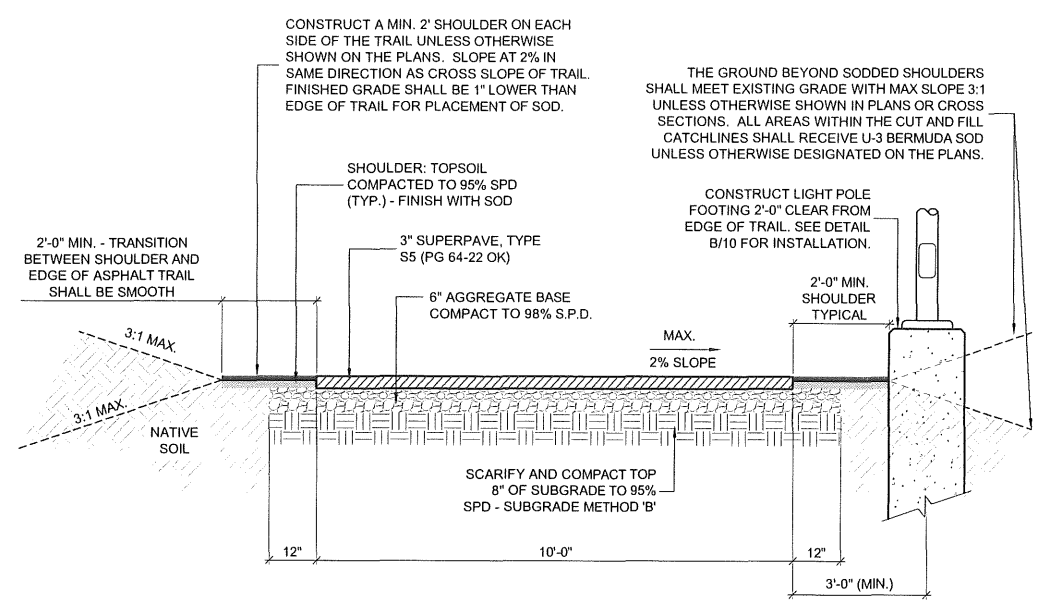
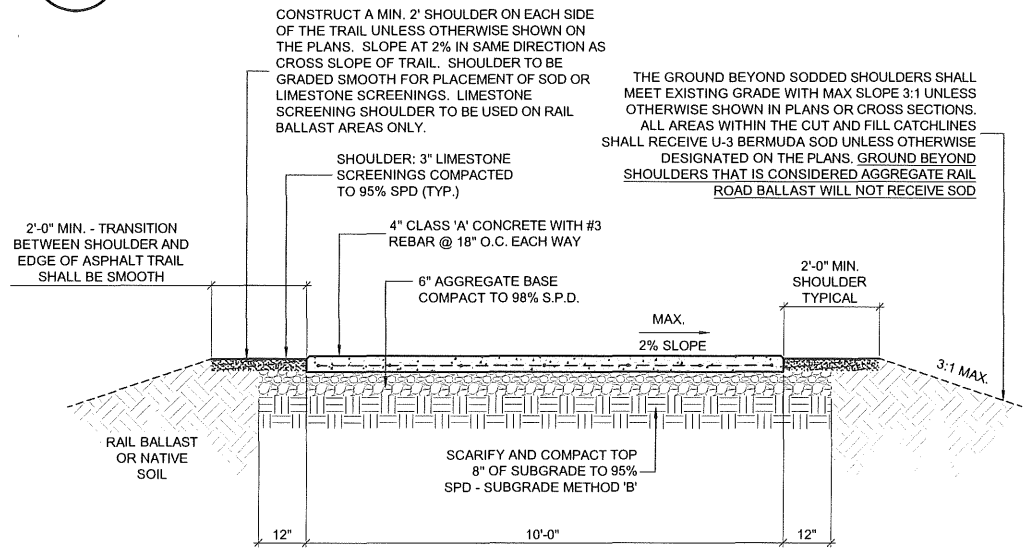


