



TRANSPORTATION CABINET

Frankfort, Kentucky 40622
www.transportation.ky.gov/

Steven L. Beshear
Governor

Michael W. Hancock, P.E.
Secretary

March 10, 2011

CALL NO. 104
CONTRACT ID NO. 111012
ADDENDUM # 2

Subject: Various Counties, STP 0031 (007)
Letting March 18, 2011

- (1) Revised - Plan Sheets - R2, R2a, R2b, R2c, R2d, R2e, R2f, R2g, R2h, R2i, & R2j
- (2) Revised - Bid Items - Pages 202-208 of 208

Proposal revisions are available at <http://transportation.ky.gov/contract/>.
Plan revisions are available at <http://www.lynnimaging.com/kytransportation/>.

If you have any questions, please contact us at 502-564-3500.

Sincerely,

A handwritten signature in blue ink that reads "Ryan Griffith".

Ryan Griffith
Director
Division of Construction Procurement

RG:ks
Enclosures



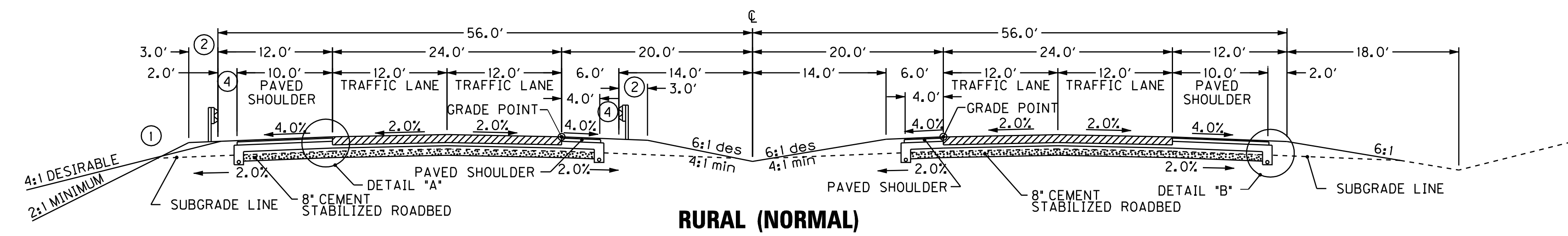
An Equal Opportunity Employer M/F/D

TYPICAL SECTIONS

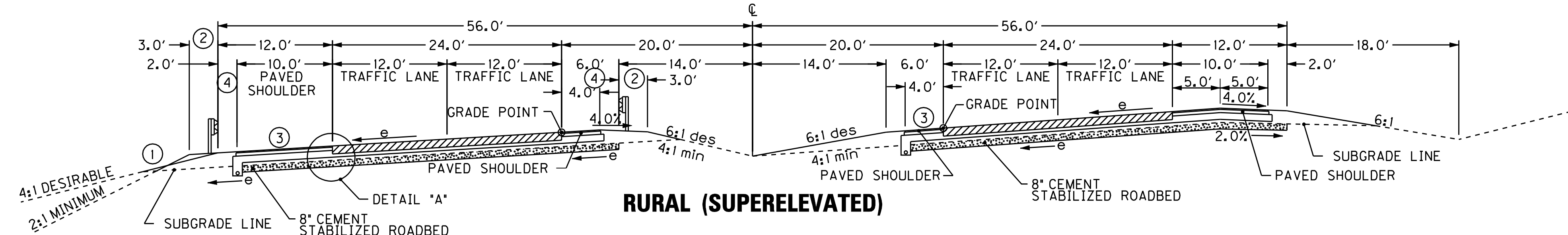
ALTERNATES A & B
MAINLINE - NATCHER PARKWAY
STA. 145+00 TO STA. 246+78.82

- ① SEE X-SECTIONS FOR SLOPES OUTSIDE OF SHOULDER
- ② WIDEN SHOULDER 3ft FOR GUARDRAIL
- ③ SUPERELEVATED SHOULDERS, CONSTRUCT TO STANDARD SUPERELEVATION EXCEPT NOT FLATTER THAN NORMAL SHOULDER
- ④ PAVED SHOULDER SHALL EXTEND TO FACE OF GUARDRAIL
- ⑤ USE THE MIN. FABRIC WIDTH NECESSARY TO ALLOW FOR A 1' OVERLAP

NOTE: THE CONSTRUCTED SUBGRADE BUILT WITH THE GRADE & DRAIN PLANS MAY BE UP TO 1/2" HIGH FOR THE CONCRETE PAVEMENT ALTERNATE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO RAISE THE PROPOSED GRADE 1/2" AND TRANSITION TO MATCH THE EXISTING BRIDGES @ I-65 AND PLANO ROAD.



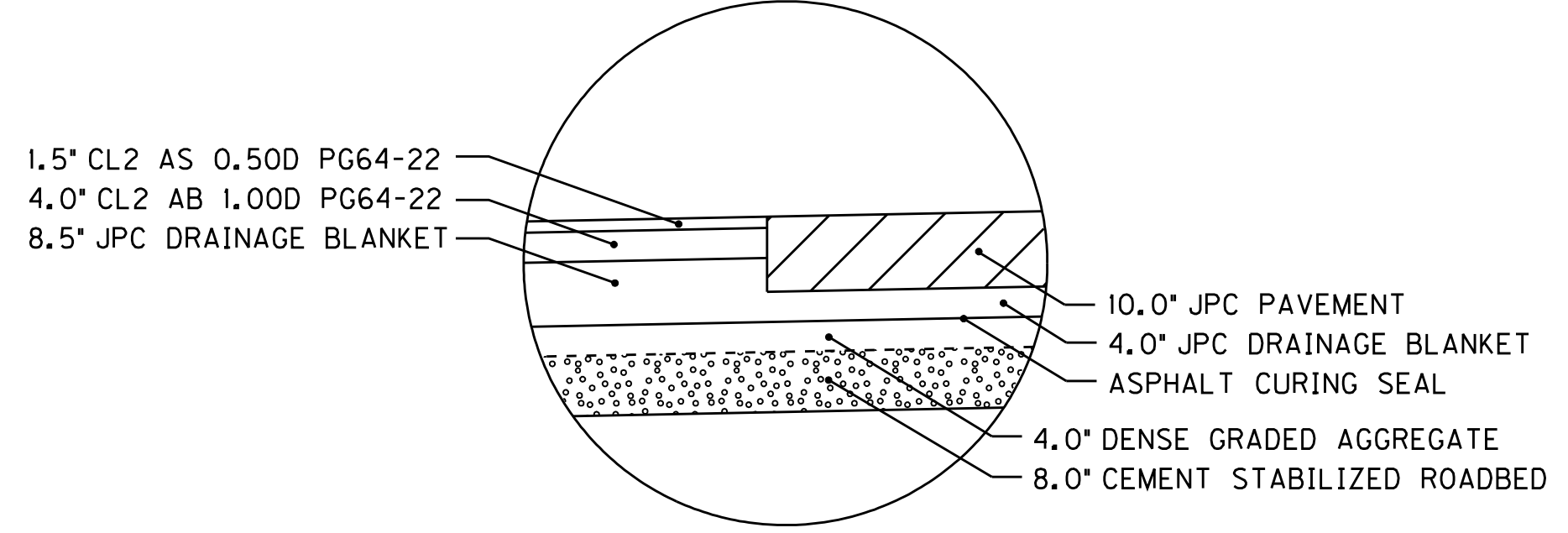
RURAL (NORMAL)



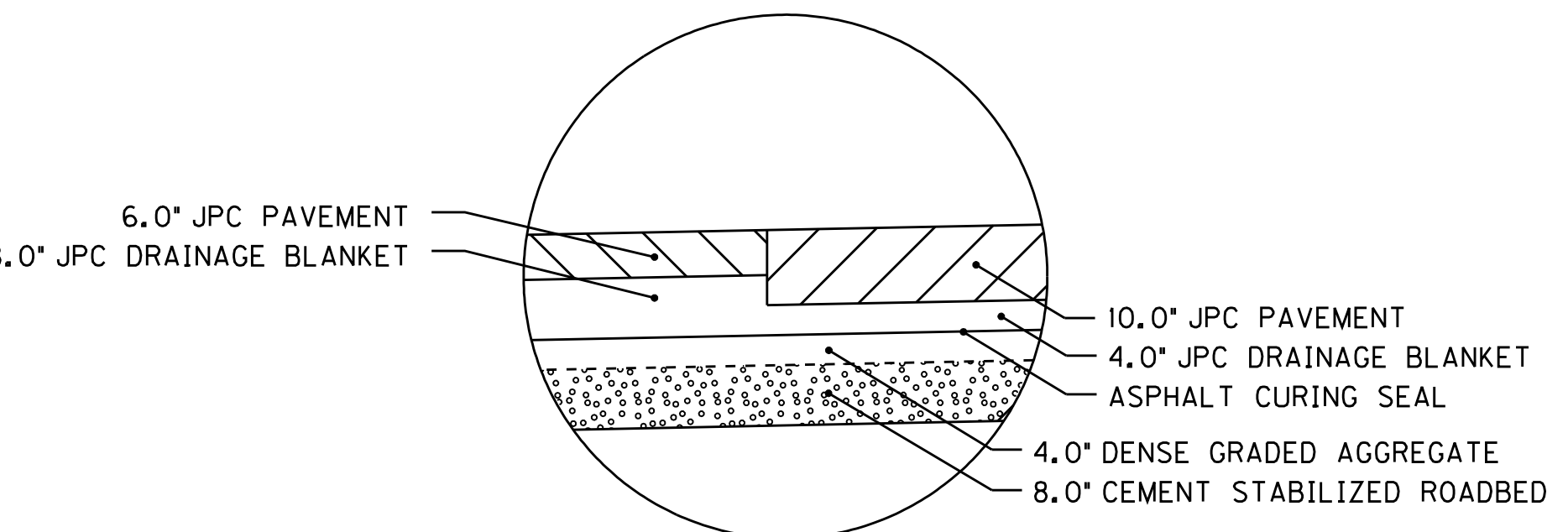
RURAL (SUPERELEVATED)

PAVEMENT SCHEDULE

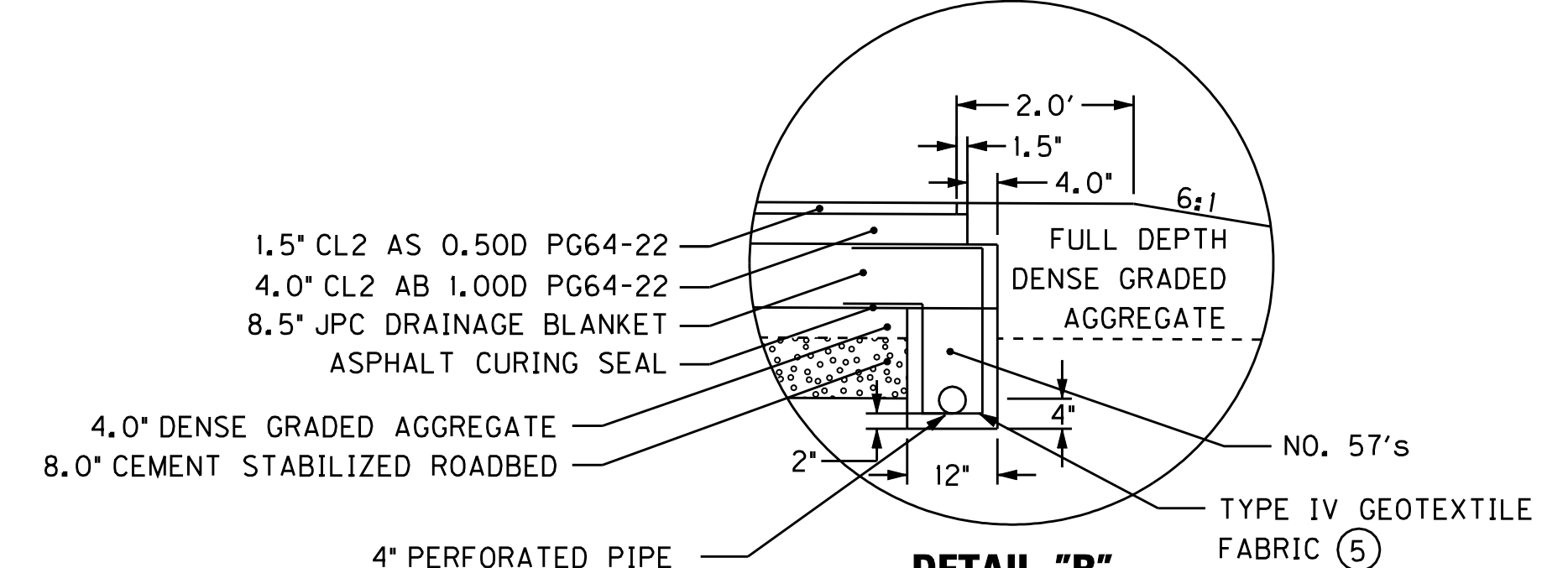
- TRAFFIC LANE
 - 10.0" JPC PAVEMENT
 - 4.0" JPC DRAINAGE BLANKET
 - ASPHALT CURING SEAL (APPLY AT A RATE OF 1.6 lb/sq yd)
 - 4.0" DENSE GRADED AGGREGATE
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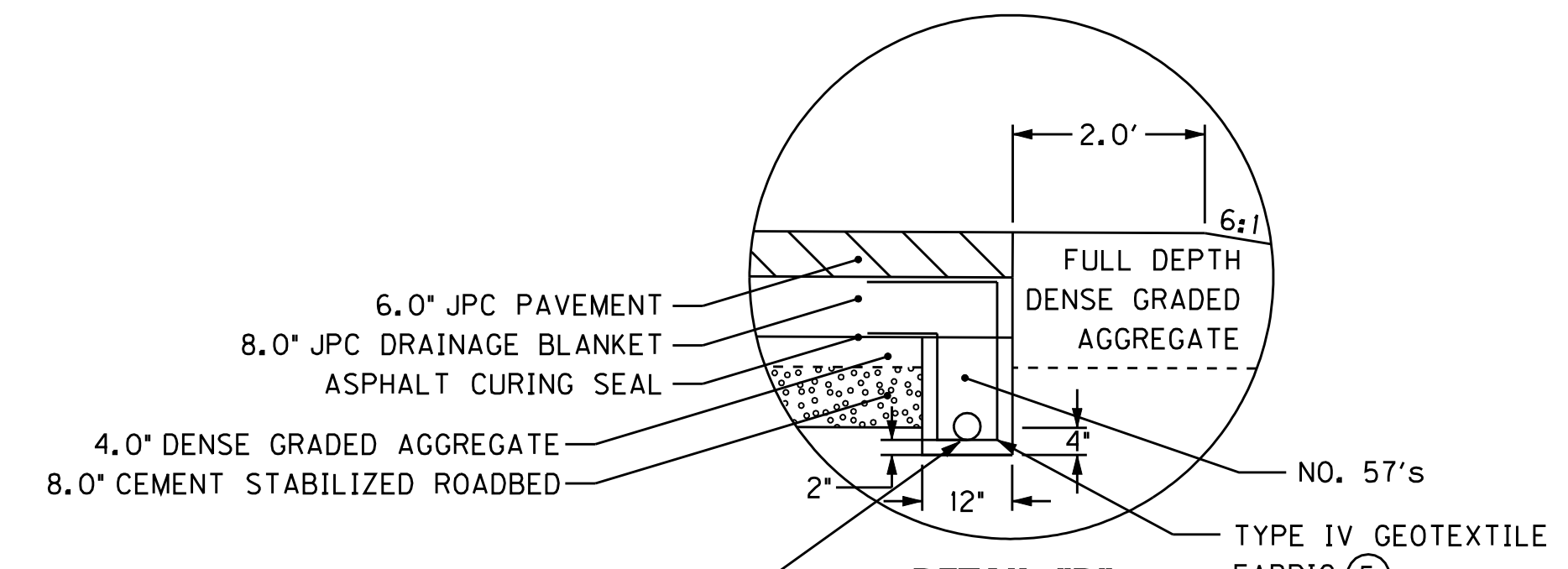
DETAIL "A"
ALTERNATE B (ASPHALT SHOULDER ALTERNATE)



DETAIL "A"
ALTERNATE A (CONCRETE SHOULDER ALTERNATE)



DETAIL "B"
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PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: roadway-aei
Cell Name: sp
DD-MMM-YYYY HH:MM

VENDORS NAME
1-92
FORM NO. 2

DESIGN SPEED = 70 m.p.h.

TYPICAL SECTIONS

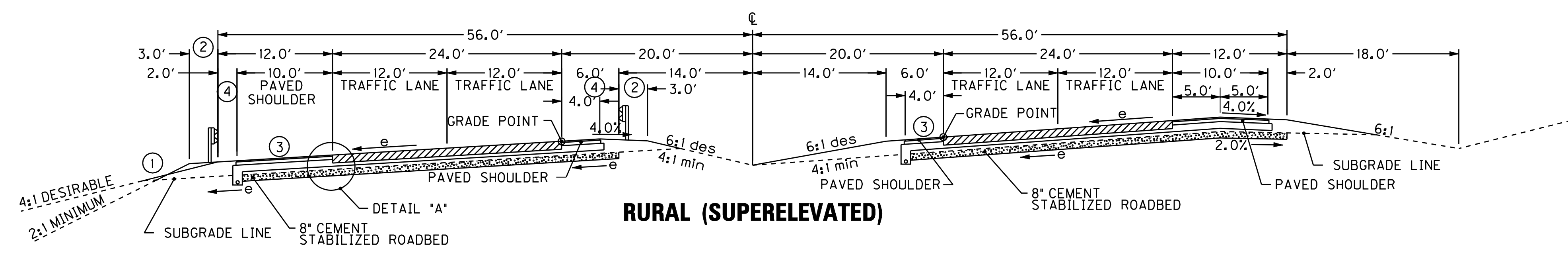
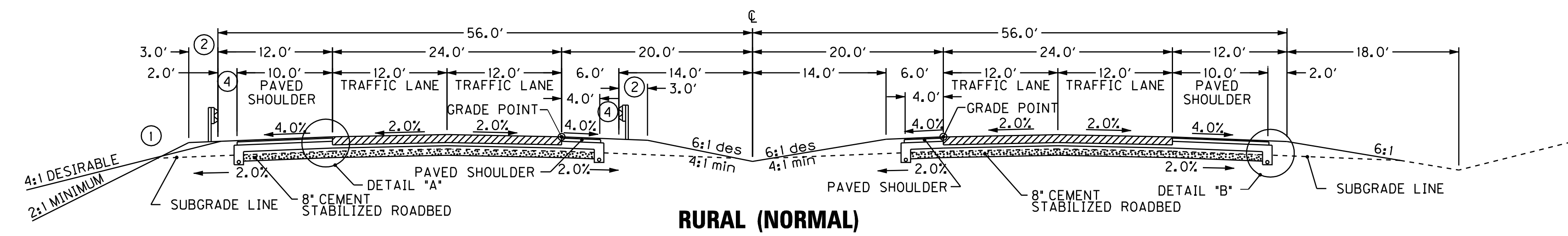
REVISION 03-09-2011

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STA. 145+00 TO STA. 246+78.82

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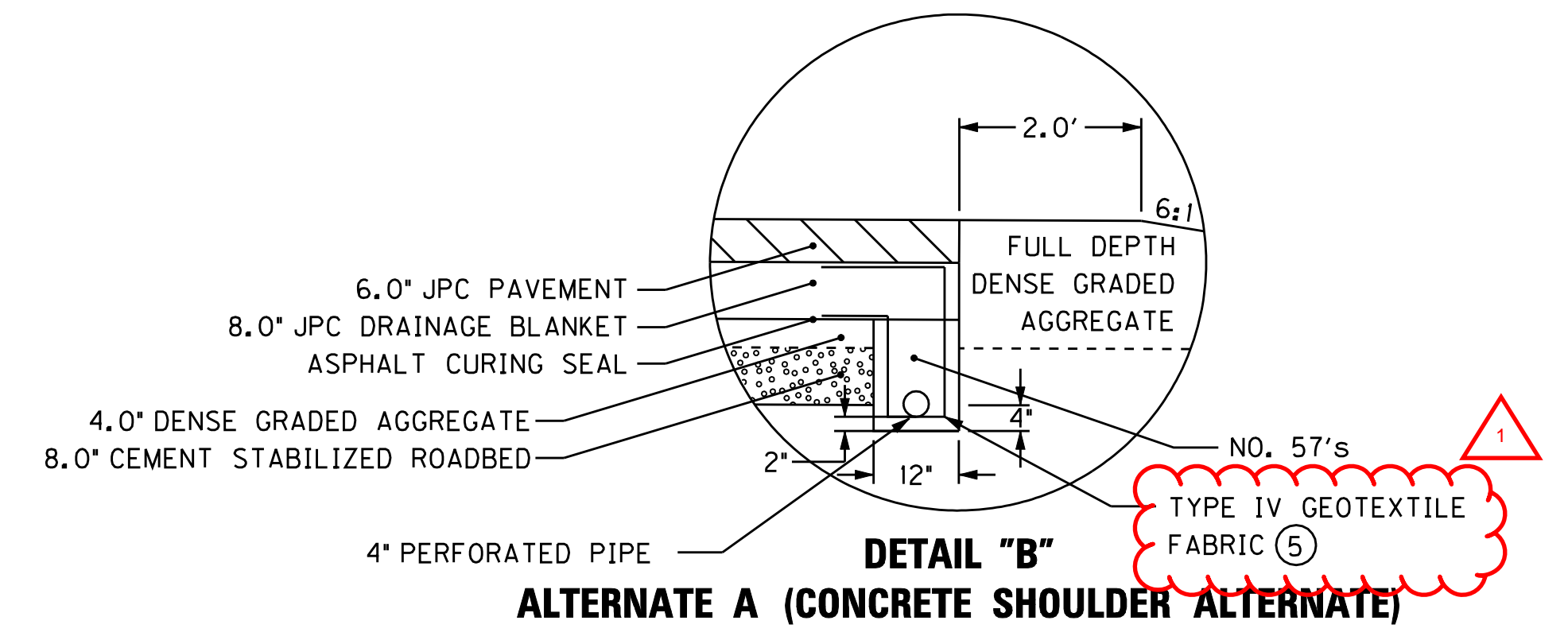
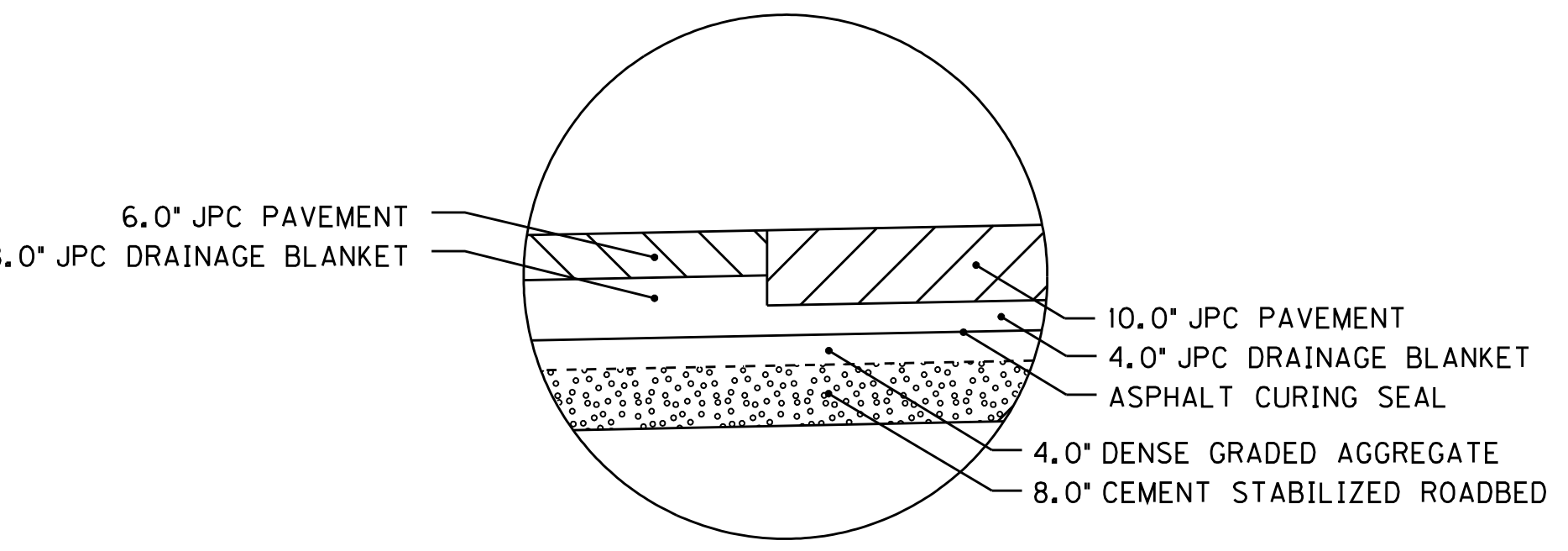
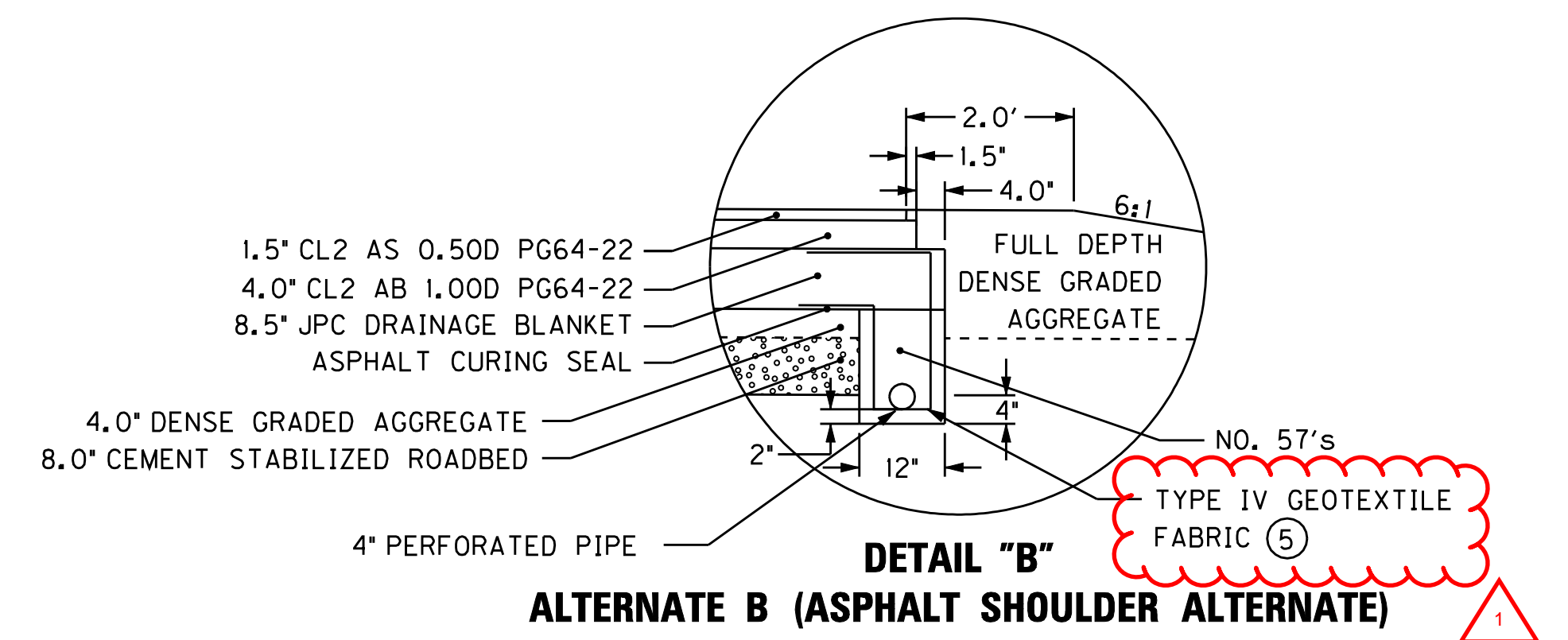
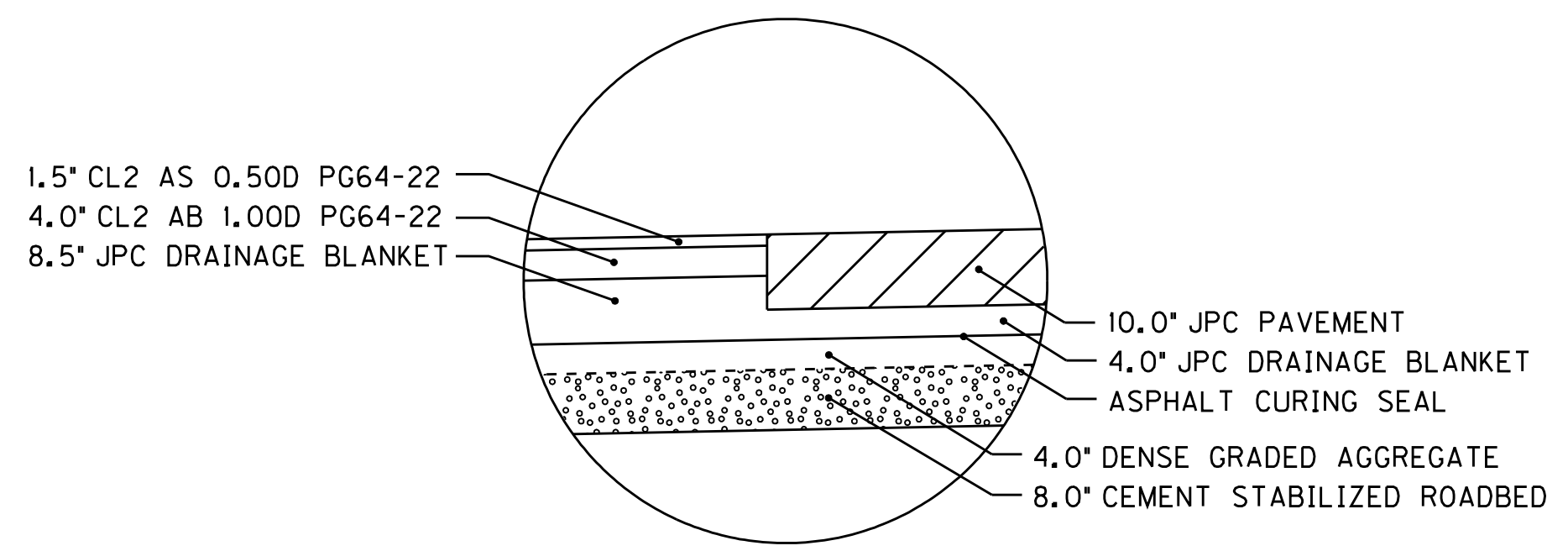
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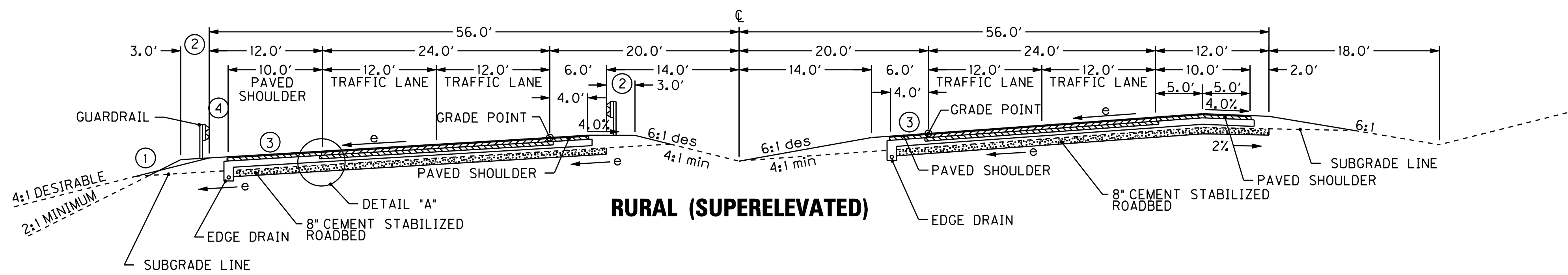
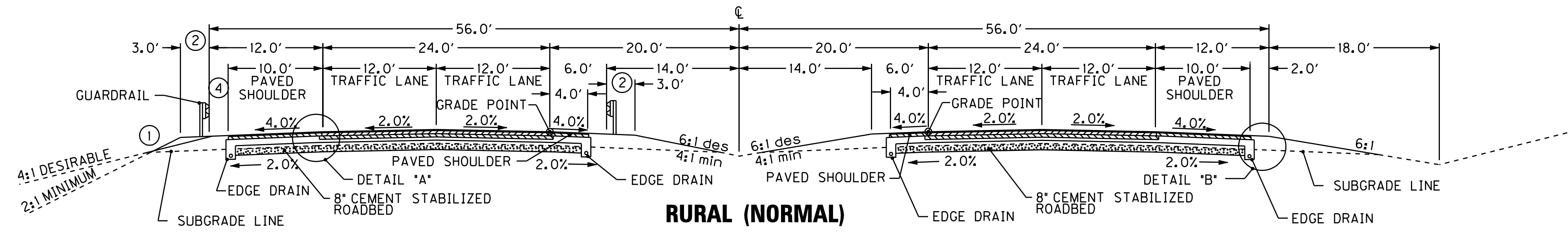
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VENDOR'S NAME
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TYPICAL SECTIONS

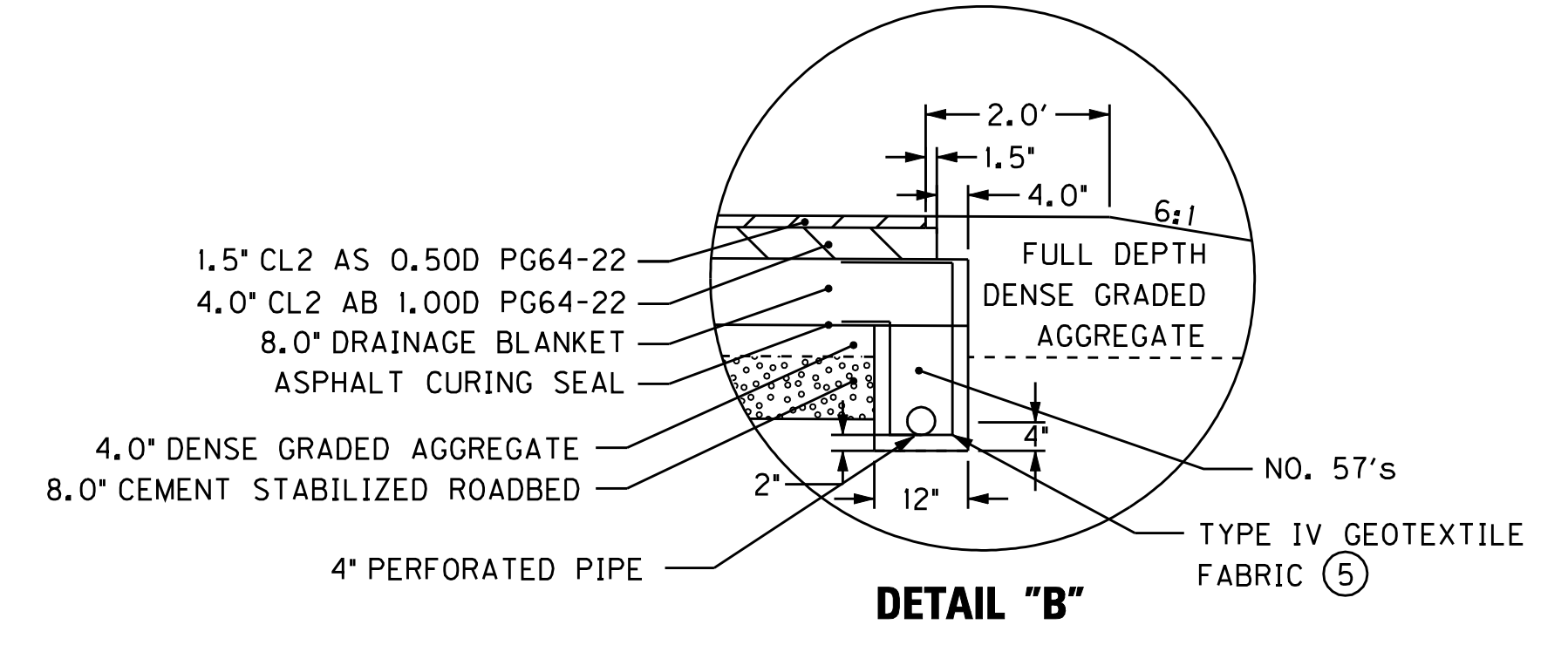
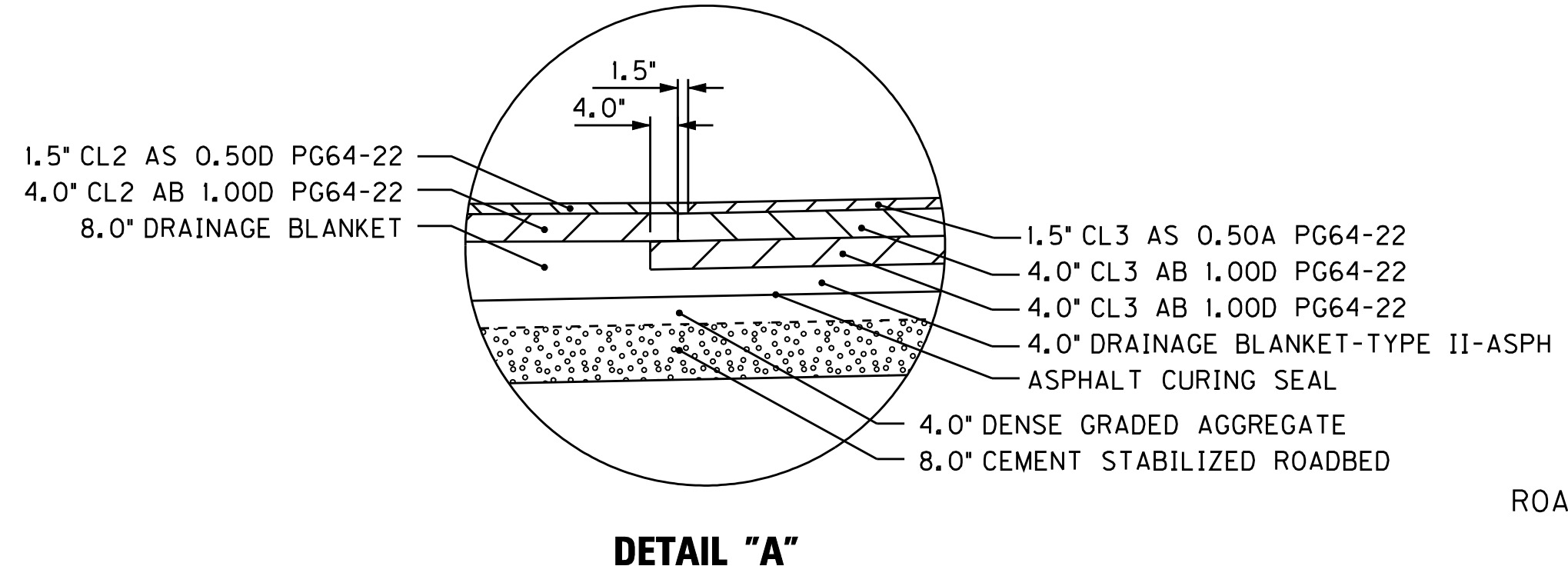
ALTERNATE C
MAINLINE - NATCHER PARKWAY
STA. 145+00 TO STA. 246+78.82

