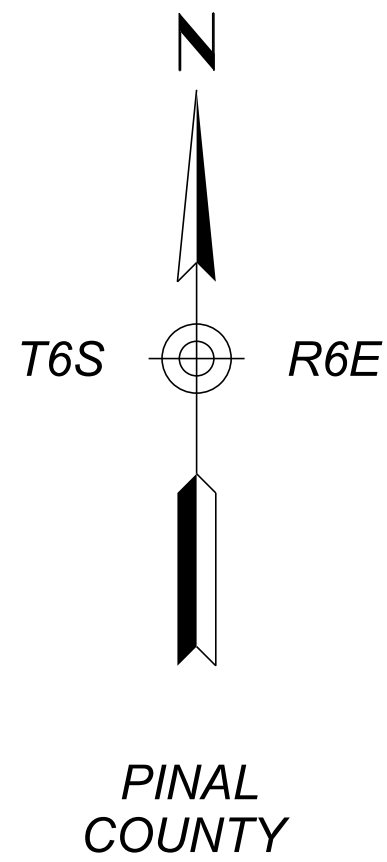
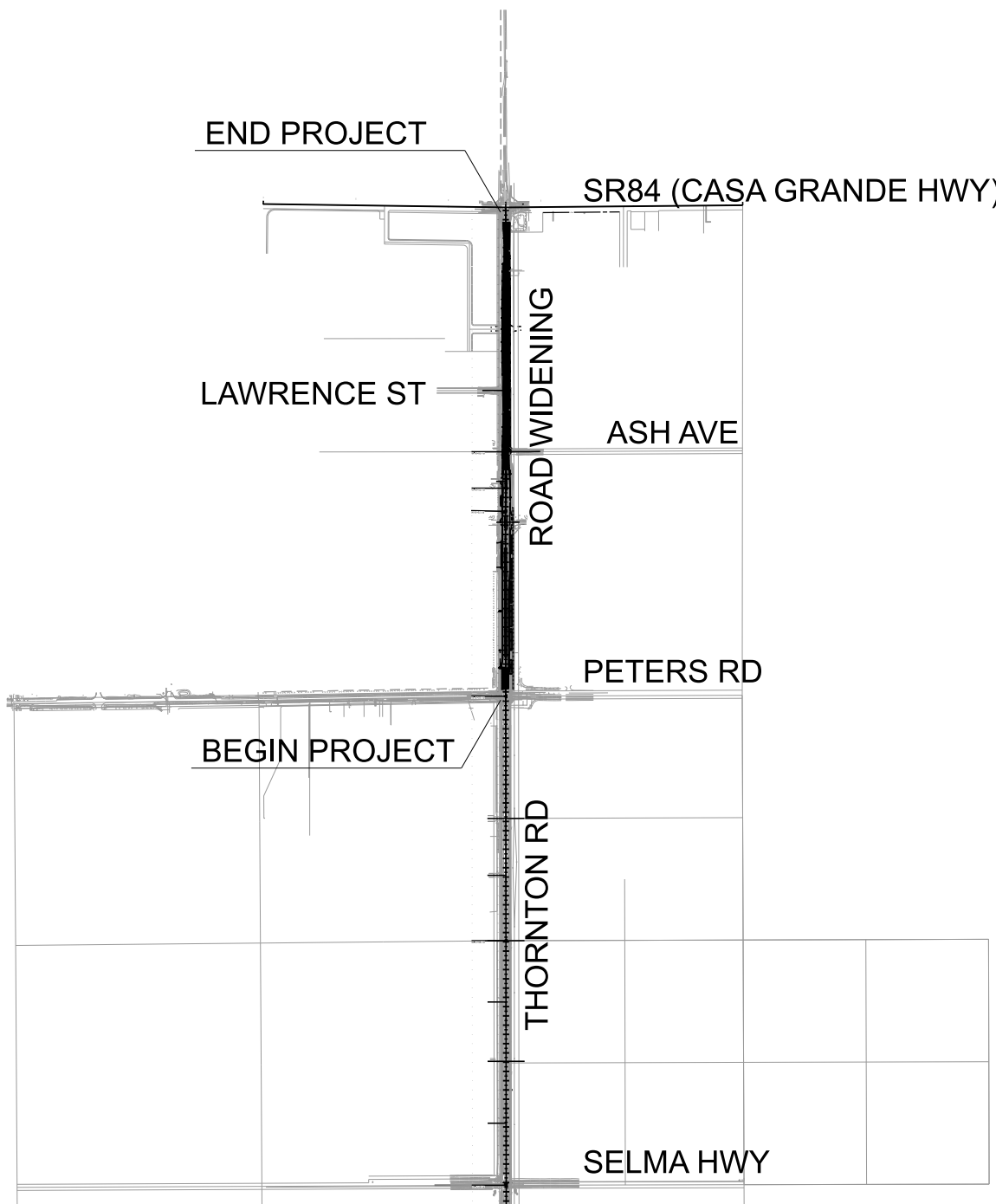




STATE OF ARIZONA
DEPARTMENT OF TRANSPORTATION
PROJECT DELIVERY AND OPERATIONS DIVISION

PROJECT PLANS

URBANIZED AREA
CITY OF CASA GRANDE



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

THORNTON ROAD; SR 84 - PETERS RD
PROJECT NO. 0000 PN CSG T0530 01C
FEDERAL AID NO. CSG-0(214)T

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

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

CONSTRUCTION STANDARDS
EFFECTIVE MARCH 2025

DATE	STANDARD	SUBJECT TITLE
5/12	C-01.10 SH 1	SYMBOL LEGEND
5/12	C-01.10 SH 2	SYMBOL LEGEND
5/12	C-01.10 SH 3	SYMBOL LEGEND
5/12	C-01.10 SH 4	SYMBOL LEGEND
12/17	C-01.30 SH 1	GENERAL ABBREVIATIONS
5/12	C-01.30 SH 2	GENERAL ABBREVIATIONS
5/12	C-01.30 SH 3	GENERAL ABBREVIATIONS
5/12	C-02.10	SLOPES, RURAL DIVIDED HIGHWAYS
5/12	C-02.20	SLOPES, RURAL UNDIVIDED AND FRINGE-URBAN HIGHWAYS
5/12	C-02.30	SLOPES, MISCELLANEOUS ROADWAYS
5/12	C-03.10 SH 1	DITCHES, CHANNELS, DIKES AND BERMS, DITCHES AND CHANNELS
5/12	C-03.10 SH 2	DITCHES, CHANNELS, DIKES AND BERMS, DIKES
5/12	C-03.10 SH 3	DITCHES, CHANNELS, DIKES AND BERMS, DITCH DIKE
5/12	C-03.10 SH 4	DITCHES, CHANNELS, DIKES AND BERMS, PIPE BERMS
5/12	C-03.10 SH 5	DITCHES, CHANNELS, DIKES AND BERMS, HEADWALL BERMS
12/17	C-04.10 SH 1	SPILLWAY, EMBANKMENT SINGLE INLET
12/17	C-04.10 SH 2	SPILLWAY, EMBANKMENT DOUBLE INLET
12/17	C-04.20 SH 1	DOWNDRAIN, EMBANKMENT SINGLE INLET
12/17	C-04.20 SH 2	DOWNDRAIN, EMBANKMENT DOUBLE INLET
12/17	C-04.30	SPILLWAY LENGTH TABLE
12/17	C-04.40	DOWNDRAIN LENGTH TABLE
5/12	C-04.50	DOWNDRAIN ENERGY DISSIPATOR
5/12	C-05.10	CURB & GUTTER, CURB, GUTTER
5/12	C-05.12 SH 1	CURB & GUTTER TRANSITIONS
5/12	C-05.12 SH 2	CURB & GUTTER TRANSITIONS
5/12	C-05.12 SH 3	CURB AND GUTTER TRANSITIONS
5/12	C-05.20 SH 1	CONCRETE DRIVEWAYS & SIDEWALKS, DRIVEWAYS
5/12	C-05.20 SH 2	CONCRETE DRIVEWAYS & SIDEWALKS, SIDEWALKS
5/12	C-05.30 SH 1	SIDEWALK RAMP, TYPE A
5/12	C-05.30 SH 2	SIDEWALK RAMP, TYPE B
5/12	C-05.30 SH 3	SIDEWALK RAMP, TYPE C
5/12	C-05.30 SH 4	SIDEWALK RAMP, TYPE D
5/12	C-05.30 SH 5	SIDEWALK RAMP, TYPE E
5/12	C-05.30 SH 6	SIDEWALK RAMP, TYPE F
5/12	C-05.30 SH 7	SIDEWALK RAMP, DETECTABLE WARNING STRIP
5/12	C-05.40	MEDIAN PAVING AND NOSE TAPER
5/12	C-05.50	CONCRETE BUS BAY
5/12	C-06.10 SH 1	DRIVEWAY & TURNOUT LAYOUTS
5/12	C-06.10 SH 2	DRIVEWAY & TURNOUT LAYOUTS
5/12	C-07.01 SH 1	PCCP JOINTS
5/12	C-07.01 SH 2	PCCP JOINTS
5/12	C-07.02	LOAD TRANSFER DOWEL ASSEMBLY
5/12	C-07.03 SH 1	PCCP JOINT LOCATIONS, MAINLINE SKEWED JOINTS
5/12	C-07.03 SH 2	PCCP JOINT LOCATIONS, MAINLINE SKEWED JOINTS
5/12	C-07.03 SH 3	PCCP JOINT LOCATIONS, MAINLINE SKEWED JOINTS
5/12	C-07.03 SH 4	PCCP JOINT LOCATIONS, MAINLINE SKEWED JOINTS
5/12	C-07.03 SH 5	PCCP JOINT LOCATIONS, MAINLINE NON-SKEWED JOINTS
5/12	C-07.03 SH 6	PCCP JOINT LOCATIONS, MAINLINE NON-SKEWED JOINTS
5/12	C-07.03 SH 7	PCCP JOINT LOCATIONS, MAINLINE NON-SKEWED JOINTS
5/12	C-07.03 SH 8	PCCP JOINT LOCATIONS, MAINLINE NON-SKEWED JOINTS
5/12	C-07.04 SH 1	PCCP JOINT LOCATIONS, PARALLEL-TYPE ENTRANCE RAMP WITH AUXILIARY LANE
5/12	C-07.04 SH 2	PCCP JOINT LOCATIONS, PARALLEL-TYPE EXIT RAMP WITH AUXILIARY LANE
5/12	C-07.04 SH 3	PCCP JOINT LOCATIONS, TAPER-TYPE ENTRANCE RAMP
5/12	C-07.04 SH 4	PCCP JOINT LOCATIONS, TAPER-TYPE EXIT RAMP
5/12	C-07.04 SH 5	PCCP JOINT LOCATIONS, CROSSROAD AND RAMP TERMINI
8/21	C-07.06	TRENCH BACKFILL AND PAVEMENT REPLACEMENT
5/12	C-08.20	PAVED GORE AREA
12/17	C-10.00	GUARDRAIL MEASUREMENT LIMITS
12/17	C-10.01	GUARDRAIL INSTALLATION
12/17	C-10.03	W-BEAM GUARDRAIL, MGS BLOCKED-OUT TIMBER POST
12/17	C-10.04	W-BEAM GUARDRAIL, MGS BLOCKED-OUT STEEL POST
12/17	C-10.05 SH 1	W-BEAM GUARDRAIL (MODIFIED) WITH FREEWAY CURB AND GUTTER
12/17	C-10.05 SH 2	W-BEAM GUARDRAIL (MODIFIED) WITH FREEWAY CURB AND GUTTER
12/17	C-10.06	W-BEAM GUARDRAIL LONG-SPAN
12/17	C-10.07 SH 1	W-BEAM GUARDRAIL, BOX CULVERT GUARDRAIL POST
12/17	C-10.07 SH 2	W-BEAM GUARDRAIL, BOX CULVERT GUARDRAIL POST
12/17	C-10.08 SH 1	W-BEAM GUARDRAIL, END ANCHOR
12/17	C-10.08 SH 2	W-BEAM GUARDRAIL, END ANCHOR
12/17	C-10.09	GUARDRAIL POST ROCK INSTALLATION
4/19	C-10.20 SH 1	GUARDRAIL END TERMINAL PAD LAYOUT FOR SOFTSTOP
4/19	C-10.20 SH 2	GUARDRAIL END TERMINAL PAD LAYOUT FOR SOFTSTOP
4/19	C-10.21 SH 1	GUARDRAIL END TERMINAL PAD LAYOUT FOR MSKT
4/19	C-10.21 SH 2	GUARDRAIL END TERMINAL PAD LAYOUT FOR MSKT
4/19	C-10.22 SH 1	GUARDRAIL END TERMINAL PAD LAYOUT FOR MAX-TENSION
4/19	C-10.22 SH 2	GUARDRAIL END TERMINAL PAD LAYOUT FOR MAX-TENSION
4/21	C-10.23 SH 1	GUARDRAIL END TERMINAL PAD LAYOUT FOR SGET
4/21	C-10.23 SH 2	GUARDRAIL END TERMINAL PAD LAYOUT FOR SGET
3/25	C-10.24 SH 1	GUARDRAIL END TERMINAL PAD LAYOUT FOR NGT
3/25	C-10.24 SH 2	GUARDRAIL END TERMINAL PAD LAYOUT FOR NGT
11/19	C-10.26 SH 1	GUARDRAIL END TERMINAL PAD LAYOUT FOR MFLEAT
11/19	C-10.26 SH 2	GUARDRAIL END TERMINAL PAD LAYOUT FOR MFLEAT
12/17	C-10.30 SH 1	GUARDRAIL TRANSITION TO CONCRETE BARRIER, TIMBER POST
12/17	C-10.30 SH 2	GUARDRAIL TRANSITION TO CONCRETE BARRIER, TIMBER POST
12/17	C-10.31 SH 1	GUARDRAIL TRANSITION TO CONCRETE BARRIER, STEEL POST
12/17	C-10.31 SH 2	GUARDRAIL TRANSITION TO CONCRETE BARRIER, STEEL POST
12/17	C-10.38 SH 1	GUARDRAIL TAPER G4 TO MGS W-BEAM WITH STAGGERED POST
12/17	C-10.38 SH 2	GUARDRAIL TAPER G4 TO MGS W-BEAM WITH OFFSET RAIL
12/17	C-10.40	CONCRETE MEDIAN BARRIER, 32" TYPE 'F', CAST-IN-PLACE
12/17	C-10.41	CONCRETE MEDIAN BARRIER, 42" TYPE 'F', CAST-IN-PLACE
12/17	C-10.44 SH 1	CONCRETE MEDIAN BARRIER, 42" TYPE 'F'WITH VARIABLE HEIGHT SIDES, H=0"TO 26"
12/17	C-10.44 SH 2	CONCRETE MEDIAN BARRIER, 42" TYPE 'F'WITH VARIABLE HEIGHT SIDES, H=0"TO 26"
12/17	C-10.45 SH 1	CONCRETE MEDIAN BARRIER, 42" TYPE 'F'WITH VARIABLE HEIGHT SIDES, H=26"TO 60"
12/17	C-10.45 SH 2	CONCRETE MEDIAN BARRIER, 42" TYPE 'F'WITH VARIABLE HEIGHT SIDES, H=26"TO 60"
12/17	C-10.50 SH 1	CONCRETE HALF BARRIER, 32" TYPE 'F', CAST-IN-PLACE
12/17	C-10.50 SH 2	CONCRETE HALF BARRIER, 32" TYPE 'F', PRECAST
12/17	C-10.51	CONCRETE HALF BARRIER, 32" TYPE 'F' WITH SIDEWALK

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

ADOT STANDARD DRAWINGS REVISION DATES and STANDARD NO.'s REVIEW			
		NAME	DATE
CONSTRUCTION STANDARDS		Sean Nugent, PE	8/8/2025
PROJECT NO.		1A	OF 72
0000 PN CG T0530 01C			
RECORD DRAWING DATA	FEDERAL ID NO. CSG-0(214)T	REC. DWG. DATE	OF

ADOT STANDARD DRAWINGS

TRAFFIC SIGNING & MARKING STANDARDS

(SHEET 1 OF 2)

EFFECTIVE MAY 2025

REVISION DATE	STANDARD NUMBER	SUBJECT : SIGNING AND MARKING DETAILS
6/14	M-1	CURB MARKINGS FOR RAISED MEDIAN AND ISLANDS
1/20	M-2 SHT 1	INTERSECTION STRIPING
5/15	M-2 SHT 2	INTERSECTION STRIPING (TWO-LANE RURAL)
6/14	M-2 SHT 3	CENTERLINE AND REVERSE CURVE DETAILS
6/14	M-3	STRIPING AND DELINEATION FOR FREEWAY TERMINALS
6/14	M-4	PASSING LANE STRIPING DETAILS
6/14	M-5	RAILROAD PAVEMENT MARKINGS
6/14	M-6	WORD MARKINGS
6/14	M-7	PAVEMENT LETTERS
6/14	M-8	PAVEMENT LETTERS
6/14	M-9	PAVEMENT NUMBERS
6/14	M-10 SHT 1	PAVEMENT MARKING SYMBOLS
6/14	M-10 SHT 2	PAVEMENT MARKING SYMBOLS
5/25	M-10 SHT 3	PAVEMENT MARKING SYMBOLS
6/14	M-11	TURN LANE PAVEMENT MARKINGS
6/14	M-12	WRONG-WAY ARROWS
1/19	M-13	PREFERENTIAL LANE PAVEMENT MARKINGS
6/14	M-14	STRIPING AND DELINEATION FOR TRUCK ESCAPE RAMPS
8/20	M-15 SHT 1	PAVEMENT MARKING FOR FREEWAY ENTRANCE RAMP - TAPERED ACCELERATION LANE
8/20	M-15 SHT 2	PAVEMENT MARKING FOR FREEWAY ENTRANCE RAMP - PARALLEL ACCELERATION LANE
8/20	M-15 SHT 3	PAVEMENT MARKING FOR FREEWAY ENTRANCE RAMP - PARALLEL ACCELERATION LANE WITH HOV BYPASS
6/14	M-15 SHT 4	PAVEMENT MARKING FOR FREEWAY PARALLEL - ACCELERATION LANE
8/20	M-16 SHT 1	PAVEMENT MARKING FOR FREEWAY EXIT RAMPS - TAPERED DECELERATION LANE
8/20	M-16 SHT 2	PAVEMENT MARKING FOR FREEWAY EXIT RAMP - PARALLEL DECELERATION LANE
8/20	M-17	FREEWAY LANE DROP PAVEMENT MARKINGS
11/24	M-19 SHT 1	RAISED PAVEMENT MARKER PLAN LEGEND
6/14	M-19 SHT 2	NON-REFLECTIVE RAISED PAVEMENT MARKER DETAILS
11/24	M-19 SHT 3	RETROREFLECTIVE RAISED PAVEMENT MARKER DETAILS
11/24	M-19 SHT 4	RETROREFLECTIVE RAISED PAVEMENT MARKER DETAILS
5/15	M-19 SHT 5	PAVEMENT MARKING DETAILS FOR UNDIVIDED HIGHWAYS
6/14	M-19 SHT 6	RETROREFLECTIVE RAISED PAVEMENT MARKERS (RPM) FOR UNDIVIDED HIGHWAYS
8/20	M-19 SHT 7	FREEWAY AND DIVIDED HIGHWAY EDGE LINE AND LANE STRIPING
5/15	M-19 SHT 8	LANE DROP MARKING AND RAMP OR INTERSECTION GUIDE STRIPING
8/20	M-19 SHT 9	PAVEMENT MARKING CROSS-SECTION DETAILS FOR HIGHWAYS AND FREEWAYS
6/24	M-19 SHT 10	CONTRAST LANE LINE FOR FREEWAY AND DIVIDED HIGHWAY
10/23	M-19 SHT 11	LEAD-LAG CONTRAST PAVEMENT MARKINGS FOR CONCRETE PAVEMENT

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

ADOT STANDARD DRAWINGS			
REVISION DATES and STANDARD NO.'s REVIEW			
SIGNING & MARKING STANDARDS		NAME	DATE
PROJECT NO.		Sean Nugent, PE	8/8/2025
0000 PN CG T0530 01C		1B-1	OF 72
RECORD DRAWING DATA	FEDERAL ID NO. CSG-0(214)T	REC. DWG. DATE	OF

ADOT STANDARD DRAWINGS

TRAFFIC SIGNING & MARKING STANDARDS

(SHEET 2 OF 2)

EFFECTIVE MAY 2025

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

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

ADOT STANDARD DRAWINGS REVISION DATES and STANDARD NO.'s REVIEW			
SIGNING & MARKING STANDARDS		NAME Sean Nugent, PE	DATE 8/8/2025
PROJECT NO. 0000 PN CG T0530 01C		1B-2	OF 72
RECORD DRAWING DATA	FEDERAL ID NO. CSG-0(214)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
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	4.10		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		Sean Nugent, PE	8/8/2025
PROJECT NO. 0000 PN CG T0530 01C		1C-1 OF 72	
RECORD DRAWING DATA	FEDERAL ID NO. CSG-0(214)T	REC. DWG. DATE	OF

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
	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		Sean Nugent, PE	8/8/2025
PROJECT NO.		0000 PN CG T0530 01C	
		1C-2	OF 72
RECORD DRAWING DATA	FEDERAL ID NO. CSG-0(214)T	REC. DWG. DATE	OF

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

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

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

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

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

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

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

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

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

The contractor shall avoid nests with relocation directions.

