

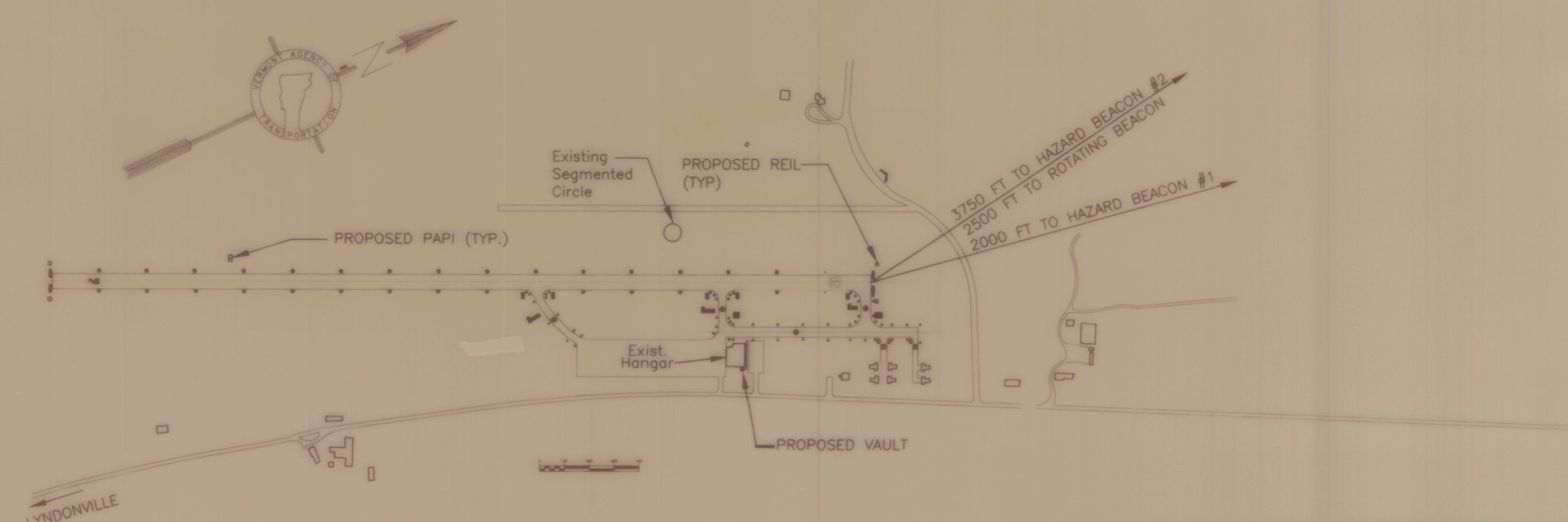
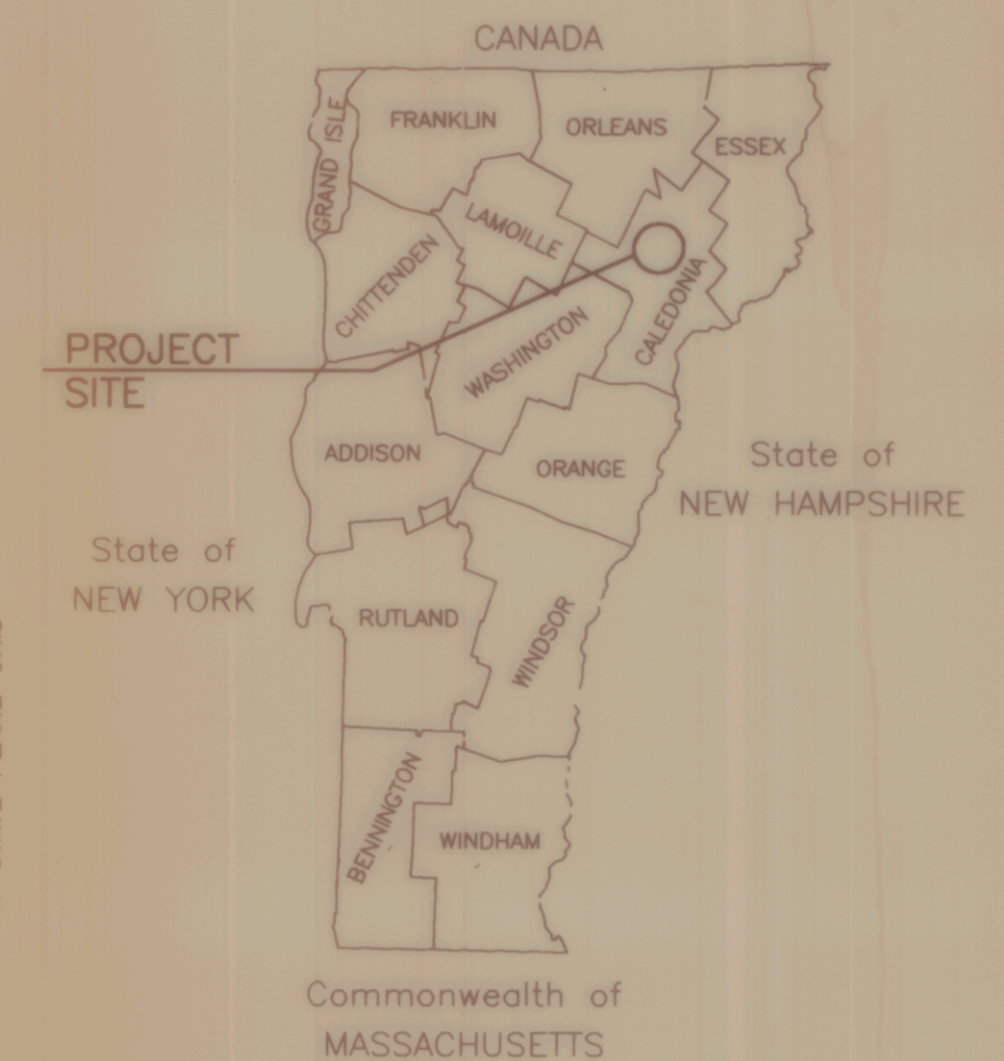
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# STATE OF VERMONT AGENCY OF TRANSPORTATION



## PROPOSED IMPROVEMENT TOWN OF LYNDON COUNTY OF CALEDONIA CALEDONIA COUNTY STATE AIRPORT AIR No. 04-3032 RUNWAY LIGHTING AND BEACON PROJECT



THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE FEDERAL AVIATION ADMINISTRATION OR THE CHIEF ENGINEER. CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 1990, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON MARCH 15, 1990 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS. THESE PLANS AND SPECIFICATIONS ARE IN ACCORDANCE WITH CRITERIA IN CURRENT FAA ADVISORY CIRCULARS AS OF FEBRUARY 26, 1992.

CONVENTIONAL SIGNS	
COUNTY LINE	---
TOWN LINE	- - - -
LIMITS OF ACCESS	○ ○ ○ ○
POINT OF ACCESS	X
FENCE LINE	- x - x -
STONE WALL	o o o o o o o o
TRAVELED WAY	—
GUARD RAIL	o o o o o o o o
RAILROAD	—+—+—+—+—
SURVEY LINE	—+—+—+—+—
CULVERT	—+—+—+—+—
POWER POLE	○
TELEPHONE POLE	○
TREES	● *
CONTROL OF ACCESS	///
PROPERTY LINE	—
R.O.W. TAKING LINE	—
SLOPE RIGHTS	○ SR
TOP OF CUT	△
TOE OF SLOPE	○

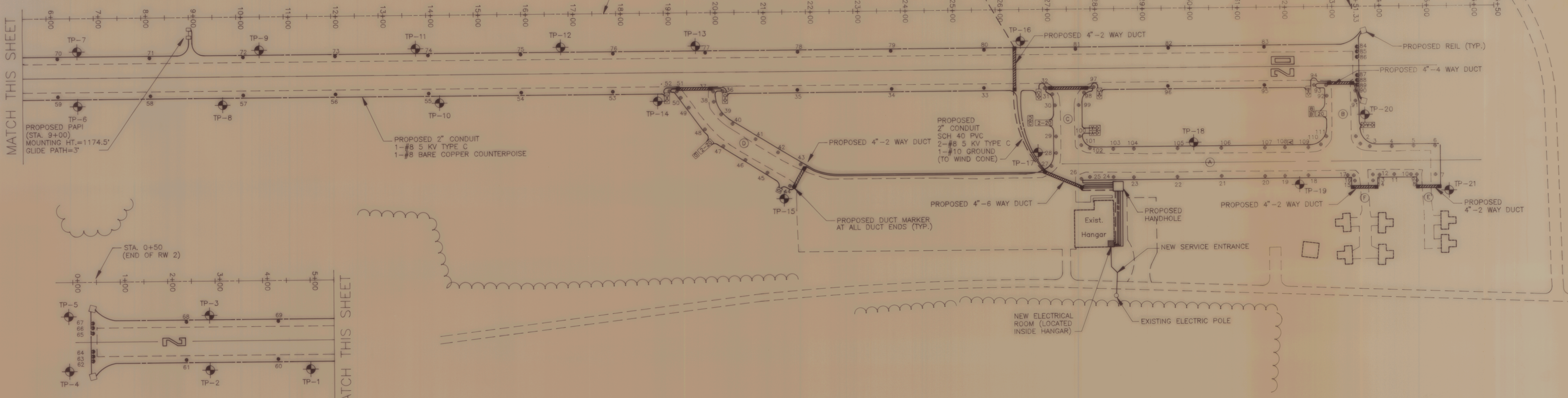
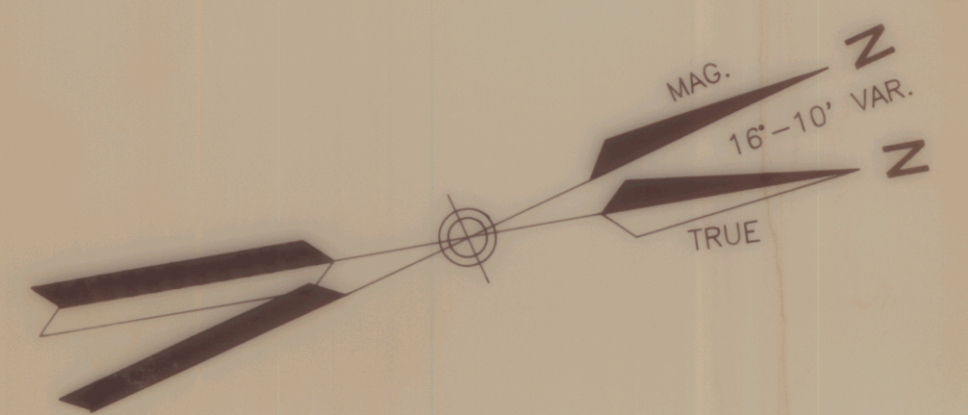
DATUM	
VERTICAL	_____
HORIZONTAL	_____

FEDERAL AVIATION ADMINISTRATION APPROVED: _____ DATE _____ CHIEF, AIRPORTS BRANCH	PREPARED BY <b>DuBOIS AND KING, INC.</b> VT 05060 728-3376 APPROVED: <i>David Farr</i> <i>Richard L. Stewart</i> DATE: 9/19/95	SUBMITTED BY ORDER OF THE STATE TRANSPORTATION BOARD APPROVED _____ DATE _____ DIRECTOR DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION APPROVED _____ DATE _____ DIVISION ADMINISTRATOR PROJECT _____ SHEET 1 OF 14 SHEETS
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RUNWAY AND TAXIWAY LIGHTING SCHEDULE (STATION AND OFFSET REFER TO SURVEY BASELINE)											
LIGHT #	STA.	OFFSET RT.	LIGHT #	STA.	OFFSET RT.	LIGHT #	STA.	OFFSET RT.	LIGHT #	STA.	OFFSET RT.
1	33+58	273'	29	27+27	267'	57	10+15	165'	85	33+61	95'
2	33+67	289'	30	27+25	203'	58	8+20	165'	86	33+61	105'
3	33+87	294'	31	27+20	179'	59	6+25	165'	87	33+61	145'
4	34+33	294'	32	27+03	165'	60	4+30	165'	88	33+61	155'
5	34+79	294'	33	25+75	165'	61	2+35	165'	89	33+61	165'
6	35+24	294'	34	23+80	165'	62	0+40	165'	90	33+58	178'
7	35+24	354'	35	21+85	165'	63	0+40	155'	91	33+58	199'
8	34+86	367'	36	20+24	165'	64	0+40	145'	92	32+97	188'
9	34+86	354'	37	20+04	165'	65	0+40	105'	93	32+96	165'
10	34+73	354'	38	20+06	188'	66	0+40	95'	94	32+71	165'
11	34+40	354'	39	20+21	214'	67	0+40	85'	95	31+60	165'
12	34+07	354'	40	20+44	234'	68	2+35	85'	96	29+65	165'
13	33+93	354'	41	20+92	266'	69	4+30	85'	97	28+09	165'
14	33+93	367'	42	21+40	295'	70	6+25	85'	98	27+86	176'
15	33+55	367'	43	21+88	320'	71	8+20	85'	99	27+75	203'
16	33+53	356'	44	21+64	366'	72	10+15	85'	100	27+76	267'
17	33+40	355'	45	21+17	337'	73	12+10	85'	101	27+80	286'
18	32+57	354'	46	20+21	310'	74	14+05	85'	102	27+97	296'
19	32+07	354'	47	20+26	281'	75	16+00	85'	103	28+47	296'
20	31+65	354'	48	19+86	245'	76	17+95	85'	104	28+89	296'
21	30+73	354'	49	19+54	199'	77	19+90	85'	105	29+81	296'
22	29+81	354'	50	19+36	179'	78	21+85	85'	106	30+73	296'
23	28+89	354'	51	19+28	165'	79	23+80	85'	107	31+65	296'
24	28+47	354'	52	19+13	165'	80	25+75	85'	108	32+07	296'
25	27+97	354'	53	17+95	165'	81	27+70	85'	109	32+57	296'
26	27+79	357'	54	16+00	165'	82	29+65	85'	110	32+84	290'
27	27+16	330'	55	14+05	165'	83	31+60	85'	111	32+96	273'
28	27+26	302'	56	12+10	165'	84	33+61	85'			



MATCH THIS SHEET

MATCH THIS SHEET

**ELECTRICAL NOTES**

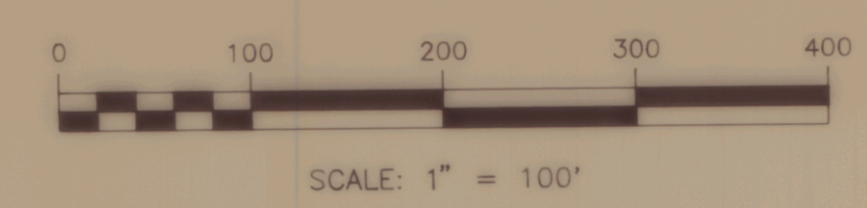
- No. 8 BARE COPPER STRANDED COUNTERPOISE WIRE TO BE INSTALLED ABOVE CONDUIT. SEE DETAIL SHEET.
- ALL RUNWAY/TAXIWAY LIGHTING ELECTRICAL CABLES SHALL BE NO. 8, 5KV, FAA L-824, TYPE C, INSTALLED IN CONDUIT UNLESS OTHERWISE NOTED. BOTH CABLES OF A CIRCUIT MAY BE INSTALLED IN THE SAME CONDUIT, CABLES OF DIFFERENT CIRCUITS SHALL BE INSTALLED IN SEPARATE CONDUITS.
- TAXIWAY LIGHTS ARE TO BE INSTALLED 10' BACK FROM EDGE OF PAVEMENT, CABLE IS TO BE INSTALLED 13' BACK FROM EDGE OF PAVEMENT. (UNLESS SPECIFICALLY SHOWN OTHERWISE ON PLANS.)
- GUIDANCE SIGNS ARE TO BE INSTALLED 20' OFF THE TAXIWAY EDGE OF PAVEMENT. FACE OF THE SIGN IS TO BE PERPENDICULAR TO TAXIWAY CENTERLINE. SEE DETAIL SHEET.
- DIRECTION SIGNS ARE TO BE L-858Y, SIZE 1, CLASS 2, STYLE 2. TAXIWAY LOCATION SIGNS ARE TO BE L-858L, SIZE 1, CLASS 2, STYLE 2. RUNWAY HOLD SIGNS ARE TO BE L-858R, SIZE 1, CLASS 2, STYLE 2. SEE DETAIL SHEET.
- EXISTING RUNWAY LIGHTING AND CABLES ARE TO BE ABANDONED AND REMOVED BY OWNER.
- ALL CABLE CONNECTIONS ARE TO FOLLOW FAA L-823 REQUIREMENTS, AND SHALL BE MADE AT THE NEAREST LIGHT OR SIGN.
- ALL AREAS OUTSIDE THE LIMITS OF CONSTRUCTION AS SHOWN ON THE PLANS WHICH ARE DISTURBED BY THE INSTALLATION OF ANY ELECTRICAL ITEM SHALL BE REPAIRED TO ORIGINAL CONDITION, OR BETTER, AT NO COST TO THE OWNER. THIS WORK INCLUDES, BUT IS NOT LIMITED TO, REGRADING, SEEDING, MULCHING, AND FERTILIZER, AND IS TO BE SUBSIDIARY TO ITEM L-108 - CABLE TRENCH.
- NOTE STATION AND OFFSET CALL OUTS ON THE TAXIWAY LIGHTS ARE FROM SURVEY BASELINE, AND NOT FROM TAXIWAY CENTERLINE.
- WIND CONE SHALL BE FAA L-806 (STYLE 1) INTERNALLY LIGHTED, 8 FOOT SIZE.

**OPERATIONAL NOTES**

- RUNWAY 2-20 MUST BE CLOSED DURING WORK WITHIN 5' OF EDGE OF RUNWAY. THIS CONSISTS OF WORK ASSOCIATED WITH PLACEMENT OF THE RUNWAY DUCTS AND ASSOCIATED PAVING. RUNWAY MUST BE RESTORED TO OPERATIONAL CONDITIONS EVERY NIGHT.
- WORK WITHIN 75' OF EDGE OF RUNWAY WILL REQUIRE SPECIAL COORDINATION WITH AIRPORT OPERATIONS THRU DIRECT COMMUNICATION WITH THE AIRPORT MANAGER AND UNICOM MONITORING. THE CONTRACTOR WILL BE REQUIRED TO REMOVE EQUIPMENT FROM THIS AREA WITHIN A 15 MINUTE NOTICE FROM THE AIRPORT MANAGER TO ENABLE ARRIVING AND DEPARTING AIRCRAFTS TO OPERATE. THIS WORK SHALL CONSIST OF PLACEMENT OF RUNWAY LIGHTS, SIGNS AND DRAINAGE STRUCTURES.
- WORK ADJACENT TO AND ON TAXIWAYS SHALL BE LIMITED TO ONE TAXIWAY SEGMENT AT A TIME. CLOSURE OF TAXIWAYS E AND F SHALL BE LIMITED TO THE VERY MINIMUM TIME.
- NOTICE TO AIRMEN (NOTAM'S) MUST BE ISSUED BY THE AIRPORT MANAGER PRIOR TO STARTING EACH NEW PHASE. NOTAM'S MUST BE ISSUED AT LEAST 48 HOURS IN ADVANCE OF ANY AIRPORT STATUS CHANGE. THERE CAN BE NO EXCEPTIONS. THE CONTRACTOR SHALL BE REQUIRED TO COORDINATE WITH THE RESIDENT ENGINEER AND THE AIRPORT MANAGER.
- THE CONTRACTOR WILL BE REQUIRED TO SUBMIT AND ABIDE BY A SCHEDULE OF WORK APPROVED BY THE ENGINEER PRIOR TO STARTING ANY CONSTRUCTION. ANY PROPOSED DEVIATION FROM THIS SCHEDULE WILL REQUIRE ANOTHER SUBMISSION AND APPROVAL PRIOR TO ANY CHANGE.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR SUPPLYING AND PLACING "X" S ON THE RUNWAY NUMERALS TO SIGNIFY RUNWAY CLOSURE. SEE SHEET 5 OF 14 FOR REQUIRED MARKING DIMENSIONS.

**LEGEND**

- (A) PROPOSED TAXIWAY DESIGNATION
- (2-20) PROPOSED HOLD SIGN
- (B) PROPOSED TAXIWAY LOCATION SIGN
- (C) PROPOSED RUNWAY EXIT/TAXIWAY DIRECTION SIGN
- PROPOSED RUNWAY END IDENTIFICATION LIGHT (REIL)
- PROPOSED PRECISION APPROACH PATH INDICATOR (PAPI)
- PROPOSED RUNWAY EDGE LIGHT
- PROPOSED TAXIWAY EDGE LIGHT
- PROPOSED RUNWAY END LIGHT
- PROPOSED DUCT MARKER
- RUNWAY LIGHTING CIRCUIT
- TAXIWAY LIGHTING CIRCUIT
- WIND CONE LIGHTING CIRCUIT



- TP-1 TEST PIT (LOCATION APPROXIMATE)
- TP 1,4,6,16 0'-1' LOAMY SAND, 1'-3' SHALE LEDGE
- TP 2,3,10,11,12,14 0'-3' LOAMY SAND, LARGE COBBLES
- TP 5,7,13,15,17,18,20,21 0'-3' LOAMY SAND
- TP 8,9,19 0'-3' LOAMY SAND, SMALL COBBLES

**LIGHTING AND ELECTRICAL SITE PLAN**  
OF  
**CALEDONIA COUNTY STATE AIRPORT**  
PREPARED FOR  
**VERMONT AGENCY OF TRANSPORTATION**

SCALE: 1" = 100'	DATE: NOVEMBER 1994
DESIGNED BY: JDB, CFL	
DRAWN BY: MSP, SJR	
CHECKED BY: JAA	
APPROVED BY: DAF	ROUTE 66 PROFESSIONAL PLAZA RANDOLPH, VERMONT (802) 728-3376 SHEET 3 OF 14 JOB NO. N12603

**KEYED NOTES**

- 1. ELECTRICAL EQUIPMENT SHALL BE SECURELY MOUNTED ON 3/4" P.T. PLYWOOD BACKBOARD, PAINTED RED.
- 2. EXISTING 200A PANEL BOARD IN HANGAR (HP), REFEED FROM NEW SERVICE ENTRANCE AS INDICATED.
- 3. INSTALL NEW 120V, CIRCUIT (2-#12, 1-#12G, 1/2"C). CONNECT TO UNUSED 20A-1P CIRCUIT BREAKER IN HANGER PANEL OR PROVIDE NEW CIRCUIT BREAKER TO MATCH EXISTING AS REQUIRED.
- 4. TO CONTROL PANEL IN FRONT OFFICE.
- 5. FEED THE RUNWAY LIGHTING CONTROL PANEL, RADIO CONTROL UNIT, AND AUXILIARY RELAY CONTROL CABINET FROM THE OFFICE POWER PANEL WITH (2-#12, 1-#12G, 1/2"C). PROVIDE NEW 20AMP-1P CIRCUIT BREAKER TO MATCH EXISTING PANEL.
- 6. CONTROL WIRING TO THE 7 1/2 KW CONSTANT CURRENT REGULATORS, CONTACTOR PHOTO CELL, ETC.
- 7. REMOTE ANTENNA SHALL BE MOUNTED ON THE OUTSIDE OF THE EXISTING HANGAR (AS INDICATED) IN A MANNER NOT TO INTERFERE WITH EXISTING STRUCTURES AND DEVICES SUCH THAT ANTENNA LEAD-IN CABLE (SUPPLIED AS PART OF THE RADIO CONTROL UNIT) DOES NOT EXCEED SOFT. FIELD VERIFY LOCATION WITH AIRPORT MANAGER.
- 8. INSTALL SCHEDULE 80 4" CONDUIT, ENCASED IN CONCRETE, BELOW ROAD, SEE DETAIL SHEET.
- 9. END OF METAL CONDUIT, BOND TO COUNTERPOISE.

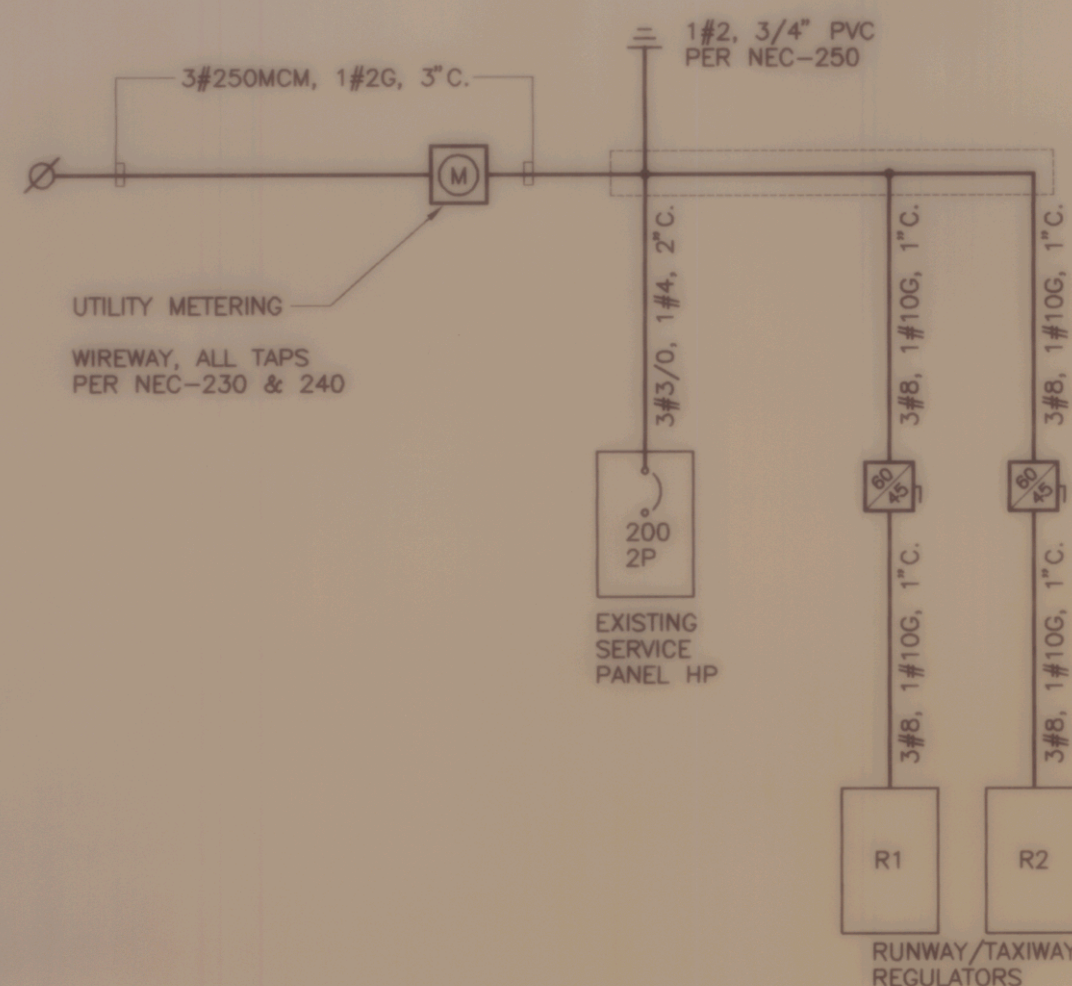
**ELECTRICAL LEGEND**

- Ⓚ ALARM BELL - TEL=TELEPHONE, SEW=SEWAGE PUMP STATION
- Ⓛ CONTACTOR, MH=6"-0" TO TOP
- Ⓜ AUTO-TRANSFORMER, MH=6"-0" TO TOP
- S SINGLE POLE SWITCH W/ PILOT, LEVITON #5336-1 OR EQUIVALENT, MH=4"-0"
- Ⓛ DUPLEX RECEPTACLE (20A, 125 VOLTS), LEVITON #5896-1 OR EQUIVALENT, MH=3"-0" TO TOP
- Ⓛ LAMPHOLDER, LEVITON KEYLESS #9875 OR EQUIVALENT
- Ⓛ PHOTO CELL
- Ⓛ CONTROL PANEL INDICATOR LIGHT
- UG UNDERGROUND WIRING
- 200A-2P CIRCUIT BREAKER, TRIP AMPS AND POLES INDICATED
- Ⓛ FUSED SWITCH, FUSE AMPS/FRAME SIZE INDICATED
- HP EXISTING PANELBOARD, 120/240V, 1PH, 3W.