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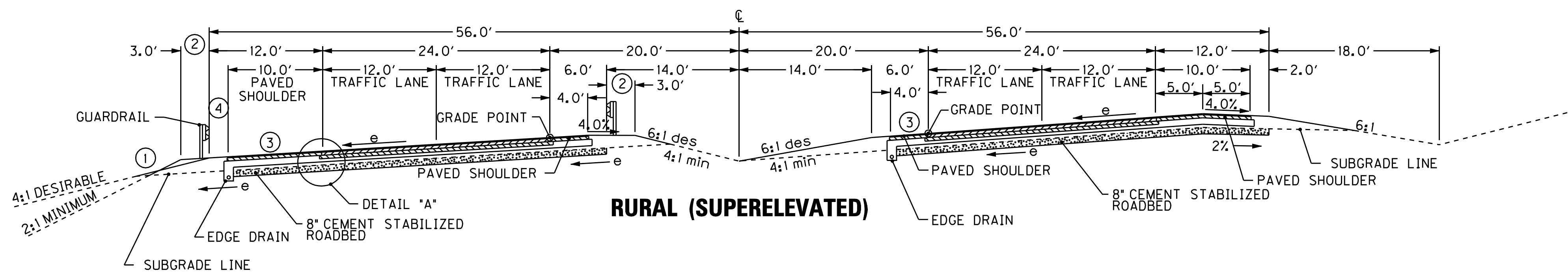
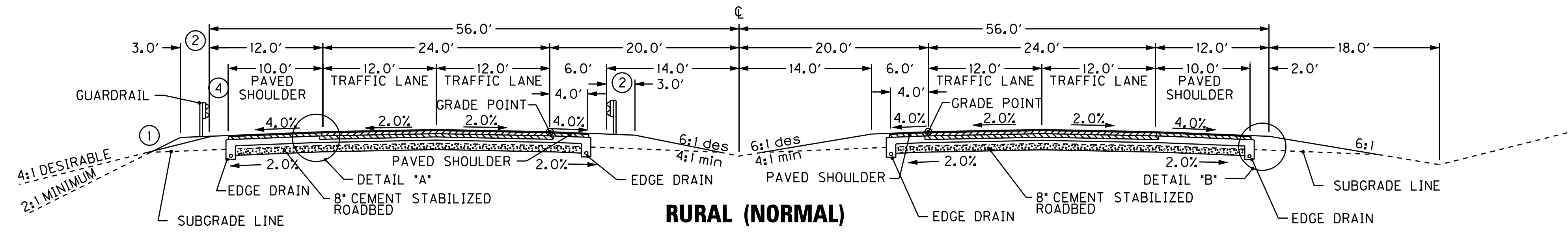
TYPICAL SECTIONS

REVIS 03-09-2011

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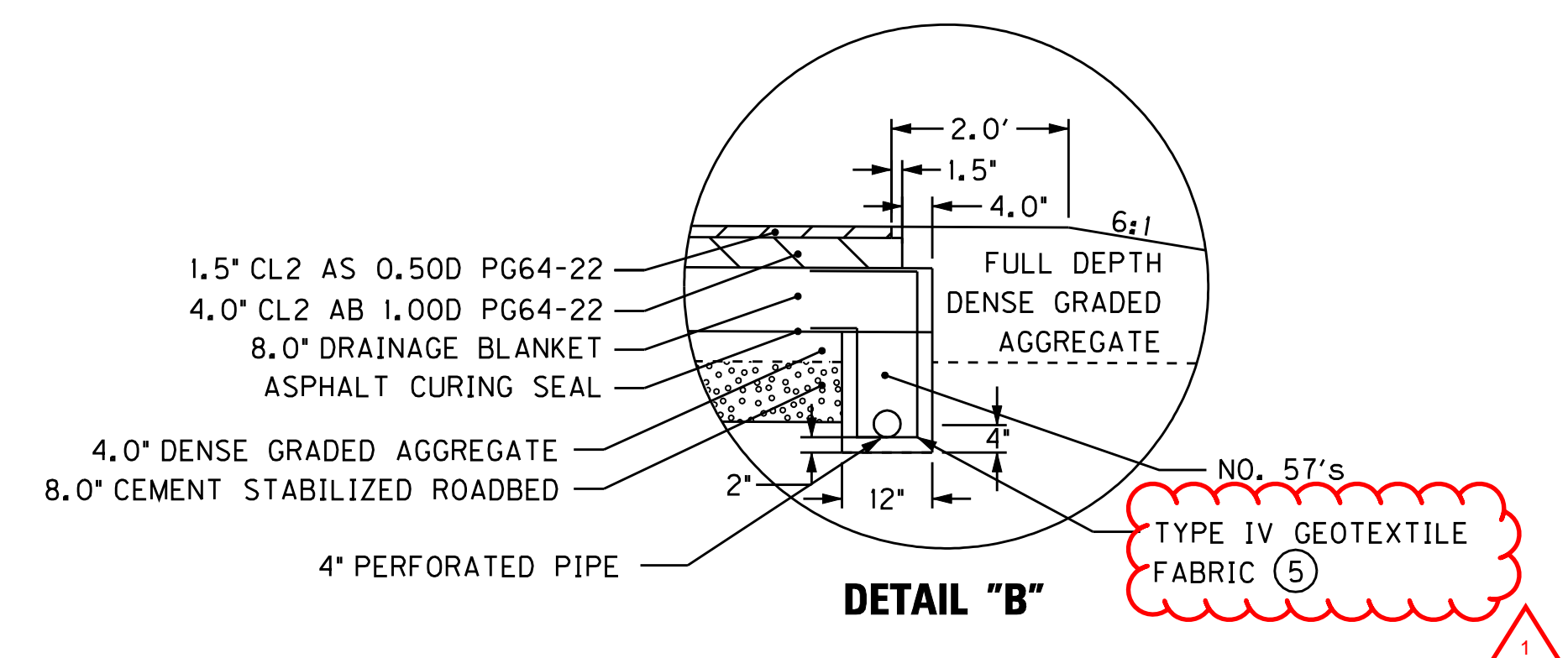
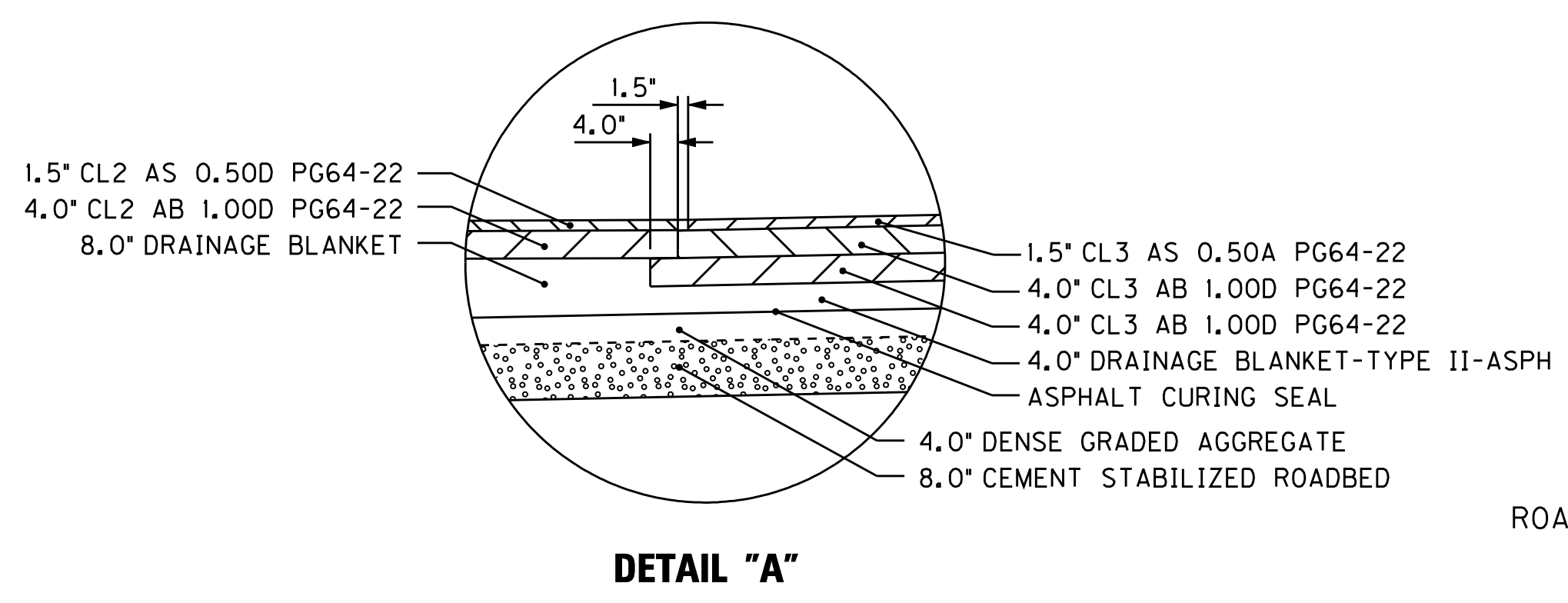
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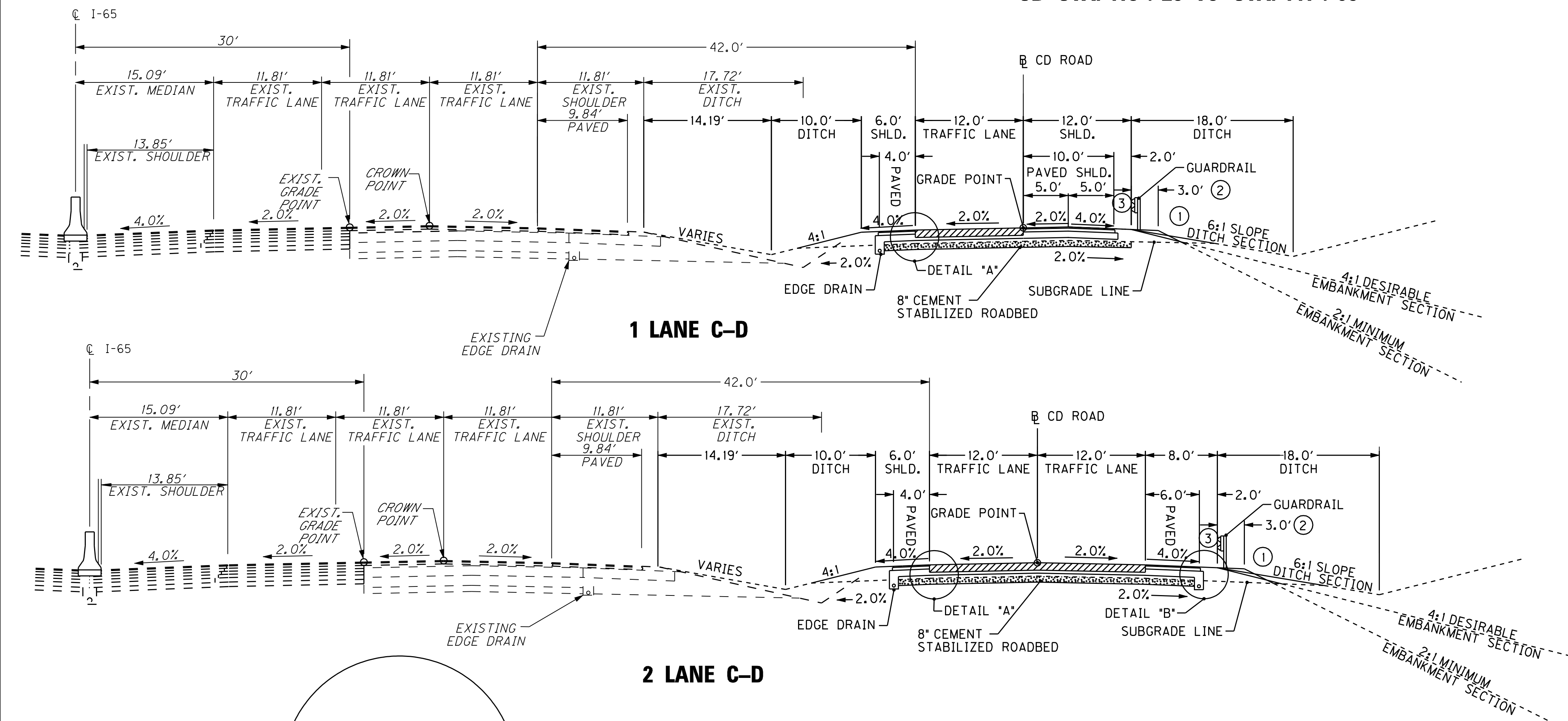
AMERICAN ENGINEERS, INC.
PROFESSIONAL ENGINEERING

COUNTY OF	ITEM NO.	SHEET NO.
WARREN	3-53.10	R2b

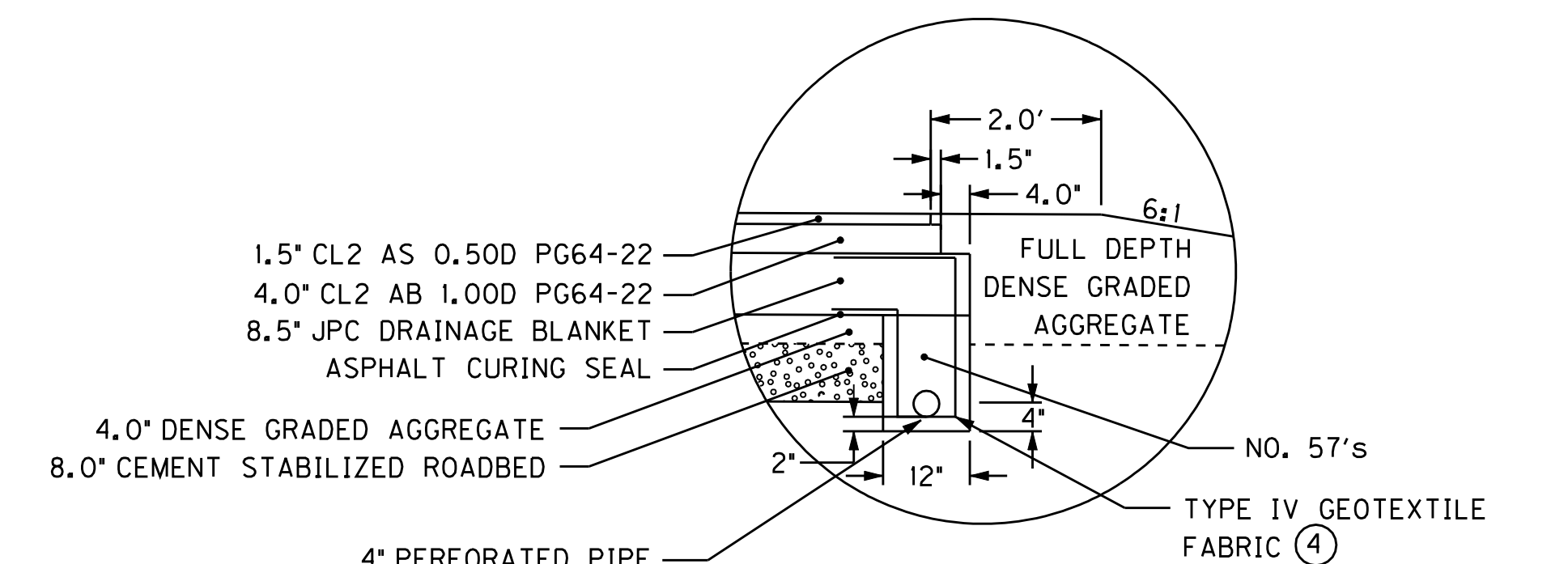
TYPICAL SECTIONS

ALTERNATES A & B COLLECTOR DISTRIBUTOR ROAD - SB along INTERSTATE 65 SB STA. 418+25 TO STA. 441+65

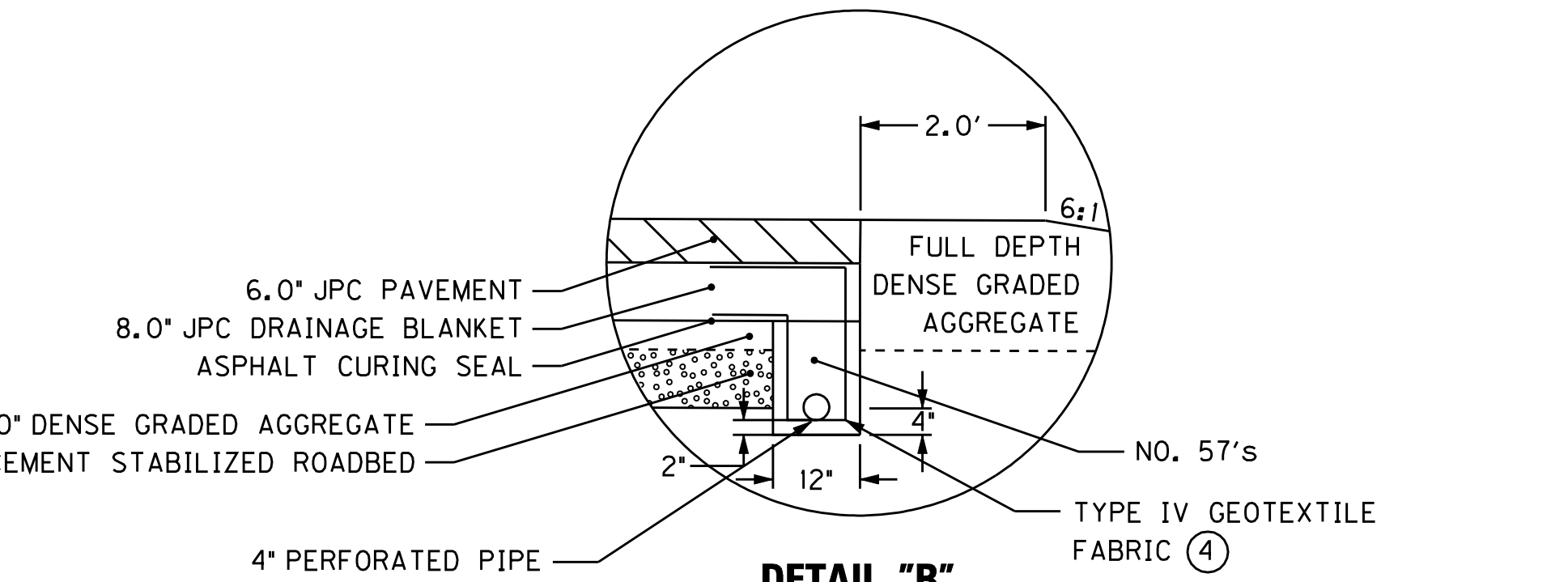
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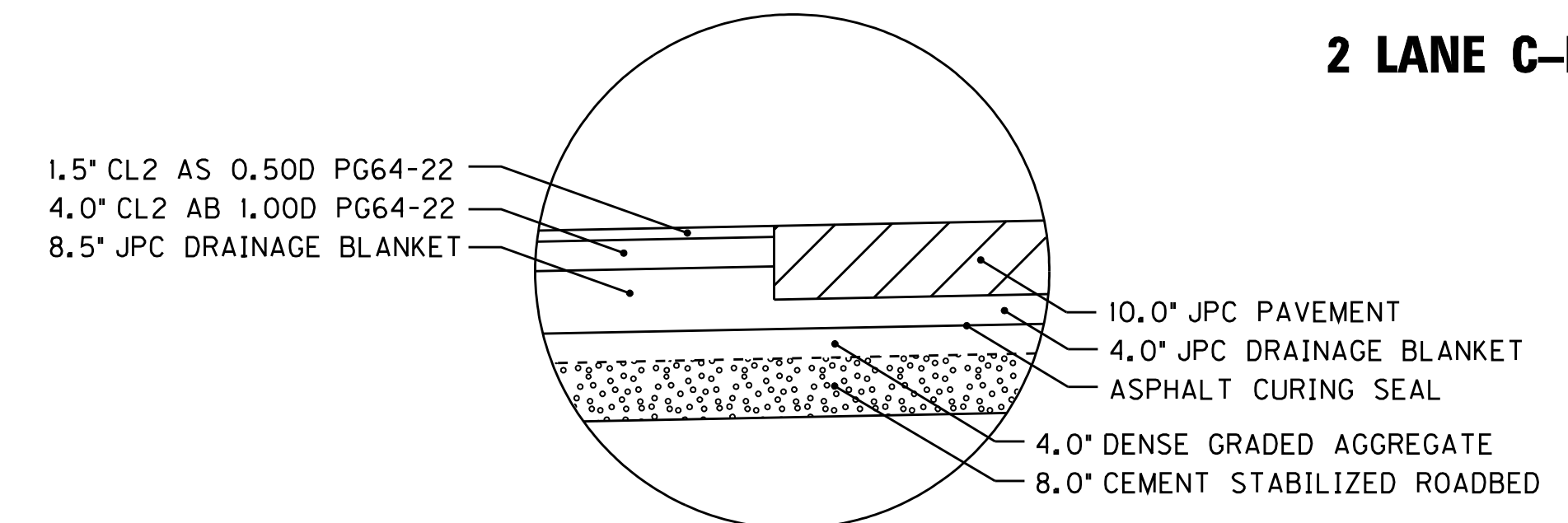
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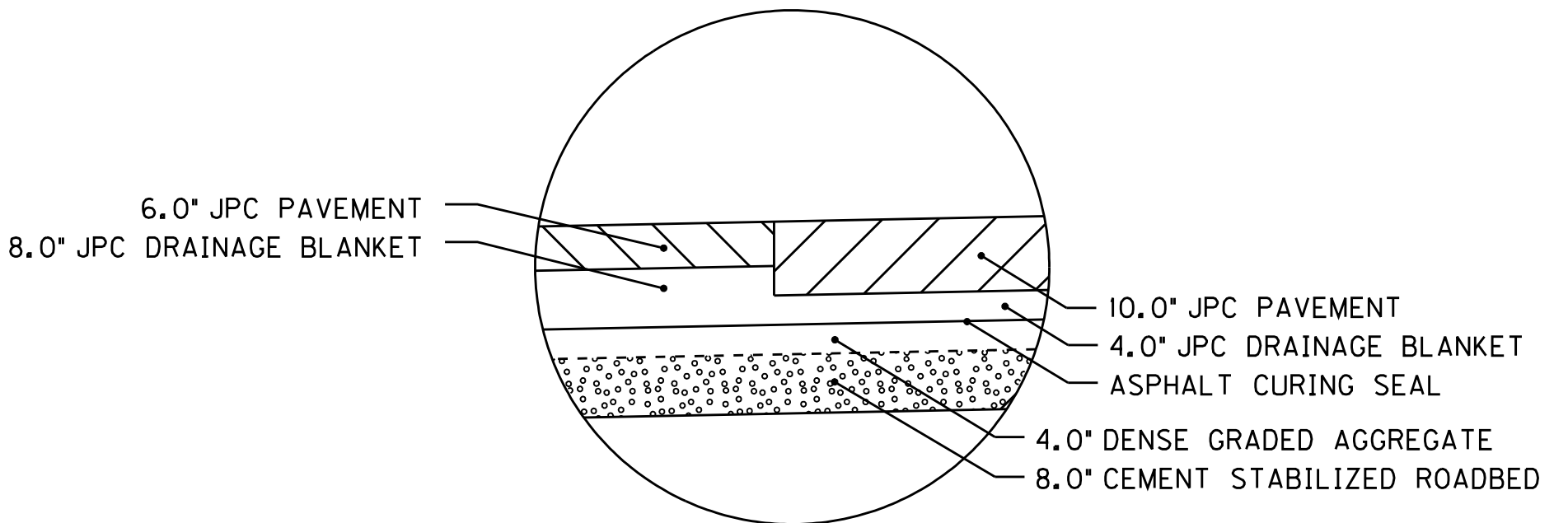
DETAIL "B"
ALTERNATE B (ASPHALT SHOULDER ALTERNATE)



DETAIL "B"
ALTERNATE A (CONCRETE SHOULDER ALTERNATE)



DETAIL "A"
ALTERNATE B (ASPHALT SHOULDER ALTERNATE)



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Cell Library: roadway-ceil
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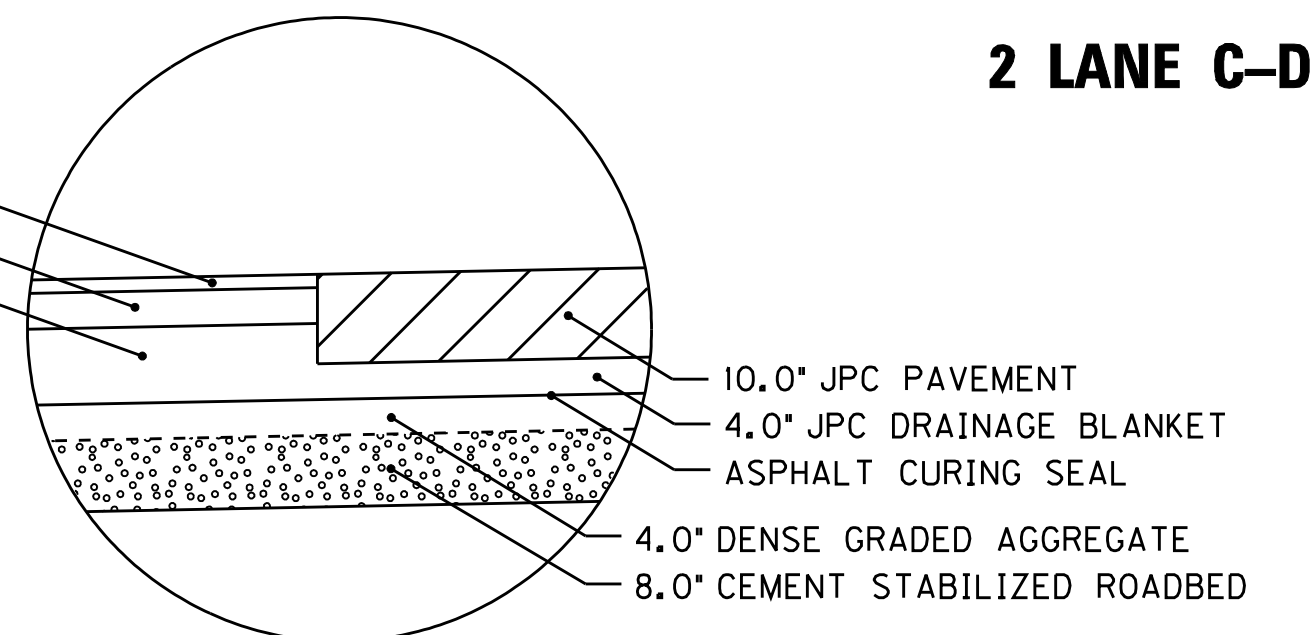
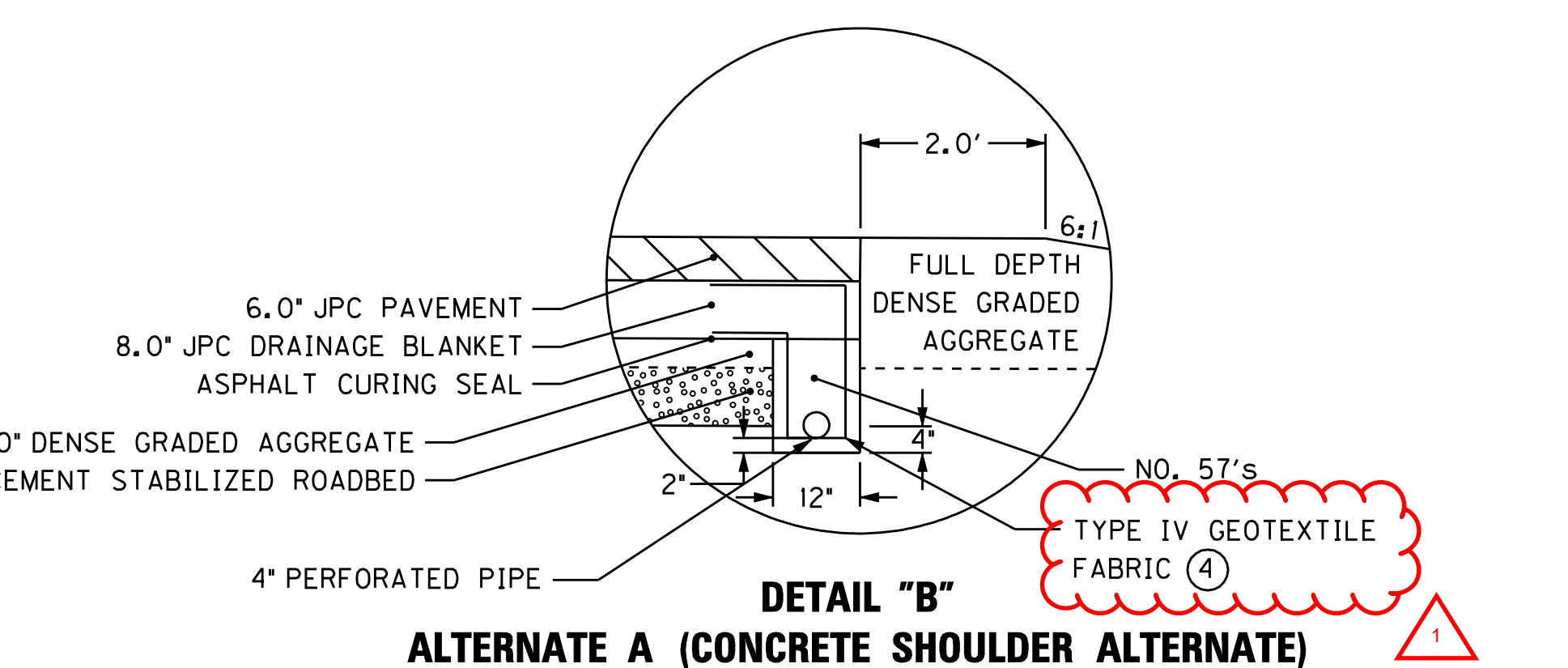
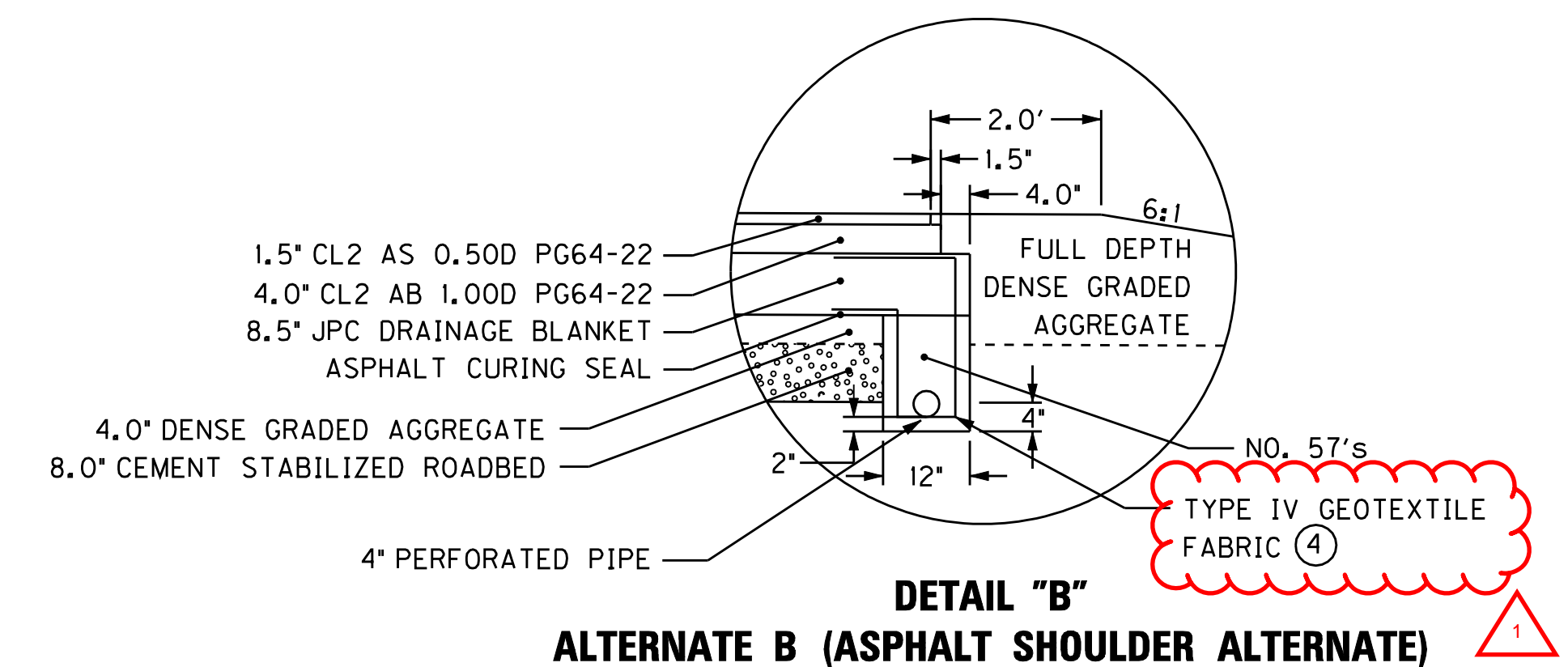
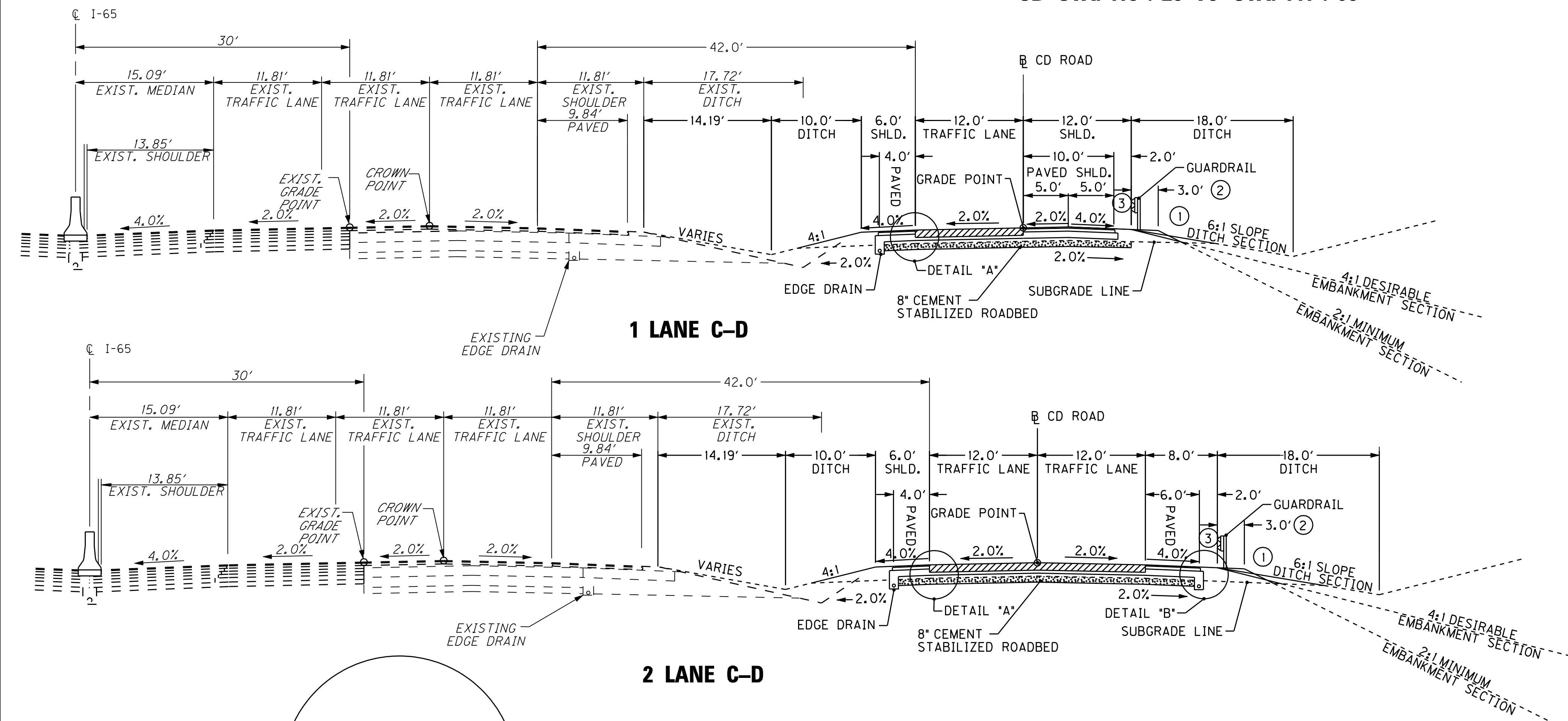
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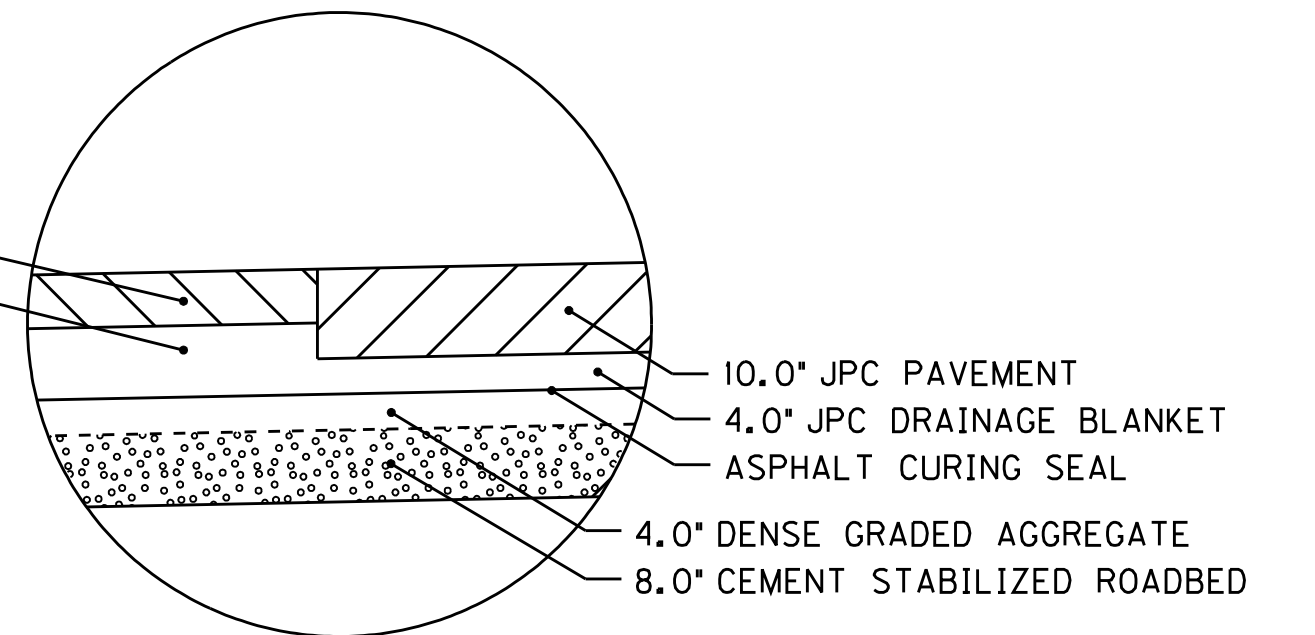
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FORM NO. 2

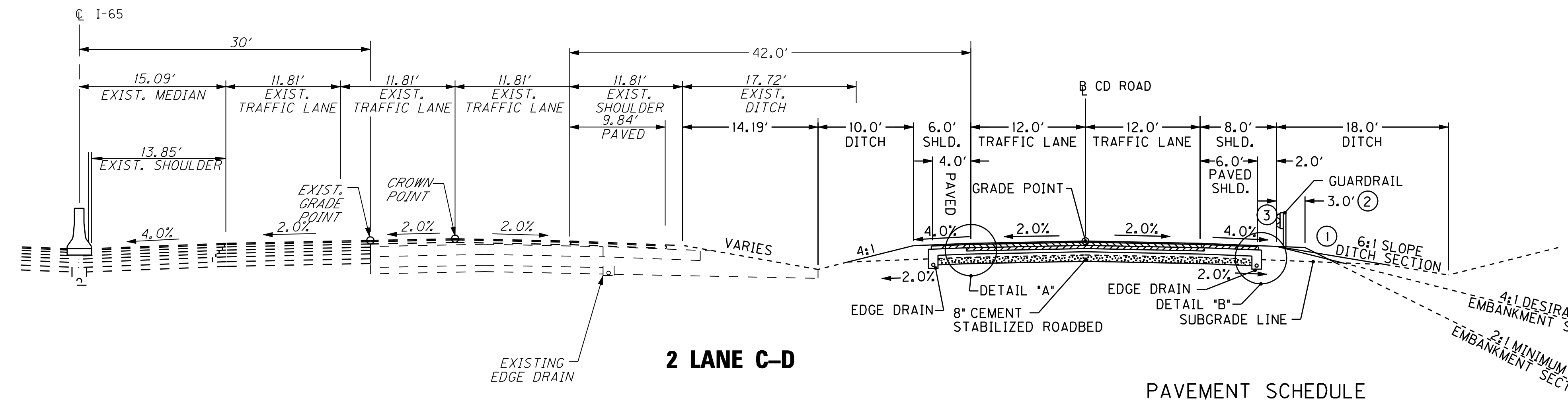
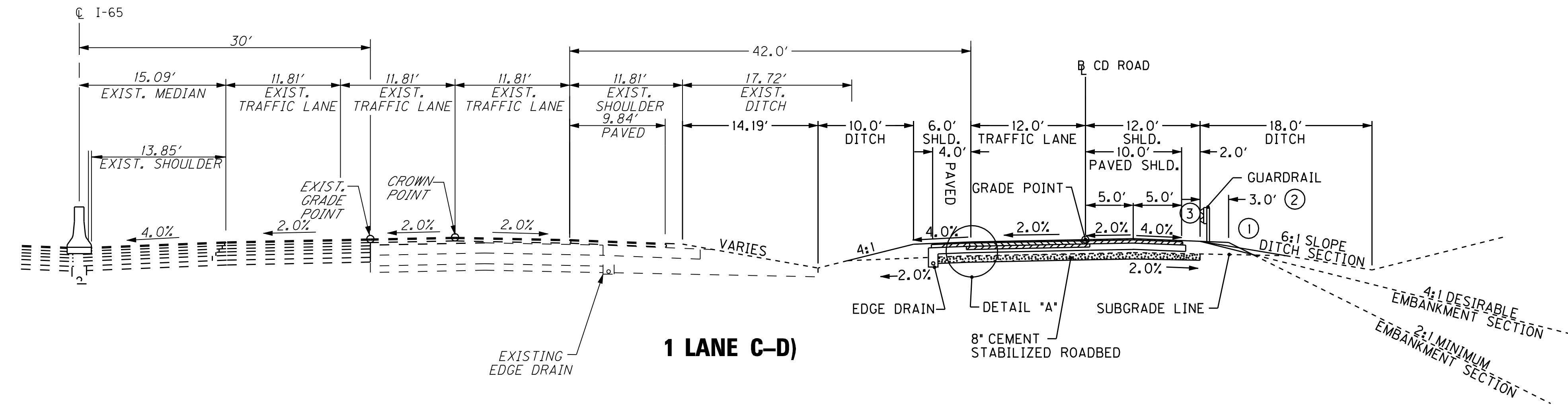
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TYPICAL SECTIONS

