

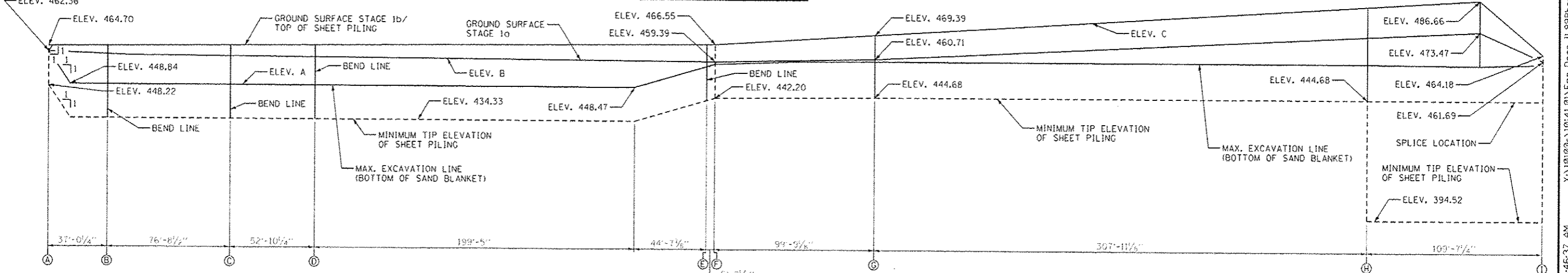
- NOTES:**
1. IN THE AREAS WHERE WICK DRAINS WILL BE INSTALLED, THE EXISTING GROUND SHALL BE PREPARED ACCORDING TO ART. 205 EXCEPT THE EXISTING PAVEMENT AND SHOULDERS SHALL BE REMOVED OR BROKEN UP INTO PIECES NOT TO EXCEED 3 SQ. FT.
 2. FOLLOWING PREPARATION OF THE EXISTING GROUND, A SAND DRAINAGE BLANKET 2 FT. THICK OR 3 FT. THICK SHALL BE PLACED WITHIN THE LIMITS OF THE WICK DRAINS.
 3. THE CONTRACTOR SHALL INSTALL THE WICK DRAINS THROUGH THE SAND DRAINAGE BLANKET AND BROKEN PAVEMENT USING A METHOD ACCEPTABLE TO THE ENGINEER WHICH DOES NOT DAMAGE THE WICK DRAINS. SEE WICK DRAINS SPECIAL PROVISION.
 4. FOR SETTLEMENT PLATFORM REQUIREMENTS SEE ART. 204.06. FOR SETTLEMENT PLATFORM DETAILS, SEE ROADWAY DETAILS SHEETS AND SETTLEMENT PLATFORMS SPECIAL PROVISION. SETTLEMENT PLATFORMS SHALL BE USED TO VERIFY THERE IS 0.4 INCHES OR LESS LEFT OF SETTLEMENT AFTER GROUND IMPROVEMENT PRIOR TO INSTALLATION OF THE PILES AT THE ABUTMENTS.
 5. FOR SLOPE INCLINOMETER DETAILS SEE SLOPE INCLINOMETER SPECIAL PROVISION.
 6. FOR PIEZOMETER DETAILS SEE SHEET G13 OF G13.
 7. FOR WICK DRAIN DETAILS SEE SHEET G13 OF G13.
 8. FOR BILL OF MATERIALS SEE SHEET G13 OF G13.
 9. WHEN THE LENGTH OF THE TEMPORARY SHEET PILING EXCEEDS 55 FEET, SPLICING OF INDIVIDUAL SHEETS WILL BE PERMITTED. ANY SPLICES SHALL BE LOCATED BELOW THE "SPlice LOCATION" SHOWN. SPLICES OF THE TEMPORARY SHEET PILING WILL NOT BE MEASURED FOR PAYMENT.
 10. A 800 PSF SURCHARGE SHALL BE USED BETWEEN STA. 148+00 TO THE BACK OF THE PROPOSED NORTH ABUTMENT ON THE ENTIRE TOP WIDTH OF THE STAGE 1b FILL. A 1,050 PSF SURCHARGE SHALL BE USED BETWEEN THE PROPOSED SOUTH ABUTMENT AND STA. 168+50 AND THEN DECREASE FROM 1,050 TO 350 PSF FROM STA. 168+50 TO 170+00 ON THE ENTIRE WIDTH OF STAGE 1b FILL.
 11. SEE THE SPECIAL PROVISIONS FOR "SURCHARGE" FOR THE MINIMUM WAITING PERIOD PRIOR TO THE INSTALLATION OF PILING FOR THE BRIDGE ABUTMENTS.
 12. SHEET PILING YIELD STRESS (f) IS 38.5 KSI.
 13. ALL NOTES APPLY TO BOTH NORTH AND SOUTH APPROACH PLANS.

