AU062 TOTAL SHEETS: 67

# CITY OF AURORA AURORA, ILLINOIS

CONSTRUCTION PLANS
FOR

# AURORA MUNICIPAL AIRPORT

CONSTRUCT RUNWAY 33
INSTRUMENT LANDING SYSTEM;
RELOCATE RUNWAY 9 LOCALIZER

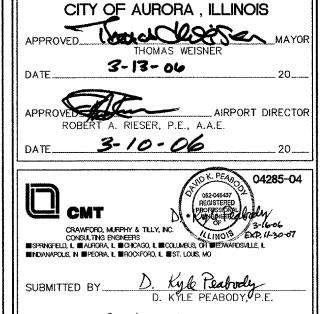
CALL J.U.L.I.E BEFORE EXCAVATING 1-800-892-0123

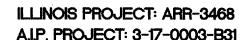
AURORA MUNICIPAL AIRPORT

SECTION: 7, 17 AND 18 RANGE: 7 EAST TOWNSHIP: 38 NORTH COUNTY: KANE U.S. ROUTE 30 SUGAR GROVE TOWNSHIP

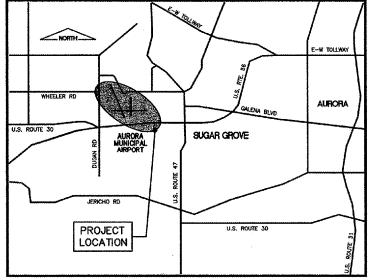
DESIGN INFORMATION

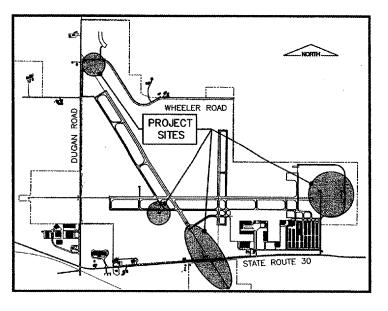
DESIGN AIRCRAFT APPROACH CATEGORY D
DESIGN AIRCRAFT GROUP III





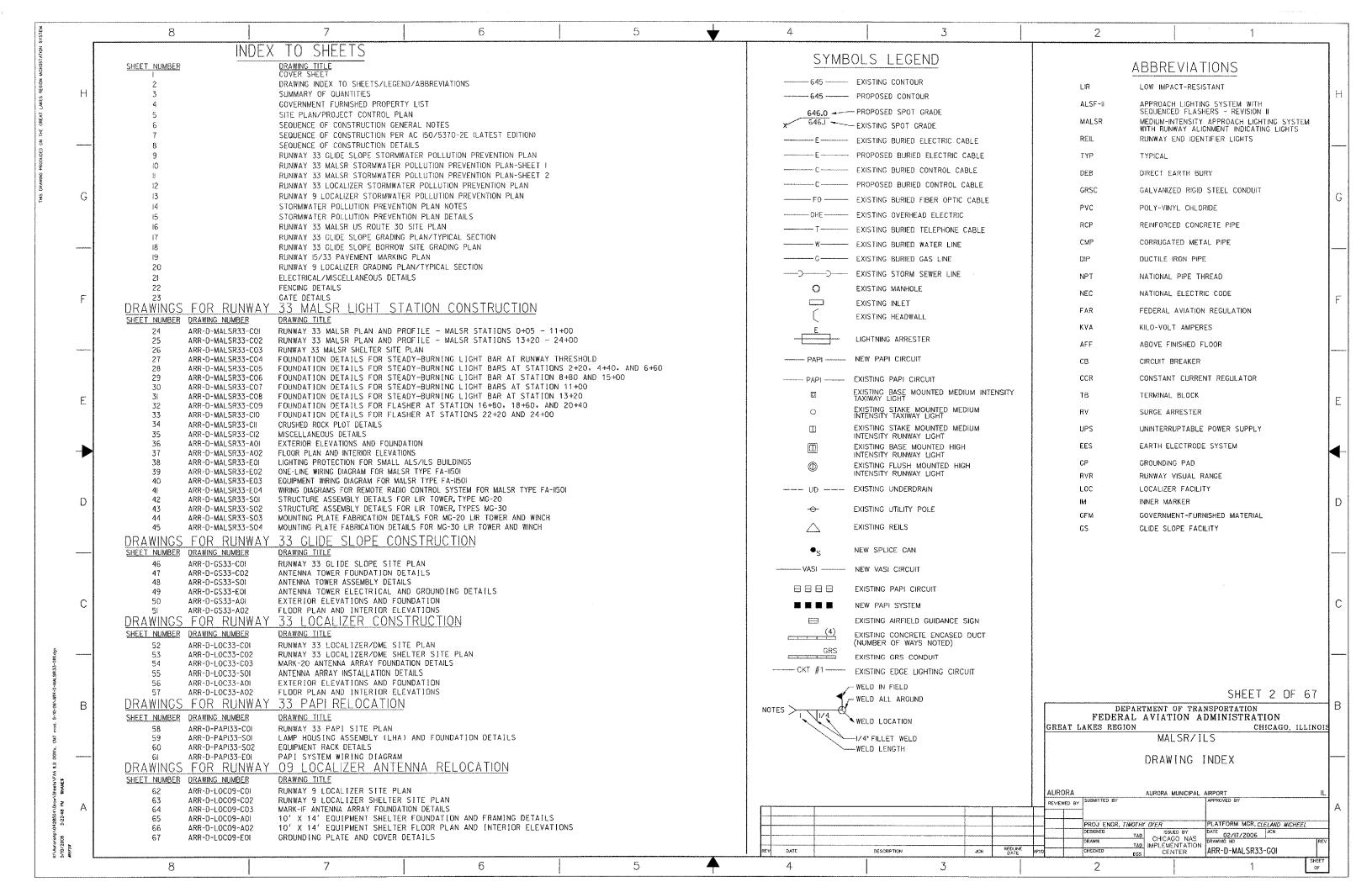
JUNE 28, 2006





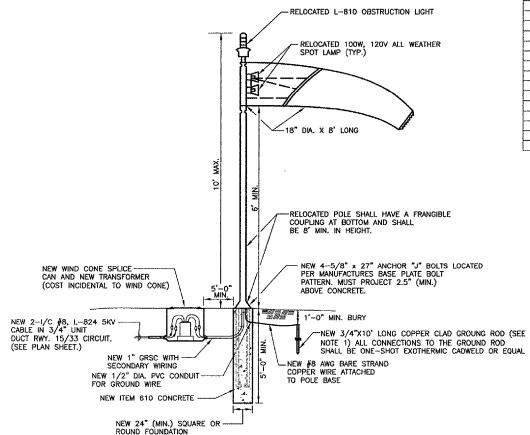
**LOCATION MAP** 

SITE PLAN



# SUMMARY OF QUANTITIES

ITEM	DESCRIPTION	UNIT	RUNWAY	33 ILS	RUNWAY 9 LOCAL	LIZER RELOC.	TOTAL		
NO.			ESTIMATED	RECORD	ESTIMATED	RECORD	ESTIMATED	RECORD	
AR107960	RELOCATE WINDCONE	EACH	1				1		
AR108082	1/C #2 XLP~USE	LF	225	***************************************	60	·	285	***************************************	
AR108158	1/C #8 5 KV UG CABLE IN UD		850		T - T		850		
AR110212	2" STEEL DUCT, DIRECT BURY	LF LF	130			·	130		
AR110214	4" STEEL DUCT, DIRECT BURY	LF	76		<del>                                     </del>		76		
AR110314	4" STEEL DUCT, JACKED	LF	172				172		
AR110550	SPLIT DUCT	LF	18		<del>                                     </del>		18		
AR125565	SPLICE CAN	EACH	1	***********************	1	******	2	***************************************	
AR125907	REMOVE REILS	PAIR	1	*************	<u> </u>		1	***************************************	
AR125942	ADJUST BASE MOUNTED LIGHT	EACH	8		T		8		
AR125968	RELOCATE PAPI	EACH	1	***********			<u> </u>	*************************	
AR127410	LOCALIZER	LS	<u>i</u>		<del></del>		1		
AR127415	DME	LS	<del>i</del> †				1		
AR127420	GLIDESLOPE	LS	1		<del> </del>	······································	† † † †		
AR127430	SHELTER BUILDING	EACH	3 1	,			4		
AR127450	MALSR INSTALLATION	LS	i i	***************************************			1		
AR127903	REMOVE SHELTER BUILDING	EACH			†		i		
AR127961	RELOCATE LOCALIZER	LS			1 1	******************************	†		
AR150510	ENGINEER'S FIELD OFFICE	LS	1		<u> </u>		ii		
AR151410	CLEARING	ACRE	0.50		<del>                                     </del>		1		
AR152410	UNCLASSIFIED EXCAVATION	CY	5.700	***************************************	530		6,230		
AR156510	SILT FENCE	LF	5,000				5,000		
AR156513	SEPARATION FABRIC	SY	8,050		625		8,675	~~~~	
AR156520	INLET PROTECTION	EACH	3	······································	<del>                                     </del>		3		
AR162506	CLASS E FENCE 6'	LF	410				410	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
AR162716	ELECTRIC GATE 16'	EACH	1				1		
AR209606	CRUSHED AGG. BASE COURSE - 6"	SY	1,460		225		1,685		
AR209608	CRUSHED AGG. BASE COURSE - 8"	SY	6,590		400		6,990		
AR401610	BITUMINOUS SURFACE COURSE	TON	90		10		100		
AR602510	BITUMINOUS PRIME COAT	GAL	80	<del> </del>	10		90		
AR620520	PAVEMENT MARKING - WATERBORNE	SF	38,100	. #.,			38,100		
AR620525	PAVEMENT MARKING - BLACK BORDER	SF	7,525	······································	<del></del>		7,525		
AR701218	18" CMP	UF			47	······································	47	<del></del>	
AR701224	24" CMP	LF	72		<del> </del>		72		
AR701900	REMOVE PIPE	ĬF	72		45		117	***************************************	
AR705900	REMOVE UNDERDRAIN	LF	50		<del>- 1</del>		50		
AR752218	METAL END SECTION 18"	EACH			2		2		
AR752224	METAL END SECTION 24"	EACH	4		+		4		
AR800025	3-1/C #4 XLP-USE, 1/C #8 GND. IN UD	LF	185				185		
AR800030	ILS POWER MODIFICATIONS	LS	1				1 1		
AR800033	TREE CLEARING AND GRUBBING (6" - 15")	IN-DIA	12			***************************************	12		
AR800034	TREE CLEARING AND GRUBBING (+15")	IN-DIA	165		<del> </del>		165		
AR800101	DELINEATOR CT 15	EACH			3		3		
AR800119	REMOVE GRAVEL	CY		· · · · · · · · · · · · · · · · · · ·	1.440	<del>~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~</del>	1,440	***************************************	
AR800123	CABLE BARRIER GATE	EACH		······································	1 1		1 1		
AR800124	ADJUST GLIDESLOPE	LS	1	······································	<del> </del>		<del>                                     </del>		
AR800127	RELOCATE GATE	EACH	<del>i</del> 1	······································			<del> i </del>		
AR800145	LOCALIZER GROUND CHECK POINT	EACH	4		2		†		
AR800158	3-1/C #6 XLP-USE 600V, 1/C #8 GND IN UD	LF	<del></del>	······································	950 +		950		
AR901510	SEEDING	ACRE	33.0		10.0		43.0		
AR908510	MULCHING	ACRE	33.0		10.0		43.0		
AR910420	BOLLARD	EACH	6		70.0		8		
rato luteu	DOLUTIO	LACIT	0				<u> </u>		



RELOCATED EXTERNALLY LIGHTED WIND CONE AND BASE DETAIL

NOT TO SCALE

AU062 PATH: K:\AuroraAp\0428504\Draw\Sheet
FILE: qty.dwg
UPDATE BY: johse
SURVEY BOOK # XREF DWG: XREF DWG: DATE: Tue 12/14/04 5:51pm REVISIONS NUMBER BY DATE THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22). AURORA MUNICIPAL AIRPORT
AURORA, ILLINOIS
CONSTRUCT RUNWAY 33 ILS;
RELOCATE RUNWAY 9 LOCALIZER P SUMMAI DESIGN BY: CAL DRAWN BY: JRO CHECKED BY: CAL APPROVED BY: DATE: 05/12/06 JOB No: 04285-04 ILLINOIS PROJECT: ARR-3468 A.I.P. PROJECT: 3-17-0003-B31 FINAL SUBMITTAL SHEET 3 OF 67 SHEETS

### AURORA MUNICIPAL AIRPORT, AURORA, IL GOVERNMENT FURNISHED PROPERTY LIST

March 1, 2006

Item	NSN	Description	Qty	Unit	Source
***	82000053090991	MALSR Equipment, Type FA-11500 (DME Corp.) consisting of:  1 MALSR control cabinet 1 MALS 15KVA transformer 5 flasher junction boxes 5 individual flasher control cabinets 5 flasher light units 18 PAR-56 lampholders 45 PAR-38 lampholders 1 flasher tester 1 current transformer assembly MALSR Instruction Books (2 ea) TI 6850.89 *	1	SET	PSR
2	6240-00-569-58541	LAMP, PAR 56 120V	20	EA	PSR
3	5970014623685	Silicone rubber insulator disk (gasket, washer), lamp—retaining hardware for PAR—56 steady—burning	18 I lamp	EA s	PSR
4	6210-01-455-61631	LAMPHOLDER AIMING DEVICE	1	EA	PSR
5	62100063368871	THRESHOLD LIGHT FILTER, GREEN	20	EA	PSR
6	5120-01-098-73751	MG-30/40 LIFTING FRAME JACK	1	EA	PSR
7	8200-00-300-17281	LIR TILT DEVICE (MANUAL WINCH)	1	EA	PSR
8	5820-01-295-88881	ENCODER INTERFACE	1	EA	PSR
9	5820-01-295-88891	SWITCH ASSY PANEL	2	EA	PSR
10	5820-01-295-88901	SW ASSY CABINET	1	EA	PSR
11	5820-01-295-88901	RRCS RECEIVER	2	EΑ	PSR
12	5985-01-297-41091	RRCS RECEIVER ANTENNA	2	EA	PSR
13	5865-01-295-88951	RRCS DECODER UNIT	2	EA	PSR
14	8200-00-001-5276-1	RRCS INTERFACE UNIT	2	EA	PSR
15		MODEL RC-1T5A AIR-GROUND RCVR/CNTRLR	1	EA	PR

The above material will be furnished to the contractor at the Aurora Municipal Airport.

or at local FAA storage facility. For access to these items, contact Dan Geist SSC technician 815/509—3200 or the FAA contacting officer for FAA purchased material.

Storage Cabinet	3KR01
Storage Cabinet	4W031
Fire Extinguisher	41889
Magnifier Bench Lamp	EM1200
Wall Clock	IT-80643
irat Aid Kit	4A418
Vaste Basket	7520-00-281-5911
lash light	4PG56
Battery, D Size	6135-00-835-7210
SD Wrist Strap	SGWSG52
SD Wrist Strap Tester	SP3019
hair Foot Stool	FRBC030
Stool, Workbench, Gray	917159G Y
est Lead Holder	456T E912
Step Stool	IT-9078
lement Wattmeter, 25W	6625-00-980-8255
lement Wattmeter, 10W	6625-00-949-5382
lement Wattmeter, 500mW	6625-91-983-8629
lement Wattmeter, 5W	6625-00-497-2912
lement Wattmeter, 1W	6625-00-058-3007
lement Wattmeter, 500mW	6625-01-483-2605
lement Wattmeter, 250mW	6625-00-974-6300
Element Wattmeter, 100m/V	6625-01-481-8975

### Government Furnished Property List for ILS

ąŁу	Nomencleture	FAA Type No.	Overall Dimensions cm (in.)	Weight and Volume kg/m3 (lb/ft3)	
			Crated (H/W/D)	Crated	
1	Localizer Electronic Subsystem, including:	FA-10582	220.98/121.92/101.6 (87/48/40)	215/2.74 (474/96.6)	
1	Localizer J-Box	***			
1	Glide Slope Electronic Subsystem, including:	FA10584	220.98/121.92/101.6 (87/48/40)	222.26/2.74 (490/96.6)	
1	Glide Slope Distribution Unit and Combining Unit	FA-10586			
3	Marker Beacon Electronic Subsystem	FA10587	220.98/121.92/101.6 (87/48/40)	166.92/2.74 (368/96.6)	
1	Localizer Distrbution Unit and Combing Unit	FA-10583	157.48/81.28/71.12 (62/32/28)	59.87/0.91 (132/32.1)	
1	Remote Control and Status Unit Electronics Subsystem, including:	FA~10590	220.98/121.92/101.6 (87/48/40)	161.48/2.74 (356/96.6	
1	ILS Remote Status and Interlock Unit	FA10591			
1	Link Control Unit Group	FA-10593			
1	Portable ILS Receiver Group,	FA10592			
1	Localizer Environmental Sensor Kit, Glide Slope	?			
2	12-volt, 100-ampere hour battery	?	50.8/43.18/43.18 (20/17/17)	93.89/0.093 (207/3.3)	
2	12-volt, 100-ampere hour battery	?	49/43.18/43.18 (20/17/17)	93.89/0.093 (207/3.3)	
2	12-volt, 100-ampere hour battery	?	49/43.18/43.18 (20/17/17)	93.89/0.093 (207/3.3)	
2	12-volt, 100-ampere hour battery	?	49/43.18/43.18 (20/17/17)	93.89/0.093 (207/3.3)	
4	12-volt, 100-ampere hour battery	?	71.12/63.5/38.1 (28/25/15)	191.87/0.17 (423/6)	
4	12-volt, 100-ampere hour battery	?	71.12/63.5/38.1 (28/25/15)	191.87/0.17 (423/6)	
4	12-volt, 100-ampere hour battery	?	71.12/63.5/38.1 (28/25/15)	191.87/0.17 (423/6)	
1	Glide Slope Antenna Mounting Kit	?	203.2/15.24/12.7 (80/6/5)	22.68/0.03 (50/1)	
1	Glide Slope Antenna Mounting Kit	3	203.2/15.24/12.7 (80/6/5)	22.68/0.03 (50/1)	
1	Glide Slope Antenna Mounting Kit	?	203.2/15.24/12.7 (80/6/5)	22.68/0.03 (50/1)	
3	Localizer Lag-Periodic Antenna	FA9913	299.72/111.76/170.18 (118/44/67)	244.94/5.7 (540/201.3)	
3	Localizer Log-Periodic Antenna	FA-9913	299.72/111.76/170.18 (118/44/67)	244,94/5.7 (540/201.3)	
3	Localizer Lag-Periodic Antenna	FA9913	299.72/111.76/170.18 (118/44/67)	244.94/5.7 (540/201.3)	
3	Localizer Lag-Periodic Antenna	FA9913	299.72/111.76/170.18 (118/44/67)	244.94/5.7 (540/201.3)	
1	Part of Localizer Antena Installation Kit	?	134.62/109.22/83.82 (53/43/33)	112.94/1.23 (249/43.5)	
1	Part of Localizer Antena Installation Kit	?	332.58/60.96/38.1 (127/24/15)	93.44/0.75 (206/26.5)	
1	Part of Localizer Antena Installation Kit	?	121.92/121.92/60.96 (48/48/24)	68.04/0.91 (150/32)	
	Part of Localizer Antena Installation Kit	?	182.88/121.92/38.1 (72/48/15)	113.4/0.85 (250/30)	
	Part of Localizer Antena Installation Kit	?	182.88/121.92/38.1 (72/48/15)	97.07/0.85 (214/30)	
	Part of Localizer Antena Installation Kit	?	182.88/121.92/38.1 (72/48/15)	131.54/0.85 (290/30)	
1	Part of Localizer Antena Installation Kit	?	182.88/121.92/38.1 (72/48/15)	101.6/0.85 (224/30)	

### Government Furnished Property Parts List for Glide Slope

ITEM	QTY	DESCRIPTION	WPN
2	60	Washer, Lock Galvanized 7/8"	* (Note 4)
3	72	Nut, Hex Galvanized 7/8"-9	* (Note 4)
4	1	Tower, Antenna 50'	447820-0003
5	2	Section, Tower 20' (Part of Item 4)	* (Note 3)
6	2	Section, Tower 5' (Part of Item 4)	* (Note 3)
7	36	Bolt, Hex 7/8"-9x2-1/2"	* (Note 3)
8	60'	Rail, Carrier	* (Note 3)
9	5	Plate, Splice	* (Note 3)
10	20	Bolt, Tap, 5/16"-18x1"	* (Note 3)
11	10	Clamp, Ladder Rung	P/O Item 9
12	20	Bolt, Tap, 3/8"—16x3"	* (Note 3)
13	40	Nut, Hex 3/8"16	* (Note 3)
42	1	Light, OBS	* (Note 3)
43	2	Bulb, Light	035623-0000
44	2	Assembly, Ground	* (Note 3 & 9)
45	3	Frame, Antenna Mounting	0884760001
46	12	Channel, Mounting	088476~0002
47	12	Clamp, "U" 3" Diameterx3/8"-16	088476-0004
48	12	Angle, Support	088476-0005
49	48	Washer, Lock 3/8"	088476-0007
50	48	Nut, Hex 3/8"-16	088476-0006
51	24	Lock, Channel	088476-0009
52	24	Bolt, Hex 3/8"-16x1-1/2"	088476~0008
53	3	Element, Antenna	4479770001
61	3	Cable, Assembly Htr *14-3 SJO	094675-0001

\*(Note 3) Part of Glide Slope Tower (WPN 447820-0003) No Wilcox Part Number Available

### \*(Note 4) Wilcox provides 36 of items 2 and 3 for assembly of Tower sections.

### Government Furnished Property Parts List for LOC.

TEM	QTY	DESCRIPTION	WPN
1	14	Support Assembly, Rear	119006-0001
2	14	Support Assembly, Front	1190070001
3	56	Bolt, Hex 5/16"-18 x 1-1/2"	9190630032
4	112	Washer, Flat 5/16"	9250010008
5		Washer, Lock 5/16"	926001-0083
7	14	Nut, Hex 5/16"18	930000-2314 447837-0100
8	1	Element, Antenna	
9	1	Bracket, Mtg Distr Unit, Right Bracket, Mtg Distr Unit, Left	093431-0001
10	4	Bolt, Hex 1/4"-20 x 3/4"	093431-0002 919065-0005
11		Washer, Flat 1/4"	925001-0007
12	12	Washer, Lock 1/4"	926011-0082
13	12	Nut, Hex 1/4"-20	930000-2254
14	1	Unit, Distr Assembly	120354-0001
15	1	Raceway, Cable Adapter (RT)	282220-0001
16	1	Raceway, Cable Adapter (LT)	282220-0002
17	2	Gasket, Raceway Adapter (DU)	265050-0001
18	10	Raceway Cable Wrapper (CTR) 26"	282173-0001
19	56	Bolt, Hex 5/16"-18 x 1"	919063-0030
20	12	Bolt, Hex 5/16"-18 x 1" Raceway, Cable Sect Top 94" L	282217-0001
21	12	Raceway, Cable Sect Bot 94" L	282218-0001
22	310	Screw, Mach. #8 - 32 x 1/2" PHPHMS	9150140045
23	310	Washer, Flat #8	925000-0807
24	130	Nut, Self-Locking #8 - 32	100482-0008
25	164	Nut, Speed #8 - 32	100999-0001
26	2	Cover, Adapter Raceway (DU)	489113-0001
27	2	Cap, End Raceway	281621-0001
28 29	10	Cover, Wrapper Raceway (CTR)	489043-0001
30	14 28	Cap, Weather Shield Bolt, Hex 1/4"-20 x 4-1/4"	265048-0001 919070-0024
31	28	Washer, Flat 1/4:	925000-0810
32	28	Nut, Hex 1/4"20	9300250003
33	14	Gasket, Chan Weathercap	265047-0001
34	1	Raceway, Cable Adapter End (LT)	282219-0002
35	1	Raceway, Cable Adapter End (RT)	282219-0001
36	2	Cover, Adapter Raceway End	489114-0001
37	1	Conn. Split Bolt (K523)	2299110012
38	1	Kit, Ident Cable Sleeve	069200-0001
39	200	Cable, Power, #12-2 UF	111456-0002
40	2	Nipple, CND 3/4" x 5" L	033586-0006
41	4	Nut, Lock 3/4"	033514-0000
42	2	Bushing, Insulated 3/4"	033516-0000
43	2	Unilet, "T" 3/4"	033588-0001
44	2	Unilet, "T" 3/4" Cover, Unilet Casket, Cover	033590-0001
45	2	Gasket, Cover CND, 3/4" x 30" L	033728-0003
46 47	2	Nipple, CND 3/4" x 30" L	033671-0004
48	2	Nipple, CND 3/4" v 10" l	033586-0001 033586-0005
49	4	Nipple, CND 3/4" x 10" L EL, 45 CND	033754-0002
50	2	CND, 3/4" x 48" L	033734-0002
51	2	Light, OBS	0357070001
52	4	Bulb, Light	035623-0000
53	4	Hanger, CND 3/4"	0337860002
54	4	Hanger, CND 2-1/2"	033786-0008
55	4	Spacer, Hex Tapped, 2-1/2" L	2707066677
56	8	Screw, Mach. 1/4" - 20 x 1/2"	915016-0079
57	12	Lug, CND Solderless	0254780001
58	12	Screw, Mach. #10~32 x 1/2"	916012-0272
59	12	Washer, Flat #10	925000-0808
60	12	Washer, Lock #10	9260010081
61	12	Nut, Hex #10-32	9300010304
62	16	Conn. Split Bolt (KS17)	229911-0004
63 64	70 24	Cond. 3/4" GRS Bolt, Hex Nylon 1/4"-20 x 1" L Nut, Hex Nylon 1/4"-20	230161~0001 502644~0053
		HOU HAY MUION 1 (4: -20) V 1"	

### Contractor Furnished Property Parts List for LOC.

ITEM	OTY	WESCONDWICK	WPN
IIEM		DESCRIPTION	
1		Bolt, Anchor Galvanized 5/8"-11 x 12"	Contractor Furnished
2	224	Washer, Flat, SQ Galvanized 5/8"	Contractor Furnished
3	224	Nut, SQ Galvanized 5/8"-11	Contractor Furnished
37	1	EL. Sweep 4" GRS 90"	Contractor Furnished
38	1	Cnd. PVC Rigid 4"	Contractor Furnished
38	1	Sealing Locknut, CND 4"	Contractor Furnished
39	1	Grounding Bushing, Insulated 4"	Contractor Furnished
40	1	CND, GRS 2"	Contractor Furnished
39	1	Sealing Lock Nut, CND 2"	Contractor Furnished
40	1	Grounding Bushing, Insulated 2"	Contractor Furnished
74	3	CND Rod 3/4" x 10' Copperciad	Contractor Furnished
75	1	EL, Sweep 2" CRS 90"	Contractor Furnished

AU062

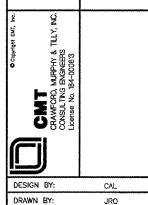
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LAYOUT: Layout1
UPDATE BY: johse
SURVEY BOOK #
DATE: Wed 5/10/06 10:25am
XREF DWG: tboint.dwg
tb.dwg

REVISIONS	
BY	DATE
	<del></del>

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

LIST

# AURORA MUNICIPAL AIRPORT AURORA, ILLINOIS CONSTRUCT RUNWAY 33 ILS, RELOCATE RUNWAY 9 LOCALIZER GOVERNMENT FURNISHED PROPERTY



 DESIGN BY:
 CAL

 DRAWN BY:
 JRO

 CHECKED BY:
 CAL

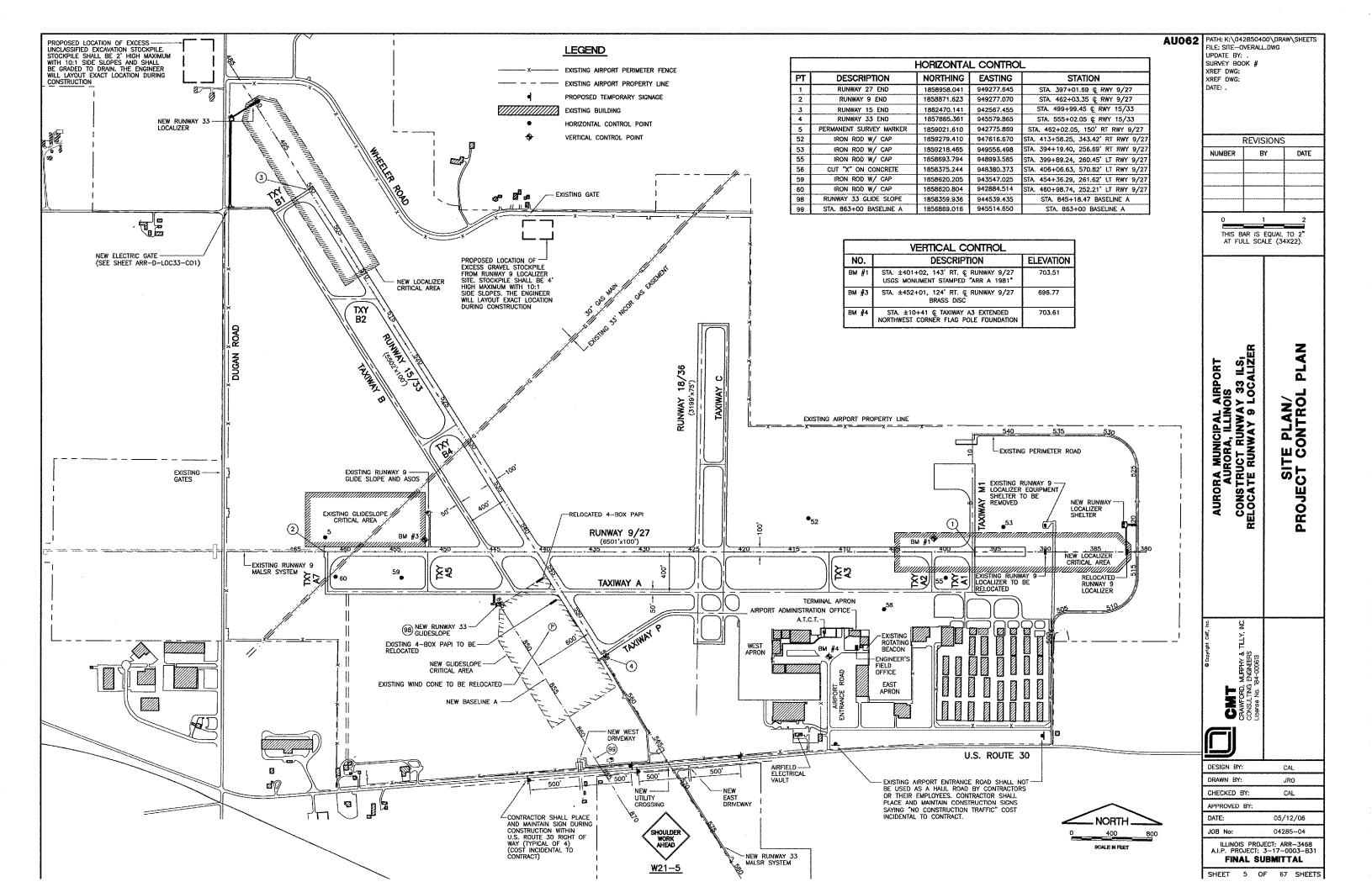
 APPROVED BY:
 05/12/06

 JOB No:
 04285~04

 ILLINOIS PROJECT: ARR-3468

ILLINOIS PROJECT: ARR-3468
A.I.P. PROJECT: 3-17-0003-831
FINAL SUBMITTAL

SHEET 4 OF 67 SHEETS



### GENERAL NOTES

- THE SUGGESTED SEQUENCE OF CONSTRUCTION SHOWN IS INTENDED TO ALLOW FOR THE ORDERLY CONSTRUCTION OF THE PROPOSED IMPROVEMENTS WHILE MAINTAINING AIRCRAFT ACCESS AT ALL TIMES. THE PHASING SHOWN IS A SUGGESTED SEQUENCE OF CONSTRUCTION ONLY. THIS SEQUENCE MAY BE MODIFIED HOWEVER, ALTERNATE STAGING PLANS MUST MAINTAIN AIRPORT OPERATIONS TO THE SATISFACTION OF THE AIRPORT DIRECTOR AND RESIDENT ENGINEER AND BE APPROVED BY THE DIVISION OF AERONAUTICS AND FEDERAL AVIATION ADMINISTRATION.
- 2. ALL OPERATIONS SHALL BE IN CONFORMANCE WITH AC 150/5370-2E (LATEST EDITION) SAFETY DURING
- 3. CONTRACTOR'S EQUIPMENT SHALL BE STORED IN THE EQUIPMENT AND MATERIAL STORAGE AREA WHEN CONSTRUCTION IS NOT IN PROGRESS.
- 4. THE AIRPORT DIRECTOR IN CONSULTATION WITH THE RESIDENT ENGINEER SHALL HAVE FINAL SAY IN THE APPROVAL OF THE CONSTRUCTION OPERATING SEQUENCE AS IT RELATES TO PEDESTRIAN, VEHICULAR AND
- 5. ALL EXISTING PAVEMENTS, DRIVES OR ANY OTHER AREAS USED AS A HAUL ROAD OR STORAGE AREA BY THE CONTRACTOR SHALL BE RESTORED IN KIND TO THEIR PRE—CONSTRUCTION CONDITION OR TO THE SATISFACTION OF THE RESIDENT ENGINEER AND AIRPORT DIRECTOR. THE COST OF MAINTAINING, REPAIRING OR CONSTRUCTING THESE PAVEMENTS AND AREAS SHALL BE INCIDENTAL TO THE CONTRACT. EXISTING AREAS OUTSIDE THE PROJECT LIMITS WHICH ARE DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY HIM AT HIS EXPENSE TO THE SATISFACTION OF THE RESIDENT ENGINEER AND T
- THE CONTRACTOR SHALL KEEP ALL TRUCKS, EQUIPMENT AND MATERIALS OFF OF THE EXISTING TAXIWAYS, APRONS AND RUNWAYS OUTSIDE OF THE PROJECT LIMITS EXCEPT AS SHOWN OR WITH THE PRIOR PERMISSION OF THE ENGINEER.
- WORK PERFORMED BY THE CONTRACTOR OUTSIDE OF DAYLIGHT HOURS SHALL BE DONE UNDER SUFFICIENT ARTIFICIAL LIGHTING TO ALLOW FOR PROPER CONSTRUCTION METHODS AND INSPECTIONS. LIGHT SHALL CONSIST OF MOVABLE POLE MOUNTED FLOODLIGHTS AND/OR SPOTLIGHTS OF SUFFICIENT NUMBER TO ILLUMINATE THE WORK AREA. VEHICLE HEADLIGHTS WILL BE ALLOWED ONLY IN ADDITION TO OTHER LIGHTS MENTIONED ABOVE. LIGHTING SHALL BE AS APPROVED BY THE ENGINEER AND SHALL NOT BE USED IF IT AFFECTS FLIGHT SAFETY AND AIRPORT OPERATIONS. CONTRACTOR'S WORK HOURS SHALL BE IN
- 8. THE CONTRACTOR WILL BE REQUIRED TO HAVE A SWEEPER AVAILABLE FOR USE AT ALL TIMES. WHEN ACTIVE AIRFIELD PAVEMENTS ARE UTILIZED AS HAUL ROADS BY THE CONTRACTOR, MATERIAL TRACKED ON TO THE PAVEMENT SHALL BE CONTINUALLY REMOVED WITH SAID SWEEPER. THIS SWEEPING SHALL NOT BE PAID FOR SEPERATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- 9. MATERIALS REMOVED FROM THE PROJECT WILL BE DISPOSED OF OFF AIRPORT PROPERTY, UNLESS NOTED
- 10. PAYMENT FOR TRAFFIC CONTROL INCLUDING, BUT NOT LIMITED TO BARRICADES, SIGNING, RUNWAY CLOSED MARKERS, AIR OPERATIONS AREA (A.O.A.) LATHE AND RIBBON, ETC. SHALL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. BARRICADES AT 10-FOOT CENTERS WITH ONE ORANGE FLAG (24" x 24") BETWEEN EACH SET OF BARRICADES SHALL BE PLACED AT THE LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. BARRICADES SHALL BE WEIGHTED TO PREVENT BLOWING OVER. BARRICADES SHALL HAVE A FLASHING RED LIGHT AND CONFORM TO IDOT STANDARD 702001, TYPE II. BARRICADE INSTALLATION WILL BE REQUIRED PRIOR TO ACCESS TO THE A.O.A. BY CONTRACTOR'S WORKERS, EQUIPMENT OR MATERIAL. SIGNS SHALL BE PLACED AT EACH TAXIWAY/RUNWAY CLOSURE LOCATION AND SHALL BE ATTACHED TO THE BARRICADES. EACH BARRICADE LOCATION SHALL CONSIST OF ONE "DO NOT ENTER" SIGN AND ONE "AIRCRAFT MOVEMENT AREA" SIGN. SIGNS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- 11. THE CONTRACTOR SHALL CONTACT THE AIRPORT DIRECTOR AND RESIDENT ENGINEER FIVE (5) WORKING DAYS IN ADVANCE OF THE START OF CONSTRUCTION SO THAT THE APPROPRIATE NOTAMS MAY BE ISSUED,
- 12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ALL CONSTRUCTION ACCESS GATES CLOSED DURING NON WORKING HOURS. THE CONTRACTOR SHALL PROVIDE A SIGN AT THE ACCESS GATE SAYING "AUTHORIZED PERSONNEL ONLY". THE CONTRACTOR SHALL CLOSE AND LOCK THE ACCESS GATE UPON LEAVING THE SITE. THROUGHOUT THE DURATION OF THE CONTRACT, ANY DAMAGES TO THE ACCESS ROAD, ACCESS GATE OR FENCING ADJACENT TO THE PROJECT SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE RESIDENT ENGINEER. ALL COSTS RELATING TO CONTRACTOR'S ACCESS AND SECURITY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 13. THE CONTRACTOR WILL BE REQUIRED TO PUT AIRPORT FLAGS AND HAVE BEACON LIGHTS ON ALL EQUIPMENT AT ALL TIMES DURING CONSTRUCTION. SEE FLAG DETAIL ON THE SEQUENCE OF CONSTRUCTION DETAIL SHEET.
- IN THE CASE OF AN EMERGENCY, CONTRACTOR SHALL NOTIFY AIRPORT DIRECTOR AND THE RESIDENT
- 15. 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.
- THE TALLEST PIECE OF CONSTRUCTION EQUIPMENT IS ANTICIPATED TO CRANE WHICH HAS A MAXIMUM HEIGHT OF 65 FEET TO ERECT THE GLIDESLOPE ANTENNA.
- 17. IF RUNWAY NUMERALS ARE PRESENT DURING CONSTRUCTION, CONTRACTOR SHALL PLACE CLOSED RUNWAY MARKER OVER NUMERALS AS DETAILED, OTHERWISE PLACE IN TURF OFF END OF RUNWAY AS DETAILED ON THE SEQUENCE OF CONSTRUCTION DETAILS SHEET.
- 18. AURORA MUNICIPAL AIRPORT WILL BE IN OPERATION DURING THE CONSTRUCTION OF THIS PROJECT. COORDINATION OF WORK WITH THE AIRPORT IS MANDATORY SO AS TO MINIMIZE IMPACTS ON AIRPORT
- 19. APPROXIMATE LOCATION OF HAUL ROUTES ON THE AIRPORT SITE ARE SHOWN ON THE GENERAL PROJECT LAYOUT AND THE SEQUENCE OF CONSTRUCTION PLAN. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE OFF-SITE HAUL ROUTES (STATE HIGHWAYS, COUNTY ROADS OR CITY STREETS) WITH THE APROPRIATE OWNER WHO HAS JURISDICTION OVER THE AFFECTED ROUTE. ON-SITE ROADS USED AS HAUL ROUTES SHALL BE MAINTAINED BY THE CONTRACTOR AND SHALL BE RESTORED AT THE CONTRACTOR'S EXPENSE TO THEIR ORIGINAL CONDITION UPON COMPLETION OF BEING USED AS A HAUL ROUTE. THE BEFORE AND AFTER CONDITION OF ON-SITE HAUL ROUTES SHALL BE JOINTLY INSPECTED AND DETERMINED BY THE CONTRACTOR AND THE ENGINEER. FENCING, DRAINAGE, GRADING AND OTHER MISCELLANEOUS CONSTRUCTION REQUIRED TO CONSTRUCT TEMPORARY HAUL ROUTES OR ACCESS POINTS ON THE AIRPORT WILL BE THE CONTRACTOR'S TOTAL RESPONSIBILITY AND SHALL BE APPROVED BY THE ENGINEER PRIOR TO THE WORK, ALL ON-SITE ACCESS ROADS TO AIRPORT FACILITIES SHALL REMAIN OPEN AND MAINTAINED AT ALL TIMES.