NOTE: ANY SYMBOL DRAWN DASHED INDICATES EXISTING EQUIPMENT.

**GENERAL NOTES**

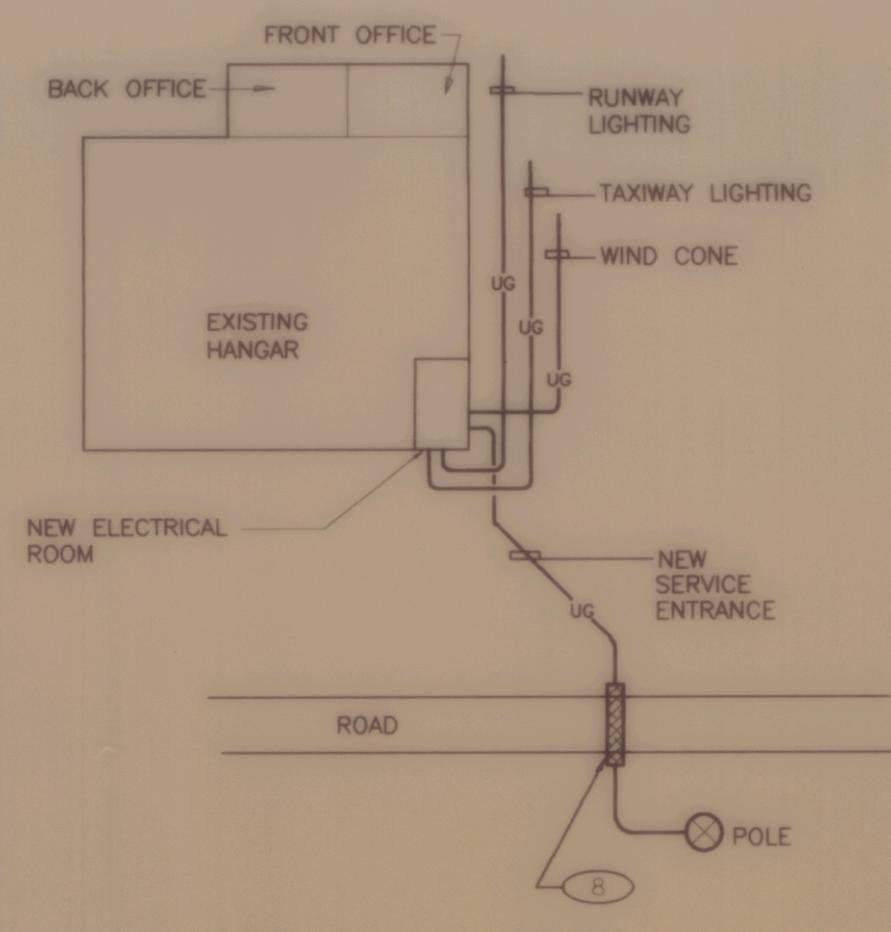
1. WALL MOUNT CONTROL PANEL (L-821) FIELD VERIFY LOCATION WITH AIRPORT MANAGER PRIOR TO ROUGH-IN.
2. RADIO CONTROL UNIT (L-854) FIELD VERIFY LOCATION WITH AIRPORT MANAGER PRIOR TO ROUGH-IN.
3. COORDINATE WITH ELECTRIC UTILITY FOR NEW METERING REQUIREMENTS AND SERVICE ENTRANCE HOOK-UP.
4. ALL CONDUIT SHALL BE SCHEDULE 40 PVC, UNLESS OTHERWISE NOTED.
5. RADIO CONTROL UNIT (L-854), CUMULATIVE MODE OF PULSES -3, -5, AND -7 FOR CONTROLLING RUNWAY LIGHT BRIGHTNESS, 10, 30, 100 RESPECTIVELY. ONLY ONE BRIGHTNESS OUTPUT SHALL BE ENERGIZED AT ONE TIME.
6. RELOCATE THE TELEPHONE BELL AND THE SEWER ALARM, ON EXISTING HANGER PANEL BACKBOARD, TO NEW LOCATION AS INDICATED. VERIFY EXACT LOCATION WITH AIRPORT MANAGER.
7. SECURELY MOUNT THE RADIO CONTROL UNIT AND THE RUNWAY LIGHTING CONTROL PANEL TO THE WALL, IF NECESSARY USE A 3/4" P.T. PLYWOOD BACKBOARD, PAINTED GRAY.
8. ELECTRICAL CONTRACTOR SHALL VISIT SITE PRIOR TO SUBMITTING HIS BID TO VERIFY ALL EXISTING CONDITIONS AFFECTING HIS WORK.
9. ALL INSTALLATIONS AND REMOVALS SHALL BE ACCOMPLISHED IN A NEAT AND WORKMAN LIKE MANNER.
10. INSTALL EQUIPMENT AND DEVICES PER MANUFACTURERS REQUIREMENTS AND COMPLY WITH THE 1993 NEC.
11. ELECTRICAL CONTRACTOR SHALL TEST ALL EQUIPMENT AND DEVICES HE INSTALLS FOR PROPER OPERATION. HE SHALL SUBMIT A NOTORIZED LETTER TO THE ENGINEER AND OWNER CONFIRMING PROPER OPERATION OF EQUIPMENT AND DEVICES.
12. LOCATE L-828 CONSTANT CURRENT REGULATORS A MINIMUM OF 6" FROM THE WALL.
13. MAINTAIN EXISTING SERVICE TO PANEL BOARD HP UNTIL NEW SERVICE IS COMPLETE AND ENERGIZED. COORDINATE SERVICE INTERRUPTION WITH AIRPORT MANAGER AT LEAST 1 WEEK PRIOR TO CHANGE OVER.



**ONE LINE DIAGRAM**

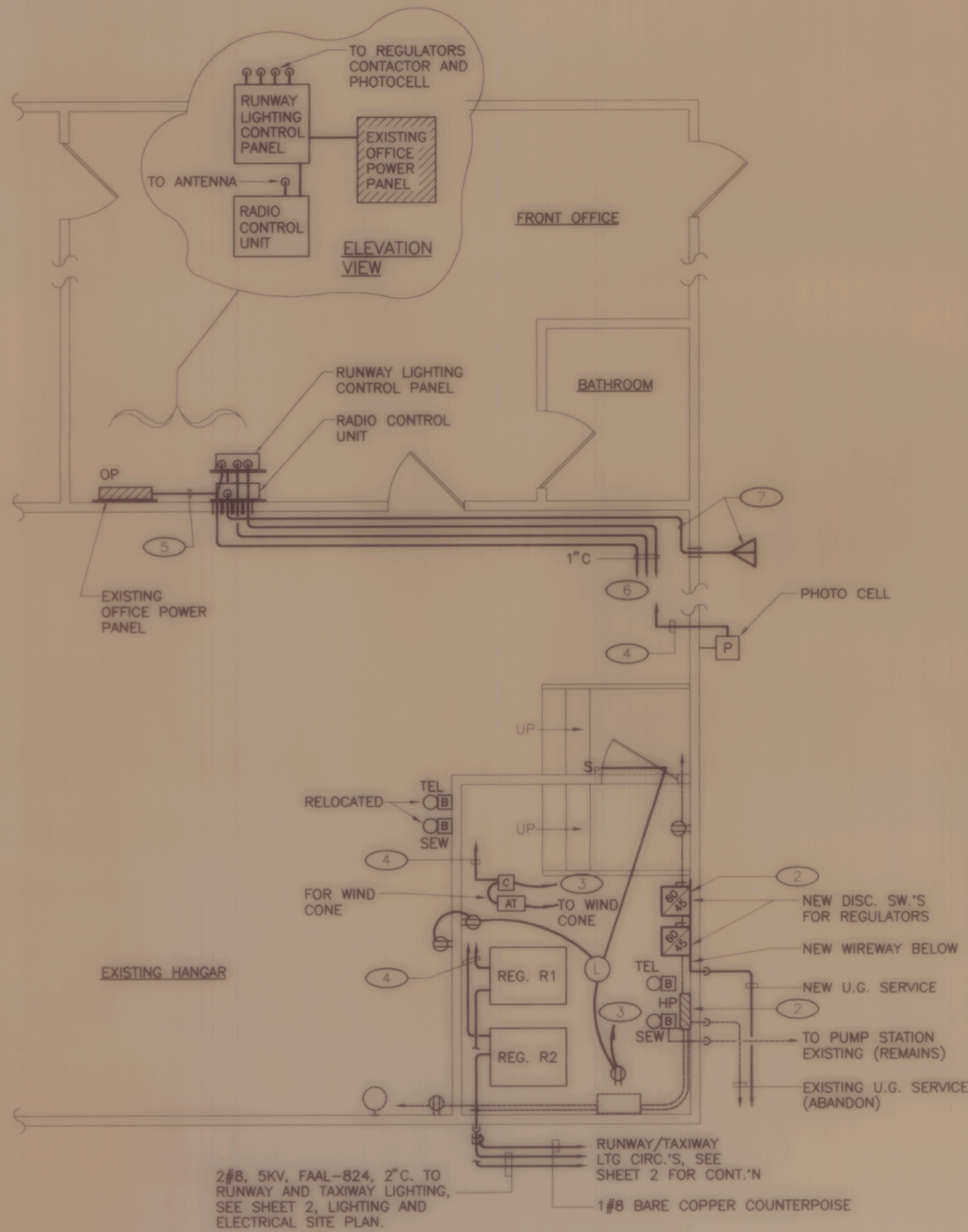
NOT TO SCALE

- NOTES:  
1. ALL CONDUCTORS ARE CU 600V INSULATED EXCEPT BONDING AND GROUND CONDUCTORS MAY BE BARE.



**ELECTRICAL SITE PLAN**

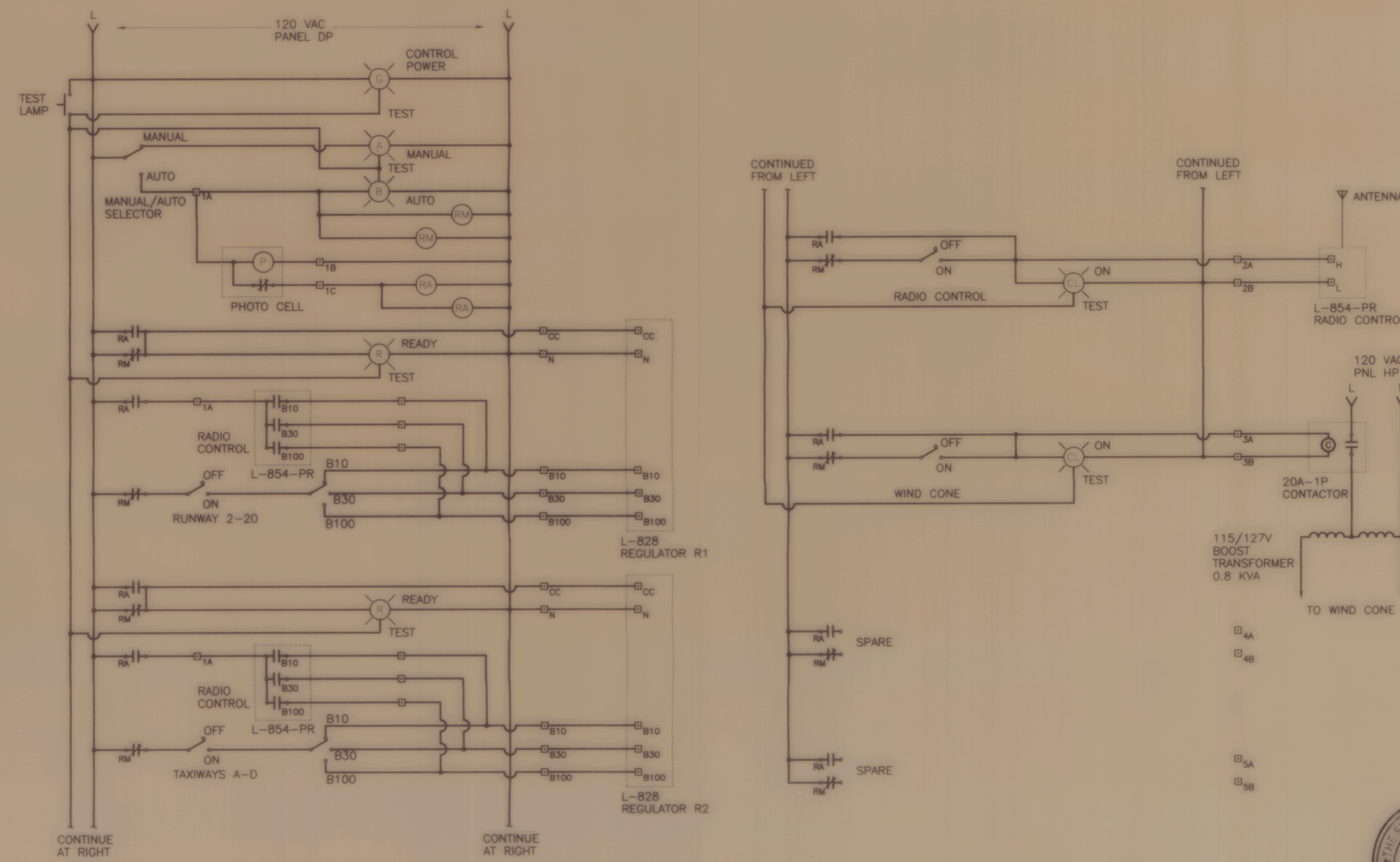
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**ELECTRICAL ROOM FLOOR PLAN**

NOT TO SCALE

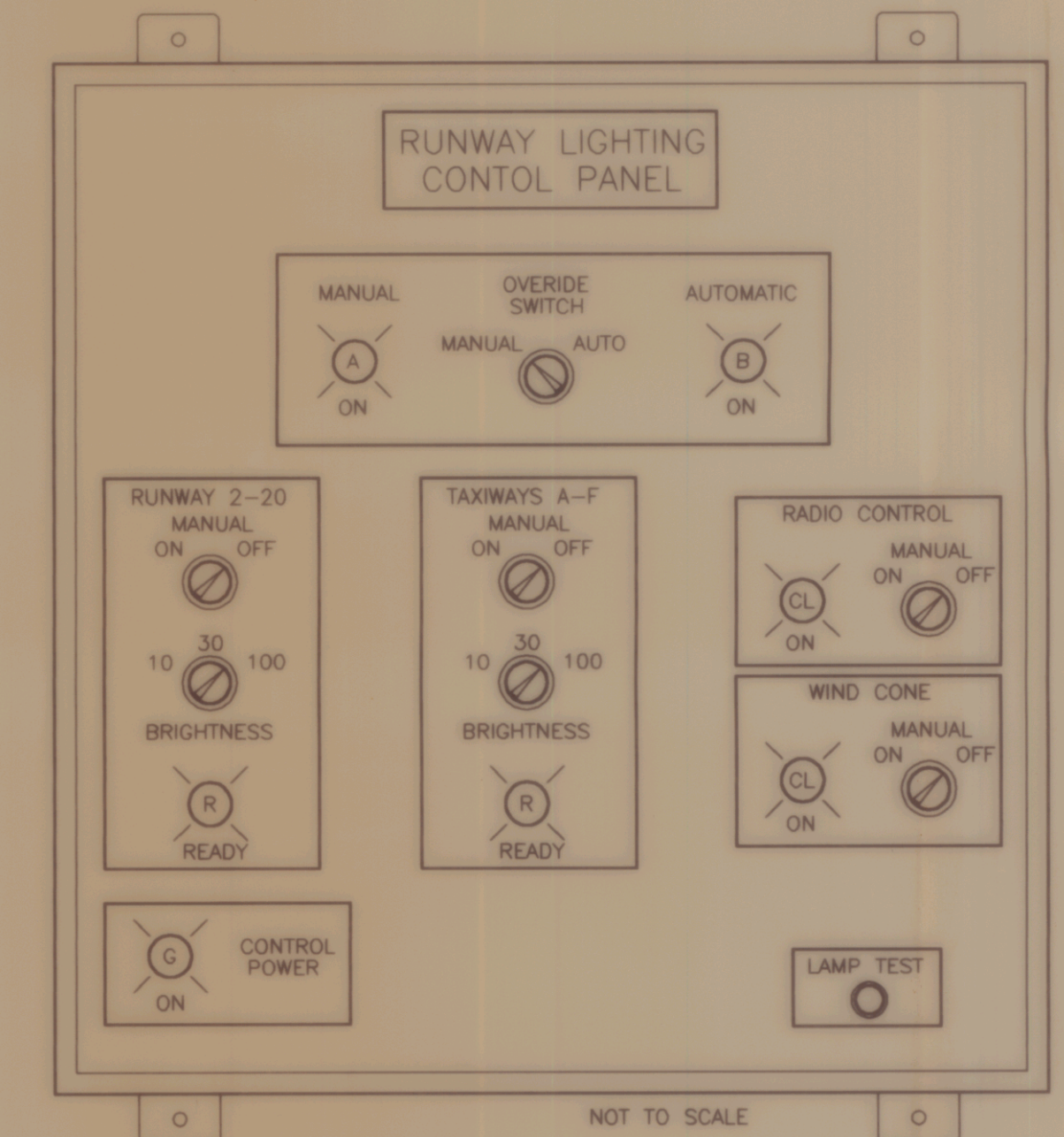
- NOTES:  
1. ALL WIRING IN ELECTRIC ROOM AND HANGER SHALL BE INSTALLED IN METAL RACEWAYS IN ACCORDANCE WITH NEC-513.



**RUNWAY LIGHTING CONTROL ONE-LINE DIAGRAM**

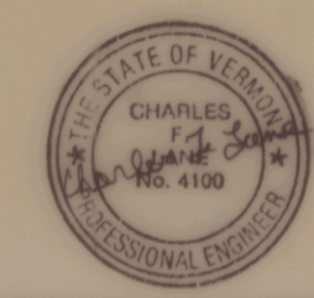
NOT TO SCALE

- NOTES:  
1. BONDING CONDUCTORS ARE NOT SHOWN.  
2. ALL DEVICES ARE LOCATED IN L-821 CONTROL PANEL EXCEPT REMOTE DEVICES DESIGNATED BY Ⓚ.  
3. FIELD WIRING DESIGNATED BY —.  
4. RELAYS RA AND RM ARE 4PDT EACH UNUSED SIDE OF FORM C CONTACTS ARE NOT SHOWN.  
5. L-854 RADIO CONTROL PANEL SHALL HAVE 2 SPST OUTPUT CONTACTS FOR EACH BRIGHTNESS LEVEL. AT CONTRACTORS OPTION PROVIDE SPST OUTPUT CONTACTS IN L-854 RADIO CONTROL PANEL AND 3 Ⓚ DPST RELAYS IN L-821 CONTROL PANEL.



**RUNWAY LIGHTING CONTROL PANEL ELEVATION**

- NOTES:  
1. PILOT LIGHTS, WITH DOMED PLASTIC COVER (COLORS: A=AMBER, B=BLUE, CL=CLEAR, G=GREEN, R=RED).  
2. ALL EQUIPMENT SHALL BE FAA APPROVED FOR USE IN L-821 PANELS FOR REMOTE CONTROL OF AIRPORT LIGHTING AND L-841 AUXILIARY RELAY CABINETS FOR PILOT CONTROL OF AIRPORT LIGHTING CIRCUITS. REFER TO FAA ADVISORY CIRCULARS 150/5345-13A AND 150/5345-3D.  
3. PANEL ENCLOSURES SHALL BE HOFFMAN (OR EQUAL), NEMA TYPE 12, WITH HINGED COVER AND METAL BACK PAN FOR MOUNTING EQUIPMENT. EACH ENCLOSURE SHALL BE CONSTRUCTED OF CODE GUAGE STEEL WITH ANSI #61 GREY BAKED ENAMEL FINISH OVER RUST INHIBITING TREATMENT.  
4. PROVIDE SPARE PARTS AND TOOL CONSISTING OF 6 SPARE LAMPS, 2 SPARE RELAYS, LAMP REMOVAL TOOL AND WRENCH FOR SWITCH/PUSHBUTTON/PILOT LIGHT/LOCKING RINGS.  
5. PROVIDE ENGRAVED LABELS FOR ALL CONTROL SWITCHES AND PILOT LIGHTS AS SHOWN.



**ELECTRICAL PLANS AND DETAILS**  
OF  
**CALEDONIA COUNTY STATE AIRPORT**  
PREPARED FOR  
**VERMONT AGENCY OF TRANSPORTATION**

SCALE : AS NOTED      DATE : FEBRUARY, 1994

DESIGNED BY : CFL  
DRAWN BY : WJP/MSP  
CHECKED BY : JAA  
APPROVED BY : DAF

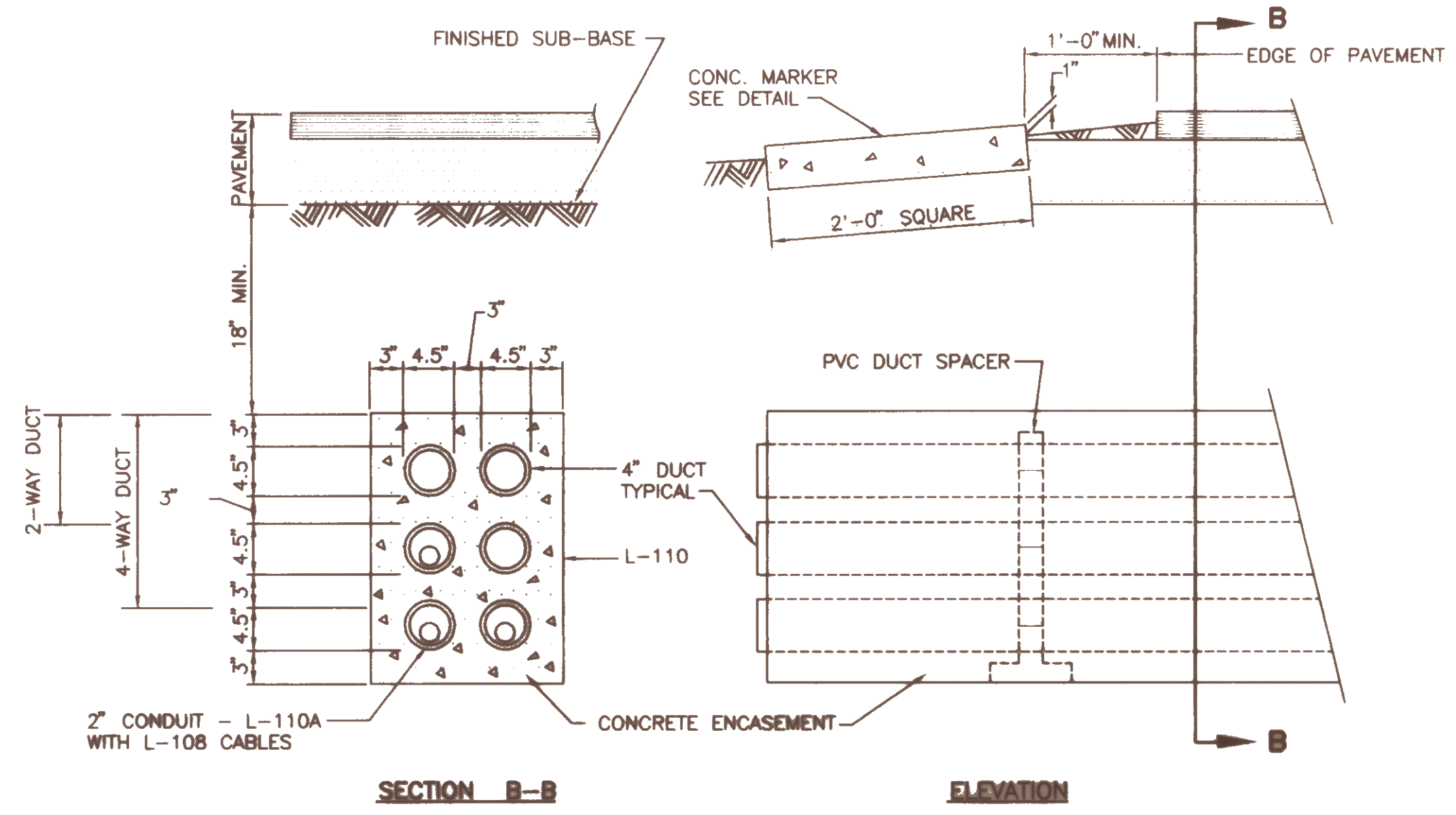
**DuBois & King**  
ROUTE 66 PROFESSIONAL PLAZA  
RANDOLPH, VERMONT  
(802) 788-3376

SHEET 4 OF 14      JOB NO. N12603

NO.	DATE	REVISION

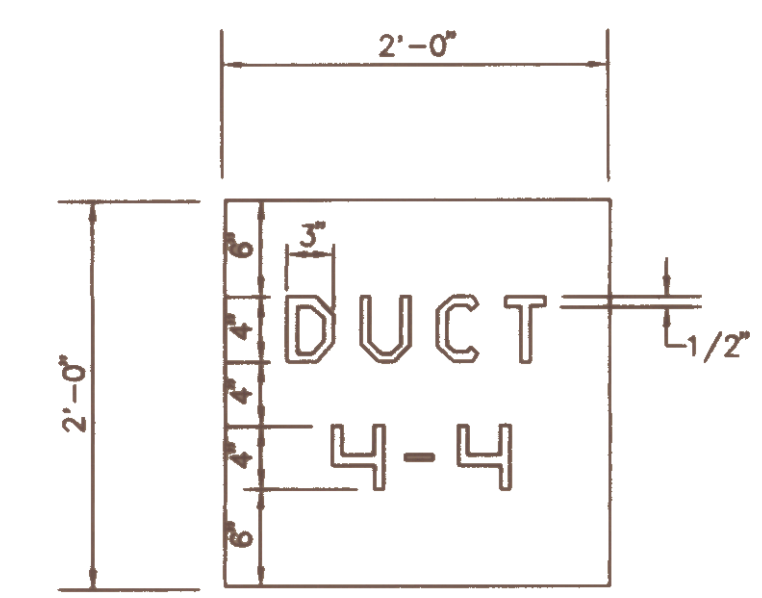
C:\DATA\12603\12603E01.dwg    Tue Feb 24 10:09:17 1995    DUBOIS & KING, INC., RUTLAND, VT