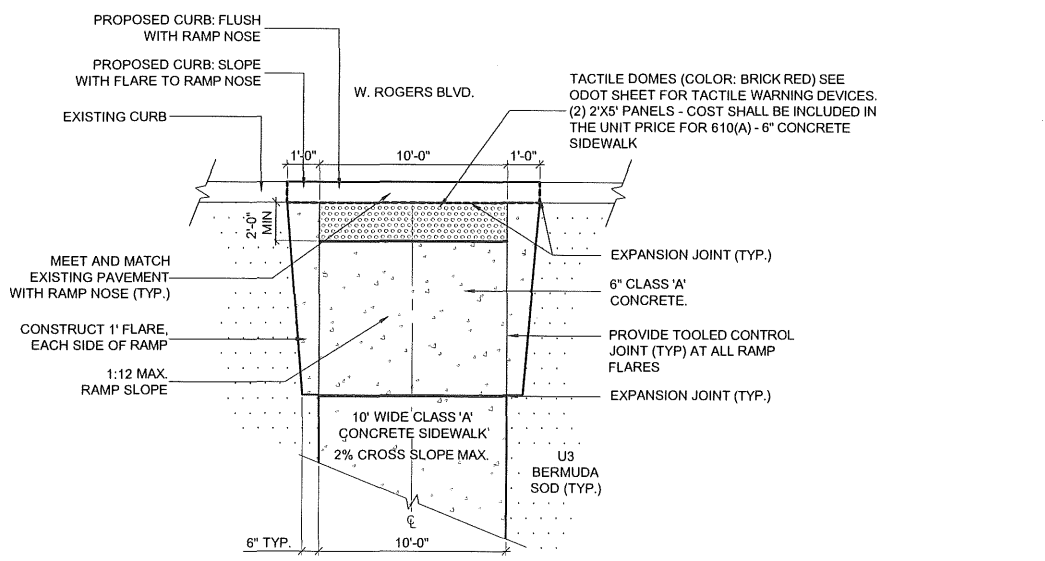
A SECTION - TYPICAL 10'-0" WIDE ASPHALT TRAIL ON RAILROAD BALLAST
 NOT TO SCALE
 Sta. 530+00.00 - 616+34.86



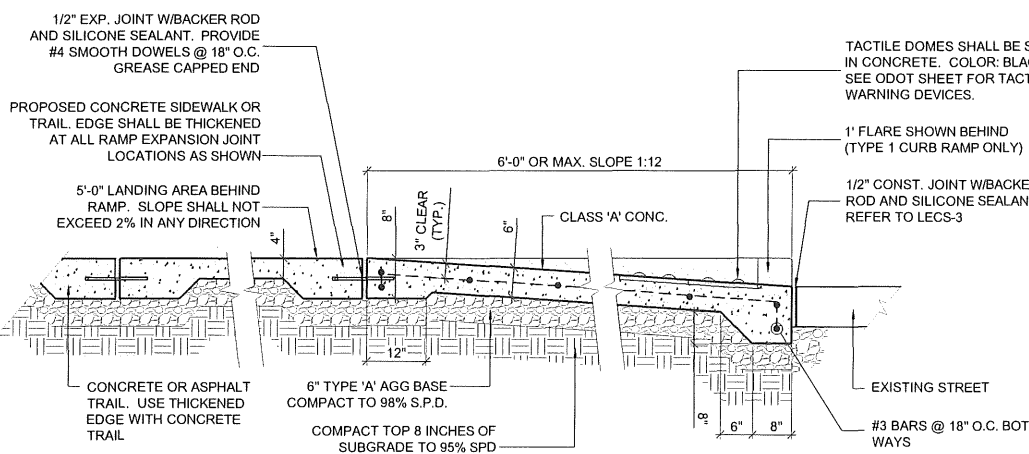
B SECTION - TYPICAL 10'-0" WIDE ASPHALT TRAIL ON NATIVE GROUND
 NOT TO SCALE
 Sta. 515+71.22 - 520+97.38 (530+00.00)