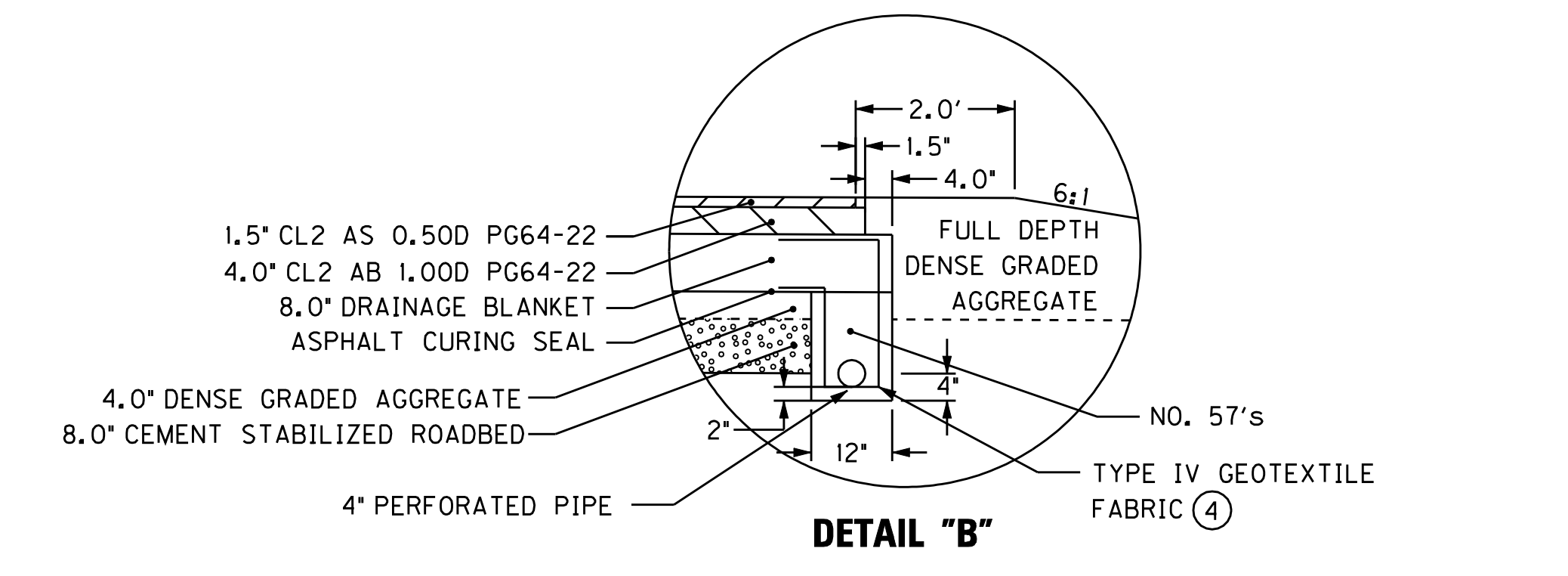
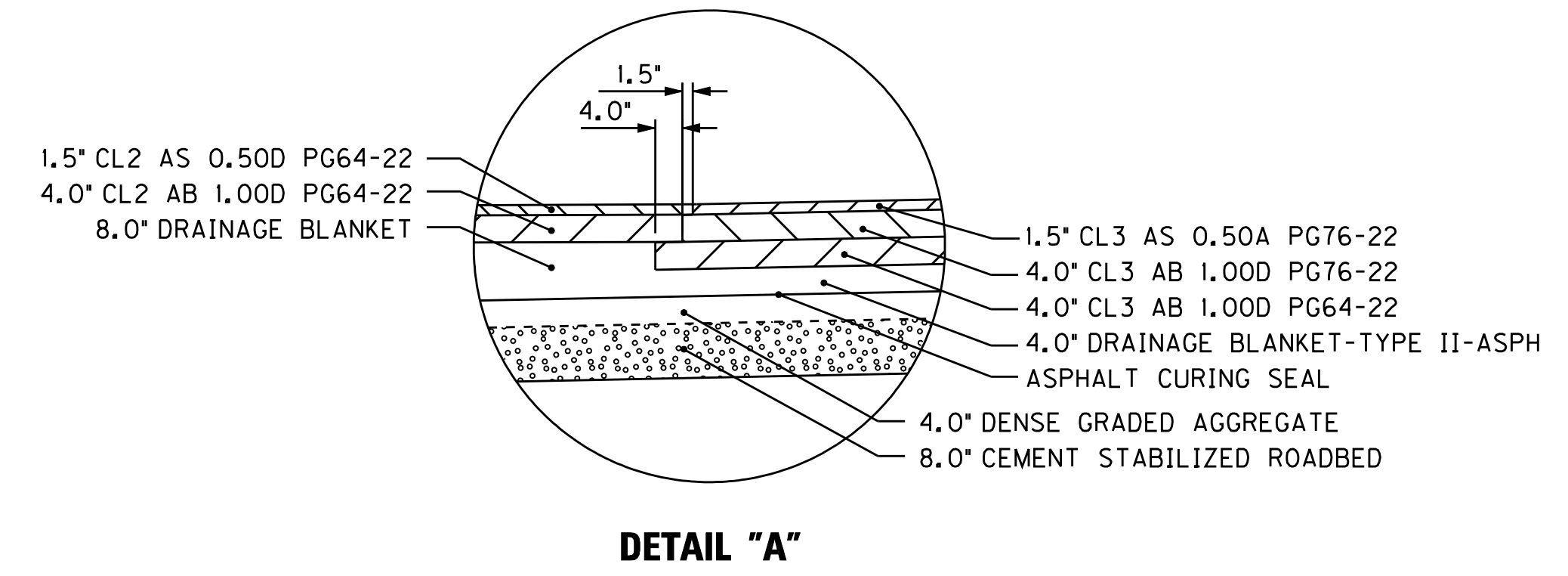
TYPICAL SECTIONS

ALTERNATE C COLLECTOR DISTRIBUTOR ROAD - SB along INTERSTATE 65 SB STA. 418 + 25 TO STA. 441 + 65

- ① SEE X-SECTIONS FOR SLOPES OUTSIDE OF SHOULDER
- ② WIDEN SHOULDER 3ft FOR GUARDRAIL
- ③ PAVED SHOULDER SHALL EXTEND TO FACE OF GUARDRAIL
- ④ USE THE MIN. FABRIC WIDTH NECESSARY TO ALLOW FOR A 1' OVERLAP



MILLING (18" WIDE AND MIN. OF 4.5" DEEP) SHALL BE REQUIRED ALONG THE EDGE OF THE EXISTING PAVEMENT ADJACENT TO THE WIDENING. BACKFILL WITH BITUMINOUS CONCRETE BASE ON THE SAME PASS AS THE WIDENING.



PAVEMENT SCHEDULE

TRAFFIC LANE	1.5" CL3 ASPHALT SURFACE 0.50A PG76-22 4.0" CL3 ASPHALT BASE 1.00D PG76-22 4.0" CL3 ASPHALT BASE 1.00D PG64-22 4.0" DRAINAGE BLANKET-TYPE II-ASPHALT ASPHALT CURING SEAL (APPLY AT A RATE OF 1.6 lb/sq yd) 4.0" DENSE GRADED AGGREGATE
SHOULDER	1.5" CL2 ASPHALT SURFACE 0.50D PG64-22 4.0" CL2 ASPHALT BASE 1.00D PG64-22 8.0" DRAINAGE BLANKET-TYPE II-ASPHALT ASPHALT CURING SEAL (APPLY AT A RATE OF 1.6 lb/sq yd) 4.0" DENSE GRADED AGGREGATE
ROADBED PREPARATION	8.0" CEMENT STABILIZED ROADBED CEMENT (APPLY AT A RATE OF 6% BY WEIGHT AT 109 lb/cu ft) ASPHALT CURING SEAL (APPLY AT A RATE OF 2.0 lb/sq yd) SAND FOR BLOTTER (APPLY AT A RATE OF 5.0 lb/sq yd)

• ASPHALT SEAL REQUIRED FROM OUTSIDE EDGE OF PAVED SHOULDER TO A POINT 2' DOWN THE DITCH OR FILL SLOPE. TWO APPLICATIONS OF THE FOLLOWING:

EMULSIFIED ASPHALT RS-2 @ 2.4 LBS PER SQ. YD.
ASPHALT SEAL AGGREGATE @ 20 LBS PER SQ. YD. (NO. 8 OR 9)

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: roadway-ceil
Cell Name: sp
DD-MMM-YYYY HH:MM

VENDORS NAME
1-92
FORM NO. 2

DESIGN SPEED = 55 m.p.h.

TYPICAL SECTIONS

REVISD 03-09-2011

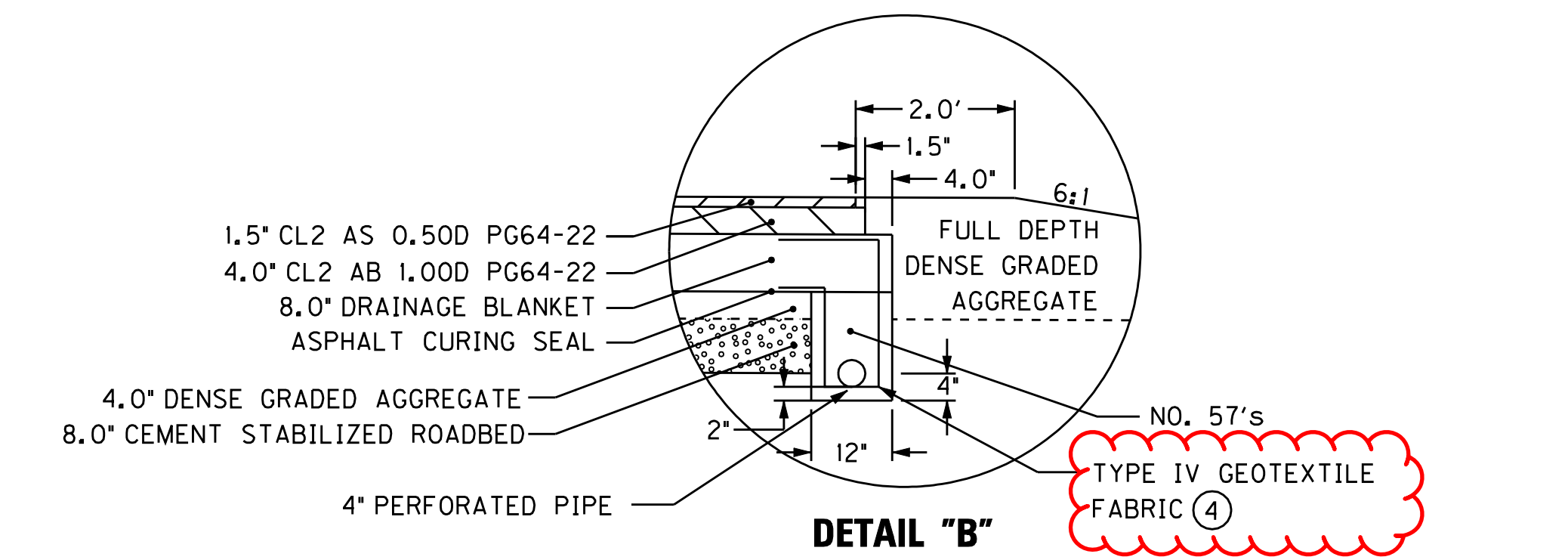
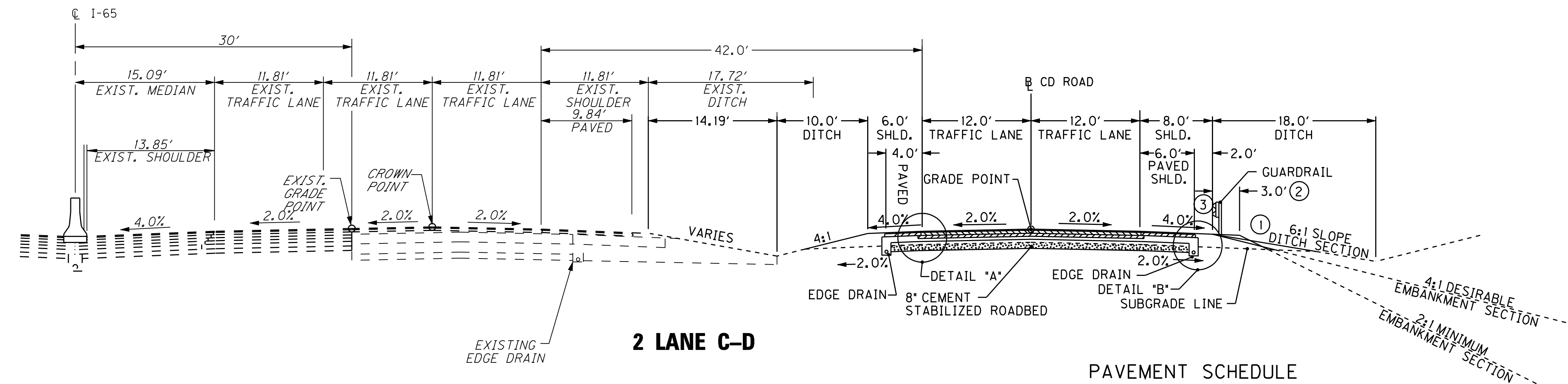
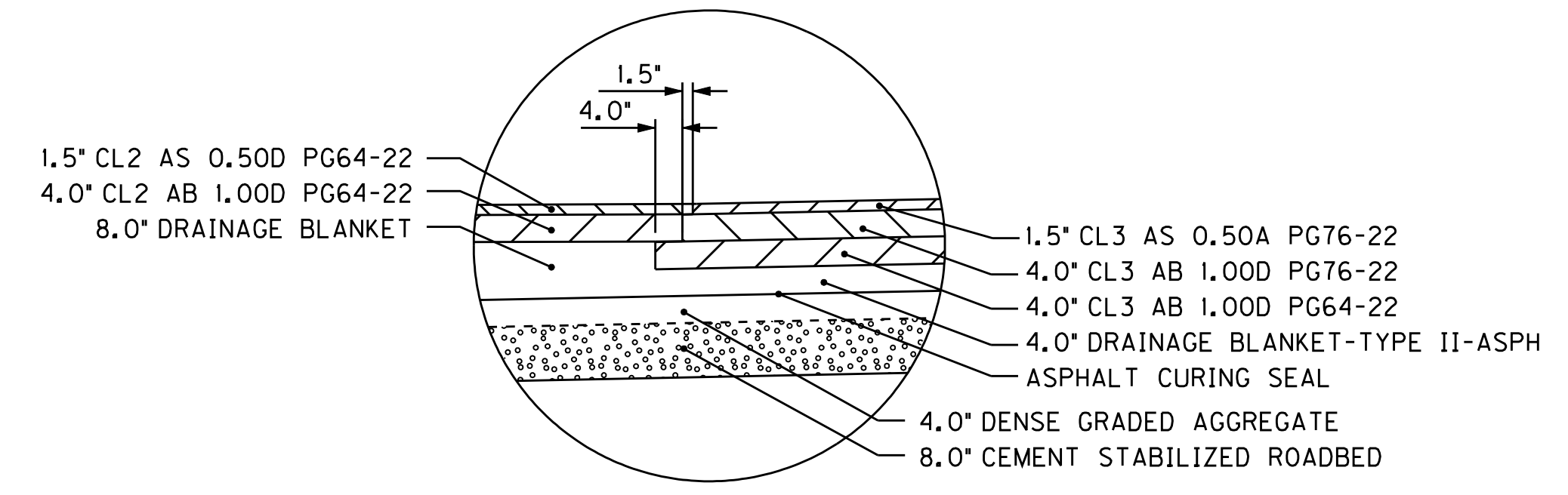
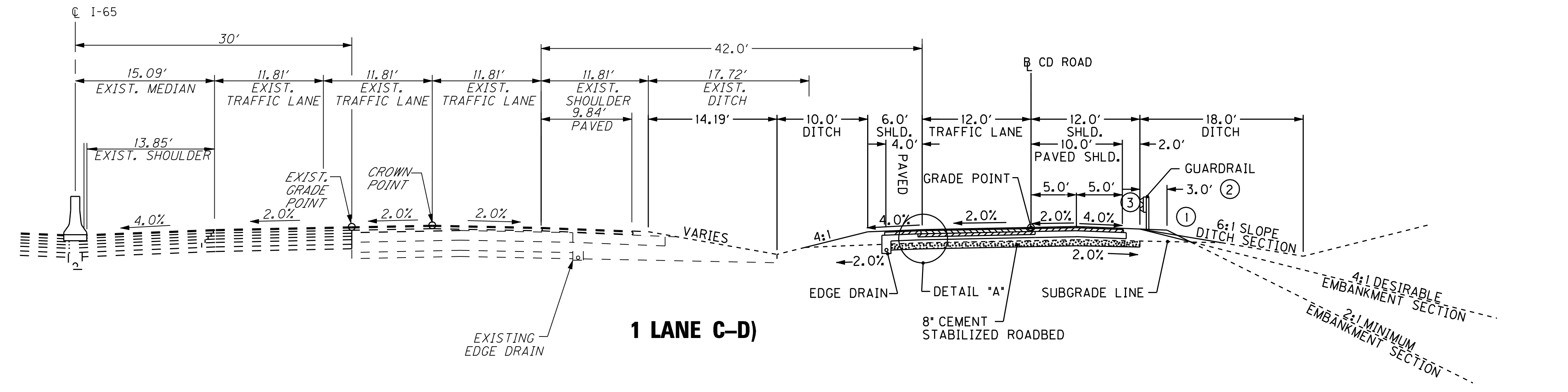
TYPICAL SECTIONS

ALTERNATE C
COLLECTOR DISTRIBUTOR ROAD - SB along INTERSTATE 65
SB STA. 418+25 TO STA. 441+65

- ① SEE X-SECTIONS FOR SLOPES OUTSIDE OF SHOULDER
- ② WIDEN SHOULDER 3ft FOR GUARDRAIL
- ③ PAVED SHOULDER SHALL EXTEND TO FACE OF GUARDRAIL
- ④ USE THE MIN. FABRIC WIDTH NECESSARY TO ALLOW FOR A 1' OVERLAP

1

MILLING (18" WIDE AND MIN. OF 4.5" DEEP) SHALL BE REQUIRED ALONG THE EDGE OF THE EXISTING PAVEMENT ADJACENT TO THE WIDENING. BACKFILL WITH BITUMINOUS CONCRETE BASE ON THE SAME PASS AS THE WIDENING.



PAVEMENT SCHEDULE

TRAFFIC LANE	1.5" CL3 ASPHALT SURFACE 0.50A PG76-22 4.0" CL3 ASPHALT BASE 1.00D PG76-22 4.0" CL3 ASPHALT BASE 1.00D PG64-22 4.0" DRAINAGE BLANKET-TYPE II-ASPHALT ASPHALT CURING SEAL (APPLY AT A RATE OF 1.6 lb/sq yd) 4.0" DENSE GRADED AGGREGATE
SHOULDER	1.5" CL2 ASPHALT SURFACE 0.50D PG64-22 4.0" CL2 ASPHALT BASE 1.00D PG64-22 8.0" DRAINAGE BLANKET-TYPE II-ASPHALT ASPHALT CURING SEAL (APPLY AT A RATE OF 1.6 lb/sq yd) 4.0" DENSE GRADED AGGREGATE
ROADBED PREPARATION	8.0" CEMENT STABILIZED ROADBED CEMENT (APPLY AT A RATE OF 6% BY WEIGHT AT 109 lb/cu ft) ASPHALT CURING SEAL (APPLY AT A RATE OF 2.0 lb/sq yd) SAND FOR BLOTTER (APPLY AT A RATE OF 5.0 lb/sq yd)

• ASPHALT SEAL REQUIRED FROM OUTSIDE EDGE OF PAVED SHOULDER TO A POINT 2' DOWN THE DITCH OR FILL SLOPE. TWO APPLICATIONS OF THE FOLLOWING:

EMULSIFIED ASPHALT RS-2 @ 2.4 LBS PER SQ. YD.
ASPHALT SEAL AGGREGATE @ 20 LBS PER SQ. YD. (NO. 8 OR 9)

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Cell Library: roadway-ceil
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DD-MMM-YYYY HH:MM

VENDORS NAME
1-92
FORM NO. 2

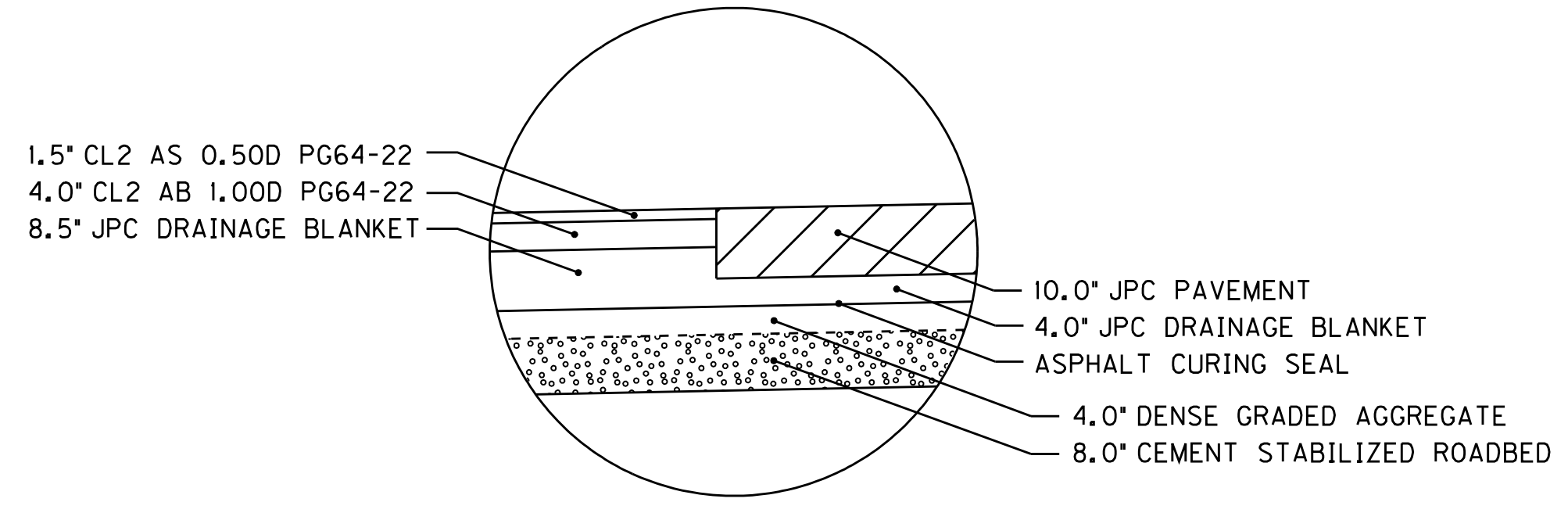
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TYPICAL SECTIONS

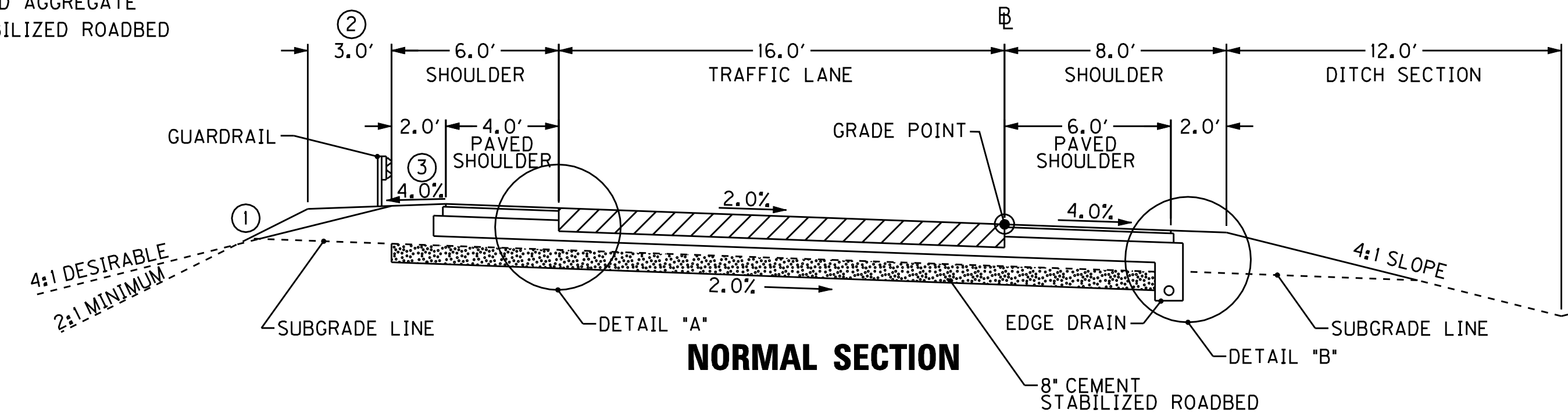
TYPICAL SECTIONS

ALTERNATES A & B
INTERSTATE 65 RAMPS 1 & 4
RAMP 1 STA. 12+92.37 TO STA. 25+42.35
RAMP 4 STA. 10+00.00 TO STA. 23+00.00

- ① SEE X-SECTIONS FOR SLOPES OUTSIDE OF SHOULDER
- ② WIDEN SHOULDER 3ft+ FOR GUARDRAIL
- ③ PAVED SHOULDER SHALL EXTEND TO FACE OF GUARDRAIL
- ④ SUPERELEVATED SHOULDERS, CONSTRUCT TO STANDARD SUPERELEVATION EXCEPT NOT FLATTER THAN NORMAL SHOULDER SLOPES
- ⑤ USE THE MIN. FABRIC WIDTH NECESSARY TO ALLOW FOR A 1' OVERLAP

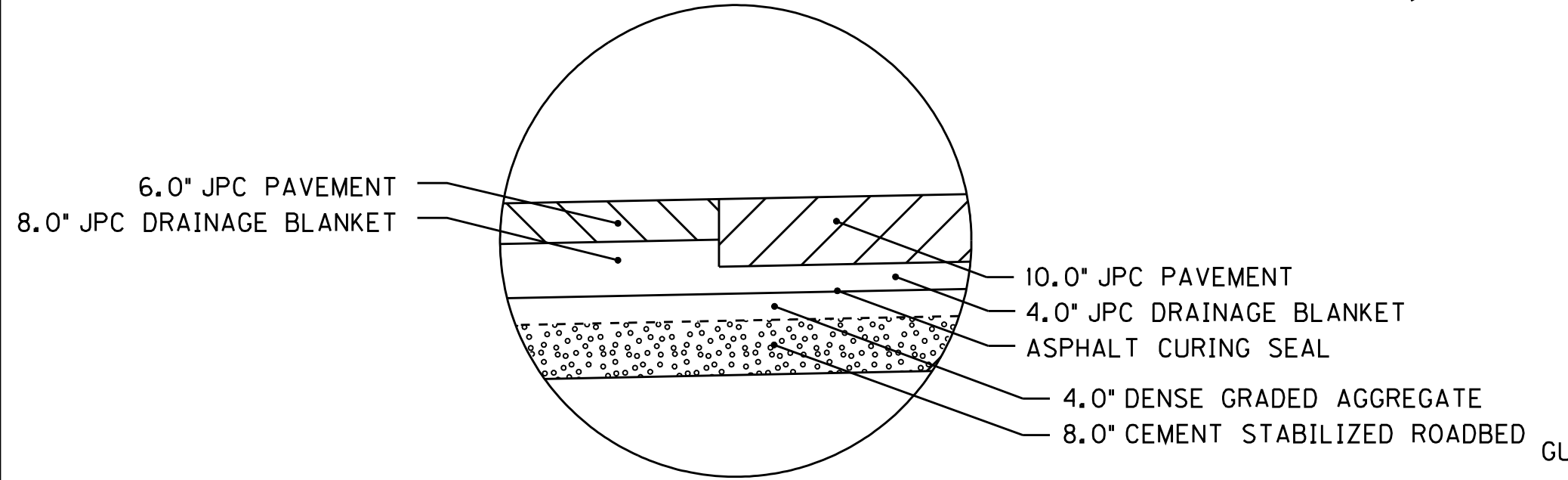


DETAIL "A"
ALTERNATE B (ASPHALT SHOULDER ALTERNATE)

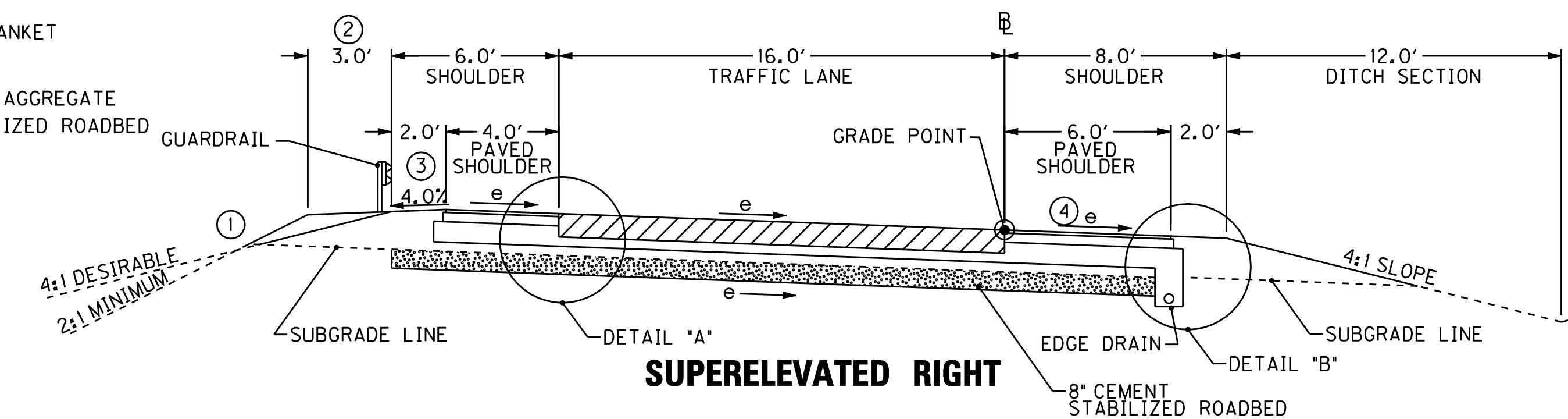


NORMAL SECTION

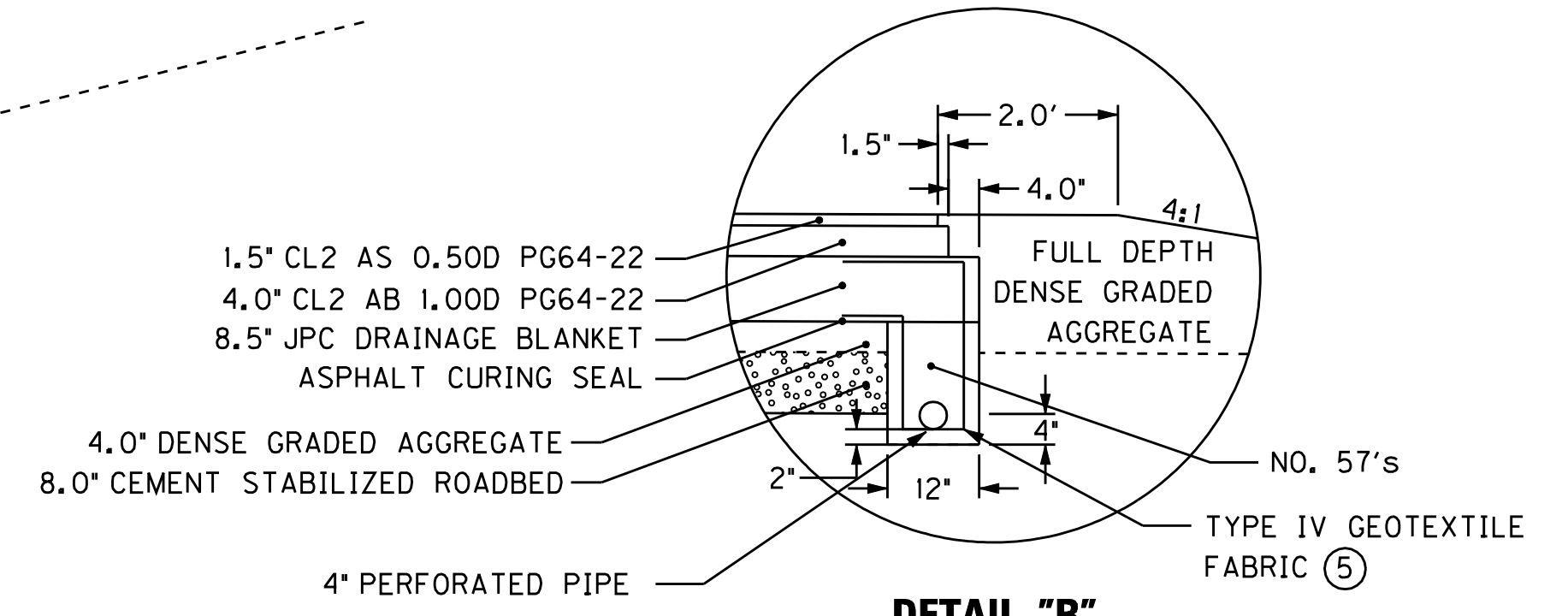
NOTE: THE CONSTRUCTED SUBGRADE BUILT WITH THE GRADE & DRAIN PLANS MAY BE UP TO 1/2" HIGH FOR THE CONCRETE PAVEMENT ALTERNATE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO RAISE THE PROPOSED GRADE 1/2" AND TRANSITION TO MATCH THE EXISTING BRIDGE @ I-65 AND PLANO ROAD APPROACH.



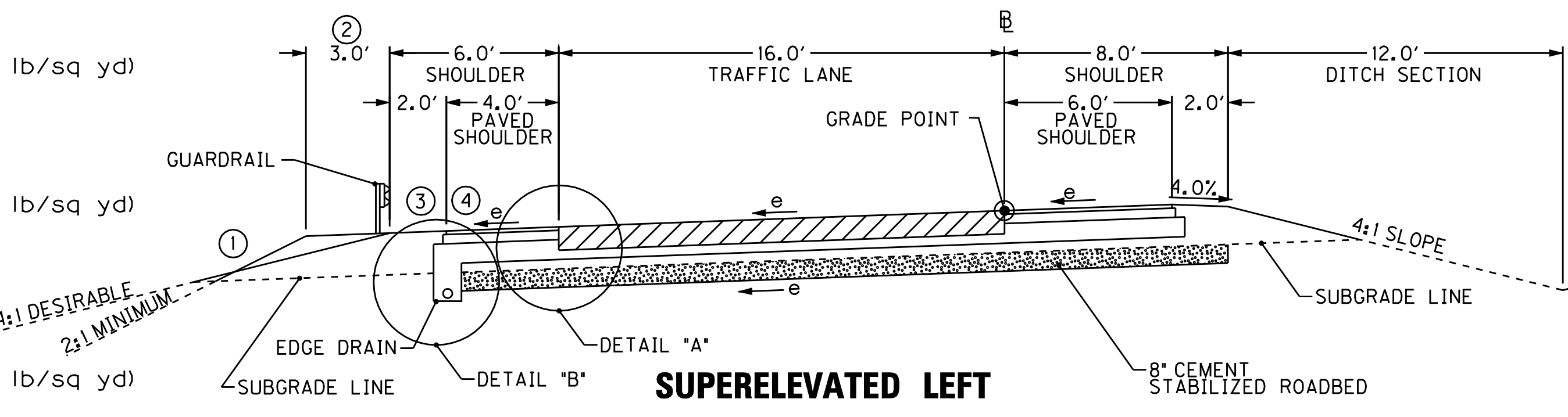
DETAIL "A"
ALTERNATE A (CONCRETE SHOULDER ALTERNATE)



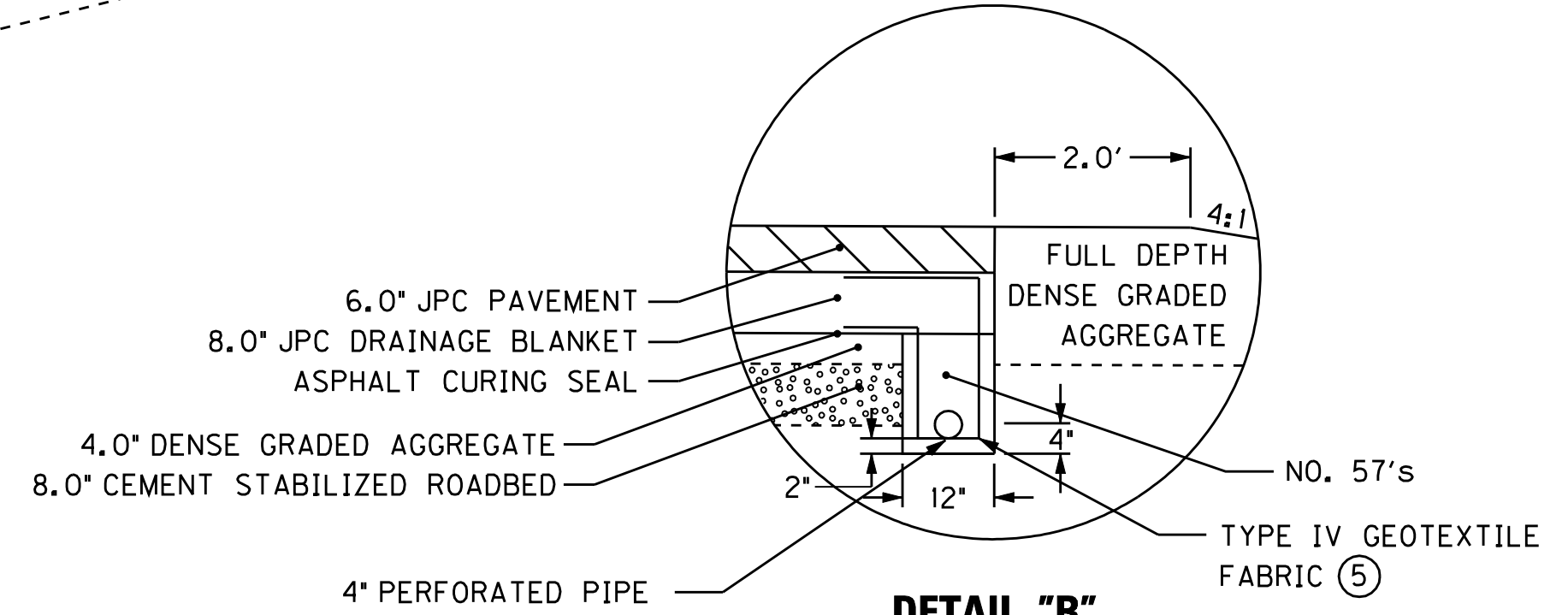
SUPERELEVATED RIGHT



DETAIL "B"
ALTERNATE B (ASPHALT SHOULDER ALTERNATE)



SUPERELEVATED LEFT



DETAIL "B"
ALTERNATE A (CONCRETE SHOULDER ALTERNATE)

PAVEMENT SCHEDULE

TRAFFIC LANE	10.0" JPC PAVEMENT 4.0" JPC DRAINAGE BLANKET ASPHALT CURING SEAL (APPLY AT A RATE OF 1.6 lb/sq yd) 4.0" DENSE GRADED AGGREGATE
SHOULDER - OPTION 1 (CONCRETE ALTERNATE)	6.0" JPC PAVEMENT 8.0" JPC DRAINAGE BLANKET ASPHALT CURING SEAL (APPLY AT A RATE OF 1.6 lb/sq yd) 4.0" DENSE GRADED AGGREGATE
SHOULDER - OPTION 2 (ASPHALT ALTERNATE)	1.5" CL2 ASPHALT SURFACE 0.50D PG64-22 4.0" CL2 ASPHALT BASE 1.00D PG64-22 8.5" JPC DRAINAGE BLANKET ASPHALT CURING SEAL (APPLY AT A RATE OF 1.6 lb/sq yd) 4.0" DENSE GRADED AGGREGATE
ROADBED PREPARATION	8.0" CEMENT STABILIZED ROADBED CEMENT (APPLY AT A RATE OF 6% BY WEIGHT AT 109 lb/cu ft) ASPHALT CURING SEAL (APPLY AT A RATE OF 2.0 lb/sq yd) SAND FOR BLOTTER (APPLY AT A RATE OF 5.0 lb/sq yd)

• ASPHALT SEAL REQUIRED FROM OUTSIDE EDGE OF PAVED SHOULDER TO A POINT 2' DOWN THE DITCH OR FILL SLOPE. TWO APPLICATIONS OF THE FOLLOWING:
EMULSIFIED ASPHALT RS-2 @ 2.4 LBS PER SQ. YD.
ASPHALT SEAL AGGREGATE @ 20 LBS PER SQ. YD. (NO. 8 OR 9)

DESIGN SPEED = 30 m.p.h.

