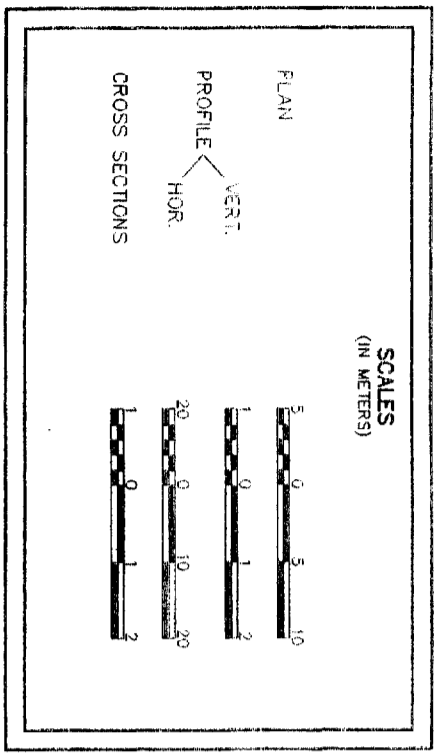


STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

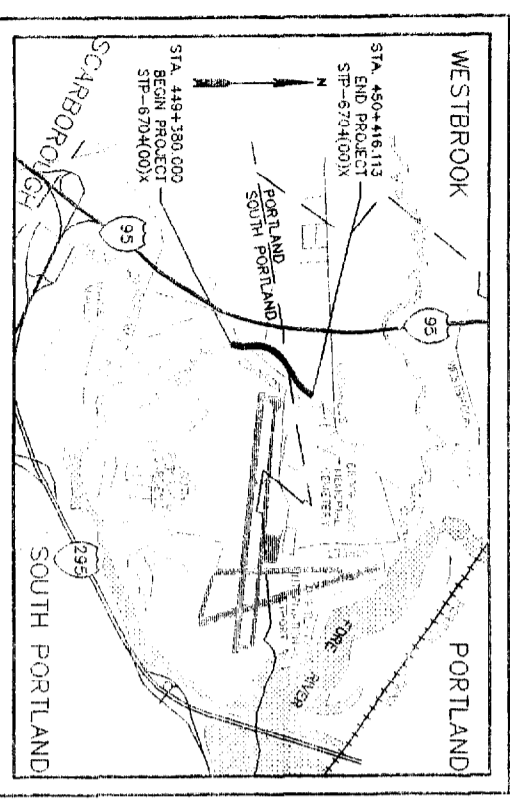


CONVENTIONAL SIGNS

COUNTY LINES	TRAVELLED WAY - PROPOSED
TOWN LINES	UNDESIGNED UTILITY - EXISTING
PROPERTY LINES	UNDESIGNED UTILITY - PROPOSED
R/W LINES - EXISTING	RAILROAD - SINGLE TRACK
R/W LINES - NEW ACCESS CONTROL	RAILROAD - DOUBLE TRACK
R/W LINES - NEW-HO ACCESS CONTROL	UTILITY POLE - EXISTING
CULVERT - EXISTING	UTILITY POLE - JOINT COOPERATION
CULVERT - PROPOSED	PROPOSED UTILITY POLE - TEMPORARY
CURBING - EXISTING	PROPOSED UTILITY POLE - PERMANENT
CURBING - PROPOSED	TREES
OVERPASS	WOODS
UNTRAVELLED WAY - EXISTING	