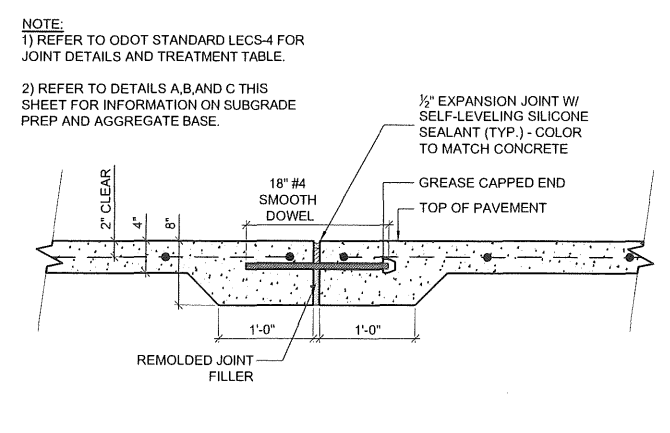
C SECTION - TYPICAL 10'-0" WIDE, 4" THICK CLASS 'A' CONCRETE TRAIL
 NOT TO SCALE
 Sta. 514+76.38 - 514+98.68
 Sta. 515+48.96 - 515+71.22



D PLAN - TYPE 1 TRAIL RAMP WITH 1' FLARES
 NOT TO SCALE



E TYPICAL SECTION - TYPE 1 & 2 TRAIL RAMPS
 NOT TO SCALE
 Sta. 514+92.38 - 514+98.68
 Sta. 515+48.96 - 515+55.22
 Sta. 616+22.83 - 616+34.86



F SECTION - TYP. CONC. TRAIL EXPANSION JOINT
 NOT TO SCALE

TYPICAL TRAIL CONSTRUCTION NOTES

- 1) CONSTRUCT 2% CROSS SLOPE (MAX.) IN SAME DIRECTION AS EXISTING GRADE UNLESS OTHERWISE DESIGNATED.
- 2) LONGITUDINAL GRADE SHALL NOT EXCEED 5% UNLESS OTHERWISE DESIGNATED.
- 3) WHEN SETTING GRADES FOR TRAIL SURFACES, CONTRACTOR SHALL FIELD VERIFY THAT PAVING ELEVATION WILL NOT TRAP WATER ON EITHER SIDE OF TRAIL AND WILL ALLOW WATER TO FLOW FREELY TO DRAIN AWAY FROM AREA.
- 4) PROVIDE CONTROL JOINTS EVERY 10' AND SEALED EXPANSION JOINTS AS SHOWN ALONG THE 10'-0" WIDE CONCRETE TRAIL.
- 5) THE GROUND BEYOND TRAIL SHOULDERS SHALL MEET EXISTING GRADE WITH MAX. SLOPE OF 3:1 UNLESS OTHERWISE NOTED ON PLANS. ALL AREAS WITHIN THE CUT AND FILL CATCHLINES SHALL BE GRADED SMOOTH AND SODDED UNLESS LOCATED ON RAIL BALLAST.
- 6) REFER TO DETAIL A/9 AND THE TRAIL STRIPING SHEETS FOR COMPLETE TRAIL STRIPING INFORMATION.
- 7) REFER TO ODOT DETAIL LECS-4 FOR DETAILS FOR SEALED EXPANSION / ISOLATION JOINTS AND CONTRACTION JOINTS. NOT ALL DETAILS IN LECS-4 WILL APPLY TO THIS TRAIL PROJECT.
- 8) TO REDUCE SLIPPAGE, PROVIDE A MEDIUM BROOM FINISH PERPENDICULAR TO THE DIRECTION OF TRAFFIC ON ALL CONCRETE TRAIL SEGMENTS.
- 9) UNSTABLE SUBGRADE SOILS SHALL BE MECHANICALLY STABILIZED WITH 3'-6" SURGE STONE WITH TYPE 'A' AGGREGATE BASE PLACED TO FORM THE FINISHED SUBGRADE ELEVATION. SEE PAYNOTE FOR MODIFIED SUBGRADE ON SHEET 2 OF THE PLAN SET FOR COMPLETE DESCRIPTION OF THE PROCEDURE STA. 514+76.38 - STA. 533+11.
- 10) THE TRAIL CORRIDOR SHALL BE CLOSED DURING CONSTRUCTION. PROVIDE ORANGE CONSTRUCTION FENCING AT EACH END OF PROJECT ACROSS THE ENTIRE TRAIL CORRIDOR FROM THE R.O.W. LINE TO THE TRAIL EDGE. COST OF FENCING SHALL BE CONSIDERED INCIDENTAL AND INCLUDED IN OTHER ITEMS.
- 11) ALL CONCRETE TRAIL CONSTRUCTION SHALL BE CLASS 'A' CONCRETE PER ODOT STANDARD SPECIFICATIONS. REFER TO CONCRETE CLASSES TABLE BELOW.
- 12) USE OF TYPE 'A' AGGREGATE BASE MATERIAL ALONG RAIL BALLAST STA. 533+11 - EOP MUST BE APPROVED BY ENGINEER PRIOR TO EXCAVATION AND PLACEMENT OF MATERIAL. AGGREGATE BASE MATERIAL SHALL BE UTILIZED IN AREAS WHERE THE BALLAST CANNOT BE COMPACTED TO THE SPECIFICATIONS SHOWN IN THE DETAILS.