- 20. MOBILIZATION/EQUIPMENT STORAGE AREA WILL BE MADE AVAILABLE FOR CONTRACTOR'S MOBILIZATION AND STORAGE AS SHOWN ON THE PLANS, THIS AREA SHALL BE RESTORED TO THE ORIGINAL CONDITION UPON COMPLETION OF THE PROJECT AT THE CONTRACTOR'S EXPENSE.
- 21. LOCATION OF KNOWN EXISTING AIRPORT UNDERGROUND CARLES ARE SHOWN ON THE PLANS AND MUST BE VERIFIED BY THE CONTRACTOR, REPAIR OF DAMAGED CABLE MUST BE STARTED IMMEDIATELY AND CONTINUED UNTIL COMPLETED. ALL SUCH REPAIRS SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS, OR AS DIRECTED BY THE OWNER OF THE CABLE, AND SHALL BE AT THE CONTRACTOR'S EXPENSE. IF FAA CABLES ARE DAMAGED, REPAIRS SHALL BE DONE FROM POINT TO POINT IN ACCORDANCE WITH FAA REQUIREMENTS AND IN THE PRESENCE OF A FAA REPRESENTATIVE. THE OWNER MAY ELECT TO HAVE THE REPAIR PERREPORMED BY OTHERS IN WHICH CASE THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING THE INCURRED COSTS OF REPAIRS.
- 22. COORDINATION MEETINGS THE CONTRACTOR SHALL CONDUCT WEEKLY COORDINATION MEETINGS TO DISCUSS WORK AREAS AND SCHEDULING, ETC. WITH THE ENGINEER, AIRPORT OPERATIONS, FAA, AND OTHER APPROPRIATE OFFICIALS. MINUTES FROM THE WEEKLY MEETINGS SHALL BE PREPARED BY THE CONTRACTOR, FURNISHED TO ALL ATTENDEES PRIOR TO THE SUBSEQUENT MEETING, AND KEPT ON FILE AT THE FIELD OFFICE. THE COORDINATION MEETING COSTS SHALL BE CONSIDERED INCIDENTAL TO THE
- 23. THE CONTRACTOR SHALL PROVIDE THE PHONE NUMBERS OF THREE PERSONNEL, INCLUDING THE PROJECT SUPERINTENDENT, WHO MAY BE CONTACTED IN AN EMERGENCY. PERSONNEL SHALL BE ON CALL 24 HOURS PER DAY FOR MAINTAINING AIRPORT HAZARD LIGHTING AND BARRICADES.
- 24. DRAINAGE MODIFICATIONS SHALL BE SEQUENCED TO PROVIDE POSITIVE DRAINAGE AT ALL TIMES AT NO
- 25. VEHICLES AND EQUIPMENT SHALL NOT BE ALLOWED WITHIN 65' FROM ACTIVE TAXIWAYS AND 200' FROM CTIVE RUNWAYS UNLESS OTHERWISE APPROVED BY THE AIRPORT DIRECTOR
- 26. CONTRACTOR SHALL STORE EQUIPMENT AND MATERIALS/STOCKPILE IN SUCH A MANNER AS NOT TO VIOLATE FEDERAL AVIATION ADMINISTRATION PART 77 SURFACES OR RUNWAY AND TAXIWAY SAFETY AREAS.
- 27. ALL EXISTING TAXIWAY AND RUNWAY AIRFIELD LIGHTING CIRCUITS, FAA CABLES AND OTHER ELECTRICAL CABLES SHALL REMAIN IN SERVICE AT ALL TIMES. ALL EXISTING LIGHTING AND VAULT EQUIPMENT SHALL REMAIN IN SERVICE UNTIL PROPOSED IMPROVEMENTS ARE INSTALLED AND OPERATIONAL, UNLESS OTHERWISE APPROVED BY THE ENGINEER. ANY CABLES DAMAGED BY THE CONTRACTOR SHALL BE IMMEDIATELY REPAIRED AT HIS EXPENSE.
- 28. COORDINATION BY THE CONTRACTOR WITH THE EXISTING UTILITIES SHALL BE COMPLETED BEFORE CONSTRUCTION IS STARTED, CONTRACTOR IS REFERRED TO SECTION 50-17 OF THE SPECIAL PROVISIONS CONSTRUCTION IS STARTED. CONTRACTOR IS REFERRED TO SECTION 50-17 OF THE SPECIAL PROVISIONS FOR SPECIFIC REQUIREMENTS. THE LOCATION OF UNDERGROUND UTILITIES AS INDICATED ON THE PLANS HEBEN OBTAINED FROM EXISTING RECORDS. NEITHER THE OWNER OR THE DESIGN ENGINEER ASSUME ANY RESPONSIBILITY WHATEVER 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 MATERIAL OF EXISTING UNDERGROUND UTILITIES AS INDICATED ARE REPRESENTATIVE OF THOSE TO BE ENCOUNTERED DURING CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, 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 INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL MINEDIATELY NOTIFY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE MERCORY DIRECTORS ANY SILCH MAINS AND OR THE UTILITY COMPANY, THE RESIDENT ENGINEER AND THE AIRPORT DIRECTOR, ANY SUCH MAINS AND/OR SERVICES DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED IMMEDIATELY AT HIS EXPENSE TO THE SATISFACTION OF THE RESIDENT ENGINEER AND AIRPORT DIRECTOR.
- 29. ALL AIRFIELD LIGHTING AND LIGHTING CUIDANCE SYSTEMS (NAVAIDS) LOCATED WITHIN AND IMMEDIATELY ADJACENT TO THE CONTRACTORS WORK ZONE SHALL BE CHECKED FOR OPERATIONAL CONDITION PRIOR TO THE DEPARTURE FROM THE AIRPORT WITH THE AIRPORT MAINTENANCE DIRECTOR. ANY DEFECIENCIES IN THESE SYSTEMS DUE TO THE ACTS OF CONTRACTOR OR HIS SUBCONTRACTORS, SUPPLIERS OR CONSULTANTS SHALL BE REPAIRED IMMEDIATELY.
- 30. CONTRACTOR SHALL BE LICENSED WITH THE VILLAGE OF SUGAR GROVE.
- 31. BY 12 P.M. EVERY FRIDAY THROUGHOUT THE PROJECT, THE CONTRACTOR SHALL PROVIDE THE RESIDENT ENGINEER WITH A LIST OF SCHEDULED WORK FOR THE FOLLOWING WEEK.

### CONTRACTOR CROSSING RUNWAY AND TAXIWAY AIR OPERATIONS AREA (A.O.A.)

- 32. ANYTIME THE CONTRACTOR IS REQUIRED TO UTILIZE OR CROSS ACTIVE AIRFIELD PAVEMENTS FOR ACCESS TO ANYTIME THE CONTRACTOR IS REQUIRED TO UTILIZE OR CROSS ACTIVE AIRFIELD PAVEMENTS FOR ACCESS TO AND FROM THE WORK ZONE, A FULL TIME CROSSING GUARD IN RADIO CONTACT WITH THE CONTROL TOWER SHALL BE FURNISHED BY THE CONTRACTOR FOR MOVEMENTS OF VEHICLES OR EQUIPMENT TO AND FROM THE WORK ZONE. THE RADIO OPERATOR SHALL BE FAMILIAR WITH AIRPORT GROUND CONTROL PROCEDURES AND DEMONSTRATE KNOWLEDGE OF SAME TO THE AIRPORT. THE AIRPORT RESERVES THE RIGHT TO APPROVE THE CROSSING GUARDS. THE CONTRACTOR SHALL PROVIDE THEIR OWN RADIOS. THIS COST SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYMENT OF MUNICIPAL FINES (\$50D PER OCCURENCE) DUE TO AIRPIELD INCURSIONS BY HIS EMPLOYEES, SUBCONTRACTORS, SUPPLIERS, CONSULTANTS AND/OR AGENTS.
- 33. ANY PAVEMENT DAMAGED BY CONTRACTOR'S OPERATIONS SHALL BE REPAIRED IMMEDIATELY BY HIM TO THE SATISFACTION OF THE RESIDENT ENGINEER AND AIRPORT DIRECTOR AT NO ADDITIONAL COST TO THE OWNER. PAVEMENT SHALL BE CONTINUALLY SWEPT TO PROVIDE DEBRIS FREE SURFACE DURING ALL HAUL ROAD OPERATIONS. THIS COST SHALL NOT BE PAID SEPERATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE
- 34. WORK WITHIN THE A.O.A. SHALL BE EXPEDITED. ANY DROP OFF SHALL BE ADEQUATELY LIGHTED, SIGNED AND BARRICADED. NO MATERIAL SHALL BE STOCKPILED WITHIN THE A.O.A. SHOULD IT BE NECESSARY FOR THE CONTRACTOR TO TEMPORARILY RELOCATE EQUIPMENT TO ALOW AIRCRAFT TO PASS, THEY SHALL DO SO AT NO EXTRA COST TO THE PROJECT. THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER AND AIRPORT DIRECTOR TWO (2) WORKING DAYS IN ADVANCE OF ANY PLANNED CONSTRUCTION WITHIN THESE LIMITS.

### LIMITATIONS ON CONSTRUCTION WITHIN AIRPORT OPERATIONS AREA (A.O.A.)

ANY WORK WITHIN 200' OF THE CENTERLINE OF AN ACTIVE RUNWAY SHALL BE DONE AS SHOWN ON THE ANY WORK WITHIN 200' OF THE CENTERLINE OF AN ACTIVE RUNWAY SHALL BE DONE AS SHOWN ON TH SEQUENCE OF CONSTRUCTION PLAN SHEETS. ON ANY DAY WHEN CONSTRUCTION IS WITHIN 200' OF THE CENTERLINE OF THE RUNWAY, THE RUNWAY SHALL BE CLOSED. THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER AND AIRPORT DIRECTOR TWO (2) WORKING DAYS IN ADVANCE OF ANY PLANNED CONSTRUCTION WITHIN THESE LIMITS. WORK SHALL BE EXPEDITED IN THESE AREAS AND AT THE COMPLETION OF THE PHASE THE AREAS SHALL BE SMOOTHLY GRADED TO ALLOW THE RUNWAY TO BE REOPENED. AT LEAST ONE OF THE RUNWAYS SHALL REMAIN IN OPERATION AT ALL TIMES. IF NECCESSARY STEEL PLATES SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR TO COVER ANY OPEN TRENCHES OR EXCAVATION WITHIN THE A.O.A. IF DURING RUNWAY CLOSURE AN EMERGENCY IS DECLARED, THE CONTRACTOR SHALL IMMEDIATELY CLEAR THE RUNWAY OF ALL. VEHICLES, MEN AND EQUIPMENT.

### TAXIWAYS:

CONSTRUCTION WILL BE ALLOWED UP TO THE EDGE OF THE TAXIWAY PAVEMENTS WITHOUT CLOSURE ON A CONSTRUCTION WILL BE ALLOWED UP TO THE EDGE OF THE TAXIWAY PAVEMENTS WITHOUT CLOSURE ON A UNITED BASIS. WORK WITHIN THE A.O.A. SHALL BE EXPEDITED. ANY DROP OFF SHALL BE ADEQUATELY LIGHTED, SIGNED AND BARRICADED. NO MATERIAL SHALL BE STOCKPILED WITHIN THE A.O.A. SHOULD IT BE NECESSARY FOR THE CONTRACTOR TO TEMPORARILY RELOCATE EQUIPMENT TO ALLOW AIRCRAFT TO PASS, THEY SHALL DO SO AT NO EXTRA COST TO THE PROJECT. THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER AND AIRPORT DIRECTOR TWO (2) WORKING DAYS IN ADVANCE OF ANY PLANNED CONSTRUCTION WITHIN THESE LIMITS.

### NOTE - ALL PHASES

ALL EXISTING TAXIWAY AND RUNWAY AIRFIELD LIGHTING CIRCUITS. FAA CABLES AND OTHER AIRPORT ELECTRICAL CABLES SHALL REMAIN IN SERVICE UNTIL REPLACED AS ACCEPTABLE TO THE RESIDENT ENGINEER, ALL TEMPORARY CABLING AND SPLICING NECESSARY TO KEEP THE CIRCUITS IN OPERATION SHALL BE CONSIDERED INCIDENTAL TO CONTRACT.

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AIRPORT IOIS IY 33 ILS; LOCALIZER RUCTI( ILON MUNICIPAL / IRORA, ILLINC UCT RUNWAY RUNWAY 9 | بدن CONSTRUCT R 무 ORA шZ O III ENG 3 ш S CRAWFOR CONSULTI CAL

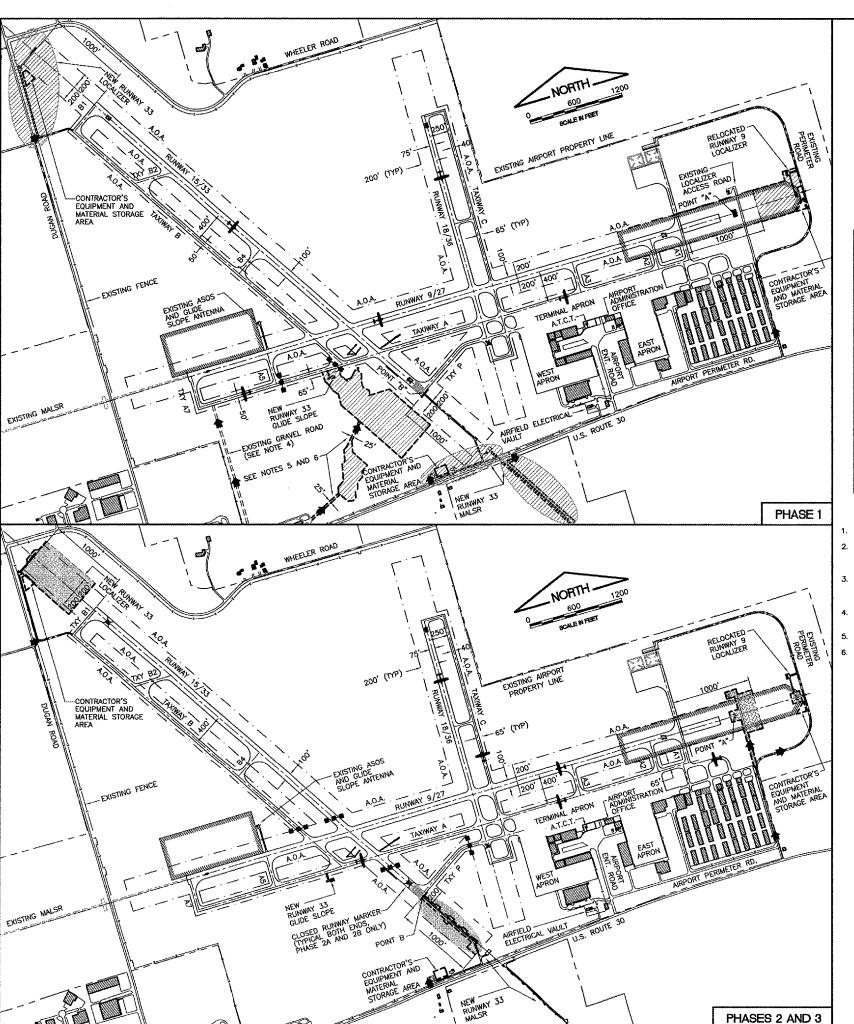
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ILLINOIS PROJECT: ARR-3468
A.I.P. PROJECT: 3-17-0003-B31 FINAL SUBMITTAL

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SHEET 6 OF 67 SHEETS

JOB No:



LEGEND

PROPOSED GRADING/WORK LIMITS

PROPOSED PHASE 1 IMPROVEMENTS PROPOSED PHASE 2 IMPROVEMENTS

PROPOSED PHASE 3 IMPROVEMENTS

TEMPORARY CLOSED RUNWAY MARKER

AIR OPERATIONS AREA (A.O.A.) ACTIVE RUNWAYS 200' CENTERLINE TO A.O.A. ACTIVE TAXIWAYS 65' CENTERLINE TO A.O.A. AIRCRAFT MOVEMENT AREAS

BARRICADES WITH FLASHING RED LIGHTS AND SIGNS "DO NOT ENTER" AND "AIRCRAFT MOVEMENT AREA"

(SEE GENERAL NOTE 11 ON PREVIOUS SHEET) CONTRACTOR'S ACCESS/HAUL ROAD

WORK AREA

PHASE 1A RELOCATED RUNWAY 9 LOCALIZER RUNWAY 33 MALSR OUTSIDE

RUNWAY 33 LOCALIZER OUTSIDE RUNWAY 15/33 AIR OPERATIONS AREA RUNWAY 33 GLIDESLOPE OUTSIDE TAXIWAY A AIR OPERATIONS AREA

RUNWAY 33 GLIDESLOPE INSIDE TAXIWAY A AIR OPERATIONS AREA

RUNWAY 33 MALSR THRESHOLD BAR AND RUNWAY 33 PAPI RELOCATION

RUNWAY 15/33 PAVEMENT MARKING RUNWAY 33 MALSR AND LOCALIZER

POLLUTION PREVENTION PLANS

PHASE 28

SITE RESTORATION WITHIN RUNWAY 9/27 AIR OPERATIONS AREA
 LANDSCAPING AS SHOWN ON STORMWATER

WITHIN RUNWAY 15/33 AIR OPERATIONS AREA PHASE 3
• EXISTING RUNWAY 9 LOCALIZER RELOCATION

### PATH: K:\auroraap\0428504\draw AU062

DESIGN AIRCRAFT APPROACH CATEGORY: D

DESIGN AIRPORT GROUP: III

GROUND CONTROL FREQUENCY: 121,70
AIR CONTROL FREQUENCY: 120.60

MAXIMUM ANTICIPATED HEIGHT OF CONSTRUCTION EQUIPMENT: 65' (CRANE FOR GLIDESLOPE INSTALLATION)

CLOSEST CONSTRUCTION POINT TO

RUNWAY 9/27 (POINT A) ELEV. = 702.30 LATITUDE: 41'46'13.61" LONGITUDE: 88'27'32.40'

RUNWAY 15/33 (POINT B) ELEV. = 698.60 LATITUDE: 41'46'02.68"

LONGITUDE: 88'28'30,32'

OPERATIONAL STATUS/ RESTRICTIONS

PAVEMENTS OPEN

BETWEEN TAXIWAYS B AND A5

RUNWAY 15/33 CLOSED 14-DAY MAXIMUM CLOSURE

RUNWAY 15/33 CLOSED DAILY BETWEEN 7:00 A.M. AND 5:00 P.M.

(SEE NOTE 2)

RUNWAY 9/27 OR RUNWAY 15/33 CLOSED DAILY

BETWEEN 7:00 A.M. AND 5:00 P.M.

(SEE NOTES 1 AND 2)

7-DAY MAXIMUM CLOSURE (SEE NOTE 4)

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# ASTRUCT 370-2E ITION) ILS, ALIZER AIRPORT IOIS IV 33 ILS; LOCALIZI No Sign RUNWA)

CONSTRUCT R

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### **NOTES**

X

- RUNWAY 15/33 AND RUNWAY 9/27 MAY NOT BE CLOSED AT THE SAME TIME.
- DURING PERIODS OF RUNWAY DAY CLOSURES, NO OPEN EXCAVATIONS, CONSTRUCTION EQUIPMENT OR STOCKPILED MATERIAL MAY BE LEFT WITHIN THE A.O.A. AT THE END OF EACH WORKING DAY. THE A.O.A. MUST ALSO BE GRADED SMOOTHLY TO THE SATISFACTION OF THE AIRPORT. REFER TO FAA ADVISORY CIRCULAR 150/5370-2E FOR MORE INFORMATION.

ALLOWABLE WORK

**PERIODS** 

NO RESTRICTIONS

AFTER PHASE 1A RUNWAY 33

GLIDESLOPE CRUSHED AGGREGATE

BASE OUTSIDE A.O.A. IS COMPLETE

AFTER PHASE 1 IS COMPLETE

AFTER PHASE 1 IS COMPLETE.

AFTER PHASE 2 IS COMPLETE AND RUNWAY 33 ILS IS OPERATIONAL

AND COMMISSIONED (SEE NOTE 3)

- BEFORE STARTING PHASE 3, THE CONTRACTOR IS REQUIRED TO COORDINATE WITH FAA PERSONNEL, THE AIRPORT AND ENGINEER TO ENSURE THAT THE COMPLETE RUNWAY 15/33 ILS IS OPERATIONAL AND COMMISSIONED. THE COMPLETE RUNWAY 15/33 ILS MUST BE OPERATIONAL AND COMMISSIONED BEFORE THE EXISTING RUNWAY 9 LOCALIZER IS TAKEN OUT OF SERVICE AND RELOCATED.
- IN ORDER TO ACCESS THE SITE FOR PHASE 1B, THE CONTRACTOR SHALL BE IN RADIO CONTACT WITH THE AIR TRAFFIC CONTROL TOWER. SEE NOTE 32 ON SHEET 6.
- 5. THE ENGINEER WILL LAYOUT CONTRACTOR ACCESS ROUTE TO WORK AREAS BEFORE CONSTRUCTION BEGINS.
- IF ANY CROPS ARE DAMAGED BY THE CONTRACTOR, HE SHALL BE RESPONSIBLE FOR COMPENSATING THE AIRPORT FOR THE CROP

### PHASE 1: SUGGESTED SEQUENCE OF CONSTRUCTION

- MARK AIR OPERATIONS AREA (A.O.A.) AND ADJACENT AIRPORT PROPERTY LINE WITH LATHE AND RIBBON.
- PLACE BARRICADES AS SHOWN OR AS DIRECTED BY THE ENGINEER.
- CONSTRUCT PROPOSED IMPROVEMENTS.

### PHASE 2: SUGGESTED SEQUENCE OF CONSTRUCTION

- FOR PHASE 2A, COORDINATE CLOSURE OF RUNWAY 15/33 WITH THE ENGINEER. PLACE CLOSED RUNWAY MARKERS.
- PLACE BARRICADES AS SHOWN OR AS DIRECTED BY THE ENGINEER.
- CONSTRUCT PROPOSED IMPROVEMENTS.
- CLEAN PAVEMENTS AND REMOVE BARRICADES.
- FOR PHASE 2B, UPON COMPLETION OF PHASE 2A, COORDINATE DAY CLOSURES OF RUNWAY 15/33 WITH THE ENGINEER AND PLACE CLOSED RUNWAY MARKERS (SEE NOTE 2).
- CONSTRUCT PROPOSED IMPROVEMENTS AND SMOOTHLY GRADE WORK AREA.
- OPEN RUNWAY 15/33 AT THE END OF EACH DAY.

### PHASE 3: SUGGESTED SEQUENCE OF CONSTRUCTION

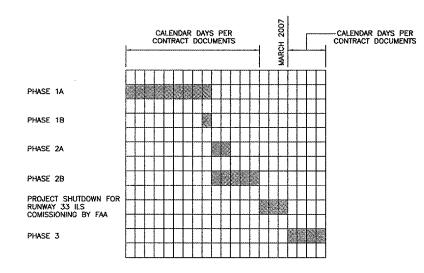
- COORDINATE DAY CLOSURES OF RUNWAY 9/27 OR RUNWAY 15/33 WITH THE ENGINEER AND PLACE CLOSED RUNWAY MARKERS (SEE NOTES 1 AND 2).
- CONSTRUCT PROPOSED IMPROVEMENTS AND SMOOTHLY GRADE WORK AREA.
- LANDSCAPE AS SHOWN ON STORMWATER POLLUTION PREVENTION PLANS.
- . OPEN RUNWAY 9/27 OR RUNWAY 15/33 AT THE END OF EACH DAY.

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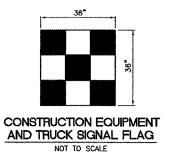
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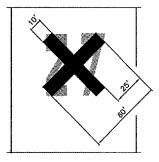
7 OF 67 SHEETS



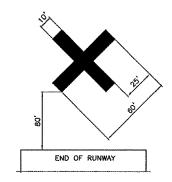
### NOTES

- 1. THE GENERAL PHASE DURATIONS SHOWN ARE ESTIMATED AND ARE FOR REFERENCE ONLY.
- NO CALENDAR DAYS WILL BE CHARGED DURING PROJECT SHUTDOWN FOR RUNWAY 33 ILS COMISSIONING BY FAA.
- 3. COMISSIONING OF THE RUNWAY 33 ILS IS ANTICIPATED IN MARCH 2007.
- 4. THE TOTAL NUMBER OF CALENDAR DAYS SHOWN IN THE CONTRACT DOCUMENTS ARE TO BE DIVIDED AMONGST ALL PHASES AT THE CONTRACTOR'S DISCRETION.





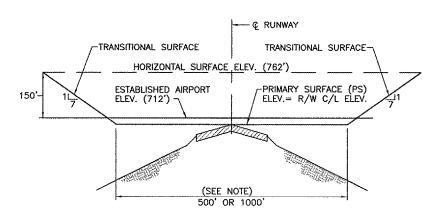
ON PAVEMENT
CLOSED RUNWAY MARKER DETAIL
NOT TO SCALE



OFF PAVEMENT
CLOSED RUNWAY MARKER DETAIL
NOT TO SCALE

### CLOSED RUNWAY MARKER DETAIL NOTES

- 1. CLOSED RUNWAY MARKERS SHALL BE YELLOW.
- MARKERS SHALL BE MATERIAL APPROVED BY THE ENGINEER, YELLOW SNOW FENCE WILL NOT BE ALLOWED,
- 3. CONTRACTOR SHALL MAINTAIN AND RELOCATE MARKERS AS SHOWN ON THE PLANS OR AS NEEDED TO FACILITATE CONSTRUCTION
- 4. MARKERS ON PAVEMENT SHALL BE PLACED OVER EXISTING RUNWAY NUMERALS AS SHOWN.
- COST OF FURNISHING, INSTALLING, MAINTAINING AND REMOVING MARKERS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- 6. DURING VARIOUS PHASES OF WORK, IT WILL BE NECESSARY TO CLOSE RUNWAYS TO AIR TRAFFIC ON A TEMPORARY BASIS AS COORDINATED WITH THE AIRPORT AND TOWER PERSONNEL. THE CONTRACTOR SHALL MARK THE RUNWAYS TO BE CLOSED BY PLACING A YELLOW CROSS AT THE LOCATION AND DIMENSIONS DETAILED ON THIS SHEET. THE CROSSES ARE SHOWN ON THE RESPECTIVE RUNWAYS ACCORDING TO THE VARIOUS PHASES OF WORK AS DELINEATED IN THE SUGGESTED SEQUENCE OF CONSTRUCTION.

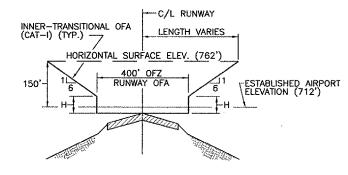


### TYPICAL SECTION F.A.R. PART 77 IMAGINARY SURFACES

NO SCALE

NOTE:

IMAGINARY SURFACE REQUIREMENTS FOR EXISTING ACTIVE RUNWAYS (R/W) ARE SIMILAR EXCEPT PRIMARY SURFACE (PS) DIMENSIONS VARY R/W 18-36 500' PS (250' LT & RT OF Q) R/W 9-27,15/33 1000' PS (500' LT & RT OF Q)



# TYPICAL SECTION OBSTACLE FREE ZONE (OFZ)

NO SCALE

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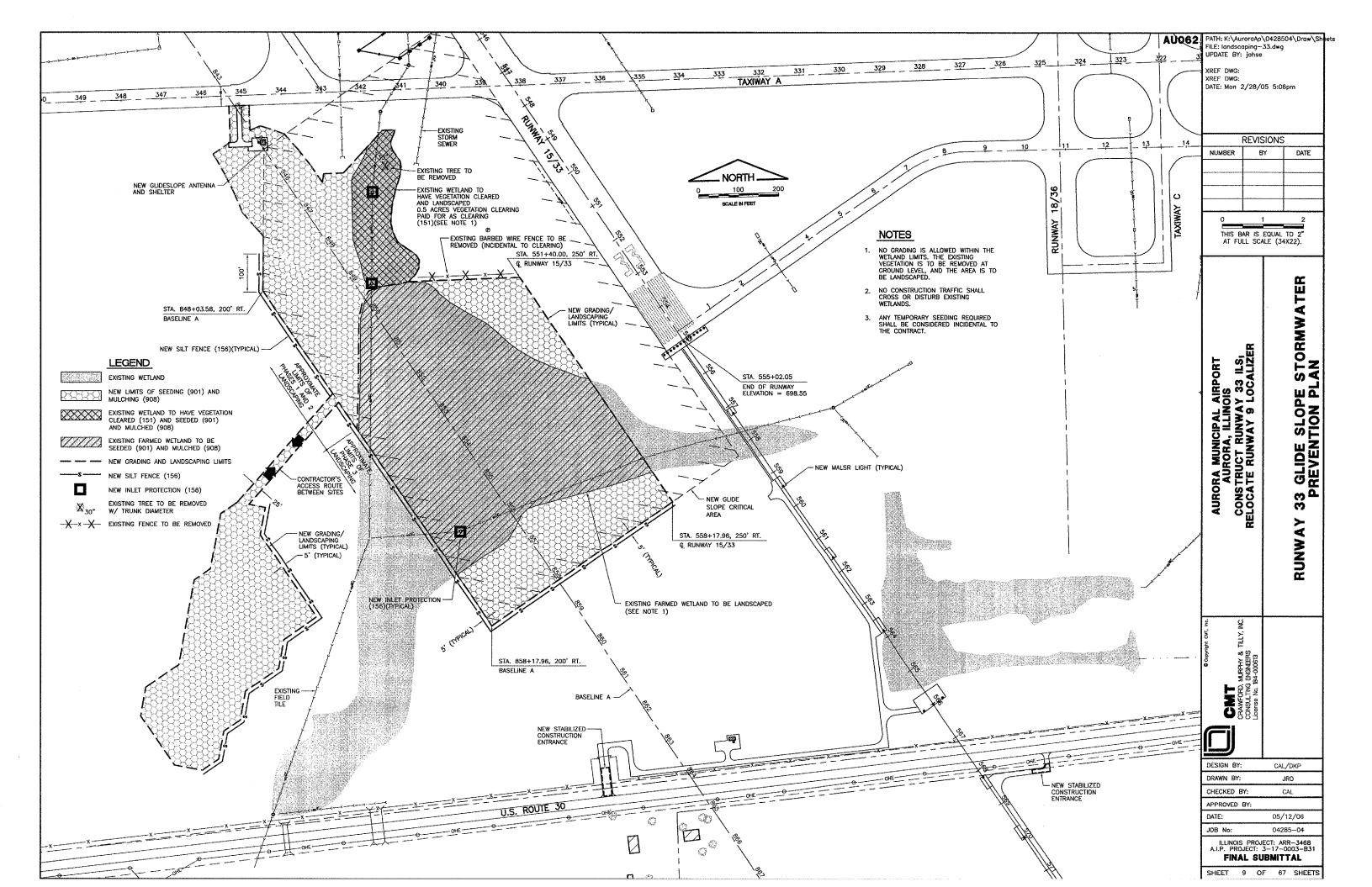
### TYPICAL PROFILE F.A.R. PART 77 IMAGINARY SURFACES

