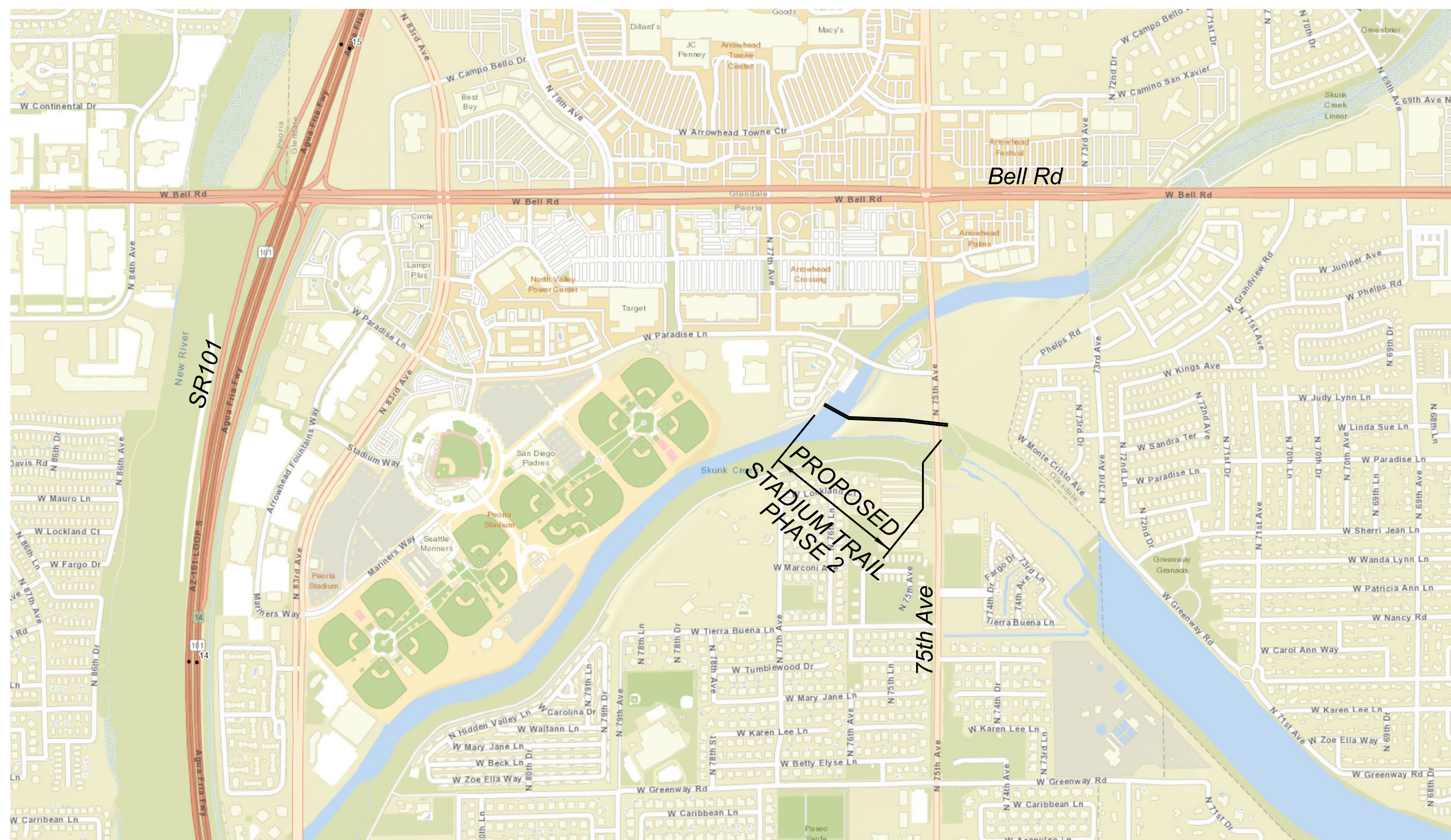


STATE OF ARIZONA
 DEPARTMENT OF TRANSPORTATION
 INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION



PROJECT PLANS
 URBANIZED AREA
 CITY OF PEORIA



Constructed by:

Construction Company

Completion Date

Red-Lines by:

Construction Administrator Name & Company

Completion Date

Record Drawings by:

Record Drawings Designer Name & Company

Completion Date

STADIUM TRAIL PHASE 2; 75TH AVE TO SKUNK CREEK

PROJECT NO. 0000 MA PEO T0321 01C
 FEDERAL AID NO. PEO-0(229)T

ARIZONA DEPARTMENT OF TRANSPORTATION
 INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
 GREGORY BYRES, P.E., STATE ENGINEER

REC. DWGS. DATA	REC. DWG. DATE	OF
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ADOT STANDARD DRAWINGS

CONSTRUCTION STANDARDS
EFFECTIVE AUGUST 2023

DATE	STANDARD	SUBJECT TITLE	DATE	STANDARD	SUBJECT TITLE
5/12	C-01.10 SH 1	SYMBOL LEGEND	12/17	C-10.53	CONCRETE HALF BARRIER, 42" TYPE 'F' WITH GUTTER
5/12	C-01.10 SH 2	SYMBOL LEGEND	12/17	C-10.54 SH 1	CONCRETE HALF BARRIER, 32" TYPE 'F' AT PIERS, CAST-IN-PLACE
5/12	C-01.10 SH 3	SYMBOL LEGEND	12/17	C-10.54 SH 2	CONCRETE HALF BARRIER, 32" TYPE 'F' AT PIERS, PRECAST
5/12	C-01.10 SH 4	SYMBOL LEGEND	12/17	C-10.54 SH 3	CONCRETE HALF BARRIER, 32" TYPE 'F' AT PIERS, LAYOUT
12/17	C-01.30 SH 1	GENERAL ABBREVIATIONS	12/17	C-10.55 SH 1	CONCRETE HALF BARRIER, 42" TYPE 'F' AT PIERS, CAST-IN-PLACE
5/12	C-01.30 SH 2	GENERAL ABBREVIATIONS	12/17	C-10.55 SH 2	CONCRETE HALF BARRIER, 42" TYPE 'F' AT PIERS, PRECAST
5/12	C-01.30 SH 3	GENERAL ABBREVIATIONS	12/17	C-10.55 SH 3	CONCRETE HALF BARRIER, 42" TYPE 'F' AT PIERS, LAYOUT
5/12	C-02.10	SLOPES, RURAL DIVIDED HIGHWAYS	12/17	C-10.70 SH 1	CONCRETE HALF-BARRIER TRANSITION TO VERTICAL, 32" TYPE 'F' WITH CAISSONS
5/12	C-02.20	SLOPES, RURAL UNDIVIDED AND FRINGE-URBAN HIGHWAYS	12/17	C-10.70 SH 2	CONCRETE HALF-BARRIER TRANSITION TO VERTICAL, 32" TYPE 'F' WITH CAISSONS
5/12	C-02.30	SLOPES, MISCELLANEOUS ROADWAYS	12/17	C-10.70 SH 3	CONCRETE HALF-BARRIER TRANSITION TO VERTICAL, 32" TYPE 'F' WITH CAISSONS
5/12	C-03.10 SH 1	DITCHES, CHANNELS, DIKES AND BERMS, DITCHES AND CHANNELS	12/17	C-10.71 SH 1	CONCRETE HALF-BARRIER TRANSITION TO VERTICAL, 32" TYPE 'F' WITH CURB & GUTTER
5/12	C-03.10 SH 2	DITCHES, CHANNELS, DIKES AND BERMS, DIKES	12/17	C-10.71 SH 2	CONCRETE HALF-BARRIER TRANSITION TO VERTICAL, 32" TYPE 'F' WITH CURB & GUTTER
5/12	C-03.10 SH 3	DITCHES, CHANNELS, DIKES AND BERMS, DITCH DIKE	12/17	C-10.72 SH 1	CONCRETE HALF-BARRIER TRANSITION TO VERTICAL, 42" TO 32" TYPE 'F' WITH CAISSONS
5/12	C-03.10 SH 4	DITCHES, CHANNELS, DIKES AND BERMS, PIPE BERMS	12/17	C-10.72 SH 2	CONCRETE HALF-BARRIER TRANSITION TO VERTICAL, 42" TO 32" TYPE 'F' WITH CAISSONS
5/12	C-03.10 SH 5	DITCHES, CHANNELS, DIKES AND BERMS, HEADWALL BERMS	12/17	C-10.72 SH 3	CONCRETE HALF-BARRIER TRANSITION TO VERTICAL, 42" TO 32" TYPE 'F' WITH CAISSONS
12/17	C-04.10 SH 1	SPILLWAY, EMBANKMENT SINGLE INLET	12/17	C-10.73 SH 1	CONCRETE HALF-BARRIER TRANSITION TO VERTICAL, 42" TO 32" TYPE 'F' WITH GUTTER
12/17	C-04.10 SH 2	SPILLWAY, EMBANKMENT DOUBLE INLET	12/17	C-10.73 SH 2	CONCRETE HALF-BARRIER TRANSITION TO VERTICAL, 42" TO 32" TYPE 'F' WITH GUTTER
12/17	C-04.20 SH 1	DOWNDRAIN, EMBANKMENT SINGLE INLET	12/17	C-10.74	CONCRETE HALF-BARRIER TRANSITION, 42" TO 32" TYPE 'F'
12/17	C-04.20 SH 2	DOWNDRAIN, EMBANKMENT DOUBLE INLET	12/17	C-10.75 SH 1	CONCRETE HALF-BARRIER TRANSITION, TYPE 'F' TANGENT DEPARTURE TYPE 1
12/17	C-04.30	SPILLWAY LENGTH TABLE	12/17	C-10.75 SH 2	CONCRETE HALF-BARRIER TRANSITION, TYPE 'F' TANGENT DEPARTURE TYPE 2
12/17	C-04.40	DOWNDRAIN LENGTH TABLE	4/19	C-10.76	CONCRETE HALF-BARRIER TRANSITION, TYPE 'F' AT RADIUS, 32" TO 0"
5/12	C-04.50	DOWNDRAIN ENERGY DISSIPATOR	12/17	C-10.77	CONCRETE BARRIER TRANSITION TO GUARDRAIL END TERMINAL LAYOUT WITH CURB
5/12	C-05.10	CURB & GUTTER, CURB, GUTTER	12/17	C-10.78	CONCRETE HALF-BARRIER TRANSITION, 32" TYPE 'F' LOW SPEED APPROACH
5/12	C-05.12 SH 1	CURB & GUTTER TRANSITIONS	12/17	C-10.79	CONCRETE HALF-BARRIER TRANSITION, 42" TYPE 'F' TANGENT DEPARTURE
5/12	C-05.12 SH 2	CURB & GUTTER TRANSITIONS	5/12	C-11.10 SH 1	ROADWAY CATTLE GUARD
5/12	C-05.12 SH 3	CURB AND GUTTER TRANSITIONS	5/12	C-11.10 SH 2	ROADWAY CATTLE GUARD
5/12	C-05.20 SH 1	CONCRETE DRIVEWAYS & SIDEWALKS, DRIVEWAYS	5/12	C-11.10 SH 3	ROADWAY CATTLE GUARD
5/12	C-05.20 SH 2	CONCRETE DRIVEWAYS & SIDEWALKS, SIDEWALKS	5/12	C-11.10 SH 4	ROADWAY CATTLE GUARD
5/12	C-05.30 SH 1	SIDEWALK RAMP, TYPE A	5/12	C-11.20	CATTLE GUARD, DRAINAGE
5/12	C-05.30 SH 2	SIDEWALK RAMP, TYPE B	5/12	C-12.10 SH 1	FENCE, WOVEN WIRE
5/12	C-05.30 SH 3	SIDEWALK RAMP, TYPE C	5/12	C-12.10 SH 2	FENCE, BARBED WIRE
5/12	C-05.30 SH 4	SIDEWALK RAMP, TYPE D	5/12	C-12.10 SH 3	FENCE, TYPE 1 AND 2 GATES, FLOOD GATE
5/12	C-05.30 SH 5	SIDEWALK RAMP, TYPE E	5/12	C-12.10 SH 4	FENCE, FLOOD GATE INSTALLATION
5/12	C-05.30 SH 6	SIDEWALK RAMP, TYPE F	5/12	C-12.10 SH 5	FENCE, MISCELLANEOUS DETAILS
5/12	C-05.30 SH 7	SIDEWALK RAMP, DETECTABLE WARNING STRIP	5/12	C-12.20 SH 1	FENCE, CHAIN LINK, TYPE 1
5/12	C-05.40	MEDIAN PAVING AND NOSE TAPER	5/12	C-12.20 SH 2	FENCE, CHAIN LINK, TYPE 2
5/12	C-05.50	CONCRETE BUS BAY	5/12	C-12.20 SH 3	FENCE, CHAIN LINK, GATES
5/12	C-06.10 SH 1	DRIVEWAY & TURNOUT LAYOUTS	5/12	C-12.30 SH 1	FENCE, CHAIN LINK CABLE BARRIER
5/12	C-06.10 SH 2	DRIVEWAY & TURNOUT LAYOUTS	5/12	C-12.30 SH 2	FENCE, CHAIN LINK CABLE BARRIER
5/12	C-06.10 SH 2	DRIVEWAY & TURNOUT LAYOUTS	5/12	C-12.30 SH 3	FENCE, CHAIN LINK CABLE BARRIER
5/12	C-07.01 SH 1	PCCP JOINTS	5/12	C-13.10 SH 1	PIPE CULVERT INSTALLATION
5/12	C-07.01 SH 2	PCCP JOINTS	5/12	C-13.10 SH 2	PIPE CULVERT INSTALLATION
5/12	C-07.02	LOAD TRANSFER DOWEL ASSEMBLY	8/23	C-13.15	TYPICAL PIPE INSTALLATION
5/12	C-07.03 SH 1	PCCP JOINT LOCATIONS, MAINLINE SKEWED JOINTS	5/12	C-13.20	PIPE, REINFORCED CONCRETE END SECTION
5/12	C-07.03 SH 2	PCCP JOINT LOCATIONS, MAINLINE SKEWED JOINTS	5/12	C-13.25	PIPE, CORRUGATED METAL END SECTION
5/12	C-07.03 SH 3	PCCP JOINT LOCATIONS, MAINLINE SKEWED JOINTS	5/12	C-13.30	PIPE AND PIPE ARCH, CORRUGATED METAL, CONCRETE INVERT PAVING
5/12	C-07.03 SH 4	PCCP JOINT LOCATIONS, MAINLINE SKEWED JOINTS	5/12	C-13.55	PIPE, CATTLE-VEHICLE PASS, MITERED END TREATMENT
5/12	C-07.03 SH 5	PCCP JOINT LOCATIONS, MAINLINE NON-SKEWED JOINTS	5/12	C-13.60	SLOTTED DRAIN DETAILS
5/12	C-07.03 SH 6	PCCP JOINT LOCATIONS, MAINLINE NON-SKEWED JOINTS	5/12	C-13.65	SLOTTED DRAIN INSTALLATION DETAILS
5/12	C-07.03 SH 7	PCCP JOINT LOCATIONS, MAINLINE NON-SKEWED JOINTS	5/12	C-13.70	STORM DRAIN CONNECTION DETAILS
5/12	C-07.03 SH 8	PCCP JOINT LOCATIONS, MAINLINE NON-SKEWED JOINTS	5/12	C-13.75	STORM DRAIN OUTLET BARRIER GATE
5/12	C-07.04 SH 1	PCCP JOINT LOCATIONS, PARALLEL-TYPE ENTRANCE RAMP WITH AUXILIARY LANE	5/12	C-13.76	STORM DRAIN OUTLET AND STORM DRAIN PLUG
5/12	C-07.04 SH 2	PCCP JOINT LOCATIONS, PARALLEL-TYPE EXIT RAMP WITH AUXILIARY LANE	5/12	C-13.80	PIPE COLLAR DETAILS
5/12	C-07.04 SH 3	PCCP JOINT LOCATIONS, TAPER-TYPE ENTRANCE RAMP	5/12	C-15.10	CATCH BASIN, TYPE 1
5/12	C-07.04 SH 4	PCCP JOINT LOCATIONS, TAPER-TYPE EXIT RAMP	5/12	C-15.20 SH 1	CATCH BASIN, TYPE 3
5/12	C-07.04 SH 5	PCCP JOINT LOCATIONS, CROSSROAD AND RAMP TERMINI	5/12	C-15.20 SH 2	CATCH BASIN, TYPE 3
8/21	C-07.06	TRENCH BACKFILL AND PAVEMENT REPLACEMENT	5/12	C-15.20 SH 3	CATCH BASIN, ACCESS FRAME AND COVER DETAILS
5/12	C-08.20	PAVED GORE AREA	5/12	C-15.30	CATCH BASIN, TYPE 4
12/17	C-10.00	GUARDRAIL MEASUREMENT LIMITS	5/12	C-15.40 SH 1	CATCH BASIN, TYPE 5
12/17	C-10.01	GUARDRAIL INSTALLATION	5/12	C-15.40 SH 2	CATCH BASIN, TYPE 5
12/17	C-10.03	W-BEAM GUARDRAIL, MGS BLOCKED-OUT TIMBER POST	5/12	C-15.50	CATCH BASIN, FRAME AND GRATE
12/17	C-10.04	W-BEAM GUARDRAIL, MGS BLOCKED-OUT STEEL POST	5/12	C-15.70 SH 1	CATCH BASIN, MISCELLANEOUS DETAILS
12/17	C-10.05 SH 1	W-BEAM GUARDRAIL (MODIFIED) WITH FREEWAY CURB AND GUTTER	5/12	C-15.70 SH 2	CATCH BASIN, MISCELLANEOUS DETAILS
12/17	C-10.05 SH 2	W-BEAM GUARDRAIL (MODIFIED) WITH FREEWAY CURB AND GUTTER	5/12	C-15.75	CATCH BASIN, DROP INLET
12/17	C-10.06	W-BEAM GUARDRAIL LONG-SPAN	5/12	C-15.80	CATCH BASIN, FLUSH
12/17	C-10.07 SH 1	W-BEAM GUARDRAIL, BOX CULVERT GUARDRAIL POST	5/12	C-15.81	CATCH BASIN, SIDE SLOPE
12/17	C-10.07 SH 2	W-BEAM GUARDRAIL, BOX CULVERT GUARDRAIL POST	5/12	C-15.90	CATCH BASIN, MEDIAN DIKE, PRECAST
12/17	C-10.08 SH 1	W-BEAM GUARDRAIL, END ANCHOR	5/12	C-15.91 SH 1	FREEWAY CATCH BASIN DETAILS
12/17	C-10.08 SH 2	W-BEAM GUARDRAIL, END ANCHOR	5/12	C-15.91 SH 2	FREEWAY CATCH BASIN DETAILS
12/17	C-10.09	GUARDRAIL POST ROCK INSTALLATION	5/12	C-15.92 SH 1	CATCH BASIN WITH TYPE 'F' CONCRETE HALF BARRIER
4/19	C-10.20 SH 1	GUARDRAIL END TERMINAL PAD LAYOUT FOR SOFTSTOP	5/12	C-15.92 SH 2	CATCH BASIN WITH TYPE 'F' CONCRETE HALF BARRIER
4/19	C-10.20 SH 2	GUARDRAIL END TERMINAL PAD LAYOUT FOR SOFTSTOP	5/12	C-16.40	IRRIGATION SLEEVES
4/19	C-10.21 SH 1	GUARDRAIL END TERMINAL PAD LAYOUT FOR MSKT	5/12	C-17.10	RAIL BANK PROTECTION FOR DRAINAGEWAYS, TYPES 1, 2 & 3
4/19	C-10.21 SH 2	GUARDRAIL END TERMINAL PAD LAYOUT FOR MSKT	5/12	C-17.15	RAIL BANK PROTECTION AT ABUTMENTS, TYPES 4, 5 & 6
4/19	C-10.22 SH 1	GUARDRAIL END TERMINAL PAD LAYOUT FOR MAX-TENSION	5/12	C-17.20	RAIL BANK PROTECTION FOR DRAINAGEWAYS, TYPES 7, 8 & 9
4/19	C-10.22 SH 2	GUARDRAIL END TERMINAL PAD LAYOUT FOR MAX-TENSION	5/12	C-18.10 SH 1	MANHOLE, RISER DETAILS
4/21	C-10.23 SH 1	GUARDRAIL END TERMINAL PAD LAYOUT FOR SGET	5/12	C-18.10 SH 2	MANHOLE, BASE DETAILS, NORMAL INSTALLATION
4/21	C-10.23 SH 2	GUARDRAIL END TERMINAL PAD LAYOUT FOR SGET	5/12	C-18.10 SH 3	MANHOLE, FRAME AND COVER DETAILS
11/19	C-10.26 SH 1	GUARDRAIL END TERMINAL PAD LAYOUT FOR MFLEAT	5/12	C-19.10 SH 1	FORD, CONCRETE WALLS
11/19	C-10.26 SH 2	GUARDRAIL END TERMINAL PAD LAYOUT FOR MFLEAT	5/12	C-19.10 SH 2	FORD, TYPES 1 AND 2
12/17	C-10.30 SH 1	GUARDRAIL TRANSITION TO CONCRETE BARRIER, TIMBER POST	5/12	C-21.10	SURVEY MONUMENT FRAME AND COVER
12/17	C-10.30 SH 2	GUARDRAIL TRANSITION TO CONCRETE BARRIER, TIMBER POST	5/12	C-21.20	SURVEY MARKER
12/17	C-10.31 SH 1	GUARDRAIL TRANSITION TO CONCRETE BARRIER, STEEL POST			
12/17	C-10.31 SH 2	GUARDRAIL TRANSITION TO CONCRETE BARRIER, STEEL POST			
12/17	C-10.38 SH 1	GUARDRAIL TAPER G4 TO MGS W-BEAM WITH STAGGERED POST			
12/17	C-10.38 SH 2	GUARDRAIL TAPER G4 TO MGS W-BEAM WITH OFFSET RAIL			
12/17	C-10.40	CONCRETE MEDIAN BARRIER, 32" TYPE 'F', CAST-IN-PLACE			
12/17	C-10.41	CONCRETE MEDIAN BARRIER, 42" TYPE 'F', CAST-IN-PLACE			
12/17	C-10.44 SH 1	CONCRETE MEDIAN BARRIER, 42" TYPE 'F' WITH VARIABLE HEIGHT SIDES, H=0" TO 26"			
12/17	C-10.44 SH 2	CONCRETE MEDIAN BARRIER, 42" TYPE 'F' WITH VARIABLE HEIGHT SIDES, H=0" TO 26"			
12/17	C-10.45 SH 1	CONCRETE MEDIAN BARRIER, 42" TYPE 'F' WITH VARIABLE HEIGHT SIDES, H=26" TO 60"			
12/17	C-10.45 SH 2	CONCRETE MEDIAN BARRIER, 42" TYPE 'F' WITH VARIABLE HEIGHT SIDES, H=26" TO 60"			
12/17	C-10.50 SH 1	CONCRETE HALF BARRIER, 32" TYPE 'F', CAST-IN-PLACE			
12/17	C-10.50 SH 2	CONCRETE HALF BARRIER, 32" TYPE 'F', PRECAST			
12/17	C-10.51	CONCRETE HALF BARRIER, 32" TYPE 'F' WITH SIDEWALK			
12/17	C-10.52	CONCRETE HALF BARRIER, 32" TYPE 'F' WITH GUTTER			

ADOT STANDARD DRAWINGS			
REVISION DATES and STANDARD NO.'s REVIEW			
CONSTRUCTION STANDARDS	NAME	DATE	
PROJECT NO.	J. CAIN	5/24/2024	
0000 MA PEO T0321 01C		1A	OF 51
RECORD DRAWING DATA	FEDERAL ID NO. PEO-0(229)T	REC. DWG. DATE	OF

ADOT STANDARD DRAWINGS

TRAFFIC SIGNING & MARKING STANDARDS
(SHEET 1 OF 2)
EFFECTIVE OCTOBER 2023

REVISION DATE	STANDARD NUMBER	SUBJECT : SIGNING AND MARKING DETAILS	REVISION DATE	STANDARD NUMBER	SUBJECT : SIGNING AND MARKING DETAILS
6/14	M-1	CURB MARKINGS FOR RAISED MEDIAN AND ISLANDS	6/14	M-20 SHT 1	CHIP SEAL MARKER USAGE FOR TEMPORARY MARKERS
1/20	M-2 SHT 1	INTERSECTION STRIPING	6/14	M-20 SHT 2	CHIP SEAL MARKER USAGE FOR TEMPORARY MARKERS
5/15	M-2 SHT 2	INTERSECTION STRIPING (TWO-LANE RURAL)	6/14	M-21	TRANSVERSE RUMBLE STRIP DETAILS
6/14	M-2 SHT 3	CENTERLINE AND REVERSE CURVE DETAILS	9/21	M-22 SHT 1	LONGITUDINAL RUMBLE STRIP GROOVE, PATTERN - AND LOCATION DETAILS
6/14	M-3	STRIPING AND DELINEATION FOR FREEWAY TERMINALS	9/21	M-22 SHT 2	LONGITUDINAL RUMBLE STRIP EXCEPTION DETAILS
6/14	M-4	PASSING LANE STRIPING DETAILS	9/21	M-22 SHT 3	ENTRANCE AND EXIT RAMPS RUMBLE STRIP INSTALLATION DETAILS
6/14	M-5	RAILROAD PAVEMENT MARKINGS	3/22	M-22 SHT 4	CENTERLINE RUMBLE STRIP GROOVE, PATTERN - AND LOCATION DETAILS
6/14	M-6	WORD MARKINGS	6/14	M-23	OBJECT MARKER DETAILS
6/14	M-7	PAVEMENT LETTERS	6/14	M-24	OBJECT MARKER PLACEMENT DETAILS
6/14	M-8	PAVEMENT LETTERS	2/21	M-26 SHT 1	DELINEATOR PLACEMENT AND SPACING
6/14	M-9	PAVEMENT NUMBERS	2/21	M-26 SHT 2	DELINEATOR PLACEMENT AND SPACING
6/14	M-10 SHT 1	PAVEMENT MARKING SYMBOLS	2/21	M-26 SHT 3	FLEXIBLE DELINEATOR ASSEMBLIES
6/14	M-10 SHT 2	PAVEMENT MARKING SYMBOLS	2/21	M-26 SHT 4	SQUARE STEEL POST DELINEATOR
6/14	M-11	TURN LANE PAVEMENT MARKINGS	2/21	M-26 SHT 5	DELINEATOR FOUNDATION DETAILS
6/14	M-12	WRONG-WAY ARROWS	2/21	M-27 SHT 1	DELINEATION DETAILS FOR MEDIAN CROSSOVERS
1/19	M-13	PREFERENTIAL LANE PAVEMENT MARKINGS	2/21	M-27 SHT 2	DELINEATION DETAILS FOR MEDIAN CROSSOVERS
6/14	M-14	STRIPING AND DELINEATION FOR TRUCK ESCAPE RAMPS	6/14	M-29	OFF- MAINLINE REFERENCE MARKER LOCATION DETAIL
8/20	M-15 SHT 1	PAVEMENT MARKING FOR FREEWAY ENTRANCE RAMP - TAPERED ACCELERATION LANE	6/14	M-30	OFF- MAINLINE REFERENCE MARKER DETAILS
8/20	M-15 SHT 2	PAVEMENT MARKING FOR FREEWAY ENTRANCE RAMP - PARALLEL ACCELERATION LANE	6/14	M-32	BRIDGE AND BARRIER MARKER DETAILS
8/20	M-15 SHT 3	PAVEMENT MARKING FOR FREEWAY ENTRANCE RAMP - PARALLEL ACCELERATION LANE WITH HOV BYPASS	6/14	M-33	BRIDGE AND BARRIER MARKER PLACEMENT AND INSTALLATION DETAILS
6/14	M-15 SHT 4	PAVEMENT MARKING FOR FREEWAY PARALLEL - ACCELERATION LANE	6/14	M-34	GUARDRAIL END TERMINAL DELINEATION DETAILS
8/20	M-16 SHT 1	PAVEMENT MARKING FOR FREEWAY EXIT RAMPS - TAPERED DECELERATION LANE	6/14	M-35	OBJECT MARKER FOR SAND BARREL CRASH CUSHION
8/20	M-16 SHT 2	PAVEMENT MARKING FOR FREEWAY EXIT RAMP - PARALLEL DECELERATION LANE			
8/20	M-17	FREEWAY LANE DROP PAVEMENT MARKINGS			
8/20	M-19 SHT 1	RAISED PAVEMENT MARKER PLAN LEGEND			
6/14	M-19 SHT 2	NON-REFLECTIVE RAISED PAVEMENT MARKER DETAILS			
6/14	M-19 SHT 3	RETROREFLECTIVE RAISED PAVEMENT MARKER DETAILS			
6/14	M-19 SHT 4	RETROREFLECTIVE RAISED PAVEMENT MARKER DETAILS			
5/15	M-19 SHT 5	PAVEMENT MARKING DETAILS FOR UNDIVIDED HIGHWAYS			
6/14	M-19 SHT 6	RETROREFLECTIVE RAISED PAVEMENT MARKERS (RPM) FOR UNDIVIDED HIGHWAYS			
8/20	M-19 SHT 7	FREEWAY AND DIVIDED HIGHWAY EDGE LINE AND LANE STRIPING			
5/15	M-19 SHT 8	LANE DROP MARKING AND RAMP OR INTERSECTION GUIDE STRIPING			
8/20	M-19 SHT 9	PAVEMENT MARKING CROSS-SECTION DETAILS FOR HIGHWAYS AND FREEWAYS			
3/22	M-19 SHT 10	CONTRAST LANE LINE FOR FREEWAY AND DIVIDED HIGHWAY			
10/23	M-19 SHT 11	LEAD-LAG CONTRAST PAVEMENT MARKINGS FOR CONCRETE PAVEMENT			

ADOT STANDARD DRAWINGS REVISION DATES and STANDARD NO.'s REVIEW			
SIGNING & MARKING STANDARDS	NAME	DATE	
	A. BARAKOVIC	5/24/2024	
PROJECT NO.	0000 MA PEO T0321 01C	1B-1	OF 51
RECORD DRAWING DATA	FEDERAL ID NO. PEO-0(229)T	REC. DWG. DATE	OF

ADOT STANDARD DRAWINGS

TRAFFIC SIGNING & MARKING STANDARDS
(SHEET 2 OF 2)
EFFECTIVE OCTOBER 2023

REVISION DATE	STANDARD NUMBER	SUBJECT : SIGNING AND MARKING DETAILS	REVISION DATE	STANDARD NUMBER	SUBJECT : SIGNING AND MARKING DETAILS
4/19	S-1 SHT 1	GENERAL SIGNING NOTES	6/14	S-12 SHT 1	TYPE A, B, AND DOWN ARROWS
6/14	S-2 SHT 1	S & W BREAKAWAY POST SELECTION CHART	6/14	S-12 SHT 2	TYPE C AND D ARROWS
6/14	S-2 SHT 2	S & W BREAKAWAY POST INSTALLATION DETAILS	6/14	S-12 SHT 3	C2 ARROW DETAIL
6/14	S-3 SHT 1	FLAT SHEET SIGNS SQUARE TUBE POST GENERAL NOTES	6/14	S-13	SIGN IDENTIFICATION DETAILS
6/14	S-3 SHT 2	SINGLE POST FLAT SHEET RECTANGULAR SIGN ASSEMBLY - 12, 18 AND 24 INCH WIDTHS	6/14	S-14 SHT 1	ROTATING OPEN/CLOSED SIGN
6/14	S-3 SHT 3	SINGLE POST FLAT SHEET RECTANGULAR SIGN ASSEMBLY - 30, 36, 42 AND 54 INCH WIDTHS	6/14	S-14 SHT 2	ROTATING OPEN/CLOSED SIGN DETAILS
6/14	S-3 SHT 4	TWO POST FLAT SHEET RECTANGULAR SIGN ASSEMBLY - 36, 42 AND 48 INCH WIDTHS	6/14	S-14 SHT 3	ROTATING OPEN/CLOSED SIGN MOUNTING DETAILS
6/14	S-3 SHT 5	TWO POST FLAT SHEET RECTANGULAR SIGN ASSEMBLY - 54, 60 AND 72 INCH WIDTHS	6/14	S-15 SHT 1	FOLDING RECTANGULAR SIGN ASSEMBLY
6/14	S-3 SHT 6	TWO POST FLAT SHEET RECTANGULAR SIGN ASSEMBLY - 84 - 144 INCH WIDTHS	6/14	S-15 SHT 2	FOLDING RECTANGULAR SIGN OPERATION
6/14	S-3 SHT 7	TWO POST FLAT SHEET RECTANGULAR SIGN ASSEMBLY - 48, 60 AND 72 INCH WIDTHS	6/14	S-15 SHT 3	FOLDING DIAMOND SIGN ASSEMBLY
6/14	S-3 SHT 8	THREE POST FLAT SHEET RECTANGULAR SIGN ASSEMBLY - 48, 60 AND 72 INCH WIDTHS	4/19	S-16 SHT 1	TEMPORARY WOOD POSTS
6/14	S-3 SHT 9	THREE POST FLAT SHEET RECTANGULAR SIGN ASSEMBLY - 84 - 144 INCH WIDTHS	4/19	S-16 SHT 2	TEMPORARY WOOD POSTS SELECTION CHART
6/14	S-3 SHT 10	WARNING SIGN ASSEMBLY - SINGLE POST	6/14	S-17	END OF ROAD BARRICADE
6/14	S-3 SHT 11	WARNING SIGN ASSEMBLY - TWO POST	7/19	S-18 SHT 1	ALUMINUM GRAFFITI SHIELD EXIT AND GUIDE SIGN ASSEMBLY
6/14	S-3 SHT 12	WARNING SIGN ASSEMBLY - THREE POST	7/19	S-18 SHT 2	ALUMINUM GRAFFITI SHIELD RIGHT RIDER SIDE PANEL
6/14	S-3 SHT 13	MULTIPLE ROUTE MARKER ASSEMBLIES	7/19	S-18 SHT 3	ALUMINUM GRAFFITI SHIELD LEFT RIDER SIDE PANEL
6/14	S-3 SHT 14	SPECIAL SIGN ASSEMBLIES	7/19	S-18 SHT 4	ALUMINUM GRAFFITI SHIELD CORNER
6/14	S-3 SHT 15	STRINGER DETAILS FOR SQUARE TUBE POSTS	7/19	S-18 SHT 5	ALUMINUM GRAFFITI SHIELD SPLICE PLATE
6/14	S-3 SHT 16	SQUARE TUBE SIGN POST FOUNDATION	7/19	S-18 SHT 6	ALUMINUM GRAFFITI SHIELD FIN
6/14	S-4	SQUARE TUBE POST SLIP BASE DETAILS	7/19	S-18 SHT 7	ALUMINUM GRAFFITI SHIELD TOP PANEL
6/14	S-4	W SHAPE BREAKAWAY POST FUSE PLATE AND HINGE DETAILS	7/19	S-18 SHT 8	ALUMINUM GRAFFITI SHIELD SIDE PANEL
6/22	S-5	W SHAPE BREAKAWAY POST DETAILS	7/19	S-18 SHT 9	ALUMINUM GRAFFITI SHIELD RIGHT TRANSITION FROM RIDER
6/22	S-6	S4x7.7 BREAKAWAY POST DETAILS	7/19	S-18 SHT 10	ALUMINUM GRAFFITI SHIELD LEFT TRANSITION FROM RIDER
6/14	S-7 SHT 1	ALUMINUM EXTRUSION SIGN PANEL DETAILS	7/19	S-18 SHT 11	ALUMINUM GRAFFITI SHIELD SPLICE PLATE FOR FIN
6/14	S-7 SHT 2	ALUMINUM EXTRUSION AUXILIARY SIGN INSTALLATION DETAILS	12/18	C-1	SAND BARREL CRASH CUSHION
5/15	S-7 SHT 3	ALUMINUM EXTRUSION EXIT PANEL INSTALLATION DETAIL	12/18	C-2	SAND BARREL CRASH CUSHION TYPICAL INSTALLATION
6/14	S-8 SHT 1	FLAT SHEET ALUMINUM PANEL ON BREAKAWAY POSTS INSTALLATION DETAIL	6/14	C-3 SHT 1	PRECAST CONCRETE BARRIER STRUCTURAL DETAILS
6/14	S-8 SHT 2	ALUMINUM EXTRUSION SIGN TO PERFORATED POSTS INSTALLATION DETAIL	6/14	C-3 SHT 2	PRECAST CONCRETE BARRIER PIN AND LOOP ASSEMBLY
8/22	S-9 SHT 1	SIGN INSTALLATION ON POLE	6/14	C-4 SHT 1	MEDIAN CROSSOVER
8/22	S-9 SHT 2	SIGNS (BACK TO BACK) INSTALLATION ON POLE	6/14	C-4 SHT 2	TYPICAL END TREATMENTS FOR DETOURS USING TEMPORARY CONCRETE BARRIER (TCB)
8/22	S-9 SHT 3	SIGN INSTALLATION ON SIGNAL POLE	6/14	C-5 SHT 1	APPROACH PLATE AND TRANSITION SECTION FOR TEMPORARY CONCRETE BARRIER
8/22	S-9 SHT 4	SIGN INSTALLATION ON POLE BAND-TYPE CLAMP	6/14	C-5 SHT 2	APPROACH PLATE AND TRANSITION SECTION FOR TEMPORARY CONCRETE BARRIER
6/14	S-10	MILEPOST AND REFERENCE LOCATION SIGNS			
11/22	S-11 SHT 1	TAPERED TUBE SIGN STRUCTURE SINGLE BEAM			
4/19	S-11 SHT 2	TAPERED TUBE SIGN STRUCTURE SINGLE BEAM POST AND BEAM DETAILS			

ADOT STANDARD DRAWINGS REVISION DATES and STANDARD NO.'s REVIEW			
SIGNING & MARKING STANDARDS	NAME	DATE	
	A. BARAKOVIC	5/24/2024	
PROJECT NO.	0000 MA PEO T0321 01C	1B-2	OF 51
RECORD DRAWING DATA	FEDERAL ID NO. PEO-0(229)T	REC. DWG. DATE	OF

ADOT STANDARD DRAWINGS
TRAFFIC SIGNAL AND LIGHTING STANDARDS
(SHEET 1 OF 2)
EFFECTIVE DECEMBER 2023

REVISION DATE	STANDARD NUMBER	SUBJECT : TRAFFIC SIGNALS AND LIGHTING DETAILS
	T.S. 0	ABBREVIATIONS, SYMBOLS AND DEFINITIONS
05/15	0-1	STANDARD ABBREVIATIONS
01/12	0-2 SHT 1	PLAN SYMBOLS
01/12	0-2 SHT 2	PLAN SYMBOLS
01/12	0-2 SHT 3	PLAN SYMBOLS
03/10	0-3 SHT 1	STANDARD DEFINITIONS
03/10	0-3 SHT 2	STANDARD DEFINITIONS
11/22	0-4	REFERENCE DOCUMENTS AND GENERAL REQUIREMENTS
	T.S. 1	PULL BOXES
09/11	1-1 SHT 1	LIGHT DUTY - LIGHT WEIGHT NO. 5 AND NO. 7 PULL BOX
09/11	1-1 SHT 2	LIGHT DUTY - LIGHT WEIGHT NO. 5 AND NO. 7 SLOPE WALL BODY PULL BOX DETAILS
03/15	1-2	HEAVY DUTY NO. 5 AND NO. 7 STRAIGHT BODY WALL PULL BOX DETAILS
09/11	1-3	REPLACEMENT LID SIZING FOR EXISTING NO. 5 AND NO. 7 PULL BOXES
09/11	1-4 SHT 1	TYPICAL PULL BOX INSTALLATION AND WIRING DETAILS
09/11	1-4 SHT 2	TYPICAL PULL BOX INSTALLATION AND WIRING DETAILS
09/11	1-4 SHT 3	TYPICAL PULL BOX INSTALLATION DETAILS
09/11	1-5 SHT 1	ELECTRICAL CONDUIT COVER AND TRENCH REQUIREMENTS
09/11	1-5 SHT 2	CONDUIT EXPANSION COUPLINGS
09/11	1-6	CONDUCTOR REQUIREMENTS
03/10	1-7	TRAFFIC SIGNAL IMSA CABLE COLOR CODES
09/11	1-8 SHT 1	FRONT OF BARRIER JUNCTION BOX
09/11	1-8 SHT 2	BACK OF BARRIER JUNCTION BOX
09/11	1-9	TOP OF BARRIER JUNCTION BOX DETAILS
09/11	1-10	TOP OF BARRIER JUNCTION BOX DETAILS
10/13	1-11 SHT 1	HEAVY DUTY LIGHTING NO. 4 AND NO. 6 PULL BOX
10/13	1-11 SHT 2	HEAVY DUTY LIGHTING NO. 4 AND NO. 6 PULL BOX
03/15	1-11 SHT 3	HEAVY DUTY LIGHTING NO. 4 AND NO. 6 PULL BOX LID
03/15	1-12 SHT 1	PRECAST HEAVY DUTY LIGHTING NO. 4B AND NO. 6B PULL BOX
03/15	1-12 SHT 2	PRECAST HEAVY DUTY LIGHTING NO. 4B AND NO. 6B PULL BOX
	T.S. 2	FOUNDATIONS
03/10	2-1	FOUNDATION FOR TYPE II LOAD CENTER CABINET
03/10	2-2	FOUNDATION FOR TYPE IV LOAD CENTER CABINET
03/10	2-3	FOUNDATION FOR TYPE III CONTROL CABINET
03/10	2-4	FOUNDATION FOR TYPE IV AND V CONTROL CABINETS
03/10	2-5	FOUNDATION FOR TYPE 340 CONTROL CABINET
03/10	2-6	METER PEDESTAL CABINET FOUNDATION AND BASE
03/15	2-7	TRAFFIC SIGNAL UPS CABINET FOUNDATION DETAIL
	T.S. 3	CABINETS
12/12	3-0	NOTES FOR TYPE II AND IV LOAD CENTER CABINETS
03/10	3-1	TYPE II LOAD CENTER CABINET
03/10	3-2	TYPE IV LOAD CENTER CABINET
03/10	3-3	TYPE II OR IV LOAD CENTER CABINET WIRING DETAILS 240/480 3W W/DISCONNECT
03/10	3-4 SHT 1	PHOTO ELECTRIC CELL MOUNTING DETAILS
03/10	3-4 SHT 2	PHOTO ELECTRIC CELL MOUNTING DETAILS
03/10	3-5 SHT 1	TYPE I AND II METER PEDESTAL CABINET
12/12	3-5 SHT 2	METER PEDESTAL CABINET
03/10	3-6	TYPE III CONTROL CABINET
03/10	3-7	POLE MOUNTED TYPE III CONTROL CABINET
03/10	3-8 SHT 1	POLE MOUNT DETAILS FOR TYPE III CONTROL CABINET
03/10	3-8 SHT 2	POLE MOUNT DETAILS FOR TYPE III CONTROL CABINET
03/10	3-9 SHT 1	TYPE IV AND V CONTROL CABINET NOTES
03/10	3-9 SHT 2	TYPE IV CONTROL CABINET
03/10	3-9 SHT 3	TYPE V CONTROL CABINET
03/10	3-10	CABINET EXTENSION OR ELEVATOR BASE
03/10	3-11	CONTROL CABINET MOUNTED SERVICE ENCLOSURE
03/10	3-12 SHT 1	120/240 OR 240/480 VOLT, SINGLE PHASE UTILITY PULL SECTION AND SERVICE DISCONNECT DETAILS
03/10	3-12 SHT 2	120/240 OR 240/480 VOLT, SINGLE PHASE UTILITY PULL SECTION AND SERVICE DISCONNECT DETAILS
03/10	3-13 SHT 1	TRAFFIC SIGNALS AND LIGHTING MODEL 345 CABINET DETAILS
03/10	3-13 SHT 2	TRAFFIC SIGNALS AND LIGHTING MODEL 345 CABINET DETAILS
03/10	3-13 SHT 3	TRAFFIC SIGNALS AND LIGHTING MODEL 345 CABINET CAGE DETAILS

REVISION DATE	STANDARD NUMBER	SUBJECT : TRAFFIC SIGNALS AND LIGHTING DETAILS
	T-SL. 4	POLES AND POSTS
11/22	4.01	TYPE A POLE
11/22	4.02	TYPE S POLE
11/22	4.03	TYPE T POLE
11/22	4.04	TYPE S AND TYPE T STEEL TWIN LUMINAIRE MOUNTING BRACKET AND EXTENSIONS
11/22	4.05	ALUMINUM TYPE S POLE
11/22	4.06	ALUMINUM TYPE T POLE
11/22	4.07	TYPE G POLE
11/22	4.08	ALUMINUM TYPE G POLE
11/22	4.09	ALUMINUM TYPE H POLE
11/22	4.10	ALUMINUM TYPE I POLE
11/22	4.11	GENERAL NOTES FOR TRAFFIC SIGNALS AND LIGHTING POLES WITH MAXIMUM LOADING CASE
04/19	4.12	TYPE J POLES (25-J, 30-J, 35-J, AND 40-J) WITH 25 FT TO 40 FT MAST ARM SPAN LENGTH
04/19	4.13	TYPE Q POLES (25-QL, 30-QL, 35-QL, AND 40-QL) WITH 25 FT TO 40 FT MAST ARM SPAN LENGTH WITH LUMINAIRES
04/19	4.14	TYPE K POLES (45-K, 50-K, AND 55-K) WITH 45 FT TO 55 FT MAST ARM SPAN LENGTH
04/19	4.15	TYPE R POLES (45-RL, 50-RL, AND 55-RL) WITH 45 FT TO 55 FT MAST ARM SPAN LENGTH WITH LUMINAIRES
11/22	4.16	TYPE V POLES (60-V AND 65-V) WITH 60 FT TO 65 FT MAST ARM SPAN LENGTH
11/22	4.17	TYPE W POLES (60-WL AND 65-WL) WITH 60 FT TO 65 FT MAST ARM SPAN LENGTH WITH LUMINAIRES
11/22	4.18	POLE HAND HOLE DETAILS
11/22	4.19	TYPE U POLE (ELLIPTICAL BASE) DETAILS
11/22	4.20	TYPE U POLE (ROUND POLE WITH SQUARE BASE) NOTES
04/19	4.21	TYPE U POLE (ROUND POLE WITH SQUARE BASE) FOUNDATION DETAILS
04/19	4.22	TYPE U POLE (ROUND POLE WITH SQUARE BASE) DEATILS 1
04/19	4.23	TYPE U POLE (ROUND POLE WITH SQUARE BASE) DEATILS 2
04/19	4.24	TYPE U POLE (ROUND POLE WITH SQUARE BASE) PIPE TENON DETAILS
04/19	4.25	TYPE U POLE (ROUND POLE WITH SQUARE BASE) TWIN LUMINAIRE BRACKET DETAILS
04/19	4.26	EQUIPMENT MOUNTING HEIGHT DETAILS
04/19	4.27	PEDESTRIAN PUSH BUTTON POST "TYPE PB POLE"
11/22	4.28	POLE FOUNDATION ANCHOR BOLTS
04/19	4.29	STEEL MAST ARM DETAILS LUMINAIRE AND SIGNAL ARMS TO 20'
04/19	4.30	ALUMINUM TRUSS MAST ARM DETAILS FOR TYPE G, H, AND I POLES
04/19	4.31	SIGNAL MAST ARM TENON DETAIL
04/19	4.32	TYPICAL HIGHWAY LIGHTING OFFSETS IN CUT AND FILL SECTIONS
11/22	4.33	STEEL ADAPTER PLATE FOR 30 FT ALUMINUM TYPE "G" OR TYPE "S" LIGHT POLES
	T.S. 5	POLE BASES - SPECIAL
05/21	5-0	TYPE 2 AND 3 CAST ALUMINUM BREAK-AWAY BASES
04/19	5-1	TYPE 2 CAST ALUMINUM BREAK-AWAY BASE
04/19	5-2	TYPE 3 CAST ALUMINUM BREAK-AWAY BASE
05/21	5-3	INSTALLATION DETAILS FOR POLE FOUNDATIONS WITH TYPE 2 AND 3 BREAK-AWAY BASES
	T.S. 6	HIGHWAY TRAFFIC DATA DETECTORS
03/10	6-1	TYPE C VEHICLE DETECTOR LOOPS FOR TRAFFIC COUNTERS
03/10	6-2 SHT 1	TYPE SA AND SB SPEED/VEHICLE CLASSIFICATION SYSTEMS
03/10	6-2 SHT 2	TYPE SA SPEED/VEHICLE CLASSIFICATION SYSTEMS
03/10	6-2 SHT 3	TYPE SB SPEED/VEHICLE CLASSIFICATION SYSTEMS
12/12	6-3	PIEZOELECTRIC WEIGHT SENSOR AND LOOP LANE LAYOUT
12/12	6-4 SHT 1	DETECTOR LOOPS AND PIEZOELECTRIC SENSOR DETAILS
12/12	6-4 SHT 2	DETECTOR LOOPS AND PIEZOELECTRIC SENSOR DETAILS
03/15	6-4 SHT 3	DETAIL A PIEZOELECTRIC SENSOR DETAILS
12/12	6-4 SHT 4	DETAIL B DETECTOR LOOP DETAILS
12/12	6-4 SHT 5	DETECTOR LOOPS AND PIEZOELECTRIC SENSOR DETAILS
03/10	6-5	MICROLOOPS FOR SPEED/VEHICLE CLASSIFICATION
03/10	6-6	QUARTZ PIEZOELECTRIC WEIGHT SENSOR AND LOOP LANE LAYOUT
03/10	6-7	TRAFFIC DATA COLLECTION CABINET INSTALLATION DETAILS
03/10	6-8	TYPE MPD CABINET POLE, BASE AND FOUNDATION INSTALLATION DETAILS

ADOT STANDARD DRAWINGS REVISION DATES and STANDARD NO.'s REVIEW			
NAME		DATE	
TRAFFIC SIGNAL & LIGHTING STANDARDS		A. BARAKOVIC	
PROJECT NO.		5/24/2024	
0000 MA PEO T0321 01C		1C-1	OF 51
RECORD DRAWING DATA	FEDERAL ID NO. PEO-0(229)T	REC. DWG. DATE	OF

ADOT STANDARD DRAWINGS
TRAFFIC SIGNAL AND LIGHTING STANDARDS
(SHEET 2 OF 2)
EFFECTIVE DECEMBER 2023

REVISION DATE	STANDARD NUMBER	SUBJECT : TRAFFIC SIGNALS AND LIGHTING DETAILS
	T.S. 7	TRAFFIC SIGNAL DETECTORS
03/10	7-1 SHT 1	LOOP DETECTOR LOCATION SAWCUT PATTERNS AND INSTALLATION DETAILS
03/10	7-1 SHT 2	SAW CUT AND CORING DETAILS
03/15	7-1 SHT 3	SAW CUT AND CORING DETAILS
03/10	7-1 SHT 4	TYPICAL DETECTOR LOOP LEAD-IN ROAD TO PULL BOX DETAIL
03/10	7-1 SHT 5	LOOP DETECTOR LOCATION AND INSTALLATION DETAILS
03/10	7-2	PRE-FORMED LOOP DETECTORS FOR RAMP METERING AND COUNTING
03/10	7-3	PRE-FORMED LOOP DETECTORS IN BRIDGE DECK
03/10	7-4	PRE-FORMED LOOP DETECTORS IN PCCP
03/10	7-5	TYPICAL PRE-FORMED LOOP DETECTOR STUB-OUT DETAIL
	T.S. 8	SIGNAL ASSEMBLIES
12/23	8-0	TRAFFIC SIGNAL VEHICLE FACE ASSEMBLY REQUIREMENTS AND DETAILS
12/23	8-1	VEHICLE TRAFFIC SIGNAL FACE ASSEMBLY
12/23	8-2	VEHICLE TRAFFIC SIGNAL FACE ASSEMBLY
10/13	8-4 SHT 1	12-INCH VEHICLE TRAFFIC SIGNAL HOUSING/SECTION
01/12	8-4 SHT 2	12-INCH VEHICLE TRAFFIC SIGNAL HOUSING/SECTION NOTES
01/12	8-4 SHT 3	VEHICLE TRAFFIC SIGNAL HOUSING/SECTION DETAILS
03/10	8-4 SHT 4	VISORS FOR 8-INCH AND 12-INCH VEHICLE TRAFFIC SIGNAL FACE ASSEMBLIES
01/12	8-5	FLASHING BEACON SIGNAL FACE ASSEMBLY
01/12	8-6	LED LAMP FOR PROGRAMMED VISIBILITY SIGNAL
01/12	8-7 SHT 1	PEDESTRIAN SIGNAL ASSEMBLY REQUIREMENTS AND DETAILS
01/12	8-7 SHT 2	PEDESTRIAN SIGNAL ASSEMBLY HOUSING
01/12	8-7 SHT 3	PEDESTRIAN SIGNAL ASSEMBLY VISOR
	T.S. 9	MOUNTING ASSEMBLIES - SIGNAL
03/10	9-0 SHT 1	MOUNTING ASSEMBLY GENERAL REQUIREMENTS
03/10	9-0 SHT 2	MOUNTING ASSEMBLY GENERAL REQUIREMENTS
03/10	9-1	TYPE I AND II MOUNTING ASSEMBLIES
03/10	9-2	TYPE III AND IV MOUNTING ASSEMBLIES
10/13	9-3	TYPE V MOUNTING ASSEMBLY
03/10	9-4	TYPE VI MOUNTING ASSEMBLY
03/10	9-5	TYPE VII MOUNTING ASSEMBLY
03/10	9-6	TYPE VIII MOUNTING ASSEMBLY
03/10	9-7	TYPE IX MOUNTING ASSEMBLY
03/10	9-8	TYPE X MOUNTING ASSEMBLY
03/10	9-9	TYPE XI MOUNTING ASSEMBLY
	T.S. 10	MOUNTING CASTINGS - SIGNAL
03/10	10-1	MISCELLANEOUS SIGNAL MOUNTING PARTS
03/10	10-2	MAST ARM SIGNAL MOUNTING PLUMBIZER
03/10	10-3	SIGNAL MOUNTING POLE PLATE DETAILS
03/10	10-4	TERMINAL COMPARTMENT, SIDE MOUNTED AND POLE TOP MOUNTED
	T.S. 11	PEDESTRIAN DETAILS
03/15	11-1	TYPE I PEDESTRIAN PUSH BUTTON HOUSING ASSEMBLY
03/15	11-2	CAN STYLE PEDESTRIAN PUSH BUTTON
	T.S. 12	FLASHERS
03/10	12-1 SHT 1	ADVANCE WARNING FLASHER POLE DETAIL
03/10	12-1 SHT 2	ADVANCE WARNING FLASHER POLE SIGN MOUNTING DETAILS
03/10	12-1 SHT 3	ADVANCE WARNING FLASHER POLE DETAIL
	T.S. 13	ILLUMINATION - SIGNS
03/10	13-1	SIGN LIGHTING DETAIL FOR TUBULAR SIGN STRUCTURES
03/10	13-2	FUSE PANEL DETAILS FOR SIGN LIGHTING
03/15	13-3	PLACEMENT OF LIGHTING FIXTURES FOR OVERHEAD SIGNS
	T.S. 14	ILLUMINATION - SPECIAL
03/10	14-1 SHT 1	HIGH PRESSURE SODIUM (HPS) LAMPS
03/10	14-1 SHT 2	HIGH PRESSURE SODIUM (HPS) LAMPS
03/10	14-1 SHT 3	HIGH PRESSURE SODIUM (HPS) LAMPS
03/10	14-2	PEDESTRIAN BRIDGE LIGHTING DETAILS

REVISION DATE	STANDARD NUMBER	SUBJECT : TRAFFIC SIGNALS AND LIGHTING DETAILS
	T.S. 15	SPAN WIRE SIGNALS AND LIGHTING
04/19	15-0 SHT 1	GENERAL NOTES
04/19	15-0 SHT 2	GENERAL NOTES
04/19	15-0 SHT 3	GENERAL NOTES
04/19	15-1 SHT 1	STEEL POLE TYPICAL DETAILS
04/19	15-1 SHT 2	STEEL POLE FOUNDATION DETAILS
04/19	15-1 SHT 3	STEEL POLE ATTACHMENT DETAILS
04/19	15-1 SHT 4	WOOD POLE TYPICAL DETAILS
04/19	15-1 SHT 5	WOOD POLE TYPICAL DETAILS
04/19	15-1 SHT 6	TYPICAL DETAILS
01/12	15-2	HANGER AND BALANCE ADJUSTER TYPICAL DETAILS
01/12	15-3 SHT 1	SIGNAL ASSEMBLY DETAILS
01/12	15-3 SHT 2	CONDUCTOR ENTRANCE HEADS TYPE A, B AND C
01/12	15-3 SHT 3	ALUMINUM PIPE EXTENSION AND TYPICAL DETAILS
01/12	15-4 SHT 1	ADJUSTABLE SIGN HANGER TYPICAL DETAILS
01/12	15-4 SHT 2	ADJUSTABLE SIGN HANGER TYPICAL DETAILS
01/12	15-4 SHT 3	ADJUSTABLE SIGN HANGER TYPICAL DETAILS
01/12	15-5	ADJUSTABLE HANGER TOP AND EXTENSION DETAILS
01/12	15-6	SIGNAL TETHER CLAMP TYPICAL DETAILS
01/12	15-7	POLE BAND TYPICAL DETAILS
01/12	15-8	WEATHERHEAD TYPICAL DETAILS

ADOT STANDARD DRAWINGS REVISION DATES and STANDARD NO.'s REVIEW			
TRAFFIC SIGNAL AND LIGHTING STANDARDS	NAME	DATE	
	A. BARAKOVIC	5/24/2024	
PROJECT NO.	0000 MA PEO T0321 01C	1C-2	OF 51
RECORD DRAWING DATA	FEDERAL ID NO. PEO-0(229)T	REC. DWG. DATE	OF

