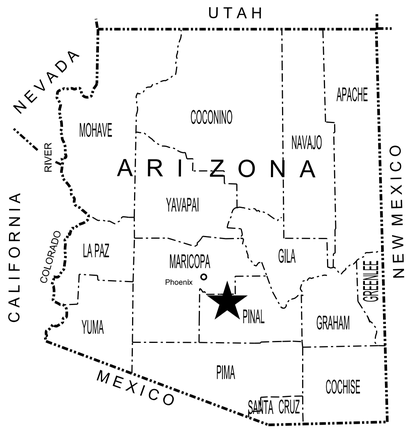
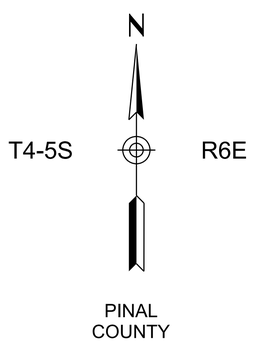
STATE OF ARIZONA
DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION

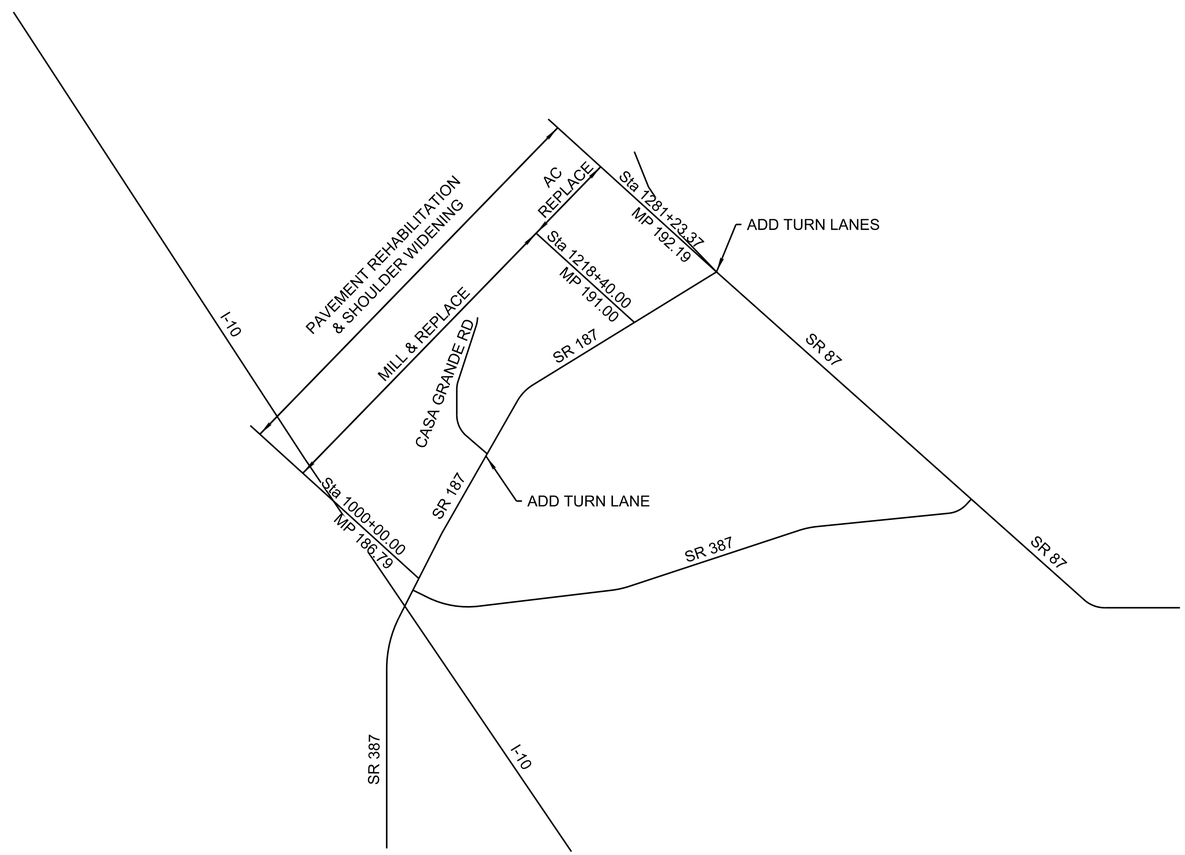
PROJECT PLANS

ARIZONA DEPARTMENT OF TRANSPORTATION



STATE HIGHWAY
CASA GRANDE - OLBERG HIGHWAY
SR 187





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

SR 387 TO SR 87

PROJECT NO. 187 PN 186 F0641 01C
FEDERAL AID NO. 187-A(200)T

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

REC. DWGS. DATA	REC. DWG. DATE	1	OF	160

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	Owen Mills	06/2025

PROJECT NO. 187 PN 186 F0641 01C — 1A OF 160

RECORD DRAWING DATA — FEDERAL ID NO. 187-A(200)T — REC. DWG. DATE — OF

ADOT STANDARD DRAWINGS

TRAFFIC SIGNING & MARKING STANDARDS
(SHEET 1 OF 2)
EFFECTIVE NOVEMBER 2024

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
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	Owen Mills	06/2025

PROJECT NO. 187 PN 186 F0641 01C — 1B-1 OF 160

RECORD DRAWING DATA	FEDERAL ID NO. 187-A(200)T	REC. DWG. DATE	OF

ADOT STANDARD DRAWINGS

TRAFFIC SIGNING & MARKING STANDARDS
(SHEET 2 OF 2)
EFFECTIVE NOVEMBER 2024

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	Owen Mills	06/2025

PROJECT NO.			
187 PN 186 F0641 01C		1B-2 OF 160	
RECORD DRAWING DATA	FEDERAL ID NO. 187-A(200)T	REC. DWG. DATE	OF

ADOT STANDARD DRAWINGS

TRAFFIC SIGNAL AND LIGHTING STANDARDS
(SHEET 1 OF 2)
EFFECTIVE NOVEMBER 2024

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

REVISION DATE	STANDARD NUMBER	SUBJECT : TRAFFIC SIGNALS AND LIGHTING DETAILS
	T-SL. 4	**POLES AND POSTS**
11/22	4.01	TYPE A POLE
11/22	4.02	TYPE S POLE
11/22	4.03	TYPE T POLE
11/22	4.04	TYPE S AND TYPE T STEEL TWIN LUMINAIRE MOUNTING BRACKET AND EXTENSIONS
11/22	4.05	ALUMINUM TYPE S POLE
11/22	4.06	ALUMINUM TYPE T POLE
11/22	4.07	TYPE G POLE
11/22	4.08	ALUMINUM TYPE G POLE
11/22	4.09	ALUMINUM TYPE H POLE
11/22	4.10	ALUMINUM TYPE I POLE
11/22	4.11	GENERAL NOTES FOR TRAFFIC SIGNALS AND LIGHTING POLES WITH MAXIMUM LOADING CASE
04/19	4.12	TYPE J POLES (25-J, 30-J, 35-J, AND 40-J) WITH 25 FT TO 40 FT MAST ARM SPAN LENGTH
04/19	4.13	TYPE Q POLES (25-QL, 30-QL, 35-QL, AND 40-QL) WITH 25 FT TO 40 FT MAST ARM SPAN LENGTH WITH LUMINAIRES
04/19	4.14	TYPE K POLES (45-K, 50-K, AND 55-K) WITH 45 FT TO 55 FT MAST ARM SPAN LENGTH
04/19	4.15	TYPE R POLES (45-RL, 50-RL, AND 55-RL) WITH 45 FT TO 55 FT MAST ARM SPAN LENGTH WITH LUMINAIRES
11/22	4.16	TYPE V POLES (60-V AND 65-V) WITH 60 FT TO 65 FT MAST ARM SPAN LENGTH
11/22	4.17	TYPE W POLES (60-WL AND 65-WL) WITH 60 FT TO 65 FT MAST ARM SPAN LENGTH WITH LUMINAIRES
11/22	4.18	POLE HAND HOLE DETAILS
11/22	4.19	TYPE U POLE (ELLIPTICAL BASE) DETAILS
11/22	4.20	TYPE U POLE (ROUND POLE WITH SQUARE BASE) NOTES
04/19	4.21	TYPE U POLE (ROUND POLE WITH SQUARE BASE) FOUNDATION DETAILS
04/19	4.22	TYPE U POLE (ROUND POLE WITH SQUARE BASE) DEATILS 1
04/19	4.23	TYPE U POLE (ROUND POLE WITH SQUARE BASE) DEATILS 2
04/19	4.24	TYPE U POLE (ROUND POLE WITH SQUARE BASE) PIPE TENON DETAILS
04/19	4.25	TYPE U POLE (ROUND POLE WITH SQUARE BASE) TWIN LUMINAIRE BRACKET DETAILS
04/19	4.26	EQUIPMENT MOUNTING HEIGHT DETAILS
04/19	4.27	PEDESTRIAN PUSH BUTTON POST "TYPE PB POLE"
11/22	4.28	POLE FOUNDATION ANCHOR BOLTS
04/19	4.29	STEEL MAST ARM DETAILS LUMINAIRE AND SIGNAL ARMS TO 20'
04/19	4.30	ALUMINUM TRUSS MAST ARM DETAILS FOR TYPE G, H, AND I POLES
04/19	4.31	SIGNAL MAST ARM TENON DETAIL
04/19	4.32	TYPICAL HIGHWAY LIGHTING OFFSETS IN CUT AND FILL SECTIONS
11/22	4.33	STEEL ADAPTER PLATE FOR 30 FT ALUMINUM TYPE "G" OR TYPE "S" LIGHT POLES
	T.S. 5	**POLE BASES - SPECIAL**
11/24	5-0	TYPE 2 AND 3 CAST ALUMINUM BREAK-AWAY BASES
04/19	5-1	TYPE 2 CAST ALUMINUM BREAK-AWAY BASE
04/19	5-2	TYPE 3 CAST ALUMINUM BREAK-AWAY BASE
05/21	5-3	INSTALLATION DETAILS FOR POLE FOUNDATIONS WITH TYPE 2 AND 3 BREAK-AWAY BASES
	T.S. 6	**HIGHWAY TRAFFIC DATA DETECTORS**
03/10	6-1	TYPE C VEHICLE DETECTOR LOOPS FOR TRAFFIC COUNTERS
03/10	6-2 SHT 1	TYPE SA AND SB SPEED/VEHICLE CLASSIFICATION SYSTEMS
03/10	6-2 SHT 2	TYPE SA SPEED/VEHICLE CLASSIFICATION SYSTEMS
03/10	6-2 SHT 3	TYPE SB SPEED/VEHICLE CLASSIFICATION SYSTEMS
12/12	6-3	PIEZOELECTRIC WEIGHT SENSOR AND LOOP LANE LAYOUT
12/12	6-4 SHT 1	DETECTOR LOOPS AND PIEZOELECTRIC SENSOR DETAILS
12/12	6-4 SHT 2	DETECTOR LOOPS AND PIEZOELECTRIC SENSOR DETAILS
03/15	6-4 SHT 3	DETAIL A PIEZOELECTRIC SENSOR DETAILS
12/12	6-4 SHT 4	DETAIL B DETECTOR LOOP DETAILS
12/12	6-4 SHT 5	DETECTOR LOOPS AND PIEZOELECTRIC SENSOR DETAILS
03/10	6-5	MICROLOOPS FOR SPEED/VEHICLE CLASSIFICATION
03/10	6-6	QUARTZ PIEZOELECTRIC WEIGHT SENSOR AND LOOP LANE LAYOUT
03/10	6-7	TRAFFIC DATA COLLECTION CABINET INSTALLATION DETAILS
03/10	6-8	TYPE MPD CABINET POLE, BASE AND FOUNDATION INSTALLATION DETAILS

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

	NAME	DATE
TRAFFIC SIGNAL & LIGHTING STANDARDS	Trent Thatcher	06/2025

PROJECT NO. 187 PN 186 F0641 01C — 1C-1 OF 160

RECORD DRAWING DATA	FEDERAL ID NO.	REC. DWG. DATE	OF
	187-A(200)T		

ADOT STANDARD DRAWINGS

TRAFFIC SIGNAL AND LIGHTING STANDARDS
(SHEET 2 OF 2)
EFFECTIVE NOVEMBER 2024

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

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

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

	NAME	DATE
TRAFFIC SIGNAL AND LIGHTING STANDARDS	Trent Thatcher	06/2025

PROJECT NO. 187 PN 186 F0641 01C — 1C-2 OF 160

RECORD DRAWING DATA	FEDERAL ID NO. 187-A(200)T	REC. DWG. DATE	OF

ADOT STANDARD DRAWINGS

STRUCTURE DETAIL DRAWINGS
EFFECTIVE NOVEMBER 2024

DATE	STANDARD	SUBJECT TITLE
RAILINGS		
09/24	SD 1.10 (1 OF 2)	38" SINGLE SLOPE BRIDGE BARRIER AND TRANSITION
09/24	SD 1.10 (2 OF 2)	38" SINGLE SLOPE BRIDGE BARRIER AND TRANSITION
10/24	SD 1.11 (1 OF 1)	42" SINGLE SLOPE BRIDGE BARRIER AND TRANSITION
10/24	SD 1.11 (2 OF 2)	42" SINGLE SLOPE BRIDGE BARRIER AND TRANSITION
06/23	SD 1.12	COMBINATION PEDESTIAN-TRAFFIC BRIDGE RAILING
01/20	SD 1.13	PEDESTRIAN FENCE FOR BRIDGE RAILING SD1.12
01/20	SD 1.20	32' TYPE F ROADWAY BARRIER TRANSITION TO 38' SINGLE SLOPE BARRIER
01/20	SD 1.21	32' TYPE F ROADWAY BARRIER TRANSITION TO 42' SINGLE SLOPE BARRIER
01/20	SD 1.22	42' TYPE F ROADWAY BARRIER TRANSITION TO 42' SINGLE SLOPE BARRIER
01/20	SD 1.30	BARRIER JUNCTION BOX
APPROACHES		
08/23	SD 2.01	APPROACH SLAB DETAILS
08/23	SD 2.02	TYPE 1 ANCHOR SLAB DETAILS
08/23	SD 2.03	TYPE 2 ANCHOR SLAB DETAILS
08/23	SD 2.04	SLOPE PAVING DETAILS
DECK JOINTS		
02/20	SD 3.01	DECK JOINT ASSEMBLY - COMPRESSION SEAL
02/20	SD 3.02	DECK JOINT ASSEMBLY - STRIP SEAL
02/20	SD 3.03 (1 OF 2)	DECK JOINT ASSEMBLY - FLANGELESS STRIP SEAL
02/20	SD 3.03 (2 OF 2)	DECK JOINT ASSEMBLY - FLANGELESS STRIP SEAL
SUBSTRUCTURE		
11/12	SD 5.01	STRUCTURAL EXCAVATION - PAYMENT LIMITS
11/12	SD 5.02	STRUCTURE BACKFILL - PAYMENT LIMITS
DRAINAGE STRUCTURES		
05/15	SD 6.01 (1 OF 5)	REINFORCED CONCRETE BOX CULVERTS - MISCELLANEOUS DETAILS
02/12	SD 6.01 (2 OF 5)	REINFORCED CONCRETE BOX CULVERTS - MISCELLANEOUS DETAILS
02/12	SD 6.01 (3 OF 5)	REINFORCED CONCRETE BOX CULVERTS - EXTENSION DETAILS
02/12	SD 6.01 (4 OF 5)	REINFORCED CONCRETE BOX CULVERTS - STRUCTURAL EXCAVATION & STRUCTURE BACKFILL
05/15	SD 6.01 (5 OF 5)	REINFORCED CONCRETE BOX CULVERTS - SINGLE BARREL (0'-30' FILLS)
05/15	SD 6.02 (1 OF 2)	REINFORCED CONCRETE BOX CULVERTS - DOUBLE BARREL (0'-15' FILLS)
05/15	SD 6.02 (2 OF 2)	REINFORCED CONCRETE BOX CULVERTS - DOUBLE BARREL (15'-30' FILLS)
05/15	SD 6.03 (1 OF 2)	REINFORCED CONCRETE BOX CULVERTS - TRIPLE BARREL (0'-15' FILLS)
05/15	SD 6.03 (2 OF 2)	REINFORCED CONCRETE BOX CULVERTS - TRIPLE BARREL (15'-30' FILLS)
05/15	SD 6.04 (1 OF 2)	REINFORCED CONCRETE BOX CULVERTS - FOUR BARREL (0'-15' FILLS)
05/15	SD 6.04 (2 OF 2)	REINFORCED CONCRETE BOX CULVERTS - FOUR BARREL (15'-30' FILLS)
05/15	SD 6.05 (1 OF 2)	REINFORCED CONCRETE BOX CULVERTS - FIVE BARREL (0'-15' FILLS)
05/15	SD 6.05 (2 OF 2)	REINFORCED CONCRETE BOX CULVERTS - FIVE BARREL (15'-30' FILLS)
05/15	SD 6.06 (1 OF 2)	REINFORCED CONCRETE BOX CULVERTS - SIX BARREL (0'-15' FILLS)
05/15	SD 6.06 (2 OF 2)	REINFORCED CONCRETE BOX CULVERTS - SIX BARREL (15'-30' FILLS)
02/12	SD 6.07	REINFORCED CONCRETE BOX CULVERTS - 16'x 14' EQUIPMENT PASS (0'-20' FILLS)
05/15	SD 6.08 (1 OF 8)	REINFORCED CONCRETE BOX CULVERTS - OUTLET WINGS - SKEW 0°to 20° - CULVERT HEIGHT 3'to 7'
02/12	SD 6.08 (2 OF 8)	REINFORCED CONCRETE BOX CULVERTS - OUTLET WINGS - SKEW 0°to 20° - CULVERT HEIGHT 8'to 12'
05/15	SD 6.08 (3 OF 8)	REINFORCED CONCRETE BOX CULVERTS - INLET WINGS - SKEW 0°to 20° - CULVERT HEIGHT 3'to 7'
02/12	SD 6.08 (4 OF 8)	REINFORCED CONCRETE BOX CULVERTS - INLET WINGS - SKEW 0°to 20° - CULVERT HEIGHT 8'to 12'
05/15	SD 6.08 (5 OF 8)	REINFORCED CONCRETE BOX CULVERTS - OUTLET WINGS - SKEW 25°to 45° - CULVERT HEIGHT 3'to 7'
02/12	SD 6.08 (6 OF 8)	REINFORCED CONCRETE BOX CULVERTS - OUTLET WINGS - SKEW 25°to 45° - CULVERT HEIGHT 8'to 12'
05/15	SD 6.08 (7 OF 8)	REINFORCED CONCRETE BOX CULVERTS - INLET WINGS - SKEW 25°to 45° - CULVERT HEIGHT 3'to 7'
02/12	SD 6.08 (8 OF 8)	REINFORCED CONCRETE BOX CULVERTS - INLET WINGS - SKEW 25°to 45° - CULVERT HEIGHT 8'to 12'
05/15	SD 6.09 (1 OF 3)	REINFORCED CONCRETE BOX CULVERTS - HEADWALL QUANTITIES - 2 :1 SLOPE
05/15	SD 6.09 (2 OF 3)	REINFORCED CONCRETE BOX CULVERTS - HEADWALL QUANTITIES - 4 :1 SLOPE
05/15	SD 6.09 (3 OF 3)	REINFORCED CONCRETE BOX CULVERTS - HEADWALL QUANTITIES - 6 :1 SLOPE
05/15	SD 6.10 (1 OF 2)	REINFORCED CONCRETE BOX CULVERTS - INLET OR OUTLET - LEVEL WINGS - CULVERT HEIGHT 3'to 7'
02/12	SD 6.10 (2 OF 2)	REINFORCED CONCRETE BOX CULVERTS - INLET OR OUTLET - LEVEL WINGS - CULVERT HEIGHT 8'to 12'
02/12	SD 6.11 (1 OF 4)	REINFORCED CONCRETE BOX CULVERTS - OUTLET APRON DETAILS
05/15	SD 6.11 (2 OF 4)	REINFORCED CONCRETE BOX CULVERTS - OUTLET APRON - DIMENSIONS & QUANTITIES (2 :1 SLOPE)
05/15	SD 6.11 (3 OF 4)	REINFORCED CONCRETE BOX CULVERTS - OUTLET APRON - DIMENSIONS & QUANTITIES (4 :1 SLOPE)
05/15	SD 6.11 (4 OF 4)	REINFORCED CONCRETE BOX CULVERTS - OUTLET APRON - DIMENSIONS & QUANTITIES (6 :1 SLOPE)
10/24	SD 6.20 (1 OF 5)	PRECAST REINFORCED CONCRETE BOX CULVERTS - SINGLE BARREL NOTES & DIMENSIONS
10/24	SD 6.20 (2 OF 5)	PRECAST REINFORCED CONCRETE BOX CULVERTS - MISCELLANEOUS DETAILS 1
10/24	SD 6.20 (3 OF 5)	PRECAST REINFORCED CONCRETE BOX CULVERTS - END SECTION & CONNECTION DETAILS
10/24	SD 6.20 (4 OF 5)	PRECAST REINFORCED CONCRETE BOX CULVERTS - MISCELLANEOUS DETAILS 2
10/24	SD 6.20 (5 OF 5)	PRECAST REINFORCED CONCRETE BOX CULVERTS - MISCELLANEOUS DETAILS 3
07/12	SD 6.30 (1 OF 5)	PIPE CULVERT HEADWALLS - MISCELLANEOUS DETAILS
07/12	SD 6.30 (2 OF 5)	PIPE CULVERT HEADWALLS - INLET AND OUTLET - 18" to 42" PIPES
07/12	SD 6.30 (3 OF 5)	PIPE CULVERT HEADWALLS - RIGHT ANGLE INLET AND OUTLET - 48" to 84" PIPES
07/12	SD 6.30 (4 OF 5)	PIPE CULVERT HEADWALLS - SKEWED INLET AND OUTLET - 48" to 84" PIPES
07/12	SD 6.30 (5 OF 5)	PIPE CULVERT HEADWALLS - MULTI-PIPE - 48" to 84" PIPES
07/12	SD 6.31 (1 OF 8)	PIPE CULVERT HEADWALLS - RIGHT ANGLE INLET
07/12	SD 6.31 (2 OF 8)	PIPE CULVERT HEADWALLS - RIGHT ANGLE INLET - 2 :1 SLOPE
07/12	SD 6.31 (3 OF 8)	PIPE CULVERT HEADWALLS - RIGHT ANGLE INLET - 4 :1 SLOPE
07/12	SD 6.31 (4 OF 8)	PIPE CULVERT HEADWALLS - RIGHT ANGLE INLET - 6 :1 SLOPE
07/12	SD 6.31 (5 OF 8)	PIPE CULVERT HEADWALLS - RIGHT ANGLE OUTLET
07/12	SD 6.31 (6 OF 8)	PIPE CULVERT HEADWALLS - RIGHT ANGLE OUTLET - 2 :1 SLOPE
07/12	SD 6.31 (7 OF 8)	PIPE CULVERT HEADWALLS - RIGHT ANGLE OUTLET - 4 :1 SLOPE
07/12	SD 6.31 (8 OF 8)	PIPE CULVERT HEADWALLS - RIGHT ANGLE OUTLET - 6 :1 SLOPE
07/12	SD 6.32 (1 OF 8)	PIPE CULVERT HEADWALLS - 15° SKEW INLET
07/12	SD 6.32 (2 OF 8)	PIPE CULVERT HEADWALLS - 15° SKEW INLET - 2 :1 SLOPE
07/12	SD 6.32 (3 OF 8)	PIPE CULVERT HEADWALLS - 15° SKEW INLET - 4 :1 SLOPE
07/12	SD 6.32 (4 OF 8)	PIPE CULVERT HEADWALLS - 15° SKEW INLET - 6 :1 SLOPE
07/12	SD 6.32 (5 OF 8)	PIPE CULVERT HEADWALLS - 15° SKEW OUTLET
07/12	SD 6.32 (6 OF 8)	PIPE CULVERT HEADWALLS - 15° SKEW OUTLET - 2 :1 SLOPE
07/12	SD 6.32 (7 OF 8)	PIPE CULVERT HEADWALLS - 15° SKEW OUTLET - 4 :1 SLOPE
07/12	SD 6.32 (8 OF 8)	PIPE CULVERT HEADWALLS - 15° SKEW OUTLET - 6 :1 SLOPE

DATE	STANDARD	SUBJECT TITLE
DRAINAGE STRUCTURES (Continued)		
07/12	SD 6.33 (1 OF 8)	PIPE CULVERT HEADWALLS - 30° SKEW INLET
07/12	SD 6.33 (2 OF 8)	PIPE CULVERT HEADWALLS - 30° SKEW INLET - 2 :1 SLOPE
07/12	SD 6.33 (3 OF 8)	PIPE CULVERT HEADWALLS - 30° SKEW INLET - 4 :1 SLOPE
07/12	SD 6.33 (4 OF 8)	PIPE CULVERT HEADWALLS - 30° SKEW INLET - 6 :1 SLOPE
07/12	SD 6.33 (5 OF 8)	PIPE CULVERT HEADWALLS - 30° SKEW OUTLET
07/12	SD 6.33 (6 OF 8)	PIPE CULVERT HEADWALLS - 30° SKEW OUTLET - 2 :1 SLOPE
07/12	SD 6.33 (7 OF 8)	PIPE CULVERT HEADWALLS - 30° SKEW OUTLET - 4 :1 SLOPE
07/12	SD 6.33 (8 OF 8)	PIPE CULVERT HEADWALLS - 30° SKEW OUTLET - 6 :1 SLOPE
07/12	SD 6.34 (1 OF 8)	PIPE CULVERT HEADWALLS - 45° SKEW INLET
07/12	SD 6.34 (2 OF 8)	PIPE CULVERT HEADWALLS - 45° SKEW INLET - 2 :1 SLOPE
07/12	SD 6.34 (3 OF 8)	PIPE CULVERT HEADWALLS - 45° SKEW INLET - 4 :1 SLOPE
07/12	SD 6.34 (4 OF 8)	PIPE CULVERT HEADWALLS - 45° SKEW INLET - 6 :1 SLOPE
07/12	SD 6.34 (5 OF 8)	PIPE CULVERT HEADWALLS - 45° SKEW OUTLET
07/12	SD 6.34 (6 OF 8)	PIPE CULVERT HEADWALLS - 45° SKEW OUTLET - 2 :1 SLOPE
07/12	SD 6.34 (7 OF 8)	PIPE CULVERT HEADWALLS - 45° SKEW OUTLET - 4 :1 SLOPE
07/12	SD 6.34 (8 OF 8)	PIPE CULVERT HEADWALLS - 45° SKEW OUTLET - 6 :1 SLOPE
07/12	SD 6.35 (1 OF 2)	PIPE CULVERT HEADWALLS - MULTI-PIPE WITHOUT APRON
07/12	SD 6.35 (2 OF 2)	PIPE CULVERT HEADWALLS - MULTI-PIPE WITH OUTLET APRON
07/12	SD 6.36 (1 OF 4)	PIPE CULVERT HEADWALLS - OUTLET APRONS
07/12	SD 6.36 (2 OF 4)	PIPE CULVERT HEADWALLS - OUTLET APRON STEEL LIST - 2 :1 SLOPE
07/12	SD 6.36 (3 OF 4)	PIPE CULVERT HEADWALLS - OUTLET APRON STEEL LIST - 4 :1 SLOPE
07/12	SD 6.36 (4 OF 4)	PIPE CULVERT HEADWALLS - OUTLET APRON STEEL LIST - 6 :1 SLOPE
RETAINING WALLS		
10/24	SD 7.01 (1 OF 5)	RETAINING WALL (REINFORCED CONCRETE CANTILEVER)
12/21	SD 7.01 (2 OF 5)	RETAINING WALL (REINFORCED CONCRETE CANTILEVER)
12/21	SD 7.01 (3 OF 5)	RETAINING WALL (REINFORCED CONCRETE CANTILEVER)
12/21	SD 7.01 (4 OF 5)	RETAINING WALL (REINFORCED CONCRETE CANTILEVER)
12/21	SD 7.01 (5 OF 5)	RETAINING WALL (REINFORCED CONCRETE CANTILEVER)
12/21	SD 7.02 (1 OF 2)	RETAINING WALL (MASONRY CANTILEVER)
12/21	SD 7.02 (2 OF 2)	RETAINING WALL (MASONRY CANTILEVER)
SOUND BARRIER WALLS		
06/22	SD 8.01	SOUND BARRIER WALL (CONCRETE)
06/22	SD 8.02 (1 OF 2)	SOUND BARRIER WALL (MASONRY)
06/22	SD 8.02 (2 OF 2)	SOUND BARRIER WALL (MASONRY)
TRAFFIC STRUCTURES		
04/19	SD 9.01 (1 OF 5)	MEDIAN SIGN STRUCTURE (TWO SIDED) - ELEVATION & NOTES
03/22	SD 9.01 (2 OF 5)	MEDIAN SIGN STRUCTURE (TWO SIDED) - FOUNDATION DETAILS
04/19	SD 9.01 (3 OF 5)	MEDIAN SIGN STRUCTURE (TWO SIDED) - TYPE A SIGN MOUNT ASSEMBLY
04/19	SD 9.01 (4 OF 5)	MEDIAN SIGN STRUCTURE (TWO SIDED) - TYPE B SIGN MOUNT ASSEMBLY
04/19	SD 9.01 (5 OF 5)	MEDIAN SIGN STRUCTURE (TWO SIDED) - LIGHT SUPPORT AND MISC. DETAILS
04/19	SD 9.02 (1 OF 5)	MEDIAN SIGN STRUCTURE (ONE SIDED) - ELEVATION & NOTES
03/22	SD 9.02 (2 OF 5)	MEDIAN SIGN STRUCTURE (ONE SIDED) - FOUNDATION DETAILS
04/19	SD 9.02 (3 OF 5)	MEDIAN SIGN STRUCTURE (ONE SIDED) - TYPE A SIGN MOUNT ASSEMBLY
04/19	SD 9.02 (4 OF 5)	MEDIAN SIGN STRUCTURE (ONE SIDED) - TYPE B SIGN MOUNT ASSEMBLY
04/19	SD 9.02 (5 OF 5)	MEDIAN SIGN STRUCTURE (ONE SIDED) - LIGHT SUPPORT AND MISC. DETAILS
04/19	SD 9.10 (1 OF 5)	TUBULAR SIGN STRUCTURES - TUBULAR CANTILEVER - GENERAL PLAN
09/23	SD 9.10 (2 OF 5)	TUBULAR SIGN STRUCTURES - TUBULAR CANTILEVER - FOUNDATION DETAILS
04/19	SD 9.10 (3 OF 5)	TUBULAR SIGN STRUCTURES - TUBULAR CANTILEVER - POST AND MAST ARM DETAILS
04/19	SD 9.10 (4 OF 5)	TUBULAR SIGN STRUCTURES - TUBULAR CANTILEVER - SIGN SUPPORT DETAILS
09/23	SD 9.10 (5 OF 5)	TUBULAR SIGN STRUCTURES - TUBULAR CANTILEVER - LIGHT SUPPORT DETAILS
04/19	SD 9.20 (1 OF 5)	TUBULAR SIGN STRUCTURES - TUBULAR FRAME - GENERAL PLAN
09/23	SD 9.20 (2 OF 5)	TUBULAR SIGN STRUCTURES - TUBULAR FRAME - FOUNDATION DETAILS
04/19	SD 9.20 (3 OF 5)	TUBULAR SIGN STRUCTURES - TUBULAR FRAME - POST AND MAST ARM DETAILS
04/19	SD 9.20 (4 OF 5)	TUBULAR SIGN STRUCTURES - TUBULAR FRAME - SIGN SUPPORT DETAILS
09/23	SD 9.20 (5 OF 5)	TUBULAR SIGN STRUCTURES - TUBULAR FRAME - LIGHT SUPPORT AND MISC. DETAILS
04/19	SD 9.50 (1 OF 5)	VARIABLE MESSAGE SIGN - TUBULAR FRAME - PLAN & ELEVATION
04/19	SD 9.50 (2 OF 5)	VARIABLE MESSAGE SIGN - TUBULAR FRAME - MOUNTING DETAILS
04/19	SD 9.50 (3 OF 5)	VARIABLE MESSAGE SIGN - TUBULAR FRAME - MOUNTING & SIGN BRACKET DETAILS
04/19	SD 9.50 (4 OF 5)	VARIABLE MESSAGE SIGN - CATWALK - HANDRAIL DETAILS
04/19	SD 9.50 (5 OF 5)	VARIABLE MESSAGE SIGN - CATWALK - MISCELLANEOUS DETAILS
04/19	SD 9.51	DUAL VARIABLE MESSAGE SIGN - TUBULAR FRAME
04/19	SD 9.52 (1 OF 5)	DYNAMIC MESSAGE SIGN - TUBULAR FRAME - PLAN & ELEVATION
04/19	SD 9.52 (2 OF 5)	DYNAMIC MESSAGE SIGN - TUBULAR FRAME - MOUNTING DETAILS
04/19	SD 9.52 (3 OF 5)	DYNAMIC MESSAGE SIGN - TUBULAR FRAME - MOUNTING DETAILS
04/19	SD 9.52 (4 OF 5)	DYNAMIC MESSAGE SIGN - CATWALK - HANDRAIL DETAILS
04/19	SD 9.52 (5 OF 5)	DYNAMIC MESSAGE SIGN - CATWALK - MISCELLANEOUS DETAILS
04/19	SD 9.53 (1 OF 5)	DMS (VARIABLE TILT CABINET) - TUBULAR FRAME - PLAN & ELEVATION
04/19	SD 9.53 (2 OF 5)	DMS (VARIABLE TILT CABINET) - TUBULAR FRAME - MOUNTING DETAILS
04/19	SD 9.53 (3 OF 5)	DMS (VARIABLE TILT CABINET) - TUBULAR FRAME - MOUNTING DETAILS
04/19	SD 9.53 (4 OF 5)	DMS (VARIABLE TILT CABINET) - CATWALK - HANDRAIL DETAILS
04/19	SD 9.53 (5 OF 5)	DMS (VARIABLE TILT CABINET) - CATWALK - MISCELLANEOUS DETAILS
05/22	SD 9.60 (1 OF 7)	DYNAMIC MESSAGE SIGN (BUTTERFLY) - GENERAL PLAN AND ELEVATION
05/22	SD 9.60 (2 OF 7)	DYNAMIC MESSAGE SIGN (BUTTERFLY) - FOUNDATION DETAILS
05/22	SD 9.60 (3 OF 7)	DYNAMIC MESSAGE SIGN (BUTTERFLY) - DMS MONOTUBE ASSEMBLY
05/22	SD 9.60 (4 OF 7)	DYNAMIC MESSAGE SIGN (BUTTERFLY) - DMS MAST ARM DETAILS
05/22	SD 9.60 (5 OF 7)	DYNAMIC MESSAGE SIGN (BUTTERFLY) - MISCELLANEOUS DETAIL
05/22	SD 9.60 (6 OF 7)	DYNAMIC MESSAGE SIGN (BUTTERFLY) - CATWALK ASSEMBLY AND HANDRAIL
05/22	SD 9.60 (7 OF 7)	DYNAMIC MESSAGE SIGN (BUTTERFLY) - CATWALK DETAILS

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

	NAME	DATE
STRUCTURES STANDARDS	Brain Grimaldi	06/2025

PROJECT NO.			
187 PN 186 F0641 01C		1D OF 160	
RECORD DRAWING DATA	FEDERAL ID NO. 187-A(200)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

☑ National Pollutant Discharge Elimination System (NPDES) CGP coverage applies (104SWEPA needed)

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

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

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

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

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

The contractor shall avoid nests with relocation directions.

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

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

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

BIO-3: Burrowing Owls ☑ N/A

BIO-4: Bats ☑ N/A

BIO-5: Sonoran Desert Tortoise ☐ No ☒ Yes

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

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

☑ Noxious Species Control Plan (NSCP) required

6. CULTURAL RESOURCES PROGRAM

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

☐ **Training** needed for cultural resources, refer to Section 10 of the EPIC Sheet and/or Section 104.17 of the Special Provisions for detailed instructions.

☒ **Fencing** needed for cultural resources, refer to Section 10 of the EPIC Sheet and Section 104.17 of the Special Provisions for detailed instructions.

☐ **Qualified Monitor** needed, Pre-construction coordination required with qualified archaeologist regarding construction schedule and associated monitoring efforts.

☒ **Avoid** all fenced and/or otherwise designated sensitive resource areas within or adjacent to the project area as indicated on plan sheets and/or in Section 10 of the EPIC Sheet.

☐ **Data recovery** needed, refer to Section 10 of the EPIC sheet for detailed instructions.

7. HAZARDOUS MATERIALS PROGRAM

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

☐ No Hazardous Materials Program Action Required

Is Asbestos present? ☑ No ☐ Yes

Is a NESHAP notice required? ☐ No ☒ Yes

If yes, coordination with the ADOT Hazardous Materials Specialist is required and the NESHAP notification shall be submitted at least ten (10) business days prior to initiation of construction activities to: Gila River Indian Community Department of Environmental Quality

Is Lead-based paint present? ☑ No ☐ Yes

8. NOISE PROGRAM

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

9. AIR QUALITY PROGRAM

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

10. OTHER ENVIRONMENTAL ISSUES

Project Specific Environmental Commitments: ☐ N/A

- The contractor shall complete a National Standards for Hazardous Air Pollutants (NESHAP) notification for the work associated with Bridge repair work on Southside Canal Bridge (Str No 02356) and wingwall removal and submit to the Engineer, who shall submit it to the Arizona Department of Transportation environmental planning hazardous material coordinator (602.920.3882) for a five (5) working day review and approval. Upon approval, the contractor shall file the notification with Gila River Indian Community Department of Environmental Quality at least ten (10) working days prior to the commencement of work.
- For milling activities, the roadway surface preceding the milling machine shall be kept sufficiently wet so as to prevent the generation of any visible fugitive dust particles, but not so wet as to cause excess runoff from the roadway surface onto the roadway shoulder.
- The contractor shall avoid all fenced and/or otherwise designated sensitive cultural resource areas within or adjacent to the project area.
- The Contractor shall contact the Engineer to provide the Archaeological and Cultural Site Protection Plan at least five (5) working days before the pre-construction conference.
- No project activities, including the parking of vehicles, may extend into the fenced avoidance area. The fenced avoidance area is offset from the pavement by at least 30 feet along the following location:
  - SR 187 between milepost 189.65 and milepost 189.70, southbound shoulder
- The contractor shall not place embedded traffic control signs in the following locations:
  - SR 87 between milepost 147.75 and milepost 147.85, northbound/southbound shoulders
- The contractor shall develop a containment plan for debris and construction materials to avoid contamination of Southside Canal at no additional cost to the Department. The containment plan shall be approved by the Engineer prior to construction.

Arizona Department of Transportation Environmental Planning Standard Template			
Environmental, Permits, Issues, And Commitments (EPIC) Sheet			
Environmental Planner Name	Sarah Karasz	R.E. Name	
Environmental Planning Date of Completion	4/22/2025	R.E. Signature	
FEDERAL ID NO.	187-A(200)T		
PROJECT NO.	187 PN 186 F0641 01C	With the above signature, the R.E. attests that all EPIC work for this project has been satisfactorily completed.	
REC DWG DATE: _____ OF _____		_____ OF _____	Sheet 1F

MIDPOINT OF PROJECT

Central Zone
State Plane Coordinates

X = 758,072
Y = 742,529

EARTHWORK QUANTITIES

Roadway Excavation	*31,029 CY*
Shrink	*(3,103) CY*
Structural Excavation	*184 CY*
Shrink	*(18) CY*
Total Excavation Available For Use	*28,092 CY*
Embankment (Incl Gnd Comp)	*12,747 CY*
Waste	*15,345 CY*

Import (Not Included Above)	
Pipe Backfill	*53 CY*
Structural Backfill	*80 CY*

EARTHWORK FACTORS

Station	Shrink/Swell	Ground Compaction
Project Limits	10% Shrink	0.20'

LOOP DETECTOR / CLASSIFIER SYSTEMS

Std T.S. 6-1 Type C = Traffic Counter
Std T.S. 6-2 Type SA or SB = Speed and Vehicle Class

Systems	Type	Approximate Location
T.S. 6-2	SA 6-2	Sta 1123+00± / MP 189.20 ***

**** Existing Traffic Loop Counter shall be removed at no additional cost to the department.*

DESIGN DATA

2024 AADT = 4,257
2034 AADT = 5,616
2040 AADT = 6,631

Design Speed

SR 187	*= 55 MPH*
SR 87	*= 65 MPH*
Casa Grande Road	*= 55 MPH*

LENGTH OF PROJECT

MP 186.79 TO MP 192.19

SR 187 Cst CL
Sta 1000+00.00 to Sta 1281+23.37 = 28,123.37'
Total Length = 28,123.37' = 5.32 Miles

SR 87 Cst CL
Sta 200+00.00 to Sta 212+50.00 = 1250.00'
Total Length = 1250.00' = .24 Miles

Casa Grande Road Cst CL
Sta 100+00.00 to Sta 105+00.00 = 500.00'
Total Length = 500.00' = .09 Miles

GENERAL NOTES

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

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

For R/W additional information, see Right-of-Way Project No. 010 PN 188 H6905 D-11-T-478.

Bench markers will be furnished by the State and shall be placed by the Contractor at no additional cost to the Department: Std C-21.20.

Pavement lift thickness is nominal.

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

Delineators, object markers and mile post markers shall be removed and reset as required at no additional cost to the Department.

The average project elevation is 1,400.

Changes in location or length of spillway or downdrain installation may be made by the Engineer to improve drainage conditions.

Survey Monuments in median must not be disturbed. If monuments are disturbed as a result of the contractor's operation, the contractor shall replace them at no additional cost to the Department.

Slope rounding shall be applied per Std C-02 series unless otherwise noted.

New Right of Way is not required. Tribal Acknowledgement needed.

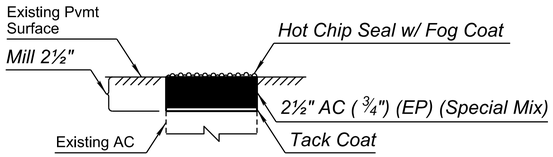
The pavement shoulders shall be treated with a rumble strip: see Traffic sheets.

ABBREVATIONS

LWC — *Low-Water Crossing*

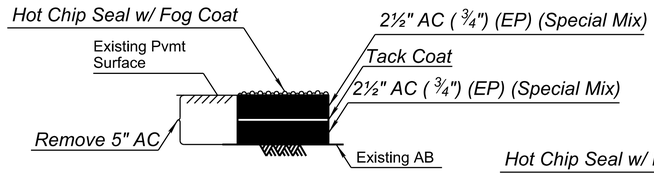
INDEX OF SHEETS

SHEET NO.	DWG NO.	SHEET TYPE
		GENERAL
1	1	Face Sheet
1A - 1D	1A - 1D	ADOT Standard Drawings
1F	1F	EPIC Sheet
2	G-01.01	Design Sheet & Index Sheet
3 - 8	G-02.01 - G-02.06	Typical Sections
9	G-03.01	Barrier Summary Sheet
10	G-04.01	Pipe Summary Sheet
11	G-05.01	Box Culvert Summary Sheet
12	G-06.01	Detail Sheet
		CIVIL
13 - 17	C-01.01 - C-01.05	Survey Control Sheets
18	C-02.01	Geometric Data and Layout Sheet
19	C-03.01	Key Map
20 - 30	C-04.01 - C-04.11	Removal Sheets
31 - 41	C-05.01 - C-05.11	Plan Sheets
42 - 68	C-06.01 - C-06.11	Roadway Staking Sheets
69 - 70	C-07.01 - C-07.02	Intersection Staking Sheets
		DRAINAGE
71 - 79	D-01.01 - D-01.09	Low Flow Crossing Detail Sheets
80 - 85	D-02.01 - D-02.06	Culvert Extension Detail Sheets
		TRAFFIC
86 - 92	T-01.01 - T-01.07	Traffic Control Sheets
93	T-02.01	Pavement Marking General Notes Sheet
94 - 104	T-03.01 - T-03.11	Pavement Marking Sheets
105	T-04.01	Signing General Notes Sheet
106 - 109	T-05.01 - T-05.04	Signing Summary Sheets
110 - 122	T-06.01 - T-06.11	Signing Sheets
123 - 124	T-07.01 - T-07.02	Sign Formats
125 - 130	T-08.01 - T-08.06	Traffic Signal Plan Sheets
		STORMWATER QUALITY PROTECTION
131 - 141	R-01.01 - R-01.11	Seeding Plan Sheets
142	R-02.01	Control Measure Index Sheet (CMIS)
143	R-03.01	Erosion & Sediment Control Summary
144 - 146	R-04.01 - R-04.03	Erosion & Sediment Control Detail Sheets
147 - 157	R-05.01 - R-05.11	Erosion & Sediment Control Plan Sheets
		STRUCTURES
158	S-01.01	South Side Canal Bridge - Plan View, Quantities, General Notes
159	S-01.02	South Side Canal Bridge - Removal Details
160	S-01.03	South Side Canal Bridge - Barrier Details



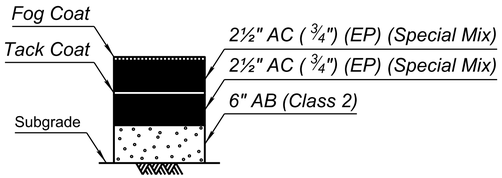
Total Thickness = 2.5"

SECTION NO. 1



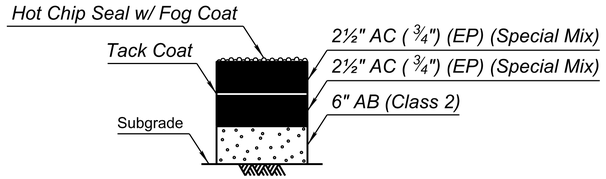
Total Thickness = 5"

SECTION NO. 3



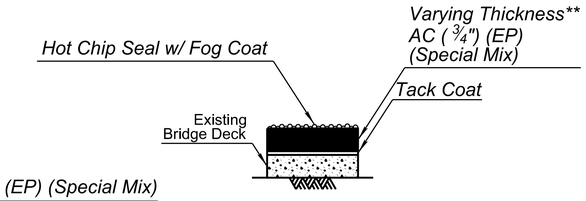
Total Thickness = 11"

SECTION NO. 2



Total Thickness = 11"

SECTION NO. 4



Total Thickness = 5"

SECTION NO. 5

*** Pavement thickness over existing bridge deck will vary to create .01'/ft cross slope. Pavement will be 2" thick on edges of bridge and 5" thick at the centerline of bridge.*

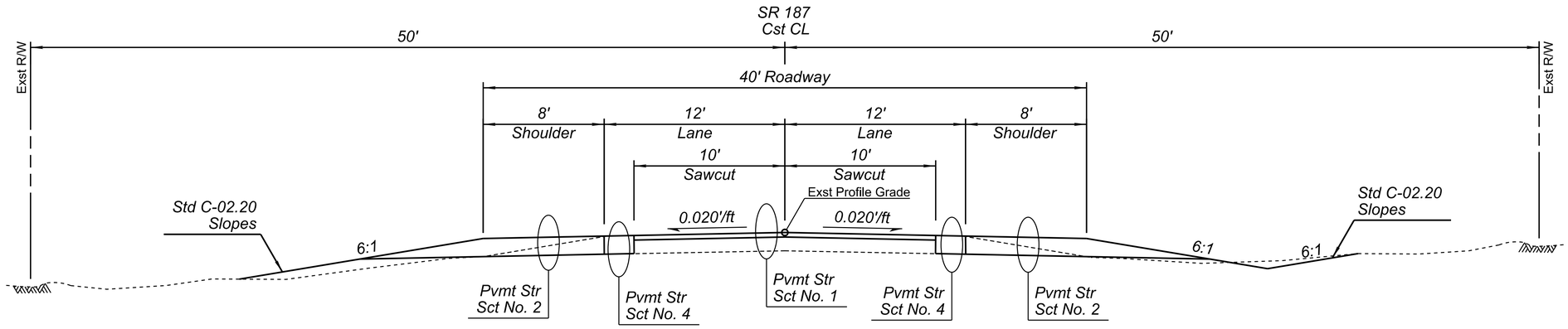
	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

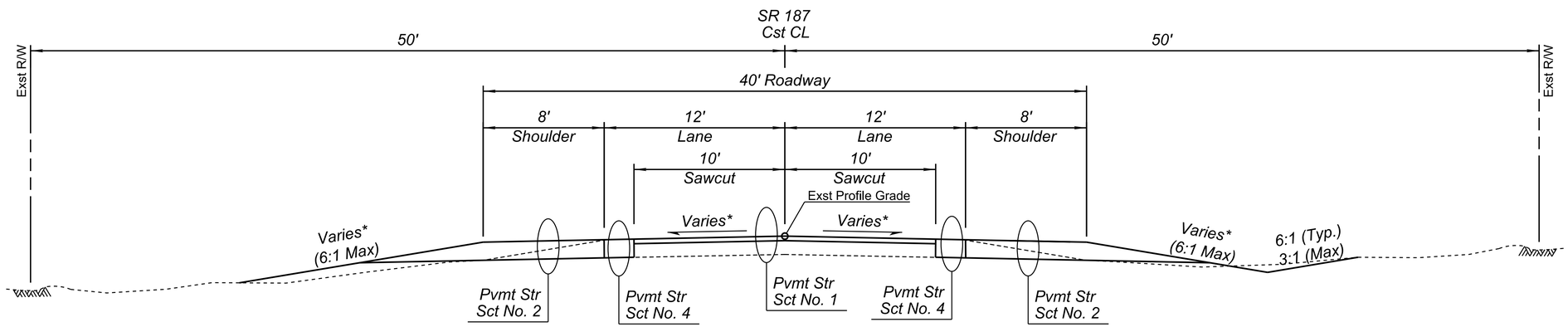
DESIGN SHEET AND INDEX SHEET

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187		ARIZ.	187 PN 186	187-A(200)T	2	160	
MILEPOST	LOCATION	SR 187: SR 387 TO SR 87				DWG NO. G-01.01	
STRUCTURE NO.	TRACS NO. F0641 01C	ADOT				___ OF___	



TYPICAL SECTION

SR 187 Cst CL
Sta 1000+00.00 to 1039+60.00
Sta 1043+15.00 to 1048+60.00
Sta 1052+40.00 to 1070+30.00
Sta 1074+20.00 to 1083+15.00
Sta 1096+90.00 to 1130+00.00
Sta 1134+50.00 to 1151+40.00
Sta 1156+95.00 to 1169+64.00
Sta 1173+70.00 to 1192+00.00
Sta 1196+50.00 to 1197+90.00
Sta 1203+70.00 to 1218+40.00



TYPICAL SECTION

SR 187 Cst CL - Transition to LWC
Sta 1039+60.00 to 1040+60.00
Sta 1042+14.00 to 1043+15.00
Sta 1048+60.00 to 1049+63.00
Sta 1051+25.00 to 1052+40.00
Sta 1070+30.00 to 1071+36.00
Sta 1073+10.00 to 1074+20.00
Sta 1169+64.00 to 1171+04.00
Sta 1172+70.00 to 1173+70.00

** See Roadway Staking Sheets*

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40884 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

TYPICAL SECTIONS
SR 187

ROUTE	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187	ARIZ.	187 PN 186	187-A(200)T	3	160	

MILEPOST

STRUCTURE NO.

F.H.W.A. Arizona Division

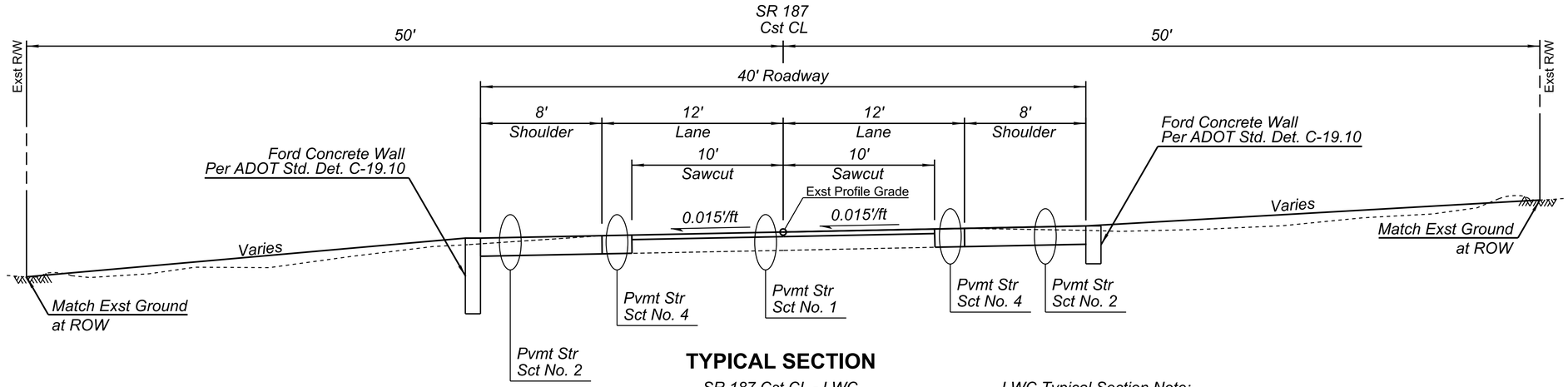
LOCATION: SR 187: SR 387 TO SR 87

TRACS NO. F0641 01C

ADOT

DWG NO. G-02.01

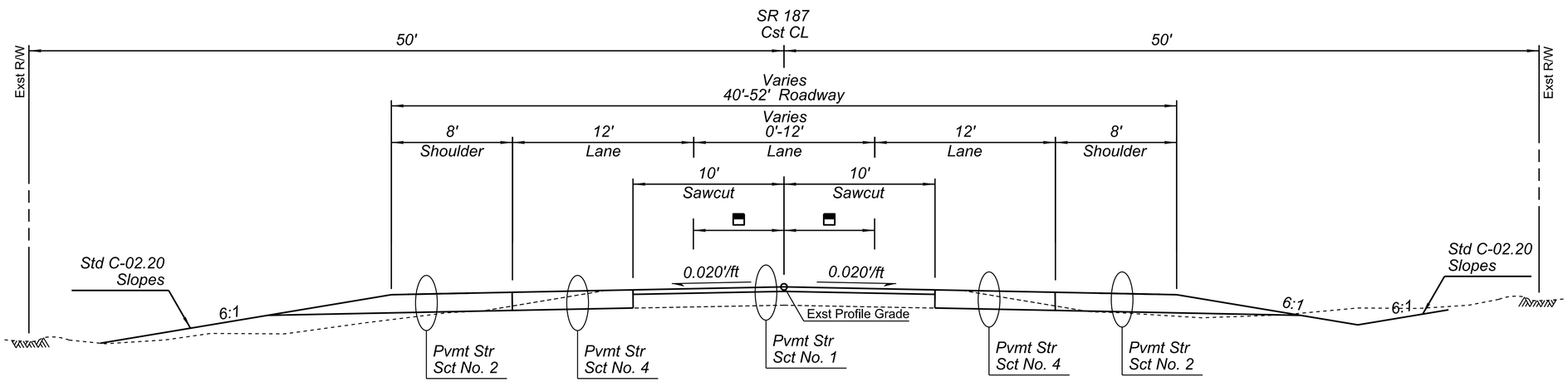
____ OF ____



TYPICAL SECTION

SR 187 Cst CL - LWC
Sta 1040+60.00 to 1042+14.00
Sta 1049+63.00 to 1051+25.00
Sta 1071+36.00 to 1073+10.00
Sta 1171+04.00 to 1172+70.00

LWC Typical Section Note:
See ADOT Std. Det. C-19.10 &
Dwg. No. D-01.01 thru D-01.09
For Additional Information.



TYPICAL SECTION

SR 187 Cst CL
Sta 1083+15.00 to 1087+30.00
Sta 1091+00.00 to 1096+90.00

SR 187 Cst CL
Sta 1083+15.00 to 1086+45.00, 0' to 6'
Sta 1086+45.00 to 1087+30.00, 6'
Sta 1091+00.00 to 1096+60.00, 6'
Sta 1093+60.00 to 1096+90.00, 6' to 0'

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40884 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

TYPICAL SECTIONS
SR 187

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	187 PN 186	187-A(200)T	4	160	

LOCATION SR 187: SR 387 TO SR 87

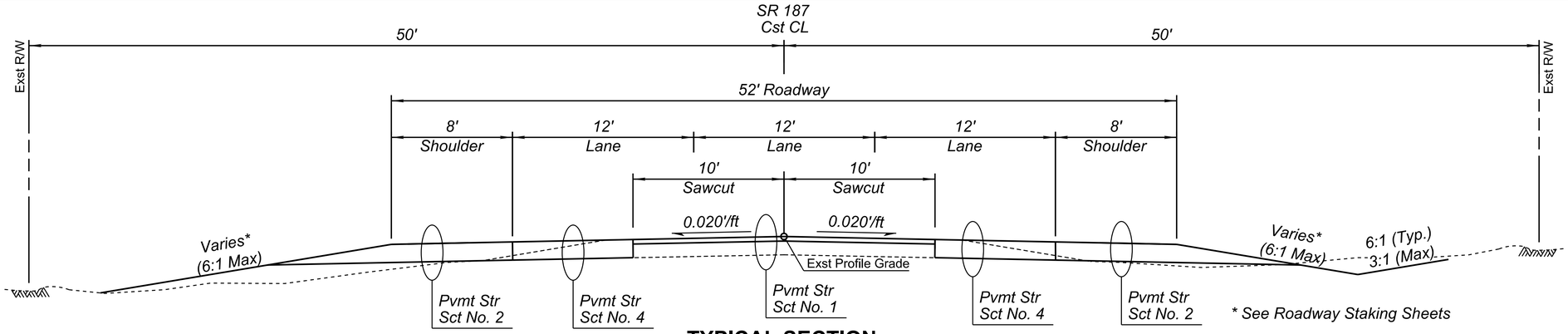
DWG NO. G-02.02

TRACS NO. F0641 01C

ADOT

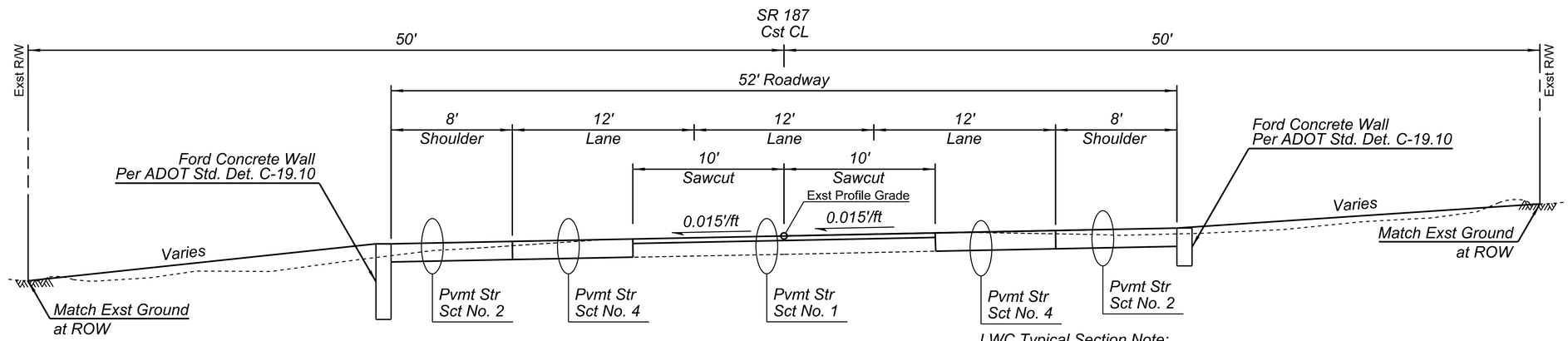
____ OF ____

8:14:15 AM 6/5/2025 RJNelson c:\users\rjnelson\appdata\local\bentley\projectwise\wci_projects\d0675567\F0641_Typical Sections_02.dgn



TYPICAL SECTION

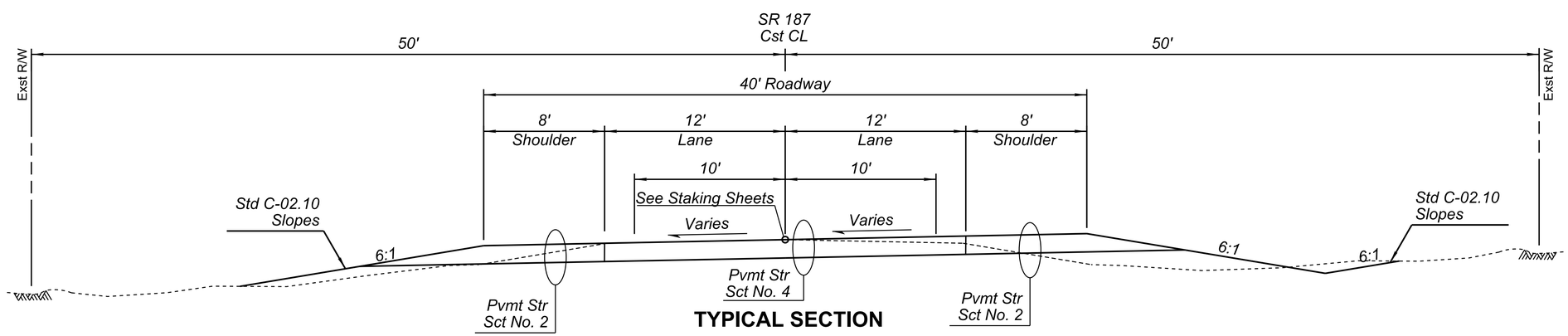
SR 187 Cst CL - Transition to LWC
Sta 1087+30.00 to 1088+31.00 Sta 1089+79.00 to 1091+00.00



TYPICAL SECTION

SR 187 Cst CL - LWC
Sta 1088+31.00 to 1089+79.00

LWC Typical Section Note:
See ADOT Std. Det. C-19.10 &
Dwg. No. D-01.01 thru D-01.09
For Additional Information.



TYPICAL SECTION

SR 187 Cst CL
Sta 1192+00.00 to 1196+50.00

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40894 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

TYPICAL SECTIONS
SR 187

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division

STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	187 PN 186	187-A(200)T	5	160	

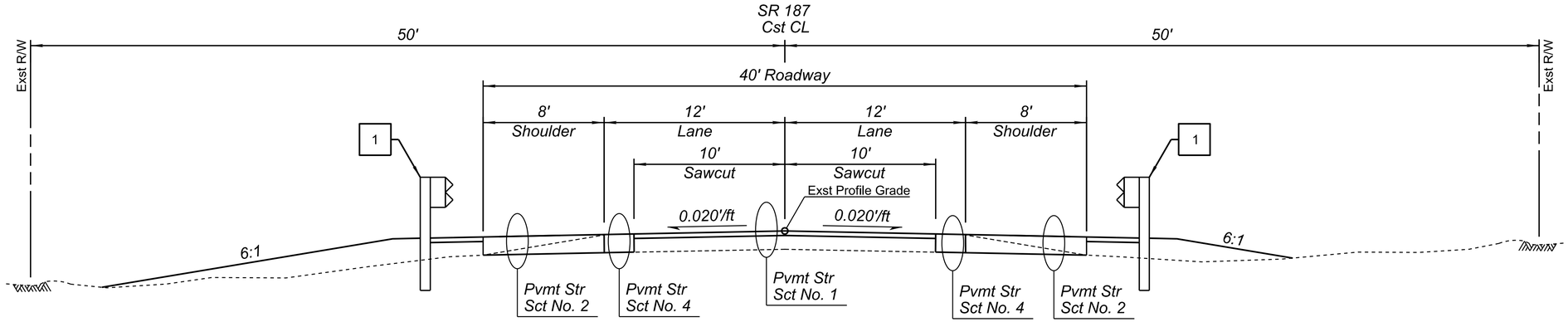
LOCATION SR 187: SR 387 TO SR 87

TRACS NO. F0641 01C

ADOT

DWG NO. G-02.03

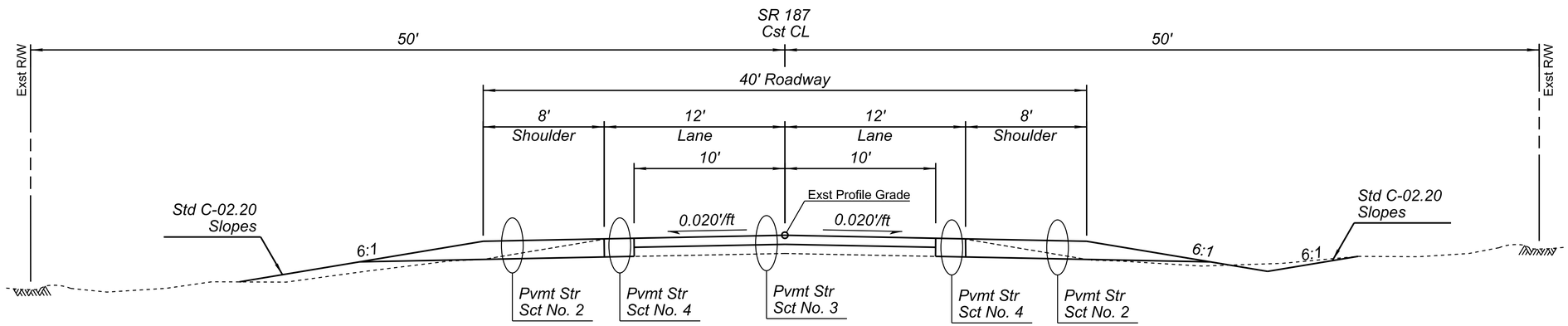
____ OF____



TYPICAL SECTION

SR 187 Cst CL
Sta 1151+40.00 to 1156+95.00
Sta 1197+90.00 to 1200+61.66
Sta 1201+10.15 to 1203+70.00

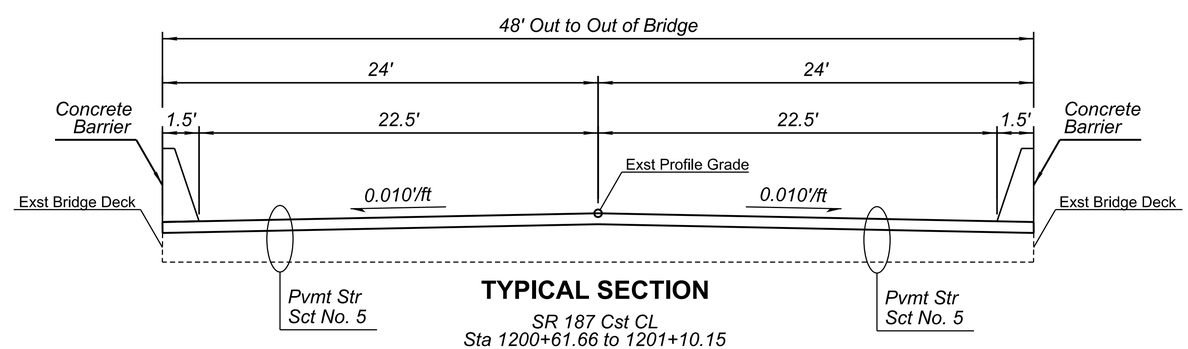
1 Guardrail (See Plans for Type and Location)



TYPICAL SECTION

SR 187 Cst CL
Sta 1218+40.00 to 1219+50.00
Sta 1222+75.00 to 1243+30.00
Sta 1246+40.00 to 1256+25.00

SR 187 Cst CL
Sta 1259+30.00 to 1266+00.00
Sta 1269+00.00 to 1275+25.00



TYPICAL SECTION

SR 187 Cst CL
Sta 1200+61.66 to 1201+10.15

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

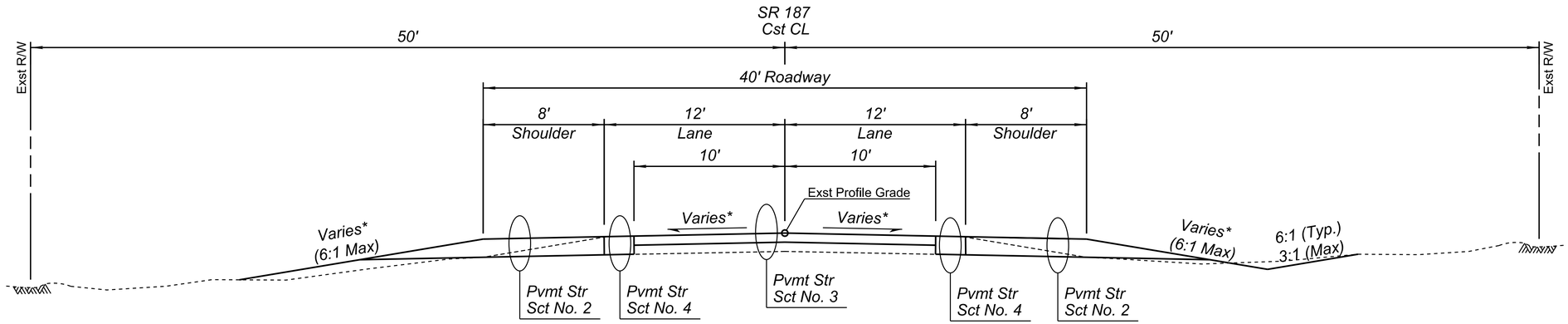
REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40884 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

TYPICAL SECTIONS
SR 187

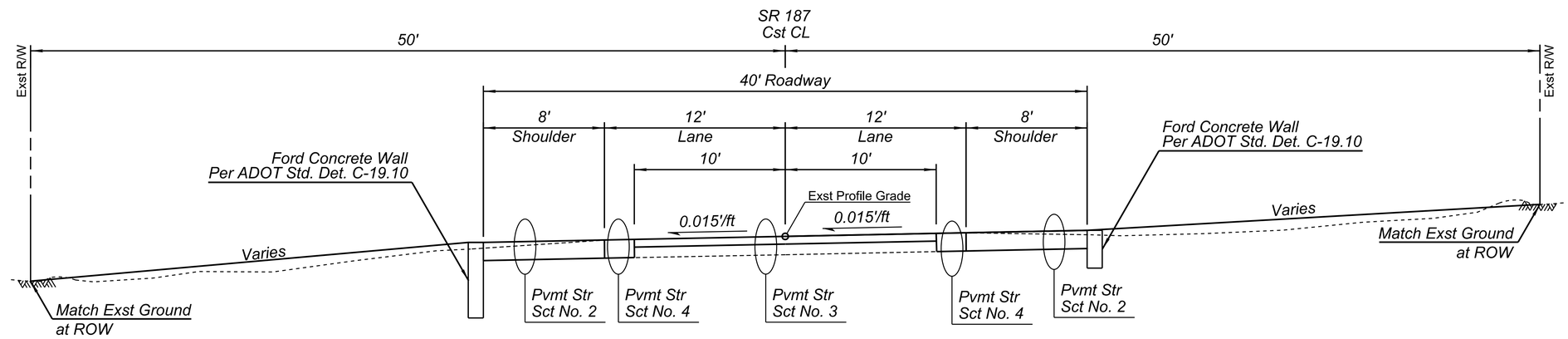
ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187		ARIZ.	187 PN 186	187-A(200)T	6	160	
MILEPOST	LOCATION	SR 187: SR 387 TO SR 87					DWG NO. G-02.04
STRUCTURE NO.	TRACS NO. F0641 01C	ADOT					____ OF____



TYPICAL SECTION

SR 187 Cst CL - Transition to LWC
Sta 1219+50.00 to 1220+62.00
Sta 1221+75.00 to 1222+75.00
Sta 1243+30.00 to 1244+38.00
Sta 1245+40.00 to 1246+40.00
Sta 1256+25.00 to 1257+25.00
Sta 1258+29.00 to 1259+30.00
Sta 1266+00.00 to 1266+96.00
Sta 1268+00.00 to 1269+00.00

** See Roadway Staking Sheets*



TYPICAL SECTION

SR 187 Cst CL - LWC
Sta 1220+62.00 to 1221+75.00
Sta 1244+38.00 to 1245+40.00
Sta 1257+25.00 to 1258+29.00
Sta 1266+96.00 to 1268+00.00

LWC Typical Section Note:
See ADOT Std. Det. C-19.10 &
Dwg. No. D-01.01 thru D-01.09
For Additional Information.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

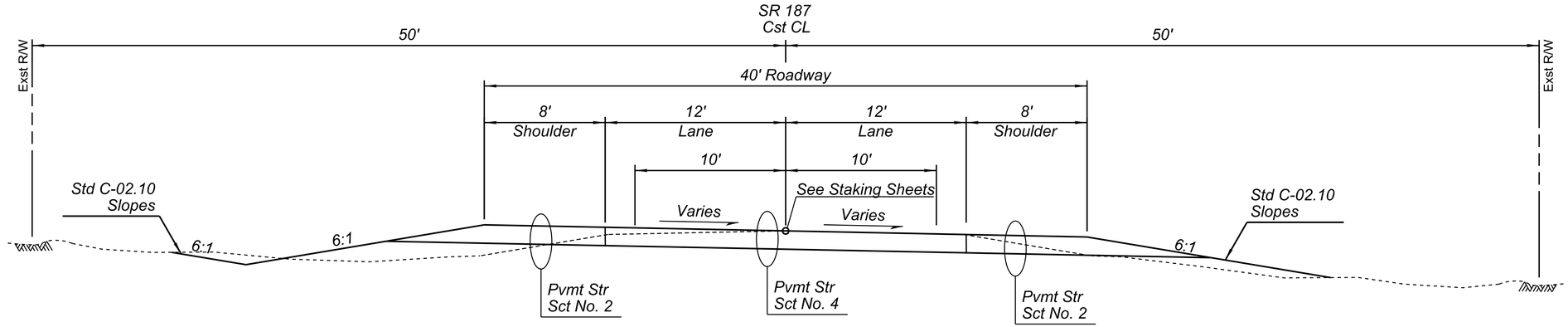
REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40854 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

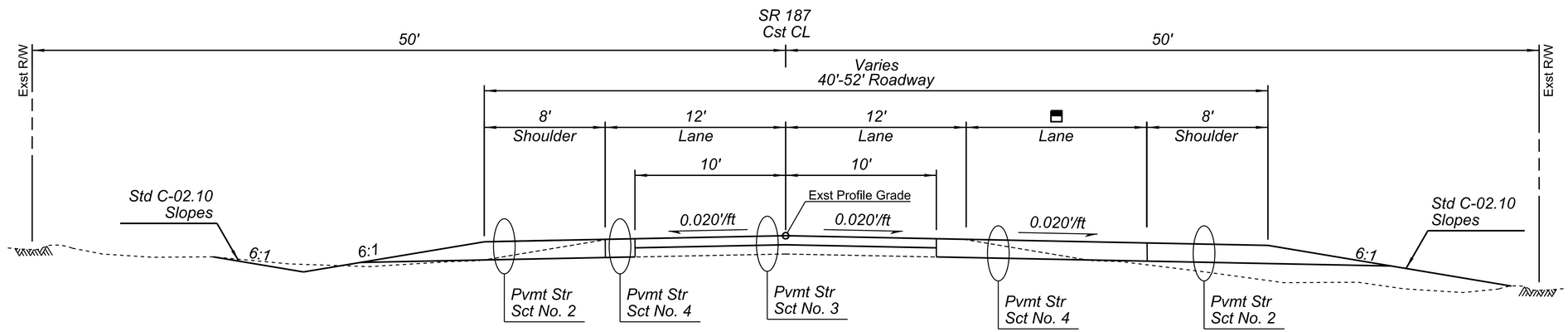
TYPICAL SECTIONS
SR 187

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187		ARIZ.	187 PN 186	187-A(200)T	7	160	
MILEPOST	LOCATION	SR 187: SR 387 TO SR 87					DWG NO. G-02.05
STRUCTURE NO.	TRACS NO. F0641 01C	ADOT					____ OF____



TYPICAL SECTION

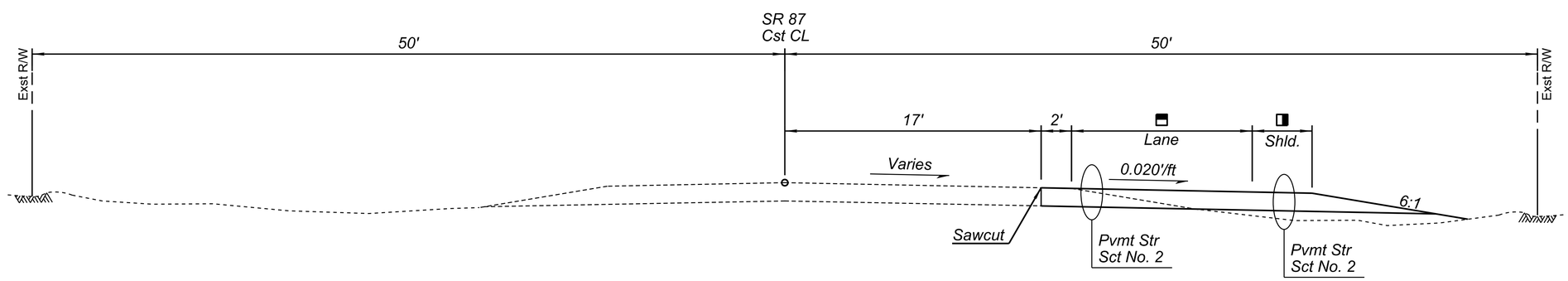
SR 187 Cst CL
Sta 1130+00.00 to 1134+50.00



TYPICAL SECTION

SR 187 Cst CL
Sta 1275+25.00 to 1281+05.64

SR 187 Cst CL
Sta 1275+25.00 to 1276+65.00, 0' to 12'
Sta 1276+65.00 to 1280+25.00, 12'



TYPICAL SECTION

SR 87 Cst CL
Sta 200+72.26 to 206+27.26

SR 87 Cst CL
Sta 200+72.26 to 202+12.26, 0' to 12'
Sta 202+12.26 to 206+27.26, 12'

SR 87 Cst CL
Sta 200+72.26 to 202+12.26, 10' to 4'
Sta 202+12.26 to 206+27.26, 4'

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 42664 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

TYPICAL SECTIONS
SR 187 & SR 87

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division

STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	187 PN 186	187-A(200)T	8	160	

LOCATION SR 187: SR 387 TO SR 87

DWG NO. G-02.06

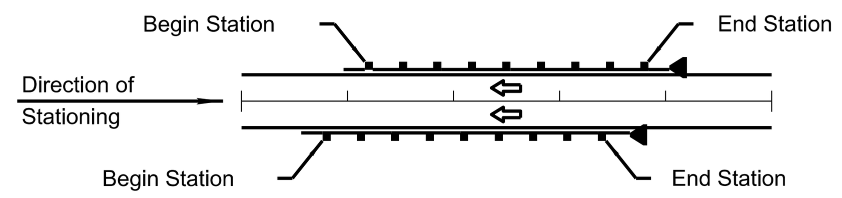
TRACS NO. F0641 01C

ADOT

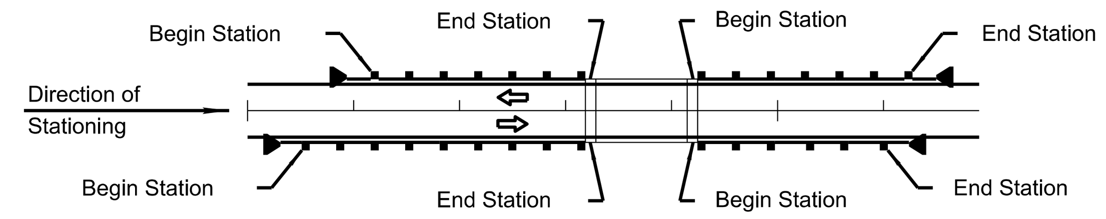
___ OF ___

REV. DATE: 11/19

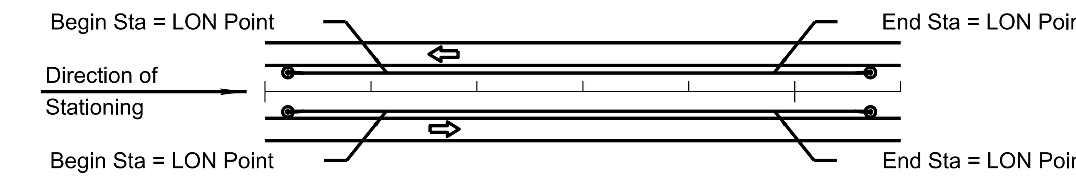
ONE-WAY ROADWAY



TWO-WAY ROADWAY WITH STRUCTURE ◓



DIVIDED ROADWAY WITH HIGH TENSION MEDIAN CABLE BARRIER



LOCATION		◇				BARRIER																		
						NEW GUARDRAIL				EXISTING GUARDRAIL					CONCRETE BARRIER								CABLE	
Begin / End Station (Approximate) (0)	Plan Reference Number	C-10.01 Guardrail Installation	C-10.03 (Timber Post)	C-10.04 (Steel Post)	Detail	Length (Linear Feet) (0.0)	C-10.06 Long Span	C-10.07 Box Culvert Post (Each)	Shop Curved Guardrail Length (Linear Feet) (0.0)	Reconstruct-Exst Post, Block Length (Linear Feet) (0.0)	Reconstruct-New Post, Block Length (Linear Feet) (0.0)	Remove and Salvage Length (Linear Feet) (0.0)	Construct from Salvage Length (Linear Feet) (0.0)	Remove Length (Linear Feet) (0.0)	Length (Linear Feet) (0.0)	C-10.40 (32" Median)	C-10.41 (42" Median)	C-10.50 (32" 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)
SR 187 Cst CL 1197+96, Rt SR 187 Cst CL 1200+62, Rt	1													260										
SR 187 Cst CL 1199+58, Lt SR 187 Cst CL 1200+62, Lt	2													100										
SR 187 Cst CL 1201+10, Rt SR 187 Cst CL 1201+88, Rt	3													75										
SR 187 Cst CL 1201+10, Lt SR 187 Cst CL 1203+51, Lt	4													235										
SR 187 Cst CL 1152+16, Rt SR 187 Cst CL 1156+22, Rt	100	X	X			312.5																		
SR 187 Cst CL 1198+87, Rt SR 187 Cst CL 1200+47, Rt	101	X	X			75																		
SR 187 Cst CL 1199+62, Lt SR 187 Cst CL 1200+47, Lt	102																							
SR 187 Cst CL 1201+25, Rt SR 187 Cst CL 1202+10, Rt	103																							
SR 187 Cst CL 1201+25, Lt SR 187 Cst CL 1202+86, Lt	104	X	X			75																		
						462.5								670										

Plan Reference Number		TRANSITION					END TREATMENT																	
		RAIL		CONC BARRIER			NEW						EXISTING											
		Each		Each			Each ◪						Action				Each ◪							
	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	C-10.20 or C-10.21 (Tangent) ◧	Flared Details or ◧	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
1	Begin															X		1						
	End																							
2	Begin															X		1						
	End																							
3	Begin																							
	End															X		1						
4	Begin																							
	End															X		1						
	Begin																							
	End																							
100	Begin						1																	
	End						1																	
101	Begin						1																	
	End	1																						
102	Begin						1																	
	End	1																						
103	Begin	1																						
	End						1																	
104	Begin	1																						
	End						1																	
	Begin																							
	End																							
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	End																							
		4					6											4						

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

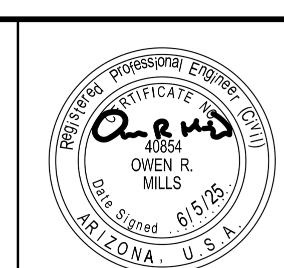
● LENGTH IS FROM LENGTH OF NEED (LON) POINT TO LON POINT. ACTUAL SEGMENT LENGTH VARIES DEPENDING ON TERMINAL TYPE. SEE SPECIAL PROVISIONS.

◧ 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'.



	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

BARRIER SUMMARY SHEET

ROUTE		STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187	F.H.W.A. Arizona Division	ARIZ.	187 PN 186	187-A(200)T	9	160	

MILEPOST

LOCATION SR 187: SR 387 TO SR 87

STRUCTURE NO.

TRACS NO. F0641 01C

ADOT

DWG NO. G-03.01

____ OF____

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CSP - CORRUGATED STEEL PIPE

Station	Plan Reference Number	Controlling Fill Height Range (PE)	Size	Length In Place (0.0)	Skew (0)	Remove & Salvage End Section	Remove Headwall	Left (0.0)	Right (0.0)	Left (0)	Right (0)	Corrugation	Wall Thickness (0.000)	Zinc	Aluminum	Bituminous	Reset Salvaged End Section	New	Detail	Size, (In.) Manhole	Standard or Detail	S-Single / D-Double	Location	H (0.0)	L Wing (0.0)	L 18" Slotted Drain (0)	L 24" Slotted Drain (0)	Type	Elevation (0.00)	Depth	L (0.0)	Pipe Excavation (0)	Pipe Backfill (0) C-13.15	Drainage Excavation (0)	Berm Embankment (0)	Dike Embankment (0)	REMARKS
	DESCRIPTION													CSP							END TREATMENT																QUANTITIES
				In.	Ft.	Degree	Each	Ft.					Ft.				In.				Each																Cubic Yard
										Remove Existing Pipe			Extend								End Section C-13.25																
																															Ft.		Grate				
																																	Ft.				
																																		Inlet Depression C-15.70		
																															In.	Ft.				
SR-187 Sta 1014+60	1	1	24	64	0			2	2	17	7	A	0.064					2															11				See Detail D01
SR-187 Sta 1017+42	2	1	30	56	0			2	2	16	16	A	0.064					2															19				See Detail D02
SR-187 Sta 1018+65	3	1	24	54	0			2	2	17	17	A	0.064					2															16				See Detail D03
SR-87 Sta 105+28	4	1	24	90	30			2		22		A	0.064					1															7				See Detail D06
Sheet Total																		7															53				

REV. DATE: 10/06/2015

FILL HEIGHT RANGE TABLE (Ft.)													
RANGE NO.		1	2	3	4	5	6	7	8	9	10	11	12
FILL	>	1	3	5	8	11	15	20	25	30	40	55	70
HEIGHT (Ft.)	≤	3	5	8	11	15	20	25	30	40	55	70	90

◒ SHOULD FIELD CONDITIONS VARY FROM THE RANGE INDICATED, CONTACT DESIGN FOR RE-EVALUATION OF PIPE DESIGN REQUIREMENTS.

◪ PIPE CORRUGATION			
A	2⅔x½	D	6x2
B	3x1	E	3x1 or 9x2½
C	9x2½		

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

NOTE:
THE ZEROS IN PARENTHESES (0, 0.0 & 0.000) INDICATE
THE DIMENSIONAL PRECISION FOR THAT COLUMN

Registered Professional Engineer (Civil) CERTIFICATE NO. 23170 JEFFREY J. HOLZMEISTER Date Signed: 06/06/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	EG	06/25
DRAWN	JW	06/25
CHECKED	JH	06/25

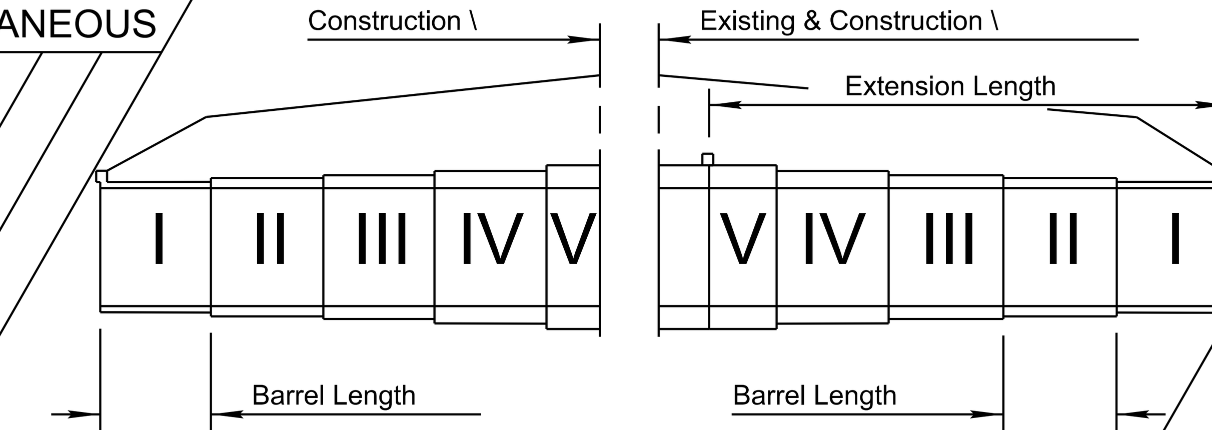
J2 Design
4649 E COTTON GIN LOOP B2 PHOENIX, AZ 85040 602.438.2221

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

NEW CORRUGATED STEEL
PIPE EXTENSIONS
SUMMARY SHEET

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187		ARIZ.	187 PN 186	187-A(200)T	10	160	
MILEPOST	LOCATION	SR 187: SR 387 TO SR 87				DWG NO. G-04.01	
STRUCTURE NO.	TRACS NO. F0641 01C	ADOT				____ OF____	

REV. DATE: 08/08/2013



DESCRIPTION												END TREATMENT										LENGTH OF BARREL & BARREL EXTENSIONS — Linear Feet (0.0)										APPROXIMATE QUANTITIES									
Plan Reference Number	Structure Number	New	Extend	Number of Barrels	Barrel Span (0.0)	Barrel Height (0.0)	Culvert Length (0.0)	Skew (Degree) (0)	SD 6.01 Miscellaneous Details	SD 6.01 Extension Details	Standard or Detail	Location	Inlet Wings	Outlet Wings	Standard or Detail (Wings)	Apron	Standard or Detail (Aprons)	Scour/Bank Protection	Standard or Detail (Misc.)	Energy Dissipators	Detail	Left of \ I	II	III	IV	V	Right of \ V	IV	III	II	I	Reinforcing Steel (0) (Lbs.)	Place Dowels (Ea.)	Class S Concrete f'c=3,000 PSI (Cubic Yards)	Remove Str Concrete (0)	Structural Excavation (0)	Structure Backfill (0)	Berm Embankment (0)	Dike Embankment (0)	Drainage Excavation (0)	REMARKS
7			X	2	6	3	26	0	X	X	SD-06.02	Left		X	SD-6.08-1	X	SD 6.11-1					23										6255	9	57	23	58	20				EXTEND 23' AT 0-DEG SKEW
Station:	SR187 Sta 1132+39.06											Right	X		SD-6.08-3																23	5080	9	41	12	58	20				EXTEND 23' AT 0-DEG SKEW
Existing:	2-6'x3'x26' CBC																												Box Culvert Total			11335	18	98	35	116	40				
9			X	1	6	3	26	0	X	X	SD-6.01	Left		X	SD-6.08-1	X	SD 6.11-1					23										3948	5	37	18	34	20				EXTEND 23' AT 0-DEG SKEW
Station:	SR187 Sta 1194+11.64											Right	X		SD-6.08-3																23	3261	5	28	11	34	20				EXTEND 23' AT 0-DEG SKEW
Existing:	1-6'x3'x26' CBC																												Box Culvert Total			7209	10	65	29	68	40				
												Left																													
Station:												Right																													
Existing:																													Box Culvert Total												
												Left																													
Station:												Right																													
Existing:																													Box Culvert Total												
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Station:												Right																													
Existing:																													Box Culvert Total												
																														Sheet Total:		18544	28	163	64	184	80				

NOTE:
THE ZEROS IN PARENTHESES (0, 0.0 & 0.00) INDICATE THE DIMENSIONAL PRECISION FOR THAT COLUMN

◑ TOTALS SHOWN FOR THE BOX CULVERT INCLUDE THE QUANTITIES FOR HEADWALLS, WINGS, APRONS, CURBS, CUT-OFF WALLS AND LAPS AT CONSTRUCTION JOINTS.

NOTE:
FOR STRUCTURAL EXCAVATION, STRUCTURE BACKFILL PLACEMENT AND MEASUREMENT, SEE STRUCTURE DETAIL DRAWING SD 6.01 (4 OF 5)

◪ BRIDGE GROUP STRUCTURE DETAIL DRAWINGS SD 6.01 TO SD 6.11

▲ Construction \ Looking Ahead

Registered Professional Engineer (Civil) Certificate No. 23170 JEFFREY J. HOLZMEISTER Date Signed: 06/05/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	EG	06/25
DRAWN	JW	06/25
CHECKED	JH	06/25

J2 Design
4649 E COTTON GIN LOOP B2 PHOENIX, AZ 85040 602.438.2221

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

REINFORCED CONC BOX CULVERT AND BOX CULVERT EXTENSION SUMMARY SHEET

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	187 PN 186	187-A(200)T	11	160	

LOCATION SR 187: SR 387 TO SR 87

DWG NO. G-05.01

TRACS NO. F0641 01C

ADOT

____ OF____

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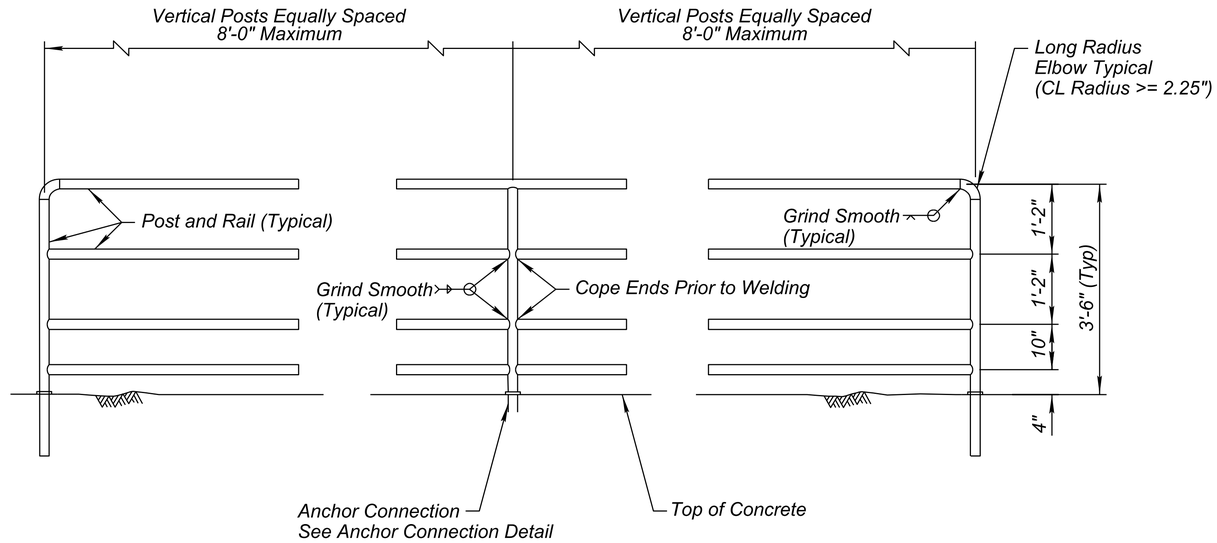
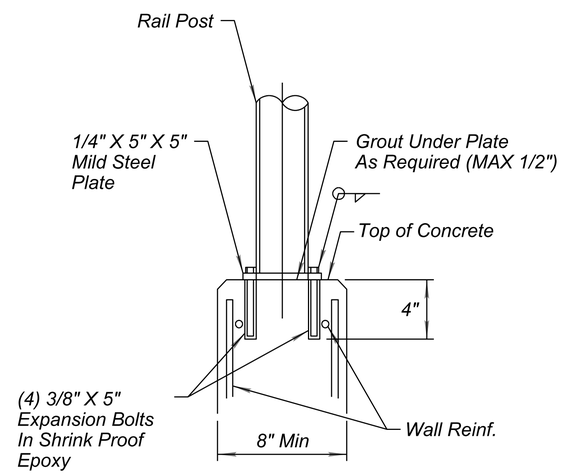




ANCHOR CONNECTION DETAIL

NOTES:

1. Posts and rails shall be 1.90 inch outside diameter, high strength heavy industrial steel pipe conforming to ASTM F1043 material group IA-2 (2.72 lb/ft, minimum yield strength = 50 ksi).
2. Vertical posts to be evenly spaced.
3. Rail shall be painted ADOT Tan in accordance with Section 610 of the specifications.