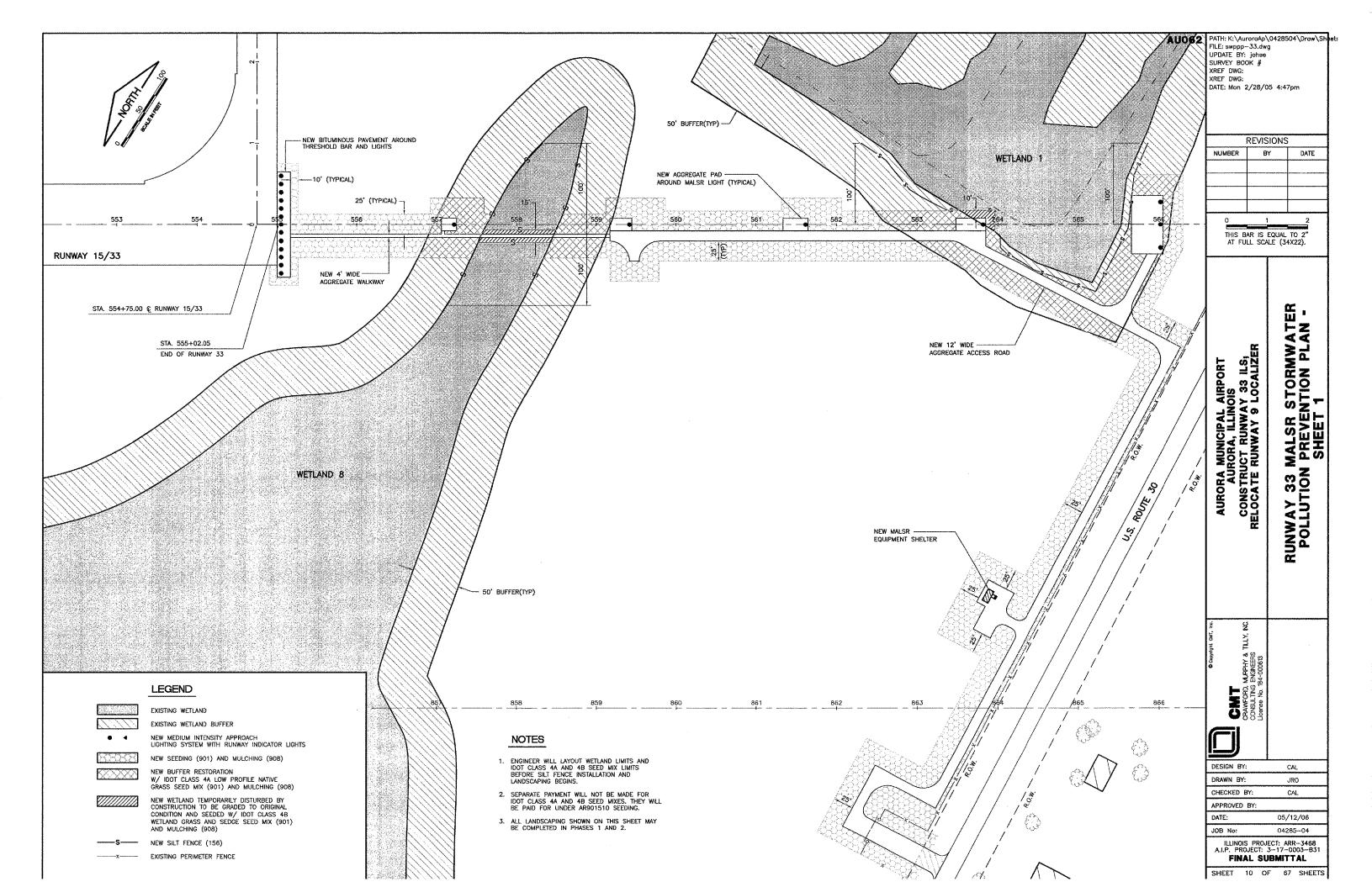
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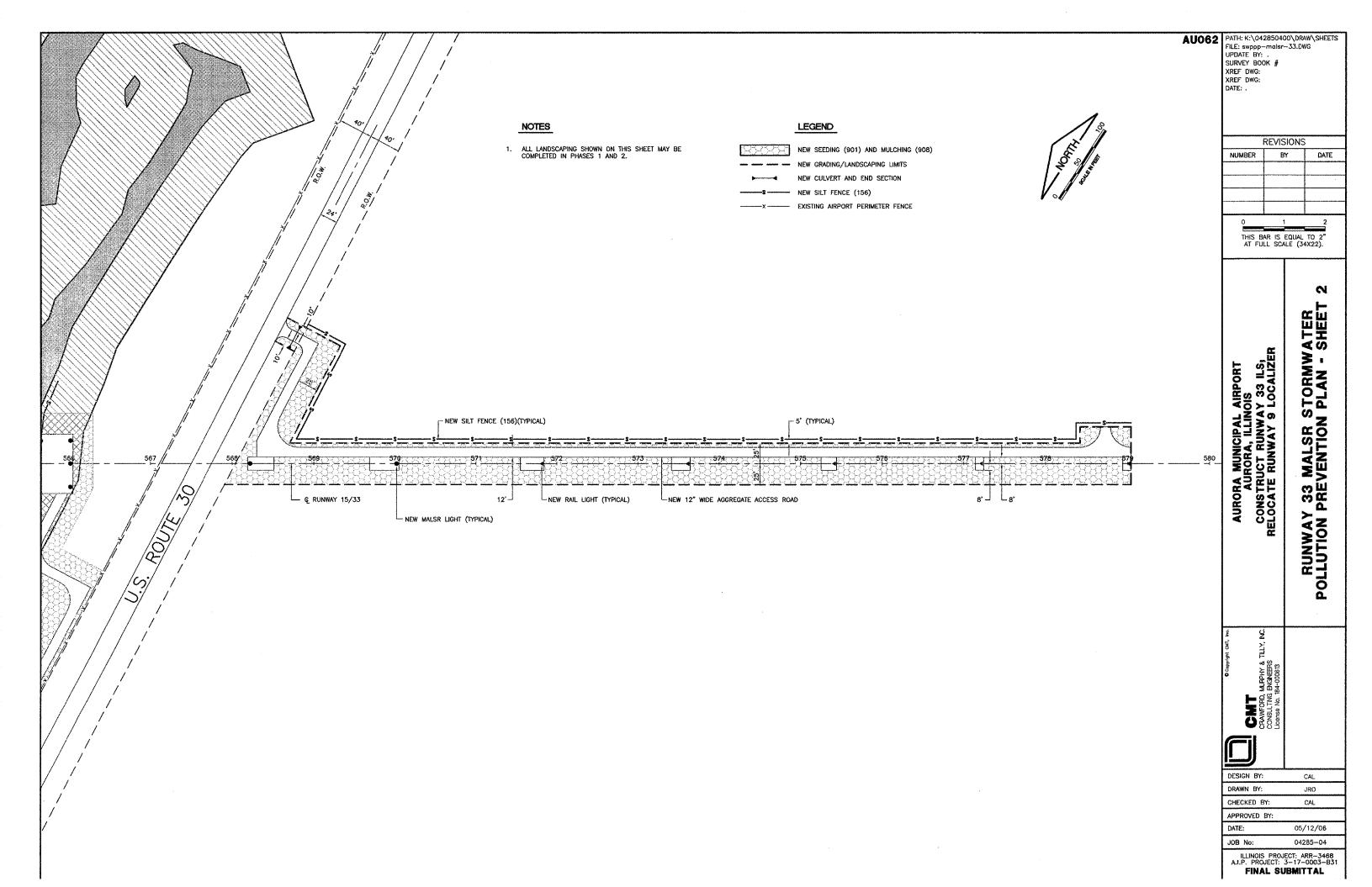
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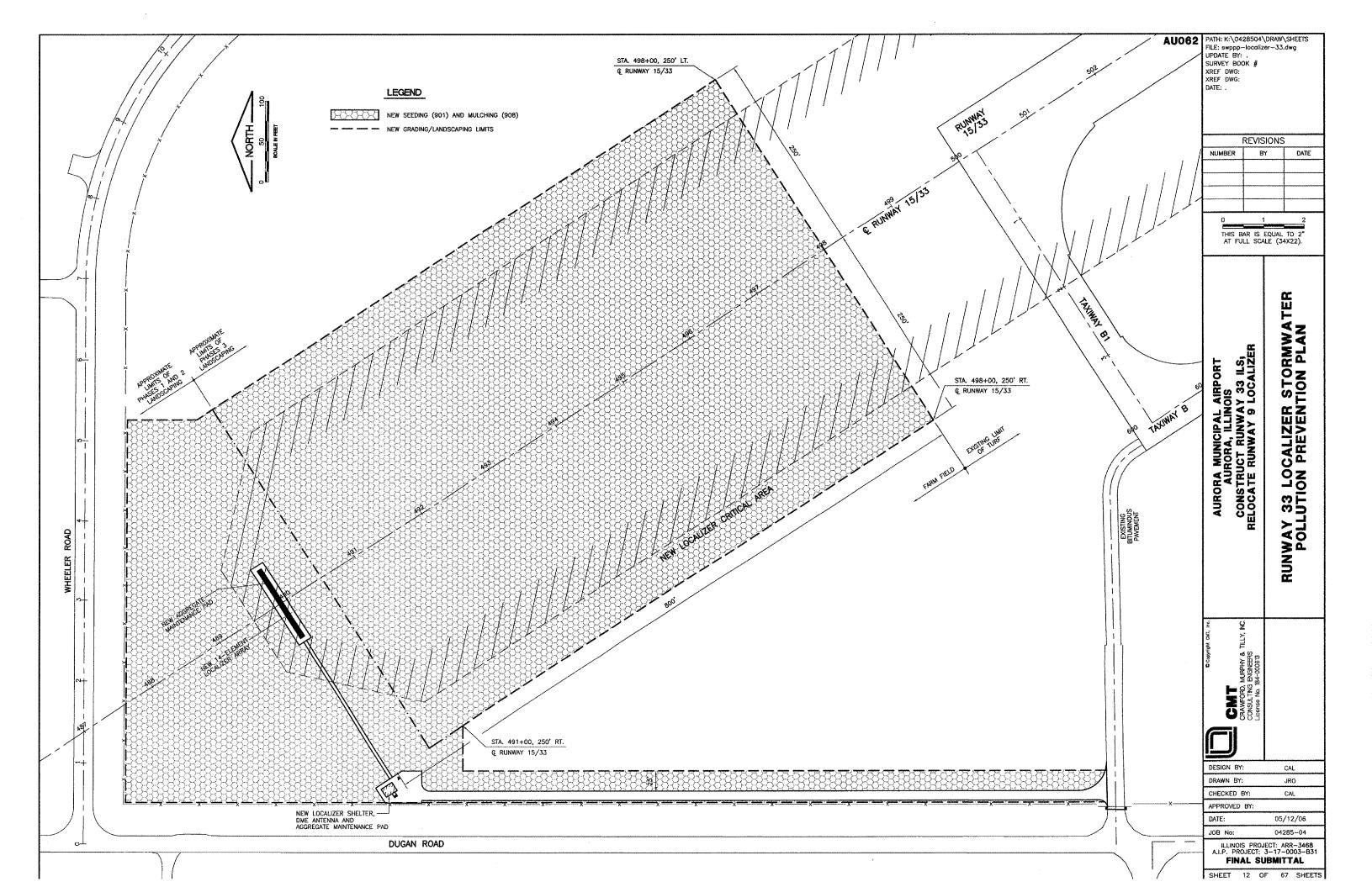
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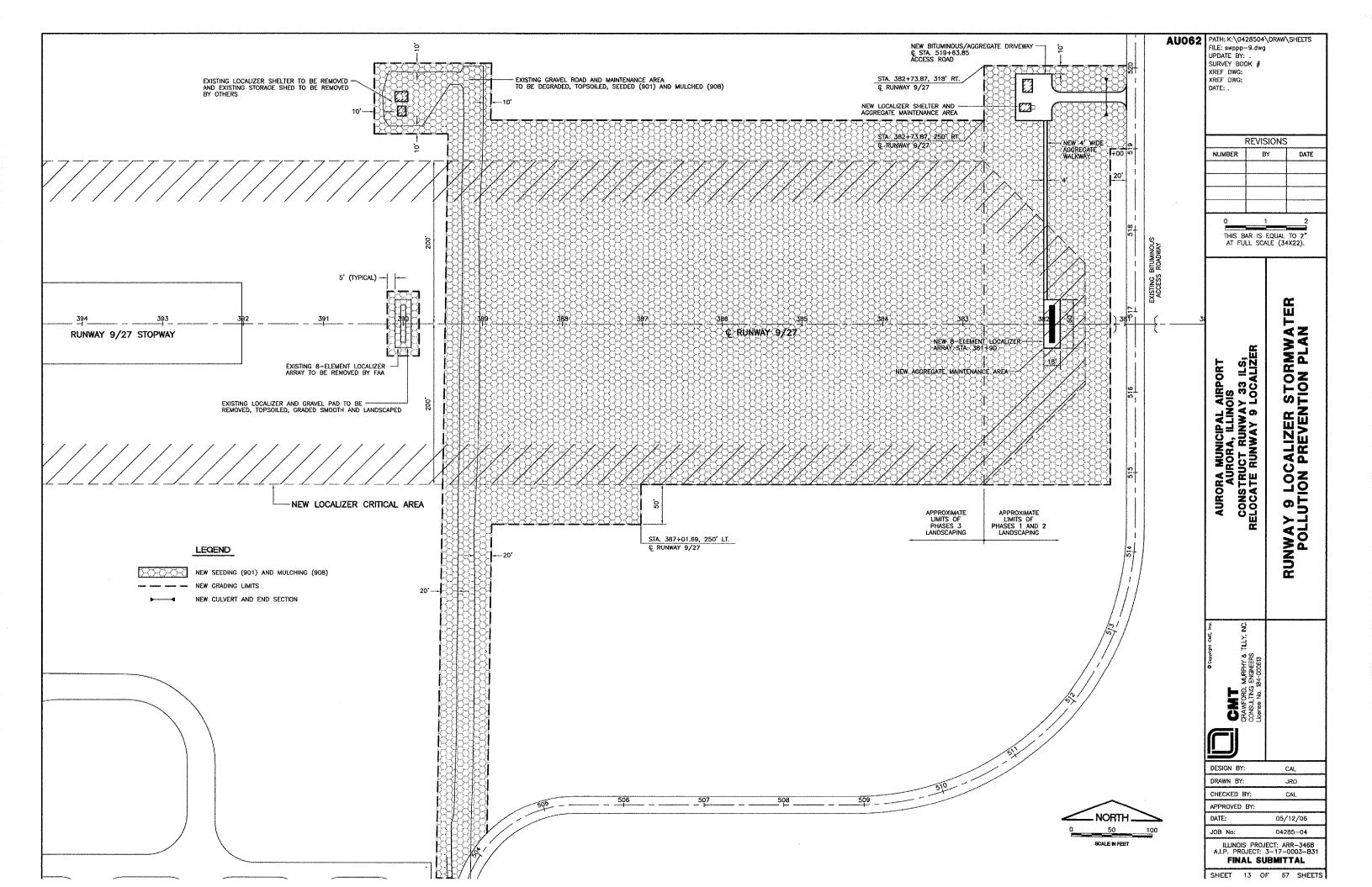
SHEET 8 OF 67 SHEETS











### STORM WATER POLLUTION PREVENTION PLAN

THE FOLLOWING PLAN IS ESTABLISHED AND INCORPORATED IN THE PROJECT TO DIRECT THE CONTRACTOR IN THE PLACEMENT OF TEMPORARY EROSION CONTROL SYSTEMS AND TO PROVIDE A STORM WATER POLLUTION PREVENTION PLAN FOR COMPLIANCE WITH NPDES.

THE PURPOSE OF THIS PLAN IS TO MINIMIZE EROSION WITHIN THE CONSTRUCTION SITE AND TO LIMIT SEDIMENTS FROM LEAVING THE SITE BY UTILIZING PROPER TEMPORARY EROSION CONTROL SYSTEMS AND PROVIDING GROUND COVER WITHIN A REASONABLE AMOUNT OF TIME.

CERTAIN EROSION CONTROL FACILITIES SHALL BE INSTALLED BY THE CONTRACTOR AT THE BEGINNING OF CONSTRUCTION. OTHER ITEMS SHALL BE INSTALLED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER ON A CASE BY CASE SITUATION DEPENDING ON THE CONTRACTOR'S SEQUENCE OF ACTIVITIES, TIME OF YEAR, AND

THE CONTRACTOR SHALL INSTALL PERMANENT EROSION CONTROL SYSTEMS AND SEEDING WITHIN A TIMEFRAME SPECIFIED HEREIN AND AS DIRECTED BY THE ENGINEER, THEREFORE MINIMIZING THE AMOUNT OF AREA SUSCEPTIBLE TO EROSION AND REDUCING THE AMOUNT OF TEMPORARY SEEDING, WHICH WILL BE THE CONTRACTOR'S COST. THE ENGINEER WILL DETERMINE IF ANY TEMPORARY EROSION CONTROL SYSTEMS SHOWN IN THE PLAN CAN BE DELETED AND IF ANY ADDITIONAL TEMPORARY EROSION CONTROL SYSTEMS, WHICH ARE NOT INCLUDED IN THIS PLAN, SHALL BE ADDED. THE CONTRACTOR SHALL PERFORM ALL WORK AS DIRECTED BY THE ENGINEER AND AS SHOWN ON THE PLANS.

### SITE DESCRIPTION

THE FOLLOWING IS A DESCRIPTION OF THE CONSTRUCTION ACTIVITY WHICH IS THE SUBJECT OF THIS PLAN:

THIS PROJECT CONSISTS OF CONSTRUCTING A NEW NAVAID AT THE AURORA AIRPORT. THE PROJECT INCLUDES EXCAVATION, EMBANKMENT, DRAINAGE, VARIOUS PAVEMENT ITEMS, FENCING, ELECTRICAL IMPROVEMENTS AND OTHER MISCELLANEOUS CONSTRUCTION WORK.

THE FOLLOWING IS A DESCRIPTION OF THE INTENDED SEQUENCE OF MAJOR ACTIVITIES WHICH WILL DISTURB SOILS. FOR MAJOR PORTIONS OF THE CONSTRUCTION SITE, SUCH AS EXCAVATION AND GRADING:

- EXCAVATION AND EMBANKMENT WILL BE COMPLETED WITHIN THE PROJECT LIMITS TO GRADE OUT FOR THE PROPOSED ELECTRICAL AND PAVEMENT IMPROVEMENTS.
- PLACEMENT, MAINTENANCE, REMOVAL AND PROPER CLEAN-UP OF TEMPORARY EROSION CONTROL, SUCH AS PERIMETER SILT FENCE AND INLET PROTECTION.
- 3. PAVEMENT CONSTRUCTION.
- 4. ELECTRICAL IMPROVEMENTS AND SHELTER ERECTION.
- 5. FINAL GRADING AND OTHER MISCELLANEOUS ITEMS.
- 6. PLACEMENT OF PERMANENT EROSION CONTROL, SUCH AS SEEDING AND MULCHING.

### AREA OF CONSTRUCTION SITE

THE TOTAL AREA OF THE CONSTRUCTION SITE IS ESTIMATED TO BE 45 ACRES OF WHICH 9 ACRES WILL BE DISTURBED BY EXCAVATION, GRADING AND OTHER ACTIVITIES.

OTHER REPORTS, STUDIES AND PLANS WHICH AID IN THE DEVELOPMENT OF THE STORM WATER POLLUTION PREVENTION PLAN AS REFERENCED DOCUMENTS:

- INFORMATION OF THE SOILS AND TERRAIN WITHIN THE SITE WAS OBTAINED FROM TOPOGRAPHIC SURVEYS AND SOIL BORINGS FROM PREVIOUS PROJECTS THAT WERE UTILIZED FOR THE DEVELOPMENT OF THE PROPOSED TEMPORARY EROSION CONTROL SYSTEMS.
- PROJECT PLAN DOCUMENTS, SPECIFICATION AND SPECIAL PROVISIONS, AND PLAN DRAWINGS INDICATING DRAINAGE PATTERNS AND APPROXIMATE SLOPES ANTICIPATED AFTER GRADING ACTIVITIES WERE UTILIZED FOR THE PROPOSED PLACEMENT OF THE TEMPORARY EROSION CONTROL SYSTEMS.

DRAINAGE TRIBUTARIES AND SENSITIVE AREAS RECEIVING RUNOFF FROM THIS CONSTRUCTION SITE:

THE CONSTRUCTION SITE DRAINS INTO THE WELCH CREEK THROUGH A STORM SEWER SYSTEM.

CONTROLS-EROSION CONTROLS AND SEDIMENT CONTROL

DESCRIPTION OF STABILIZATION PRACTICES AT THE BEGINNING OF CONSTRUCTION

1. THE DRAWINGS, SPECIFICATIONS AND SPECIAL PROVISIONS WILL ENSURE THAT EXISTING VEGETATION IS PRESERVED. THE DRAWINGS, SPECIFICATIONS AND SPECIAL PROVISIONS WILL ENSURE THAT EXISTING VEGETATION IS PRESERVED WHERE ATTAINABLE AND DISTURBED PORTIONS OF THE SITE WILL BE STABILIZATION. STABILIZATION PRACTICES INCLUDE SEEDING AND MULCHING AS DIRECTED BY THE ENGINEER. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS POSSIBLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. WHERE WORK IS COMPLETE, PERMANENT STABILIZATION SHALL OCCUR WITHIN 14 DAYS OF COMPLETION, AND IN AREAS WHERE WORK HAS TEMPORARILY CEASED FOR 21 DAYS OR MORE, TEMPORARY STABILIZATION SHALL OCCUR BY THE 14TH DAY AFTER WORK HAS CEASED.

AS SOON AS REASONABLE ACCESS IS AVAILABLE TO ALL LOCATIONS WHERE WATER DRAINS AWAY FROM THE PROJECT, INLET PROTECTION AND PERIMETER SILT FENCE SHALL BE INSTALLED AS CALLED OUT IN THE PLANS OR AS DIRECTED BY THE ENGINEER.

THIS PLAN HAS BEEN PREPARED TO COMPLY WITH THE PROVISIONS OF THE NPDES PERMIT NUMBER ILR10, ISSUED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FOR STORM WATER DISCHARGES FROM CONSTRUCTION SITE

### DESCRIPTION OF STABILIZATION PRACTICES DURING CONSTRUCTION:

DURING CONSTRUCTION, AREAS OUTSIDE THE CONSTRUCTION LIMITS AS OUTSIDED PREVIOUSLY HEREIN SHALL BE PROTECTED. THE CONTRACTOR SHALL NOT USE THIS AREA FOR STAGING (EXCEPT AS DESCRIBED ON THE PLANS AND DIRECTED BY THE ENGINEER), PARKING OF VEHICLES OR CONSTRUCTION EQUIPMENT, STORAGE OF MATERIALS, OR OTHER CONSTRUCTION RELATED ACTIVITIES.

- 1. WITHIN THE CONSTRUCTION LIMITS, AREAS WHICH MAY BE SUSCEPTIBLE TO EROSION AS DETERMINED BY THE ENGINEER SHALL REMAIN UNDISTURBED UNTIL FULL SCALE CONSTRUCTION IS UNDERWAY TO PREVENT UNNECESSARY SOIL EROSION.
- 2. EARTH STOCKPILES AND OTHER BUILDING MATERIALS TO REMAIN IN PLACE MORE THAN (3) DAYS SHALL BE FURNISHED WITH EROSION AND SEDIMENT CONTROL MEASURES AND SHALL BE INCIDENTAL TO THE CONTRACT. STOCKPILES SHALL BE TEMPORARILY SEEDED AND MULCHED, WHICH WILL BE INCIDENTAL TO THE CONTRACT. IF THEY ARE TO REMAIN UNUSED FOR MORE THAN 30 DAYS. STOCKPILES SHALL NOT BE LOCATED IN SPECIAL
- 3. AS CONSTRUCTION PROCEEDS. THE CONTRACTOR SHALL INSTITUTE THE FOLLOWING AS DIRECTED BY THE ENGINEER: A. PLACE TEMPORARY EROSION CONTROL FACILITIES AT LOCATIONS SHOWN ON THE PLANS.
- B. CONSTRUCT DITCHES AND PROVIDE TEMPORARY EROSION CONTROL SYSTEMS.
- C. BUILD NECESSARY EMBANKMENT AT CULVERT/STORM SEWER LOCATIONS AND THEN EXCAVATE AND PLACE
- D. EXCAVATED AREAS AND EMBANKMENT AREAS SHALL BE PERMANENTLY SEEDED IMMEDIATELY AFTER FINAL GRADING. IF NOT, THEY SHALL BE TEMPORARILY SEEDED, AT THE CONTRACTOR'S COST, IF NO CONSTRUCTION ACTIVITY IN THE AREA IS PLANNED FOR SEVEN DAYS.
- E. ANY WATER PUMPED OR OTHERWISE DISCHARGED FROM THE SITE DURING CONSTRUCTION SHALL BE
- 4. CONSTRUCTION EQUIPMENT SHALL BE STORED AND FUELED ONLY AT DESIGNATED LOCATIONS. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OR POLLUTANT IN ACCORDANCE WITH EPA WATER QUALITY REQUIATIONS. LEAKING EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.
- 5. THE RESIDENT ENGINEER SHALL INSPECT THE PROJECT DAILY DURING CONSTRUCTION ACTIVITIES.
  INSPECTION SHALL ALSO BE DONE WEEKLY AND AFTER RAINS OF 1/2 INCH OR GREATER OR EQUIVALENT SNOWFALL AND DURING WINTER SHUTDOWN PERIOD.
- 6. SEDIMENT COLLECTED DURING CONSTRUCTION OF THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON SITE ON A REGULAR BASIS AS DIRECTED BY THE ENGINEER. THE COST OF THIS MAINTENANCE SHALL BE INCLUDED IN THE UNIT BID PRICE FOR UNCLASSIFIED EXCAVATION AND EROSION CONTROL ITEMS.
- 7. THE TEMPORARY EROSION CONTROL SYSTEMS SHALL BE REMOVED AS DIRECTED BY THE ENGINEER AFTER USE IS NO LONGER NEEDED OR NO LONGER FUNCTIONING. THE COST OF THIS REMOVAL SHALL BE INCLUDED IN THE UNIT BID PRICE FOR VARIOUS TEMPORARY EROSION CONTROL PAY ITEMS.

### DESCRIPTION OF STRUCTURAL PRACTICES AFTER FINAL GRADING:

TEMPORARY EROSION CONTROL SYSTEMS SHALL BE LEFT IN PLACE WITH PROPER MAINTENANCE UNTIL PERMANENT EROSION CONTROL IS IN PLACE AND WORKING PROPERLY AND ALL PROPOSED TURF AREAS ARE SEEDED AND

ONCE PERMANENT EROSION CONTROL SYSTEMS AS PROPOSED IN THE PLANS ARE FUNCTIONAL AND ESTABLISHED, TEMPORARY ITEMS SHALL BE REMOVED, CLEANED UP, AND DISTURBED TURF RESEEDED

### MAINTENANCE AFTER CONSTRUCTION

CONSTRUCTION IS COMPLETE AFTER FINAL ACCEPTANCE BY THE ILLINOIS DIVISION OF AERONAUTICS. MAINTENANCE UP TO THIS DATE WILL BE REQUIRED BY THE CONTRACTOR.

### CONTRACTORS

- 1. THE STORM WATER POLLUTION PREVENTION PLAN MUST CLEARLY IDENTIFY FOR EACH MEASURE IDENTIFIED THE STORM WATER POLLUTION PREVENTION PLAN MOST CLEARTS IDENTIFY FOR EACH MEASURE IDENTIFIED IN THE PLAN, THE CONTRACTORS) OR SUBCONTRACTORS, STATE WILL IMPLEMENT THE MEASURE, ALL CONTRACTORS AND SUBCONTRACTORS IDENTIFIED IN THE PLAN MUST SIGN A COPY OF THE CERTIFICATION STATEMENT IN PARAGRAPH 2 BELOW IN ACCORDANCE WITH PART VI.G (SIGNATORY REQUIREMENTS) OF THIS PERMIT, ALL CERTIFICATIONS MUST BE INCLUDED IN THE STORM WATER POLLUTION PREVENTION PLAN EXCEPT FOR OWNERS THAT ARE ACTING AS CONTRACTOR.
- 2. CERTIFICATION STATEMENT ALL CONTRACTORS AND SURCONTRACTORS IDENTIFIED IN A STORM WATER POLLUTION PREVENTION PLAN IN ACCORDANCE WITH PARAGRAPH 1 ABOVE SHALL SIGN A COPY OF THI FOLLOWING CERTIFICATION STATEMENT BEFORE CONDUCTING ANY PROFESSIONAL SERVICE AT THE SITE IDENTIFIED IN THE STORM WATER POLLUTION PREVENTION PLAN:
  - "I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT (1LR10) THAT AUTHORIZES THE STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION."

THE CERTIFICATION MUST INCLUDE THE NAME AND TITLE OF THE PERSON PROVIDING THE SIGNATURE IN ACCORDANCE WITH PART VI.G OF THIS PERMIT: THE NAME, ADDRESS AND TELEPHONE NUMBER OF THE CONTRACTING FIRM; THE ADDRESS (OR OTHER IDENTIFYING DESCRIPTION) OF THE SITE: AND THE DATE THE CERTIFICATION IS MADE.

CONTRACTOR CERTIFICATION							
"I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT (1LR10) THAT AUTHORIZES THE STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION."							
GENERAL CONTRACTOR							
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ILLINIOS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF WATER POLLUTION CONTROL ATTIN. PERMIT SECTION 2200 CHIRCHILL ROAD POST OFFICE BOX 19278 SPRINGFIELD, IL 62794-9278 s this information under illinios Revised Statute, 1991, Chapter 111 1/2, section 1039. Section. Failure to do no may prevent this form from being processed and could result is form has been approved by the Forms Management Center.

NOTICE OF INTENT (NOI)
GENERAL PERMIT TO DISCHARGE STORM SEWIER

CONSTRUCTION SITE ACTIVITIES

IMPORTANT: FORM MUST BE TYPED TO ENABLE AUTOMATED OPTICAL PROCESSING.

OWNER TYPE:(SELECT ONE AN

FIRST MI. (SEE INSTRUCTIONS)

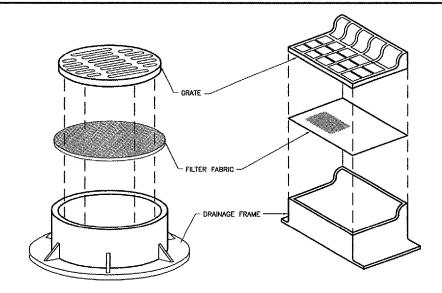
CITY OF AURORA ILLINOIS

### NOTES FOR EROSION CONTROL

OWNER INFORMATION

- THE CONTRACTOR WILL BE REQUIRED TO COMPLY WITH THE REQUIREMENTS OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) STORM WATER PERMIT FOR
- 2. ALL PROJECT AREAS, INCLUDING CONTRACTOR'S STOCKPILE AREA, ABANDONED HAUL ROADS AND STAGING AREAS, AS SHOWN ON THE PLANS, SHAUL HAVE 4 INCHES OF TOPSOIL PLACED AND BE SEEDED AND MULCHED IN ACCORDANCE WITH THE SPECIFICATIONS. AREAS DISTURBED OUTSIDE THE PROJECT LIMITS WILL BE SEEDED AND MULCHED BY THE CONTRACTOR AT HIS COST AND RESTORED TO ORIGINAL CONDITIONS.
- ANY FIELD/DRAIN TILES THAT ARE DAMAGED IN ANY WAY SHALL BE IMMEDIATELY REPAIRED ACCORDING TO THE PLANS/SPECIFICATIONS AND SHALL BE PROTECTED FROM SEDIMENT-LADEN WATER.
- 4. SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSPECTED ON A WEEKLY BASIS AND AFTER EACH 1/2" RAIN EVENT.
- 5. THE CONTRACTOR SHALL HAVE A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN MAINTAINED ON THE SITE AT ALL TIMES.
- 6. PRIOR TO COMMENCING LAND DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING BUT NOT LIMITED TO, ADDITIONAL PHASES OF DEVELOPMENT AND OFF-SITE BORROW OR WASTE AREAS) A SUPPLEMENTARY EROSION CONTROL PLAN SHALL BE SUBMITTED TO THE OWNER FOR REVIEW BY THE KANE-DUPAGE SOIL AND WATER CONSERVATION DISTRICT (KDSWCD).
- 7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE
- 8. DURING DEWATERING OPERATION, WATER SHALL BE PUMPED INTO SEDIMENT BASINS OR SILT TRAPS,
- 9. UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE CONSTRUCTED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS IN THE ILLINOIS URBAN MANUAL REVISED FEBRUARY 2002.
- 10. KDSWCD MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRECONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITIES AND ONE WEEK PRIOR TO THE FINAL INSPECTION.

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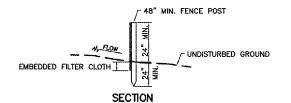
- FILTER WRAP TO BE PLACED IN ALL SLOPE BOXES, INLETS, MANHOLES, TRENCH DRAINS AND CATCH BASINS LOCATED IN PAVED AREAS AND NONPAVED AREAS.
- FABRIC SHALL BE IN CONFORMANCE WITH MATERIALS SPECIFIED FOR FABRIC FENCE.
- FABRIC SHALL OVERLAY FRAME BY 2-INCH (MINIMUM).
- CONTRACTOR SHALL CLEAR DEBRIS AND SILT AS REQUIRED FROM FABRIC TO MAINTAIN DRAINAGE THROUGH THE STRUCTURE.
- FABRIC SHALL REMAIN IN PLACE UNTIL TURFED AREAS HAVE DEVELOPED A MINIMUM OF 80% OF COVERAGE.
- COST OF FILTER WRAP SHALL BE CONSIDERED INCIDENTAL TO INLET PROTECTION.

### DRAINAGE STRUCTURE FILTER WRAP

NOT TO SCALE

# 5' MAX C. TO C. 48" MIN. FENCE POSTS, DRIVEN 24" MINIMUM INTO GROUND SILT FENCE (FABRIC FENCE)

### PERSPECTIVE VIEW



### EROSION CONTROL FABRIC FENCE DETAIL NOT TO SCALE

### CONSTRUCTION NOTES FOR SILT (FABRIC) FENCE

- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER— LAPPED BY 6—INCH MIN. AND FOLDED.
- 2. 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
- 3. SILT FENCE SHALL BE INSTALLED PER STORM WATER POLLUTION PREVENTION PLAN OR AS DIRECTED BY THE ENGINEER.

### **90IL PROTECTION CHART** CHART PROVIDED BY KDSWCD

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SODDING			+ <u>E</u>	**					-			
MULCHING	F											

- A KENTUCKY BLUEGRASS 100 LBS/ACRE PERENNIAL RYEGRASS 60 LBS/ACRE CREEPING RED FESCUE 40 LBS/ACRE
- A1 NATIVE SEEDING
- B KENTUCKY BLUGRASS 100 LBS/ACRE PERENNIAL RYEGRASS 60 LBS/ACRE CREEPING RED FESCUE 40 LBS/ACRES + 1 TON HYDROMULCH
- C SPRING OATS 100 LBS/ACRE
- D WHEAT OR CEREAL RYE 150 LBS/ACRE
- F HYDROMULCH 1 TON/ACRE
- \* IRRIGATION NEEDED DURING JUNE AND JULY
- \*\* IRRIGATION NEEDED FOR 2 TO 3 WEEKS AFTER APPLYING SOD

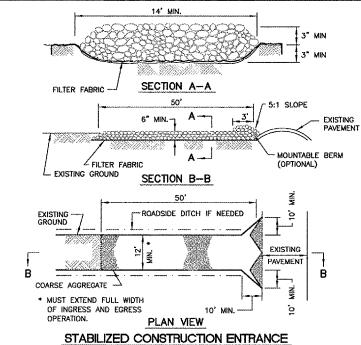
## EDGE OF ROADWAY OR TOP OF EARTH DIKE-6" MIN FLOW FLOW 12\* -EXCAVATE AND RE-COMPACT POST DRIVEN WIRE MESH INTO GROUND

### INLET PROTECTION

FROM NRCS STANDARD DRAWING NO. IL-560

### NOTES:

- 1. FILTER FABRIC SHALL MEET THE REQUIREMENT OF AR156510 SILT FENCE.
- 2. THE WIRE MESH SHALL HAVE A MAXIMUM OPENING OF AT LEAST 6 INCHES.



FROM NRCS STANDARD DRAWING NO. IL-630

- 1. FILTER FABRIC SHALL MEET THE REQUIREMENTS OF MATERIAL SPECIFIED FOR AR152540 IN THE ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF AERONAUTICS SUPPLEMENTAL SPECIFICATIONS AND RECURING SPECIAL PROVISIONS.
- 2. ROCK OR RECLAIMED CONCRETE SHALL MEET ONE OF THE FOLLOWING IDOT COARSE AGGREGATE GRADATION, CA-1, CA-2, CA-3 OR CA-4.
- 3. ANY DRAINAGE FACILITIES REQUIRED BECAUSE OF WASHING SHALL BE CONSTRUCTED ACCORDING TO MANUFACTURERS SPECIFICATIONS AND SHALL BE INCIDENTAL TO THE CONTRACT.
- 4 MINIMUM WINTH IS 12' FOR ONE-WAY TRAFFIC AND 20' FOR TWO WAY TRAFFIC TWO-WAY TRAFFIC WIDTHS SHALL BE INCREASED A MINIMUM OF 4' FOR TRAILER TRAFFIC. DEPENDING ON THE TYPE OF VEHICLE OR EQUIPMENT, SPEED, LOADS, CLIMATIC AND OTHER CONDITIONS UNDER WHICH VEHICLES AND EQUIPMENT OPERATE AN INCREASE IN THE MINIMUM WIDTHS MAY BE
- 5. ROADWAY SHALL FOLLOW THE CONTOUR OF THE NATURAL TERRAIN TO THE EXTENT POSSIBLE.
- 6. STABILIZED CONSTRUCTION ENTRANCE SHALL BE INCIDENTAL TO THE CONTRACT.

