONSTRUCT, LIGHT & MARK WEST LONG TERM PARKING LOT

CMT
 CRAWFORD, MURPHY & TILLY, INC.
 CONSULTING ENGINEERS

IL PROJECT NUMBER
 PIA-3385

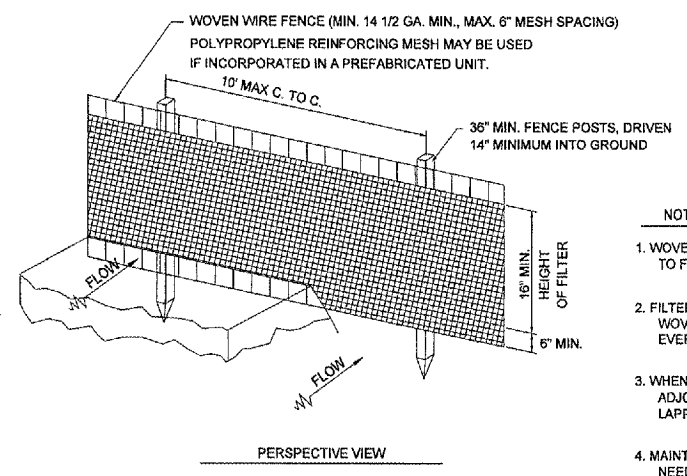
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DATE: JUNE 17, 2005
JOB No: 05061-03-00

GRADING AND DRAINAGE PLAN

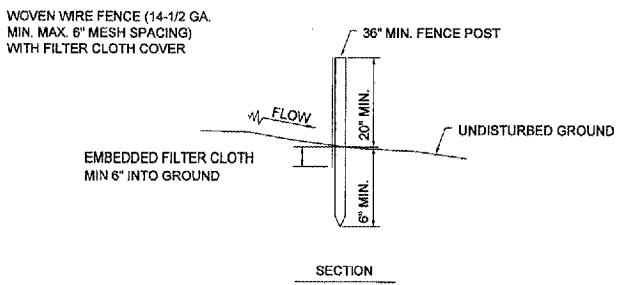
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REVISIONS		
NUMBER	BY	DATE

0 1 2
THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22).
PLOT 1

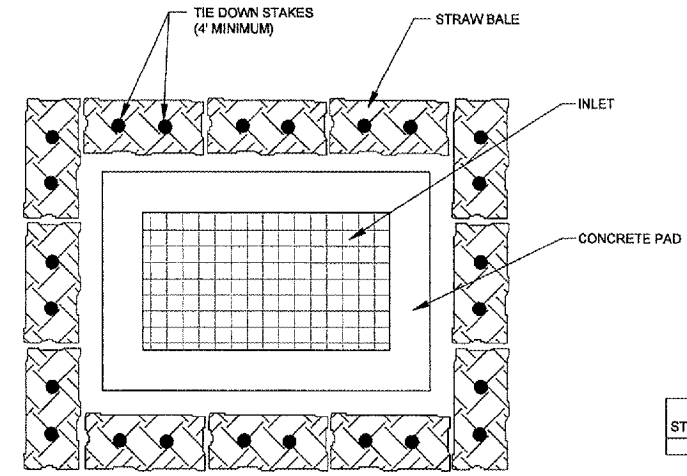


- NOTES:
1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
 2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
 3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY 6" MIN. AND FOLDED.
 4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE. MAINTENANCE, WHICH INCLUDES THE REPLACEMENT OF DAMAGED FENCE SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE EROSION CONTROL FENCE.

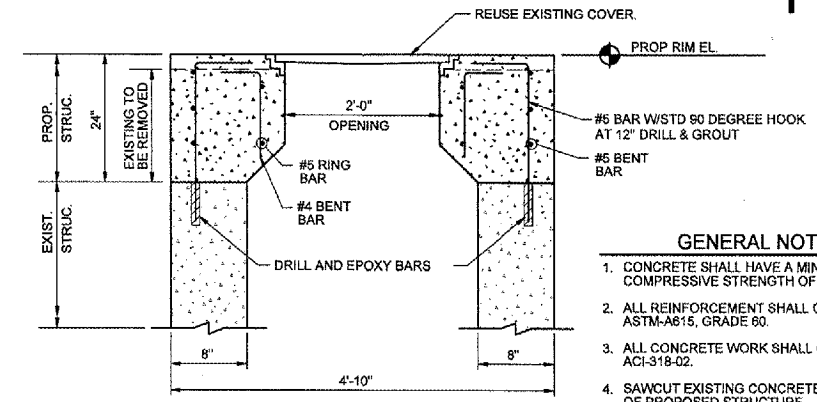


- POSTS: STEEL EITHER T OR U TYPE OR 2" HARDWOOD
- FENCE: WOVEN WIRE, 14-1/2 GA. 6" MAX MESH OPENING POLYPROPYLENE MESH, IF INCORPORATED IN PREFAB UNIT.
- FILTER CLOTH: FILTER X, MIRA F1100X, STABILINKA T140N OR EQUAL
- PREFABRICATED UNIT: GEOFAB ENVIROFENCE, GSI SILT FENCE WITH REINFORCING MESH OR EQUAL

EROSION CONTROL FABRIC FENCE DETAIL
N.T.S.



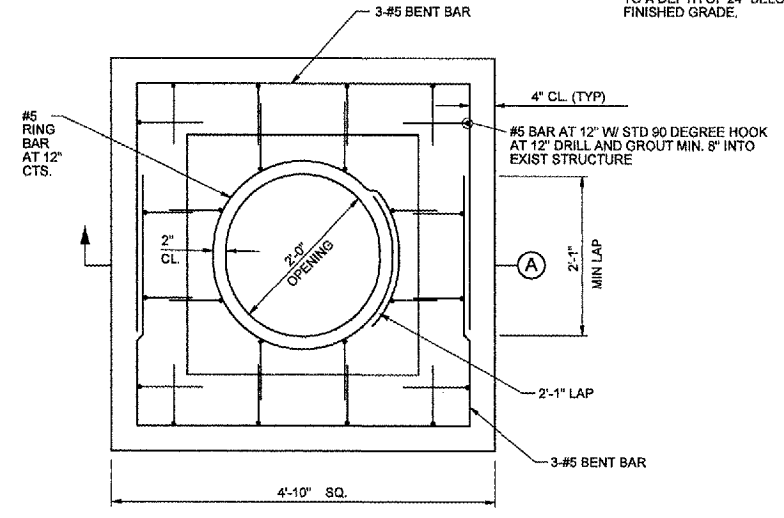
INLET EROSION PROTECTION DETAIL
N.T.S.



- GENERAL NOTES:
1. CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4000 PSI.
 2. ALL REINFORCEMENT SHALL CONFORM TO ASTM-A615, GRADE 60.
 3. ALL CONCRETE WORK SHALL CONFORM TO ACI-318-02.
 4. SAWCUT EXISTING CONCRETE AT LOCATIONS OF PROPOSED STRUCTURE.
 5. TOP OF STRUCTURE TO RECEIVE A BROOM FINISH.
 6. REMOVE THE EXISTING TOP OF STRUCTURE TO A DEPTH OF 24" BELOW THE PROPOSED FINISHED GRADE.

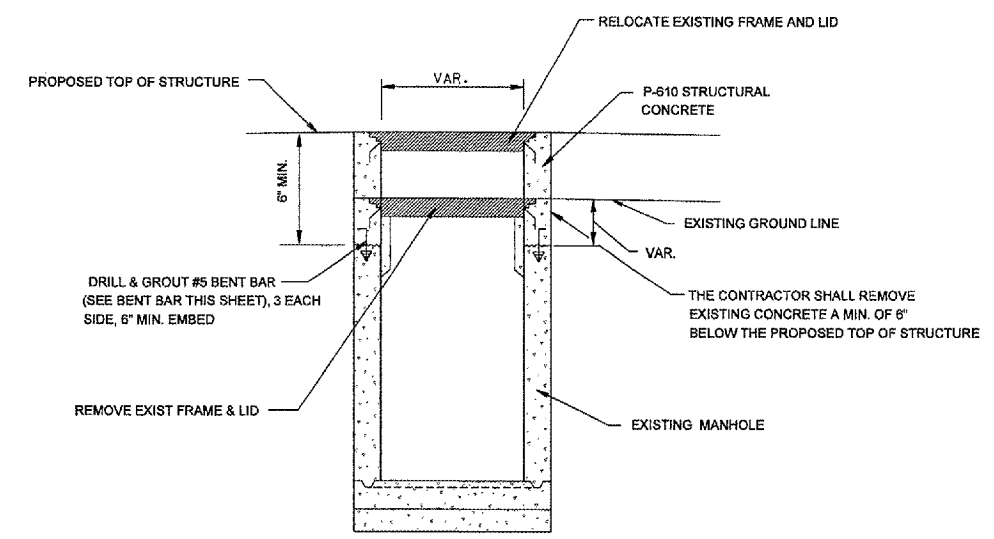
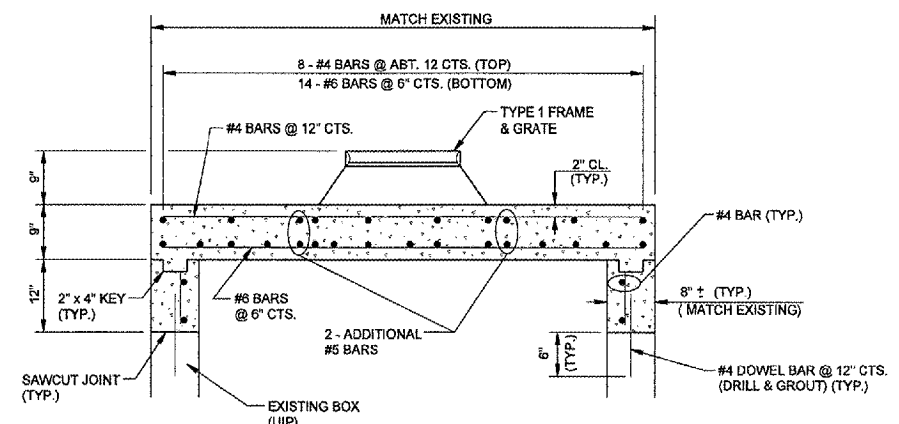
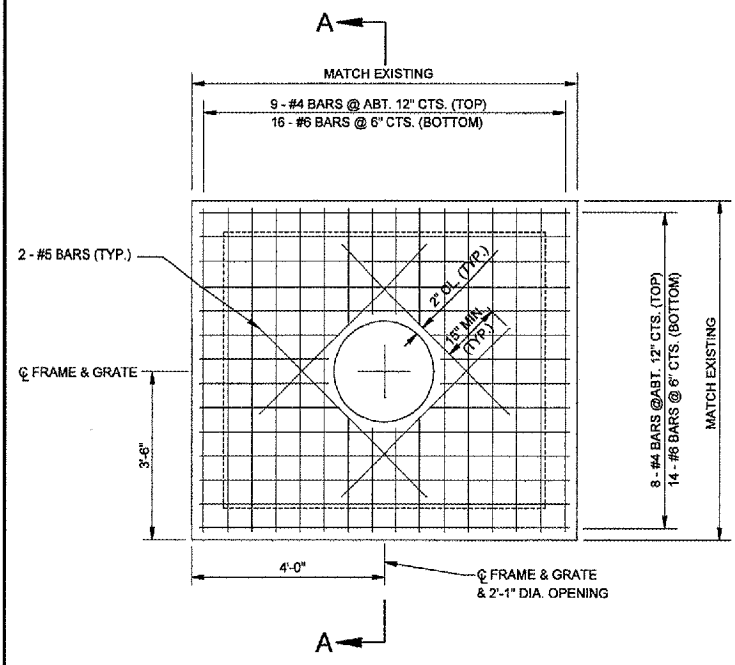
STRUCTURE	EXISTING RIM EL.	PROPOSED RIM EL.
M.H. #1	640.42	638.94

A SECTION

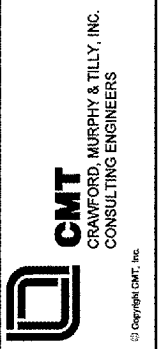


MANHOLE ADJUSTMENT DETAIL
N.T.S.

NOTE: REMOVE EXISTING CONE TOP AND REPLACE WITH DETAIL SHOWN. ALTERNATE METHOD MAY BE USED WITH PRIOR APPROVAL FROM ENGINEER. ACTUAL DIMENSIONS MAY VARY FROM THOSE SHOWN.



CONSTRUCT, LIGHT & MARK WEST LONG TERM PARKING LOT

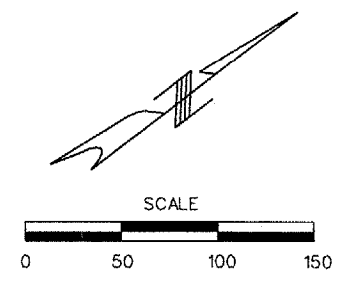
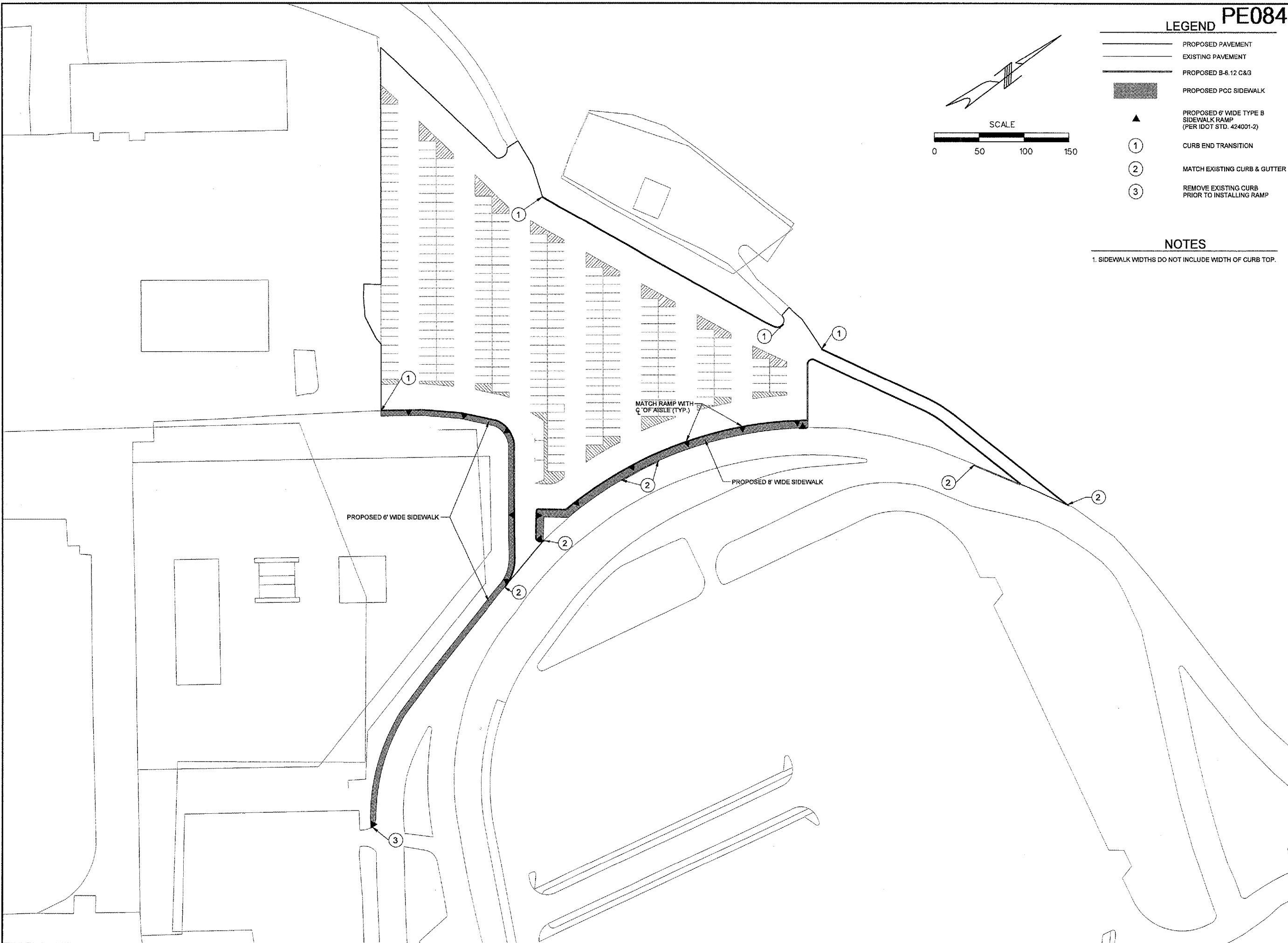


IL PROJECT NUMBER
PIA-3385

FILE:
DESIGN BY: BWG
DRAWN BY: JSP
CHECKED BY: BJS
APPROVED BY: CET
DATE: JUNE 17, 2005
JOB No: 05081-03-00

DRAINAGE DETAILS

05/26/2005
K:\Peoria\0508103\draw\Sheets\19_SidewalkPlan.dgn



LEGEND PE084

- PROPOSED PAVEMENT
- EXISTING PAVEMENT
- PROPOSED B-6.12 C&G
- PROPOSED PCC SIDEWALK
- PROPOSED 6' WIDE TYPE B SIDEWALK RAMP (PER IDOT STD. 424001-2)
- CURB END TRANSITION
- MATCH EXISTING CURB & GUTTER
- REMOVE EXISTING CURB PRIOR TO INSTALLING RAMP

NOTES
1. SIDEWALK WIDTHS DO NOT INCLUDE WIDTH OF CURB TOP.