NOTE:  
 1. SLOPE DUCTS 3"/100 FT. FOR DRAINAGE  
 2. PROVIDE FULL NYLON PULL WIRES

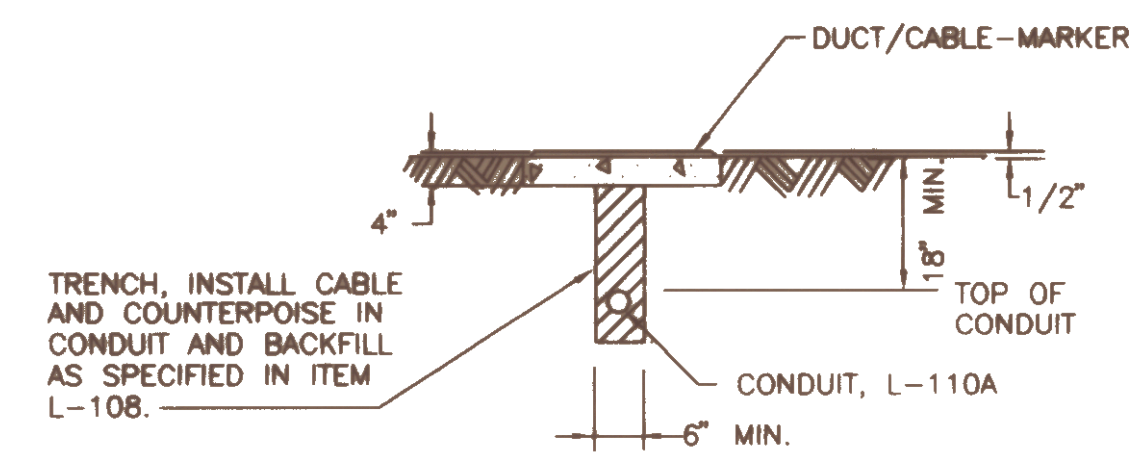


**DUCT (6-WAY) AND CONCRETE MARKER DETAILS**  
 NOT TO SCALE

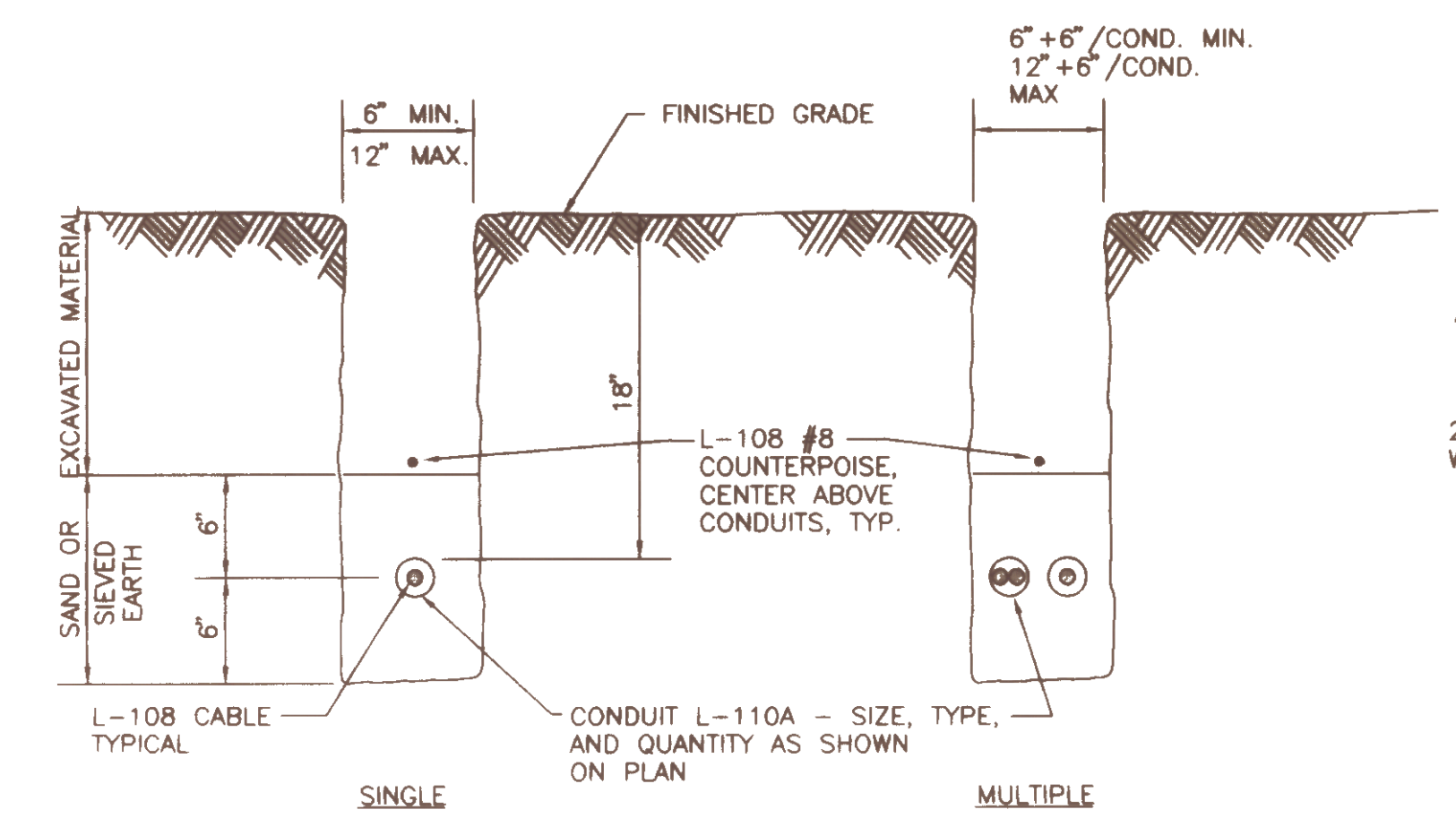
NOTE:  
 PROVIDE PVC DUCT SPACERS AT 5'-0" ON CENTER



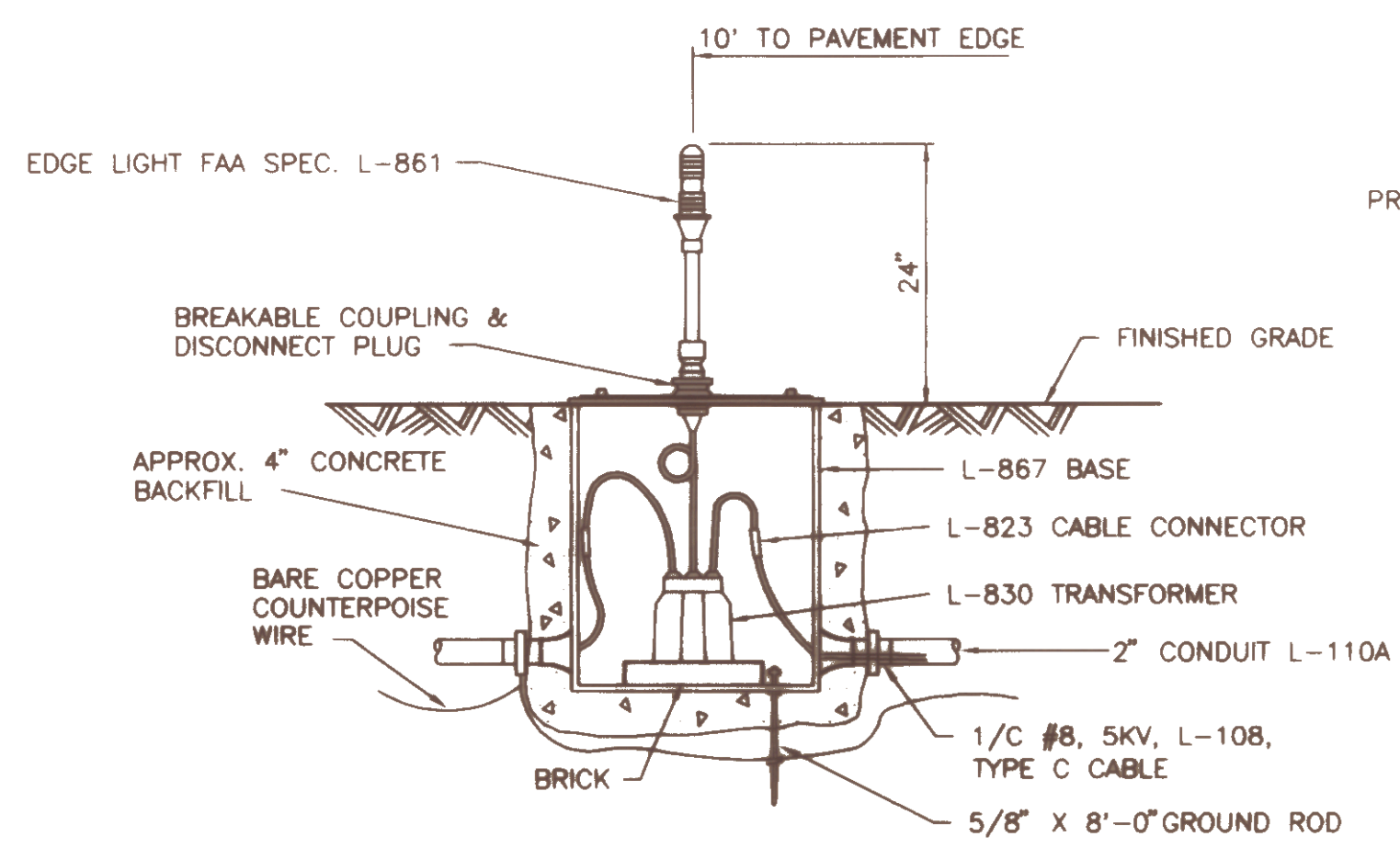
**CONCRETE DUCT MARKER**  
 (CABLE MARKERS ARE SIMILAR)



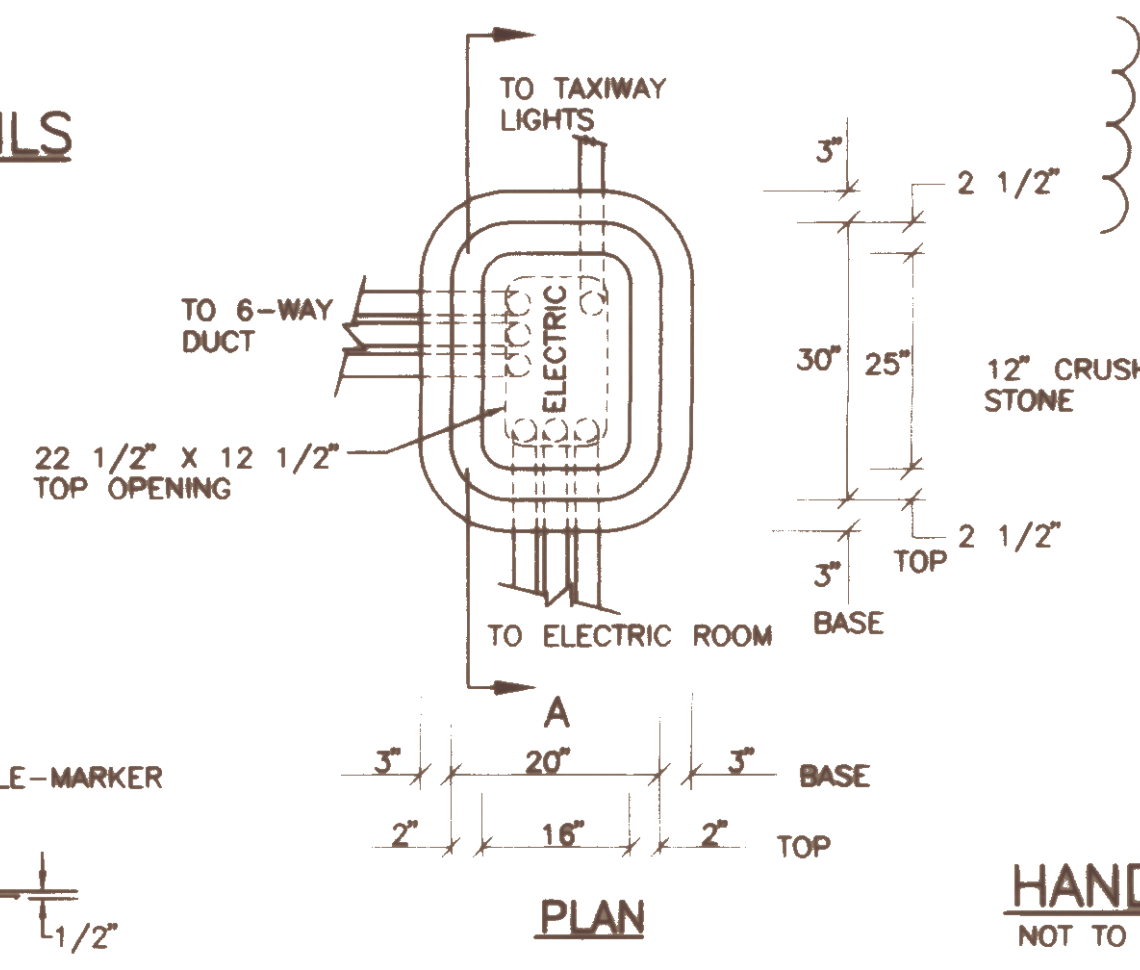
**TYPICAL CABLE/DUCT-MARKER DETAIL**  
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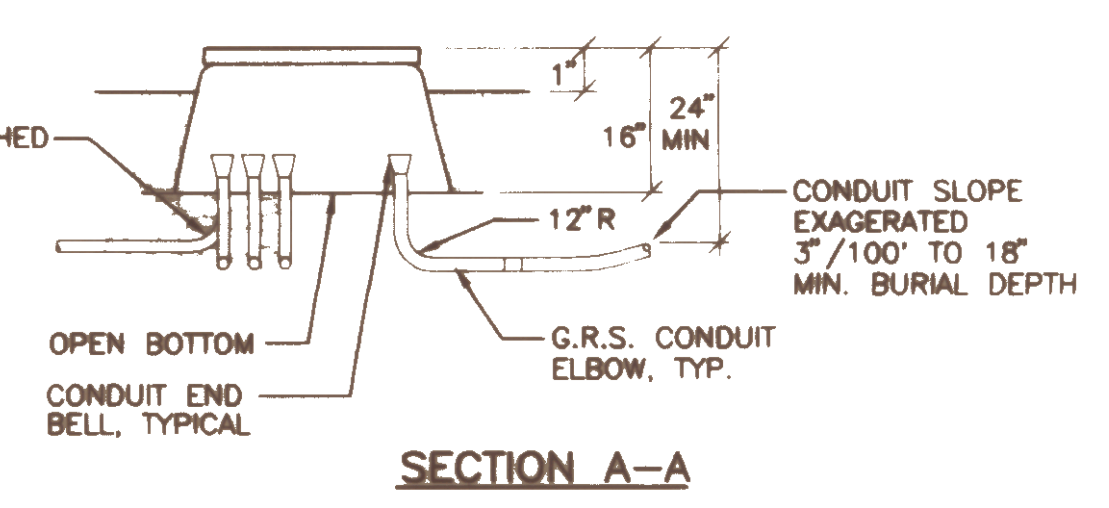
**CONDUIT INSTALLATION DETAILS**  
 NOT TO SCALE



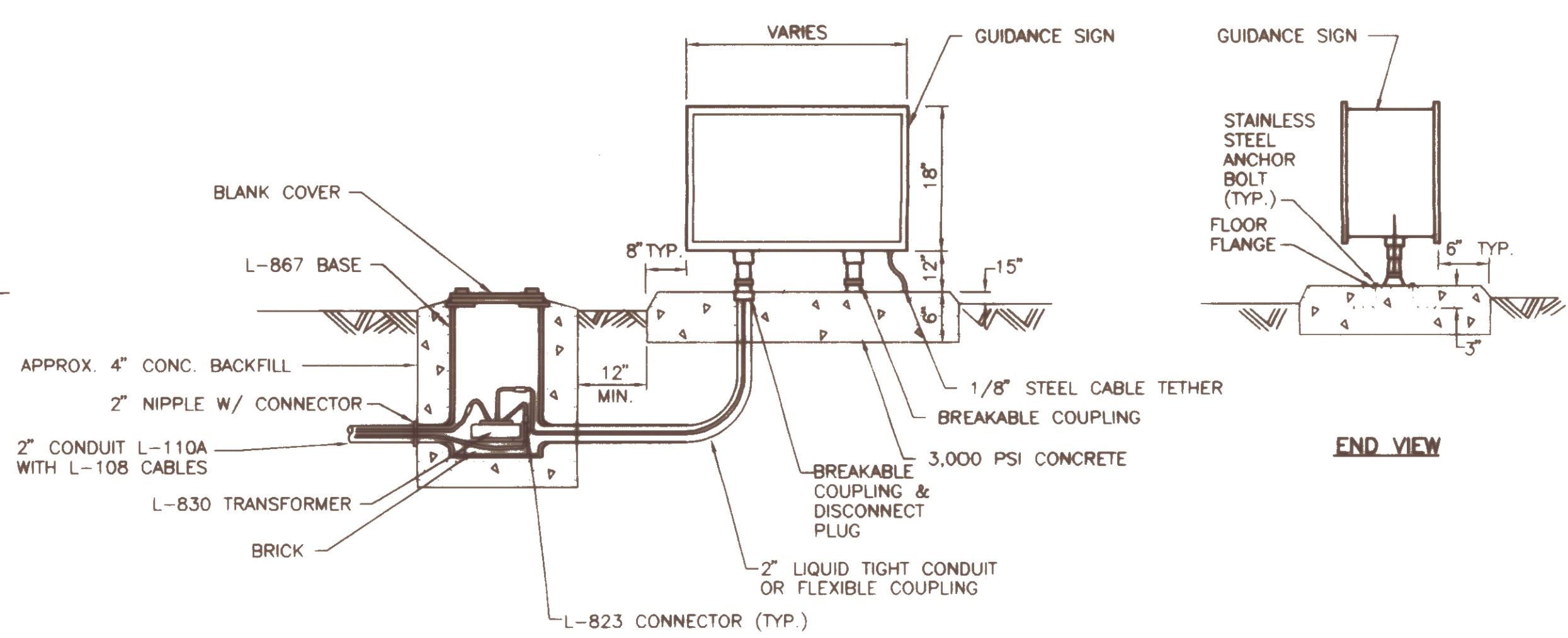
**BASE MOUNTED SERIES CIRCUIT**  
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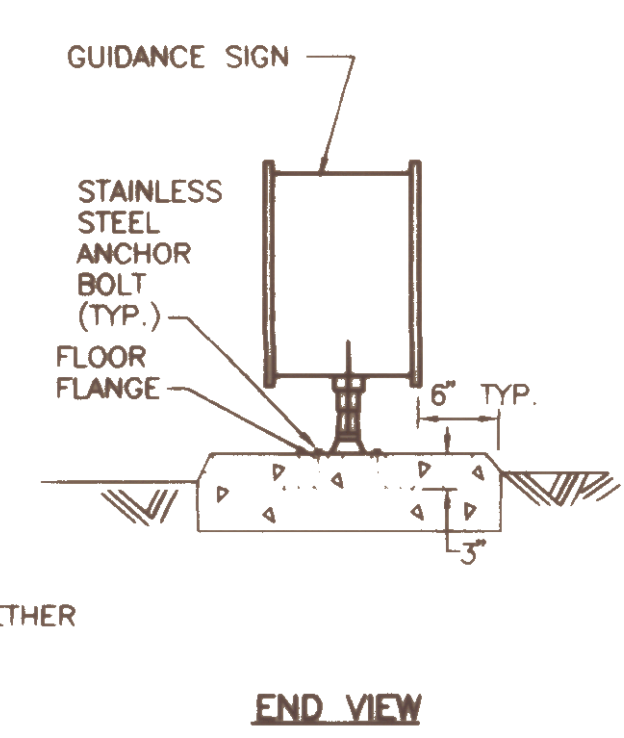
**HANDHOLE DETAILS**  
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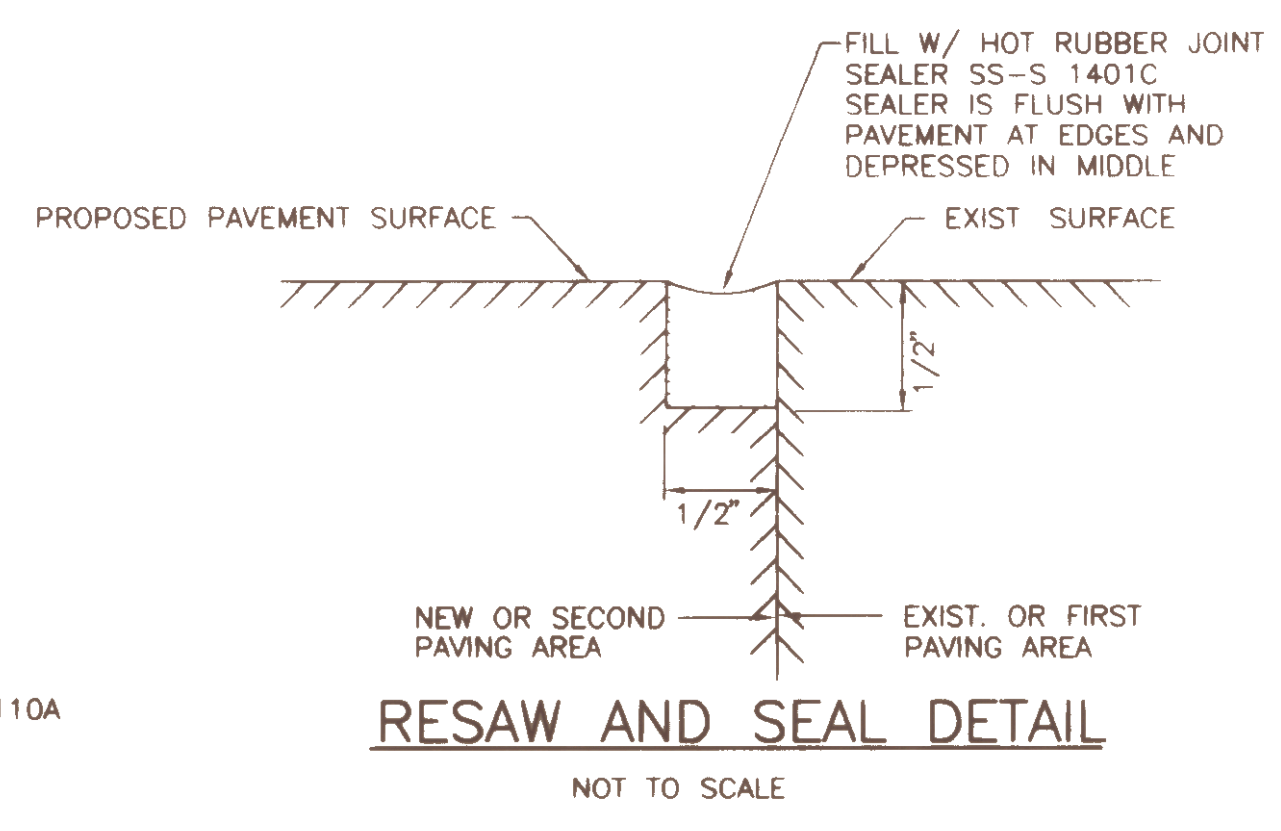
**SECTION A-A**



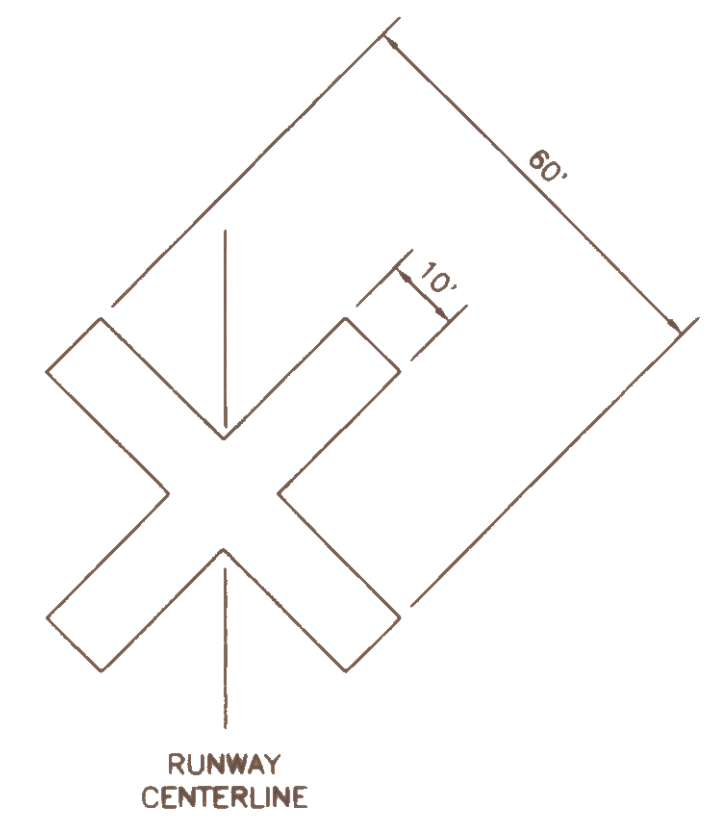
**GUIDANCE SIGN DETAIL**  
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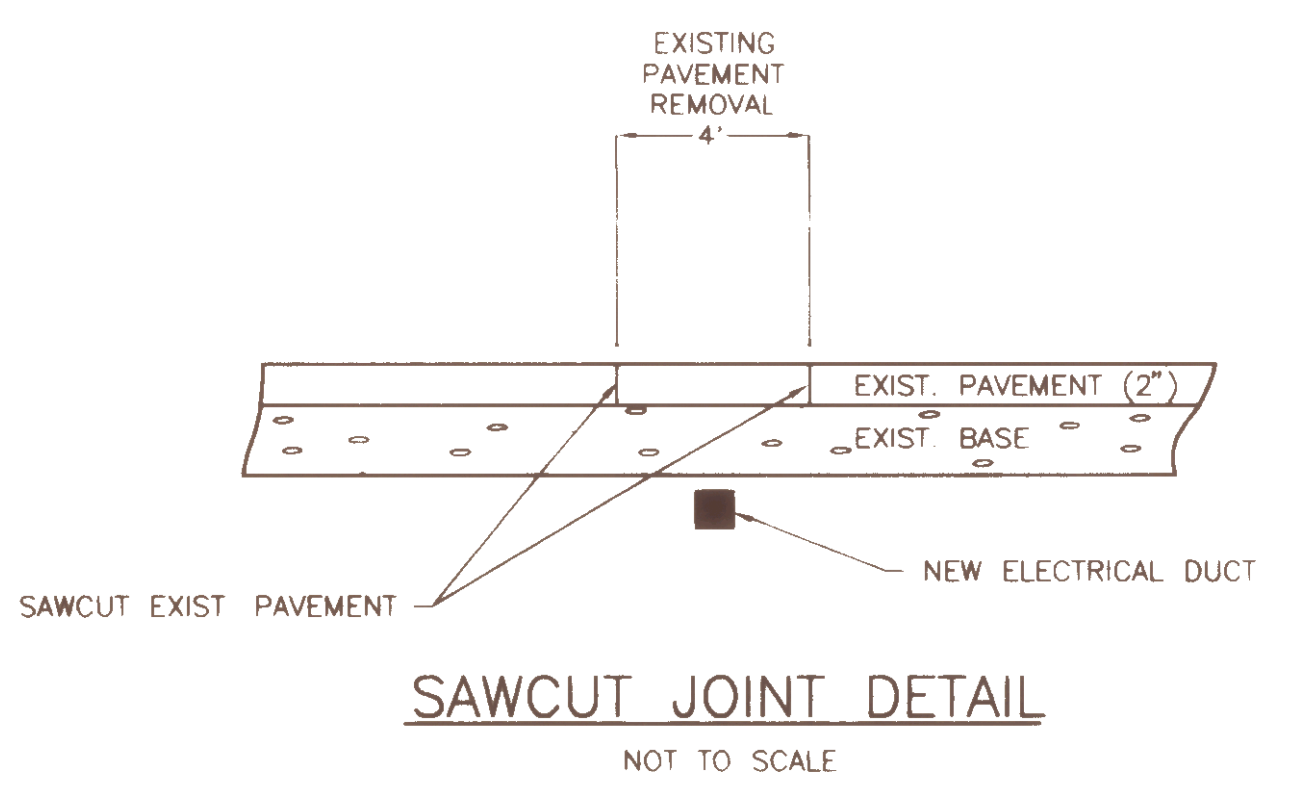
**END VIEW**