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

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

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

BIO-3: Burrowing Owls ☐ N/A

BIO-3A and BIO-3C: Burrowing Owl Awareness Flyer and Burrowing Owl Relocations; see Section 104.16 BIO-3A and Section 104.16 BIO-3C of the specifications for direction.

BIO-4: Bats ☒ N/A

BIO-5: Sonoran Desert Tortoise ☒ No ☐ Yes

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

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

☒ Noxious Species Control Plan (NSCP) required

6. **CULTURAL RESOURCES PROGRAM**

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

7. **HAZARDOUS MATERIALS PROGRAM**

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

☒ No Hazardous Materials Program Action Required

8. **NOISE PROGRAM**

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

9. **AIR QUALITY PROGRAM**

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

10. **OTHER ENVIRONMENTAL ISSUES**

Project Specific Environmental Commitments: ☒ N/A

Arizona Department of Transportation Environmental Planning Standard Template				
Environmental, Permits, Issues, And Commitments (EPIC) Sheet				
Environmental Planner Name		Julia Manobianco		R.E. Name
Environmental Planning Date of Completion		9/5/2025		R.E. Signature
FEDERAL ID NO.	CSG-0(214)T			
PROJECT NO.	0000 PN CSG T0530 01C			
REC DWG DATE:		_____ OF _____		With the above signature, the R.E. attests that all EPIC work for this project has been satisfactorily completed.
		_____ 1F _____ OF _____ 72 _____		Sheet 1F

MIDPOINT OF PROJECT

Central Zone
State Plane Coordinates
X=743,706
Y=680,748

LENGTH OF PROJECT

Sta 153+30.00 to Sta 203+73.69 = 5,043.69'
Gross and Net Length = 5,043.69' = 0.96 Miles

DESIGN DATA

Posted Speed = 45 MPH

SHEET INDEX

SHEET	DRAWING	DESCRIPTION
1		Face Sheet
1A, 1B-1, 1B-2, 1C-1, 1C-2		ADOT Standard Drawings
1F	EPIC	EPIC Sheet
2	G-01.01	Design Data Sheet
3-4	G-02.01-G-02.02	Typical Sections
5-7	G-03.01-G-03.03	Details
8-9	C-01.01-C-01.02	Geometric Layout & Control
10-11	C-02.01-C-02.02	Driveway Staking Sheets
12-27	C-03.01-C-03.16	Roadway Plan & Profile Sheets
28-38	C-04.01-C-04.11	Removal Sheets
39	T-01.01	Signing & Pavement Marking General Notes
40-45	T-02.01-T-02.06	Signing & Pavement Marking Plans
46-51	T-03.01-T-03.06	Signing Summary Sheets
52	T-04.01	Signing Formats
53-54	T-05.01-T-05.02	Lighting General Notes and Pole Schedule
55-57	T-05.03-T-05.05	Lighting Details
58-62	T-06.01-T-06.05	Lighting Plans
63-65	CS-01.01-CS-01.03	Construction Sequencing
66-68	TC-01.01-TC-01.03	Traffic Control Sheets
69-72	EC-01.01-EC-01.04	Erosion Control Sheets

GENERAL NOTES

1. The roadway plans have been designed utilizing the Construction Standard Drawings (C-Series). Refer to the 1A sheet for a listing of current revision dates.
2. 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.
3. Where only the horizontal location of an existing utility is shown, the location is approximate. Where both the horizontal and vertical locations of an existing utility are shown, the locations have been verified by field survey methods. The contractor shall comply with all current Arizona 811 laws and Section 107.15 of the Specifications.
4. The average project elevation is 1398'.
5. Survey Monuments in the construction area must not be disturbed.
6. No new Right of Way is included in this project. Temporary Construction Easements are included in this project.

EARTHWORK QUANTITIES

Roadway Excavation (Incl Basin Ex)	9,029 CY
Roadway Embankment (Incl Gnd Comp)	1,075 CY
*Shrink	161 CY
Waste	7,792 CY

*Shrink factor only applied to embankment due to this being a waste project.

EARTHWORK FACTORS

Description	Shrink/Swell	Ground Compaction
Rock Removal & Roadway Excavation	15% Shrink	0.15'



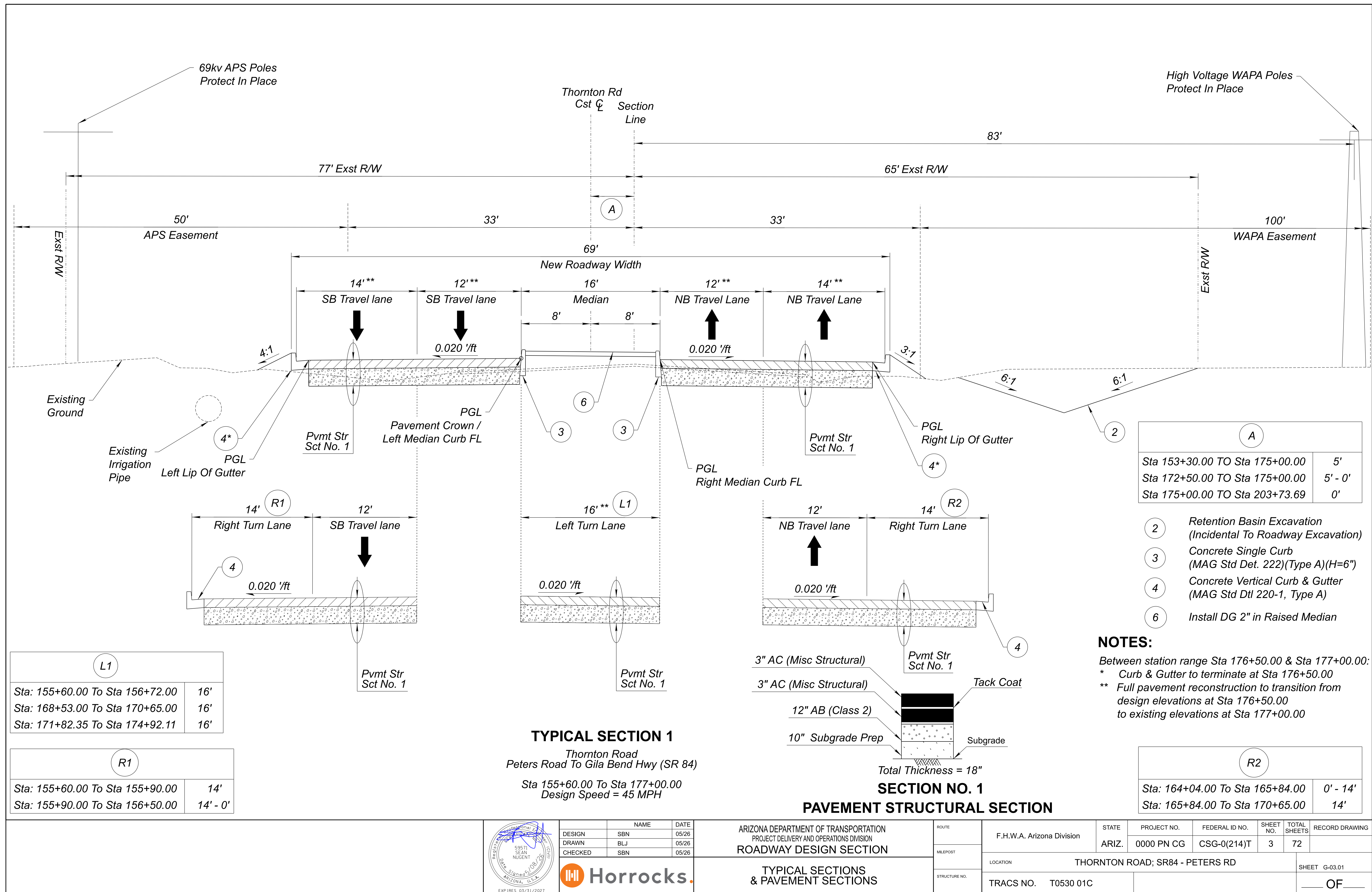
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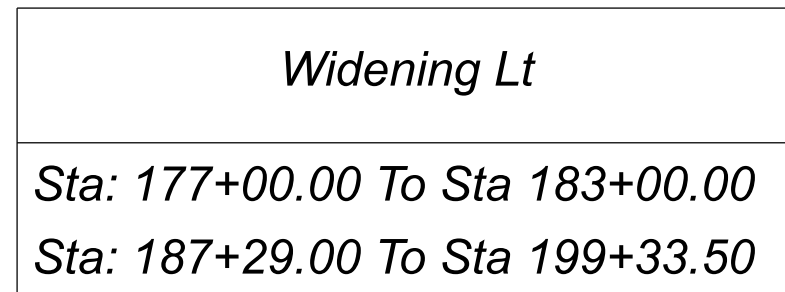
Horrocks

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

GENERAL NOTES

ROUTE	F.H.W.A. Arizona Division	STATE	ARIZ.	PROJECT NO.	0000 PN CG	FEDERAL ID NO.	CSG-0(214)T	SHEET NO.	2	TOTAL SHEETS	72	RECORD DRAWING
MILEPOST	THORNTON ROAD; SR84 - PETERS RD										SHEET G-01.01	
STRUCTURE NO.	TRACS NO. T0530 01C										____ OF ____	





Thornton Road
Peters Road To Gila Bend Hwy
Sta 177+00.00 To Sta 203+73.69
Design Speed = 45 MPH



PAVEMENT STRUCTURAL SECTION

1. See *Roadway Plans* for limits of Seal Coat application on existing surface.
2. See *Removal Plans* for sawcut limits.
3. Construct check dams in v-ditch per *Roadway Plans* and *ADOT Erosion/ Sediment Control Detail ES9 (Rock Check Dam)*.

