Lewis TWP.
T-74N R-43W
SEC. 7

MCDERMOTT ST

For Mainline I-29 Details
Refer to Sheets No. D.1-D.7

For Interchange Geometrics
Refer to Sheets No. K.1-K.6

SETTLEMENT PLATES

1. Settlement plates shall be installed by the grading contractor at the locations shown in the plans as per detail shown in Standard Roadway plan RL-6 and in accordance with Section 2106 of the Standard Specifications.
2. Care shall be taken to protect the settlement plates from damage during placement of the embankment fill from equipment traffic or construction activities.
3. Settlement plate readings shall be taken by the Iowa DOT Resident Construction Engineer or his representative at the start and end of placing of each embankment lift and at weekly intervals after the fill is placed to its final height for a period of 10 weeks at the end of fill placement and once every two weeks for 20 weeks thereafter. Additional readings over additional duration may be needed based on the settlement plate readings. The total estimated delay period between the end of grading and start of paving operations is 200 days.

382C MCO METRO CROSSING

EXTENTS OF GROUND IMPROVEMENTS (RIGID INCLUSIONS/ STONE COLUMNS/ RAMMED AGGREGATE PIERS)

SETTLEMENT PLATE #SP9 (SEE SHEET C.1 FOR DETAILS)

LIMITS OF EXCAVATION (SEE SHEET Q.57 FOR DETAILS)

SINGLE TEST ELEMENT (SEE SHEET Q.56 FOR DETAILS)

P-3974 (EL=1000.78)

P-3976 (EL=999.70)

DENMARK DR.

80120

80125

306059 306060 24F 2600 m 8531 ft

306059

EXISTING PAVEMENT (REMOVE)

I 29

2013 PCJT-Hwy92 48F 0 m 0 ft

SOUTHBOUND I-29

80130

NORTHBOUND I-29

EXISTING PAVEMENT (REMOVE)

P-3256 (EL=997.95)

EXTENTS OF GROUND IMPROVEMENTS (RIGID INCLUSIONS/ STONE COLUMNS/ RAMMED AGGREGATE PIERS)

LIMITS OF EXCAVATION (SEE SHEET Q.57 FOR DETAILS)

306060 306060 8F 1700 m 5578 ft

US 275 RAMP C

POTTAWATTAMIE

VETERANS MEMORIAL HWY

OMAHA BRIDGE RD

US 275

SETTLEMENT PLATE #SP10 (SEE SHEET C.1 FOR DETAILS)

SETTLEMENT PLATE #SP8

Conc.

P-3975 (EL=1000.60)

BR-24 (EL=1002.47)

BR-28 (EL=1001.54)

LOOP B

US 275 RAMP D

US 275 LOOP B

EXISTING PAVEMENT (REMOVE)

US 275 RAMP A

SEE SHEET Q.58 FOR CULVERT DETAILS

LIMIT OF 500' LEVEE CRITICAL ZONE

POINT	STATION	OFFSET	SIDE	POINT	STATION	OFFSET	SIDE
A	80123+98.35	113.78	LT	AA	80131+61.21	17.13	RT
B	80124+50.00	113.59	LT	BB	80131+77.66	94.21	LT
C	80126+30.00	108.01	LT	CC	80131+83.74	135.32	LT
D	80127+91.35	104.99	LT	DD	80131+99.75	168.10	LT
E	80127+86.98	8.75	RT	EE	80132+00.00	93.58	LT
F	80127+00.00	6.80	RT	FF	80132+50.00	79.80	LT
G	80126+50.00	4.16	RT	GG	80132+69.95	135.81	LT
H	80126+30.00	9.62	RT	HH	80132+69.95	81.10	LT
I	80126+00.00	6.29	RT	II	80132+69.95	24.13	RT
J	80125+50.00	2.90	RT	JJ	80132+50.00	25.42	RT
K	80124+54.07	0.69	RT	KK	80132+00.00	18.00	RT

EXCAVATION

1. The contractor shall cut benches of approximately 5 feet high in the excavated foreslope prior to placement of new embankment fill.