PROJECT DESIGN ENGINEER	DWB	BY	RHH	DATE	5/99
DESIGN-DETAILED	DWB		RHH		5/99
CHECKED			JHA		
REVISIONS					
FIELD CHANGES					

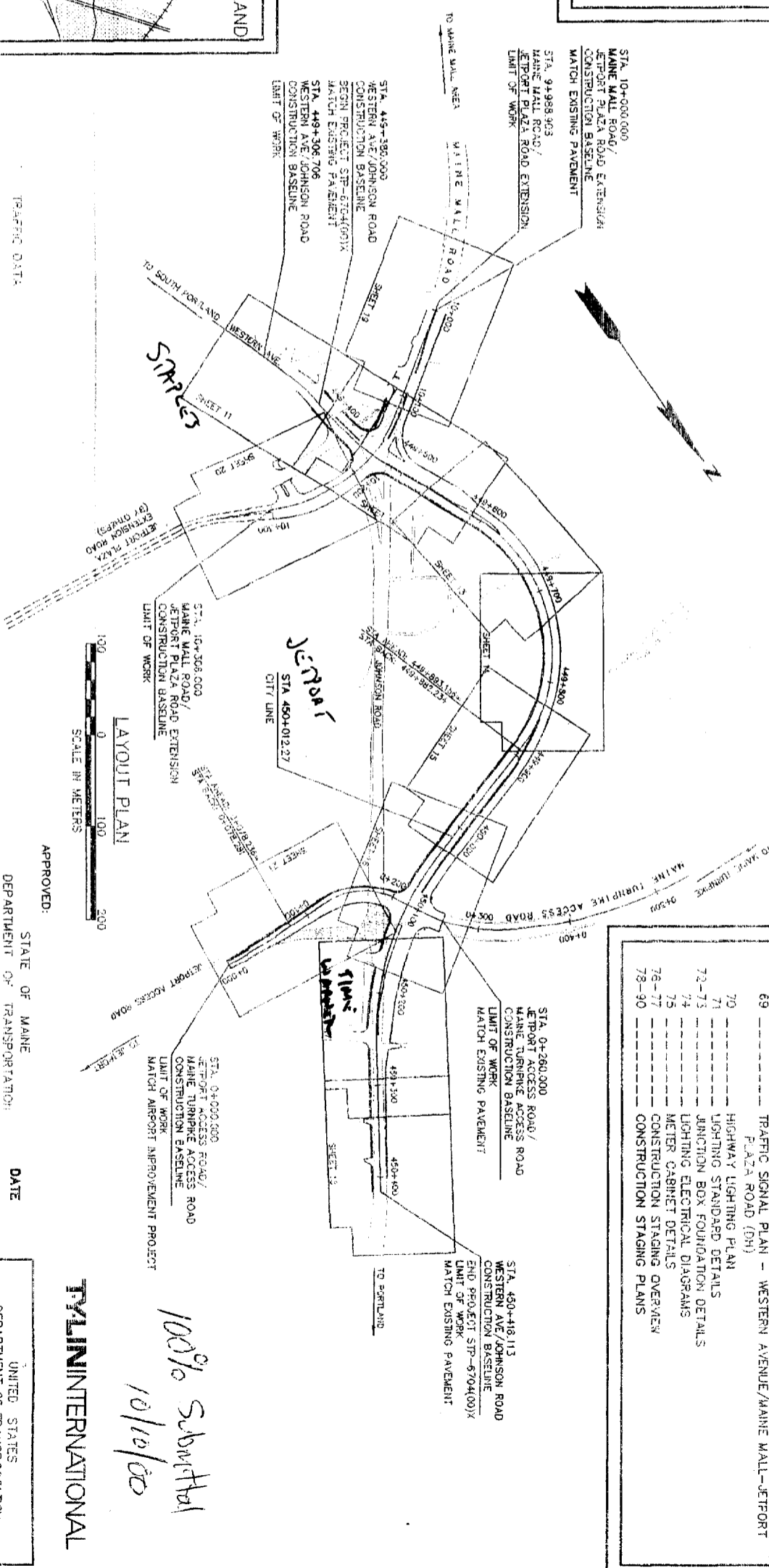


A PORTION OF CUMBERLAND COUNTY

SOUTH PORTLAND - CUMBERLAND COUNTY

NON-NHS

WESTERN AVENUE/JOHNSON ROAD RELOCATION
PROJECT NO. STP-6704(100)X
PROJECT LENGTH 1.025 KILOMETERS
A GRADING, DRAINAGE, BASE, PAVEMENT, STRIPING & SIGNAL PROJECT



TRAFFIC DATA

A.D.T.	3000	27170
A.D.T.	3020	33650
D.H.V.		3080
T.O% D.H.V.		*
D (% D.H.V.)		65
V. (km/h)		N/A
P.S.D (%)		N/A

NOTE: All work contemplated under this contract to be governed by and in conformity with the STANDARD SPECIFICATIONS (revision of April 1995) and supplemental thereto, except as modified on the plans and in the special provisions.

