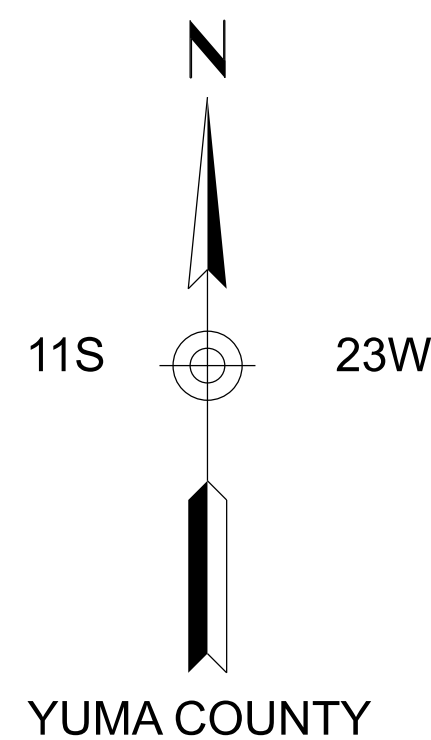
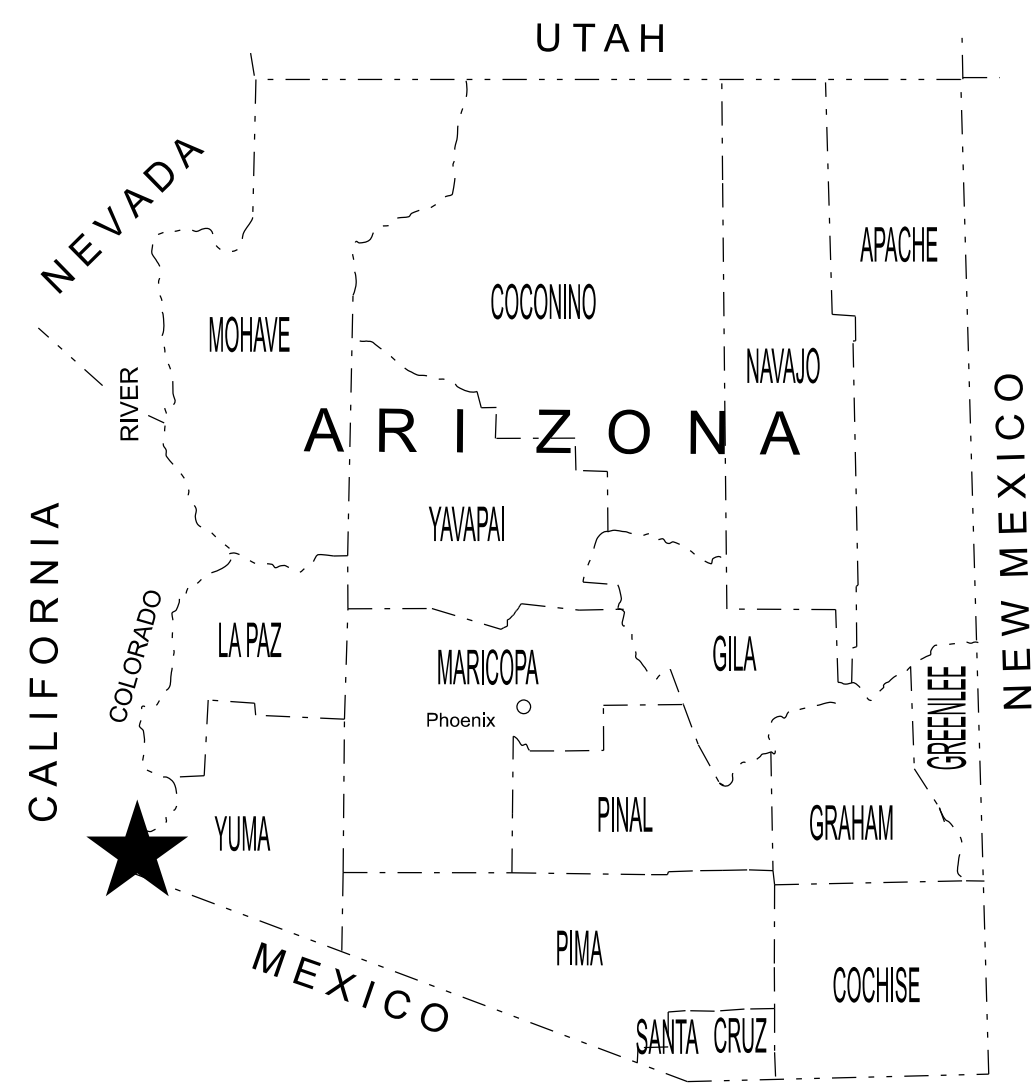
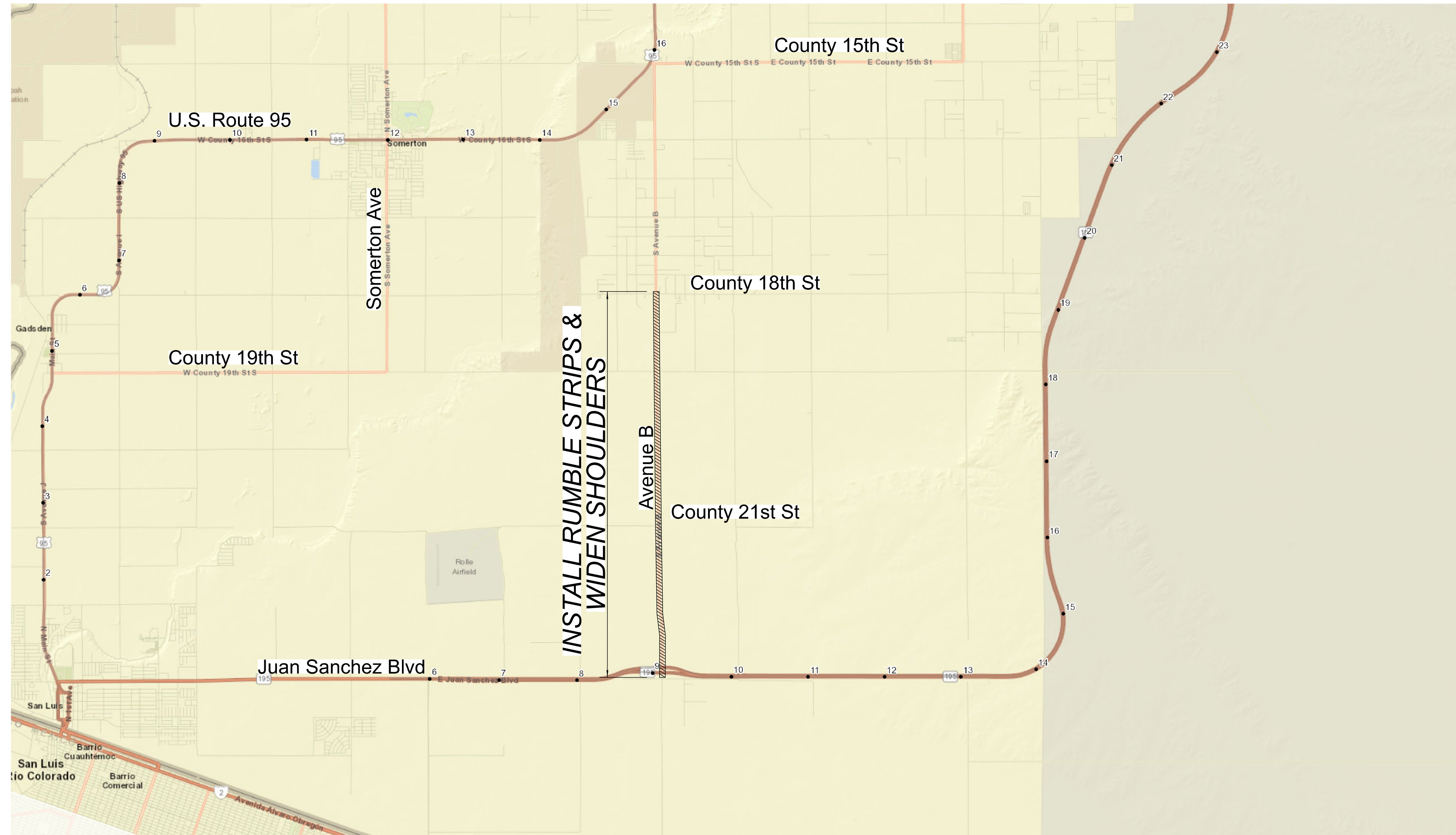




STATE OF ARIZONA
DEPARTMENT OF TRANSPORTATION
PROJECT DELIVERY AND OPERATIONS DIVISION
PROJECT PLANS
RURAL AREA
YUMA COUNTY



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

AVENUE B, COUNTY 18TH ST - SR 195
PROJECT NO.: 0000 YU YYU T0439 01C
FEDERAL AID NO.: YYU-0(221)T

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	
		MICHAEL SCHOEN	07/26	
PROJECT NO. 0000 YU YYU T0439 01C			1A	OF 37
RECORD DRAWING DATA	FEDERAL ID NO. YYU-0(221)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			
SIGNING & MARKING STANDARDS		NAME	DATE
PROJECT NO.		MICHAEL SCHOEN	07/26
0000 YU YYU T0439 01C		1B-1	OF 37
RECORD DRAWING DATA	FEDERAL ID NO. YYU-0(221)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		NAME MICHAEL SCHOEN	DATE 07/26
PROJECT NO. 0000 YU YYU T0439 01C			1B-2 OF 37
RECORD DRAWING DATA	FEDERAL ID NO. YYU-0(221)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-1A Handout Only:

Other, see Section 10 Other Environmental Issues.

BIO-1B Training:

Other, see Section 10 Other Environmental Issues.

BIO-1C Contents: Option 1: Handout and/or training materials provided by ADOT.

BIO-1D Biologist: Option 2: Contractor provides biologist;

Species of concern:

Other, see Section 10 Other Environmental Issues.

BIO-1E Specific Species Monitoring: ☒ 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-3A and BIO-3C: Burrowing Owl Awareness Flyer and Burrowing Owl Relocations; see Section 104.16 BIO-3A and Section 104.16 BIO-3C of the specifications for direction.

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.

☒ No Vegetation Protection Program Action Required; See Std. Spec. 107.11 for General Requirements

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

Is Asbestos present? ☒ No ☐ Yes

Is a NESHAP notice required? ☒ No ☐ Yes

Is Lead-based paint present? ☒ No ☐ Yes

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

- If any burrowing owls or active burrows are identified, the contractor shall notify the Engineer immediately. No construction activities shall take place within 100 feet of any active burrow.
- The contractor shall hire a qualified biologist to present flat-tailed horned lizard awareness training. Only the qualified biologist working under a valid Arizona Game and Fish Department Scientific Collecting Permit will be allowed to handle and relocate flat-tailed horned lizards. The resume of the qualified biologist shall be submitted to the Arizona Department of Transportation Southwest District and Environmental Planning Biologist for prior review and approval.
- No construction activities south of County 21st Street, including ground disturbing activities, shall begin until a qualified biologist has presented an environmental awareness program to personnel who will be on-site, including but not limited to, contractors, contractors' employees, supervisors, inspectors, and subcontractors. This program will contain, at a minimum, information concerning the biology and distribution of the flat-tailed horned lizard (*Phrynosoma mcallii*), measures to avoid impacts, and procedures to be implemented in case of encounters.
- If any flat-tailed horned lizards are encountered during construction, the contractor shall stop work in the area and contact the Engineer and ADOT biologist to evaluate the situation.
- South of County 21st Street, the contractor shall clearly flag or similarly mark all project work areas at the outer boundaries to define the limit of work activities. All on-site construction personnel shall restrict their activities and vehicles to areas that have been marked.
- South of County 21st Street, clearing of vegetation and grading shall be minimized to the extent possible. Wherever possible, equipment and vehicles shall use existing surfaces or previously disturbed areas. Where grading is necessary, surface soils shall be stockpiled and replaced following construction to facilitate habitat restoration.
 - This work will be at no additional cost to the Department.

Arizona Department of Transportation Environmental Planning Standard Template				
Environmental, Permits, Issues, And Commitments (EPIC) Sheet				
Environmental Planner Name	Dena Whitaker		R.E. Name	
Environmental Planning Date of Completion	7/2/2026		R.E. Signature <	

MIDPOINT OF PROJECT

West Zone
State Plane Coordinates
X=422939.186
Y=559072.102

DESIGN DATA

2023 AADT = 10847
Design Speed = 50 MPH

LENGTH OF PROJECT

Sta 19+49.18 to 270+46.15 = 25090.61'
Gross and Net Length = 25090.61' - 4.75 Miles

INDEX OF SHEETS

Sheet No.	Sheet No.	Sheet Type
1	1	Face Sheet
1A, 1B-1, 1B-2	1A, 1B-1, 1B-2	ADOT Standard Drawing Sheets
1F	1F	EPIC Sheet
2	DS01	Design Sheet
3	DS02	Typical Section Sheet
4	DS03	Detail Sheet
5-8	GEO1-GEO4	Geometric Control Sheets
9-23	P01-P15	Roadway Plan Sheets
24-27	MOT01-MOT04	Maintenance of Traffic Sheets
28-29	PM00-PM01	Pavement Marking Sheet and Signing Notes Sheets
30-33	SGN01-SGN04	Sign Summary Sheets
34-35	RS01-RS02	Rumble Strip Sheets
36-37	EC01-EC02	Erosion Control Sheets

GENERAL NOTES

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

The project roadway shall be striped by the contractor in accordance with the current edition of the Signing and Marking Standard Drawings (M and S-Series) and the pavement marking plans.

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 Arizona 811 laws and Section 107.15 of the specifications.

The average project elevation is 115' .

The pavement shoulders shall be treated with a rumble strip: see detail sheet.

There will be no separate payment for safety edge work. Payment for this work is to be included in the payment for asphalt paving.

New Right of Way and easements are not required.

LEGEND

AP	Angle Point
BOR	Bureau of Reclamation
DWY	Driveway
EOS	Edge of Shoulder
ESMT	Easement
PROP	Proposed
R/W	Right-of-Way
SHLDR	Shoulder

EARTHWORK QUANTITIES

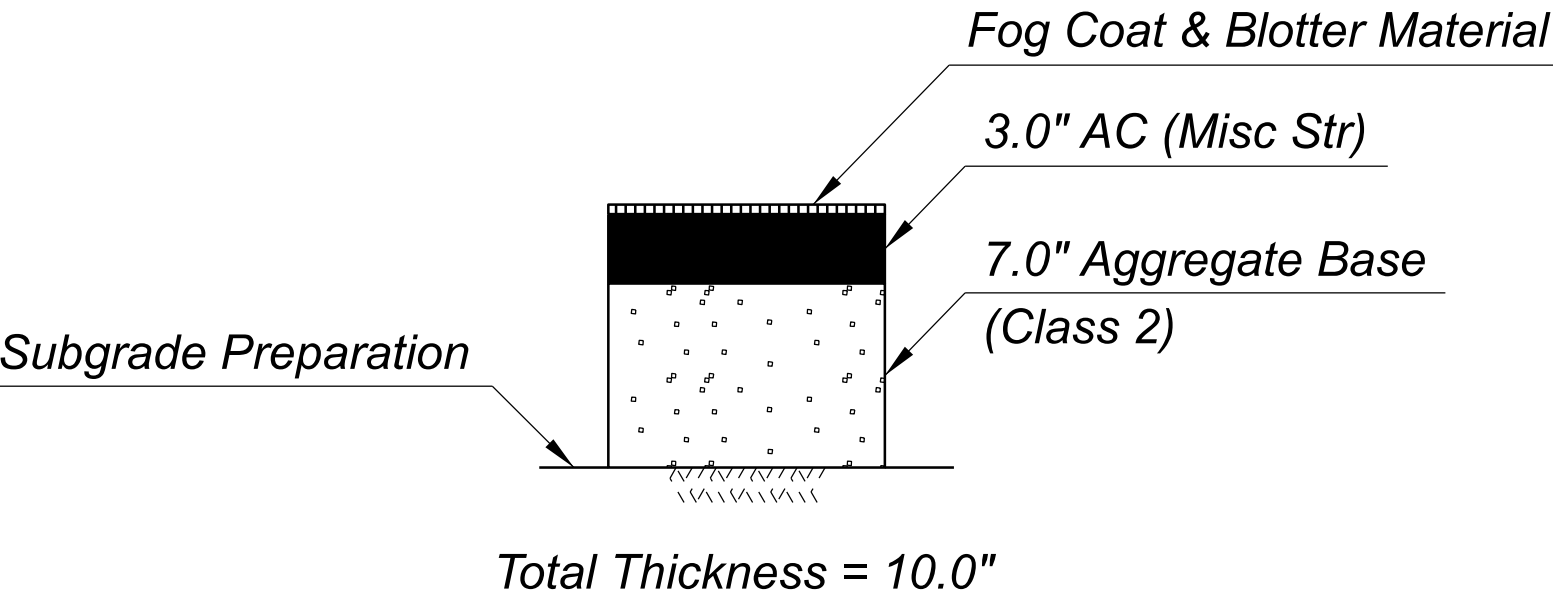
Roadway Excavation	5,562 CY
Excavation Shrink	501 CY
Embankment	200 CY
Excess Material Waste	4,861 CY

Note: Roadway excavation does not include AC removal quantitiy

Pay Item

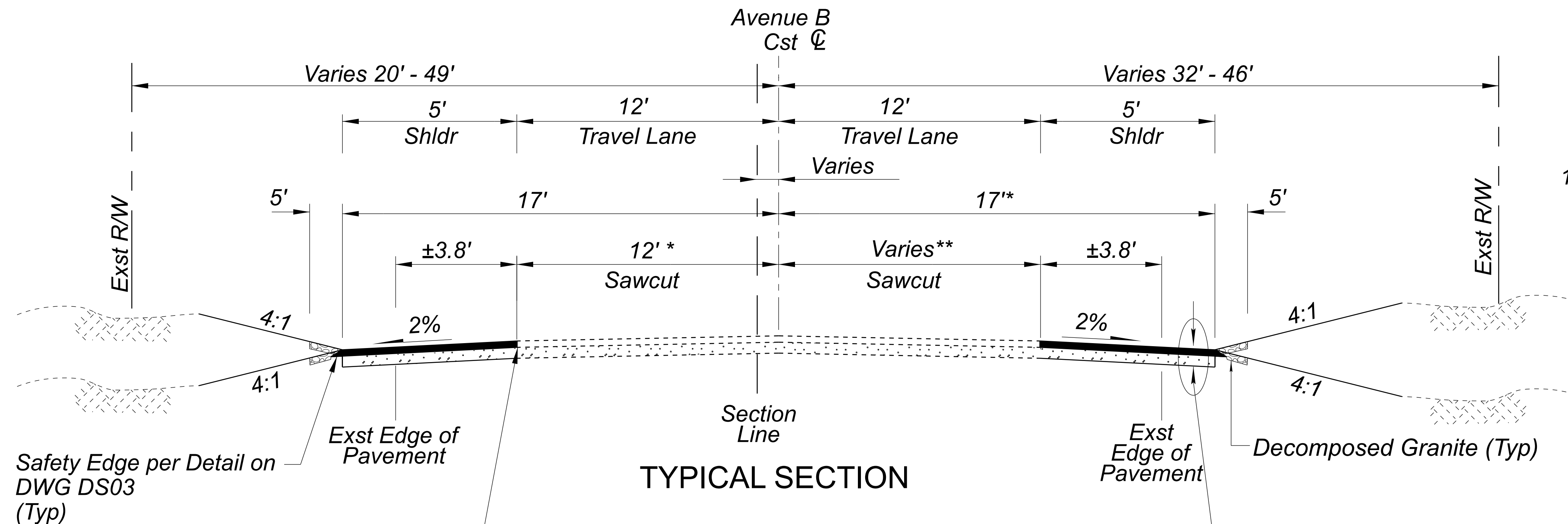
EARTHWORK FACTORS

Location	Shrink	Ground Compaction
Within Project Limits	9.0%	0.10'



PAVEMENT STRUCTURAL SECTION NO.1

Roadway Width Limits*
21' - 17' 19+49.18 - 19+87.25



Sawcut Limits**

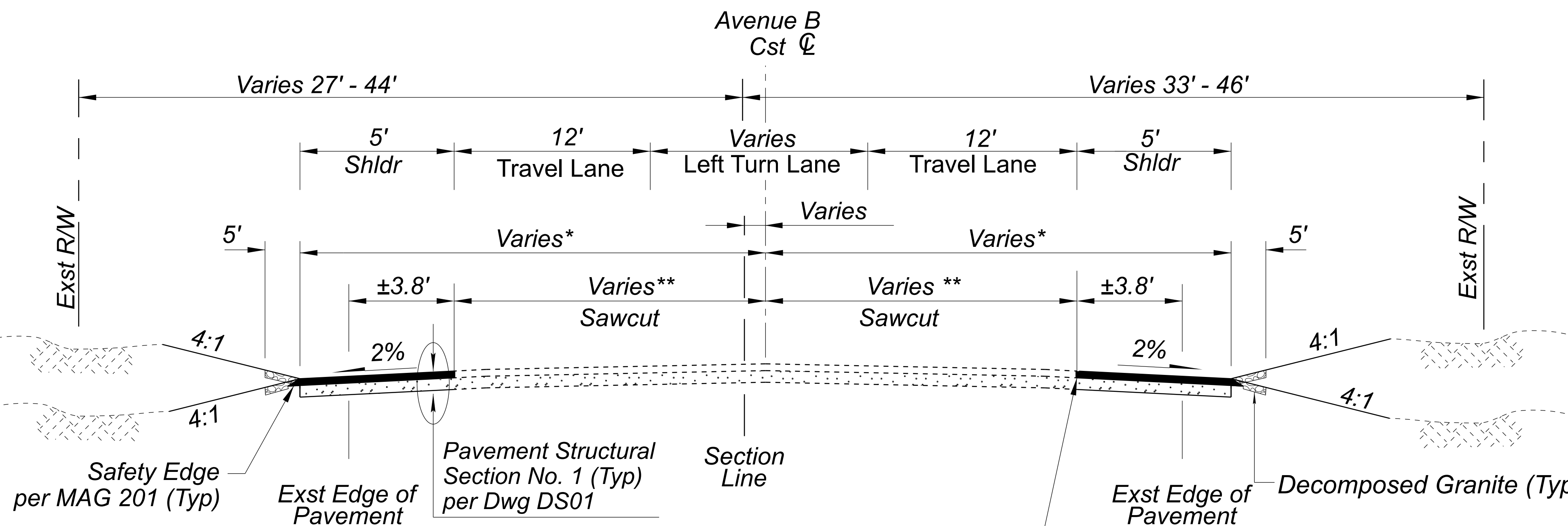
16' - 12'	19+49.18 - 19+87.25
12'	19+87.25 - 153+46.73
None	153+46.73 - 169+10.30
12'	169+10.30 - 189+26.83
12'	202+78.99 - 209+29.61
12'	224+29.77 - 261+27.93