REVISIONS		
NUMBER	BY	DATE

0 1 2
THIS BAR IS EQUAL TO 2' AT FULL SCALE (34X22).
PLOT 1

G R E A T E R
Peoria
R E G I O N A L
Airport

**CONSTRUCT, LIGHT & MARK
WEST LONG TERM PARKING LOT**

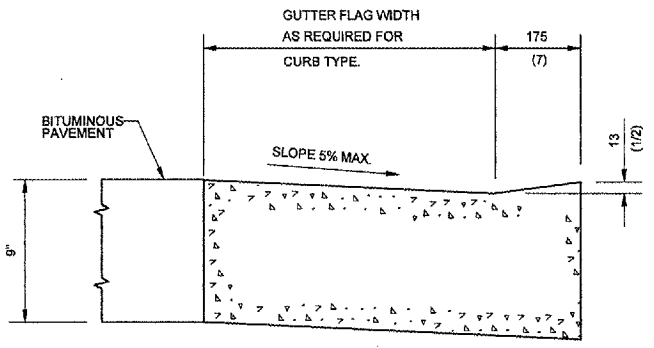
CMT
CRAWFORD, MURPHY & TILLY, INC.
CONSULTING ENGINEERS

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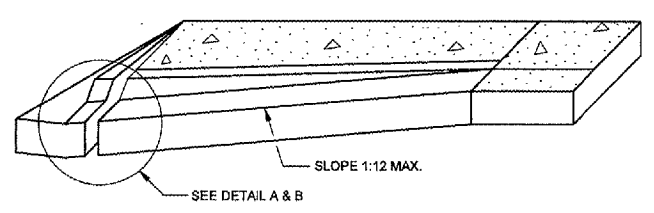
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SIDEWALK AND CURB PLAN
SHEET 19 OF 41 SHEETS

REVISIONS		
NUMBER	BY	DATE

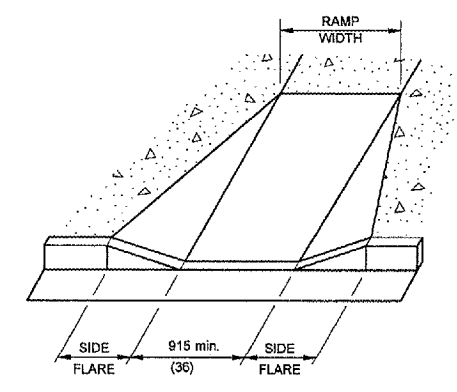
0 1 2
THIS BAR IS EQUAL TO 2"
AT FULL SCALE (34X22).
PLOT 1



DEPRESSED CURB



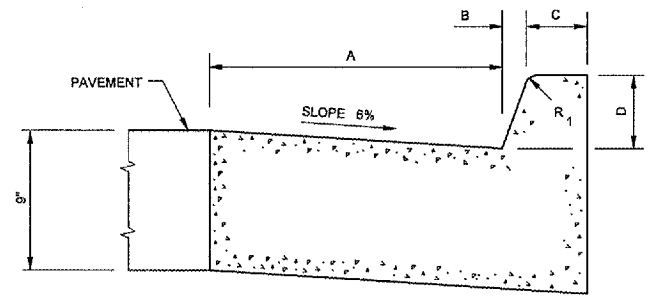
RAMP PROFILE



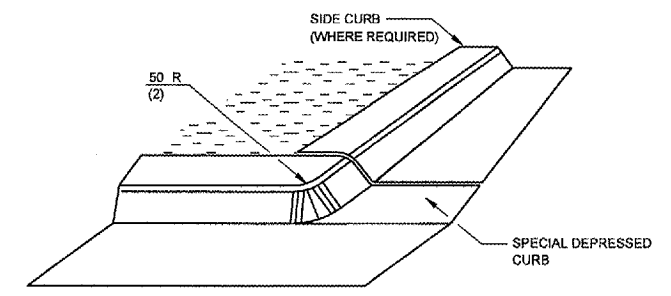
TYPE B

GENERAL NOTES

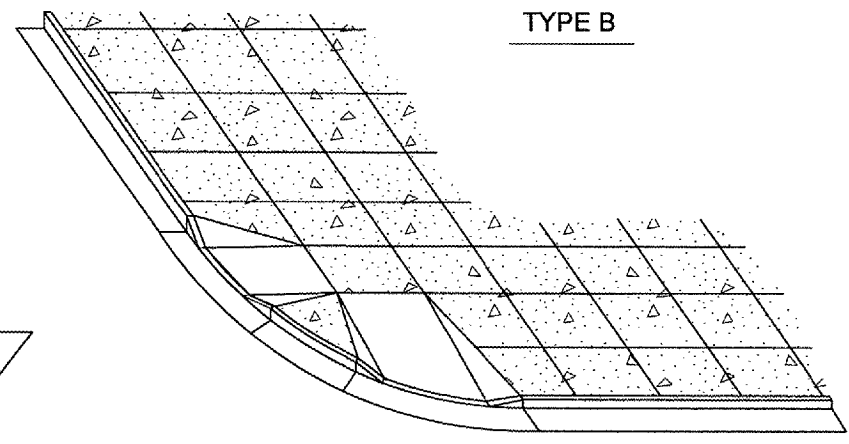
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES)
UNLESS OTHERWISE SHOWN.



BARRIER CURB



DETAIL B



TYPE B RAMPS

LEGEND

- SIDEWALK
- TEXTURED RAMPS SURFACE
- NON WALKING AREA

SIDEWALK NOTES

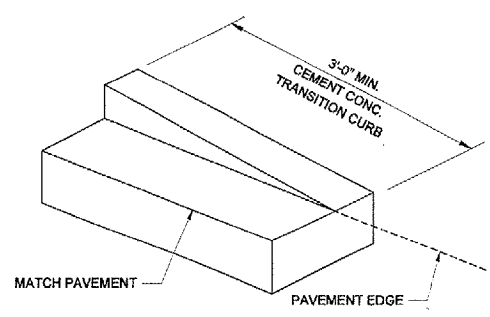
RAMP TEXTURING IS TO BE DONE WITH AN EXPANDED METAL GRATE PLACED AND REMOVED FROM WET CONCRETE TO LEAVE A DIAMOND PATTERN AS SHOWN. THE LONG AXIS OF THE DIAMOND PATTERN SHALL BE PERPENDICULAR TO THE CURB. GROOVES SHALL BE 3 MM (1/8 ") DEEP AND 6 MM (1/4 ") WIDE.

THE MAXIMUM SLOPE OF THE SIDE FLARE FOR TYPE B RAMPS SHALL BE 1:10; HOWEVER, IF THE WIDTH OF THE LANDING AREA BETWEEN THE TOP OF THE RAMP AND AN OBSTRUCTION IS LESS THAN 1.2 M (4'-0") THEN THE MAXIMUM SLOPE SHALL BE 1:12.

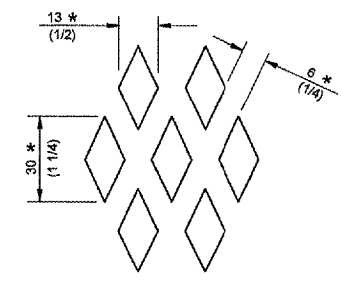
ALL SLOPE RATIOS ARE EXPRESSED AS UNITS OF VERTICAL DISPLACEMENT TO UNITS OF HORIZONTAL DISPLACEMENT (V:H).

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.

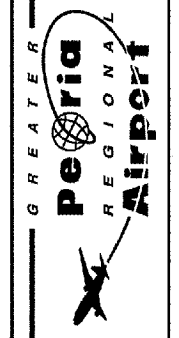
TABLE OF DIMENSIONS BARRIER CURB					
TYPE	A	B	C	D	R ₁
B-15.30 (8-6.12)	300 (12)	25 (1)	150 (6)	150 (6)	25 (1)



CURB END DETAIL



RAMP TEXTURE DETAIL
(* NOMINAL DIMENSIONS)



CONSTRUCT, LIGHT & MARK
WEST LONG TERM PARKING LOT

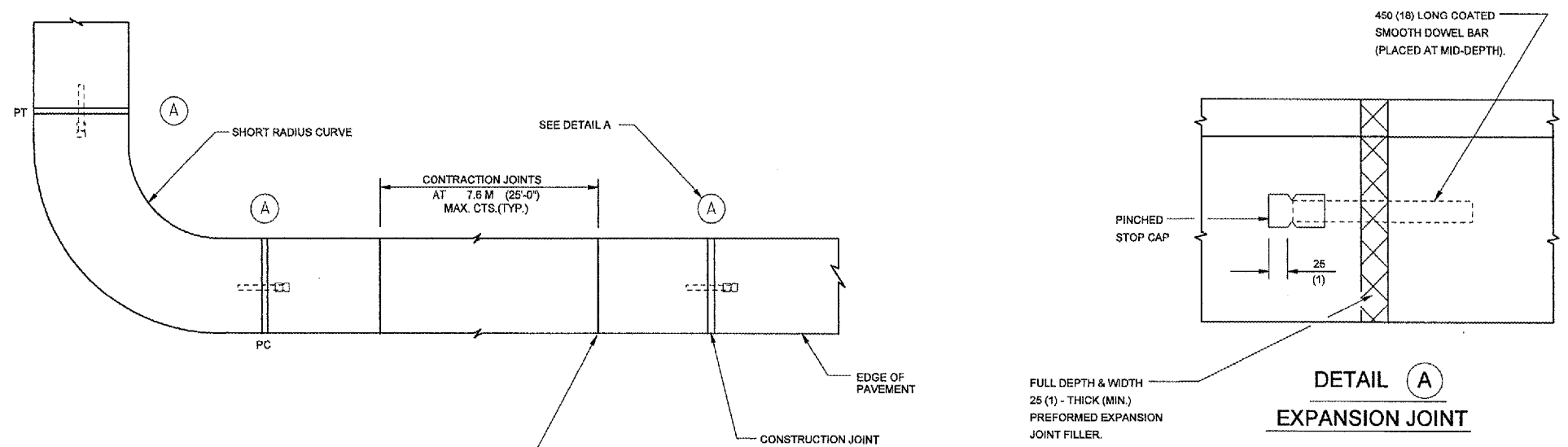
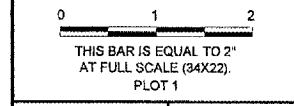


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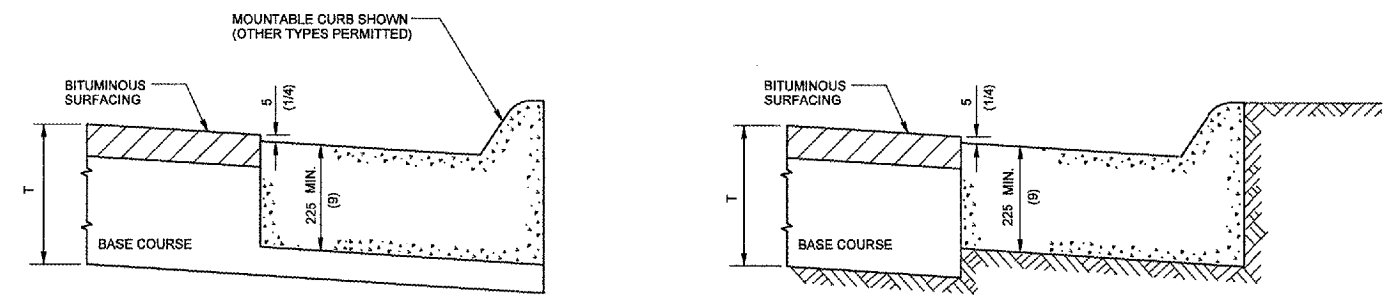
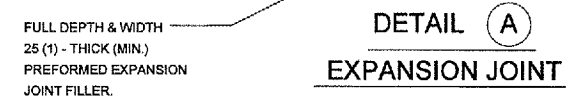
SIDEWALK AND CURB
DETAILS
SHEET 1 OF 2

REVISIONS		
NUMBER	BY	DATE



- UNDOWELED CONTRACTION JOINT (TYP.)
CONSTRUCTION OPTION:
1. FORM WITH 3 (1/8) THICK STEEL TEMPLATE 50 (2) DEEP, AND SEAL.
 2. SAW 50 (2) DEEP AT 4 TO 24 HOURS, AND SEAL.
 3. INSERT 20 (3/4) THICK PREFORMED JOINT FILLER FULL DEPTH AND WIDTH.

PLAN
N.T.S.



ON DISTURBED SUBGRADE **ON UNDISTURBED SUBGRADE**

ADJACENT TO FLEXIBLE PAVEMENT
N.T.S.