ADOT STANDARD DRAWINGS

STRUCTURE DETAIL DRAWINGS
EFFECTIVE OCTOBER 2023

DATE	STANDARD	SUBJECT TITLE	DATE	STANDARD	SUBJECT TITLE
RAILINGS			DRAINAGE STRUCTURES (Continued)		
02/23	SD 1.10 (1 OF 2)	38" SINGLE SLOPE BRIDGE BARRIER AND TRANSITION	07/12	SD 6.33 (1 OF 8)	PIPE CULVERT HEADWALLS - 30° SKEW INLET
06/21	SD 1.10 (2 OF 2)	38" SINGLE SLOPE BRIDGE BARRIER AND TRANSITION	07/12	SD 6.33 (2 OF 8)	PIPE CULVERT HEADWALLS - 30° SKEW INLET - 2 :1 SLOPE
02/23	SD 1.11 (1 OF 1)	42" SINGLE SLOPE BRIDGE BARRIER AND TRANSITION	07/12	SD 6.33 (3 OF 8)	PIPE CULVERT HEADWALLS - 30° SKEW INLET - 4 :1 SLOPE
06/21	SD 1.11 (2 OF 2)	42" SINGLE SLOPE BRIDGE BARRIER AND TRANSITION	07/12	SD 6.33 (4 OF 8)	PIPE CULVERT HEADWALLS - 30° SKEW INLET - 6 :1 SLOPE
06/23	SD 1.12	COMBINATION PEDESTIAN-TRAFFIC BRIDGE RAILING	07/12	SD 6.33 (5 OF 8)	PIPE CULVERT HEADWALLS - 30° SKEW OUTLET
01/20	SD 1.13	PEDESTRIAN FENCE FOR BRIDGE RAILING SD1.12	07/12	SD 6.33 (6 OF 8)	PIPE CULVERT HEADWALLS - 30° SKEW OUTLET - 2 :1 SLOPE
01/20	SD 1.20	32' TYPE F ROADWAY BARRIER TRANSITION TO 38' SINGLE SLOPE BARRIER	07/12	SD 6.33 (7 OF 8)	PIPE CULVERT HEADWALLS - 30° SKEW OUTLET - 4 :1 SLOPE
01/20	SD 1.21	32' TYPE F ROADWAY BARRIER TRANSITION TO 42' SINGLE SLOPE BARRIER	07/12	SD 6.33 (8 OF 8)	PIPE CULVERT HEADWALLS - 30° SKEW OUTLET - 6 :1 SLOPE
01/20	SD 1.22	42' TYPE F ROADWAY BARRIER TRANSITION TO 42' SINGLE SLOPE BARRIER	07/12	SD 6.34 (1 OF 8)	PIPE CULVERT HEADWALLS - 45° SKEW INLET
01/20	SD 1.30	BARRIER JUNCTION BOX	07/12	SD 6.34 (2 OF 8)	PIPE CULVERT HEADWALLS - 45° SKEW INLET - 2 :1 SLOPE
APPROACHES			07/12	SD 6.34 (3 OF 8)	PIPE CULVERT HEADWALLS - 45° SKEW INLET - 4 :1 SLOPE
08/23	SD 2.01	APPROACH SLAB DETAILS	07/12	SD 6.34 (4 OF 8)	PIPE CULVERT HEADWALLS - 45° SKEW INLET - 6 :1 SLOPE
08/23	SD 2.02	TYPE 1 ANCHOR SLAB DETAILS	07/12	SD 6.34 (5 OF 8)	PIPE CULVERT HEADWALLS - 45° SKEW OUTLET
08/23	SD 2.03	TYPE 2 ANCHOR SLAB DETAILS	07/12	SD 6.34 (6 OF 8)	PIPE CULVERT HEADWALLS - 45° SKEW OUTLET - 2 :1 SLOPE
08/23	SD 2.04	SLOPE PAVING DETAILS	07/12	SD 6.34 (7 OF 8)	PIPE CULVERT HEADWALLS - 45° SKEW OUTLET - 4 :1 SLOPE
DECK JOINTS			07/12	SD 6.34 (8 OF 8)	PIPE CULVERT HEADWALLS - 45° SKEW OUTLET - 6 :1 SLOPE
02/20	SD 3.01	DECK JOINT ASSEMBLY - COMPRESSION SEAL	07/12	SD 6.35 (1 OF 2)	PIPE CULVERT HEADWALLS - MULTI-PIPE WITHOUT APRON
02/20	SD 3.02	DECK JOINT ASSEMBLY - STRIP SEAL	07/12	SD 6.35 (2 OF 2)	PIPE CULVERT HEADWALLS - MULTI-PIPE WITH OUTLET APRON
02/20	SD 3.03 (1 OF 2)	DECK JOINT ASSEMBLY - FLANGELESS STRIP SEAL	07/12	SD 6.36 (1 OF 4)	PIPE CULVERT HEADWALLS - OUTLET APRONS
02/20	SD 3.03 (2 OF 2)	DECK JOINT ASSEMBLY - FLANGELESS STRIP SEAL	07/12	SD 6.36 (2 OF 4)	PIPE CULVERT HEADWALLS - OUTLET APRON STEEL LIST - 2 :1 SLOPE
SUBSTRUCTURE			07/12	SD 6.36 (3 OF 4)	PIPE CULVERT HEADWALLS - OUTLET APRON STEEL LIST - 4 :1 SLOPE
11/12	SD 5.01	STRUCTURAL EXCAVATION - PAYMENT LIMITS	07/12	SD 6.36 (4 OF 4)	PIPE CULVERT HEADWALLS - OUTLET APRON STEEL LIST - 6 :1 SLOPE
11/12	SD 5.02	STRUCTURE BACKFILL - PAYMENT LIMITS	RETAINING WALLS		
DRAINAGE STRUCTURES			12/21	SD 7.01 (1 OF 5)	RETAINING WALL (REINFORCED CONCRETE CANTILEVER)
05/15	SD 6.01 (1 OF 5)	REINFORCED CONCRETE BOX CULVERTS - MISCELLANEOUS DETAILS	12/21	SD 7.01 (2 OF 5)	RETAINING WALL (REINFORCED CONCRETE CANTILEVER)
02/12	SD 6.01 (2 OF 5)	REINFORCED CONCRETE BOX CULVERTS - MISCELLANEOUS DETAILS	12/21	SD 7.01 (3 OF 5)	RETAINING WALL (REINFORCED CONCRETE CANTILEVER)
02/12	SD 6.01 (3 OF 5)	REINFORCED CONCRETE BOX CULVERTS - EXTENSION DETAILS	12/21	SD 7.01 (4 OF 5)	RETAINING WALL (REINFORCED CONCRETE CANTILEVER)
02/12	SD 6.01 (4 OF 5)	REINFORCED CONCRETE BOX CULVERTS - STRUCTURAL EXCAVATION & STRUCTURE BACKFILL	12/21	SD 7.01 (5 OF 5)	RETAINING WALL (REINFORCED CONCRETE CANTILEVER)
05/15	SD 6.01 (5 OF 5)	REINFORCED CONCRETE BOX CULVERTS - SINGLE BARREL (0'-30' FILLS)	12/21	SD 7.02 (1 OF 2)	RETAINING WALL (MASONRY CANTILEVER)
05/15	SD 6.02 (1 OF 2)	REINFORCED CONCRETE BOX CULVERTS - DOUBLE BARREL (0'-15' FILLS)	12/21	SD 7.02 (2 OF 2)	RETAINING WALL (MASONRY CANTILEVER)
05/15	SD 6.02 (2 OF 2)	REINFORCED CONCRETE BOX CULVERTS - DOUBLE BARREL (15'-30' FILLS)	SOUND BARRIER WALLS		
05/15	SD 6.03 (1 OF 2)	REINFORCED CONCRETE BOX CULVERTS - TRIPLE BARREL (0'-15' FILLS)	06/22	SD 8.01	SOUND BARRIER WALL (CONCRETE)
05/15	SD 6.03 (2 OF 2)	REINFORCED CONCRETE BOX CULVERTS - TRIPLE BARREL (15'-30' FILLS)	06/22	SD 8.02 (1 OF 2)	SOUND BARRIER WALL (MASONRY)
05/15	SD 6.03 (1 OF 2)	REINFORCED CONCRETE BOX CULVERTS - TRIPLE BARREL (0'-15' FILLS)	06/22	SD 8.02 (2 OF 2)	SOUND BARRIER WALL (MASONRY)
05/15	SD 6.03 (2 OF 2)	REINFORCED CONCRETE BOX CULVERTS - TRIPLE BARREL (15'-30' FILLS)	TRAFFIC STRUCTURES		
05/15	SD 6.04 (1 OF 2)	REINFORCED CONCRETE BOX CULVERTS - FOUR BARREL (0'-15' FILLS)	04/19	SD 9.01 (1 OF 5)	MEDIAN SIGN STRUCTURE (TWO SIDED) - ELEVATION & NOTES
05/15	SD 6.04 (2 OF 2)	REINFORCED CONCRETE BOX CULVERTS - FOUR BARREL (15'-30' FILLS)	03/22	SD 9.01 (2 OF 5)	MEDIAN SIGN STRUCTURE (TWO SIDED) - FOUNDATION DETAILS
05/15	SD 6.05 (1 OF 2)	REINFORCED CONCRETE BOX CULVERTS - FIVE BARREL (0'-15' FILLS)	04/19	SD 9.01 (3 OF 5)	MEDIAN SIGN STRUCTURE (TWO SIDED) - TYPE A SIGN MOUNT ASSEMBLY
05/15	SD 6.05 (2 OF 2)	REINFORCED CONCRETE BOX CULVERTS - FIVE BARREL (15'-30' FILLS)	04/19	SD 9.01 (4 OF 5)	MEDIAN SIGN STRUCTURE (TWO SIDED) - TYPE B SIGN MOUNT ASSEMBLY
05/15	SD 6.06 (1 OF 2)	REINFORCED CONCRETE BOX CULVERTS - SIX BARREL (0'-15' FILLS)	04/19	SD 9.01 (5 OF 5)	MEDIAN SIGN STRUCTURE (TWO SIDED) - LIGHT SUPPORT AND MISC. DETAILS
05/15	SD 6.06 (2 OF 2)	REINFORCED CONCRETE BOX CULVERTS - SIX BARREL (15'-30' FILLS)	04/19	SD 9.02 (1 OF 5)	MEDIAN SIGN STRUCTURE (ONE SIDED) - ELEVATION & NOTES
02/12	SD 6.07	REINFORCED CONCRETE BOX CULVERTS - 16'x 14' EQUIPMENT PASS (0'-20' FILLS)	03/22	SD 9.02 (2 OF 5)	MEDIAN SIGN STRUCTURE (ONE SIDED) - FOUNDATION DETAILS
05/15	SD 6.08 (1 OF 8)	REINFORCED CONCRETE BOX CULVERTS - OUTLET WINGS - SKEW 0°to 20° - CULVERT HEIGHT 3'to 7'	04/19	SD 9.02 (3 OF 5)	MEDIAN SIGN STRUCTURE (ONE SIDED) - TYPE A SIGN MOUNT ASSEMBLY
02/12	SD 6.08 (2 OF 8)	REINFORCED CONCRETE BOX CULVERTS - OUTLET WINGS - SKEW 0°to 20° - CULVERT HEIGHT 8'to 12'	04/19	SD 9.02 (4 OF 5)	MEDIAN SIGN STRUCTURE (ONE SIDED) - TYPE B SIGN MOUNT ASSEMBLY
05/15	SD 6.08 (3 OF 8)	REINFORCED CONCRETE BOX CULVERTS - INLET WINGS - SKEW 0°to 20° - CULVERT HEIGHT 3'to 7'	04/19	SD 9.02 (5 OF 5)	MEDIAN SIGN STRUCTURE (ONE SIDED) - LIGHT SUPPORT AND MISC. DETAILS
02/12	SD 6.08 (4 OF 8)	REINFORCED CONCRETE BOX CULVERTS - INLET WINGS - SKEW 0°to 20° - CULVERT HEIGHT 8'to 12'	04/19	SD 9.10 (1 OF 5)	TUBULAR SIGN STRUCTURES - TUBULAR CANTILEVER - GENERAL PLAN
05/15	SD 6.08 (5 OF 8)	REINFORCED CONCRETE BOX CULVERTS - OUTLET WINGS - SKEW 25°to 45° - CULVERT HEIGHT 3'to 7'	09/23	SD 9.10 (2 OF 5)	TUBULAR SIGN STRUCTURES - TUBULAR CANTILEVER - FOUNDATION DETAILS
02/12	SD 6.08 (6 OF 8)	REINFORCED CONCRETE BOX CULVERTS - OUTLET WINGS - SKEW 25°to 45° - CULVERT HEIGHT 8'to 12'	04/19	SD 9.10 (3 OF 5)	TUBULAR SIGN STRUCTURES - TUBULAR CANTILEVER - POST AND MAST ARM DETAILS
05/15	SD 6.08 (7 OF 8)	REINFORCED CONCRETE BOX CULVERTS - INLET WINGS - SKEW 25°to 45° - CULVERT HEIGHT 3'to 7'	04/19	SD 9.10 (4 OF 5)	TUBULAR SIGN STRUCTURES - TUBULAR CANTILEVER - SIGN SUPPORT DETAILS
02/12	SD 6.08 (8 OF 8)	REINFORCED CONCRETE BOX CULVERTS - INLET WINGS - SKEW 25°to 45° - CULVERT HEIGHT 8'to 12'	09/23	SD 9.10 (5 OF 5)	TUBULAR SIGN STRUCTURES - TUBULAR CANTILEVER - LIGHT SUPPORT DETAILS
05/15	SD 6.09 (1 OF 3)	REINFORCED CONCRETE BOX CULVERTS - HEADWALL QUANTITIES - 2 :1 SLOPE	04/19	SD 9.20 (1 OF 5)	TUBULAR SIGN STRUCTURES - TUBULAR FRAME - GENERAL PLAN
05/15	SD 6.09 (2 OF 3)	REINFORCED CONCRETE BOX CULVERTS - HEADWALL QUANTITIES - 4 :1 SLOPE	09/23	SD 9.20 (2 OF 5)	TUBULAR SIGN STRUCTURES - TUBULAR FRAME - FOUNDATION DETAILS
05/15	SD 6.09 (3 OF 3)	REINFORCED CONCRETE BOX CULVERTS - HEADWALL QUANTITIES - 6 :1 SLOPE	04/19	SD 9.20 (3 OF 5)	TUBULAR SIGN STRUCTURES - TUBULAR FRAME - POST AND MAST ARM DETAILS
05/15	SD 6.10 (1 OF 2)	REINFORCED CONCRETE BOX CULVERTS - INLET OR OUTLET - LEVEL WINGS - CULVERT HEIGHT 3'to 7'	04/19	SD 9.20 (4 OF 5)	TUBULAR SIGN STRUCTURES - TUBULAR FRAME - SIGN SUPPORT DETAILS
02/12	SD 6.10 (2 OF 2)	REINFORCED CONCRETE BOX CULVERTS - INLET OR OUTLET - LEVEL WINGS - CULVERT HEIGHT 8'to 12'	09/23	SD 9.20 (5 OF 5)	TUBULAR SIGN STRUCTURES - TUBULAR FRAME - LIGHT SUPPORT AND MISC. DETAILS
02/12	SD 6.11 (1 OF 4)	REINFORCED CONCRETE BOX CULVERTS - OUTLET APRON DETAILS	04/19	SD 9.50 (1 OF 5)	VARIABLE MESSAGE SIGN - TUBULAR FRAME - PLAN & ELEVATION
05/15	SD 6.11 (2 OF 4)	REINFORCED CONCRETE BOX CULVERTS - OUTLET APRON - DIMENSIONS & QUANTITIES (2 :1 SLOPE)	04/19	SD 9.50 (2 OF 5)	VARIABLE MESSAGE SIGN - TUBULAR FRAME - MOUNTING DETAILS
05/15	SD 6.11 (3 OF 4)	REINFORCED CONCRETE BOX CULVERTS - OUTLET APRON - DIMENSIONS & QUANTITIES (4 :1 SLOPE)	04/19	SD 9.50 (3 OF 5)	VARIABLE MESSAGE SIGN - TUBULAR FRAME - MOUNTING & SIGN BRACKET DETAILS
05/15	SD 6.11 (4 OF 4)	REINFORCED CONCRETE BOX CULVERTS - OUTLET APRON - DIMENSIONS & QUANTITIES (6 :1 SLOPE)	04/19	SD 9.50 (4 OF 5)	VARIABLE MESSAGE SIGN - CATWALK - HANDRAIL DETAILS
02/23	SD 6.20 (1 OF 5)	PRECAST REINFORCED CONCRETE BOX CULVERTS - SINGLE BARREL NOTES & DIMENSIONS	04/19	SD 9.50 (5 OF 5)	VARIABLE MESSAGE SIGN - CATWALK - MISCELLANEOUS DETAILS
02/23	SD 6.20 (2 OF 5)	PRECAST REINFORCED CONCRETE BOX CULVERTS - MISCELLANEOUS DETAILS 1	04/19	SD 9.51	DUAL VARIABLE MESSAGE SIGN - TUBULAR FRAME
02/23	SD 6.20 (3 OF 5)	PRECAST REINFORCED CONCRETE BOX CULVERTS - END SECTION & CONNECTION DETAILS	04/19	SD 9.52 (1 OF 5)	DYNAMIC MESSAGE SIGN - TUBULAR FRAME - PLAN & ELEVATION
02/23	SD 6.20 (4 OF 5)	PRECAST REINFORCED CONCRETE BOX CULVERTS - MISCELLANEOUS DETAILS 2	04/19	SD 9.52 (2 OF 5)	DYNAMIC MESSAGE SIGN - TUBULAR FRAME - MOUNTING DETAILS
02/23	SD 6.20 (5 OF 5)	PRECAST REINFORCED CONCRETE BOX CULVERTS - MISCELLANEOUS DETAILS 3	04/19	SD 9.52 (3 OF 5)	DYNAMIC MESSAGE SIGN - TUBULAR FRAME - MOUNTING DETAILS
07/12	SD 6.30 (1 OF 5)	PIPE CULVERT HEADWALLS - MISCELLANEOUS DETAILS	04/19	SD 9.52 (4 OF 5)	DYNAMIC MESSAGE SIGN - CATWALK - HANDRAIL DETAILS
07/12	SD 6.30 (2 OF 5)	PIPE CULVERT HEADWALLS - INLET AND OUTLET - 18" to 42" PIPES	04/19	SD 9.52 (5 OF 5)	DYNAMIC MESSAGE SIGN - CATWALK - MISCELLANEOUS DETAILS
07/12	SD 6.30 (3 OF 5)	PIPE CULVERT HEADWALLS - RIGHT ANGLE INLET AND OUTLET - 48" to 84" PIPES	04/19	SD 9.53 (1 OF 5)	DMS (VARIABLE TILT CABINET) - TUBULAR FRAME - PLAN & ELEVATION
07/12	SD 6.30 (4 OF 5)	PIPE CULVERT HEADWALLS - SKEWED INLET AND OUTLET - 48" to 84" PIPES	04/19	SD 9.53 (2 OF 5)	DMS (VARIABLE TILT CABINET) - TUBULAR FRAME - MOUNTING DETAILS
07/12	SD 6.30 (5 OF 5)	PIPE CULVERT HEADWALLS - MULTI-PIPE - 48" to 84" PIPES	04/19	SD 9.53 (3 OF 5)	DMS (VARIABLE TILT CABINET) - TUBULAR FRAME - MOUNTING DETAILS
07/12	SD 6.31 (1 OF 8)	PIPE CULVERT HEADWALLS - RIGHT ANGLE INLET	04/19	SD 9.53 (4 OF 5)	DMS (VARIABLE TILT CABINET) - CATWALK - HANDRAIL DETAILS
07/12	SD 6.31 (2 OF 8)	PIPE CULVERT HEADWALLS - RIGHT ANGLE INLET - 2 :1 SLOPE	04/19	SD 9.53 (5 OF 5)	DMS (VARIABLE TILT CABINET) - CATWALK - MISCELLANEOUS DETAILS
07/12	SD 6.31 (3 OF 8)	PIPE CULVERT HEADWALLS - RIGHT ANGLE INLET - 4 :1 SLOPE	05/22	SD 9.60 (1 OF 7)	DYNAMIC MESSAGE SIGN (BUTTERFLY) - GENERAL PLAN AND ELEVATION
07/12	SD 6.31 (4 OF 8)	PIPE CULVERT HEADWALLS - RIGHT ANGLE INLET - 6 :1 SLOPE	05/22	SD 9.60 (2 OF 7)	DYNAMIC MESSAGE SIGN (BUTTERFLY) - FOUNDATION DETAILS
07/12	SD 6.31 (5 OF 8)	PIPE CULVERT HEADWALLS - RIGHT ANGLE OUTLET	05/22	SD 9.60 (3 OF 7)	DYNAMIC MESSAGE SIGN (BUTTERFLY) - DMS MONOTUBE ASSEMBLY
07/12	SD 6.31 (6 OF 8)	PIPE CULVERT HEADWALLS - RIGHT ANGLE OUTLET - 2 :1 SLOPE	05/22	SD 9.60 (4 OF 7)	DYNAMIC MESSAGE SIGN (BUTTERFLY) - DMS MAST ARM DETAILS
07/12	SD 6.31 (7 OF 8)	PIPE CULVERT HEADWALLS - RIGHT ANGLE OUTLET - 4 :1 SLOPE	05/22	SD 9.60 (5 OF 7)	DYNAMIC MESSAGE SIGN (BUTTERFLY) - MISCELLANEOUS DETAIL
07/12	SD 6.31 (8 OF 8)	PIPE CULVERT HEADWALLS - RIGHT ANGLE OUTLET - 6 :1 SLOPE	05/22	SD 9.60 (6 OF 7)	DYNAMIC MESSAGE SIGN (BUTTERFLY) - CATWALK ASSEMBLY AND HANDRAIL
07/12	SD 6.32 (1 OF 8)	PIPE CULVERT HEADWALLS - 15° SKEW INLET	05/22	SD 9.60 (7 OF 7)	DYNAMIC MESSAGE SIGN (BUTTERFLY) - CATWALK DETAILS
07/12	SD 6.32 (2 OF 8)	PIPE CULVERT HEADWALLS - 15° SKEW INLET - 2 :1 SLOPE			
07/12	SD 6.32 (3 OF 8)	PIPE CULVERT HEADWALLS - 15° SKEW INLET - 4 :1 SLOPE			
07/12	SD 6.32 (4 OF 8)	PIPE CULVERT HEADWALLS - 15° SKEW INLET - 6 :1 SLOPE			
07/12	SD 6.32 (5 OF 8)	PIPE CULVERT HEADWALLS - 15° SKEW OUTLET			
07/12	SD 6.32 (6 OF 8)	PIPE CULVERT HEADWALLS - 15° SKEW OUTLET - 2 :1 SLOPE			
07/12	SD 6.32 (7 OF 8)	PIPE CULVERT HEADWALLS - 15° SKEW OUTLET - 4 :1 SLOPE			
07/12	SD 6.32 (8 OF 8)	PIPE CULVERT HEADWALLS - 15° SKEW OUTLET - 6 :1 SLOPE			

ADOT STANDARD DRAWINGS			
REVISION DATES and STANDARD NO.'s REVIEW			
	NAME	DATE	
STRUCTURES STANDARDS	G. KOWATCH	5/24/2024	
PROJECT NO.	0000 MA PEO T0321 01C	1D	OF 51
RECORD DRAWING DATA	FEDERAL ID NO. PEO-0(229)T	REC. DWG. DATE	OF

MIDPOINT OF PROJECT

Central Zone
State Plane Coordinates
X=607387.345
Y=958184.273

LENGTH OF PROJECT

Sta 10+00.90 to 24+02.22 = 1,401.32'
Sta 30+20.00 to 31+20.65 = 100.65'
Sta 40+80.18 to 41+24.09 = 43.91'
Sta 41+33.91 to 42+07.00 = 73.09'
Gross and Net Length 1,618.97' = 0.31 Miles

INDEX OF SHEETS

SHEET NO.	DWG NO.	SHEET TITLE
1	-	Face Sheet
1A - 1B - 1C - 1D	-	ADOT Standard Drawings
2	G-01.01	Design Sheet
3	G-02.01	Typical Sections & Pavement Structural Sections
4 - 11	G-03.01 - G-03.08	Detail Sheets
12	C-01.01	Geometric Layout and Survey Control Sheet
13	C-01.02	Geometric Data Sheet
14-16	C-02.01 - C-02.03	Removal Sheets
17-20	C-03.01 - C-03.04	Plan & Profile Sheets
21-22	T-01.01 - T-01.02	Traffic Control Sheets
23-24	T-02.01 - T-02.02	Signing and Striping Sheets
25	T-02.03	Sign Summary and Sign Detail Sheet
26	L-01.01	Underdeck Lighting Plan
27	L-01.02	Lighting Detail Sheet
28	EC-01.01	Control Measure Index Sheet
29	EC-01.02	Erosion Control Summary Sheet
30-31	EC-02.01 - EC-02.02	Erosion Control Detail Sheets
32-34	EC-03.01 - EC-03.03	Erosion Control Plan Sheets
35-46	S-01.01 - S-01.12	Structural Plans
47-51	SF-01.01 - SF-01.05	Structural Foundation Plans

GENERAL NOTES

Roadway plans have been designed utilizing the Construction Standard Drawings (C-Series) and current revisions. Refer to the 1A sheet for a listing of current revision dates.

Where only the horizontal location of an existing utility is shown, the location is approximate. Where both the horizontal and vertical location of an existing utility is shown, the location has been verified by field survey methods. The contractor shall comply with all current Blue Stake laws and Section 107.15 of the Specifications.

The average project elevation is 1200 ft.

New Right of Way is not required.

No material is permitted to be stockpiled within river area.

EARTHWORK QUANTITIES

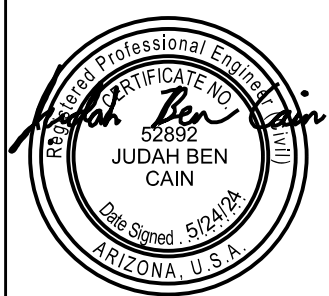

Roadway Excavation	2,078 CY
10% Shrink	31 CY
Structural Excavation	187 CY
10% Shrink	19 CY
Structure Backfill	50 CY
Embankment (Incl Ground Compaction)	399 CY
Waste	1,766 CY

EARTHWORK FACTORS

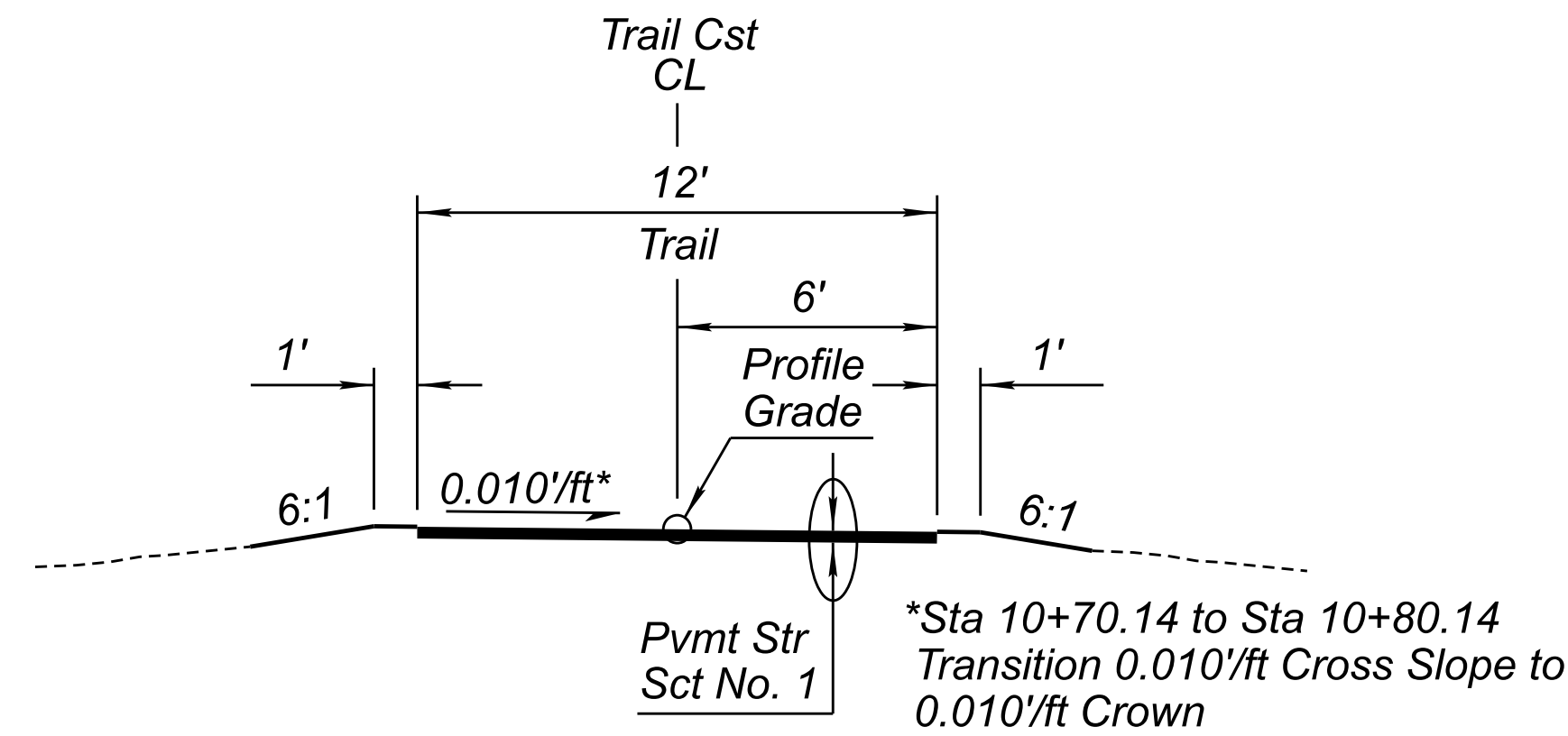
Location	Shrink/Swell	Ground Compaction
Stadium Trail (Project Wide)	10% Shrink	0.10'

THE FLOOD CONTROL DISTRICT OF MARICOPA COUNTY GENERAL CONSTRUCTION NOTES

- All work performed within Flood Control District of Maricopa County (District) rights-of-way (ROW) shall conform to the latest District Standard Procedures and Details as published on the District's web site.
- The Permittee shall obtain a copy of the executed District ROW Use Permit prior to commencement of work within District right-of-way, maintain a copy of the permit and stamped approved plans on the project site at all times, and shall be available upon request.
- The Permittee shall notify the District's assigned Operations and Maintenance (O&M) Inspector or Dam Safety Inspector at least 48 hours in advance prior to any excavation, backfill, slurry, concrete, and/or riprap placement being performed within the District's ROW. Refer to the executed District Permit for the O&M Inspector's contact information. If work is impacting a District Levee, Dam or Flood Retarding Structure (FRS), refer to the executed District Permit for the Levee/Dam Safety Inspector's contact information.
- The Permittee performing excavation operations is responsible for locating and protecting all underground utilities. To expedite this process, the Permittee shall call Arizona 811 (formally Arizona Blue Stake) at 811 or 1-800-782-5348 to identify underground utilities at least 48 hours in advance prior to start of the work.
- Any damage or disturbance to District structures, equipment, materials, vegetation, or surrounding District ROW shall be replaced or repaired, in-kind, to the satisfaction of the District's O&M Inspector or Levee/Dam Safety Inspector.
- In the event the terms and conditions in the District's permit are not consistent with the District-approved plans, the District's permit will have precedence.
- In order to close out the District's Permit and release performance bonds, all work (included associated punch-list items) must be completed in full to the satisfaction of the District's inspector and engineer. Certified as-built plans along with required quality assurance tests must be provided and accepted by the District, and all easements required by the project must be recorded prior to Permit closeout. If the work only involves geotechnical analysis, site investigations, surveys, or flood related studies, then finalized reports, studies and/or survey plans must be provided and accepted by the District prior to Permit closeout.

	DESIGN	TF	5/24	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SECTION	ROUTE	N/A	F.H.W.A. Arizona Division STATE: ARIZ.	PROJECT NO.	0000 MA PEO	FEDERAL AID NO.	PEO-0(229)T	SHEET NO.	2	TOTAL SHEETS	51	RECORD DRAWING
	DRAWN	SR	5/24		MILEPOST	-		LOCATION	75TH AVE TO SKUNK CREEK				DWG NO.	G-01.01		
	CHECKED	JBC	5/24		STRUCTURE NO.	-		TRACS NO.	T0321 01C			____ OF ____				

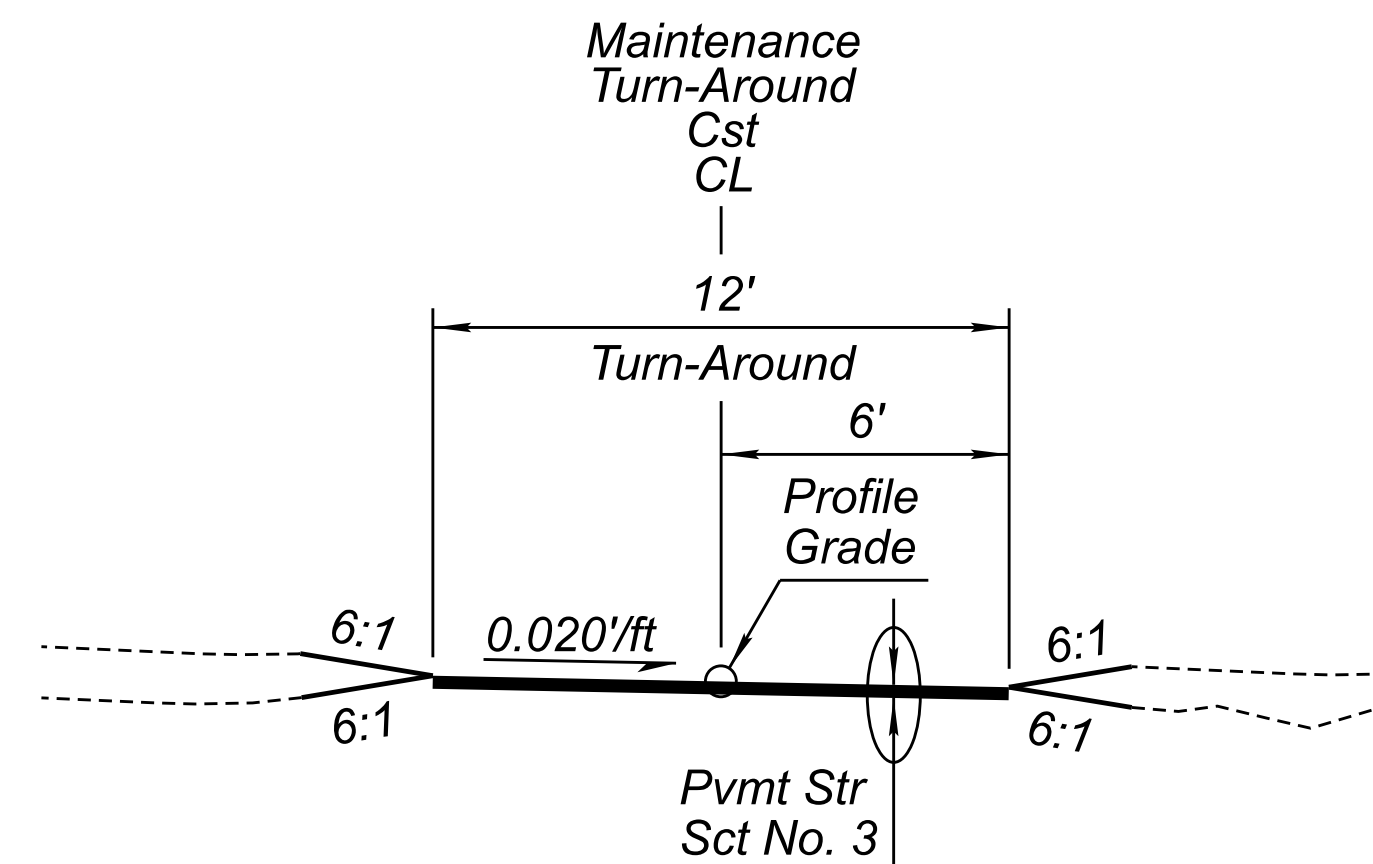




TRAIL TYPICAL SECTION

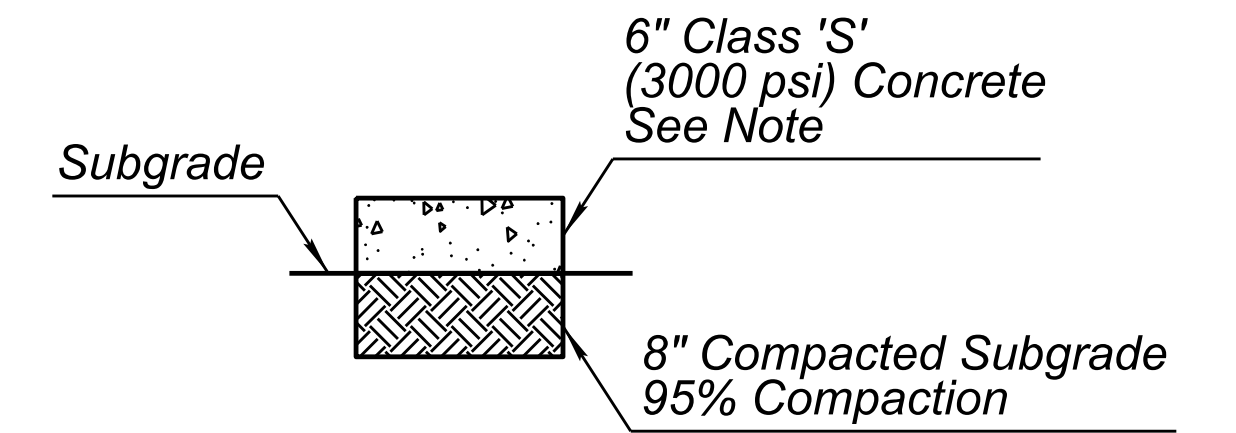
Sta 10+00.90 to Sta 10+80.14
NTS

*Sta 10+70.14 to Sta 10+80.14
Transition 0.010'/ft Cross Slope to
0.010'/ft Crown

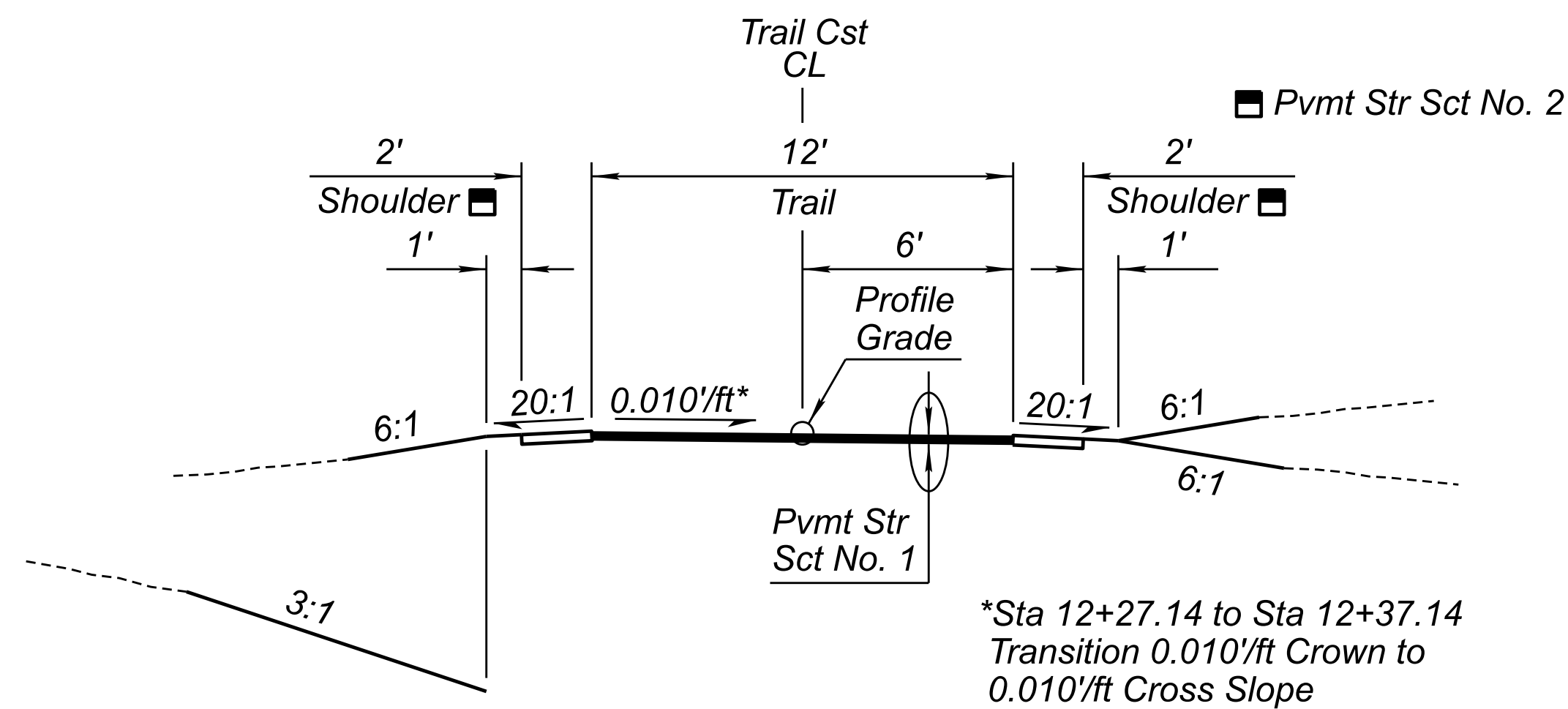


MAINTENANCE TURN-AROUND TYPICAL SECTION

Sta 30+20.00 to Sta 31+20.65
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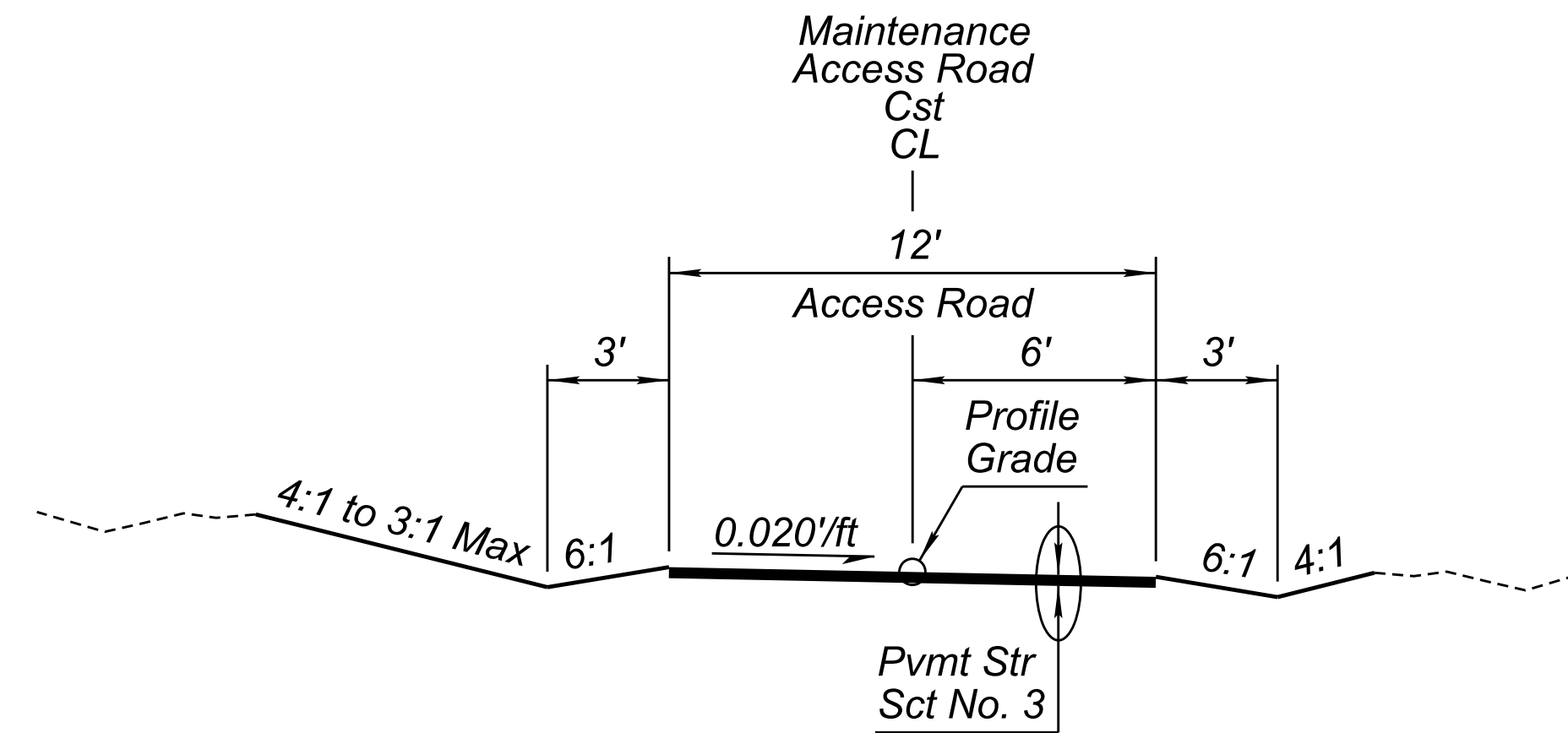
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PAVEMENT STRUCTURAL SECTION NO. 1



TRAIL TYPICAL SECTION

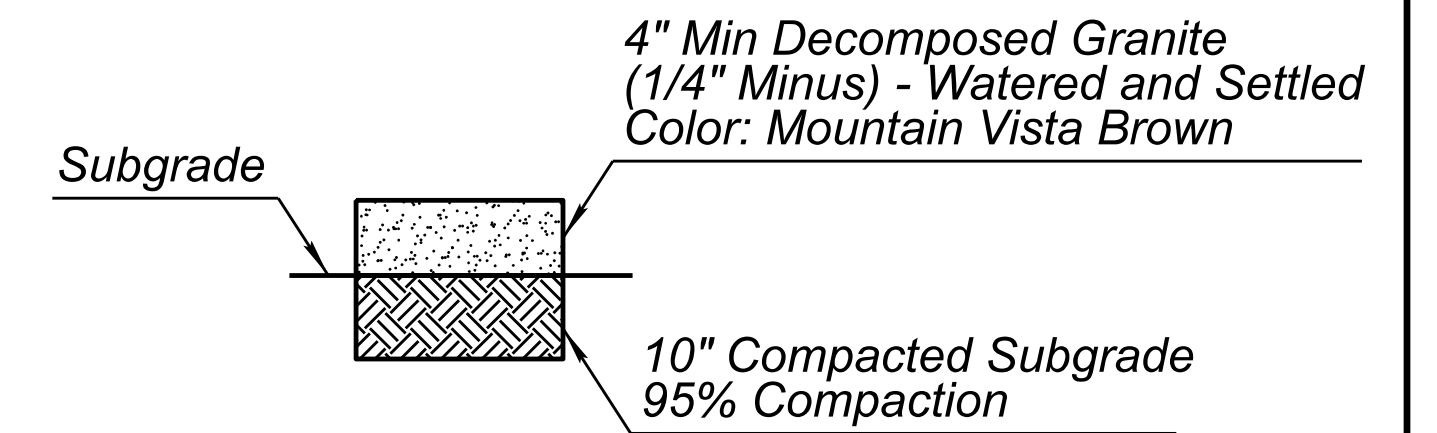
Sta 12+27.14 to Sta 17+55.85
NTS

*Sta 12+27.14 to Sta 12+37.14
Transition 0.010'/ft Crown to
0.010'/ft Cross Slope



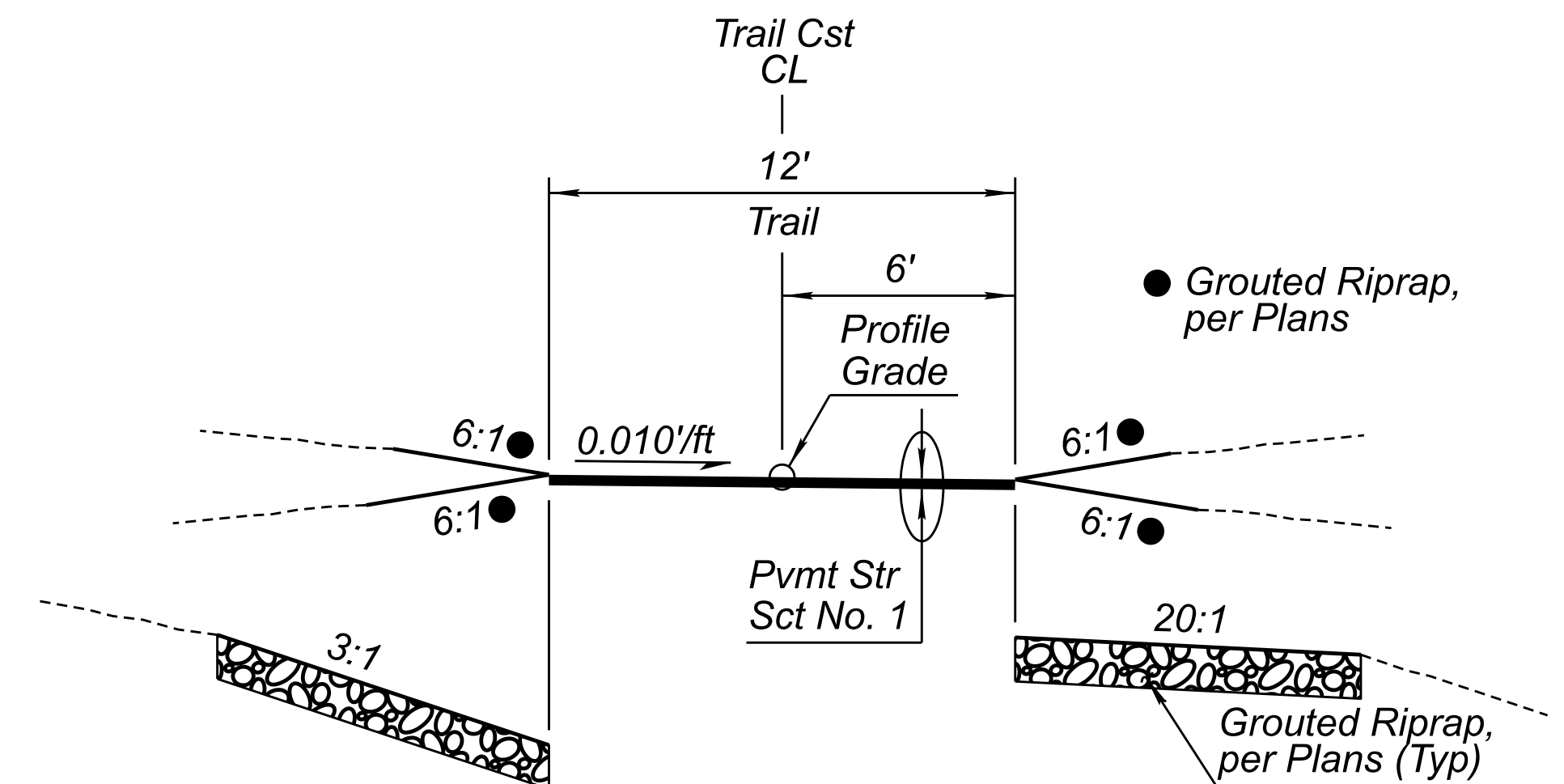
MAINTENANCE ACCESS ROAD TYPICAL SECTION

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Sta 41+33.91 to Sta 42+07.00
NTS



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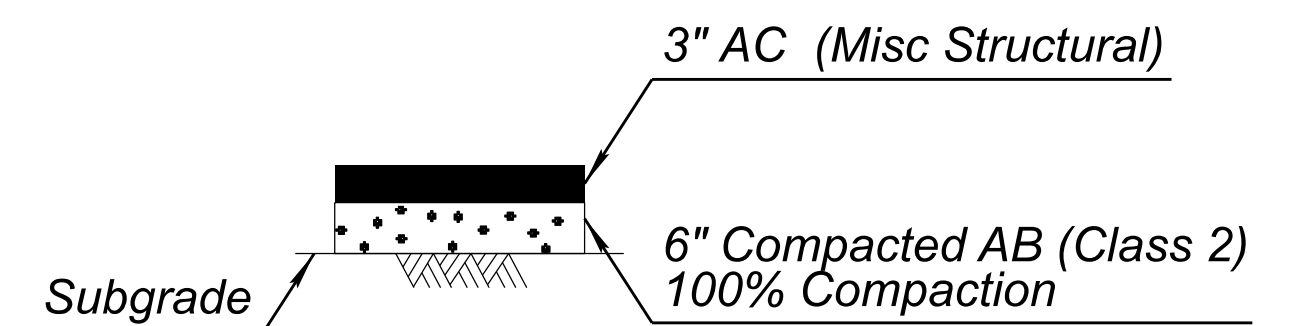
Sta 16+00.00 to Sta 17+56.76



TRAIL TYPICAL SECTION

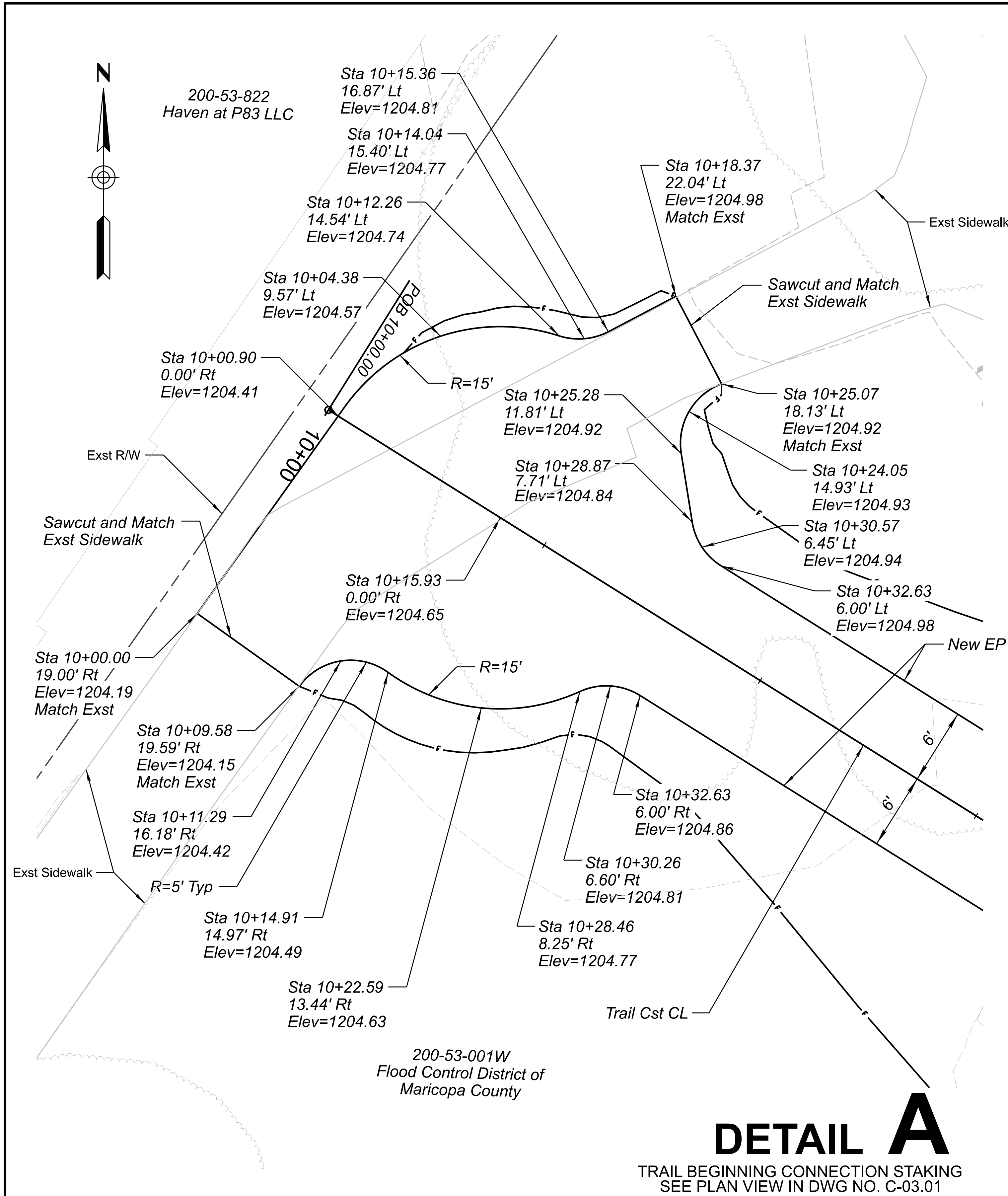
Sta 17+55.85 to Sta 24+02.22
NTS

Sta 17+55.85 to Sta 20+99.09



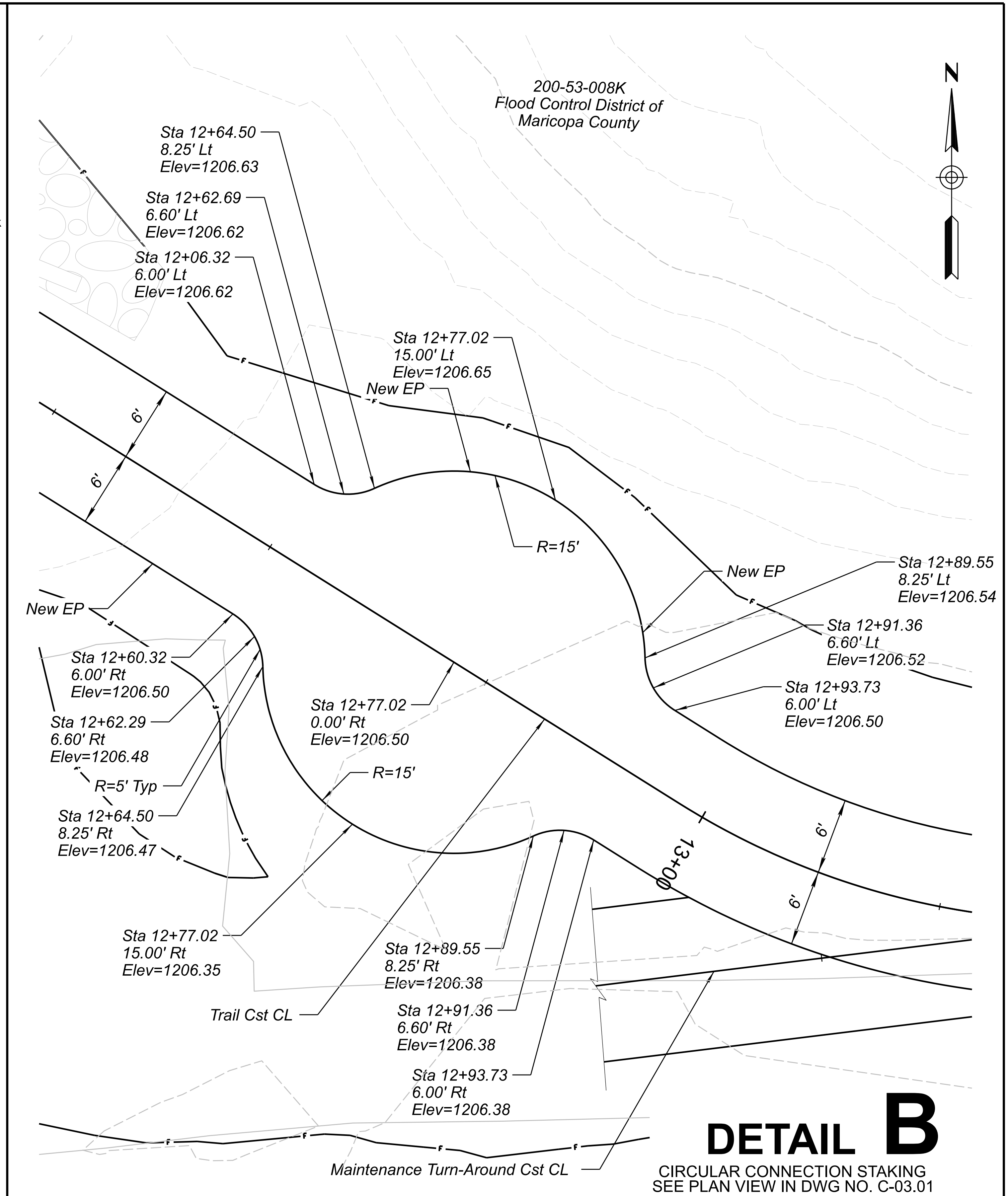
Total Thickness = 9"
PAVEMENT STRUCTURAL SECTION NO. 3

	DESIGN	TF	5/24	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SECTION	ROUTE	N/A	F.H.W.A. Arizona Division STATE: ARIZ.	PROJECT NO.	0000 MA PEO	FEDERAL AID NO.	PEO-0(229)T	SHEET NO.	3	TOTAL SHEETS	51	RECORD DRAWING
	DRAWN	SR	5/24		MILEPOST	-		LOCATION	75TH AVE TO SKUNK CREEK				DWG NO.	G-02.01		
	CHECKED	JBC	5/24		STRUCTURE NO.	-		TRACS NO.	T0321 01C			OF _____				



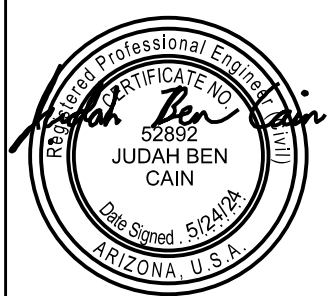

DETAIL A

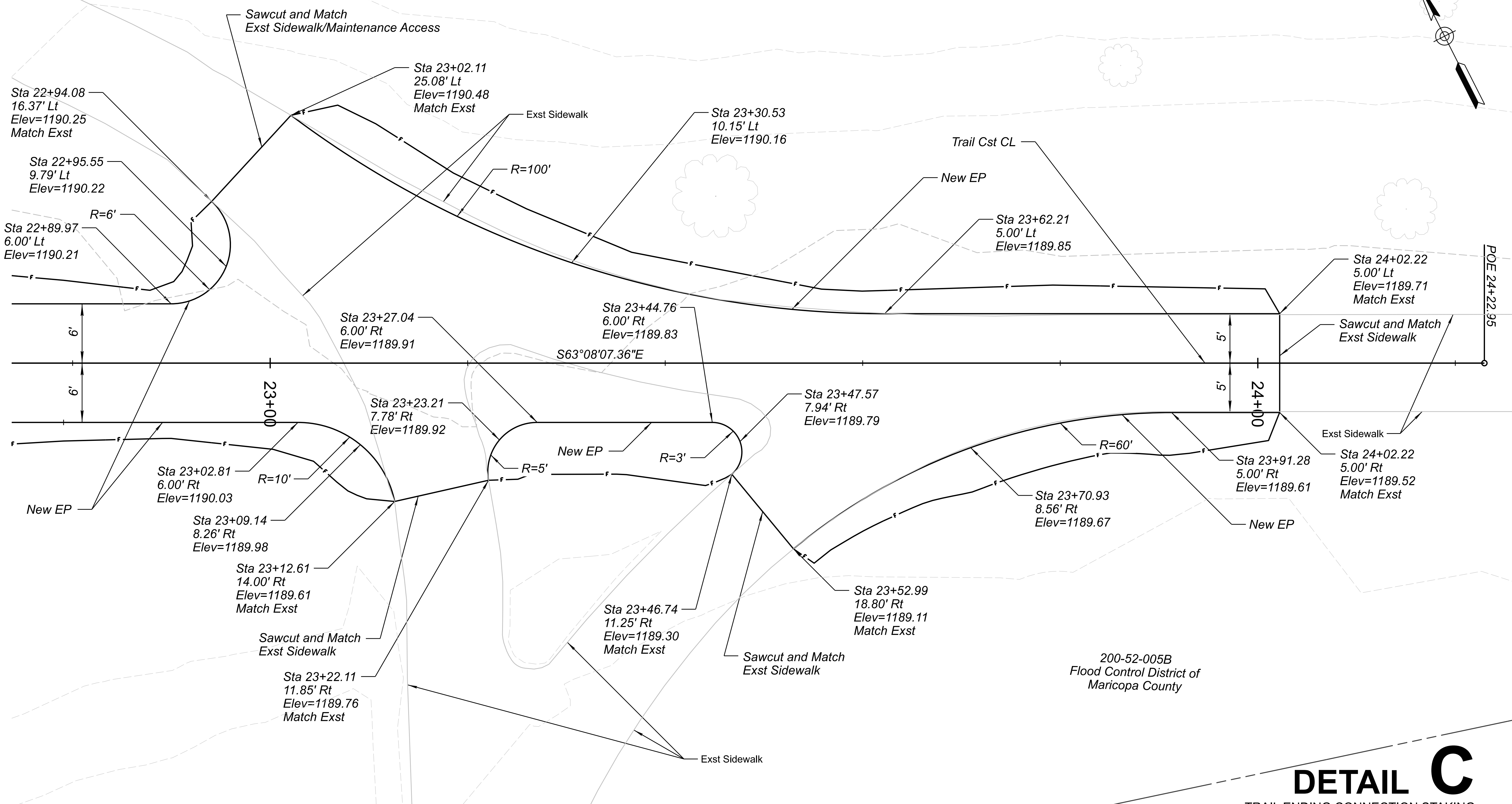
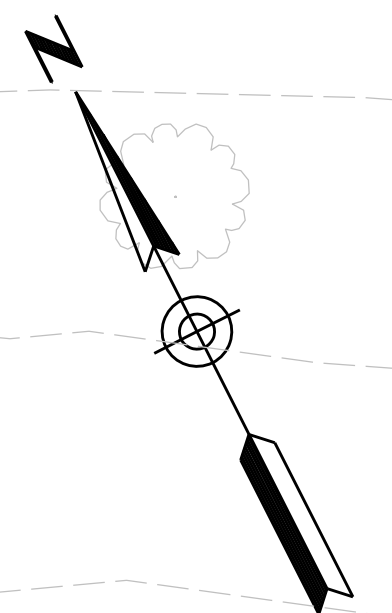
TRAIL BEGINNING CONNECTION STAKING
SEE PLAN VIEW IN DWG NO. C-03.01