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

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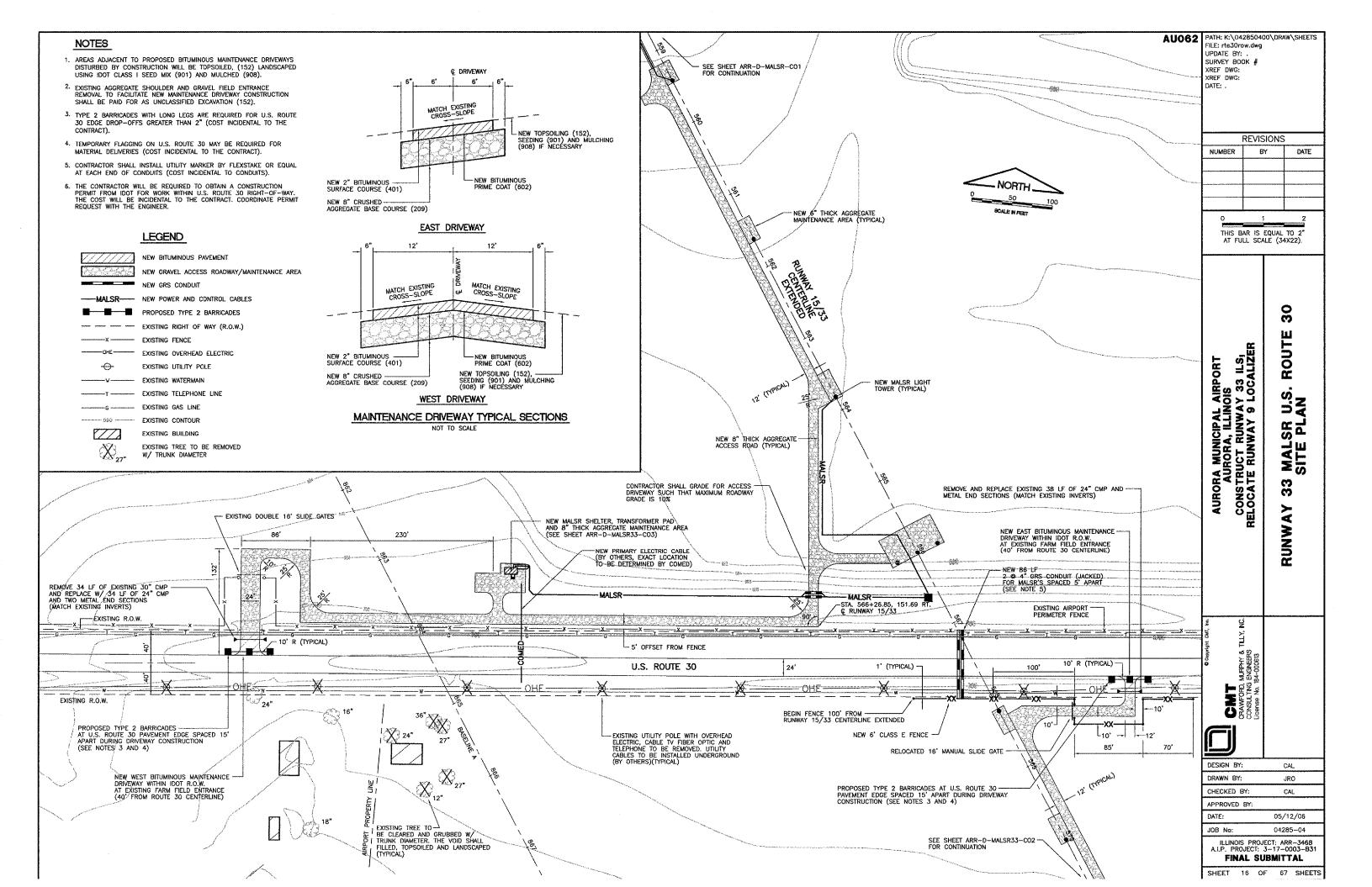
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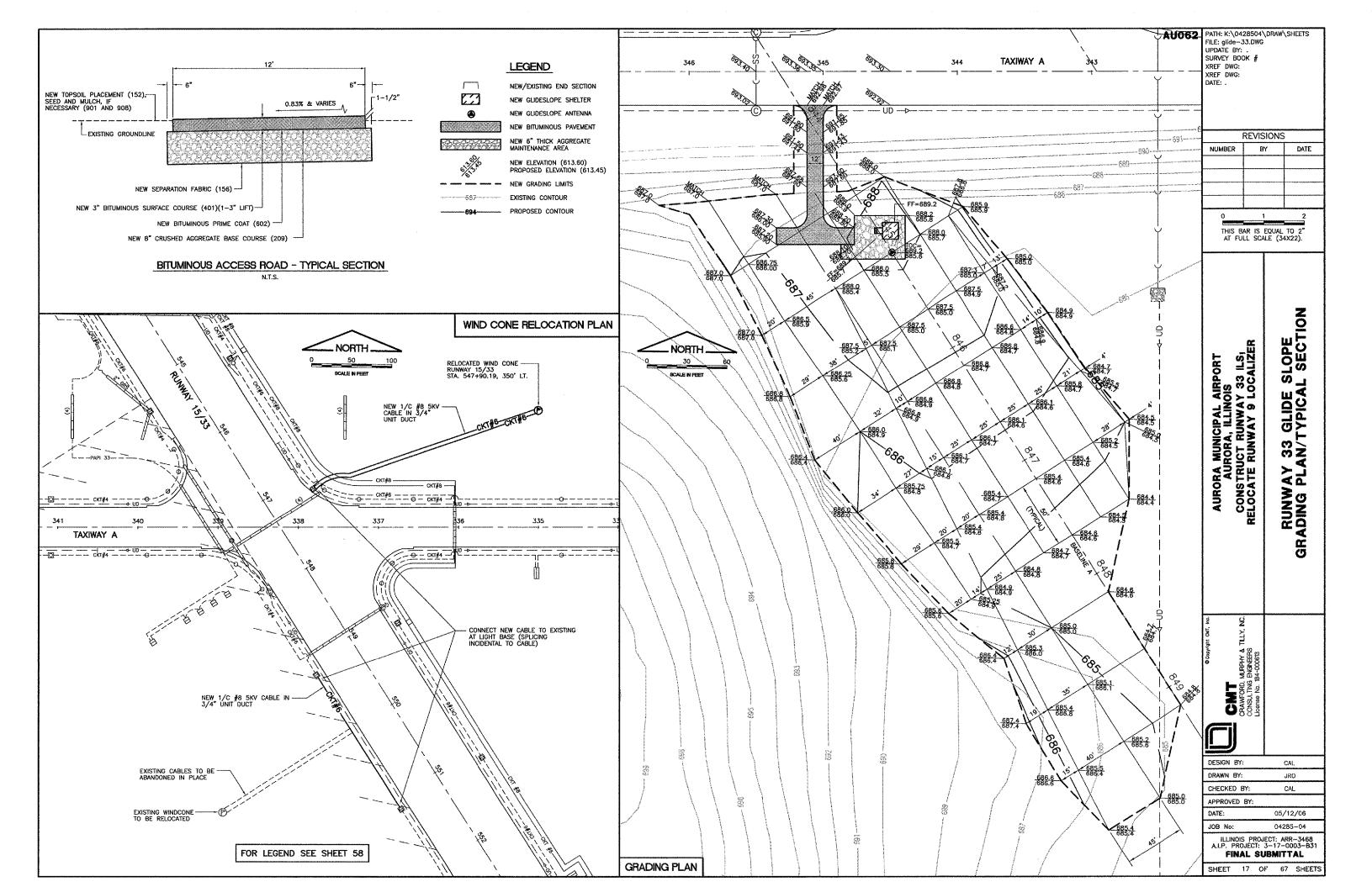
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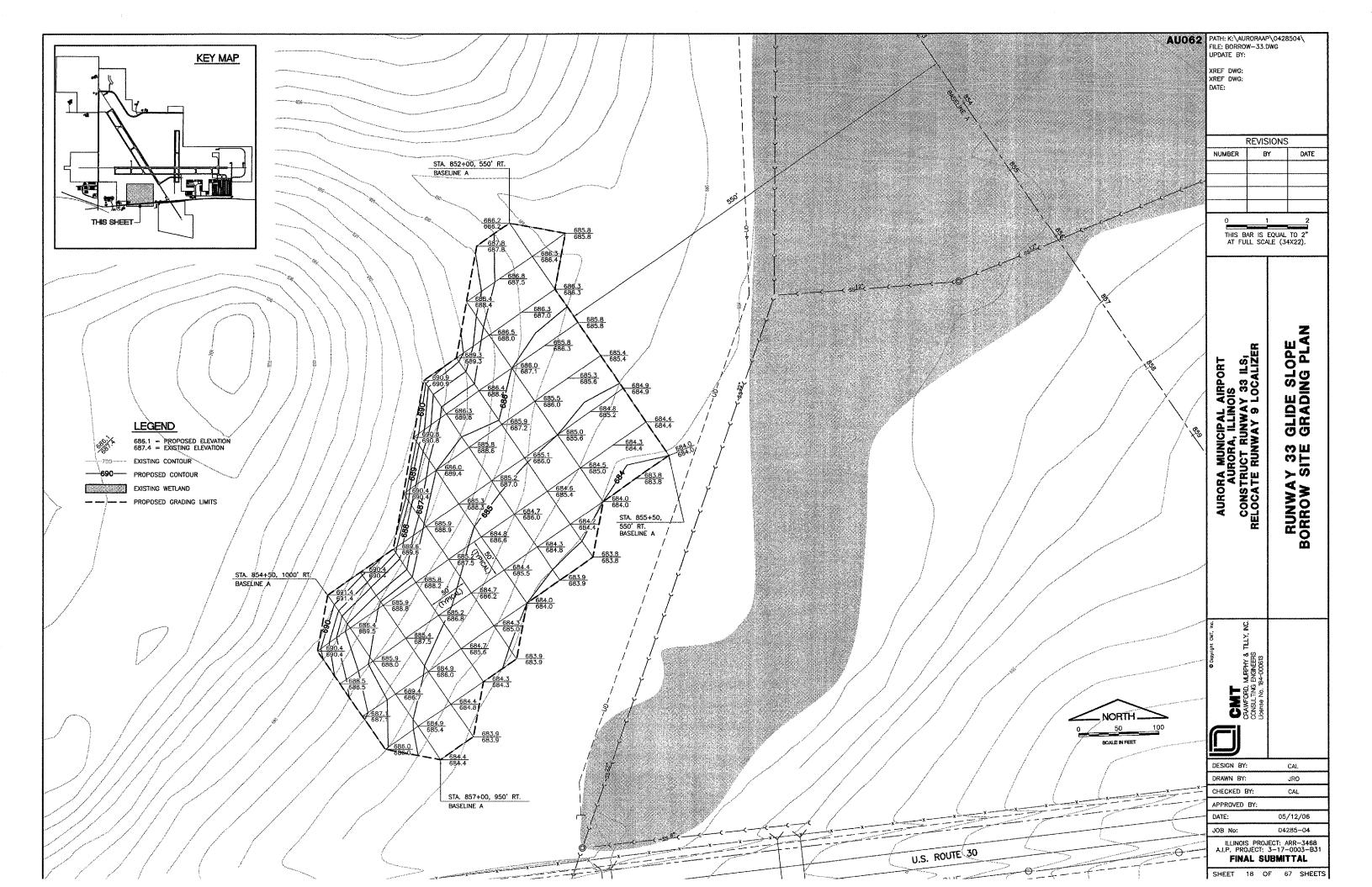
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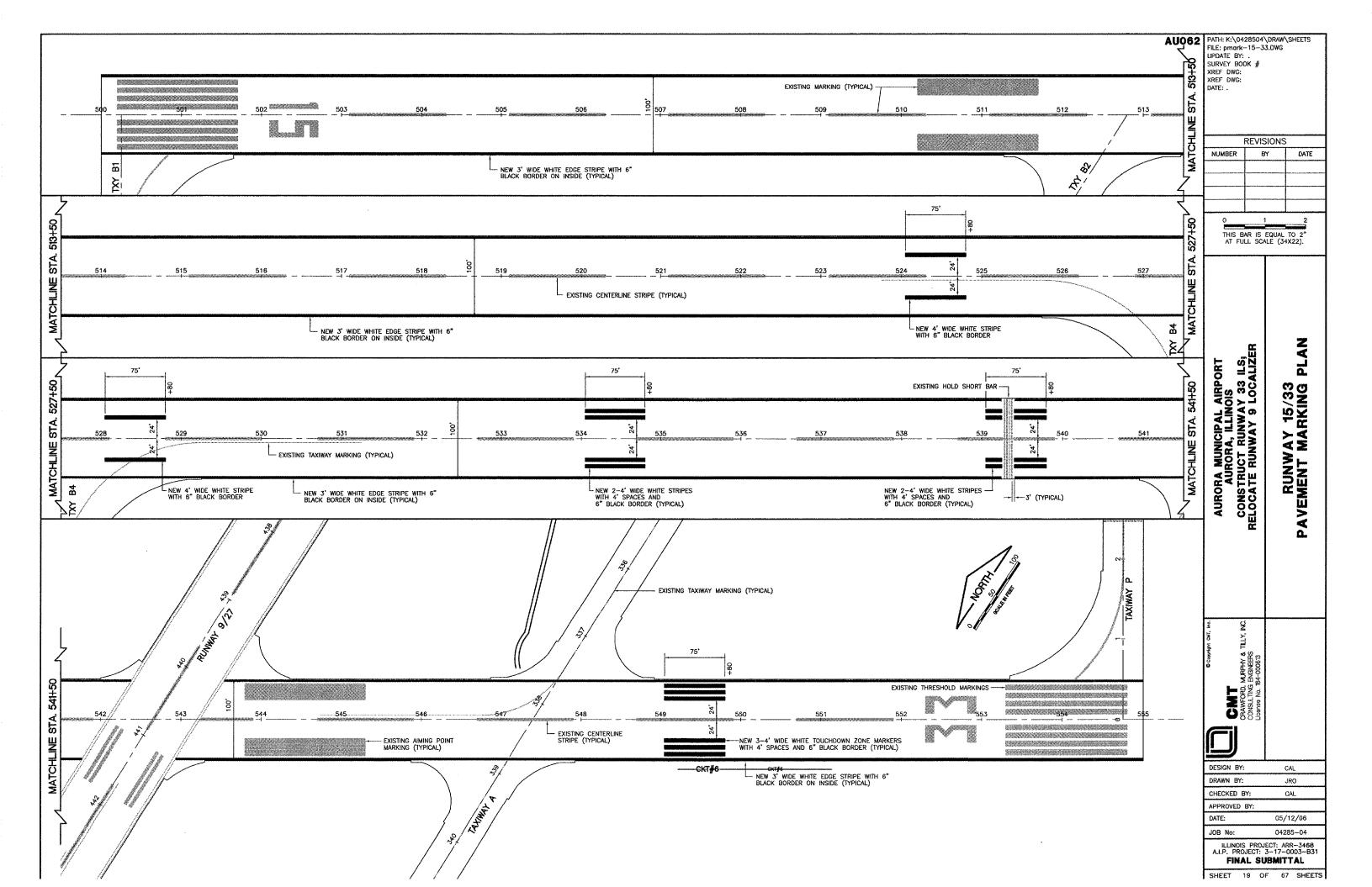
04285-04 ILLINOIS PROJECT: ARR-3468 A.I.P. PROJECT: 3-17-0003-B31 FINAL SUBMITTAL

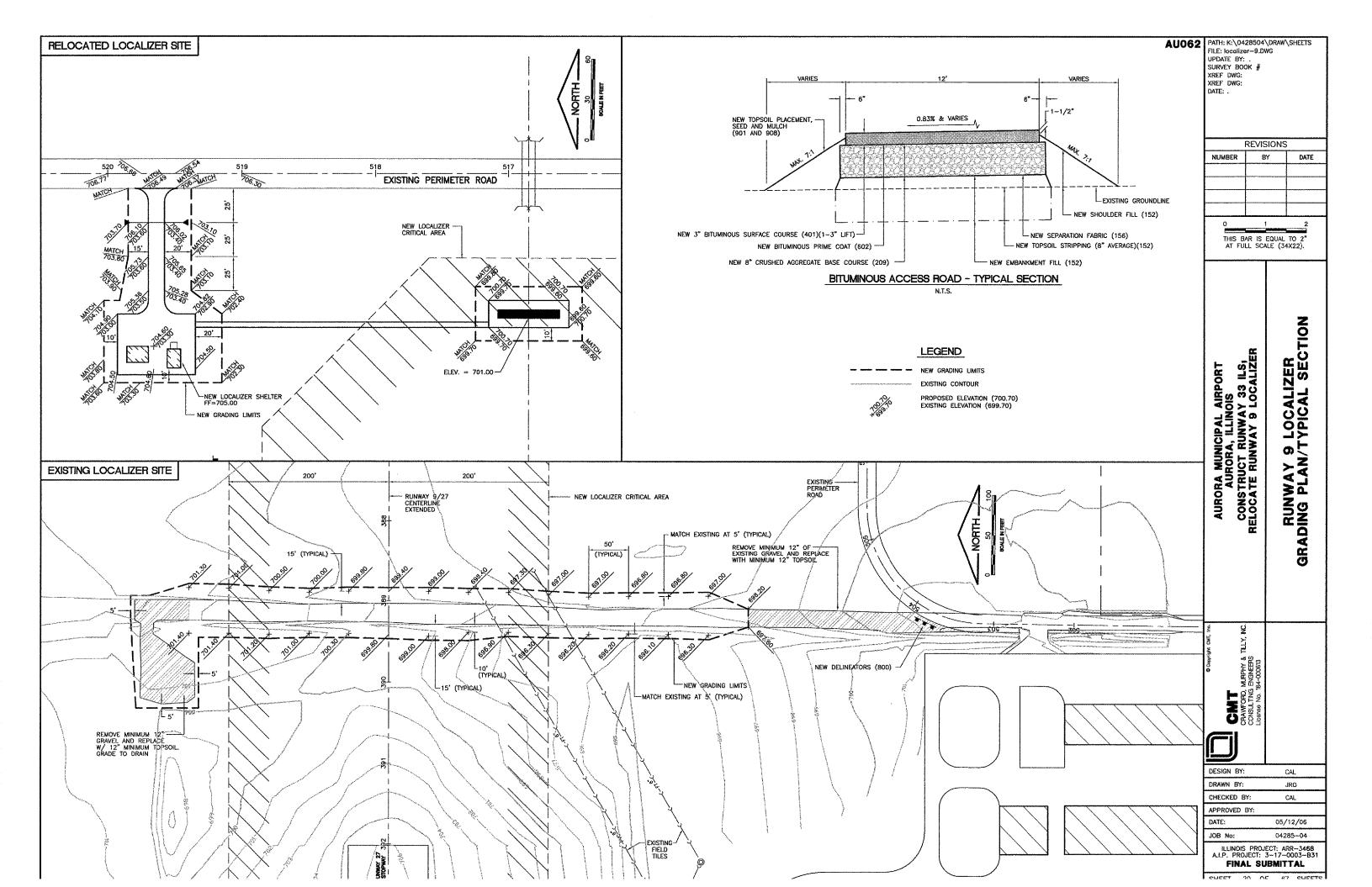
SHEET 15 OF 67 SHEETS

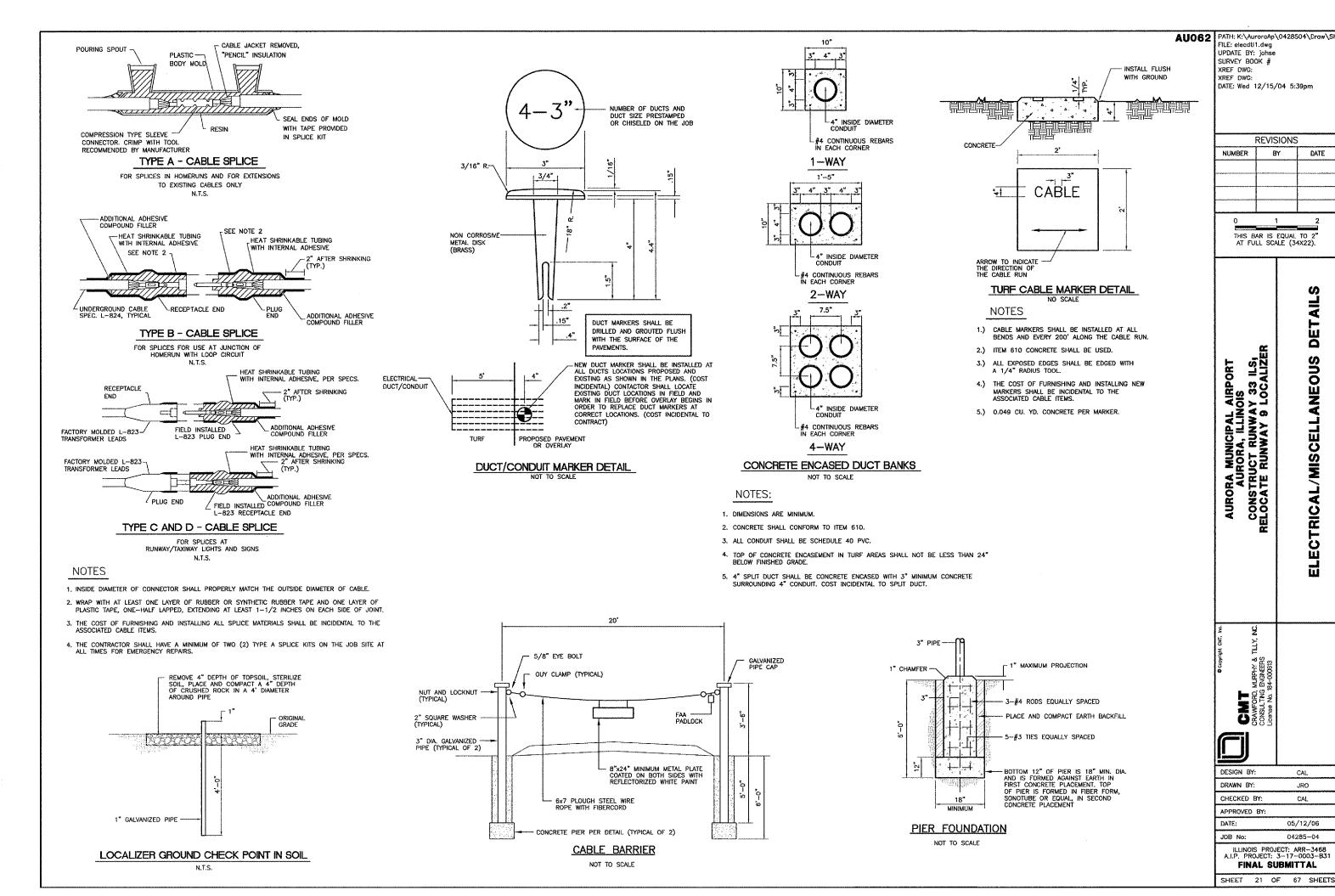












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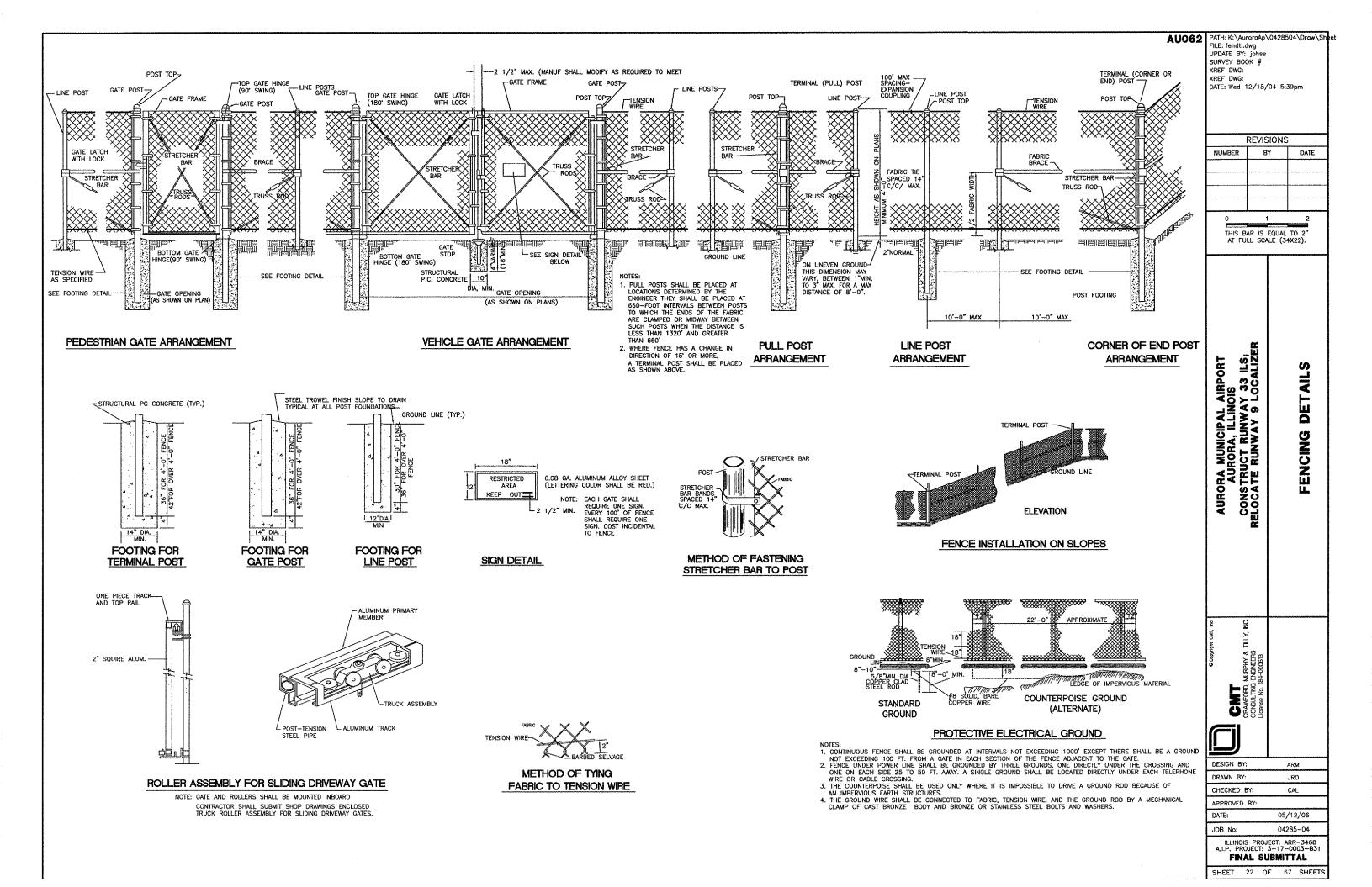
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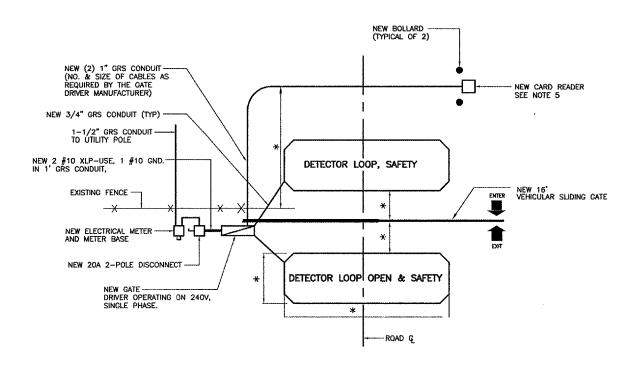
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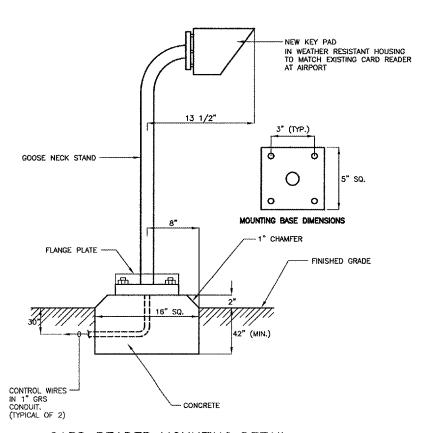




### NEW KEY PAD OPERATED GATE AND DETECTOR LOOP LAYOUT

NOT TO SCALE

PER MANUFACTURERS RECOMENDATION CONTRACTOR SHALL COORDINATE THIS WORK WITH ENGINEEER.



### CARD READER MOUNTING DETAIL

NOT TO SCALE

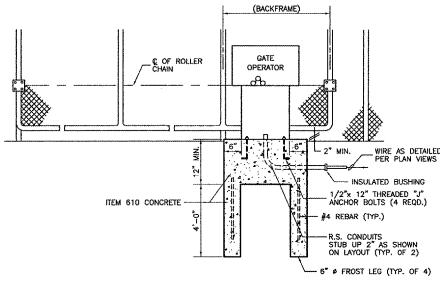
### NOTES:

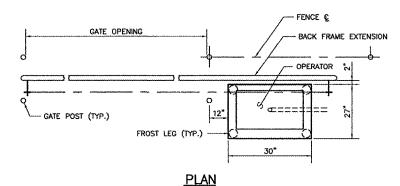
- THE LOCATION OF THE PROPOSED KEY PAD OPERATED GATE DRIVER, DISCONNECT, CARD READER, AND DETECTOR LOOPS ARE FOR INFORMATION ONLY AND SHALL BE FIELD ADJUSTED PER THE MANUFACTURER RECOMMENDATION.
- THE MINIMUM BURIAL DEPTH FOR GRS CONDUIT IS 24" BELOW FINISHED GRADE.
- NO DIRECT BURIED CABLE WILL BE ALLOWED IN THE INSTALLATION OF THE NEW KEY PAD OPERATED GATE DRIVER.
- NEW KEY PAD SHALL BE MODEL # 55-LCK1000 BY LINK CONTROLS OR EQUAL.
- 5. CONTRACTOR SHALL PROVIDE AND INSTALL ELECTRIC GATE COMPONENTS AS A COMPLETE WORKING UNIT. THE GATE WORK SHALL INCLIDE, BUT NOT BE LIMITED TO THE GATE OPERATOR AND FOUNDATION, AND POWER CABLES CONDUIT, KEY PAD, TRENCHING, CIRCUIT BREAKERS, AND ALL CONNECTIONS, LABOR AND MATERIALS NECESSARY TO COMPLETE OPERATION. BOLLARDS SHALL BE PAID FOR SEPARATELY.
- 6. LOCATION OF THE GATE OPERATOR SHALL BE AS RECOMMENDED BY THE MANUFACTURER.

	GATE TYPE	GATE
A	DISTANCE BETWEEN GATE POSTS (INSIDE FACE)	16'~0"
В	DISTANCE BETWEEN HANGER POSTS (CENTER TO CENTER)	10'-0"*
С	OVERALL GATE LENGTH	26'-6"*
D	OVERALL GATE HEIGHT	8'0"
E	HEIGHT OF FABRIC IN GATE	8'-0"
F	COUNTER BALANCE LENGTH	10~6"
G	HEIGHT OF 4" POSTS ABOVE GRADE	8'-6"

\* OR AS RECOMMENDED BY MFG.

LOCATIONS, DETAILS AND CHARACTER OF EQUIPMENT SHOWN ON THIS SHEET ARE GENERIC. EQUIPMENT LOCATIONS SHALL BE AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER.

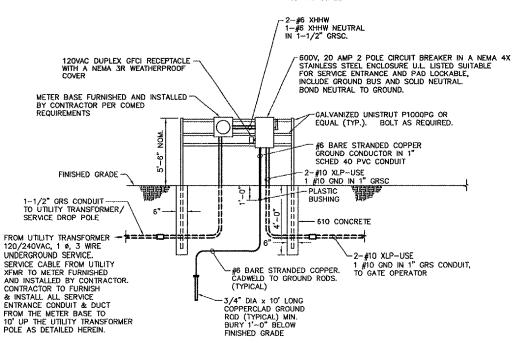




**SECTION** 

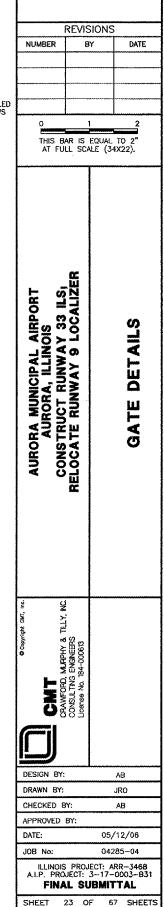
### GATE OPERATOR DETAIL

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### SERVICE ENTRANCE AND DISCONNECT

NOT TO SCALE



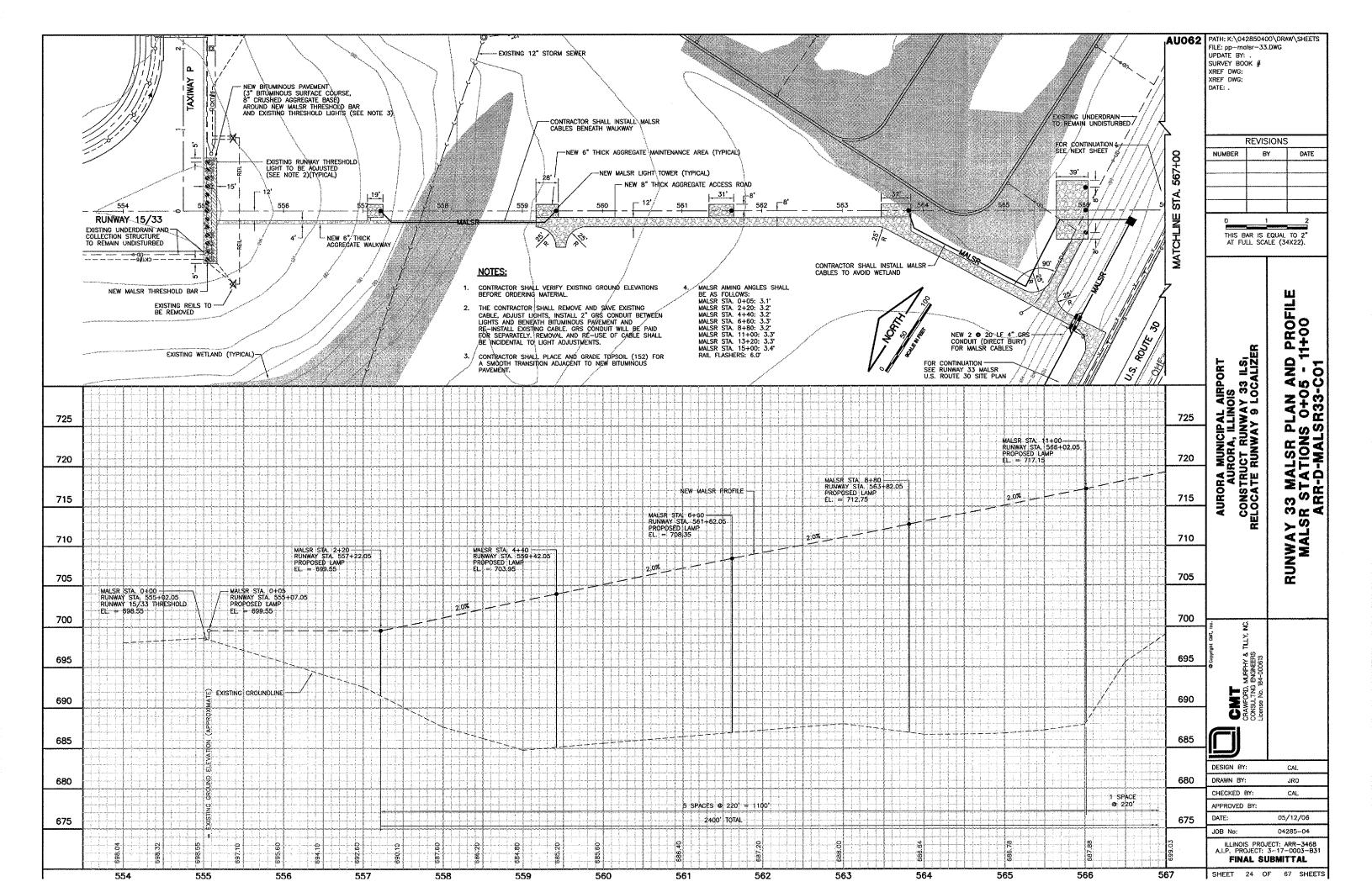
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LAYOUT: Layout1