GREATER Peoria REGIONAL Airport

CONSTRUCT, LIGHT & MARK WEST LONG TERM PARKING LOT

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CONSULTING ENGINEERS

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PIA-3385

FILE: _____

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CHECKED BY: BJS

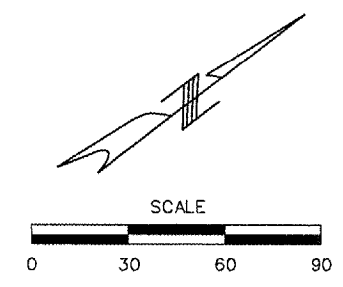
APPROVED BY: CET

DATE: JUNE 17, 2006

JOB No: 05061-03-00

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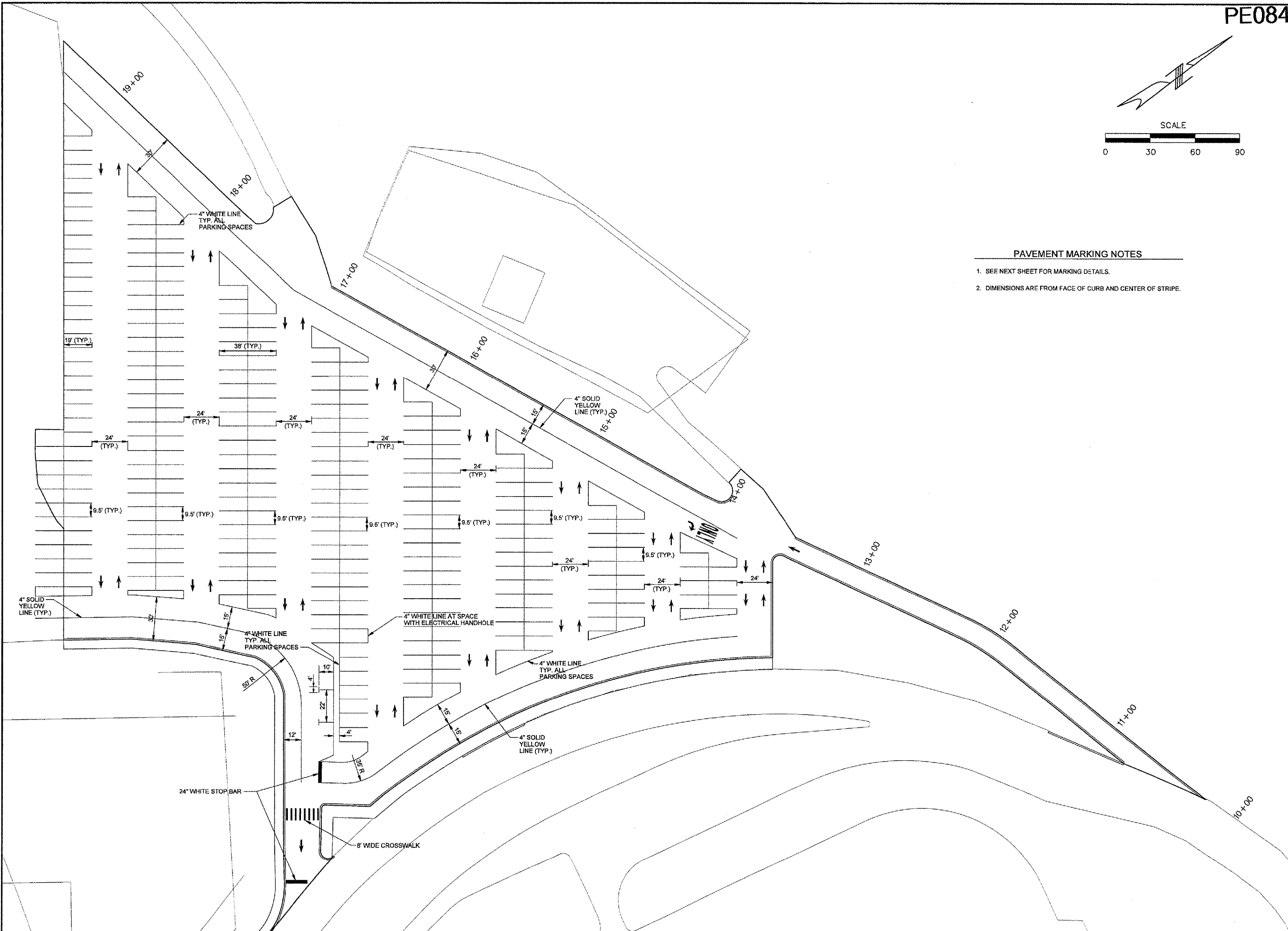
REVISIONS		
NUMBER	BY	DATE



0 1 2
THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22), PLOT 1

PAVEMENT MARKING NOTES

1. SEE NEXT SHEET FOR MARKING DETAILS.
2. DIMENSIONS ARE FROM FACE OF CURB AND CENTER OF STRIPE.



GREATER Peoria REGIONAL Airport

CONSTRUCT, LIGHT & MARK WEST LONG TERM PARKING LOT

CMT
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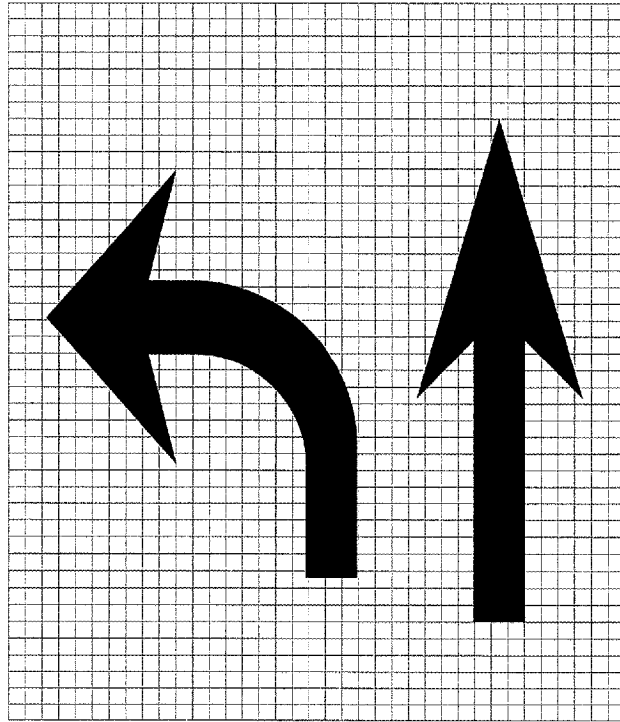
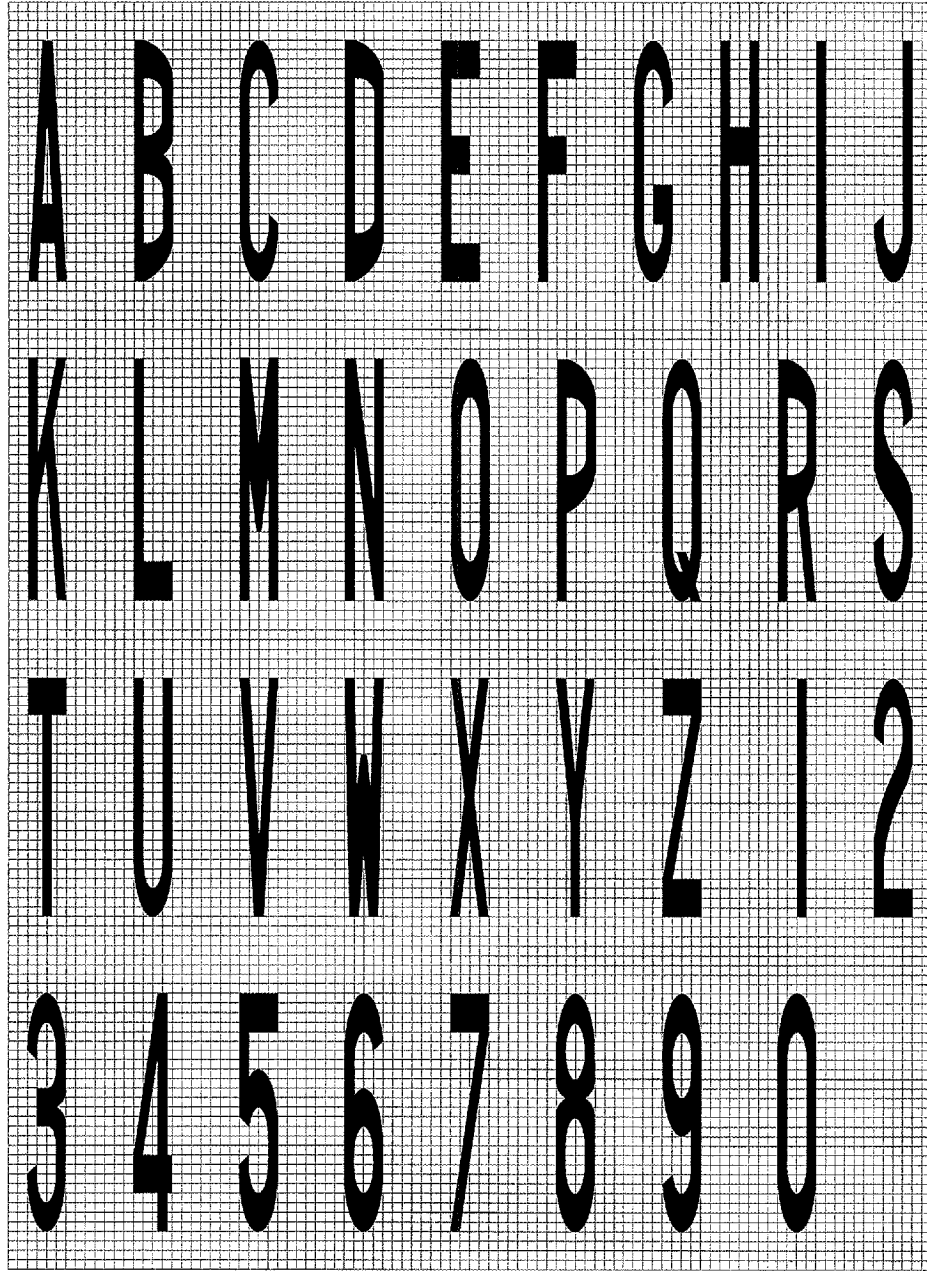
PAVEMENT MARKING PLAN

SHEET 22 OF 41 SHEETS

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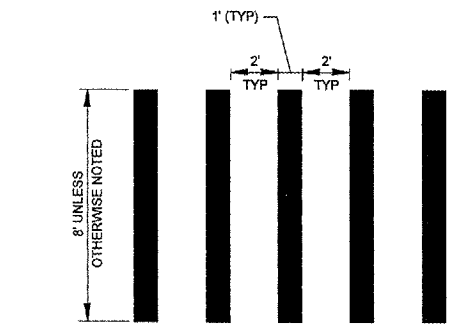
0 1 2
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 PLOT 1



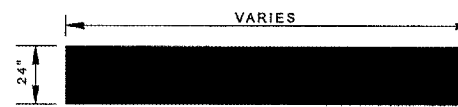
LEGEND HEIGHT	ARROW SIZE	a
6'	SMALL	2.9"
8'	LARGE	3.8"

THE SPACE BETWEEN ADJACENT LETTERS OR NUMERALS SHOULD BE APPROXIMATELY 3" FOR 6' LEGEND AND 4" FOR 8' LEGEND.

LETTER AND ARROW GRID SCALE



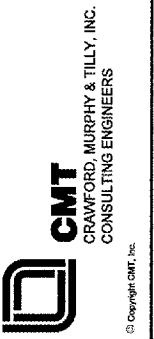
CROSSWALK DETAIL
 N.T.S.



STOP BAR DETAIL
 N.T.S.



CONSTRUCT, LIGHT & MARK
 WEST LONG TERM PARKING LOT



IL PROJECT NUMBER
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PAVEMENT MARKING
 DETAILS

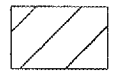


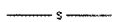
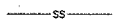


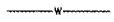
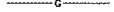
NUMBER	BY	DATE

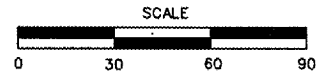
0 1 2
 THIS BAR IS EQUAL TO 2'
 AT FULL SCALE (34X22).
 PLOT 1

EXISTING ELECTRICAL NOTES

- EXISTING UTILITIES SHOWN ARE BASED ON BEST AVAILABLE INFORMATION. PRIOR TO COMMENCING ANY WORK, THE ELECTRICAL CONTRACTOR SHALL PRECISELY LOCATE, MARK AND IDENTIFY ALL EXISTING UTILITIES, INCLUDING WATER LINES, SANITARY AND STORM SEWERS, GAS LINES, AIRPORT SECURITY COMMUNICATIONS FIBER OPTIC CABLES, ELECTRICAL CIRCUITS AND SERVICES, ETC., IN THE CONSTRUCTION AREA.
- ALL EXISTING ELECTRICAL CIRCUITS AND SERVICES SHALL BE IDENTIFIED REGARDING ORIGIN AND EQUIPMENT/BUILDINGS SERVED.
- THE ELECTRICAL CONTRACTOR SHALL NOTE THAT, UNLESS SPECIFICALLY NOTED IN THE NOMENCLATURE ON THIS SHEET TO BE REMOVED OR ABANDONED, ALL EXISTING ELECTRICAL CIRCUITS AND SERVICES SHALL REMAIN IN SERVICE.
- NOTE THAT THE EXISTING HIGH VOLTAGE (4160V) AMEREN/CILCO UTILITY SERVICE IS CONSIDERED A CRITICAL SERVICE AND UNDER NO CIRCUMSTANCES SHALL IT BE DISTURBED IN ANY WAY. FAILURE TO COMPLY WITH THIS REQUIREMENT WILL RESULT IN LOSS OF POWER TO AIRPORT TERMINAL BUILDING, FAA FACILITIES, AIRPORT SECURITY FACILITIES, AIRFIELD LIGHTING FACILITIES, AND OTHER BUILDINGS AND FACILITIES.
- THE ELECTRICAL CONTRACTOR SHALL PRECISELY DETERMINE, LOCATE AND MARK ALL EXISTING UTILITIES PRIOR TO COMMENCING DRILLING FOR ANY LIGHT FIXTURE FOUNDATIONS, OR INSTALLATION OF ANY ELECTRICAL DUCT BANKS. NOTE THAT AN ALTERNATE LOCATION FOR FIXTURE 7-4 IS INDICATED IN LIGHTING PLAN SHOULD LOCATION OF EXISTING UTILITIES IN THAT AREA REQUIRE IT.

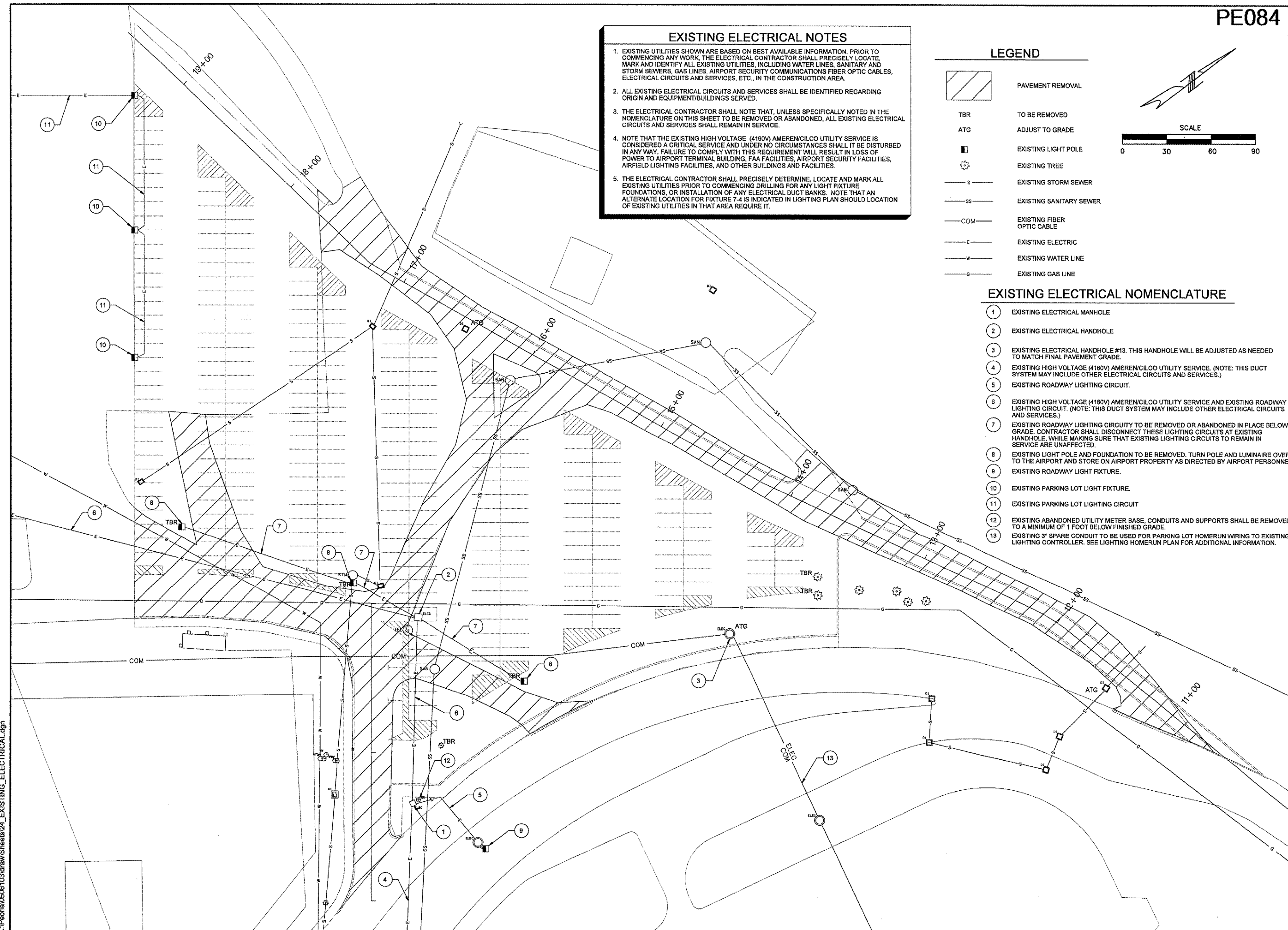
LEGEND

-  PAVEMENT REMOVAL
- TBR TO BE REMOVED
- ATG ADJUST TO GRADE
-  EXISTING LIGHT POLE
-  EXISTING TREE
-  EXISTING STORM SEWER
-  EXISTING SANITARY SEWER
-  EXISTING FIBER OPTIC CABLE
-  EXISTING ELECTRIC
-  EXISTING WATER LINE
-  EXISTING GAS LINE



