



TRANSPORTATION CABINET

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

Steven L. Beshear
Governor

Michael W. Hancock, P.E.
Secretary

September 20, 2011

CALL NO. 313
CONTRACT ID NO. 111332
ADDENDUM # 1

Subject: Barren County, FD04 SPP 005 0090 011-014
Letting September 23, 2011

- (1) Revised - Plan Sheets - R2A, R2B, R2C & R2R
- (2) Revised - Bid Items - Pages 73-79 of 79

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



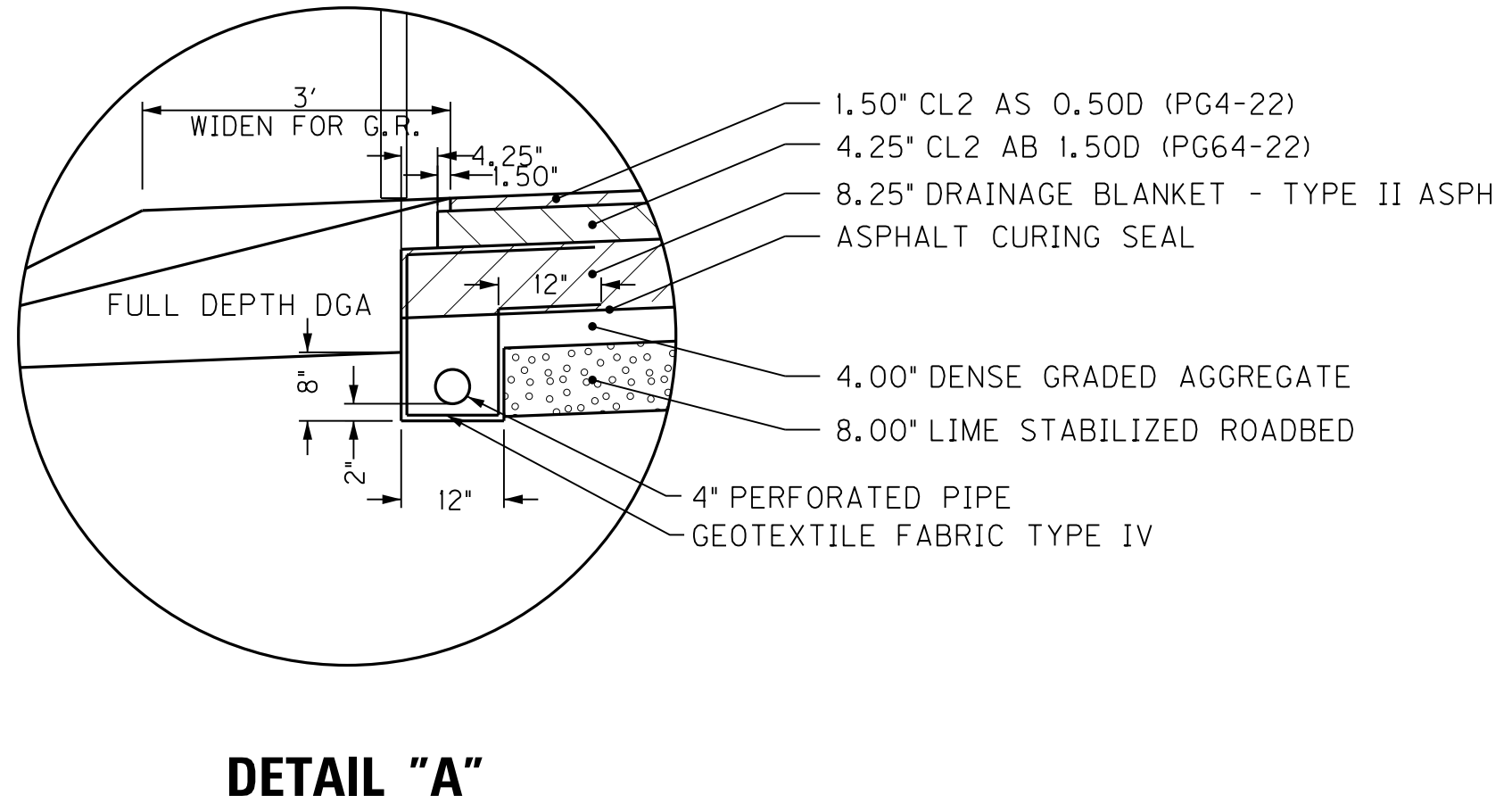
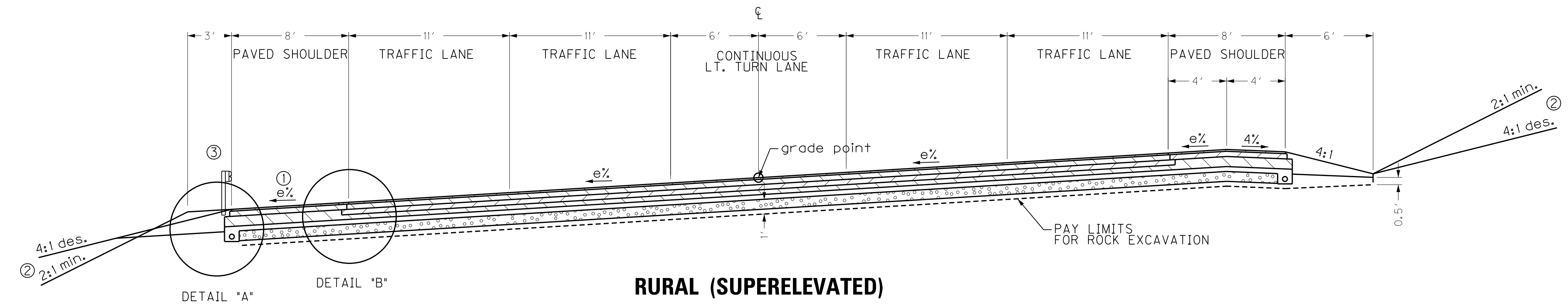
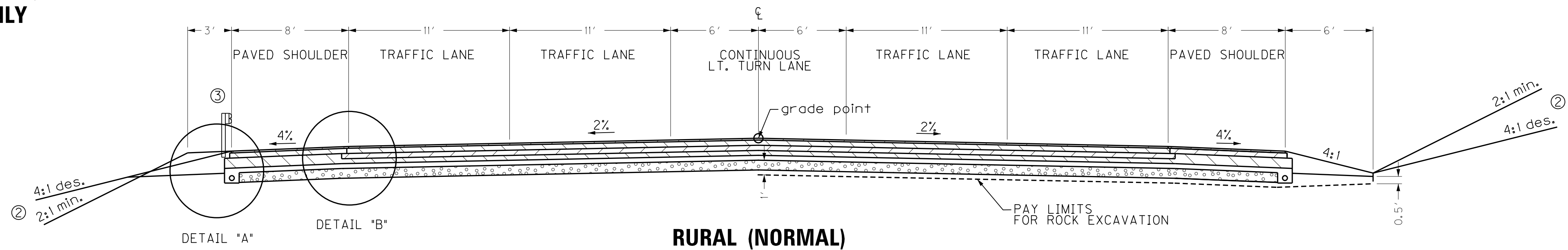
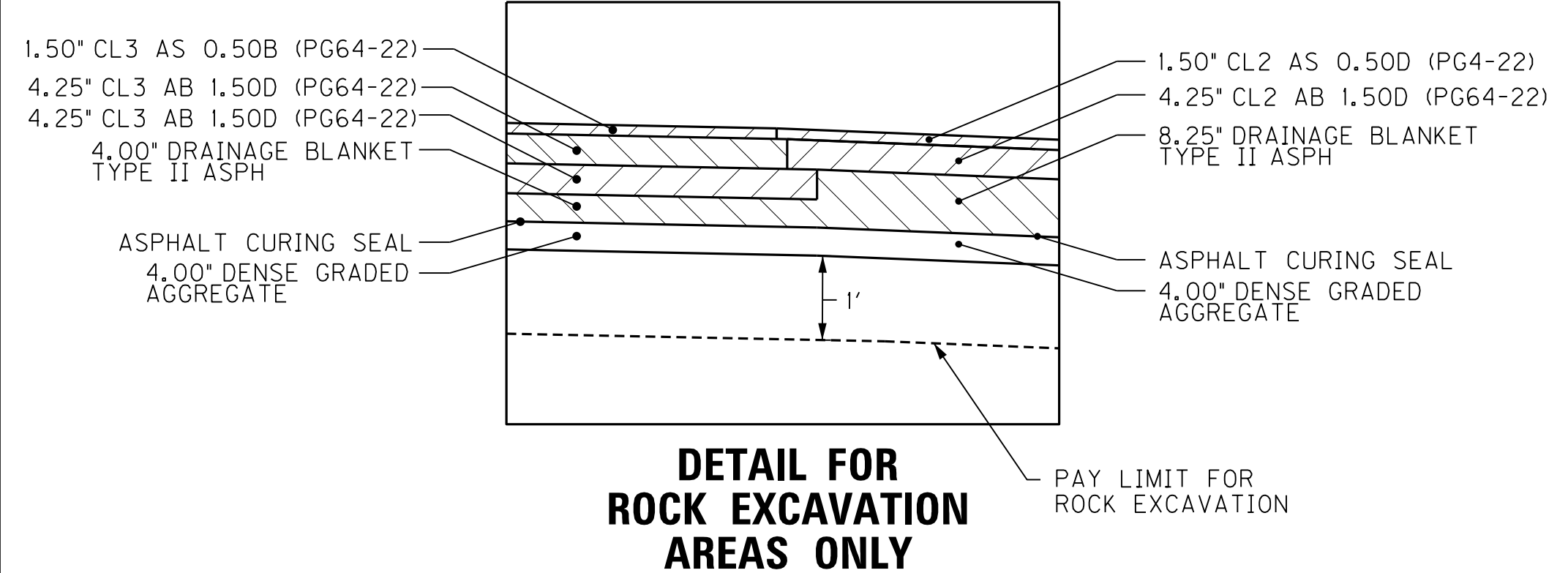
An Equal Opportunity Employer M/F/D

TYPICAL SECTION

KY 90
 STA. 137+00.00 TO STA. 185+43.18
DESIGN SPEED = 45 m.p.h.

- NOTES:
- ① SUPERELEVATED SHOULDER, CONSTRUCT TO STANDARD SUPERELEVATION EXCEPT NOT FLATTER THAN NORMAL SHOULDER SLOPE
 - ② SEE X-SECTIONS FOR SLOPES OUTSIDE OF SHOULDER
 - ③ WIDEN SHOULDER 3' FOR GUARDRAIL
 - ④ CEMENT STABILIZATION MAY BE USED ACCORDING TO ADDITIONAL SPECIAL NOTE 5

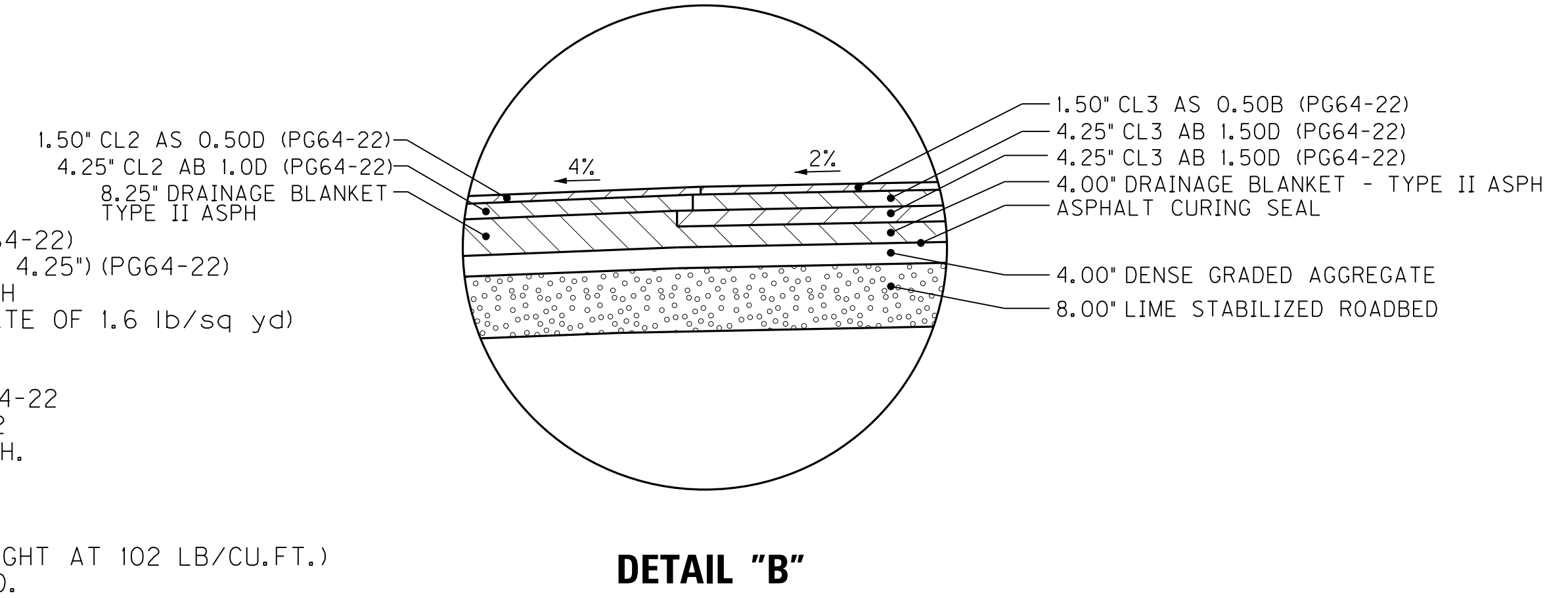
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PAVEMENT SCHEDULE (NEW CONSTRUCTION)
 GRADE, DRAIN, & SURFACING

- USING -

NEW CONSTRUCTION (TRAFFIC LANES)	1.50" CL3 ASPHALT SURFACE 0.50B (PG64-22) 8.50" CL3 ASPHALT BASE 1.50D (4.25" + 4.25") (PG64-22) 4.00" DRAINAGE BLANKET - TYPE II ASPH ASPHALT CURING SEAL (APPLY AT A RATE OF 1.6 lb/sq yd) 4.00" DENSE GRADED AGGREGATE
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ROADBED PREPARATION	8" LIME STABILIZED ROADBED ④ LIME (APPLY AT A RATE OF 6% BY WEIGHT AT 102 LB/CU.FT.) ASPHALT CURING SEAL 2.0 LB/SQ. YD. SAND FOR BLOTTER 5.0 LB/SQ. YD.



