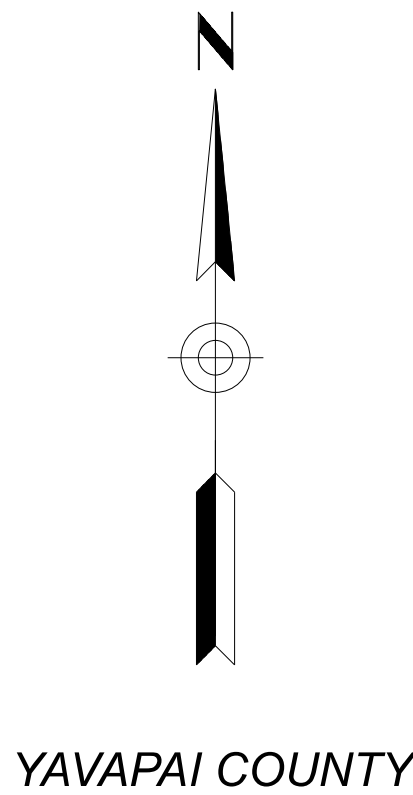




STATE OF ARIZONA
DEPARTMENT OF TRANSPORTATION
PROJECT DELIVERY AND OPERATIONS DIVISION
PROJECT PLANS



STATE HIGHWAY
CORDES JUNCTION - FLAGSTAFF HIGHWAY
INTERSTATE 17



E DUGAS ROAD - MP 275
PROJECT NO. 017 YV 269 F0616 01C
FEDERAL AID NO. 017-B(239)T

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

ARIZONA DEPARTMENT OF TRANSPORTATION
PROJECT DELIVERY AND OPERATIONS DIVISION
AUDRA MERRICK, P.E., STATE ENGINEER

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

CONSTRUCTION STANDARDS
EFFECTIVE MARCH 2025

DATE	STANDARD	SUBJECT TITLE
5/12	C-01.10 SH 1	SYMBOL LEGEND
5/12	C-01.10 SH 2	SYMBOL LEGEND
5/12	C-01.10 SH 3	SYMBOL LEGEND
5/12	C-01.10 SH 4	SYMBOL LEGEND
12/17	C-01.30 SH 1	GENERAL ABBREVIATIONS
5/12	C-01.30 SH 2	GENERAL ABBREVIATIONS
5/12	C-01.30 SH 3	GENERAL ABBREVIATIONS
5/12	C-02.10	SLOPES, RURAL DIVIDED HIGHWAYS
5/12	C-02.20	SLOPES, RURAL UNDIVIDED AND FRINGE-URBAN HIGHWAYS
5/12	C-02.30	SLOPES, MISCELLANEOUS ROADWAYS
5/12	C-03.10 SH 1	DITCHES, CHANNELS, DIKES AND BERMS, DITCHES AND CHANNELS
5/12	C-03.10 SH 2	DITCHES, CHANNELS, DIKES AND BERMS, DIKES
5/12	C-03.10 SH 3	DITCHES, CHANNELS, DIKES AND BERMS, DITCH DIKE
5/12	C-03.10 SH 4	DITCHES, CHANNELS, DIKES AND BERMS, PIPE BERMS
5/12	C-03.10 SH 5	DITCHES, CHANNELS, DIKES AND BERMS, HEADWALL BERMS
12/17	C-04.10 SH 1	SPILLWAY, EMBANKMENT SINGLE INLET
12/17	C-04.10 SH 2	SPILLWAY, EMBANKMENT DOUBLE INLET
12/17	C-04.20 SH 1	DOWNDRAIN, EMBANKMENT SINGLE INLET
12/17	C-04.20 SH 2	DOWNDRAIN, EMBANKMENT DOUBLE INLET
12/17	C-04.30	SPILLWAY LENGTH TABLE
12/17	C-04.40	DOWNDRAIN LENGTH TABLE
5/12	C-04.50	DOWNDRAIN ENERGY DISSIPATOR
5/12	C-05.10	CURB & GUTTER, CURB, GUTTER
5/12	C-05.12 SH 1	CURB & GUTTER TRANSITIONS
5/12	C-05.12 SH 2	CURB & GUTTER TRANSITIONS
5/12	C-05.12 SH 3	CURB AND GUTTER TRANSITIONS
5/12	C-05.20 SH 1	CONCRETE DRIVEWAYS & SIDEWALKS, DRIVEWAYS
5/12	C-05.20 SH 2	CONCRETE DRIVEWAYS & SIDEWALKS, SIDEWALKS
5/12	C-05.30 SH 1	SIDEWALK RAMP, TYPE A
5/12	C-05.30 SH 2	SIDEWALK RAMP, TYPE B
5/12	C-05.30 SH 3	SIDEWALK RAMP, TYPE C
5/12	C-05.30 SH 4	SIDEWALK RAMP, TYPE D
5/12	C-05.30 SH 5	SIDEWALK RAMP, TYPE E
5/12	C-05.30 SH 6	SIDEWALK RAMP, TYPE F
5/12	C-05.30 SH 7	SIDEWALK RAMP, DETECTABLE WARNING STRIP
5/12	C-05.40	MEDIAN PAVING AND NOSE TAPER
5/12	C-05.50	CONCRETE BUS BAY
5/12	C-06.10 SH 1	DRIVEWAY & TURNOUT LAYOUTS
5/12	C-06.10 SH 2	DRIVEWAY & TURNOUT LAYOUTS
5/12	C-07.01 SH 1	PCCP JOINTS
5/12	C-07.01 SH 2	PCCP JOINTS
5/12	C-07.02	LOAD TRANSFER DOWEL ASSEMBLY
5/12	C-07.03 SH 1	PCCP JOINT LOCATIONS, MAINLINE SKEWED JOINTS
5/12	C-07.03 SH 2	PCCP JOINT LOCATIONS, MAINLINE SKEWED JOINTS
5/12	C-07.03 SH 3	PCCP JOINT LOCATIONS, MAINLINE SKEWED JOINTS
5/12	C-07.03 SH 4	PCCP JOINT LOCATIONS, MAINLINE SKEWED JOINTS
5/12	C-07.03 SH 5	PCCP JOINT LOCATIONS, MAINLINE NON-SKEWED JOINTS
5/12	C-07.03 SH 6	PCCP JOINT LOCATIONS, MAINLINE NON-SKEWED JOINTS
5/12	C-07.03 SH 7	PCCP JOINT LOCATIONS, MAINLINE NON-SKEWED JOINTS
5/12	C-07.03 SH 8	PCCP JOINT LOCATIONS, MAINLINE NON-SKEWED JOINTS
5/12	C-07.04 SH 1	PCCP JOINT LOCATIONS, PARALLEL-TYPE ENTRANCE RAMP WITH AUXILIARY LANE
5/12	C-07.04 SH 2	PCCP JOINT LOCATIONS, PARALLEL-TYPE EXIT RAMP WITH AUXILIARY LANE
5/12	C-07.04 SH 3	PCCP JOINT LOCATIONS, TAPER-TYPE ENTRANCE RAMP
5/12	C-07.04 SH 4	PCCP JOINT LOCATIONS, TAPER-TYPE EXIT RAMP
5/12	C-07.04 SH 5	PCCP JOINT LOCATIONS, CROSSROAD AND RAMP TERMINI
8/21	C-07.06	TRENCH BACKFILL AND PAVEMENT REPLACEMENT
5/12	C-08.20	PAVED GORE AREA
12/17	C-10.00	GUARDRAIL MEASUREMENT LIMITS
12/17	C-10.01	GUARDRAIL INSTALLATION
12/17	C-10.03	W-BEAM GUARDRAIL, MGS BLOCKED-OUT TIMBER POST
12/17	C-10.04	W-BEAM GUARDRAIL, MGS BLOCKED-OUT STEEL POST
12/17	C-10.05 SH 1	W-BEAM GUARDRAIL (MODIFIED) WITH FREEWAY CURB AND GUTTER
12/17	C-10.05 SH 2	W-BEAM GUARDRAIL (MODIFIED) WITH FREEWAY CURB AND GUTTER
12/17	C-10.06	W-BEAM GUARDRAIL LONG-SPAN
12/17	C-10.07 SH 1	W-BEAM GUARDRAIL, BOX CULVERT GUARDRAIL POST
12/17	C-10.07 SH 2	W-BEAM GUARDRAIL, BOX CULVERT GUARDRAIL POST
12/17	C-10.08 SH 1	W-BEAM GUARDRAIL, END ANCHOR
12/17	C-10.08 SH 2	W-BEAM GUARDRAIL, END ANCHOR
12/17	C-10.09	GUARDRAIL POST ROCK INSTALLATION
4/19	C-10.20 SH 1	GUARDRAIL END TERMINAL PAD LAYOUT FOR SOFTSTOP
4/19	C-10.20 SH 2	GUARDRAIL END TERMINAL PAD LAYOUT FOR SOFTSTOP
4/19	C-10.21 SH 1	GUARDRAIL END TERMINAL PAD LAYOUT FOR MSKT
4/19	C-10.21 SH 2	GUARDRAIL END TERMINAL PAD LAYOUT FOR MSKT
4/19	C-10.22 SH 1	GUARDRAIL END TERMINAL PAD LAYOUT FOR MAX-TENSION
4/19	C-10.22 SH 2	GUARDRAIL END TERMINAL PAD LAYOUT FOR MAX-TENSION
4/21	C-10.23 SH 1	GUARDRAIL END TERMINAL PAD LAYOUT FOR SGET
4/21	C-10.23 SH 2	GUARDRAIL END TERMINAL PAD LAYOUT FOR SGET
3/25	C-10.24 SH 1	GUARDRAIL END TERMINAL PAD LAYOUT FOR NGT
3/25	C-10.24 SH 2	GUARDRAIL END TERMINAL PAD LAYOUT FOR NGT
11/19	C-10.26 SH 1	GUARDRAIL END TERMINAL PAD LAYOUT FOR MFLEAT
11/19	C-10.26 SH 2	GUARDRAIL END TERMINAL PAD LAYOUT FOR MFLEAT
12/17	C-10.30 SH 1	GUARDRAIL TRANSITION TO CONCRETE BARRIER, TIMBER POST
12/17	C-10.30 SH 2	GUARDRAIL TRANSITION TO CONCRETE BARRIER, TIMBER POST
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

DATE	STANDARD	SUBJECT TITLE
12/17	C-10.52	CONCRETE HALF BARRIER, 32" TYPE 'F' WITH GUTTER
12/17	C-10.53	CONCRETE HALF BARRIER, 42" TYPE 'F' WITH GUTTER
12/17	C-10.54 SH 1	CONCRETE HALF BARRIER, 32" TYPE 'F' AT PIERS, CAST-IN-PLACE
12/17	C-10.54 SH 2	CONCRETE HALF BARRIER, 32" TYPE 'F' AT PIERS, PRECAST
12/17	C-10.54 SH 3	CONCRETE HALF BARRIER, 32" TYPE 'F' AT PIERS, LAYOUT
12/17	C-10.55 SH 1	CONCRETE HALF BARRIER, 42" TYPE 'F' AT PIERS, CAST-IN-PLACE
12/17	C-10.55 SH 2	CONCRETE HALF BARRIER, 42" TYPE 'F' AT PIERS, PRECAST
12/17	C-10.55 SH 3	CONCRETE HALF BARRIER, 42" TYPE 'F' AT PIERS, LAYOUT
12/17	C-10.70 SH 1	CONCRETE HALF-BARRIER TRANSITION TO VERTICAL, 32" TYPE 'F' WITH CAISSONS
12/17	C-10.70 SH 2	CONCRETE HALF-BARRIER TRANSITION TO VERTICAL, 32" TYPE 'F' WITH CAISSONS
12/17	C-10.70 SH 3	CONCRETE HALF-BARRIER TRANSITION TO VERTICAL, 32" TYPE 'F' WITH CAISSONS
12/17	C-10.71 SH 1	CONCRETE HALF-BARRIER TRANSITION TO VERTICAL, 32" TYPE 'F' WITH CURB & GUTTER
12/17	C-10.71 SH 2	CONCRETE HALF-BARRIER TRANSITION TO VERTICAL, 32" TYPE 'F' WITH CURB & GUTTER
12/17	C-10.72 SH 1	CONCRETE HALF-BARRIER TRANSITION TO VERTICAL, 42" TO 32" TYPE 'F' WITH CAISSONS
12/17	C-10.72 SH 2	CONCRETE HALF-BARRIER TRANSITION TO VERTICAL, 42" TO 32" TYPE 'F' WITH CAISSONS
12/17	C-10.72 SH 3	CONCRETE HALF-BARRIER TRANSITION TO VERTICAL, 42" TO 32" TYPE 'F' WITH CAISSONS
12/17	C-10.73 SH 1	CONCRETE HALF-BARRIER TRANSITION TO VERTICAL, 42" TO 32" TYPE 'F' WITH GUTTER
12/17	C-10.73 SH 2	CONCRETE HALF-BARRIER TRANSITION TO VERTICAL, 42" TO 32" TYPE 'F' WITH GUTTER
12/17	C-10.74	CONCRETE HALF-BARRIER TRANSITION, 42" TO 32" TYPE 'F'
12/17	C-10.75 SH 1	CONCRETE HALF-BARRIER TRANSITION, TYPE 'F' TANGENT DEPARTURE TYPE 1
12/17	C-10.75 SH 2	CONCRETE HALF-BARRIER TRANSITION, TYPE 'F' TANGENT DEPARTURE TYPE 2
12/17	C-10.76	CONCRETE HALF-BARRIER TRANSITION, TYPE 'F' AT RADIUS, 32" TO 0"
4/19	C-10.77	CONCRETE BARRIER TRANSITION TO GUARDRAIL END TERMINAL LAYOUT WITH CURB
12/17	C-10.78	CONCRETE HALF-BARRIER TRANSITION, 32" TYPE 'F' LOW SPEED APPROACH
12/17	C-10.79	CONCRETE HALF-BARRIER TRANSITION, 42" TYPE 'F' TANGENT DEPARTURE
5/12	C-11.10 SH 1	ROADWAY CATTLE GUARD
5/12	C-11.10 SH 2	ROADWAY CATTLE GUARD
5/12	C-11.10 SH 3	ROADWAY CATTLE GUARD
5/12	C-11.10 SH 4	ROADWAY CATTLE GUARD
5/12	C-11.20	CATTLE GUARD, DRAINAGE
5/12	C-12.10 SH 1	FENCE, WOVEN WIRE
5/12	C-12.10 SH 2	FENCE, BARBED WIRE
5/12	C-12.10 SH 3	FENCE, TYPE 1 AND 2 GATES, FLOOD GATE
5/12	C-12.10 SH 4	FENCE, FLOOD GATE INSTALLATION
5/12	C-12.10 SH 5	FENCE, MISCELLANEOUS DETAILS
5/12	C-12.20 SH 1	FENCE, CHAIN LINK, TYPE 1
5/12	C-12.20 SH 2	FENCE, CHAIN LINK, TYPE 2
5/12	C-12.20 SH 3	FENCE, CHAIN LINK, GATES
5/12	C-12.30 SH 1	FENCE, CHAIN LINK CABLE BARRIER
5/12	C-12.30 SH 2	FENCE, CHAIN LINK CABLE BARRIER
5/12	C-12.30 SH 3	FENCE, CHAIN LINK CABLE BARRIER
5/12	C-13.10 SH 1	PIPE CULVERT INSTALLATION
5/12	C-13.10 SH 2	PIPE CULVERT INSTALLATION
8/23	C-13.15	TYPICAL PIPE INSTALLATION
5/12	C-13.20	PIPE, REINFORCED CONCRETE END SECTION
5/12	C-13.25	PIPE, CORRUGATED METAL END SECTION
5/12	C-13.30	PIPE AND PIPE ARCH, CORRUGATED METAL, CONCRETE INVERT PAVING
5/12	C-13.55	PIPE, CATTLE-VEHICLE PASS, MITERED END TREATMENT
5/12	C-13.60	SLOTTED DRAIN DETAILS
5/12	C-13.65	SLOTTED DRAIN INSTALLATION DETAILS
5/12	C-13.70	STORM DRAIN CONNECTION DETAILS
5/12	C-13.75	STORM DRAIN OUTLET BARRIER GATE
5/12	C-13.76	STORM DRAIN OUTLET AND STORM DRAIN PLUG
5/12	C-13.80	PIPE COLLAR DETAILS
5/12	C-15.10	CATCH BASIN, TYPE 1
5/12	C-15.20 SH 1	CATCH BASIN, TYPE 3
5/12	C-15.20 SH 2	CATCH BASIN, TYPE 3
5/12	C-15.20 SH 3	CATCH BASIN, ACCESS FRAME AND COVER DETAILS
5/12	C-15.30	CATCH BASIN, TYPE 4
5/12	C-15.40 SH 1	CATCH BASIN, TYPE 5
5/12	C-15.40 SH 2	CATCH BASIN, TYPE 5
5/12	C-15.50	CATCH BASIN, FRAME AND GRATE
5/12	C-15.70 SH 1	CATCH BASIN, MISCELLANEOUS DETAILS
5/12	C-15.70 SH 2	CATCH BASIN, MISCELLANEOUS DETAILS
5/12	C-15.75	CATCH BASIN, DROP INLET
5/12	C-15.80	CATCH BASIN, FLUSH
5/12	C-15.81	CATCH BASIN, SIDE SLOPE
5/12	C-15.90	CATCH BASIN, MEDIAN DIKE, PRECAST
5/12	C-15.91 SH 1	FREEWAY CATCH BASIN DETAILS
5/12	C-15.91 SH 2	FREEWAY CATCH BASIN DETAILS
5/12	C-15.92 SH 1	CATCH BASIN WITH TYPE 'F' CONCRETE HALF BARRIER
5/12	C-15.92 SH 2	CATCH BASIN WITH TYPE 'F' CONCRETE HALF BARRIER
5/12	C-16.40	IRRIGATION SLEEVES
5/12	C-17.10	RAIL BANK PROTECTION FOR DRAINAGEWAYS, TYPES 1, 2 & 3
5/12	C-17.15	RAIL BANK PROTECTION AT ABUTMENTS, TYPES 4, 5 & 6
5/12	C-17.20	RAIL BANK PROTECTION FOR DRAINAGEWAYS, TYPES 7, 8 & 9
5/12	C-18.10 SH 1	MANHOLE, RISER DETAILS
5/12	C-18.10 SH 2	MANHOLE, BASE DETAILS, NORMAL INSTALLATION
5/12	C-18.10 SH 3	MANHOLE, FRAME AND COVER DETAILS
5/12	C-19.10 SH 1	FORD, CONCRETE WALLS
5/12	C-19.10 SH 2	FORD, TYPES 1 AND 2
5/12	C-21.10	SURVEY MONUMENT FRAME AND COVER
5/12	C-21.20	SURVEY MARKER

ADOT STANDARD DRAWINGS REVISION DATES and STANDARD NO.'s REVIEW			
CONSTRUCTION STANDARDS		NAME	DATE
PROJECT NO.		D. Kelly	July 2026
017 YV 269 F0616 01C		1A	OF 104
RECORD DRAWING DATA	FEDERAL ID NO. 017-B(239)T	REC. DWG. DATE	OF

ADOT STANDARD DRAWINGS

TRAFFIC SIGNING & MARKING STANDARDS

(SHEET 1 OF 2)

EFFECTIVE MAY 2025

REVISION DATE	STANDARD NUMBER	SUBJECT : SIGNING AND MARKING DETAILS
6/14	M-1	CURB MARKINGS FOR RAISED MEDIAN AND ISLANDS
1/20	M-2 SHT 1	INTERSECTION STRIPING
5/15	M-2 SHT 2	INTERSECTION STRIPING (TWO-LANE RURAL)
6/14	M-2 SHT 3	CENTERLINE AND REVERSE CURVE DETAILS
6/14	M-3	STRIPING AND DELINEATION FOR FREEWAY TERMINALS
6/14	M-4	PASSING LANE STRIPING DETAILS
6/14	M-5	RAILROAD PAVEMENT MARKINGS
6/14	M-6	WORD MARKINGS
6/14	M-7	PAVEMENT LETTERS
6/14	M-8	PAVEMENT LETTERS
6/14	M-9	PAVEMENT NUMBERS
6/14	M-10 SHT 1	PAVEMENT MARKING SYMBOLS
6/14	M-10 SHT 2	PAVEMENT MARKING SYMBOLS
5/25	M-10 SHT 3	PAVEMENT MARKING SYMBOLS
6/14	M-11	TURN LANE PAVEMENT MARKINGS
6/14	M-12	WRONG-WAY ARROWS
1/19	M-13	PREFERENTIAL LANE PAVEMENT MARKINGS
6/14	M-14	STRIPING AND DELINEATION FOR TRUCK ESCAPE RAMPS
8/20	M-15 SHT 1	PAVEMENT MARKING FOR FREEWAY ENTRANCE RAMP - TAPERED ACCELERATION LANE
8/20	M-15 SHT 2	PAVEMENT MARKING FOR FREEWAY ENTRANCE RAMP - PARALLEL ACCELERATION LANE
8/20	M-15 SHT 3	PAVEMENT MARKING FOR FREEWAY ENTRANCE RAMP - PARALLEL ACCELERATION LANE WITH HOV BYPASS
6/14	M-15 SHT 4	PAVEMENT MARKING FOR FREEWAY PARALLEL - ACCELERATION LANE
8/20	M-16 SHT 1	PAVEMENT MARKING FOR FREEWAY EXIT RAMPS - TAPERED DECELERATION LANE
8/20	M-16 SHT 2	PAVEMENT MARKING FOR FREEWAY EXIT RAMP - PARALLEL DECELERATION LANE
8/20	M-17	FREEWAY LANE DROP PAVEMENT MARKINGS
11/24	M-19 SHT 1	RAISED PAVEMENT MARKER PLAN LEGEND
6/14	M-19 SHT 2	NON-REFLECTIVE RAISED PAVEMENT MARKER DETAILS
11/24	M-19 SHT 3	RETROREFLECTIVE RAISED PAVEMENT MARKER DETAILS
11/24	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
6/24	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

REVISION DATE	STANDARD NUMBER	SUBJECT : SIGNING AND MARKING DETAILS
6/14	M-20 SHT 1	CHIP SEAL MARKER USAGE FOR TEMPORARY MARKERS
6/14	M-20 SHT 2	CHIP SEAL MARKER USAGE FOR TEMPORARY MARKERS
6/14	M-21	TRANSVERSE RUMBLE STRIP DETAILS
9/21	M-22 SHT 1	LONGITUDINAL RUMBLE STRIP GROOVE, PATTERN - AND LOCATION DETAILS
9/21	M-22 SHT 2	LONGITUDINAL RUMBLE STRIP EXCEPTION DETAILS
9/21	M-22 SHT 3	ENTRANCE AND EXIT RAMPS RUMBLE STRIP INSTALLATION DETAILS
3/22	M-22 SHT 4	CENTERLINE RUMBLE STRIP GROOVE, PATTERN - AND LOCATION DETAILS
6/14	M-23	OBJECT MARKER DETAILS
6/14	M-24	OBJECT MARKER PLACEMENT DETAILS
2/21	M-26 SHT 1	DELINEATOR PLACEMENT AND SPACING
2/21	M-26 SHT 2	DELINEATOR PLACEMENT AND SPACING
2/21	M-26 SHT 3	FLEXIBLE DELINEATOR ASSEMBLIES
2/21	M-26 SHT 4	SQUARE STEEL POST DELINEATOR
2/21	M-26 SHT 5	DELINEATOR FOUNDATION DETAILS
2/21	M-27 SHT 1	DELINEATION DETAILS FOR MEDIAN CROSSEOVERS
2/21	M-27 SHT 2	DELINEATION DETAILS FOR MEDIAN CROSSEOVERS
6/14	M-29	OFF- MAINLINE REFERENCE MARKER LOCATION DETAIL
6/14	M-30	OFF- MAINLINE REFERENCE MARKER DETAILS
6/14	M-32	BRIDGE AND BARRIER MARKER DETAILS
6/14	M-33	BRIDGE AND BARRIER MARKER PLACEMENT AND INSTALLATION DETAILS
6/14	M-34	GUARDRAIL END TERMINAL DELINEATION DETAILS
6/14	M-35	OBJECT MARKER FOR SAND BARREL CRASH CUSHION

ADOT STANDARD DRAWINGS REVISION DATES and STANDARD NO.'s REVIEW			
		NAME	DATE
SIGNING & MARKING STANDARDS		D. Kelly	July 2026
PROJECT NO.			
017 YV 269 F0616 01C		1B-1	OF 104
RECORD DRAWING DATA	FEDERAL ID NO. 017-B(239)T	REC. DWG. DATE	OF

ADOT STANDARD DRAWINGS

TRAFFIC SIGNING & MARKING STANDARDS

(SHEET 2 OF 2)

EFFECTIVE MAY 2025

REVISION DATE	STANDARD NUMBER	SUBJECT : SIGNING AND MARKING DETAILS
4/19	S-1 SHT 1	GENERAL SIGNING NOTES
6/14	S-2 SHT 1	S & W BREAKAWAY POST SELECTION CHART
6/14	S-2 SHT 2	S & W BREAKAWAY POST INSTALLATION DETAILS
6/14	S-3 SHT 1	FLAT SHEET SIGNS SQUARE TUBE POST GENERAL NOTES
6/14	S-3 SHT 2	SINGLE POST FLAT SHEET RECTANGULAR SIGN ASSEMBLY - 12, 18 AND 24 INCH WIDTHS
6/14	S-3 SHT 3	SINGLE POST FLAT SHEET RECTANGULAR SIGN ASSEMBLY - 30, 36, 42 AND 54 INCH WIDTHS
6/14	S-3 SHT 4	TWO POST FLAT SHEET RECTANGULAR SIGN ASSEMBLY - 36, 42 AND 48 INCH WIDTHS
6/14	S-3 SHT 5	TWO POST FLAT SHEET RECTANGULAR SIGN ASSEMBLY - 54, 60 AND 72 INCH WIDTHS
6/14	S-3 SHT 6	TWO POST FLAT SHEET RECTANGULAR SIGN ASSEMBLY - 84 - 144 INCH WIDTHS
6/14	S-3 SHT 7	THREE POST FLAT SHEET RECTANGULAR SIGN ASSEMBLY - 48, 60 AND 72 INCH WIDTHS
6/14	S-3 SHT 8	THREE POST FLAT SHEET RECTANGULAR SIGN ASSEMBLY - 84 - 144 INCH WIDTHS
6/14	S-3 SHT 9	WARNING SIGN ASSEMBLY - SINGLE POST
6/14	S-3 SHT 10	WARNING SIGN ASSEMBLY - TWO POST
6/14	S-3 SHT 11	WARNING SIGN ASSEMBLY - THREE POST
6/14	S-3 SHT 12	MULTIPLE ROUTE MARKER ASSEMBLIES
6/14	S-3 SHT 13	SPECIAL SIGN ASSEMBLIES
6/14	S-3 SHT 14	STRINGER DETAILS FOR SQUARE TUBE POSTS
6/14	S-3 SHT 15	SQUARE TUBE SIGN POST FOUNDATION
6/14	S-3 SHT 16	SQUARE TUBE POST SLIP BASE DETAILS
6/14	S-4	W SHAPE BREAKAWAY POST FUSE PLATE AND HINGE DETAILS
6/22	S-5	W SHAPE BREAKAWAY POST DETAILS
6/22	S-6	S4x7.7 BREAKAWAY POST DETAILS
6/14	S-7 SHT 1	ALUMINUM EXTRUSION SIGN PANEL DETAILS
6/14	S-7 SHT 2	ALUMINUM EXTRUSION AUXILIARY SIGN INSTALLATION DETAILS
5/15	S-7 SHT 3	ALUMINUM EXTRUSION EXIT PANEL INSTALLATION DETAIL
6/14	S-8 SHT 1	FLAT SHEET ALUMINUM PANEL ON BREAKAWAY POSTS INSTALLATION DETAIL
6/14	S-8 SHT 2	ALUMINUM EXTRUSION SIGN TO PERFORATED POSTS INSTALLATION DETAIL
8/22	S-9 SHT 1	SIGN INSTALLATION ON POLE
8/22	S-9 SHT 2	SIGNS (BACK TO BACK) INSTALLATION ON POLE
8/22	S-9 SHT 3	SIGN INSTALLATION ON SIGNAL POLE
8/22	S-9 SHT 4	SIGN INSTALLATION ON POLE BAND-TYPE CLAMP
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

REVISION DATE	STANDARD NUMBER	SUBJECT : SIGNING AND MARKING DETAILS
6/14	S-12 SHT 1	TYPE A, B, AND DOWN ARROWS
6/14	S-12 SHT 2	TYPE C AND D ARROWS
6/14	S-12 SHT 3	C2 ARROW DETAIL
6/14	S-13	SIGN IDENTIFICATION DETAILS
6/14	S-14 SHT 1	ROTATING OPEN/CLOSED SIGN
6/14	S-14 SHT 2	ROTATING OPEN/CLOSED SIGN DETAILS
6/14	S-14 SHT 3	ROTATING OPEN/CLOSED SIGN MOUNTING DETAILS
6/14	S-15 SHT 1	FOLDING RECTANGULAR SIGN ASSEMBLY
6/14	S-15 SHT 2	FOLDING RECTANGULAR SIGN OPERATION
6/14	S-15 SHT 3	FOLDING DIAMOND SIGN ASSEMBLY
4/19	S-16 SHT 1	TEMPORARY WOOD POSTS
4/19	S-16 SHT 2	TEMPORARY WOOD POSTS SELECTION CHART
6/14	S-17	END OF ROAD BARRICADE
7/19	S-18 SHT 1	ALUMINUM GRAFFITI SHIELD EXIT AND GUIDE SIGN ASSEMBLY
7/19	S-18 SHT 2	ALUMINUM GRAFFITI SHIELD RIGHT RIDER SIDE PANEL
7/19	S-18 SHT 3	ALUMINUM GRAFFITI SHIELD LEFT RIDER SIDE PANEL
7/19	S-18 SHT 4	ALUMINUM GRAFFITI SHIELD CORNER
7/19	S-18 SHT 5	ALUMINUM GRAFFITI SHIELD SPLICE PLATE
7/19	S-18 SHT 6	ALUMINUM GRAFFITI SHIELD FIN
7/19	S-18 SHT 7	ALUMINUM GRAFFITI SHIELD TOP PANEL
7/19	S-18 SHT 8	ALUMINUM GRAFFITI SHIELD SIDE PANEL
7/19	S-18 SHT 9	ALUMINUM GRAFFITI SHIELD RIGHT TRANSITION FROM RIDER
7/19	S-18 SHT 10	ALUMINUM GRAFFITI SHIELD LEFT TRANSITION FROM RIDER
7/19	S-18 SHT 11	ALUMINUM GRAFFITI SHIELD SPLICE PLATE FOR FIN
12/18	C-1	SAND BARREL CRASH CUSHION
12/18	C-2	SAND BARREL CRASH CUSHION TYPICAL INSTALLATION
6/14	C-3 SHT 1	PRECAST CONCRETE BARRIER STRUCTURAL DETAILS
6/14	C-3 SHT 2	PRECAST CONCRETE BARRIER PIN AND LOOP ASSEMBLY
6/14	C-4 SHT 1	MEDIAN CROSSOVER
6/14	C-4 SHT 2	TYPICAL END TREATMENTS FOR DETOURS USING TEMPORARY CONCRETE BARRIER (TCB)
6/14	C-5 SHT 1	APPROACH PLATE AND TRANSITION SECTION FOR TEMPORARY CONCRETE BARRIER
6/14	C-5 SHT 2	APPROACH PLATE AND TRANSITION SECTION FOR TEMPORARY CONCRETE BARRIER

ADOT STANDARD DRAWINGS REVISION DATES and STANDARD NO.'s REVIEW			
SIGNING & MARKING STANDARDS PROJECT NO.	NAME D. Kelly		DATE July 2026
	017 YV 269 F0616 01C		1B-2 OF 104
RECORD DRAWING DATA	FEDERAL ID NO. 017-B(239)T	REC. DWG. DATE	OF

1. **SPILL PREVENTION, CONTROL, AND COUNTERMEASURES – CWA SECTION 311**

If total above-ground storage capacity, including mobile re-fuelers stationed on-site, is greater than 1,320 gallons of oil (oils, greases, fuel, asphalt, and asphalt derivatives), where a spill has the potential to reach Waters of the US, the Contractor shall prepare a SPCC plan per contract specifications in Section 104.16 (C) of the Standard Specifications.

2. **SURFACE WATER POLLUTION PREVENTION – CWA SECTION 402**

☒ Arizona Pollutant Discharge Elimination System (AZPDES) CGP coverage applies (104SWDEQ needed)

3. **WORK IN WATERS OF THE UNITED STATES – CWA SECTION 404/401**

☒ No Permit Required; Refer to Section 104.16 (D) of the Standard Specifications for General Requirements

4. **BIOLOGY PROGRAM – ESA SECTION 7; MBTA, ARIZONA REVISED STATUTES TITLE 17**

BIO-1: Environmental Awareness, Monitoring and Avoidance ☒ N/A

BIO-2: Migratory Bird Treaty Act (MBTA) ☐ N/A

The contractor shall avoid nests with relocation directions.

BIO-2A: General Seasonal Restrictions for MBTA, refer to seasonal dates in EPIC and general requirements in 104.16(E) of the Standard Specifications.

If construction occurs during the migratory bird breeding season: March 1 to August 31 refer to Section 104.16 BIO-2 of the specifications for direction.

BIO-2D: MBTA – Active Cliff Swallow Nests ☒ N/A

BIO-3: Burrowing Owls ☒ N/A

BIO-4: Bats ☒ N/A

BIO-5: Sonoran Desert Tortoise ☒ No ☐ Yes

5. **VEGETATION PROTECTION PROGRAM – CWA SECTION 402, EO 13122**

General (applies to all projects); The contractor shall comply with the requirements specified in Section 104.16 (F) of the Special Provisions and Section 104.16 (B) of the Standard Specifications.

☒ Noxious Species Control Plan (NSCP) required

6. **CULTURAL RESOURCES PROGRAM**

☒ No Cultural Resources Program Action Required; See Std. Spec. 107.05 and 107.06 for General Requirements

7. **HAZARDOUS MATERIALS PROGRAM**

General (applies to all projects); See Std. Spec. 107.07 for General Requirements.

☒ No Hazardous Materials Program Action Required

8. **NOISE PROGRAM**

☒ No Noise Program Specific Project Action Required; See Std. Spec. 104.08 for General Requirements

9. **AIR QUALITY PROGRAM**

☒ No Air Quality Program Action Required; See Std. Spec. 104.08 for General Requirements

10. **OTHER ENVIRONMENTAL ISSUES**

Project Specific Environmental Commitments: ☐ N/A

- For milling activities, the roadway surface preceding the milling machine shall be kept wet so as to prevent the generation of any visible fugitive dust particles, but not so wet as to cause excess runoff from the roadway surface onto the roadway shoulder.

Arizona Department of Transportation Environmental Planning Standard Template				
Environmental, Permits, Issues, And Commitments (EPIC) Sheet				
Environmental Planner Name		Tatum Wertin	R.E. Name	
Environmental Planning Date of Completion		4/11/2025	R.E. Signature	
FEDERAL ID NO.	017-B(239)T			
PROJECT NO.	017 YV 269 F0616 01C			
			With the above signature, the R.E. attests that all EPIC work for this project has been satisfactorily completed.	
REC DWG DATE: _____ OF _____			____1F____ OF ____104____	
			Sheet 1F	

INDEX OF SHEETS

SHEET NO.

DWG. NO.

SHEET TITLE

GENERAL

1	-
1A - 1B	1A,1B-1,1B-2
1F	1F
2	G-01.01
3	G-01.02
4	G-02.01
5 - 9	G-03.01 - G-03.05
10	G-04.01
11	G-05.01
12-13	G-06.01 - G-06.02

CIVIL

14 - 16	C-01.01 - C-01.03
17 - 19	C-02.01 - C-02.03
20 - 69	C-03.01 - C-03.50
70 - 72	C-04.01 - C-04.03
73 - 74	C-04.04 - C-04.05

TRAFFIC

75	T-01.01
76	T-01.02
77	T-01.03
78	T-02.01
79 - 87	T-02.02 - T-02.10
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ROADSIDE

100	EC-01.01
100 - 104	EC-02.01 - EC-02.04

Face Sheet
ADOT Standard
EPIC Sheet
Index of Sheets and Design Data Sheet
Key Map
Typical Section and Pavement Structural Section Sheet
Barrier Summary Sheets
New Pipe Summary Sheet
New CSP Extensions Summary Sheet
Detail Sheets

Geometry Data Sheets
Geometric Layout Sheets
Plan and Profile Sheets
Detour Plan Sheets
Detour Profile Sheets

Traffic Control Notes and Legend
Traffic Control Construction Activity
Traffic Control Quantities
Traffic Control Advance Signing Detail
Traffic Control Detour Plans
Signing Notes and Quantities
Pavement Marking Notes and Quantities
Sign Summary Sheets
Signing Plans

Control Measure Index Sheet
Erosion Control Details

DESIGN DATA

MP 269.3 to MP 275.6
Design Speed = 75 MPH

AADT (2025) = 29,600 vpd
AADT (2046) = 29,960 vpd
D=56%

LENGTH OF PROJECT

I-17 SB Cst CL

Roadway Construction
Sta 3579+00 to Sta 3643+06.30 = 6,406.30'

Equation Back= Sta 3643+06.30
Equation Ahead Sta 3643+37.17

Sta 3643+37.17 to 3915+00 = 27,162.83'
Gross and Net Length = 33,569.13'
= 6.36 Miles

MIDPOINT OF PROJECT

Central Zone
State Plane Coordinates
(NAD 83/92)

GAF=1.00025
X=662,650.00
Y=1,254,000.00

REFERENCES & BASIS OF STATIONING

160-A(209)T
F-064-1-507
BP-064-1-503
BP-064-1-908

GENERAL NOTES

The 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.

For R/W information not shown, see Right-of-Way Map No. A-3-T-599 and A-3-T-585-13b.

Pavement lift thickness is nominal.

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 Subsection 107.15 of the specifications.

Delineators and mile postmarkers shall be removed and reset as required.

The average project elevation is 4,100'.

New Right of Way and easements are not required.

The pavement shoulders shall be treated with a rumble strip: see Traffic sheets.

6 Tons of AC (Misc. Structural)(Special Mix) and 25 Cu Yd of AB Class 2 are estimated for construction of each Guardrail End Terminal Pad.

The contractor shall adjust erosion/sediment control measures (CMs/BMPs) to the actual limits of soil/ground disturbance, and as directed by the Engineer.

EARTHWORK QUANTITIES

Description	Detours & I-17 NB	I-17 SB Cst CL	Detours Removal	Total
>Roadway Excavation	794	9,535	-	10,329 CY
Shrink (10%)	79	79		158 CY
Excavation for Detour Removal *		-	9,770	9,770 CY
Pipe Excavation	132	-	-	132 CY
Shrink (10%)	13		-	13 CY
Embankment**	10,553	707	-	11,260 CY
Trench Backfill	23			23 CY
Pipe Backfill (Imported Material)	43	-	-	43 CY
Pipe Bedding (Imported Material)	28	-	-	28 CY
> Total Borrow (In Place)	9,742	-	-	9,742 CY
Waste	-	8,749	9,770	18,519 CY

Notes:
> Pay Item
* Detour Excavation is included in Bid Item 2020152 - Remove Detour

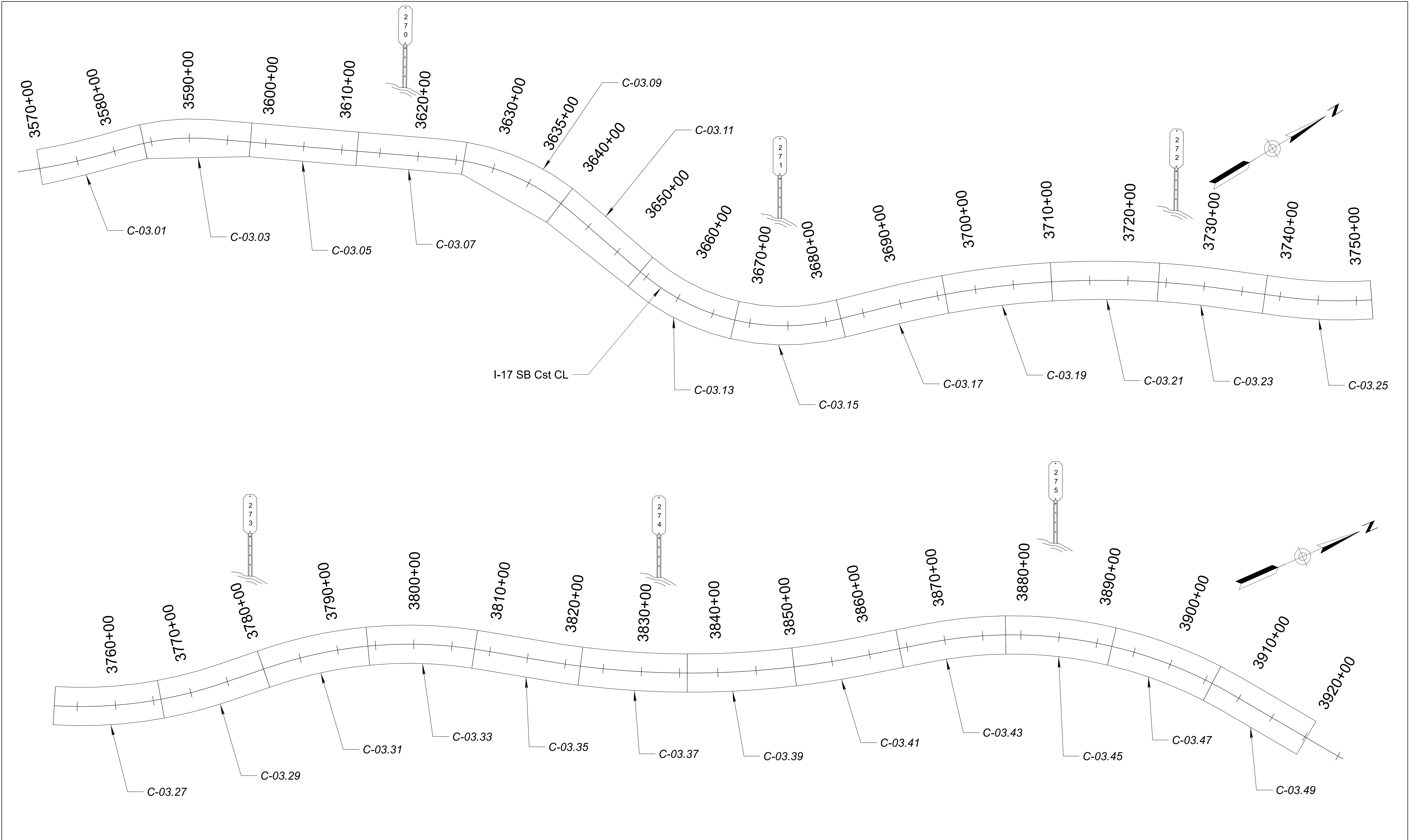
** 783 CY of embankment is included in earthwork for pads at TCB locations along I-17 NB.



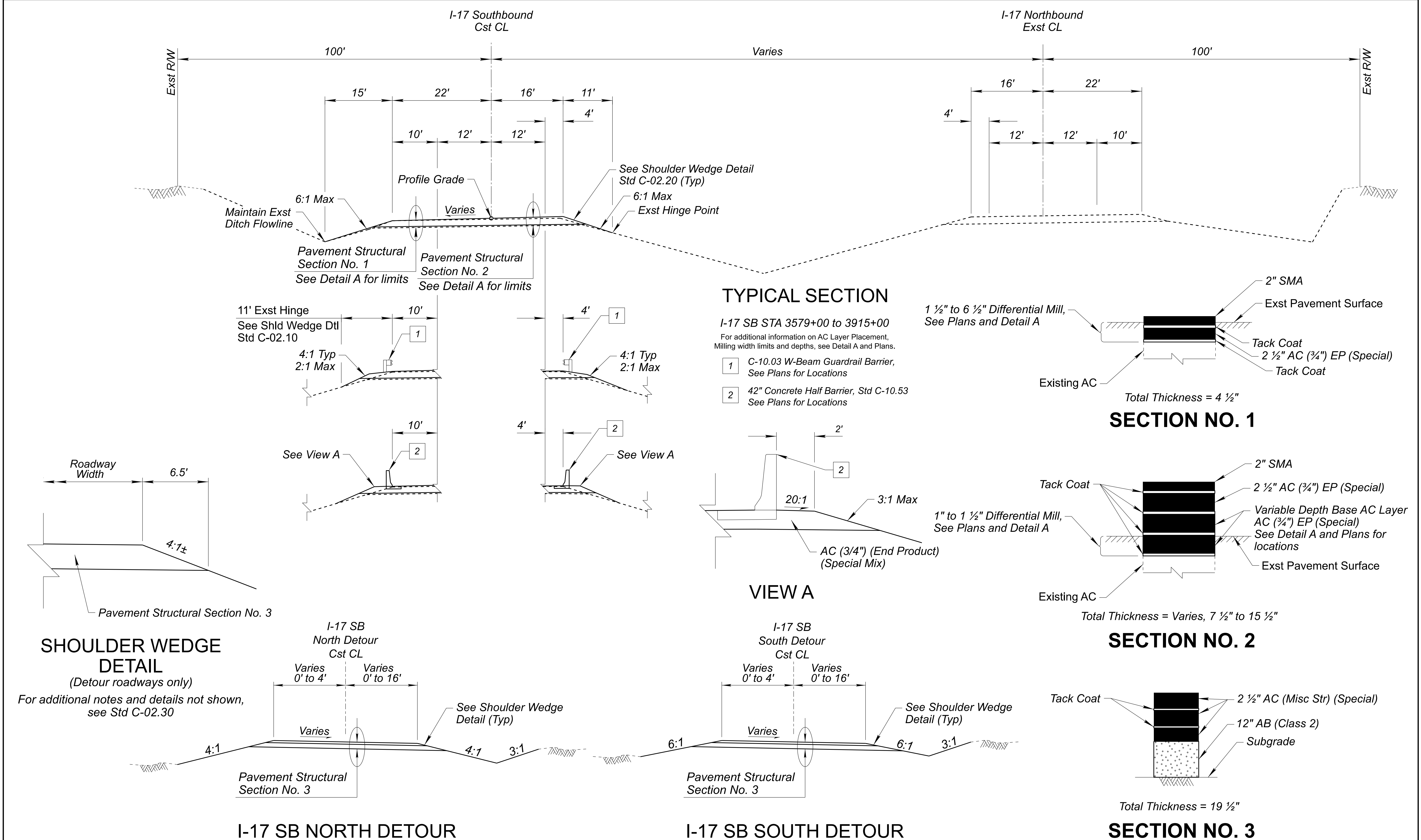
DESIGN	NAME	DATE
BAP		07/26
DRAWN	RM	07/26
CHECKED	KCH	07/26
Stanley Consultants INC. 3133 East Camelback Road, Suite 100 Phoenix, Arizona 85016 Phone: 1602) 333-2200		

ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SERVICES	ROUTE I-17
INDEX OF SHEETS & DESIGN DATA	MILEPOST
	STRUCTURE NO.

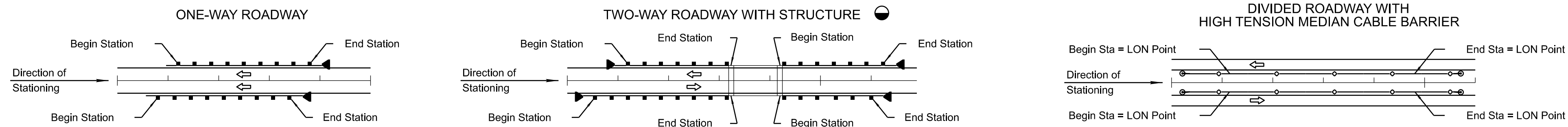
F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. 017 YV 269	FEDERAL ID NO. 017-B(239)T	SHEET NO. 2	TOTAL SHEETS 104	RECORD DRAWING
LOCATION E DUGAS ROAD - MP 275						DWG NO. G-01.01
TRACS NO. F0616 01C						___ OF ___



	DESIGN	BAP	07/26	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SERVICES	ROUTE	I-17	F.H.W.A. Arizona Division	STATE	ARIZ.	PROJECT NO.	017 YV 269	FEDERAL ID NO.	017-B(239)T	SHEET NO.	3	TOTAL SHEETS	104	RECORD DRAWING	
	DRAWN	RM	07/26		MILEPOST			LOCATION E DUGAS ROAD - MP 275										DWG NO. G-01.02	
	CHECKED	KCH	07/26		STRUCTURE NO.		TRACS NO. F0616 01C										___ OF ___		
	KEY MAP																		



 Professional Engineer 41977 KAREN C. HOBBS Arizona U.S.A. Stanley Consultants INC. 3133 East Camelback Road, Suite 100 Phoenix, Arizona 85016 Phone: 1602 333-2200	<table><tr><td></td><td>NAME</td><td>DATE</td></tr><tr><td>DESIGN</td><td>BAP</td><td>07/26</td></tr><tr><td>DRAWN</td><td>RM</td><td>07/26</td></tr><tr><td>CHECKED</td><td>KCH</td><td>07/26</td></tr></table>		NAME	DATE	DESIGN	BAP	07/26	DRAWN	RM	07/26	CHECKED	KCH	07/26	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SERVICES	<table><tr><td>ROUTE</td><td>I-17</td></tr><tr><td>MILEPOST</td><td></td></tr><tr><td>STRUCTURE NO.</td><td></td></tr></table>	ROUTE	I-17	MILEPOST		STRUCTURE NO.		<table><tr><td>F.H.W.A. Arizona Division</td><td>STATE</td><td>PROJECT NO.</td><td>FEDERAL ID NO.</td><td>SHEET NO.</td><td>TOTAL SHEETS</td><td>RECORD DRAWING</td></tr><tr><td></td><td>ARIZ.</td><td>017 YV 269</td><td>017-B(239)T</td><td>4</td><td>104</td><td></td></tr></table>	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING		ARIZ.	017 YV 269	017-B(239)T	4	104	
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	ARIZ.	017 YV 269	017-B(239)T	4	104																															
		TYPICAL SECTION AND PAVEMENT STRUCTURAL SECTIONS		<table><tr><td>LOCATION</td><td>E DUGAS ROAD - MP 275</td><td>DWG NO. G-02.01</td></tr></table>	LOCATION	E DUGAS ROAD - MP 275	DWG NO. G-02.01																													
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THE ZEROS IN PARENTHESES (0.0) INDICATE THE DIMENSIONAL PRECISION FOR THAT COLUMN.

- LENGTH IS FROM LENGTH OF NEED (LON) POINT TO LON POINT. ACTUAL SEGMENT LENGTH VARIES DEPENDING ON TERMINAL TYPE. SEE SPECIAL PROVISIONS.

NOTE: FOR RECORD DRAWING PREPARATION - CIRCLE END TREATMENT INSTALLED.

SEE BRIDGE SHEETS FOR BRIDGE BARRIER DETAILS AND QUANTITIES.

☒ ALLOWABLE END TREATMENT OPTIONS ARE INDICATED WITH THE NUMBER '1' IN THE SPACE. BLANK SPACES ARE NOT VIABLE ALTERNATIVES.

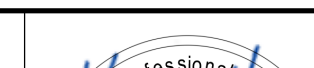
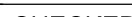
☐ ARRAY TYPE AND ANGLE IS NOTED UNDER 'REMARKS'.

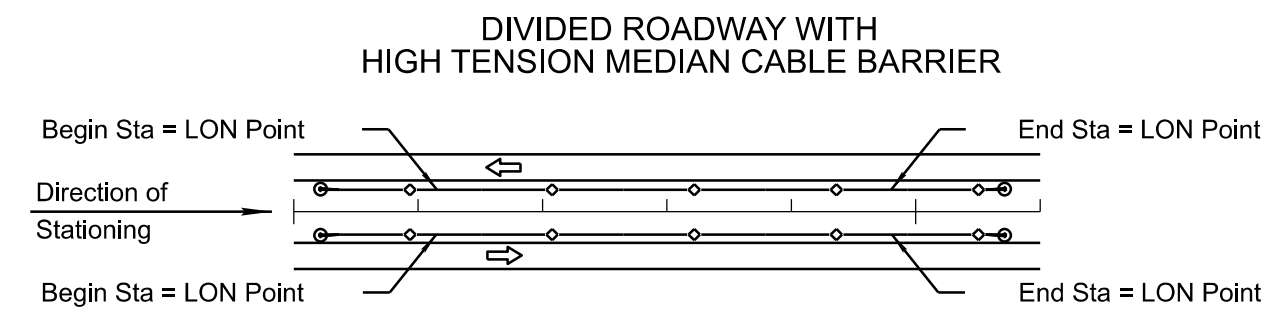
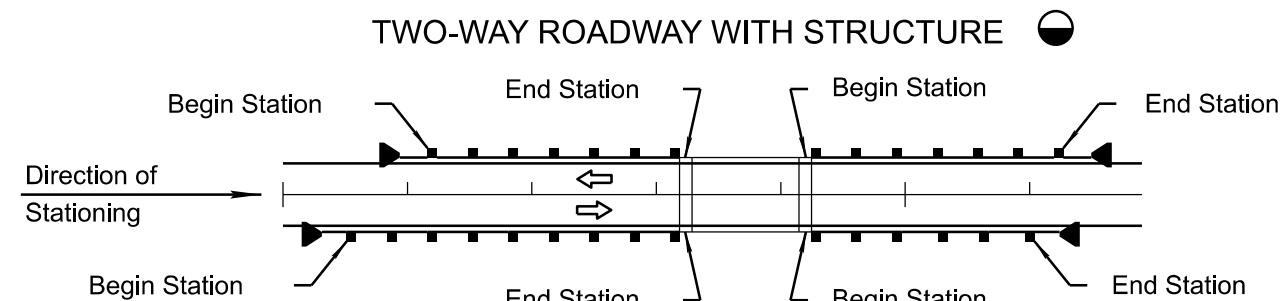
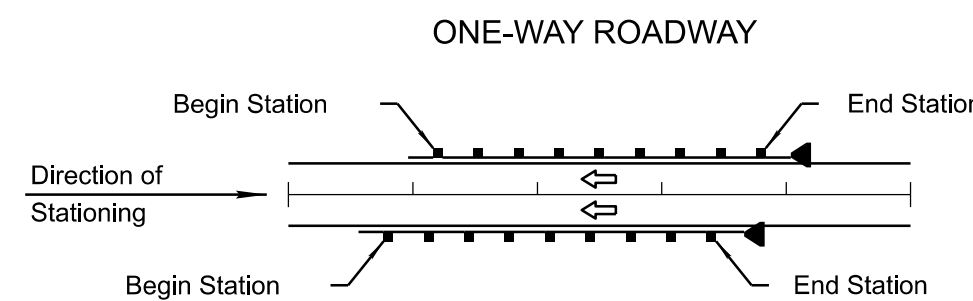
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OMIT 2FT OFFSET FROM ALL GUARDRAIL AND GUARDRAIL END TREATMENTS.
OMIT AGGREGATE BASE AT GUARDRAIL POSTS.

▲ THE CONTRACTOR SHALL REMOVE AND DELIVER UP TO 1,000 LF OF EXISTING GUARDRAIL EXCLUDING HARDWARE AND POSTS AS DIRECTED BY ENGINEER. SEE ITEM 2020072 IN SPECIFICATIONS.