TYPICAL SECTIONS

PREPARED BY: _____ DATE: _____
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APPROVED BY: _____ DATE: _____

Cell Library: roadway-ceil
Cell Name: sp
DD-MMM-YYYY HH:MM

VENDORS NAME: _____
1-92 FORM NO. 2

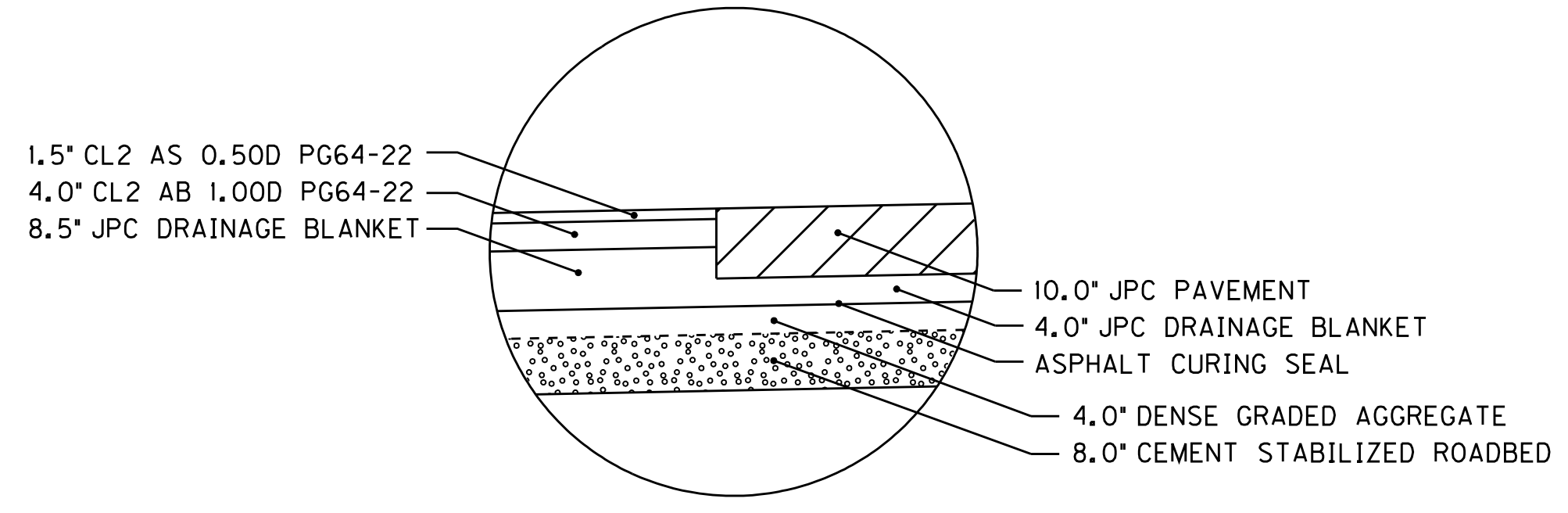
REVISION 03-09-2011

TYPICAL SECTIONS

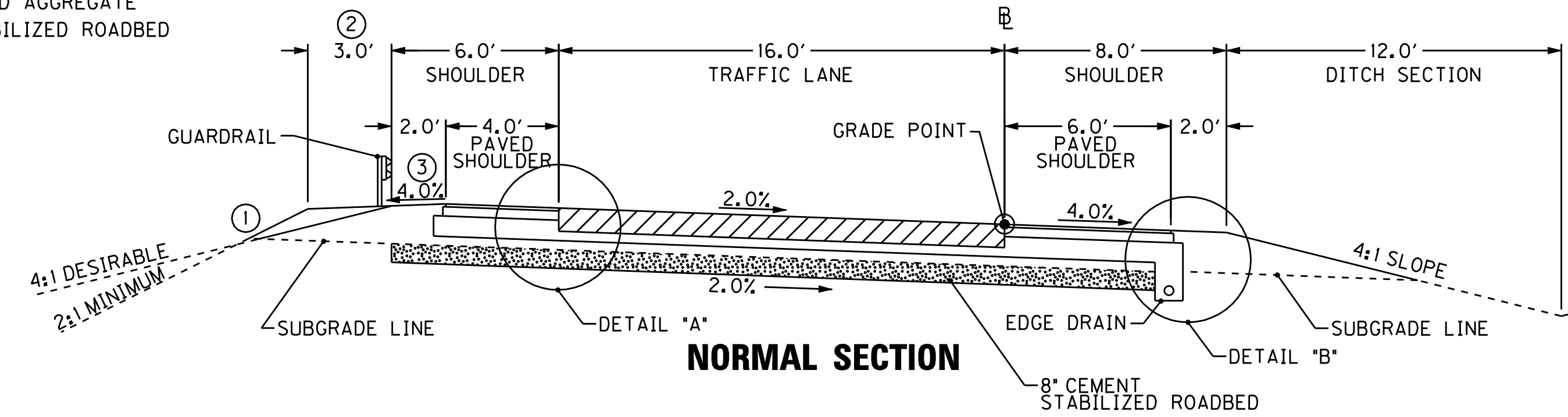
ALTERNATES A & B
INTERSTATE 65 RAMPS 1 & 4
RAMP 1 STA. 12+92.37 TO STA. 25+42.35
RAMP 4 STA. 10+00.00 TO STA. 23+00.00

- ① SEE X-SECTIONS FOR SLOPES OUTSIDE OF SHOULDER
- ② WIDEN SHOULDER 3ft+ FOR GUARDRAIL
- ③ PAVED SHOULDER SHALL EXTEND TO FACE OF GUARDRAIL
- ④ SUPERELEVATED SHOULDERS, CONSTRUCT TO STANDARD SUPERELEVATION EXCEPT NOT FLATTER THAN NORMAL SHOULDER SLOPES
- ⑤ USE THE MIN. FABRIC WIDTH NECESSARY TO ALLOW FOR A 1' OVERLAP

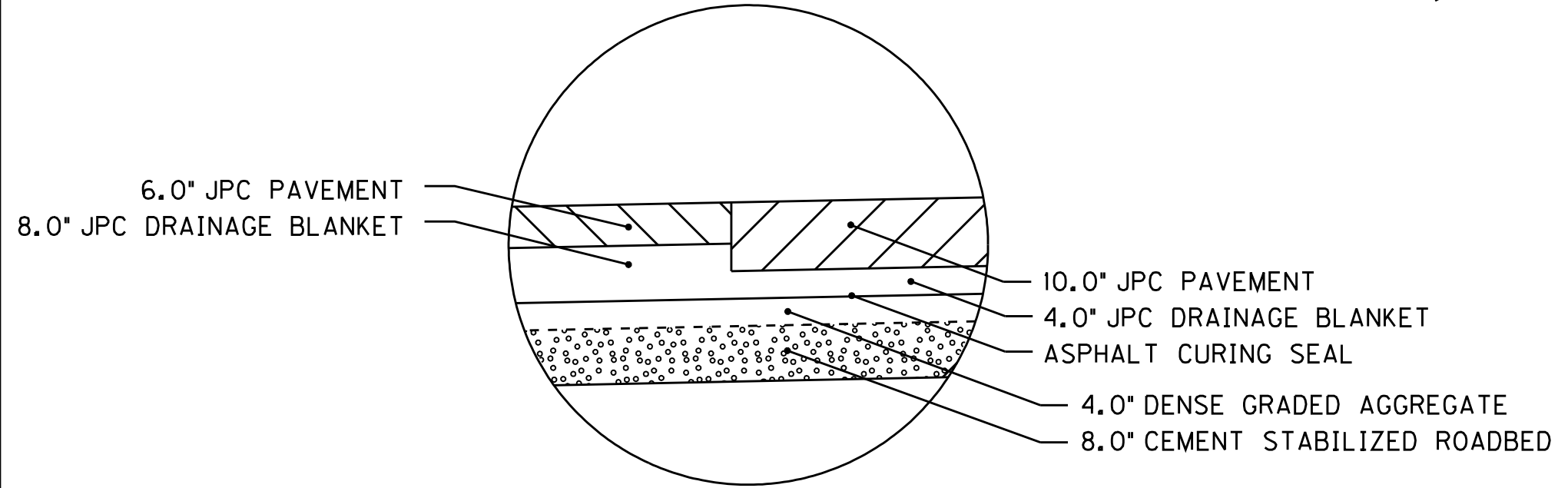
NOTE: THE CONSTRUCTED SUBGRADE BUILT WITH THE GRADE & DRAIN PLANS MAY BE UP TO 1/2" HIGH FOR THE CONCRETE PAVEMENT ALTERNATE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO RAISE THE PROPOSED GRADE 1/2" AND TRANSITION TO MATCH THE EXISTING BRIDGE @ I-65 AND PLANO ROAD APPROACH.



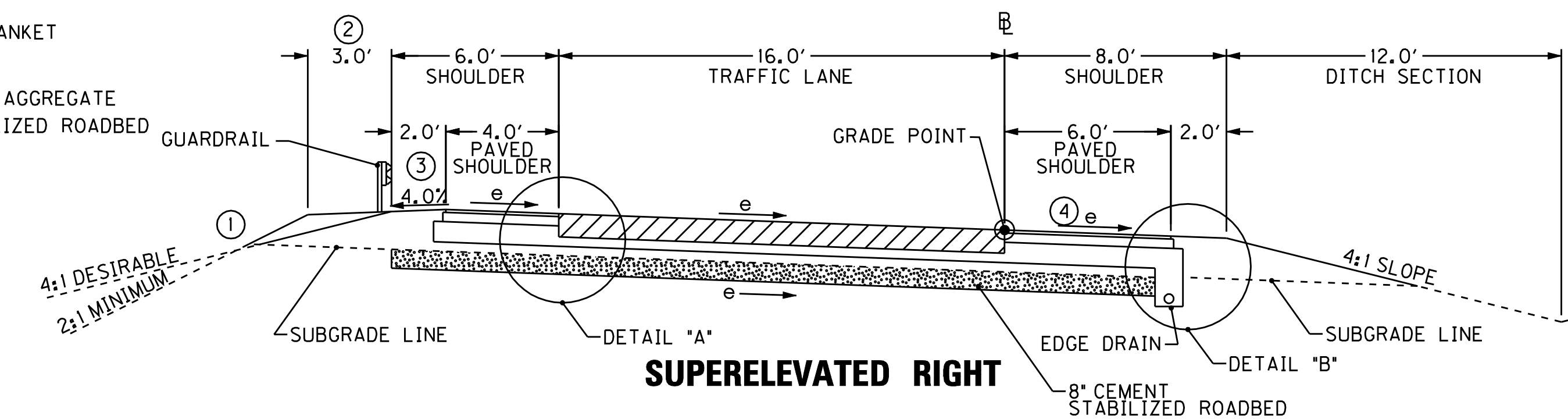
DETAIL "A"
ALTERNATE B (ASPHALT SHOULDER ALTERNATE)



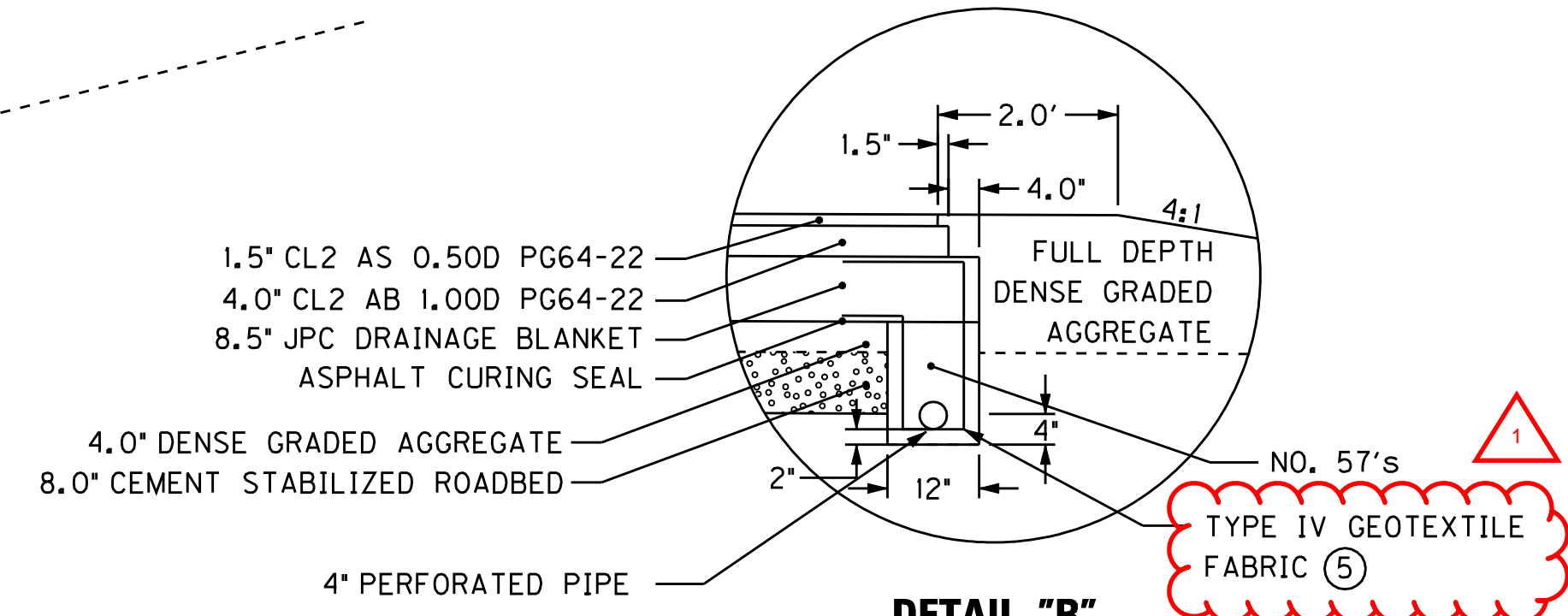
NORMAL SECTION



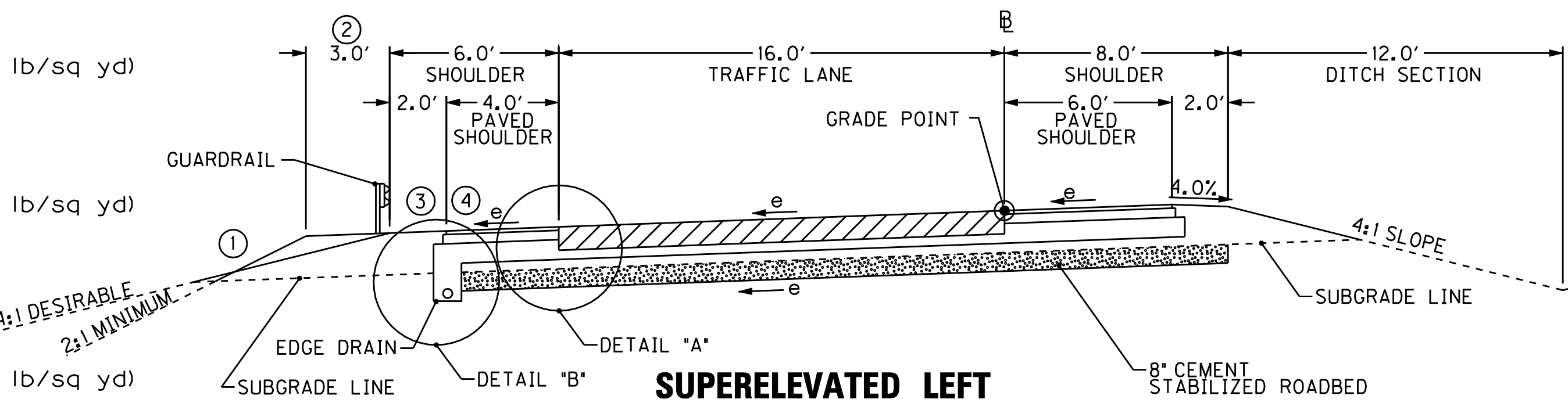
DETAIL "A"
ALTERNATE A (CONCRETE SHOULDER ALTERNATE)



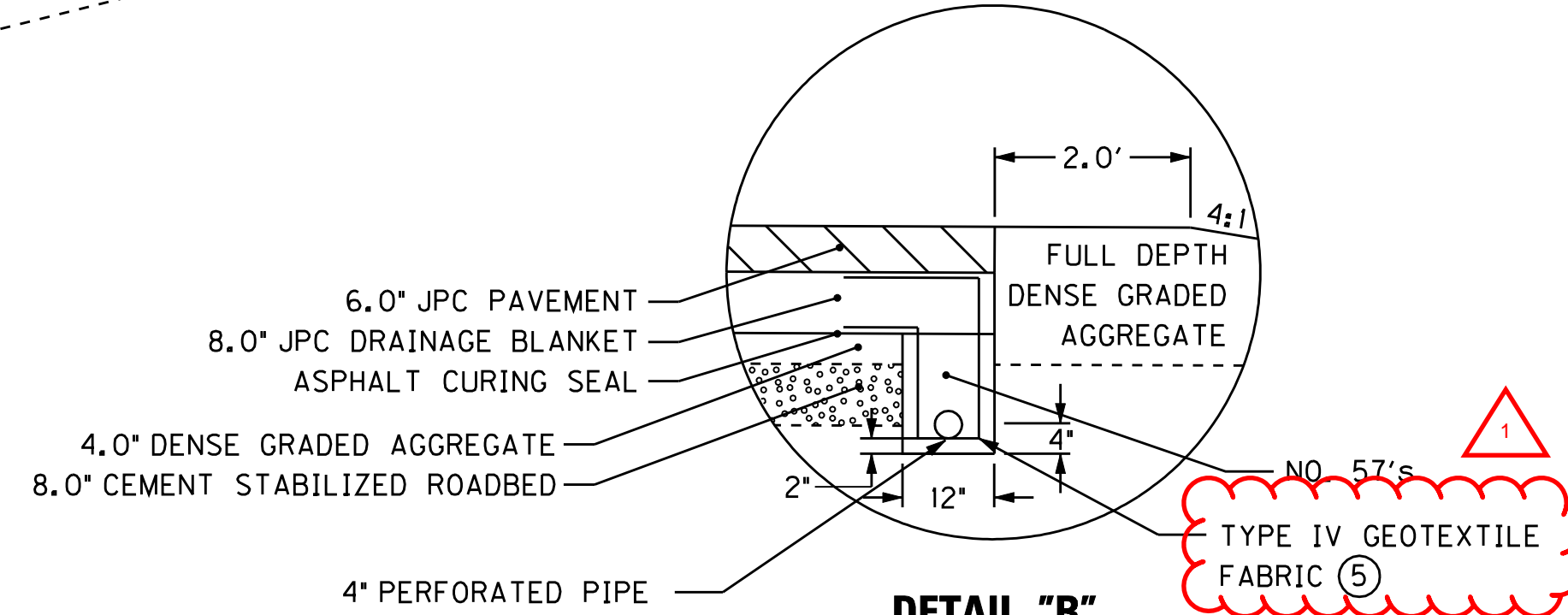
SUPERELEVATED RIGHT



DETAIL "B"
ALTERNATE B (ASPHALT SHOULDER ALTERNATE)



SUPERELEVATED LEFT



DETAIL "B"
ALTERNATE A (CONCRETE SHOULDER ALTERNATE)

PAVEMENT SCHEDULE

TRAFFIC LANE	10.0" JPC PAVEMENT 4.0" JPC DRAINAGE BLANKET ASPHALT CURING SEAL (APPLY AT A RATE OF 1.6 lb/sq yd) 4.0" DENSE GRADED AGGREGATE
SHOULDER - OPTION 1 (CONCRETE ALTERNATE)	6.0" JPC PAVEMENT 8.0" JPC DRAINAGE BLANKET ASPHALT CURING SEAL (APPLY AT A RATE OF 1.6 lb/sq yd) 4.0" DENSE GRADED AGGREGATE
SHOULDER - OPTION 2 (ASPHALT ALTERNATE)	1.5" CL2 ASPHALT SURFACE 0.50D PG64-22 4.0" CL2 ASPHALT BASE 1.00D PG64-22 8.5" JPC DRAINAGE BLANKET ASPHALT CURING SEAL (APPLY AT A RATE OF 1.6 lb/sq yd) 4.0" DENSE GRADED AGGREGATE
ROADBED PREPARATION	8.0" CEMENT STABILIZED ROADBED CEMENT (APPLY AT A RATE OF 6% BY WEIGHT AT 109 lb/cu ft) ASPHALT CURING SEAL (APPLY AT A RATE OF 2.0 lb/sq yd) SAND FOR BLOTTER (APPLY AT A RATE OF 5.0 lb/sq yd)

* ASPHALT SEAL REQUIRED FROM OUTSIDE EDGE OF PAVED SHOULDER TO A POINT 2' DOWN THE DITCH OR FILL SLOPE. TWO APPLICATIONS OF THE FOLLOWING:
EMULSIFIED ASPHALT RS-2 @ 2.4 LBS PER SQ. YD.
ASPHALT SEAL AGGREGATE @ 20 LBS PER SQ. YD. (NO. 8 OR 9)

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Cell Library: roadway-ceil
Cell Name: SP
DD-MMM-YYYY HH:MM

VENDORS NAME: _____
1-92 FORM NO. 2

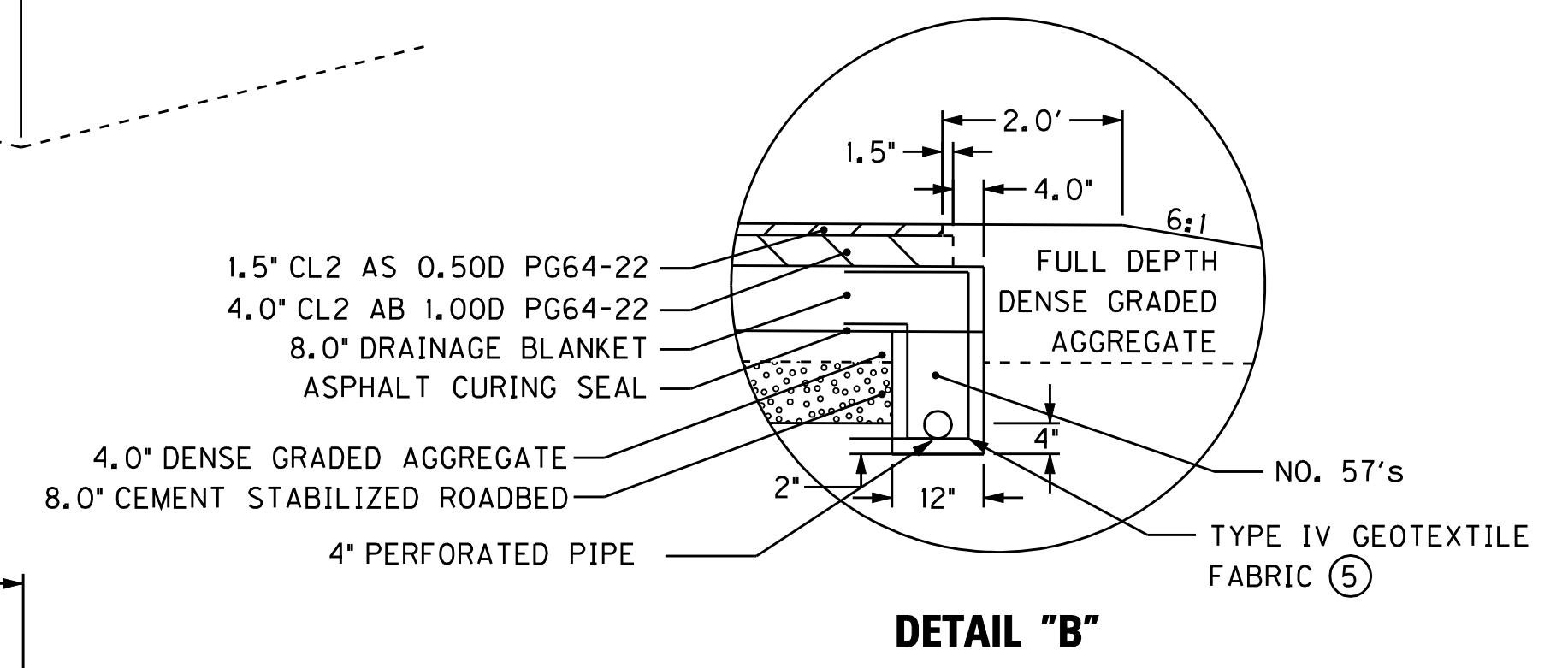
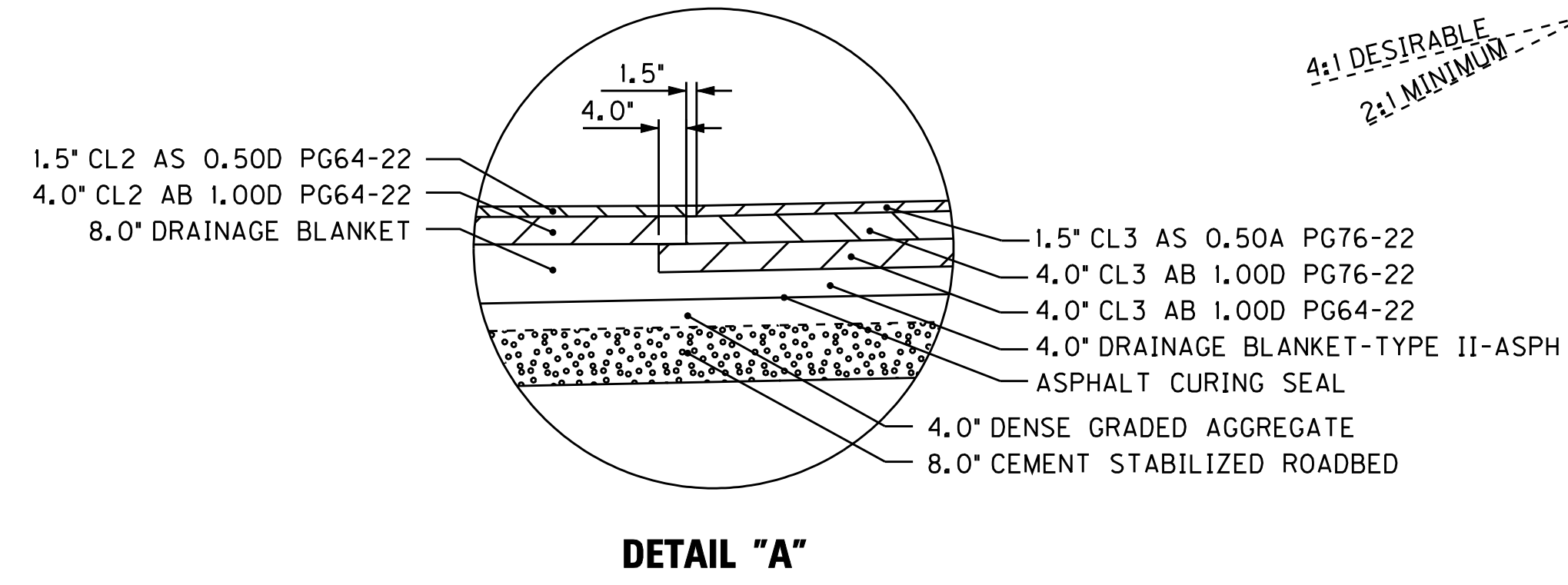
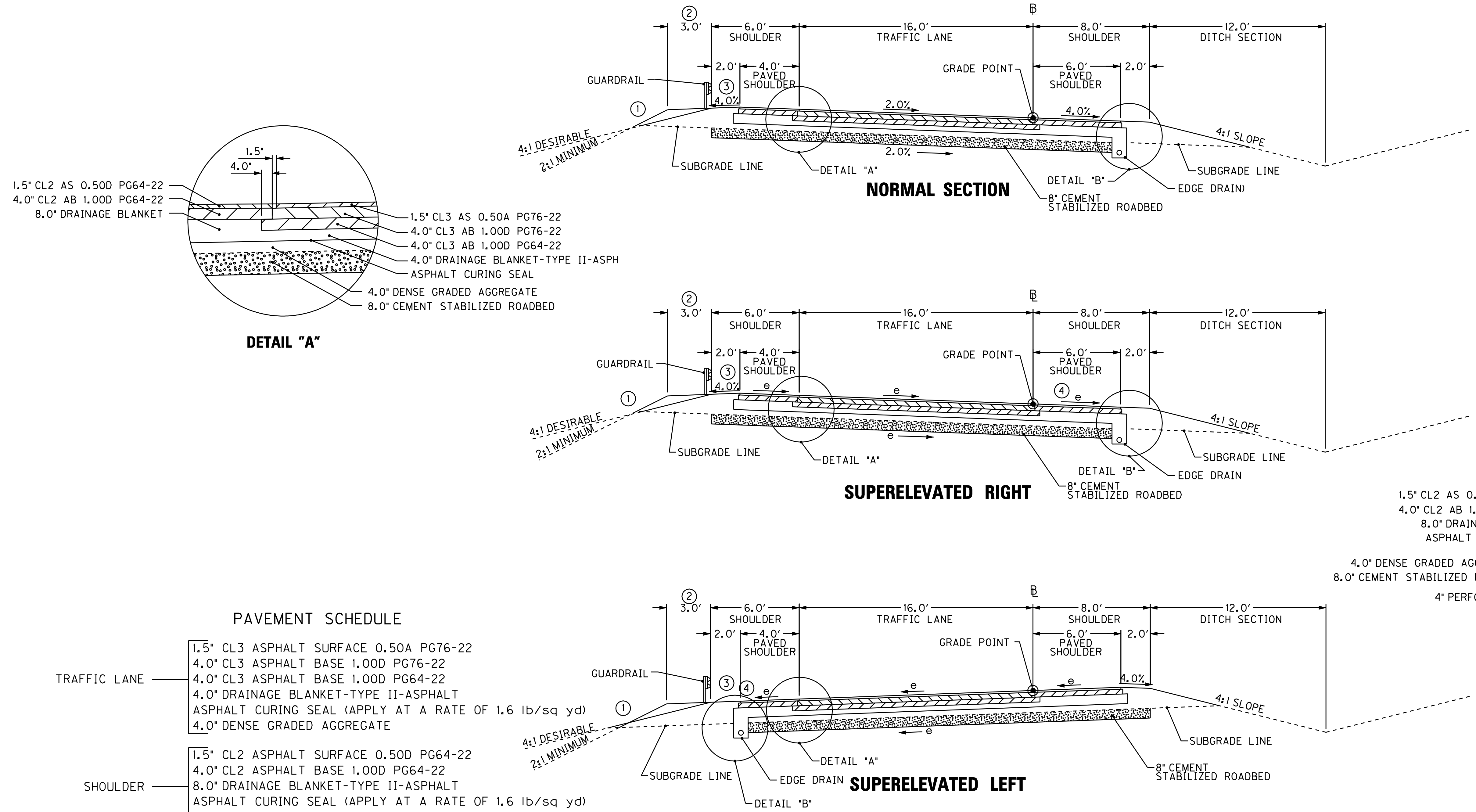
DESIGN SPEED = 30 m.p.h.

TYPICAL SECTIONS

TYPICAL SECTIONS

ALTERNATE C
INTERSTATE 65 RAMPS 1 & 4
RAMP 1 STA. 12+92.37 TO STA. 25+42.35
RAMP 4 STA. 10+00.00 TO STA. 23+00.00

- ① SEE X-SECTIONS FOR SLOPES OUTSIDE OF SHOULDER
- ② WIDEN SHOULDER 3ft+ FOR GUARDRAIL
- ③ PAVED SHOULDER SHALL EXTEND TO FACE OF GUARDRAIL
- ④ SUPERELEVATED SHOULDERS, CONSTRUCT TO STANDARD SUPERELEVATION EXCEPT NOT FLATTER THAN NORMAL SHOULDER SLOPES
- ⑤ USE THE MIN. FABRIC WIDTH NECESSARY TO ALLOW FOR A 1' OVERLAP



PAVEMENT SCHEDULE	
TRAFFIC LANE	1.5" CL3 ASPHALT SURFACE 0.50A PG76-22 4.0" CL3 ASPHALT BASE 1.00D PG76-22 4.0" CL3 ASPHALT BASE 1.00D PG64-22 4.0" DRAINAGE BLANKET-TYPE II-ASPHALT ASPHALT CURING SEAL (APPLY AT A RATE OF 1.6 lb/sq yd) 4.0" DENSE GRADED AGGREGATE
SHOULDER	1.5" CL2 ASPHALT SURFACE 0.50D PG64-22 4.0" CL2 ASPHALT BASE 1.00D PG64-22 8.0" DRAINAGE BLANKET-TYPE II-ASPHALT ASPHALT CURING SEAL (APPLY AT A RATE OF 1.6 lb/sq yd) 4.0" DENSE GRADED AGGREGATE
ROADBED PREPARATION	8.0" CEMENT STABILIZED ROADBED CEMENT (APPLY AT A RATE OF 6% BY WEIGHT AT 109 lb/cu ft) ASPHALT CURING SEAL (APPLY AT A RATE OF 2.0 lb/sq yd) SAND FOR BLOTTER (APPLY AT A RATE OF 5.0 lb/sq yd)

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EMULSIFIED ASPHALT RS-2 @ 2.4 LBS PER SQ. YD.
ASPHALT SEAL AGGREGATE @ 20 LBS PER SQ. YD. (NO. 8 OR 9)

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Cell Library: roadway-ceil
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VENDORS NAME
1-92
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DESIGN SPEED = 30 m.p.h.