Roadway Width Limits*

17' - 23'	189+26.83 - 193+75.60
23'	193+75.60 - 199+95.73
23' - 17'	199+95.73 - 202+79.49
17' - 25'	209+29.61 - 216+72.76
32.5' - 20'	220+46.66 - 222+76.19
20' - 17'	222+76.19 - 224+29.77
17' - 28.5'	261+27.94 - 267+50.06
28.5'	267+50.06 - 270+46.15

Sawcut Limits**

12' - 18'	189+26.83 - 193+75.60
18' - 12'	199+95.73 - 202+79.49
12' - 20'	209+29.51 - 216+72.75
27' - 15'	220+40.66 - 222+76.19
15' - 12'	222+76.19 - 224+29.77
12' - 23.5'	261+27.94 - 267+50.06
23.5'	267+50.06 - 270+46.15



Roadway Width Limits*

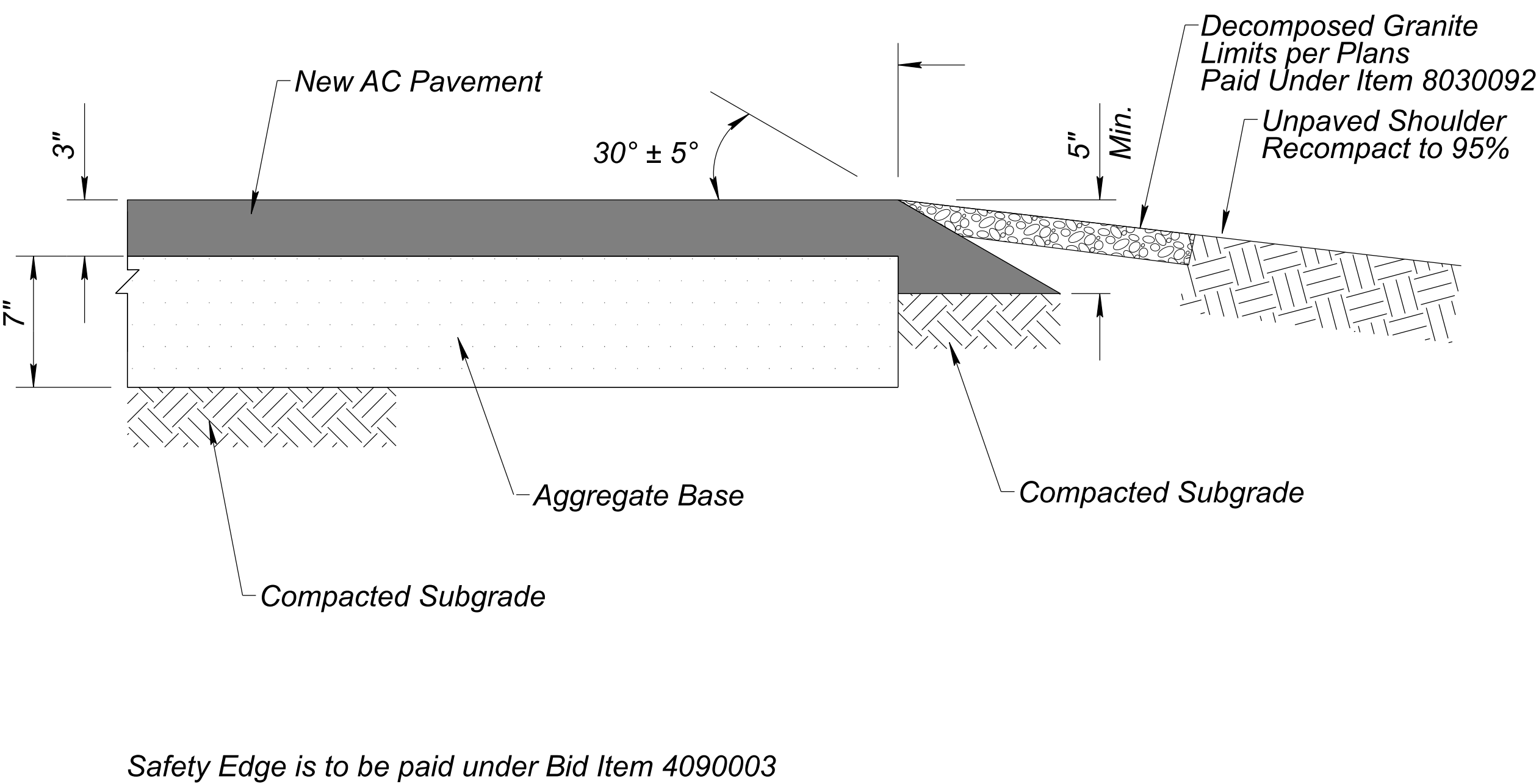
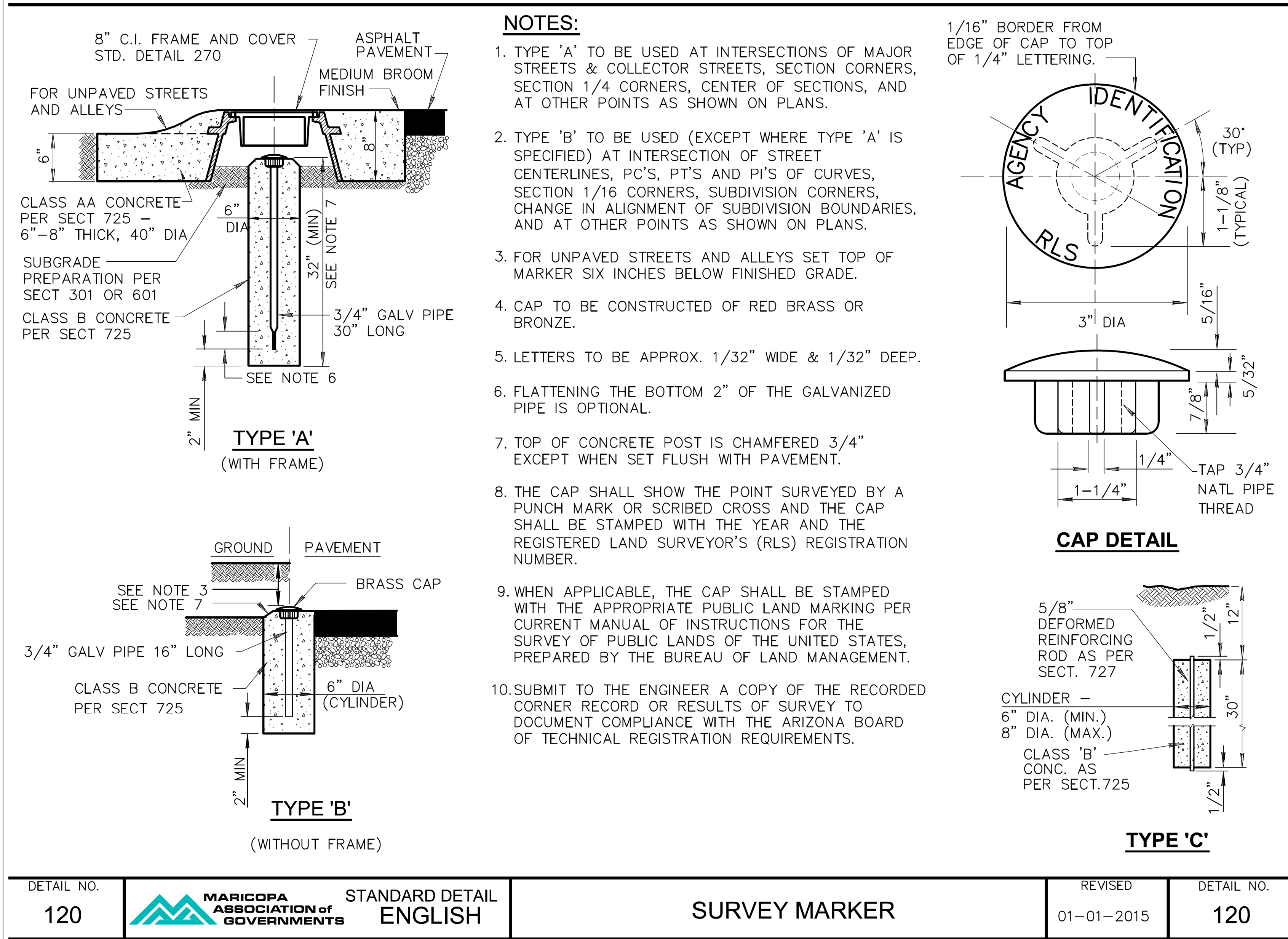
17' - 18.5'	189+26.83 - 191+26.33
None	191+26.33 - 191+68.07
19'	191+68.07 - 192+73.28
None	192+73.28 - 196+75.14
32.2' - 23'	196+75.14 - 196+86.33
23' - 17'	196+86.33 - 202+79.49
17'	202+79.49 - 211+97.09
None	211+97.09 - 212+85.07
18'	212+85.07 - 213+47.69
18' - 29.5'	213+47.69 - 214+95.09
29.5'	214+95.09 - 216+67.32

Sawcut Limits**

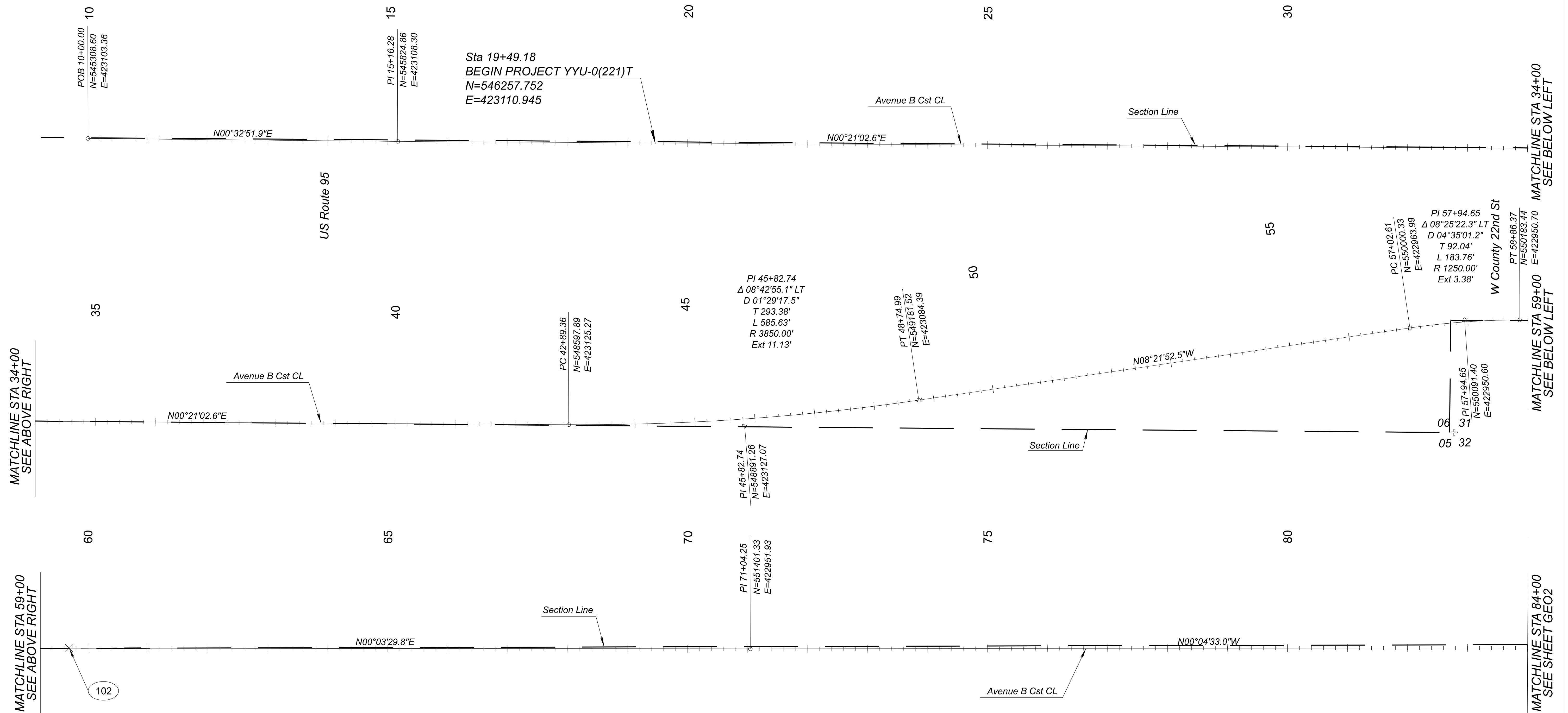
12' - 13.5'	189+26.83 - 191+26.33
None	191+26.33 - 191+68.07
14'	191+68.07 - 192+73.28
None	192+73.28 - 196+71.96
18'	196+84.54 - 199+95.79
18' - 12'	199+95.79 - 202+79.49
None	211+97.09 - 212+85.07
13'	212+85.07 - 213+47.69
13' - 24.5'	213+47.69 - 214+95.09
24.5'	214+95.09 - 216+67.32
None	216+67.32 - 218+76.69
15.7' - 12'	218+76.69 - 220+26.55

	DESIGN	M. SCHOEN	DATE	07/26	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SECTION	ROUTE	F.H.W.A. Arizona Division	STATE	ARIZ.	PROJECT NO.	0000 YU YYU	FEDERAL ID NO.	YYU-0(221)T	SHEET NO.	3	TOTAL SHEETS	37	RECORD DRAWING
	DRAWN	P. ESCOBAR	DATE	07/26														
	CHECKED	H. RIOS	DATE	07/26														
					TYPICAL SECTION SHEET													

LOCATION		AVENUE B, COUNTY 18TH ST - SR 195		DWG	DS02
TRACS NO.		T0439 01C		OF	



	DESIGN	NAME	DATE	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SECTION	ROUTE	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING	
	DRAWN	P. ESCOBAR	07/26		MILEPOST			0000 YU YYU	YYU-0(221)T	4	37		
	CHECKED	H. RIOS	07/26		STRUCTURE NO.			AVENUE B, COUNTY 18TH ST - SR 195			DWG		DS03
	wsp				DETAILS			TRACS NO.	T0439 01C	OF			



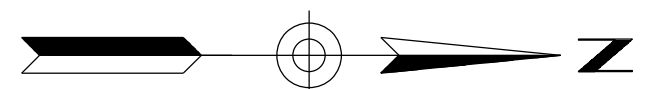
SURVEY CONTROL

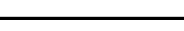
HORIZONTAL DATUM: NAD 83 Arizona State Plane - West Zone, International Feet

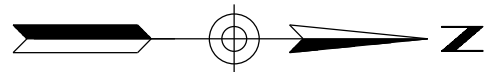
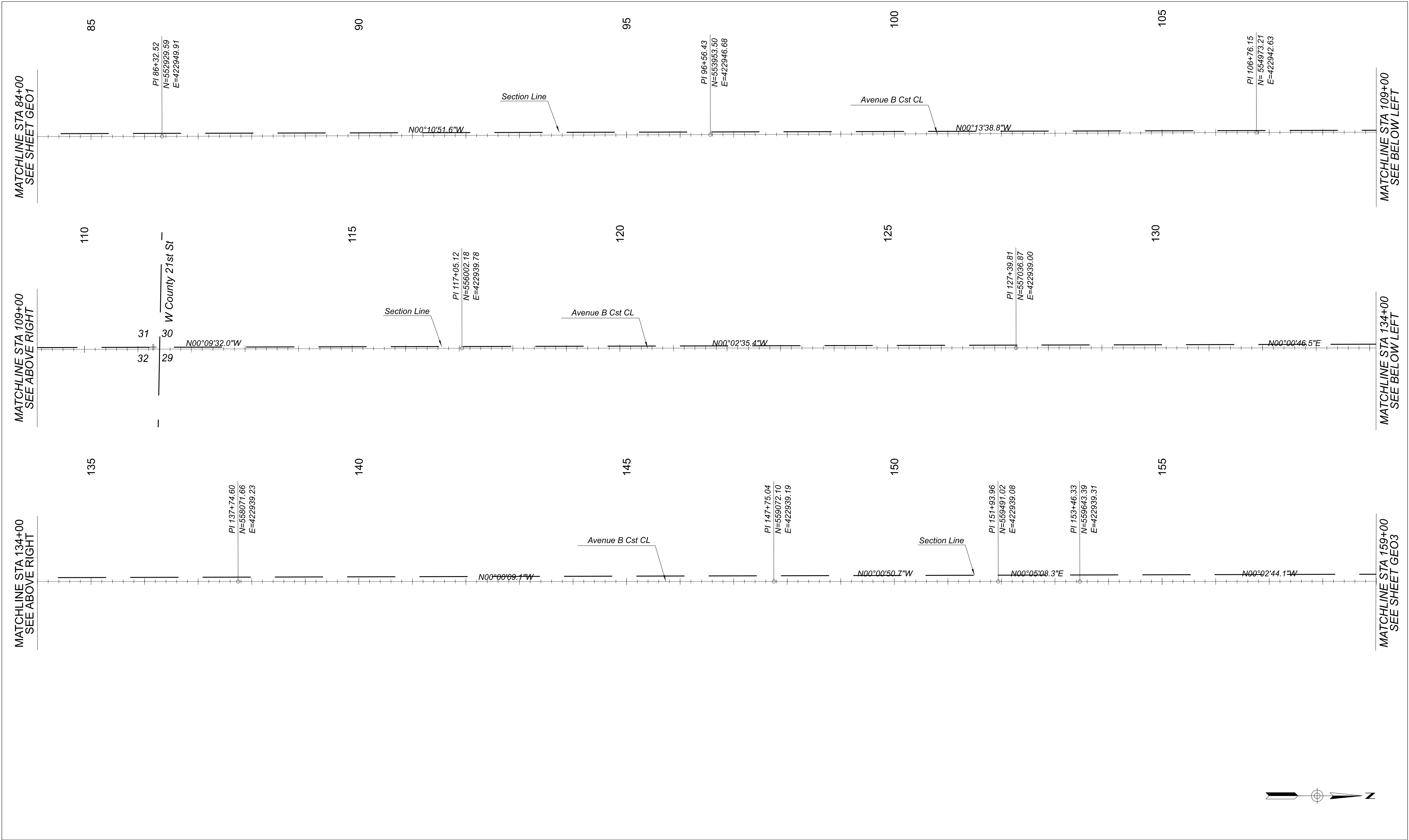
Scaled from grid to ground coordinates at N:0000.00, E: 0000.00, using a scale factor of 1.000023

BENCHMARK POINT CONTROL

Secondary Benchmark - Trace Point #102, 1/2" Rebar located approximately 63' South and 54' West of the calculated SW corner of Section 32, T. 10S, R. 23W. G&SRMB&M
Elev. = 188.74 (NAVD88)
N:422950.78, E:550265.71