EXISTING ELECTRICAL NOMENCLATURE

- EXISTING ELECTRICAL MANHOLE
- EXISTING ELECTRICAL HANDHOLE
- EXISTING ELECTRICAL HANDHOLE #13. THIS HANDHOLE WILL BE ADJUSTED AS NEEDED TO MATCH FINAL PAVEMENT GRADE.
- EXISTING HIGH VOLTAGE (4160V) AMEREN/CILCO UTILITY SERVICE. (NOTE: THIS DUCT SYSTEM MAY INCLUDE OTHER ELECTRICAL CIRCUITS AND SERVICES.)
- EXISTING ROADWAY LIGHTING CIRCUIT.
- EXISTING HIGH VOLTAGE (4160V) AMEREN/CILCO UTILITY SERVICE AND EXISTING ROADWAY LIGHTING CIRCUIT. (NOTE: THIS DUCT SYSTEM MAY INCLUDE OTHER ELECTRICAL CIRCUITS AND SERVICES.)
- EXISTING ROADWAY LIGHTING CIRCUITY TO BE REMOVED OR ABANDONED IN PLACE BELOW GRADE. CONTRACTOR SHALL DISCONNECT THESE LIGHTING CIRCUITS AT EXISTING HANDHOLE, WHILE MAKING SURE THAT EXISTING LIGHTING CIRCUITS TO REMAIN IN SERVICE ARE UNAFFECTED.
- EXISTING LIGHT POLE AND FOUNDATION TO BE REMOVED. TURN POLE AND LUMINAIRE OVER TO THE AIRPORT AND STORE ON AIRPORT PROPERTY AS DIRECTED BY AIRPORT PERSONNEL.
- EXISTING ROADWAY LIGHT FIXTURE.
- EXISTING PARKING LOT LIGHT FIXTURE.
- EXISTING PARKING LOT LIGHTING CIRCUIT
- EXISTING ABANDONED UTILITY METER BASE. CONDUITS AND SUPPORTS SHALL BE REMOVED TO A MINIMUM OF 1 FOOT BELOW FINISHED GRADE.
- EXISTING 3" SPARE CONDUIT TO BE USED FOR PARKING LOT HOMERUN WIRING TO EXISTING LIGHTING CONTROLLER. SEE LIGHTING HOMERUN PLAN FOR ADDITIONAL INFORMATION.



CONSTRUCT, LIGHT & MARK
 WEST LONG TERM PARKING LOT

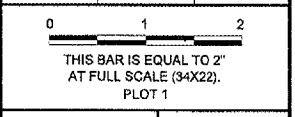


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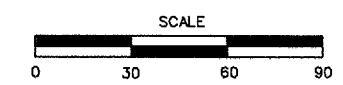
EXISTING
 ELECTRICAL

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LEGEND

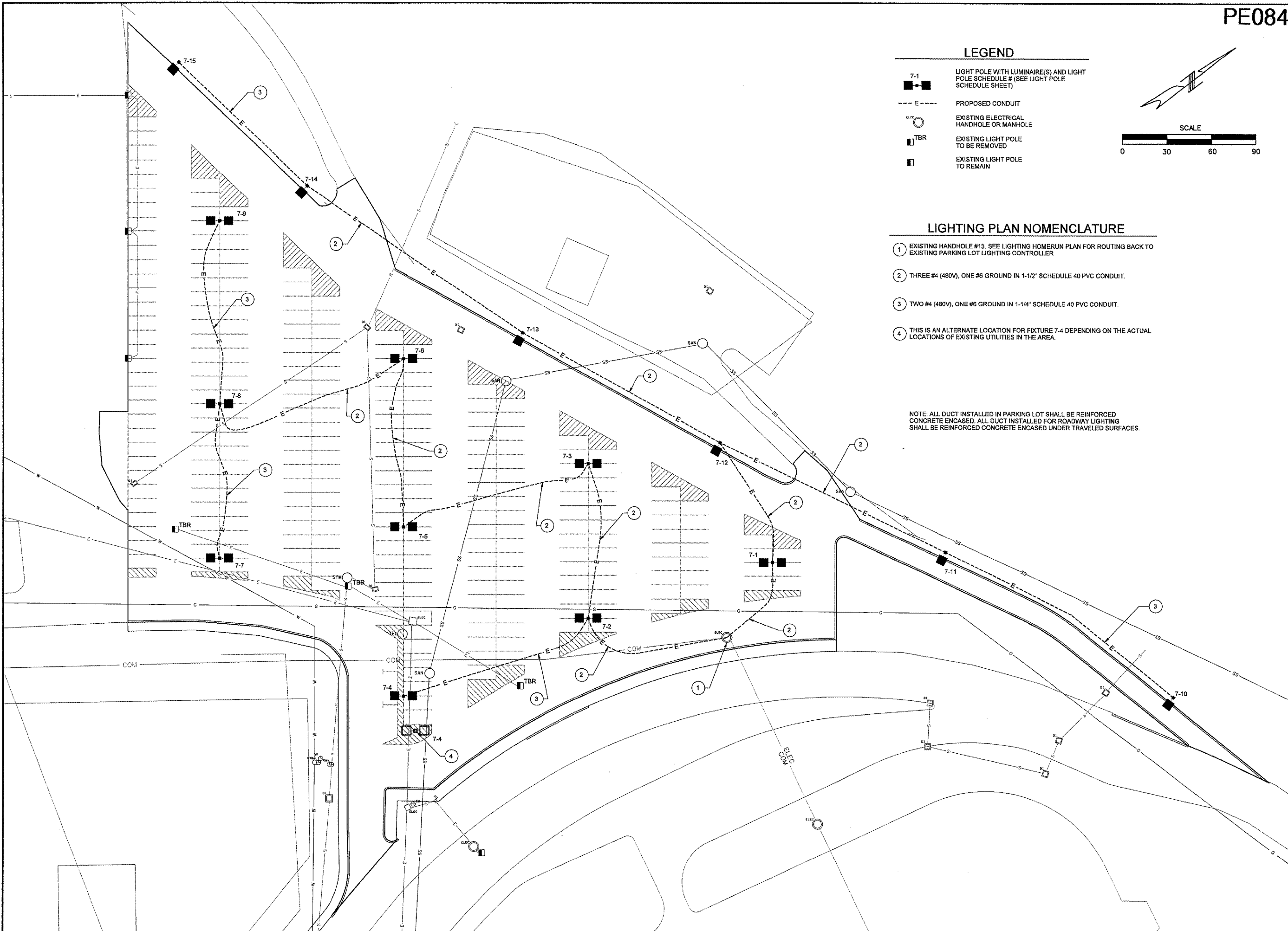
- 7-1 LIGHT POLE WITH LUMINAIRE(S) AND LIGHT POLE SCHEDULE # (SEE LIGHT POLE SCHEDULE SHEET)
- E --- PROPOSED CONDUIT
- ELCC EXISTING ELECTRICAL HANDHOLE OR MANHOLE
- TBR EXISTING LIGHT POLE TO BE REMOVED
- EXISTING LIGHT POLE TO REMAIN



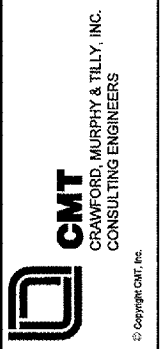
LIGHTING PLAN NOMENCLATURE

- 1 EXISTING HANDHOLE #13. SEE LIGHTING HOMERUN PLAN FOR ROUTING BACK TO EXISTING PARKING LOT LIGHTING CONTROLLER
- 2 THREE #4 (480V), ONE #6 GROUND IN 1-1/2" SCHEDULE 40 PVC CONDUIT.
- 3 TWO #4 (480V), ONE #6 GROUND IN 1-1/4" SCHEDULE 40 PVC CONDUIT.
- 4 THIS IS AN ALTERNATE LOCATION FOR FIXTURE 7-4 DEPENDING ON THE ACTUAL LOCATIONS OF EXISTING UTILITIES IN THE AREA.

NOTE: ALL DUCT INSTALLED IN PARKING LOT SHALL BE REINFORCED CONCRETE ENCASED. ALL DUCT INSTALLED FOR ROADWAY LIGHTING SHALL BE REINFORCED CONCRETE ENCASED UNDER TRAVELED SURFACES.



CONSTRUCT, LIGHT & MARK WEST LONG TERM PARKING LOT

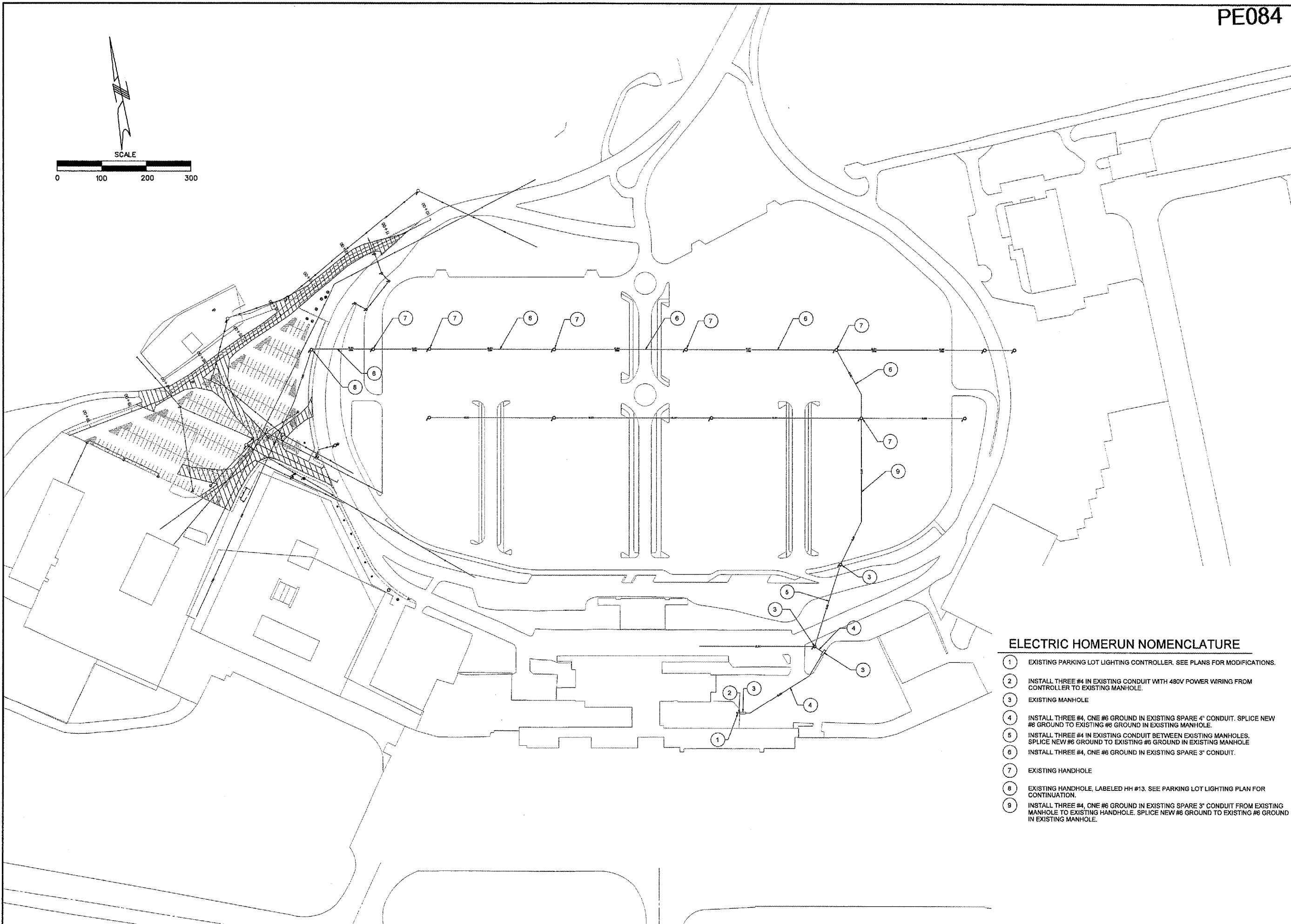
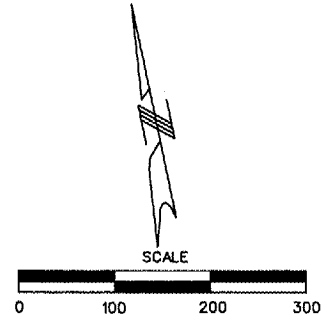


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REVISIONS		
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0 1 2
THIS BAR IS EQUAL TO 2"
AT FULL SCALE (34X22).
PLOT 1



ELECTRIC HOMERUN NOMENCLATURE

- 1 EXISTING PARKING LOT LIGHTING CONTROLLER. SEE PLANS FOR MODIFICATIONS.
- 2 INSTALL THREE #4 IN EXISTING CONDUIT WITH 480V POWER WIRING FROM CONTROLLER TO EXISTING MANHOLE.
- 3 EXISTING MANHOLE
- 4 INSTALL THREE #4, ONE #6 GROUND IN EXISTING SPARE 4" CONDUIT. SPLICE NEW #6 GROUND TO EXISTING #6 GROUND IN EXISTING MANHOLE.
- 5 INSTALL THREE #4 IN EXISTING CONDUIT BETWEEN EXISTING MANHOLES. SPLICE NEW #6 GROUND TO EXISTING #6 GROUND IN EXISTING MANHOLE.
- 6 INSTALL THREE #4, ONE #6 GROUND IN EXISTING SPARE 3" CONDUIT.
- 7 EXISTING HANDHOLE
- 8 EXISTING HANDHOLE, LABELED HH #13. SEE PARKING LOT LIGHTING PLAN FOR CONTINUATION.
- 9 INSTALL THREE #4, ONE #6 GROUND IN EXISTING SPARE 3" CONDUIT FROM EXISTING MANHOLE TO EXISTING HANDHOLE. SPLICE NEW #6 GROUND TO EXISTING #6 GROUND IN EXISTING MANHOLE.