ASPHALT SEAL REQUIRED FROM EDGE OF PAVED SHOULDER TO A POINT 2.0 FT. DOWN THE DITCH OR FILL SLOPE TO RETARD VEGETATION GROWTH AND PREVENT EROSION. TWO APPLICATIONS OF THE FOLLOWING ARE REQUIRED:

EMULSIFIED ASPHALT RS-2	2.4 LB/SQ. YDS.
ASPHALT SEAL AGGREGATE	20 LB/SQ. YDS. (SIZE NO. 8 OR 9)

ASPHALT MATERIAL FOR TACK AS DIRECTED BY ENGINEER (INCIDENTAL)

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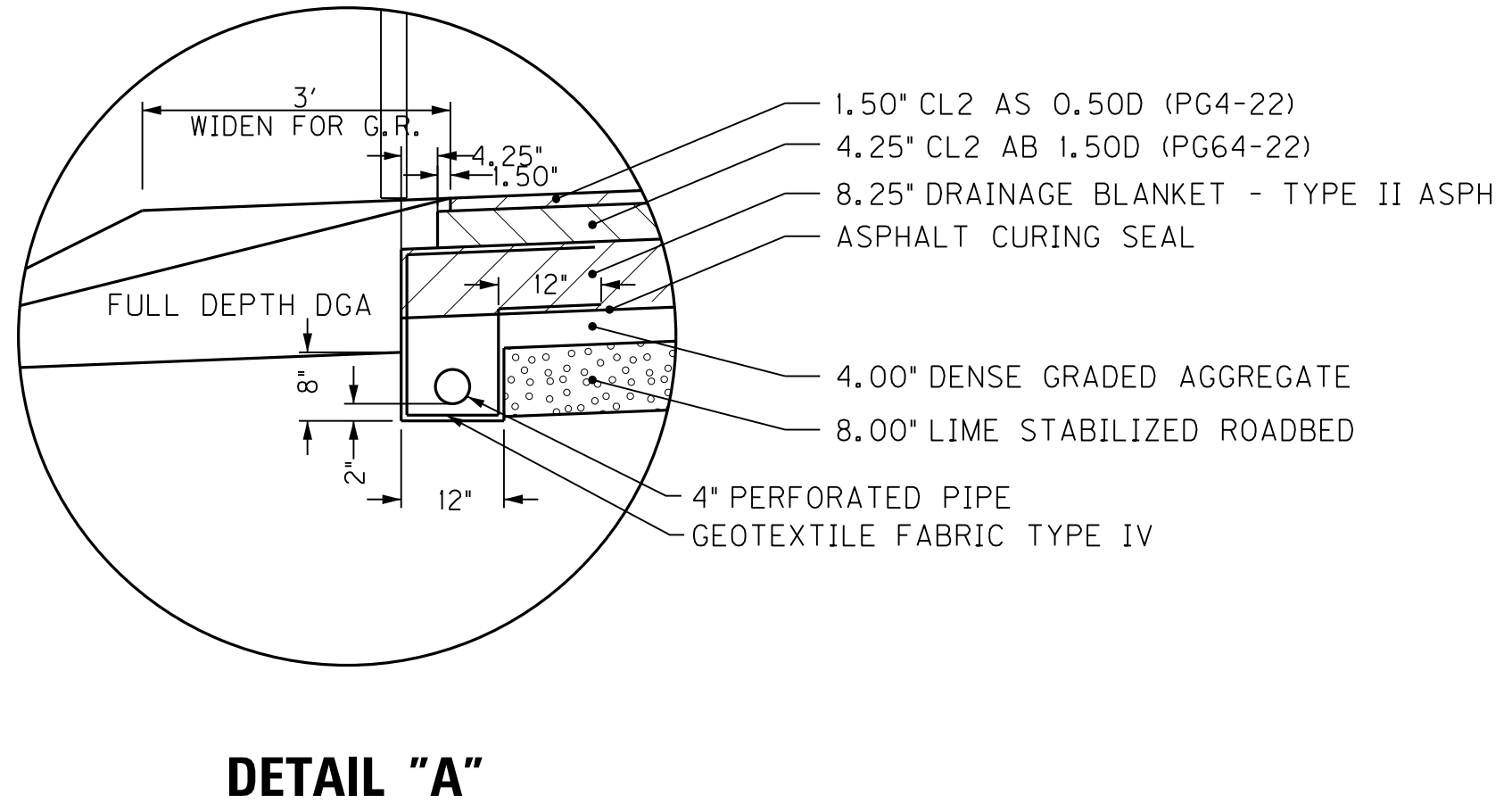
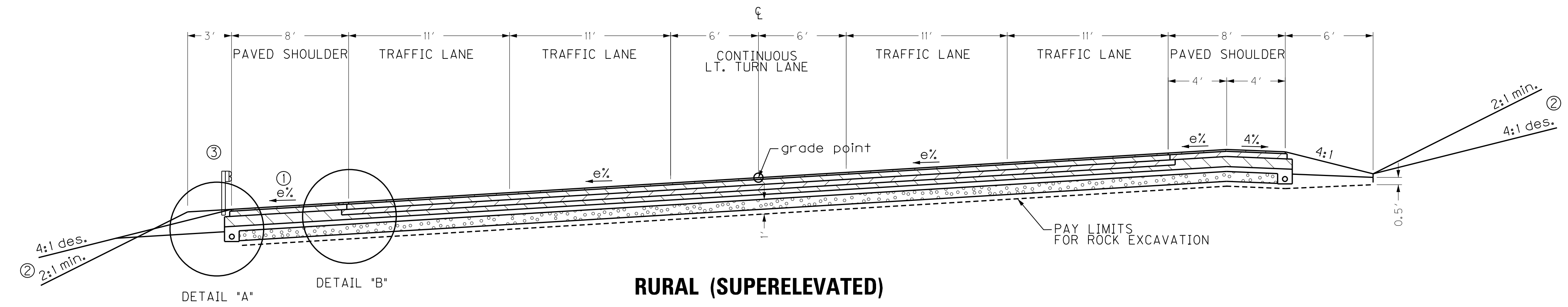
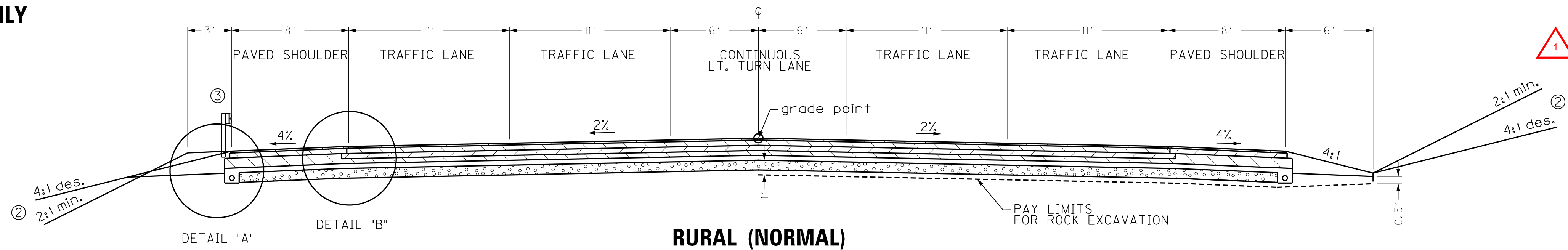
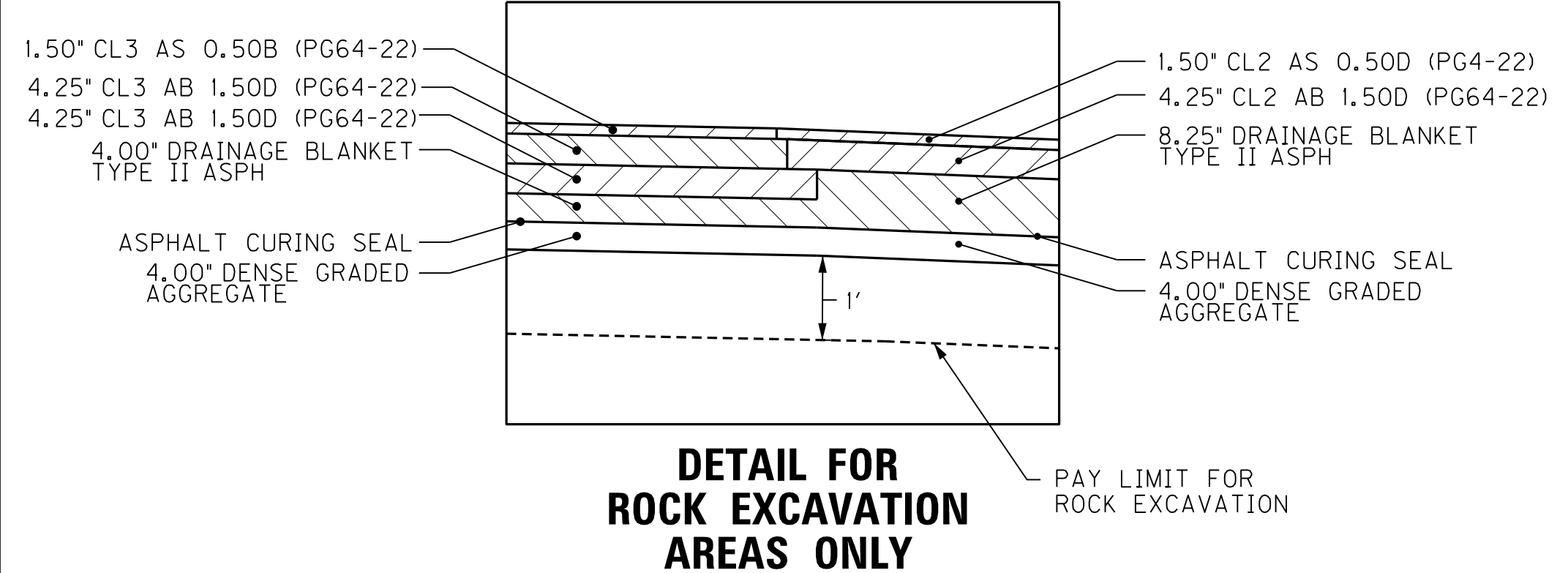
REVISION 09-19-2011

TYPICAL SECTION

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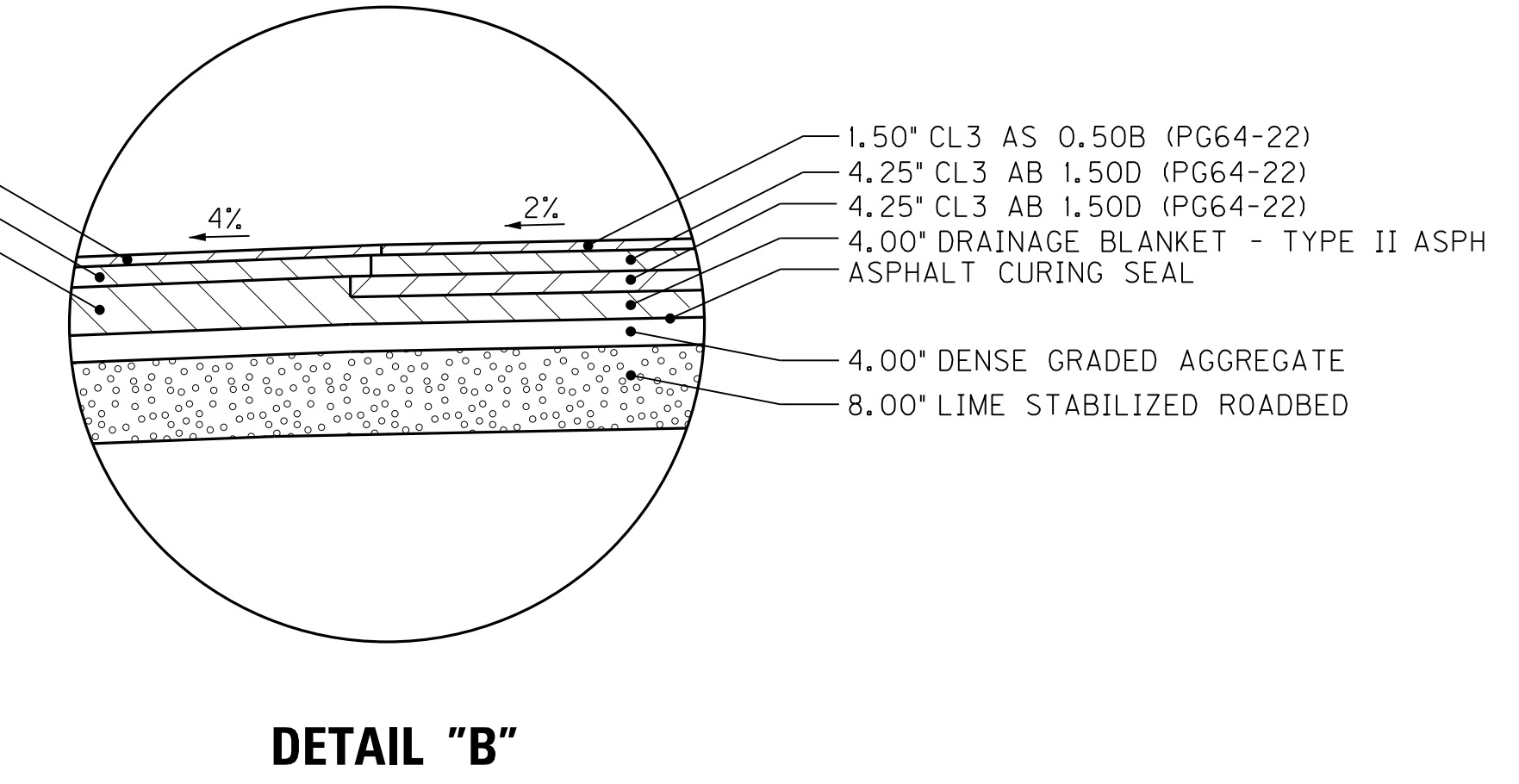
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 GRADE, DRAIN, & SURFACING

