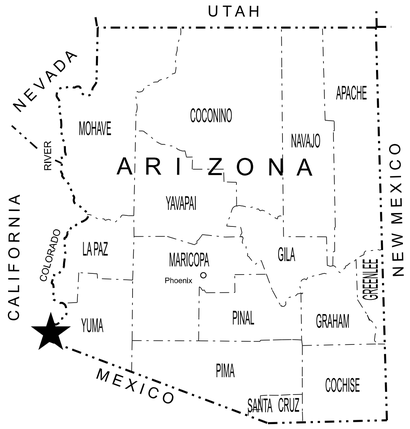
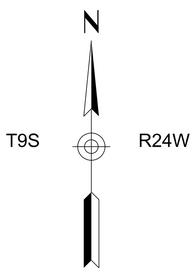
STATE OF ARIZONA
DEPARTMENT OF TRANSPORTATION
PROJECT DELIVERY AND OPERATIONS DIVISION

ARIZONA DEPARTMENT OF TRANSPORTATION

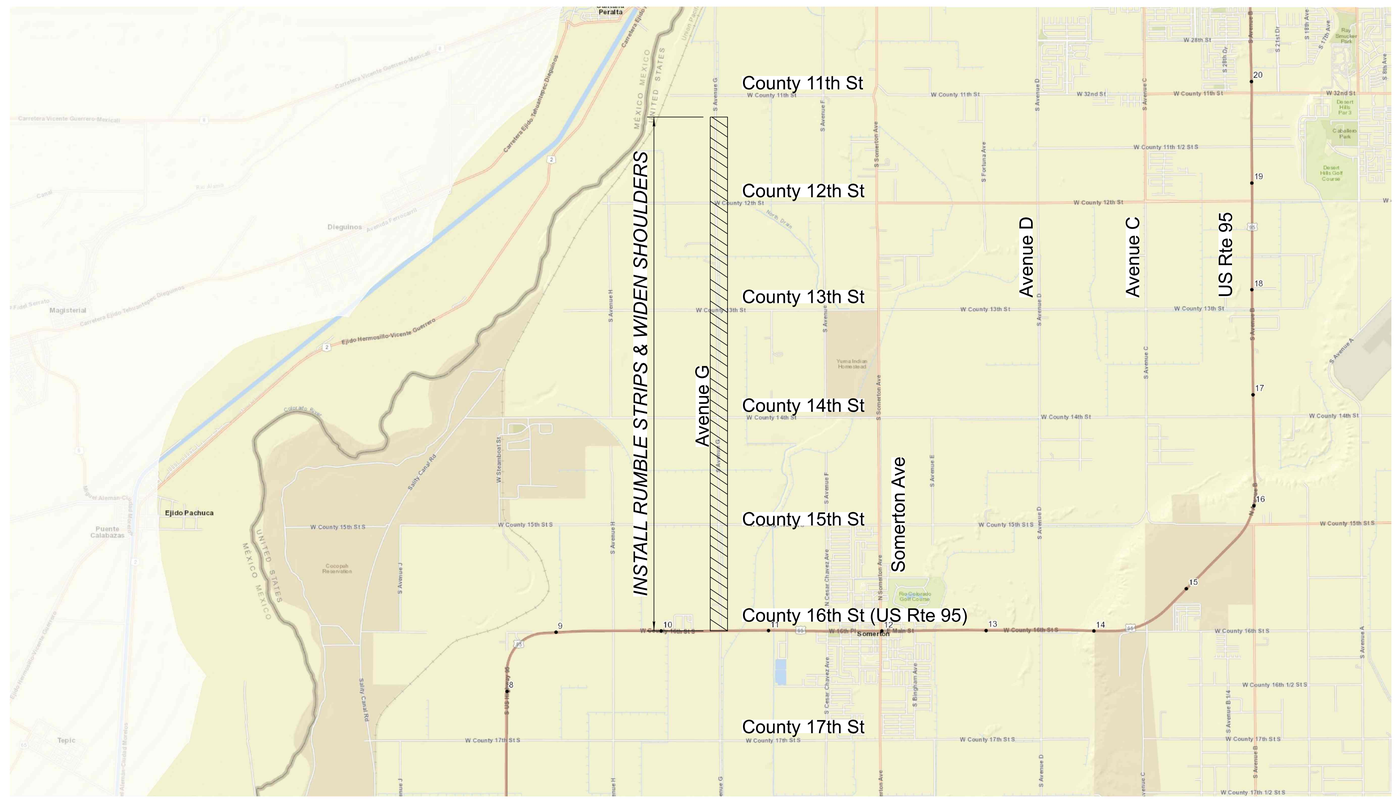
PROJECT PLANS

RURAL AREA
YUMA COUNTY





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 G, COUNTY 11TH ST - COUNTY 16TH ST

PROJECT NO.: 0000 YU YYU T0437 01C
FEDERAL AID NO.: YYU-0(225)T

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

REC. DWGS. DATA	REC. DWG. DATE	_____ OF _____

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
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

	NAME	DATE
CONSTRUCTION STANDARDS	Michael Schoen	07/26

PROJECT NO. 0000 YU YYU T0437 01C — 1A OF 37

RECORD DRAWING DATA — FEDERAL ID NO. YYU-0(225)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 CROSSOVERS
2/21	M-27 SHT 2	DELINEATION DETAILS FOR MEDIAN CROSSOVERS
6/14	M-29	OFF- MAINLINE REFERENCE MARKER LOCATION DETAIL
6/14	M-30	OFF- MAINLINE REFERENCE MARKER DETAILS
6/14	M-32	BRIDGE AND BARRIER MARKER DETAILS
6/14	M-33	BRIDGE AND BARRIER MARKER PLACEMENT AND INSTALLATION DETAILS
6/14	M-34	GUARDRAIL END TERMINAL DELINEATION DETAILS
6/14	M-35	OBJECT MARKER FOR SAND BARREL CRASH CUSHION

ADOT STANDARD DRAWINGS
REVISION DATES and STANDARD NO.'s REVIEW

	NAME	DATE
SIGNING & MARKING STANDARDS	Michael Schoen	07/26

PROJECT NO.			
0000 YU YYU T0437 01C		1B-1	OF 37
RECORD DRAWING DATA	FEDERAL ID NO. YYU-0(225)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

	NAME	DATE
SIGNING & MARKING STANDARDS	Michael Schoen	07/26

PROJECT NO. 0000 YU YYU T0437 01C — 1B-2 OF 37

RECORD DRAWING DATA — FEDERAL ID NO. YYU-0(225)T — REC. DWG. DATE — OF

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

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

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

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

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

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

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

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

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

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

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.

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**	
FEDERAL ID NO.	YYU-0(225)T		
PROJECT NO.	0000 YU YYU T0437 01C	With the above signature, the R.E. attests that all EPIC work for this project has been satisfactorily completed.	
REC DWG DATE:		1F OF 37	**Sheet 1F**

MIDPOINT OF PROJECT

West Zone
State Plane Coordinates
X=396459.741
Y=596033.920

DESIGN DATA

2023 AADT = 6189
Design Speed = 50 MPH

LENGTH OF PROJECT

Sta 17+32.11 to 265+40.35 = 24,808.24'

Gross and Net Length = 24,808.24' - 4.70 Miles

EARTHWORK QUANTITIES

Roadway Excavation	◪ *8,381 CY*
Excavation Shrink	*1,425 CY*
Embankment	*319 CY*
Excess Material Waste	*6,637 CY*

Note: Roadway excavation does not include AC removal quantitiy

◪ *Pay Item*

EARTHWORK FACTORS

Location	Shrink	Ground Compaction
Within Project Limits	*17.0%*	*0.10'*

INDEX OF SHEETS

Sheet No.	DWG 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	*SUM01*	*Barrier Summary Sheet*
6-9	*GEO1-GEO4*	*Geometric Control Sheets*
10-24	*P01-P15*	*Plan Sheets*
25-29	*MOT01-MOT05*	*Maintenance of Traffic Sheets*
30-31	*PM00-PM01*	*Pavement Marking Sheet and Signing Notes Sheet*
32-33	*SGN01-SGN02*	*Sign Summary Sheets*
34-35	*RS01-RS02*	*Rumble Strip Sheets*
36-37	*EC01-EC02*	*Erosion Control Sheets*

LEGEND

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

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.

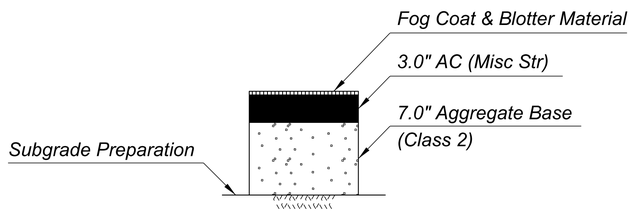
Where only the horizontal location of an existing utility is shown, the location is approximate. Where both the horizontal and vertical location of an existing utility is shown, the location has been verified by field survey methods. The contractor shall comply with all current Arizona 811 laws and Section 107.15 of the specifications.

The average project elevation is 115' .

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

New R/W and/or easements are not required.

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



Total Thickness = 10.0"

PAVEMENT STRUCTURAL NO.1

Registered Professional Engineer (Civil) CERTIFICATE NO. 70847 MICHAEL J SCHOEN Date Signed 7/17/26 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	M. SCHOEN	07/26
DRAWN	N. EKI BWANGOY	07/26
CHECKED	H. RIOS	07/26

WSP USA Inc.
1230 West Washington Street, Suite 600
Tempe, AZ 85281

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

DESIGN SHEET

ROUTE
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	0000 YU YYU	YYU-0(225)T	2	37	

LOCATION AVENUE G, COUNTY 11TH ST - COUNTY 16TH ST

DWG DS01

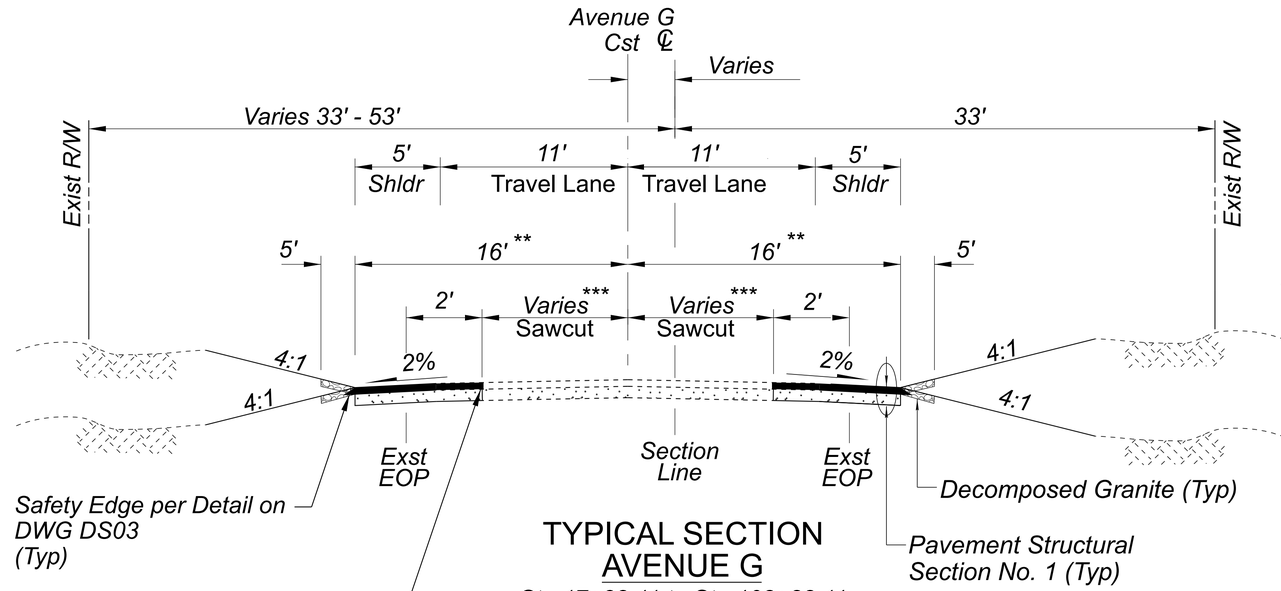
TRACS NO. T0437 01C

____ OF____

Roadway Width Limits**
20.7± - 16.00 19+08.87 - 21.93.34

Sawcut Limits***

12.50'-8.00'	19+08.87 - 21+93.28
8.00'	21+93.28 - 97+17.81
9.00'	97+17.81 - 108+88.11
9.50'	122+46.43 - 125+81.62
10.00'	125+81.62 - 159+72.65
9.50'	159+72.65 - 180+70.46
10.50'	180+70.46 - 265+40.35



TYPICAL SECTION
AVENUE G

Sta 17+32.11 to Sta 108+88.11
Sta 122+46.43 to Sta 265+40.35

Roadway Width Limits**
19.9± - 16.00 17+32.11 - 18+92.99

Sawcut Limits***

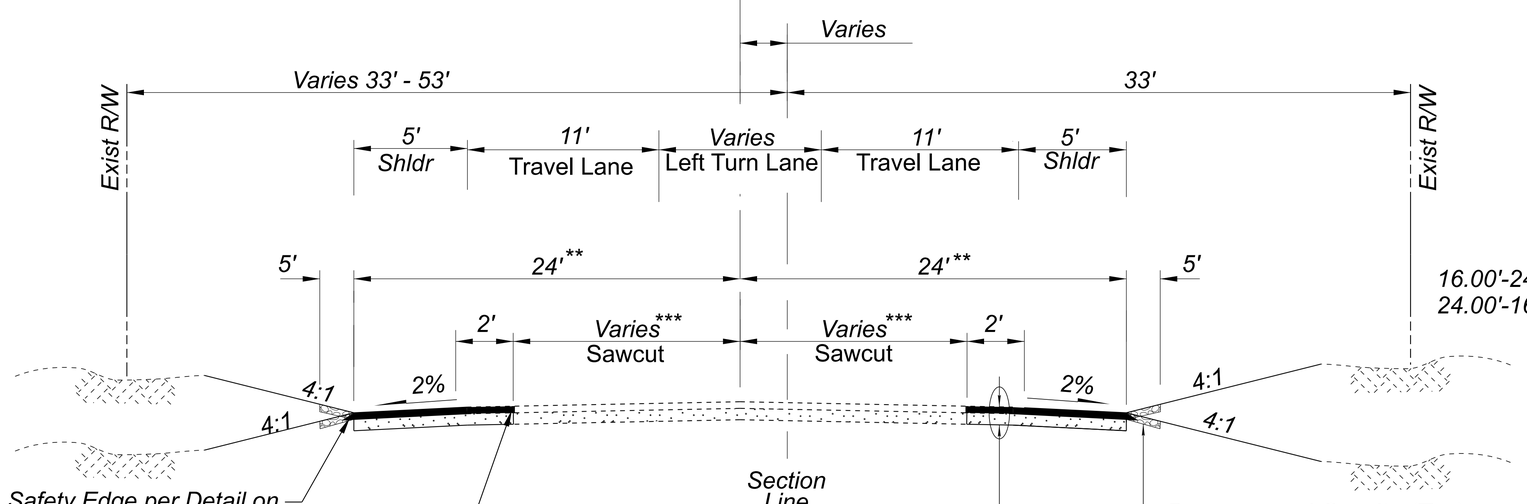
12.87' - 9.00'	17+32.11 - 18+92.91
9.00'	18+92.91 - 53+99.94
9.50'	53+99.94 - 108+88.11
10.00'	122+46.43 - 177+99.83
9.50'	177+99.83 - 190+22.79
10.50'	190+22.79 - 265+40.35

Roadway Width Limits**

16.00'-24.00'	108+88.11 - 113+28.87
24.00'-16.00'	117+50.88 - 122+46.43

Sawcut Limits***

9.00' - 17.00'	108+88.11 - 113+28.87
17.00'	113+28.87 - 114+67.47
17.00'	116+32.86 - 117+50.87
17.00' - 9.50'	117+50.87 - 122+46.43



TYPICAL SECTION
AVENUE G

Sta 108+88.11 to Sta 122+46.43

Roadway Width Limits**

16.00'-24.00'	108+88.11 - 113+28.87
24.00'-16.00'	117+50.88 - 122+46.43

Sawcut Limits***

9.50' - 17.00'	108+88.11 - 113+28.87
17.00'	113+28.87 - 114+80.17
17.00'	116+45.47 - 118+14.26
17.00' - 9.50'	118+14.26 - 122+46.43

Registered Professional Engineer (Civil) CERTIFICATE NO. 70847 MICHAEL J. SCHOEN Date Signed 7/17/26 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	M. SCHOEN	07/26
DRAWN	N. EKI BWANGOY	07/26
CHECKED	H. RIOS	07/26

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

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

TYPICAL SECTION SHEET

ROUTE
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division

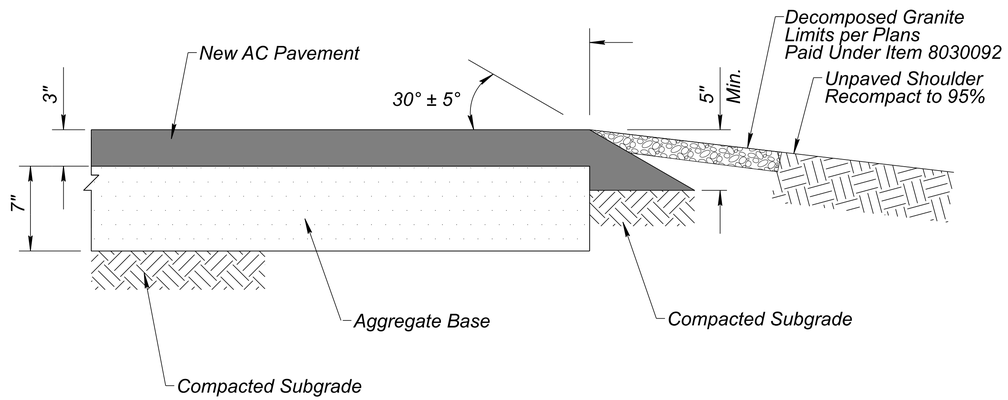
STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	0000 YU YYU	YYU-0(225)T	3	37	

LOCATION AVENUE G, COUNTY 11TH ST - COUNTY 16TH ST

DWG DS02

TRACS NO. T0437 01C

____ OF____



Safety Edge is to be paid under Bid Item 4090003

SAFETY EDGE

	NAME	DATE
DESIGN	M. SCHOEN	07/26
DRAWN	N. EKI BWANGOY	07/26
CHECKED	H. RIOS	07/26

Registered Professional Engineer (Civil) CERTIFICATE NO. 70847 MICHAEL J SCHOEN Date Signed 7/17/26 ARIZONA, U.S.A.

WSP USA Inc.
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Tempe, AZ 85288

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

DETAIL SHEET

ROUTE
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division

STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	0000 YU YYU	YYU-0(225)T	4	37	

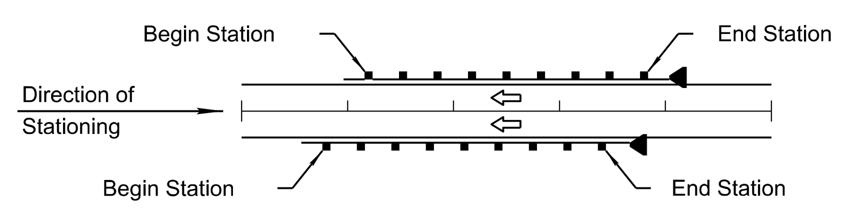
LOCATION AVENUE G, COUNTY 11TH ST - COUNTY 16TH ST

DWG DS03

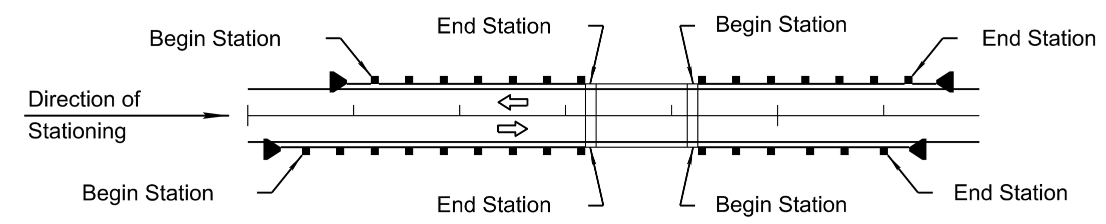
TRACS NO. T0437 01C

____ OF____

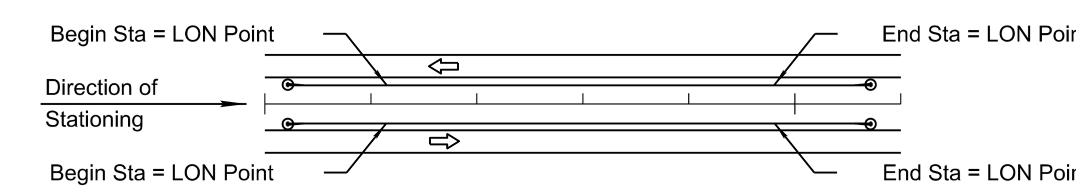
ONE-WAY ROADWAY



TWO-WAY ROADWAY WITH STRUCTURE ◒



DIVIDED ROADWAY WITH HIGH TENSION MEDIAN CABLE BARRIER



LOCATION		◇				BARRIER – NEW GUARDRAIL				BARRIER – EXISTING GUARDRAIL				
Begin / End Station (Approximate) (0)	Plan Reference Number	C-10.01 Guardrail Installation	C-10.03 (Timber Post)	C-10.04 (Steel Post)	Detail	Length (Linear Feet) (0.0)	C-10.06 Long Span	C-10.07 Box Culvert Post (Each)	Shop Curved Guardrail Length (Linear Feet) (0.0)	Reconstruct-Exst Post, Block Length (Linear Feet) (0.0)	Reconstruct-New Post, Block Length (Linear Feet) (0.0)	Remove and Salvage Length (Linear Feet) (0.0)	Construct from Salvage Length (Linear Feet) (0.0)	Remove Length (Linear Feet) (0.0)
SB 112+37	1		X			87.5						87.5		
SB 114+49														
Sheet Total						87.5						87.5		

	BARRIER – CONCRETE BARRIER								BARRIER – CABLE ●			TRANSITION – RAIL (Each)		TRANSITION – CONC BARRIER (Each)		
Station	Length (Linear Feet) (0.0)	C-10.40 (32" Median)	C-10.41 (42" Median)	C-10.50 (32" Half)	C-10.54 (32" Half at Piers)	C-10.55 (42" Half at Piers)	Detail	Remove Existing Length (Linear Feet) (0.0)	High-Tension Cable Barrier Length (Linear Feet) (0)	C-12.30 Chain-Link Cable Barrier Length (Linear Feet) (0.0)	Begin = Treatment at Beginning / End = Treatment at End	C-10.30 (Wood Post)	C-10.31 (Steel Post)	C-10.70 32" or C-10.72 42"	C-10.74 42" to 32"	Detail
SB 112+37											Begin					
SB 114+49											End					
											Begin					
											End					
											Begin					
											End					
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											Begin					
											End					
Sheet Total																

	END TREATMENT – NEW (Each ◪)						END TREATMENT – EXISTING – Action				END TREATMENT – EXISTING – Each ◪							
Station	Tangent C-10.20 thru C-10.23 ◧	Flared C-10.26 ◧	End Anchor C-10.08 or Detail	High-Tension Cable Terminal	Sand Barrels C-1 or Detail ■	Attenuator Detail	Reconstruct (See Special Prv)	Remove and Salvage	Construct from Salvage	Remove	Tangent	Flared	End Anchor C-10.08 or Detail	High-Tension Cable Terminal	Sand Barrels C-1 or Detail ■	Attenuator Detail	BCT (L=12.5')	REMARKS
SB 112+37	1																	
SB 114+49	1																	
Sheet Total	2																	

THE ZEROS IN PARENTHESES (0.0) INDICATE THE DIMENSIONAL PRECISION FOR THAT COLUMN.