DETAIL B

CIRCULAR CONNECTION STAKING
SEE PLAN VIEW IN DWG NO. C-03.01

	DESIGN	TF	DATE	5/24	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SECTION	ROUTE	N/A	F.H.W.A. Arizona Division STATE: ARIZ.	PROJECT NO.	0000 MA PEO	FEDERAL AID NO.	PEO-0(229)T	SHEET NO.	4	TOTAL SHEETS	51	RECORD DRAWING	
	DRAWN	SR		5/24		Jacobs <small>1501 W. FOUNTAINHEAD PKWY, SUITE 401 TEMPE, AZ 85282, PH: 480.966.8188 WWW.JACOBS.COM</small>	MILEPOST			LOCATION	75TH AVE TO SKUNK CREEK				DWG NO.	G-03.01		
	CHECKED	JBC		5/24	DETAIL SHEET DETAILS A & B	STRUCTURE NO.		TRACS NO.	T0321 01C				OF _____					

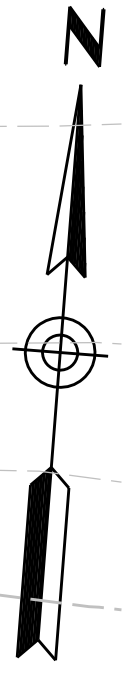


DETAIL C

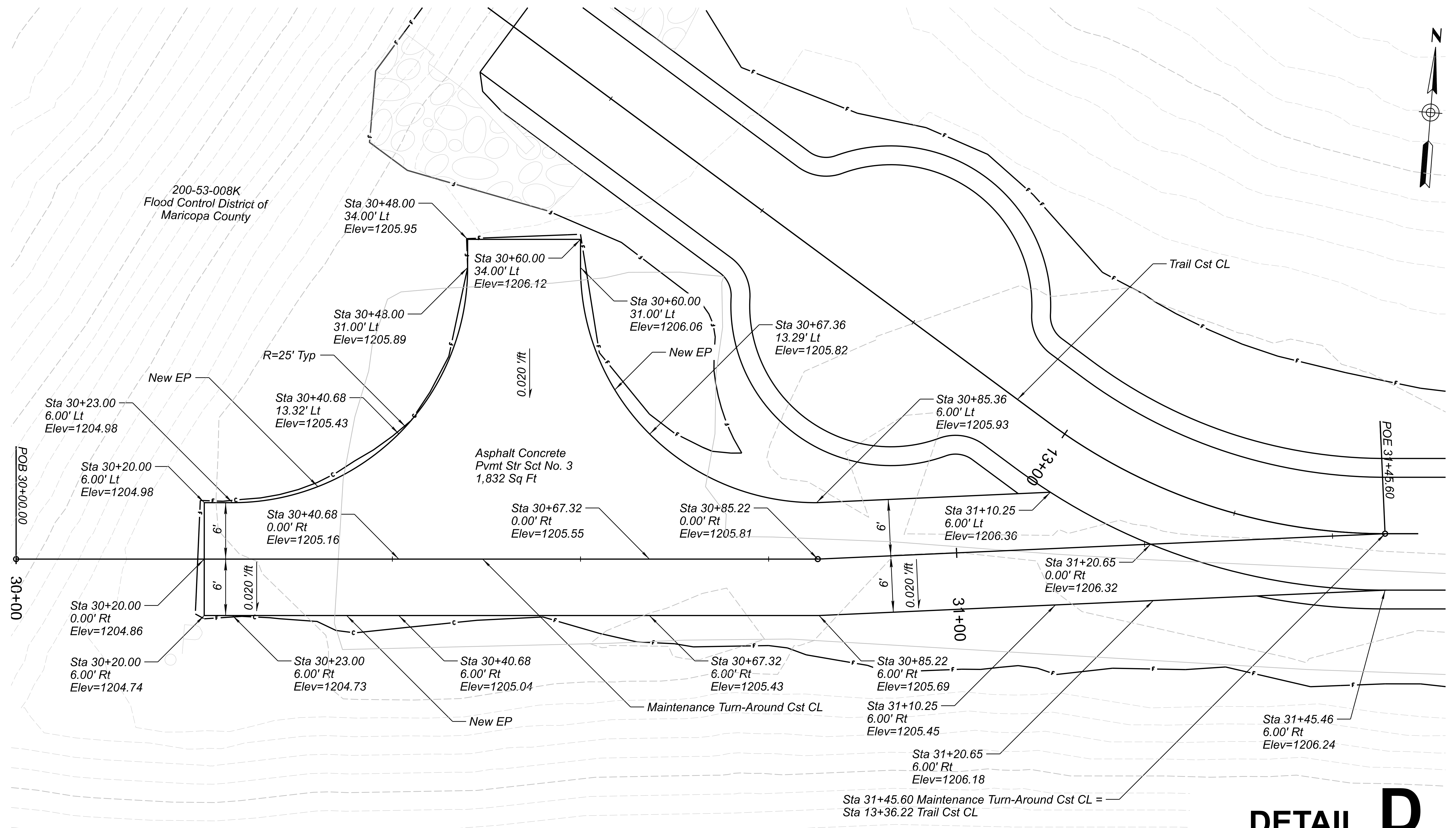
TRAIL ENDING CONNECTION STAKING
SEE PLAN VIEW IN DWG NO. C-03.03

	DESIGN	TF	DATE	5/24	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SECTION	ROUTE	N/A	F.H.W.A. Arizona Division STATE: ARIZ.	PROJECT NO.	0000 MA PEO	FEDERAL AID NO.	PEO-0(229)T	SHEET NO.	5	TOTAL SHEETS	51	RECORD DRAWING
	DRAWN	SR	DATE	5/24		LOCATION	75TH AVE TO SKUNK CREEK							DWG NO.	G-03.02		
	CHECKED	JBC	DATE	5/24		TRACS NO.	T0321 01C				OF						





200-53-008K
Flood Control District of
Maricopa County

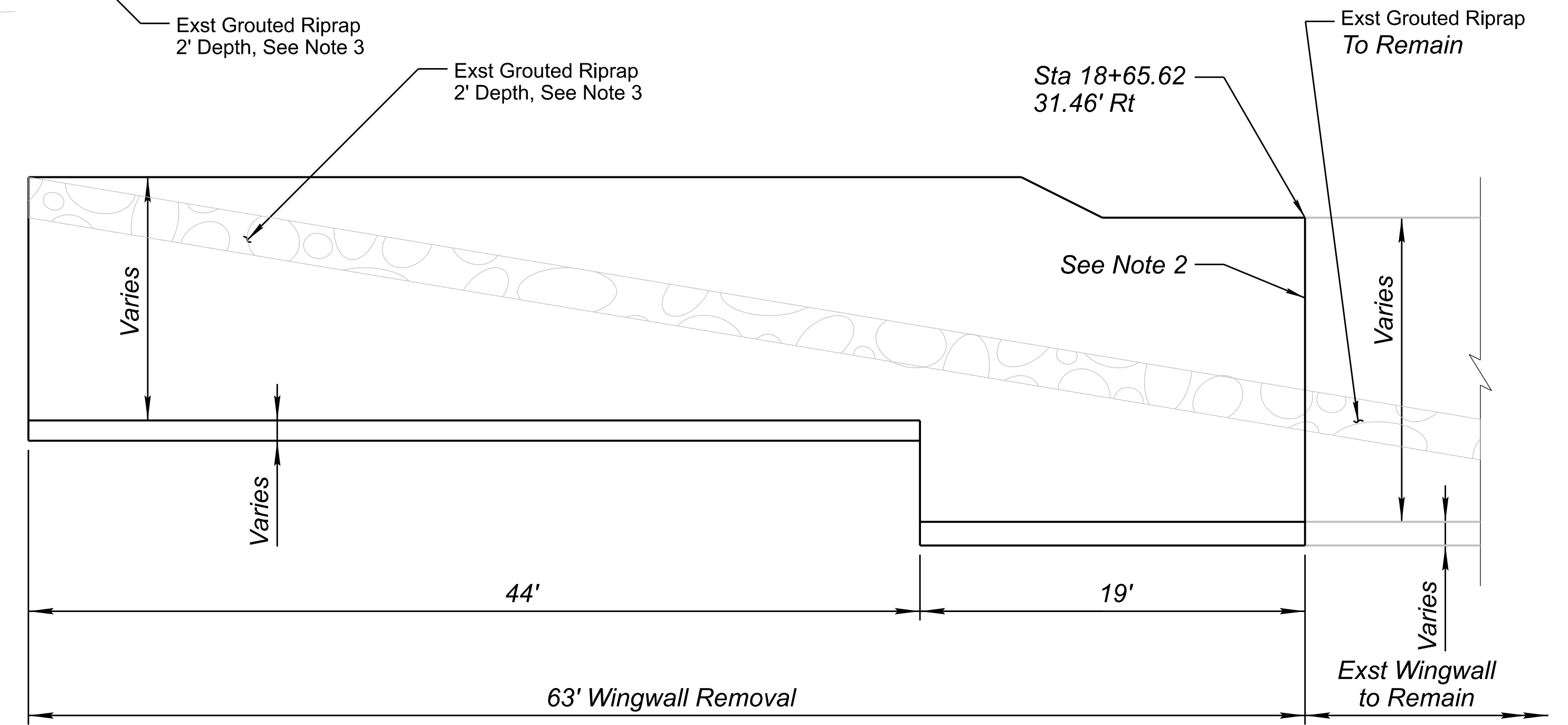
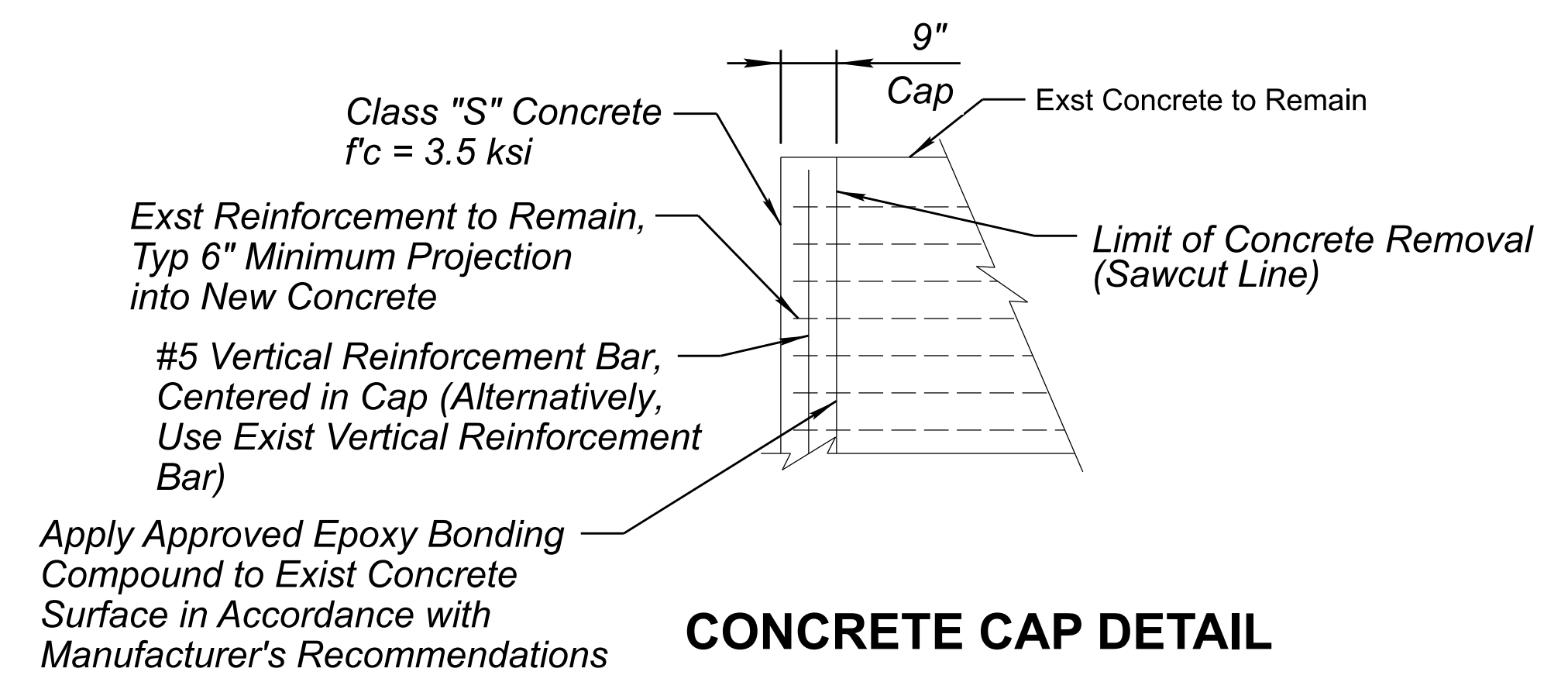
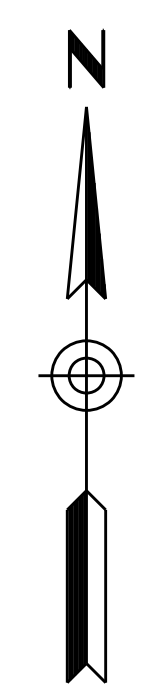
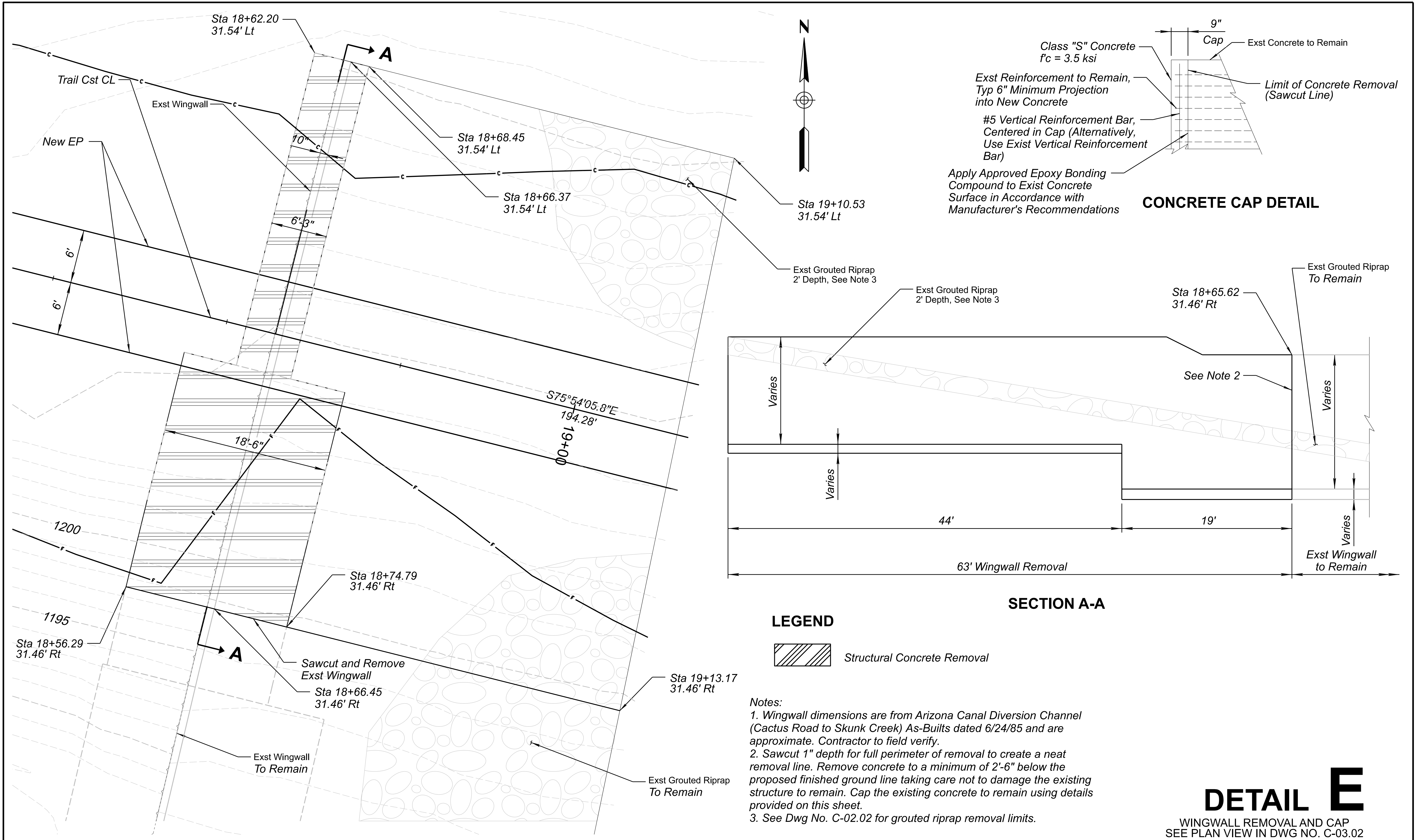


DETAIL D

MAINTENANCE TURN-AROUND STAKING
SEE PLAN VIEW IN DWG NO. C-03.01

	DESIGN	TF	DATE	5/24	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SECTION	ROUTE	N/A	F.H.W.A. Arizona Division STATE: ARIZ.	PROJECT NO.	0000 MA PEO	FEDERAL AID NO.	PEO-0(229)T	SHEET NO.	6	TOTAL SHEETS	51	RECORD DRAWING
	DRAWN	SR	DATE	5/24		MILEPOST	-		LOCATION	75TH AVE TO SKUNK CREEK							
	CHECKED	JBC	DATE	5/24		STRUCTURE NO.	-		TRACS NO.	T0321 01C					DWG NO.	G-03.03	





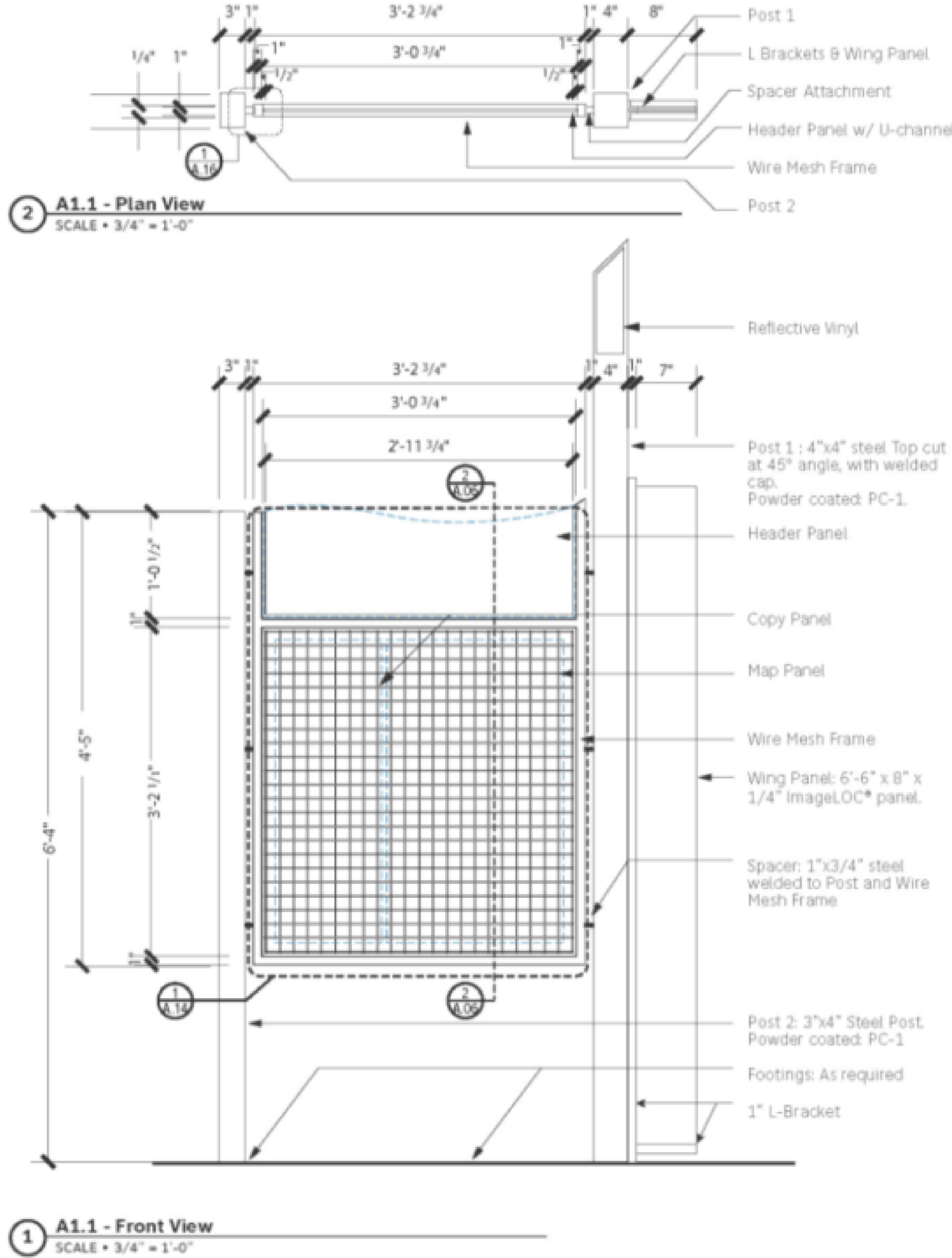
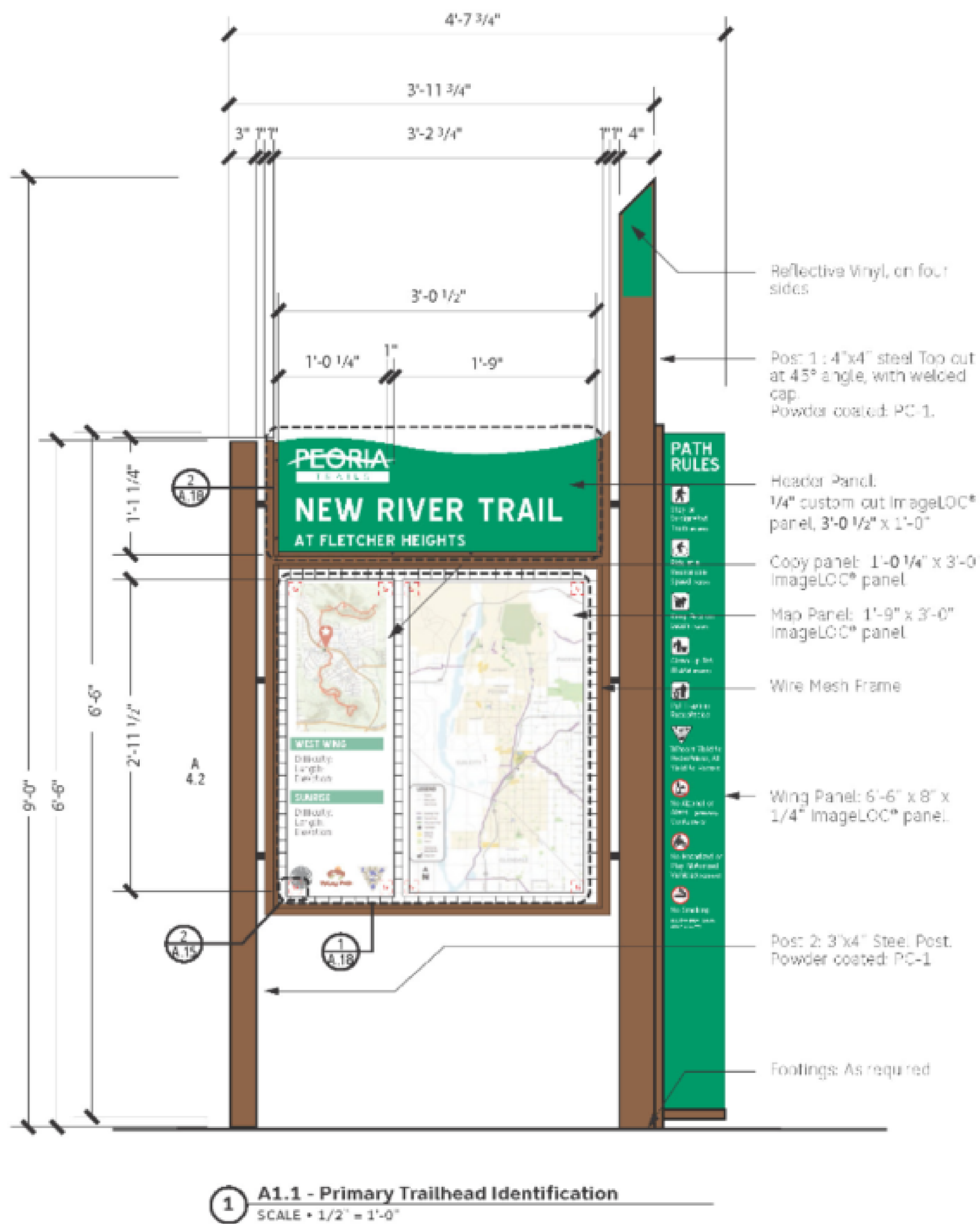
- Notes:**
1. Wingwall dimensions are from Arizona Canal Diversion Channel (Cactus Road to Skunk Creek) As-Built's dated 6/24/85 and are approximate. Contractor to field verify.
 2. Sawcut 1" depth for full perimeter of removal to create a neat removal line. Remove concrete to a minimum of 2'-6" below the proposed finished ground line taking care not to damage the existing structure to remain. Cap the existing concrete to remain using details provided on this sheet.
 3. See Dwg No. C-02.02 for grouted riprap removal limits.

DETAIL E

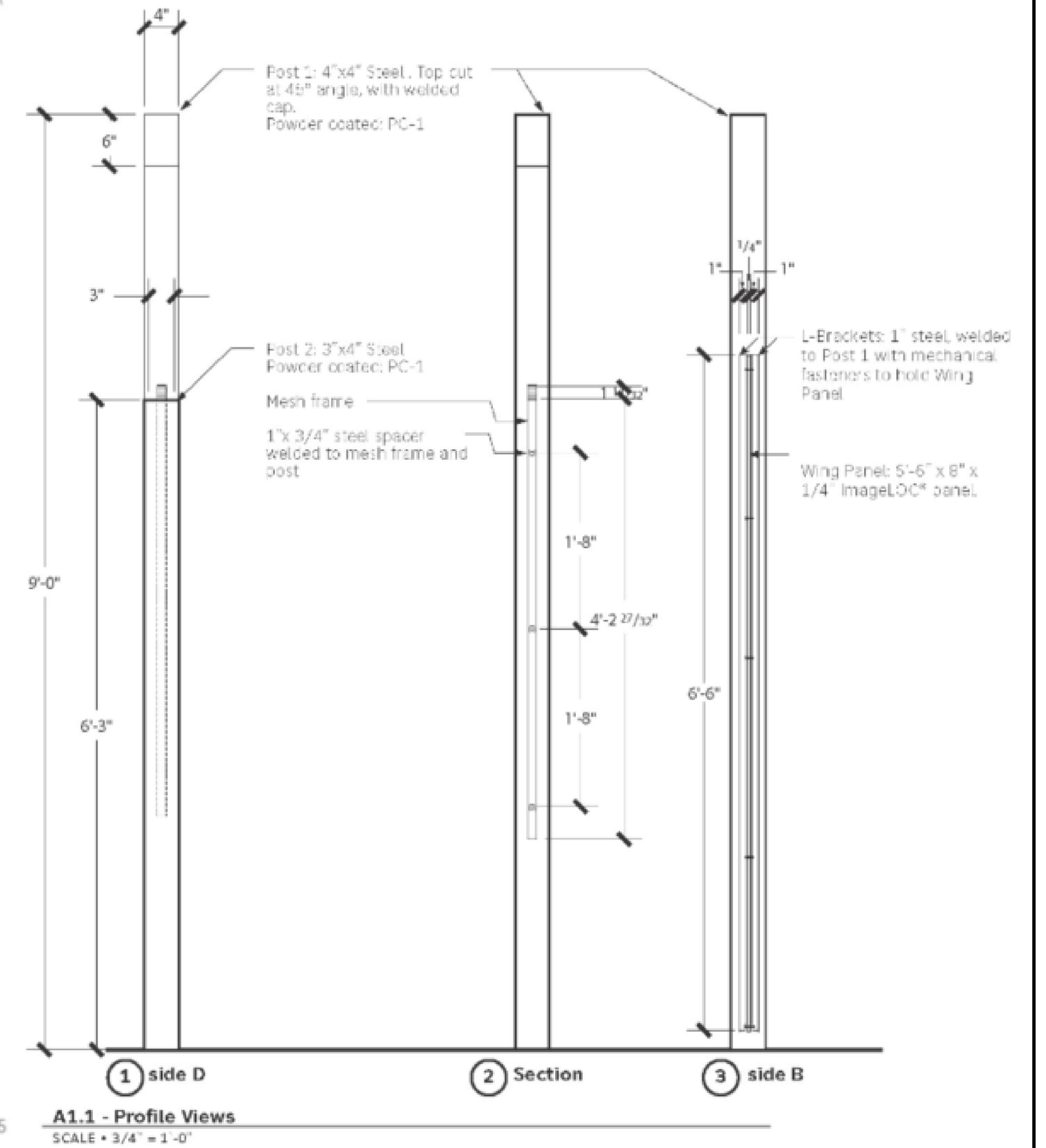
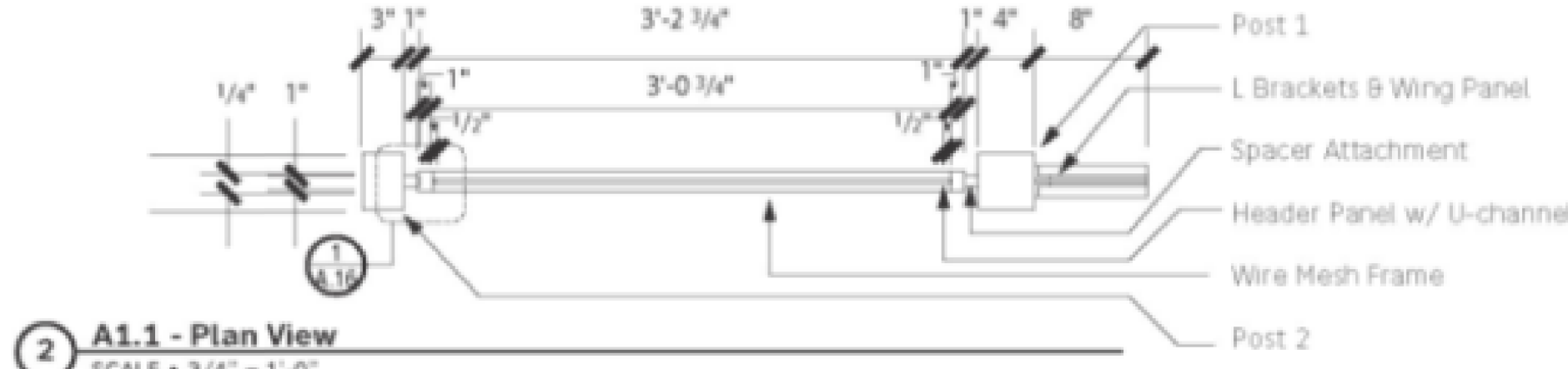
WINGWALL REMOVAL AND CAP
SEE PLAN VIEW IN DWG NO. C-03.02

	DESIGN	TF	DATE	5/24	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SECTION	ROUTE	N/A	F.H.W.A. Arizona Division STATE: ARIZ.	PROJECT NO.	0000 MA PEO	FEDERAL AID NO.	PEO-0(229)T	SHEET NO.	7	TOTAL SHEETS	51	RECORD DRAWING
	DRAWN	SR	DATE	5/24		MILEPOST	-		LOCATION	75TH AVE TO SKUNK CREEK				DWG NO.	G-03.04		
	CHECKED	JBC	DATE	5/24	STRUCTURE NO.		TRACS NO.	T0321 01C			OF						





a Trails :: Signage Drawings



DETAIL F

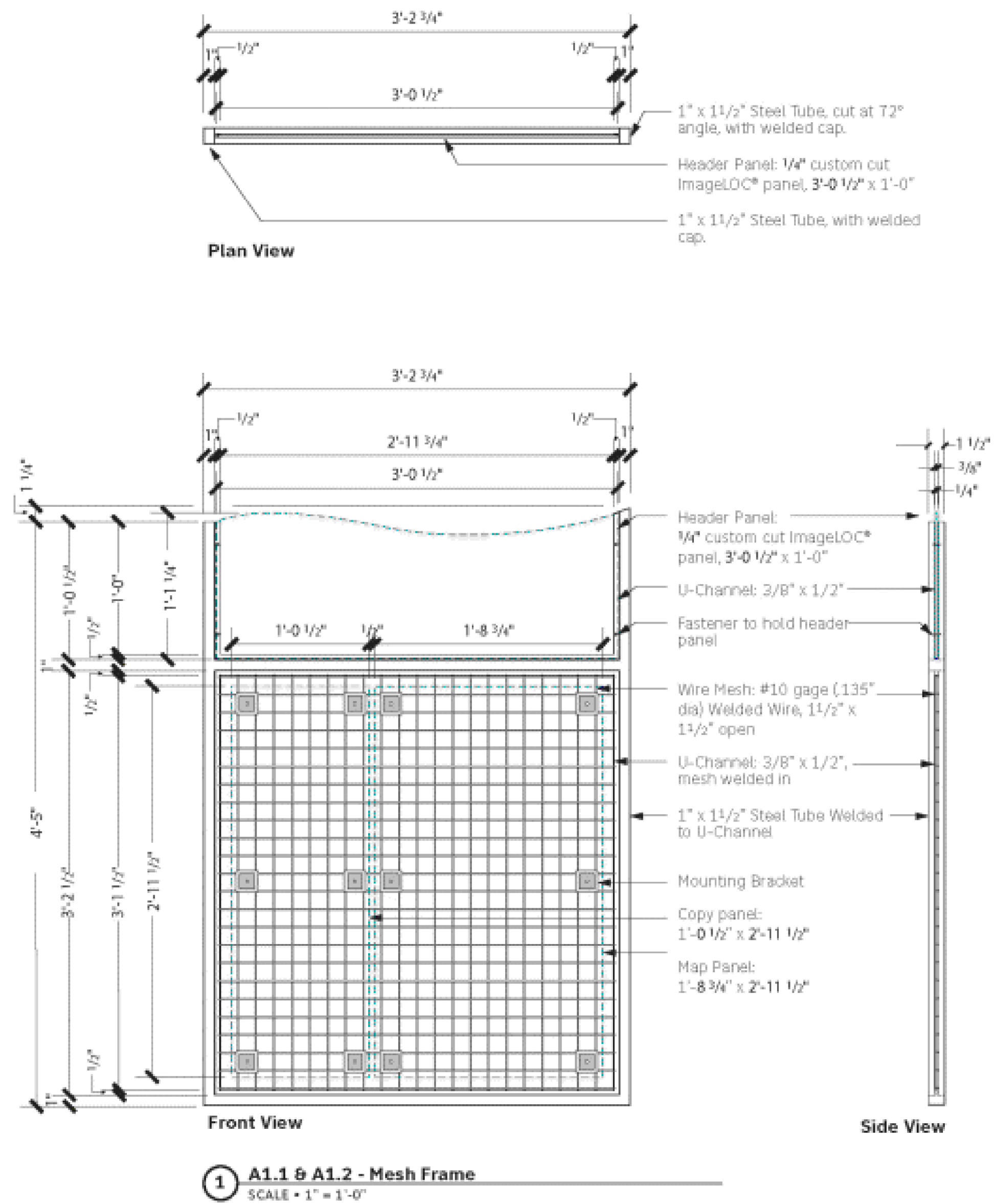
Sheet 1 of 2
PEORIA TRAILS SIGNAGE & WAYFINDING DETAILS

	DESIGN	IR	5/24	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SECTION	ROUTE	N/A	F.H.W.A. Arizona Division	STATE	ARIZ.	PROJECT NO.	0000 MA PEO	FEDERAL AID NO.	PEO-0(229)T	SHEET NO.	8	TOTAL SHEETS	51	RECORD DRAWING
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CHECKED	AB	5/24	STRUCTURE NO.			TRACS NO.	T0321 01C				OF							

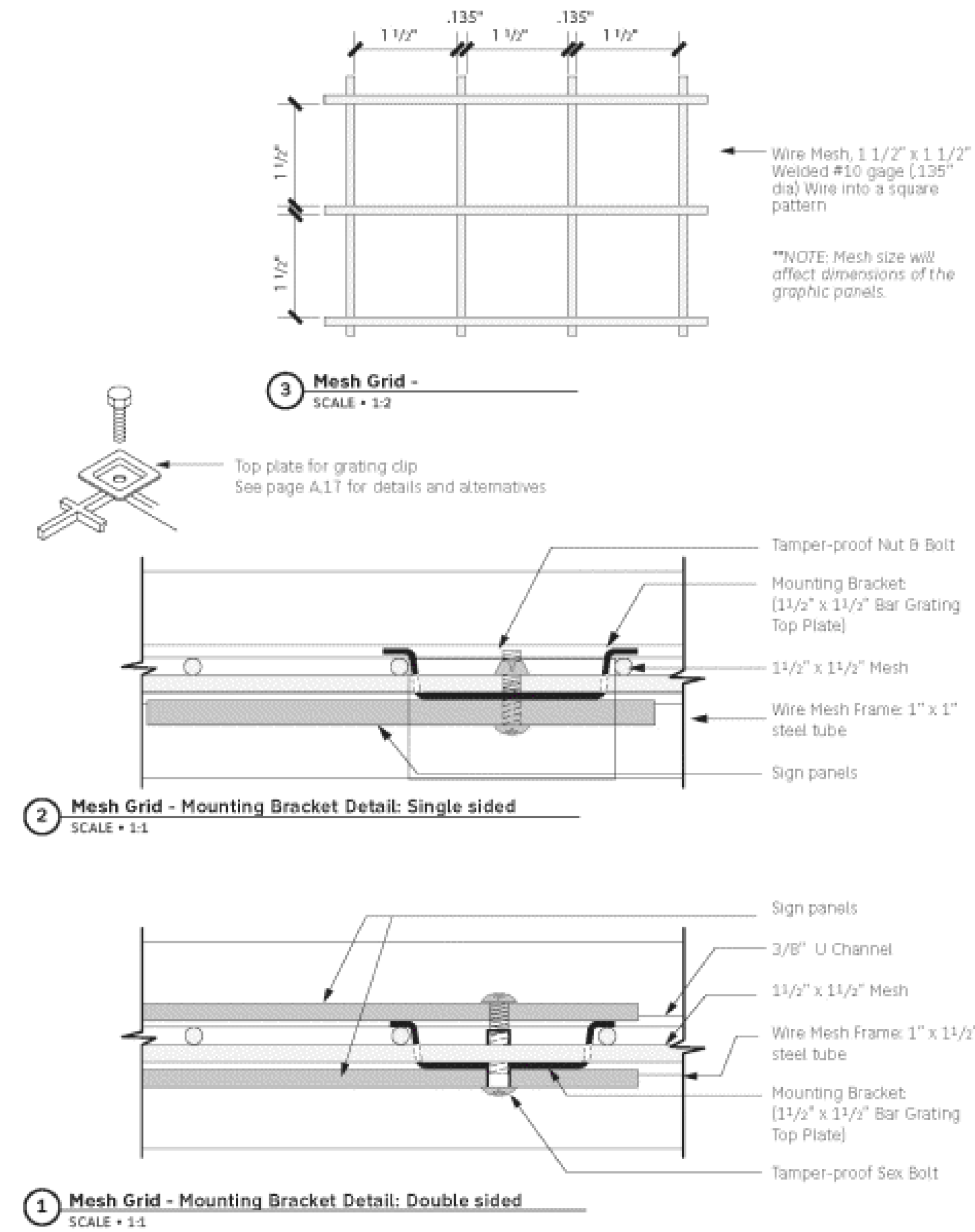
Jacobs
1501 W. FOUNTAINHEAD PKWY, SUITE 401
TEMPE, AZ 85282, PH: 480.966.8198 WWW.JACOBS.COM

DETAIL SHEET
DETAIL F

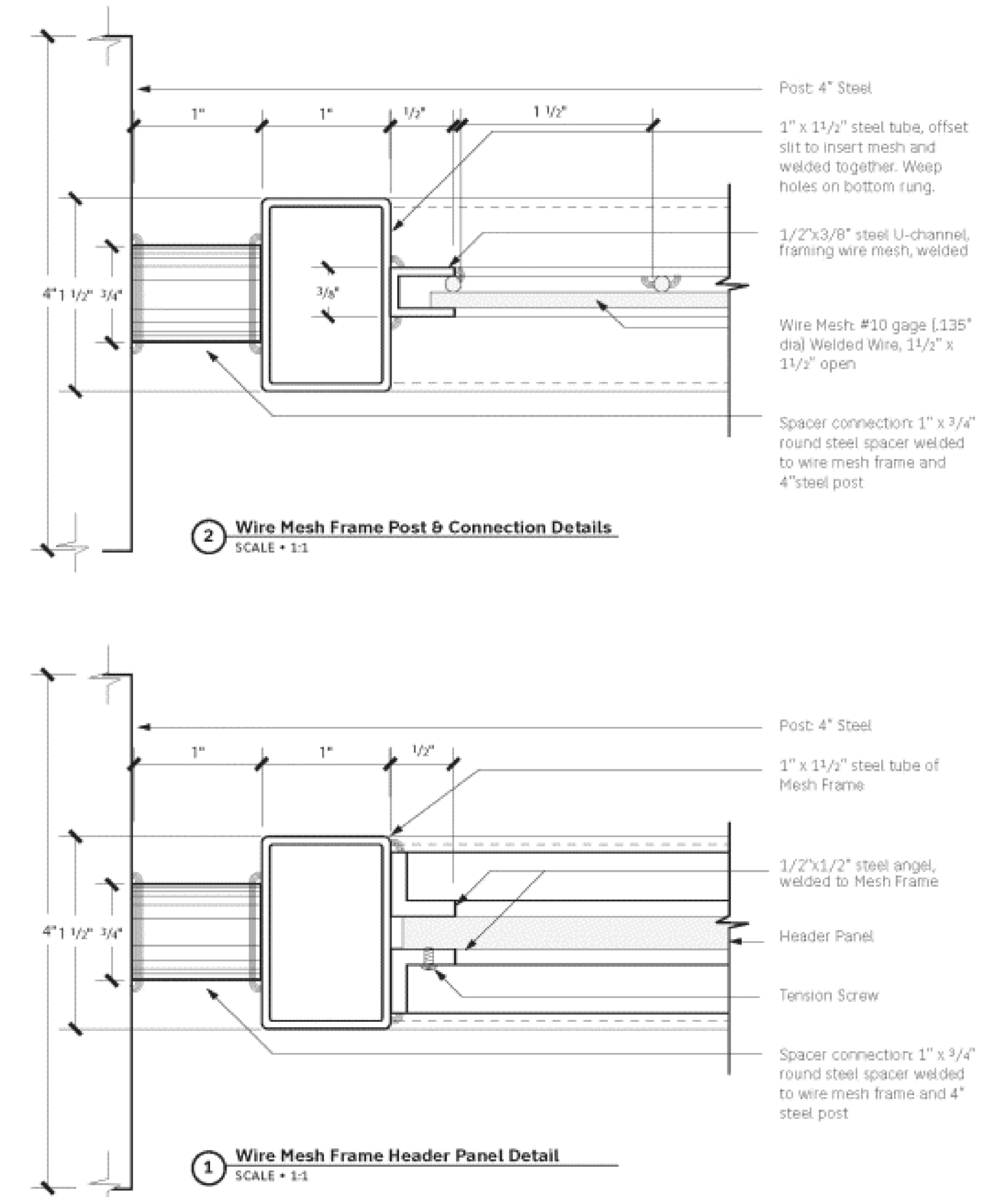
A | Typical Construction Details



A | Typical Construction Details



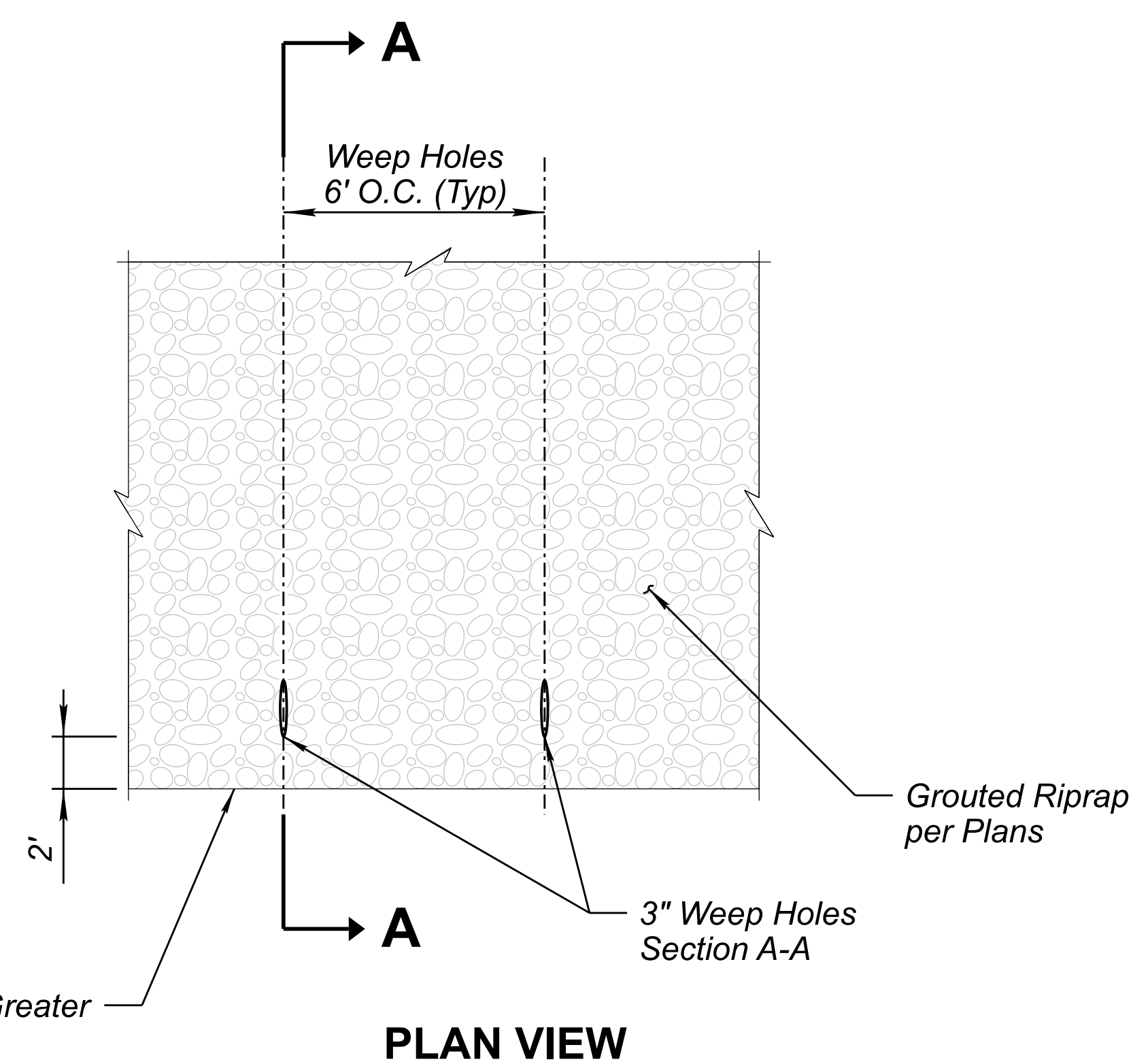
A | Typical Construction Details



DETAIL F

Sheet 2 of 2
PEORIA TRAILS SIGNAGE & WAYFINDING DETAILS

	DESIGN	IR	NAME	DATE	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SECTION	ROUTE	N/A	F.H.W.A. Arizona Division STATE: ARIZ.	PROJECT NO.	0000 MA PEO	FEDERAL AID NO.	PEO-0(229)T	SHEET NO.	9	TOTAL SHEETS	51	RECORD DRAWING
	DRAWN	PO	AB	5/24		DESIGN: IR DRAWN: PO CHECKED: AB	MILEPOST		-	LOCATION	75TH AVE TO SKUNK CREEK			DWG NO.	G-03.06		
					1501 W. FOUNTAINHEAD PKWY, SUITE 401 TEMPE, AZ 85282, PH: 480.966.8188 WWW.JACOBS.COM	STRUCTURE NO.	T0321 01C				OF						



Riprap Gradation, $D_{50} = 9"$	
Thickness = 18"	
% Passing	Size (in)
100	9
85	8
25	6
0	3

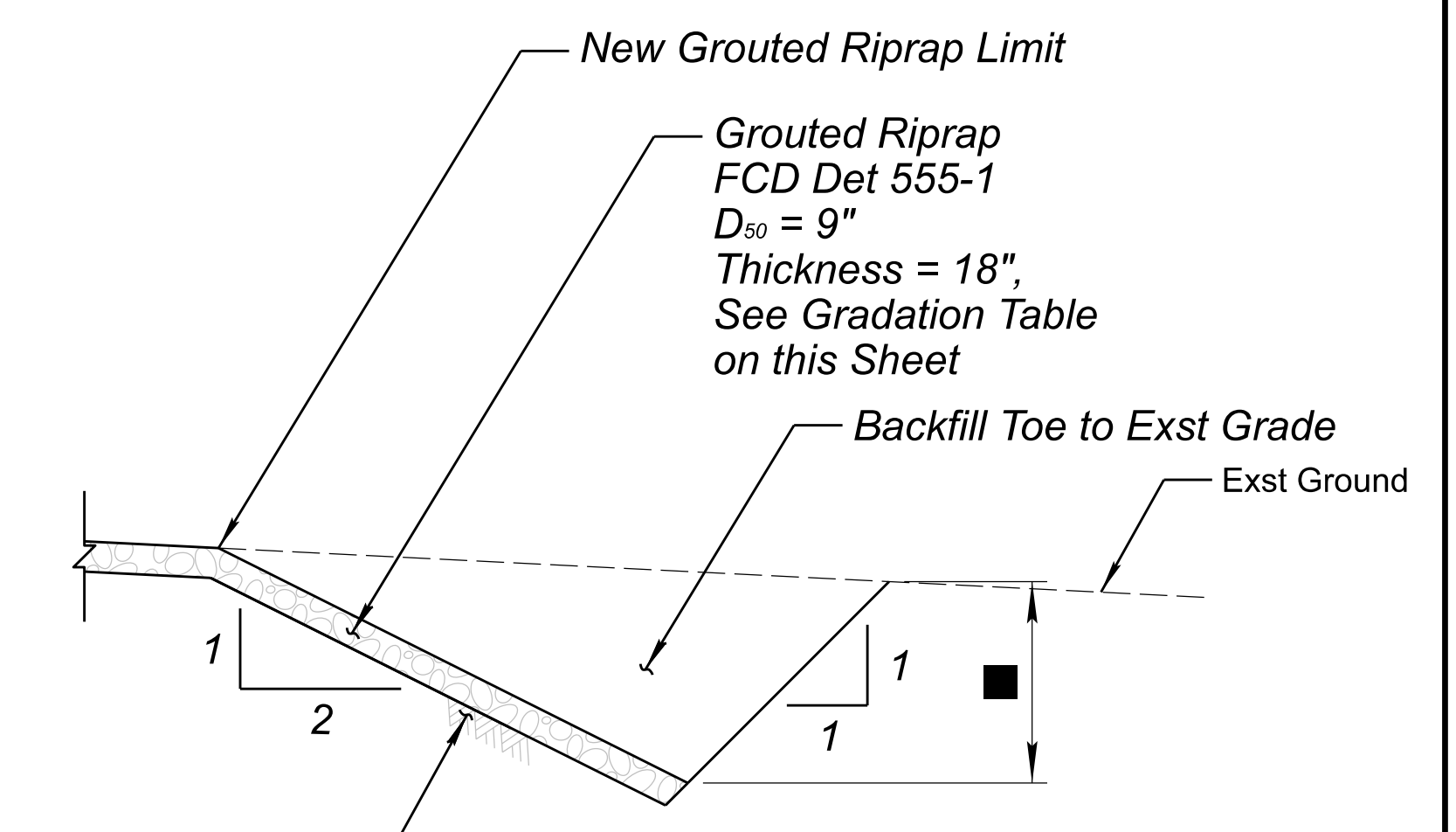
- Notes:
1. Rocks Smaller than 6-inch Shall be Removed.
 2. The Specific Gravity of Riprap Shall Meet or Exceed 2.5.
 3. Contractor to Provide 1 Ton Sample for Review and Approval Prior to Construction.

RIPRAP GRADATION

Gravel Bedding Gradation	
Thickness = 6"	
% Passing by weight	Size
90 - 100	3"
20-90	3/4"
0-20	#4 (4.76 mm)
0-3	#200 (0.074 mm)

- Note:
1. Contractor to Provide 1 Ton Sample for Review and Approval Prior to Construction.

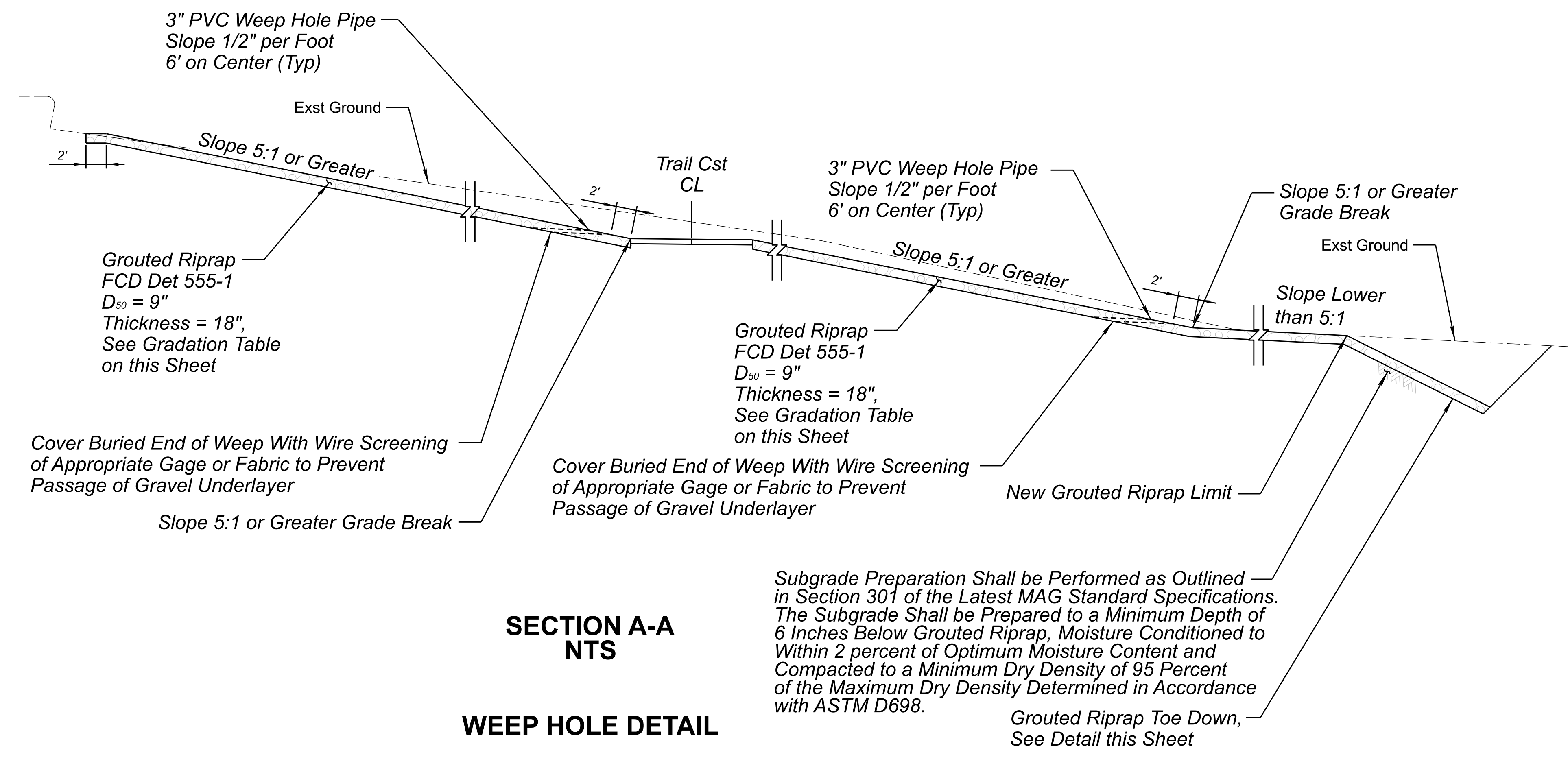
GRAVEL BEDDING GRADATION



Subgrade Preparation Shall be Performed as Outlined in Section 301 of the Latest MAG Standard Specifications. The Subgrade Shall be Prepared to a Minimum Depth of 6 Inches Below Grouted Riprap, Moisture Conditioned to Within 2 percent of Optimum Moisture Content and Compacted to a Minimum Dry Density of 95 Percent of the Maximum Dry Density Determined in Accordance with ASTM D698.