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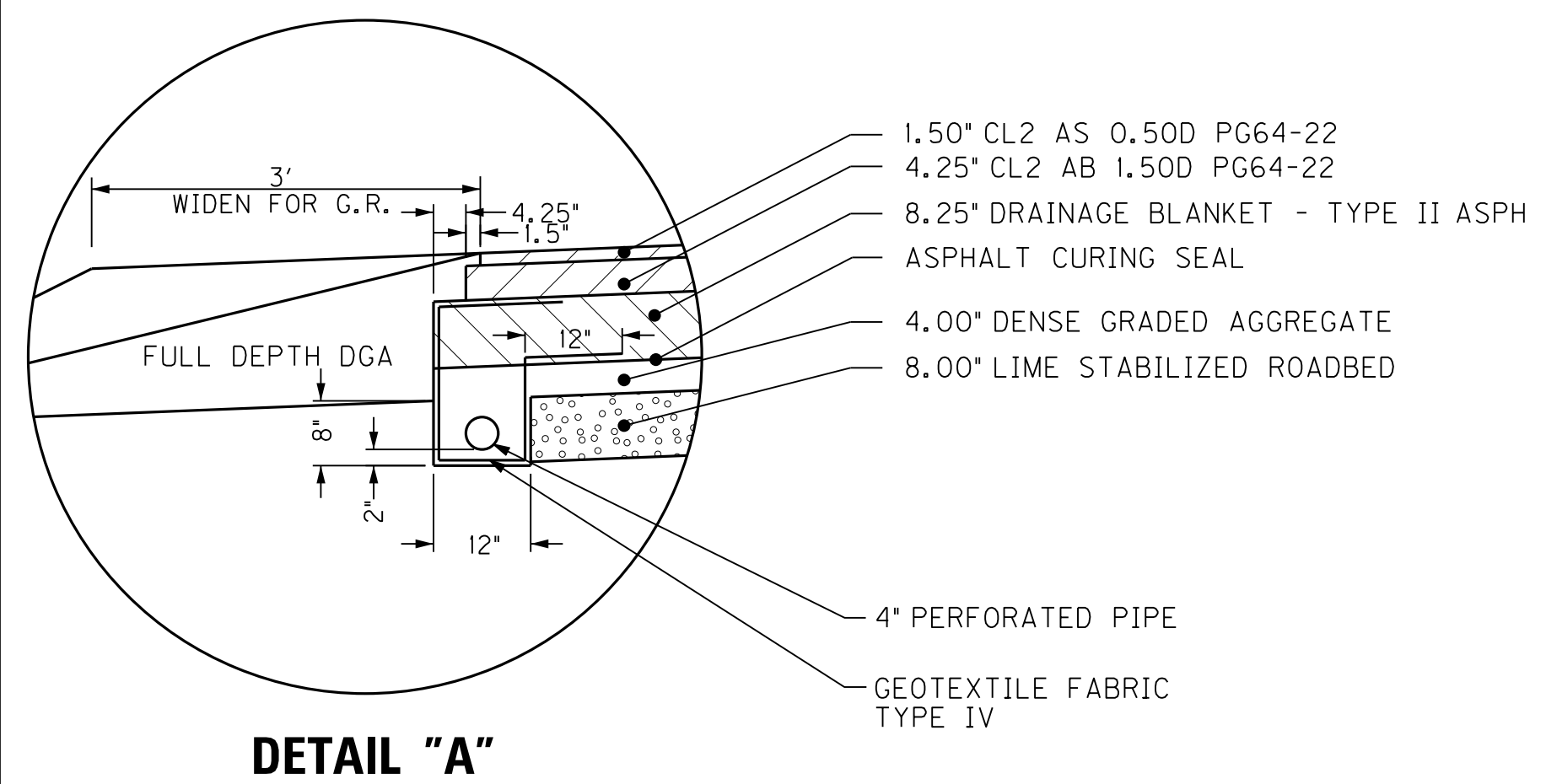
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ASPHALT MATERIAL FOR TACK AS DIRECTED BY ENGINEER (INCIDENTAL)

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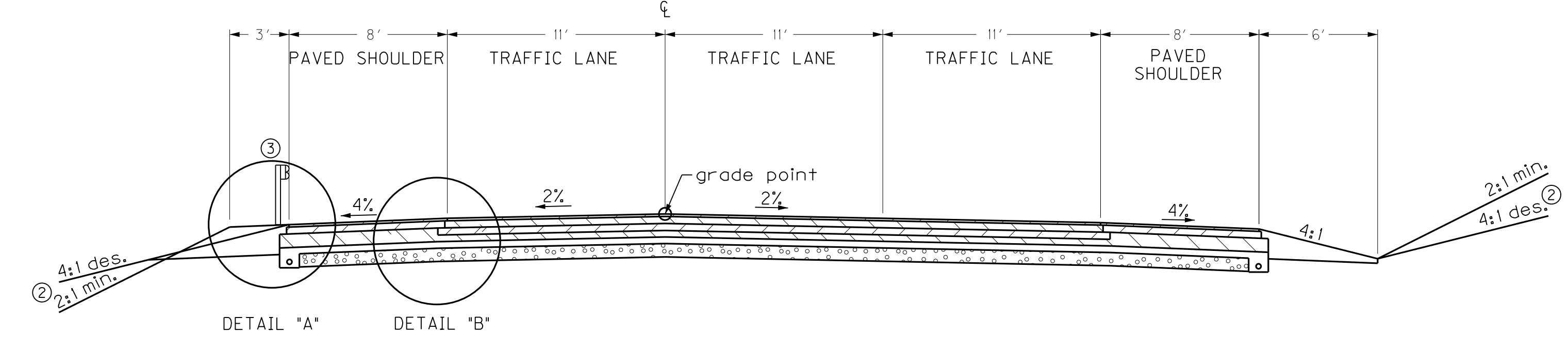
TYPICAL SECTION



DETAIL "A"

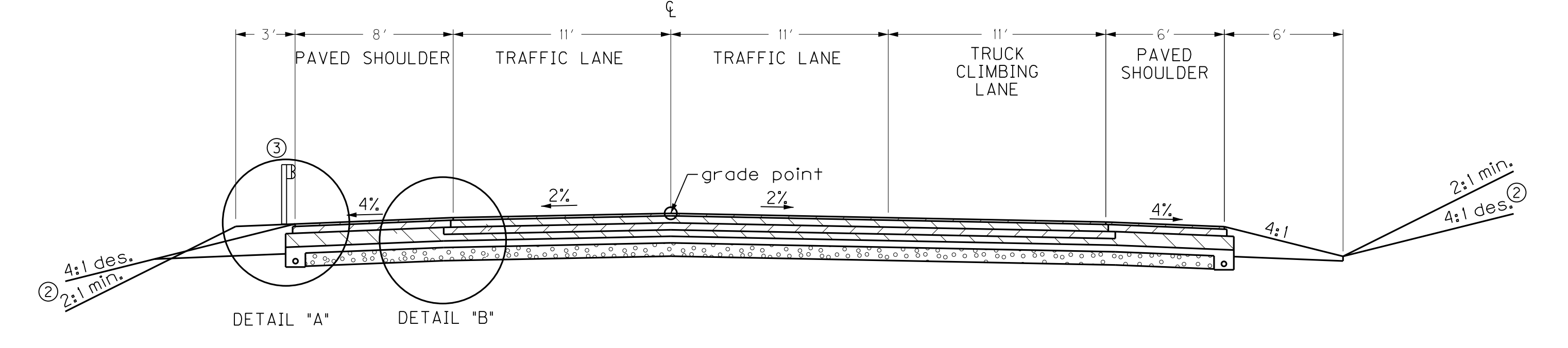
KY 90
STA. 185 + 43.18 TO STA. 200 + 00

DESIGN SPEED = 55 m.p.h.

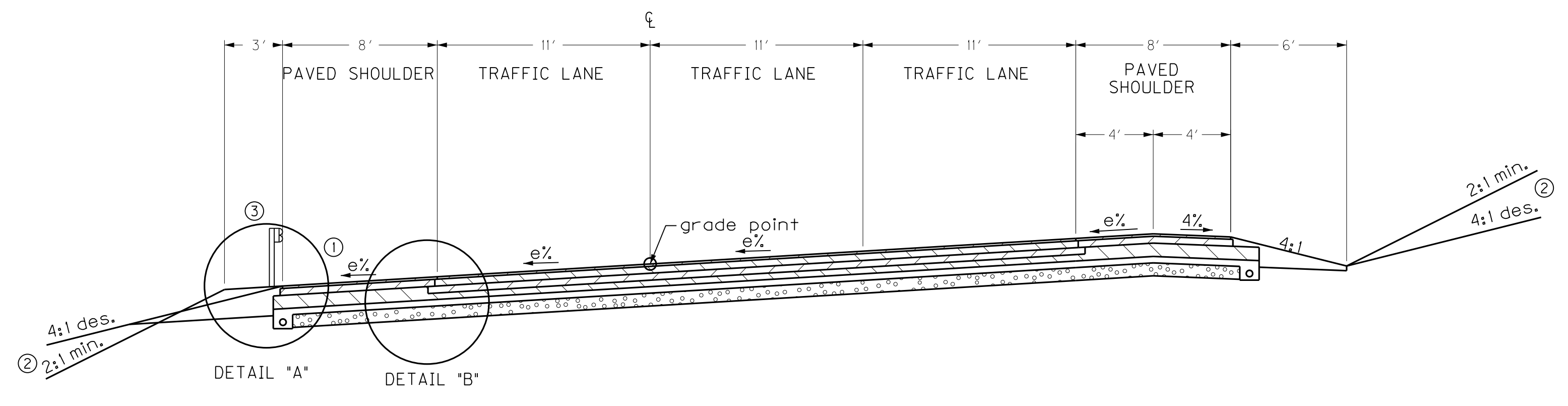


RURAL (NORMAL)

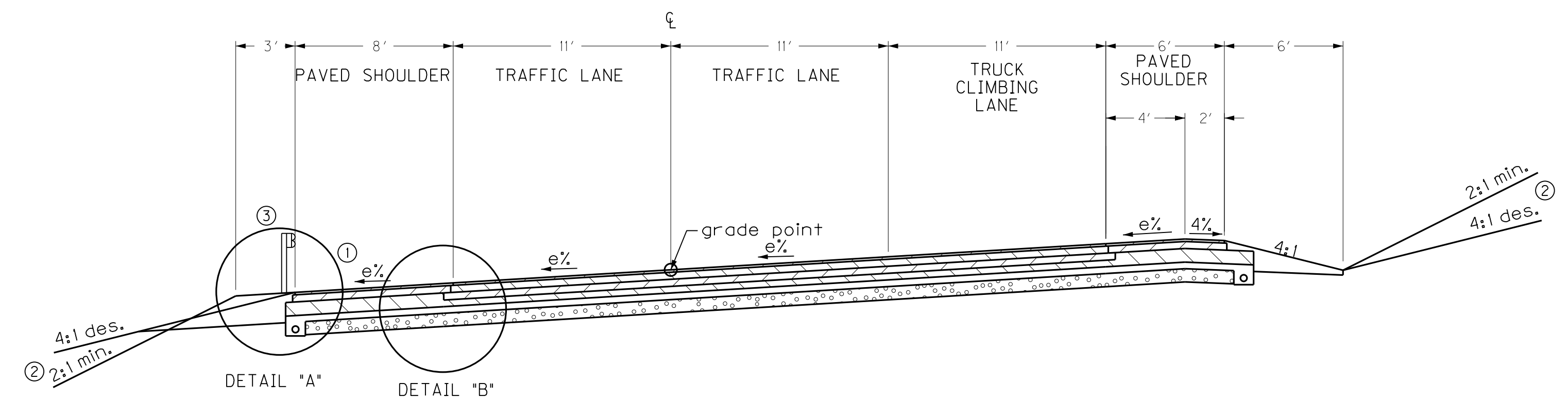
KY 90
STA. 200 + 00 TO STA. 250 + 50



RURAL (NORMAL)



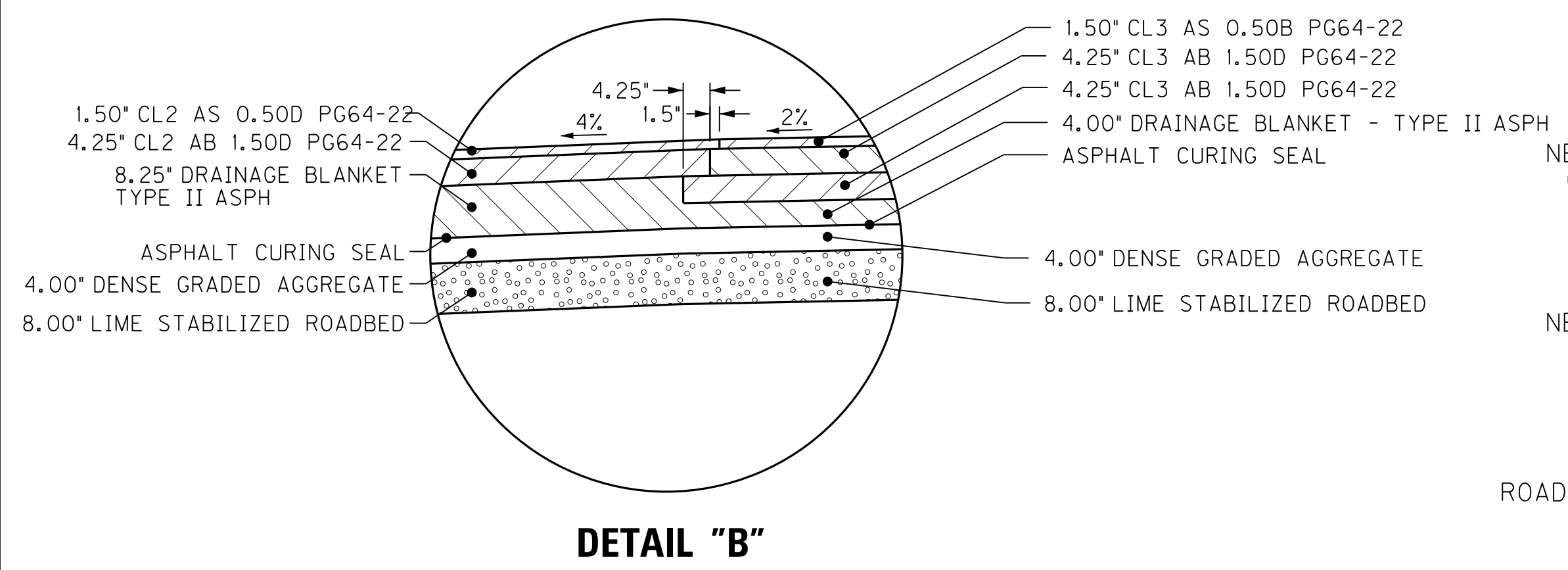
RURAL (SUPERELEVATED)