LEGEND

- 24" THICK SAND DRAINAGE BLANKET AND WICK DRAINS ON 7'-6" TRIANGULAR PATTERN CONSTRUCTED DURING PRESTAGE CONSTRUCTION
- 24" THICK SAND DRAINAGE BLANKET AND WICK DRAINS ON 7'-6" TRIANGULAR PATTERN CONSTRUCTED DURING STAGE 1a CONSTRUCTION
- 36" THICK SAND DRAINAGE BLANKET AND WICK DRAINS ON 7'-6" TRIANGULAR PATTERN CONSTRUCTED DURING STAGE 1a CONSTRUCTION
- SETTLEMENT PLATFORM LOCATIONS
- PIEZOMETER LOCATIONS
- SLOPE INCLINOMETER LOCATIONS
- TEMPORARY SHEET PILING

POINT	PR. IL 89 STA.	PR. IL 89 OFFSET
A	139+86.48	0.00' RT.
B	140+23.50	0.00' RT.
C	141+00.00	5.60' RT.
D	141+50.00	23.00' RT.
E	143+94.78	23.00' RT.
F	144+00.00	23.24' RT.
G	145+00.00	27.21' RT.
H	148+09.07	31.47' RT.
I	149+18.75	30.59' RT.

STATION	ELEV. A	ELEV. B	ELEV. C
140+00	448.84	462.00	464.76
140+50	449.01	460.82	464.17
141+00	448.88	460.13	463.78
141+50	448.94	460.13	463.48
142+00	448.84	459.61	463.63
142+50	448.71	459.29	464.01
143+00	448.61	459.13	464.62
143+50	448.47	459.10	465.47
144+00	458.34	459.40	466.55
144+50	459.56	460.10	467.85
145+00	459.74	460.71	469.39
145+50	459.90	461.55	471.17
146+00	460.03	462.69	473.17
146+50	459.99	463.87	475.41
147+00	460.10	465.40	477.86
147+50	460.08	467.32	480.35
148+00	459.79	469.67	482.85
148+50	459.54	472.07	485.34
149+00	459.77	467.21	474.70



TEMPORARY SHEET PILING

(MINIMUM SECTION MODULUS 22.4 IN³/FT AND MOMENT OF INERTIA OF 138.3 IN⁴/FT BETWEEN STATIONS 139+86.48 AND 145+00.00)
(MINIMUM SECTION MODULUS 26.1 IN³/FT AND MOMENT OF INERTIA OF 162.5 IN⁴/FT BETWEEN STATIONS 145+00.00 AND 149+18.75)
(DIMENSIONS ALONG FRONT FACE OF TEMPORARY SHEET PILING, LOOKING AT FRONT FACE OF SHEET PILING)

LIN ENGINEERING, LTD.
Consulting Engineers
Springfield, Illinois

USER NAME: mshellenthal	DESIGNED: HP/JJA	REVISED: 10/27/2015 MFH
FILE NAME: 0366609-sh1-G1-01.dgn	CHECKED: JRS	REVISED: -
PLD1 SCALE: -	DRAWN: AJF	REVISED: -
PLD1 DATE: 10/22/2015	CHECKED: JRS	REVISED: -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GROUND IMPROVEMENT
NORTH APPROACH PLAN**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	(1) BR	BUREAU/PUTNAM	415	147
CONTRACT NO. 66A69			ILLINOIS FED. AID PROJECT	

SHEET NO. G11 OF G13 SHEETS

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