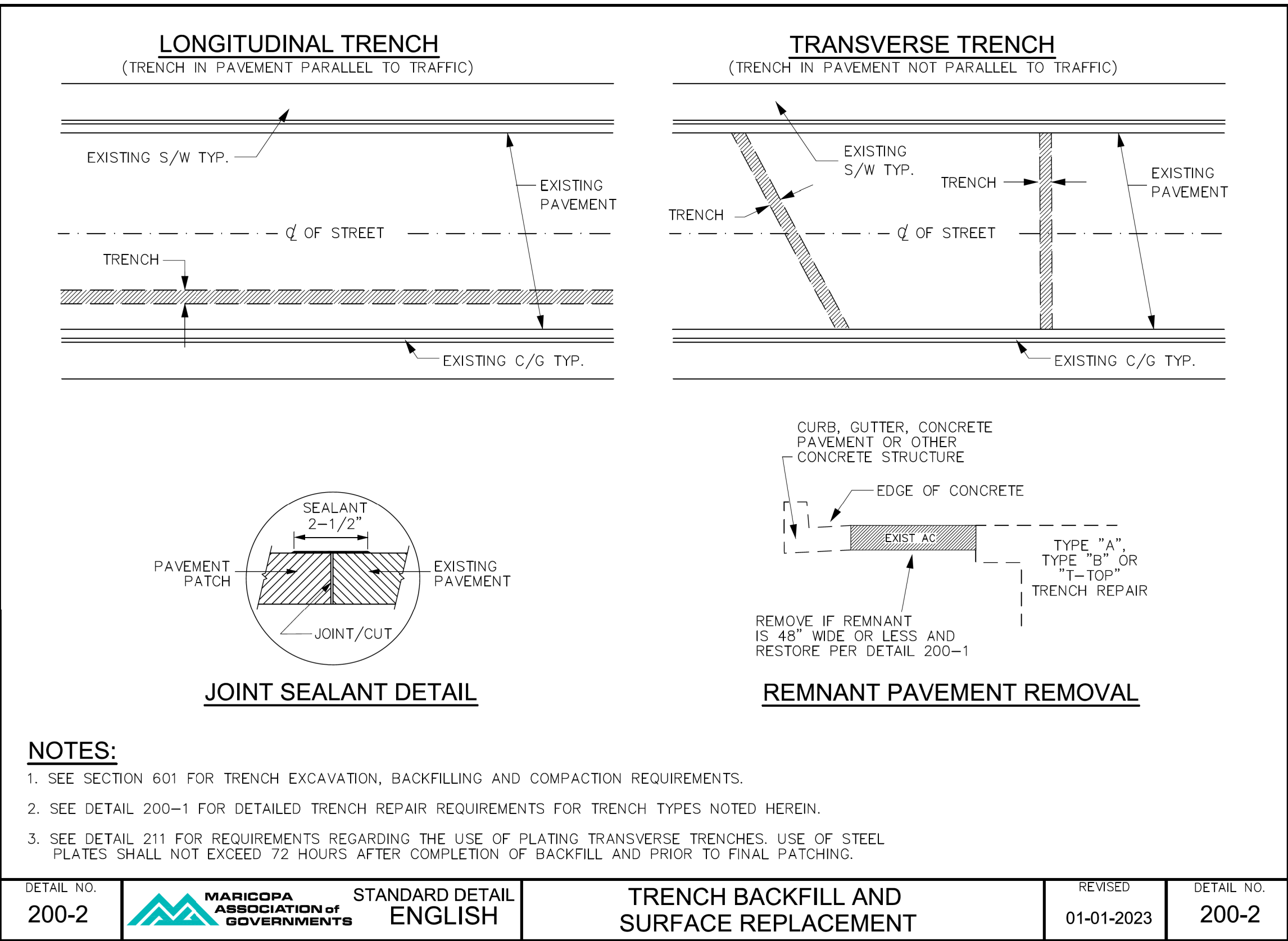
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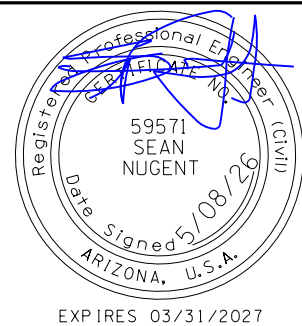
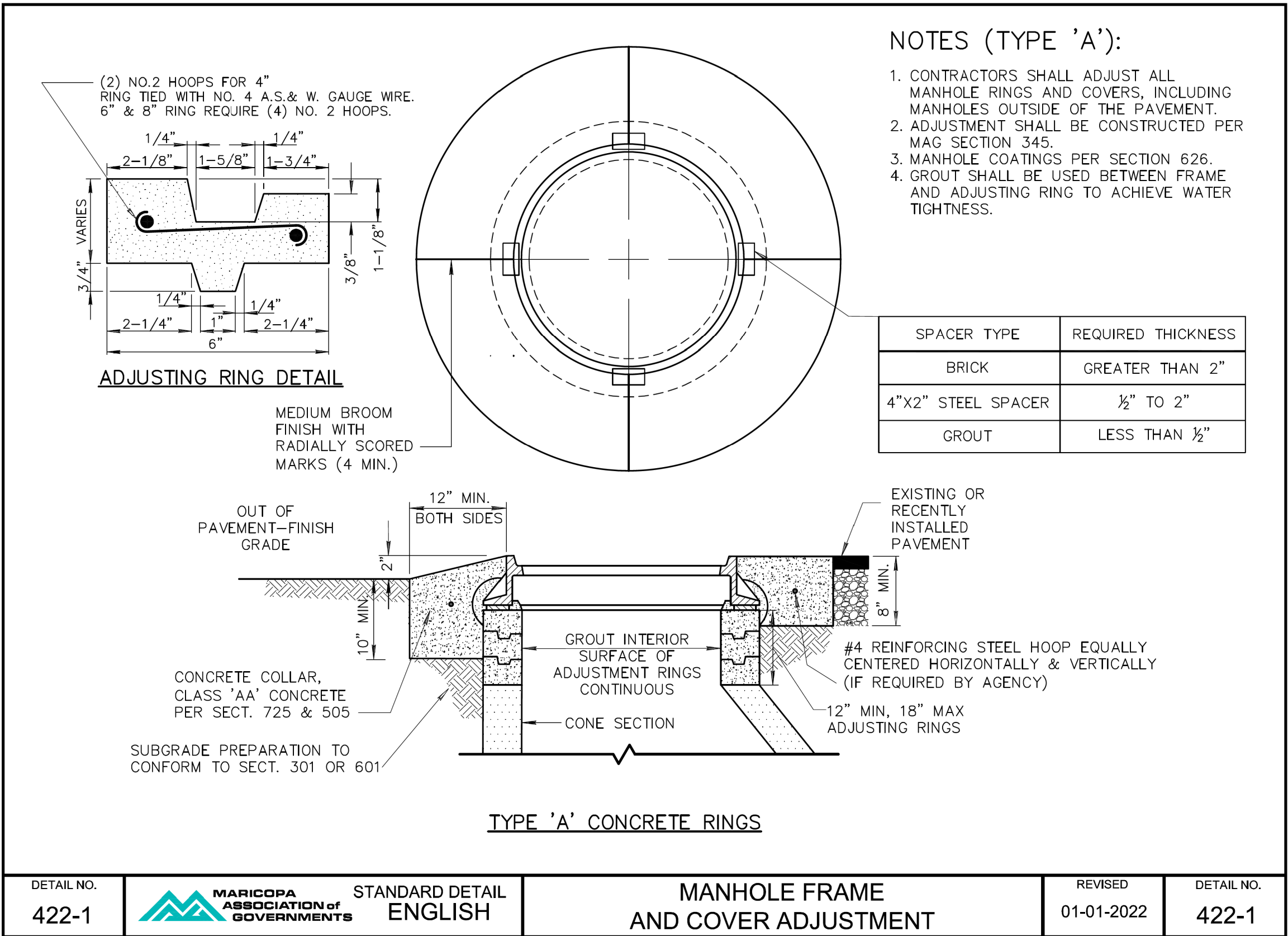
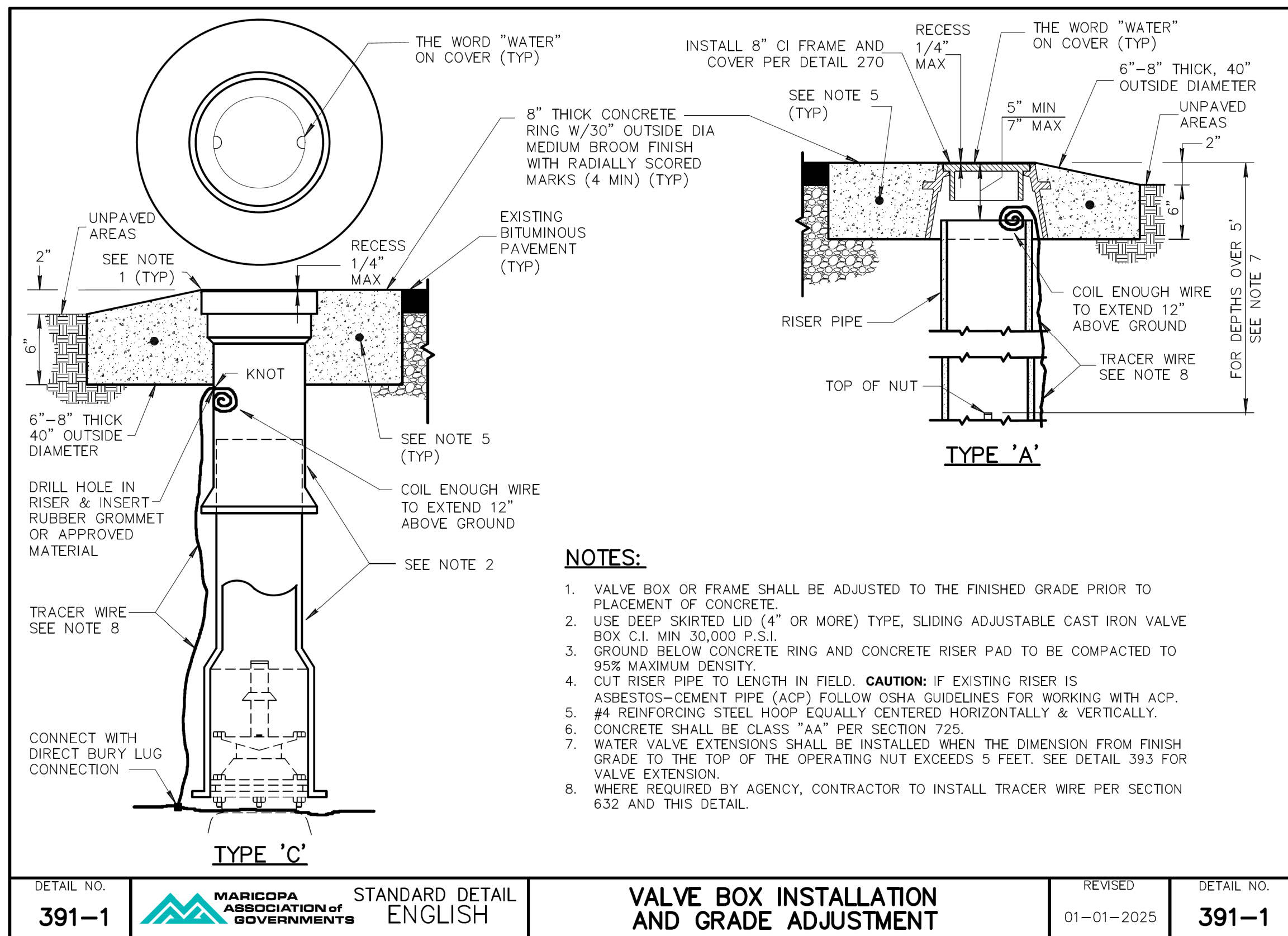
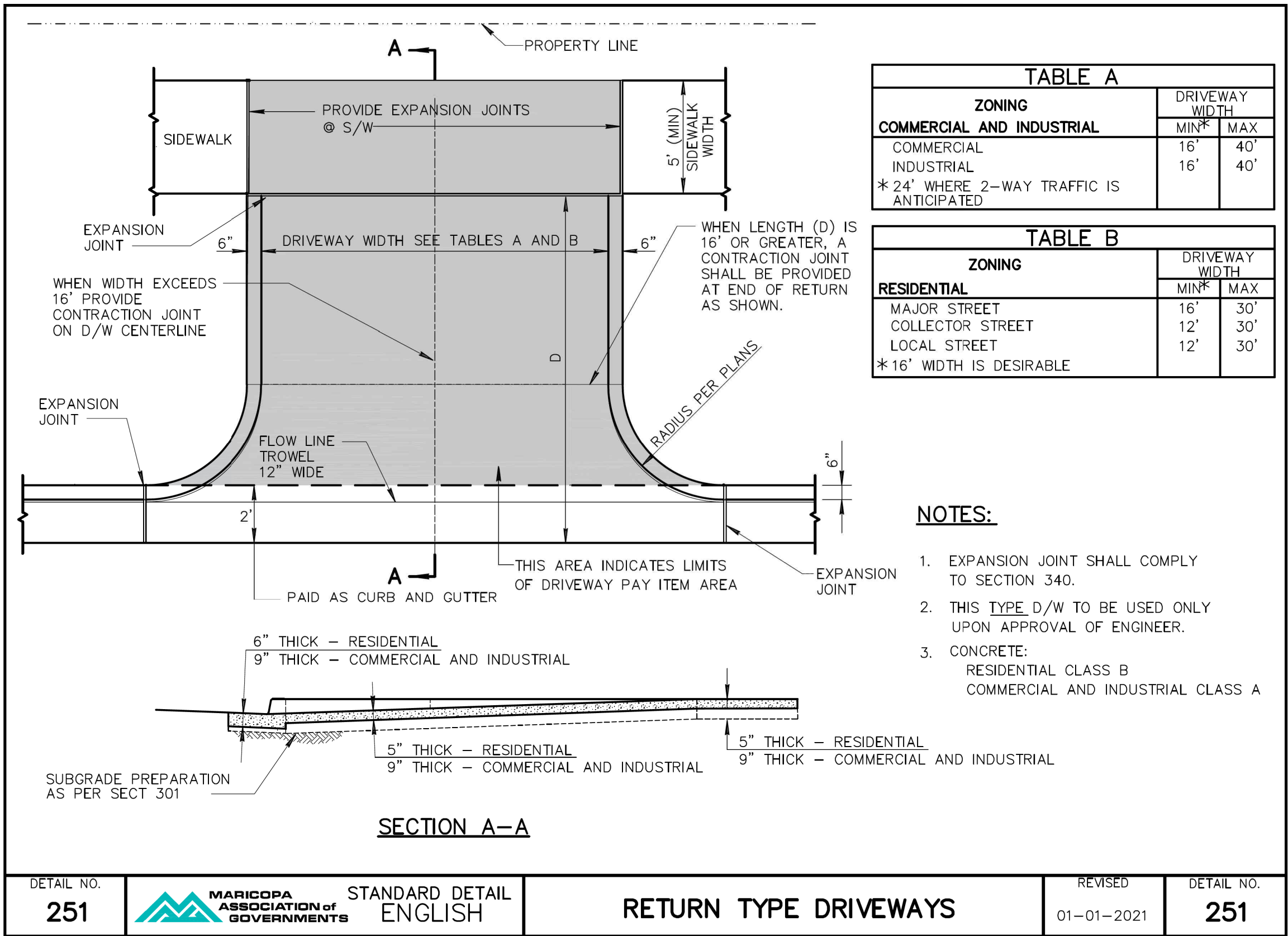
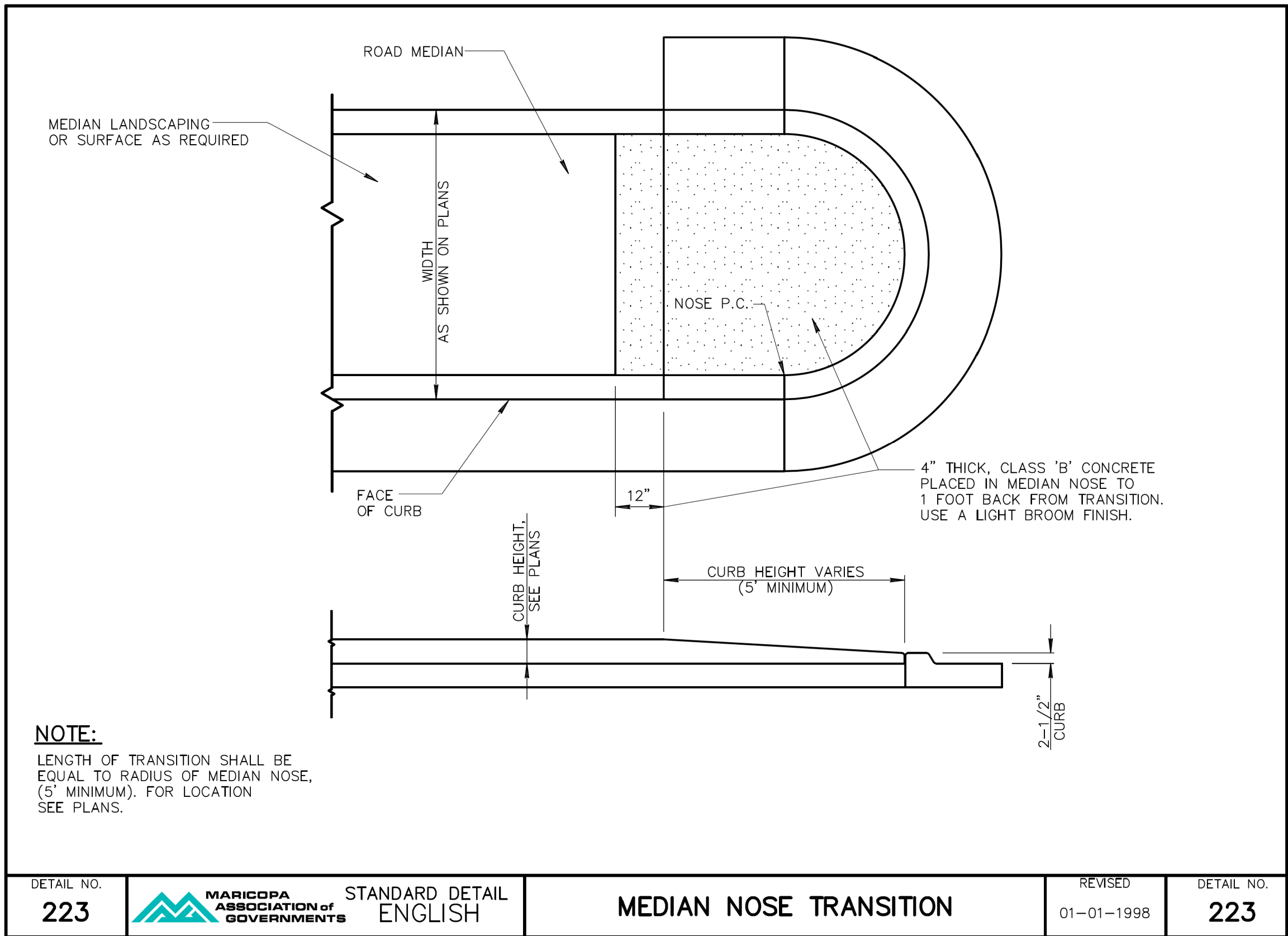


ARIZONA DEPARTMENT OF TRANSPORTATION
PROJECT DELIVERY AND OPERATIONS DIVISION
ROADWAY DESIGN SECTION

TYPICAL SECTIONS & PAVEMENT SECTIONS

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
MILEPOST		ARIZ.	0000 PN CG	CSG-0(214)T	4	72	
STRUCTURE NO.	LOCATION						SHEET
	THORNTON ROAD; SR84 - PETERS RD						G-03.02
	TRACS NO. T0530 01C					___ OF ___	



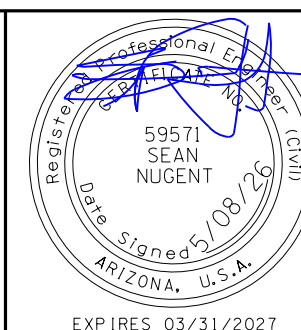


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CHECKED	SBN	DATE	05/26

Horrocks.

ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SECTION	ROUTE	F.H.W.A. Arizona Division	STATE	ARIZ.	PROJECT NO.	0000 PN CG	FEDERAL ID NO.	CSG-0(214)T	SHEET NO.	6	TOTAL SHEETS	72	RECORD DRAWING
MAG STANDARD DETAILS	LOCATION	THORNTON ROAD; SR84 - PETERS RD										SHEET	G-04.02
	TRACS NO.	T0530 01C											OF

1. ANY CONSTRUCTED SPILLWAYS OBSERVED TO NOT CONFORM TO THIS DETAIL SHALL BE RECONSTRUCTED AT THE CONTRACTOR'S EXPENSE.
2. CONTRACTOR SHALL IMPLEMENT STORM WATER BEST MANAGEMENT PRACTICES TO PREVENT EROSION DURING CONSTRUCTION AND SHALL TAKE IMMEDIATE CORRECTIVE MEASURES SHOULD EROSION BE OBSERVED.
3. ALL RIPRAP SPILLWAYS SHALL BE INSTALLED WITH A 6" DEPRESSED FLOW LINE RELATIVE TO ADJACENT FINISH GRADE.
4. 12" MIN SUBGRADE UNDER THE SPILLWAY SHALL BE COMPACTED TO 95%
6. RIPRAP CONSTRUCTION SHALL CONFORM TO MAG SPEC SECTION 220 & 703



	NAME	DATE
DESIGN	SBN	05/26
DRAWN	BLJ	05/26
CHECKED	SBN	05/26



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

DETAILS

	ROUTE
	MILEPOST

STRUCTURE NO.

F.H.W.A. Arizona Division

STATE
ARIZ.

PROJECT NO.
0000 PN CG

FEDERAL ID NO.
CSG-0(214)T

SHEET NO.	TO SH
7	

TOTAL SHEETS	RE
72	

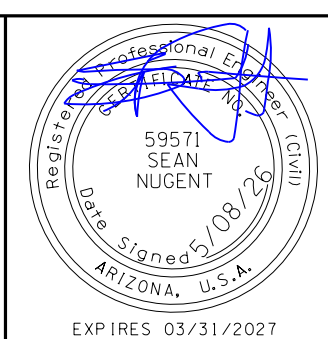
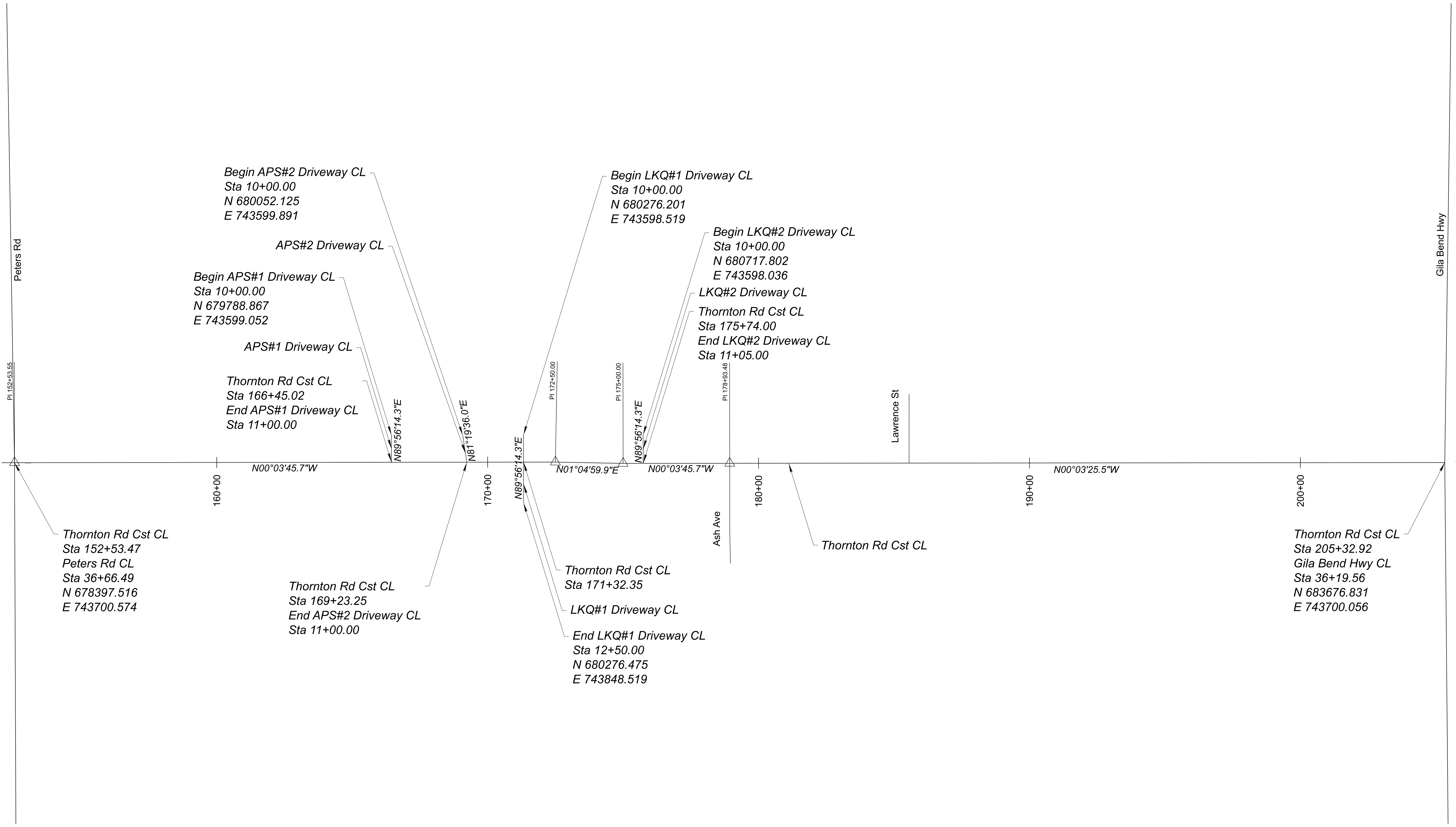
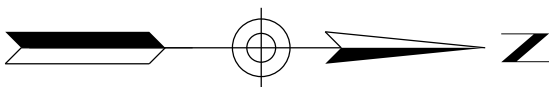
RECORD DRAWING