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**CONSTRUCT, LIGHT & MARK
WEST LONG TERM PARKING LOT**

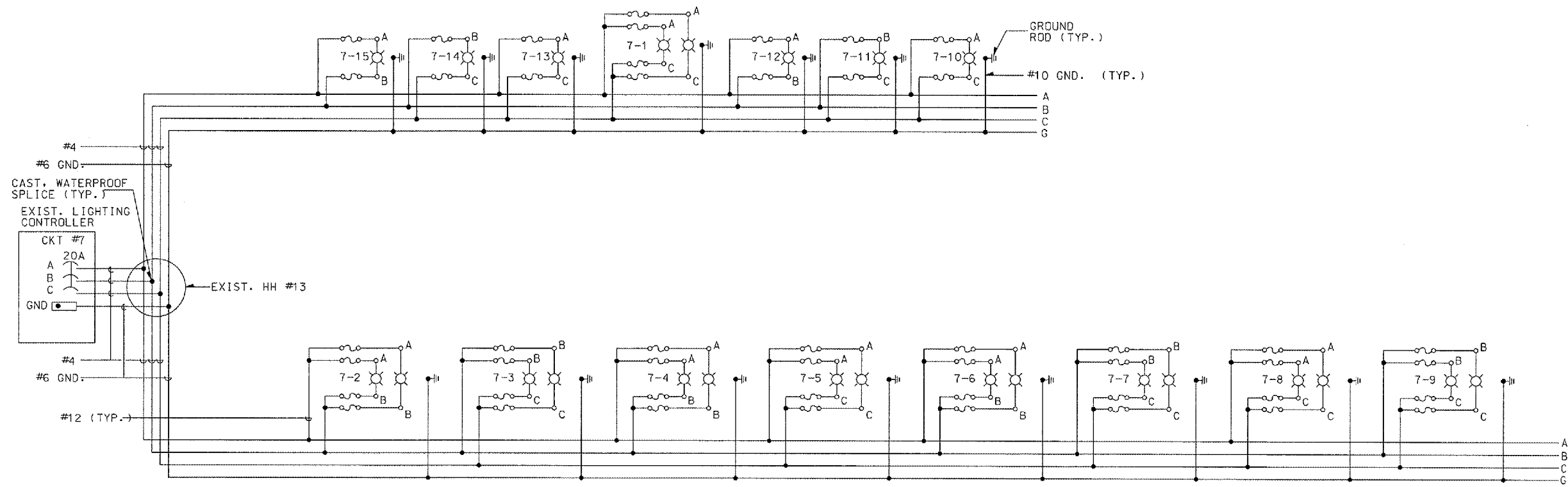
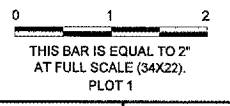
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LIGHTING CIRCUIT #7
ONE-LINE DIAGRAM

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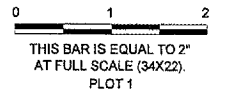
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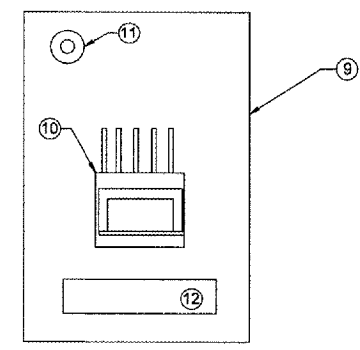
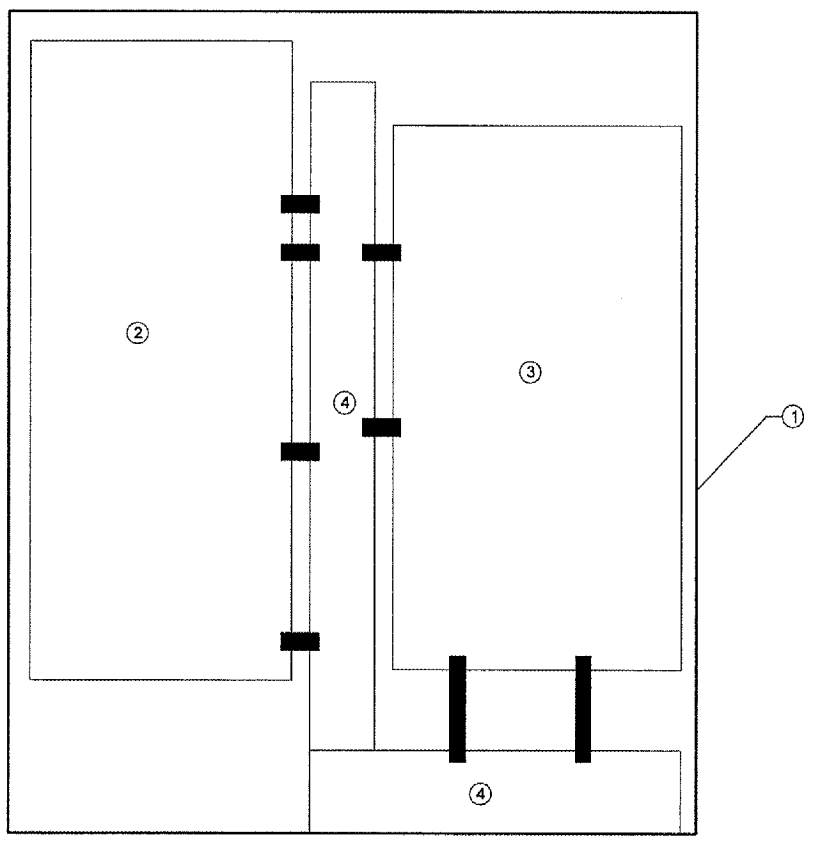
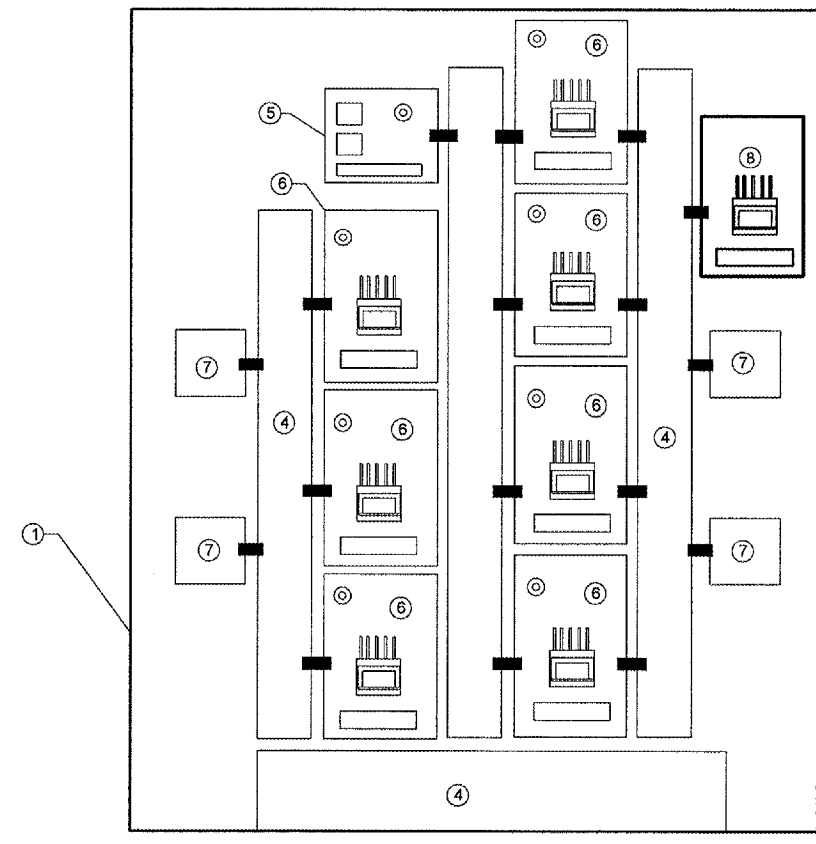
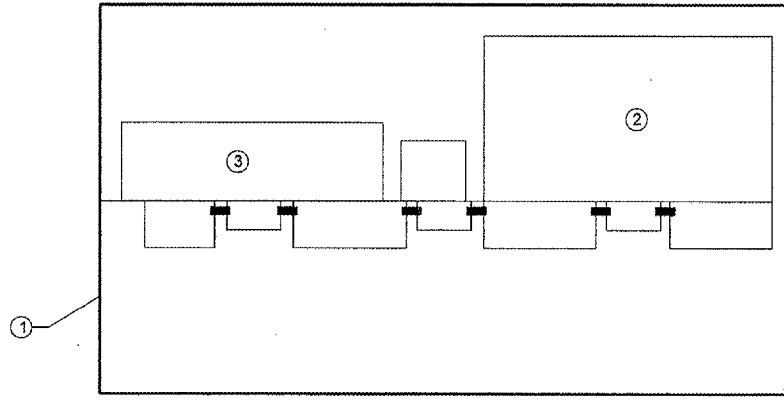
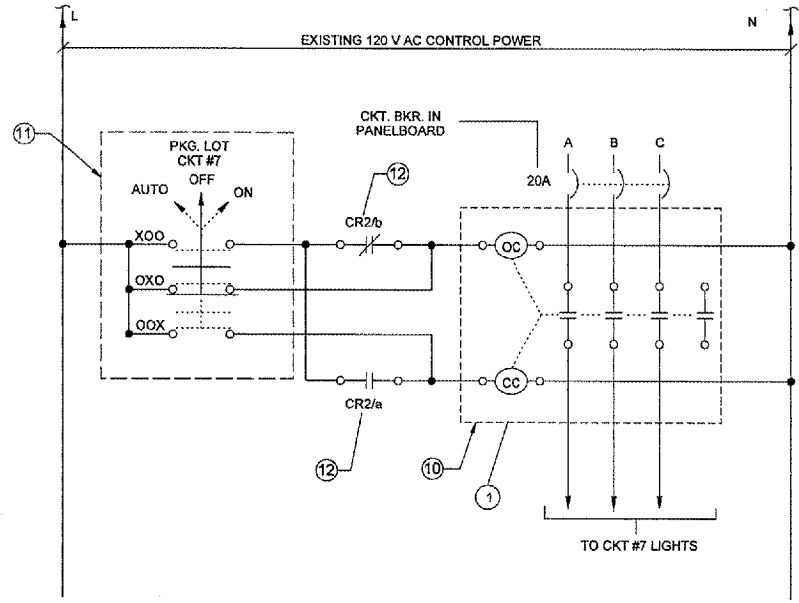
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CONTROLLER MODIFICATIONS NOMENCLATURE

- ① EXISTING PARKING LOT CONTROLLER
- ② EXISTING 480V DISTRIBUTION PANELBOARD, USE ONE OF THE SPARE 20A-3P CIRCUIT BREAKERS FOR PARKING LOT CIRCUIT #7 POWER. REVISE EXISTING PANELBOARD SCHEDULE ACCORDINGLY.
- ③ EXISTING 25 KVA MINI-POWER CENTER.
- ④ EXISTING WIREWAY
- ⑤ EXISTING PHOTOCELL BYPASS SELECTOR SWITCH AND EXISTING CONTROL RELAYS CR1 & CR2. NOTE THAT THE SPARE FORM C CONTACT ON CR2 WILL BE USED TO CONTROL PARKING LOT CIRCUIT #7 LIGHTING CONTACTOR.
- ⑥ EXISTING LIGHTING CONTACTOR AND SELECTOR SWITCH.
- ⑦ EXISTING BOOST TRANSFORMER.
- ⑧ NEW LIGHTING CONTACTOR, SELECTOR SWITCH AND TERMINAL BLOCKS IN NEW ENCLOSURE. INSTALL IN EXISTING PARKING LOT LIGHTING CONTROLLER WITH REQUIRED CONDUIT NIPPLES.
- ⑨ NEW NEMA 1 ENCLOSURE SIZED AS REQUIRED TO HOUSE LIGHTING CONTACTOR, SELECTOR SWITCH AND TERMINAL STRIPS.
- ⑩ MECHANICALLY-HELD LIGHTING CONTACTOR, 30A, 4-POLE, SQUARE D SM012V02, OR EQUIVALENT.
- ⑪ DOOR-MOUNTED THREE-POSITION MAINTAINED-CONTACT, NON-METALLIC SELECTOR SWITCH WITH AUTO-OFF-ON NAMEPLATE, SQUARE D TYPE SK OR EQUIVALENT, WITH CONTACT BLOCKS AS SHOWN TO PERFORM OPERATIONS AS SHOWN IN SCHEMATICS.
- ⑫ 600V TERMINAL BLOCKS AS REQUIRED FOR INCOMING AND OUTGOING WIRING.



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CONSTRUCT, LIGHT & MARK PARKING LOT WEST LONG TERM PARKING LOT

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LUMINAIRE SCHEDULE				
FIXTURE TYPE	MANUFACTURER OR EQUIVALENT	MAKE OR MODEL #	LAMP	LOCATION & MOUNTING
TYPE II ROADWAY	LITHONIA	AS2-250M-SR2-480-RPA-SCWA-L/LP-DNA (*) = SEE NOTE #1	250W PULSE-START METAL HALIDE	POLE-TOP MOUNT (SEE FIXTURE LAYOUT GRID FOR SINGLE-OR TWIN-LUMINAIRE INFORMATION)
TYPE IV PARKING LOT	LITHONIA	AS2-250M-SR4W-480-RPA-SCWA-L/LP-DNA (*) = SEE NOTE #1	250W PULSE-START METAL HALIDE	POLE-TOP MOUNT (SEE FIXTURE LAYOUT GRID FOR SINGLE-OR TWIN-LUMINAIRE INFORMATION)

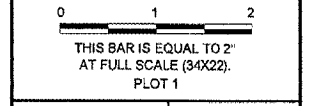
NOTES: #1 - FOR LUMINAIRE CONFIGURATION INFORMATION, SEE FIXTURE LAYOUT GRID.
#2 - COORDINATE POLE TOP FITTER WITH POLE SUPPLIER.


POLE SCHEDULE				
POLE HEIGHT	MANUFACTURER OR EQUIVALENT	MAKE OR MODEL #	TYPE	MINIMUM EPA (FT)
30'	LITHONIA	RTA-30-10G-730-VD-BA (INCLUDES VIBRATION DAMPER)	ROUND TAPERED ALUMINUM	14.3 FT @ 100MPH WITH 1.3 GUST FACTOR

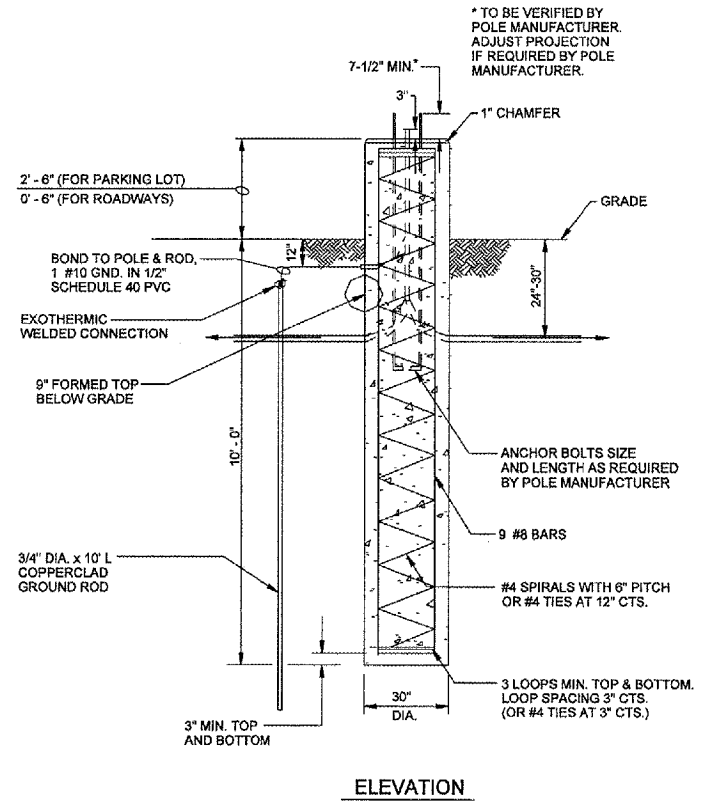
NOTES: #1 - SINGLE LUMINAIRE MOUNTING CAT. #, DM19AS. TWIN LUMINAIRE MOUNTING CAT. #, DM22AS
#2 - COORDINATE POLE TOP FITTER WITH LUMINAIRE SUPPLIER.
#3 - ALL POLES SHALL INCLUDE A PERMANENT TAG INDICATING EACH CIRCUIT # AND EACH LUMINAIRE #.