SHEET NO.	INDEX OF SHEETS	DESCRIPTION
1	1	TITLE SHEET
2-3	2	TYPICAL SECTIONS
4	3	ESTIMATED QUANTITIES
5-6	4	DRAINAGE SUMMARY
7-8	5	GENERAL NOTES
9	6	MISCELLANEOUS DETAILS
10	7	CONSTRUCTION PLANS
11-21	8	PROFILE - WESTERN AVENUE/JOHNSON ROAD
22-25	9	PROFILE - MAINE MALL ROAD/JETPORT PLAZA EXTENSION
26	10	PROFILE - MTA ACCESS/JETPORT ACCESS ROAD
27	11	INTERSECTION LAYOUT & GRADING PLAN - MAINE MALL ROAD/JETPORT PLAZA ROAD EXT.
28	12	INTERSECTION LAYOUT & GRADING PLAN - MAINE MALL ROAD/JETPORT ACCESS ROAD
29	13	INTERSECTION LAYOUT & GRADING PLAN - JETPORT ACCESS ROAD/MAINE TURNPIKE ACCESS ROAD
30	14	INTERSECTION CURB PROFILES - MAINE MALL ROAD/JETPORT PLAZA ROAD EXT.
31	15	INTERSECTION CURB PROFILES - MAINE TURNPIKE ACCESS ROAD/MAINE TURNPIKE ACCESS ROAD
32-34	16	CROSS SECTIONS - WESTERN AVENUE/JOHNSON ROAD
35-36	17	CROSS SECTIONS - MAINE MALL ROAD/JETPORT PLAZA ROAD EXT.
37-38	18	CROSS SECTIONS - JETPORT ACCESS ROAD/MTA ACCESS ROAD
39	19	SIGNING AND PAVEMENT MARKING PLANS
40	20	SIGN SUMMARY
41	21	SIGN ASSEMBLY SUMMARY
42	22	TRAFFIC SIGNAL PLAN - JOHNSON ROAD/JETPORT PLAZA ROAD (PH)
43	23	TRAFFIC SIGNAL PLAN - WESTERN AVENUE/MAINE MALL-JETPORT PLAZA ROAD (PH)
44	24	TRAFFIC SIGNAL PLAN - WESTERN AVENUE/MAINE MALL-JETPORT PLAZA ROAD (PH)
45	25	TRAFFIC SIGNAL PLAN - WESTERN AVENUE/MAINE MALL-JETPORT PLAZA ROAD (PH)
46	26	TRAFFIC SIGNAL PLAN - WESTERN AVENUE/MAINE MALL-JETPORT PLAZA ROAD (PH)
47	27	TRAFFIC SIGNAL PLAN - WESTERN AVENUE/MAINE MALL-JETPORT PLAZA ROAD (PH)
48	28	TRAFFIC SIGNAL PLAN - WESTERN AVENUE/MAINE MALL-JETPORT PLAZA ROAD (PH)
49	29	TRAFFIC SIGNAL PLAN - WESTERN AVENUE/MAINE MALL-JETPORT PLAZA ROAD (PH)
50	30	TRAFFIC SIGNAL PLAN - WESTERN AVENUE/MAINE MALL-JETPORT PLAZA ROAD (PH)
51	31	TRAFFIC SIGNAL PLAN - WESTERN AVENUE/MAINE MALL-JETPORT PLAZA ROAD (PH)
52	32	TRAFFIC SIGNAL PLAN - WESTERN AVENUE/MAINE MALL-JETPORT PLAZA ROAD (PH)
53	33	TRAFFIC SIGNAL PLAN - WESTERN AVENUE/MAINE MALL-JETPORT PLAZA ROAD (PH)
54	34	TRAFFIC SIGNAL PLAN - WESTERN AVENUE/MAINE MALL-JETPORT PLAZA ROAD (PH)
55	35	TRAFFIC SIGNAL PLAN - WESTERN AVENUE/MAINE MALL-JETPORT PLAZA ROAD (PH)
56	36	TRAFFIC SIGNAL PLAN - WESTERN AVENUE/MAINE MALL-JETPORT PLAZA ROAD (PH)
57	37	TRAFFIC SIGNAL PLAN - WESTERN AVENUE/MAINE MALL-JETPORT PLAZA ROAD (PH)
58	38	TRAFFIC SIGNAL PLAN - WESTERN AVENUE/MAINE MALL-JETPORT PLAZA ROAD (PH)
59	39	TRAFFIC SIGNAL PLAN - WESTERN AVENUE/MAINE MALL-JETPORT PLAZA ROAD (PH)
60	40	TRAFFIC SIGNAL PLAN - WESTERN AVENUE/MAINE MALL-JETPORT PLAZA ROAD (PH)
61	41	TRAFFIC SIGNAL PLAN - WESTERN AVENUE/MAINE MALL-JETPORT PLAZA ROAD (PH)
62	42	TRAFFIC SIGNAL PLAN - WESTERN AVENUE/MAINE MALL-JETPORT PLAZA ROAD (PH)
63	43	TRAFFIC SIGNAL PLAN - WESTERN AVENUE/MAINE MALL-JETPORT PLAZA ROAD (PH)
64	44	TRAFFIC SIGNAL PLAN - WESTERN AVENUE/MAINE MALL-JETPORT PLAZA ROAD (PH)
65	45	TRAFFIC SIGNAL PLAN - WESTERN AVENUE/MAINE MALL-JETPORT PLAZA ROAD (PH)
66	46	TRAFFIC SIGNAL PLAN - WESTERN AVENUE/MAINE MALL-JETPORT PLAZA ROAD (PH)
67	47	TRAFFIC SIGNAL PLAN - WESTERN AVENUE/MAINE MALL-JETPORT PLAZA ROAD (PH)
68	48	TRAFFIC SIGNAL PLAN - WESTERN AVENUE/MAINE MALL-JETPORT PLAZA ROAD (PH)
69	49	TRAFFIC SIGNAL PLAN - WESTERN AVENUE/MAINE MALL-JETPORT PLAZA ROAD (PH)
70	50	TRAFFIC SIGNAL PLAN - WESTERN AVENUE/MAINE MALL-JETPORT PLAZA ROAD (PH)
71	51	TRAFFIC SIGNAL PLAN - WESTERN AVENUE/MAINE MALL-JETPORT PLAZA ROAD (PH)
72	52	TRAFFIC SIGNAL PLAN - WESTERN AVENUE/MAINE MALL-JETPORT PLAZA ROAD (PH)
73	53	TRAFFIC SIGNAL PLAN - WESTERN AVENUE/MAINE MALL-JETPORT PLAZA ROAD (PH)
74	54	TRAFFIC SIGNAL PLAN - WESTERN AVENUE/MAINE MALL-JETPORT PLAZA ROAD (PH)
75	55	TRAFFIC SIGNAL PLAN - WESTERN AVENUE/MAINE MALL-JETPORT PLAZA ROAD (PH)
76	56	TRAFFIC SIGNAL PLAN - WESTERN AVENUE/MAINE MALL-JETPORT PLAZA ROAD (PH)
77	57	TRAFFIC SIGNAL PLAN - WESTERN AVENUE/MAINE MALL-JETPORT PLAZA ROAD (PH)
78	58	TRAFFIC SIGNAL PLAN - WESTERN AVENUE/MAINE MALL-JETPORT PLAZA ROAD (PH)
79	59	TRAFFIC SIGNAL PLAN - WESTERN AVENUE/MAINE MALL-JETPORT PLAZA ROAD (PH)
80	60	TRAFFIC SIGNAL PLAN - WESTERN AVENUE/MAINE MALL-JETPORT PLAZA ROAD (PH)

APPROVED: _____
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
COMMISSIONER

DATE: _____

APPROVED: _____
UNITED STATES
DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
REGION 1