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			NAME	DATE	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SERVICES	ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	DESIGN	BAP	07/26	I-17		ARIZ.		017 YV 269	017-B(239)T	5	104		
	DRAWN	RM	07/26										
	CHECKED	KCH	07/26										
 3133 East Camelback Road, Suite 100 Phoenix, Arizona 85016 Phones: (602) 333-2200		BARRIER SUMMARY SHEET		MILEPOST	E DUGAS ROAD - MP 275								DWG NO. G-03.01
				STRUCTURE NO.	TRACS NO. F0616 01C								OF

[illegible]

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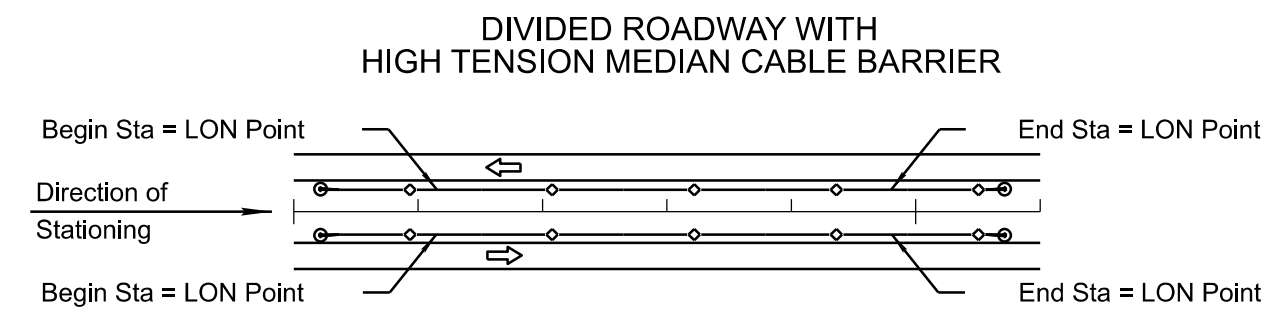
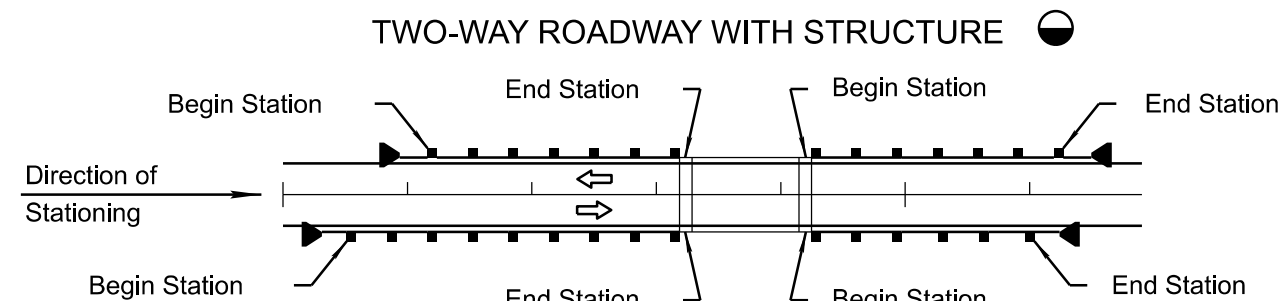
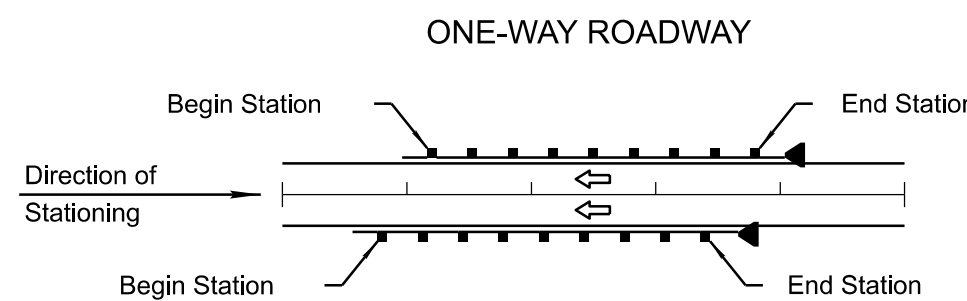
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Begin End		Station (Approximate) (0)		Plan Reference Number		C-10.01 Guardrail Installation		C-10.03 (Timber Post)		C-10.04 (Steel Post)		Detail		Length (Linear Feet) (0.0)		C-10.06 Long Span		C-10.07 Box Culvert Post (Each)		Shop Curved Guardrail Length (Linear Feet) (0.0)		Reconstruct-Exst Post, Block Length (Linear Feet) (0.0)		Reconstruct-New Post, Block Length (Linear Feet) (0.0)		Remove and Salvage Length (Linear Feet) (0.0)		Construct from Salvage Length (Linear Feet) (0.0)		Remove Length (Linear Feet) (0.0)		Length (Linear Feet) (0.0)		C-10.40 (32" Median)		C-10.41 (42" Median)		C-10.50 (32" Median)		C-10.54 (32" Half)		C-10.55 (42" Half at Piers)		C-10.53 with Gutter		Remove Existing Length (Linear Feet) (0.0)		High-Tension Cable Barrier Length (Linear Feet) (0.0)		C-12.30 Chain-Link Cable Barrier Length (Linear Feet) (0)		Begin = Treatment at Beginning		End = Treatment at End		C-10.30 (Wood Post)		C-10.31 (Steel Post)		C-10.74 43" to 32"		Detail		Tangent C-10.20 thru C-10.24		Flared C-10.26		End Anchor C-10.26		High-Tension Cable Barrier Length (Linear Feet) (0.0)		Begin = Treatment at Beginning		End = Treatment at End		C-10.30 (Wood Post)		C-10.31 (Steel Post)		C-10.74 43" to 32"		Detail		Tangent C-10.20 thru C-10.24		Flared C-10.26		End Anchor C-10.26		High-Tension Cable Barrier Length (Linear Feet) (0.0)		Begin = Treatment at Beginning		End = Treatment at End		C-10.30 (Wood Post)		C-10.31 (Steel Post)		C-10.74 43" to 32"		Detail		Tangent C-10.20 thru C-10.24		Flared C-10.26		End Anchor C-10.26		High-Tension Cable Barrier Length (Linear Feet) (0.0)		Begin = Treatment at Beginning		End = Treatment at End		C-10.30 (Wood Post)		C-10.31 (Steel Post)		C-10.74 43" to 32"		Detail		Tangent C-10.20 thru C-10.24		Flared C-10.26		End Anchor C-10.26		High-Tension Cable Barrier Length (Linear Feet) (0.0)		Begin = Treatment at Beginning		End = Treatment at End		C-10.30 (Wood Post)		C-10.31 (Steel Post)		C-10.74 43" to 32"		Detail		Tangent C-10.20 thru C-10.24		Flared C-10.26		End Anchor C-10.26		High-Tension Cable Barrier Length (Linear Feet) (0.0)		Begin = Treatment at Beginning		End = Treatment at End		C-10.30 (Wood Post)		C-10.31 (Steel Post)		C-10.74 43" to 32"		Detail		Tangent C-10.20 thru C-10.24		Flared C-10.26		End Anchor C-10.26		High-Tension Cable Barrier Length (Linear Feet) (0.0)		Begin = Treatment at Beginning		End = Treatment at End		C-10.30 (Wood Post)		C-10.31 (Steel Post)		C-10.74 43" to 32"		Detail		Tangent C-10.20 thru C-10.24		Flared C-10.26		End Anchor C-10.26		High-Tension Cable Barrier Length (Linear Feet) (0.0)		Begin = Treatment at Beginning		End = Treatment at End		C-10.30 (Wood Post)		C-10.31 (Steel Post)		C-10.74 43" to 32"		Detail		Tangent C-10.20 thru C-10.24		Flared C-10.26		End Anchor C-10.26		High-Tension Cable Barrier Length (Linear Feet) (0.0)		Begin = Treatment at Beginning		End = Treatment at End		C-10.30 (Wood Post)		C-10.31 (Steel Post)		C-10.74 43" to 32"		Detail		Tangent C-10.20 thru C-10.24		Flared C-10.26		End Anchor C-10.26		High-Tension Cable Barrier Length (Linear Feet) (0.0)		Begin = Treatment at Beginning		End = Treatment at End		C-10.30 (Wood Post)		C-10.31 (Steel Post)		C-10.74 43" to 32"		Detail		Tangent C-10.20 thru C-10.24		Flared C-10.26		End Anchor C-10.26		High-Tension Cable Barrier Length (Linear Feet) (0.0)		Begin = Treatment at Beginning		End = Treatment at End		C-10.30 (Wood Post)		C-10.31 (Steel Post)		C-10.74 43" to 32"		Detail		Tangent C-10.20 thru C-10.24		Flared C-10.26		End Anchor C-10.26		High-Tension Cable Barrier Length (Linear Feet) (0.0)		Begin = Treatment at Beginning		End = Treatment at End		C-10.30 (Wood Post)		C-10.31 (Steel Post)		C-10.74 43" to 32"		Detail		Tangent C-10.20 thru C-10.24		Flared C-10.26		End Anchor C-10.26		High-Tension Cable Barrier Length (Linear Feet) (0.0)		Begin = Treatment at Beginning		End = Treatment at End		C-10.30 (Wood Post)		C-10.31 (Steel Post)		C-10.74 43" to 32"		Detail		Tangent C-10.20 thru C-10.24		Flared C-10.26		End Anchor C-10.26		High-Tension Cable Barrier Length (Linear Feet) (0.0)		Begin = Treatment at Beginning		End = Treatment at End		C-10.30 (Wood Post)		C-10.31 (Steel Post)		C-10.74 43" to 32"		Detail		Tangent C-10.20 thru C-10.24		Flared C-10.26		End Anchor C-10.26		High-Tension Cable Barrier Length (Linear Feet) (0.0)		Begin = Treatment at Beginning		End = Treatment at End		C-10.30 (Wood Post)		C-10.31 (Steel Post)		C-10.74 43" to 32"		Detail		Tangent C-10.20 thru C-10.24		Flared C-10.26		End Anchor C-10.26		High-Tension Cable Barrier Length (Linear Feet) (0.0)		Begin = Treatment at Beginning		End = Treatment at End		C-10.30 (Wood Post)		C-10.31 (Steel Post)		C-10.74 43" to 32"		Detail		Tangent C-10.20 thru C-10.24		Flared C-10.26		End Anchor C-10.26		High-Tension Cable Barrier Length (Linear Feet) (0.0)		Begin = Treatment at Beginning		End = Treatment at End		C-10.30 (Wood Post)		C-10.31 (Steel Post)		C-10.74 43" to 32"		Detail		Tangent C-10.20 thru C-10.24		Flared C-10.26		End Anchor C-10.26		High-Tension Cable Barrier Length (Linear Feet) (0.0)		Begin = Treatment at Beginning		End = Treatment at End		C-10.30 (Wood Post)		C-10.31 (Steel Post)		C-10.74 43" to 32"		Detail		Tangent C-10.20 thru C-10.24		Flared C-10.26		End Anchor C-10.26		High-Tension Cable Barrier Length (Linear Feet) (0.0)		Begin = Treatment at Beginning		End = Treatment at End		C-10.30 (Wood Post)		C-10.31 (Steel Post)		C-10.74 43" to 32"		Detail		Tangent C-10.20 thru C-10.24		Flared C-10.26		End Anchor C-10.26		High-Tension Cable Barrier Length (Linear Feet) (0.0)		Begin = Treatment at Beginning		End = Treatment at End		C-10.30 (Wood Post)		C-10.31 (Steel Post)		C-10.74 43" to 32"		Detail		Tangent C-10.20 thru C-10.24		Flared C-10.26		End Anchor C-10.26		High-Tension Cable Barrier Length (Linear Feet) (0.0)		Begin = Treatment at Beginning		End = Treatment at End		C-10.30 (Wood Post)		C-10.31 (Steel Post)		C-10.74 43" to 32"		Detail		Tangent C-10.20 thru C-10.24		Flared C-10.26		End Anchor C-10.26		High-Tension Cable Barrier Length (Linear Feet) (0.0)		Begin = Treatment at Beginning		End = Treatment at End		C-10.30 (Wood Post)		C-10.31 (Steel Post)		C-10.74 43" to 32"		Detail		Tangent C-10.20 thru C-10.24		Flared C-10.26		End Anchor C-10.26		High-Tension Cable Barrier Length (Linear Feet) (0.0)		Begin = Treatment at Beginning		End = Treatment at End		C-10.30 (Wood Post)		C-10.31 (Steel Post)		C-10.74 43" to 32"		Detail		Tangent C-10.20 thru C-10.24		Flared C-10.26		End Anchor C-10.26		High-Tension Cable Barrier Length (Linear Feet) (0.0)		Begin = Treatment at Beginning		End = Treatment at End		C-10.30 (Wood Post)		C-10.31 (Steel Post)		C-10.74 43" to 32"		Detail		Tangent C-10.20 thru C-10.24		Flared C-10.26		End Anchor C-10.26		High-Tension Cable Barrier Length (Linear Feet) (0.0)		Begin = Treatment at Beginning		End = Treatment at End		C-10.30 (Wood Post)		C-10.31 (Steel Post)		C-10.74 43" to 32"		Detail		Tangent C-10.20 thru C-10.24		Flared C-10.26		End Anchor C-10.26		High-Tension Cable Barrier Length (Linear Feet) (0.0)		Begin = Treatment at Beginning		End = Treatment at End		C-10.30 (Wood Post)		C-10.31 (Steel Post)		C-10.74 43" to 32"		Detail		Tangent C-10.20 thru C-10.24		Flared C-10.26		End Anchor C-10.26		High-Tension Cable Barrier Length (Linear Feet) (0.0)		Begin = Treatment at Beginning		End = Treatment at End		C-10.30 (Wood Post)		C-10.31 (Steel Post)		C-10.74 43" to 32"		Detail		Tangent C-10.20 thru C-10.24		Flared C-10.26		End Anchor C-10.26		High-Tension Cable Barrier Length (Linear Feet) (0.0)		Begin = Treatment at Beginning		End = Treatment at End		C-10.30 (Wood Post)		C-10.31 (Steel Post)		C-10.74 43" to 32"		Detail		Tangent C-10.20 thru C-10.24		Flared C-10.26		End Anchor C-10.26		High-Tension Cable Barrier Length (Linear Feet) (0.0)		Begin = Treatment at Beginning		End = Treatment at End		C-10.30 (Wood Post)		C-10.31 (Steel Post)		C-10.74 43" to 32"		Detail		Tangent C-10.20 thru 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C-10.24		Flared C-10.26		End Anchor C-10.26		High-Tension Cable Barrier Length (Linear Feet) (0.0)		Begin = Treatment at Beginning		End = Treatment at End		C-10.30 (Wood Post)		C-10.31 (Steel Post)		C-10.74 43" to 32"		Detail		Tangent C-10.20 thru C-10.24		Flared C-10.26		End Anchor C-10.26		High-Tension Cable Barrier Length (Linear Feet) (0.0)		Begin = Treatment at Beginning		End = Treatment at End		C-10.30 (Wood Post)		C-10.31 (Steel Post)		C-10.74 43" to 32"		Detail		Tangent C-10.20 thru C-10.24		Flared C-10.26		End Anchor C-10.26		High-Tension Cable Barrier Length (Linear Feet) (0.0)		Begin = Treatment at Beginning		End = Treatment at End		C-10.30 (Wood Post)		C-10.31 (Steel Post)		C-10.74 43" to 32"		Detail		Tangent C-10.20 thru C-10.24		Flared C-10.26		End Anchor C-10.26		High-Tension Cable Barrier Length (Linear Feet) (0.0)		Begin = Treatment at Beginning		End = Treatment at End		C-10.30 (Wood Post)		C-10.31 (Steel Post)		C-10.74 43" to 32"		Detail		Tangent C-10.20 thru 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C-10.24		Flared C-10.26		End Anchor C-10.26		High-Tension Cable Barrier Length (Linear Feet) (0.0)		Begin = Treatment at Beginning		End = Treatment at End		C-10.30 (Wood Post)		C-10.31 (Steel Post)		C-10.74 43" to 32"		Detail		Tangent C-10.20 thru C-10.24		Flared C-10.26		End Anchor C-10.26		High-Tension Cable Barrier Length (Linear Feet) (0.0)		Begin = Treatment at Beginning		End = Treatment at End		C-10.30 (Wood Post)		C-10.31 (Steel Post)		C-10.74 43" to 32"		Detail		Tangent C-10.20 thru C-10.24		Flared C-10.26		End Anchor C-10.26		High-Tension Cable Barrier Length (Linear Feet) (0.0)		Begin = Treatment at Beginning		End = Treatment at End		C-10.30 (Wood Post)		C-10.31 (Steel Post)		C-10.74 43" to 32"		Detail		Tangent C-10.20 thru C-10.24		Flared C-10.26		End Anchor C-10.26		High-Tension Cable Barrier Length (Linear Feet) (0.0)		Begin = Treatment at Beginning		End = Treatment at End		C-10.30 (Wood Post)		C-10.31 (Steel Post)		C-10.74 43" to 32"		Detail		Tangent C-10.20 thru C-10.24		Flared C-10.26		End Anchor C-10.26		High-Tension Cable Barrier Length (Linear Feet) (0.0)		Begin = Treatment at Beginning		End = Treatment at End		C-10.30 (Wood Post)		C-10.31 (Steel Post)		C-10.74 43" to 32"		Detail		Tangent C-10.20 thru C-10.24		Flared C-10.26		End Anchor C-10.26		High-Tension Cable Barrier Length (Linear Feet) (0.0)		Begin = Treatment at Beginning		End = Treatment at End		C-10.30 (Wood Post)		C-10.31 (Steel Post)		C-10.74 43" to 32"		Detail		Tangent C-10.20 thru C-10.24		Flared C-10.26		End Anchor C-10.26		High-Tension Cable Barrier Length (Linear Feet) (0.0)		Begin = Treatment at Beginning		End = Treatment at End		C-10.30 (Wood Post)		C-10.31 (Steel Post)		C-10.74 43" to 32"		Detail		Tangent C-10.20 thru C-10.24		Flared C-10.26		End Anchor C-10.26		High-Tension Cable Barrier Length (Linear Feet) (0.0)		Begin = Treatment at Beginning		End = Treatment at End		C-10.30 (Wood Post)		C-10.31 (Steel Post)		C-10.74 43" to 32"		Detail		Tangent C-10.20 thru 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THE ZEROS IN PARENTHESES (0.0) INDICATE THE DIMENSIONAL PRECISION FOR THAT COLUMN.

● LENGTH IS FROM LENGTH OF NEED (LON) POINT TO LON POINT. ACTUAL SEGMENT LENGTH VARIES DEPENDING ON TERMINAL TYPE. SEE SPECIAL PROVISIONS.

NOTE: FOR RECORD DRAWING PREPARATION - CIRCLE END TREATMENT INSTALLED.

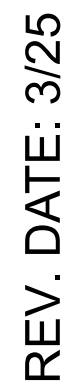
● SEE BRIDGE SHEETS FOR BRIDGE BARRIER DETAILS AND QUANTITIES.

☒ ALLOWABLE END TREATMENT OPTIONS ARE INDICATED WITH THE NUMBER '1' IN THE SPACE. BLANK SPACES ARE NOT VIABLE ALTERNATIVES.

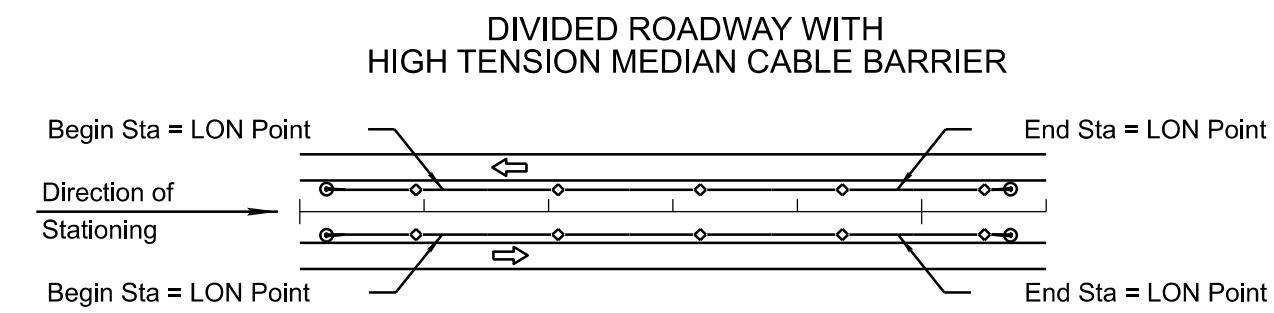
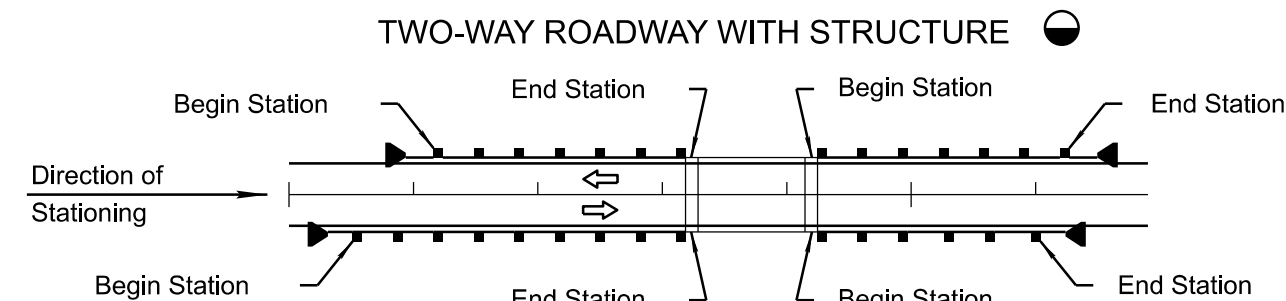
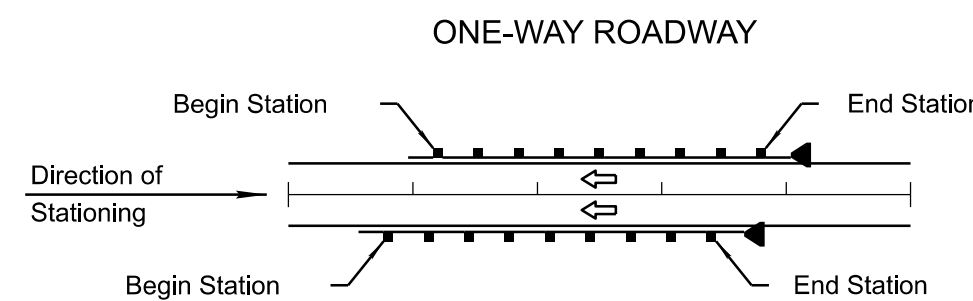
■ ARRAY TYPE AND ANGLE IS NOTED UNDER 'REMARKS'.

OMIT 2FT OFFSET FROM ALL GUARDRAIL AND GUARDRAIL END TREATMENTS.
OMIT AGGREGATE BASE AT GUARDRAIL POSTS.

▲ THE CONTRACTOR SHALL REMOVE AND DELIVER UP TO 1,000 LF OF EXISTING GUARDRAIL EXCLUDING HARDWARE AND POSTS AS DIRECTED BY ENGINEER. SEE ITEM 2020072 IN SPECIFICATIONS.



10594 10/3/2025 7:46:25 PM c:\projects\datasource-1\common\d1299342\f0616_bs04.dgn \ Model Name: f0616_bs04



Begin End		Station (Approximate) (0)		Plan Reference Number		C-10.01 Guardrail Installation		C-10.03 (Timber Post) Detail		C-10.04 (Steel Post) Detail		Length (Linear Feet) (0.0)		C-10.06 Long Span		C-10.07 Box Culvert Post (Each) Length (Linear Feet)		Reconstruct Exst Post, Block Length (Linear Feet) (0.0)		Reconstruct-New Post, Block Length (Linear Feet) (0.0)		Remove and Salvage Length (Linear Feet) (0.0)		Construct from Salvage Length (Linear Feet) (0.0)		Remove Length (Linear Feet) (0.0)		Length (Linear Feet) (0.0)		C-10.40 (32" Median)		C-10.41 (42" Median)		C-10.50 (32" Median)		C-10.54 (32" Half)		C-10.55 (42" Half at Piers) Detail C-10.53 with Gutter		Remove Existing Length (Linear Feet) (0.0)		High-Tension Cable Barrier Length (Linear Feet) (0.0)		C-12.30 Chain-Link Cable Barrier Length (Linear Feet) (0)		Begin = Treatment at Beginning End = Treatment at End		C-10.30 (Wood Post)		C-10.31 (Steel Post)		C-10.73 43" to 32"		C-10.74 42" to 32"		Detail		Tangent C-10.20 thru C-10.24		Flared C-10.26		End Anchor C-10.08 or Detail		High-Tension Cable Terminal Attenuator Detail		Reconstruct (See Special Piv)		Remove and Salvage		Remove		Tangent		Flared		End Anchor C-10.08 or Detail		High-Tension Cable Terminal Sand Barrels C-1 or Detail		Attenuator Detail BCT (L=12.5')		REMARKS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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NOTE: FOR RECORD DRAWING PREPARATION - CIRCLE END TREATMENT INSTALLED.

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OMIT 2FT OFFSET FROM ALL GUARDRAIL AND GUARDRAIL END TREATMENTS.
OMIT AGGREGATE BASE AT GUARDRAIL POSTS.

▲ THE CONTRACTOR SHALL REMOVE AND DELIVER UP TO 1,000 LF OF EXISTING GUARDRAIL EXCLUDING HARDWARE AND POSTS AS DIRECTED BY ENGINEER. SEE ITEM 2020072 IN SPECIFICATIONS.



	NAME	DATE
DESIGN	BAP	07/26
DRAWN	RM	07/26
CHECKED	KCH	07/26


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ARIZONA DEPARTMENT OF TRANSPORTATION
PROJECT DELIVERY AND OPERATIONS DIVISION
ROADWAY DESIGN SERVICES

BARRIER SUMMARY SHEET

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
I-17		ARIZ.	017 YV 269	017-B(239)T	9	104	
MILEPOST	LOCATION E DUGAS ROAD - MP 275						DWG NO. G-03.05
STRUCTURE NO.	TRACS NO. F0616 01C		____ OF ____				

NOTE:
FOR PIPE CULVERT PLACEMENT SEE
STANDARD DRAWINGS C-13.10 AND C-13.15

N	N	C	C
R	R	H	P
C	C	D	P
P	P	P	P

- | | | | |
|---------|--|-----|----------------------------|
| CSP | - CORRUGATED STEEL PIPE | CAP | - CORRUGATED ALUMINUM PIPE |
| RCP | - REINFORCED CONCRETE PIPE | | |
| NRCP | - NON-REINFORCED CONCRETE PIPE | | |
| NRCIPCP | - NON-REINFORCED CAST-IN-PLACE CONCRETE PIPE | | |
| CHDPEP | - CORRUGATED HIGH-DENSITY POLYETHYLENE PIPE | | |
| CPPP | - CORRUGATED POLYPROPYLENE PIPE | | |

[illegible]

☑ PIPE CORRUGATION			
A	2 $\frac{2}{3}$ x1 $\frac{1}{2}$	D	6x2
B	3x1	E	3x1 or 9x2 $\frac{1}{2}$
C	9x2 $\frac{1}{2}$		

○ END SECTION INSTALLED AFTER REMOVAL
OF TEMPORARY PIPE

	NAME	DATE
DESIGN	RVV	07/26
DRAWN	RM	07/26
CHECKED	CAD	07/26


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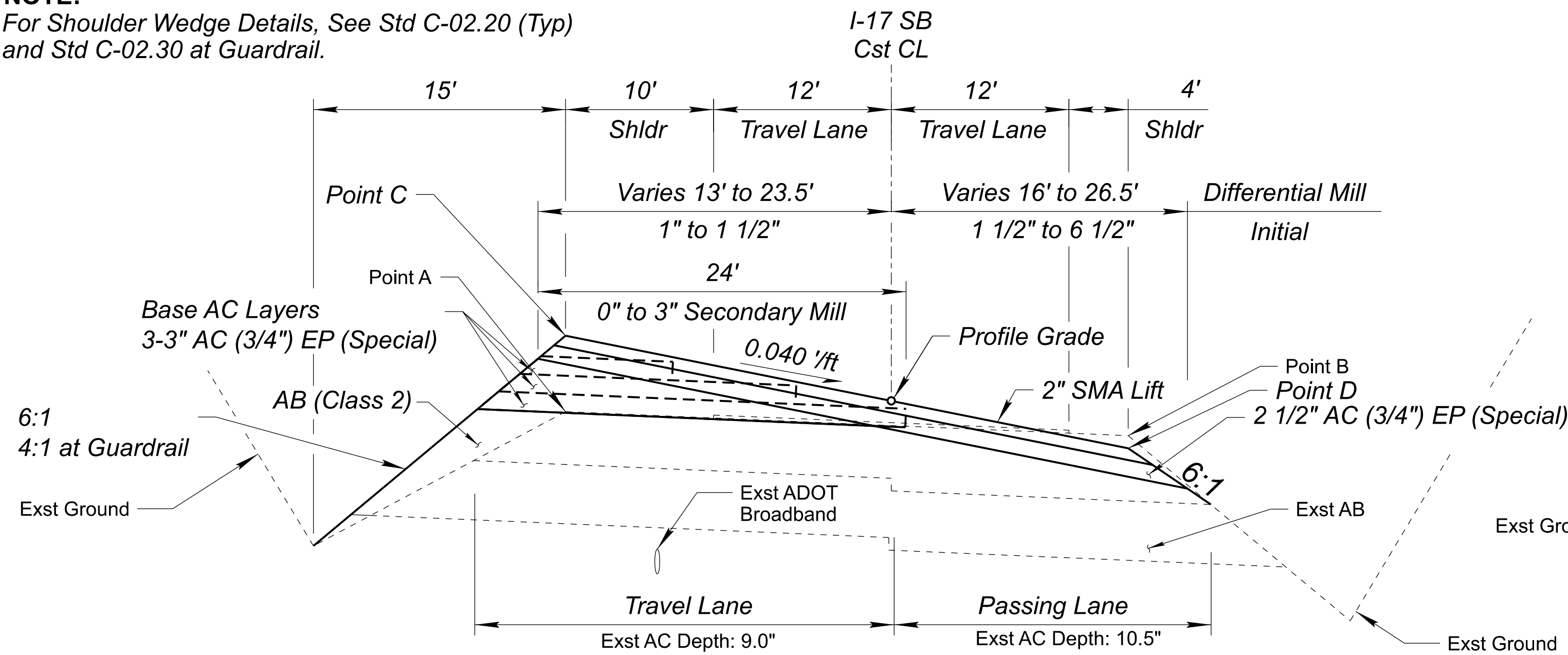
ARIZONA DEPARTMENT OF TRANSPORTATION
PROJECT DELIVERY AND OPERATIONS DIVISION
ROADWAY DESIGN SERVICES

NEW PIPE SUMMARY SHEET

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
I-17		ARIZ.	017 YV 269	017-B(239)T	10	104	
MILEPOST	LOCATION E DUGAS ROAD - MP 275						DWG NO. G-04.01
STRUCTURE NO.	TRACS NO. F0616 01C		OF				

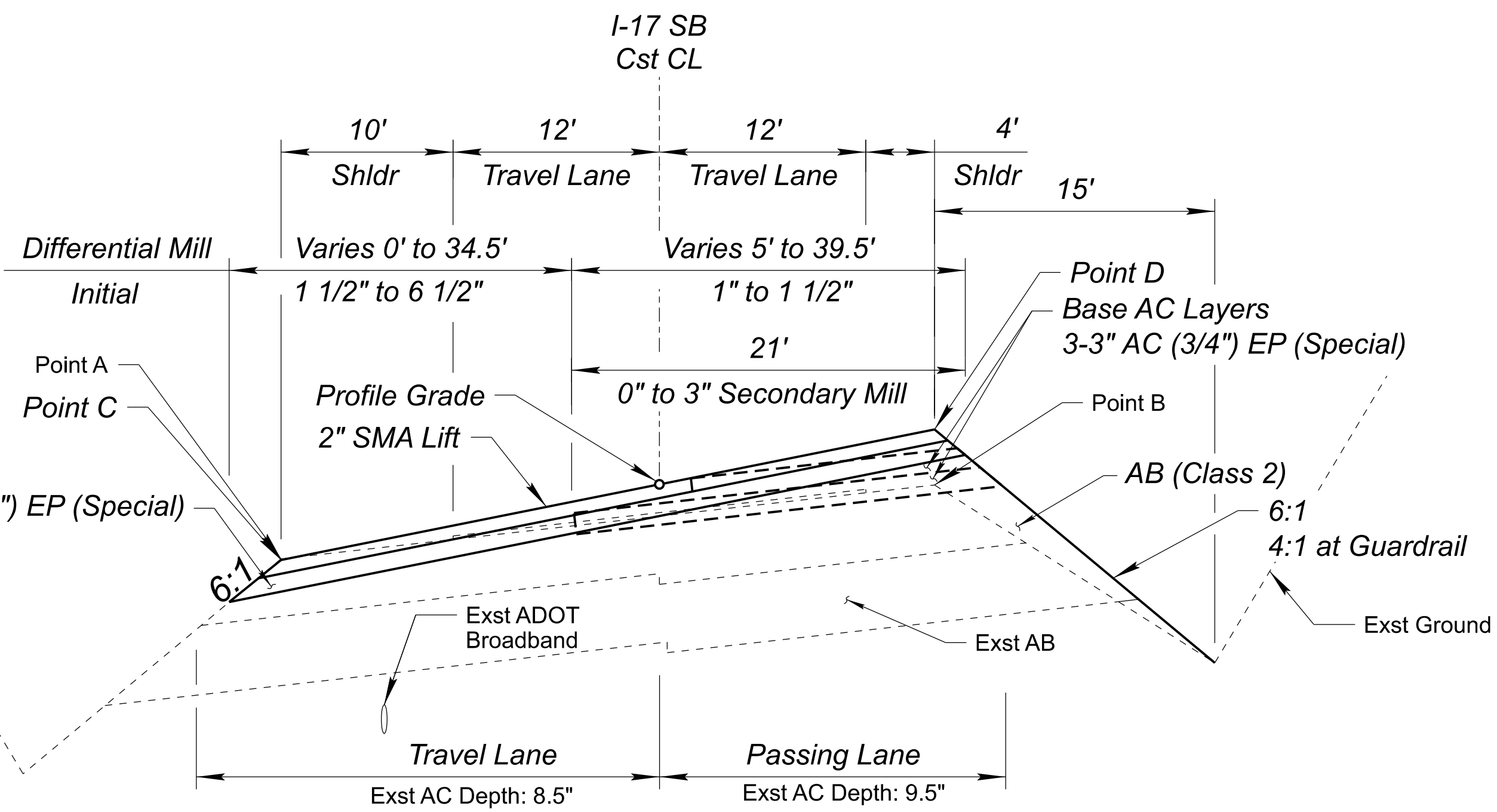
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NOTE:
For Shoulder Wedge Details, See Std C-02.20 (Typ)
and Std C-02.30 at Guardrail.



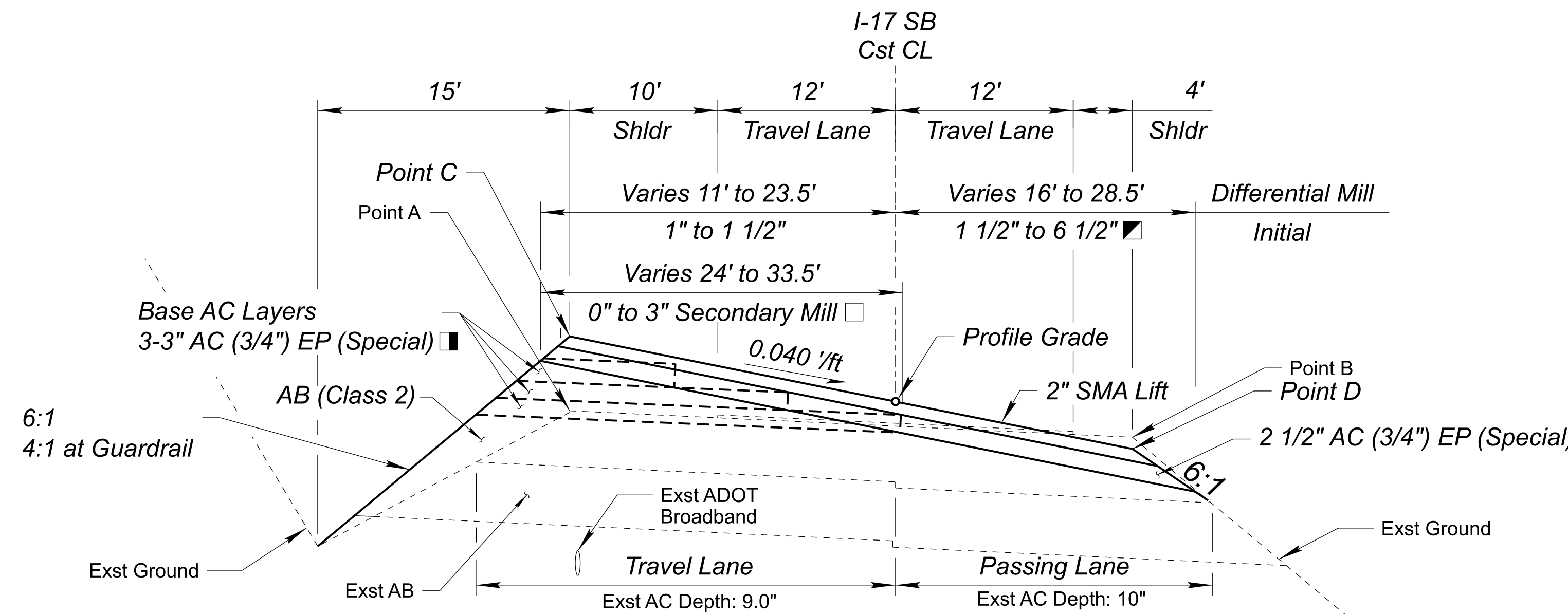
SECTION

Sta 3580+96.17 to 3594+28.52 (Curve SB1)



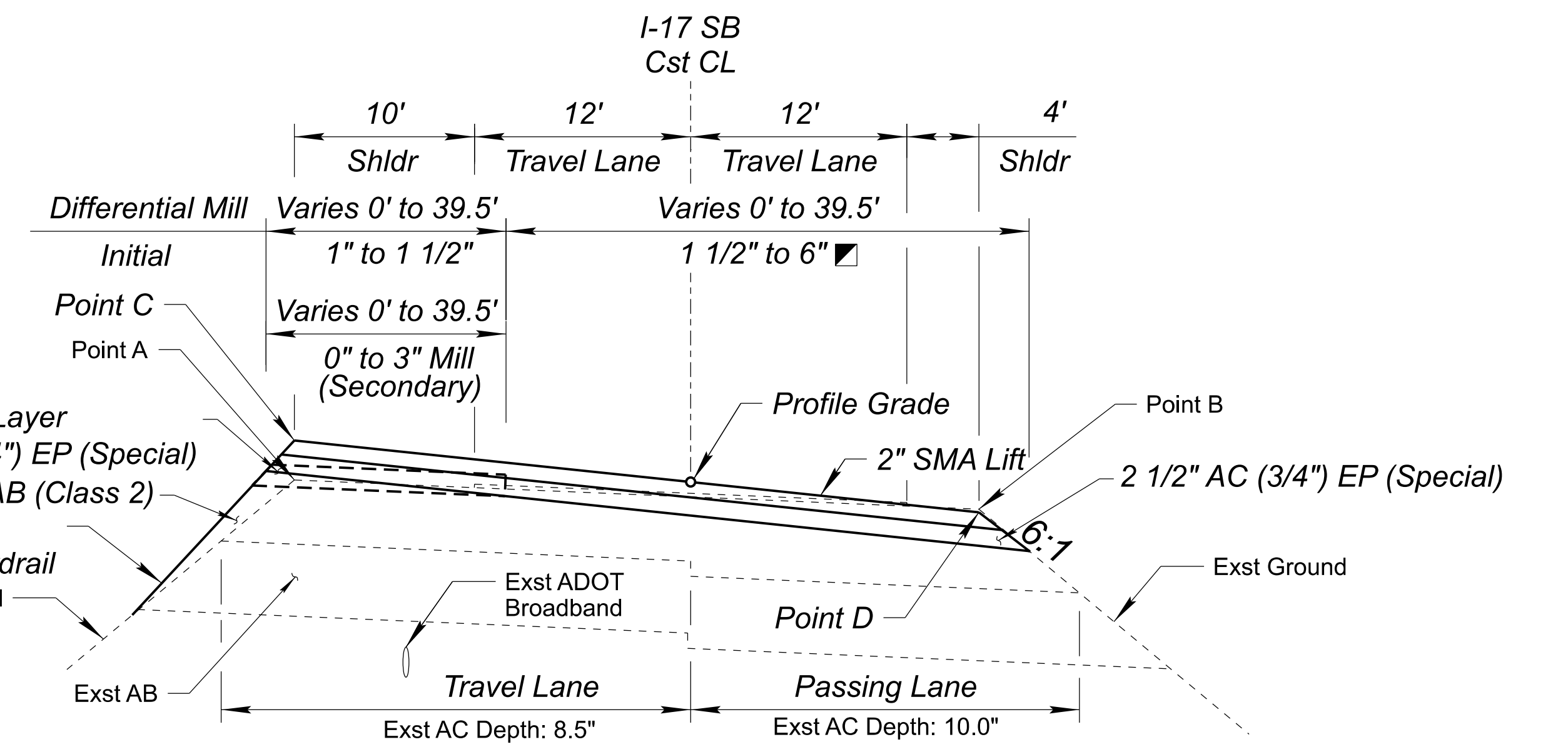
SECTION

Sta 3652+55.03 to 3683+09.21 (Curve SB3)



SECTION

Sta 3622+06.35 to 3643+52.00 (Curve SB2)



SECTION

Sta 3688+44.55 to 3732+05.58 (Curve SB4)

- Sta 3630+60 to 3637+00 4" AC (3/4") EP (Special)
□ Sta 3630+60 to 3637+00 0" to 4" Mill
■ Sta 3640+00 to 3643+50 1 1/2" to 4 1/2" Differential Mill

- Sta 3688+44.55 to 3703+60 1 1/2" to 6 1/2" Differential Mill

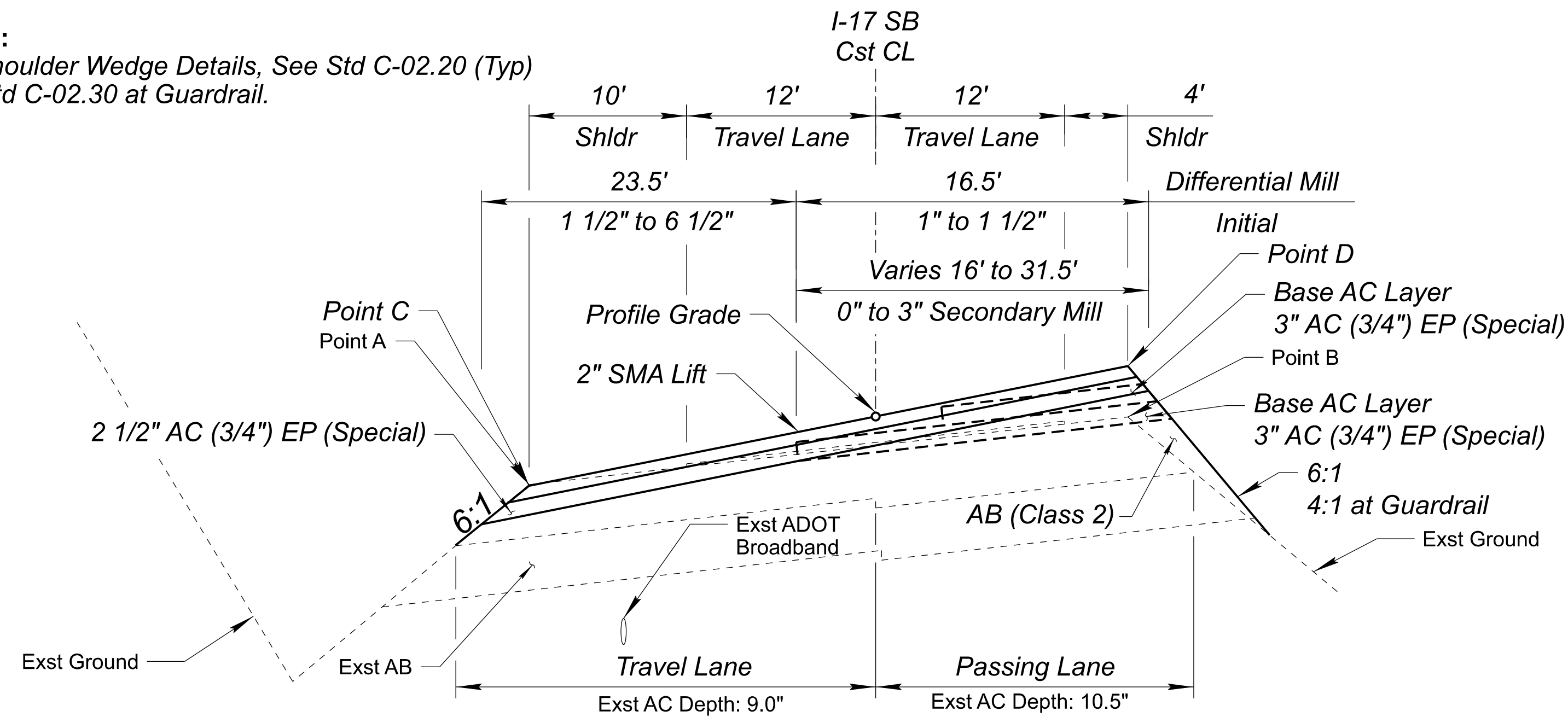
- NOTES:**
1. See profile sheets for additional information on points A through D.
2. After secondary mill, the top 2 lifts of pavement including 2" SMA and 2 1/2" AC (3/4") EP (Special) shall be placed with uniform thickness across roadway in uniform operation.

DETAIL A

BASE AC PLACEMENT & SECONDARY MILL
SHEET 1 OF 2

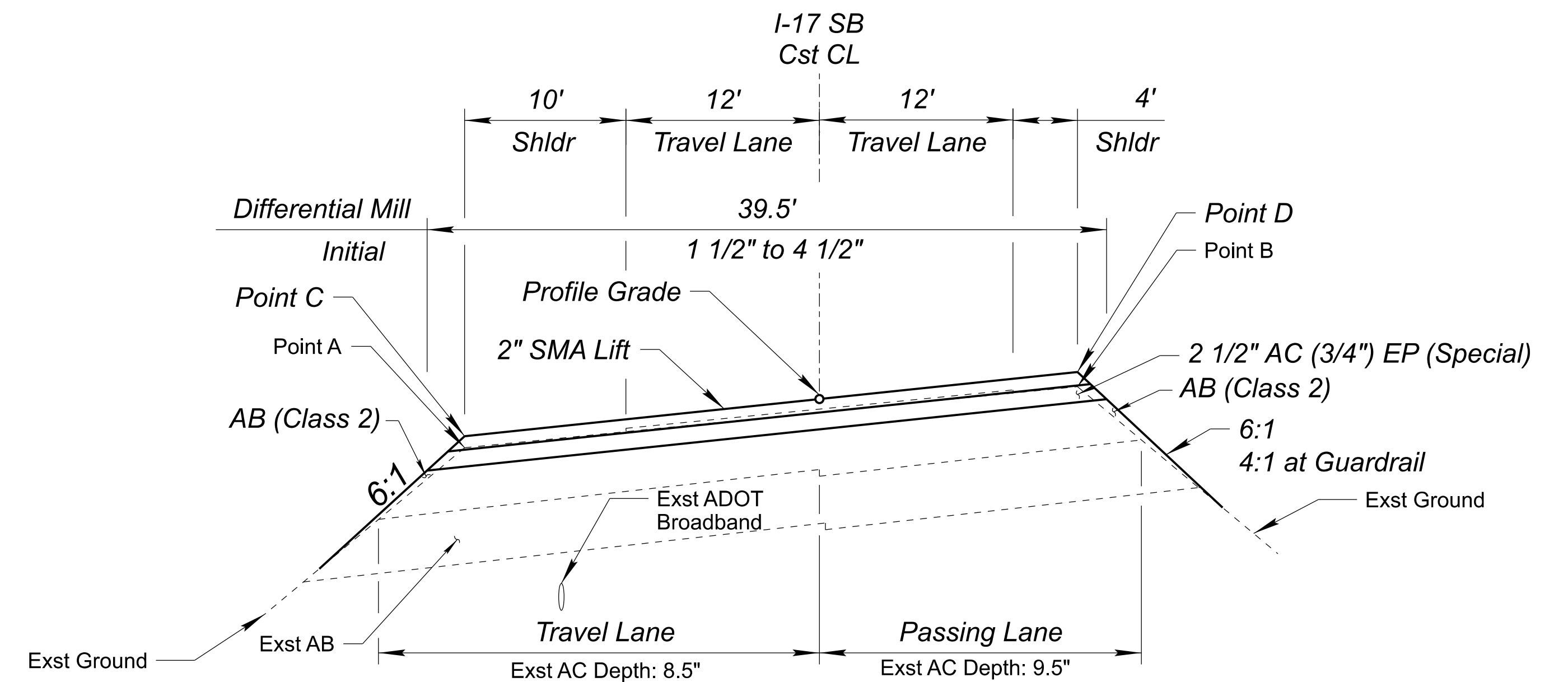
	DESIGN	NAME	DATE	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SERVICES				ROUTE	F.H.W.A. Arizona Division		STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	DRAWN	RM	07/26	DETAIL A BASE AC PLACEMENT & SECONDARY MILL SHEET 1 OF 2				MILEPOST	LOCATION		ARIZ.	017 YV 269	017-B(239)T	12	104	
	CHECKED	KCH	07/26					STRUCTURE NO.	TRACS NO. F0616 01C					DWG NO. G-06.01		
														OF		

NOTE:
*For Shoulder Wedge Details, See Std C-02.20 (Typ)
and Std C-02.30 at Guardrail.*

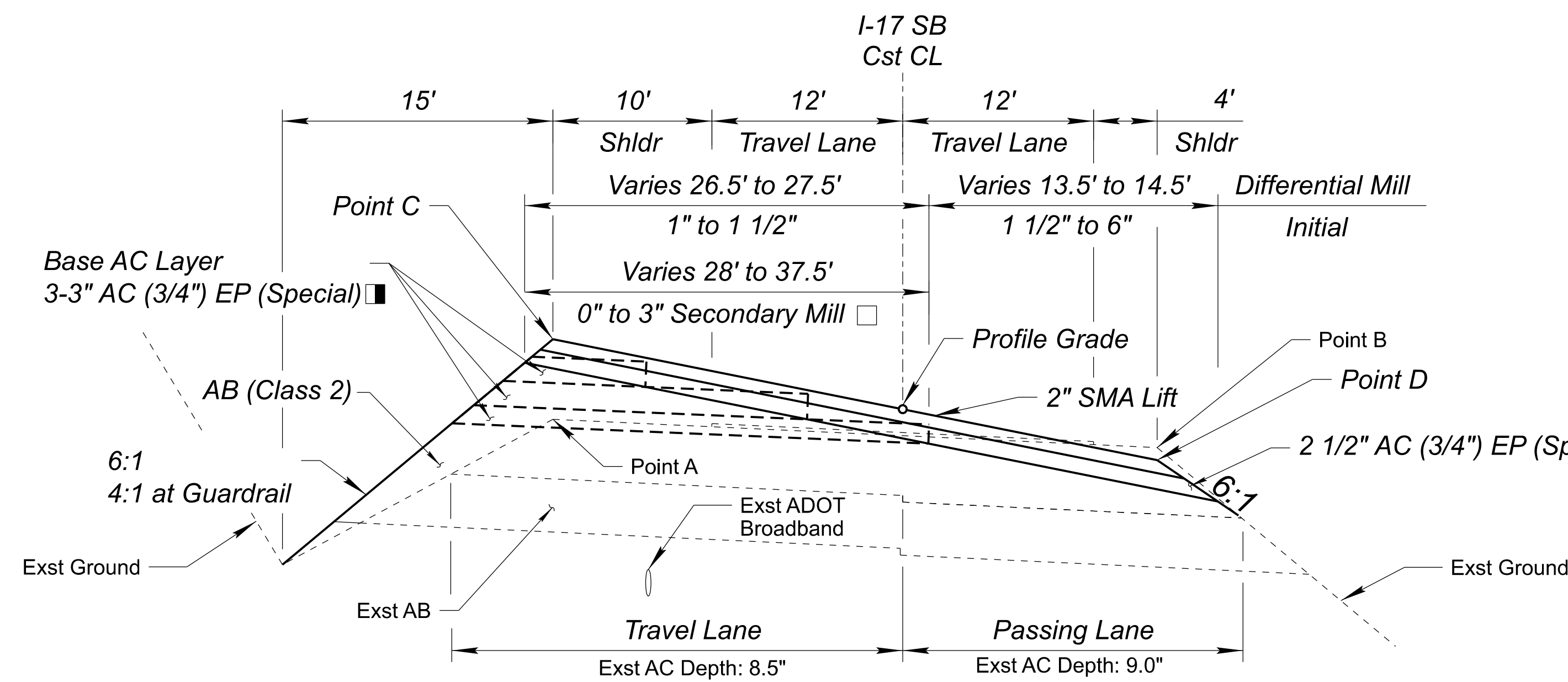


SECTION

Sta 3740+39.00 to 3774+45.61 (Curve SB5)



SECTION
Sta 3817+15.07 to 3858+84.97 (Curve SB7)

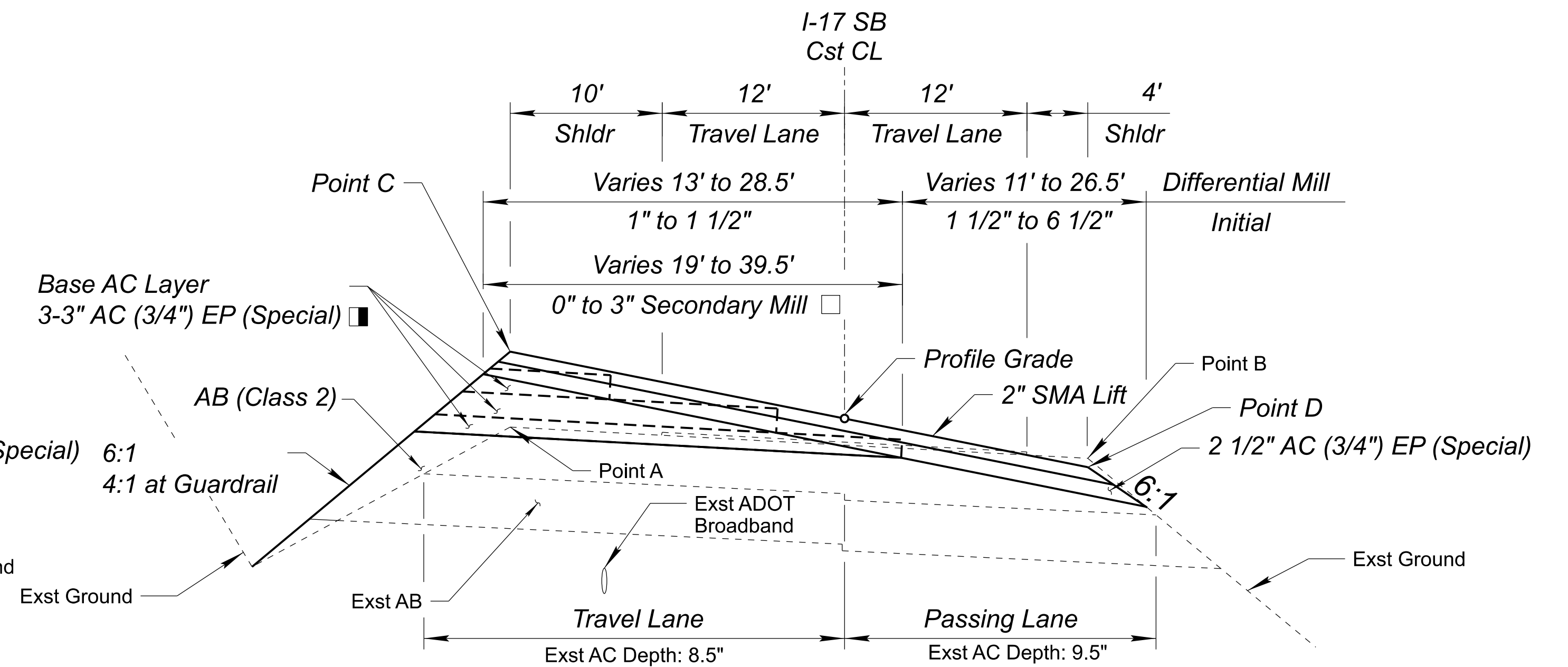


SECTION
Sta 3780+56.25 to 3808+94.33 (Curve SB6)

■ Sta 3782+00 to 3782+50
 Sta 3790+10 to 3794+00
 4" AC (3/4") EP (Special)
 2-3" AC (3/4") EP (Special)

Sta 3782+50 to 3790+10
2-4" AC (3/4") EP (Special)
3" AC (3/4") EP (Special)

☐ Sta 3782+00 to 3794+00
Sta 3796+40 to 3797+80
0" to 4" Mill



SECTION
Sta 3867+65.51 to 3909+05.33 (Curve SB8)

☐ Sta 3873+40 to 3875+40
0" to 4" Mill

■ Sta 3873+40 to 3875+40
4" AC (3/4") EP (Special)
2-3" AC (3/4") EP (Special)

NOTE:
See profile sheets for additional information on points A through D.