LOCATION	THORNTON ROAD; SR84 - PETERS RD
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TRACS NO. T0530 01C

SHEET G-04.03

OF _____



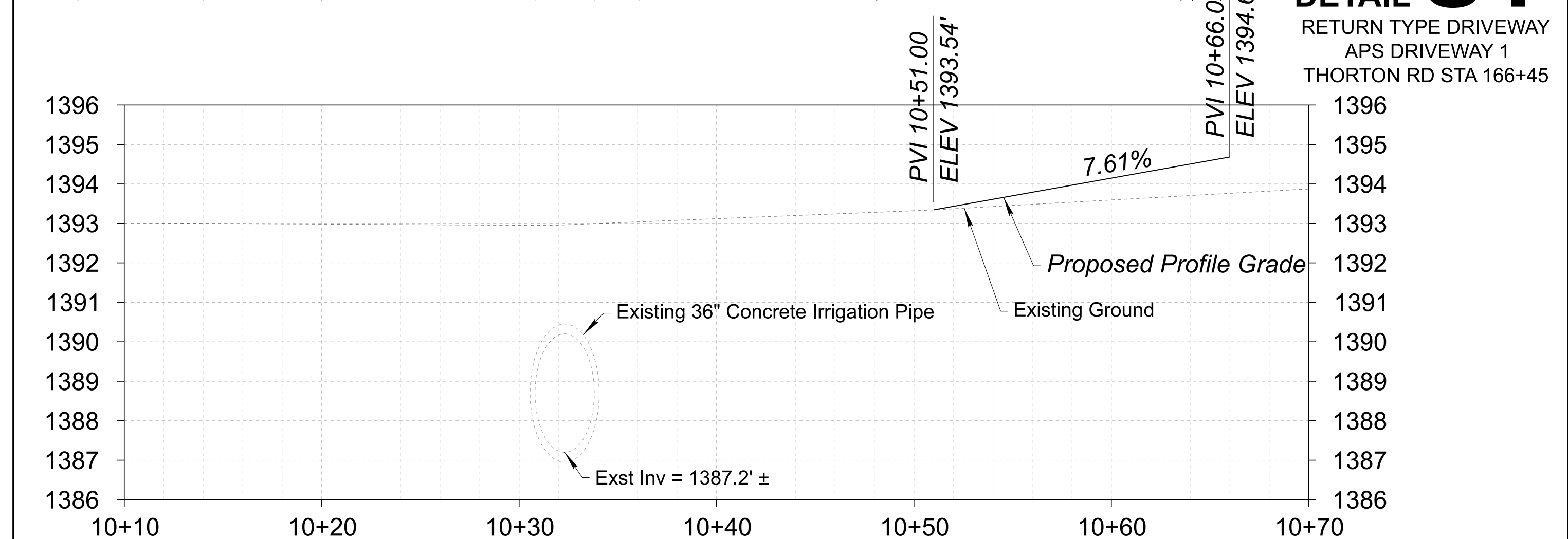
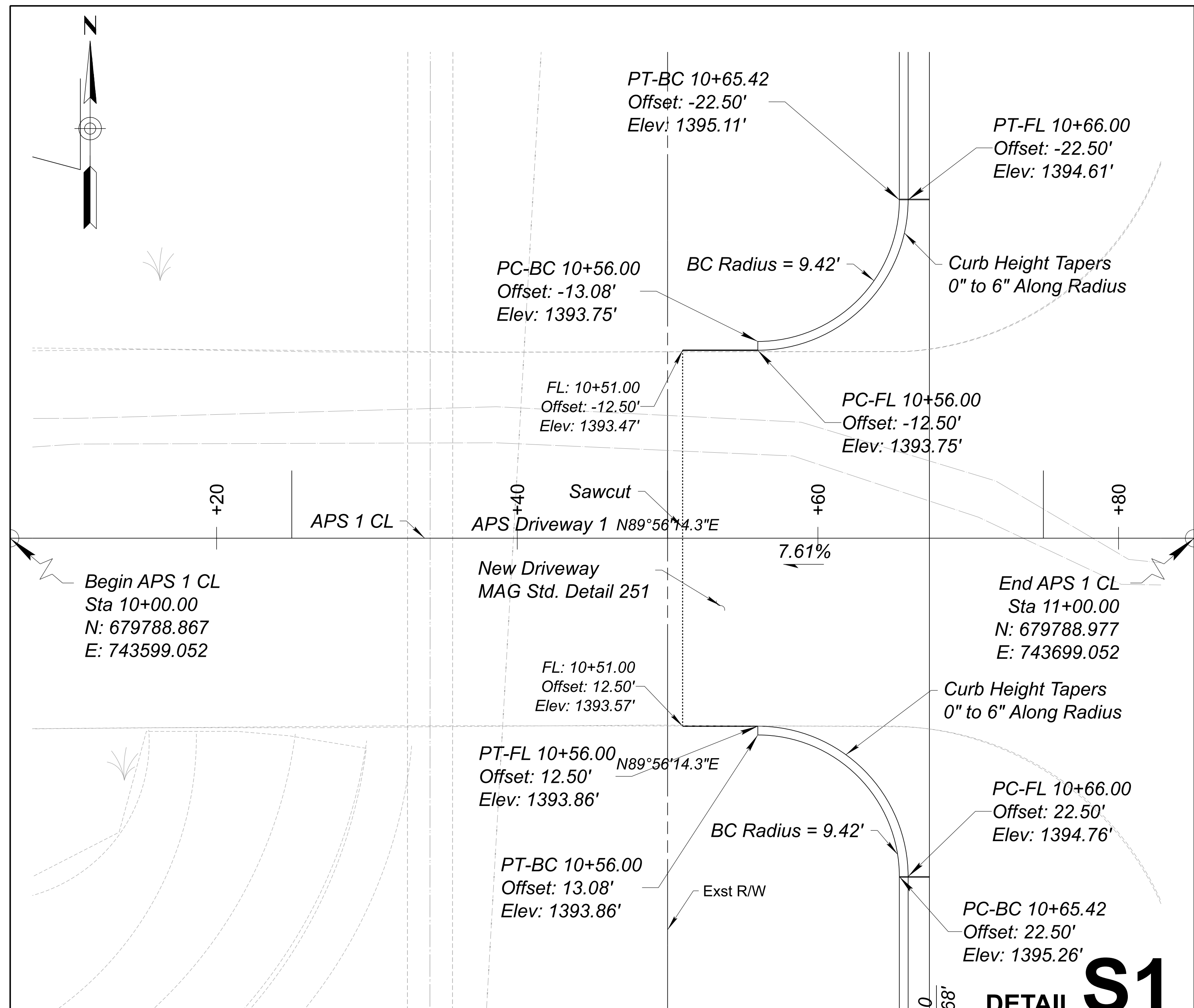
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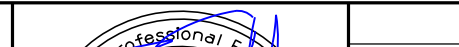
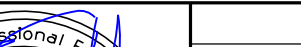
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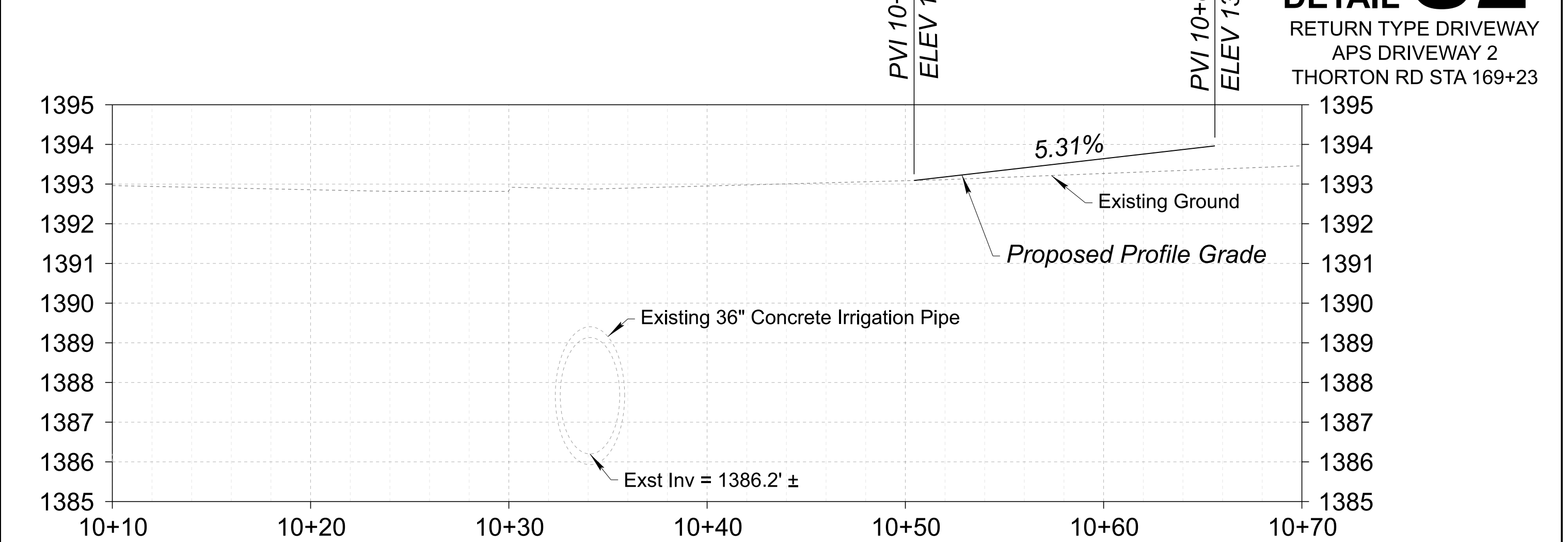
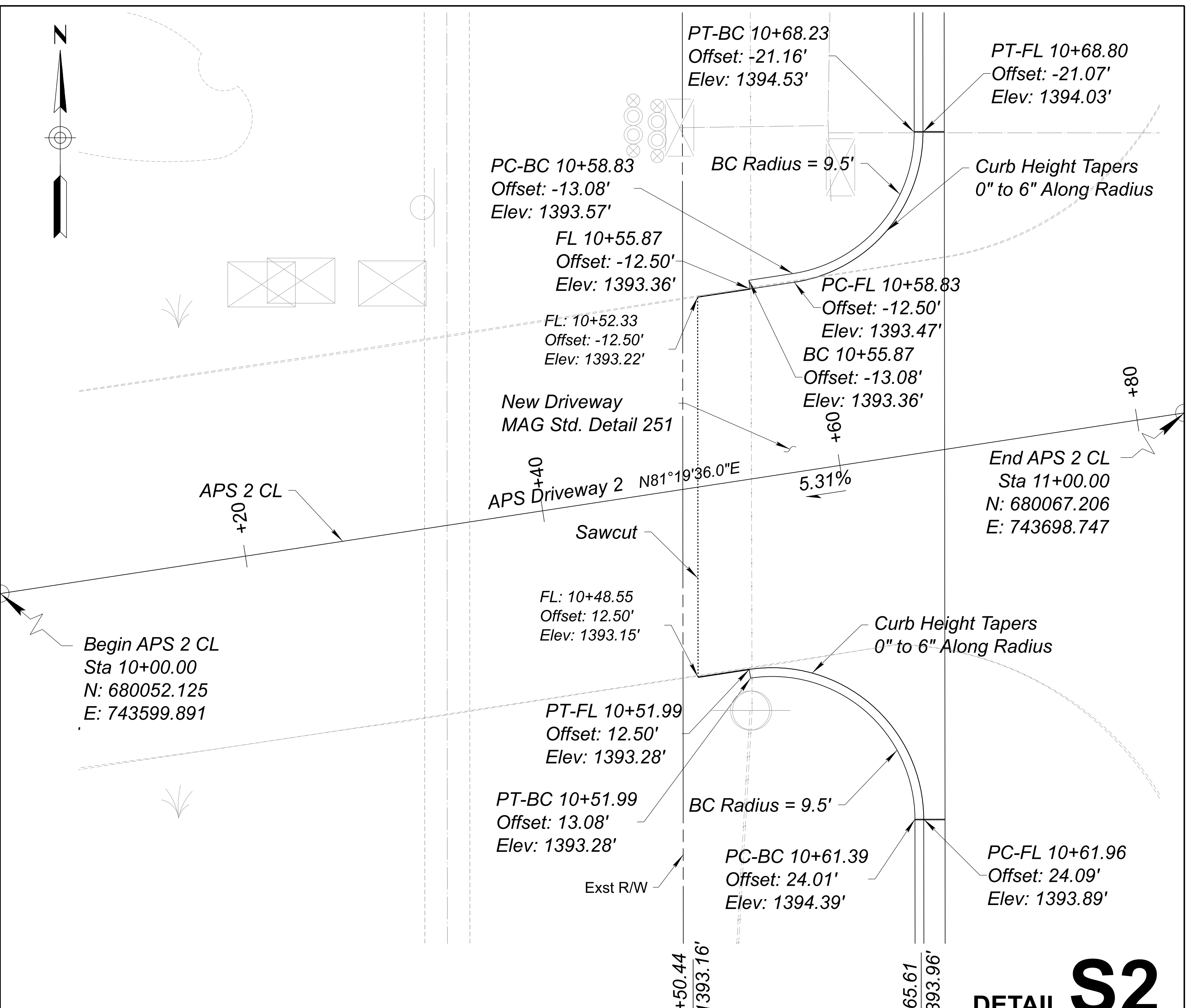
ARIZONA DEPARTMENT OF TRANSPORTATION
PROJECT DELIVERY AND OPERATIONS DIVISION
ROADWAY DESIGN SECTION

GEOMETRY LAYOUT

ROUTE	F.H.W.A. Arizona Division	STATE	ARIZ.	PROJECT NO.	0000 PN CG	FEDERAL ID NO.	CSG-0(214)T	SHEET NO.	8	TOTAL SHEETS	72	RECORD DRAWING
MILEPOST	THORNTON ROAD; SR84 - PETERS RD										SHEET C-01.01	
STRUCTURE NO.	TRACS NO. T0530 01C										____ OF ____	

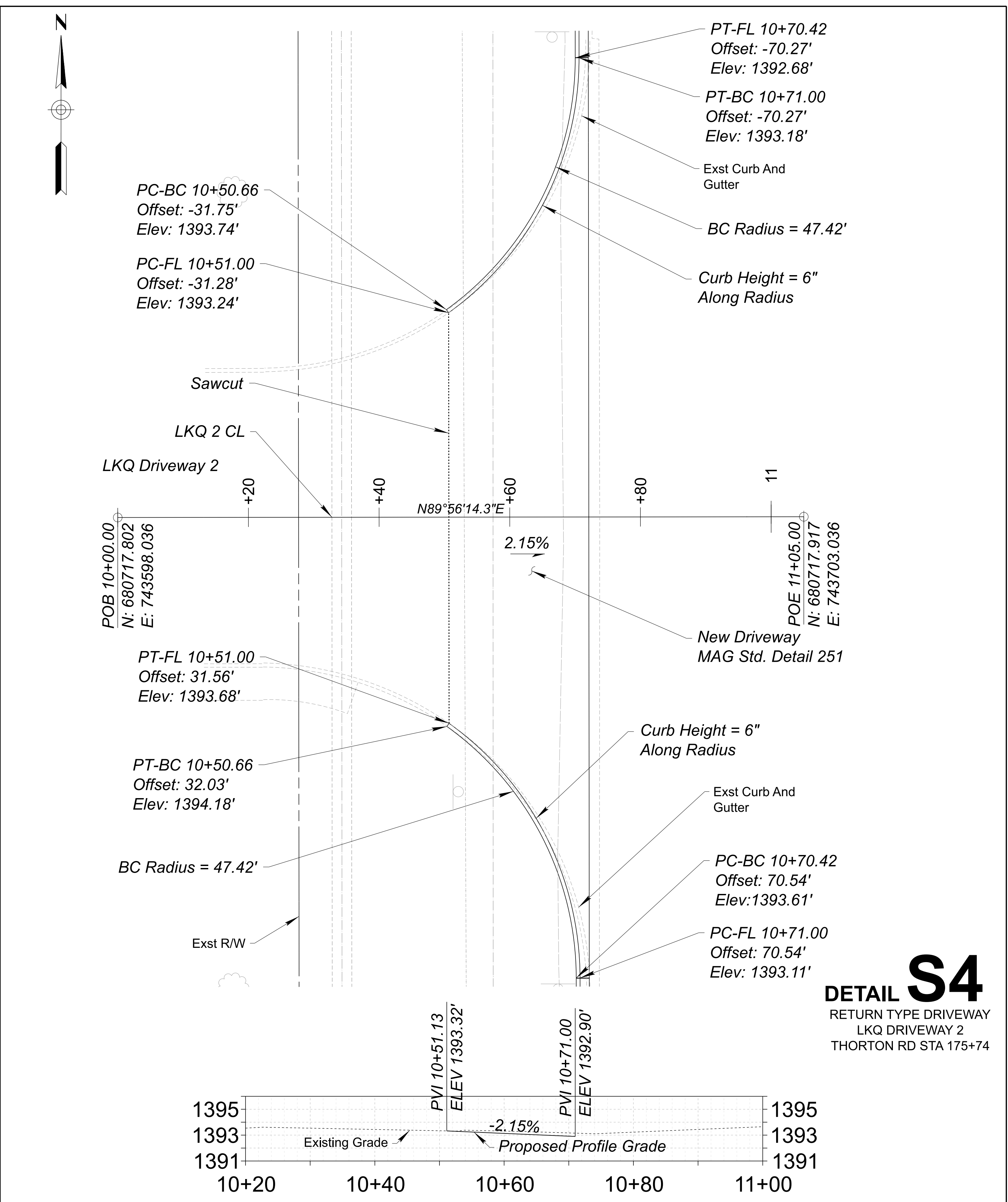
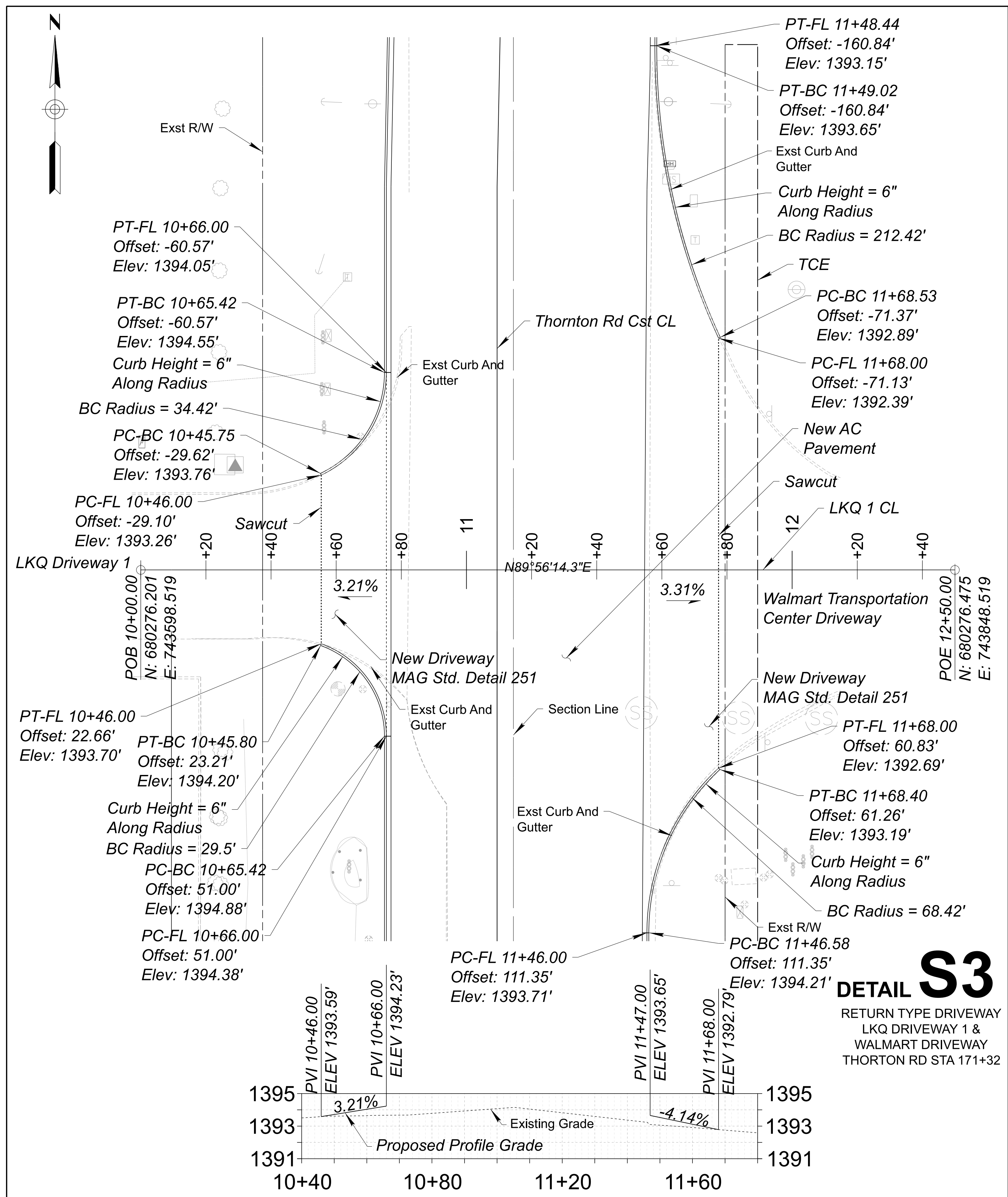