DETAIL A

HANDRAIL

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

DETAIL A
HANDRAIL

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187		ARIZ.	187 PN 186	187-A(200)T	12	160	
MILEPOST	LOCATION	SR 187: SR 387 TO SR 87					DWG NO. G-06.01
STRUCTURE NO.	TRACS NO. F0641 01C		ADOT				___ OF___

$TIME$ $DATE$ $USERNAME$ $FILE$

SURVEY CONTROL

PORTIONS OF SECTIONS 24, 25, 26, 34 & 35 TOWNSHIP 4 SOUTH, RANGE 6 EAST &
PORTIONS OF SECTIONS 3, 4 & 9 TOWNSHIP 5 SOUTH, RANGE 6 EAST OF THE
GILA AND SALT RIVER MERIDIAN, MARICOPA COUNTY, ARIZONA

CALCULATED POINTS

POINT	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
300	N/A	N/A	726422.56942	749699.43084	SE COR. SEC.9,T5S,R6E.
301	N/A	N/A	726421.57013	752340.54426	S. 1/4 COR. SEC.9,T5S,R6E.
302	998+61.49	1496.06'LT	730908.68503	749691.64411	W. 1/4 COR. SEC.9,T5S,R6E.
303	1006+14.84	0.00'	730909.80011	751366.668747	POT
304	1022+35.29	3218.02'RT	730912.19863	754969.66979	E. 1/4 COR. SEC.9,T5S,R6E.
305	1027+47.41	0.00'	732813.50124	752327.75554	POC
307	1022+18.17	2684.99'LT	733548.28380	749687.91429	SE. COR. SEC.4,T5S,R6E.
308	1035+91.03	0.00'	733548.45761	752741.85780	POT
310	1043+63.42	3964.89'LT	736186.87788	749683.15470	W. 1/4 COR. SEC.4,T5S,R6E.
311	1066+31.70	0.00'	736188.16342	754251.02795	POT
312	1080+59.72	0.00'	737427.87904	754959.79534	POT
313	1066+78.54	5289.62'LT	738854.22389	749682.17168	NW. COR. SEC.4,T5S,R6E.
315	1079+58.91	2985.95'LT	738822.37367	752317.54661	N. 1/4 COR. SEC.4,T5S,R6E.
316	1096+72.46	0.00'	738827.95359	755760.24277	POT
317	1118+93.55	3875.63'RT	738832.58211	760227.20599	SE COR. SEC.34,T4S,R6E.
318	1115+64.17	2010.17'LT	741467.91977	754954.05782	W. 1/4 COR. SEC.34,T4S,R6E.
319	1127+16.07	0.00'	741470.21830	757270.87232	POT
320	1153+38.57	2077.57'RT	741463.17717	760237.73971	E. 1/4 COR. SEC.34,T4S,R6E.
321	1133+33.72	0.00'	741999.65727	757588.44675	POC
322	1134+26.05	3373.72'LT	744106.82724	754950.19352	NW. COR. SEC.34,T4S,R6E.
323	1144+77.50	1568.97'LT	744111.42918	757584.82514	N. 1/4 COR. SEC.34,T4S,R6E.
324	1165+99.72	0.00'	743893.50992	760220.99052	POT
325	1170+24.04	0.00'	744116.18586	760582.18479	POT
326	1189+61.59	1193.37'RT	744117.14806	762857.75538	S. 1/4 COR. SEC.26,T4S,R6E.
327	1212+07.98	2576.95'RT	744118.26500	765496.05400	SE. COR. SEC.26,T4S,R6E.
328	1196+95.28	0.00'	745518.01284	762856.03557	POT
329	1181+00.58	2437.41'LT	746755.94492	760219.45676	W. 1/4 COR. SEC.26,T4S,R6E.
330	1220+56.46	0.00'	746757.12843	764865.96162	POT
331	1227+93.12	0.00'	747143.71387	765493.02974	POT
332	1194+85.97	4684.60'LT	749395.85871	760219.45676	NW. COR. SEC.26,T4S,R6E.
333	1217+32.03	3300.84'LT	749396.66156	762857.55823	N. 1/4 COR. SEC.26,T4S,R6E.
334	1234+57.60	3963.84'RT	744118.26500	768138.81800	S. 1/4 COR. SEC.26,T4S,R6E.
335	1257+07.21	5350.72'RT	744118.26500	770781.58200	SE. COR. SEC.25,T4S,R6E.
336	1270+92.41	3102.21'RT	746759.20900	770780.73250	S. 1/4 COR. SEC.25,T4S,R6E.
337	1258+98.56	0.00'	748773.40350	768136.48848	POT
338	1262+26.72	532.89'LT	749399.23430	768136.17530	N. 1/4 COR. SEC.25,T4S,R6E.
339	1270+91.78	0.00'	749399.58737	769152.19151	POT
340	1281+23.38	0.00'	749940.95459	770030.32984	INTERSECTION SR 87 & SR 187
341	1092+25.84	0.00'	738440.23261	755538.57581	INTERSECTION SR 187 & CASA GRANDE RD.
342	1093+26.36	489.79'LT	738770.59581	755163.26241	POT STA 100+00.00 CG RD.STA
343	200+00.00	0.00'	750420.91048	769492.10977	POT STA 200+00.00 SR 87
344	214+96.80	691.00'LT	749424.71000	770609.25000	POT STA 214+96.80 SR 87
345	215+33.77	0.00'	749400.10329	770636.84399	POT
346	217+25.48	0.00'	749272.51283	770779.92406	POT
347	982+49.54	0.00'	728796.51785	750304.29012	INTERSECTION I-1O FREEWAY & SR 187
348	994+49.54	0.00'	729868.66082	750843.27741	INTERSECTION SR 187 & SR 387
349	1000+00.00	0.00'	730360.47000	751090.5300	STA 1000+00.00 START PROJECT

REFERENCES

R1. RESULTS OF SURVEY FOR PHOENIX-CASA GRANDE HIGHWAY
VAL VISTA BLVD. T.I. 010 PN 188 H6905 O1R

R2. RIGHT OF WAY PLANS OF THE PICACHO-COOLIDGE-CHANDLER-MESA
HIGHWAY JCT. SR 2897-GILA RIVER 087 PN 135 H7896 O1R 087-A(202)A

SECTION DATA (FOUND)

POINT	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
70013	1033+85.08	359.78'LT	733548.22790	752327.30610	FND. N. 1/4 COR. SEC. 9, T5S,R6E.
70015	1069+84.73	617.16'RT	736188.32830	754962.02960	FND. E. 1/4 COR. SEC. 9, T5S,R6E.
70016	1070+15.54	639.38'RT	736204.04980	754996.61110	FND. E. 1/4 COR. SEC. 9, T5S,R6E.(BEARING TREE)
70017	1046+96.28	1931.10'RT	733549.50410	754966.88140	FND. NW. COR. SEC. 9, T5S,R6E.
70018	1092+74.03	697.31'LT	738828.16460	754957.13480	FND. NW. COR. SEC.4, T5S,R6E.
70019	1105+82.69	1593.38'RT	738827.31550	757595.28590	FND. S. 1/4 COR. SEC. 34, T4S,R6E.
70020	1167+15.06	190.22'LT	744115.96450	760219.34660	FND. SW. COR. SEC. 26, T4S,R6E.
70021	1225+90.00	328.62'RT	746757.38410	765492.57920	FND. SE. 1/4 COR. SEC.26, T4S,R6E.
70022	1239+78.10	1917.09'LT	749397.46440	765495.65970	FND. NW. COR. SEC. 26, T4S,R6E.
70025	216+40.57	9522'LT	749400.10180	770779.92810	FND. NE. COR. SEC.25, T4S,R6E.

MONUMENTS (FOUND)

POINT	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
11085	1132+39.43	13.71'RT	741914.19730	757546.82210	FND. ADOT HWY. DEPT. BCF STAMPED 1936 60- X 10 ELV 1508.09
11400	212+54.84	150.69'RT	749473.28150	770328.36480	FND. ANGLE IRON STAMPED 0.35
11401	213+07.61	100.16'RT	749475.87200	770401.38850	FND. ANGLE IRON
11402	212+54.77	100.55'RT	749510.75350	770361.68420	FND. ANGLE IRON STAMPED 0.34
11405	1280+33.04	49.33'RT	749851.55610	769979.31700	FND. ANGLE IRON STAMPED 0.34
70108	989+94.06	48.58'LT	729483.53670	750595.29100	FND. ADOT HWY. DEPT. AC ON HEADWALL
70317	1004+60.46	108.71'LT	730820.69760	751200.21180	FND. ACF
70558	993+49.44	99.83'RT	729734.38380	750887.50780	FND. ADOT HWY. DEPT. BCF STAMPED 31+00.00
70855	1092+74.09	697.29'LT	745455.78180	762584.02590	FND. 5/8" REBAR IN PILE OF ROCKS
70913	1105+82.76	1593.40'RT	745757.72710	763200.12550	FND. ADOT HWY. DEPT. BCF IN PILE OF ROCKS

SECONDARY CONTROL POINTS

POINT	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
1000	997+17.25	28.47'RT	730095.05850	750988.96100	SET 5/8" REBAR WITH WILSON ALUMINUM CAP
1001	1091+72.07	77.98'LT	755444.18870	755444.18870	SET 5/8" REBAR WITH WILSON ALUMINUM CAP

GENERAL NOTES

THREE NGS CONTROL STATIONS WERE USED TO ESTABLISH THE CONTROL BASELINE FOR THIS SURVEY AND THEY ARE AS FOLLOWS:

* DU1034 NAD83 (1992) (N)33°01'19.62135" (W)111°46'05.91326"
GRID COORDINATES (N)735,610.10 (E)745,471.26
GROUND COORDINATES (N)735,727.79760 (E)745,590.53540

* DU2145 NAD83 (1992) (N)33°01'41.57740" (W)111°46'45.43365"
GRID COORDINATES (N)737,824.46 (E)742,103.65
GROUND COORDINATES (N)737,942.51190 (E)742,222.38660

* DK4633 NAD83 (1992) (N)32°59'47.59970" (W)111°47'02.19508"
GRID COORDINATES (N)726,303.77 (E)740,691.25
GROUND COORDINATES (N)726,419.97860 (E)740,809.76060

THE FOLLOWING PARAMETERS WERE SET FOR THE BASIS OF THIS SURVEY:

SYSTEM: UNITED STATES STATE PLANE 1983
ZONE: ARIZONA CENTRAL 0202
DATUM: NORTH AMERICAN 1983 (CONUS) EQUIVALENT TO WGS-84

UNITS = INTERNATIONAL FEET (1 FOOT =0.3048 METERS EXACTLY)

DIRECT SATELLITE OBSERVATIONS WERE MADE ON EACH POINT ON THE NORTH AMERICAN DATUM OF 1983 WITH AUTOMATIC TRANSLATIONS MADE TO THE STATE PLANE GRID SYSTEM

GPS CALIBRATION AND TRANSLATION TO THE SURFACE WAS PERFORMED BY GPS SOFTWARE. A GRID ADJUSTMENT FACTOR OF 1.00016 AND SCALE ORIGIN VALUES OF N=0.00, E=0.00, AS OBTAINED FROM ADOT REGIONAL MAP WERE USED FOR THE TRANSLATION TO THE SURFACE.

ALL BEARINGS ARE GRID BEARINGS, DISTANCES ARE GROUND DISTANCES AND COORDINATES ARE GROUND COORDINATES.

THE MONUMENTATION SHOWN ON THIS ``RESULTS OF SURVEY" WAS BASED ON AN OBSERVATION AND EVALUATION OF PHYSICAL CORROBORATING EVIDENCE IN THE FIELD AND A REVIEW AND ANALYSIS OF EXISTING DRAWINGS, PLATS, AND NOTES AVAILABLE AT THE TIME THE SURVEY WAS PREPARED.

THIS RESULTS OF SURVEY IS ON FILE IN THE FILE ROOM OF THE RIGHT OF WAY PLANS SECTION OF THE ARIZONA DEPARTMENT OF TRANSPORTATION. 205 SOUTH 17TH AVENUE, MD 612E, PHOENIX, ARIZONA 85007, (602(712-7270. SEE ADOT R/W FILE COPY FOR MOST CURRENT ADDITIONS OR REVISIONS.

REGISTERED LAND SURVEYOR
CERTIFICATE NO. 57280
MARK R. SANDWICK
Date Signed 6/05/25
ARIZONA, U.S.A.

	NAME	DATE
DESIGN	PK	06/25
DRAWN	PK	06/25
CHECKED	MRS	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SURVEY CONTROL PLAN

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division

STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	187 PN 186	187-A(200)T	13	160	

LOCATION SR 187: SR 387 TO SR 87

DWG NO. C-01.01

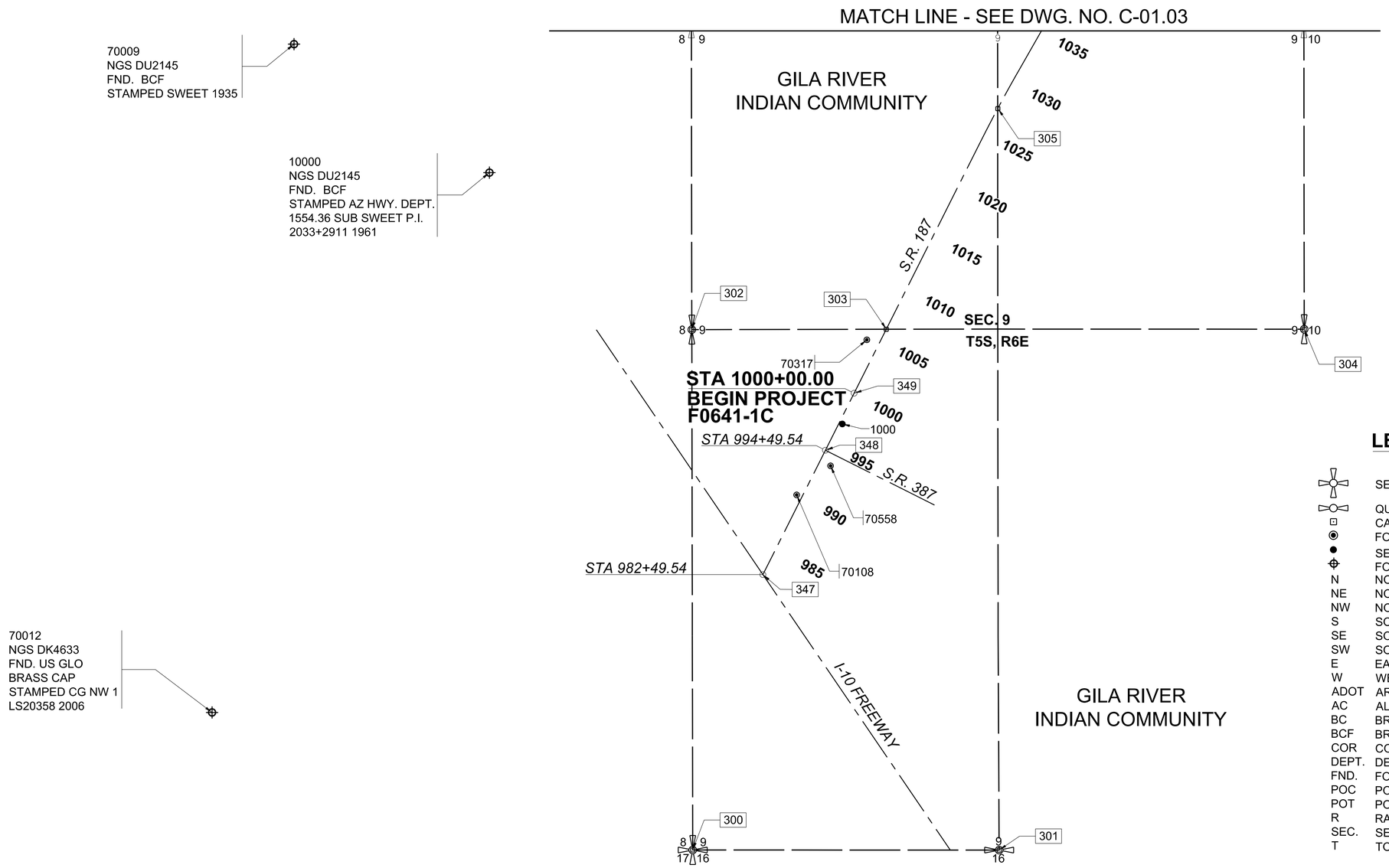
TRACS NO. F0641 01C

ADOT

____ OF____

SURVEY CONTROL

PORTIONS OF SECTIONS 24, 25, 26, 34 & 35 TOWNSHIP 4 SOUTH, RANGE 6 EAST &
PORTIONS OF SECTIONS 3, 4 & 9 TOWNSHIP 5 SOUTH, RANGE 6 EAST OF THE
GILA AND SALT RIVER MERIDIAN, MARICOPA COUNTY, ARIZONA



LEGEND

	SECTION CORNER
	QUARTER SECTION CORNER
	CALCULATED POINT
	FOUND MONUMENT AS NOTED
	SET ⅝" REBAR W/ WILSON COMPANY ALUMINUM CAP
	FOUND/SET PROJECT BENCHMARK AS NOTED
N	NORTH
NE	NORTHEAST
NW	NORTHWEST
S	SOUTH
SE	SOUTHEAST
SW	SOUTHWEST
E	EAST
W	WEST
ADOT	ARIZONA DEPARTMENT OF TRANSPORTATION
AC	ALUMINUM CAP
BC	BRASS CAP
BCF	BRASS CAP FLUSH
COR	CORNER
DEPT.	DEPARTMENT
FND.	FOUND
POC	POINT ON CURVE
POT	POINT ON TANGENT
R	RANGE
SEC.	SECTION
T	TOWNSHIP

100 SET MONUMENT
200 FOUND MONUMENT
300 CALCULATED POSITION

N

REGISTERED LAND SURVEYOR
CERTIFICATE NO. 57280
MARK R. SANDWICK
Date Signed 6/5/25
ARIZONA, U.S.A.

	NAME	DATE
DESIGN	PK	06/25
DRAWN	PK	06/25
CHECKED	MRS	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SURVEY CONTROL PLAN

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	187 PN 186	187-A(200)T	14	160	

LOCATION SR 187: SR 387 TO SR 87

DWG NO. C-01.02

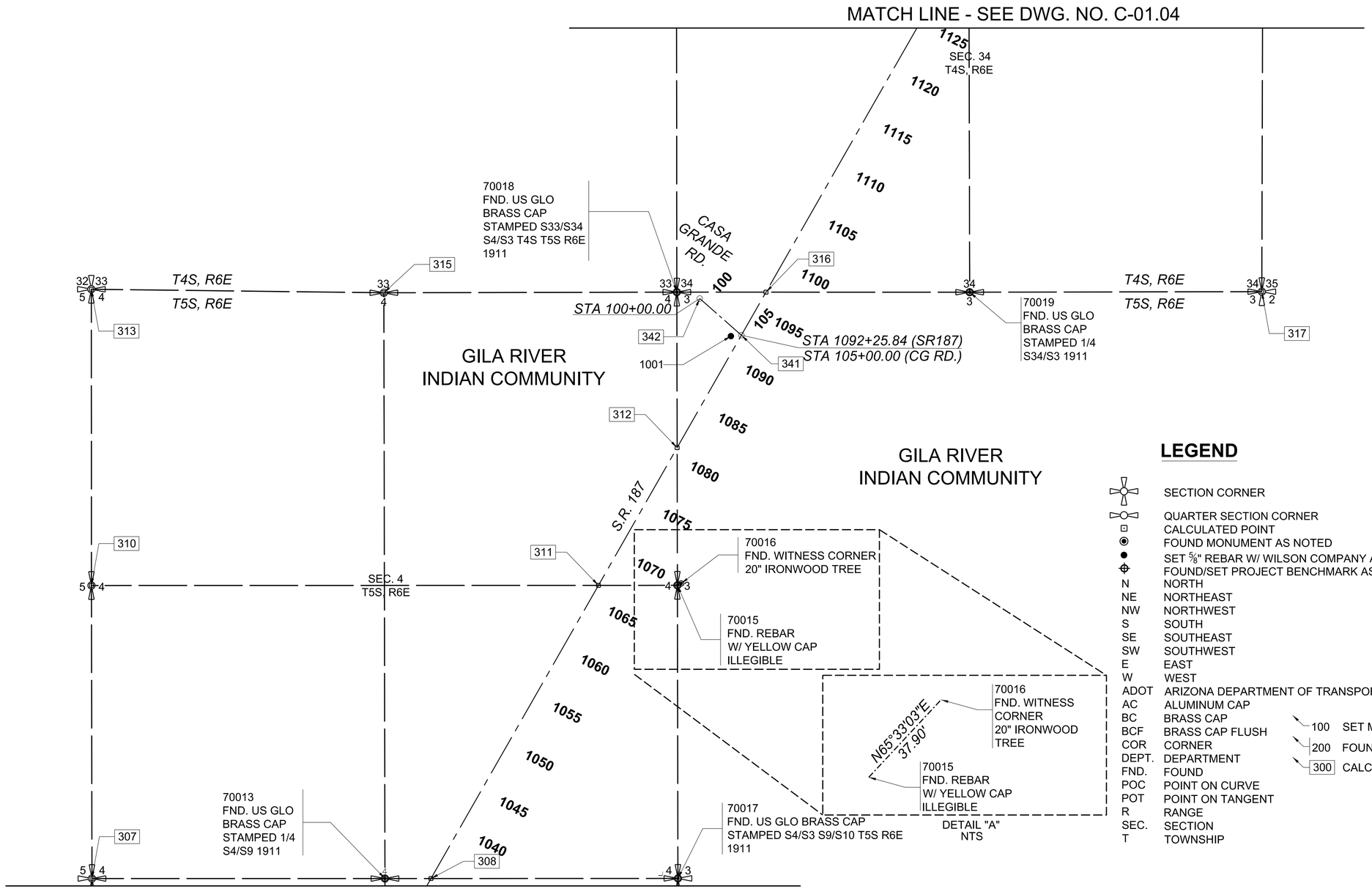
TRACS NO. F0641 01C

ADOT

____ OF ____

SURVEY CONTROL

PORTIONS OF SECTIONS 24, 25, 26, 34 & 35 TOWNSHIP 4 SOUTH, RANGE 6 EAST &
PORTIONS OF SECTIONS 3, 4 & 9 TOWNSHIP 5 SOUTH, RANGE 6 EAST OF THE
GILA AND SALT RIVER MERIDIAN, MARICOPA COUNTY, ARIZONA



LEGEND

	SECTION CORNER
	QUARTER SECTION CORNER
	CALCULATED POINT
	FOUND MONUMENT AS NOTED
	SET 5/8" REBAR W/ WILSON COMPANY ALUMINUM CAP
	FOUND/SET PROJECT BENCHMARK AS NOTED
N	NORTH
NE	NORTHEAST
NW	NORTHWEST
S	SOUTH
SE	SOUTHEAST
SW	SOUTHWEST
E	EAST
W	WEST
ADOT	ARIZONA DEPARTMENT OF TRANSPORTATION
AC	ALUMINUM CAP
BC	BRASS CAP
BCF	BRASS CAP FLUSH
COR	CORNER
DEPT.	DEPARTMENT
FND.	FOUND
POC	POINT ON CURVE
POT	POINT ON TANGENT
R	RANGE
SEC.	SECTION
T	TOWNSHIP

100 SET MONUMENT
200 FOUND MONUMENT
300 CALCULATED POSITION

N

	NAME	DATE
DESIGN	PK	06/25
DRAWN	PK	06/25
CHECKED	MRS	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SURVEY CONTROL PLAN

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187		ARIZ.	187 PN 186	187-A(200)T	15	160	
MILEPOST	LOCATION	SR 187: SR 387 TO SR 87					DWG NO. C-01.03
STRUCTURE NO.	TRACS NO. F0641 01C	ADOT					___ OF___

5:00:31 PM 6/5/2025 RJNelson c:\users\rjnelson\appdata\local\bentley\projectwise\wci_projects\d0676092\F0641_Survey Control_03.dgn

SURVEY CONTROL

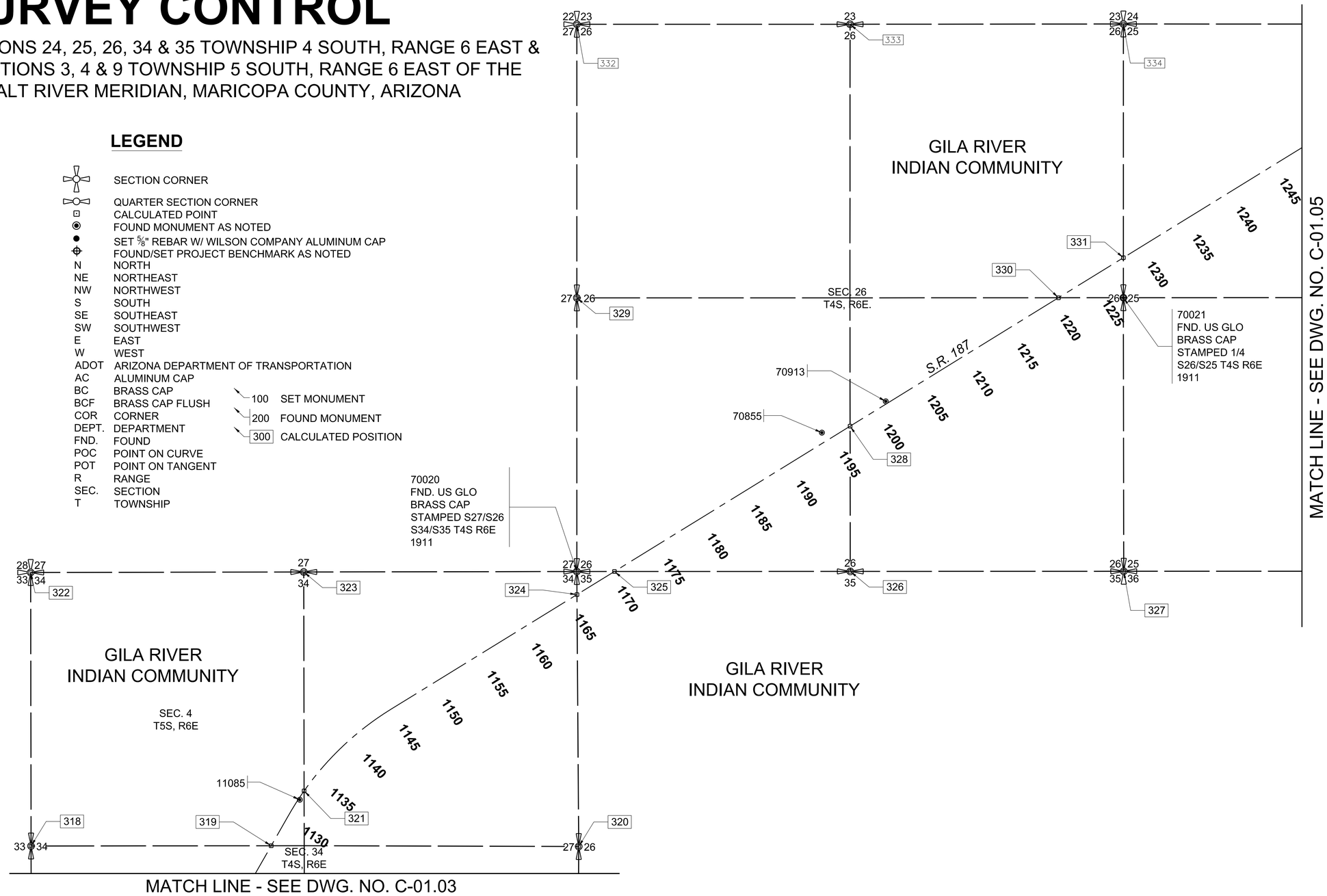
PORTIONS OF SECTIONS 24, 25, 26, 34 & 35 TOWNSHIP 4 SOUTH, RANGE 6 EAST &
PORTIONS OF SECTIONS 3, 4 & 9 TOWNSHIP 5 SOUTH, RANGE 6 EAST OF THE
GILA AND SALT RIVER MERIDIAN, MARICOPA COUNTY, ARIZONA

LEGEND

SECTION CORNER
QUARTER SECTION CORNER
CALCULATED POINT
FOUND MONUMENT AS NOTED
SET ⅝" REBAR W/ WILSON COMPANY ALUMINUM CAP
FOUND/SET PROJECT BENCHMARK AS NOTED

N	NORTH
NE	NORTHEAST
NW	NORTHWEST
S	SOUTH
SE	SOUTHEAST
SW	SOUTHWEST
E	EAST
W	WEST
ADOT	ARIZONA DEPARTMENT OF TRANSPORTATION
AC	ALUMINUM CAP
BC	BRASS CAP
BCF	BRASS CAP FLUSH
COR	CORNER
DEPT.	DEPARTMENT
FND.	FOUND
POC	POINT ON CURVE
POT	POINT ON TANGENT
R	RANGE
SEC.	SECTION
T	TOWNSHIP

100 SET MONUMENT
200 FOUND MONUMENT
300 CALCULATED POSITION



	NAME	DATE
DESIGN	PK	06/25
DRAWN	PK	06/25
CHECKED	MRS	06/25

REGISTERED LAND SURVEYOR CERTIFICATE NO. 57280 MARK R. SANDWICK Date Signed 6/05/25 ARIZONA, U.S.A.

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SURVEY CONTROL PLAN

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division

STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	187 PN 186	187-A(200)T	16	160	

LOCATION SR 187: SR 387 TO SR 87

DWG NO. C-01.04

TRACS NO. F0641 01C

ADOT

___ OF ___

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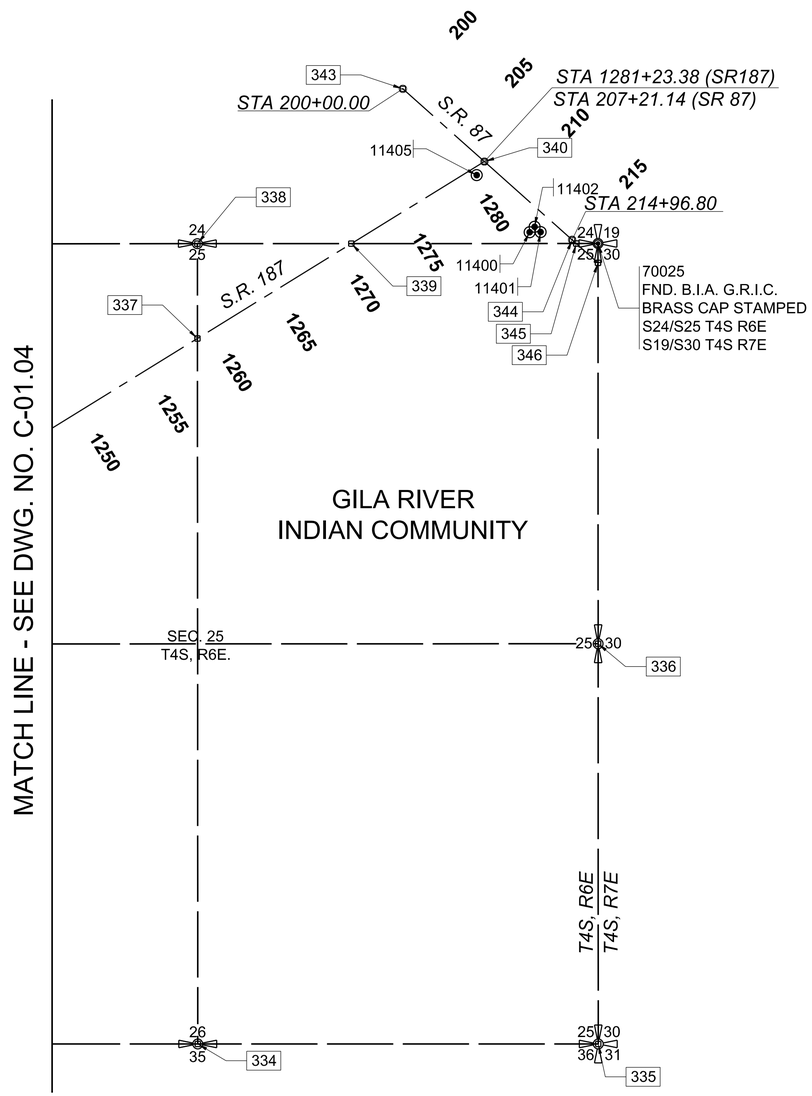
SURVEY CONTROL

PORTIONS OF SECTIONS 24, 25, 26, 34 & 35 TOWNSHIP 4 SOUTH, RANGE 6 EAST &
PORTIONS OF SECTIONS 3, 4 & 9 TOWNSHIP 5 SOUTH, RANGE 6 EAST OF THE
GILA AND SALT RIVER MERIDIAN, MARICOPA COUNTY, ARIZONA



LEGEND

	SECTION CORNER
	QUARTER SECTION CORNER
	CALCULATED POINT
	FOUND MONUMENT AS NOTED
	SET ⅝" REBAR W/ WILSON COMPANY ALUMINUM CAP
	FOUND/SET PROJECT BENCHMARK AS NOTED
N	NORTH
NE	NORTHEAST
NW	NORTHWEST
S	SOUTH
SE	SOUTHEAST
SW	SOUTHWEST
E	EAST
W	WEST
ADOT	ARIZONA DEPARTMENT OF TRANSPORTATION
AC	ALUMINUM CAP
BC	BRASS CAP
BCF	BRASS CAP FLUSH
COR	CORNER
DEPT.	DEPARTMENT
FND.	FOUND
POC	POINT ON CURVE
POT	POINT ON TANGENT
R	RANGE
SEC.	SECTION
T	TOWNSHIP

100 SET MONUMENT
200 FOUND MONUMENT
300 CALCULATED POSITION

N

RECORDED LAND SURVEYOR
CERTIFICATE NO. 57280
MARK R. SANDWICK
Date Signed 6/5/25
ARIZONA, U.S.A.

	NAME	DATE
DESIGN	PK	06/25
DRAWN	PK	06/25
CHECKED	MRS	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SURVEY CONTROL PLAN

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	187 PN 186	187-A(200)T	17	160	

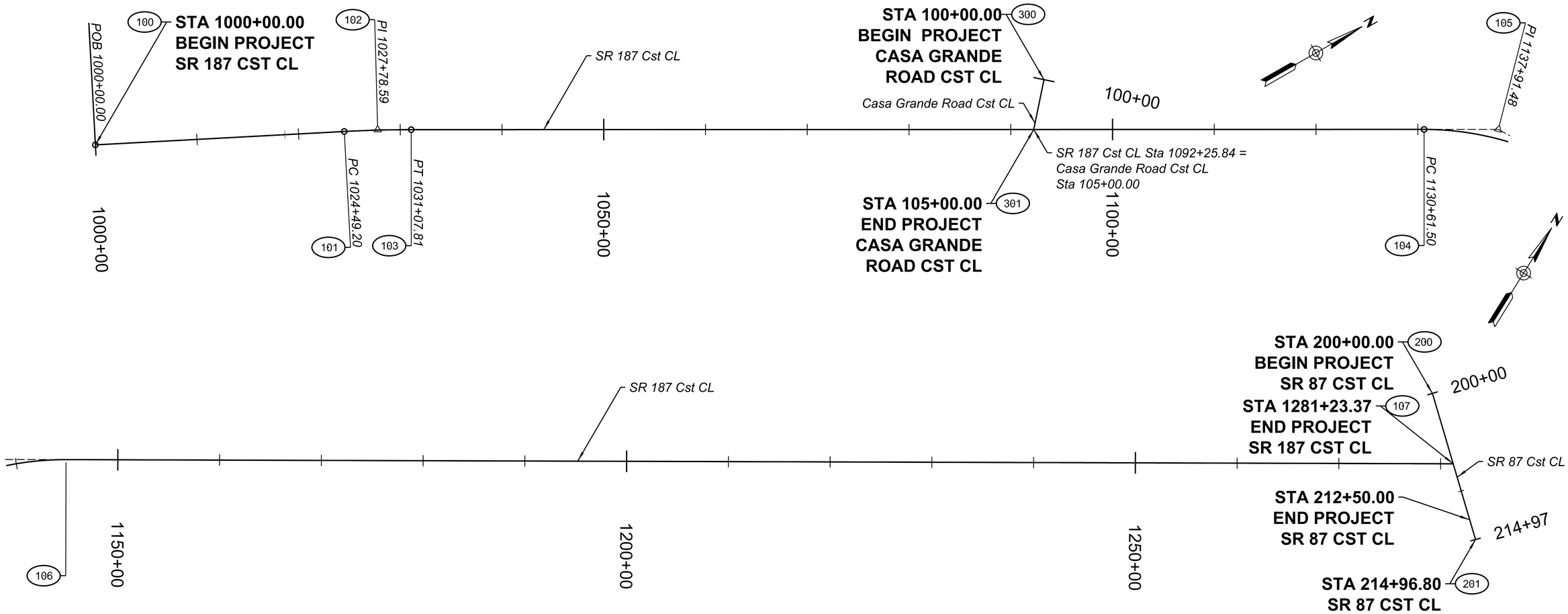
LOCATION SR 187: SR 387 TO SR 87

DWG NO. C-01.05

TRACS NO. F0641 01C

ADOT

____ OF____



PLAN REF NO.	DESCRIPTION	POINT TYPE	STATION	COORDINATES		SPIRAL TOTAL					SPIRAL MAIN OR CIRCULAR							SPIRAL CURVE			
				Northing	Easting	Total Delta	T	L	R+o	Ext	Δ	D	R	L	T	Ext	Super	A	L	o	I
100	SR 187 Cst CL	POB	1000+00.00	730360.47	751090.53																
101	SR 187 Cst CL	PC	1024+49.20	732548.72	752190.60																
102	SR 187 Cst CL	PI	1027+78.59	732843.01	752338.55						03°04'04" Rt	01°31'42"	12300.00	658.61	329.38	4.40	NC				
103	SR 187 Cst CL	PT	1031+07.81	733128.96	752502.03																
104	SR 187 Cst CL	PC	1130+61.50	741770.11	757442.32																
105	SR 187 Cst CL	PI	1137+91.48	742403.83	757804.63						28°35'19" Rt	06°33'40"	2865.00	1429.55	729.98	91.54	4%				
106	SR 187 Cst CL	PT	1144+91.05	742786.91	758426.02																
107	SR 187 Cst CL	POE	1281+23.37	749940.95	770030.33																
200	SR 87 Cst CL	POB	200+00.00	750420.91	769492.11																
201	SR 87 Cst CL	POE	214+96.80	749424.71	770609.25																
300	S Casa Grande Road Cst CL	POB	100+00.00	738770.60	755163.26																
301	S Casa Grande Road Cst CL	POE	105+00.00	738440.23	755538.58																

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40654 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

GEOMETRIC LAYOUT & DATA

ROUTE: SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division

STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	187 PN 186	187-A(200)T	18	160	

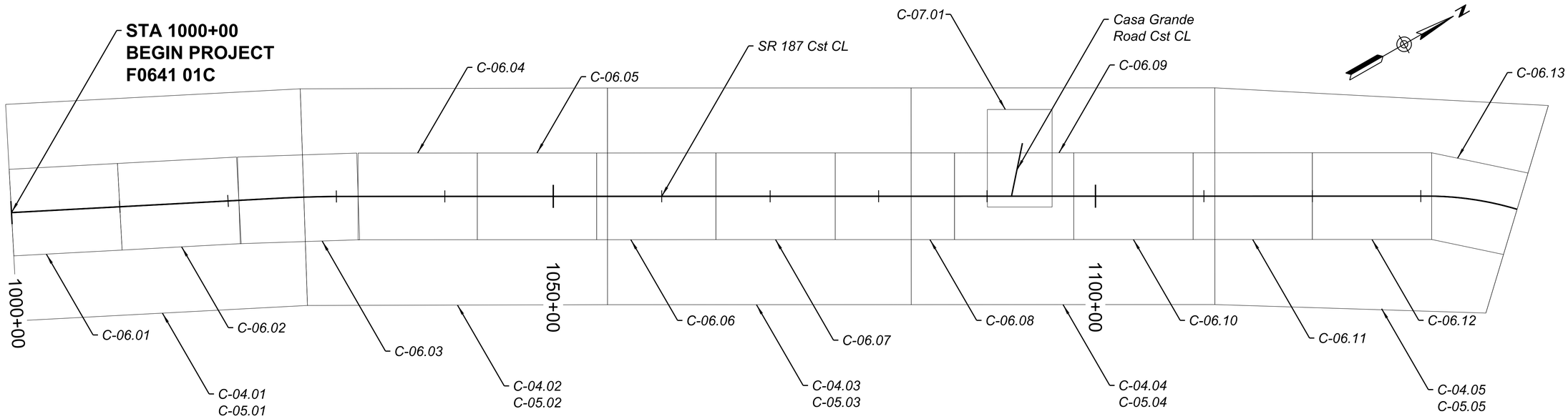
LOCATION: SR 187: SR 387 TO SR 87

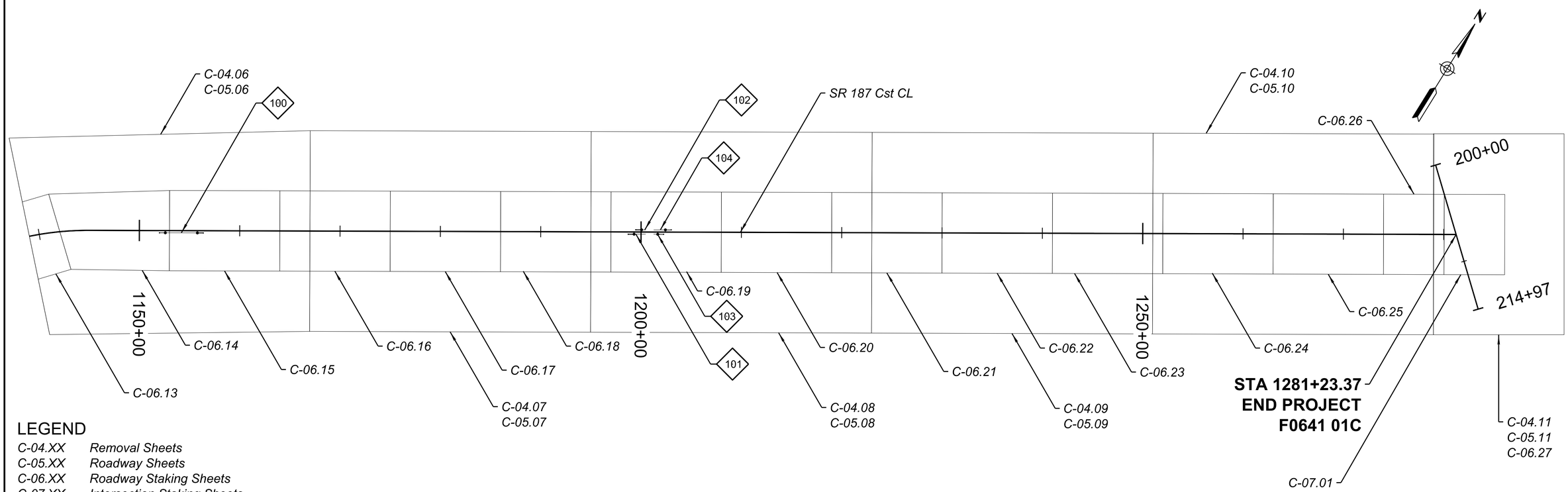
TRACS NO. F0641 01C

ADOT

DWG NO. C-02.01

___ OF ___





LEGEND

C-04.XX	Removal Sheets
C-05.XX	Roadway Sheets
C-06.XX	Roadway Staking Sheets
C-07.XX	Intersection Staking Sheets

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40884 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

CIVIL KEY MAP

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	187 PN 186	187-A(200)T	19	160	

LOCATION SR 187: SR 387 TO SR 87

DWG NO. C-03.01

TRACS NO. F0641 01C

ADOT

____ OF____

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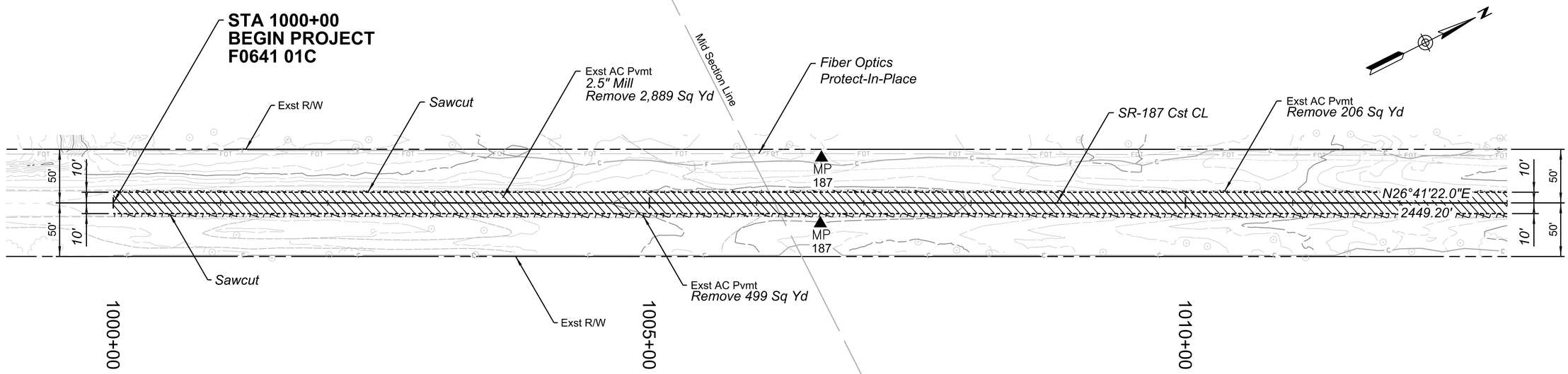

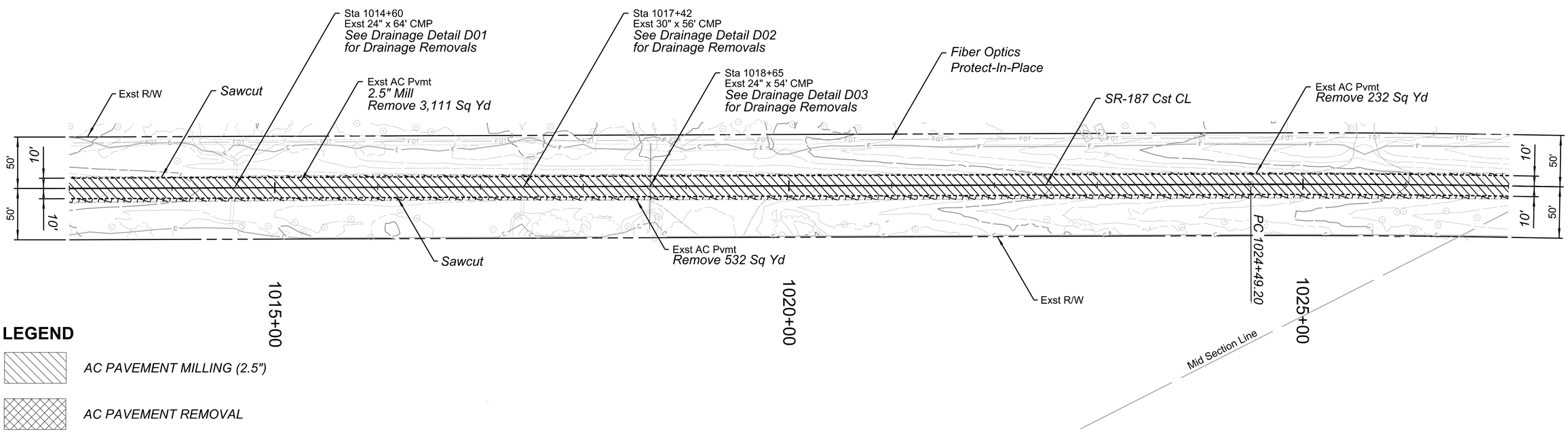

LEGEND

AC PAVEMENT MILLING (2.5")

AC PAVEMENT REMOVAL

NOTES:

1. See Signing Plans for Sign Removals.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 REMOVAL SHEET
Sta 1000+00 to 1027+00

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187		ARIZ.	187 PN 186	187-A(200)T	20	160	
MILEPOST	LOCATION	SR 187: SR 387 TO SR 87					DWG NO. C-04.01
STRUCTURE NO.	TRACS NO. F0641 01C	ADOT					___ OF___

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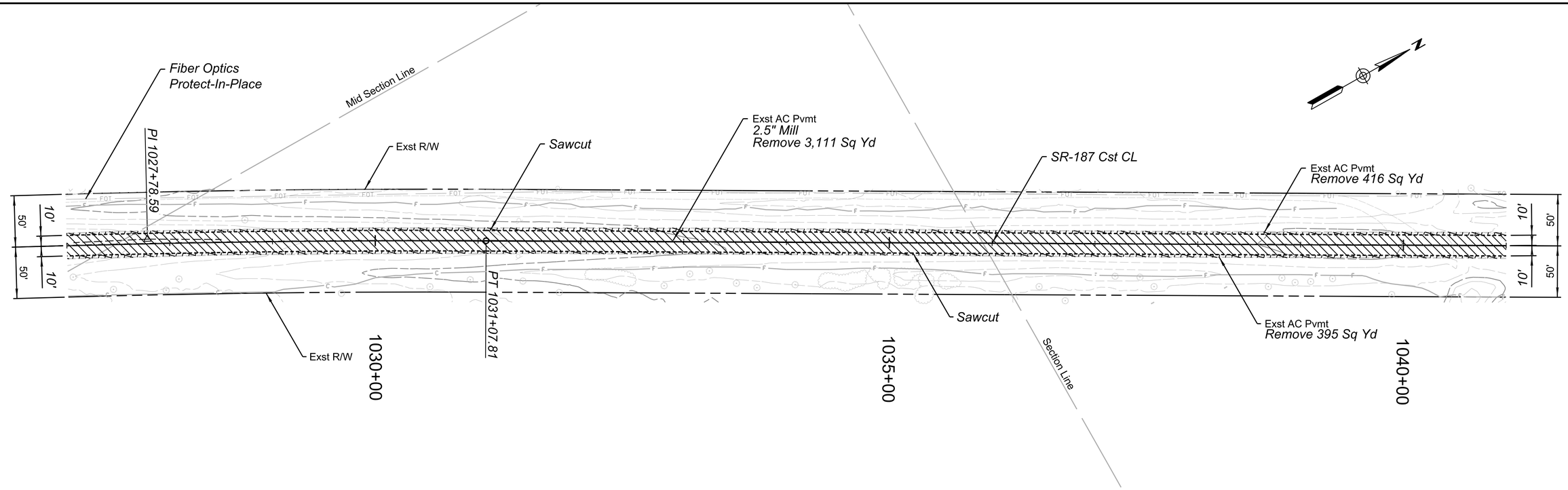
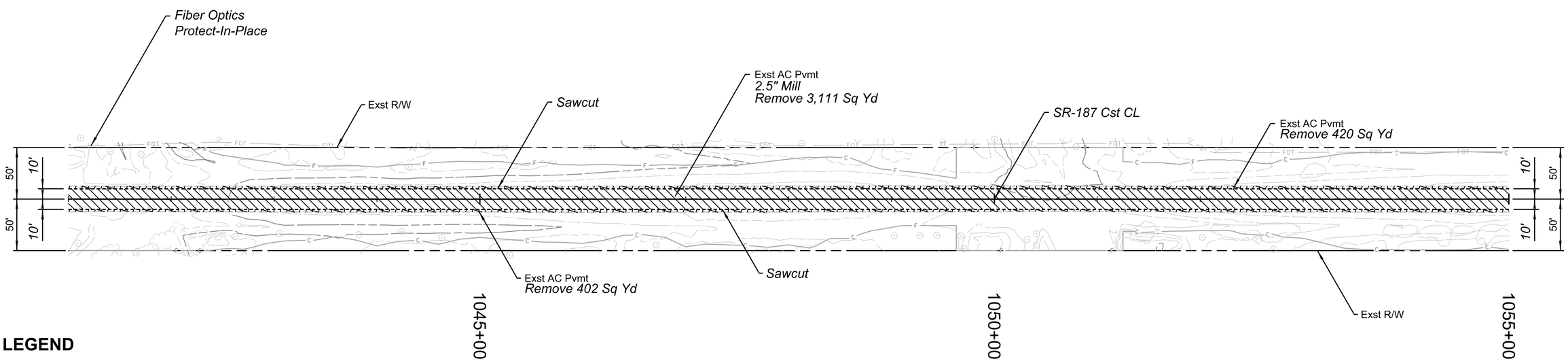




LEGEND

AC PAVEMENT MILLING (2.5")

AC PAVEMENT REMOVAL

NOTES:

1. See Signing Plans for Sign Removals.

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 45854 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 REMOVAL SHEET
Sta 1027+00 to 1055+00

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	187 PN 186	187-A(200)T	21	160	

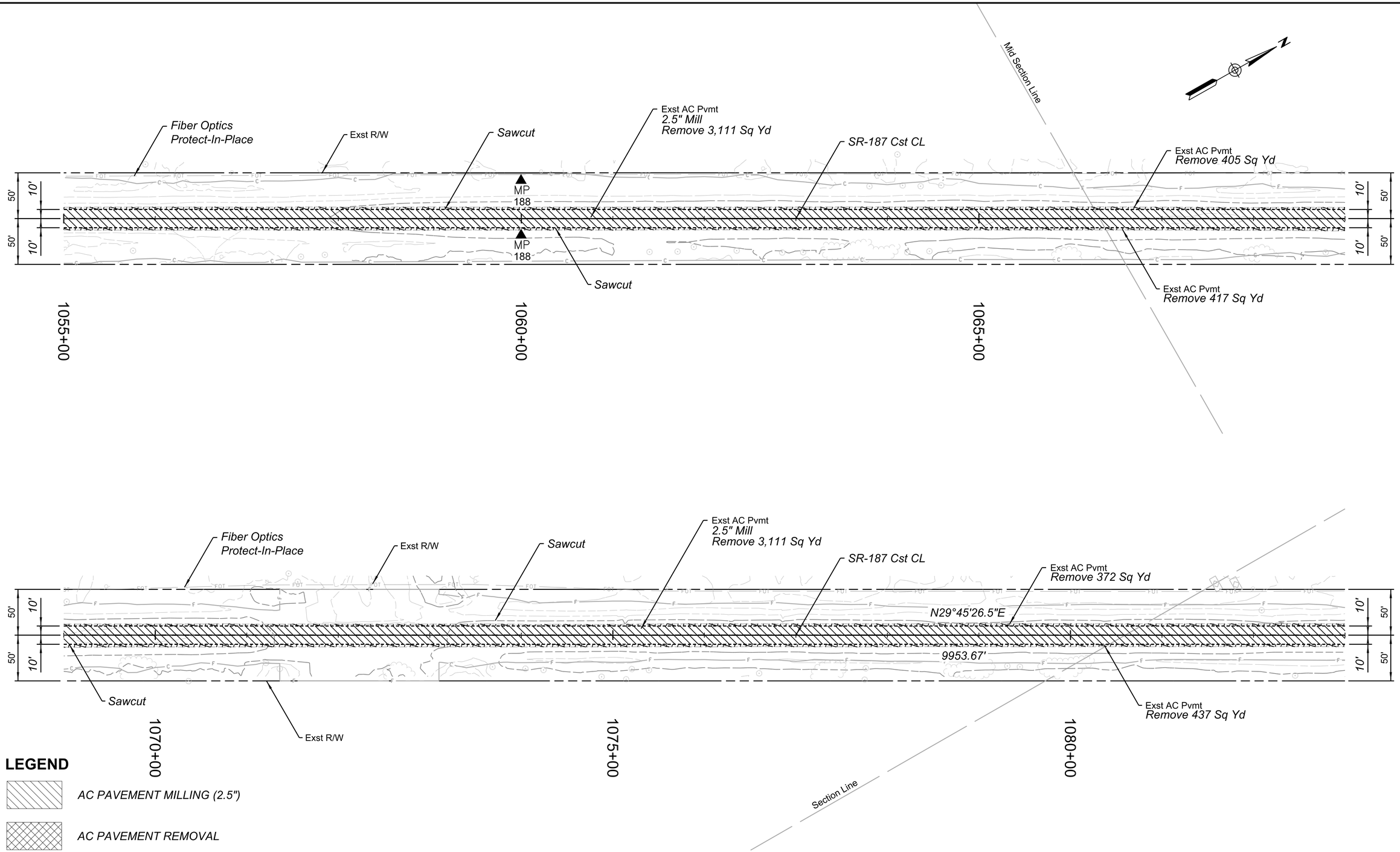
LOCATION SR 187: SR 387 TO SR 87

DWG NO. C-04.02

TRACS NO. F0641 01C

ADOT

___ OF___



LEGEND

AC PAVEMENT MILLING (2.5")

AC PAVEMENT REMOVAL

NOTES:

1. See Signing Plans for Sign Removals.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 REMOVAL SHEET
Sta 1055+00 to 1083+00

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187		ARIZ.	187 PN 186	187-A(200)T	22	160	
MILEPOST	LOCATION	SR 187: SR 387 TO SR 87					DWG NO. C-04.03
STRUCTURE NO.	TRACS NO. F0641 01C		ADOT				___ OF___

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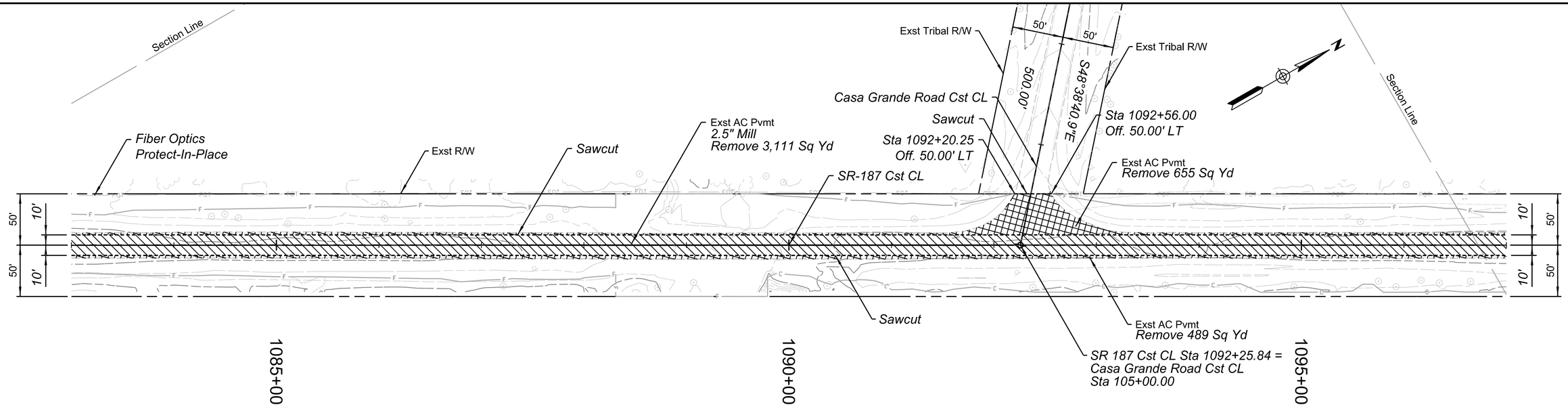
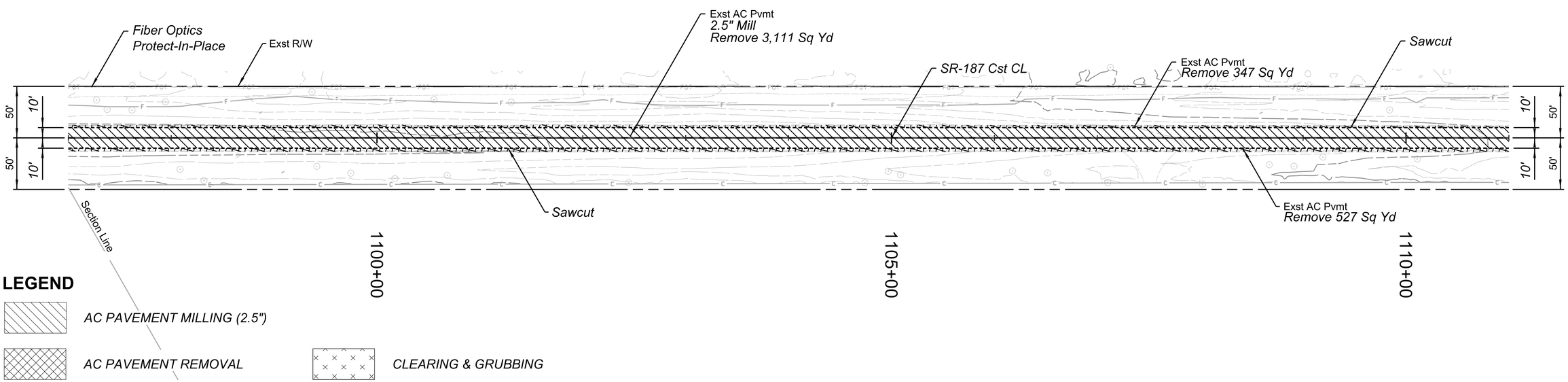




LEGEND

- AC PAVEMENT MILLING (2.5")
- AC PAVEMENT REMOVAL
- CLEARING & GRUBBING

NOTES:

1. See Signing Plans for Sign Removals.

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40854 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 REMOVAL SHEET
Sta 1083+00 to 1111+00

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	187 PN 186	187-A(200)T	23	160	

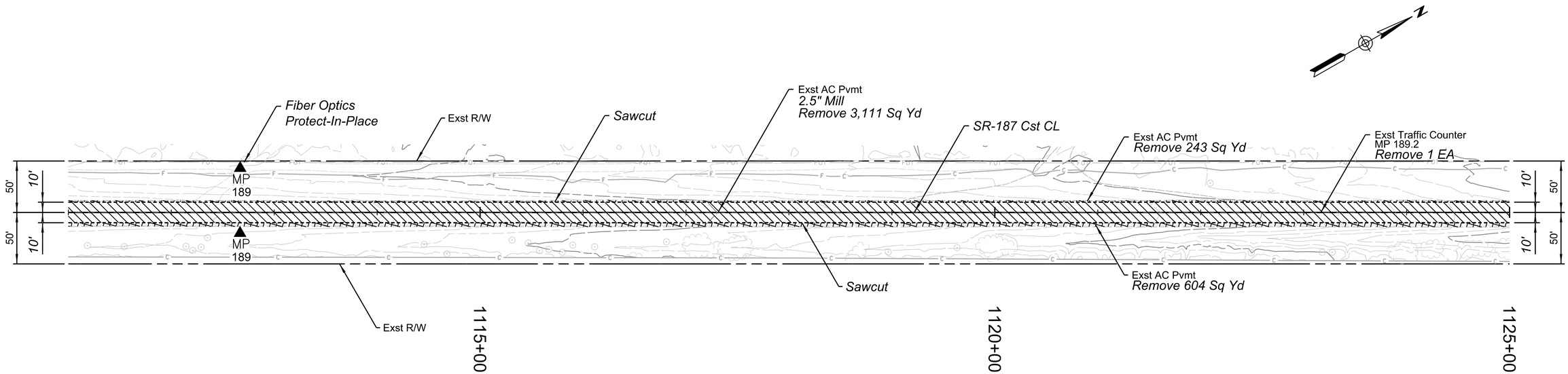
LOCATION SR 187: SR 387 TO SR 87

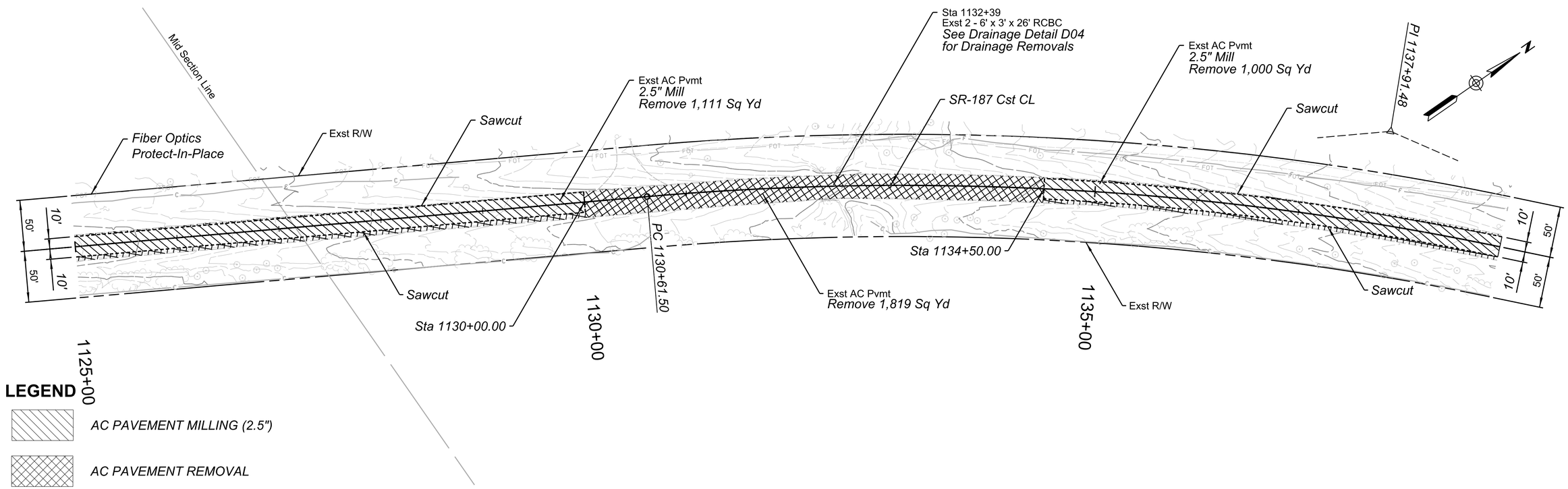
DWG NO. C-04.04

TRACS NO. F0641 01C

ADOT

___ OF ___





LEGEND

AC PAVEMENT MILLING (2.5")

AC PAVEMENT REMOVAL

NOTES:

1. See Signing Plans for Sign Removals.

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40664 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 REMOVAL SHEET
Sta 1111+00 to 1139+00

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	187 PN 186	187-A(200)T	24	160	

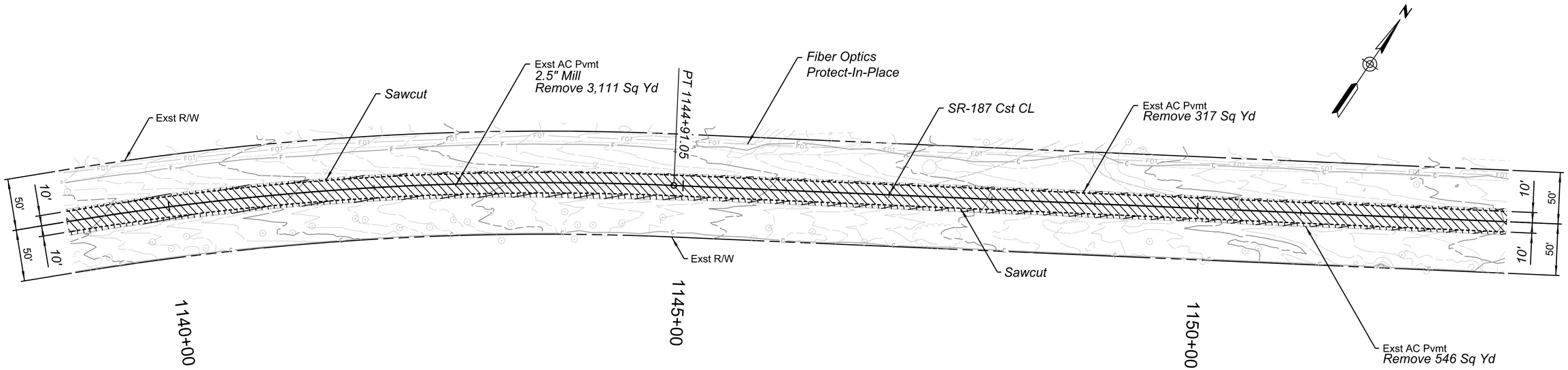
LOCATION SR 187: SR 387 TO SR 87

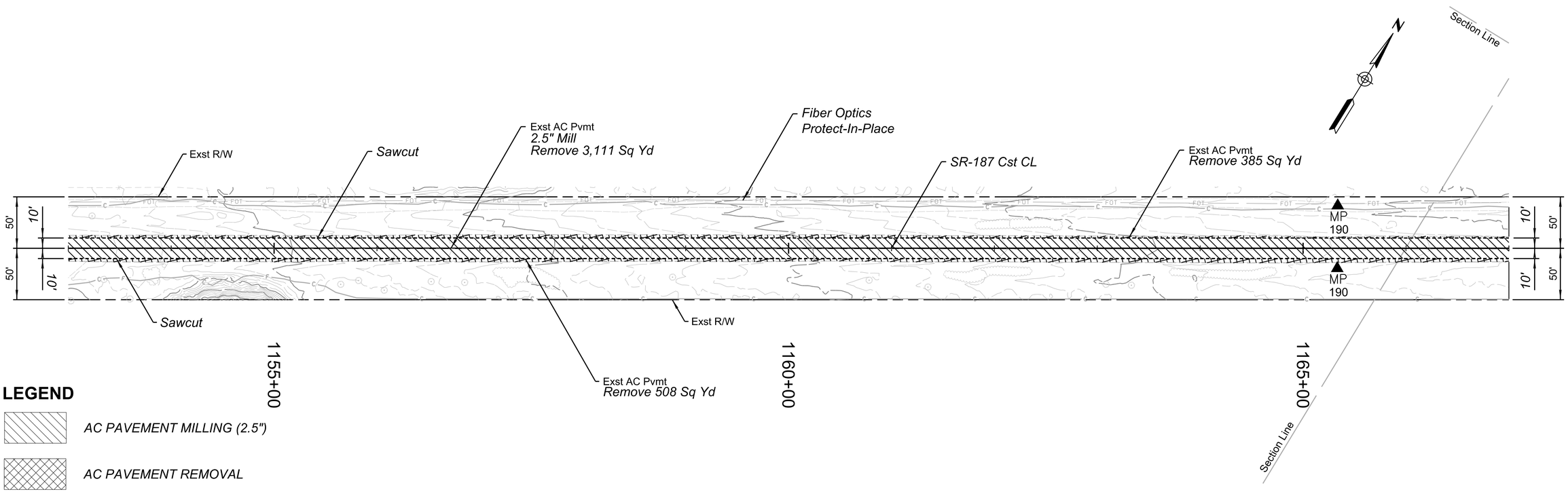
DWG NO. C-04.05

TRACS NO. F0641 01C

ADOT

___ OF ___





LEGEND

AC PAVEMENT MILLING (2.5")

AC PAVEMENT REMOVAL

NOTES:

1. See Signing Plans for Sign Removals.

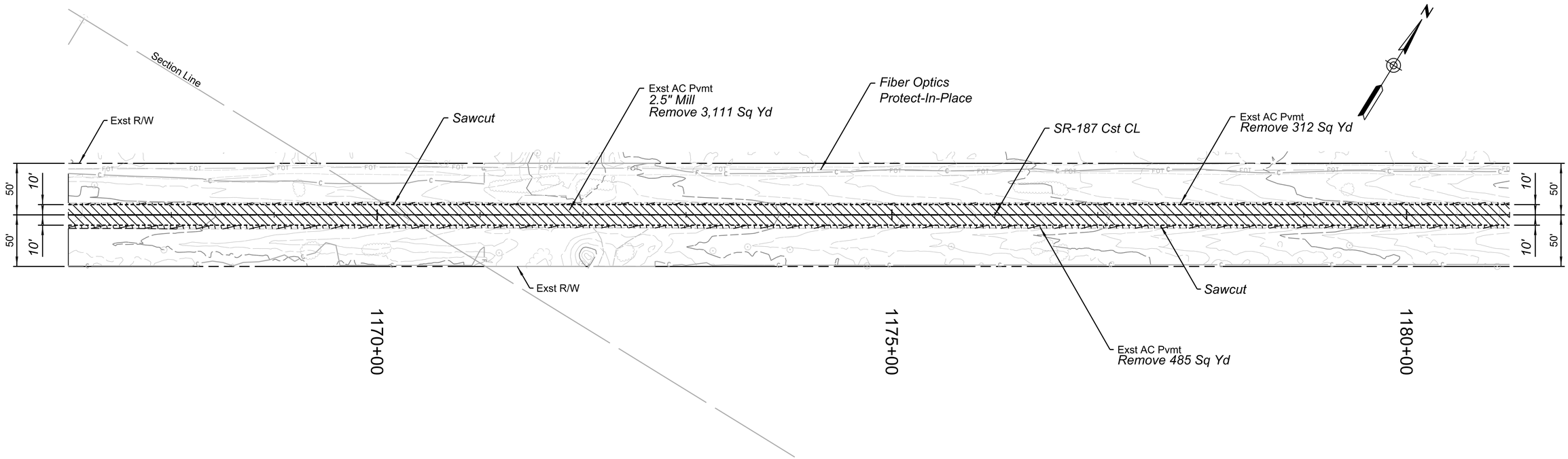
	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

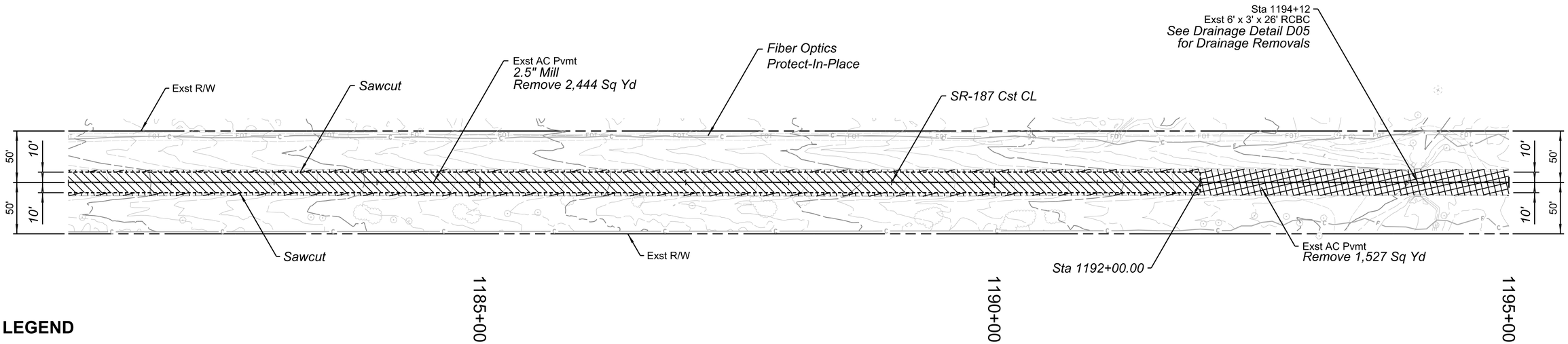
WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 REMOVAL SHEET
Sta 1139+00 to 1167+00

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187		ARIZ.	187 PN 186	187-A(200)T	25	160	
MILEPOST	LOCATION	SR 187: SR 387 TO SR 87				DWG NO. C-04.06	
STRUCTURE NO.	TRACS NO. F0641 01C	ADOT				____ OF____	





LEGEND

AC PAVEMENT MILLING (2.5")

AC PAVEMENT REMOVAL

NOTES:

1. See Signing Plans for Sign Removals.

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40654 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 REMOVAL SHEET
Sta 1167+00 to 1195+00

ROUTE: SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	187 PN 186	187-A(200)T	26	160	

LOCATION: SR 187: SR 387 TO SR 87

DWG NO. C-04.07

TRACS NO. F0641 01C

ADOT

____ OF ____

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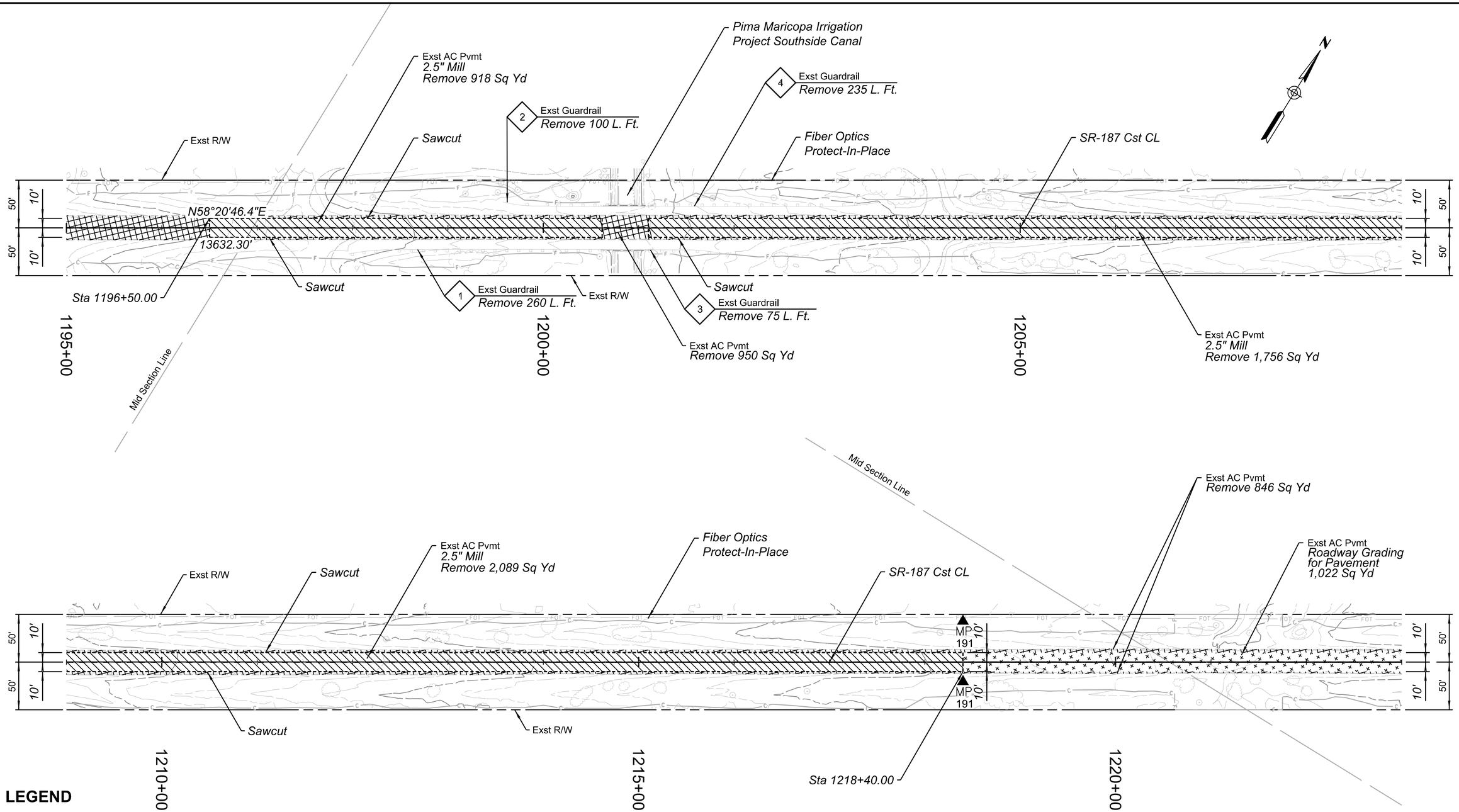


LEGEND

AC PAVEMENT MILLING (2.5")

AC PAVEMENT REMOVAL

ROADWAY GRADING FOR PAVEMENT

NOTES:

1. See Signing Plans for Sign Removals.

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40884 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 REMOVAL SHEET
Sta 1195+00 to 1223+00

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division

STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	187 PN 186	187-A(200)T	27	160	

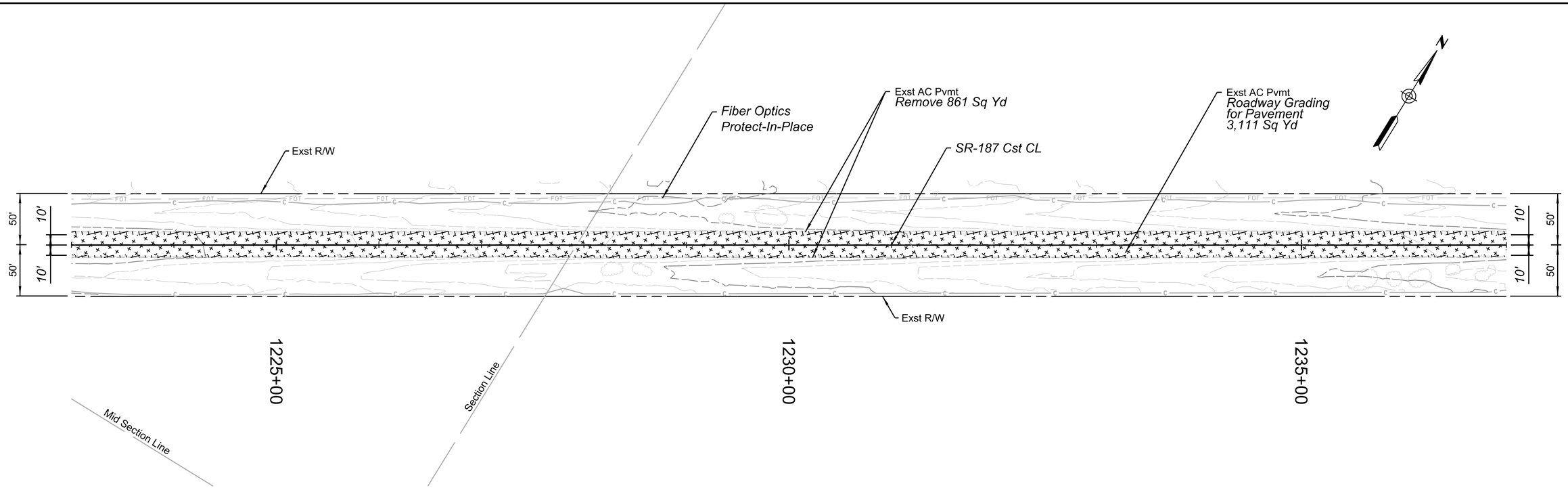
LOCATION SR 187: SR 387 TO SR 87

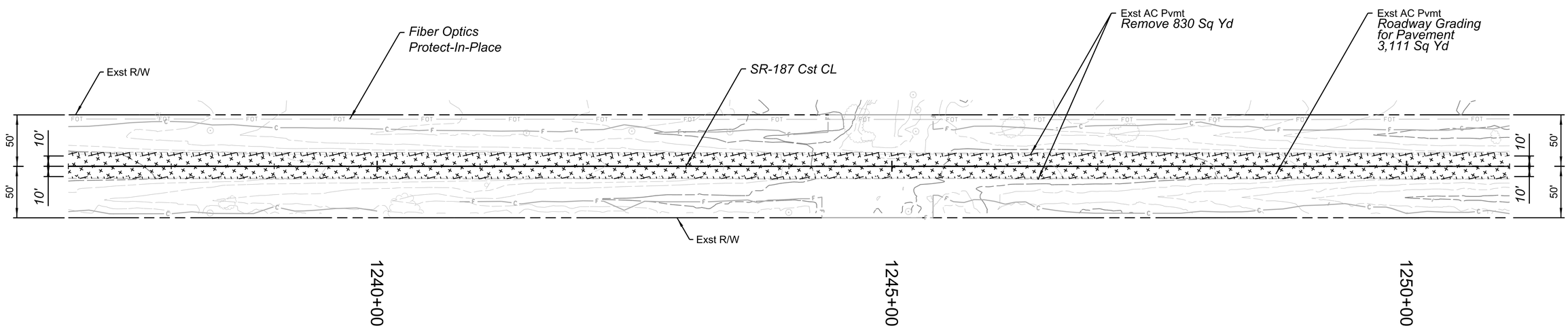
TRACS NO. F0641 01C

ADOT

DWG NO. C-04.08

____ OF____





LEGEND

ROADWAY GRADING FOR PAVEMENT

AC PAVEMENT REMOVAL

NOTES:

1. See Signing Plans for Sign Removals.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 REMOVAL SHEET
Sta 1223+00 to 1251+00

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187		ARIZ.	187 PN 186	187-A(200)T	28	160	
MILEPOST	LOCATION	SR 187: SR 387 TO SR 87					DWG NO. C-04.09
STRUCTURE NO.	TRACS NO. F0641 01C	ADOT					___ OF___

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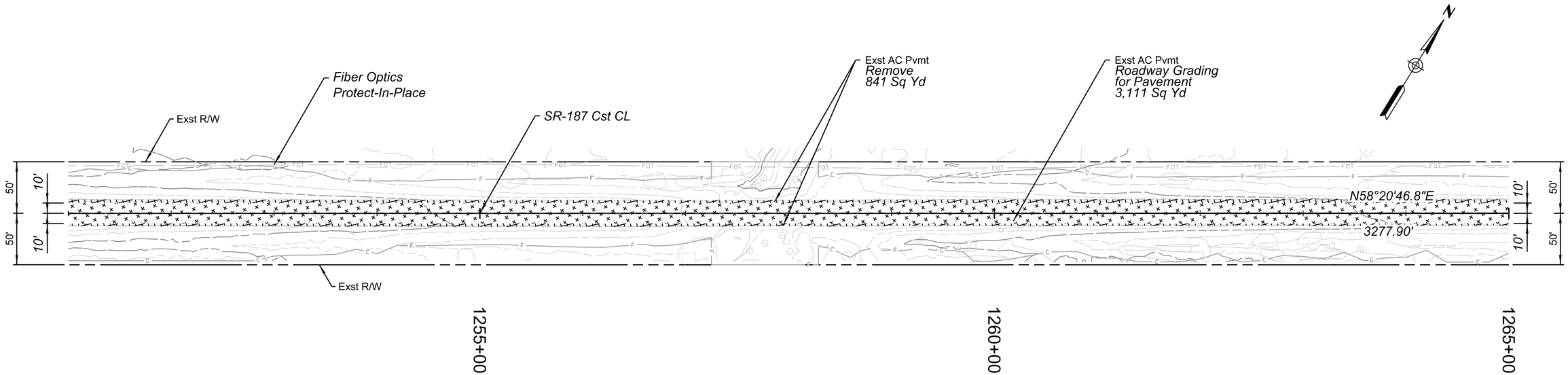

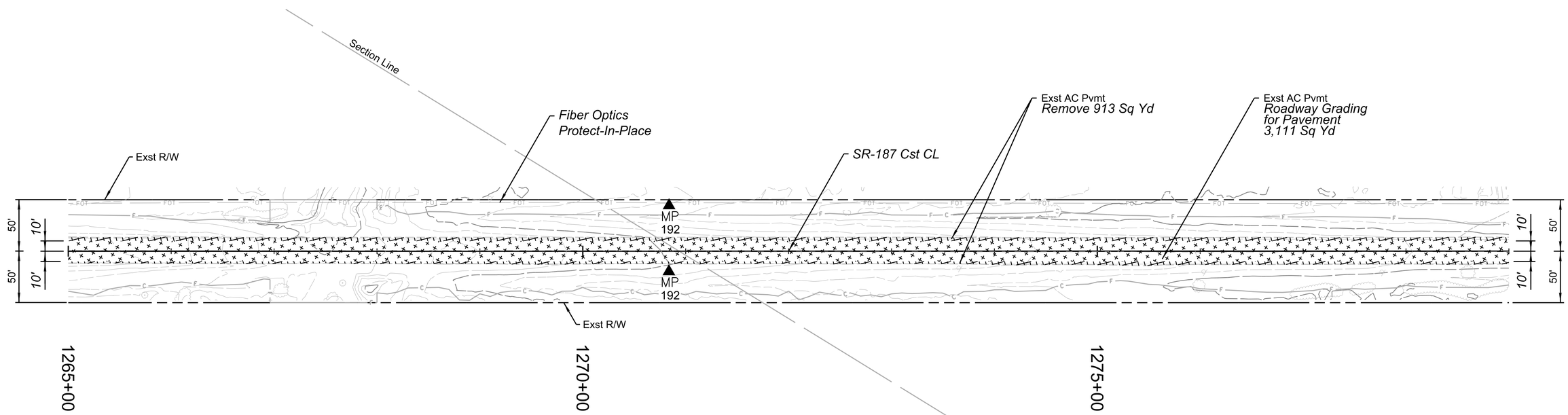

LEGEND

ROADWAY GRADING FOR PAVEMENT

AC PAVEMENT REMOVAL

NOTES:

1. See Signing Plans for Sign Removals.

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 42664 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 REMOVAL SHEET
Sta 1251+00 to 1279+00

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	187 PN 186	187-A(200)T	29	160	

LOCATION SR 187: SR 387 TO SR 87

DWG NO. C-04.10

TRACS NO. F0641 01C

ADOT

____ OF ____

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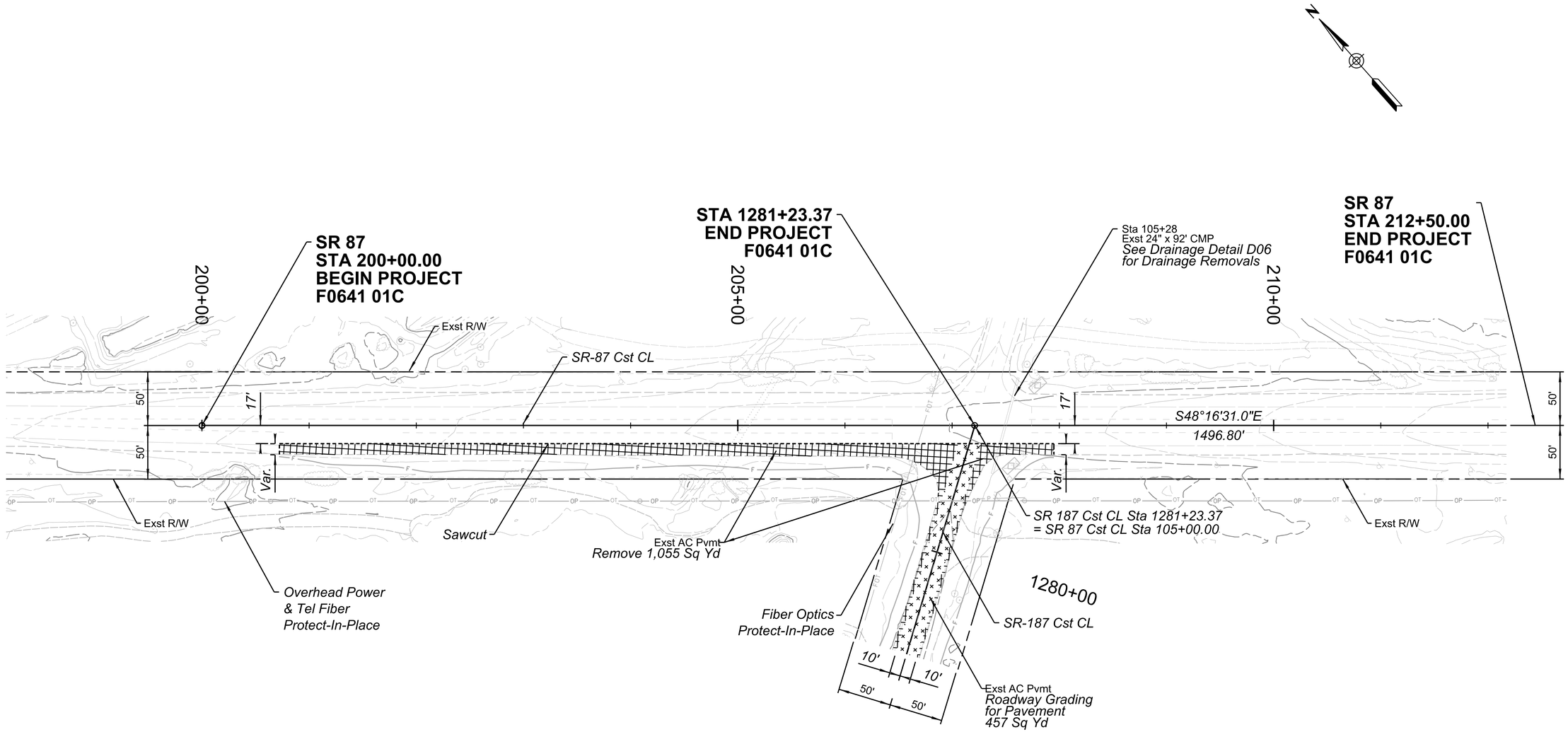

LEGEND

ROADWAY GRADING FOR PAVEMENT

AC PAVEMENT REMOVAL

NOTES:

1. See Signing Plans for Sign Removals.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 87 REMOVAL SHEET

ROUTE	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187	ARIZ.	187 PN 186	187-A(200)T	30	160	

F.H.W.A. Arizona Division

MILEPOST

STRUCTURE NO.