DETAIL A

BASE AC PLACEMENT & SECONDARY MILL
SHEET 2 OF 2

	NAME	DATE
DESIGN	DBK	07/26/01
DRAWN	RM	07/26/01
CHECKED	KCH	07/26/01


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1 2 3 4 5 6 7 8 9 10	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SERVICES DETAIL A BASE AC PLACEMENT & SECONDARY MILL SHEET 2 OF 2
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ROUTE I-17	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. 017 YV 269	FEDERAL ID NO. 017-B(239)T	SHEET NO. 13	TOTAL SHEETS 104	RECORD DRAWING
MILEPOST	LOCATION E DUGAS ROAD - MP 275						DWG NO. G-06.02
STRUCTURE NO.	TRACS NO. F0616 01C					___ OF ___	

PLAN REF NO				COORDINATES			All Coordinates are Ground Coordinates and All Bearings are Grid Bearings.								G.A.F. = 1.00028
	ELEMENT	POINT TYPE	STATION	NORTHING	EASTING		DELTA	Dc	RADIUS	TANGENT	LENGTH	t	o	e	
I-17 SB Cst CL															
SB0		PI	3566+90.67	1239553.478	653364.432	Total	17°10'03.7" Lt				2,637.04'			0.024 '/ft +/-	
		TS	3553+63.00	1238436.146	652647.310										
		SC	3555+88.00	1238626.063	652767.956	Main	15°33'58.6" Lt	00°42'42" Lt	8,050.00'	1,100.30'	2,187.04'				
		CS	3577+75.05	1240616.195	653658.568										
		ST	3580+00.05	1240832.701	653719.801	Spiral	00°48'02.6" Lt				225.00'	112.50'	0.26		
SB1		PI	3587+68.23	1241572.856	653925.416	Total	20°38'49.2" Rt				1,332.35'			0.040 '/ft	
		TS	3580+96.17	1240925.318	653745.530										
		SC	3583+96.17	1241212.891	653830.851	Main	14°38'49.2" Rt	02°00'00"	2,864.79'	368.18'	732.35'				
		CS	3591+28.52	1241870.176	654149.286										
		ST	3594+28.52	1242115.373	654322.077	Spiral	03°00'00" Rt				300.00'	149.99'	1.31		
SB2		PI	3632+94.66	1245236.297	656603.933	Total	36°05'25.1" Rt				2,114.78'			0.040 '/ft	
		TS	3622+06.35	1244357.759	655961.592	Spiral	02°59'07.7" Rt				300.00'	149.99'	1.30		
		SC	3625+06.35	1244596.792	656142.814	Main	30°05'22.1" Rt	01°59'25"	2,878.72'	773.76'	1,511.79'				
		CS	3640+18.13	1245470.944	657354.968										
	EQUATION	Bk=	3643+06.30	1245563.771	657627.737										
		Ahd	3643+37.17												
		ST	3643+52.00	1245568.290	657641.865	Spiral	03°00'55.2" Rt				303.00'	151.49'	1.33		
SB3		PI	3668+99.28	1246344.330	660068.049	Total	54°59'59.8" Lt				3,054.18'			0.040 '/ft	
		TS	3652+55.03	1245843.403	658501.967										
		SC	3655+55.03	1245939.753	658786.035	Main	49°00'32.6" Lt	01°59'49"	2,869.14'	1,307.82'	2,454.18'				
		CS	3680+09.21	1247629.652	660461.990										
		ST	3683+09.21	1247914.509	660555.983	Spiral	02°59'43.6" Lt				300.00'	149.99'	1.31		
SB4		PI	3710+51.70	1250533.466	661369.825		21°46'39.3" Rt	00°29'58"	11,473.68'	2,207.15'	4,361.03'			0.021 '/ft	
		PC	3688+44.55	1248425.734	660714.847										
		PT	3732+05.58	1252247.771	662760.037										

SURVEY CONTROL DATA TABLE AND NOTES

Existing superelevation rate estimated from survey data

PRIMARY CONTROL POINT			
COORDINATES			
POINT NO.	GROUND (E)	GROUND (N)	ELEVATION
1028	665359.913	1259046.292	4623.38

SECONDARY CONTROL POINTS			
COORDINATES			
POINT NO.	GROUND (E)	GROUND (N)	ELEVATION
1004	652148.445	1239155.360	3802.92
1008	656418.281	1245586.772	3871.16
1019	663051.071	1252634.728	4146.87
1032	668032.855	1262848.197	4360.84

NOTES:

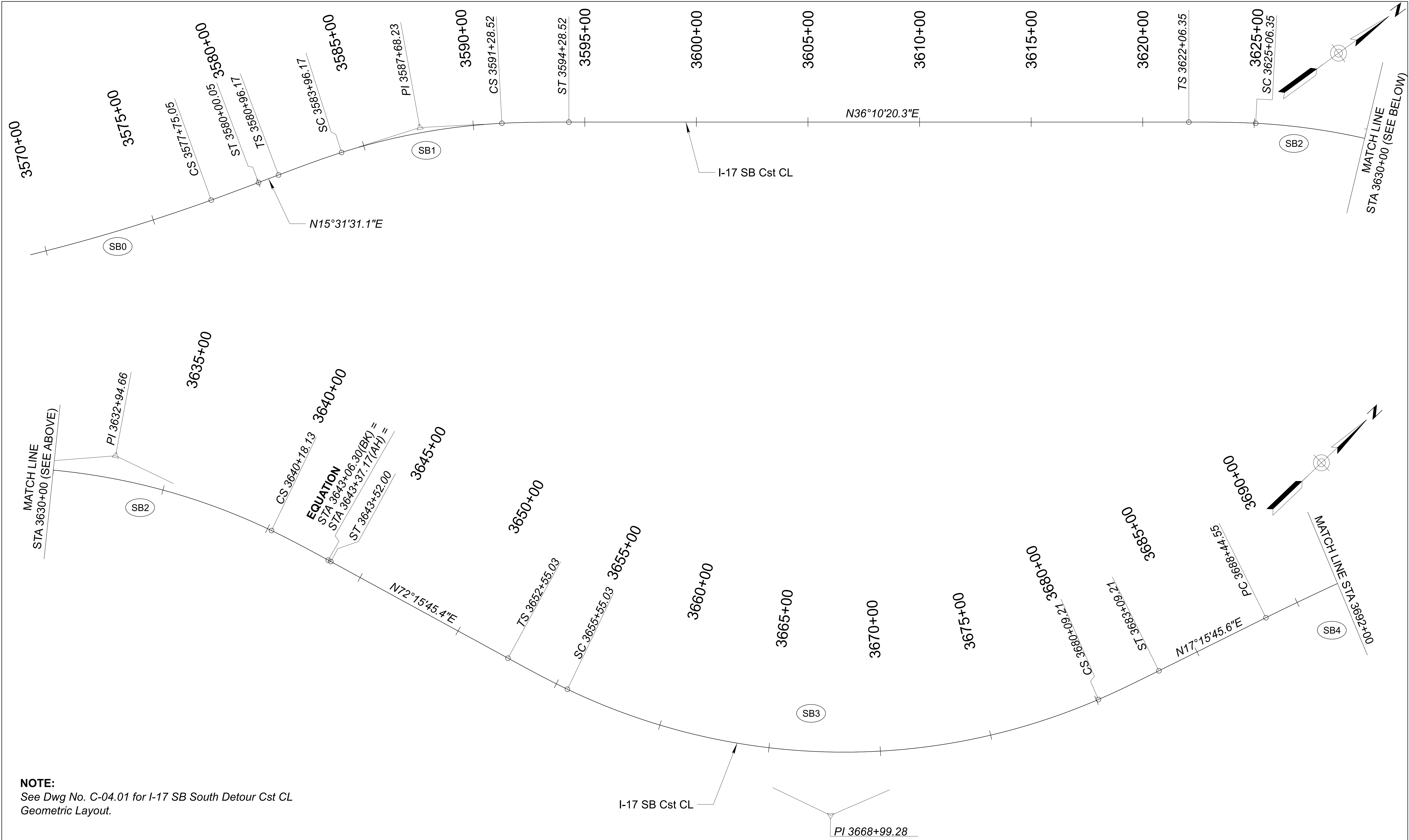
1. All coordinates are NAD1983 (1992 epoch) State Plane Ground Coordinates, Arizona State Plane-Central Zone, Standard Transverse Mercator Projection, with a Scale of Origin Point of X=0.0000 Y=0.0000, using a grid adjustment factor of 1.00025. These coordinates can be utilized as ground datum. To convert back to grid coordinates, divide each coordinate value by 1.00025.
2. Vertical Datum is NAVD88.
3. Benchmark used is ADOT control point #1028, a 3" brass cap along ADOT right of way fence having an elevation of 4263.38.
4. Units = International Feet
1 Foot = 0.3048 Meter Exactly
5. All bearings are grid bearings, distances are ground distances, and coordinates are ground coordinates.
6. The coordinates provided are shown to three decimal places for calculation purposes and are not representative of the precision of the survey measurements.
7. The field survey was performed in November 2023.



	NAME	DATE
DESIGN	BAP	07/26
DRAWN	RM	07/26
CHECKED	KCH	07/26

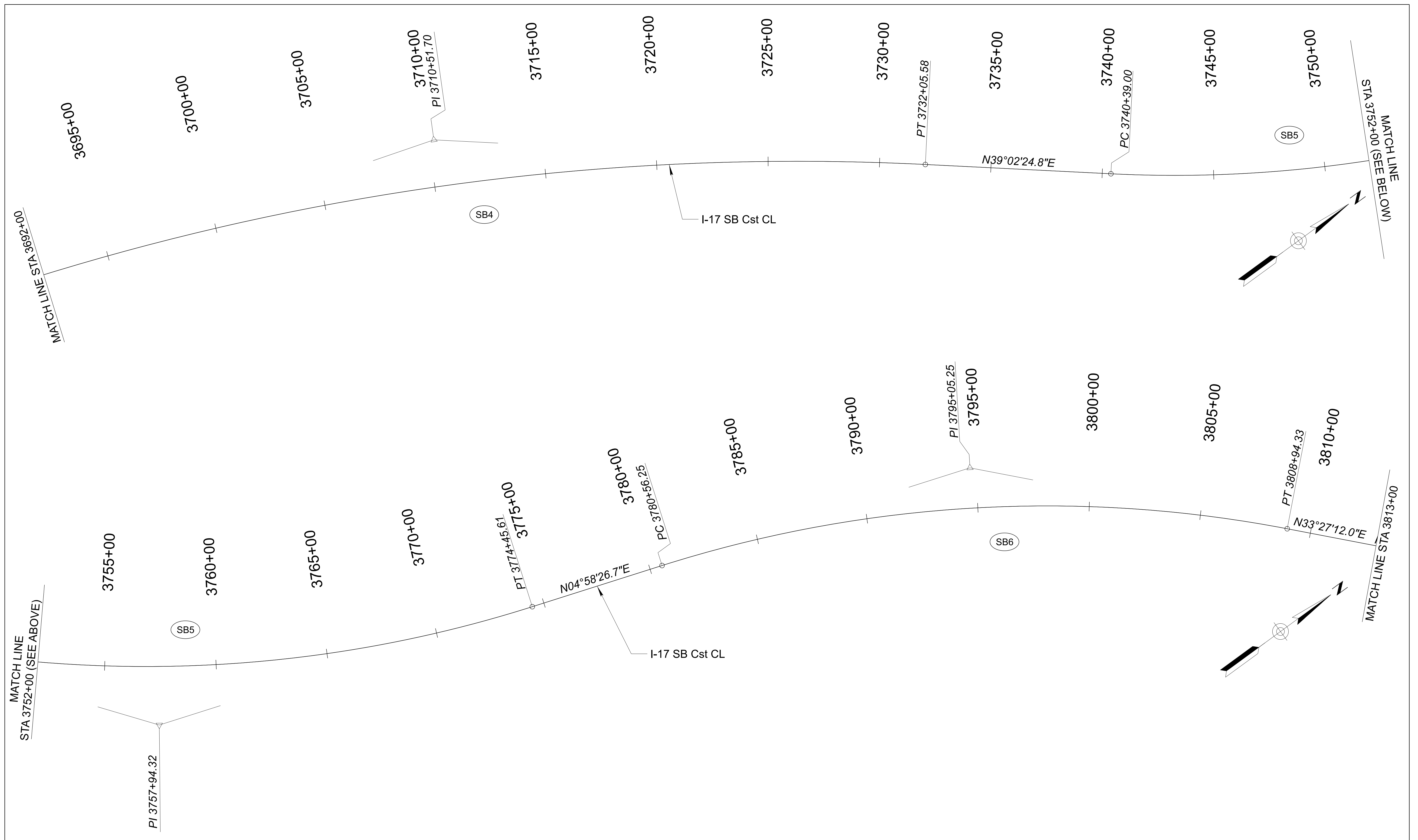
3133 East Camelback Road, Suite 100
Phoenix, Arizona 85016
Phone: (602) 335-2200

ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SERVICES		ROUTE I-17	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. 017 YV 269	FEDERAL ID NO. 017-B(239)T	SHEET NO. 14	TOTAL SHEETS 104	RECORD DRAWING
GEOMETRY DATA SHEET		MILEPOST	E DUGAS ROAD - MP 275						DWG NO. C-01.01
		STRUCTURE NO.	TRACS NO. F0616 01C		OF				



NOTE:
See Dwg No. C-04.01 for I-17 SB South Detour Cst CL
Geometric Layout.

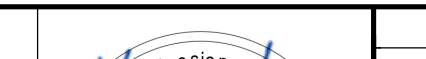
 Professional Engineer 41977 KAREN C. HOBBS Arizona U.S.A. Stanley Consultants INC. 3133 East Camelback Road, Suite 100 Phoenix, Arizona 85016 Phone: 602) 335-2200	<table><tr><th>DESIGN</th><th>NAME</th><th>DATE</th></tr><tr><td>DRAWN</td><td>BAP</td><td>07/26</td></tr><tr><td>CHECKED</td><td>KCH</td><td>07/26</td></tr></table>	DESIGN	NAME	DATE	DRAWN	BAP	07/26	CHECKED	KCH	07/26	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SERVICES	<table><tr><td>ROUTE</td><td>I-17</td></tr><tr><td>MILEPOST</td><td></td></tr><tr><td>STRUCTURE NO.</td><td></td></tr></table>	ROUTE	I-17	MILEPOST		STRUCTURE NO.		<table><tr><td>F.H.W.A. Arizona Division</td><td>STATE</td><td>ARIZ.</td></tr><tr><td colspan="2">LOCATION</td><td>E DUGAS ROAD - MP 275</td></tr><tr><td colspan="2">TRACS NO.</td><td>F0616 01C</td></tr></table>	F.H.W.A. Arizona Division	STATE	ARIZ.	LOCATION		E DUGAS ROAD - MP 275	TRACS NO.		F0616 01C	<table><tr><td>PROJECT NO.</td><td>017 YV 269</td></tr><tr><td>FEDERAL ID NO.</td><td>017-B(239)T</td></tr></table>	PROJECT NO.	017 YV 269	FEDERAL ID NO.	017-B(239)T	<table><tr><td>SHEET NO.</td><td>17</td></tr><tr><td>TOTAL SHEETS</td><td>104</td></tr></table>	SHEET NO.	17	TOTAL SHEETS	104	RECORD DRAWING
	DESIGN	NAME	DATE																																				
	DRAWN	BAP	07/26																																				
	CHECKED	KCH	07/26																																				
ROUTE	I-17																																						
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F.H.W.A. Arizona Division	STATE	ARIZ.																																					
LOCATION		E DUGAS ROAD - MP 275																																					
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TOTAL SHEETS	104																																						
			DWG NO. C-02.01		____ OF ____																																		



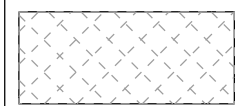
Professional Engineer KAREN C. HOBBS 41977 KAREN C. HOBBS 01/2008 ARIZONA, U.S.A.	<table><tr><td></td><td>NAME</td><td>DATE</td></tr><tr><td>DESIGN</td><td>BAP</td><td>07/26</td></tr><tr><td>DRAWN</td><td>RM</td><td>07/26</td></tr><tr><td>CHECKED</td><td>KCH</td><td>07/26</td></tr></table>		NAME	DATE	DESIGN	BAP	07/26	DRAWN	RM	07/26	CHECKED	KCH	07/26	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SERVICES	<table><tr><td>ROUTE</td><td>I-17</td></tr><tr><td>MILEPOST</td><td></td></tr><tr><td>STRUCTURE NO.</td><td></td></tr></table>	ROUTE	I-17	MILEPOST		STRUCTURE NO.		<table><tr><td rowspan="2">F.H.W.A. Arizona Division ARIZ.</td><td>STATE</td><td>PROJECT NO.</td><td>FEDERAL ID NO.</td><td>SHEET NO.</td><td>TOTAL SHEETS</td><td>RECORD DRAWING</td></tr><tr><td></td><td>017 YV 269</td><td>017-B(239)T</td><td>18</td><td>104</td><td></td></tr></table>	F.H.W.A. Arizona Division ARIZ.	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING		017 YV 269	017-B(239)T	18	104	
		NAME	DATE																																
	DESIGN	BAP	07/26																																
	DRAWN	RM	07/26																																
CHECKED	KCH	07/26																																	
ROUTE	I-17																																		
MILEPOST																																			
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F.H.W.A. Arizona Division ARIZ.	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING																													
		017 YV 269	017-B(239)T	18	104																														
	3133 East Camelback Road, Suite 100 Phoenix, Arizona 85016 Phone: (602) 333-2200 Stanley Consultants INC.	GEOMETRIC LAYOUT SHEET		<table><tr><td colspan="5">LOCATION</td><td>E DUGAS ROAD - MP 275</td><td>DWG NO. C-02.02</td></tr><tr><td colspan="2">TRACS NO.</td><td colspan="3">F0616 01C</td><td colspan="2">____ OF ____</td></tr></table>	LOCATION					E DUGAS ROAD - MP 275	DWG NO. C-02.02	TRACS NO.		F0616 01C			____ OF ____																		
LOCATION					E DUGAS ROAD - MP 275	DWG NO. C-02.02																													
TRACS NO.		F0616 01C			____ OF ____																														

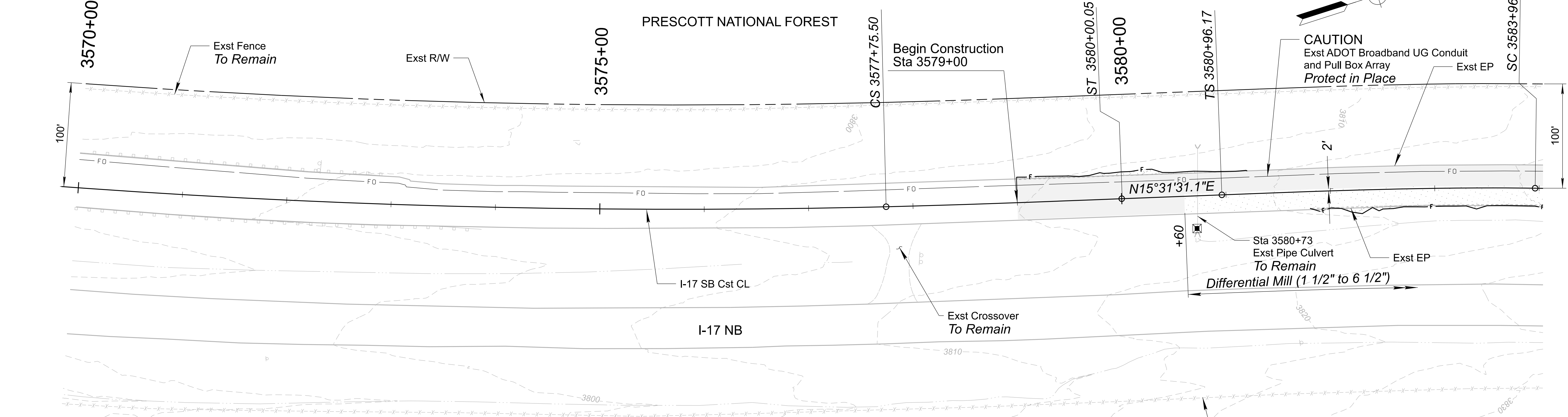


NOTE:
See Dwg No. C-04.02 and C-04.03 for I-17 SB North Detour Cst CL
Geometric Layout, Existing I-17 SB Cst CL PC 3923+77.94 to
PT 3960+86.92, and Existing I-17 NB Cst CL SC 3941+59.03 to
ST 3952+45.22.

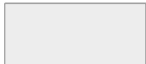
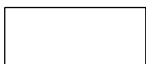
	NAME		DATE	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SERVICES		ROUTE	F.H.W.A. Arizona Division		STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	DESIGN	BAP	07/26			I-17	ARIZ.		017 YV 269	017-B(239)T	19	104		
	DRAWN	RM	07/26			MILEPOST	LOCATION		E DUGAS ROAD - MP 275				DWG NO. C-02.03	
	CHECKED	KCH	07/26	GEOMETRIC LAYOUT SHEET		STRUCTURE NO.	TRACS NO. F0616 01C		____ OF ____					

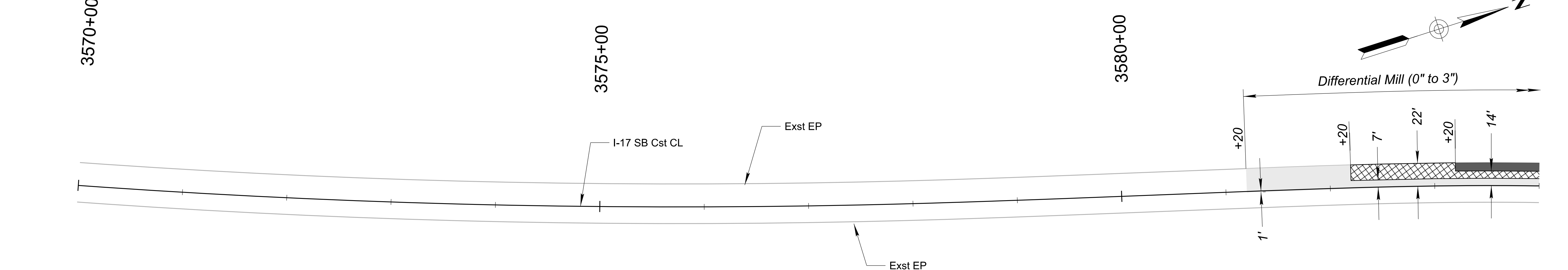
EROSION CONTROL LEGEND

SYMBOL	DESCRIPTION	QUANTITY
	SEEDING	0.03 AC

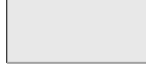


INITIAL MILLING LEGEND

-  Differential Mill (1" to 1 1/2")
-  Differential Mill (Varies - See Plan)

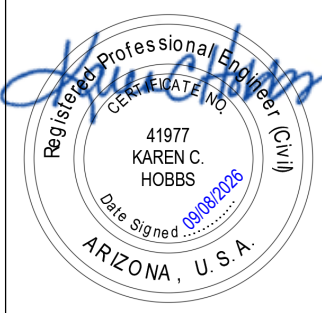


BASE AC PAVEMENT LEGEND

-  3" AC Lift
-  2-3" AC Lift
-  3-3" AC Lift

BASE AC LAYER PLACEMENT AND SECONDARY MILLING LIMITS PLAN

For Additional information on AC Layer Placement, Milling width limits and Depths, See Detail A

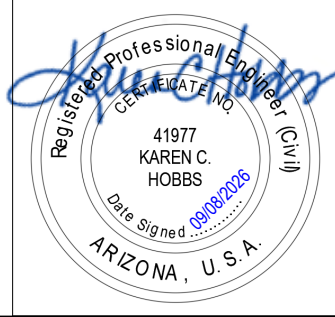
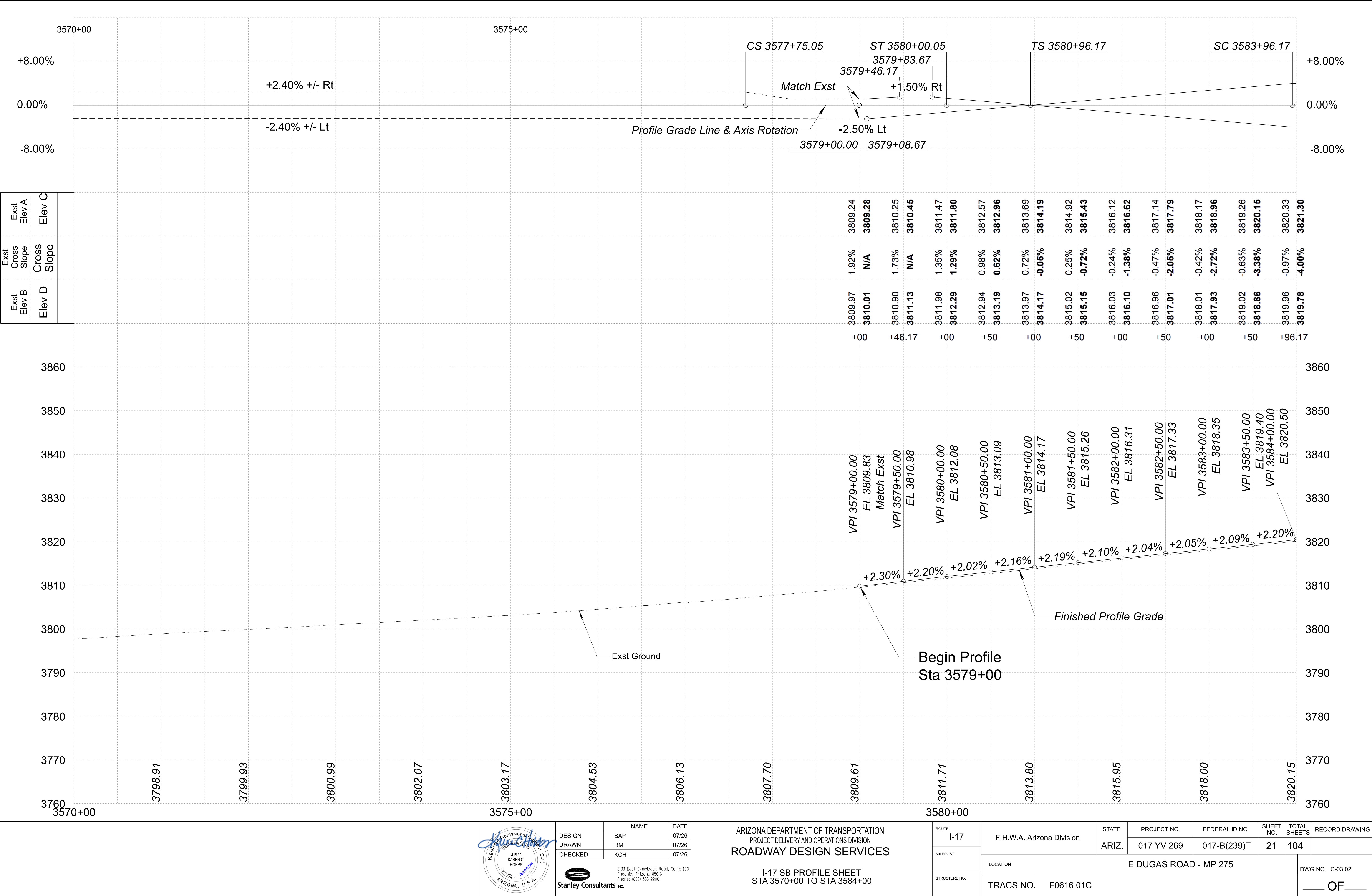


	NAME	DATE
DESIGN	BAP	07/26
DRAWN	RM	07/26
CHECKED	KCH	07/26

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3133 East Camelback Road, Suite 100
Phoenix, Arizona 85016
Phone: 1602) 333-2200

ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SERVICES
I-17 SB PLAN SHEET STA 3570+00 TO STA 3584+00

ROUTE I-17	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. 017 YV 269	FEDERAL ID NO. 017-B(239)T	SHEET NO. 20	TOTAL SHEETS 104	RECORD DRAWING
MILEPOST	LOCATION E DUGAS ROAD - MP 275						DWG NO. C-03.01
STRUCTURE NO.	TRACS NO. F0616 01C						___ OF ___



DESIGN	NAME	DATE
BAP		07/26
DRAWN	RM	07/26
CHECKED	KCH	07/26

3133 East Camelback Road, Suite 100
Phoenix, Arizona 8506
Phone: 1602) 335-2200

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ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SERVICES	ROUTE I-17	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. 017 YV 269	FEDERAL ID NO. 017-B(239)T	SHEET NO. 21	TOTAL SHEETS 104	RECORD DRAWING
I-17 SB PROFILE SHEET STA 3570+00 TO STA 3584+00	MILEPOST	E DUGAS ROAD - MP 275						DWG NO. C-03.02
	STRUCTURE NO.	TRACS NO. F0616 01C						OF

EROSION CONTROL LEGEND

SYMBOL	DESCRIPTION	QUANTITY
	SEEDING	0.14 AC

INITIAL MILLING LEGEND

	Differential Mill (1" to 1 1/2")
	Differential Mill (Varies - See Plan)

BASE AC PAVEMENT LEGEND

	3" AC Lift
	2-3" AC Lift
	3-3" AC Lift

BASE AC LAYER PLACEMENT AND SECONDARY MILLING LIMITS PLAN

For Additional information on AC Layer Placement, Milling width limits and Depths, See Detail A



	NAME	DATE
DESIGN	BAP	07/26
DRAWN	RM	07/26
CHECKED	KCH	07/26

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Phone: 1602) 333-2200

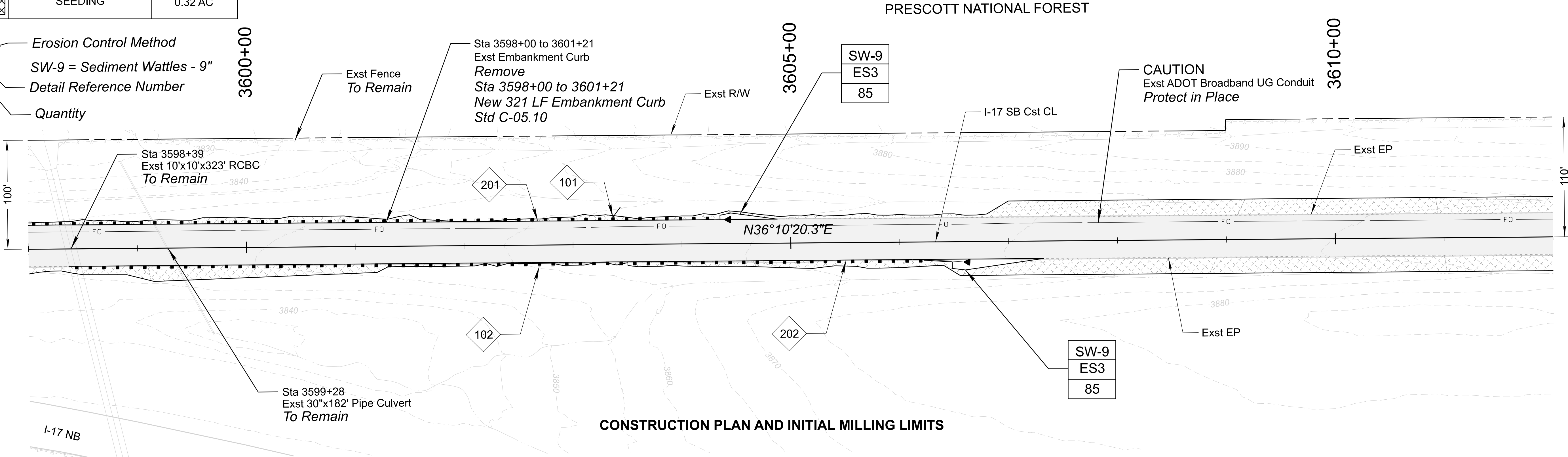
ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SERVICES	ROUTE I-17 MILEPOST STRUCTURE NO.
I-17 SB PLAN SHEET STA 3584+00 TO STA 3598+00	

F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. 017 YV 269	FEDERAL ID NO. 017-B(239)T	SHEET NO. 22	TOTAL SHEETS 104	RECORD DRAWING
LOCATION E DUGAS ROAD - MP 275				DWG NO. C-03.03		
TRACS NO. F0616 01C				OF		

EROSION CONTROL LEGEND

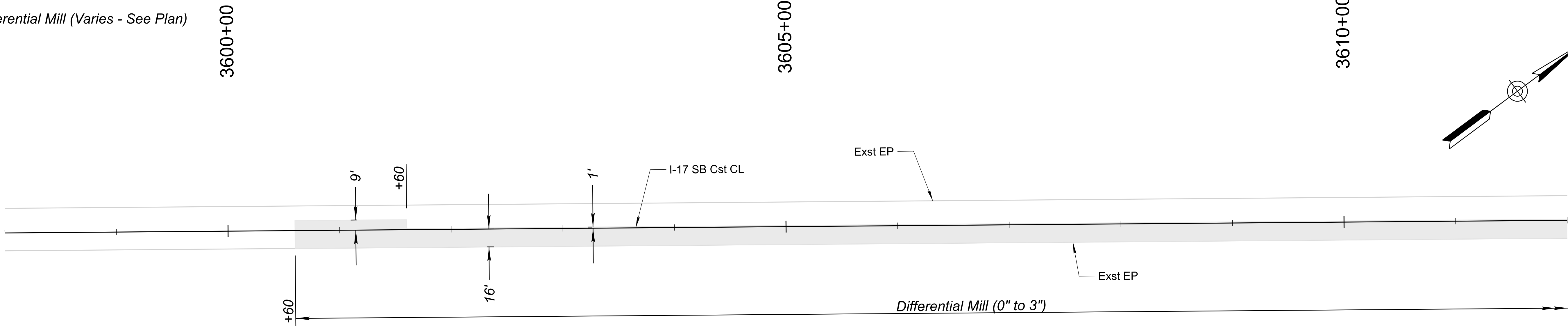
SYMBOL	DESCRIPTION	QUANTITY
	SEEDING	0.32 AC

SW-9	Erosion Control Method
ES3	SW-9 = Sediment Wattles - 9"
LF	Detail Reference Number
	Quantity



INITIAL MILLING LEGEND

	Differential Mill (1" to 1 1/2")
	Differential Mill (Varies - See Plan)



BASE AC PAVEMENT LEGEND

	3" AC Lift
	2-3" AC Lift
	3-3" AC Lift

BASE AC LAYER PLACEMENT AND SECONDARY MILLING LIMITS PLAN

For Additional information on AC Layer Placement, Milling width limits and Depths, See Detail A

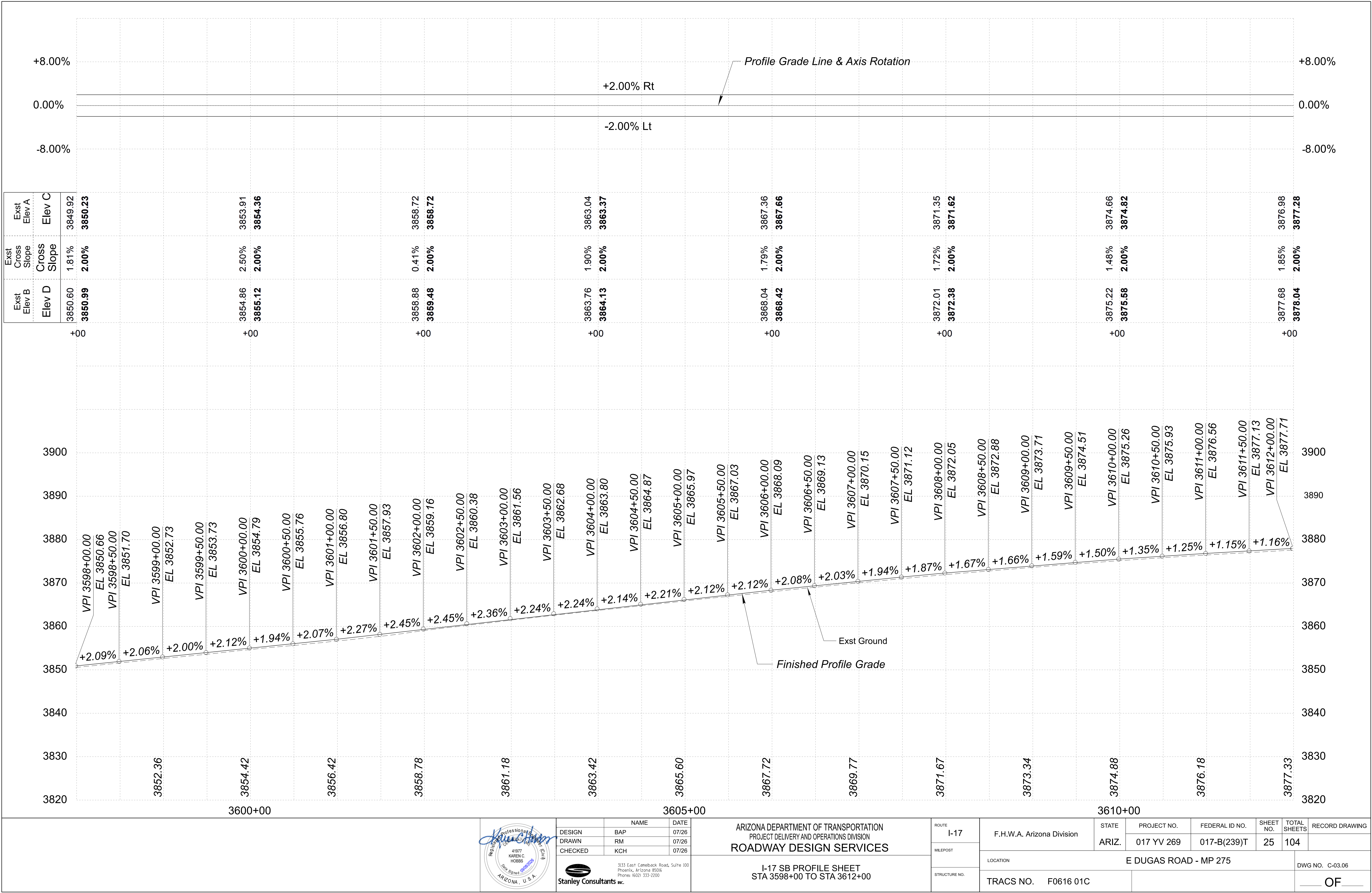


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DRAWN	BAP	07/26
CHECKED	KCH	07/26

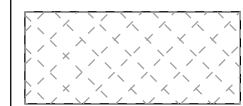
Stanley Consultants INC.

ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SERVICES
I-17 SB PLAN SHEET STA 3598+00 TO STA 3612+00

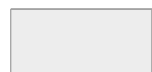
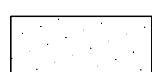
ROUTE I-17	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. 017 YV 269	FEDERAL ID NO. 017-B(239)T	SHEET NO. 24	TOTAL SHEETS 104	RECORD DRAWING
LOCATION	E DUGAS ROAD - MP 275						DWG NO. C-03.05
STRUCTURE NO.	TRACS NO. F0616 01C						OF



EROSION CONTROL LEGEND

SYMBOL	DESCRIPTION	QUANTITY
	SEEDING	0.23 AC

INITIAL MILLING LEGEND

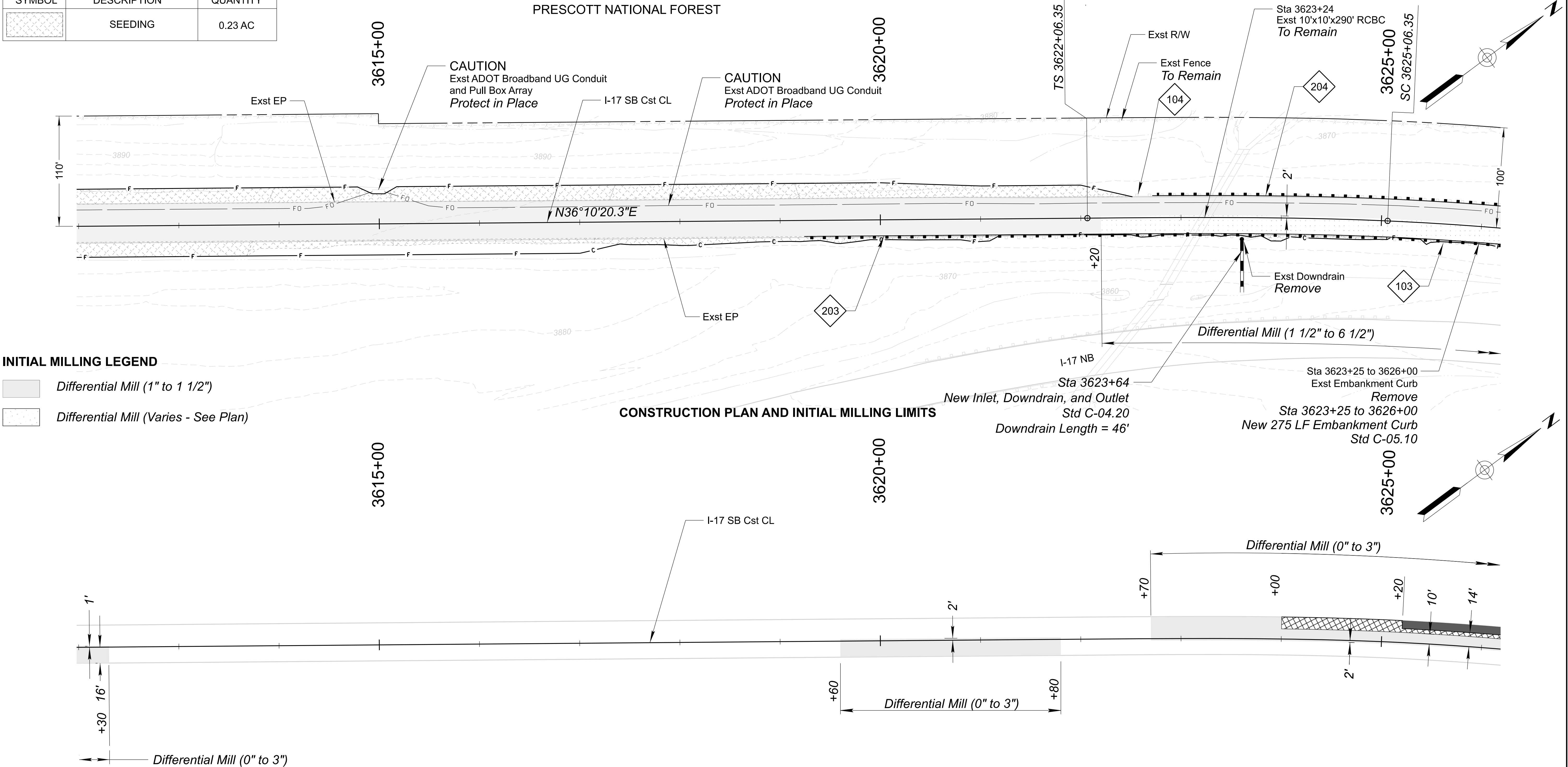
	Differential Mill (1" to 1 1/2")
	Differential Mill (Varies - See Plan)

BASE AC PAVEMENT LEGEND

	3" AC Lift
	2-3" AC Lift
	3-3" AC Lift

BASE AC LAYER PLACEMENT AND SECONDARY MILLING LIMITS PLAN

For Additional information on AC Layer Placement, Milling width limits and Depths, See Detail A

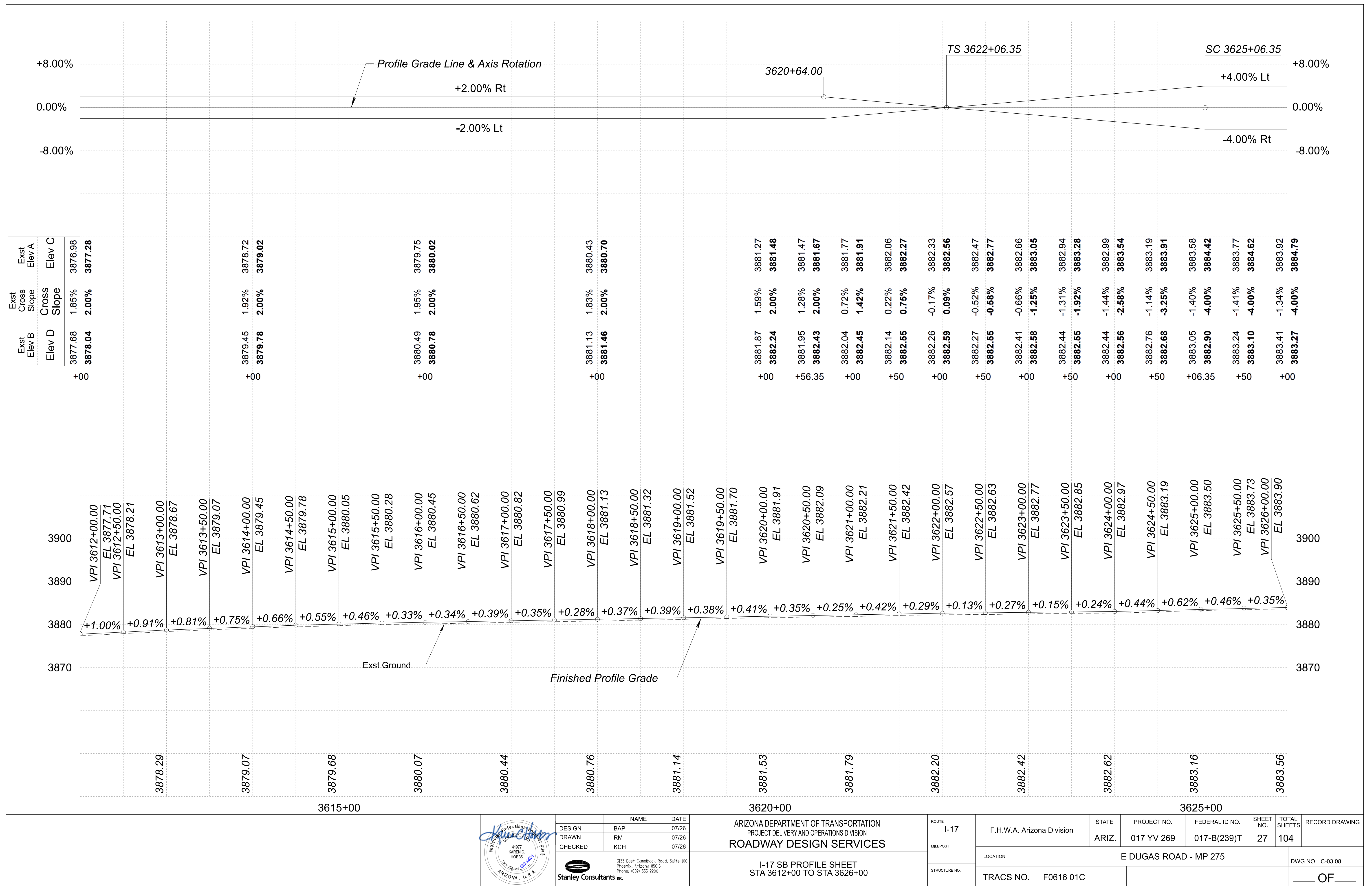


DESIGN	NAME	DATE
BAP		07/26
DRAWN	RM	07/26
CHECKED	KCH	07/26

Stanley Consultants INC.

ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SERVICES
I-17 SB PLAN SHEET STA 3612+00 TO STA 3626+00

ROUTE I-17	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. 017 YV 269	FEDERAL ID NO. 017-B(239)T	SHEET NO. 26	TOTAL SHEETS 104	RECORD DRAWING
MILEPOST	LOCATION E DUGAS ROAD - MP 275						DWG NO. C-03.07
STRUCTURE NO.	TRACS NO. F0616 01C						OF

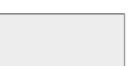


EROSION CONTROL LEGEND

SYMBOL	DESCRIPTION	QUANTITY
	SEEDING	0.19 AC

SW-9	Erosion Control Method
ES3	SW-9 = Sediment Wattles - 9"
LF	Detail Reference Number
	Quantity

INITIAL MILLING LEGEND

	Differential Mill (1" to 1 1/2")
	Differential Mill (Varies - See Plan)

Sta 3626+00 to 3626+37
Exst Embankment Curb
Remove
Sta 3626+00 to 3626+37
New 37 LF Embankment Curb
Std C-05.10

BASE AC PAVEMENT LEGEND

	3" AC Lift
	2-3" AC Lift
	3-3" AC Lift

Sta 3630+60 to 3637+00
4" AC Lift
2-3" AC Lifts

BASE AC LAYER PLACEMENT AND SECONDARY MILLING LIMITS PLAN

For Additional information on AC Layer Placement, Milling width limits and Depths, See Detail A

DESIGN	NAME	DATE
BAP		07/26
DRAWN	RM	07/26
CHECKED	KCH	07/26

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ARIZONA DEPARTMENT OF TRANSPORTATION
PROJECT DELIVERY AND OPERATIONS DIVISION
ROADWAY DESIGN SERVICES

I-17 SB PLAN SHEET
STA 3626+00 TO STA 3640+00

ROUTE
I-17

MILEPOST

STRUCTURE NO.

F.H.W.A. Arizona Division

STATE
ARIZ.

PROJECT NO.
017 YV 269

FEDERAL ID NO.
017-B(239)T

SHEET NO.
28

TOTAL SHEETS
104

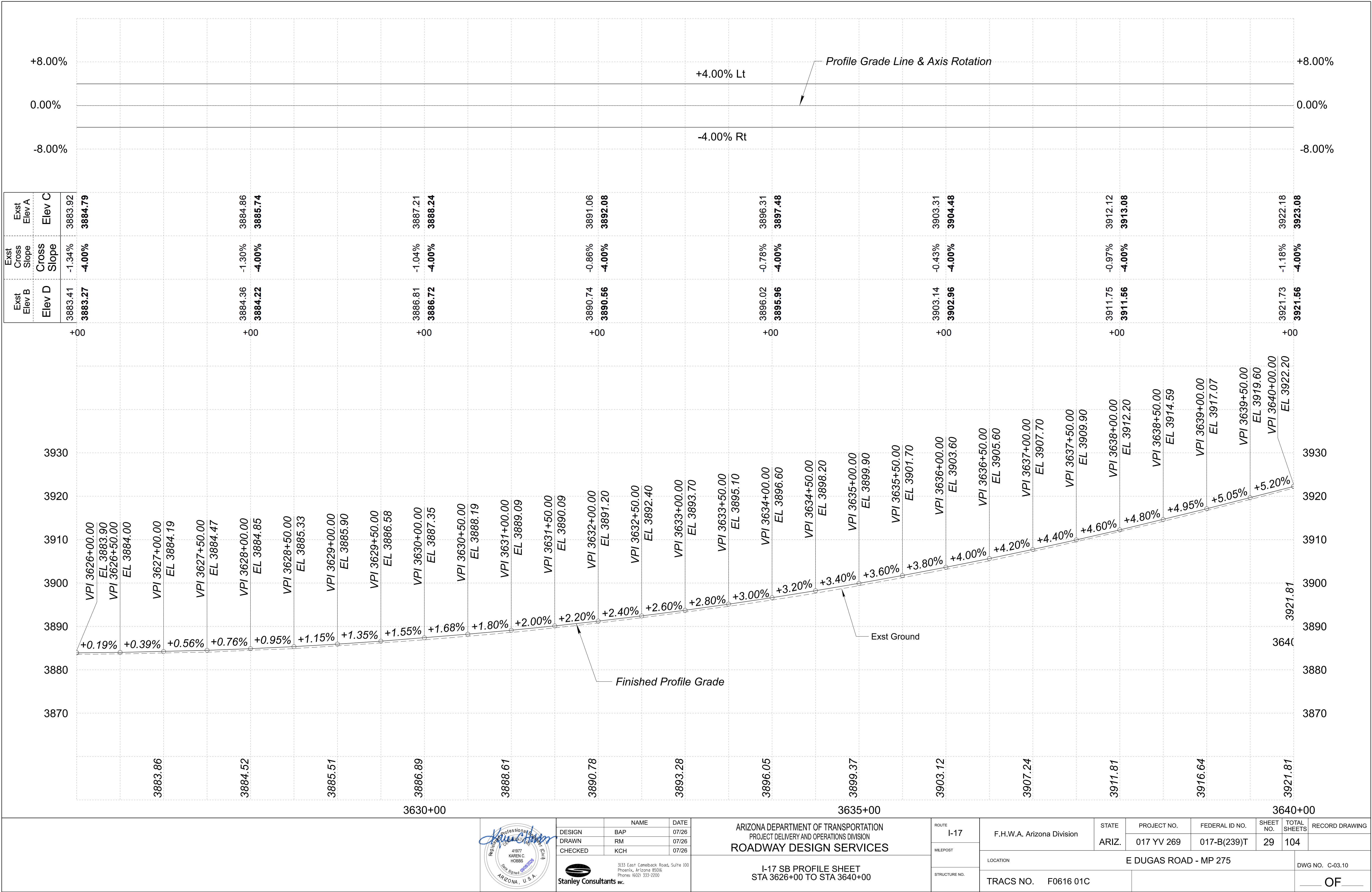
RECORD DRAWING

LOCATION
E DUGAS ROAD - MP 275

TRACS NO. F0616 01C

DWG NO. C-03.09

OF



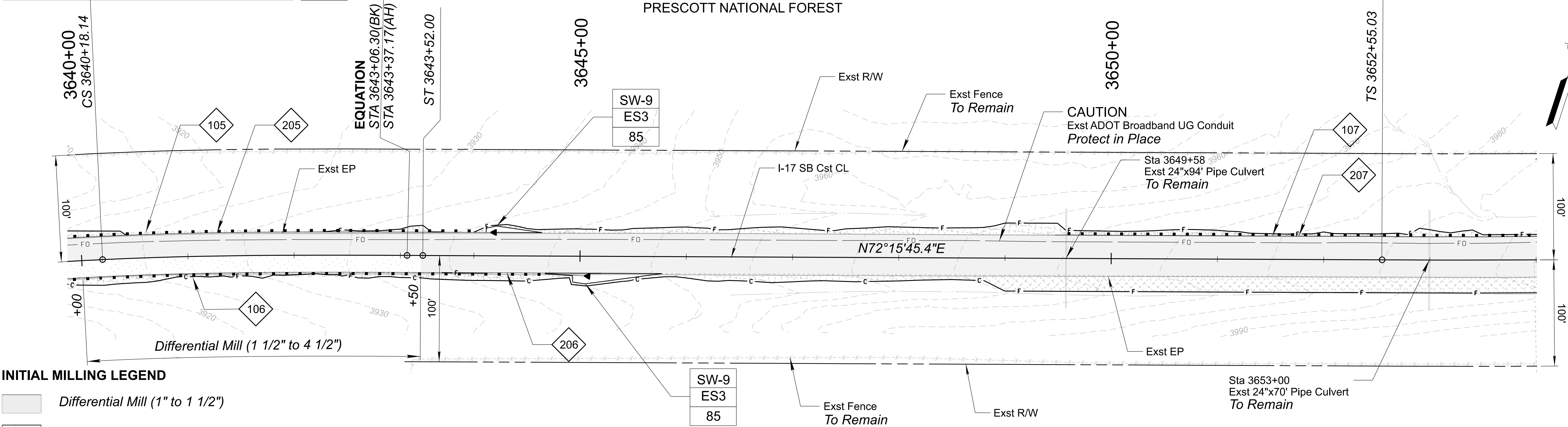
EROSION CONTROL LEGEND

SYMBOL	DESCRIPTION	QUANTITY
	SEEDING	0.28 AC

SW-9
ES3
LF

Erosion Control Method
SW-9 = Sediment Wattles - 9"
Detail Reference Number
Quantity

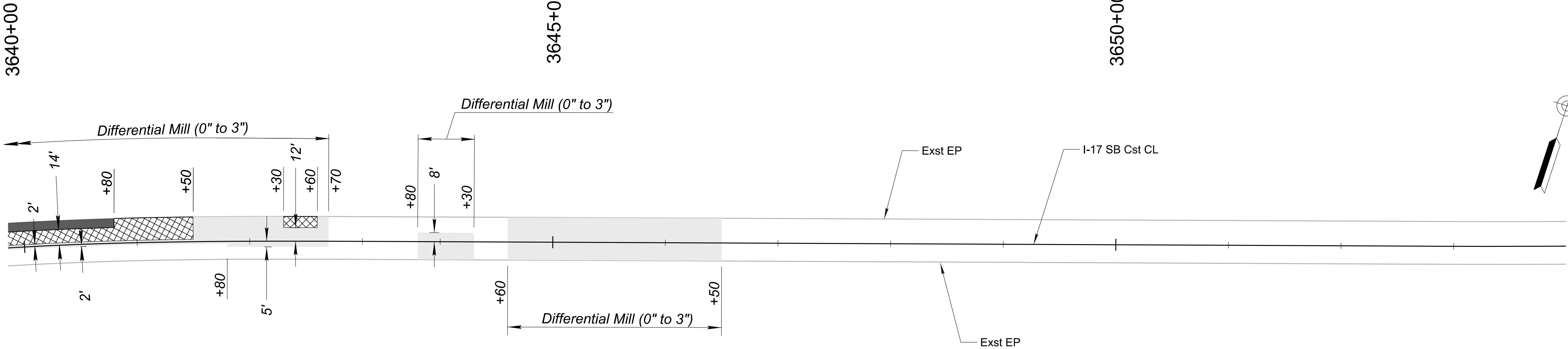
EQUATION
STA 3643+06.30(BK) =
STA 3643+37.17(AH) =



INITIAL MILLING LEGEND

	Differential Mill (1" to 1 1/2")
	Differential Mill (Varies - See Plan)

CONSTRUCTION PLAN AND INITIAL MILLING LIMITS



BASE AC PAVEMENT LEGEND

	3" AC Lift
	2-3" AC Lift
	3-3" AC Lift

BASE AC LAYER PLACEMENT AND SECONDARY MILLING LIMITS PLAN

For Additional information on AC Layer Placement, Milling width limits and Depths, See Detail A



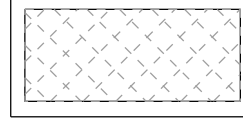
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DESIGN BAP	07/26
DRAWN RM	07/26
CHECKED KCH	07/26

Stanley Consultants INC.