RURAL (SUPERELEVATED)

PAVEMENT SCHEDULE (NEW CONSTRUCTION)
GRADE, DRAIN, & SURFACING

- USING -



DETAIL "B"

NEW CONSTRUCTION
(TRAFFIC LANES)

- 1.50" CL3 ASPHALT SURFACE 0.50B (PG64-22)
- 8.50" CL3 ASPHALT BASE 1.50D (4.25" + 4.25") (PG64-22)
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- ASPHALT CURING SEAL (APPLY AT A RATE OF 1.6 lb/sq.yd.)
- 4.00" DENSE GRADED AGGREGATE

NEW CONSTRUCTION
(SHOULDERS)

- 1.50" CL2 ASPHALT SURFACE 0.50D (PG64-22)
- 4.25" CL2 ASPHALT BASE 1.50D (PG64-22)
- 8.25" DRAINAGE BLANKET - TY II ASPH
- ASPHALT CURING SEAL (APPLY AT A RATE OF 1.6 lb/sq.yd.)
- 4.00" DENSE GRADED AGGREGATE

ROADBED PREPARATION

- 8" LIME STABILIZED ROADBED ④
- LIME (APPLY AT A RATE OF 6% BY WEIGHT AT 102 LB/CU.FT.)
- ASPHALT CURING SEAL 2.0 LB/SQ. YD.
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ASPHALT SEAL REQUIRED FROM EDGE OF PAVED SHOULDER TO A POINT 2.0 FT. DOWN THE DITCH OR FILL SLOPE TO RETARD VEGETATION GROWTH AND PREVENT EROSION. TWO APPLICATIONS OF THE FOLLOWING ARE REQUIRED:

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- ASPHALT SEAL AGGREGATE 20 LB/SQ. YDS. (SIZE NO. 8 OR 9)

ASPHALT MATERIAL FOR TACK AS DIRECTED BY ENGINEER (INCIDENTAL)

NOTES:

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- ② SEE X-SECTIONS FOR SLOPES OUTSIDE OF SHOULDER
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- ④ CEMENT STABILIZATION MAY BE USED ACCORDING TO ADDITIONAL SPECIAL NOTE 5

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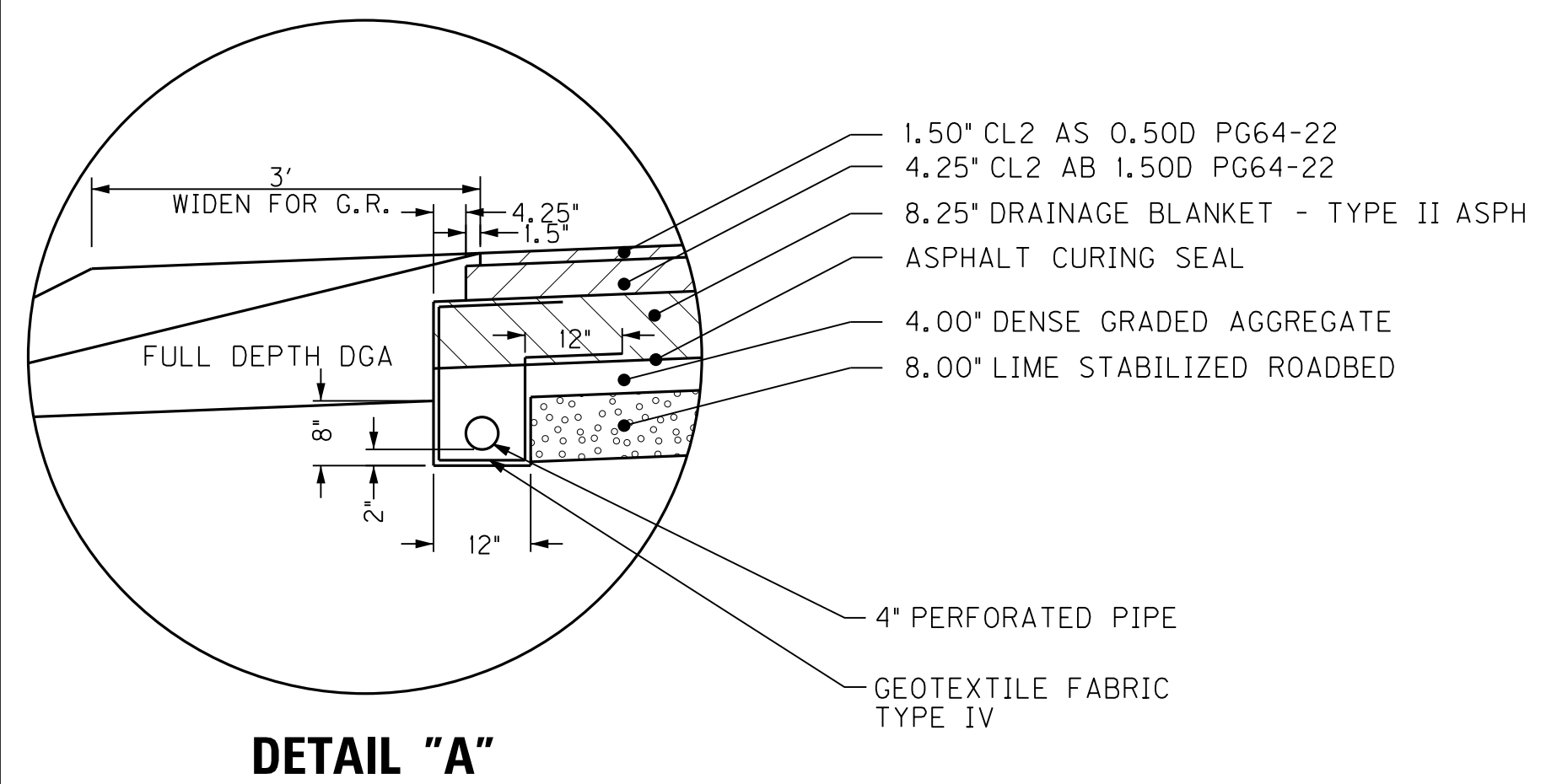
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E-SHEET NAME:

REVISED 09-19-2011

TYPICAL SECTION

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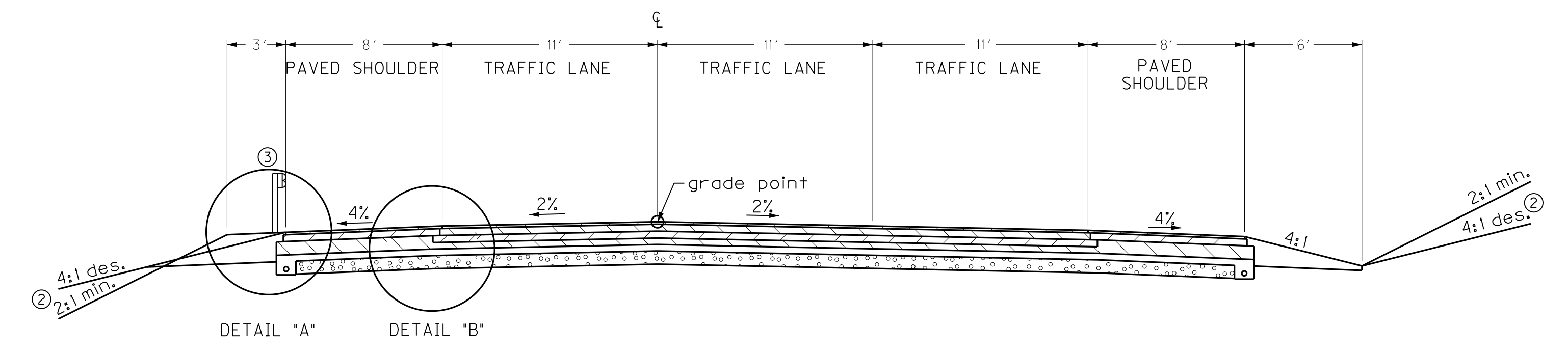


DETAIL "A"

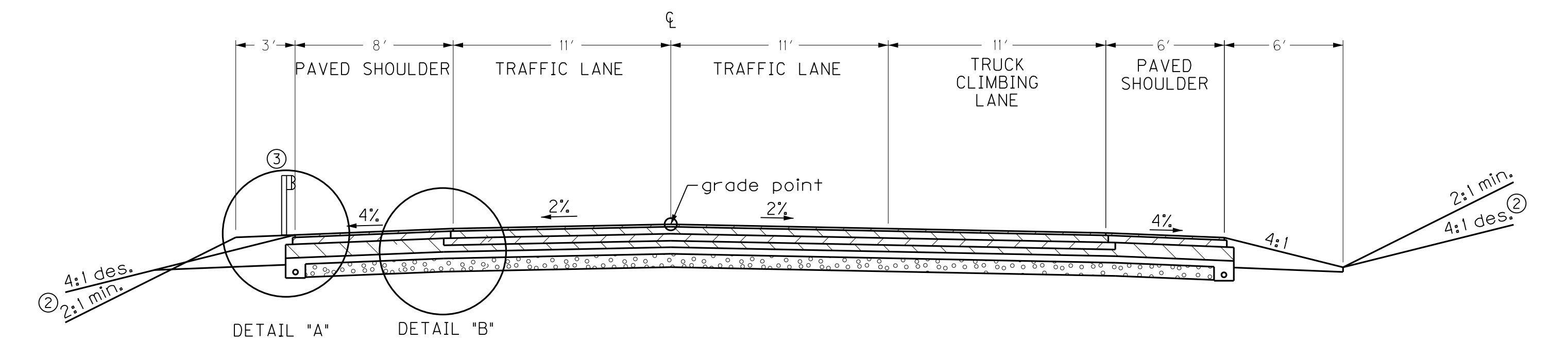
**KY 90
 STA. 185+43.18 TO STA. 200+00**

DESIGN SPEED = 55 m.p.h.

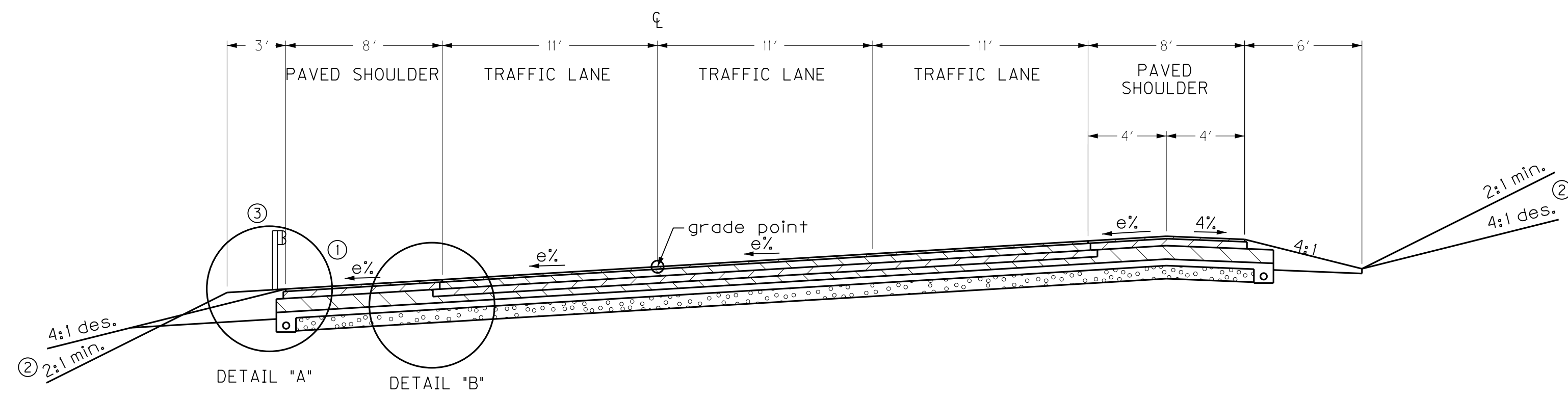
**KY 90
 STA. 200+00 TO STA. 250+50**



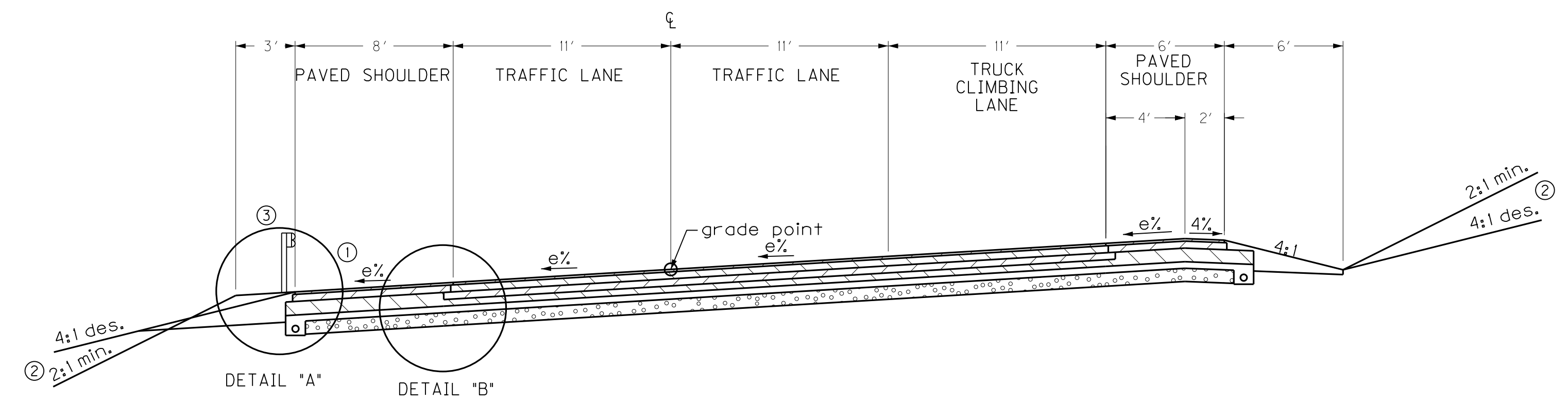
RURAL (NORMAL)