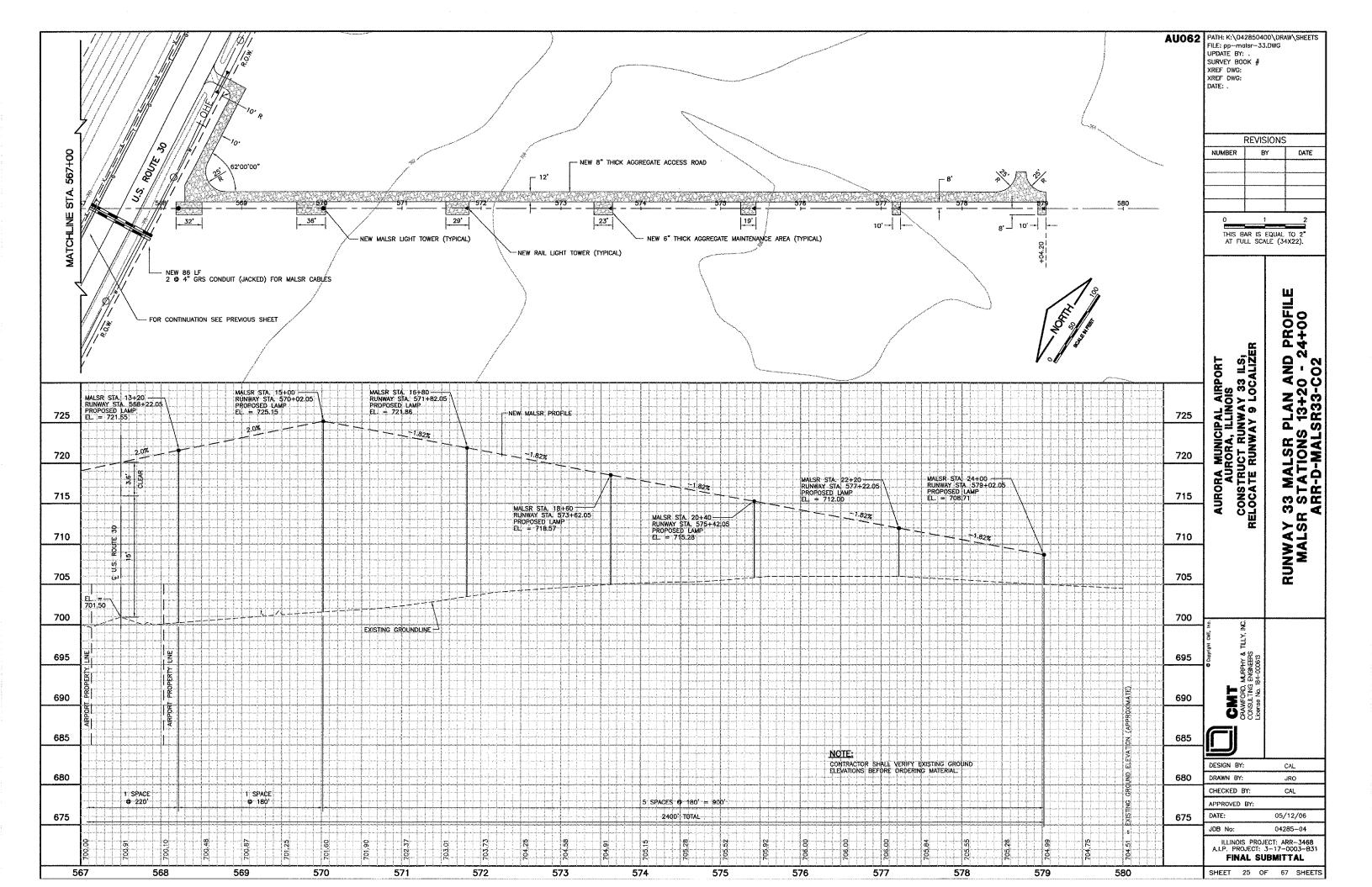
UPDATE BY: ichse

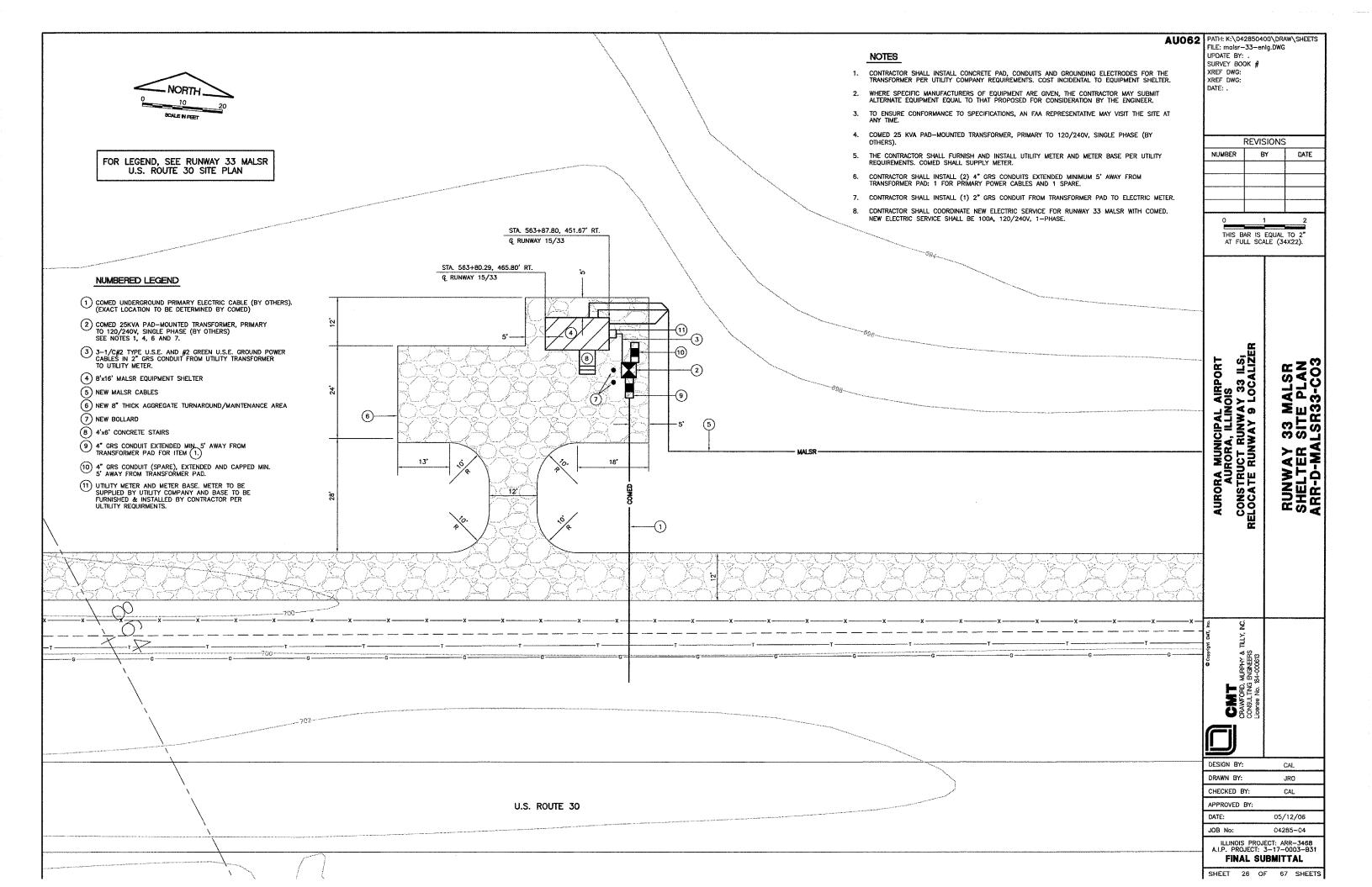
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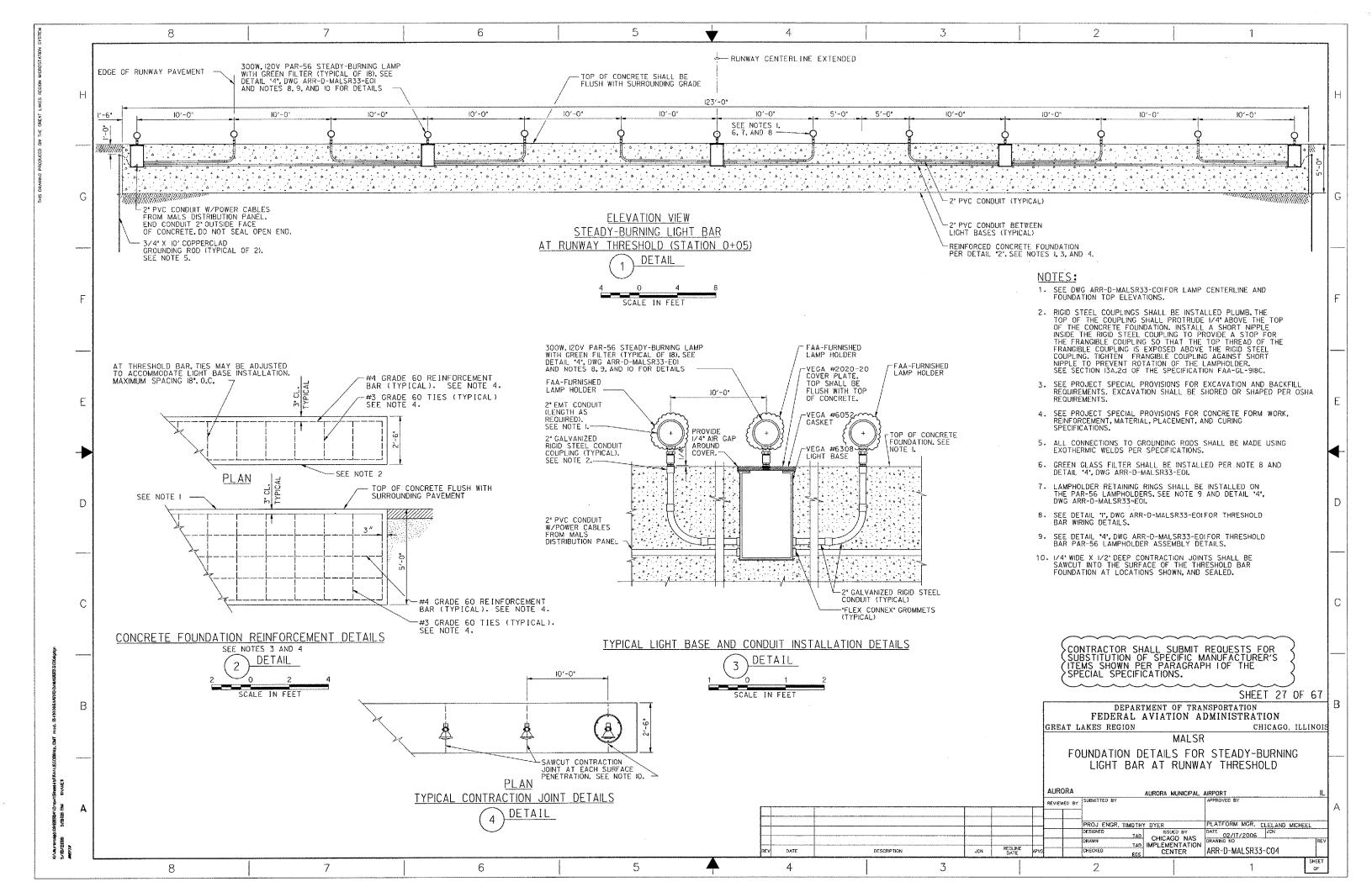
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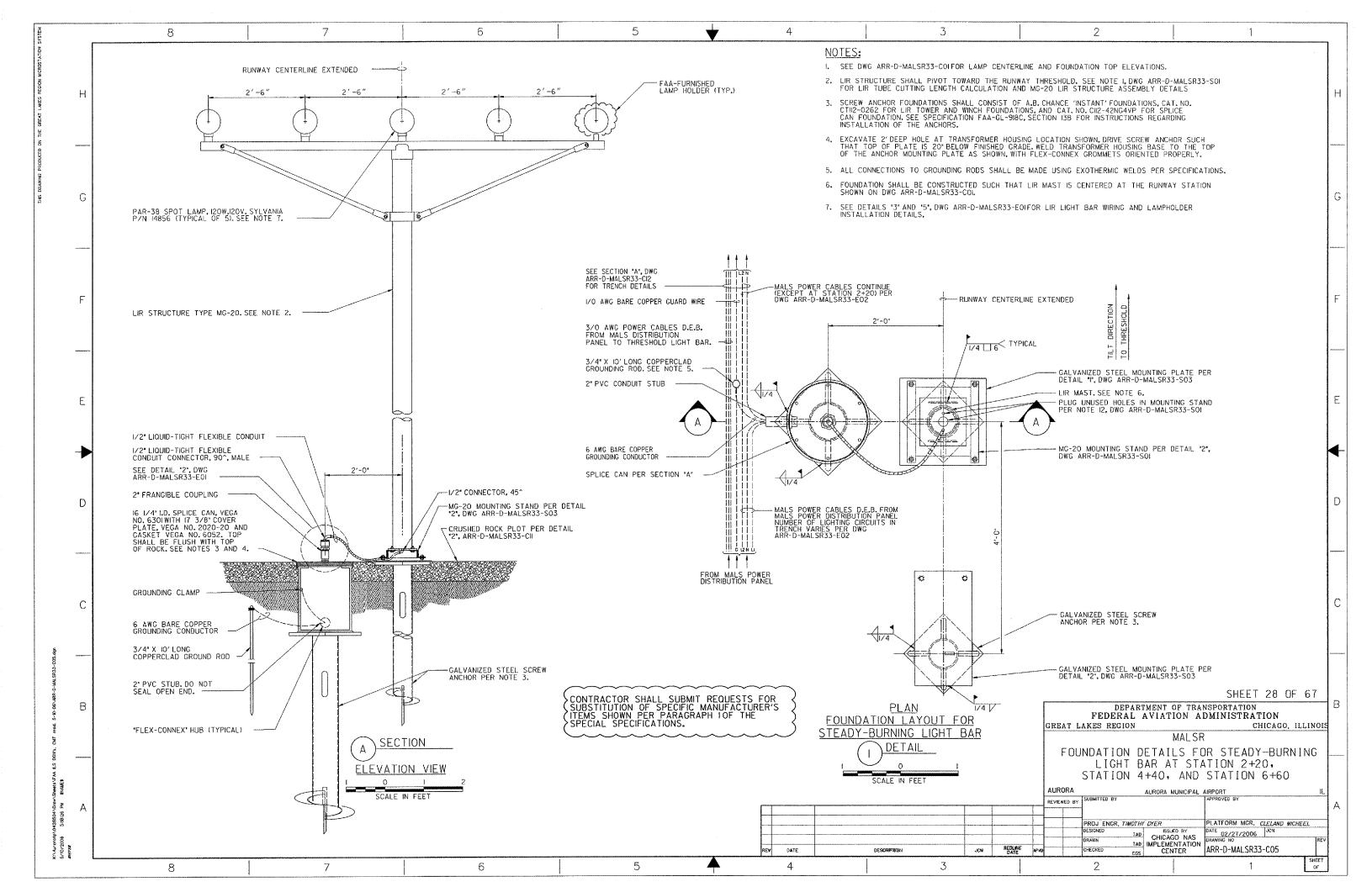
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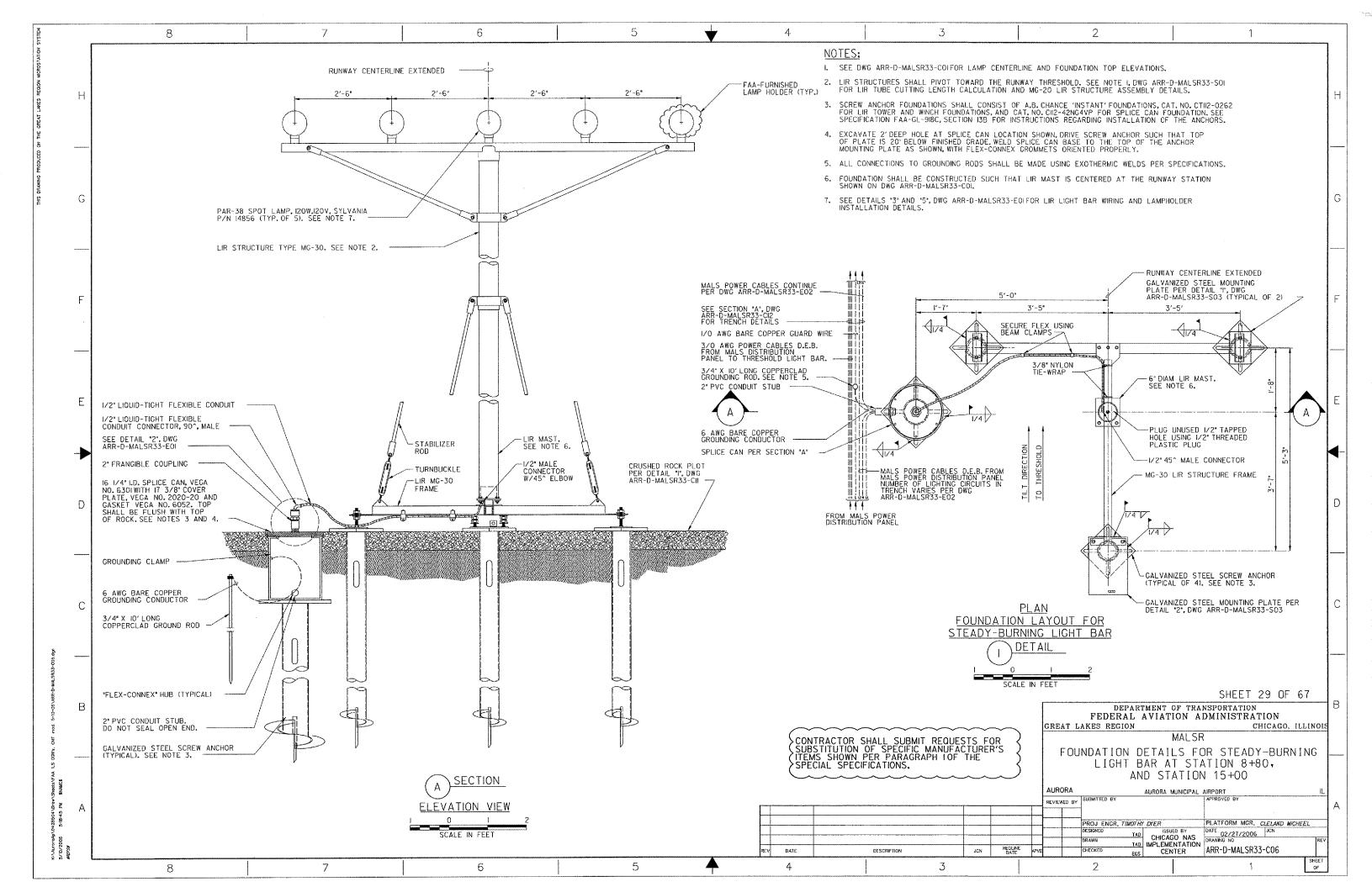