LOCATION SR 187: SR 387 TO SR 87

TRACS NO. F0641 01C

ADOT

DWG NO. C-04.11

___ OF ___

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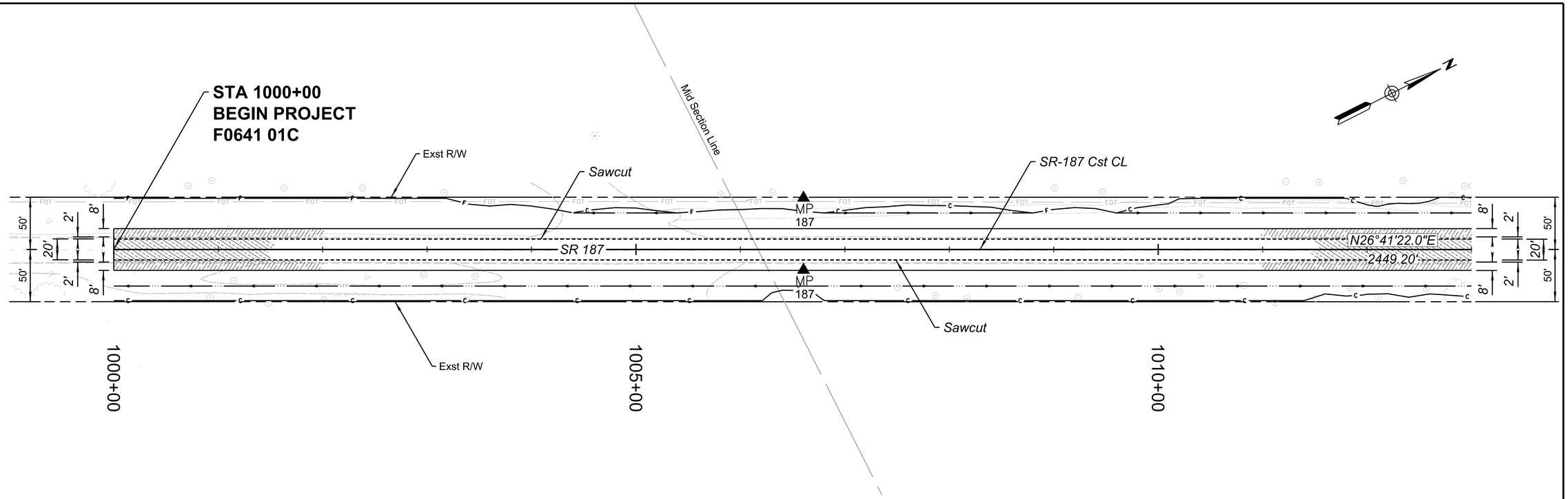

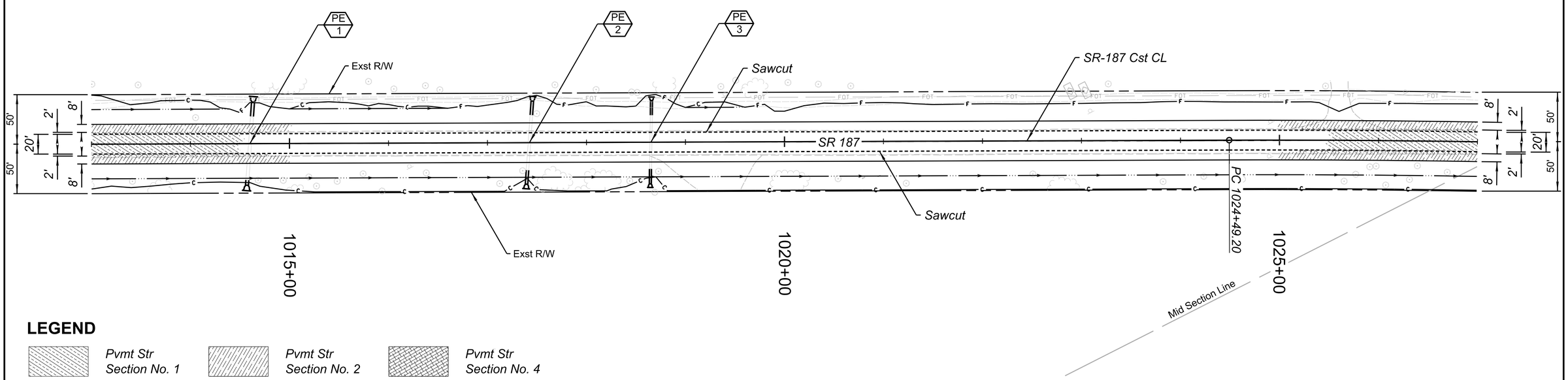

LEGEND

- *Pvmt Str Section No. 1*
- *Pvmt Str Section No. 2*
- *Pvmt Str Section No. 4*

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 PLAN SHEET
Sta 1000+00 to 1027+00

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187		ARIZ.	187 PN 186	187-A(200)T	31	160	
MILEPOST	LOCATION	SR 187: SR 387 TO SR 87					DWG NO. C-05.01
STRUCTURE NO.	TRACS NO. F0641 01C	ADOT					___ OF___

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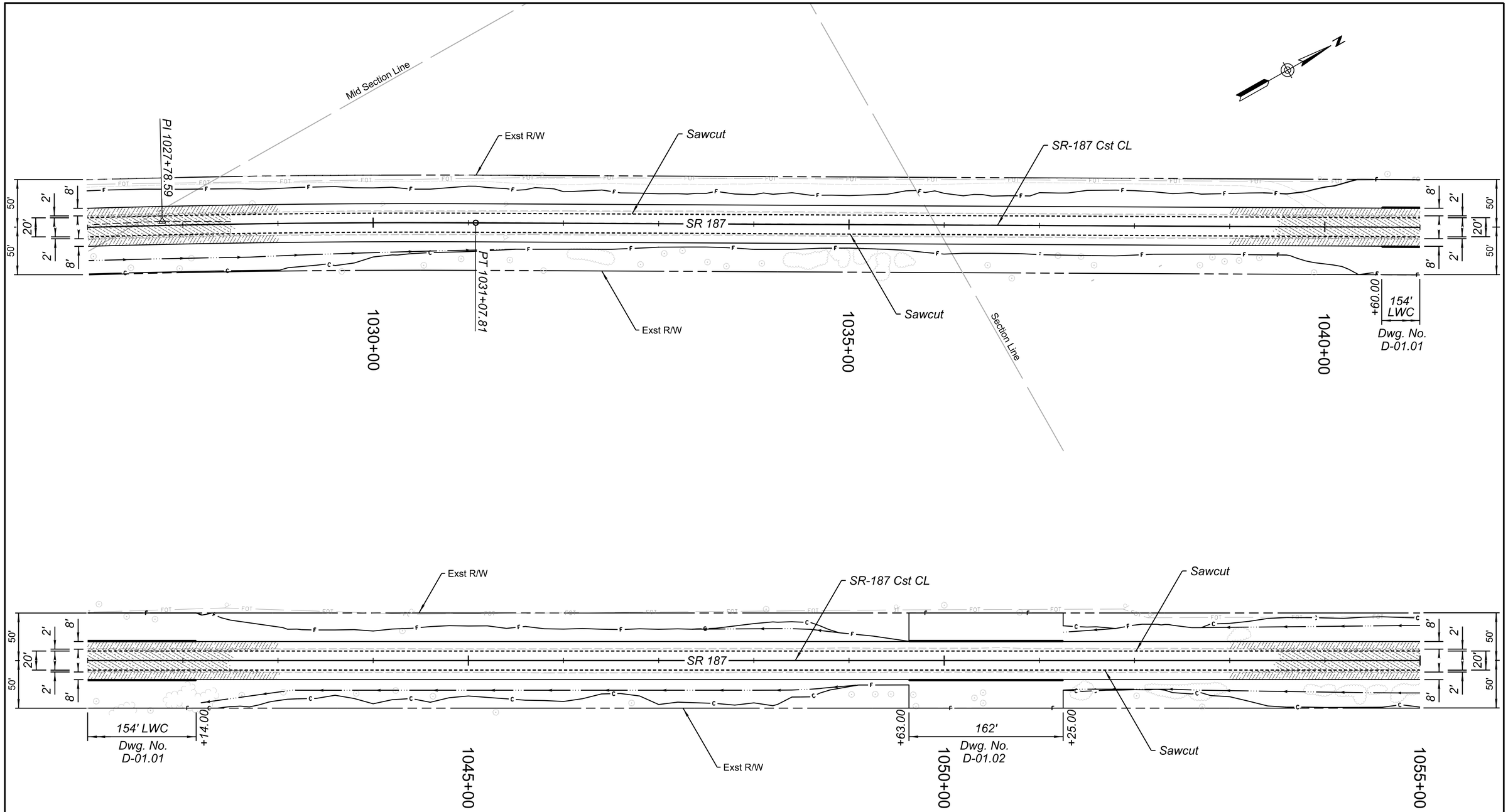

LEGEND

- Pvmt Str Section No. 1
- Pvmt Str Section No. 2
- Pvmt Str Section No. 4

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40654 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 PLAN SHEET
Sta 1027+00 to 1055+00

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	187 PN 186	187-A(200)T	32	160	

LOCATION SR 187: SR 387 TO SR 87

DWG NO. C-05.02

TRACS NO. F0641 01C

ADOT

___ OF ___

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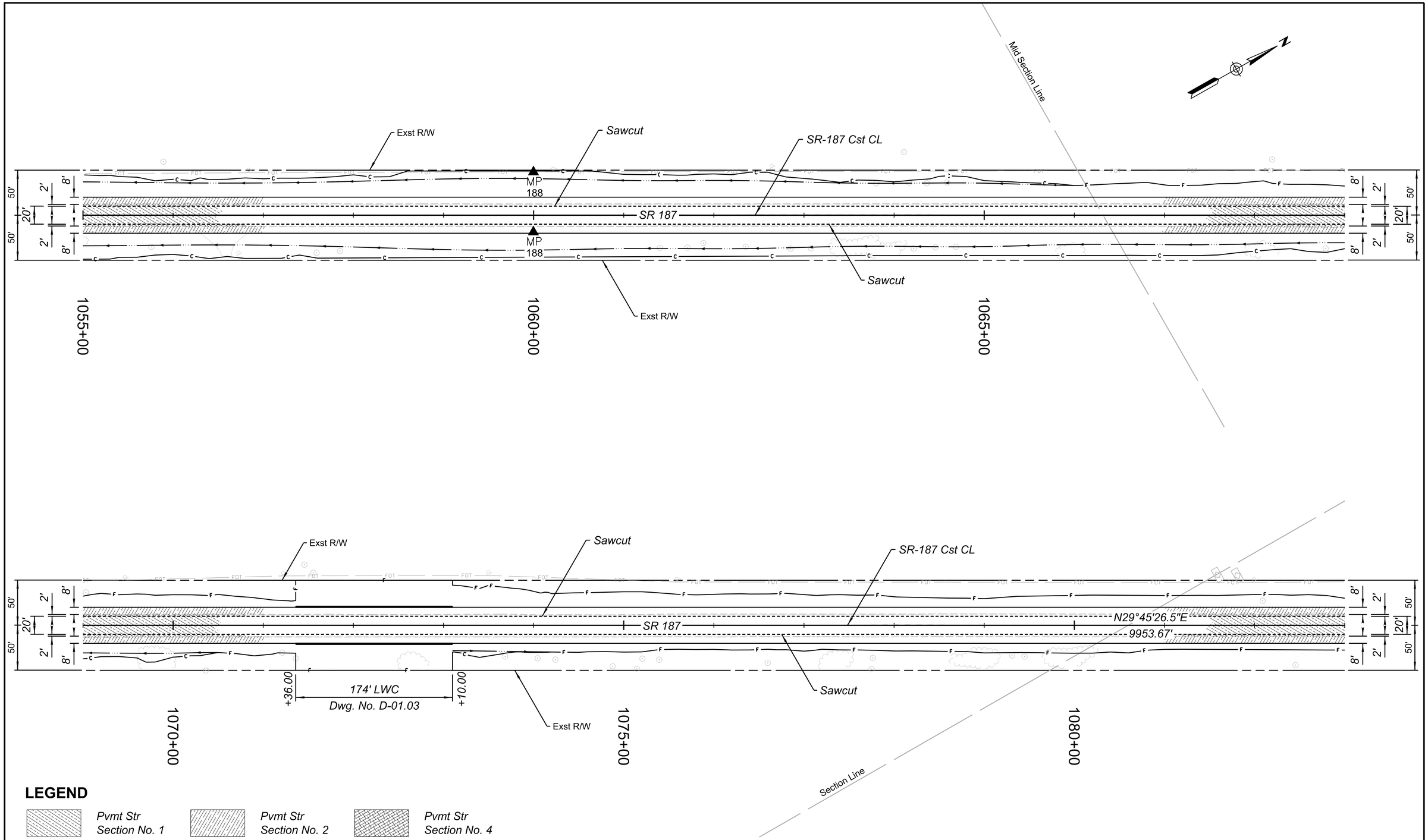

LEGEND

- Pvmt Str Section No. 1
- Pvmt Str Section No. 2
- Pvmt Str Section No. 4

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40654 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 PLAN SHEET
Sta 1055+00 to 1083+00

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division

STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	187 PN 186	187-A(200)T	33	160	

LOCATION SR 187: SR 387 TO SR 87

TRACS NO. F0641 01C

ADOT

DWG NO. C-05.03

____ OF ____

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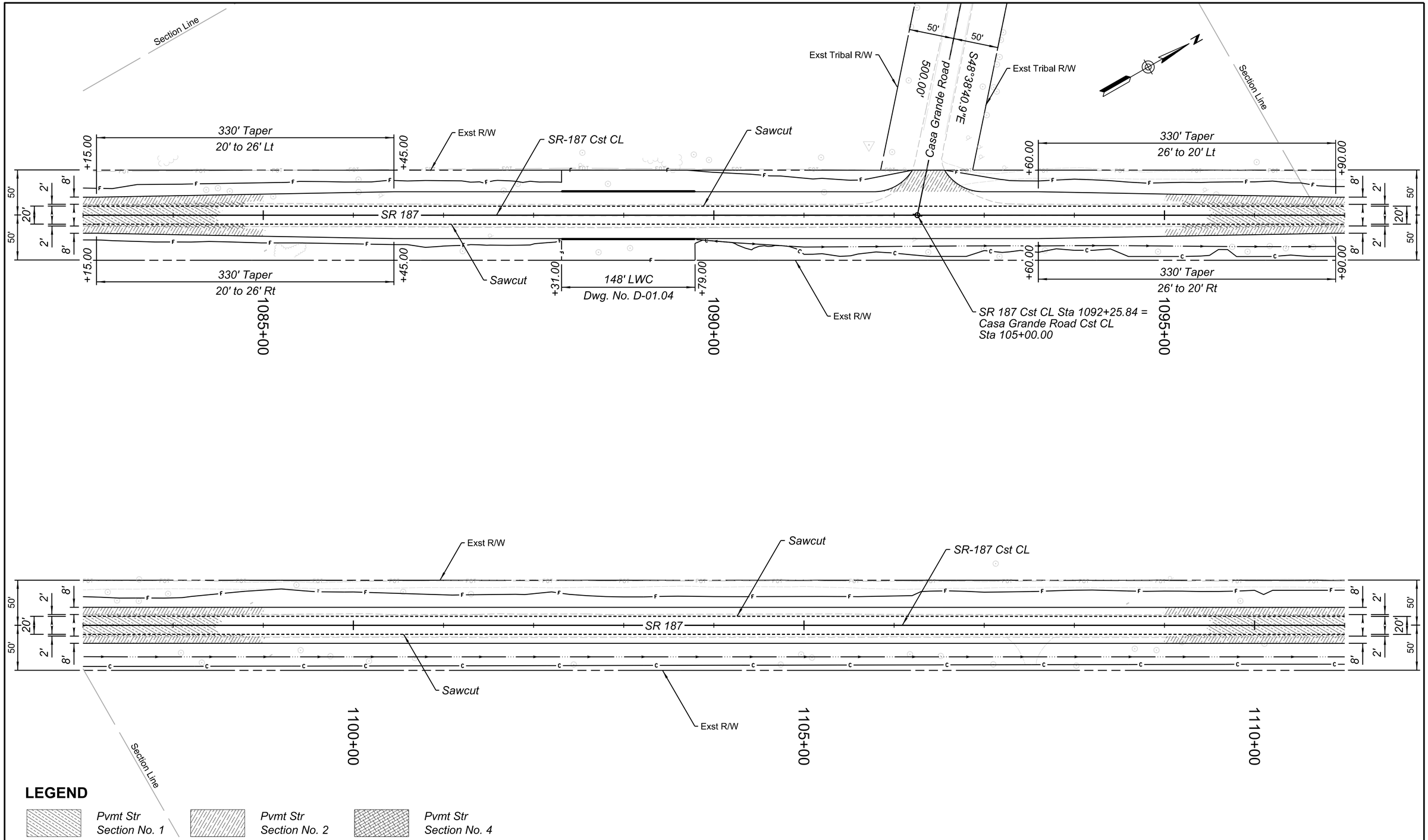

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40654 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 PLAN SHEET
Sta 1083+00 to 1111+00

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	187 PN 186	187-A(200)T	34	160	

LOCATION SR 187: SR 387 TO SR 87

DWG NO. C-05.04

TRACS NO. F0641 01C

ADOT

____ OF ____

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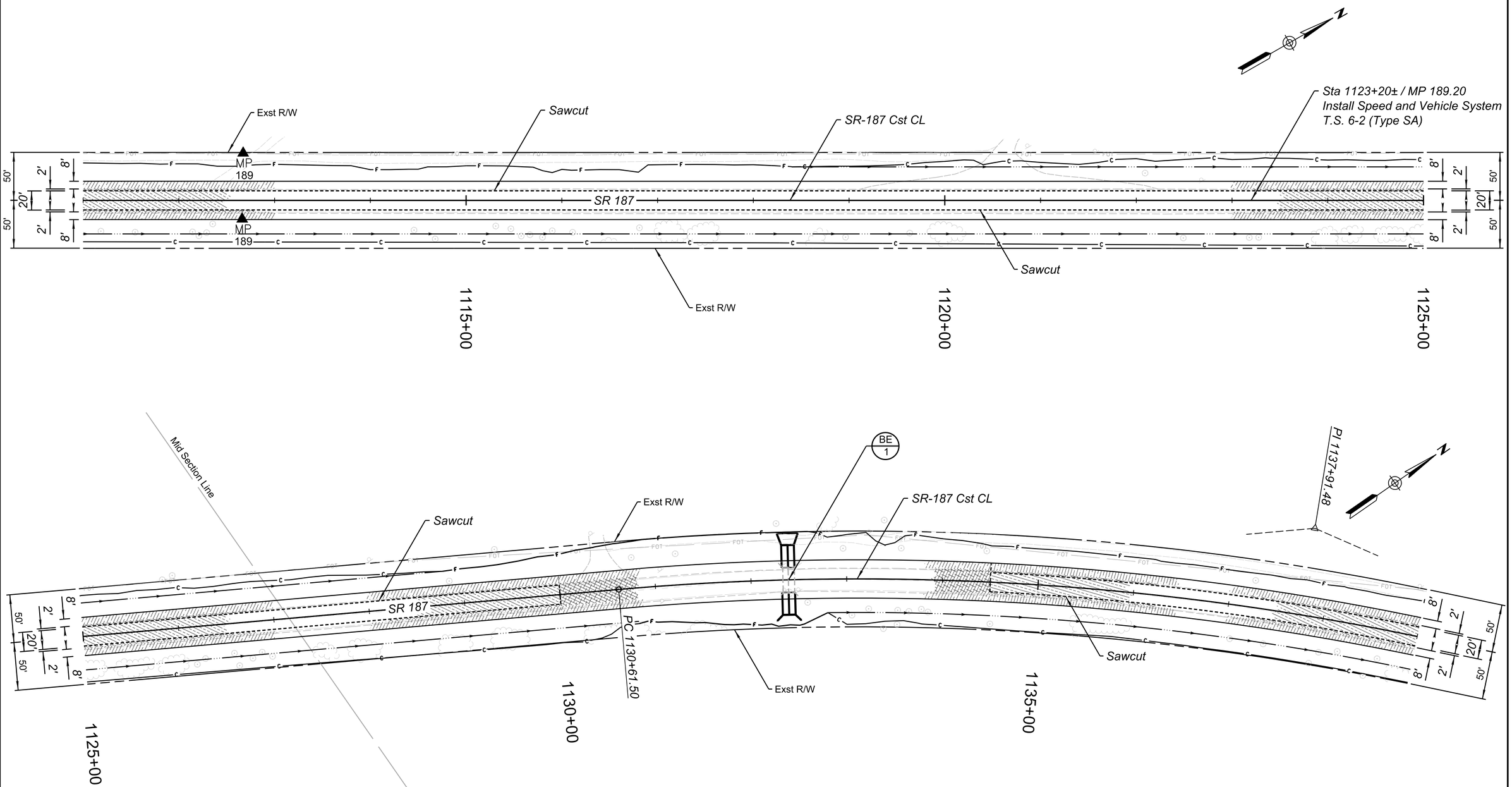


LEGEND

- Pvmt Str Section No. 1
- Pvmt Str Section No. 2
- Pvmt Str Section No. 4

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40894 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 PLAN SHEET
Sta 1111+00 to 1139+00

ROUTE: SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	187 PN 186	187-A(200)T	35	160	

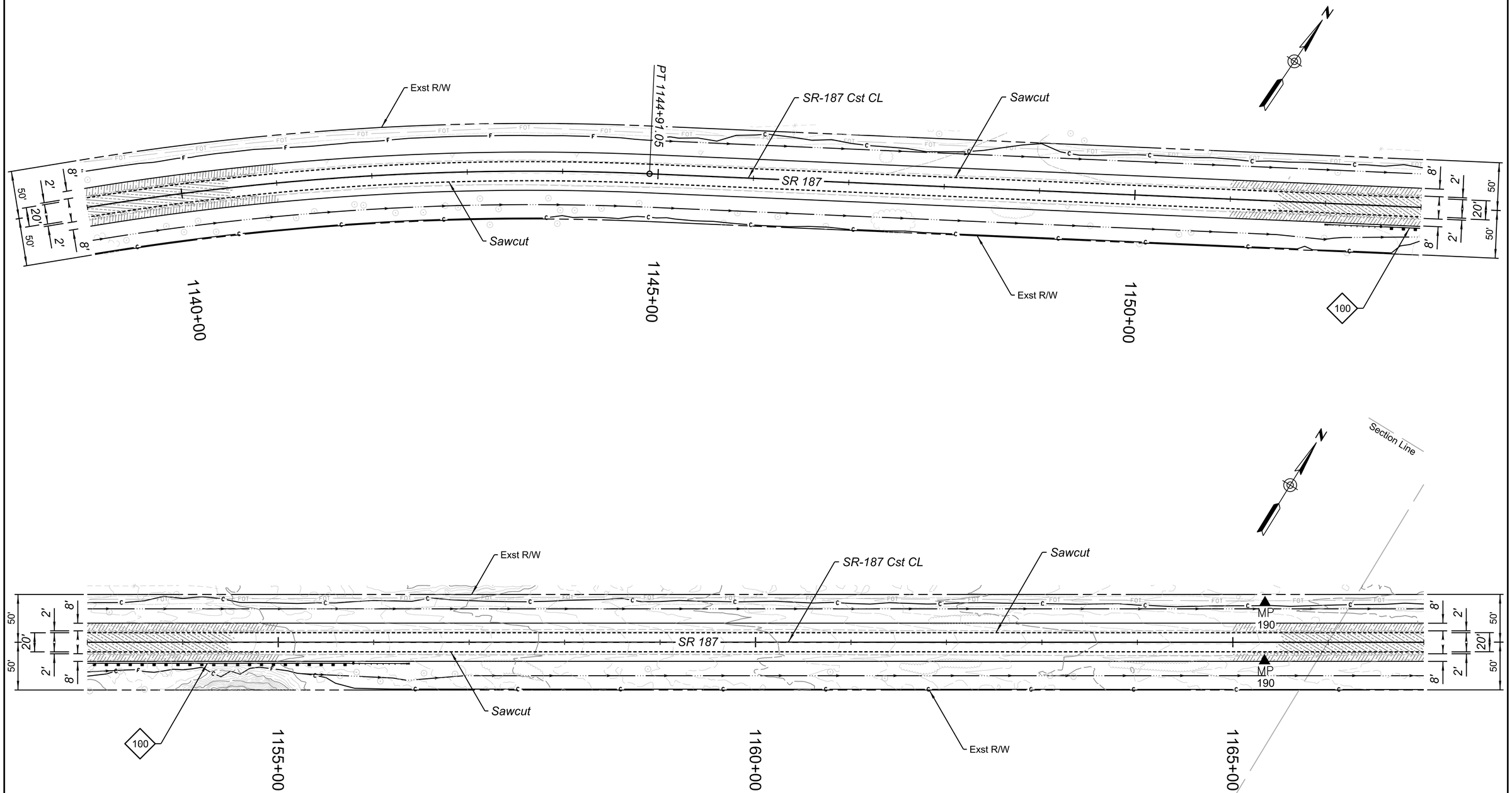
LOCATION: SR 187: SR 387 TO SR 87

TRACS NO. F0641 01C

ADOT

DWG NO. C-05.05

____ OF ____



LEGEND

- Pvmt Str Section No. 1
- Pvmt Str Section No. 2
- Pvmt Str Section No. 4

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 PLAN SHEET
Sta 1139+00 to 1167+00

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187		ARIZ.	187 PN 186	187-A(200)T	36	160	
MILEPOST	LOCATION	SR 187: SR 387 TO SR 87				DWG NO. C-05.06	
STRUCTURE NO.	TRACS NO. F0641 01C	ADOT				____ OF____	

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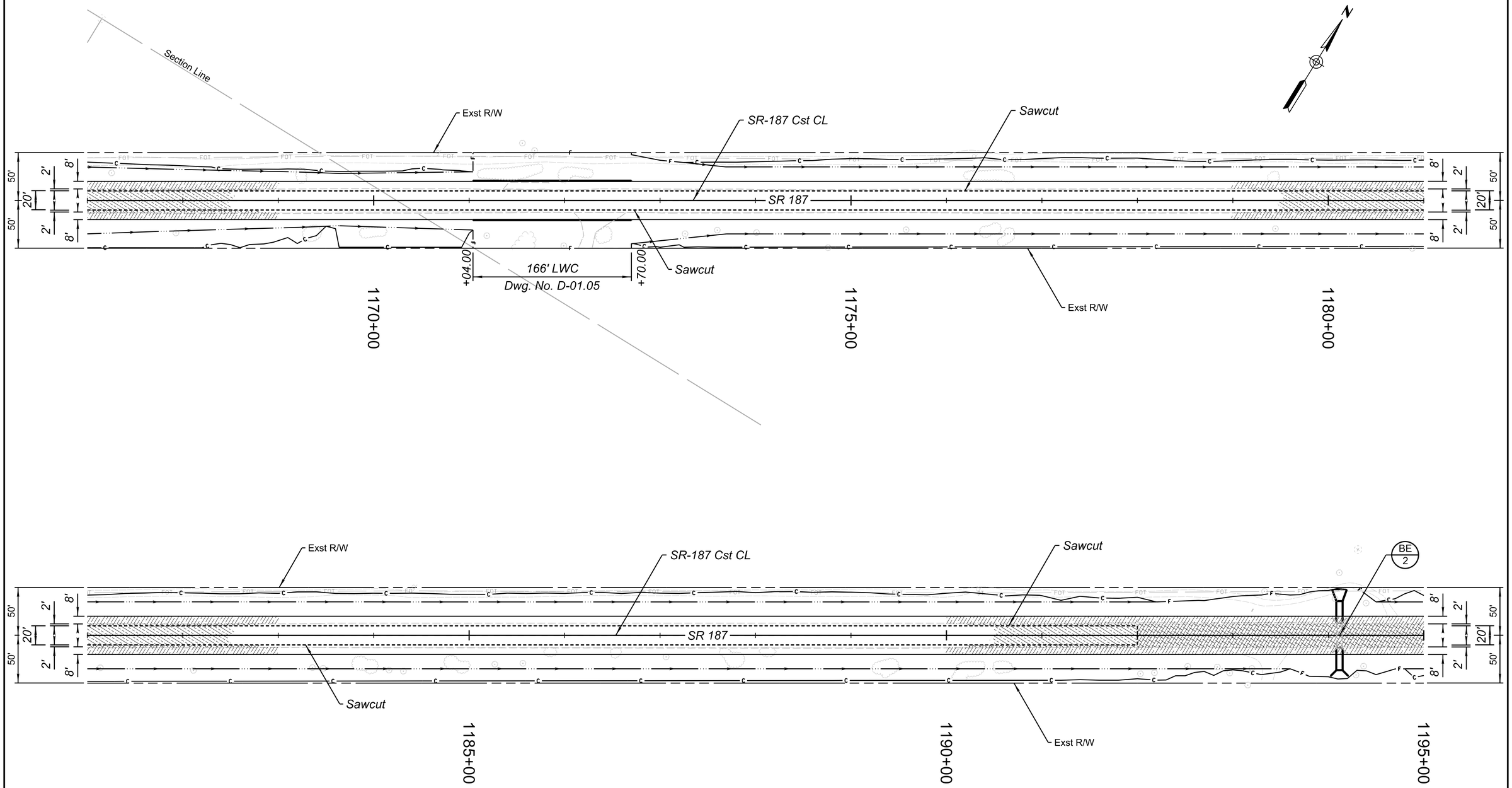

LEGEND

- Pvmt Str Section No. 1
- Pvmt Str Section No. 2
- Pvmt Str Section No. 4

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40854 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 PLAN SHEET
Sta 1167+00 to 1195+00

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187		ARIZ.	187 PN 186	187-A(200)T	37	160	
MILEPOST	LOCATION	SR 187: SR 387 TO SR 87					DWG NO. C-05.07
STRUCTURE NO.	TRACS NO. F0641 01C	ADOT					____ OF____

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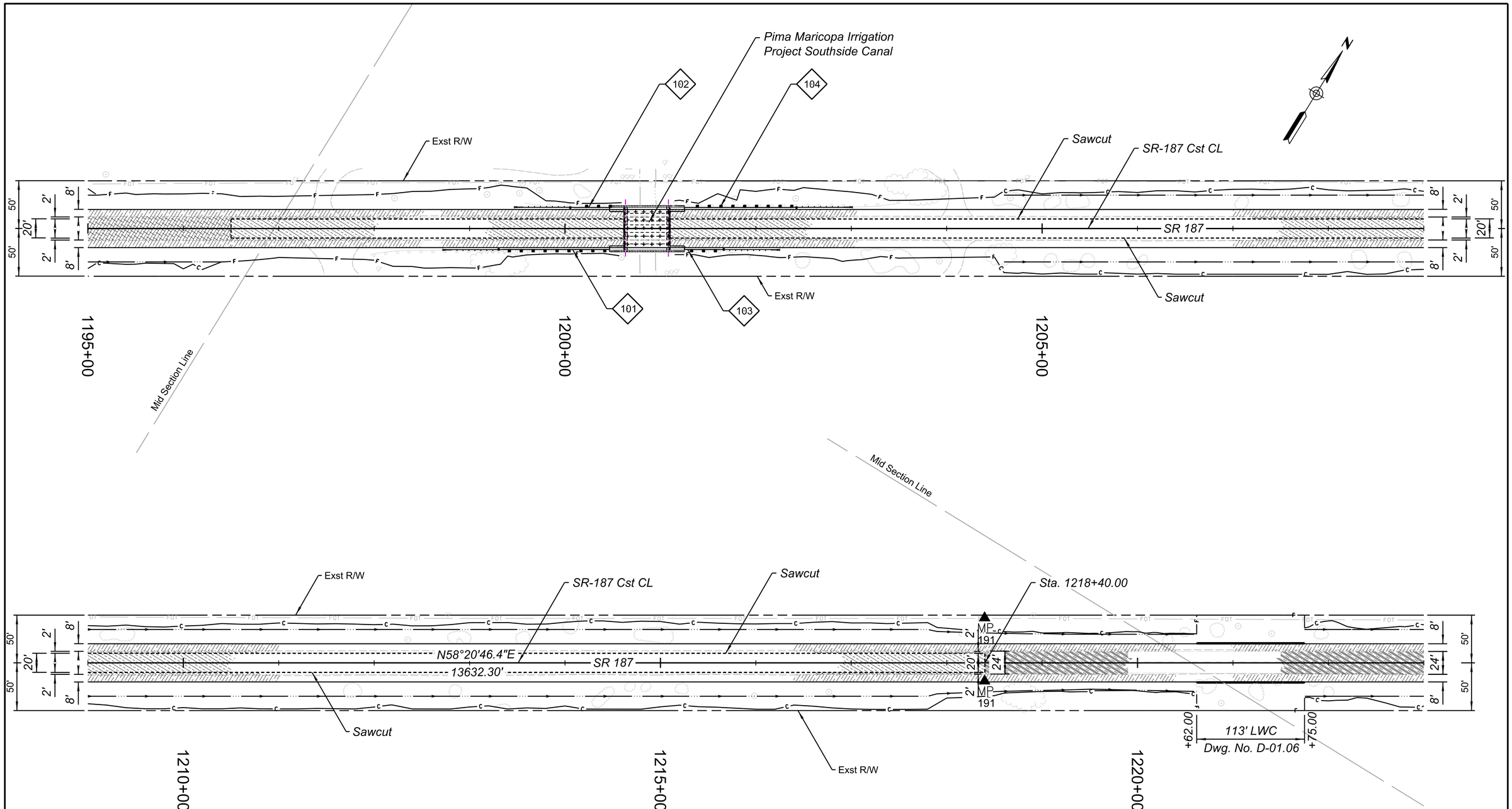

LEGEND

- Pvmt Str Section No. 1
- Pvmt Str Section No. 2
- Pvmt Str Section No. 3
- Pvmt Str Section No. 4
- Pvmt Str Section No. 5

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 42664 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 PLAN SHEET
Sta 1195+00 to 1223+00

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	187 PN 186	187-A(200)T	38	160	

LOCATION SR 187: SR 387 TO SR 87

DWG NO. C-05.08

TRACS NO. F0641 01C

ADOT

____ OF ____

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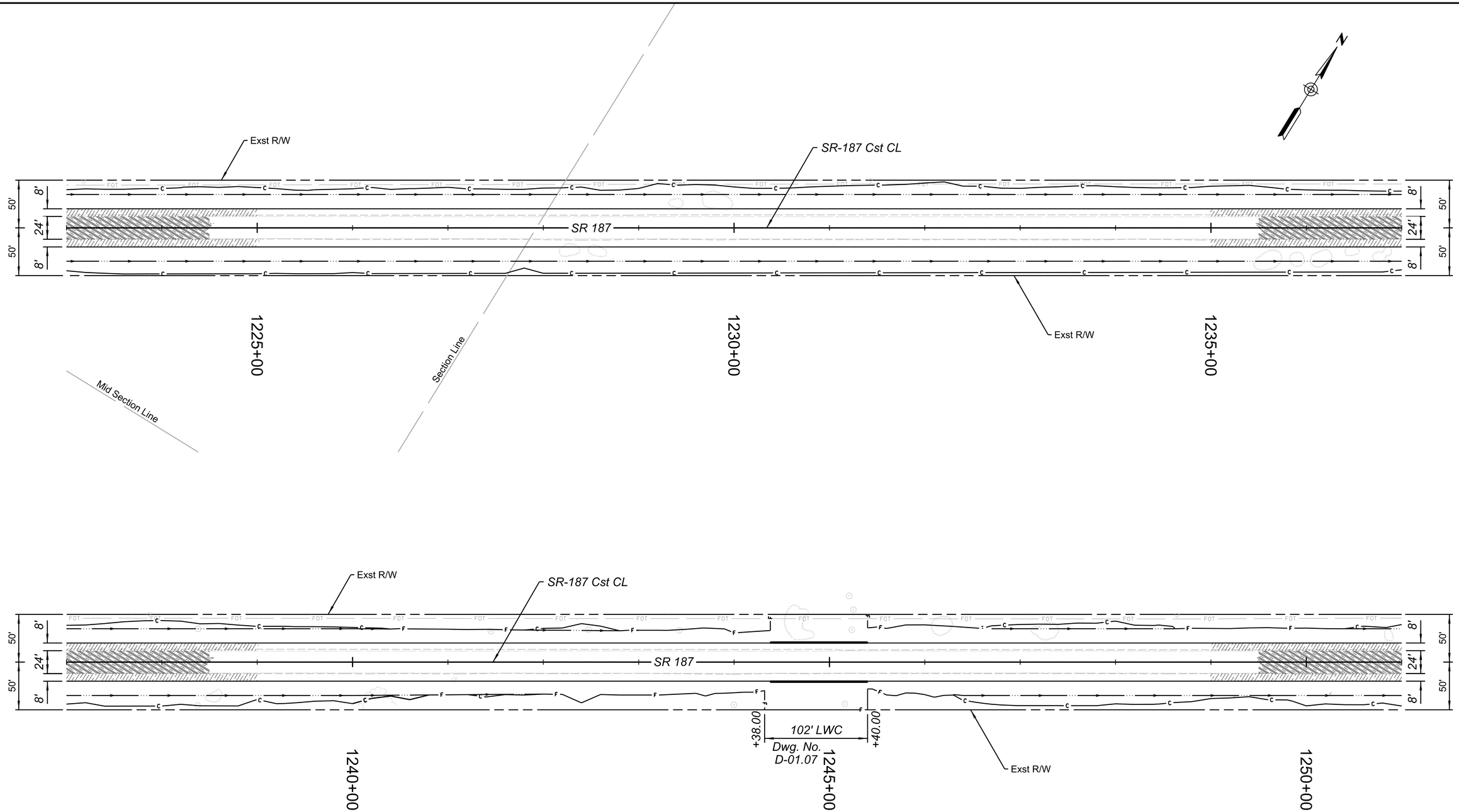


LEGEND

Pvmt Str Section No. 2

Pvmt Str Section No. 3

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

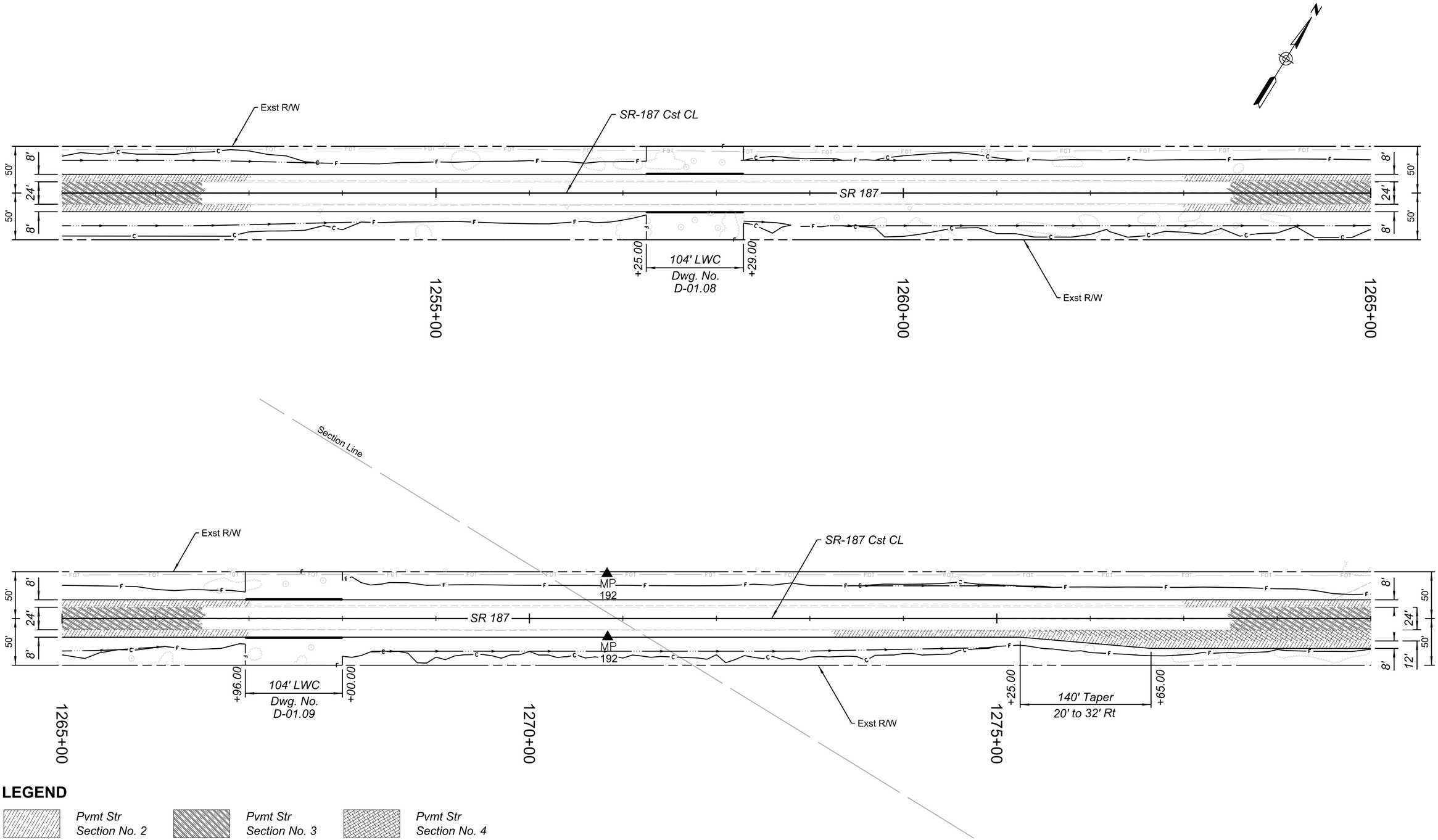
WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 PLAN SHEET
Sta 1223+00 to 1251+00

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187		ARIZ.	187 PN 186	187-A(200)T	39	160	
MILEPOST	LOCATION	SR 187: SR 387 TO SR 87					DWG NO. C-05.09
STRUCTURE NO.	TRACS NO. F0641 01C		ADOT				___ OF___

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40664 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.



LEGEND

- Pvmt Str Section No. 2
- Pvmt Str Section No. 3
- Pvmt Str Section No. 4

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 42664 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 PLAN SHEET
Sta 1251+00 to 1279+00

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	187 PN 186	187-A(200)T	40	160	

LOCATION SR 187: SR 387 TO SR 87

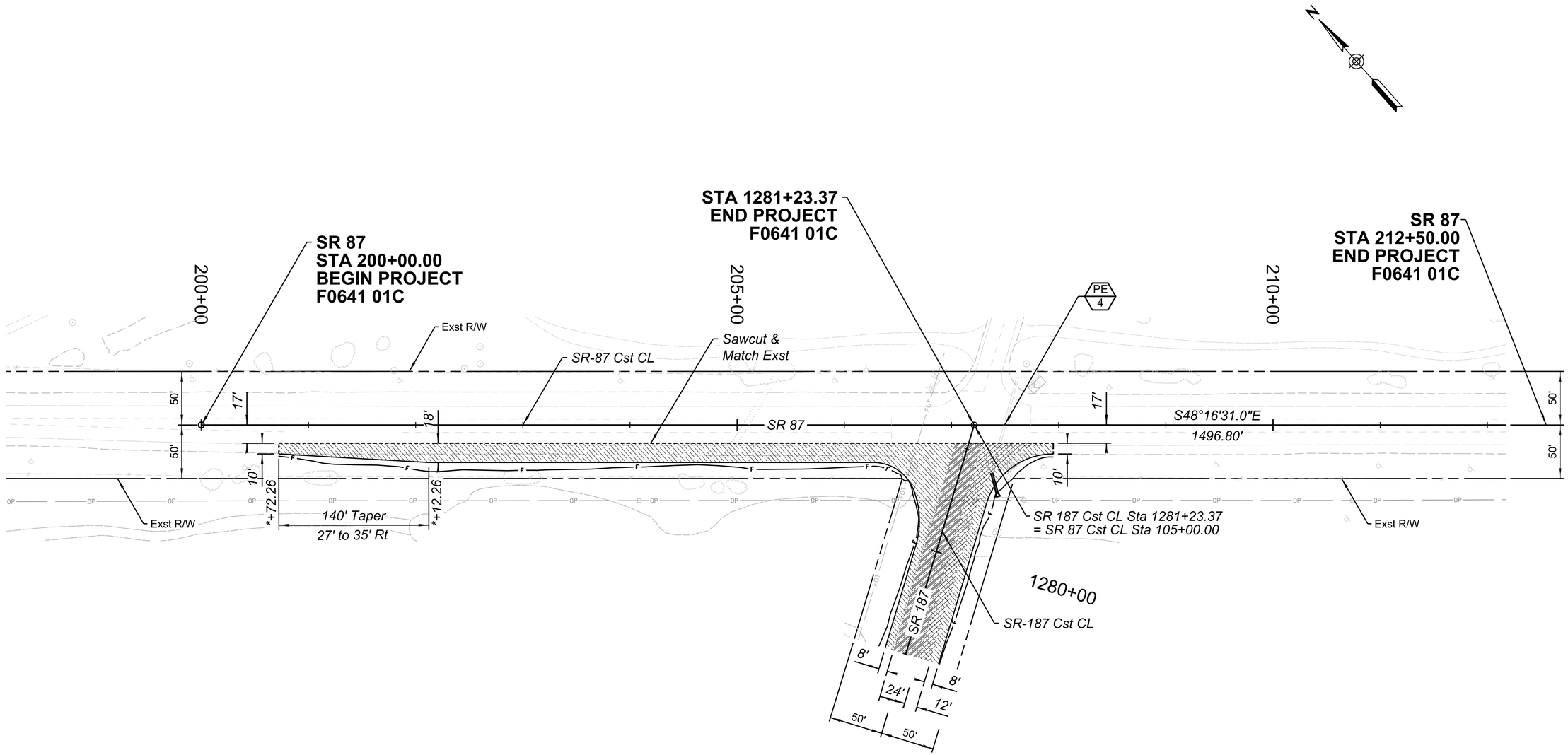
DWG NO. C-05.10

TRACS NO. F0641 01C

ADOT

____ OF ____

8:21:14 AM 6/5/2025 RJNelson c:\users\rjnelson\appdata\local\bentley\projectwise\wci_projects\d0674689\F0641_Roadway_10.dgn



LEGEND

- Pvmt Str Section No. 2
- Pvmt Str Section No. 3
- Pvmt Str Section No. 4

NOTES:

1. * Use SR 87 Cst CL Stationing.

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40884 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 87 PLAN SHEET

ROUTE: SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	187 PN 186	187-A(200)T	41	160	

LOCATION: SR 187: SR 387 TO SR 87

DWG NO. C-05.11

TRACS NO. F0641 01C

ADOT

___ OF ___

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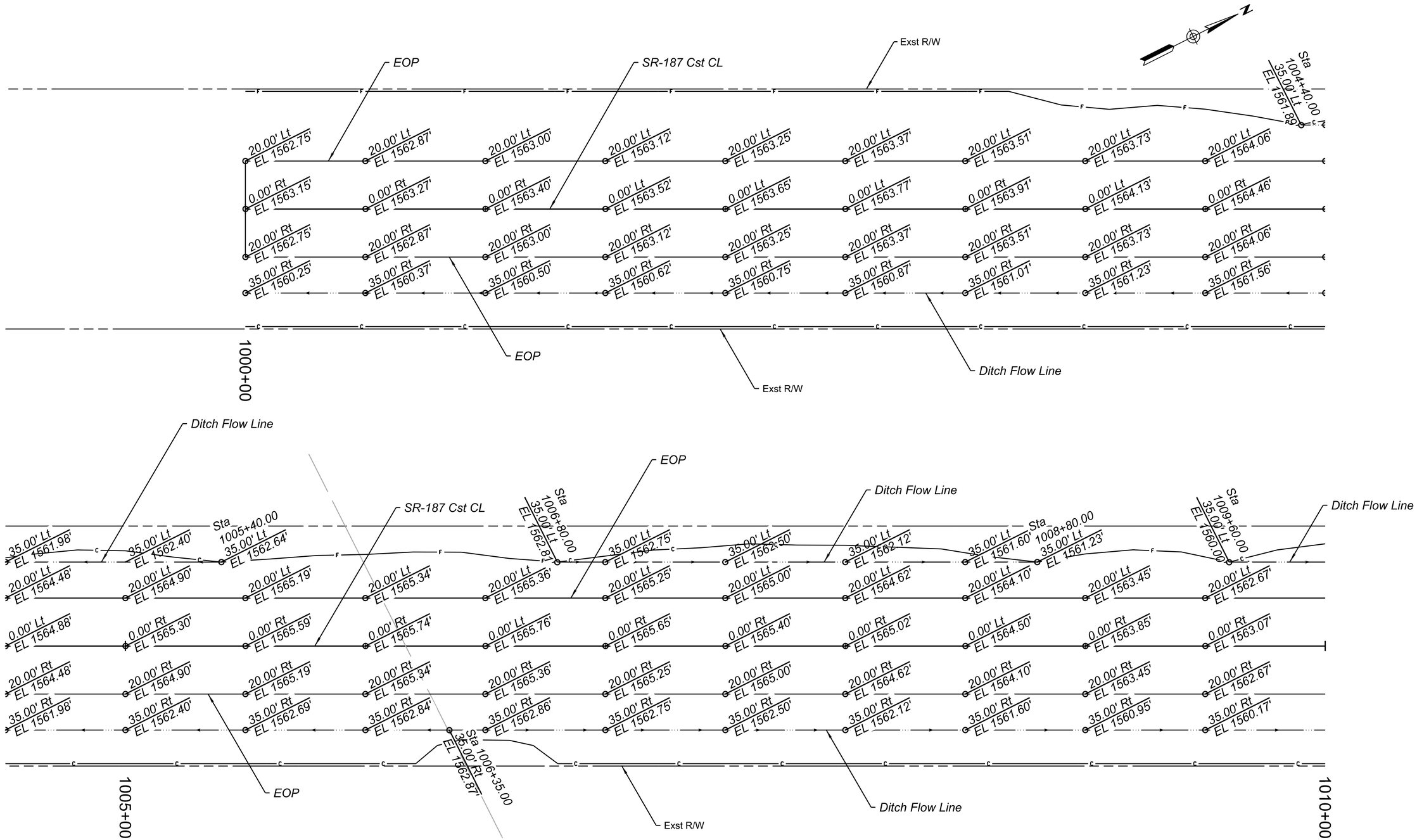

NOTES:

1. *Staking points are at 50 feet stations normal to the SR 187 Cst CL unless otherwise noted.*
2. *Elevations in ( ) indicate existing elevations.Contractor shall field verify existing elevations prior to construction.*

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40884 OWEN R. MILLS DATE SIGNED 6/5/25 ARIZONA U.S.A.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 STAKING SHEET
Sta 1000+00 to 1010+00

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187		ARIZ.	187 PN 186	187-A(200)T	42	160	
MILEPOST	LOCATION	SR 187: SR 387 TO SR 87					DWG NO. C-06.01
STRUCTURE NO.	TRACS NO. F0641 01C	ADOT					____ OF____

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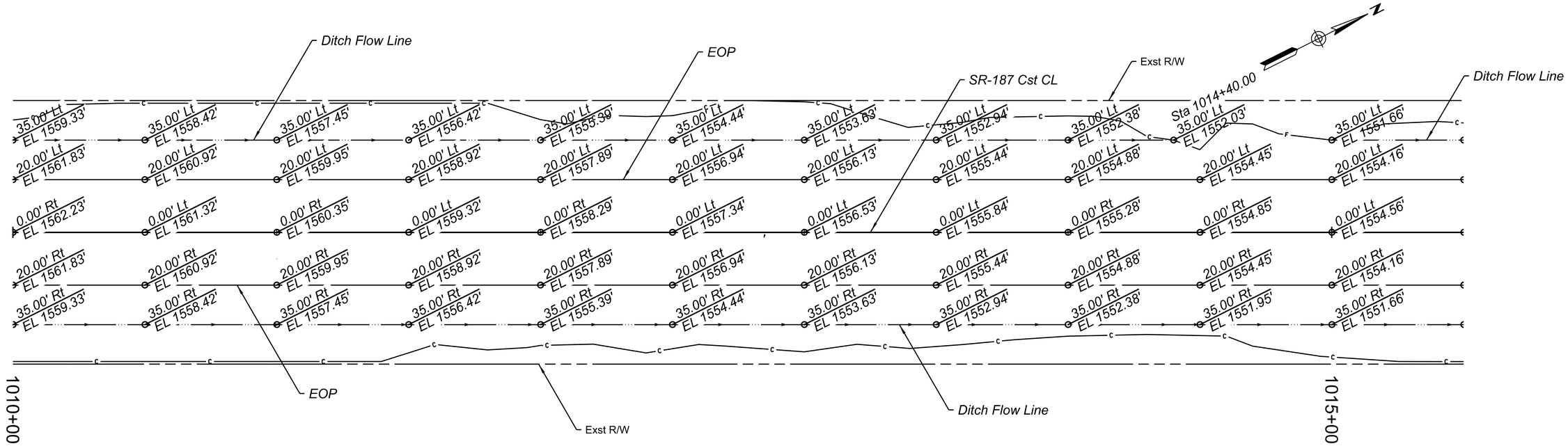

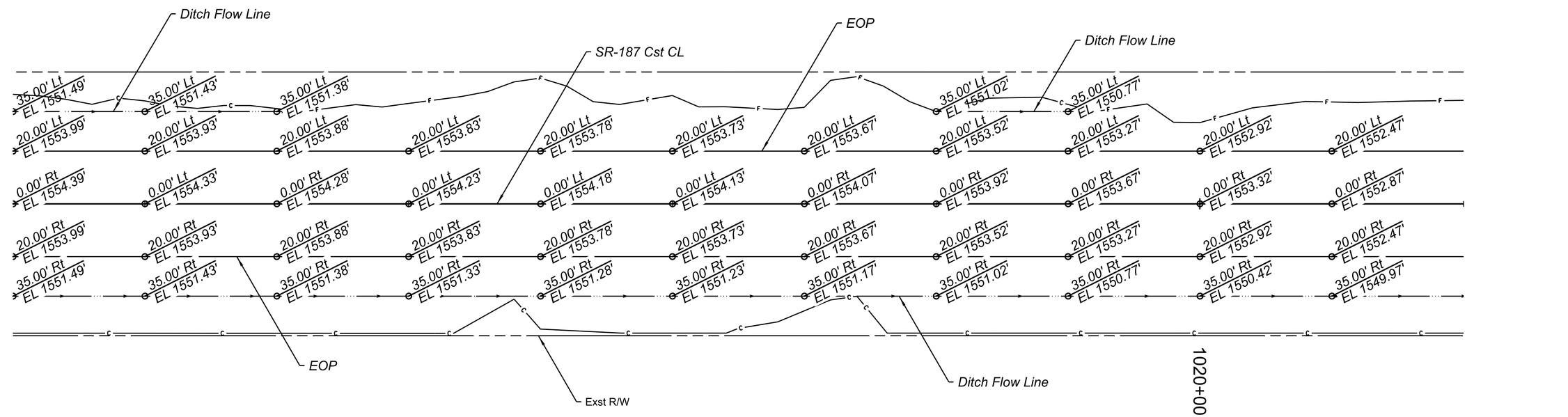

NOTES:

1. Staking points are at 50 feet stations normal to the SR 187 Cst CL unless otherwise noted.
2. Elevations in ( ) indicate existing elevations.Contractor shall field verify existing elevations prior to construction.

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 45864 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 STAKING SHEET
Sta 1010+00 to 1021+00

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187		ARIZ.	187 PN 186	187-A(200)T	43	160	
MILEPOST	LOCATION	SR 187: SR 387 TO SR 87					DWG NO. C-06.02
STRUCTURE NO.	TRACS NO. F0641 01C	ADOT					___ OF___

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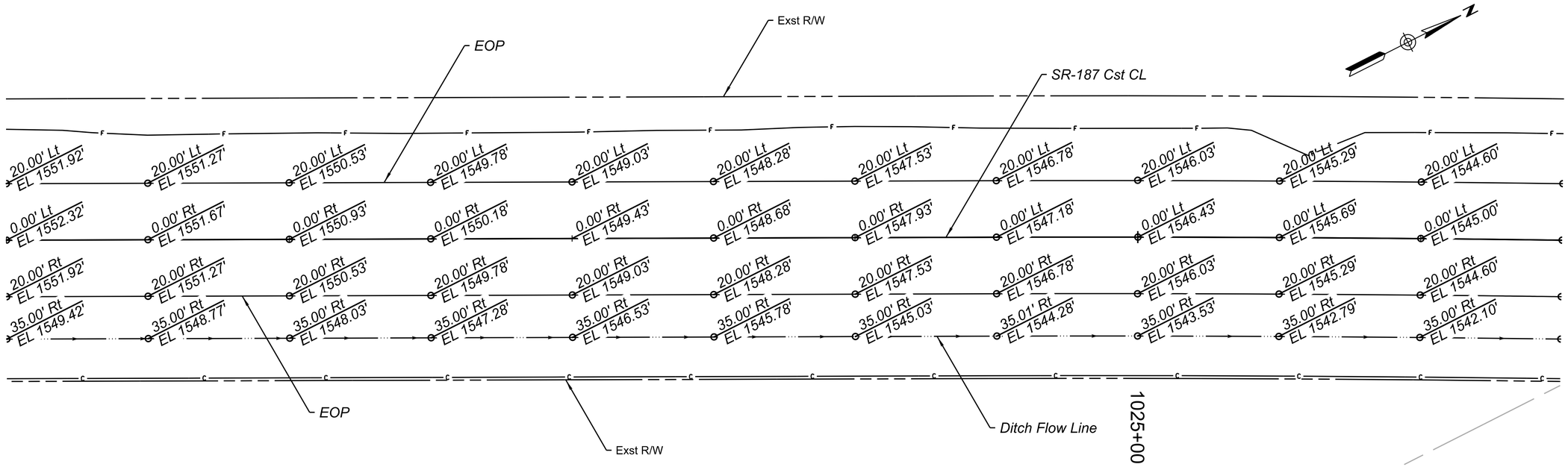
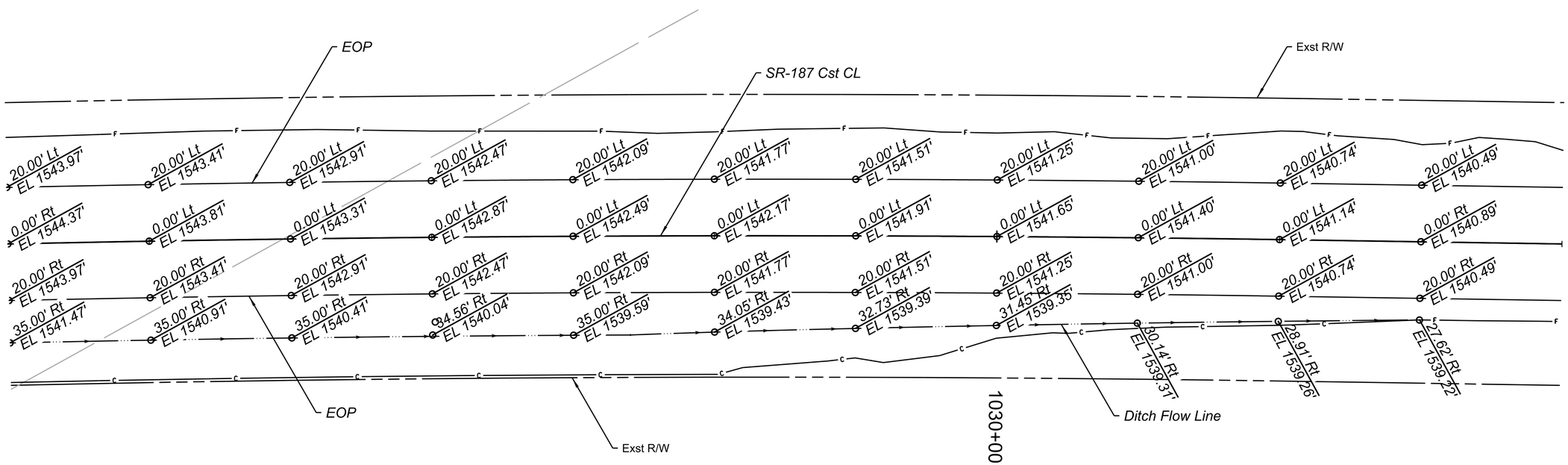




NOTES:

1. *Staking points are at 50 feet stations normal to the SR 187 Cst CL unless otherwise noted.*
2. *Elevations in ( ) indicate existing elevations.Contractor shall field verify existing elevations prior to construction.*

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 43694 OWEN R. MILLS Date Signed 6/5/25 ARIZONA U.S.A.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 STAKING SHEET
Sta 1021+00 to 1032+00

ROUTE: SR-187
MILEPOST:
STRUCTURE NO.

F.H.W.A. Arizona Division

STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	187 PN 186	187-A(200)T	44	160	

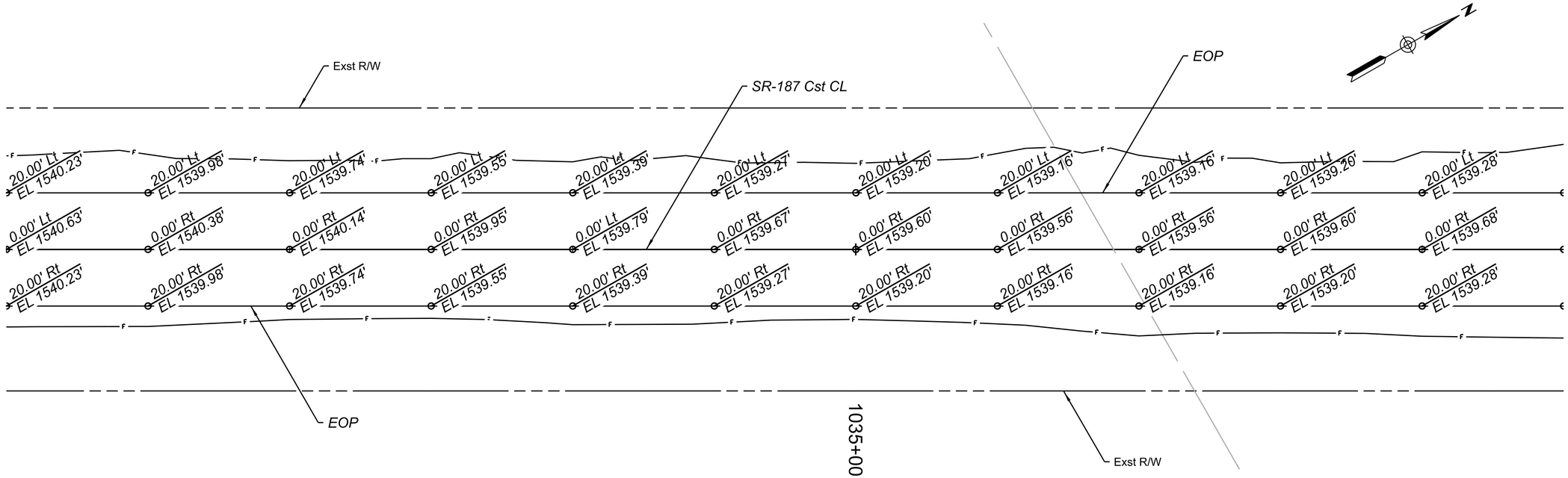
LOCATION: SR 187: SR 387 TO SR 87

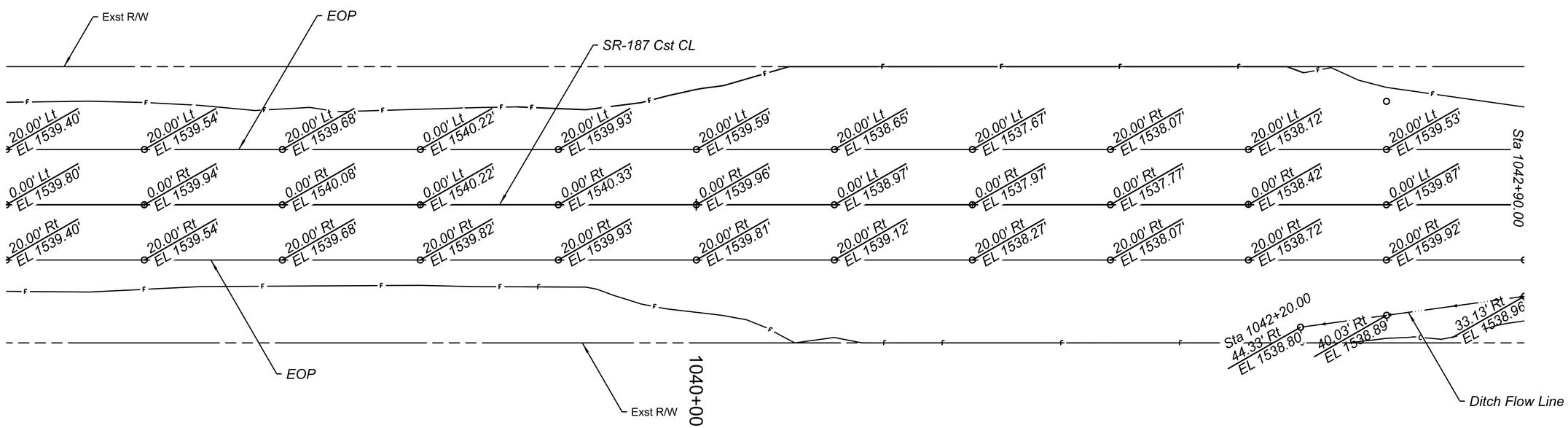
TRACS NO. F0641 01C

ADOT

DWG NO. C-06.03

____ OF____





NOTES:

1. Staking points are at 50 feet stations normal to the SR 187 Cst CL unless otherwise noted.
2. Elevations in ( ) indicate existing elevations.Contractor shall field verify existing elevations prior to construction.

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40884 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 STAKING SHEET
Sta 1032+00 to 1043+00

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187		ARIZ.	187 PN 186	187-A(200)T	45	160	
MILEPOST	LOCATION	SR 187: SR 387 TO SR 87					DWG NO. C-06.04
STRUCTURE NO.	TRACS NO. F0641 01C	ADOT					___ OF___

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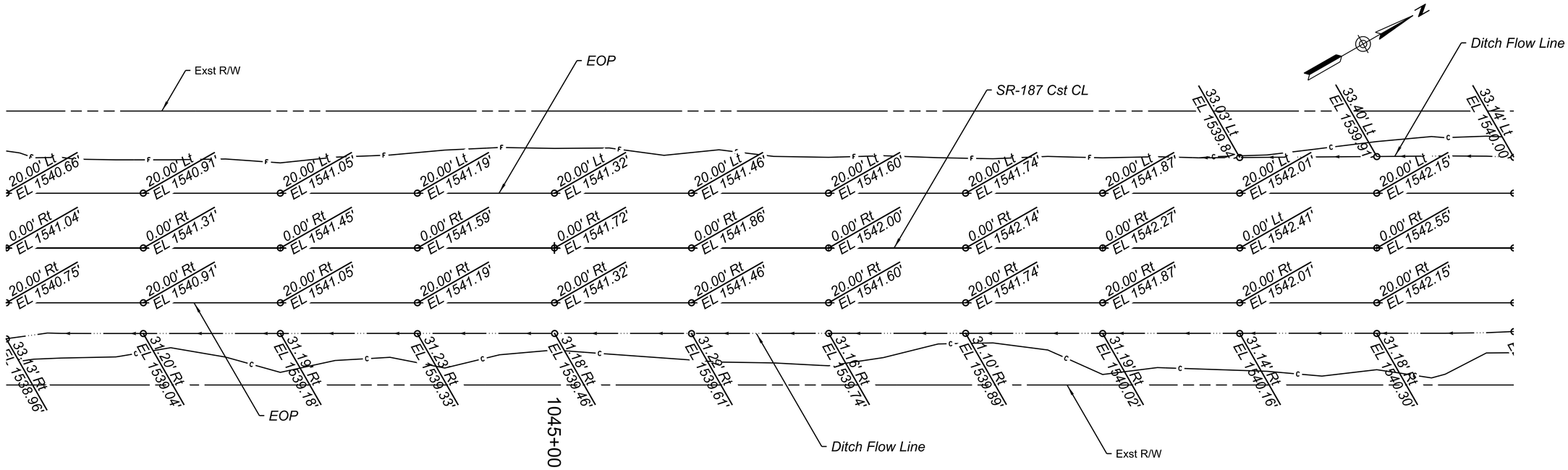

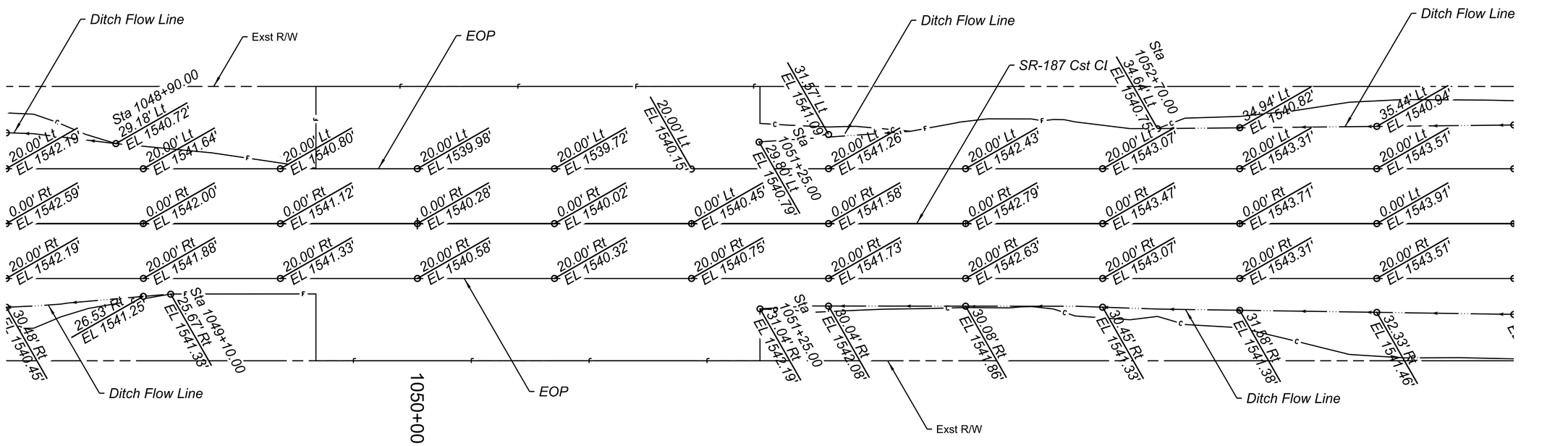

NOTES:

1. *Staking points are at 50 feet stations normal to the SR 187 Cst CL unless otherwise noted.*
2. *Elevations in ( ) indicate existing elevations.Contractor shall field verify existing elevations prior to construction.*

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40894 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 STAKING SHEET
Sta 1043+00 to 1054+00

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187		ARIZ.	187 PN 186	187-A(200)T	46	160	
MILEPOST	LOCATION	SR 187: SR 387 TO SR 87					DWG NO. C-06.05
STRUCTURE NO.	TRACS NO. F0641 01C	ADOT					___ OF___

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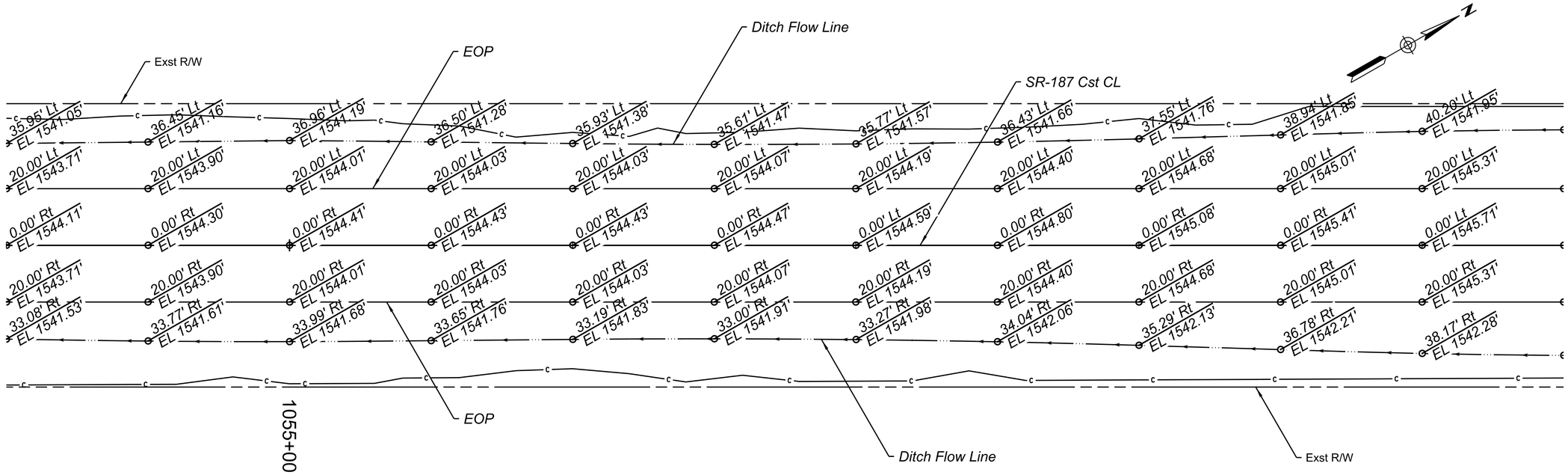

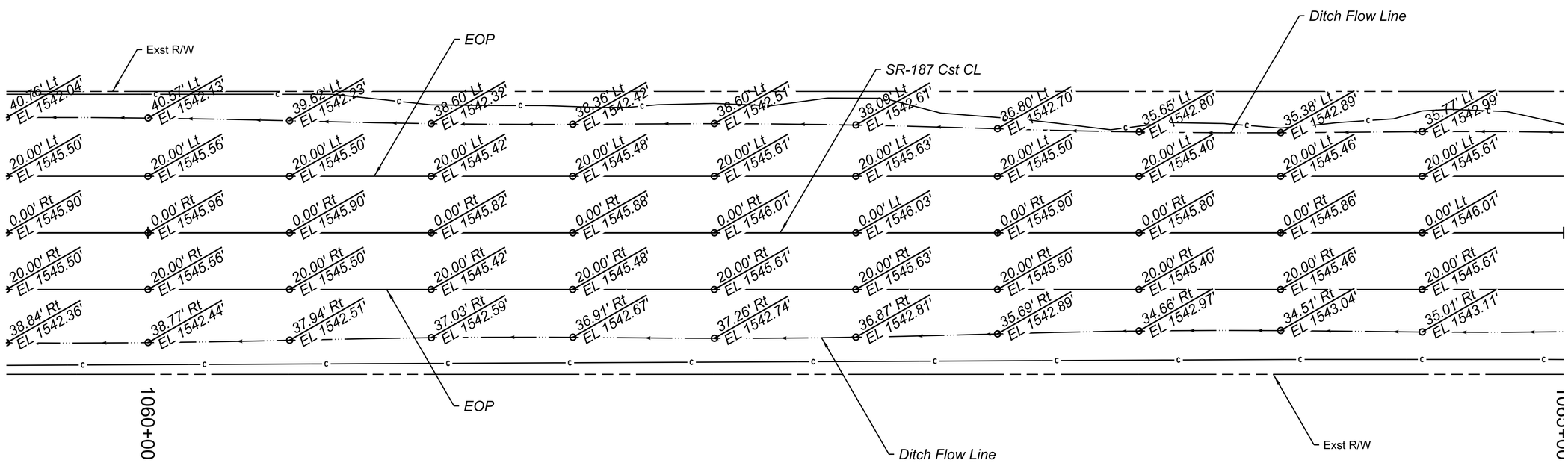

NOTES:

1. *Staking points are at 50 feet stations normal to the SR 187 Cst CL unless otherwise noted.*
2. *Elevations in ( ) indicate existing elevations.Contractor shall field verify existing elevations prior to construction.*

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40864 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 STAKING SHEET
Sta 1054+00 to 1065+00

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187		ARIZ.	187 PN 186	187-A(200)T	47	160	
MILEPOST	LOCATION	SR 187: SR 387 TO SR 87					DWG NO. C-06.06
STRUCTURE NO.	TRACS NO. F0641 01C	ADOT					____ OF____

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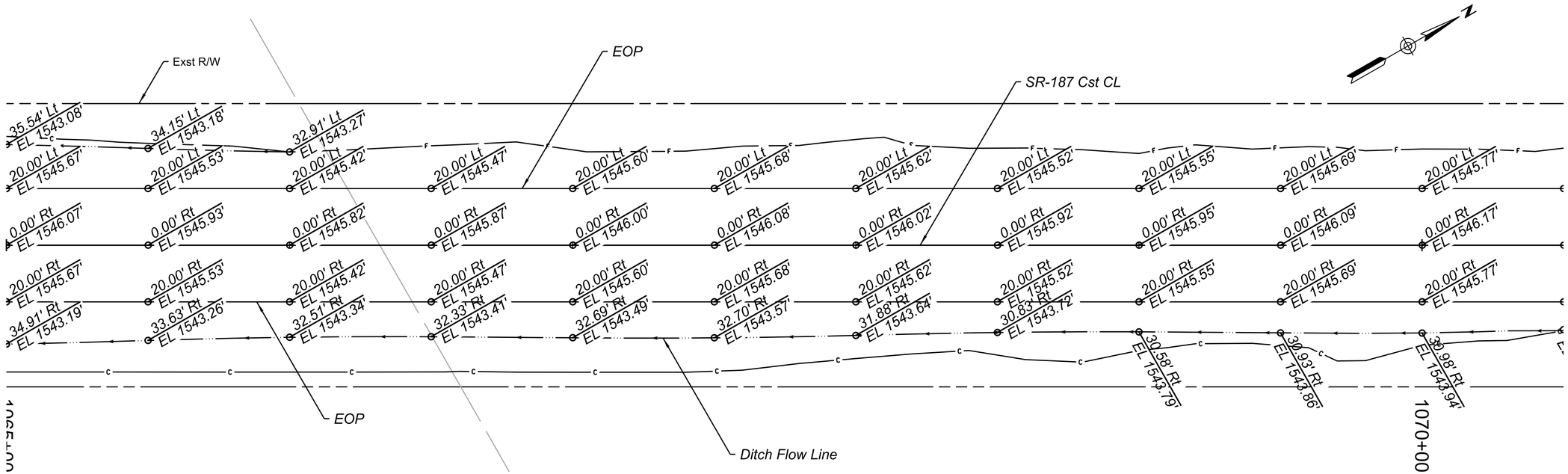

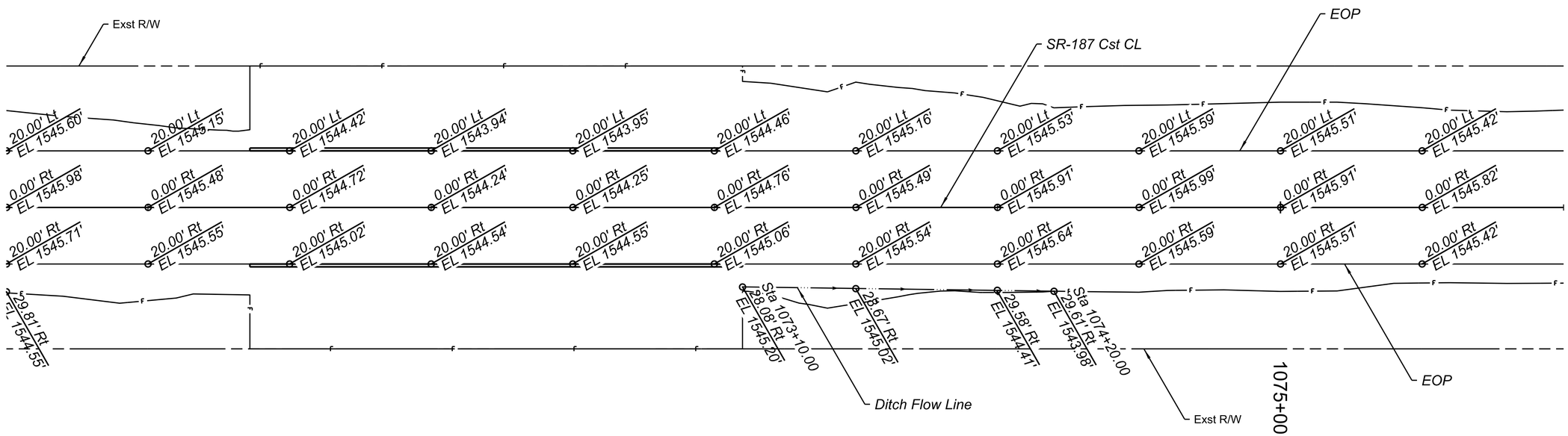

NOTES:

1. *Staking points are at 50 feet stations normal to the SR 187 Cst CL unless otherwise noted.*
2. *Elevations in ( ) indicate existing elevations.Contractor shall field verify existing elevations prior to construction.*

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40884 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 STAKING SHEET
Sta 1065+00 to 1076+00

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	187 PN 186	187-A(200)T	48	160	

LOCATION SR 187: SR 387 TO SR 87

TRACS NO. F0641 01C

ADOT

DWG NO. C-06.07

___ OF___

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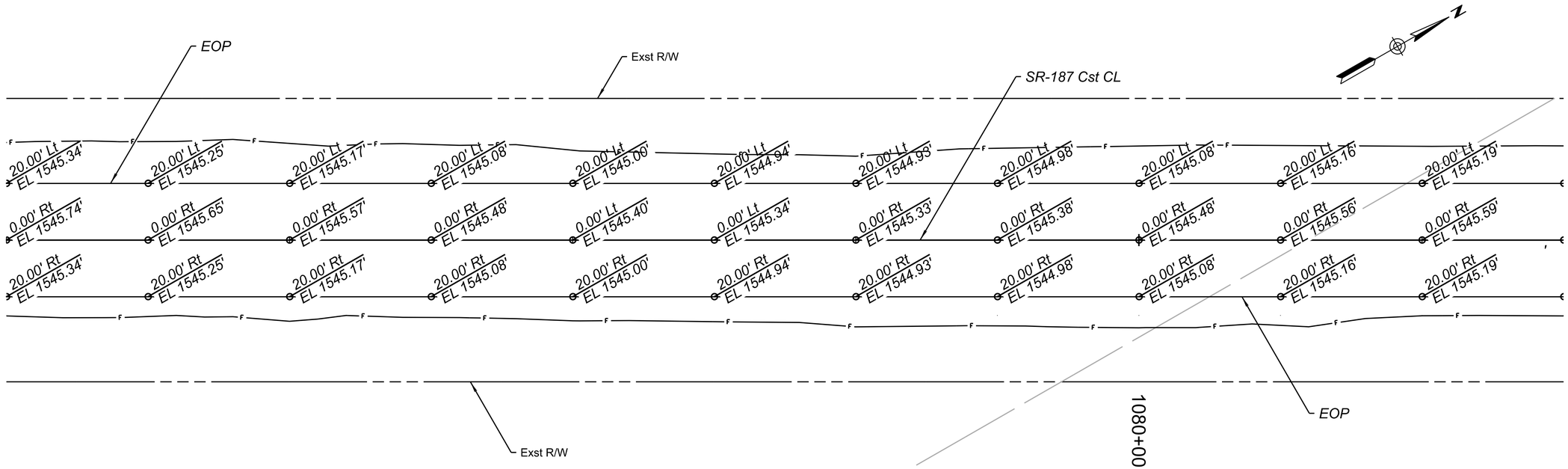

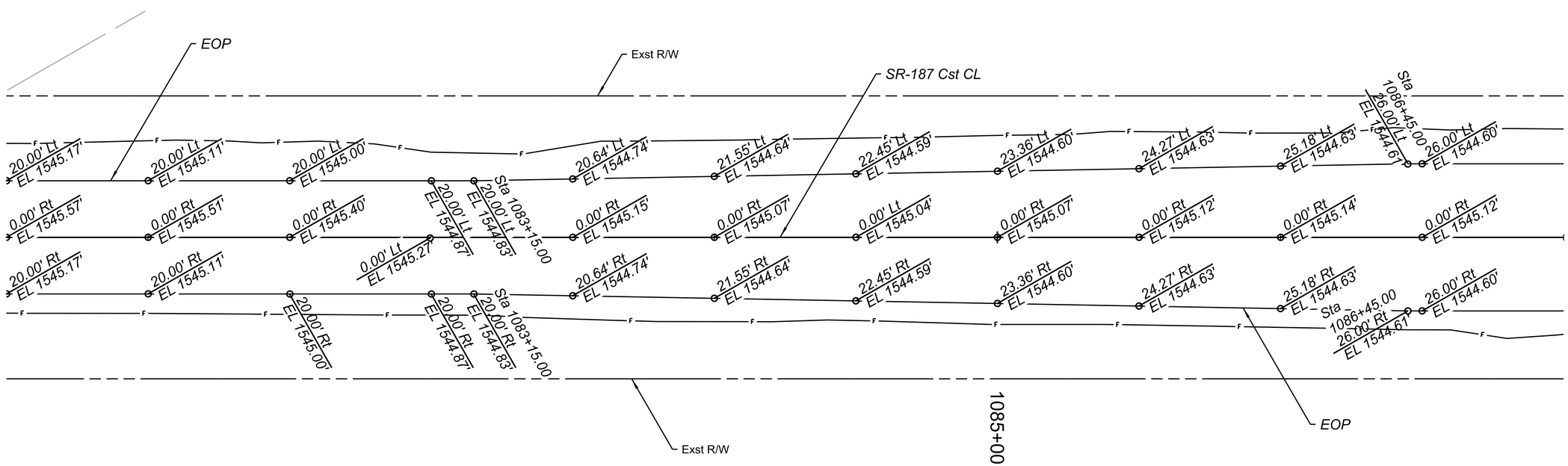

NOTES:

1. *Staking points are at 50 feet stations normal to the SR 187 Cst CL unless otherwise noted.*
2. *Elevations in ( ) indicate existing elevations.Contractor shall field verify existing elevations prior to construction.*

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 33694 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 STAKING SHEET
Sta 1076+00 to 1087+00

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187		ARIZ.	187 PN 186	187-A(200)T	49	160	
MILEPOST	LOCATION	SR 187: SR 387 TO SR 87					DWG NO. C-06.08
STRUCTURE NO.	TRACS NO. F0641 01C	ADOT					____ OF____

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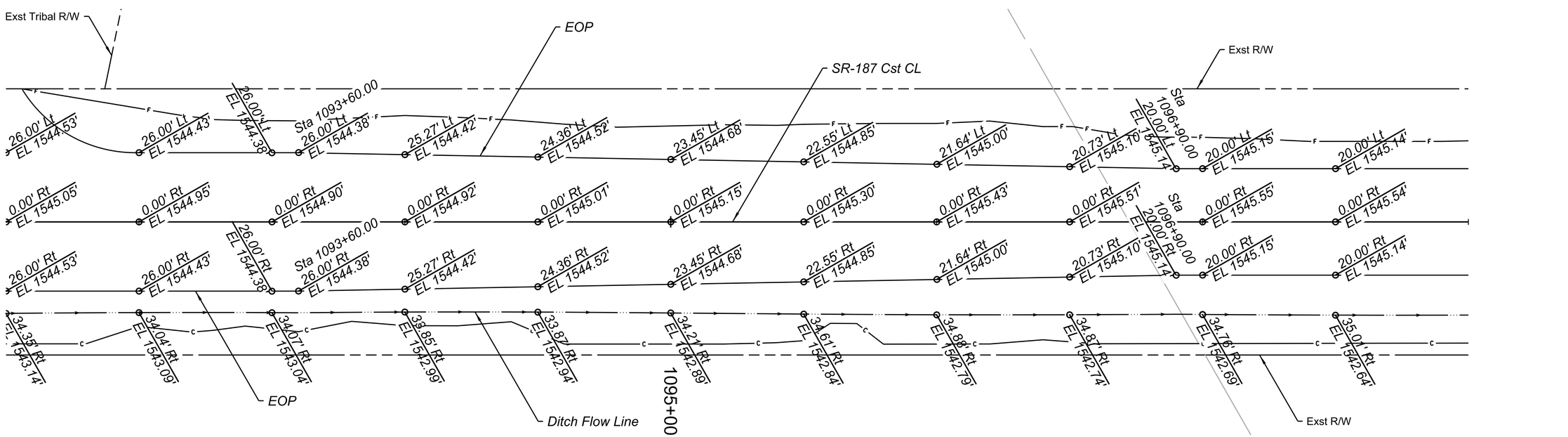


NOTES:

1. *Staking points are at 50 feet stations normal to the SR 187 Cst CL unless otherwise noted.*
2. *Elevations in ( ) indicate existing elevations.Contractor shall field verify existing elevations prior to construction.*

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40984 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 STAKING SHEET
Sta 1087+00 to 1098+00

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division

STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	187 PN 186	187-A(200)T	50	160	

LOCATION SR 187: SR 387 TO SR 87

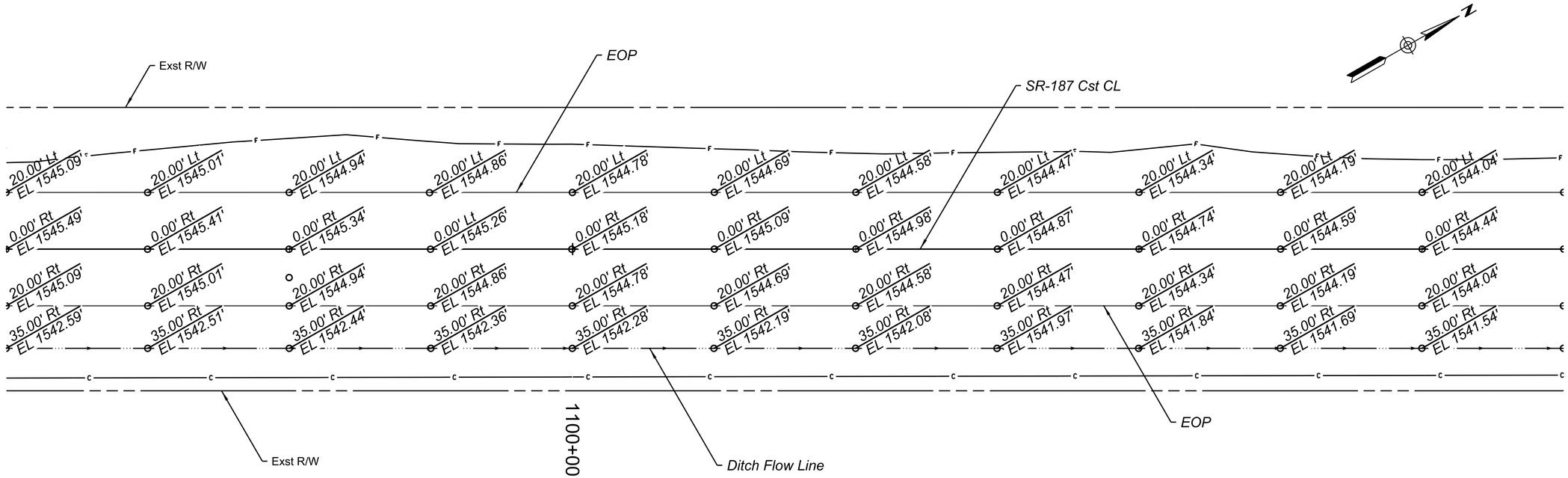
TRACS NO. F0641 01C

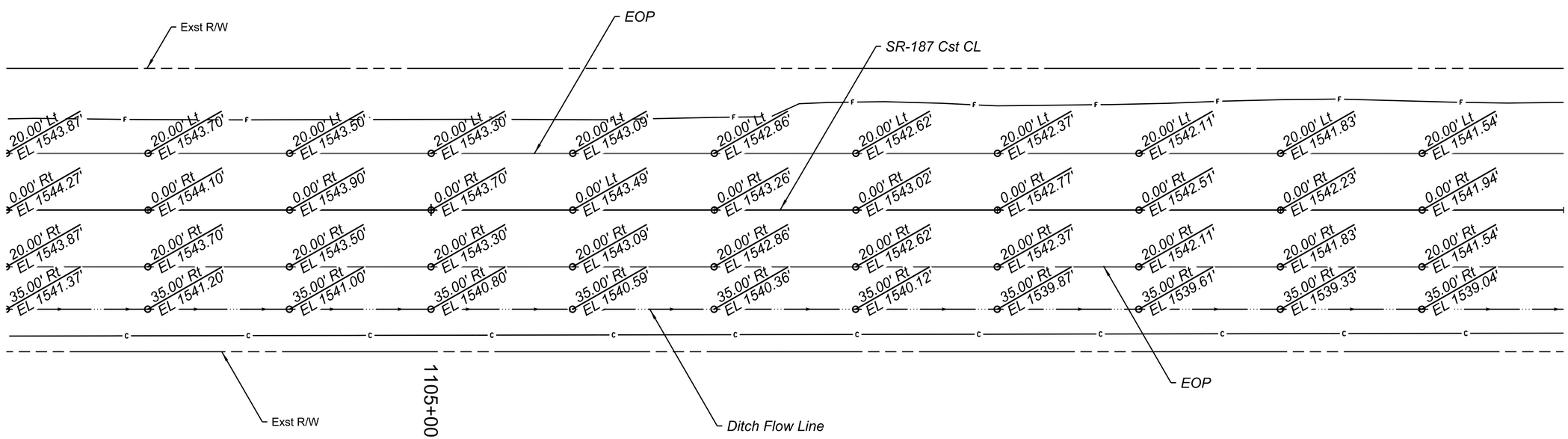
ADOT

DWG NO. C-06.09

____ OF____

8:27:02 AM 6/5/2025 RJNelson c:\users\rjnelson\appdata\local\bentley\projectwise\wci_projects\d0679249\F0641_Staking_09.dgn





NOTES:

1. *Staking points are at 50 feet stations normal to the SR 187 Cst CL unless otherwise noted.*
2. *Elevations in ( ) indicate existing elevations.Contractor shall field verify existing elevations prior to construction.*

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40884 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

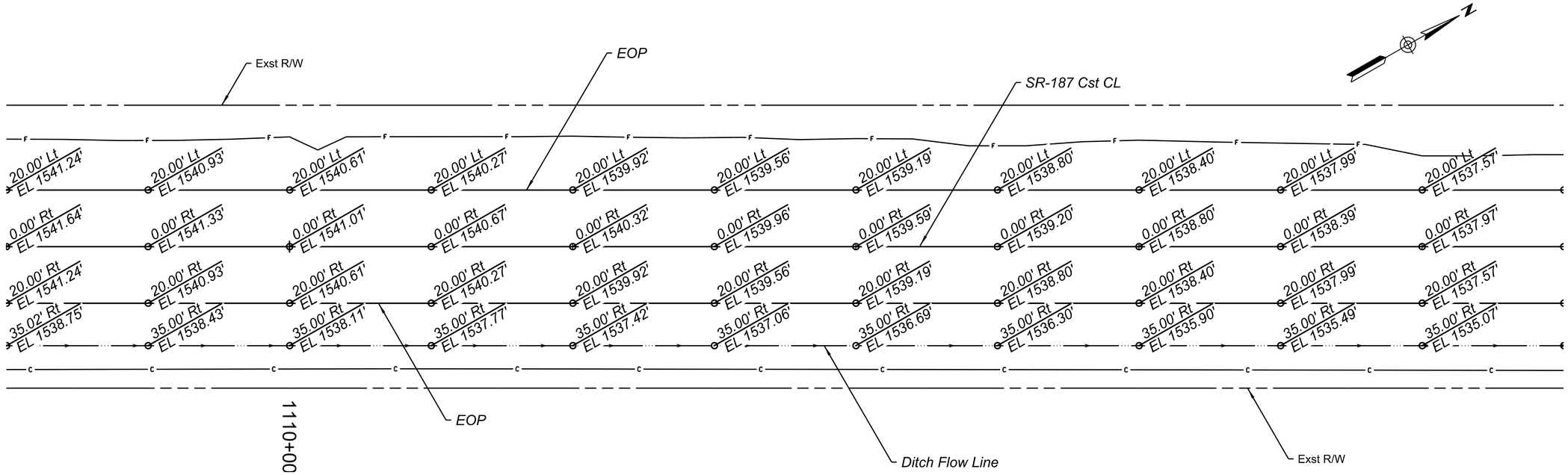
WILSON & COMPANY

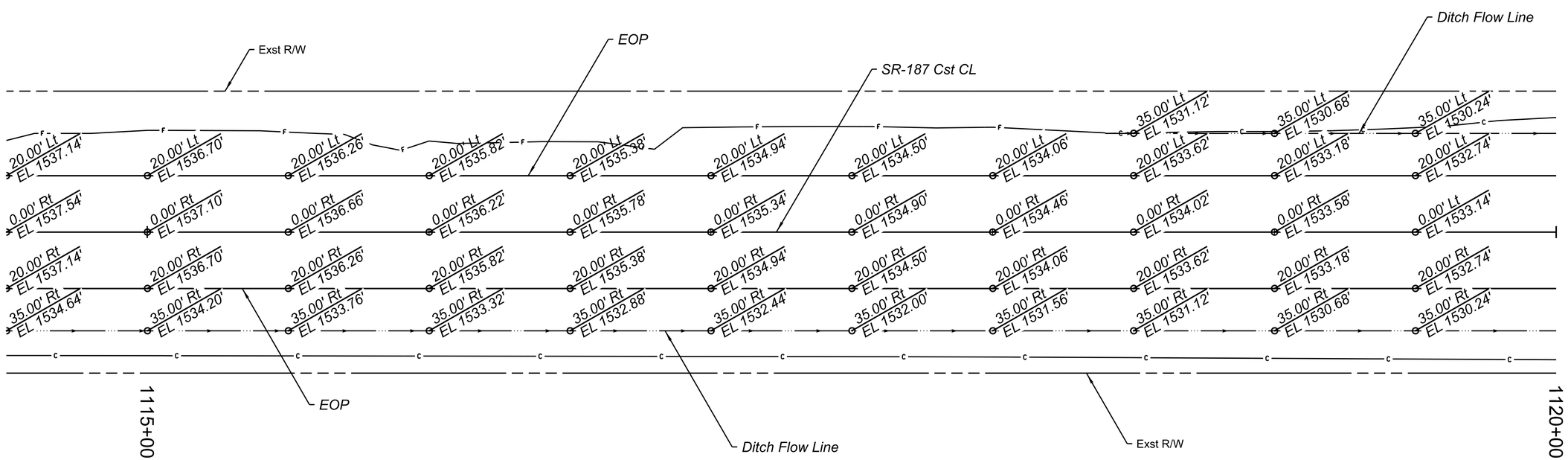
ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 STAKING SHEET
Sta 1098+00 to 1109+00

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187		ARIZ.	187 PN 186	187-A(200)T	51	160	
MILEPOST	LOCATION	SR 187: SR 387 TO SR 87					DWG NO. C-06.10
STRUCTURE NO.	TRACS NO. F0641 01C	ADOT					___ OF___

8:27:16 AM 6/5/2025 RJNelson c:\users\rjnelson\appdata\local\bentley\projectwise\wci_projects\d0679249\F0641_Staking_10.dgn





NOTES:

1. *Staking points are at 50 feet stations normal to the SR 187 Cst CL unless otherwise noted.*
2. *Elevations in ( ) indicate existing elevations.Contractor shall field verify existing elevations prior to construction.*

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40894 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

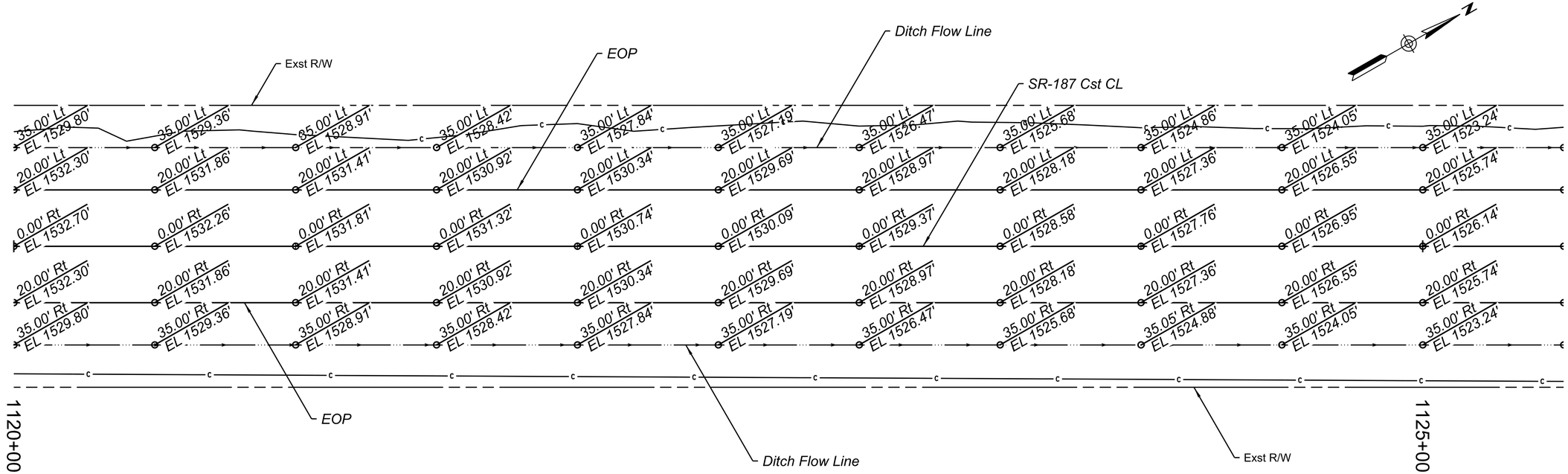
	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

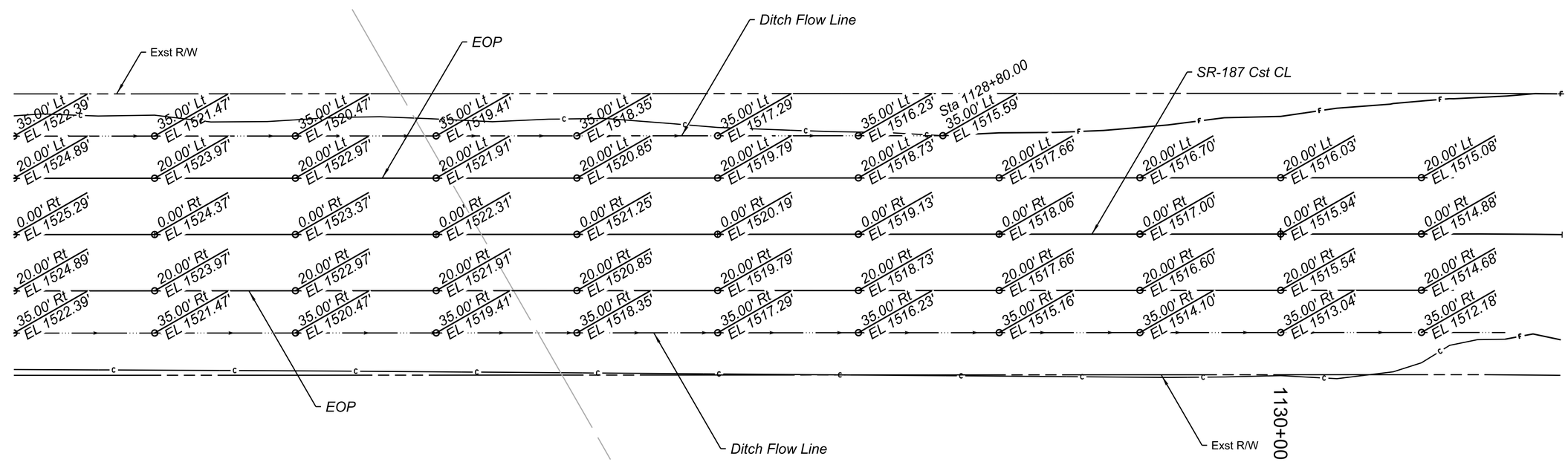
WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 STAKING SHEET
Sta 1109+00 to 1120+00

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187		ARIZ.	187 PN 186	187-A(200)T	52	160	
MILEPOST	LOCATION	SR 187: SR 387 TO SR 87					DWG NO. C-06.11
STRUCTURE NO.	TRACS NO. F0641 01C	ADOT					___ OF___





NOTES:

1. *Staking points are at 50 feet stations normal to the SR 187 Cst CL unless otherwise noted.*
2. *Elevations in ( ) indicate existing elevations.Contractor shall field verify existing elevations prior to construction.*

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40884 OWEN R. MILLS Date Signed 6/5/25 ARIZONA U.S.A.

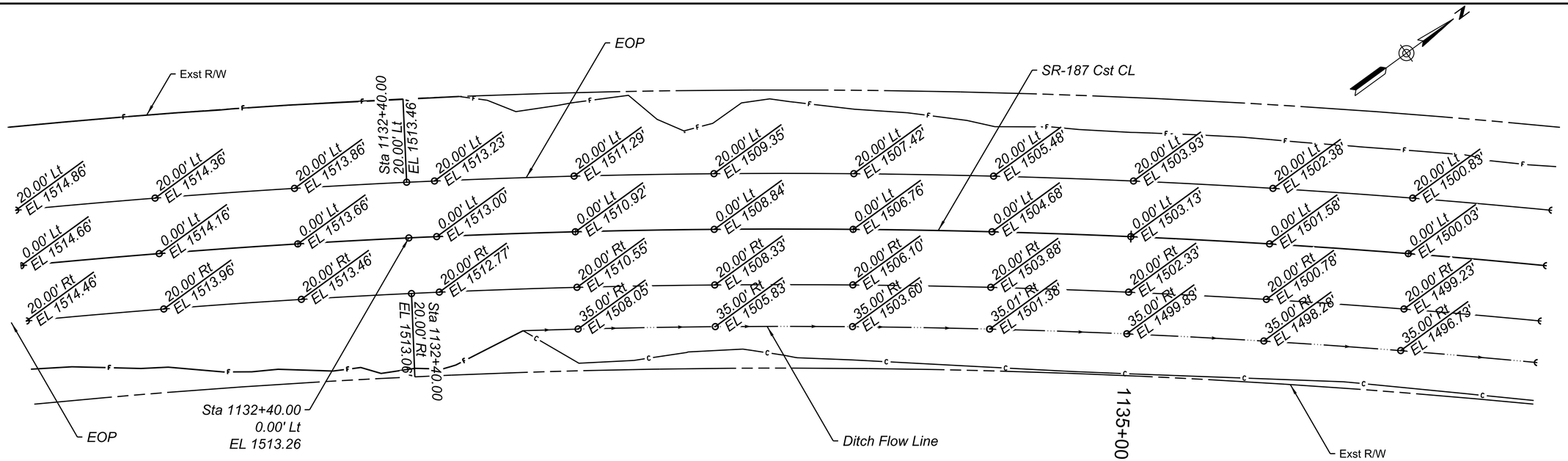
	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

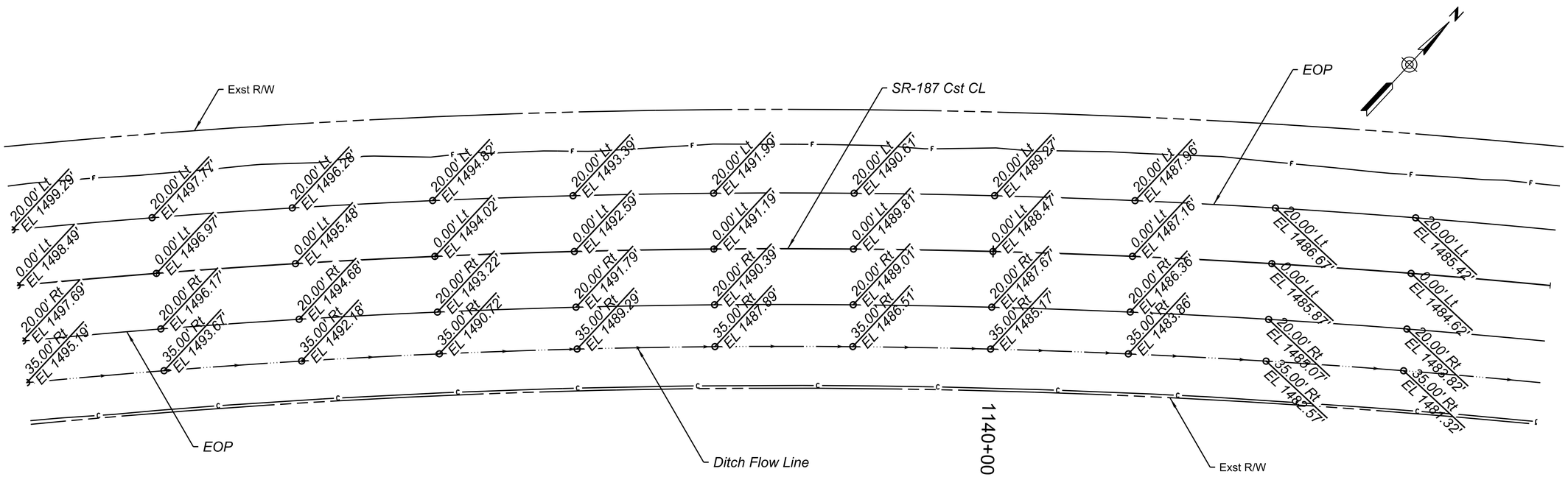
WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 STAKING SHEET
Sta 1120+00 to 1131+00

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187		ARIZ.	187 PN 186	187-A(200)T	53	160	
MILEPOST	LOCATION	SR 187: SR 387 TO SR 87				DWG NO. C-06.12	
STRUCTURE NO.	TRACS NO. F0641 01C	ADOT				____ OF____	





NOTES:

1. Staking points are at 50 feet stations normal to the SR 187 Cst CL unless otherwise noted.
2. Elevations in ( ) indicate existing elevations.Contractor shall field verify existing elevations prior to construction.