- Varies to Match Existing:
- 10' - Sta 18+85.63, 81.90' Rt to Sta 20+50.00, 94.18' Rt
 - 5' - Sta 20+50.00, 94.18' Rt to Sta 22+22.20, 15.02' Rt

GROUTED RIPRAP TOE DOWN DETAIL



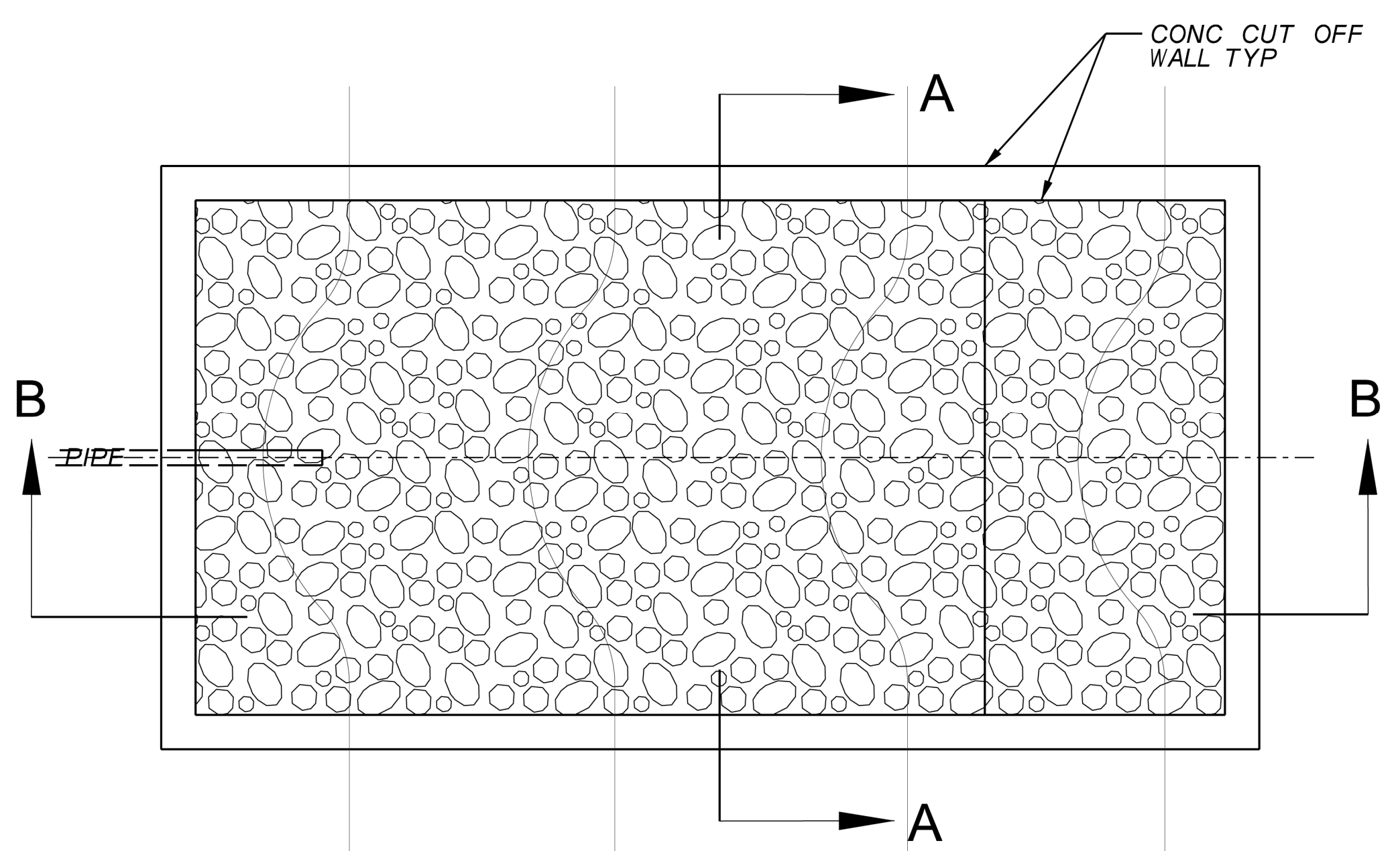
- Notes:
1. Riprap bed shall be installed at 18 inch thick. Turndowns shall be installed around the perimeter of the riprap apron at a depth of 2.5 feet and a min of 1 foot width.
 2. Riprap shall be obtained from any source approved by FCD.
 3. Riprap shall be placed to produce a surface in which the tops of the individual riprap do not vary more than plus 2 inches from true grade. Double decking of thin flat riprap will not be permitted.
 4. Grout shall fully penetrate to base of riprap. Contractor shall use a pencil vibrator to ensure full grout penetration.
 5. Grout shall be composed of cement, sand, and water mixed in the proportions as directed. The estimated cement content requirement per cubic yard of grout shall be eight sack mix per MAG Specification 220.5. The water content of the mix shall not exceed eight and one half gallons per sack of cement. Slump of grout mix shall be between 7 and 8 inches depending on placement location scenario plus or minus.
 6. Placement and sweeping of the grouted surface shall be such that the outer layer of rocks projects 1/3 to 1/4 their diameter above the grouted surface. After the top course has stiffened, the entire surface shall be re-swept to eliminate runs in the top course and to fill voids caused by sloughing of the layers of grout.
 7. Contractor shall clean surface of riprap stone projecting above grout to match any existing riprap. Surface shall be cleaned by air-water blasting or other approved method. Cleaning shall remove all grout, cement paste and discolorations caused by grout, without damaging the grout to remain in place.
 8. The grout shall be permitted to set a minimum of one hour before air-water blasting is commenced. The air-water blasting shall be at right angles to the surface of the stone.
 9. Contractor shall apply a clear curing compound to entire surface of new grouted riprap.
 10. Weep holes typical at 75th Bridge, extend 20' east and west of bridge limits.
 11. Duct tape weep hole during concrete installation to prevent clogging.

SECTION A-A NTs
WEEP HOLE DETAIL

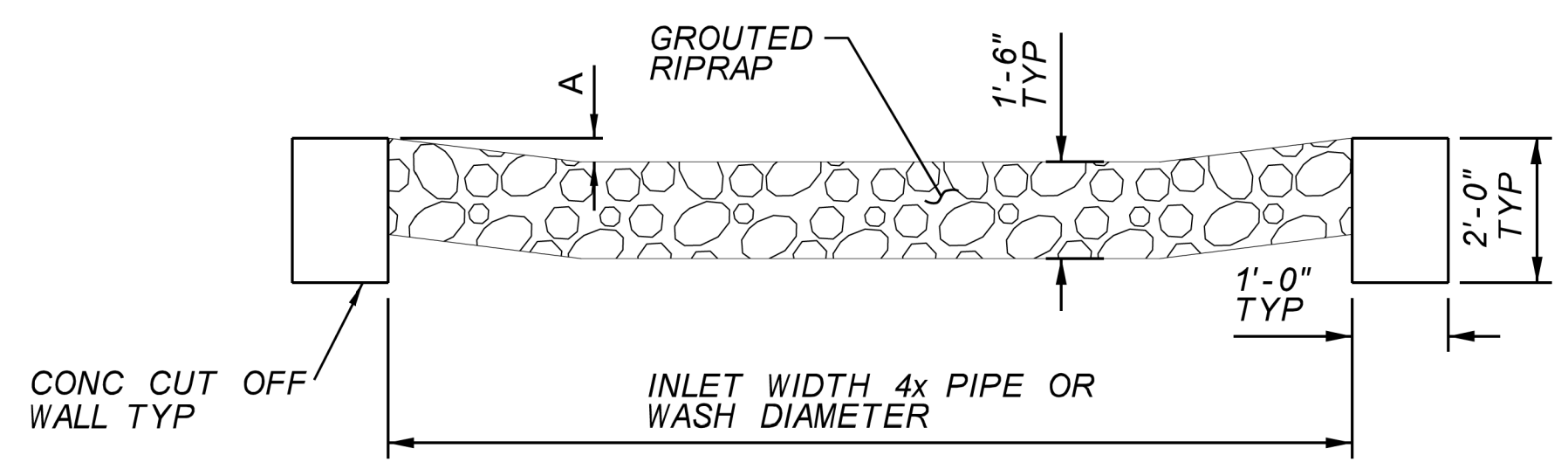
DETAIL G

RIPRAP DETAILS
SEE PLAN VIEW IN DWG NO. C-03.01 TO C-03.04

	DESIGN	TF	DATE	5/24	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SECTION	ROUTE	N/A	F.H.W.A. Arizona Division ARIZ.	PROJECT NO.	0000 MA PEO	FEDERAL AID NO.	PEO-0(229)T	SHEET NO.	10	TOTAL SHEETS	51	RECORD DRAWING
	DRAWN	SR	DATE	5/24		MILEPOST	-		LOCATION	75TH AVE TO SKUNK CREEK				DWG NO.	G-03.07		
	CHECKED	JBC	DATE	5/24	STRUCTURE NO.		TRACS NO.	T0321 01C			OF						

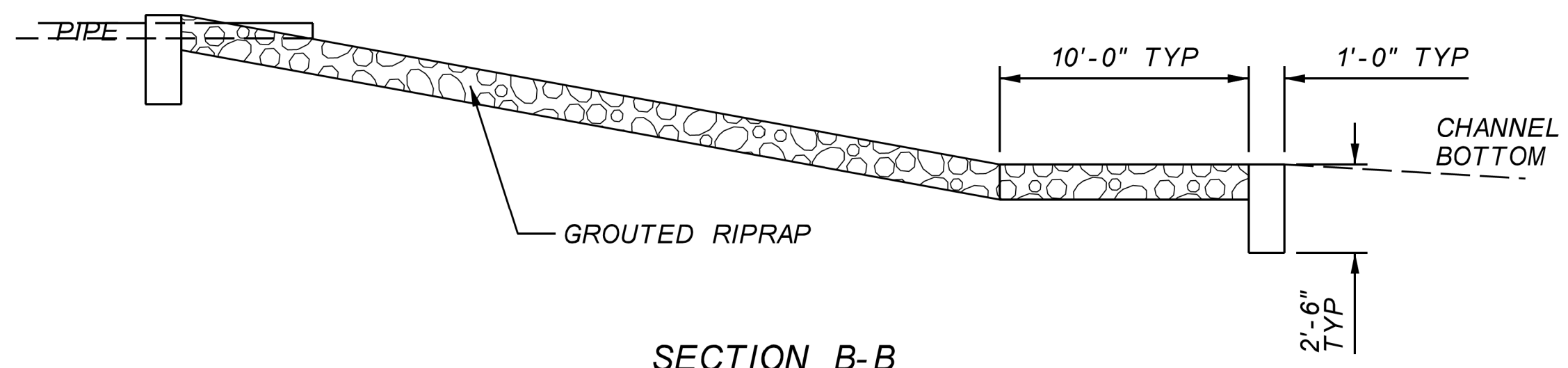


PLAN VIEW
NTS



A = SWALE DEPTH 1/2 PIPE DIAMETER OR WASH DEPTH AT UPSTREAM SLOPE END SWALE FLARES TO NOTHING AT DOWNSTREAM END

SECTION A-A
NTS



SECTION B-B
NTS

NOTES:

- 1) ALL INLETS ARE TO ENTER THE FLOODWAY AT RIGHT ANGLES.
- 2) RIPRAP BED SHALL HAVE A THICKNESS OF AT LEAST THE SIZE OF THE LARGEST RIPRAP (TYPICALLY RIPRAP HAS A D50=9" AND THE LARGEST ROCK=18").
- 3) RIPRAP SHALL BE OBTAINED FROM ANY SOURCE APPROVED BY THE FLOOD CONTROL DISTRICT OR PROJECT ENGINEER, AND SHALL BE ROUND & REASONABLY WELL GRADED.
- 4) CUTOFF WALLS ARE TO BE CLASS B CONCRETE AND BE CONSTRUCTED THE ENTIRE PERIMETER OF THE RIPRAP.
- 5) RIPRAP GRADATION SHALL BE DETERMINED BY PROJECT-ENGINEER SPECIFICATIONS.
- 6) GROUT SHALL BE A MINIMUM OF 2,500 PSI. GROUT SLUMP SHALL BE A MINIMUM OF 7" - 9" OR TO PROJECT/ENGINEER SPECIFICATIONS.
- 7) GROUT SHALL FULLY PENETRATE TO BASE OF RIPRAP, A PENCIL VIBRATOR SHALL BE USED TO ENSURE GROUT PENETRATION.
- 8) POUR GROUT FROM BASE OF SLOPE IN AN UPHILL DIRECTION.
- 9) SURFACE OF RIPRAP STONE PROJECTING ABOVE GROUT SHALL BE CLEAN TO MATCH ANY EXISTING RIPRAP SURFACE SHALL BE CLEANED BY AIR-WATER BLASTING OR OTHER APPROVED METHOD. CLEANING SHALL REMOVE ALL GROUT CEMENT PASTE AND DISCOLORATION CAUSED BY GROUT, WITHOUT DAMAGING THE GROUT TO REMAIN IN PLACE.

	FLOOD CONTROL DISTRICT OF MARICOPA COUNTY	GROUTED RIPRAP CONSTRUCTION DETAIL	APPROVED BY <i>C. Scott Vogel</i>	REVISION DATE 10/05/15	DETAIL NO. FCD555-1

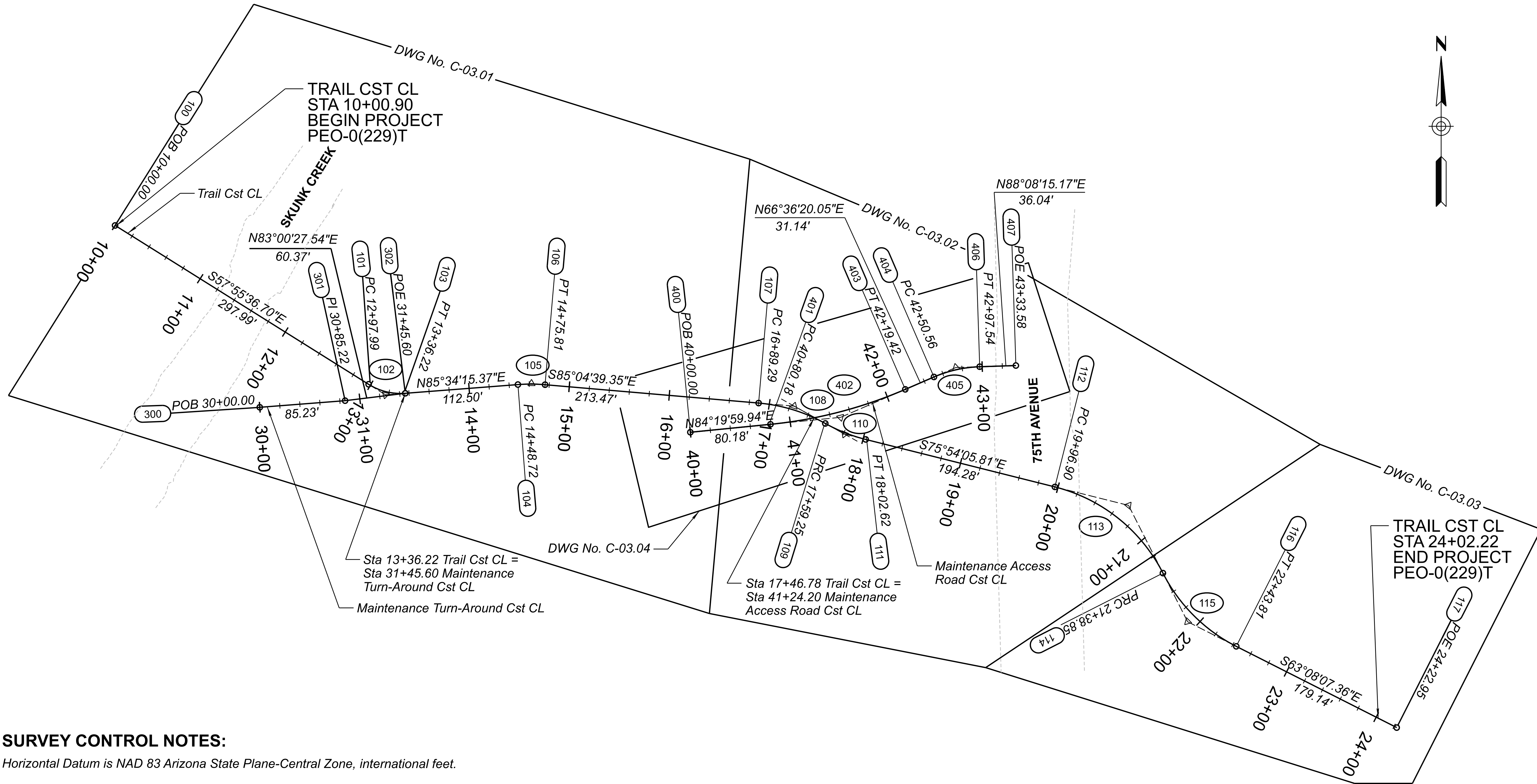
DETAIL H

FCD DETAILS

	DESIGN	TF	5/24	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SECTION	ROUTE	N/A	F.H.W.A. Arizona Division STATE: ARIZ.	PROJECT NO.	0000 MA PEO	FEDERAL AID NO.	PEO-0(229)T	SHEET NO.	11	TOTAL SHEETS	51	RECORD DRAWING
	DRAWN	SR	5/24		MILEPOST	-		LOCATION	75TH AVE TO SKUNK CREEK				DWG NO.	G-03.08		
	CHECKED	JBC	5/24		STRUCTURE NO.	-		TRACS NO.	T0321 01C			OF				



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SURVEY CONTROL NOTES:

Horizontal Datum is NAD 83 Arizona State Plane-Central Zone, international feet.

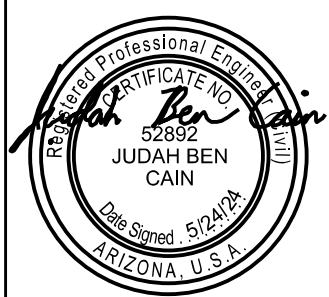

Scaled from grid to ground coordinates at N: 0000.00, E, 0000.00, using a scale factor of 1.00014.

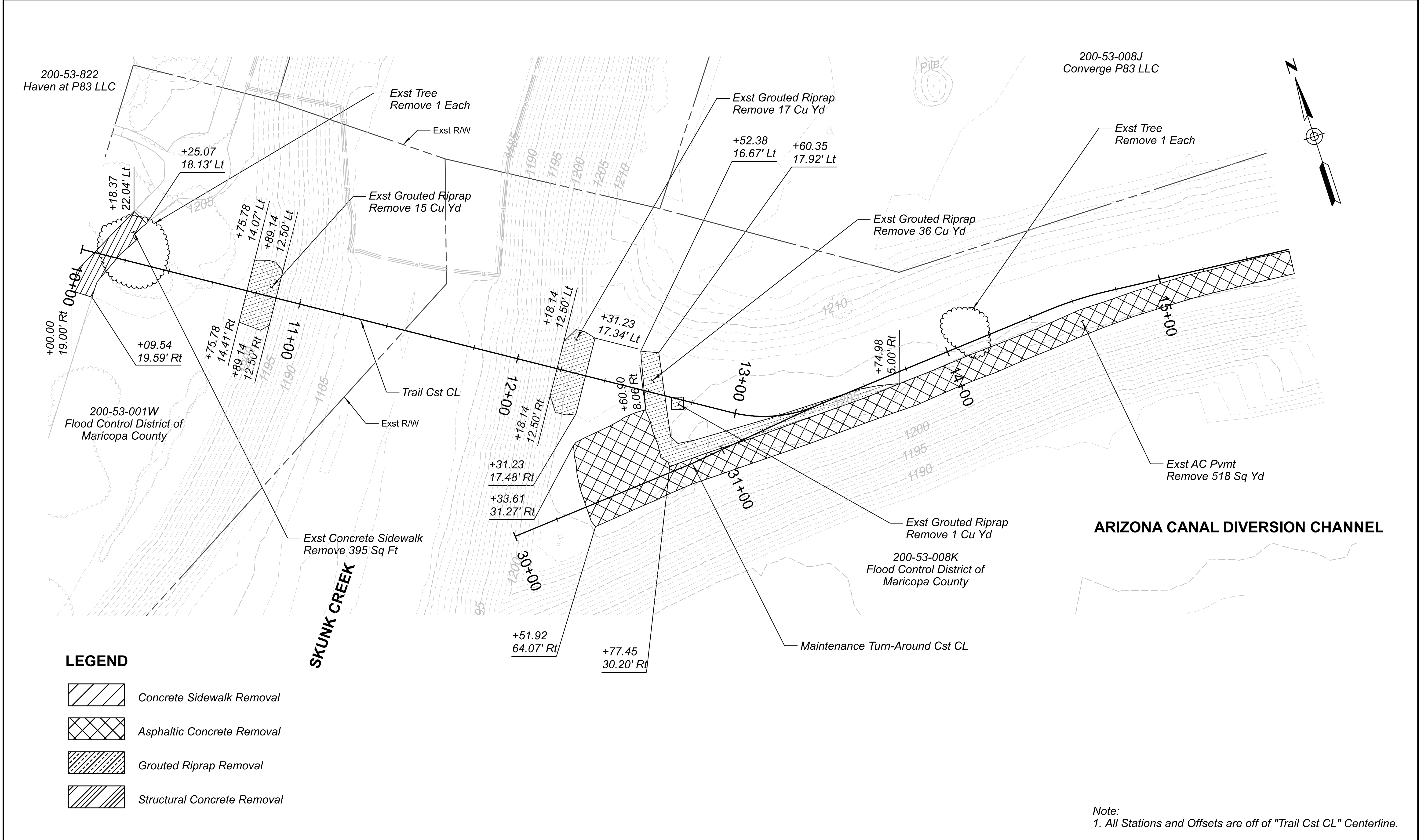
Primary Benchmark is a Brass Cap in Handhole at the intersection of 75th Ave and Bell, being the Northeast Corner of Section 2, Township 3N, Range 1E. Having an Elevation of 1209.28' NAVD 88 Datum.

Secondary Benchmark is a Brass Cap in Handhole at the intersection of 75th Ave and Greenway Road, being the Southeast corner of Section 2, Township 3N, Range 1E. Having an Elevation of 1203.55' NAVD 88 Datum, (1203.63 Record).

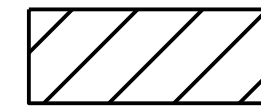
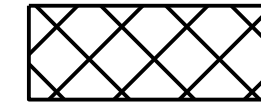
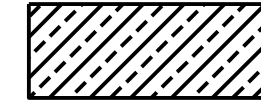
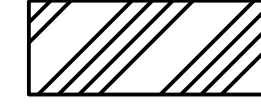
	DESIGN	TF	5/24	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SECTION	ROUTE	N/A	F.H.W.A. Arizona Division STATE: ARIZ.	PROJECT NO.	0000 MA PEO	FEDERAL AID NO.	PEO-0(229)T	SHEET NO.	12	TOTAL SHEETS	51	RECORD DRAWING
	DRAWN	SR	5/24		Jacobs <small>1501 W. FOUNTAINHEAD PKWY., SUITE 401 TEMPE, AZ 85282, PH: 480.966.8188, WWW.JACOBS.COM</small>	MILEPOST		-	LOCATION	75TH AVE TO SKUNK CREEK				DWG NO. C-01.01		
	CHECKED	JBC	5/24			STRUCTURE NO.		-	TRACS NO.	T0321 01C			OF			

PLAN REF NO.	DESCRIPTION	POINT TYPE	STATION	COORDINATES		CURVE TYPE	Δ	D	R	L	T	EXT	Super
				NORTHING	EASTING								
100	Trail Cst CL	POB	10+00.00	958356.333	606842.717								
101	Trail Cst CL	PC	12+97.99	958198.098	607095.227								
102	Trail Cst CL	PI	13+17.78	958187.592	607111.994	Simple	36°30'08" LT	95°29'35"	60.00'	38.23'	19.79'	3.18'	
103	Trail Cst CL	PT	13+36.22	958189.120	607131.721								
104	Trail Cst CL	PC	14+48.72	958197.808	607243.887								
105	Trail Cst CL	PI	14+62.30	958198.856	607257.423	Simple	09°21'05" RT	34°30'56"	166.00'	27.09'	13.58'	0.55'	
106	Trail Cst CL	PT	14+75.81	958197.691	607270.950								
107	Trail Cst CL	PC	16+89.29	958179.374	607483.635								
108	Trail Cst CL	PI	17+24.79	958176.327	607519.011	Simple	24°08'50" RT	34°30'56"	166.00'	69.96'	35.51'	3.76'	
109	Trail Cst CL	PRC	17+59.25	958159.075	607550.046								
110	Trail Cst CL	PI	17+81.06	958148.477	607569.110	Simple	14°58'16" LT	34°30'56"	166.00'	43.38'	21.81'	1.43'	
111	Trail Cst CL	PT	18+02.62	958143.164	607590.265								
112	Trail Cst CL	PC	19+96.90	958095.841	607778.690								
113	Trail Cst CL	PI	20+72.54	958077.416	607852.053	Simple	48°59'42" RT	34°30'56"	166.00'	141.95'	75.64'	16.42'	
114	Trail Cst CL	PRC	21+38.85	958009.962	607886.284								
115	Trail Cst CL	PI	21+93.15	957961.538	607910.858	Simple	36°13'43" LT	34°30'56"	166.00'	104.96'	54.30'	8.66'	
116	Trail Cst CL	PT	22+43.81	957936.999	607959.301								
117	Trail Cst CL	POE	24+22.95	957856.051	608119.103								
300	Maintenance Turn-Around Cst CL	POB	30+00.00	958175.189	606986.827								
301	Maintenance Turn-Around Cst CL	PI	30+85.22	958181.770	607071.798								
302	Maintenance Turn-Around Cst CL	POE	31+45.60	958189.120	607131.721								
400	Maintenance Access Road Cst CL	POB	40+00.00	958150.318	607415.622								
401	Maintenance Access Road Cst CL	PC	40+80.18	958158.236	607495.416								
402	Maintenance Access Road Cst CL	PI	41+50.36	958165.165	607565.250	Simple	17°43'40" LT	12°43'57"	450.00'	139.23'	70.18'	5.44'	
403	Maintenance Access Road Cst CL	PT	42+19.42	958193.030	607629.658								
404	Maintenance Access Road Cst CL	PC	42+50.56	958205.395	607658.240								
405	Maintenance Access Road Cst CL	PI	42+74.33	958214.832	607680.054	Simple	21°31'55" RT	45°50'12"	125.00'	46.98'	23.77'	2.24'	
406	Maintenance Access Road Cst CL	PT	42+97.54	958215.605	607703.810								
407	Maintenance Access Road Cst CL	POE	43+33.58	958216.776	607739.832								

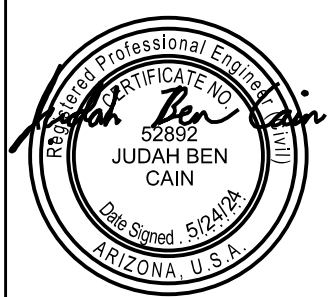
	DESIGN: TF 5/24 DRAWN: SR 5/24 CHECKED: JBC 5/24	NAME: JUDAH BEN-GAIN DATE: 5/24	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SECTION	ROUTE: N/A MILEPOST: - STRUCTURE NO.:	F.H.W.A. Arizona Division STATE: ARIZ. PROJECT NO.: 0000 MA PEO FEDERAL AID NO.: PEO-0(229)T	SHEET NO.: 13 TOTAL SHEETS: 51	RECORD DRAWING
				GEOMETRY DATA SHEET	LOCATION: 75TH AVE TO SKUNK CREEK TRACS NO.: T0321 01C	ADOT	DWG NO. C-01.02 ___ OF ___



LEGEND

-  Concrete Sidewalk Removal
-  Asphaltic Concrete Removal
-  Grouted Riprap Removal
-  Structural Concrete Removal

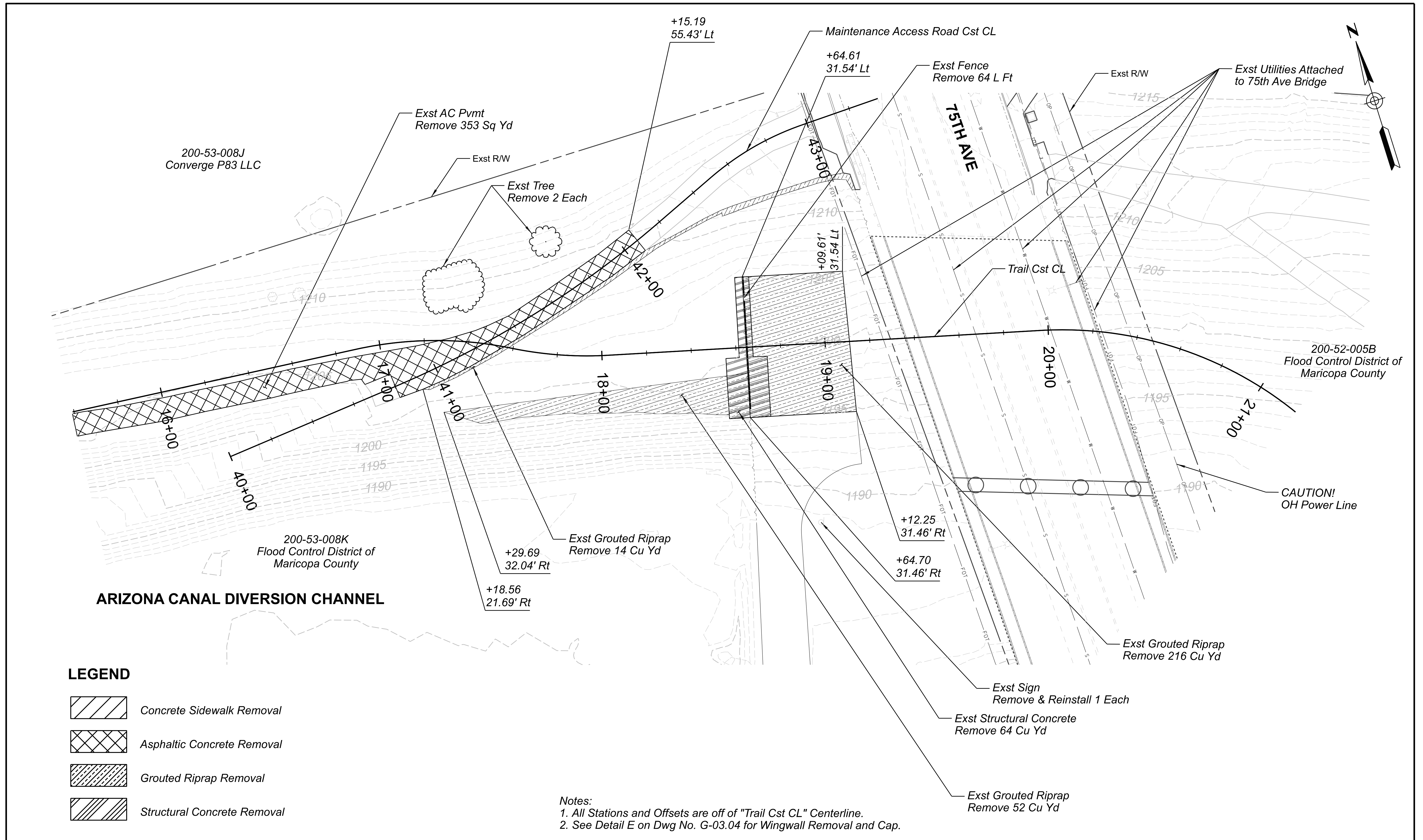
Note:
1. All Stations and Offsets are off of "Trail Cst CL" Centerline.

	DESIGN	TF	5/24	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SECTION	ROUTE	N/A	F.H.W.A. Arizona Division	STATE	ARIZ.	PROJECT NO.	0000 MA PEO	FEDERAL AID NO.	PEO-0(229)T	SHEET NO.	14	TOTAL SHEETS	51	RECORD DRAWING
	DRAWN	SR	5/24		MILEPOST	-		LOCATION	75TH AVE TO SKUNK CREEK							DWG NO.	C-02.01	
	CHECKED	JBC	5/24		STRUCTURE NO.			TRACS NO.	T0321 01C	ADOT		OF						


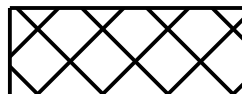
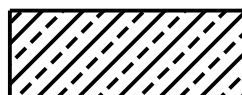
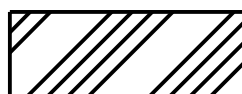


1501 W. FOUNTAINHEAD PKWY, SUITE 401
TEMPE, AZ 85282, PH: 480.966.8188 WWW.JACOBS.COM

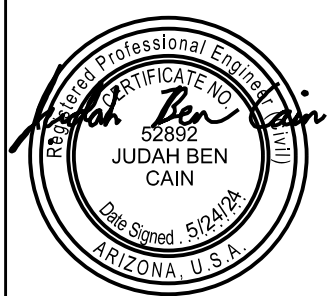
REMOVAL SHEET
STA 10+00.90 TO 15+60



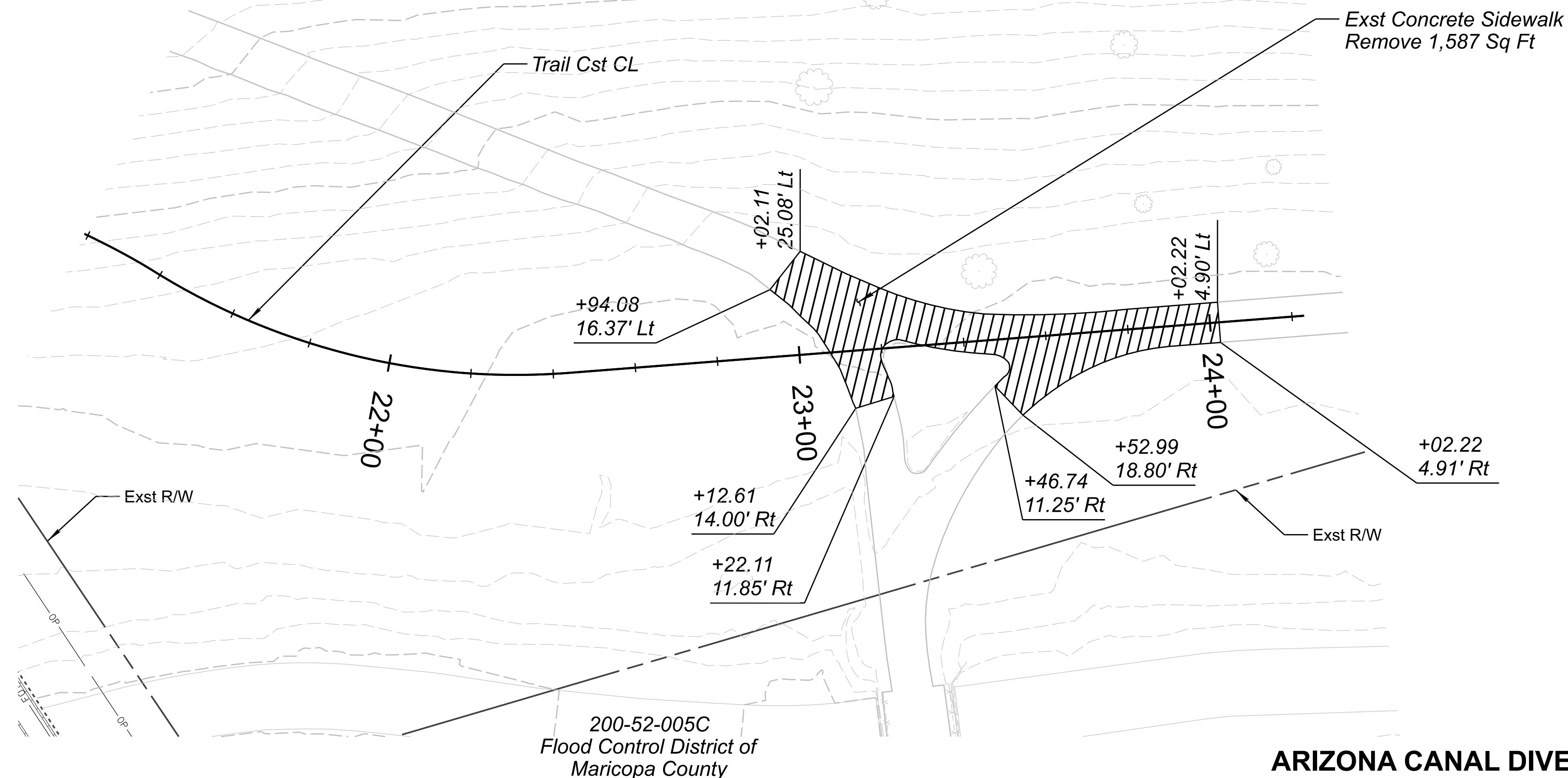
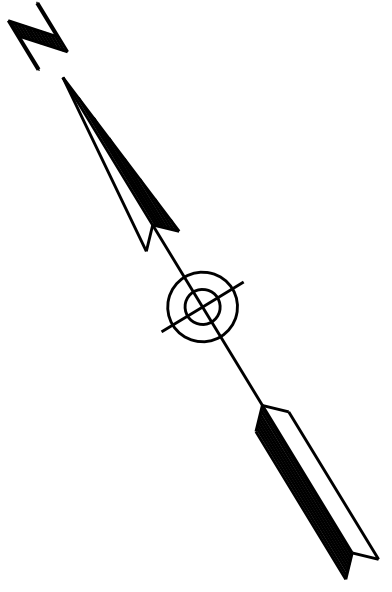
LEGEND

-  Concrete Sidewalk Removal
-  Asphaltic Concrete Removal
-  Gouted Riprap Removal
-  Structural Concrete Removal

Notes:
 1. All Stations and Offsets are off of "Trail Cst CL" Centerline.
 2. See Detail E on Dwg No. G-03.04 for Wingwall Removal and Cap.

	DESIGN	TF	5/24	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SECTION	ROUTE	N/A	F.H.W.A. Arizona Division STATE: ARIZ.	PROJECT NO.	0000 MA PEO	FEDERAL AID NO.	PEO-0(229)T	SHEET NO.	15	TOTAL SHEETS	51	RECORD DRAWING
	DRAWN	SR	5/24		MILEPOST	-		LOCATION	75TH AVE TO SKUNK CREEK				DWG NO.	C-02.02		
	CHECKED	JBC	5/24		STRUCTURE NO.	-		TRACS NO.	T0321 01C	ADOT		OF				

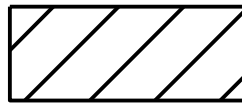
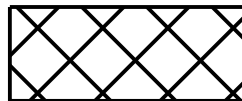
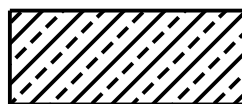
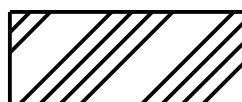
200-52-005B
Flood Control District of
Maricopa County




200-52-005C
Flood Control District of
Maricopa County

ARIZONA CANAL DIVERSION CHANNEL

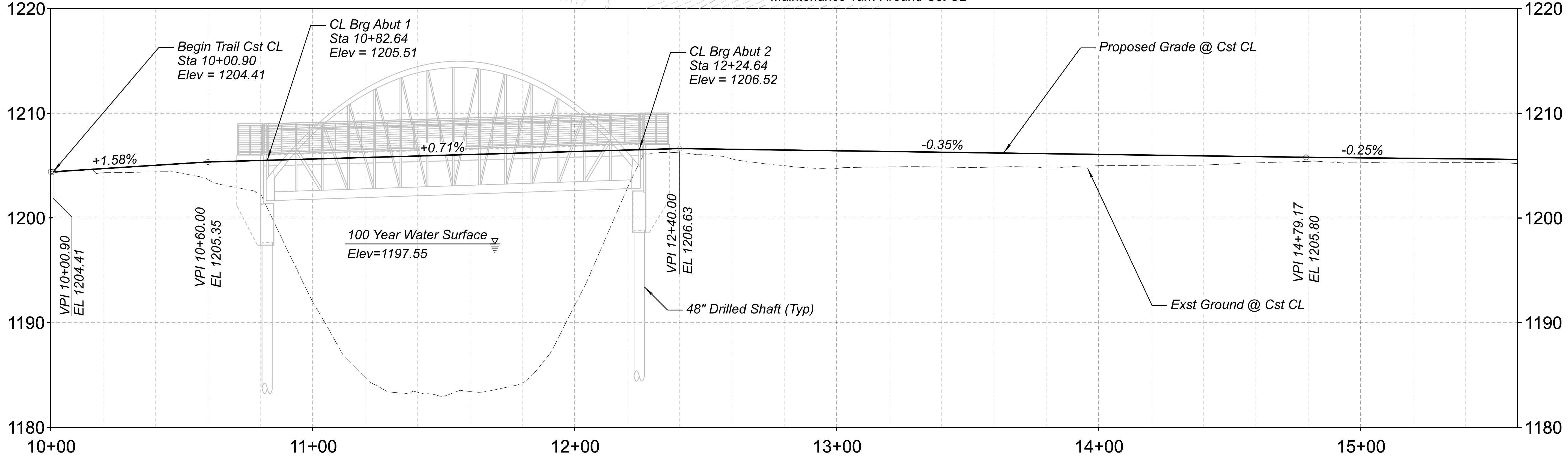
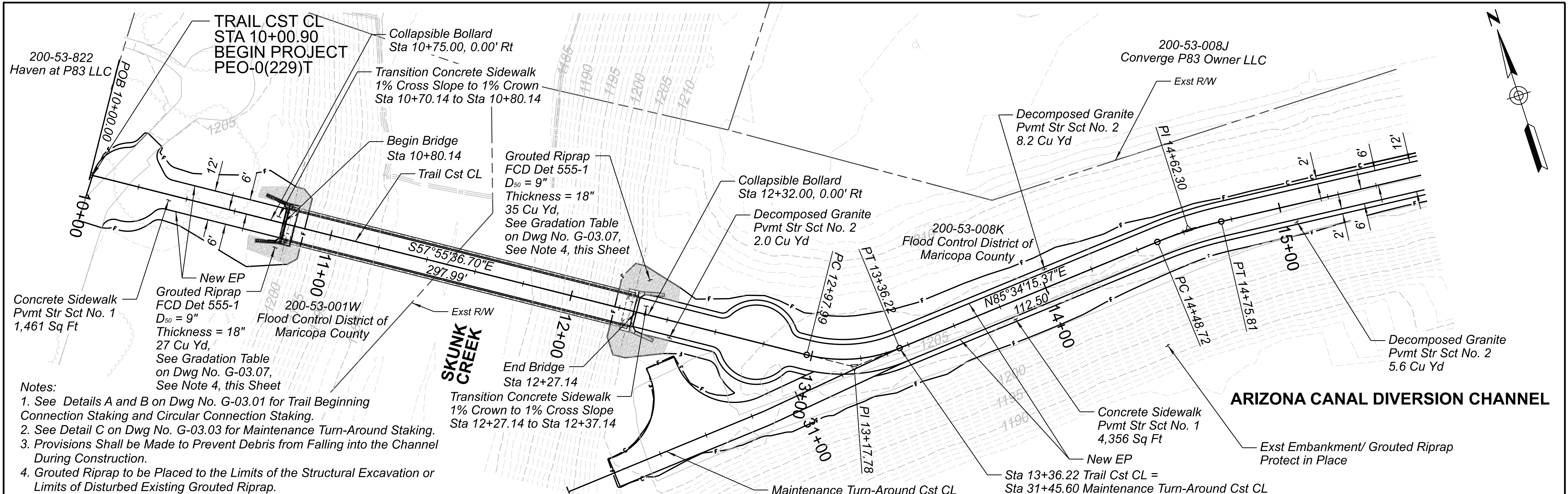
LEGEND

-  Concrete Sidewalk Removal
-  Asphaltic Concrete Removal
-  Grouted Riprap Removal
-  Structural Concrete Removal

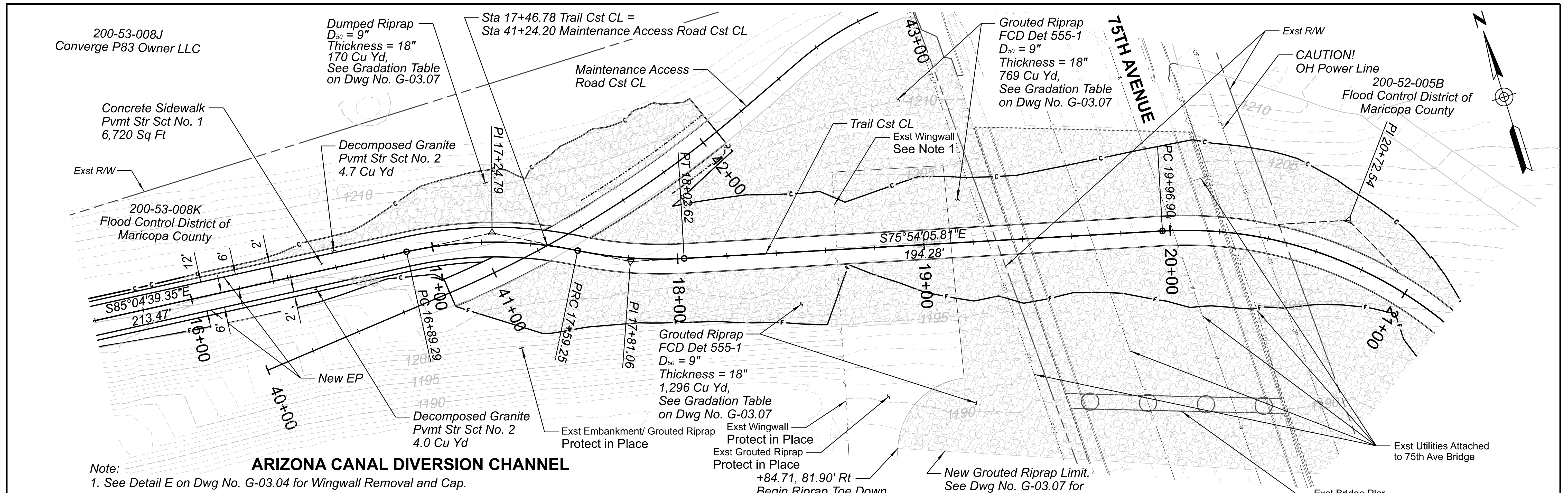
Note:
1. All Stations and Offsets are off of "Trail Cst CL" Centerline.

	DESIGN	TF	5/24	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SECTION	ROUTE	N/A	F.H.W.A. Arizona Division	STATE	ARIZ.	PROJECT NO.	0000 MA PEO	FEDERAL AID NO.	PEO-0(229)T	SHEET NO.	16	TOTAL SHEETS	51	RECORD DRAWING
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	CHECKED	JBC	5/24		STRUCTURE NO.			TRACS NO.	T0321 01C	ADOT		OF						



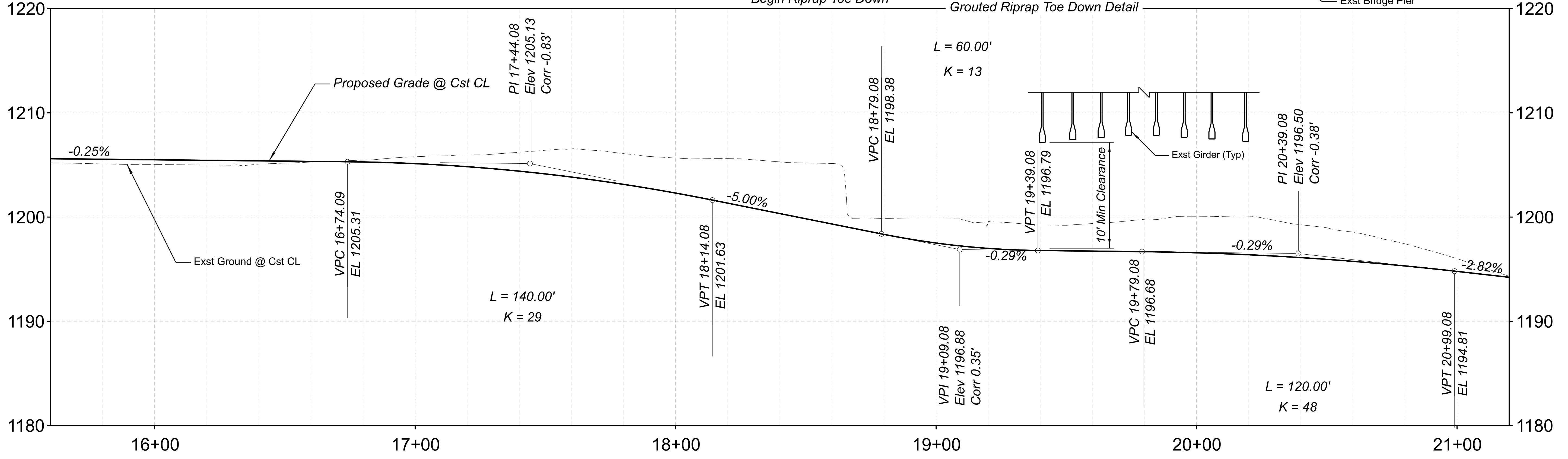


	DESIGN	TF	DATE	5/24	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SECTION	ROUTE	N/A	F.H.W.A. Arizona Division STATE: ARIZ.	PROJECT NO.	0000 MA PEO	FEDERAL AID NO.	PEO-0(229)T	SHEET NO.	17	TOTAL SHEETS	51	RECORD DRAWING
	DRAWN	SR	DATE	5/24		MILEPOST	-		LOCATION	75TH AVE TO SKUNK CREEK				DWG NO.	C-03.01		
	CHECKED	JBC	DATE	5/24	STRUCTURE NO.		TRACS NO.	T0321 01C					OF				



Note:
1. See Detail E on Dwg No. G-03.04 for Wingwall Removal and Cap.

ARIZONA CANAL DIVERSION CHANNEL

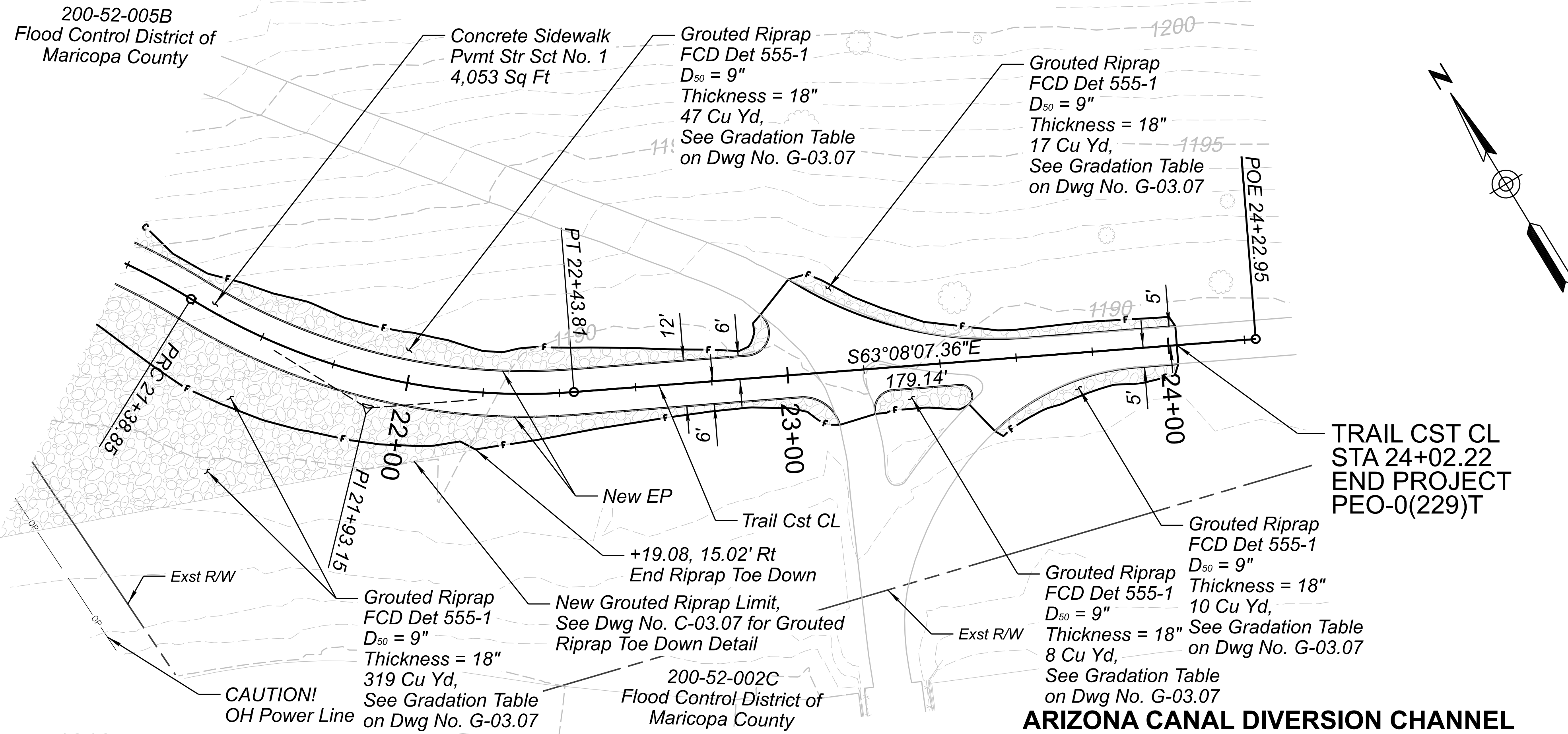


	DESIGN	TF	DATE	5/24	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SECTION	ROUTE	N/A	F.H.W.A. Arizona Division STATE: ARIZ.	PROJECT NO.	0000 MA PEO	FEDERAL AID NO.	PEO-0(229)T	SHEET NO.	18	TOTAL SHEETS	51	RECORD DRAWING
	DRAWN	SR	DATE	5/24		MILEPOST	-		LOCATION	75TH AVE TO SKUNK CREEK				DWG NO.	C-03.02		
	CHECKED	JBC	DATE	5/24		STRUCTURE NO.	-		TRACS NO.	T0321 01C	ADOT		OF				



1501 W. FOUNTAINHEAD PKWY, SUITE 401
 TEMPE, AZ 85282, Ph: 480.966.8188, WWW.JACOBS.COM

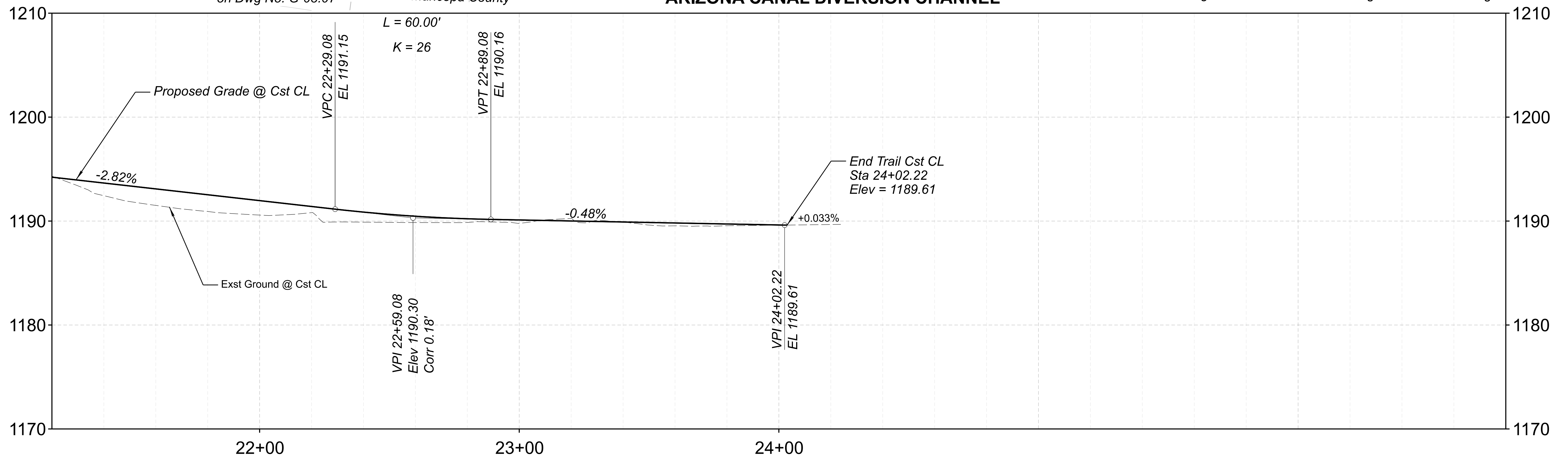
200-52-005B
Flood Control District of
Maricopa County



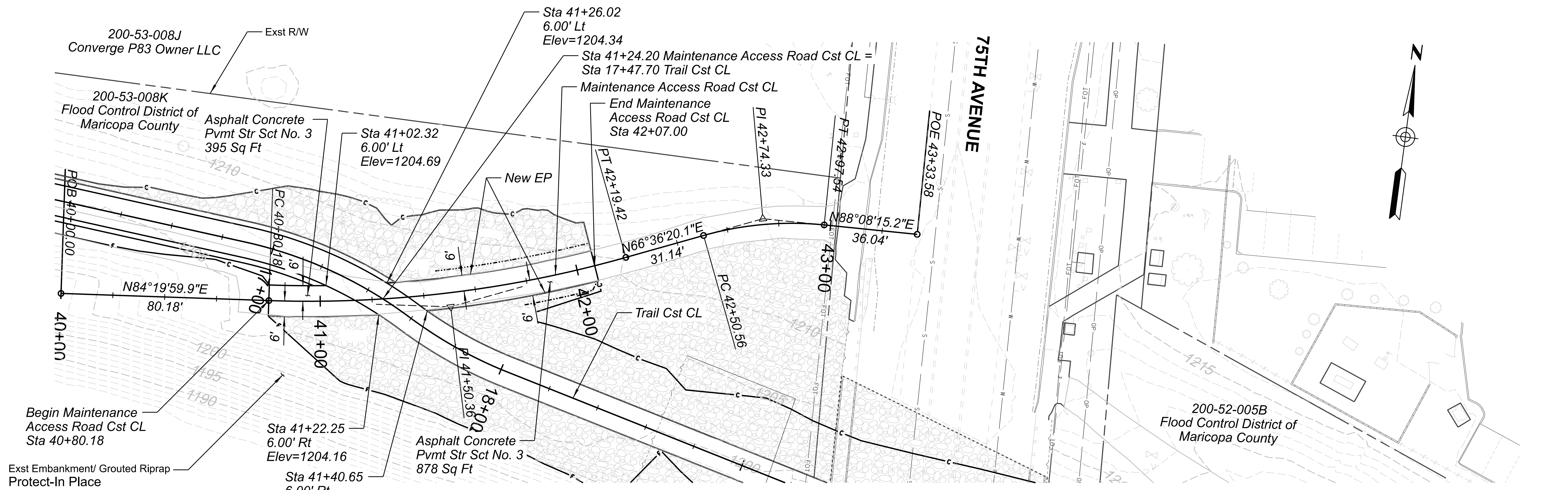
TRAIL CST CL
STA 24+02.22
END PROJECT
PEO-0(229)T

ARIZONA CANAL DIVERSION CHANNEL

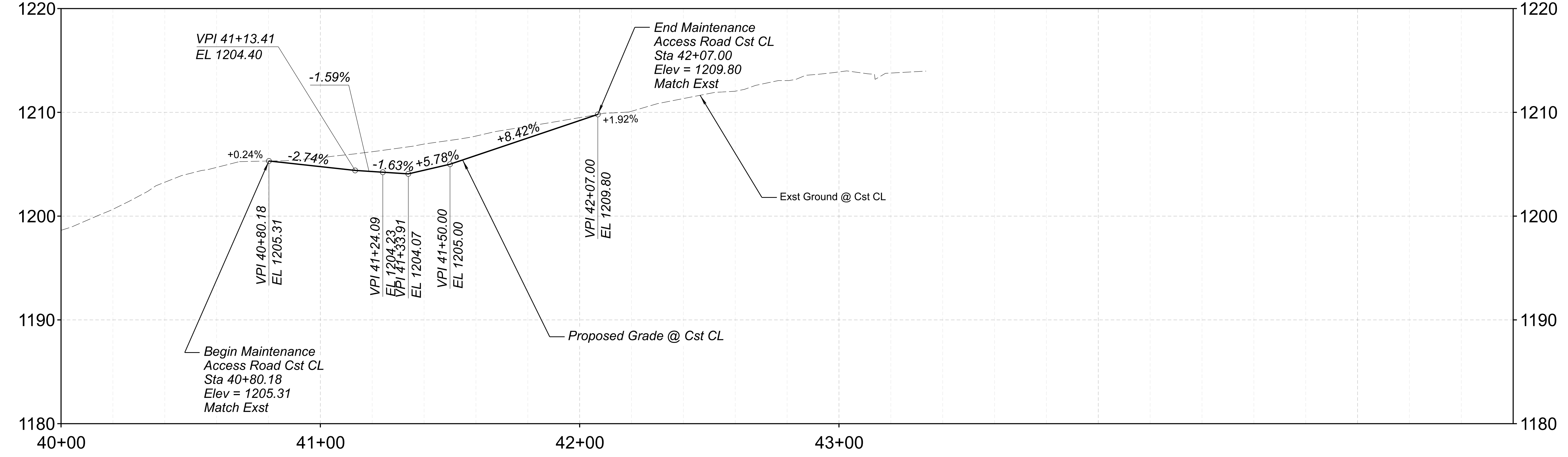
Note:
1. See Detail C on Dwg No. G-03.02 for Trail Ending Connection Staking.