					
DESIGN	SBN	NAME	DATE	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SECTION	
DRAWN	BLJ		05/26		
CHECKED	SBN		05/26		
			DRIVEWAY STAKING DETAIL		

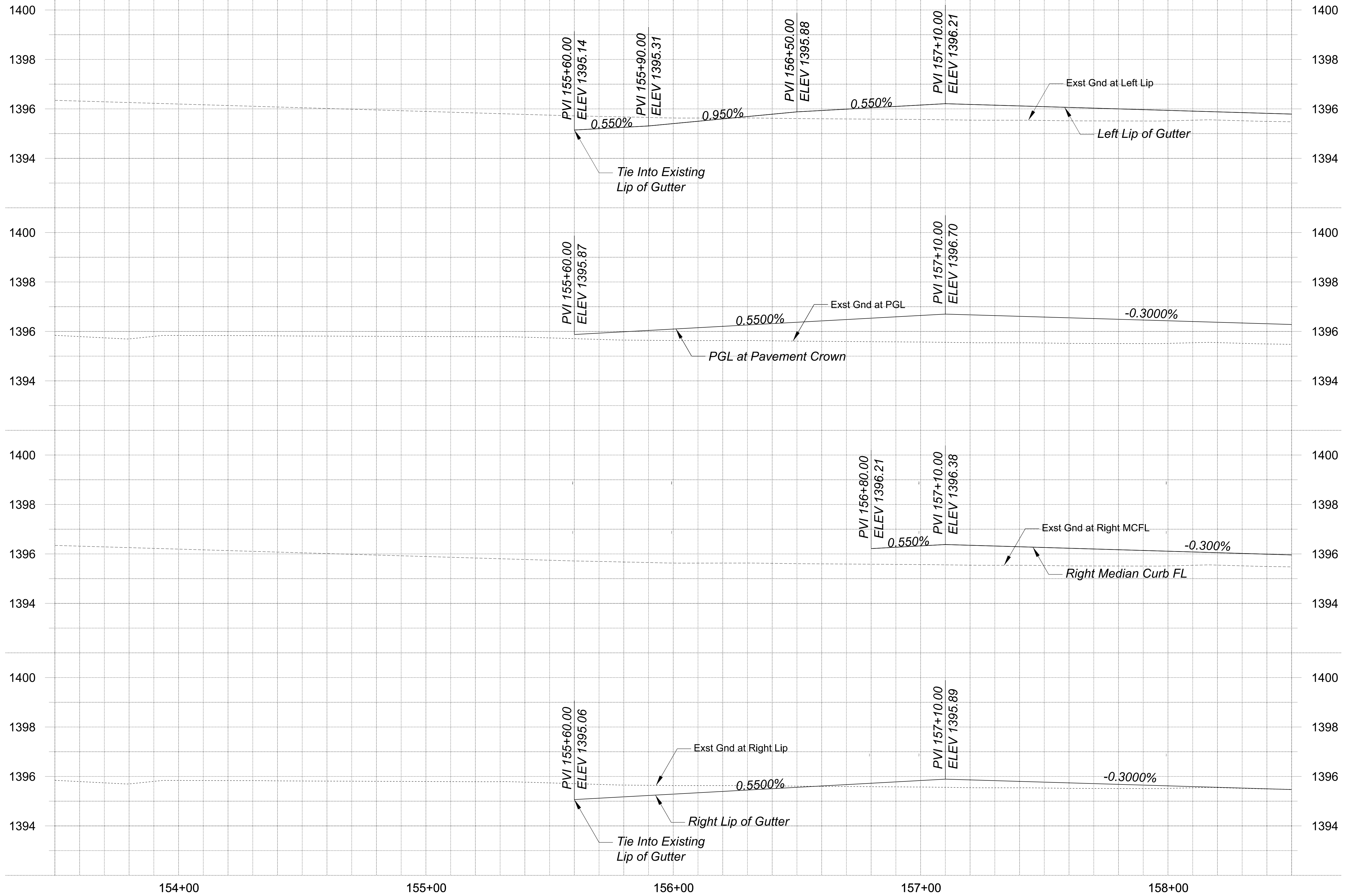


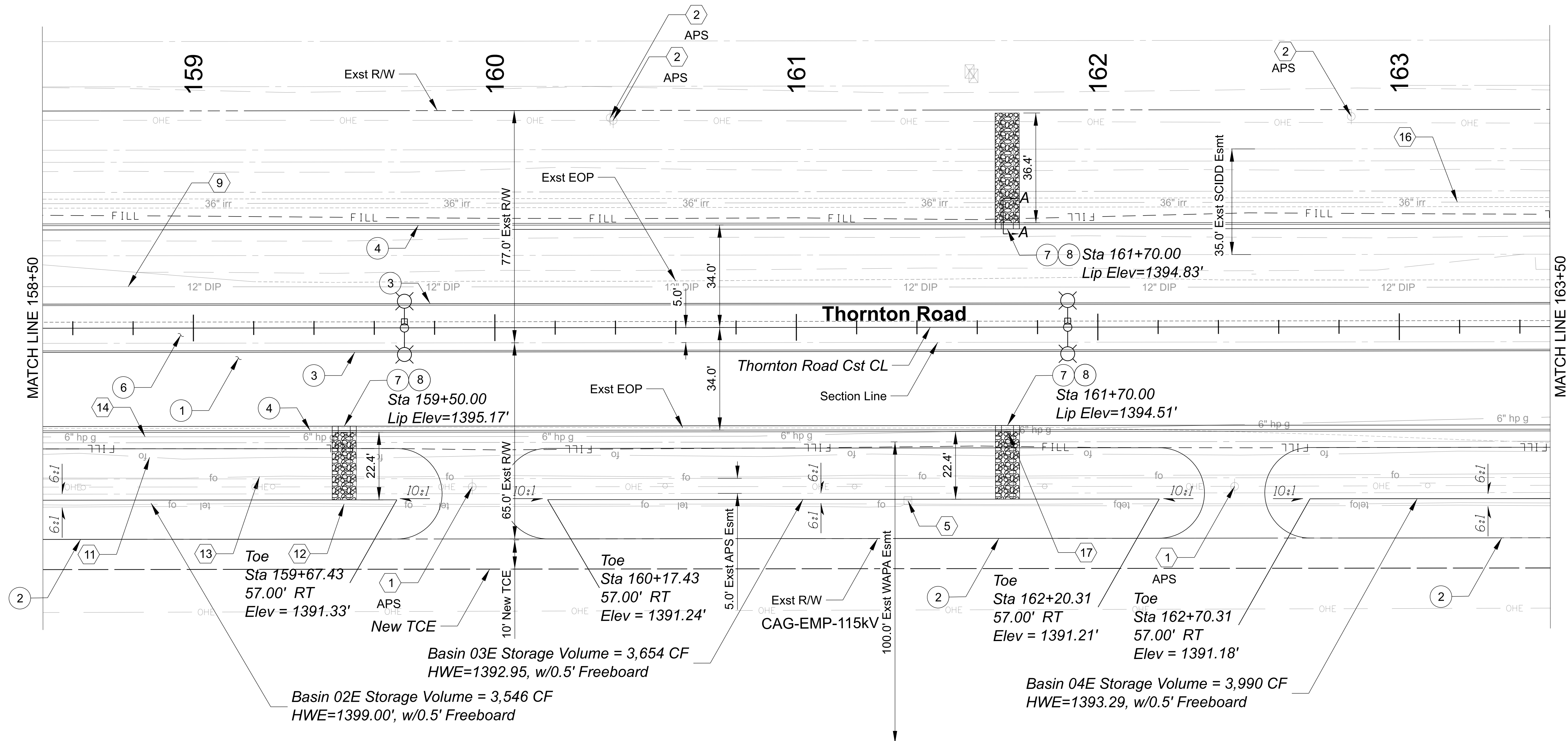
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				ARIZ.	0000 PN CG	CSG-0(214)T	10	72	
	MILEPOST	LOCATION THORNTON ROAD; SR84 - PETERS RD							SHEET C-02.01
	DRIVEWAY STAKING DETAIL	STRUCTURE NO.	TRACS NO. T0530 01C				___ OF ___		

ROUTE		STATE		PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING	
F.H.W.A. Arizona Division		ARIZ.		0000 PN CG	CSG-0(214)T	10	72		
LOCATION		THORNTON ROAD; SR84 - PETERS RD						SHEET C-02.01	
TRACS NO.		T0530 01C						OF	



59571 SEAN NUJENT REGISTERED PROFESSIONAL ENGINEER EXPIRES 03/31/2027 DESIGN DRAWN CHECKED NAME SBN SBN DATE 05/26 05/26 05/26	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SECTION	ROUTE MILEPOST STRUCTURE NO.	F.H.W.A. Arizona Division ARIZ.	STATE ARIZ.	PROJECT NO. 0000 PN CG	FEDERAL ID NO. CSG-0(214)T	SHEET NO. 11	TOTAL SHEETS 72	RECORD DRAWING
DRIVEWAY STAKING DETAIL	THORNTON ROAD; SR84 - PETERS RD	LOCATION THORNTON ROAD; SR84 - PETERS RD	TRACS NO. T0530 01C	SHEET C-02.02	OF				



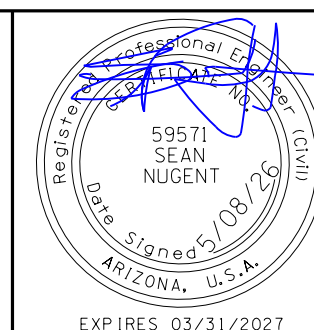
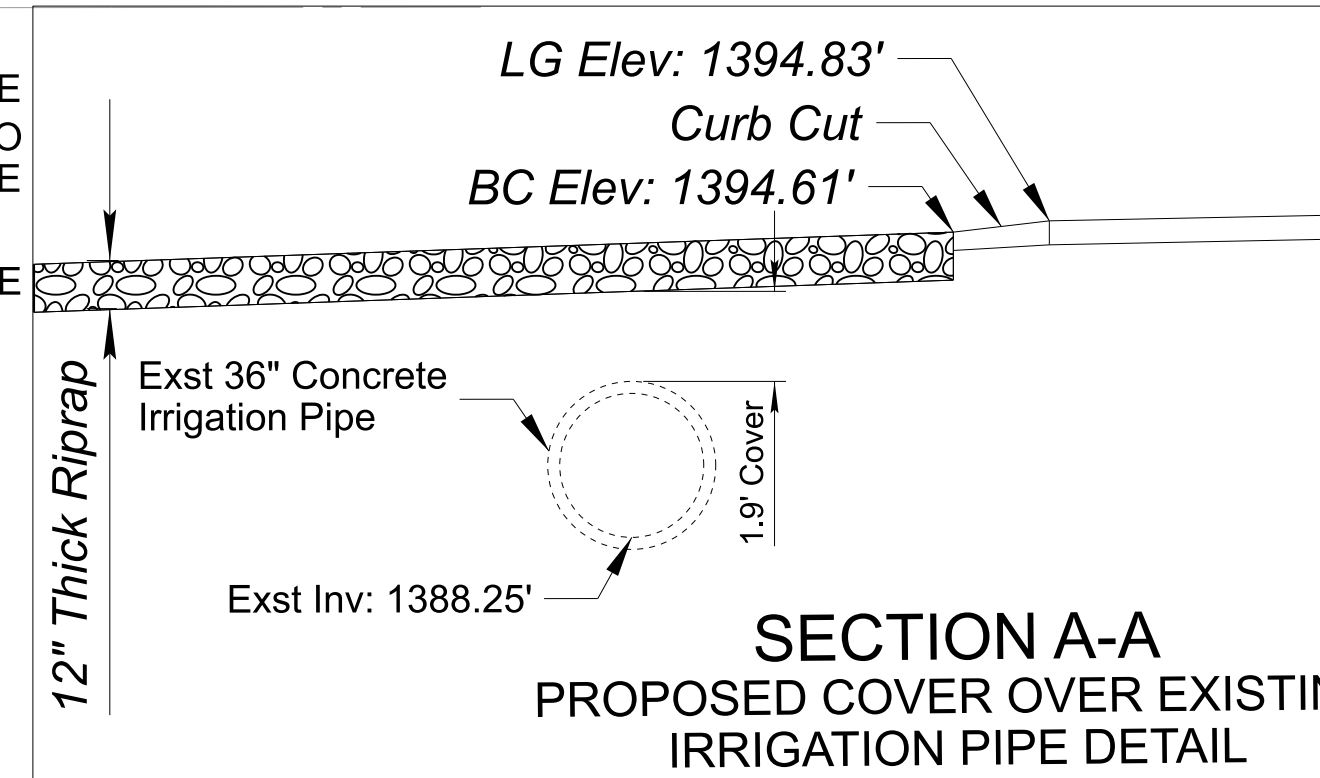


- 1 PAVEMENT STRUCTURAL SECTION 1
- 2 RETENTION BASIN EXCAVATION (INCIDENTAL TO ROADWAY EXCAVATION)
- 3 CONCRETE SINGLE CURB (MAG DET. 222)(TYPE A)(H=6")
- 4 CONCRETE VERTICAL CURB & GUTTER (MAG STD DTL 220-1, TYPE A)

- 6 INSTALL DECOMPOSED GRANITE 2" IN RAISED MEDIAN
- 7 CONCRETE CURB OPENING (DETAIL D2) INCIDENTAL TO C&G COST
- 8 INSTALL EMBANKMENT SPILLWAY(8' WIDE) D50=6" DEPTH=12" (DETAIL D1)

- 1 PROTECT IN PLACE APS OH POWER POLE
- 2 PROTECT IN PLACE OH POWER POLE
- 5 RELOCATE PEDESTAL BY OTHERS
- 9 PROTECT IN PLACE WATER MAIN

- 11 PROTECT IN PLACE ALLUVION FO MAINTAIN 1' MIN OF VERT CLEARANCE
- 12 PROTECT IN PLACE CENTURY LINK FO MAINTAIN 1' MIN OF VERT CLEARANCE
- 13 PROTECT IN PLACE COX FO MAINTAIN 1' MIN OF VERT CLEARANCE
- 14 PROTECT IN PLACE GAS MAIN
- 16 PROTECT IN PLACE 36" IRR MAIN
- 17 SWG CATHODIC PROTECTION TEST POINT TO BE REMOVED BY OTHERS