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40884 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 STAKING SHEET
Sta 1131+00 to 1142+00

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187		ARIZ.	187 PN 186	187-A(200)T	54	160	
MILEPOST	LOCATION	SR 187: SR 387 TO SR 87					DWG NO. C-06.13
STRUCTURE NO.	TRACS NO. F0641 01C		ADOT				___ OF___

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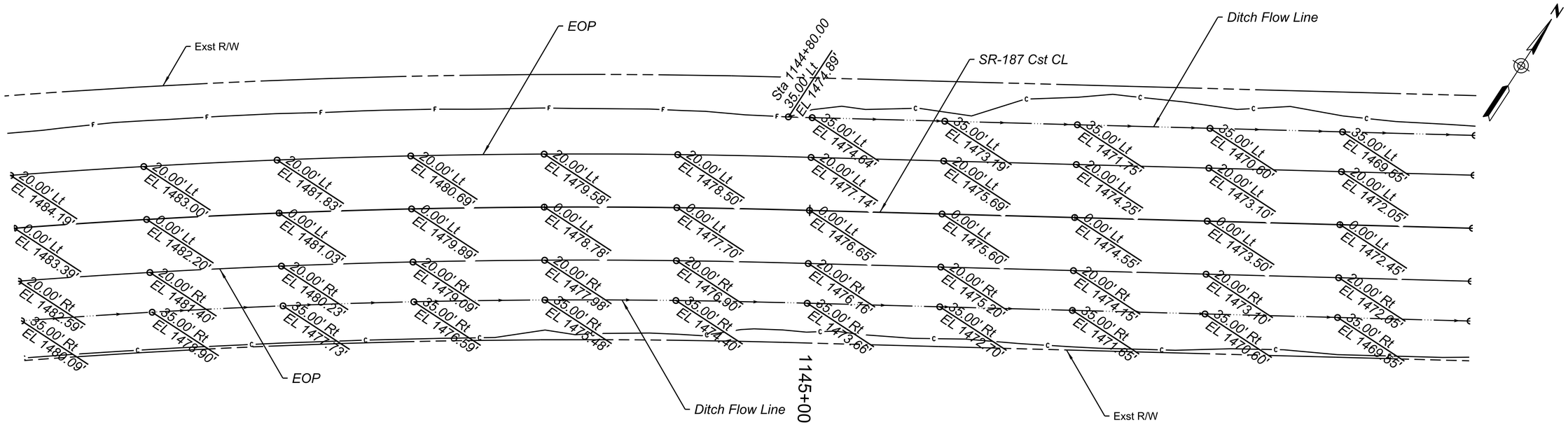

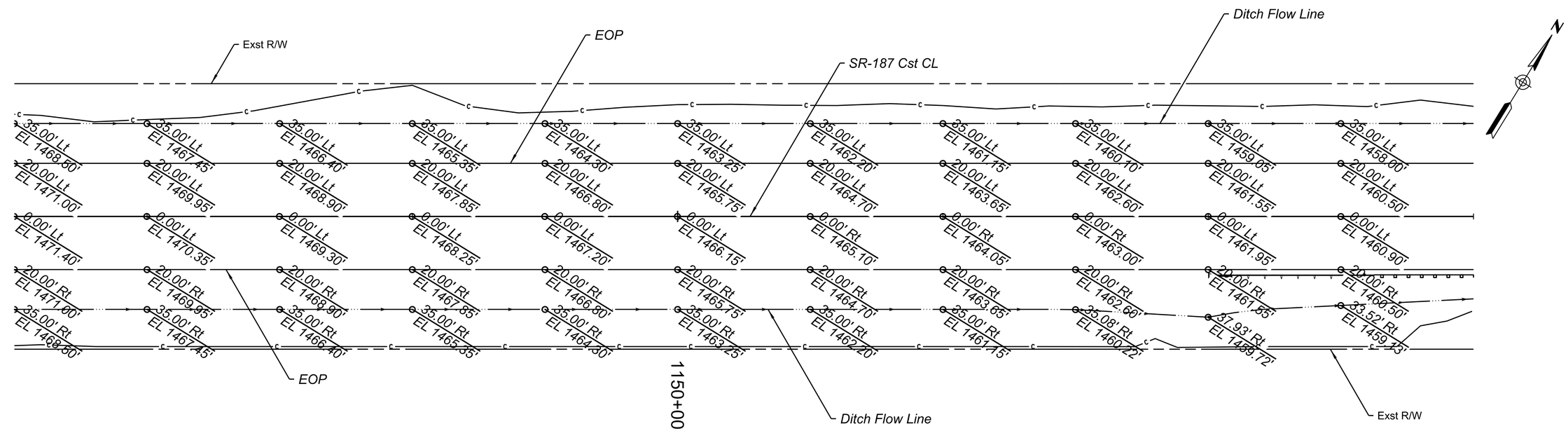

NOTES:

1. *Staking points are at 50 feet stations normal to the SR 187 Cst CL unless otherwise noted.*
2. *Elevations in ( ) indicate existing elevations.Contractor shall field verify existing elevations prior to construction.*

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40864 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 STAKING SHEET
Sta 1142+00 to 1153+00

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187		ARIZ.	187 PN 186	187-A(200)T	55	160	
MILEPOST	LOCATION	SR 187: SR 387 TO SR 87					DWG NO. C-06.14
STRUCTURE NO.	TRACS NO. F0641 01C	ADOT					___ OF___

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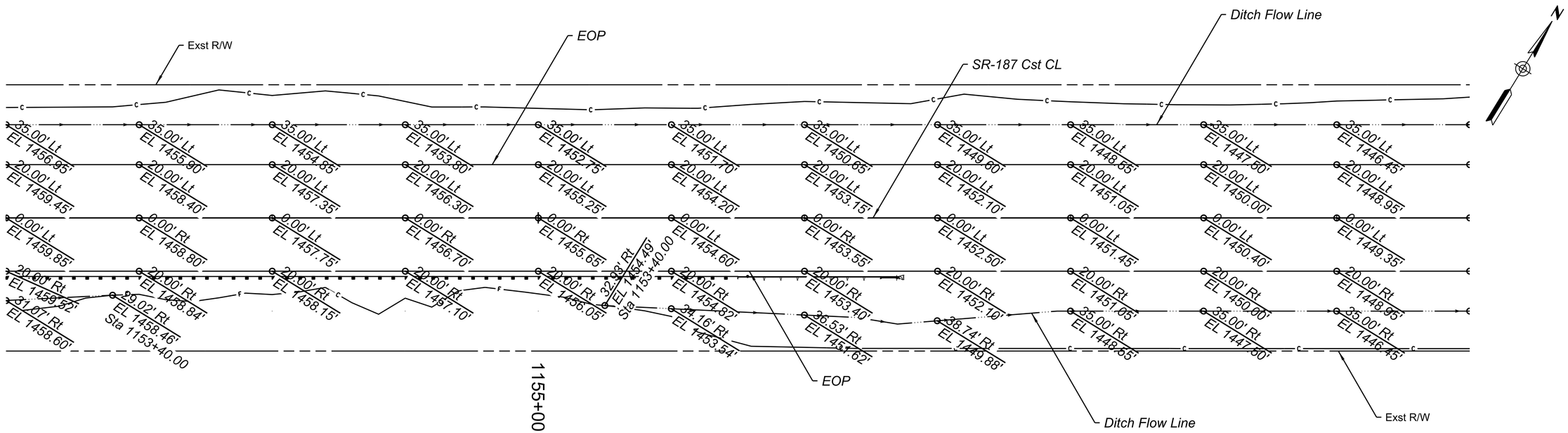

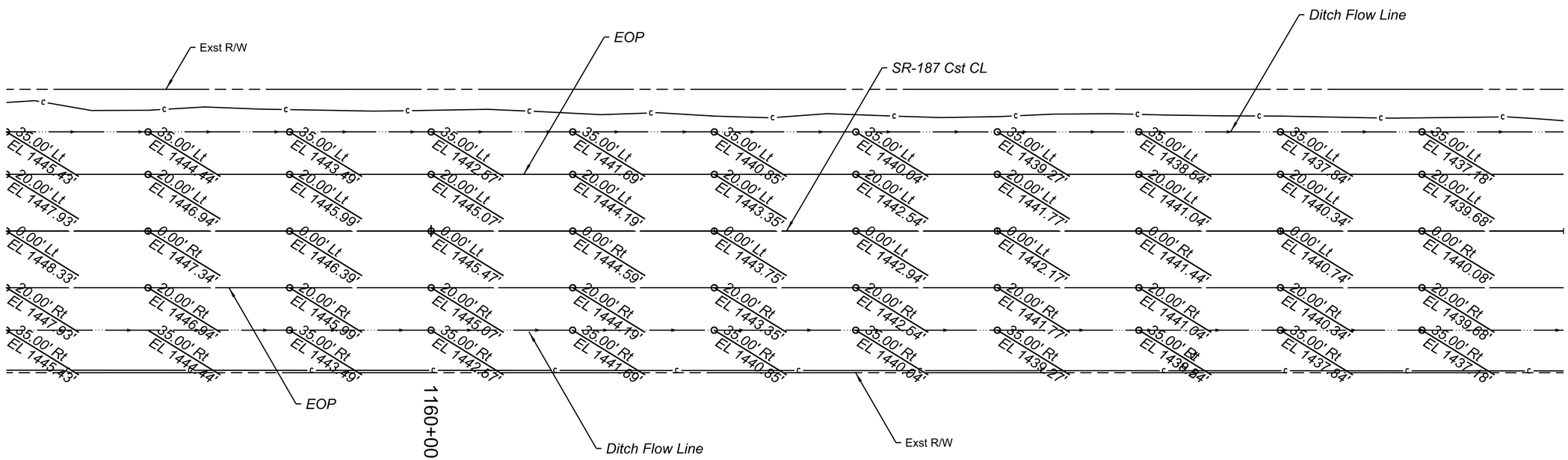

NOTES:

1. *Staking points are at 50 feet stations normal to the SR 187 Cst CL unless otherwise noted.*
2. *Elevations in ( ) indicate existing elevations.Contractor shall field verify existing elevations prior to construction.*

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40864 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 STAKING SHEET
Sta 1153+00 to 1164+00

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187		ARIZ.	187 PN 186	187-A(200)T	56	160	
MILEPOST	LOCATION	SR 187: SR 387 TO SR 87					DWG NO. C-06.15
STRUCTURE NO.	TRACS NO. F0641 01C	ADOT					___ OF___

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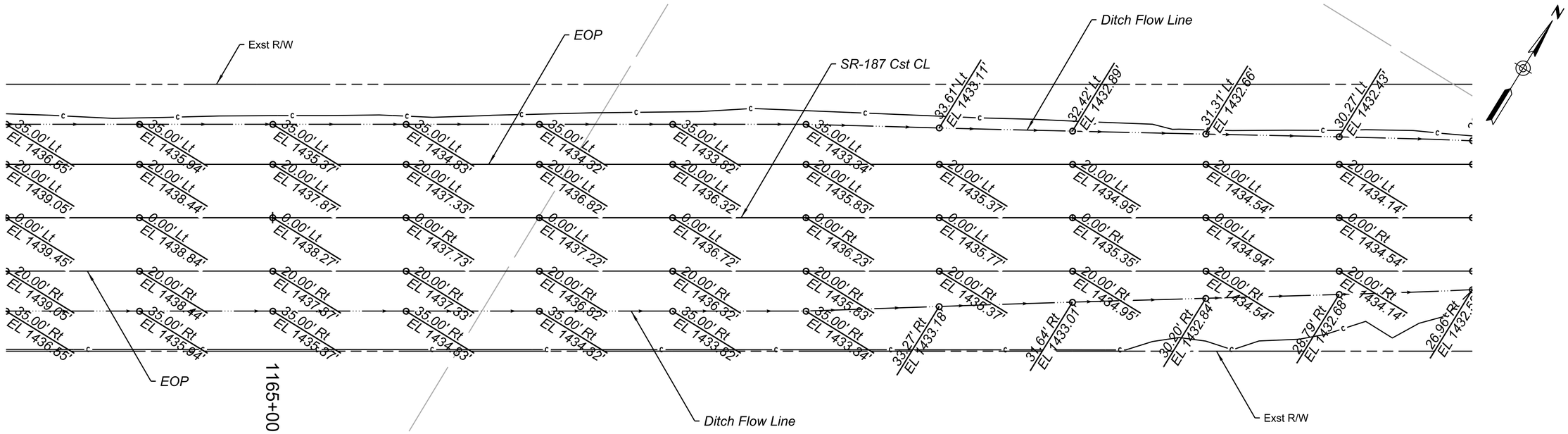

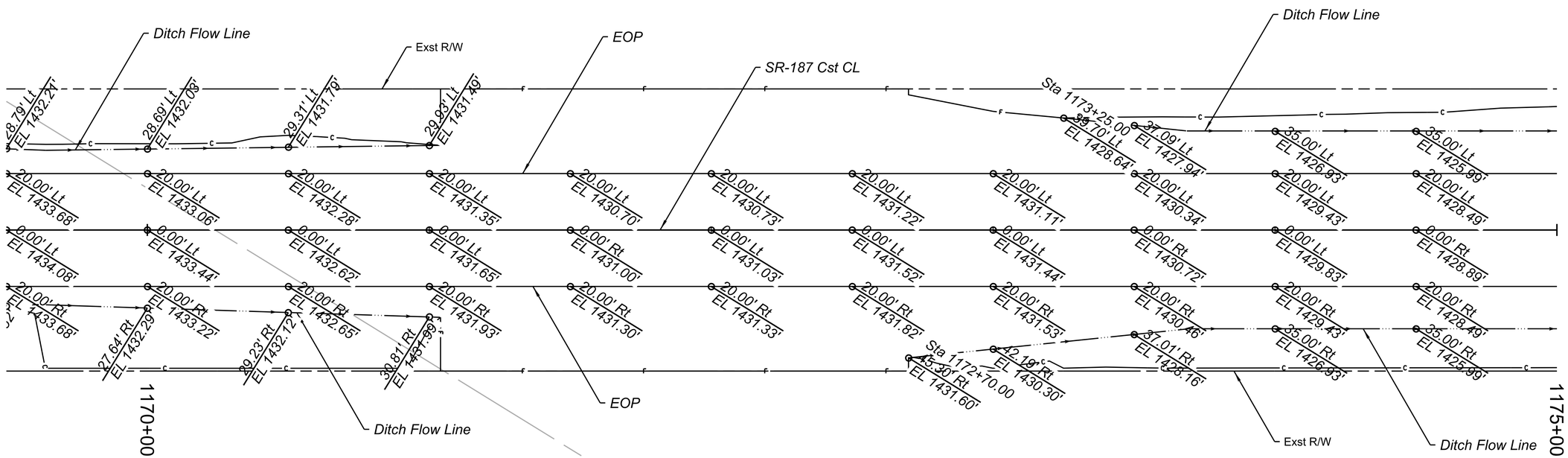

NOTES:

1. *Staking points are at 50 feet stations normal to the SR 187 Cst CL unless otherwise noted.*
2. *Elevations in ( ) indicate existing elevations.Contractor shall field verify existing elevations prior to construction.*

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40864 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 STAKING SHEET
Sta 1164+00 to 1175+00

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187		ARIZ.	187 PN 186	187-A(200)T	57	160	
MILEPOST	LOCATION	SR 187: SR 387 TO SR 87					DWG NO. C-06.16
STRUCTURE NO.	TRACS NO. F0641 01C	ADOT					___ OF___

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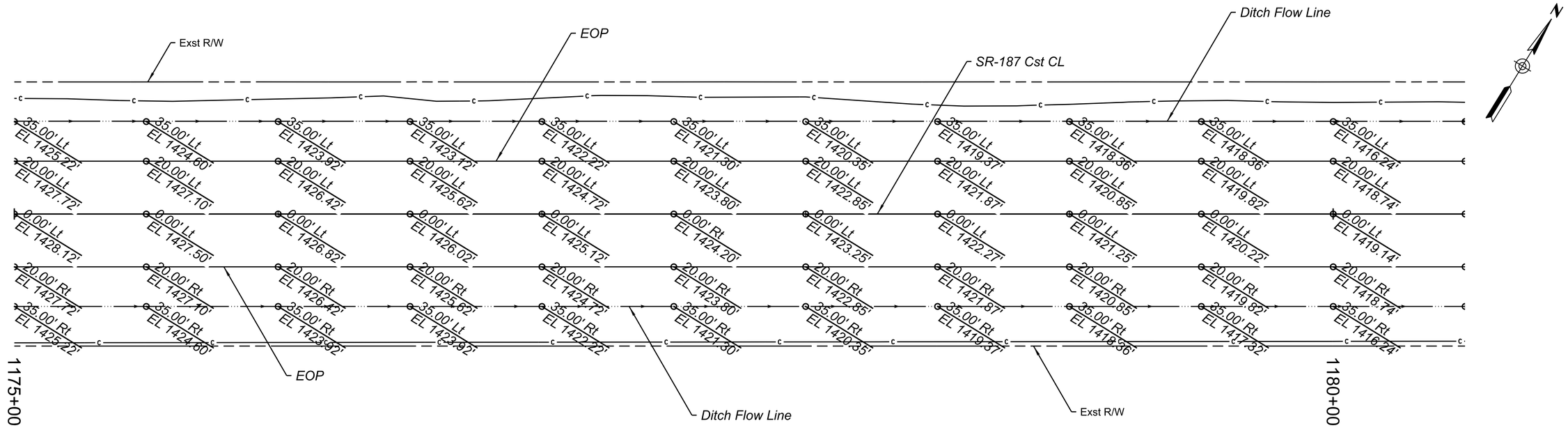

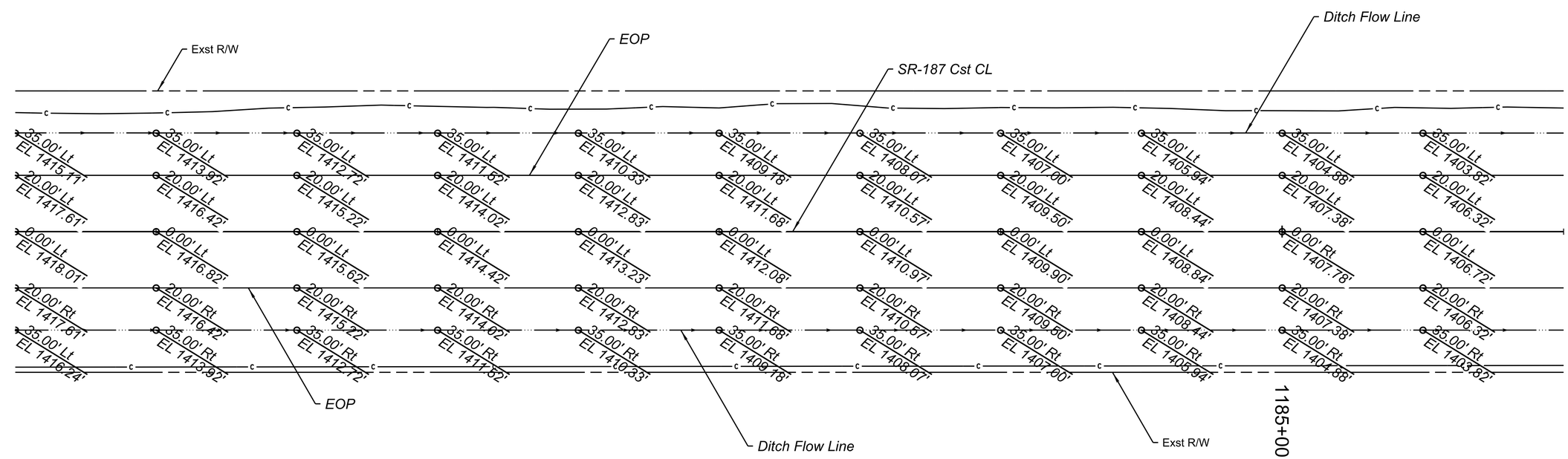

NOTES:

1. *Staking points are at 50 feet stations normal to the SR 187 Cst CL unless otherwise noted.*
2. *Elevations in ( ) indicate existing elevations.Contractor shall field verify existing elevations prior to construction.*

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40864 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON &COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 STAKING SHEET
Sta 1175+00 to 1186+00

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187		ARIZ.	187 PN 186	187-A(200)T	58	160	
MILEPOST	LOCATION	SR 187: SR 387 TO SR 87					DWG NO. C-06.17
STRUCTURE NO.	TRACS NO. F0641 01C	ADOT					___ OF___

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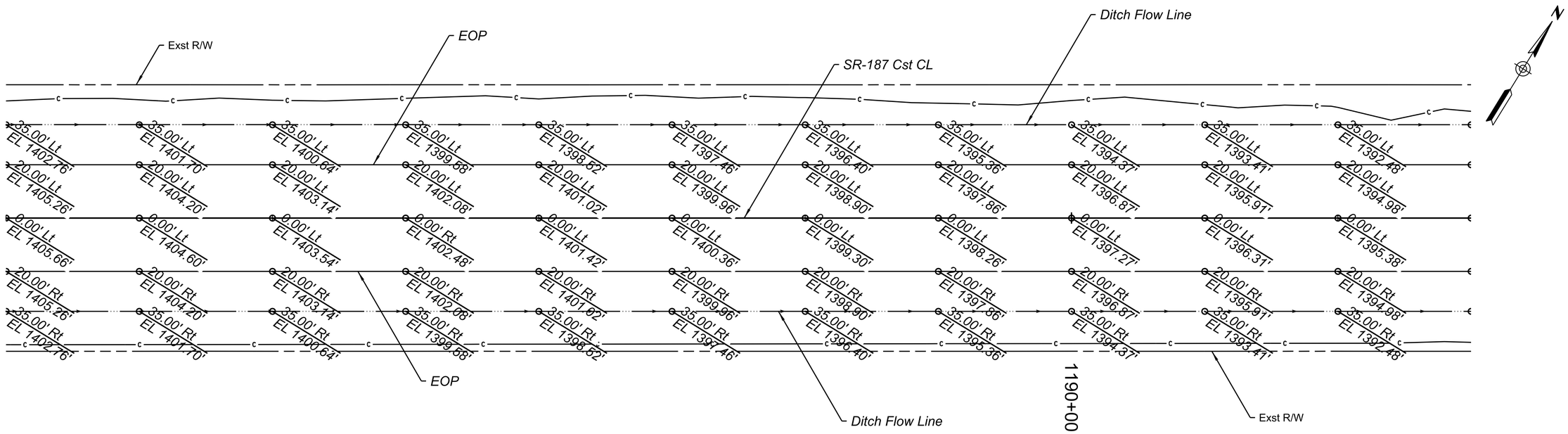
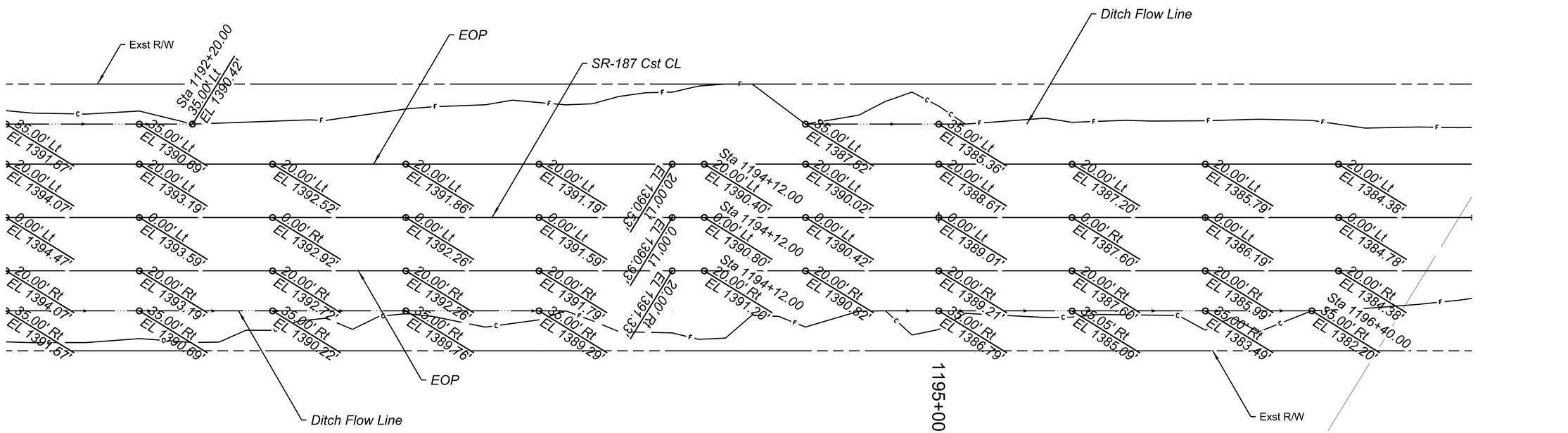




NOTES:

1. *Staking points are at 50 feet stations normal to the SR 187 Cst CL unless otherwise noted.*
2. *Elevations in ( ) indicate existing elevations.Contractor shall field verify existing elevations prior to construction.*

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40864 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

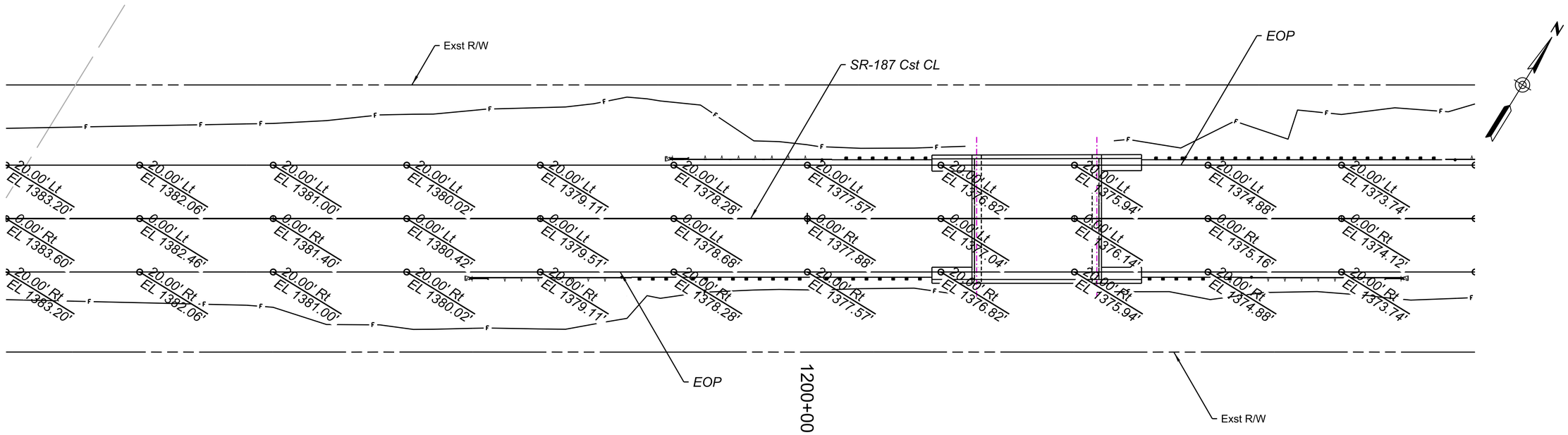
	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

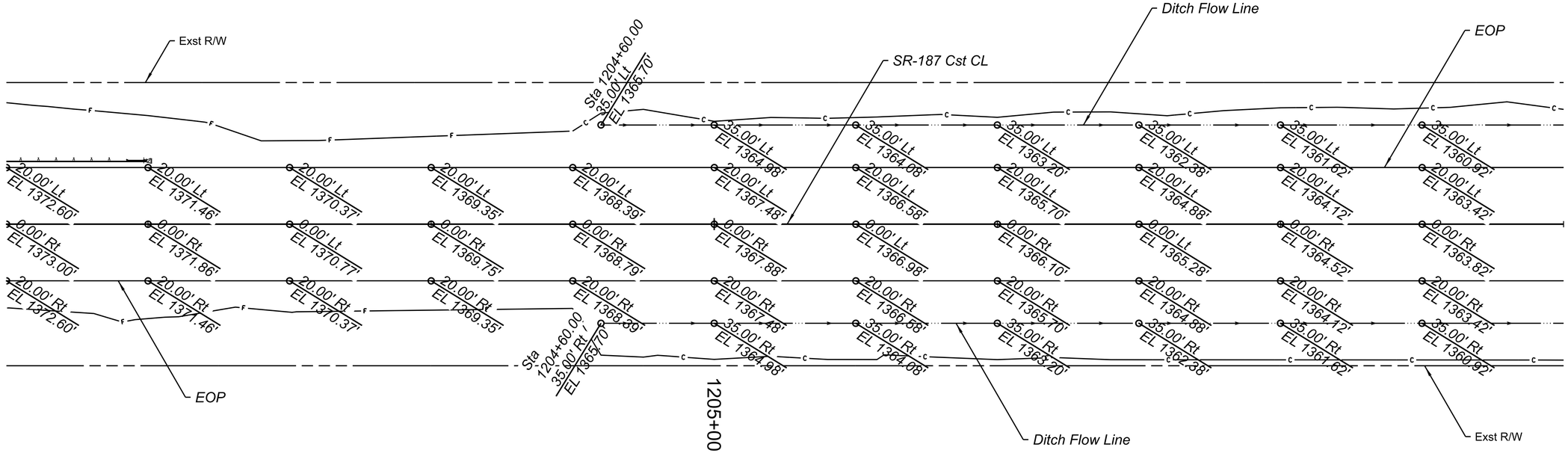
WILSON &COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 STAKING SHEET
Sta 1186+00 to 1197+00

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187		ARIZ.	187 PN 186	187-A(200)T	59	160	
MILEPOST	LOCATION	SR 187: SR 387 TO SR 87					DWG NO. C-06.18
STRUCTURE NO.	TRACS NO. F0641 01C	ADOT					___ OF___





NOTES:

1. *Staking points are at 50 feet stations normal to the SR 187 Cst CL unless otherwise noted.*
2. *Elevations in ( ) indicate existing elevations.Contractor shall field verify existing elevations prior to construction.*

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40864 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON &COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 STAKING SHEET
Sta 1197+00 to 1208+00

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187		ARIZ.	187 PN 186	187-A(200)T	60	160	
MILEPOST	LOCATION	SR 187: SR 387 TO SR 87					DWG NO. C-06.19
STRUCTURE NO.	TRACS NO. F0641 01C	ADOT					___ OF___

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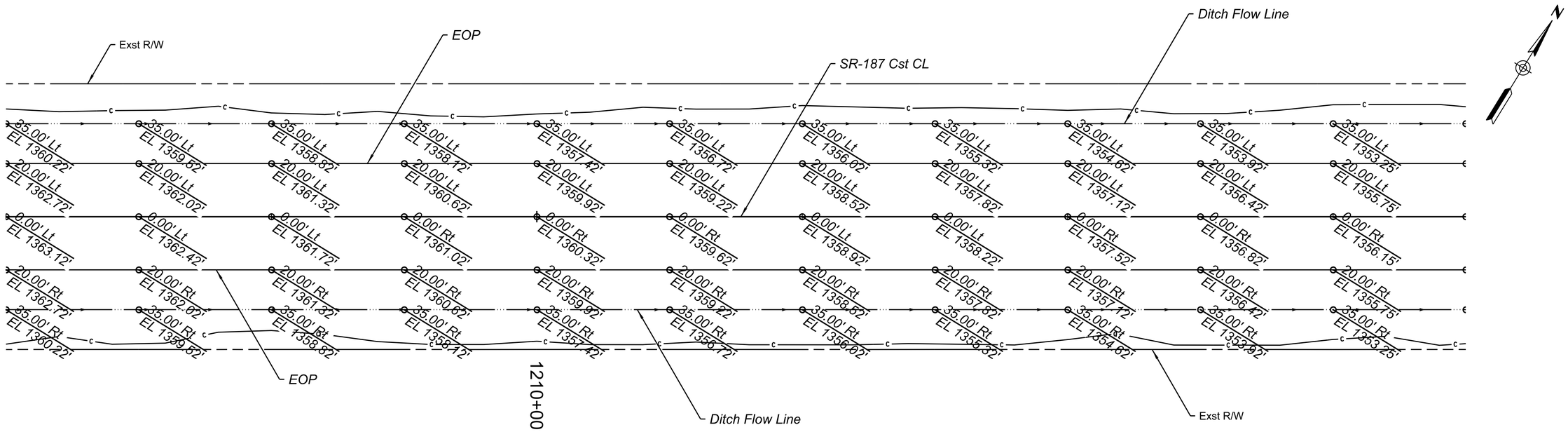

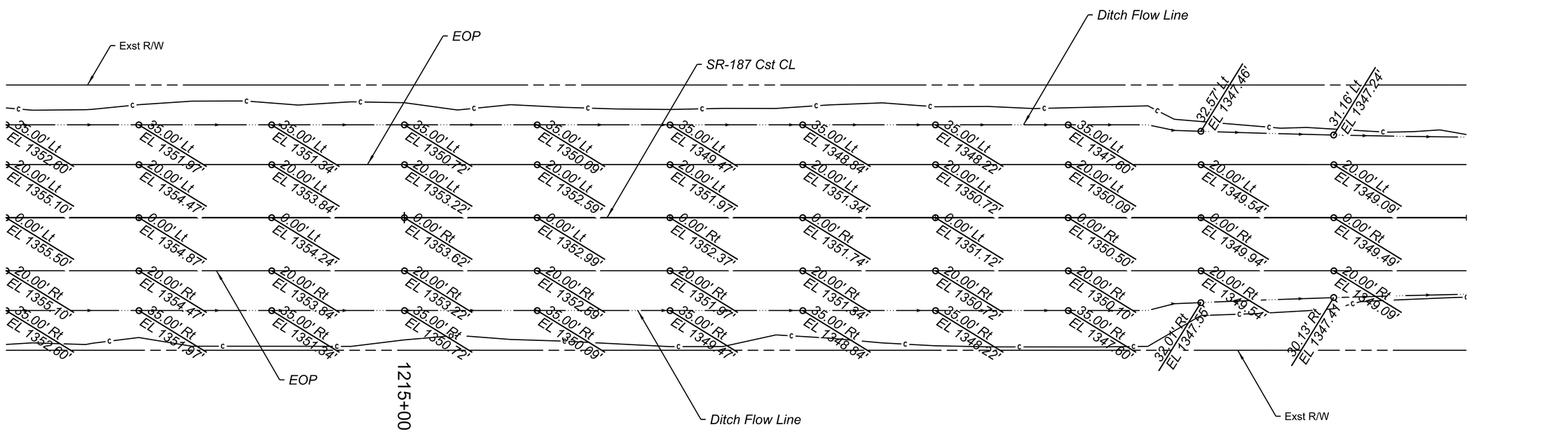

NOTES:

1. *Staking points are at 50 feet stations normal to the SR 187 Cst CL unless otherwise noted.*
2. *Elevations in ( ) indicate existing elevations.Contractor shall field verify existing elevations prior to construction.*

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40884 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 STAKING SHEET
Sta 1208+00 to 1219+00

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187		ARIZ.	187 PN 186	187-A(200)T	61	160	
MILEPOST	LOCATION	SR 187: SR 387 TO SR 87					DWG NO. C-06.20
STRUCTURE NO.	TRACS NO. F0641 01C	ADOT					___ OF___

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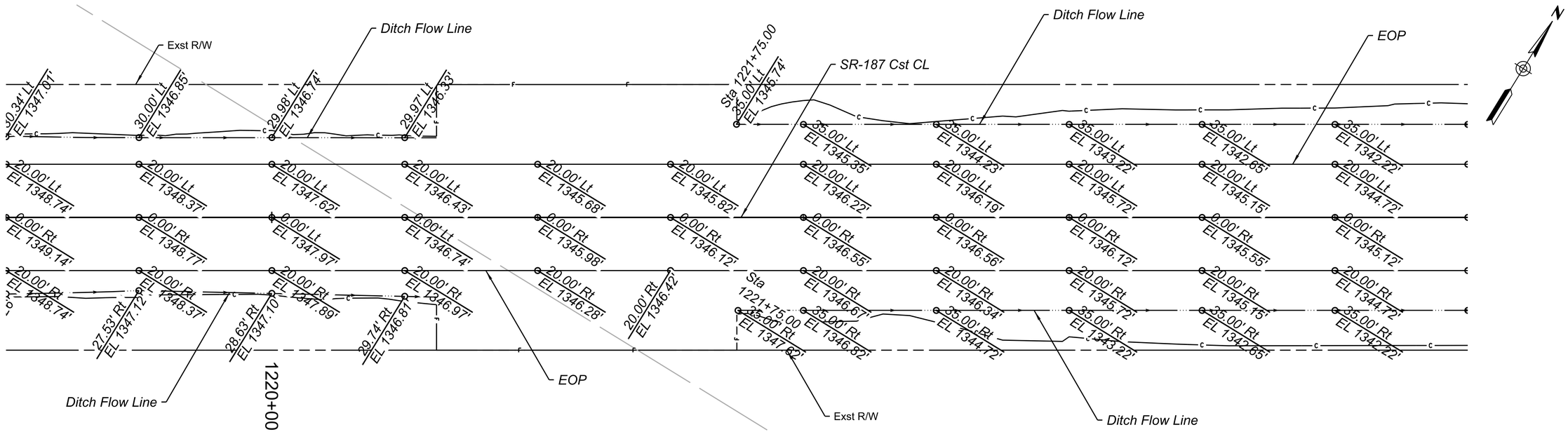


NOTES:

1. *Staking points are at 50 feet stations normal to the SR 187 Cst CL unless otherwise noted.*
2. *Elevations in ( ) indicate existing elevations.Contractor shall field verify existing elevations prior to construction.*

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40884 OWEN R. MILLS Date Signed 6/5/25 ARIZONA U.S.A.

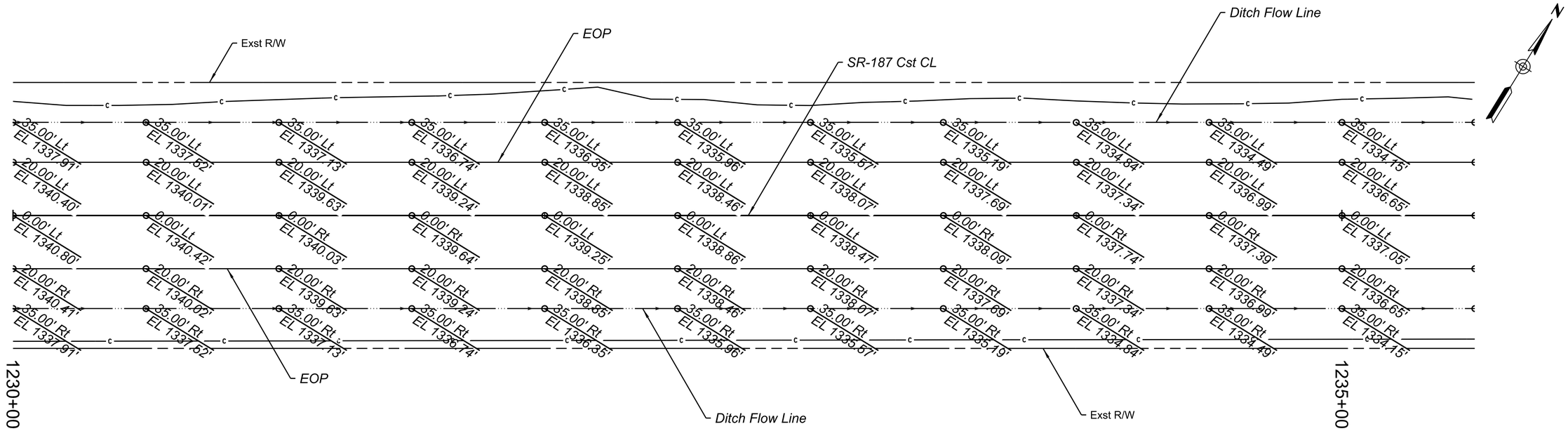
	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

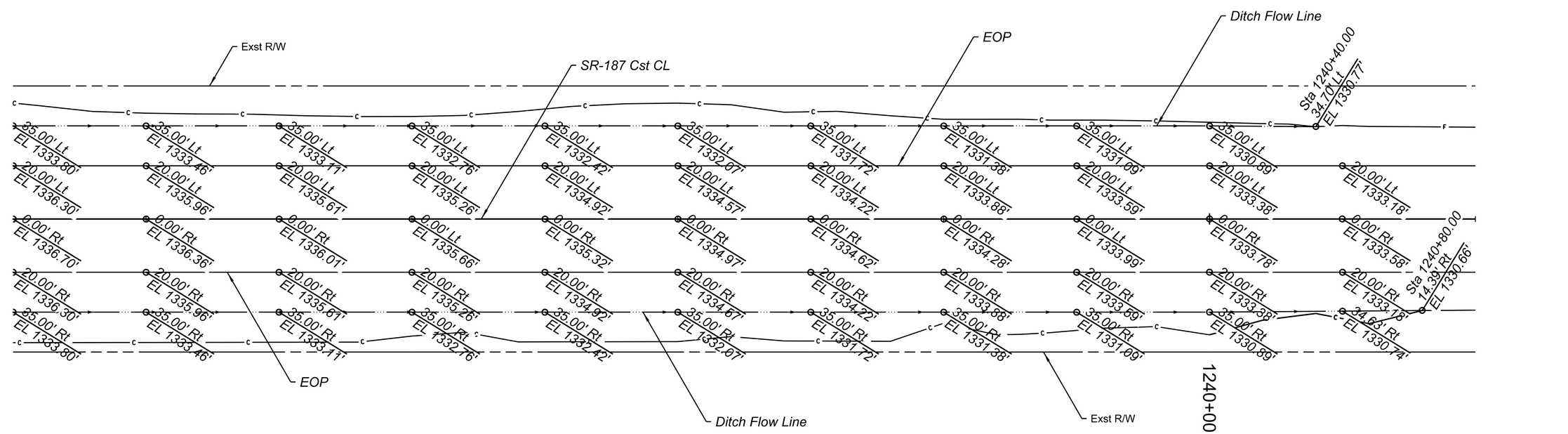
WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 STAKING SHEET
Sta 1219+00 to 1230+00

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187		ARIZ.	187 PN 186	187-A(200)T	62	160	
MILEPOST	LOCATION	SR 187: SR 387 TO SR 87				DWG NO. C-06.21	
STRUCTURE NO.	TRACS NO. F0641 01C	ADOT				____ OF____	





NOTES:

1. *Staking points are at 50 feet stations normal to the SR 187 Cst CL unless otherwise noted.*
2. *Elevations in ( ) indicate existing elevations.Contractor shall field verify existing elevations prior to construction.*

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40864 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON &COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 STAKING SHEET
Sta 1230+00 to 1241+00

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187		ARIZ.	187 PN 186	187-A(200)T	63	160	
MILEPOST	LOCATION	SR 187: SR 387 TO SR 87					DWG NO. C-06.22
STRUCTURE NO.	TRACS NO. F0641 01C	ADOT					___ OF___

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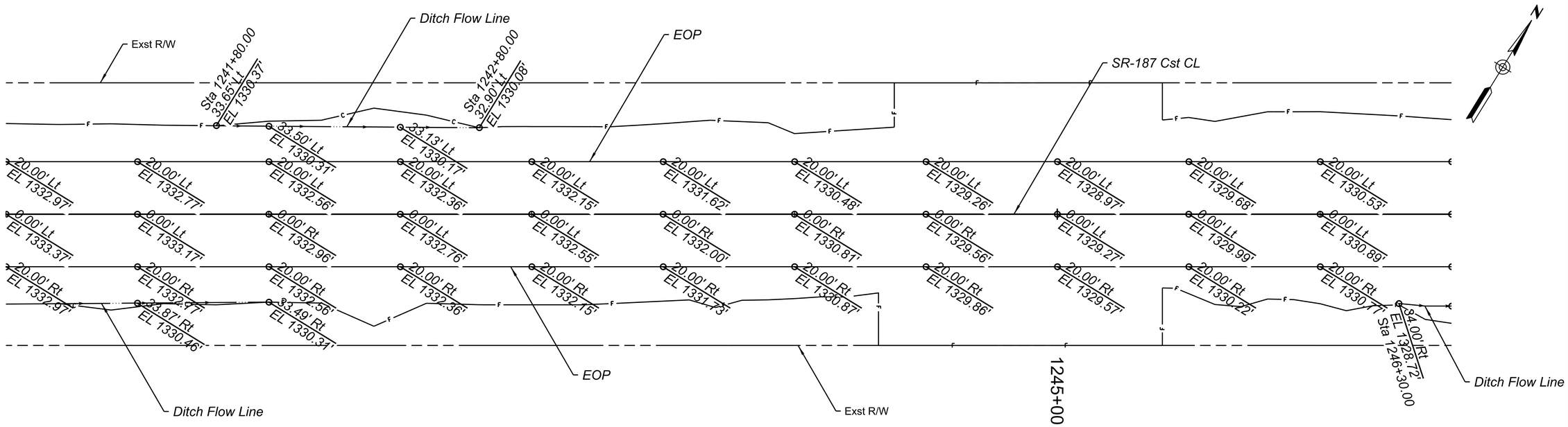

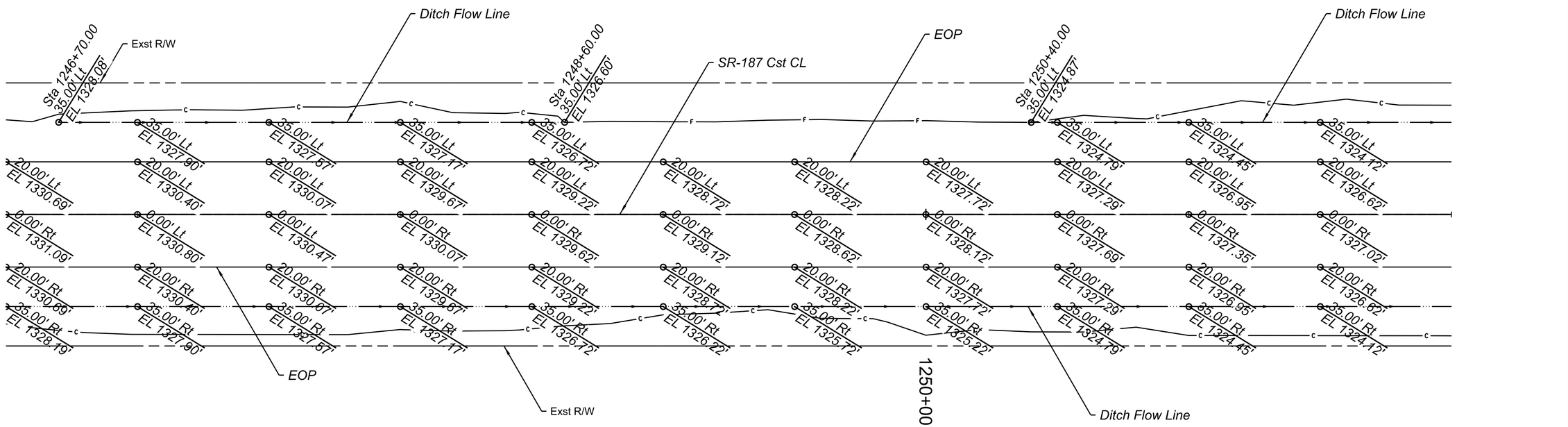

NOTES:

1. Staking points are at 50 feet stations normal to the SR 187 Cst CL unless otherwise noted.
2. Elevations in ( ) indicate existing elevations.Contractor shall field verify existing elevations prior to construction.

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40864 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 STAKING SHEET
Sta 1241+00 to 1252+00

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187		ARIZ.	187 PN 186	187-A(200)T	64	160	
MILEPOST	LOCATION	SR 187: SR 387 TO SR 87					DWG NO. C-06.23
STRUCTURE NO.	TRACS NO. F0641 01C	ADOT					___ OF___

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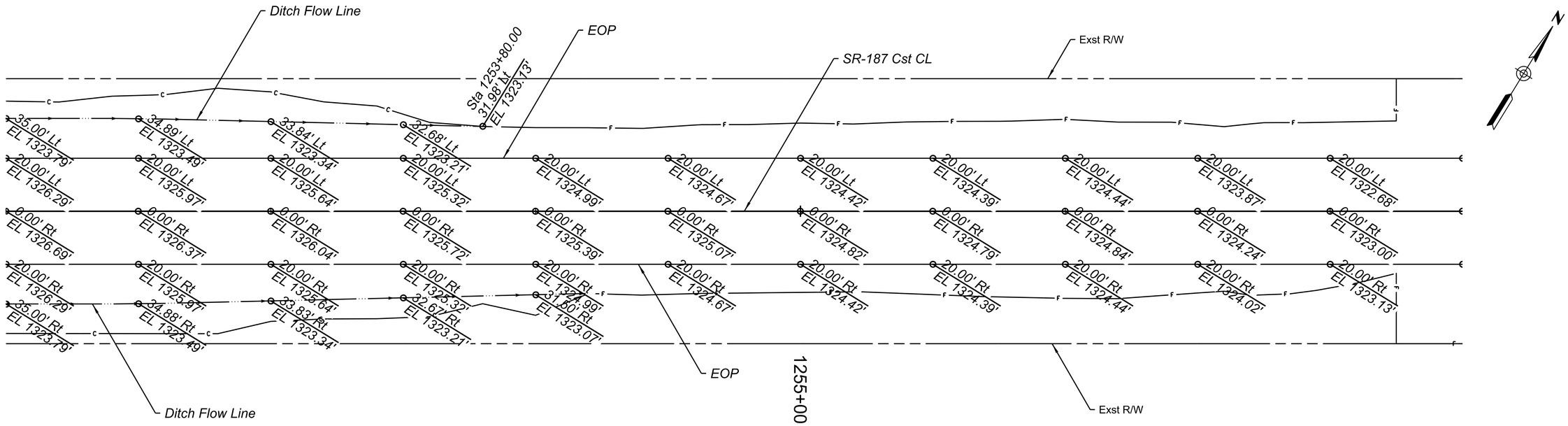

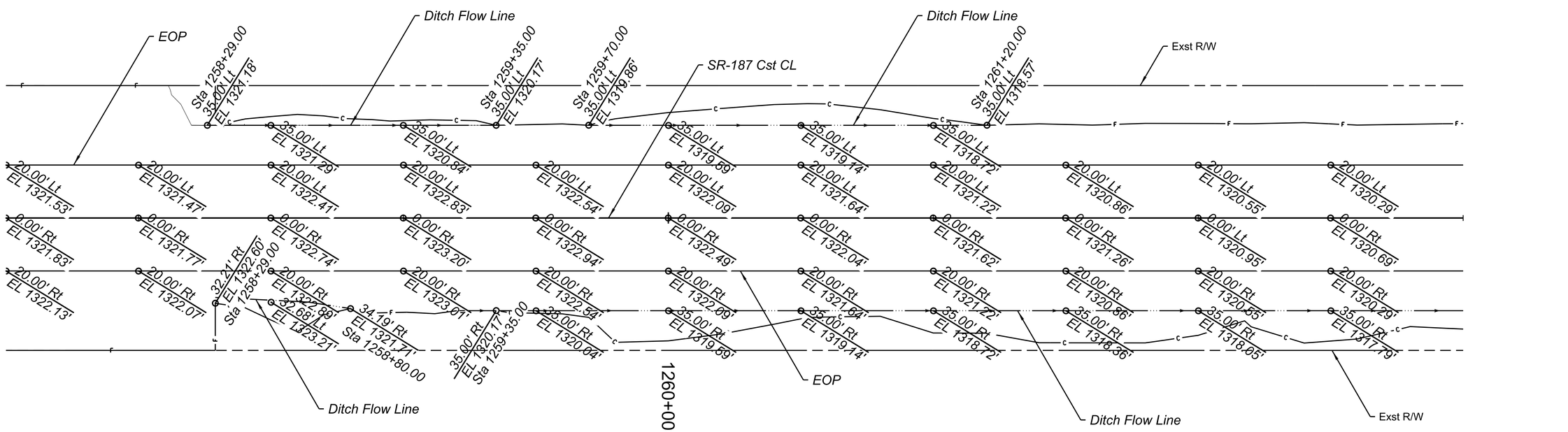

NOTES:

1. *Staking points are at 50 feet stations normal to the SR 187 Cst CL unless otherwise noted.*
2. *Elevations in ( ) indicate existing elevations.Contractor shall field verify existing elevations prior to construction.*

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40864 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 STAKING SHEET
Sta 1252+00 to 1263+00

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187		ARIZ.	187 PN 186	187-A(200)T	65	160	
MILEPOST	LOCATION	SR 187: SR 387 TO SR 87					DWG NO. C-06.24
STRUCTURE NO.	TRACS NO. F0641 01C	ADOT					___ OF___

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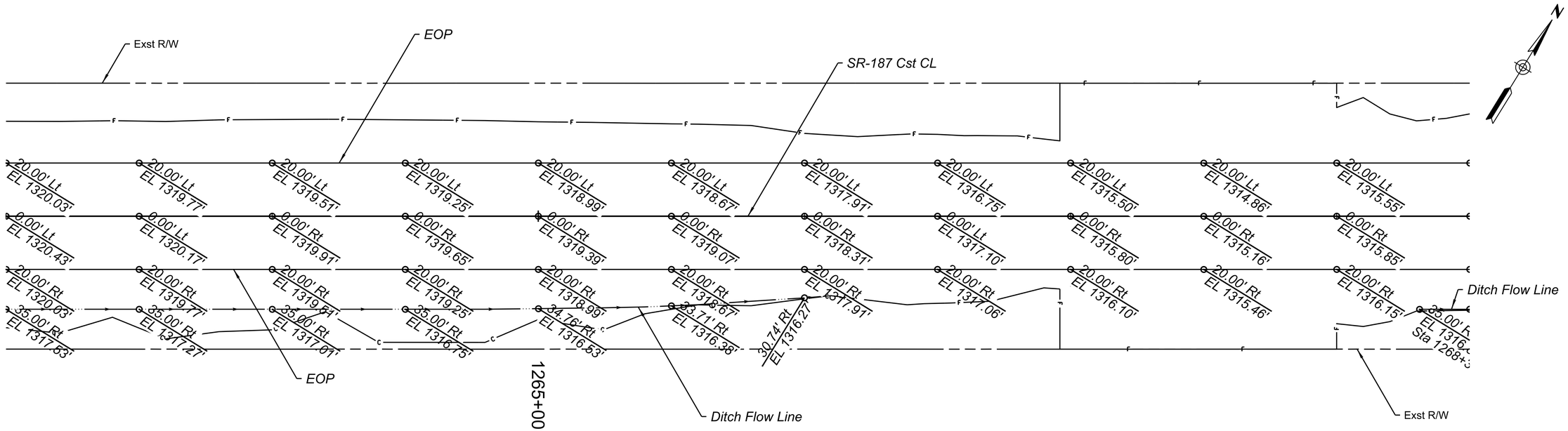

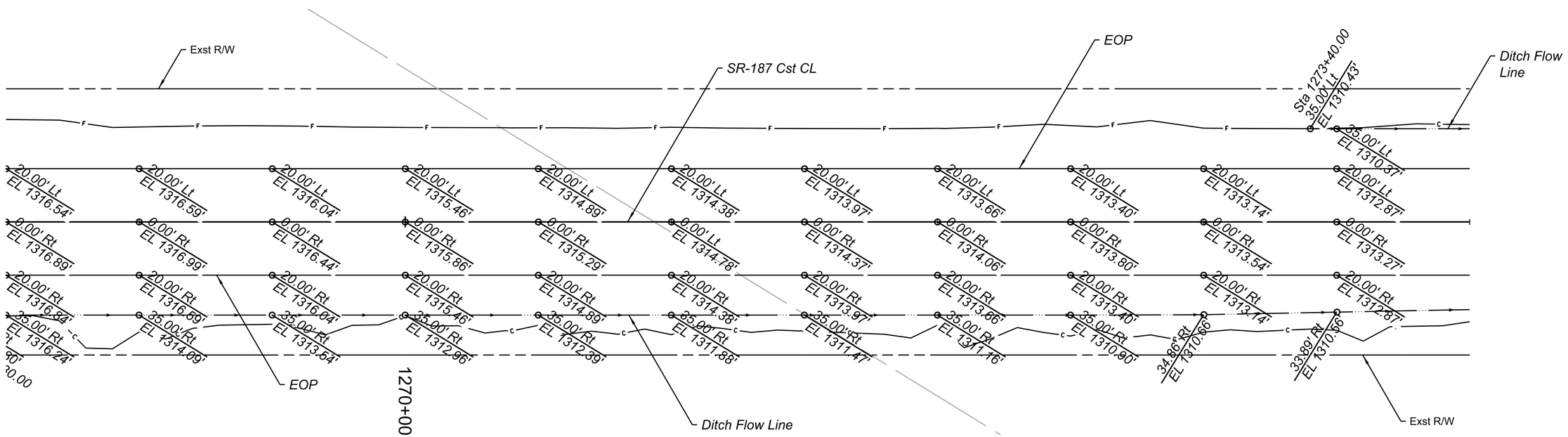

NOTES:

1. *Staking points are at 50 feet stations normal to the SR 187 Cst CL unless otherwise noted.*
2. *Elevations in ( ) indicate existing elevations.Contractor shall field verify existing elevations prior to construction.*

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40884 OWEN R. MILLS Date Signed 6/5/25 ARIZONA U.S.A.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 STAKING SHEET
Sta 1263+00 to 1274+00

ROUTE: SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division

STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	187 PN 186	187-A(200)T	66	160	

LOCATION: SR 187: SR 387 TO SR 87

TRACS NO. F0641 01C

ADOT

DWG NO. C-06.25

____ OF____

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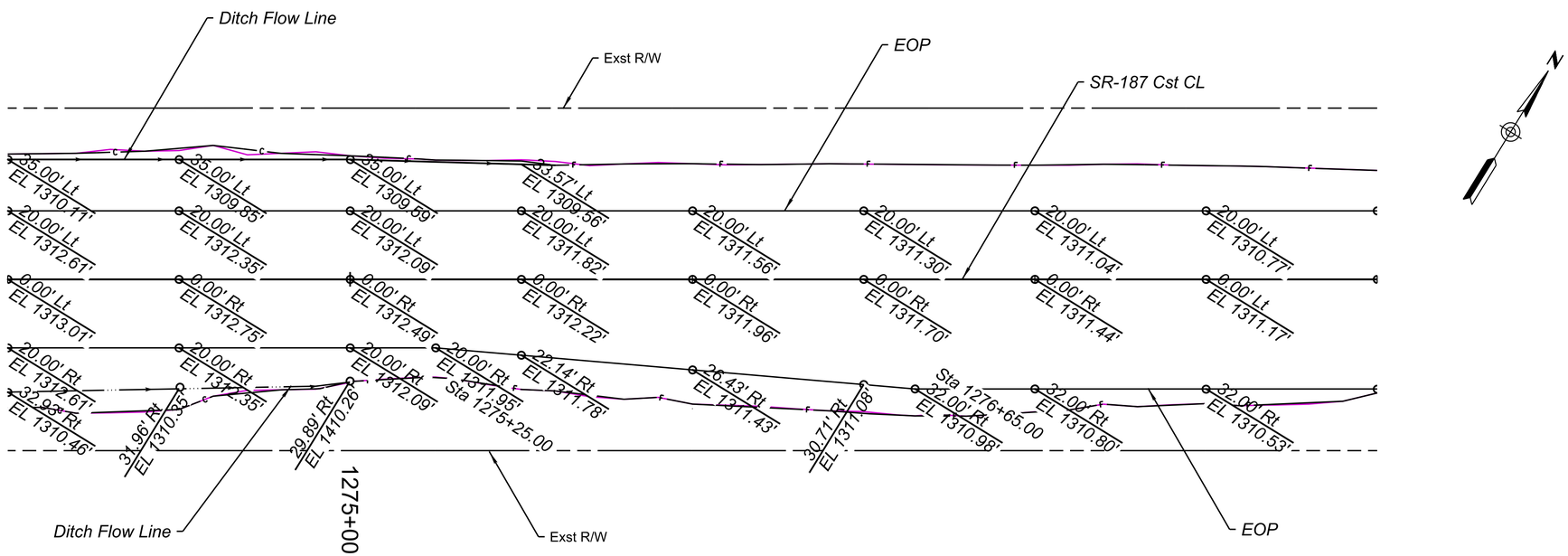

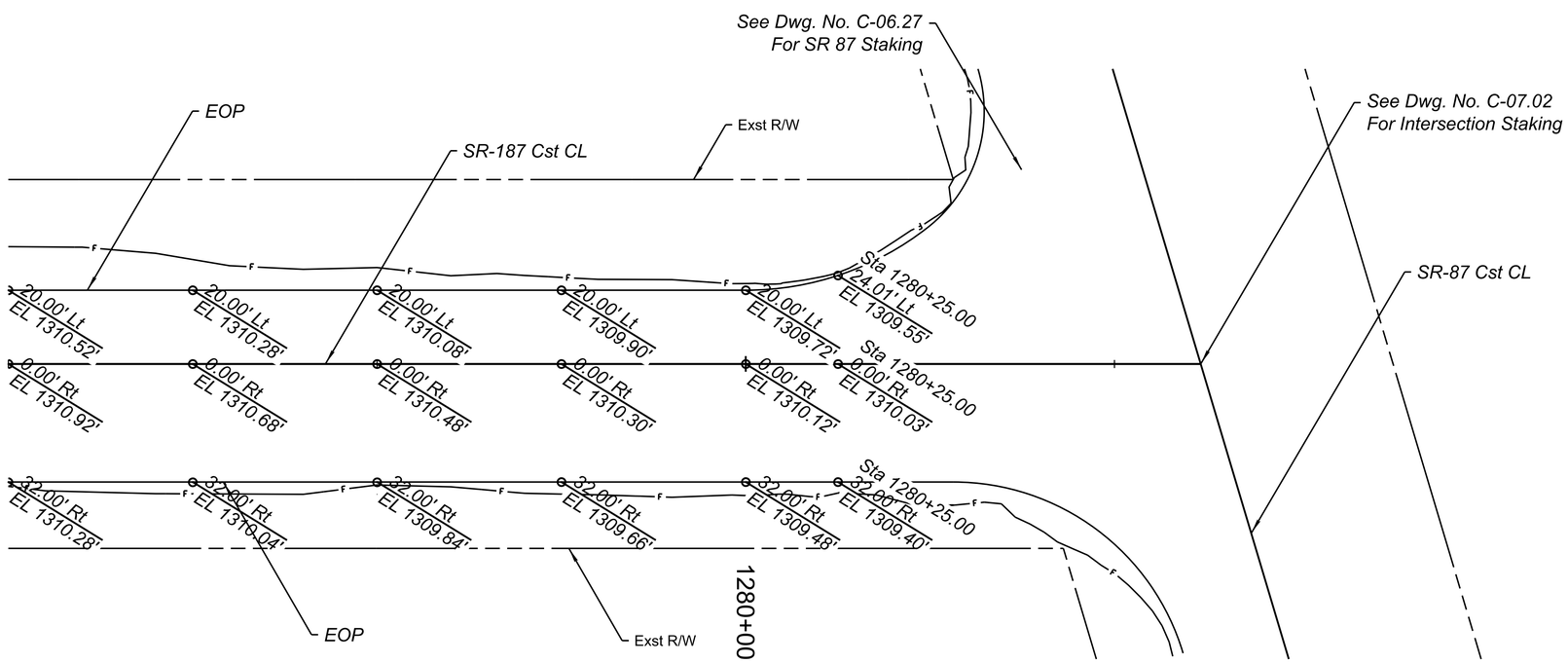

NOTES:

1. *Staking points are at 50 feet stations normal to the SR 187 Cst CL unless otherwise noted.*
2. *Elevations in ( ) indicate existing elevations.Contractor shall field verify existing elevations prior to construction.*

Registered Professional Engineer (Civil) CERTIFICATE NO. 40984 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 STAKING SHEET
Sta 1274+00 to 1280+25

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187		ARIZ.	187 PN 186	187-A(200)T	67	160	
MILEPOST	LOCATION	SR 187: SR 387 TO SR 87					DWG NO. C-06.26
STRUCTURE NO.	TRACS NO.	F0641 01C	ADOT				___ OF___

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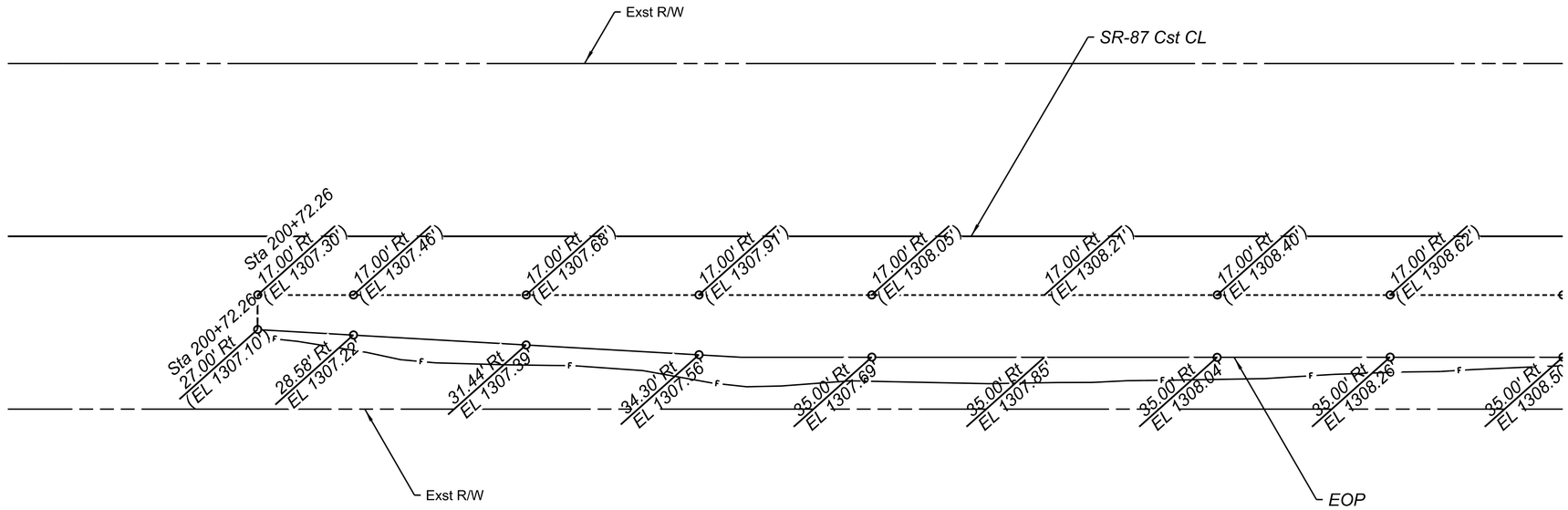
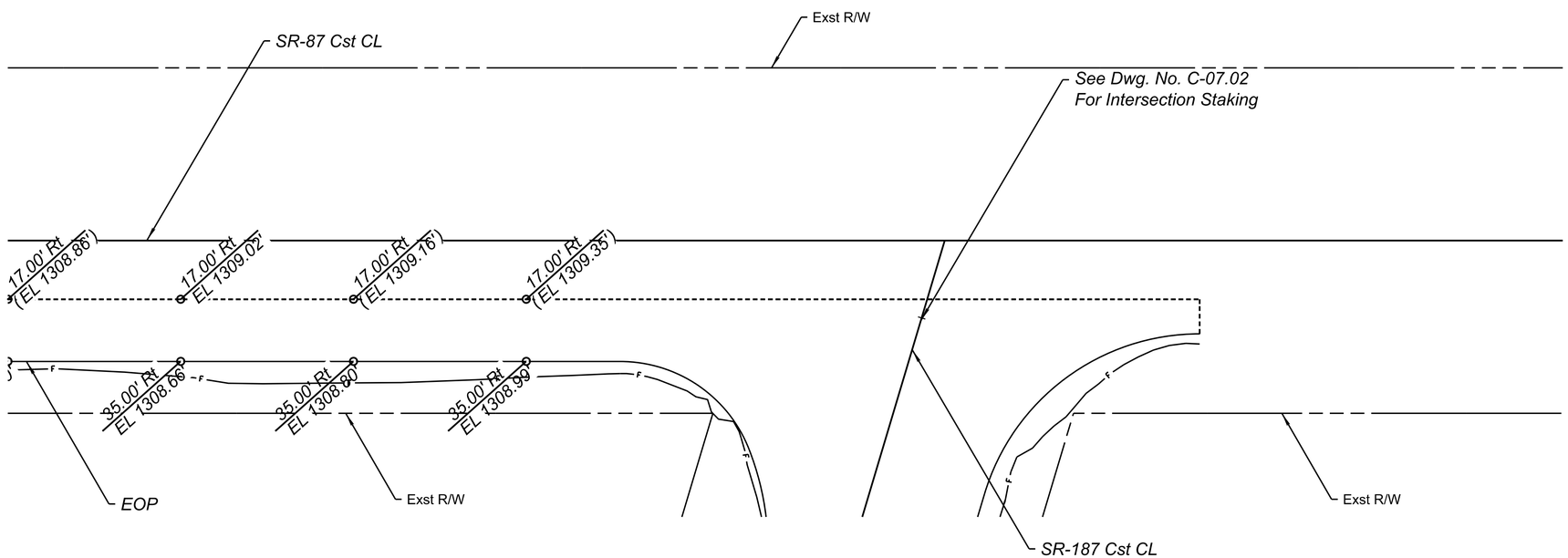




NOTES:

1. *Staking points are at 50 feet stations normal to the SR 87 Cst CL unless otherwise noted.*
2. *Elevations in ( ) indicate existing elevations.Contractor shall field verify existing elevations prior to construction.*

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40884 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 87 STAKING SHEET

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	187 PN 186	187-A(200)T	68	160	

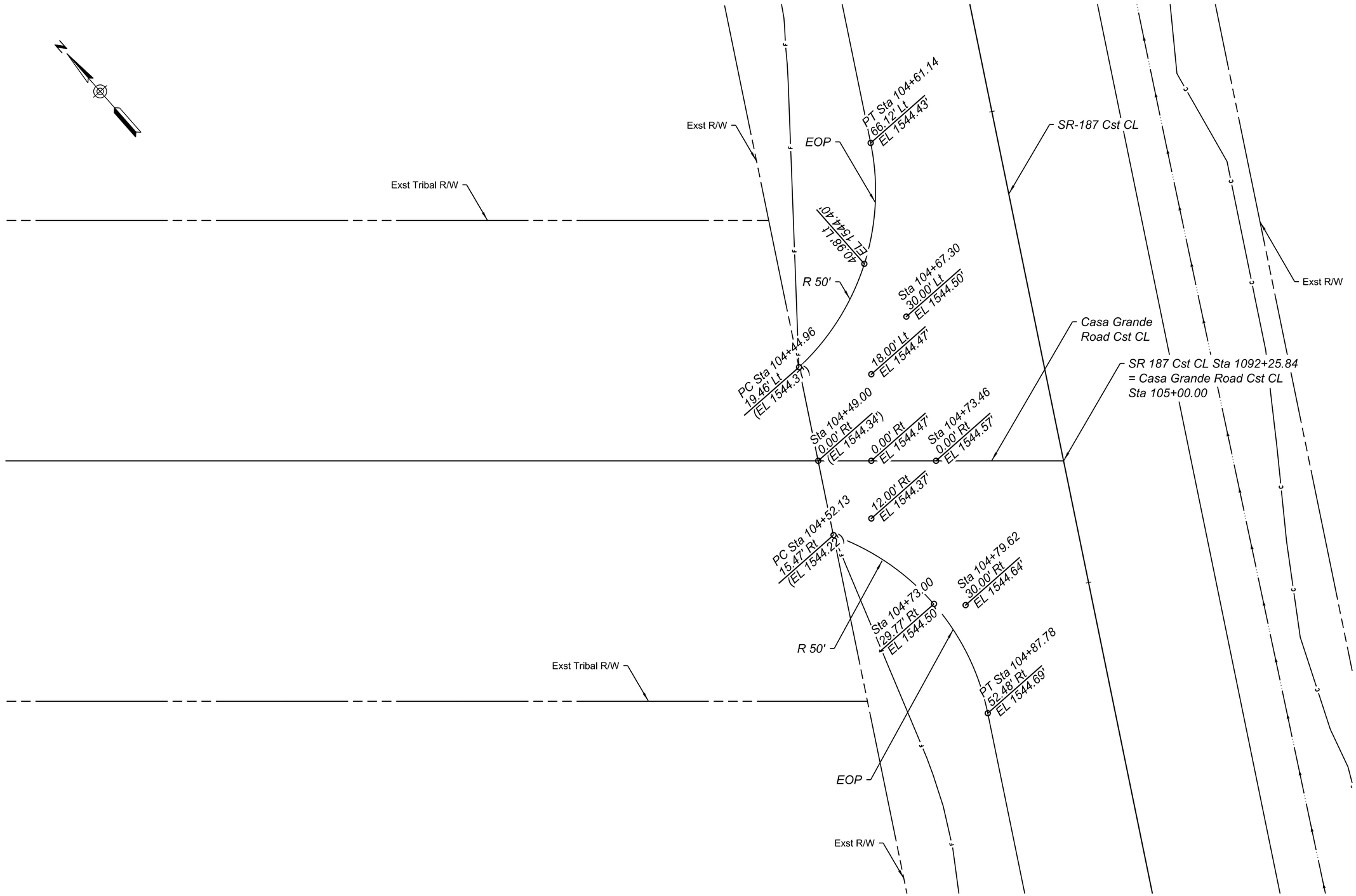
LOCATION SR 187: SR 387 TO SR 87

TRACS NO. F0641 01C

ADOT

DWG NO. C-06.27

___ OF___



NOTES:

1. *Staking points are at 20 feet stations normal to the Casa Grande Road Cst CL unless otherwise noted.*
2. *Elevations in ( ) indicate existing elevations.Contractor shall field verify existing elevations prior to construction.*

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40884 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

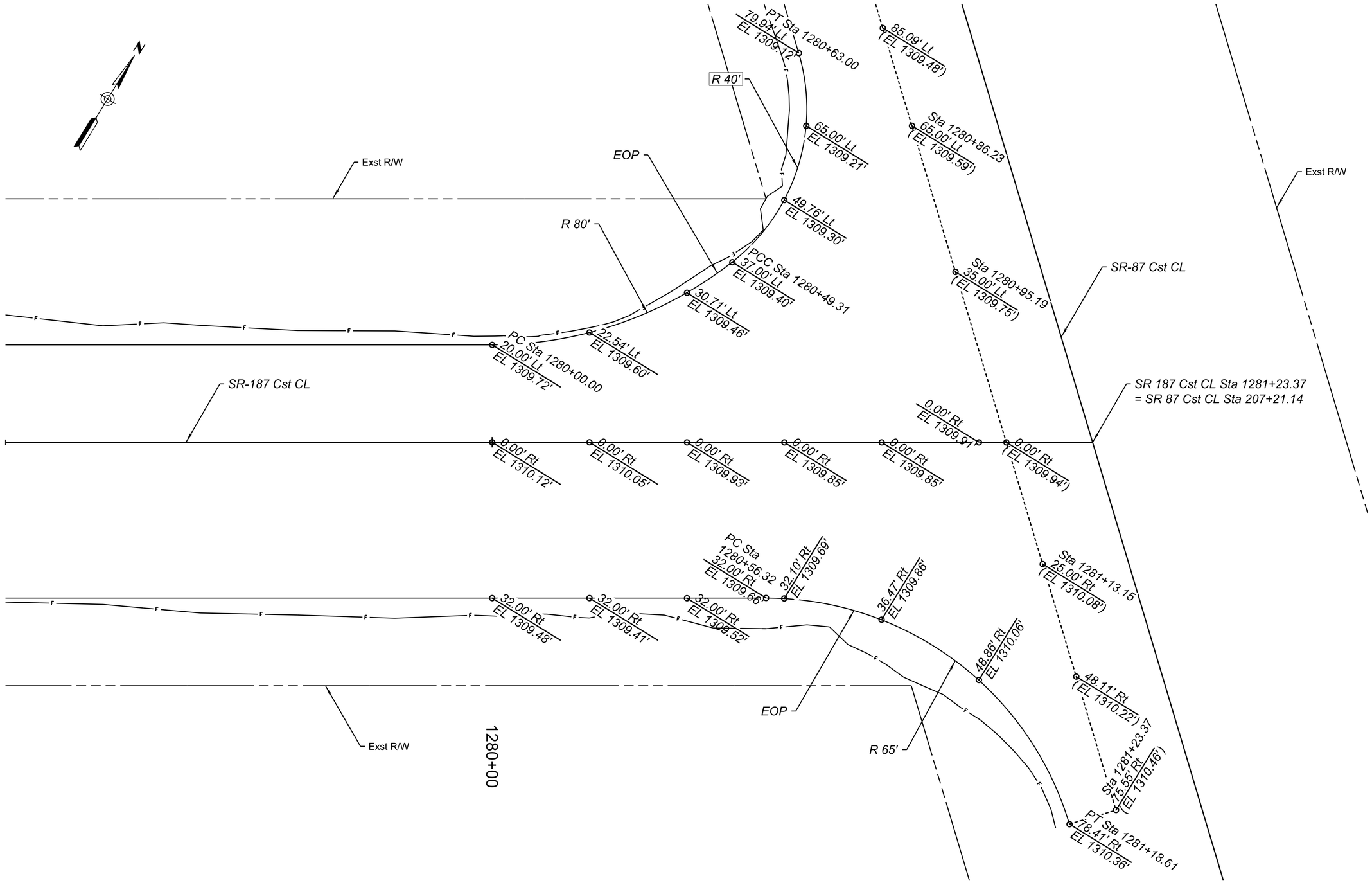
	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

INTERSECTION STAKING SHEET
CASA GRANDE ROAD & SR 187

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187		ARIZ.	187 PN 186	187-A(200)T	69	160	
MILEPOST	LOCATION	SR 187: SR 387 TO SR 87				DWG NO. C-07.01	
STRUCTURE NO.	TRACS NO. F0641 01C	ADOT				____ OF____	



NOTES:

1. *Staking points are at 20 feet stations normal to the SR 187 Cst CL unless otherwise noted.*
2. *Elevations in ( ) indicate existing elevations.Contractor shall field verify existing elevations prior to construction.*

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40894 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

INTERSECTION STAKING SHEET
SR 87 & SR 187

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division

STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	187 PN 186	187-A(200)T	70	160	

LOCATION SR 187: SR 387 TO SR 87

DWG NO. C-07.02

TRACS NO. F0641 01C

ADOT

____ OF____

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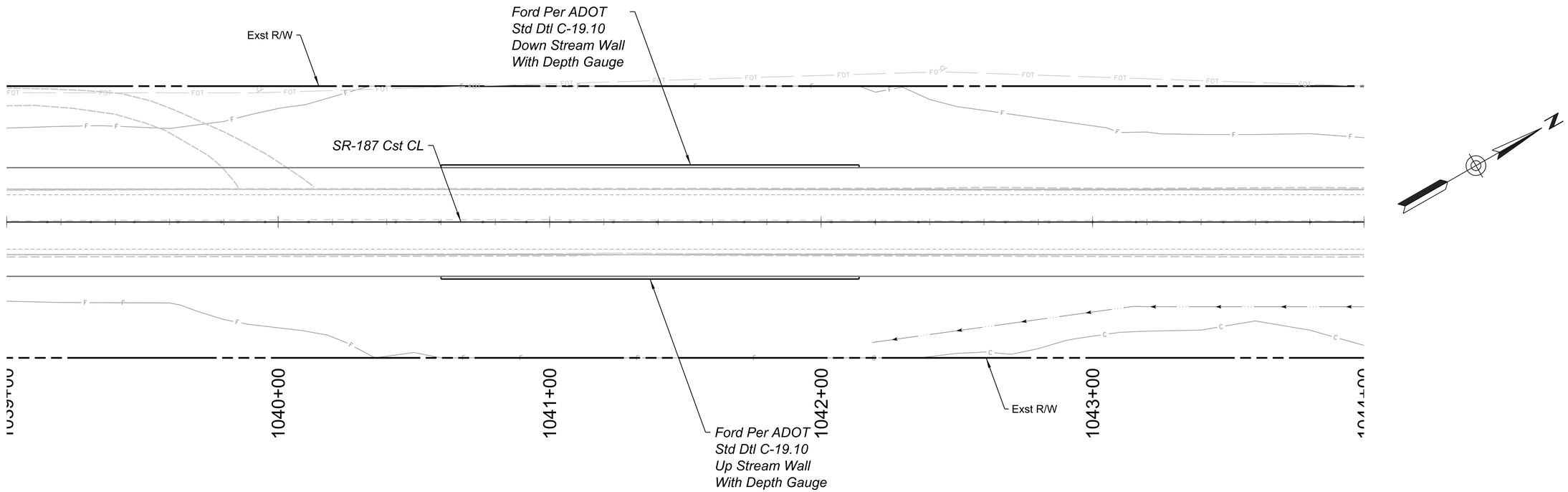
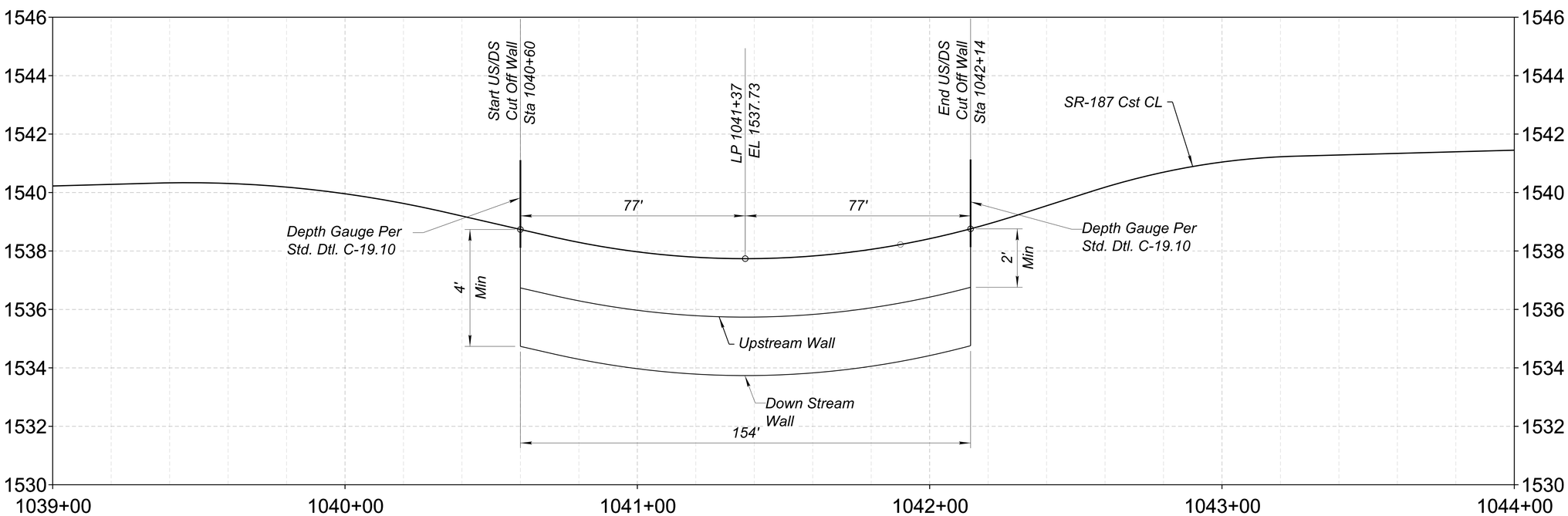




Registered Professional Engineer (Civil)
CERTIFICATE NO. 23170
JEFFREY J. HOLZMEISTER
Date Signed: 06/06/25
ARIZONA, U.S.A.

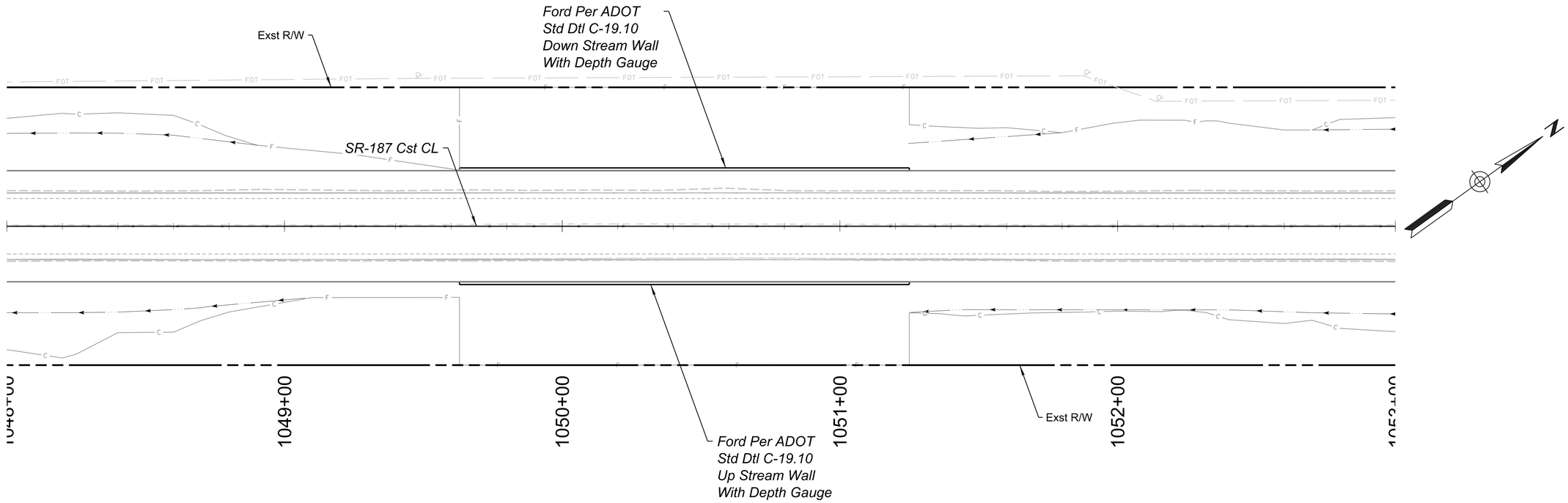
	NAME	DATE
DESIGN	EG	06/25
DRAWN	JW	06/25
CHECKED	JH	06/25

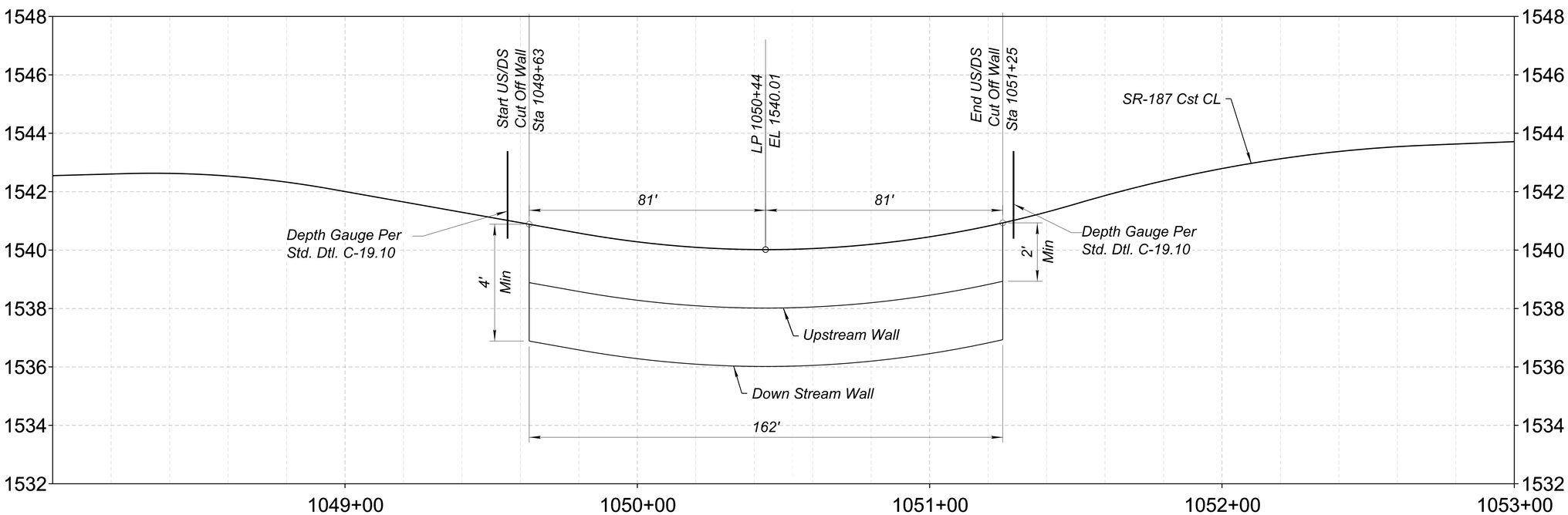
J2 Design
4649 E COTTON GIN LOOP B2 PHOENIX, AZ 85040 602.436.2221

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 LOW FLOW CROSSING
STA 1041+37

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187		ARIZ.	187 PN 186	187-A(200)T	71	160	
MILEPOST	LOCATION	SR 187: SR 387 TO SR 87					DWG NO. D-01.01
STRUCTURE NO.	TRACS NO. F0641 01C		ADOT				____ OF____





Registered Professional Engineer (Civil)
CERTIFICATE NO.
23170
JEFFREY J.
HOLZMEISTER
Date Signed: 06/06/25
ARIZONA U.S.A.

	NAME	DATE
DESIGN	EG	06/25
DRAWN	JW	06/25
CHECKED	JH	06/25

J2 Design
4649 E COTTON GIN LOOP B2 PHOENIX, AZ 85040 602.438.2221

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 LOW FLOW CROSSING
STA 1050+44

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division

STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	187 PN 186	187-A(200)T	72	160	

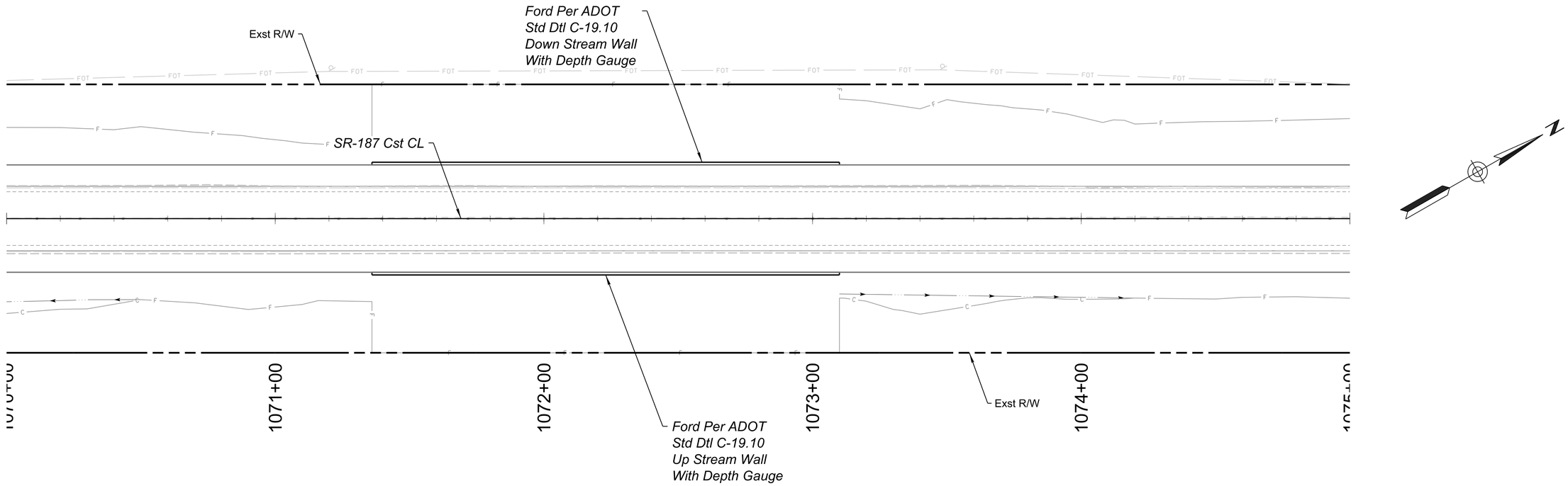
LOCATION SR 187: SR 387 TO SR 87

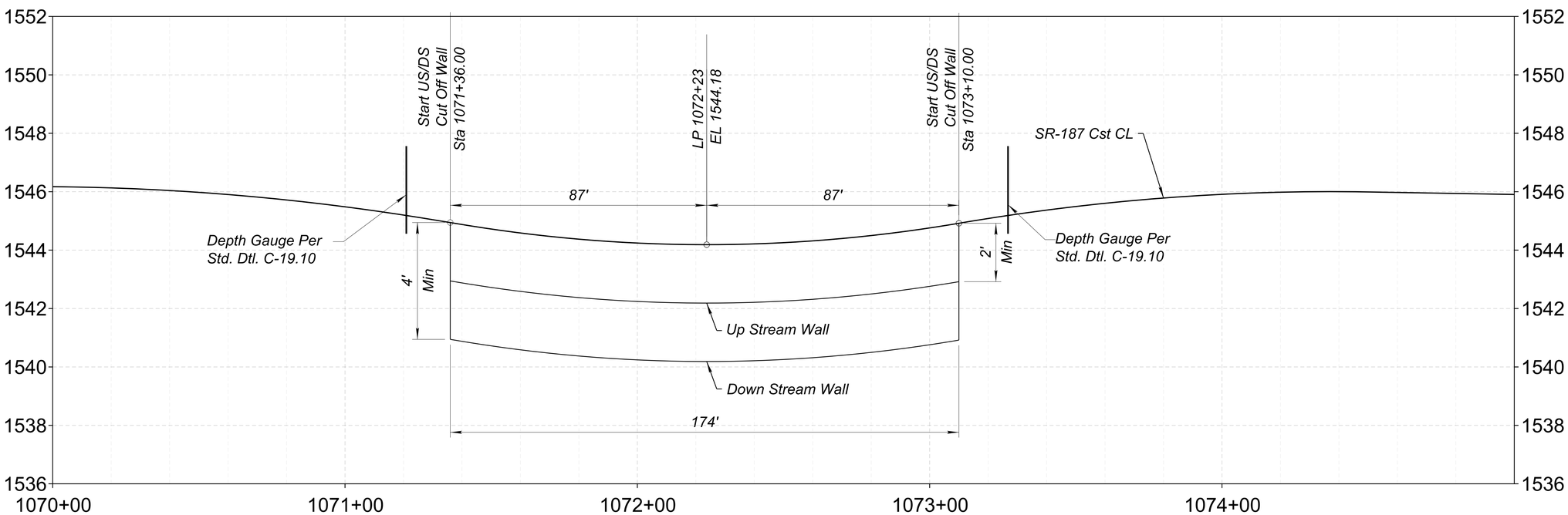
TRACS NO. F0641 01C

ADOT

DWG NO. D-01.02

____ OF____





Registered Professional Engineer (Civil) CERTIFICATE NO. 23170 JEFFREY J. HOLZMEISTER Date Signed: 06/05/25 ARIZONA U.S.A.

	NAME	DATE
DESIGN	EG	06/25
DRAWN	JW	06/25
CHECKED	JH	06/25

J2 Design
4649 E COTTON GIN LOOP B2 PHOENIX, AZ 85040 602.438.2221

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 LOW FLOW CROSSING
STA 1072+24

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	187 PN 186	187-A(200)T	73	160	

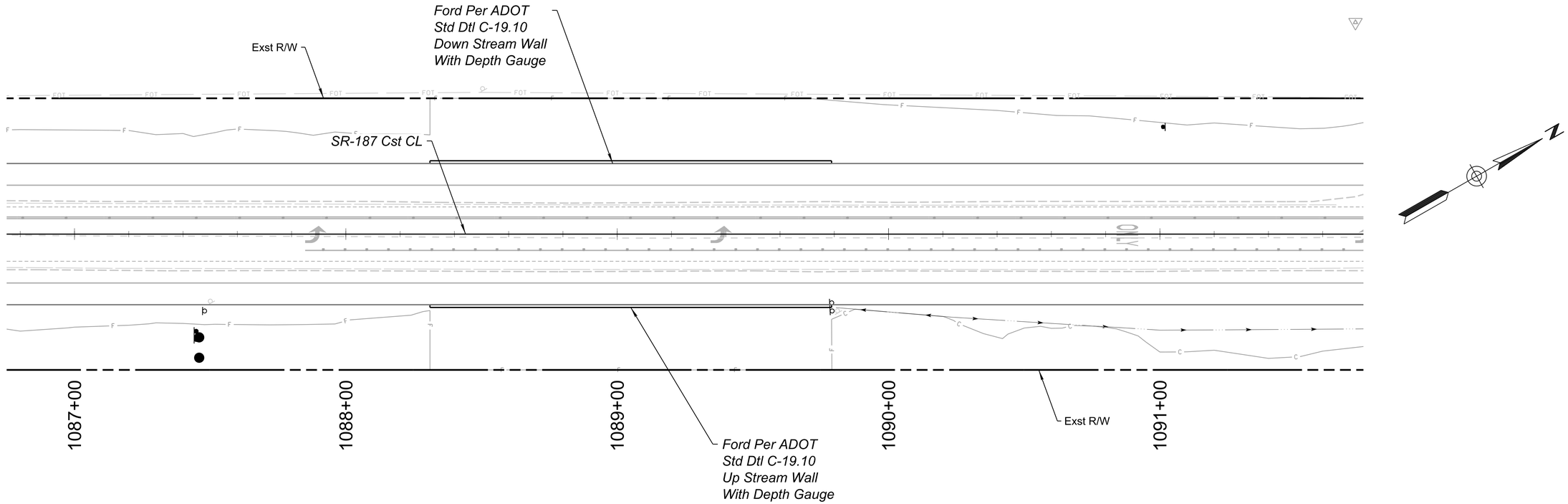
LOCATION SR 187: SR 387 TO SR 87

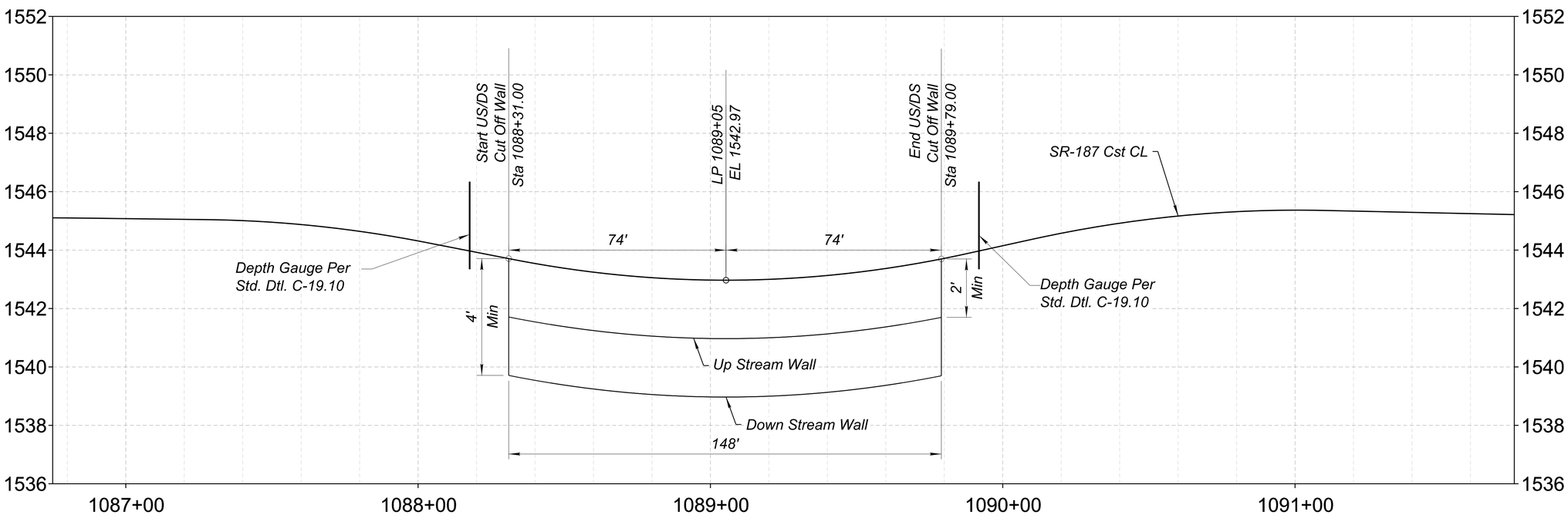
TRACS NO. F0641 01C

ADOT

DWG NO. D-01.03

____ OF ____





Registered Professional Engineer (Civil)
CERTIFICATE NO. 23170
JEFFREY J. HOLZMEISTER
Date Signed: 06/05/25
ARIZONA U.S.A.