	DESIGN	TF	DATE	5/24	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SECTION	ROUTE	N/A	F.H.W.A. Arizona Division STATE: ARIZ.	PROJECT NO.	0000 MA PEO	FEDERAL AID NO.	PEO-0(229)T	SHEET NO.	19	TOTAL SHEETS	51	RECORD DRAWING
	DRAWN	SR	DATE	5/24		PLAN AND PROFILE STA 21+00.00 TO STA 24+12.26	MILEPOST		-	LOCATION	75TH AVE TO SKUNK CREEK			DWG NO.	C-03.03		
	CHECKED	JBC	DATE	5/24		STRUCTURE NO.		TRACS NO.	T0321 01C						OF		



ARIZONA CANAL DIVERSION CHANNEL



	DESIGN	TF	5/24	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SECTION	ROUTE	N/A	F.H.W.A. Arizona Division STATE: ARIZ.	PROJECT NO.	0000 MA PEO	FEDERAL AID NO.	PEO-0(229)T	SHEET NO.	20	TOTAL SHEETS	51	RECORD DRAWING
	DRAWN	SR	5/24		MILEPOST	-		LOCATION	75TH AVE TO SKUNK CREEK				DWG NO.	C-03.04		
CHECKED	JBC	5/24	STRUCTURE NO.		-	TRACS NO.	T0321 01C			OF _____						

TRAFFIC CONTROL GENERAL NOTES

1. Traffic control plans are to be prepared in accordance with the Manual on Uniform Traffic Control Devices (MUTCD), 2009 Edition, the Arizona Supplement to the MUTCD, and ADOT Traffic Control Design Guidelines (TCDG), 2019.
2. Adjustments to the Traffic Control Plans and requirements may be necessary due to the variations in construction activities, as directed by the Engineer at no additional cost to the Department.
3. All existing signs in conflict with the construction signs shall be removed, relocated, or completely covered in place, as directed by the Engineer. The contractor shall store and reinstall items which have been removed or relocated in a manner approved by the Engineer at no additional cost to the Department.
4. All construction signs shall have black letters on an orange background, except as otherwise noted. The retroreflective sheeting on all construction signs shall meet criteria established in Section 1007 of ADOT Standard Specifications.
5. Barricades and other devices shall have sandbags placed on their bases, as appropriate to prevent from being knocked or blown over.
6. All signs shown on the plans shall be mounted on spring stands, rigid stands, or as directed by the Engineer. All short-term signs may be installed on spring stands or rigid stands at the height recommended by the manufacturer.
7. Flags shall be mounted on top of all construction signs. Type A flashing warning lights shall be required on all nighttime construction signs.
8. Type A flashing warning lights shall be placed on each end of each Type 3 barricade whenever the Type 3 barricade will remain in place overnight.
9. Construction signs shall not be displayed to traffic more than 24 hours prior to the actual start of construction. These signs may be installed sooner but they must be completely covered or turned away from traffic. The cost for completely covering or turning them shall be considered part of the sign installation cost. No further compensation will be made. These signs shall be removed within 24 hours after the completion of construction activities.
10. All drawings are schematic only and not to scale.



1.9" Radius, 0.8" Border, 0.5" Indent, Black on, Orange; "STADIUM", D 2K; "TRAIL", D 2K; Standard Arrow Custom 14.0" X 5.4" 180';



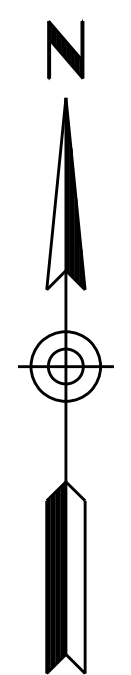
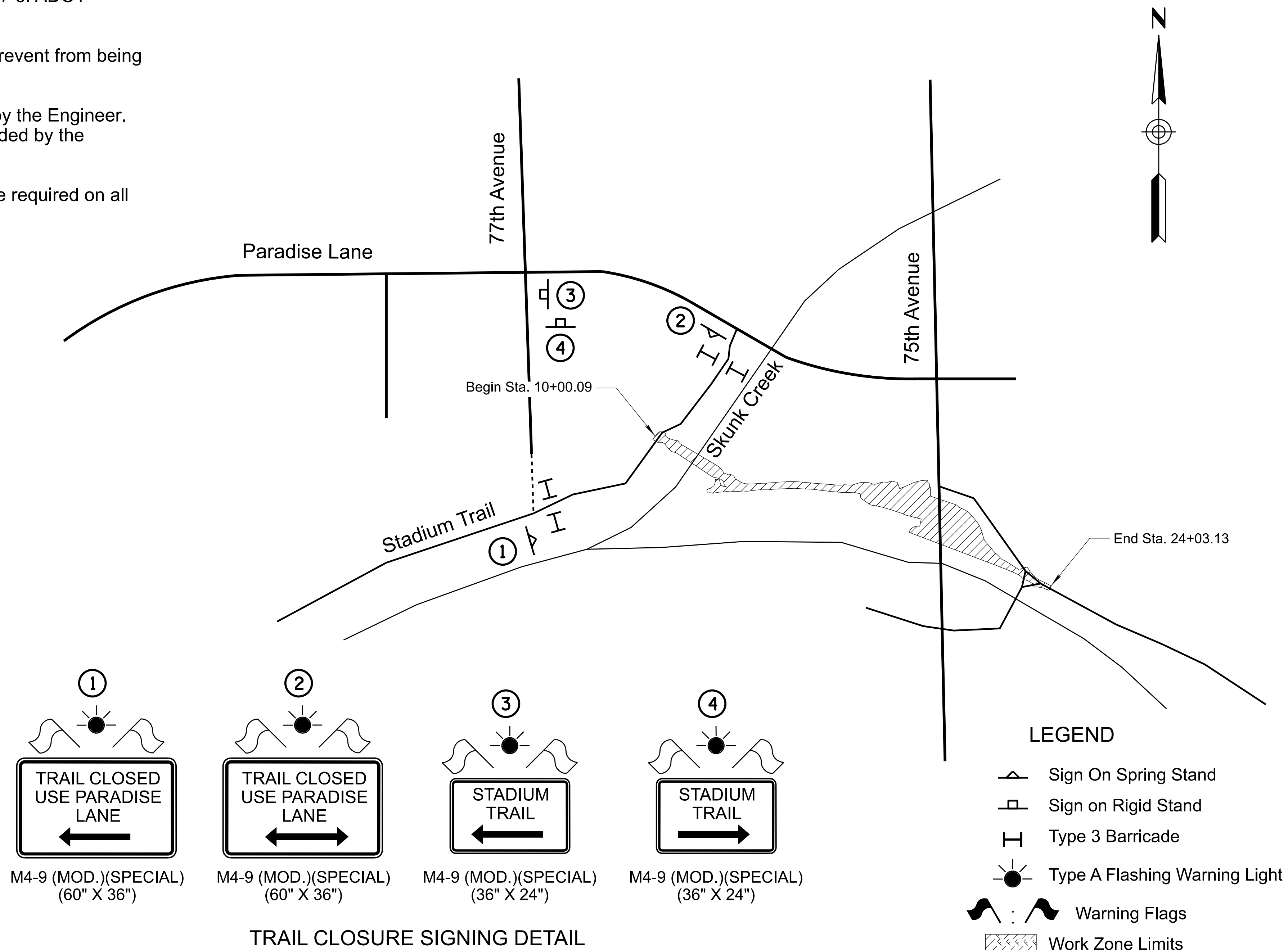
1.9" Radius, 0.8" Border, 0.5" Indent, Black on, Orange; "TRAIL CLOSED", D 2K; "USE PARADISE", D 2K; "LANE", D 2K; Standard Arrow Custom 28.0" X 10.8" 180' Black;



1.9" Radius, 0.8" Border, 0.5" Indent, Black on, Orange; "STADIUM", D 2K; "TRAIL", D 2K; Standard Arrow Custom 14.0" X 5.4" 180' Black;



1.9" Radius, 0.8" Border, 0.5" Indent, Black on, Orange; "TRAIL CLOSED", D 2K; "USE PARADISE", D 2K; "LANE", D 2K; Standard Arrow Custom 37.0" X 10.8" 180' Black;



LEGEND

- ▲ Sign On Spring Stand
- ▣ Sign on Rigid Stand
- ⊥ Type 3 Barricade
- Type A Flashing Warning Light
- ⚠ Warning Flags
- ▨ Work Zone Limits

	DESIGN	IR	NAME	DATE	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION TRAFFIC DESIGN SECTION	ROUTE	N/A	F.H.W.A. Arizona Division ARIZ.	STATE	ARIZ.	PROJECT NO.	0000 MA PEO	FEDERAL AID NO.	PEO-0(229)T	SHEET NO.	21	TOTAL SHEETS	51	RECORD DRAWING	
	DRAWN	PO		5/24		MILEPOST	-		LOCATION	75TH AVE TO SKUNK CREEK							DWG NO.	T-01.01		
	CHECKED	AB		5/24		STRUCTURE NO.			TRACS NO.	T0321 01C				OF						




MAINTENANCE OF TRAFFIC

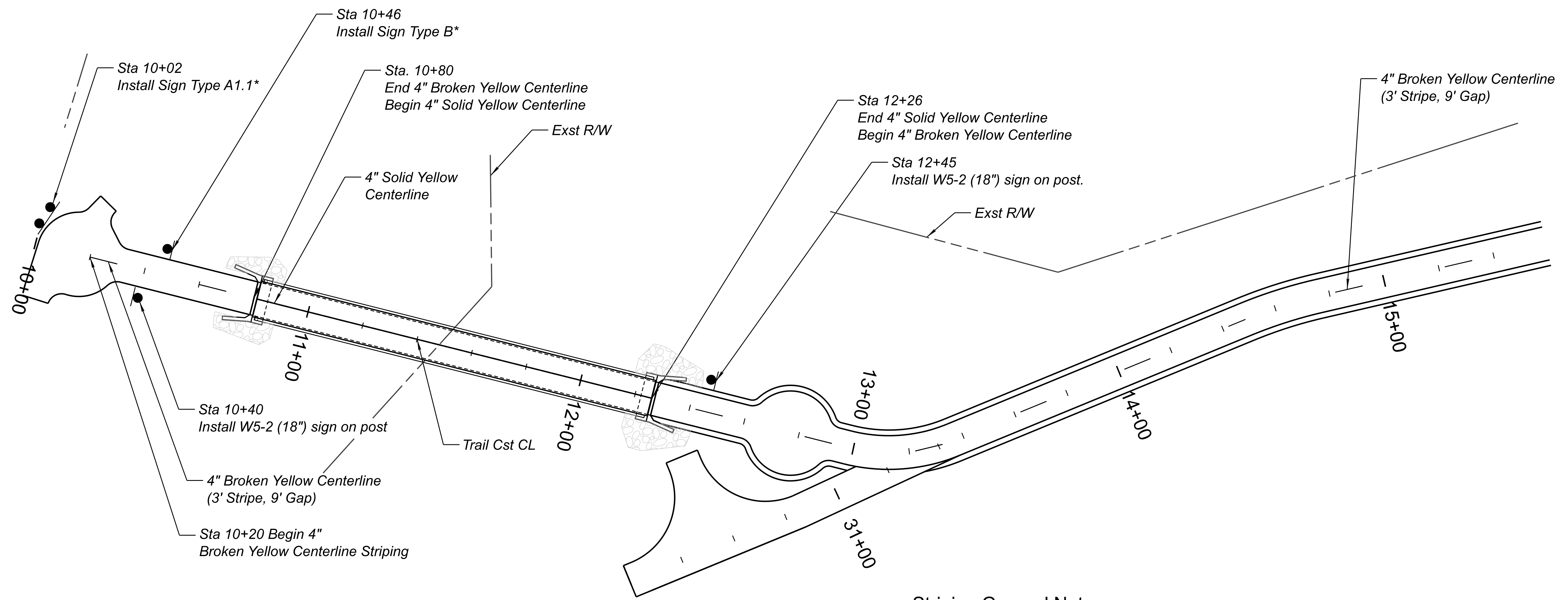
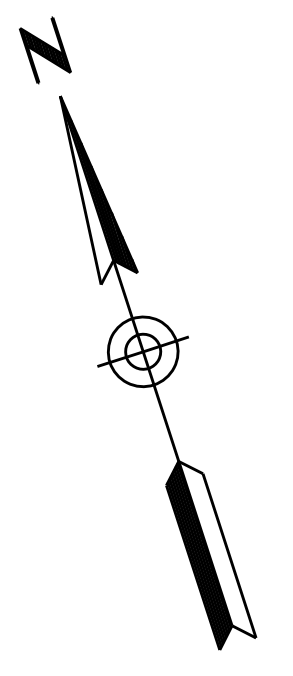
CONSTRUCTION ACTIVITY	TRAFFIC CONTROL	COMMENTS
1.	Construct pedestrian bridge and trail. Close existing trail between Paradise Lane and 77th Avenue. Provide signing per Detail shown on DWG No. T-01.01.	Install Type 3 barricades at each end of the trail closure. Install temporary signs directing pedestrians to use Paradise Lane for duration the of the project.

1. The contractor shall perform the work in the most expeditious manner with the plans, special provisions, and with approval of the Engineer.

ESTIMATED QUANTITIES FOR TRAFFIC CONTROL

Item No.	Item Description	Unit	Activity 1 (280 Working Days)	Total
7010005	Maintenance and Protection of Traffic	L.Sum	1	1
7015091	Specialty Signs	Square-Foot	42	42

	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><th>NAME</th><th>DATE</th></tr> <tr><td>DESIGN IR</td><td>5/24</td></tr> <tr><td>DRAWN PO</td><td>5/24</td></tr> <tr><td>CHECKED AB</td><td>5/24</td></tr> </table>	NAME	DATE	DESIGN IR	5/24	DRAWN PO	5/24	CHECKED AB	5/24	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION TRAFFIC DESIGN SECTION	ROUTE N/A	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. 0000 MA PEO	FEDERAL AID NO. PEO-0(229)T	SHEET NO. 22	TOTAL SHEETS 51	RECORD DRAWING
	NAME	DATE																
	DESIGN IR	5/24																
DRAWN PO	5/24																	
CHECKED AB	5/24																	
	MAINTENANCE OF TRAFFIC AND TRAFFIC CONTROL QUANTITIES	MILEPOST -	LOCATION 75TH AVE TO SKUNK CREEK				DWG NO. T-01.02											
				TRACS NO. T0321 01C				OF										

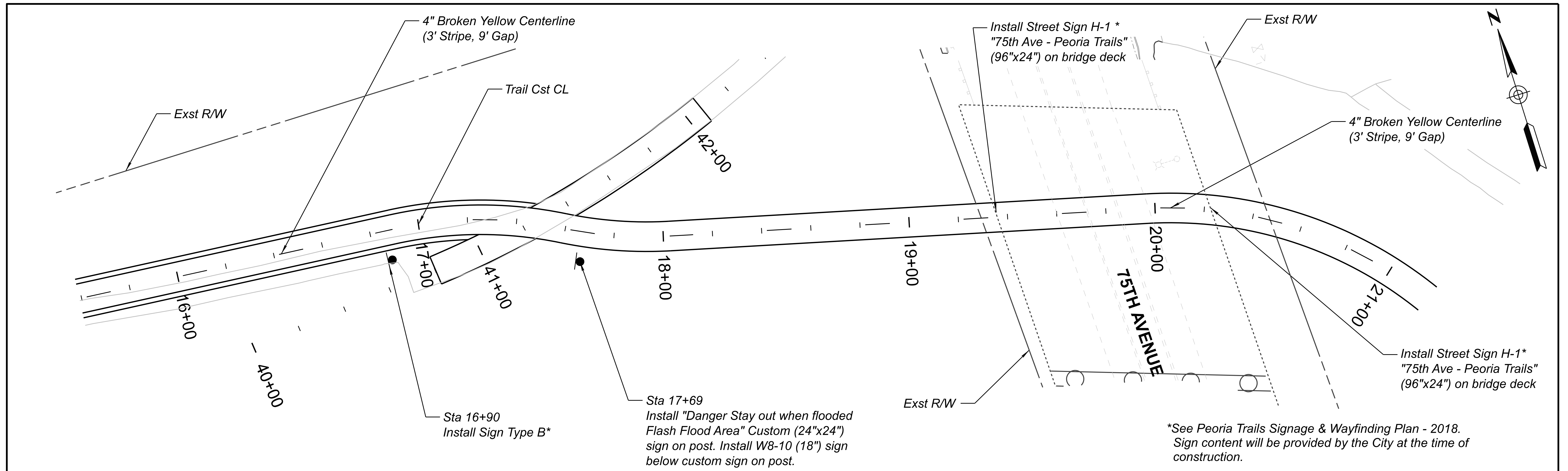


Striping General Notes

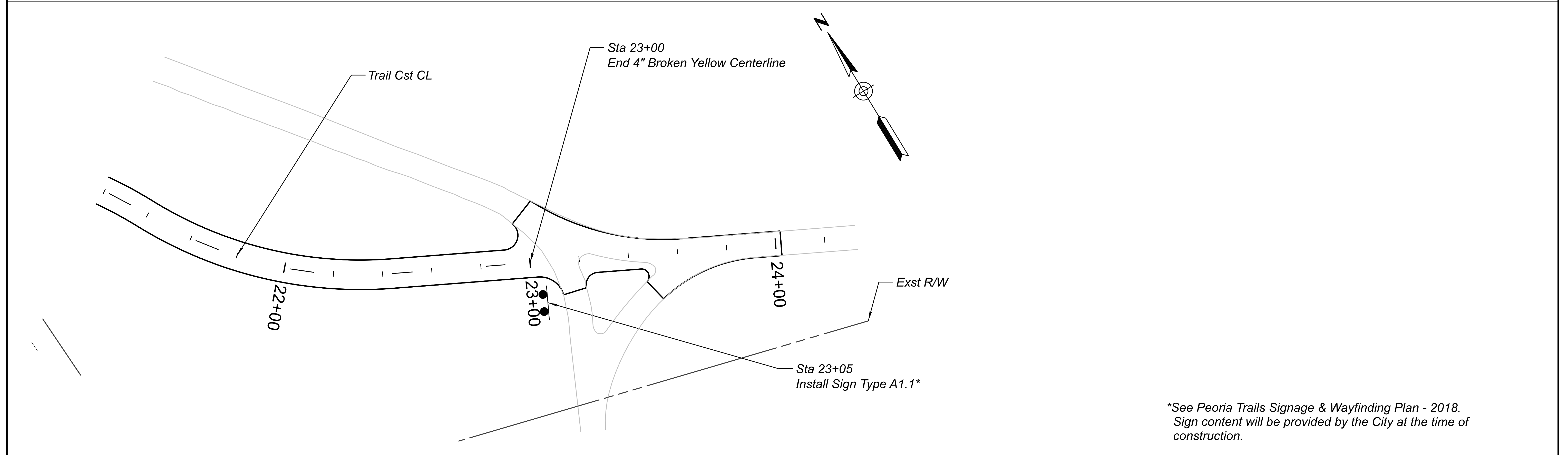
1. Final striping shall be Waterborne-Type 1 Pavement Marking (Painted, yellow).
2. The Engineer may require the contractor to adjust pavement marking locations, offsets and types of markings prior to installation.
3. Any pavement markings applied prior to inspection and approval by the Engineer shall be obliterated, sealed and re-striped at the contractor's expense.

*See Peoria Trails Signage & Wayfinding Plan - 2018.
Sign content will be provided by the City at the time of construction.


		NAME	DATE	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION TRAFFIC DESIGN SECTION	ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL AID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	DESIGN	IR	5/24		N/A							
	DRAWN	PO	5/24		-							
	CHECKED	AB	5/24		MILEPOST	LOCATION 75TH AVE TO SKUNK CREEK						
					-	TRACS NO. T0321 01C						
					STRUCTURE NO.							
				DWG NO. T-02.01		_____ OF _____						



*See Peoria Trails Signage & Wayfinding Plan - 2018. Sign content will be provided by the City at the time of construction.



*See Peoria Trails Signage & Wayfinding Plan - 2018. Sign content will be provided by the City at the time of construction.

	DESIGN	IR	5/24	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION TRAFFIC DESIGN SECTION	ROUTE	N/A	F.H.W.A. Arizona Division STATE: ARIZ.	PROJECT NO.	0000 MA PEO	FEDERAL AID NO.	PEO-0(229)T	SHEET NO.	24	TOTAL SHEETS	51	RECORD DRAWING
	DRAWN	PO	5/24		MILEPOST	-		LOCATION	75TH AVE TO SKUNK CREEK				DWG NO.	T-02.02		
	CHECKED	AB	5/24		STRUCTURE NO.	-		TRACS NO.	T0321 01C	ADOT		OF				

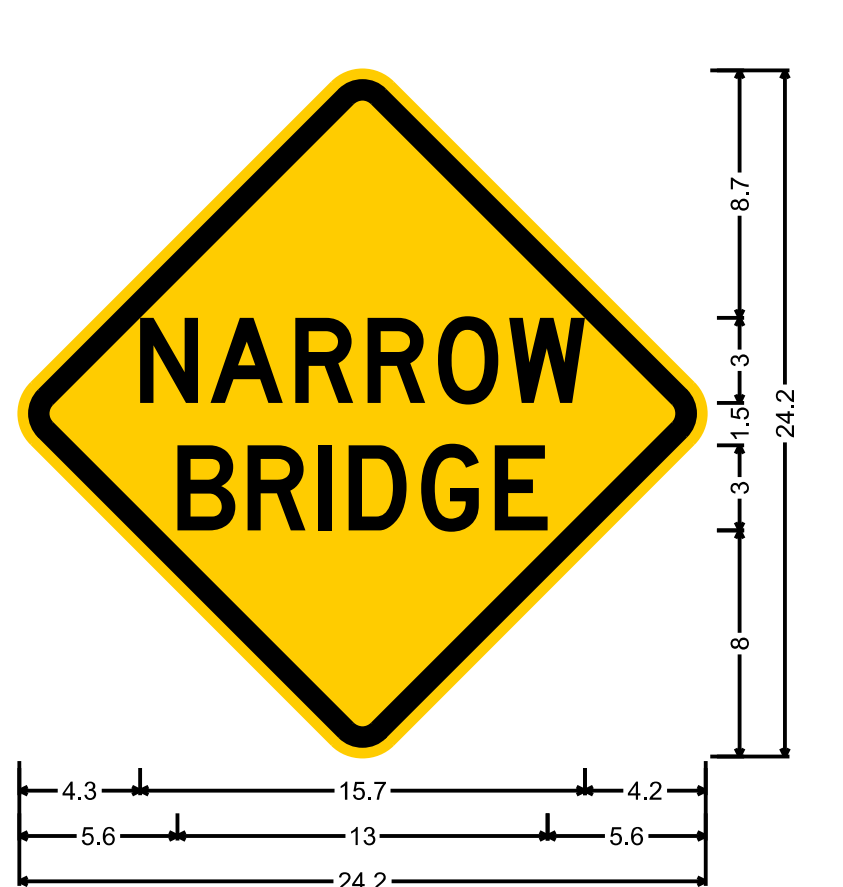


SIGN SUMMARY

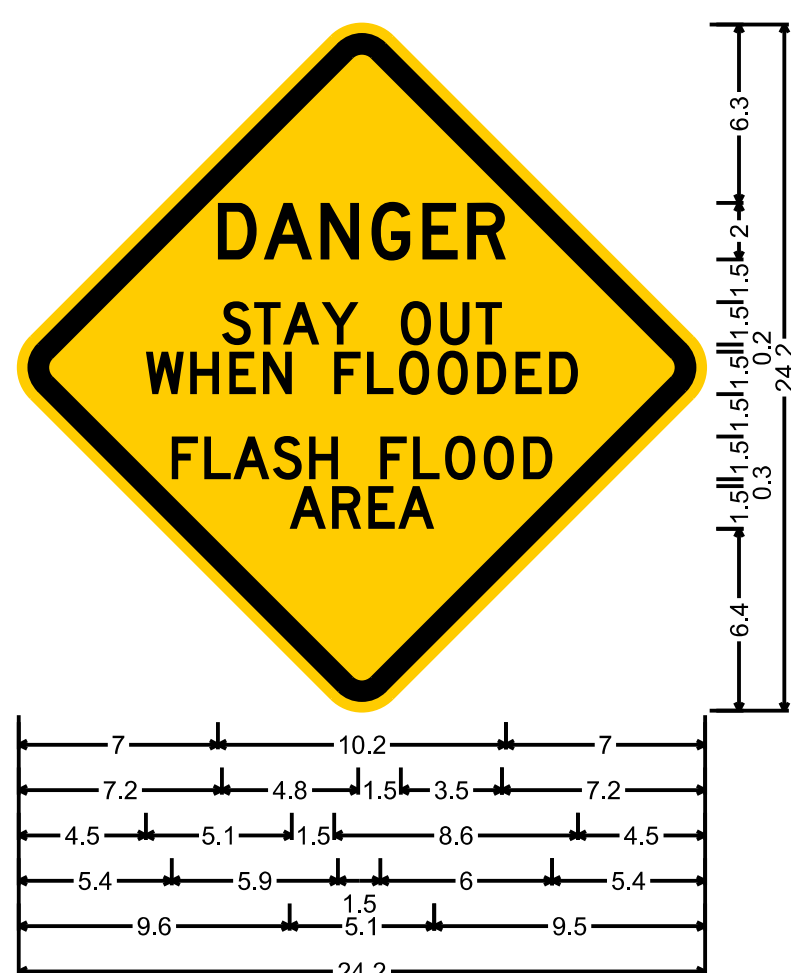
Sign Number (Station)	MOAS Sign Code	Work						Mounting Height (ft)	Background Color	Panel					Ground Mounted				Remarks
		New	Replace Panel	Relocate Panel	Modify Legend	Remove	To Remain			Offset (ft)	Legend	Width (in)	Height (in)	Area (sq. ft)	Type	Bid Item Number	Foundations	Type	
10+02	TYPE A1.1	X							*	TO BE DETERMINED	*	*	*	*	9240135	*	*	*	Sign content will be provided by City at time of construction *See Detail G
10+40	W5-2	X							YL	NARROW BRIDGE	18	18	2.25	RWM	6080005	1	2S	11	
10+46	TYPE B	X							BL/GR	TO BE DETERMINED	24	36	6.00	RWM	6080005	1	2S	10	Sign content will be provided by City at time of construction
12+45	W5-2	X							YL	NARROW BRIDGE	18	18	2.25	RWM	6080005	1	2S	11	
16+90	TYPE B	X							BL/GR	TO BE DETERMINED	24	36	6.00	RWM	6080005	1	2S	10	Sign content will be provided by City at time of construction
17+69	CUSTOM	X							YL	DANGER STAY OUT WHEN FLOODED FLASH FLOOD AREA	24	24	4.00	RWM	6080005	1	2 1/2S	13	
+	W8-10	X							YL	SLIPPERY WHEN WET BICYCLE SYMBOL	18	18	2.25	RWM	6080005				Install below CUSTOM sign
+	W8-10P	X							YL	SLIPPERY WHEN WET (PLAQUE)	6	4	0.17	RWM	6080005				Install below W8-10 sign
19+37	TYPE H-1	X							BL/GR	75TH AVE - PEORIA TRAILS	96	24	16.00	RWM	6080005				Mount on bridge deck
20+23	TYPE H-1	X							BL/GR	75TH AVE - PEORIA TRAILS	96	24	16.00	RWM	6080005				Mount on bridge deck
23+05	TYPE A1.1	X							*	TO BE DETERMINED	*	*	*	*	9240135	*	*	*	Sign content will be provided by City at time of construction *See Detail G

*See Peoria Trails Signage & Wayfinding Plan - 2018.
Sign content will be provided by the City at the time of construction.

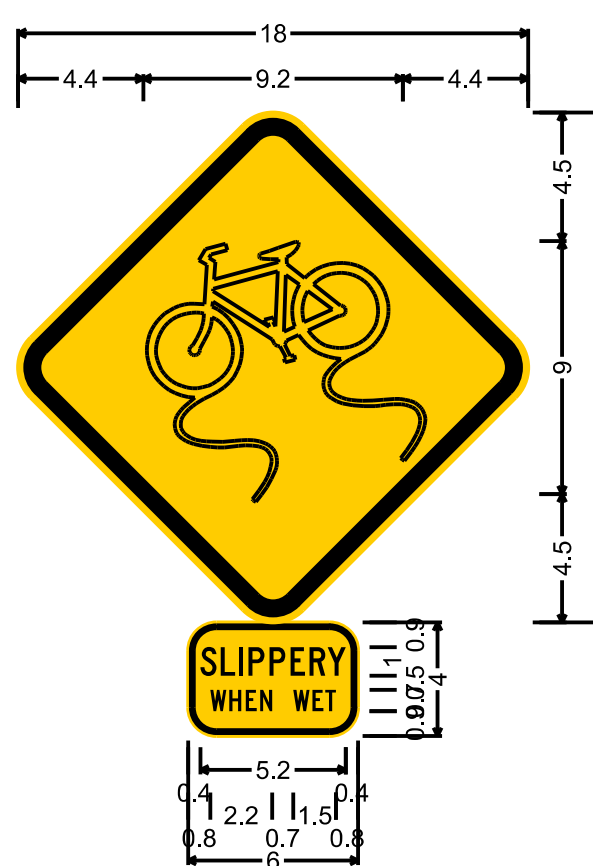
SIGN LEGEND



W5-2_18x18;
18.0" across sides 1.5" Radius, 0.6" Border, 0.4" Indent, Black on, Yellow;
"NARROW", D 2K specified length;
"BRIDGE", D 2K specified length;



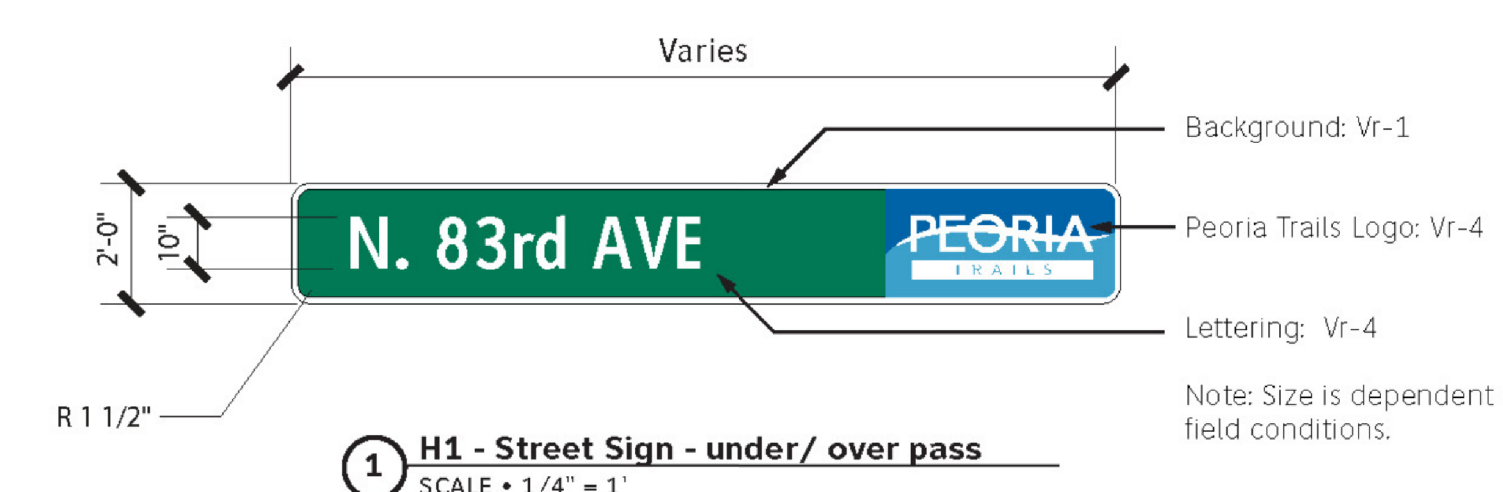
Custom Sign - 18x18;
18.0" across sides 1.5" Radius, 0.6" Border, 0.4" Indent, Black on, Yellow;
"DANGER", D 2K; "STAY OUT", D 2K;
"WHEN FLOODED", D 2K; "FLASH FLOOD", D 2K;
"AREA", D 2K;



W8-10_Custom Size per Peoria Wayfinding;
13.6" across sides 1.5" Radius, 0.5" Border, 0.3" Indent, Black on, Yellow;
"SLIPPERY", C 2K 91% spacing;
"WHEN WET", C 2K 98% spacing;

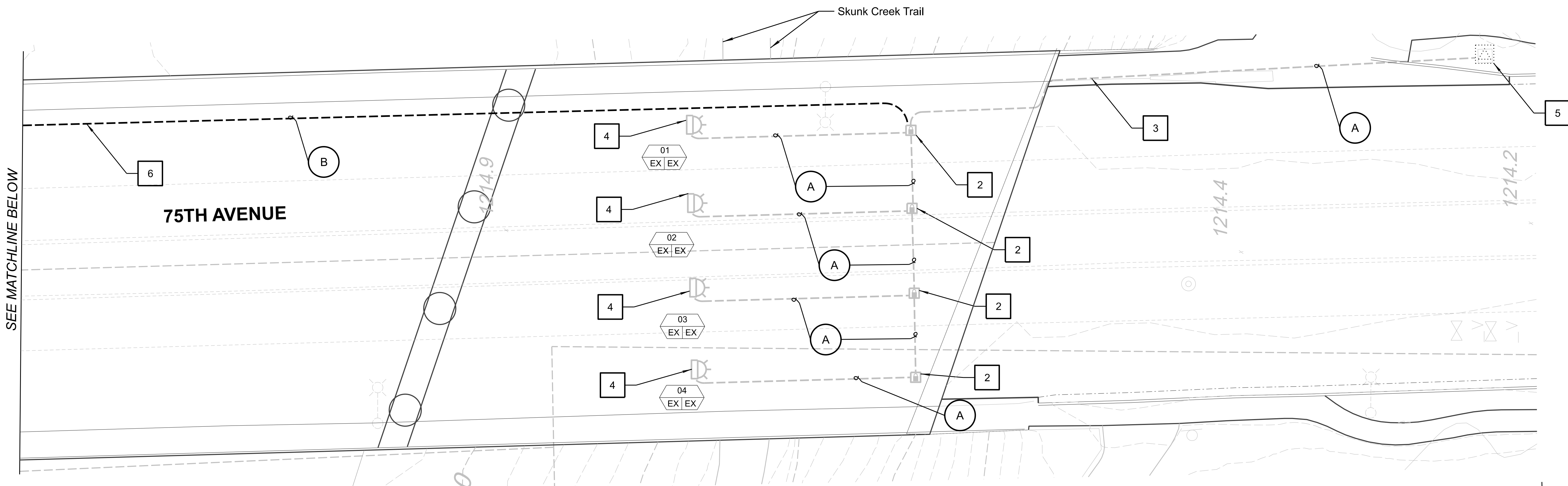


TYPE B*
(SAMPLE ONLY)



TYPE H-1
(SAMPLE ONLY)

	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>DESIGN</th> <th>NAME</th> <th>DATE</th> </tr> <tr> <td>IR</td> <td></td> <td>5/24</td> </tr> <tr> <td>DRAWN</td> <td>PO</td> <td>5/24</td> </tr> <tr> <td>CHECKED</td> <td>AB</td> <td>5/24</td> </tr> </table>	DESIGN	NAME	DATE	IR		5/24	DRAWN	PO	5/24	CHECKED	AB	5/24	Jacobs <small>1501 W. FOUNTAINHEAD PKWY, SUITE 401 TEMPE, AZ 85282, PH: 480.966.8188 WWW.JACOBS.COM</small>	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION TRAFFIC DESIGN SECTION	ROUTE N/A MILEPOST - STRUCTURE NO. -	F.H.W.A. Arizona Division LOCATION 75TH AVE TO SKUNK CREEK TRACS NO. T0321 01C	STATE ARIZ. 	PROJECT NO. 0000 MA PEO FEDERAL AID NO. PEO-0(229)T	SHEET NO. 25 TOTAL SHEETS 51	RECORD DRAWING DWG NO. T-02.03 OF
	DESIGN	NAME	DATE																		
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DRAWN	PO	5/24																			
CHECKED	AB	5/24																			

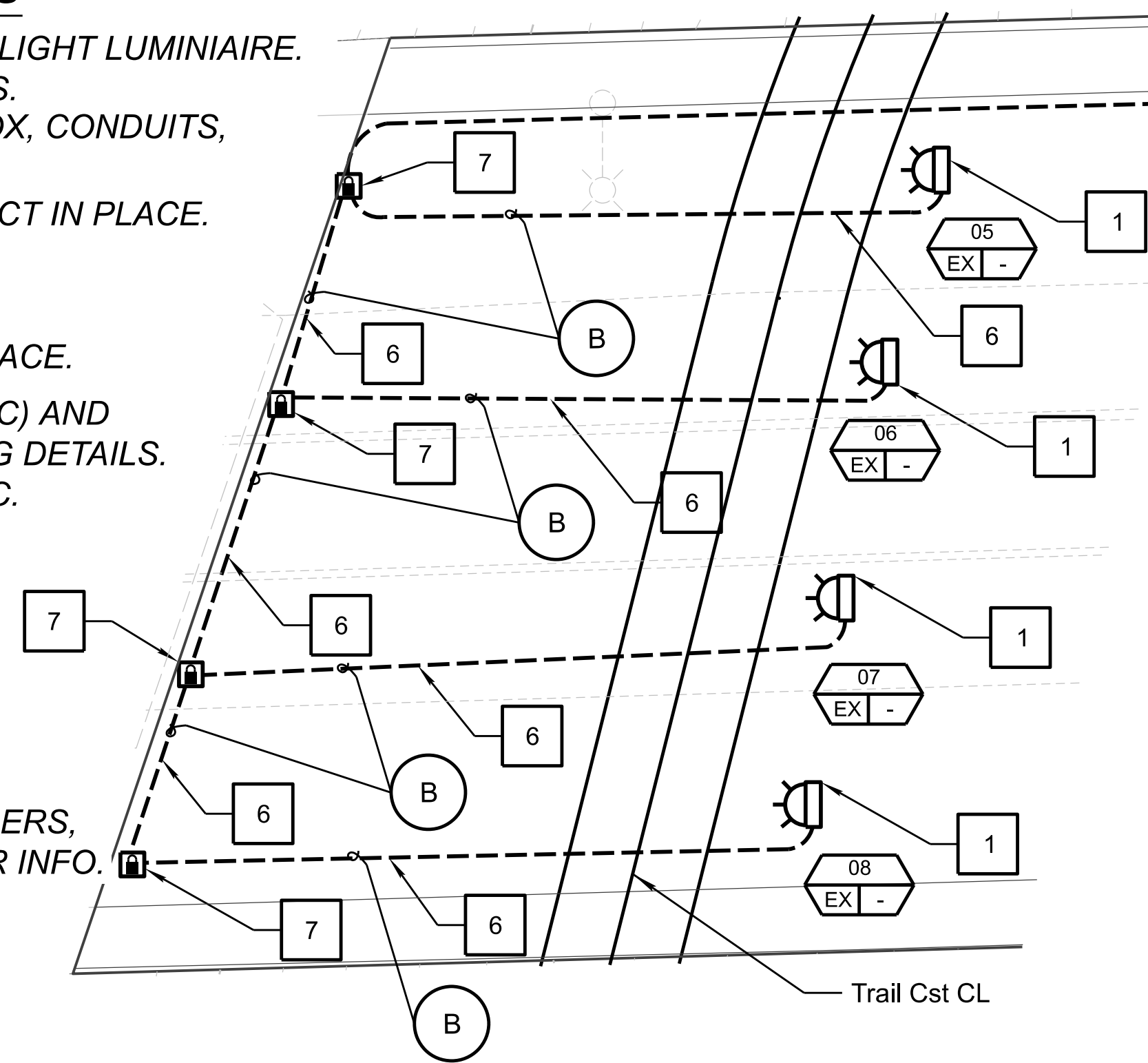


LIGHTING CONSTRUCTION NOTES

- 1. INSTALL NEW 12 W UNDERDECK LED CAGE LIGHT LUMINAIRE. SEE SHEET L-01.02 FOR MOUNTING DETAILS.
- 2. PROTECT IN PLACE EXISTING JUNCTION BOX, CONDUITS, AND CABLES.
- 3. EXISTING RUN TO POWER SOURCE, PROTECT IN PLACE.
- 4. EXISTING LUMINAIRE, PROTECT IN PLACE.
- 5. EXISTING POWER SOURCE, PROTECT IN PLACE.
- 6. INSTALL NEW 1" RIGID METAL CONDUIT (RMC) AND CABLES. SEE SHEET L-01.02 FOR MOUNTING DETAILS. SECURE CONDUIT TO STRUCTURE PER NEC.
- 7. INSTALL NEW 4" x 4" METAL JUNCTION BOX.

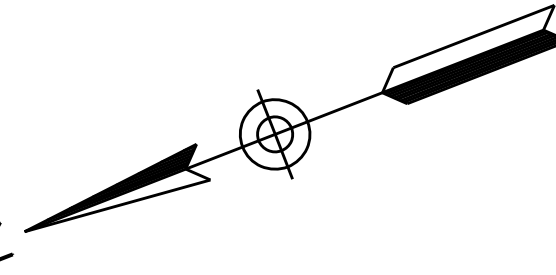
NOTES

- 1. CONDUIT SHALL BE SUSPENDED BETWEEN GIRDERS, SEE SHEET L-01.02 DETAILS FOR CONDUIT HANGER INFO.
- 2. INSTALL METAL BRACKET TO HOLD UNDERDECK LUMINAIRE PER UNDERDECK LIGHTING SUPPORT DETAIL ON SHEET L-01.02.



CONDUIT SCHEDULE

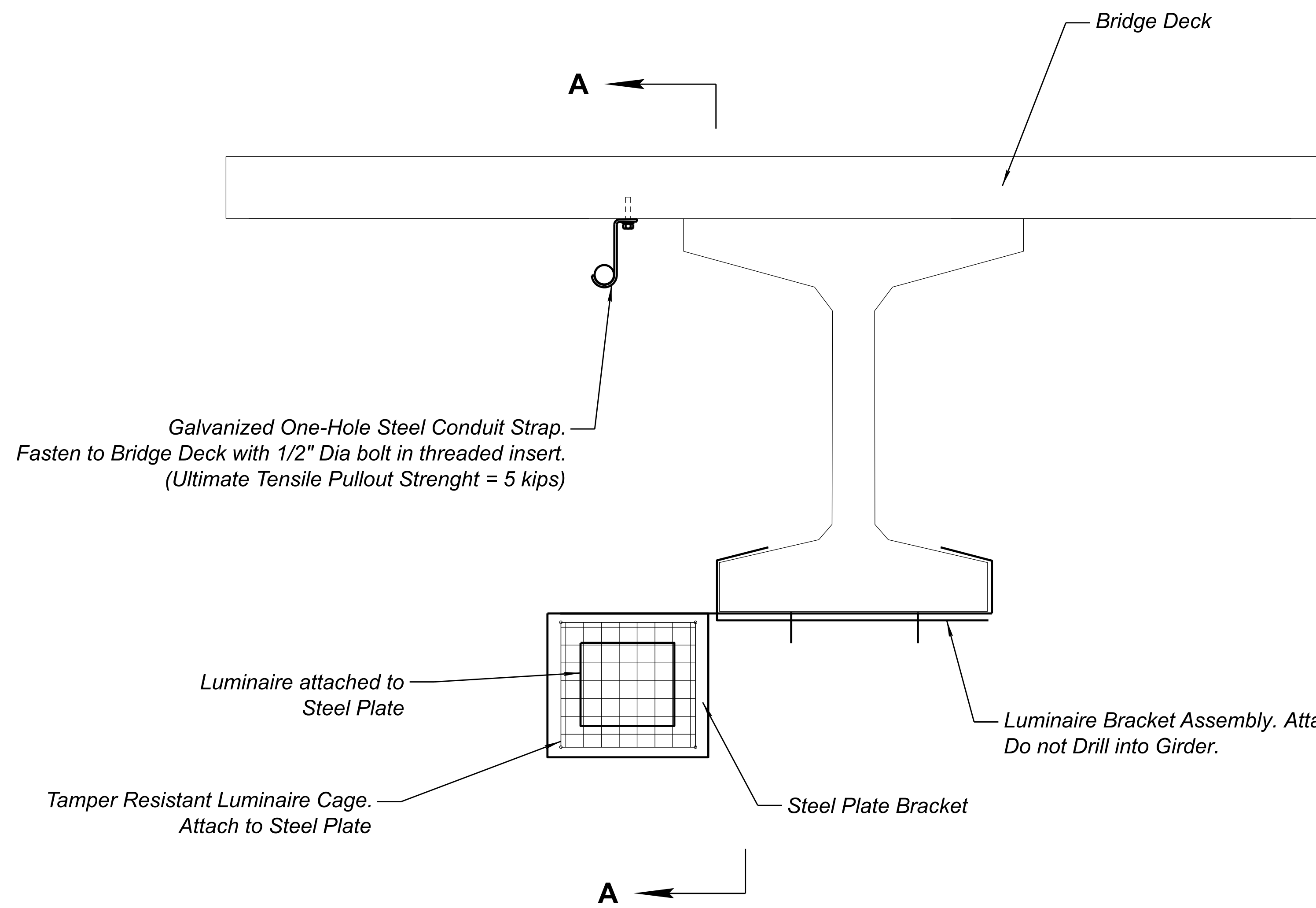
CONDUIT RUN	A	B
CONDUIT TYPE	EXIST	RMC
CONDUIT SIZE	EXIST	1"
AWG		
#12 EXISTING CIRCUIT	EXIST	2
#12 GROUND	EXIST	1



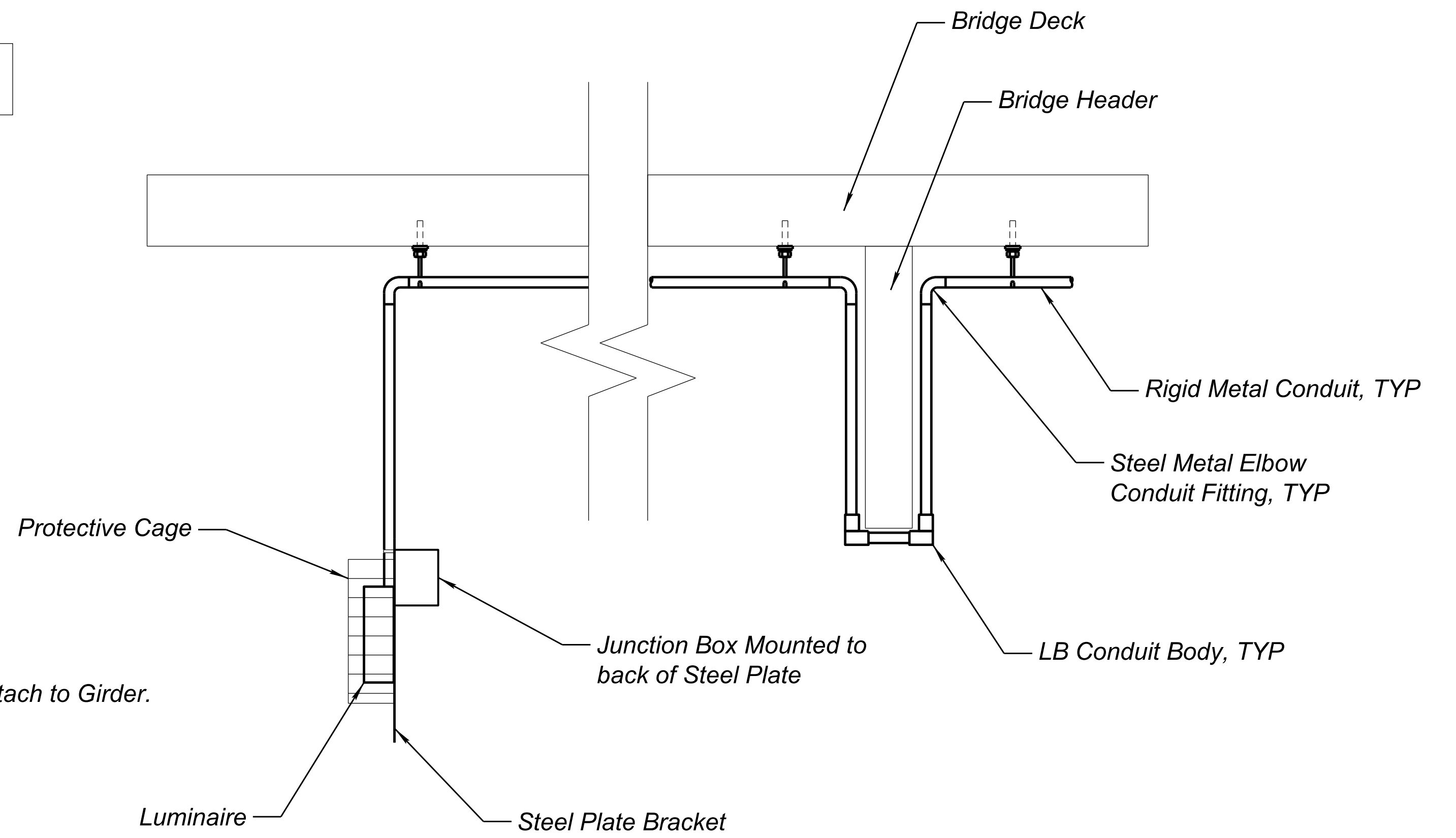
LUMINAIRE SCHEDULE

LIGHT NO.	CIRCUIT	FIXTURE TYPE	QTY	WATTAGE	DISTRIBUTION	LUMENS	CCT	STATION	OFFSET
01	EXIST	EXIST	EX	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST
02	EXIST	EXIST	EX	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST
03	EXIST	EXIST	EX	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST
04	EXIST	EXIST	EX	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST
05	EXIST	UNDERDECK LED	1	12 W	TYPE III	1,400	2700K	20+09	11.5' RT
06	EXIST	UNDERDECK LED	1	12 W	TYPE III	1,400	2700K	19+91	11.5' RT
07	EXIST	UNDERDECK LED	1	12 W	TYPE III	1,400	2700K	19+70	11.5' RT
08	EXIST	UNDERDECK LED	1	12 W	TYPE III	1,400	2700K	19+52	11.5' RT

	Jacobs	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION TRAFFIC DESIGN SECTION	ROUTE N/A MILEPOST - STRUCTURE NO. -	F.H.W.A. Arizona Division STATE ARIZ.	PROJECT NO. 0000 MA PEO FEDERAL AID NO. PEO-0(229)T SHEET NO. 26 TOTAL SHEETS 51	RECORD DRAWING
	UNDERDECK LIGHTING PLAN	LOCATION 75TH AVE TO SKUNK CREEK TRACS NO. T0321 01C				DWG NO. L-01.01 OF
	1501 W. FOUNTAINHEAD PKWY., SUITE 401 TEMPE, AZ 85282, PH: 480.966.8188 WWW.JACOBS.COM					



Conduit and Luminaire Mounting Detail



Section A-A

	DESIGN	DB	5/24	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION TRAFFIC DESIGN SECTION	ROUTE	N/A	F.H.W.A. Arizona Division STATE: ARIZ.	PROJECT NO.	0000 MA PEO	FEDERAL AID NO.	PEO-0(229)T	SHEET NO.	27	TOTAL SHEETS	51	RECORD DRAWING
	DRAWN	DB	5/24		MILEPOST	-		LOCATION	75TH AVE TO SKUNK CREEK				DWG NO.	L-01.02		
	CHECKED	JS	5/24		STRUCTURE NO.			TRACS NO.	T0321 01C			OF				

CONTROL MEASURE INDEX SHEET (CMIS)

TO BE COMPLETED FOR PROJECTS WITH ONE (1) ACRE OR MORE OF SOIL/GROUND DISTURBANCE OUTSIDE OF JURISDICTIONAL WATERS OF THE U.S. (≥1 ACRE*)

* For projects that meet the definition of maintenance under AZPDES CGP, the permit threshold is five (≥ 5) acres. Consult with ADOT EP Water Resources Management to define Jurisdictional Waters of the U. S.

I. PROJECT DESCRIPTION

A. Owner Name and Address:

Arizona Department of Transportation
205 South 17th Avenue
Phoenix, Arizona 85007-3213

B. Project TRACS Number: T0321 01C

C. Project Name/Location (be consistent with the plan set cover sheet): Stadium Trial Phase 2; 75th Ave to Skunk Creek

City: Peoria County: Maricopa

Beginning Latitude (NAD 83): 33° 38' 01"

Beginning Longitude (NAD 83): 112° 13' 23"

Ending Latitude (NAD 83): 33° 37' 56"

Ending Longitude (NAD 83): 112° 13' 08"

To obtain the project latitude/longitude data, refer to the Flash Earth web link below (Bing Maps with labels):

<http://www.flashearth.com/>

D. Project Description: Construction of a new section of the New River Trail, A new pedestrian bridge over Skunk Creek, new drainage structures, and erosion & sediment control measures

II. HYDROLOGIC INFORMATION

A. Percentage of the site that is impervious before and after construction:

Percentage before Construction: 37%

Percentage after Construction: 39%

B. Receiving Water(s), refer to the plan set cover sheet and the NHD Plus HR Availability Map Web Link below:

<https://usgs.maps.arcgis.com/apps/MapTools/index.html?appid=41a5c2ca49bd4a83b239450e61022d53>

(If unnamed, state as unnamed)

Skunk Creek

III. SOIL STABILIZATION MEASURES

All disturbed soil, which will not be paved, riprapped or otherwise covered to prevent erosion, will be revegetated and/or landscaped in accordance with the project plans and specifications.

IV. MEASURES TO CONTROL STORMWATER AND AIR QUALITY

A. Temporary Stormwater and Air Quality Control Measures (CMs) / Best Management Practices (BMPs)



- Temporary Diversion Dikes
- Temporary Rock Check Dams
- Stabilized Construction Entrance/Exit Gravel Pad
- Soil Stabilizer for Wind Erosion and Dust Control
- Rock Inlet/Outlet Protection
- Sediment Control Berms
- Silt Fences
- Wattles (Excelsior/Straw/Compost)
- Excelsior Logs / Sediment Logs
- Erosion Control Mattings
- Seeding (Class II with final mulch cover)
- Gravelbag
- Catch Basin Temporary Fabric Filter
- Designated Washout Areas
- Protected Chemical and Material Storage Area
- Equipment Maintenance Procedures
- Others Describe: _____

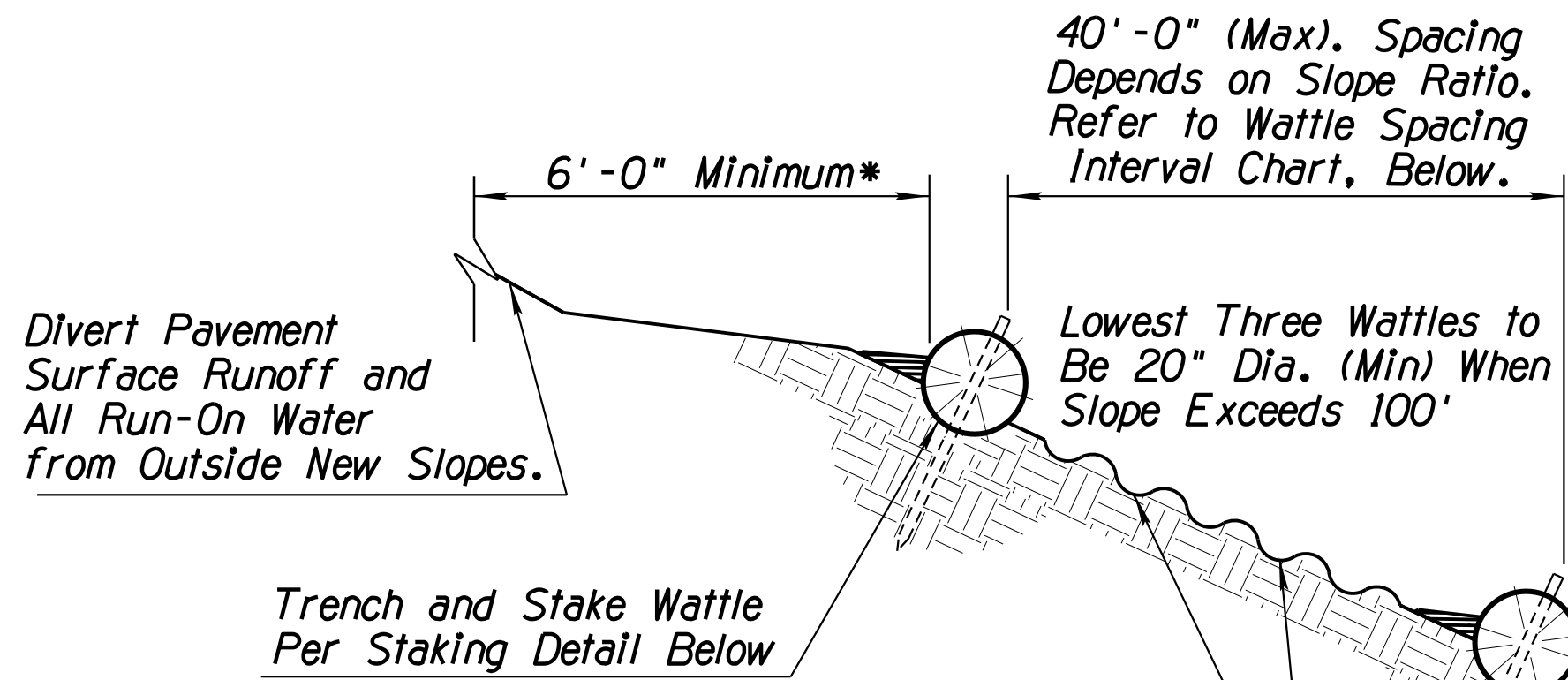
B. Permanent and Post-construction Stormwater and Air Quality Control Measures (CMs) / Best Management Practices (BMPs):

- Crown Ditch/Dike
- Rock Protection
- Rock Riprap Channel Lining
- Sediment Basin
- Embankment Curb
- Spillways
- Downdrains
- Minibenching
- Solid Waste Management
- **Rock-filled Stormwater Infiltration CM/BMP as Infiltration Basin and/or Trench
- **Filtration Structures
- **Infiltration Basin and/or Trench
- **Retention and/or Detention Basins
- **Bioretention
- **Manufactured Treatment Devices
- Seeding established as a perennial vegetative cover with a density of 70% of the native background vegetative cover.
- Others Describe: Drainage to install rip rap bank protection along disturbed slopes.