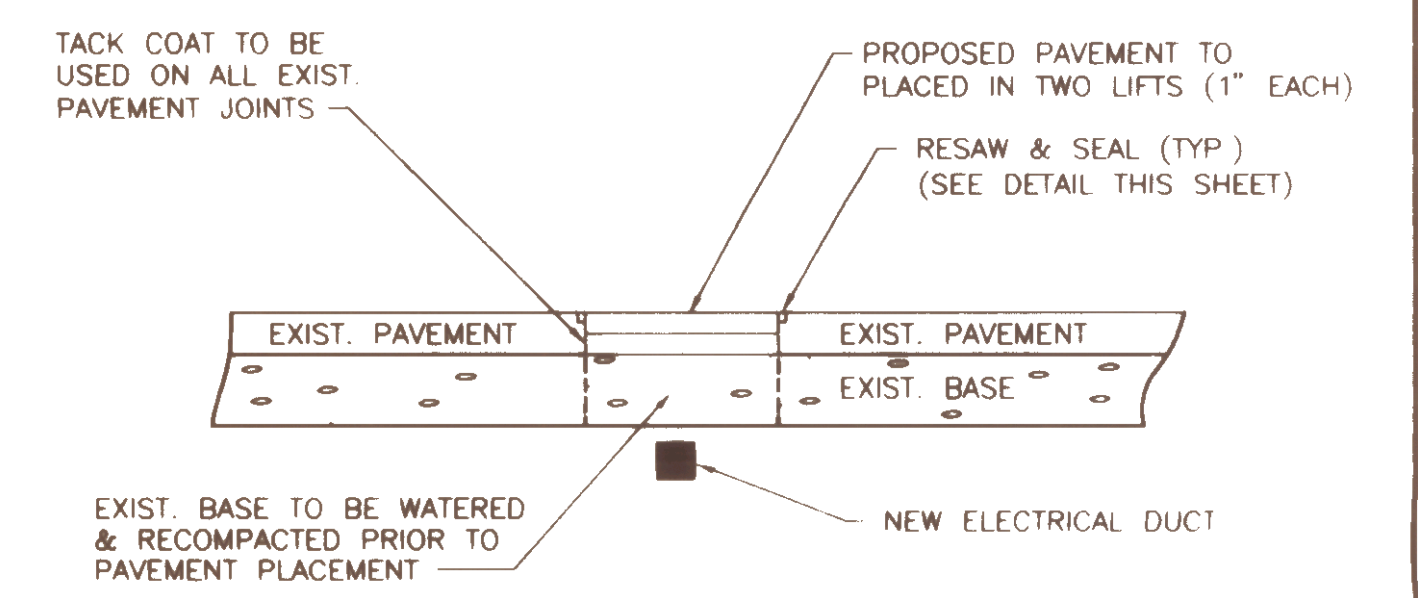
**RESAW AND SEAL DETAIL**  
 NOT TO SCALE



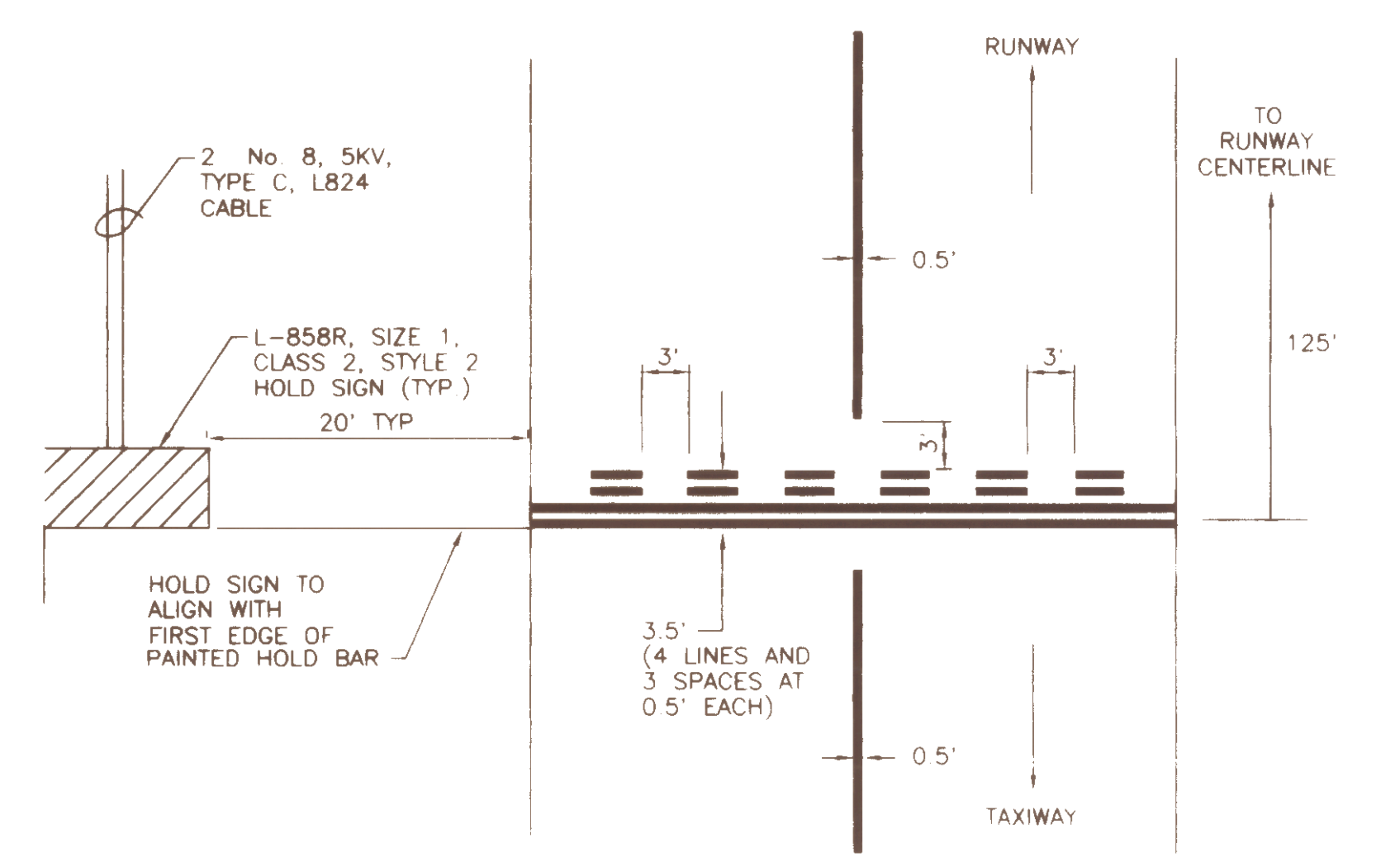
**CLOSED RUNWAY MARKINGS**  
 NOT TO SCALE



**SAWCUT JOINT DETAIL**  
 NOT TO SCALE



**PAVEMENT REPAIR DETAIL**  
 NOT TO SCALE

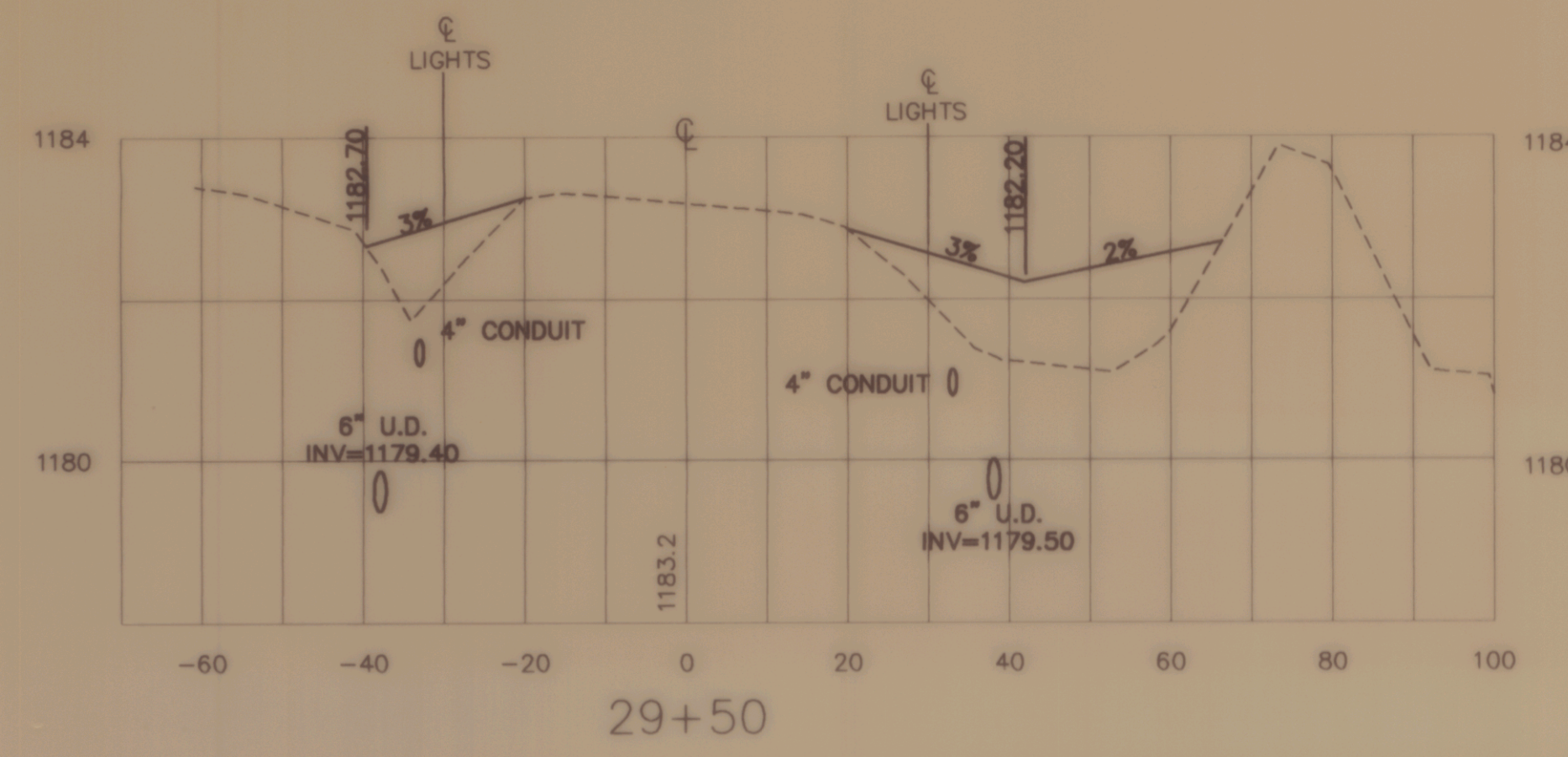
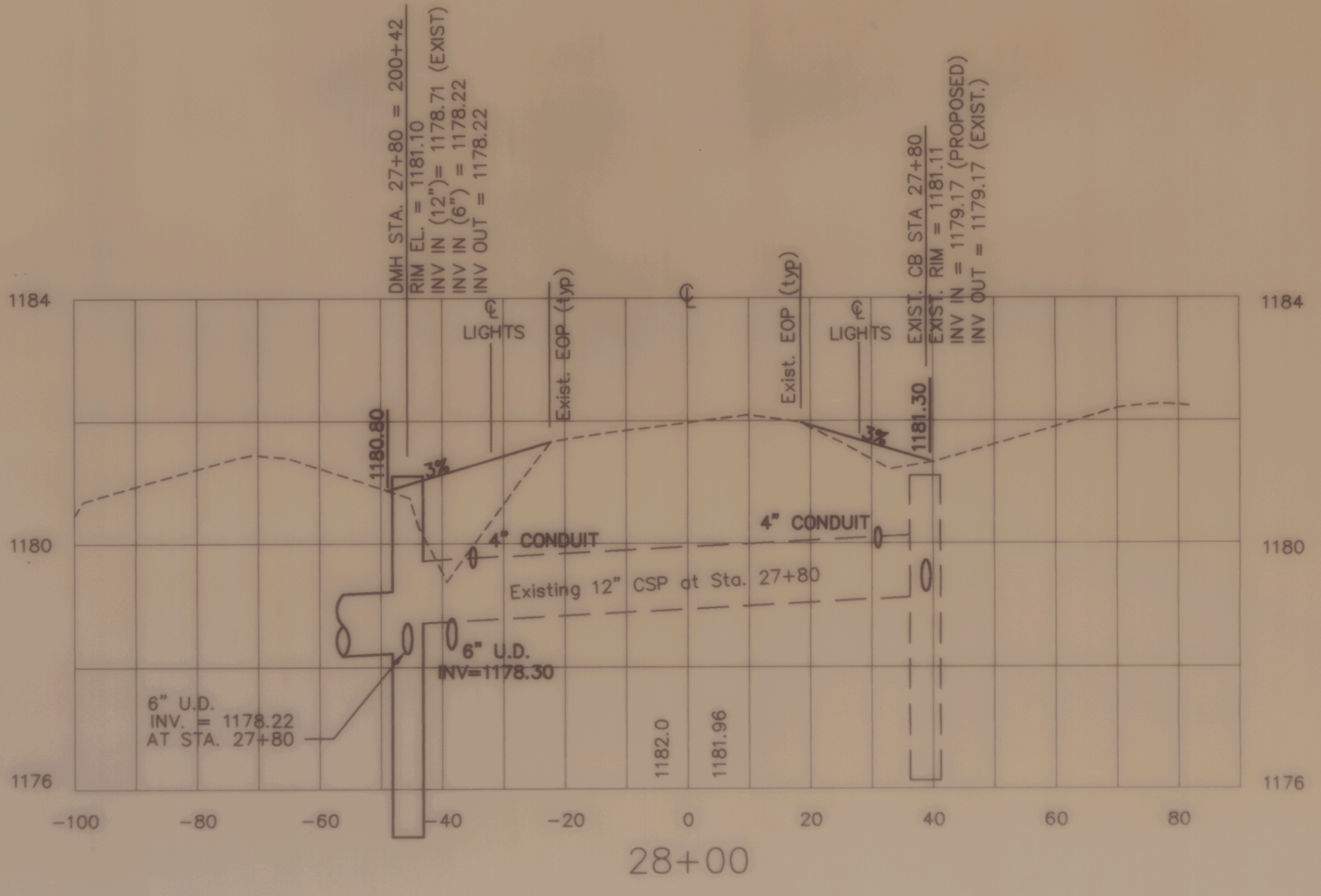
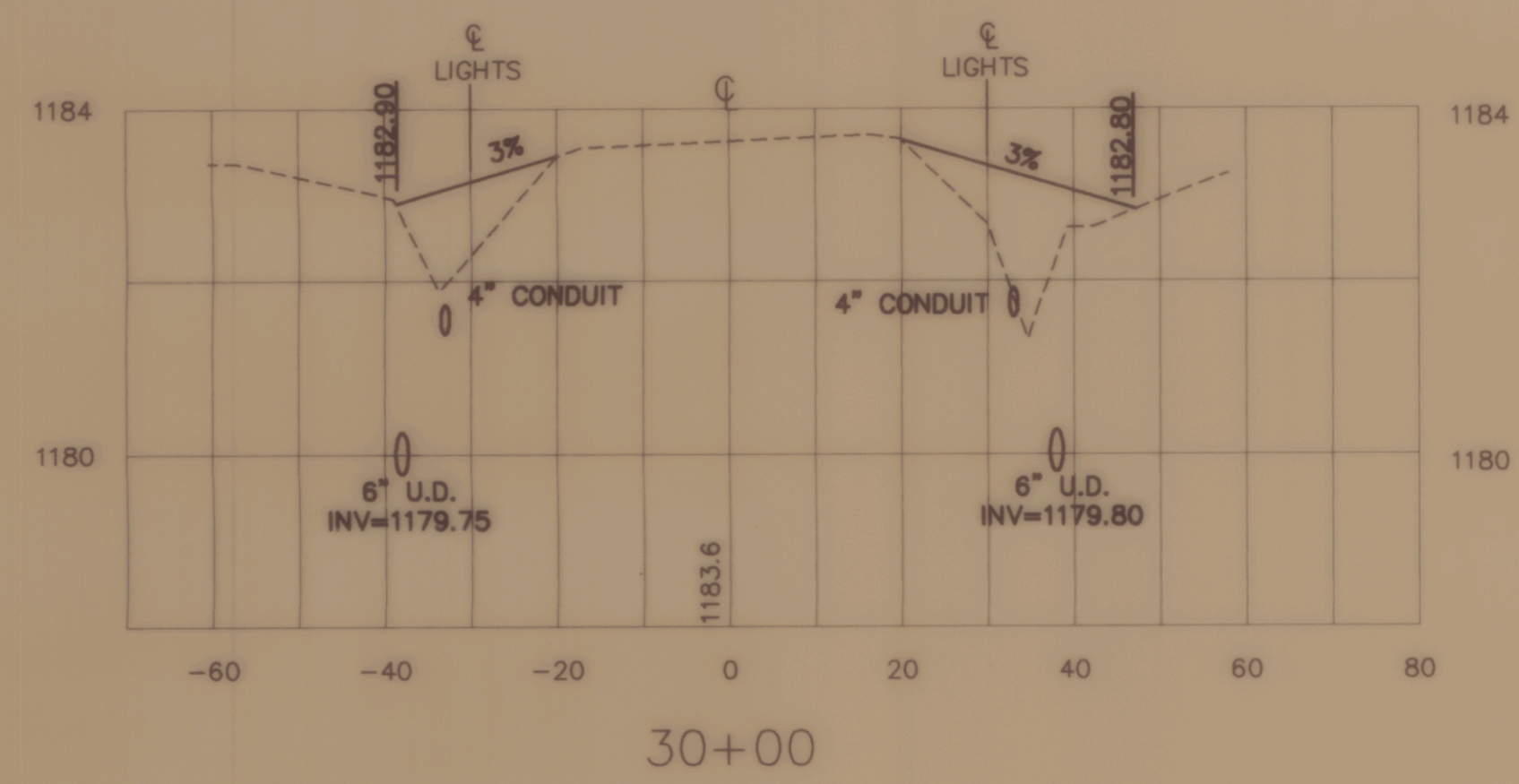
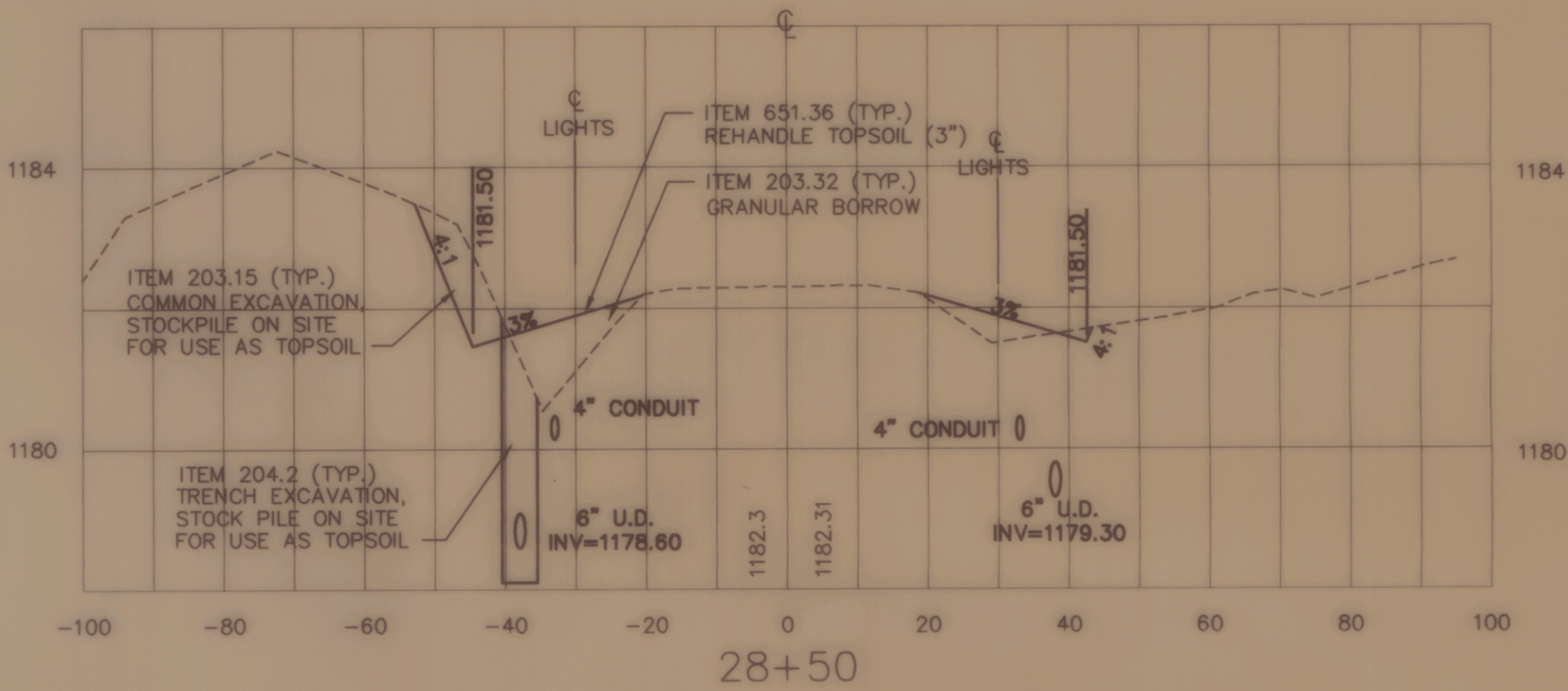
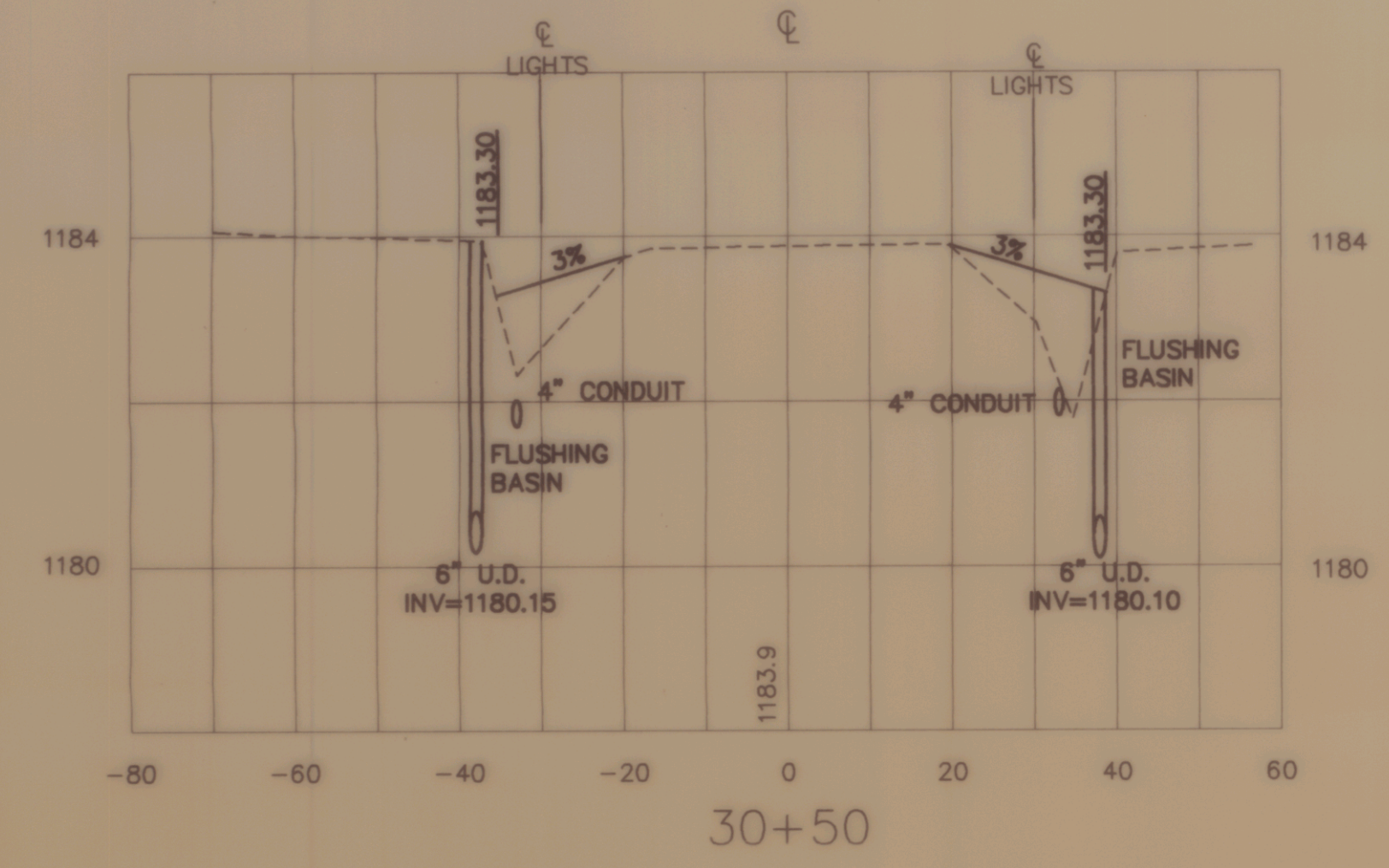
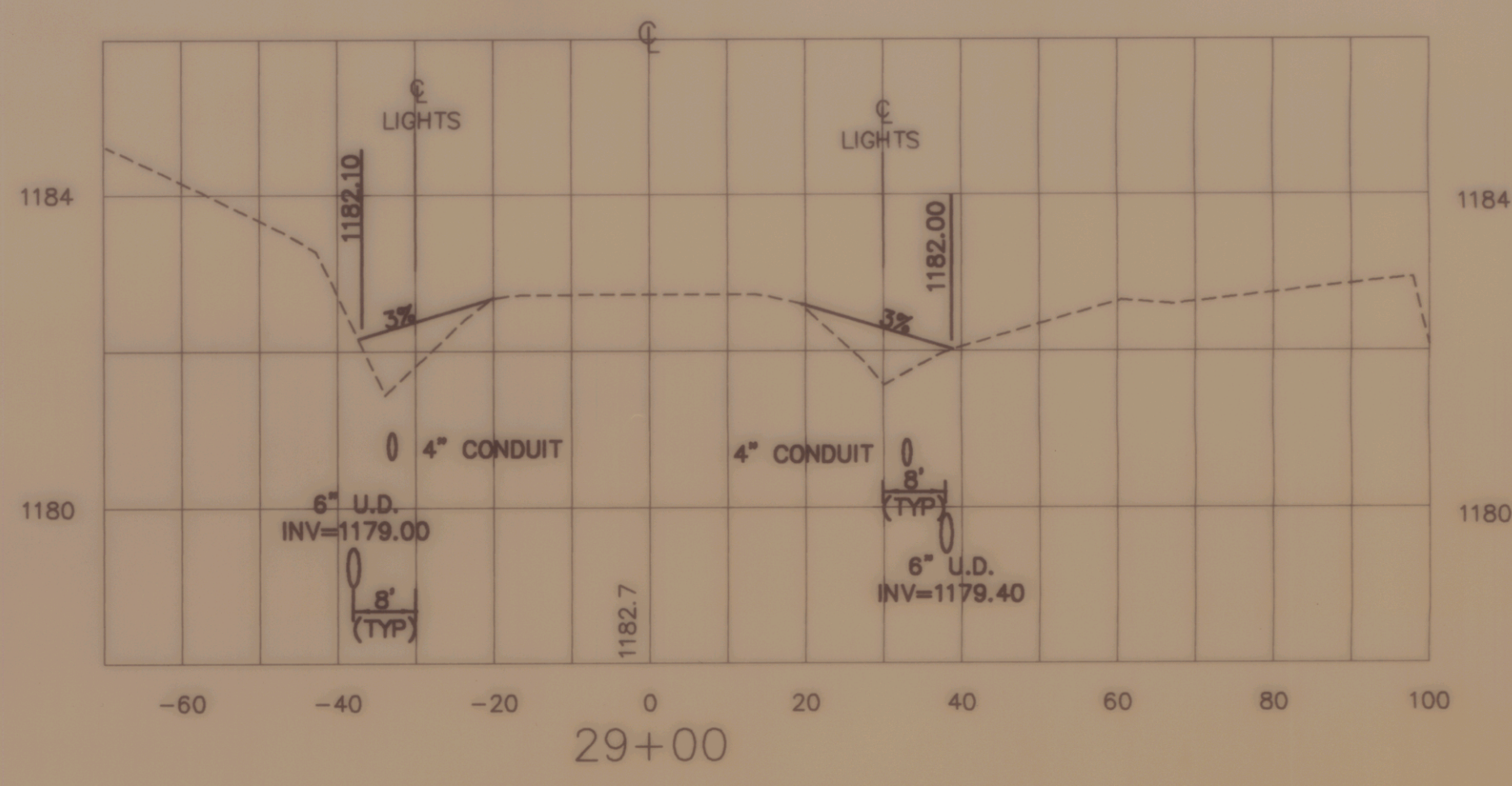


**HOLD SIGN LAYOUT AND HOLD BAR DETAIL**  
 NOT TO SCALE

LIGHTING DETAILS	
OF <b>CALEDONIA COUNTY STATE AIRPORT</b> PREPARED FOR <b>VERMONT AGENCY OF TRANSPORTATION</b>	
SCALE AS NOTED	DATE FEBRUARY, 1994
DESIGNED BY JAA	
DRAWN BY MSP	
CHECKED BY JAA	
APPROVED BY JAA	ROUTE 66 PROFESSIONAL PLAZA RANDOLPH, VERMONT (802) 728-1110