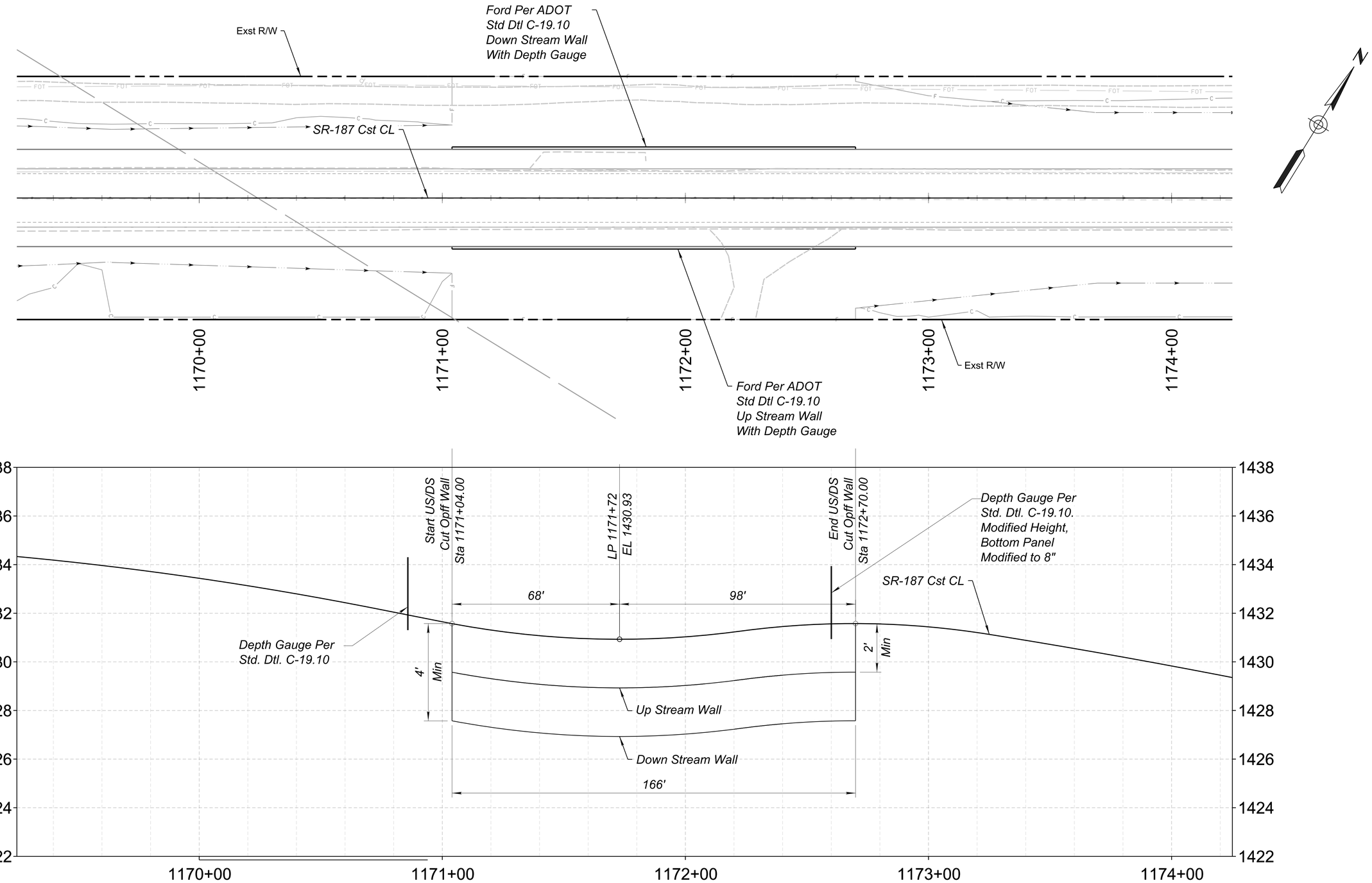
	NAME	DATE
DESIGN	EG	06/25
DRAWN	JW	06/25
CHECKED	JH	06/25

J2 Design
4649 E COTTON GIN LOOP B2 PHOENIX, AZ 85040 602.438.2221

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 LOW FLOW CROSSING
STA 1089+05

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187		ARIZ.	187 PN 186	187-A(200)T	74	160	
MILEPOST	LOCATION	SR 187: SR 387 TO SR 87					DWG NO. D-01.04
STRUCTURE NO.	TRACS NO. F0641 01C		ADOT				____ OF____



	NAME	DATE
DESIGN	EG	06/25
DRAWN	JW	06/25
CHECKED	JH	06/25

Registered Professional Engineer (Civil) CERTIFICATE NO. 23170 JEFFREY J. HOLZMEISTER Date Signed: 06/06/25 ARIZONA, U.S.A.

J2 Design
4649 E COTTON GIN LOOP B2 PHOENIX, AZ 85040 602.438.2221

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 LOW FLOW CROSSING
STA 1171+73

ROUTE: SR-187
MILEPOST:
STRUCTURE NO.

F.H.W.A. Arizona Division

STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	187 PN 186	187-A(200)T	75	160	

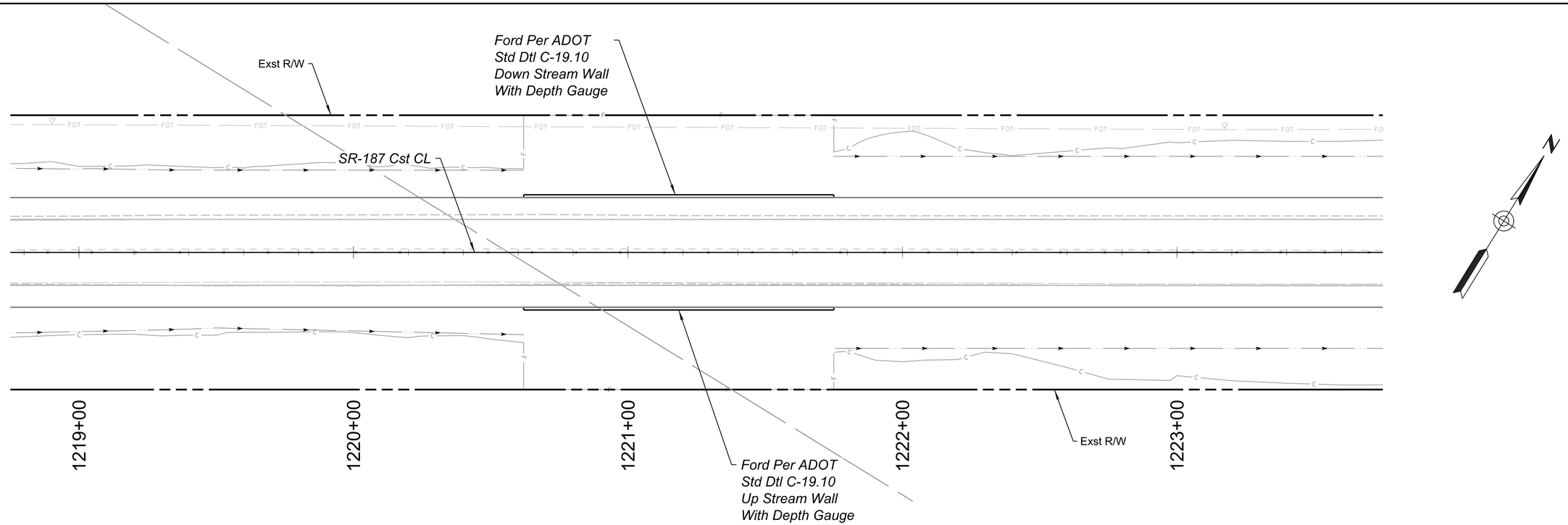
LOCATION: SR 187: SR 387 TO SR 87

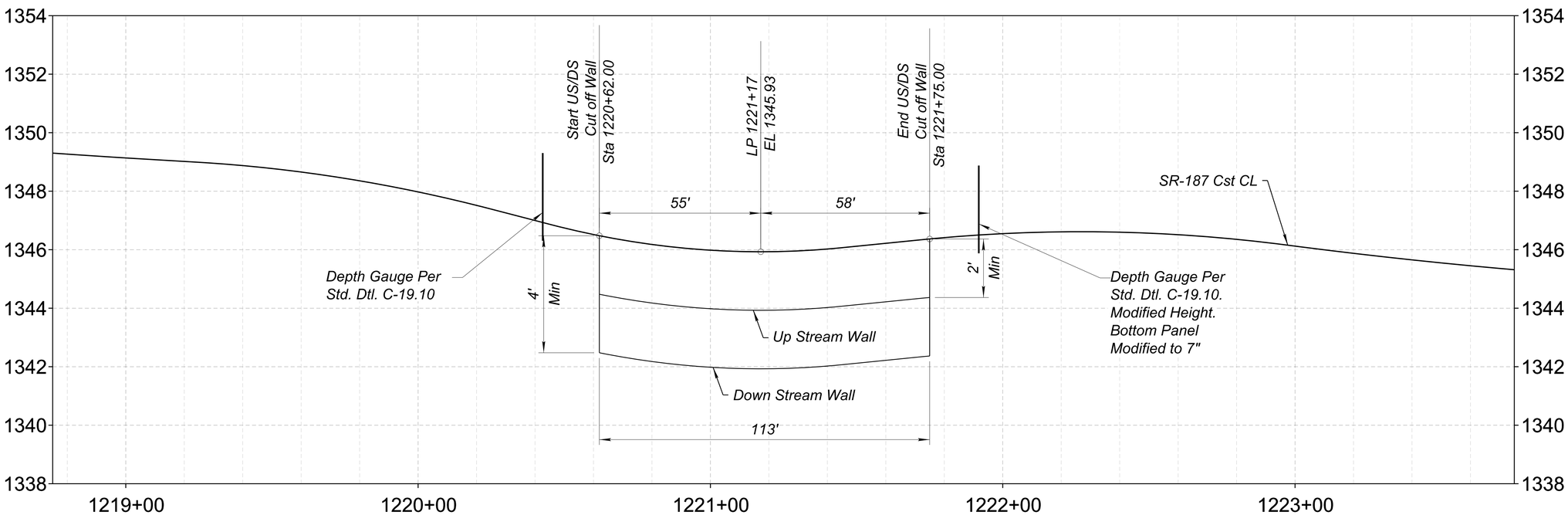
TRACS NO. F0641 01C

ADOT

DWG NO. D-01.05

____ OF____





Registered Professional Engineer (Civil)
CERTIFICATE NO. 23170
JEFFREY J. HOLZMEISTER
Date Signed: 06/06/25
ARIZONA U.S.A.

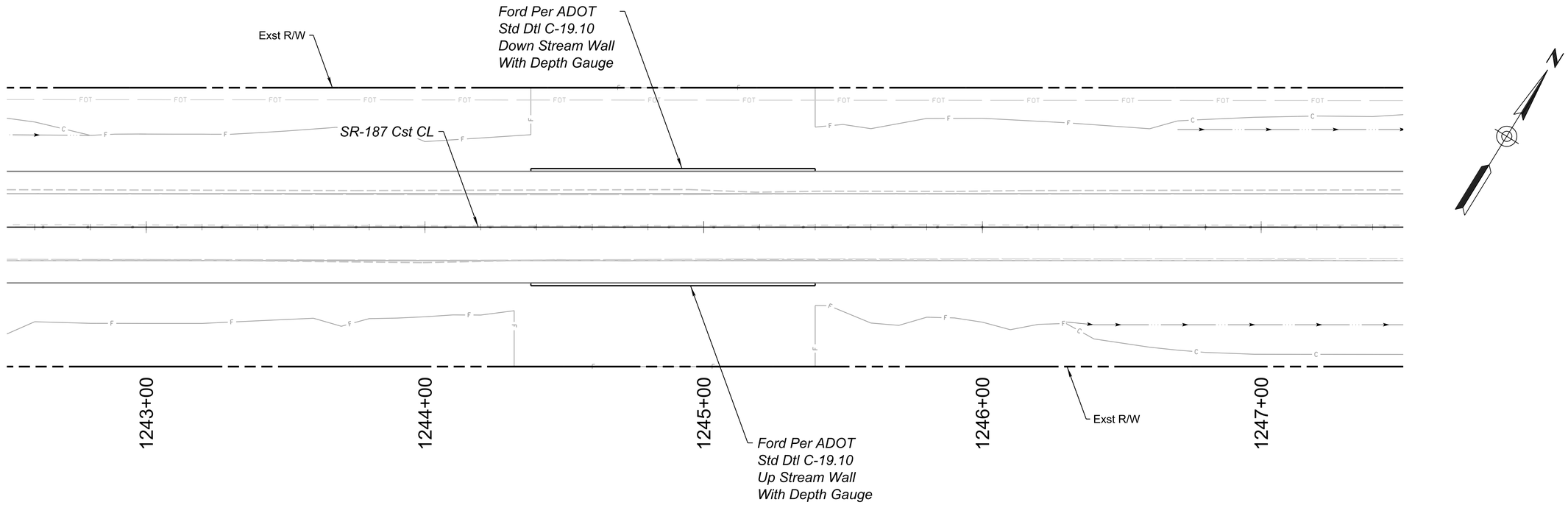
	NAME	DATE
DESIGN	EG	06/25
DRAWN	JW	06/25
CHECKED	JH	06/25

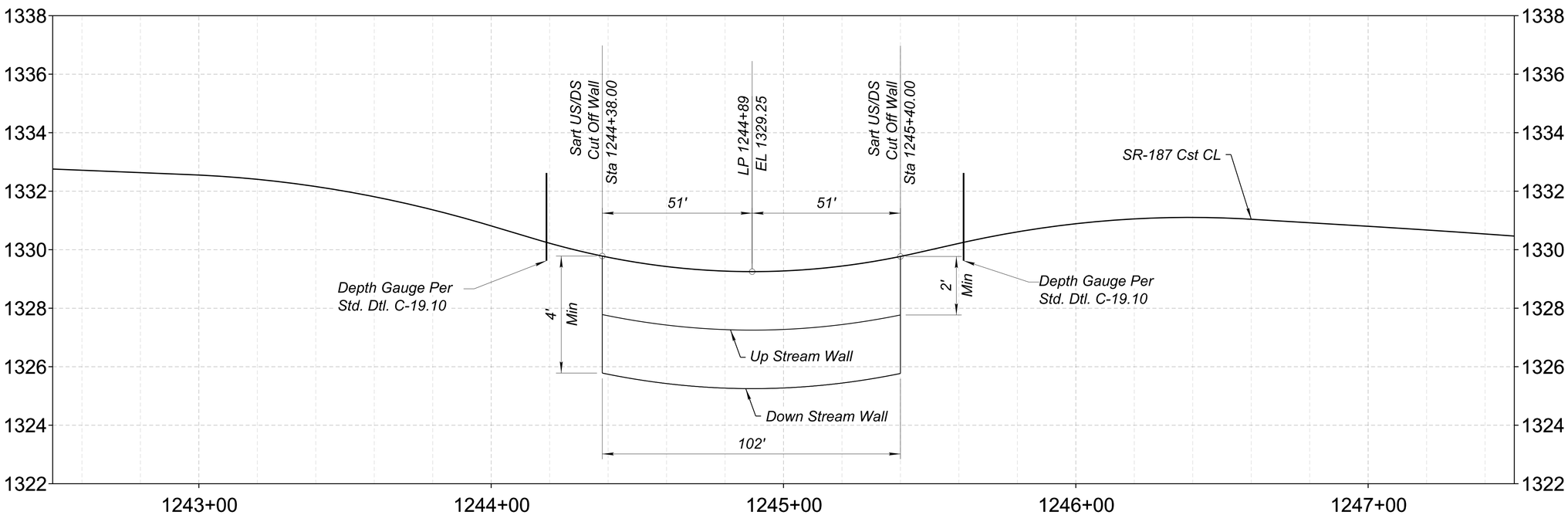
J2 Design
4649 E COTTON GIN LOOP B2 PHOENIX, AZ 85040 602.438.2221

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 LOW FLOW CROSSING
STA 1221+17

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187		ARIZ.	187 PN 186	187-A(200)T	76	160	
MILEPOST	LOCATION	SR 187: SR 387 TO SR 87					DWG NO. D-01.06
STRUCTURE NO.	TRACS NO. F0641 01C		ADOT				____ OF____





Registered Professional Engineer (Civil)
CERTIFICATE NO. 23170
JEFFREY J. HOLZMEISTER
Date Signed: 06/06/25
ARIZONA, U.S.A.

	NAME	DATE
DESIGN	EG	06/25
DRAWN	JW	06/25
CHECKED	JH	06/25

J2 Design
4649 E COTTON GIN LOOP B2 PHOENIX, AZ 85040 602.438.2221

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 LOW FLOW CROSSING
STA 1244+89

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	187 PN 186	187-A(200)T	77	160	

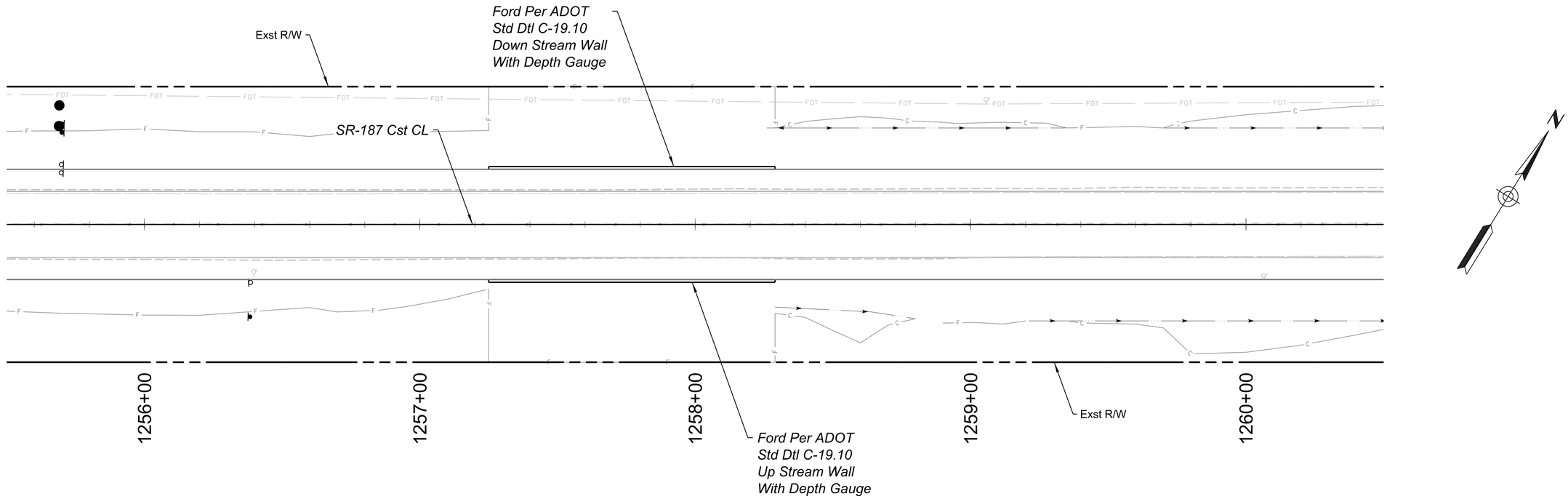
LOCATION SR 187: SR 387 TO SR 87

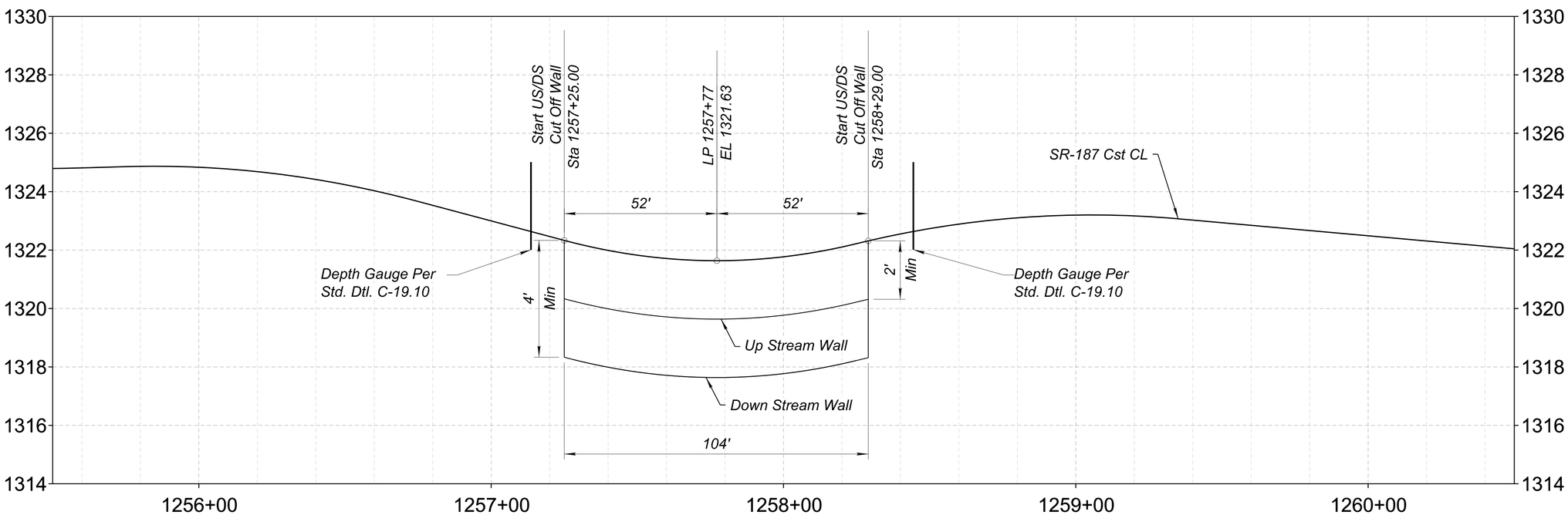
TRACS NO. F0641 01C

ADOT

DWG NO. D-01.07

____ OF____





Registered Professional Engineer (Civil)
CERTIFICATE NO. 23170
JEFFREY J. HOLZMEISTER
Date Signed: 06/06/25
ARIZONA, U.S.A.

	NAME	DATE
DESIGN	EG	06/25
DRAWN	JW	06/25
CHECKED	JH	06/25

J2 Design
4649 E COTTON GIN LOOP B2 PHOENIX, AZ 85040 602.438.2221

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 LOW FLOW CROSSING
STA 1257+77

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	187 PN 186	187-A(200)T	78	160	

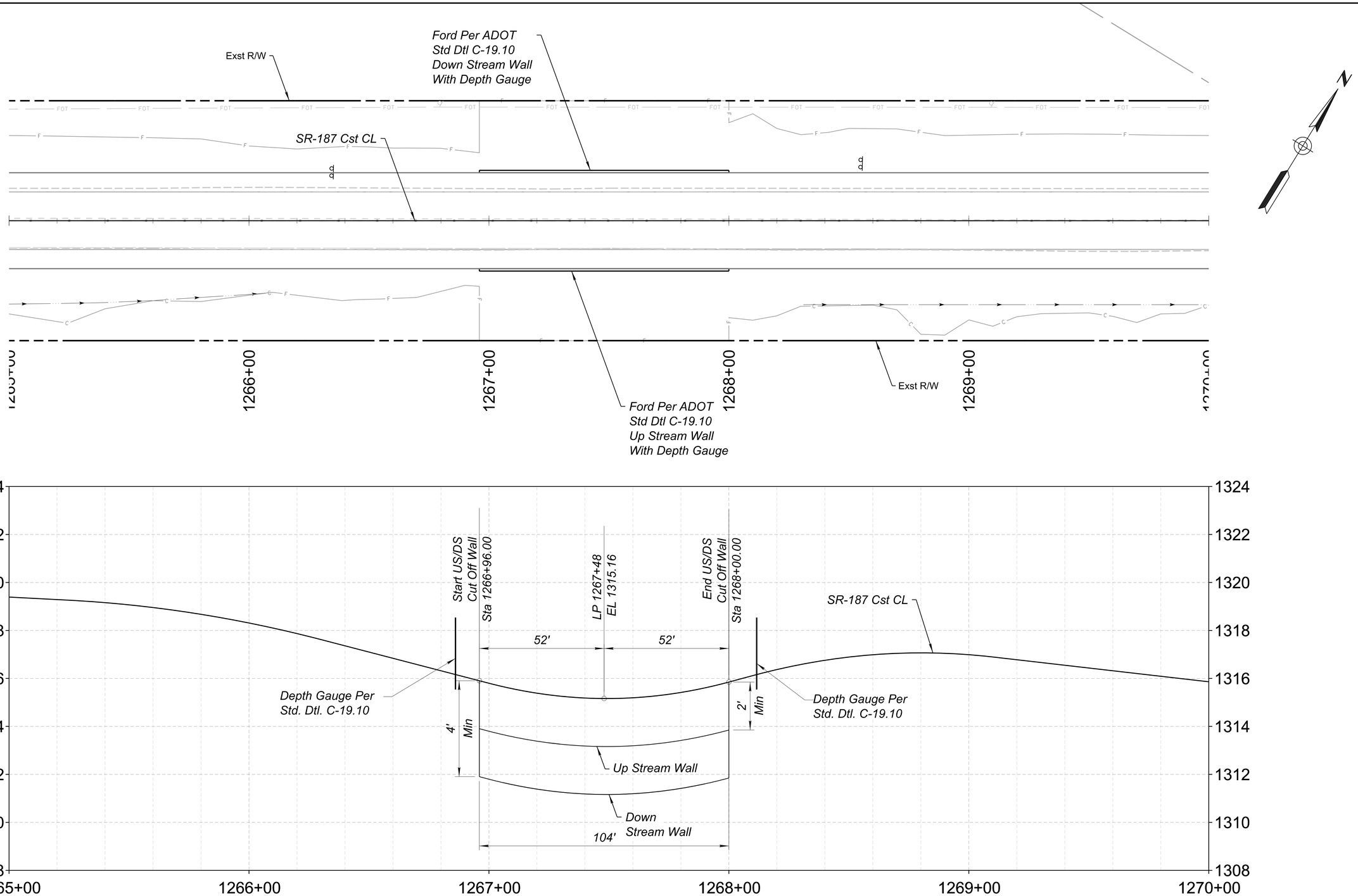
LOCATION SR 187: SR 387 TO SR 87

TRACS NO. F0641 01C

ADOT

DWG NO. D-01.08

____ OF ____



Registered Professional Engineer (Civil)
CERTIFICATE NO. 23170
JEFFREY J. HOLZMEISTER
Date Signed: 06/06/25
ARIZONA U.S.A.

	NAME	DATE
DESIGN	EG	06/25
DRAWN	JW	06/25
CHECKED	JH	06/25

J2 Design
4649 E COTTON GIN LOOP B2 PHOENIX, AZ 85040 602.438.2221

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 LOW FLOW CROSSING
STA 1267+49

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division

STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	187 PN 186	187-A(200)T	79	160	

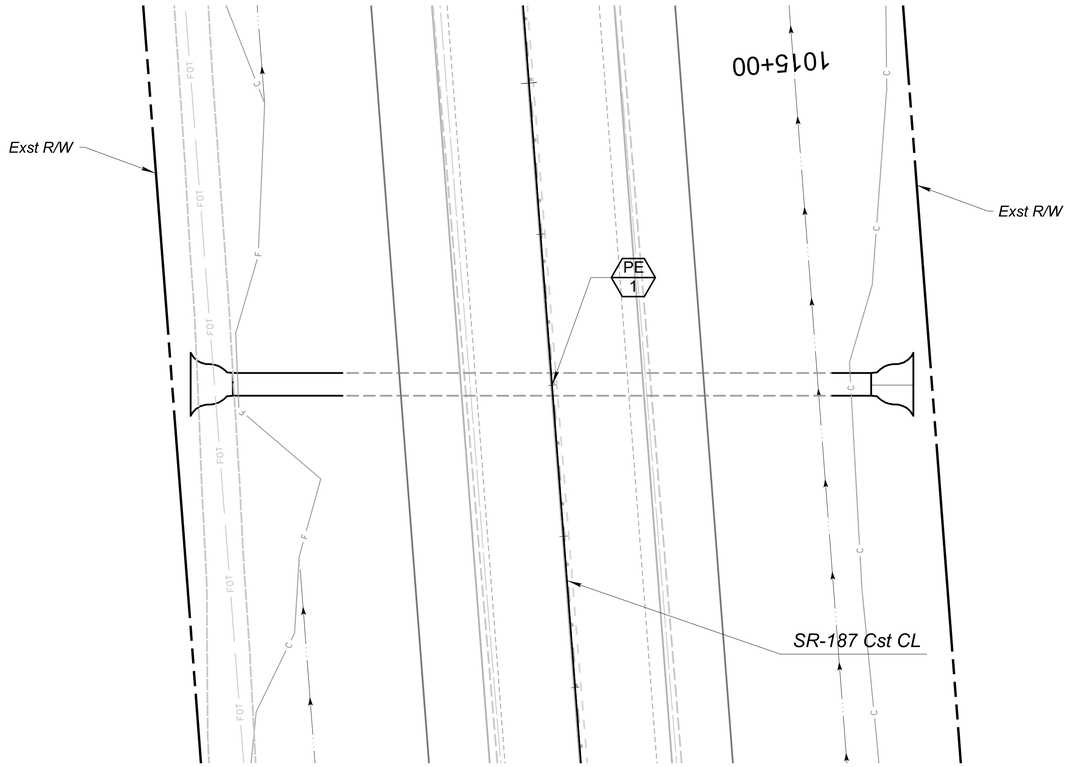
LOCATION SR 187: SR 387 TO SR 87

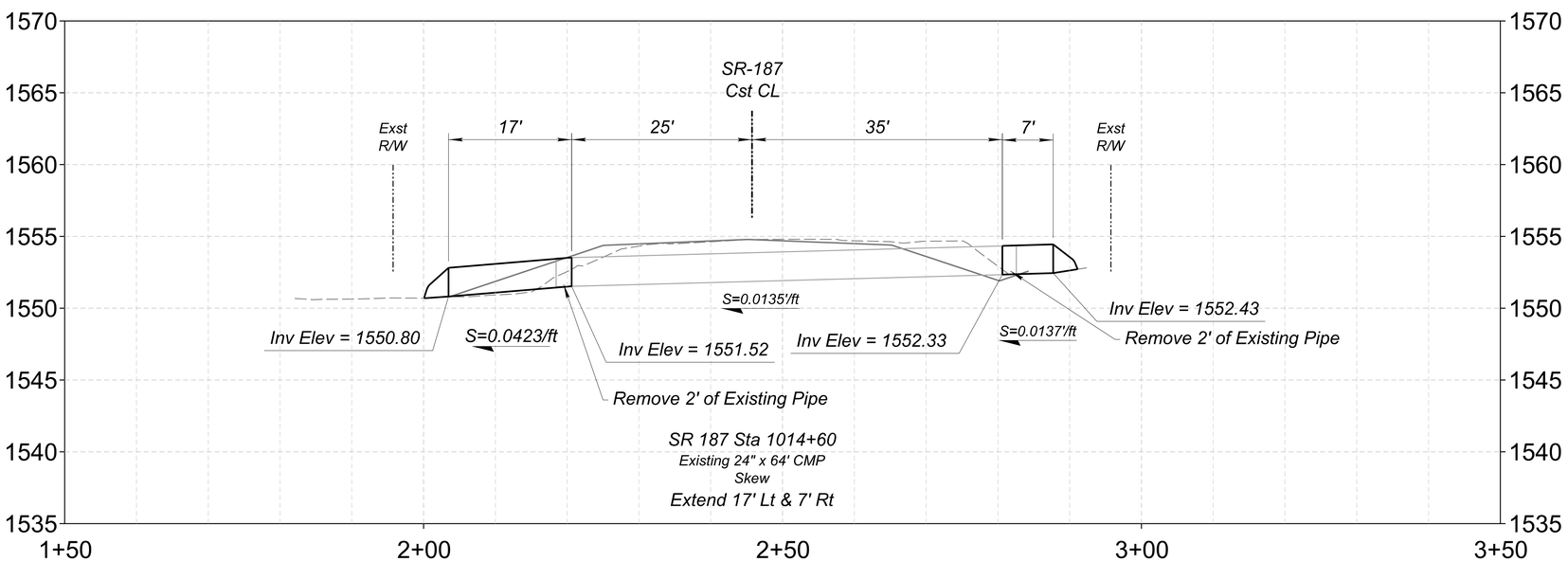
TRACS NO. F0641 01C

ADOT

DWG NO. D-01.09

____ OF____





DETAIL D01

Registered Professional Engineer (Civil)
CERTIFICATE NO.
23170
JEFFREY J.
HOLZMEISTER
Date Signed: 06/06/25
ARIZONA, U.S.A.

	NAME	DATE
DESIGN	EG	06/25
DRAWN	JW	06/25
CHECKED	JH	06/25

J2 Design
4649 E COTTON GIN LOOP B2 PHOENIX, AZ 85040 602.438.2221

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

CULVERT EXTENSION DETAIL
STA 1014+60

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	187 PN 186	187-A(200)T	80	160	

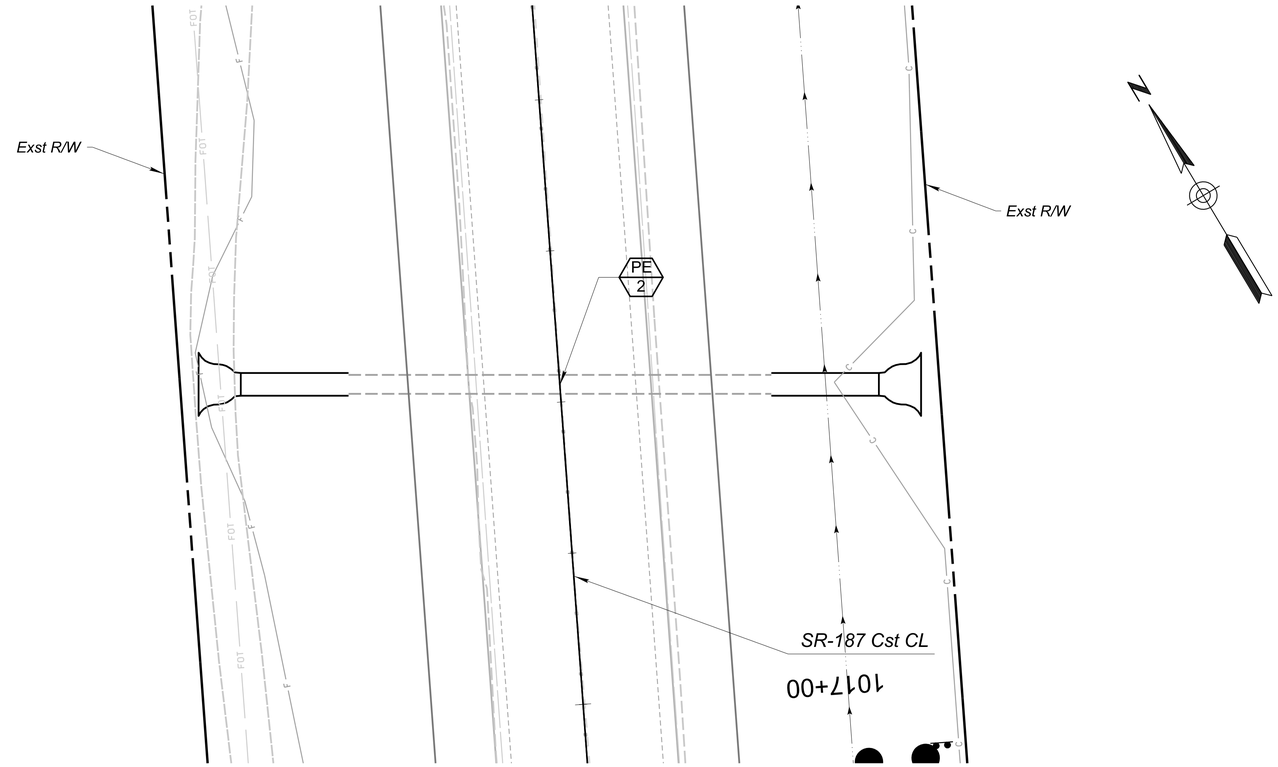
LOCATION SR 187: SR 387 TO SR 87

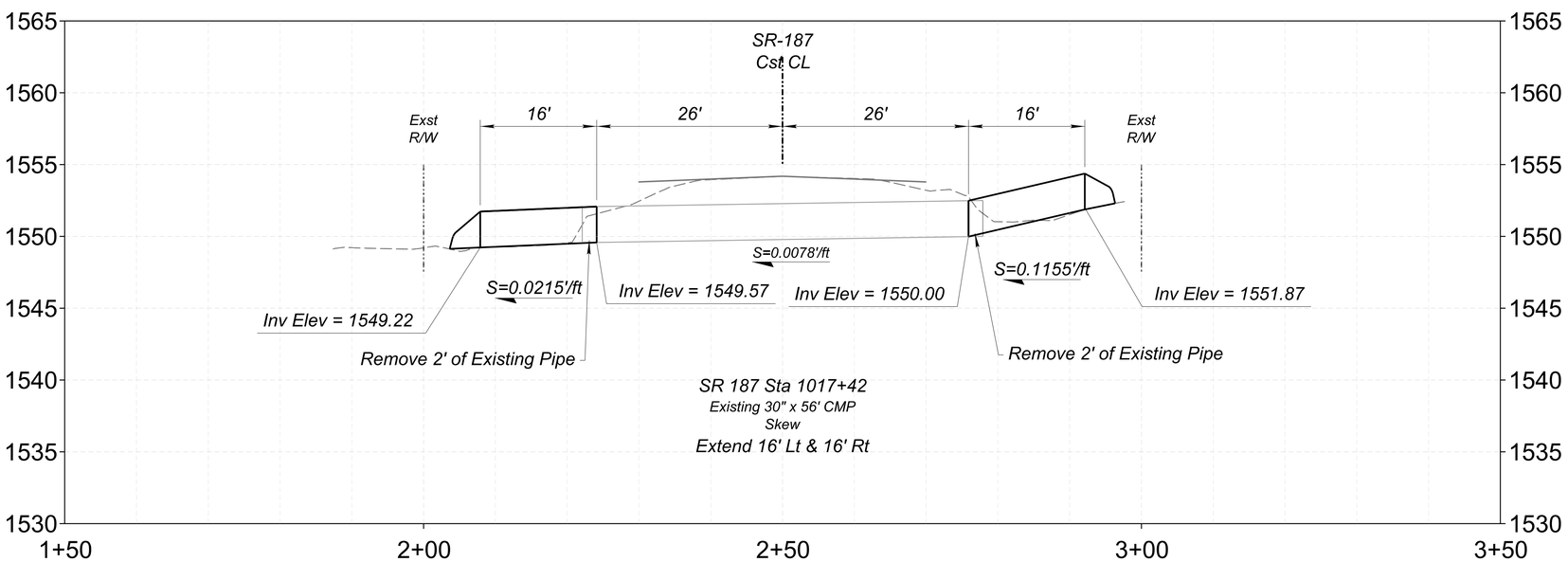
DWG NO. D-02.01

TRACS NO. F0641 01C

ADOT

____ OF____





DETAIL D02

	NAME	DATE
DESIGN	EG	06/25
DRAWN	JW	06/25
CHECKED	JH	06/25

Registered Professional Engineer (Civil) CERTIFICATE NO. 23170 JEFFREY J. HOLZMEISTER Date Signed: 06/06/25 ARIZONA, U.S.A.

J2 Design
4649 E COTTON GIN LOOP B2 PHOENIX, AZ 85040 602.438.2221

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

CULVERT EXTENSION DETAIL
STA 1017+42

ROUTE: SR-187
MILEPOST:
STRUCTURE NO.

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	187 PN 186	187-A(200)T	81	160	

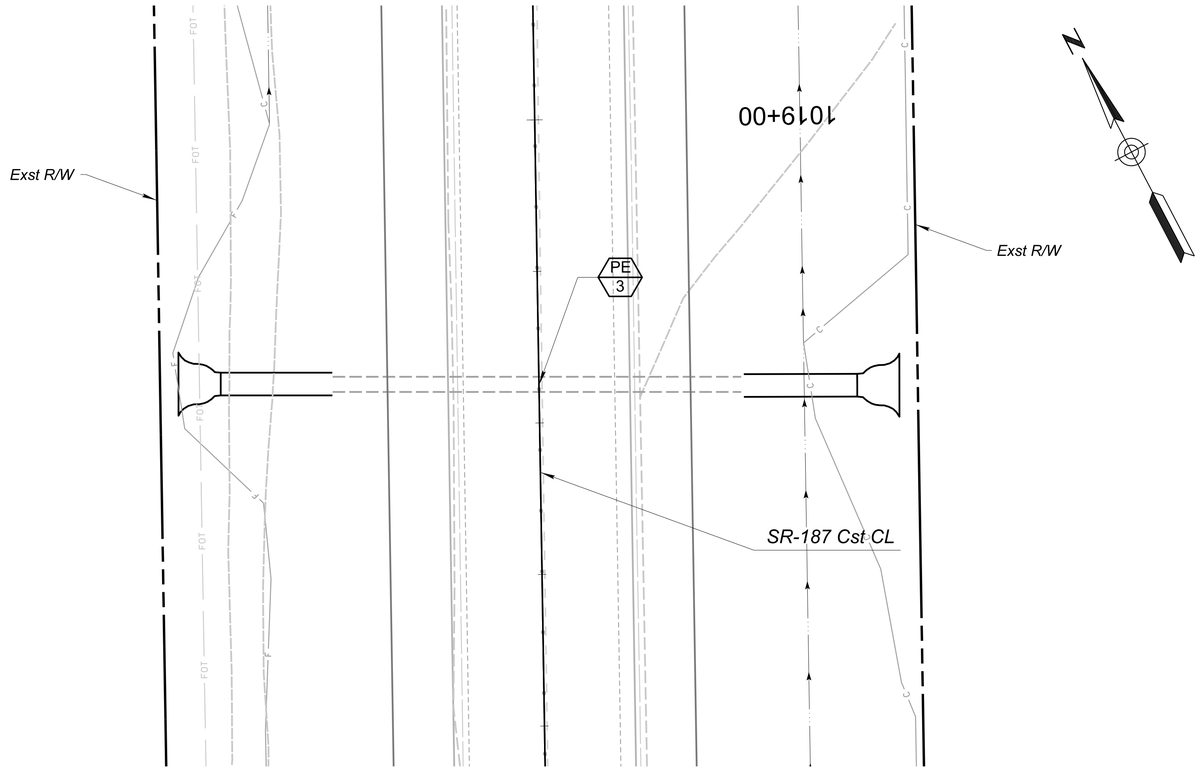
LOCATION: SR 187: SR 387 TO SR 87

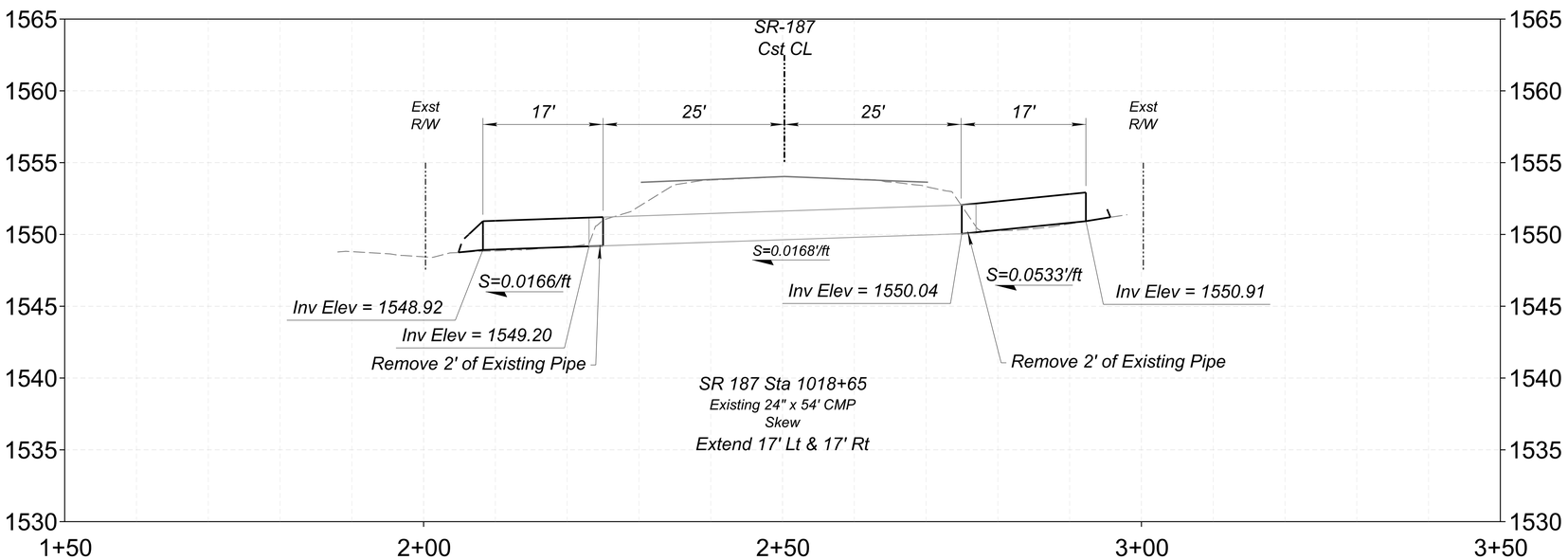
DWG NO. D-02.02

TRACS NO. F0641 01C

ADOT

____ OF ____





DETAIL D03

Registered Professional Engineer (Civil) CERTIFICATE NO. 23170 JEFFREY J. HOLZMEISTER Date Signed: 06/06/25 ARIZONA U.S.A.

	NAME	DATE
DESIGN	EG	06/25
DRAWN	JW	06/25
CHECKED	JH	06/25

J2 Design
4649 E COTTON GIN LOOP B2 PHOENIX, AZ 85040 602.438.2221

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

CULVERT EXTENSION DETAIL
STA 1018+65

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	187 PN 186	187-A(200)T	82	160	

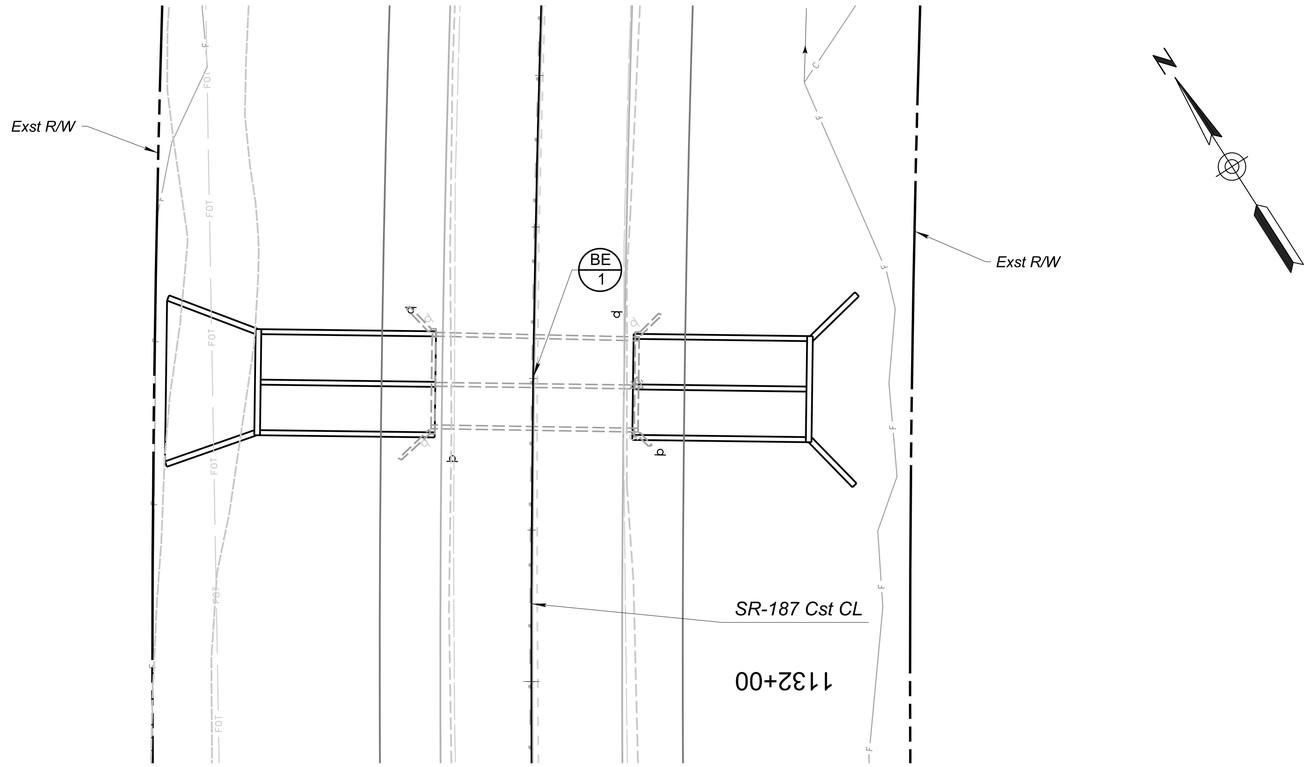
LOCATION SR 187: SR 387 TO SR 87

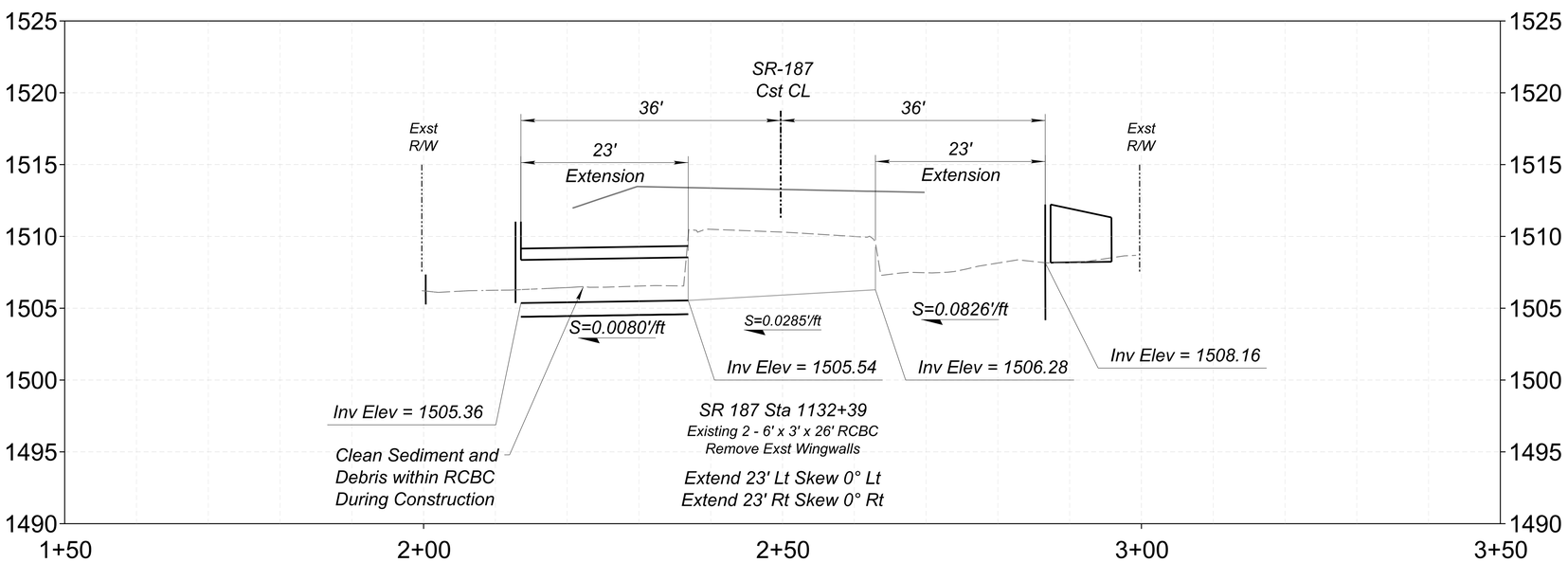
DWG NO. D-02.03

TRACS NO. F0641 01C

ADOT

___ OF ___





DETAIL D04

	NAME	DATE
DESIGN	EG	06/25
DRAWN	JW	06/25
CHECKED	JH	06/25

Registered Professional Engineer (Civil) CERTIFICATE NO. 23170 JEFFREY J. HOLZMEISTER Date Signed: 06/06/25 ARIZONA, U.S.A.

J2 Design
4649 E COTTON GIN LOOP B2 PHOENIX, AZ 85040 602.438.2221

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

CULVERT EXTENSION DETAIL
STA 1132+39

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	187 PN 186	187-A(200)T	83	160	

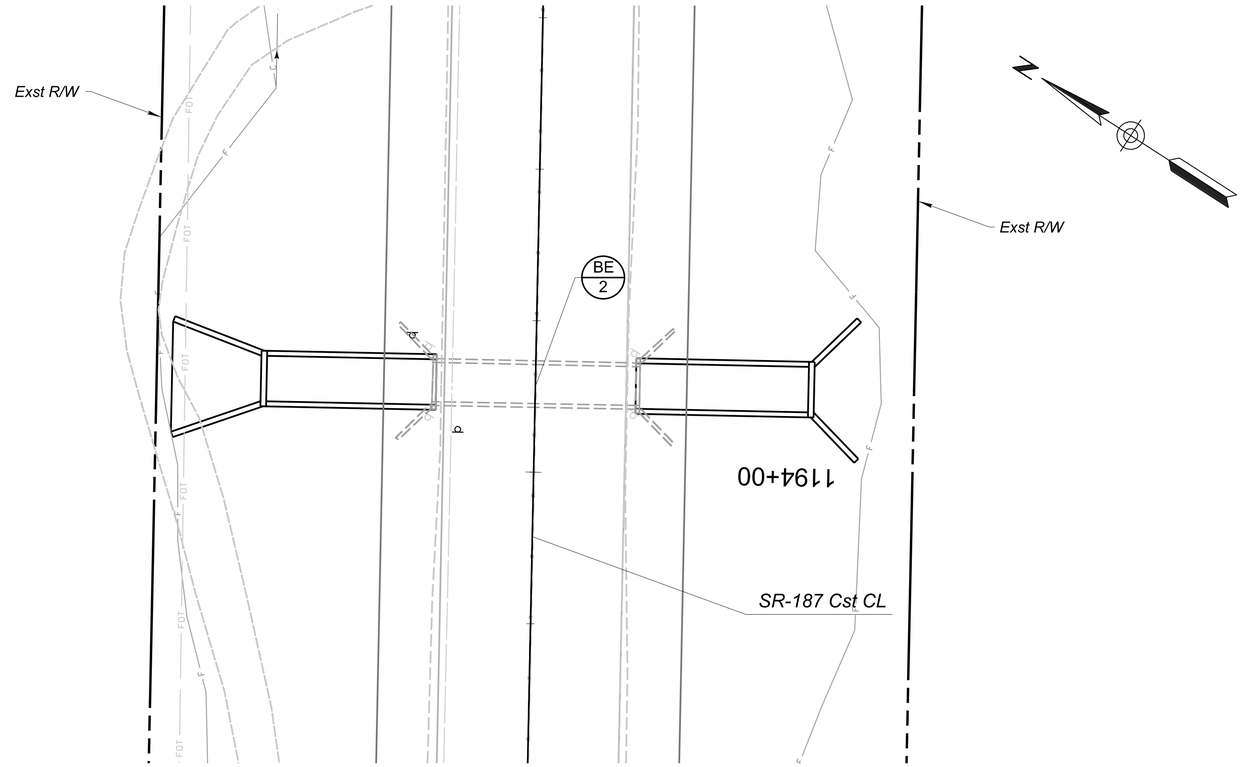
LOCATION SR 187: SR 387 TO SR 87

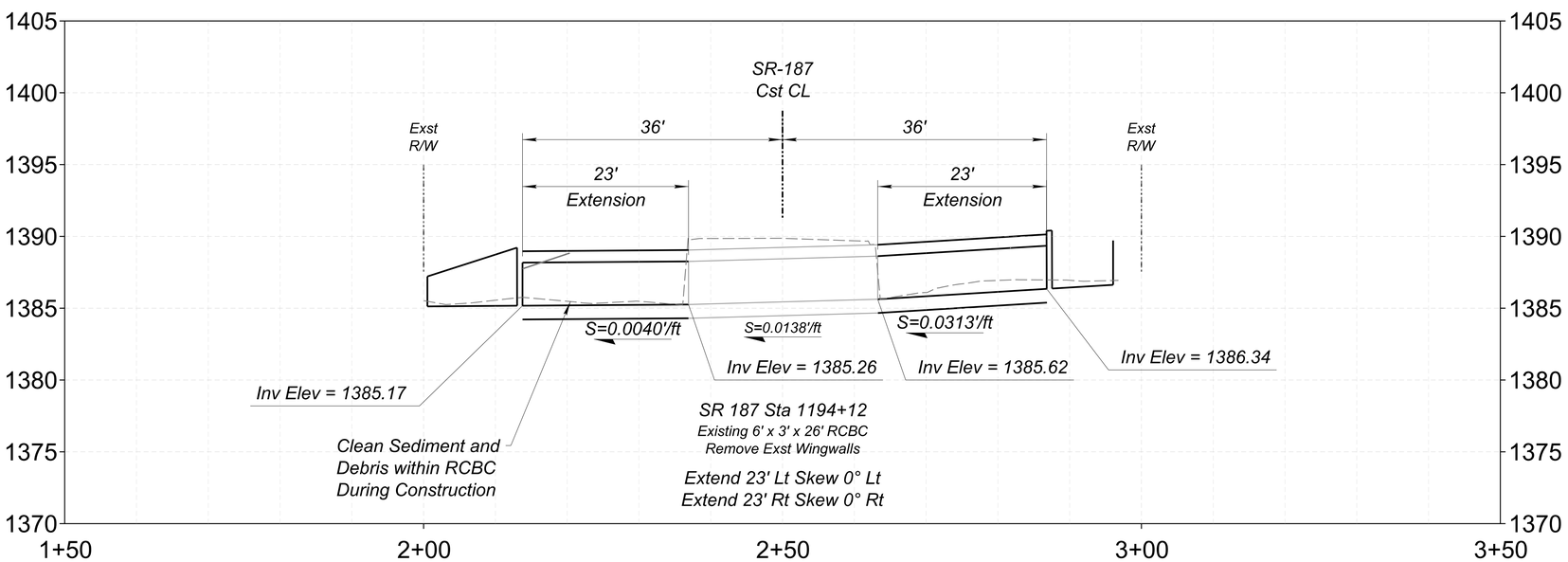
DWG NO. D-02.04

TRACS NO. F0641 01C

ADOT

____ OF____





DETAIL D05

Registered Professional Engineer (Civil) CERTIFICATE NO. 23170 JEFFREY J. HOLZMEISTER Date Signed: 06/06/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	EG	06/25
DRAWN	JW	06/25
CHECKED	JH	06/25

J2 Design
4649 E COTTON GIN LOOP B2 PHOENIX, AZ 85040 602.438.2221

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

CULVERT EXTENSION DETAIL
STA 1194+12

ROUTE: SR-187
MILEPOST:
STRUCTURE NO.

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	187 PN 186	187-A(200)T	84	160	

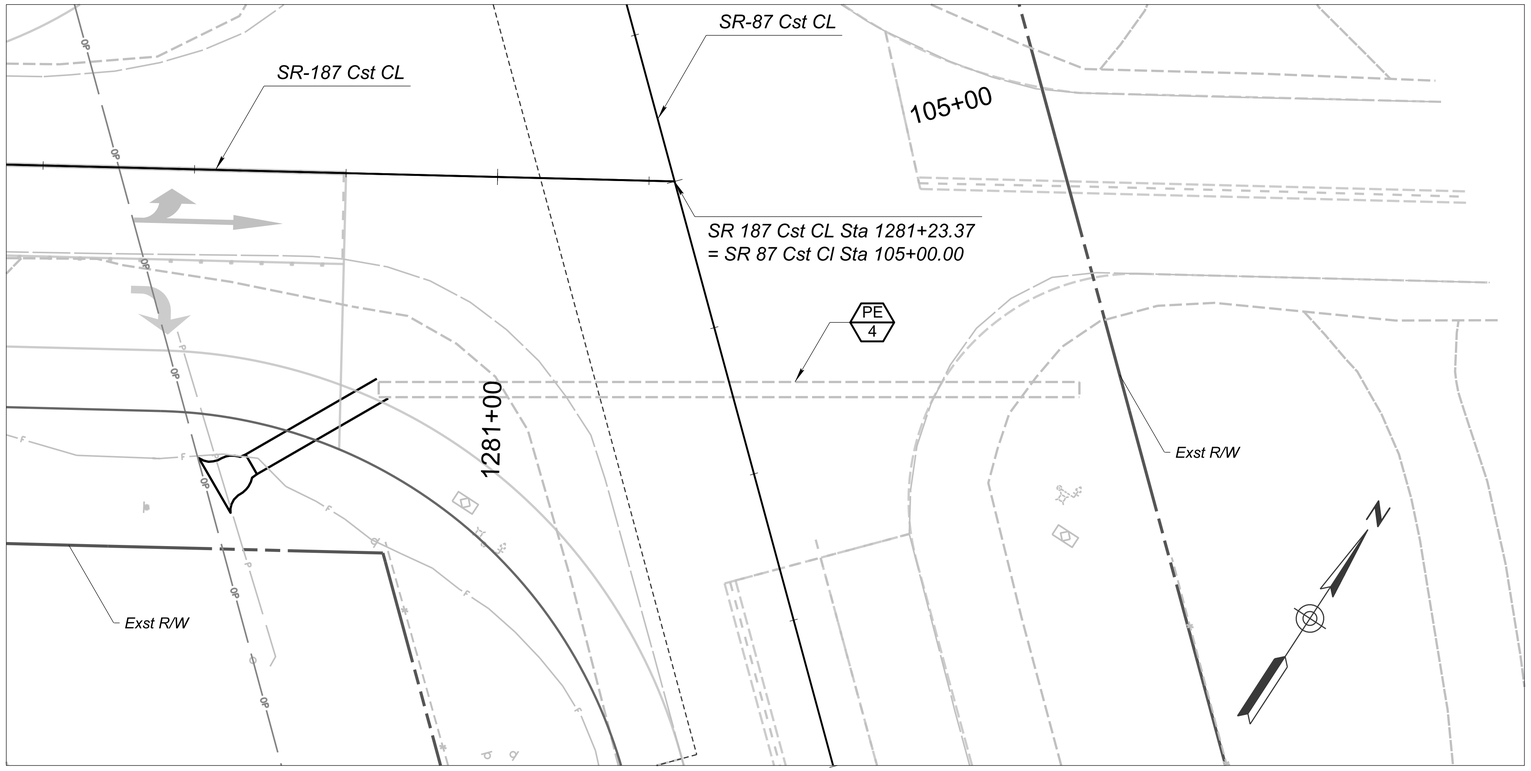
LOCATION: SR 187: SR 387 TO SR 87

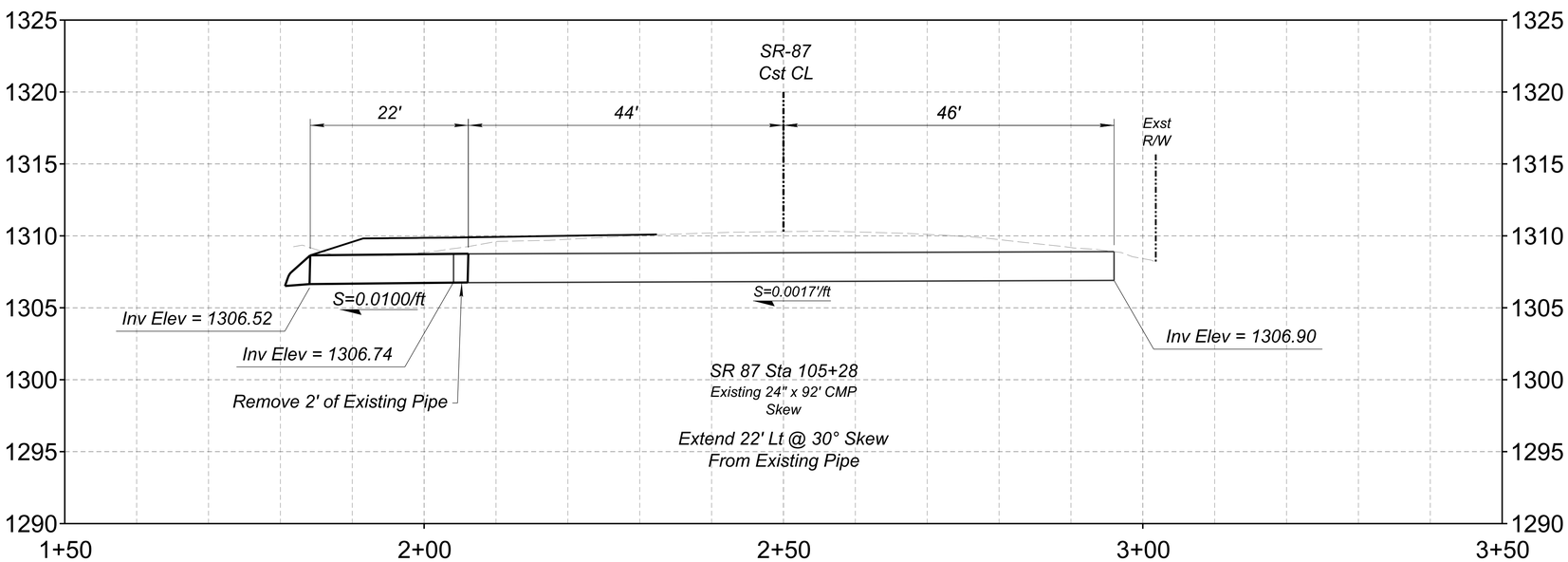
TRACS NO. F0641 01C

ADOT

DWG NO. D-02.05

____ OF____





DETAIL D06

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40664 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

CULVERT EXTENSION DETAIL
STA 105+28

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187		ARIZ.	187 PN 186	187-A(200)T	85	160	
MILEPOST	LOCATION	SR 187: SR 387 TO SR 87					DWG NO. D-02.06
STRUCTURE NO.	TRACS NO. F0641 01C		ADOT				___ OF___

3:01:26 PM 6/5/2025 RJNelson c:\users\rjnelson\appdata\local\bentley\projectwise\wci_projects\d0775547\F0641_Drainage-PipeExtension06.dgn

TRAFFIC CONTROL GENERAL NOTES:

1. *The traffic control plans represent a suggested method for traffic control during construction. The contractor may prepare alternate traffic control plans in accordance with Section 701 of the Specifications. All traffic control plans are subject to approval of the engineer before beginning construction. The contractor shall submit this plan to allow at least two weeks for review and approval in advance of construction.*

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

3. *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 the contractor's expense. The contractor shall replace any signs damaged by the contractor at the Contractor's expense.*

4. *All signing, pavement marking, barrier, barricades, and road closures shall be in accordance with Section 701 of Specifications, Special Provisions, the manual on Uniform Traffic Control Devices (MUTCD) (2009 Edition), and the ADOT Supplement to the MUTCD.*

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

6. *The retroreflective sheeting on all orange signs and delineation for impact attenuators shall meet the criteria established for Type VIII, IX, or XI sheeting in accordance with ASTM D4956, except all black-on-white signs, barricades, vertical panels, and other work zone traffic control devices may have Type IV sheeting. All orange signs shall have fluorescent sheeting.*

7. *All signs shown on the plans shall be mounted on embedded posts, except as otherwise indicated. For signs installed on embedded posts, sign mounting height is a minimum 7 feet as measured from the bottom of the sign to the near edge of the pavement. All other short-term signs may be installed on portable stands at least 5 feet above the pavement.*

8. *The nearest edge or corner of a sign shall be approximately 12 feet from the nearest edge of pavement, 6 feet behind guardrail, or 2 feet behind concrete barrier for all signs mounted on embedded posts.*

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

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

11. *During nighttime the contractor shall utilize only Type I or Type 2 barricades for channelizing devices. The Engineer may allow the contractor to substitute vertical panels on tangents, but not in tapers or along curves.*

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

13. *Type C steady-burning yellow lights shall be mounted on every Type 1 or Type 2 barricade, or vertical panel used for channelization during nighttime activities.*

14. *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.*

15. *Temporary striping shall be standard waterborne paint. The pavement temperature must be at least 60 degrees F or higher when the temporary paint is applied to the pavement. The contractor shall not use chip seal markers for temporary pavement markings.*

16. *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 pavement markings. The Roadway surface shall be dry.*

17. *The contractor shall remove the existing pavement markers in connection with the construction activities. There shall be no measurement or payment for the removal of existing pavement markers, the cost included in the cost of contract items.*

18. *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.*

19. *When no longer required, temporary pavement markings shall be removed.*

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

21. *The contractor shall supply and maintain changeable message boards as directed by the Engineer for the duration of the work for lane closures.*

22. *Signing for double fines in work zones, when allowed by the Engineer, shall generally conform to Figure SA-12 of the ADOT Traffic Control Design Guidelines. Such signing shall only be in place during working periods when workers are present in accordance with the guidelines for signing for double fines in work zones.*

23. *New sections of completed roadway shall not be opened to traffic until approved by the Engineer.*

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

25. *Off-duty uniformed officers and their vehicle shall be included as part of the contractor's traffic control when the Engineer decides they should be present, including during the installation of temporary striping and all other traffic control devices.*

26. *Temporary pavement markings shall be placed after each pavement lift.*

27. *All lanes open to traffic shall be a minimum 11-foot width.*

28. *The contractor shall install Changeable Message Board as directed by the Engineer. The message shall be that the entire message can be read twice at operation speed from no further than 650 feet. The contractor shall locate the Changeable Message Board just off the pavement roadway in compliance with clear zone requirements or as directed by the Engineer. The Engineer will determine the message on the Changeable Message Board to coincide with construction activities. Changeable Message Board shall be in place at least 7 days prior to construction activity.*

29. *At night, on weekends, on holidays, and as directed by the Engineer, the contractor shall maintain a minimum of one lane in each direction on SR-187.*

30. *The contractor shall provide flagger and uniformed officers as directed by the Engineer during installation and removal of temporary concrete barrier.*

31. *The Contractor shall inventory all signs to be removed and reinstalled or covered, and note damaged signs to the Engineer at the time of covering or removal. All signs damaged by covering, removal, or reinstallation shall be replaced by the Contractor at the Contractor's expense.*

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

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40884 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

TRAFFIC CONTROL GENERAL NOTES

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187		ARIZ.	187 PN 186	187-A(200)T	86	160	
MILEPOST	LOCATION	SR 187: SR 387 TO SR 87					DWG NO. T-01.01
STRUCTURE NO.	TRACS NO. F0641 01C		ADOT				___ OF___

MAINTENANCE OF TRAFFIC

ACTIVITY NO.	CONSTRUCTION ACTIVITY	TRAFFIC CONTROL	COMMENTS
1	Long-Term Advance Warning Changeable Message Boards (CMB).	Provide long-term CMB per Detail TCP01. Place CMB 7 Calendar Days Before Construction Begins. Provide Truck Mounted Attenuator (TMA) for installing and removing advance warning signs. Install advance warning signs on Casa Grande Road per Detail TCP05.	Signs are to remain in place for the duration of the project.
2	Extend Culverts at Sta 1014+60, Sta 1017+42, and Sta 1018+65. Extend Box Culvert at Sta 1132+39, and Sta 1194+12.	Close shoulders, use traffic control with temporary concrete barrier (TCB) per Detail TCP02.	Maintain two way traffic on SR 187. Maintain lane widths of 11' (min.). Protect work zone with temporary concrete barrier. Remove temporary concrete barrier at the completion of work.
3	SR 187 NB/SB Travel Lane (MP 186.79 - MP 188.20) SR 187 NB/SB Outside Shoulder (MP 186.79 - MP 188.20) Construct Loop Detector - MP 188.20 (Speed/Classification)	Utilize pilot car for paving operations on each side of the road work zone. (1.4 miles long) per Detail TCP03.	Maximum delay shall not exceed 15 minutes for each direction of travel. Maintain lane width of 11' (min.).
4A	SR 187 NB/SB Travel Lane (MP 188.20 - MP 188.70) SR 187 Turn Lane (MP 188.43 - MP 188.70) SR 187 NB/SB Outside Shoulder (MP 188.20 - MP 188.70) Construct Casa Grande Road Tie-In	Utilize pilot car for paving operations on each side of the road work zone. (1.4 miles long) per Detail TCP03 and TCP05.	Maximum delay shall not exceed 15 minutes for each direction of travel. Maintain lane width of 11' (min.). Casa Grande Road: Build half street at a time and maintain traffic.
4B	SR 187 NB/SB Travel Lane (MP 188.70 - MP 189.60) SR 187 NB/SB Outside Shoulder (MP 188.70 - MP 189.60)	Utilize pilot car for paving operations on each side of the road work zone. (1.4 miles long) per Detail TCP03.	Maximum delay shall not exceed 15 minutes for each direction of travel. Maintain lane width of 11' (min.).
5	SR 187 NB/SB Travel Lane (MP 189.60 - MP 191.00) SR 187 NB/SB Outside Shoulder (MP 189.60 - MP 191.00) Bridge Rehabiliation and Install Guardrail.	Utilize pilot car for canal bridge work and paving operations on each side of the road work zone. (1.4 miles long) per Detail TCP03.	Maximum delay shall not exceed 15 minutes for each direction of travel. Maintain lane width of 11' (min.).
6	SR 187 NB/SB Travel Lane (MP 191.00 - MP 192.19) SR 187 NB/SB Outside Shoulder (MP 191.00 - MP 192.19)	Utilize pilot car for paving operations on each side of the road work zone. (1.4 miles long) per Detail TCP03.	Maximum delay shall not exceed 15 minutes for each direction of travel. Maintain lane width of 11' (min.).
7	SR 87 SB Construct Right Turn Lane SR 187 NB Construct Right Turn Lane SR87 at SR 187 Traffic Signal. Excavate, grade and place cabinet foundation and cabinet. Extend conduits and install junction boxes. Install signal pole foundations, poles and mast arms, and signal heads and accessories. Relocate flasher pole foundation and equipment.	Close shoulders, use traffic control per Detail TCP04.	Maintain two way traffic on SR 87. Maintain lane width of 11' (min.).
8	Painted markings on the final surface course on SR 87 and SR 187. A minimum of 30 calendar days after placing painted markings, place permanent theroplastic markings over painted markings and install raised pavement markers.	Mobile striping operation per Figure SA-19 of the ADOT Traffic Control Design Guide.	Install striping one lane at a time. Provide truck mounted attenuator shadow vehicle equpped with arrow panel in caution mode.
9	Permanent theroplastic markings on SR 87 and SR 187 and Seeding.	Mobile striping operation per Figure SA-19 of the ADOT Traffic Control Design Guide.	Install striping one lane at a time. Provide truck mounted attenuator shadow vehicle equpped with arrow panel in caution mode.

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40854 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

MAINTENANCE OF TRAFFIC

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division

STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	187 PN 186	187-A(200)T	87	160	

LOCATION SR 187: SR 387 TO SR 87

DWG NO. T-01.02

TRACS NO. F0641 01C

ADOT

___ OF ___

TRAFFIC CONTROL QUANTITIES

BID ITEM NO.	ELEMENTS OF WORK	UNIT	ACTIVITY 1	ACTIVITY 2	ACTIVITY 3	ACTIVITY 4	ACTIVITY 5	ACTIVITY 6	ACTIVITY 7	ACTIVITY 8	ACTIVITY 9	TOTAL QTYS
		DAYS *	175 *	24	18	18	18	18	25	2	2	
7015010	TEMPORARY CONCRETE BARRIER (INSTALLATION AND REMOVE)	L.FT.		3250					1730			4980
7015020	TEMPORARY IMPACT ATTENUATORS (INSTALLATION & REMOVAL)	EACH		12					2			14
7016020	TEMPORARY CONCRETE BARRIER (IN USE)	L.FT.-DAY		72240					59150			114490
7016021	TEMPORARY IMPACT ATTENUTION DEVICE (IN USE)	EACH-DAY		288					70			338
7016030	BARRICADE (TYPE 1, TYPE 2, VERT.PANEL, TUBULAR MARKER)	EACH-DAY	10500	1536	4118	4118	4118	3644	575			28609
7016031	BARRICADE (TYPE 3, HIGH LEVEL FLAG TREE)	EACH-DAY			72	72	72	72				288
7016033	PORTABLE SIGN STAND (SPRING TYPE)	EACH-DAY		1008	432	387	432	432	475			3166
7016035	WARNING LIGHT (TYPE A)	EACH-DAY		1008	306	290	306	306	475			2691
7016037	WARNING LIGHT (TYPE C)	EACH-DAY	10500	2670	4118	4118	4118	3644	325			29493
7016050	TRUCK-MOUNTED ATTENUATOR	EACH-DAY								2	2	4
7016051	TEMPORARY SIGN (LESS THAN 10 S.F.)	EACH-DAY			126	126	126	126				504
7016052	TEMPORARY SIGN (10 S.F. OR MORE)	EACH-DAY		1008	324	300	324	324	665	2	2	2949
7016061	FLASHING ARROW PANEL	EACH-DAY			18	18	18	18		2	2	76
7016067	CHANGEABLE MESSAGE BOARD (CONTRACTOR FURNISHED)	EACH-DAY	1050									1050
7016071	PILOT VEHICLE WITH DRIVER	HOUR			216	216	216	216				864
7016075	FLAGGING SERVICES (CIVILIAN)	HOUR			432	432	432	432				1728
7016079	FLAGGING SERVICES (UNIFORMED OFFICER)	HOUR			432	432	432	432	500			2228
7080203	WATERBORNE-TYPE I PAVEMENT MARKING (PAINT)(WHITE OR YELLOW)	L.FT.			2772	2772	2772	2377				10693

** All durations are in working days except for Activity 1 which is in calendar days.*

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40854 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

TRAFFIC CONTROL QUANTITIES

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division

STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	187 PN 186	187-A(200)T	88	160	

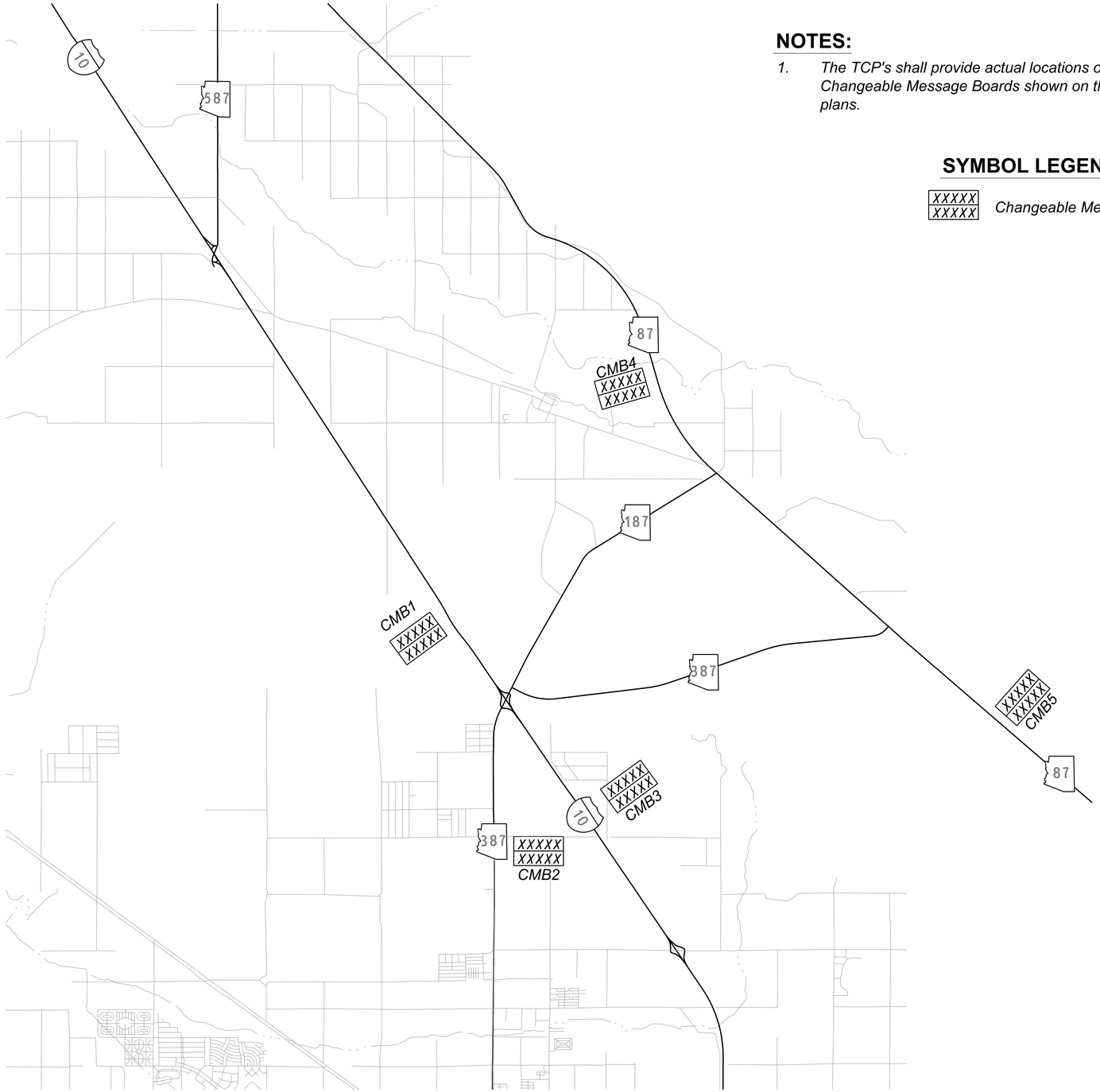
LOCATION SR 187: SR 387 TO SR 87

DWG NO. T-01.03

TRACS NO. F0641 01C

ADOT

____ OF ____



NOTES:

1. *The TCP's shall provide actual locations of the Changeable Message Boards shown on these plans.*

SYMBOL LEGEND:

XXXXX / XXXXX *Changeable Message Board*

CHANGEABLE MESSAGE BOARD (CMB) SUGGESTED MESSAGES PRIOR TO WORK:

SR 187 ROAD WK "DATE"	EXPECT DELAYS

DETAIL TCP01

CHANGEABLE MESSAGE BOARD

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40854 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

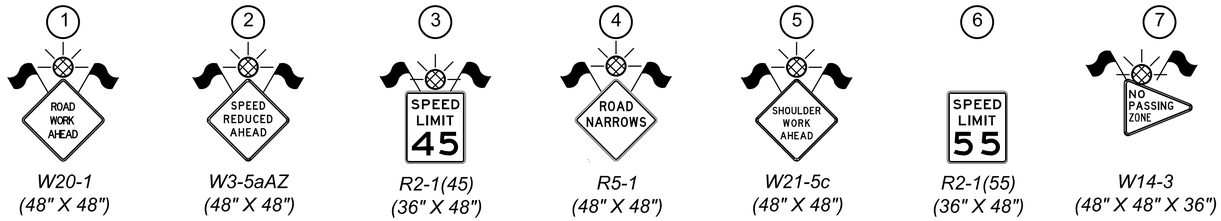
WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

TRAFFIC CONTROL
DETOUR ROUTES

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187		ARIZ.	187 PN 186	187-A(200)T	89	160	
MILEPOST	LOCATION	SR 187: SR 387 TO SR 87					DWG NO. T-01.04
STRUCTURE NO.	TRACS NO. F0641 01C	ADOT					____ OF____

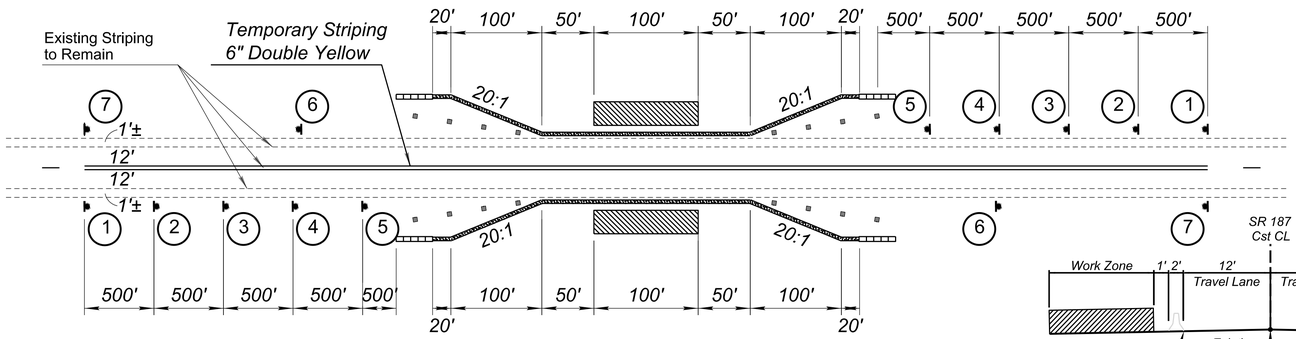
SIGN LEGEND:

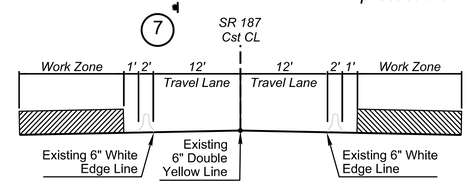


SYMBOL LEGEND:

- Work Area
- Sign on Spring Stand
- Channelizing Device with Type C Steady Burn Light
- Sign on Embedded Post(s)
- Temporary Concrete Barrier
- Type A Flashing Light
- Flags
- Temporary Impact Attenuator

Culvert #	Station
PE 1	Sta 1014+60
PE 2	Sta 1017+42
PE 3	Sta 1018+65
BE 1	Sta 1132+39
BE 2	Sta 1194+12





TYPICAL SECTION

NOTES:

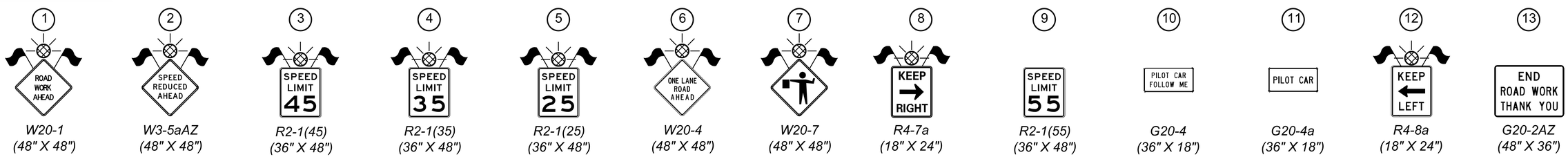
1. For setups off the roadway, the contractor shall ensure the earthen material or aggregate base under the temporary concrete barrier, and between the barrier and the roadway is 10:1 or flatter. The cost for furnishing and constructing the fill material shall be considered as included in the price of the contract item.

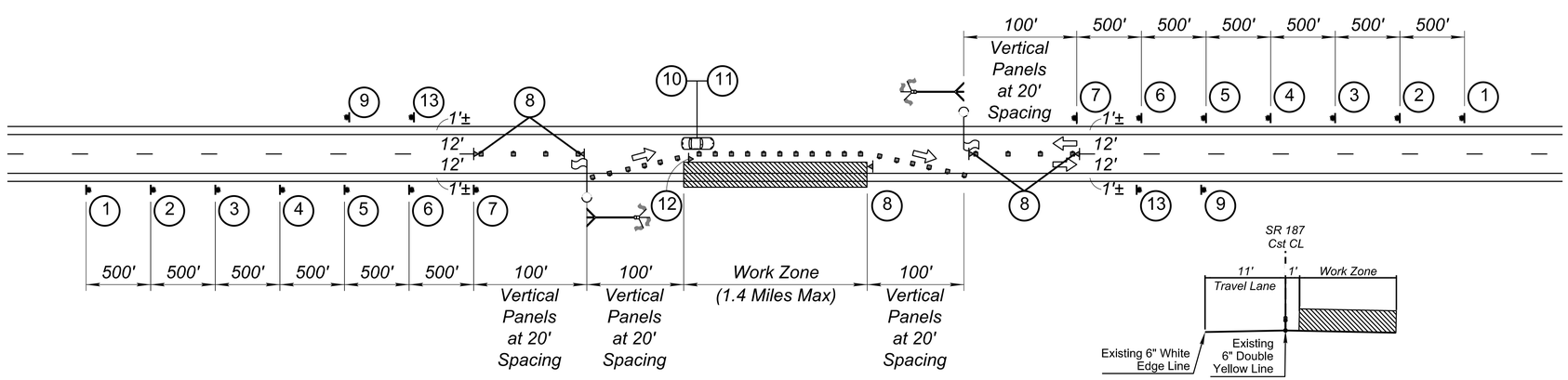
2. *Temporary concrete barrier shall not be installed earlier than needed or removed later than needed to protect the work done within the clear zone. No "in-use" cost will be paid for unneeded barrier.*

DETAIL TCP02

FOR CULVERT EXTENSIONS

SIGN LEGEND:





TYPICAL SECTION

SYMBOL LEGEND:

- Work Area
- Sign on Spring Stand
- Channelizing Device with Type C Steady Burn Light
- Pilot Car With Signs
- Direction of Travel
- Sign on Embedded Post(s)
- Type A Flashing Light
- Flags
- High Level Flag Tree With Type "B" High Intensity Flashing Light
- Flagger

DETAIL TCP03

PAVING OPERATIONS

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40884 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

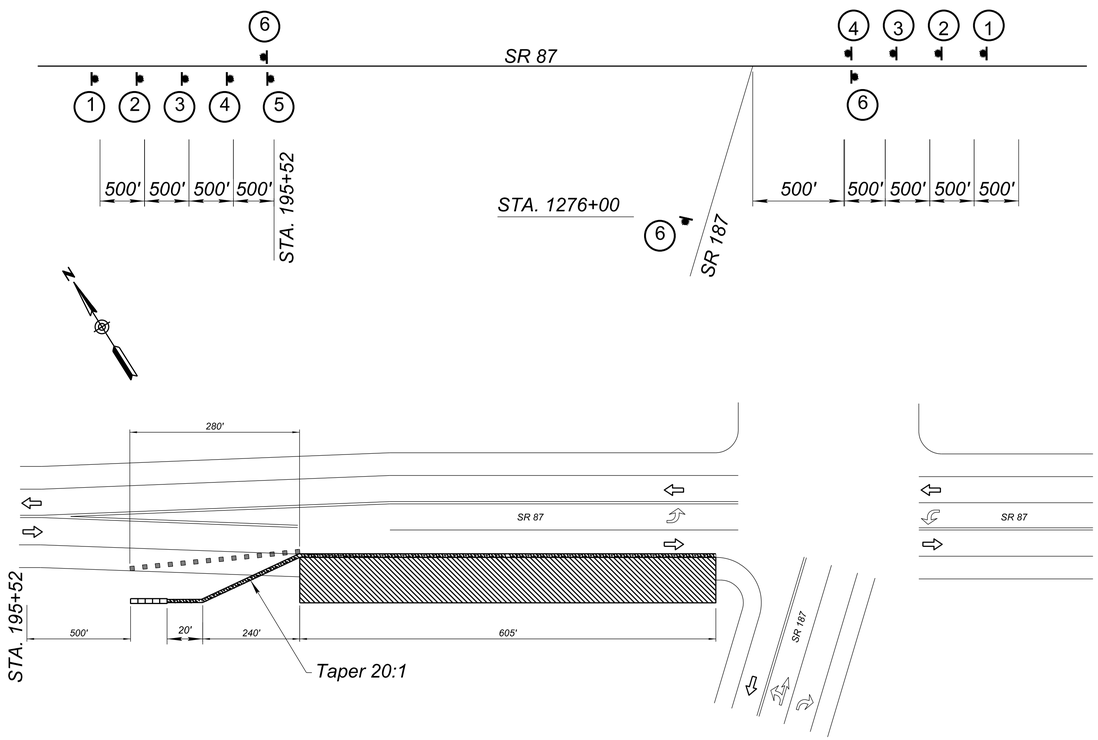
WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

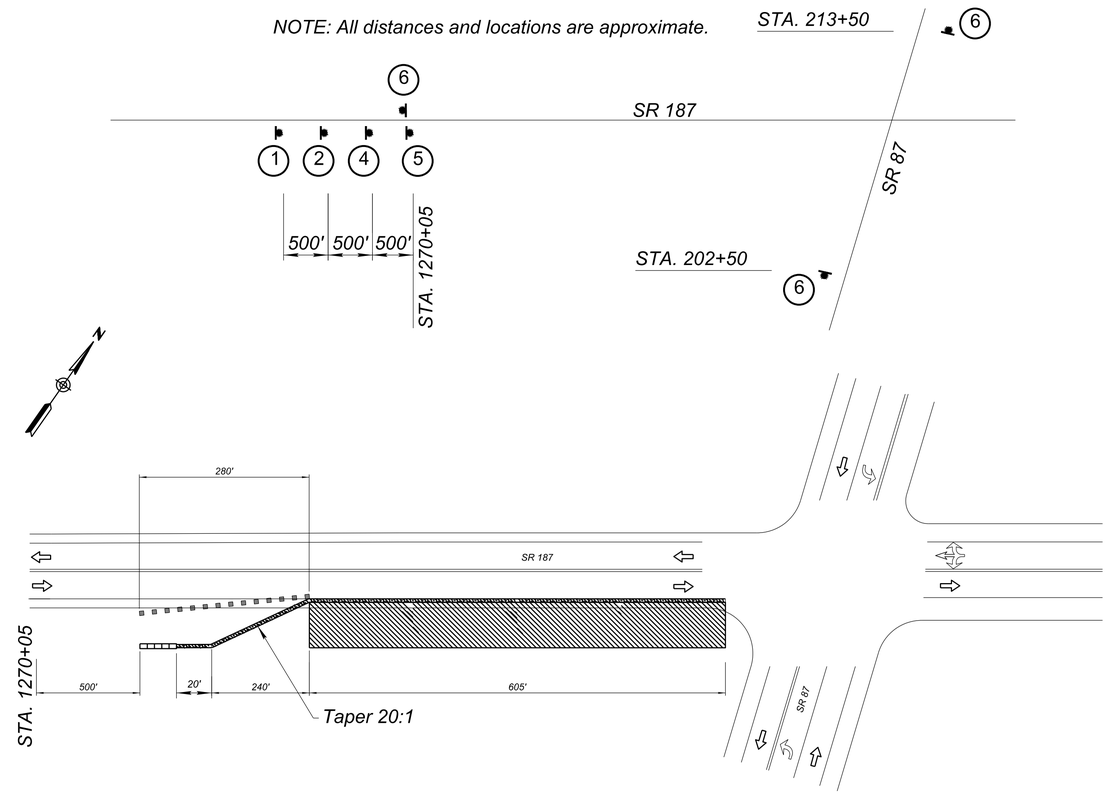
TRAFFIC CONTROL DETAILS

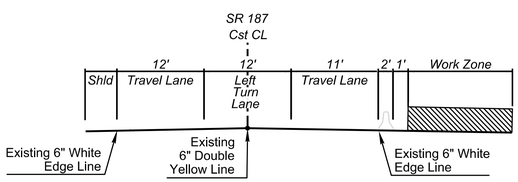
ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187		ARIZ.	187 PN 186	187-A(200)T	90	160	
MILEPOST	LOCATION	SR 187: SR 387 TO SR 87				DWG NO. T-01.05	
STRUCTURE NO.	TRACS NO. F0641 01C	ADOT				___ OF___	

NOTE: All distances and locations are approximate.



NOTE: All distances and locations are approximate.

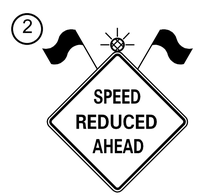




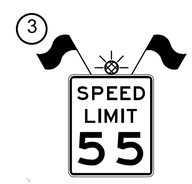
TYPICAL SECTION

SIGN LEGEND:

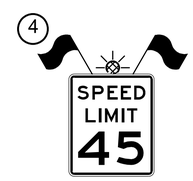
W20-1
(48"X48")



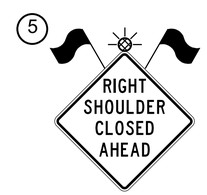
*W3-5aAZ
(48"X48")



*R2-1(55)
(36" X 48")

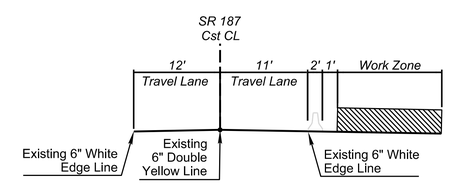


*R2-1(45)
(36" X 48")



*W21-5bR
(48"X48")

G20-2AZ
(48" X 36")



TYPICAL SECTION

* The Contractor shall remove these signs upon completion of the widening work.

SYMBOL LEGEND:

- Work Area
- Sign on Embedded Post(s)
- Channelizing Device with Type C Steady Burn Light
- Temporary Impact Attenuator
- Temporary Concrete Barrier
- Type A Flashing Light
- Flags

DETAIL TCP04

SR 87 & SR 187 ADVANCED SIGNING & WORK ZONE

Channelizing Device with
Type C Steady Burn Light

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40664 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

TRAFFIC CONTROL
SR 87

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	187 PN 186	187-A(200)T	91	160	

LOCATION SR 187: SR 387 TO SR 87

DWG NO. T-1.06

TRACS NO. F0641 01C

ADOT

___ OF___

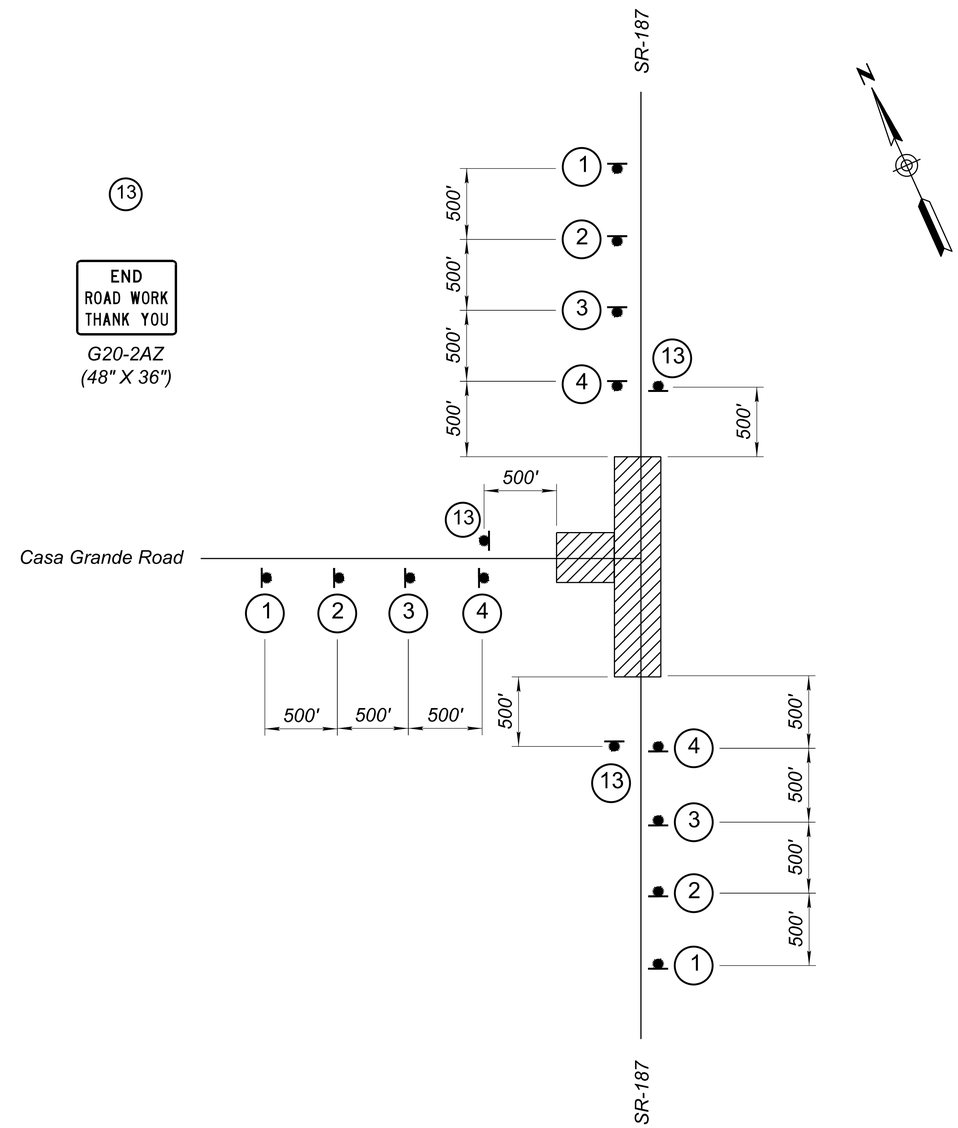
8:33:34 AM 6/5/2025 RJNelson c:\users\rjnelson\appdata\local\bentley\projectwise\wci_projects\d0675896\F0641_Traffic Control_TCP04.dgn

SIGN LEGEND:

W20-1	W3-5aAZ	R2-1(45)	R2-1(35)	G20-2AZ
(48" X 48")	(48" X 48")	(36" X 48")	(36" X 48")	(48" X 36")

SYMBOL LEGEND:

- Work Area
- Sign on Embedded Post(s)
- Type A Flashing Light
- Flags



DETAIL TCP05

INTERSECTION WORK ZONE

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40894 OWEN R. MILLS Date Signed 6/5/25 ARIZONA U.S.A.