** Track and report to ADOT EP Water Resources Management:

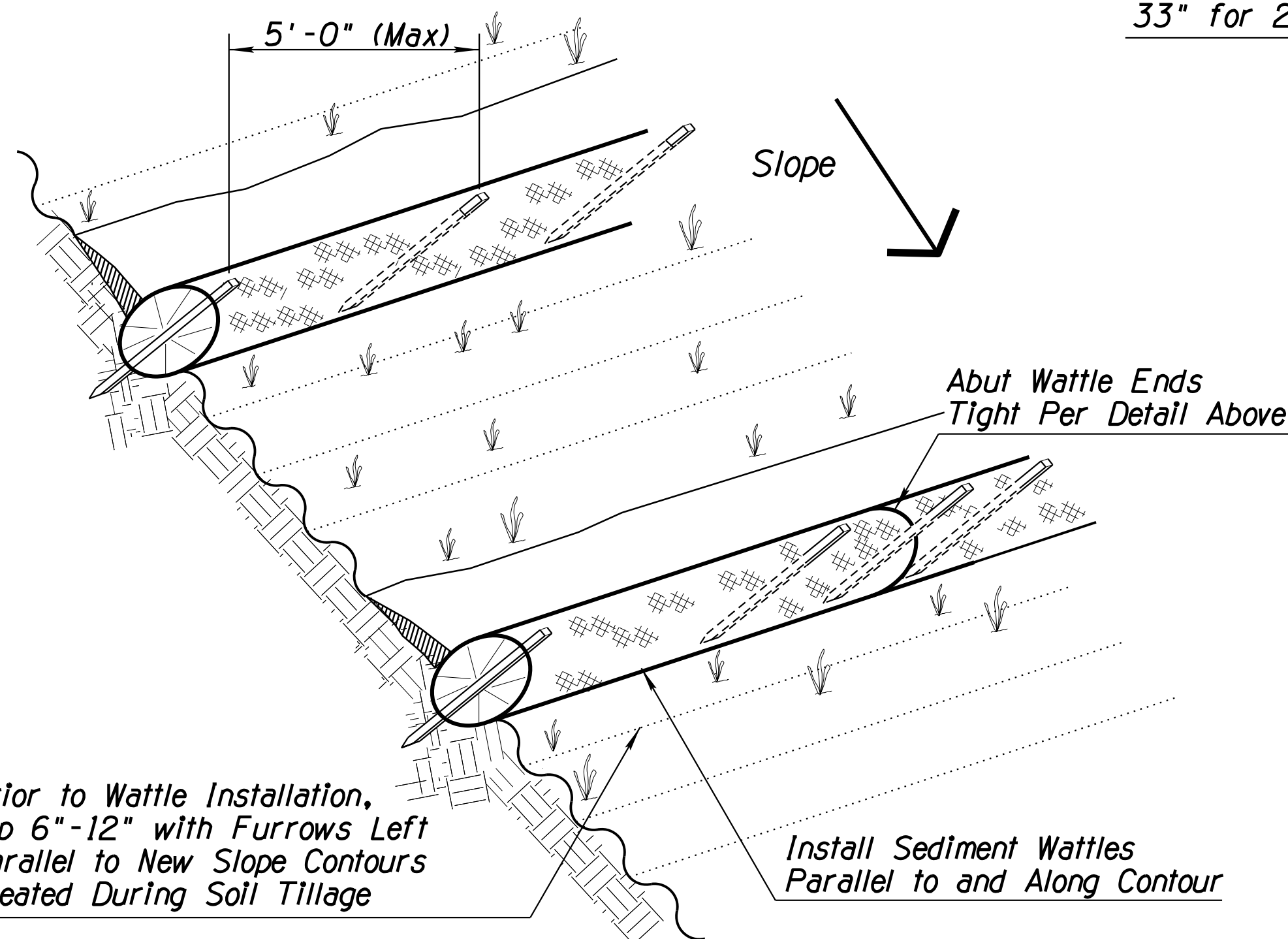
ADOTWater@azdot.gov

	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 30%;">NAME</th> <th style="width: 30%;">DATE</th> </tr> <tr> <td>DESIGN E. NICHOLS</td> <td>05/24</td> </tr> <tr> <td>DRAWN E. NICHOLS</td> <td>05/24</td> </tr> <tr> <td>CHECKED A. HAWKINS</td> <td>05/24</td> </tr> </table>	NAME	DATE	DESIGN E. NICHOLS	05/24	DRAWN E. NICHOLS	05/24	CHECKED A. HAWKINS	05/24	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION ROADSIDE DEVELOPMENT SECTION	ROUTE N/A MILEPOST STRUCTURE NO.	F.H.W.A. Arizona Division STATE ARIZ.	PROJECT NO. 0000 MA PEO	FEDERAL ID NO. PEO-0(229)T	SHEET NO. 28	TOTAL SHEETS 51	RECORD DRAWING
	NAME	DATE															
DESIGN E. NICHOLS	05/24																
DRAWN E. NICHOLS	05/24																
CHECKED A. HAWKINS	05/24																
	CONTROL MEASURE INDEX SHEET	LOCATION 75TH AVE TO SKUNK CREEK	TRACS NO. T0321 01C	DWG NO. EC-1.01 OF													

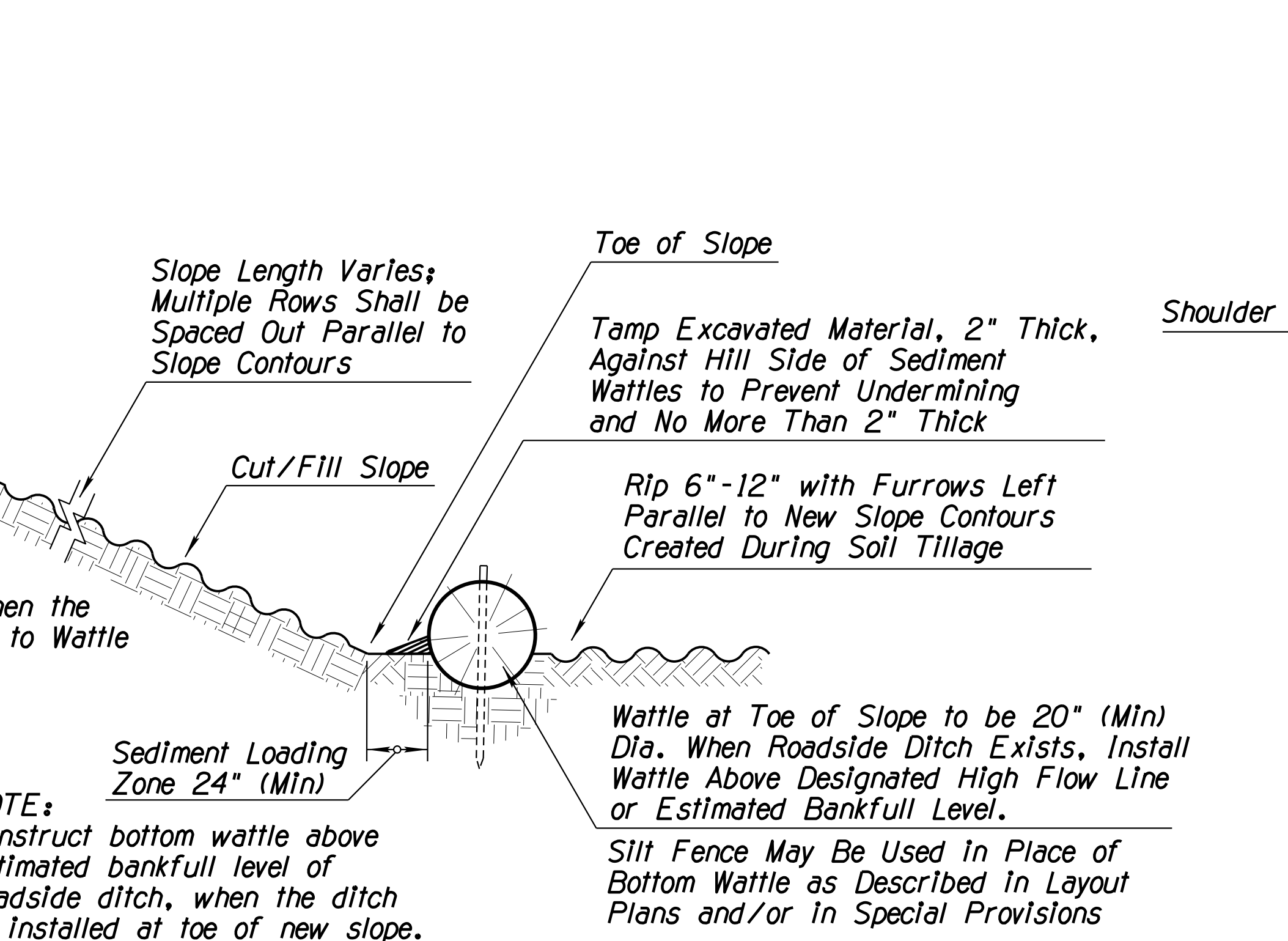


WATTLE SPACING INTERVALS	
Slope Ratio (H:V)	Maximum Spacing Interval
2:1	10'
3:1	20'
4:1	30'
5:1	40'
6:1	40'

- * Notes:
- 1) Top Row Shall Not be Placed within 6'-0" of Edge of Pavement and 9'-0" from Outside Surface of Barrier.
 - 2) For erosive soils, place rows of wattles closer together.
 - 3) For soils with low erosive potential, place rows of wattles further apart.

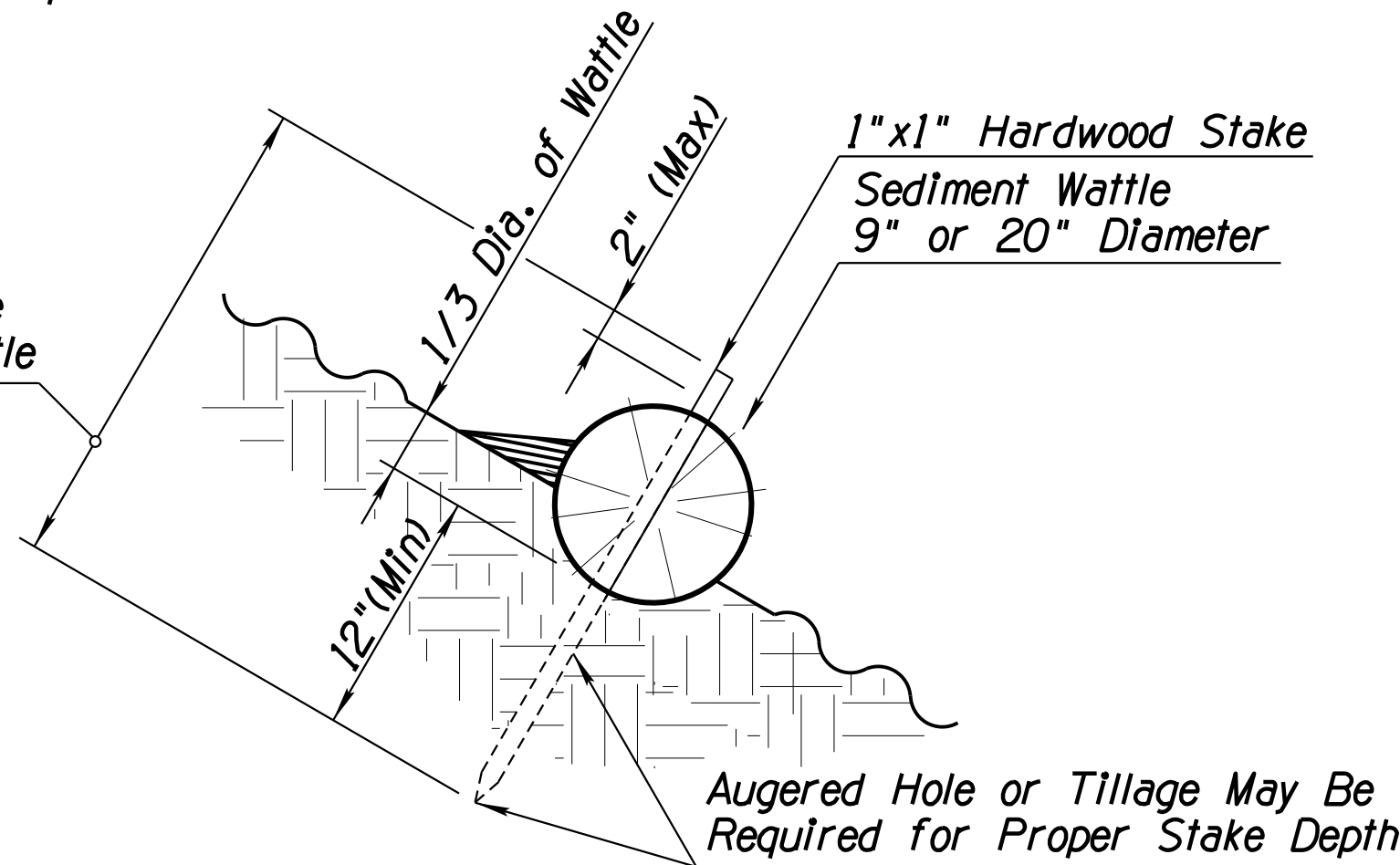


SEDIMENT WATTLE LAYOUT (NTS)



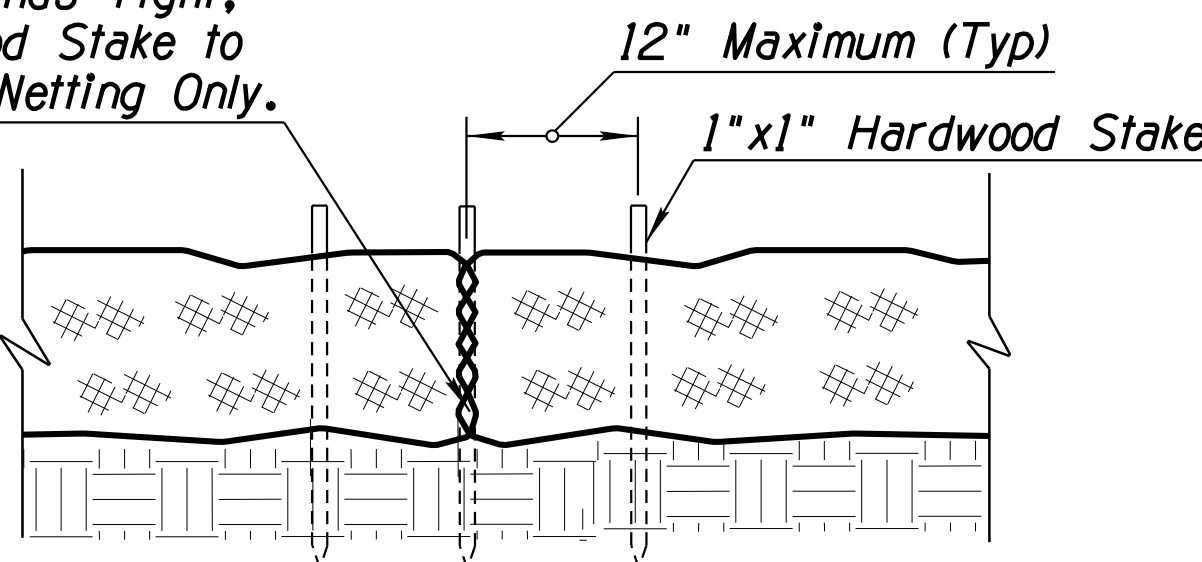
SECTION (NTS)

Stake Length:
24" for 9" Dia. Wattle
33" for 20" Dia. Wattle

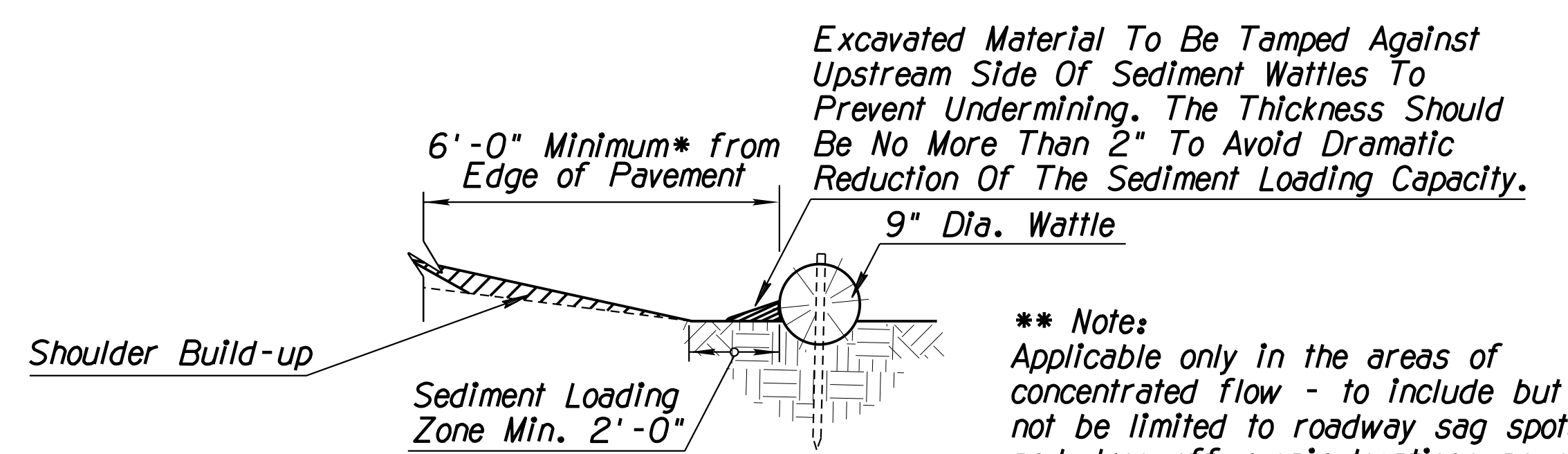


SEDIMENT WATTLE STAKING DETAIL (NTS)

Abut Wattle Ends Tight, No Gaps. Wood Stake to Penetrate Netting Only.



SEDIMENT WATTLE OVERLAP (NTS)



NEW SHOULDER BUILDUP ** PROTECTION SECTION (NTS)

** Note:
Applicable only in the areas of concentrated flow - to include but not be limited to roadway sag spots and drop-off repair locations as per the direction of the Engineer.

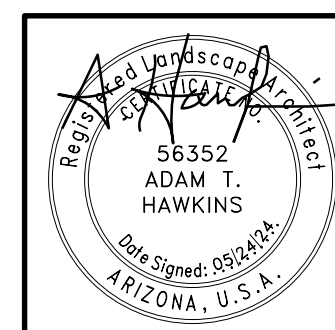
NOTES:

1. Install Sediment Wattles as slopes are constructed to grade or as directed by the Engineer. Select, install and maintain in conformance with manufacturers' specifications to meet site conditions for slope protection and in accordance with good engineering practices. No Sediment Wattles shall be installed in urban freeway medians, nor where cable barrier systems are employed.
2. Sediment Wattles shall be in continuous contact with trench bottom and sides. Do not overlap wattle ends on top of each other. A 20" Dia. wattle may be made from 2-3 rolled excelsior or straw blankets.
3. Butt adjoining wattles tightly against each other. Drive the first end stake of the second wattle at an angle toward the first wattle to help abut them tightly.
4. Repair any rills or gullies promptly. Make field adjustments and corrections of Wattle CM/BMP immediately if it is causing flooding, erosion, and/or affecting roadway safety.
5. Construction of cut slopes 2:1 and steeper in soil and rock materials that can be ripped shall be constructed, whenever possible, by Minibenching. Refer to Slope Minibenching CM/BMP Detail.
6. Loosening surface soil is not required where Minibenches are used. For seeded areas, tillage shall be performed to form minor ridges and furrows parallel to new slope contours and as specified in Section 805 of the Specifications and project special provisions.
7. Divert and direct run-on water from outside of the slopes to the spillways and/or rock riprap/rock mulch. Diversion dikes and/or ditches are necessary on natural undisturbed slopes beyond the top limits of new slopes to divert run-on water.
8. Installation and maintenance of Sediment Wattle CMs/BMPs shall not negatively impact traffic safety, nor the designed function of roadway or bridge drainage facilities.
9. Install and maintain Sediment Wattle CMs/BMPs to carry the stormwater of at least 2-year, 24-hour events.
10. The Sediment Wattle CM/BMP's pay/bid item shall include all materials used for this CM/BMP: all ground preparation, furnishing, installing, maintenance, final removal, and disposal of this temporary CM/BMP, as well as returning the area to an acceptable condition as approved by the Engineer.
11. Refer to Specification Section 810-2.06(C) for Sediment Wattle material specifications.
12. Make field adjustments and corrections to ensure NO sensitive biological resources (native species / habitats) will be adversely impacted.

SW
E1

DETAIL E1
SEDIMENT WATTLE

NTS



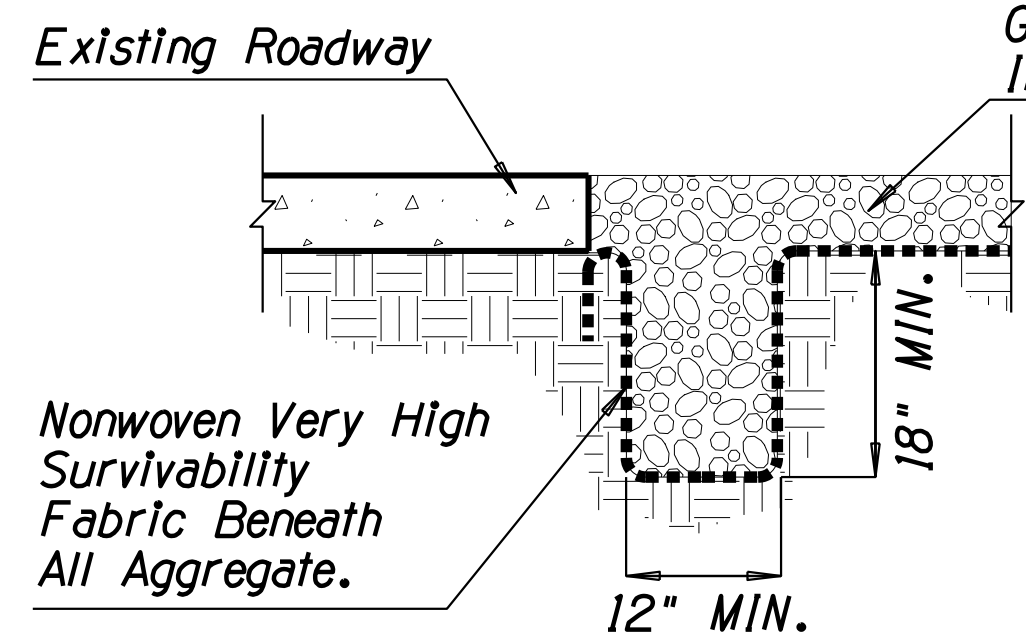
DESIGN E. NICHOLS 05/24
DRAWN E. NICHOLS 05/24
CHECKED A. HAWKINS 05/24

Design
4649 E. COTTON GIN LOOP #2 PHOENIX, AZ 85040-602-438-2221

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
ROADSIDE DEVELOPMENT SECTION

EROSION CONTROL DETAIL SHEET
DETAIL E1

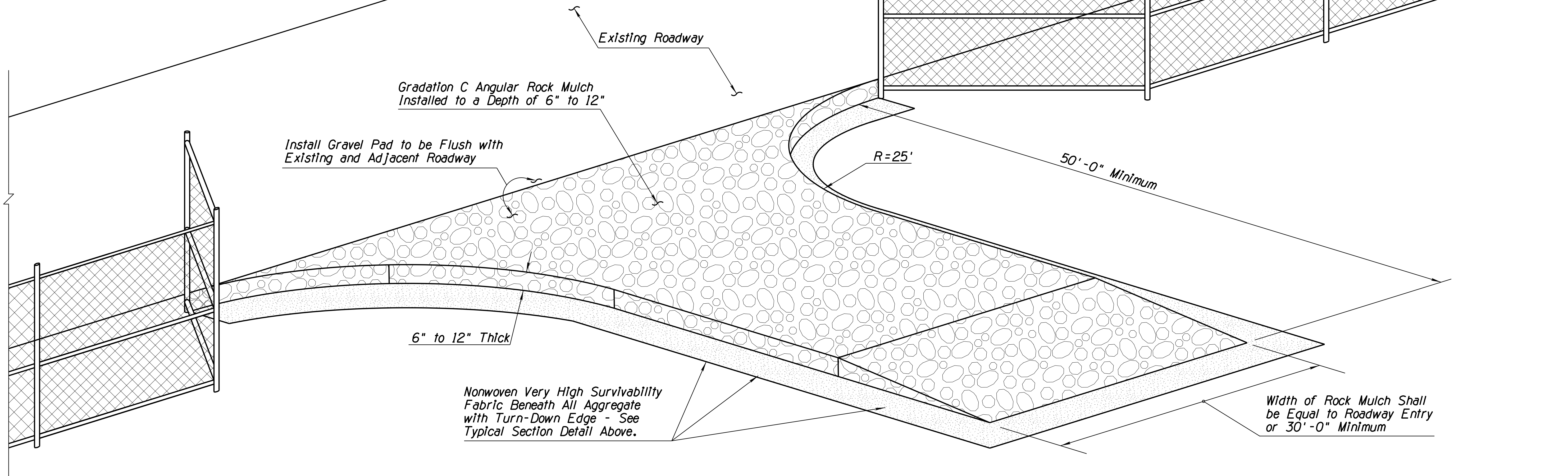
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MILEPOST	LOCATION 75TH AVE TO SKUNK CREEK		TRACS NO. T0321 01C		DWG NO. EC-2.01		
STRUCTURE NO.	ADOT		OF				



EDGE TREATMENT TRENCHING
TYPICAL SECTION (NTS)

NOTES 11:

1. Install nonwoven fabric when water is applied for construction vehicle/equipment cleaning on Gravel Pad.
2. Edge treatment trenching and nonwoven fabric shall not be required if NO wash water is used for vehicle/equipment cleaning.
3. The depth of Gravel Pad varies from 6" to 12" based on the necessities of construction vehicle/equipment as per the approval of the Engineer.

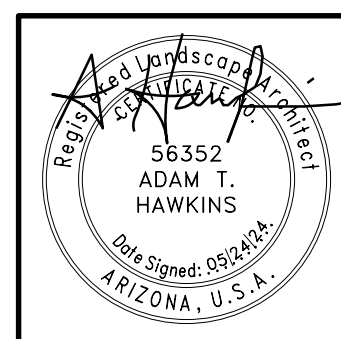


BIRD'S EYE VIEW (NTS)

NOTES 1:

1. Install Stabilized Construction Entrance/Exit Gravel Pad CM/BMP for traffic entering or exiting a construction site where sedimentation, clay, silt or other pollutants can be tracked onto public roads and/or adjacent water bodies, as approved by the Engineer. It may also be applied for construction entrance/exit wind erosion/dust control, as approved by the Engineer.
2. Locate new Construction Entrance(s)/Exit(s) at appropriate project entrance/exit points as determined in field with the approval of the Engineer. Relocate Stabilized Construction Entrance/Exit Gravel Pad CM/BMP as needed as project progresses. Replace Rock Mulch materials in drive paths when dirt or mud accumulates.
3. Nonwoven Very High Survivability Fabric shall conform to the standards of Sub-section 1014-4.04 of the Specifications.
4. Rock Mulch materials shall be fractured/crushed rocks in angular shape and as defined in the Sub-section 810-2.03 of the Specifications. Natural river-run materials, especially rounded natural river rocks are not acceptable.
5. Make field adjustments and corrections of Construction Entrance/Exit Gravel Pad CM/BMP immediately if it is causing flooding and/or affecting roadway safety.
6. When paid separately, the Stabilized Construction Entrance/Exit Gravel Pad CM/BMP's pay/bid item shall include all materials used for this CM/BMP; all ground preparation, furnishing, installing, final removal, and disposal of this temporary CM/BMP, as well as returning the area to an acceptable condition as approved by the Engineer.
7. * Fence/barricade pay/bid item shall not be included as a component of the Stabilized Construction Entrance/Exit Gravel Pad CM/BMP pay/bid item.
8. Make field adjustments and corrections to ensure NO sensitive biological resources (native species / habitats) will be adversely impacted.

CE
E2 **DETAIL E2** NTS
STABILIZED CONSTRUCTION
ENTRANCE /EXIT GRAVEL PAD



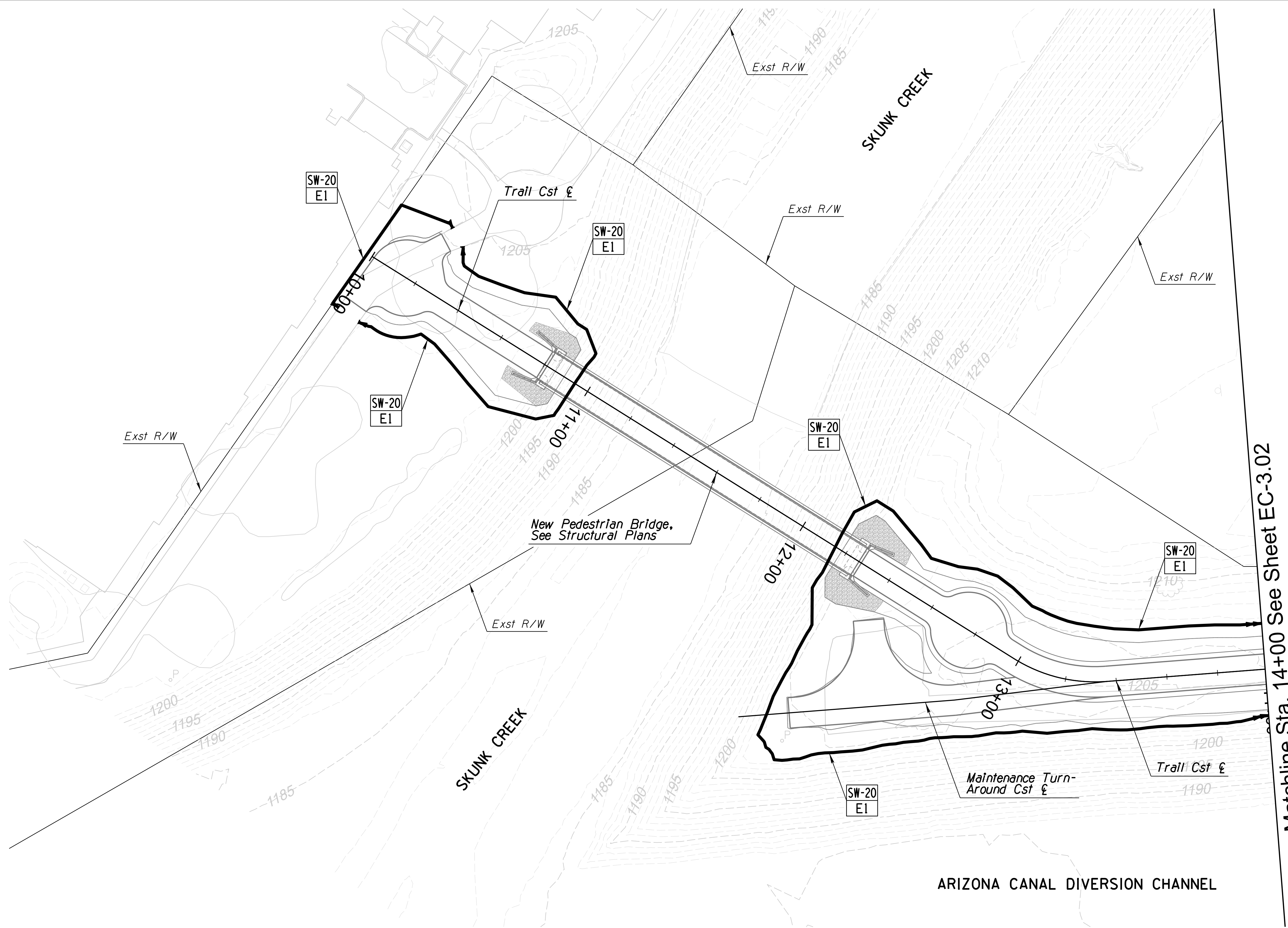
DESIGN E. NICHOLS 05/24
DRAWN E. NICHOLS 05/24
CHECKED A. HAWKINS 05/24

Design
4649 E. COTTON GIN LOOP 82 PHOENIX, AZ 85040 602.438.2221

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
ROADSIDE DEVELOPMENT SECTION

EROSION CONTROL DETAIL SHEET
DETAIL E2

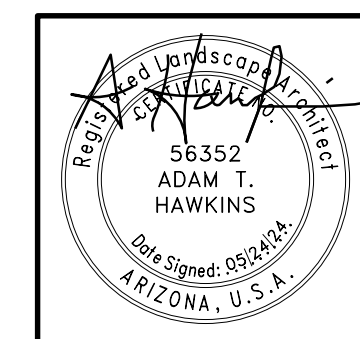
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MILEPOST	LOCATION 75TH AVE TO SKUNK CREEK		DWG NO. EC-2.02		OF		
STRUCTURE NO.	TRACS NO. T0321 01C		ADOT				



Erosion Control Method

- CE SW-20 = Sediment Wattles- 20"
- E2 CE = Construction Entrance

Detail Number Reference

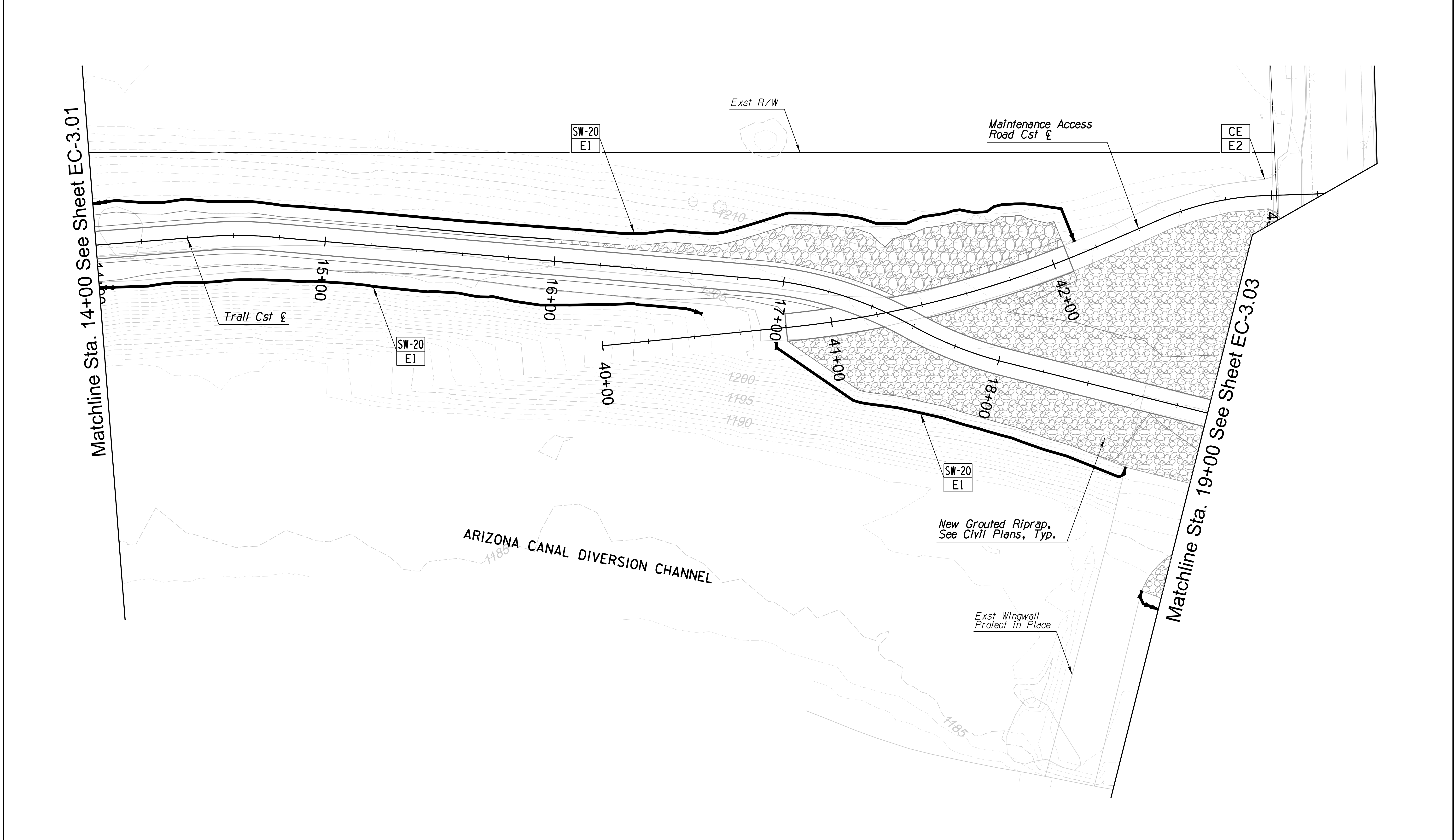


	NAME	DATE
DESIGN	E. NICHOLS	05/24
DRAWN	E. NICHOLS	05/24
CHECKED	A. HAWKINS	05/24

ARIZONA DEPARTMENT OF TRANSPORTATION
 INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
ROADSIDE DEVELOPMENT SECTION
 EROSION CONTROL PLAN SHEET

ROUTE N/A	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. 0000 MA PEO	FEDERAL ID NO. PEO-0(229)T	SHEET NO. 32	TOTAL SHEETS 51	RECORD DRAWING
MILEPOST	LOCATION 75TH AVE TO SKUNK CREEK		TRACS NO. T0321 01C		DWG NO. EC-3.01		
STRUCTURE NO.			ADOT		OF		

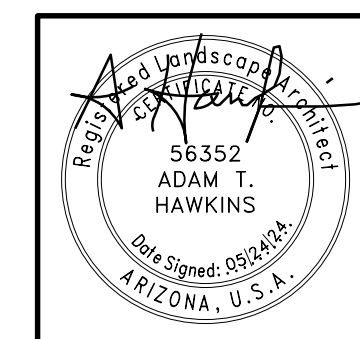
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Erosion Control Method

CE SW-20 = Sediment Wattles- 20"
 E2 CE = Construction Entrance

Detail Number Reference



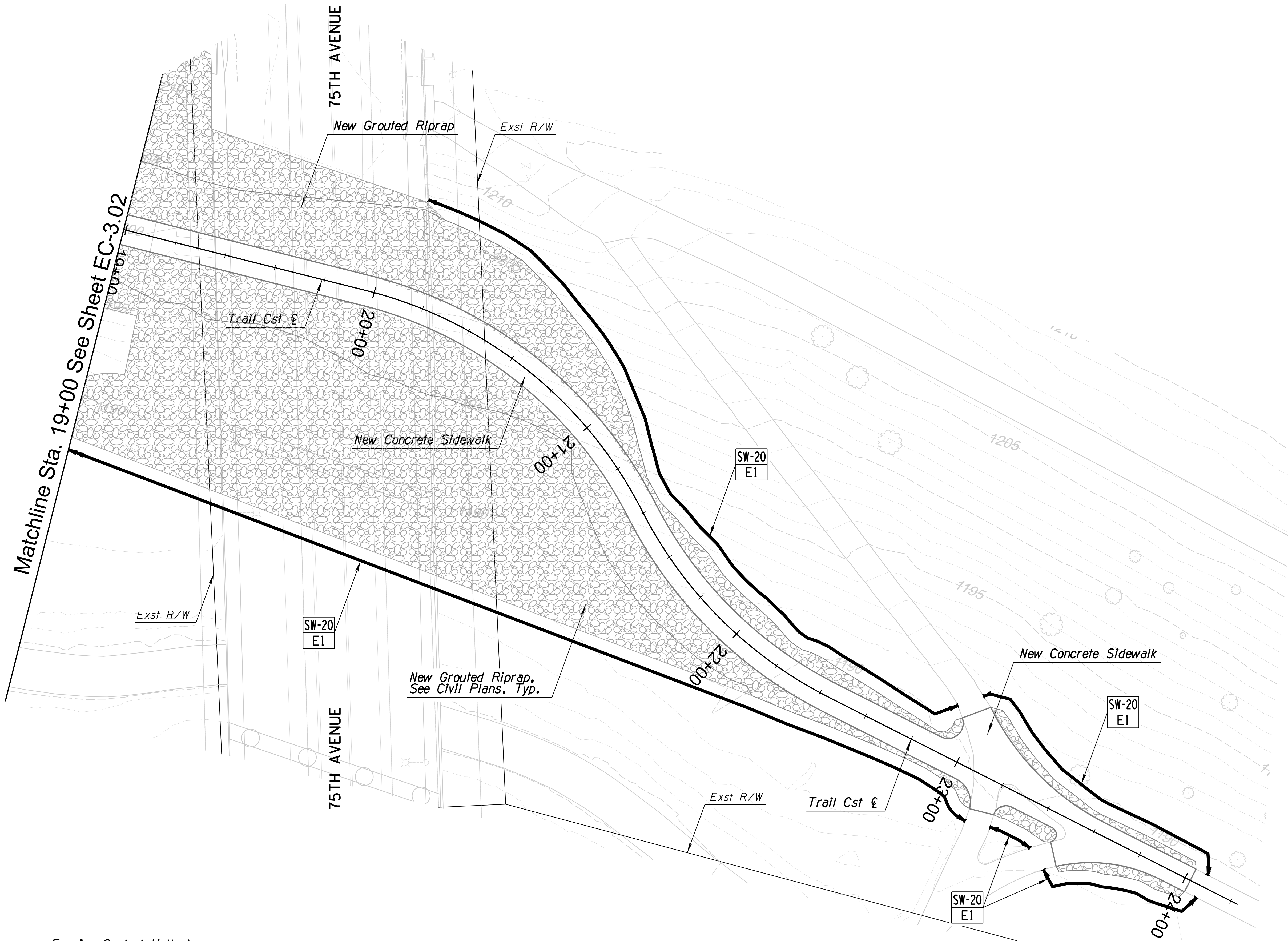
	NAME	DATE
DESIGN	E. NICHOLS	05/24
DRAWN	E. NICHOLS	05/24
CHECKED	A. HAWKINS	05/24

Design
 4649 E COTTON GIN LOOP B2 PHOENIX, AZ 85040 602.438.2221

ARIZONA DEPARTMENT OF TRANSPORTATION
 INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
ROADSIDE DEVELOPMENT SECTION

EROSION CONTROL PLAN SHEET

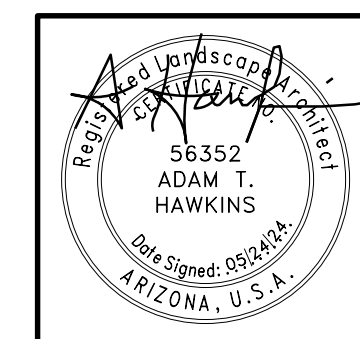
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MILEPOST	LOCATION 75TH AVE TO SKUNK CREEK		DWG NO. EC-3.02		OF		
STRUCTURE NO.	TRACS NO. T0321 01C	ADOT					



Erosion Control Method

CE SW-20 = Sediment Wattles- 20"
 E2 CE = Construction Entrance

Detail Number Reference



	NAME	DATE
DESIGN	E. NICHOLS	05/24
DRAWN	E. NICHOLS	05/24
CHECKED	A. HAWKINS	05/24

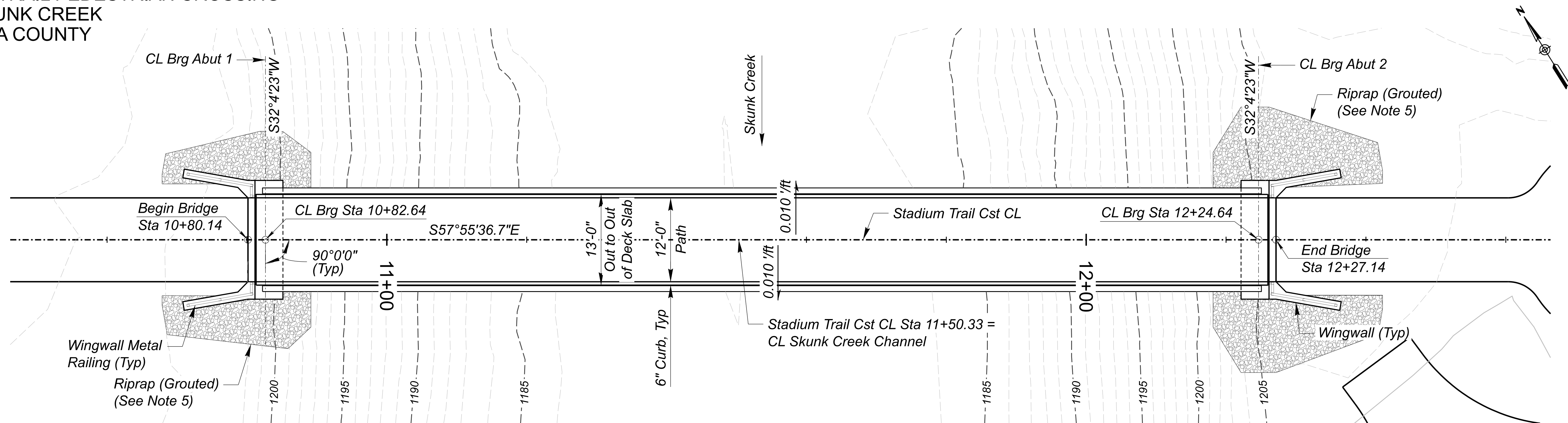
Design
 4649 E COTTON GIN LOOP #2 PHOENIX, AZ 85040 602.438.2221

ARIZONA DEPARTMENT OF TRANSPORTATION
 INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
ROADSIDE DEVELOPMENT SECTION

EROSION CONTROL PLAN SHEET

ROUTE N/A	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. 0000 MA PEO	FEDERAL ID NO. PEO-0(229)T	SHEET NO. 34	TOTAL SHEETS 51	RECORD DRAWING
MILEPOST	LOCATION 75TH AVE TO SKUNK CREEK		DWG NO. EC-3.03		OF		
STRUCTURE NO.	TRACS NO. T0321 01C	ADOT					

**STADIUM TRAIL PEDESTRIAN CROSSING
OVER SKUNK CREEK
MARICOPA COUNTY**

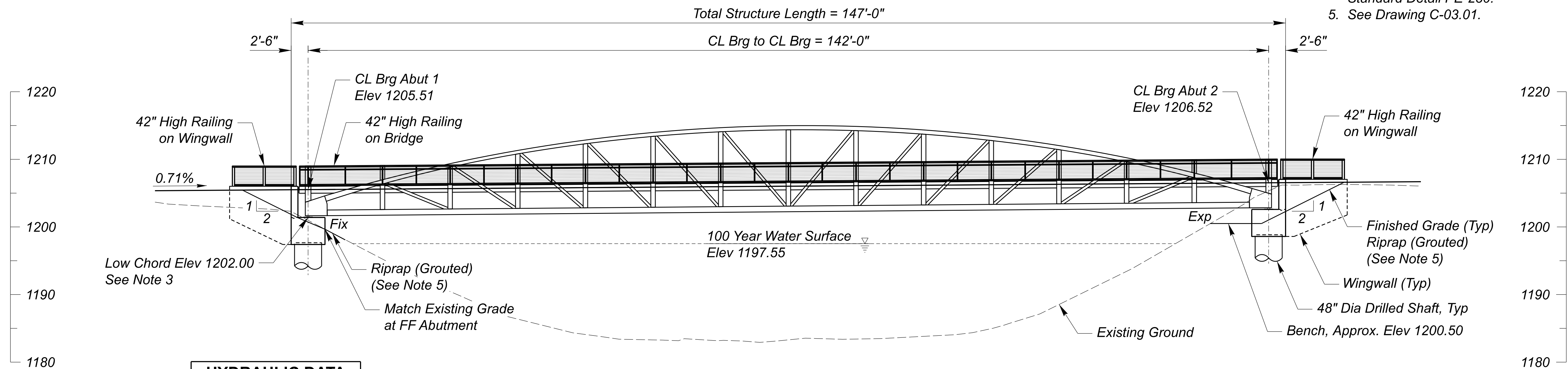


PLAN

New Single Span Prefabricated Steel Truss Bridge
Scale: 1/8" = 1'-0"

NOTES

1. For Typical Section, See Dwg No. S-01.02.
2. For Index of Drawings, See Dwg No. S-01.03.
3. Low Chord Elevation to be Verified by Prefabricated Truss Manufacturer. Minimum Low Chord Elev = 1199.52
4. Provide Bridge ID Marker per City of Peoria Standard Detail PE-280.
5. See Drawing C-03.01.



ELEVATION

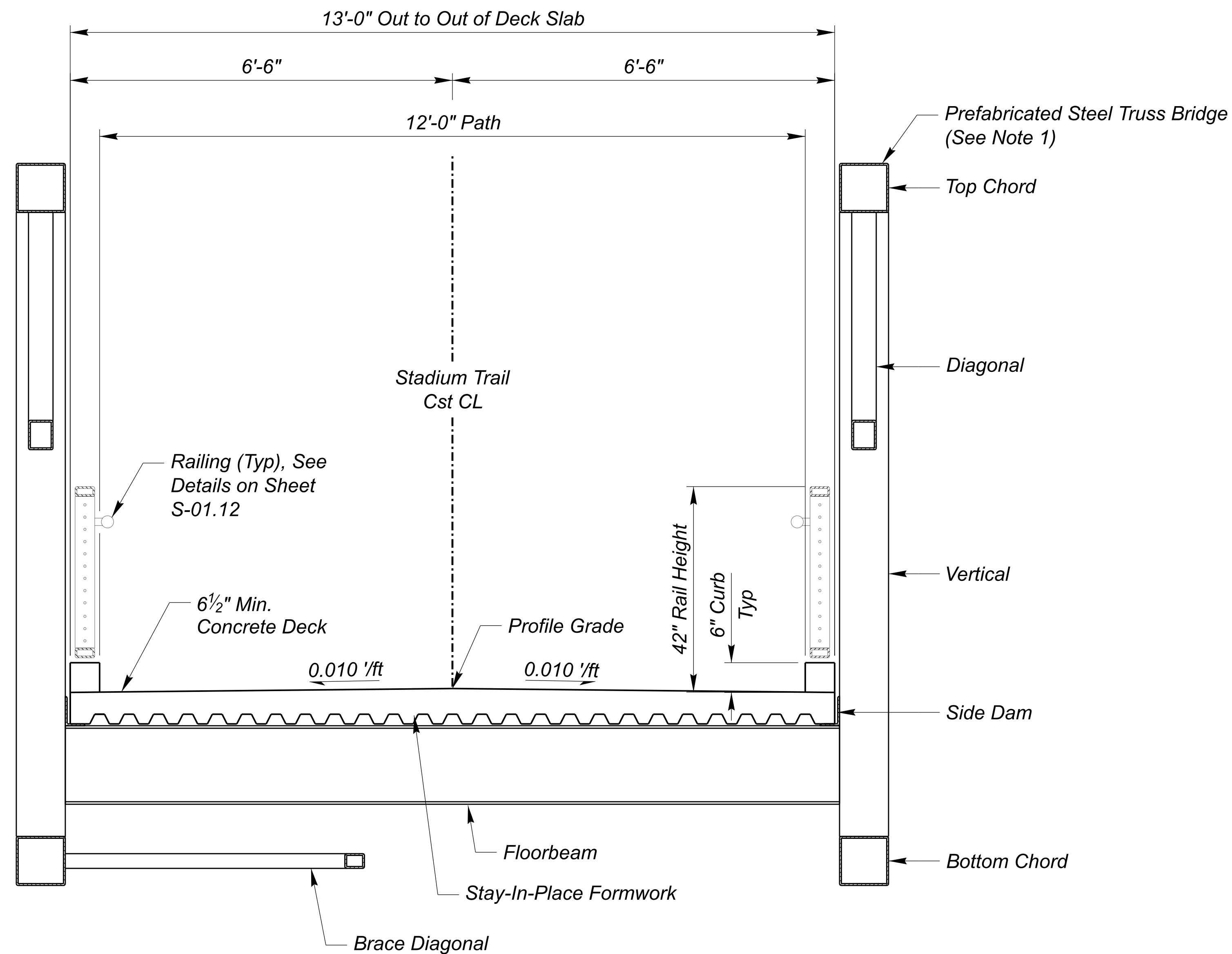
Scale: 1/8" = 1'-0"

HYDRAULIC DATA		
	Q (cfs)	WSEL (ft)
100-yr	11000	1197.55

	<table border="1"> <tr> <th>DESIGN</th> <td>GTK</td> <td>DATE</td> <td>5/24</td> </tr> <tr> <th>DRAWN</th> <td>JKP</td> <td>DATE</td> <td>5/24</td> </tr> <tr> <th>CHECKED</th> <td>AG</td> <td>DATE</td> <td>5/24</td> </tr> </table>	DESIGN	GTK	DATE	5/24	DRAWN	JKP	DATE	5/24	CHECKED	AG	DATE	5/24	<p>ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION BRIDGE GROUP</p>	<table border="1"> <tr> <td>ROUTE</td> <td>N/A</td> <td>STATE</td> <td>ARIZ.</td> </tr> <tr> <td>MILEPOST</td> <td>N/A</td> <td>PROJECT NO.</td> <td>000 MA PEO</td> </tr> <tr> <td>STRUCTURE NO.</td> <td>Pending</td> <td>FEDERAL AID NO.</td> <td>PEO-0(229)T</td> </tr> </table>	ROUTE	N/A	STATE	ARIZ.	MILEPOST	N/A	PROJECT NO.	000 MA PEO	STRUCTURE NO.	Pending	FEDERAL AID NO.	PEO-0(229)T	<table border="1"> <tr> <td>LOCATION</td> <td colspan="2">75TH AVE TO SKUNK CREEK</td> </tr> <tr> <td>TRACS NO.</td> <td>T0321 01C</td> <td></td> </tr> </table>	LOCATION	75TH AVE TO SKUNK CREEK		TRACS NO.	T0321 01C		<table border="1"> <tr> <td>SHEET NO.</td> <td>35</td> <td>TOTAL SHEETS</td> <td>51</td> </tr> <tr> <td>DWG NO.</td> <td colspan="3">S-01.01</td> </tr> <tr> <td colspan="4" style="text-align: center;">ADOT</td> </tr> </table>	SHEET NO.	35	TOTAL SHEETS	51	DWG NO.	S-01.01			ADOT				<table border="1"> <tr> <td>RECORD DRAWING</td> <td></td> </tr> <tr> <td>OF</td> <td></td> </tr> </table>	RECORD DRAWING		OF	
	DESIGN	GTK	DATE	5/24																																																
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		GENERAL PLAN & ELEVATION		DWG NO. S-01.01																																																
1501 W. FOUNTAINHEAD PKWY, SUITE 401 TEMPE, AZ 85282, PH: 480.966.8188 WWW.JACOBS.COM																																																				

NOTES

1. See Special Provisions for Item 9240050 for Design and Construction Requirements for the Prefabricated Steel Truss Bridge.
2. See General Notes on Dwg No. S-01.03.



TYPICAL SECTION

Scale: 3/4" = 1'-0"

	DESIGN	GTK	5/24	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION BRIDGE GROUP	ROUTE	N/A	F.H.W.A. Arizona Division STATE: ARIZ.	PROJECT NO.	000 MA PEO	FEDERAL AID NO.	PEO-0(229)T	SHEET NO.	36	TOTAL SHEETS	51	RECORD DRAWING
	DRAWN	JKP	5/24		MILEPOST	N/A		LOCATION	75TH AVE TO SKUNK CREEK				DWG NO.	S-01.02		
	CHECKED	AG	5/24		STRUCTURE NO.	Pending		TRACS NO.	T0321 01C			OF _____				



GENERAL NOTES

Construction Specifications - Arizona Department of Transportation Standard Specifications for Road and Bridge Construction, 2021 (Standard Specifications).

Design Specifications - AASHTO LRFD Bridge Design Specifications, 9th Edition, 2020 (AASHTO); AASHTO LRFD Guide Specifications for the Design of Pedestrian Bridges, (2009).

Design Loadings:

Dead Load includes an allowance of 15 psf for metal stay-in-place forms.

Pedestrian Live Load = 90 psf

Vehicle Live Load = H10

Bridge Site is classified as Seismic Zone 1 (Site Class C) with Peak Ground Acceleration (PGA) = 0.053g and Spectral Acceleration Coefficients: at Period 0.2 sec (S_{DS}) = 0.194g and at Period 1.0 sec (S_{D1}) = 0.096g.

Concrete:

All concrete shall be Class "S" unless noted otherwise.

Concrete Strengths:

Superstructure..... f_c = 4.5 ksi
 Abutment & Wingwalls..... f_c = 3.5 ksi
 Drilled Shafts..... f_c = 3.5 ksi

Reinforcing Steel:

Reinforcing steel shall conform to ASTM Specification A615. All reinforcing steel shall be furnished as Grade 60.

All bends and hooks shall meet the requirements of AASHTO Article 5.10.2. All bend dimensions for reinforcing steel shall be out-to-out of bars. All placement dimensions for reinforcing steel shall be to center of bars unless noted otherwise.

All reinforcing steel shall have 2 inches clear cover unless noted otherwise.

All mechanical splices shall conform to the requirements for mechanical connections in Section 605-3.02 of the Standard Specifications.

Structural Steel:

Steel Shapes and Plates: ASTM A709/A709M (Grade 50)
 HSS Sections: ASTM A500, Grade C
 Anchor Bolts: ASTM F1554 (Grade 105, Galvanized)
 High Strength Bolts: ASTM F3125, Grade A325

The contractor is responsible for the stability of the structure during construction.

Finishes:

Chamfer all exposed concrete corners 3/4" unless noted otherwise.

Rustication:

Rustication of exposed vertical concrete surfaces of the abutments and wingwalls shall be "Even Vertical Rustication" in accordance with the details on Dwg No. S-01.09. Rustication is incidental to Class "S" Concrete bid items.

Paint:

In accordance with the Specification for Bid Item 9240050.

Miscellaneous:

Curbs shall be constructed after the dead load deflection associated with the construction of the deck slab has taken place. Curbs shall not be slip formed.

Provisions shall be made to prevent debris from falling into the channel during construction.

APPROXIMATE QUANTITIES (See Note 1)						
ITEM	STR EXCAVATION	STR BACKFILL	CLASS "S" CONCRETE		REINFORCING STEEL	48" DIA DRILLED SHAFT
	CY	CY	$f_c=3500$ PSI	$f_c=4500$ PSI	LBS	LF
Abutment 1	67	25	22	--	3200	70.5
Abutment 2	120	25	22	--	3200	70.5
Superstructure	--	--	--	48	5950	--
Total	187	50	44	48	12350	141
As-Built Total						

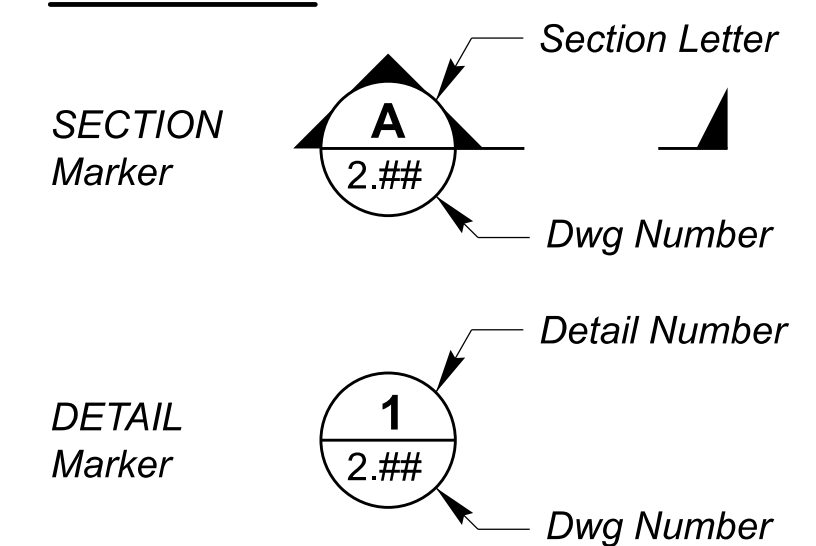
INDEX OF DRAWINGS

- S-01.01 GENERAL PLAN AND ELEVATION
- S-01.02 TYPICAL SECTION
- S-01.03 GENERAL NOTES, QUANTITIES, AND INDEX
- S-01.04 FOUNDATION LAYOUT
- S-01.05 ABUTMENT DRILLED SHAFT DETAILS
- S-01.06 ABUTMENT 1 PLAN AND ELEVATION
- S-01.07 ABUTMENT 2 PLAN AND ELEVATION
- S-01.08 ABUTMENT DETAILS 1
- S-01.09 ABUTMENT DETAILS 2
- S-01.10 DECK SLAB PLAN AND DETAILS
- S-01.11 DECK ELEVATIONS
- S-01.12 RAILING DETAILS
- SF-01.01 FOUNDATION DATA SHEET 1
- SF-01.02 FOUNDATION DATA SHEET 2
- SF-01.03 FOUNDATION DATA SHEET 3
- SF-01.04 FOUNDATION DATA SHEET 4
- SF-01.05 FOUNDATION DATA SHEET 5

ABBREVIATIONS

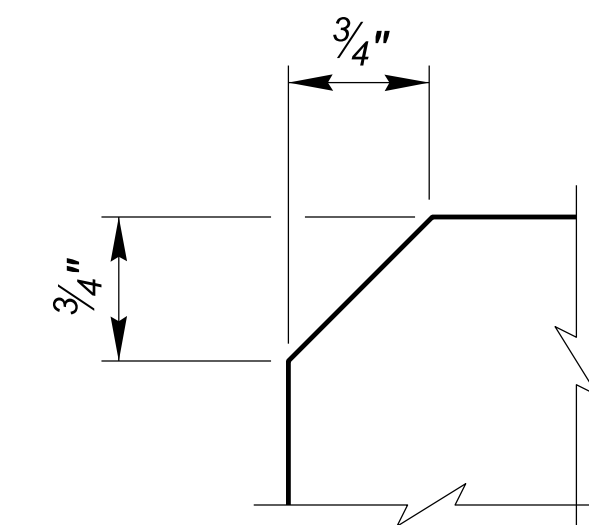
EF = Each Face
 FF = Front Face
 RF = Rear Face

LEGEND



ELASTOMERIC BEARING PAD DESIGN CRITERIA

Design Method A
 Low Temperature Zone A
 Elastomer Grade 0
 Durometer Hardness = 55
 Shear Modulus = 130 psi
 Elastomeric Bearing Pads shall be steel laminated neoprene pads



CHAMFER DETAIL

Not To Scale

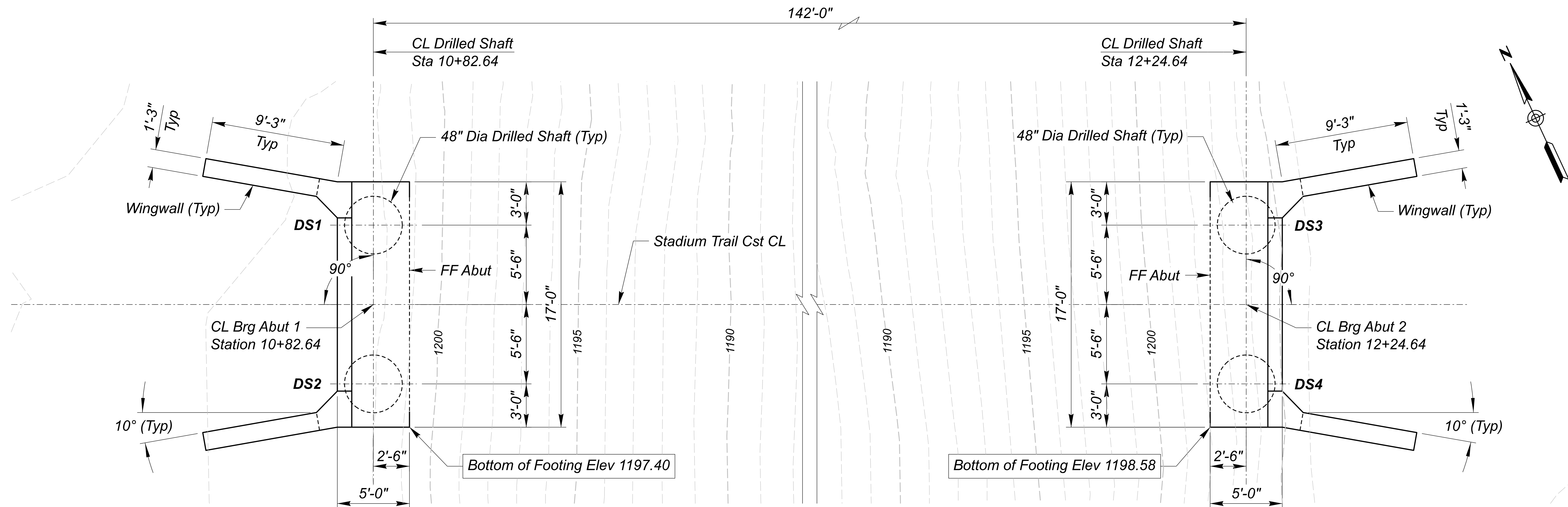
ADOT STANDARD DRAWING LIST

Bridge Group Structural Detail Drawings
 SD 3.01
 SD 5.01
 SD 5.02

NOTES

1. Approximate quantities are provided for information only. Contractor to verify all quantities based on the prefabricated steel truss bridge manufacturer's design. See Special Provision for Item 9240050.