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

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

◑ SEE BRIDGE SHEETS FOR BRIDGE BARRIER DETAILS AND QUANTITIES.

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

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

REV. DATE: 3/25

Registered Professional Engineer (Civil) CERTIFICATE NO. 70847 MICHAEL J SCHOEN Date Signed 7/17/26 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	M. SCHOEN	07/26
DRAWN	N. EKI BWANGOY	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

BARRIER SUMMARY SHEET

ROUTE
MILEPOST
STRUCTURE NO.

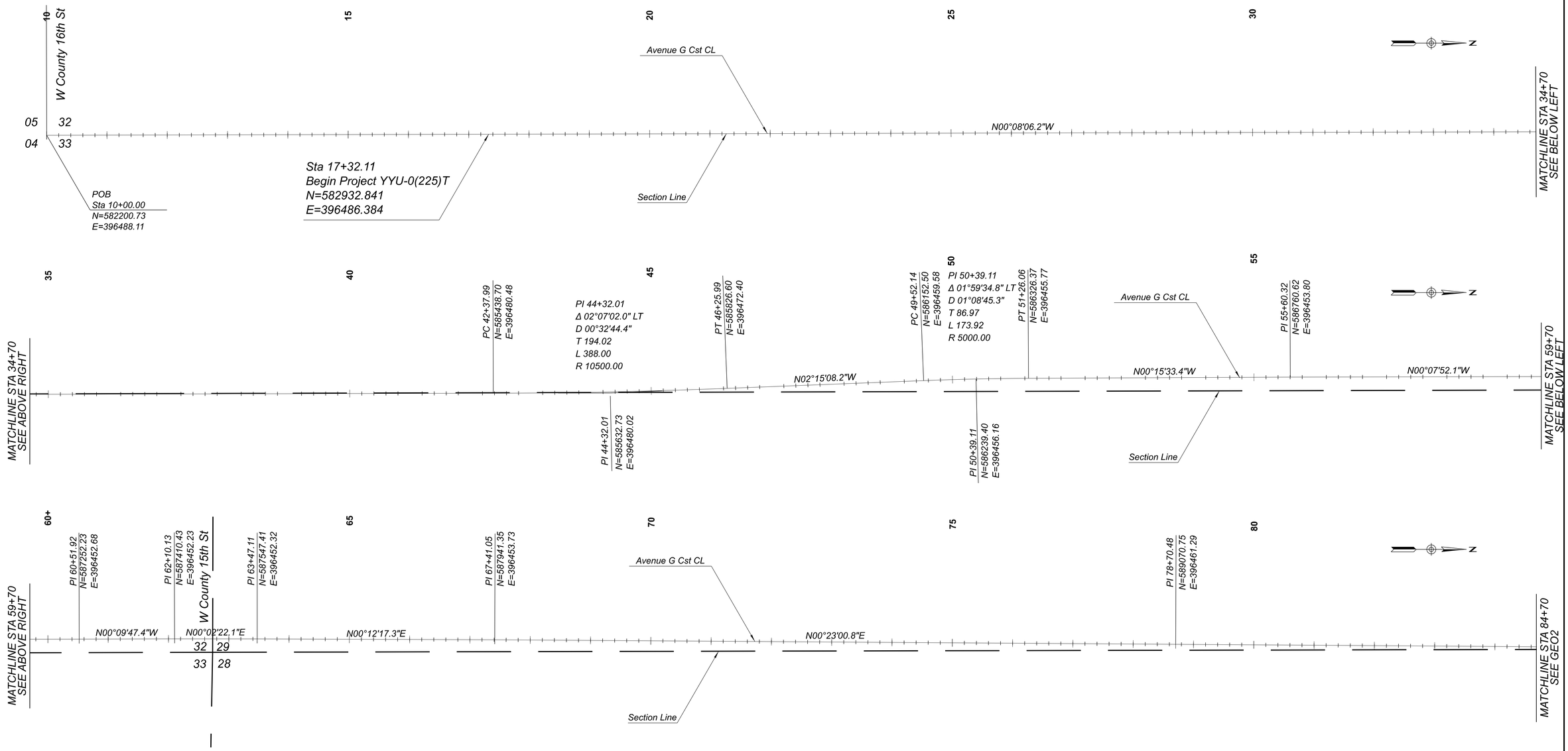
F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	0000 YU YYU	YYU-0(225)T	5	37	

LOCATION AVENUE G, COUNTY 11TH ST - COUNTY 16TH ST

DWG SUM01

TRACS NO. T0437 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

PRIMARY BENCHMARK:
Trace Point #102, a rebar with orange cap located near the North edge of headwall
at the Southeast corner of Avenue G and County 13th Street, Elev. = 113.19 (NAVD88)

SECONDARY BENCHMARK:
Trace Point #103 a rebar with orange cap located near the West edge of headwall
at the Southeast corner of Avenue G and County 11th Street, Elev. = 116.78 (NAVD88)

Registered Professional Engineer (Civil) CERTIFICATE NO. 70847 MICHAEL J SCHOEN Date Signed 7/17/26 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	M. SCHOEN	07/26
DRAWN	N. EKI BWANGOY	07/26
CHECKED	H. RIOS	07/26

WSP USA Inc.
1230 West Washington Street, Suite 600
Tempe, AZ 85281

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

GEOMETRIC CONTROL SHEETS

ROUTE
MILEPOST
STRUCTURE NO.

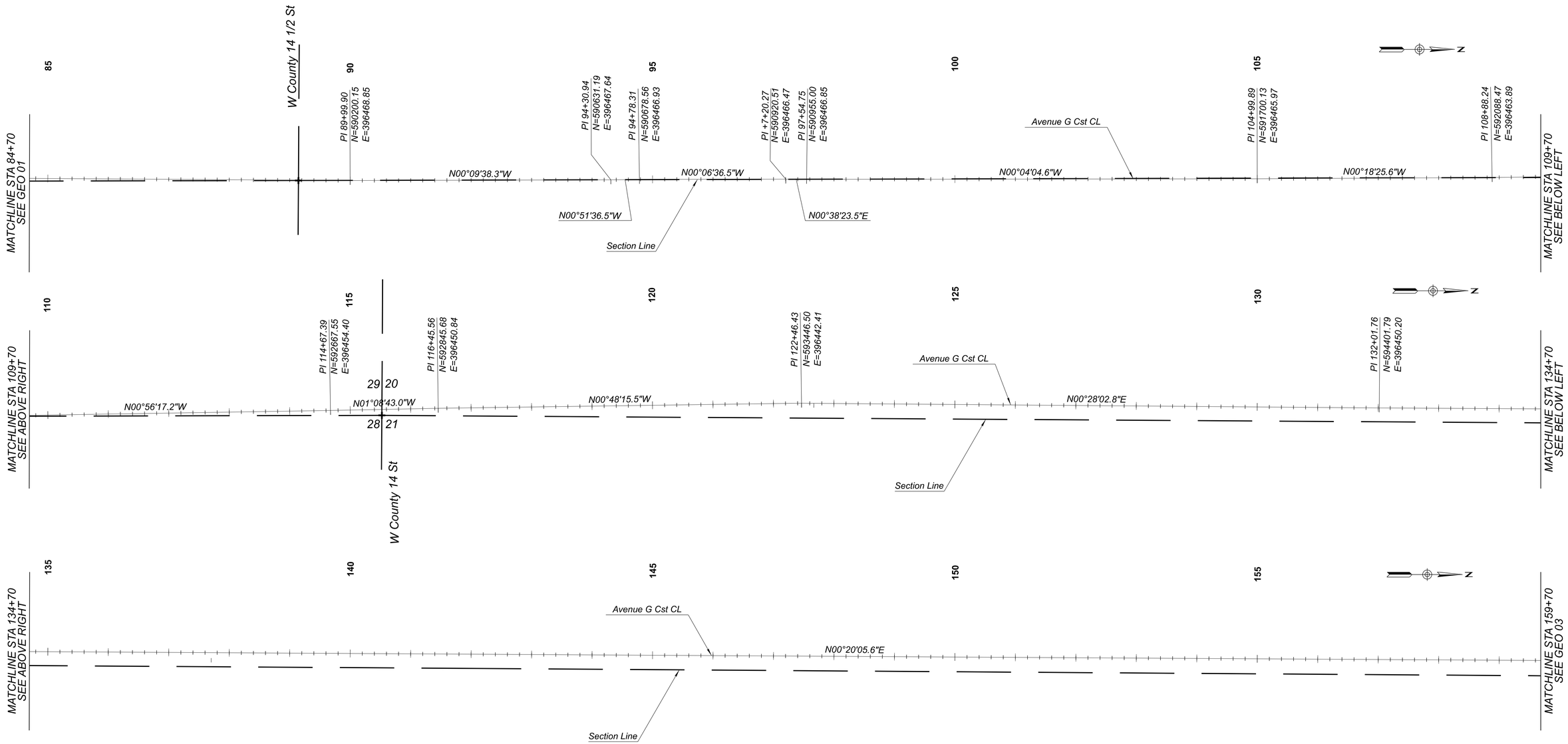
F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	0000 YU YYU	YYU-0(225)T	6	37	

LOCATION AVENUE G, COUNTY 11TH ST - COUNTY 16TH ST

DWG GEO1

TRACS NO. T0437 01C

____ OF____



	NAME	DATE
DESIGN	M. SCHOEN	07/26
DRAWN	N. EKI BWANGOY	07/26
CHECKED	H. RIOS	07/26

Registered Professional Engineer (Civil) CERTIFICATE NO. 70847 MICHAEL J SCHOEN Date Signed 7/17/26 ARIZONA, U.S.A.

WSP USA Inc.
1230 West Washington Street, Suite 600
Tempe, AZ 85281

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

GEOMETRIC CONTROL SHEETS

ROUTE
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division

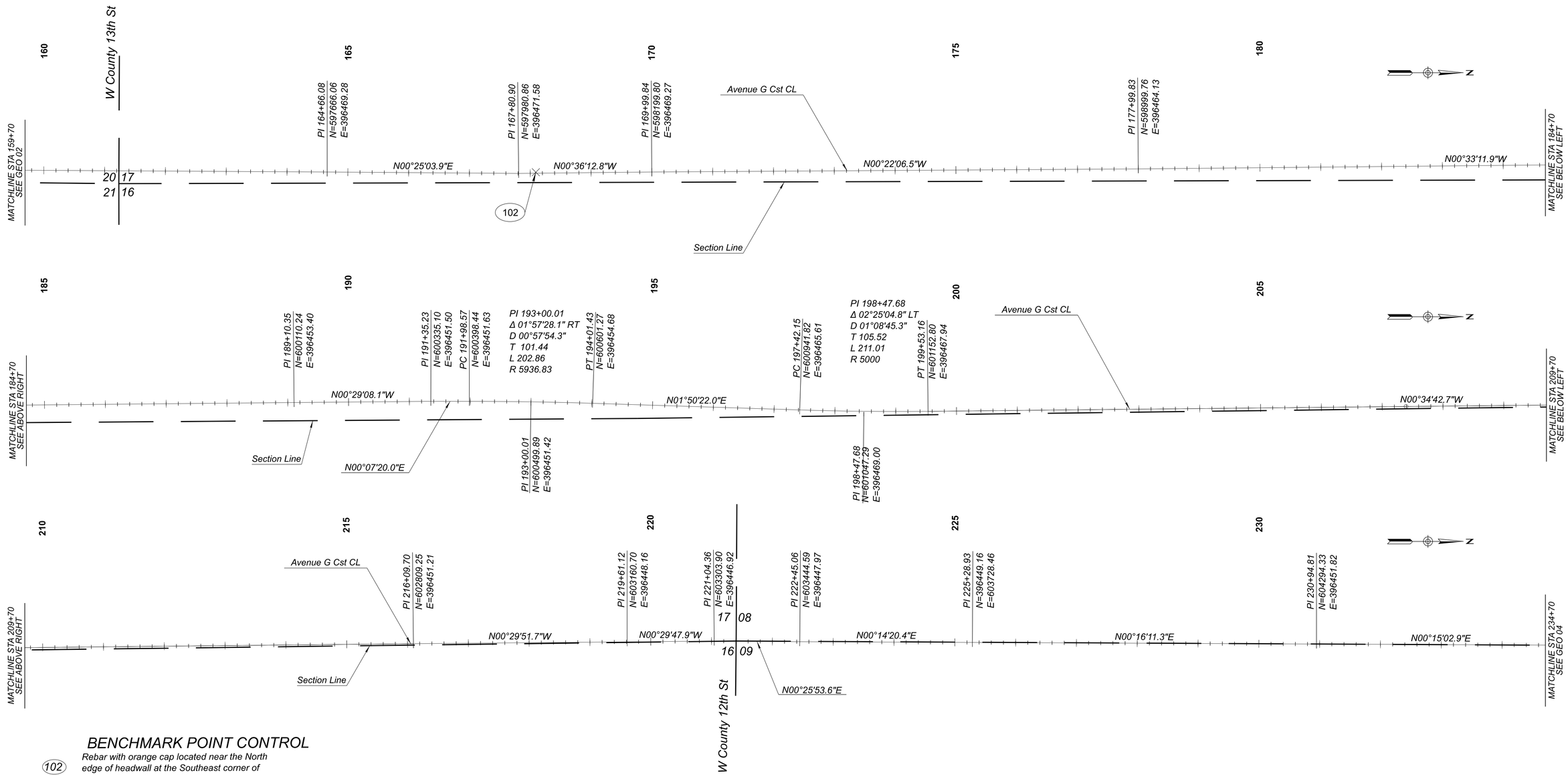
STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	0000 YU YYU	YYU-0(225)T	7	37	

LOCATION AVENUE G, COUNTY 11TH ST - COUNTY 16TH ST

DWG GEO2

TRACS NO. T0437 01C

____ OF ____



BENCHMARK POINT CONTROL

102

Rebar with orange cap located near the North edge of headwall at the Southeast corner of Avenue G and County 13th Street
Elev. = 113.19 (NAVD88)
N:396469.57, E:598009.13

	NAME	DATE
DESIGN	M. SCHOEN	07/26
DRAWN	N. EKI BWANGOY	07/26
CHECKED	H. RIOS	07/26

Registered Professional Engineer (Civil) CERTIFICATE NO. 70847 MICHAEL J. SCHOEN Date Signed 7/17/26 ARIZONA, U.S.A.

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

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

GEOMETRIC CONTROL SHEETS

ROUTE
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division

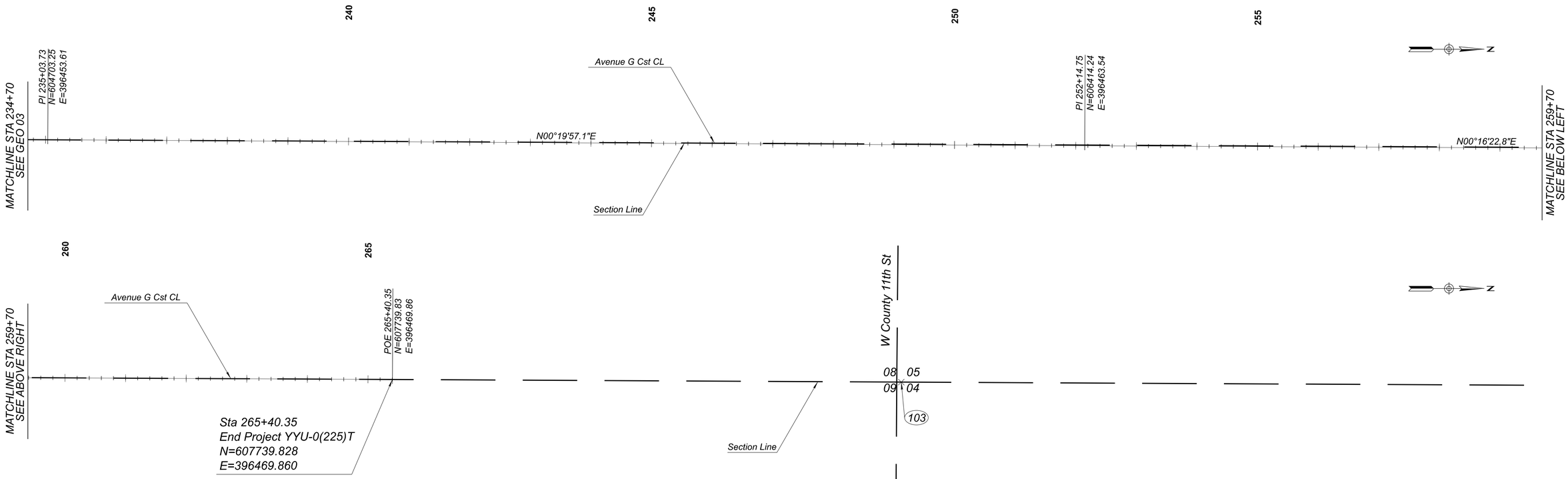
STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	0000 YU YYU	YYU-0(225)T	8	37	

LOCATION AVENUE G, COUNTY 11TH ST - COUNTY 16TH ST

DWG GEO3

TRACS NO. T0437 01C

____ OF ____



BENCHMARK POINT CONTROL

(103) Rebar with orange cap located near the West edge of headwall at the Southeast corner of Avenue G and County 11th Street,
Elev=116.78 (NAVD88)
N:396474.23, E:608579.44

Registered Professional Engineer (Civil)
CERTIFICATE NO.
70847
MICHAEL J
SCHOEN
Date Signed 7/17/26
ARIZONA, U.S.A.