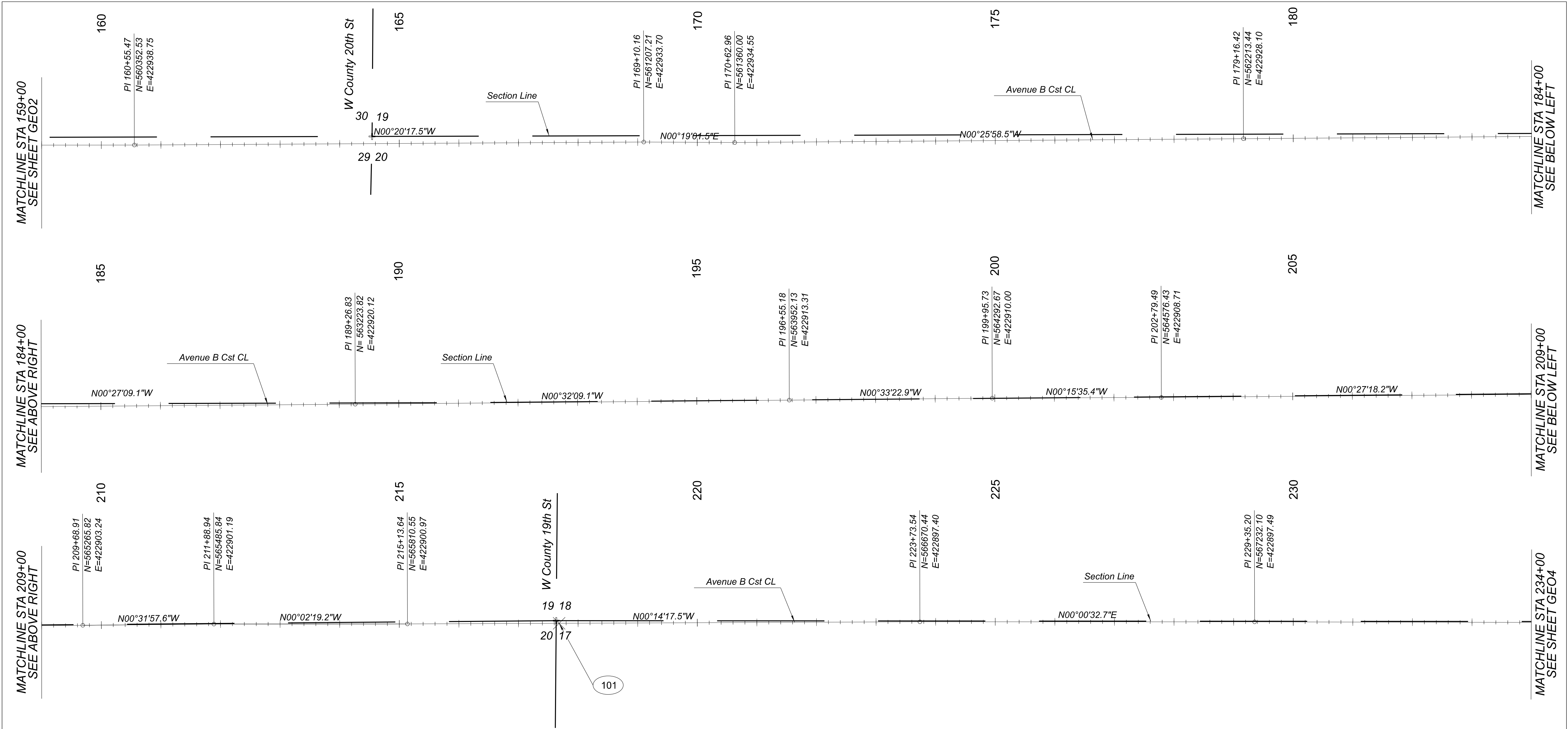


	<table><tr><th></th><th>NAME</th><th>DATE</th></tr><tr><td>DESIGN</td><td>M. SCHOEN</td><td>07/26</td></tr><tr><td>DRAWN</td><td>P. ESCOBAR</td><td>07/26</td></tr><tr><td>CHECKED</td><td>H. RIOS</td><td>07/26</td></tr></table>				NAME	DATE	DESIGN	M. SCHOEN	07/26	DRAWN	P. ESCOBAR	07/26	CHECKED	H. RIOS	07/26	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SECTION		ROUTE	F.H.W.A. Arizona Division	STATE	ARIZ.	PROJECT NO.	0000 YU YYU	FEDERAL ID NO.	YYU-0(221)T	SHEET NO.	5	TOTAL SHEETS	37	RECORD DRAWING
		NAME	DATE																											
	DESIGN	M. SCHOEN	07/26																											
	DRAWN	P. ESCOBAR	07/26																											
CHECKED	H. RIOS	07/26																												
 WSP USA Inc. 1200 West Washington Street, Suite 600 Tempe, AZ 85289			GEOMETRIC CONTROL SHEETS		MILEPOST	LOCATION										AVENUE B, COUNTY 18TH ST - SR 195		DWG	GEO1											
					STRUCTURE NO.	TRACS NO.										T0439 01C		OF												
						LOCATION										AVENUE B, COUNTY 18TH ST - SR 195														



70847 MICHAEL J SCHOEN 7/17/26 ARIZONA U.S.A. WSP WSP USA Inc. 1230 West Washington Street, Suite 600 Tempe, AZ 85285 <table><tr><td>DESIGN</td><td>M. SCHOEN</td><td>07/26</td></tr><tr><td>DRAWN</td><td>P. ESCOBAR</td><td>07/26</td></tr><tr><td>CHECKED</td><td>H. RIOS</td><td>07/26</td></tr></table> <tr><td colspan="3">ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SECTION</td></tr> <tr><td colspan="3">GEOMETRIC CONTROL SHEETS</td></tr>	DESIGN	M. SCHOEN	07/26	DRAWN	P. ESCOBAR	07/26	CHECKED	H. RIOS	07/26	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SECTION			GEOMETRIC CONTROL SHEETS		
	DESIGN	M. SCHOEN	07/26												
	DRAWN	P. ESCOBAR	07/26												
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ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SECTION															
GEOMETRIC CONTROL SHEETS															

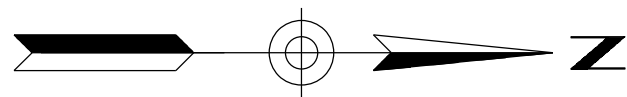
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STRUCTURE NO.		AVENUE B, COUNTY 18TH ST - SR 195				DWG	GEO2
TRACS NO. T0439 01C			____ OF ____				



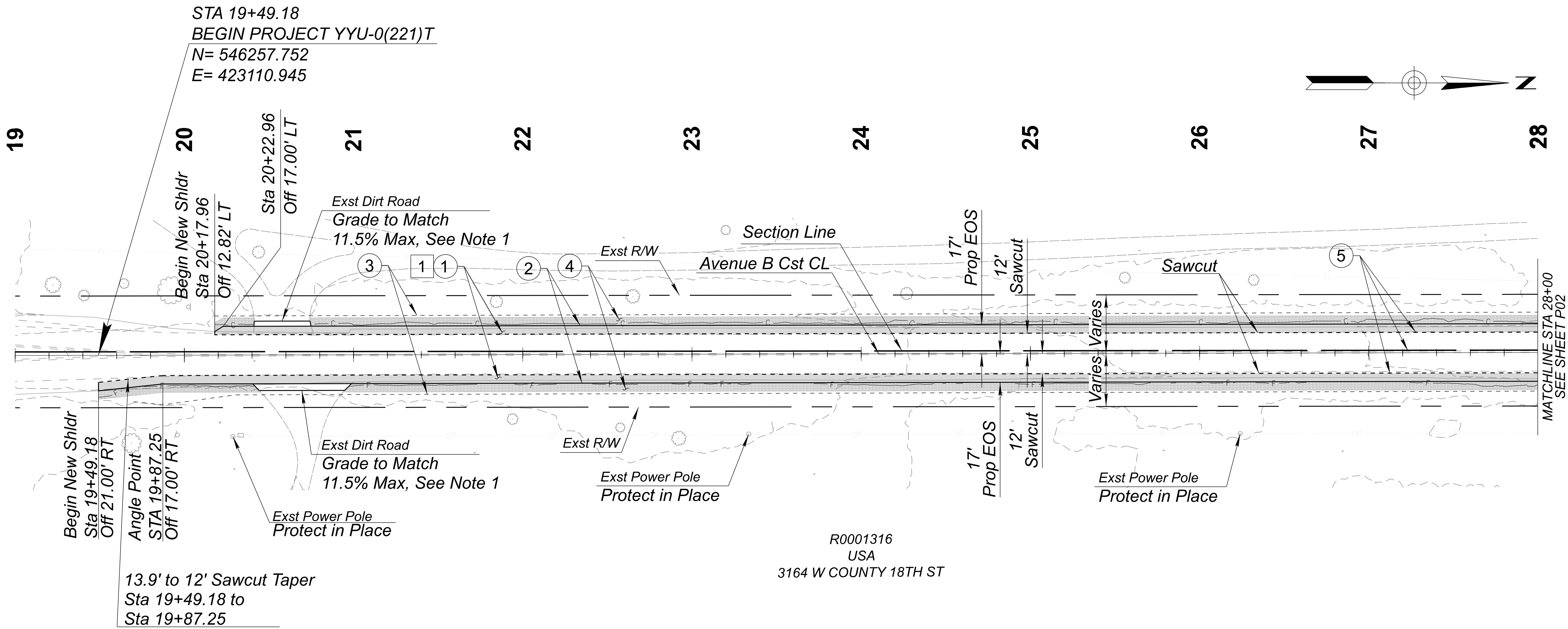
BENCHMARK POINT CONTROL

Primary Benchmark - Trace Point #101, Rebar with orange cap located approximately 280' South and 100' West of the intersection of W Count 19th Street and S Avenue B.
Elev. = 188.50 (NAVD88)
N:422899.91, E:566065.06

101



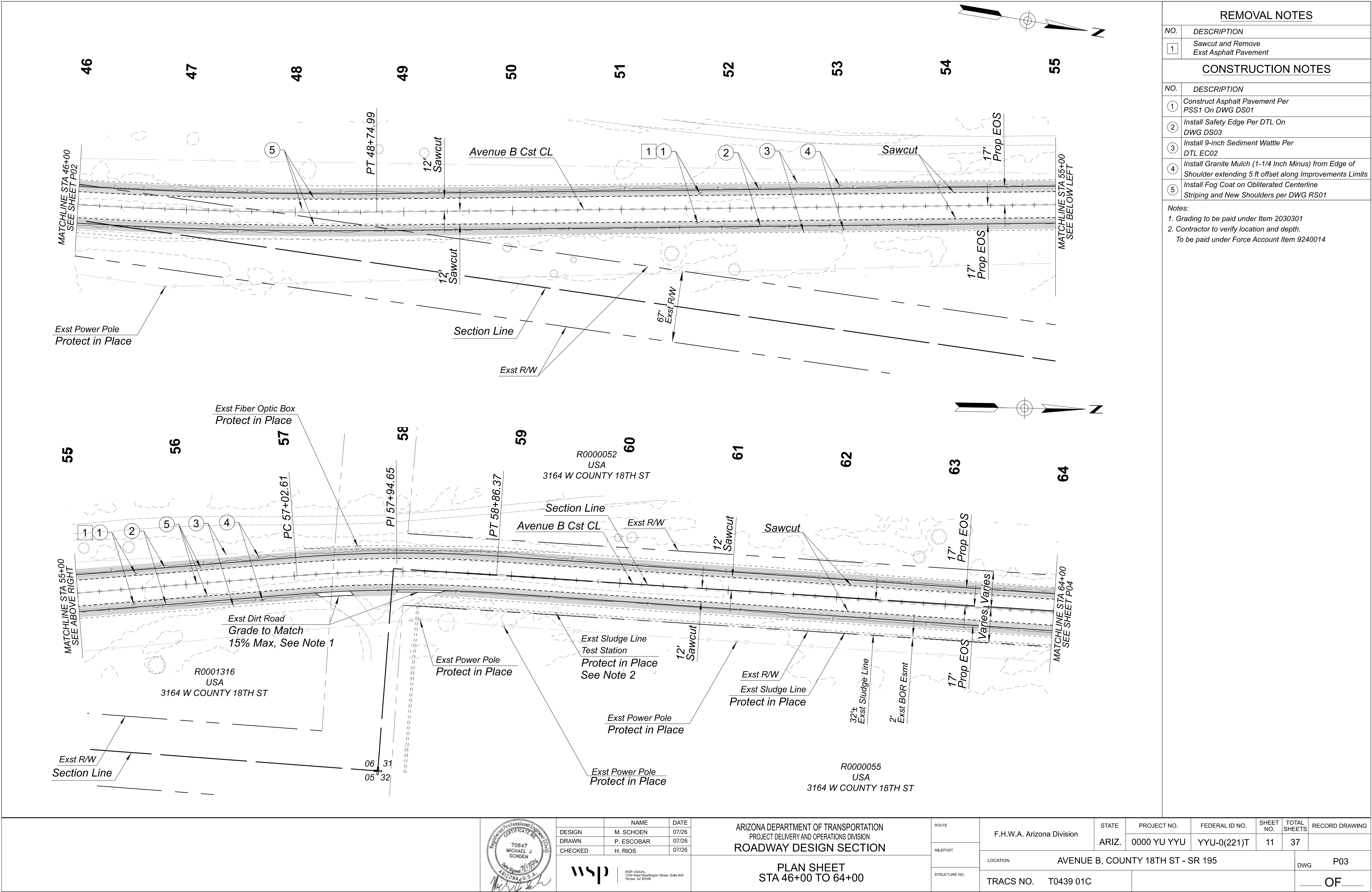
  WSP USA Inc. 1230 West Washington Street, Suite 600 Tempe, AZ 85288	DESIGN	M. SCHOEN	07/26	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SECTION	ROUTE	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. 0000 YU YYU	FEDERAL ID NO. YYU-0(221)T	SHEET NO. 7	TOTAL SHEETS 37	RECORD DRAWING				
	DRAWN	P. ESCOBAR	07/26		MILEPOST											
	CHECKED	H. RIOS	07/26		STRUCTURE NO.											
	GEOMETRIC CONTROL SHEETS			AVENUE B, COUNTY 18TH ST - SR 195		T0439 01C		DWG		GEO3						
										OF						



REMOVAL NOTES	
NO.	DESCRIPTION
1	Sawcut and Remove Exst Asphalt Pavement
CONSTRUCTION NOTES	
NO.	DESCRIPTION
1	Construct Asphalt Pavement Per PSS1 On DWG DS01
2	Install Safety Edge Per DTL On DWG DS03
3	Install 9-inch Sediment Wattle Per DTL EC02
4	Install Granite Mulch (1-1/4 Inch Minus) from Edge of Shoulder extending 5 ft offset along Improvements Limits
5	Install Fog Coat on Obliterated Centerline Striping and New Shoulders per DWG RS01

Notes:
1. To be paid under Item 2030301

	<table><tr><th></th><th>NAME</th><th>DATE</th></tr><tr><td>DESIGN</td><td>M. SCHOEN</td><td>07/26</td></tr><tr><td>DRAWN</td><td>P. ESCOBAR</td><td>07/26</td></tr><tr><td>CHECKED</td><td>H. RIOS</td><td>07/26</td></tr></table>		NAME	DATE	DESIGN	M. SCHOEN	07/26	DRAWN	P. ESCOBAR	07/26	CHECKED	H. RIOS	07/26	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SECTION	<table><tr><td>ROUTE</td><td rowspan="2">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>MILEPOST</td><td>ARIZ.</td><td>0000 YU YYU</td><td>YYU-0(221)T</td><td>9</td><td>37</td><td></td></tr><tr><td rowspan="2">STRUCTURE NO.</td><td colspan="6">LOCATION</td><td rowspan="2">DWG</td><td rowspan="2">P01</td></tr><tr><td colspan="6">TRACS NO. T0439 01C</td></tr></table>	ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING	MILEPOST	ARIZ.	0000 YU YYU	YYU-0(221)T	9	37		STRUCTURE NO.	LOCATION						DWG	P01	TRACS NO. T0439 01C					
		NAME	DATE																																										
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STRUCTURE NO.	LOCATION						DWG	P01																																					
	TRACS NO. T0439 01C																																												
 WSP USA Inc. 1230 West Washington Street, Suite 600 Tempe, AZ 85288	PLAN SHEET STA 19+49.18 TO 28+00																																												

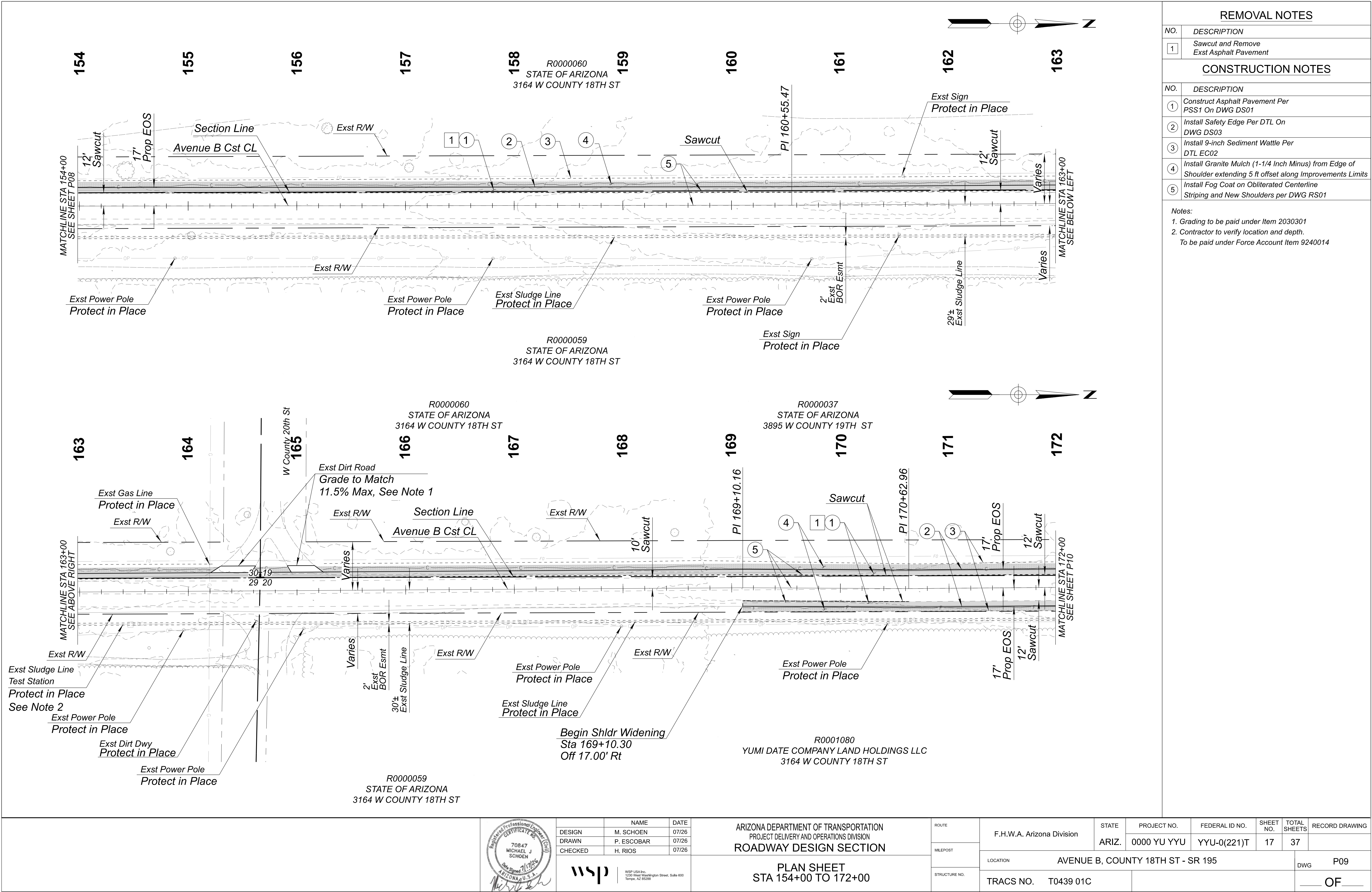


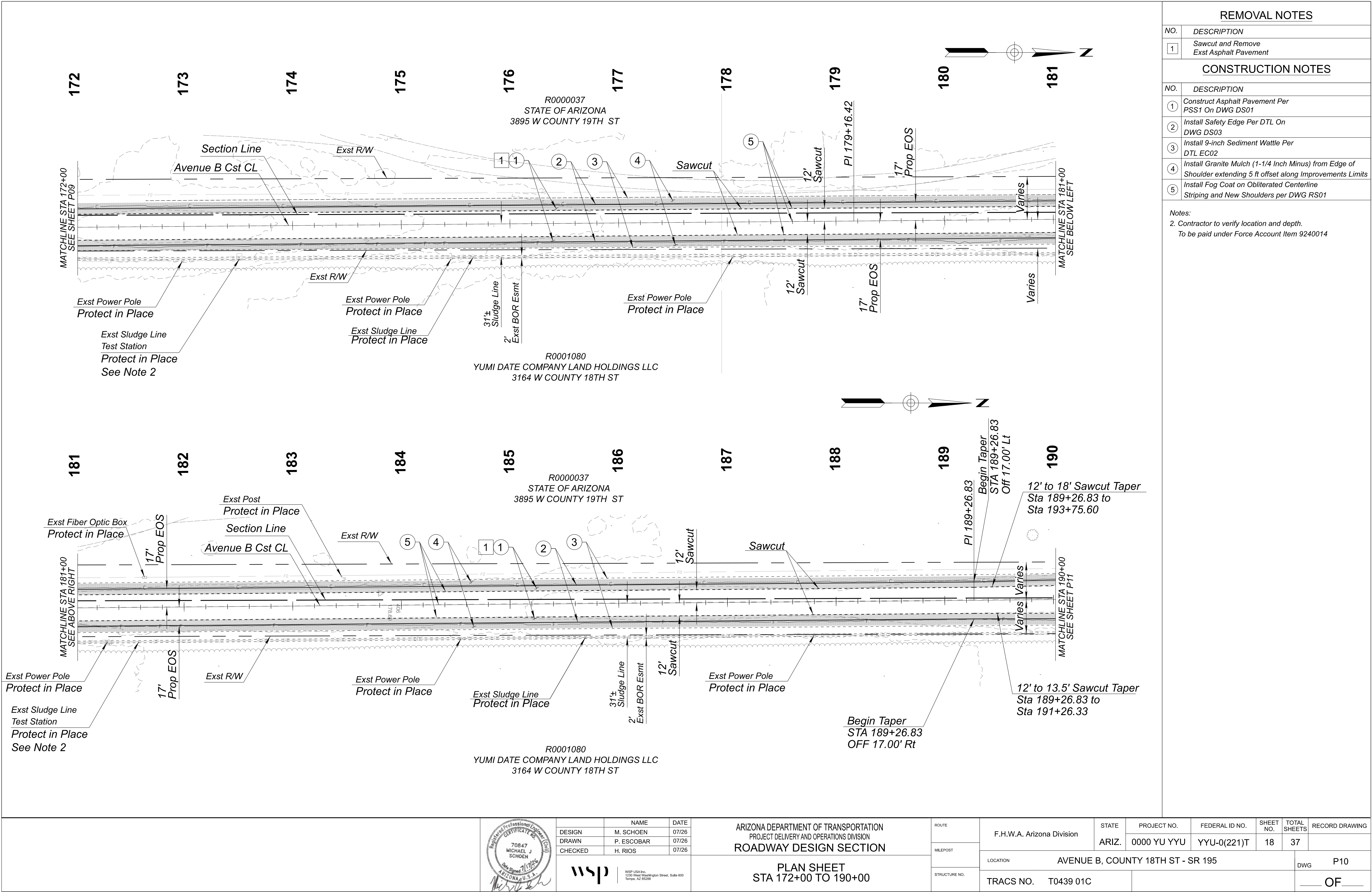
	NAME	DATE
DESIGN	M. SCHOEN	07/26
DRAWN	P. ESCOBAR	07/26
CHECKED	H. RIOS	07/26

wsp

WSP USA Inc.
1230 West Washington Street, Suite 600
Tempe, AZ 85288

ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SECTION	ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
PLAN SHEET STA 46+00 TO 64+00	MILEPOST	LOCATION	ARIZ.	0000 YU YYU	YYU-0(221)T	11	37	
	STRUCTURE NO.	TRACS NO.		T0439 01C				DWG P03 OF