	DESIGN	GTK	5/24	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION BRIDGE GROUP	ROUTE	N/A	F.H.W.A. Arizona Division ARIZ.	PROJECT NO.	000 MA PEO	FEDERAL AID NO.	PEO-0(229)T	SHEET NO.	37	TOTAL SHEETS	51	RECORD DRAWING
	DRAWN	JKP	5/24		MILEPOST	N/A		LOCATION	75TH AVE TO SKUNK CREEK							
	CHECKED	AG	5/24		STRUCTURE NO.	Pending		TRACS NO.	T0321 01C				DWG NO.	S-01.03	OF	



FOUNDATION LAYOUT

1' Contour Interval
Scale: 1/4" = 1'-0"

NOTES

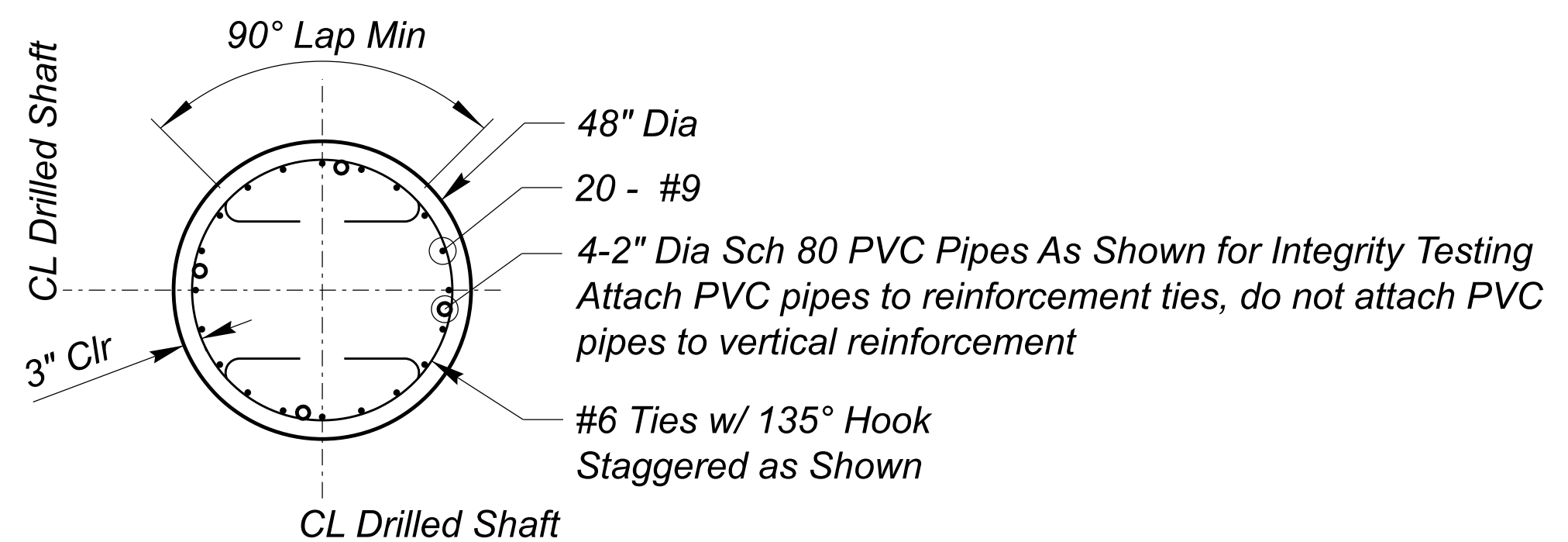
1. Stationing is measured along Stadium Trail Construction Centerline.
2. For geotechnical information, refer to the Foundation Report by Ethos Engineering, LLC, dated February 10, 2023.
3. See Abutment Drilled Shaft Details drawing S-01.05 for foundation data.
4. Contractor shall submit for approval a Drilling and Invasive Program Plan (DIPP) in accordance with USACE Engineer Regulation 1110-1-1807 a minimum of 30 days prior to drilling operations.
5. Excavation for a drilled shaft is not permitted until 48 hours after the concrete for an adjacent drilled shaft has been placed. An adjacent shaft is defined as any shaft within four shaft diameters measured center to center.

6. The contractor shall select one 48" diameter confirmation shaft in accordance with section 609 of the ADOT Standard Specifications and as approved by the Engineer. The confirmation shaft shall be indicated in the contractor's DIPP.
7. Temporary support of drilled shaft steel casing shall be the contractor's responsibility and is incidental to the drilled shaft pay item.
8. For information not shown, see Dwg Nos. S-01.05 thru S-01.07.

LEGEND

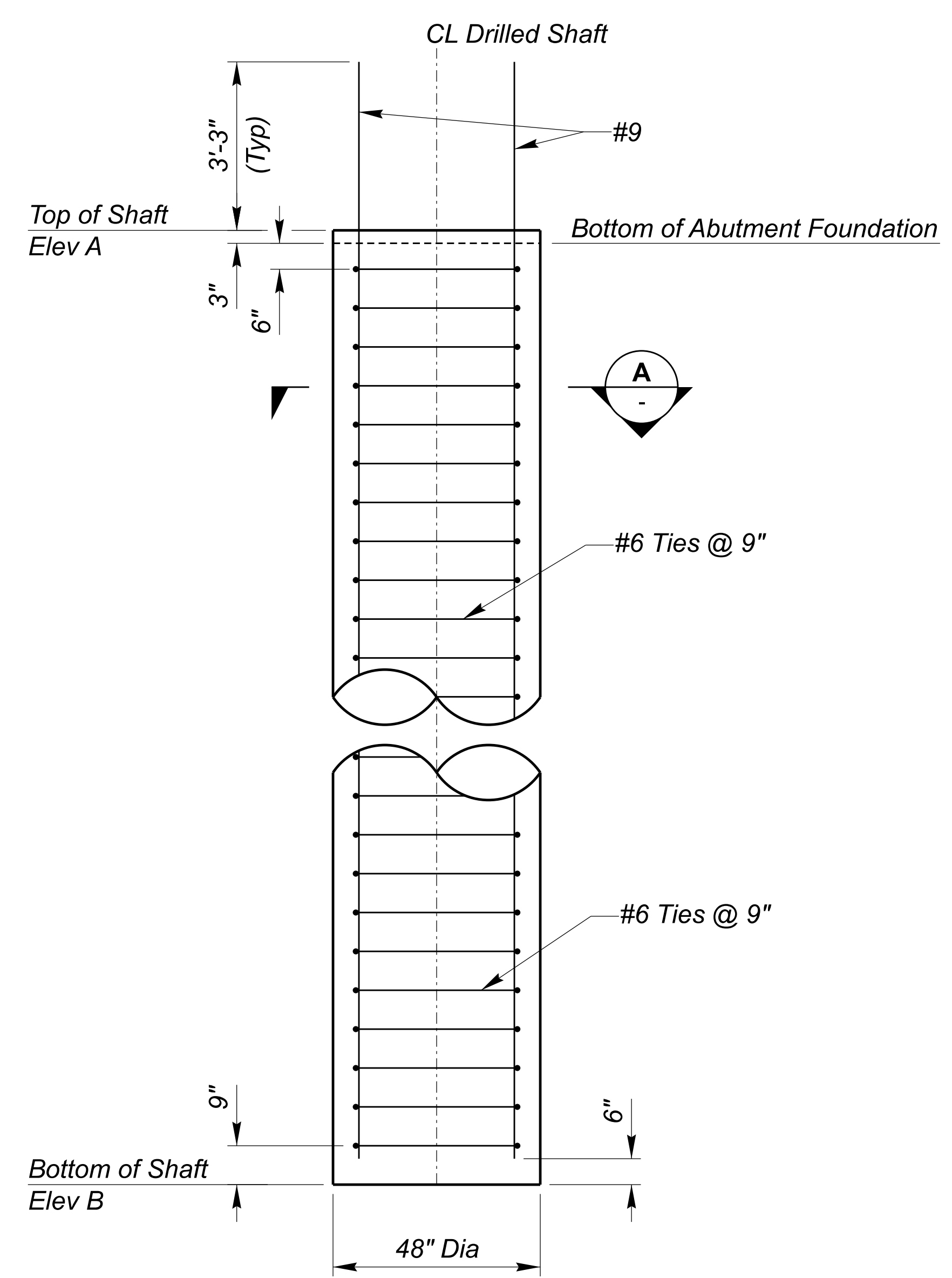
DS# Indicates Drilled Shaft Number

	DESIGN	GTK	DATE	5/24	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION BRIDGE GROUP	ROUTE	N/A	F.H.W.A. Arizona Division STATE ARIZ.	PROJECT NO.	000 MA PEO	FEDERAL AID NO.	PEO-0(229)T	SHEET NO.	38	TOTAL SHEETS	51	RECORD DRAWING
	DRAWN	JKP	DATE	5/24		MILEPOST	N/A		LOCATION	75TH AVE TO SKUNK CREEK				DWG NO.	S-01.04		
	CHECKED	AG	DATE	5/24		STRUCTURE NO.	Pending		TRACS NO.	T0321 01C			OF				



SECTION **A**

Scale: 1/2" = 1'-0"



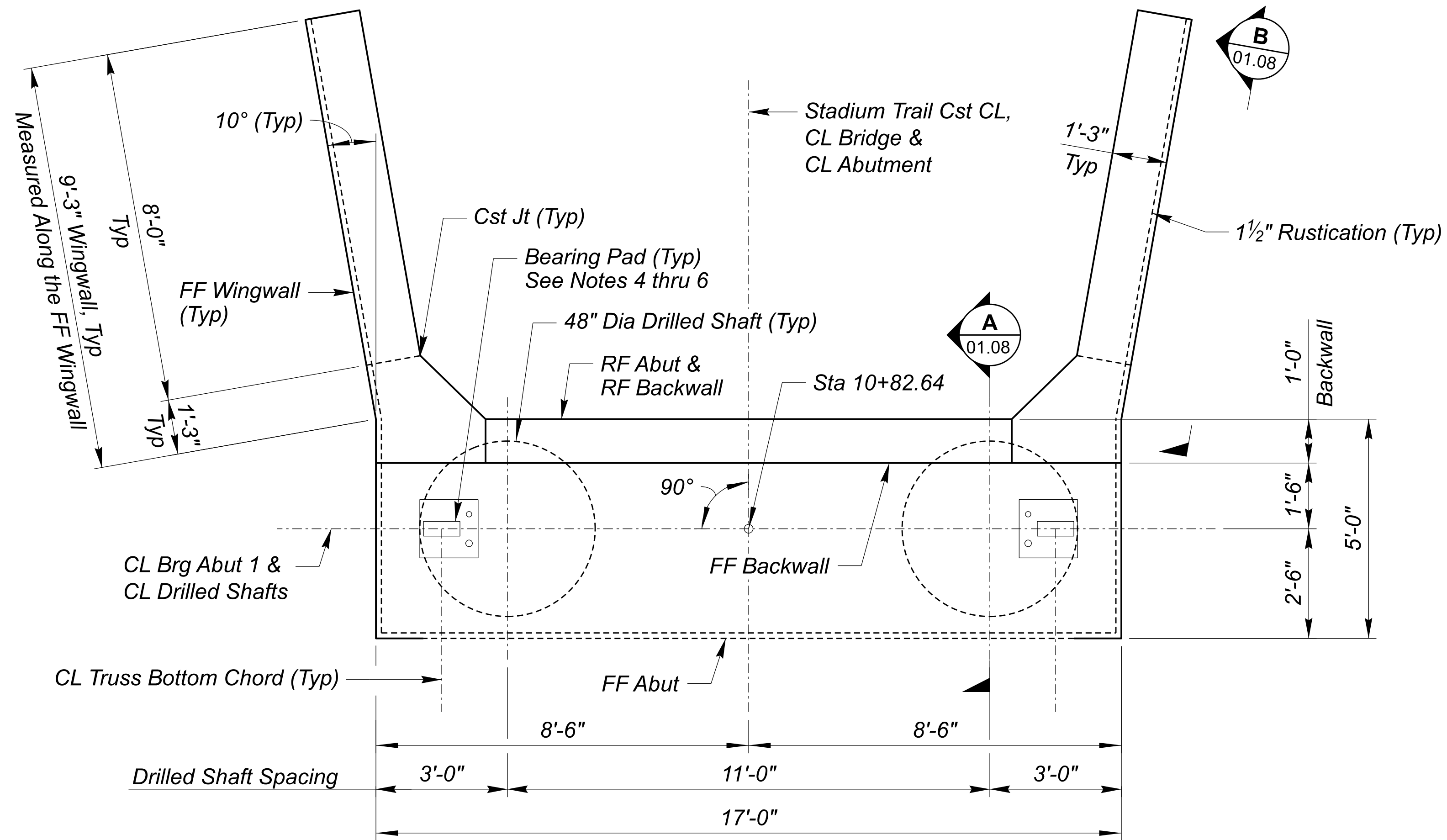
DRILLED SHAFT ELEVATION (AT ABUTMENTS)

Scale: 1/2" = 1'-0"

DRILLED SHAFT DATA						
LOCATION	(1) DRILLED SHAFT NUMBER	ELEV A	ELEV B	(2) TOTAL UNFACTORED LOAD (kips)	(3) TOTAL UNFACTORED LOAD (kips)	(4) ALLOWABLE CAPACITY (kips)
ABUT 1	DS1-DS2	1197.65	1162.40	169	173	975
ABUT 2	DS3-DS4	1198.83	1163.58	169	173	975

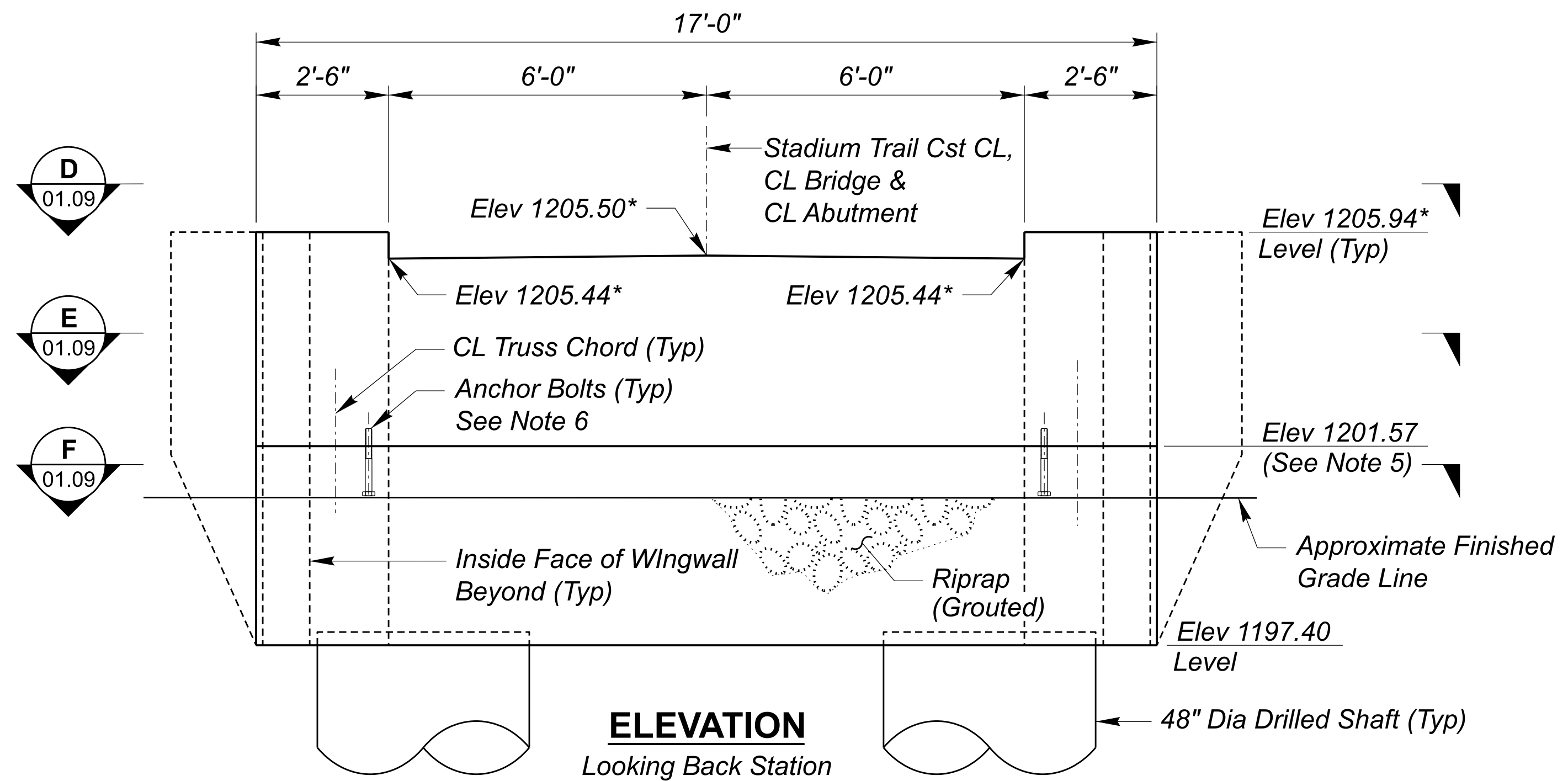
- (1) Refer to Foundation Layout for Drilled Shaft Number locations.
- (2) At top of Drilled Shaft before redundancy or group efficiency effects.
- (3) At top of Drilled Shaft after redundancy or group efficiency effects are applied.
- (4) Service 1, 0.25" settlement.

	DESIGN	GTG	5/24	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION BRIDGE GROUP	ROUTE	N/A	F.H.W.A. Arizona Division STATE: ARIZ.	PROJECT NO.	000 MA PEO	FEDERAL AID NO.	PEO-0(229)T	SHEET NO.	39	TOTAL SHEETS	51	RECORD DRAWING
	DRAWN	JKP	5/24		MILEPOST	N/A		LOCATION	75TH AVE TO SKUNK CREEK				DWG NO.	S-01.05		
	CHECKED	AG	5/24		STRUCTURE NO.	Pending		TRACS NO.	T0321 01C	ADOT		OF				



PLAN

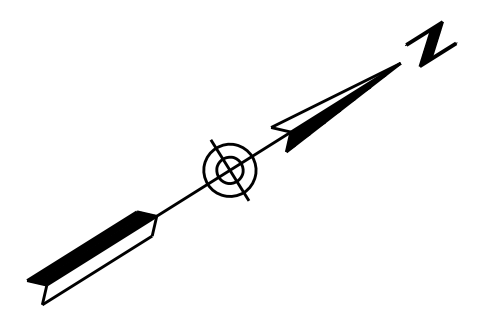
Scale: 1/2" = 1'-0"



ELEVATION

Looking Back Station

Scale: 1/2" = 1'-0"



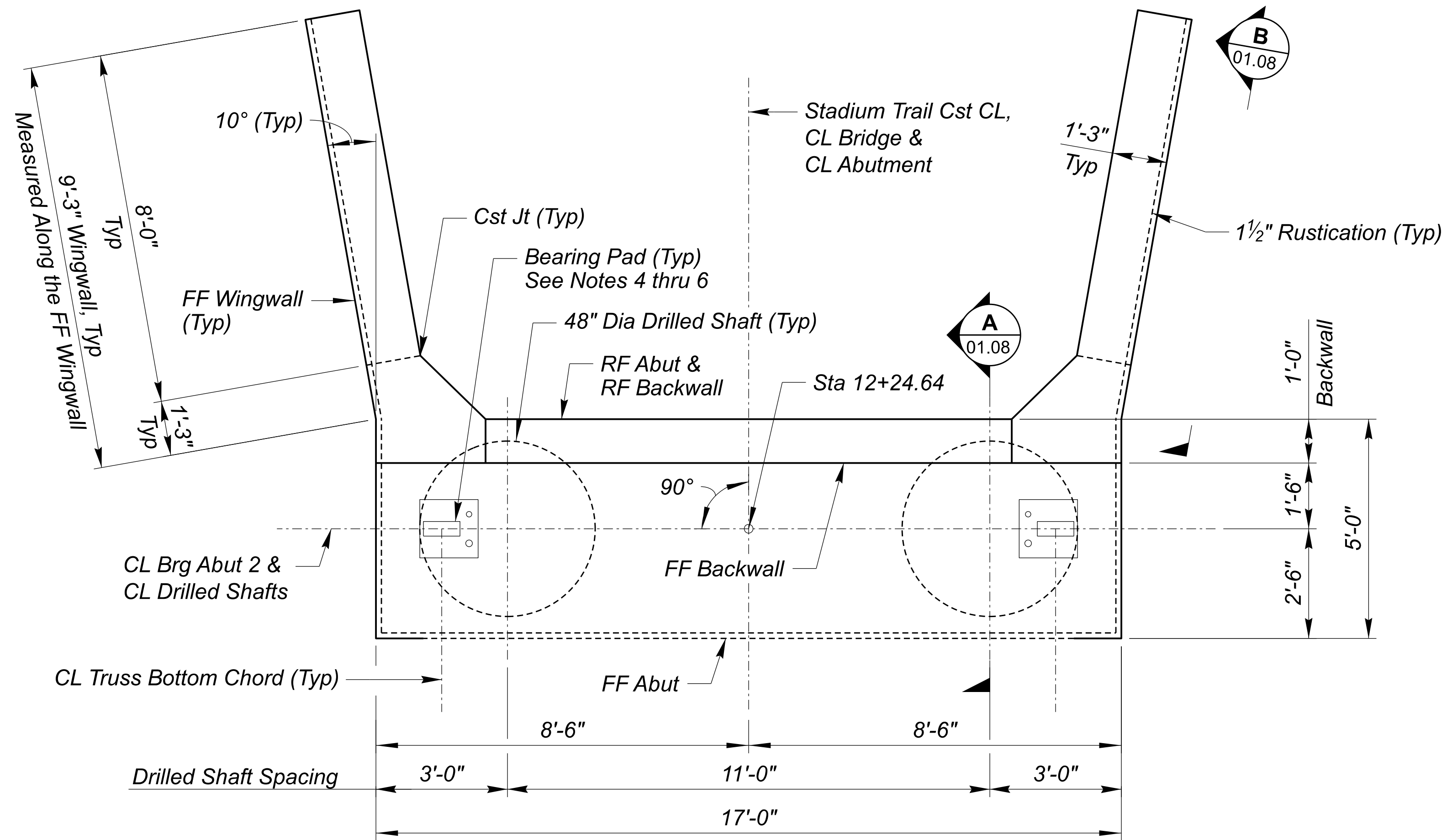
NOTES

1. All dimensions are measured along, or normal to, the CL Brgs unless noted otherwise.
2. For foundation and drilled shaft information not shown, see Dwg S-01.04 and S-01.05.
3. Prefabricated steel truss fabricator to confirm all dimensions and elevations prior to fabrication.
4. Bearing pad/Bearing Assembly to be designed and provided by the steel truss fabricator.
5. The bearing seat elevation was determined based on assumed dimensions. Adjust the beam seat elevation based on the prefabricated bridge manufacturer's design. All dimension and elevation adjustments must be approved by the engineer.
6. A minimum of two 1 3/4" diameter ASTM F1554, Grade 105 anchor bolts are required at each bearing location. Anchor bolts, nuts, and washers shall be galvanized. Anchor bolt location and configuration to be determined by the steel truss bridge fabricator and shown on the shop drawings.

* Elevation given at the rear face of backwall.

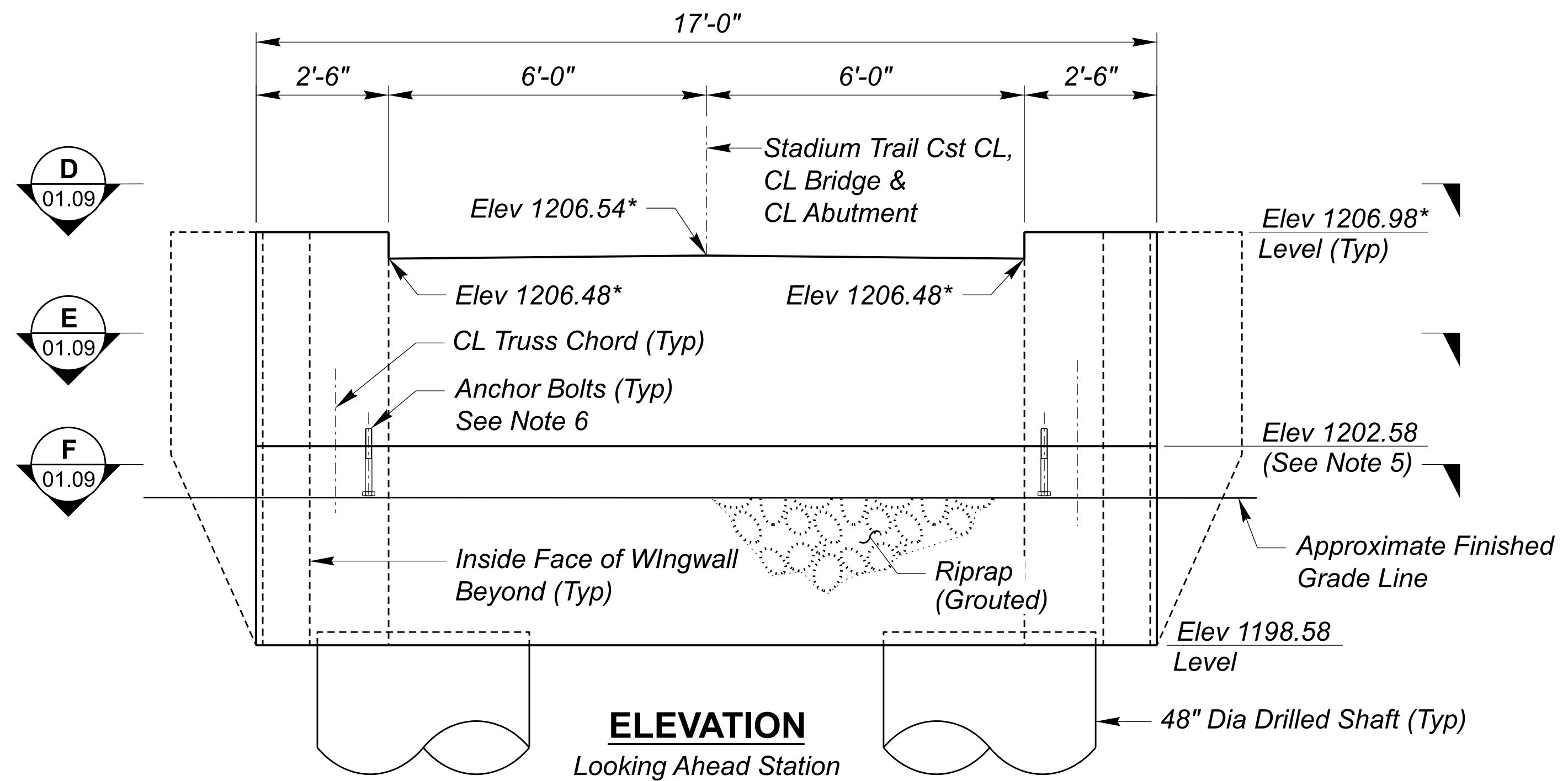
	DESIGN	GTG	5/24	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION BRIDGE GROUP	ROUTE	N/A	F.H.W.A. Arizona Division STATE: ARIZ.	PROJECT NO.	000 MA PEO	FEDERAL AID NO.	PEO-0(229)T	SHEET NO.	40	TOTAL SHEETS	51	RECORD DRAWING
	DRAWN	JKP	5/24		MILEPOST	N/A		LOCATION	75TH AVE TO SKUNK CREEK				DWG NO.	S-01.06		
	CHECKED	AG	5/24		STRUCTURE NO.	Pending		TRACS NO.	T0321 01C	ADOT		OF				





PLAN

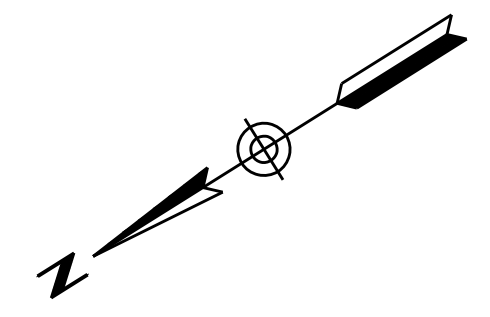
Scale: 1/2" = 1'-0"



ELEVATION

Looking Ahead Station

Scale: 1/2" = 1'-0"



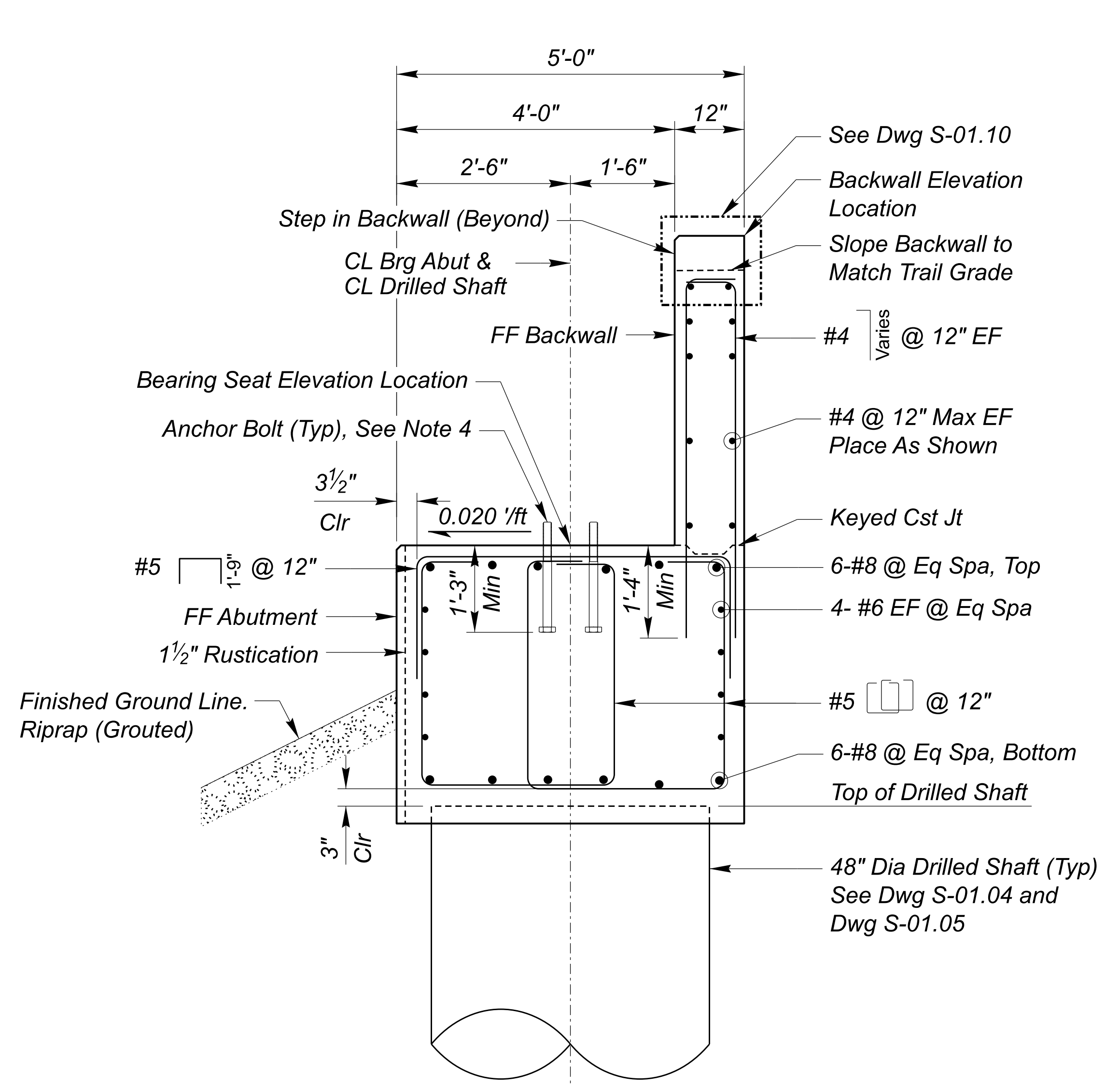
NOTES

- All dimensions are measured along, or normal to, the CL Brgs unless indicated or noted otherwise.
- For foundation and drilled shaft information not shown, see Dwg S-01.04 and S-01.05.
- Prefabricated steel truss fabricator to confirm all dimensions and elevations prior to fabrication.
- Bearing pad/Bearing Assembly to be designed and provided by the steel truss fabricator.
- The bearing seat elevation was determined based on assumed dimensions. Adjust the beam seat elevation based on the prefabricated bridge manufacturer's design. All dimension and elevation adjustments must be approved by the engineer.
- A minimum of two 1 3/4" diameter ASTM F1554, Grade 105 anchor bolts are required at each bearing location. Anchor bolts, nuts, and washers shall be galvanized. Anchor bolt location and configuration to be determined by the steel truss bridge fabricator and shown on the shop drawings.

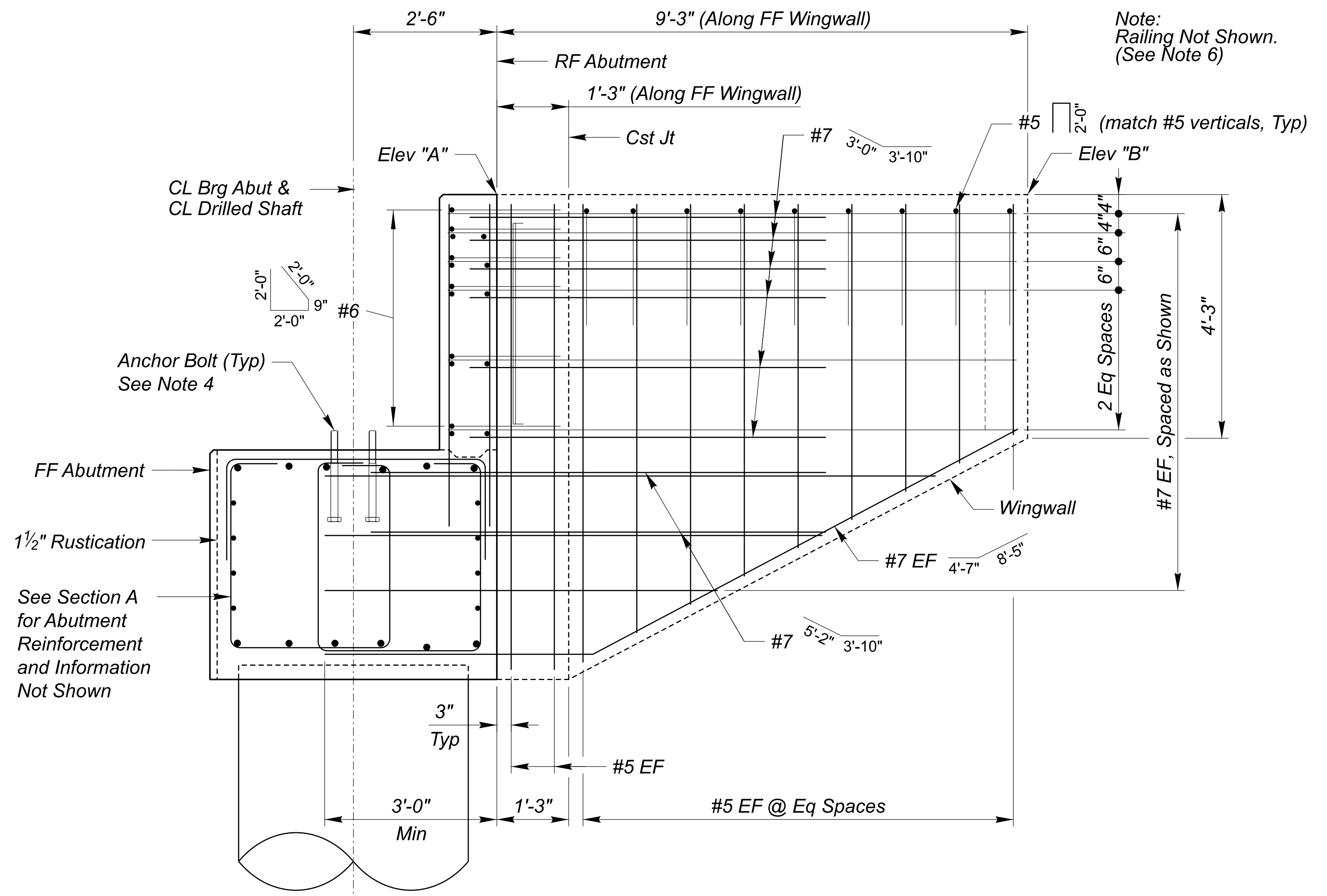
* Elevation given at the rear face of backwall.

	DESIGN	GTK	5/24	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION BRIDGE GROUP	ROUTE	N/A	F.H.W.A. Arizona Division STATE: ARIZ.	PROJECT NO.	000 MA PEO	FEDERAL AID NO.	PEO-0(229)T	SHEET NO.	41	TOTAL SHEETS	51	RECORD DRAWING
	DRAWN	JKP	5/24		MILEPOST	N/A		LOCATION	75TH AVE TO SKUNK CREEK				DWG NO.	S-01.07		
	CHECKED	AG	5/24		STRUCTURE NO.	Pending		TRACS NO.	T0321 01C	ADOT		OF				





SECTION A A
 Scale: 3/4" = 1'-0" 01.06 01.07



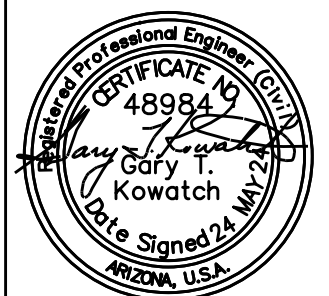
VIEW-WINGWALL ELEV B B
 Scale: 3/4" = 1'-0" 01.06 01.07

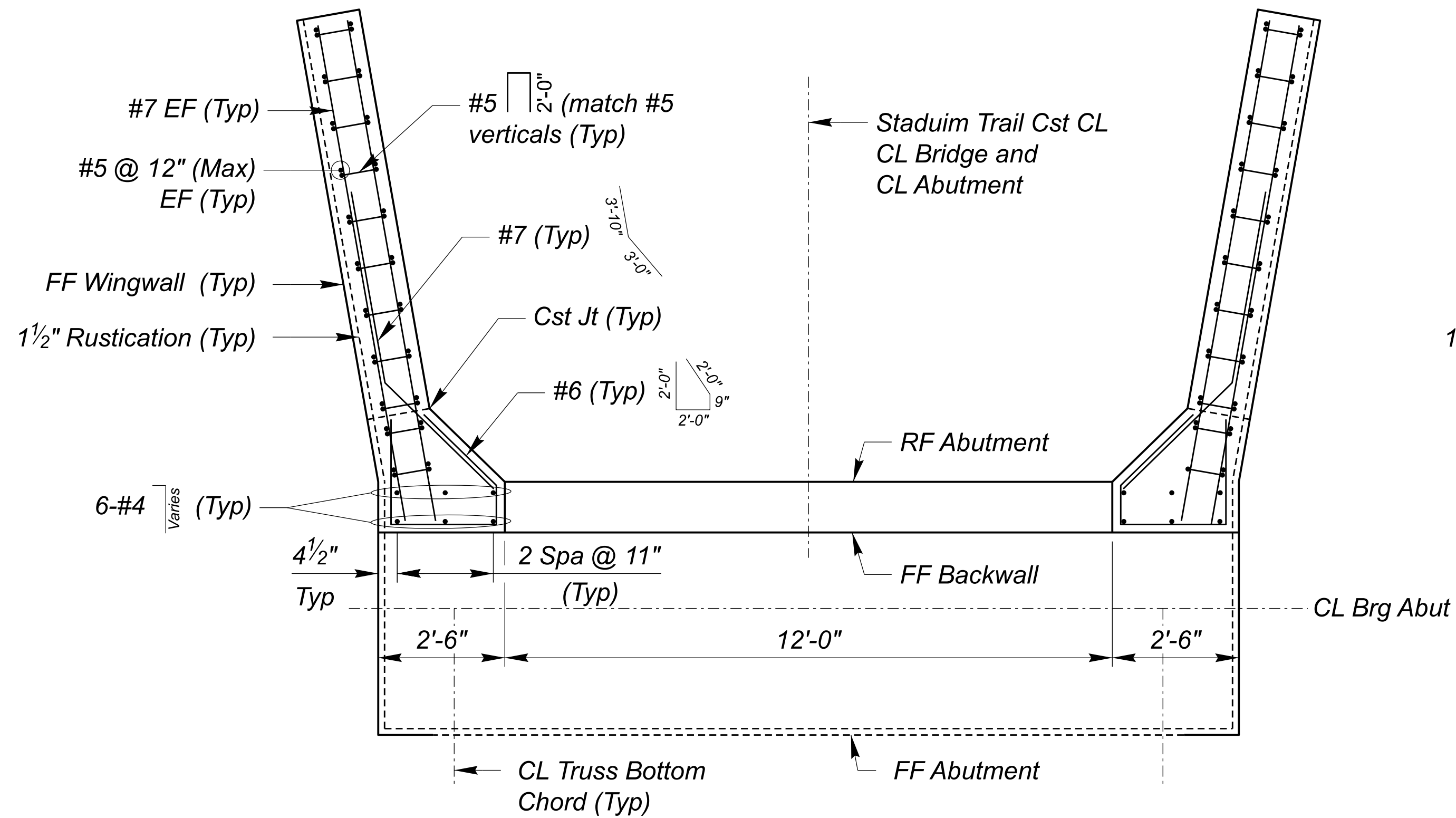
Note:
Railing Not Shown.
(See Note 6)

NOTES

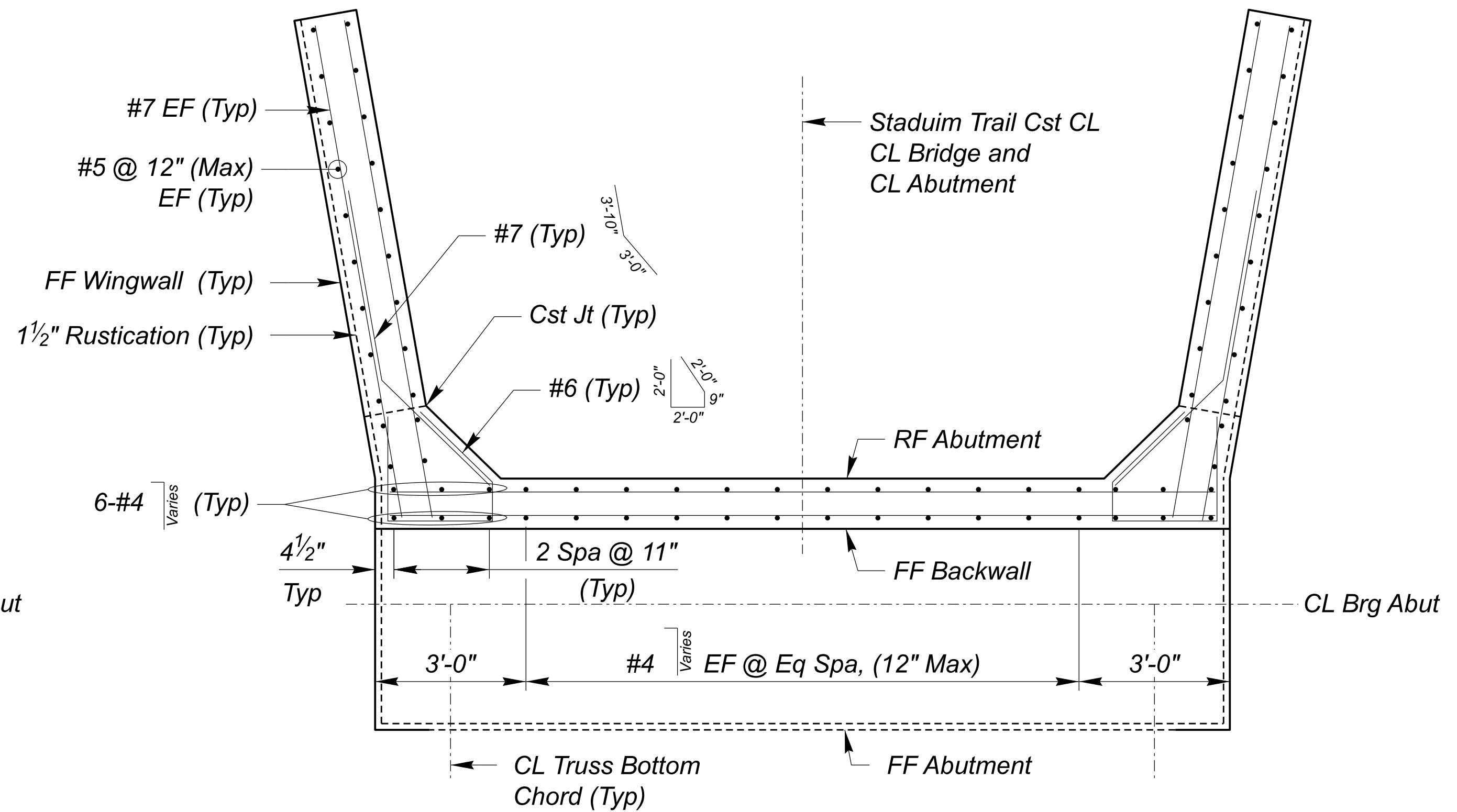
1. Minimum Lap Splice Lengths
#4 = 1'-9", #5 = 2'-2", #6 = 2'-7", #7=3'-0"
2. Do not splice reinforcement bars within the lap splice length of an adjacent bar, unless otherwise indicated.
3. See Abutment Plan and Elevation sheets for elevations, dimensions, and information not shown.
4. Final anchor bolt projection to be determined by the steel truss fabricator. The maximum unsupported length of the anchor bolts shall be 4".
5. Space reinforcement bars to provide a minimum of 1" clearance to anchor bolts.
6. Railing connection to the wingwalls shall be in accordance with FCDMC Pipe Rail Fence Detail Type 1 Anchor Bolt Connection. See Details on Dwg S-01.12.

Wingwall	Elev "A"	Elev "B"
A1-N	1205.94	1205.84
A1-S	1205.94	1205.84
A2-N	1206.98	1207.02
A2-S	1206.98	1207.02

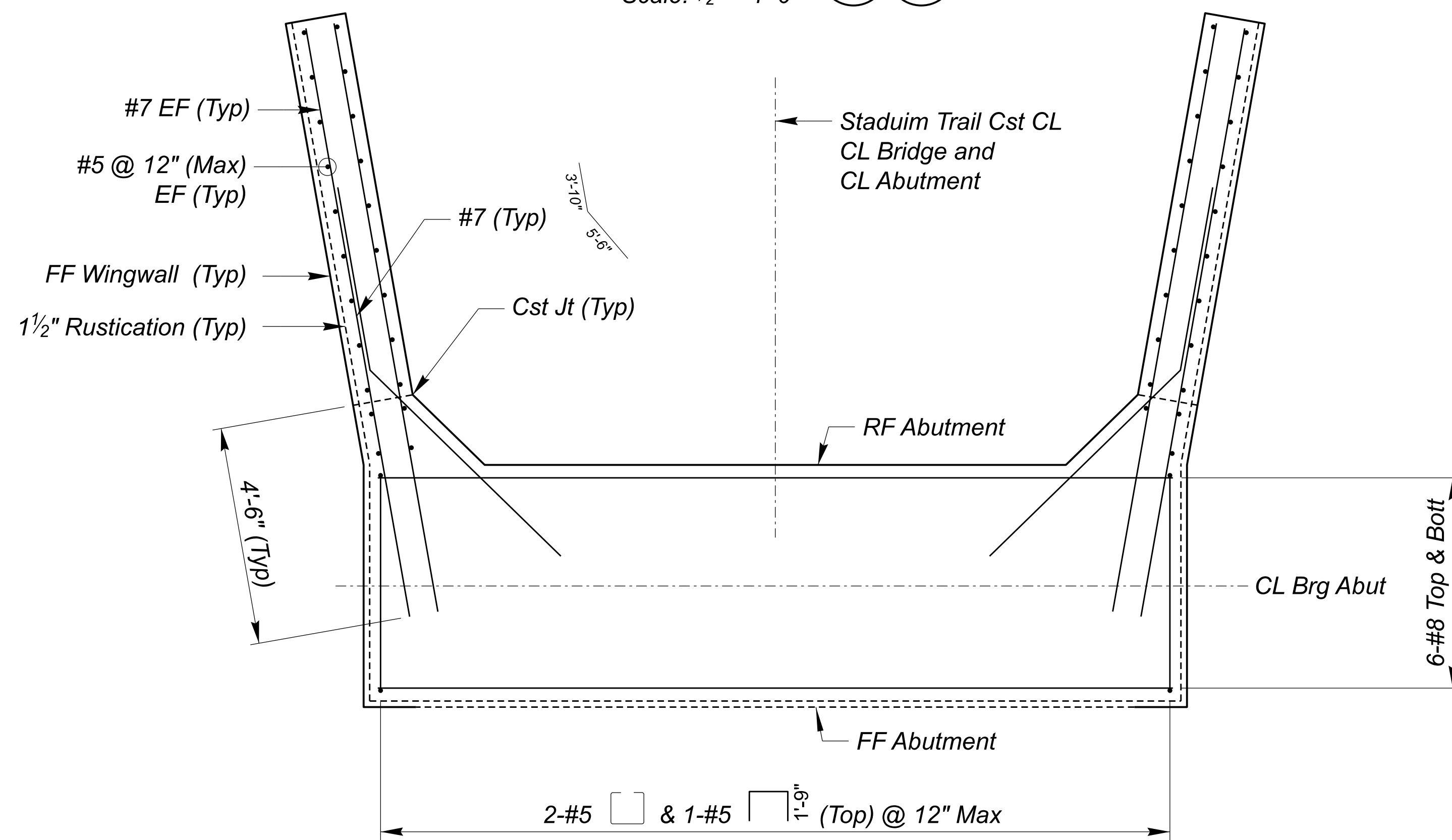
	DESIGN	GTK	DATE	5/24	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION BRIDGE GROUP	ROUTE	N/A	F.H.W.A. Arizona Division STATE ARIZ.	PROJECT NO.	000 MA PEO	FEDERAL AID NO.	PEO-0(229)T	SHEET NO.	42	TOTAL SHEETS	51	RECORD DRAWING
	DRAWN	JKP	DATE	5/24		MILEPOST	N/A		LOCATION	75TH AVE TO SKUNK CREEK							
	CHECKED	AG	DATE	5/24		STRUCTURE NO.	Pending		TRACS NO.	T0321 01C		ADOT		DWG NO. S-01.08		OF	



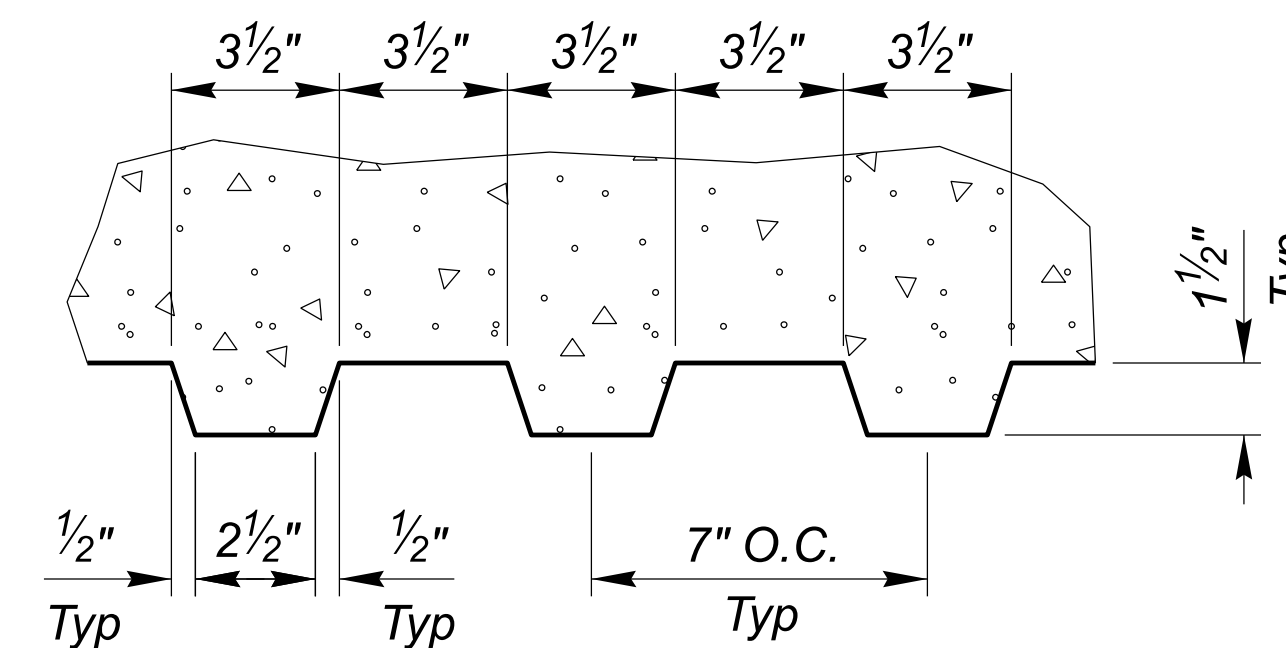
SECTION D D
Scale: 1/2" = 1'-0" (01.06) (01.07)



SECTION E E
Scale: 1/2" = 1'-0" (01.06) (01.07)



SECTION F F
Scale: 1/2" = 1'-0" (01.06) (01.07)

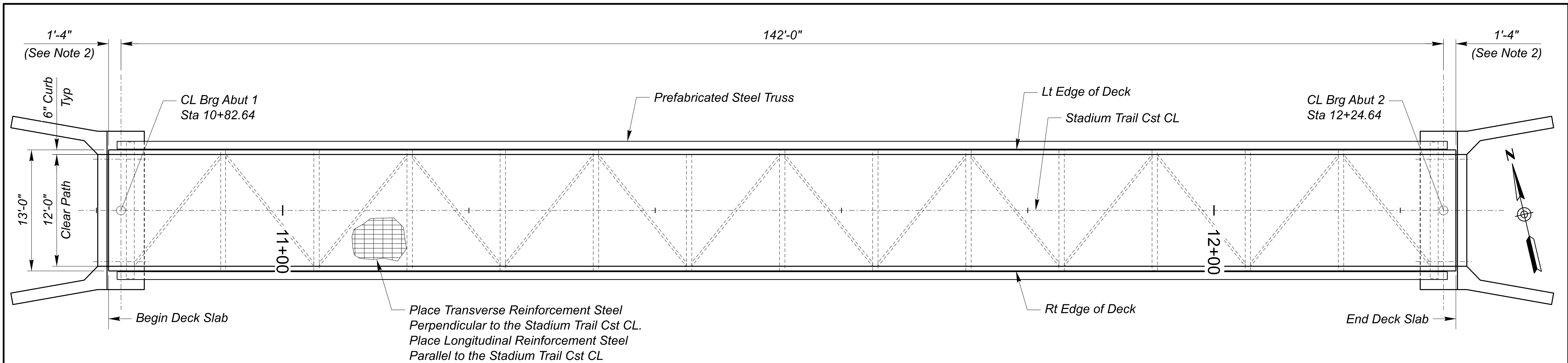


EVEN VERTICAL RUSTICATION SECTION DETAIL
Scale: 3/4" = 1'-0"

NOTES

- For Additional Information Not Shown, See DwgS S-01.06 Thru S-01.08.
- For Abutment and Wingwall Dimensions, See DwgS S-01.06 and S-01.07.

	DESIGN	GTK	DATE	5/24	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION BRIDGE GROUP	ROUTE	N/A	F.H.W.A. Arizona Division STATE: ARIZ.	PROJECT NO.	000 MA PEO	FEDERAL AID NO.	PEO-0(229)T	SHEET NO.	43	TOTAL SHEETS	51	RECORD DRAWING
	DRAWN	JKP	DATE	5/24		MILEPOST	N/A		LOCATION	75TH AVE TO SKUNK CREEK				DWG NO.	S-01.09		
	CHECKED	AG	DATE	5/24	Jacobs <small>1501 W. FOUNTAINHEAD PKWY, SUITE 401 TEMPE, AZ 85282, Ph: 480.966.8188 WWW.JACOBS.COM</small>	STRUCTURE NO.	Pending	TRACS NO.	T0321 01C			OF					

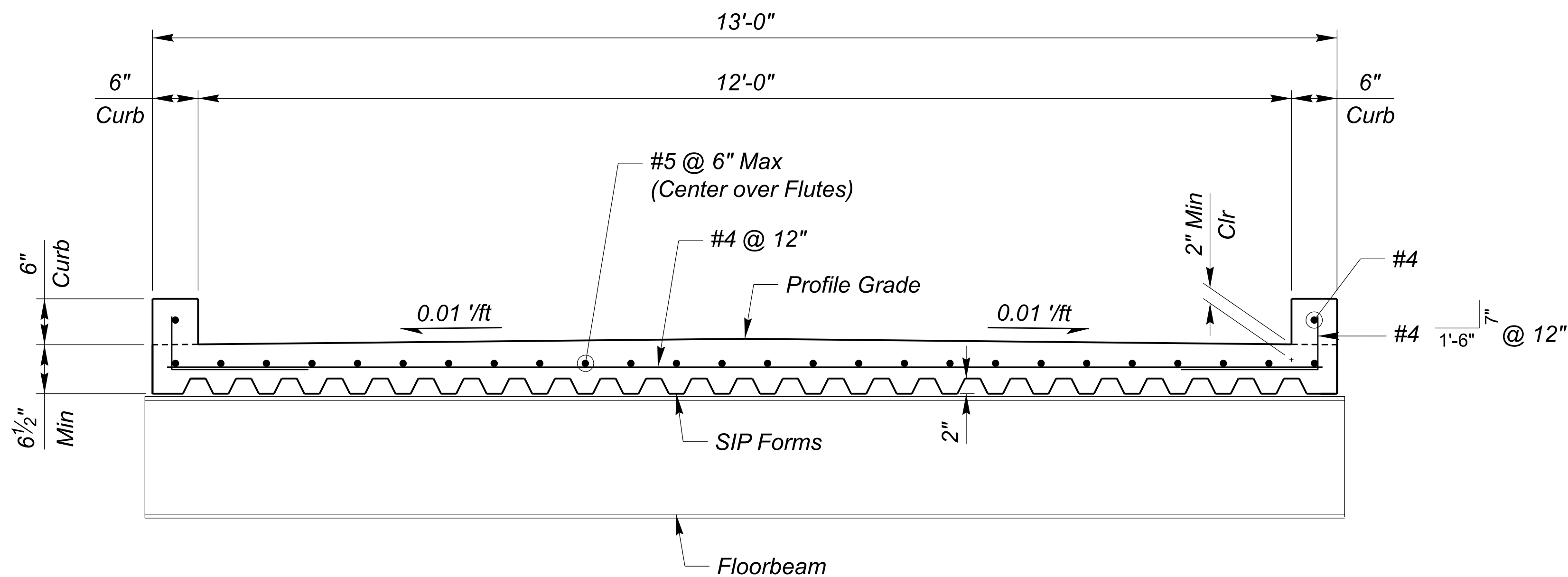


DECK PLAN

Scale: 3/16" = 1'-0"

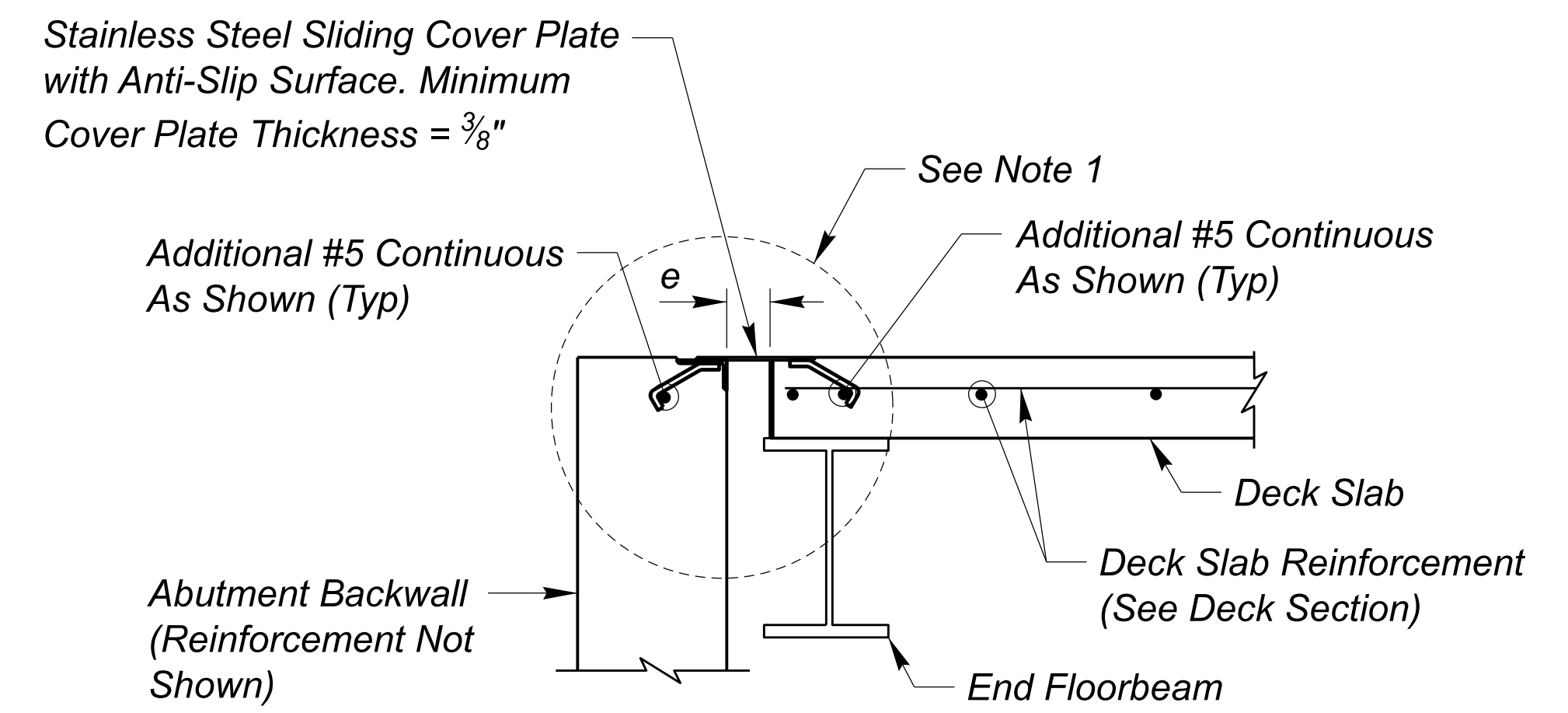
NOTES

1. Prefabricated Truss Manufacturer Shall Provide Details to Accommodate Bridge Movement Including the Opening Dimension "e" for Various Setting Temperatures, Anchorage, Etc. on the Shop Drawings.
2. Dimension Shown is for "e" = 2". See Note 1.
3. For Bridge Typical Section, See Dwg No. S-01.02.
4. Deck Slab to be Designed by the Prefabricated Truss Manufacturer. The Information Shown are Minimum Dimensions and Sizes.