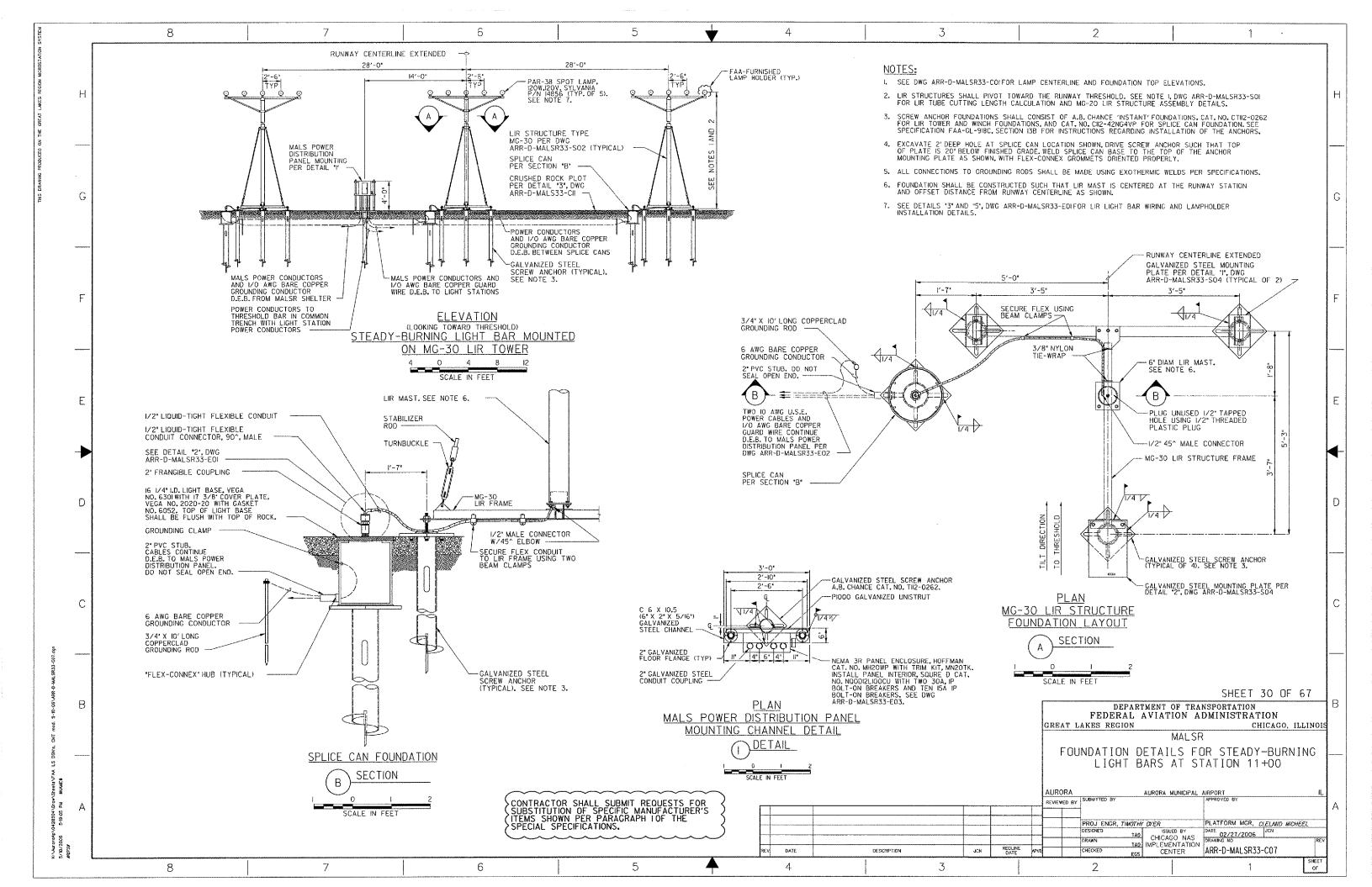


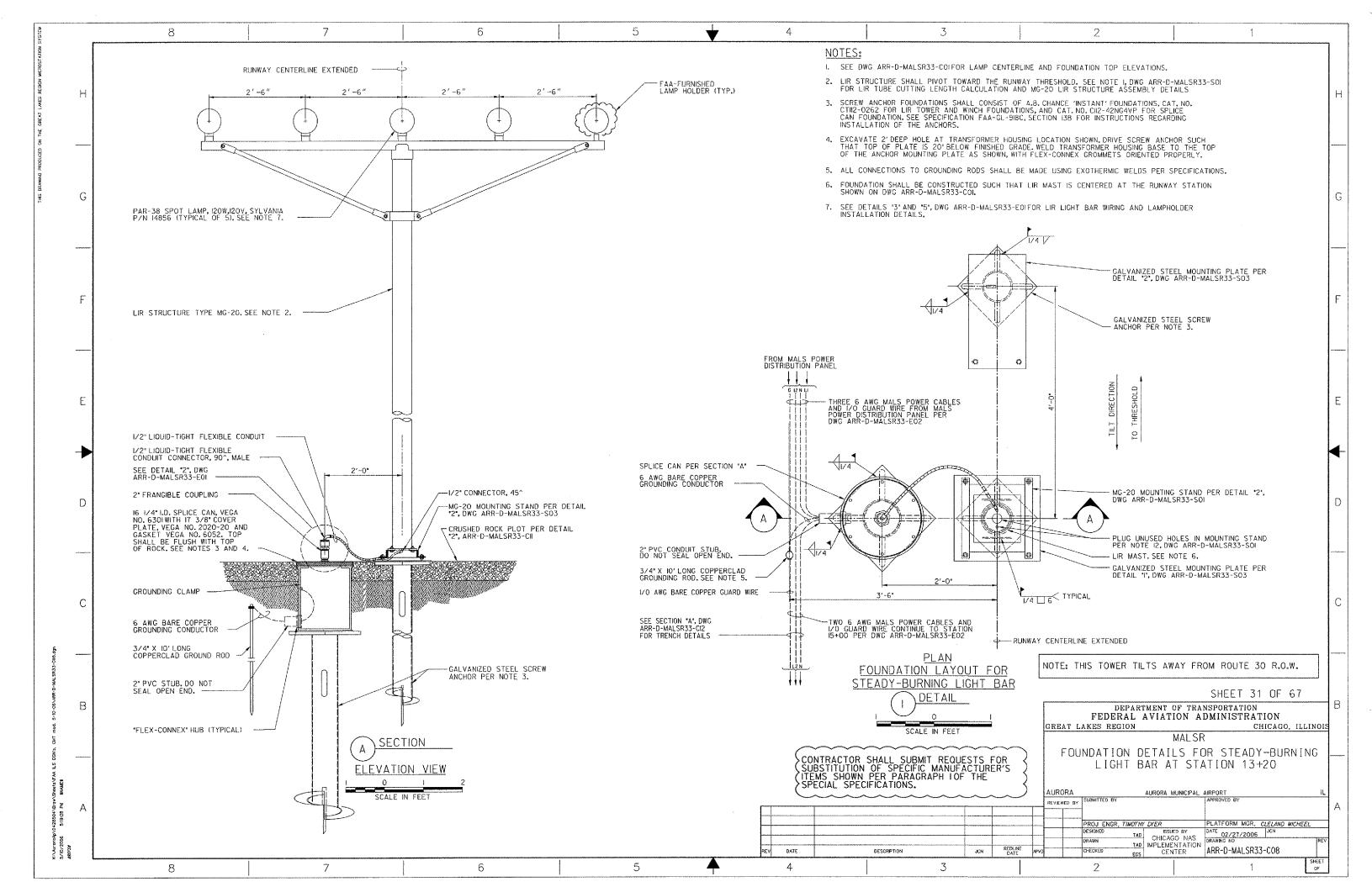


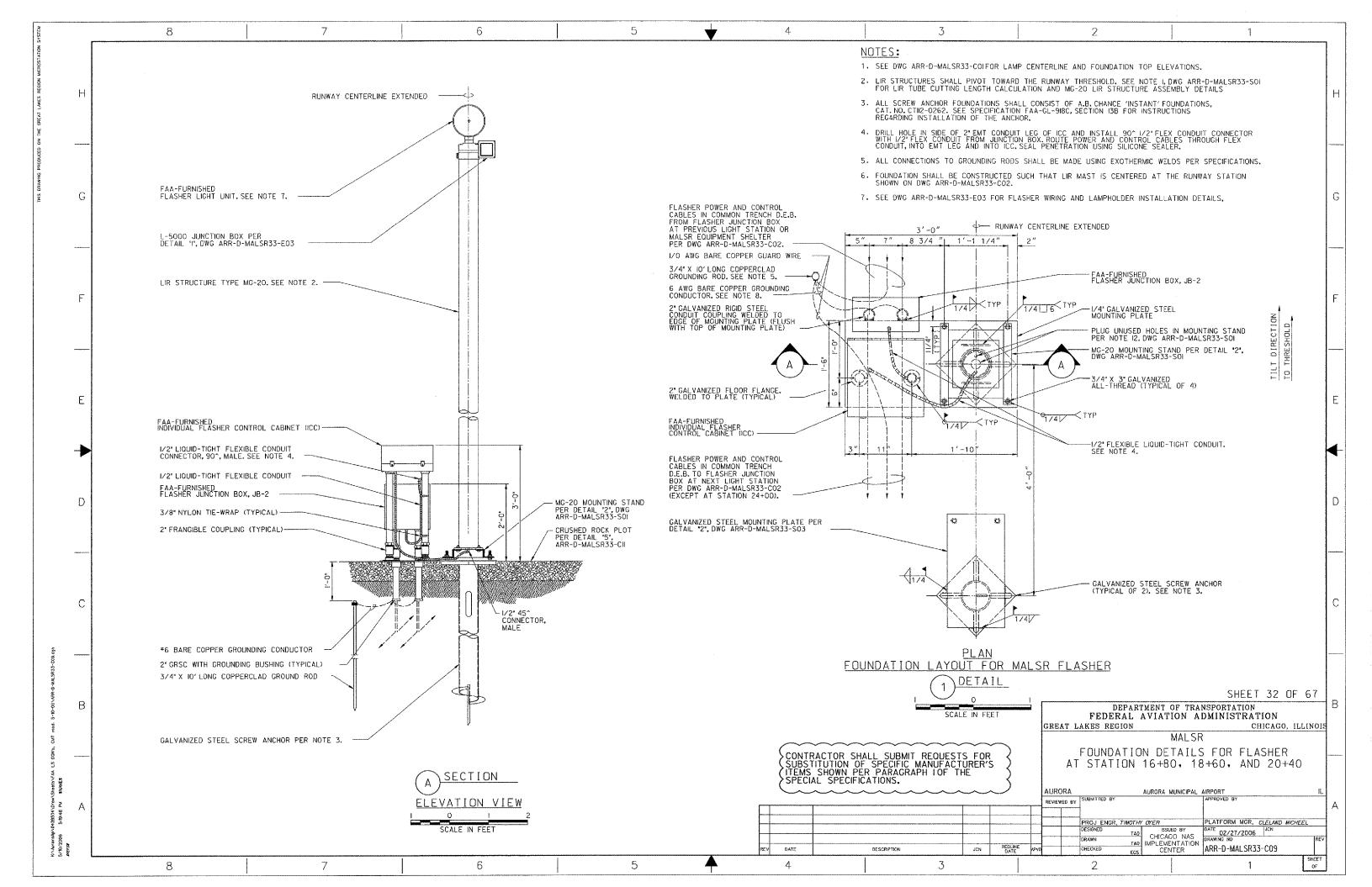


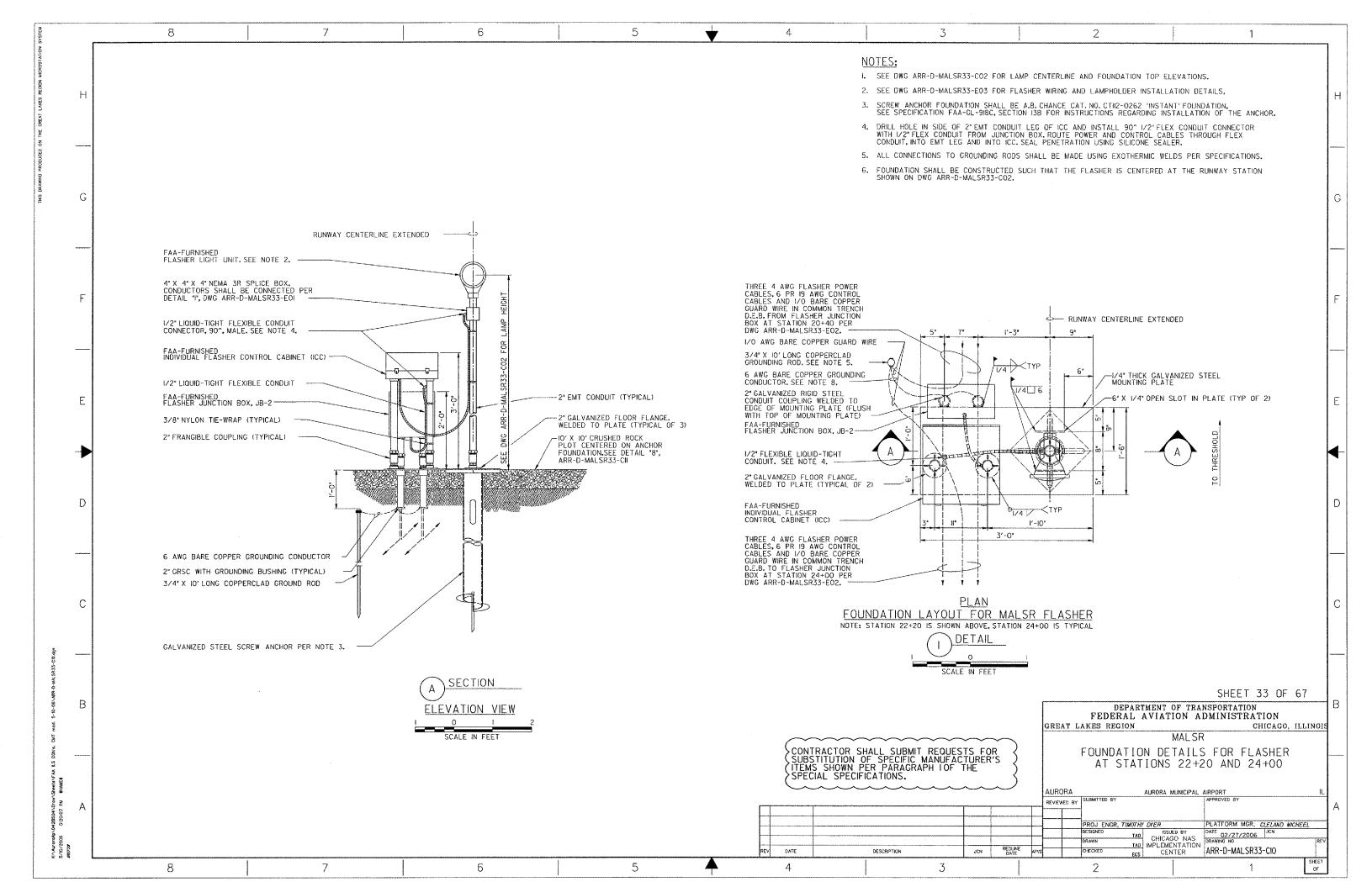


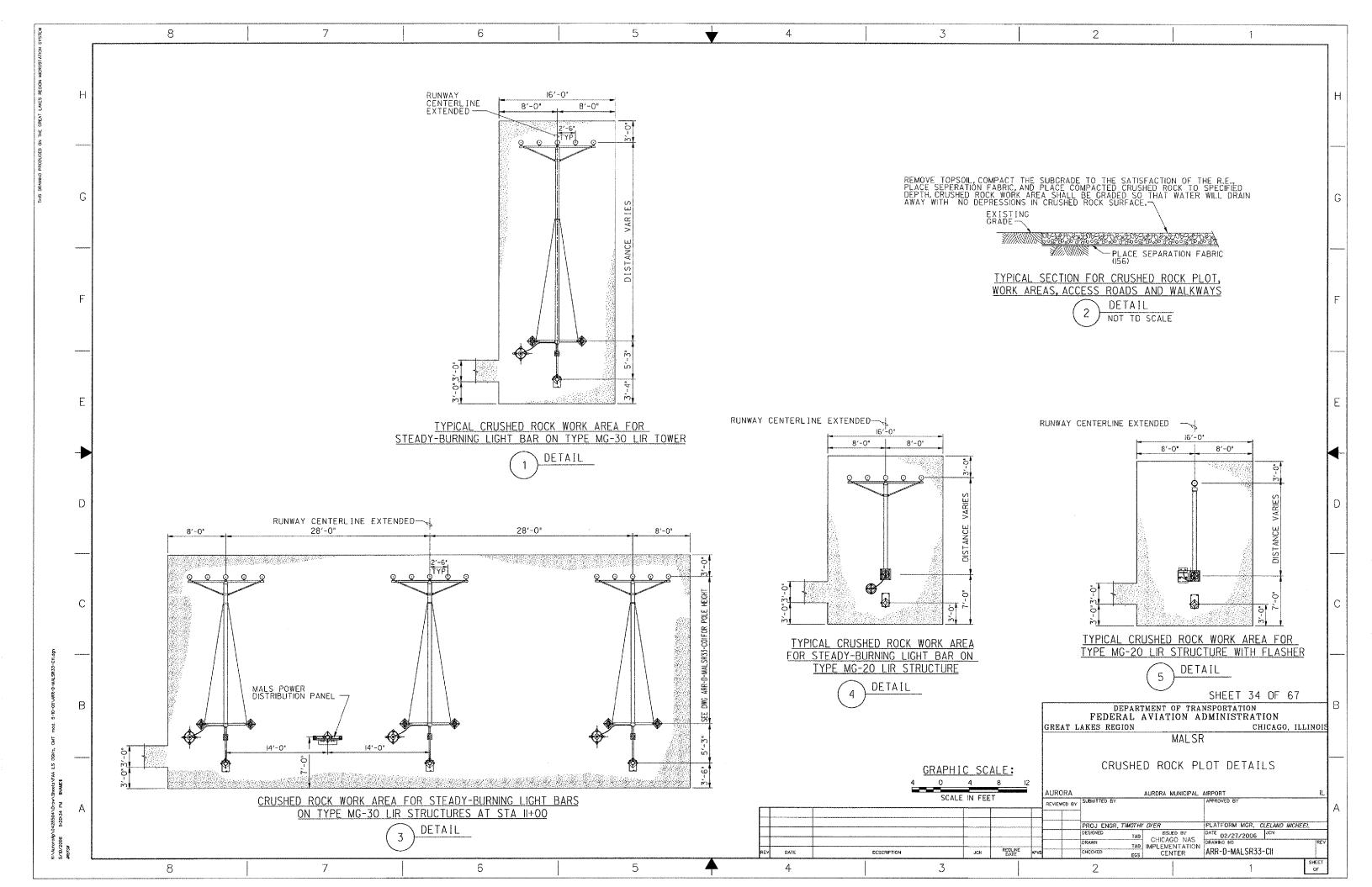


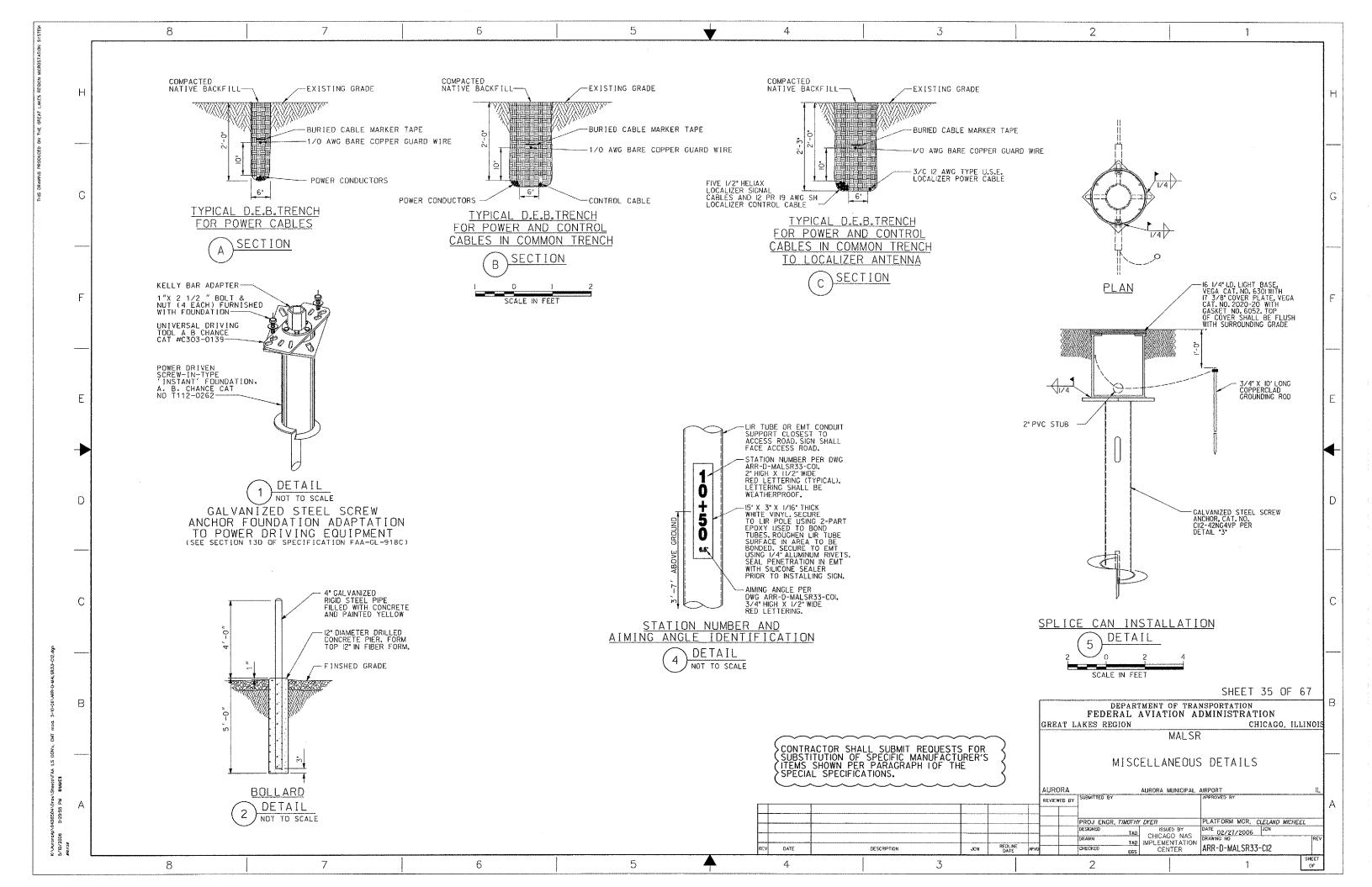


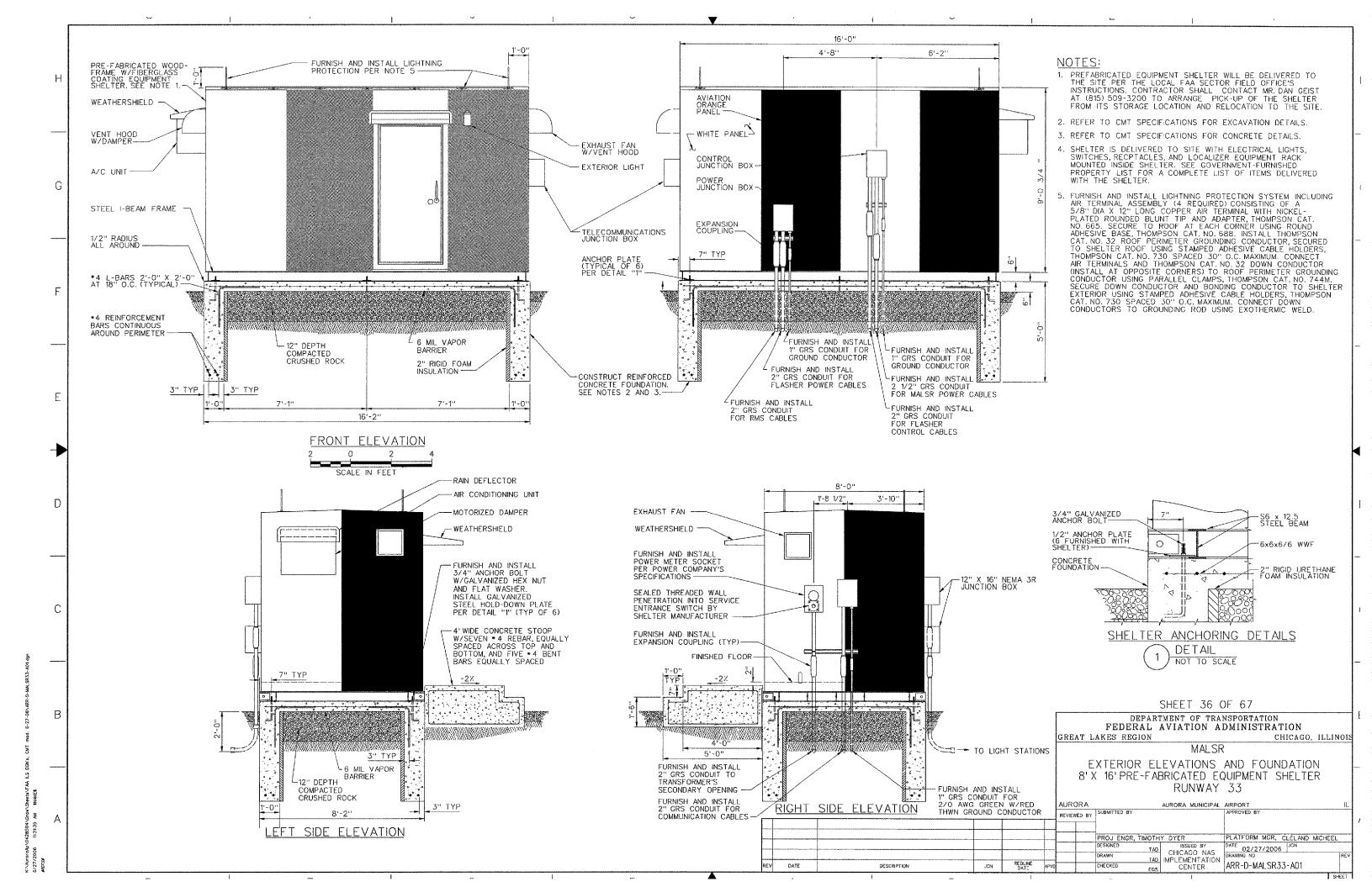


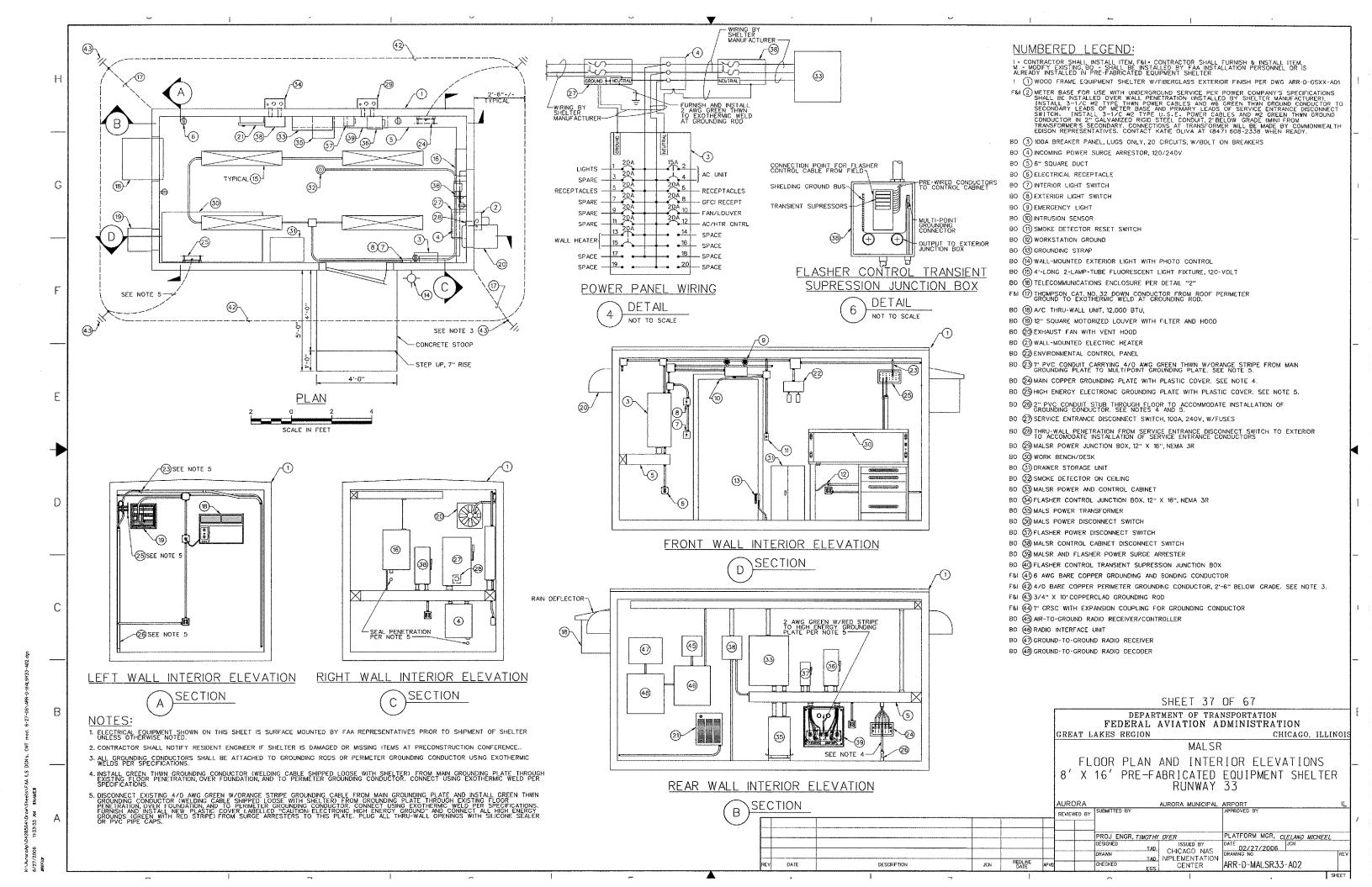


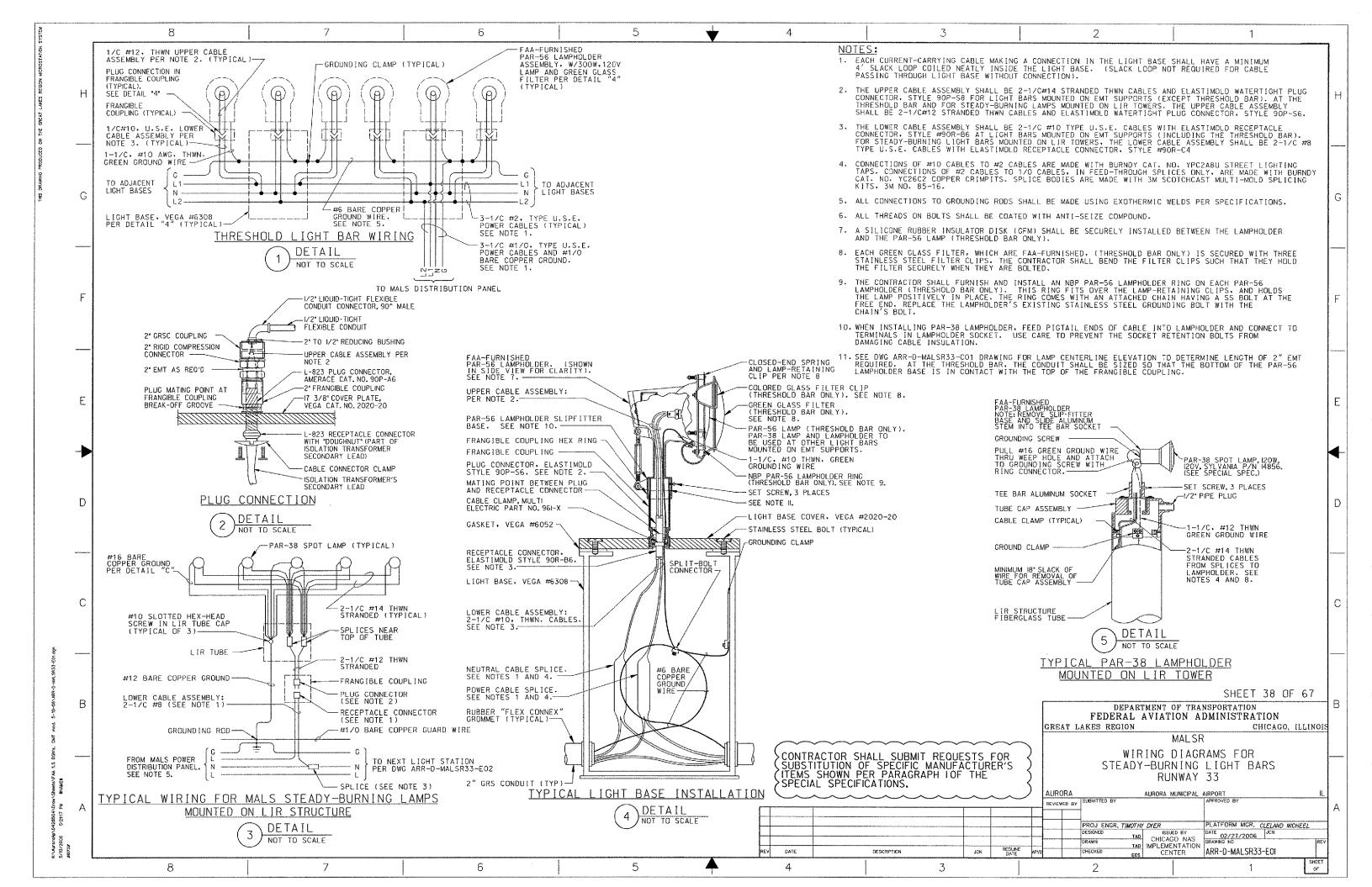


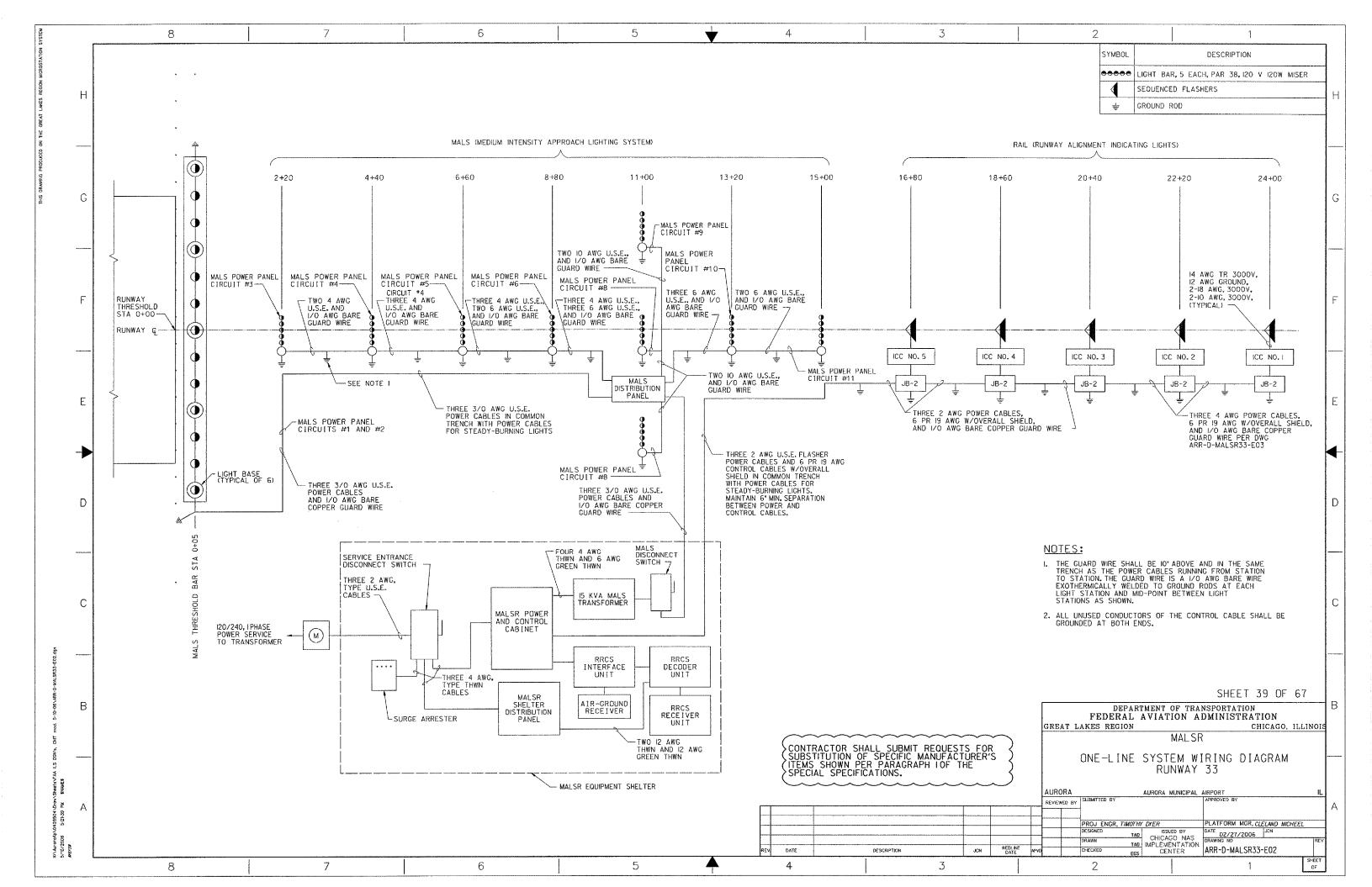


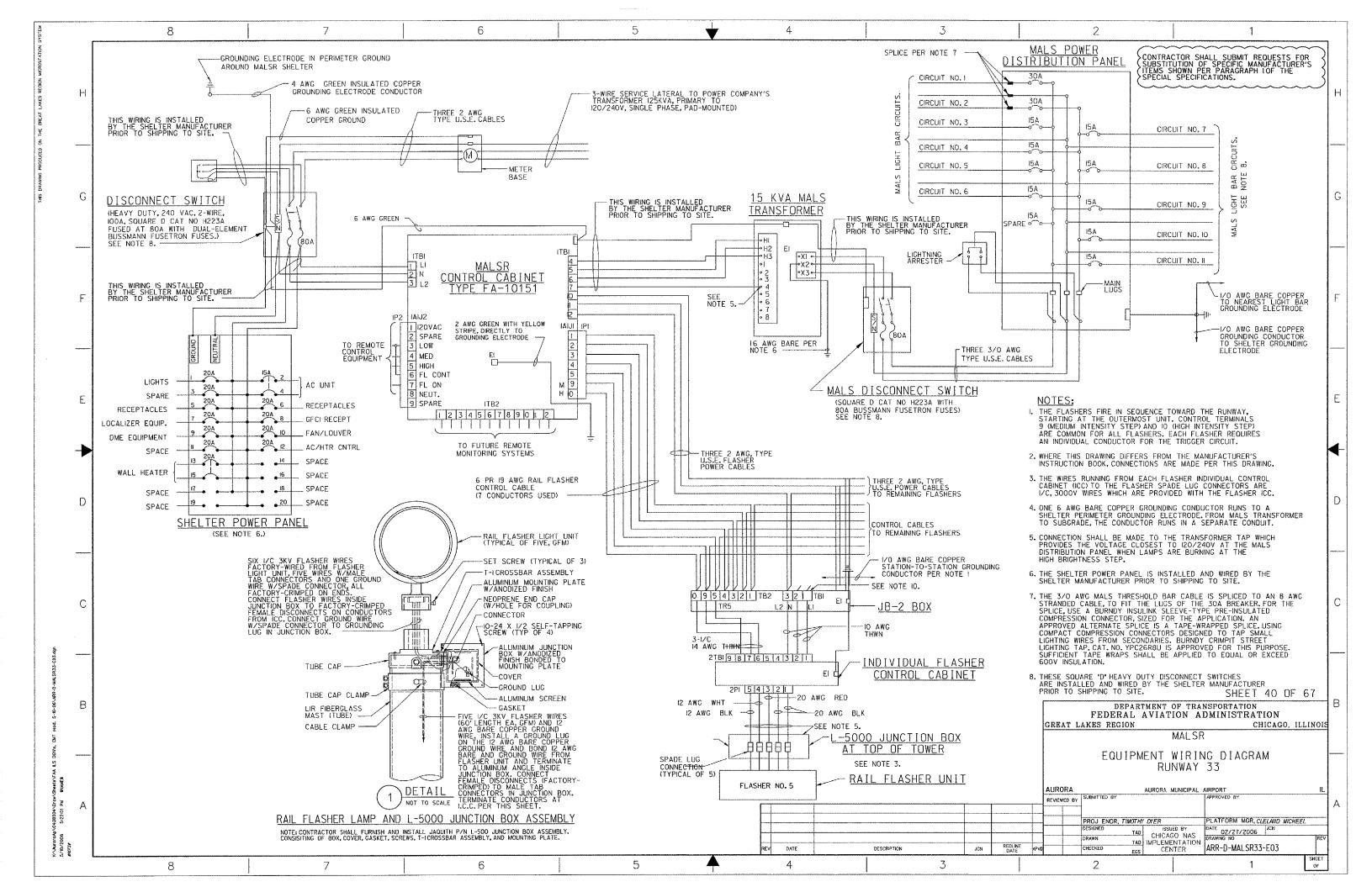


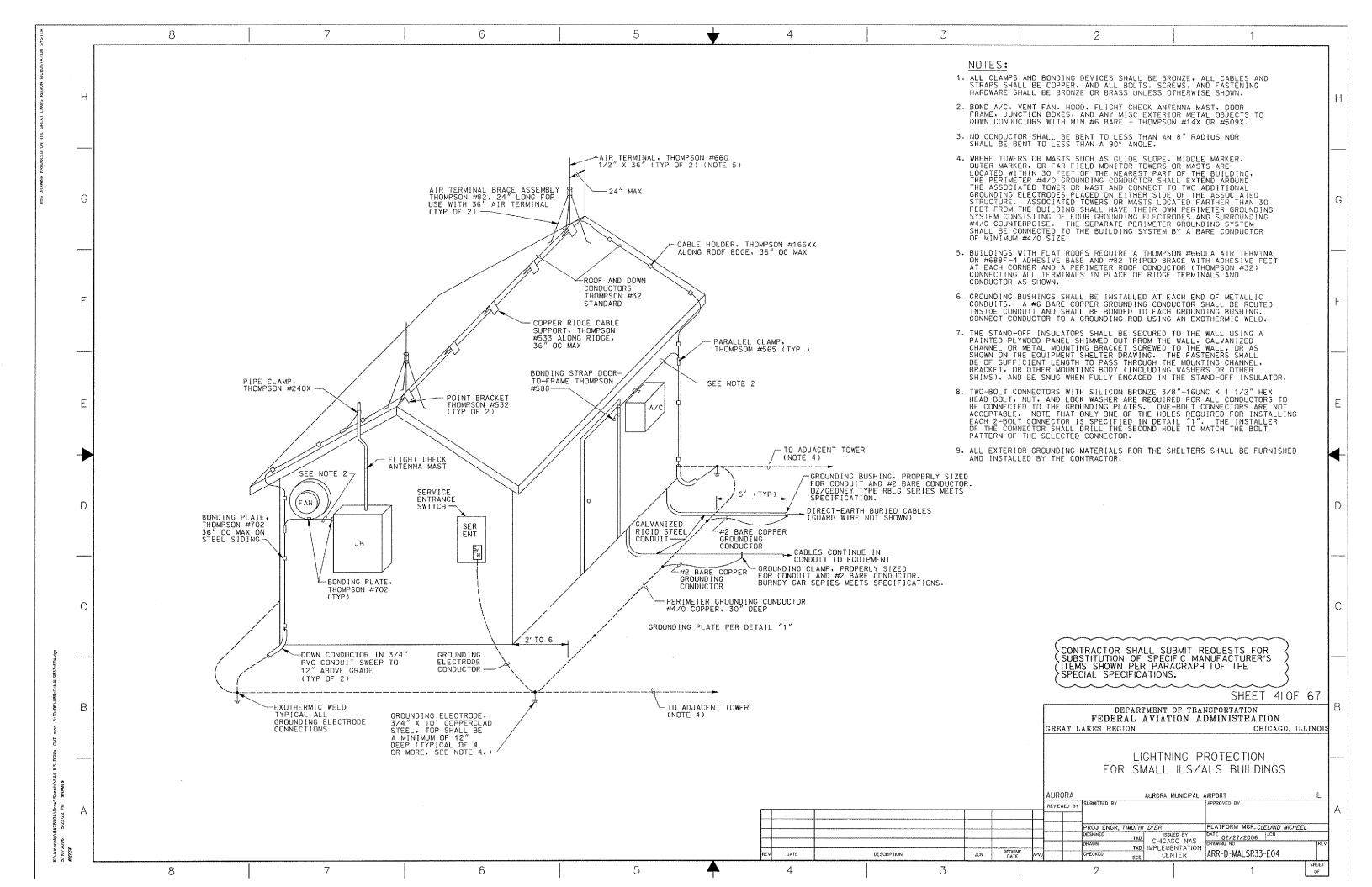


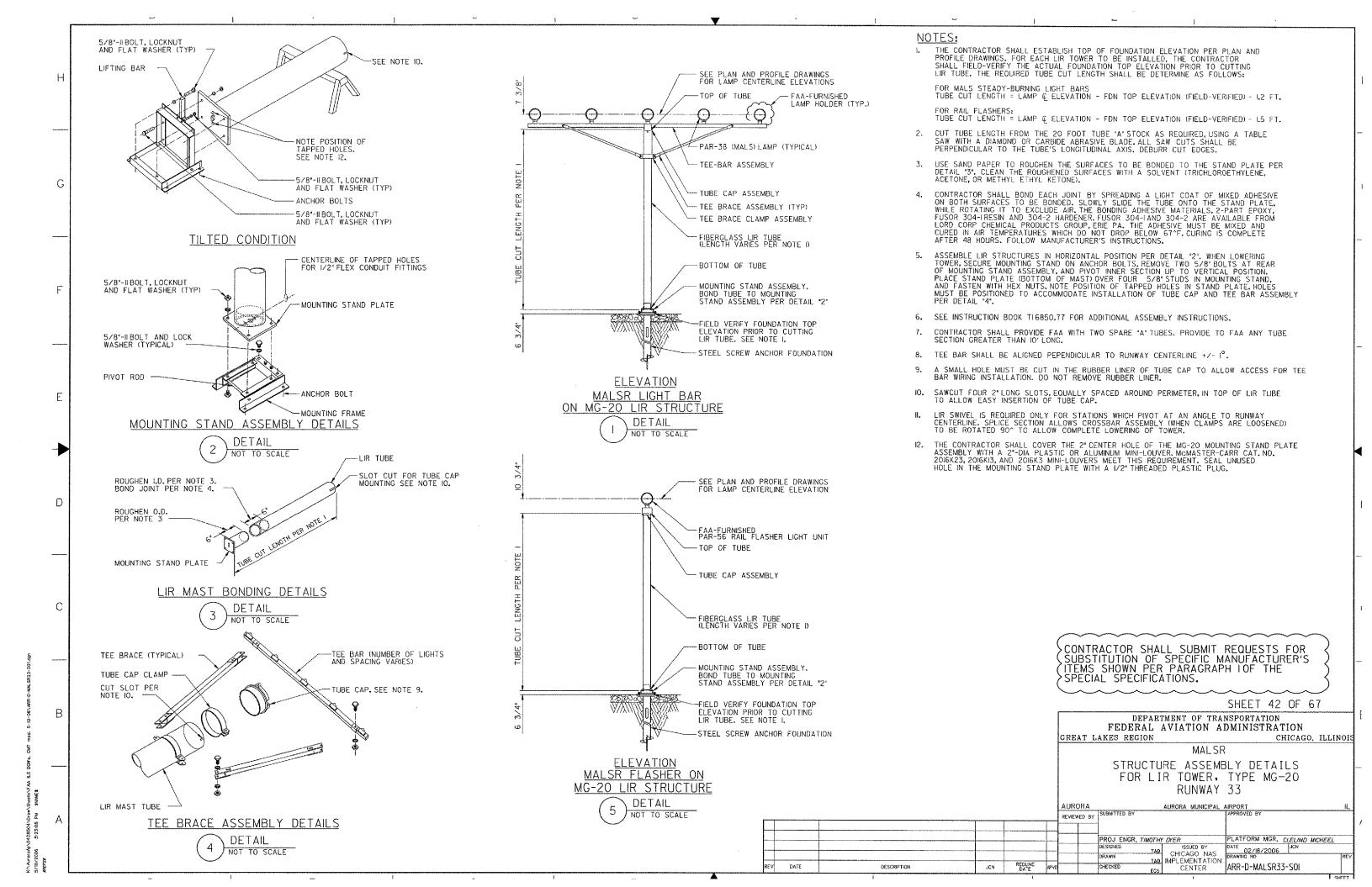


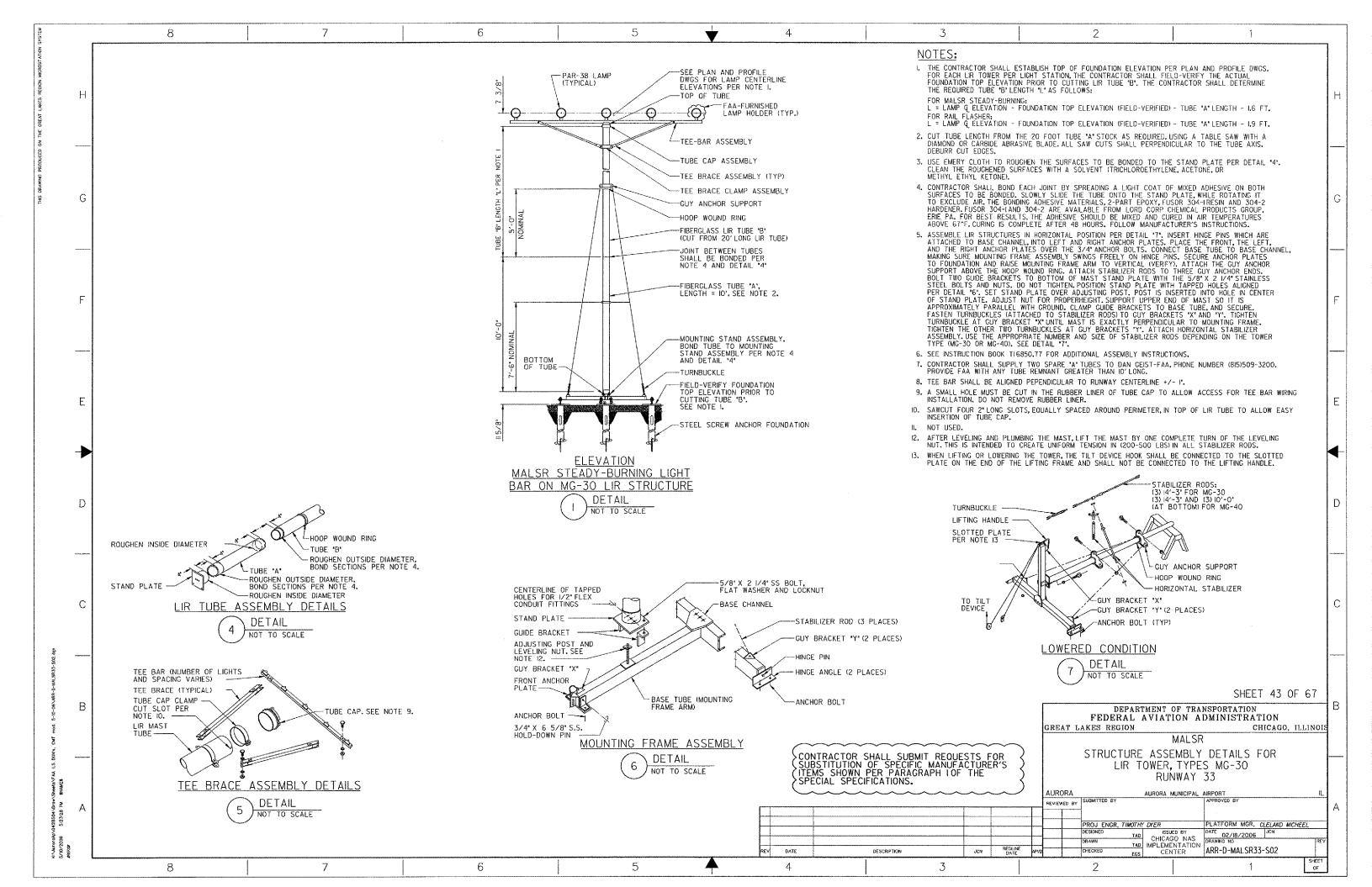


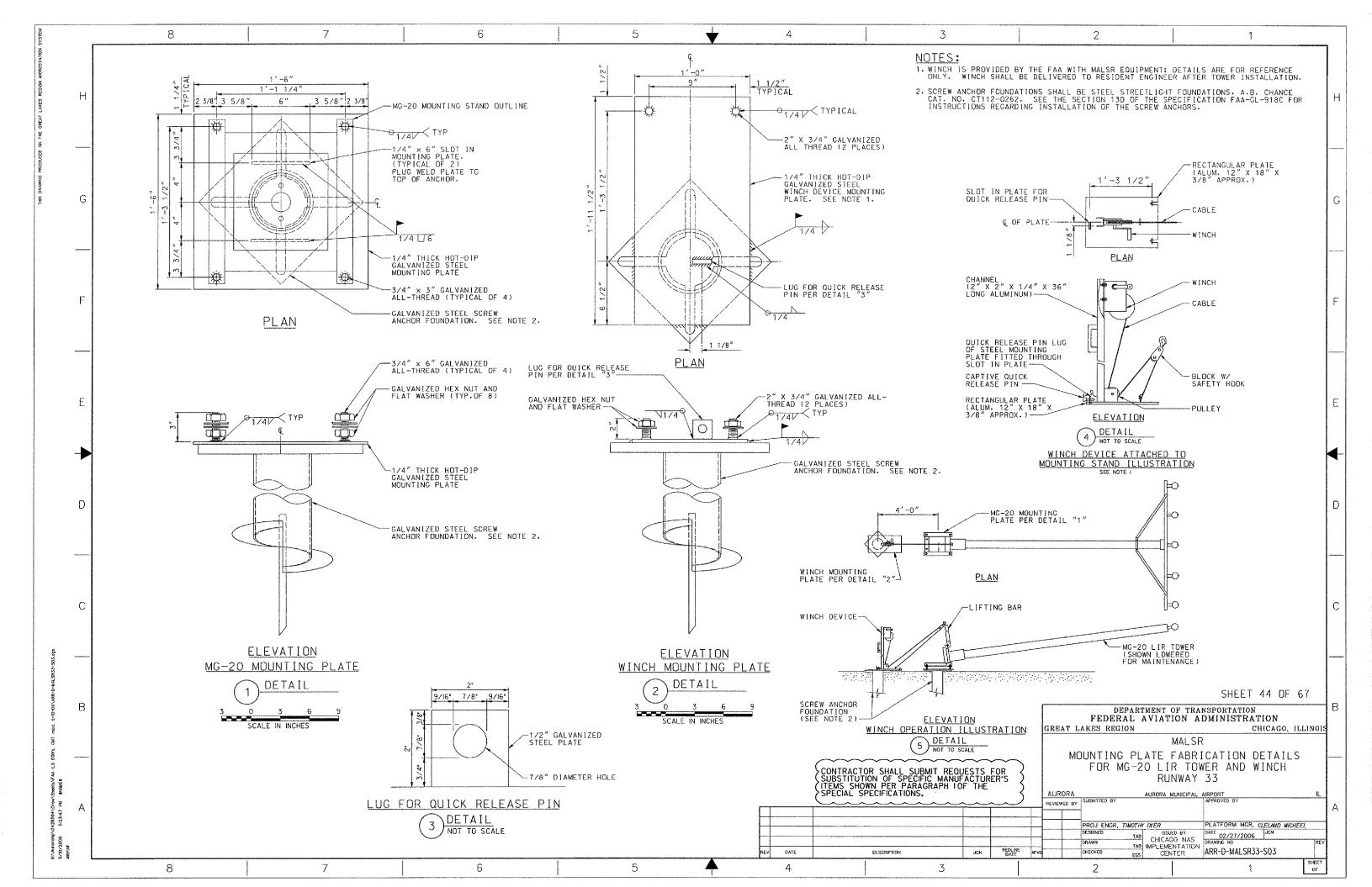


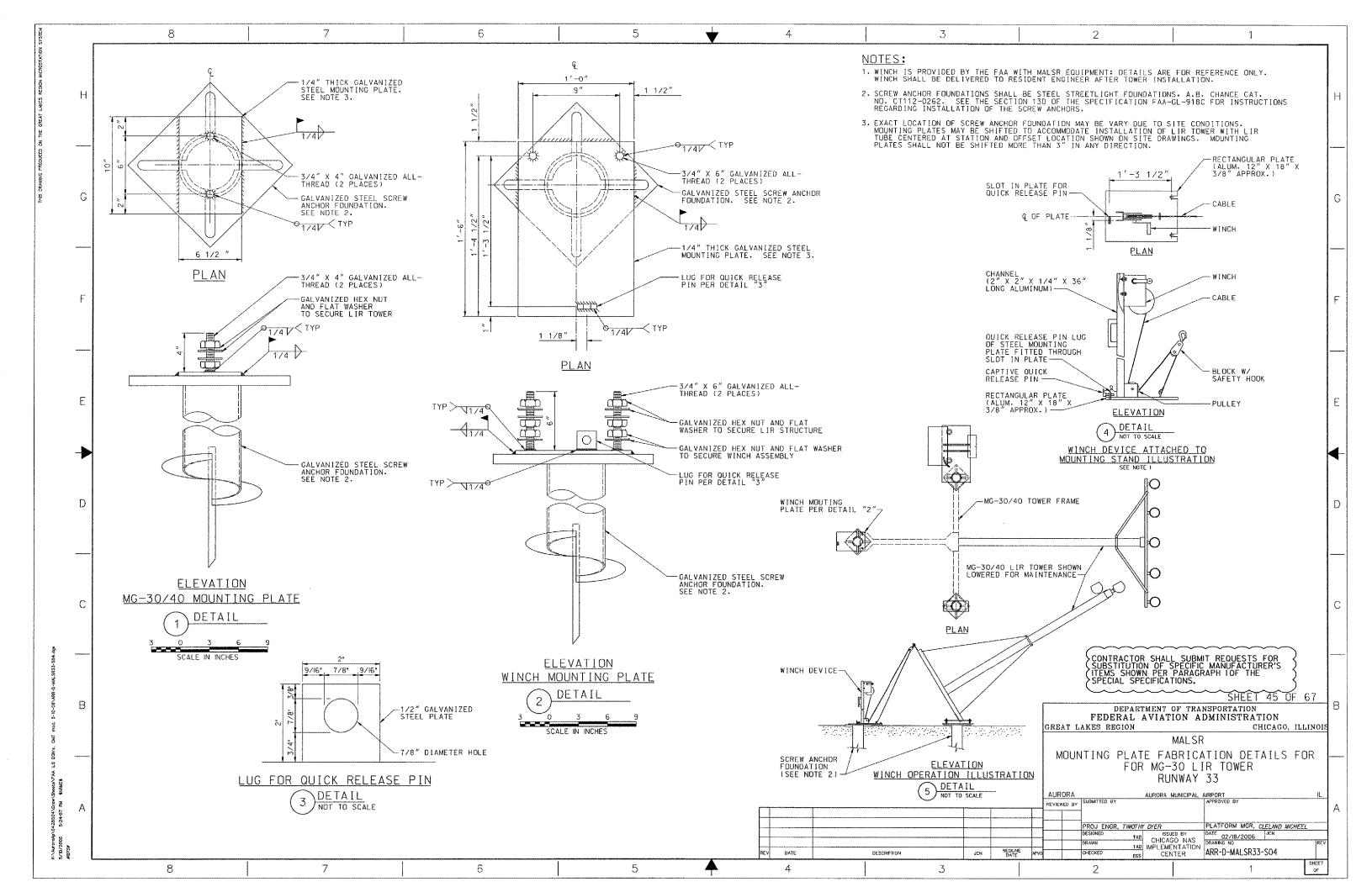


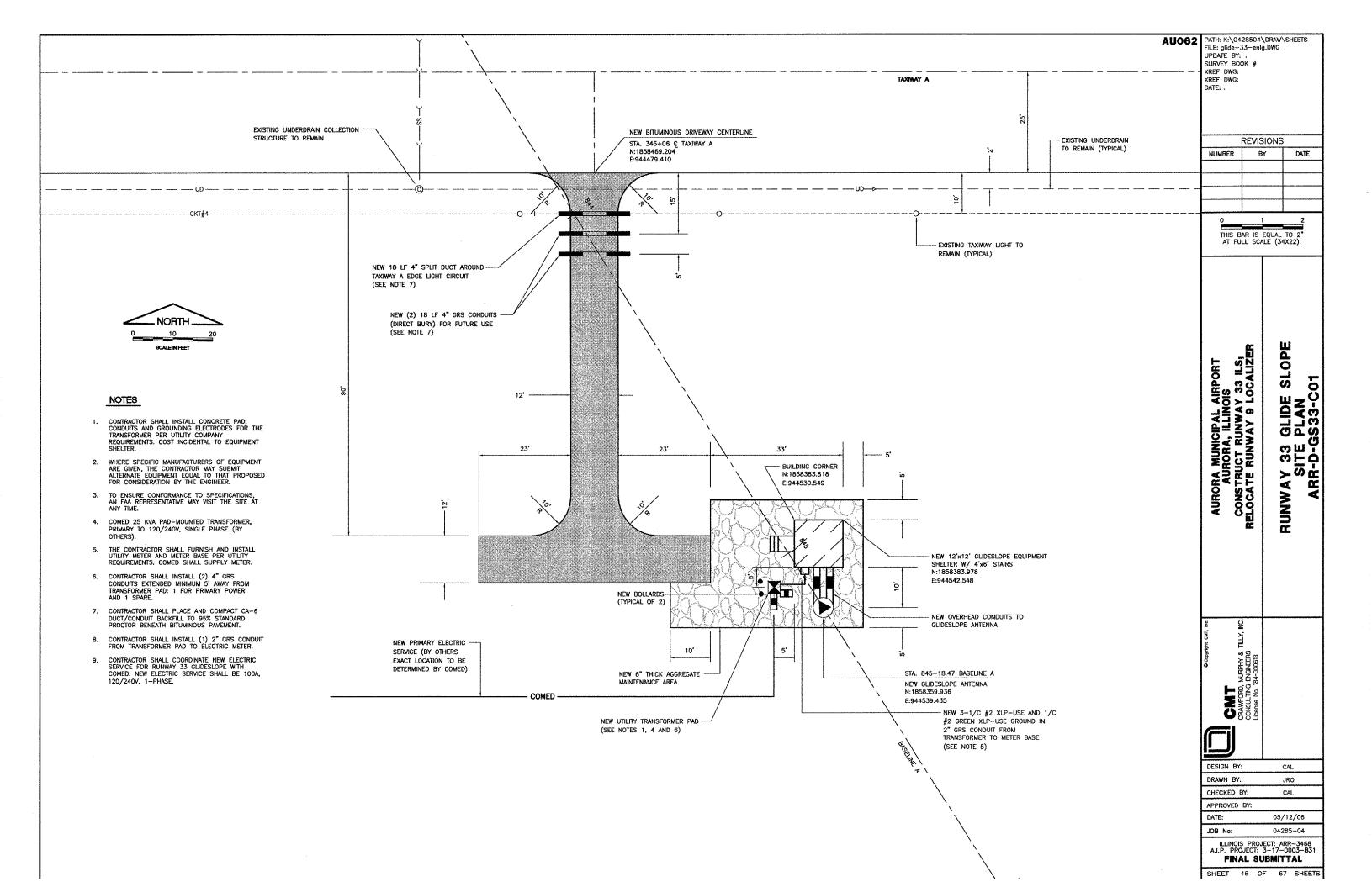


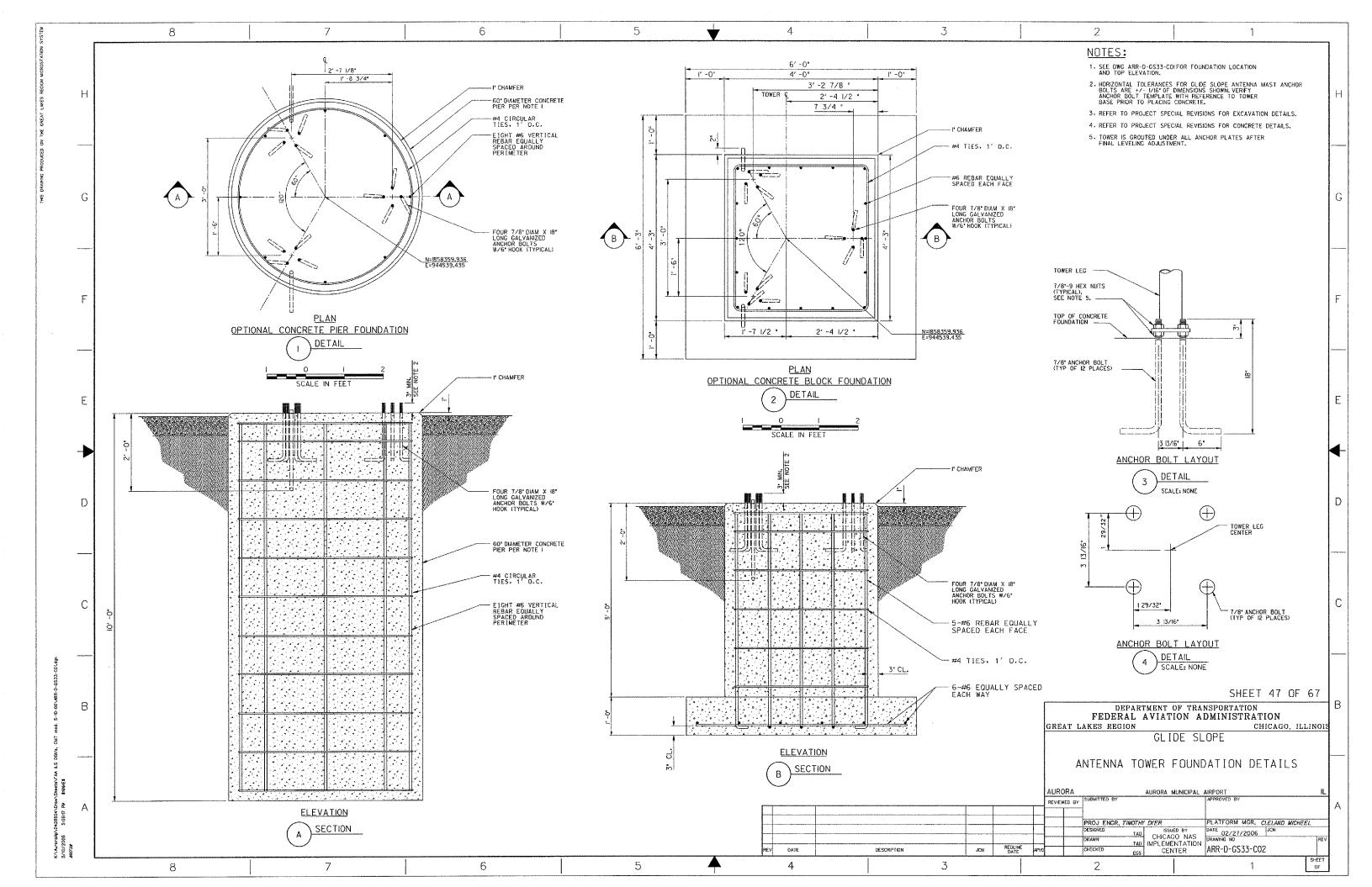


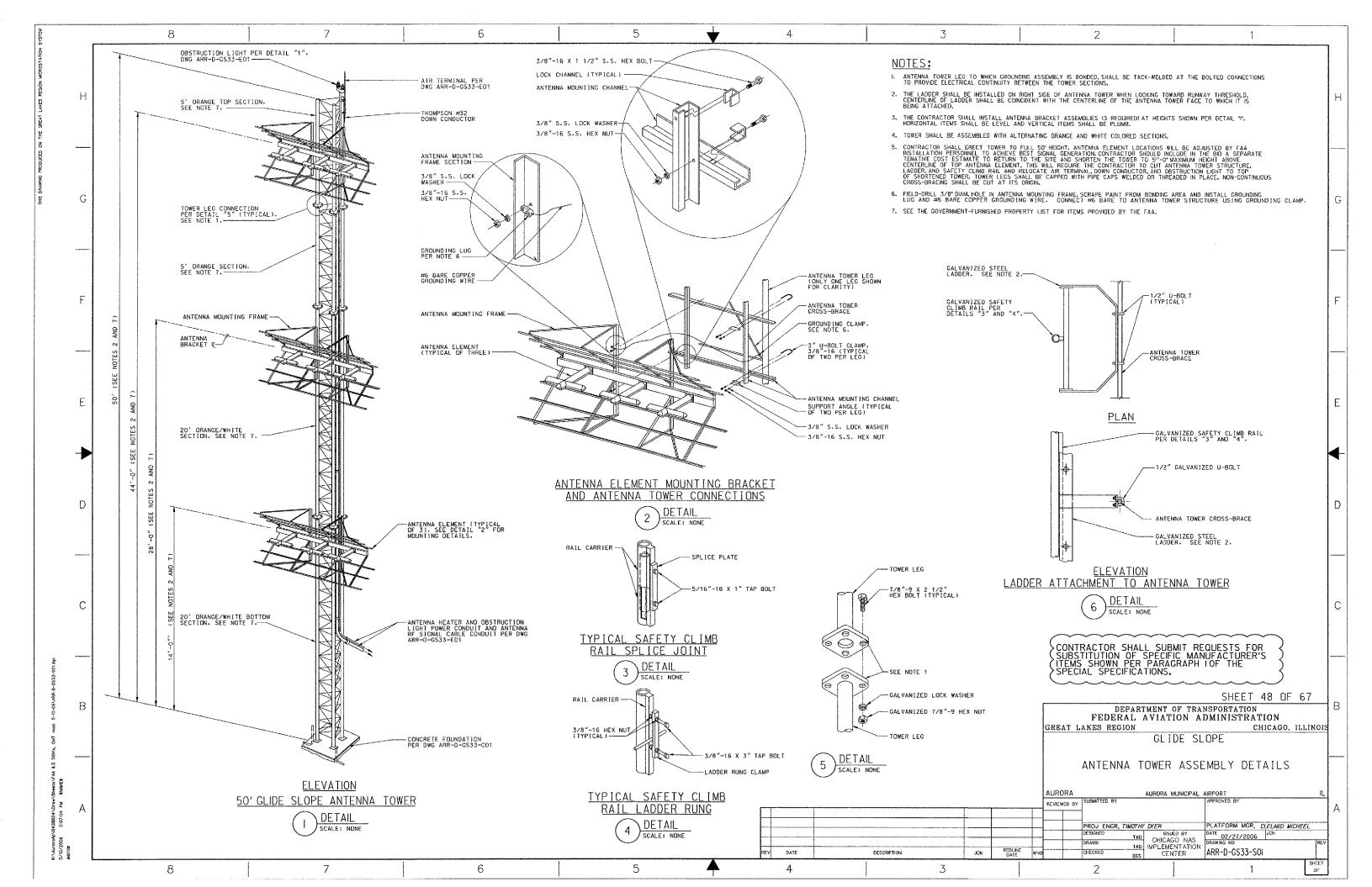


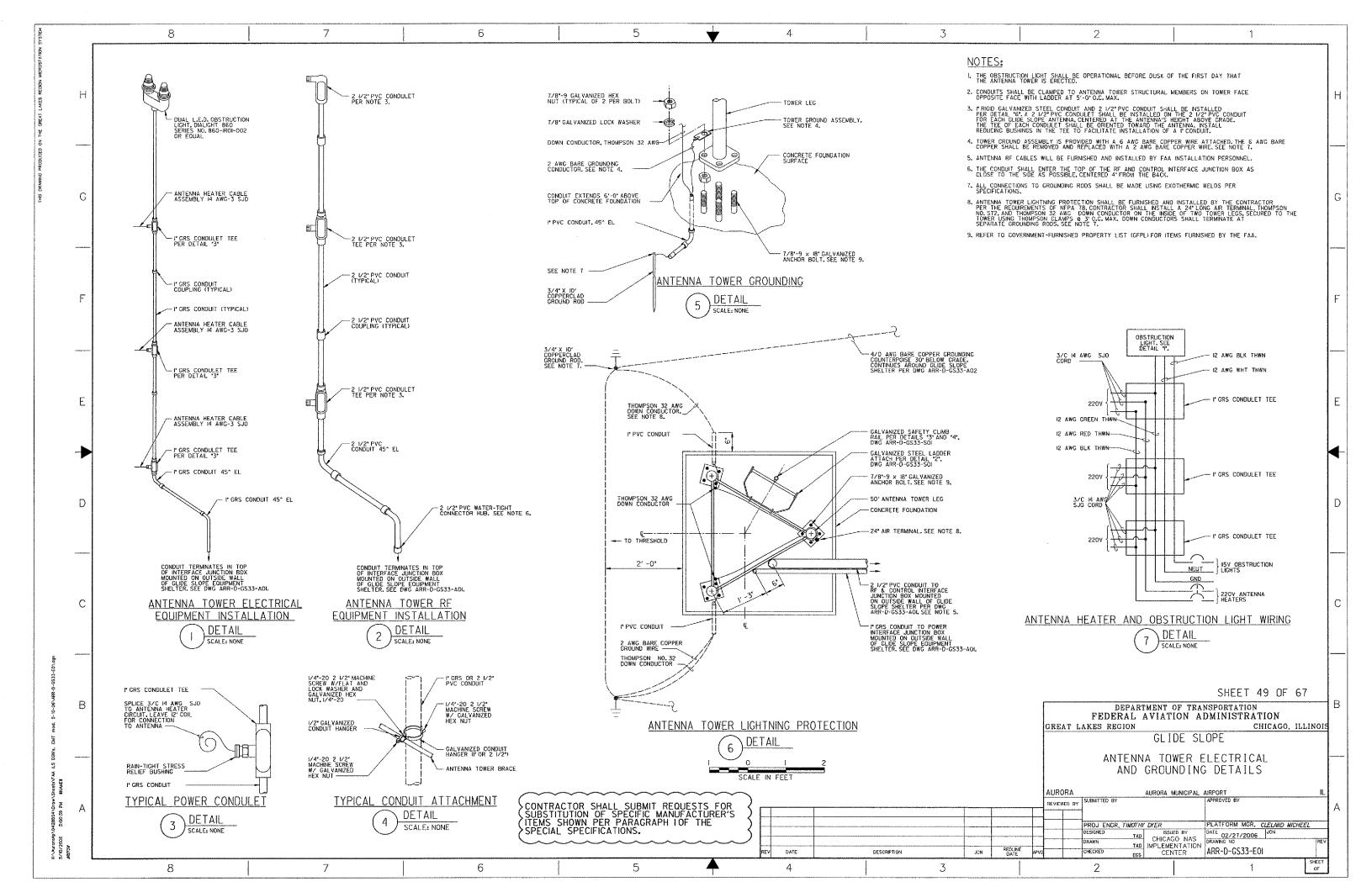


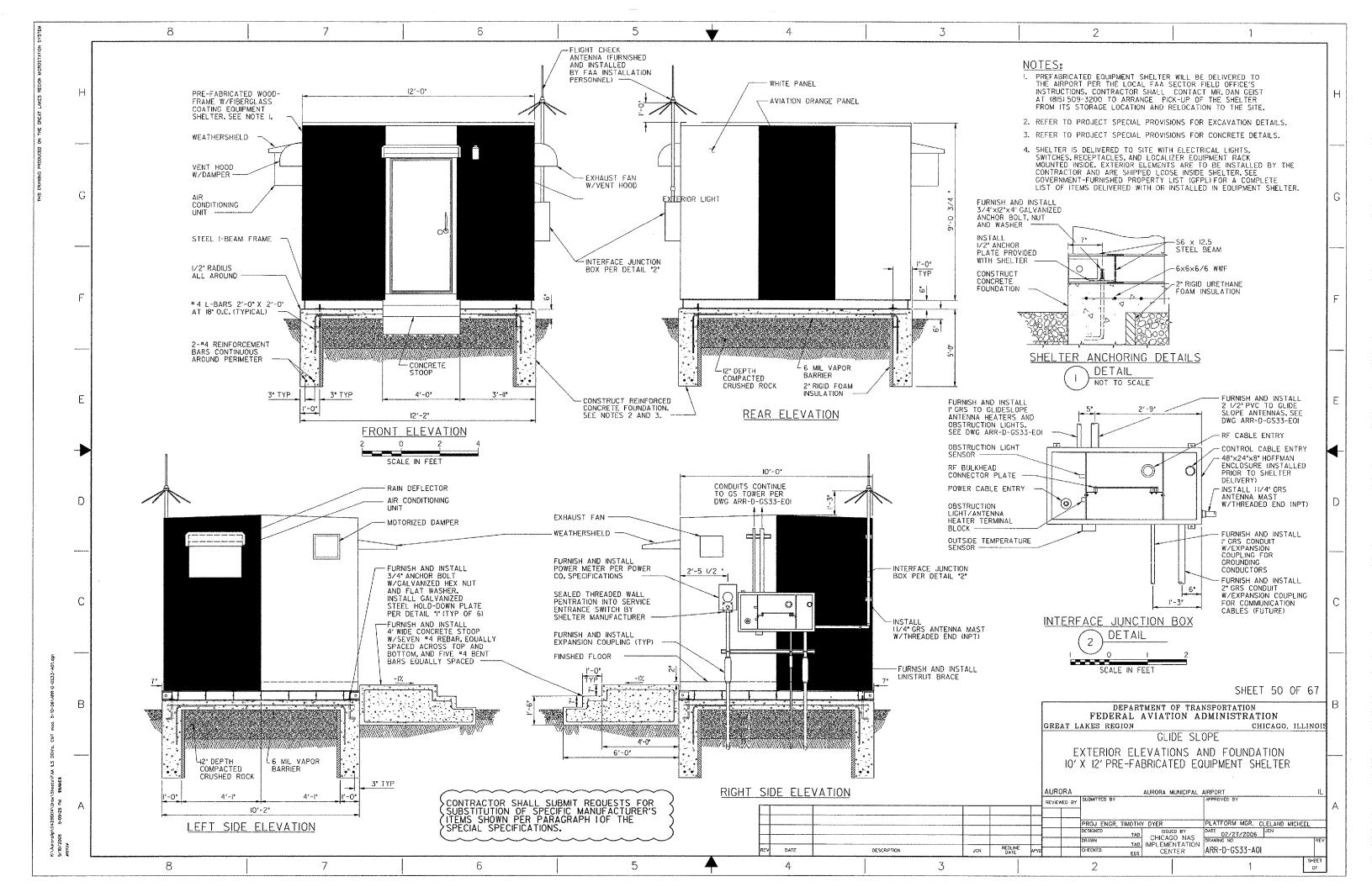


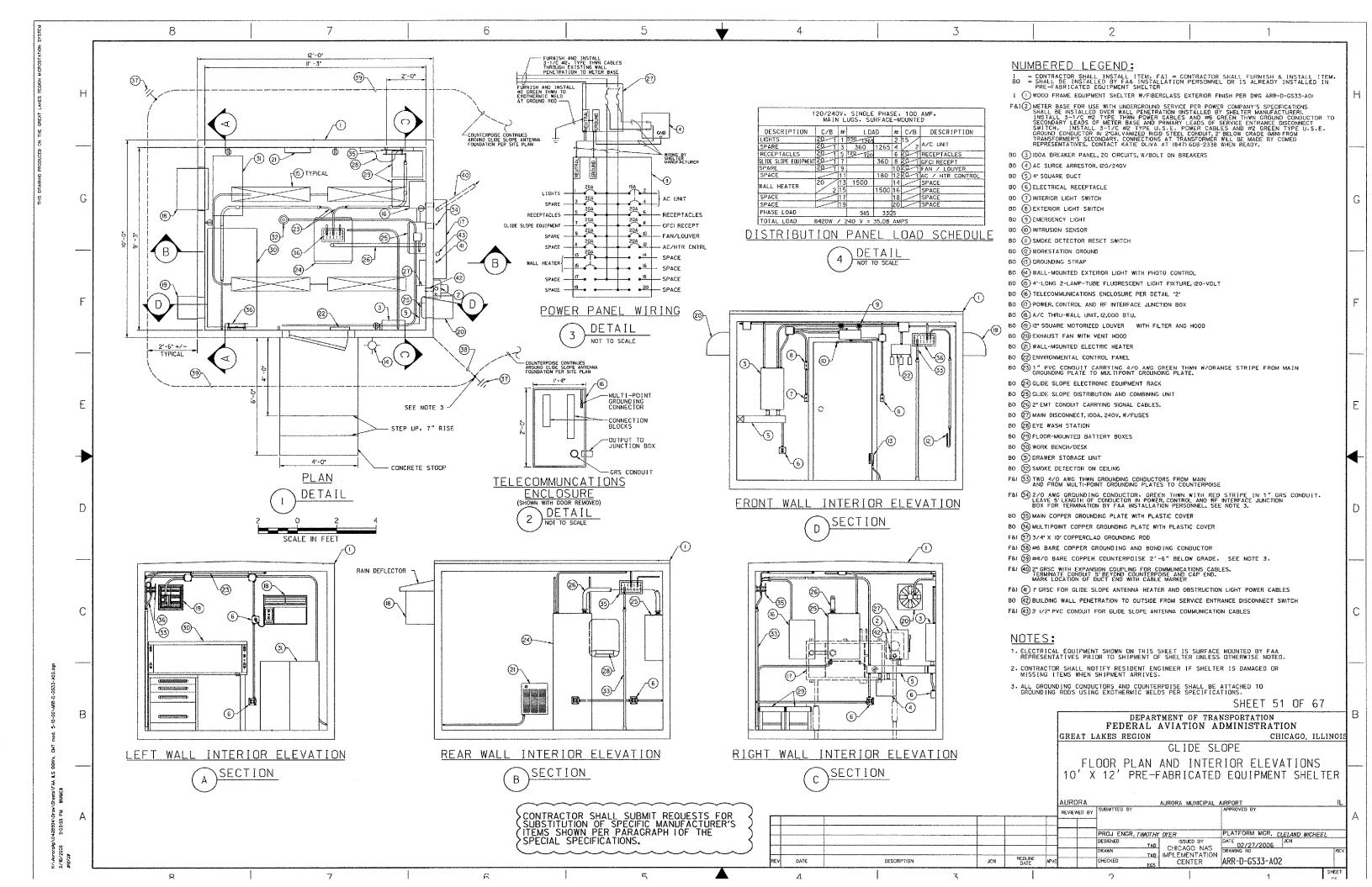


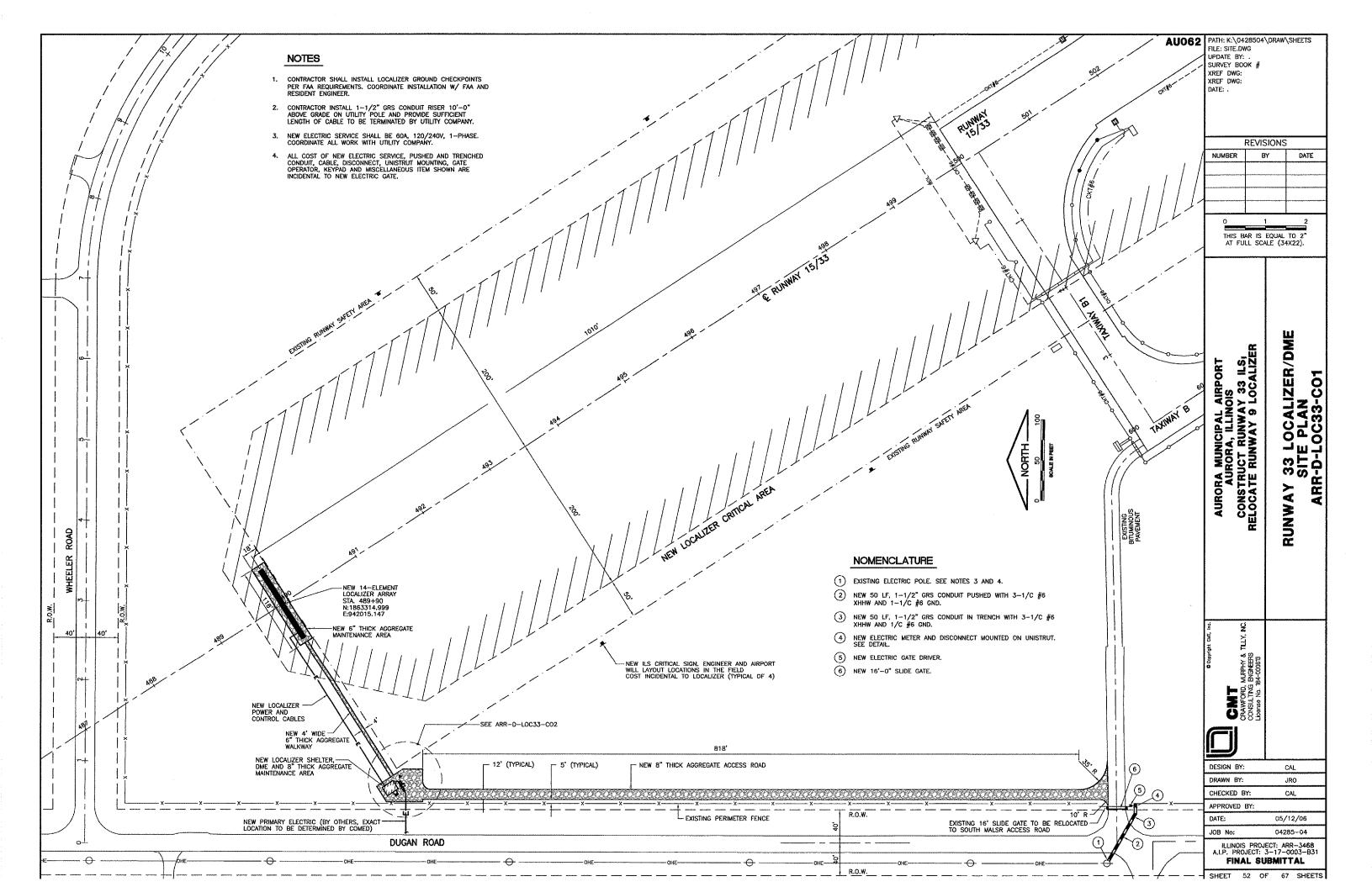


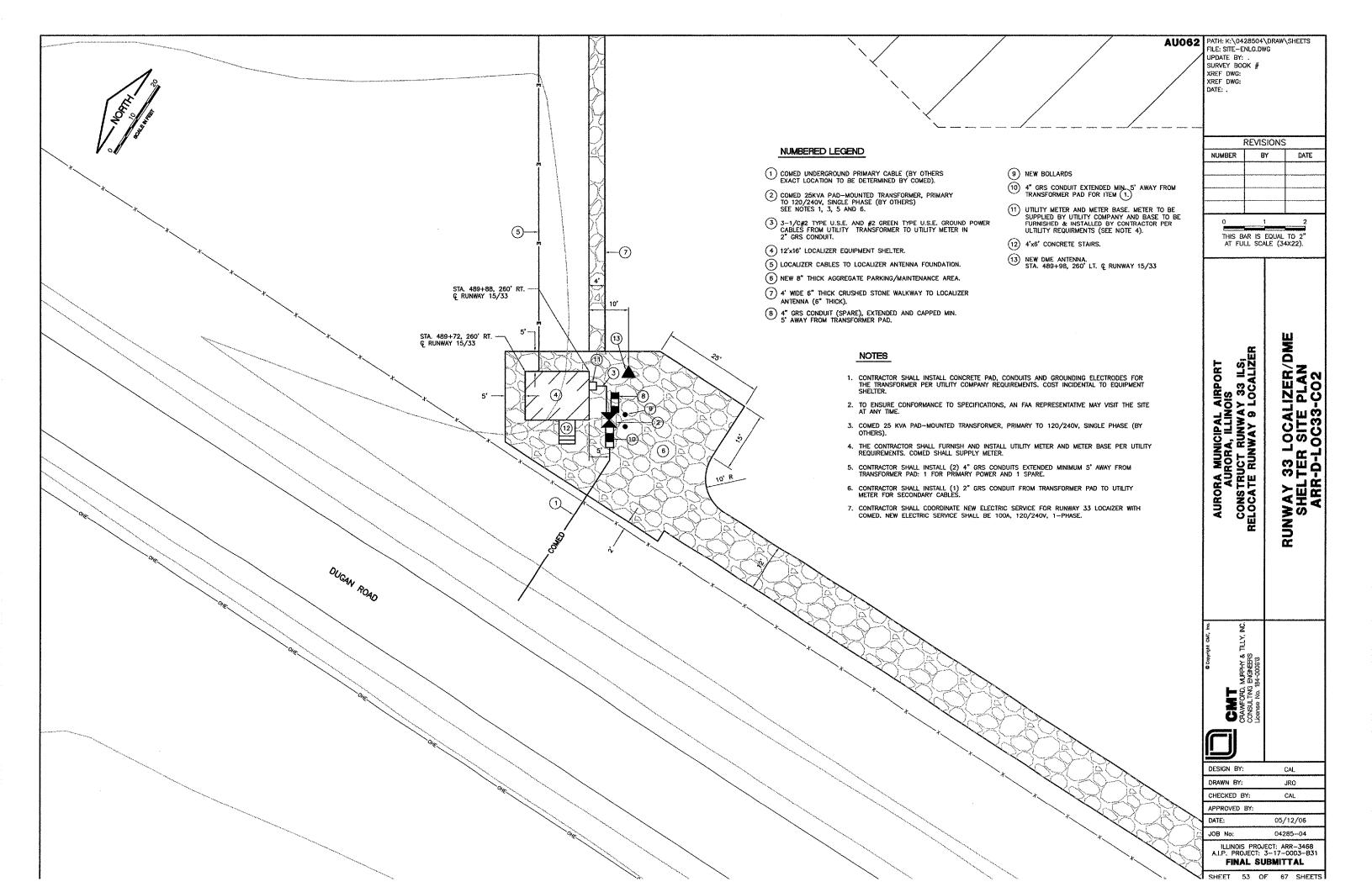


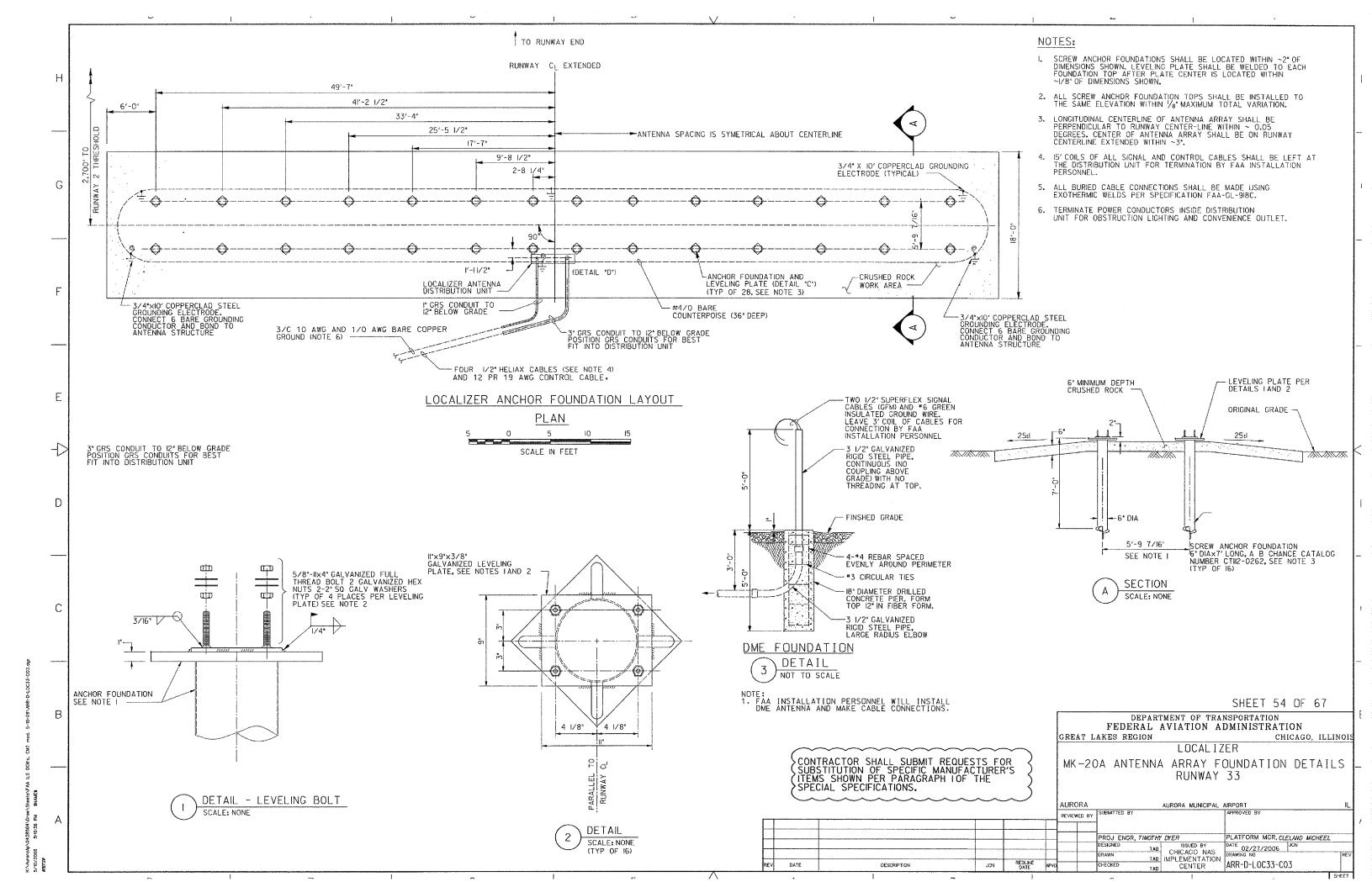


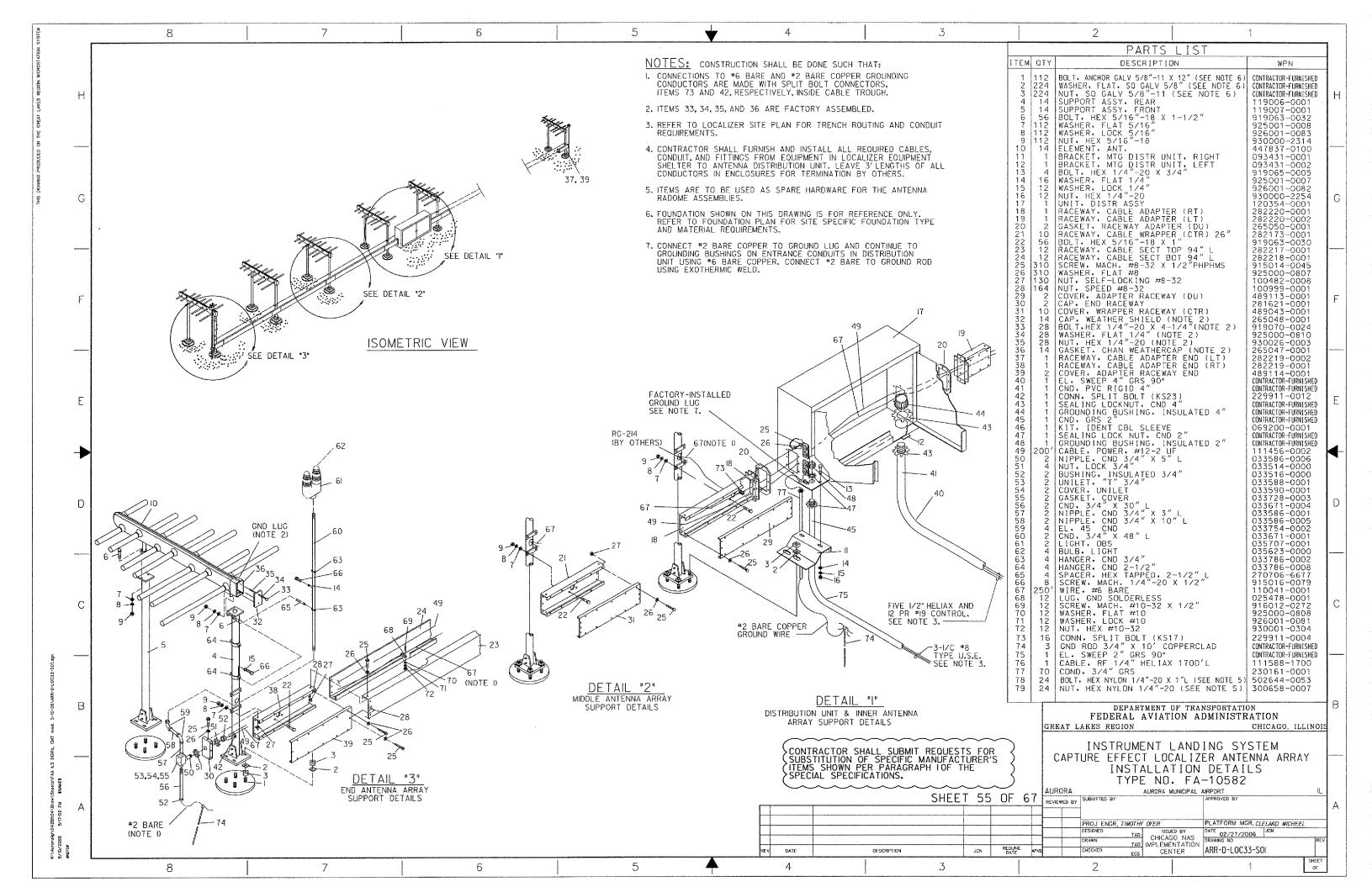


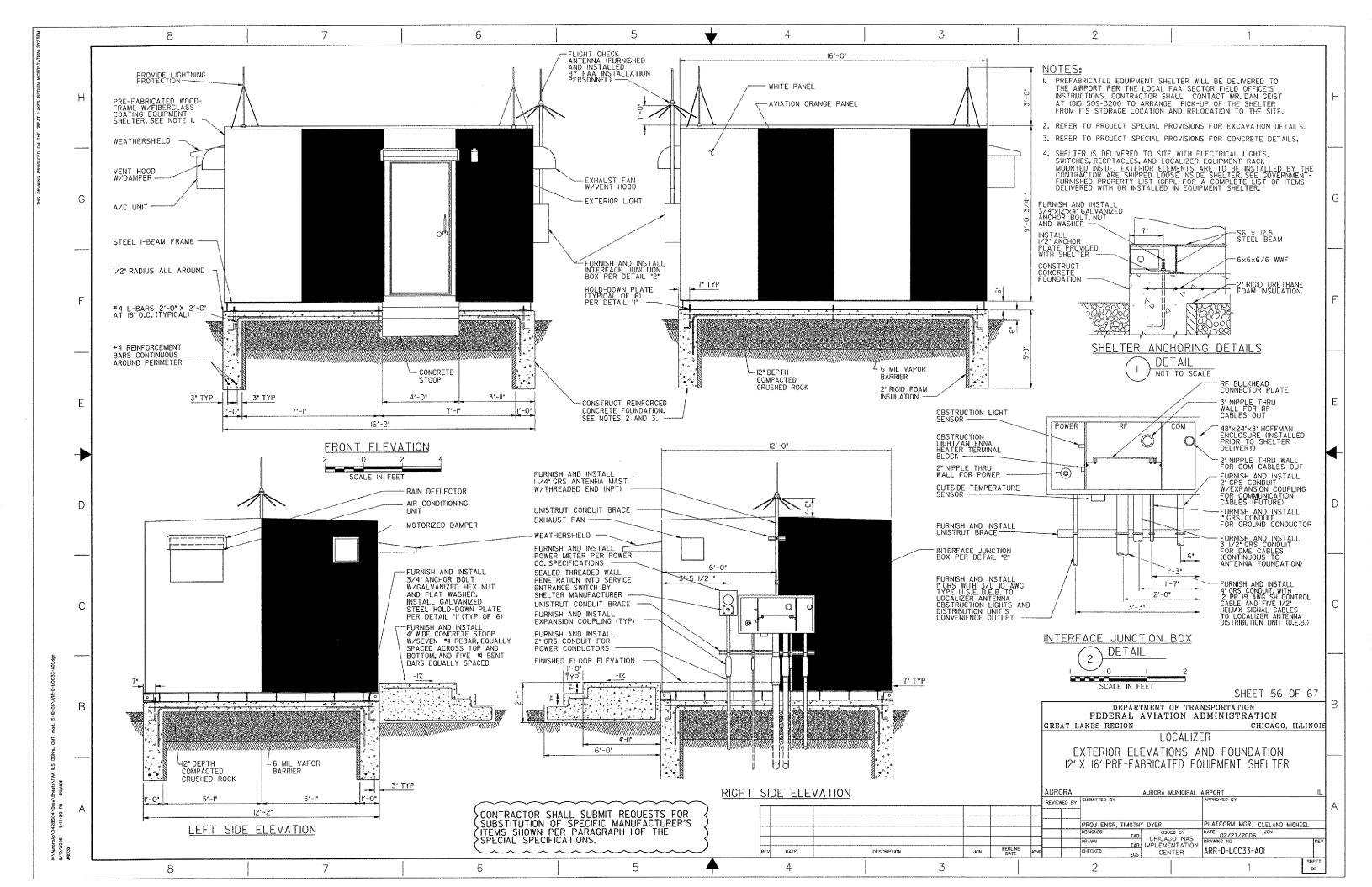


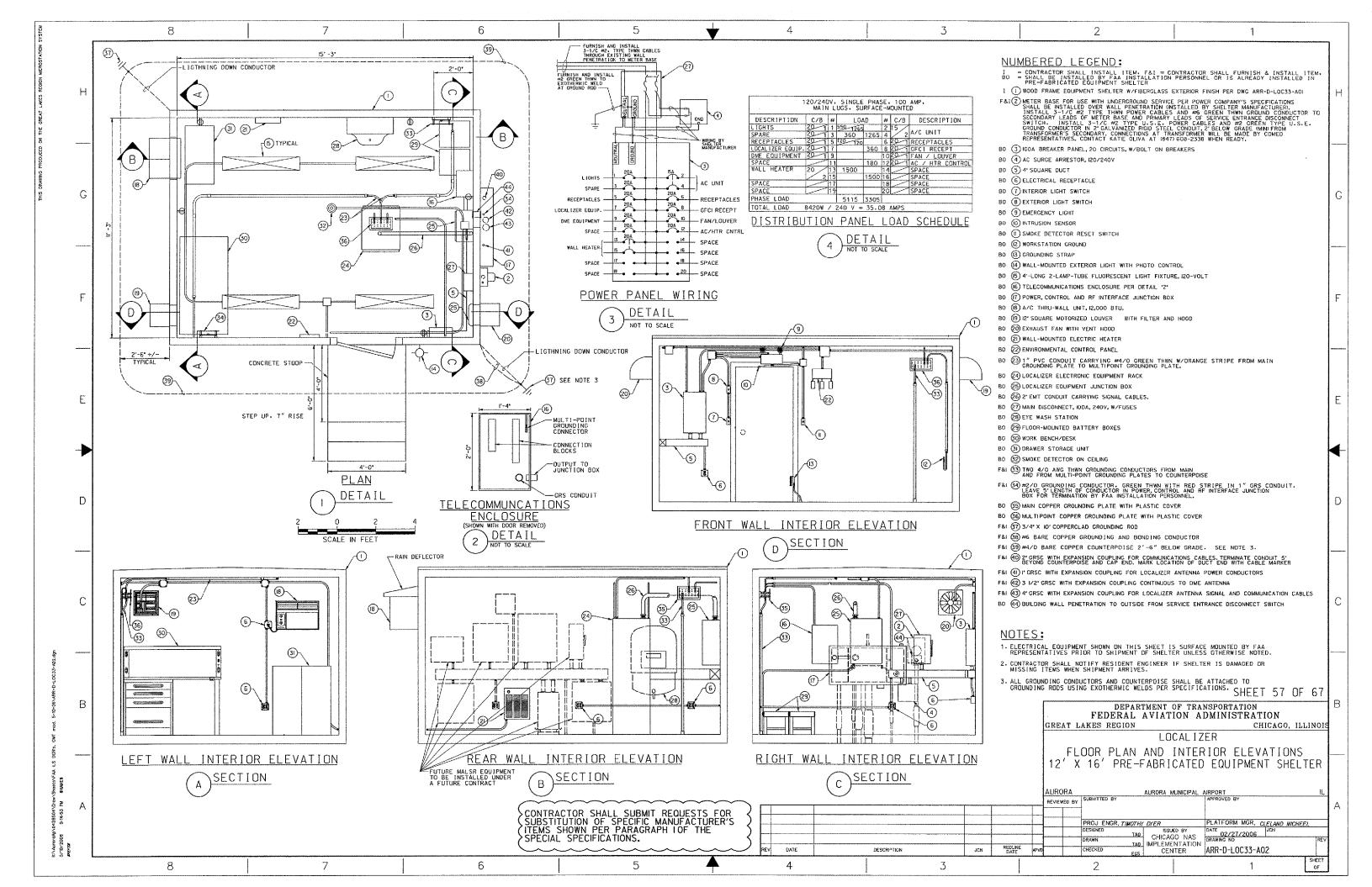


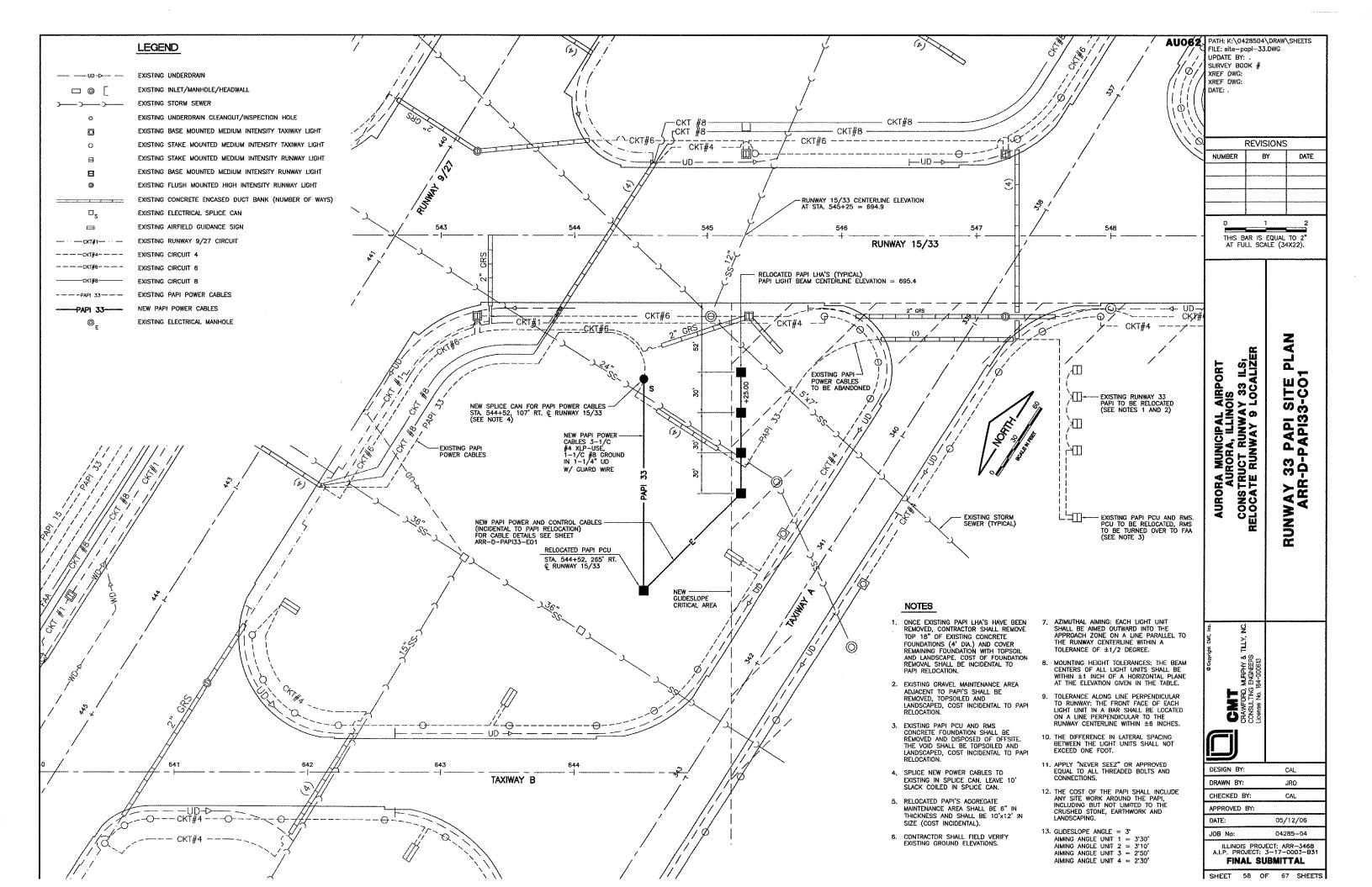


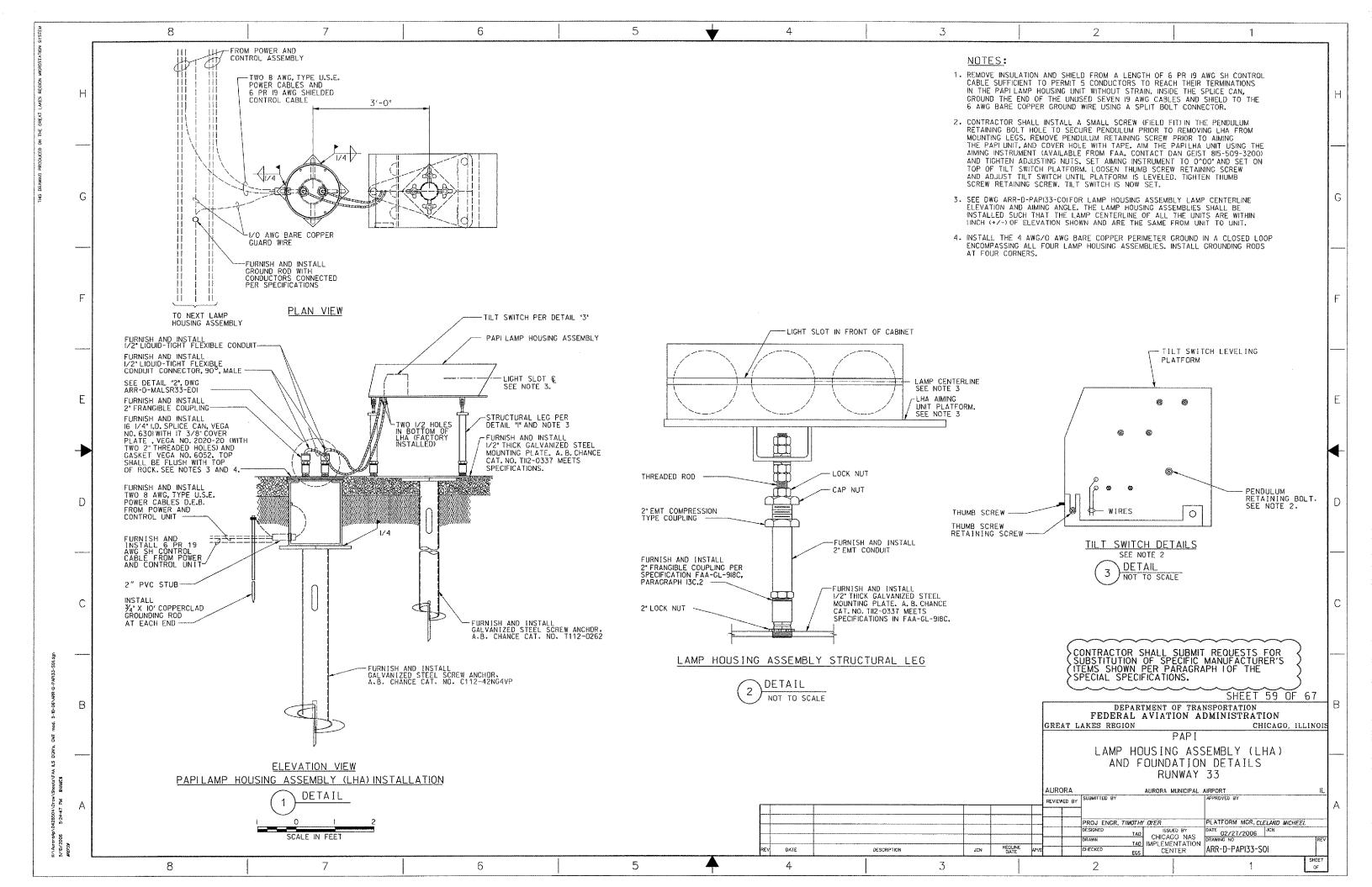