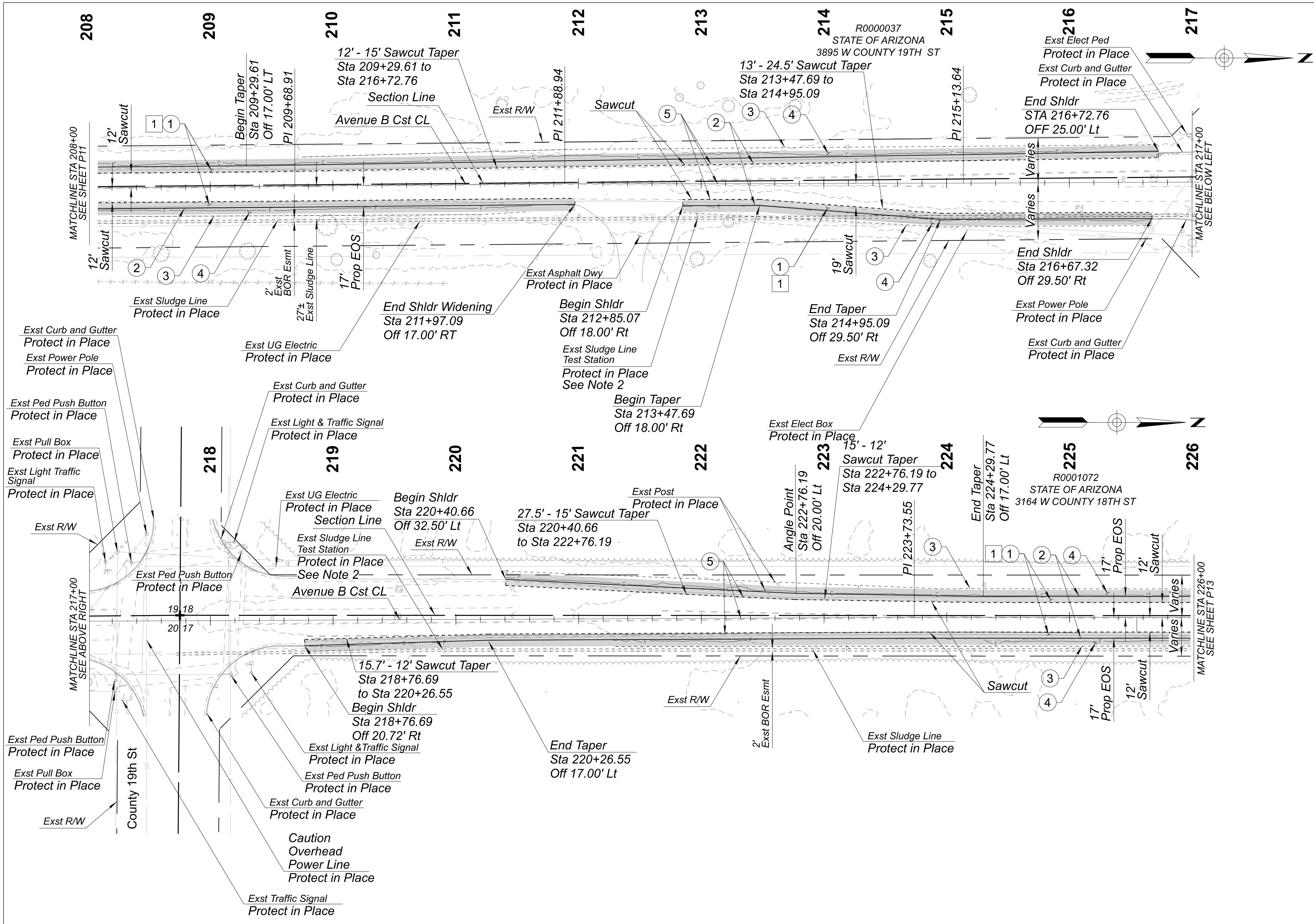


	NAME	DATE
DESIGN	M. SCHOEN	07/26
DRAWN	P. ESCOBAR	07/26
CHECKED	H. RIOS	07/26

wsp

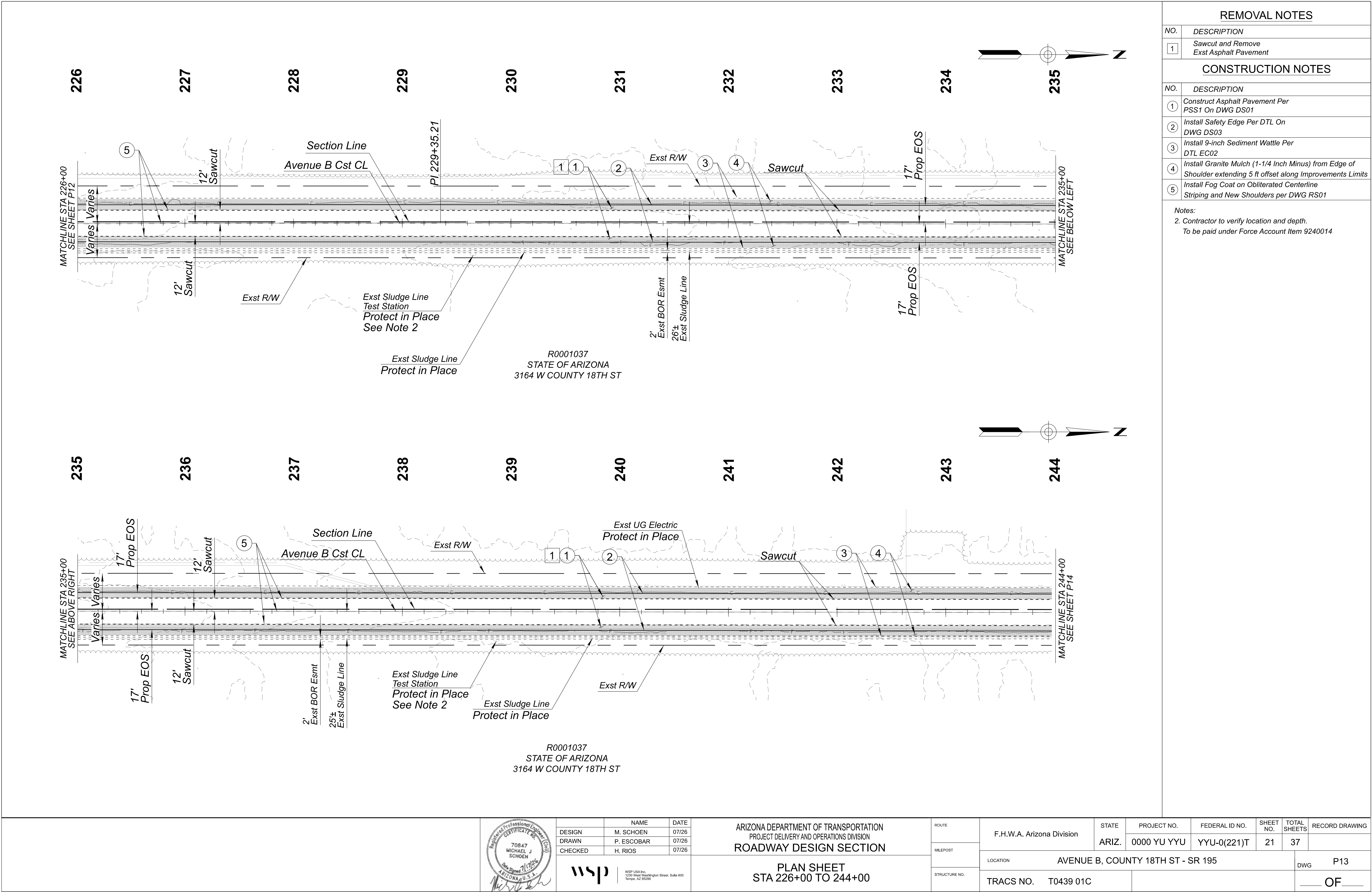
WSP USA Inc.
1230 West Washington Street, Suite 600
Tempe, AZ 85286

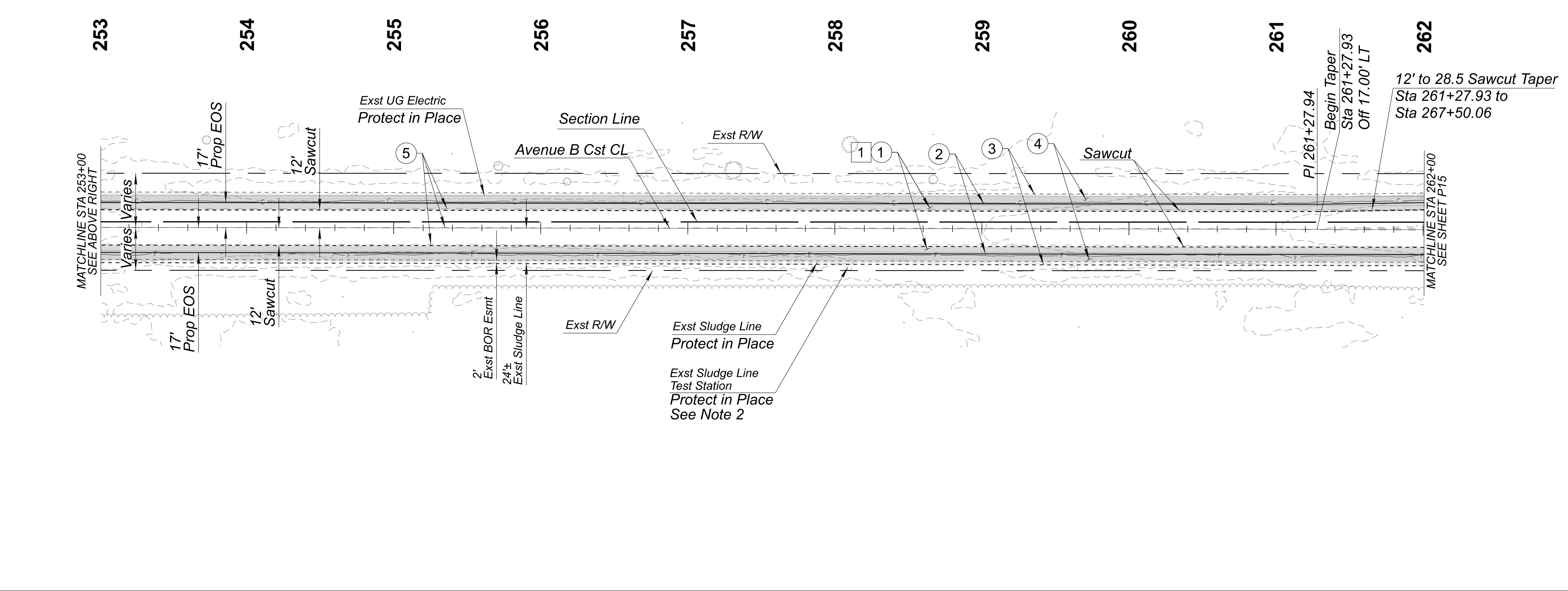
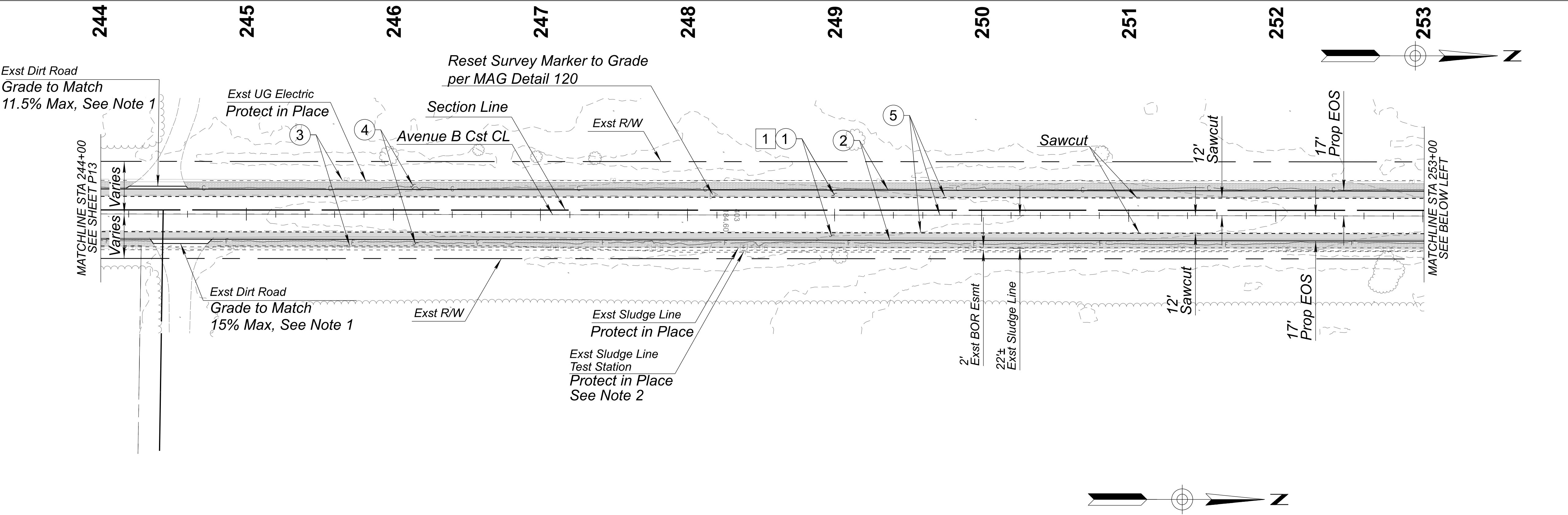
ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SECTION		ROUTE	F.H.W.A. Arizona Division		STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
PLAN SHEET STA 172+00 TO 190+00		MILEPOST	LOCATION		ARIZ.	0000 YU YYU	YYU-0(221)T	18	37	
		STRUCTURE NO.	TRACS NO. T0439 01C		AVENUE B, COUNTY 18TH ST - SR 195				DWG P10	
										OF



REMOVAL NOTES	
NO.	DESCRIPTION
1	Sawcut and Remove Exst Asphalt Pavement
CONSTRUCTION NOTES	
NO.	DESCRIPTION
1	Construct Asphalt Pavement Per PSS1 On DWG DS01
2	Install Safety Edge Per DTL On DWG DS03
3	Install 9-inch Sediment Wattle Per DTL EC02
4	Install Granite Mulch (1-1/4 Inch Minus) from Edge of Shoulder extending 5 ft offset along Improvements Limits
5	Install Fog Coat on Obliterated Centerline Striping and New Shoulders per DWG RS01
Notes: 2. Contractor to verify location and depth. To be paid under Force Account Item 9240014	

		WSP USA Inc. 1230 West Washington Street, Suite 600 Tempe, AZ 85286	NAME		DATE	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SECTION				ROUTE	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. 0000 YU YYU	FEDERAL ID NO. YYU-0(221)T	SHEET NO. 20	TOTAL SHEETS 37	RECORD DRAWING			
			DESIGN	M. SCHOEN	07/26															
			DRAWN	P. ESCOBAR	07/26															
			CHECKED	H. RIOS	07/26															
								PLAN SHEET STA 208+00 TO 226+00				MILEPOST	LOCATION AVENUE B, COUNTY 18TH ST - SR 195						DWG P12	
													TRACS NO. T0439 01C						OF	





REMOVAL NOTES	
NO.	DESCRIPTION
1	Sawcut and Remove Exst Asphalt Pavement
CONSTRUCTION NOTES	
NO.	DESCRIPTION
1	Construct Asphalt Pavement Per PSS1 On DWG DS01
2	Install Safety Edge Per DTL On DWG DS03
3	Install 9-inch Sediment Wattle Per DTL EC02
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5	Install Fog Coat on Obliterated Centerline Striping and New Shoulders per DWG RS01
Notes: 1. Grading to be paid under Item 2030301 2. Contractor to verify location and depth. To be paid under Force Account Item 9240014	

 	<table><tr><th>DESIGN</th><td>M. SCHOEN</td><td>07/26</td></tr><tr><th>DRAWN</th><td>P. ESCOBAR</td><td>07/26</td></tr><tr><th>CHECKED</th><td>H. RIOS</td><td>07/26</td></tr></table>	DESIGN	M. SCHOEN	07/26	DRAWN	P. ESCOBAR	07/26	CHECKED	H. RIOS	07/26	<table><tr><th>NAME</th><td>M. SCHOEN</td><th>DATE</th><td>07/26</td></tr></table>	NAME	M. SCHOEN	DATE	07/26	<table><tr><td colspan="2">ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SECTION</td></tr><tr><td colspan="2">PLAN SHEET STA 244+00 TO 262+00</td></tr></table>	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SECTION		PLAN SHEET STA 244+00 TO 262+00		<table><tr><th>ROUTE</th><td>F.H.W.A. Arizona Division</td></tr><tr><th>MILEPOST</th><td>LOCATION AVENUE B, COUNTY 18TH ST - SR 195</td></tr><tr><th>STRUCTURE NO.</th><td>TRACS NO. T0439 01C</td></tr></table>	ROUTE	F.H.W.A. Arizona Division	MILEPOST	LOCATION AVENUE B, COUNTY 18TH ST - SR 195	STRUCTURE NO.	TRACS NO. T0439 01C	<table><tr><th>STATE</th><td>ARIZ.</td><th>PROJECT NO.</th><td>0000 YU YYU</td><th>FEDERAL ID NO.</th><td>YYU-0(221)T</td><th>SHEET NO.</th><td>22</td><th>TOTAL SHEETS</th><td>37</td><th>RECORD DRAWING</th><td>DWG P14</td></tr><tr><td colspan="10"></td><td>OF</td></tr></table>	STATE	ARIZ.	PROJECT NO.	0000 YU YYU	FEDERAL ID NO.	YYU-0(221)T	SHEET NO.	22	TOTAL SHEETS	37	RECORD DRAWING	DWG P14											OF
	DESIGN	M. SCHOEN	07/26																																																
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	NAME	M. SCHOEN	DATE	07/26																																															
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										OF																																									

TRAFFIC CONTROL NOTES

1. 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.

2. The retroreflective sheeting on all construction signs shall meet criteria established in Section 1007 of ADOT Standard Specifications and in Section 380 of the ADOT Traffic Engineering Policies, Guidelines and Procedures.

3. All signs shown on the plans shall be mounted on spring stands. At the height recommended by the spring stand manufacturer.

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

5. Flags shall be mounted on top of all construction signs.

6. Type A flashing warning lights shall be required on all nighttime construction signs.

7. Type C steady-burning yellow lights shall be mounted on every barricade.

8. Channelizing devices shall be placed 40 feet on center in tapers and 80 feet on center in tangents, except as otherwise noted on plans.

9. Construction signs shall not be displayed to traffic more than 24 hours prior to the actual start of construction. These signs may be installed sooner but they must be covered or turned away from traffic. The cost for covering or turning them shall be considered part of the sign installation cost. No further compensation will be made. These signs shall be removed within 24 hours after the completion of construction activities.

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

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

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

13. Temporary Traffic Control signs shall not block or obstruct driveways or turnouts sight distance or line of sight.

14. If night work is approved by the Engineer, the contractor shall provide adequate portable lighting to perform the night work. No measurement or payment shall be made for furnishing portable lighting, the cost will be considered as included in the price of the contract bid items.
15. The contractor may substitute Type I barricades for Type II barricades as long as the reflective area on the top panel of each Type I barricades is equivalent or greater than the reflective area of a Type II barricade.

16. When traffic control devices are not in use, they shall be moved at least 30 feet from the roadway. Any sign which is not in use but which cannot be moved at least 30 feet from the edge of the roadway shall be covered, so the public cannot read the legend.

17. The contractor shall maintain two-way traffic on Avenue B at night, on weekends, on holidays, and as directed by the Engineer.

18. The contractor shall abide by the traffic control requirements contained in subsection 104.04-Maintenance of Traffic and the requirements of the Special Provisions.

19. All drawings are schematic only and not to scale.

20. 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 Standard Specifications. All traffic control plans are subject to the approval of the Engineer before beginning construction.