RURAL (NORMAL)



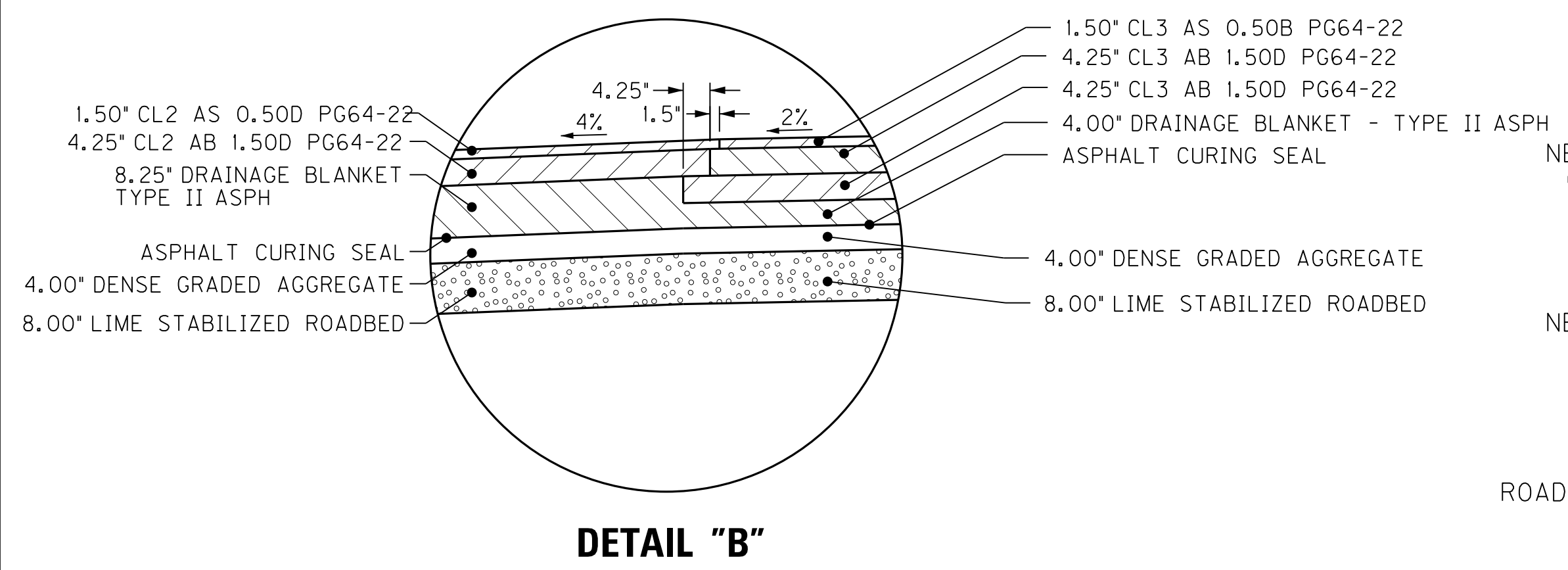
RURAL (SUPERELEVATED)



RURAL (SUPERELEVATED)

**PAVEMENT SCHEDULE (NEW CONSTRUCTION)
 GRADE, DRAIN, & SURFACING**

- USING -



DETAIL "B"

NEW CONSTRUCTION (TRAFFIC LANES)

- 1.50" CL3 ASPHALT SURFACE 0.50B (PG64-22)
- 8.50" CL3 ASPHALT BASE 1.50D (4.25" + 4.25") (PG64-22)
- 4.00" DRAINAGE BLANKET - TY II - ASPH
- ASPHALT CURING SEAL (APPLY AT A RATE OF 1.6 lb/sq.yd.)
- 4.00" DENSE GRADED AGGREGATE

NEW CONSTRUCTION (SHOULDERS)

- 1.50" CL2 ASPHALT SURFACE 0.50D (PG64-22)
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- 8.25" DRAINAGE BLANKET - TY II ASPH
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ROADBED PREPARATION

- 8" LIME STABILIZED ROADBED ④
- LIME (APPLY AT A RATE OF 6% BY WEIGHT AT 102 LB/CU.FT.)
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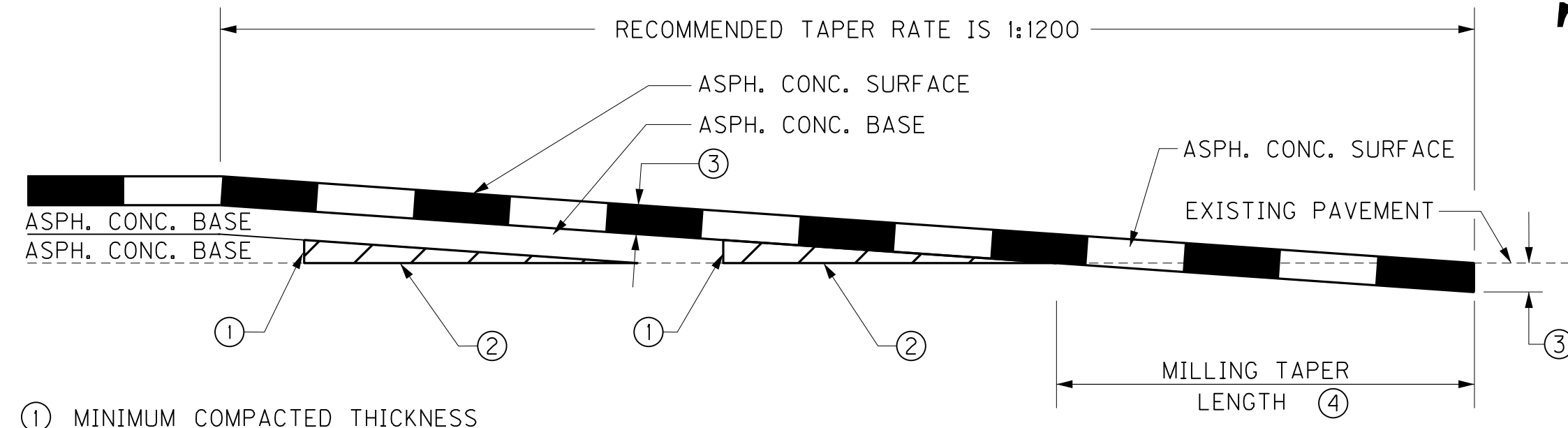
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ASPHALT MATERIAL FOR TACK AS DIRECTED BY ENGINEER (INCIDENTAL)

USER: \$\$\$USER\$\$\$
 DATE: \$\$\$DATE\$\$\$
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 E-SHEET NAME:

TYPICAL SECTION

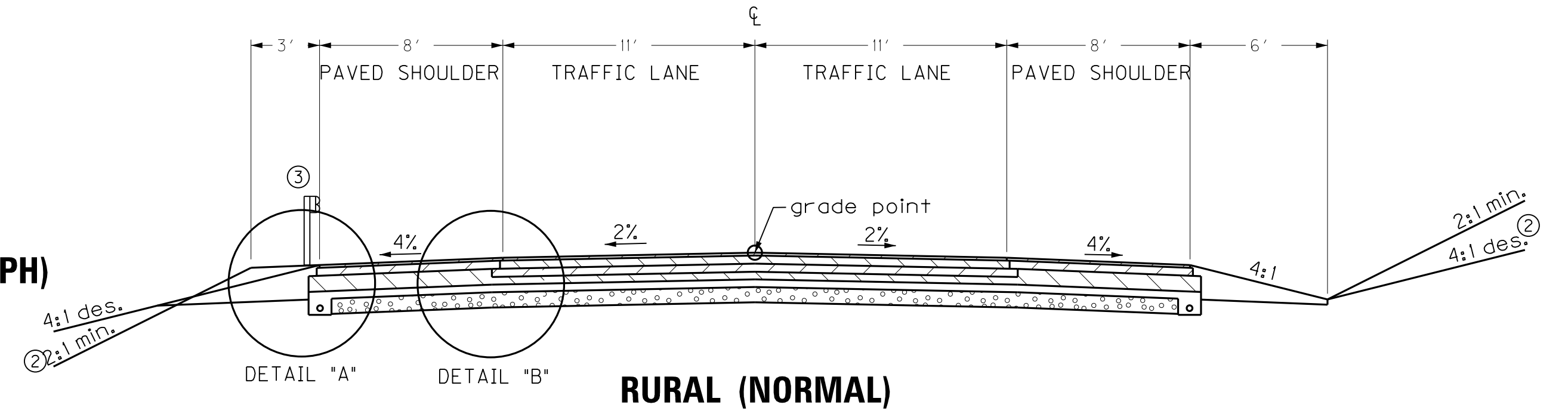
**KY 90
MAINLINE
STA. 250+50 TO STA. 256+25
DESIGN SPEED = 55 m.p.h.**



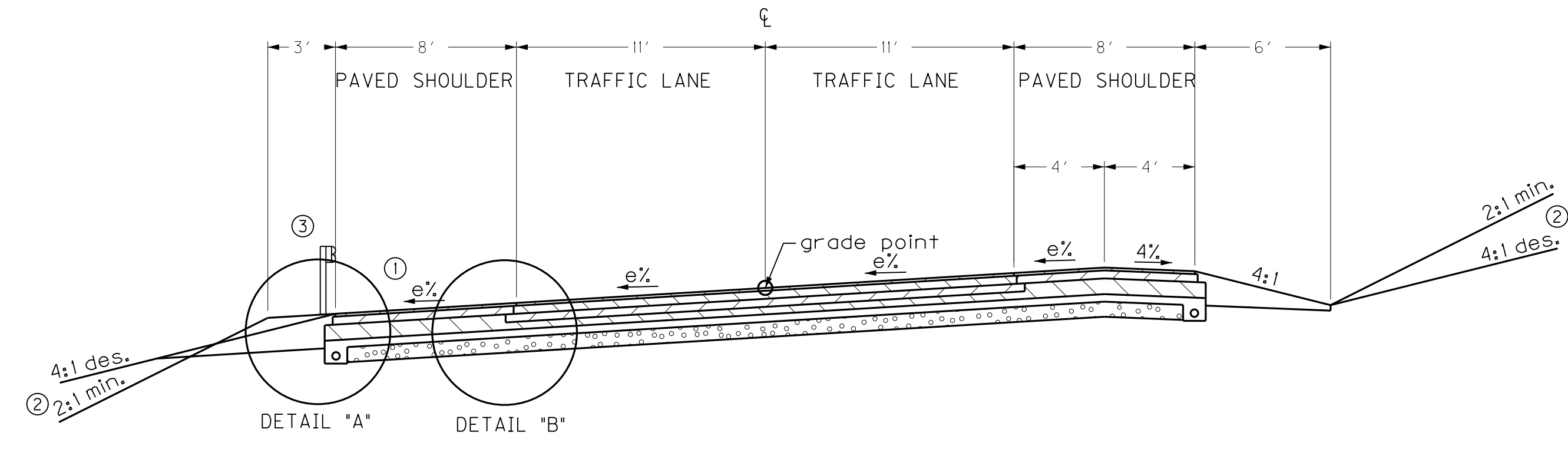
- ① MINIMUM COMPACTED THICKNESS
- ② ASPHALT MIXTURE FOR LEVELING AND WEDGING OR NEXT COURSE OF ASPHALT MIXTURE.
- ③ ASPHALT SURFACE THICKNESS (FULL DEPTH)
- ④ MILL EXISTING PAVEMENT TO RECEIVE ASPHALT SURFACE FULL DEPTH (EDGE KEY).
TAPER LENGTH (ft) = $\frac{t \text{ (in)} \times \text{TAPER RATE}}{12}$

FOR A TAPER RATE OF 1:1200
TAPER LENGTH = 125 FEET WHEN t = 1.25 inches
TAPER LENGTH = 150 FEET WHEN t = 1.50 inches

TAPERING OF OVERLAYS ON HIGH SPEED FACILITIES (≥45 MPH)



RURAL (NORMAL)

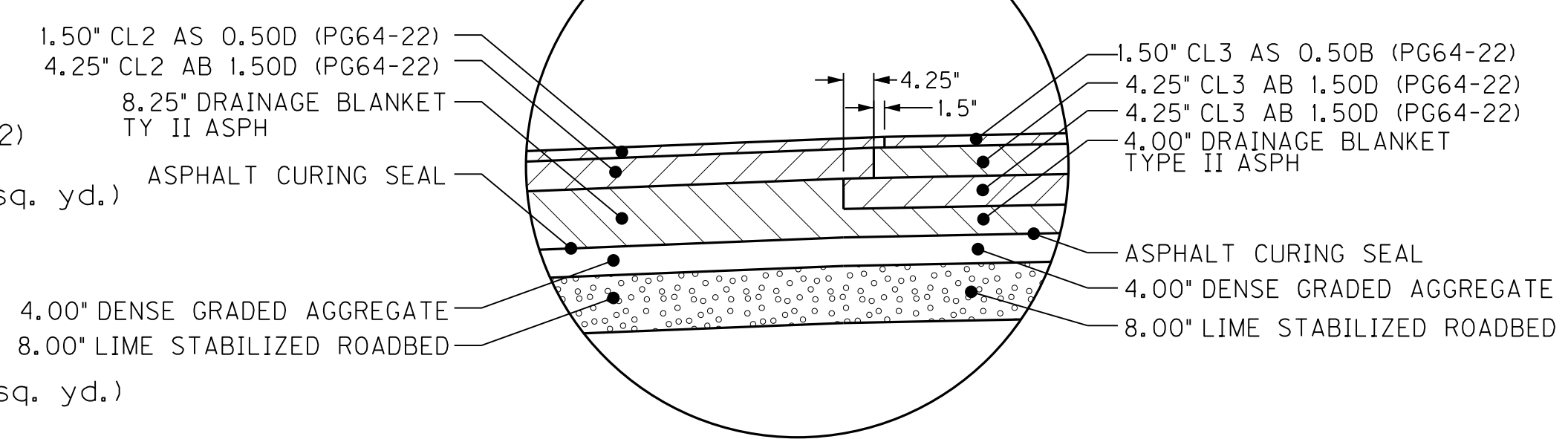


RURAL (SUPERELEVATED)