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

TRAFFIC CONTROL DETAILS

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division

STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	187 PN 186	187-A(200)T	92	160	

LOCATION SR 187: SR 387 TO SR 87

DWG NO. T-01.07

TRACS NO. F0641 01C

ADOT

____ OF____

PAVEMENT MARKING GENERAL NOTES:

1. *Final striping shall be 120 mil (0.120 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. The Contractor shall contact David Lee, 520-255-1490, at least 10 days prior to Final Striping Operations to accept striping layout.*

2. *All reflective raised pavement markers shall be installed so that the reflective face of each marker is facing the direction of traffic and is perpendicular to the direction of traffic flow. Type G pavement markers per ADOT Standard Drawing M-19 (6 of 9) shall be installed so that the clear reflective face of each marker is facing approaching traffic.*

3. *All reflective raised pavement markers shall have an abrasion-resistant coating on the face of the prismatic reflectors and shall conform to ADOT Standard Drawing M-19. They shall be installed with a bituminous adhesive which is on the ADOT Approved Products List.*

4. *Where raised pavement markers are placed along solid striping, the nearest edge of each marker shall be offset two inches on the side of the through lane.*

5. *The Contractor shall install ground-in rumble strips to conform to ADOT Standard Drawing M-22, except on concrete surfaces.*

6. *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.*

7. *Single arrow and "ONLY" legends shall be installed in accordance with ADOT Standard Drawings.*

8. *All final stop bars, pavement arrows, and "ONLY" legends shall be 120 mil (0.120 inch) thick, extruded thermoplastic reflectorized markings.*

9. *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.*

10. *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.*

11. *The Contractor shall break the center lines and edge lines adjacent to turnouts across any intersections with dedicated roadways or as otherwise directed by the Engineer. In addition, the Contractor shall not place any centerlines within 10 feet of the nearest edge of pavement of the intersecting roadway.*

12. *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.*

13. *The Contractor shall delineate all new guardrail end treatments in accordance with ADOT Standard Drawings and ADOT Standard Specifications. There shall be no measurement or payment for the guardrail end treatment delineation.*

14. *The pavement marking drawings are schematic only and not to scale. The Contractor shall follow all dimensions and details when installing pavement markings.*

PAVEMENT MARKING QUANTITIES

BID ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITIES
7015052	OBLITERATE PAVEMENT MARKING (STRIPE)	L.FT.	60
7040007	PAVEMENT MARKING (WHITE EXTRUDED THERMOPLASTIC) (0.120")	L.FT.	88,974*
7040008	PAVEMENT MARKING (YELLOW EXTRUDED THERMOPLASTIC) (0.120")	L.FT.	29,131*
7040075	PAVEMENT MARKING (TRANSVERSE) (THERMOPLASTIC) (ALKYD) (0.120")	L.FT.	419*
7040076	PAVEMENT LEGEND (EXTRUDED THERMOPLASTIC) (ALKYD) (0.120") ('ONLY')	EACH	3
7040077	PAVEMENT SYMBOL (EXTRUDED THERMOPLASTIC) (ALKYD) (0.120") (ARROW)	EACH	12
7060015	PAVEMENT MARKER, RAISED, TYPE D	EACH	732
7060018	PAVEMENT MARKER, RAISED, TYPE G	EACH	63
7080201	WATERBORNE-TYPE I PAVEMENT MARKING (PAINTED) (WHITE)	L.FT.	58,164*
7080202	WATERBORNE-TYPE I PAVEMENT MARKING (PAINTED) (YELLOW)	L.FT.	19,542*
7080206	WATERBORNE-TYPE I PAVEMENT MARKING (PAINTED SYMBOL) (ARROW)	EACH	12
7080208	WATERBORNE-TYPE I PAVEMENT MARKING (PAINTED LEGEND) (ONLY)	EACH	3
9280036	GROUND-IN RUMBLE STRIP (8 INCH)	L.FT.	57,027

** Based on 4" Equivalent*

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40854 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

PAVEMENT MARKING NOTES

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division

STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	187 PN 186	187-A(200)T	93	160	

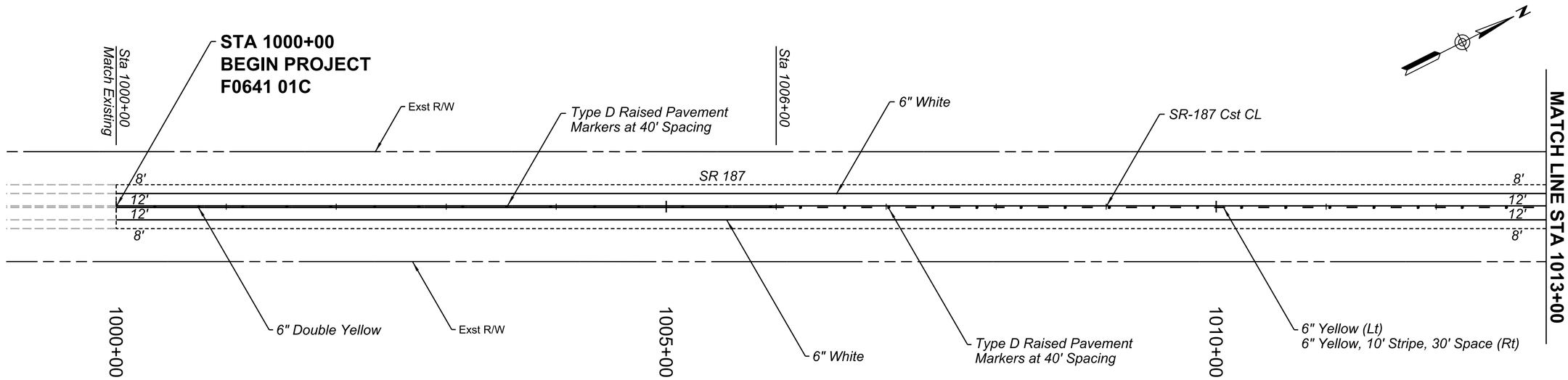
LOCATION SR 187: SR 387 TO SR 87

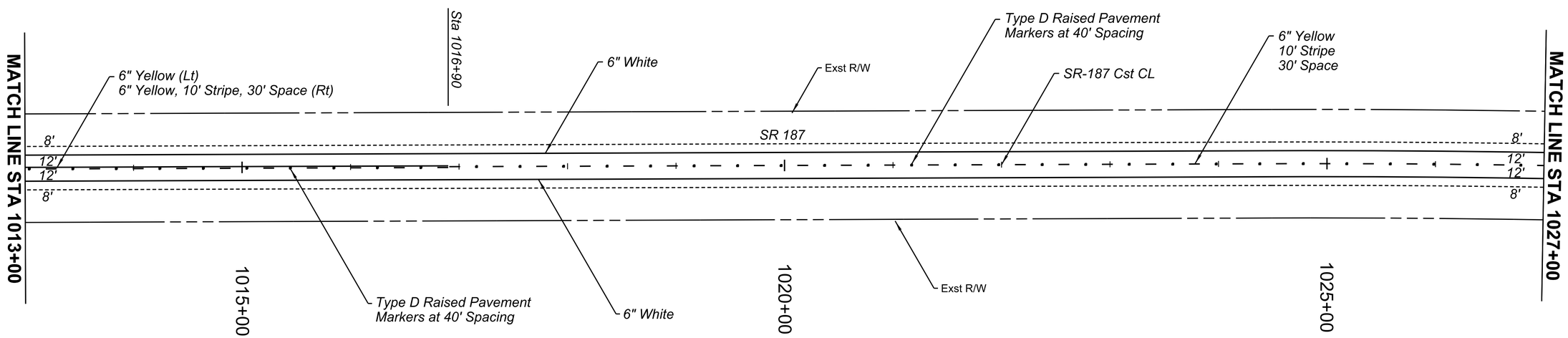
TRACS NO. F0641 01C

ADOT

DWG NO. T-02.01

____ OF____





	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40854 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 PLAN SHEET
PAVEMENT MARKINGS
Sta 1000+00 to 1027+00

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187		ARIZ.	187 PN 186	187-A(200)T	94	160	
MILEPOST	LOCATION	SR 187: SR 387 TO SR 87					DWG NO. T-03.01
STRUCTURE NO.	TRACS NO. F0641 01C		ADOT				___ OF___

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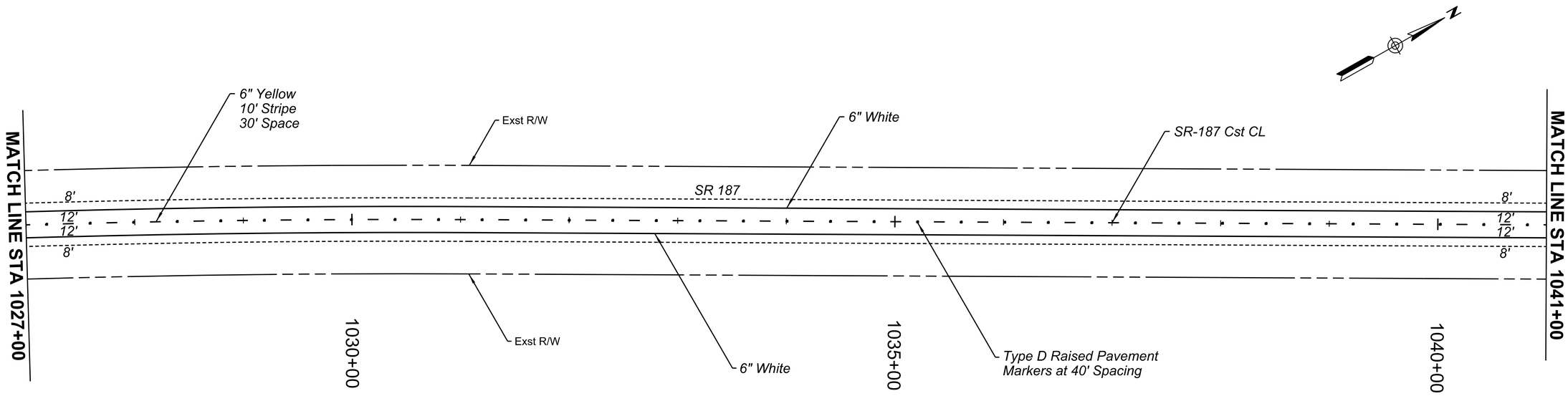

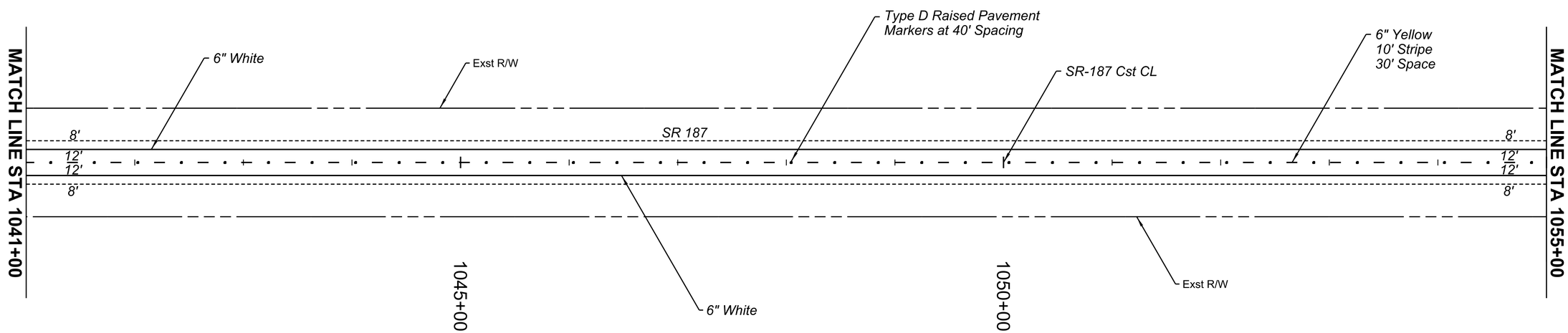

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40854 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 PLAN SHEET
PAVEMENT MARKINGS
Sta 1027+00 to 1055+00

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	187 PN 186	187-A(200)T	95	160	

LOCATION SR 187: SR 387 TO SR 87

DWG NO. T-03.02

TRACS NO. F0641 01C

ADOT

____ OF____

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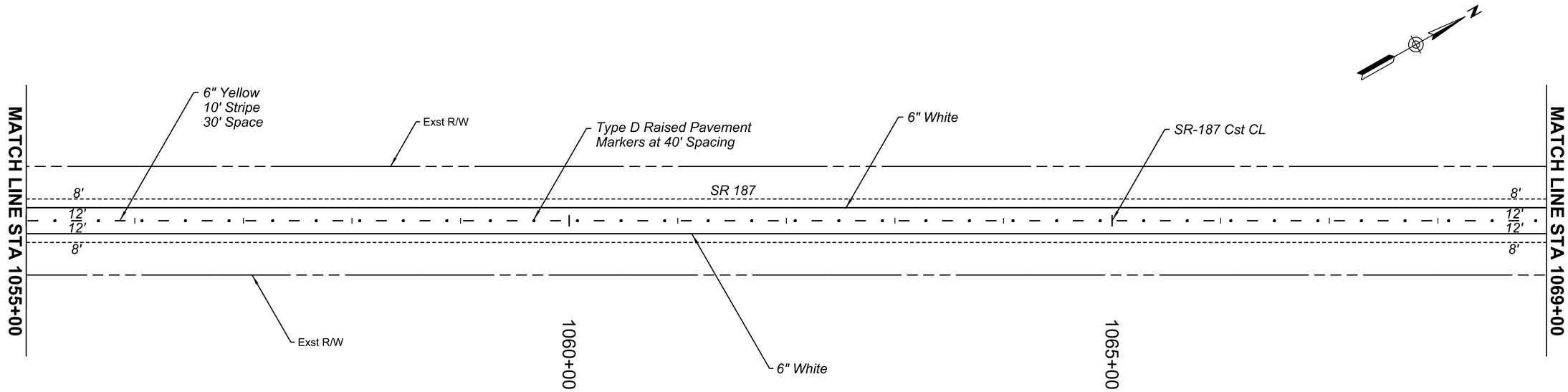

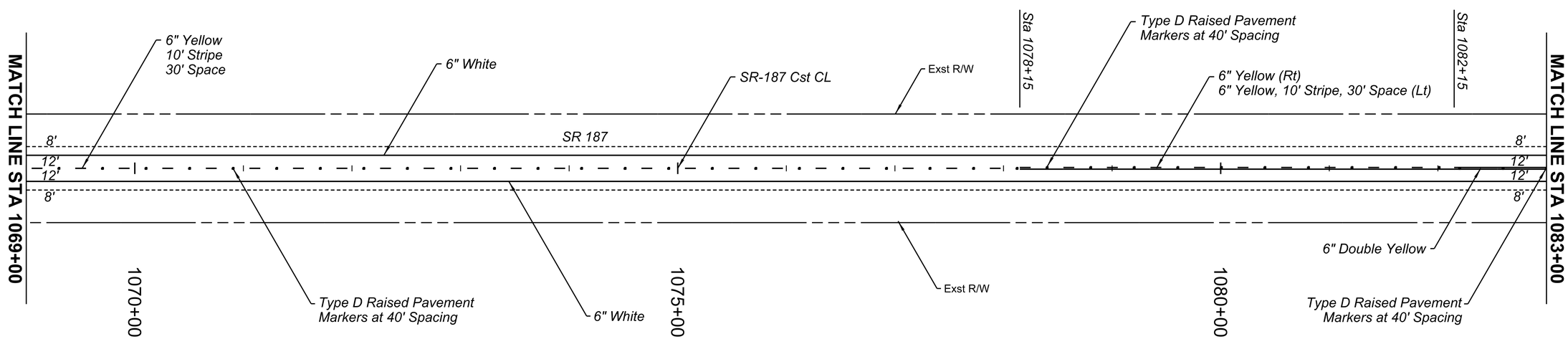

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40854 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 PLAN SHEET
PAVEMENT MARKINGS
Sta 1055+00 to 1083+00

ROUTE: SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division

STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	187 PN 186	187-A(200)T	96	160	

LOCATION: SR 187: SR 387 TO SR 87

DWG NO. T-03.03

TRACS NO. F0641 01C

ADOT

____ OF ____

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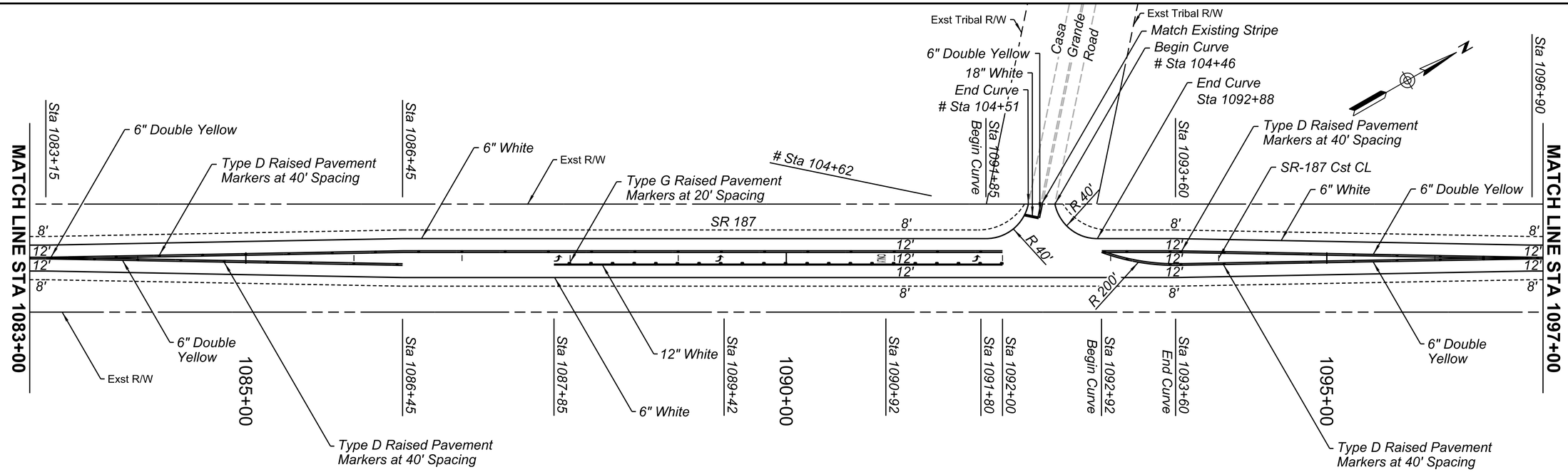

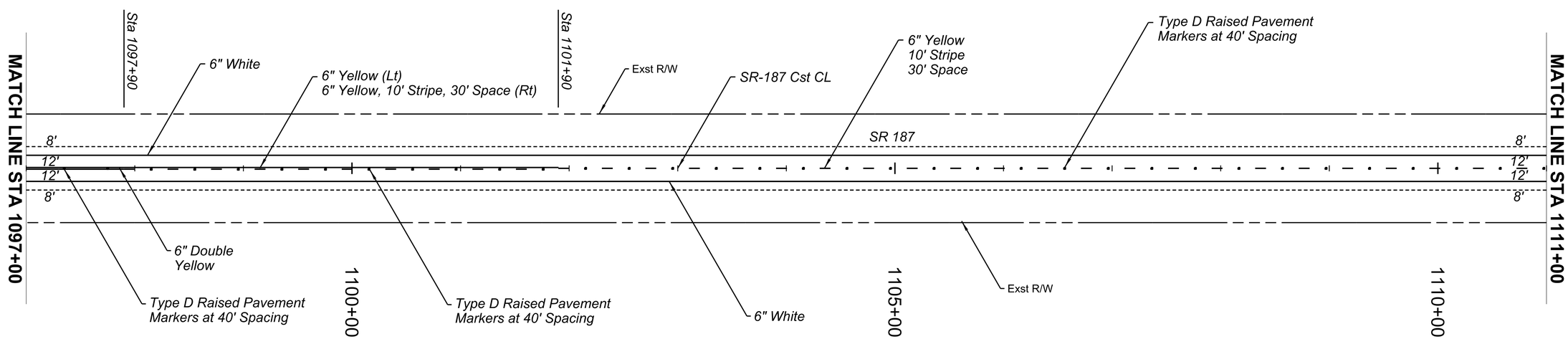

NOTES:

1. Stations reference SR 187 Cst CL, unless otherwise noted.
2. # Casa Grande Road Cst CL

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40854 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 PLAN SHEET
PAVEMENT MARKINGS
Sta 1083+00 to 1111+00

ROUTE: SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	187 PN 186	187-A(200)T	97	160	

LOCATION: SR 187: SR 387 TO SR 87

TRACS NO. F0641 01C

ADOT

DWG NO. T-03.04

____ OF ____

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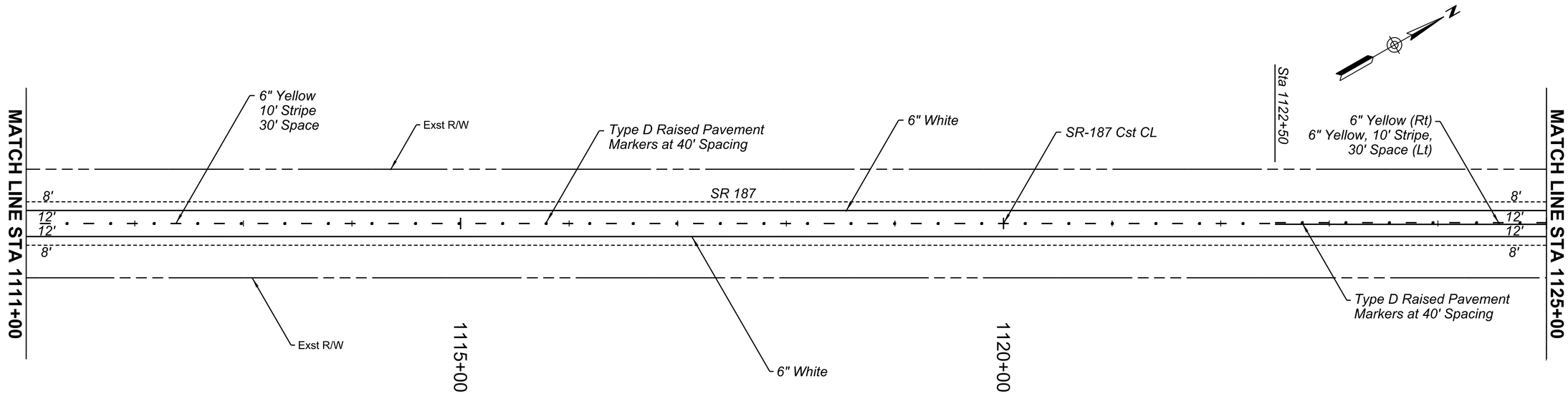
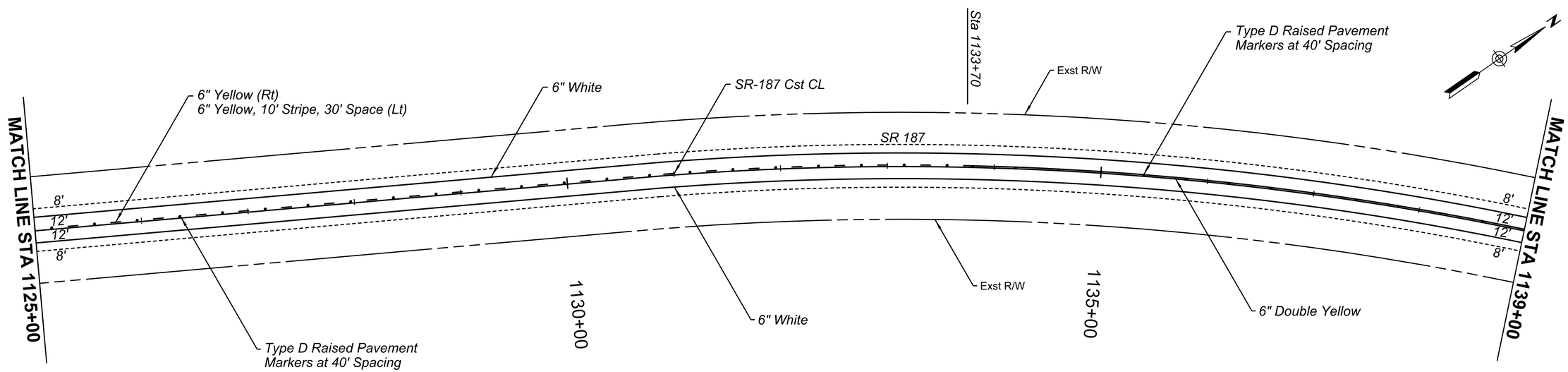




	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 33694 OWEN R. MILLS Date Signed 6/5/25 ARIZONA U.S.A.

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 PLAN SHEET
PAVEMENT MARKINGS
Sta 1111+00 to 1139+00

ROUTE: SR-187
MILEPOST:
STRUCTURE NO.:

F.H.W.A. Arizona Division

STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	187 PN 186	187-A(200)T	98	160	

LOCATION: SR 187: SR 387 TO SR 87

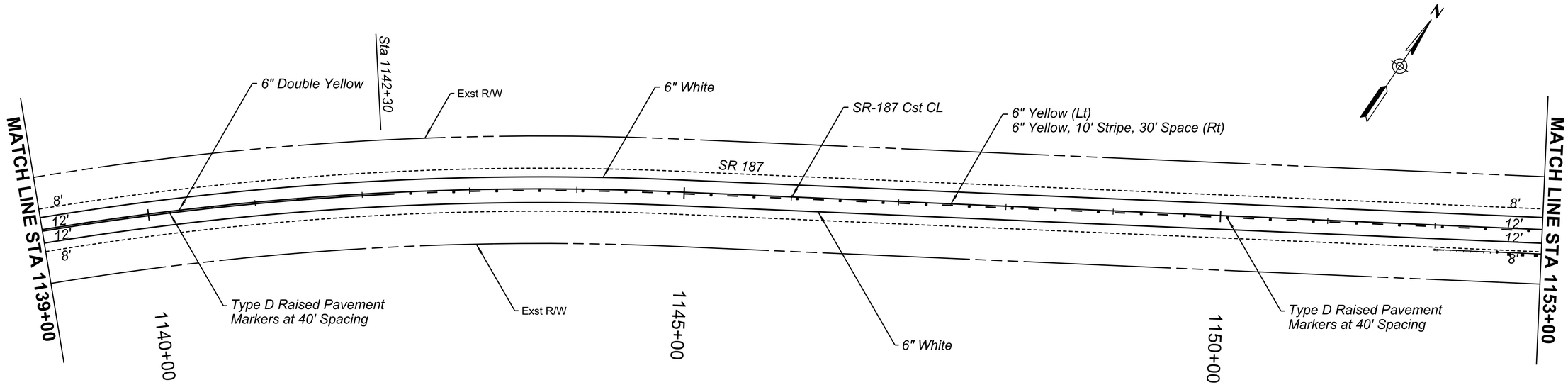
DWG NO. T-03.05

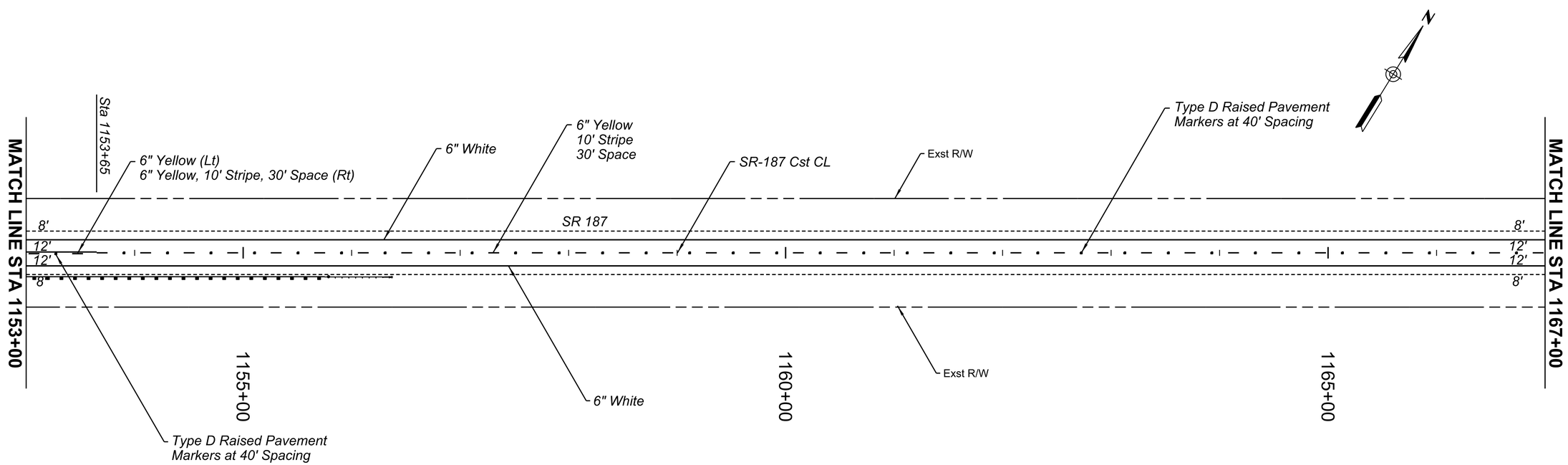
TRACS NO. F0641 01C

ADOT

____ OF ____

8:34:56 AM 6/5/2025 RJNelson c:\users\rjnelson\appdata\local\bentley\projectwise\wci_projects\d0674693\F0641_Pavement Marking_05.dgn





	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40854 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 PLAN SHEET
PAVEMENT MARKINGS
Sta 1139+00 to 1167+00

ROUTE: SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division

STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	187 PN 186	187-A(200)T	99	160	

LOCATION: SR 187: SR 387 TO SR 87

TRACS NO. F0641 01C

ADOT

DWG NO. T-03.06

____ OF ____

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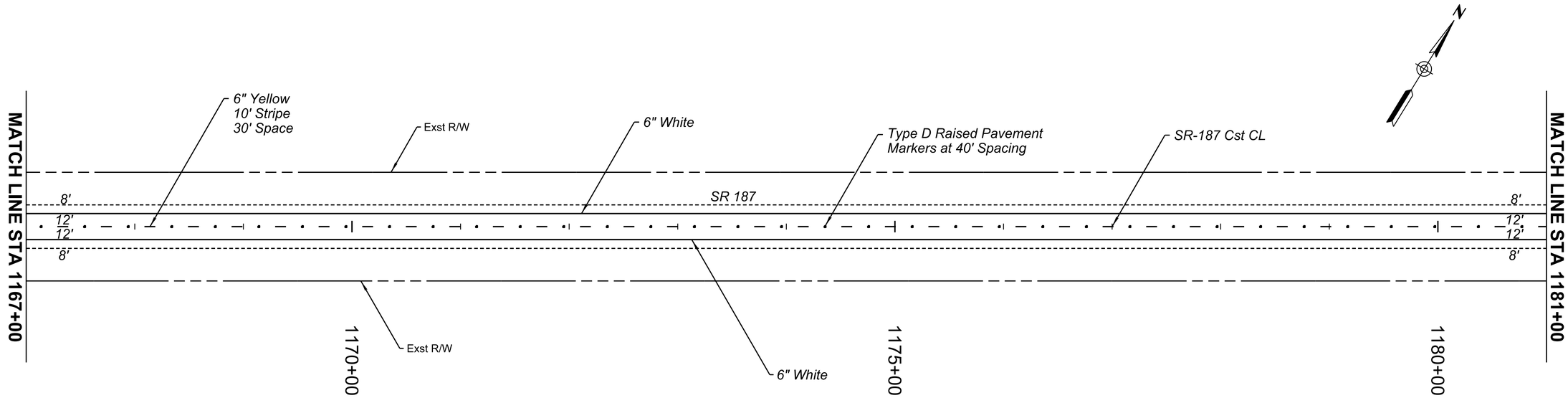

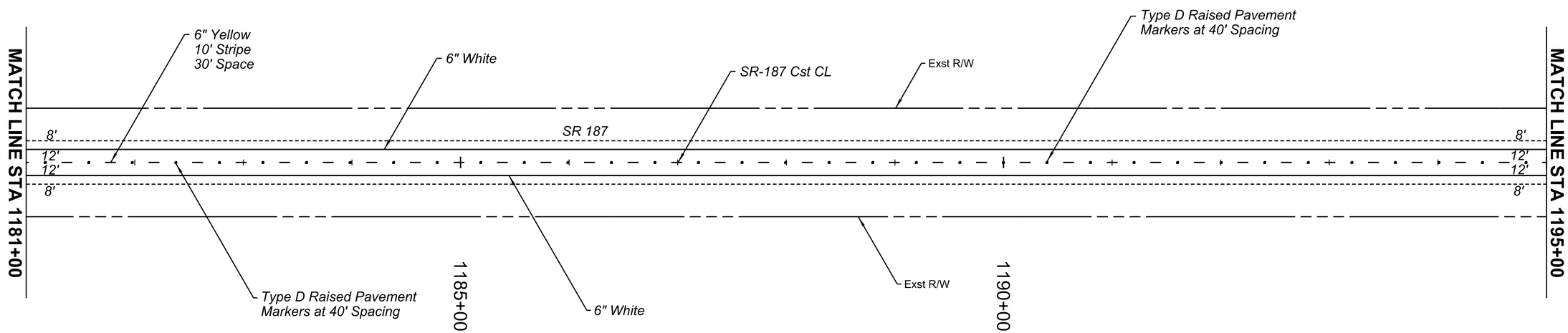

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40654 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 PLAN SHEET
PAVEMENT MARKINGS
Sta 1167+00 to 1195+00

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	187 PN 186	187-A(200)T	100	160	

LOCATION SR 187: SR 387 TO SR 87

DWG NO. T-03.07

TRACS NO. F0641 01C

ADOT

____ OF____

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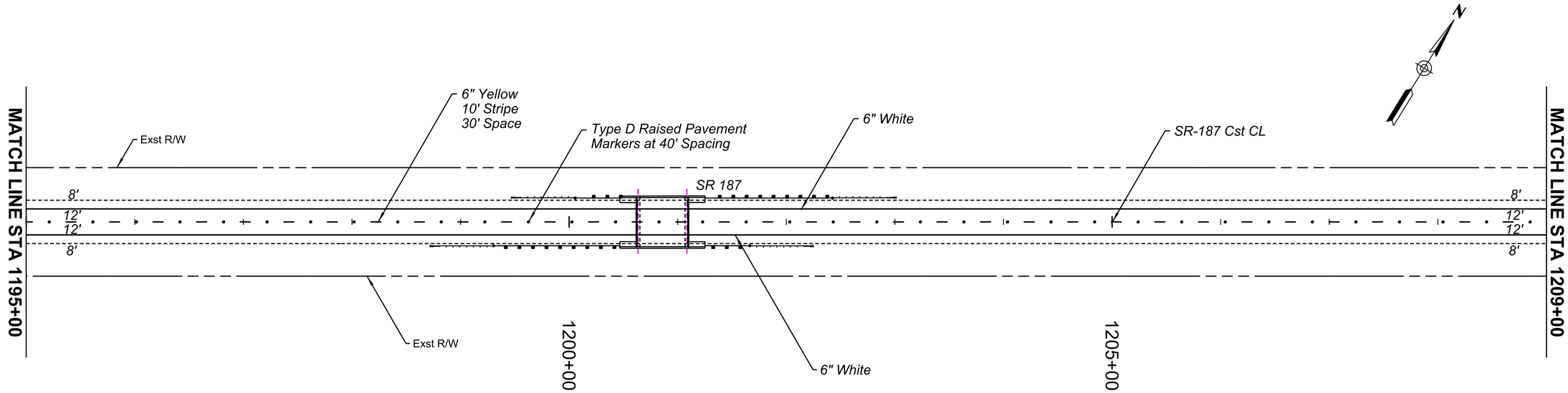
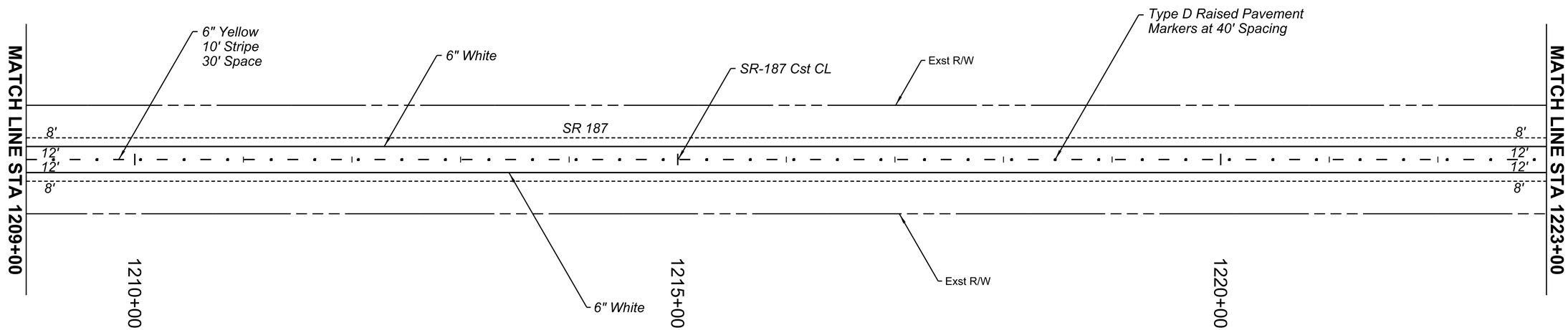




	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40654 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

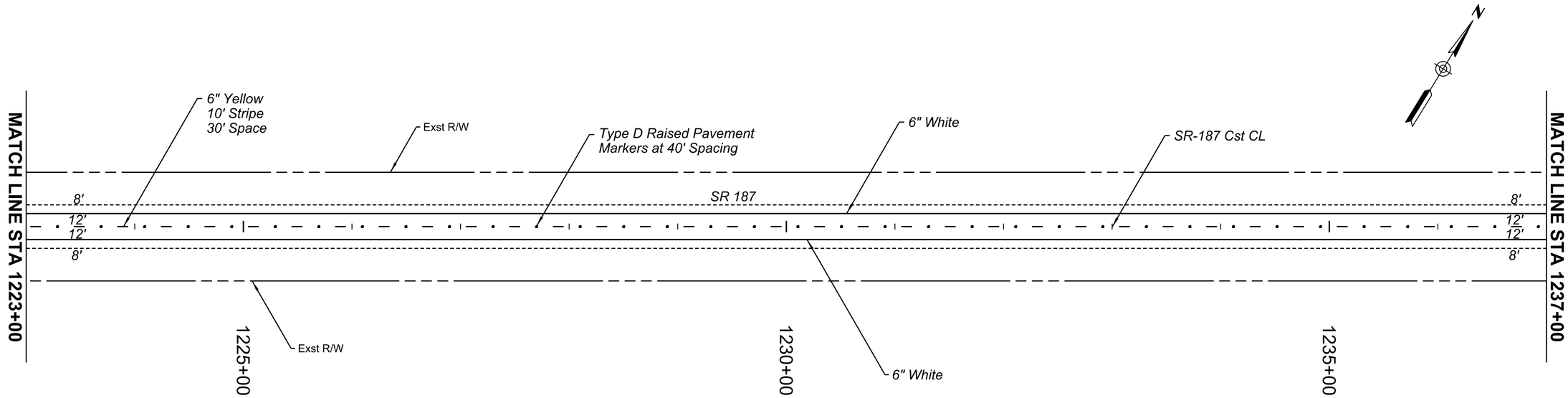
WILSON & COMPANY

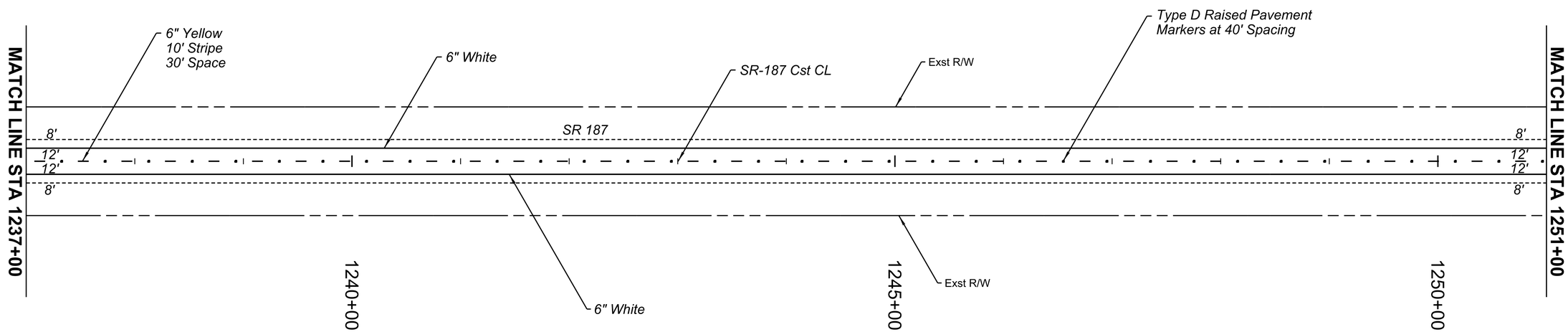
ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 PLAN SHEET
PAVEMENT MARKINGS
Sta 1195+00 to 1223+00

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187		ARIZ.	187 PN 186	187-A(200)T	101	160	
MILEPOST	LOCATION	SR 187: SR 387 TO SR 87					DWG NO. T-03.08
STRUCTURE NO.	TRACS NO. F0641 01C		ADOT				___ OF___

8:35:32 AM 6/5/2025 RJNelson c:\users\rjnelson\appdata\local\bentley\projectwise\wci_projects\d0674693\F0641_Pavement Marking_08.dgn





	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40854 OWEN R. MILLS Date Signed 6/5/25 ARIZONA U.S.A.

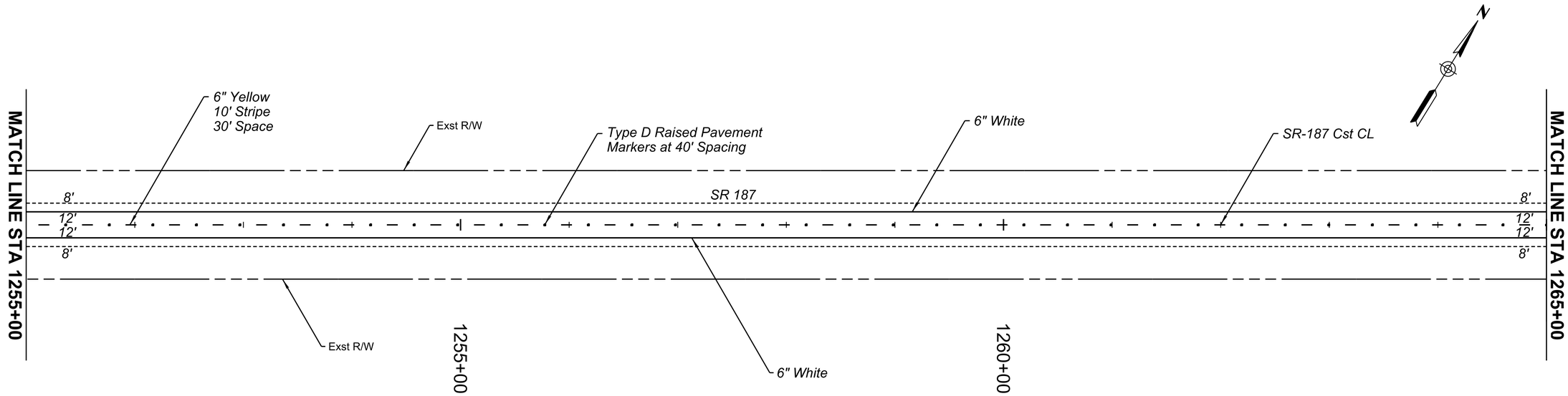
WILSON & COMPANY

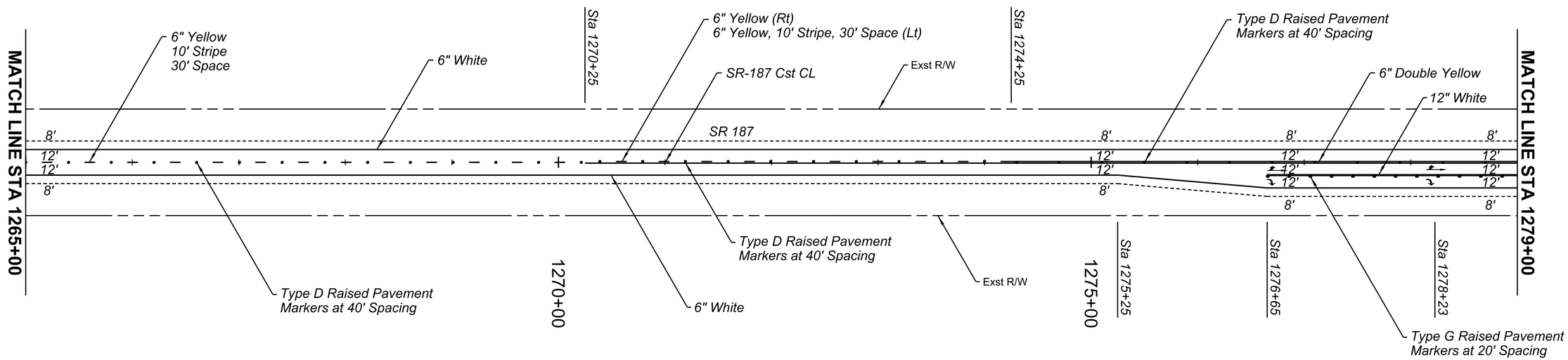
ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 PLAN SHEET
PAVEMENT MARKINGS
Sta 1223+00 to 1251+00

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187		ARIZ.	187 PN 186	187-A(200)T	102	160	
MILEPOST	LOCATION	SR 187: SR 387 TO SR 87					DWG NO. T-03.09
STRUCTURE NO.	TRACS NO. F0641 01C		ADOT				____ OF____

8:35:44 AM 6/5/2025 RJNelson c:\users\rjnelson\appdata\local\bentley\projectwise\wci_projects\d0674693\F0641_Pavement Marking_09.dgn





	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40654 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 PLAN SHEET
PAVEMENT MARKINGS
Sta 1251+00 to 1279+00

ROUTE: SR-187
MILEPOST:
STRUCTURE NO.:

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	187 PN 186	187-A(200)T	103	160	

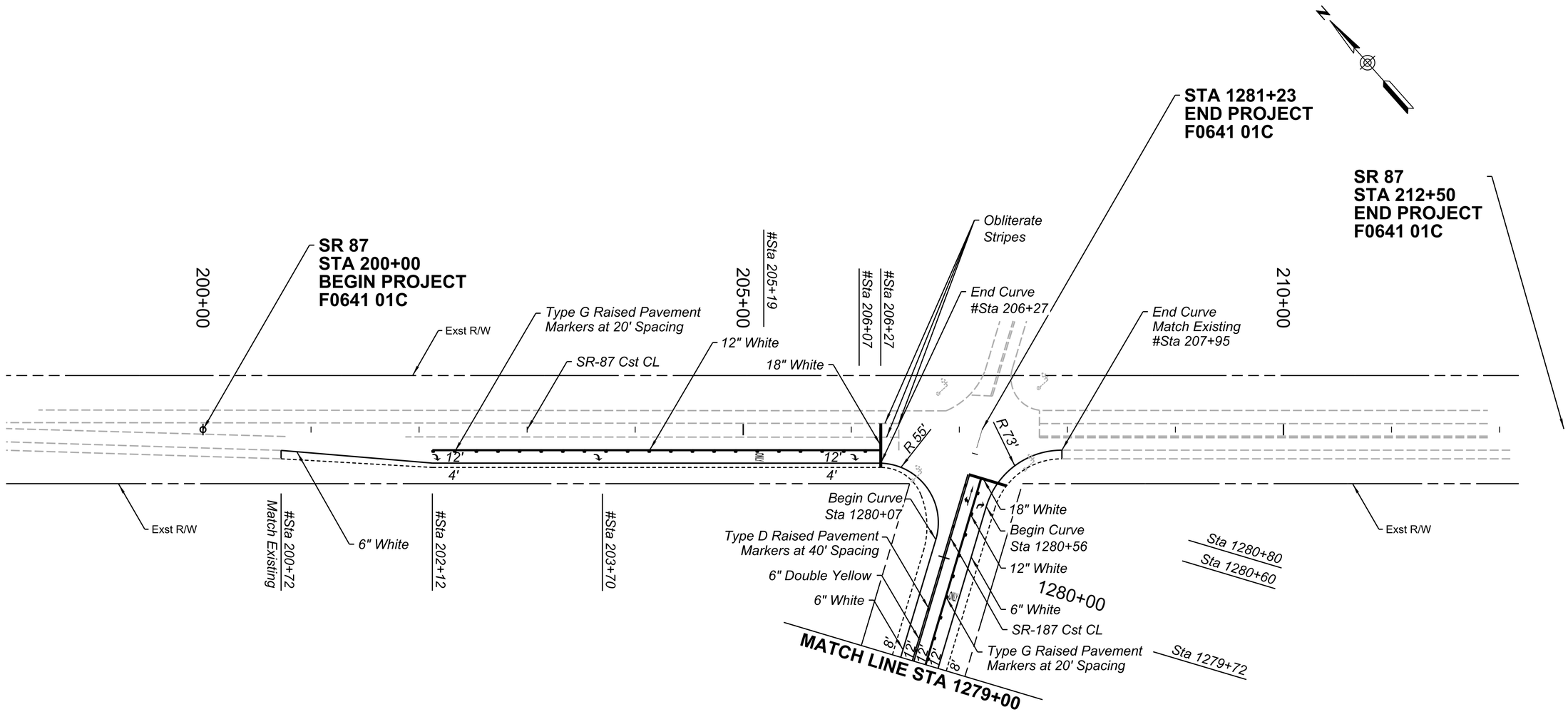
LOCATION: SR 187: SR 387 TO SR 87

TRACS NO. F0641 01C

ADOT

DWG NO. T-03.10

____ OF ____



NOTES:

1. *Stations reference SR 187 Cst CL, unless otherwise noted.*
2. *# SR 87 Cst CL*

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40884 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 87 PLAN SHEET
PAVEMENT MARKINGS

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	187 PN 186	187-A(200)T	104	160	

LOCATION SR 187: SR 387 TO SR 87

DWG NO. T-03.11

TRACS NO. F0641 01C

ADOT

___ OF ___

8:36:09 AM 6/5/2025 RJNelson c:\users\rjnelson\appdata\local\bentley\projectwise\wci_projects\d0674693\F0641_Pavement Marking_11.dgn

SIGNING GENERAL NOTES:

1. *All signs shall be in compliance with the 2009 Manual on Uniform Traffic Control Devices (MUTCD) including the Arizona Supplement, ADOT Signing and Marking Standard Drawings, Traffic Engineering Manual of Approved Signs, and the specifications.*

2. *The Engineer may modify the signing plans.*

3. *The sign locations and the post lengths are approximate. The Contractor shall verify the sign locations and actual post lengths with the Engineer prior to installing signs.*

4. *The bottom of each ground mounted sign assembly shall be at least 7 feet above the nearest edge of pavement and at least 7 feet above the ground under the sign.*

5. *Normal offset for all signs is 12 feet from the near edge of pavement or back of curb. Signs behind concrete barrier, guardrail, or vertical curb shall have a minimum offset of two feet from back of barrier or back of guardrail to the near edge of the sign unless otherwise noted in the sign summary of the plan sheets.*

6. *Offsets for all signs shall be measured from the edge of the roadway to the nearest edge of sign as shown in ADOT Std. Dwg. S-3.*

7. *The retroreflective sheeting on all new signs shall meet criteria established in Section 1007 of the Specifications and in Section 380 of ADOT's Traffic Engineering Guidelines and Processes. All yellow signs shall have fluorescent sheeting.*

8. *The Contractor shall remove existing sign where indicated on the plans and in the sign summary.*

9. *Foundations of existing signs that are to be removed or relocated shall be removed a minimum of two feet below finished grade.*

10. *The Contractor shall preserve all existing roadway sign panels, sign posts, object markers, milepost markers, and foundations for sign posts to remain. The Contractor shall replace any signs, sign supports, and markers damaged as a result of the construction at the Contractor's expense.*

11. *All new signs shall be fabricated with aluminum extrusions or flat sheet aluminum with direct applied copy or screen printed legend as indicated in Section 608 of the Specifications.*

12. *Shop Drawings will be required for all signs.*

13. *Upon installation of each finished sign, the Contractor shall place information on the back of the sign as shown on the sign identification details in ADOT Std. Dwg. S-13.*

14. *The Contractor is responsible for identifying all underground utility locations where new sign foundations are installed. Any new sign foundation locations shall be approved by the Engineer before sign installation.*

SIGNING QUANTITIES

BID ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITIES
2020053	REMOVE (SIGN PANEL)	EACH	8
2020054	REMOVE (SIGN ASSEMBLY)	EACH	45
6070038	SLIP BASE	EACH	42
6070055	SIGN POST (PERFORATED)(2 1/2S)	L.FT.	362
6070057	SIGN POST (PERFORATED)(2 1/2T)	L.FT.	535
6070060	FOUNDATION FOR SIGN POST (CONCRETE)	EACH	72
6080005	REGULATORY, WARNING, OR MARKER SIGN PANEL	SQ.FT.	410
6080055	SIGN PANEL (RELOCATE)	EACH	2
6080025	FLAT SHEET ALUMINUM SIGN PANEL	EACH	178
7030095	MILEPOST MARKER (S-10)	EACH	12

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40854 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SIGNING GENERAL NOTES

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division

STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	187 PN 186	187-A(200)T	105	160	

LOCATION SR 187: SR 387 TO SR 87

DWG NO. T-04.01

TRACS NO. F0641 01C

ADOT

___ OF___

Plan Sheet Number	Station	MOAS Sign Code	Work: New	Work: Existing: Remove 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 or Sign Description	Panel: Sign Width (in.)	Panel: Sign Height (in.)	Panel: Sign Area (sq. ft.)	Panel: Sign Type	Panel: Bid Item Number	Ground Mounted: New Foundations	Ground Mounted: Posts: Type	Ground Mounted: Posts: 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
T-06.01	N1002+40	D2-2					X					JUNCTION 87 / SACATON					2020054									
T-06.01	N1002+40	D2-2	X						12	7	GR	JUNCTION 87 / SACATON	60	30	12.5	F-DA	6080025	2	2 1/2T	24	2					
T-06.01	N1006+80	D10-3					X					MILE (187)					2020054									
T-06.01	N1006+80	D10-3	X						12	4	GR	MILE (187)	12	48	4.0	F-DA	7030095									
T-06.01	N1010+37	W8-18aAZ					X					FLASH FLOOD AREA					2020054									
	+	W16-104P					X					NEXT 5 MILES														
T-06.01	N1010+37	W8-18aAZ	X						12	7	YL	FLASH FLOOD AREA	36	36	9.0	RWM	6080005	2	2 1/2T	25	2					
	+	W16-104P	X						+	+	YL	NEXT 5 MILES	36	18	4.5	RWM	6080005									
T-06.01	N1016+18	W14-3					X					NO PASSING ZONE					2020054									
T-06.01	N1016+90	W14-3	X						12	7	YL	NO PASSING ZONE	48	36	5.5	RWM	6080005	2	2 1/2T	25	2					
T-06.02	N1037+57	W8-2	X						12	7	YL	DIP	36	36	9.0	RWM	6080005	1	2 1/2S	12						
T-06.02	N1046+67	W8-2	X						12	7	YL	DIP	36	36	9.0	RWM	6080005	1	2 1/2S	12						
T-06.03	N1056+70	SPECIALITY						X				TRIBAL LAND														
T-06.03	N1060+00	D10-3					X					MILE (188)					2020054									
T-06.03	N1060+00	D10-3	X						12	4	GR	MILE (188)	12	48	4.0	F-DA	7030095									
T-06.03	N1068+37	W8-2	X						12	7	YL	DIP	36	36	9.0	RWM	6080005	1	2 1/2S	12						
T-06.03	N1078+00	W2-2L	X						12	7	YL	SIDE ROAD INTERSECTION (LEFT)	36	36	9.0	RWM	6080005	1	2 1/2S	12						
	+	D3-1	X						+	+	YL	CASA GRANDE ROAD	60	12	5.0	RWM	6080025									
T-06.03	N1082+25	W8-2	X						12	7	YL	DIP	36	36	9.0	RWM	6080005	1	2 1/2S	12						
T-06.04	N1086+25	SPECIALITY	X						12	7	GR/YL	ALTERNATE TO I-10	24	60	10.0	F-DA	6080025	2	2 1/2T	28	2					
T-06.04	N1085+00	D1-1	X						14	7	GR	SACATON	72	24	12.0	F-DA	6080025	2	2 1/2T	24	2					
T-06.04	N1087+50	SPECIALITY					X					ALTERNATE TO I-10					2020054									
T-06.04	N1089+81	D1-1					X					SACATON					2020054									
T-06.04	N1092+24	W1-7					X					DOUBLE ARROW					2020054									
	+	OM1-2					X					OBJECT MARKER														
	+	OM1-2					X					OBJECT MARKER														

NOTES:

1. *The Contractor 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.*

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)*

COLORS:

BK: *Black*
BL: *Blue*
BR: *Brown*
GR: *Green*
RD: *Red*
WH: *White*
YL: *Fluorescent Yellow*

POST TYPES:

2S: *2" Single Perforated*
2 1/2S: *2 1/2" Single Perforated*
2 1/2T: *2 1/2" Telescoping*
S4x7.7: *Breakway*

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40884 OWEN R. MILLS DATE SIGNED 6/5/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SIGN SUMMARY

ROUTE: SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division

STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	187 PN 186	187-A(200)T	106	160	

LOCATION: SR 187: SR 387 TO SR 87

DWG NO. T-05.01

TRACS NO. F0641 01C

ADOT

____ OF ____

Plan Sheet Number	Station	MOAS Sign Code	Work: New	Work: Existing: Remove 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 or Sign Description	Panel: Sign Width (in.)	Panel: Sign Height (in.)	Panel: Sign Area (sq. ft.)	Panel: Sign Type	Panel: Bid Item Number	Ground Mounted: New Foundations	Ground Mounted: Posts: Type	Ground Mounted: Posts: 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
T-06.04	N1092+24	W1-7	X						12	7	YL	DOUBLE ARROW	48	24	8.0	RWM	6080005	2	2 1/2T	24	2					
	+	OM4-2	X						+	+	RD	OBJECT MARKER	18	18	2.3	RWM	6080005									
	+	OM4-2	X						+	+	RD	OBJECT MARKER	18	18	2.3	RWM	6080005									
T-06.04	N1098+63	W14-3					X					NO PASSING ZONE					2020054									
T-06.04	N1101+90	W14-3	X						12	7	YL	NO PASSING ZONE	48	36	5.5	RWM	6080005	2	2 1/2T	25	2					
T-06.05	N1112+67	D10-3					X					MILE (189)					2020054									
T-06.05	N1112+67	D10-3	X						12	4	GR	MILE (189)	12	48	4.0	F-DA	7030095									
T-06.05	N1132+31	W1-8R					X					RIGHT CHEVRON					2020054									
T-06.05	N1132+47	W1-8L					X					LEFT CHEVRON					2020054									
T-06.06	N1149+30	M3-1					X					NORTH					2020054									
	+	M1-5b					X					ARIZONA (187)														
T-06.06	N1149+30	M3-1	X						12	7	WH	NORTH	24	12	2.0	RWM	6080005	1	2 1/2S	12						
	+	M1-5b	X						+	+	WH	ARIZONA (187)	30	24	5.0	RWM	6080005									
T-06.06	N1153+65	W14-3	X						12	7	YL	NO PASSING ZONE	48	36	5.5	RWM	6080005	2	2 1/2T	25	2					
T-06.06	N1153+93	W14-3					X					NO PASSING ZONE					2020054									
T-06.06	N1165+33	D10-3					X					MILE (190)					2020054									
T-06.06	N1165+33	D10-3	X						12	4	GR	MILE (190)	12	48	4.0	F-DA	7030095									
T-06.07	N1167+90	W8-2	X						12	7	YL	DIP	36	36	9.0	RWM	6080005	1	2 1/2S	12						
T-06.08	N1217+20	W8-2	X						12	7	YL	DIP	36	36	9.0	RWM	6080005	1	2 1/2S	12						
T-06.08	N1218+38	D10-3					X					MILE (191)					2020054									
T-06.08	N1218+38	D10-3	X						12	4	GR	MILE (191)	12	48	4.0	F-DA	7030095									
T-06.09	N1241+06	W8-2					X					DIP					2020054									
T-06.09	N1241+06	W8-2	X						12	7	YL	DIP	36	36	9.0	RWM	6080005	1	2 1/2S	12						
T-06.10	N1253+75	W8-2					X					DIP					2020054									
T-06.10	N1253+75	W8-2	X						12	7	YL	DIP	36	36	9.0	RWM	6080005	1	2 1/2S	12						

NOTES:

1. *The Contractor 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.*

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)*

COLORS:

BK: *Black*
BL: *Blue*
BR: *Brown*
GR: *Green*
RD: *Red*
WH: *White*
YL: *Fluorescent Yellow*

POST TYPES:

2S: *2" Single Perforated*
2 1/2S: *2 1/2" Single Perforated*
2 1/2T: *2 1/2" Telescoping*
S4x7.7: *Breakway*

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40864 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SIGN SUMMARY

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division

STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	187 PN 186	187-A(200)T	107	160	

LOCATION SR 187: SR 387 TO SR 87

TRACS NO. F0641 01C

ADOT

DWG NO. T-05.02

____ OF____

Plan Sheet Number	Station	MOAS Sign Code	Work: New	Work: Existing: Remove 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 or Sign Description	Panel: Sign Width (in.)	Panel: Sign Height (in.)	Panel: Sign Area (sq. ft.)	Panel: Sign Type	Panel: Bid Item Number	Ground Mounted: New Foundations	Ground Mounted: Posts: Type	Ground Mounted: Posts: 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
T-06.10	N1256+40	M2-1					X					JCT					2020054									
	+	M1-5a					X					STATE ROUTE (87)														
	+	M5-102					X					1/2 MILE														
T-06.10	N1256+40	M2-1	X						12	7	WH	JCT	24	12	2.0	RWM	6080005	1	2 1/2S	12						
	+	M1-5a	X						+	+	WH	STATE ROUTE (87)	24	24	4.0	RWM	6080005									
	+	M5-102	X						+	+	WH	1/2 MILE	24	18	3.0	RWM	6080005									
T-06.10	N1263+69	W8-2					X					DIP					2020054									
T-06.10	N1263+69	W8-2	X						12	7	YL	DIP	36	36	9.0	RWM	6080005	1	2 1/2S	12						
T-06.10	N1270+25	W3-3	X						12	7	YL	SIGNAL AHEAD	36	36	9.0	RWM	6080005	2	2 1/2T	25	2					
T-06.10	N1270+84	D10-3					X					MILE (191)					2020054									
T-06.10	N1270+84	D10-3	X						12	4	GR	MILE (191)	12	48	4.0	F-DA	7030095									
T-06.10	N1272+50	D1-2	X						12	7	GR	CHANDLER / COOLIDGE	84	48	28.0	F-DA	6080025	2	2 1/2T	22	2					
T-06.10	N1273+65	W3-3					X					SIGNAL AHEAD					2020054									
T-06.10	N1274+50	SPECIALITY	X						12	7	GR/YL	ALTERNATE TO I-10	24	60	10.0	F-DA	6080025	2	2 1/2T	28	2					
T-06.10	N1276+03	SPECIALITY					X					ALTERNATE TO I-10					2020054									
T-06.10	N1276+65	R3-8KR	X						12	7	WH	LEFT THROUGH RIGHT ONLY	36	30	7.5	RWM	6080005	1	2 1/2S	12						
T-06.10	N1277+76	D1-2					X					CHANDLER / COOLIDGE					2020054									
T-06.10	N1278+50	M4-6	X						12	7	WH	END	24	12	2.0	RWM	6080005	1	2 1/2S	12						
		M1-5a	X						+	+	WH	STATE ROUTE (187)	24	24	4.0	RWM	6080005									
T-06.11	N1280+55	R3-8KR	X						12	7	WH	LEFT THROUGH RIGHT ONLY	36	30	7.5	RWM	6080005	1	2 1/2S	12						
T-06.11	N201+88	R16-101						X				BUCKLE UP IT'S THE LAW														
T-06.11	N203+95	R2-1						X				SPEED LIMIT (65)														
T-06.11	N205+95	M3-1						X				NORTH														
	+	M1-5a						X				STATE ROUTE (87)														
T-06.11	N206+80	D3-1		X								OLBERG RD / SR 187					2020053									
T-06.11	N206+80	D3-1	X								GR	OLBERG RD / SR 187	72	36	18.0	F-DA	6080025									MOUNT TO EXISTING TRAFFIC SIGNAL POLE
T-06.11	N207+73	D3-1		X								SR 87					2020053									
T-06.11	N207+73	D3-1	X									SR 87	48	18	6.0	F-DA	6080025									MOUNT TO EXISTING TRAFFIC SIGNAL POLE
T-06.11	N212+47	W3-3		X								SIGNAL AHEAD					2020053									
	+	R2-1		X								55 MPH					2020053									

NOTES:

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3. *Quantities are approximate and for the Contractor's information only.*

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)

COLORS:

BK: Black
BL: Blue
BR: Brown
GR: Green
RD: Red
WH: White
YL: Fluorescent Yellow

POST TYPES:

2S: 2" Single Perforated
2 1/2S: 2 1/2" Single Perforated
2 1/2T: 2 1/2" Telescoping
S4x7.7: Breakway

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 33694 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SIGN SUMMARY

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division

STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	187 PN 186	187-A(200)T	108	160	

LOCATION SR 187: SR 387 TO SR 87

DWG NO. T-05.03

TRACS NO. F0641 01C

ADOT

____ OF____

Plan Sheet Number	Station	MOAS Sign Code	Work: New	Work: Existing: Remove 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 or Sign Description	Panel: Sign Width (in.)	Panel: Sign Height (in.)	Panel: Sign Area (sq. ft.)	Panel: Sign Type	Panel: Bid Item Number	Ground Mounted: New Foundations	Ground Mounted: Posts: Type	Ground Mounted: Posts: 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
T-06.11	N212+47	W3-3	X						12	7	YL	SIGNAL AHEAD	48	48	16.0	RWM	6080005									MOUNT TO EXISTING FLASHER POLE
	+	R2-1	X						+	+	YL	55 MPH	24	24	4.0	RWM	6080005									MOUNT TO EXISTING FLASHER POLE
T-06.01	S1006+80	D10-3					X					MILE (187)					2020054									
T-06.01	S1006+80	D10-3	X						12	4	GR	MILE (187)	12	48	4.0	F-DA	7030095									
T-06.01	S1023+05	M2-101a					X					JUNCTION I-10 / STATE ROUTE 387 (1/2 MILE)					2020054									
T-06.01	S1023+05	M2-101a	X						12	7	GR	JUNCTION I-10 / STATE ROUTE 387 (1/2 MILE)	72	60	30.0	F-DA	6080025	2	2 1/2T	24	2					
T-06.02	S1045+53	W8-2	X						12	7	YL	DIP	36	36	9.0	RWM	6080005	1	2 1/2S	12						
T-06.02	S1054+63	W8-2	X						12	7	YL	DIP	36	36	9.0	RWM	6080005	1	2 1/2S	12						
T-06.03	S1060+00	D10-3					X					MILE (188)					2020054									
T-06.03	S1060+00	D10-3	X						12	4	GR	MILE (188)	12	48	4.0	F-DA	7030095									
T-06.03	S1078+15	W14-3	X						12	7	YL	NO PASSING ZONE	48	36	5.5	RWM	6080005	2	2 1/2T	24	2					
T-06.03	S1079+00	W8-2	X						12	7	YL	DIP	36	36	9.0	RWM	6080005	1	2 1/2S	12						
T-06.04	S1086+28	W14-3					X					NO PASSING ZONE					2020054									
T-06.04	S1093+00	W8-2	X						12	7	YL	DIP	36	36	9.0	RWM	6080005	1	2 1/2S	12						
T-06.04	S1095+42	D1-1					X					SACATON					2020054									
T-06.04	S1098+00	D1-1	X						12	7	GR	SACATON	72	24	12.0	F-DA	6080025	2	2 1/2T	24	2					
T-06.04	S1102+26	W2-2R	X						12	7	YL	SIDE ROAD INTERSECTION (RIGHT)	36	36	9.0	RWM	6080005	1	2 1/2S	12						
	+	D3-1	X						+	+	YL	CASA GRANDE ROAD	60	12	5.0	RWM	6080005									
T-06.05	S1112+67	D10-3					X					MILE (189)					2020054									
T-06.05	S1112+67	D10-3	X						12	4	GR	MILE (189)	12	48	4.0	F-DA	7030095									
T-06.05	S1122+50	W14-3	X						12	7	YL	NO PASSING ZONE	48	36	5.5	RWM	6080005	2	2 1/2T	25	2					
T-06.05	S1122+65	W14-3					X					NO PASSING ZONE					2020054									
T-06.05	S1130+35	SPECIALITY						X				TRIBAL LAND														
T-06.05	S1132+31	W1-8L					X					LEFT CHEVRON					2020054									
T-06.05	S1132+47	W1-8R					X					RIGHT CHEVRON					2020054									

NOTES:

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POST TYPES:

2S: 2" Single Perforated
2 1/2S: 2 1/2" Single Perforated
2 1/2T: 2 1/2" Telescoping
S4x7.7: Breakway

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40884 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SIGN SUMMARY

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division

STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	187 PN 186	187-A(200)T	109	160	

LOCATION SR 187: SR 387 TO SR 87

TRACS NO. F0641 01C

ADOT

DWG NO. T-05.04

____ OF____

Plan Sheet Number	Station	MOAS Sign Code	Work: New	Work: Existing: Remove 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 or Sign Description	Panel: Sign Width (in.)	Panel: Sign Height (in.)	Panel: Sign Area (sq. ft.)	Panel: Sign Type	Panel: Bid Item Number	Ground Mounted: New Foundations	Ground Mounted: Posts: Type	Ground Mounted: Posts: 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
T-06.06	S1145+43	M3-3					X					SOUTH					2020054									
	+	M1-5b					X					STATE ROUTE (187)														
T-06.06	S1145+43	M3-3	X						12	7	WH	SOUTH	24	12	2.0	RWM	6080005	1	2 1/2S	12						
	+	M1-5b	X						+	+	WH	STATE ROUTE (187)	30	24	5.0	RWM	6080005									
T-06.06	S1165+33	D10-3					X					MILE (190)					2020054									
T-06.06	S1165+33	D10-3	X						12	4	GR	MILE (190)	12	48	4.0	F-DA	7030095									
T-06.07	S1175+90	W8-2	X						12	7	YL	DIP	36	36	9.0	RWM	6080005	1	2 1/2S	12						
T-06.07	S1194+07	W1-8L					X					LEFT CHEVRON					2020054									
T-06.07	S1194+16	W1-8R					X					RIGHT CHEVRON					2020054									
T-06.08	S1218+38	D10-3					X					MILE (191)					2020054									
T-06.08	S1218+38	D10-3	X						12	4	GR	MILE (191)	12	48	4.0	F-DA	7030095									
T-06.09	S1225+20	W8-2	X						12	7	YL	DIP	36	36	9.0	RWM	6080005	1	2 1/2S	12						
T-06.10	S1241+00	W11-4	X						12	7	YL	CATTLE	36	36	9.0	RWM	6080005	2	2 1/2T	25	2					
	+	W16-104P	X						+	+	YL	NEXT 5 MILES	36	18	4.5	RWM	6080005									
T-06.09	S1248+81	W8-2					X					DIP					2020054									
T-06.09	S1248+81	W8-2	X						12	7	YL	DIP	36	36	9.0	RWM	6080005	1	2 1/2S	12						
T-06.10	S1255+69	D2-2					X					CASA GRANDE / TUCSON					2020054									
T-06.10	S1255+69	D2-2	X						12	7	GR	CASA GRANDE / TUCSON	72	30	15.0	F-DA	6080025	2	2 1/2T	24	2					
T-06.10	S1261+45	W8-2	X						12	7	YL	DIP	36	36	9.0	RWM	6080005	1	2 1/2S	12						
T-06.10	S1262+50	R2-1					X					SPEED LIMIT (55)					2020054									
T-06.10	S1266+34	W11-4					X					CATTLE					2020054									
	+	W16-104P					X					NEXT 5 MILES														
T-06.10	S1268+55	R5-104					X					LITTERING HIGHWAYS UNLAWFUL					2020054									
T-06.10	S1270+25	W14-3	X						12	7	YL	NO PASSING ZONE	48	36	5.5	RWM	6080005	2	2 1/2T	25	2					
T-06.10	S1270+50	R2-1	X						12	7	WH	SPEED LIMIT (55)	36	48	12.0	RWM	6080005	2	2 1/2T	27	2					
T-06.10	S1270+84	D10-3					X					MILE (192)					2020054									

NOTES:

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PANEL TYPES:

RWM: Regulatory, Warning, or Marker
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Ext: Aluminum extrusions
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COLORS:

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GR: Green
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POST TYPES:

2S: 2" Single Perforated
2 1/2S: 2 1/2" Single Perforated
2 1/2T: 2 1/2" Telescoping
S4x7.7: Breakway

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 42664 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SIGN SUMMARY

ROUTE: SR-187
MILEPOST:
STRUCTURE NO.

F.H.W.A. Arizona Division

STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	187 PN 186	187-A(200)T	110	160	

LOCATION: SR 187: SR 387 TO SR 87

TRACS NO. F0641 01C

ADOT

DWG NO. T-05.05

____ OF____

Plan Sheet Number	Station	MOAS Sign Code	Work: New	Work: Existing: Remove 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 or Sign Description	Panel: Sign Width (in.)	Panel: Sign Height (in.)	Panel: Sign Area (sq. ft.)	Panel: Sign Type	Panel: Bid Item Number	Ground Mounted: New Foundations	Ground Mounted: Posts: Type	Ground Mounted: Posts: 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
T-06.10	S1270+84	D10-3	X						12	4	GR	MILE (192)	12	48	4.0	F-DA	7030095									
T-06.10	S1271+62	W8-2					X					DIP					2020054									
T-06.10	S1274+00	W8-2	X						12	7	YL	DIP	36	36	9.0	RWM	6080005	1	2 1/2S	12						
T-06.10	S1275+34	W14-3					X					NO PASSING ZONE					2020054									
T-06.10	S1276+03	W8-18aAZ					X					FLASH FLOOD AREA					2020054									
	+	W16-104P					X					NEXT 5 MILES														
T-06.10	S1277+00	W8-18aAZ	X						12	7	YL	FLASH FLOOD AREA	36	36	9.0	RWM	6080005	2	2 1/2T	24	2					
	+	W16-104P	X						+	+	YL	NEXT 5 MILES	36	18	4.5	RWM	6080005									
T-06.11	S200+70	W3-3	X						12	7	YL	SIGNAL AHEAD	48	48	16.0	RWM	6080005									MOUNT TO FLASHER POLE PER STD DWG. TS 12-1
	+	R2-1	X						+	+	YL	55 MPH	24	24	4.0	RWM	6080005									MOUNT TO FLASHER POLE PER STD DWG. TS 12-1
T-06.11	S201+69	W3-3		X								SIGNAL AHEAD					2020053									
	+	R2-1		X								55 MPH					2020053									
T-06.11	S202+15	R3-5fP	X						12	7	WH	RIGHT LANE	30	12	2.5	RWM	6080005	1	2 1/2S	13						
		R3-5R	X						+	+	WH	RIGHT TURN (ARROW)	30	36	7.5	RWM	6080005									
T-06.11	S204+00	D1-2			X							COOLIDGE PICACHO / CASA GRANDE					6080055	2	2 1/2T	24	2					RELOCATE TO STA S204+00
T-06.11	S206+00	R3-5fP	X						12	7	WH	RIGHT LANE	30	12	2.5	RWM	6080005	1	2 1/2S	13						
		R3-5R	X						+	+	WH	RIGHT TURN (ARROW)	30	36	7.5	RWM	6080005									
T-06.11	S206+40	D3-1	X								GR	SR 87	48	18	6.0	RWM	6080025									MOUNT TO NEW TRAFFIC SIGNAL POLE
T-06.11	S206+57	D3-1		X								SR 87					2020053									
T-06.11	S207+61	D3-1		X								OLBERG RD / SR 187					2020053									
T-06.11	S207+69	D3-1	X								GR	OLBERG RD / SR 187	72	36	18.0	RWM	6080025									MOUNT TO NEW TRAFFIC SIGNAL POLE
T-06.11	S207+89	M3-3			X							SOUTH					6080055	1	2 1/2S	12						RELOCATE TO STA S209+49
	+	M1-5b			X							STATE ROUTE (187)														
T-06.11	S209+49	R16-101						X				BUCKLE UP IT'S THE LAW														
T-06.04	E 104+57	R1-1					X					STOP					2020054									
T-06.04	E 104+57	R1-1	X						12	7	RD	STOP	36	36	9.0	RWM	6080005	1	2 1/2S	12						
T-06.04	W104+08	SPECIALITY						X				WELCOME TO GILA RIVER INDIAN COMMUNITY														
	+	SPECIALITY						X				LOCAL TRAFFIC ONLY														

NOTES:

1. *The Contractor 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.*

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)

COLORS:

BK: Black
BL: Blue
BR: Brown
GR: Green
RD: Red
WH: White
YL: Fluorescent Yellow

POST TYPES:

2S: 2" Single Perforated
2 1/2S: 2 1/2" Single Perforated
2 1/2T: 2 1/2" Telescoping
S4x7.7: Breakway

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 32694 OWEN R. MILLS Date Signed 6/5/25 ARIZONA U.S.A.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SIGN SUMMARY

ROUTE: SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division

STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	187 PN 186	187-A(200)T	111	160	

LOCATION: SR 187: SR 387 TO SR 87

TRACS NO. F0641 01C

ADOT

DWG NO. T-05.06

____ OF____

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40984 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 PLAN SHEET
SIGNING PLANS
Sta 1000+00 to 1027+00

ROUTE: SR-187
MILEPOST:
STRUCTURE NO.:

F.H.W.A. Arizona Division

STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	187 PN 186	187-A(200)T	112	160	

LOCATION: SR 187: SR 387 TO SR 87

DWG NO. T-06.01

TRACS NO. F0641 01C

ADOT

____ OF ____

8:37:16 AM 6/5/2025 RJNelson c:\users\rjnelson\appdata\local\bentley\projectwise\wci_projects\d0674809\F0641_Signing_01.dgn

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40984 OWEN R. MILLS Date Signed 6/5/25 ARIZONA U.S.A.

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 PLAN SHEET
SIGNING PLANS
Sta 1027+00 to 1055+00

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	187 PN 186	187-A(200)T	113	160	

LOCATION SR 187: SR 387 TO SR 87

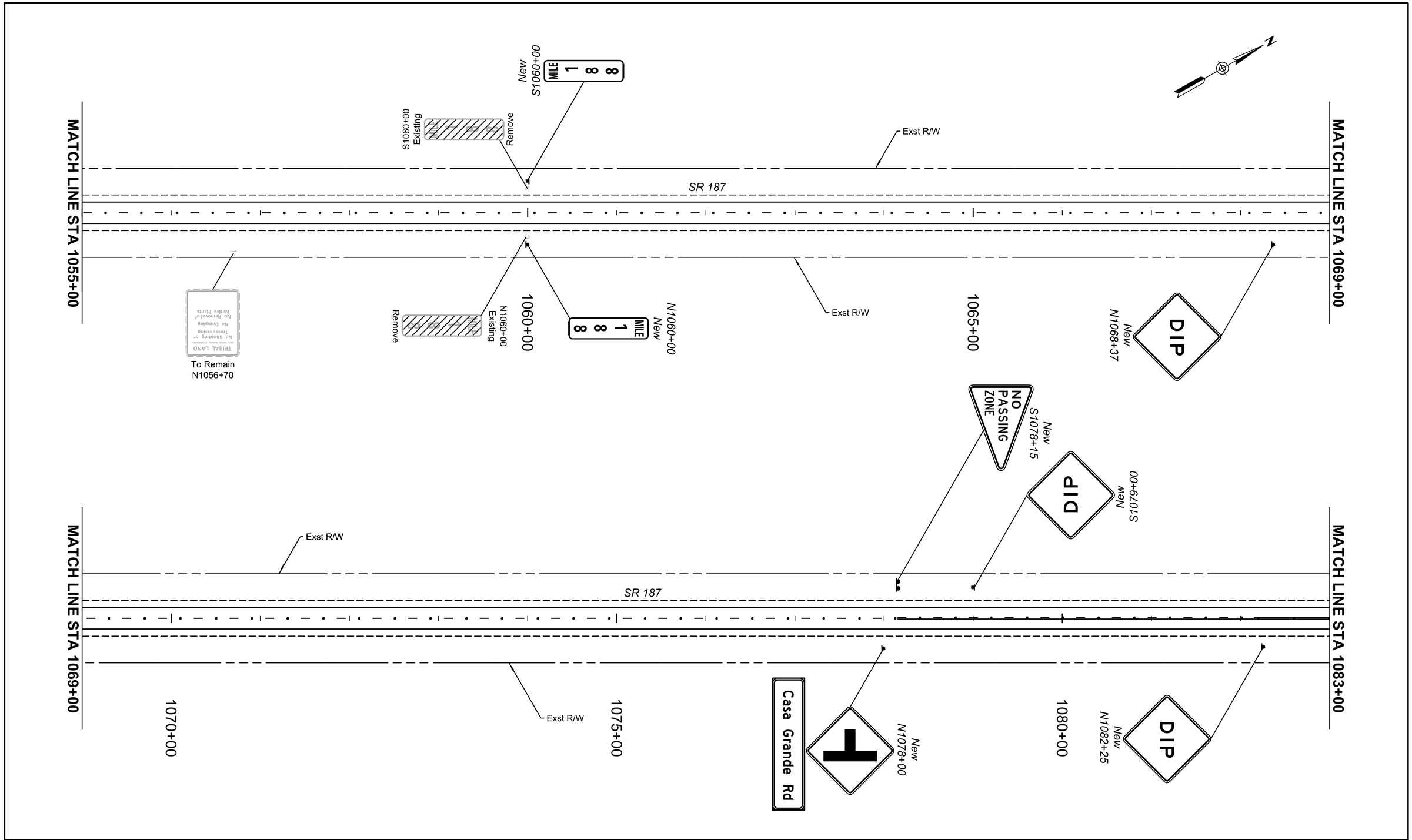
DWG NO. T-06.02

TRACS NO. F0641 01C

ADOT

____ OF____

8:37:29 AM 6/5/2025 RJNelson c:\users\rjnelson\appdata\local\bentley\projectwise\wci_projects\d0674809\F0641_Signing_02.dgn



	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40894 OWEN R. MILLS Date Signed 6/5/25 ARIZONA U.S.A.

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 PLAN SHEET
SIGNING PLANS
Sta 1055+00 to 1083+00

ROUTE: SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division

STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	187 PN 186	187-A(200)T	114	160	

LOCATION: SR 187: SR 387 TO SR 87

DWG NO. T-06.03

TRACS NO. F0641 01C

ADOT

____ OF ____

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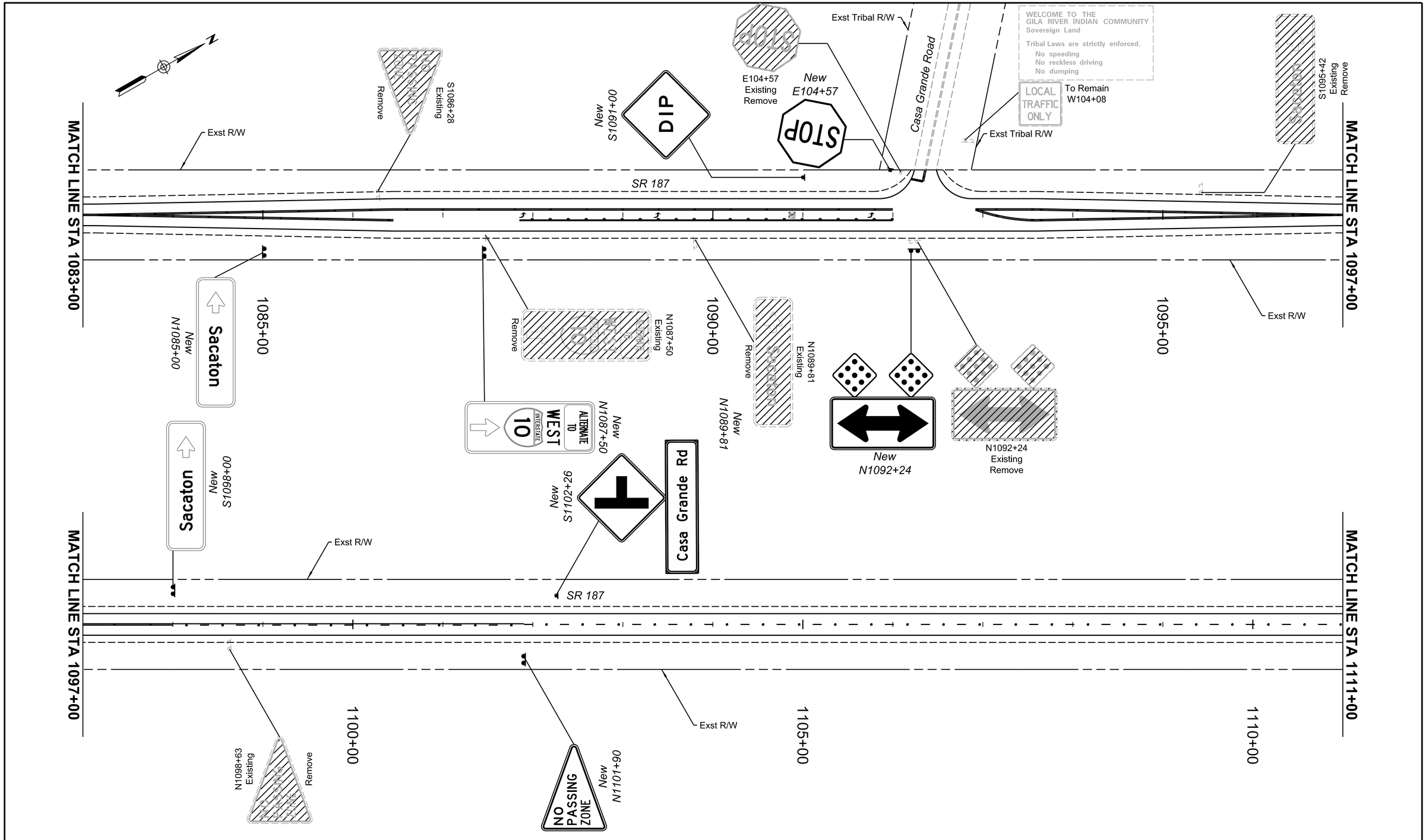


	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40654 OWEN R. MILLS Date Signed 6/5/25 ARIZONA U.S.A.

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 PLAN SHEET
SIGNING PLANS
Sta 1083+00 to 1111+00

ROUTE: SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division

STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	187 PN 186	187-A(200)T	115	160	

LOCATION: SR 187: SR 387 TO SR 87

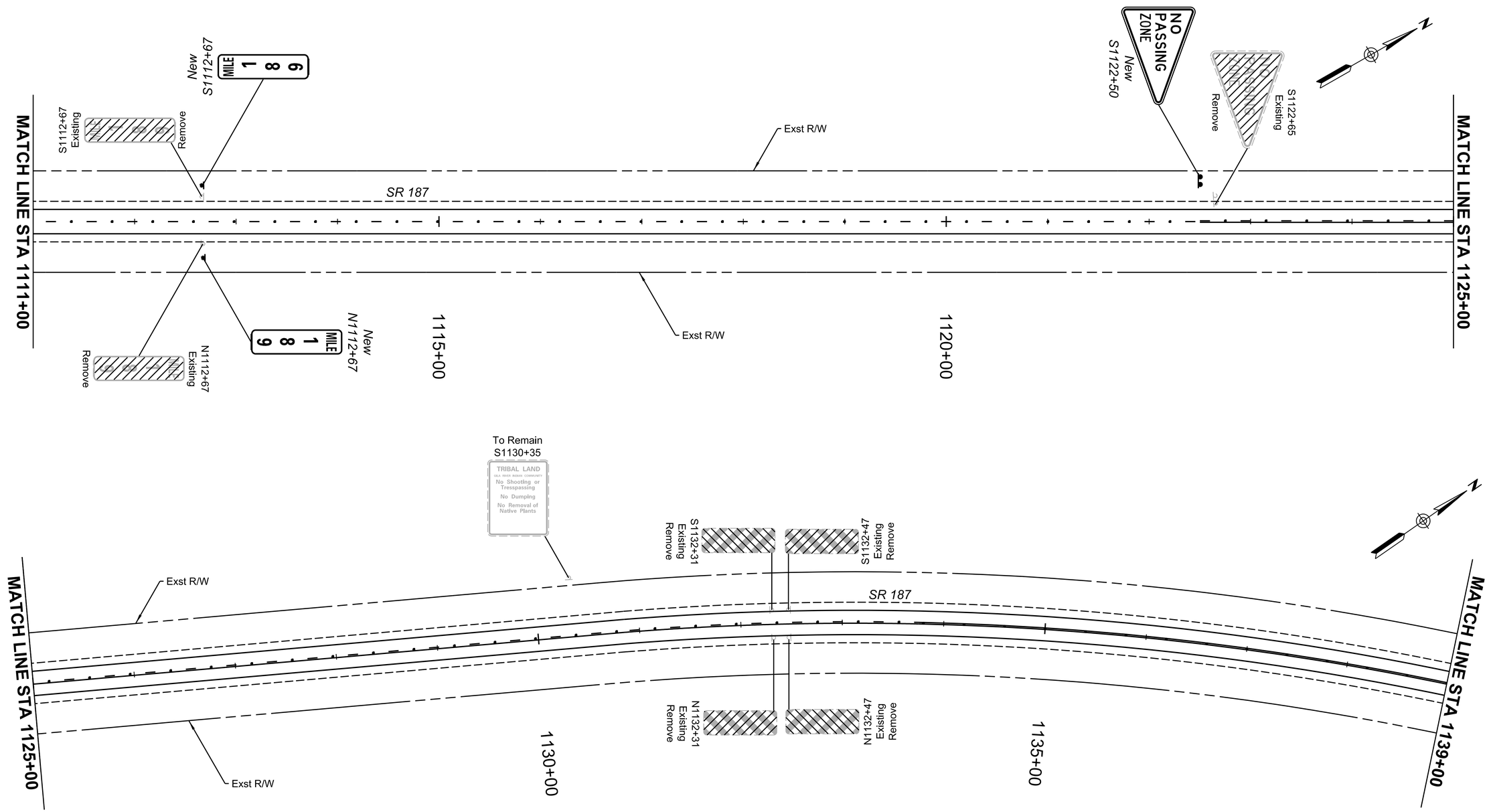
TRACS NO. F0641 01C

ADOT

DWG NO. T-06.04

____ OF____

8:37:54 AM 6/5/2025 RJNelson c:\users\rjnelson\appdata\local\bentley\projectwise\wci_projects\d0674809\F0641_Signing_04.dgn



	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40894 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 PLAN SHEET
SIGNING PLANS
Sta 1111+00 to 1139+00

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187		ARIZ.	187 PN 186	187-A(200)T	116	160	
MILEPOST	LOCATION	SR 187: SR 387 TO SR 87					DWG NO. T-06.05
STRUCTURE NO.	TRACS NO. F0641 01C		ADOT				____ OF____

8:38:06 AM 6/5/2025 RJNelson c:\users\rjnelson\appdata\local\bentley\projectwise\wci_projects\d0674809\F0641_Signing_05.dgn

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40884 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 PLAN SHEET
SIGNING PLANS
Sta 1139+00 to 1167+00

ROUTE	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187	ARIZ.	187 PN 186	187-A(200)T	117	160	

MILEPOST

STRUCTURE NO.