TAMA FARM RD

For Bridge Situation Plans
Refer to Sheets No. V.1-V.2

For Interchange Grading Details
Refer to Sheets No. K.8-K.10

0 FEET 50

For US 275 Details
Refer to Sheets No. E.1-E.5

US 275

ogerboe\Ryan\Hamsk1\CH2MHILL

C	ENGLISH	IOWA DOT	DESIGN TEAM Sk	POTTAWATTAMIE COUNTY	PROJECT NUMBER IM-NHS-29-3(97)48--03-78	SHEET NUMBER Q.26

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For Wabash Trace Details
Refer to Sheet No. E.6

Lewis TWP.
T-74N R-43W
SEC. 7

SETTLEMENT PLATES

1. Settlement plates shall be installed by the grading contractor at the locations shown in the plans as per detail shown in Standard Roadway plan RL-6 and in accordance with Section 2106 of the Standard Specifications.
2. Care shall be taken to protect the settlement plates from damage during placement of the embankment fill from equipment traffic or construction activities.
3. Settlement plate readings shall be taken by the Iowa DOT Resident Construction Engineer or his representative at the start and end of placing of each embankment lift and at weekly intervals after the fill is placed to its final height for a period of 10 weeks at the end of fill placement and once every two weeks for 20 weeks thereafter. Additional readings over additional duration may be needed based on the settlement plate readings. The total estimated delay period between the end of grading and start of paving operations is 200 days.

EXCAVATION

1. The contractor shall cut benches of approximately 5 feet high in the excavated foreslope prior to placement of embankment fill.

2013 PCJT-Hwy92 48F
0 m 0 ft

LIMIT OF 500' LEVEE CRITICAL ZONE

LIMITS OF EXCAVATION (SEE SHEET Q.57 FOR DETAILS)

EXTENTS OF GROUND IMPROVEMENTS (RIGID INCLUSIONS)

306050-306060 8F
1700 m 5578 ft

SETTLEMENT PLATE #SP11, SP12 (SEE SHEET C.1 FOR DETAILS)

BR-29
(EL=997.92)

RB-21
(EL=999.05)

WABASH TRACE

EXTENTS OF GROUND IMPROVEMENTS (RIGID INCLUSIONS)

LIMITS OF EXCAVATION (SEE SHEET Q.57 FOR DETAILS)

SETTLEMENT PLATE #SP13 (SEE SHEET C.1 FOR DETAILS)

BR-02
(EL=1017.01)

LIMIT OF 500' LEVEE CRITICAL ZONE

US 275

POTTAWATTAMIE

OMAHA BRIDGE RD

MOSQUITO CREEK

C.B.E.C. R.R.

FUTURE C.B.E.C. R.R. (BY OTHERS)
C.B.E.C. R.R. (BY OTHERS)
B.N.S.F. R.R. (BY OTHERS)

JOSEPH R. MCDERMOTT
ADA MCDERMOTT

CITY OF COUNCIL BLUFFS

POINT	STATION	OFFSET	SIDE	POINT	STATION	OFFSET	SIDE	POINT	STATION	OFFSET	SIDE
A	80134+87.70	95.38	LT	AA	80148+35.49	103.58	LT	II	80154+00.00	9.01	RT
B	80135+50.00	91.59	LT	BB	80150+00.00	106.34	LT	JJ	80152+50.00	9.42	RT
C	80137+50.00	94.41	LT	CC	80152+00.00	88.87	LT	KK	80152+00.00	10.26	RT
D	80139+14.71	90.17	LT	DD	80154+00.00	80.81	LT	LL	80151+00.00	6.51	RT
E	80138+48.78	13.82	RT	EE	80154+50.00	87.28	LT	MM	80150+50.00	2.63	RT
F	80137+50.00	10.68	RT	FF	80156+00.30	86.87	LT	NN	80148+52.43	3.69	LT
G	80136+50.00	12.73	RT	GG	80155+99.62	4.49	LT	OO	80148+54.14	69.89	RT
H	80136+00.00	14.52	RT	HH	80154+50.00	1.64	RT				
I	80135+36.88	12.41	RT								