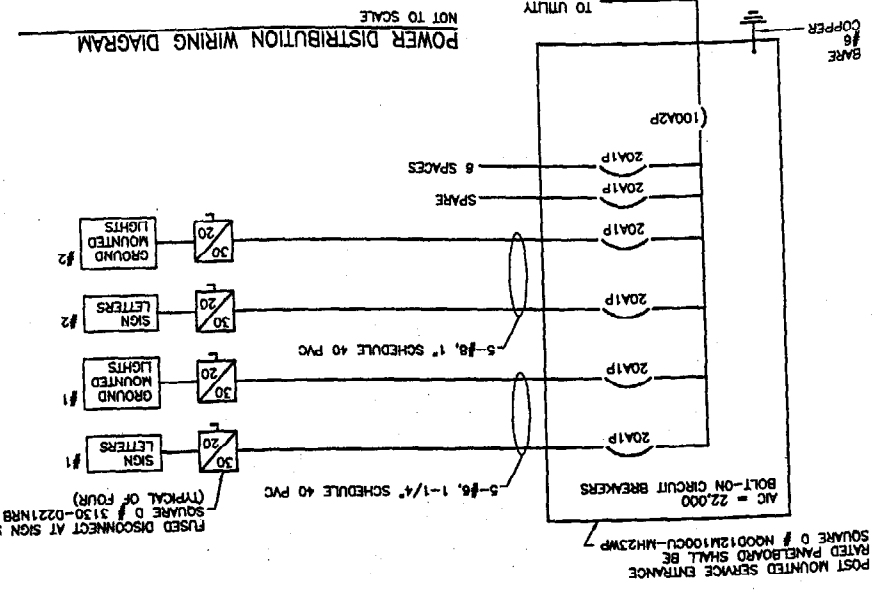
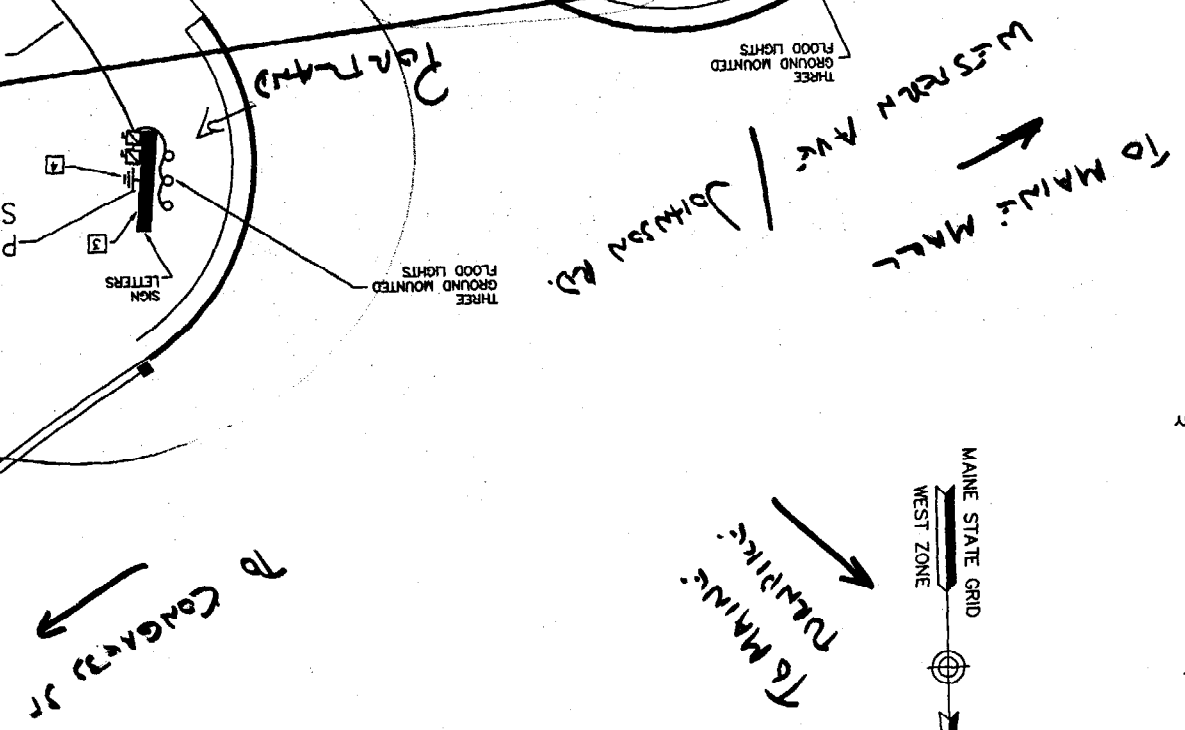
DATE: _____