	NAME	DATE
DESIGN	M. SCHOEN	07/26
DRAWN	N. EKI BWANGOY	07/26
CHECKED	H. RIOS	07/26

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

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

GEOMETRIC CONTROL SHEETS

ROUTE
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	0000 YU YYU	YYU-0(225)T	9	37	

LOCATION AVENUE G, COUNTY 11TH ST - COUNTY 16TH ST

DWG GEO4

TRACS NO. T0437 01C

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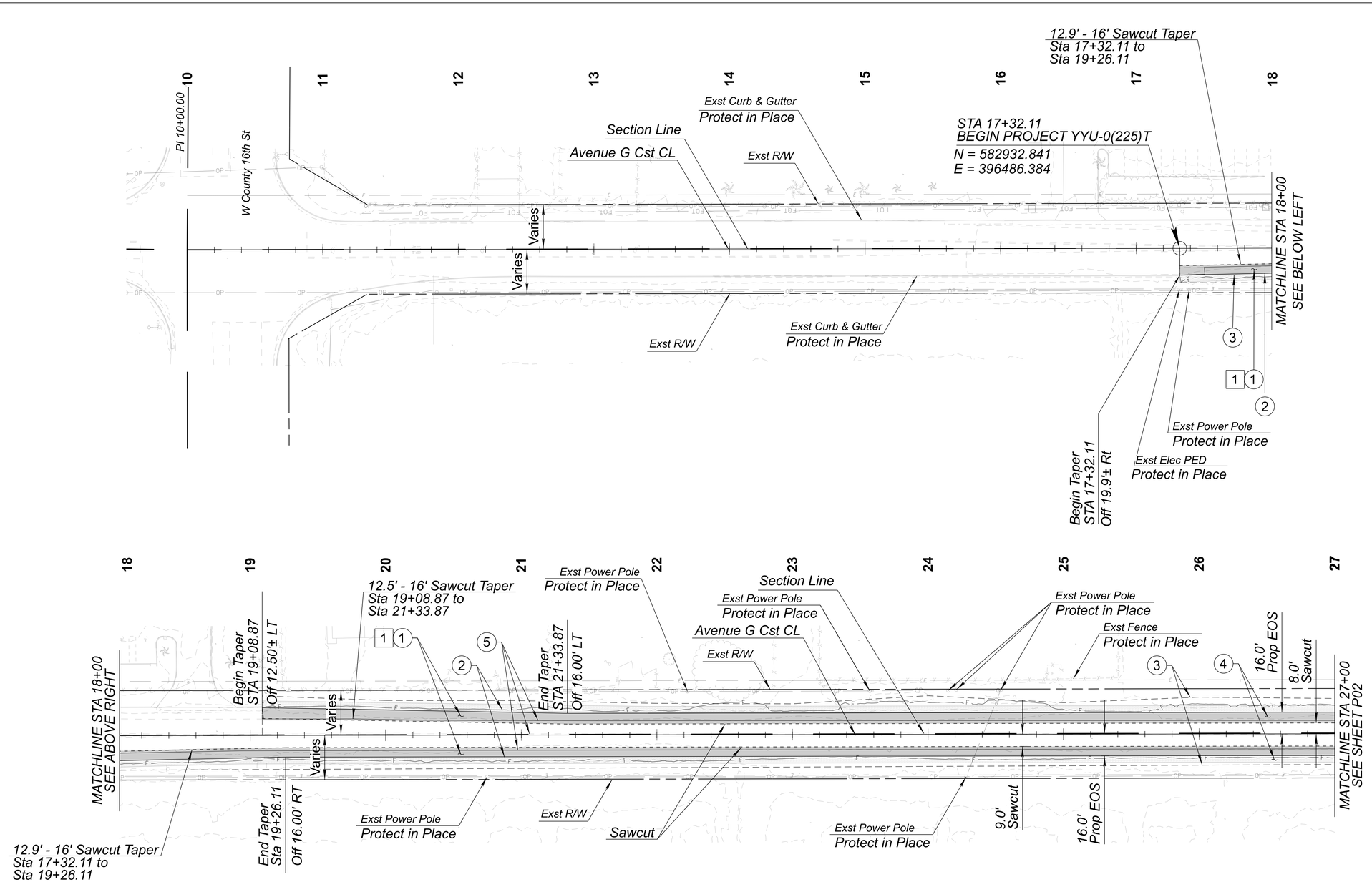

REMOVAL NOTES

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 Shoulder per DWG RS01

N

Registered Professional Engineer (Civil) CERTIFICATE NO. 70847 MICHAEL J SCHOEN Date Signed 7/17/26 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	M. SCHOEN	07/26
DRAWN	N. EKI BWANGOY	07/26
CHECKED	H. RIOS	07/26

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

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

PLAN SHEET
BEGIN TO 27+00

ROUTE
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division

STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	0000 YU YYU	YYU-0(225)T	10	37	

LOCATION AVENUE G, COUNTY 11TH ST - COUNTY 16TH ST

TRACS NO. T0437 01C

DWG P01

____ OF ____

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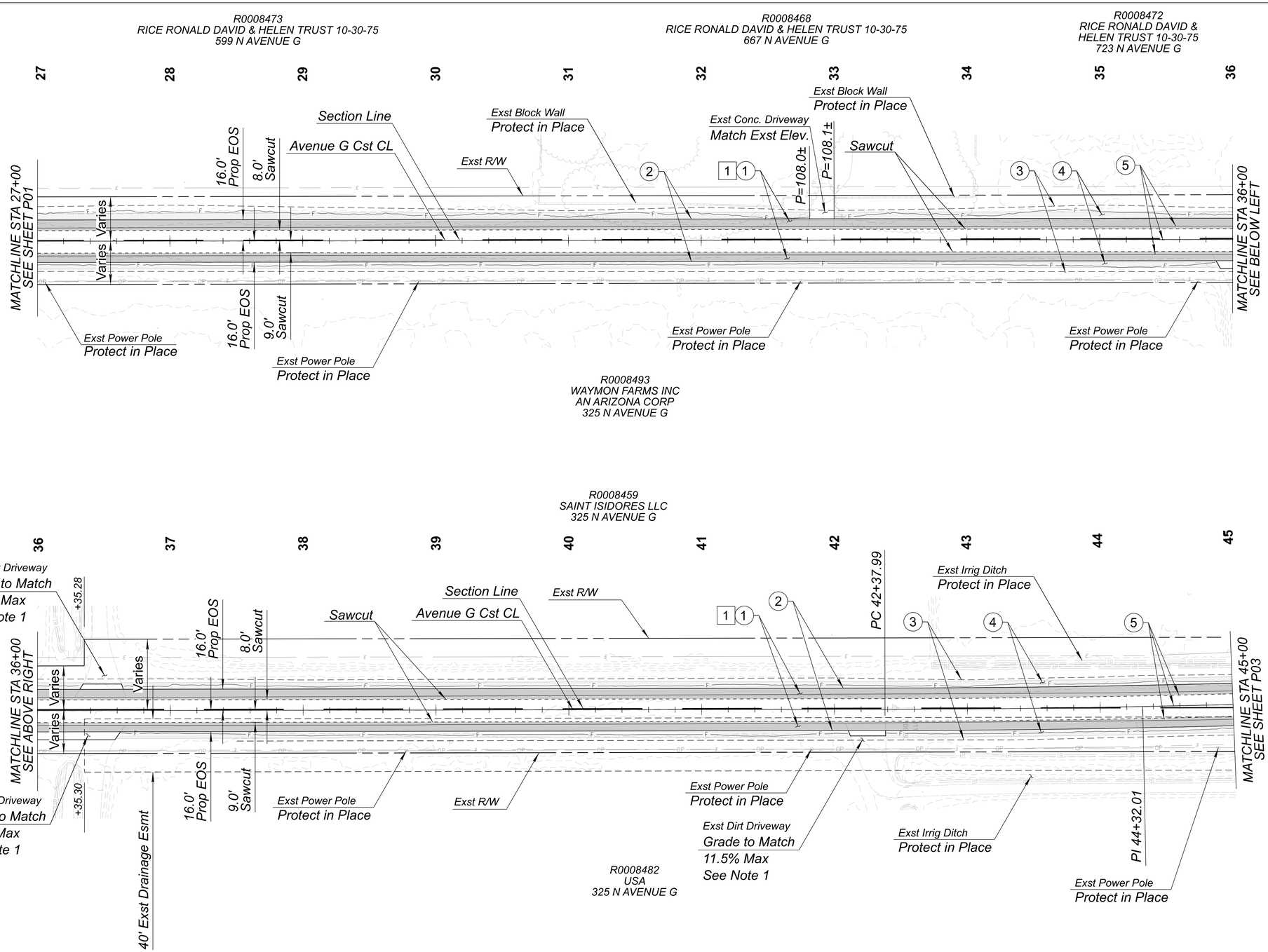

REMOVAL NOTES

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 Shoulder per DWG RS01

Notes:

1. Grading to be paid under Item 2030301

Registered Professional Engineer (Civil) CERTIFICATE NO. 70847 MICHAEL J SCHOEN Date Signed 7/17/26 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	M. SCHOEN	07/26
DRAWN	N. EKI BWANGOY	07/26
CHECKED	H. RIOS	07/26

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

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

PLAN SHEET
STA 27+00 TO 45+00

ROUTE
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division

STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	0000 YU YYU	YYU-0(225)T	11	37	

LOCATION AVENUE G, COUNTY 11TH ST - COUNTY 16TH ST

DWG P02

TRACS NO. T0437 01C

___ OF ___

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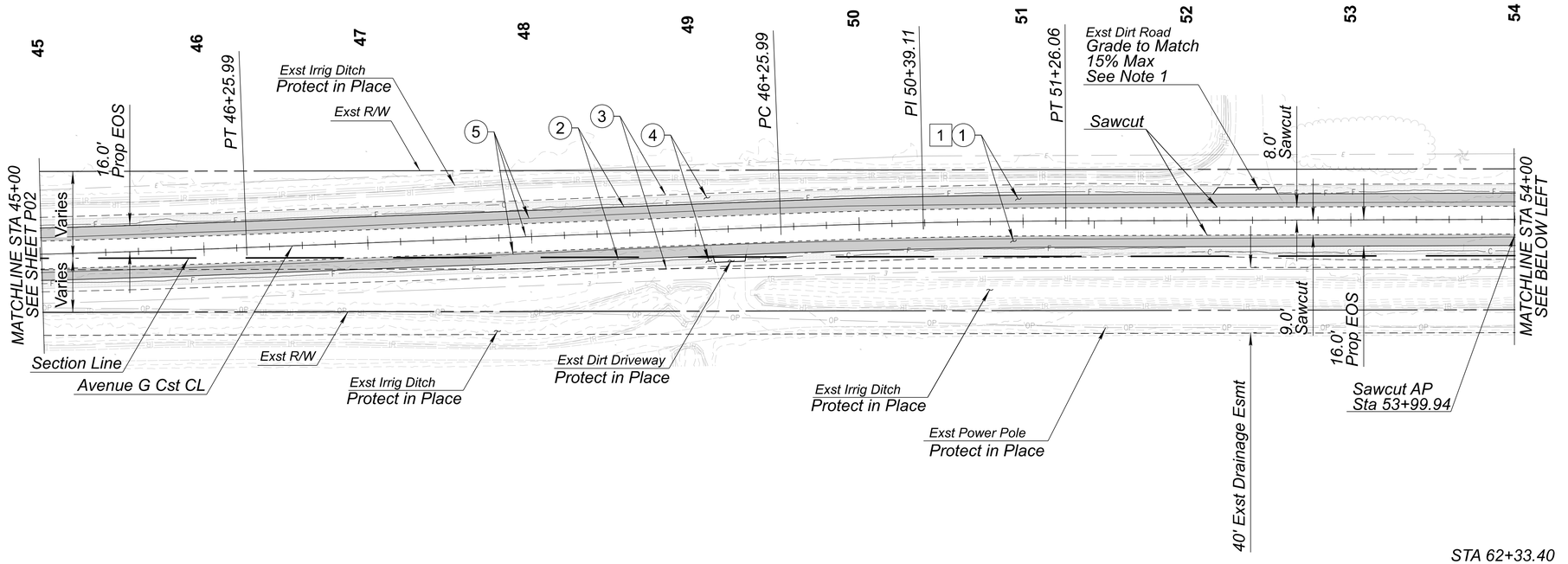
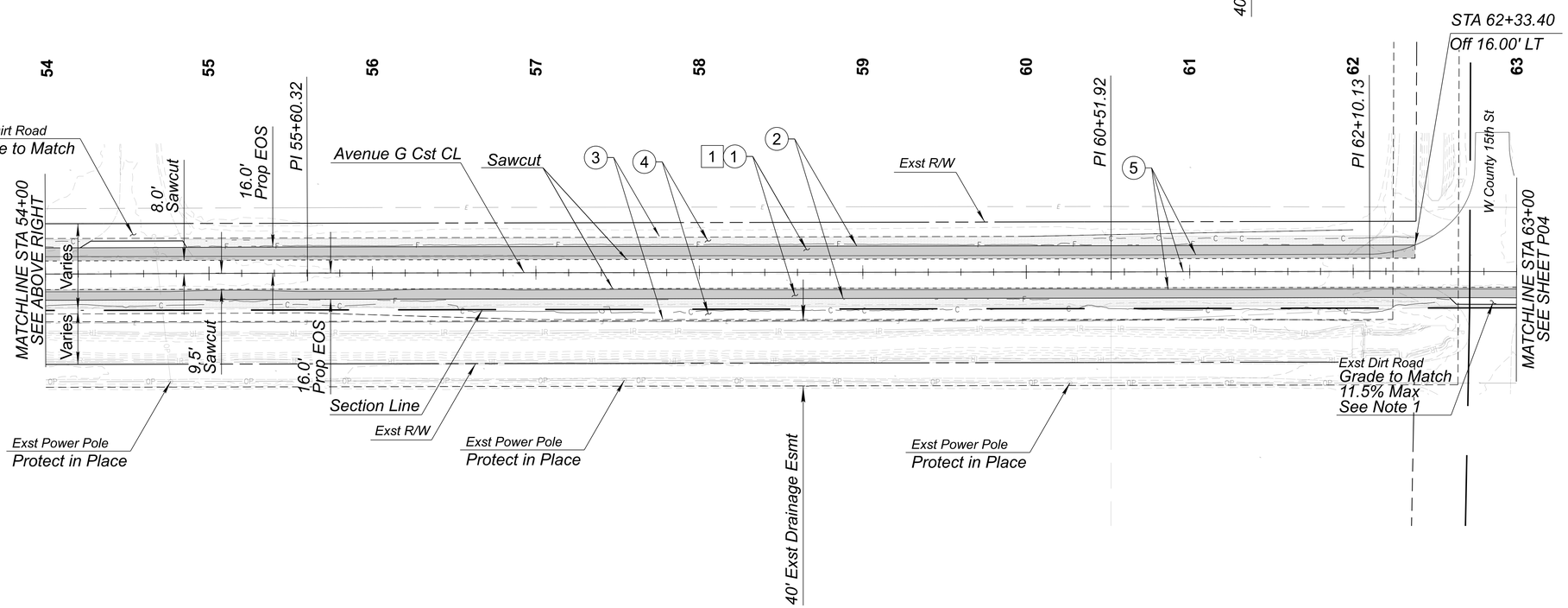




REMOVAL NOTES

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 Shoulder per DWG RS01

Notes:

1. Grading to be paid under Item 2030301

Registered Professional Engineer (Civil) CERTIFICATE NO. 70847 MICHAEL J SCHOEN Date Signed 7/7/26 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	M. SCHOEN	07/26
DRAWN	N. EKI BWANGOY	07/26
CHECKED	H. RIOS	07/26

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

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

PLAN SHEET
STA 45+00 TO 63+00

ROUTE
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division

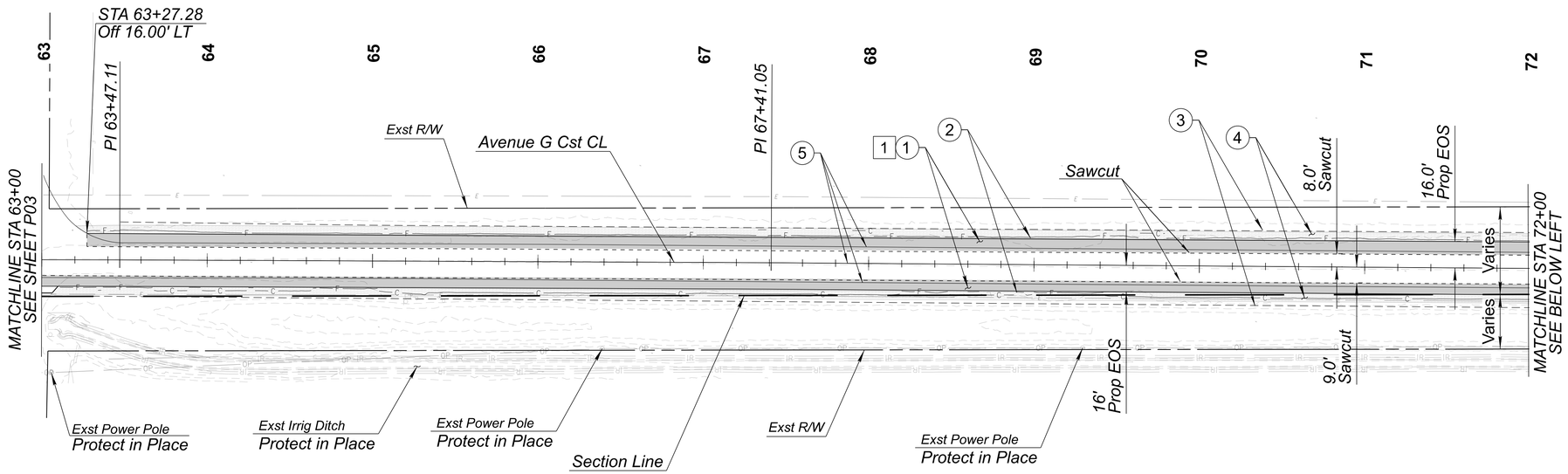
STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	0000 YU YYU	YYU-0(225)T	12	37	

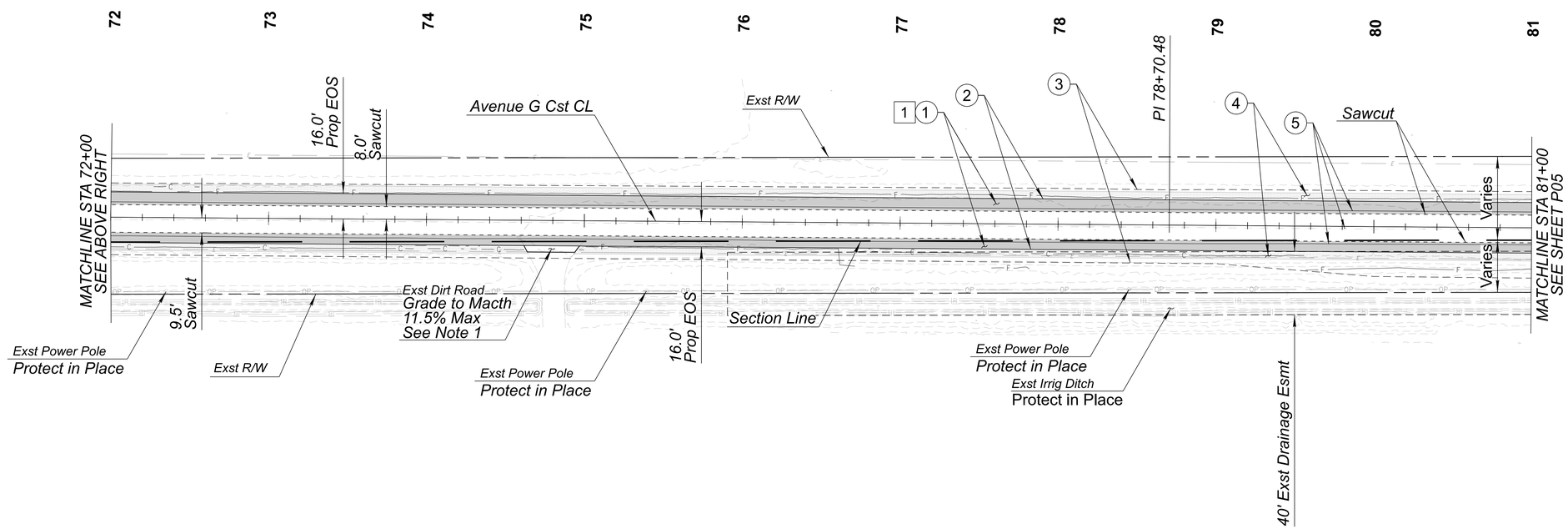
LOCATION AVENUE G, COUNTY 11TH ST - COUNTY 16TH ST

DWG P03

TRACS NO. T0437 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
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 Shoulder per DWG RS01

Notes:

1. Grading to be paid under Item 2030301

	NAME	DATE
DESIGN	M. SCHOEN	07/26
DRAWN	N. EKI BWANGOY	07/26
CHECKED	H. RIOS	07/26

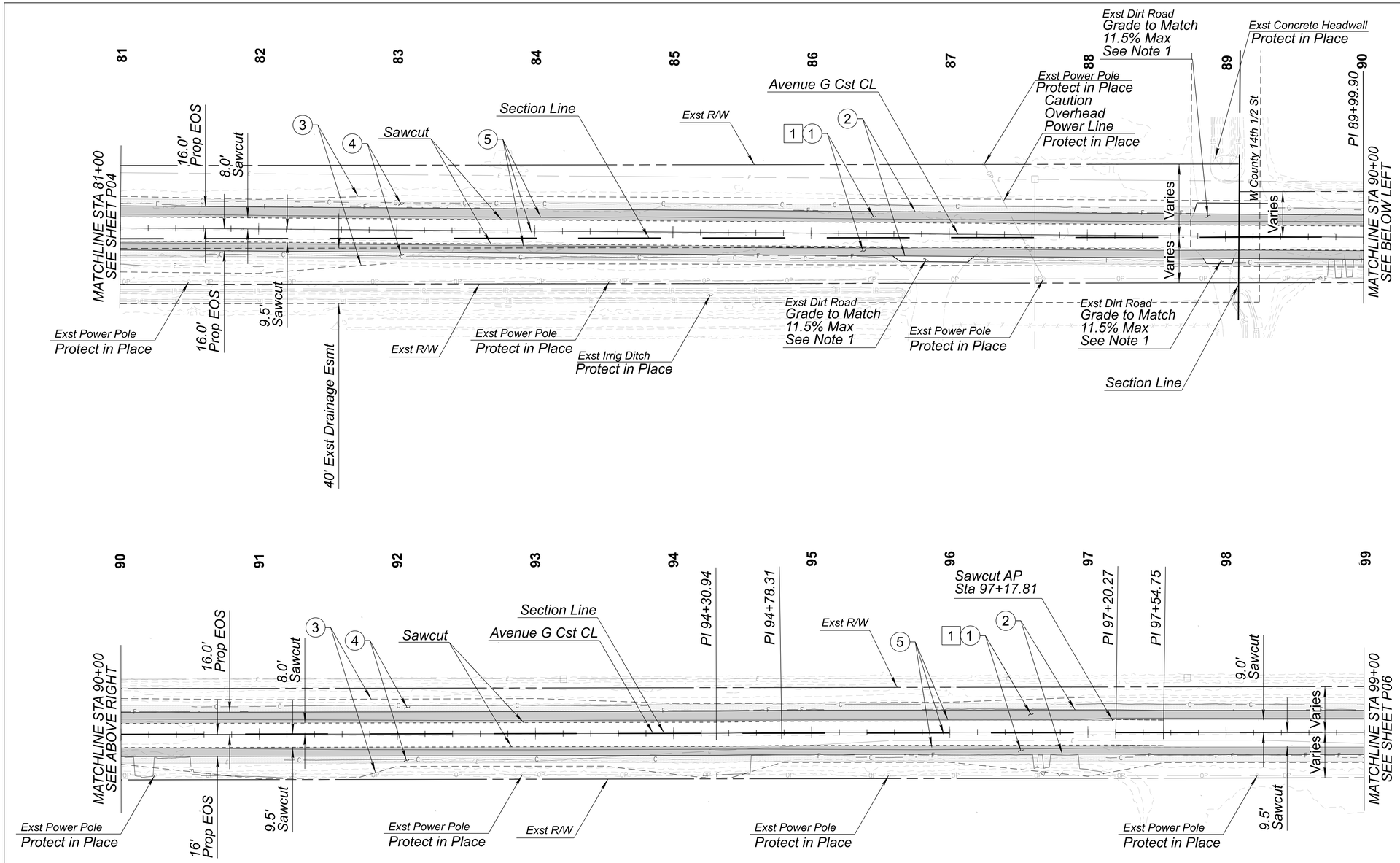
Registered Professional Engineer (Civil) CERTIFICATE NO. 70847 MICHAEL J. SCHOEN Date Signed 7/17/26 ARIZONA, U.S.A.