NO.	DATE	REVISION





NO.	DATE	REVISION

**CROSS SECTIONS OF TAXIWAY A**  
OF  
**CALEDONIA COUNTY STATE AIRPORT**  
PREPARED FOR  
**VERMONT AGENCY OF TRANSPORTATION**

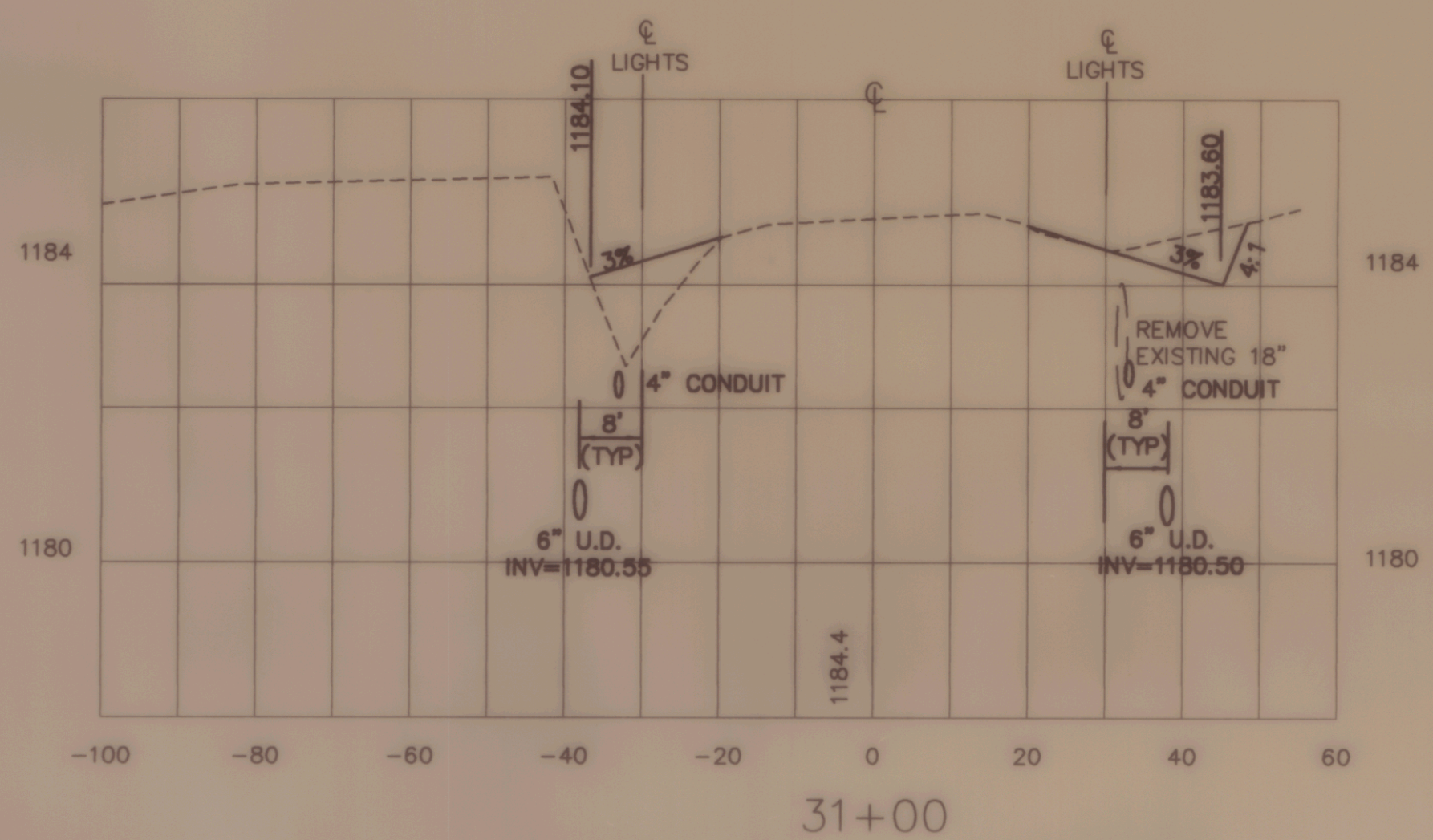
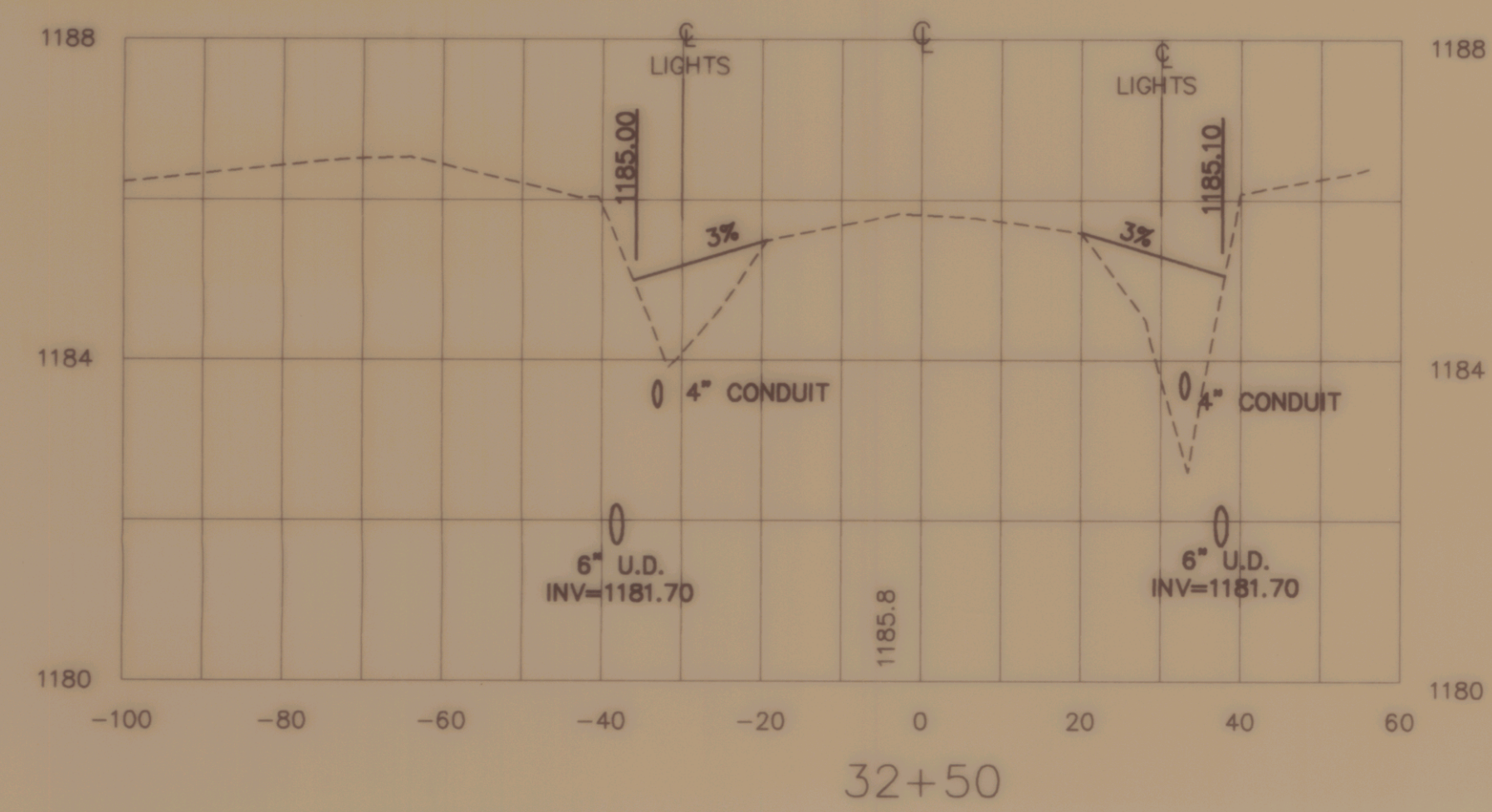
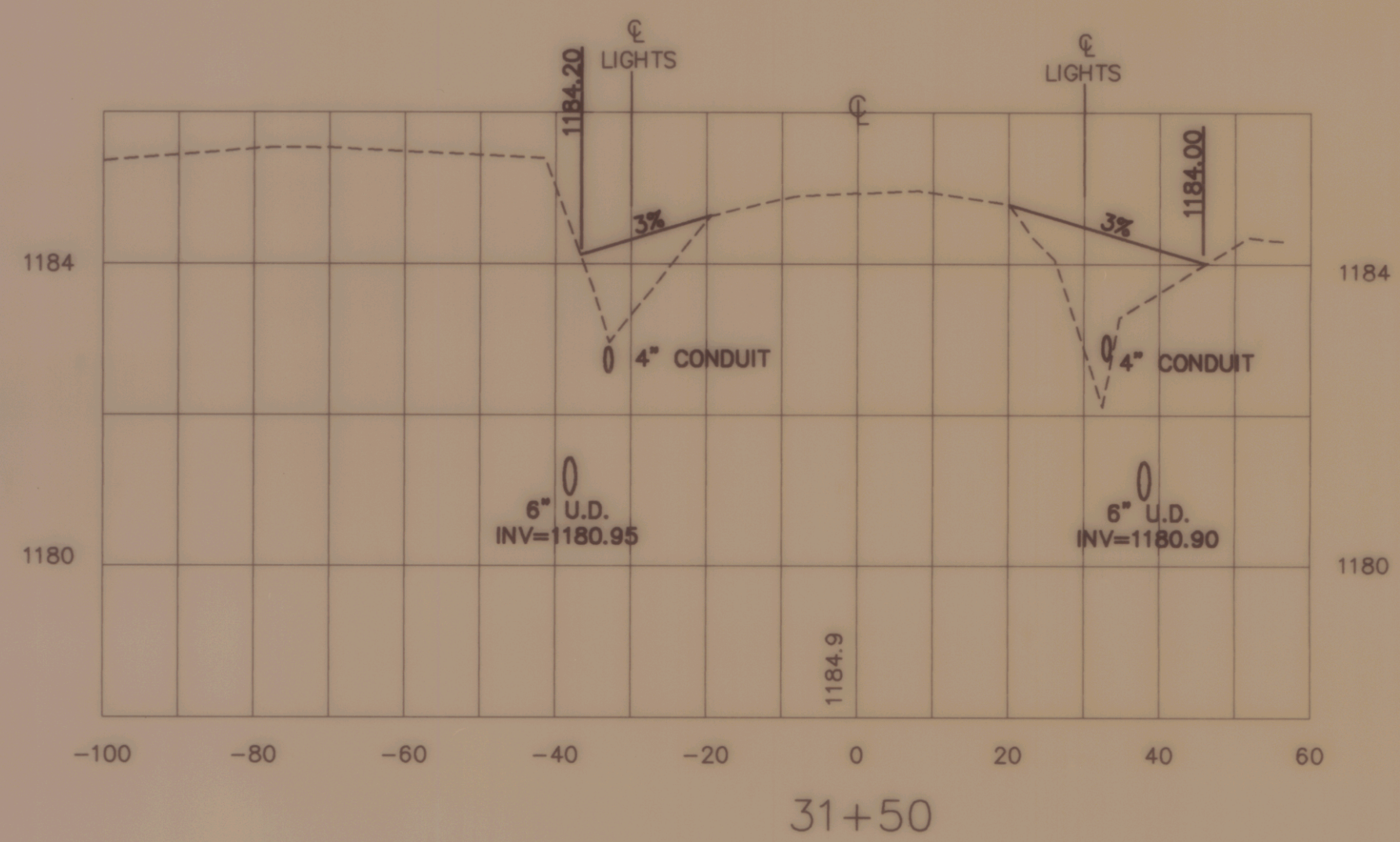
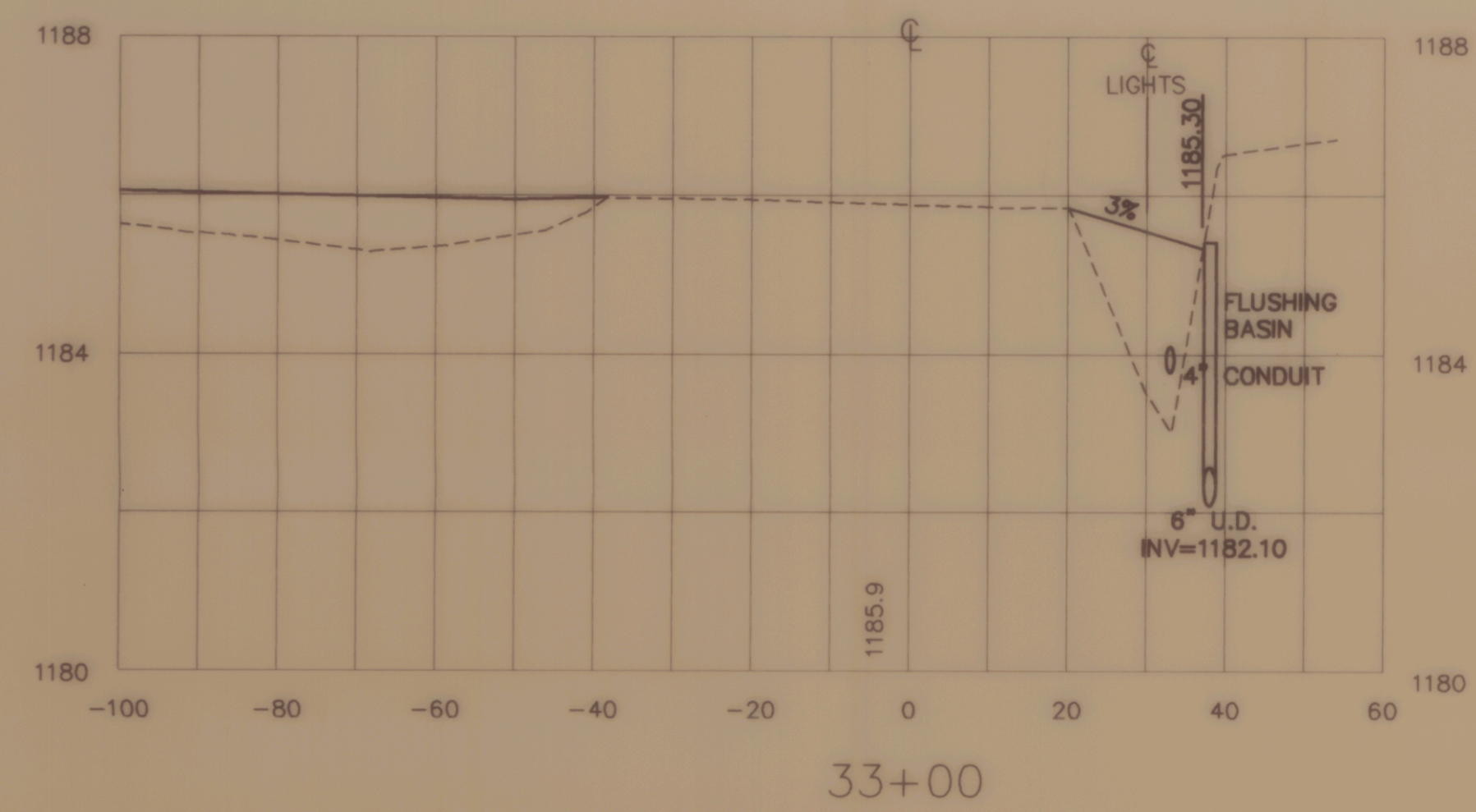
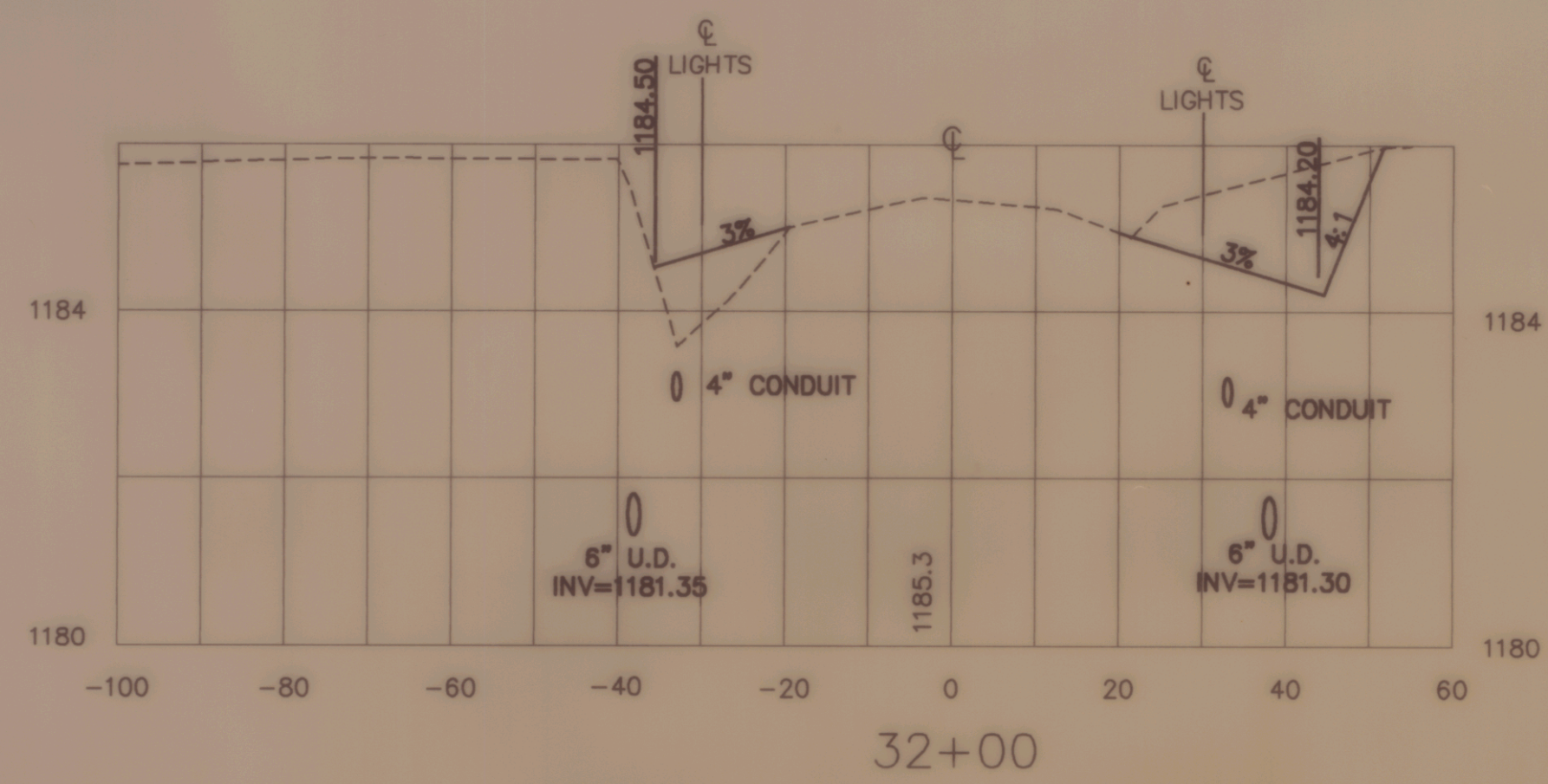
SCALE : 1" = 20' HORIZ. 1" = 2' VERT. DATE : NOVEMBER 1994

DESIGNED BY : RLS  
DRAWN BY : SJB  
CHECKED BY : JAA  
APPROVED BY : DAF

**DuBois & King**  
ROUTE 66 PROFESSIONAL PLAZA  
RANDOLPH, VERMONT  
(802) 728-3376

SHEET 7 OF 14 JOB NO. N12603

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NO.	DATE	REVISION

**CROSS SECTIONS OF TAXIWAY A**  
OF  
**CALEDONIA COUNTY STATE AIRPORT**  
PREPARED FOR  
**VERMONT AGENCY OF TRANSPORTATION**

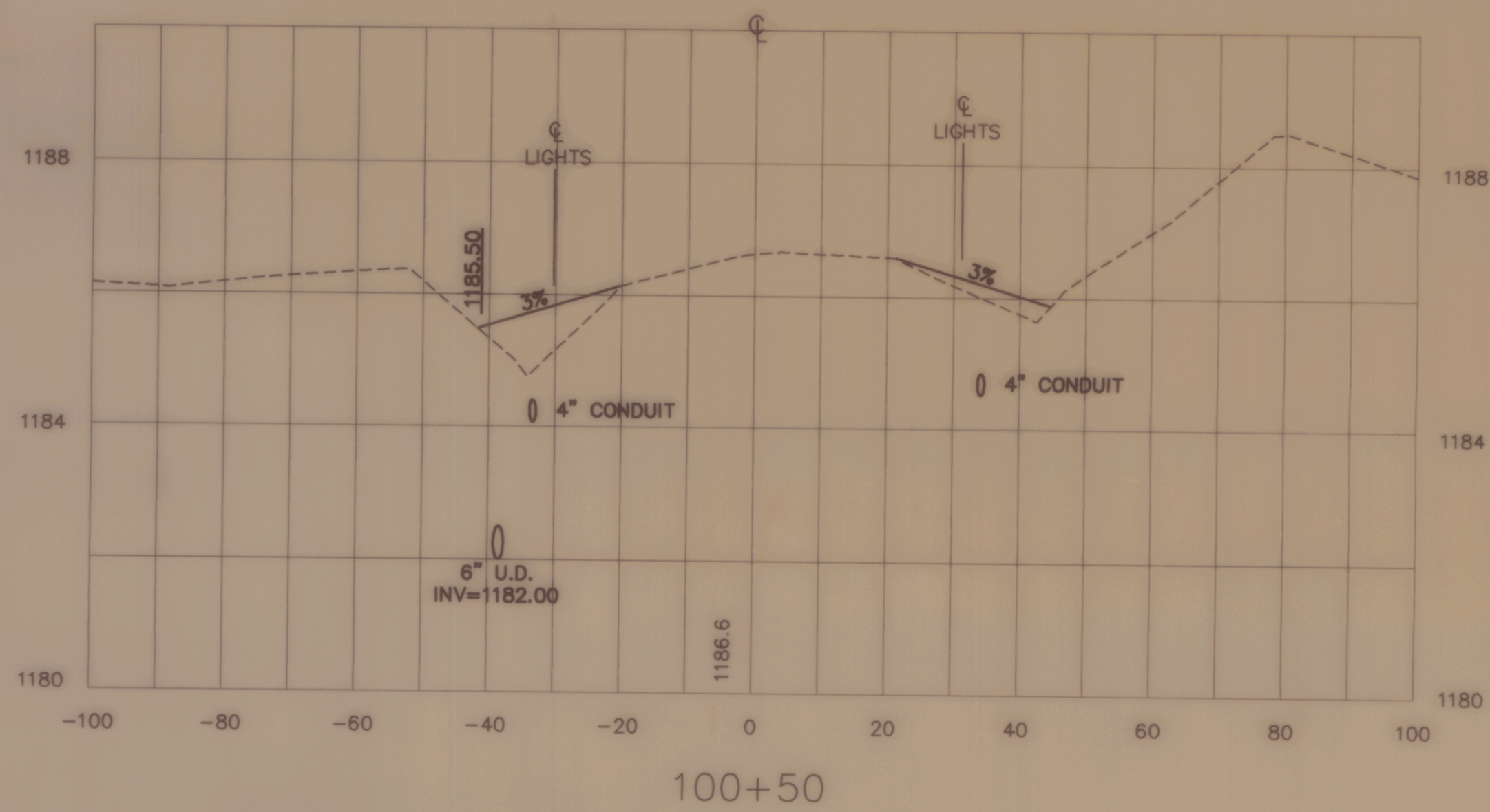
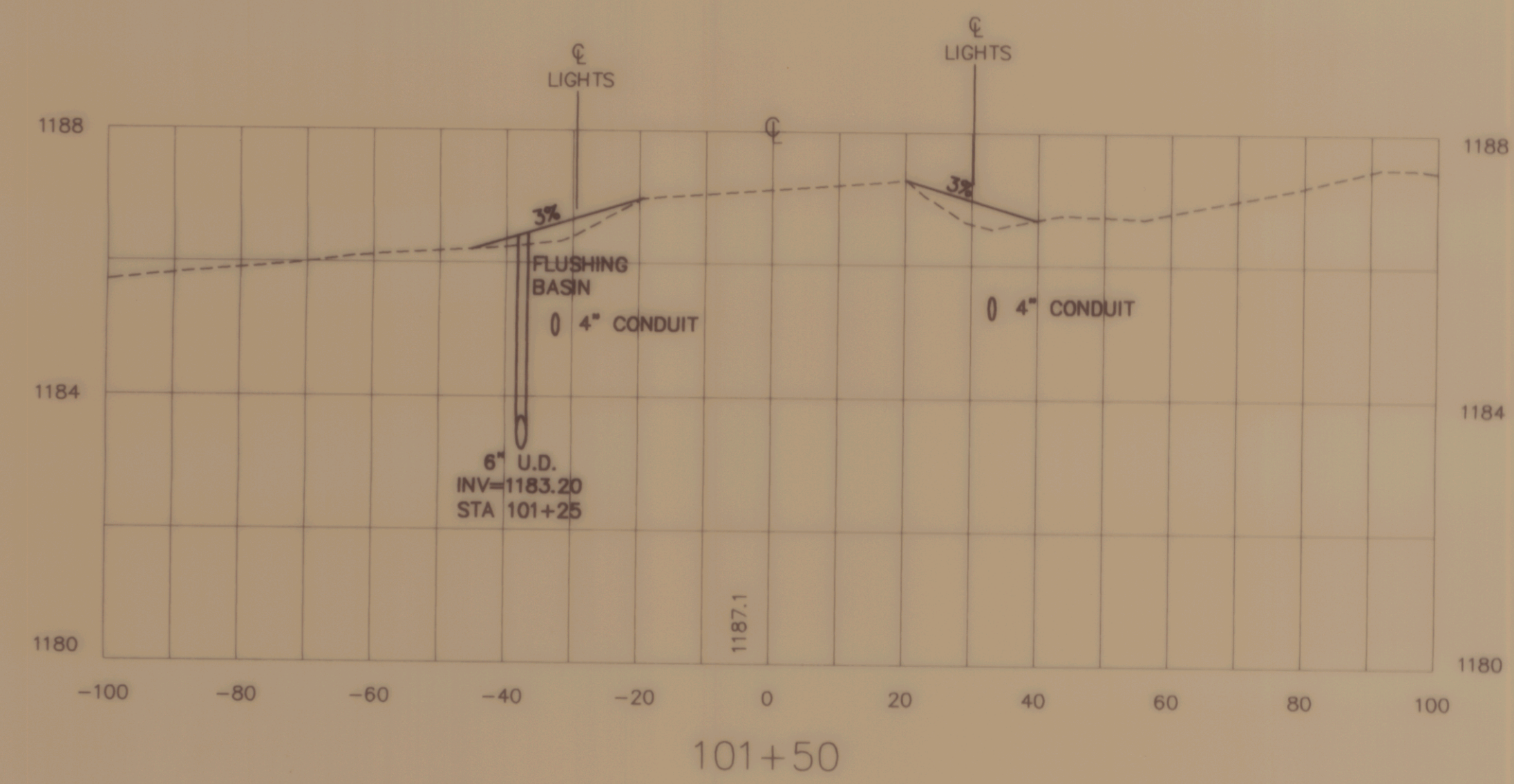
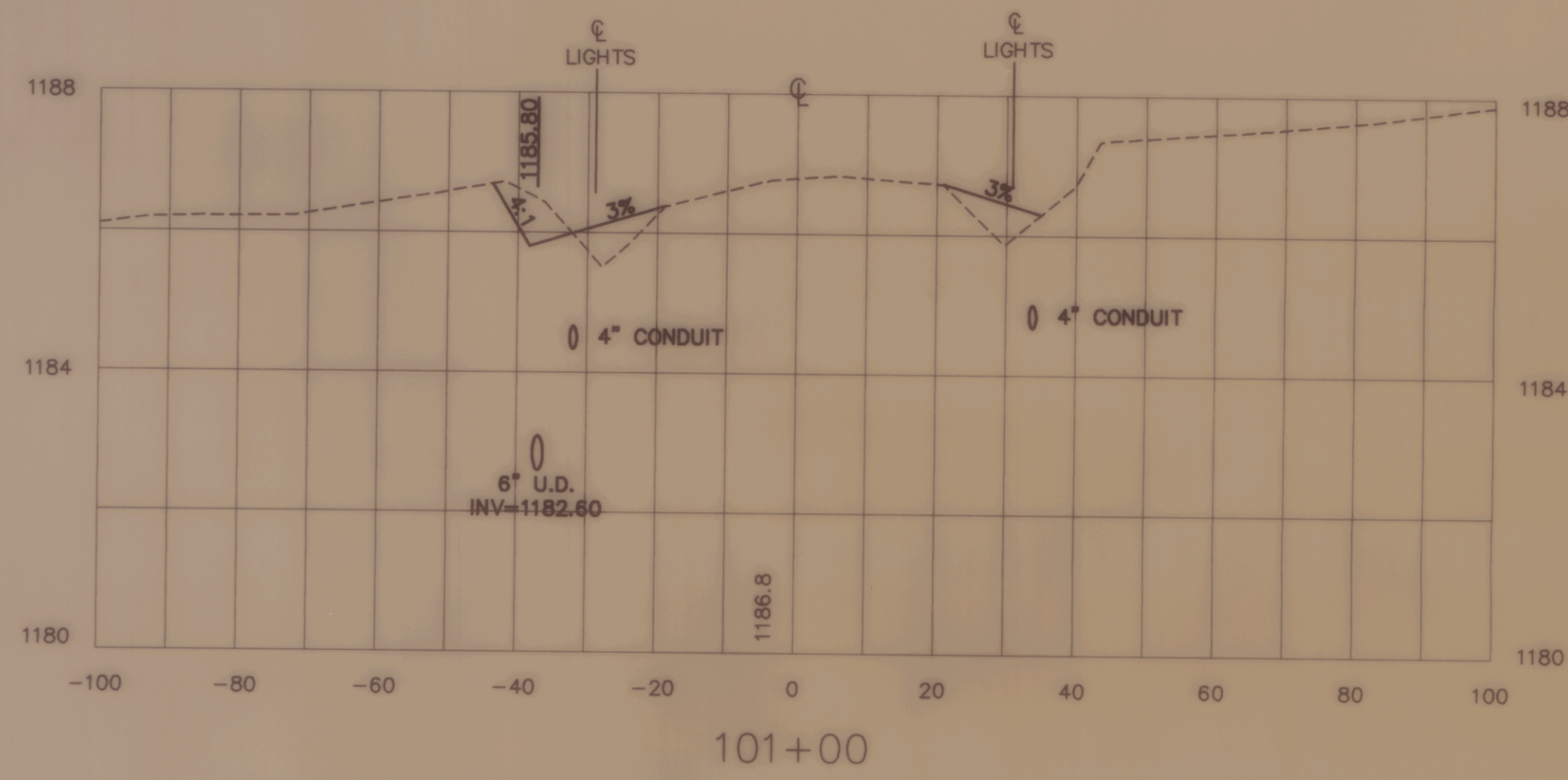
SCALE : 1" = 20' HORIZ. 1" = 2' VERT.      DATE : NOVEMBER 1994