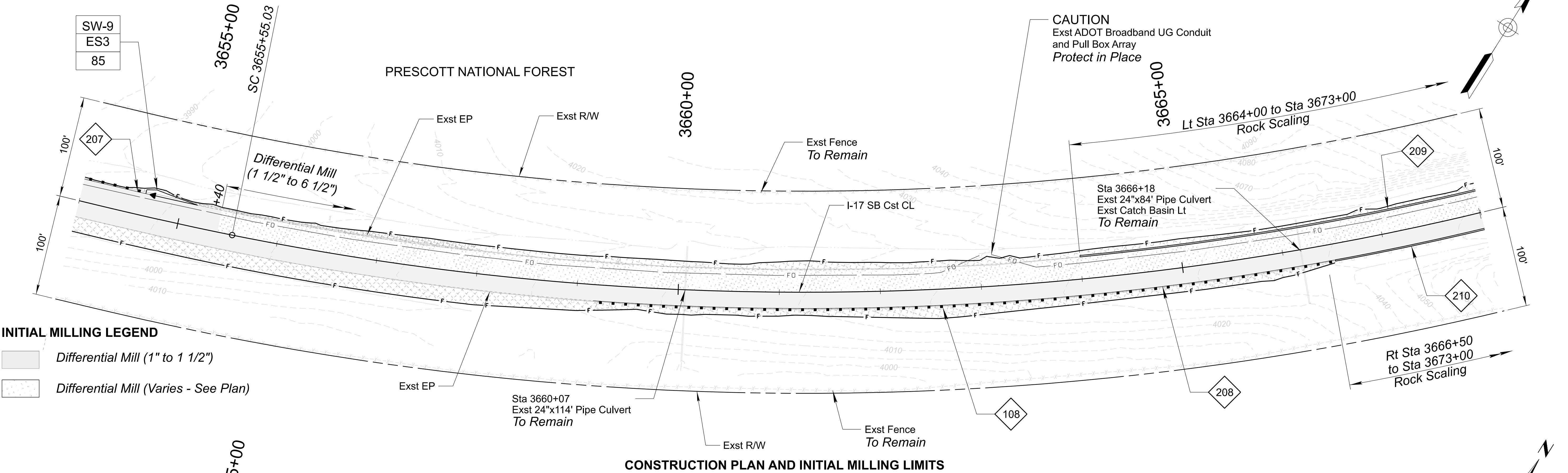
ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SERVICES
I-17 SB PLAN SHEET STA 3640+00 TO STA 3654+00

ROUTE I-17	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. 017 YV 269	FEDERAL ID NO. 017-B(239)T	SHEET NO. 30	TOTAL SHEETS 104	RECORD DRAWING
MILEPOST	LOCATION E DUGAS ROAD - MP 275						DWG NO. C-03.11
STRUCTURE NO.	TRACS NO. F0616 01C						OF

EROSION CONTROL LEGEND

SYMBOL	DESCRIPTION	QUANTITY
	SEEDING	0.36 AC

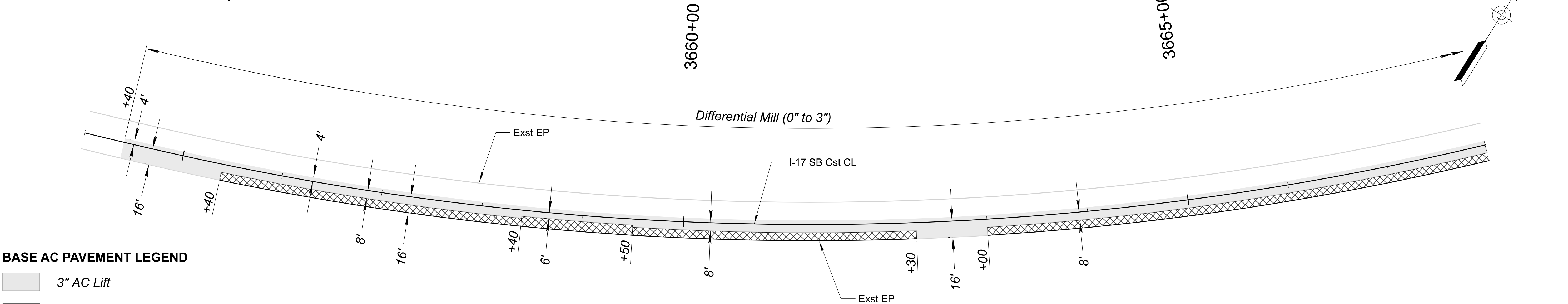
SW-9	ES3	LF
SW-9	ES3	LF
Erosion Control Method		
SW-9 = Sediment Wattles - 9"		
Detail Reference Number		
Quantity		



INITIAL MILLING LEGEND

	Differential Mill (1" to 1 1/2")
	Differential Mill (Varies - See Plan)

CONSTRUCTION PLAN AND INITIAL MILLING LIMITS



BASE AC PAVEMENT LEGEND

	3" AC Lift
	2-3" AC Lift
	3-3" AC Lift

BASE AC LAYER PLACEMENT AND SECONDARY MILLING LIMITS PLAN

For Additional information on AC Layer Placement, Milling width limits and Depths, See Detail A

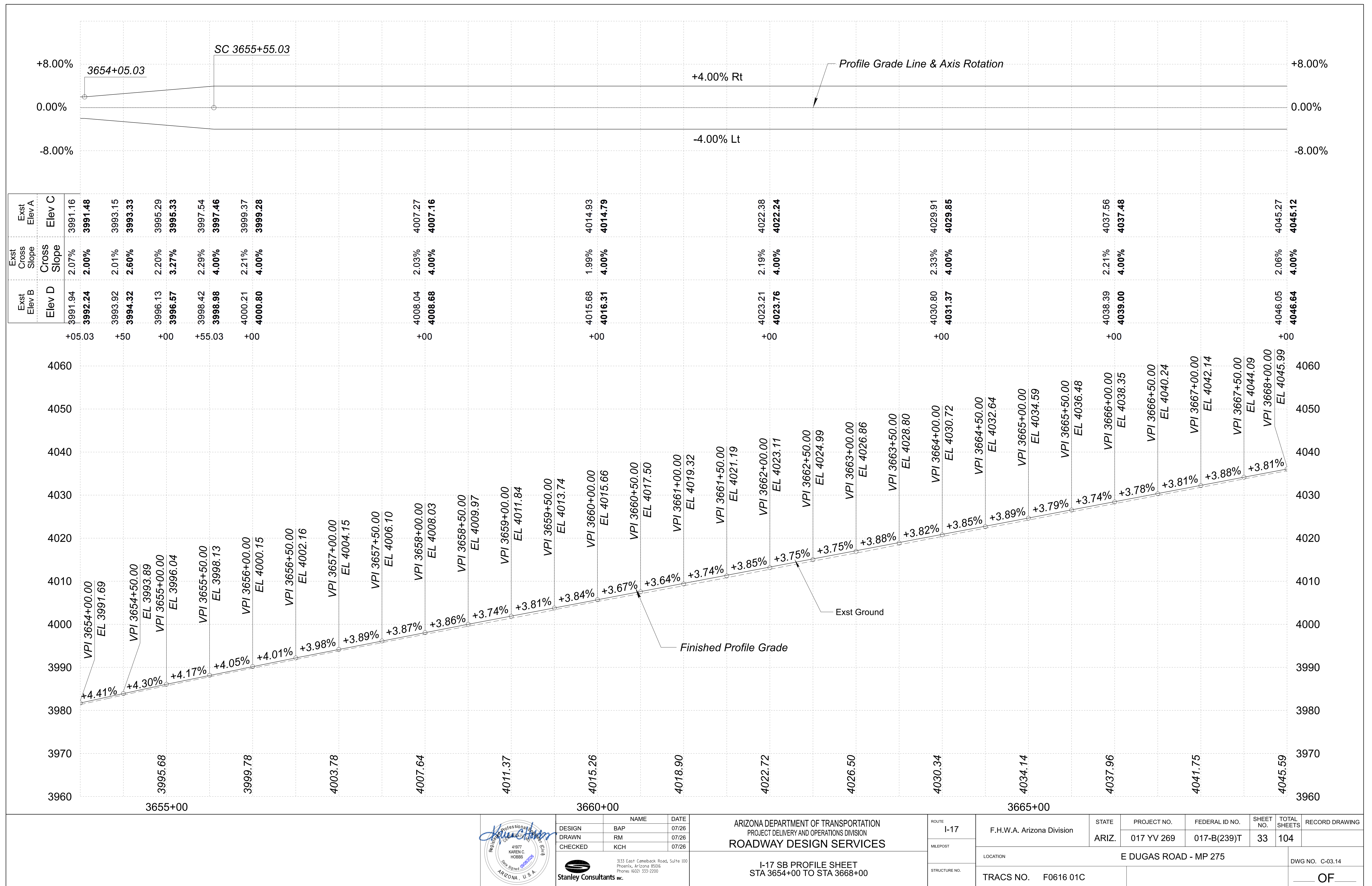


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DRAWN	RM	07/26
CHECKED	KCH	07/26

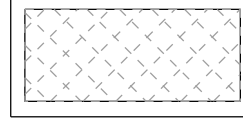
Stanley Consultants INC.

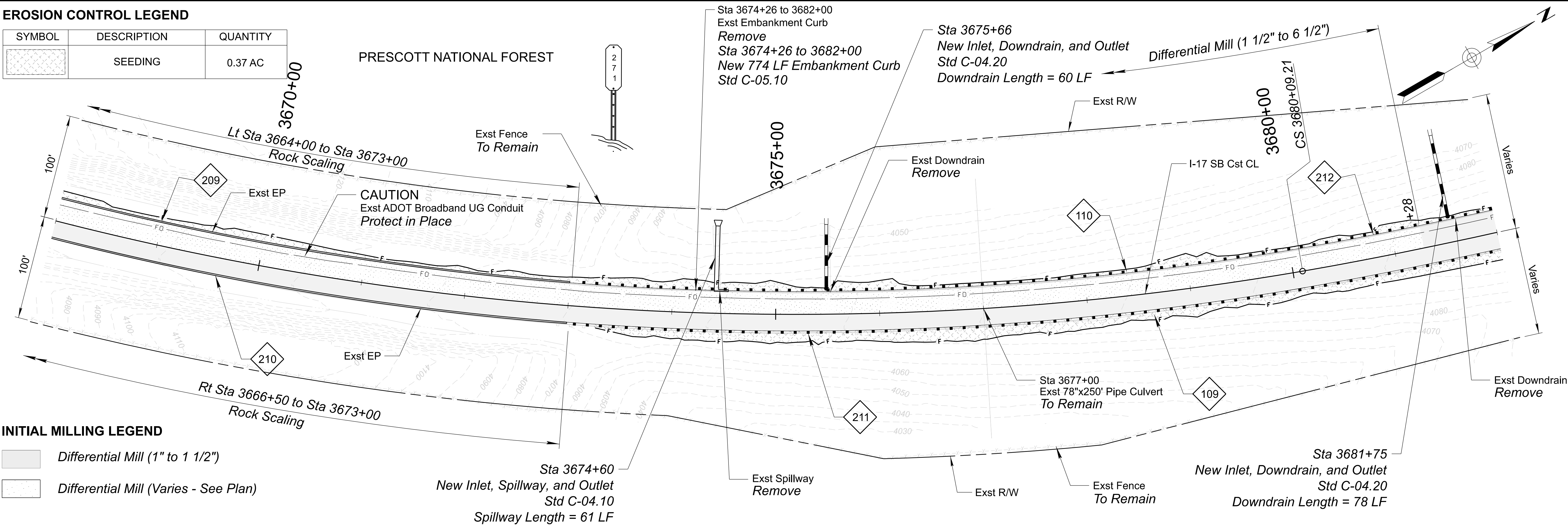
ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SERVICES
I-17 SB PLAN SHEET STA 3654+00 TO STA 3668+00

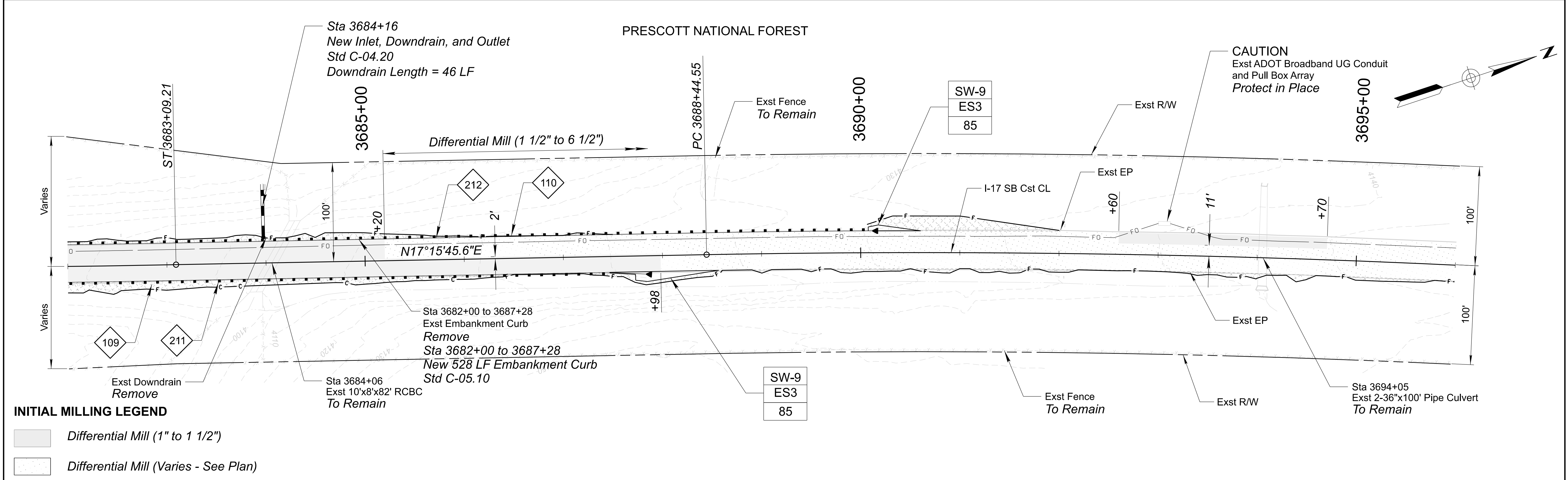
ROUTE I-17	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. 017 YV 269	FEDERAL ID NO. 017-B(239)T	SHEET NO. 32	TOTAL SHEETS 104	RECORD DRAWING
MILEPOST	LOCATION E DUGAS ROAD - MP 275						DWG NO. C-03.13
STRUCTURE NO.	TRACS NO. F0616 01C						OF



EROSION CONTROL LEGEND

SYMBOL	DESCRIPTION	QUANTITY
	SEEDING	0.37 AC





INITIAL MILLING LEGEND

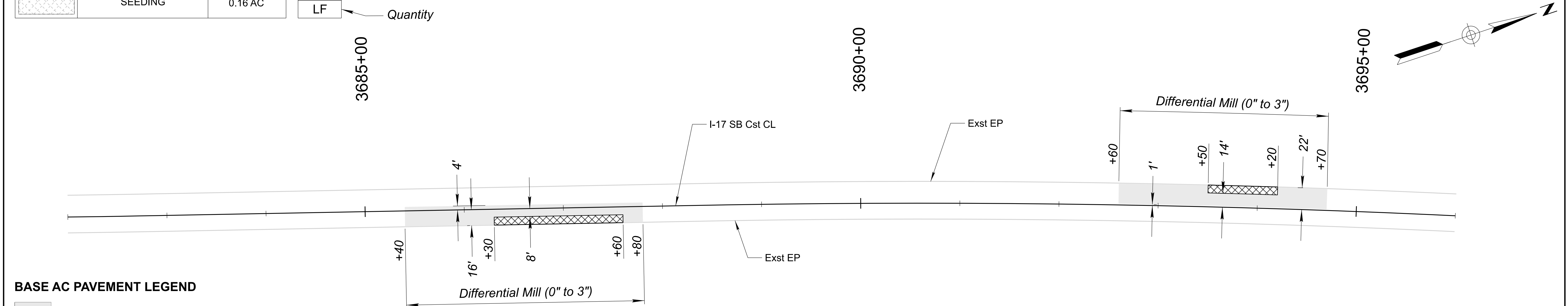
- Differential Mill (1" to 1 1/2")
- Differential Mill (Varies - See Plan)

EROSION CONTROL LEGEND

SYMBOL	DESCRIPTION	QUANTITY
	SEEDING	0.16 AC

SW-9	ES3	LF	Erosion Control Method
			SW-9 = Sediment Wattles - 9"
			Detail Reference Number
			Quantity

CONSTRUCTION PLAN AND INITIAL MILLING LIMITS



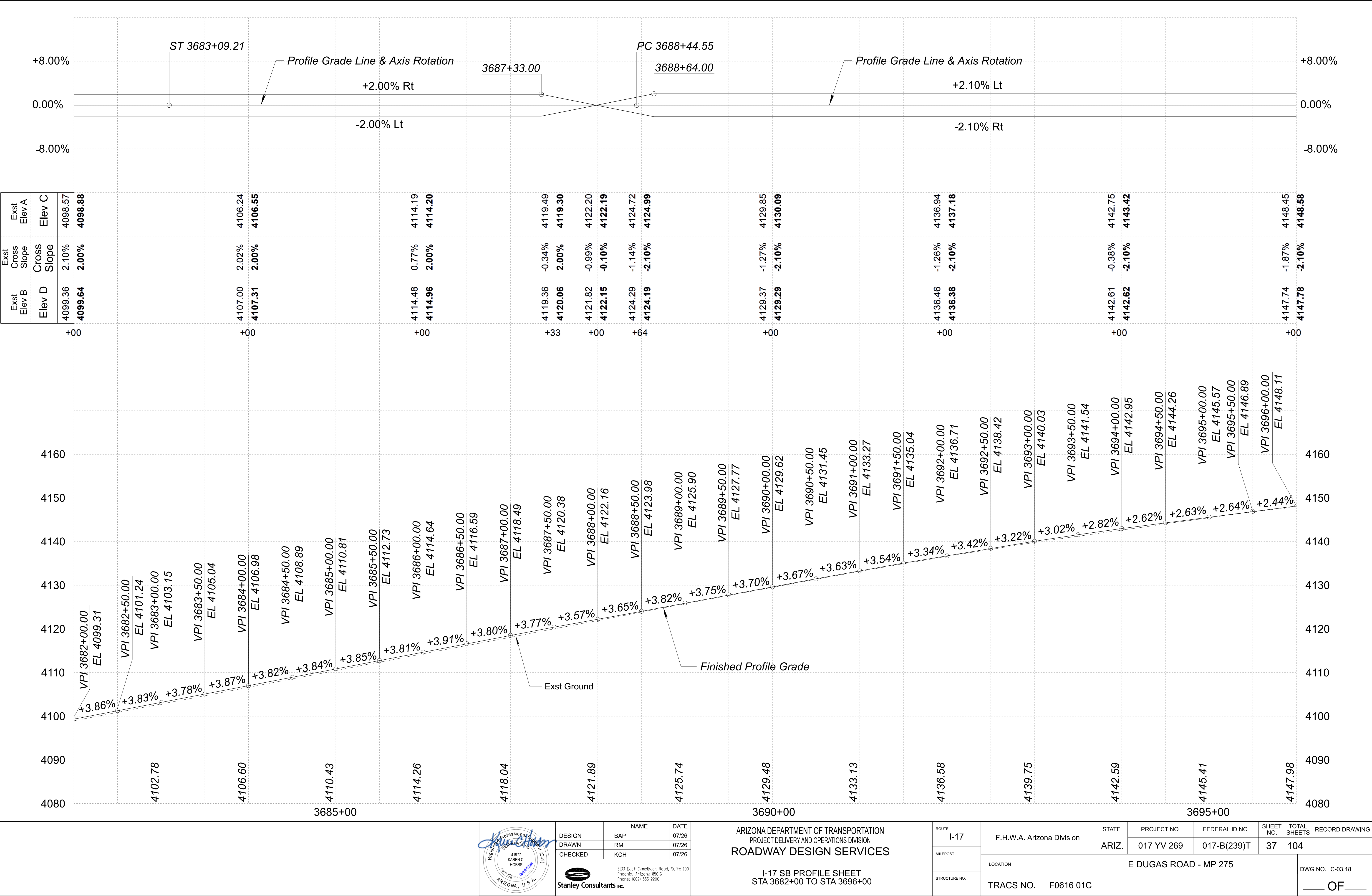
BASE AC PAVEMENT LEGEND

- 3" AC Lift
- 2-3" AC Lift
- 3-3" AC Lift

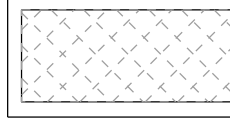
BASE AC LAYER PLACEMENT AND SECONDARY MILLING LIMITS PLAN

For Additional information on AC Layer Placement, Milling width limits and Depths, See Detail A

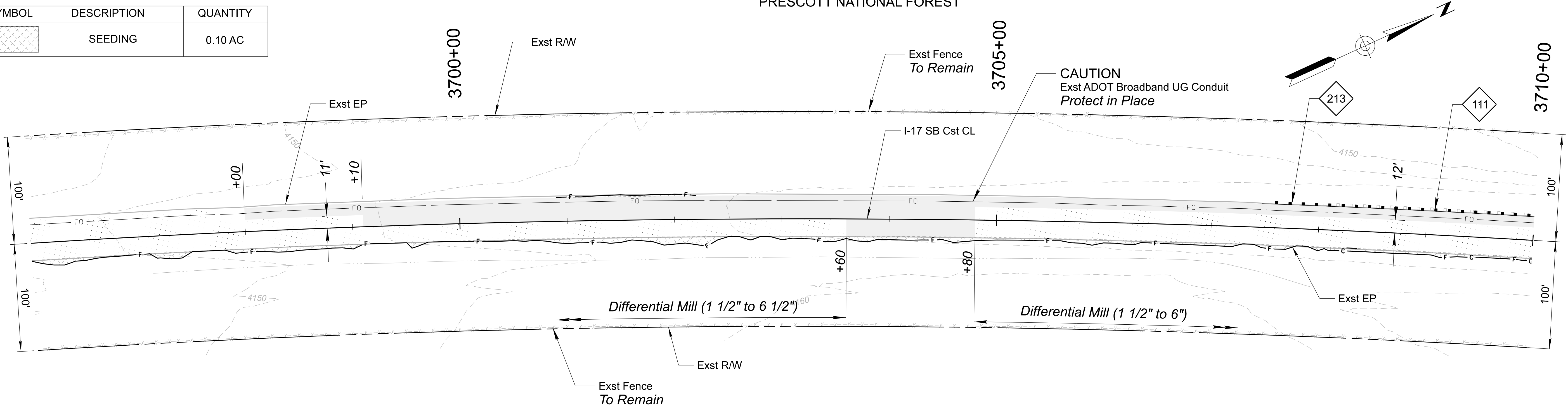
	DESIGN	BAP	DATE	07/26	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SERVICES I-17 SB PLAN SHEET STA 3682+00 TO STA 3696+00	ROUTE	I-17	F.H.W.A. Arizona Division	STATE	ARIZ.	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING		
	DRAWN	RM	DATE	07/26		MILEPOST	LOCATION				E DUGAS ROAD - MP 275					DWG NO. C-03.17	
	CHECKED	KCH	DATE	07/26							STRUCTURE NO.	TRACS NO. F0616 01C					
	OF																



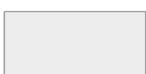
EROSION CONTROL LEGEND

SYMBOL	DESCRIPTION	QUANTITY
	SEEDING	0.10 AC

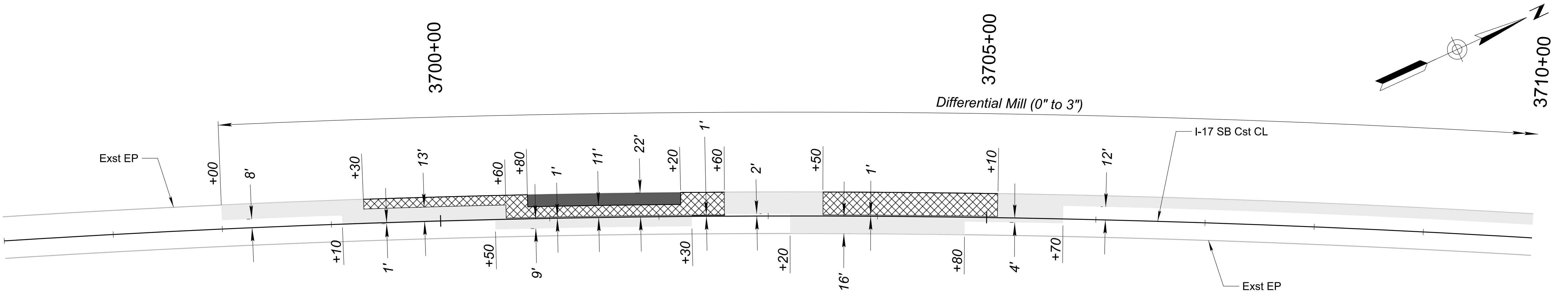
PRESCOTT NATIONAL FOREST



INITIAL MILLING LEGEND

	Differential Mill (1" to 1 1/2")
	Differential Mill (Varies - See Plan)

CONSTRUCTION PLAN AND INITIAL MILLING LIMITS



BASE AC PAVEMENT LEGEND

	3" AC Lift
	2-3" AC Lift
	3-3" AC Lift

BASE AC LAYER PLACEMENT AND SECONDARY MILLING LIMITS PLAN

For Additional information on AC Layer Placement, Milling width limits and Depths, See Detail A

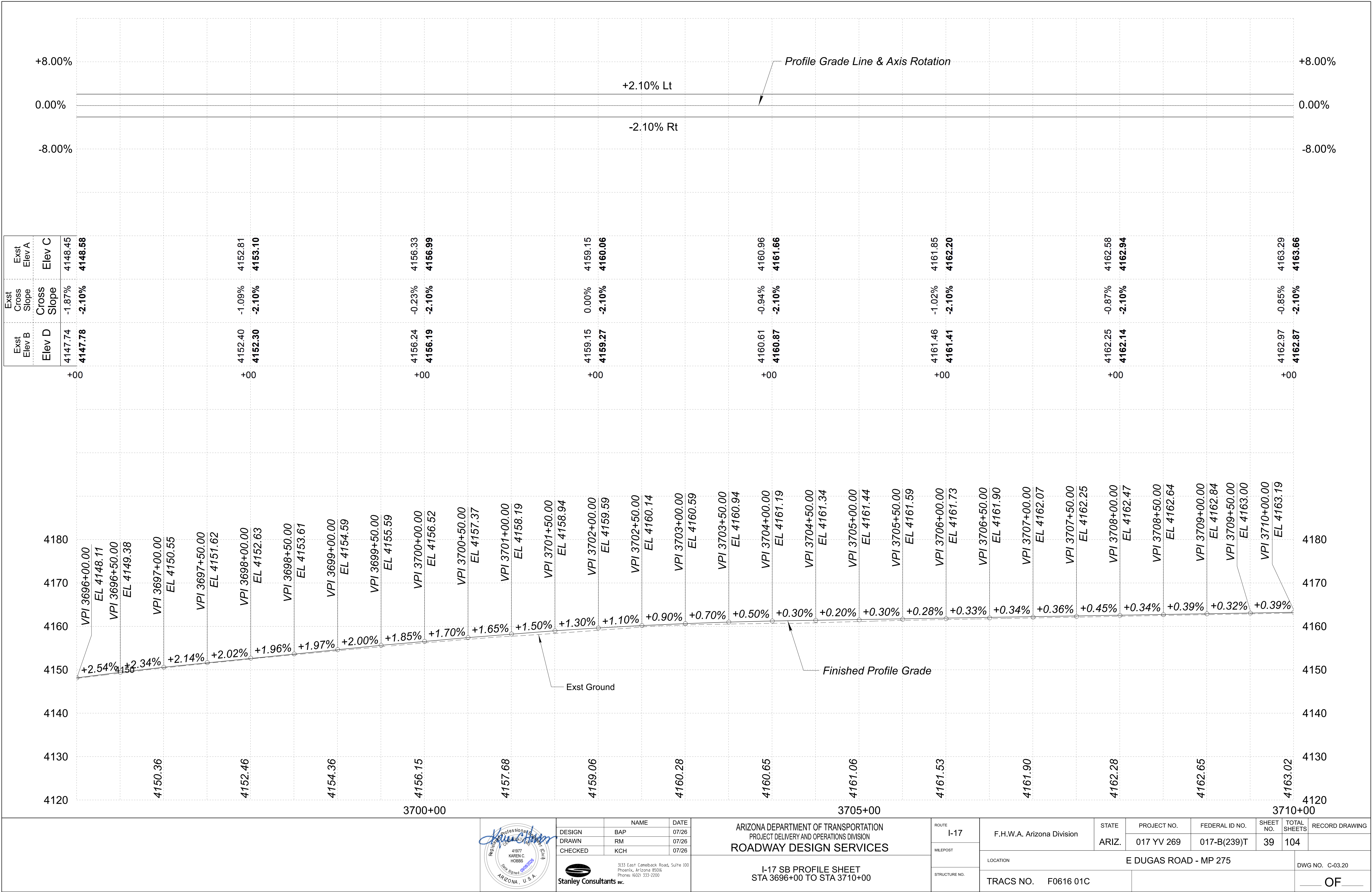


DESIGN	NAME	DATE
BAP		07/26
DRAWN	RM	07/26
CHECKED	KCH	07/26

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ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SERVICES
I-17 SB PLAN SHEET STA 3696+00 TO STA 3710+00

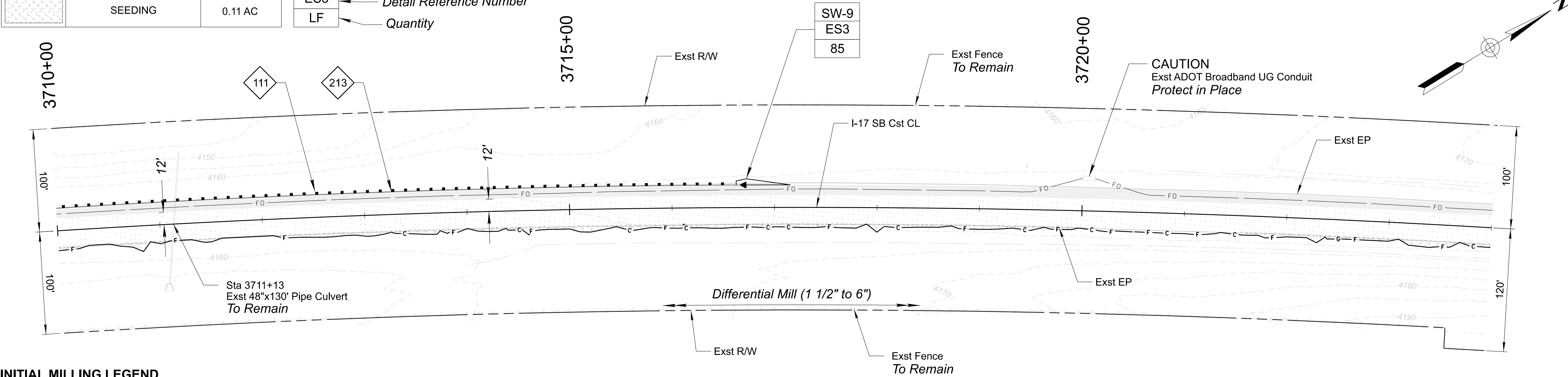
ROUTE I-17	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. 017 YV 269	FEDERAL ID NO. 017-B(239)T	SHEET NO. 38	TOTAL SHEETS 104	RECORD DRAWING
MILEPOST	LOCATION E DUGAS ROAD - MP 275						DWG NO. C-03.19
STRUCTURE NO.	TRACS NO. F0616 01C						___ OF ___



EROSION CONTROL LEGEND

SYMBOL	DESCRIPTION	QUANTITY
	SEEDING	0.11 AC

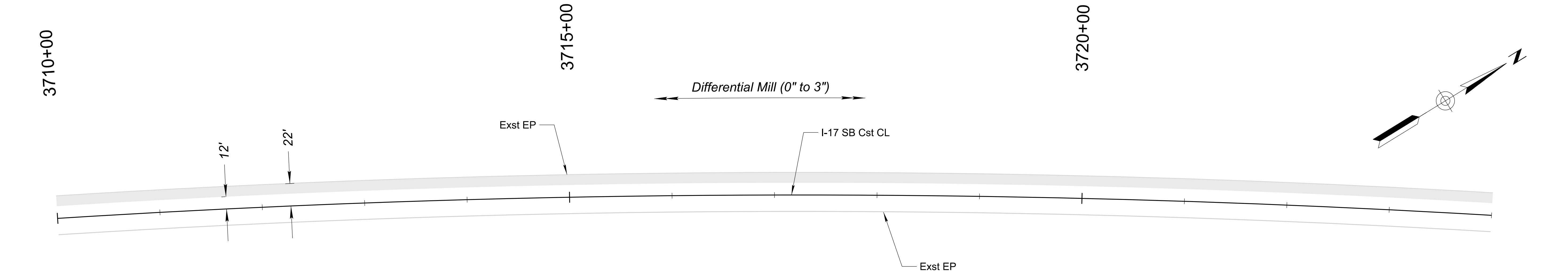
SW-9	Erosion Control Method
ES3	SW-9 = Sediment Wattles - 9"
LF	Detail Reference Number
	Quantity



INITIAL MILLING LEGEND

	Differential Mill (1" to 1 1/2")
	Differential Mill (Varies - See Plan)

CONSTRUCTION PLAN AND INITIAL MILLING LIMITS

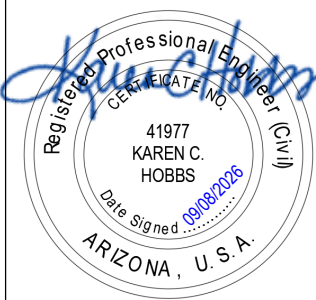


BASE AC PAVEMENT LEGEND

	3" AC Lift
	2-3" AC Lift
	3-3" AC Lift

BASE AC LAYER PLACEMENT AND SECONDARY MILLING LIMITS PLAN

For Additional information on AC Layer Placement, Milling width limits and Depths, See Detail A

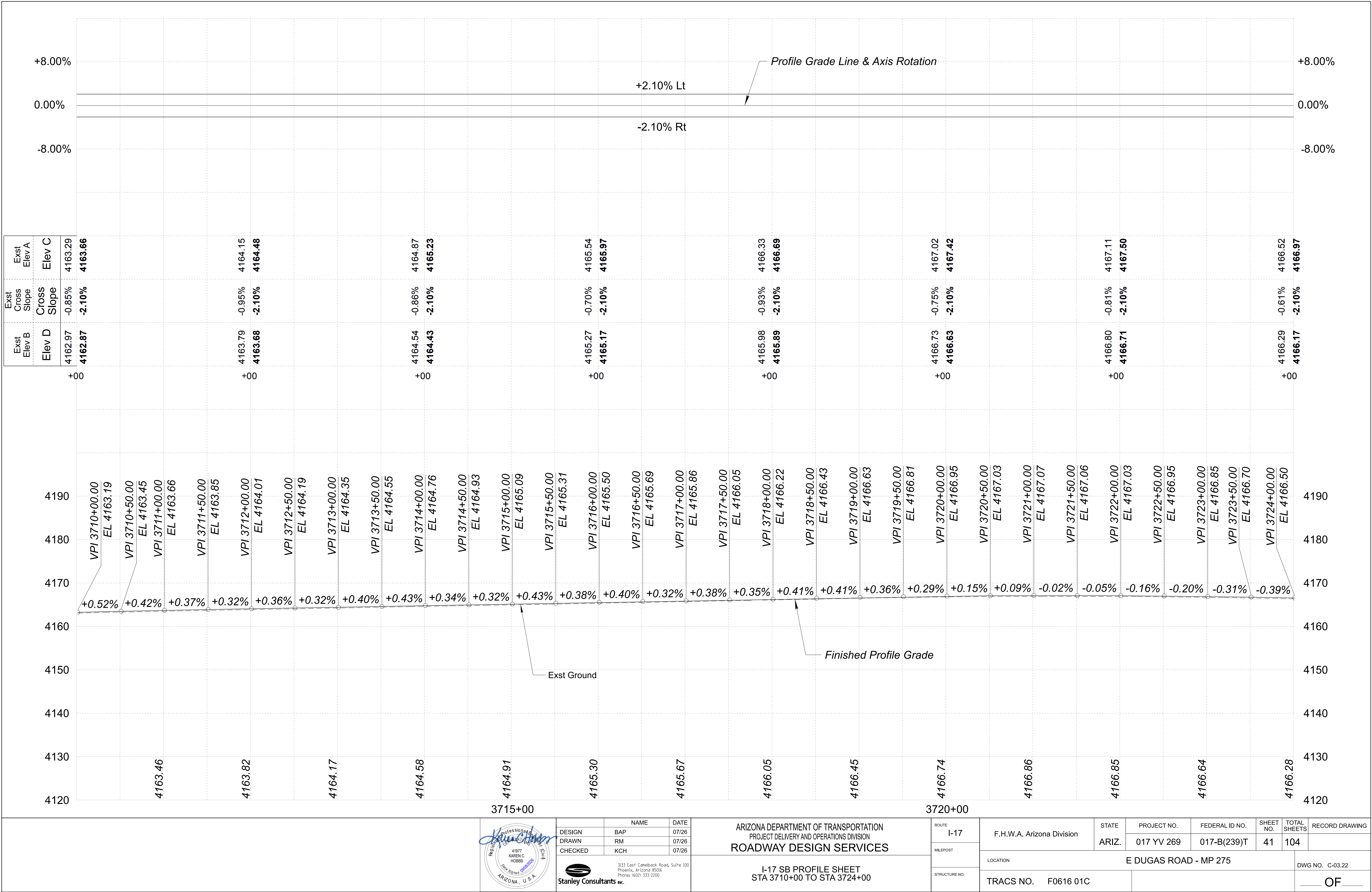


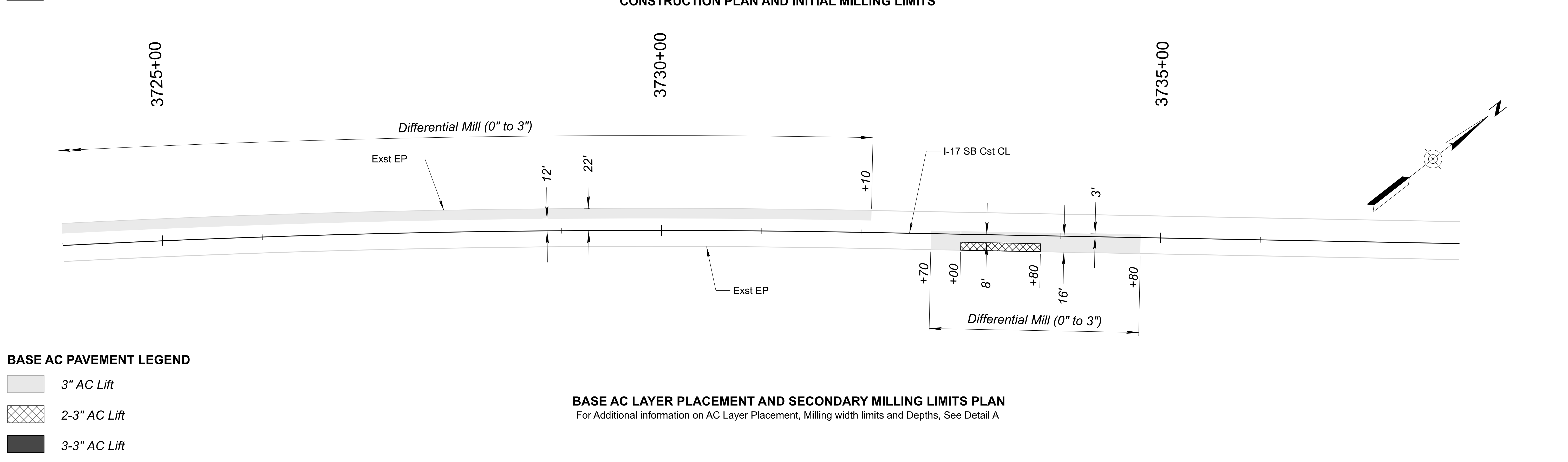
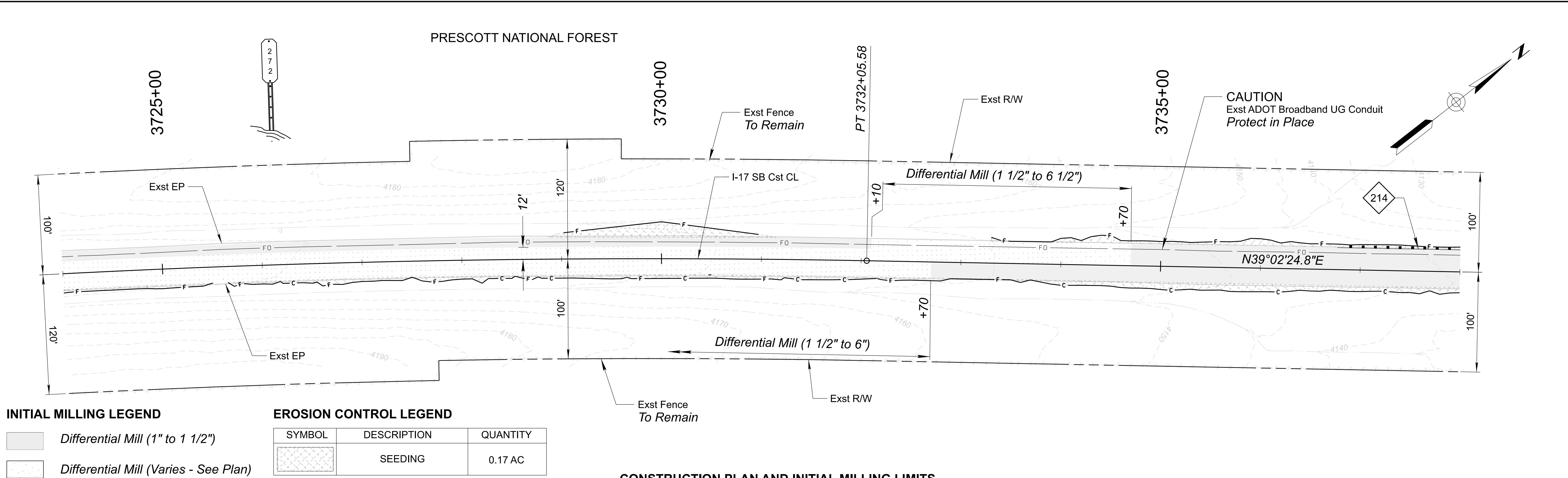
DESIGN	NAME	DATE
BAP		07/26
DRAWN	RM	07/26
CHECKED	KCH	07/26

Stanley Consultants INC.

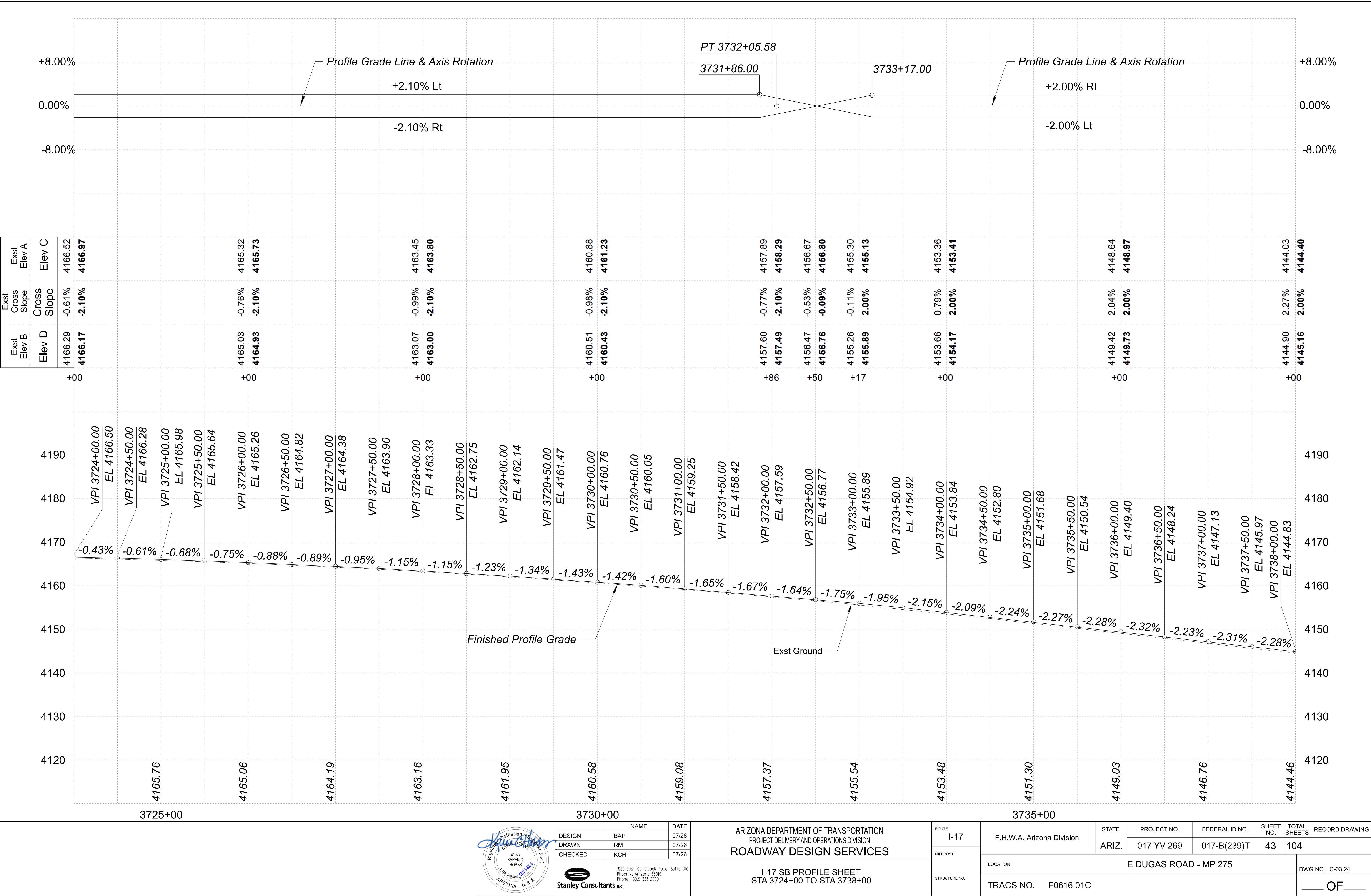
ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SERVICES
I-17 SB PLAN SHEET STA 3710+00 TO STA 3724+00

ROUTE I-17	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. 017 YV 269	FEDERAL ID NO. 017-B(239)T	SHEET NO. 40	TOTAL SHEETS 104	RECORD DRAWING
MILEPOST	LOCATION E DUGAS ROAD - MP 275						DWG NO. C-03.21
STRUCTURE NO.	TRACS NO. F0616 01C						OF





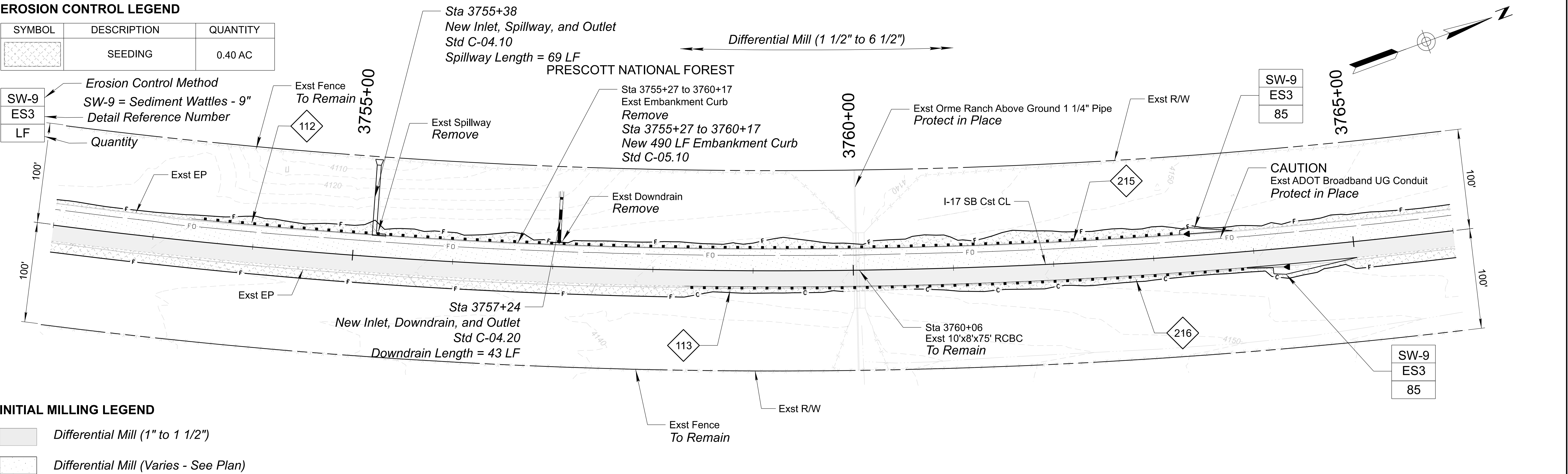
	DESIGN	BAP	NAME	DATE	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SERVICES	ROUTE	I-17	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO.	017 YV 269	FEDERAL ID NO.	017-B(239)T	SHEET NO.	42	TOTAL SHEETS	104	RECORD DRAWING					
	DRAWN	RM		07/26		MILEPOST				LOCATION E DUGAS ROAD - MP 275													
	CHECKED	KCH		07/26		STRUCTURE NO.				DWG NO. C-03.23													
	 3133 East Camelback Road, Suite 100 Phoenix, Arizona 85016 Phone: 602) 335-2200					I-17 SB PLAN SHEET STA 3724+00 TO STA 3738+00					TRACS NO. F0616 01C					____ OF ____							



EROSION CONTROL LEGEND

SYMBOL	DESCRIPTION	QUANTITY
	SEEDING	0.40 AC

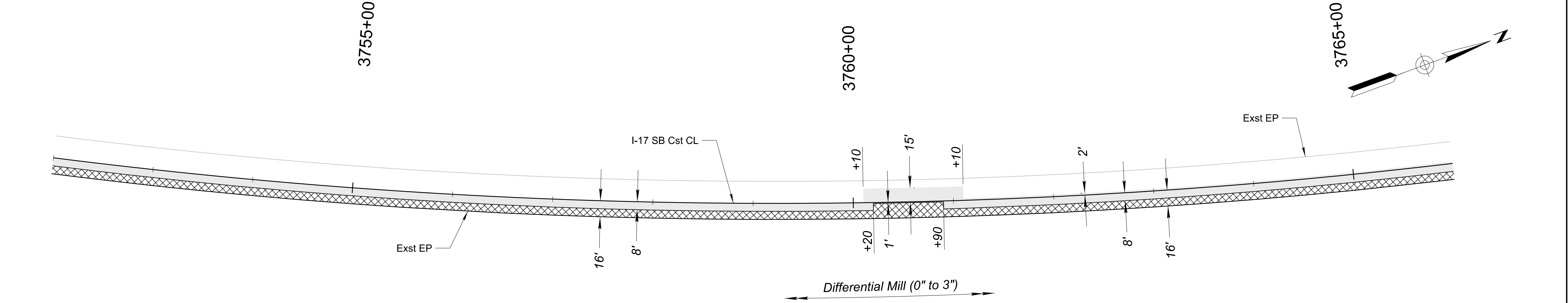
SW-9	Erosion Control Method
ES3	SW-9 = Sediment Wattles - 9"
LF	Detail Reference Number
	Quantity



INITIAL MILLING LEGEND

	Differential Mill (1" to 1 1/2")
	Differential Mill (Varies - See Plan)

CONSTRUCTION PLAN AND INITIAL MILLING LIMITS



BASE AC PAVEMENT LEGEND

	3" AC Lift
	2-3" AC Lift
	3-3" AC Lift

BASE AC LAYER PLACEMENT AND SECONDARY MILLING LIMITS PLAN

For Additional information on AC Layer Placement, Milling width limits and Depths, See Detail A



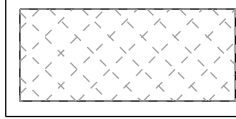
DESIGN	NAME	DATE
BAP		07/26
DRAWN	RM	07/26
CHECKED	KCH	07/26

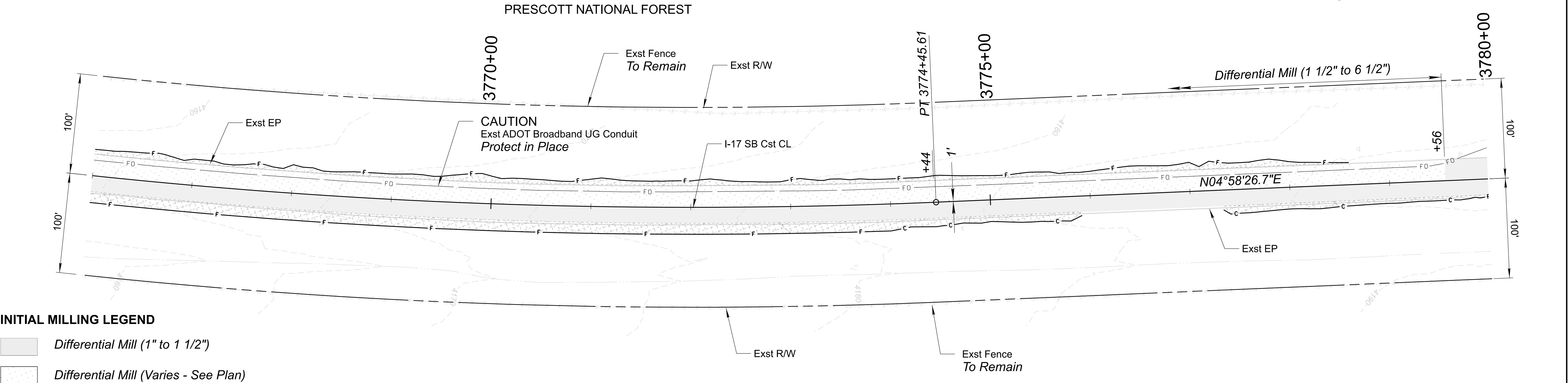
Stanley Consultants INC.

ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SERVICES
I-17 SB PLAN SHEET STA 3752+00 TO STA 3766+00

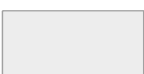
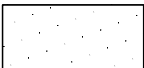
ROUTE I-17	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. 017 YV 269	FEDERAL ID NO. 017-B(239)T	SHEET NO. 46	TOTAL SHEETS 104	RECORD DRAWING
MILEPOST	LOCATION E DUGAS ROAD - MP 275						DWG NO. C-03.27
STRUCTURE NO.	TRACS NO. F0616 01C						OF

EROSION CONTROL LEGEND

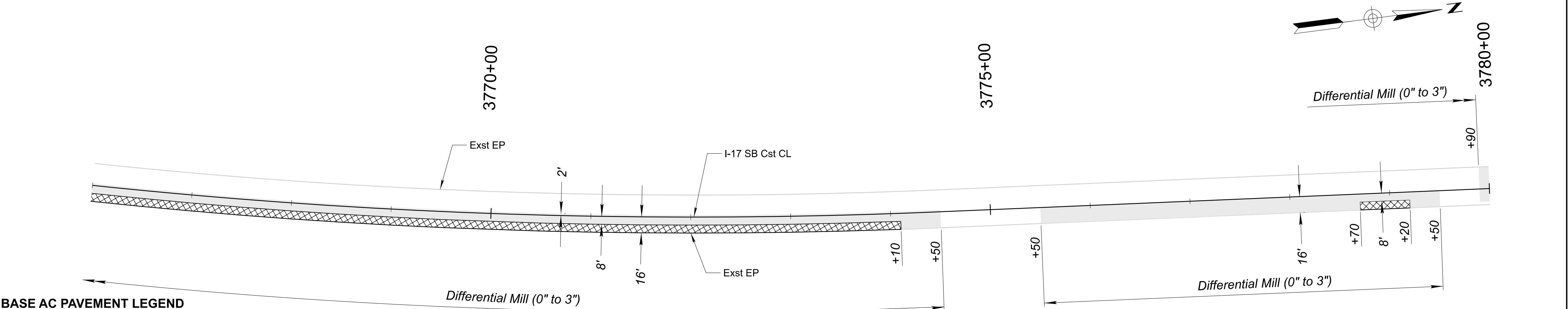
SYMBOL	DESCRIPTION	QUANTITY
	SEEDING	0.29 AC



INITIAL MILLING LEGEND

	Differential Mill (1" to 1 1/2")
	Differential Mill (Varies - See Plan)

CONSTRUCTION PLAN AND INITIAL MILLING LIMITS



BASE AC PAVEMENT LEGEND

	3" AC Lift
	2-3" AC Lift
	3-3" AC Lift

BASE AC LAYER PLACEMENT AND SECONDARY MILLING LIMITS PLAN

For Additional information on AC Layer Placement, Milling width limits and Depths, See Detail A



DESIGN	NAME	DATE
BAP		07/26
DRAWN	RM	07/26
CHECKED	KCH	07/26

Stanley Consultants INC.

ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SERVICES
I-17 SB PLAN SHEET STA 3766+00 TO STA 3780+00

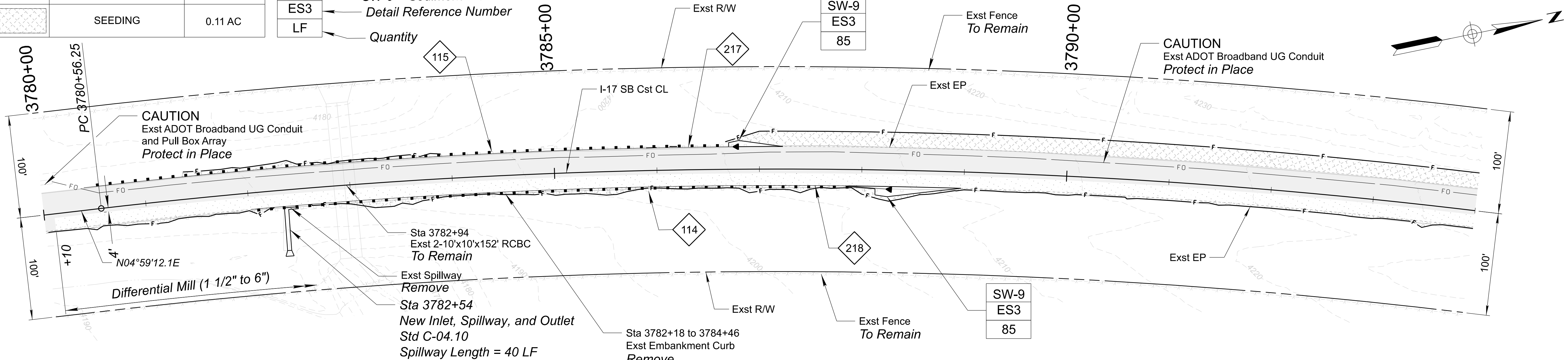
ROUTE I-17	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. 017 YV 269	FEDERAL ID NO. 017-B(239)T	SHEET NO. 48	TOTAL SHEETS 104	RECORD DRAWING
MILEPOST	E DUGAS ROAD - MP 275						DWG NO. C-03.29
STRUCTURE NO.	TRACS NO. F0616 01C						OF

EROSION CONTROL LEGEND

SYMBOL	DESCRIPTION	QUANTITY
	SEEDING	0.11 AC

SYMBOL	DESCRIPTION	QUANTITY
SW-9	SW-9 = Sediment Wattles - 9"	
ES3	Detail Reference Number	
LF	Quantity	

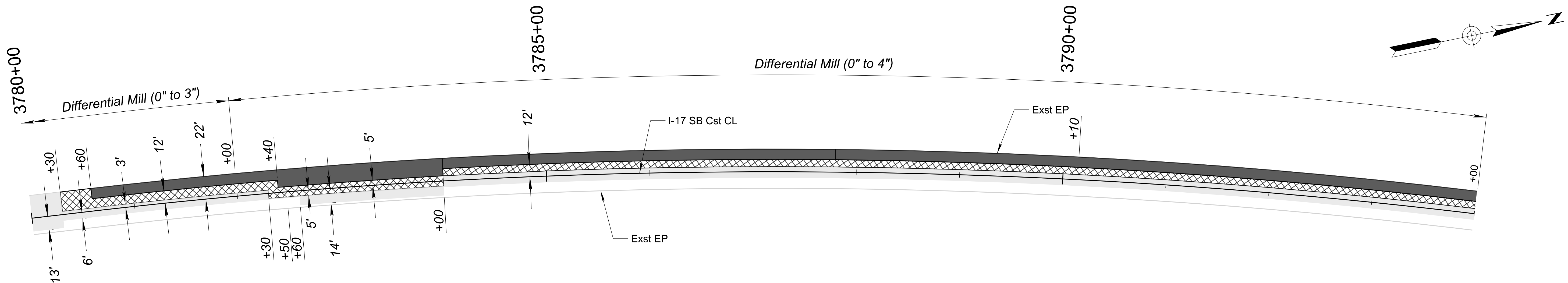
PRESCOTT NATIONAL FOREST



INITIAL MILLING LEGEND

	Differential Mill (1" to 1 1/2")
	Differential Mill (Varies - See Plan)

CONSTRUCTION PLAN AND INITIAL MILLING LIMITS

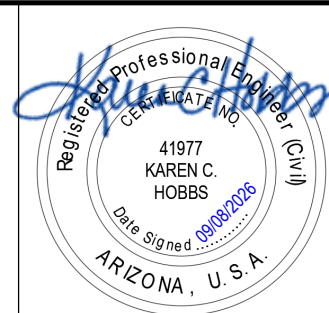


BASE AC PAVEMENT LEGEND

	3" AC Lift		Sta 3782+50 to 3790+10
	2-3" AC Lift		Sta 3782+00 to 3782+50
	3-3" AC Lift		Sta 3790+10 to 3794+00
			4" AC Lift
			2-3" AC Lifts
			2-4" AC Lifts
			3" AC Lift

BASE AC LAYER PLACEMENT AND SECONDARY MILLING LIMITS PLAN

For Additional information on AC Layer Placement, Milling width limits and Depths, See Detail A



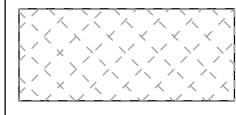
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BAP		07/26
DRAWN	RM	07/26
CHECKED	KCH	07/26

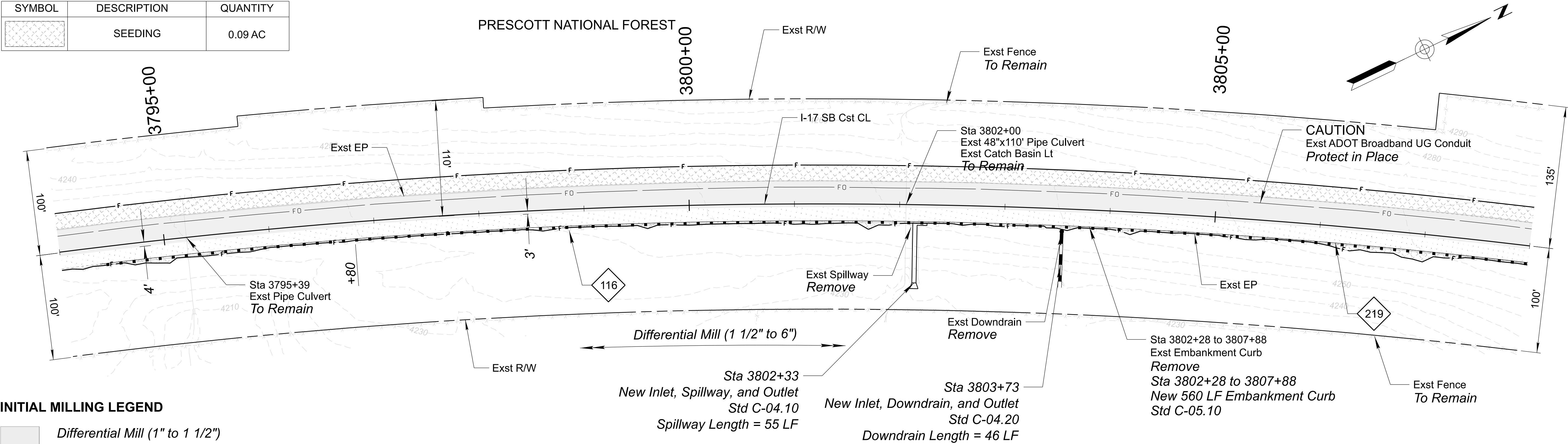
Stanley Consultants INC.

ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SERVICES
I-17 SB PLAN SHEET STA 3780+00 TO STA 3794+00

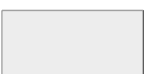
ROUTE I-17	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. 017 YV 269	FEDERAL ID NO. 017-B(239)T	SHEET NO. 50	TOTAL SHEETS 104	RECORD DRAWING
MILEPOST	LOCATION E DUGAS ROAD - MP 275						DWG NO. C-03.31
STRUCTURE NO.	TRACS NO. F0616 01C						OF

EROSION CONTROL LEGEND

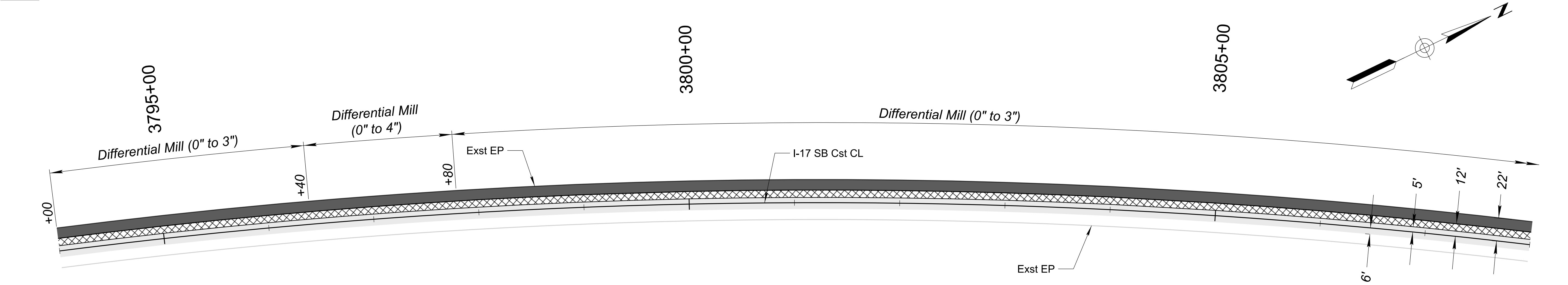
SYMBOL	DESCRIPTION	QUANTITY
	SEEDING	0.09 AC



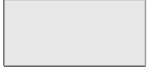
INITIAL MILLING LEGEND

	Differential Mill (1" to 1 1/2")
	Differential Mill (Varies - See Plan)

CONSTRUCTION PLAN AND INITIAL MILLING LIMITS



BASE AC PAVEMENT LEGEND

	3" AC Lift
	2-3" AC Lift
	3-3" AC Lift
☐	Sta 3796+40 to 3797+80
☐	4" AC Lift
☐	2-3" AC Lifts

BASE AC LAYER PLACEMENT AND SECONDARY MILLING LIMITS PLAN

For Additional information on AC Layer Placement, Milling width limits and Depths, See Detail A



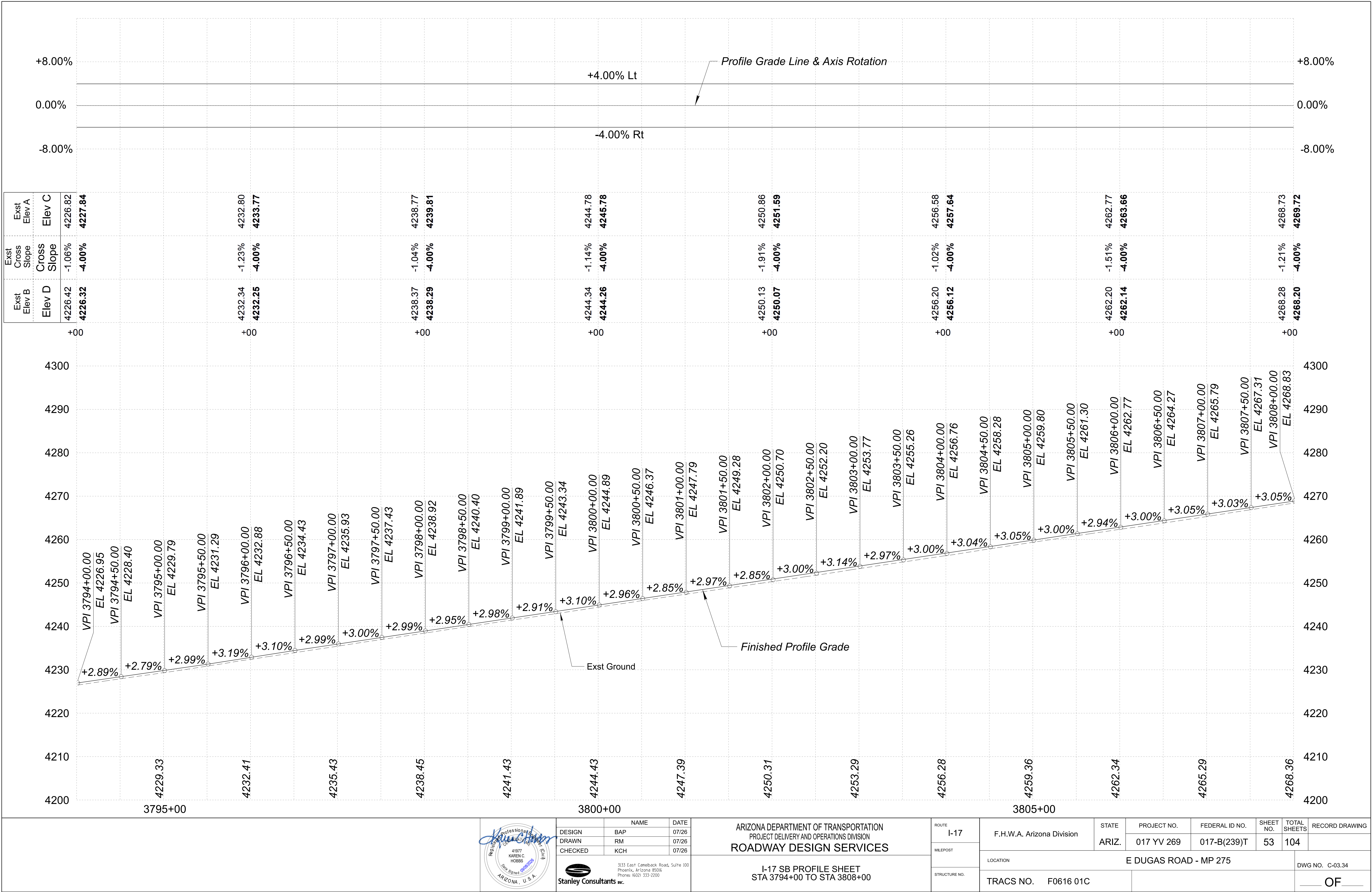
DESIGN	NAME	DATE
BAP		07/26
DRAWN	RM	07/26
CHECKED	KCH	07/26

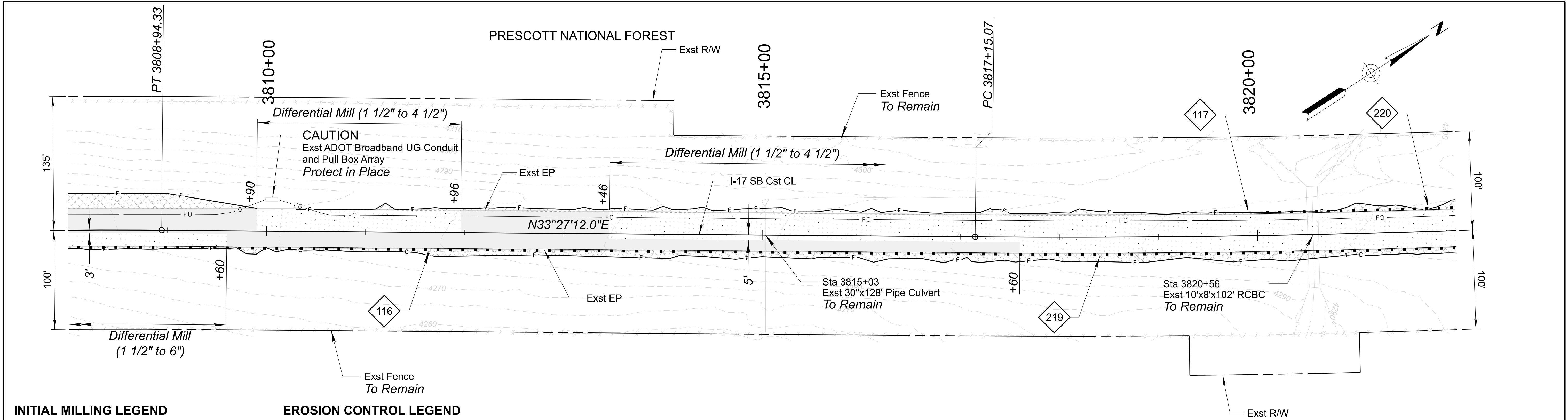
Stanley Consultants INC.

ARIZONA DEPARTMENT OF TRANSPORTATION
PROJECT DELIVERY AND OPERATIONS DIVISION
ROADWAY DESIGN SERVICES

I-17 SB PLAN SHEET
STA 3794+00 TO STA 3808+00

ROUTE I-17	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. 017 YV 269	FEDERAL ID NO. 017-B(239)T	SHEET NO. 52	TOTAL SHEETS 104	RECORD DRAWING
MILEPOST	LOCATION E DUGAS ROAD - MP 275						DWG NO. C-03.33
STRUCTURE NO.	TRACS NO. F0616 01C						OF





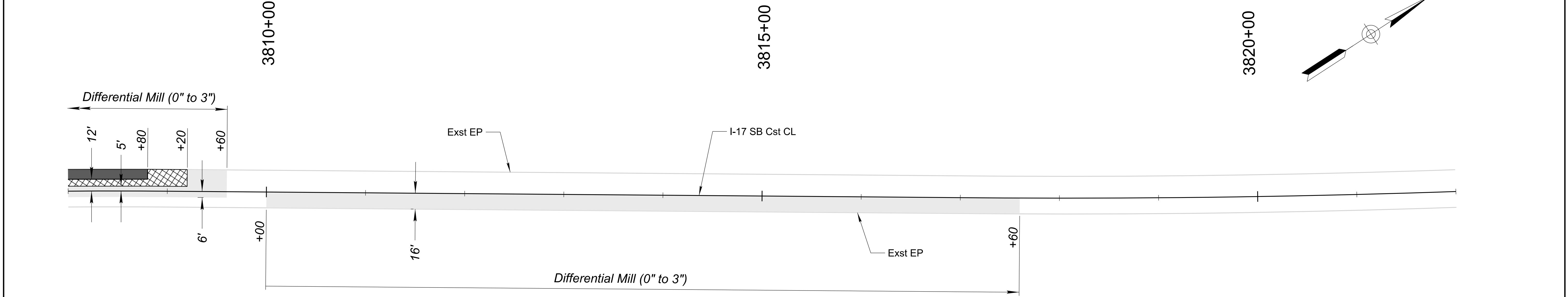
INITIAL MILLING LEGEND

- Differential Mill (1" to 1 1/2")
- Differential Mill (Varies - See Plan)

EROSION CONTROL LEGEND

SYMBOL	DESCRIPTION	QUANTITY
	SEEDING	0.29 AC

CONSTRUCTION PLAN AND INITIAL MILLING LIMITS

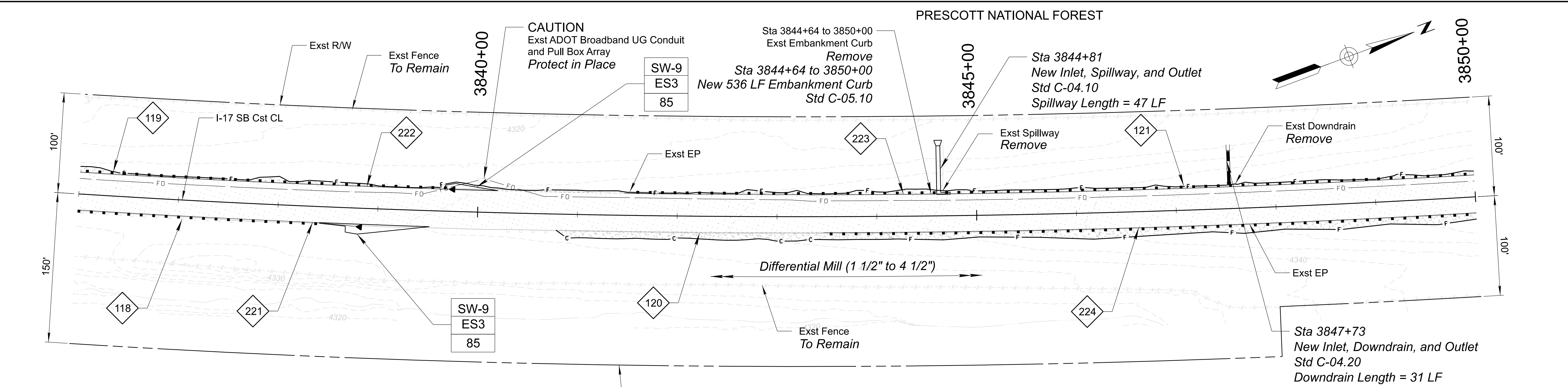


BASE AC PAVEMENT LEGEND

- 3" AC Lift
- 2-3" AC Lift
- 3-3" AC Lift

BASE AC LAYER PLACEMENT AND SECONDARY MILLING LIMITS PLAN
For Additional information on AC Layer Placement, Milling width limits and Depths, See Detail A

	DESIGN	BAP	DATE	07/26	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SERVICES	ROUTE	I-17	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING	
	DRAWN	RM		07/26		MILEPOST				017 YV 269	017-B(239)T	54	104		
	CHECKED	KCH		07/26											
	 3135 East Camelback Road, Suite 100 Phoenix, Arizona 85016 Phone: 602.335-2200					I-17 SB PLAN SHEET STA 3808+00 TO STA 3822+00				E DUGAS ROAD - MP 275					
							STRUCTURE NO.		TRACS NO. F0616 01C		____ OF ____				



INITIAL MILLING LEGEND

Differential Mill (Varies - See Plan)

EROSION CONTROL LEGEND

SYMBOL	DESCRIPTION	QUANTITY
	SEEDING	0.24 AC

SW-9 Erosion Control Method
SW-9 = Sediment Wattles - 9"
ES3 Detail Reference Number
LF Quantity

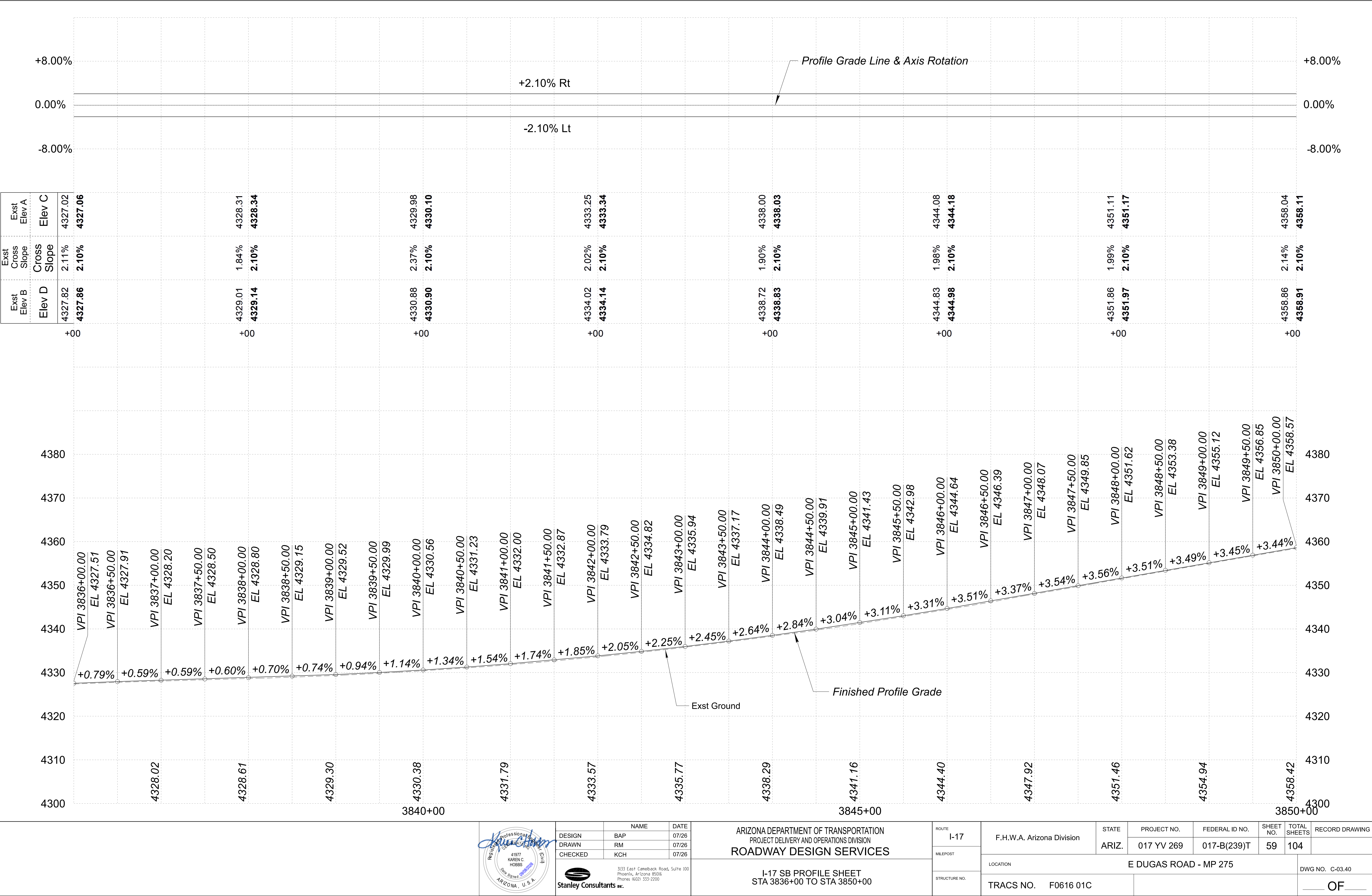
BASE AC PAVEMENT LEGEND

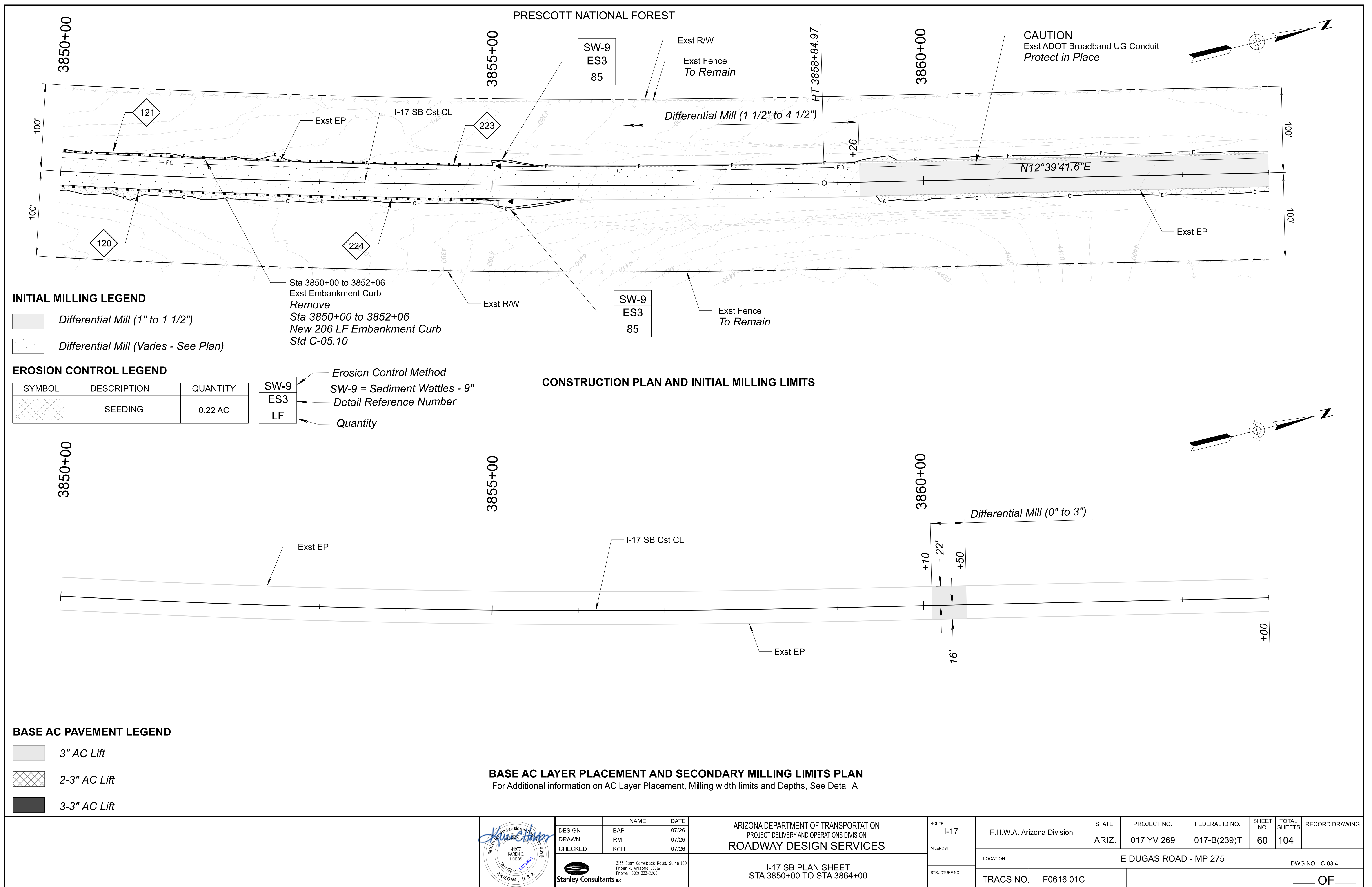
3" AC Lift
2-3" AC Lift
3-3" AC Lift

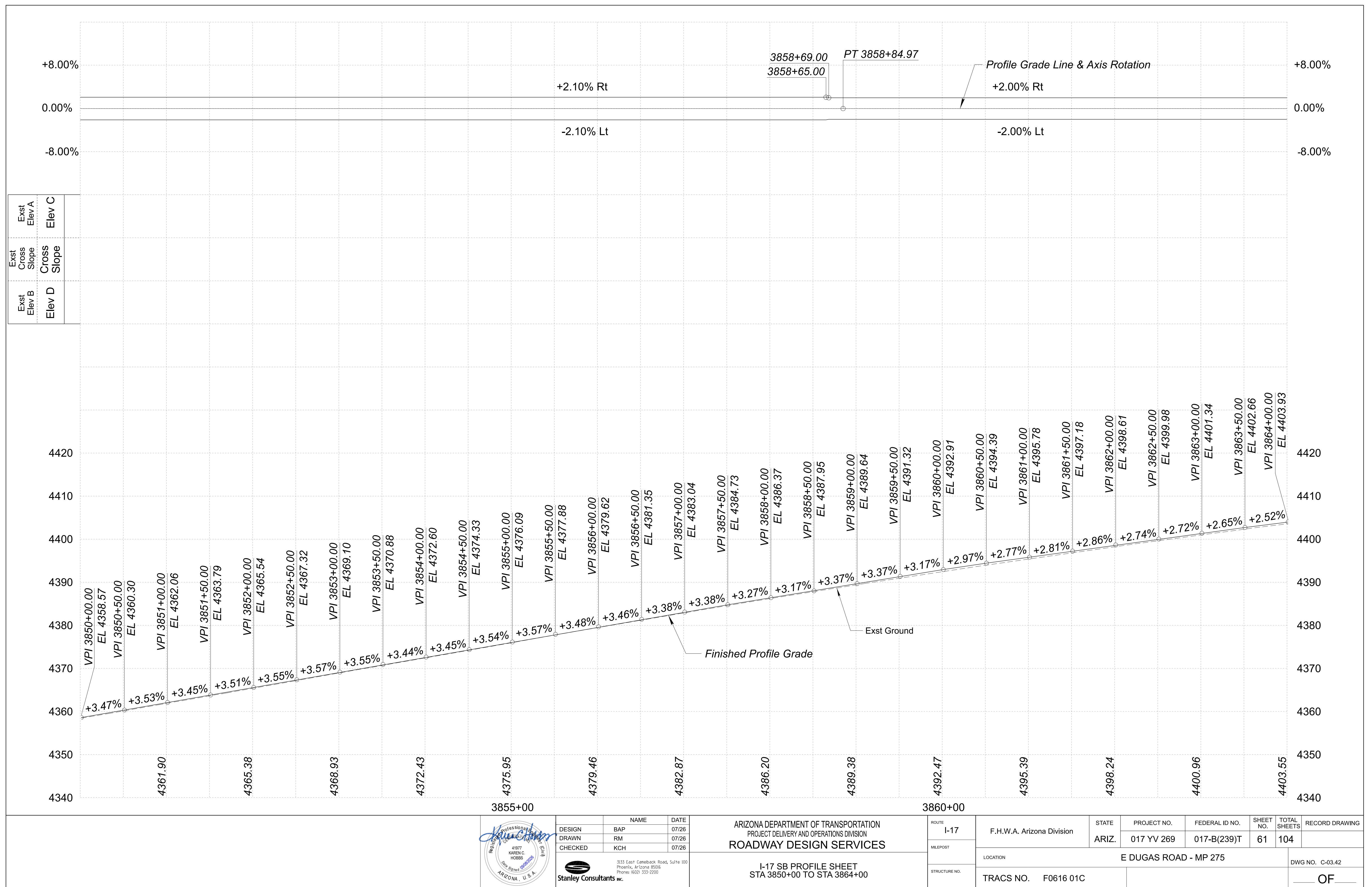
BASE AC LAYER PLACEMENT AND SECONDARY MILLING LIMITS PLAN

For Additional information on AC Layer Placement, Milling width limits and Depths, See Detail A

	<table><tr><th></th><th>NAME</th><th>DATE</th></tr><tr><td>DESIGN</td><td>BAP</td><td>07/26</td></tr><tr><td>DRAWN</td><td>RM</td><td>07/26</td></tr><tr><td>CHECKED</td><td>KCH</td><td>07/26</td></tr></table>				NAME	DATE	DESIGN	BAP	07/26	DRAWN	RM	07/26	CHECKED	KCH	07/26	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SERVICES I-17 SB PLAN SHEET STA 3836+00 TO STA 3850+00	ROUTE I-17	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. 017 YV 269	FEDERAL ID NO. 017-B(239)T	SHEET NO. 58	TOTAL SHEETS 104	RECORD DRAWING
		NAME	DATE																					
	DESIGN	BAP	07/26																					
	DRAWN	RM	07/26																					
	CHECKED	KCH	07/26																					
MILEPOST	LOCATION E DUGAS ROAD - MP 275								DWG NO. C-03.39															
STRUCTURE NO.	TRACS NO. F0616 01C								OF															



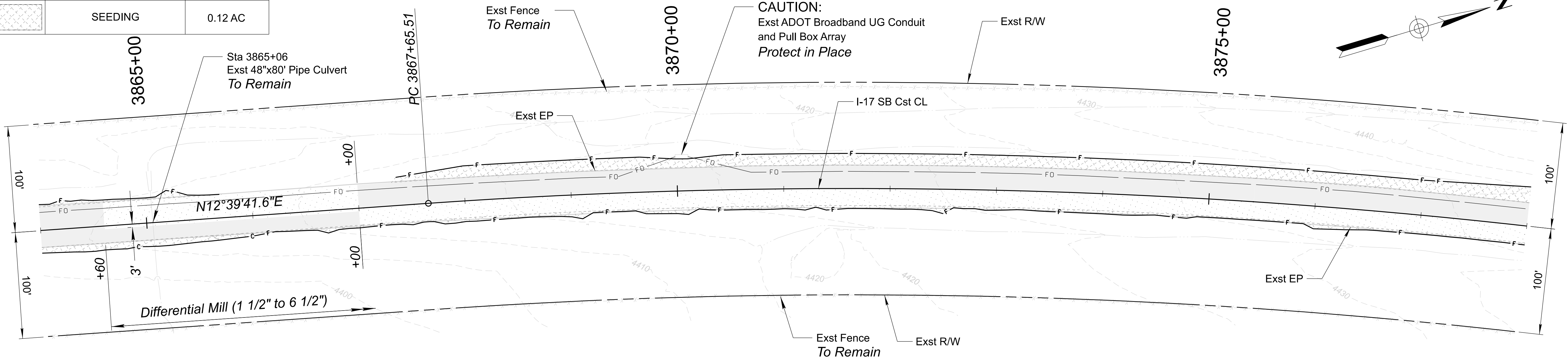




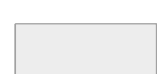
EROSION CONTROL LEGEND

SYMBOL	DESCRIPTION	QUANTITY
	SEEDING	0.12 AC

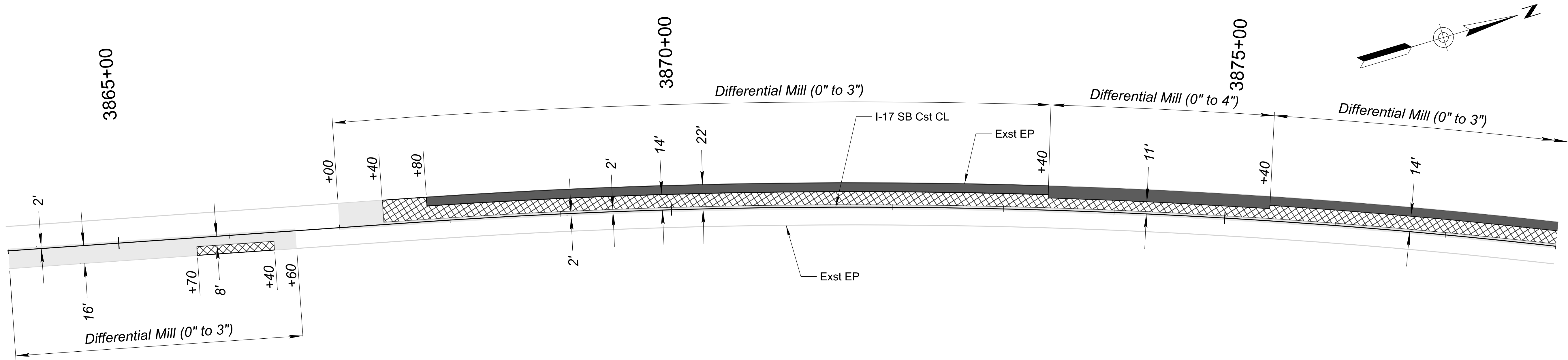
PRESCOTT NATIONAL FOREST



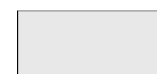
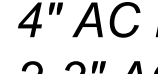
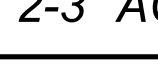
INITIAL MILLING LEGEND

	Differential Mill (1" to 1 1/2")
	Differential Mill (Varies - See Plan)

CONSTRUCTION PLAN AND INITIAL MILLING LIMITS



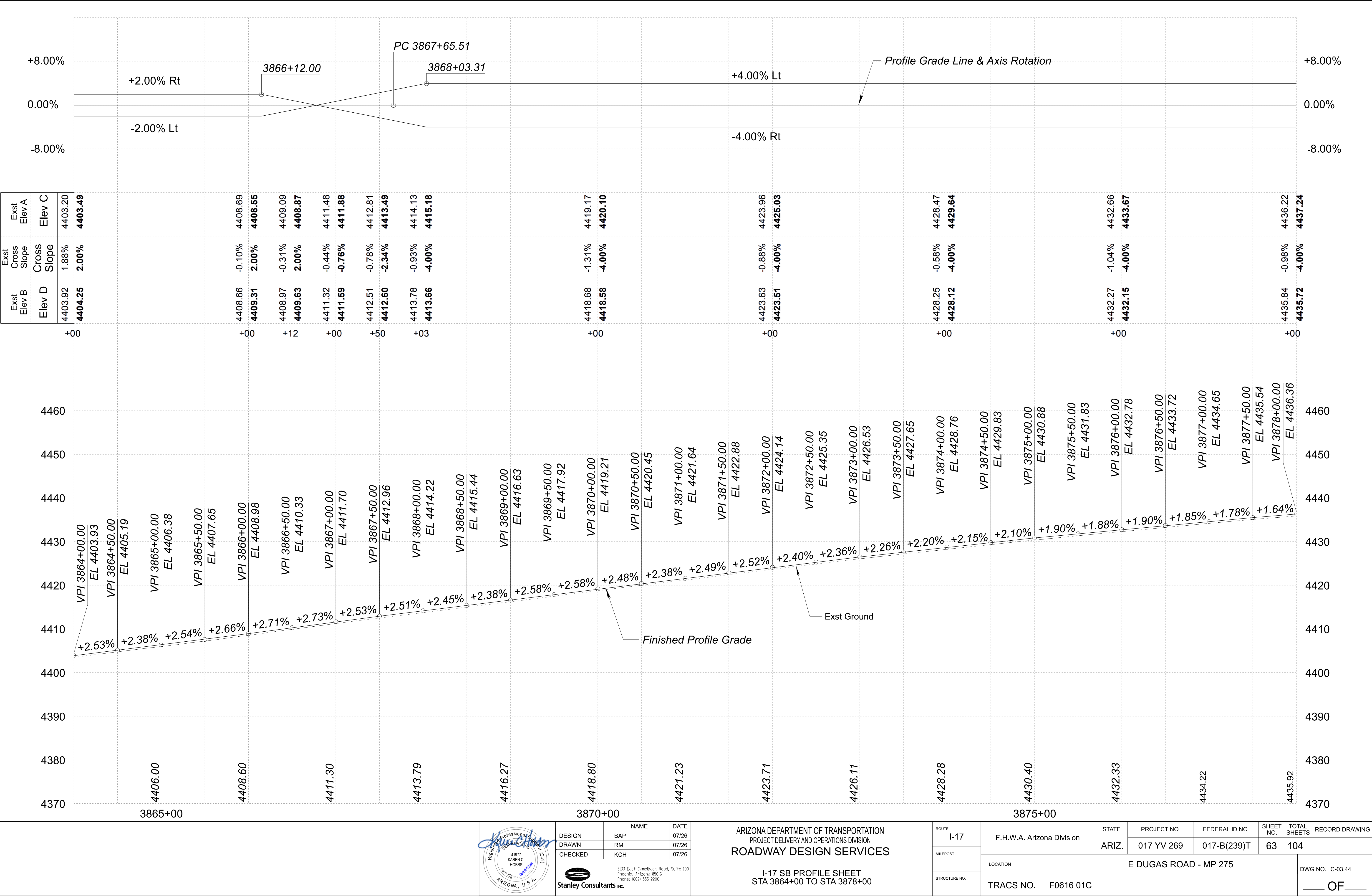
BASE AC PAVEMENT LEGEND

	3" AC Lift
	2-3" AC Lift
	3-3" AC Lift
	Sta 3873+40 to 3875+40
	4" AC Lift
	2-3" AC Lifts

BASE AC LAYER PLACEMENT AND SECONDARY MILLING LIMITS PLAN

For Additional information on AC Layer Placement, Milling width limits and Depths, See Detail A

	DESIGN	BAP	DATE	07/26	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SERVICES	ROUTE	I-17	F.H.W.A. Arizona Division	STATE	ARIZ.	PROJECT NO.	017 YV 269	FEDERAL ID NO.	017-B(239)T	SHEET NO.	62	TOTAL SHEETS	104	RECORD DRAWING	
	DRAWN	RM		07/26		MILEPOST							E DUGAS ROAD - MP 275				DWG NO. C-03.43			
	CHECKED	KCH		07/26		STRUCTURE NO.						TRACS NO. F0616 01C				OF				
	 Stanley Consultants INC.																			

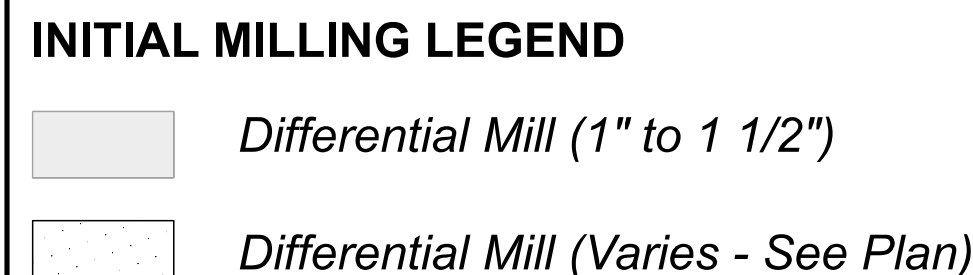


DESIGN	BAP	NAME	DATE
DRAWN	RM		07/26
CHECKED	KCH		07/26
3133 East Camelback Road, Suite 100 Phoenix, Arizona 85016 Phone: (602) 335-2200 Stanley Consultants INC.			

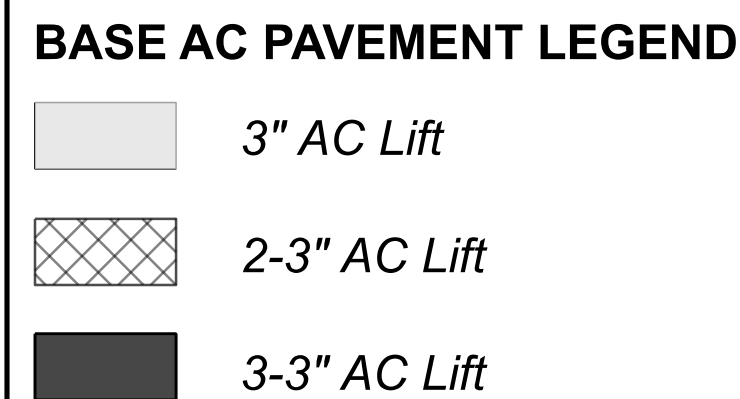
ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SERVICES	
I-17 SB PROFILE SHEET STA 3864+00 TO STA 3878+00	

ROUTE	I-17	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING	
MILEPOST			ARIZ.	017 YV 269	017-B(239)T	63	104		
STRUCTURE NO.	LOCATION						E DUGAS ROAD - MP 275		DWG NO. C-03.44
	TRACS NO. F0616 01C						____ OF ____		

SYMBOL	DESCRIPTION	QUANTITY
	SEEDING	0.08 AC

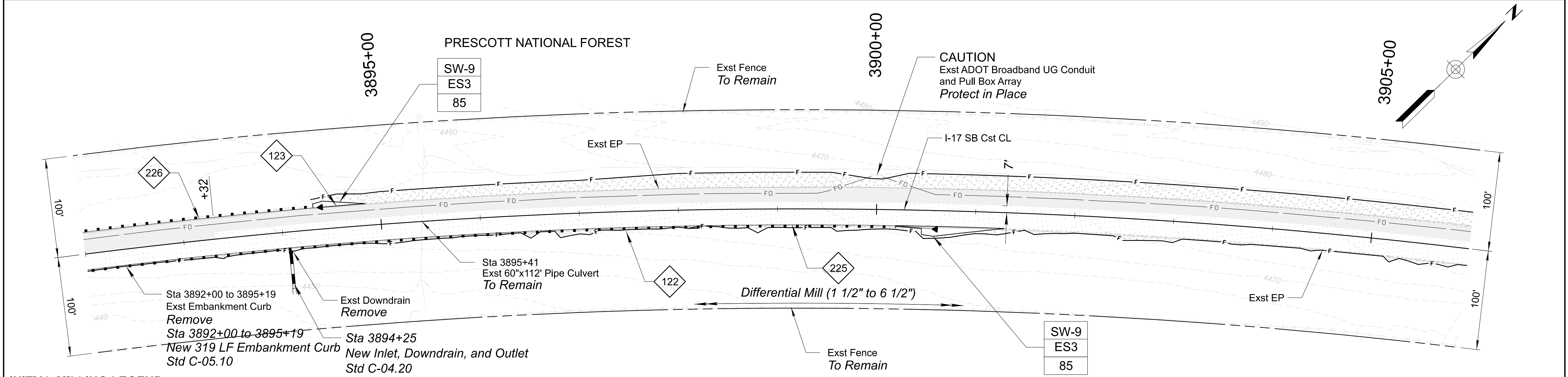


ITS Sta 3888+85 to 3892+00
New 315 LF Embankment Curb
Std C-05.10



For Additional information on AC Layer Placement, Milling width limits and Depths, See Detail A

Professional Engineer Karen C. Hobbs 41977 KAREN C. HOBBS 08/20/2020 ARIZONA, U.S.A. Registered Professional Engineer State of Arizona Date Signed Date Expiration	<table><tr><th></th><th>NAME</th><th>DATE</th></tr><tr><td>DESIGN</td><td>BAP</td><td>07/26</td></tr><tr><td>DRAWN</td><td>RM</td><td>07/26</td></tr><tr><td>CHECKED</td><td>KCH</td><td>07/26</td></tr></table>			NAME	DATE	DESIGN	BAP	07/26	DRAWN	RM	07/26	CHECKED	KCH	07/26	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SERVICES		ROUTE I-17	F.H.W.A. Arizona Division		STATE ARIZ.	PROJECT NO. 017 YV 269	FEDERAL ID NO. 017-B(239)T	SHEET NO. 64	TOTAL SHEETS 104	RECORD DRAWING
		NAME	DATE																						
	DESIGN	BAP	07/26																						
	DRAWN	RM	07/26																						
CHECKED	KCH	07/26																							
Stanley Consultants INC. 3133 East Camelback Road, Suite 100 Phoenix, Arizona 85016 Phone: (602) 333-2200		I-17 SB PLAN SHEET STA 3878+00 TO STA 3892+00		MILEPOST	LOCATION E DUGAS ROAD - MP 275		DWG NO. C-03.45																		
Stanley Consultants INC.				STRUCTURE NO.	TRACS NO. F0616 01C				OF																



INITIAL MILLING LEGEND

- Differential Mill (1" to 1 1/2")
- Differential Mill (Varies - See Plan)

EROSION CONTROL LEGEND

SYMBOL	DESCRIPTION	QUANTITY
	SEEDING	0.09 AC

- SW-9 = Erosion Control Method
- ES3 = Detail Reference Number
- LF = Quantity

BASE AC PAVEMENT LEGEND

- 3" AC Lift
- 2-3" AC Lift
- 3-3" AC Lift

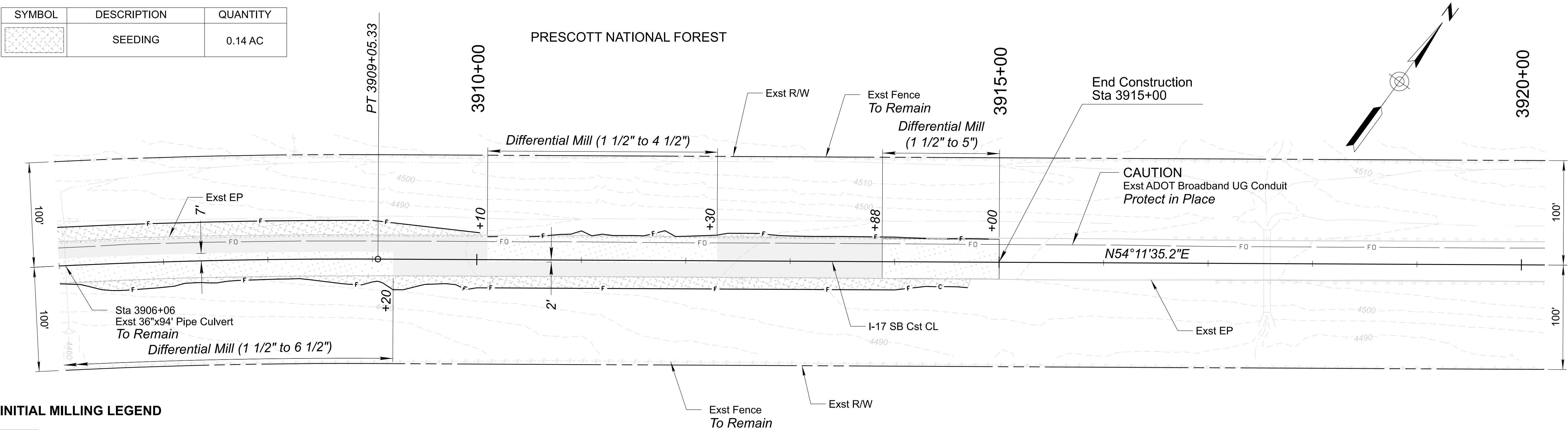
BASE AC LAYER PLACEMENT AND SECONDARY MILLING LIMITS PLAN

For Additional information on AC Layer Placement, Milling width limits and Depths, See Detail A

 41977 KAREN C. HOBBS Date Stamp ARIZONA, U.S.A.	DESIGN	BAP	DATE	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SERVICES	ROUTE	I-17	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO.	017 YV 269	FEDERAL ID NO.	017-B(239)T	SHEET NO.	66	TOTAL SHEETS	104	RECORD DRAWING				
	DRAWN	RM	DATE		07/26	MILEPOST				LOCATION E DUGAS ROAD - MP 275											
	CHECKED	KCH	DATE		07/26	STRUCTURE NO.				TRACS NO. F0616 01C											
	 3133 East Camelback Road, Suite 100 Phoenix, Arizona 85016 Phone: 1602 335-2200 Stanley Consultants INC.					I-17 SB PLAN SHEET STA 3892+00 TO STA 3906+00					DWG NO. C-03.47 ____ OF ____										

EROSION CONTROL LEGEND

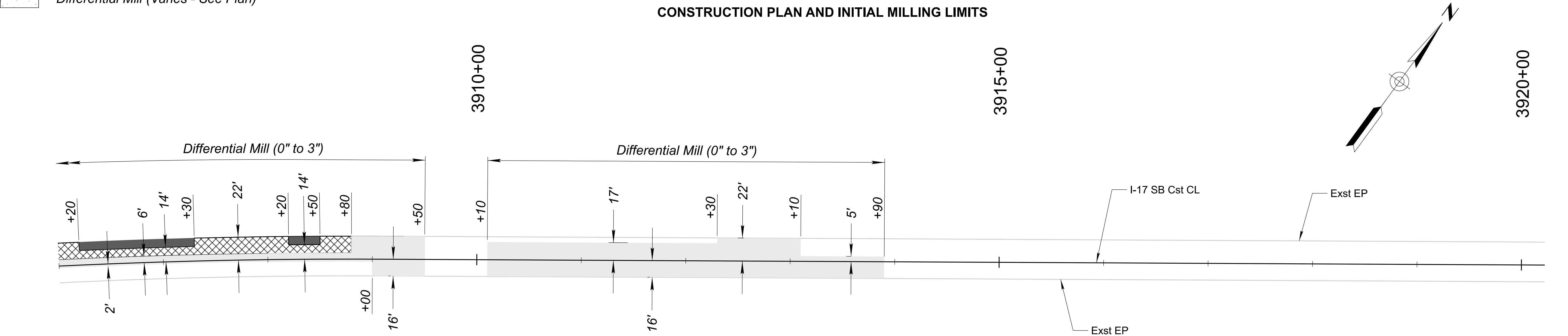
SYMBOL	DESCRIPTION	QUANTITY
	SEEDING	0.14 AC



INITIAL MILLING LEGEND

	Differential Mill (1" to 1 1/2")
	Differential Mill (Varies - See Plan)

CONSTRUCTION PLAN AND INITIAL MILLING LIMITS



BASE AC PAVEMENT LEGEND

	3" AC Lift
	2-3" AC Lift
	3-3" AC Lift

BASE AC LAYER PLACEMENT AND SECONDARY MILLING LIMITS PLAN

For Additional information on AC Layer Placement, Milling width limits and Depths, See Detail A



	NAME	DATE
DESIGN	BAP	07/26
DRAWN	RM	07/26
CHECKED	KCH	07/26

Stanley Consultants INC.
3133 East Camelback Road, Suite 100
Phoenix, Arizona 85016
Phone: 1602) 333-2200

ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SERVICES	ROUTE I-17
I-17 SB PLAN SHEET STA 3906+00 TO STA 3920+00	MILEPOST
	STRUCTURE NO.

STATE ARIZ.	PROJECT NO. 017 YV 269	FEDERAL ID NO. 017-B(239)T	SHEET NO. 68	TOTAL SHEETS 104	RECORD DRAWING
LOCATION E DUGAS ROAD - MP 275		DWG NO. C-03.49		OF	
TRACS NO. F0616 01C					

EROSION CONTROL LEGEND

XX-X	Erosion Control Method
ES	SW-9= Sediment Wattles - 9"
LF	SL-20 = Sediment Logs - 20"
	Detail Reference Number
	Quantity

LEGEND

	PSS No.3	1335 SY
	PSS No. 3 & Remove AC	346 SY

DETOUR

NOTE:

Removal of existing AC pavement will be measured and paid for under Bid Item 2020029 - Removal of Asphaltic Concrete Pavement.

CURVE DATA

PI Sta 3586+14.44
N 1241396.816
E 653985.787

Total Curve
Δ=16°23'25.1" Rt
T=260.47'
L=519.52'
R+o=2866.10'
Ext=30.88'

Main Curve
Δ=10°23'25.1" Rt
D=02°00'00.0"
R=2864.79'
L=519.52'

Spiral Curve
Δ=03°00'00.0" Rt
L=300.00'
o=1.31'
t=149.99'

EROSION CONTROL LEGEND

SYMBOL	DESCRIPTION	QUANTITY
	SEEDING	1.35 AC

LEGEND

	Remove AC	1393 SY
--	-----------	---------

DETOUR REMOVAL

NOTE:

No measurement or direct payment will be made for removal of the AC, pipes, catch basins, removal and reset of end sections or excavation; the cost being considered as included in Item No. 2020152 - Remove Detour.