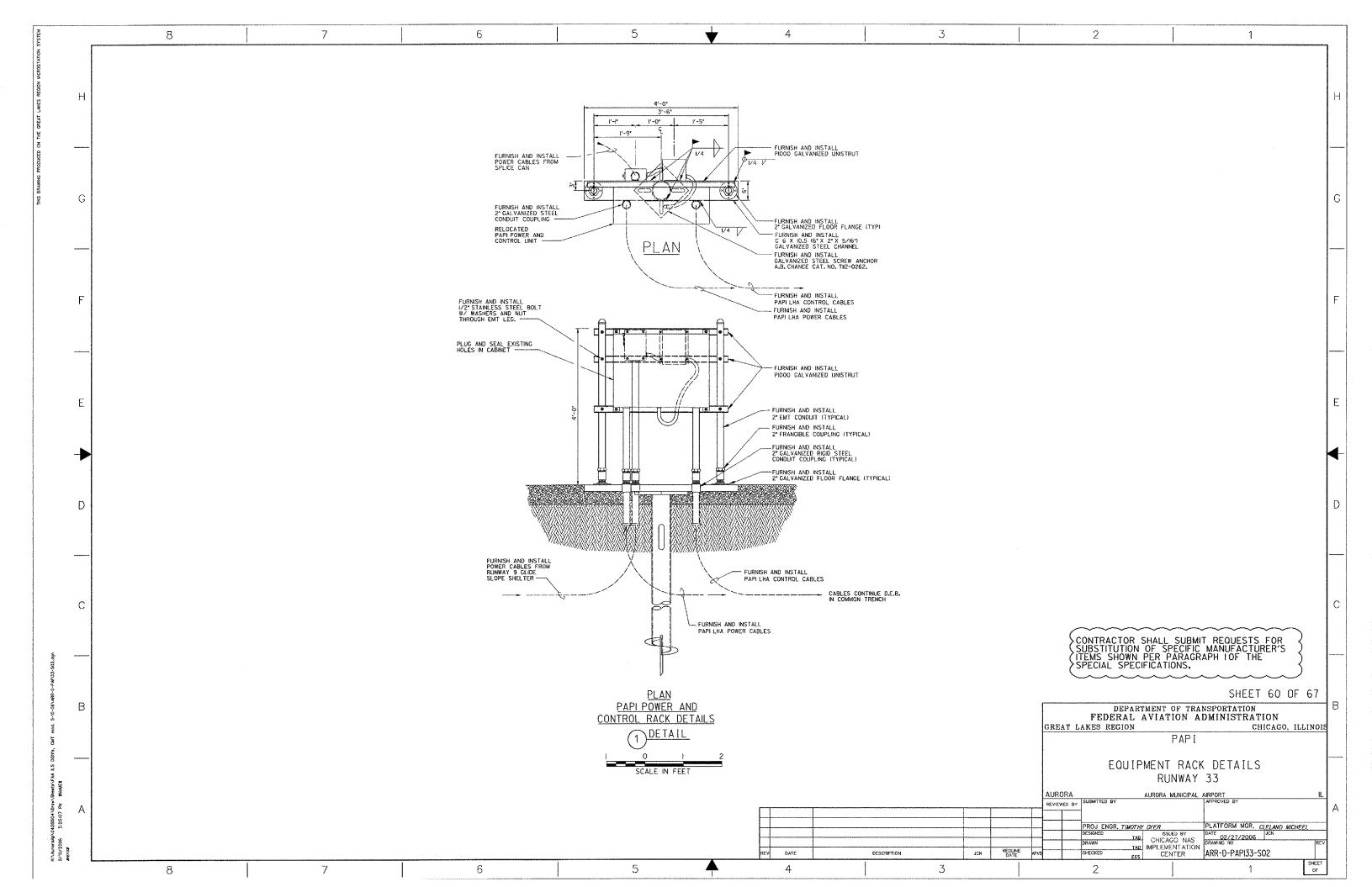


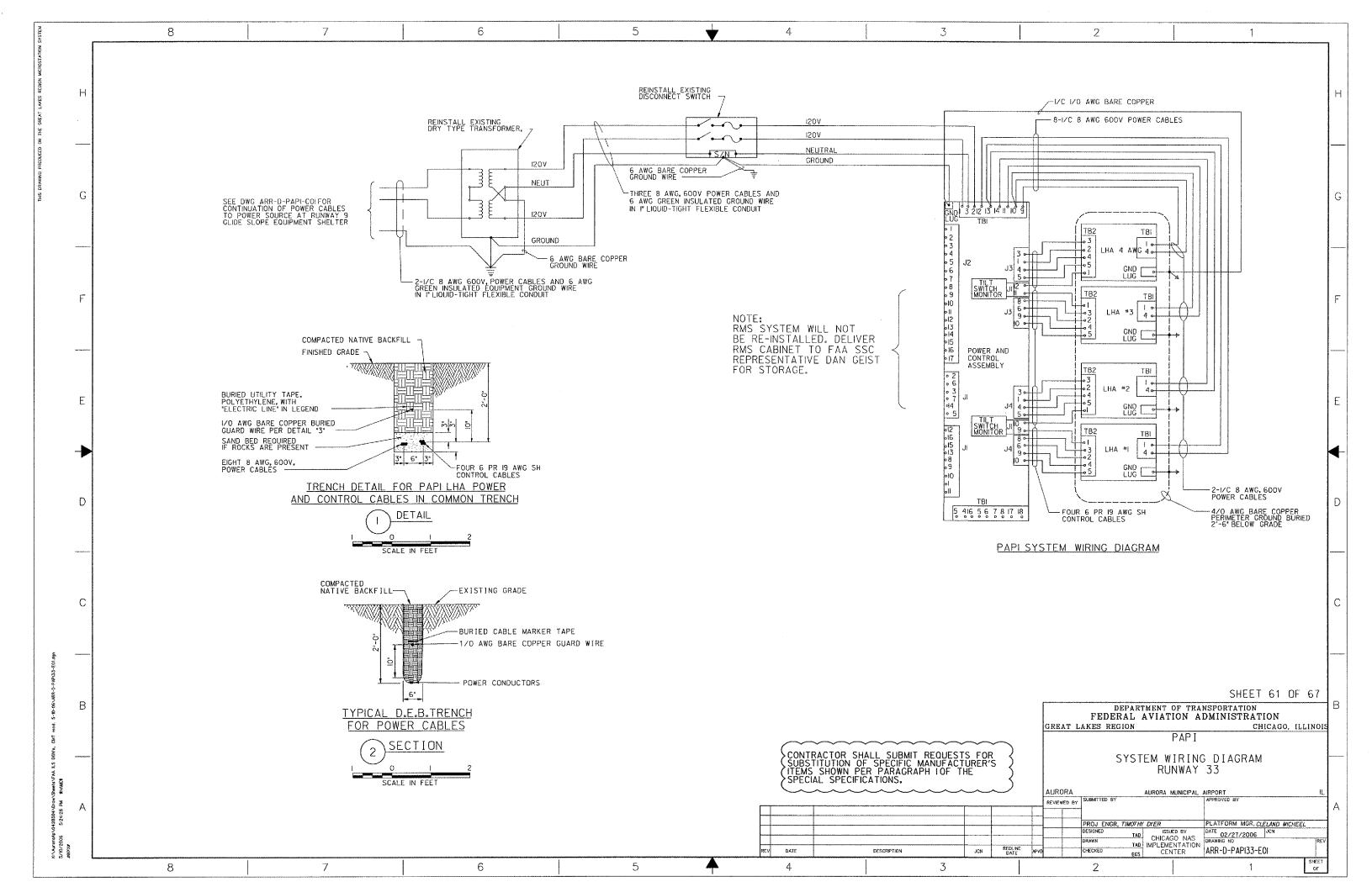


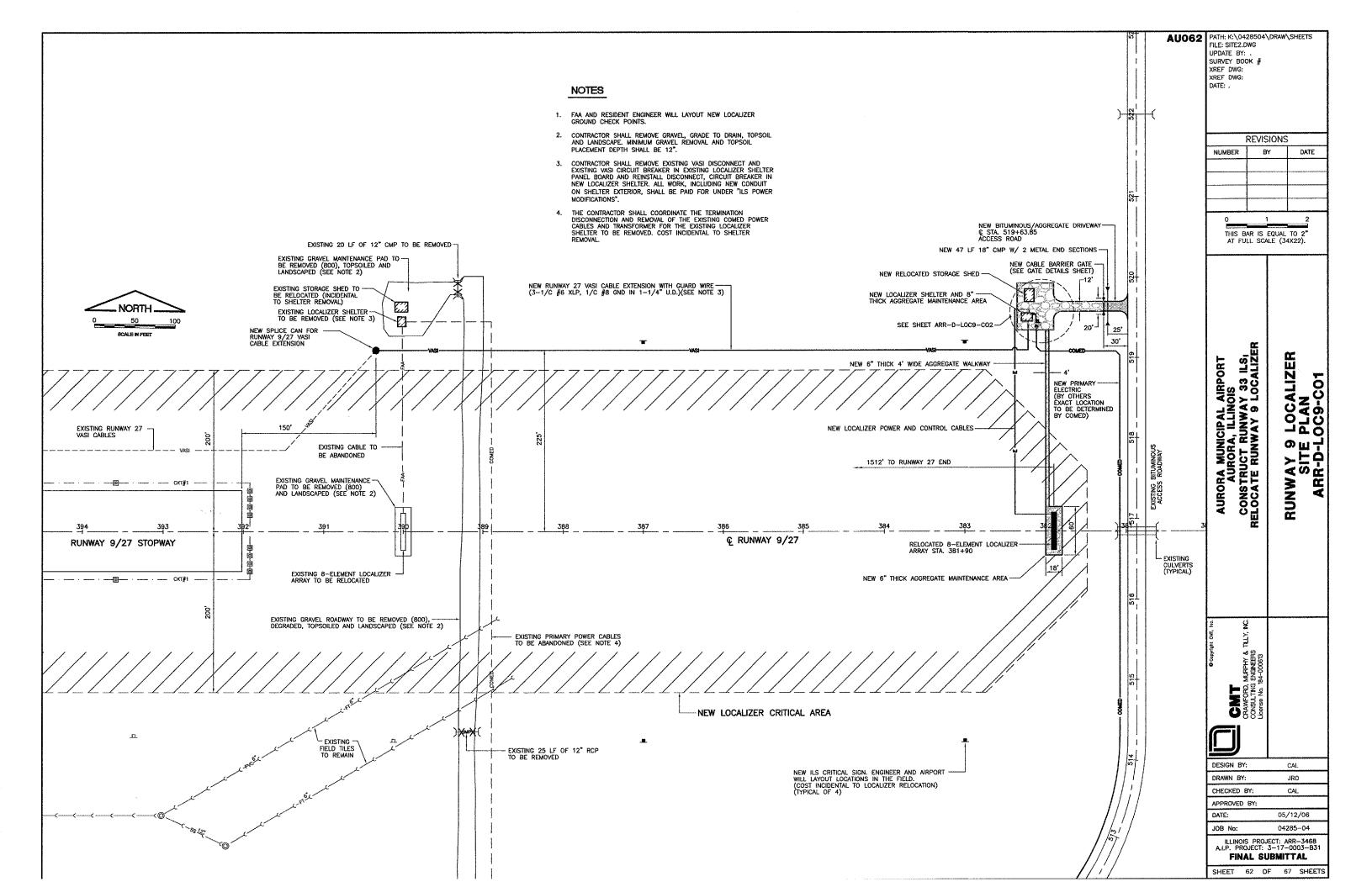












## NUMBERED LEGEND

- 1 COMED UNDERGROUND PRIMARY CABLE (BY OTHERS EXACT LOCATION TO BE DETERMINED BY COMED).
- (2) COMED 25KVA PAD-MOUNTED TRANSFORMER, PRIMARY TO 120/240V, SINGLE PHASE (BY OTHERS) SEE NOTES 1, 4, 6 AND 7.
- 3 3-1/C#2 TYPE U.S.E. AND #2 GREEN TYPE U.S.E. POWER CABLES IN 2" GRS CONDUIT FROM UTILITY TRANSFORMER TO UTILITY METER.
- (4) 10'x14' LOCALIZER EQUIPMENT SHELTER.
- (5) LOCALIZER CABLES TO LOCALIZER ANTENNA FOUNDATION.
- 6 NEW BITUMINOUS/AGGREGATE (8" THICK) ACCESS ROAD/TURNAROUND AREA.
- 7 4' WIDE CRUSHED STONE WALKWAY TO LOCALIZER ANTENNA (6" THICK).
- 8 4" GRS CONDUIT (SPARE), EXTENDED AND CAPPED MIN. 5' AWAY FROM TRANSFORMER PAD.

- (9) NEW BOLLARD
- 4" GRS CONDUIT EXTENDED MIN 5' AWAY FROM TRANSFORMER PAD FOR ITEM (1.)
- (1) UTILITY METER AND METER BASE, METER TO BE SUPPLIED BY UTILITY COMPANY AND BASE TO BE FURNISHED & INSTALLED BY CONTRACTOR PER ULTILITY REQUIRMENTS.
- (12) 4'x4'x8" CONCRETE PAD.
- (13) RELOCATED 12'x16' STORAGE SHED

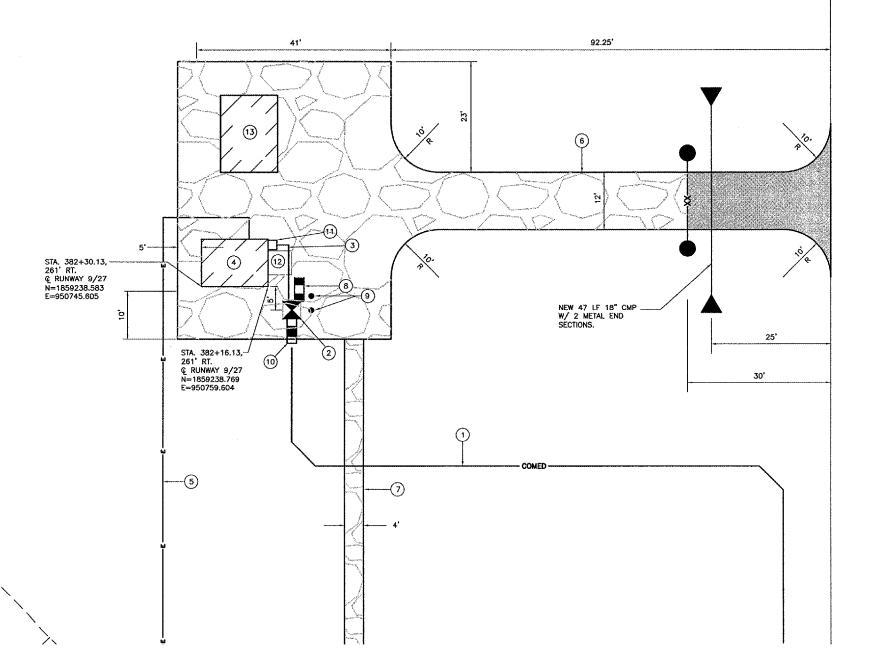
## NOTES

- WHERE SPECIFIC MANUFACTURERS OF EQUIPMENT ARE GIVEN, THE CONTRACTOR MAY SUBMIT ALTERNATE EQUIPMENT EQUAL TO THAT PROPOSED