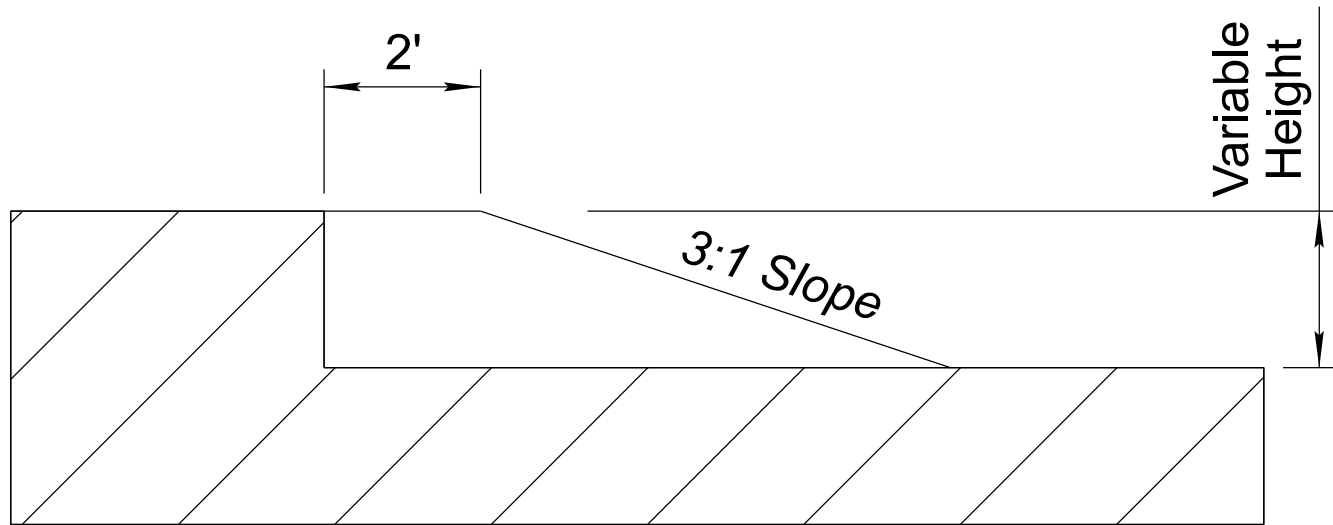
21. Adjustments to the details of these traffic control plans and requirements maybe necessary due to construction activities or as directed by the Engineer.

22. 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 temporary or permanent pavement markings. The roadway surface shall be dry.

23. 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.

24. The contractor shall place Changeable Message Boards one week prior to the start of construction activities and for the duration of the construction to alert traffic of the upcoming road restrictions. The message to be displayed shall be appropriate for each activity and shall be as approved by the Engineer. Cycle time and duration of the message on the changeable message board shall be clearly visible and legible from a distance of 800 feet under both day and night condition at operating speed. Each changeable message board shall consist of no more than two phrases and each phrase shall consist of no more than three lines of text per the Manual on Uniform Traffic Control Devices for Streets and Highways, 2023 edition and Arizona Supplement to the 2023 edition, dated January 2026. All Changeable Message Boards shall conform to Figure SA-15 of the ADOT Traffic Control Design Guidelines, 2025

NOTE:
This variable depth fillet Detail shall be used, when the height of the drop-off alongside the pavement is greater than 2 inches and the condition is present during non-working hours. The material used to build a fillet should be earthen material and/or aggregate base as directed by the Engineer. No measurement or direct payment will be provided for construction the fillet, the cost will be considered as included in the price of the contract bid items.



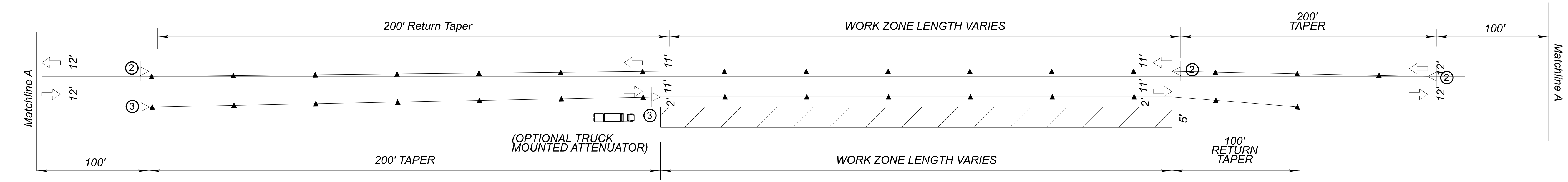
VARIABLE DEPTH FILLET DETAIL
Not To Scale

 <i>William Gil</i>	<table><tr><th></th><th>NAME</th><th>DATE</th></tr><tr><td>DESIGN</td><td>W. GIL</td><td>07/26</td></tr><tr><td>DRAWN</td><td>K. WINKSTERN</td><td>07/26</td></tr><tr><td>CHECKED</td><td>H. RIOS</td><td>07/26</td></tr></table>		NAME	DATE	DESIGN	W. GIL	07/26	DRAWN	K. WINKSTERN	07/26	CHECKED	H. RIOS	07/26	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION TRAFFIC DESIGN SECTION	ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
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			MILEPOST		ARIZ.	0000 YU YYU	YYU-0(221)T	24	37													
	 WSP USA Inc. 1230 West Washington Street, Suite 600 Tempe, AZ 85285	TRAFFIC CONTROL NOTES	STRUCTURE NO.	LOCATION AVENUE B, COUNTY 18TH ST - SR 195						DWG	MOT01											
			TRACS NO. T0439 01C						___ OF ___													

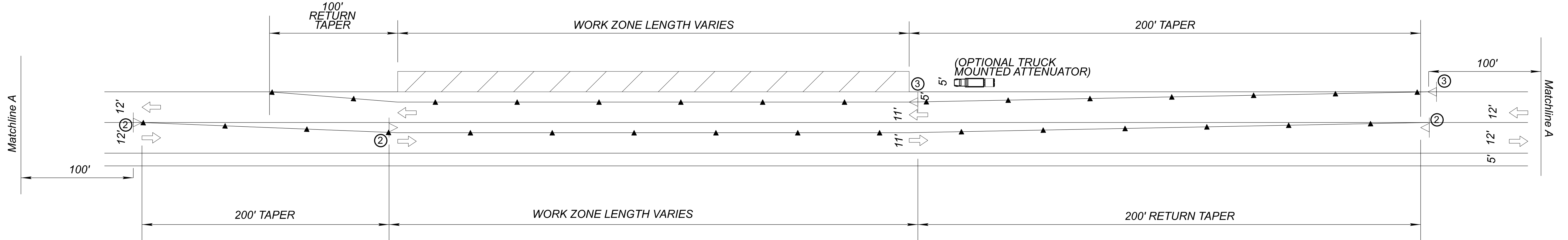
MAINTENANCE OF TRAFFIC FOR AVENUE B			
ACTIVITY NO.	CONSTRUCTION ACTIVITY	TRAFFIC CONTROL	COMMENTS
1	Install advance warning signs	Maintain all existing travel lanes	Place Advance Warning Signs and changeable message boards 7 days in advance of construction
2	Construct NB Shoulder Construct SB Shoulder	Maintain two-way traffic using Detail A: Shoulder Work with Minor Encroachment Northbound Maintain two-way traffic using Detail B: Shoulder Work with Minor Encroachment-Southbound	Travel lanes shall be a minimum of 11 feet wide The contractor shall maintain access to all driveways
3	Install NB edge line Rumble Strips and fog coat shoulders Install SB edge line Rumble Strips and fog coat shoulders	Maintain two-way traffic using Detail C: Rumble Strip Installation Lane Shifts	Travel lanes shall be a minimum of 11 feet wide
4	Obliterate Centerline striping. Fog coat pavement after obliteration Construct Centerline Rumble Strips	Maintain two-way traffic using MUTCD Typical Application 15	Travel lanes shall be a minimum of 11 feet wide.
5	Install Waterborne Pavement Markings	Maintain traffic per ADOT TCDG SA-19	
6	Install final thermoplastic pavement markings along centerline and edge lines	Maintain traffic per ADOT TCDG SA-3: One lane Closure of a Two-Way Roadway utilizing Pilot car	Final thermoplastic pavement markings are to be applied 30 days after Waterborne Pavement markings

Bid Item	Description	Unit	Activity						Total
	DURATION (C) = Calendar Days, (W) = Working Days		1 (C)	2 (W)	3 (W)	4 (W)	5 (W)	6 (W)	
	Days		14	90	8	2	3	3	
7015091	SPECIALTY SIGNS	SQ.FT.	0	64	0	0	0	0	64
7016030	BARRICADE (TYPE II, VERT. PANEL, TUBULAR MARKER)	EACH-DAY	280	27180	2400	495	0	574	30929
7016031	BARRICADE (TYPE III, HIGH LEVEL FLAG TREES)	EACH-DAY	0	0	0	4	0	0	4
7016033	PORTABLE SIGN STANDS (SPRING TYPE)	EACH-DAY	28	990	88	24	24	90	1244
7016035	WARNING LIGHTS (TYPE A)	EACH-DAY	28	990	88	24	24	90	1244
7016037	WARNING LIGHTS (TYPE C)	EACH-DAY	280	27180	2400	495	0	574	30929
7016050	TRUCK MOUNTED ATTENUATOR	EACH-DAY	0	0	0	0	3	0	3
7016051	TEMPORARY SIGN (LESS THAN 10 S.F.)	EACH-DAY	0	630	56	0	0	6	692
7016052	TEMPORARY SIGN (10 S.F. OR MORE)	EACH-DAY	28	360	32	12	12	42	486
7016061	FLASHING ARROW PANEL	EACH-DAY	0	0	0	4	6	6	16
7016067	CHANGEABLE MESSAGE BOARD (CONTRACTOR FURNISHED)	EACH-DAY	28	180	16	0	0	6	230
7016071	PILOT VEHICLE WITH DRIVER	HOUR	0	0	0	0	0	24	24
7016075	FLAGGING SERVICES (CIVILIAN)	HOUR	0	0	0	0	0	24	24
7016082	FLAGGING SERVICES (LOCAL ENFORCEMENT OFFICER)(WITH AGENCY VEHICLE) HOUR	HOUR	0	0	0	0	0	24	24
Note: Activity Duration listed here does not include Mobilization, Wait Period for Final Striping and Demobilization.									

	DESIGN	NAME	DATE	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION TRAFFIC DESIGN SECTION	ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	DRAWN	W. GIL	07/26									
	CHECKED	K. WINKSTERN	07/26									
	 WSP USA Inc. 1230 West Washington Street, Suite 600 Tempe, AZ 85288				MAINTENANCE OF TRAFFIC	MILEPOST	LOCATION	AVENUE B, COUNTY 18TH ST - SR 195	DWG	MOT02		
					STRUCTURE NO.	TRACS NO.	T0439 01C	____ OF ____				



DETAIL A: SHOULDER WORK WITH
MINOR ENCROACHMENT
NORTHBOUND



DETAIL B: SHOULDER WORK WITH
MINOR ENCROACHMENT
SOUTHBOUND

SYMBOL LEGEND:

	Sign on Spring Stand
	Vertical Panel (Plan/Elevation)
	Direction of Travel
	Changeable Message Board
	Work Zone
	Truck Mounted Attenuator

W21-5
48x48
①

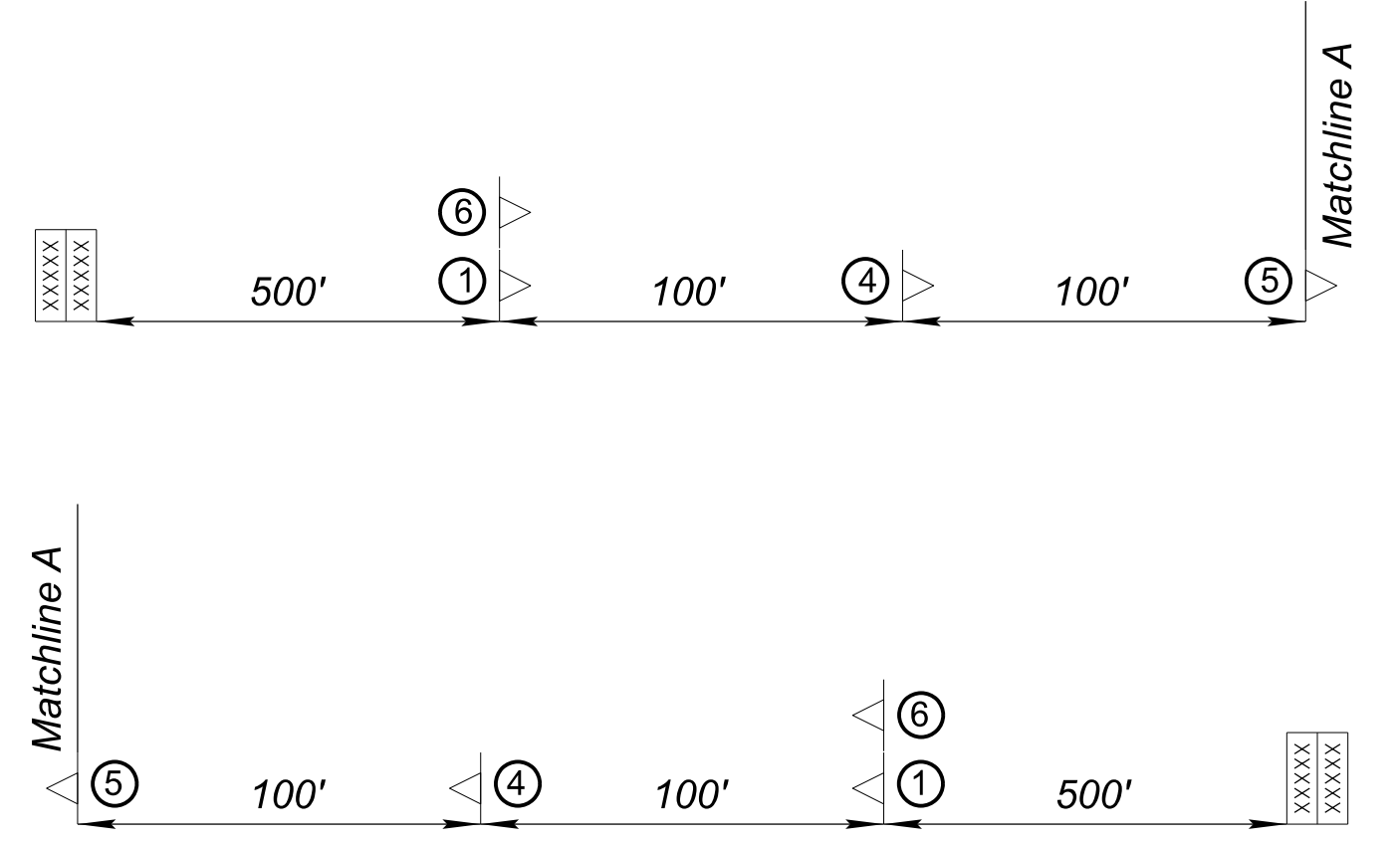
R4-7a
24x30
②

R4-8a
24x30
③

W3-5aAZ
48x48
④

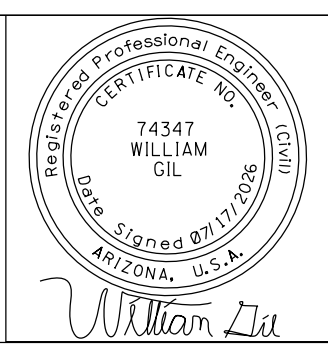
R2-1
24x30
⑤

DUST CONTROL
48x96
⑥



NOTES

- The contractor shall maintain 11' lanes at all times
- Panels shall be spaced at 40' on center on tapers, 80' on tangents

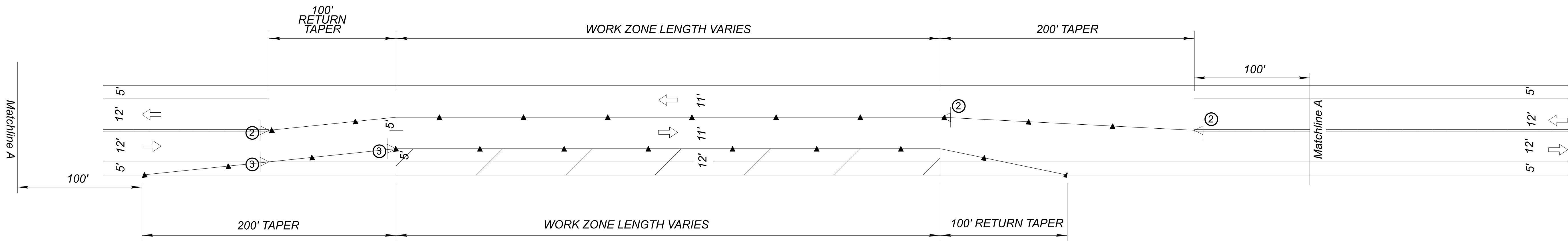


	NAME	DATE
DESIGN	W. GIL	07/26
DRAWN	K. WINKSTERN	07/26
CHECKED	H. RIOS	07/26

wsp
WSP USA Inc.
1230 West Washington Street, Suite 600
Tempe, AZ 85285

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TRAFFIC CONTROL DETAILS	MILEPOST	LOCATION AVENUE B, COUNTY 18TH ST - SR 195											
	STRUCTURE NO.	DWG MOT03											

TRACS NO.	T0439 01C	OF
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DETAIL C: RUMBLE STRIP
INSTALLATION LANE SHIFTS
(NORTHBOUND/SOUTHBOUND)

SYMBOL LEGEND:

	Sign on Spring Stand
	Vertical Panel (Plan/Elevation)
	Direction of Travel
	Changeable Message Board
	Work Zone

W21-5
48x48
①

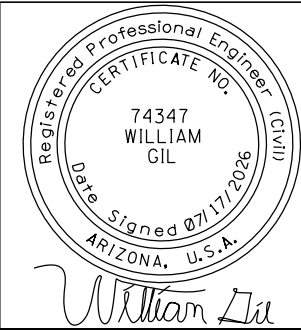
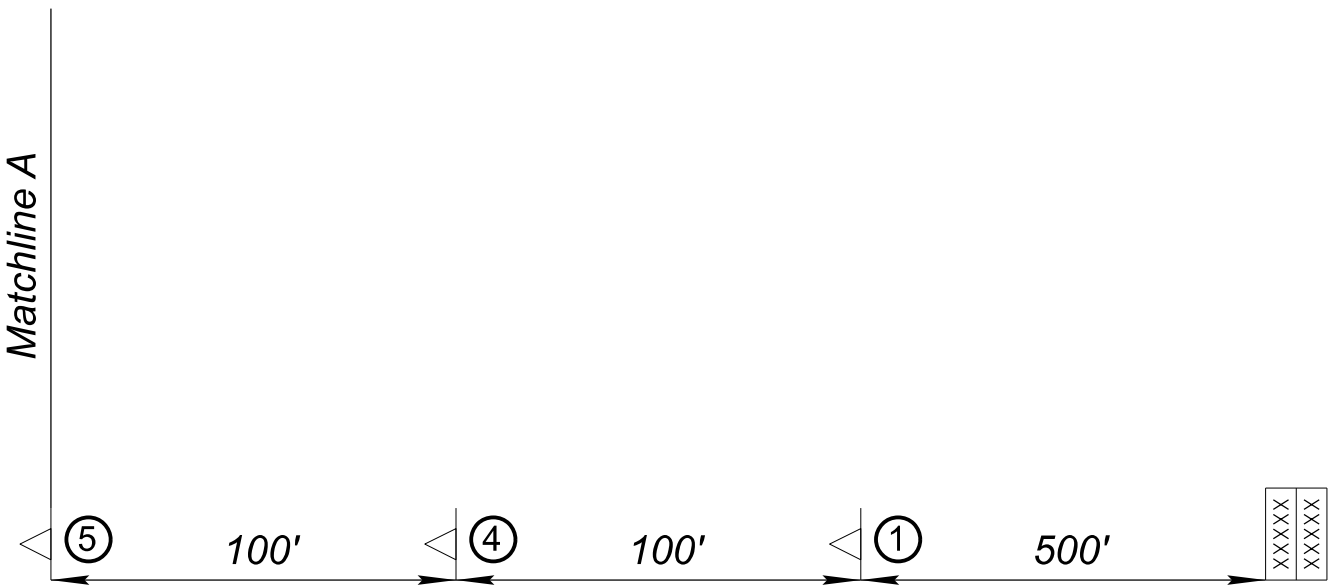
R4-7a
24x30
②

R4-8a
24x30
③

W3-5aAZ
48x48
④

R2-1
24x30
⑤

- NOTES
- The contractor shall maintain 11' minimum lanes at all times
 - Panels shall be spaced at 40' on center on tapers, 80' on tangents



	NAME	DATE
DESIGN	W. GIL	07/26
DRAWN	K. WINKSTERN	07/26
CHECKED	H. RIOS	07/26

wsp WSP USA Inc.
1230 West Washington Street, Suite 600
Tempe, AZ 85285

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

TRAFFIC CONTROL DETAILS

ROUTE	F.H.W.A. Arizona Division	STATE	ARIZ.	PROJECT NO.	0000 YU YYU	FEDERAL ID NO.	YYU-0(221)T	SHEET NO.	27	TOTAL SHEETS	37	RECORD DRAWING
MILEPOST	LOCATION AVENUE B, COUNTY 18TH ST - SR 195										DWG	MOT04
STRUCTURE NO.	TRACS NO. T0439 01C										____ OF ____	

PAVEMENT MARKING NOTES

1. Final striping shall be 90 mil (0.090 inches) thick alkyd extruded thermoplastic reflectorized striping placed over the existing striping, placed at a minimum of 30 calendar days after the initial striping. All other markings shall be applied at the same time.
2. 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 pavement markings. The roadway surface shall be dry and the air and pavement temperatures shall be a minimum of 55 degree F and rising for the placement of thermoplastic striping.
3. Single arrow, and “ONLY” legends shall be installed in accordance with ADOT Standard Drawings.
4. All pavement arrows shall be 90 mil (0.090 inch) thick, extruded thermoplastic reflectorized markings. All “ONLY” legends shall be white Type I preformed marking tape.
5. It is the contractor’s responsibility to ensure that the final surface course is placed so that the striping is offset one foot clear of any construction joint, unless otherwise directed by the Engineer.
6. 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.
7. The contractor shall break the center lines and edge lines adjacent to turnouts across any intersections with dedicated roadways or as otherwise directed by the Engineer. In addition, the contractor shall not place any center lines within 10 feet of the nearest edge of pavement of the intersecting roadway.
8. 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.