SECTION A-A

I-17 NB Cst CL

SECTION B-B

EROSION CONTROL LEGEND

SW-9	Erosion Control Method
ES1	SW-9 = Sediment Wattles - 9"
LF	Detail Reference Number
	Quantity

I-17 SB North Detour Cst CL

PC 3923+77.94
N 1268869.105
E 671215.015
SW-9
ES1
494
SW-9
ES1
448

LEGEND

	PSS No.3	1301 SY
	PSS No. 3 & Remove AC	122 SY

LEGEND

Remove AC 1160 SY

EROSION CONTROL LEGEND

SYMBOL	DESCRIPTION	QUANTITY
	SEEDING	2.54 AC

XX-X	Erosion Control Method
ES	SW-9 = Sediment Wattles - 9"
LF	SL-20 = Sediment Logs - 20"
	Detail Reference Number
	Quantity

DETOUR

NOTE:

Removal of existing AC pavement will be measured and paid for under Bid Item 2020029 - Removal of Asphaltic Concrete Pavement.

SB9 CURVE DATA

PI Sta 3943+00.02
N 1269993.629
E 672773.810

Main Curve
Δ=37°05'23.3" Lt
D=01°00'00.0"
R=5729.57
L=3708.97

SL-20
ES2
8

LEGEND

Remove AC 1160 SY

EROSION CONTROL LEGEND

SYMBOL	DESCRIPTION	QUANTITY
	SEEDING	2.54 AC

XX-X	Erosion Control Method
ES	SW-9 = Sediment Wattles - 9"
LF	SL-20 = Sediment Logs - 20"
	Detail Reference Number
	Quantity

DETOUR REMOVAL

NOTE:

No measurement or direct payment will be made for removal of the AC, pipes, catch basins, end sections, or excavation; the cost being considered as included in Item No. 2020152 - Remove Detour.

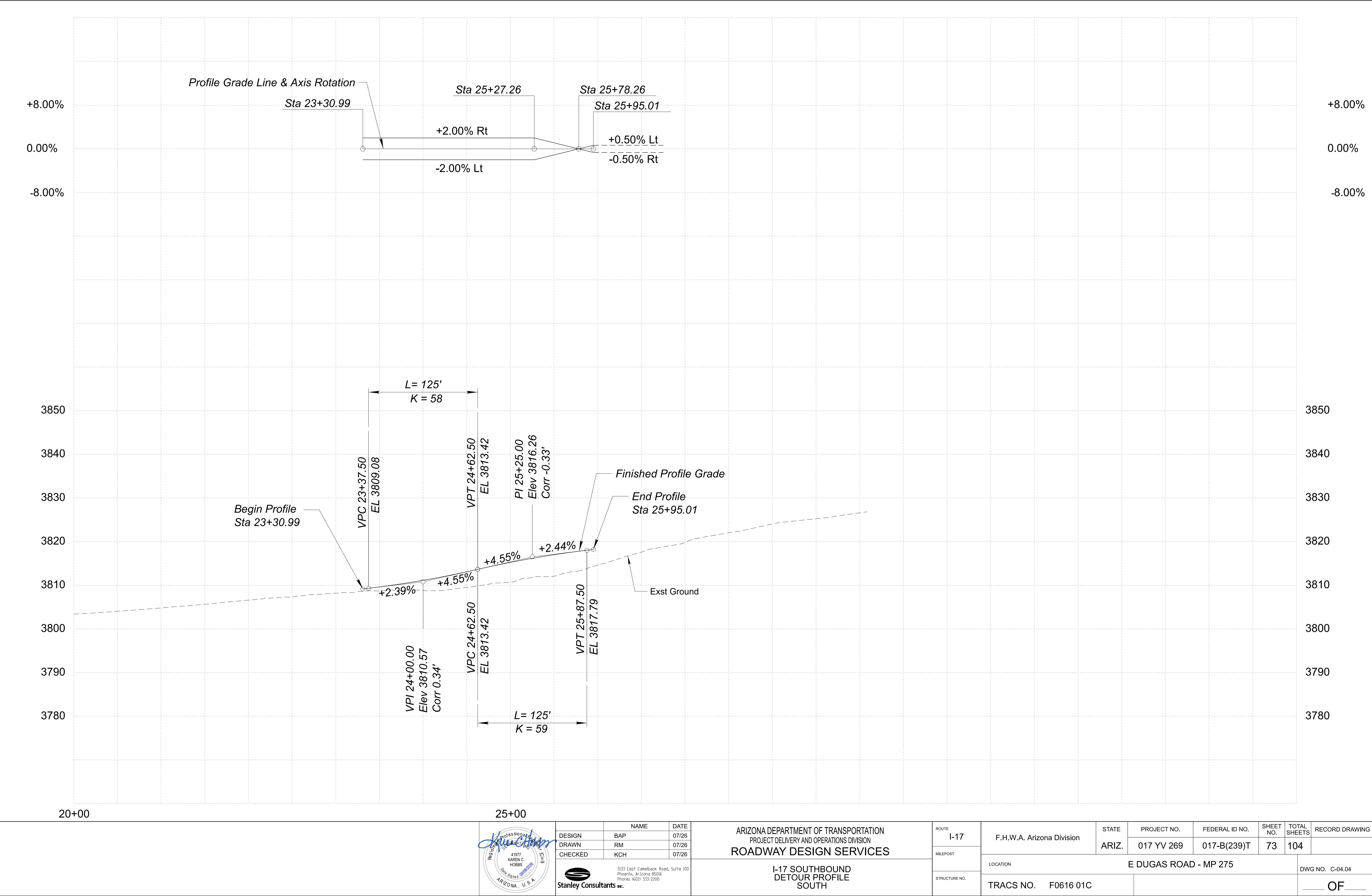


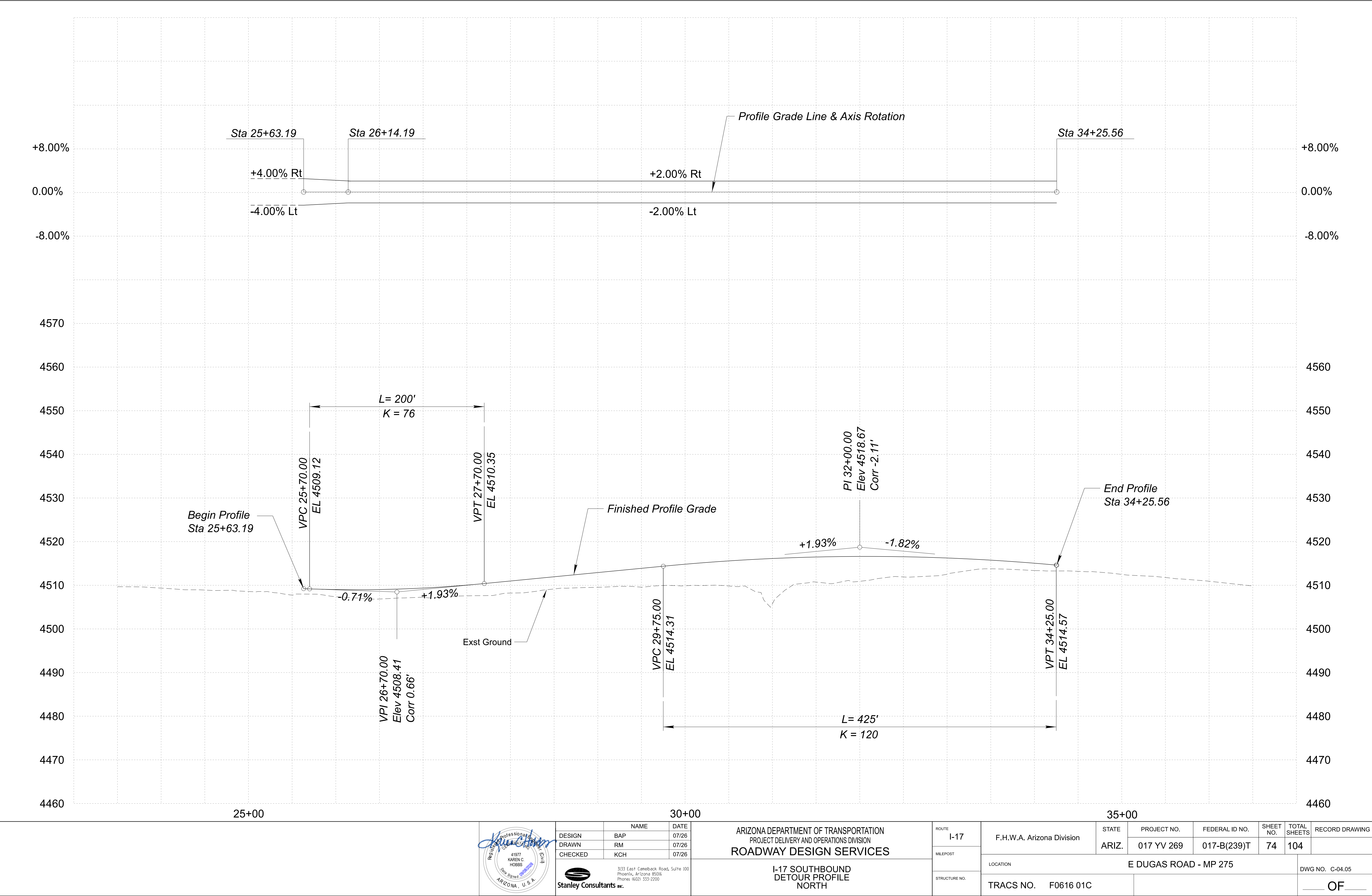
DESIGN	NAME	DATE
BAP		07/26
DRAWN	RM	07/26
CHECKED	KCH	07/26

Stanley Consultants INC.

ARIZONA DEPARTMENT OF TRANSPORTATION
PROJECT DELIVERY AND OPERATIONS DIVISION
ROADWAY DESIGN SERVICES
I-17 SOUTHBOUND
DETOUR PLAN
NORTH

ROUTE I-17	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. 017 YV 269	FEDERAL ID NO. 017-B(239)T	SHEET NO. 72	TOTAL SHEETS 104	RECORD DRAWING
MILEPOST	E DUGAS ROAD - MP 275						DWG NO. C-04.03
STRUCTURE NO.	TRACS NO. F0616 01C						OF





TRAFFIC CONTROL GENERAL NOTES:

1.

The traffic control plans represent a suggested method for traffic control during construction. The contractor may prepare another traffic control plan in accordance with Section 701 of the specifications. All traffic control plans are subject to the approval of the Engineer before beginning construction.

2.

Adjustments to the details of these traffic control plans and requirements may be necessary due to the construction activities or as directed by the Engineer.

3.

All signing, striping, barrier, barricades, and lane closures shall be in accordance with the 2023 edition of the Manual on Uniform Traffic Control Devices (MUTCD) including the Arizona Supplement to the 2023 MUTCD and the 2025 ADOT Temporary Traffic Control Design Guidelines (TCDG).

4.

All drawings are schematic only and not to scale.

5.

All existing signs in conflict with the construction signs shall be removed, relocated, or 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. Any signs damaged by the contractor or contractor activities shall be replaced at no additional cost to the Department.

6.

The retroreflective sheeting on all construction signs shall meet criteria established in Section 1007 of the Specifications.

7.

All long-term signs shown on the plans shall be mounted on embedded posts. Signs installed on embedded posts shall be mounted at a minimum height of 7 feet as measured from the bottom of the sign to the near edge of the pavement. All other short-term signs may be installed on portable stands at the height recommended by the portable stand manufacturer.

8.

The nearest edge or corner of a sign shall be approximately 12 feet from the nearest edge of pavement for all signs mounted on embedded posts.

9.

Flags shall be mounted on top of all construction signs except the "END ROAD WORK THANK YOU" sign.

10.

Type A flashing warning lights shall be required on all nighttime construction signs except the "END ROAD WORK THANK YOU" sign.

11.

Type C steady-burning yellow lights shall be mounted on every barricade when used as channelizing devices during nighttime activities.

12.

Channelizing devices shall be placed per MUTCD guidance based on posted speed limit.

13.

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 covered or turned away from traffic. The cost of 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.

14.

All construction signs shall have black letters on an orange background, except as otherwise noted.

15.

Speed limit signing is preliminary and is subject to review and change by the Engineer as dictated by field conditions.

16.

Where no closure is necessary but where there is construction alongside a roadway under construction, the contractor shall place a 48 x 48 inch "ROAD WORK AHEAD" and "SHOULDER WORK AHEAD" sign as directed by the Engineer to alert the public to the construction activities.

17.

When traffic control devices are not in use, they shall be moved at least 30 feet from the roadway.

18.

When stripe obliteration is necessary, it shall be accomplished by an approved method. Painting over striping, removal of pavement, and overlaying pavement do not constitute stripe obliteration. The contractor shall obliterate striping as shown on the plans and as needed to ensure no conflicting striping is present.

19.

The contractor shall install signing for "Fines Double Workers Present" in work zones, when allowed by the Engineer, which shall generally conform to Figure SA-12 of ADOT 2025 TCDG. Such signing shall only be in place during working periods when workers are present. The contractor shall remove "Fines Double Workers Present" signage when workers are not present.

20.

The contractor shall install changeable message boards as directed by the Engineer. The messages shall be displayed such that the entire message can be read twice at operating speed from no further than 650 feet. The contractor shall locate the changeable message boards just off the paved roadway in compliance with the clear zone requirements or as directed by the Engineer. The Engineer will determine the messages on the changeable message boards to coincide with construction activities. Changeable message boards shall be in place at least 14 days prior to construction activities. For each changeable message board used on the project, the contractor shall position Type 2 barricades per ADOT TCDG Figure SA-13 through Figure SA-17 around the changeable message board. Each Type 2 barricade shall be affixed with a Type C steady-burning light for nighttime use. The contractor shall only position changeable message boards where and when approved by the Engineer.

21.

The contractor shall utilize a flashing arrow panel in the sequential chevron mode for each closure of a through lane. The contractor shall not utilize a flashing arrow panel in connection with any shifting taper.

22.

The contractor shall provide uniformed officers as directed by the Engineer.

23.

If necessary, the location of the advance warning sign(s) on embedded posts shall be adjusted by the contractor per AZ811 and as approved by the Engineer.

24.

Location of sign(s) on embedded posts shall be adjusted by the contractor per AZ811 and as approved by the Engineer.

LEGEND:

	Direction Of Travel		Temporary Concrete Barrier
	Temporary Impact Attenuation Device		Temporary Pavement
	Sign On Embedded Posts		Work Zone
	Flashing Arrow Panel		CMB - Changeable Message Board
	Flashing Light & Warning Flags		Pavement Marking Obliteration
	Sign On Spring Stand		Sign On Rigid Stand
	Type 2 Barricade		Type III Barricade
	Drums		

DESIGN

MEI

08/26

DRAWN

SRH

08/26

CHECKED

BMT

08/26

3133 East Camelback Road, Suite 100
Phoenix, Arizona 85016
Phone: 1602) 333-2200

Stanley Consultants
INC.

ARIZONA DEPARTMENT OF TRANSPORTATION
PROJECT DELIVERY AND OPERATIONS DIVISION
TRAFFIC DESIGN SERVICES

ROUTE
I-17

MILEPOST

STRUCTURE NO.

TRAFFIC CONTROL
GENERAL NOTES AND LEGEND

F.H.W.A. Arizona Division

STATE
ARIZ.

PROJECT NO.
017 YV 269

FEDERAL ID NO.
017-B(239)T

SHEET NO.
75

TOTAL SHEETS
104

RECORD DRAWING

LOCATION
E DUGAS ROAD - MP 275

TRACS NO. F0616 01C

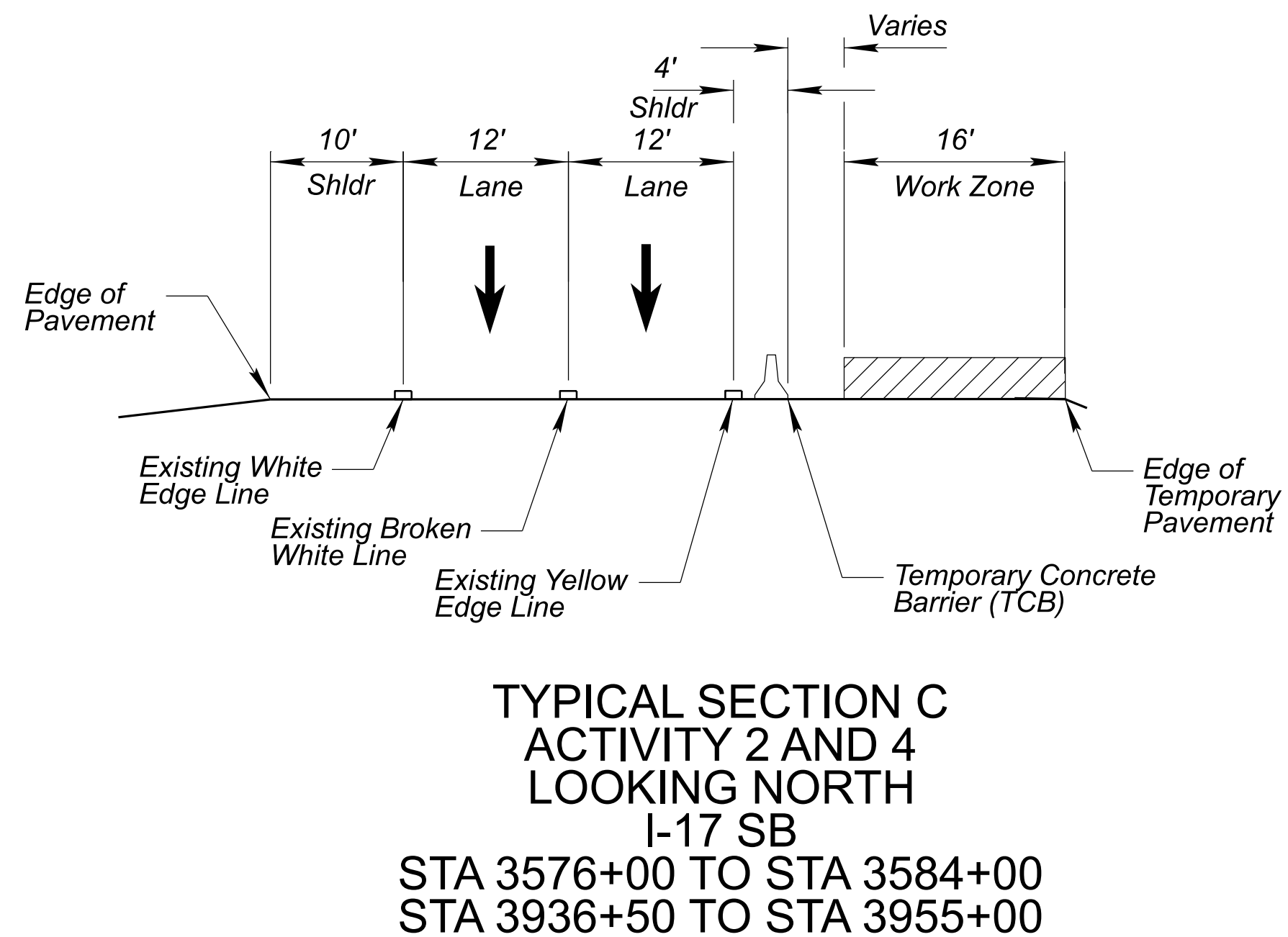
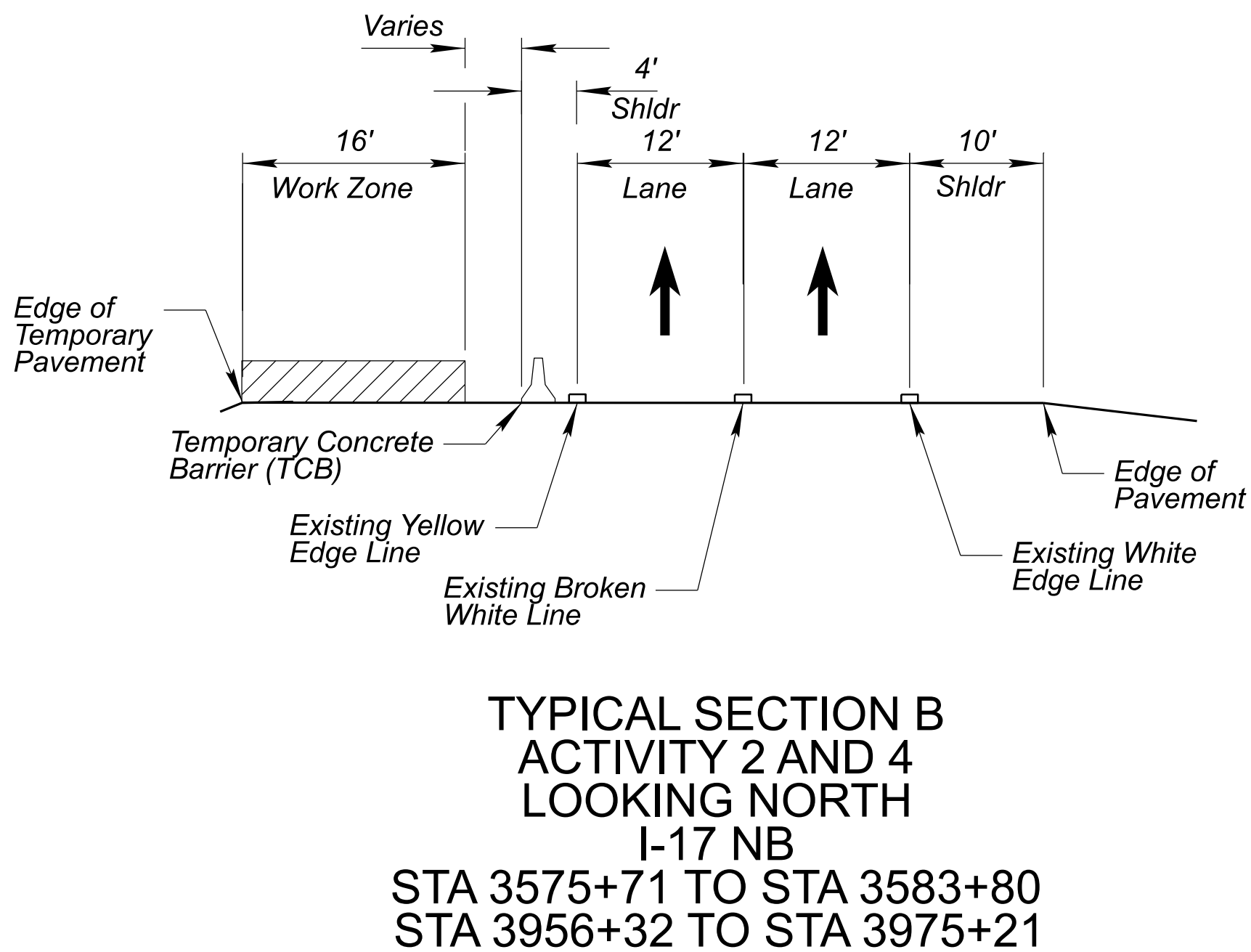
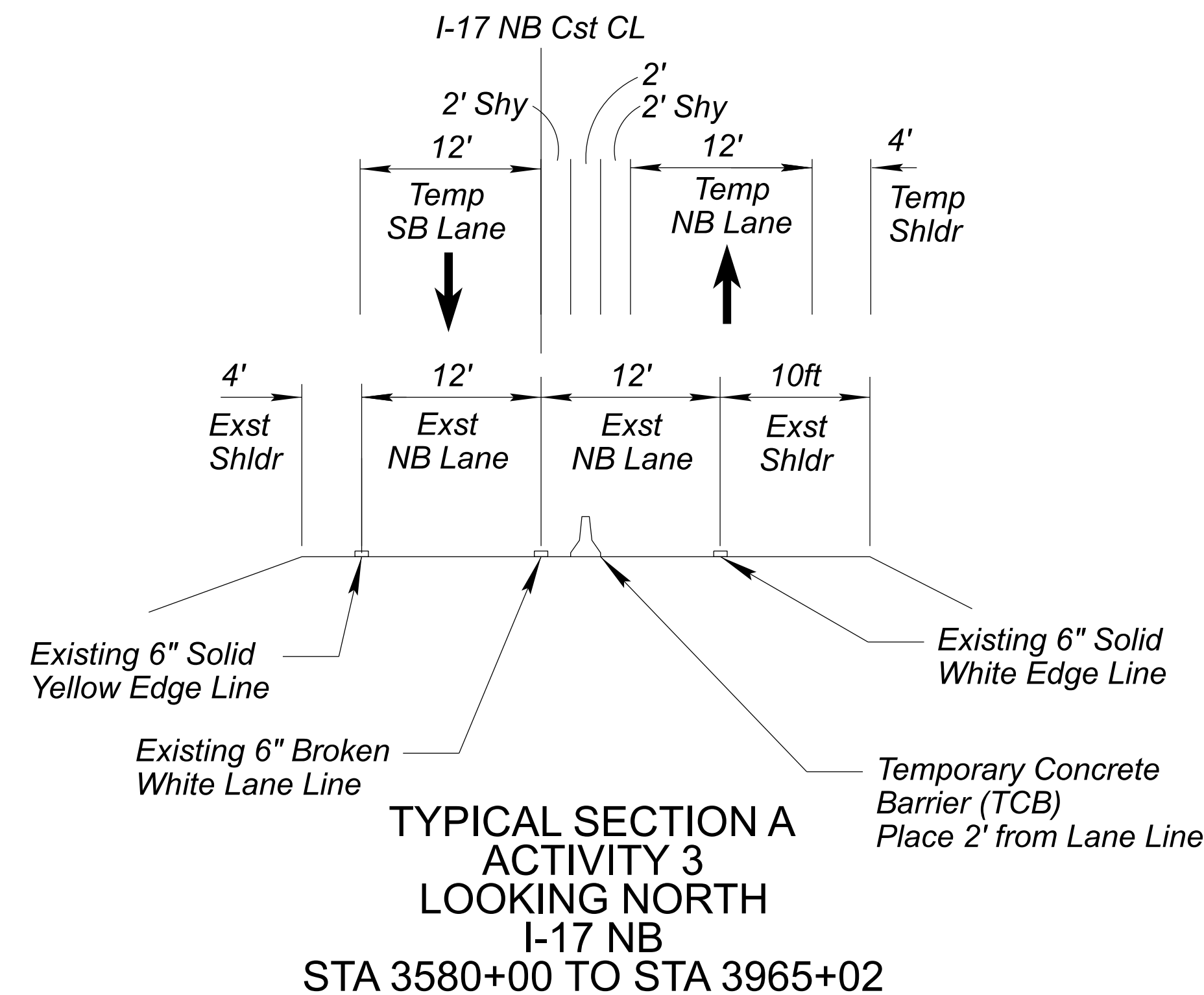
DWG NO. T-01.01
____ OF ____

5987

8/11/2026 7:28:46 AM

c:\projects\datasource-1\common\id1299348\0616_tc_02.dgn \ Model Name: 10624_tc_01

ACTIVITY NO.	CONSTRUCTION ACTIVITY	TRAFFIC CONTROL	COMMENTS
1	Install Advanced Signing on I-17 for both Southbound and Northbound.	Install standard long-term advanced warning signs and changeable message boards (CMB) as shown on the advanced warning sign detail on Dwg No. T-02.01. During sign installation, traffic control shall be shown as on the Manual of Uniform Traffic Control Devices (MUTCD) TA-4 for short duration or mobile operation on shoulder.	Signs shall be placed on embedded posts for the duration of the construction. Shadow vehicles shall be equipped with a truck mounted attenuator.
2	Construct Temporary detour for Southbound I-17 detour between NB I-17 STA 3575+71 and STA 3583+80 and between NB I-17 STA 3956+32 and STA 3975+21.	During construction of temporary detour maintain two lanes along NB and SB I-17. Traffic control shall be shown as on the MUTCD TA-5 for shoulder closures. See Typical Sections B and C below. For placement of Temporary Concrete Barrier (TCB), traffic control shall be shown per Figure SA-5(L) in ADOT Traffic Control Design Guidelines (TCDG).	Lane closure along I-17 NB and SB shall be nighttime work only. One lane in each direction shall remain open at all times. Provide uniform police officers with vehicles during work activities requiring lane closure or as directed by the Engineer. Setup is to be taken down whenever work is not underway.
3	Place TCB along I-17 Northbound for the Southbound I-17 detour. Shift southbound traffic onto I-17 detour. Reconstruct I-17 Southbound, conduct rock excavation, conduct rock scaler, install new signs, install rumble strip, place final pavement markings.	Traffic control for placement of TCB shall be shown per Figure SA-5(L) in the ADOT TCDG. Maintain I-17 SB traffic on I-17 NB utilizing temporary detour. See Typical Section A below. See DWG T-02.09 and T-02.10 for temporary striping for SB I-17 detour. Traffic Control for I-17 NB and SB lane closure shall be as shown per figure SA-5 in the ADOT TCDG.	Speed reductions on I-17 NB will be the same for both directions of travel between crossovers. Speed will be reduced from 75 MPH to 55 MPH. Northbound traffic will be shifted to the outside and will straddle existing rumble strip.
4	Remove TCB along detour. Remove temporary detour between NB I-17 STA 3575+71 and STA 3583+80 and between NB I-17 STA 3956+32 and STA 3975+21.	I-17 NB Left-lane closure traffic control shall be as shown per Figure SA-5(L) in the ADOT TCDG for removal of TCB. During removal of temporary detour, traffic control shall be shown as on the MUTCD TA-5 for shoulder closures. See Typical Sections B and C below.	Lane closure along of I-17 NB shall be nighttime work only. One lane in each direction shall remain open at all times. Provide uniform police officers with vehicles during work activities requiring lane closure or as directed by the Engineer. Setup is to be taken down whenever work is not underway. TCB to be installed to protect work zone.
5	Remove Construction Signs including Advanced Signing.	During sign removal, traffic control shall be shown as on the MUTCD TA-4 for short duration or mobile operation on shoulder.	Shadow vehicles shall be equipped with truck mounted attenuator.



	NAME	DATE
DESIGN	MEI	08/26
DRAWN	SRH	08/26
CHECKED	BMT	08/26

3133 East Camelback Road, Suite 100
Phoenix, Arizona 85016
Phone: 1602) 333-2200
Stanley Consultants INC.

ARIZONA DEPARTMENT OF TRANSPORTATION
PROJECT DELIVERY AND OPERATIONS DIVISION
TRAFFIC DESIGN SERVICES

TRAFFIC CONTROL
CONSTRUCTION ACTIVITY

ROUTE

I-17

MILEPOST

STRUCTURE NO.

F.H.W.A. Arizona Division

STATE

ARIZ.

PROJECT NO.

017 YV 269

FEDERAL ID NO.

017-B(239)T

SHEET NO.

76

TOTAL SHEETS

104

RECORD DRAWING

LOCATION E DUGAS ROAD - MP 275

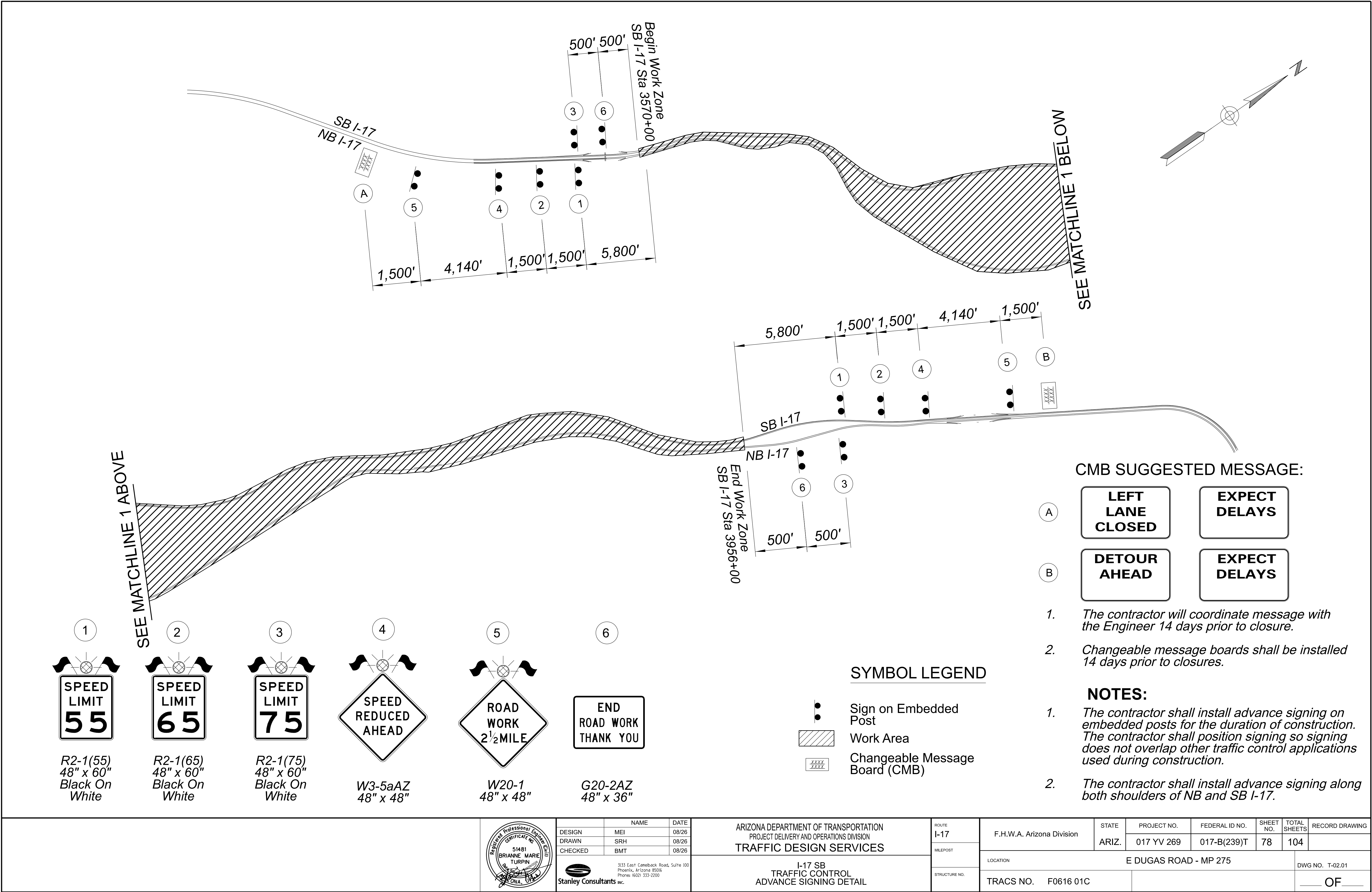
TRACS NO. F0616 01C

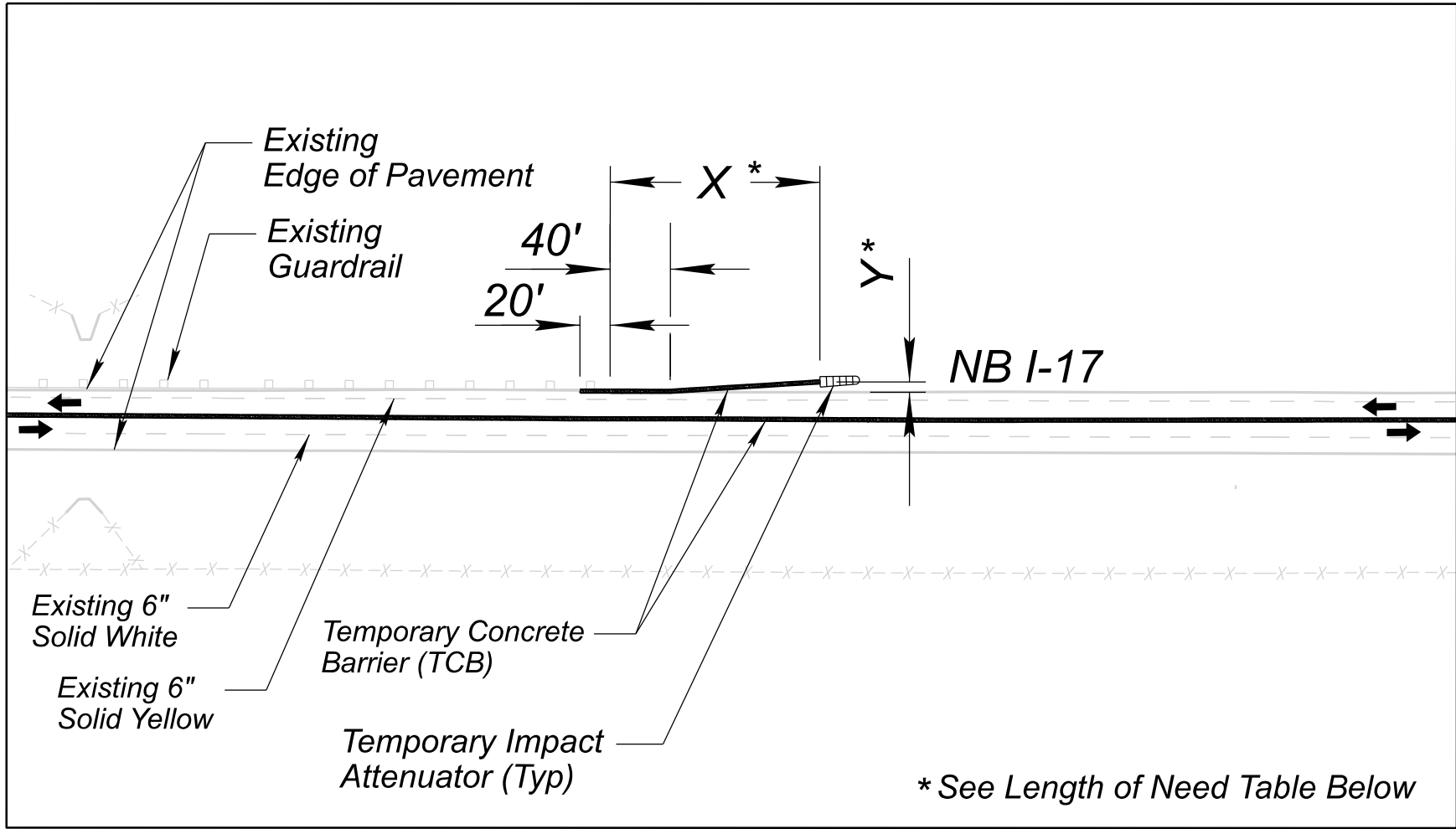
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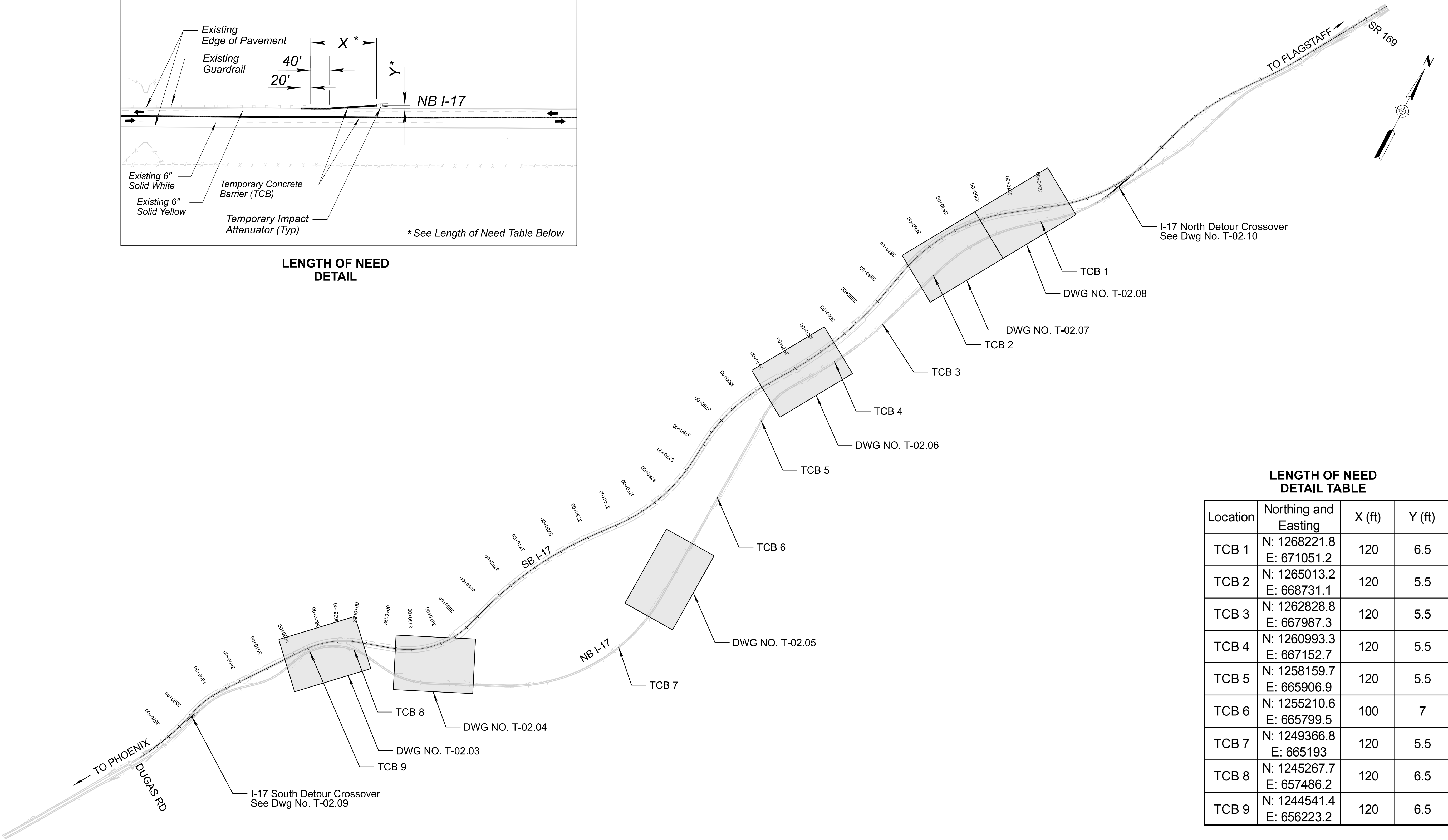
APPROXIMATE TRAFFIC CONTROL QUANTITIES								
BID ITEM NO.	ELEMENT OF WORK	UNIT	ADVANCE SIGNING	CONSTRUCTION ACTIVITY				TOTAL
				ACTIVITY 2	ACTIVITY 3	ACTIVITY 4	ACTIVITY 5	
	ESTIMATED CALENDAR DAYS	DAYS	231	19	146	18	1	231
7010025	TEMPORARY IMPACT ATTENUATION DEVICE (IN-LINE ENERGY ABSORBING TERM.)	EACH	0	4	5	4	0	13
7010026	TEMPORARY IMPACT ATTENUATION DEVICE (IN-LINE ENERGY ABSORBING TERM.) (IN USE)	EACH-DAY	0	76	730	72	0	878
7015010	TEMPORARY CONCRETE BARRIER (INSTALLATION AND REMOVAL)	L.FT.	0	4,400	42,736	4,400	0	51,536
7015032	TEMPORARY PREFORMED MARKING (TYPE II, TAPE LINE)	L.FT.	0	11,754	590	0	0	12,344
7015052	OBLITERATE PAVEMENT MARKING (STRIPE)	L.FT.	0	1,582	0	0	0	1,582
7015070	OBLITERATE PAVEMENT MARKERS	EACH	0	30	0	0	0	30
7016020	TEMPORARY CONCRETE BARRIER (IN USE)	L.FT.-DAY	0	83,600	6,239,456	79,200	0	6,402,256
7016030	BARRICADE (TYPE 1, TYPE 2, VERT.PANEL, TUBULAR MARKER)	EACH-DAY	8,330	868	594	2,442	0	12,234
7016031	BARRICADE (TYPE 3, HIGH LEVEL FLAG TREE)	EACH-DAY	0	0	1,606	0	0	1,606
7016032	PORTABLE SIGN STAND (RIGID)	EACH-DAY	0	6	1,948	123	0	2,077
7016033	PORTABLE SIGN STAND (SPRING TYPE)	EACH-DAY	1	158	1,913	195	1	2,268
7016034	DRUM	EACH-DAY	0	0	23,345	0	0	23,345
7016035	WARNING LIGHT (TYPE A)	EACH-DAY	5,082	164	3,861	318	1	9,426
7016037	WARNING LIGHT (TYPE C)	EACH-DAY	8,330	868	594	2,442	0	12,234
7016039	EMBEDDED SIGN POST	EACH-DAY	5,544	0	0	0	0	5,544
7016050	TRUCK-MOUNTED ATTENUATOR	EACH-DAY	1	2	5	41	1	50
7016051	TEMPORARY SIGN (LESS THAN 10 S.F.)	EACH-DAY	1	152	438	72	1	664
7016052	TEMPORARY SIGN (10 S.F. OR MORE)	EACH-DAY	5,546	164	3,423	318	2	9,453
7016061	FLASHING ARROW PANEL	EACH-DAY	1	2	297	41	1	342
7016067	CHANGEABLE MESSAGE BOARD (CONTRACTOR FURNISHED)	EACH-DAY	490	0	0	0	0	490
7016081	FLAGGING SERVICES (DPS)	HOURL	0	108	398	132	0	638
7016082	FLAGGING SERVICES (LOCAL ENFORCEMENT OFFICER)(WITH AGENCY VEHICLE)	HOURL	0	108	397	132	0	637

		<table><tr><td>DESIGN</td><td>MEI</td><td>08/26</td></tr><tr><td>DRAWN</td><td>SRH</td><td>08/26</td></tr><tr><td>CHECKED</td><td>BMT</td><td>08/26</td></tr></table>	DESIGN	MEI	08/26	DRAWN	SRH	08/26	CHECKED	BMT	08/26	<table><tr><td>NAME</td><td>DATE</td></tr><tr><td>MEI</td><td>08/26</td></tr><tr><td>SRH</td><td>08/26</td></tr><tr><td>BMT</td><td>08/26</td></tr></table>	NAME	DATE	MEI	08/26	SRH	08/26	BMT	08/26	<table><tr><td>3133 East Camelback Road, Suite 100 Phoenix, Arizona 85016 Phone: 1602) 333-2200</td></tr><tr><td>Stanley Consultants INC.</td></tr></table>	3133 East Camelback Road, Suite 100 Phoenix, Arizona 85016 Phone: 1602) 333-2200	Stanley Consultants INC.	ROUTE I-17	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. 017 YV 269	FEDERAL ID NO. 017-B(239)T	SHEET NO. 77	TOTAL SHEETS 104	RECORD DRAWING
			DESIGN	MEI	08/26																										
			DRAWN	SRH	08/26																										
			CHECKED	BMT	08/26																										
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3133 East Camelback Road, Suite 100 Phoenix, Arizona 85016 Phone: 1602) 333-2200																															
Stanley Consultants INC.																															
MILEPOST																															
STRUCTURE NO.																															
ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION TRAFFIC DESIGN SERVICES																															
TRAFFIC CONTROL QUANTITIES		E DUGAS ROAD - MP 275		DWG NO. T-01.03																											
TRACS NO. F0616 01C				____ OF ____																											





LENGTH OF NEED
DETAIL



LENGTH OF NEED
DETAIL TABLE

Location	Northing and Easting	X (ft)	Y (ft)
TCB 1	N: 1268221.8 E: 671051.2	120	6.5
TCB 2	N: 1265013.2 E: 668731.1	120	5.5
TCB 3	N: 1262828.8 E: 667987.3	120	5.5
TCB 4	N: 1260993.3 E: 667152.7	120	5.5
TCB 5	N: 1258159.7 E: 665906.9	120	5.5
TCB 6	N: 1255210.6 E: 665799.5	100	7
TCB 7	N: 1249366.8 E: 665193	120	5.5
TCB 8	N: 1245267.7 E: 657486.2	120	6.5
TCB 9	N: 1244541.4 E: 656223.2	120	6.5

DESIGN

MEI

08/26

DRAWN

SRH

08/26

CHECKED

BMT

08/26

Professional Engineer
51481
BRIANNE MARIE
TURPIN
PHOENIX, ARIZONA

3133 East Camelback Road, Suite 100
Phoenix, Arizona 85016
Phone: 1602 333-2200

Stanley Consultants
INC.

ARIZONA DEPARTMENT OF TRANSPORTATION
PROJECT DELIVERY AND OPERATIONS DIVISION
TRAFFIC DESIGN SERVICES

TRAFFIC CONTROL
I-17 SB DETOUR KEY MAP
AND DETAIL

ROUTE
I-17

MILEPOST

STRUCTURE NO.

F.H.W.A. Arizona Division

STATE
ARIZ.