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

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

PLAN SHEET
63+00 to 81+00

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(225)T	13	37	
STRUCTURE NO.	LOCATION: AVENUE G, COUNTY 11TH ST - COUNTY 16TH ST					DWG	P04
	TRACS NO. T0437 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
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 Shoulder per DWG RS01

Notes:

1. Grading to be paid under Item 2030301

Registered Professional Engineer (Civil) CERTIFICATE NO. 708.47 MICHAEL J SCHOEN Date Signed 7/17/26 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	M. SCHOEN	07/26
DRAWN	N. EKI BWANGOY	07/26
CHECKED	H. RIOS	07/26

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

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

PLAN SHEET
STA 81+00 TO 99+00

ROUTE
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division

STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	0000 YU YYU	YYU-0(225)T	14	37	

LOCATION AVENUE G, COUNTY 11TH ST - COUNTY 16TH ST

DWG P05

TRACS NO. T0437 01C

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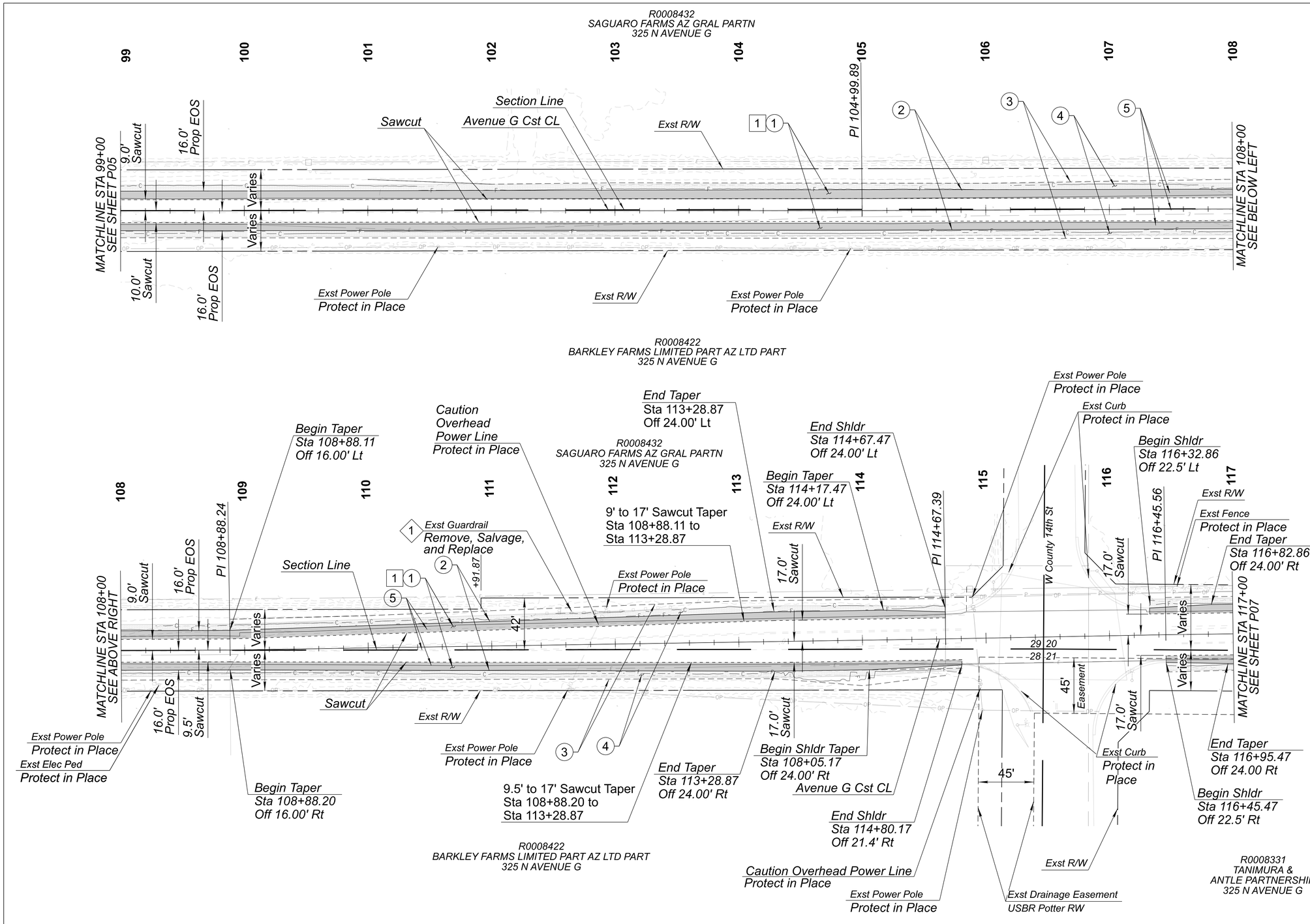

REMOVAL NOTES

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 Shoulder per DWG RS01

Notes:

1. Deliver Salvaged Guardrail to:
   Yuma County Public Works Department
   4343 S Avenue 6 1/2E,
   Yuma, Az 85365

Registered Professional Engineer (Civil) CERTIFICATE NO. 70847 MICHAEL J SCHOEN Date Signed 7/17/26 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	M. SCHOEN	07/26
DRAWN	N. EKI BWANGOY	07/26
CHECKED	H. RIOS	07/26

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

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

PLAN SHEET
STA 99+00 TO 117+00

ROUTE
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division

STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	0000 YU YYU	YYU-0(225)T	15	37	

LOCATION AVENUE G, COUNTY 11TH ST - COUNTY 16TH ST

DWG P06

TRACS NO. T0437 01C

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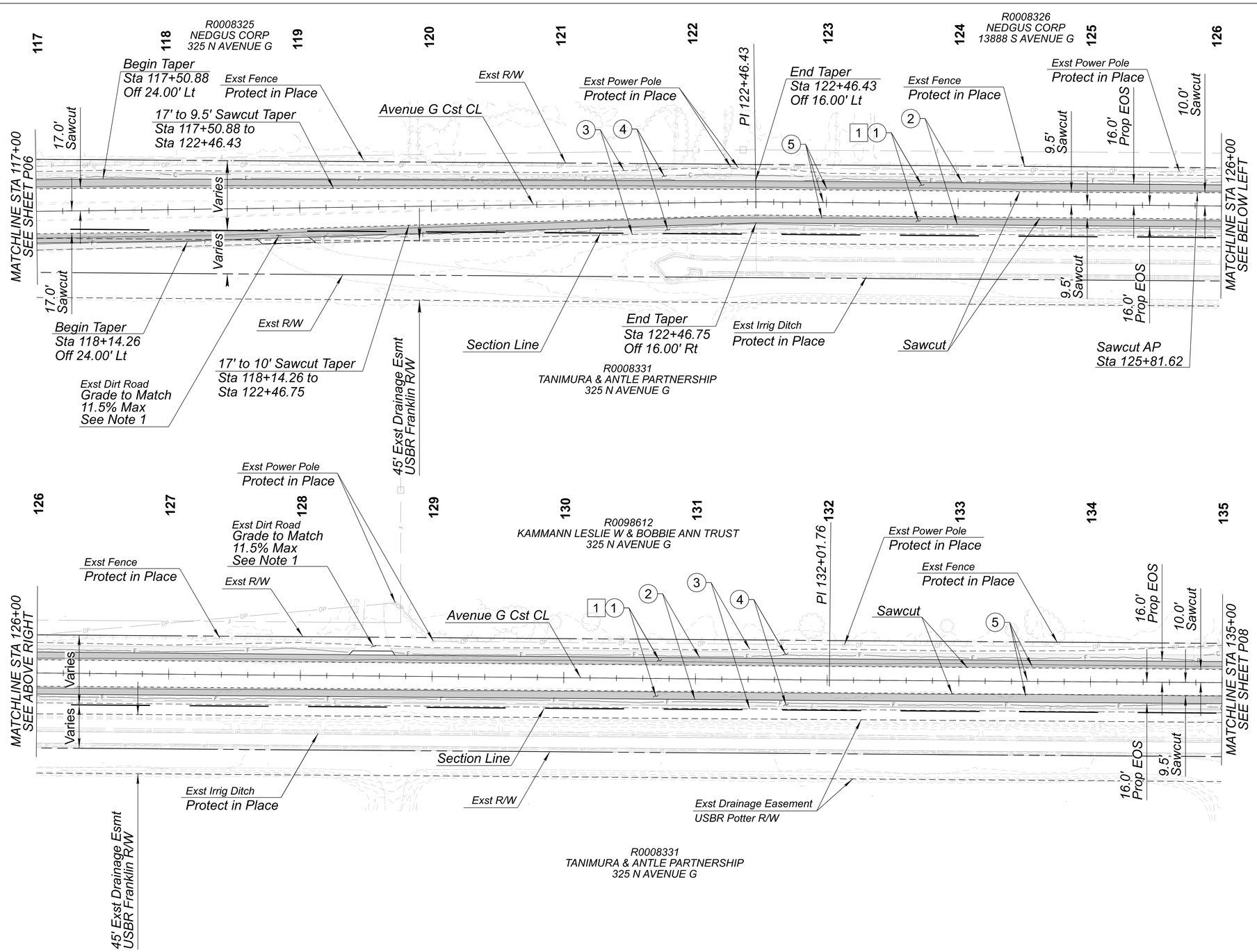


REMOVAL NOTES

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 Shoulder per DWG RS01

Notes:

1. Grading to be paid under Item 2030301

Registered Professional Engineer (Civil) CERTIFICATE NO. 70847 MICHAEL J SCHOEN Date Signed 7/1/26 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	M. SCHOEN	07/26
DRAWN	N. EKI BWANGOY	07/26
CHECKED	H. RIOS	07/26

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

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

PLAN SHEET
STA 117+00 to 135+00

ROUTE
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division

STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	0000 YU YYU	YYU-0(225)T	16	37	

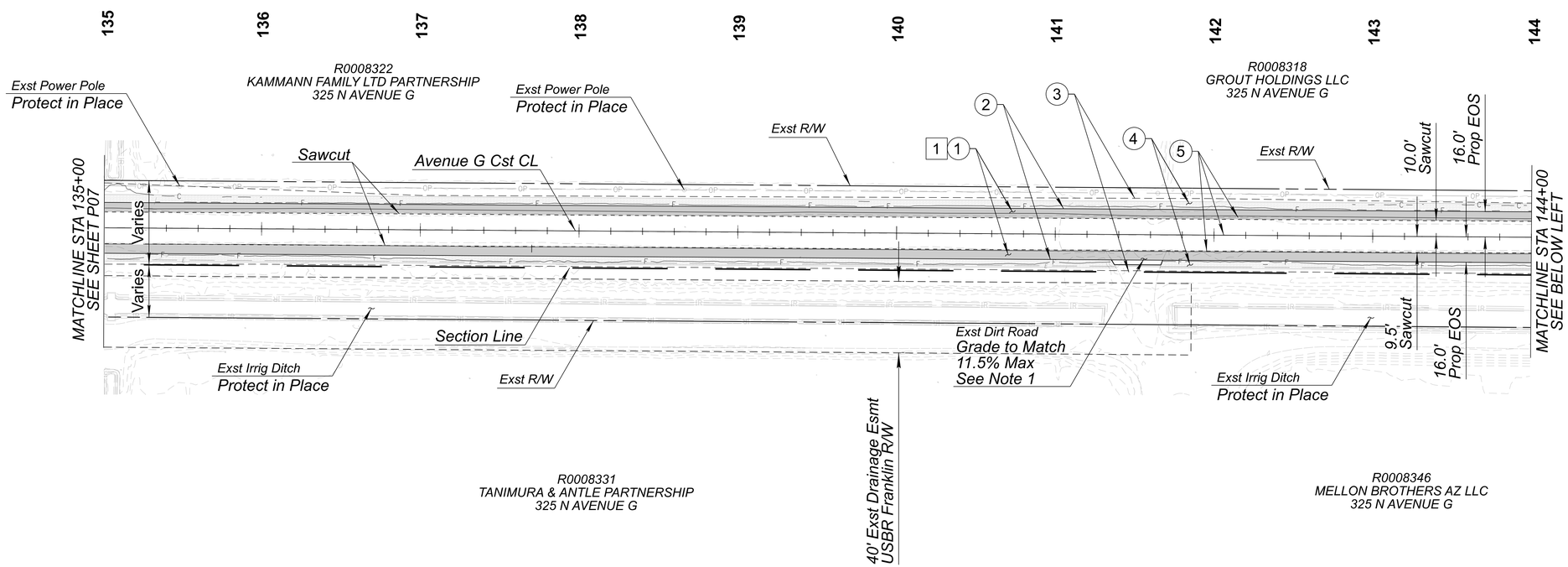
LOCATION AVENUE G, COUNTY 11TH ST - COUNTY 16TH ST

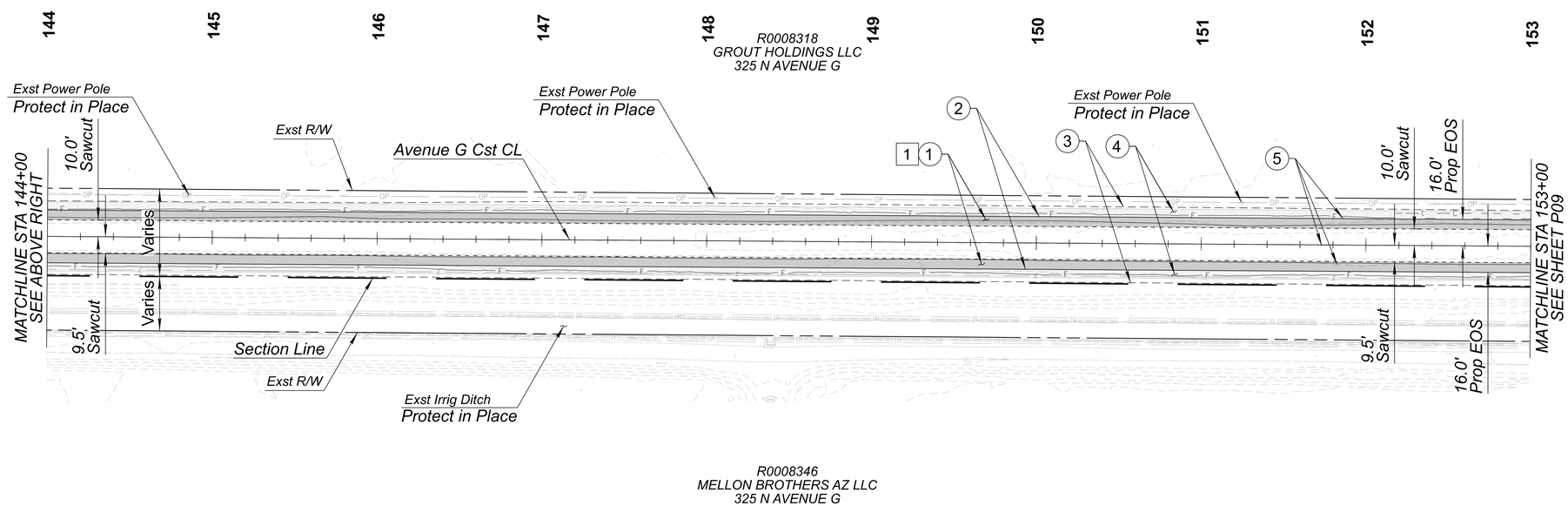
DWG P07

TRACS NO. T0437 01C

____ OF____

USPE715257 6/11/2026 11:14:34 AM c:\bms\wsp-us-pw-az\dms03737\T0437-P07.dgn \ Model Name: T0347-P01





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 Shoulder per DWG RS01

Notes:

1. Grading to be paid under Item 2030301

N

Registered Professional Engineer (Civil) CERTIFICATE NO. 708447 MICHAEL J SCHOEN Date Signed 7/17/26 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	M. SCHOEN	07/26
DRAWN	N. EKI BWANGOY	07/26
CHECKED	H. RIOS	07/26

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

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

PLAN SHEET
STA 135+00 TO 153+00

ROUTE
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division

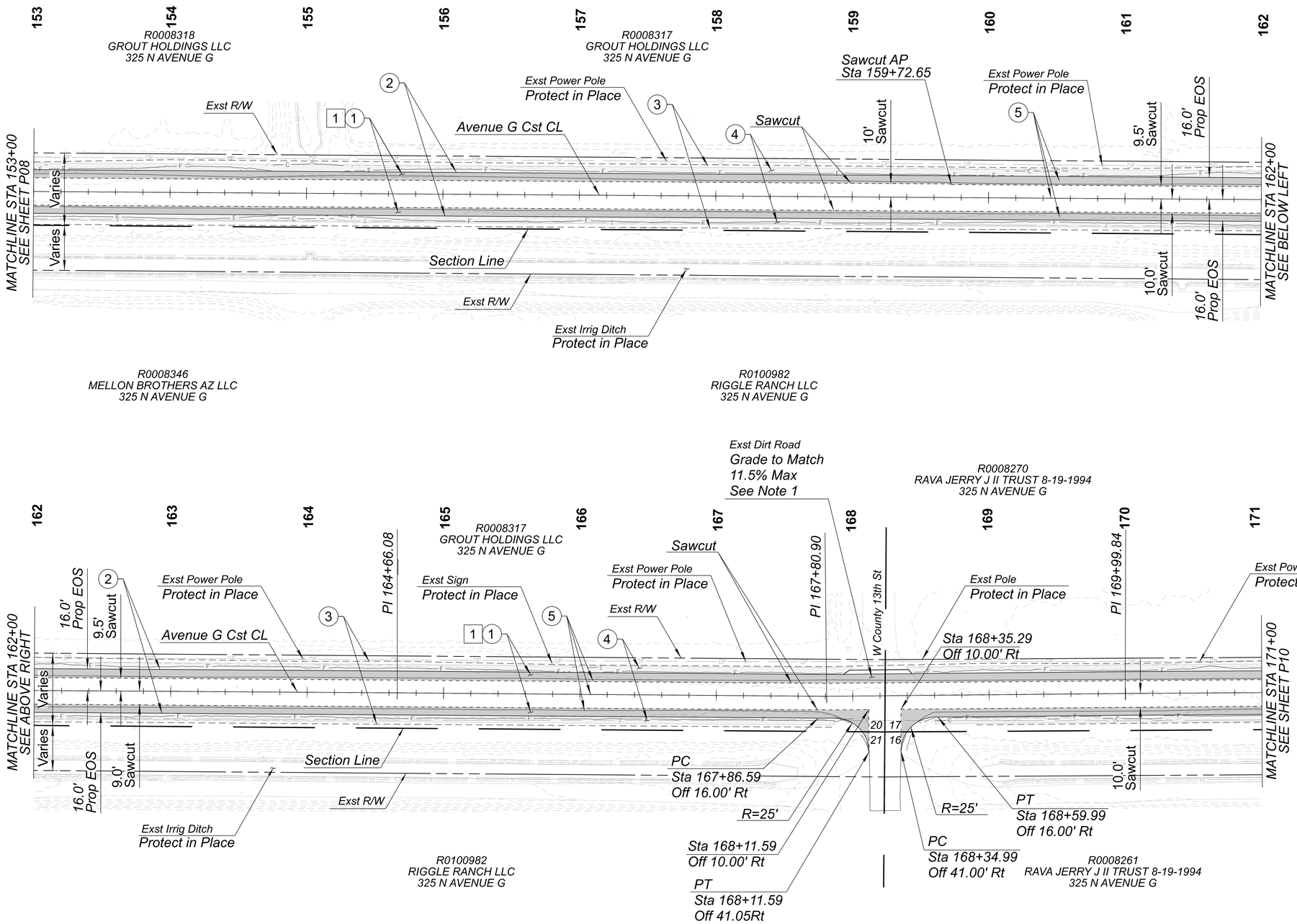
STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	0000 YU YYU	YYU-0(225)T	17	37	

LOCATION AVENUE G, COUNTY 11TH ST - COUNTY 16TH ST

DWG P08

TRACS NO. T0437 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
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 Shoulder per DWG RS01

Notes:

1. Grading to be paid under Item 2030301

Registered Professional Engineer (Civil) CERTIFICATE NO. 70847 MICHAEL J SCHOEN Date Signed 7/17/26 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	M. SCHOEN	07/26
DRAWN	N. EKI BWANGOY	07/26
CHECKED	H. RIOS	07/26

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

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

PLAN SHEET
STA 153+00 TO 171+00

ROUTE
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division

STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	0000 YU YYU	YYU-0(225)T	18	37	