- TO ENSURE CONFORMANCE TO SPECIFICATIONS, AN FAA REPRESENTATIVE MAY VISIT THE SITE AT ANY TIME.
- PRIMARY TO 120/240V, SINGLE PHASE (BY OTHERS).
- CONTRACTOR SHALL INSTALL (2) 4" GRS
   CONDUITS EXTENDED MINIMUM 5' AWAY FROM
   TRANSFORMER PAD: 1 FOR PRIMARY POWER AND
   CONTRACTOR OF TRANSFORMER PAD: 1 FOR PRIMARY POWER AND
- CONTRACTOR SHALL INSTALL (1) 2" GRS CONDUIT FROM TRANSFORMER PAD TO UTILITY METER FOR SECONDARY CABLES.
- CONTRACTOR SHALL COORDINATE NEW ELECTRIC SERVICE FOR RELOCATED RUNWAY 9 LOCALIZER WITH COMED. NEW ELECTRIC SERVICE SHALL BE 100A, 120/240V, 1—PHASE.



4. COMED 25 KVA PAD-MOUNTED TRANSFORMER.

5. THE CONTRACTOR SHALL FURNISH AND INSTALL UTILITY METER AND METER BASE PER UTILITY REQUIREMENTS. COMED SHALL SUPPLY METER.



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FILE: SITE2-ENLG.DWG UPDATE BY: . SURVEY BOOK # XRFF DWG: XREF DWG: DATE: .



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	THIS B	AR IS EQUAL	TO 2"

AT FULL SCALE (34X22). AIRPORT IOIS NY 33 ILS; LOCALIZER ALIZER PLAN CO2 SITE OC9-CONSTRUCT RUNWA RELOCATE RUNWAY 9 שב<u>י</u> ד RUNWAY SHELTER ARR-D-CENTOR DESIGN BY: CAL DRAWN BY: JRO CHECKED BY: CAL APPROVED BY: DATE: 05/12/06 JOB No: 04285-04

ILLINOIS PROJECT: ARR-3468 A.I.P. PROJECT: 3-17-0003-B31 FINAL SUBMITTAL SHEET 63 OF 67 SHEETS