FIXTURE LAYOUT GRID			
CKT # - FIXT.#	LUMINAIRE TYPE AND QUANTITY		
	ONE TYPE II	ONE TYPE II & ONE TYPE IV	TWO TYPE IV
7-1		X	
7-2			X
7-3			X
7-4			X
7-5			X
7-6			X
7-7			X
7-8			X
7-9			X
7-10	X		
7-11	X		
7-12	X		
7-13	X		
7-14	X		
7-15	X		

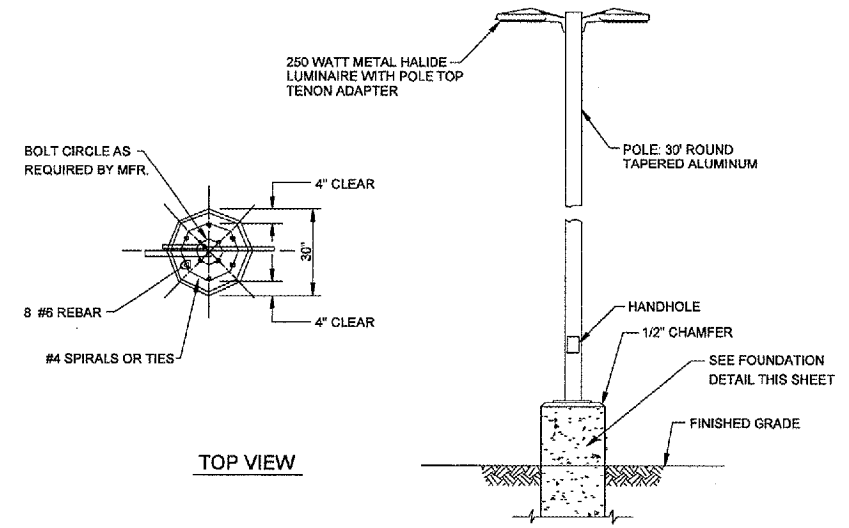
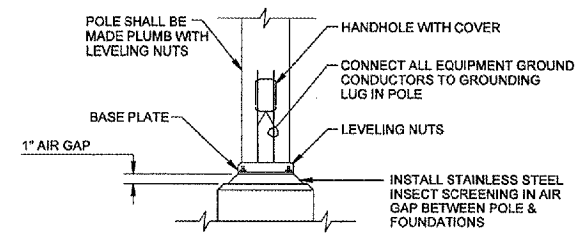
NOTES: FIXTURE 7-1: ORIENT THE TYPE II LUMINAIRE TOWARDS THE NORTH SIDE OF THE PARKING LOT. ORIENT THE TYPE IV LUMINAIRE TOWARDS THE SOUTH SIDE OF THE PARKING LOT.



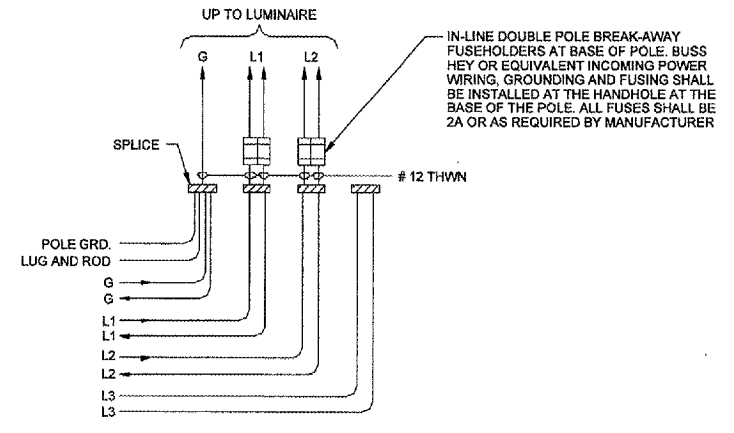

CONSTRUCT, LIGHT & MARK WEST LONG TERM PARKING LOT




ROADWAY AND PARKING LOT POLE BASE DETAIL
N.T.S.



ROADWAY AND PARKING LOT LIGHT STANDARDS
(TWO LUMINAIRE SHOWN)
N.T.S.



DETAIL "A" FIXTURE WIRING
(TYP. OF DOUBLE LUMINAIRE)
N.T.S.


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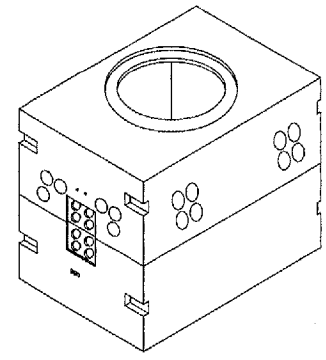
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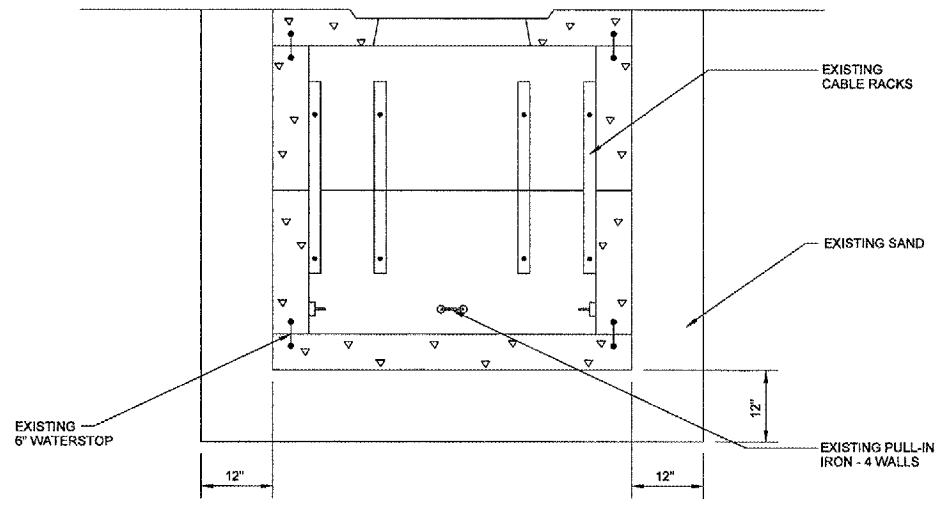
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 PLOT 1



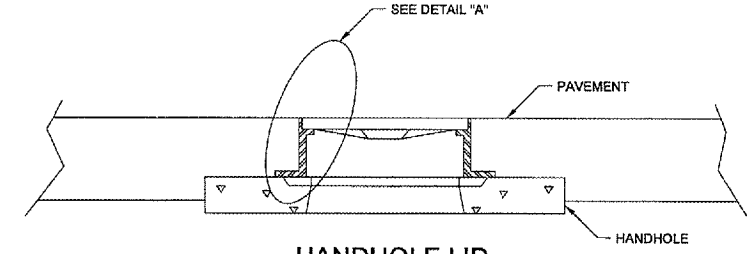
EXISTING ELECTRICAL HANDHOLE

N.T.S.
 NOTE: HANDHOLE IS 4'x4'.



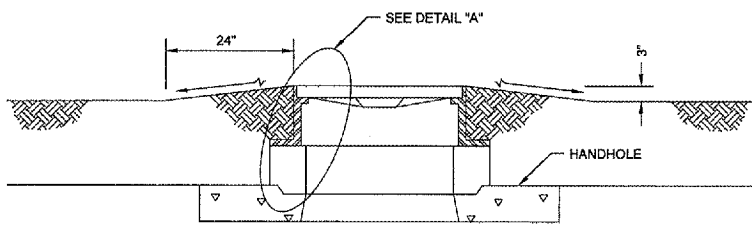
ELEVATION

N.T.S.



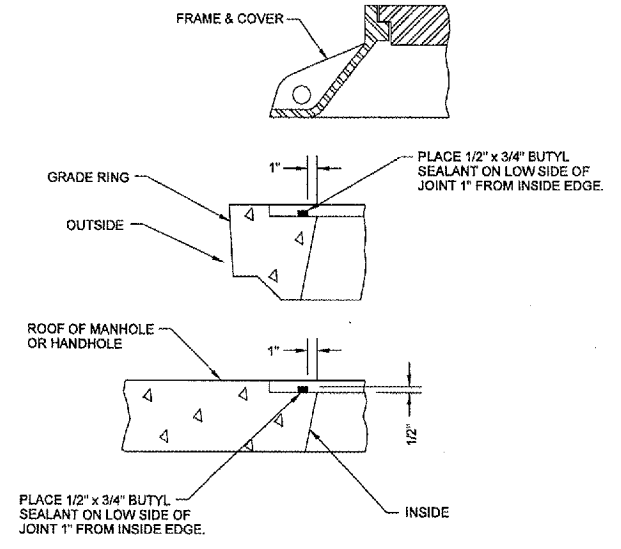
HANDHOLE LID INSTALLATION IN PAVEMENT

N.T.S.



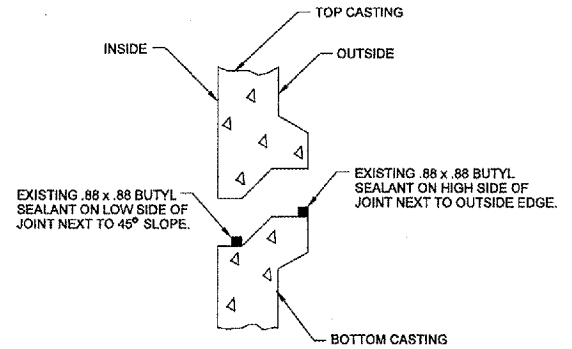
EXISTING HANDHOLE LID IN TURF

N.T.S.



GRADE RING DETAIL (A)

N.T.S.



DETAIL "B"

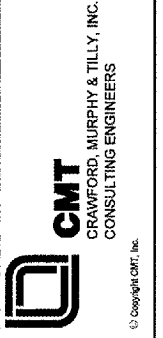
N.T.S.

ELECTRICAL HANDHOLE ADJUSTMENT DETAIL

- NOTES:
1. THE CONTRACTOR SHALL REMOVE THE EXISTING GRADE RING IN ORDER TO LOWER THE RIM ELEVATION 6". IF THE EXISTING GRADE RING IS 12", A NEW 6" RING SHALL BE INSTALLED IN PLACE OF THE 12" RING.
 2. THE CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE THE EXISTING FIBER OPTIC CABLE. ANY DAMAGE TO THE FIBER OPTIC CABLE SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE AIRPORT DIRECTOR WITH NO ADDITIONAL COST TO THE OWNER.



CONSTRUCT, LIGHT & MARK WEST LONG TERM PARKING LOT



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ELECTRICAL DETAILS SHEET 2 OF 2
SHEET 30 OF 41 SHEETS

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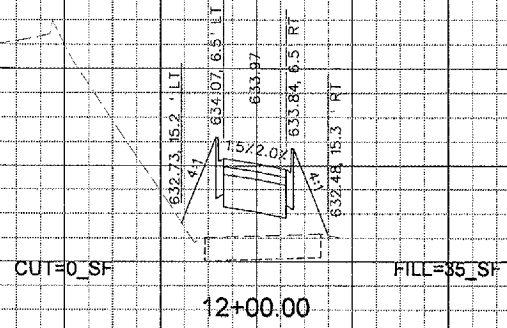
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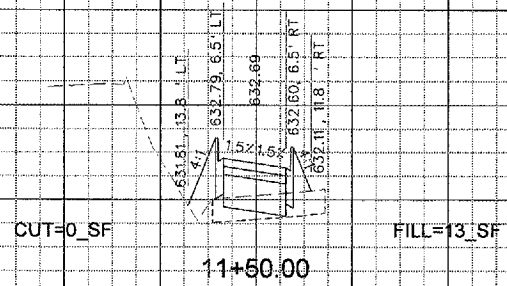
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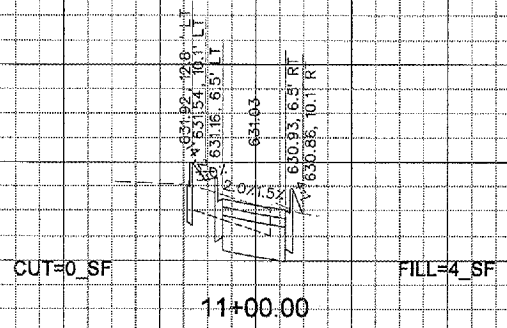
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ENTRANCE ROAD
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SHEET 1 OF 9

SHEET 31 OF 41 SHEETS

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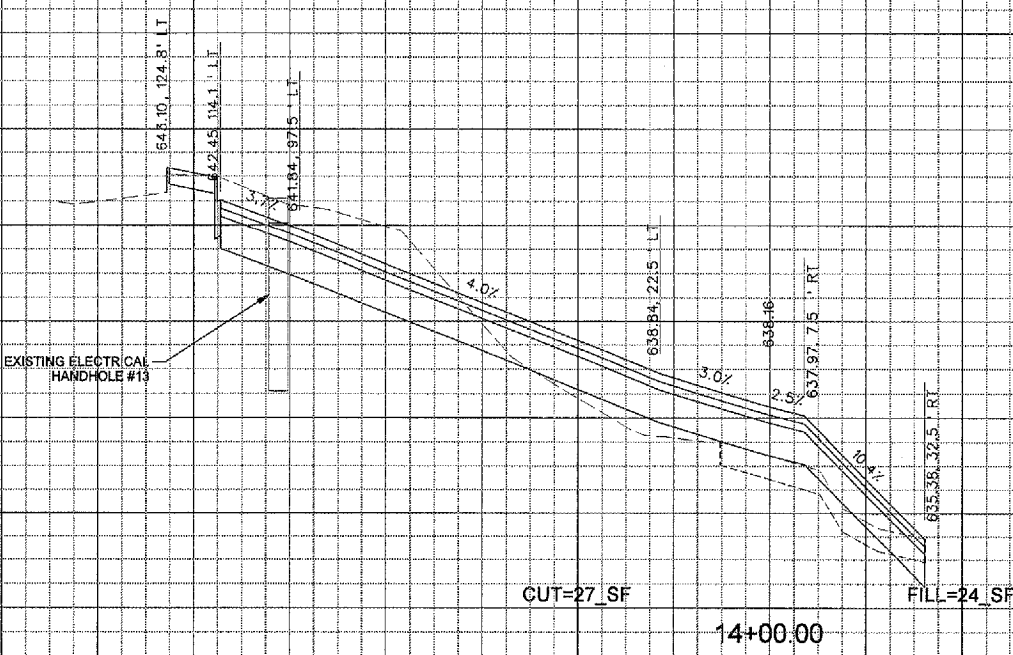
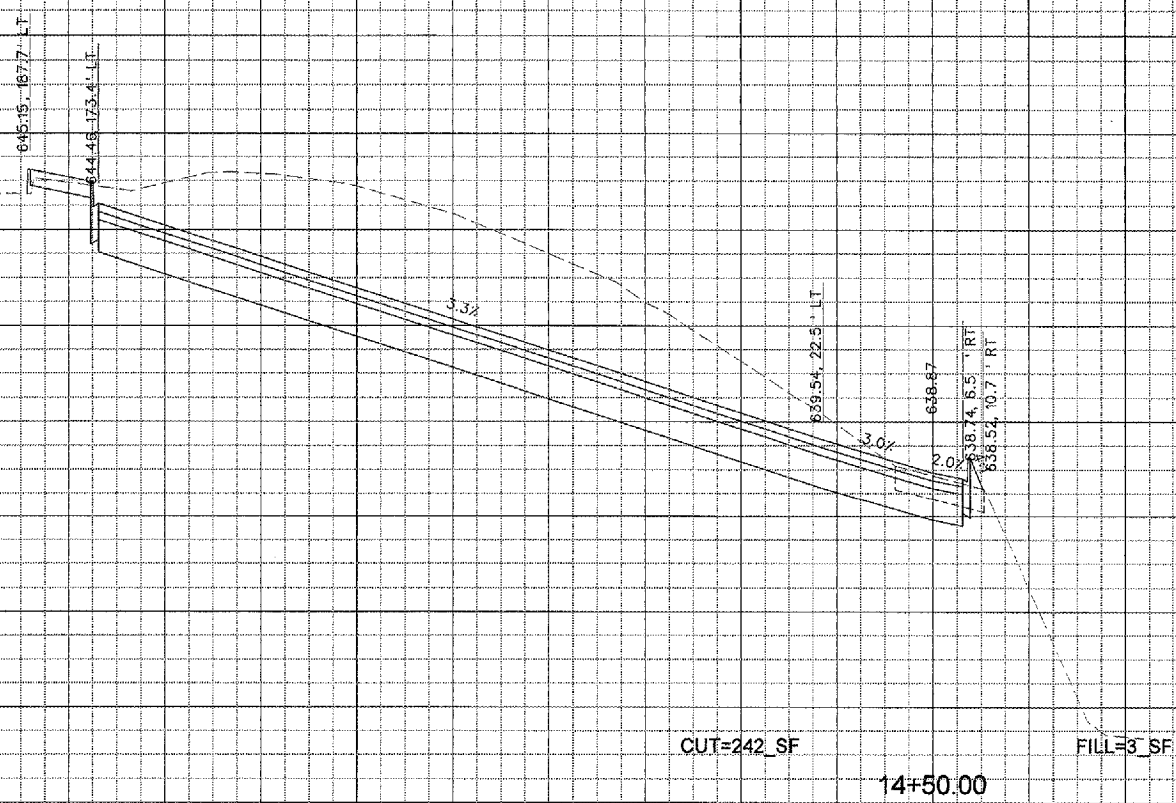
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 SHEET 3 OF 9