LOCATION AVENUE G, COUNTY 11TH ST - COUNTY 16TH ST

DWG P09

TRACS NO. T0437 01C

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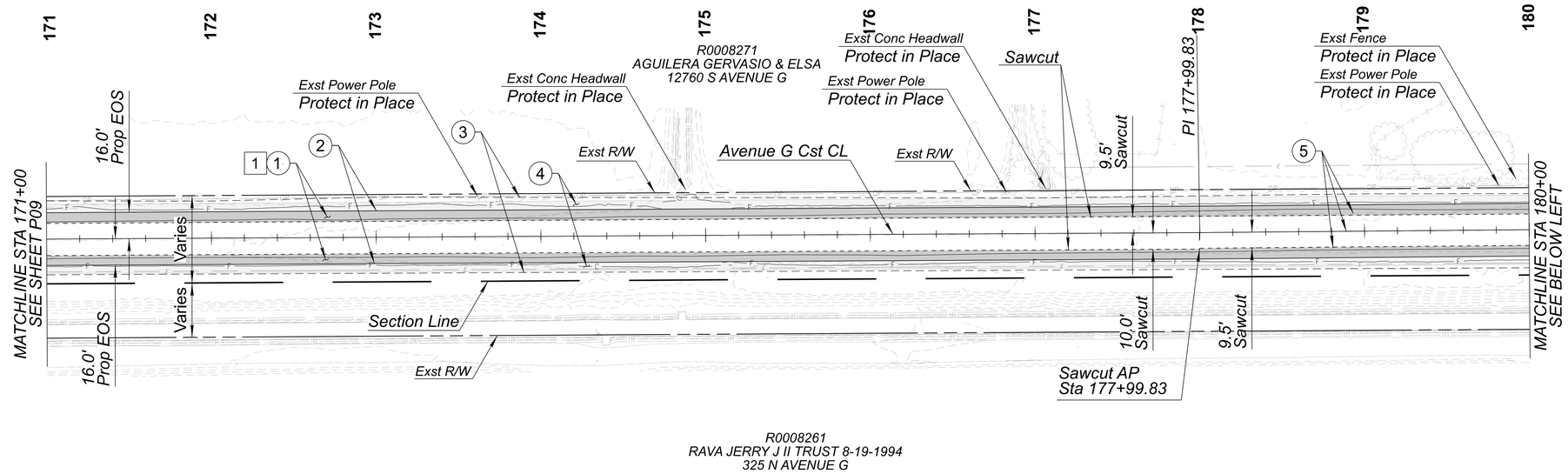
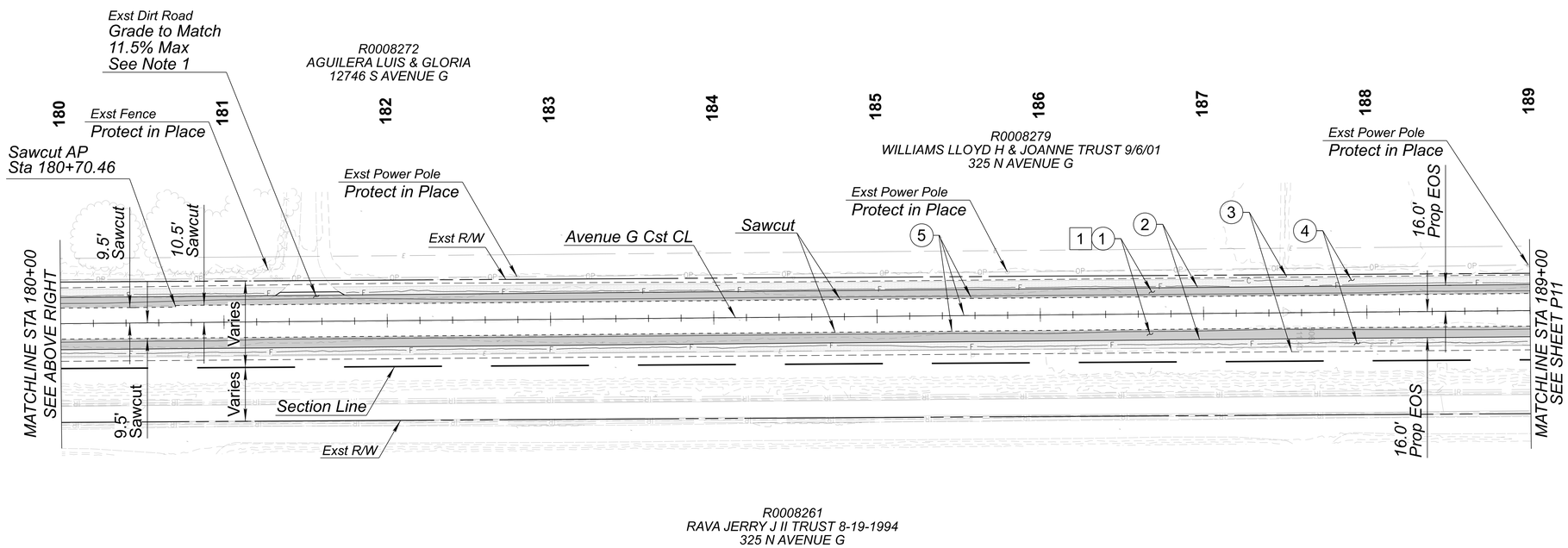
USMS718926 7/16/2026 12:17:46 PM c:\bms\wsp-us-pw-az\dms03737\T0437-P09.dgn \ Model Name: T0347-P01





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 Shoulder per DWG RS01

Notes:

1. Grading to be paid under Item 2030301

Registered Professional Engineer (Civil) CERTIFICATE NO. 70847 MICHAEL J SCHOEN Date Signed 7/17/26 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	M. SCHOEN	07/26
DRAWN	N. EKI BWANGOY	07/26
CHECKED	H. RIOS	07/26

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

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

PLAN SHEET
STA 171+00 TO 189+00

ROUTE
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division

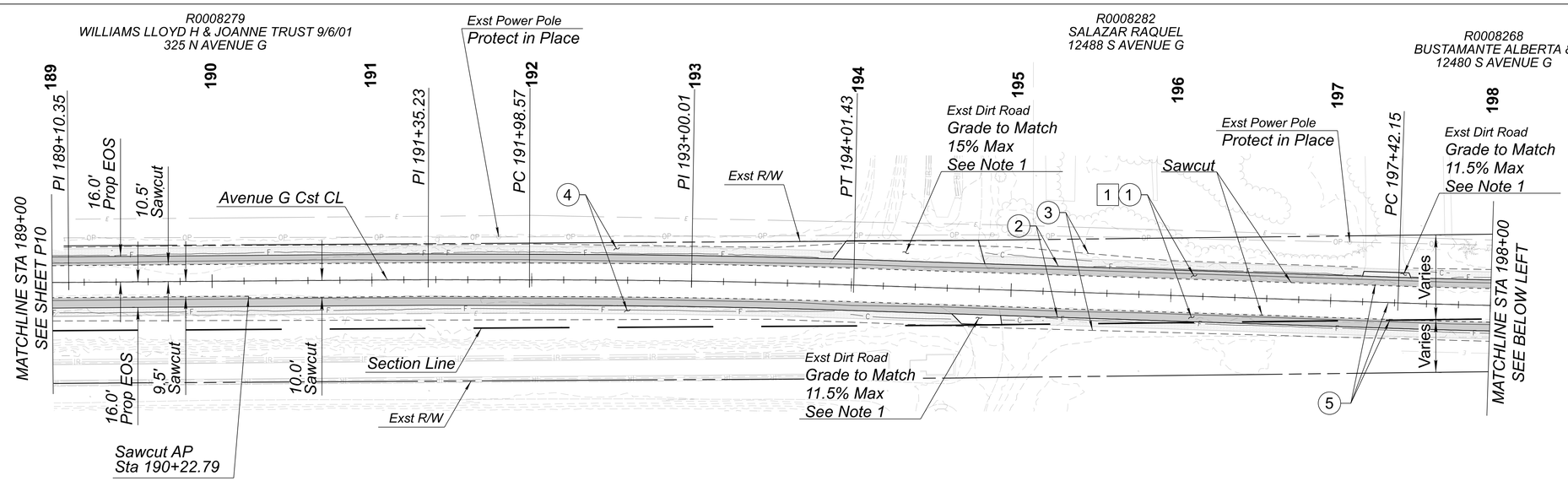
STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	0000 YU YYU	YYU-0(225)T	19	37	

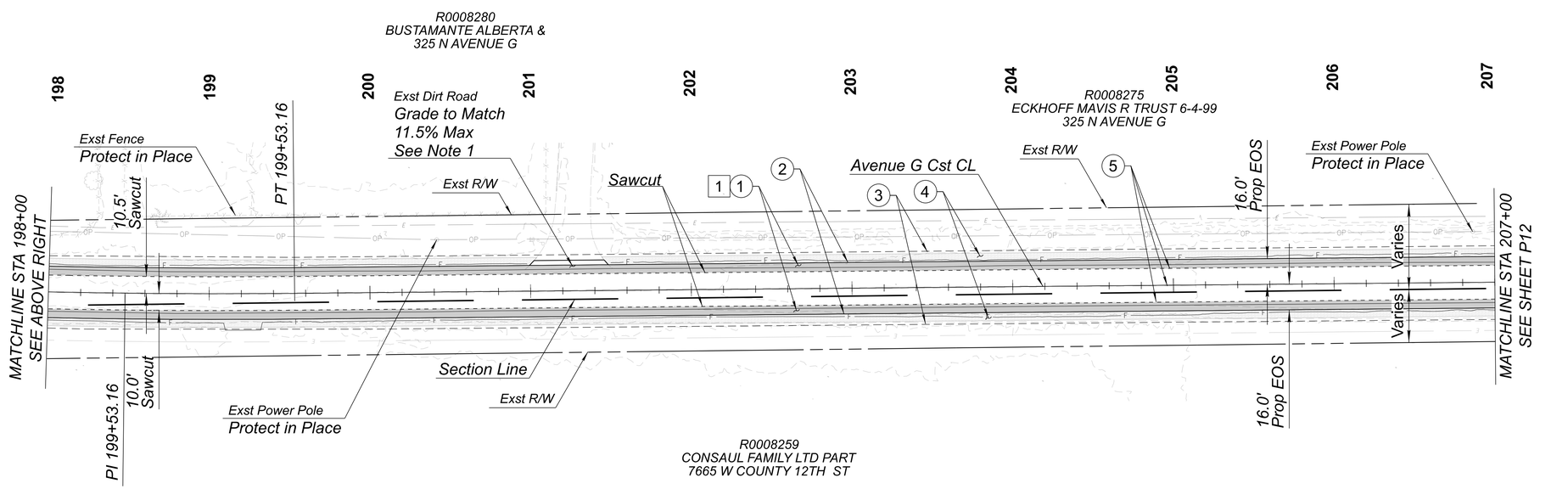
LOCATION AVENUE G, COUNTY 11TH ST - COUNTY 16TH ST

DWG P10

TRACS NO. T0437 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
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 Shoulder per DWG RS01

Notes:

1. Grading to be paid under Item 2030301

Registered Professional Engineer (Civil) CERTIFICATE NO. 70847 MICHAEL J SCHOEN Date Signed 7/17/26 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	M. SCHOEN	07/26
DRAWN	N. EKI BWANGOY	07/26
CHECKED	H. RIOS	07/26

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

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

PLAN SHEET
STA 189+00 TO 207+00

ROUTE
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division

STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	0000 YU YYU	YYU-0(225)T	20	37	

LOCATION AVENUE G, COUNTY 11TH ST - COUNTY 16TH ST

DWG P11

TRACS NO. T0437 01C

____ OF ____

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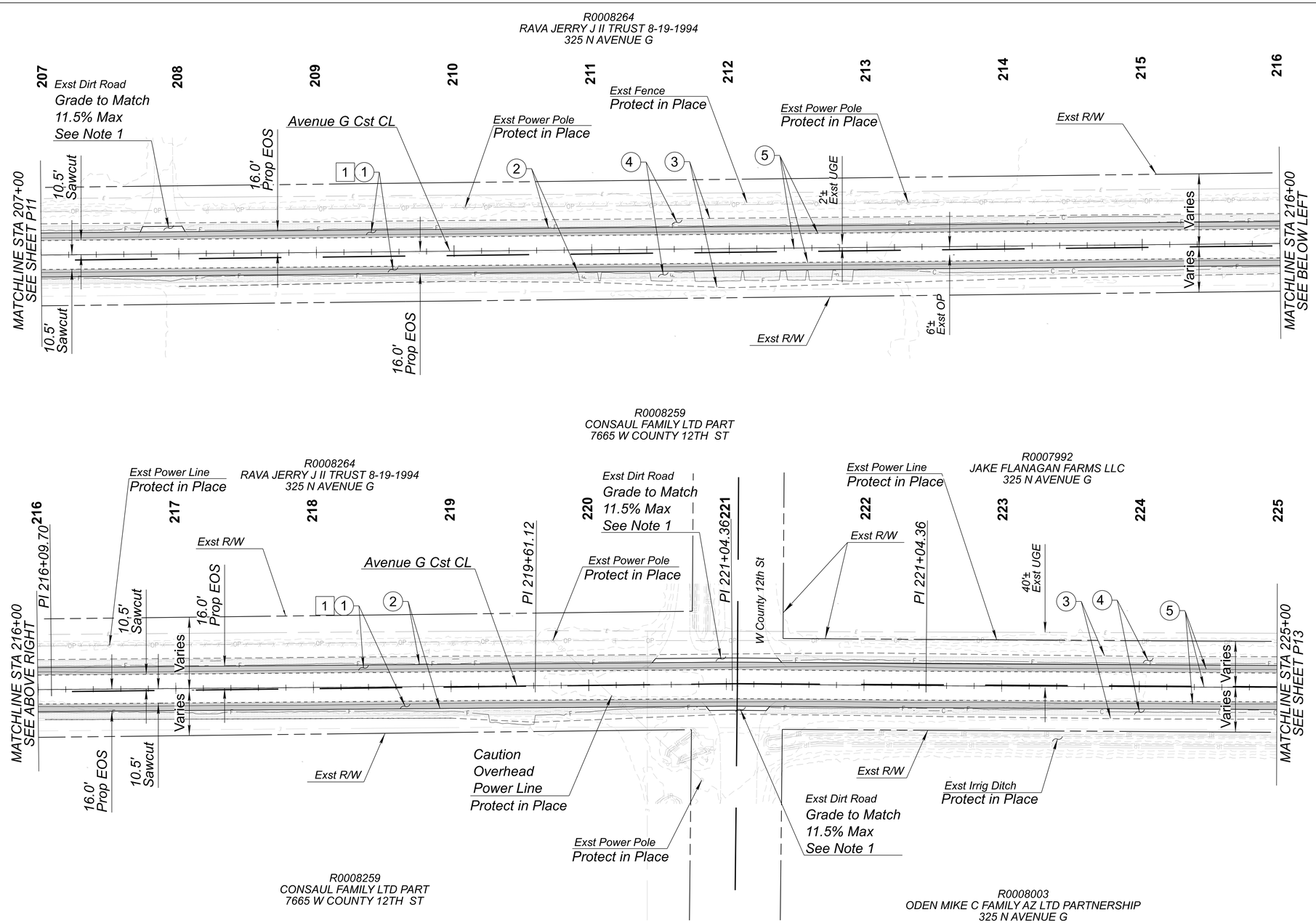


REMOVAL NOTES

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 Shoulder per DWG RS01

Notes:

1. Grading to be paid under Item 2030301

Registered Professional Engineer (Civil) CERTIFICATE NO. 70847 MICHAEL J. SCHOEN Date Signed 7/17/26 ARIZONA, U.S.A.

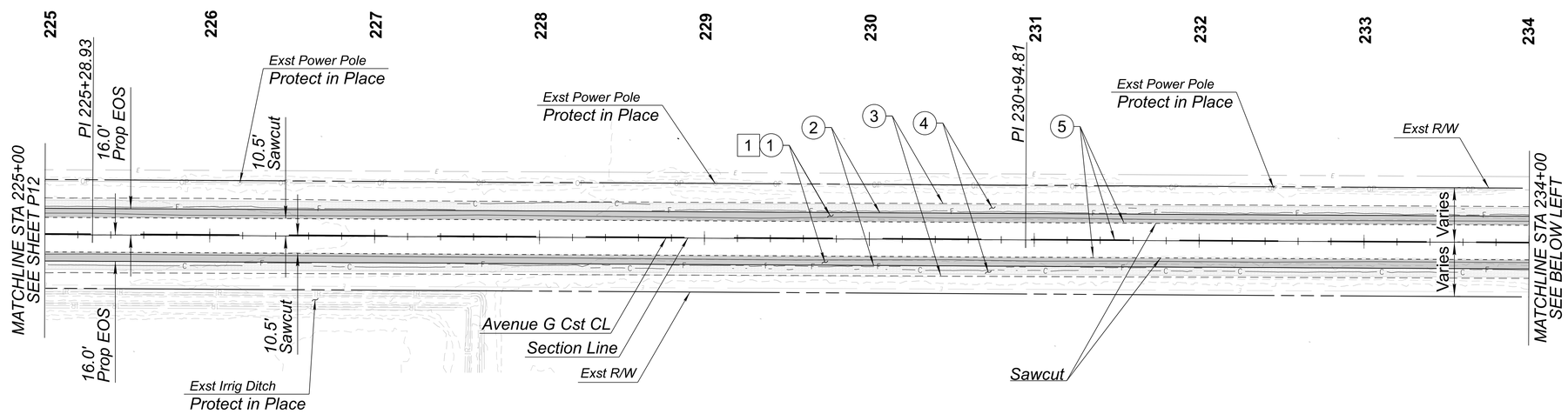
	NAME	DATE
DESIGN	M. SCHOEN	07/26
DRAWN	N. EKI BWANGOY	07/26
CHECKED	H. RIOS	07/26

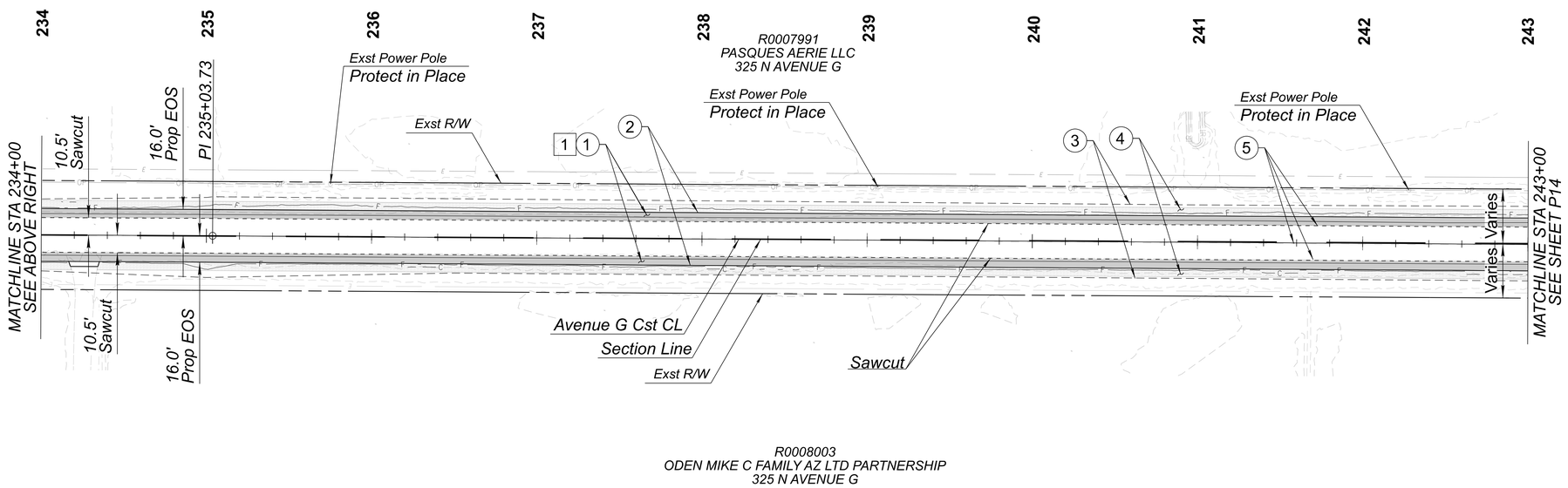
WSP USA Inc.
1230 West Washington Street, Suite 600
Tempe, AZ 85288

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

PLAN SHEET
STA 207+00 to 225+00

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(225)T	21	37	
STRUCTURE NO.	LOCATION: AVENUE G, COUNTY 11TH ST - COUNTY 16TH ST					DWG	P12
	TRACS NO. T0437 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
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 Shoulder per DWG RS01

Notes:

1. Grading to be paid under Item 2030301

Registered Professional Engineer (Civil) CERTIFICATE NO. 70847 MICHAEL J SCHOEN Date Signed 7/17/26 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	M. SCHOEN	07/26
DRAWN	N. EKI BWANGOY	07/26
CHECKED	H. RIOS	07/26

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

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

PLAN SHEET
STA 225+00 TO 243+00

ROUTE
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division

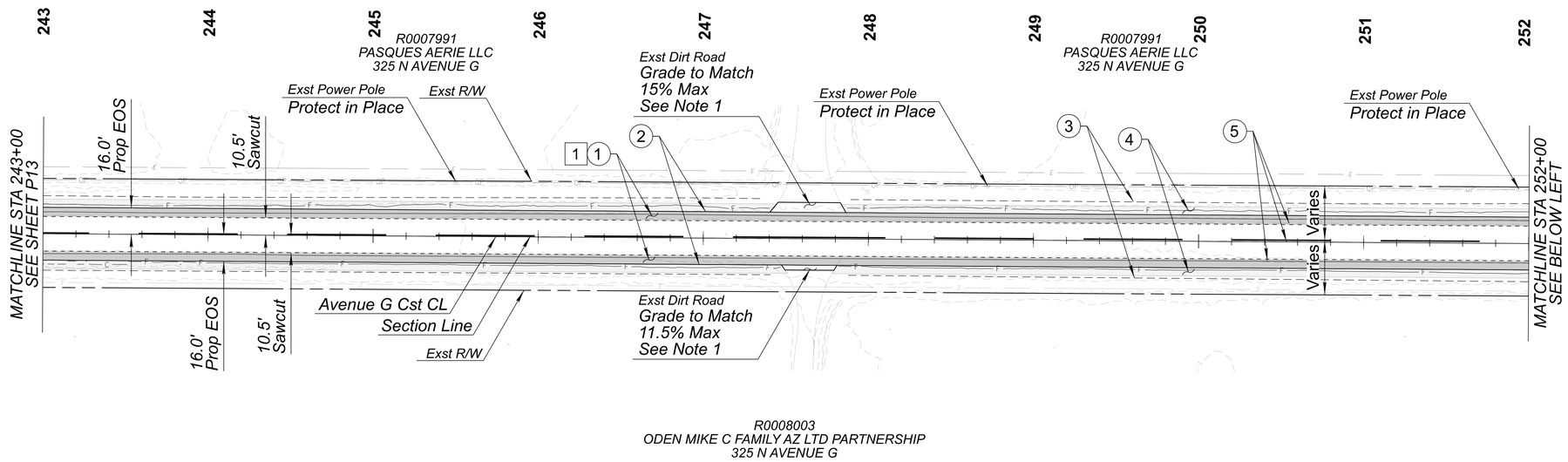
STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	0000 YU YYU	YYU-0(225)T	22	37	

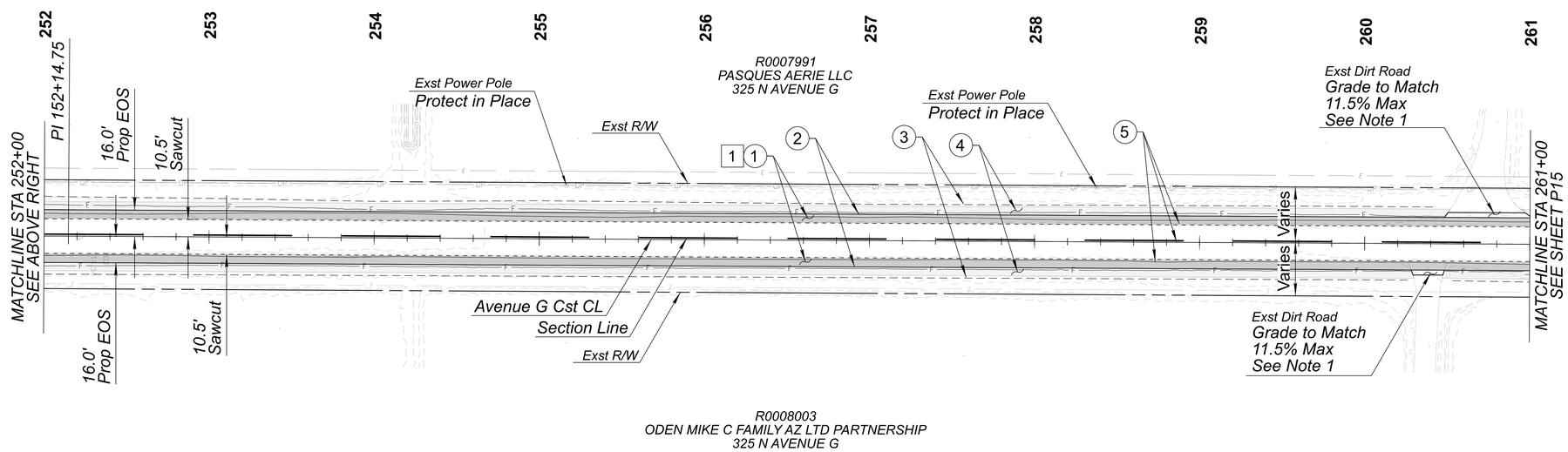
LOCATION AVENUE G, COUNTY 11TH ST - COUNTY 16TH ST

DWG P13

TRACS NO. T0437 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
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 Shoulder per DWG RS01

Notes:

1. Grading to be paid under Item 2030301

N

Registered Professional Engineer (Civil) CERTIFICATE NO. 70847 MICHAEL J. SCHOEN Date Signed 7/1/26 ARIZONA, U.S.A.