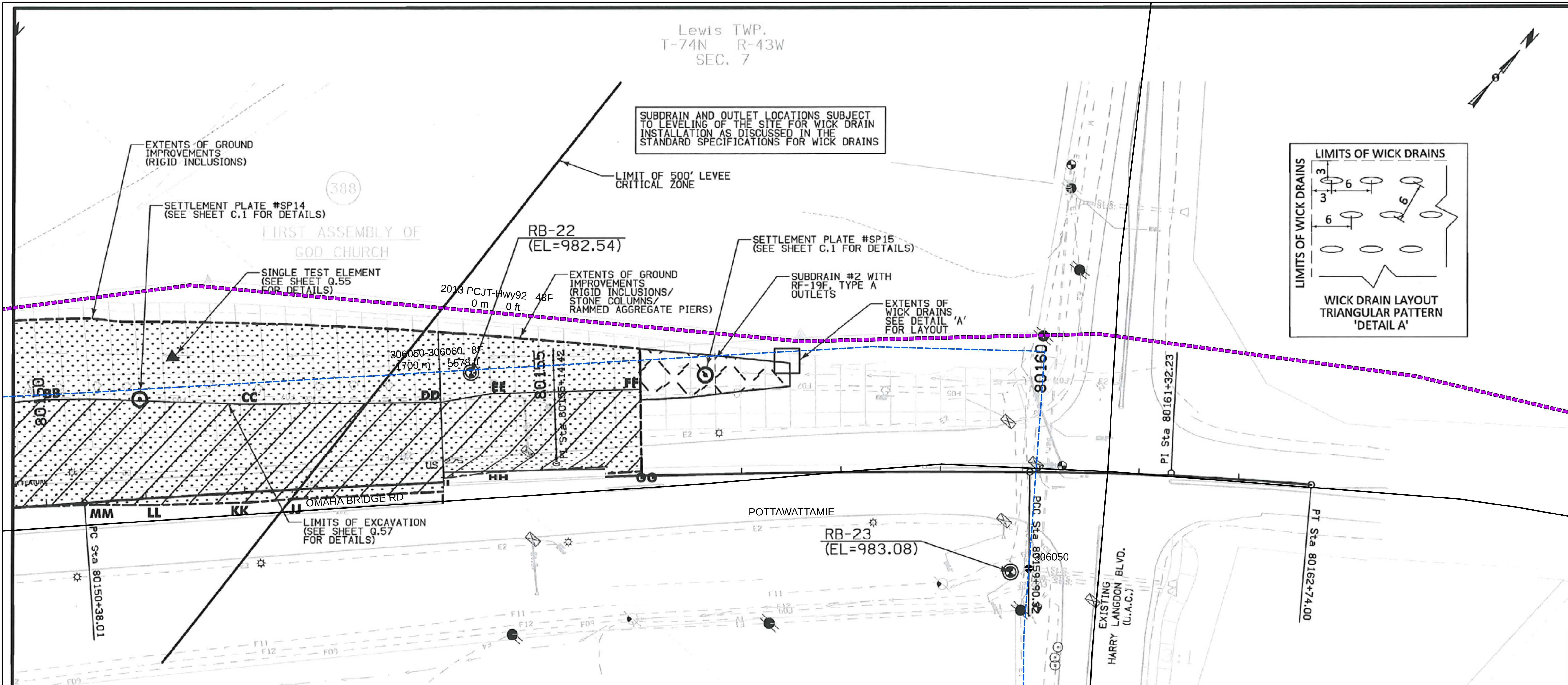
For Bridge Situation Plans
Refer to Sheets No. V.3-V.4

0 FEET 50

For US 275 Details
Refer to Sheets No. E.1-E.5

US 275

C	ENGLISH	IOWA DOT	DESIGN TEAM Skogerboe\Ryan\Hamsk1\CH2MHILL	POTTAWATTAMIE COUNTY	PROJECT NUMBER IM-NHS-29-3(97)48--03-78	SHEET NUMBER Q.28



<u>CONSTRUCTION NOTES FOR WICK DRAINS (US275, Station 80156+00to 80157+50)</u>

1. Wick drains shall be installed at the locations shown in the plans.
2. Before installing the wick drains, the grading contractor shall strip the existing ground of topsoil, organic matter, roots, etc. The topsoil shall be stockpiled for use in slope dressing for the embankment fill.
3. Before installing the wick drains, the grading contractor shall grade the ground to drain as shown on the plans. Subdrain shall be installed at location shown in the plans.
4. Before installing the wick drains, the contractor shall place a 1 foot thick granular drainage blanket within the area indicated on the plans.
5. Wick drains shall be installed at 6 ft center spacing in triangular pattern within the limits shown in accordance with the Standard Specification 2112 for Wick Drains.
6. The wick drains shall be installed to a depth of 18 ft (approx. tip elevation 964 feet) or refusal whichever occurs earlier.
7. Approx. 215 cu.yds of granular drainage material is required for the granular blanket. The material used for the granular blanket can be the same material that is used for the embankment, provided the material meets the requirement in the following note.
8. Suitable granular material for the blanket and fill is available from the Optional Borrow #32. If the granular material is provided by the Contractor from another site, it shall meet the requirements of Article 4133.
9. Approx. 185 wick drains shall be installed for a total length of 3340 feet of wick drains.
10. The grading contractor shall strip the topsoil from the foreslope of the existing embankment and stockpile it for slope dressing for the new fill.

<u>SETTLEMENT PLATES</u>

1. Settlement plates shall be installed by the grading contractor at the locations shown in the plans as per detail shown in Standard Roadway plan RL-6 and in accordance with Section 2106 of the Standard Specifications.
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<u>EXCAVATION</u>

1. The contractor shall cut benches of approximately 5 feet high in the excavated foreslope prior to placement of new embankment fill.

0 FEET 50

For US 275 Details
Refer to Sheets No. E.1-E.5

US 275

POTTAWATTAMIE