SHEET 33 OF 41 SHEETS

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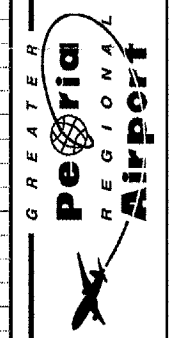
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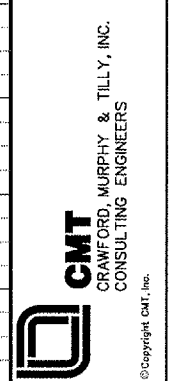


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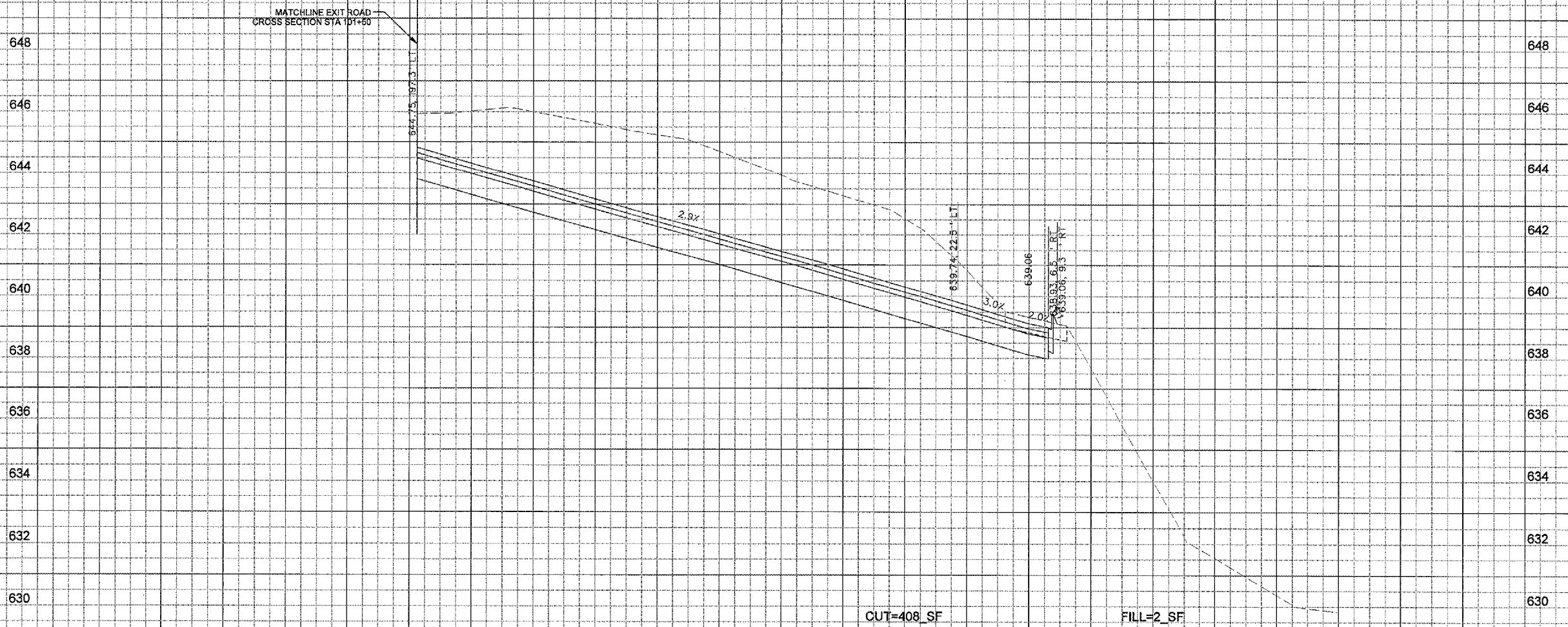
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SHEET 34 OF 41 SHEETS



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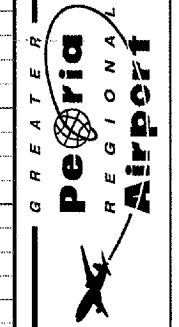
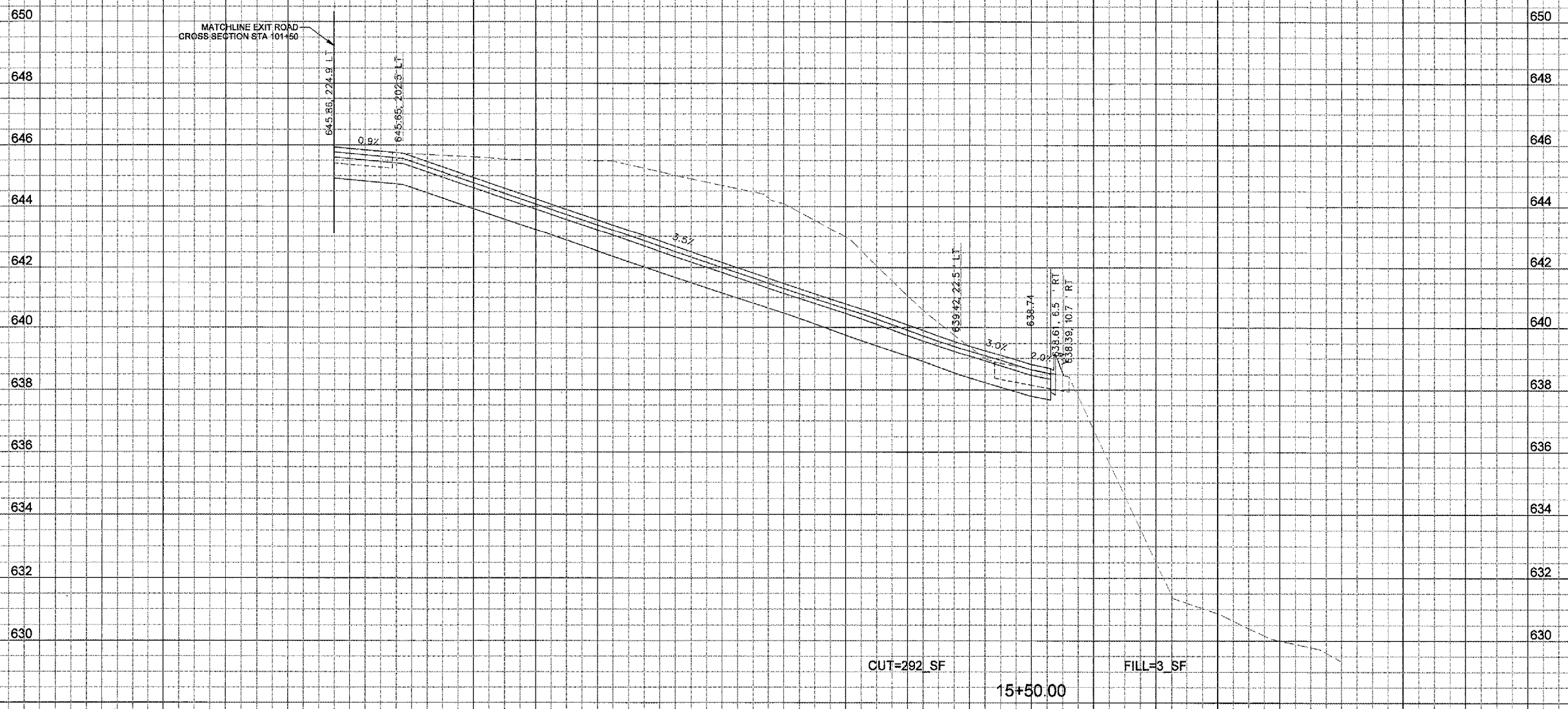
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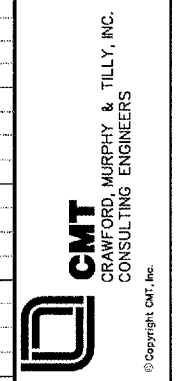


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SHEET 35 OF 41 SHEETS

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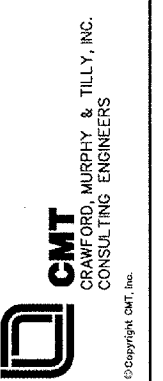
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 WEST LONG TERM PARKING LOT

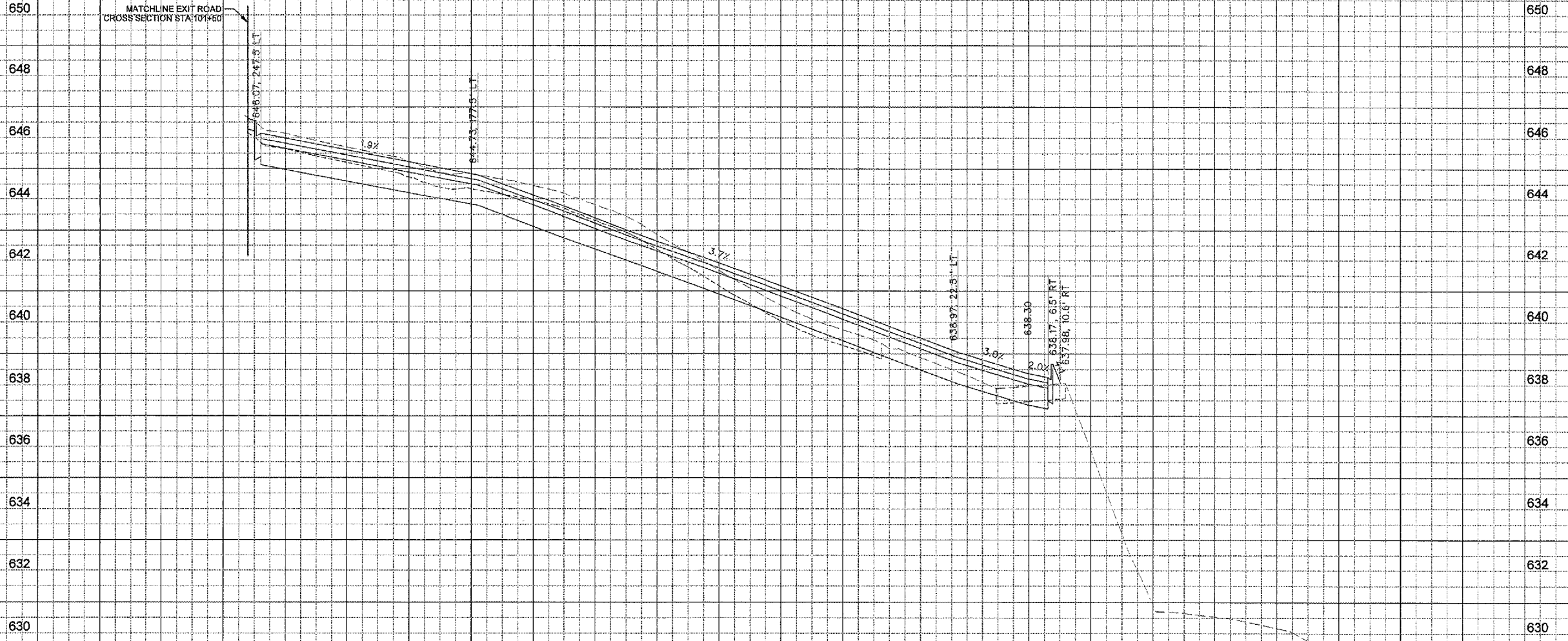


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ENTRANCE ROAD
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 SHEET 6 OF 9

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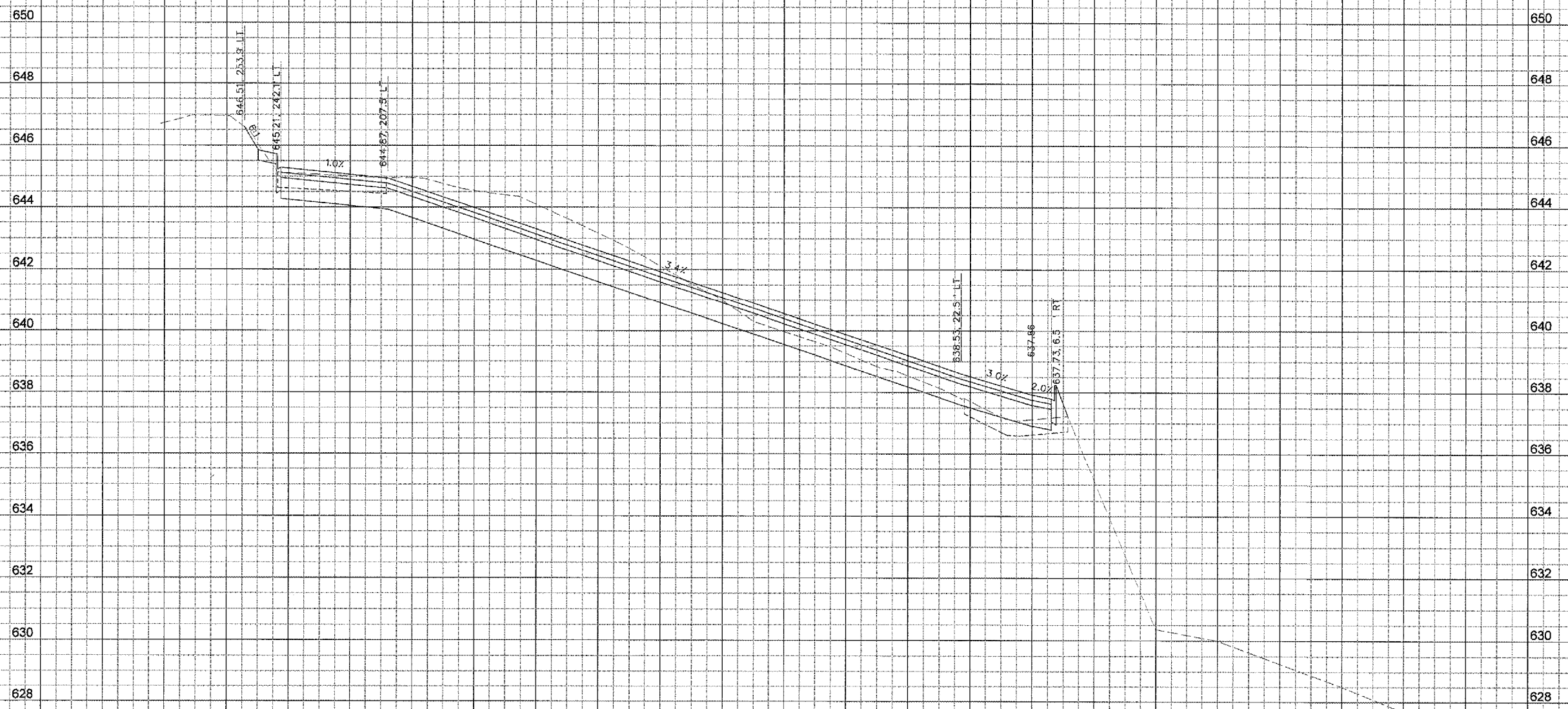
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 SHEET 7 OF 9