ITEM	DESCRIPTION	UNIT	QUANTITY
6070038	SLIP BASE	EACH	41
6070054	SIGN POST (PERFORATED)(2S)	L.FT.	47
6070055	SIGN POST (PERFORATED)(2 1/2S)	L.FT.	240
6070057	SIGN POST (PERFORATED)(2 1/2T)	L.FT.	232
6070060	FOUNDATION FOR SIGN POST (CONCRETE)	EACH	41
6080110	REMOVE AND REINSTALL SIGN	EACH	55
7015051	OBLITERATE PAVEMENT MARKING (ARROW, SYMBOL OR LEGEND)	EACH	22
7015052	OBLITERATE PAVEMENT MARKING (STRIPE) *	L.FT.	52,091
7040005	PAVEMENT MARKING (WHITE EXTRUDED THERMOPLASTIC) (0.090") *	L.FT.	78,402
7040006	PAVEMENT MARKING (YELLOW EXTRUDED THERMOPLASTIC) (0.090") *	L.FT.	44,592
7040074	PAVEMENT SYMBOL (EXTRUDED THERMOPLASTIC) (ALKYD) (0.090")	EACH	14
7042033	PRIMER-SEALER FOR THERMOPLASTIC STRIPING (EXISTING AC)	L.FT.	44,592
7050026	PAVEMENT MARKING, PREFORMED, LEGEND (ONLY), TYPE I	EACH	8
7080201	WATERBORNE-TYPE I PAVEMENT MARKING (PAINTED) (WHITE)	L.FT.	51,575
7080202	WATERBORNE-TYPE I PAVEMENT MARKING (PAINTED) (YELLOW)	L.FT.	29,728
9280034	GROUND-IN RUMBLE STRIP (6 INCH)	L.FT.	21,408
9280036	GROUND-IN RUMBLE STRIP (8 INCH)	L.FT.	35,216

*Quantities shown are 4-inch equivalents

SIGNING NOTES

1. All signs shall be in compliance with the Manual on Uniform Traffic Control Devices (MUTCD Signing and Marking Standard Drawings, and the ADOT Traffic Engineering Manual of Approved Signs.
2. 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 signs.
3. The bottom of each sign shall be at least 7 feet above the nearest edge of pavement and at least 7 feet above the ground under the sign.
4. Offsets for all signs shall be measured from the edge of the roadway to the nearest edge of the sign.
5. All new signs shall be fabricated of flat sheet aluminum as indicated in Section 608 of the Specifications.
6. The retroreflective sheeting on all new signs shall meet ADOT Standard Specifications
7. The retroreflective sheeting on all new signs shall meet criteria established in Section 1007 of the Standard Specifications and in Section 380 of ADOT's Traffic Policies, Guideline and Procedures
8. All new signs shall be installed on new square tube posts with foundations as indicated in ADOT Standard Drawings
9. The Engineer may modify the signing plans.
10. Shop drawings will be required.
11. The contractor shall remove existing signing where indicated in the sign summary.
12. The contractor shall inventory all signs to be removed or covered and note damaged signs to the Engineer at the time of covering or removal. All signs damaged by covering or removal shall be replaced by the contractor at the contractors expense.
13. The contractor shall preserve all roadway signs, sign supports, object markers, and milepost markers. The contractor shall replace any signs, sign supports or markers damaged as a result of the construction at the contractor’s expense.

	 WSP USA Inc. 1230 West Washington Street, Suite 600 Tempe, AZ 85288	NAME	DATE	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION TRAFFIC DESIGN SECTION	ROUTE	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
		DESIGN	W. GIL		07/26					28	37	
		DRAWN	K. WINKSTERN		07/26							
		CHECKED	H. RIOS	07/26	PAVEMENT MARKING AND SIGNING NOTES	MILEPOST	LOCATION	AVENUE B, COUNTY 18TH ST - SR 195	DWG	PM00		
					STRUCTURE NO.	TRACS NO.	T0439 01C					____ OF ____

Pavement Marking Locations Centerline					Pavement Marking Locations Centerline				
Avenue B					Avenue B				
Description	Begin Sta	End Sta	Length (LF)	4 " Equiv	Description	Begin Sta	End Sta	Length (LF)	4 " Equiv
Solid + Broken 10' Dash, 30' Gap (Yellow)	65+64	96+56	3,093	5799	Obliteration (6")	65+64	96+56	3,093	5,799
	185+22	189+22	399	749		185+22	189+22	399	749
	224+30	229+35	505	947		204+75	206+24	149	446
Double Yellow (6")	19+49	20+19	69	207		209+69	211+64	195	584
	19+49	20+19	69	207		224+30	229+35	505	947
	20+19	65+54	4,535	13606		19+49	20+19	69	207
	185+22	196+02	1,079	3238		19+49	20+19	69	207
	196+55	202+80	624	1873		20+19	65+54	4,535	13,606
	199+96	202+80	284	851		185+22	196+02	1,079	3,238
	202+80	204+75	196	588		196+55	202+80	624	1,873
	204+75	206+24	149	446		199+96	202+80	284	851
	206+24	209+69	345	1034		202+80	204+75	196	588
	209+69	211+64	195	584		206+24	209+69	345	1,034
	211+64	214+89	325	975		211+64	214+89	325	975
	211+64	216+73	509	1527		211+64	216+73	509	1,527
	218+80	224+30	550	1650		218+80	224+30	550	1,650
	221+63	224+30	267	801		221+63	224+30	267	801
	261+28	268+71	743	2230		261+28	268+71	743	2,230
	261+28	268+71	743	2230		261+28	268+71	743	2,230
	268+71	270+47	176	528		268+71	270+47	176	528
Broken 10' Dash, 30' Gap (Yellow 6")	96+56	185+22	8,866	3325		96+56	185+22	8,866	3,325
	229+35	261+28	3,193	1197		229+35	261+28	3,193	1,197

Pavement Marking Symbols/Legend			
Avenue B			
Description	Sta	Offset	Direction
Only	194+67	22 Rt	NB
	197+83	0 Lt	SB
	216+05	21 Rt	NB
	216+66	4 Lt	NB
	219+56	3 Lt	SB
	219+57	25 Lt	SB
	269+57	19 Rt	NB
	269+57	5 Lt	NB
Left Turn Arrow	196+80	3 Lt	SB
	199+04	2 Lt	SB
	216+41	0 Rt	NB
	216+96	0 Lt	NB
	218+53	5 Lt	SB
	220+49	6 Lt	SB
	268+73	3 Lt	NB
	270+44	3 Lt	NB
Right Turn Arrow	193+78	21 Rt	NB
	216+94	19 Rt	NB
	218+55	25 Lt	SB
	220+49	22 Lt	SB
	268+73	16 Rt	NB
	270+44	16 Rt	NB

Pavement Marking Locations SB Lane Line				
Avenue B				
Description	Begin Sta	End Sta	Length (LF)	4 " Equiv
Solid Stripe (8" White)	196+55	199+05	249	499
	14+80	16+83	202	405
	14+80	16+83	202	405
	14+80	16+83	202	405
	218+80	220+52	172	343
	218+80	220+52	172	343

Pavement Marking Locations NB Lane Line				
Avenue B				
Description	Begin Sta	End Sta	Length (LF)	4 " Equiv
Solid Stripe (8" White)	193+93	196+02	208.5	417
	215+14	216+73	159	318
	215+14	216+73	159	318
	268+71	270+47	176	352
	268+71	270+47	176	352

Pavement Marking Locations SB Lane Line				
Avenue B				
Description	Begin Sta	End Sta	Length (LF)	4 " Equiv
Obliteration (8")	196+55	199+05	249	499
	14+80	16+83	202	405
	14+80	16+83	202	405
	14+80	16+83	202	405
	218+80	220+52	172	343
	218+80	220+52	172	343

Pavement Marking Locations NB Lane Line				
Avenue B				
Description	Begin Sta	End Sta	Length (LF)	4 " Equiv
Obliteration (8")	193+93	196+02	208.5	417
	215+14	216+73	159	318
	215+14	216+73	159	318
	268+71	270+47	176	352
	268+71	270+47	176	352

Pavement Marking Locations NB Edge Line				
Avenue B				
Description	Begin Sta	End Sta	Length (LF)	4 " Equiv
Solid Stripe (6" White)	19+49	270+40	25,090	37636
Exceptions	216+73	218+80	208	312
	211+85	213+04	120	180
	196+02	196+83	81	122
				-

Pavement Marking Locations NB Edge Line				
Avenue B				
Description	Begin Sta	End Sta	Length (LF)	4 " Equiv
Obliteration (6")	153+47	169+10	1,563	2345
	191+26	191+68	42	63
	192+73	196+02	329	494
	218+80	220+27	147	221

Pavement Marking Locations SB Edge Line				
Avenue B				
Description	Begin Sta	End Sta	Length (LF)	4 " Equiv
Solid Stripe (6" White)	20+18	270+40	25,022	37533
Exceptions	216+73	218+80	208	312

Pavement Marking Locations SB Edge Line				
Avenue B				
Description	Begin Sta	End Sta	Length (LF)	4 " Equiv
Obliteration (6")	218+80	220+27	147	221

	DESIGN	NAME	DATE	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION TRAFFIC DESIGN SECTION	ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING	
	DRAWN	K. WINKSTERN	07/26		MILEPOST		ARIZ.	0000 YU YYU	YYU-0(221)T	29	37		
	CHECKED	H. RIOS	07/26		STRUCTURE NO.								
	 WSP USA Inc. 1230 West Washington Street, Suite 600 Tempe, AZ 85288				PAVEMENT MARKING SUMMARY TABLES		AVENUE B, COUNTY 18TH ST - SR 195					DWG PM01	
TRACS NO. T0439 01C							____ OF ____						

Plan Sht No.	Sign Number	MOAS Sign Code	Work							Offset (ft)	Mounting Height (ft)	Background Color	Panel					Ground Mounted							Overhead		Remarks
			New	Existing					Foundations									Post			Stringer		Structure Type	Number of Lights			
				Replace Panel	Relocate Panel	Modify Legend	Remove	To Remain					Type	Total length (ft)	New Slipbases	Type	Total length (ft)										
																		Legend	Width (in)	Height (in)	Area (sq. ft)	Type			Bid Item Number	Type	
NB		R3-5R						X			WH	Right Turn Arrow ONLY	30	36	7.5	RWM											
NB	+	R3-5fP						X			WH	RIGHT LANE	30	12	2.5	RWM											
NB		M3-3						X			WH	SOUTH	24	12	2.0	RWM											
NB	+	M1-5B(195)						X			WH	ARIZONA 195	30	24	5.0	RWM											
NB	+	M6-3						X			WH	Directional Arrow (Straight)	24	18	3.0	RWM											
NB	+	M3-1						X			WH	NORTH	24	12	2.0	RWM											
NB	+	M1-5B(195)						X			WH	ARIZONA 195	30	24	5.0	RWM											
NB	+	M6-1(R)						X			WH	Directional Arrow (Right)	24	18	3.0	RWM											
NB	+	M4-5						X			BL	TO	24	12	2.0	RWM											
NB	+	M1-1(08)						X			BL	INTERSTATE 08	24	24	4.0	RWM											
NB	+	M6-1(R)						X			BL	Directional Arrow (Right)	24	18	3.0	RWM											
NB		R3-2						X			WH	No Left Turn Symbol	24	24	4.0	RWM											
NB		R1-1						X			RD	STOP	30	30	6.3	RWM											
NB	+	R1-3P						X			RD	ALL WAY	18	6	0.8	RWM											
NB		R6-1L						X			BK	ONE WAY (Left)	36	12	3.0	RWM											
NB	+	R6-1R						X			BK	ONE WAY (Right)	36	12	3.0	RWM											
NB	STA 10+30	R6-1L						X			BK	ONE WAY (Left)	36	12	3.0	RWM											
NB	+	R6-1R						X			BK	ONE WAY (Right)	36	12	3.0	RWM											
NB	+	M1-5b						X			WH	SR 195	30	24	5.0	RWM											
NB	STA 10+79	M3-3						X			WH	SOUTH	24	12	2.0	RWM											
NB	+	M1-5B(195)						X			WH	ARIZONA 195	30	24	5.0	RWM											
NB	+	M5-1						X			WH	Left Hook Arrow	21	15	2.2	RWM											
NB	STA 13+14	R1-1						X			RD	STOP	30	30	6.3	RWM											
NB	+	R1-3P						X			RD	ALL WAY	18	6	0.8	RWM											
NB	STA 14+17	R6-1L			X				12	5	BK	ONE WAY (Left)	36	12	3.0	RWM	6080110	1	2 1/2S	10	1						
NB	+	R6-1R			X						BK	ONE WAY (Right)	36	12	3.0	RWM	6080110										
NB	STA 17+45	R2-1(50)			X				12	7	WH	SPEED LIMIT 50	24	30	5.0	RWM	6080110	1	2 1/2S	12	1						
NB	STA 37+61	W1-4L			X				12	7	YL	Left Reverse Curve Symbol	30	30	6.3	RWM	6080110	1	2 1/2S	12	1						
NB	STA 178+15	R2-1(50)			X				12	7	WH	SPEED LIMIT 50	24	30	5.0	RWM	6080110	1	2 1/2S	12	1						

Notes:
1. The Engineer shall verify post lengths and elevations.
2. The Engineer may shift a sign in order to achieve a more desirable location.
3. Quantities are approximate and for the contractor's information only.

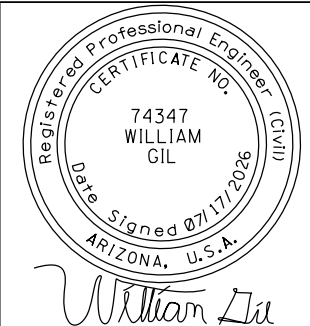
Background Color Legend:
BL - Blue; GR - Green; TQ - Turquoise; YL - Yellow; BR - Brown;
RD - Red; WH - White;

Panel Types:
RWM: Regulatory, Warning, or Marker
F-DA: Flat-sheet aluminum
F-Dem: Flat-sheet aluminum with demountable characters
Ext: Aluminum extrusions
Incr: Aluminum sheet increment
Over: Overhead (New overlaid extrusions)

* All retroreflective sheeting shall be Type IX and XI per ASTM D4956. Yellow sign shall have fluorescent sheeting.

Stringer Types: P: Square-tube post T: T-section (WT 3x6)
Post Types: S: Single perforated T: Telescoping perforated

Panel Width & Height:
E: Existing



	NAME	DATE
DESIGN	W. GIL	07/26
DRAWN	K. WINKSTERN	07/26
CHECKED	H. RIOS	07/26

wsp
WSP USA Inc.
1230 West Washington Street, Suite 600
Tempe, AZ 85288

ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION TRAFFIC DESIGN SECTION				ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SIGN SUMMARY				MILEPOST		ARIZ.	0000 YU YYU	YYU-0(221)T	30	37	
				STRUCTURE NO.	LOCATION AVENUE B, COUNTY 18TH ST - SR 195						DWG SGN01
					TRACS NO. T0439 01C						____ OF ____

Plan Sht No.	Sign Number	MOAS Sign Code	New	Work					Offset (ft)	Mounting Height (ft)	Background Color	Panel					Ground Mounted					Overhead		Remarks		
				Replace Panel	Relocate Panel	Modify Legend	Remove	To Remain				Legend	Width (in)	Height (in)	Area (sq. ft)	Type	Bid Item Number	Foundations	Post		New Slipbases	Stringer			Structure Type	Number of Lights
																			Type	Total length (ft)		Type	Total length (ft)			
NB	STA 212+01	W3-3			X				12	7	YL	Signal Ahead Symbol	36	36	9.0	RWM	6080110	1	2 1/2T	13	1					
NB	STA 213+31	R3-6LSRAZ			X				12	7	WH	Left/Straight/Right Arrow	30	36	7.5	RWM	6080110	1	2 1/2S	13	1					
NB	STA 216+92	R3-7R			X				12	7	WH	RIGHT LANE MUST TURN RIGHT	30	30	6.3	RWM	6080110	1	2 1/2S	12	1					
NB	STA 218+16	D3-1			X				12	7	GR	CO. 19TH STREET	10	18	1.3	F-DA	6080110	1	2S	12	1					
NB	STA 223+18	R2-1(50)			X				12	7	WH	SPEED LIMIT 50	24	30	5.0	RWM	6080110	1	2 1/2S	12	1					
NB	STA 265+19	W2-1			X				12	7	YL	Cross Road Symbol	30	30	6.3	RWM	6080110	1	2 1/2T	11	1					
NB	+	D3-1			X						GR	CO 18TH ST	10	18	1.3	F-DA	6080110									
NB	STA 266+48	W3-5			X				12	7	YL	REDUCED SPEED LIMIT AHEAD	36	36	9.0	RWM	6080110	1	2 1/2T	13	1					
NB	STA 268+72	R3-5R			X				12	7	WH	Right Turn Arrow ONLY	30	36	7.5	RWM	6080110	1	2 1/2T	14	1					
NB	+	R3-5fP			X						WH	RIGHT LANE	30	12	2.5	RWM	6080110									
NB	STA 270+41	R3-5R			X				12	7	WH	Right Turn Arrow ONLY	30	36	7.5	RWM	6080110	1	2 1/2T	14	1					
NB	+	R3-5fP			X						WH	RIGHT LANE	30	12	2.5	RWM	6080110									
NB	STA 273+74	R2-1(50)			X				12	7	WH	SPEED LIMIT 50	24	30	5.0	RWM	6080110	1	2 1/2S	12	1					
SB	STA 273+48	R3-5R			X				12	7	WH	Right Turn Arrow ONLY	30	36	7.5	RWM	6080110	1	2 1/2T	14	1					
SB	+	R3-5fP			X						WH	RIGHT LANE	30	12	2.5	RWM	6080110									
SB	STA 271+85	R3-5R			X				12	7	WH	Right Turn Arrow ONLY	30	36	7.5	RWM	6080110	1	2 1/2T	14	1					
SB	+	R3-5fP			X						WH	RIGHT LANE	30	12	2.5	RWM	6080110									
SB	STA 268+98	R2-1(50)			X				12	7	WH	SPEED LIMIT 50	24	30	5.0	RWM	6080110	1	2 1/2S	12	1					
SB	STA 224+31	W3-3			X				12	7	YL	Signal Ahead Symbol	36	36	9.0	RWM	6080110	1	2 1/2T	13	1					
SB	STA 220+41	R3-6LSRAZ			X				12	7	WH	Left/Straight/Right Arrow	30	36	7.5	RWM	6080110	1	2 1/2S	13	1					
SB	STA 218+65	R3-7R			X				12	7	WH	RIGHT LANE MUST TURN RIGHT	30	30	6.3	RWM	6080110	1	2 1/2S	12	1					
SB	STA 217+15	D3-1			X				12	7	GR	CO. 19TH STREET	10	18	1.3	F-DA	6080110	1	2S	10	1					

Notes:
1. The Engineer shall verify post lengths and elevations.
2. The Engineer may shift a sign in order to achieve a more desirable location.
3. Quantities are approximate and for the contractor's information only.

Background Color Legend:
BL - Blue; GR - Green; TQ - Turquoise; YL - Yellow; BR - Brown;
RD - Red; WH - White;

Panel Types:
RWM: Regulatory, Warning, or Marker
F-DA: Flat-sheet aluminum
F-Dem: Flat-sheet aluminum with demountable characters
Ext: Aluminum extrusions
Incr: Aluminum sheet increment
Over: Overhead (New overlaid extrusions)

* All retroreflective sheeting shall be Type IX and XI per ASTM D4956. Yellow sign shall have fluorescent sheeting.