DIVISION ADMINISTRATOR

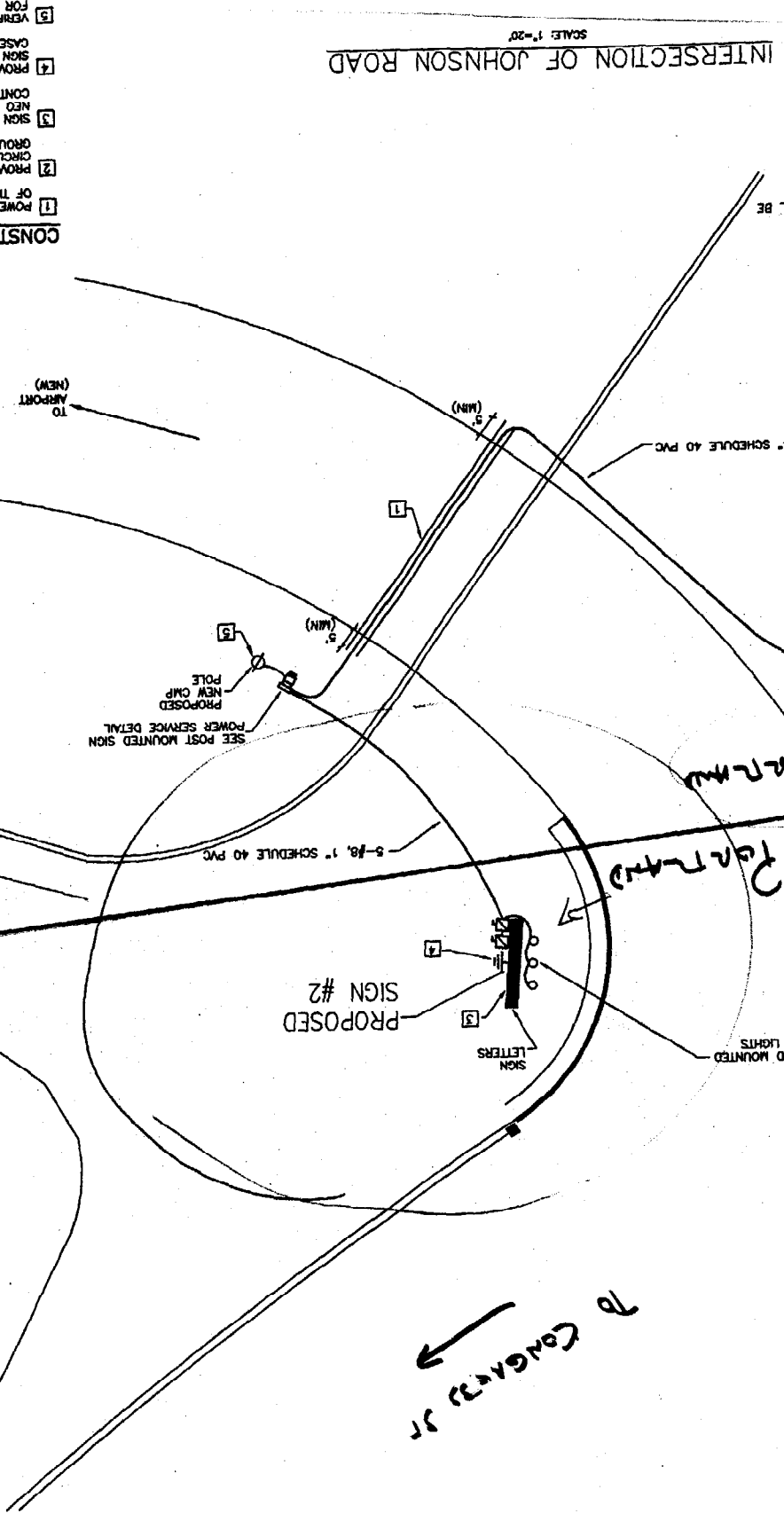
100% Submitted
10/16/00
TYLINTNINTERNATIONAL

L NOTES

- 1. SHALL BE DONE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE, NFPA70-1999.
- 2. CONTRACTOR SHALL COORDINATE HIS WORK WITH THAT OF OTHER TRADES.
- 3. CONTRACTOR SHALL VERIFY THE EXACT ELECTRICAL CONNECTION OR EQUIPMENT OF OTHER TRADES WITH THOSE TRADES BEFORE COMMENCING ELECTRICAL WORK.
- 4. CONTRACTOR SHALL VERIFY DIMENSIONS IS SHOWN DIAGRAM AND EXACT LOCATIONS ARE TO BE DETERMINED IN THE FIELD.
- 5. DIFFERENCES EXIST BETWEEN TWO OR MORE DESCRIPTIONS OF WORK TO BE DONE, THE MORE DETAILED DESCRIPTION SHALL PREVAIL.
- 6. MATERIAL NOT NORMALLY PROVIDED BY THE UTILITY OR CONTRACTOR BUT REQUIRED IN THE COURSE OF PROVIDING SERVICE SHALL BE PROVIDED BY THE CONTRACTOR.
- 7. DOMESTIC CONDUCTORS ARE COPPER WITH THWN INSULATION UNLESS OTHERWISE NOTED.
- 8. CONTRACTOR SHALL ARRANGE TO HAVE THE ELECTRICAL INSPECTOR INSPECT ALL WORK BEFORE IT IS CONCEALED.
- 9. CONTRACTOR SHALL PROVIDE TO THE OWNER A ONE YEAR WARRANTY ON MATERIAL AND LABOR.



INTERSECTION OF JOHNSON ROAD



- CONSTRUCTION NOTES:**
1. POWER WIRING UNDER ROAD AND EXTENDING 5 FEET BEYOND THE EDGE OF THE PAVED AREA SHALL BE IN THREADED RIGID METAL CONDUIT.
 2. PROVIDE TWO 20A1P BRANCH CIRCUITS TO EACH SIGN LOCATION. ONE CIRCUIT IS FOR THE SIGN LETTERS AND THE OTHER CIRCUIT IS FOR THE GROUND MOUNTED LIGHTS.
 3. SIGN LETTERS AND GROUND MOUNTED FLOOD LIGHTS ARE FURNISHED BY CONTRACTOR IN ACCORDANCE WITH SHOP DRAWINGS FROM MEO CRAFT. MEO CRAFT SHALL BE INSTALLED AND WIRED BY THE ELECTRICAL CONTRACTOR.
 4. PROVIDE A 3/8" X 10" GROUND ROD AT EACH SIGN LOCATION. BOND THE SIGN LETTERS AND FLOOD LIGHT EQUIPMENT GROUNDING CONDUCTOR AND CASE GROUNDS TO THESE GROUND RODS.
 5. VERIFY EXACT LOCATION OF RISER POLE WITH CMP. CARRY AN ALLOWANCE FOR 100 FEET OF UNDERGROUND FEEDER FROM RISER POLE TO METER.