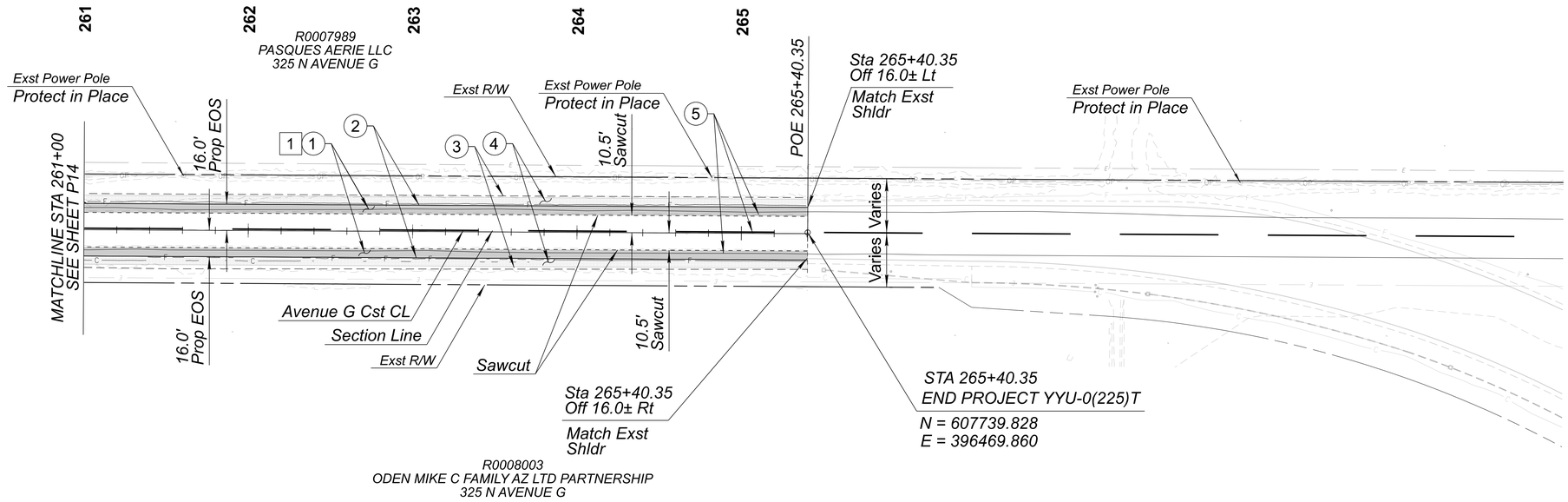
	NAME	DATE
DESIGN	M. SCHOEN	07/26
DRAWN	N. EKI BWANGOY	07/26
CHECKED	H. RIOS	07/26

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

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

PLAN SHEET
STA 243+00 TO 261+00

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(225)T	23	37	
STRUCTURE NO.	LOCATION: AVENUE G, COUNTY 11TH ST - COUNTY 16TH ST					DWG	P14
	TRACS NO. T0437 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
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 Shoulder per DWG RS01

Registered Professional Engineer (Civil) CERTIFICATE NO. 70847 MICHAEL J SCHOEN Date Signed 7/1/26 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	M. SCHOEN	07/26
DRAWN	N. EKI BWANGOY	07/26
CHECKED	H. RIOS	07/26

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

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

PLAN SHEET
STA 261+00 TO END

ROUTE
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division

STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	0000 YU YYU	YYU-0(225)T	24	37	

LOCATION AVENUE G, COUNTY 11TH ST - COUNTY 16TH ST

DWG P15

TRACS NO. T0437 01C

____ 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. *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.*

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

15. *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.*

16. *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.*

17. *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.*

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

19. *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.*

20. *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*

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

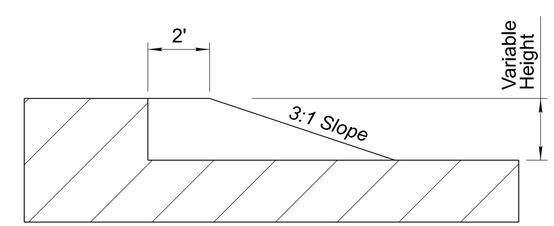
22. *An adequate number of Type III barricades shall be placed across each roadway to be closed. A 60x30 inch "ROAD CLOSED" sign, as appropriate, shall be attached to one of the Type III barricades closing the roadway. A Type A flashing warning light shall be mounted on each end of each Type III barricade.*

23. *All drawings are schematic only and not to scale.*

24. *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.*

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

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

Registered Professional Engineer (Civil) CERTIFICATE NO. 74347 WILLIAM GIL Date Signed 8/11/2026 ARIZONA, U.S.A.

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

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

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

TRAFFIC CONTROL NOTES

ROUTE
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	0000 YU YYU	YYU-0(225)T	25	37	

LOCATION AVENUE G, COUNTY 11TH ST - COUNTY 16TH ST

DWG MOT01

TRACS NO. T0437 01C

____ OF____

MAINTENANCE OF TRAFFIC FOR AVENUE G

ACTIVITY NO.	CONSTRUCTION ACTIVITY	TRAFFIC CONTROL	COMMENTS
1	Install advance warning signs	Maintain all existing travel lanes	Place Advance Warning Signs and Changeable Message Board 7 days in advance of construction
2	A) Construct SB&NB Shoulder between County 11th Street and County 13th Street B) Construct SB&NB Shoulder between County 13th Street and County 14th Street C) Construct SB&NB Shoulder between County 14th Street and County 15th Street D) Construct SB&NB Shoulder between County 15th Street and County 16th Street (US Route 95)	Activity 2A shall follow Detail A-A for a full closure Activity 2B shall follow Detail A-B for a full closure Activity 2C shall follow Detail A-C for a full closure Activity 2D shall follow Detail A-D for a full closure	The contractor shall fully close the roadway and maintain access for local traffic only.
3	A) Install SB&NB Rumble Strips between County 11th Street and County 13th Street B) Install SB&NB Rumble Strips between County 13th Street and County 14th Street C) Install SB&NB Rumble Strips between County 14th Street and County 15th Street D) Install SB&NB Rumble Strips between County 15th Street and County 16th Street (US Route 95)	Maintain two-way traffic using Detail B: Rumble Strip Installation Lane Shifts	Travel lanes shall be a minimum of 11 feet wide Activity 3A shall only be completed after Activity 2A is completed Activity 3B shall only be completed after Activity 2B is completed Activity 3C shall only be completed after Activity 2C is completed Activity 3D shall only be completed after Activity 2D is completed
4	Fog Coat SB&NB Shoulders after shoulder rumble strip construction is completed Obliterate Centerline striping. Fog coat pavement after obliteration Construct Centerline Rumble Strips	Maintain two-way traffic using MUTCD Typical Application 15	Fog Coat shall only be completed after Activity 2D is completed 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 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. Centerline markings shall be waterborne only. County to install thermoplastic at a later time.

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	10	4	3	3	
7015091	SPECIALTY SIGNS	SQ.FT.	80	672	0	0	0	0	752
7016030	BARRICADE (TYPE II, VERT. PANEL, TUBULAR MARKER)	EACH-DAY	280	1800	7440	990	0	574	11084
7016031	BARRICADE (TYPE III, HIGH LEVEL FLAG TREES)	EACH-DAY	0	180	0	8	0	0	188
7016033	PORTABLE SIGN STANDS (SPRING TYPE)	EACH-DAY	98	1620	440	48	24	132	2362
7016035	WARNING LIGHTS (TYPE A)	EACH-DAY	98	1620	440	48	24	132	2362
7016037	WARNING LIGHTS (TYPE C)	EACH-DAY	280	1800	7440	990	0	574	11084
7016050	TRUCK-MOUNTED ATTENUATOR	EACH-DAY	0	0	0	0	3	0	3
7016051	TEMPORARY SIGN (LESS THAN 10 S.F.)	EACH-DAY	0	180	280	0	0	36	496
7016052	TEMPORARY SIGN (10 S.F. OR MORE)	EACH-DAY	98	1566	160	24	12	48	1908
7016061	FLASHING ARROW PANEL	EACH-DAY	0	0	0	8	6	0	14
7016067	CHANGEABLE MESSAGE BOARD (CONTRACTOR FURNISHED)	EACH-DAY	28	180	20	0	0	6	234
7016071	PILOT VEHICLE WITH DRIVER	HOUR	0	0	0	0	0	24	24
7016075	FLAGGING SERVICES (CIVILIAN)	HOUR	0	0	0		0	48	48
7016082	FLAGGING SERVICES (LOCAL ENFORCEMENT OFFICER)(WITH AGENCY VEHICLE) HOUR	HOUR	0	0	0	0	0	48	48

Note: Activity Duration listed here does not include Mobilization, Wait Period for Final Striping and Demobilization.

Registered Professional Engineer (Civil) CERTIFICATE NO. 74347 WILLIAM GIL Date Signed 07/17/2026 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	W. GIL	07/26
DRAWN	W. GIL	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

MAINTENANCE OF TRAFFIC

ROUTE
MILEPOST
STRUCTURE NO.

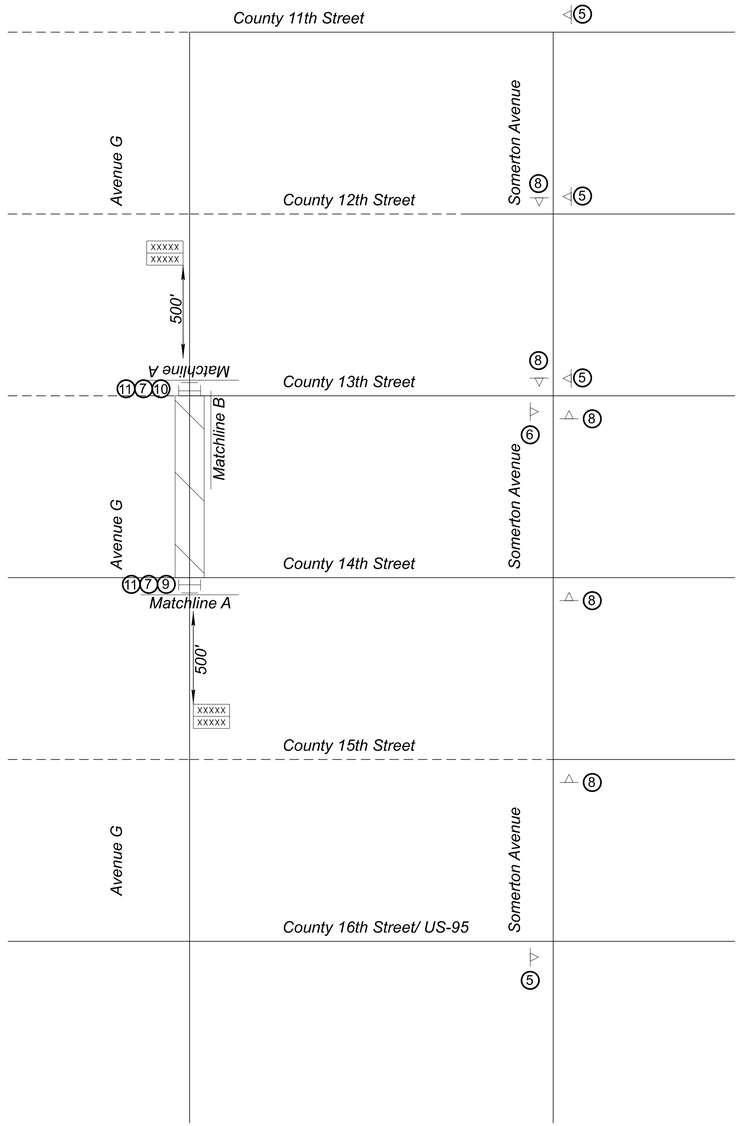
F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	0000 YU YYU	YYU-0(225)T	26	37	

LOCATION AVENUE G, COUNTY 11TH ST - COUNTY 16TH ST

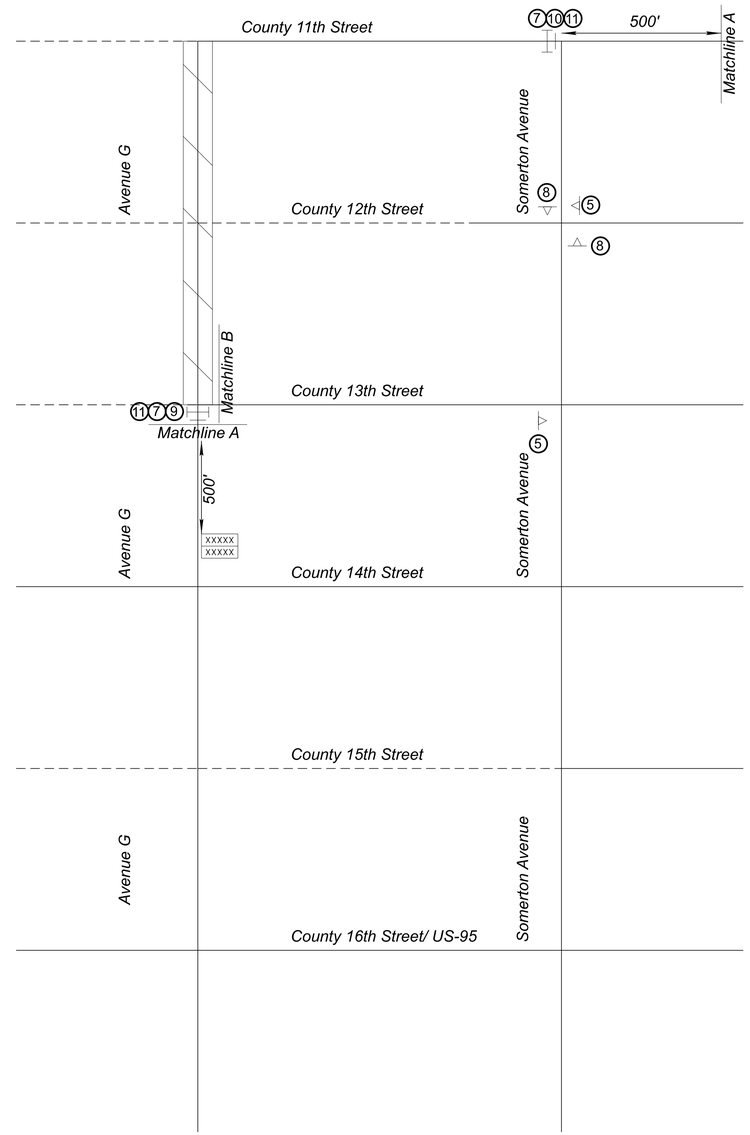
DWG MOT02

TRACS NO. T0437 01C

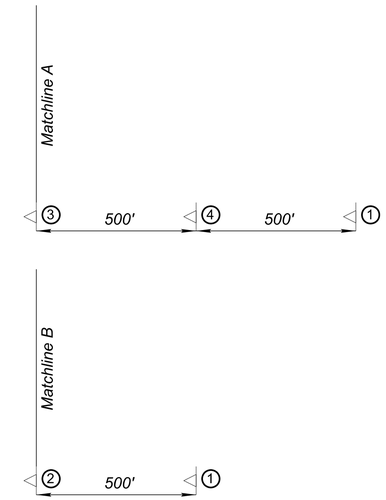
____ OF____

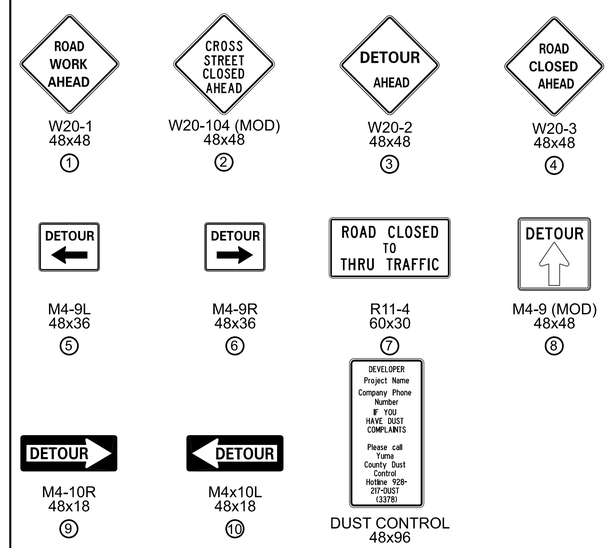


DETAIL A-B: Full Closure Between County 14th Street and County 13th Street



DETAIL A-A: Full Closure Between County 13th Street and County 11th Street





SYMBOL LEGEND:

	Sign on Spring Stand
	Sign on Type III Barricade
	Dirt Road
	Work Zone
XXXXX XXXXX	Changeable Message Board

Registered Professional Engineer (Civil) CERTIFICATE NO. 74347 WILLIAM GIL Date Signed 07/17/2026 ARIZONA, U.S.A.

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

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

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

MAINTENANCE OF TRAFFIC

ROUTE
MILEPOST
STRUCTURE NO.

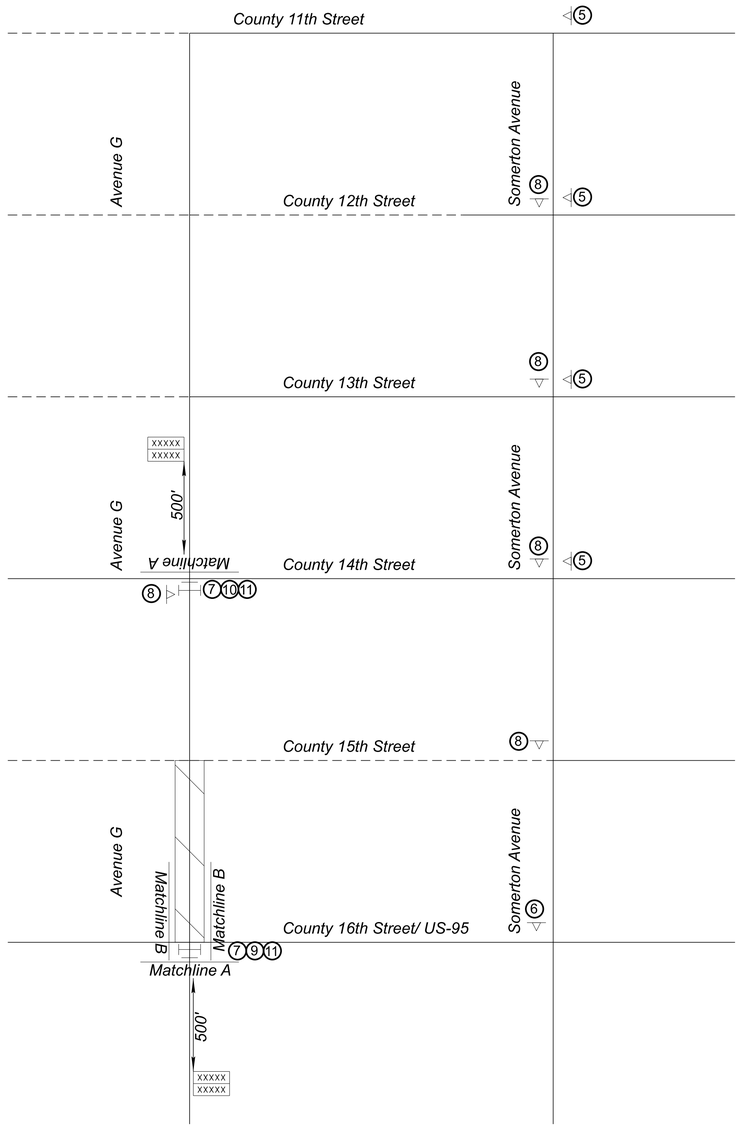
F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	0000 YU YYU	YYU-0(225)T	27	37	