Stringer Types: P: Square-tube post T: T-section (WT 3x6)
Post Types: S: Single perforated T: Telescoping perforated

Panel Width & Height:
E: Existing



	NAME	DATE
DESIGN	W. GIL	07/26
DRAWN	K. WINKSTERN	07/26
CHECKED	H. RIOS	07/26

wsp
WSP USA Inc.
1230 West Washington Street, Suite 600
Tempe, AZ 85288

ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION TRAFFIC DESIGN SECTION				ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SIGN SUMMARY				MILEPOST		ARIZ.	0000 YU YYU	YYU-0(221)T	31	37	
				STRUCTURE NO.	AVENUE B, COUNTY 18TH ST - SR 195						DWG SGN02
					TRACS NO. T0439 01C						____ OF ____

Plan Sht No.	Sign Number	MOAS Sign Code	New	Work					Offset (ft)	Mounting Height (ft)	Background Color	Panel					Ground Mounted						Overhead		Remarks
				Replace Panel	Existing												Foundations	Post		Stringer		Structure Type	Number of Lights		
					Relocate Panel	Modify Legend	Remove	To Remain				Type	Total length (ft)	New Slipbases	Type	Total length (ft)									
SB	STA 214+19	R2-1(50)			X			12	7	WH	SPEED LIMIT 50	24	30	5.0	RWM	6080110	1	2 1/2S	12	1					
SB	STA 178+14	R2-1(50)			X			12	7	WH	SPEED LIMIT 50	24	30	5.0	RWM	6080110	1	2 1/2S	12	1					
SB	STA 111+34	D3-1			X			12	7	GR	CO 21ST ST	10	18	1.3	F-DA	6080110	1	2 1/2T	12	1				Align D3-1 Parallel to Corresponding Street	
SB	+	D3-1			X					GR	AVE B	10	18	1.3	F-DA	6080110								Align D3-1 Parallel to Corresponding Street	
SB	+	R1-1			X					RD	STOP	30	30	6.3	RWM	6080110									
SB	STA 104+79	OM-4			X					RD	Type 4 Object Marker					6080110									
SB	STA 104+59	Custom			X			12	7	#N/A	SAN LUIS CITY LIMITS	48	48	16.0	F-DA	6080110	2	2 1/2T	27	2					
SB	STA 101+46	R2-1(50)			X			12	7	WH	SPEED LIMIT 50	24	30	5.0	RWM	6080110	1	2 1/2S	12	1					
SB	STA 65+91	W1-4L			X			12	7	YL	Left Reverse Curve Symbol	30	30	6.3	RWM	6080110	1	2 1/2S	12	1					
SB	STA 39+56	Custom			X			12	7	WH	STATE PRISON	60	48	20.0	RWM	6080110	2	2 1/2T	27	2					
SB	STA 37+61	W14-3			X			12	7	YL	NO PASSING ZONE	48	36	6.0	RWM	6080110	2	2 1/2S	25	2					
SB	STA 20+04	M2-1			X			12	7	WH	JCT	21	15	2.2	RWM	6080110	1	2S	13	1					
SB	+	M1-5B(195)			X					WH	ARIZONA 195	30	24	5.0	RWM	6080110									
SB	STA 18+07	D1-1			X			12	7	GR	SAN LUIS 6, MEXICO 9	84	30	17.5	F-DA	6080110	2	2 1/2T	24	2					
SB	STA 16+77	R3-8RRAZ			X			12	7	WH	Double Right Turn Only	30	30	6.3	RWM	6080110	1	2 1/2S	12	1					
SB	STA 15+66	M3-3			X			12	7	WH	SOUTH	24	12	2.0	RWM	6080110	1	2 1/2T	18	1					
SB	+	M1-5B(195)			X					WH	ARIZONA 195	30	24	5.0	RWM	6080110									
SB	+	M6-3			X					WH	Directional Arrow (Straight)	24	18	3.0	RWM	6080110									
SB	STA 16+76	M3-1			X			12	7	WH	NORTH	24	12	2.0	RWM	6080110	1	2 1/2T	18	1					
SB	+	M1-5B(195)			X					WH	ARIZONA 195	30	24	5.0	RWM	6080110									
SB	+	M4-5			X					BL	TO	24	12	2.0	RWM	6080110									
SB	+	M1-1(08)			X					BL	INTERSTATE 08	24	24	4.0	RWM	6080110									
SB	+	M6-3			X					BL	Directional Arrow (Straight)	24	18	3.0	RWM	6080110									
SB	STA 14+82	R3-2			X			12	7	WH	No Left Turn Symbol	24	24	4.0	RWM	6080110	1	2S	12	1					
SB	STA 14+77	R1-1			X			12	7	RD	STOP	30	30	6.3	RWM	6080110	1	2 1/2S	13	1					
SB	+	R1-3P			X					RD	ALL WAY	18	6	0.8	RWM	6080110									

Notes:
1. The Engineer shall verify post lengths and elevations.
2. The Engineer may shift a sign in order to achieve a more desirable location.
3. Quantities are approximate and for the contractor's information only.

Background Color Legend:
BL - Blue; GR - Green; TQ - Turquoise; YL - Yellow; BR - Brown;
RD - Red; WH - White;

Panel Types:
RWM: Regulatory, Warning, or Marker
F-DA: Flat-sheet aluminum
F-Dem: Flat-sheet aluminum with demountable characters
Ext: Aluminum extrusions
Incr: Aluminum sheet increment
Over: Overhead (New overlaid extrusions)

* All retroreflective sheeting shall be Type IX and XI per ASTM D4956. Yellow sign shall have fluorescent sheeting.

Stringer Types: P: Square-tube post T: T-section (WT 3x6)
Post Types: S: Single perforated T: Telescoping perforated

Panel Width & Height:
E: Existing



DESIGN	NAME	DATE
DRAWN	W. GIL	07/26
CHECKED	K. WINKSTERN	07/26
	H. RIOS	07/26

wsp
WSP USA Inc.
1230 West Washington Street, Suite 600
Tempe, AZ 85288

ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION TRAFFIC DESIGN SECTION	
SIGN SUMMARY	

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
MILEPOST		ARIZ.	0000 YU YYU	YYU-0(221)T	32	37	
STRUCTURE NO.	LOCATION AVENUE B, COUNTY 18TH ST - SR 195					DWG	SGN03
TRACS NO. T0439 01C					____ OF ____		

Plan Sht No.	Sign Number	MOAS Sign Code	New	Work					Offset (ft)	Mounting Height (ft)	Background Color	Panel					Ground Mounted						Overhead		Remarks	
				Replace Panel	Existing			To Remain									Foundations	Post		Stringer		Structure Type	Number of Lights			
					Relocate Panel	Modify Legend	Remove					Type	Total length (ft)	New Slipbases	Type	Total length (ft)										
												Legend	Width (in)	Height (in)	Area (sq. ft)	Type	Bid Item Number		Type	Total length (ft)		Type	Total length (ft)			
	SB	STA 14+40			X			12	5	BK		ONE WAY (Left)	36	12	3.0	RWM	6080110	1	2 1/2S	10	1					
	SB	+			X					BK		ONE WAY (Right)	36	12	3.0	RWM	6080110									
	SB	STA 13+33						X		WH		SR 195	30	24	5.0	RWM										
	SB	+						X		BK		ONE WAY (Left)	36	12	3.0	RWM										
	SB	+						X		BK		ONE WAY (Right)	36	12	3.0	RWM										
	SB	STA 13+21						X		GR		SAN LUIS 6, MEXICO 9	84	30	17.5	F-DA										
	SB	STA 12+67						X		WH		NORTH	24	12	2.0	RWM										
	SB	+						X		WH		ARIZONA 195	30	24	5.0	RWM										
	SB	+						X		BL		TO	24	12	2.0	RWM										
	SB	+						X		BL		INTERSTATE 08	24	24	4.0	RWM										
	SB	+						X		BL		Directional Arrow (Left)	24	18	3.0	RWM										
	SB	STA 11+21						X		WH		No Right Turn Symbol	24	24	4.0	RWM										
	SB	STA 10+56						X		RD		STOP	30	30	6.3	RWM										
	SB	+						X		RD		ALL WAY	18	6	0.8	RWM										
	SB	STA 10+53						X		BK		ONE WAY (Left)	36	12	3.0	RWM										
	SB	+						X		BK		ONE WAY (Right)	36	12	3.0	RWM										
	SB							X		GR		STREET NAME	10	18	1.3	F-DA										
	SB	+						X		BK		ONE WAY (Left)	36	12	3.0	RWM										
	SB	+						X		BK		ONE WAY (Right)	36	12	3.0	RWM										
	SB							X		WH		DO NOT ENTER	30	30	6.3	RWM										
	SB	+						X		RD		WRONG WAY	36	24	6.0	RWM										
	SB							X		GR		STREET NAME	10	18	1.3	F-DA										
	SB	+						X		BK		ONE WAY (Left)	36	12	3.0	RWM										
	SB	+						X		BK		ONE WAY (Right)	36	12	3.0	RWM										

Notes:
1. The Engineer shall verify post lengths and elevations.
2. The Engineer may shift a sign in order to achieve a more desirable location.
3. Quantities are approximate and for the contractor's information only.

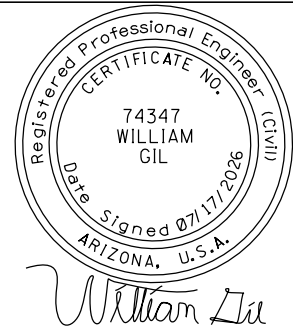
Background Color Legend:
BL - Blue; GR - Green; TQ - Turquoise; YL - Yellow; BR - Brown;
RD - Red; WH - White;

Panel Types:
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F-DA: Flat-sheet aluminum
F-Dem: Flat-sheet aluminum with demountable characters
Ext: Aluminum extrusions
Incr: Aluminum sheet increment
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* All retroreflective sheeting shall be Type IX and XI per ASTM D4956. Yellow sign shall have fluorescent sheeting.

Stringer Types: P: Square-tube post T: T-section (WT 3x6)
Post Types: S: Single perforated T: Telescoping perforated

Panel Width & Height:
E: Existing



	NAME	DATE
DESIGN	W. GIL	07/26
DRAWN	K. WINKSTERN	07/26
CHECKED	H. RIOS	07/26

wsp
WSP USA Inc.
1200 West Washington Street, Suite 600
Tempe, AZ 85288

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

SIGN SUMMARY

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
MILEPOST		ARIZ.	0000 YU YYU	YYU-0(221)T	33	37	
STRUCTURE NO.	AVENUE B, COUNTY 18TH ST - SR 195						DWG SGN04
	TRACS NO. T0439 01C						OF

CENTERLINE
RUMBLE STRIPS LIMITS

Begin STA	End STA	Gross Length (LF)	Rumble Strip Size (in.)
20+18.00	261+28.00	24,110	6
Total Gross Length		24,110	

NORTHBOUND SHOULDER
RUMBLE STRIPS LIMITS

Begin STA	End STA	Gross Length (LF)	Rumble Strip Size (in.)
19+49.42	267+33.00	24,784	8
Total Gross Length		24,784	

SOUTHBOUND SHOULDER
RUMBLE STRIPS LIMITS

Begin STA	End STA	Gross Length (LF)	Rumble Strip Size (in.)
20+18.00	269+90.00	24,972	8
Total Gross Length		24,972	

CENTERLINE
EXCEPTION TABLE

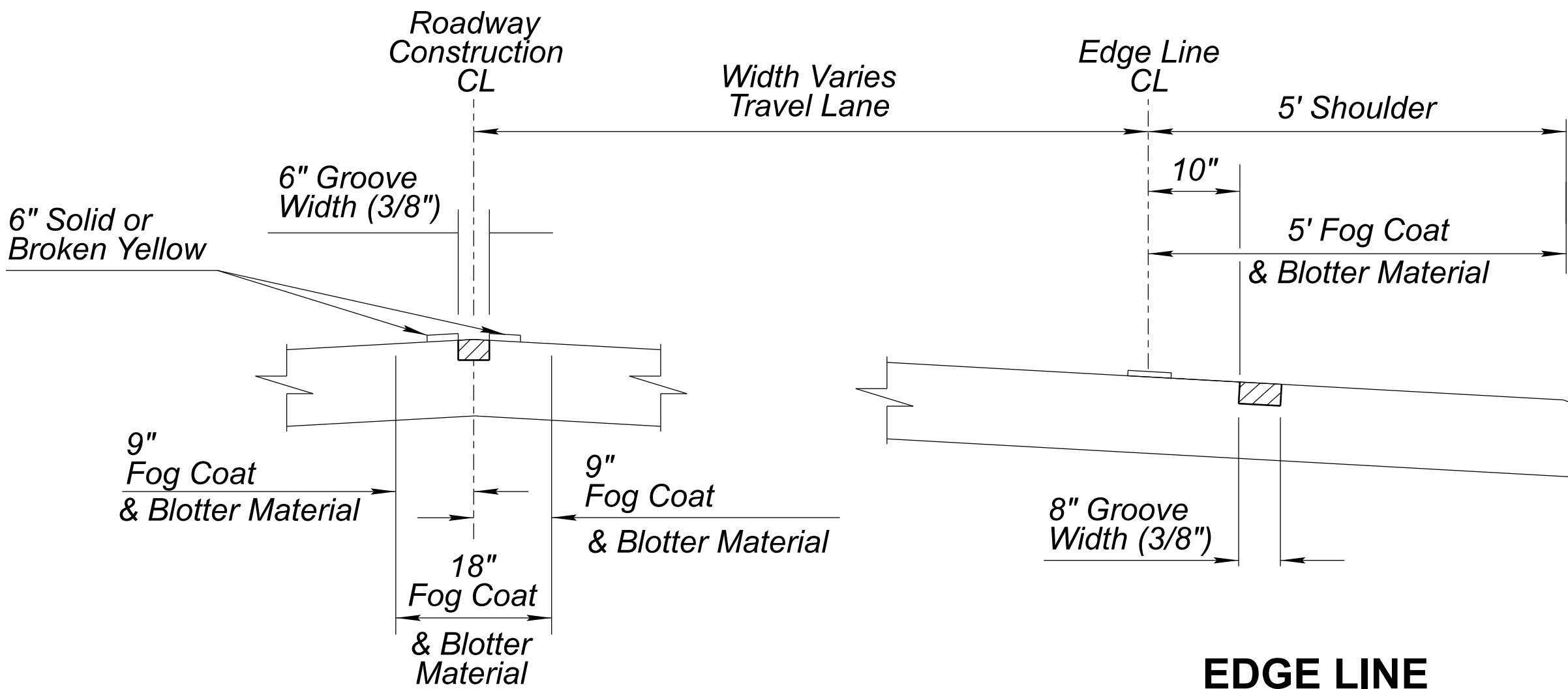
Begin STA	End STA	Exception Length (LF)	Description
190+38.17	202+79.50	1241	Turn Lane
209+68.83	224+29.96	1461	Intersection
Total Gross Length		24,110 LF	
Total Exception Length		2,702	
Total Net Length		21,408 LF (4.05 Miles)	

NORTHBOUND SHOULDER
EXCEPTION TABLE

Begin STA	End STA	Exception Length (LF)	Description
190+26.26	197+36.33	710	Turn Lane and Driveway
198+30.19	200+07.82	178	Driveway
205+07.42	207+31.04	224	Driveway
210+81.67	219+36.67	855	Intersection
Total Gross Length		24,784 LF	
Total Exception Length		1,967 LF	
25% Reduction for Gaps		5,704 LF	
Total Net Length		17,113 LF (3.24 Miles)	

SOUTHBOUND SHOULDER
EXCEPTION TABLE

Begin STA	End STA	Exception Length (LF)	Description
216+22.77	222+76.45	654	Intersection
263+76.80	265+56.63	180	Driveway
Total Gross Length		24,972 LF	
Total Exception Length		834 LF	
25% Reduction for Gaps		6,035 LF	
Total Net Length		18,103 LF (3.43 Miles)	



CENTERLINE
TYPICAL SECTION

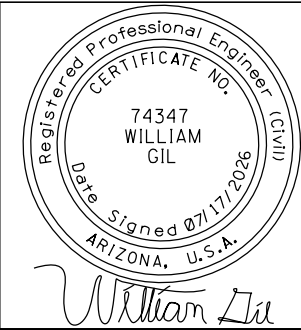
EDGE LINE
TYPICAL SECTION

FOG COAT QUANTITIES

	Aplication in Length (LF)	Aplication in Area (SF)	Fog Coat (Tons)
Centerline	21,408	32,112	1.19
Shoulder Edge (NB)	22,817*	114,085	4.22
Shoulder Edge (SB)	24,138*	120,690	4.47
Total	9.88 Tons		

*Equal to 'Total Gross Length' - 'Total Exception Length'

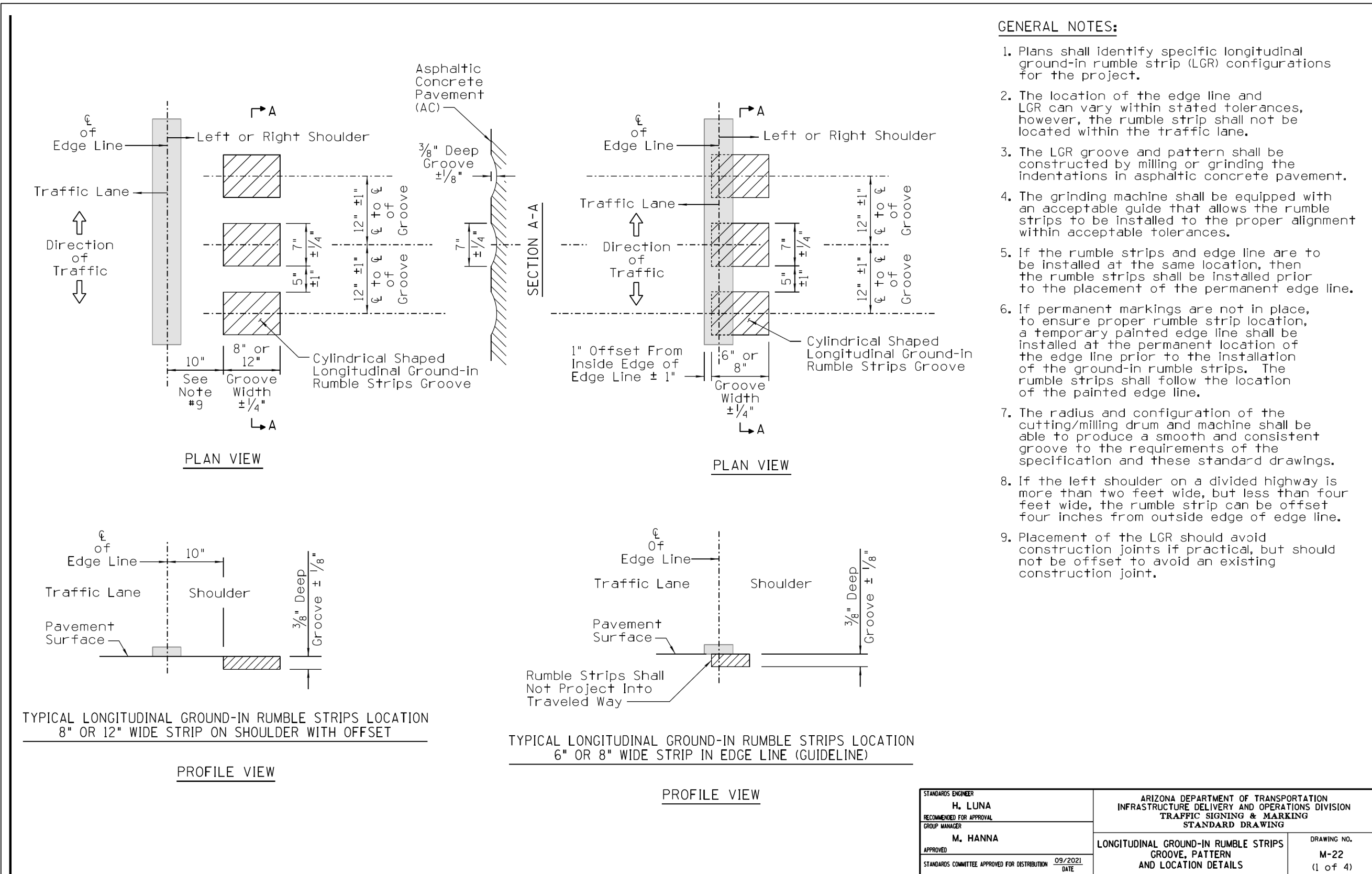
Note:
See Detail A, B & C for Rumble Strip Installation



	NAME	DATE
DESIGN	W. GIL	07/26
DRAWN	K. WINKSTERN	07/26
CHECKED	H. RIOS	07/26

wsp WSP USA Inc.
1230 West Washington Street, Suite 600
Tempe, AZ 85288

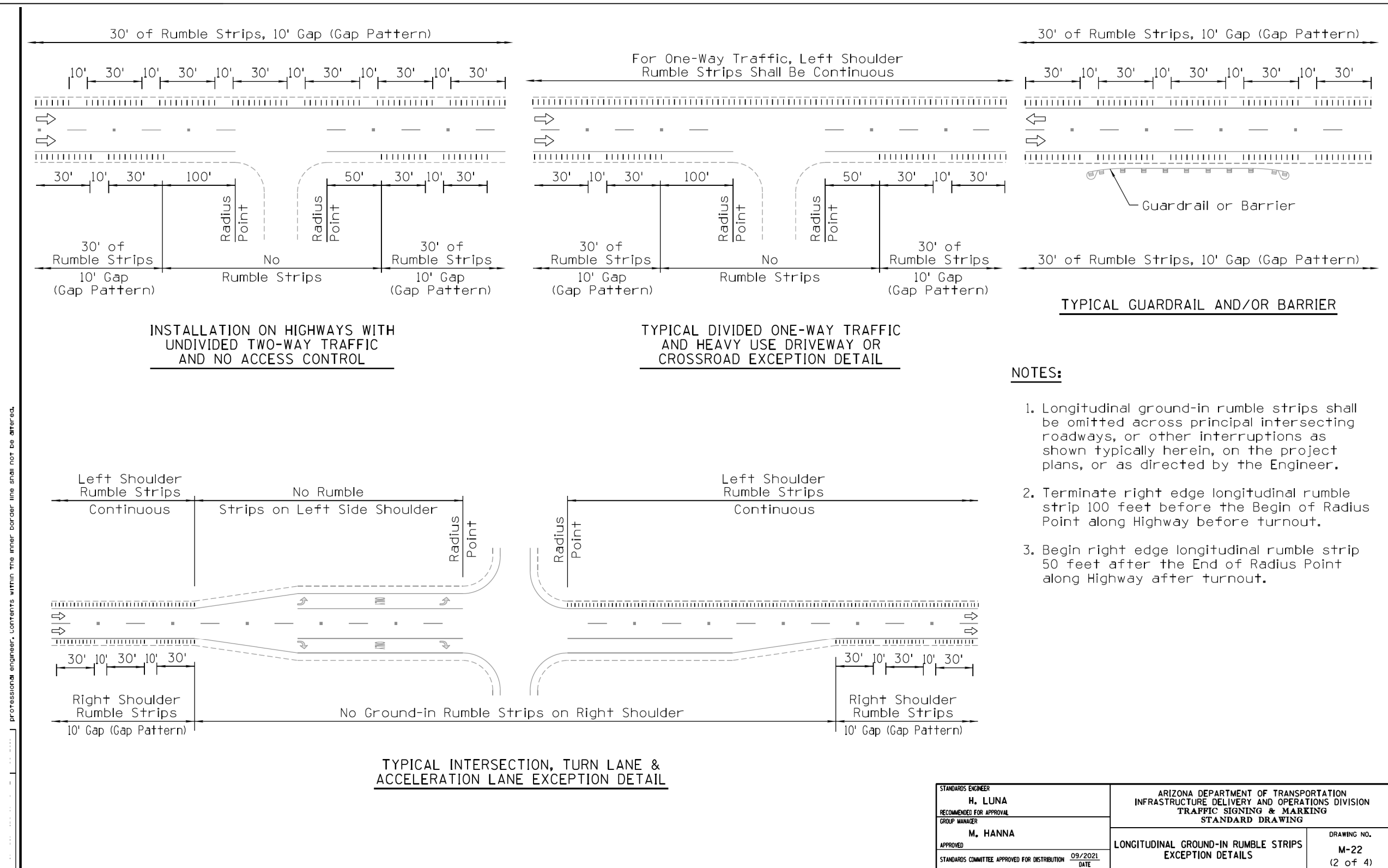
ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION TRAFFIC DESIGN SECTION	ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	MILEPOST		ARIZ.	0000 YU YYU	YYU-0(221)T	34	37	
	RUMBLE STRIP SHEET		LOCATION AVENUE B, COUNTY 18TH ST - SR 195					
STRUCTURE NO.		TRACS NO. T0439 01C				____ OF ____		