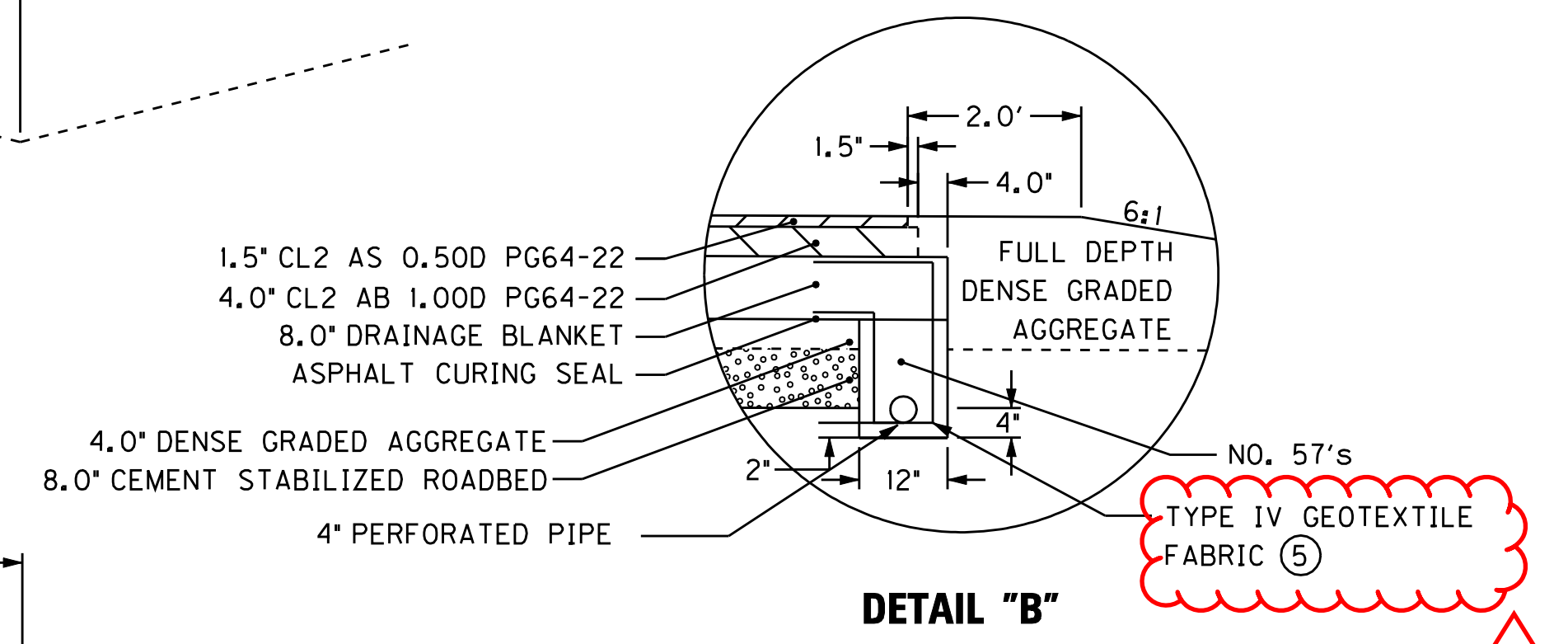
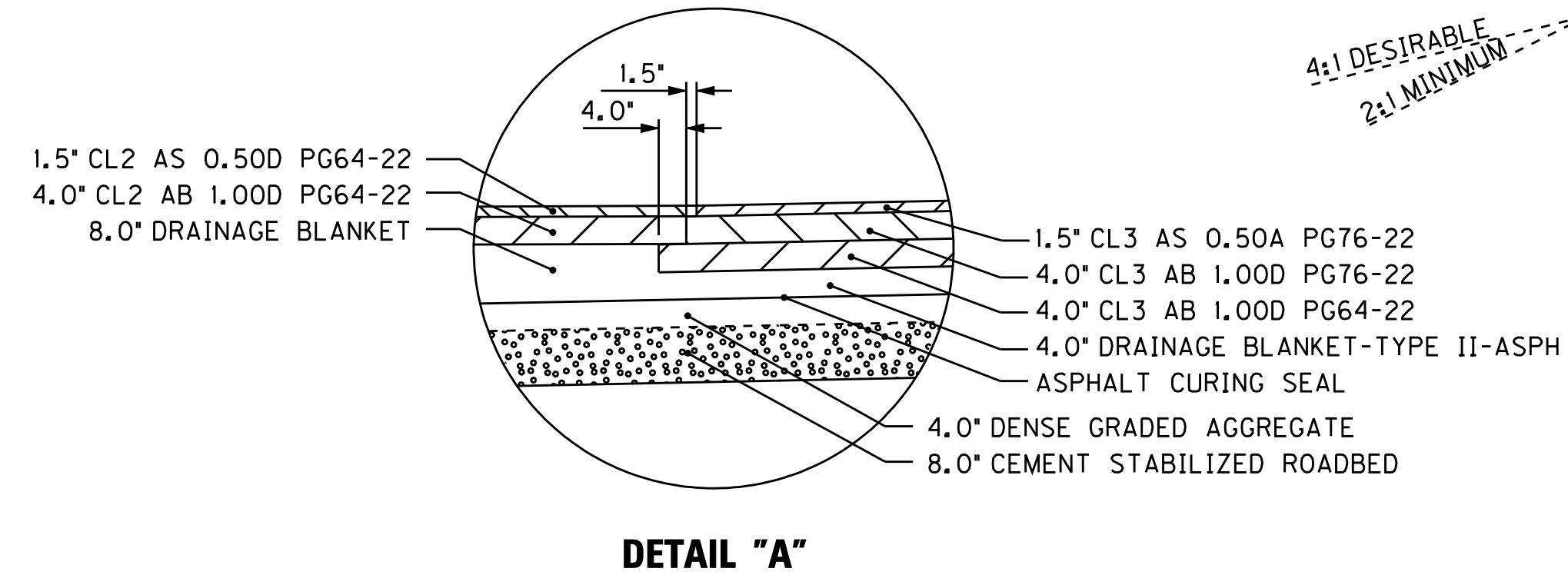
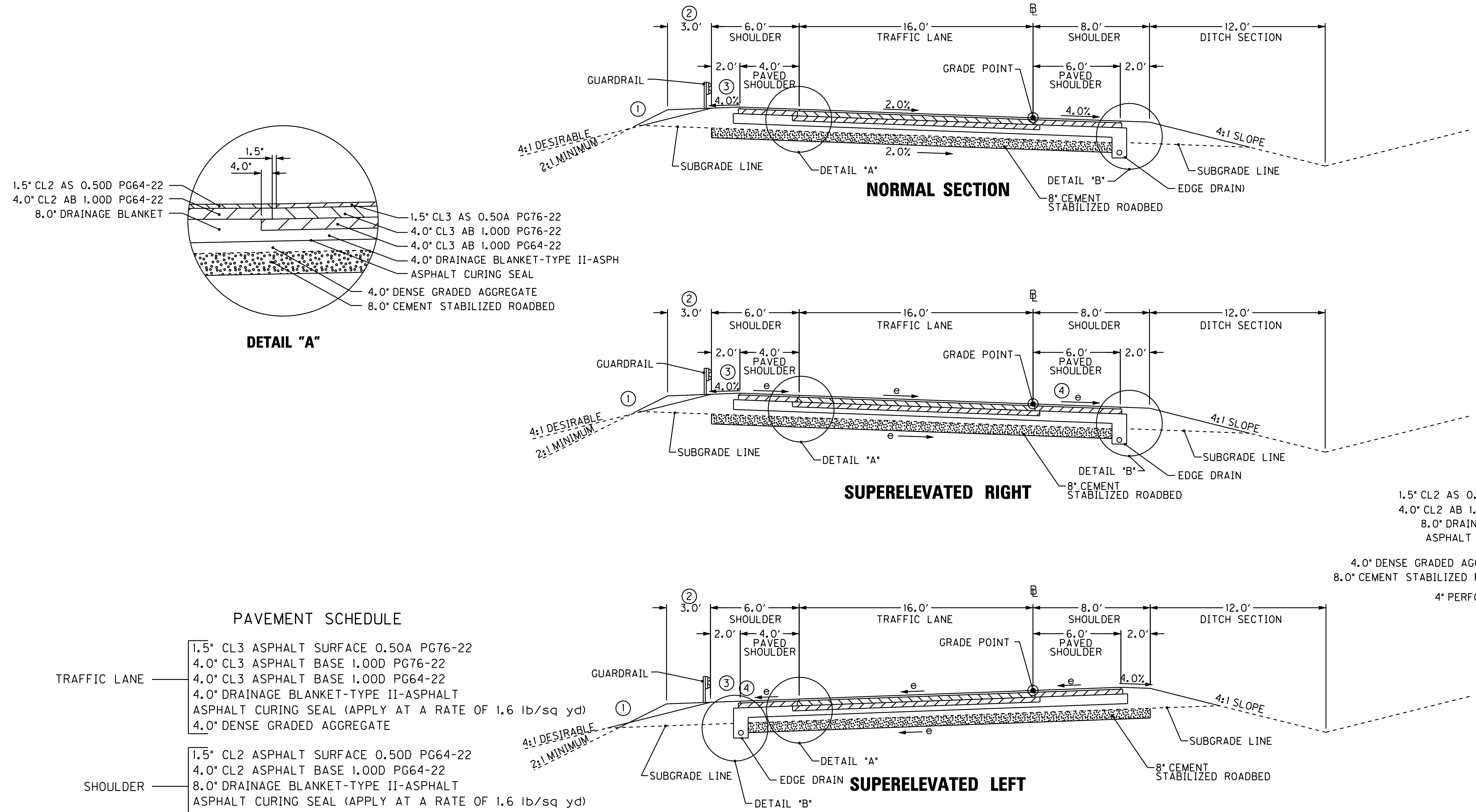
TYPICAL SECTIONS

REVIS 03-09-2011

TYPICAL SECTIONS

ALTERNATE C
INTERSTATE 65 RAMPS 1 & 4
RAMP 1 STA. 12+92.37 TO STA. 25+42.35
RAMP 4 STA. 10+00.00 TO STA. 23+00.00

- ① SEE X-SECTIONS FOR SLOPES OUTSIDE OF SHOULDER
- ② WIDEN SHOULDER 3ft+ FOR GUARDRAIL
- ③ PAVED SHOULDER SHALL EXTEND TO FACE OF GUARDRAIL
- ④ SUPERELEVATED SHOULDERS, CONSTRUCT TO STANDARD SUPERELEVATION EXCEPT NOT FLATTER THAN NORMAL SHOULDER SLOPES
- ⑤ USE THE MIN. FABRIC WIDTH NECESSARY TO ALLOW FOR A 1' OVERLAP



PAVEMENT SCHEDULE	
TRAFFIC LANE	1.5" CL3 ASPHALT SURFACE 0.50A PG76-22 4.0" CL3 ASPHALT BASE 1.00D PG76-22 4.0" CL3 ASPHALT BASE 1.00D PG64-22 4.0" DRAINAGE BLANKET-TYPE II-ASPHALT ASPHALT CURING SEAL (APPLY AT A RATE OF 1.6 lb/sq yd) 4.0" DENSE GRADED AGGREGATE
SHOULDER	1.5" CL2 ASPHALT SURFACE 0.50D PG64-22 4.0" CL2 ASPHALT BASE 1.00D PG64-22 8.0" DRAINAGE BLANKET-TYPE II-ASPHALT ASPHALT CURING SEAL (APPLY AT A RATE OF 1.6 lb/sq yd) 4.0" DENSE GRADED AGGREGATE
ROADBED PREPARATION	8.0" CEMENT STABILIZED ROADBED CEMENT (APPLY AT A RATE OF 6% BY WEIGHT AT 109 lb/cu ft) ASPHALT CURING SEAL (APPLY AT A RATE OF 2.0 lb/sq yd) SAND FOR BLOTTER (APPLY AT A RATE OF 5.0 lb/sq yd)

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EMULSIFIED ASPHALT RS-2 @ 2.4 LBS PER SQ. YD.
ASPHALT SEAL AGGREGATE @ 20 LBS PER SQ. YD. (NO. 8 OR 9)

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VENDOR'S NAME _____
1-92 _____
FORM NO. 2 _____

Cell Library: roadway-cei
Cell Name: sp
DD-MMM-YYYY HH:MM

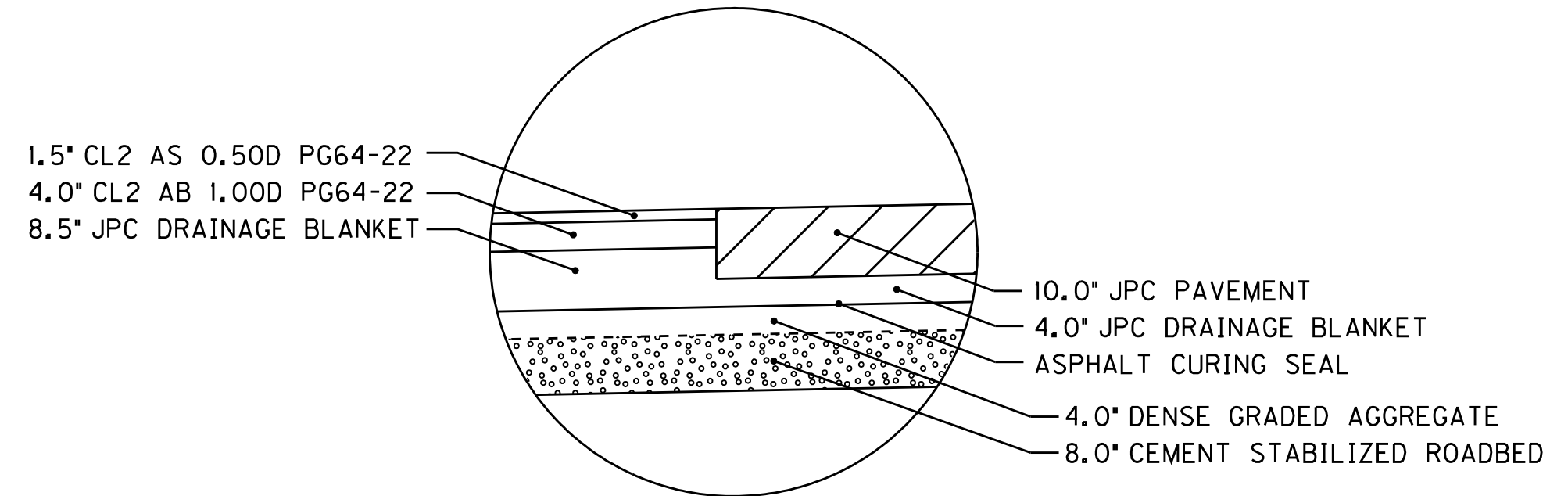
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TYPICAL SECTIONS

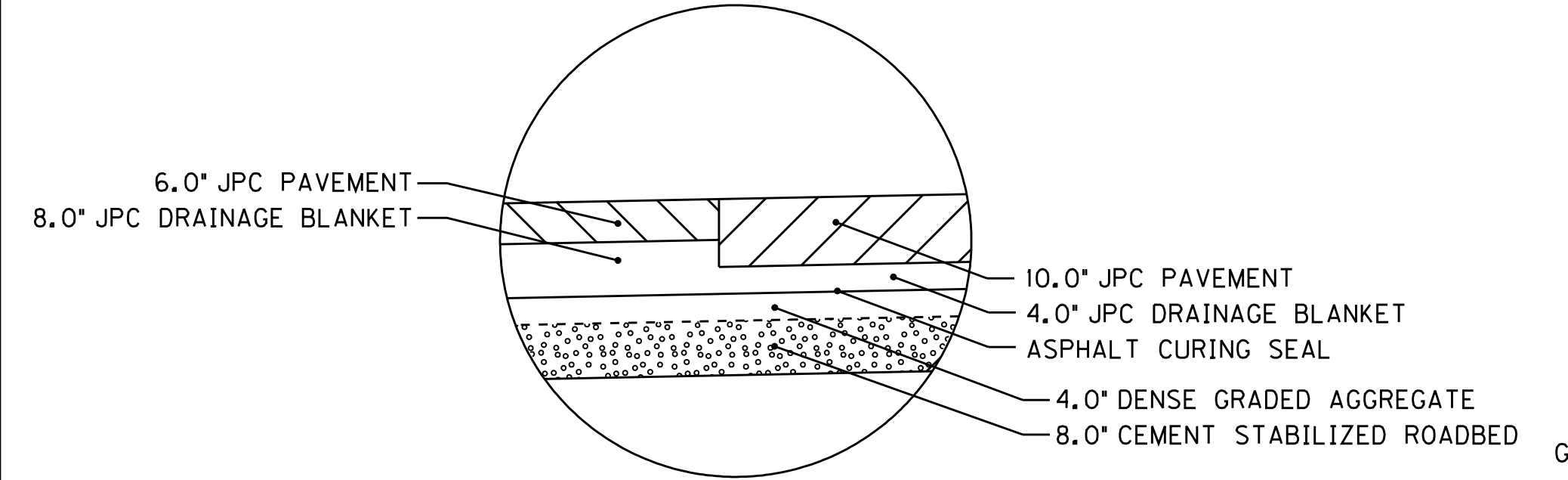
TYPICAL SECTIONS

ALTERNATES A & B
INTERSTATE 65 RAMPS 6 & 7
RAMP 6 STA. 50+00 TO STA. 71+33.89
RAMP 7 STA. 70+00 TO STA. 83+15.50

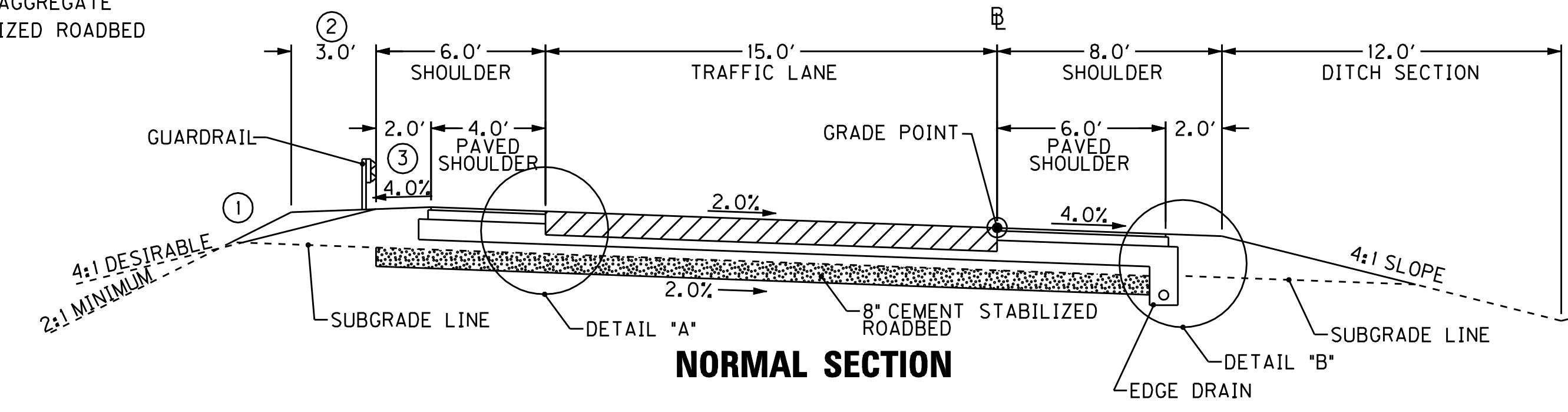
- ① SEE X-SECTIONS FOR SLOPES OUTSIDE OF SHOULDER
- ② WIDEN SHOULDER 3ft+ FOR GUARDRAIL
- ③ PAVED SHOULDER SHALL EXTEND TO FACE OF GUARDRAIL
- ④ SUPERELEVATED SHOULDERS, CONSTRUCT TO STANDARD SUPERELEVATION EXCEPT NOT FLATTER THAN NORMAL SHOULDER SLOPES
- ⑤ USE THE MIN. FABRIC WIDTH NECESSARY TO ALLOW FOR A 1' OVERLAP



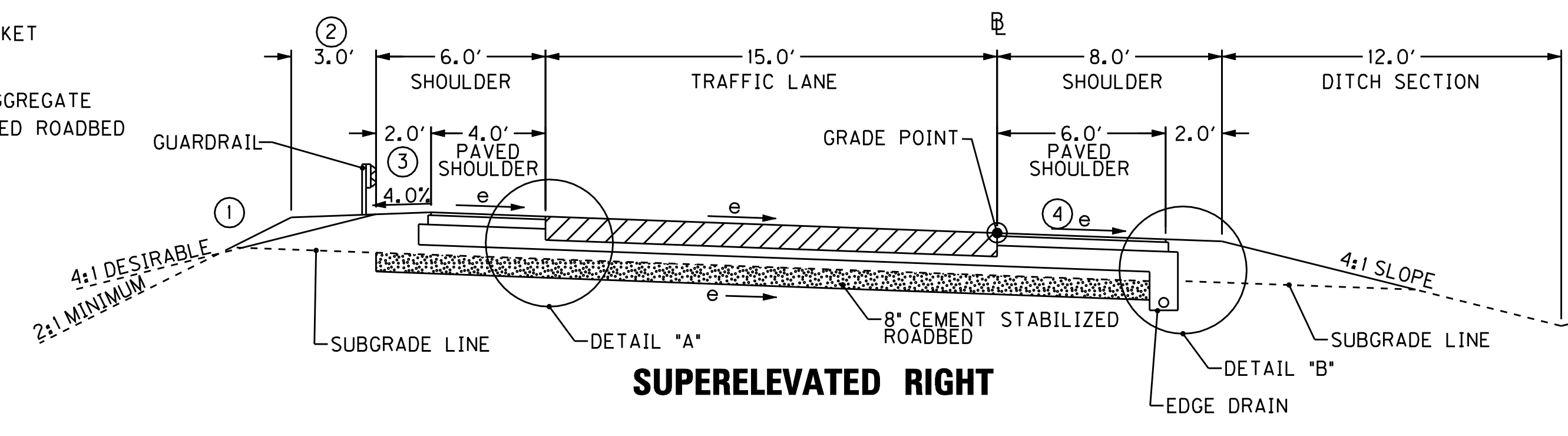
DETAIL "A"
ALTERNATE B (ASPHALT SHOULDER ALTERNATE)



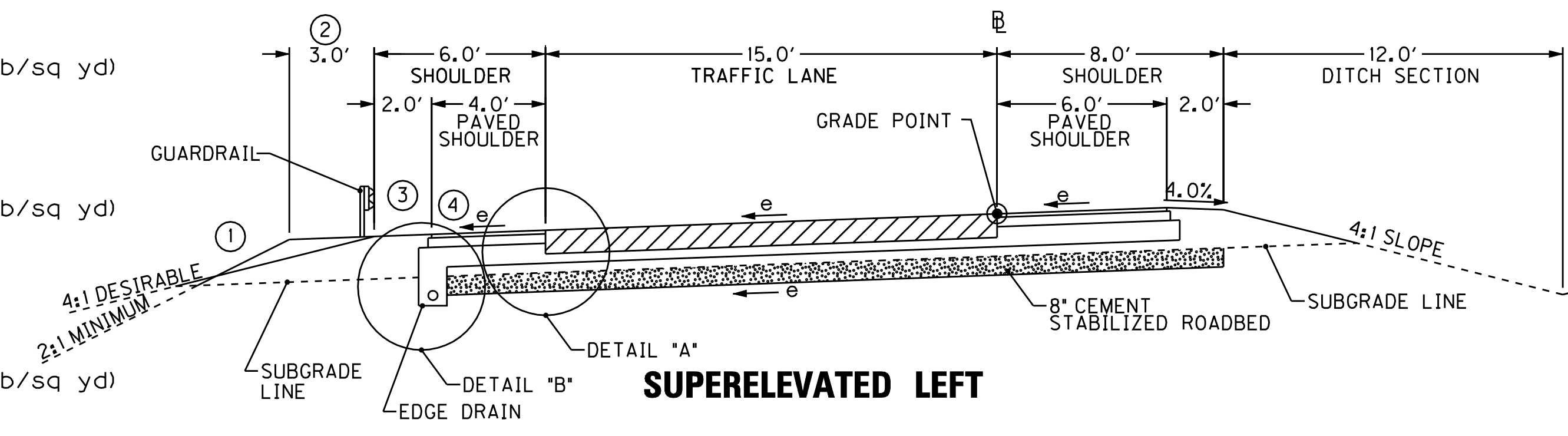
DETAIL "A"
ALTERNATE A (CONCRETE SHOULDER ALTERNATE)



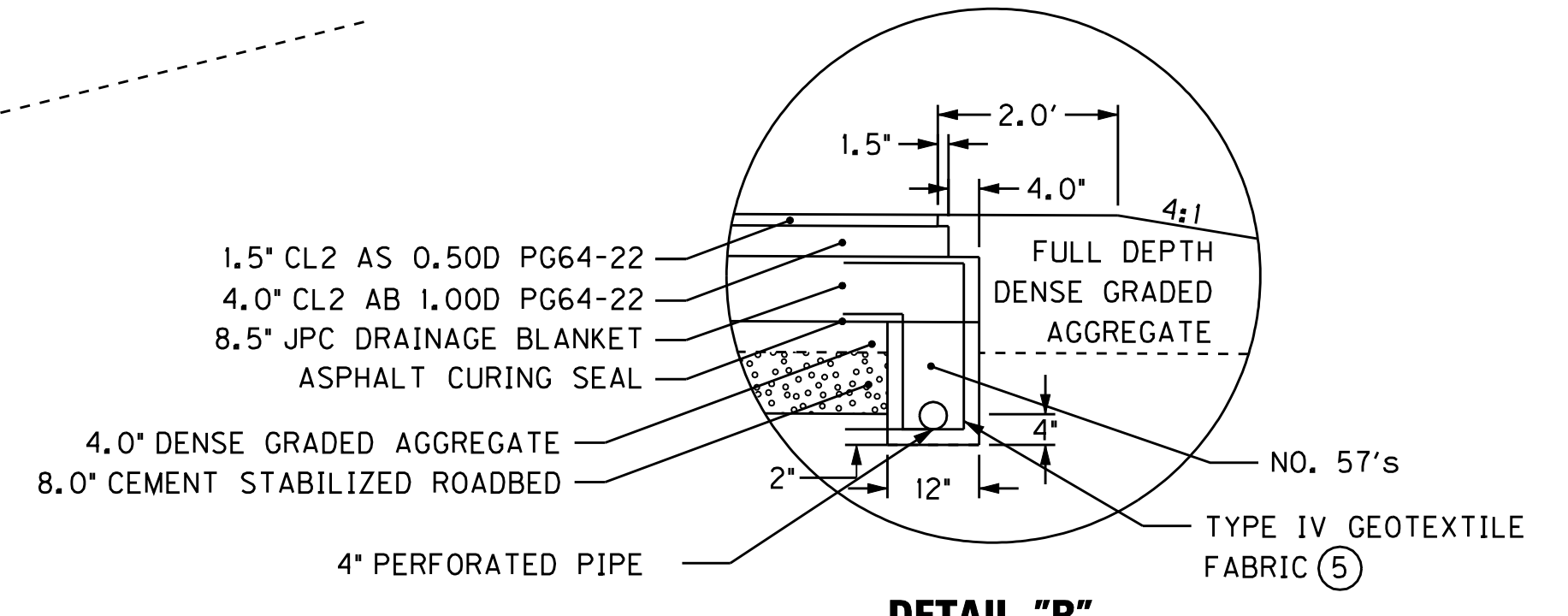
NORMAL SECTION



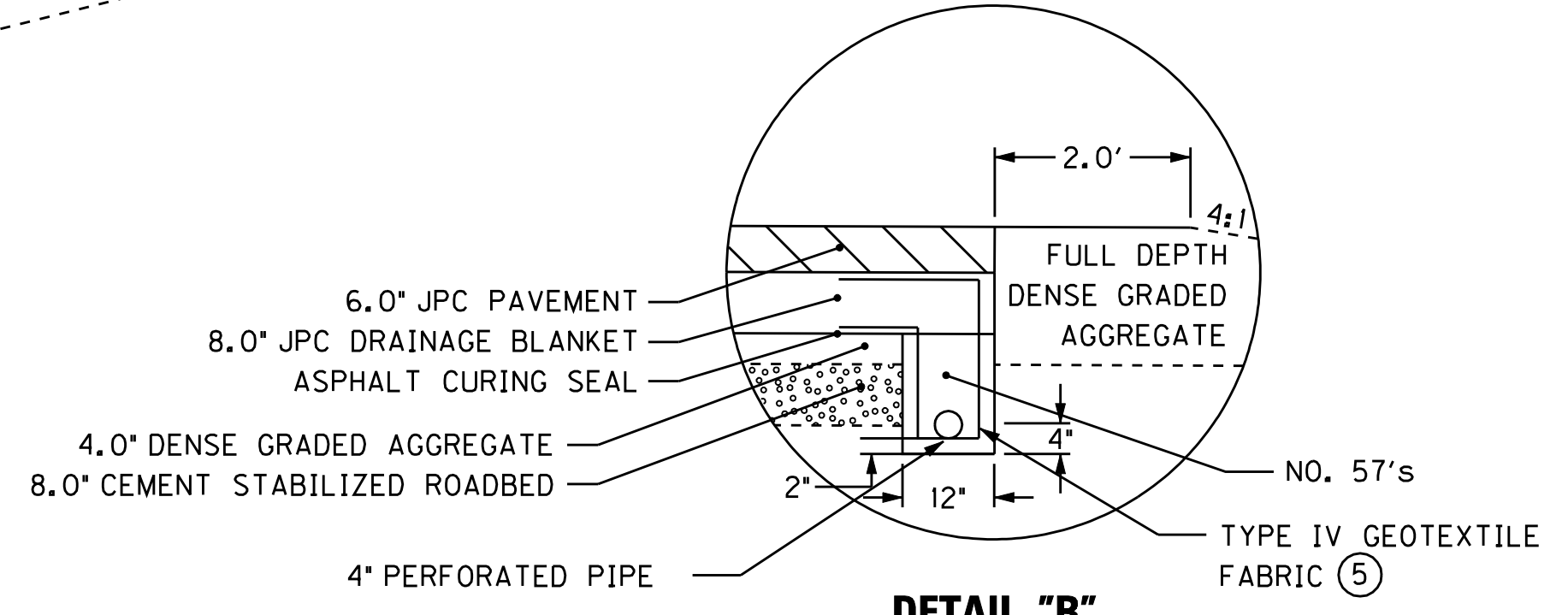
SUPERELEVATED RIGHT



SUPERELEVATED LEFT



DETAIL "B"
ALTERNATE B (ASPHALT SHOULDER ALTERNATE)



DETAIL "B"
ALTERNATE A (CONCRETE SHOULDER ALTERNATE)

PAVEMENT SCHEDULE

TRAFFIC LANE	10.0" JPC PAVEMENT 4.0" JPC DRAINAGE BLANKET ASPHALT CURING SEAL (APPLY AT A RATE OF 1.6 lb/sq yd) 4.0" DENSE GRADED AGGREGATE
SHOULDER - OPTION 1 (CONCRETE ALTERNATE)	6.0" JPC PAVEMENT 8.0" JPC DRAINAGE BLANKET ASPHALT CURING SEAL (APPLY AT A RATE OF 1.6 lb/sq yd) 4.0" DENSE GRADED AGGREGATE
SHOULDER - OPTION 2 (ASPHALT ALTERNATE)	1.5" CL2 ASPHALT SURFACE 0.50D PG64-22 4.0" CL2 ASPHALT BASE 1.00D PG64-22 8.5" JPC DRAINAGE BLANKET ASPHALT CURING SEAL (APPLY AT A RATE OF 1.6 lb/sq yd) 4.0" DENSE GRADED AGGREGATE
ROADBED PREPARATION	8.0" CEMENT STABILIZED ROADBED CEMENT (APPLY AT A RATE OF 6% BY WEIGHT AT 109 lb/cu ft) ASPHALT CURING SEAL (APPLY AT A RATE OF 2.0 lb/sq yd) SAND FOR BLOTTER (APPLY AT A RATE OF 5.0 lb/sq yd)

* ASPHALT SEAL REQUIRED FROM OUTSIDE EDGE OF PAVED SHOULDER TO A POINT 2' DOWN THE DITCH OR FILL SLOPE. TWO APPLICATIONS OF THE FOLLOWING:
EMULSIFIED ASPHALT RS-2 @ 2.4 LBS PER SQ. YD.
ASPHALT SEAL AGGREGATE @ 20 LBS PER SQ. YD. (NO. 8 OR 9)

TYPICAL SECTIONS

DESIGN SPEED = RAMPS 5 & 7 45 m.p.h.
RAMPS 6 & 8 50 m.p.h.

PREPARED BY: _____ DATE: _____
CHECKED BY: _____ DATE: _____
APPROVED BY: _____ DATE: _____

Cell Library: roadway-ceil
Cell Name: SP
DD-MMM-YYYY HH:MM

VENDOR'S NAME: _____
1-92 FORM NO. 2

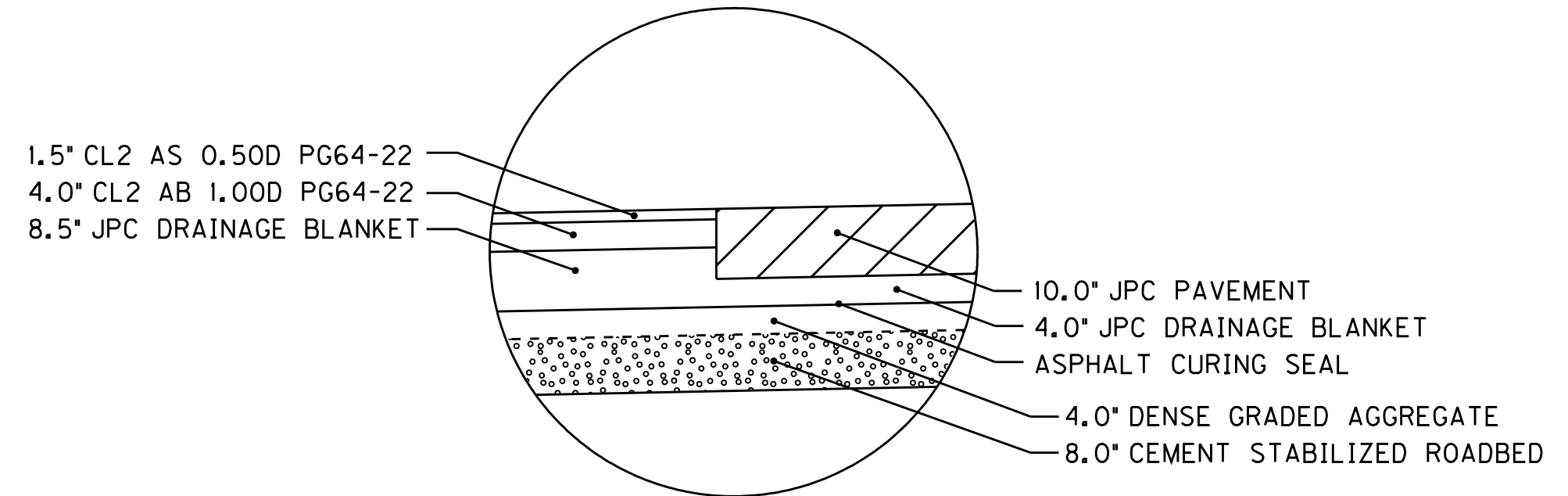
REVISION 03-09-2011

TYPICAL SECTIONS

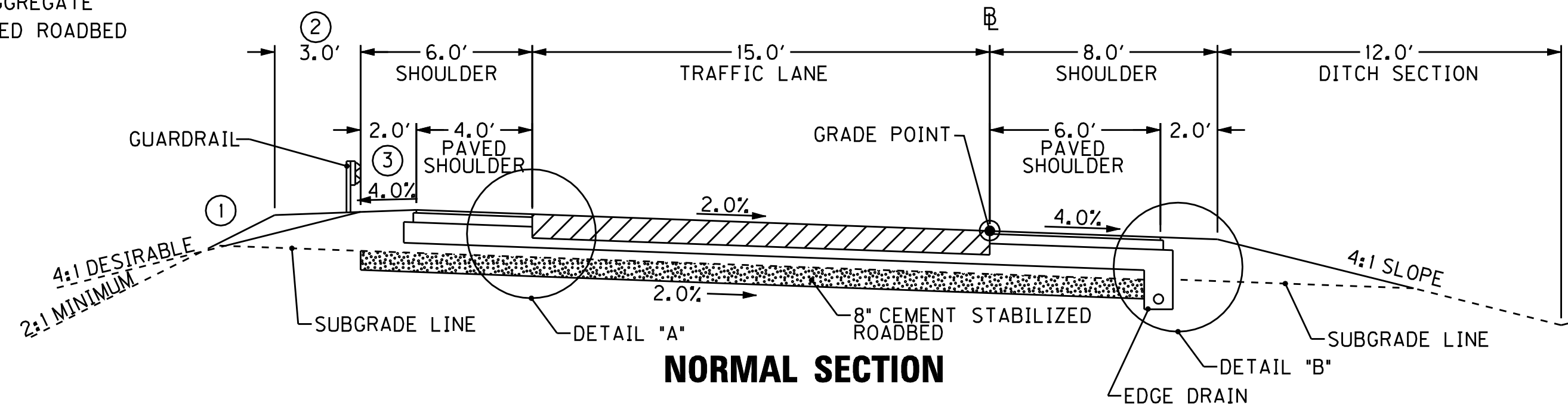
ALTERNATES A & B
INTERSTATE 65 RAMPS 6 & 7
RAMP 6 STA. 50+00 TO STA. 71+33.89
RAMP 7 STA. 70+00 TO STA. 83+15.50

- ① SEE X-SECTIONS FOR SLOPES OUTSIDE OF SHOULDER
- ② WIDEN SHOULDER 3ft+ FOR GUARDRAIL
- ③ PAVED SHOULDER SHALL EXTEND TO FACE OF GUARDRAIL
- ④ SUPERELEVATED SHOULDERS, CONSTRUCT TO STANDARD SUPERELEVATION EXCEPT NOT FLATTER THAN NORMAL SHOULDER SLOPES
- ⑤ USE THE MIN. FABRIC WIDTH NECESSARY TO ALLOW FOR A 1' OVERLAP

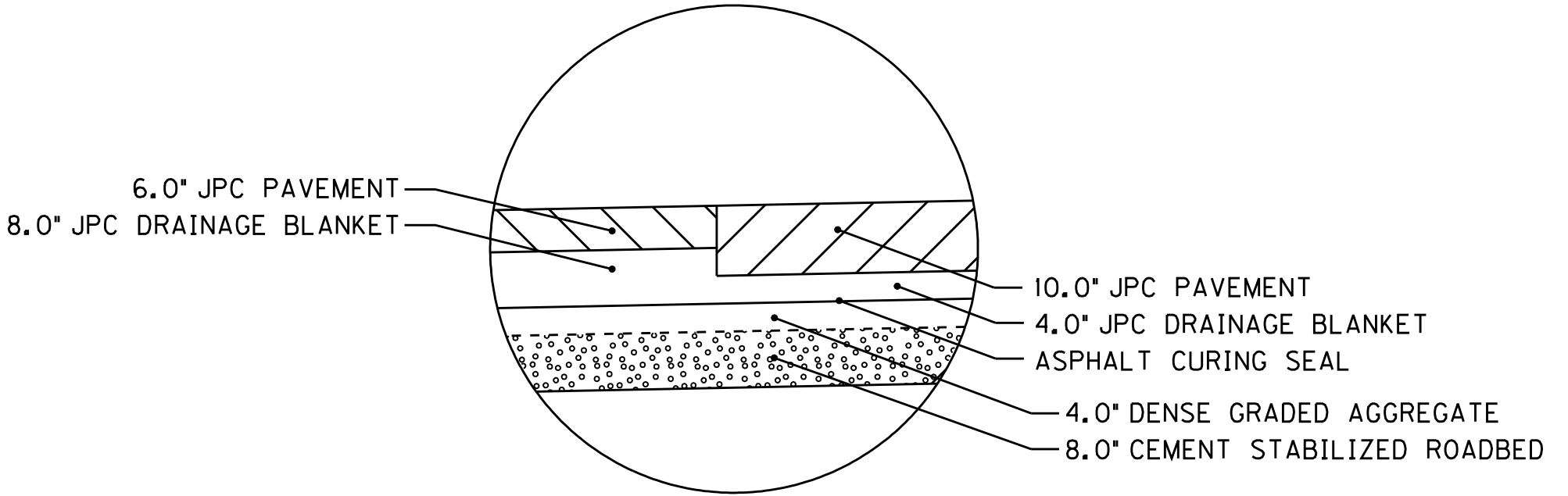
NOTE: THE CONSTRUCTED SUBGRADE BUILT WITH THE GRADE & DRAIN PLANS MAY BE UP TO 1/2" HIGH FOR THE CONCRETE PAVEMENT ALTERNATE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO RAISE THE PROPOSED GRADE 1/2" AND TRANSITION TO MATCH THE EXISTING BRIDGE @ I-65 AND PLANO ROAD APPROACH.