LOCATION AVENUE G, COUNTY 11TH ST - COUNTY 16TH ST

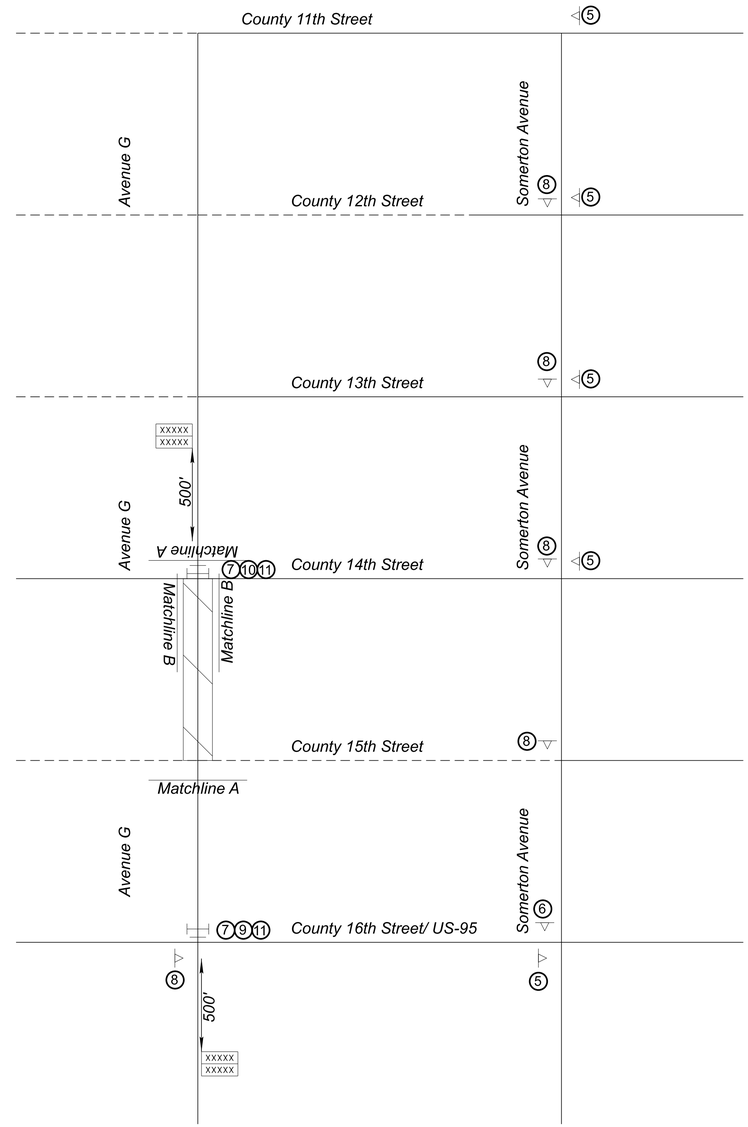
DWG MOT03

TRACS NO. T0437 01C

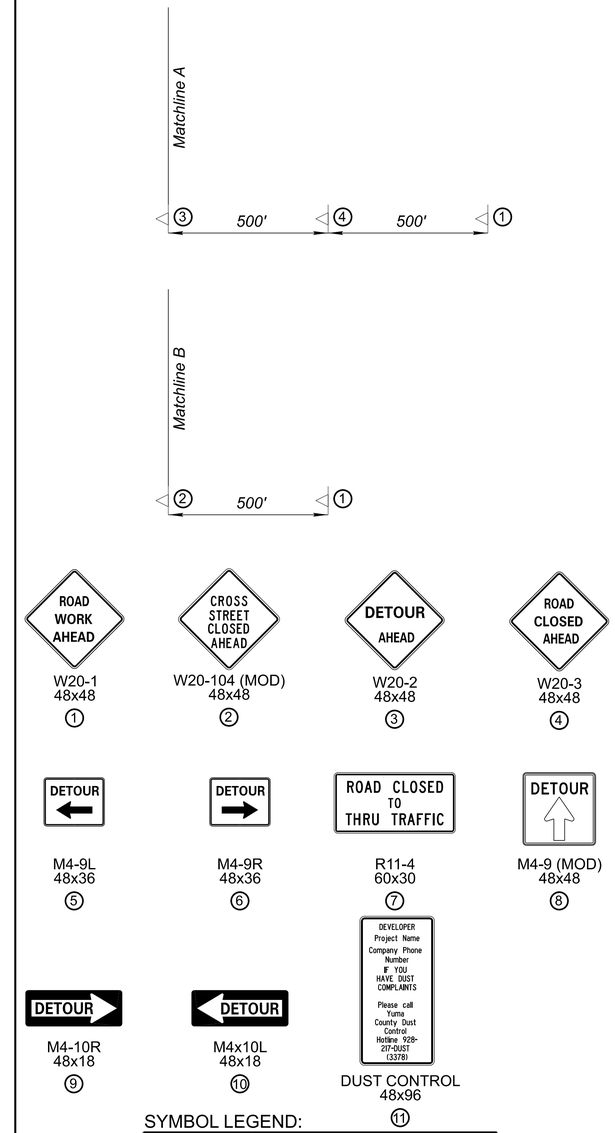
____ OF____



DETAIL A-D: Full Closure Between County 16th Street and County 15th



DETAIL A-C: Full Closure Between County 15th and County 14th



SYMBOL LEGEND:

	Sign on Spring Stand
	Sign on Type III Barricade
	Dirt Road
	Work Zone
XXXXX XXXXX	Changeable Message Board

Registered Professional Engineer (Civil) CERTIFICATE NO. 74347 WILLIAM GIL Date Signed 07/17/2026 ARIZONA, U.S.A.

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

WSP USA Inc. 1230 West Washington Street, Suite 600 Tempe, AZ 85281

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

MAINTENANCE OF TRAFFIC

ROUTE
MILEPOST
STRUCTURE NO.

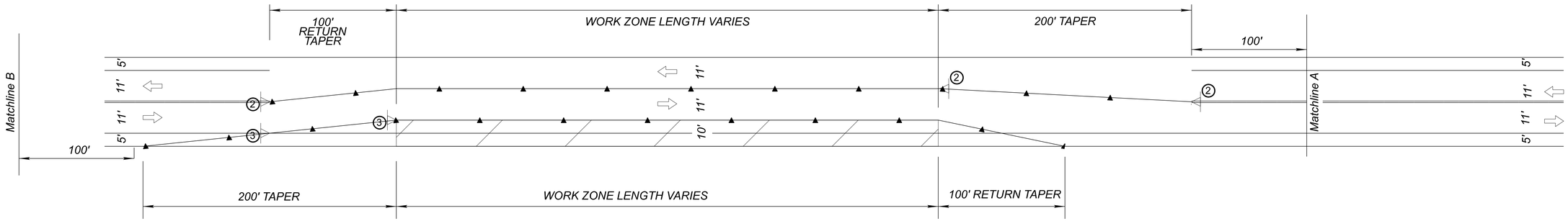
F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	0000 YU YYU	YYU-0(225)T	28	37	

LOCATION AVENUE G, COUNTY 11TH ST - COUNTY 16TH ST

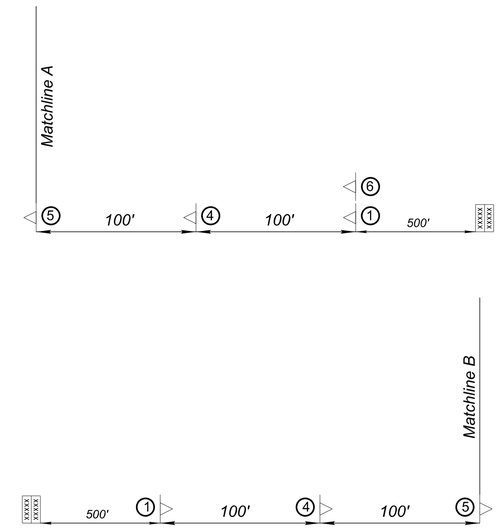
DWG MOT04

TRACS NO. T0437 01C

____ OF____

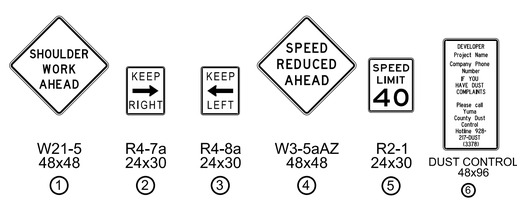


DETAIL B: RUMBLE STRIP
INSTALLATION LANE SHIFTS
(NORTHBOUND/SOUTHBOUND)



SYMBOL LEGEND:

▷	Sign on Spring Stand
▲	Vertical Panel (Plan/Elevation)
⇨	Direction of Travel
▨	Work Area



NOTES

1. Contractor shall maintain 11' minimum lanes at all times
2. Panels shall be spaced at 40' on center on tapers, 80' on tangents

Registered Professional Engineer (Civil) CERTIFICATE NO. 74347 WILLIAM GIL Date Signed 07/17/2026 ARIZONA, U.S.A.

William Gil

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

WSP USA Inc.
1230 West Washington Street, Suite 600
Tempe, AZ 85281

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

MAINTENANCE OF TRAFFIC

ROUTE
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	0000 YU YYU	YYU-0(225)T	29	37	

LOCATION AVENUE G, COUNTY 11TH ST - COUNTY 16TH ST

DWG MOT05

TRACS NO. T0437 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. *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.*

4. *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.*

5. *The contractor shall break 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.*

6. *There will be no pavement marking plans for this project. The replacement of all the existing pavement markings shall be the responsibility of the contractor. The contractor shall prepare and develop an "As-built Drawings" pavement marking plans for the existing pavement markings on the roadway within the project limits. "As-built" Plans shall be based on field survey which has measured the locations of all existing center lines and edge lines. The developed "As-built" plans shall provide adequate information and detail so that the new pavement markings can be installed per the applicable existing conditions and any modifications required by the current ADOT Signing and Marking Standard Drawings. The contractor shall follow these "As-built" plans when placing pavement markings on the final pavement surface. The "As-built" plans shall be submitted electronically in PDF format to the Engineer no less than 14 days prior to the start of construction activities for his review and approval. Full compensation for developing the existing pavement marking "As-built Drawings" pavement marking plans will be considered as include in the price of the contract bid item 9250001.*

7. *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	28
6070054	SIGN POST (PERFORATED)(2S)	L.FT.	11
6070055	SIGN POST (PERFORATED) (2 1/2 S)	L.FT.	252
6070057	SIGN POST (PERFORATED) (2 1/2 T)	L.FT.	74
6070060	FOUNDATION FOR SIGN POST (CONCRETE)	EA	28
6080110	REMOVE AND REINSTALL SIGN	EACH	35
7015052	OBLITERATE PAVEMENT MARKING (STRIPE)	L.FT.	67,959
7040005	PAVEMENT MARKING (WHITE EXTRUDED THERMOPLASTIC) (0.090")	L.FT.	72,554
7080201	WATERBORNE-TYPE I PAVEMENT MARKING (PAINTED) (WHITE)	L.FT.	48,369
7080202	WATERBORNE-TYPE I PAVEMENT MARKING (PAINTED) (YELLOW)	L.FT.	45,306
9280034	GROUND IN RUMBLE-STRIP (6 INCH)	L.FT.	22,677
9280036	GROUND IN RUMBLE-STRIP (8 INCH)	L.FT.	35,504

**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.*

Registered Professional Engineer (Civil) CERTIFICATE NO. 74347 WILLIAM GIL Date Signed 8/11/2026 ARIZONA, U.S.A.

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

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

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

PAVEMENT MARKING AND SIGNING GENERAL NOTES

ROUTE
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division

STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	0000 YU YYU	YYU-0(225)T	30	37	

LOCATION AVENUE G, COUNTY 11TH ST - COUNTY 16TH ST

DWG PM00

TRACS NO. T0437 01C

____ OF____

Pavement Marking Locations NB Edge Line				
Avenue G				
Description	Begin Sta	End Sta	Length (LF)	4" Equiv
Solid Stripe (6" White)	17+32	261+40	24,408	36612
Exceptions	114+80	116+29	149	223.5

Pavement Marking Locations SB Edge Line				
Avenue G				
Description	Begin Sta	End Sta	Length (LF)	4" Equiv
Solid Stripe (6" White)	17+32	261+40	24,408	36612
Exceptions	114+80	116+29	149	223.5
	62+00	63+50	150	225

Pavement Marking Locations Centerline				
Avenue G				
Description	Begin Sta	End Sta	Length (LF)	4" Equiv
Double Yellow (4")*	19+36.3	61+99.1	4,263	8526
	63+48.5	108+11.6	4,463	8926
	122+46.5	167+75.0	4,529	9057
	168+77.3	219+84.4	5,107	10214
	222+48.7	265+40.3	4,292	8583
Obliteration (6")	19+36.3	61+99.1	4,263	12788
	63+48.5	108+11.6	4,463	13389
	122+46.5	167+75.0	4,529	13586
	168+77.3	219+84.4	5,107	15321
	222+48.7	265+40.3	4,292	12875
*Waterborne Only, County to install Yellow Thermoplastic at a later time				

Registered Professional Engineer (Civil) CERTIFICATE NO. 74347 WILLIAM GIL Date Signed 07/17/2026 ARIZONA, U.S.A.

William Gil

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

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

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

PAVEMENT MARKING
SUMMARY TABLES

ROUTE
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division

STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	0000 YU YYU	YYU-0(225)T	31	37	

LOCATION AVENUE G, COUNTY 11TH ST - COUNTY 16TH ST

DWG PM01

TRACS NO. T0437 01C

____ OF____

Plan Sht No.	Sign Number	MOAS Sign Code	Work: New	Work: Existing: Replace Panel	Work: Existing: Relocate Panel	Work: Existing: Modify Legend	Work: Existing: Remove	Work: Existing: To Remain	Offset (ft)	Mounting Height (ft)	Background Color	Panel: Legend	Panel: Width (in)	Panel: Height (in)	Panel: Area (sq. ft)	Panel: Type	Panel: Bid Item Number	Ground Mounted: Foundations	Ground Mounted: Post: Type	Ground Mounted: Post: Total length (ft)	Ground Mounted: New Slipbases	Ground Mounted: Stringer: Type	Ground Mounted: Stringer: Total length (ft)	Overhead: Structure Type	Overhead: Number of Lights	Remarks
NB	STA 8+39	R2-1(50)			X				12	7	WH	SPEED LIMIT 50	24	30	5.0	RWM	6080110	1	2 1/2S	12	1					
NB	STA 29+10	W1-4L			X				12	7	YL	Left Reverse Curve Symbol	30	30	6.3	RWM	6080110	1	2 1/2S	12	1					
NB	STA 53+05	D3-1			X				12	7	GR	CO 15TH ST	30	8	1.7	F-DA	6080110	1	2 1/2T	12	1					
NB	+	D3-1			X						GR	AVE G	24	8	1.3	F-DA	6080110									
NB	+	R1-1			X						RD	STOP	30	30	6.3	RWM	6080110									
NB	STA 55+32	R2-1(50)			X				12	7	WH	SPEED LIMIT 50	24	30	5.0	RWM	6080110	1	2 1/2S	12	1					
NB	STA 98+91	R2-1(50)			x				12	7	WH	SPEED LIMIT 50	24	30	5.0	RWM	6080110	1	2 1/2S	12	1					
NB	STA 103+41	D1-1			X				12	7	GR	WEST COCOPAH INDIAN RESERVATION	36	36	9.0	F-DA	6080110	1	2 1/2T	12	1					
NB	STA 108+34	R2-1(50)			X				12	7	WH	SPEED LIMIT 50	24	30	5.0	RWM	6080110	1	2 1/2S	12	1					
NB	STA 152+75	W2-1			X				12	7	YL	Cross Road Symbol	30	30	6.3	RWM	6080110	1	2 1/2S	12	1					
NB	STA 158+43	D3-1			X				12	7	GR	CO 13TH ST	30	8	1.7	F-DA	6080110	1	2 1/2T	13	1					
NB	+	D3-1			X						GR	AVE G	24	8	1.3	F-DA	6080110									
NB	+	R1-1			X						RD	STOP	30	30	6.3	RWM	6080110									
NB	STA 161+89	R2-1(50)			X				12	7	WH	SPEED LIMIT 50	24	30	5.0	RWM	6080110	1	2 1/2S	12	1					
NB	STA 175+59	W1-4R			X				12	7	YL	Right Reverse Curve Symbol	30	30	6.3	RWM	6080110	1	2 1/2S	12	1					
NB	STA 205+57	W2-1			X				12	7	YL	Cross Road Symbol	30	30	6.3	RWM	6080110	1	2 1/2S	12	1					
NB	STA 211+31	D3-1			X				12	7	GR	CO 12TH ST	30	8	1.7	F-DA	6080110	1	2 1/2T	13	1					
NB	+	D3-1			X						GR	AVE G	24	8	1.3	F-DA	6080110									
NB	+	R1-1			X						RD	STOP	30	30	6.3	RWM	6080110									
NB	STA 212+95	W2-1			X				12	7	YL	Cross Road Symbol	30	30	6.3	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 signs shall have fluorescent sheeting.*

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

Registered Professional Engineer (Civil) CERTIFICATE NO. 74347 WILLIAM GIL Date Signed 07/17/26 ARIZONA, U.S.A.

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

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
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	0000 YU YYU	YYU-0(225)T	32	37	

LOCATION AVENUE G, COUNTY 11TH ST - COUNTY 16TH ST

DWG SGN01

TRACS NO. T0437 01C

____ OF____

Plan Sht No.	Sign Number	MOAS Sign Code	Work: New	Work: Existing: Replace Panel	Work: Existing: Relocate Panel	Work: Existing: Modify Legend	Work: Existing: Remove	Work: Existing: To Remain	Offset (ft)	Mounting Height (ft)	Background Color	Panel: Legend	Panel: Width (in)	Panel: Height (in)	Panel: Area (sq. ft)	Panel: Type	Panel: Bid Item Number	Ground Mounted: Foundations	Ground Mounted: Post: Type	Ground Mounted: Post: Total length (ft)	Ground Mounted: New Slipbases	Ground Mounted: Stringer: Type	Ground Mounted: Stringer: Total length (ft)	Overhead: Structure Type	Overhead: Number of Lights	Remarks
NB	STA 255+04	D3-1			X				12	7	GR	CO 11TH ST	30	8	1.7	F-DA	6080110	1	2S	11	1					
NB	+	D3-1			X						GR	AVE G	24	8	1.3	F-DA	6080110									
SB	STA 261+27	R2-1(50)			X				12	7	WH	SPEED LIMIT 50	24	30	5.0	RWM	6080110	1	2 1/2S	12	1					
SB	STA 216+17	W2-1			X				12	7	YL	Cross Road Symbol	30	30	6.3	RWM	6080110	1	2 1/2S	12	1					
SB	STA 208+84	R2-1(50)			X				12	7	WH	SPEED LIMIT 50	24	30	5.0	RWM	6080110	1	2 1/2S	12	1					
SB	STA 193+74	W1-4R			X				12	7	YL	Right Reverse Curve Symbol	30	30	6.3	RWM	6080110	1	2 1/2S	12	1					
SB	STA 163+75	W2-1			X				12	7	YL	Cross Road Symbol	30	30	6.3	RWM	6080110	1	2 1/2S	12	1					
SB	STA 157+95	R1-1			X				12	7	RD	STOP	30	30	6.3	RWM	6080110	1	2 1/2S	12	1					
SB	STA 155+78	R2-1(50)			X				12	7	WH	SPEED LIMIT 50	24	30	5.0	RWM	6080110	1	2 1/2S	12	1					
SB	STA 113+97	W2-1			X				12	7	YL	Cross Road Symbol	30	30	6.3	RWM	6080110	1	2 1/2S	12	1					
SB	STA 107+93	D1-1			X				12	7	GR	WEST COCOPAH INDIAN RESERVATION	36	36	9.0	F-DA	6080110	1	2 1/2T	12	1					
SB	STA 101+54	R2-1(50)			X				12	7	WH	SPEED LIMIT 50	24	30	5.0	RWM	6080110	1	2 1/2S	12	1					
SB	STA 58+60	W2-1			X				12	7	YL	Cross Road Symbol	30	30	6.3	RWM	6080110	1	2 1/2S	12	1					
SB	STA 52+66	R1-1			X				12	7	RD	STOP	30	30	6.3	RWM	6080110	1	2 1/2S	12	1					
SB	STA 07+34	W3-3			X				12	7	YL	Signal Ahead Symbol	36	36	9.0	RWM	6080110	1	2 1/2T	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;

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

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

Registered Professional Engineer (Civil) CERTIFICATE NO. 74347 WILLIAM GIL Date Signed 07/17/26 ARIZONA, U.S.A.

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

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
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	0000 YU YYU	YYU-0(225)T	33	37	

LOCATION AVENUE G, COUNTY 11TH ST - COUNTY 16TH ST

DWG SGN02

TRACS NO. T0437 01C

____ OF____

CENTERLINE RUMBLE STRIPS LIMITS

Begin STA	End STA	Gross Length (LF)	Rumble Strip Size (in.)
19+13.26	265+40.28	24,627	6
Total Gross Length		24,627	

NORTHBOUND SHOULDER RUMBLE STRIPS LIMITS

Begin STA	End STA	Gross Length (LF)	Rumble Strip Size (in.)
17+37.12	265+40.28	24,803	8
Total Gross Length		24,803	

SOUTHBOUND SHOULDER RUMBLE STRIPS LIMITS

Begin STA	End STA	Gross Length (LF)	Rumble Strip Size (in.)
19+08.86	265+40.28	24,631	8
Total Gross Length		24,631	

CENTERLINE EXCEPTION TABLE

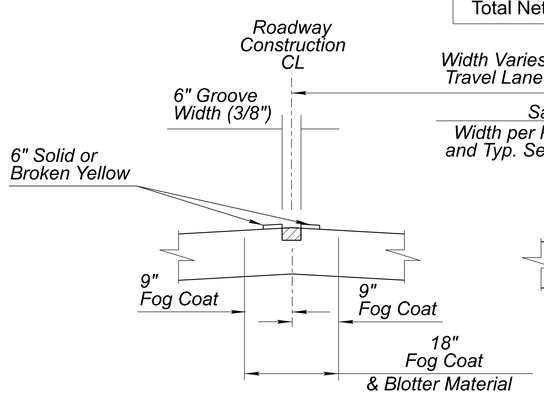
Begin STA	End STA	Exception Length (LF)	Description
61+99.08	63+48.49	149	Road: W County 15h St
108+11.58	122+46.52	1435	Road: W County 14th St
167+75.03	168+77.29	102	Road: W County 13th St
219+84.39	222+48.70	264	Road: W County 12th St
Total Gross Length		24,627 LF	
Total Exception Length		1,950 LF	
Total Net Length		22,677 LF (4.29 Miles)	

NORTHBOUND SHOULDER EXCEPTION TABLE

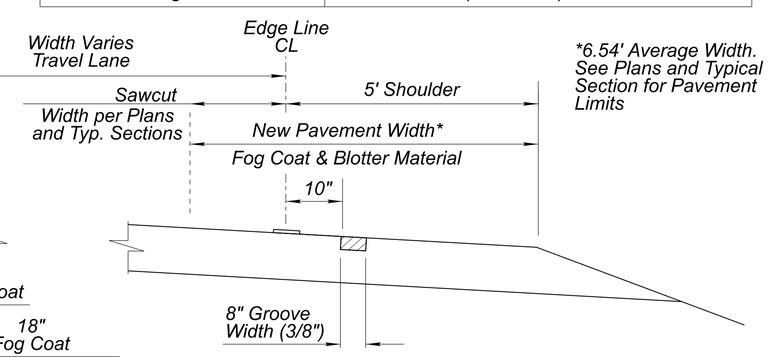
Begin STA	End STA	Exception Length (LF)	Description
61+50.29	63+66.25	216	Road: W County 15h St
113+75.26	116+83.94	309	Road: W County 14th St
166+75.05	169+27.30	252	Road: W County 13th St
219+66.17	222+00.96	235	Road: W County 12th St
Total Gross Length		24,803 LF	
Total Exception Length		1,012 LF	
25% Reduction for Gaps		5,948 LF	
Total Net Length		17,843 LF (3.38 Miles)	

SOUTHBOUND SHOULDER EXCEPTION TABLE

Begin STA	End STA	Exception Length (LF)	Description
61+60.05	64+47.02	287	Road: W County 15th St
114+30.06	117+34.95	305	Road: W County 14th St
167+30.00	169+56.60	227	Road: W County 13th St
219+84.32	222+48.62	264	Road: W County 12th St
Total Gross Length		24,631 LF	
Total Exception Length		1,083 LF	
25% Reduction for Gaps		5,887 LF	
Total Net Length		17,661 LF (3.34 Miles)	



CENTERLINE TYPICAL SECTION



EDGE LINE TYPICAL SECTION

FOG COAT QUANTITIES

	Aplication in Length (LF)	Aplication in Area (SF)	Fog Coat (Tons)
Centerline	22,677	34,016	1.26
Shoulder Edge (NB)	23,791*	155,593	5.76
Shoulder Edge (SB)	23,548*	154,003	5.70
Total			12.72

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

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

Registered Professional Engineer (Civil) CERTIFICATE NO. 70847 MICHAEL J SCHOEN Date Signed 7/17/26 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	M. SCHOEN	07/26
DRAWN	N. EKI BWANGOY	07/26
CHECKED	H. RIOS	07/26

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

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

RUMBLE STRIP SUMMARY SHEET

ROUTE
MILEPOST
STRUCTURE NO.