DECK SECTION

Scale: 1" = 1'-0"
(Looking Ahead Station)
(See Note 4)



BEGIN/END OF DECK

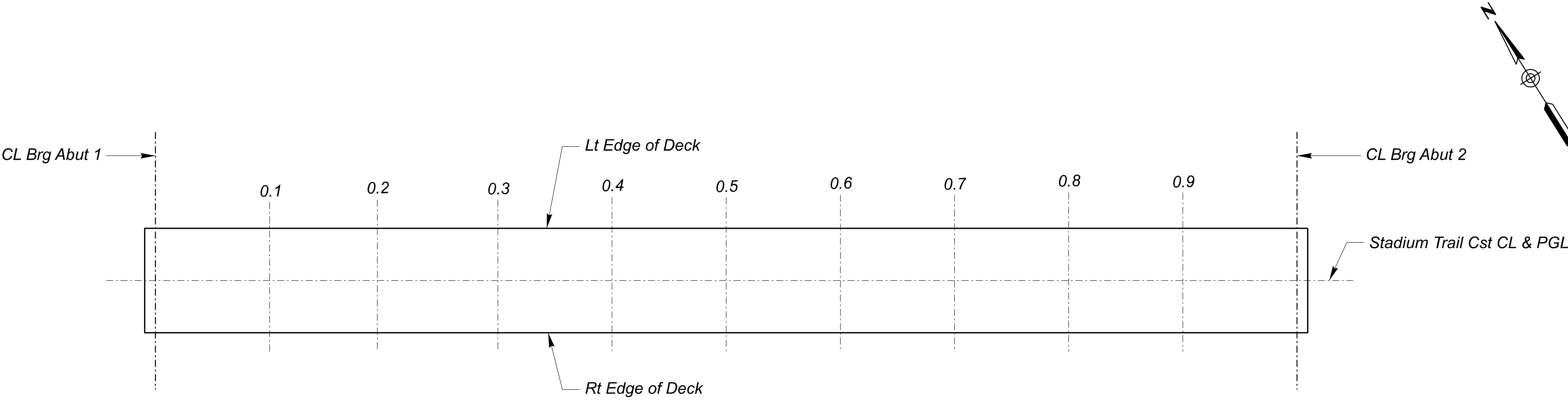
Scale: 1" = 1'-0"

	DESIGN	GTK	DATE	5/24	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION BRIDGE GROUP	ROUTE	N/A	F.H.W.A. Arizona Division STATE: ARIZ.	PROJECT NO.	000 MA PEO	FEDERAL AID NO.	PEO-0(229)T	SHEET NO.	44	TOTAL SHEETS	51	RECORD DRAWING
	DRAWN	JKP		5/24		MILEPOST	N/A		LOCATION	75TH AVE TO SKUNK CREEK							
	CHECKED	AG		5/24		STRUCTURE NO.	Pending		TRACS NO.	T0321 01C				DWG NO.	S-01.10		



1501 W. FOUNTAINHEAD PKWY, SUITE 401
TEMPE, AZ 85282, Ph: 480.966.8188 WWW.JACOBS.COM

DECK ELEVATIONS											
POINT	SPAN 1										
	CL Brg Abut 1	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	CL Brg Abut 2
Lt Edge of Deck	1205.44	1205.55	1205.65	1205.75	1205.85	1205.95	1206.05	1206.15	1206.25	1206.35	1206.45
Lt Gutter	1205.45	1205.56	1205.66	1205.76	1205.86	1205.96	1206.06	1206.16	1206.26	1206.36	1206.46
PGL	1205.51	1205.62	1205.72	1205.82	1205.92	1206.02	1206.12	1206.22	1206.32	1206.42	1206.52
Rt Gutter	1205.45	1205.56	1205.66	1205.76	1205.86	1205.96	1206.06	1206.16	1206.26	1206.36	1206.46
Rt Edge of Deck	1205.44	1205.55	1205.65	1205.75	1205.85	1205.95	1206.05	1206.15	1206.25	1206.35	1206.45



DECK ELEVATION PLAN
(No Scale)



	NAME	DATE
DESIGN	GTK	5/24
DRAWN	JKP	5/24
CHECKED	AG	5/24

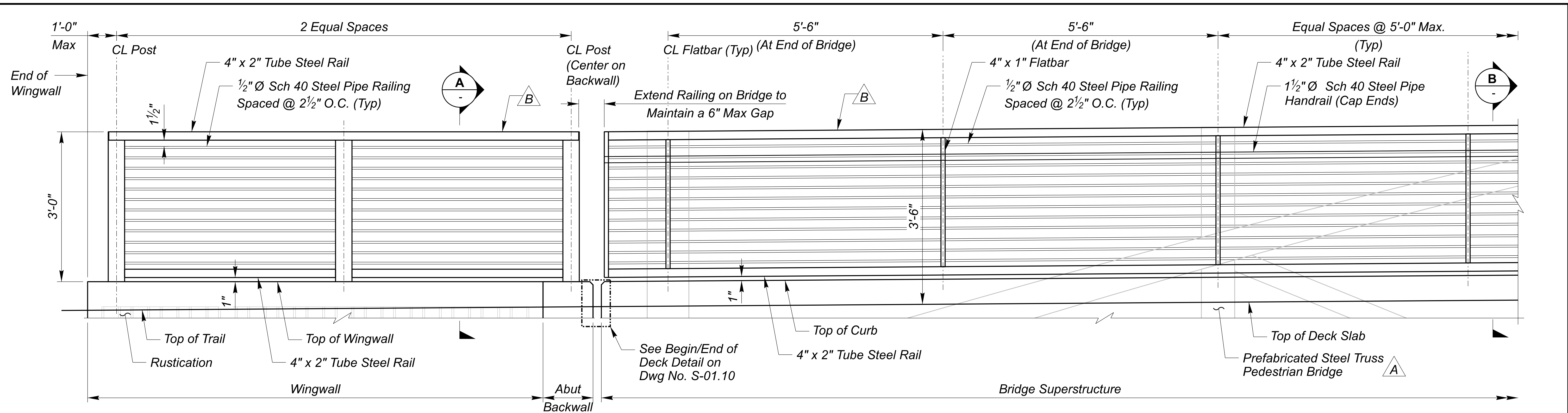
Jacobs
1501 W. FOUNTAINHEAD PKWY, SUITE 401
TEMPE, AZ 85282, Ph: 480.966.8188, WWW.JACOBS.COM

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
BRIDGE GROUP

ROUTE: N/A
MILEPOST: N/A
STRUCTURE NO.: Pending

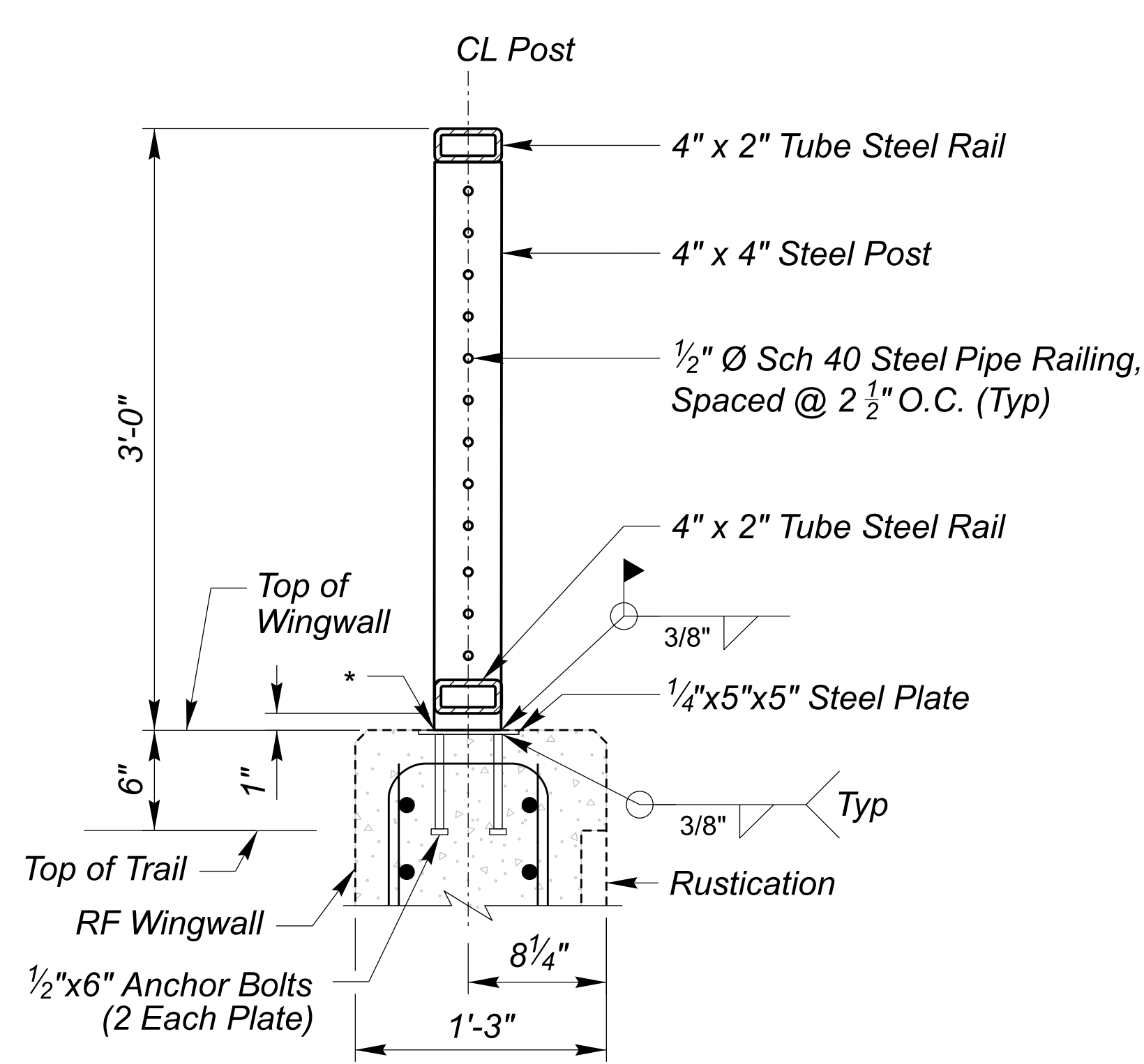
DECK ELEVATIONS

F.H.W.A. Arizona Division	STATE: ARIZ.	PROJECT NO.: 000 MA PEO	FEDERAL AID NO.: PEO-0(229)T	SHEET NO.: 45	TOTAL SHEETS: 51	RECORD DRAWING
LOCATION: 75TH AVE TO SKUNK CREEK						DWG NO.: S-01.11
TRACS NO.: T0321 01C		ADOT		OF		



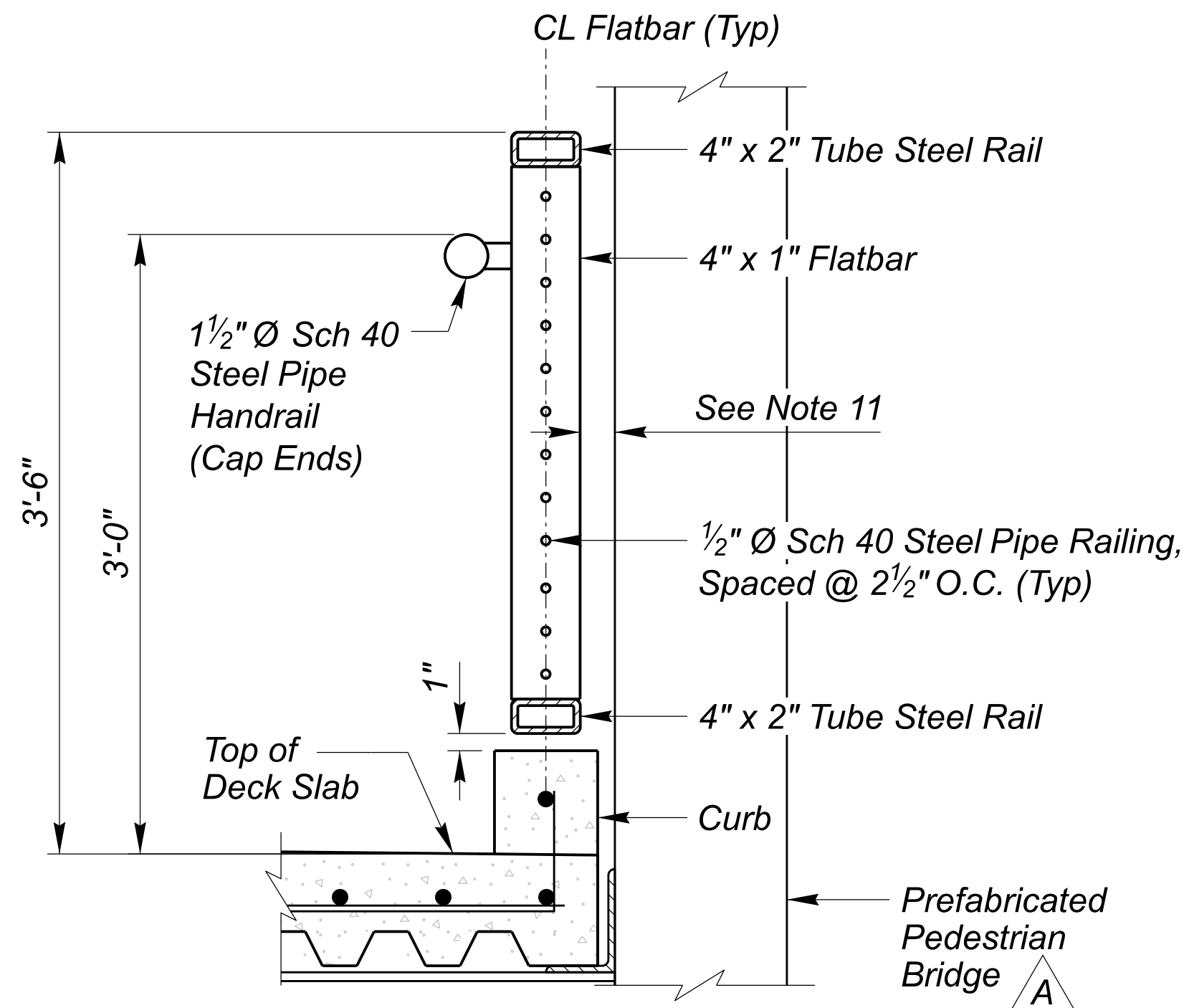
PARTIAL DEVELOPED ELEVATION OF RAILING

Scale: 1" = 1'-0"



SECTION A

Scale: 1 1/2" = 1'-0"



SECTION B

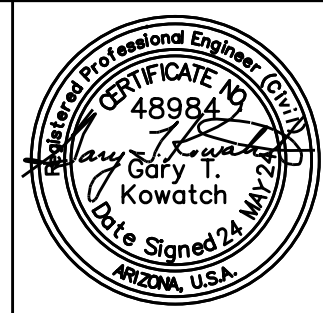
Scale: 1 1/2" = 1'-0"

NOTES

1. Tube Steel Sections Shall Be ASTM A500 Grade C.
2. Tube Steel Posts Shall be Perpendicular to the Longitudinal Profile of the Curb.
3. Tube Steel Rails Shall be Parallel to the Longitudinal Profile of the Curb.
4. Steel Bars Shall Be ASTM A36.
5. Railing Shall Have Expansion Joints at a Maximum Spacing of 40' and a Minimum Spacing of 24'. Expansion Joint Locations Shall Be Approved By the Engineer.
6. Field Splice Locations Shall Be Shown On The Shop Drawings and Approved By The Engineer.
7. All Metal Members and Welds Shall Be Ground Smooth/Rounded To Be Free Of Any Sharp Edges, Corners, and Burrs.
8. All Welding and Inspection of Welding Shall Conform To AWS D1.5 Latest Edition. All Field Welds Shall Be Tested By Non-Destructive Method.
9. All Rail To Post Welds and Bar Frame To Rail Welds Shall Be Continuous For Sealing Purposes.
10. Final Design and Details of the Railing Shall be Completed by the Prefabricated Bridge Manufacturer.
11. Connection of the Railing to the Truss to be Determined by the Prefabricated Truss Manufacturer.
12. Dimensions of Elements Shown are minimums and provided to Demonstrate the Design Intent. Sizes may be increased Based on the Manufacturer's Design.
13. Railing constructed on the Bridge Superstructure is paid under Item 9240050. Railing constructed on the Wingwalls is paid under Item 9240111.

PAINT COLOR KEY

- A Paint Color A - To Be Provided by the City of Peoria
- B Paint Color B - To Be Provided by the City of Peoria



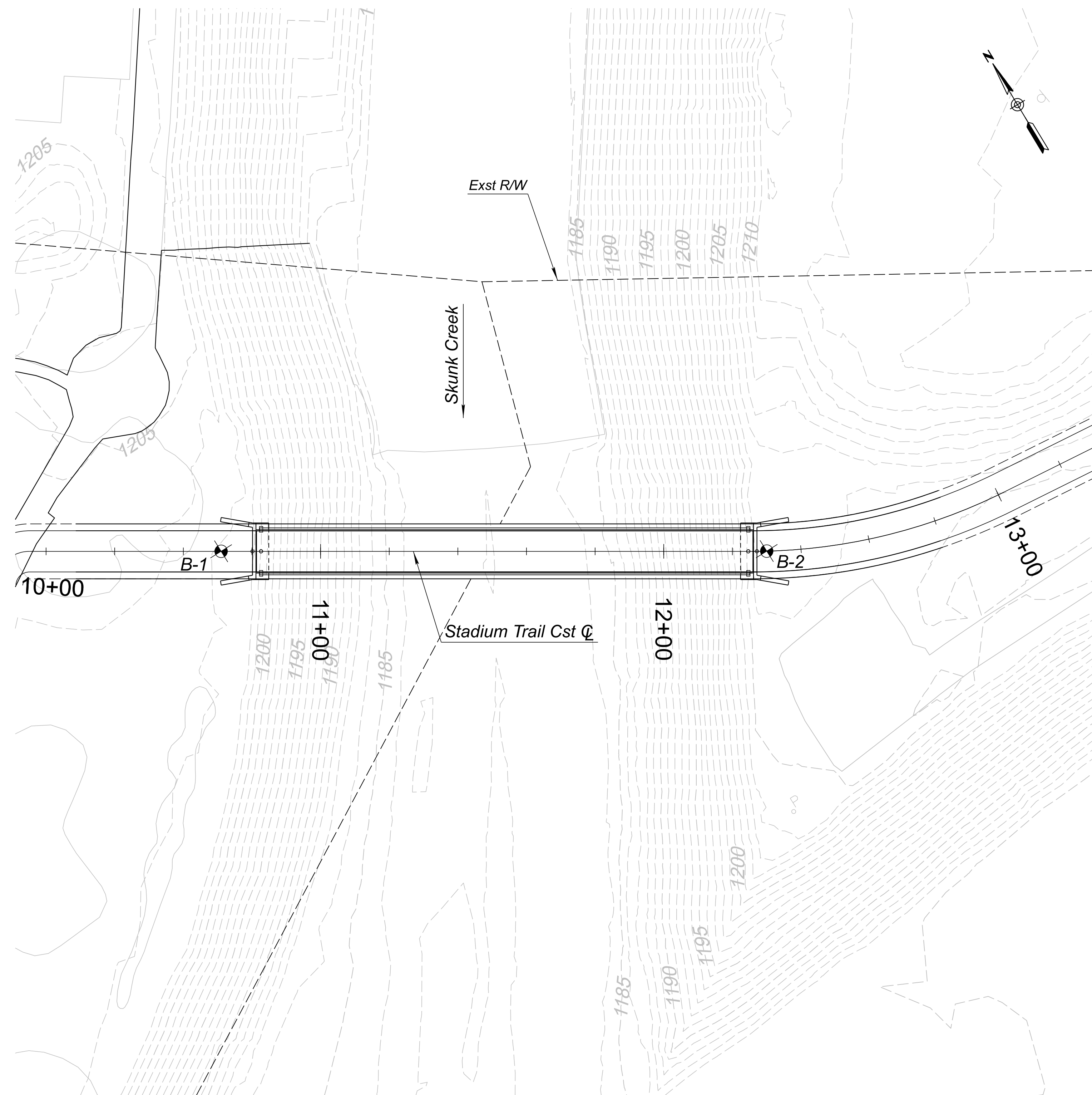
DESIGN	NAME	DATE
GTK		5/24
JKP		5/24
AG		5/24

Jacobs
1501 W. FOUNTAINHEAD PKWY, SUITE 401
TEMPE, AZ 85282, Ph: 480.966.8188 WWW.JACOBS.COM

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
BRIDGE GROUP

RAILING DETAILS

ROUTE N/A	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. 000 MA PEO	FEDERAL AID NO. PEO-0(229)T	SHEET NO. 46	TOTAL SHEETS 51	RECORD DRAWING
MILEPOST N/A	LOCATION 75TH AVE TO SKUNK CREEK		TRACS NO. T0321 01C		DWG NO. S-01.12		
STRUCTURE NO. Pending	ADOT				OF		



PLAN
Scale: 1" = 20.0'

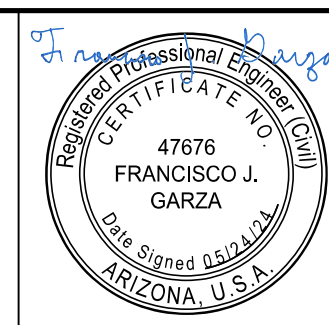
Boring	Depth	Stadium Trail Cst C Station	Offset
B-1	81 ft	STA 10+70	0 ft
B-2	81 ft	STA 12+30	0 ft

LEGEND:



NOTES:

1. General soil descriptions and indicated boundaries are based on engineering interpretation of available subsurface information by the geotechnical engineer and may not reflect actual variation in subsurface conditions between borings and samples. The location of contacts between strata shown on the logs are generally approximate, and changes between material types may be gradual rather than abrupt. Classification of soil materials is in general accordance with ASTM D 2488 and is based on field observation unless accompanied by mechanical analysis presented in the Geotechnical Exploration Report.
2. The observed water levels and/or moisture conditions indicated on the boring logs are as recorded at the time of exploration. These water levels and/or moisture conditions may vary considerably with time according to the prevailing climate, rainfall or other factors and are otherwise dependent upon the duration of and methods used in the exploration program.
3. Sound engineering judgment was exercised in preparing the subsurface information presented on these sheets. This information was prepared and is intended for design and estimate purposes. Its presentation on the plans or elsewhere is for the purpose of providing intended users with access to the same information as the State and its designers. This subsurface information interpretation is presented in good faith and is not intended as a substitute for personal investigation, independent interpretations or judgment of the contractor.
4. Excavations may encounter caving sands and groundwater. The Contractor shall be prepared to deal with such conditions.
5. A 140 lb hammer, 30 inch free-fall, was used to drive the 2 inch O.D. Standard Penetration Test (SPT) split-spoon sampler (ASTM D 1586).
6. For further Information, refer to Geotechnical Exploration Report. This Report is available online at ADOT Contract and Specifications.



	NAME	DATE
DESIGN	P. GARZA	05/24
DRAWN	H. MILLS	05/24
CHECKED	K. DAHLEN	05/24

ethos
ENGINEERING, LLC.

9180 S Kyrene Rd
Suite #104
Tempe, AZ 85284

ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION BRIDGE GROUP	
STADIUM TRAIL OVER SKUNK CREEK FOUNDATION DATA SHEET 1	

ROUTE N/A	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. 000 MA PEO	FEDERAL AID NO. PEO-0(229)T	SHEET NO. 47	TOTAL SHEETS 51	RECORD DRAWING
MILEPOST N/A	LOCATION 75TH AVE TO SKUNK CREEK					DWG NO. SF-01.01	
STRUCTURE NO. TBD	TRACS NO. T0321 01C	ADOT		OF			

LOG OF BORING B-1

LOG OF BORING B-1 (CONTINUED)

BORING NUMBER B-1
PAGE 1 OF 3

ethos ENGINEERING, LLC. Ethos Engineering
9180 S. Kyrene Road, Suite 104
Tempe, AZ 85284

CLIENT Jacobs Engineering Group, Inc. PROJECT NAME Stadium Trail, Skunk Creek to 75th Avenue - Phase II

PROJECT NUMBER 2022 053 PROJECT LOCATION Peoria, Arizona

DATE STARTED 11/17/2022 COMPLETED 11/17/2022 BORING LOCATION 10+70, Skunk Creek Trail CST CL

DRILLER GSI DRILLED BY C. Fiesler GPS COORDINATES 33.63354°N, -112.22288°E

DRILLING METHOD Tubex GROUND ELEVATION 1203 ft BOREHOLE DEPTH .81 ft

RIG TYPE / # CME-75/109 GROUNDWATER DEPTH ---

HAMMER TYPE Auto HAMMER EFFICIENCY 92 LOGGED BY M. Meza CHECKED BY P. Garza

BORING NUMBER B-1
PAGE 2 OF 3

ethos ENGINEERING, LLC. Ethos Engineering
9180 S. Kyrene Road, Suite 104
Tempe, AZ 85284

CLIENT Jacobs Engineering Group, Inc. PROJECT NAME Stadium Trail, Skunk Creek to 75th Avenue - Phase II

PROJECT NUMBER 2022 053 PROJECT LOCATION Peoria, Arizona

DATE STARTED 11/17/2022 COMPLETED 11/17/2022 BORING LOCATION 10+70, Skunk Creek Trail CST CL

DRILLER GSI DRILLED BY C. Fiesler GPS COORDINATES 33.63354°N, -112.22288°E

DRILLING METHOD Tubex GROUND ELEVATION 1203 ft BOREHOLE DEPTH .81 ft

RIG TYPE / # CME-75/109 GROUNDWATER DEPTH ---

HAMMER TYPE Auto HAMMER EFFICIENCY 92 LOGGED BY M. Meza CHECKED BY P. Garza

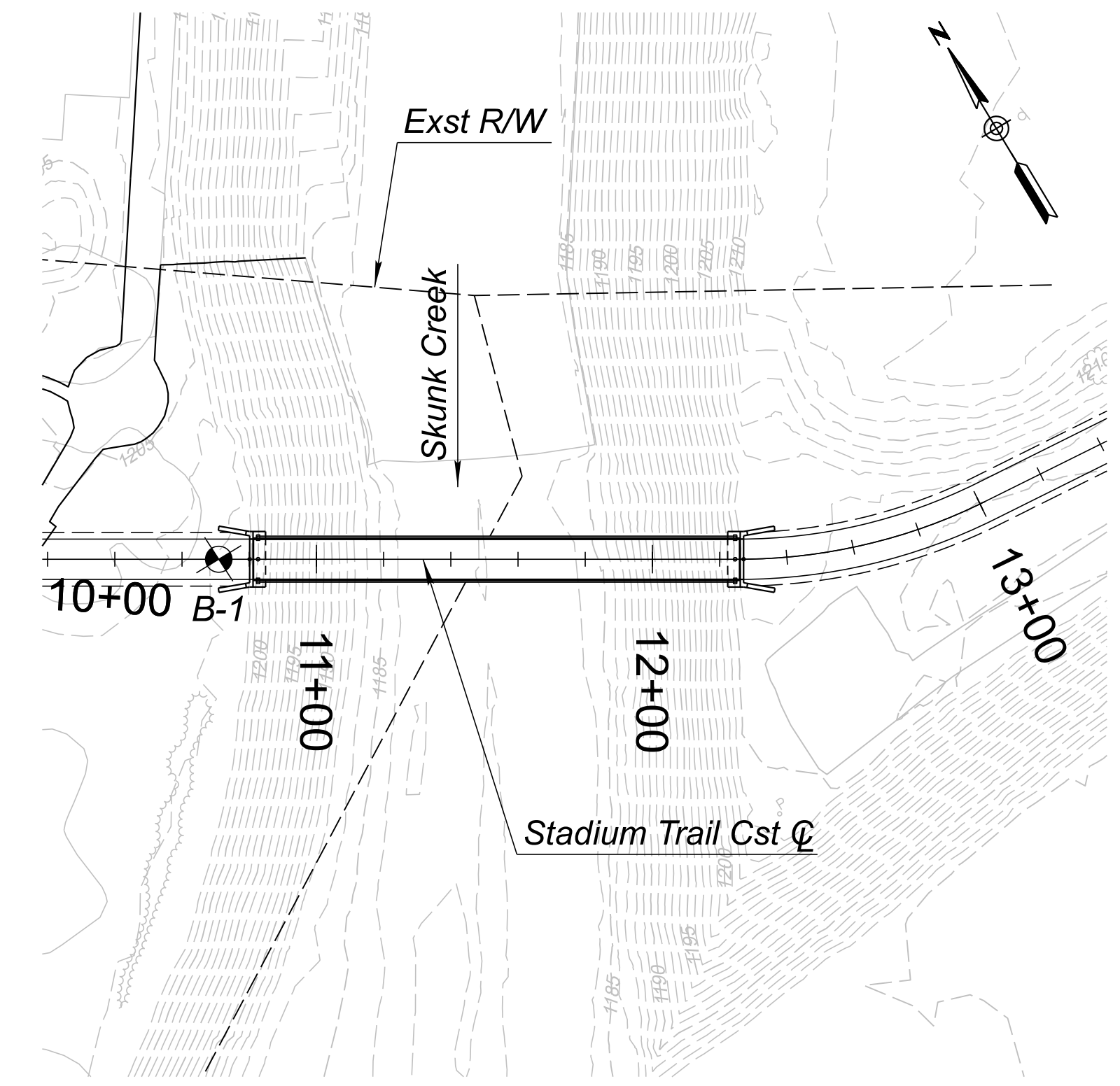
ELEVATION (ft)	DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE	BLOW COUNTS (N VALUE)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS			FINES CONTENT (%)
								LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX	
1200			SILTY, CLAYEY SAND WITH GRAVEL (SC-SM), subangular, firm, low plasticity, slightly moist, light brown, some gravel, predominantly fine to medium sand	SPT	6-14-14 (28)						
	5		GRAVEL WITH SILT AND SAND (GP-GM), subangular, very dense, non plastic, slightly moist, brown, trace to some cobbles, some medium sand	AU							
				R	50/4"						
1195			GRAVEL WITH SAND (GP), subangular, medium dense, non plastic, slightly moist, orangish brown to light brown, predominantly fine to coarse gravel, some to considerable medium to coarse sand	R	9-17	1.5	NP	NP	NP	4	
1190			Note: Trace Subrounded Cobbles below 12'								
1185			SILTY GRAVEL WITH SAND (GM), subangular, very dense, non plastic, slightly moist, pinkish brown to light gray, trace cobbles, some medium sand	SPT	17-26-32 (58)						
	15		Note: Increased Cobbles below 20'								
				SPT	50/5"						
1180											
	20			SPT	30-50/4"						
1175			GRAVEL WITH SILTY CLAY (GC), subangular, hard, low to medium plasticity, slightly moist, orangish brown to light brown, trace cobbles, trace to some fine to medium sand	SPT	50/5"						
1170											

ELEVATION (ft)	DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE	BLOW COUNTS (N VALUE)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS			FINES CONTENT (%)
								LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX	
1165			SANDY CLAY (CL), subangular, very firm, medium plasticity, moist, brown, trace fine gravel, considerable fine sand	SPT	15-19-25 (44)						
	40		CLAYEY GRAVEL WITH SAND (GC), subangular, low to medium plasticity, slightly moist, dark brown to brown, some fine sand								
			GRAVEL WITH SILT AND SAND (GP-GM), subangular, very dense, non plastic, slightly moist, orangish brown to light gray, trace cobbles, some medium to coarse sand	SPT	19-50/5"						
1160			SAND WITH CLAY (SP-SC), subangular, firm, low plasticity, moist, brown to orangish brown, some gravel, predominantly medium sand	R	13-29	87	17.9				
1155			SILTY GRAVEL WITH SAND (GP-GM), subangular, very dense, non plastic, slightly moist, pinkish brown to light gray, trace cobbles, some medium to coarse sand	SPT	12-50/5"						
1150				SPT	30-50/2"						
1145											
	60		SAND WITH SILT AND GRAVEL (SP-SM), subangular, very dense, non plastic, slightly moist, light brown to light gray, trace cobbles, predominantly fine to medium sand	SPT	17-35-44 (79)	3.5	NP	NP	NP	10	
1140			GRAVEL WITH SAND (GP), subangular, very dense, non plastic, slightly moist, light brown to light gray, trace to some cobbles, some medium to coarse sand	SPT	27-50/3"						
1135											

(Continued Next Page)

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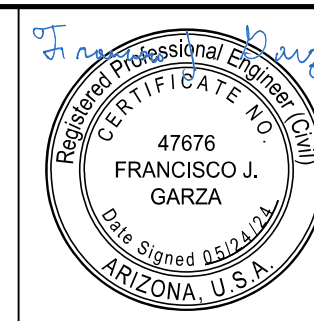
CONTINUED ON SHEET SF-01.03



PLAN
Scale: 1" = 40.0'

LEGEND:

Boring Location & ID



DESIGN	P. GARZA	DATE	05/24
DRAWN	H. MILLS	DATE	05/24
CHECKED	K. DAHLEN	DATE	05/24

ethos ENGINEERING, LLC.
9180 S Kyrene Rd
Suite #104
Tempe, AZ 85284

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
BRIDGE GROUP

STADIUM TRAIL OVER SKUNK CREEK
FOUNDATION DATA SHEET 2

ROUTE	N/A	STATE	ARIZ.	PROJECT NO.	000 MA PEO	FEDERAL AID NO.	PEO-0(229)T	SHEET NO.	48	TOTAL SHEETS	51	RECORD DRAWING	
MILEPOST	N/A	LOCATION	75TH AVE TO SKUNK CREEK				DWG NO.	SF-01.02					
STRUCTURE NO.	TBD	TRACS NO.	T0321 01C		ADOT		OF						

LOG OF BORING B-1

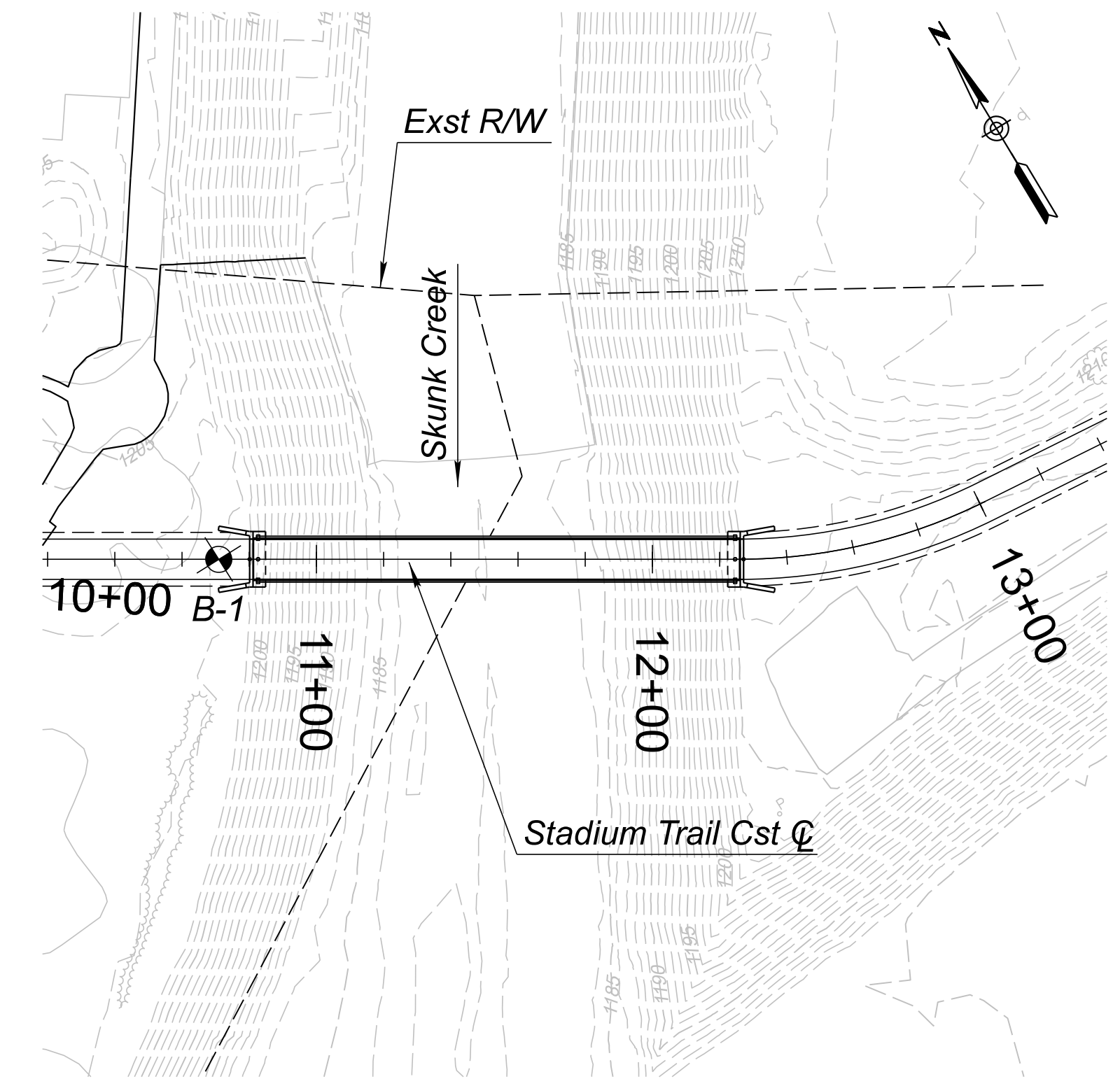
BORING NUMBER B-1
PAGE 3 OF 3

ethos ENGINEERING, LLC.
Ethos Engineering
9180 S. Kyrene Road, Suite 104
Tempe, AZ 85284

CLIENT Jacobs Engineering Group, Inc. PROJECT NAME Stadium Trail, Skunk Creek to 75th Avenue - Phase II
 PROJECT NUMBER 2022 053 PROJECT LOCATION Peoria, Arizona
 DATE STARTED 11/17/2022 COMPLETED 11/17/2022 BORING LOCATION 10+70, Skunk Creek Trail CST CL
 DRILLER GSI DRILLED BY C. Fiesler GPS COORDINATES 33.63354°N, -112.22288°E
 DRILLING METHOD Tubex GROUND ELEVATION 1203 ft BOREHOLE DEPTH .81 ft
 RIG TYPE / # CME-75/109 GROUNDWATER DEPTH ---
 HAMMER TYPE Auto HAMMER EFFICIENCY 92 LOGGED BY M. Meza CHECKED BY P. Garza

ELEVATION (ft)	DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE	BLOW COUNTS (N VALUE)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS			FINES CONTENT (%)
								LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX	
1130	75		SILTY, CLAYEY GRAVEL WITH SAND (GC), subangular, hard, low to medium plasticity, slightly moist, orangish brown to gray, trace to some cobbles, some medium to coarse sand(continued)	▲ SPT	13-28-27 (55)						
1125			GRAVELLY SILTY CLAY (CL-ML), subangular, hard, low plasticity, slightly moist, light brown to orangish brown, some to considerable gravel, trace to some fine sand	▲ SPT	8-14-50 (64)						
			GRAVEL WITH SAND (GP), subangular, very dense, non plastic, slightly moist, light brown to light gray, some to considerable medium to coarse sand								
	80		SILTY SAND (SM), subangular, medium dense, non plastic, moist, brown to orangish brown, occasional to trace fine gravel, predominantly fine to medium sand	✕ R	14-26						

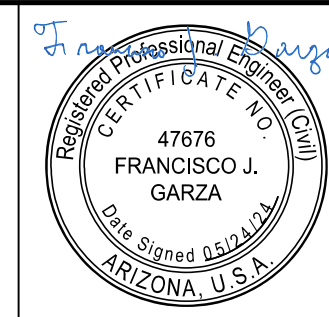
Bottom of borehole at 81.0 feet. Backfilled with 20% Bentonite Slurry.



PLAN
Scale: 1" = 40.0'

LEGEND:

Boring Location & ID



NAME	DATE
DESIGN P. GARZA	05/24
DRAWN H. MILLS	05/24
CHECKED K. DAHLEN	05/24

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
BRIDGE GROUP

STADIUM TRAIL OVER SKUNK CREEK
FOUNDATION DATA SHEET 3

ROUTE N/A	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. 000 MA PEO	FEDERAL AID NO. PEO-0(229)T	SHEET NO. 49	TOTAL SHEETS 51	RECORD DRAWING
MILEPOST N/A	LOCATION 75TH AVE TO SKUNK CREEK				DWG NO. SF-01.03		
STRUCTURE NO. TBD	TRACS NO. T0321 01C		ADOT		OF		

LOG OF BORING B-2

LOG OF BORING B-2 (CONTINUED)

BORING NUMBER B-2
PAGE 1 OF 3

ethos ENGINEERING, LLC. Ethos Engineering
9180 S. Kyrene Road, Suite 104
Tempe, AZ 85284

CLIENT Jacobs Engineering Group, Inc. PROJECT NAME Stadium Trail, Skunk Creek to 75th Avenue - Phase II
PROJECT NUMBER 2022 053 PROJECT LOCATION Peoria, Arizona
DATE STARTED 11/16/2022 COMPLETED 11/16/2022 BORING LOCATION 12+30, Skunk Creek Trail CST CL
DRILLER GSI DRILLED BY C. Fiesler GPS COORDINATES 33.63324°N, -112.22227°E
DRILLING METHOD Tubex GROUND ELEVATION 1202 ft BOREHOLE DEPTH 81 ft
RIG TYPE / # CME-75/109 GROUNDWATER DEPTH ---
HAMMER TYPE Auto HAMMER EFFICIENCY 92 LOGGED BY M. Meza CHECKED BY P. Garza

BORING NUMBER B-2
PAGE 2 OF 3

ethos ENGINEERING, LLC. Ethos Engineering
9180 S. Kyrene Road, Suite 104
Tempe, AZ 85284

CLIENT Jacobs Engineering Group, Inc. PROJECT NAME Stadium Trail, Skunk Creek to 75th Avenue - Phase II
PROJECT NUMBER 2022 053 PROJECT LOCATION Peoria, Arizona
DATE STARTED 11/16/2022 COMPLETED 11/16/2022 BORING LOCATION 12+30, Skunk Creek Trail CST CL
DRILLER GSI DRILLED BY C. Fiesler GPS COORDINATES 33.63324°N, -112.22227°E
DRILLING METHOD Tubex GROUND ELEVATION 1202 ft BOREHOLE DEPTH 81 ft
RIG TYPE / # CME-75/109 GROUNDWATER DEPTH ---
HAMMER TYPE Auto HAMMER EFFICIENCY 92 LOGGED BY M. Meza CHECKED BY P. Garza

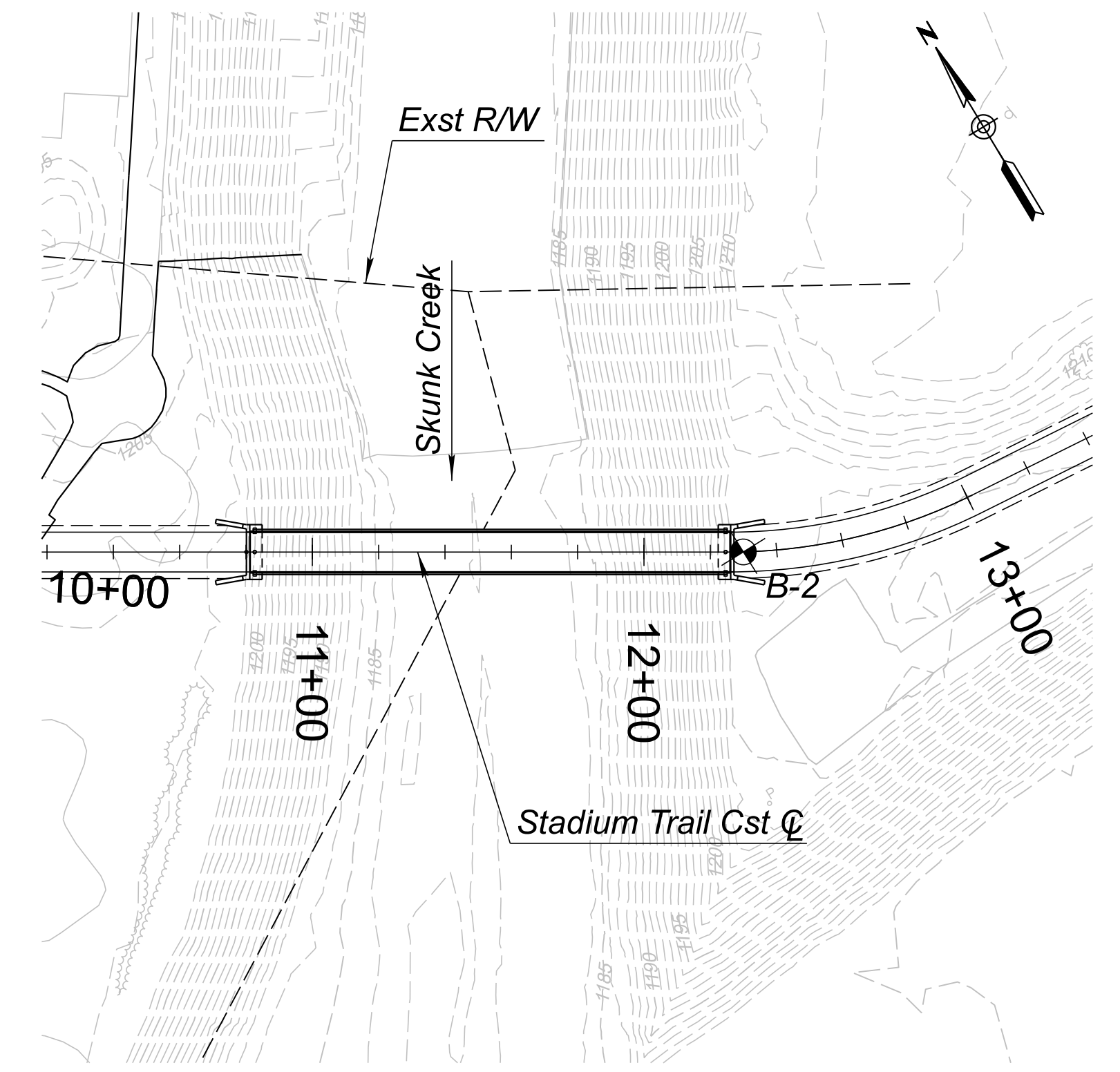
ELEVATION (ft)	DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE	BLOW COUNTS (N VALUE)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS			FINES CONTENT (%)
								LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX	
1200			CLAYEY SAND (SC), subangular, firm, medium plasticity, slightly moist, brown to light brown, trace to some fine gravel, predominantly fine to medium sand	SPT	6-10-8 (18)		4.3	36	17	19	39
	5		GRAVEL WITH SILT AND SAND (GP-GM), subangular, very dense, non plastic, slightly moist, light brown to light gray, trace cobbles, some to considerable fine to medium sand	AU							
				SPT	50/2"						
1195			SAND WITH GRAVEL (SP), subangular, non plastic, slightly moist, light brown, some gravel, predominantly medium to coarse sand								
	10		GRAVEL WITH SAND (GP), subangular, medium dense, non plastic, slightly moist, light brown to light gray, trace cobbles, some medium to coarse sand	SPT	5-12-12 (24)						
1190											
	15		SILTY GRAVEL WITH SAND (GP-GM), subrounded, very dense, non plastic, slightly moist, light brown to light gray, trace cobbles, some to considerable medium to coarse sand	SPT	5-16-14 (30)						
1185											
	20		CLAYEY SAND WITH GRAVEL (SC), subrounded, very dense, medium plasticity, slightly moist, light gray to pinkish brown, trace cobbles, considerable fine gravel, predominantly medium to coarse sand	SPT	12-27-50/5"		3.3				12
1180											
	25		SILTY GRAVEL WITH SAND (GP-GM), subrounded, very dense, non plastic, slightly moist, light brown to light gray, trace cobbles, some to considerable medium to coarse sand Note: Pinkish Brown to Light Brown below 25'	SPT	14-28-50 (78)						
1175											
	30		SAND WITH CLAY (SP-SC), subangular, very firm, non plastic, moist, weak lime cementation, brown to orangish brown, trace to some gravel, predominantly medium sand	SPT	16-18-22 (40)		7.3				
1170											
	35										

ELEVATION (ft)	DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE	BLOW COUNTS (N VALUE)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS			FINES CONTENT (%)
								LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX	
1165			GRAVEL WITH SAND (GP), subangular, very dense, non plastic, slightly moist, light brown to pinkish brown, trace to some cobbles, some medium to coarse sand (continued)	SPT	37-50/2"						
	40		GRAVEL WITH SILT AND SAND (GP-GM), subangular, very dense, non plastic, slightly moist, brown to reddish brown, trace to some cobbles, some medium to coarse sand	SPT	30-50/5"						
1160											
	45		Note: Orangish Brown to Light Grey below 44'	SPT	50/5"						
1155											
	50			SPT	50/5"						
1150											
	55			SPT	50/4"						
1145											
	60			SPT	31-50/5"						
1140											
	65		Note: Pinkish Brown to Light Grey below 62'	SPT	40-50/5"						
1135											
	70										

(Continued Next Page)

(Continued Next Page)

CONTINUED ON SHEET SF-01.05



PLAN
Scale: 1" = 40.0'

LEGEND:

Boring Location & ID

	NAME: P. GARZA DATE: 05/24 DESIGN: P. GARZA DRAWN: H. MILLS CHECKED: K. DAHLEN	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION BRIDGE GROUP	ROUTE: N/A MILEPOST: N/A STRUCTURE NO.: TBD	F.H.W.A. Arizona Division STATE: ARIZ. PROJECT NO.: 000 MA PEO FEDERAL AID NO.: PEO-0(229)T SHEET NO.: 50 TOTAL SHEETS: 51	RECORD DRAWING	
	STADIUM TRAIL OVER SKUNK CREEK FOUNDATION DATA SHEET 4	9180 S Kyrene Rd Suite #104 Tempe, AZ 85284	STADIUM TRAIL OVER SKUNK CREEK FOUNDATION DATA SHEET 4	LOCATION: 75TH AVE TO SKUNK CREEK TRACS NO.: T0321 01C	DWG NO.: SF-01.04 OF:	
	SF-01.04					

LOG OF BORING B-2

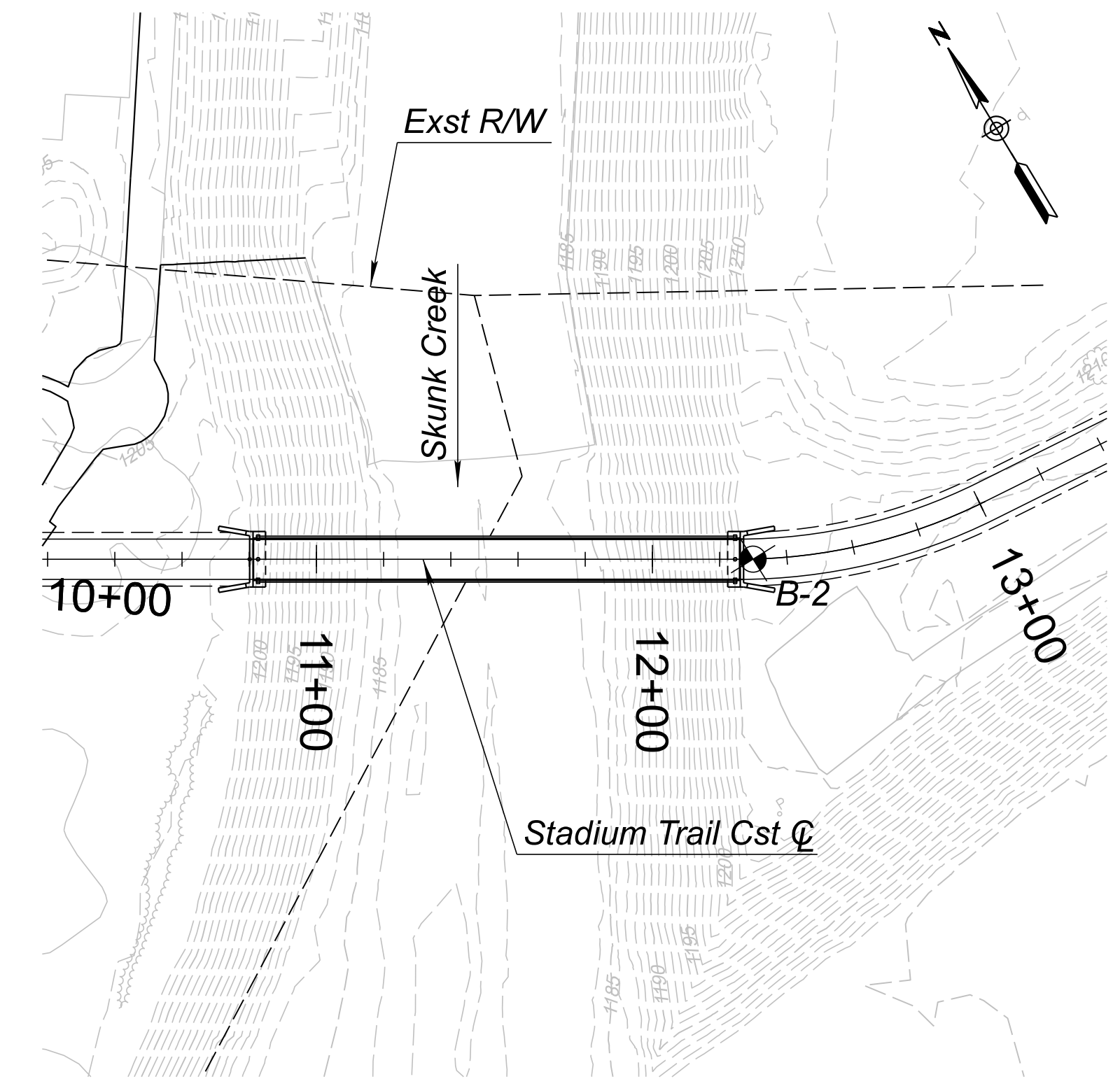
BORING NUMBER B-2
PAGE 3 OF 3

ethos ENGINEERING, LLC.
Ethos Engineering
9180 S. Kyrene Road, Suite 104
Tempe, AZ 85284

CLIENT Jacobs Engineering Group, Inc. PROJECT NAME Stadium Trail, Skunk Creek to 75th Avenue - Phase II
 PROJECT NUMBER 2022 053 PROJECT LOCATION Peoria, Arizona
 DATE STARTED 11/16/2022 COMPLETED 11/16/2022 BORING LOCATION 12+30, Skunk Creek Trail CST CL
 DRILLER GSI DRILLED BY C. Fiesler GPS COORDINATES 33.63324°N, -112.22227°E
 DRILLING METHOD Tubex GROUND ELEVATION 1202 ft BOREHOLE DEPTH .81 ft
 RIG TYPE / # CME-75/109 GROUNDWATER DEPTH ---
 HAMMER TYPE Auto HAMMER EFFICIENCY 92 LOGGED BY M. Meza CHECKED BY P. Garza

ELEVATION (ft)	DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE	BLOW COUNTS (N VALUE)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS			FINES CONTENT (%)
								LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX	
1130			GRAVEL WITH SILT AND SAND (GP-GM), subangular, very dense, non plastic, slightly moist, brown to reddish brown, trace to some cobbles, some medium to coarse sand(continued) Note: Orangish Brown to Light Grey below 70'	▲ SPT	16-38-50/5"						
1125	75		SAND WITH SILT AND GRAVEL (SP-SM), subangular, very dense, non plastic, slightly moist, brown to orangish brown, some gravel, predominantly medium to coarse sand	▲ SPT	18-38-41 (79)						
80			SILTY SAND (SM), subangular, medium dense, non plastic, light brown, occasional to trace fine gravel, predominantly fine to medium sand	✱ R	13-30	92	18.6				

Bottom of borehole at 81.0 feet. Backfilled with 20% Bentonite Slurry.



PLAN
Scale: 1" = 40.0'

LEGEND:

Boring Location & ID

	<table border="1"> <tr> <th>NAME</th> <th>DATE</th> </tr> <tr> <td>DESIGN P. GARZA</td> <td>05/24</td> </tr> <tr> <td>DRAWN H. MILLS</td> <td>05/24</td> </tr> <tr> <td>CHECKED K. DAHLEN</td> <td>05/24</td> </tr> </table>	NAME	DATE	DESIGN P. GARZA	05/24	DRAWN H. MILLS	05/24	CHECKED K. DAHLEN	05/24	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION BRIDGE GROUP	ROUTE N/A MILEPOST N/A STRUCTURE NO. TBD	F.H.W.A. Arizona Division STATE ARIZ.	PROJECT NO. 000 MA PEO	FEDERAL AID NO. PEO-0(229)T	SHEET NO. 51	TOTAL SHEETS 51	RECORD DRAWING
	NAME	DATE															
	DESIGN P. GARZA	05/24															
DRAWN H. MILLS	05/24																
CHECKED K. DAHLEN	05/24																
STADIUM TRAIL OVER SKUNK CREEK FOUNDATION DATA SHEET 5				LOCATION 75TH AVE TO SKUNK CREEK				DWG NO. SF-01.05									
9180 S Kyrene Rd Suite #104 Tempe, AZ 85284				TRACS NO. T0321 01C				OF									