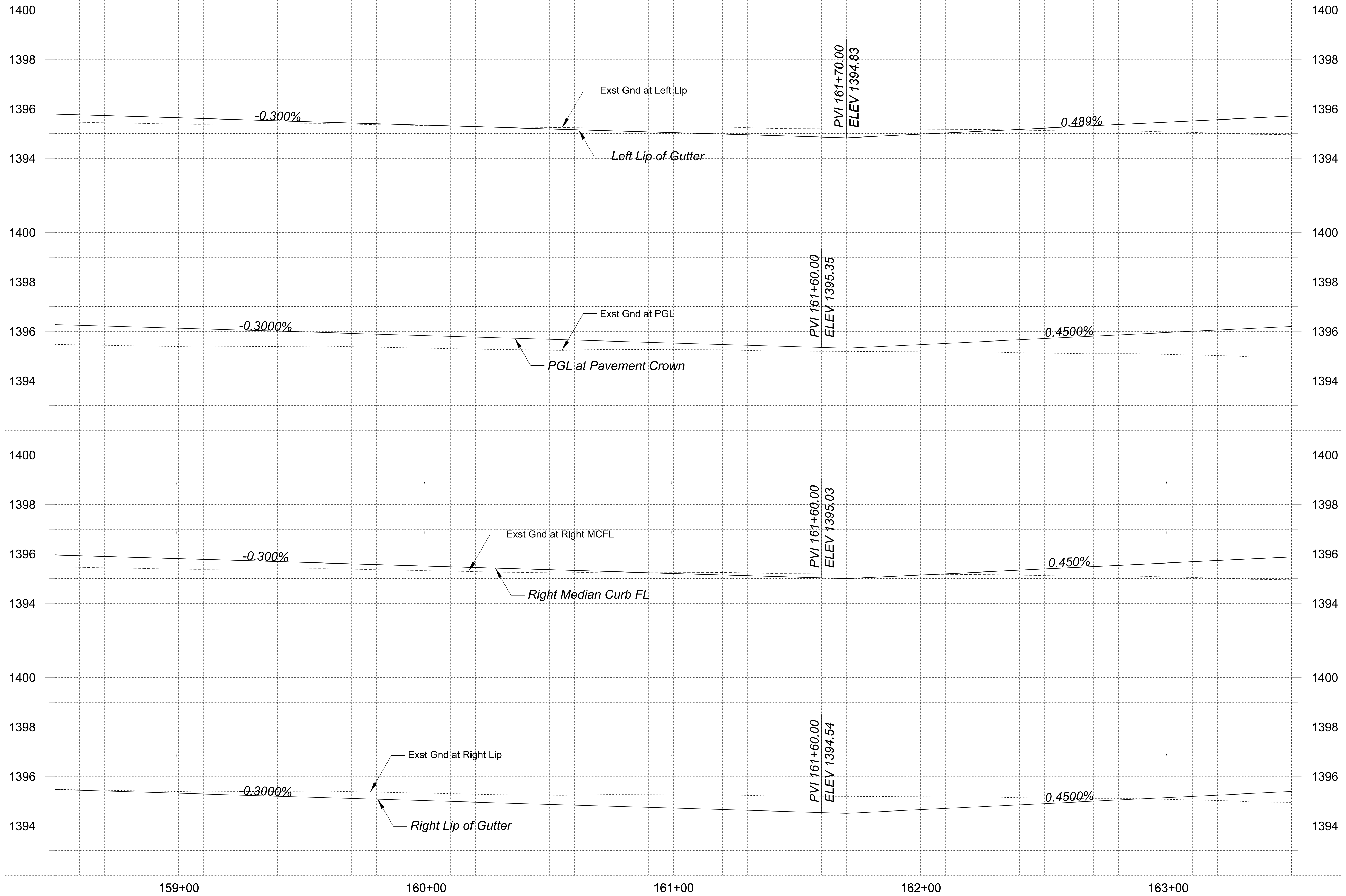
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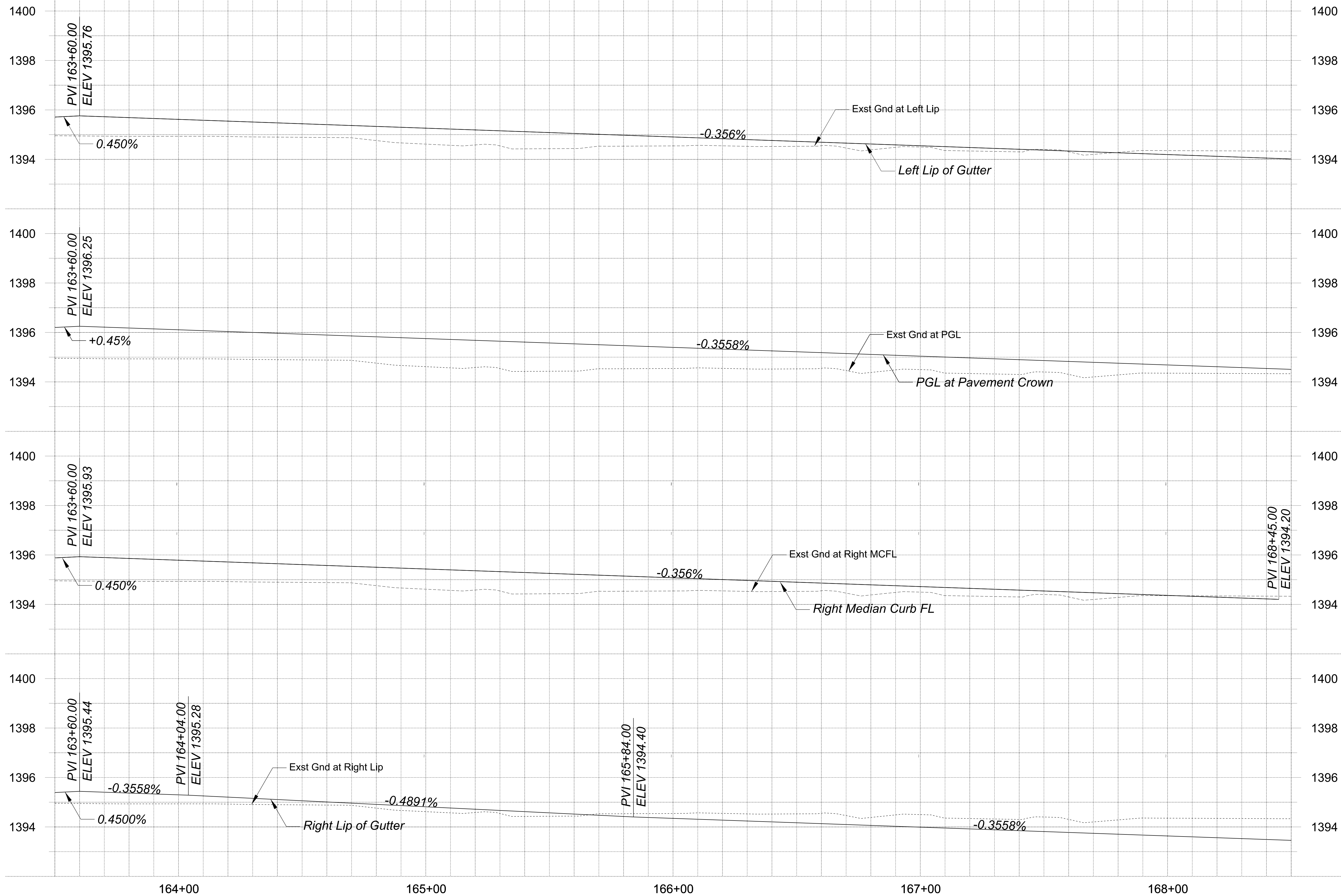
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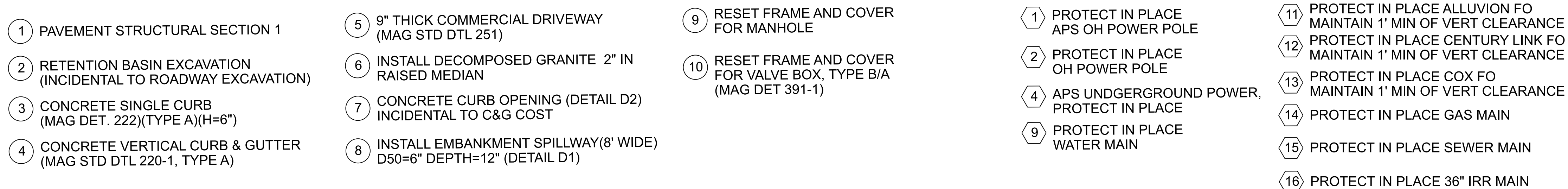
ARIZONA DEPARTMENT OF TRANSPORTATION
PROJECT DELIVERY AND OPERATIONS DIVISION
ROADWAY DESIGN SECTION

ROADWAY PLAN
THORNTON ROAD
STA 158+50 TO 163+50

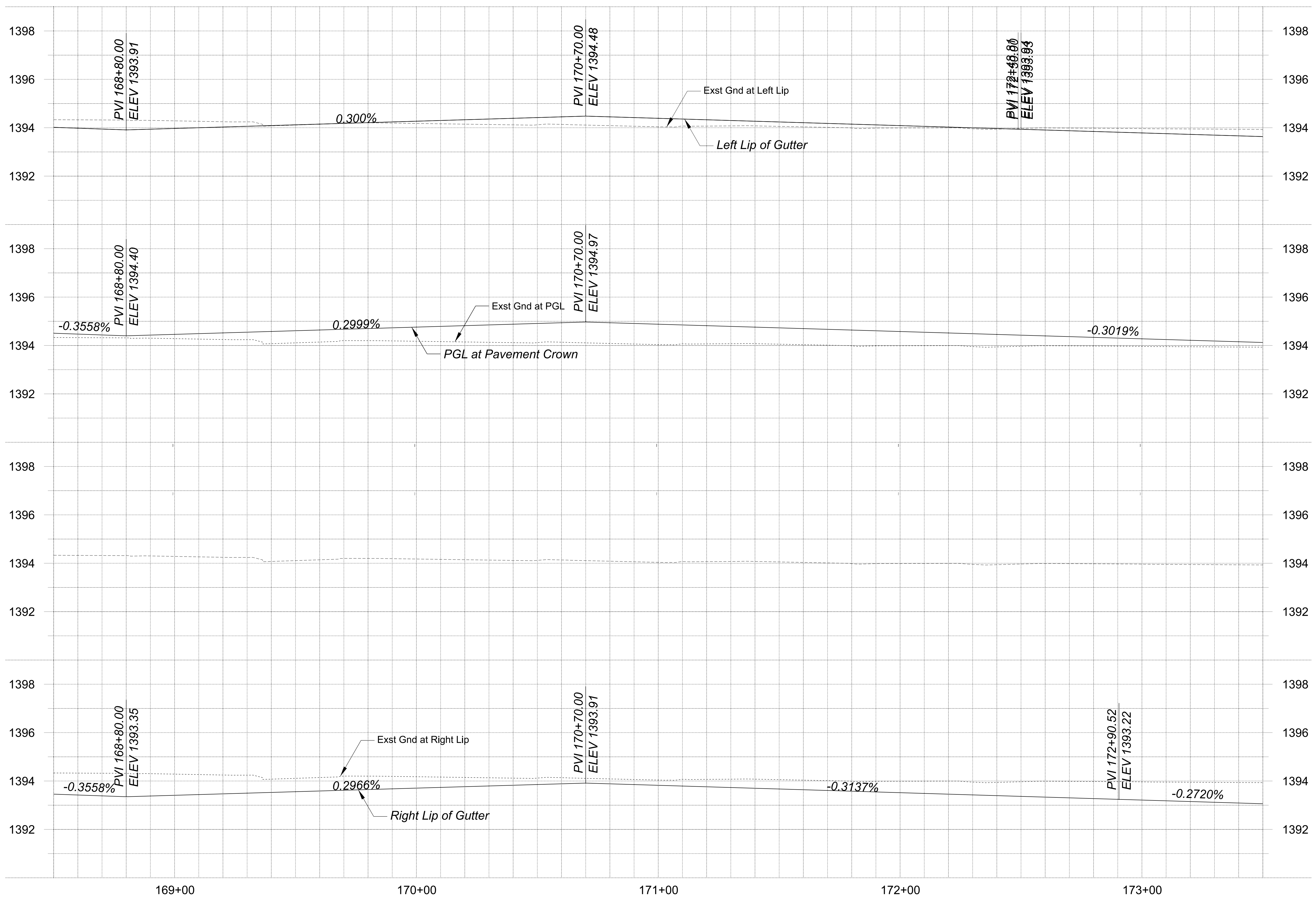
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LOCATION	THORNTON ROAD; SR84 - PETERS RD					SHEET C-03.03
STRUCTURE NO.	TRACS NO. T0530 01C					OF

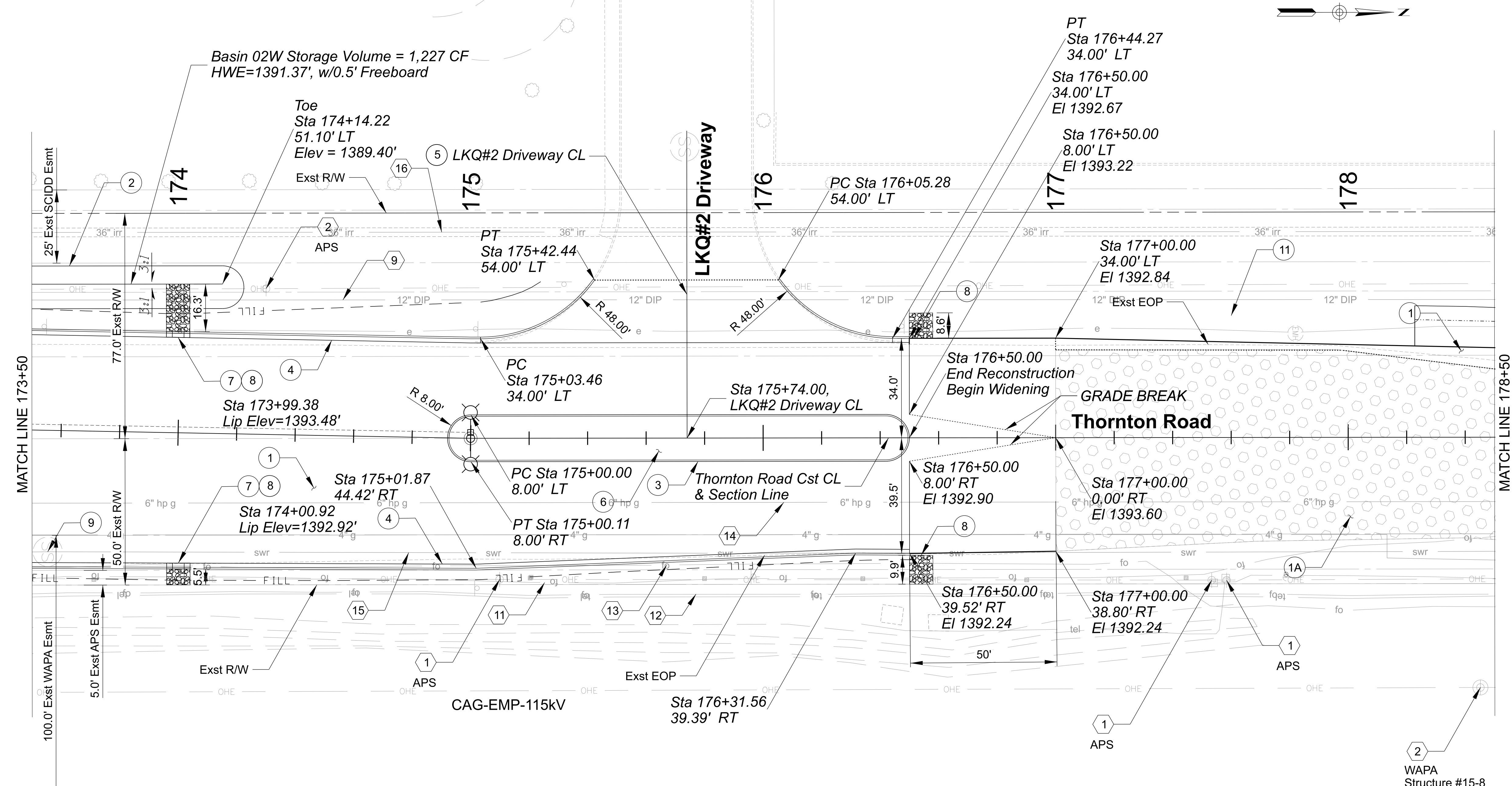




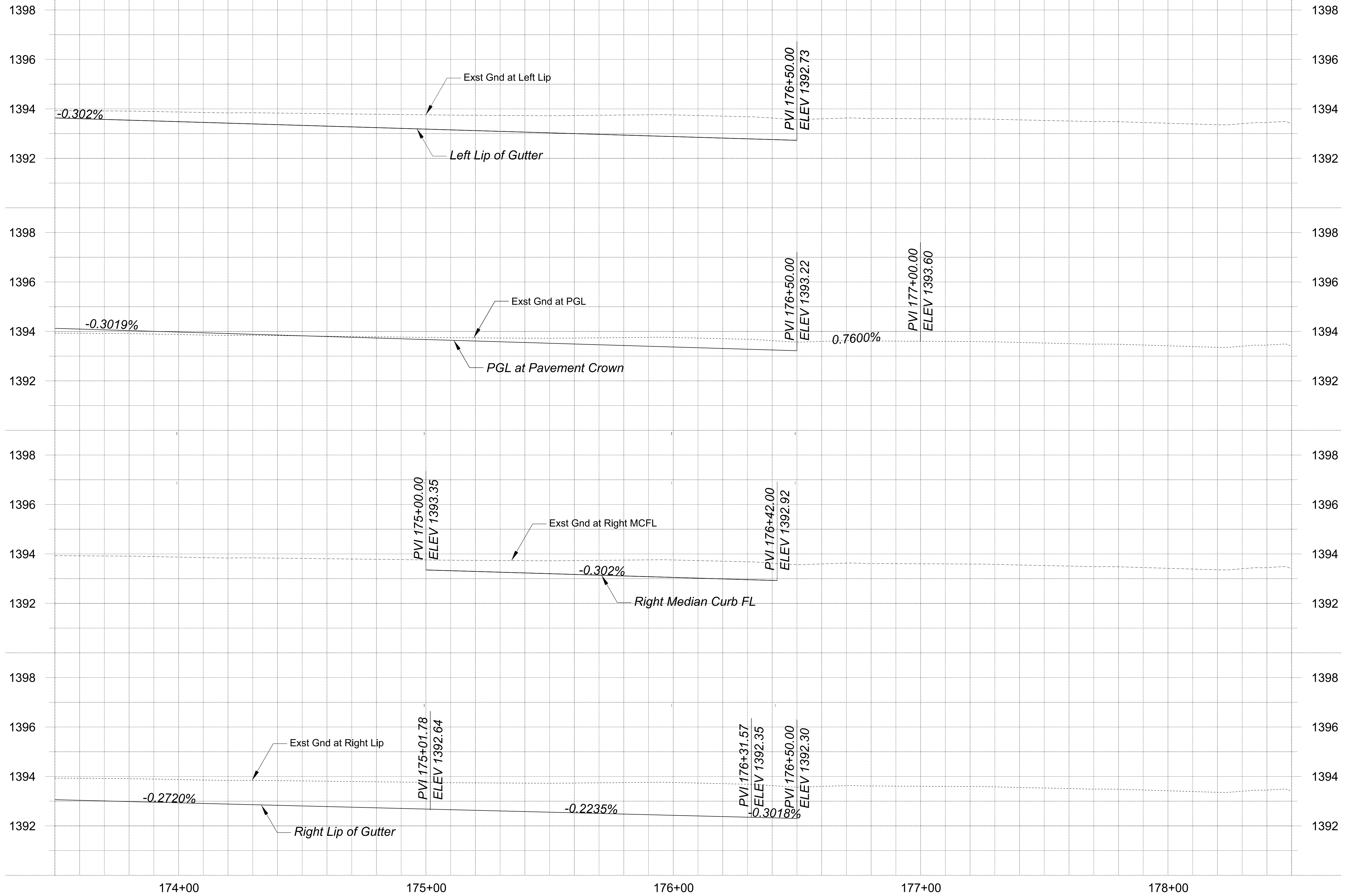


	NAME		DATE	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SECTION	ROUTE	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING	
	DESIGN	SBN	05/26		MILEPOST			0000 PN CG	CSG-0(214)T	18	72		
	DRAWN	BLJ	05/26			ROADWAY PLAN THORNTON ROAD STA 168+50 TO 173+50	STRUCTURE NO.	LOCATION THORNTON ROAD; SR84 - PETERS RD					SHEET C-03.07
	CHECKED	SBN	05/26				TRACS NO. T0530 01C	OF					