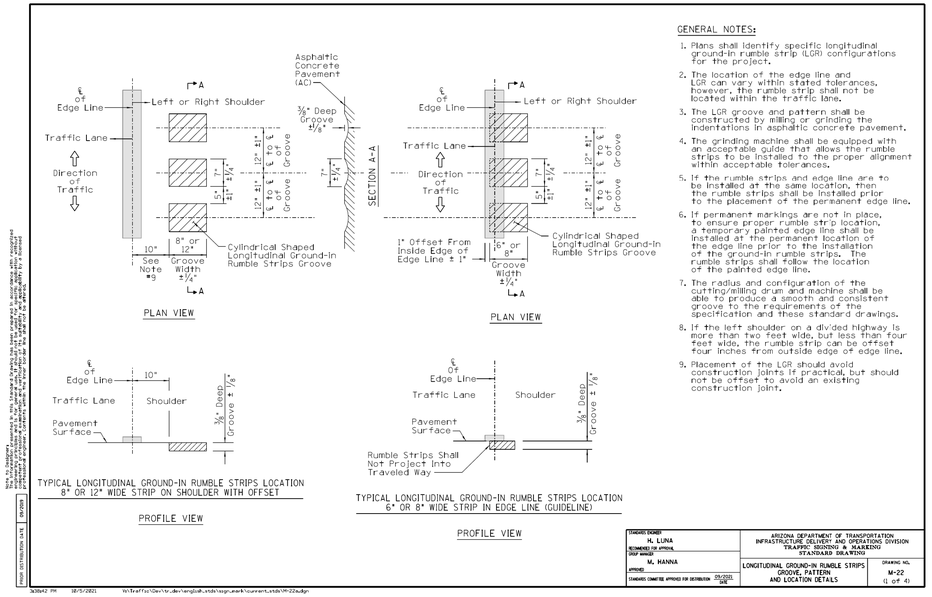
F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	0000 YU YYU	YYU-0(225)T	34	37	

LOCATION AVENUE G, COUNTY 11TH ST - COUNTY 16TH ST

DWG RS01

TRACS NO. T0437 01C

____ OF____



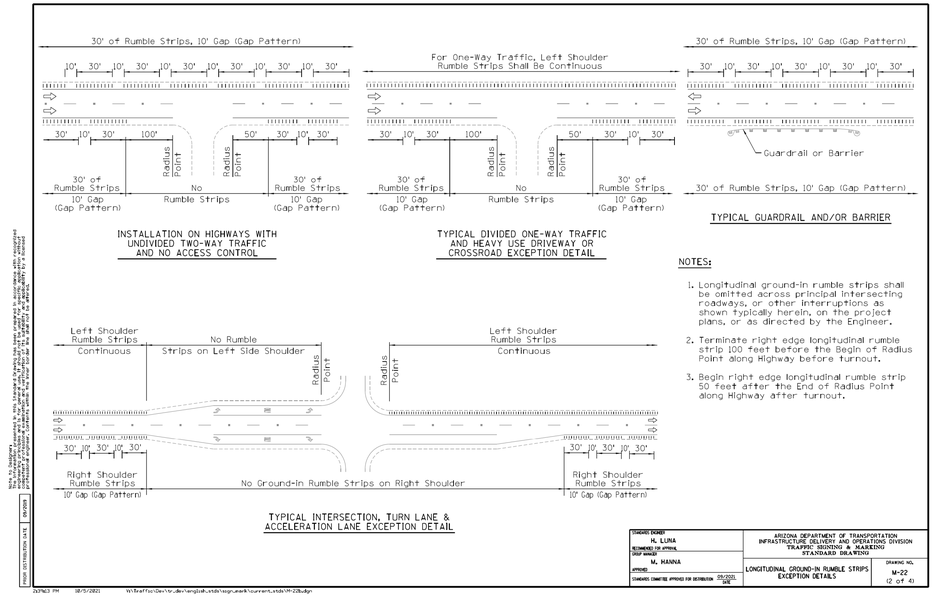
GENERAL NOTES:

1. Plans shall identify specific longitudinal ground-in rumble strip (LGR) configurations for the project.
2. The location of the edge line and LGR can vary within stated tolerances, however, the rumble strip shall not be located within the traffic lane.
3. The LGR groove and pattern shall be constructed by milling or grinding the indentations in asphaltic concrete pavement.
4. The grinding machine shall be equipped with an acceptable guide that allows the rumble strips to be installed to the proper alignment within acceptable tolerances.
5. If the rumble strips and edge line are to be installed at the same location, then the rumble strips shall be installed prior to the placement of the permanent edge line.
6. If permanent markings are not in place, to ensure proper rumble strip location, a temporary painted edge line shall be installed at the permanent location of the edge line prior to the installation of the ground-in rumble strips. The rumble strips shall follow the location of the painted edge line.
7. The radius and configuration of the cutting/milling drum and machine shall be able to produce a smooth and consistent groove to the requirements of the specification and these standard drawings.
8. If the left shoulder on a divided highway is more than two feet wide, but less than four feet wide, the rumble strip can be offset four inches from outside edge of edge line.
9. Placement of the LGR should avoid construction joints if practical, but should not be offset to avoid an existing construction joint.

STANDARD ENGINEER H. LUNA	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION TRAFFIC SIGNING & MARKING STANDARD DRAWING	
RECOMMENDED FOR APPROVAL		
CHIEF ENGINEER M. HANNA	LONGITUDINAL GROUND-IN RUMBLE STRIPS GROOVE, PATTERN AND LOCATION DETAILS	DRAWING NO. M-22 (1 of 4)
APPROVED		
STANDARDS COMMITTEE APPROVED FOR DISTRIBUTION 03/2021 DATE		

DETAIL A

ADOT STD DWG M-22
LONGITUDINAL GROUND IN RUMBLE STRIPS



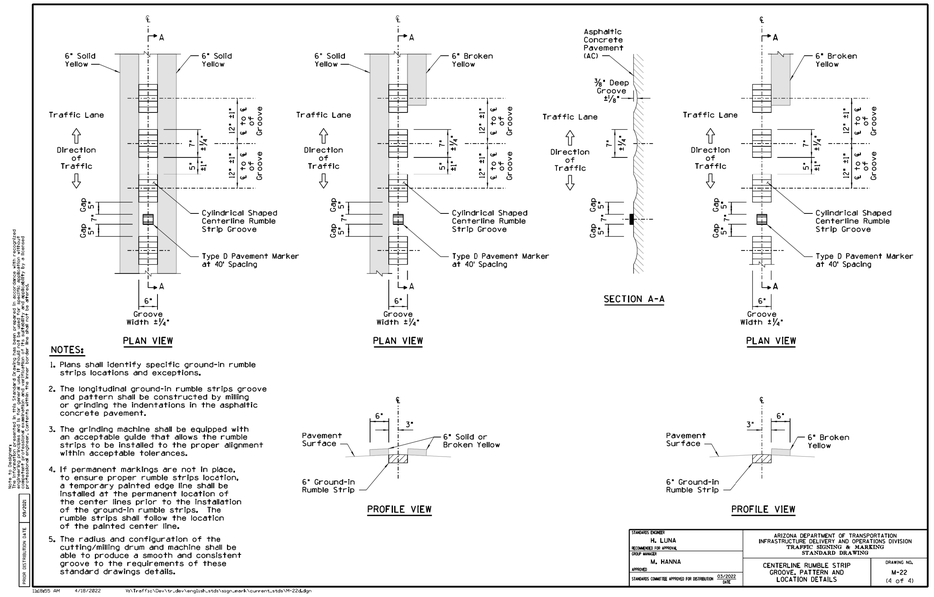
NOTES:

1. Longitudinal ground-in rumble strips shall be omitted across principal intersecting roadways, or other interruptions as shown typically herein, on the project plans, or as directed by the Engineer.
2. Terminate right edge longitudinal rumble strip 100 feet before the Begin of Radius Point along Highway before turnout.
3. Begin right edge longitudinal rumble strip 50 feet after the End of Radius Point along Highway after turnout.

STANDARD ENGINEER H. LUNA	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION TRAFFIC SIGNING & MARKING STANDARD DRAWING	
RECOMMENDED FOR APPROVAL		
CHIEF ENGINEER M. HANNA	LONGITUDINAL GROUND-IN RUMBLE STRIPS EXCEPTION DETAILS	DRAWING NO. M-22 (2 of 4)
APPROVED		
STANDARDS COMMITTEE APPROVED FOR DISTRIBUTION 09/2021 DATE		

DETAIL B

ADOT STD DWG M-22
LONGITUDINAL GROUND IN RUMBLE STRIPS EXCEPTION DETAIL



NOTES:

1. Plans shall identify specific ground-in rumble strips locations and exceptions.
2. The longitudinal ground-in rumble strips groove and pattern shall be constructed by milling or grinding the indentations in the asphaltic concrete pavement.
3. The grinding machine shall be equipped with an acceptable guide that allows the rumble strips to be installed to the proper alignment within acceptable tolerances.
4. If permanent markings are not in place, to ensure proper rumble strips location, a temporary painted edge line shall be installed at the permanent location of the center lines prior to the installation of the ground-in rumble strips. The rumble strips shall follow the location of the painted center line.
5. The radius and configuration of the cutting/milling drum and machine shall be able to produce a smooth and consistent groove to the requirements of these standard drawings details.

STANDARD ENGINEER H. LUNA	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION TRAFFIC SIGNING & MARKING STANDARD DRAWING	
RECOMMENDED FOR APPROVAL		
CHIEF ENGINEER M. HANNA	CENTERLINE RUMBLE STRIP GROOVE, PATTERN AND LOCATION DETAILS	DRAWING NO. M-22 (4 of 4)
APPROVED		
STANDARDS COMMITTEE APPROVED FOR DISTRIBUTION 03/2022 DATE		

DETAIL C

ADOT STD DWG M-22
CENTERLINE RUMBLE STRIP GROOVE, PATTERN AND LOCATION DETAILS

Registered Professional Engineer (Civil) CERTIFICATE NO. 70847 MICHAEL J. SCHOEN Date Signed 7/1/26 ARIZONA, U.S.A.

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

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1230 West Washington Street, Suite 600
Tempe, AZ 85281

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

DETAIL SHEET

ROUTE
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	0000 YU YYU	YYU-0(225)T	35	37	

LOCATION AVENUE G, COUNTY 11TH ST TO COUNTY 16TH ST

DWG RS02

TRACS NO. T0437 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: T0437 01C

C. Project Name/location (be consistent with the plan set cover sheet): AVENUE G, COUNTY 11TH ST TO COUNTY 16TH ST

City: Yuma County: Yuma County

Beginning Latitude (NAD 83): 582200.726

Beginning Longitude (NAD 83): 396488.110

Ending Latitude (NAD 83): 608829.322

Ending Longitude (NAD 83): 396474.687

To obtain the project latittude/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, 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 Mattings
☐ Seeding (Class II with final mulch cover)
☐ Gravelbag
☐ Catch Basin Temporary Fabric Filter
☐ Designated Washout Areas
☐ Protected Chemical and Material Storage Area
☐ Equipment Maintenance Procedures
☐ Others Describe: _____

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: Granite Mulch

** Track and report ADOT EP Water Resources Management:

ADOTWater@azdot.gov

Registered Professional Engineer (Civil) CERTIFICATE NO. 70847 MICHAEL J SCHOEN Date Signed 7/17/26 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	M. SCHOEN	07/26
DRAWN	N. EKI BWANGOY	07/26
CHECKED	H. RIOS	07/26

WSP USA Inc.
1230 West Washington Street, Suite 600
Tempe, AZ 85281

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

STORMWATER & AIR QUALITY
CONTROL MEASURE INDEX SHEET (CMIS)

ROUTE
MILEPOST
STRUCTURE NO.

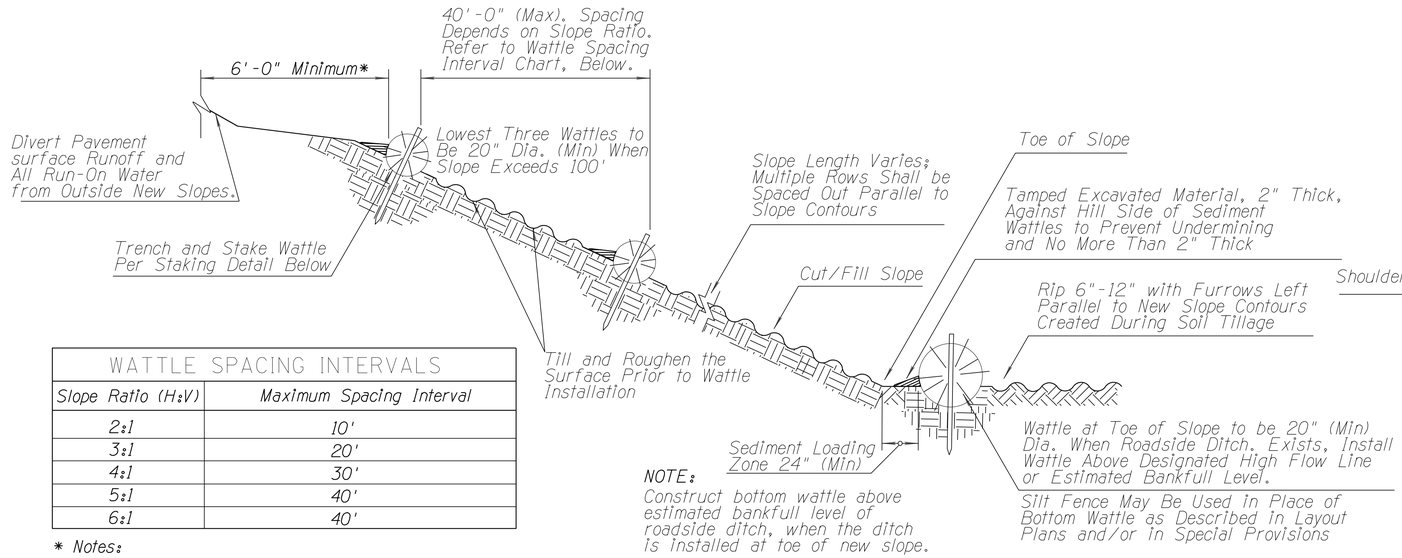
F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	0000 YU YYU	YYU-0(225)T	36	37	

LOCATION AVENUE G, COUNTY 11TH ST - COUNTY 16TH ST

DWG EC01

TRACS NO. T0437 01C

____ OF ____



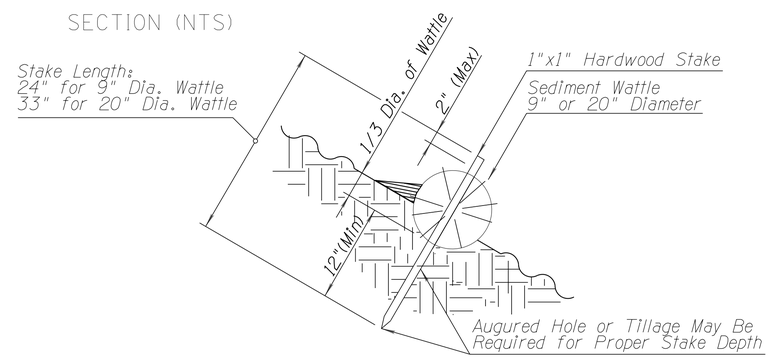
NOTE:
Construct bottom wattle above estimated bankfull level of roadside ditch, when the ditch is installed at toe of new slope.

SECTION (NTS)

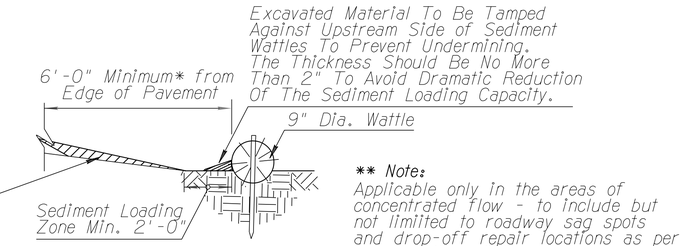
WATTLE SPACING INTERVALS	
Slope Ratio (H:V)	Maximum Spacing Interval
2:1	10'
3:1	20'
4:1	30'
5:1	40'
6:1	40'

* Notes:

1) Top Row Shall be Placed within 6'-0" of Edge of Pavement and 9'-0" from Outside Surface of Barrier.
2) For erosive soils, place rows of wattles closer together.
3) For soils with low erosive potential, palce rows of wattles further apart.

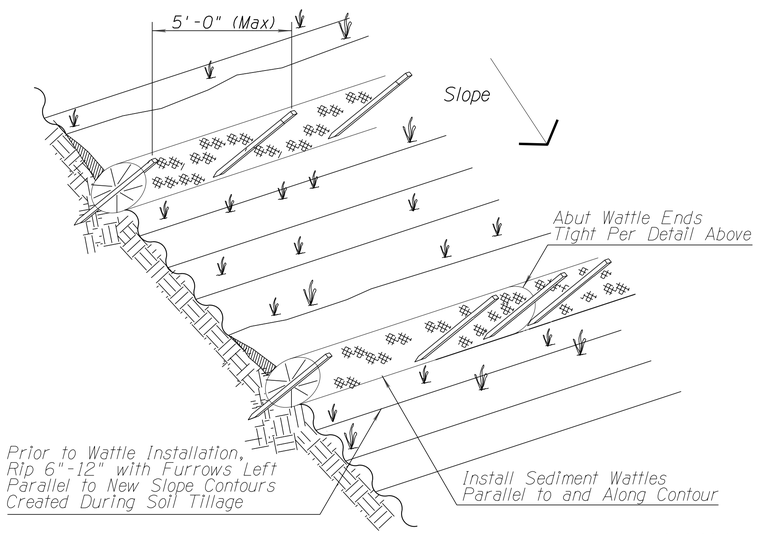


SEDIMENT WATTLE STAKING DETAIL (NTS)

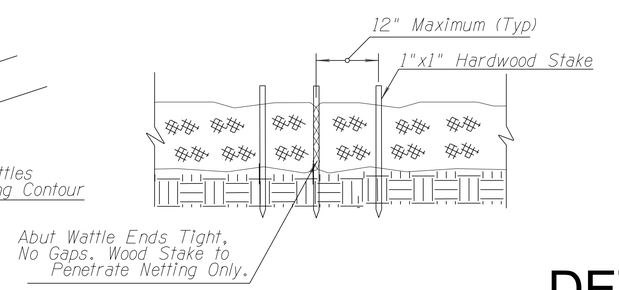


** Note:
Applicable only in the areas of concentrated flow - to include but not limited to roadway sag spots and drop-off repair locations as per the direction of the Engineer.

NEW SHOULDER BUILDUP **
PROTECTION SECTION (NTS)



SEDIMENT WATTLE LAYOUT (NTS)



SEDIMENT WATTLE OVERLAP (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 continuos contact with trench bottom and sides. Do not overlap wattle ends on top of each other. A 20" Dia. wattle may be made fom 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 prompty. Make field adjustments and corrections of Wattle CM/BMP immediately if it is causing flooding, erosion, and/or affecting roadway safety.
5. Construction of cut slopes 2:1 and steeper in soil and rock materials that can be ripped shall be constructed, whenever possible, by Minibenching. refer to Slope Minibenching CM/BMP Detail.
6. Loosening surface soil is not required where Minibenches are used. For seeded areas, tillage shall be performed to form minor ridges and furrows parallel to new slope contours and as specified in Section 805 of the Specifications and project special provisions.
7. Divert and direct run-on water from outside of the slopes to the spillways and/or rock riprap/rock muic. Diversion dikes and/or ditces 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: al 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 ES1
SEDIMENT WATTLE

Registered Professional Engineer (Civil) CERTIFICATE NO. 70847 MICHAEL J SCHOEN Date Signed 7/17/26 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	M. SCHOEN	07/26
DRAWN	N. EKI BWANGOY	07/26
CHECKED	H. RIOS	07/26

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

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

STORMWATER QUALITY PROTECTION
EROSION/SEDIMENT CONTROL DETAILS

ROUTE
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	0000 YU YYU	YYU-0(225)T	37	37	

LOCATION AVENUE G, COUNTY 11TH ST - COUNTY 16TH ST

DWG EC02

TRACS NO. T0437 01C

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