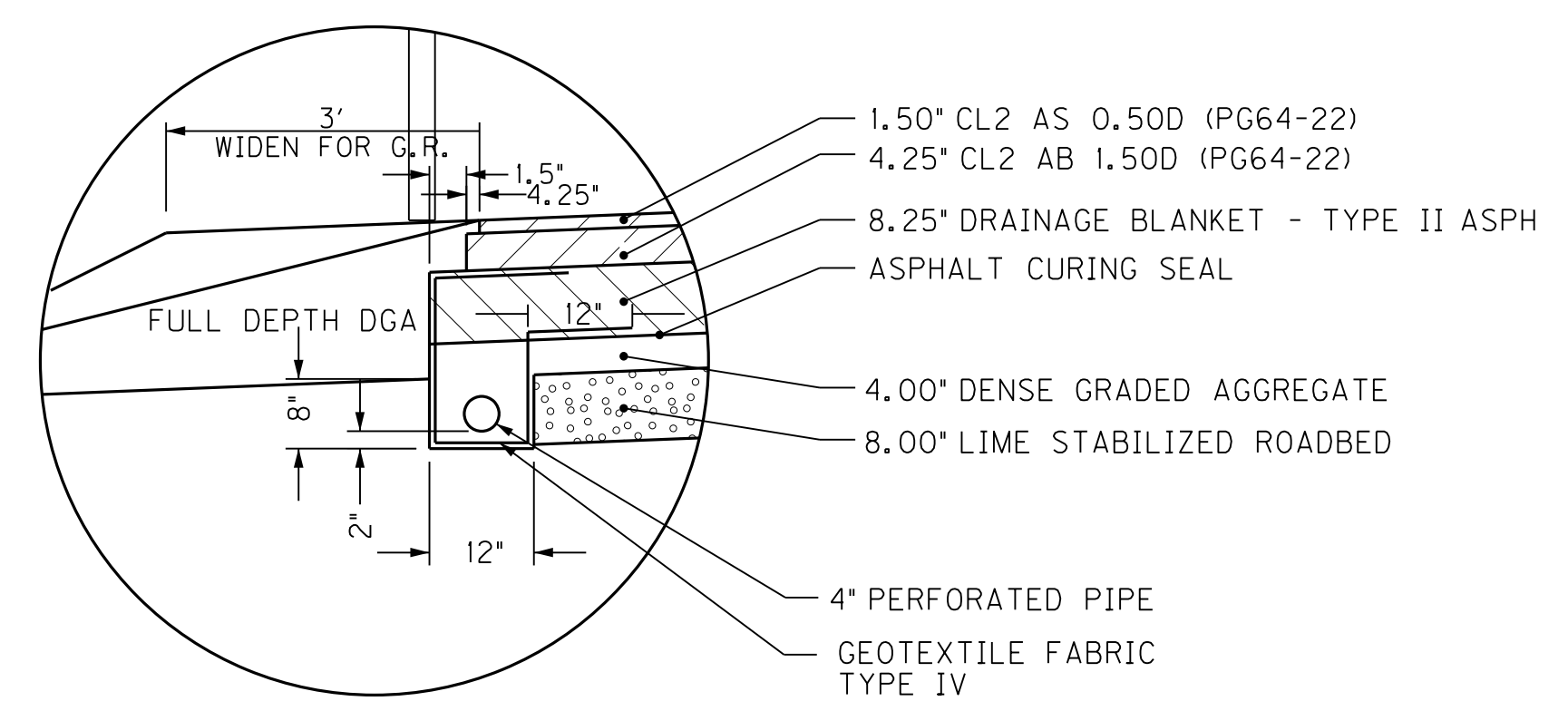
PAVEMENT SCHEDULE (NEW CONSTRUCTION) GRADE, DRAIN, & SURFACING

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DETAIL "B"



DETAIL "A"

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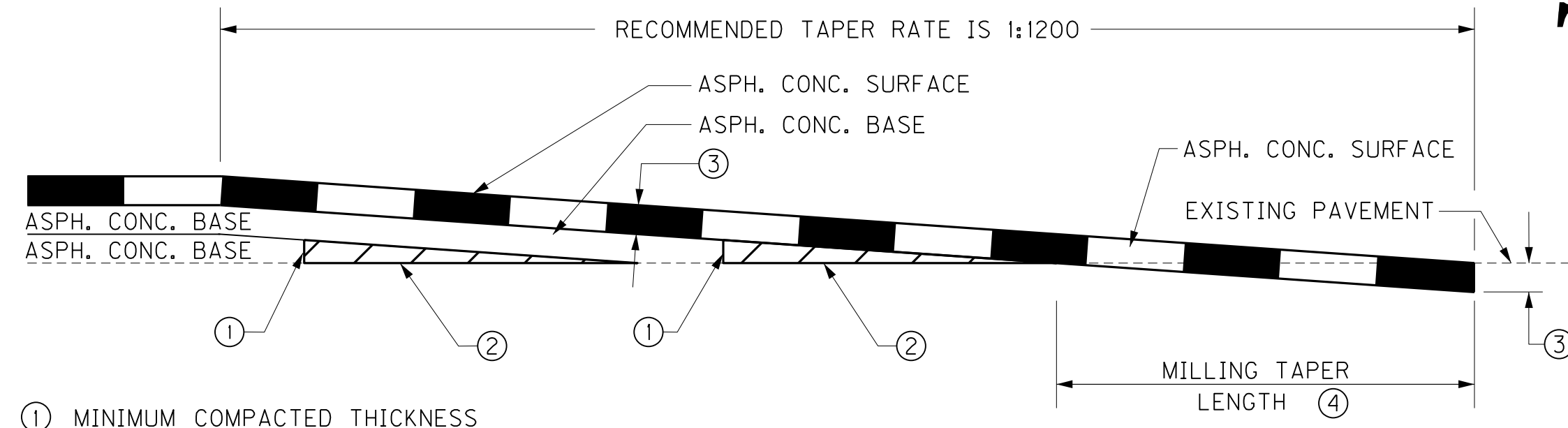
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E-SHEET NAME:

REVISED 09-19-2011

TYPICAL SECTION

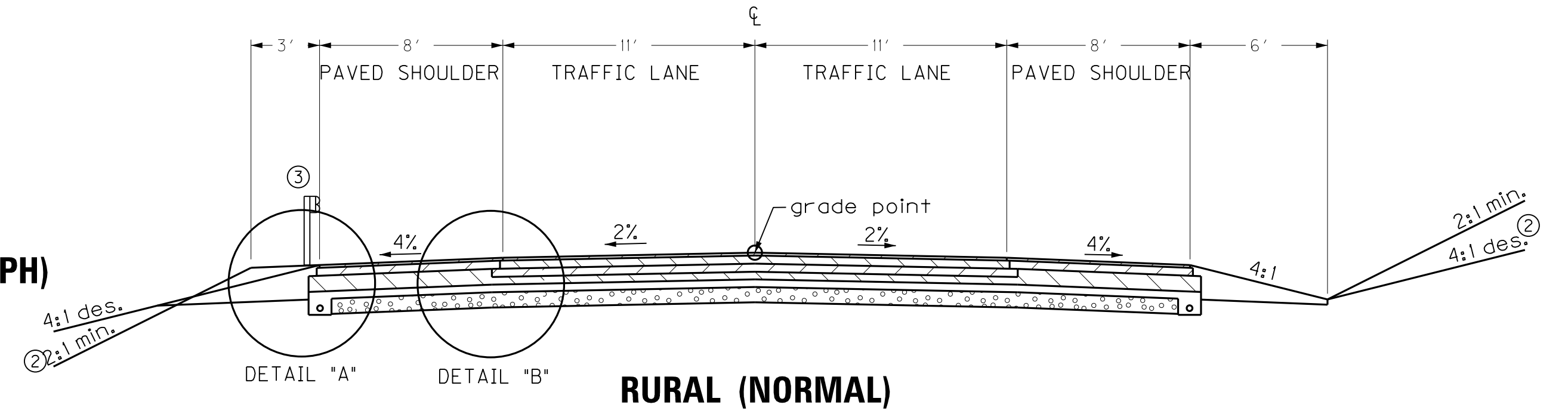
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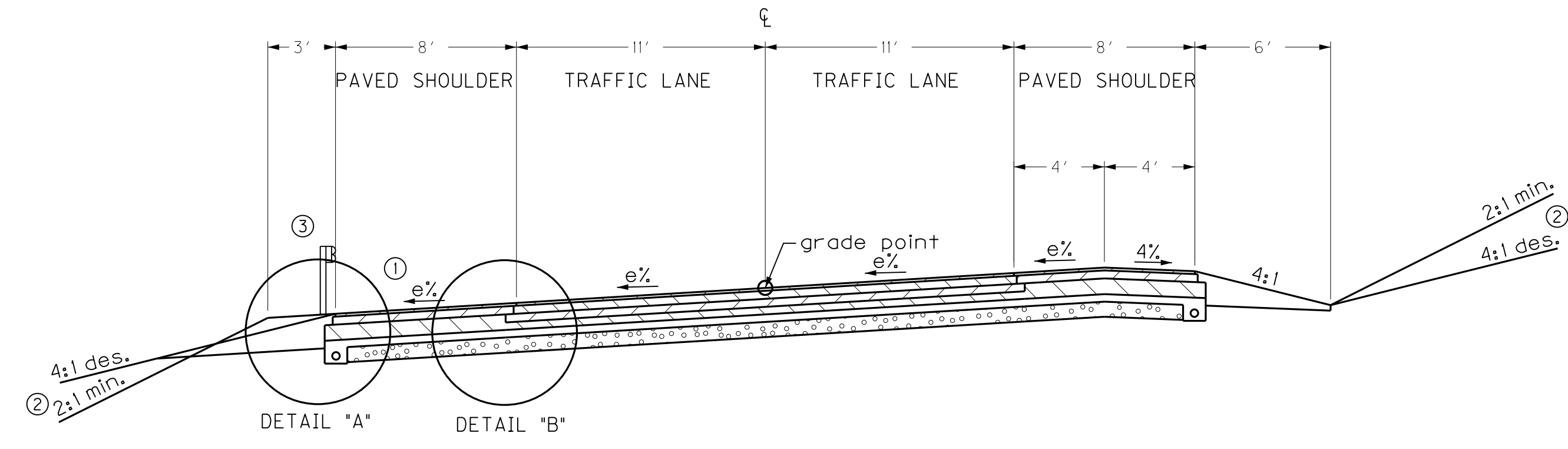
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TAPERING OF OVERLAYS ON HIGH SPEED FACILITIES (≥45 MPH)



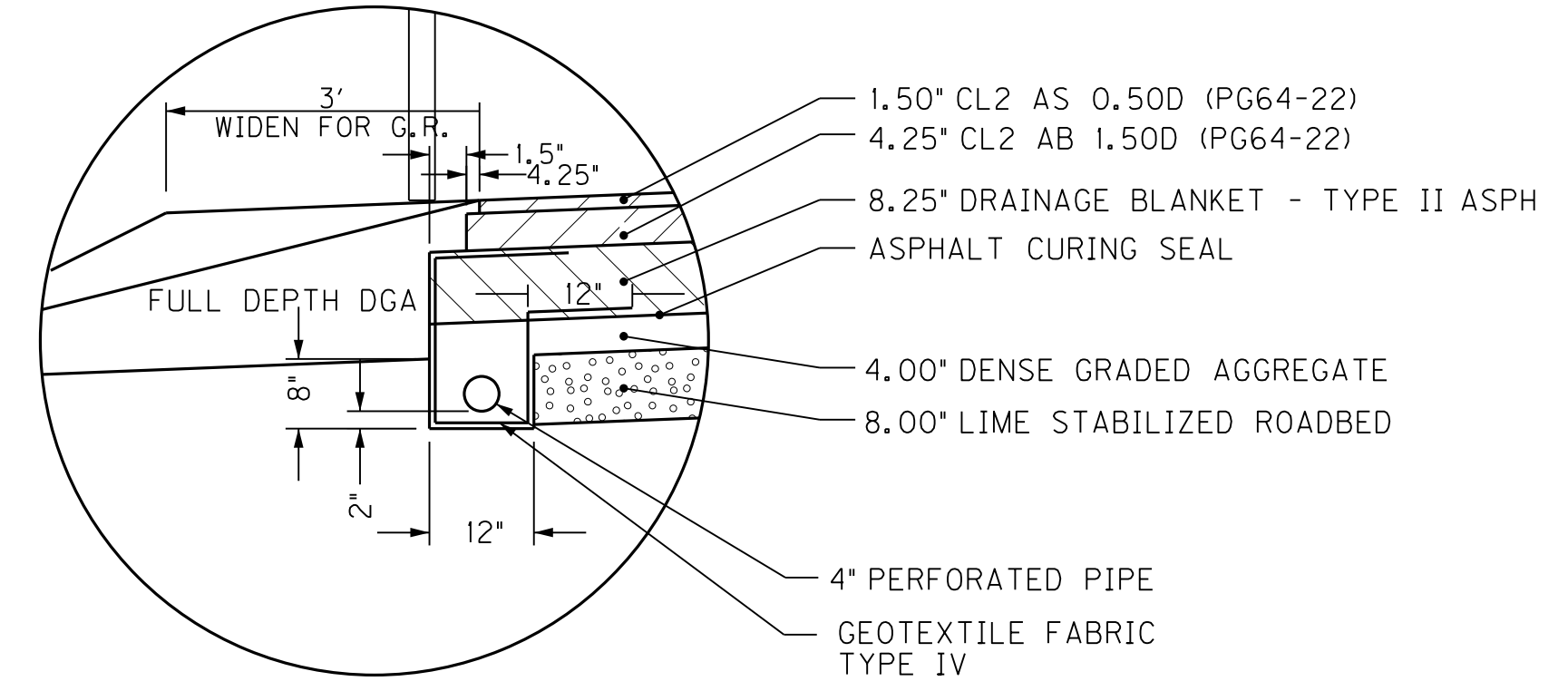
RURAL (NORMAL)



RURAL (SUPERELEVATED)