F.H.W.A. Arizona Division

LOCATION SR 187: SR 387 TO SR 87

TRACS NO. F0641 01C

ADOT

DWG NO. T-06.06

____ OF____

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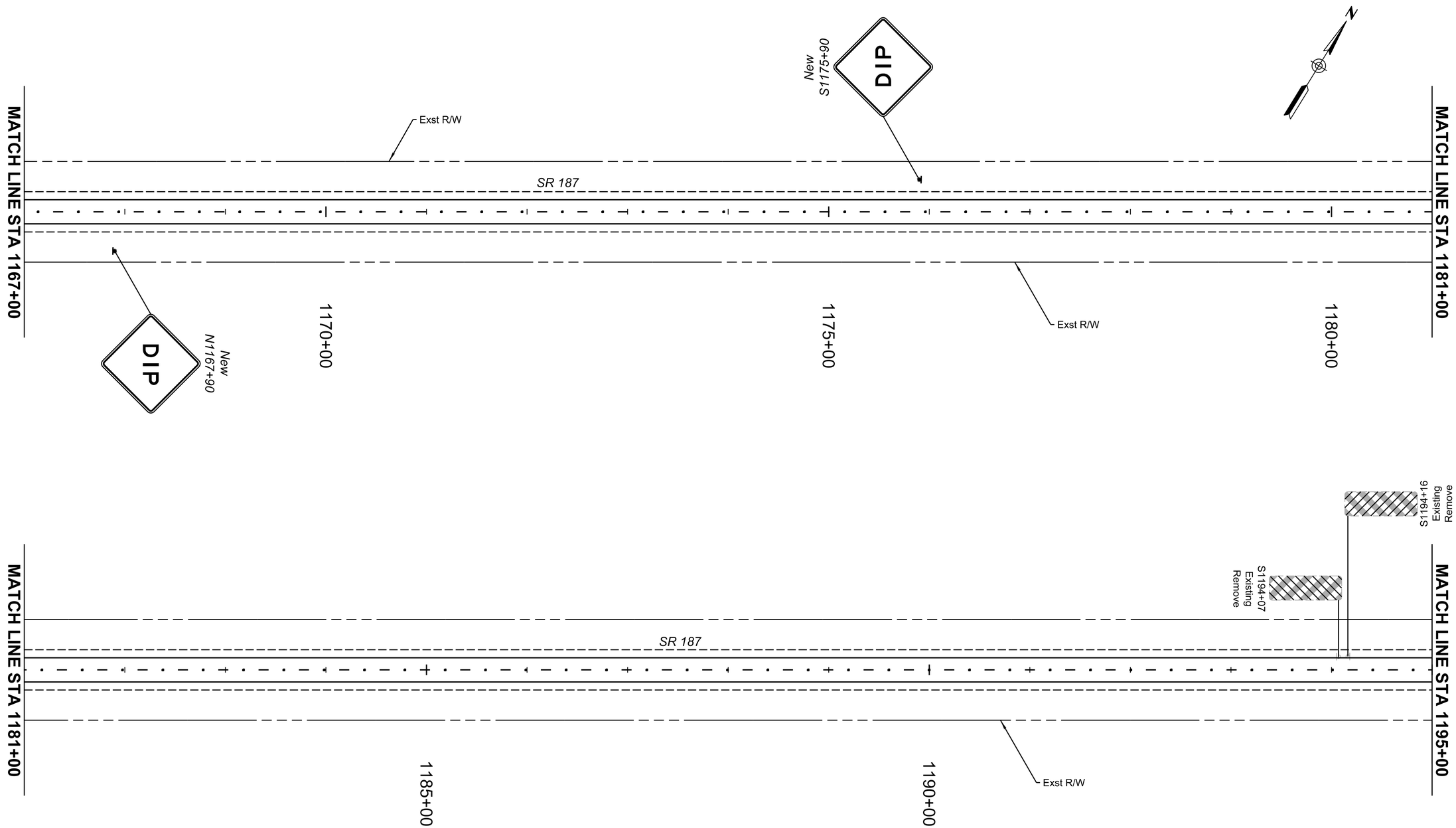

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40564 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 PLAN SHEET
SIGNING PLANS
Sta 1167+00 to 1195+00

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division

STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	187 PN 186	187-A(200)T	118	160	

LOCATION SR 187: SR 387 TO SR 87

DWG NO. T-06.07

TRACS NO. F0641 01C

ADOT

____ OF____

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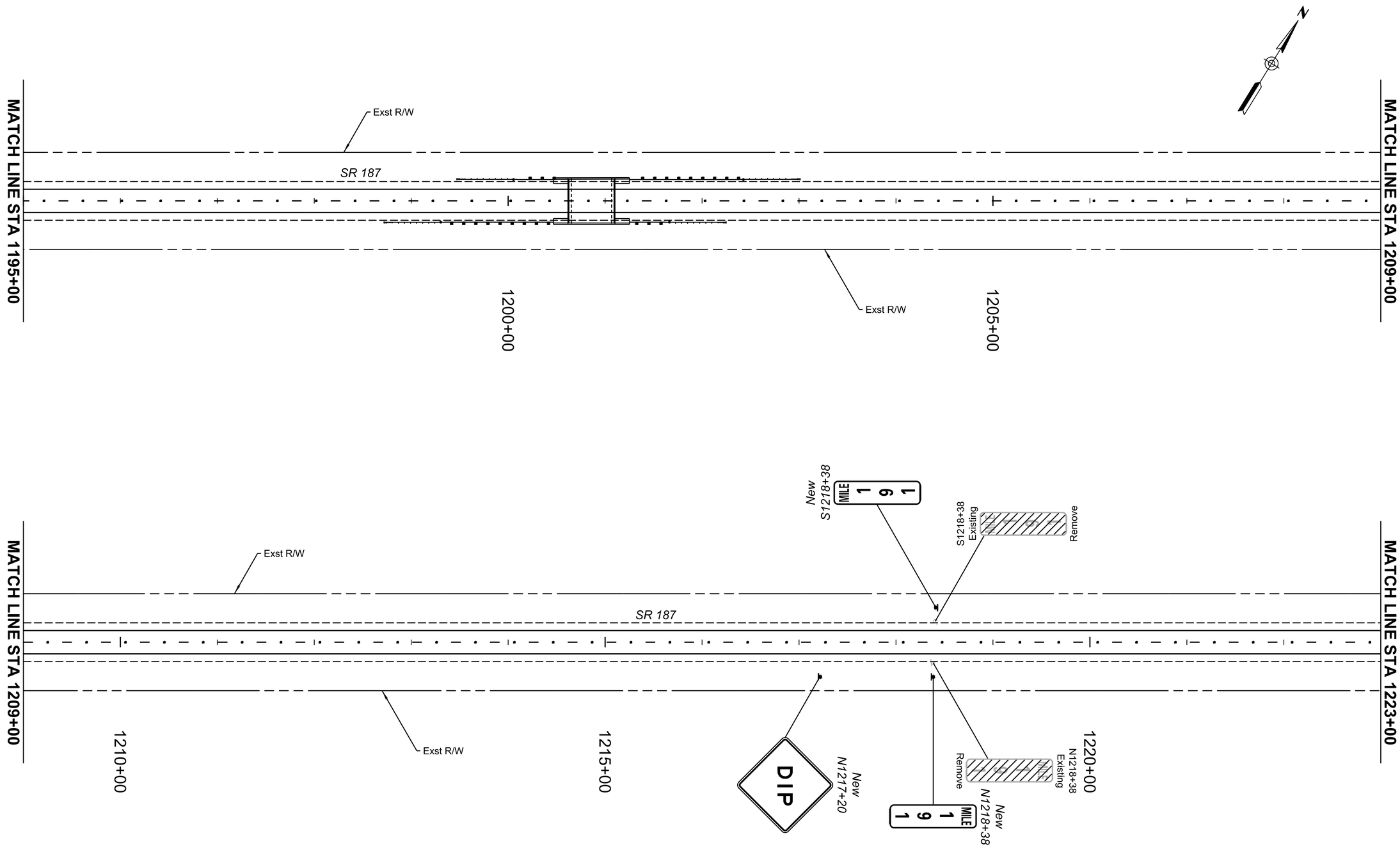

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40854 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 PLAN SHEET
SIGNING PLANS
Sta 1195+00 to 1223+00

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187		ARIZ.	187 PN 186	187-A(200)T	119	160	
MILEPOST	LOCATION	SR 187: SR 387 TO SR 87					DWG NO. T-06.08
STRUCTURE NO.	TRACS NO. F0641 01C	ADOT					___ OF___

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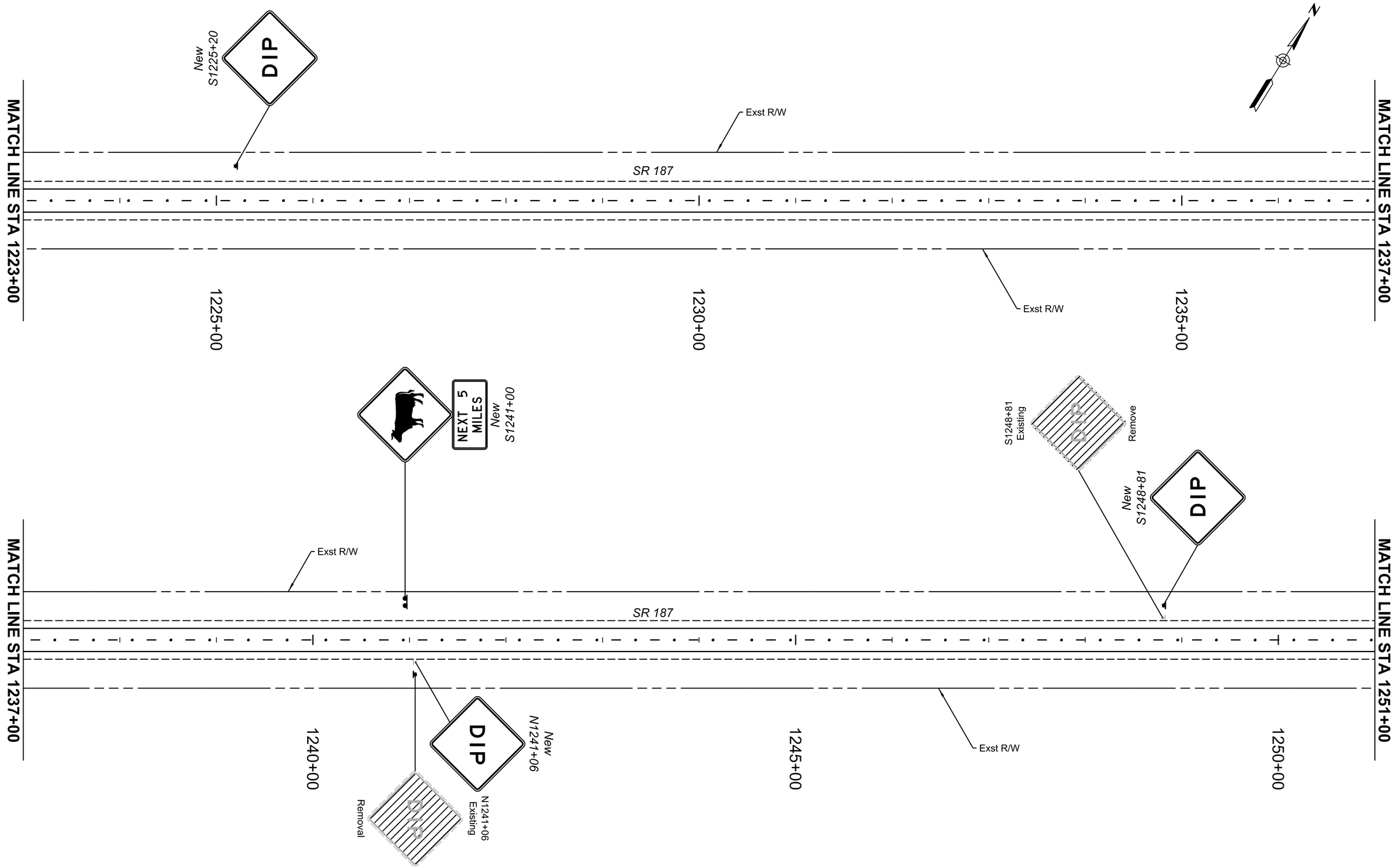

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40884 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 PLAN SHEET
SIGNING PLANS
Sta 1223+00 to 1251+00

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division

STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	187 PN 186	187-A(200)T	120	160	

LOCATION SR 187: SR 387 TO SR 87

DWG NO. T-06.09

TRACS NO. F0641 01C

ADOT

___ OF ___

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	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 33694 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 PLAN SHEET
SIGNING PLANS
Sta 1251+00 to 1279+00

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division

STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	187 PN 186	187-A(200)T	121	160	

LOCATION SR 187: SR 387 TO SR 87

TRACS NO. F0641 01C

ADOT

DWG NO. T-06.10

____ OF____

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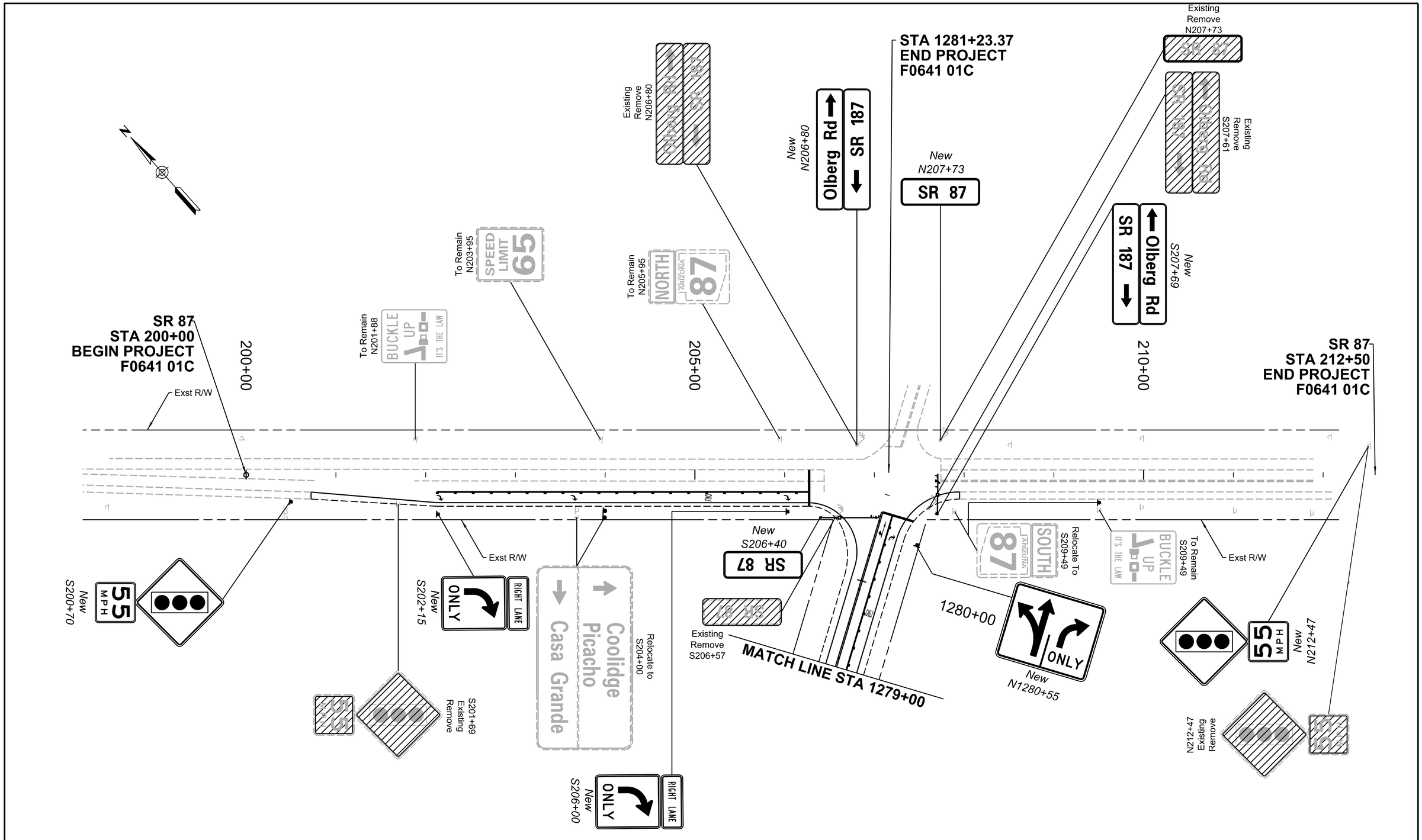


	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40864 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 87 PLAN SHEET
SIGNING PLANS

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	187 PN 186	187-A(200)T	122	160	

LOCATION SR 187: SR 387 TO SR 87

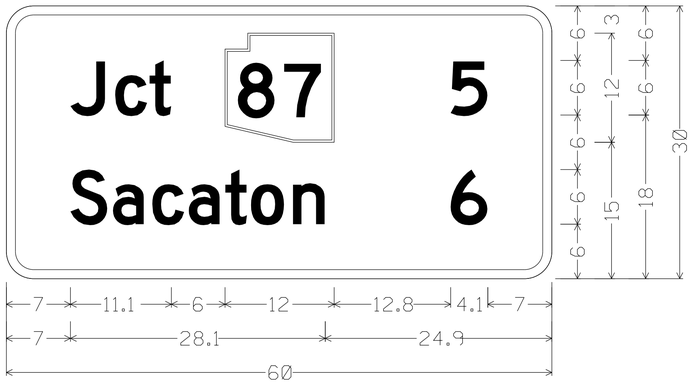
TRACS NO. F0641 01C

ADOT

DWG NO. T-06.11

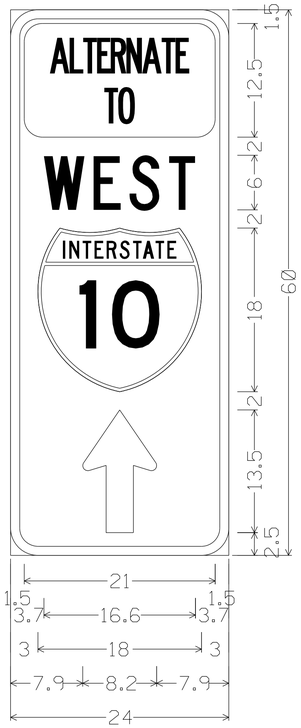
____ OF ____

8:40:06 AM 6/5/2025 RJNelson c:\users\rjnelson\appdata\local\bentley\projectwise\wci_projects\d0674809\F0641_Signing_11.dgn

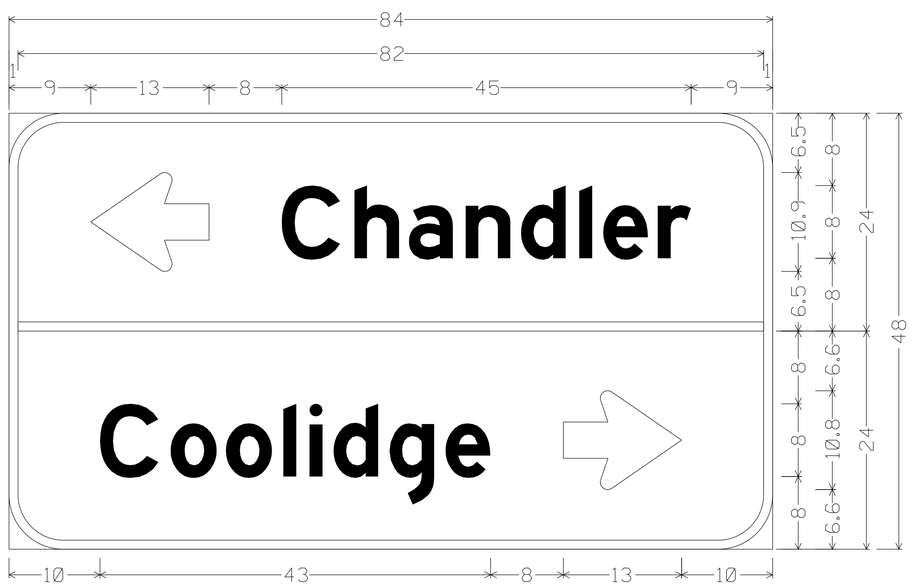


D2-2 (Standard);
3.0" Radius, 1.0" Border, White on, Green;
"Jct", D; State Highway 87 M1-5c; "5", D;
"Sacaton", D; "6", D;

D2-2 (Standard);
3.0" Radius, 1.0" Border, White on, Green;
"Casa Grande", D; "14", D; "Tucson", D; "81", D;



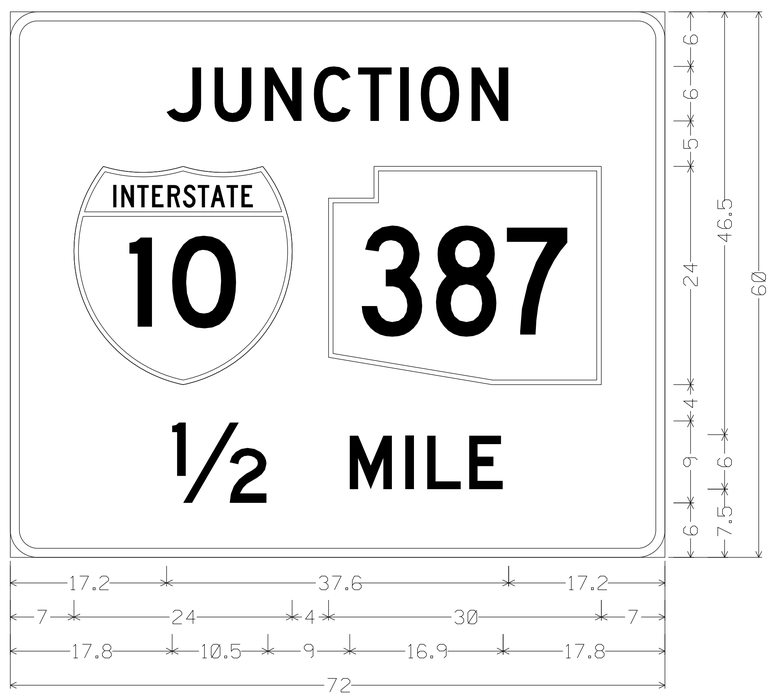
SPECIALITY;
3.0" Radius, 1.0" Border, White on, Green;
Rounded Rectangle 2.0" Radius Yellow;
"WEST", C 95% spacing;
Standard Arrow Custom 13.5" X 8.1" 90';



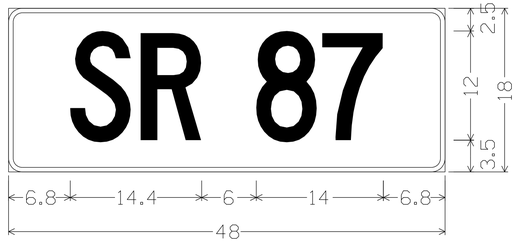
D1-2 (Ramp - Crossroad);

6.0" Radius, 1.0" Border, White on, Green;
Standard Arrow Custom 13.0" X 10.9" 180'; "Chandler", E;

6.0" Radius, 1.0" Border, White on, Green;
"Coolidge", E; Standard Arrow Custom 13.0" X 10.9" 0';



M2-101a (Standard);
3.0" Radius, 1.0" Border, White on, Green;
"JUNCTION", D; State Highway 387 M1-5d; "1/2", D;
"MILE", D;



D3-1 (Overhead);
1.5" Radius, 0.5" Border, White on, Green;
"SR", C 2K 50% spacing;
"87", C 2K 50% spacing;

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40864 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SIGN FORMATS

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division

STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	187 PN 186	187-A(200)T	123	160	

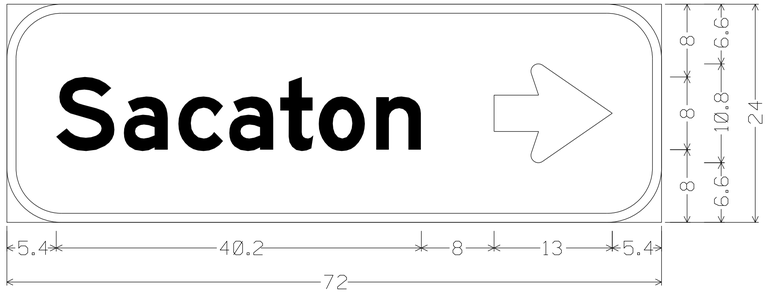
LOCATION SR 187: SR 387 TO SR 87

TRACS NO. F0641 01C

ADOT

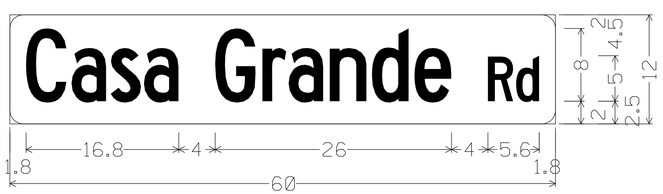
DWG NO. T-07.01

___ OF ___



D1-1 (Ramp - Crossroad);
6.0" Radius, 1.0" Border, White on, Green;
"Sacaton", E; Standard Arrow Custom 13.0" X 10.9" 0';

D1-1 (Ramp - Crossroad);
6.0" Radius, 1.0" Border, White on, Green;
Standard Arrow Custom 13.0" X 10.9" 180'; "Sacaton", E;

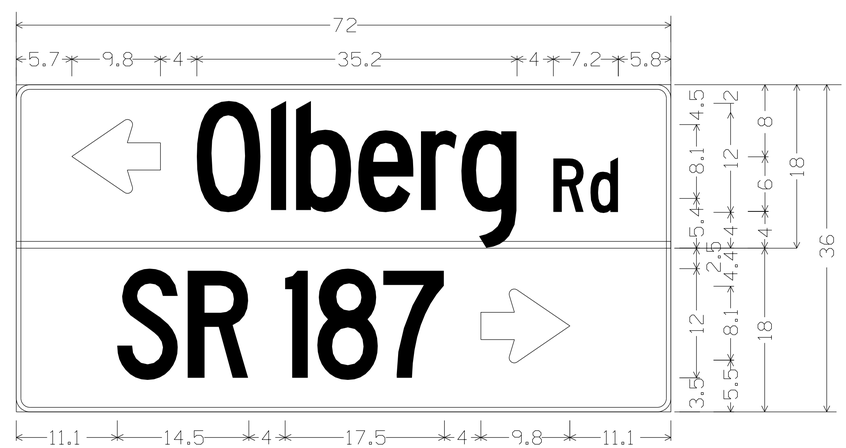


D3-1 (Standard);
1.5" Radius, 0.0" Border, White on, Yellow;
"Casa", C 2K 50% spacing;
"Grande", C 2K 50% spacing; "Rd", C 2K 50% spacing;

D3-1 (Overhead);

1.5" Radius, 0.5" Border, White on, Green;
Standard Arrow Custom 9.8" X 8.1" 180'; "SR", C 50% spacing;
"187", C 50% spacing;

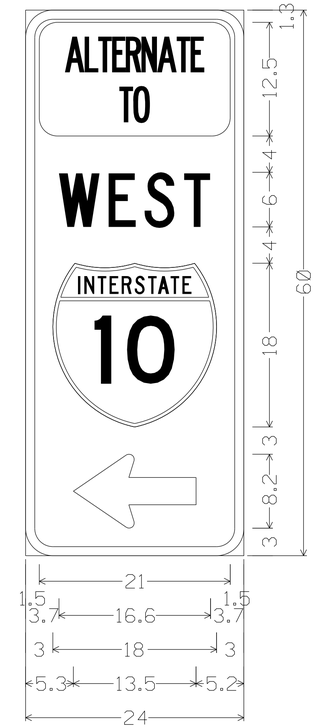
1.5" Radius, 0.5" Border, White on, Green;
"Olberg", C 50% spacing; "Rd", C;
Standard Arrow Custom 9.8" X 8.1" 0';



D3-1 (Overhead);

1.5" Radius, 0.5" Border, White on, Green;
Standard Arrow Custom 9.8" X 8.1" 180';
"Olberg", C 2K 50% spacing; "Rd", C 2K;

1.5" Radius, 0.5" Border, White on, Green;
"SR", C 2K 50% spacing; "187", C 2K 50% spacing;
Standard Arrow Custom 9.8" X 8.1" 0';



SPECIALITY;
3.0" Radius, 1.0" Border, White on, Green;
Rounded Rectangle 2.0" Radius Yellow;
"WEST", C 95% spacing;
Standard Arrow Custom 13.5" X 8.1" 180';

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 36664 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SIGN FORMATS

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division

STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	187 PN 186	187-A(200)T	124	160	

LOCATION SR 187: SR 387 TO SR 87

DWG NO. T-07.02

TRACS NO. F0641 01C

ADOT

____ OF____

TRAFFIC SIGNAL GENERAL NOTES:

1. *All materials and installation shall conform to the 2021 Standard Specifications and ADOT's most current Traffic Signal and Lighting Standard Drawings.*

2. *The locations of utilities shown on the plans are approximate. All involved utilities may not be shown on the plans. The Contractor shall be responsible, per Section 730-6 of the Standard Specifications, for contracting all utilities for exact locations prior to any construction activity.*

3. *For electrical service, the contractor shall coordinate with Gila River Indian Community Utility Authority (GRICUA) at (520) 796-0600.*

4. *All conduits shall have No. 8 AWG green bond wire installed per Section 732-2.01 of the Standard Specifications.*

5. *All electrical pull boxes at the signal shall be Type #7 with the exception of the signal cabinet pull box which shall be a Type #7 with extension, grey color only.*

6. *All pull boxes shall be left in clean condition, free of dirt and debris upon completion of work.*

7. *Top of pole foundation cap and bottom of pole base plate shall be field determined by contractor survey to be flush with the finished sidewalk, ramp, or adjacent finished roadway surface and shall be installed in a manner to meet all ADA requirements. In slopes areas, construct compacted fill around foundations for full structural support at poles.*

8. *Prior to ADOT's acceptance of conduit and prior to pulling conductors, cables, wires, and/or fiber optic cables, all conduit(s) (new and existing) to be incorporated into the new system as provided for on the Project Plans shall be cleaned and blown out with compressed air in the presence of the Engineer. A properly sized conduit piston or mandrel shall be pulled through the entire conduit system in the presence of the Engineer prior to installation of conductors, cables, wires, and/or fiber optic cables to ensure no obstructions or debris exist in the conduit. No water or moisture shall remain in the conduit(s) prior to installation of conductors, cables, wires, and/or fiber optic cables.*

9. *Prior to manufacture, shop drawings of all signal poles, signal arms, and luminaire arms shall be provided to the Engineer for examination and confirmation that all the said equipment meets the requirements of height, length, and placement of tenons for mounting traffic signals on arms as indicated in the plans, and requirements of metal gauge, bolt size, and strength as indicated in ADOT Standard Drawings.*

10. *All traffic signal locations shall be staked by the contractor and shall coordinate with the Engineer to contact ADOT Southern Region Traffic Signal Supervisor to approve final locations.*

11. *All new pole foundations shall be inspected by the Engineer prior to placement of concrete. Location and installation of all poles shall provide 10 feet or greater clearance between all poles/arms/fixtures/features and any electrical power lines. The minimum clearance may be greater for power lines with higher voltage. The contractor shall contact Gila River Indian Community Utility Authority (GRICUA) at (520) 796-0600 for information on line voltage and minimum clearance distance.*

12. *All back plates for signal faces shall be louvered.*

13. *Use ADOT Standard Drawing S-9 to mount signs to signal poles.*

14. *See striping plans to verify actual lane dimensions and stop bar locations.*

15. *The contractor shall have at least one IMSA Level I and one IMSA Level II certified traffic signal technician on site during all phases of any traffic signal work. It is the responsibility of the contractor to provide verification of certification. If a job is inspected and no certified technicians are present on the jobsite, the traffic signal work will be suspended.*

16. *All horizontal mount luminaires shall be marked with their lamp wattage. These markings shall be visible from the ground.*

17. *All lighting shall be installed with the mast arm perpendicular to the roadway on which they are located.*

18. *The relocated traffic signal cabinet shall be wired in the field by the contractor in the presence of the Engineer. The cabinet shall be flashed out for functionality and fully operational prior to signal activation.*

19. *The contractor shall perform a ground resistance test for each installed ground rod and each pole foundation grounding coil in accordance with subsection 732-3.03. All shall be documented and given to the Engineer.*

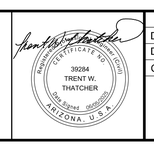
20. *The IMSA wiring from control cabinet and each pole terminal compartment shall be unspliced and shall not have the jacket removed inside the pole base.*

21. *All signal mounting locations shall be inspected and approved by ADOT Traffic Signal Supervisor or Designee prior to drilling pole. Mounting nipples may require additional lengths, if required by Supervisor, at no additional cost to ADOT. Contact the ADOT Traffic Signal Supervisor Jesus Valdez Jr. at (520) 307-1753, or ADOT Superintendent Lawrence Santa Maria at (520) 269-2596 or (520) 838-2841.*

22. *The face of any vehicle or pedestrian signal head that is not in service shall be covered with a prefabricated nylon cover designed to completely cover the visors and lenses. The covers shall be securely held in place by integral nylon straps and buckles. The cover shall have a fine mesh strip through the center to permit testing of the signals without removing the cover. Burlap, cardboard, or a plastic bag shall not be used to cover out of service signal heads.*

23. *All luminaries shall be individually fused per ADOT Standard Drawings with correct ampere low peak rated fuse.*

24. *Remove and dispose of the existing traffic signal conduits and conductors, per Section 737-3.03 of the Standard Specifications, or as directed by the Engineer.*



	NAME	DATE
DESIGN	CMW	06/25
DRAWN	CMW	06/25
CHECKED	TWT	06/25

WILSON & COMPANY

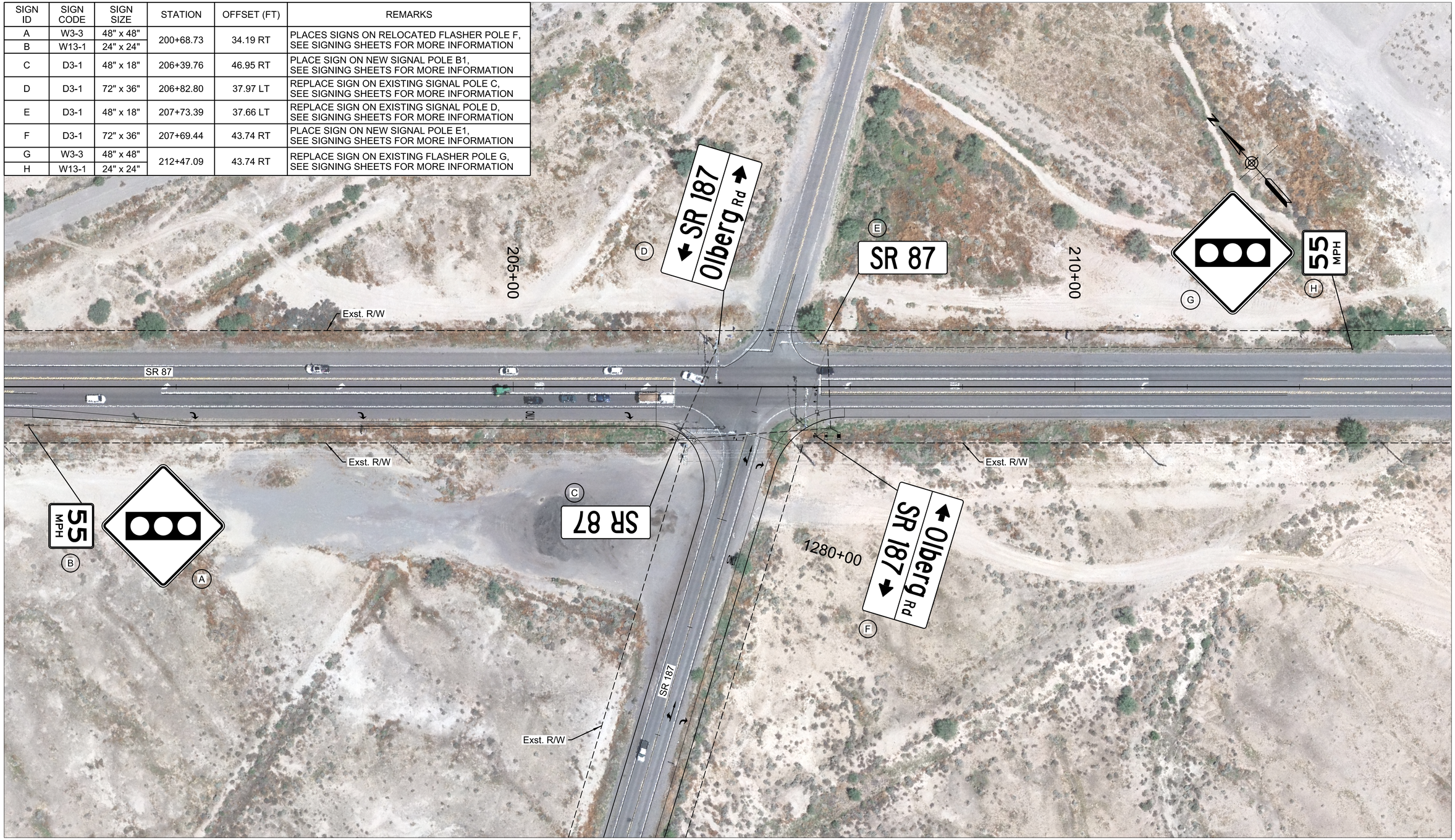
ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

TRAFFIC SIGNAL GENERAL NOTES

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187		ARIZ.	187 PN 186	187-A(200)T	125	160	
MILEPOST	LOCATION	SR 187: SR 387 TO SR 87					DWG NO. T-08.01
STRUCTURE NO.	TRACS NO. F0641 01C	ADOT					___ OF___

$TIME$ $DATE$ $USERNAME$ $FILE$

SIGN ID	SIGN CODE	SIGN SIZE	STATION	OFFSET (FT)	REMARKS
A	W3-3	48" x 48"	200+68.73	34.19 RT	PLACES SIGNS ON RELOCATED FLASHER POLE F, SEE SIGNING SHEETS FOR MORE INFORMATION
B	W13-1	24" x 24"			
C	D3-1	48" x 18"	206+39.76	46.95 RT	PLACE SIGN ON NEW SIGNAL POLE B1, SEE SIGNING SHEETS FOR MORE INFORMATION
D	D3-1	72" x 36"	206+82.80	37.97 LT	REPLACE SIGN ON EXISTING SIGNAL POLE C, SEE SIGNING SHEETS FOR MORE INFORMATION
E	D3-1	48" x 18"	207+73.39	37.66 LT	REPLACE SIGN ON EXISTING SIGNAL POLE D, SEE SIGNING SHEETS FOR MORE INFORMATION
F	D3-1	72" x 36"	207+69.44	43.74 RT	PLACE SIGN ON NEW SIGNAL POLE E1, SEE SIGNING SHEETS FOR MORE INFORMATION
G	W3-3	48" x 48"	212+47.09	43.74 RT	REPLACE SIGN ON EXISTING FLASHER POLE G, SEE SIGNING SHEETS FOR MORE INFORMATION
H	W13-1	24" x 24"			



	NAME	DATE
DESIGN	CMW	06/25
DRAWN	CMW	06/25
CHECKED	TWT	06/25

39284 TRENT W. THATCHER CERTIFICATE NO. Not Signed ARIZONA, U.S.A.

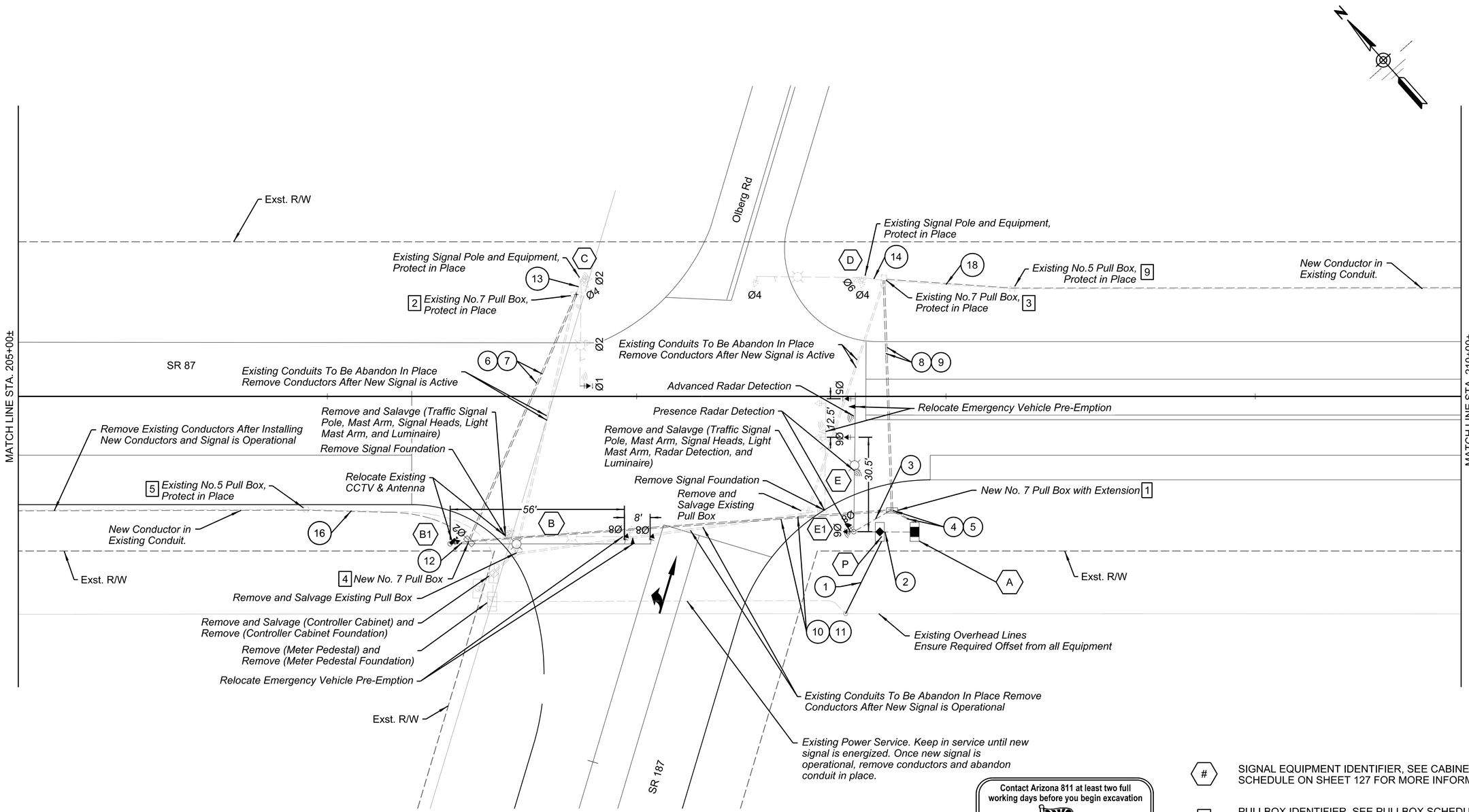
WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

TRAFFIC SIGNAL SIGNING PLAN

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187		ARIZ.	187 PN 186	187-A(200)T	126	160	
MILEPOST	LOCATION	SR 187: SR 387 TO SR 87					DWG NO. T-08.02
STRUCTURE NO.	TRACS NO. F0641 01C		ADOT				___ OF___

$TIME$ $DATE$ $USERNAME$ $FILE$



Contact Arizona 811 at least two full working days before you begin excavation

ARIZONA811 BLUE STAKE, INC.

Call 811 or click Arizona811.com

(#) SIGNAL EQUIPMENT IDENTIFIER, SEE CABINET & POLE SCHEDULE ON SHEET 127 FOR MORE INFORMATION.

[#] PULLBOX IDENTIFIER, SEE PULLBOX SCHEDULE ON SHEET 127 FOR MORE INFORMATION.

(#) CONDUIT IDENTIFIER, SEE CONDUCTOR SCHEDULE ON SHEET 127 FOR MORE INFORMATION.

	NAME	DATE
DESIGN	CMW	06/25
DRAWN	CMW	06/25
CHECKED	TWT	06/25

39284 TRENT W. THATCHER Date Signed 06/25/2025 ARIZONA, U.S.A.

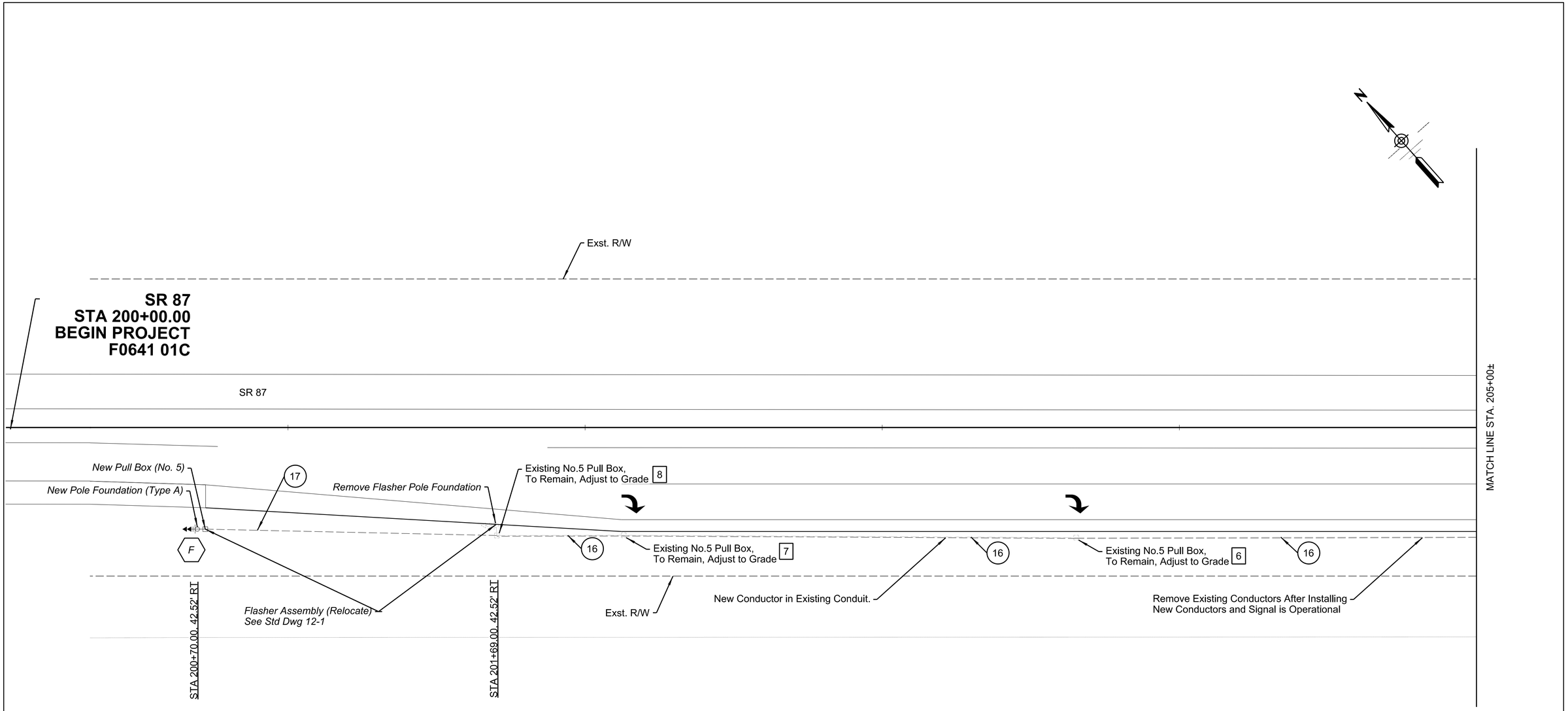
WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

TRAFFIC SIGNAL PLAN
SR 87 AT SR 187 & OLBERG RD

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187		ARIZ.	187 PN 186	187-A(200)T	127	160	
MILEPOST	LOCATION	SR 187: SR 387 TO SR 87				DWG NO. T-08.03	
STRUCTURE NO.	TRACS NO. F0641 01C	ADOT				___ OF___	

$TIME$ $DATE$ $USERNAME$ $FILE$



Contact Arizona 811 at least two full working days before you begin excavation

ARIZONA811 BLUE STAKE, INC.

Call 811 or click Arizona811.com

SIGNAL EQUIPMENT IDENTIFIER, SEE CABINET & POLE SCHEDULE ON SHEET 129 FOR MORE INFORMATION.

PULLBOX IDENTIFIER, SEE PULLBOX SCHEDULE ON SHEET 129 FOR MORE INFORMATION.

CONDUIT IDENTIFIER, SEE CONDUCTOR SCHEDULE ON SHEET 129 FOR MORE INFORMATION.

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 39284 TRENT W. THATCHER Date Signed 06/25/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	CMW	06/25
DRAWN	CMW	06/25
CHECKED	TWT	06/25

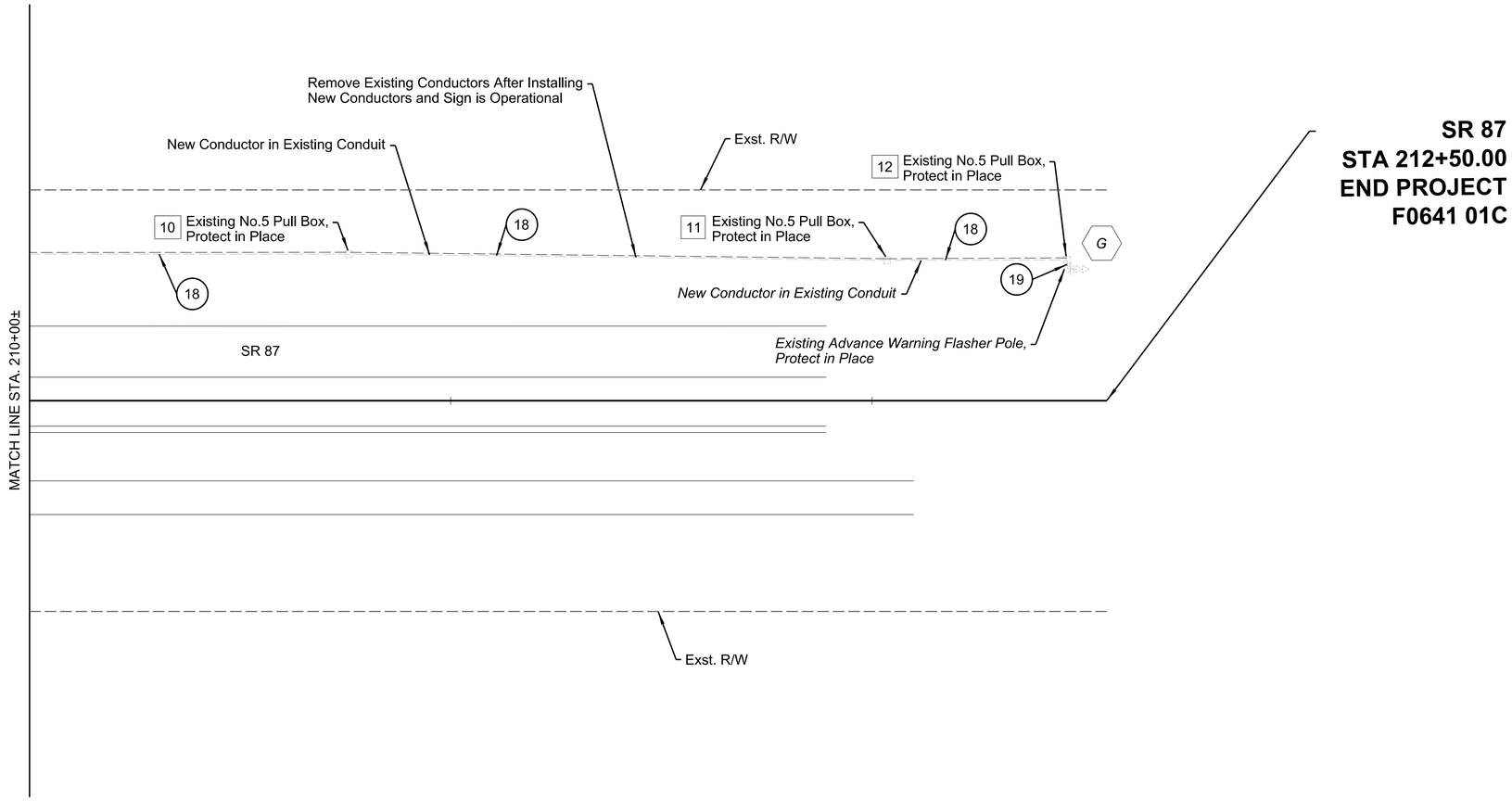
WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

TRAFFIC SIGNAL PLAN
SR 187

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187		ARIZ.	187 PN 186	187-A(200)T	128	160	
MILEPOST	LOCATION	SR 187: SR 387 TO SR 87					DWG NO. T-08.04
STRUCTURE NO.	TRACS NO. F0641 01C	ADOT					___ OF___

$TIME$ $DATE$ $USERNAME$ $FILE$



SR 87
STA 212+50.00
END PROJECT
F0641 01C

Contact Arizona 811 at least two full working days before you begin excavation

ARIZONA811 BLUE STAKE, INC.

Call 811 or click Arizona811.com

SIGNAL EQUIPMENT IDENTIFIER, SEE CABINET & POLE SCHEDULE ON SHEET 129 FOR MORE INFORMATION.

PULLBOX IDENTIFIER, SEE PULLBOX SCHEDULE ON SHEET 129 FOR MORE INFORMATION.

CONDUIT IDENTIFIER, SEE CONDUCTOR SCHEDULE ON SHEET 129 FOR MORE INFORMATION.

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 39284 TRENT W. THATCHER Date Signed 06/25/2025 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	CMW	06/25
DRAWN	CMW	06/25
CHECKED	TWT	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

TRAFFIC SIGNAL PLAN
SR 187

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187		ARIZ.	187 PN 186	187-A(200)T	129	160	
MILEPOST	LOCATION	SR 187: SR 387 TO SR 87					DWG NO. T-08.05
STRUCTURE NO.	TRACS NO. F0641 01C		ADOT				___ OF ___

$TIME$ $DATE$ $USERNAME$ $FILE$

CABINET & POLE SCHEDULE

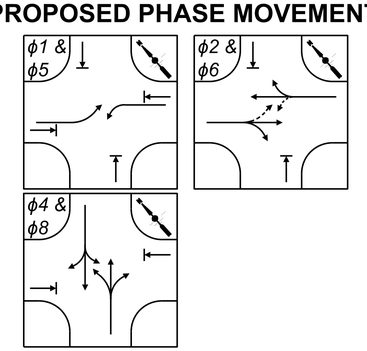
TRAFFIC SIGNAL CONTROLLER				REMARKS	LOCATION
CABINET	TYPE	CONTROLLER	AUX. CONTROL		
A — P.E.C.	Type V With Elevator Base	Existing MPS-8ϕ Menu-driven Econolite Cobalt With LCD Display	Install PEC and 20 amp fused lighting contactor	Cabinet and Controller	Sta 207+79.37 41.67 RT
P	Fully Metered Service	Fully Metered Service	Stand Alone Cabinet UPS System for Circuits	Load Center and Meter Pedestal	Sta 207+90.37 41.67 RT

POLE		MAST ARM		SIGNALS		P.B.	REMARKS	LOCATION
	TYPE	SIG.	LUM.	MTG.	FACE	SIGN		
B	Q	30'	20'	1-II 1-VII	3-F		Remove and Salvage Signal Equipment and Remove Signal Foundation	Sta 206+57.70 45.17 RT
B1	W	65'	20'	2-II 1-VII	3-F		Mast arm mounted presence, advanced detection radar unit, luminaire, EVP, vibration mitigation device & CCTV	Sta 206+39.80 45.55 RT
C	Q	35'	20'	2-II 1-VII	3-F 1-G		New Type G Signal Head on Existing Signal Mast Arm. All Other Equipment Protect in Place.	Sta 206+57.70 40.12 LT
D	Q	35'	20'	1-II 1-VII	3-F		Existing Signal Pole and Attached Equipment to be Protected in Place	Sta 207+73.60 40.55 LT
E	Q	35'	20'	2-II 1-VII	4-F		Remove and Salvage Signal Equipment and Remove Signal Foundation	Sta 207+60.88 34.73 RT
E1	R	45'	20'	2-II 2-VII	3-F 1-G		Mast arm mounted presence, advanced detection radar unit, luminaire, EVP & vibration mitigation device	Sta 207+70.38 41.60 RT
F	Existing 17' A-Pole W/ Brk Away Base T.S. 12-1			1-III 1-XI	2-D		Existing Flasher Pole and Attached Equipment to be Relocated. Per Std. Dwg. T.S. 12-1 with W3-3 & W13-1P Sign	Sta 200+69.59 32.04 RT
G	17' A-Pole W/ Brk Away Base T.S. 12-1			1-III 1-XI	2-D		Existing Flasher Pole and Attached Equipment to be Protected in Place	Sta 212+46.49 33.44 LT

PULLBOX SCHEDULE

NO	TYPE	LOCATION	NO	TYPE	LOCATION
1	#7 w/ Ext	Sta 207+82.65, 34.72 RT	7	#5	Existing, Protect in Place
2	#7	Existing, Protect in Place	8	#5	Existing, Protect in Place
3	#7	Existing, Protect in Place	9	#5	Existing, Protect in Place
4	#7	Sta 206+45.99, 45.71 RT	10	#5	Existing, Protect in Place
5	#5	Existing, Protect in Place	11	#5	Existing, Protect in Place
6	#5	Existing, Protect in Place	12	#5	Existing, Protect in Place

PROPOSED PHASE MOVEMENTS



CONDUCTOR SCHEDULE

	CONDUIT RUN NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
	CONDUIT SIZE IN INCHES	3	3	3	3	3	3	3	3	3	3	3	3	E	E		E	2	E	E
AWG	DESCRIPTION	NUMBER OF WIRES																		
IMSA	20 CONDUCTOR CABLE POLE B1					1						1	1							
	20 CONDUCTOR CABLE POLE C					1		1				1		1						
	20 CONDUCTOR CABLE POLE D					1				1					1					
	20 CONDUCTOR CABLE POLE E1			1		1														
	7 CONDUCTOR CABLE POLE F					1				1									1	1
	7 CONDUCTOR CABLE POLE G					1											1	1		
+	RADAR DETECTION ϕ8			3	6		3				3			3						
+	CCTV			1							1		1							
##	EMERGENCY VEHICLE PRE- EMPTION			1	4		1		1		2		1	1	1					
#12	LIGHTING 240V			2	2		2		2		2		2	2	2					
#8	SIGNAL COMMON WHITE θ			1	1		1		1		1		1	1	1					
	INSULATED BOND (GREEN)			1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1
#6	SERVICE 120 VOLTS BLACK		2																	
	SERVICE 120 VOLTS WHITE		1																	
	SERVICE 120/240 VOLTS	<>																		

E EXISTING CONDUIT

THE IMSA 20-CONDUCTOR CABLE SHALL BE #14 AWG IMSA 19-1.
THE IMSA 7-CONDUCTOR AND 4-CONDUCTOR CABLE SHALL BE #14 AWG IMSA 19-1.

θ A CRIMP CONNECTION SHALL BE USED FOR SPLICING IN PULL BOX.

<> CONDUCTORS BY UTILITY COMPANY. CONDUIT BY CONTRACTOR. CONDUIT PER UTILITY REQUIREMENTS.

FURNISH 4-CONDUCTOR, #20 AWG STRANDED CONDUCTORS, SHIELDED, CHROME VINYL JACKETED CABLE, UNSPLICIED, FROM CONTROLLER CABINET TO YELLOW SECTION OF END-OF-ARM SIGNAL HEAD, LEAVING 3' FOR FUTURE TERMINATION.

+ MANUFACTURER'S SPECIFIED CABLE

	NAME	DATE
DESIGN	CMW	06/25
DRAWN	CMW	06/25
CHECKED	TWT	06/25

39284 TRENT W. THATCHER ARIZONA, U.S.A.

WILSON & COMPANY

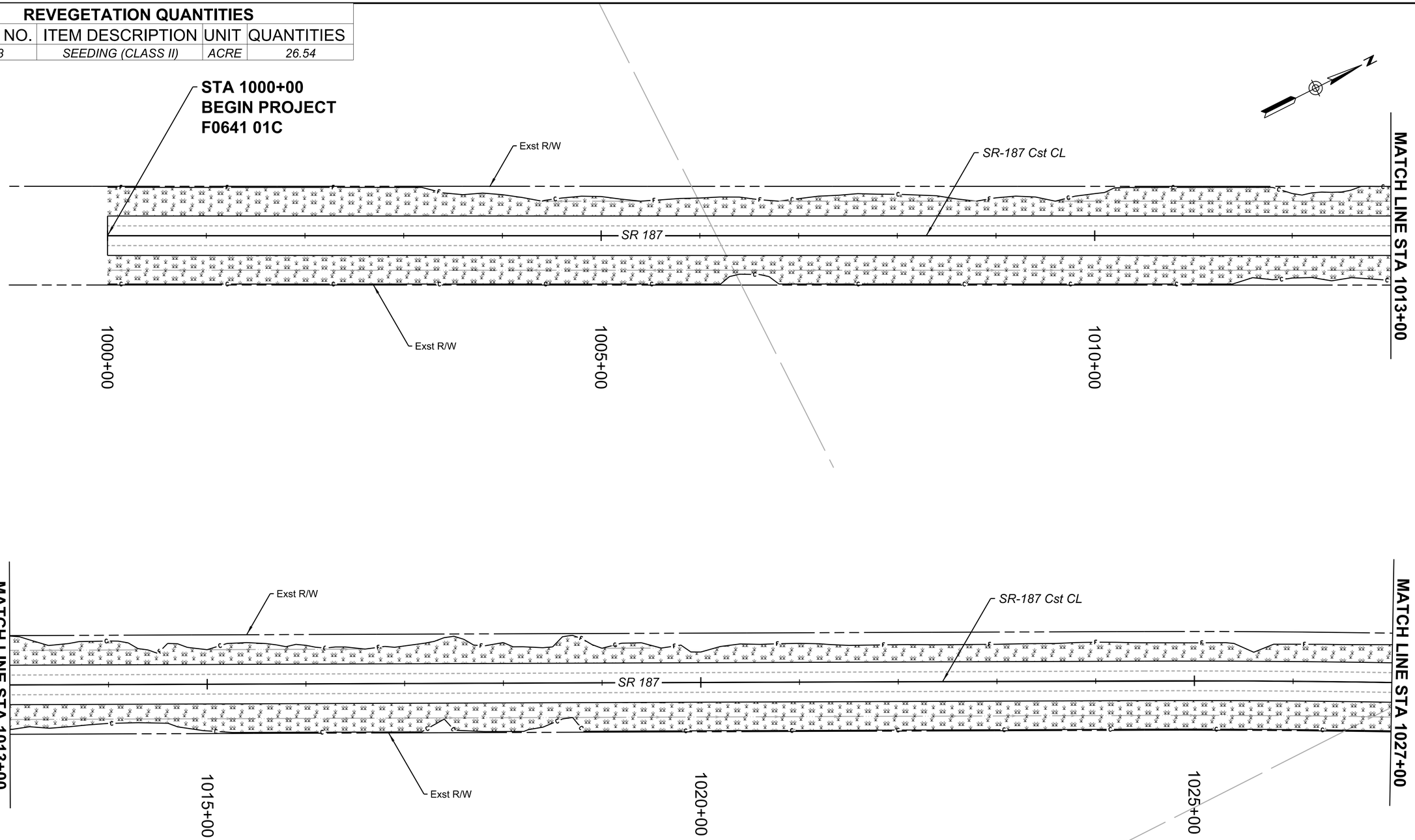
ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

POLE AND CONDUCTOR SCHEDULES

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187		ARIZ.	187 PN 186	187-A(200)T	130	160	
MILEPOST	LOCATION	SR 187: SR 387 TO SR 87					DWG NO. T-08.06
STRUCTURE NO.	TRACS NO. F0641 01C	ADOT					___ OF___

$TIME$ $DATE$ $USERNAME$ $FILE$

REVEGETATION QUANTITIES			
BID ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITIES
8050003	*SEEDING (CLASS II)*	*ACRE*	*26.54*



SYM	DESCRIPTION	QUANTITY
	Seeding - Class II	*3.02 ACRES*

NOTES:

1. *Make necessary field adjustments to ensure the layout/installation of seeding and erosion/sediment control measures (CMs/BMPs) is accomplished according to the actual limits of soil/ground disturbance as approved by the Engineer.*

REGISTERED PROFESSIONAL ENGINEER (CIVIL) 40854 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 REVEGETATION / SEEDING PLAN
Sta 1000+00 to 1027+00

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	187 PN 186	187-A(200)T	131	160	

LOCATION SR 187: SR 387 TO SR 87

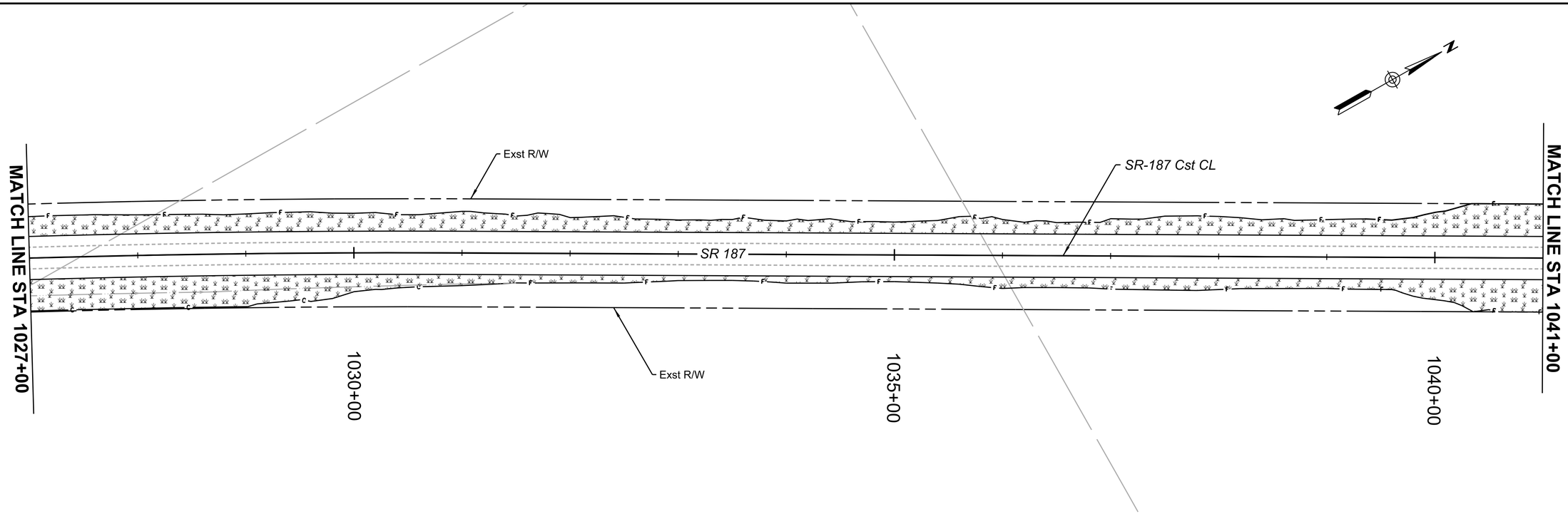
DWG NO. R-01.01

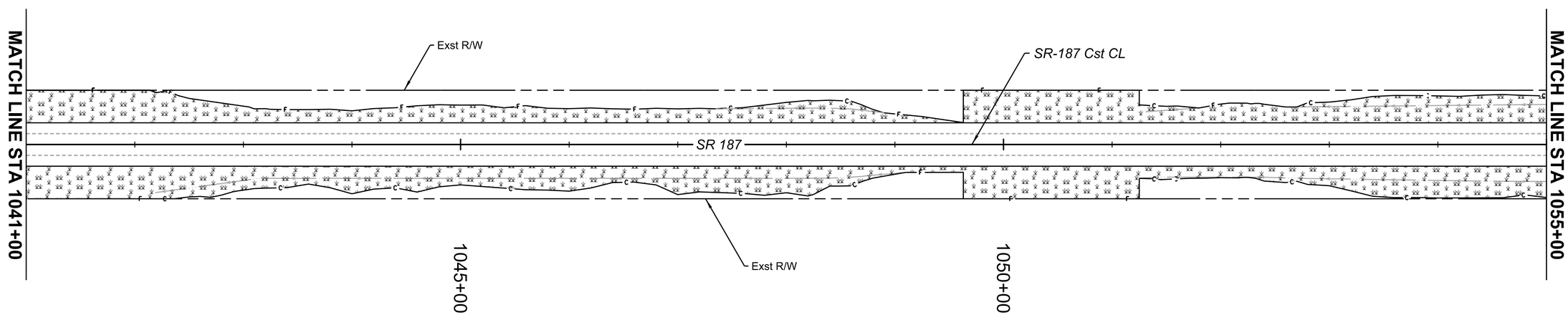
TRACS NO. F0641 01C

ADOT

____ OF____

8:41:46 AM 6/5/2025 RJNelson c:\users\rjnelson\appdata\local\bentley\projectwise\wci_projects\d0675546\F0641_Seeding_01.dgn





SYM	DESCRIPTION	QUANTITY
	Seeding - Class II	2.29 ACRES

NOTES:

1. *Make necessary field adjustments to ensure the layout/installation of seeding and erosion/sediment control measures (CMs/BMPs) is accomplished according to the actual limits of soil/ground disturbance as approved by the Engineer.*

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40854 OWEN R. MILLS Date Signed 6/5/25 ARIZONA U.S.A.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 REVEGETATION / SEEDING PLAN
Sta 1027+00 to 1055+00

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	187 PN 186	187-A(200)T	132	160	

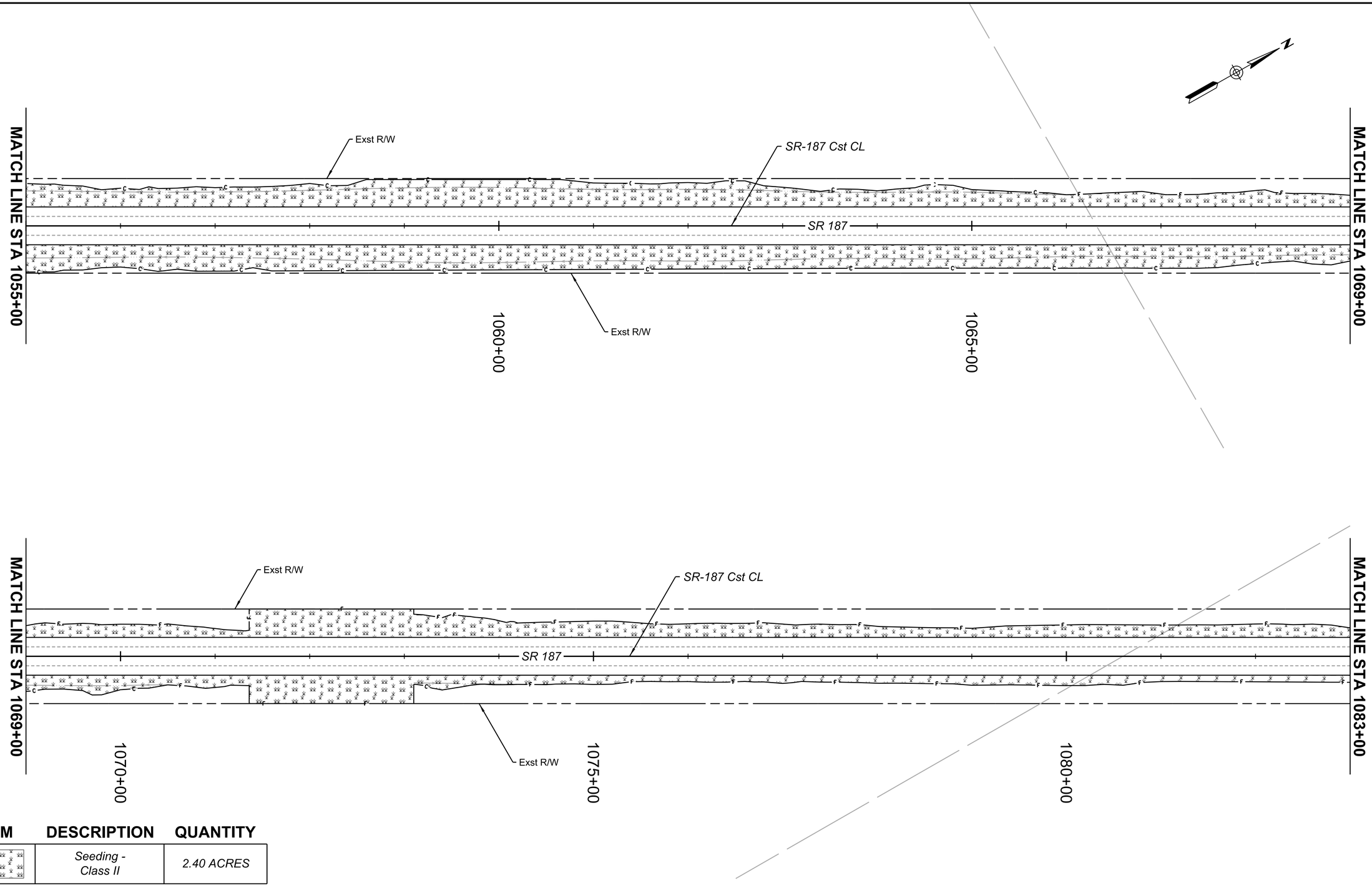
LOCATION SR 187: SR 387 TO SR 87

DWG NO. R-01.02

TRACS NO. F0641 01C

ADOT

____ OF____



SYM	DESCRIPTION	QUANTITY
	Seeding - Class II	2.40 ACRES

NOTES:

1. *Make necessary field adjustments to ensure the layout/installation of seeding and erosion/sediment control measures (CMs/BMPs) is accomplished according to the actual limits of soil/ground disturbance as approved by the Engineer.*

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40854 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 REVEGETATION / SEEDING PLAN
Sta 1055+00 to 1083+00

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	187 PN 186	187-A(200)T	133	160	

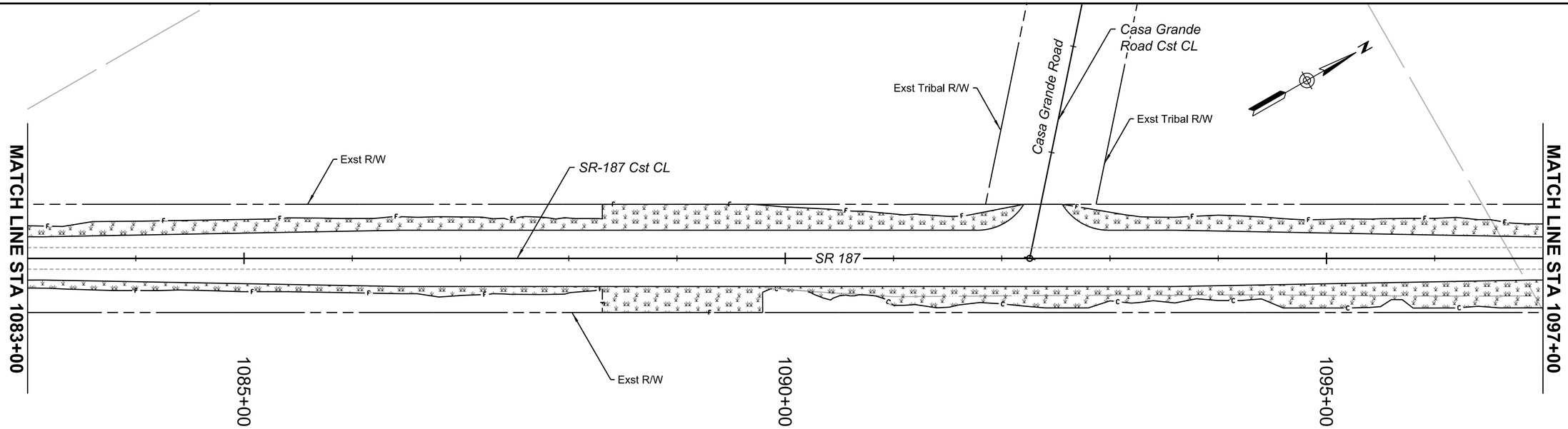
LOCATION SR 187: SR 387 TO SR 87

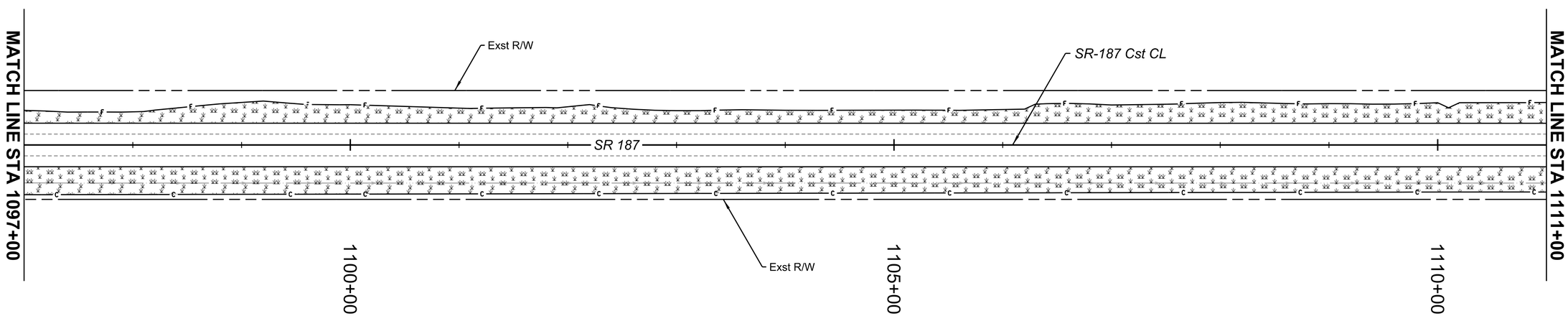
TRACS NO. F0641 01C

ADOT

DWG NO. R-01.03

____ OF____





SYM	DESCRIPTION	QUANTITY
	Seeding - Class II	2.18 ACRES

NOTES:

1. Make necessary field adjustments to ensure the layout/installation of seeding and erosion/sediment control measures (CMs/BMPs) is accomplished according to the actual limits of soil/ground disturbance as approved by the Engineer.

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40854 OWEN R. MILLS Date Signed 6/5/25 ARIZONA U.S.A.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 REVEGETATION / SEEDING PLAN
Sta 1083+00 to 1111+00

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	187 PN 186	187-A(200)T	134	160	

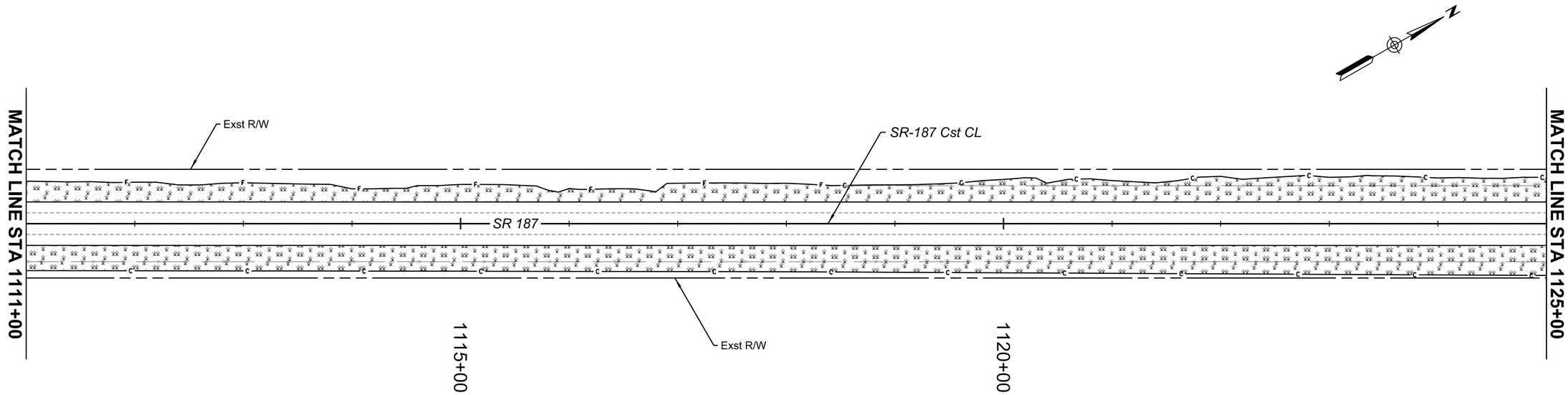
LOCATION SR 187: SR 387 TO SR 87

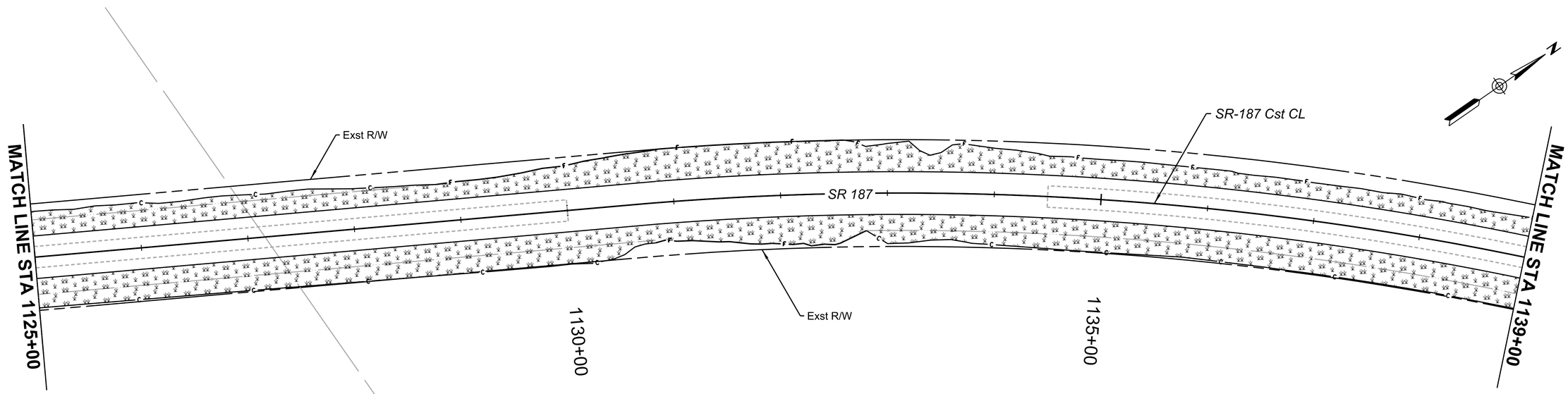
TRACS NO. F0641 01C

ADOT

DWG NO. R-01.04

____ OF____





SYM	DESCRIPTION	QUANTITY
	Seeding - Class II	2.93 ACRES

NOTES:

1. Make necessary field adjustments to ensure the layout/installation of seeding and erosion/sediment control measures (CMs/BMPs) is accomplished according to the actual limits of soil/ground disturbance as approved by the Engineer.

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40864 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

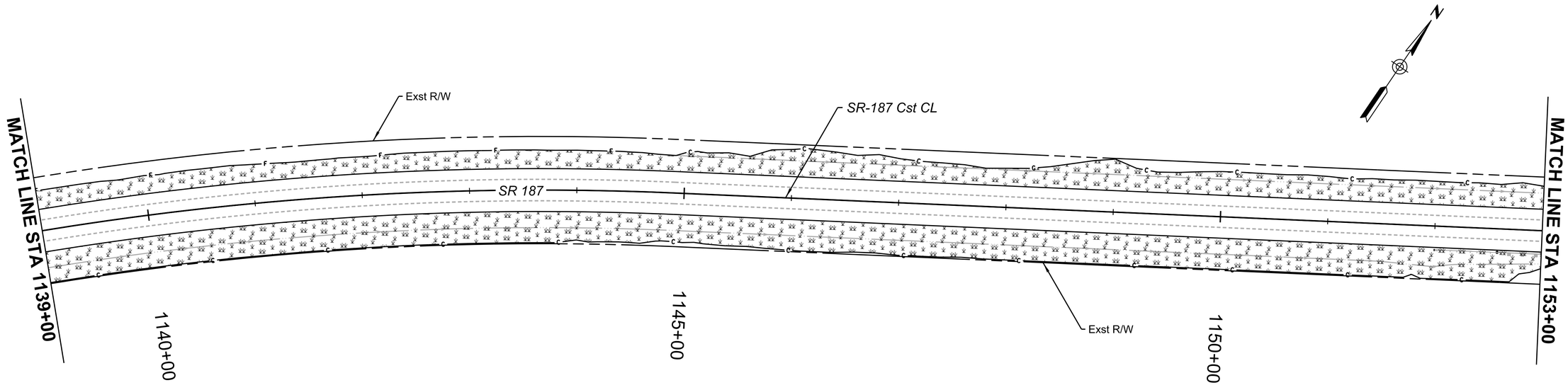
WILSON & COMPANY

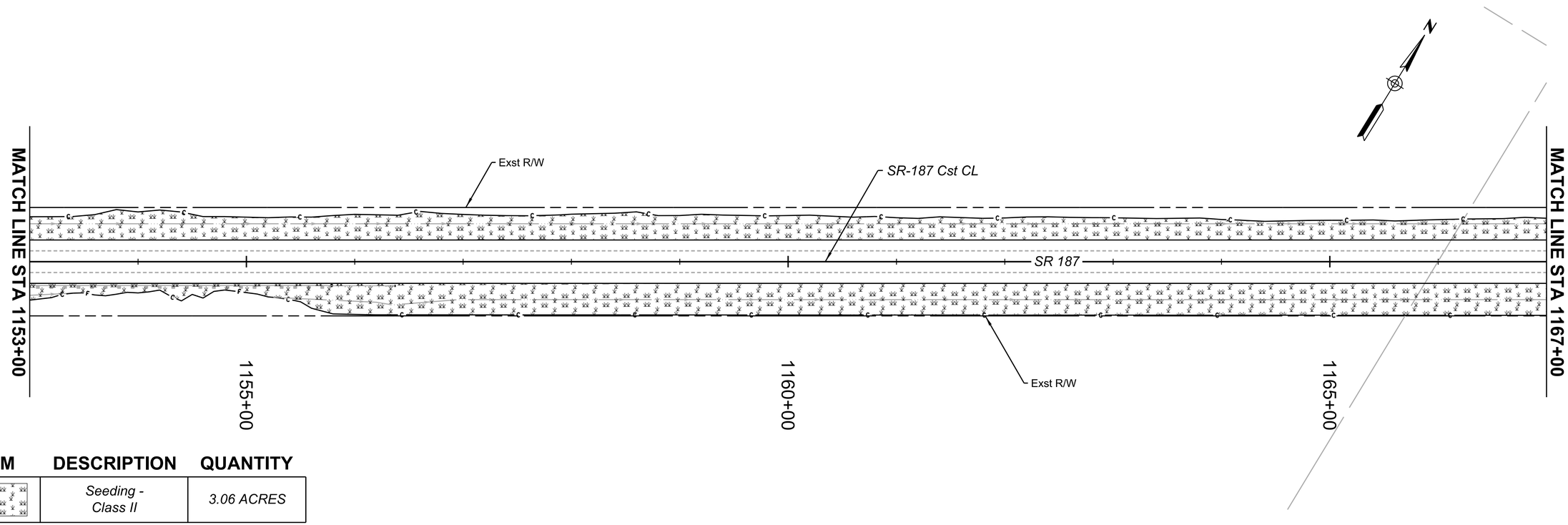
ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 REVEGETATION / SEEDING PLAN
Sta 1111+00 to 1139+00

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187		ARIZ.	187 PN 186	187-A(200)T	135	160	
MILEPOST	LOCATION	SR 187: SR 387 TO SR 87					DWG NO. R-01.05
STRUCTURE NO.	TRACS NO. F0641 01C	ADOT					___ OF___

8:42:34 AM 6/5/2025 RJNelson c:\users\rjnelson\appdata\local\bentley\projectwise\wci_projects\d0675546\F0641_Seeding_05.dgn





SYM	DESCRIPTION	QUANTITY
	Seeding - Class II	3.06 ACRES

NOTES:

1. Make necessary field adjustments to ensure the layout/installation of seeding and erosion/sediment control measures (CMs/BMPs) is accomplished according to the actual limits of soil/ground disturbance as approved by the Engineer.

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40884 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 REVEGETATION / SEEDING PLAN
Sta 1139+00 to 1167+00

ROUTE: SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division

STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	187 PN 186	187-A(200)T	136	160	

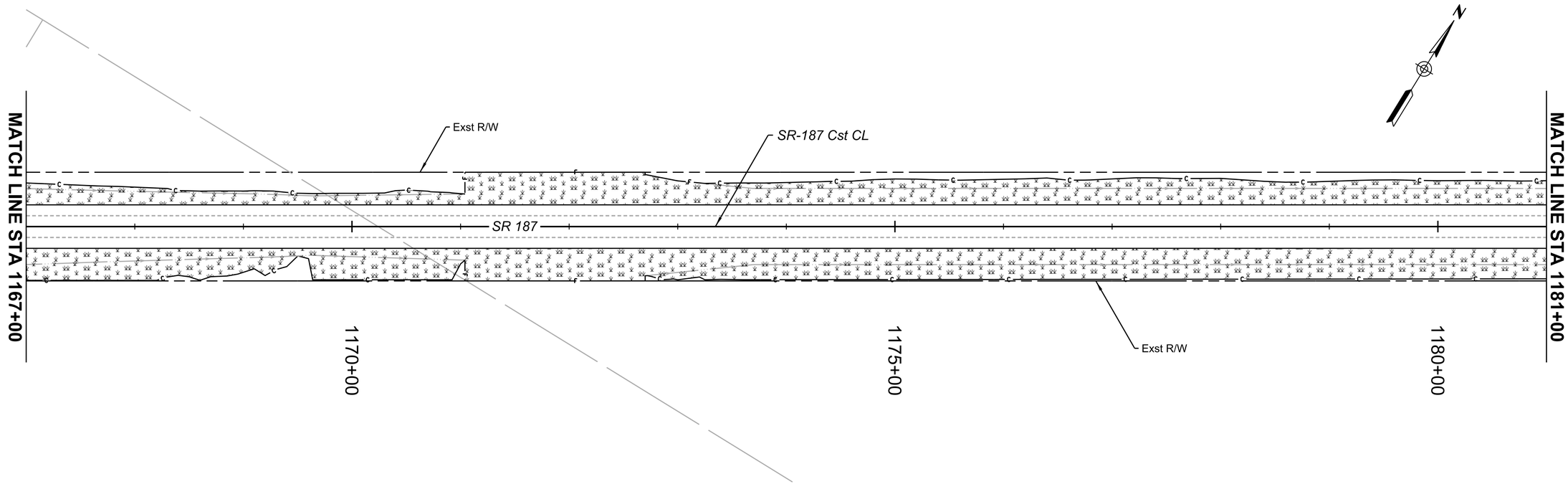
LOCATION: SR 187: SR 387 TO SR 87

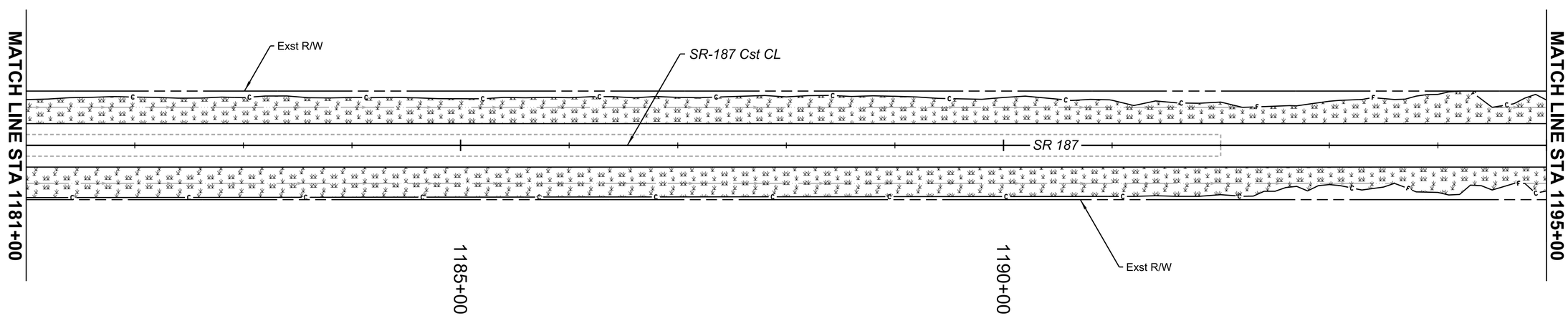
TRACS NO. F0641 01C

ADOT

DWG NO. R-01.06

____ OF____





SYM	DESCRIPTION	QUANTITY
	Seeding - Class II	3.15 ACRES

NOTES:

1. Make necessary field adjustments to ensure the layout/installation of seeding and erosion/sediment control measures (CMs/BMPs) is accomplished according to the actual limits of soil/ground disturbance as approved by the Engineer.

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 40854 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

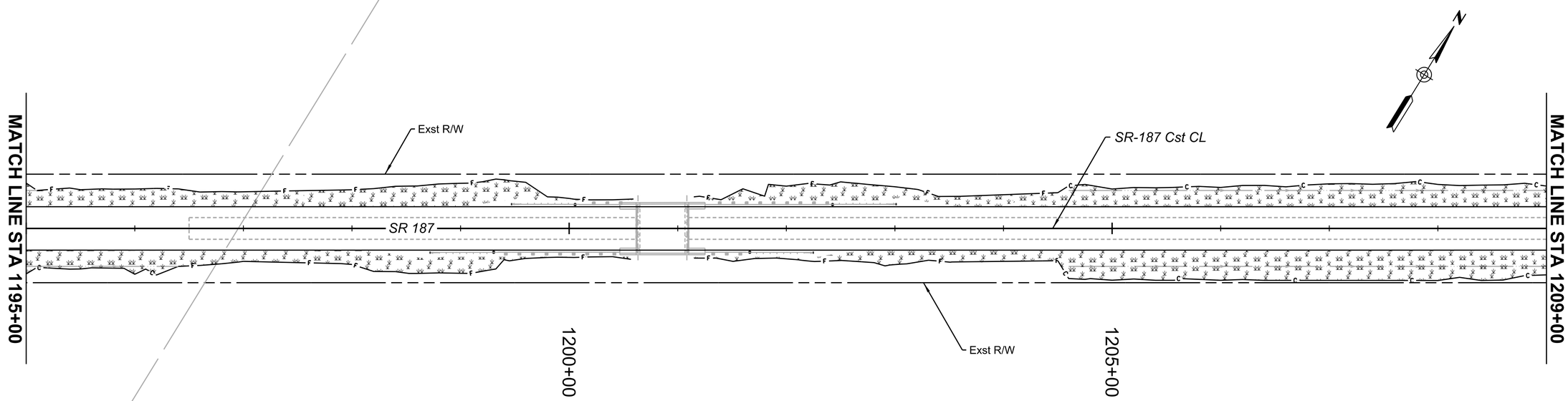
	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

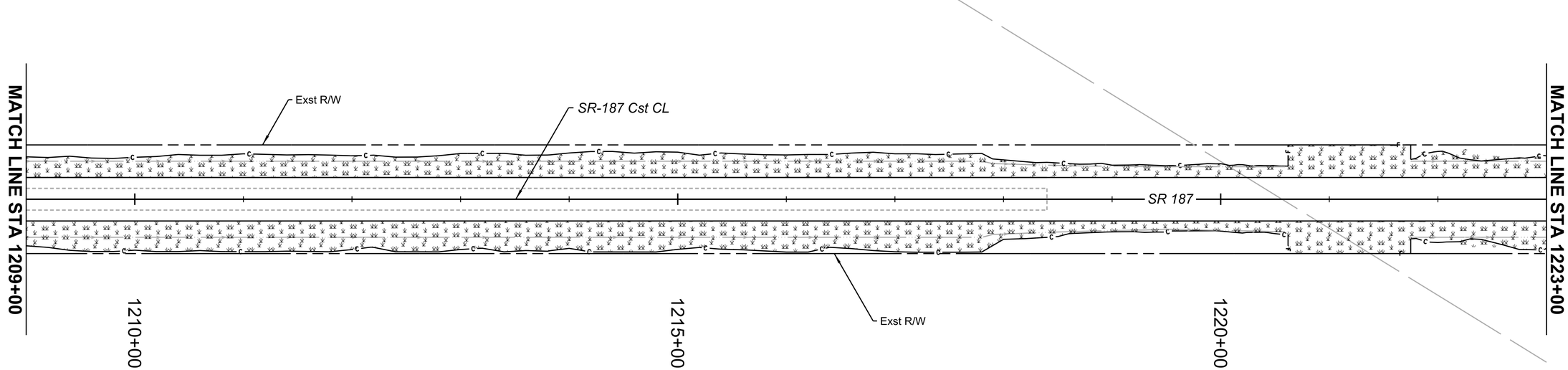
WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 REVEGETATION / SEEDING
Sta 1167+00 to 1195+00

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187		ARIZ.	187 PN 186	187-A(200)T	137	160	
MILEPOST	LOCATION	SR 187: SR 387 TO SR 87					DWG NO. R-01.07
STRUCTURE NO.	TRACS NO. F0641 01C	ADOT					___ OF___





SYM	DESCRIPTION	QUANTITY
	Seeding - Class II	2.35 ACRES

NOTES:

1. Make necessary field adjustments to ensure the layout/installation of seeding and erosion/sediment control measures (CMs/BMPs) is accomplished according to the actual limits of soil/ground disturbance as approved by the Engineer.

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 42664 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 REVEGETATION / SEEDING
Sta 1195+00 to 1223+00

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	187 PN 186	187-A(200)T	138	160	

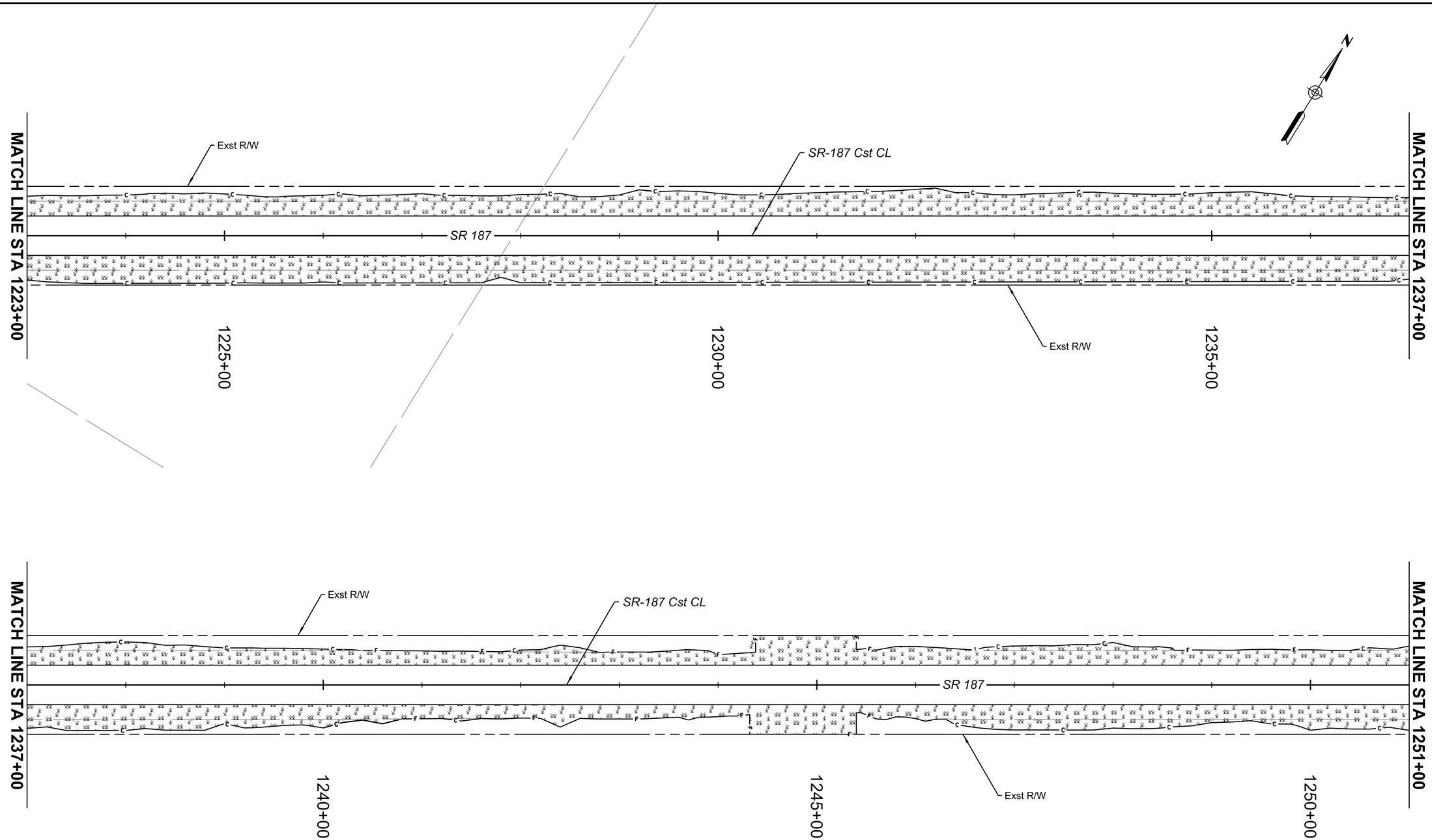
LOCATION SR 187: SR 387 TO SR 87

DWG NO. R-01.08

TRACS NO. F0641 01C

ADOT

____ OF____



SYM	DESCRIPTION	QUANTITY
	Seeding - Class II	2.83 ACRES

NOTES:

1. Make necessary field adjustments to ensure the layout/installation of seeding and erosion/sediment control measures (CMs/BMPs) is accomplished according to the actual limits of soil/ground disturbance as approved by the Engineer.