REV.	DATE	DESCRIPTION
1	3/21/02	ISSUED FOR BID

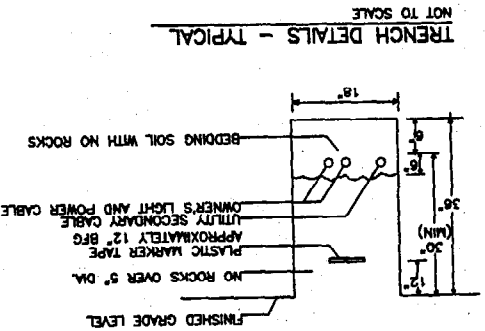
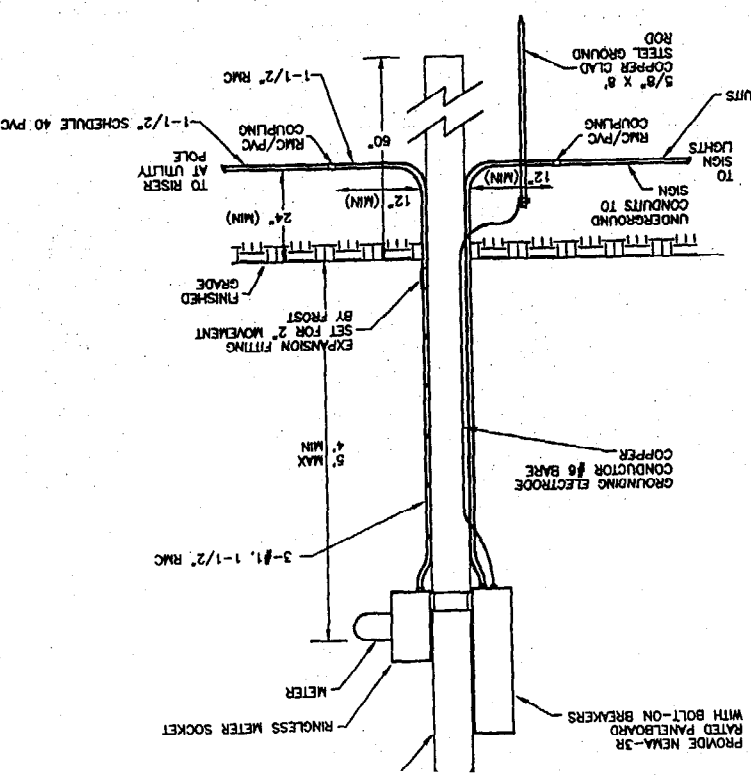
REVISIONS



PROJECT: RELOCATE PERIMETER ROAD APR 3-29-02-88-48
SHEET TITLE: JOHNSON ROAD SIGN LOCATION AND ELECTRICAL PLAN
CLIENT: PORTLAND INTERNATIONAL AIRPORT
SHEET NO.: 1
DRAWN: MAR 21
DESIGNED: RFS
CHECKED: RFS
FILE NAME: JOHNSON-E1
SHEET 1

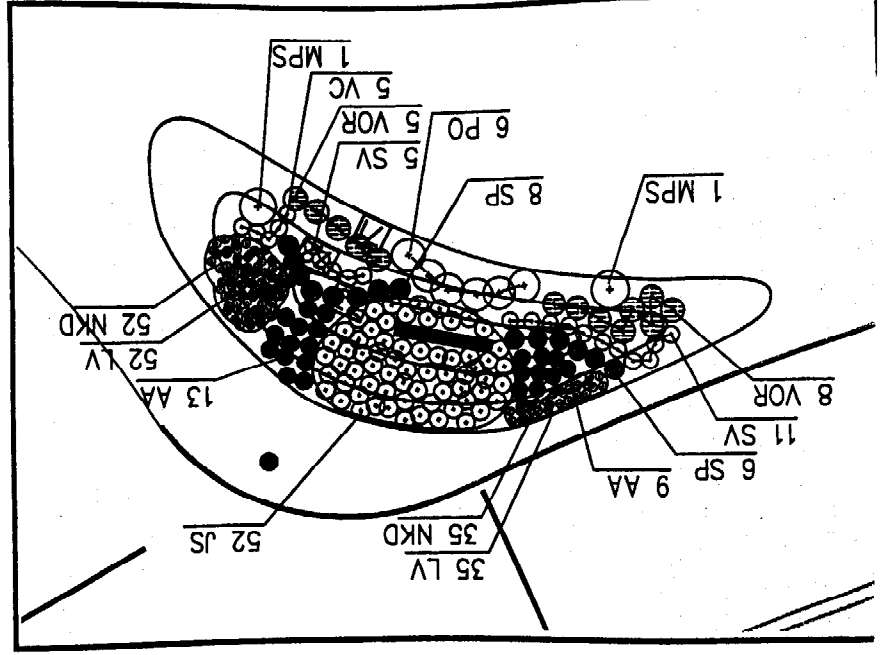


POST MOUNTED SIGN POWER SERVICE DETAIL



CAUTION
REVIEW CIVIL ENGINEER'S UNDERGROUND OF THIS SAFE BEFORE EXCAVATING.

INTERSECTION OF JOHNSON ROAD
TYPICAL PLANTINGS AT EACH SIGN
SCALE: 1"=20'