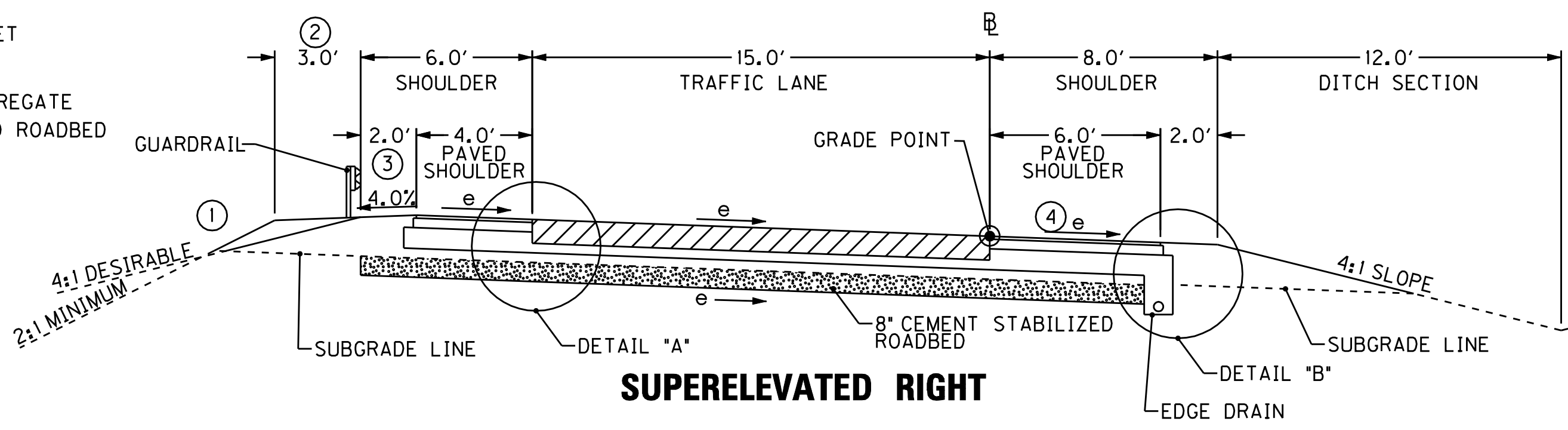
DETAIL "A"
ALTERNATE B (ASPHALT SHOULDER ALTERNATE)



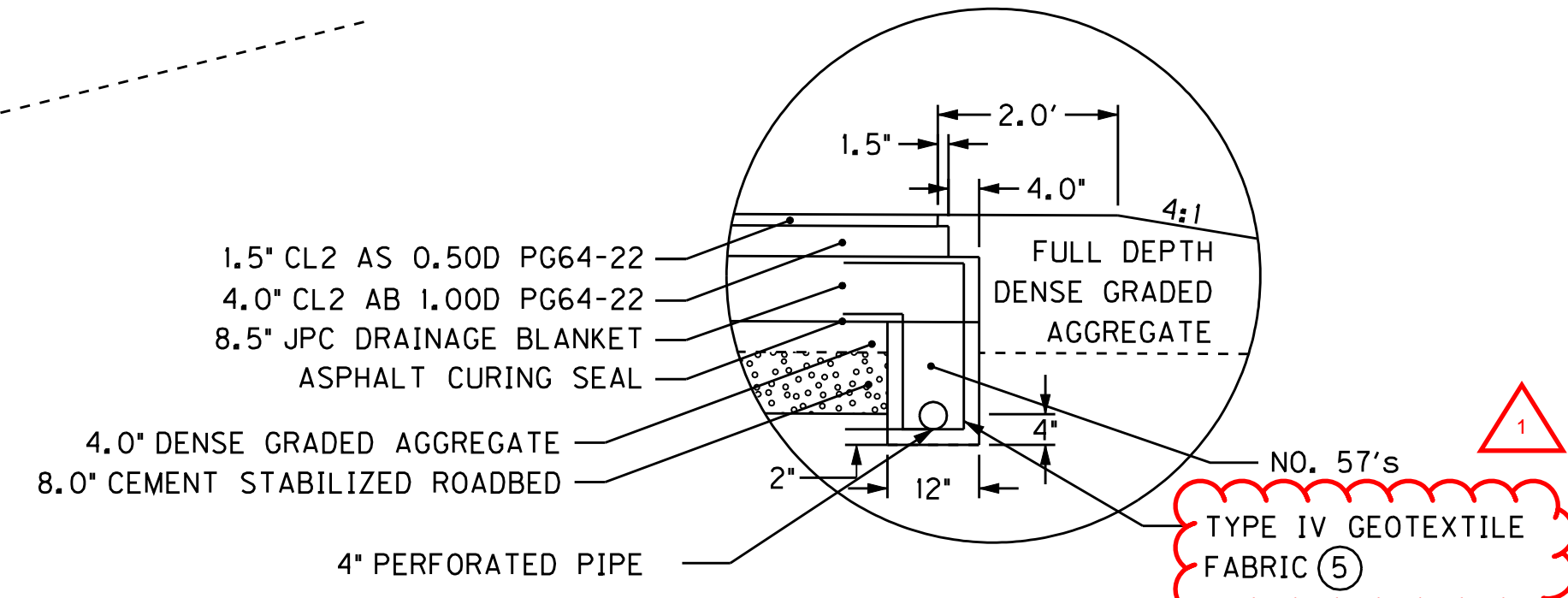
NORMAL SECTION



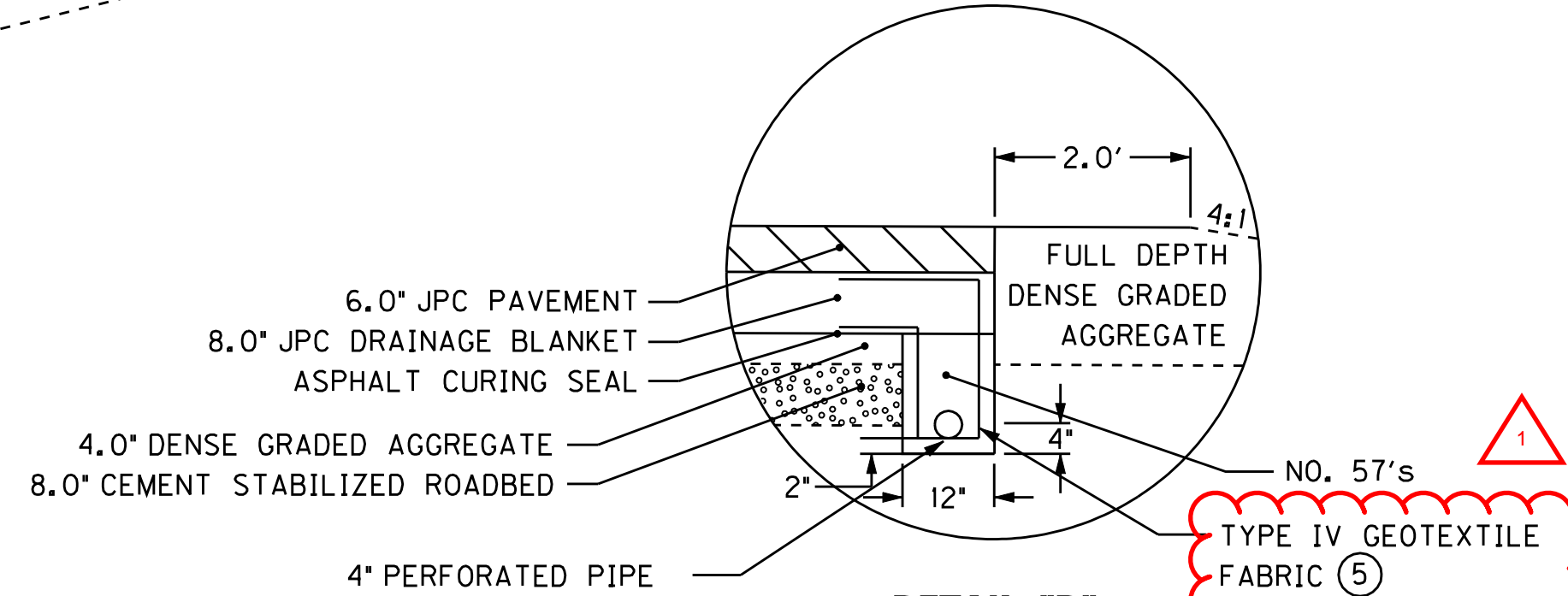
DETAIL "A"
ALTERNATE A (CONCRETE SHOULDER ALTERNATE)



SUPERELEVATED RIGHT



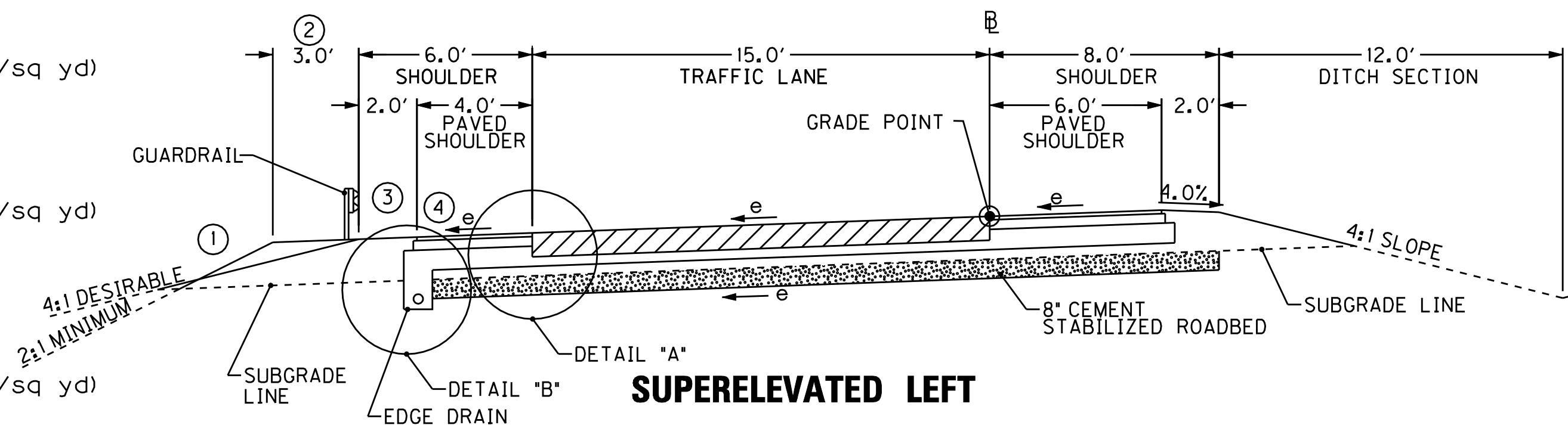
DETAIL "B"
ALTERNATE B (ASPHALT SHOULDER ALTERNATE)



DETAIL "B"
ALTERNATE A (CONCRETE SHOULDER ALTERNATE)

PAVEMENT SCHEDULE

TRAFFIC LANE	10.0" JPC PAVEMENT 4.0" JPC DRAINAGE BLANKET ASPHALT CURING SEAL (APPLY AT A RATE OF 1.6 lb/sq yd) 4.0" DENSE GRADED AGGREGATE
SHOULDER - OPTION 1 (CONCRETE ALTERNATE)	6.0" JPC PAVEMENT 8.0" JPC DRAINAGE BLANKET ASPHALT CURING SEAL (APPLY AT A RATE OF 1.6 lb/sq yd) 4.0" DENSE GRADED AGGREGATE
SHOULDER - OPTION 2 (ASPHALT ALTERNATE)	1.5" CL2 ASPHALT SURFACE 0.50D PG64-22 4.0" CL2 ASPHALT BASE 1.00D PG64-22 8.5" JPC DRAINAGE BLANKET ASPHALT CURING SEAL (APPLY AT A RATE OF 1.6 lb/sq yd) 4.0" DENSE GRADED AGGREGATE
ROADBED PREPARATION	8.0" CEMENT STABILIZED ROADBED CEMENT (APPLY AT A RATE OF 6% BY WEIGHT AT 109 lb/cu ft) ASPHALT CURING SEAL (APPLY AT A RATE OF 2.0 lb/sq yd) SAND FOR BLOTTER (APPLY AT A RATE OF 5.0 lb/sq yd)



SUPERELEVATED LEFT

* ASPHALT SEAL REQUIRED FROM OUTSIDE EDGE OF PAVED SHOULDER TO A POINT 2' DOWN THE DITCH OR FILL SLOPE. TWO APPLICATIONS OF THE FOLLOWING:
EMULSIFIED ASPHALT RS-2 @ 2.4 LBS PER SQ. YD.
ASPHALT SEAL AGGREGATE @ 20 LBS PER SQ. YD. (NO. 8 OR 9)

DESIGN SPEED = RAMPS 5 & 7 45 m.p.h.
RAMPS 6 & 8 50 m.p.h.

TYPICAL SECTIONS

PREPARED BY: _____ DATE: _____
CHECKED BY: _____ DATE: _____
APPROVED BY: _____ DATE: _____

Cell Library: roadways-aei
Cell Name: SP
DD-MMM-YYYY HH:MM

VENDORS NAME: _____
1-92
FORM NO. 2

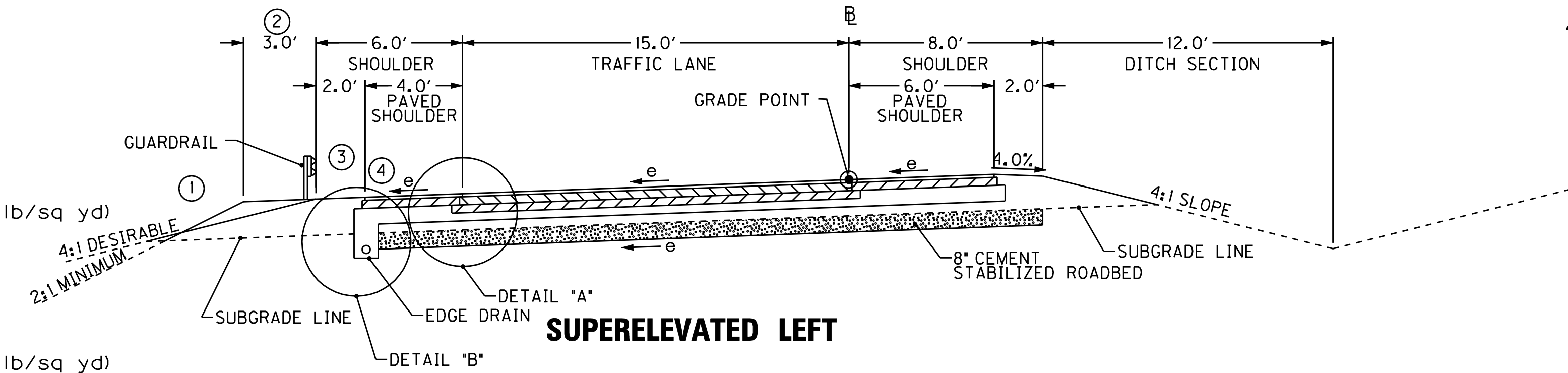
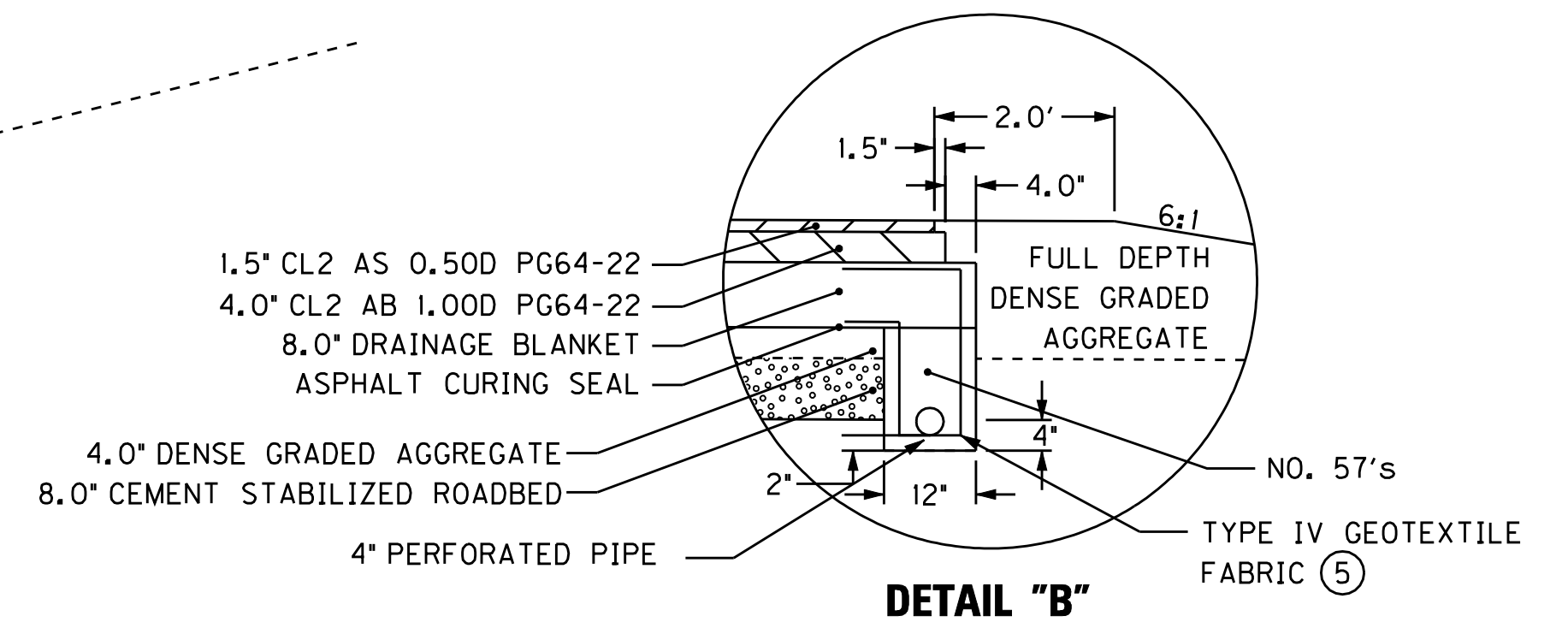
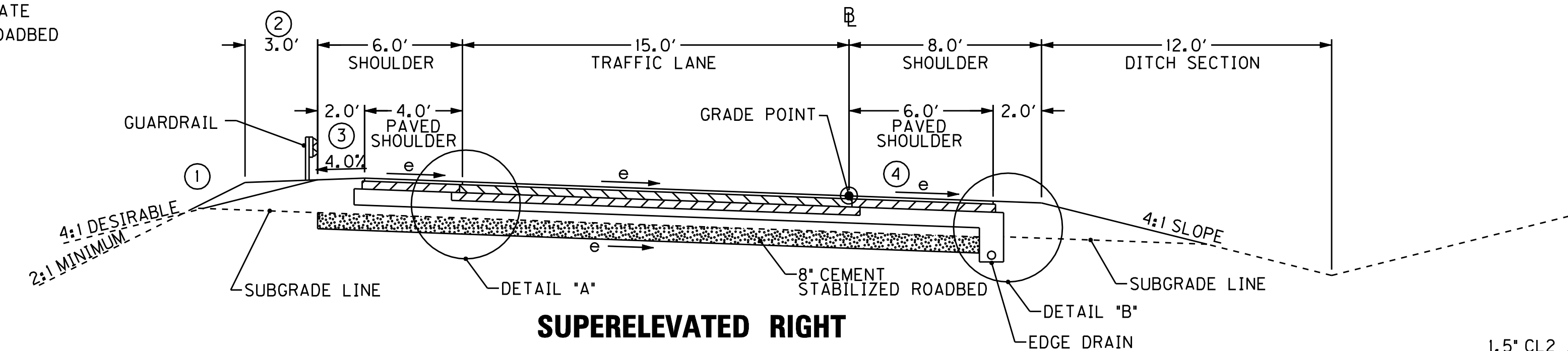
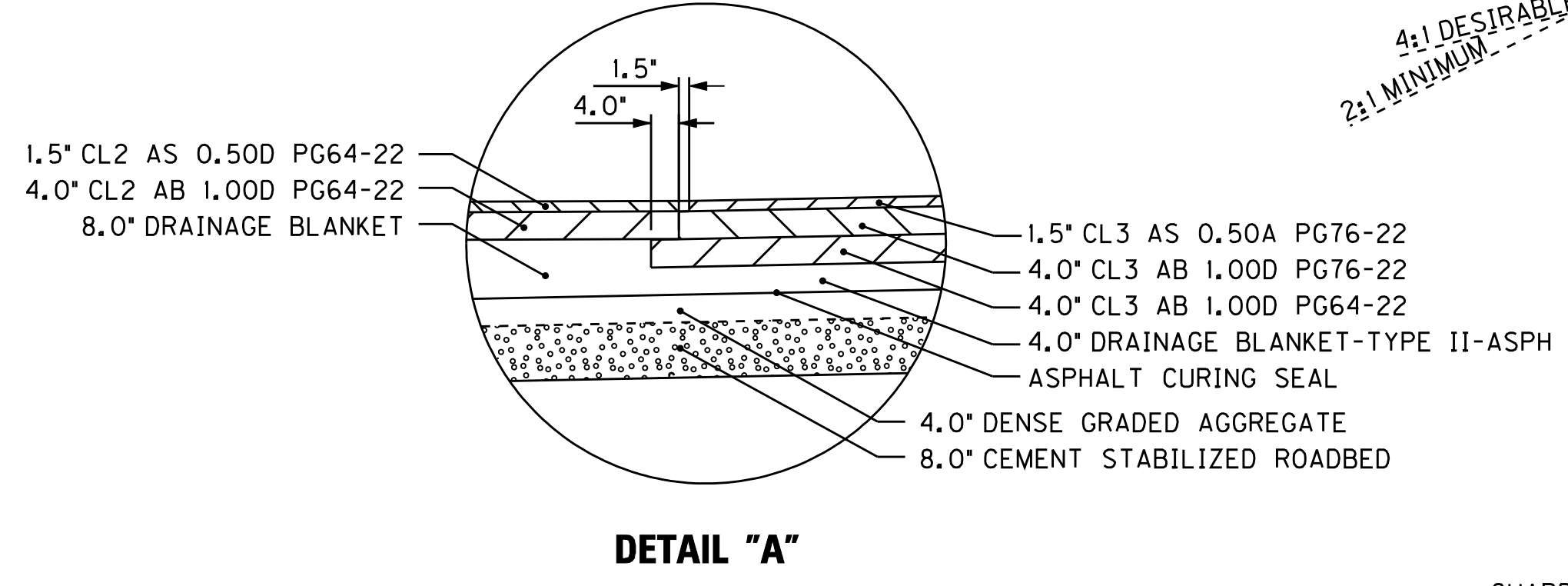
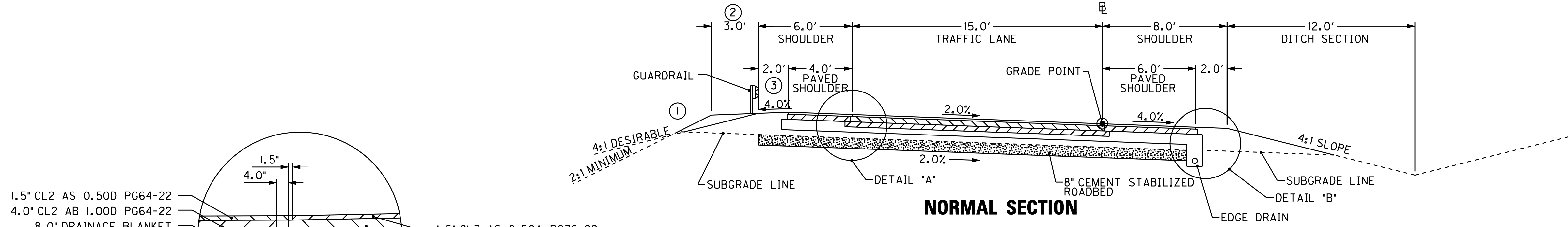


COUNTY OF	ITEM NO.	SHEET NO.
WARREN	3-53.10	R2g

TYPICAL SECTIONS

ALTERNATE C
 INTERSTATE 65 RAMP 6 & 7
 RAMP 6 STA. 50+00 TO STA. 71+33.89
 RAMP 7 STA. 70+00 TO STA. 83+15.50

- SEE X-SECTIONS FOR SLOPES OUTSIDE OF SHOULDER
- WIDEN SHOULDER 3ft+ FOR GUARDRAIL
- PAVED SHOULDER SHALL EXTEND TO FACE OF GUARDRAIL
- SUPERELEVATED SHOULDERS, CONSTRUCT TO STANDARD SUPERELEVATION EXCEPT NOT FLATTER THAN NORMAL SHOULDER SLOPES
- USE THE MIN. FABRIC WIDTH NECESSARY TO ALLOW FOR A 1' OVERLAP



PAVEMENT SCHEDULE

TRAFFIC LANE	1.5" CL3 ASPHALT SURFACE 0.50A PG76-22 4.0" CL3 ASPHALT BASE 1.00D PG76-22 4.0" CL3 ASPHALT BASE 1.00D PG64-22 4.0" DRAINAGE BLANKET-TYPE II-ASPHALT ASPHALT CURING SEAL (APPLY AT A RATE OF 1.6 lb/sq yd) 4.0" DENSE GRADED AGGREGATE
SHOULDER	1.5" CL2 ASPHALT SURFACE 0.50D PG64-22 4.0" CL2 ASPHALT BASE 1.00D PG64-22 8.0" DRAINAGE BLANKET-TYPE II-ASPHALT ASPHALT CURING SEAL (APPLY AT A RATE OF 1.6 lb/sq yd) 4.0" DENSE GRADED AGGREGATE
ROADBED PREPARATION	8.0" CEMENT STABILIZED ROADBED CEMENT (APPLY AT A RATE OF 6% BY WEIGHT AT 109 lb/cu ft) ASPHALT CURING SEAL (APPLY AT A RATE OF 2.0 lb/sq yd) SAND FOR BLOTTER (APPLY AT A RATE OF 5.0 lb/sq yd)

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 EMULSIFIED ASPHALT RS-2 @ 2.4 LBS PER SQ. YD.
 ASPHALT SEAL AGGREGATE @ 20 LBS PER SQ. YD. (NO. 8 OR 9)

PREPARED BY _____ DATE _____
 CHECKED BY _____ DATE _____
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Cell Library: roadway-ceil
 Cell Name: sp
 DD-MMM-YYYY HH:MM

VENDORS NAME
 1-92
 FORM NO. 2

DESIGN SPEED = RAMP 7 45 m.p.h.
 RAMP 6 50 m.p.h.

TYPICAL SECTIONS

TYPICAL SECTIONS

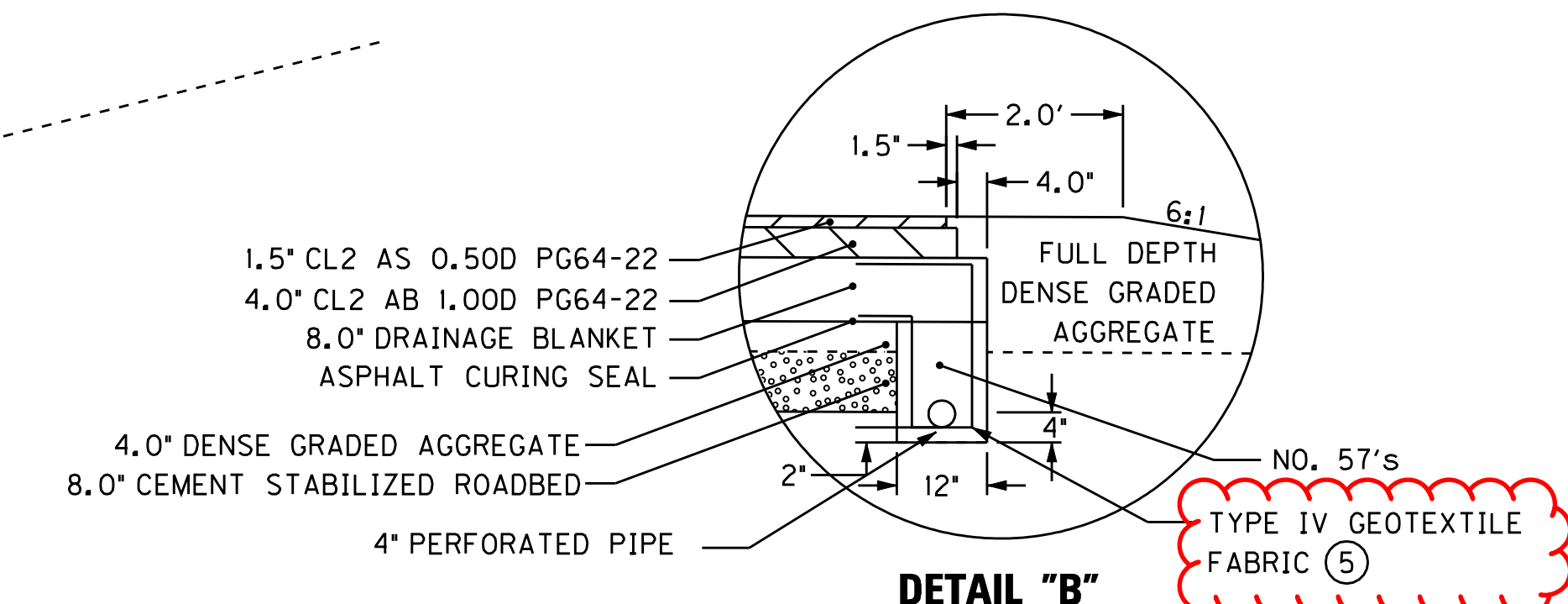
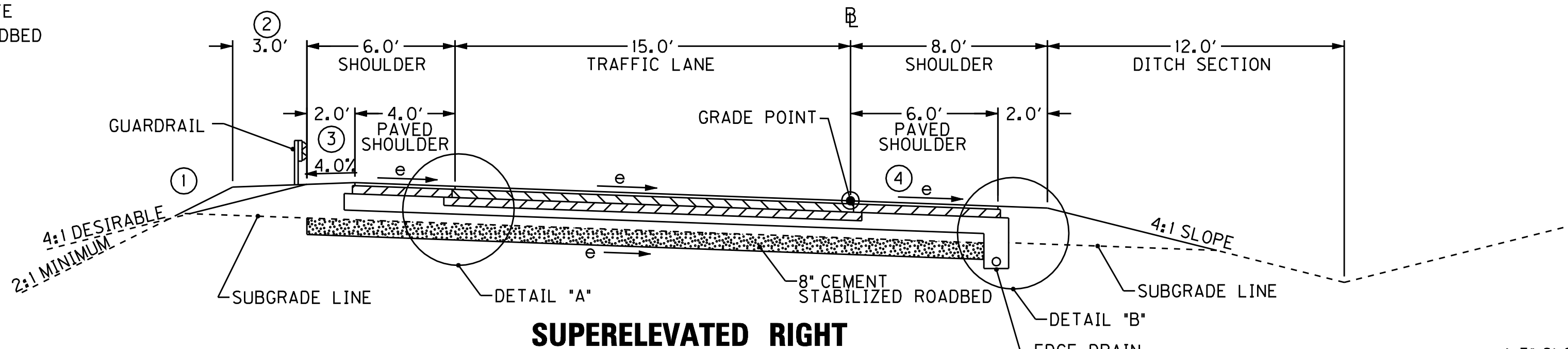
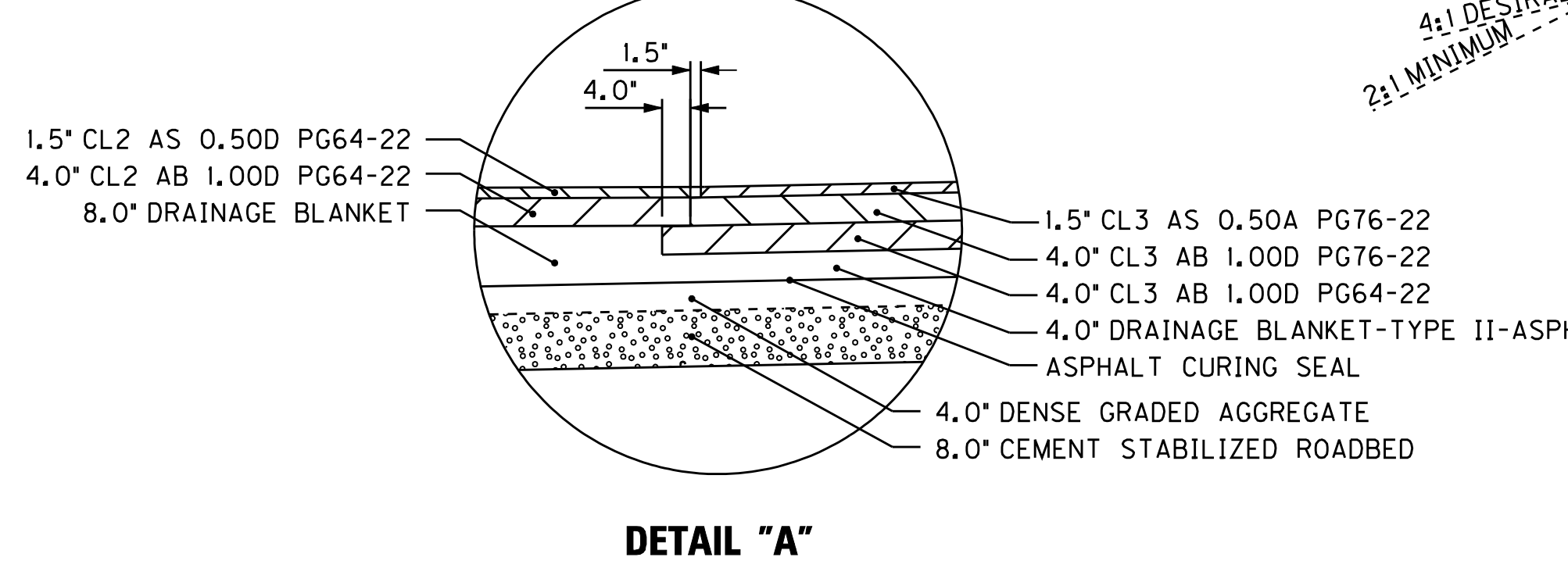
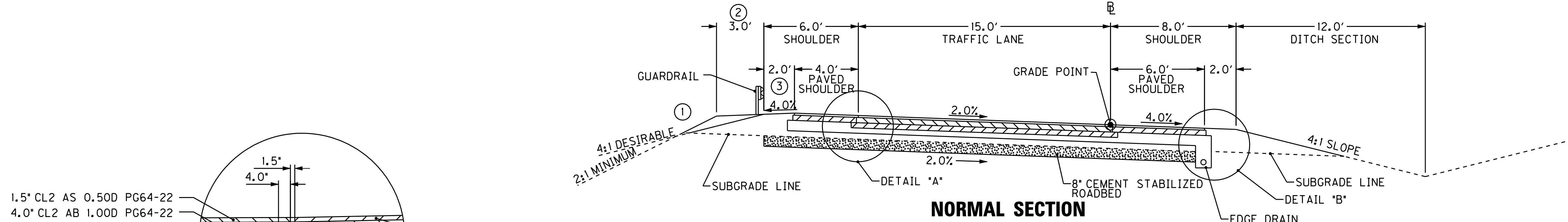
ALTERNATE C
INTERSTATE 65 RAMP 6 & 7
RAMP 6 STA. 50+00 TO STA. 71+33.89
RAMP 7 STA. 70+00 TO STA. 83+15.50

REVISD 03-09-2011

COUNTY OF	ITEM NO.	SHEET NO.
WARREN	3-53.10	R2g

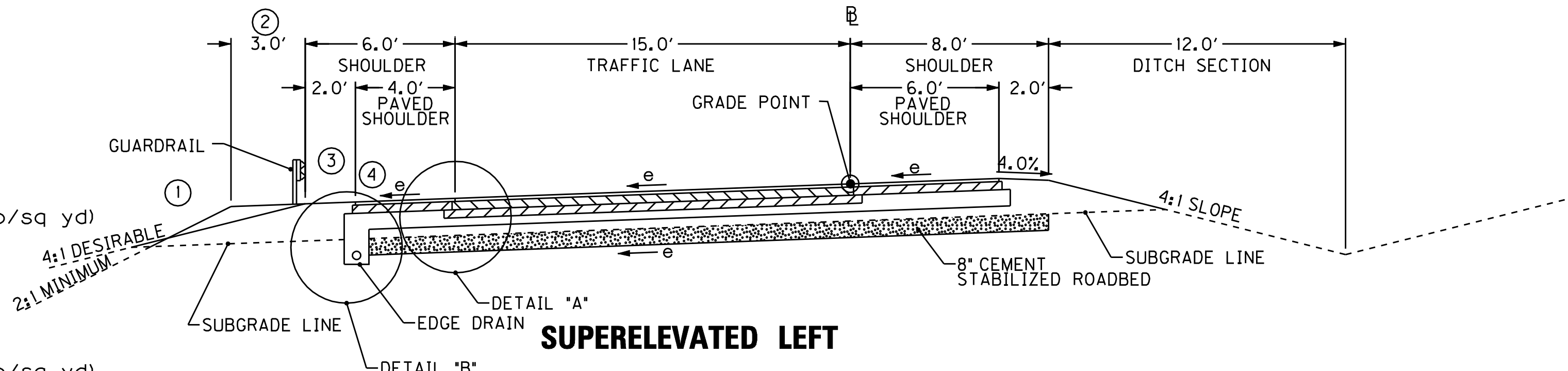
- ① SEE X-SECTIONS FOR SLOPES OUTSIDE OF SHOULDER
- ② WIDEN SHOULDER 3ft+ FOR GUARDRAIL
- ③ PAVED SHOULDER SHALL EXTEND TO FACE OF GUARDRAIL
- ④ SUPERELEVATED SHOULDERS, CONSTRUCT TO STANDARD SUPERELEVATION EXCEPT NOT FLATTER THAN NORMAL SHOULDER SLOPES

⑤ USE THE MIN. FABRIC WIDTH NECESSARY TO ALLOW FOR A 1' OVERLAP



PAVEMENT SCHEDULE

TRAFFIC LANE	1.5" CL3 ASPHALT SURFACE 0.50A PG76-22 4.0" CL3 ASPHALT BASE 1.00D PG76-22 4.0" CL3 ASPHALT BASE 1.00D PG64-22 4.0" DRAINAGE BLANKET-TYPE II-ASPHALT ASPHALT CURING SEAL (APPLY AT A RATE OF 1.6 lb/sq yd) 4.0" DENSE GRADED AGGREGATE
SHOULDER	1.5" CL2 ASPHALT SURFACE 0.50D PG64-22 4.0" CL2 ASPHALT BASE 1.00D PG64-22 8.0" DRAINAGE BLANKET-TYPE II-ASPHALT ASPHALT CURING SEAL (APPLY AT A RATE OF 1.6 lb/sq yd) 4.0" DENSE GRADED AGGREGATE
ROADBED PREPARATION	8.0" CEMENT STABILIZED ROADBED CEMENT (APPLY AT A RATE OF 6% BY WEIGHT AT 109 lb/cu ft) ASPHALT CURING SEAL (APPLY AT A RATE OF 2.0 lb/sq yd) SAND FOR BLOTTER (APPLY AT A RATE OF 5.0 lb/sq yd)



* ASPHALT SEAL REQUIRED FROM OUTSIDE EDGE OF PAVED SHOULDER TO A POINT 2' DOWN THE DITCH OR FILL SLOPE. TWO APPLICATIONS OF THE FOLLOWING:
EMULSIFIED ASPHALT RS-2 @ 2.4 LBS PER SQ. YD.
ASPHALT SEAL AGGREGATE @ 20 LBS PER SQ. YD. (NO. 8 OR 9)

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
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Cell Library: roadway-ceil
Cell Name: sp
DD-MMM-YYYY HH:MM

VENDORS NAME
1-92
FORM NO. 2

DESIGN SPEED = RAMP 7 45 m.p.h.
RAMP 6 50 m.p.h.

TYPICAL SECTIONS

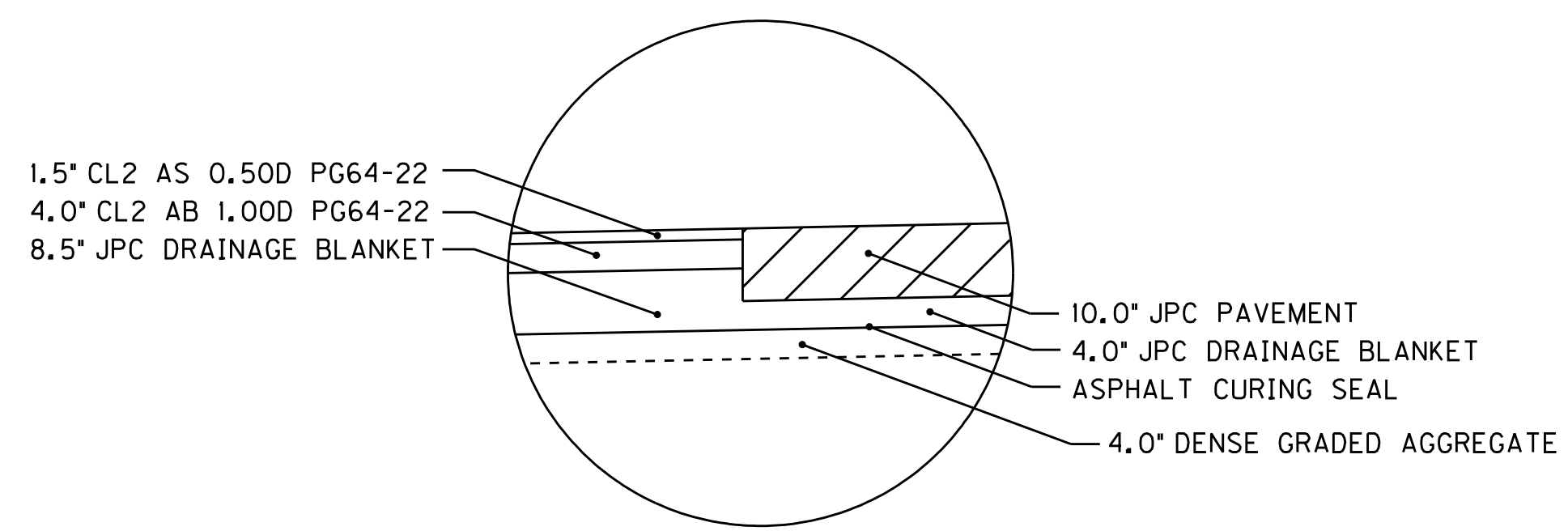
TYPICAL SECTIONS

ALTERNATES A & B PLANO RAMPS 1-4

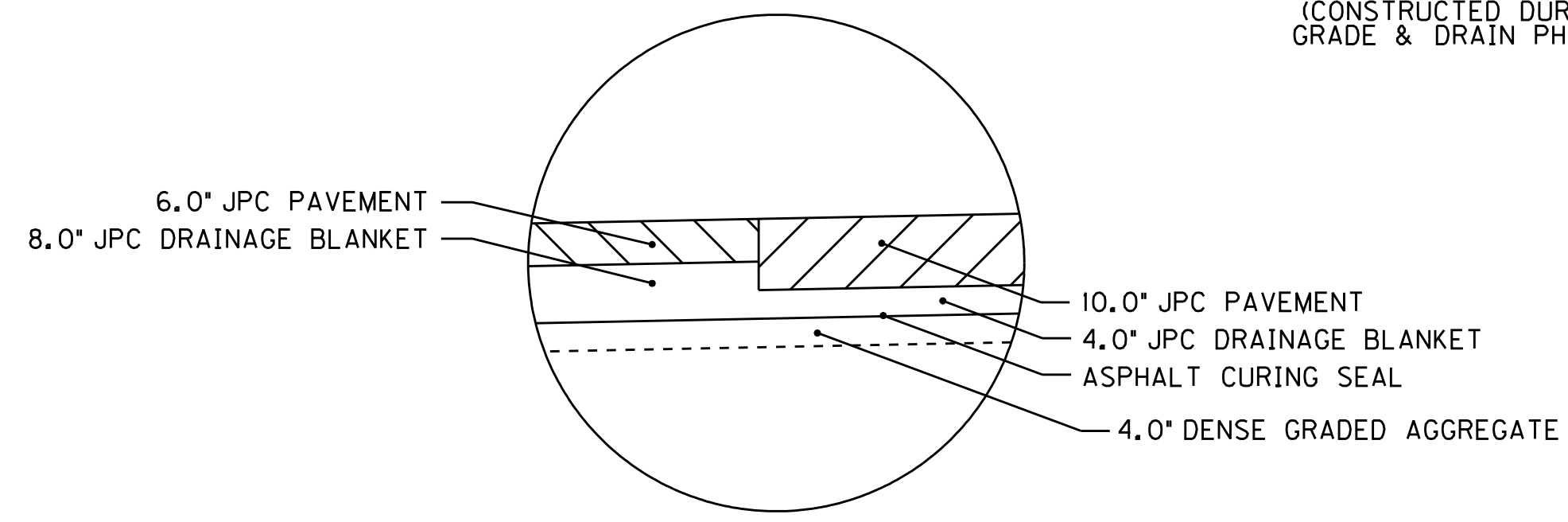
- RAMP 1 STA. 105 + 67.62 TO STA. 125 + 28.10
- RAMP 2 STA. 200 + 00.00 TO STA. 213 + 90.21
- RAMP 3 STA. 304 + 66.86 TO STA. 328 + 37.68
- RAMP 4 STA. 400 + 00.00 TO STA. 417 + 02.92

- SEE X-SECTIONS FOR SLOPES OUTSIDE OF SHOULDER
- WIDEN SHOULDER 1ft FOR GUARDRAIL
- SUPERELEVATED SHOULDERS, CONSTRUCT TO STANDARD SUPERELEVATION EXCEPT NOT FLATTER THAN NORMAL SHOULDER SLOPES
- USE THE MIN. FABRIC WIDTH NECESSARY TO ALLOW FOR A 1' OVERLAP

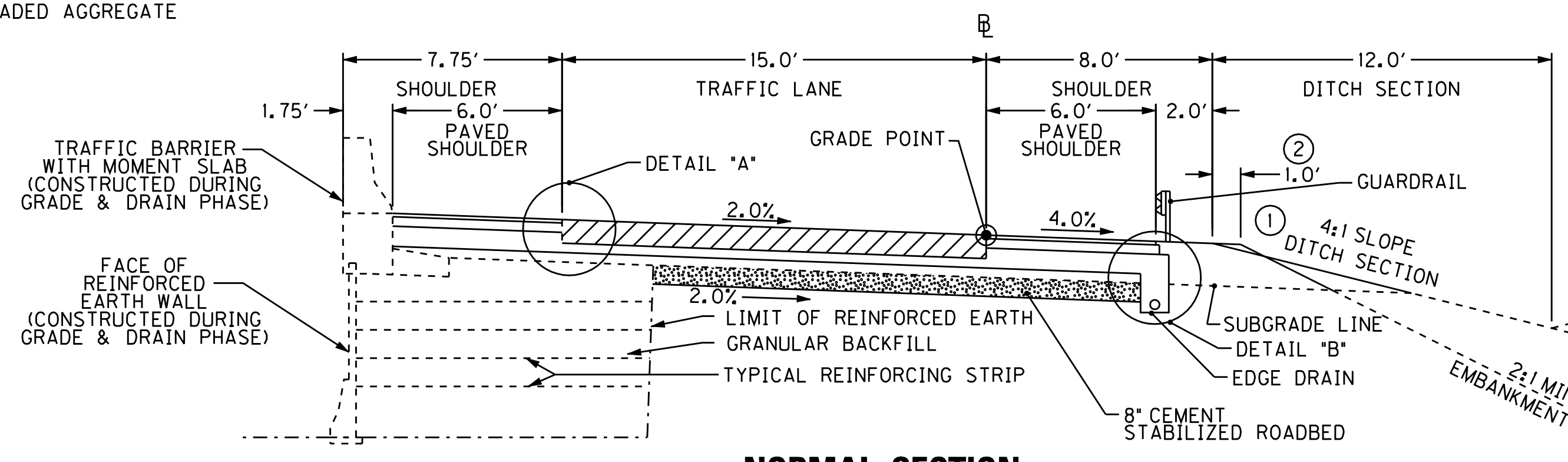
NOTE: THE CONSTRUCTED SUBGRADE BUILT WITH THE GRADE & DRAIN PLANS MAY BE UP TO 1/2" HIGH FOR THE CONCRETE PAVEMENT ALTERNATE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO RAISE THE PROPOSED GRADE 1/2" AND TRANSITION TO MATCH THE EXISTING BRIDGE @ I-65 AND PLANO ROAD APPROACH.