REGISTERED PROFESSIONAL ENGINEER (CIVIL) 40854 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 REVEGETATION / SEEDING PLAN
Sta 1223+00 to 1251+00

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	187 PN 186	187-A(200)T	139	160	

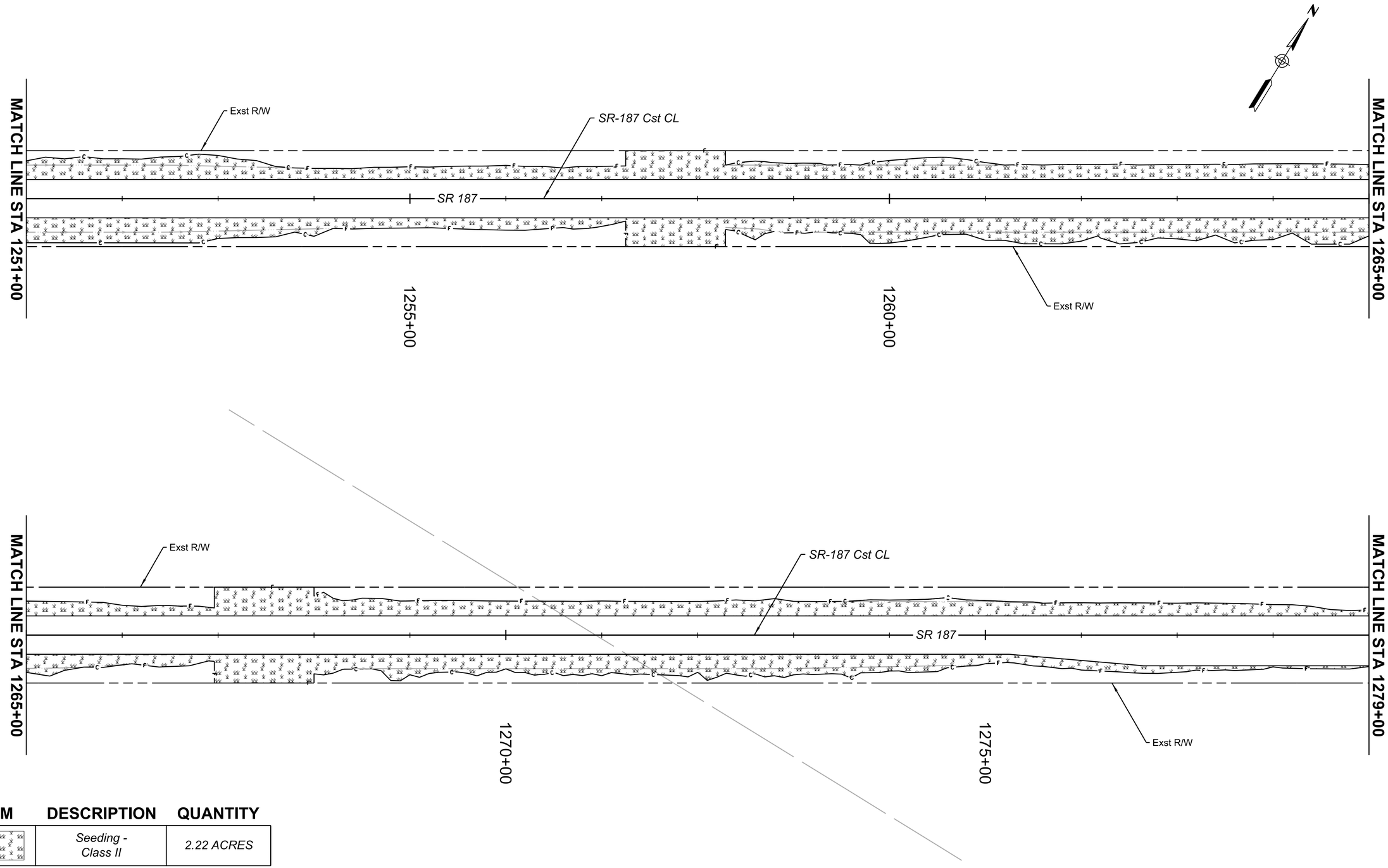
LOCATION SR 187: SR 387 TO SR 87

TRACS NO. F0641 01C

ADOT

DWG NO. R-01.09

____ OF____



SYM	DESCRIPTION	QUANTITY
	Seeding - Class II	2.22 ACRES

NOTES:

1. *Make necessary field adjustments to ensure the layout/installation of seeding and erosion/sediment control measures (CMs/BMPs) is accomplished according to the actual limits of soil/ground disturbance as approved by the Engineer.*

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 43864 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON & COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 REVEGETATION / SEEDING
Sta 1251+00 to 1279+00

ROUTE: SR-187
MILEPOST:
STRUCTURE NO.:

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	187 PN 186	187-A(200)T	140	160	

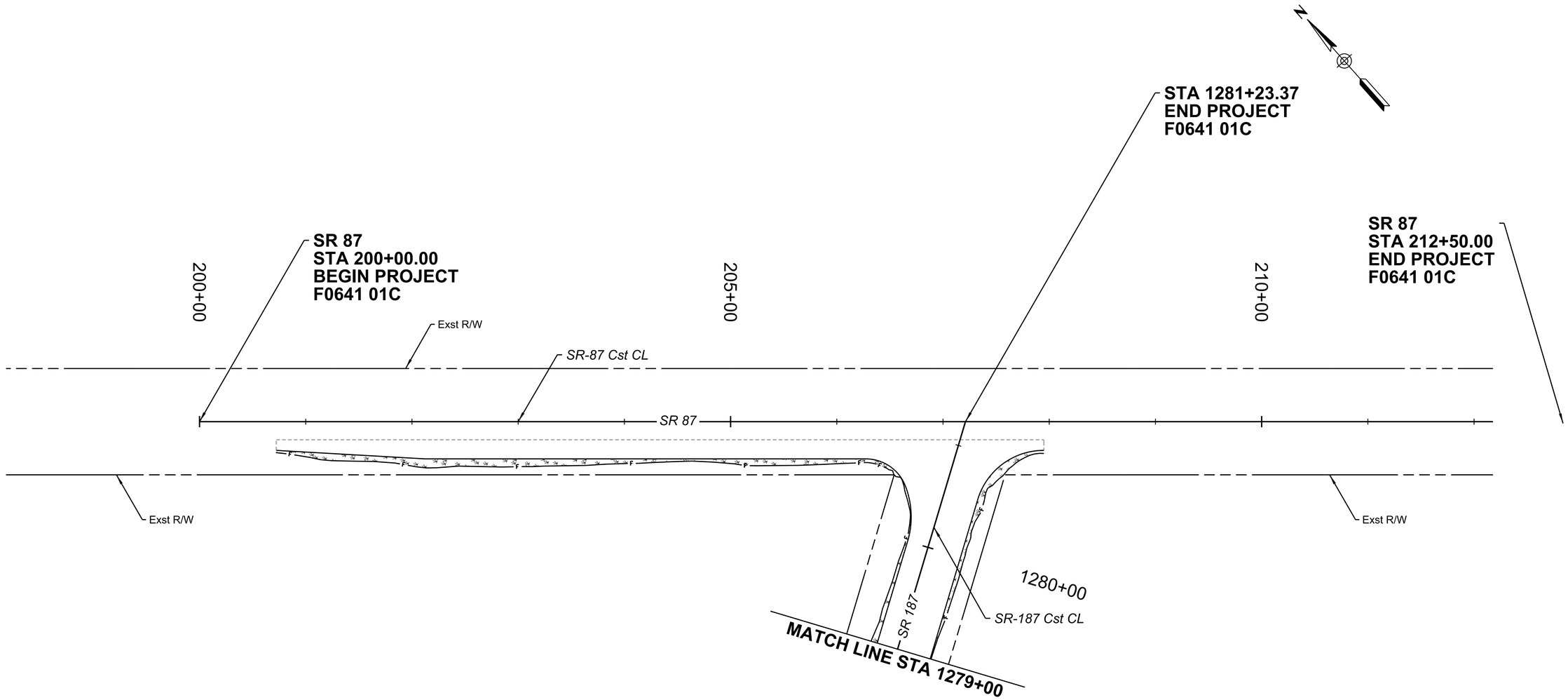
LOCATION: SR 187: SR 387 TO SR 87

TRACS NO. F0641 01C

ADOT

DWG NO. R-01.10

____ OF____



SYM	DESCRIPTION	QUANTITY
	Seeding - Class II	0.11 ACRES

NOTES:

1. *Make necessary field adjustments to ensure the layout/installation of seeding and erosion/sediment control measures (CMs/BMPs) is accomplished according to the actual limits of soil/ground disturbance as approved by the Engineer.*

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 42864 OWEN R. MILLS Date Signed 6/5/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	RJN	06/25
DRAWN	RJN	06/25
CHECKED	ORM	06/25

WILSON &COMPANY

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 87 REVEGETATION / SEEDING

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	187 PN 186	187-A(200)T	141	160	

LOCATION SR 187: SR 387 TO SR 87

DWG NO. R-01.11

TRACS NO. F0641 01C

ADOT

____ 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 Transporation
205 South 17th Avenue
Phoenix, Arizona 85007-3213

B. Project TRACS Number: F0641 01C

C. Project Name/Location (be consistent with the plan set cover sheet): STATE ROUTE 187 FROM STATE ROUTE 387 TO STATE ROUTE 87

City: SACATON County: PINAL

Beginning Latitude (NAD 83): 33° 00' 25" N

Beginning Longitude (NAD 83): 111° 45' 02" W

Ending Latitude (NAD 83): 33° 03' 40" N

Ending Longitude (NAD 83): 111° 41' 19" W

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

http://www.flashearth.com/

D. Project Description: THIS IS A PAVEMENT PRESERVATION PROJECT WITH DRAINAGE IMPROVEMENTS AS WELL AS BOTH TEMPORARY AND PERMANENT EROSION CONTROL MEASURES.

II. HYDROLOGIC INFORMATION

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

Percentage before Construction: 40%

Percentage after Construction: 40%

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

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

(If unnamed, state as unnamed)

GILA RIVER

III. SOIL STABILIZATION MEASURES

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

IV. MEASURES TO CONTROL STORMWATER AND AIR QUALITY

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

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

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

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

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

ADOTWater@azdot.gov

Registered Landscape Architect CERTIFICATE NO. 34185 SHANE HANNEMAN Date Signed 06/06/25 ARIZONA U.S.A.

	NAME	DATE
DESIGN	ESN	06/25
DRAWN	ESN	06/25
CHECKED	SH	06/25

J2 Design
4649 E COTTON GIN LOOP B2 PHOENIX, AZ 85040 602.438.2221

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

CONTROL MEASURE INDEX SHEET

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division

STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	187 PN 186	187-A(200)T	142	160	

LOCATION SR 187: SR 387 TO SR 87

TRACS NO. F0641 01C

ADOT

DWG NO. R-03.01

____ OF ____

EROSION CONTROL TYPE INSTALLATION & QUANTITY

LOCATION	HP E1 Headwall Rock Protection (Gradation 'C') (CY)	CD E2 20" Sediment Log Check Dam (LF)	CE E3 Construction Entrance / Exit (Gradation 'C') (SY)				QUANTITIES: Headwall Rock Protection Gradation 'C' (CY)	20" Sediment Log Check Dam (LF)	Construction Entrance / Exit (SY)				REMARKS
SR-187 Cst CL													
Sht. EC-03.01 (Sta 1000+00 to Sta 1027+00)	18	340	250				18	340	250				
Sht. EC-03.02 (Sta 1027+00 to Sta 1055+00)	--	40	--				--	40	--				
Sht. EC-03.03 (Sta 1055+00 to Sta 1083+00)	--	--	--				--	--	--				
Sht. EC-03.04 (Sta 1083+00 to Sta 1111+00)	--	60	--				--	60	--				
Sht. EC-03.05 (Sta 1111+00 to Sta 1139+00)	8	480	--				8	480	--				
Sht. EC-03.06 (Sta 1139+00 to Sta 1167+00)	--	540	--				--	540	--				
Sht. EC-03.07 (Sta 1167+00 to Sta 1195+00)	8	560	--				8	560	--				
Sht. EC-03.08 (Sta 1195+00 to Sta 1223+00)	--	360	--				--	360	--				
Sht. EC-03.09 (Sta 1223+00 to Sta 1251+00)	--	540	--				--	540	--				
Sht. EC-03.10 (Sta 1251+00 to Sta 1279+00)	--	120	--				--	120	--				
Sht. EC-03.11 (Sta 1279+00 to Sta 1281+00)	--	--	250				--	--	250				
							34	3,040	500				

HP = Headwall Rock Protection
CD = 20" Sediment Log Check Dam
CE = Construction Entrance

CD / E2 Reference letters 'CD' correspond to the type of installation. 'E2' corresponds to the plan detail number.

NOTES:
1. The placement of all Erosion Control Devices listed above may be subject to change and may be adjusted by the Engineer.
2. The contractor shall monitor/maintain all "Control Measures" during any shutdown period.
3. Quantities represent both permanent and temporary "Control Measure".

Registered Landscape Architect CERTIFICATE NO. 34185 SHANE HANNEMAN Date Signed 06/06/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	ESN	06/25
DRAWN	ESN	06/25
CHECKED	SH	06/25

J2 Design
4649 E COTTON GIN LOOP B2 PHOENIX, AZ 85040 602.438.2221

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

EROSION CONTROL
GENERAL NOTES & QUANTITIES

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division

STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	187 PN 186	187-A(200)T	143	160	

LOCATION SR 187: SR 387 TO SR 87

DWG NO. R-04.01

TRACS NO. F0641 01C

ADOT

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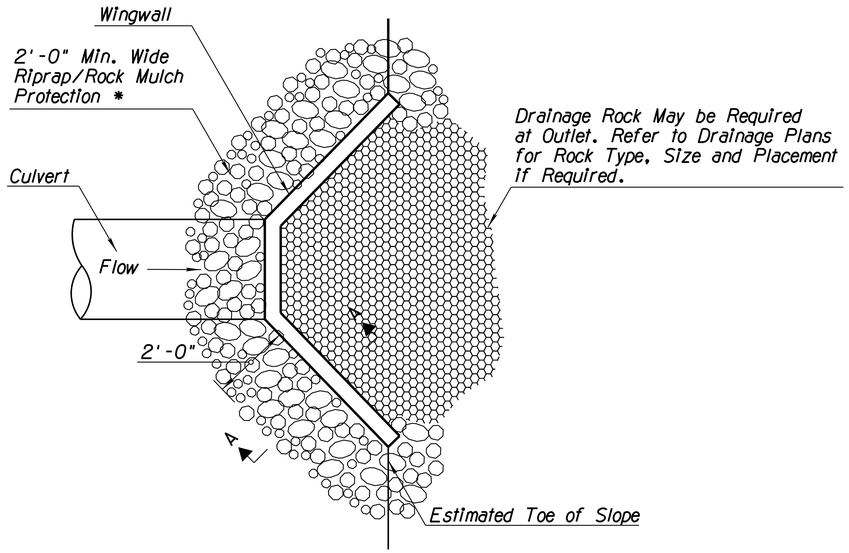
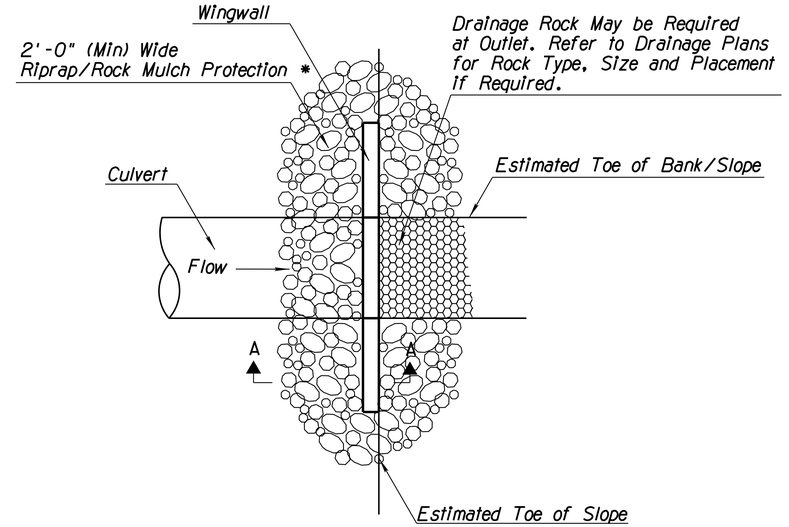
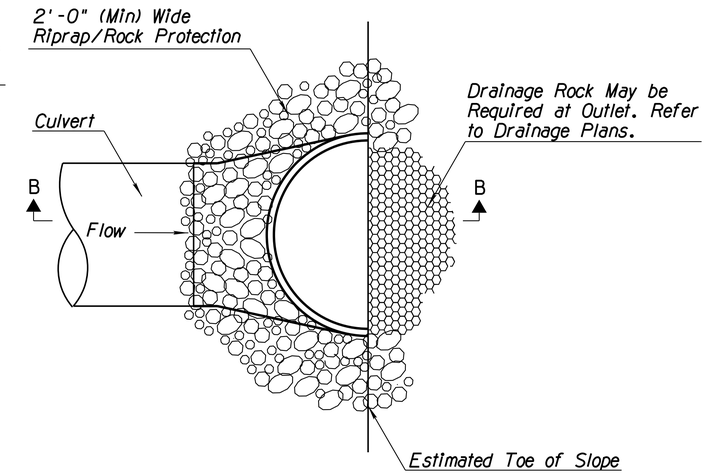


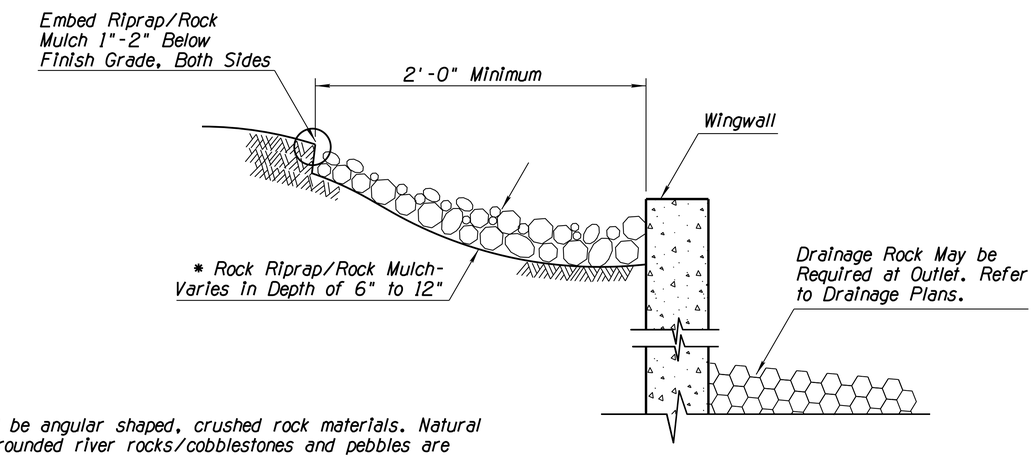
ANGLED HEADWALL
PLAN VIEW (NTS)



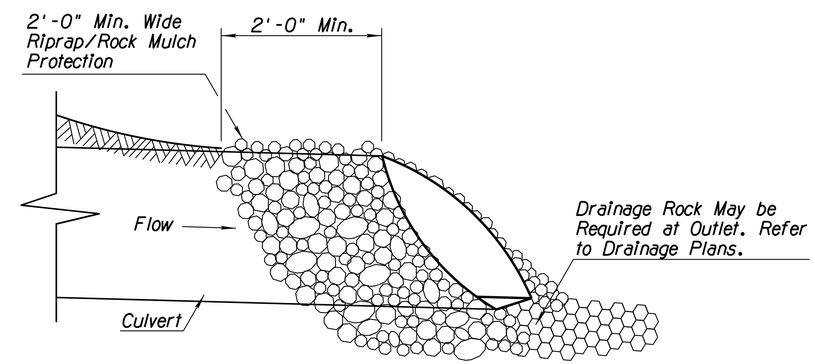
FLUSH HEADWALL
PLAN VIEW (NTS)



FLARED END
PLAN VIEW (NTS)



WINGWALL
SECTION A-A (NTS)



FLARED END
SECTION B-B (NTS)

NOTES:

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

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

DETAIL E1

ROCK PROTECTION FOR INLETS, OUTLETS AND HEADWALL TRANSITION

Registered Landscape Architect CERTIFICATE NO. 34185 SHANE HANNEMAN Date Signed 06/06/25 ARIZONA U.S.A.

	NAME	DATE
DESIGN	ESN	06/25
DRAWN	ESN	06/25
CHECKED	SH	06/25

J2 Design
4649 E COTTON GIN LOOP B2 PHOENIX, AZ 85040 602.438.2221

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

EROSION CONTROL DETAIL

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division

STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	187 PN 186	187-A(200)T	144	160	

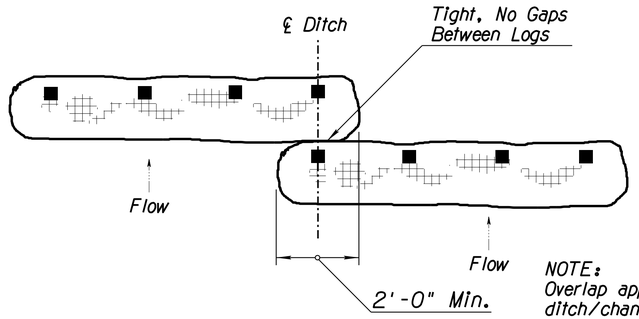
LOCATION SR 187: SR 387 TO SR 87

TRACS NO. F0641 01C

ADOT

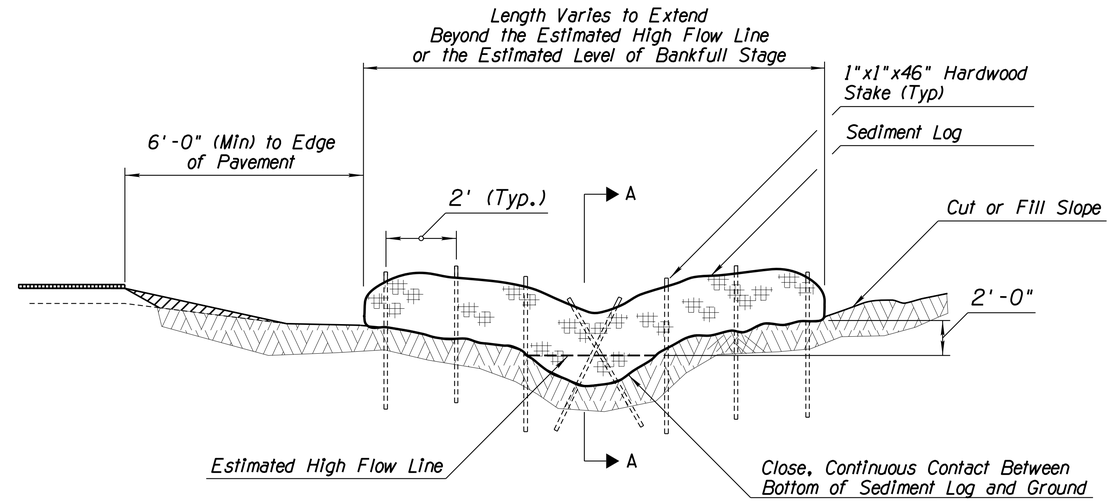
DWG NO. R-05.01

____ OF____



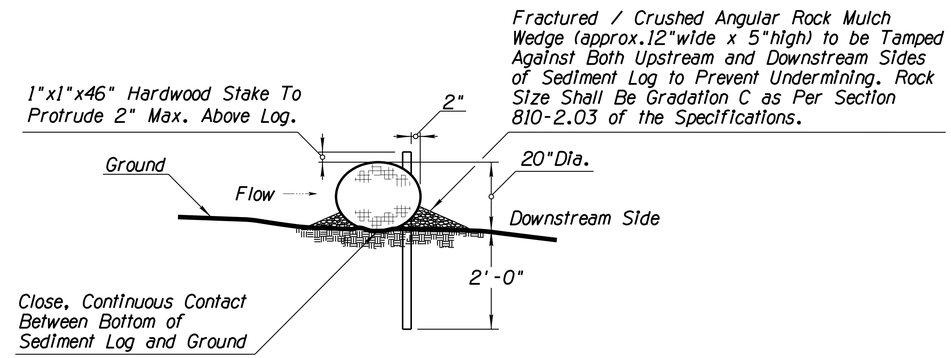
NOTE:
Overlap applies to situations where ditch/channel is wider than length of single Sediment Log. Two or multiple Sediment Logs may be necessary.

TYPICAL OVERLAP
PLAN (NTS)



SEDIMENT LOG IN DITCH/CHANNEL
SECTIONAL ELEVATION (NTS)

NOTES:
1. Sediment Logs shall not be installed in the urban freeway medians, nor where cable barrier systems are employed.
2. Locate Sediment Logs as indicated in plans, SWPPP or as directed by the Engineer.
3. Select, install and maintain Logs per manufacturers' specifications and good engineering practices.
4. Lay Sediment Log across prepared roadside ditch or channel. Trenching or burial of Sediment Logs is not required. The close, continuous contact between the bottom of the Log and the ground is mandatory. The Logs shall be installed in the roadsidditch, swale or channel bottom perpendicular to the flow of water as shown on detail this sheet.
5. Stake Log as shown. Stakes shall be placed through downstream side only as shown.
6. DO NOT drive stakes through center of the Log. Stakes must be driven into the ground as shown.
7. Ensure that no gaps exist between soil and bottom of Sediment Log. Repair any rills or undercuts promptly.
8. Placement of Sediment Logs shall be evaluated by the Engineer in rocky soil conditions.
9. Remove Sediment Log CMs/BMPs within the ditches/channels and around the storm drain inlets as per the direction of the Engineer or as soon as practicable upon stabilization of the construction disturbed area.
10. Dispose of Sediment Logs and trapped sediment material and fill trench created by Sediment Log.
11. The installation and maintenance of Sediment Log CMs/BMPs shall not negatively impact traffic safety, nor the designed function of roadway or bridge drainage facilities. Sediment Logs shall be installed and maintained to carry the stormwater of at least 2-year, 24-hour events.
12. Make field adjustments and corrections of Sediment Log CM/BMP immediately if it is causing flooding, erosion, and/or affecting roadway safety.
13. Rock mulch/riprap may be required for channel/ditch lining or rock check dams for longitudinal ditch slopes that exceed 5% and/or for soil conditions not suitable for Log installation.
14. The Sediment Log CM/BMP's pay/bid item shall include all materials used for this CM/BMP: all ground preparation, furnishing, installing, maintenance, final removal, and disposal, as well as returning the area to an acceptable condition as approved by the Engineer.
15. Refer to Specification Section 810-2.06(B) for Sediment Log material specifications.
16. Make field adjustments and corrections to ensure NO sensitive biological resources (native species / habitats) will be adversely impacted.
17. Construct Rock Wedge with angular-shaped Gradation C Rock Mulch as defined in Section 810-2.03 of the Specifications and project special provisions. Natural river-run materials such as rounded river rocks/cobblestones and pebbles are NOT acceptable.



SECTION A-A (NTS)

DETAIL E2
SEDIMENT LOG

Registered Landscape Architect
CERTIFICATE NO. 34185
SHANE HANNEMAN
Date Signed 06/06/25
ARIZONA, U.S.A.

	NAME	DATE
DESIGN	ESN	06/25
DRAWN	ESN	06/25
CHECKED	SH	06/25

J2 Design
4649 E COTTON GIN LOOP B2 PHOENIX, AZ 85040 602.438.2221

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

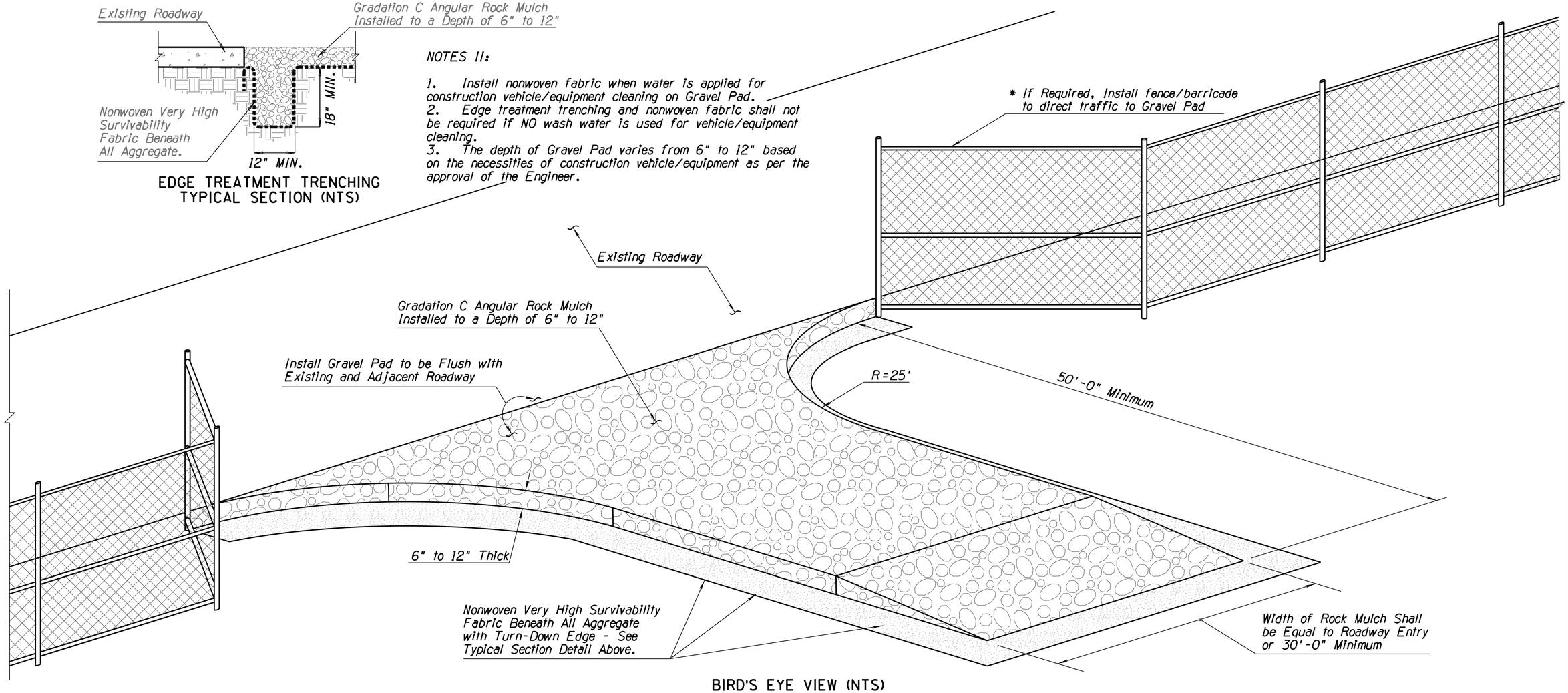
EROSION CONTROL DETAIL

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187		ARIZ.	187 PN 186	187-A(200)T	145	160	
MILEPOST	LOCATION	SR 187: SR 387 TO SR 87					DWG NO. R-05.02
STRUCTURE NO.	TRACS NO. F0641 01C		ADOT				___ OF___

EDGE TREATMENT TRENCHING
TYPICAL SECTION (NTS)

NOTES II:

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



BIRD'S EYE VIEW (NTS)

NOTES I:

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

DETAIL E3

STABILIZED CONSTRUCTION ENTRANCE/EXIT GRAVEL PAD

Registered Landscape Architect
CERTIFICATE NO.
34185
SHANE
HANNEMAN
Date Signed 06/06/25
ARIZONA, U.S.A.

	NAME	DATE
DESIGN	ESN	06/25
DRAWN	ESN	06/25
CHECKED	SH	06/25

J2 Design
4649 E COTTON GIN LOOP B2 PHOENIX, AZ 85040 602.438.2221

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

EROSION CONTROL DETAIL

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division

STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	187 PN 186	187-A(200)T	146	160	

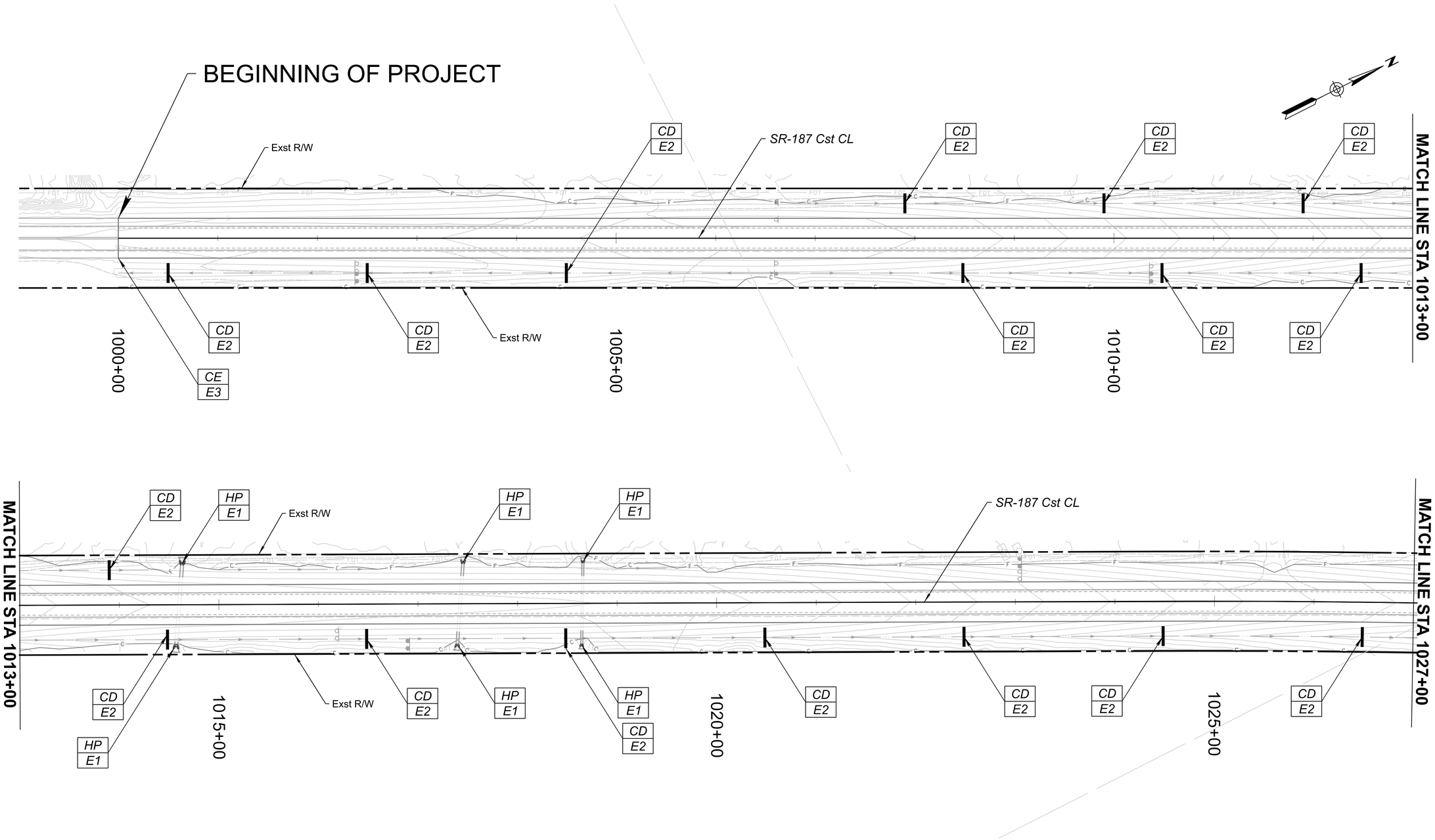
LOCATION SR 187: SR 387 TO SR 87

DWG NO. R-05.03

TRACS NO. F0641 01C

ADOT

____ OF____



Erosion Control Method

CD / E2 — Detail Reference Number

HP = Headwall Protection
CD = Sediment Log Check Dam
CE = Construction Entrance

Notes:
1. Contractor shall locate construction entrance at locations as needed to access project and keep pavement clean.
2. Contractor shall stabilize disturbed areas if not landscaped within 14 consecutive days.

Registered Landscape Architect CERTIFICATE NO. 34185 SHANE HANNEMAN Date Signed 06/06/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	ESN	06/25
DRAWN	ESN	06/25
CHECKED	SH	06/25

J2 Design
4649 E COTTON GIN LOOP B2 PHOENIX, AZ 85040 602.438.2221

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 PLAN SHEET
EROSION CONTROL
Sta 1000+00 to 1027+00

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	187 PN 186	187-A(200)T	147	160	

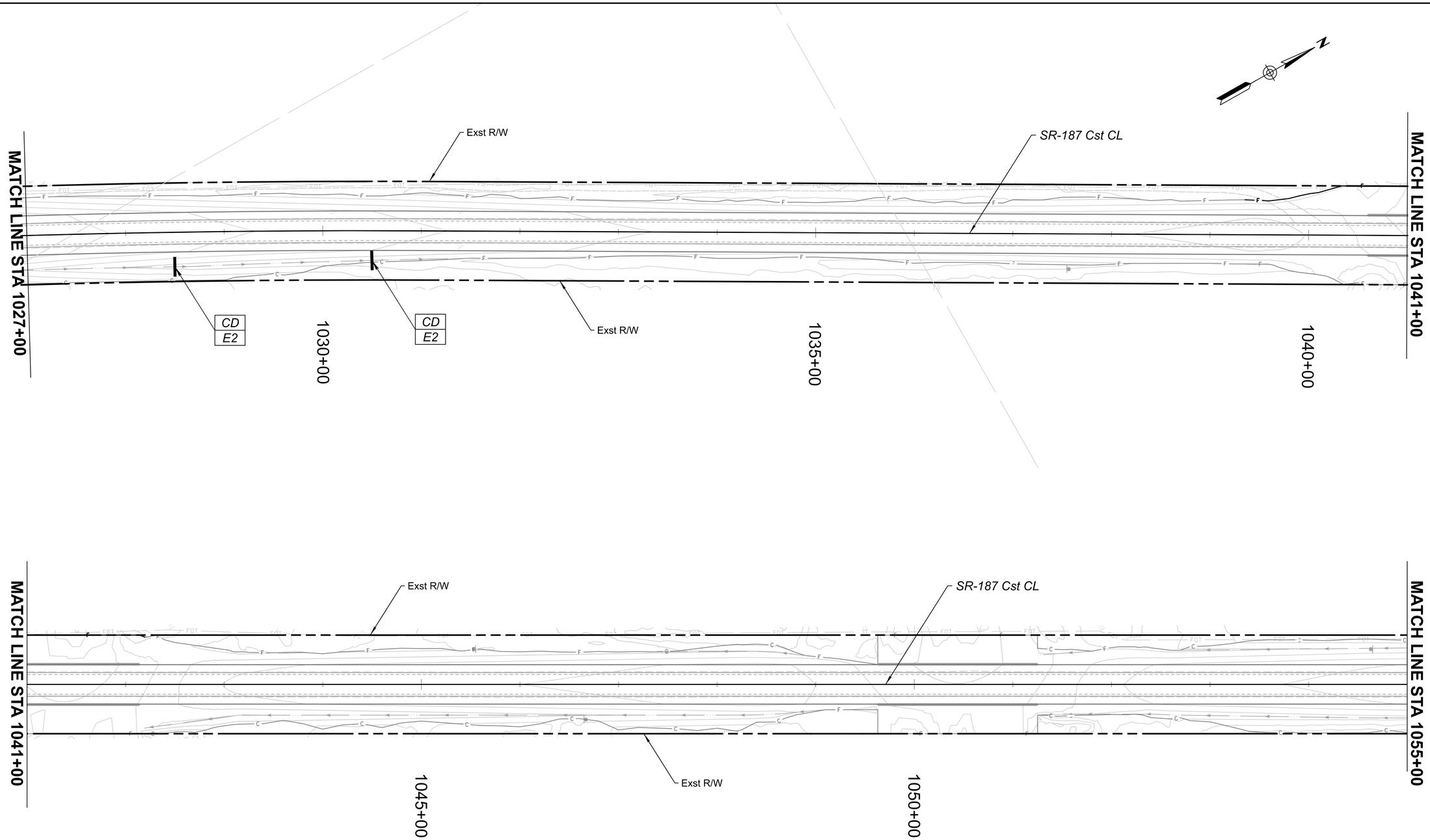
LOCATION SR 187: SR 387 TO SR 87

TRACS NO. F0641 01C

ADOT

DWG NO. R-06.01

___ OF ___



Erosion Control Method

CD
E2

HP = Headwall Protection
CD = Sediment Log Check Dam
CE = Construction Entrance

Detail Reference Number

Notes:
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Registered Landscape Architect CERTIFICATE NO. 34185 SHANE HANNEMAN Date Signed 06/06/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	ESN	06/25
DRAWN	ESN	06/25
CHECKED	SH	06/25

J2 Design
4649 E COTTON GIN LOOP B2 PHOENIX, AZ 85040 602.438.2221

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 PLAN SHEET
EROSION CONTROL
Sta 1027+00 to 1055+00

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187		ARIZ.	187 PN 186	187-A(200)T	148	160	
MILEPOST	LOCATION	SR 187: SR 387 TO SR 87					DWG NO. R-06.02
STRUCTURE NO.	TRACS NO. F0641 01C		ADOT				___ OF___

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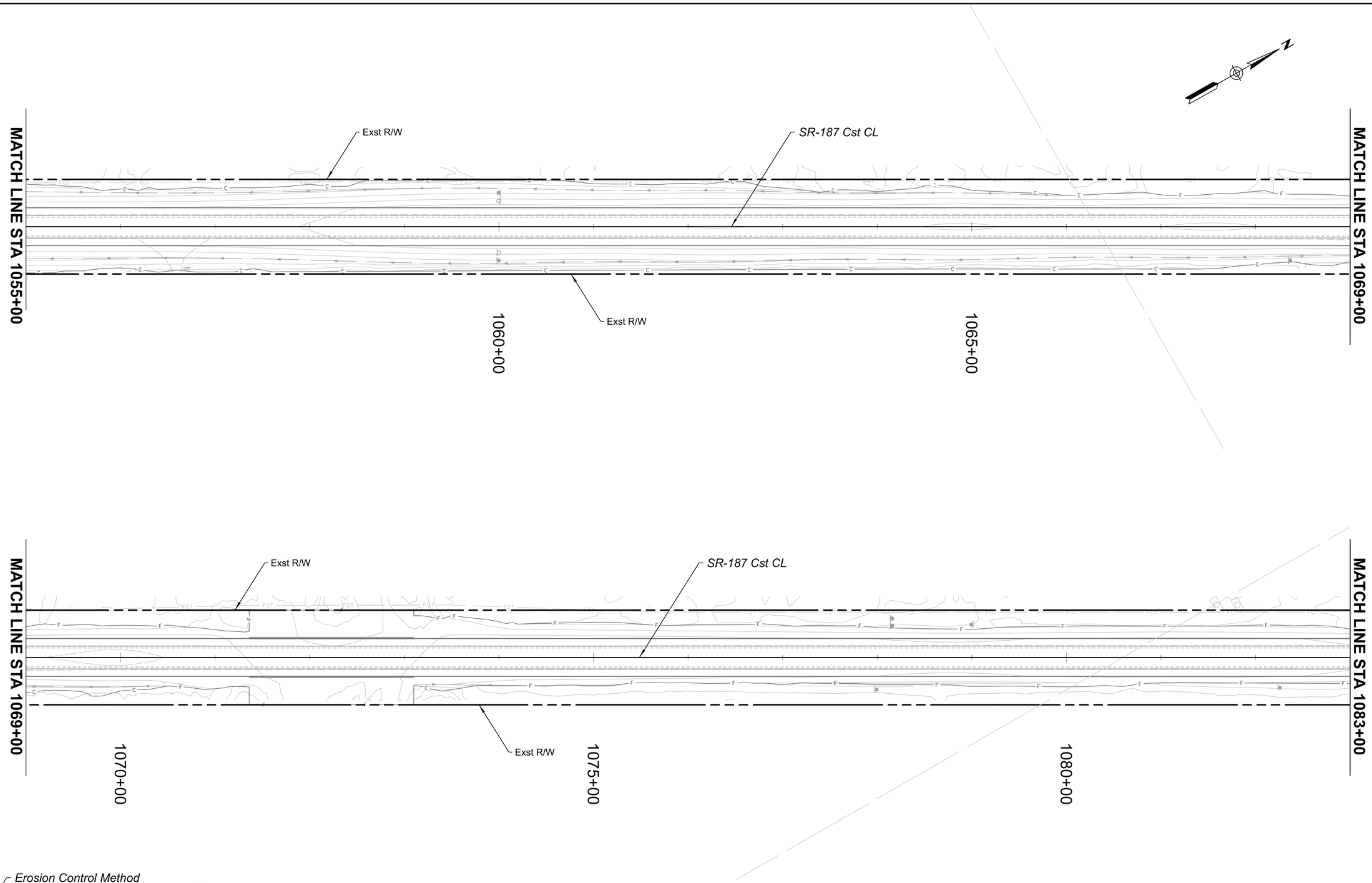

Erosion Control Method

CD
E2

HP = Headwall Protection
CD = Sediment Log Check Dam
CE = Construction Entrance

Detail Reference Number

Notes:
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Registered Landscape Architect CERTIFICATE NO. 34185 SHANE HANNEMAN Date Signed 06/06/25 ARIZONA, U.S.A.

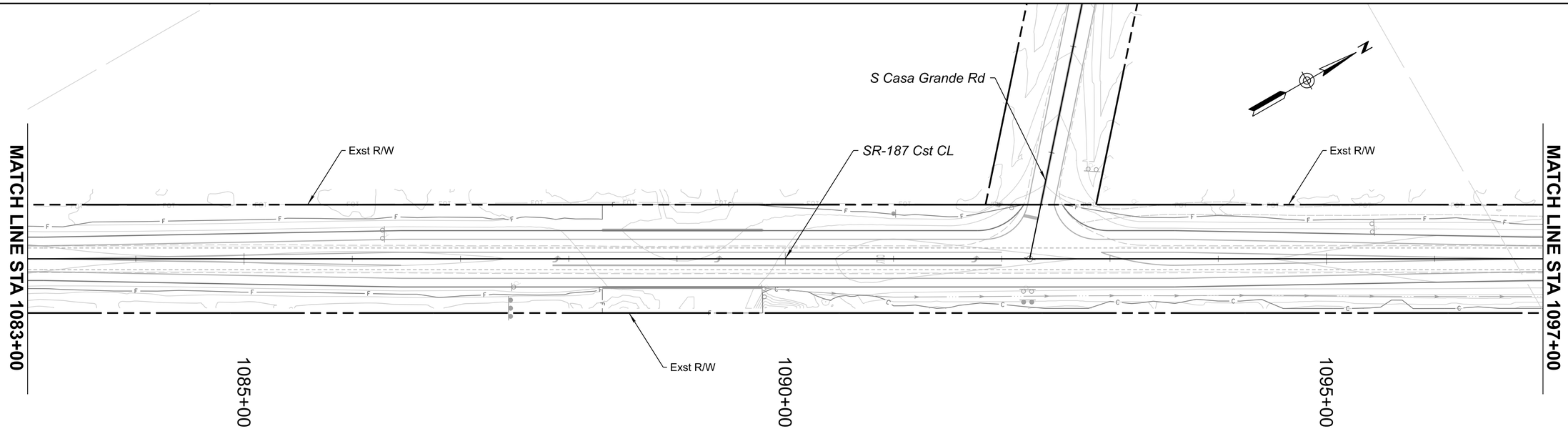
	NAME	DATE
DESIGN	ESN	06/25
DRAWN	ESN	06/25
CHECKED	SH	06/25

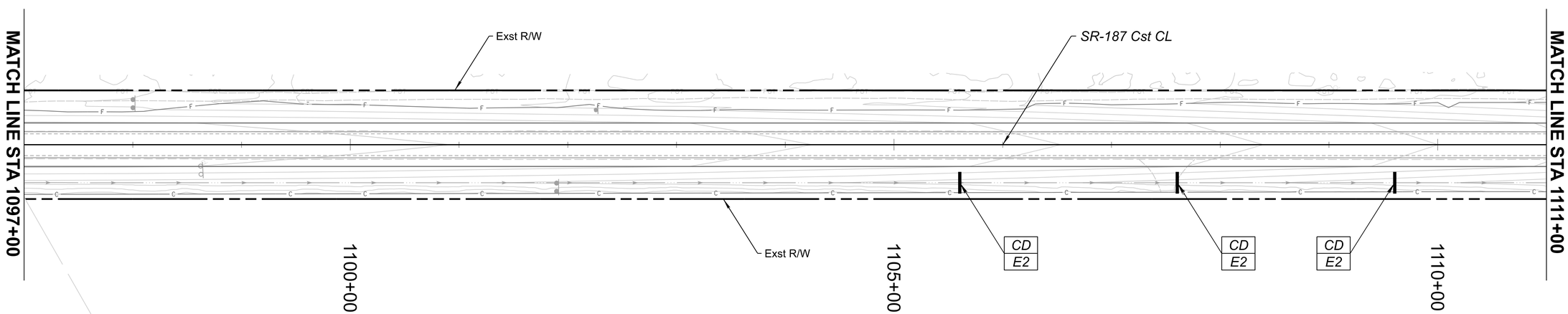
J2 Design
4649 E COTTON GIN LOOP B2 PHOENIX, AZ 85040 602.438.2221

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 PLAN SHEET
EROSION CONTROL
Sta 1055+00 to 1083+00

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187		ARIZ.	187 PN 186	187-A(200)T	149	160	
MILEPOST	LOCATION	SR 187: SR 387 TO SR 87					DWG NO. R-06.03
STRUCTURE NO.	TRACS NO. F0641 01C		ADOT				___ OF___





Erosion Control Method

CD / E2 — Detail Reference Number

HP = Headwall Protection
CD = Sediment Log Check Dam
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Notes:
1. Contractor shall locate construction entrance at locations as needed to access project and keep pavement clean.
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Registered Landscape Architect CERTIFICATE NO. 34185 SHANE HANNEMAN Date Signed 06/06/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	ESN	06/25
DRAWN	ESN	06/25
CHECKED	SH	06/25

J2 Design
4649 E COTTON GIN LOOP B2 PHOENIX, AZ 85040 602.438.2221

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 PLAN SHEET
EROSION CONTROL
Sta 1083+00 to 1111+00

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	187 PN 186	187-A(200)T	150	160	

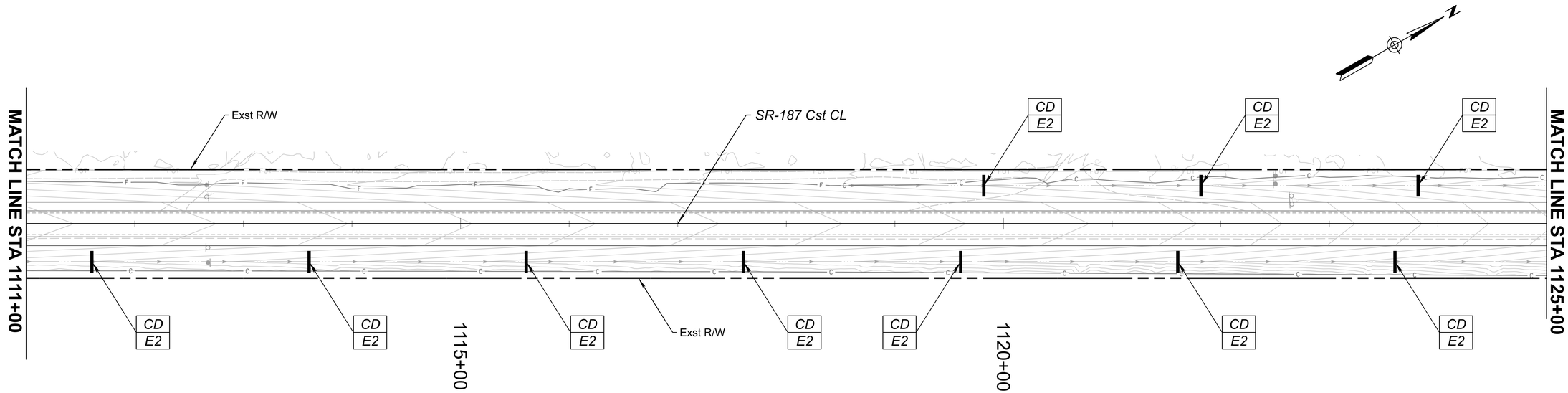
LOCATION SR 187: SR 387 TO SR 87

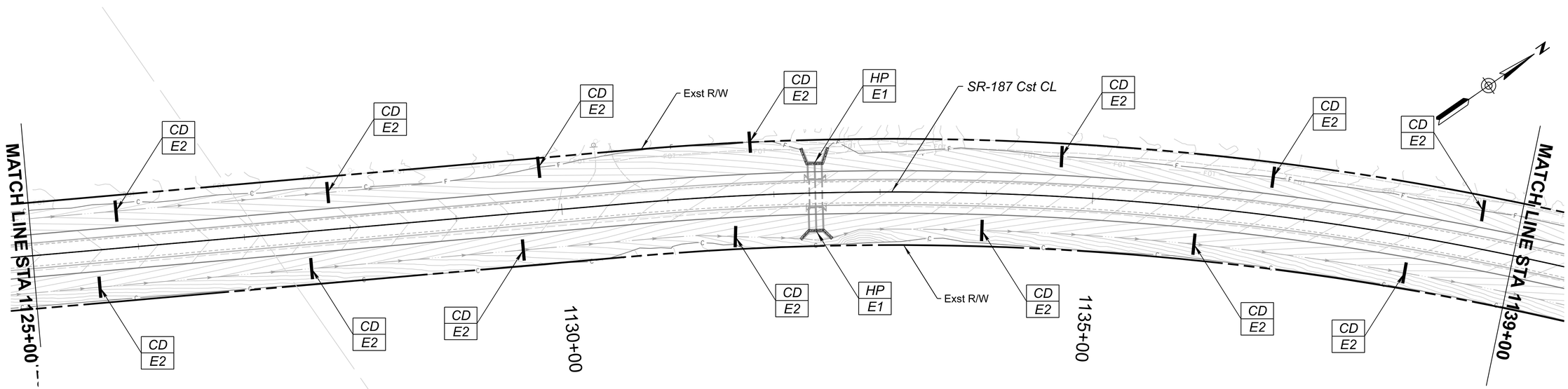
TRACS NO. F0641 01C

ADOT

DWG NO. R-06.04

___ OF ___





Erosion Control Method

CD / E2

HP = Headwall Protection
CD = Sediment Log Check Dam
CE = Construction Entrance

Detail Reference Number

Notes:
1. Contractor shall locate construction entrance at locations as needed to access project and keep pavement clean.
2. Contractor shall stabilize disturbed areas if not landscaped within 14 consecutive days.

Registered Landscape Architect CERTIFICATE NO. 34185 SHANE HANNEMAN Date Signed: 06/06/25 ARIZONA U.S.A.

	NAME	DATE
DESIGN	ESN	06/25
DRAWN	ESN	06/25
CHECKED	SH	06/25

J2 Design
4649 E COTTON GIN LOOP B2 PHOENIX, AZ 85040 602.438.2221

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 PLAN SHEET
EROSION CONTROL
Sta 1111+00 to 1139+00

ROUTE: SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division

STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	187 PN 186	187-A(200)T	151	160	

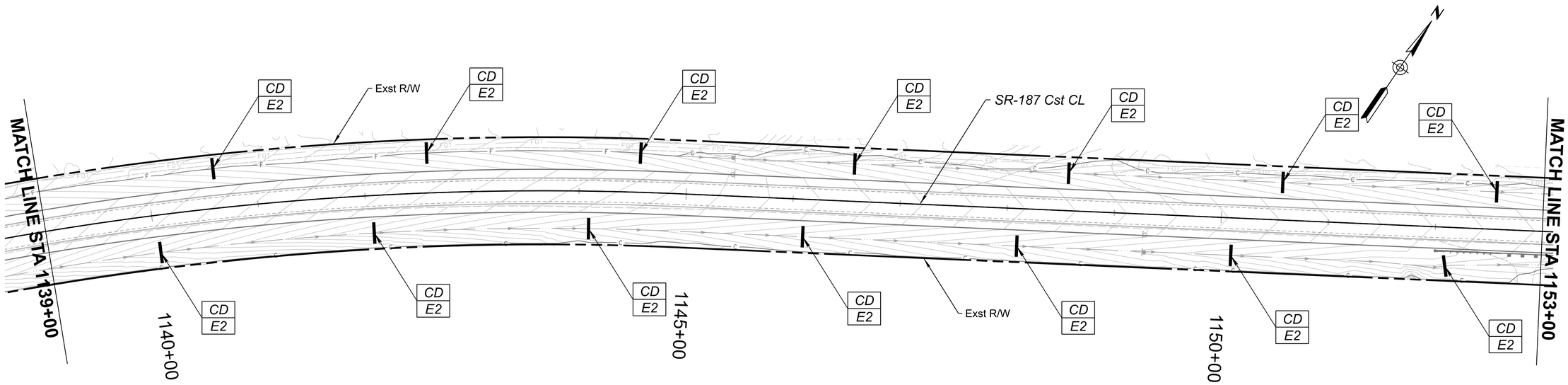
LOCATION: SR 187: SR 387 TO SR 87

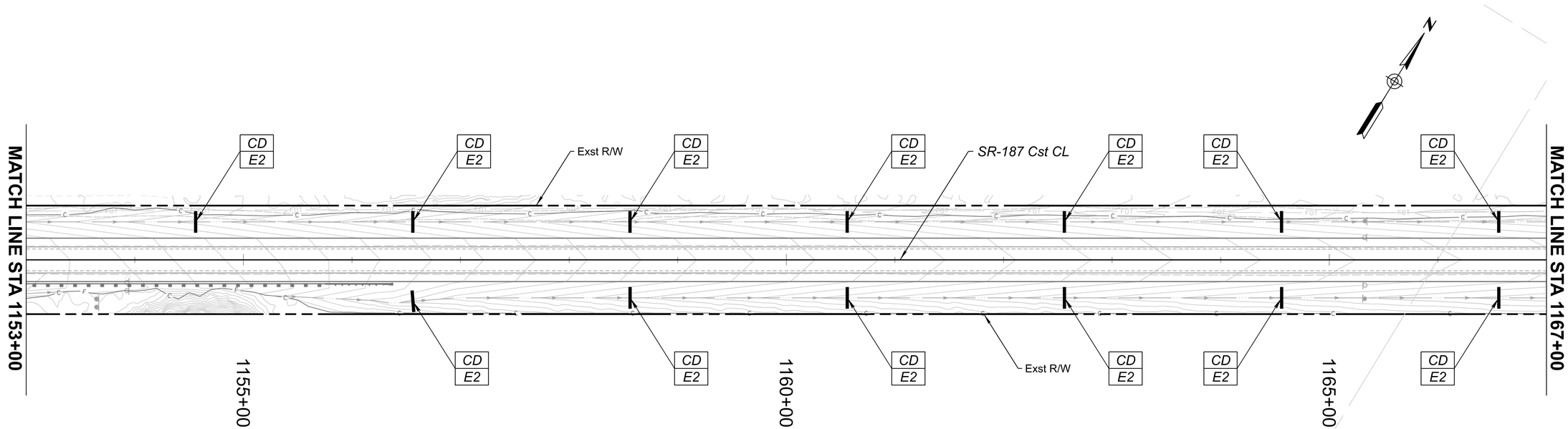
TRACS NO. F0641 01C

ADOT

DWG NO. R-06.05

____ OF____





Erosion Control Method

CD / E2

HP = Headwall Protection
CD = Sediment Log Check Dam
CE = Construction Entrance

Detail Reference Number

Notes:
1. Contractor shall locate construction entrance at locations as needed to access project and keep pavement clean.
2. Contractor shall stabilize disturbed areas if not landscaped within 14 consecutive days.

Registered Landscape Architect CERTIFICATE NO. 34185 SHANE HANNEMAN Date Signed 06/06/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	ESN	06/25
DRAWN	ESN	06/25
CHECKED	SH	06/25

J2 Design
4649 E COTTON GIN LOOP B2 PHOENIX, AZ 85040 602.438.2221

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 PLAN SHEET
EROSION CONTROL
Sta 1139+00 to 1167+00

ROUTE: SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division

STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	187 PN 186	187-A(200)T	152	160	

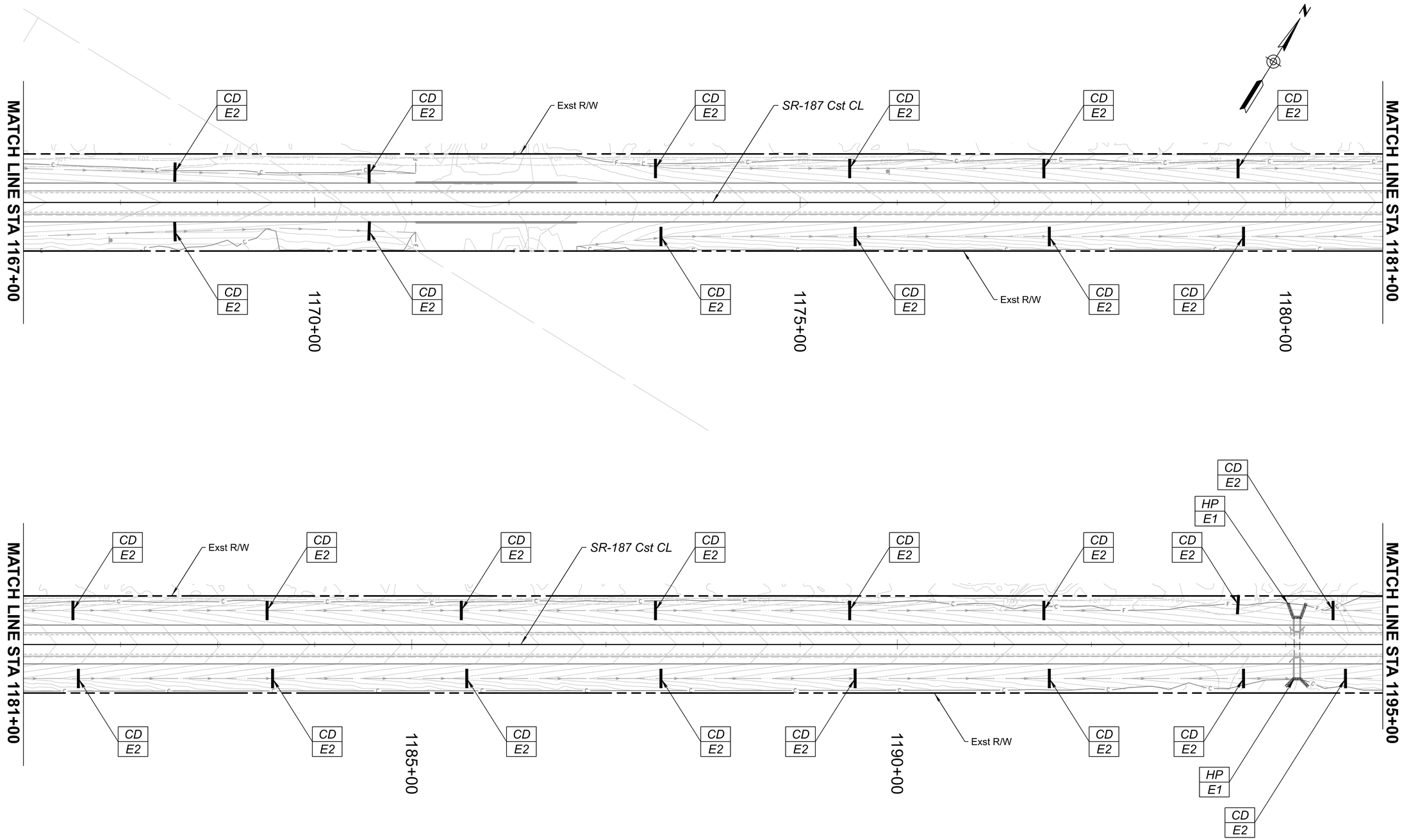
LOCATION: SR 187: SR 387 TO SR 87

TRACS NO. F0641 01C

ADOT

DWG NO. R-06.06

____ OF____



Erosion Control Method

CD / E2 — Detail Reference Number

HP = Headwall Protection
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Notes:
1. Contractor shall locate construction entrance at locations as needed to access project and keep pavement clean.
2. Contractor shall stabilize disturbed areas if not landscaped within 14 consecutive days.

Registered Landscape Architect CERTIFICATE NO. 34185 SHANE HANNEMAN Date Signed 06/06/25 ARIZONA U.S.A.

	NAME	DATE
DESIGN	ESN	06/25
DRAWN	ESN	06/25
CHECKED	SH	06/25

J2 Design
4649 E COTTON GIN LOOP B2 PHOENIX, AZ 85040 602.438.2221

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 PLAN SHEET
EROSION CONTROL
Sta 1167+00 to 1195+00

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division

STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	187 PN 186	187-A(200)T	153	160	

LOCATION SR 187: SR 387 TO SR 87

TRACS NO. F0641 01C

ADOT

DWG NO. R-06.07

____ OF____

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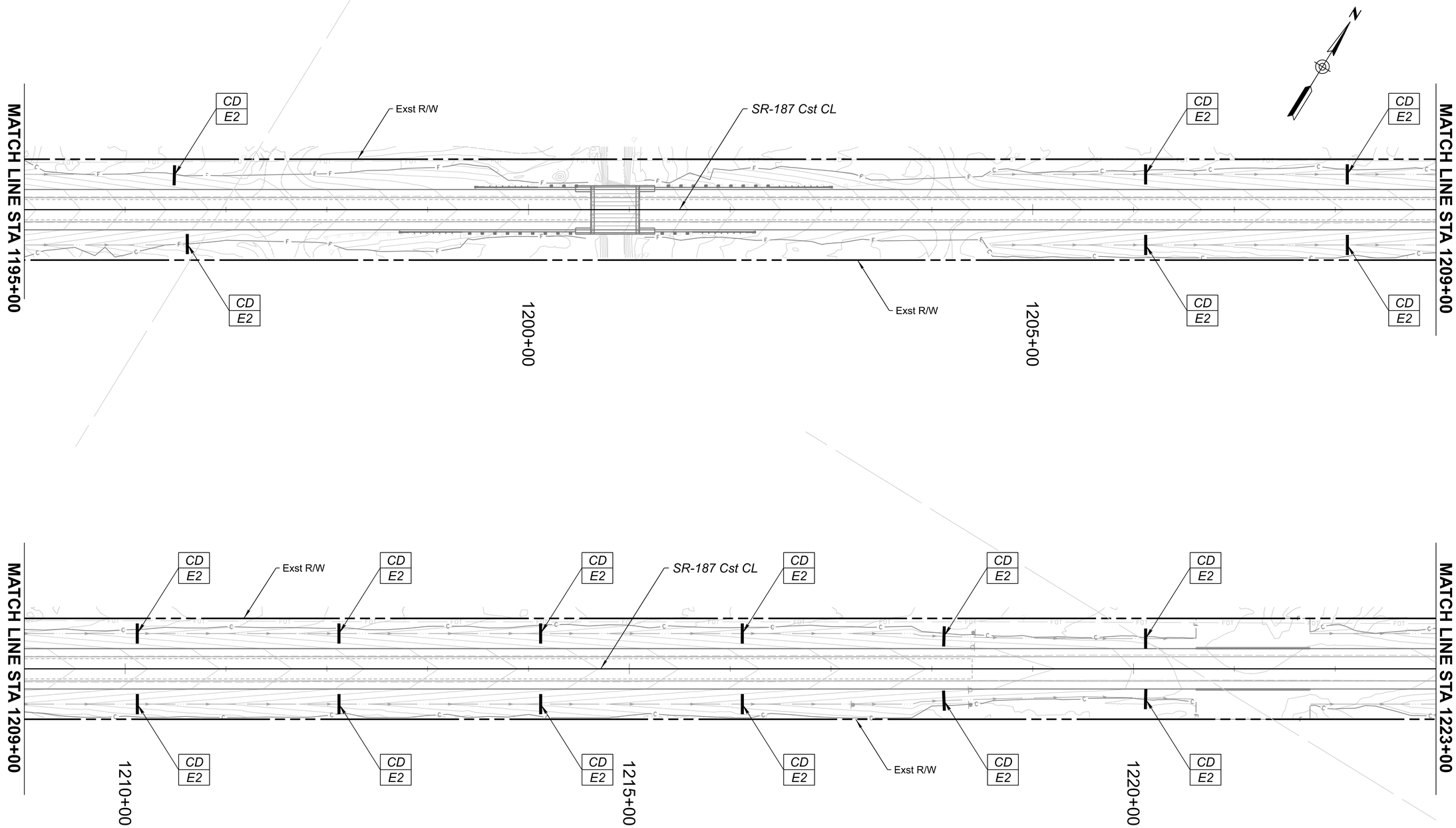


Erosion Control Method

CD / E2

HP = Headwall Protection
CD = Sediment Log Check Dam
CE = Construction Entrance

Detail Reference Number

Notes:

1. *Contractor shall locate construction entrance at locations as needed to access project and keep pavement clean.*
2. *Contractor shall stabilize disturbed areas if not landscaped within 14 consecutive days.*

Registered Landscape Architect CERTIFICATE NO. 34185 SHANE HANNEMAN Date Signed 06/06/25 ARIZONA, U.S.A.

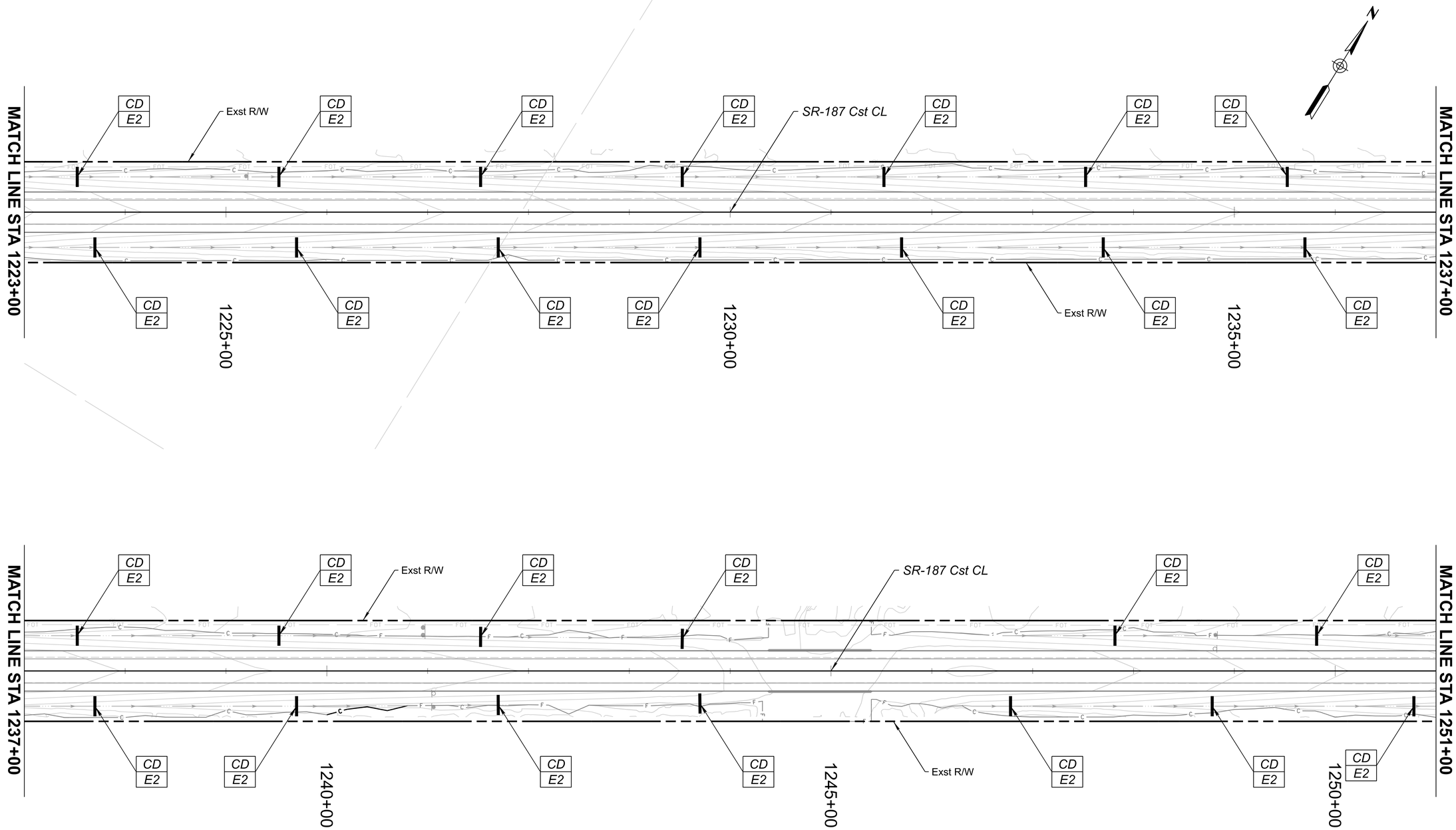
	NAME	DATE
DESIGN	ESN	06/25
DRAWN	ESN	06/25
CHECKED	SH	06/25

J2 Design
4649 E COTTON GIN LOOP B2 PHOENIX, AZ 85040 602.438.2221

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 PLAN SHEET
EROSION CONTROL
Sta 1195+00 to 1223+00

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187		ARIZ.	187 PN 186	187-A(200)T	154	160	
MILEPOST	LOCATION	SR 187: SR 387 TO SR 87					DWG NO. R-06.08
STRUCTURE NO.	TRACS NO. F0641 01C		ADOT				___ OF ___



Erosion Control Method

CD / E2 — Detail Reference Number

HP = Headwall Protection
CD = Sediment Log Check Dam
CE = Construction Entrance

Notes:
1. Contractor shall locate construction entrance at locations as needed to access project and keep pavement clean.
2. Contractor shall stabilize disturbed areas if not landscaped within 14 consecutive days.

Registered Landscape Architect CERTIFICATE NO. 34185 SHANE HANNEMAN Date Signed 06/06/25 ARIZONA U.S.A.

	NAME	DATE
DESIGN	ESN	06/25
DRAWN	ESN	06/25
CHECKED	SH	06/25

J2 Design
4649 E COTTON GIN LOOP B2 PHOENIX, AZ 85040 602.438.2221

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 PLAN SHEET
EROSION CONTROL
Sta 1223+00 to 1251+00

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	187 PN 186	187-A(200)T	155	160	

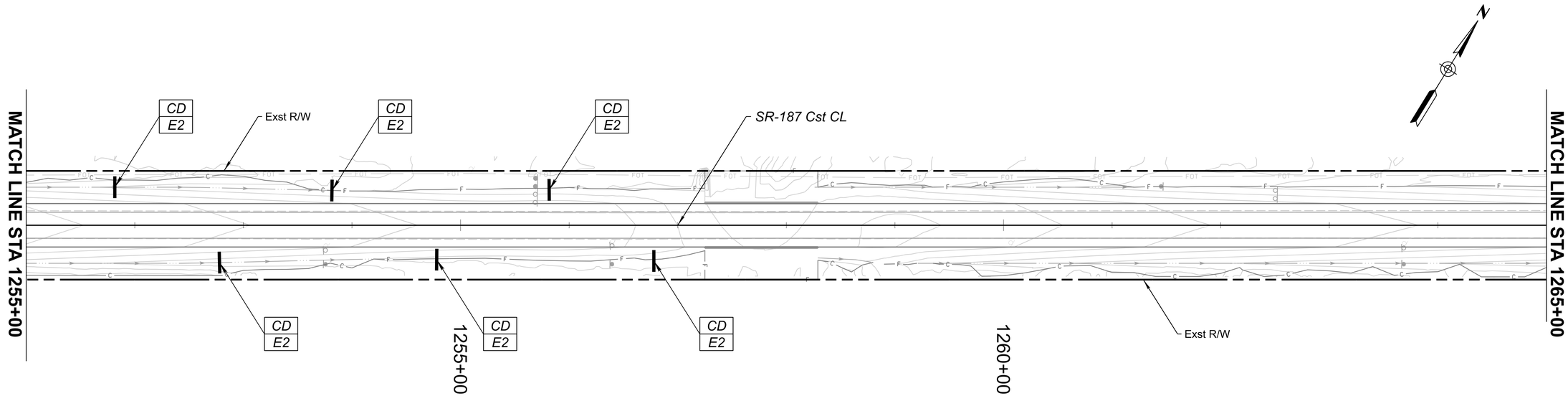
LOCATION SR 187: SR 387 TO SR 87

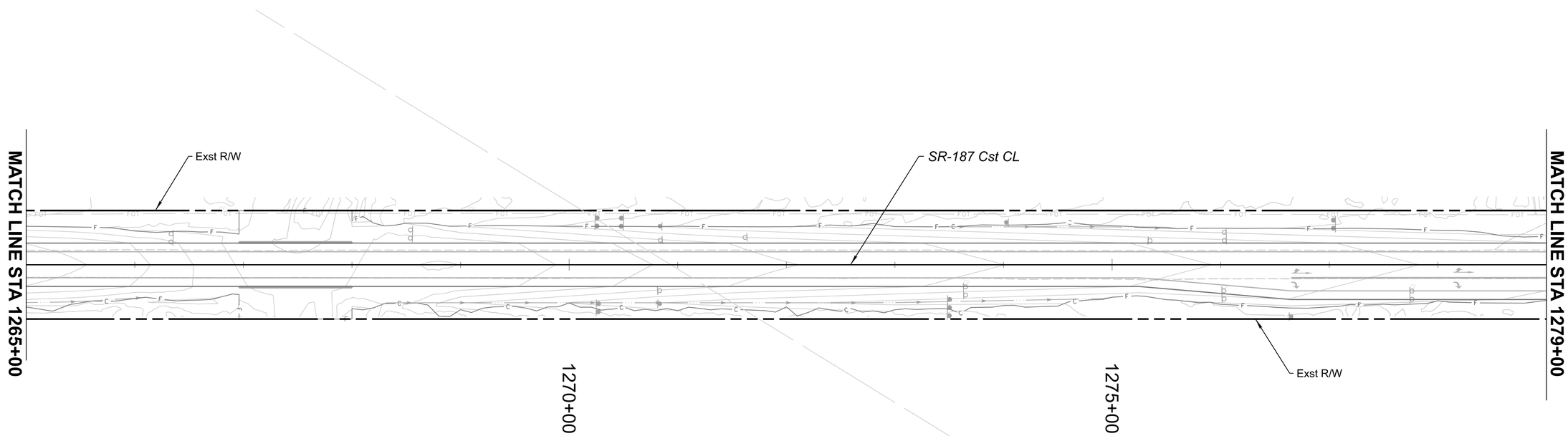
TRACS NO. F0641 01C

ADOT

DWG NO. R-06.09

___ OF ___





Erosion Control Method

CD / E2

HP = Headwall Protection
CD = Sediment Log Check Dam
CE = Construction Entrance

Detail Reference Number

Notes:

1. *Contractor shall locate construction entrance at locations as needed to access project and keep pavement clean.*
2. *Contractor shall stabilize disturbed areas if not landscaped within 14 consecutive days.*

Registered Landscape Architect CERTIFICATE NO. 34185 SHANE HANNEMAN Date Signed 06/06/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	ESN	06/25
DRAWN	ESN	06/25
CHECKED	SH	06/25

J2 Design
4649 E COTTON GIN LOOP B2 PHOENIX, AZ 85040 602.438.2221

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 187 PLAN SHEET
EROSION CONTROL
Sta 1251+00 to 1279+00

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	187 PN 186	187-A(200)T	156	160	

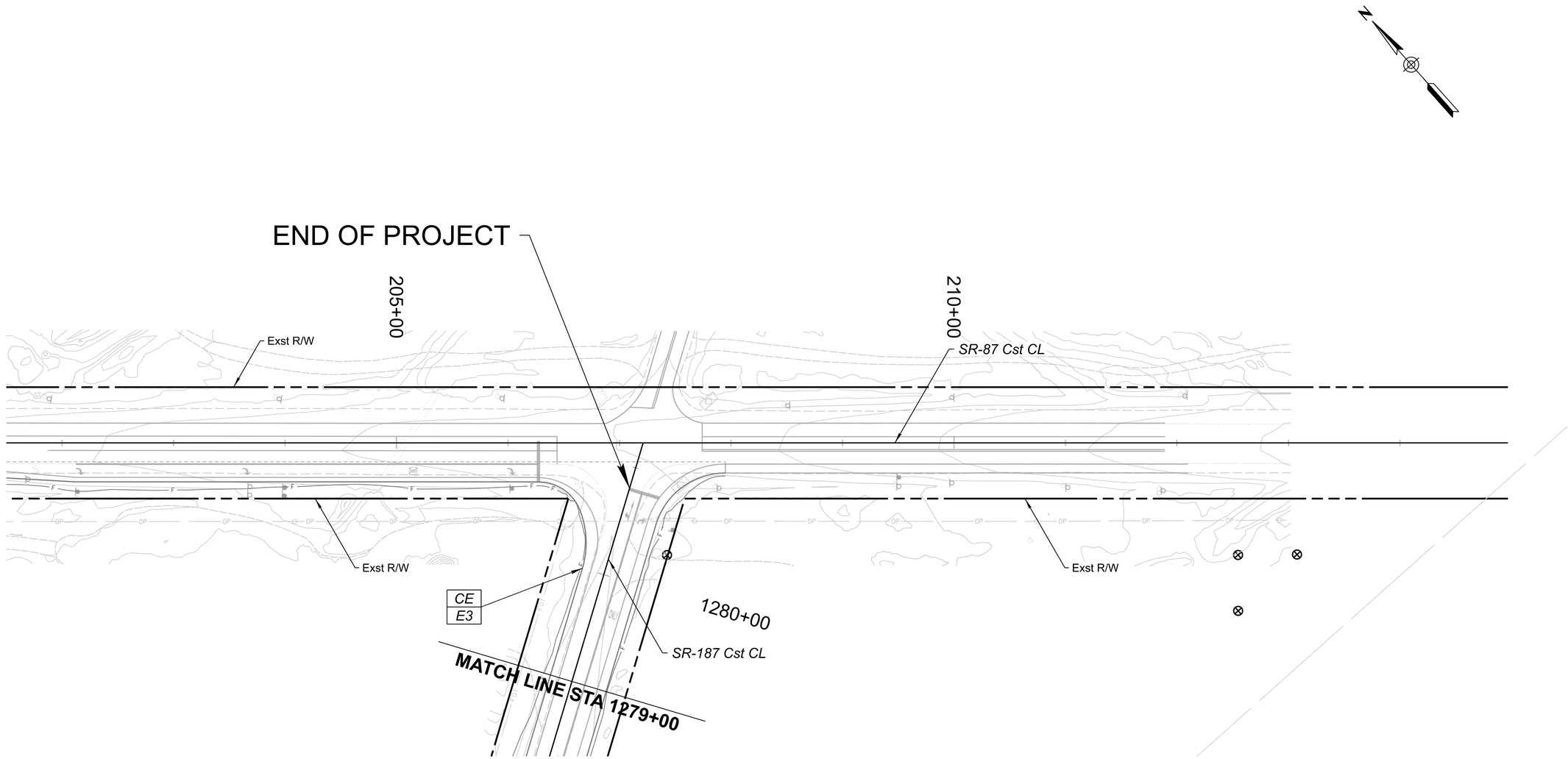
LOCATION SR 187: SR 387 TO SR 87

TRACS NO. F0641 01C

ADOT

DWG NO. R-06.10

___ OF ___



Erosion Control Method

CD
E2

HP = Headwall Protection
CD = Sediment Log Check Dam
CE = Construction Entrance

Detail Reference Number

Notes:
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Registered Landscape Architect CERTIFICATE NO. 34185 SHANE HANNEMAN Date Signed 06/06/25 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	ESN	06/25
DRAWN	ESN	06/25
CHECKED	SH	06/25

J2 Design
4649 E COTTON GIN LOOP B2 PHOENIX, AZ 85040 602.438.2221

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGMENT GROUP

SR 87 PLAN SHEET
EROSION CONTROL

ROUTE SR-187
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division

STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	187 PN 186	187-A(200)T	157	160	

LOCATION SR 187: SR 387 TO SR 87

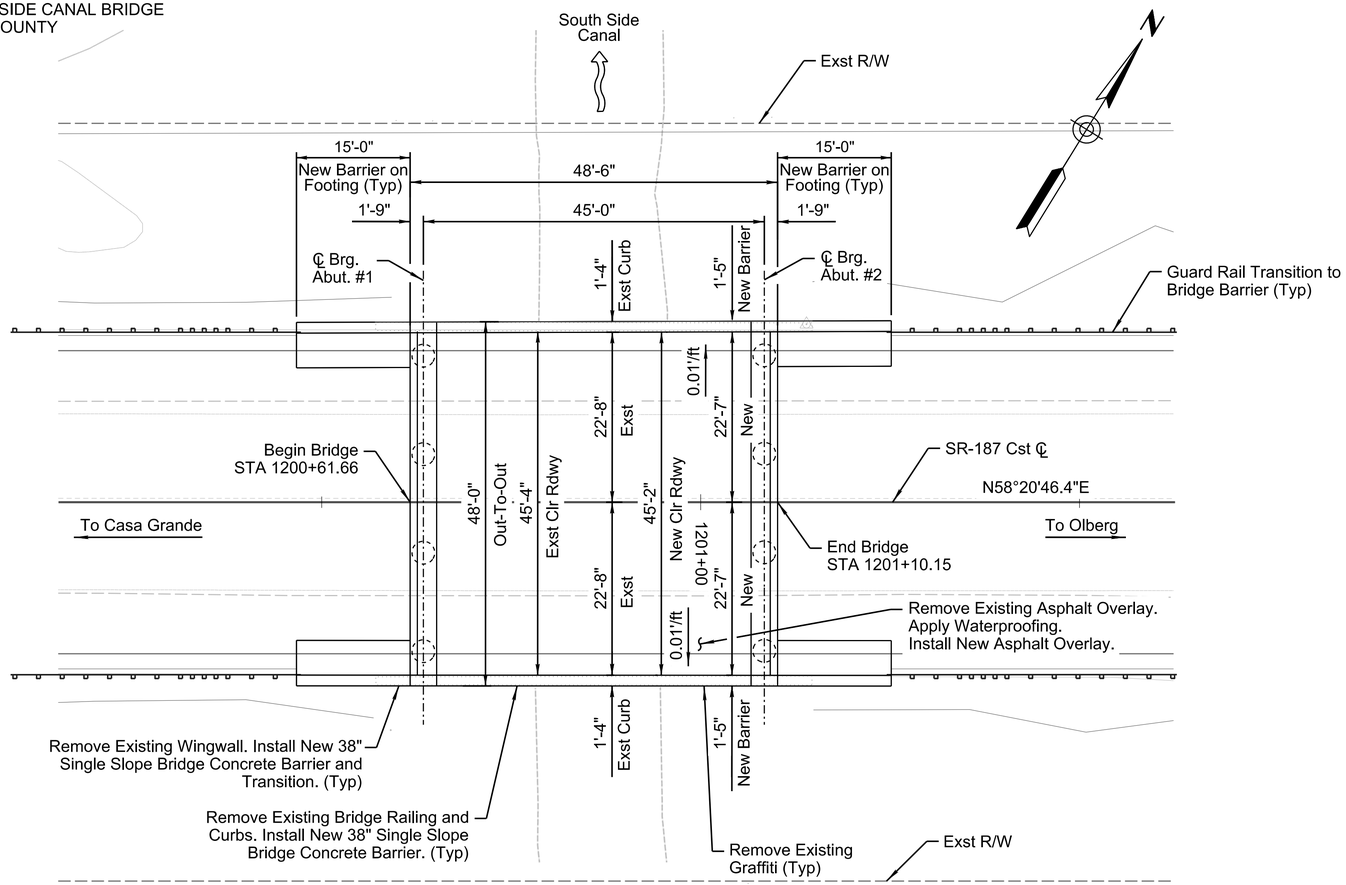
DWG NO. R-06.11

TRACS NO. F0641 01C

ADOT

____ OF____

SR 187
SOUTH SIDE CANAL BRIDGE
PINAL COUNTY

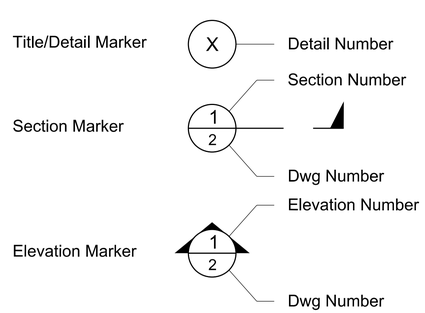


BRIDGE PLAN

Existing 1-Span Prestressed
Concrete Voided Slab Bridge
Scale: 1" = 10'-0"

APPROXIMATE QUANTITIES				
Item Number	Item Description	Units	Total	As-Built
2020009	Removal of Structural Concrete	CY	4	
2020052	Remove (Bridge Railing)	LF	109	
6011150	Single Slope Bridge Concrete Barrier and Transition (38")	LF	157	
9070101	Waterproof Concrete Bridge Deck	SY	259	
9240010	Force Account Work (Bridge Deck Repair)	LS	1	
9240050	Miscellaneous Work (Graffiti Removal)	LS	1	

LEGEND:



INDEX OF SHEETS

S-1.01 Plan View, Quantities, and Gen Notes
S-1.02 Removal Details
S-1.03 Barrier Details

GENERAL NOTES:

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

Design Specifications - AASHTO LRFD Bridge Design Specifications, 8th Edition 2017 with interim revisions.

Live Load - HL-93 for Bridge Rating.

Inventory and Operating Ratings are in conformance with the AASHTO Manual for Bridge Evaluation, 3rd Edition with Interim Revisions to date, in accordance with the Load and Resistance Factor Rating Method.
Inventory Rating - 1.20
Operating Rating - 1.58

All Concrete shall be Class "S".

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

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

All reinforcing steel shall have 2 inch clear cover unless otherwise noted. Where existing reinforcing has less than above clearance, new reinforcing clearance may be reduced as approved by the Engineer.

Chamfer all exposed corners ¾ inch unless noted otherwise.

Dimensions shall not be scaled from drawings.

All damage by the Contractor's operation during work on the bridge deck shall be repaired by the Contractor at no additional cost to the Department. The Contractor shall submit a method of repair to the Engineer for approval prior to construction.

All elevations and dimensions are based on as-built plans. All stations are based on the project construction centerline. Contractor shall verify all relevant dimensions in the field prior to fabrication of all materials.

Barriers shall not be slip formed.

Concrete Strengths:
Barriers.....f'c = 4.0 ksi

The South Side Canal is owned and maintained by the Pima-Maricopa Irrigation Project (PMIP). Contractor shall obtain the necessary approvals and permits from PMIP prior to starting work on the bridge. The cost of all coordination, permits, canal protection, and other PMIP requirements are considered as being included in the cost of contract items.

The existing bridge was built in 1992 by the Arizona Department of Transportation under Project No. S-455-501.

GENERAL DESCRIPTION OF WORK:

1. Remove existing asphalt overlay on bridge. Contractor shall notify the Engineer so the exposed voided slabs can be inspected for damage or deterioration. See Special Provisions and Item No. 9240010.
2. Remove existing bridge rail.
3. Remove existing concrete curbs. Existing reinforcing bars extending into the curbs from the voided slabs shall be protected in place.
4. Remove existing concrete wingwalls. See details.
5. Remove graffiti from bridge abutments and sides of voided slabs. See Special Provisions and Item 9240050.
6. Construct new 38" Single Slope Bridge Concrete Barriers (SD 1.10). See details.
7. Construct new Guard Rail Transition at all 4 corners of the bridge.
8. Apply waterproofing to existing voided slabs. See Section 907 of the Specifications, the Special Provisions, and Item 9070101.
9. Construct asphalt overlay across bridge (See Sheet G-01.01).

Registered Professional Engineer (Civil) CERTIFICATE NO. 44976 BRIAN A. GRIMALDI Date Signed 06/05/25 ARIZONA, U.S.A.

NO.	REVISIONS	BY	DATE

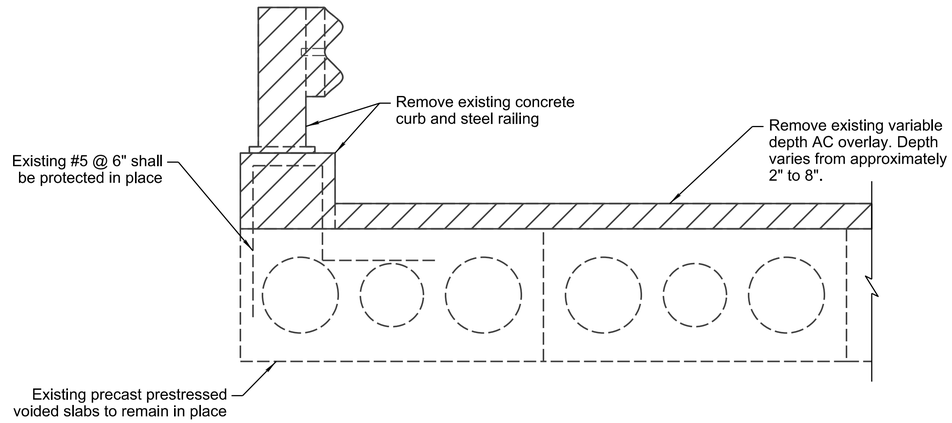
	NAME	DATE
DESIGN	BAG	06/25
DRAWN	HGM	06/25
CHECKED	SEO	06/25

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

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
BRIDGE SERVICES

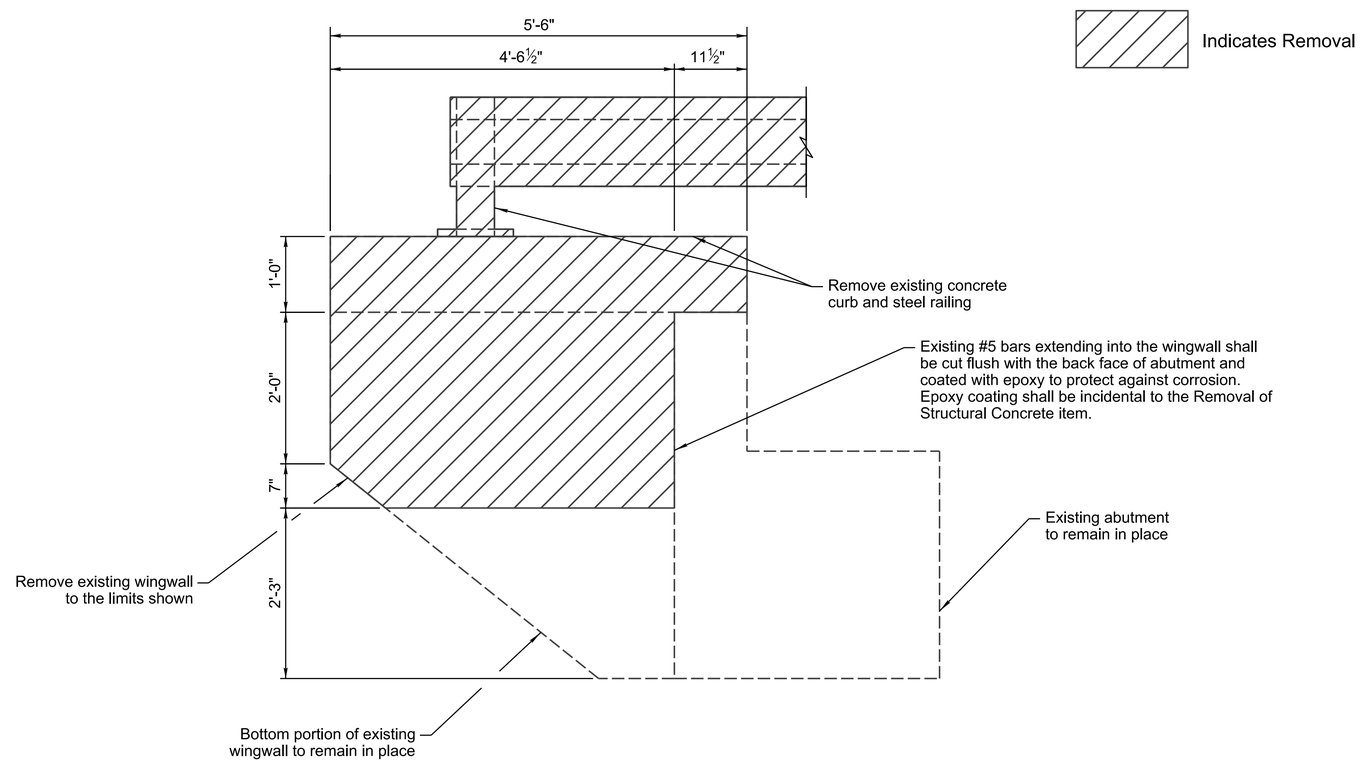
STA 1200+61
SOUTH SIDE CANAL BRIDGE
PLAN VIEW, QUANTITIES, AND GEN NOTES

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
SR-187		ARIZ.	187 PN 186	187-A(200)T	158	160	
MILEPOST 190.70	LOCATION SR 187: SR 387 TO SR 87						DWG NO. S-1.01
STRUCTURE NO. 2356	TRACS NO. F0641 01C	ADOT					___ OF___



CURB, RAILING AND AC OVERLAY REMOVAL DETAIL (1 / -)

Scale: NTS



WINGWALL REMOVAL DETAIL (2 / -)

Scale: NTS

Registered Professional Engineer (Civil) CERTIFICATE NO. 44876 BRIAN A. GRIMALDI Date Signed 06/05/25 ARIZONA, U.S.A.

NO.	REVISIONS	BY	DATE

	NAME	DATE
DESIGN	BAG	06/25
DRAWN	HGM	06/25
CHECKED	SEO	06/25

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

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
BRIDGE SERVICES

STA 1200+61
SOUTH SIDE CANAL BRIDGE
REMOVAL DETAILS

ROUTE SR-187
MILEPOST 190.70
STRUCTURE NO. 2356

F.H.W.A. Arizona Division

STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	187 PN 186	187-A(200)T	159	160	

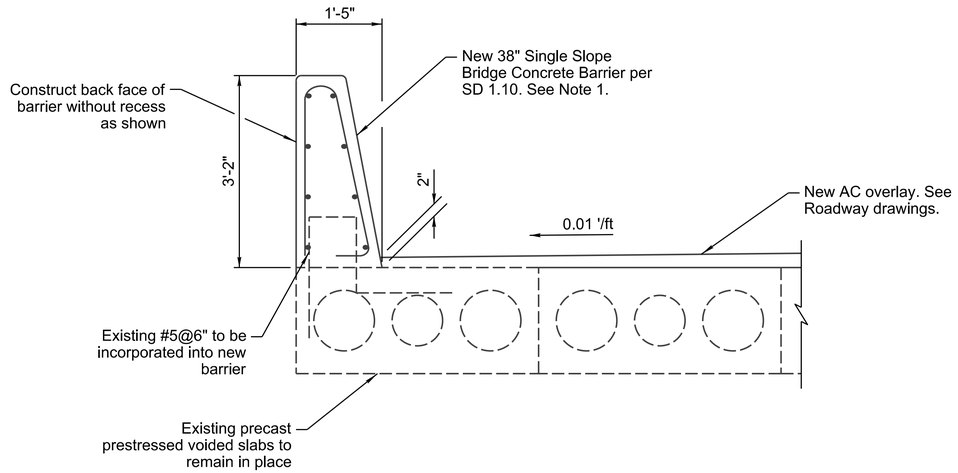
LOCATION SR 187: SR 387 TO SR 87

DWG NO. S-1.02

TRACS NO. F0641 01C

ADOT

____ OF ____

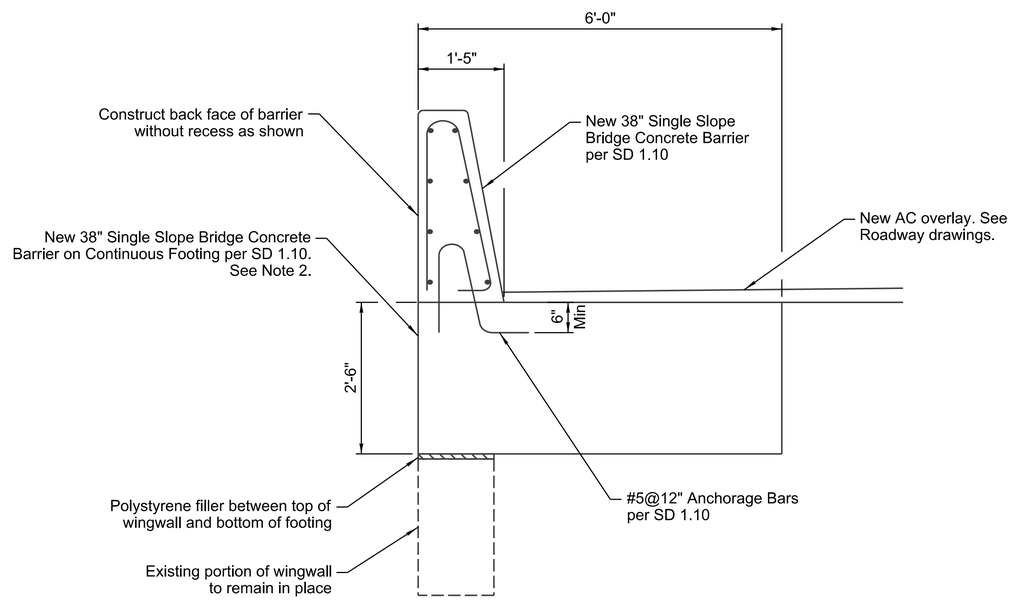


NEW BRIDGE BARRIER DETAIL (3 / -)

Scale: NTS

NOTES:

1. Omit new #5 @ 12" anchorage bars from 38" Single Slope Bridge Concrete Barrier when constructed on top of the existing voided slabs. See SD 1.10 for barrier reinforcing details.
2. Footing reinforcing not shown for clarity. See SD 1.10 for barrier and footing reinforcing details.



NEW APPROACH BARRIER DETAIL (4 / -)

Scale: NTS

NO.	REVISIONS	BY	DATE

	NAME	DATE
DESIGN	BAG	06/25
DRAWN	HGM	06/25
CHECKED	SEO	06/25

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

Registered Professional Engineer (Civil) CERTIFICATE NO. 44976 BRIAN A. GRIMALDI Date Signed 06/05/25 ARIZONA, U.S.A.

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
BRIDGE SERVICES

STA 1200+61
SOUTH SIDE CANAL BRIDGE
BARRIER DETAILS

ROUTE	MILEPOST	STRUCTURE NO.
SR-187	190.70	2356

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	187 PN 186	187-A(200)T	160	160	

LOCATION: SR 187: SR 387 TO SR 87

TRACS NO. F0641 01C

ADOT

DWG NO. S-1.03

____ OF____