PAVEMENT SCHEDULE (NEW CONSTRUCTION) GRADE, DRAIN, & SURFACING

- USING -

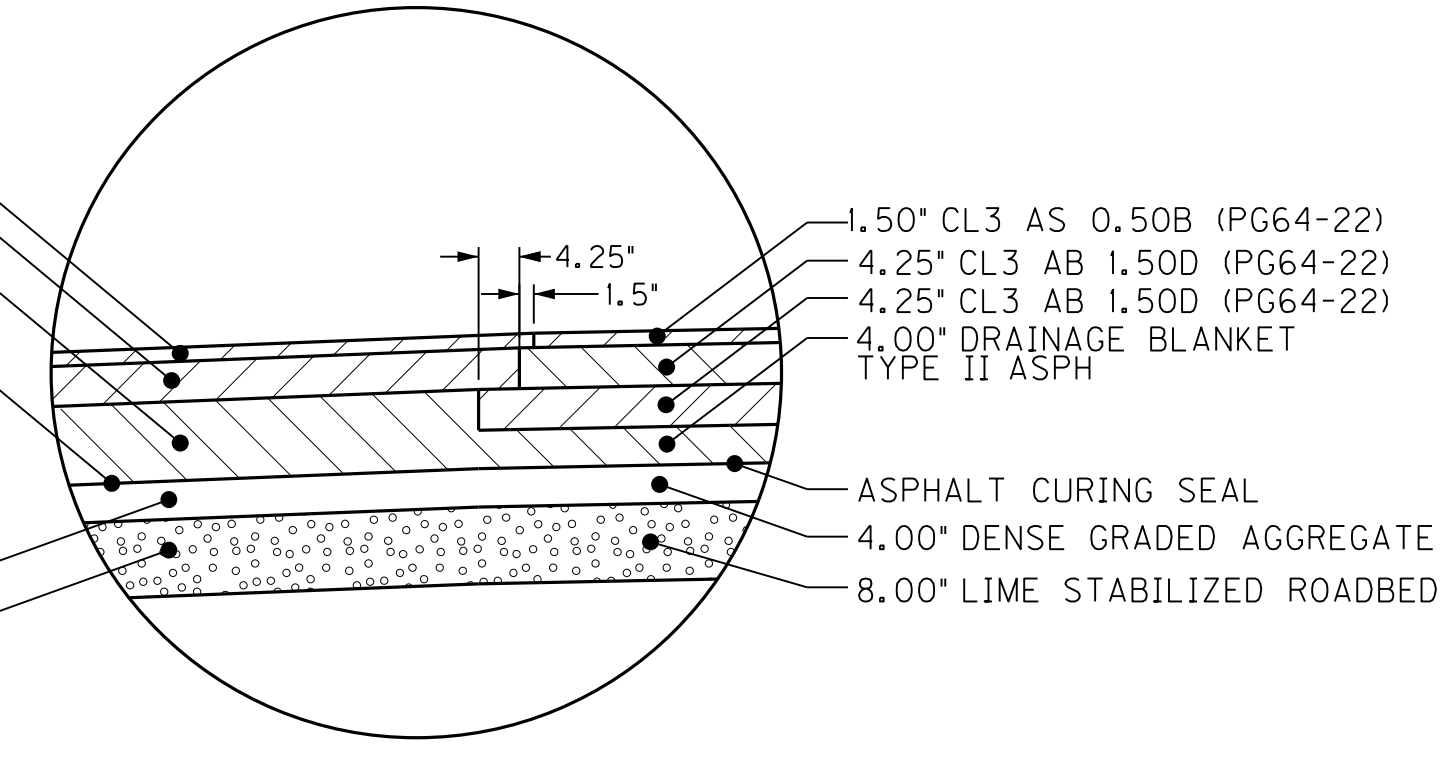


DETAIL "A"

- NEW CONSTRUCTION (TRAFFIC LANES)
- NEW CONSTRUCTION (SHOULDERS)
- ROADBED PREPARATION

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8.50" CL3 ASPHALT BASE 1.50D (4.25" + 4.25") (PG64-22)
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ASPHALT CURING SEAL (APPLY AT A RATE OF 1.6 lb/sq. yd.)
4.00" DENSE GRADED AGGREGATE
- 1.50" CL2 ASPHALT SURFACE 0.50D (PG64-22)
4.25" CL2 ASPHALT BASE 1.50D (PG64-22)
8.25" DRAINAGE BLANKET - TY II ASPH
ASPHALT CURING SEAL (APPLY AT A RATE OF 1.6 lb/sq. yd.)
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- 8" LIME STABILIZED ROADBED ④
LIME (APPLY AT A RATE OF 6% BY WEIGHT AT 102 LB/CU.FT.)
ASPHALT CURING SEAL 2.0 LB/SQ. YD.
SAND FOR BLOTTER 5.0 LB/SQ. YD.

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4.25" CL2 AB 1.50D (PG64-22)
8.25" DRAINAGE BLANKET TY II ASPH
ASPHALT CURING SEAL
- 4.00" DENSE GRADED AGGREGATE
8.00" LIME STABILIZED ROADBED



DETAIL "B"

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TYPICAL SECTIONS

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FILE NAME: \$\$\$designsfiles\$\$\$specifications\$\$\$
E-SHEET NAME:

COUNTY OF	ITEM NO.	SHEET NO.
BARREN	3-108.10	R2R

General Provisions, Special Notes, and Special Provisions

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

DIVISION 100 -- GENERAL PROVISIONS

160 N.G.S. (U.S.G.S.) BENCH MARKS

DO NOT DISTURB N.G.S. (U.S.G.S.) BENCH MARKS IN ANY MANNER UNLESS DIRECTED BY THE ENGINEER.

165 BEFORE YOU DIG

THE CONTRACTOR IS INSTRUCTED TO CALL 1-800-752-6007 TO REACH KY 811, THE ONE-CALL SYSTEM FOR INFORMATION ON THE LOCATION OF EXISTING UNDERGROUND UTILITIES. THE CALL IS TO BE PLACED A MINIMUM OF TWO (2) AND NO MORE THAN TEN (10) BUSINESS DAYS PRIOR TO EXCAVATION. THE CONTRACTOR SHOULD BE AWARE THAT OWNERS OF UNDERGROUND FACILITIES ARE NOT REQUIRED TO BE MEMBERS OF THE KY 811 ONE-CALL BEFORE-U-DIG (BUD) SERVICE. THE CONTRACTOR MUST COORDINATE EXCAVATION WITH THE UTILITY OWNERS INCLUDING THOSE WHOM DO NOT SUBSCRIBE TO KY 811. IT MAY BE NECESSARY FOR THE CONTRACTOR TO CONTACT THE COUNTY COURT CLERK TO DETERMINE WHAT UTILITY COMPANIES HAVE FACILITIES IN THE AREA.

190 DEPARTMENT OF THE ARMY PERMIT AND WATER QUALITY CERTIFICATION APPROVALS

A DEPARTMENT OF THE ARMY (DA) PERMIT, WHICH MAY REQUIRE APPROVAL OF A STATE WATER QUALITY CERTIFICATION FROM THE KENTUCKY DIVISION OF WATER, REGULATES THIS PROJECT AT ONE OR MORE LOCATIONS. PERFORM ALL APPLICABLE WORK IN COMPLIANCE WITH THE CONDITIONS STATED IN THE DA PERMIT AND THE APPROVED WATER QUALITY CERTIFICATION. POST A COPY OF THE DA PERMIT AND THE WATER QUALITY CERTIFICATION IN A CONSPICUOUS PLACE AT THE PROJECT SITE. IF A DA PERMIT OR WATER QUALITY CERTIFICATION APPROVAL IS PENDING, DO NOT WORK IN OR DISTURB THE DESIGNATED AREA(S) UNTIL OBTAINING THE APPROPRIATE APPROVAL(S). REFER TO NOTICE(S) CONTAINED IN THE CONTRACT BID PROPOSAL FOR DESIGNATED AREA(S) WHERE WORK IS PROHIBITED BY THE ABSENCE OF APPROVAL.

DIVISION 200 -- EARTHWORK

275 CEMENT STABILIZED ROADBED

STABILIZE THE TOP 8 INCHES OF THE FINISHED ROADBED WITH LIME IN ACCORDANCE WITH SECTION 208 OF THE STANDARD SPECIFICATIONS. USE SELECTED SOILS, WITH A MINIMUM CBR VALUE OF 4, FOR THIS PURPOSE.

THE LIME CONTENT IS 6 PERCENT BY WEIGHT, AND THE ESTIMATED PLAN QUANTITY USES AN AVERAGE DRY DENSITY OF 102 LBS/CUBIC FEET. HOWEVER, ADJUST THE QUANTITY AFTER CONSTRUCTING THE ROADBED AND SUBMITTING THE SAMPLES FOR TESTING. THIS TAKES APPROXIMATELY TWO WEEKS

DIVISION 400 -- ASPHALT PAVEMENTS

429 WINTER CLOSEDOWN

ANY ASPHALT CONCRETE BASE AND/OR SURFACE COURSE USED AS A RIDING SURFACE EXPOSED TO TRAFFIC DURING WINTER CLOSEDOWN PERIODS SHALL CONTAIN NATURAL, CONGLOMERATE, CRUSHED SLAG, CRUSHED GRANITE OR CRUSHED SANDSTONE SAND IN THE PROPORTION OF NO LESS THAN 25% OF THE TOTAL COMBINED COARSE AND FINE AGGREGATE.

444 ASPHALT PAVEMENT RIDE QUALITY

PAVEMENT RIDEABILITY REQUIREMENTS, IN ACCORDANCE WITH SECTION 410 OF THE STANDARD SPECIFICATIONS, SHALL APPLY ON THIS PROJECT. CATEGORY A SHALL APPLY.

447 COMPACTION OF ASPHALT MIXTURES

WILL ACCEPT THE COMPACTION OF ASPHALT MIXTURES FURNISHED FOR DRIVING LANES AND RAMPS AT ONE INCH (25 MM) OR GREATER ON THIS PROJECT BY OPTION A ACCORDING TO SUBSECTIONS 402 AND 403 OF THE CURRENT STANDARD SPECIFICATIONS. USE JOINT CORES AS DESCRIBED IN SUBSECTION 402.03.02 FOR SURFACE MIXTURES ONLY. WILL ACCEPT THE COMPACTION OF ALL OTHER ASPHALT MIXTURES BY OPTION B.

455 EDGE KEY

THIS WORK INCLUDES CUTTING OUT THE EXISTING ASPHALT SURFACE TO A MINIMUM DEPTH AND WIDTH AS DETAILED ELSEWHERE IN THE PLANS SO THAT THE NEW SURFACE MAY HEEL INTO THE EXISTING SURFACE. THE CONTRACT UNIT PRICE BID LINEAR FOOT (PER METER) FOR "EDGE KEY" INCLUDES ALL NECESSARY MATERIALS, LABOR AND EQUIPMENT NECESSARY TO PERFORM THE WORK AND DISPOSE OF THE REMOVED ASPHALT MATERIAL.

DIVISION 600 -- STRUCTURES AND CONCRETE

650 STANDARD DRAWINGS

STANDARD DRAWINGS ARE NOT ATTACHED TO THESE PLANS. A STANDARD DRAWING BOOK AND THE HEADWALL SUPPLEMENTAL BOOK MAY BE OBTAINED FROM THE POLICY SUPPORT BRANCH OF THE DEPARTMENT OF ADMINISTRATIVE SERVICES IN FRANKFORT, KY. AT (502) 564-3670

DIVISION 700 -- DRAINAGE, TRAFFIC, AND ROADSIDE CONSTRUCTION

730 EXISTING LANDSCAPE MATERIAL

DO NOT DISTURB LANDSCAPE PLANTS UNLESS ABSOLUTELY NECESSARY.

DO NOT DISTURB ANY PLANTS WITHOUT PRIOR APPROVAL OF THE PROJECT ENGINEER.

THE PROJECT ENGINEER SHALL NOTIFY THE DISTRICT AGRONOMIST FOR POSSIBLE DEPARTMENT SALVAGE OF ANY PLANTS NEEDING REMOVAL.

SPECIAL NOTES

SPECIAL NOTE 11 PORTABLE CHANGEABLE MESSAGE SIGN

SPECIAL NOTE 9Y MATERIAL TRANSFER VEHICLE

SPECIAL NOTE 10S BRIDGE DECK RIDEABILITY

SPECIAL NOTE 11F TURF REINFORCEMENT MAT

SPECIAL PROVISIONS

SPECIAL PROVISION 69 EMBANKMENT AT BRIDGE END BENT

ADDITIONAL SPECIAL NOTES:


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THE PRIME CONTRACTOR MUST HAVE A PROJECT SUPERINTENDENT ON THE PROJECT DURING ALL PHASES OF CONSTRUCTION (INCLUDING ALL SUBCONTRACTED WORK). THE SUPERINTENDENT SHALL BE PRESENT FROM THE BEGINNING OF THE PROJECT UNTIL THE PROJECT IS CALLED COMPLETE. IF THE SUPERINTENDENT IS CHANGED DURING THE PROJECT LIQUIDATED DAMAGES WILL BE ASSESSED. FOR EACH INSTANCE THAT THE PROJECT SUPERINTENDENT IS NOT ON THE PROJECT DURING CONSTRUCTION, THE DEPARTMENT WILL ASSESS LIQUIDATED DAMAGES AT THE DAILY CHARGE RATE SET OUT IN SECTION 108.09 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, CURRENT EDITION.
- POTHOLE PATCHING
CONTRARY TO STANDARD SPECIFICATIONS 105.11, THE CONTRACTOR SHALL PERFORM POTHOLE PATCHING ON THIS PROJECT WHEN DIRECTED BY THE ENGINEER. PAY FOR THIS WORK SHALL BE CONSIDERED INCIDENTAL TO OTHER ITEMS OF WORK. POTHOLE PATCHING SHALL BE COMPLETED WITHIN TWO HOURS OF NOTIFICATION FROM THE ENGINEER. THE CONTRACTOR WILL BE PENALIZED THREE THOUSAND DOLLARS (\$3,000.00) FOR EACH INCIDENCE OF NON-COMPLIANCE WHEN POTHOLE PATCHING IS NOT COMPLETED WITHIN TWO HOURS OF NOTIFICATION.
- TREE CUTTING RESTRICTION WILL BE ENFORCED. TREES MAY ONLY BE CUT BETWEEN OCTOBER 15TH AND MARCH 31ST.
- ALL LONGITUDINAL PIPE DRAINAGE SYSTEMS FOR THE PAVEMENT DRAINAGE BLANKET SHALL BE OUTLETED TO A HEADWALL, MEDIAN BOX INLET, DITCH BOX, OR CURB BOX INLET. OUTLETS SHALL BE IN A FULL SECTION WHENEVER POSSIBLE. OUTLET SPACING SHALL NOT EXCEED 500 FEET EXCEPT FOR GRADES 1% OR LESS, THEN THE SPACING OF OUTLETS SHALL NOT EXCEED 250 FEET. ALL SAGS SHALL HAVE AN OUTLET. THE DESIGN ENGINEER SHALL SPOT THESE ON THE PLANS OR IN THE PROPOSAL.
- CEMENT STABILIZATION MAY BE USED IF THE SOIL FROM CUT AT APPROXIMATE STATION 146+00 TO 156+00 IS NOT PLACED IN THE SUBGRADE, AND IF THE SOIL (HIGH PI) EXPOSED AT SUBGRADE ELEVATION IS EXCAVATED AND REPLACED WITH LOWER PI SOIL. PAYMENT FOR CEMENT STABILIZATION WILL BE A DIRECT SWAP WITH LIME STABILIZATION, WITH NO ADDITIONAL PAYMENT FOR REPLACING SOIL.