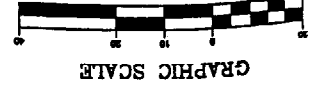
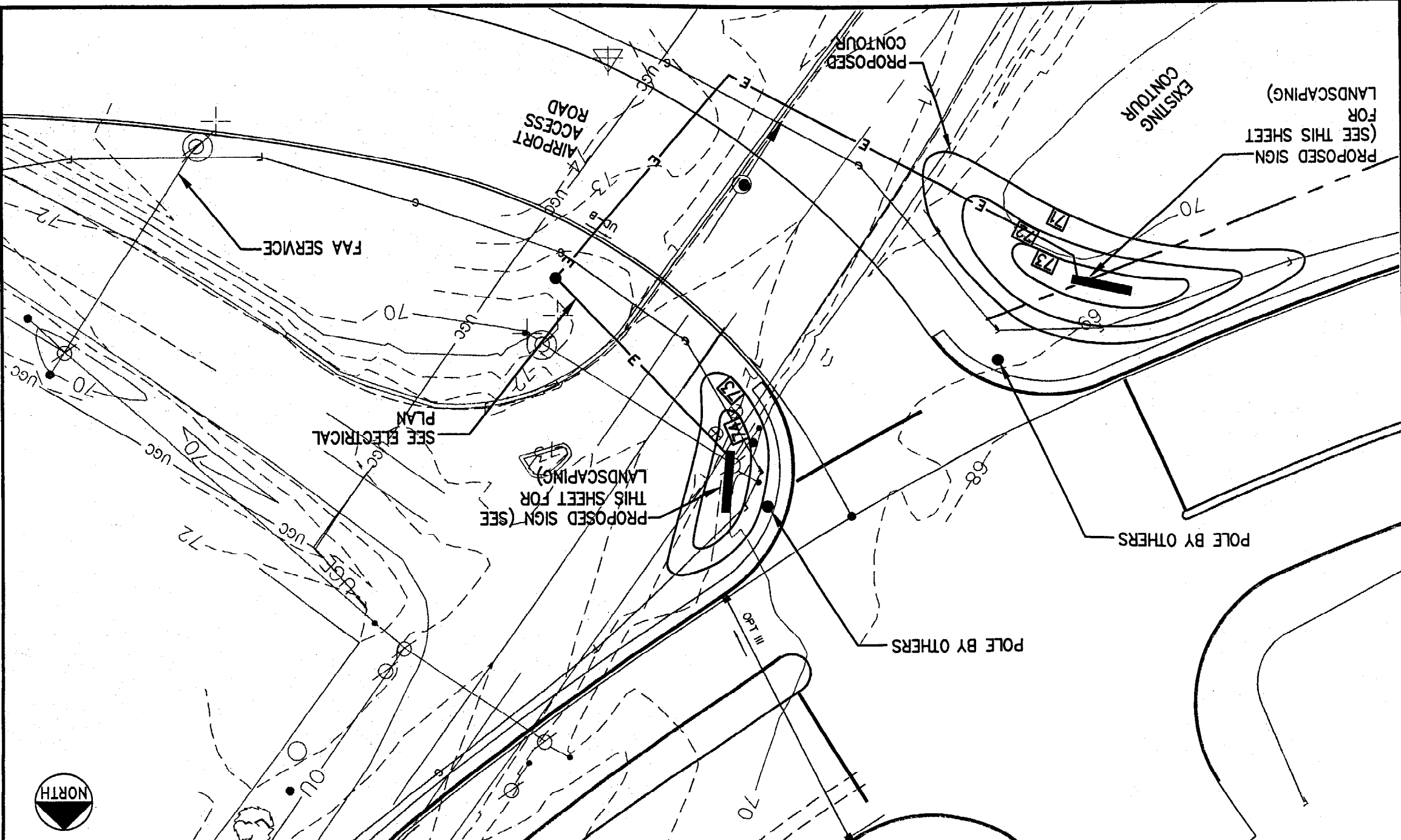


PLANT LIST - (INCLUDES BOTH SIGNS)

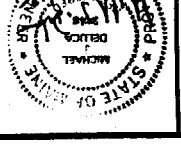
KEY #	BOTANICAL NAME	SIZE	SPACING
VOR 28	ABUTILON CRISTATUS ROSEANUS	2 1/2' PC	8' O.C.
SV 32	STYRACIA VILGOSA	2 1/2' CONT	4' O.C.
SP 28	SPARGANGLIA VANDERLINDII	1 1/2' PC	8' O.C.
AA 44	ARONIA ARBURTA 'BRIGHTLANTANA'	1 1/2' PC	8' O.C.
LV 174	LUPINUS VILGOSA, NATIVE VARIETY	BR DIV.	16' O.C.
NKD 174	MAEGESUS 'JONG ALFREDO' PLANT IN GROUPS OF 12 SPACED EVENLY	DM BR	16' O.C.
JS 104	JANQUETIA CHINESE SANGRENTI	15-18" SPL. PC	5' O.C.
SPS 4	MALUS PROFESSOR SPRINGER CRAB	1 1/2' CAL BAR	16' O.C.
VC 10	VACUNIA CORNUBONA	3-4' H	4' O.C.
PO 12	PICEA OMORICA LARGE DECIDUOUS TREES	5' BAR	5' O.C.

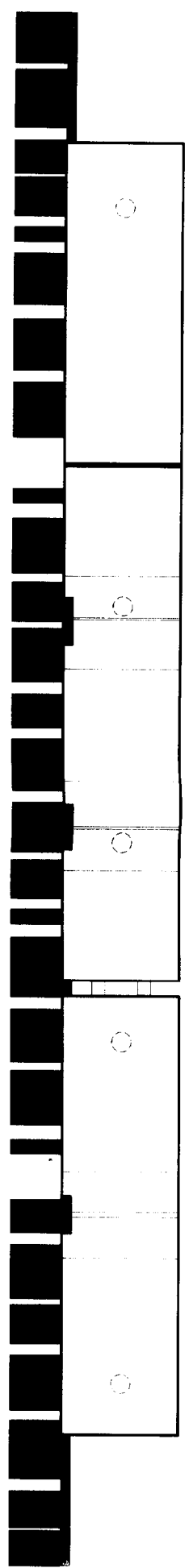
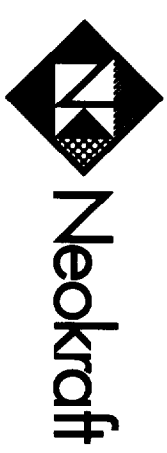
INTERSECTION OF JOHNSON ROAD GRADING PLAN
SCALE: 1"=20'

NOTES:
1. WORK MUST BE COORDINATED WITH ROOT AND R.L. GRONON AND SONS, THEIR WORK SCHEDULED TO BE COMPLETED BY OCTOBER 2002.
2. SEE ELECTRICAL PLAN FOR POWER.