TYPICAL RAMP CONSTRUCTION NOTES

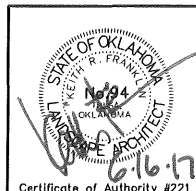
- 1) ALL CONCRETE PAVING SHALL BE CONSTRUCTED WITH CLASS 'A' CONCRETE. ALL RAMP CONSTRUCTION SHALL BE A.D.A. COMPLIANT.
- 2) MEDIUM BROOM FINISH PERPENDICULAR TO THE DIRECTION OF TRAVEL ON ALL RAMPS.
- 3) THE TACTILE FINISH FOR ALL CURB RAMPS AT ROADWAYS SHALL BE TRUNCATED DOMES COLOR: BRICK RED. SEE ODOT SHEET FOR TACTILE WARNING DEVICES.
- 4) DAMAGE TO EXISTING PAVEMENT, OR ROADWAY ADJACENT TO RAMPS, RESULTING FROM CONSTRUCTION ACTIVITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- 5) LANDING AREA BEHIND ALL RAMPS SHALL BE A LEVEL AREA 5'-0" FROM THE BACK OF RAMP AT A MINIMUM UNLESS OTHERWISE SHOWN ON PLANS. THE LANDING AREA SHALL HAVE A MAX. 2% CROSS SLOPE AND LONGITUDINAL SLOPE.
- 6) ALL CURBS AND 1' CURB RAMP FLARES CONSTRUCTION ASSOCIATED WITH TRAIL RAMP CONSTRUCTION SHALL BE CONSIDERED INCIDENTAL AND INCLUDED IN THE COST OF 610(A)-6" CONCRETE SIDEWALK.

PROJECT CONCRETE CLASSES

CLASS OF CONCRETE	MINIMUM CEMENT CONTENT (lb/cy)	AIR CONTENT (%)	WATER/CEMENT RATIO (lb/lb)	SLUMP (in)	MINIMUM 28-DAY COMPRESSIVE STRENGTH (psi)
A	517	6±1.5	0.25-0.48	2±1	3000

PER ODOT 2009 STANDARD SPECIFICATIONS - SECTION 701 PORTLAND CEMENT CONCRETE

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Osage Prairie Trail Extension		PREPARED BY: LANDPLAN CONSULTANTS 1110 West 23rd Street TULSA, OK 74107 918-584-6464	
Design	JM	8/16	<p style="text-align: center; font-weight: bold; font-size: 1.2em;">CONSTRUCTION DETAILS (1)</p> <p style="text-align: right;">State Job No. 28839 (04), 32530 (04) Sheet No. 8 of 32</p>
Drawn	JM/BB	8/16	
Checked	JM/KF	6/17	
Approved			
Squad	LPCI		