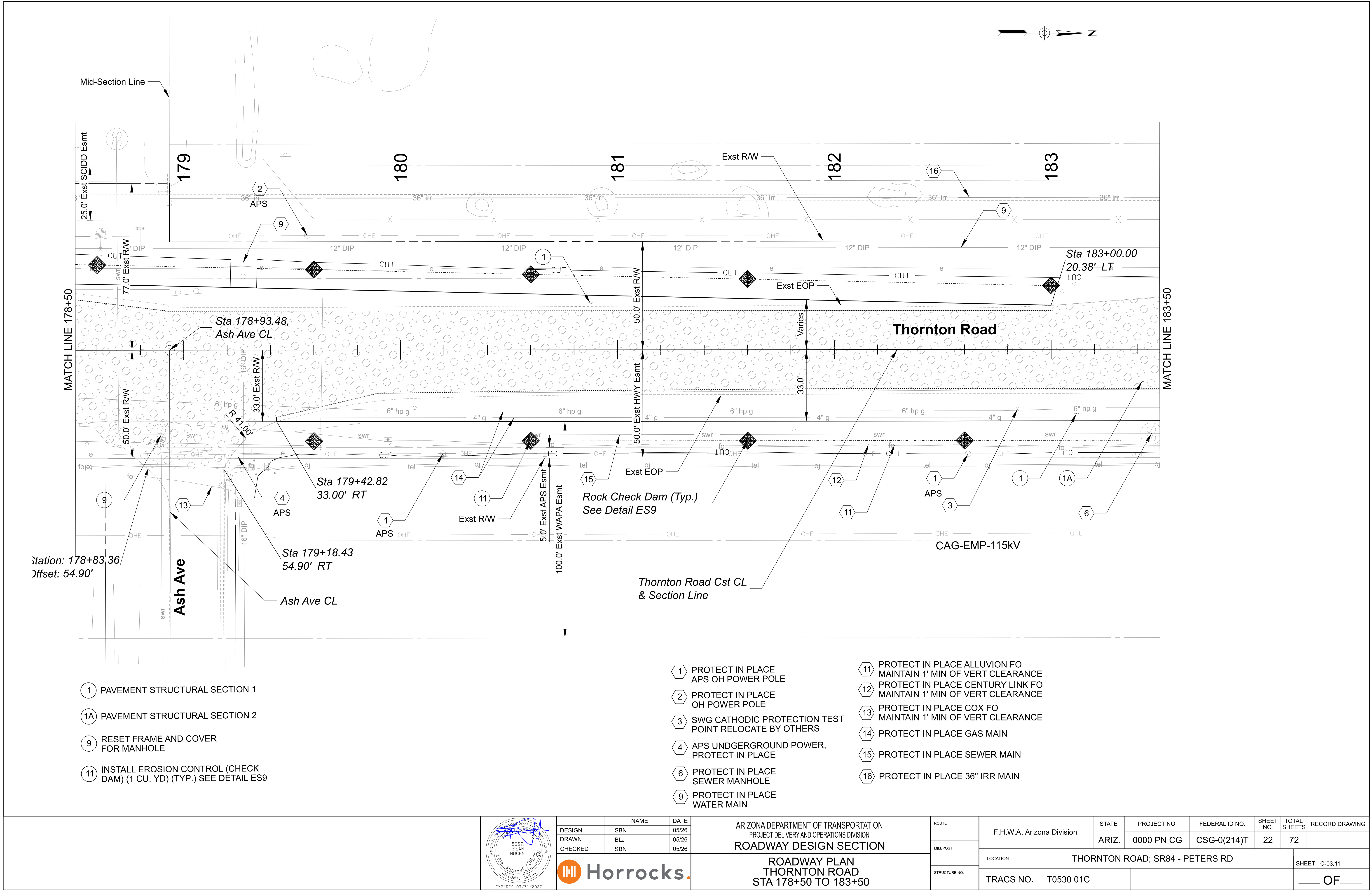


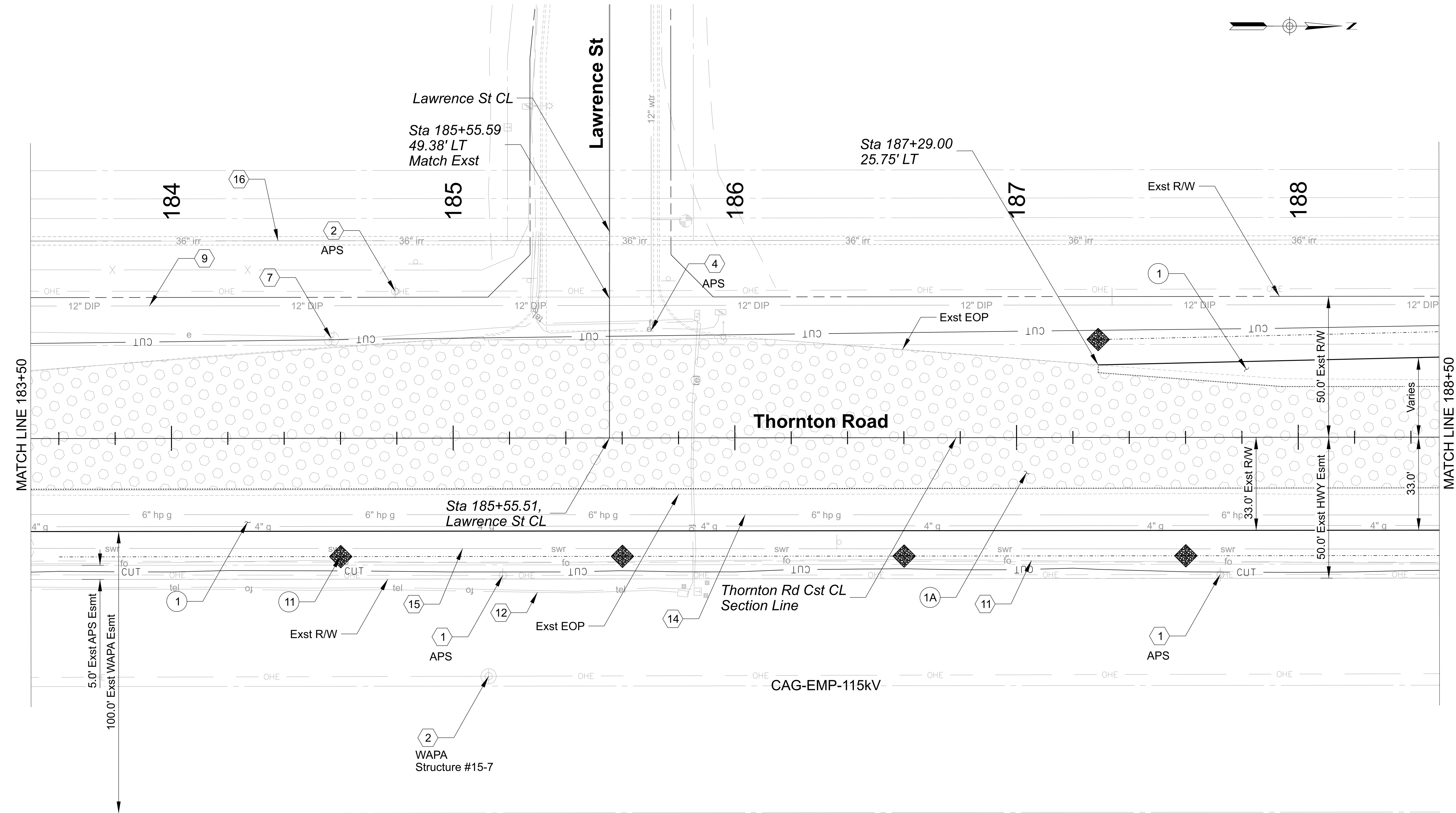


- | | | | |
|---|---|---|----------------------------------|
| 1 PAVEMENT STRUCTURAL SECTION 1 | 7 CONCRETE CURB OPENING (DETAIL D2) INCIDENTAL TO C&G COST | 1 PROTECT IN PLACE APS OH POWER POLE | 16 PROTECT IN PLACE 36" IRR MAIN |
| 1A PAVEMENT STRUCTURAL SECTION 2 | 8 INSTALL EMBANKMENT SPILLWAY(8' WIDE) D50=6" DEPTH=12" (DETAIL D1) | 2 PROTECT IN PLACE OH POWER POLE | |
| 2 RETENTION BASIN EXCAVATION (INCIDENTAL TO ROADWAY EXCAVATION) | 9 RESET FRAME AND COVER FOR MANHOLE | 9 PROTECT IN PLACE WATER MAIN | |
| 3 CONCRETE SINGLE CURB (MAG DET. 222)(TYPE A)(H=6") | 11 INSTALL EROSION CONTROL (CHECK DAM) (1 CU. YD) (TYP.) SEE DETAIL ES9 | 11 PROTECT IN PLACE ALLUVION FO MAINTAIN 1' MIN OF VERT CLEARANCE | |
| 4 CONCRETE VERTICAL CURB & GUTTER (MAG STD DTL 220-1, TYPE A) | | 12 PROTECT IN PLACE CENTURY LINK FO MAINTAIN 1' MIN OF VERT CLEARANCE | |
| 5 9" THICK COMMERCIAL DRIVEWAY (MAG STD DTL 251) | | 13 PROTECT IN PLACE COX FO MAINTAIN 1' MIN OF VERT CLEARANCE | |
| 6 INSTALL DECOMPOSED GRANITE 2" IN RAISED MEDIAN | | 14 PROTECT IN PLACE GAS MAIN | |
| | | 15 PROTECT IN PLACE SEWER MAIN | |



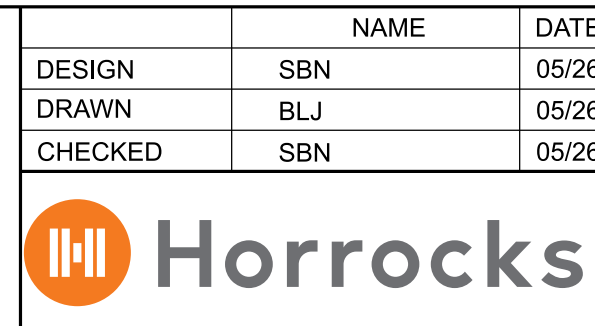
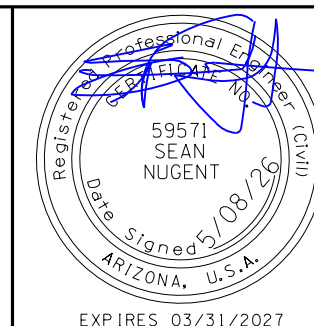
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	DRAWN	BLJ		05/26		MILEPOST		ARIZ.	0000 PN CG	CSG-0(214)T	21	72	
	CHECKED	SBN		05/26		STRUCTURE NO.		THORNTON ROAD; SR84 - PETERS RD					SHEET C-03.10
						TRACS NO. T0530 01C					____ OF ____		





- ① PAVEMENT STRUCTURAL SECTION 1
- ①A PAVEMENT STRUCTURAL SECTION 2
- ⑪ INSTALL EROSION CONTROL (CHECK DAM) (1 CU. YD) (TYP.) SEE DETAIL ES9

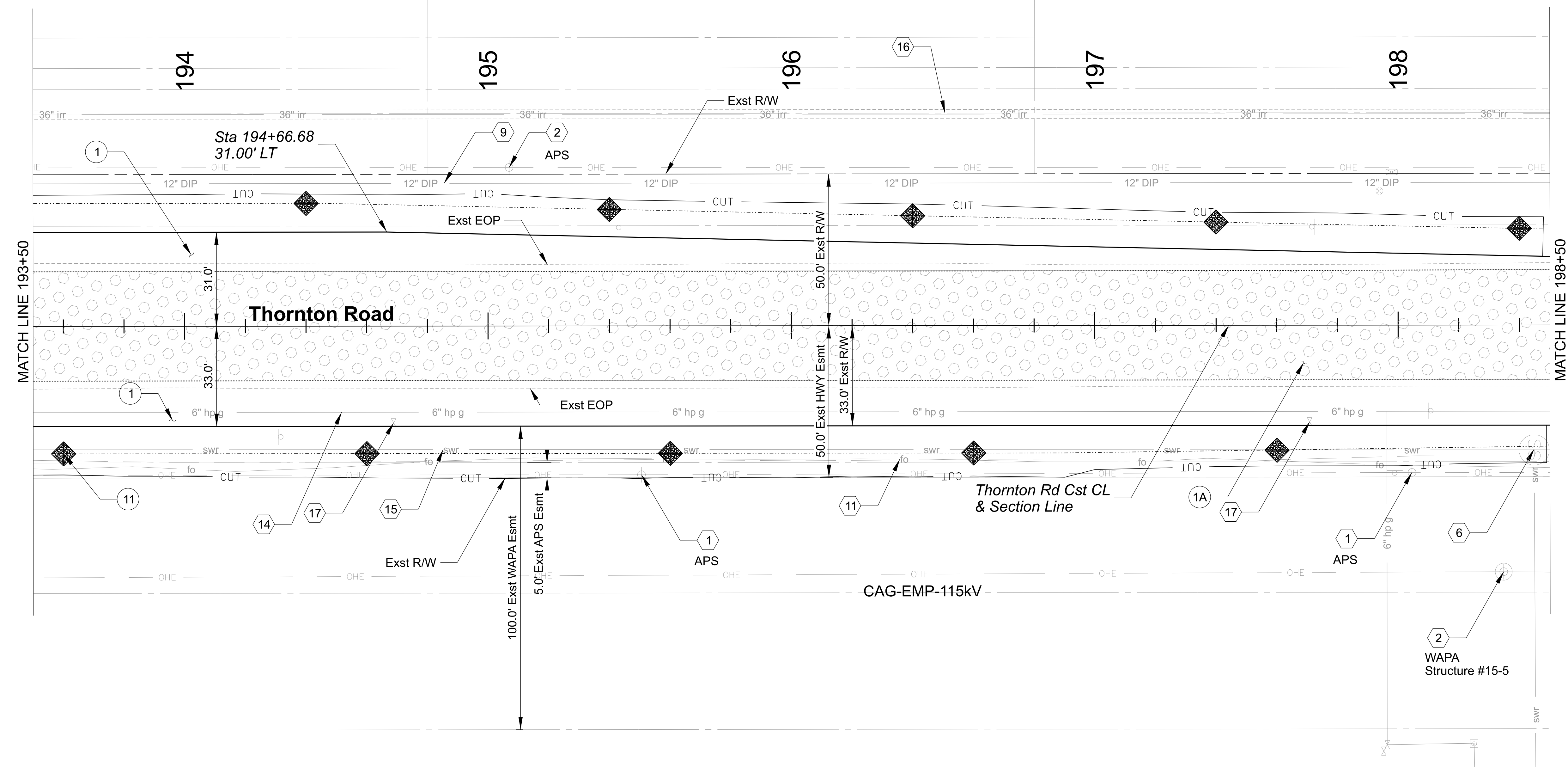
- ① PROTECT IN PLACE APS OH POWER POLE
- ② PROTECT IN PLACE OH POWER POLE
- ④ APS UNDERGROUND POWER, PROTECT IN PLACE
- ⑦ PROTECT IN PLACE ELECTRIC MANHOLE
- ⑨ PROTECT IN PLACE WATER MAIN
- ⑪ PROTECT IN PLACE ALLUVION FO MAINTAIN 1' MIN OF VERT CLEARANCE
- ⑫ PROTECT IN PLACE CENTURY LINK FO MAINTAIN 1' MIN OF VERT CLEARANCE
- ⑭ PROTECT IN PLACE GAS MAIN
- ⑮ PROTECT IN PLACE SEWER MAIN
- ⑯ PROTECT IN PLACE 36\"/>



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

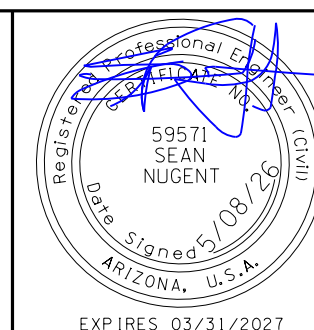
ROADWAY PLAN
THORNTON ROAD
STA 183+50 TO 188+50

ROUTE	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
F.H.W.A. Arizona Division	ARIZ.	0000 PN CG	CSG-0(214)T	23	72	
LOCATION	THORNTON ROAD; SR84 - PETERS RD					SHEET C-03.12
TRACS NO.	T0530 01C					OF



- ① PAVEMENT STRUCTURAL SECTION 1
- ①A PAVEMENT STRUCTURAL SECTION 2
- ⑪ INSTALL EROSION CONTROL (CHECK DAM) (1 CU. YD) (TYP.) SEE DETAIL ES9

- ① PROTECT IN PLACE APS OH POWER POLE
- ② PROTECT IN PLACE OH POWER POLE
- ⑥ PROTECT IN PLACE SEWER MANHOLE
- ⑨ PROTECT IN PLACE WATER MAIN
- ⑪ PROTECT IN PLACE ALLUVION FO MAINTAIN 1' MIN OF VERT CLEARANCE
- ⑭ PROTECT IN PLACE GAS MAIN
- ⑮ PROTECT IN PLACE SEWER MAIN
- ⑯ PROTECT IN PLACE 36" IRR MAIN
- ⑰ SWG CATHODIC PROTECTION TEST POINT TO BE REMOVED BY OTHERS



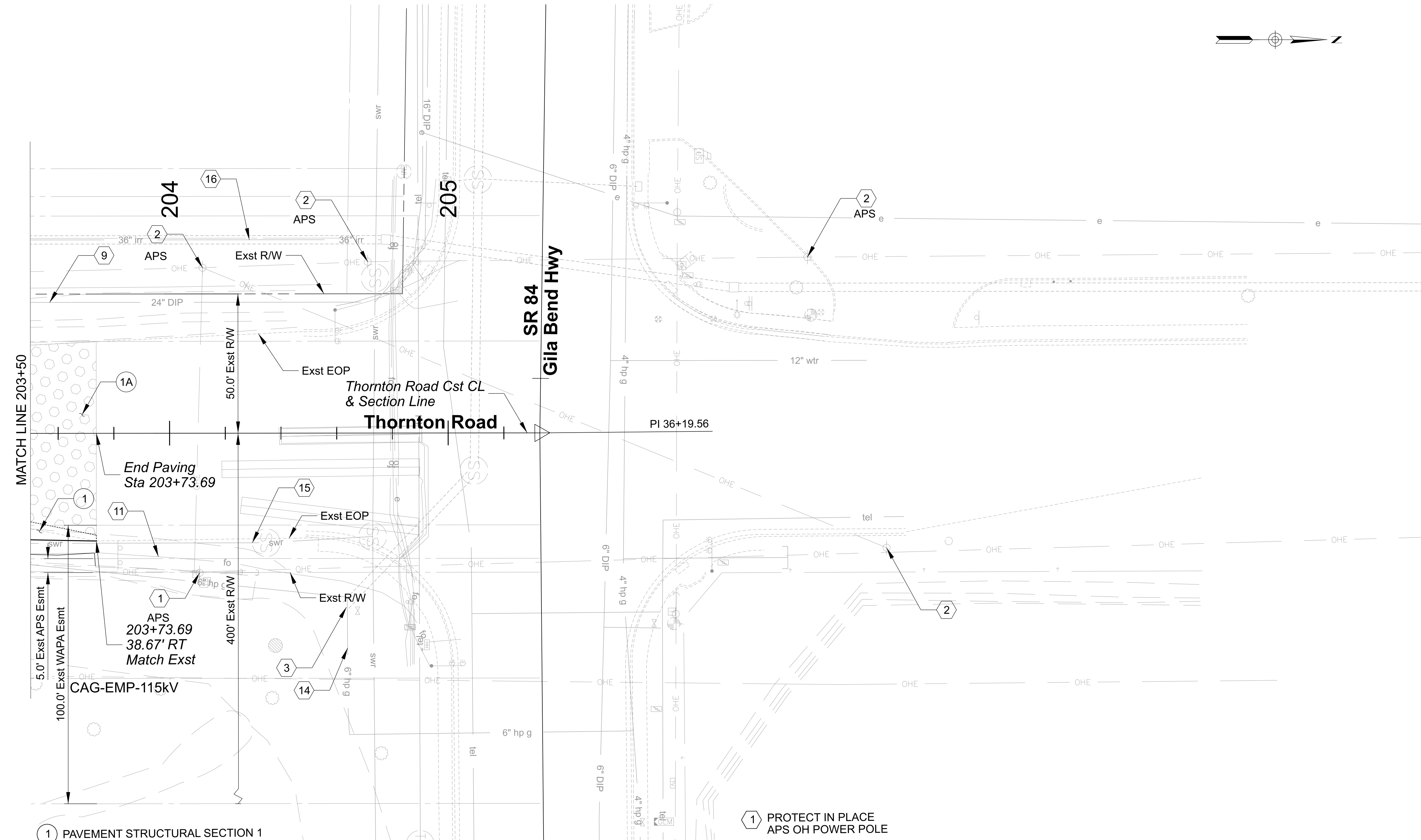
	NAME	DATE
DESIGN	SBN	05/26
DRAWN	BLJ	05/26
CHECKED	SBN	05/26

Horrocks.