PROJECT: REHABILITATE RUNWAY 11-28 AND CONSTRUCT SNOW SHOULDERS AND EDGE LIGHTS (PHASE 1); RELOCATE PERIMETER ROAD AIP 3-23-0038-46
 SHEET TITLE: JOHNSON ROAD SIGN LOCATION
 DRAWN: HME DATE: MAR 2002
 DESIGNED: MJD SCALE: 1"=20'
 DLUCA-HOFFMAN ASSOCIATES, INC.
 778 MAIN STREET, SUITE 8
 SOUTH PORTLAND, ME 04106
 (207) 778-1121
 DLUCA@DLUCAHOFHMAN.COM





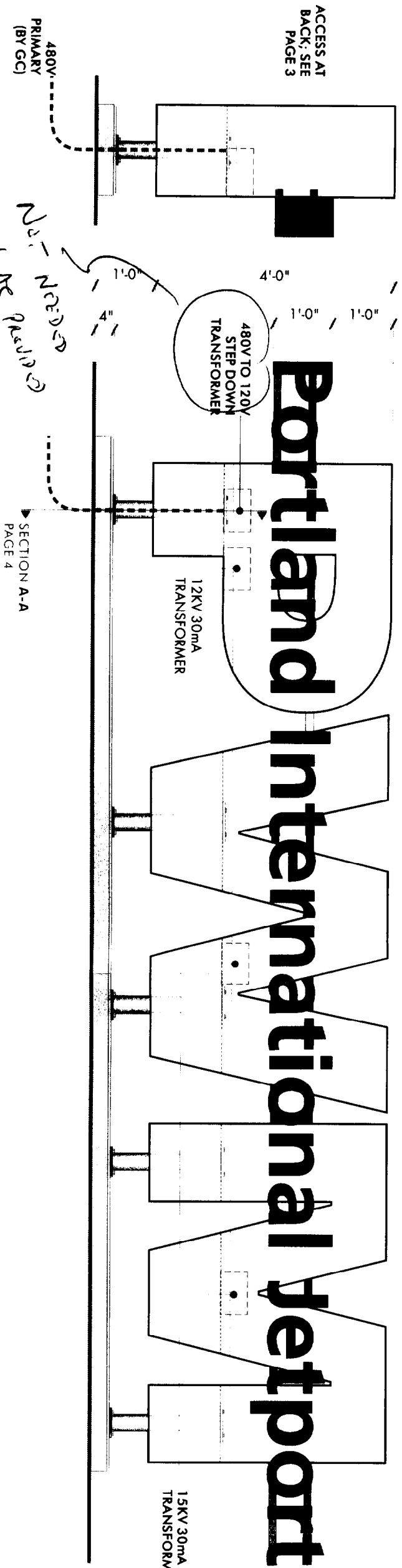
TOP VIEW

COLORS

"PWM" LETTERS: MAP 38A-2P PORCELAIN (SATIN)

"PORTLAND INTERNATIONAL JETPORT"
R&H NO. 2648 BLUE OR ACRYLITE 630-0 FACES;
MAP 67B-4D SPECTRUM BLUE (GLOSS) BACKS
AND RETURNS; MAP 39A-2P WINTER SKY (GLOSS) LETTER INTERIORS

INTER-LETTER CONNECTIONS, SUPPORT PIPES, MOUNTING PLATES, EXPOSED RACEWAY SUPPORTS: MAP 13C-1P GRAY BUTTON (MATTE)



Portland International Jetport

FABRICATED NON-ILLUMINATED 1/8" ALUMINUM FACES, BACKS, AND RETURNS, PAINTED; PROVIDE ALL REQUIRED INTERNAL BRACING/STIFFENING

PROVIDE 3" I.D. ALUMINUM PIPE WITH ALUMINUM BASE PLATES, PAINTED MAP 13C-1P GRAY BUTTON (MATTE), SLEEVED OVER 2 1/2" I.D. STEEL PIPE, LET-IN TO AND WELDED TO STEEL BASE-PLATES INSIDE SIGN; STEEL SET IN CONCRETE BASE

1 1/2" I.D. ALUMINUM INTER-LETTER CONNECTION FOR STIFFENING AND ELECTRICAL CONDUIT

PAINTED AND FABRICATED INTERNALLY ILLUMINATED LETTERS, GSP FRUITIGER 65, WITH ACRYLIC FACES. PROVIDE MECHANICAL FASTENING TO FACE OF "PWM" LETTERS AND/OR ALUMINUM RACEWAY SUPPORTS

CONCRETE BASE AND FOOTINGS, TO 4" ABOVE FINISHED GRADE; PROVIDE 1" BEVEL AROUND TOP EDGES

PROVIDE SERVICE DISCONNECT SWITCH ON BACK OF "PWM" LETTERS

END VIEW

S/F CUSTOM ILLUMINATED GROUND SIGN WITH LIGHTED LETTERS
SCALE: 1/2" = 1'-0" (2) REQUIRED

Handwritten notes:
No. Needed
Pump Ke Qualifier
NO SIGN FROM
NO PUMP

Handwritten signatures:
1/22/02
D. Sysko
M. J. ...

Neokraft Signs Inc., 686 Main Street, Lewiston, ME 04240
T: 207.782.9654 F: 207.782.0009 1.800.339.2258
info@neokraft.com http://www.neokraft.com

NUMBER: 02NK9029 PAGE 1 OF 6
JOB NAME: PORTLAND INTERNATIONAL JETPORT
LOCATION: PARKING GARAGE, WESTBROOK ST., PORTLAND, ME
PROJ. MGR.: P. LESSARD / T. STADE
DRAWN BY: D. SYSKO
DATE: 07.12.2002