DESIGNED BY : RLS  
DRAWN BY : SJB  
CHECKED BY : JAA  
APPROVED BY : DAF

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SHEET 8 OF 14      JOB NO. N12603

C:\DATA\PROJECTS\N12603\00055 Tue Feb 28 14:14:58 1995



NO.	DATE	REVISION

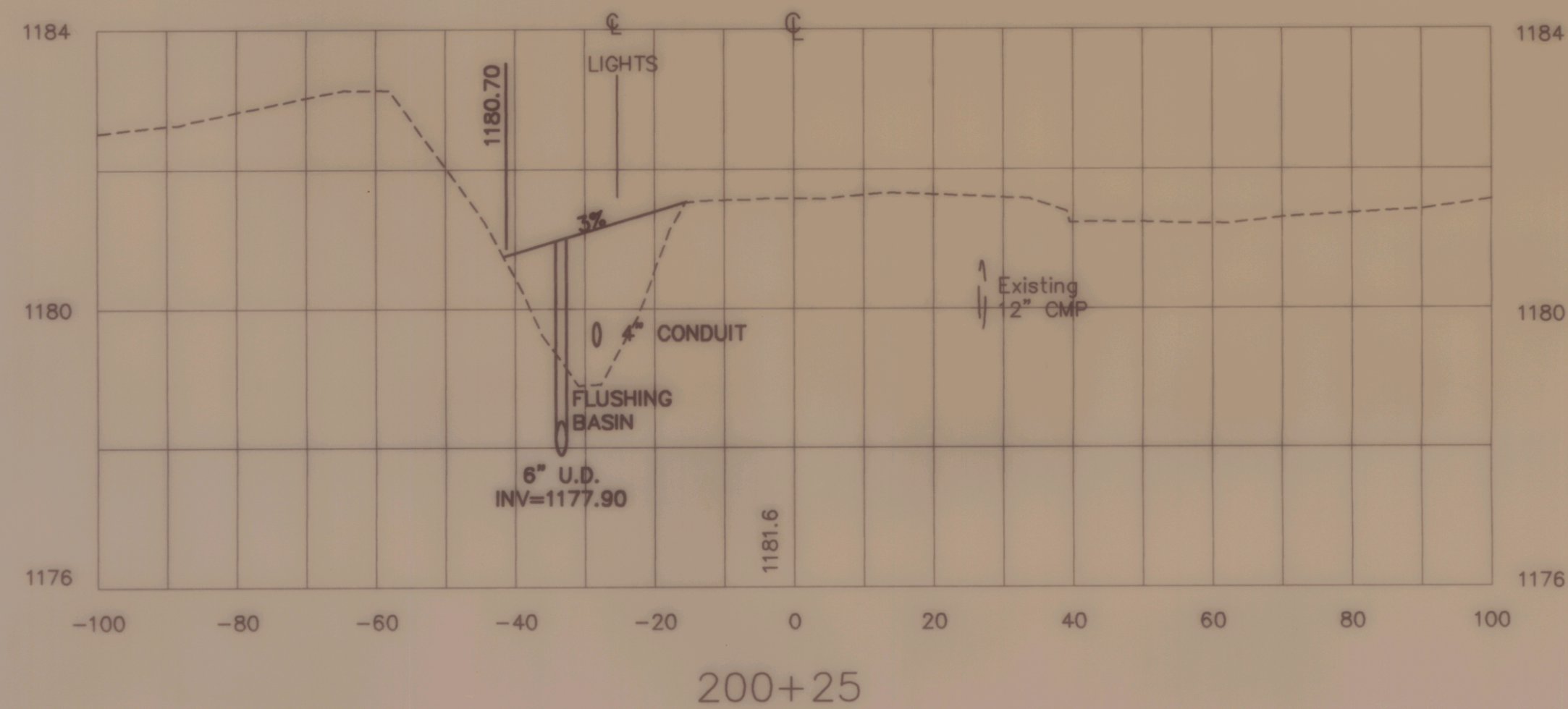
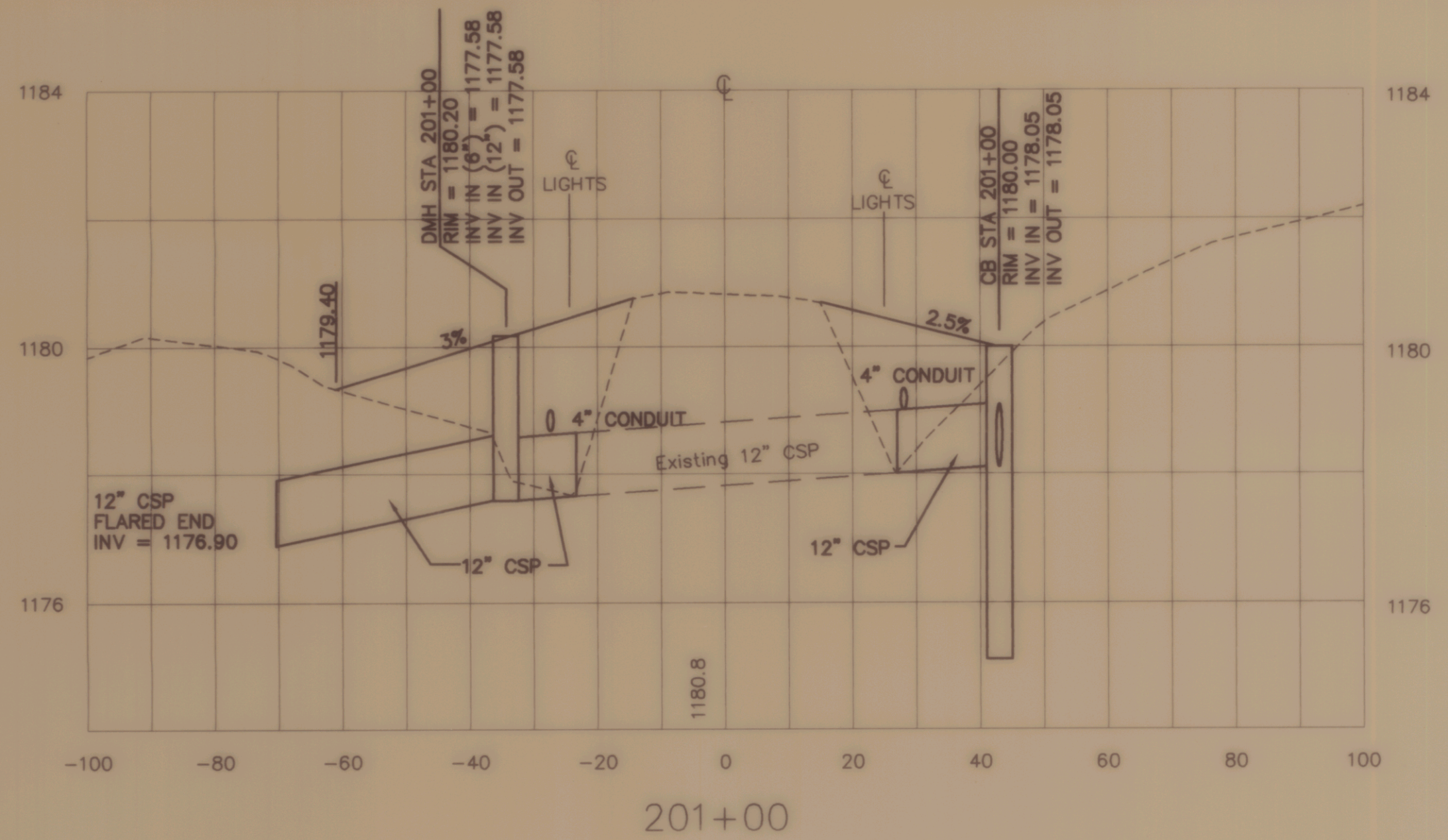
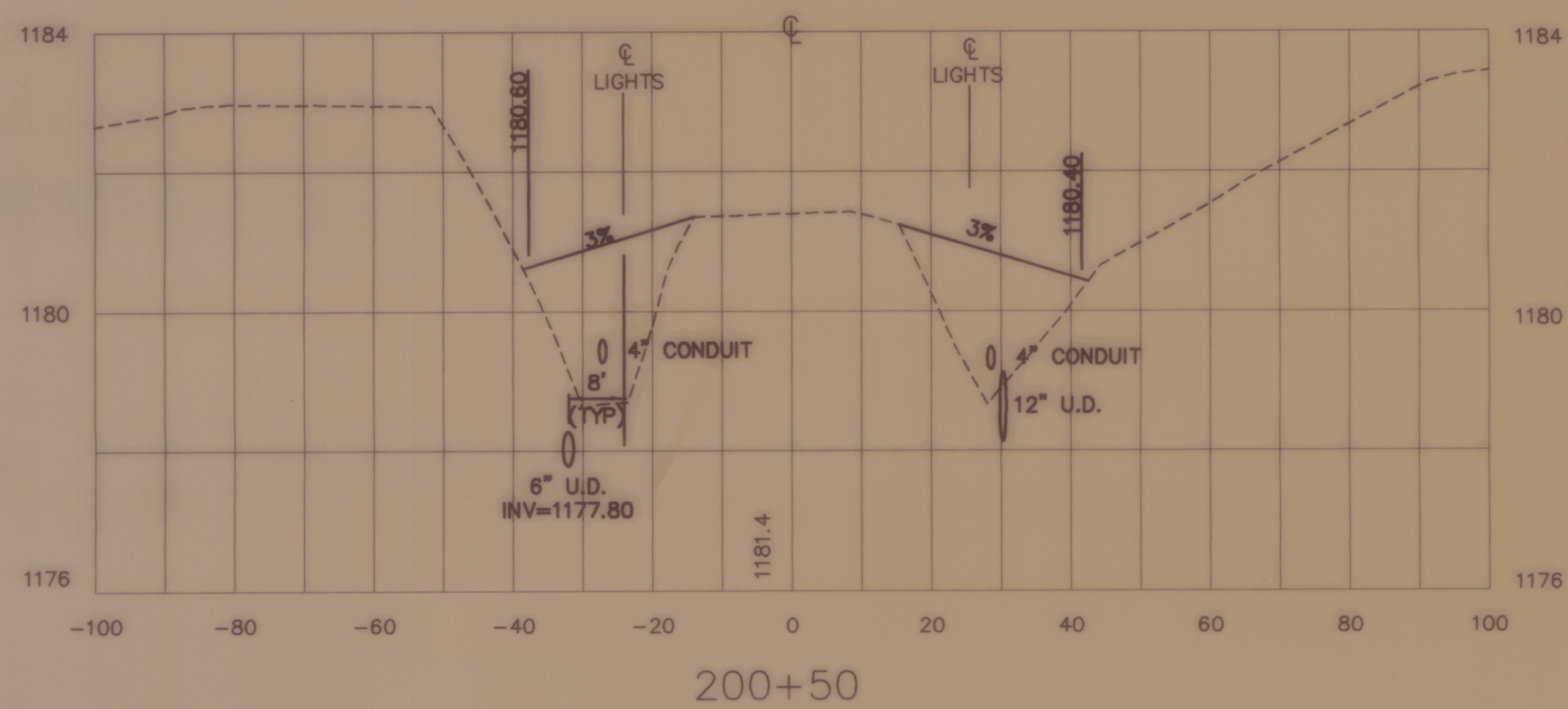
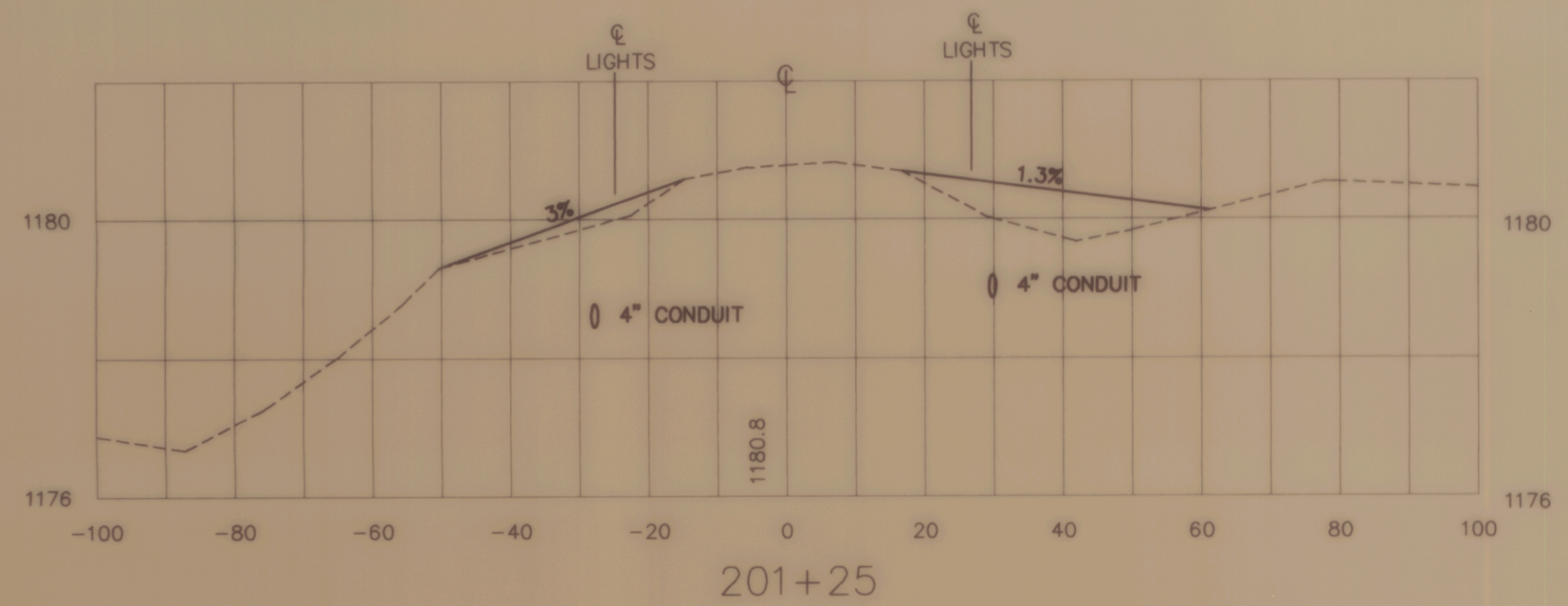
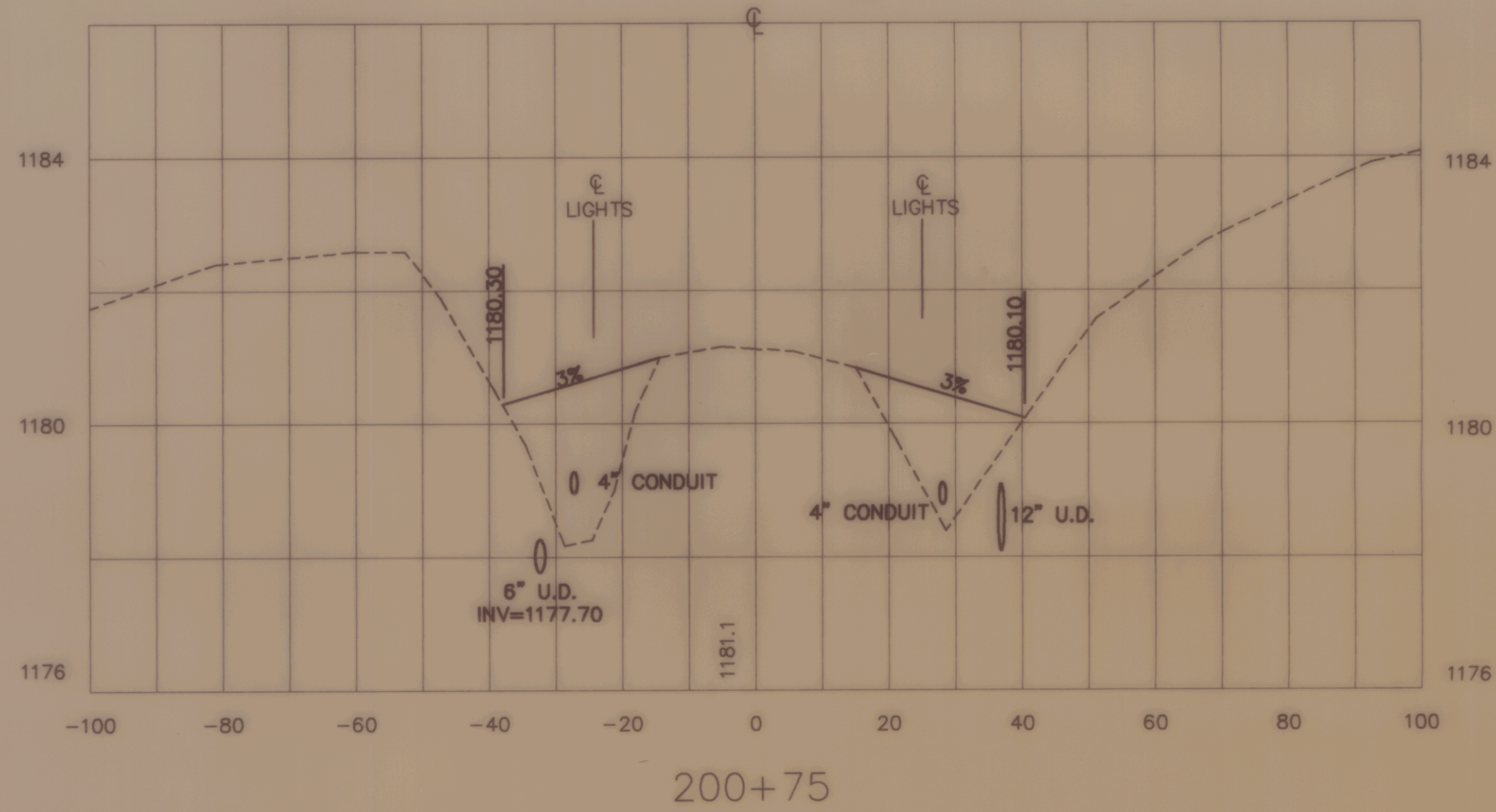
**CROSS SECTIONS OF TAXIWAY B**  
OF  
**CALEDONIA COUNTY STATE AIRPORT**  
PREPARED FOR  
**VERMONT AGENCY OF TRANSPORTATION**

SCALE : 1" = 20' HORIZ. 1" = 2' VERT.      DATE : NOVEMBER 1994

DESIGNED BY : RLS  
DRAWN BY : SJB  
CHECKED BY : JAA  
APPROVED BY : DAF

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SHEET 9 OF 14      JOB NO. N12603