USER: \$USER\$\$\$\$
 DATE: \$DATE\$\$\$\$
 \$FILE:NAME#file\$specification\$\$\$\$
 E-SHEET NAME:

GENERAL PROVISIONS, SPECIAL NOTES,
AND SPECIAL PROVISIONS

COUNTY OF	ITEM NO.	SHEET NO.
BARREN	3-108.10	R2R

General Provisions, Special Notes, and Special Provisions

 REVISED 09-19-2011

PREPARED BY _____ DATE _____
 CHECKED BY _____ DATE _____
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USER: \$USER\$\$\$\$
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 E-SHEET NAME:

GENERAL PROVISIONS, SPECIAL NOTES,
AND SPECIAL PROVISIONS

CONTRACT ID: 111332
COUNTY: BARREN
PROPOSAL: FD04 SPP 005 0090 011-014

PAGE: 1
LETTING: 09/23/11
CALL NO: 313

LINE NO	ITEM	DESCRIPTION	APPROXIMATE QUANTITY	UNIT	UNIT PRICE	AMOUNT
SECTION 0001 PAVING						
0010	00001	DGA BASE	41,225.000	TON		
0020	00003	CRUSHED STONE BASE	4,314.000	TON		
0030	00013	LIME STABILIZED ROADBED	81,626.000	SQYD		
0040	00014	LIME	104.000	TON		
0050	00018	DRAINAGE BLANKET-TYPE II-ASPH	20,408.000	TON		
0060	00020	TRAFFIC BOUND BASE	545.000	TON		
0080	00100	ASPHALT SEAL AGGREGATE	117.000	TON		
0090	00203	CL2 ASPH BASE 1.50D PG64-22	4,851.000	TON		
0100	00205	CL3 ASPH BASE 1.50D PG64-22	29,381.000	TON		
0110	00212	CL2 ASPH BASE 1.00D PG64-22	3,262.000	TON		
0120	00214	CL3 ASPH BASE 1.00D PG64-22	7,079.000	TON		
0130	00291	EMULSIFIED ASPHALT RS-2	14.000	TON		
0140	00309	CL2 ASPH SURF 0.50D PG64-22	3,448.000	TON		
0150	00324	CL3 ASPH SURF 0.50B PG64-22	6,255.000	TON		
0160	00358	ASPHALT CURING SEAL	148.000	TON		
0170	02084	JPC PAVEMENT-8 IN	25.000	SQYD		
0180	02702	SAND FOR BLOTTER	205.000	TON		
SECTION 0002 ROADWAY						
0190	00021	DRAINAGE BLANKET-EMBANKMENT	14,260.000	CUYD		
0200	00078	CRUSHED AGGREGATE SIZE NO 2	7,043.000	TON		

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LINE NO	ITEM	DESCRIPTION	APPROXIMATE QUANTITY	UNIT	UNIT PRICE	AMOUNT
0210	00190	LEVELING & WEDGING PG64-22	527.000	TON		
0220	00440	ENTRANCE PIPE-15 IN	423.000	LF		
0230	00441	ENTRANCE PIPE-18 IN	141.000	LF		
0240	00443	ENTRANCE PIPE-24 IN	93.000	LF		
0250	00445	ENTRANCE PIPE-30 IN	122.000	LF		
0260	00461	CULVERT PIPE-15 IN	30.000	LF		
0270	00462	CULVERT PIPE-18 IN	333.000	LF		
0280	00464	CULVERT PIPE-24 IN	279.000	LF		
0290	00466	CULVERT PIPE-30 IN	658.000	LF		
0300	00468	CULVERT PIPE-36 IN	121.000	LF		
0310	00469	CULVERT PIPE-42 IN	77.000	LF		
0320	00471	CULVERT PIPE-54 IN	95.000	LF		
0330	00521	STORM SEWER PIPE-15 IN	1,816.000	LF		
0340	00522	STORM SEWER PIPE-18 IN	99.000	LF		
0350	01000	PERFORATED PIPE-4 IN	29,248.000	LF		
0360	01010	NON-PERFORATED PIPE-4 IN	686.000	LF		
0370	01015	INSPECT & CERTIFY EDGE DRAIN SYSTEM	(1.00)	LS		
0380	01020	PERF PIPE HEADWALL TY 1-4 IN	41.000	EACH		
0390	01024	PERF PIPE HEADWALL TY 2-4 IN	1.000	EACH		
0400	01028	PERF PIPE HEADWALL TY 3-4 IN	60.000	EACH		
0410	01310	REMOVE PIPE	202.000	LF		

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LINE NO	ITEM	DESCRIPTION	APPROXIMATE QUANTITY	UNIT	UNIT PRICE	AMOUNT
0420	01432	SLOPED BOX OUTLET TYPE 1-15 IN	3.000	EACH		
0430	01450	S & F BOX INLET-OUTLET-18 IN	2.000	EACH		
0440	01451	S & F BOX INLET-OUTLET-24 IN	1.000	EACH		
0450	01452	S & F BOX INLET-OUTLET-30 IN	3.000	EACH		
0460	01453	S & F BOX INLET-OUTLET-36 IN	2.000	EACH		
0470	01456	CURB BOX INLET TYPE A	16.000	EACH		
0480	01480	CURB BOX INLET TYPE B	1.000	EACH		
0490	01493	DROP BOX INLET TYPE 2	3.000	EACH		
0500	01496	DROP BOX INLET TYPE 3	1.000	EACH		
0510	01511	DROP BOX INLET TYPE 5D	1.000	EACH		
0520	01655	REMOVE JUNCTION BOX	1.000	EACH		
0530	01660	SPRING BOX INLET TYPE A	1.000	EACH		
0540	01670	SPRING BOX INLET TYPE B	1.000	EACH		
0550	01740	CORED HOLE DRAINAGE BOX CON-4 IN	18.000	EACH		
0560	01810	STANDARD CURB AND GUTTER	2,976.000	LF		
0570	01845	ISLAND INTEGRAL CURB	42.250	LF		
0580	01875	STANDARD HEADER CURB	145.000	LF		
0590	01897	ASPHALT WEDGE CURB	65.000	LF		
0600	01982	DELINEATOR FOR GUARDRAIL-WHITE	31.000	EACH		
0610	02014	BARRICADE-TYPE III	24.000	EACH		
0620	02091	REMOVE PAVEMENT	6,351.000	SQYD		

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LINE NO	ITEM	DESCRIPTION	APPROXIMATE QUANTITY	UNIT	UNIT PRICE	AMOUNT
0630	02101	CEM CONC ENT PAVEMENT-8 IN	1,566.000	SQYD		
0640	02200	ROADWAY EXCAVATION	434,142.000	CUYD		
0650	02203	STRUCTURE EXCAV-UNCLASSIFIED	886.000	CUYD		
0660	02223	GRANULAR EMBANKMENT	22,833.000	CUYD		
0670	02242	WATER	535.000	MGAL		
0680	02351	GUARDRAIL-STEEL W BEAM-S FACE	10,450.000	LF		
0690	02360	GUARDRAIL TERMINAL SECTION NO 1	16.000	EACH		
0700	02363	GUARDRAIL CONNECTOR TO BRIDGE END TY A	4.000	EACH		
0710	02367	GUARDRAIL END TREATMENT TYPE 1	1.000	EACH		
0720	02371	GUARDRAIL END TREATMENT TYPE 7	12.000	EACH		
0730	02373	GUARDRAIL END TREATMENT TYPE 3	3.000	EACH		
0740	02381	REMOVE GUARDRAIL	1,327.000	LF		
0750	02391	GUARDRAIL END TREATMENT TYPE 4A	10.000	EACH		
0760	02397	TEMP GUARDRAIL	1,237.500	LF		
0770	02429	RIGHT-OF-WAY MONUMENT TYPE 1	115.000	EACH		
0780	02432	WITNESS POST	10.000	EACH		
0790	02469	CLEAN SINKHOLE	2.000	EACH		
0800	02483	CHANNEL LINING CLASS II	211.000	TON		
0810	02484	CHANNEL LINING CLASS III	27.000	TON		
0820	02545	CLEARING AND GRUBBING (72.6 ACRES)	(1.00)	LS		
0830	02555	CONCRETE-CLASS B	303.000	CUYD		

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0840	02562	SIGNS	1,487.000	SQFT		
0850	02585	EDGE KEY	322.000	LF		
0860	02598	FABRIC-GEOTEXTILE TYPE III	572.000	SQYD		
0870	02599	FABRIC-GEOTEXTILE TYPE IV	193,647.000	SQYD		
0880	02600	FABRIC GEOTEXTILE TY IV FOR PIPE	7,191.000	SQYD	2.00	14,382.00
0890	02611	HANDRAIL-TYPE A-1	340.000	LF		
0900	02650	MAINTAIN & CONTROL TRAFFIC	(1.00)	LS		
0910	02651	DIVERSIONS (BY-PASS DETOURS)	(1.00)	LS		
0920	02653	LANE CLOSURE	2.000	EACH		
0930	02671	PORTABLE CHANGEABLE MESSAGE SIGN	7.000	EACH		
0940	02676	MOBILIZATION FOR MILL & TEXT	(1.00)	LS		
0950	02677	ASPHALT PAVE MILLING & TEXTURING	380.000	TON		
0960	02690	SAFELoADING	1.400	CUYD		
0970	02692	SETTLEMENT PLATFORM	2.000	EACH		
0980	02720	SIDEWALK-4 IN CONCRETE	1,573.000	SQYD		
0990	02726	STAKING	(1.00)	LS		
1000	02775	ARROW PANEL	2.000	EACH		
1010	03340	STEEL PIPE-2 1/2 IN	73.500	LF		
1020	03343	STEEL PIPE-4 IN	73.500	LF		
1030	05950	EROSION CONTROL BLANKET	81,187.000	SQYD		
1040	05966	TOPDRESSING FERTILIZER	8.900	TON		

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1060	05990	SODDING	32,449.000	SQYD		
1070	06510	PAVE STRIPING-TEMP PAINT-4 IN	80,344.000	LF		
1080	06514	PAVE STRIPING-PERM PAINT-4 IN	74,427.000	LF		
1090	06530	PAVE STRIPING REMOVAL-4 IN	1,000.000	LF		
1100	06554	PAVE STRIPING-DUR TY 1-4 IN W	261.000	LF		
1110	06555	PAVE STRIPING-DUR TY 1-4 IN Y	232.000	LF		
1120	06568	PAVE MARKING-THERMO STOP BAR-24IN	266.000	LF		
1130	06574	PAVE MARKING-THERMO CURV ARROW	32.000	EACH		
1140	06589	PAVEMENT MARKER TYPE V-MW	263.000	EACH		
1150	06591	PAVEMENT MARKER TYPE V-BY	326.000	EACH		
1160	08100	CONCRETE-CLASS A	41.670	CUYD		
1170	08150	STEEL REINFORCEMENT	2,393.500	LB		
1180	10020NS	FUEL ADJUSTMENT	209,743.000	DOLL	1.00	209,743.00
1190	10030NS	ASPHALT ADJUSTMENT	130,705.000	DOLL	1.00	130,705.00
1200	20430ED	SAW CUT	4,049.000	LF		
1210	20914ED	ROLLED CURB AND GUTTER	470.000	LF		
1220	21661ES706	BORE AND JACK PIPE	40.000	LF		
1230	21701EN	POLYETHYLENE PIPE-1 IN	575.000	LF		
1240	23131ER701	PIPELINE VIDEO INSPECTION	1,754.000	LF		
1250	23143ED	KPDES PERMIT AND TEMP EROSION CONTROL	(1.00)	LS		

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LINE NO	ITEM	DESCRIPTION	APPROXIMATE QUANTITY	UNIT	UNIT PRICE	AMOUNT
1260	23274EN11F	TURF REINFORCEMENT MAT 1	13,845.000	SQYD		
SECTION 0003 BRIDGE						
1270	02231	STRUCTURE GRANULAR BACKFILL	362.000	CUYD		
1280	02998	MASONRY COATING	519.000	SQYD		
1290	03299	ARMORED EDGE FOR CONCRETE	98.000	LF		
1300	08019	CYCLOPEAN STONE RIP RAP	542.000	TON		
1310	08033	TEST PILES	39.000	LF		
1320	08051	PILES-STEEL HP14X89	237.000	LF		
1330	08095	PILE POINTS-14 IN	18.000	EACH		
1340	08100	CONCRETE-CLASS A	53.800	CUYD		
1350	08104	CONCRETE-CLASS AA	248.600	CUYD		
1360	08151	STEEL REINFORCEMENT-EPOXY COATED	54,204.000	LB		
1370	08636	PRECAST PC I BEAM TYPE 5	684.000	LF		
1380	21532ED	RAIL SYSTEM TYPE III	232.000	LF		
SECTION 0004 MOBILIZATION / DEMOBILIZATION						
1390	02568	MOBILIZATION (NO MORE THAN 5%)		LUMP		
1400	02569	DEMOBILIZATION (AT LEAST 1.5%)		LUMP		
TOTAL BID						