SHEET 37 OF 41 SHEETS



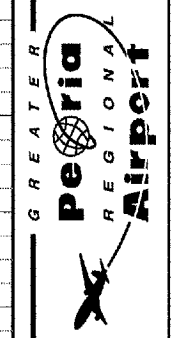
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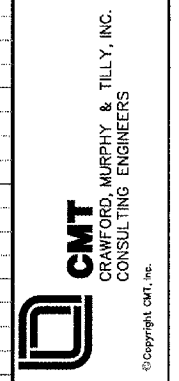
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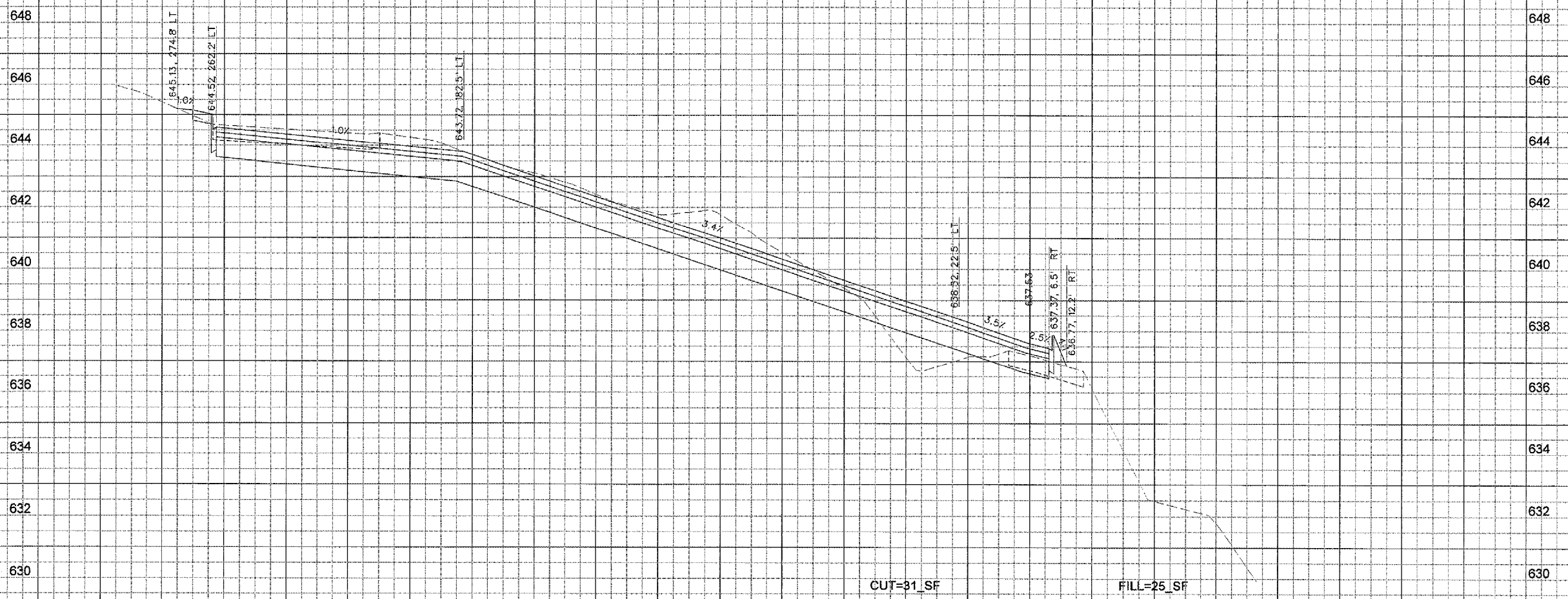


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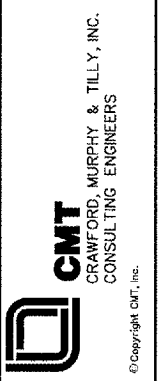
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CONSTRUCT, LIGHT & MARK
WEST LONG TERM PARKING LOT

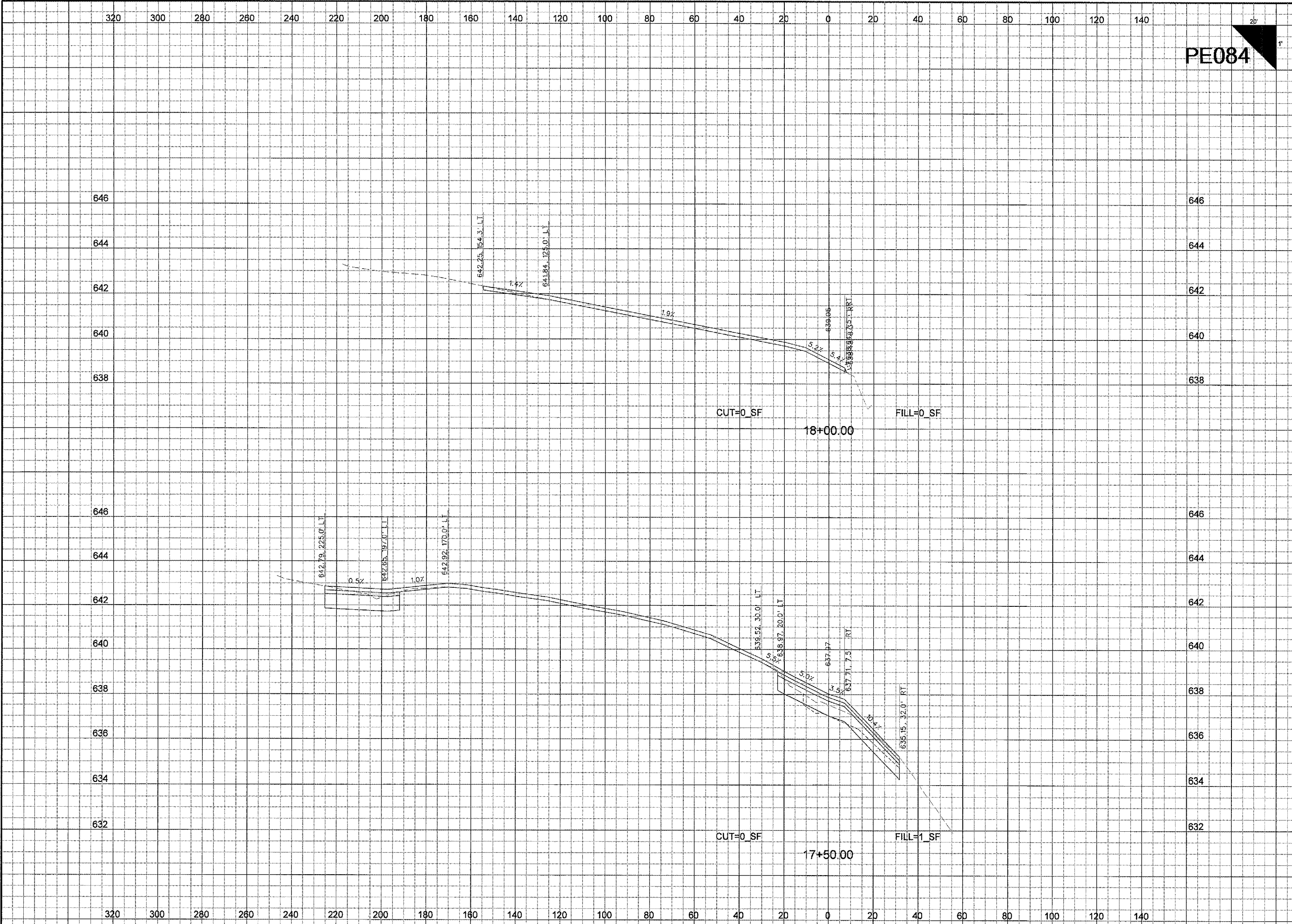


IL PROJECT NUMBER
PIA-3385

FILE:
DESIGN BY: BWG
DRAWN BY: JSP
CHECKED BY: BJS
APPROVED BY: CET
DATE: JUNE 17, 2005
JOB No: 05061-03-00

ENTRANCE ROAD
CROSS SECTIONS
SHEET 9 OF 9

SHEET 39 OF 41 SHEETS



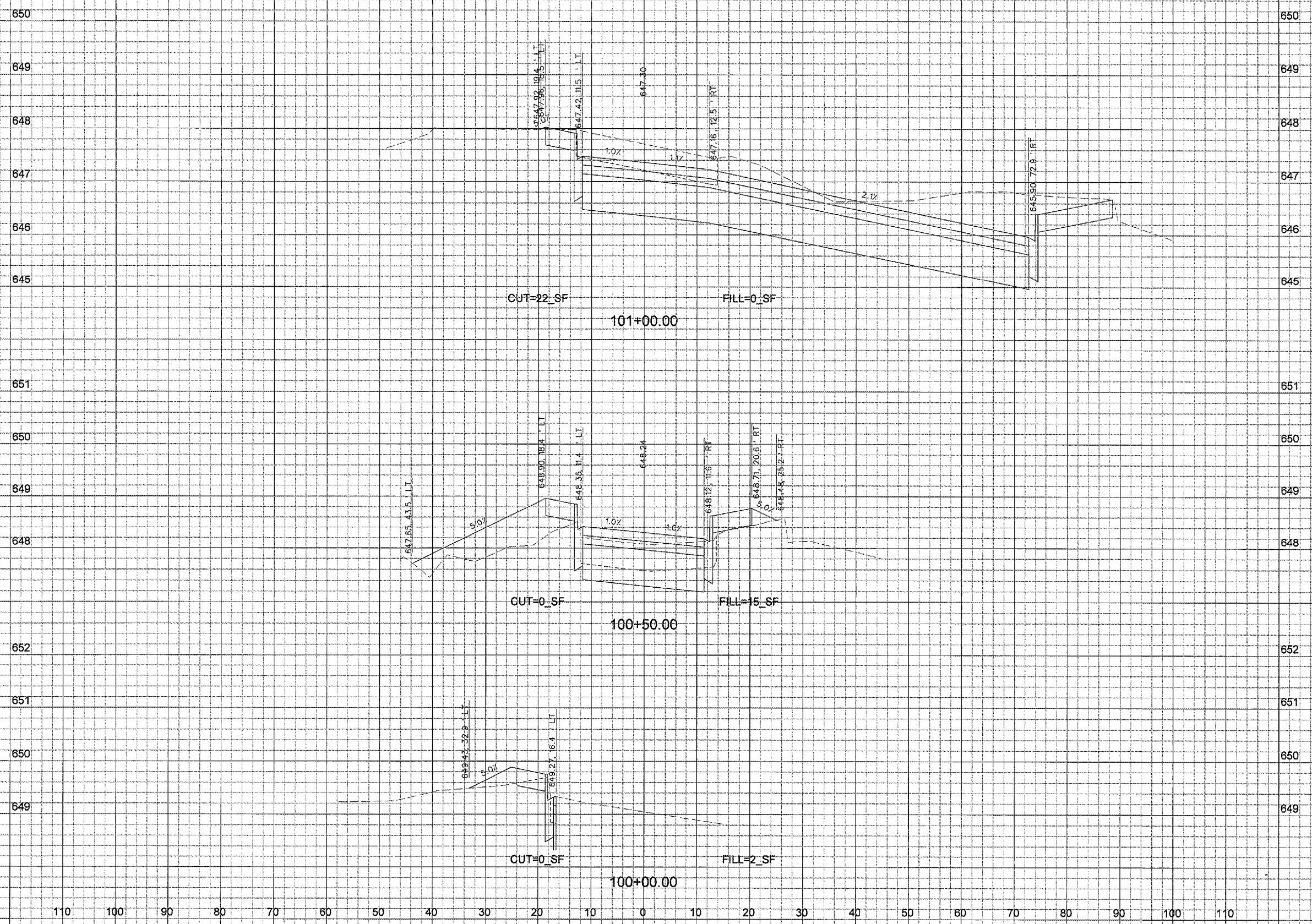
05/26/2005
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110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110

PE084

REVISIONS		
NUMBER	BY	DATE

0 1 2
 THIS BAR IS EQUAL TO 2"
 AT FULL SCALE (34X22).
 PLOT 1



G R E A T E R
Peoria
 R E G I O N A L
 Airport

**CONSTRUCT, LIGHT & MARK
 WEST LONG TERM PARKING LOT**

CMT
 CRAWFORD, MURPHY & TILLY, INC.
 CONSULTING ENGINEERS

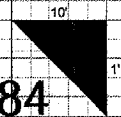
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JOB No: 05061-03-00
EXIT ROAD CROSS SECTIONS SHEET 1 OF 2
SHEET 40 OF 41 SHEETS

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PE084



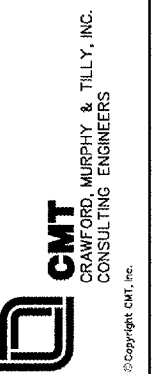
REVISIONS

NUMBER	BY	DATE

0 1 2
 THIS BAR IS EQUAL TO 2"
 AT FULL SCALE (34X22).
 PLOT 1



CONSTRUCT, LIGHT & MARK
WEST LONG TERM PARKING LOT

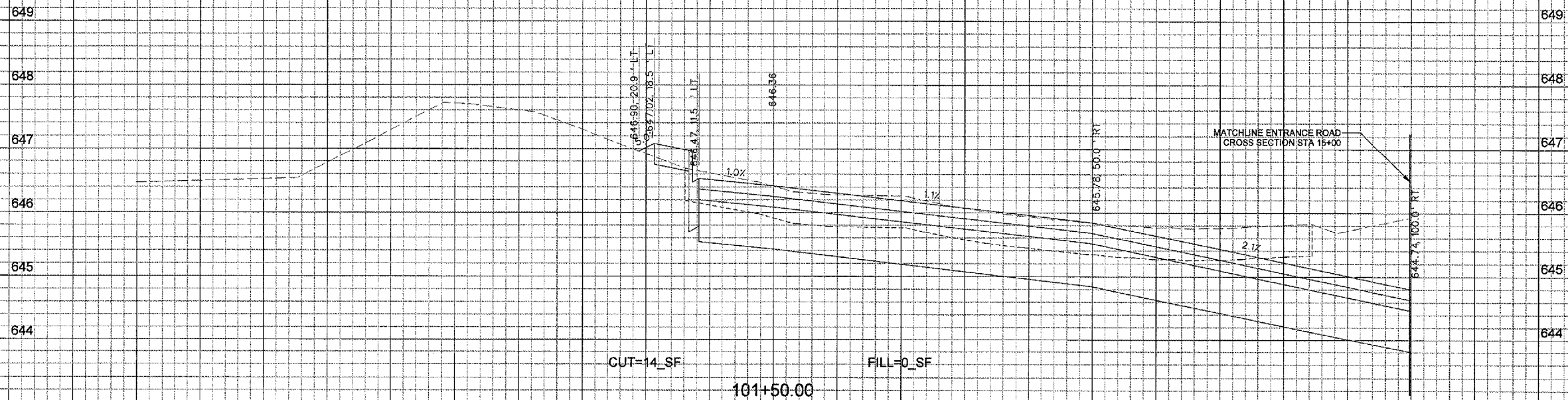


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EXIT ROAD
CROSS SECTIONS
SHEET 2 OF 2

SHEET 41 OF 41 SHEETS



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