NO.	DATE	REVISION

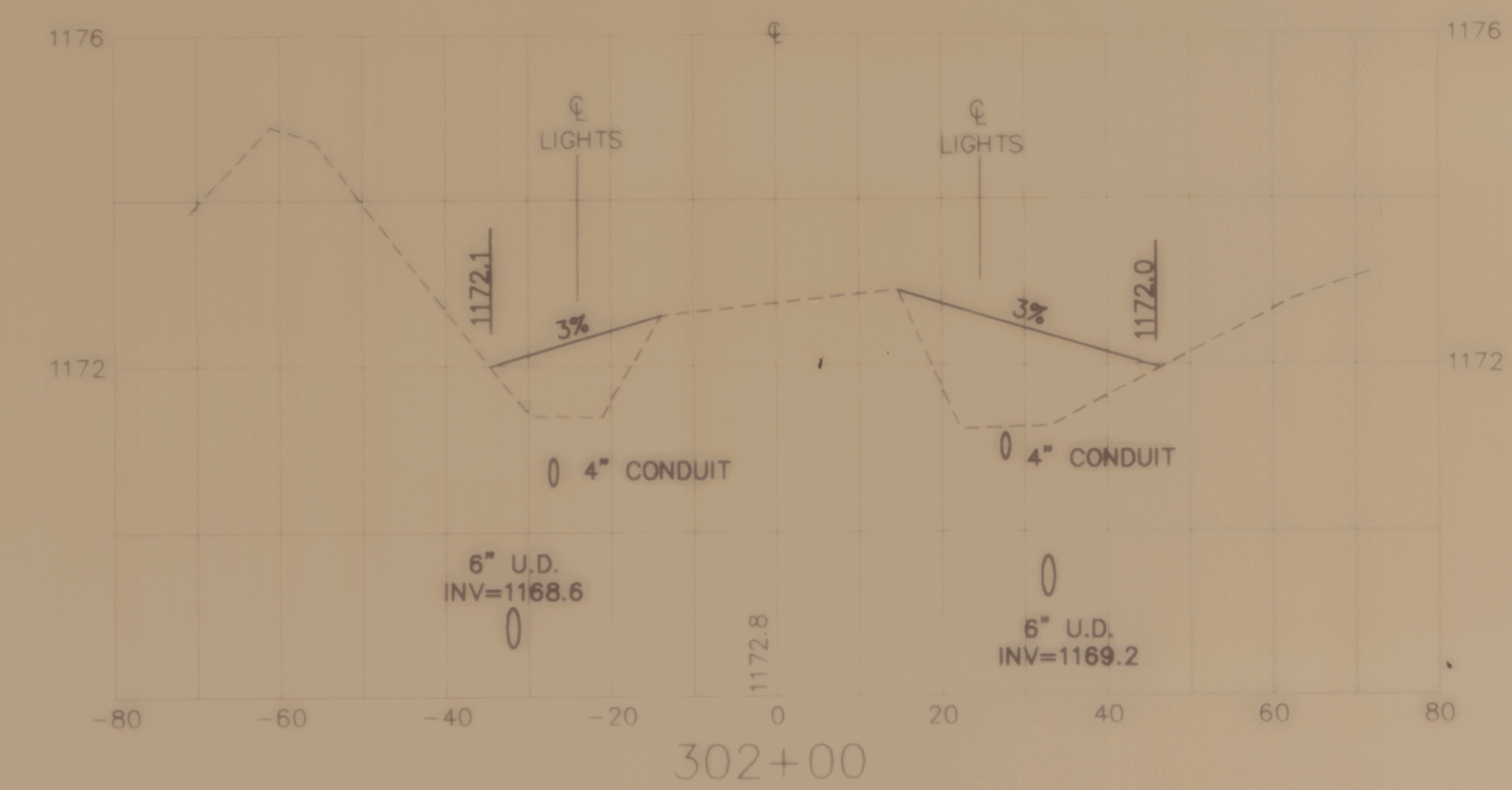
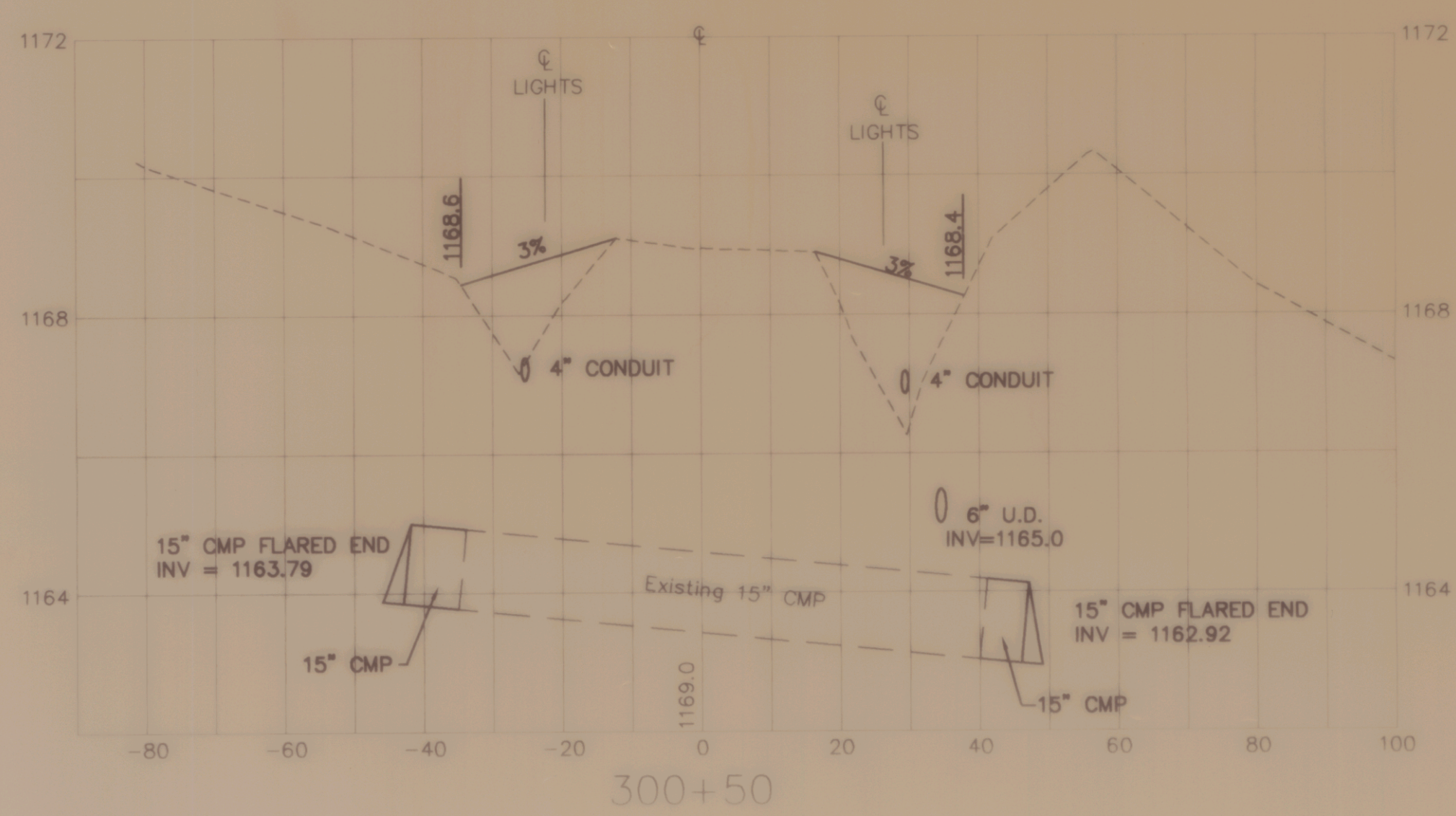
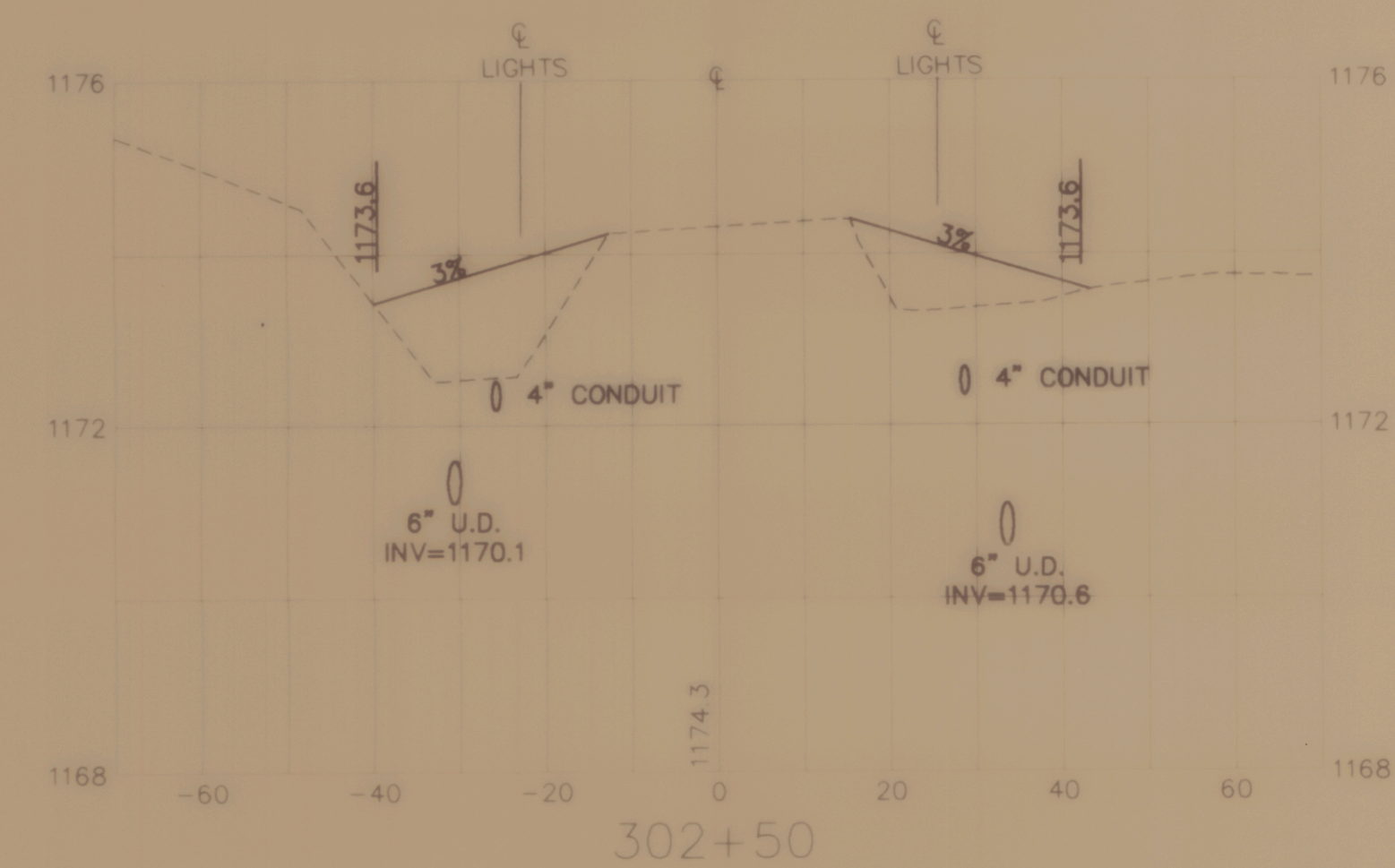
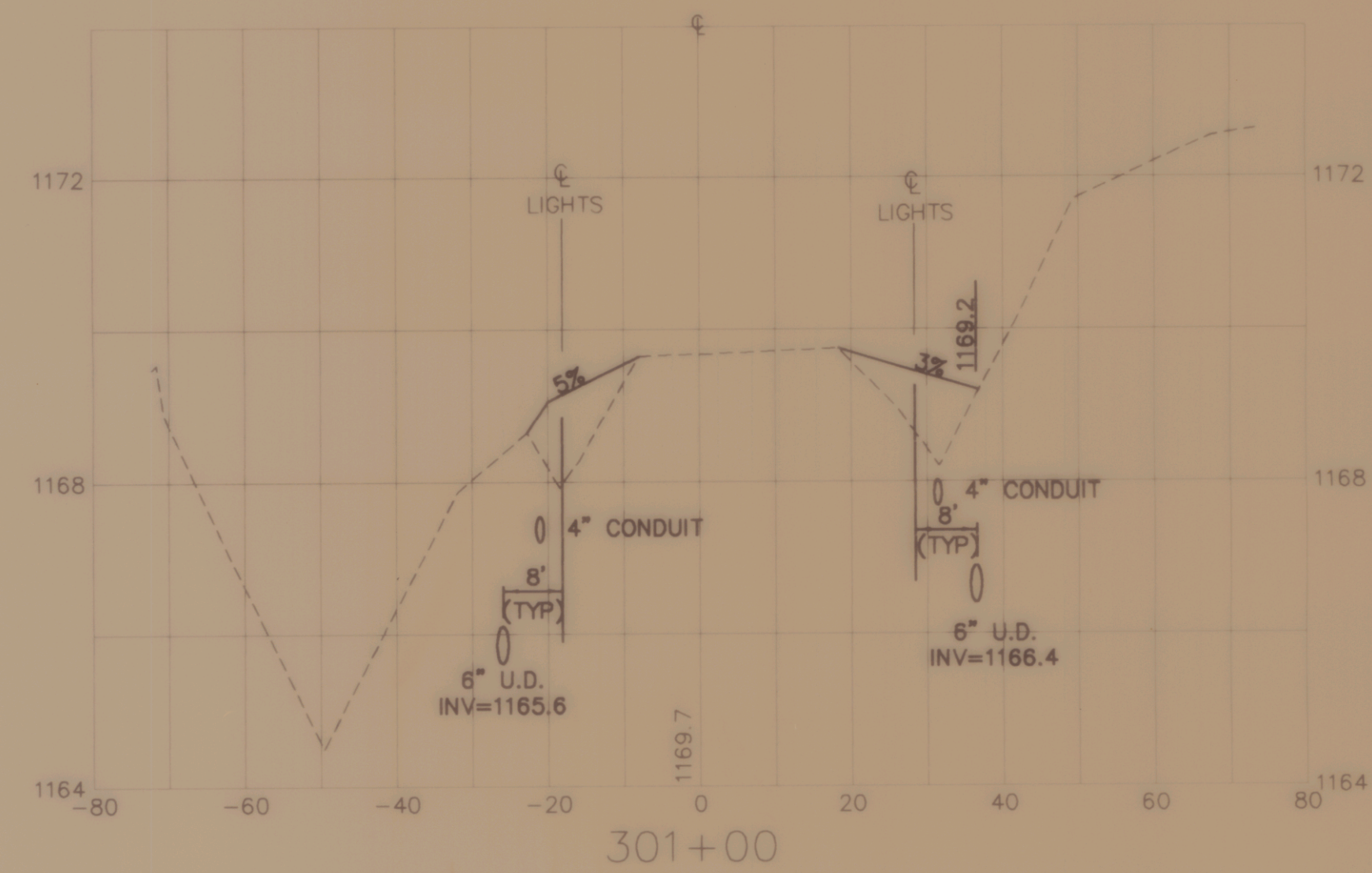
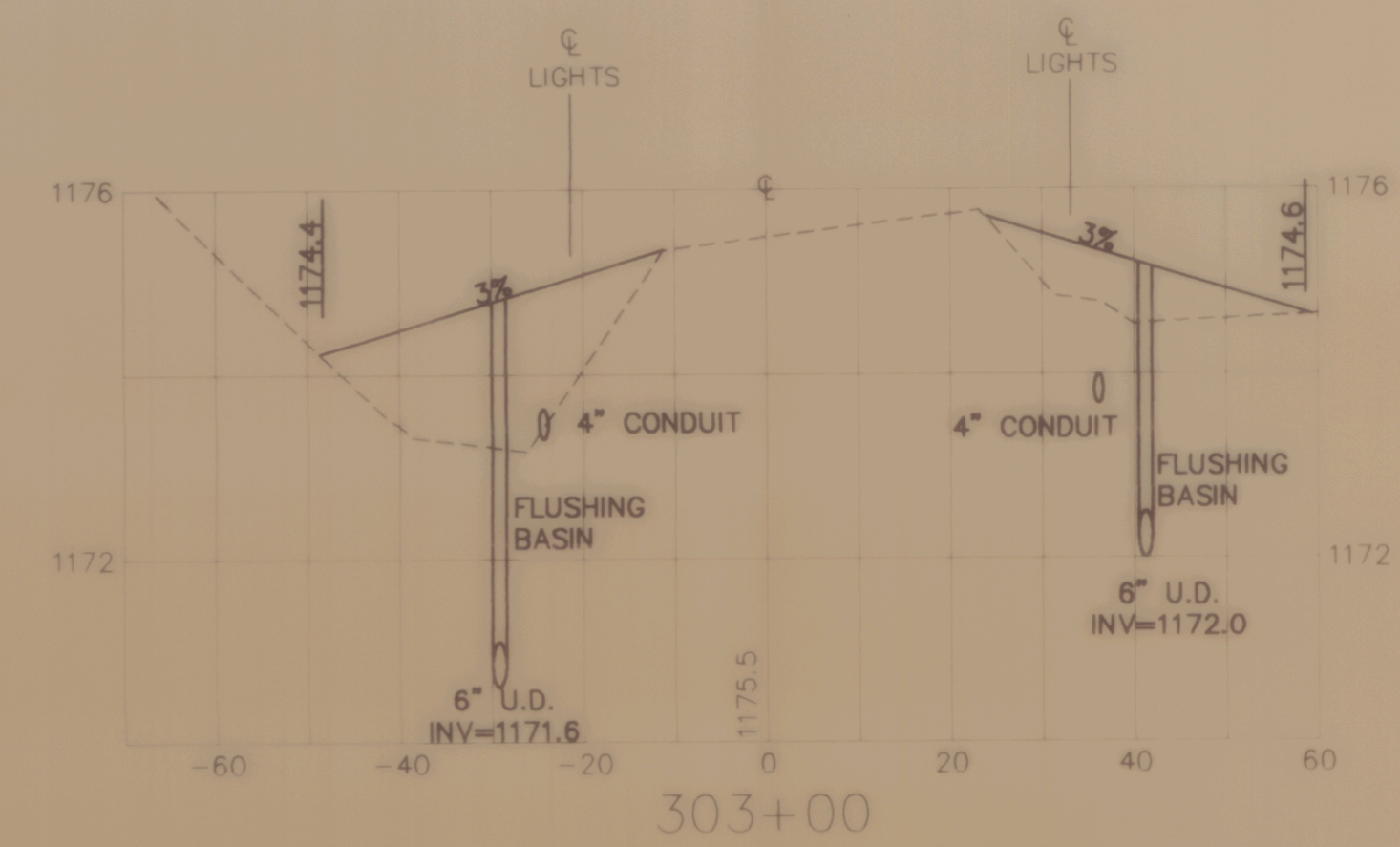
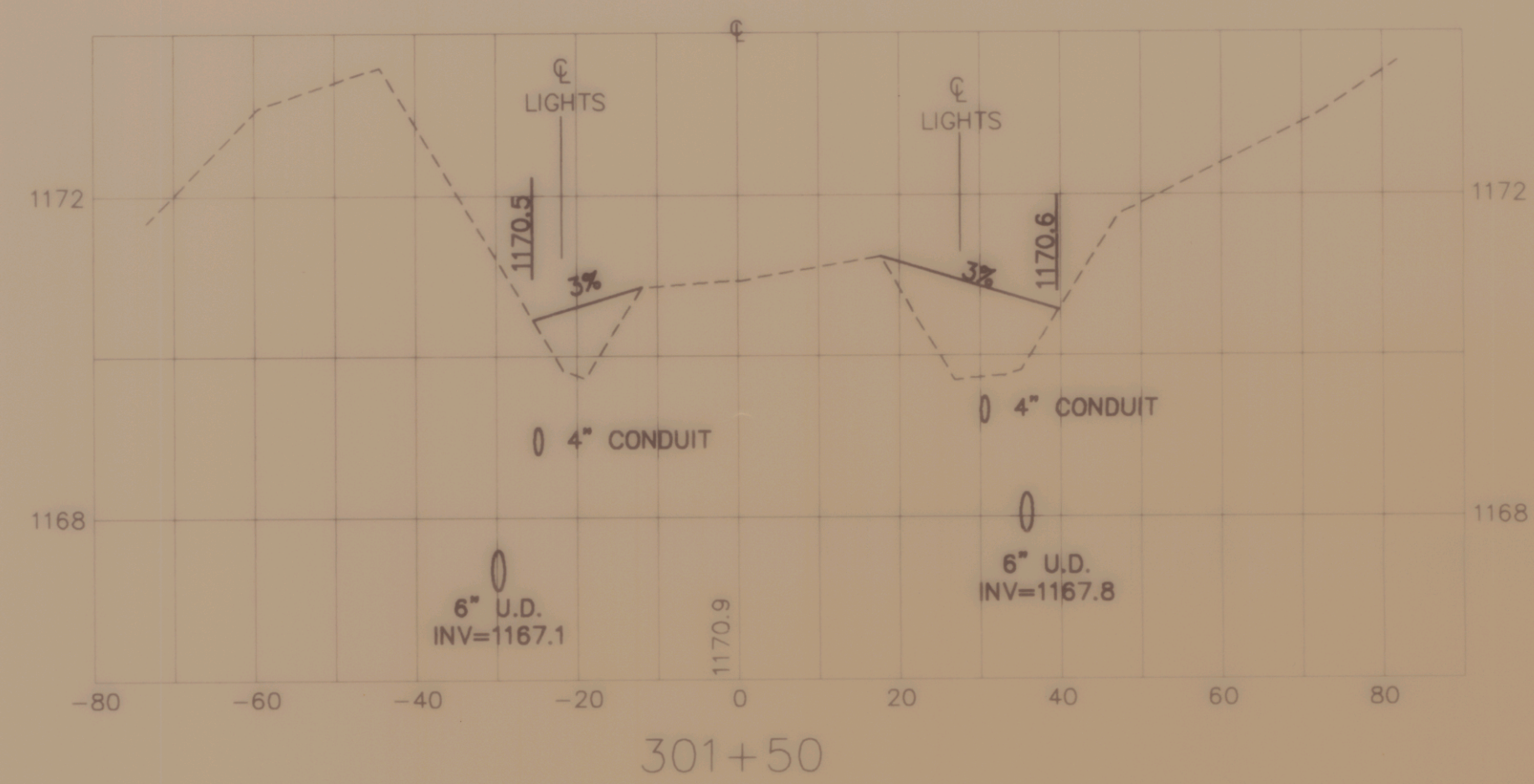
**CROSS SECTIONS OF TAXIWAY C**  
OF  
**CALEDONIA COUNTY STATE AIRPORT**  
PREPARED FOR  
**VERMONT AGENCY OF TRANSPORTATION**

SCALE: 1" = 20' HORIZ. 1" = 2' VERT.      DATE: NOVEMBER 1994

DESIGNED BY: RLS  
DRAWN BY: SJB  
CHECKED BY: JAA  
APPROVED BY: DAF

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SHEET 10 OF 14      JOB NO. N12603



**CROSS SECTIONS OF TAXIWAY D**  
OF  
**CALEDONIA COUNTY STATE AIRPORT**  
PREPARED FOR  
**VERMONT AGENCY OF TRANSPORTATION**

SCALE 1" = 20' HORIZ 1" = 2' VERT DATE: NOVEMBER 1994

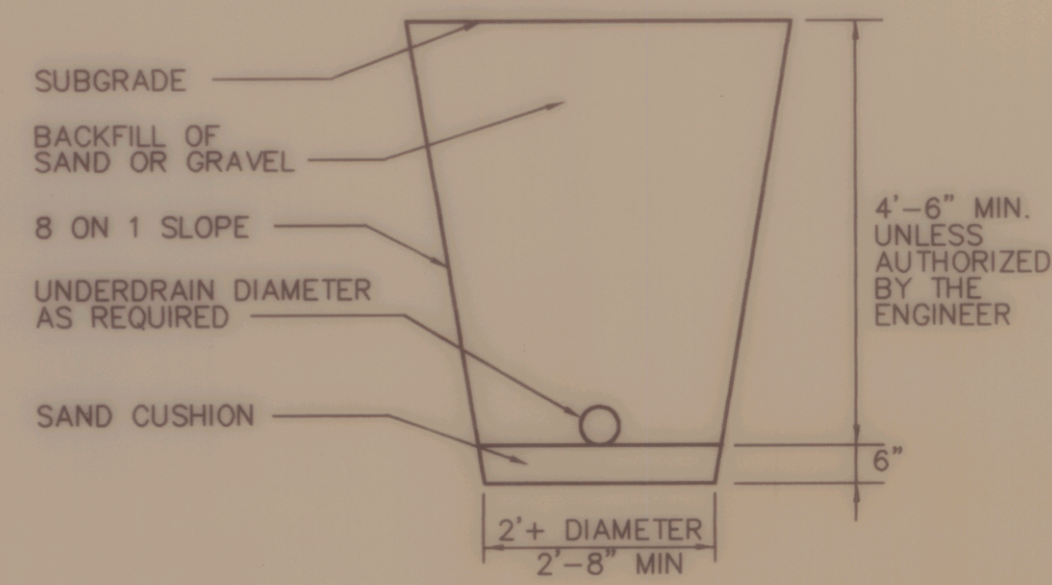
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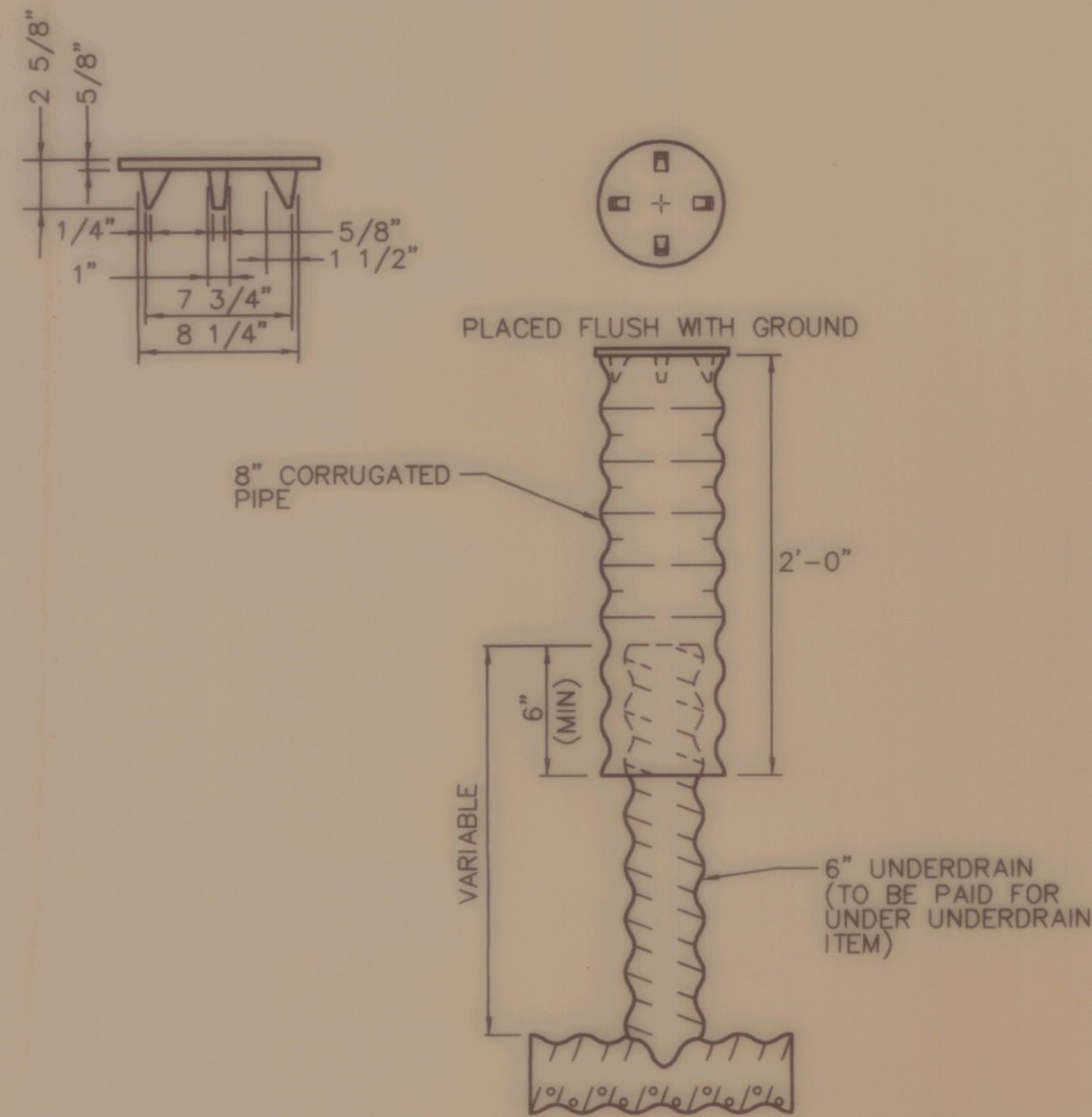
JOB NO. N12603

NO.	DATE	REVISION

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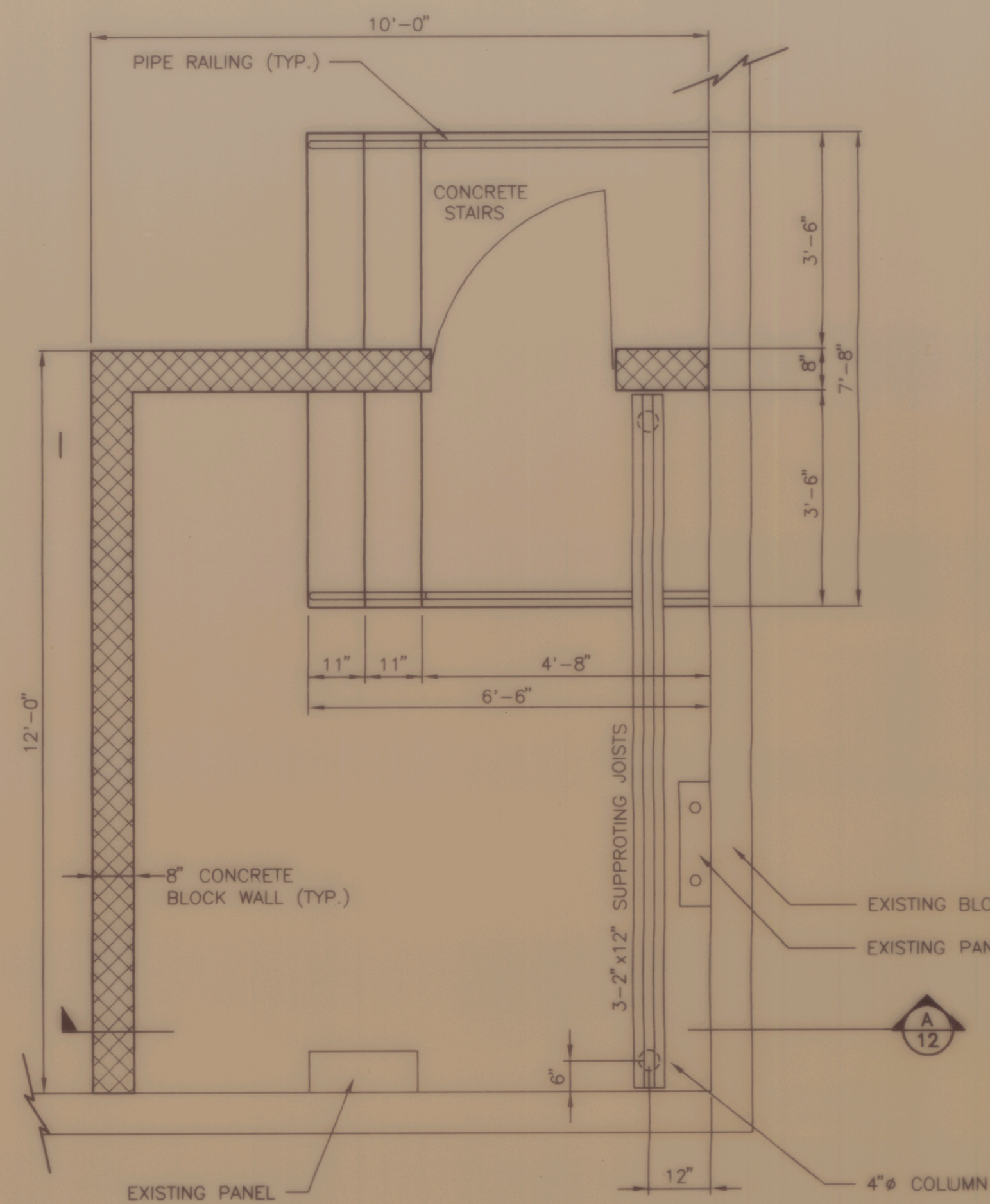