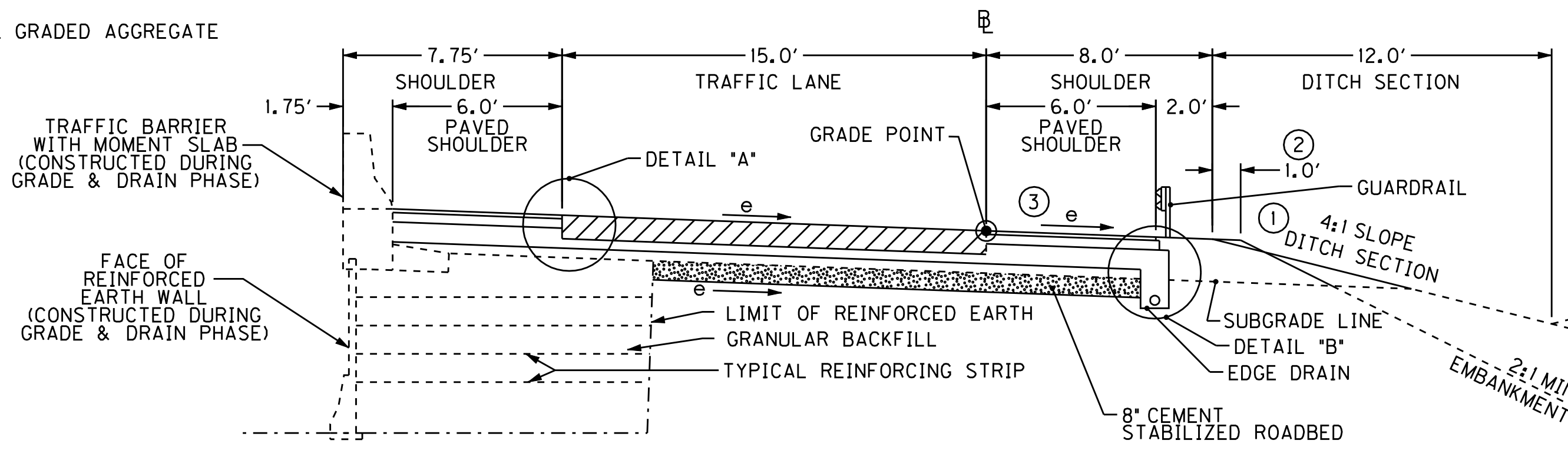
DETAIL "A"
ALTERNATE B (ASPHALT SHOULDER ALTERNATE)



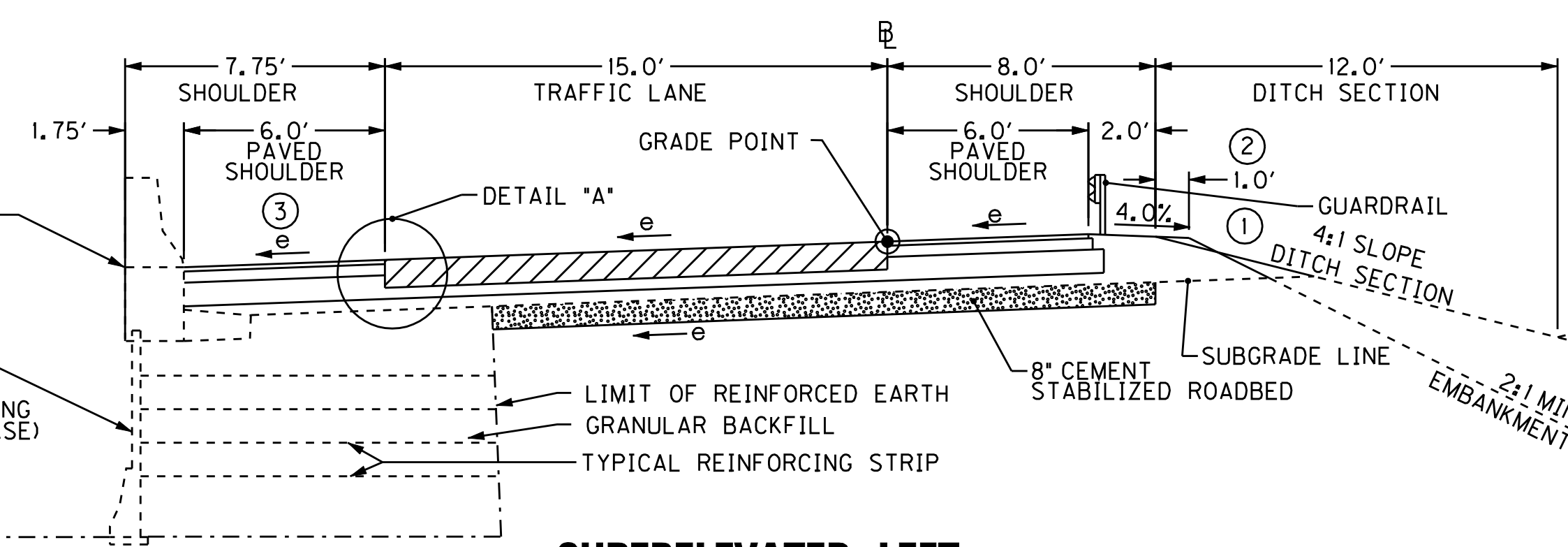
DETAIL "A"
ALTERNATE A (CONCRETE SHOULDER ALTERNATE)



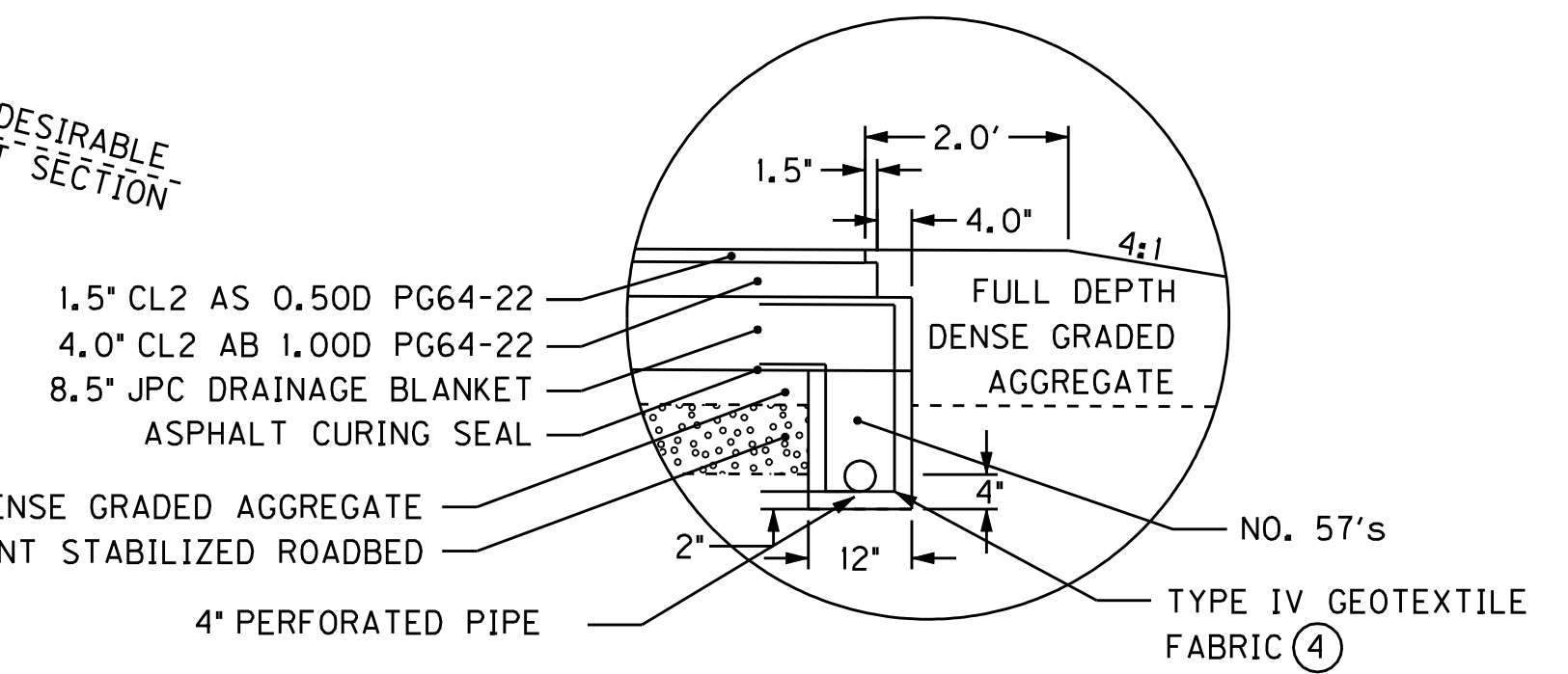
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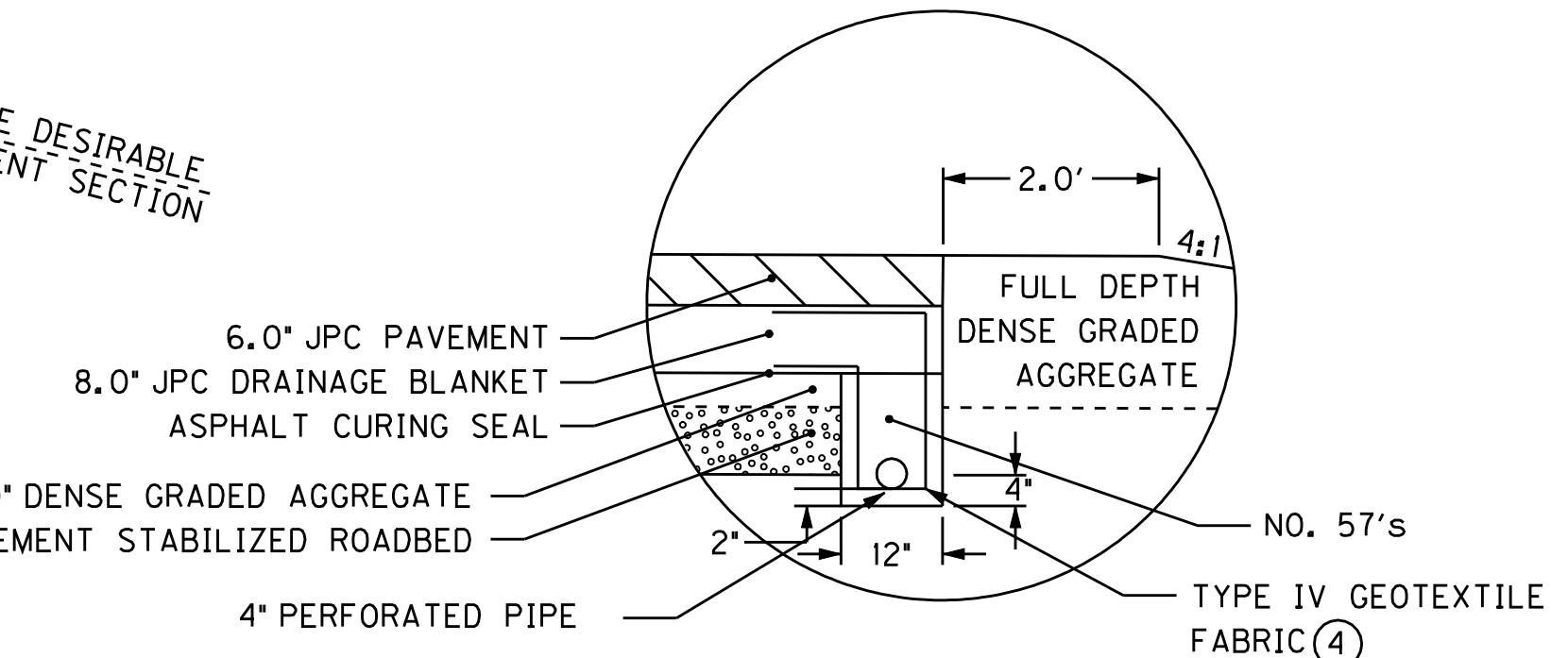
SUPERELEVATED RIGHT



SUPERELEVATED LEFT



DETAIL "B"
ALTERNATE B (ASPHALT SHOULDER ALTERNATE)



DETAIL "B"
ALTERNATE A (CONCRETE SHOULDER ALTERNATE)

PAVEMENT SCHEDULE

TRAFFIC LANE	10.0" JPC PAVEMENT 4.0" JPC DRAINAGE BLANKET ASPHALT CURING SEAL (APPLY AT A RATE OF 1.6 lb/sq yd) 4.0" DENSE GRADED AGGREGATE
SHOULDER - OPTION 1 (CONCRETE ALTERNATE)	6.0" JPC PAVEMENT 8.0" JPC DRAINAGE BLANKET ASPHALT CURING SEAL (APPLY AT A RATE OF 1.6 lb/sq yd) 4.0" DENSE GRADED AGGREGATE
SHOULDER - OPTION 2 (ASPHALT ALTERNATE)	1.5" CL2 ASPHALT SURFACE 0.50D PG64-22 4.0" CL2 ASPHALT BASE 1.00D PG64-22 8.5" JPC DRAINAGE BLANKET ASPHALT CURING SEAL (APPLY AT A RATE OF 1.6 lb/sq yd) 4.0" DENSE GRADED AGGREGATE
ROADBED PREPARATION	8.0" CEMENT STABILIZED ROADBED CEMENT (APPLY AT A RATE OF 6% BY WEIGHT AT 109 lb/cu ft) ASPHALT CURING SEAL (APPLY AT A RATE OF 2.0 lb/sq yd) SAND FOR BLOTTER (APPLY AT A RATE OF 5.0 lb/sq yd)

• ASPHALT SEAL REQUIRED FROM OUTSIDE EDGE OF PAVED SHOULDER TO A POINT 2' DOWN THE DITCH OR FILL SLOPE. TWO APPLICATIONS OF THE FOLLOWING:

EMULSIFIED ASPHALT RS-2 @ 2.4 LBS PER SQ. YD.
ASPHALT SEAL AGGREGATE @ 20 LBS PER SQ. YD. (NO. 8 OR 9)

ASPHALT SEAL REQUIRED FOR DITCHES BETWEEN MSE WALL AND NATCHER PARKWAY TO BOTTOM OF DITCH.

DESIGN SPEED = 50 m.p.h.

TYPICAL SECTIONS

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: roadways cel
Cell Name: SP
DD-MMM-YYYY HH:MM

VENDORS NAME
1-92
FORM NO. 2

REVISED 03-09-2011

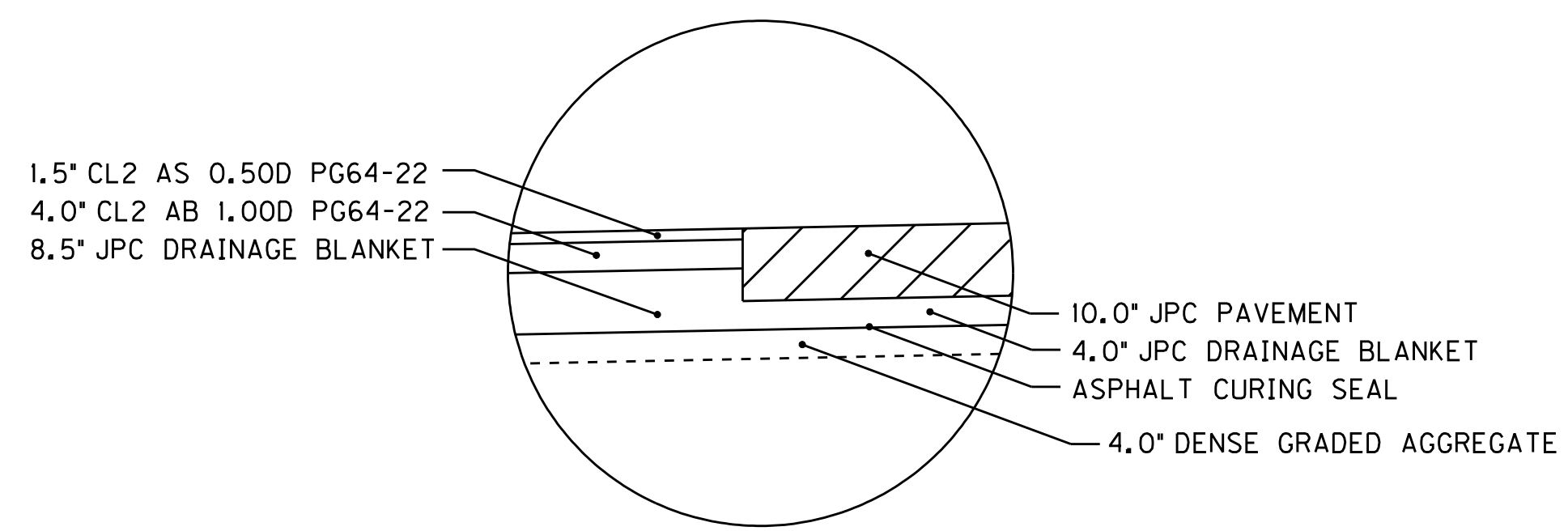
TYPICAL SECTIONS

ALTERNATES A & B PLANO RAMPS 1-4

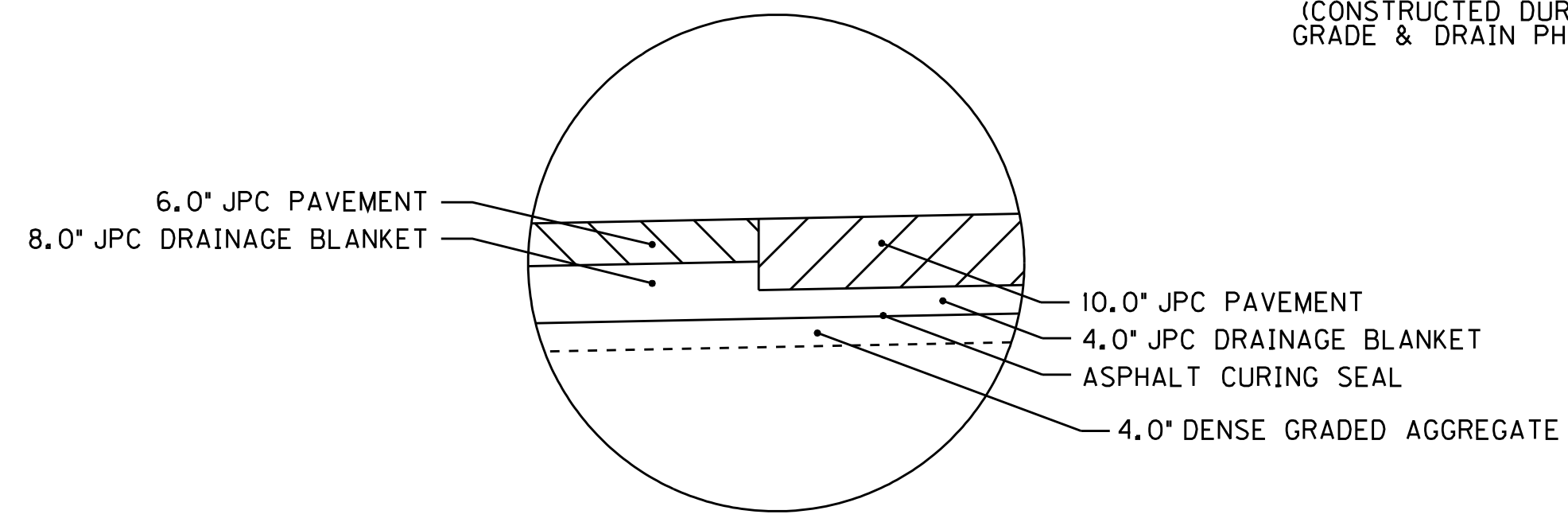
- RAMP 1 STA. 105 + 67.62 TO STA. 125 + 28.10**
- RAMP 2 STA. 200 + 00.00 TO STA. 213 + 90.21**
- RAMP 3 STA. 304 + 66.86 TO STA. 328 + 37.68**
- RAMP 4 STA. 400 + 00.00 TO STA. 417 + 02.92**

- SEE X-SECTIONS FOR SLOPES OUTSIDE OF SHOULDER
- WIDEN SHOULDER 1ft FOR GUARDRAIL
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- USE THE MIN. FABRIC WIDTH NECESSARY TO ALLOW FOR A 1' OVERLAP

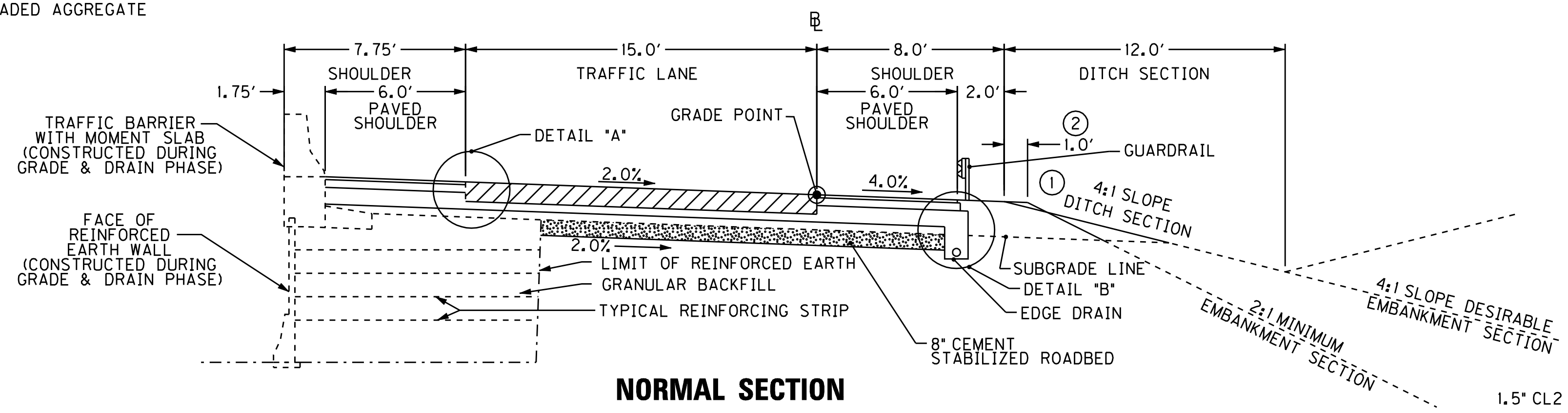
NOTE: THE CONSTRUCTED SUBGRADE BUILT WITH THE GRADE & DRAIN PLANS MAY BE UP TO 1/2" HIGH FOR THE CONCRETE PAVEMENT ALTERNATE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO RAISE THE PROPOSED GRADE 1/2" AND TRANSITION TO MATCH THE EXISTING BRIDGE @ I-65 AND PLANO ROAD APPROACH.



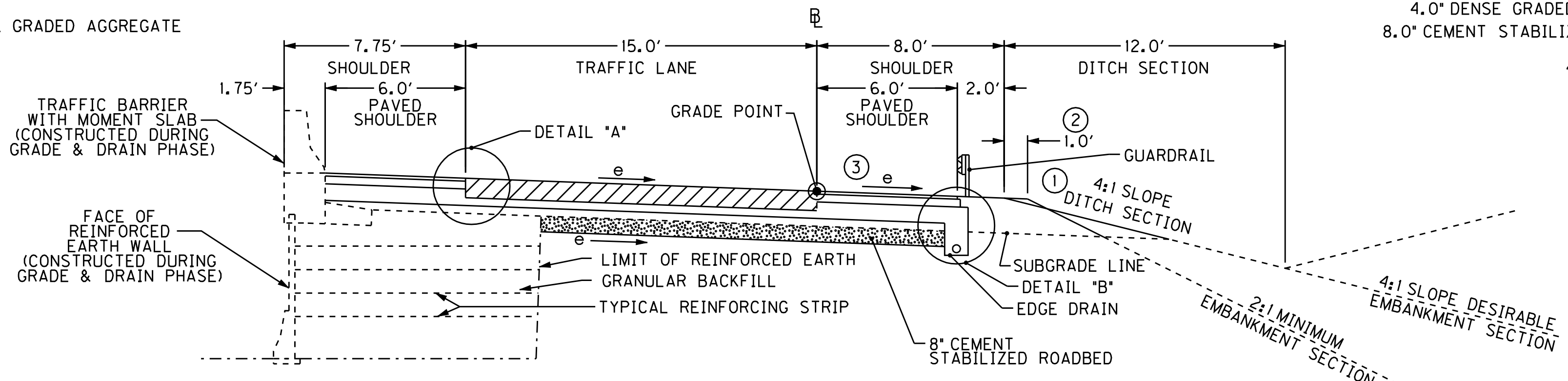
DETAIL "A"
ALTERNATE B (ASPHALT SHOULDER ALTERNATE)



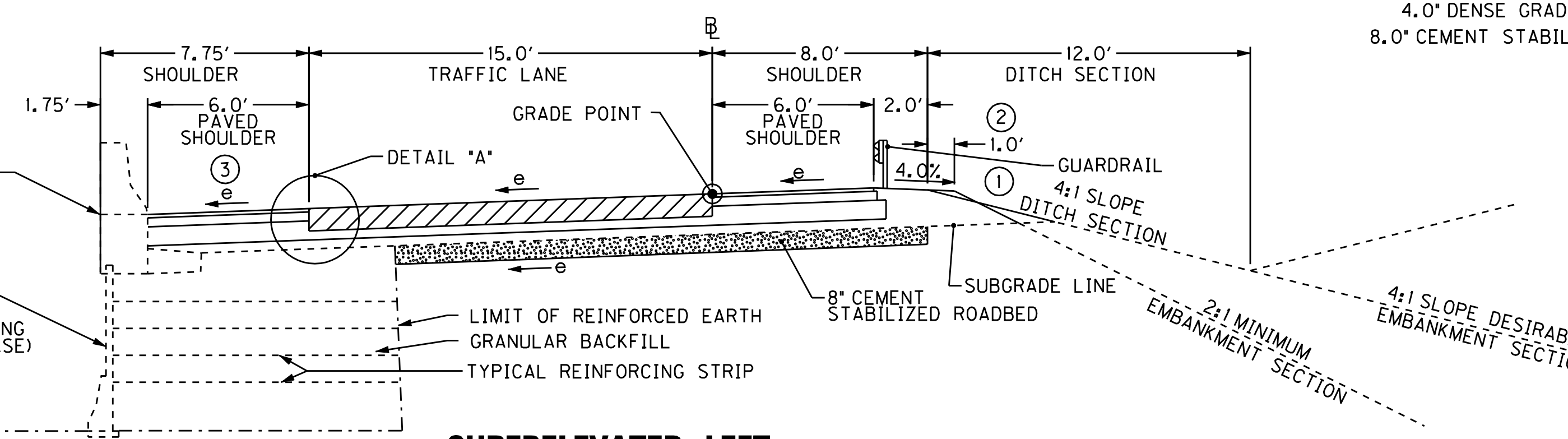
DETAIL "A"
ALTERNATE A (CONCRETE SHOULDER ALTERNATE)



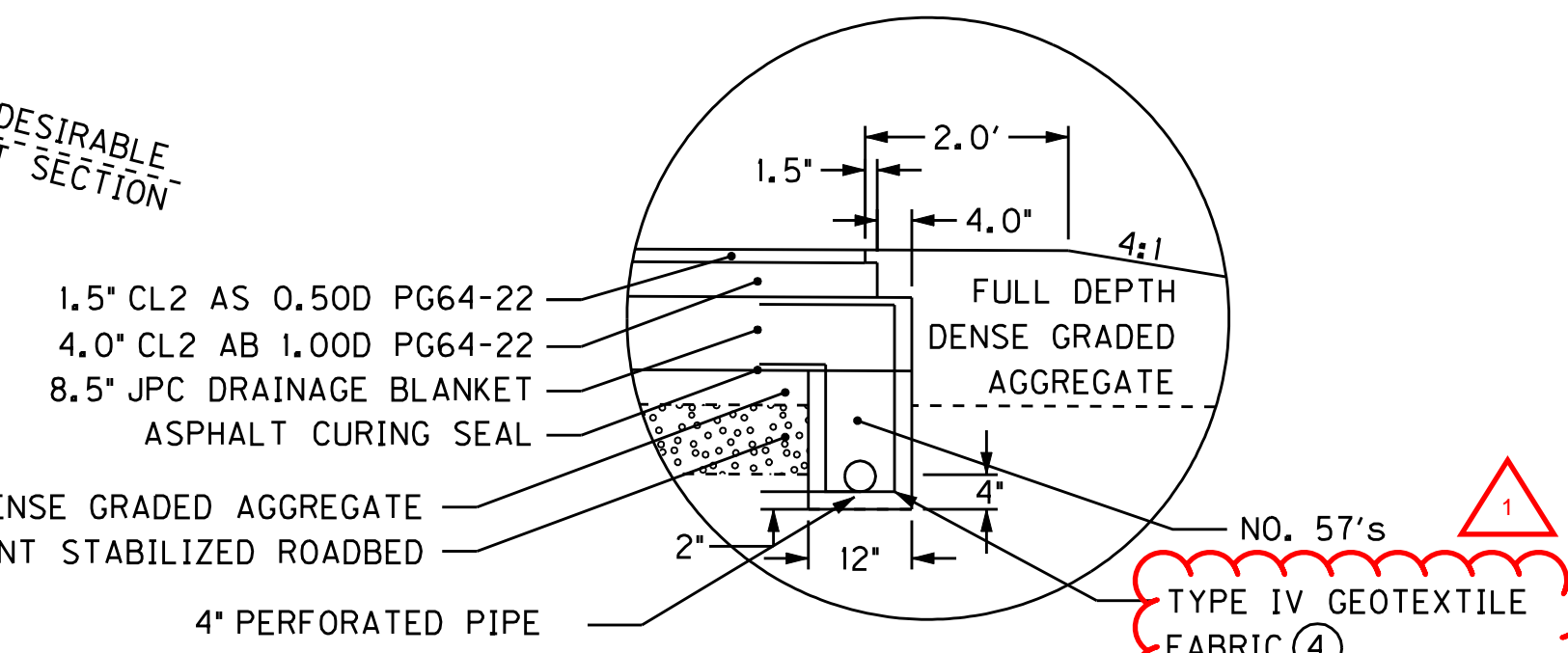
NORMAL SECTION



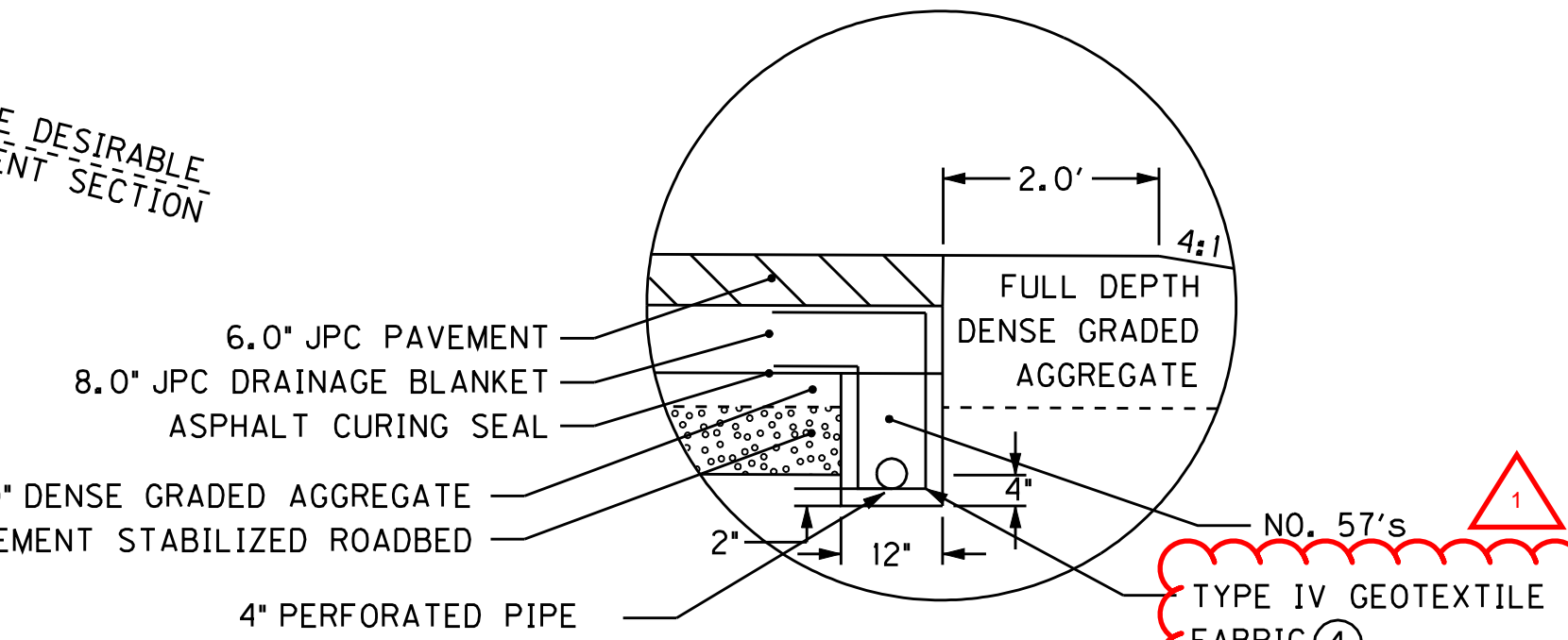
SUPERELEVATED RIGHT



SUPERELEVATED LEFT



DETAIL "B"
ALTERNATE B (ASPHALT SHOULDER ALTERNATE)



DETAIL "B"
ALTERNATE A (CONCRETE SHOULDER ALTERNATE)

PAVEMENT SCHEDULE

TRAFFIC LANE	10.0" JPC PAVEMENT 4.0" JPC DRAINAGE BLANKET ASPHALT CURING SEAL (APPLY AT A RATE OF 1.6 lb/sq yd) 4.0" DENSE GRADED AGGREGATE
SHOULDER - OPTION 1 (CONCRETE ALTERNATE)	6.0" JPC PAVEMENT 8.0" JPC DRAINAGE BLANKET ASPHALT CURING SEAL (APPLY AT A RATE OF 1.6 lb/sq yd) 4.0" DENSE GRADED AGGREGATE
SHOULDER - OPTION 2 (ASPHALT ALTERNATE)	1.5" CL2 ASPHALT SURFACE 0.50D PG64-22 4.0" CL2 ASPHALT BASE 1.00D PG64-22 8.5" JPC DRAINAGE BLANKET ASPHALT CURING SEAL (APPLY AT A RATE OF 1.6 lb/sq yd) 4.0" DENSE GRADED AGGREGATE
ROADBED PREPARATION	8.0" CEMENT STABILIZED ROADBED CEMENT (APPLY AT A RATE OF 6% BY WEIGHT AT 109 lb/cu ft) ASPHALT CURING SEAL (APPLY AT A RATE OF 2.0 lb/sq yd) SAND FOR BLOTTER (APPLY AT A RATE OF 5.0 lb/sq yd)

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EMULSIFIED ASPHALT RS-2 @ 2.4 LBS PER SQ. YD.
ASPHALT SEAL AGGREGATE @ 20 LBS PER SQ. YD. (NO. 8 OR 9)
ASPHALT SEAL REQUIRED FOR DITCHES BETWEEN MSE WALL AND NATCHER PARKWAY TO BOTTOM OF DITCH.

DESIGN SPEED = 50 m.p.h.