DETAIL A

ADOT STD DWG M-22

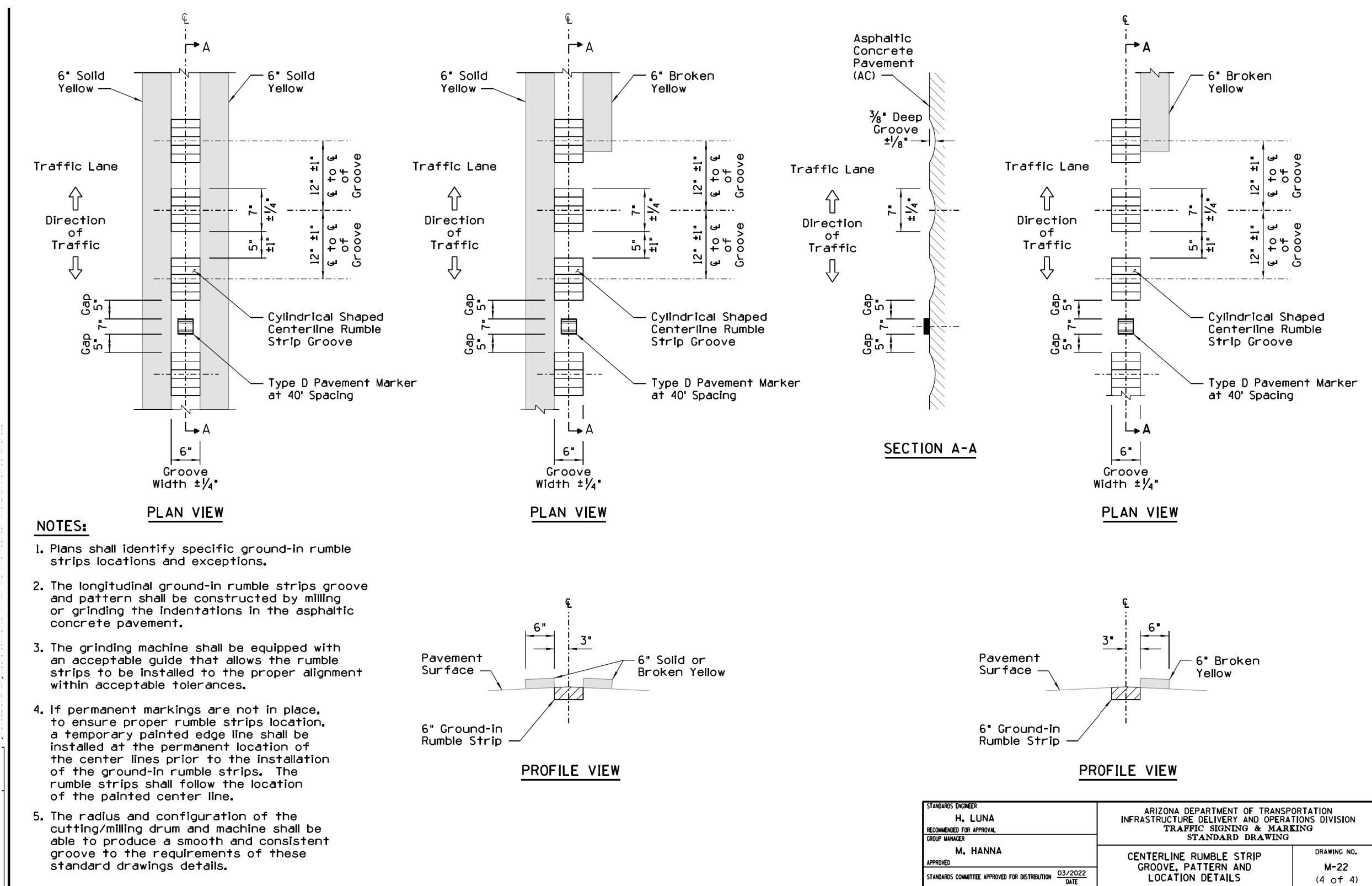
LONGITUDINAL GROUND IN RUMBLE STRIPS



DETAIL B

ADOT STD DWG M-22

LONGITUDINAL GROUND IN RUMBLE STRIPS EXCEPTION DETAIL



DETAIL C

ADOT STD DWG M-22

CENTERLINE RUMBLE STRIP GROOVE, PATTERN AND LOCATION DETAILS

  WSP USA Inc. 1230 West Washington Street, Suite 600 Tempe, AZ 85288		NAME	DATE	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION TRAFFIC DESIGN SECTION		ROUTE	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. 0000 YU YYU	FEDERAL ID NO. YYU-0(221)T	SHEET NO. 35	TOTAL SHEETS 37	RECORD DRAWING
	DESIGN	W. GIL	07/26	MILEPOST	RUMBLE STRIP DETAIL	STRUCTURE NO.							
	DRAWN	K. WINKSTERN	07/26										
	CHECKED	H. RIOS	07/26										
						LOCATION		AVENUE B, COUNTY 18TH ST - SR 195				DWG RS02	
						TRACS NO. T0439 01C						____ OF ____	

CONTROL MEASURE INDEX SHEET (CMIS)

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

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

I. PROJECT DESCRIPTION

A. Owner Name and Address:

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

B. Project TRACS Number: T0439 01C

C. Project Name/location (be consistent with the plan set cover sheet): AVENUE B, COUNTY 18TH ST - SR 195

City: Yuma County: Yuma County

Beginning Latitude (NAD 83): 545789.903

Beginning Longitude (NAD 83): 423107.961

Ending Latitude (NAD 83): 571336.670

Ending Longitude (NAD 83): 422906.454

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: Widening shoulder to 5' width, installing edge line rumble strips, center line rumble strip and installing pavement markings.

II. HYDROLOGIC INFORMATION

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

Percent before Construction:

Percent after Construction:

3. 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=41a5c2ca49bda83b239450e61022d53>

(if unnamed, state as unnamed)

III. SOIL STABILIZATION MEASURES

- ☐ All disturbed soil, which will not be paved, riprapped or otherwise covered to prevent erosion, will be revegetate 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 / Sediments 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:

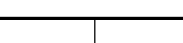
3. Permanent and Post-construction Stormwater and Air Quality Control Measures (CMs) / Best Management Practices (BMPs):

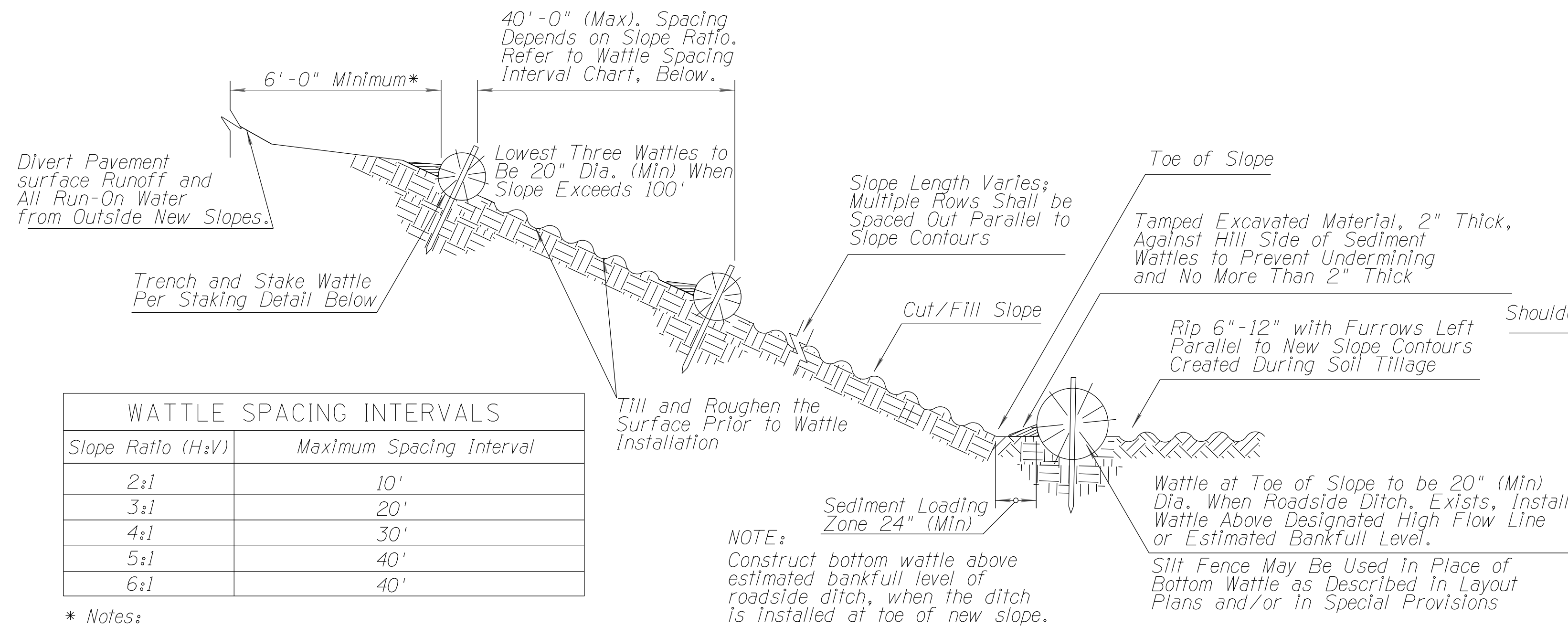
- ☐ Crown Ditch/Dike
- ☐ Rock Protection
- ☐ Rock Riprap Channel Lining
- ☐ Sediment Basin
- ☐ Embankment Curb
- ☐ Spillways
- ☐ Downdrains
- ☐ Minibenching
- ☐ Solid Waste Management
- ☐ **Rock-filled Stormwater Infiltration CM/BMP as Infiltration basin and/or Trench
- ☐ **Filtration Structures
- ☐ **Infiltration Basin and/or Trench
- ☐ **Retention and/or Detention Basins
- ☐ **Bioretention
- ☐ **Manufactured Treatment Devices
- ☐ Seeding established as a perennial vegetative cover with a density of 70% of the native background vegetative cover.

☐ Others Describe: _____

** Track and report ADOT EP Water Resources Management:

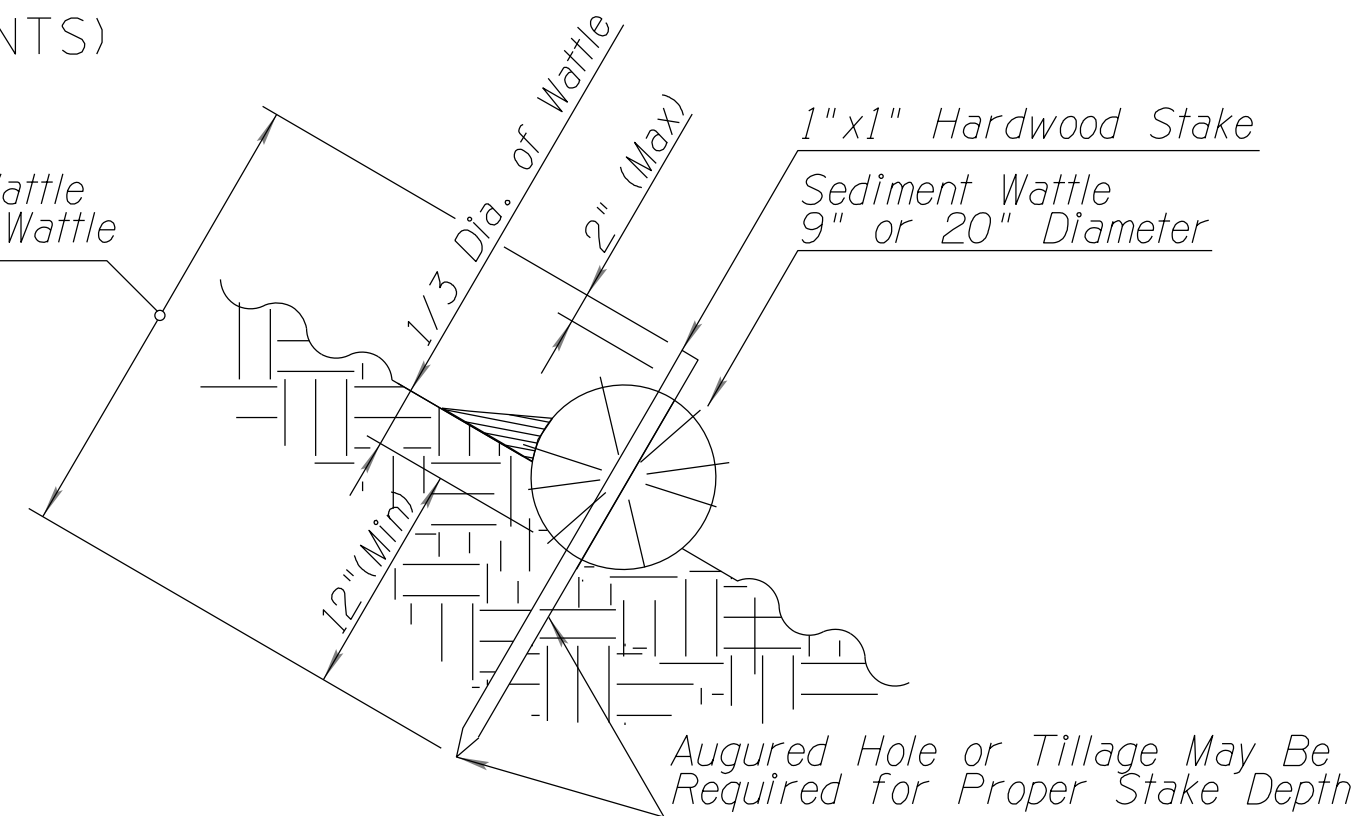
ADOTWater@azdot.gov

	<table border="1"> <thead> <tr> <th></th> <th>NAME</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>DESIGN</td> <td>M. SCHOEN</td> <td>07/26</td> </tr> <tr> <td>DRAWN</td> <td>P. ESCOBAR</td> <td>07/26</td> </tr> <tr> <td>CHECKED</td> <td>H. RIOS</td> <td>07/26</td> </tr> </tbody> </table>		NAME	DATE	DESIGN	M. SCHOEN	07/26	DRAWN	P. ESCOBAR	07/26	CHECKED	H. RIOS	07/26	 WSP USA Inc. 1230 West Washington Street, Suite 600 Tempe, AZ 85289	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION ROADSIDE DEVELOPMENT SECTION	ROUTE MILEPOST STRUCTURE NO.	F.H.W.A. Arizona Division ARIZ.	STATE ARIZ.	PROJECT NO. 0000 YU YYU	FEDERAL ID NO. YYU-0(221)T	SHEET NO. 36	TOTAL SHEETS 37	RECORD DRAWING
		NAME	DATE																				
	DESIGN	M. SCHOEN	07/26																				
	DRAWN	P. ESCOBAR	07/26																				
CHECKED	H. RIOS	07/26																					
LOCATION AVENUE B, COUNTY 18TH ST - SR 195											DWG EC01												
TRACS NO. T0439 01C											____ OF ____												
STORMWATER & AIR QUALITY CONTROL MEASURE INDEX SHEET (CMIS)																							

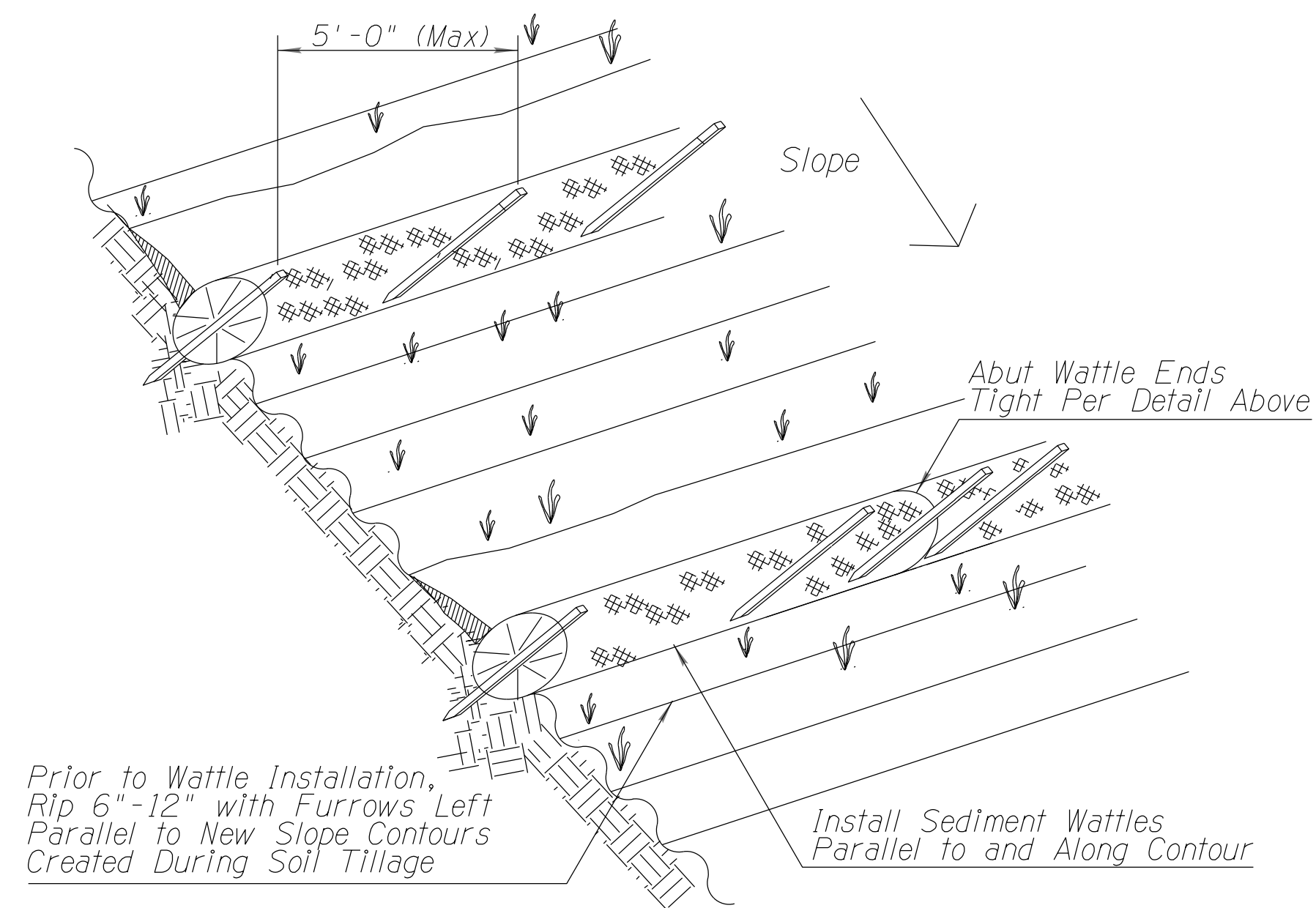


SECTION (NTS)

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



SEDIMENT WATTLE STAKING
DETAIL (NTS)



SEDIMENT WATTLE
LAYOUT (NTS)

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

SEDIMENT WATTLE
OVERLAP (NTS)

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 manufacturer's 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 Minibenching are used. For seeded areas, tillage shall be performed to form minor ridges and furrows parallel to new slope contours and as specified in Section 805 of the Specifications and project special provisions.
7. Divert and direct run-on water from outside of the slopes to the spillways and/or rock riprap/rock mulc. 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, not 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 approve 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 / habitats) will be adversely impacted.

DETAIL **EC02**
SEDIMENT WATTLE



WSP USA Inc.
1230 West Washington Street, Suite 600
Tempe, AZ 85288

	NAME	DATE
DESIGN	M. SCHOEN	07/26
DRAWN	P. ESCOBAR	07/26
CHECKED	H. RIOS	07/26

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

**STORMWATER QUALITY PROTECTION
EROSION/SEDIMENT CONTROL DETAILS**

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ROUTE		ARIZ.	0000 YU YYU	YYU-0(221)T	37	37	
MILEPOST	AVENUE B, COUNTY 18TH ST - SR 195						DWG EC02
STRUCTURE NO.	TRACS NO. T0439 01C						OF