UNDERDRAIN CONSTRUCTION  
NOT TO SCALE

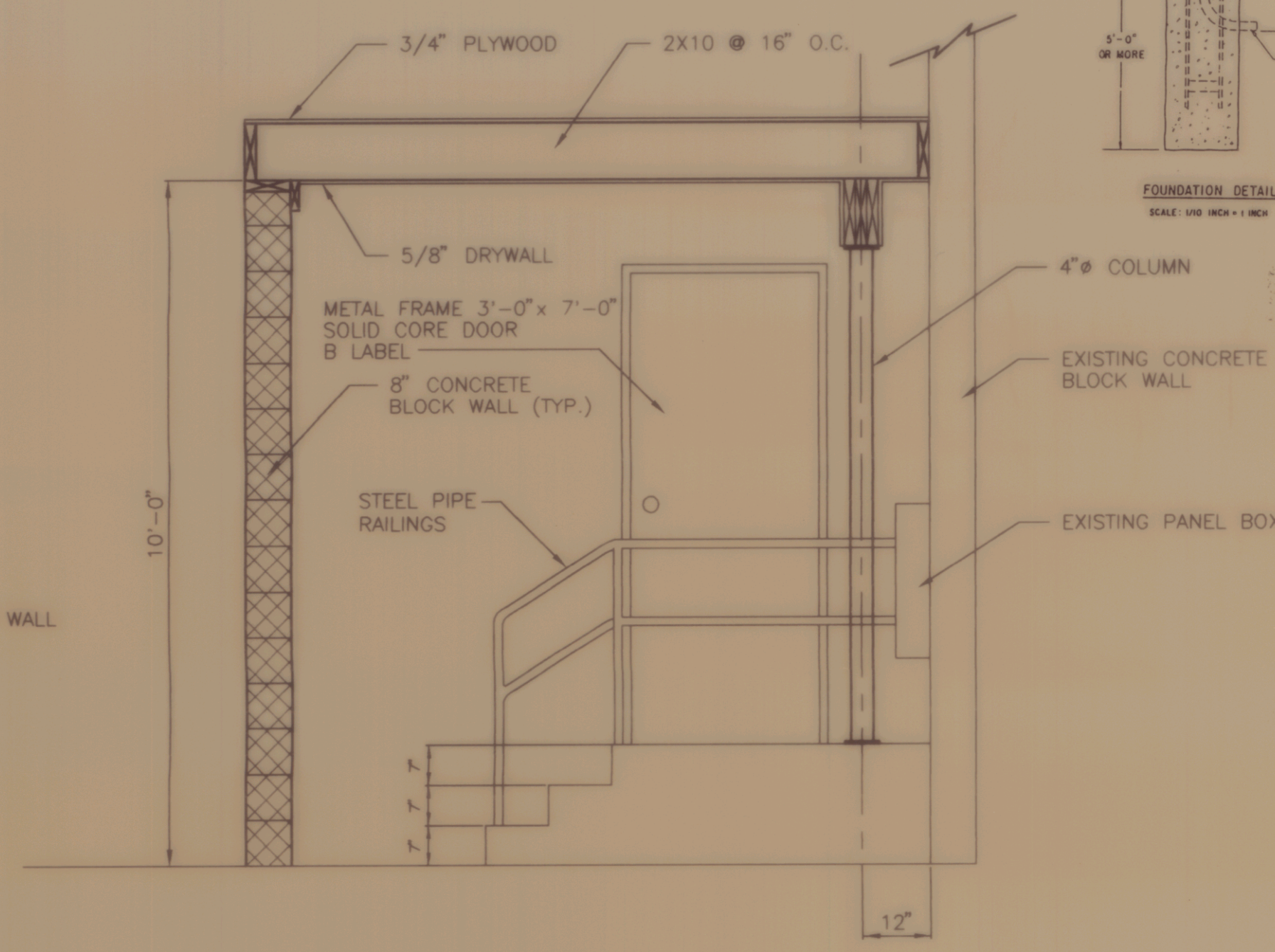


UNDERDRAIN FLUSHING BASIN  
NOT TO SCALE

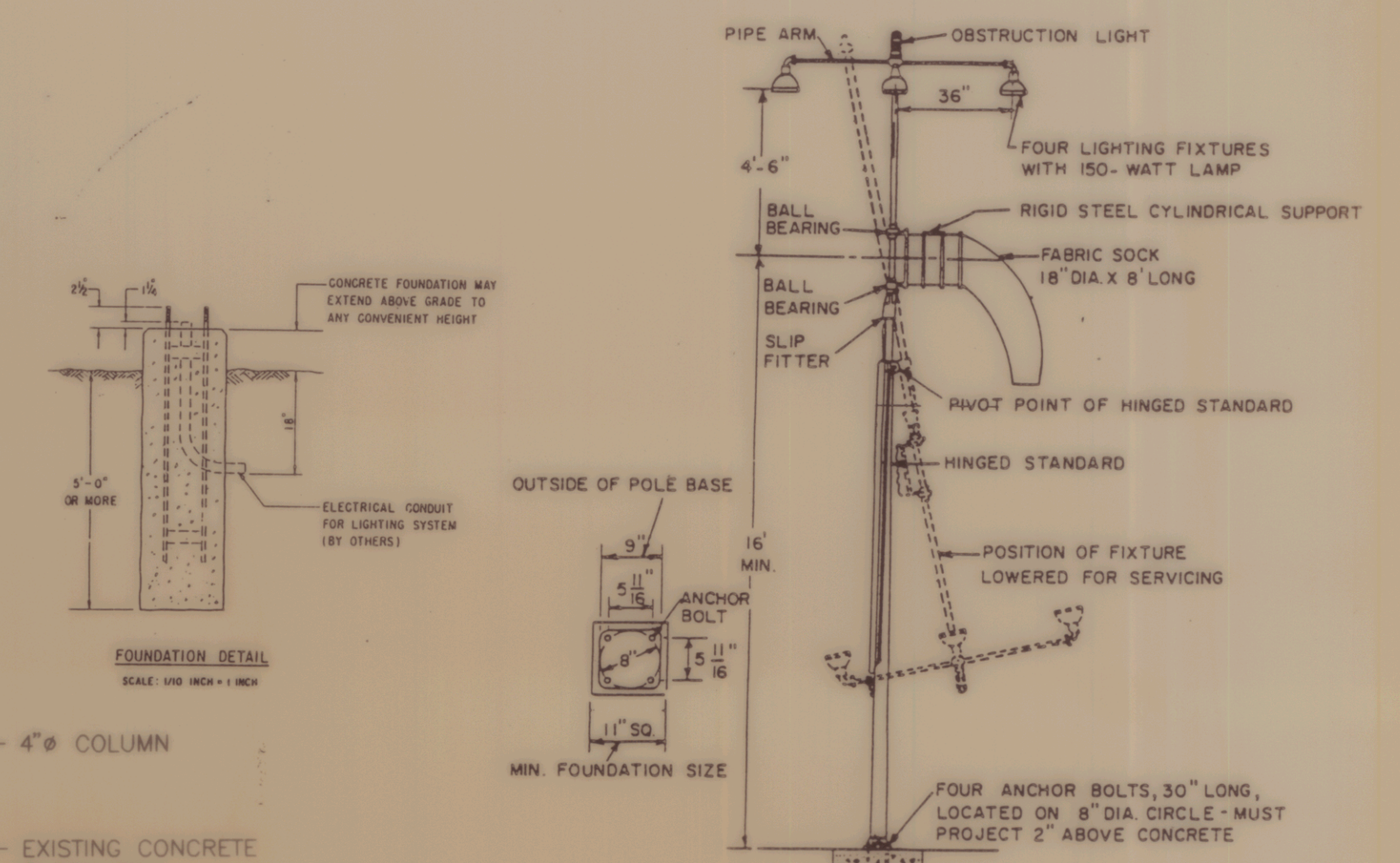
FLUSHING BASINS AT BEGINNING OF LINE SHALL HAVE A 90° ELBOW RATHER THAN A T AS SHOWN ABOVE (ELBOW TO BE PAID FOR UNDER UNDERDRAIN ITEM)



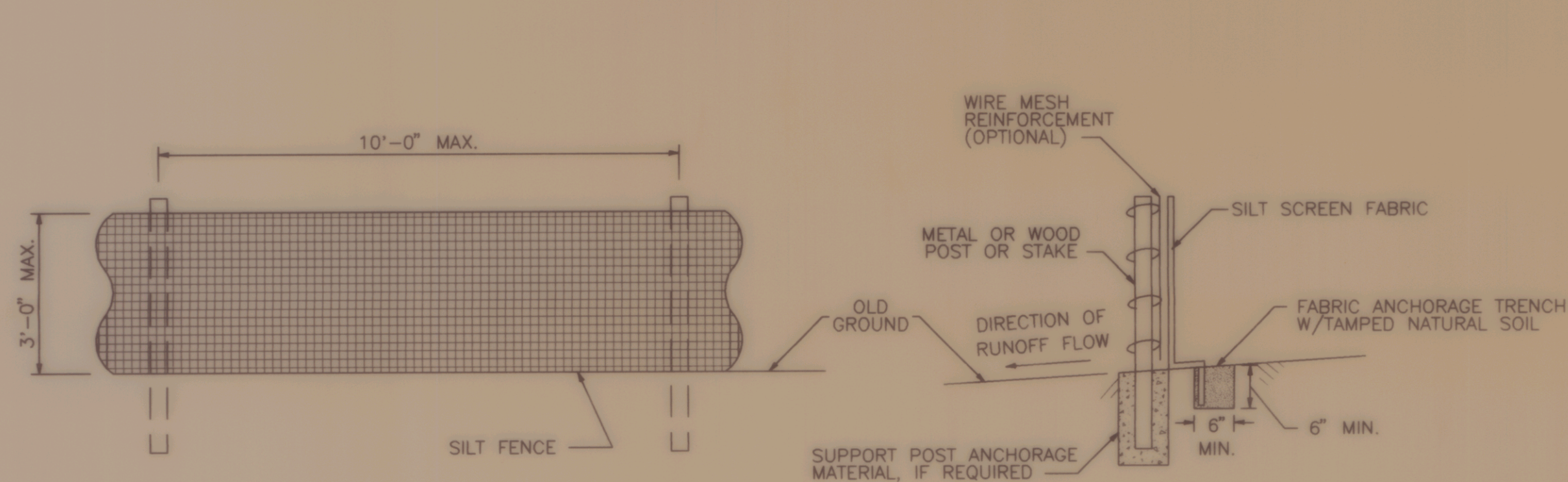
ELECTRICAL ROOM STRUCTURAL PLAN  
SCALE: 1/2" = 1'-0"



SECTION A  
SCALE: 1/2" = 1'-0"



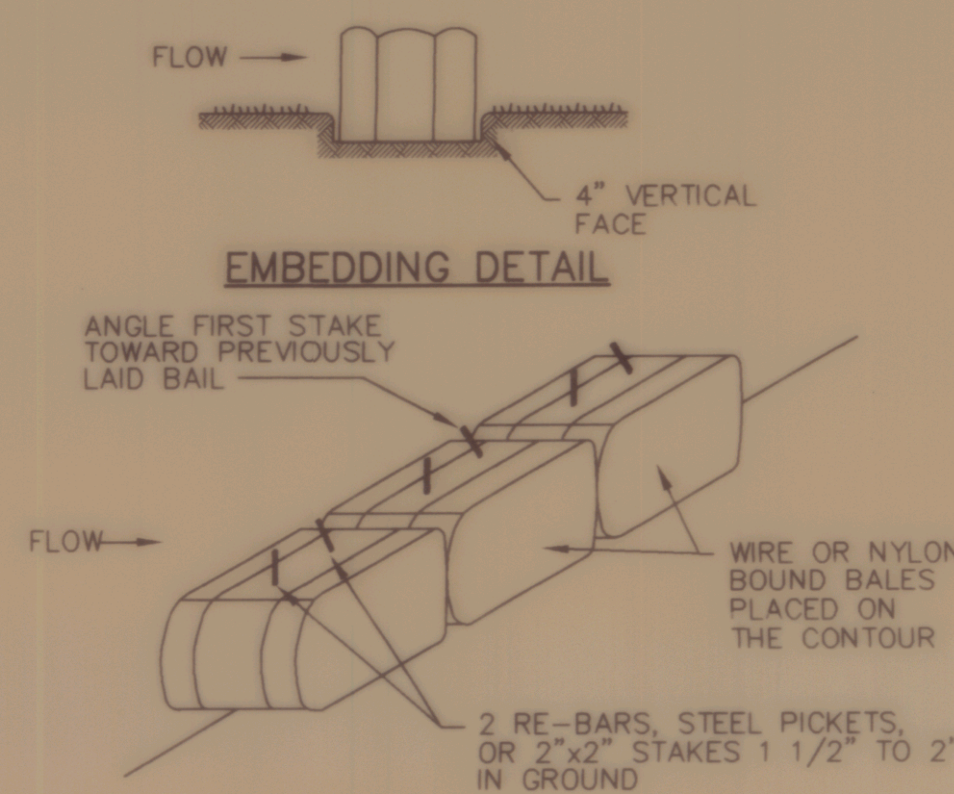
WIND CONE DETAIL  
NOT TO SCALE



ELEVATION

SILT FENCE  
NOT TO SCALE

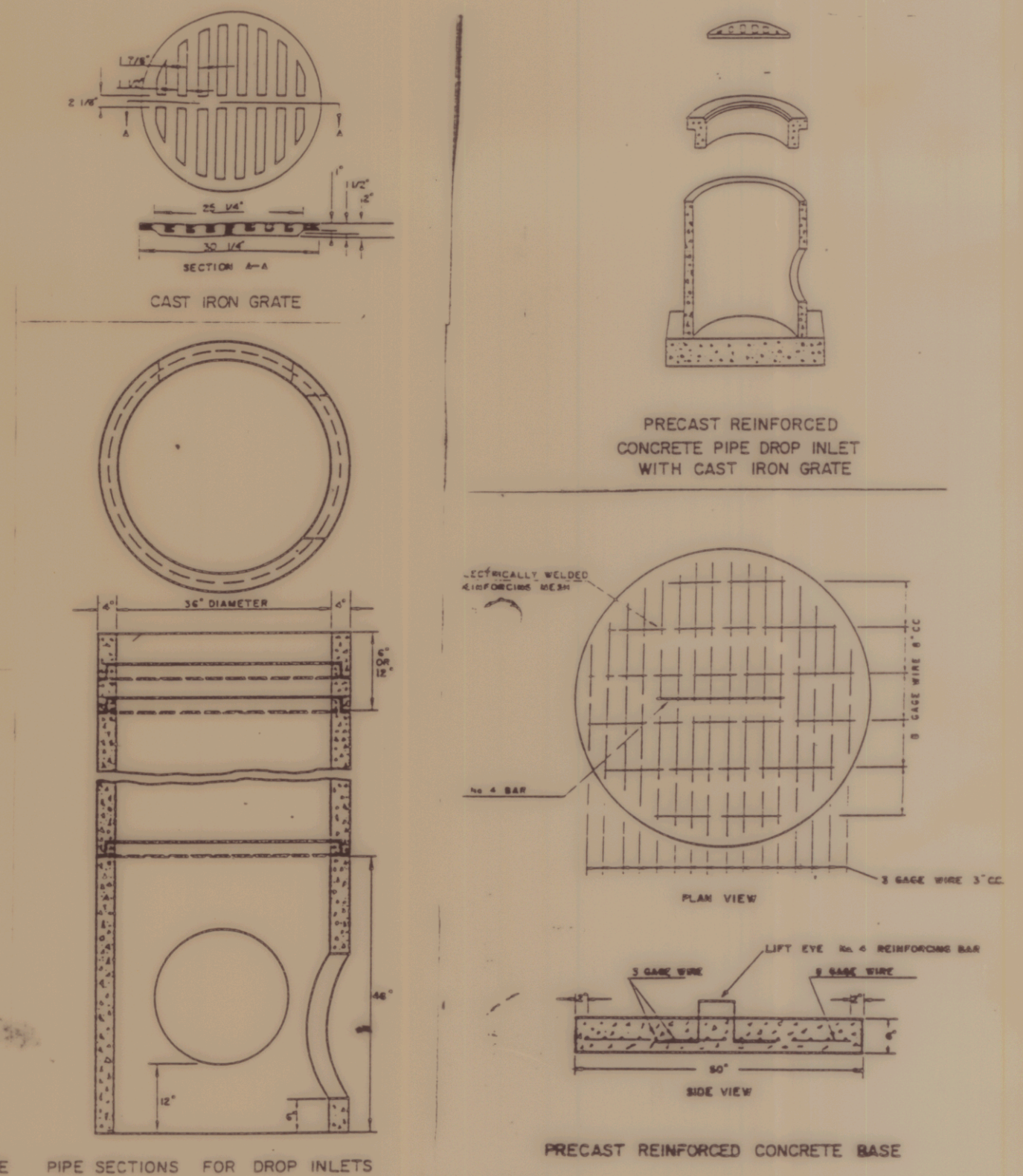
END VIEW



ANCHORING DETAIL  
CONSTRUCTION SPECIFICATIONS

- BALES SHALL BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
- EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF 4".
- BALES SHALL BE SECURELY ANCHORED IN PLACE BY STAKES OR RE-BARS DRIVEN THROUGH THE BALES. THE FIRST STAKE IN EACH BALE SHALL BE ANGLED TOWARD THE PREVIOUSLY LAID BALE TO FORCE BALES TOGETHER.
- INSPECTION SHALL BE FREQUENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
- BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.

STRAW OR HAY BALE DIKE  
NOT TO SCALE



PRECAST REINFORCED CONCRETE  
CATCH BASIN AND DRAIN MANHOLE  
NOT TO SCALE

NOTES

- SILT FENCE SHALL CONSIST OF AN APPROVED PREFABRICATED SILT FENCE WITH FABRIC ATTACHED TO POSTS AND SHALL BE ASSEMBLED IN THE FIELD ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS. WIRE MESH REINFORCEMENT AND/OR CLOSER POST SPACING MAY BE ORDERED BY THE ENGINEER IN AREAS WHERE HIGH RUNOFF VOLUMES ARE ANTICIPATED, OR IN LOW SPOTS WHERE SEDIMENT WILL BE COLLECTED.
- PRIOR TO BEGINNING EARTHWORK OPERATIONS AT LOCATIONS DIRECTED BY THE ENGINEER, SILT FENCE SHALL BE CONSTRUCTED ALONG THE TOE OF PROPOSED EMBANKMENT SLOPES AT THE LIMITS OF CLEARING.

MISCELLANEOUS DETAILS

OF  
CALEDONIA COUNTY STATE AIRPORT  
PREPARED FOR  
VERMONT AGENCY OF TRANSPORTATION

SCALE: AS NOTED

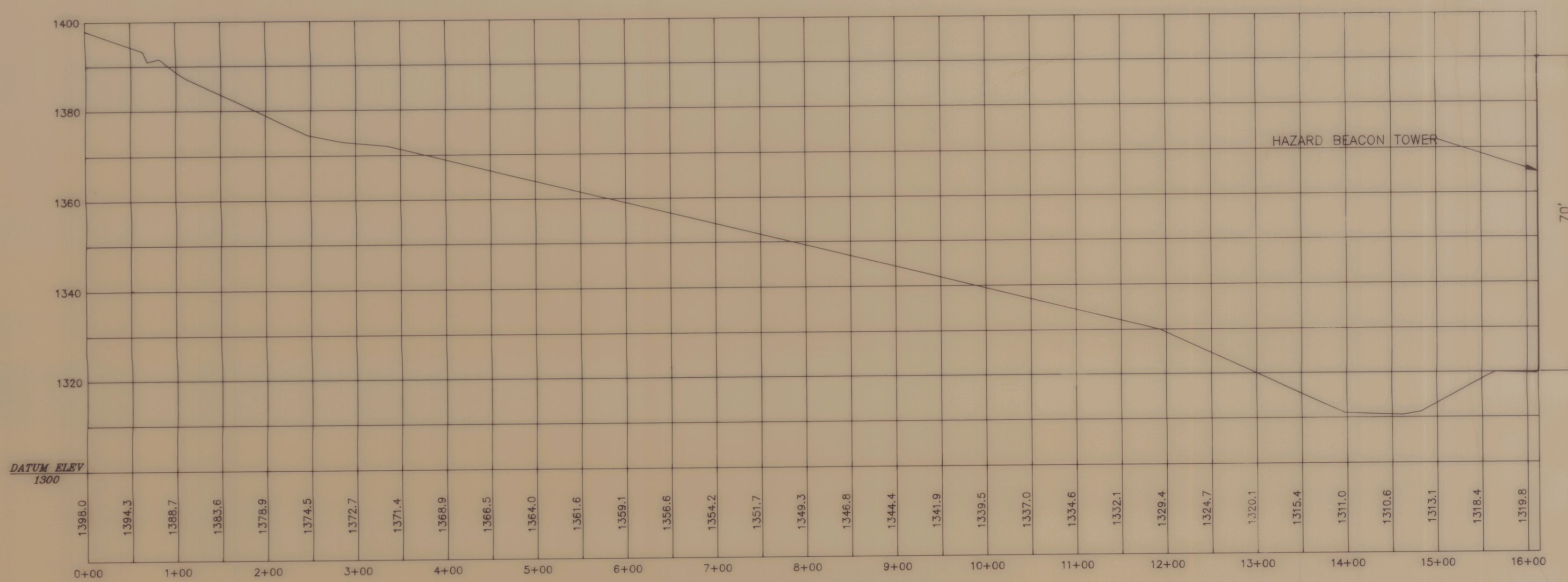
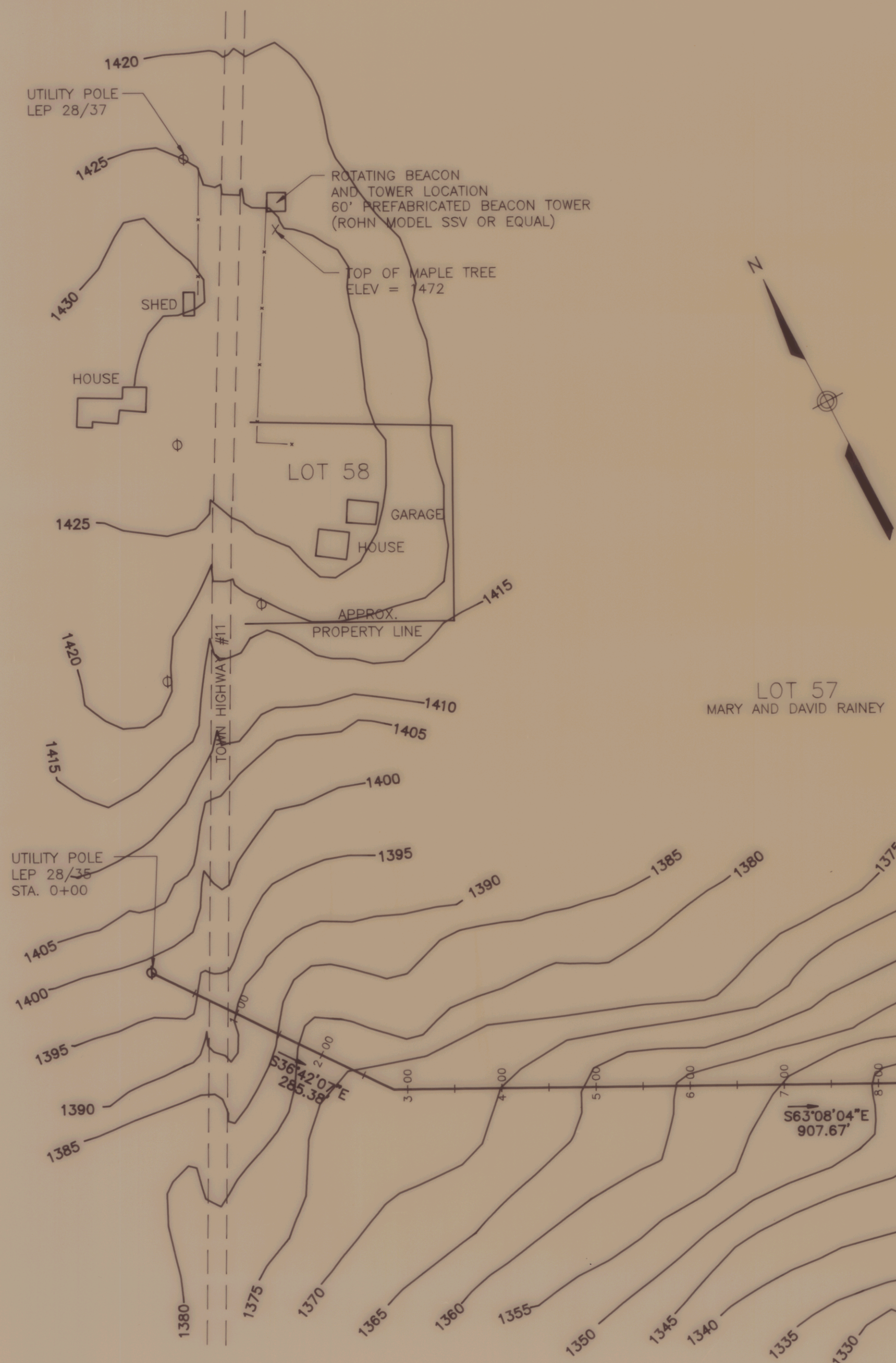
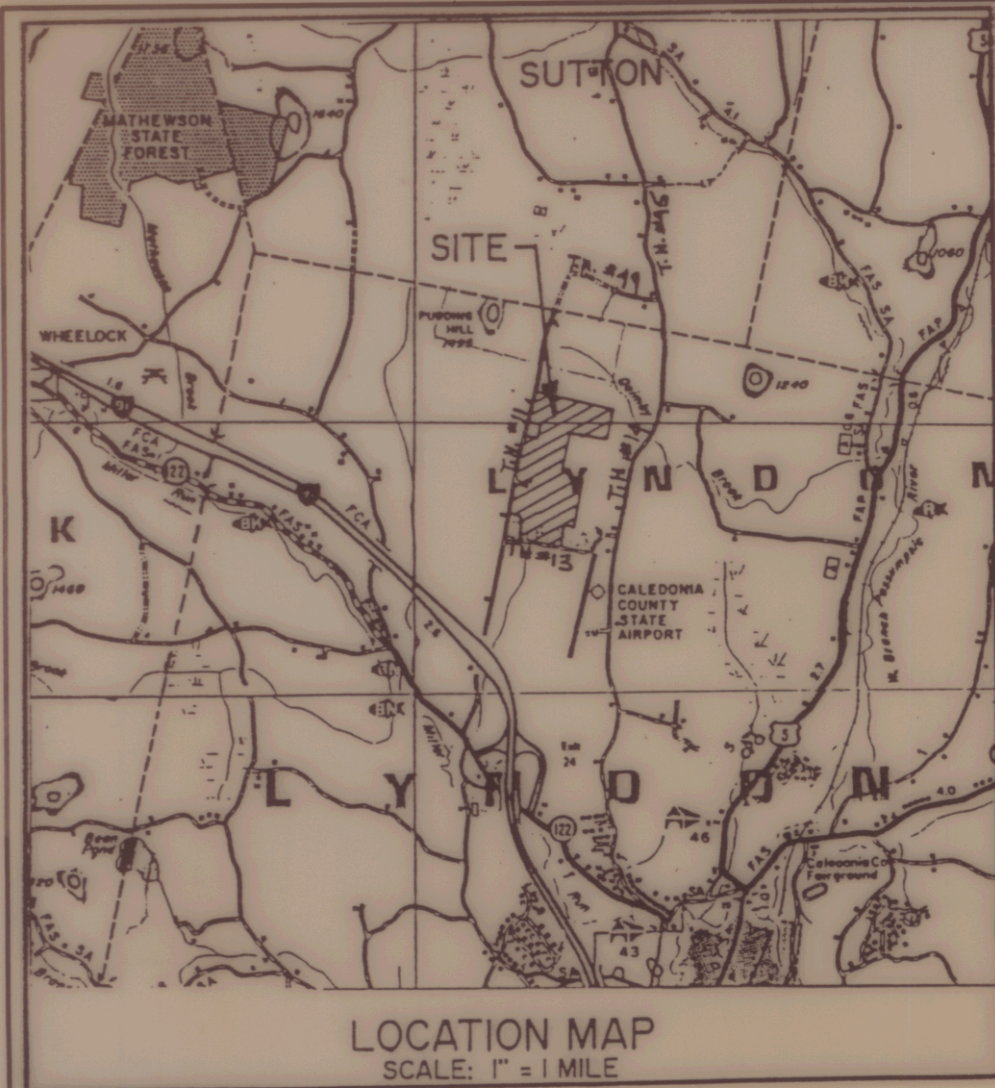
DATE: DEC. 6, 1994

DESIGNED BY: RLS  
DRAWN BY: GNS  
CHECKED BY: JAA  
APPROVED BY: DAF

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SHEET 12 OF 14 JOB NO. N12603

NO.	DATE	REVISION



PROFILE OF HAZARD BEACON 1

1" = 100' HORIZ.  
1" = 20' VERT.

PLAN AND PROFILE HAZARD BEACON 1  
PLAN ROTATING BEACON  
OF  
CALEDONIA COUNTY STATE AIRPORT  
PREPARED FOR  
VERMONT AGENCY OF TRANSPORTATION

SCALE: 1" = 100'      DATE: NOVEMBER 1994

DESIGNED BY: JAA  
DRAWN BY: SJB  
CHECKED BY: DAF  
APPROVED BY: DAF

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SHEET 13 OF 14      JOB NO. N12603

NO.	DATE	REVISION

CAD FILE NO. N12603/HZB01

HZB01