TYPICAL SECTIONS

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

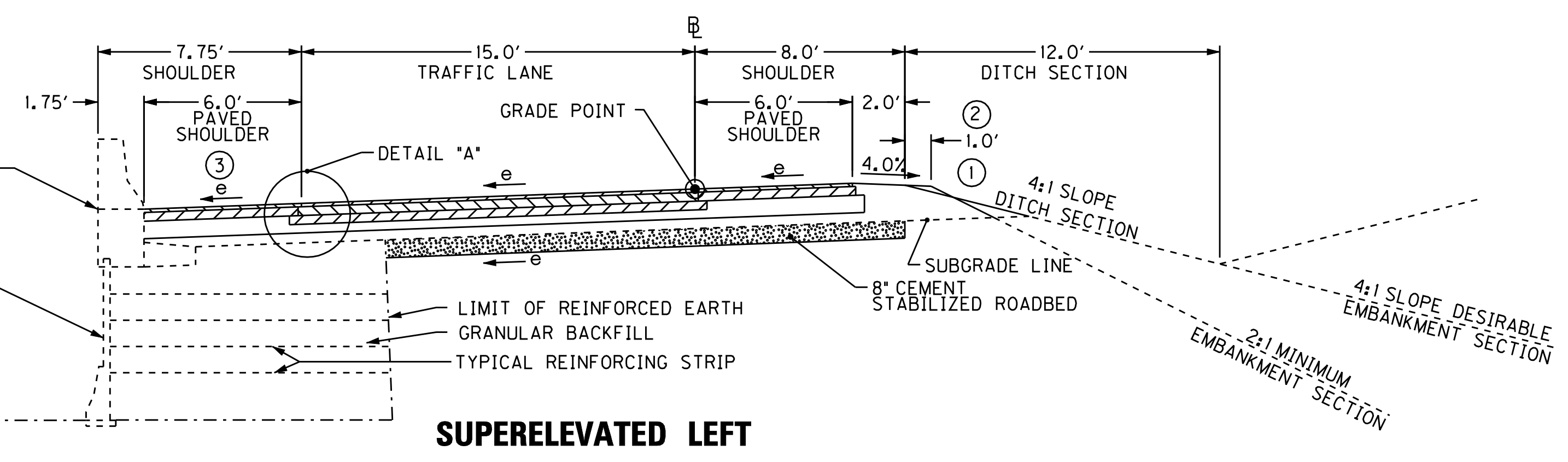
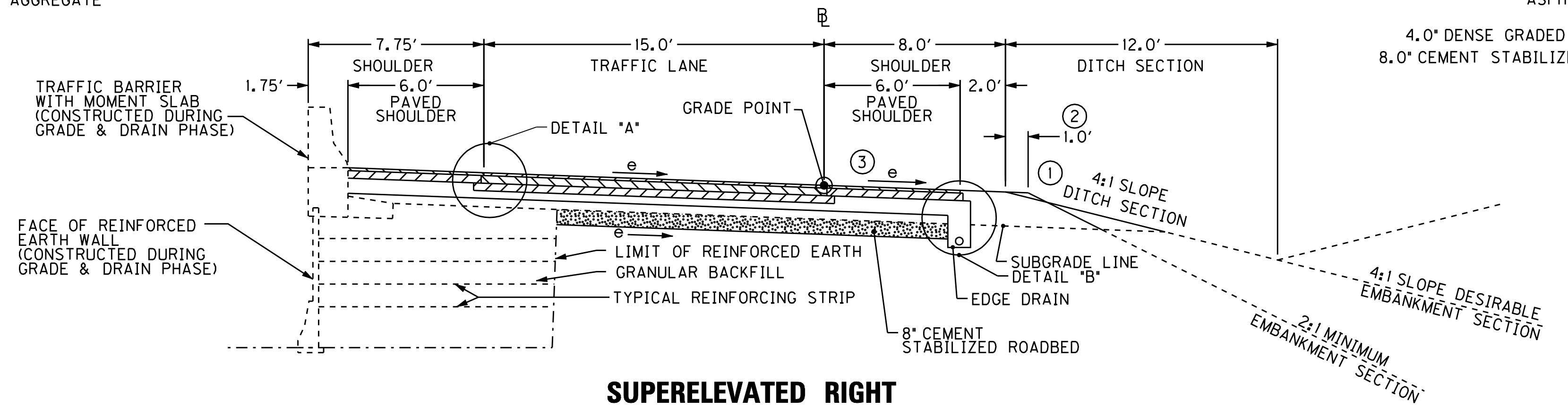
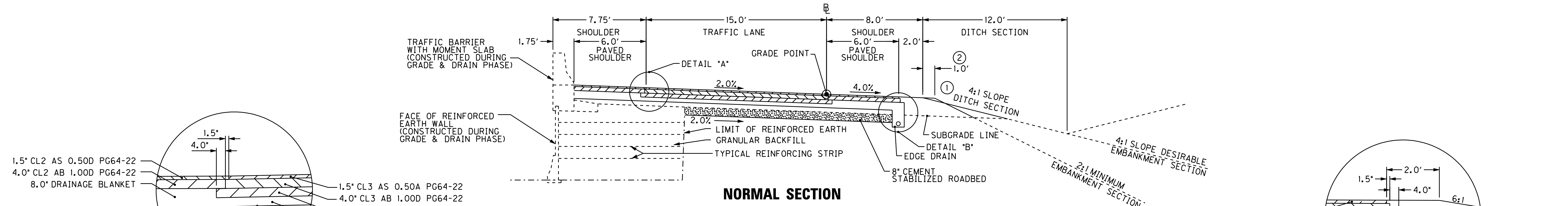
Cell Library: roadways cel
Cell Name: SP
DD-MM-YYYY HH:MM

VENDORS NAME
1-92
FORM NO. 2

TYPICAL SECTIONS

ALTERNATE C
PLANO RAMP 1-4
RAMP 1 STA. 105+67.62 TO STA. 125+28.10
RAMP 2 STA. 200+00.00 TO STA. 213+90.21
RAMP 3 STA. 304+66.86 TO STA. 328+37.68
RAMP 4 STA. 400+00.00 TO STA. 417+02.92

- ① SEE X-SECTIONS FOR SLOPES OUTSIDE OF SHOULDER
- ② WIDEN SHOULDER If+ FOR GUARDRAIL
- ③ SUPERELEVATED SHOULDERS, CONSTRUCT TO STANDARD SUPERELEVATION EXCEPT NOT FLATTER THAN NORMAL SHOULDER SLOPES
- ④ USE THE MIN. FABRIC WIDTH NECESSARY TO ALLOW FOR A 1' OVERLAP



PAVEMENT SCHEDULE

TRAFFIC LANE	1.5" CL3 ASPHALT SURFACE 0.50A PG64-22 4.0" CL3 ASPHALT BASE 1.00D PG64-22 4.0" CL3 ASPHALT BASE 1.00D PG64-22 4.0" DRAINAGE BLANKET-TYPE II-ASPHALT ASPHALT CURING SEAL (APPLY AT A RATE OF 1.6 lb/sq yd) 4.0" DENSE GRADED AGGREGATE	TRAFFIC BARRIER WITH MOMENT SLAB (CONSTRUCTED DURING GRADE & DRAIN PHASE)
SHOULDER	1.5" CL2 ASPHALT SURFACE 0.50D PG64-22 4.0" CL2 ASPHALT BASE 1.00D PG64-22 8.0" DRAINAGE BLANKET-TYPE II-ASPHALT ASPHALT CURING SEAL (APPLY AT A RATE OF 1.6 lb/sq yd) 4.0" DENSE GRADED AGGREGATE	FACE OF REINFORCED EARTH WALL (CONSTRUCTED DURING GRADE & DRAIN PHASE)
ROADBED PREPARATION	8.0" CEMENT STABILIZED ROADBED CEMENT (APPLY AT A RATE OF 6% BY WEIGHT AT 109 lb/cu ft) ASPHALT CURING SEAL (APPLY AT A RATE OF 2.0 lb/sq yd) SAND FOR BLOTTER (APPLY AT A RATE OF 5.0 lb/sq yd)	LIMIT OF REINFORCED EARTH GRANULAR BACKFILL TYPICAL REINFORCING STRIP

* ASPHALT SEAL REQUIRED FROM OUTSIDE EDGE OF PAVED SHOULDER TO A POINT 2' DOWN THE DITCH OR FILL SLOPE. TWO APPLICATIONS OF THE FOLLOWING:
EMULSIFIED ASPHALT RS-2 @ 2.4 LBS PER SQ. YD.
ASPHALT SEAL AGGREGATE @ 20 LBS PER SQ. YD. (NO. 8 OR 9)

ASPHALT SEAL REQUIRED FOR DITCHES BETWEEN MSE WALL AND NATCHER PARKWAY TO BOTTOM OF DITCH.

DESIGN SPEED = 50 m.p.h.

TYPICAL SECTIONS

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: roadway-ceil
Cell Name: sp
DD-MMM-YYYY HH:MM

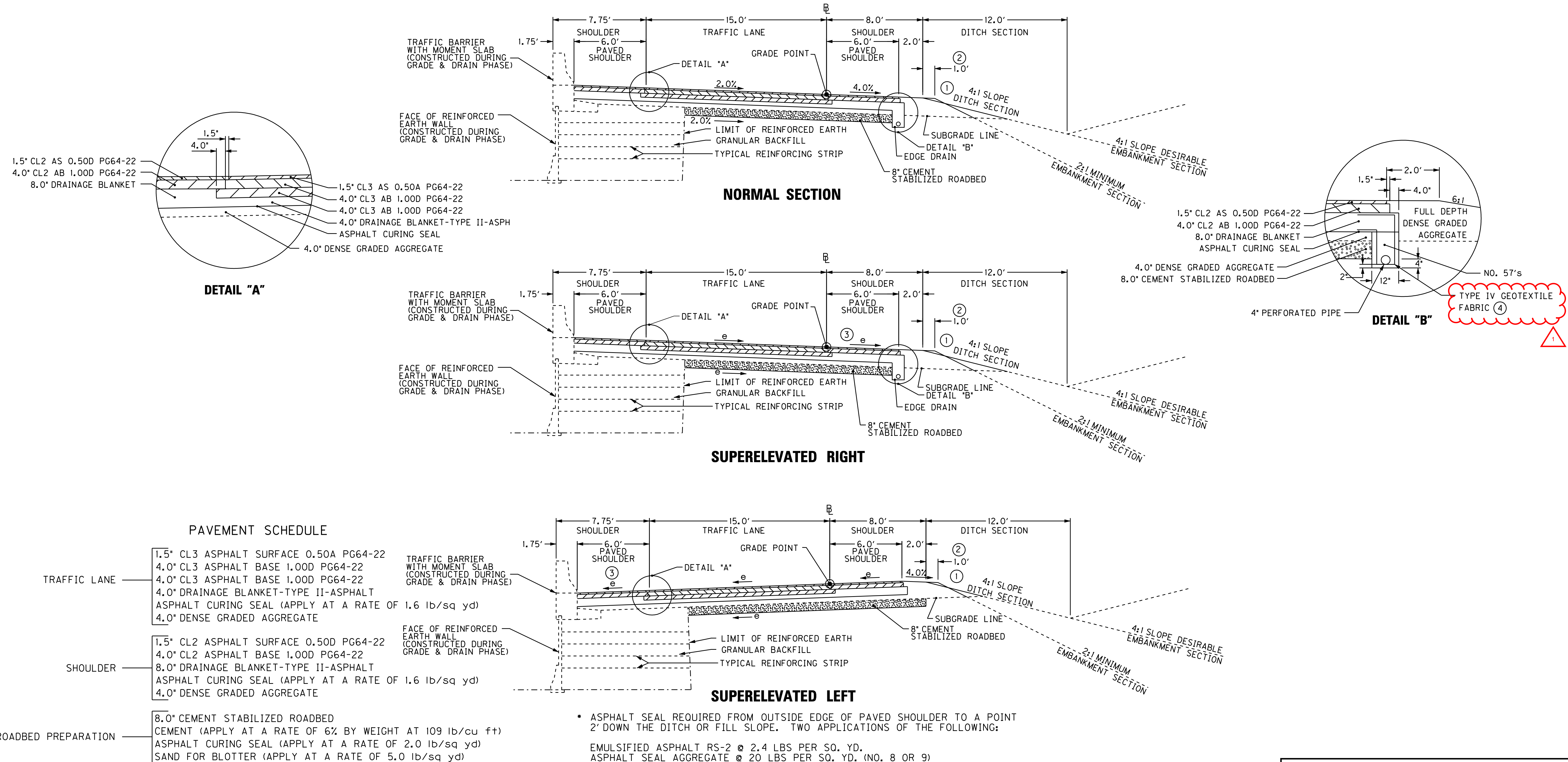
VENDORS NAME
1-92
FORM NO. 2

REVISION 03-09-2011

TYPICAL SECTIONS

ALTERNATE C
PLANO RAMP 1-4
RAMP 1 STA. 105+67.62 TO STA. 125+28.10
RAMP 2 STA. 200+00.00 TO STA. 213+90.21
RAMP 3 STA. 304+66.86 TO STA. 328+37.68
RAMP 4 STA. 400+00.00 TO STA. 417+02.92

- ① SEE X-SECTIONS FOR SLOPES OUTSIDE OF SHOULDER
- ② WIDEN SHOULDER If+ FOR GUARDRAIL
- ③ SUPERELEVATED SHOULDERS, CONSTRUCT TO STANDARD SUPERELEVATION EXCEPT NOT FLATTER THAN NORMAL SHOULDER SLOPES
- ④ USE THE MIN. FABRIC WIDTH NECESSARY TO ALLOW FOR A 1' OVERLAP



PREPARED BY _____ DATE _____
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Cell Library: roadway-ceil
Cell Name: sp
DD-MMM-YYYY HH:MM

VENDORS NAME
1-92
FORM NO. 2

* ASPHALT SEAL REQUIRED FROM OUTSIDE EDGE OF PAVED SHOULDER TO A POINT 2' DOWN THE DITCH OR FILL SLOPE. TWO APPLICATIONS OF THE FOLLOWING:
EMULSIFIED ASPHALT RS-2 @ 2.4 LBS PER SQ. YD.
ASPHALT SEAL AGGREGATE @ 20 LBS PER SQ. YD. (NO. 8 OR 9)

ASPHALT SEAL REQUIRED FOR DITCHES BETWEEN MSE WALL AND NATCHER PARKWAY TO BOTTOM OF DITCH.

TYPICAL SECTIONS

DESIGN SPEED = 50 m.p.h.

GENERAL SUMMARY

COUNTY OF	ITEM NO.	SHEET NO.
WARREN	3-53.10	R2J

ITEM CODE	ITEM	UNIT	MAINLINE	SB CD	I-65 RAMP 1, 4, 6, 7	PLANO RAMP 1-4	US 231											TOTAL
078	CRUSHED AGGREGATE SIZE NO. 2	①	TON	60	6	19	12											97
1000	PERFORATED PIPE - 4 IN	②	L.F.	19849	2800	5268	3590											31507
1010	NON-PERFORATED PIPE - 4 IN	②	L.F.	843	103	121	80											1147
1015	INSPECT & CERTIFY EDGE DRAIN SYSTEM		LP SUM	1														1
1020	PERFORATED PIPE HEADWALL TYPE 1 - 4 IN	②	EACH	1		6	2											9
1028	PERFORATED PIPE HEADWALL TYPE 3 - 4 IN	②	EACH	13	6	13	10											42
1032	PERFORATED PIPE HEADWALL TYPE 4 - 4 IN	②	EACH	47														47
1740	CORED HOLE DRAINAGE BOX CON-4 IN	②	EACH	6	3													9
1982	DELINEATOR FOR GUARDRAIL-WHITE		EACH	25		49	32											106
1983	DELINEATOR FOR GUARDRAIL-YELLOW		EACH	32		35												67
2014	BARRICADE-TYPE III	③	EACH	8	2	4	12											26
2242	WATER	④	M GAL	100														100
2351	GUARDRAIL - STEEL W BEAM - S FACE (S.F.)		L.F.	4675		4012.5	2725											11412.5
2367	GUARDRAIL END TREATMENT TY 1		EACH	4														4
2369	GUARDRAIL END TREATMENT TY 2A		EACH	9		5	4											18
2391	GUARDRAIL END TREATMENT TY 4A		EACH	5		4	4											13
2562	SIGNS		SO. FT.															887
2568	MOBILIZATION		LP SUM	1														1
2569	DEMOBILIZATION		LP SUM	1														1
2599	FABRIC-GEOTEXTILE TYPE IV	⑤	SO. YD.	17245	2420	4491	3059											27215
2601	FINAL DRESSING CLASS B		L.F.	10179	2340	6250	7426											26195
2650	MAINTAIN & CONTROL TRAFFIC		LP SUM	1														1
2653	LANE CLOSURE		EACH	1														1
2671	PORTABLE CHANGEABLE MESSAGE SIGN		EACH	2	4													6
2726	STAKING		LP SUM	1														1
2775	ARROW PANEL		EACH	1														1
2929	CRASH CUSHION TYPE IX		EACH	2														2
5966	TOPDRESSING FERTILIZER		TON	5.0														5.0
5985	SEEDING AND PROTECTION		SO YD	96800														96800
6417	FLEXIBLE DELINEATOR POST - W		EACH	31	19	104	75											229
6418	FLEXIBLE DELINEATOR POST - Y		EACH			78												78
6517	PAVE STRIPING-PERM PAINT-12 IN		L.F.	1570	266	618	1066											3520
6540	PAVE STRIPING-THERMO-4 IN W		L.F.					51										51
6554	PAVE STRIPING-DUR TY 1-4 IN W		L.F.				185											185
6555	PAVE STRIPING-DUR TY 1-4 IN Y		L.F.				171											171
6568	PAVEMENT MRKG - THERMO STOP BAR - 24"		L.F.				48	86										134
6574	PAVEMENT MRKG - THERMO CURV ARROW		EACH	12														12
6589	PAVEMENT MARKER TY V-MW		EACH	11														11
6592	PAVEMENT MARKER TYPE V-B W/R		EACH	351	19	33	46											449
6593	PAVEMENT MARKER TYPE V-B Y/R		EACH		59	117	111											287
8100	CONCRETE-CLASS A		CU. YD.				10.74											10.74
8150	STEEL REINFORCEMENT		LBS.				392											392
8904	CRASH CUSHION TY VI CLASS C		EACH				2											2
10203ND	PAVEMENT ADJUSTMENT (ASPHALT)	⑥	LP SUM	1														1
10203ND	PAVEMENT ADJUSTMENT (CONCRETE W/ CONCRETE SHOULDERS)	⑥	LP SUM	1														1
10203ND	PAVEMENT ADJUSTMENT (CONCRETE W/ ASPHALT SHOULDERS)	⑥	LP SUM	1														1
22854EN	PAVE STRIPE PERM-6 IN HD21-WHITE		L.F.	22288	2135	5999	7425											37847
22855EN	PAVE STRIPE PERM-6 IN HD21-YELLOW		L.F.	20357	2340	4660	4555											31912

NOTES:

- ① FOR PERFORATED PIPE HEADWALLS SEE EDGE DRAIN SUMMARY FOR APPROX. LOCATION
- ② SEE EDGE DRAIN SUMMARY FOR APPROX. LOCATION
- ③ TYPE III BARRICADES ARE IN PLACE. THIS BID ITEM IS FOR REMOVAL ONLY AND SHALL BE TRANSPORTED TO THE KYTC DISTRICT 3 MAINTENANCE GARAGE ON THREE SPRINGS RD.
- ④ FOR CONTROLLING DUST CAUSED BY TRAFFIC CONTROL
- ⑤ FOR WRAPPING EDGE DRAIN BACKFILL PER TYPICAL SECTION
- ⑥ SEE PROPOSAL FOR SPECIAL NOTE: ALTERNATE PAVEMENT BID ADJUSTMENT

CONSTRUCTION SIGNS					
DESCRIPTION	NO. REQ'D	SIZE	I.D.	QUANTITY	UNIT
ROADWORK 1 MILE	6	48"x48"	W20-1	96	SF
55 MPH SPEED LIMIT AHEAD	6	48"x48"	W3-5	96	SF
55 MPH SPEED ADVISORY SIGN	6	30"x36"	R2-1	45	SF
END ROAD WORK	4	36"x18"	G20-2	18	SF
ROAD WORK AHEAD	4	48"x48"	W20-5	64	SF
RIGHT SHOULDER CLOSED 500 FT	4	48"x48"	W21-5b	64	SF
RIGHT SHOULDER CLOSED ARROW PANEL	4	48"x48"	W21-5a	64	SF
LEFT LANE CLOSED 1/2 MILE AHEAD	2	48"x48"	W20-5	32	SF
VARIABLE MESSAGE SIGN	6				
END DOUBLE FINE	4	36"x36"		36	SF
WARNING FINE DOUBLED IN WORK ZONE	4	36"x48"		48	SF
LEFT LANE CLOSED 1500 FT AHEAD	2	48"x48"	W20-5	32	SF
LEFT LANE CLOSED	2	48"x48"	W4-2	32	SF
ROAD CLOSED	26	48"x30"	R11-2	260	SF

PREPARED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 APPROVED BY _____ DATE _____

Cell Library: roadwoy.cel
 Cell Name: sgs
 DD-MMM-YYYY HH:MM

VENDERS NAME
 1-92
 FORM NO. 2B

GENERAL SUMMARY

COUNTY OF	ITEM NO.	SHEET NO.
WARREN	3-53.10	R2J

REVISED 03-09-2011

NOTES:

- ① FOR PERFORATED PIPE HEADWALLS SEE EDGE DRAIN SUMMARY FOR APPROX. LOCATION
- ② SEE EDGE DRAIN SUMMARY FOR APPROX. LOCATION
- ③ TYPE III BARRICADES ARE IN PLACE. THIS BID ITEM IS FOR REMOVAL ONLY AND SHALL BE TRANSPORTED TO THE KYTC DISTRICT 3 MAINTENANCE GARAGE ON THREE SPRINGS RD.
- ④ FOR CONTROLLING DUST CAUSED BY TRAFFIC CONTROL
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- ⑥ SEE PROPOSAL FOR SPECIAL NOTE: ALTERNATE PAVEMENT BID ADJUSTMENT

ITEM CODE	ITEM	UNIT	MAINLINE	SB CD	I-65 RAMP 1, 4, 6, 7	PLANO RAMP 1-4	US 231											TOTAL
078	CRUSHED AGGREGATE SIZE NO. 2	①	TON	60	6	19	12											97
1000	PERFORATED PIPE - 4 IN	②	L.F.	19849	2800	5268	3590											31507
1010	NON-PERFORATED PIPE - 4 IN	②	L.F.	843	103	121	80											1147
1015	INSPECT & CERTIFY EDGE DRAIN SYSTEM		LP SUM	1														1
1020	PERFORATED PIPE HEADWALL TYPE 1 - 4 IN	②	EACH	1		6	2											9
1028	PERFORATED PIPE HEADWALL TYPE 3 - 4 IN	②	EACH	13	6	13	10											42
1032	PERFORATED PIPE HEADWALL TYPE 4 - 4 IN	②	EACH	47														47
1740	CORED HOLE DRAINAGE BOX CON-4 IN	②	EACH	6	3													9
1982	DELINEATOR FOR GUARDRAIL-WHITE		EACH	25		49	32											106
1983	DELINEATOR FOR GUARDRAIL-YELLOW		EACH	32		35												67
2014	BARRICADE-TYPE III	③	EACH	8	2	4	12											26
2242	WATER	④	M GAL	100														100
2351	GUARDRAIL - STEEL W BEAM - S FACE (S.F.)		L.F.	4675		4012.5	2725											11412.5
2367	GUARDRAIL END TREATMENT TY 1		EACH	4														4
2369	GUARDRAIL END TREATMENT TY 2A		EACH	9		5	4											18
2391	GUARDRAIL END TREATMENT TY 4A		EACH	5		4	4											13
2562	SIGNS		SO. FT.															887
2568	MOBILIZATION		LP SUM	1														1
2569	DEMOBILIZATION		LP SUM	1														1
2599	FABRIC-GEOTEXTILE TYPE IV	⑤	SO. YD.	17245	2420	4491	3059											27215
2601	FINAL DRESSING CLASS B		L.F.	10179	2340	6250	7426											26195
2650	MAINTAIN & CONTROL TRAFFIC		LP SUM	1														1
2653	LANE CLOSURE		EACH	1														1
2671	PORTABLE CHANGEABLE MESSAGE SIGN		EACH	2	4													6
2726	STAKING		LP SUM	1														1
2775	ARROW PANEL		EACH	1														1
2929	CRASH CUSHION TYPE IX		EACH	2														2
5966	TOPDRESSING FERTILIZER		TON	5.0														5.0
5985	SEEDING AND PROTECTION		SO YD	96800														96800
6417	FLEXIBLE DELINEATOR POST - W		EACH	31	19	104	75											229
6418	FLEXIBLE DELINEATOR POST - Y		EACH			78												78
6517	PAVE STRIPING-PERM PAINT-12 IN		L.F.	1570	266	618	1066											3520
6540	PAVE STRIPING-THERMO-4 IN W		L.F.					51										51
6554	PAVE STRIPING-DUR TY 1-4 IN W		L.F.				185											185
6555	PAVE STRIPING-DUR TY 1-4 IN Y		L.F.				171											171
6568	PAVEMENT MRKG - THERMO STOP BAR - 24"		L.F.				48	86										134
6574	PAVEMENT MRKG - THERMO CURV ARROW		EACH	12														12
6589	PAVEMENT MARKER TY V-MW		EACH	11														11
6592	PAVEMENT MARKER TYPE V-B W/R		EACH	351	19	33	46											449
6593	PAVEMENT MARKER TYPE V-B Y/R		EACH		59	117	111											287
8100	CONCRETE-CLASS A		CU. YD.				10.74											10.74
8150	STEEL REINFORCEMENT		LBS.				392											392
8904	CRASH CUSHION TY V CLASS C		EACH				2											2
10203ND	PAVEMENT ADJUSTMENT (ASPHALT)	⑥	LP SUM	1														1
10203ND	PAVEMENT ADJUSTMENT (CONCRETE W/ CONCRETE SHOULDERS)	⑥	LP SUM	1														1
10203ND	PAVEMENT ADJUSTMENT (CONCRETE W/ ASPHALT SHOULDERS)	⑥	LP SUM	1														1
22854EN	PAVE STRIPE PERM-6 IN HD21-WHITE		L.F.	22288	2135	5999	7425											37847
22855EN	PAVE STRIPE PERM-6 IN HD21-YELLOW		L.F.	20357	2340	4660	4555											31912

CONSTRUCTION SIGNS					
DESCRIPTION	NO. REQ'D	SIZE	I.D.	QUANTITY	UNIT
ROADWORK 1 MILE	6	48"x48"	W20-1	96	SF
55 MPH SPEED LIMIT AHEAD	6	48"x48"	W3-5	96	SF
55 MPH SPEED ADVISORY SIGN	6	30"x36"	R2-1	45	SF
END ROAD WORK	4	36"x18"	G20-2	18	SF
ROAD WORK AHEAD	4	48"x48"	W20-5	64	SF
RIGHT SHOULDER CLOSED 500 FT	4	48"x48"	W21-5b	64	SF
RIGHT SHOULDER CLOSED ARROW PANEL	4	48"x48"	W21-5a	64	SF
LEFT LANE CLOSED 1/2 MILE AHEAD	2	48"x48"	W20-5	32	SF
VARIABLE MESSAGE SIGN	6				
END DOUBLE FINE	4	36"x36"		36	SF
WARNING FINE DOUBLED IN WORK ZONE	4	36"x48"		48	SF
LEFT LANE CLOSED 1500 FT AHEAD	2	48"x48"	W20-5	32	SF
LEFT LANE CLOSED	2	48"x48"	W4-2	32	SF
ROAD CLOSED	26	48"x30"	R11-2	260	SF

① CORRECT DESCRIPTION

PREPARED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 APPROVED BY _____ DATE _____

Cell Library: roadwoy, cel
 Cell Name: sgs
 DD-MMM-YYYY HH:MM

VENDERS NAME
 1-92
 FORM NO. 2B

CONTRACT ID: 111012
COUNTY: WARREN, DAVIESS, BUTLER, OHIO
PROPOSAL: STP 0031(007)

PAGE: 1
LETTING: 03/18/11
CALL NO: 104

LINE NO	ITEM	DESCRIPTION	APPROXIMATE QUANTITY	UNIT	UNIT PRICE	AMOUNT
ALT GROUPIAA10001 PAVING-CONC WITH CONC SHOULDER						
0010	00001	DGA BASE	67,936.000	TON		
0020	00008	CEMENT STABILIZED ROADBED	130,578.000	SQYD		
0030	00022	JPC PAVEMENT DRAINAGE BLANKET	38,909.000	TON		
0040	00100	ASPHALT SEAL AGGREGATE	681.000	TON		
0050	00291	EMULSIFIED ASPHALT RS-2	85.000	TON		
0060	00358	ASPHALT CURING SEAL	132.000	TON		
0070	02069	JPC PAVEMENT-10 IN	84,295.000	SQYD		
0080	02075	JPC PAVEMENT-6 IN	46,282.000	SQYD		
0090	02542	CEMENT	2,562.000	TON		
0100	02695	RUMBLE STRIPS TYPE 3	38,751.000	LF		
0110	02702	SAND FOR BLOTTER	327.000	TON		
0120	10203ND	PAVEMENT ADJUSTMENT CONC WITH CONC SHOULDER	(1.00)	LS	322,501.00	322,501.00
ALT GROUPIAA20002 PAVING-CONC WITH ASPH SHOULDER						
0130	00001	DGA BASE	67,865.000	TON		
0140	00008	CEMENT STABILIZED ROADBED	130,578.000	SQYD		
0150	00022	JPC PAVEMENT DRAINAGE BLANKET	41,716.000	TON		
0160	00100	ASPHALT SEAL AGGREGATE	681.000	TON		
0170	00212	CL2 ASPH BASE 1.00D PG64-22	10,378.000	TON		
0180	00291	EMULSIFIED ASPHALT RS-2	85.000	TON		
0190	00309	CL2 ASPH SURF 0.50D PG64-22	3,818.000	TON		
0200	00358	ASPHALT CURING SEAL	135.000	TON		

CONTRACT ID: 111012
COUNTY: WARREN, DAVIESS, BUTLER, OHIO
PROPOSAL: STP 0031(007)

PAGE: 2
LETTING: 03/18/11
CALL NO: 104

LINE NO	ITEM	DESCRIPTION	APPROXIMATE QUANTITY	UNIT	UNIT PRICE	AMOUNT
0210	02069	JPC PAVEMENT-10 IN	84,295.000	SQYD		
0220	02542	CEMENT	2,562.000	TON		
0230	02696	SHOULDER RUMBLE STRIPS-SAWED	38,751.000	LF		
0240	02702	SAND FOR BLOTTER	327.000	TON		
0250	10203ND	PAVEMENT ADJUSTMENT CONC WITH ASPH SHOULDER	(1.00)	LS	322,501.00	322,501.00
ALT GROUPIAA30003 PAVING-ASPH WITH ASPH SHOULDER						
0260	00001	DGA BASE	64,791.000	TON		
0270	00008	CEMENT STABILIZED ROADBED	130,578.000	SQYD		
0280	00018	DRAINAGE BLANKET-TYPE II-ASPH	40,104.000	TON		
0290	00100	ASPHALT SEAL AGGREGATE	681.000	TON		
0300	00212	CL2 ASPH BASE 1.00D PG64-22	10,182.000	TON		
0310	00214	CL3 ASPH BASE 1.00D PG64-22	30,961.000	TON		
0320	00216	CL3 ASPH BASE 1.00D PG76-22	7,048.000	TON		
0330	00291	EMULSIFIED ASPHALT RS-2	85.000	TON		
0340	00309	CL2 ASPH SURF 0.50D PG64-22	3,817.000	TON		
0350	00330	CL3 ASPH SURF 0.50A PG64-22	5,674.000	TON		
0360	00332	CL3 ASPH SURF 0.50A PG76-22	1,280.000	TON		
0370	00358	ASPHALT CURING SEAL	131.000	TON		
0380	02542	CEMENT	2,562.000	TON		
0390	02696	SHOULDER RUMBLE STRIPS-SAWED	38,751.000	LF		
0400	02702	SAND FOR BLOTTER	327.000	TON		
0410	10203ND	PAVEMENT ADJUSTMENT ASPHALT	(1.00)	LS	692,394.00	692,394.00

SECTION 0004 ROADWAY

CONTRACT ID: 111012
 COUNTY: WARREN, DAVIESS, BUTLER, OHIO
 PROPOSAL: STP 0031(007)

PAGE: 3
 LETTING: 03/18/11
 CALL NO: 104

LINE NO	ITEM	DESCRIPTION	APPROXIMATE QUANTITY	UNIT	UNIT PRICE	AMOUNT
0420	00078	CRUSHED AGGREGATE SIZE NO 2	97.000	TON		
0430	01000	PERFORATED PIPE-4 IN	31,507.000	LF		
0440	01010	NON-PERFORATED PIPE-4 IN	1,147.000	LF		
0450	01015	INSPECT & CERTIFY EDGE DRAIN SYSTEM	(1.00)	LS		
0460	01020	PERF PIPE HEADWALL TY 1-4 IN	9.000	EACH		
0470	01028	PERF PIPE HEADWALL TY 3-4 IN	42.000	EACH		
0480	01032	PERF PIPE HEADWALL TY 4-4 IN	47.000	EACH		
0490	01565	DROP BOX INLET TYPE 13GT	12.000	EACH		
0500	01740	CORED HOLE DRAINAGE BOX CON-4 IN	9.000	EACH		
0510	01982	DELINEATOR FOR GUARDRAIL-WHITE	106.000	EACH		
0520	01983	DELINEATOR FOR GUARDRAIL-YELLOW	67.000	EACH		
0530	02014	BARRICADE-TYPE III	26.000	EACH		
0540	02242	WATER	100.000	MGAL		
0550	02351	GUARDRAIL-STEEL W BEAM-S FACE	11,412.500	LF		
0560	02367	GUARDRAIL END TREATMENT TYPE 1	4.000	EACH		
0570	02369	GUARDRAIL END TREATMENT TYPE 2A	18.000	EACH		
0580	02391	GUARDRAIL END TREATMENT TYPE 4A	13.000	EACH		
0590	02562	SIGNS	887.000	SQFT		
0600	02599	FABRIC-GEOTEXTILE TYPE IV (REVISED: 3-10-11)	27,215.000	SQYD		
0610	02601	FINAL DRESSING CLASS B	26,195.000	LF		
0620	02650	MAINTAIN & CONTROL TRAFFIC	(1.00)	LS		

CONTRACT ID: 111012
 COUNTY: WARREN, DAVIESS, BUTLER, OHIO
 PROPOSAL: STP 0031(007)

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LINE NO	ITEM	DESCRIPTION	APPROXIMATE QUANTITY	UNIT	UNIT PRICE	AMOUNT
0630	02653	LANE CLOSURE	1.000	EACH		
0640	02671	PORTABLE CHANGEABLE MESSAGE SIGN	6.000	EACH		
0650	02726	STAKING	(1.00)	LS		
0660	02775	ARROW PANEL	1.000	EACH		
0670	02929	CRASH CUSHION TYPE IX	2.000	EACH		
0680	05966	TOPDRESSING FERTILIZER	5.000	TON		
0690	05985	SEEDING AND PROTECTION	96,800.000	SQYD		
0700	06417	FLEXIBLE DELINEATOR POST-W	229.000	EACH		
0710	06418	FLEXIBLE DELINEATOR POST-Y	78.000	EACH		
0720	06517	PAVE STRIPING-PERM PAINT-12 IN	3,520.000	LF		
0730	06540	PAVE STRIPING-THERMO-4 IN W	51.000	LF		
0740	06554	PAVE STRIPING-DUR TY 1-4 IN W	185.000	LF		
0750	06555	PAVE STRIPING-DUR TY 1-4 IN Y	171.000	LF		
0760	06568	PAVE MARKING-THERMO STOP BAR-24IN	134.000	LF		
0770	06574	PAVE MARKING-THERMO CURV ARROW	12.000	EACH		
0780	06589	PAVEMENT MARKER TYPE V-MW	11.000	EACH		
0790	06592	PAVEMENT MARKER TYPE V-B W/R	449.000	EACH		
0800	06593	PAVEMENT MARKER TYPE V-B Y/R	287.000	EACH		
0810	08100	CONCRETE-CLASS A	10.740	CUYD		
0820	08150	STEEL REINFORCEMENT	392.000	LB		
0830	08905	CRASH CUSHION TY VI CLASS CT	2.000	EACH		

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0840	22854EN	PAVE STRIPE PERM-6 IN HD21-WHITE	37,847.000	LF		
0850	22855EN	PAVE STRIPE PERM-6 IN HD21-YELLOW	31,912.000	LF		
SECTION 0005 SIGNING-WARREN CO.						
0860	04903	REFERENCE MARKER	1,184.000	EACH		
0870	06405	SBM ALUMINUM PANEL SIGNS	6,245.000	SQFT		
0880	06406	SBM ALUM SHEET SIGNS .080 IN	341.300	SQFT		
0890	06407	SBM ALUM SHEET SIGNS .125 IN	1,060.000	SQFT		
0900	06410	STEEL POST TYPE 1	358.800	LF		
0910	06411	STEEL POST TYPE 2	1,729.000	LF		
0920	06412	STEEL POST MILE MARKERS	296.000	EACH		
0930	06417	FLEXIBLE DELINEATOR POST-W	100.000	EACH		
0940	06418	FLEXIBLE DELINEATOR POST-Y	50.000	EACH		
0950	06424	OSS ALUMINUM 65 FT TRUSS	1.000	EACH		
0960	06426	OSS ALUMINUM 70 FT TRUSS	2.000	EACH		
0970	06436	OSS ALUMINUM 75 FT TRUSS	3.000	EACH		
0980	06448	SIGN BRIDGE ATTACHMENT BRACKET	1.000	EACH		
0990	06449	REM OVERHEAD SIGN SUPPORT STR	1.000	EACH		
1000	06450	REM OVERHEAD STRUC CONC BASE	1.000	EACH		
1010	06451	REMOVE SIGN SUPPORT BEAM	9.000	EACH		
1020	06490	CLASS A CONCRETE FOR SIGNS	173.200	CUYD		
1030	06491	STEEL REINFORCEMENT FOR SIGNS	14,609.000	LB		

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1040	20419ND	ROADWAY CROSS SECTION	24.000	EACH		
1050	20815ED	GMSS GALV STEEL TYPE C	5,376.000	LB		
1060	20912ND	BARRIER WALL POST	2.000	EACH		
1070	21373ND	REMOVE SIGN	10.000	EACH		
1080	21596ND	GMSS TYPE D	27.000	EACH		
1090	23603EC	REMOVE/REPLACE COPY ON PANEL SIGNS	9.600	SQFT		
1100	24089EC	REMOVE COPY ON PANEL SIGNS	108.000	SQFT		
SECTION 0006 ITS						
1110	03381	PVC PIPE-2 IN	600.000	LF		
1120	04795	CONDUIT-2 IN	120.000	LF		
1130	04820	TRENCHING AND BACKFILLING	640.000	LF		
1140	04835	WIRE-NO. 4	240.000	LF		
1150	04836	WIRE-NO. 2	1,200.000	LF		
1160	04899	ELECTRICAL SERVICE	1.000	EACH		
1170	06400	GMSS GALV STEEL TYPE A	1,136.100	LB		
1180	06490	CLASS A CONCRETE FOR SIGNS	2.550	CUYD		
1190	20419ND	ROADWAY CROSS SECTION	1.000	EACH		
1200	21065ND	MODEL 334 ENCLOSURE	1.000	EACH		
1210	21066ND	MODEL 336 ENCLOSURE	1.000	EACH		
1220	21069ND	SURGE DEVICE 120 VOLT	2.000	EACH		
1230	21071ND	DATA SURGE DEVICE	3.000	EACH		

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LINE NO	ITEM	DESCRIPTION	APPROXIMATE QUANTITY	UNIT	UNIT PRICE	AMOUNT
1240	21076ND	FIBER TERMINATION RACK	4.000	EACH		
1250	21077ED	FIBER OPTIC CABLE	400.000	LF		
1260	21458ND	FIBER TRANSCEIVER SIGN	2.000	EACH		
1270	21489ND	RACK MOUNTED UPS	1.000	EACH		
1280	22403NN	WEB CAMERA ASSEMBLY	1.000	EACH		
1290	22408NN	VARIABLE MESSAGE SIGN-DYNAMIC SIDE MOUNT	1.000	EACH		
1300	22409NN	STEEL STRAIN POLE-40 FT	1.000	EACH		
1310	23150NN	COMMUNICATION CABLE	100.000	LF		
1320	23157EN	TRAFFIC SIGNAL POLE BASE	4.320	CUYD		
1330	23944EC	ADVANCED GROUNDING SYSTEM	2.000	EACH		
1340	24079EC	WIRELESS MODEM	1.000	EACH		
SECTION 0007 DEMOB AND MOB						
1350	02568	MOBILIZATION (NO MORE THAN 5%)		LUMP		
1360	02569	DEMOBILIZATION (AT LEAST 1.5%)		LUMP		
		TOTAL BID				