PROJECT NO.
017 YV 269

FEDERAL ID NO.
017-B(239)T

SHEET NO.
79

TOTAL SHEETS
104

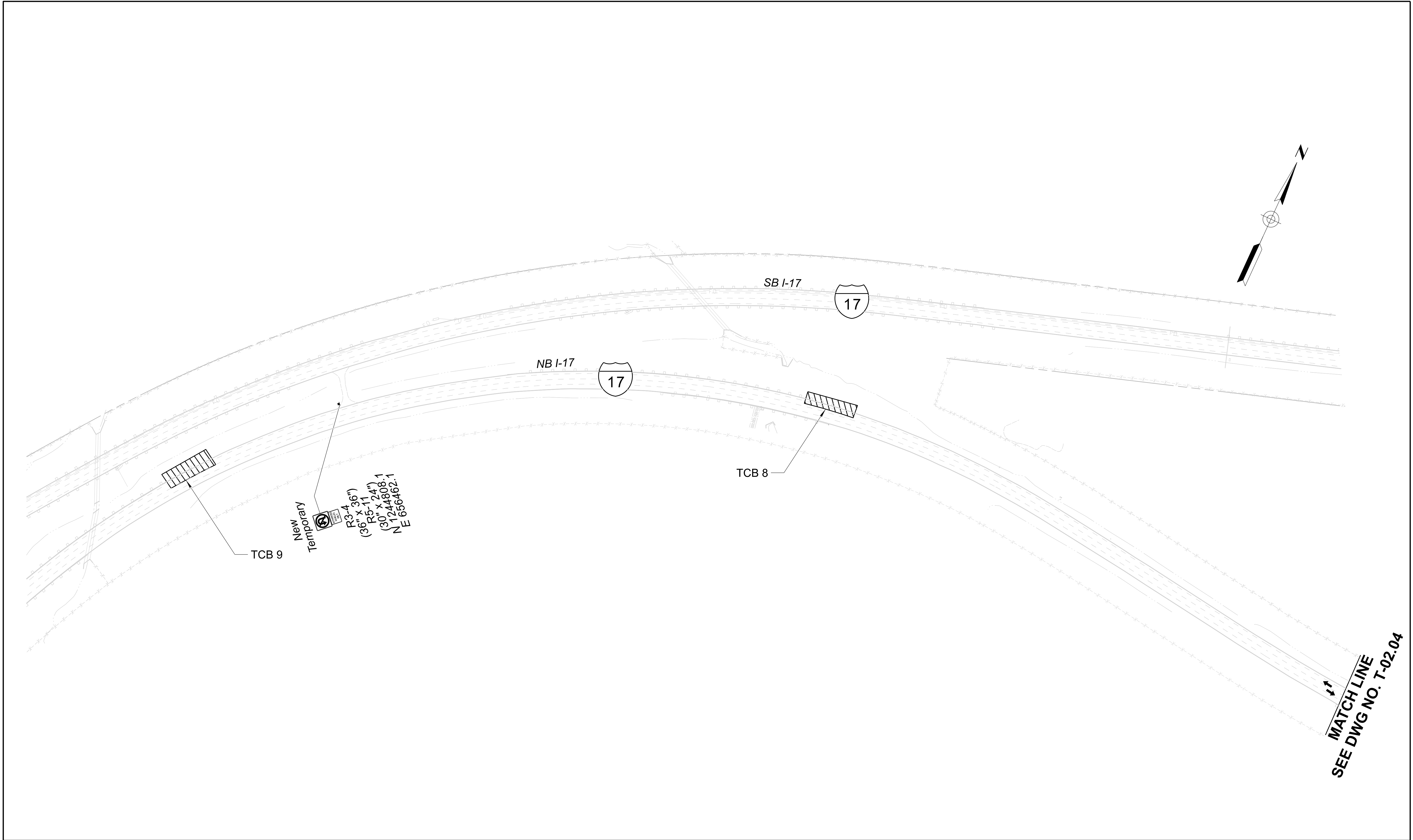
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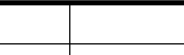
LOCATION
E DUGAS ROAD - MP 275

TRACS NO. F0616 01C

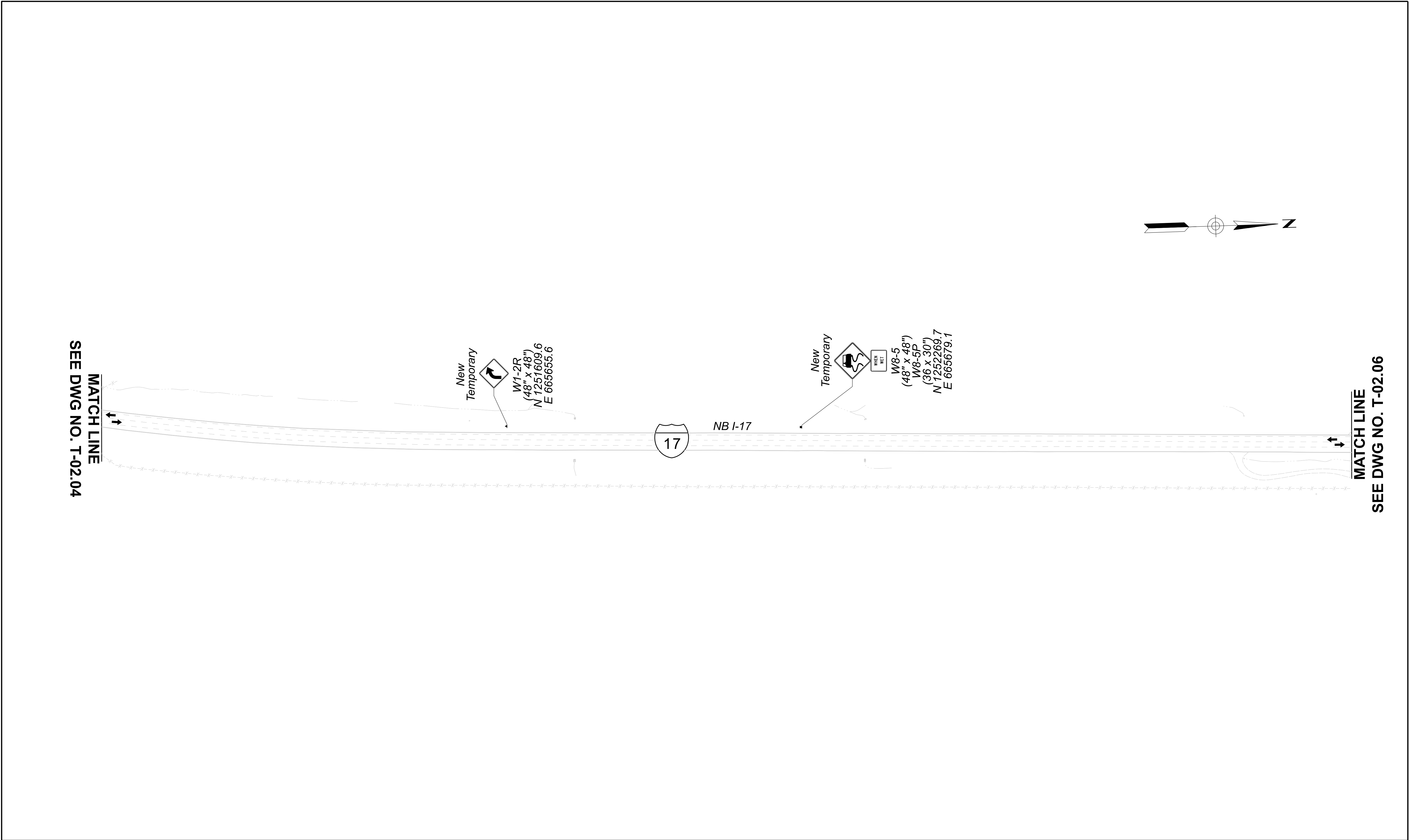
DWG NO. T-02.02
OF

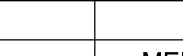
5987 6/16/2026 3:17:45 PM c:\projects\datasource-1\common\1299348\0616_SB_MOT.dgn \ Model Name: I-17 - Key Map [Sheet]

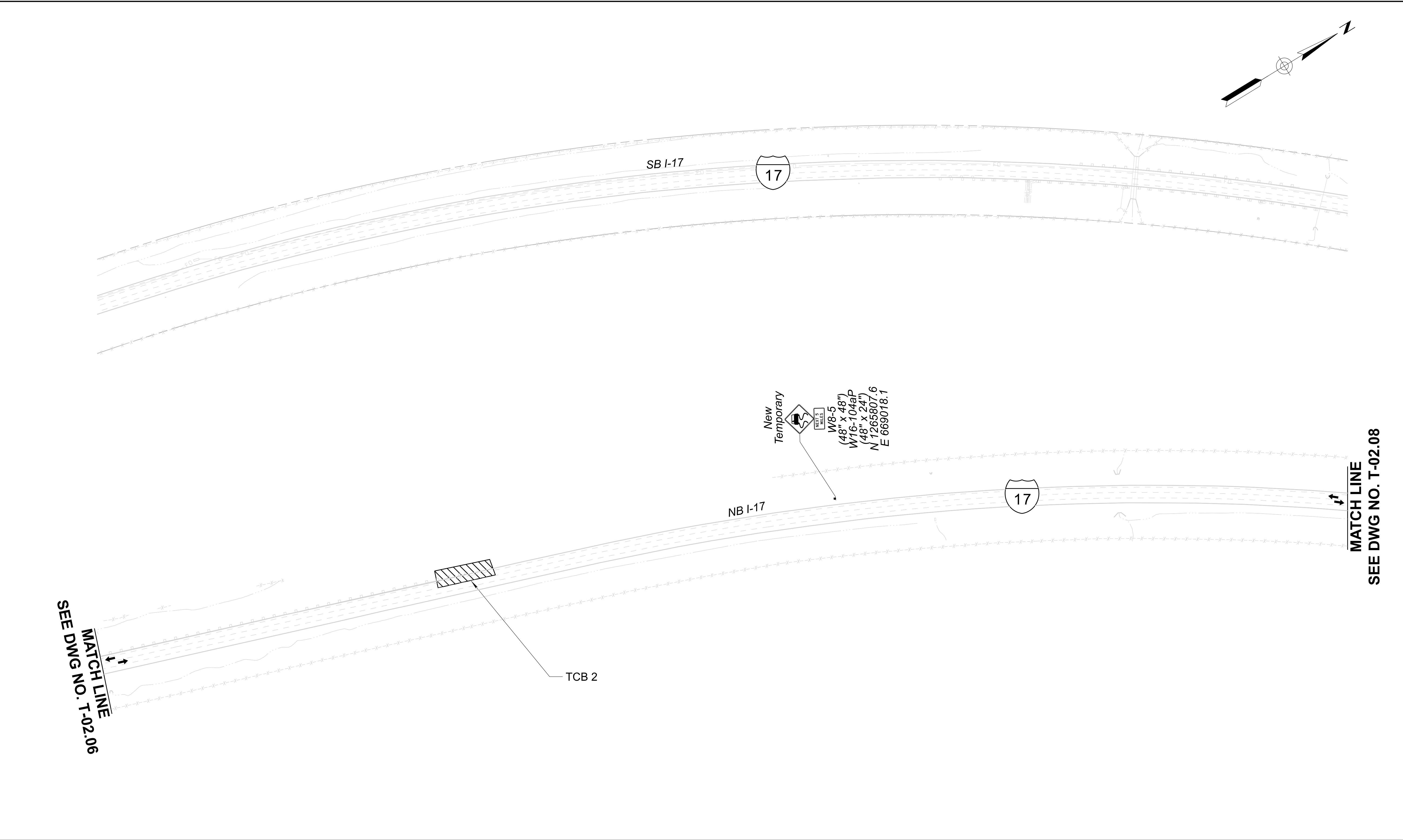


	<table><tr><th></th><th>NAME</th><th>DATE</th></tr><tr><td>DESIGN</td><td>MEI</td><td>08/26</td></tr><tr><td>DRAWN</td><td>SRH</td><td>08/26</td></tr><tr><td>CHECKED</td><td>BMT</td><td>08/26</td></tr></table>				NAME	DATE	DESIGN	MEI	08/26	DRAWN	SRH	08/26	CHECKED	BMT	08/26	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION TRAFFIC DESIGN SERVICES	ROUTE I-17	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. 017 YV 269	FEDERAL ID NO. 017-B(239)T	SHEET NO. 80	TOTAL SHEETS 104	RECORD DRAWING
		NAME	DATE																					
	DESIGN	MEI	08/26																					
	DRAWN	SRH	08/26																					
CHECKED	BMT	08/26																						
 3133 East Camelback Road, Suite 100 Phoenix, Arizona 85016 Phone: 602) 333-2200 Stanley Consultants INC.	TRAFFIC CONTROL TEMPORARY SB I-17 SIGN DETOUR PLAN	MILEPOST	LOCATION E DUGAS ROAD - MP 275					DWG NO. T-02.03																
				STRUCTURE NO.	TRACS NO. F0616 01C		OF																	

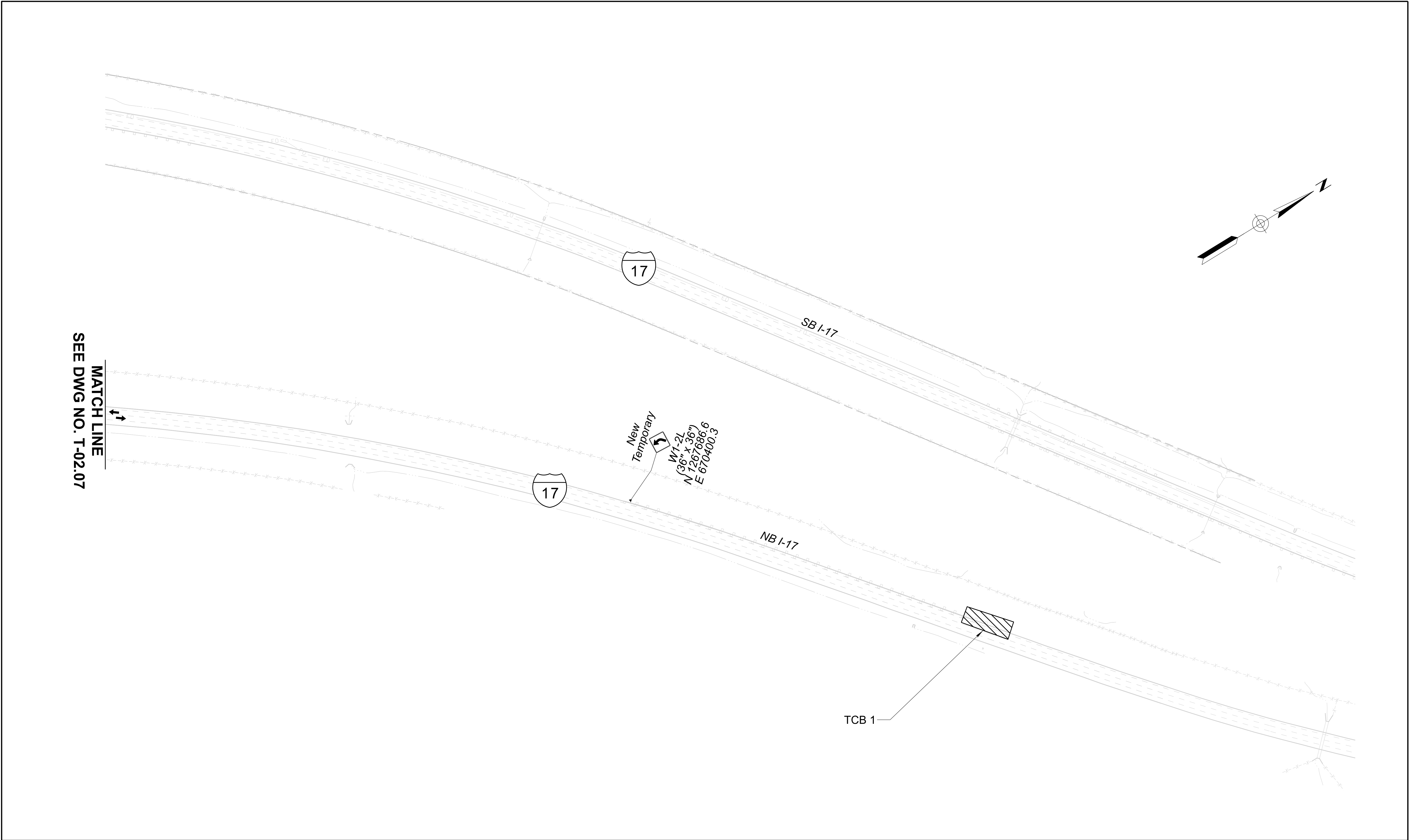
	<table><tr><th></th><th>NAME</th><th>DATE</th></tr><tr><td>DESIGN</td><td>MEI</td><td>08/26</td></tr><tr><td>DRAWN</td><td>SRH</td><td>08/26</td></tr><tr><td>CHECKED</td><td>BMT</td><td>08/26</td></tr></table>			NAME	DATE	DESIGN	MEI	08/26	DRAWN	SRH	08/26	CHECKED	BMT	08/26	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION TRAFFIC DESIGN SERVICES		ROUTE I-17	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. 017 YV 269	FEDERAL ID NO. 017-B(239)T	SHEET NO. 81	TOTAL SHEETS 104	RECORD DRAWING
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	DESIGN	MEI	08/26																					
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 3133 East Camelback Road, Suite 100 Phoenix, Arizona 85016 Phone: (602) 333-2200 Stanley Consultants inc.		TRAFFIC CONTROL TEMPORARY SB I-17 SIGN DETOUR PLAN		MILEPOST	LOCATION E DUGAS ROAD - MP 275						DWG NO. T-02.04													
				STRUCTURE NO.	TRACS NO. F0616 01C						___ OF ___													



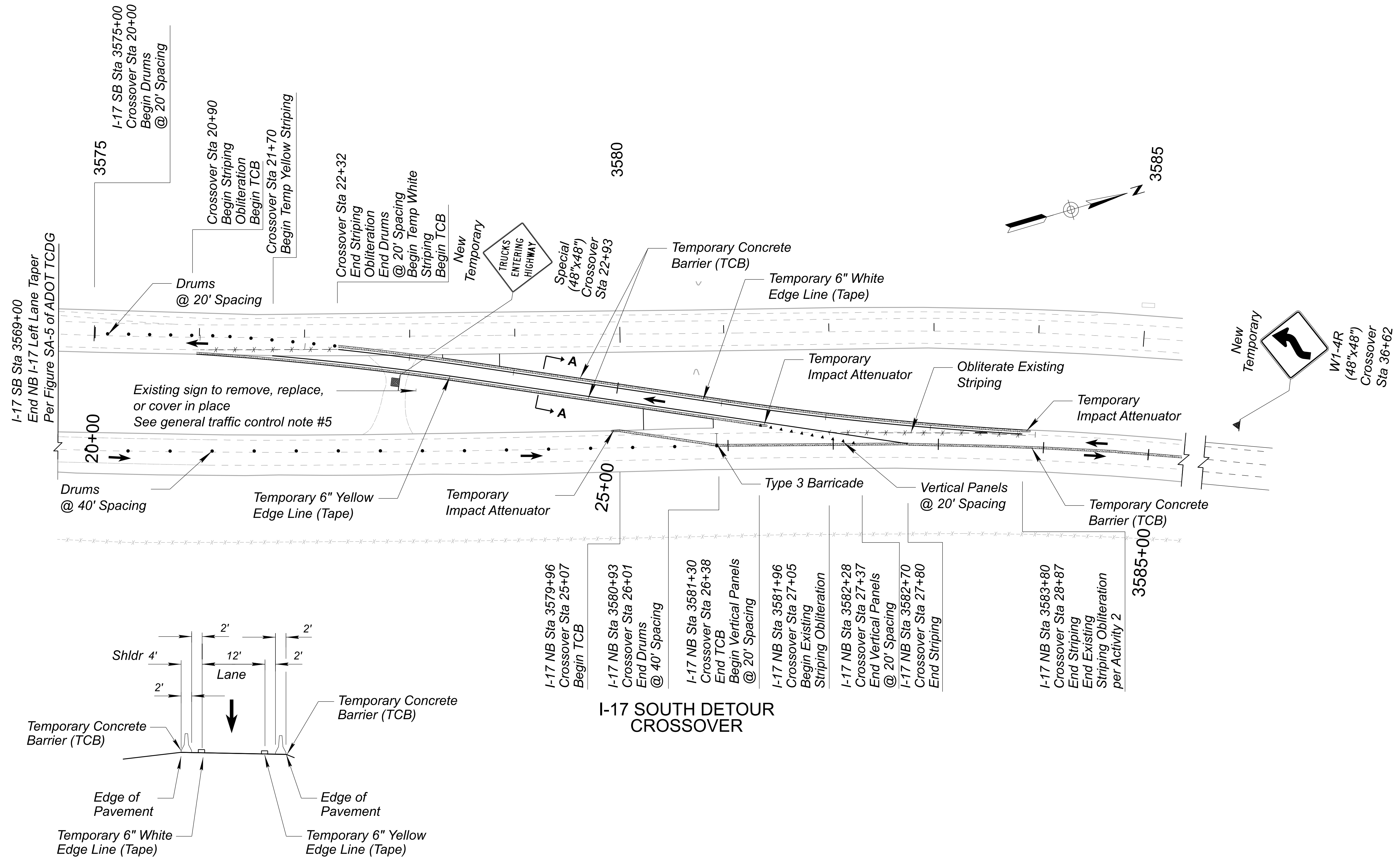
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		DRAWN	SRH	08/26									
		CHECKED	BMT	08/26									
 3133 East Camelback Road, Suite 100 Phoenix, Arizona 85016 Phone: 602) 333-2200		TRAFFIC CONTROL TEMPORARY SB I-17 SIGN DETOUR PLAN			MILEPOST	LOCATION E DUGAS ROAD - MP 275							
					STRUCTURE NO.	TRACS NO. F0616 01C		DWG NO. T-02.05 ____ OF ____					



	NAME		DATE	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION TRAFFIC DESIGN SERVICES		ROUTE	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
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	CHECKED	BMT	08/26	STRUCTURE NO.	TRACS NO. F0616 01C								____ OF ____
 3133 East Camelback Road, Suite 100 Phoenix, Arizona 85016 Phone: 602.333-2200				TRAFFIC CONTROL TEMPORARY SB I-17 SIGN DETOUR PLAN									



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	CHECKED	BMT	08/26		STRUCTURE NO.	TRACS NO. F0616 01C						OF
 3133 East Camelback Road, Suite 100 Phoenix, Arizona 85016 Phone: 602.333.2200				TRAFFIC CONTROL TEMPORARY SB I-17 SIGN DETOUR PLAN								



SECTION A-A

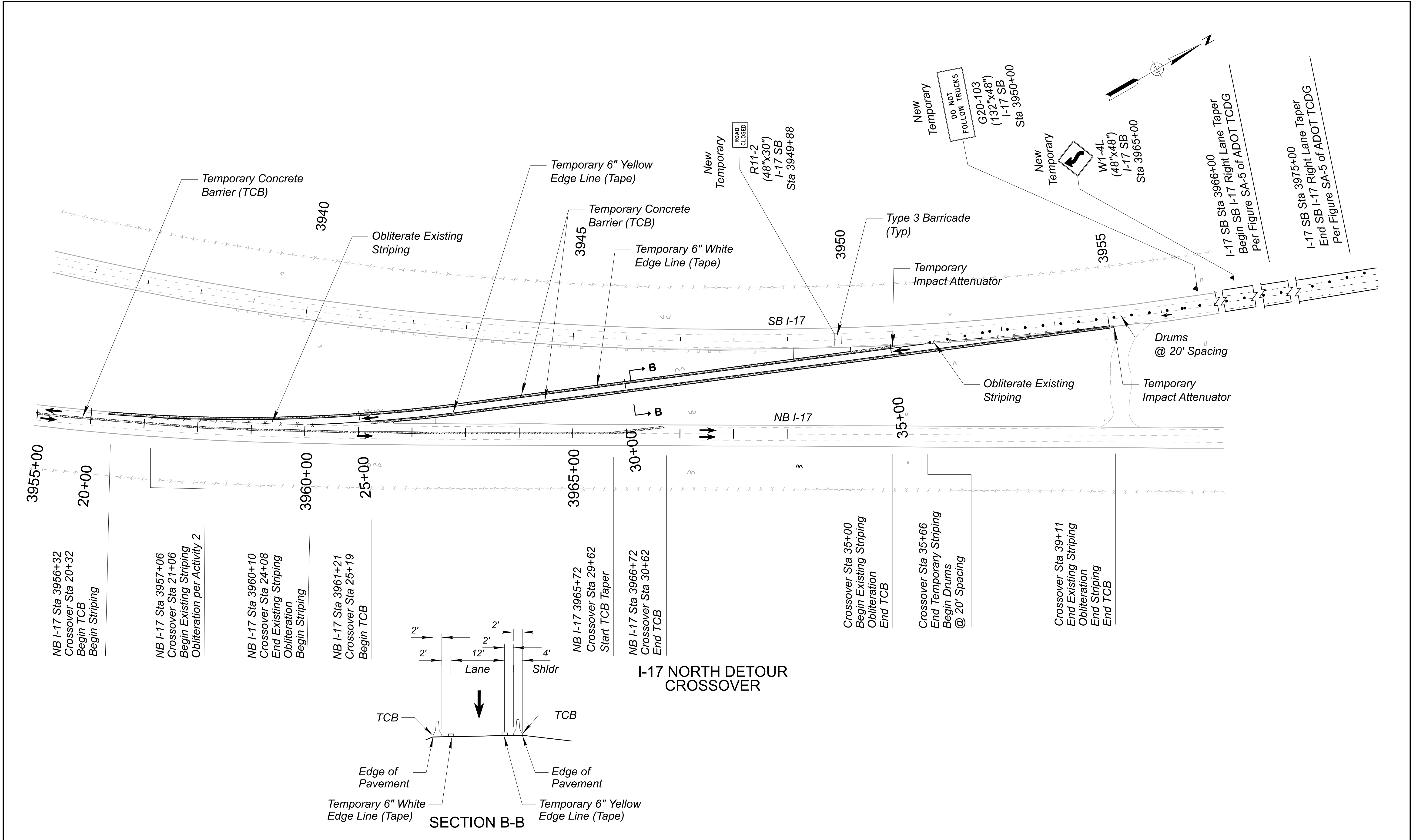


	NAME	DATE
DESIGN	MEI	08/26
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CHECKED	BMT	08/26

Stanley Consultants INC.
3133 East Camelback Road, Suite 100
Phoenix, Arizona 85016
Phone: 1602) 333-2200

ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION TRAFFIC DESIGN SERVICES	ROUTE I-17
TRAFFIC CONTROL TEMPORARY SOUTHBOUND CROSSOVER DETAILS	MILEPOST
	STRUCTURE NO.

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	017 YV 269	017-B(239)T	86	104	
LOCATION		E DUGAS ROAD - MP 275				DWG NO. T-02.09
TRACS NO. F0616 01C						OF



	NAME		DATE	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION TRAFFIC DESIGN SERVICES	ROUTE	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	DESIGN	MEI	08/26		MILEPOST			017 YV 269	017-B(239)T	87	104	
	DRAWN	SRH	08/26					STRUCTURE NO.	LOCATION E DUGAS ROAD - MP 275			
	CHECKED	BMT	08/26	TRACS NO. F0616 01C			OF					
	 3133 East Camelback Road, Suite 100 Phoenix, Arizona 85016 Phone: 602 333-2200				TRAFFIC CONTROL TEMPORARY SOUTHBOUND CROSSOVER DETAILS							

SIGNING GENERAL NOTES:

1. All signs shall be in compliance with the 2023 Manual on Uniform Traffic Control Devices (MUTCD) including the Arizona Supplement, ADOT Signing and Marking Standard Drawings, Traffic Engineering Manual of Approved Signs, ADOT Standard Specifications, these plans, and the Special Provisions.
2. The Engineer may modify the signing plans. Adjust location of signage foundation per AZ811 and as approved by the Engineer.
3. The sign locations and the post lengths are approximate. The contractor shall verify the sign locations and actual post lengths with the Engineer prior to installing the signs.
4. Unless otherwise noted, the bottom of each ground-mounted sign assembly shall be at least 7 feet above the nearest edge of pavement and at least 7 feet above the ground under the sign.
5. Sign foundations shall be field adjusted to avoid conflicts with underground utilities. The contractor shall notify the Engineer if foundations are in proximity of AZ811 markings. The contractor shall identify a revised location for the sign. The revised location will be reviewed and approved by the Engineer prior to installation of the foundations.
6. Normal offset for all signs is 12 feet from the near edge of sign to the edge of pavement.
7. The retroreflective sheeting on all new signs shall meet criteria established in Section 1007 of the specifications and in Section 380 of ADOT's Traffic Engineering Guidelines and Processes.
8. The contractor shall remove and relocate existing signing where indicated on the plans and in the sign summary.
9. Foundations of existing signs that are to be removed or relocated under Item 6080110 shall be removed a minimum of two feet below finished grade.
10. Existing signs not indicated in the sign summary that do not need to be removed or relocated shall remain. If construction activities require a sign assembly removal not noted in the plan, the sign assembly shall be replaced as new and placed as near as possible to the existing location as directed by the Engineer. The removal or replacement of sign assemblies for any construction activity shall be included in the cost of that activity. No further compensation shall be made.
11. The contractor shall replace any signs and sign supports damaged as a result of the construction at no additional cost to the Department.
12. The contractor shall inventory all signs to be removed and reinstalled or covered, and note damaged signs to the Engineer at the time of covering or removal. All signs damaged by covering, removal, or reinstallation shall be replaced by the contractor at at no additional cost to the Department.
13. All new signs shall be fabricated with flat sheet aluminum with direct applied copy or screen printed legend as indicated in Section 608 of the Specifications.
14. All new signs shall be installed on new posts with foundations as indicated on the plans in accordance with the ADOT Standard Drawings.
15. Shop Drawings will be required for all signs.
16. Existing delineators shall be removed and replaced with new delineators. Mile post markers shall be removed and reset on new foundations as required.

SIGN QUANTITIES			
Item No.	Item Description	Unit	Quantity
2020054	REMOVE (DELINEATOR)	EACH	371
6070006	BREAKAWAY SIGN POST W8X18	L.FT.	34
6070026	FOUNDATION FOR BREAKAWAY SIGN POST W8X18	EACH	2
6070038	SLIP BASE	EACH	28
6070057	SIGN POST (PERFORATED) (2 1/2 T)	L.FT.	573
6070060	FOUNDATION FOR SIGN POST (CONCRETE)	EACH	38
6080005	REGULATORY, WARNING, OR MARKER SIGN PANEL	SQ.FT	276
6080110	REMOVE AND REINSTALL SIGN	EACH	5
7030026	DELINEATOR ASSEMBLY (FLEXIBLE) (CONCRETE FOUNDATION)	EACH	371
7030038	FOUNDATION FOR MILEPOST MARKER	EACH	2

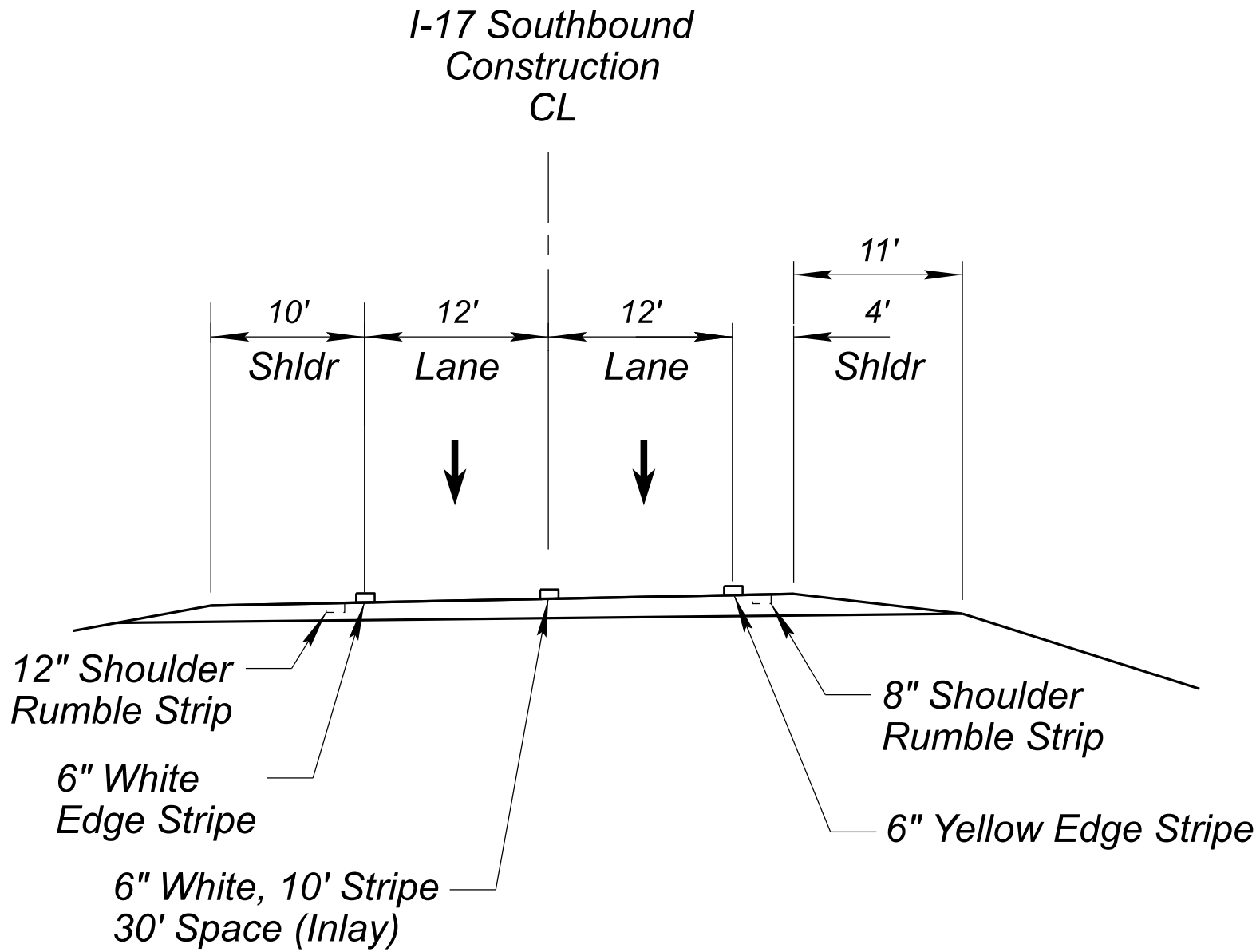
APPROXIMATE NEW DELINEATOR LOCATIONS					
TANGENT STATION	CURVE STATION AND SPACING			TANGENT STATION	TOTAL DELINEATORS
	PC		PT		
3580+96	3583+96	Space at 127'	3591+28	3594+29	22
3622+06	3625+06	Space at 132'	3640+18	3643+52	34
3652+55	3655+55	Space at 126'	3680+09	3683+09	50
-	3688+45	Space at 130'	3732+06	-	35
-	3740+39	Space at 128'	3774+46	-	54
-	3780+56	Space at 130'	3808+94	-	44
-	3817+15	Space at 125'	3858+85	-	68
-	3867+66	Space at 130'	3909+05	-	64
				TOTAL DELINEATOR	371

PAVEMENT MARKING GENERAL NOTES:

1. All pavement marking on I-17 Southbound shall be in compliance with the ADOT Signing and Marking Standard Drawings and the 2023 Manual on Uniform Traffic Control Devices (MUTCD), including the Arizona Supplement.
2. The pavement marking drawings are schematic only and not to scale. The contractor shall follow all dimensions as shown on typical section Dwg. No. T-03.02 when installing pavement markings and markers.
3. The pavement marking dimensions are to the center of the striping or in the case of double striping to the center of the double striping and are to the face of curb, face of barrier, or edge of pavement, unless otherwise noted.
4. It is the contractor's responsibility to ensure that the final surface course is placed so that the striping is offset one foot (1'-0") clear of the construction joint, unless otherwise directed by the Engineer.
5. The contractor shall be responsible for the layout and installation of permanent pavement markings on the final surface course following control points that have been set no more than 50 feet apart along the lines to be striped.
6. The permanent pavement marking plans may be modified as directed by the Engineer.
7. When stripe obliteration is necessary, it shall be accomplished by approved methods. Painting over striping, removal of pavement and overlaying pavement does not constitute stripe obliteration.
8. The contractor shall preserve all existing pavement markings that are to remain except where noted otherwise, and shall replace any damaged markings as a result of the construction at no additional cost to the Department.
9. The contractor shall clean the roadway surface to the satisfaction of the Engineer, by sweeping and air-jet blowing, immediately prior to the placement of all epoxy pavement markings. The roadway surface shall be dry. The pavement temperature shall not be less than 40 degree F and the air temperature wind chill factor shall not be less than 35 degree F for the placement of epoxy pavement markings.
10. The contractor shall install ground-in rumble strips continuously along edge lines, except on concrete surfaces or on bridges. The ground-in rumble strips shall conform to the details shown on ADOT Standard Drawings.
11. The contractor shall contact Kyle Seisinger at (928) 713-1255 at least 10 days prior to final striping operations to approve final pavement marking layout.

PAVEMENT MARKING QUANTITIES			
Item No.	Item	Unit	Total
7090001	DUAL COMPONENT PAVEMENT MARKING (WHITE EPOXY)	L.FT.	63,000
7090002	DUAL COMPONENT PAVEMENT MARKING (YELLOW EPOXY)	L.FT.	51,956
9280036	GROUND-IN RUMBLE STRIP (8 INCH)	L.FT.	34,637
9280037	GROUND-IN RUMBLE STRIP (12 INCH)	L.FT.	33,600

All pavement marking quantities reflect 4-inch equivalents.
Pavement Marking quantities do not include gaps in dashed lines.



TYPICAL PAVEMENT MARKING SECTION
(LOOKING NORTH)
I-17 SB STA 3579+00 TO STA 3915+00

Professional Engineer 51481 BRIANNE MARIE TURPIN REGISTERED PROFESSIONAL ENGINEER ARIZONA, U.S.A. Stanley Consultants INC.	DESIGN	NAME	DATE	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION TRAFFIC DESIGN SERVICES	ROUTE	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING	
	DRAWN	MEI	08/26		MILEPOST			017 YV 269	017-B(239)T	89	104		
	CHECKED	SRH	08/26		STRUCTURE NO.			E DUGAS ROAD - MP 275			DWG NO. T-03.02		
		BMT	08/26	PAVEMENT MARKING GENERAL NOTES AND QUANTITIES				TRACS NO. F0616 01C		____ OF ____			
	3133 East Camelback Road, Suite 100 Phoenix, Arizona 85016 Phone: 602) 333-2200												

Plan Dwg No.	Sign Number	MOAS Sign Code	Work					Offset (ft)	Mounting Height (ft)	Background Color	Panel						Ground Mounted					Overhead		Remarks					
			New	Existing							Legend	Width (in.)	Height (in.)	Area (sq. ft.)	Type	Min. Sheeting Typ	Bid Item Number	Foundations	Posts		New Slipbases	Stringer			Structure Type	No. of Lights			
				Replace Panel	Relocate Panel	Modify Legend	Remove												To Remain	Type		Total length (ft)	Type				Total Length (ft)		
T-04.01	S268.75	W4-1R						X				Merge Symbol																	
T-04.01	S268.80	D3-1						X				Dugas Rd																	
T-04.01	S268.81	I3-108a						X				LEAVING PRESCOTT National Forest																	
T-04.01	S268.94	E5-1a						X				EXIT 268 Arrow																	
T-04.01	S269.00	D10-3						X				MILE 269																	
T-04.01	S269.06	D3-1						X				Ash Creek																	
T-04.01	S269.07	D14-101						X				ADOT ADOPT A HIGHWAY																	
		D14-103P										THE ORME SCHOOL																	
T-04.01	S269.12	E1-5P						X				EXIT 268																	
		E4-102b										Dugas Rd, Orme Rd, Arrow																	
T-04.01	S269.23	R3-4						X				No U-Turn Symbol																	
		R3-4										No U-Turn Symbol																	
T-04.01	S269.44	E1-5P						X				EXIT 268																	
		E1-102b										Dugas Rd Orme Rd 1/2 MILE																	
		D5-110P										NO SERVICES																	
T-04.01	S269.56L	W1-2L	X						12	7	YL	Left Curve Symbol	48	48	16.0	RWM	8	6080005	2	2 1/2T	30	2							
T-04.01	S269.56R	W1-2L	X						12	7	YL	Left Curve Symbol	48	48	16.0	RWM	8	6080005	2	2 1/2T	30								
T-04.02	S269.92	E1-5P			X				20			EXIT 268					6080110	2	W8x18	34				RELOCATE IN PLACE					
		E1-102b										Dugas Rd Orme Rd 1 MILE																	
T-04.02	S270.00	D10-3			X				15			MILE 270					6080110	1						RELOCATE IN PLACE					
T-04.02	S270.50L	W1-2L	X						12	7	YL	Left Curve Symbol	48	48	16.0	RWM	8	6080005	2	2 1/2T	30	2							
Notes: 1. The Contractor shall verify post lengths and elevations. 2. Signs may shift longitudinally 50' in order to achieve a more desirable location. 3. Quantities are approximate and for the Contractor's information only. 4. See the ADOT Signing and Marking Standard Drawings for installation information.												Panel Types: RWM: Regulatory, Warning, or Marker. F-DA: Flat Sheet Aluminum with Direct Applied or Silk Screened Characters. F-DEM: Flat Sheet Aluminum with Demountable Characters. Ext: Aluminum Extrusion.						Colors: RD = Red BK = Black BL = Blue GR = Green YL = Fluorescent Yellow BR = Brown WH = White OR = Orange				Post Types: 2S, 2 1/2S: Non-telescoping perforated post 2 1/2T: Telescoping perforated post S4x7.7: S-shape breakaway post W6x12: W-shape breakaway post				Stringer Types: P: Square-tube post T: T-section (WT75x9)			
Professional Engineer 51481 BRIANNE MARIE TURPIN ARIZONA, U.S.A. DESIGN MEI 08/26 DRAWN SRH 08/26 CHECKED BMT 08/26 ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION TRAFFIC DESIGN SERVICES ROUTE I-17 MILEPOST STRUCTURE NO. 3133 East Camelback Road, Suite 100 Phoenix, Arizona 85016 Phone: 1602) 333-2200 Stanley Consultants INC.												F.H.W.A. Arizona Division				STATE	PROJECT NO.		FEDERAL ID NO.		SHEET NO.	TOTAL SHEETS	RECORD DRAWING						
												ARIZ.		017 YV 269		017-B(239)T		90	104	E DUGAS ROAD - MP 275				DWG NO. T-03.03					
												TRACS NO. F0616 01C												OF					

Plan Dwg No.	Sign Number	MOAS Sign Code	Work						Offset (ft)	Mounting Height (ft)	Background Color	Panel						Ground Mounted						Overhead		Remarks	
			New	Existing								Legend	Width (in.)	Height (in.)	Area (sq. ft.)	Type	Min. Sheeting Typ	Bid Item Number	Foundations	Posts		New Slipbases	Stringer		Structure Type		No. of Lights
				Replace Panel	Relocate Panel	Modify Legend	Remove	To Remain												Type	Total length (ft)		Type	Total Length (ft)			
T-04.02	S270.50R	W1-2L	X						12	7	YL	Left Curve Symbol	48	48	16.0	RWM	8	6080005	2	2 1/2T	30	2					
T-04.02	S270.68	I3-104						X				ELEVATION 4000															
T-04.03	S271.00	D10-3			X				7			MILE 271					6080110	1									RELOCATE IN PLACE
T-04.03	S271.17A	W8-5			X				7			Slippery When Wet Symbol					6080110	2	2 1/2T	32							RELOCATE IN PLACE
		W16-104P										NEXT 1 MILE															
T-04.03	S271.17B	W8-5						X				Slippery When Wet Symbol															
		W16-104P										NEXT 1 MILE															
T-04.03	S271.22L	W1-2R	X						12	7	YL	Right Curve Symbol	48	48	16.0	RWM	8	6080005	2	2 1/2T	30						
T-04.03	S271.22R	W1-2R	X						12	7	YL	Right Curve Symbol	48	48	16.0	RWM	8	6080005	2	2 1/2T	30						
T-04.03	S271.35A	W8-5						X				Slippery When Wet Symbol															
		W8-5P										WHEN WET															
T-04.03	S271.35B	W8-5						X				Slippery When Wet Symbol															
		W8-5P										WHEN WET															
T-04.04	S271.87	GUIDE						X				Arizona Veterans Highway															
T-04.04	S272.00	D10-3						X				MILE 272															
T-04.04	S272.11L	W1-2L	X						12	7	YL	Left Curve Symbol	48	48	16.0	RWM	8	6080005	2	2 1/2T	30	2					
T-04.04	S272.11R	W1-2L	X						12	7	YL	Left Curve Symbol	48	48	16.0	RWM	8	6080005	2	2 1/2T	30	2					
T-04.04	S272.87L	W1-2R	X						12	7	YL	Right Curve Symbol	48	48	16.0	RWM	8	6080005	2	2 1/2T	30	2					
T-04.04	S272.87R	W1-2R	X						12	7	YL	Right Curve Symbol	48	48	16.0	RWM	8	6080005	2	2 1/2T	30	2					
T-04.05	S272.91	R2-1(75)	X						12	7	WH	SPEED LIMIT 75	48	60	20.0	RWM	8	6080005	2	2 1/2T	29	2					

Notes:

1. The Contractor shall verify post lengths and elevations.
2. Signs may shift longitudinally 50' in order to achieve a more desirable location.
3. Quantities are approximate and for the Contractor's information only.
4. See the ADOT Signing and Marking Standard Drawings for installation information.

Panel Types:

RWM: Regulatory, Warning, or Marker.
F-DA: Flat Sheet Aluminum with Direct Applied or Silk Screened Characters.
F-DEM: Flat Sheet Aluminum with Demountable Characters.
Ext: Aluminum Extrusion.

Colors:

RD = Red
BK = Black
BL = Blue
GR = Green

YL = Fluorescent Yellow
BR = Brown
WH = White
OR = Orange

Post Types:

2S, 2 1/2S: Non-telescoping perforated post
2 1/2T: Telescoping perforated post
S4x7.7: S-shape breakaway post
W6x12: W-shape breakaway post

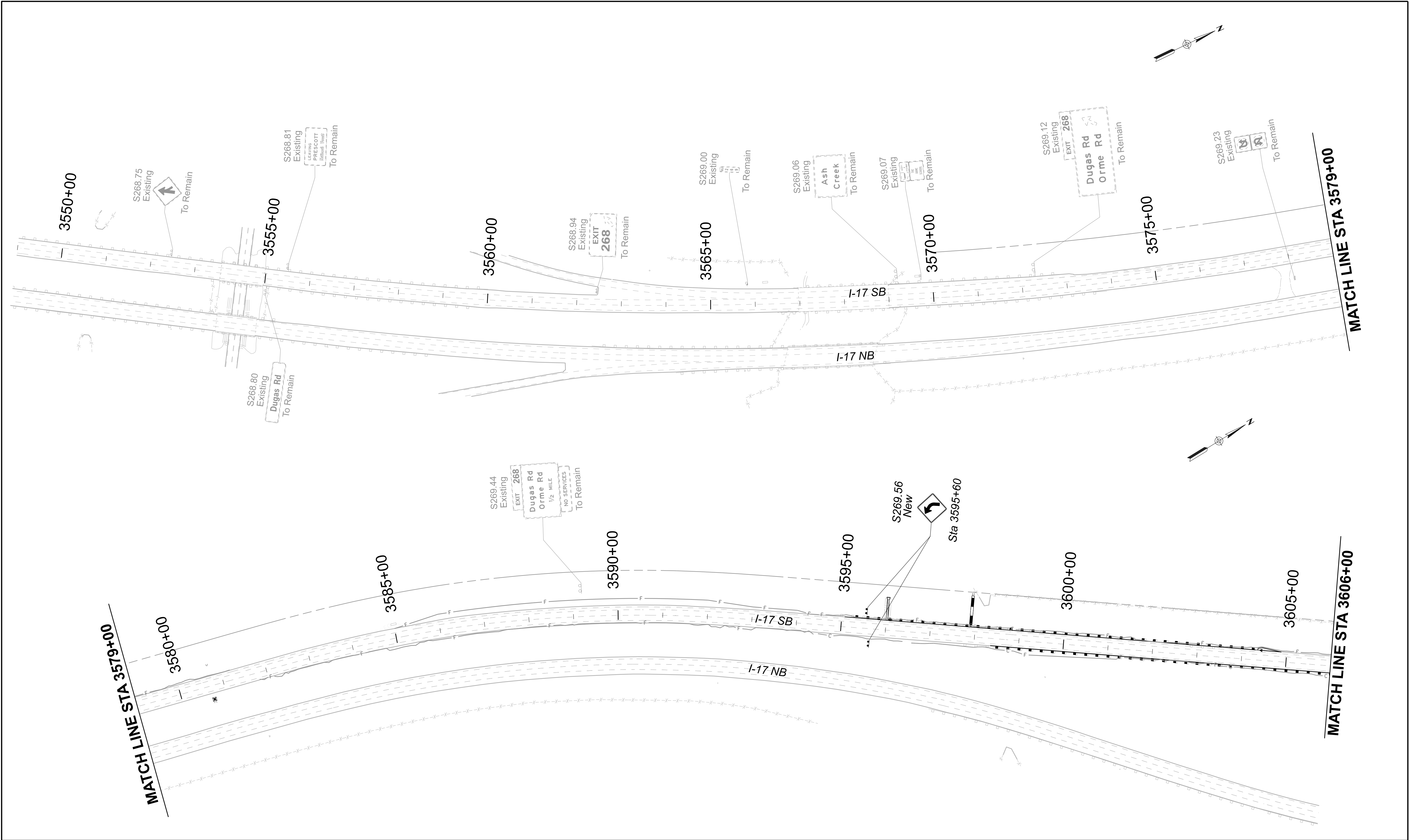
Stringer Types:

P: Square-tube post
T: T-section (WT75x9)

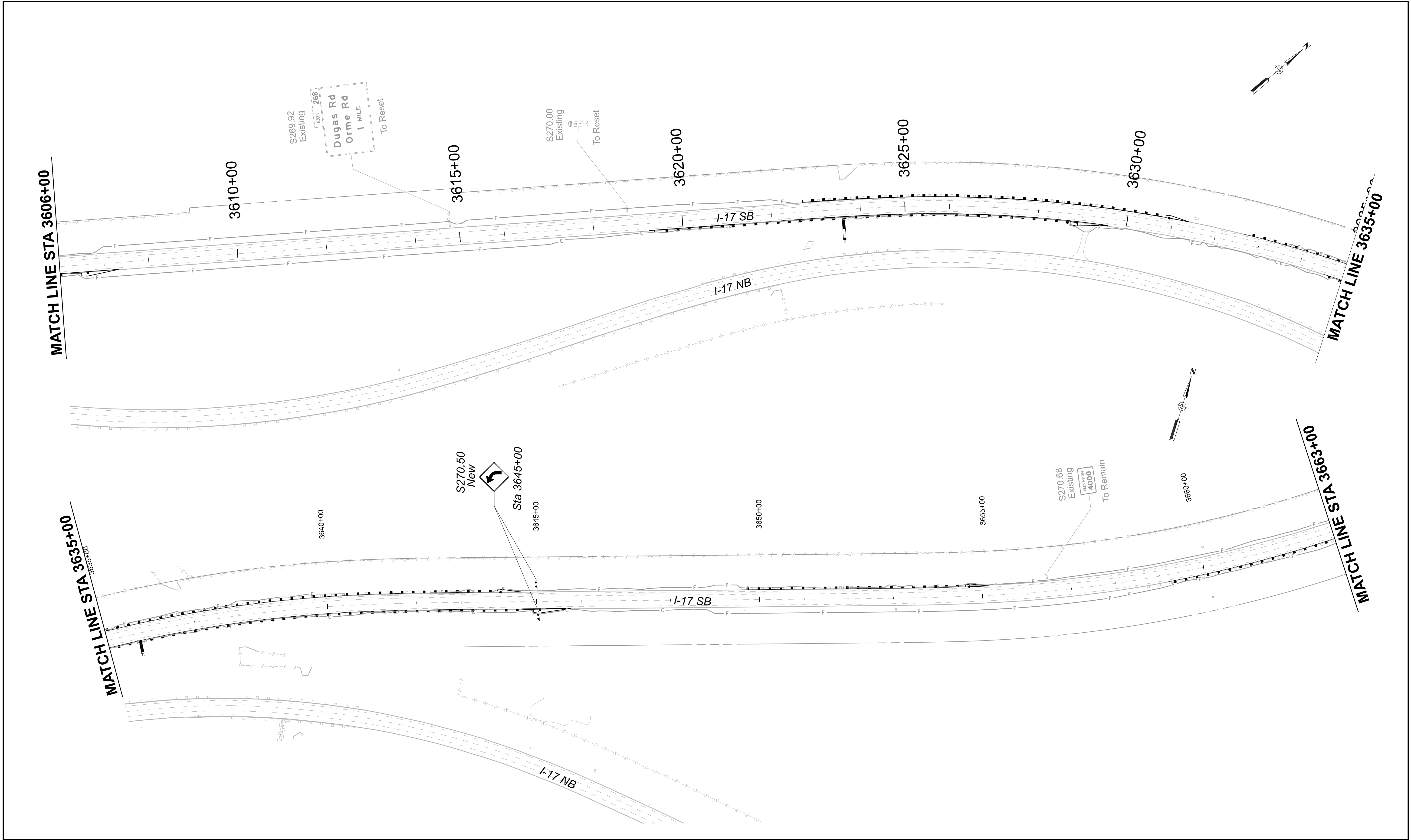
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	DRAWN	SRH	08/26	MILEPOST			LOCATION								E DUGAS ROAD - MP 275				DWG NO. T-03.04		
	CHECKED	BMT	08/26	STRUCTURE NO.			TRACS NO. F0616 01C								____ OF ____						

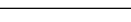
3133 East Camelback Road, Suite 100
Phoenix, Arizona 85016
Phone: 1602) 333-2200

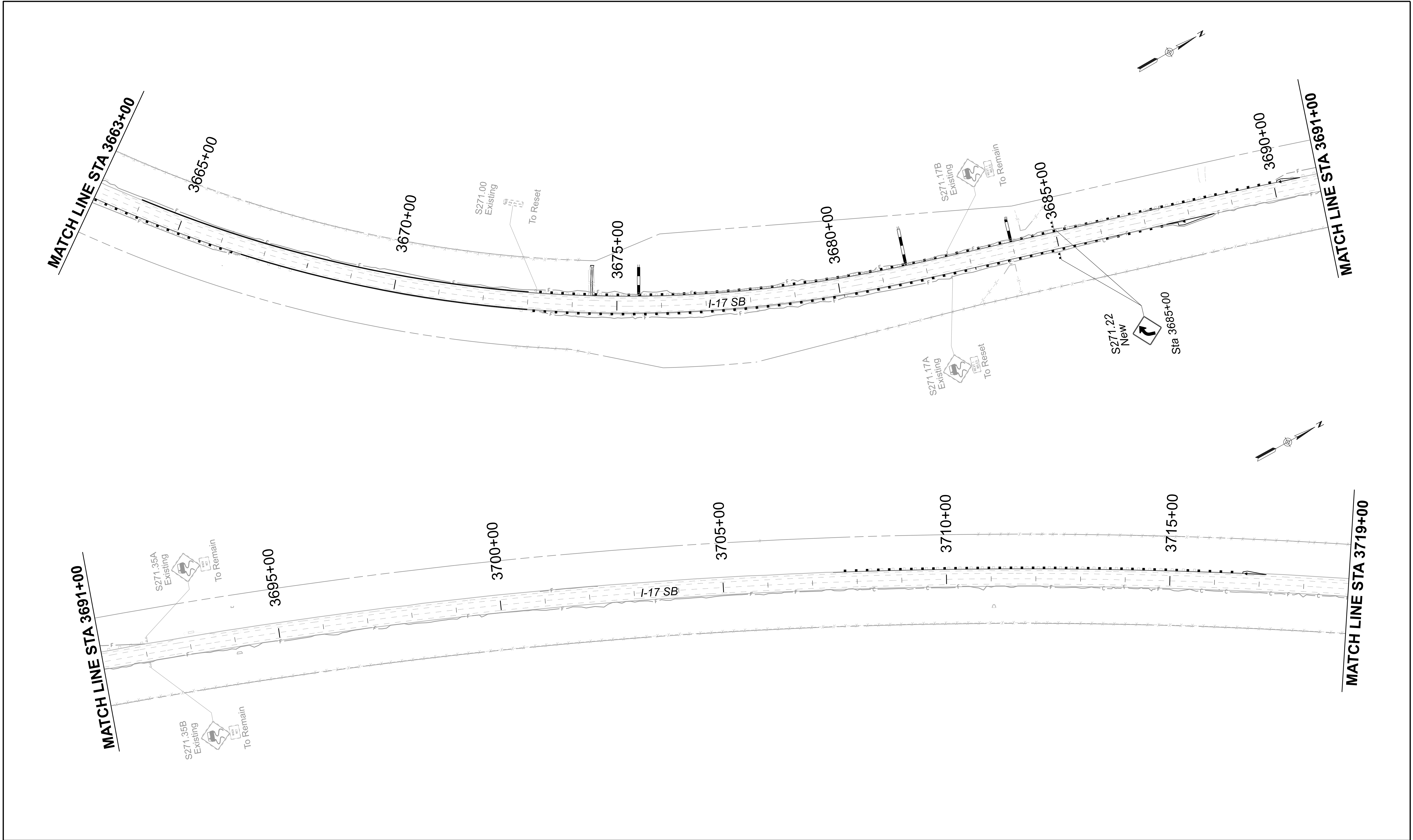
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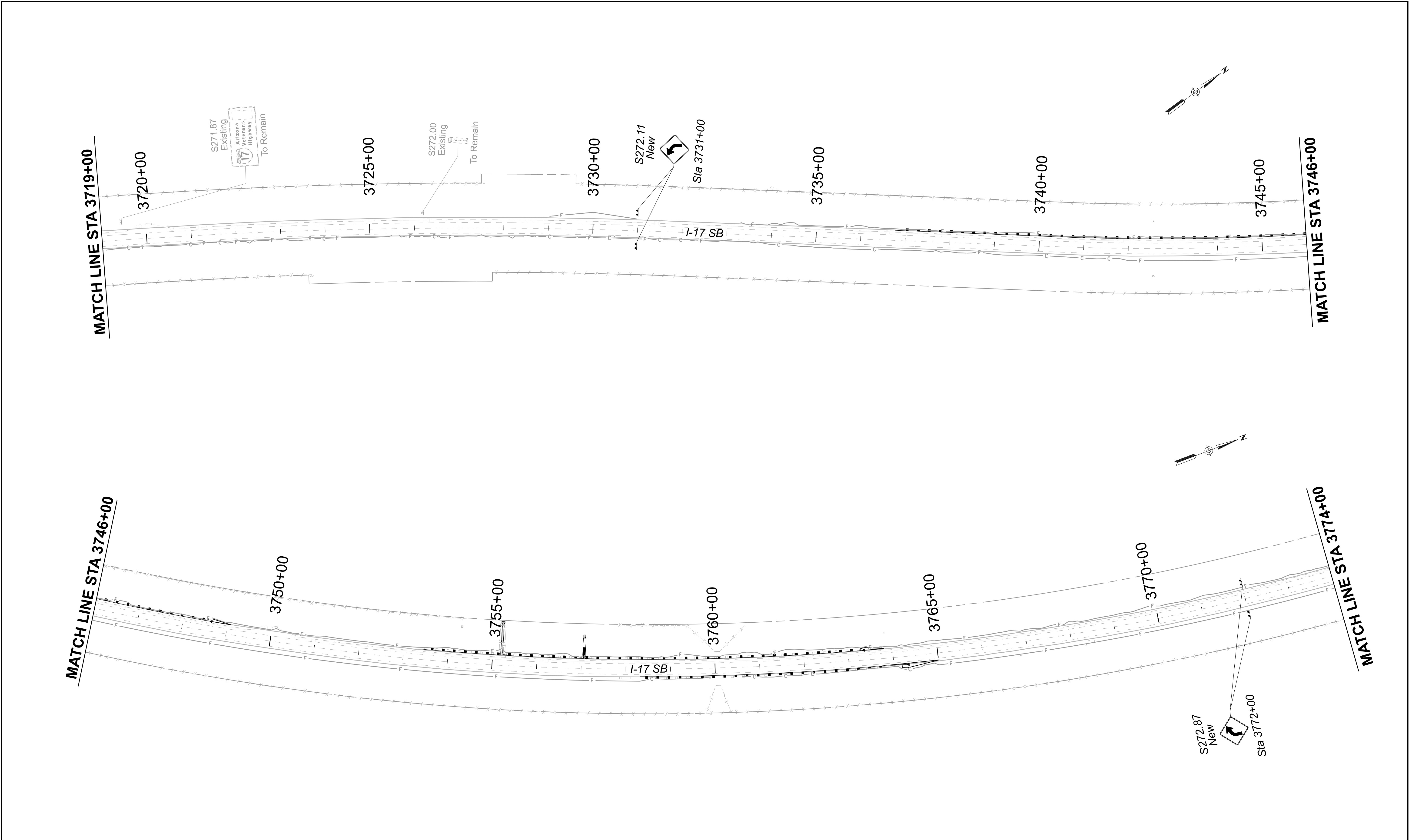
Professional Engineer 51481 BRIANNE MARIE TURPIN ARIZONA, U.S.A.  Stanley Consultants INC. 3133 East Camelback Road, Suite 100 Phoenix, Arizona 85016 Phone: 602) 333-2200	DESIGN	MEI	NAME	DATE	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION TRAFFIC DESIGN SERVICES	ROUTE	I-17	F.H.W.A. Arizona Division	STATE	ARIZ.	PROJECT NO.	017 YV 269	FEDERAL ID NO.	017-B(239)T	SHEET NO.	93	TOTAL SHEETS	104	RECORD DRAWING		
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	CHECKED	BMT		08/26		STRUCTURE NO.		DWG NO. T-04.01													
	I-17 SOUTHBOUND SIGNING PLAN STA 3550+00 TO STA 3606+00					TRACS NO. F0616 01C															OF



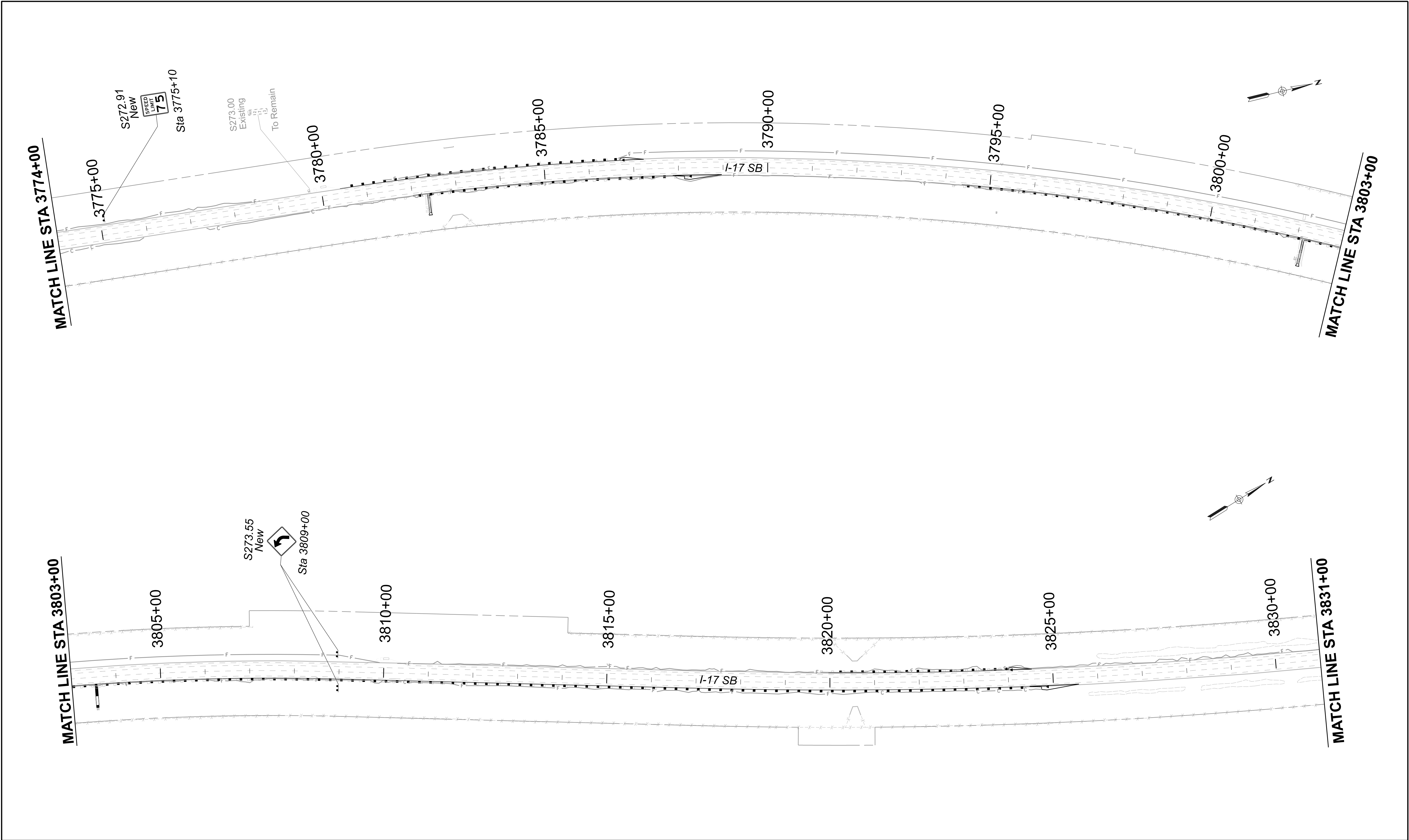
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	DESIGN	MEI	08/26		I-17			017 YV 269	017-B(239)T	94	104	
	DRAWN	SRH	08/26			MILEPOST	E DUGAS ROAD - MP 275				DWG NO. T-04.02	
	CHECKED	BMT	08/26			STRUCTURE NO.	TRACS NO. F0616 01C				OF	
	 3133 East Camelback Road, Suite 100 Phoenix, Arizona 85016 Phone: 1602) 333-2200	I-17 SOUTHBOUND SIGNING PLAN STA 3606+00 TO STA 3663+00										



	 3133 East Camelback Road, Suite 100 Phoenix, Arizona 85016 Phone: 1602) 333-2200	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION TRAFFIC DESIGN SERVICES	ROUTE I-17	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. 017 YV 269	FEDERAL ID NO. 017-B(239)T	SHEET NO. 95	TOTAL SHEETS 104	RECORD DRAWING		
			MILEPOST									
			STRUCTURE NO.	E DUGAS ROAD - MP 275								DWG NO. T-04.03
				TRACS NO. F0616 01C								___ OF ___



 Professional Engineer 51481 BRIANNE MARIE TURPIN PHOTOGRAPHED ARIZONA, U.S.A. DESIGN MEI 08/26 DRAWN SRH 08/26 CHECKED BMT 08/26 Stanley Consultants INC. 3133 East Camelback Road, Suite 100 Phoenix, Arizona 85016 Phone: 602) 333-2200 ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION TRAFFIC DESIGN SERVICES ROUTE I-17 MILEPOST STRUCTURE NO. F.H.W.A. Arizona Division STATE ARIZ. PROJECT NO. 017 YV 269 FEDERAL ID NO. 017-B(239)T SHEET NO. 96 TOTAL SHEETS 104 RECORD DRAWING LOCATION E DUGAS ROAD - MP 275 TRACS NO. F0616 01C DWG NO. T-04.04 OF													
	NAME		DATE										
	DESIGN		MEI	08/26									
	DRAWN		SRH	08/26									
	CHECKED		BMT	08/26									
I-17 SOUTHBOUND SIGNING PLAN STA 3719+00 TO STA 3774+00													



 51481 BRIANNE MARIE TURPIN REGISTERED PROFESSIONAL ENGINEER NOV 2018 ARIZONA, USA Stanley Consultants INC. 3133 East Camelback Road, Suite 100 Phoenix, Arizona 85016 Phone: 602) 333-2200	DESIGN	MEI	08/26	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION TRAFFIC DESIGN SERVICES	ROUTE	I-17	F.H.W.A. Arizona Division	STATE	ARIZ.	PROJECT NO.	017 YV 269	FEDERAL ID NO.	017-B(239)T	SHEET NO.	97	TOTAL SHEETS	104	RECORD DRAWING	
	DRAWN	SRH	08/26		MILEPOST			E DUGAS ROAD - MP 275										DWG NO. T-04.05 ____ OF ____	
	CHECKED	BMT	08/26		STRUCTURE NO.		TRACS NO. F0616 01C												
	I-17 SOUTHBOUND SIGNING PLAN STA 3774+00 TO STA 3831+00																		

CONTROL MEASURE INDEX SHEET (CMIS)

TO BE COMPLETED FOR PROJECT 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: F0616 01C

C. Project Name/Location (be consistent with the plan set cover sheet): I-17 SB (Dugas Road to MP 275)

City: Mayer County: Yavapai

Beginning Latitude (NAD 83): 34°25'12"

Beginning Longitude (NAD 83): 247°56'16"

Ending Latitude (NAD 83): 34°30'20"

Ending Longitude (NAD 83): 248°00'04"

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: Superelevation Improvements on Interstate 17 Southbound between MP 269.3 to 275.6

II. HYDROLOGIC INFORMATION

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

Percentage before Construction: 19.7

Percentage after Construction: 19.7

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)

III. SOIL STABILIZATION MEASURES

- All disturbed soil, which will not be paved, ripped 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 Matting
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 ManagementPractices (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: Rock Protection for Inlets, Outlets, & Headwalls

** Track and report to ADOT EP Water Resources Management: ADOTWater@azdot.gov



	NAME	DATE
DESIGN	RRV	07/26
DRAWN	RM	07/26
CHECKED	CAD	07/26

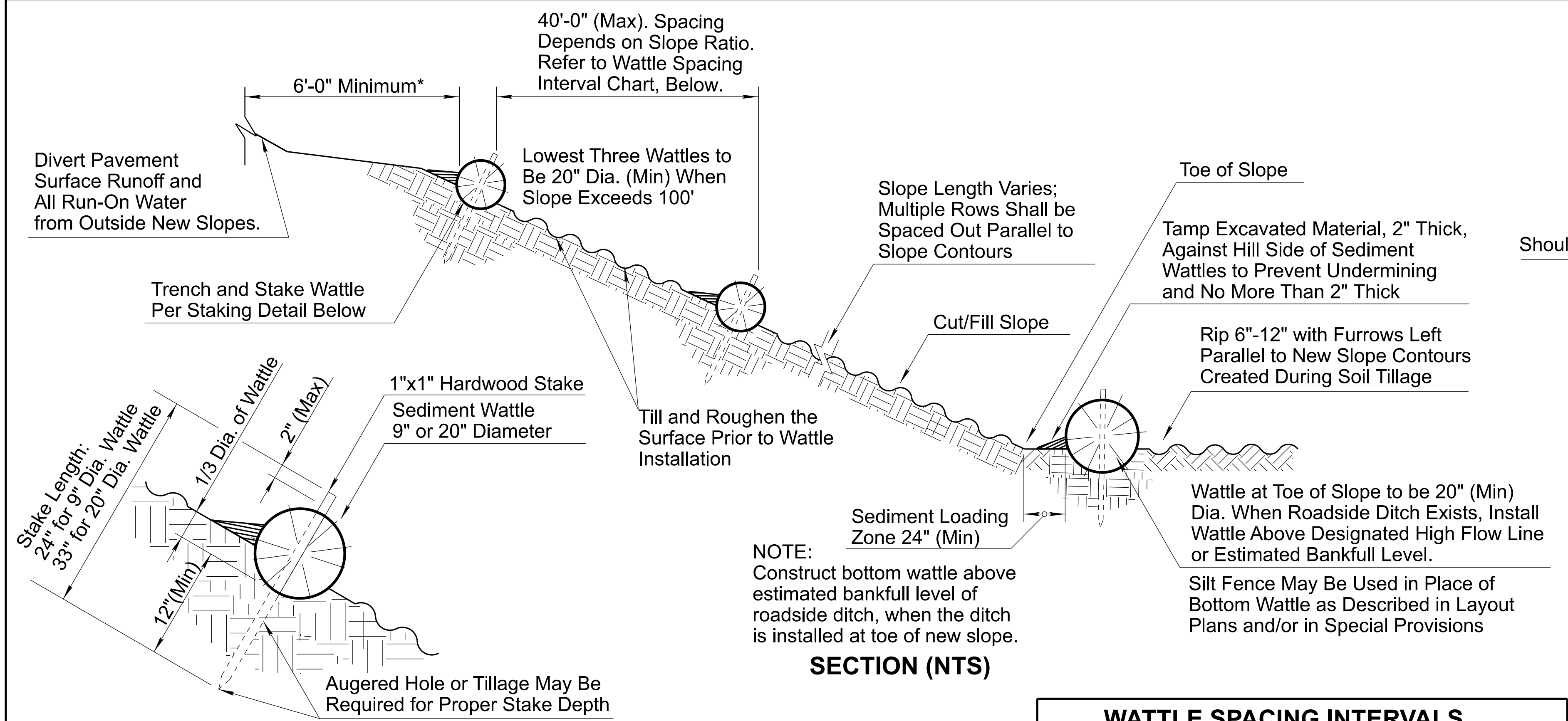


3133 East Camelback Road, Suite 100
Phoenix, Arizona 85016
Phone: (602) 333-2200

Stanley Consultants INC.

ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION ROADSIDE DEVELOPMENT SECTION STORMWATER & AIR QUALITY CONTROL MEASURE INDEX SHEET (CMIS)
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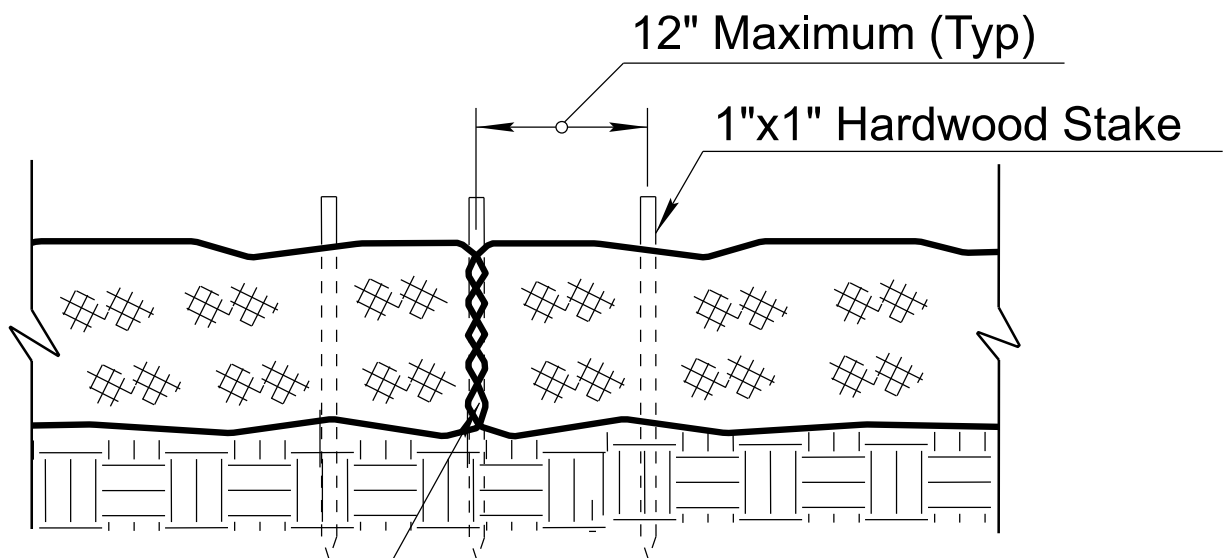
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MILEPOST	E DUGAS ROAD - MP 275						DWG NO. EC-01.01
STRUCTURE NO.	TRACS NO. F0616 01C						OF



SECTION (NTS)

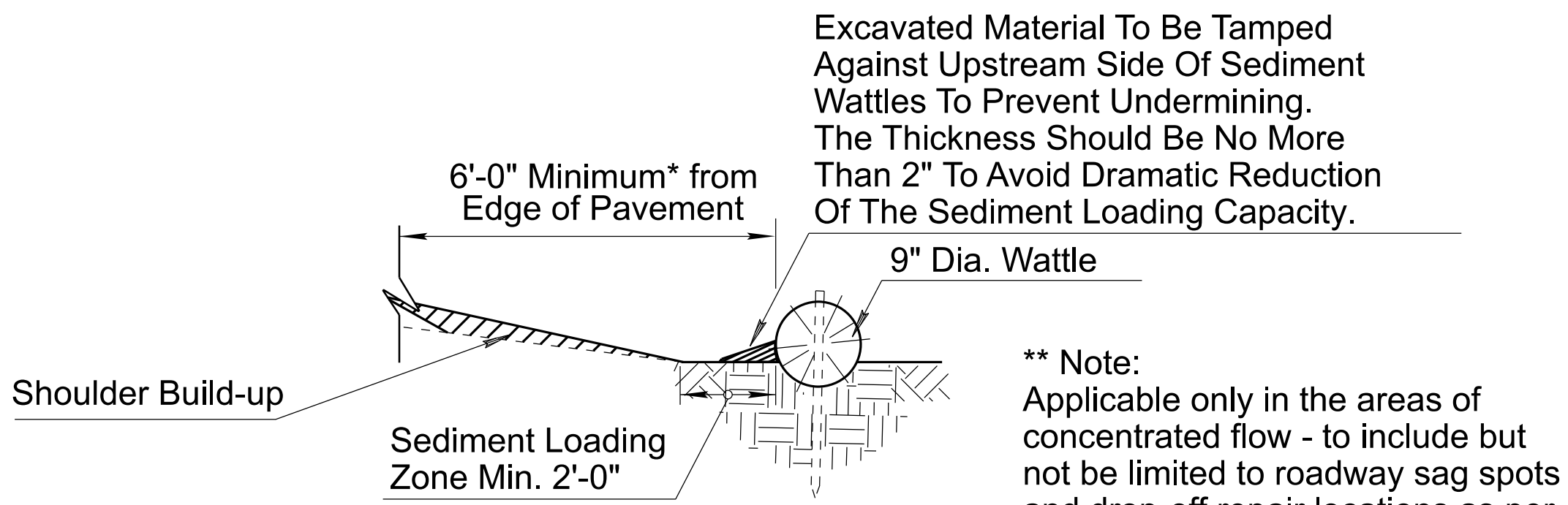
WATTLE SPACING INTERVALS	
Slope Ratio (H:V)	Maximum Spacing Interval
2:1	10'
3:1	20'
4:1	30'
5:1	40'
6:1	40'

- * 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.



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

SEDIMENT WATTLE OVERLAP (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.

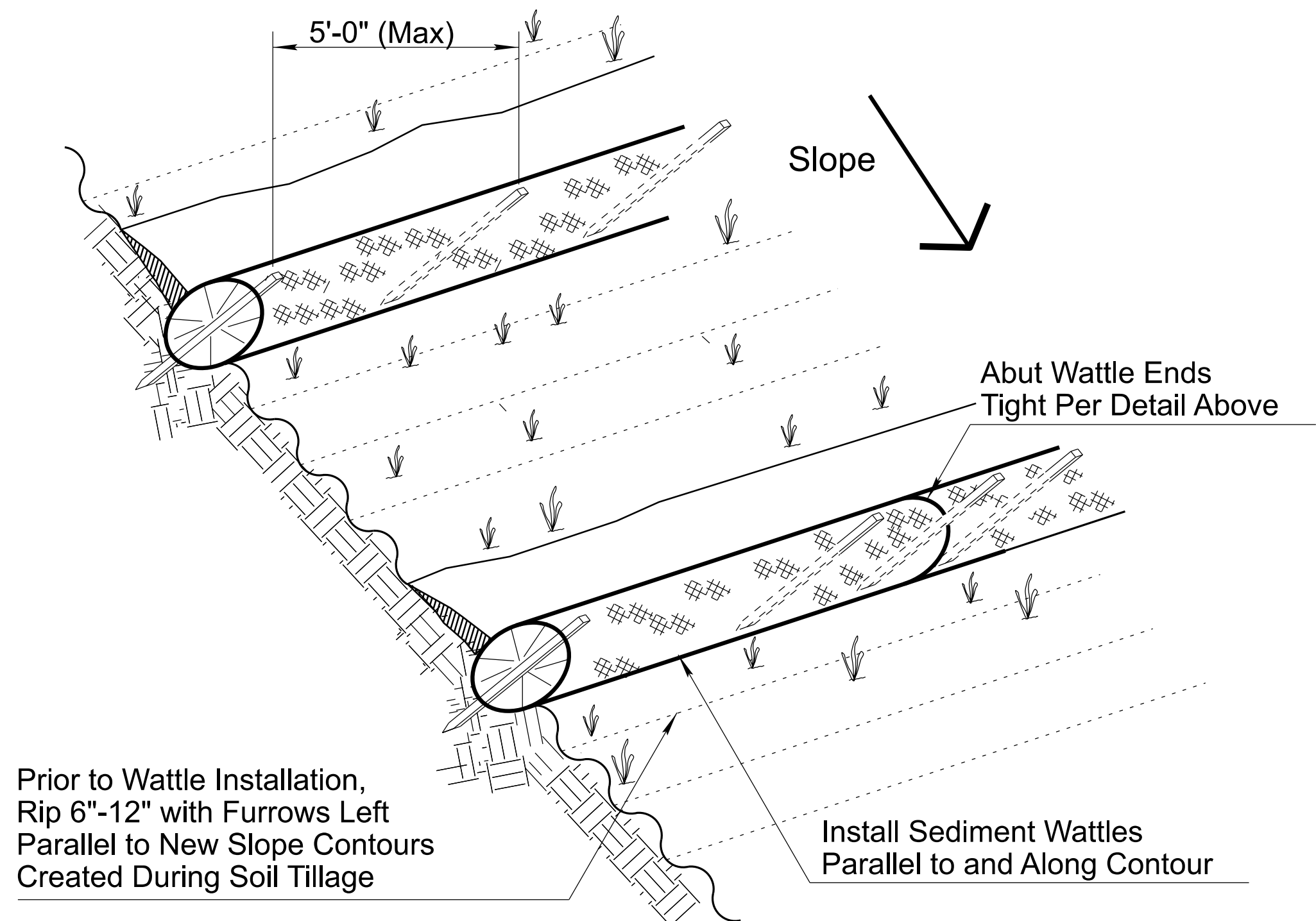
NEW SHOULDER BUILDUP **
PROTECTION SECTION (NTS)

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 these 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.
13. The contractor shall place wattles parallel to the slope contours and along lines of equal elevation and as directed by the Engineer.

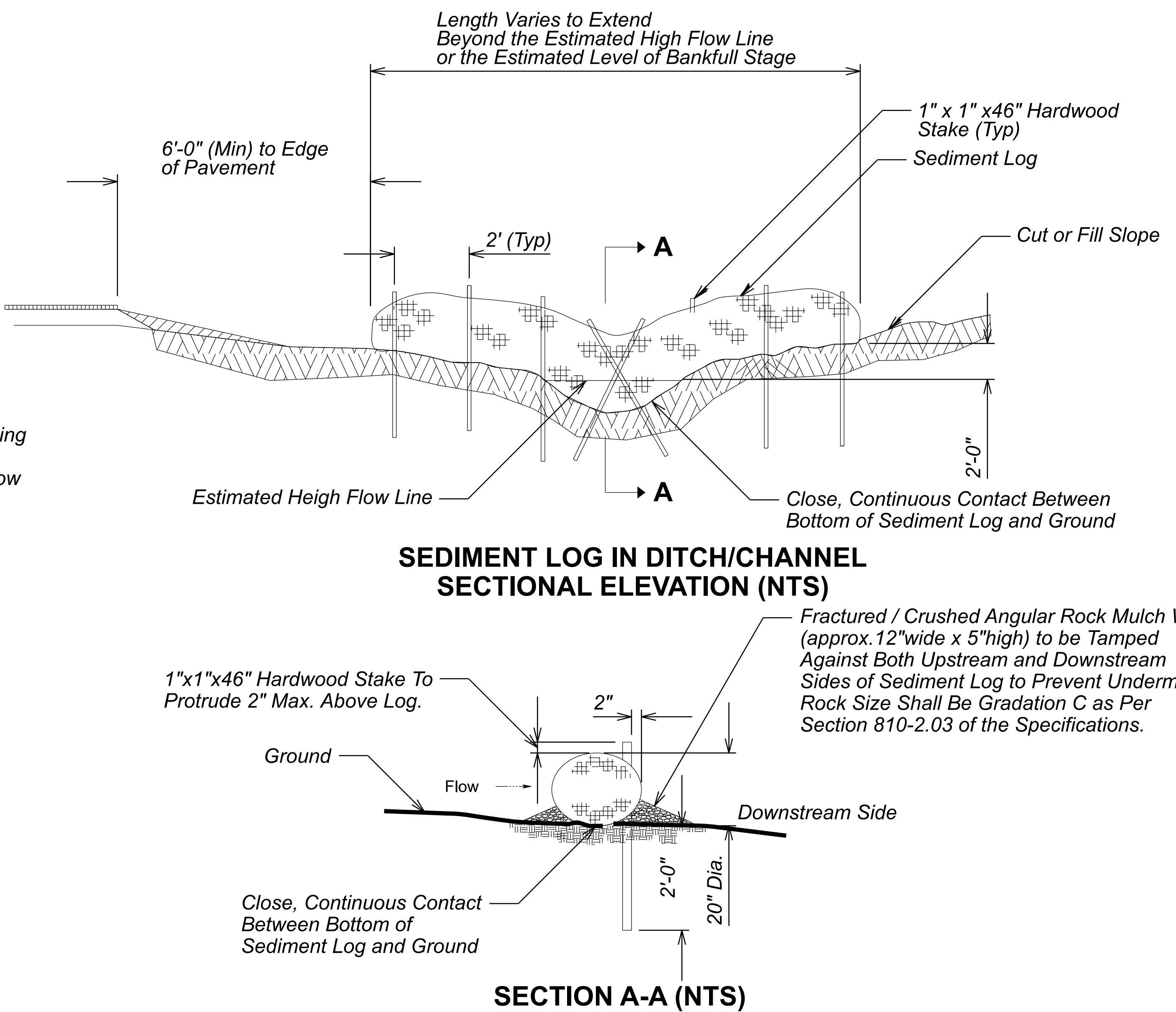
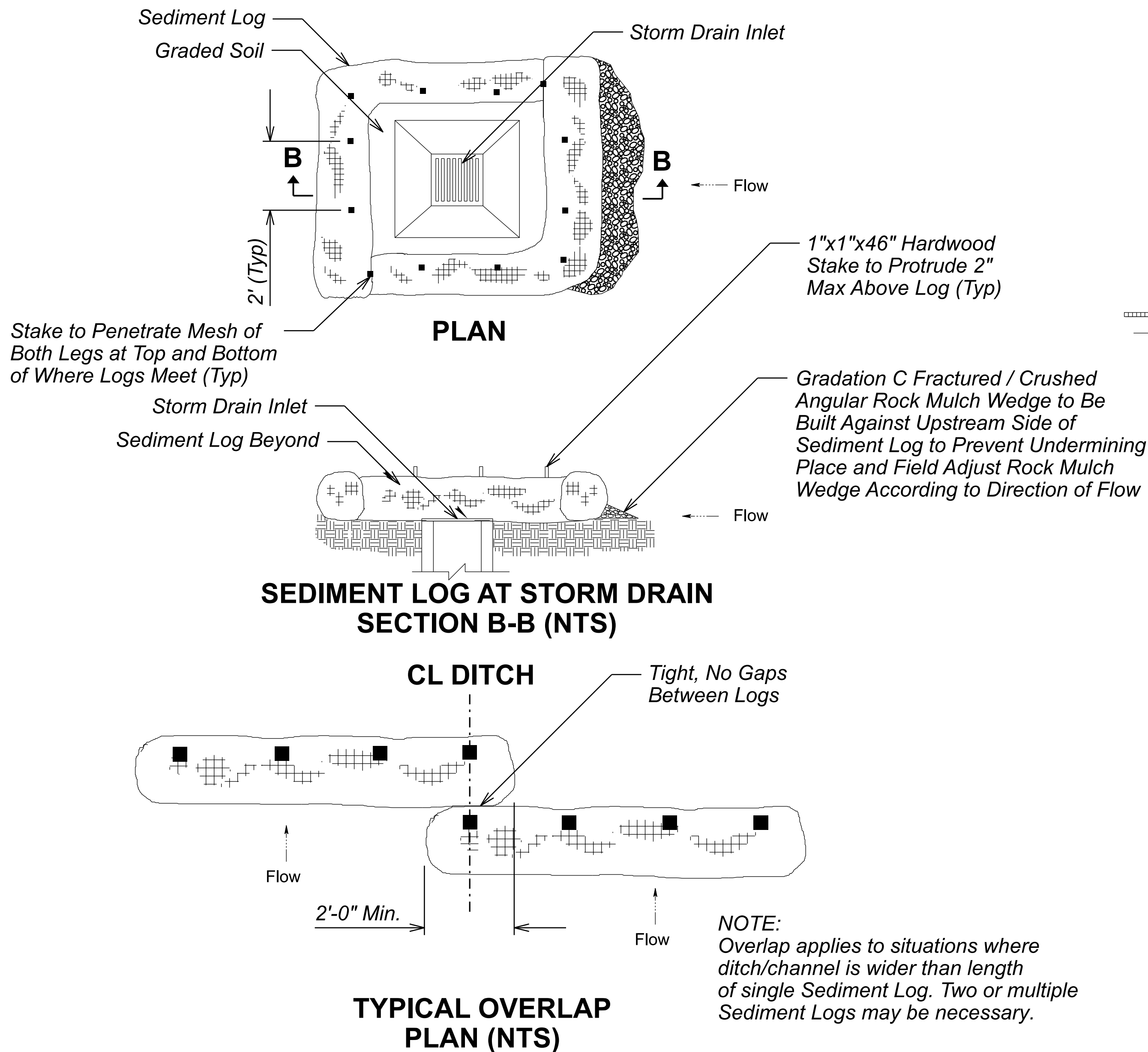
DETAIL ES1
SEDIMENT WATTLE

SEDIMENT WATTLE STAKING
DETAIL (NTS)



SEDIMENT WATTLE LAYOUT (NTS)

	NAME		DATE	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION ROADSIDE DEVELOPMENT SECTION	ROUTE I-17	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	DESIGN	RRV	07/26					017 YV 269	017-B(239)T	101	104	
	DRAWN	RM	07/26		LOCATION E DUGAS ROAD - MP 275			DWG NO. EC-02.01				
	CHECKED CAD		07/26	STORMWATER QUALITY PROTECTION & EROSION/SEDIMENT CONTROL DETAILS	STRUCTURE NO.	TRACS NO. F0616 01C		OF				
	 3133 East Camelback Road, Suite 100 Phoenix, Arizona 85016 Phone: (602) 333-2200 Stanley Consultants INC.											



- NOTES:
- Sediment Logs shall not be installed in the urban freeway medians, nor where cable barrier systems are employed.
 - Locate Sediment Logs as indicated in plans, SWPPP or as directed by the Engineer.
 - Select, install and maintain Logs per manufacturers' specifications and good engineering practices.
 - Lay Sediment Log across prepared roadside ditch or channel. Trenching or burial of Sediment Logs is not required. The close, continuous contact between the bottom of the Log and the ground is mandatory. The Logs shall be installed in the roadside ditch, swale or channel bottom perpendicular to the flow of water as shown on detail this sheet.
 - Stake Log as shown. Stakes shall be placed through downstream side only as shown.
 - DO NOT drive stakes through center of the Log. Stakes must be driven into the ground as shown.
 - Ensure that no gaps exist between soil and bottom of Sediment Log. Repair any rills or undercuts promptly.
 - Placement of Sediment Logs shall be evaluated by the Engineer in rocky soil conditions.
 - Remove Sediment Log CMs/BMPs within the ditches/channels and around the storm drain inlets as per the direction of the Engineer or as soon as practicable upon stabilization of the construction disturbed area.
 - Dispose of Sediment Logs and trapped sediment material and fill trench created by Sediment Log.
 - The installation and maintenance of Sediment Log CMs/BMPs shall not negatively impact traffic safety, nor the designed function of roadway or bridge drainage facilities. Sediment Logs shall be installed and maintained to carry the stormwater of at least 2-year, 24-hour events.
 - Make field adjustments and corrections of Sediment Log CM/BMP immediately if it is causing flooding, erosion, and/or affecting roadway safety.
 - Rock mulch/riprap may be required for channel/ditch lining or rock check dams for longitudinal ditch slopes that exceed 5% and/or for soil conditions not suitable for Log installation.

- NOTES:
- The Sediment Log 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, as well as returning the area to an acceptable condition as approved by the Engineer.
 - Refer to Specification Section 810-2.06(B) for Sediment Log material specifications.
 - Make field adjustments and corrections to ensure NO sensitive biological resources (native species / habitats) will be adversely impacted.
 - Construct Rock Wedge with angular-shaped Gradation C Rock Mulch as defined in Section 810-2.03 of the Specifications and project special provisions. Natural river-run materials such as rounded river rocks/cobblestones and pebbles are NOT acceptable.
 - The contractor shall install sediment logs symmetrically across the centerline of the ditch. Sediment logs shall be field adjusted to avoid rocky areas and as directed by the Engineer.

DETAIL ES2

SEDIMENT LOG



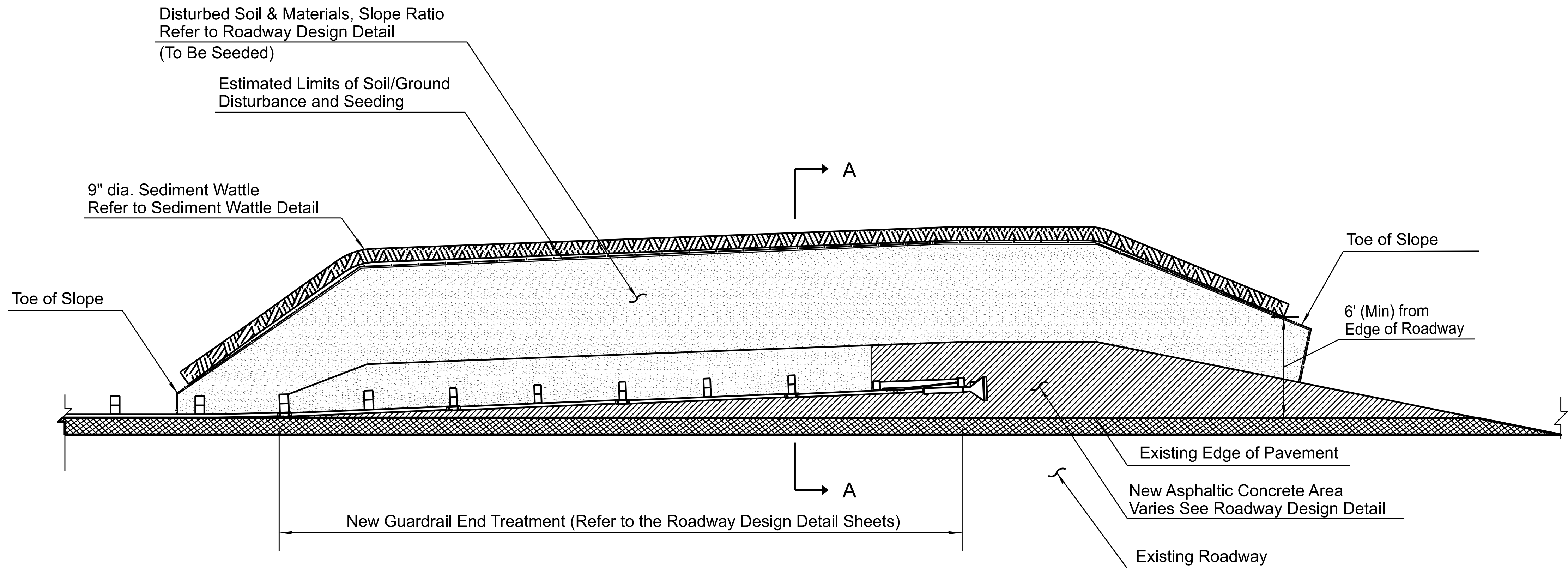
	NAME	DATE
DESIGN	JML	07/26
DRAWN	JML	07/26
CHECKED	DBK	07/26

Stanley Consultants INC.

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

STORMWATER QUALITY PROTECTION &
EROSION/SEDIMENT CONTROL DETAILS

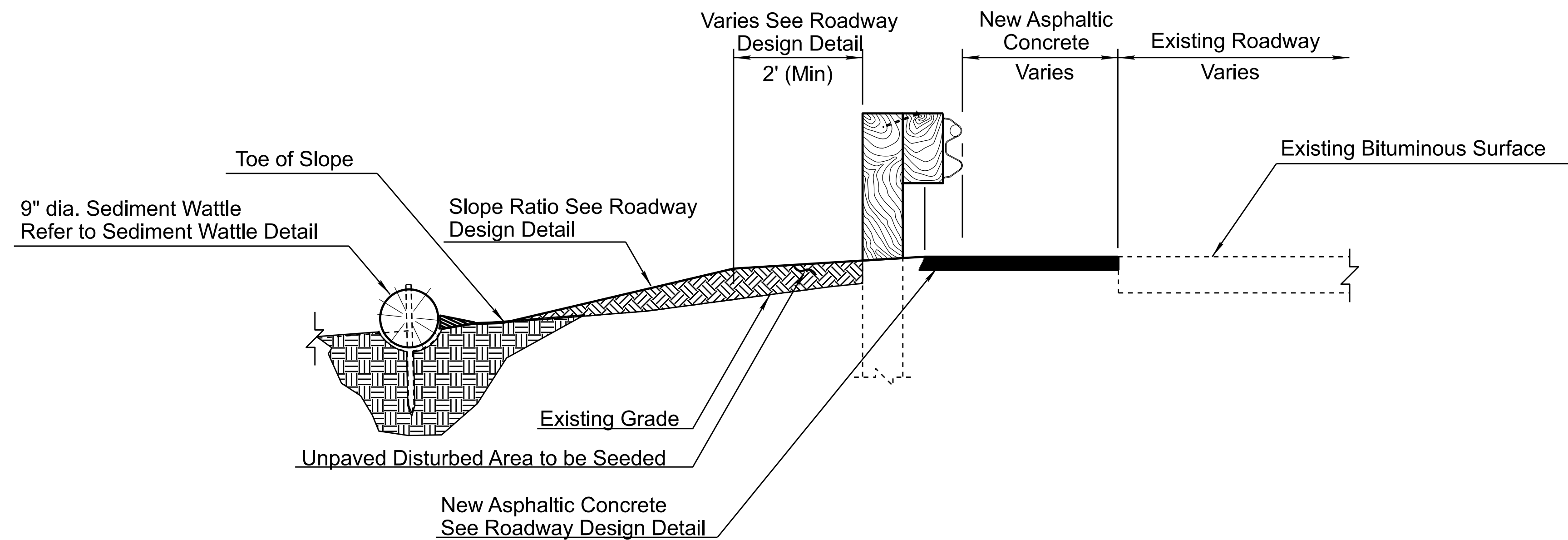
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MILEPOST	E DUGAS ROAD - MP 275						DWG NO. EC-02.02
STRUCTURE NO.	TRACS NO. F0616 01C						OF



PLAN VIEW (NTS)

NOTES:

1. Install Sediment Wattle beyond the toe of new slope.
Use 9" diameter Sediment Wattles, unless directed by the Engineer.
If slope exceeds 100 feet in length (top to toe), use 20" Sediment Wattle at toe of slope.
Long slopes will require additional protection between top and toe of slope.
2. Locate Sediment Wattle as indicated on plans or as directed by the Engineer.
3. Place Sediment Wattle a minimum of 6'-0" from edge of roadway without guardrail.
4. Remove surface materials i.e. soil, rock, branches, leaves, slash and chips from the existing grade as needed to place the Sediment Wattle. Refer to Sediment Wattle detail for installation.
5. The installation and maintenance of Guardrail End Treatment Slope Protection CMs/BMPs shall not negatively impact traffic safety, nor the designed function of roadway or bridge drainage facilities. For erosion/sediment control purposes, Guardrail End Treatment Slope Protection CMs/BMPs shall be installed and maintained to carry the stormwater of at least 2-year, 24-hour events.
6. Remove Sediment Wattle per the direction of the Engineer or as soon as practicable upon stabilization of the construction disturbed area.
7. Make field adjustments and corrections of Guardrail Slope Protection CM/BMP immediately if it is causing flooding, and/or affecting roadway safety.
8. Make field adjustments and corrections to ensure NO sensitive biological resources (native species / habitats) will be adversely impacted.



SECTION A-A (NTS)

DETAIL ES3

GUARDRAIL END TREATMENT SLOPE PROTECTION



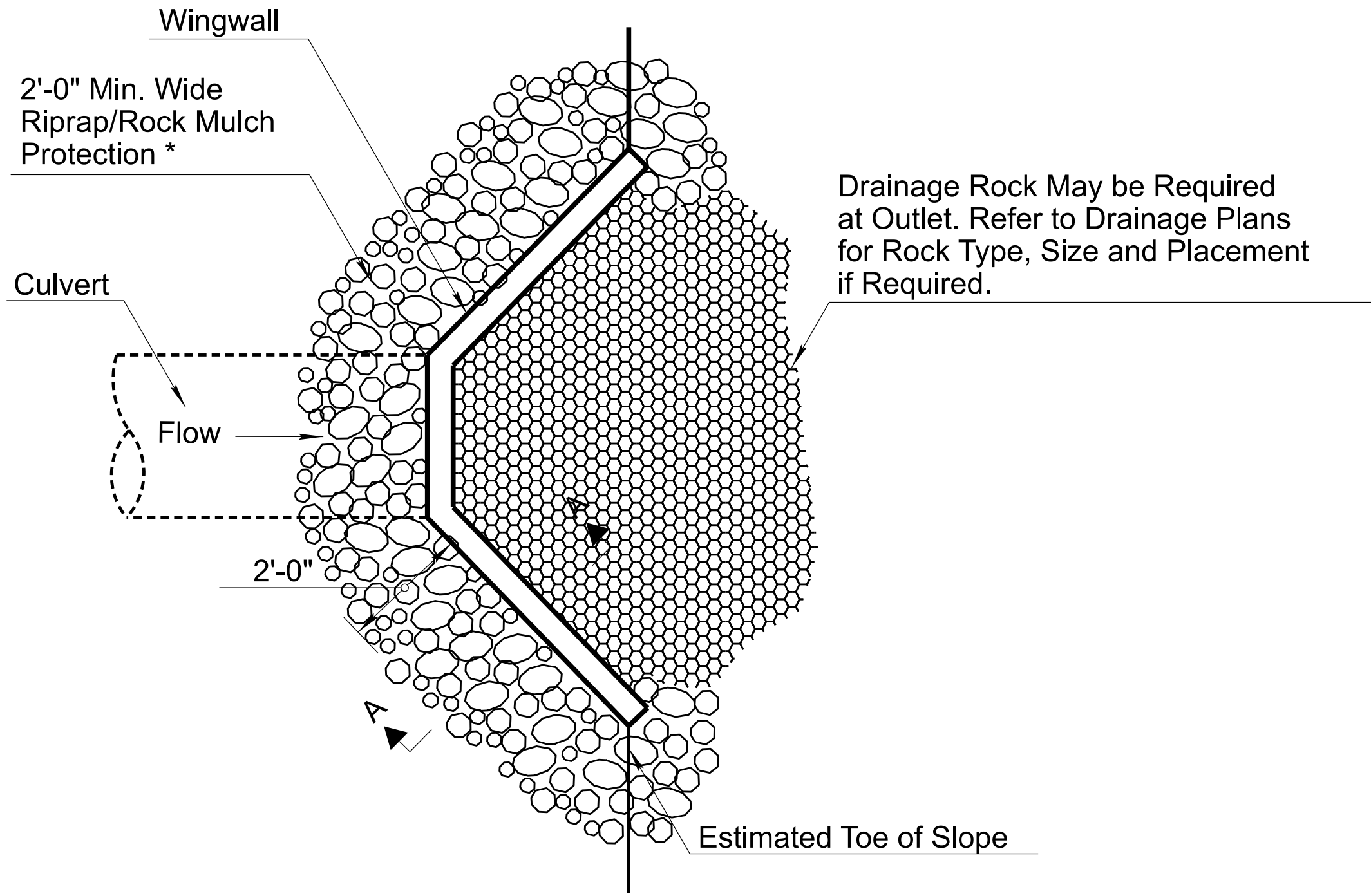
DESIGN	NAME	DATE
JML	JML	07/26
DRAWN	JML	07/26
CHECKED	DBK	07/26

333 East Camelback Road, Suite 100
Phoenix, Arizona 85016
Phone: 1602 333-2200

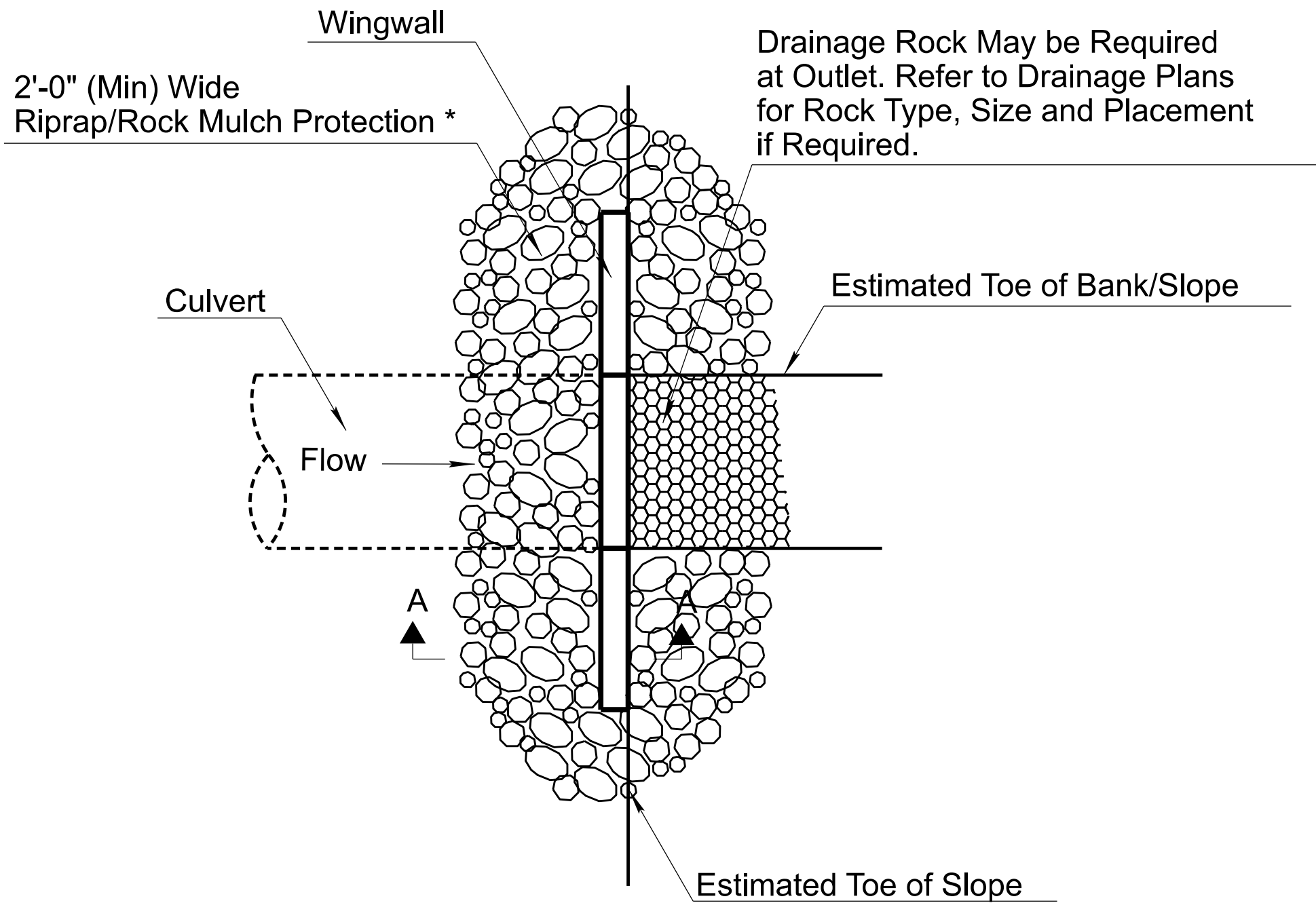
Stanley Consultants INC.

ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION ROADSIDE DEVELOPMENT SECTION
STORMWATER QUALITY PROTECTION & EROSION/SEDIMENT CONTROL DETAILS

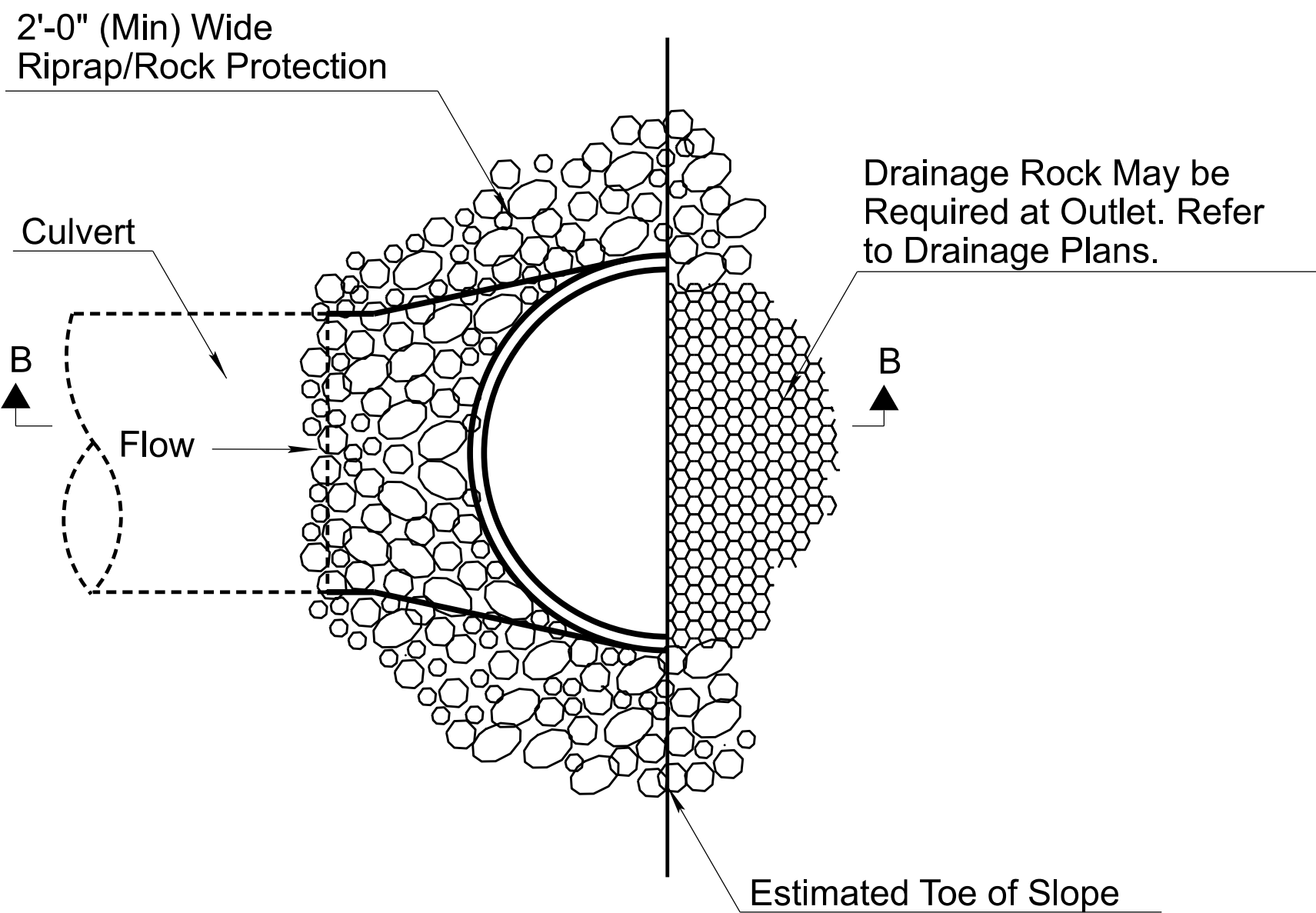
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MILEPOST	LOCATION E DUGAS ROAD - MP 275					DWG NO. EC-02.03	
STRUCTURE NO.	TRACS NO. F0616 01C					___ OF ___	



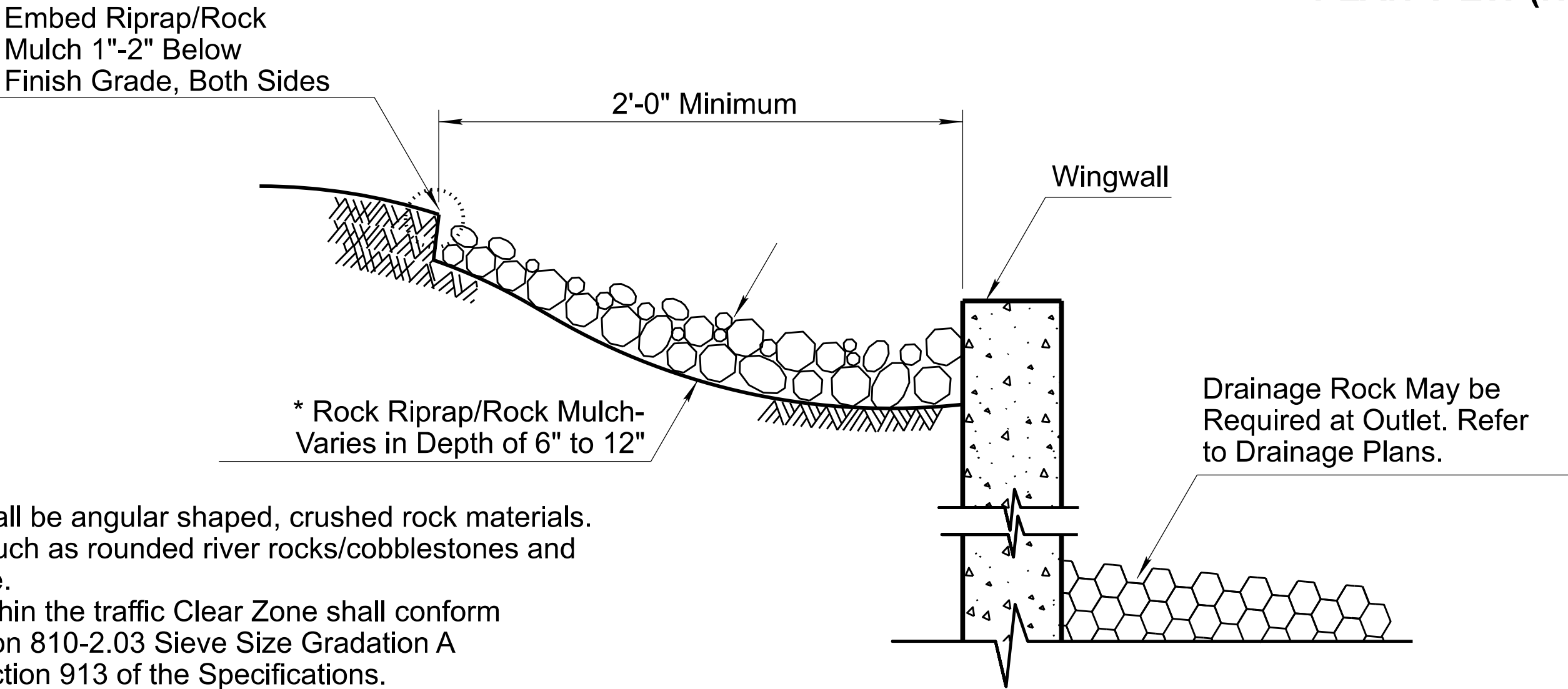
ANGLED HEADWALL / ENDWALL
PLAN VIEW (NTS)



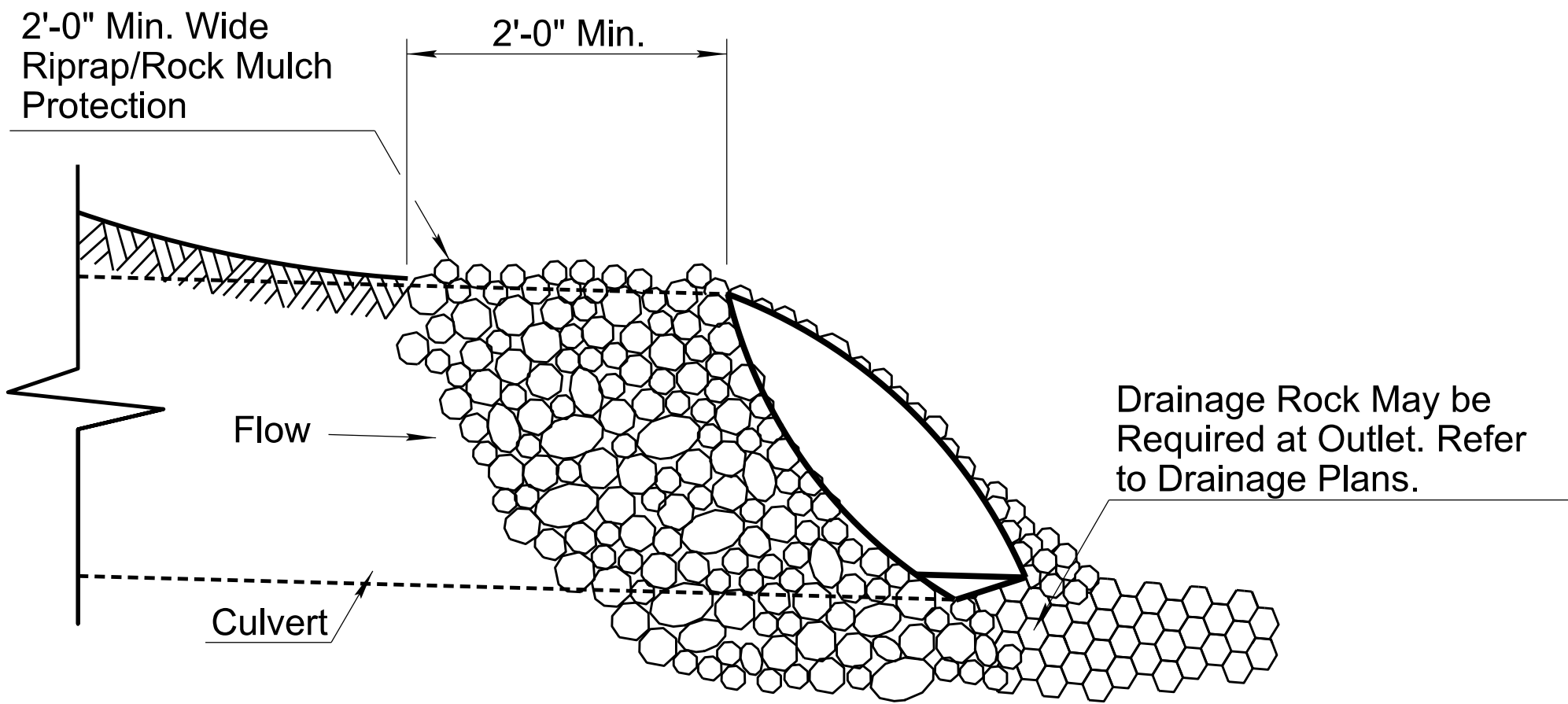
FLUSH HEADWALL / ENDWALL
PLAN VIEW (NTS)



FLARED END
PLAN VIEW (NTS)



WINGWALL
SECTION A-A (NTS)



FLARED END
SECTION B-B (NTS)

- NOTES:
1. Rock Riprap/Rock Mulch shall be angular shaped, crushed rock materials. Natural river-run materials such as rounded river rocks/cobblestones and pebbles are NOT acceptable.
 2. Rock Riprap/Rock Mulch within the traffic Clear Zone shall conform to the requirements of Section 810-2.03 Sieve Size Gradation A and/or Gradation C, and Section 913 of the Specifications.
 3. Embed rock within traffic recovery area/clear zone into the finished grade so that any portion of the rock above the grade will be less than 4" in height.
 4. The installation and maintenance of Rock Protection CMs/BMPs shall not negatively impact traffic safety, nor the designed function of roadway or bridge drainage facilities. Rock Protection CMs/BMPs shall be installed and maintained to carry the stormwater of at least 2-year, 24-hour events.
 5. Make field adjustments and corrections of Rock Protection CM/BMP immediately if it is causing flooding, erosion, and/or affecting roadway safety.
 6. The Rock Protection CM/BMP's pay/bid item shall include all materials used for this CM/BMP: all ground preparation, furnishing, installing, maintaining as well as returning the area to an acceptable condition as approved by the Engineer.
 7. Make field adjustments and corrections to ensure NO sensitive biological resources (native species / habitats) will be adversely impacted.

* Rock protection shall be installed behind applicable box culvert headwall/wingwall where called out in the plans and approved by the Engineer.

DETAIL ES4

ROCK PROTECTION FOR INLETS,
OUTLETS, AND HEADWALLS



	NAME	DATE
DESIGN	JML	07/26
DRAWN	AEM	07/26
CHECKED	JM	07/26

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333 East Camelback Road, Suite 100
Phoenix, Arizona 85016
Phone: 1602 335-2200

ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION ROADSIDE DEVELOPMENT SECTION
ROADSIDE DETAIL SHEET ROCK PROTECTION FOR INLETS, OUTLETS, & HEADWALLS

ROUTE I-17	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. 017 YV 269	FEDERAL ID NO. 017-B(239)T	SHEET NO. 104	TOTAL SHEETS 104	RECORD DRAWING
MILEPOST	LOCATION E DUGAS ROAD - MP 275					DWG NO. EC-02.04	
STRUCTURE NO.	TRACS NO. F0616 01C					___ OF ___	