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

ROADWAY PLAN
THORNTON ROAD
STA 193+50 TO 198+50

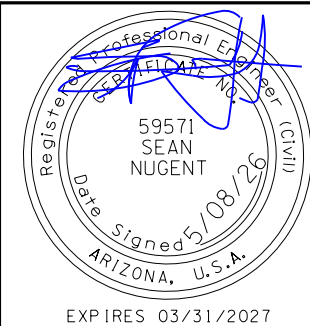
ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
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STRUCTURE NO.	THORNTON ROAD; SR84 - PETERS RD						SHEET C-03.14
	TRACS NO. T0530 01C						OF



1 PAVEMENT STRUCTURAL SECTION 1

1A PAVEMENT STRUCTURAL SECTION 2

- 1 PROTECT IN PLACE APS OH POWER POLE
- 2 PROTECT IN PLACE OH POWER POLE
- 3 PROTECT IN PLACE SWG CATHODIC PROTECTION TEST POINT
- 9 PROTECT IN PLACE WATER MAIN
- 11 PROTECT IN PLACE ALLUVION FO MAINTAIN 1' MIN OF VERT CLEARANCE
- 14 PROTECT IN PLACE GAS MAIN
- 15 PROTECT IN PLACE SEWER MAIN
- 16 PROTECT IN PLACE 36" IRR MAIN



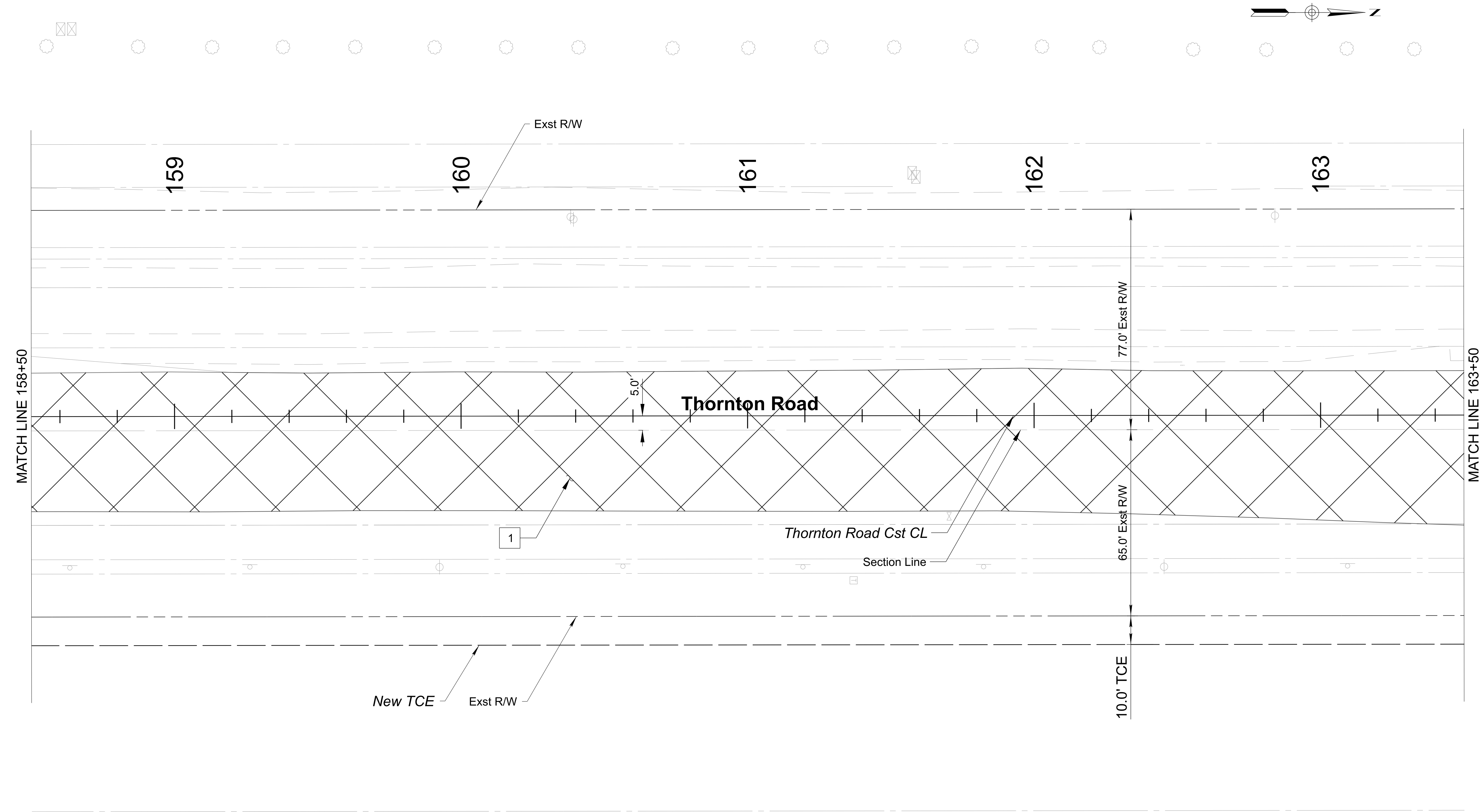
DESIGN	SBN	DATE
DRAWN	BLJ	05/26
CHECKED	SBN	05/26

Horrocks.

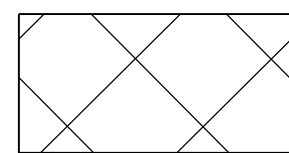
ARIZONA DEPARTMENT OF TRANSPORTATION
PROJECT DELIVERY AND OPERATIONS DIVISION
ROADWAY DESIGN SECTION

ROADWAY PLAN
THORNTON ROAD
STA 203+50 TO EOP

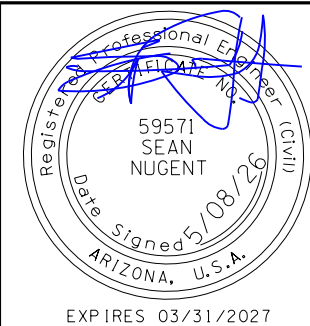
ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
MILEPOST	ARIZ.	0000 PN CG	CSG-0(214)T	27	72		
STRUCTURE NO.	THORNTON ROAD; SR84 - PETERS RD					SHEET C-03.16	
	TRACS NO. T0530 01C					____ OF ____	



1 REMOVE AC PAVEMENT FULL DEPTH



REMOVE EXISTING AC PAVEMENT



	NAME	DATE
DESIGN	SBN	05/26
DRAWN	BLJ	05/26
CHECKED	SBN	05/26



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

REMOVAL PLAN
THORNTON ROAD
STA 158+50 TO 163+50

ROUTE

MILEPOST

STRUCTURE NO.

F.H.W.A. Arizona Division

STATE

ARIZ.

PROJECT NO.

0000 PN CG

FEDERAL ID NO.

CSG-0(214)T

SHEET NO.

29

TOTAL SHEETS

72

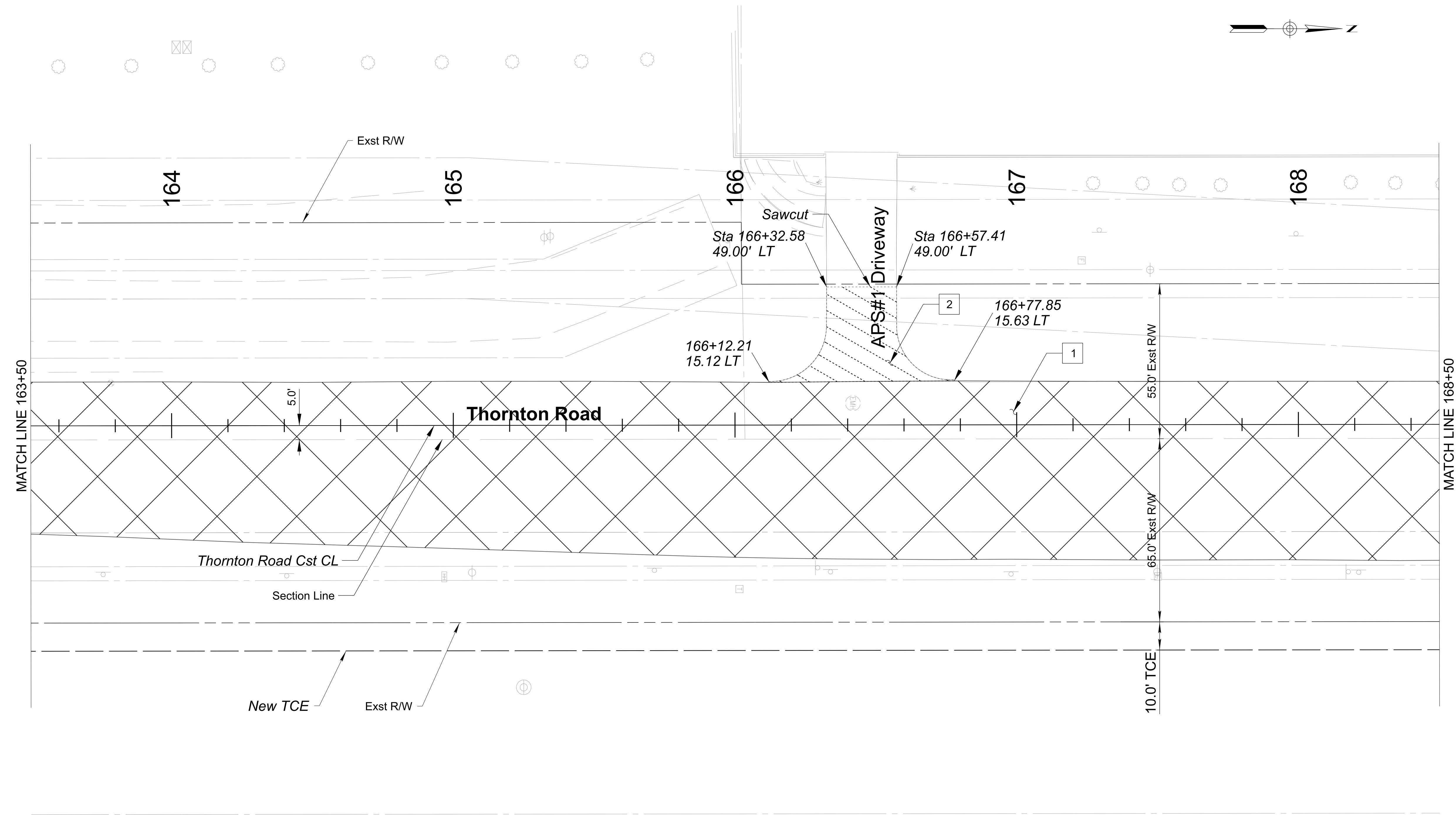
RECORD DRAWING

LOCATION THORNTON ROAD; SR84 - PETERS RD

TRACS NO. T0530 01C

SHEET C-04.02

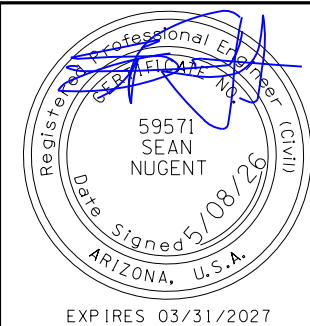
OF



- 1

REMOVE AC PAVEMENT FULL DEPTH
- 2

REMOVE CONC DRIVEWAY FULL DEPTH
- REMOVE EXISTING AC PAVEMENT
- REMOVE EXISTING CONC DRIVEWAY



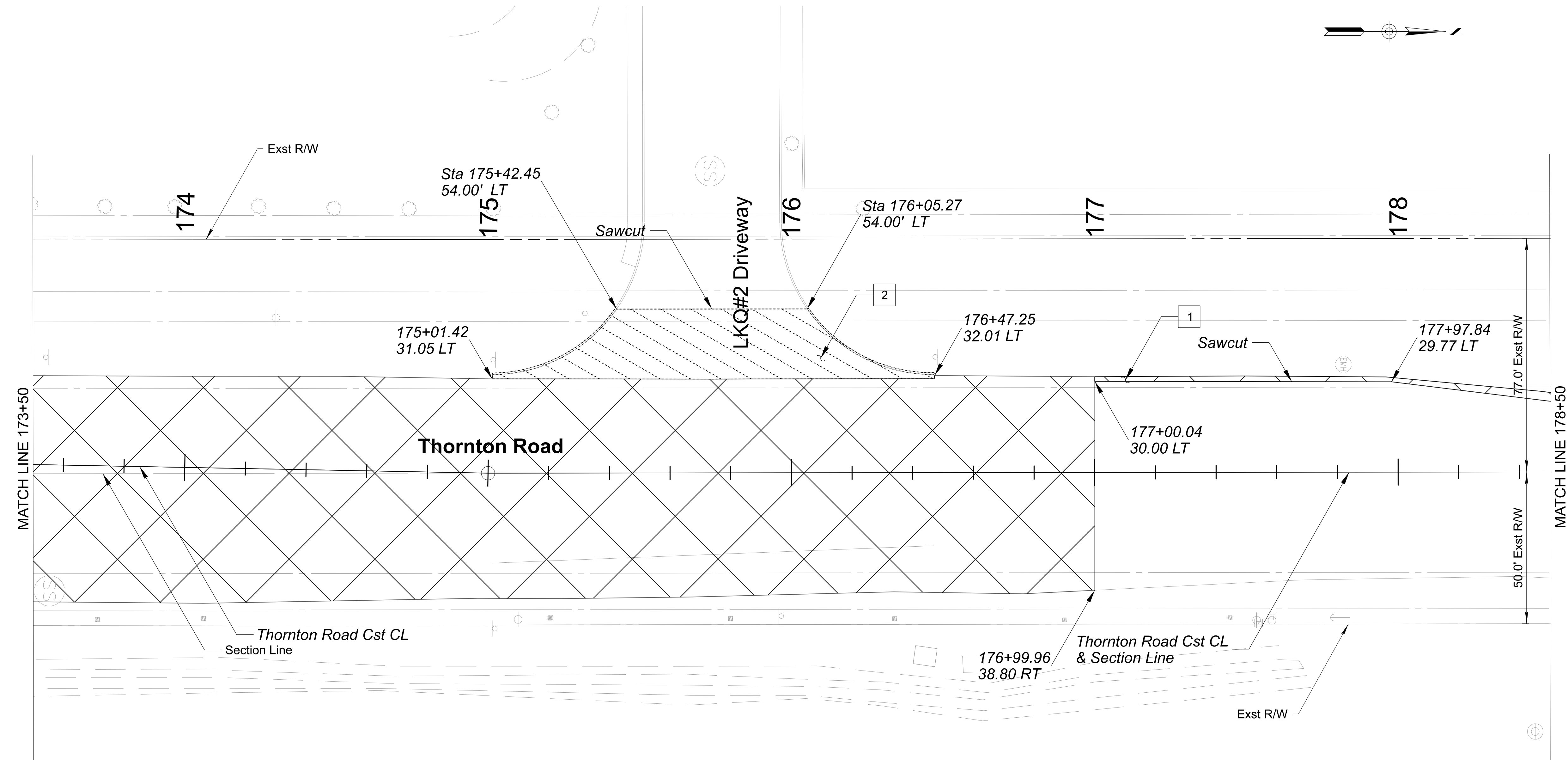
DESIGN	SBN	NAME	DATE
DRAWN	BLJ		05/26
CHECKED	SBN		05/26

Horrocks.

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

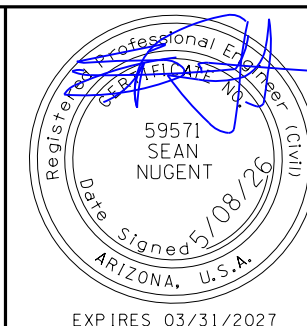
REMOVAL PLAN
THORNTON ROAD
STA 163+50 TO 168+50

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
MILEPOST	ARIZ.	0000 PN CG	CSG-0(214)T	30	72		
STRUCTURE NO.	THORNTON ROAD; SR84 - PETERS RD					SHEET C-04.03	
TRACS NO. T0530 01C		____ OF ____					



- 1 REMOVE AC PAVEMENT FULL DEPTH
2 REMOVE CONC DRIVEWAY FULL DEPTH

REMOVE EXISTING AC PAVEMENT
REMOVE EXISTING CONC DRIVEWAY



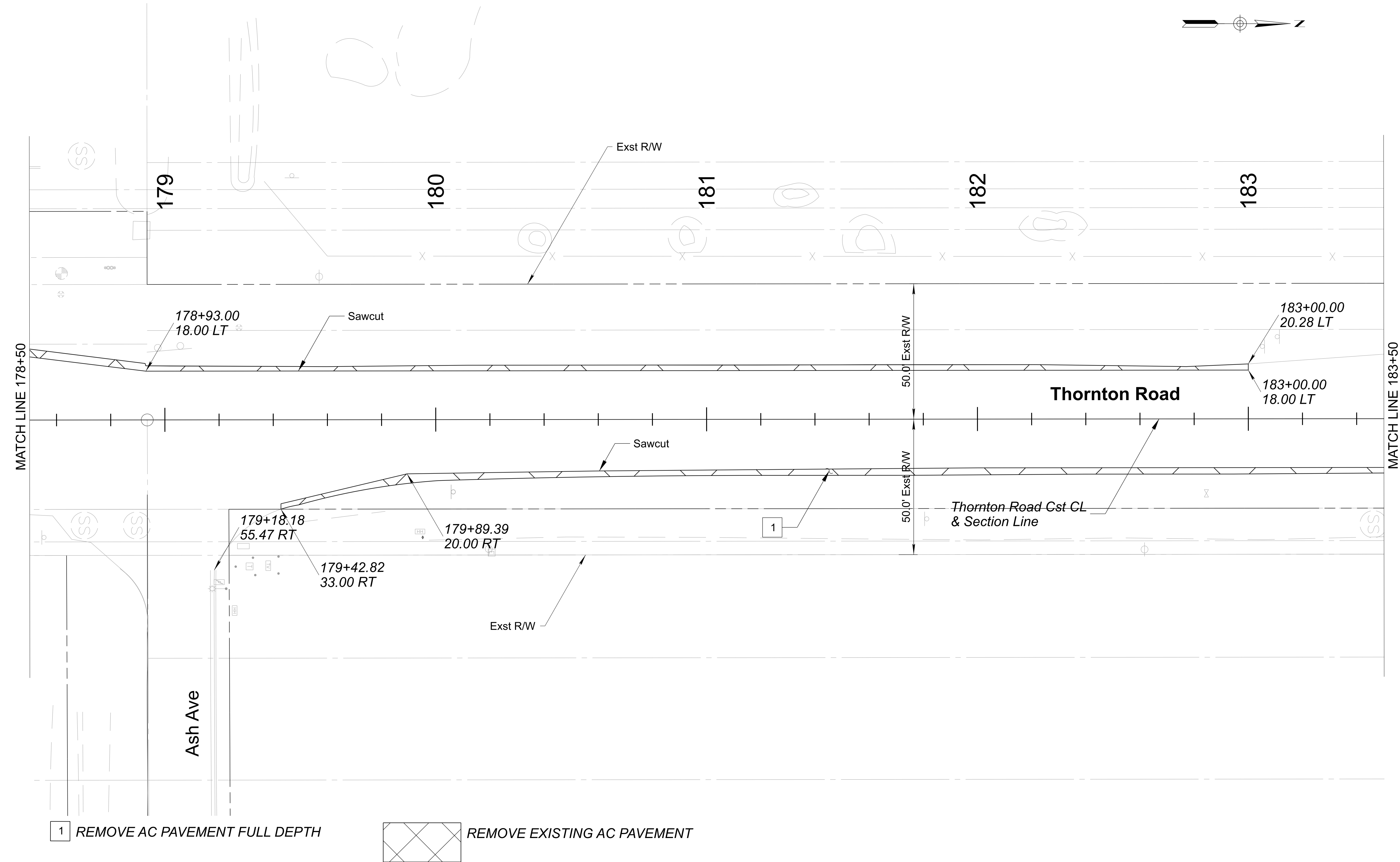
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DESIGN	SBN	05/26
DRAWN	BLJ	05/26
CHECKED	SBN	05/26

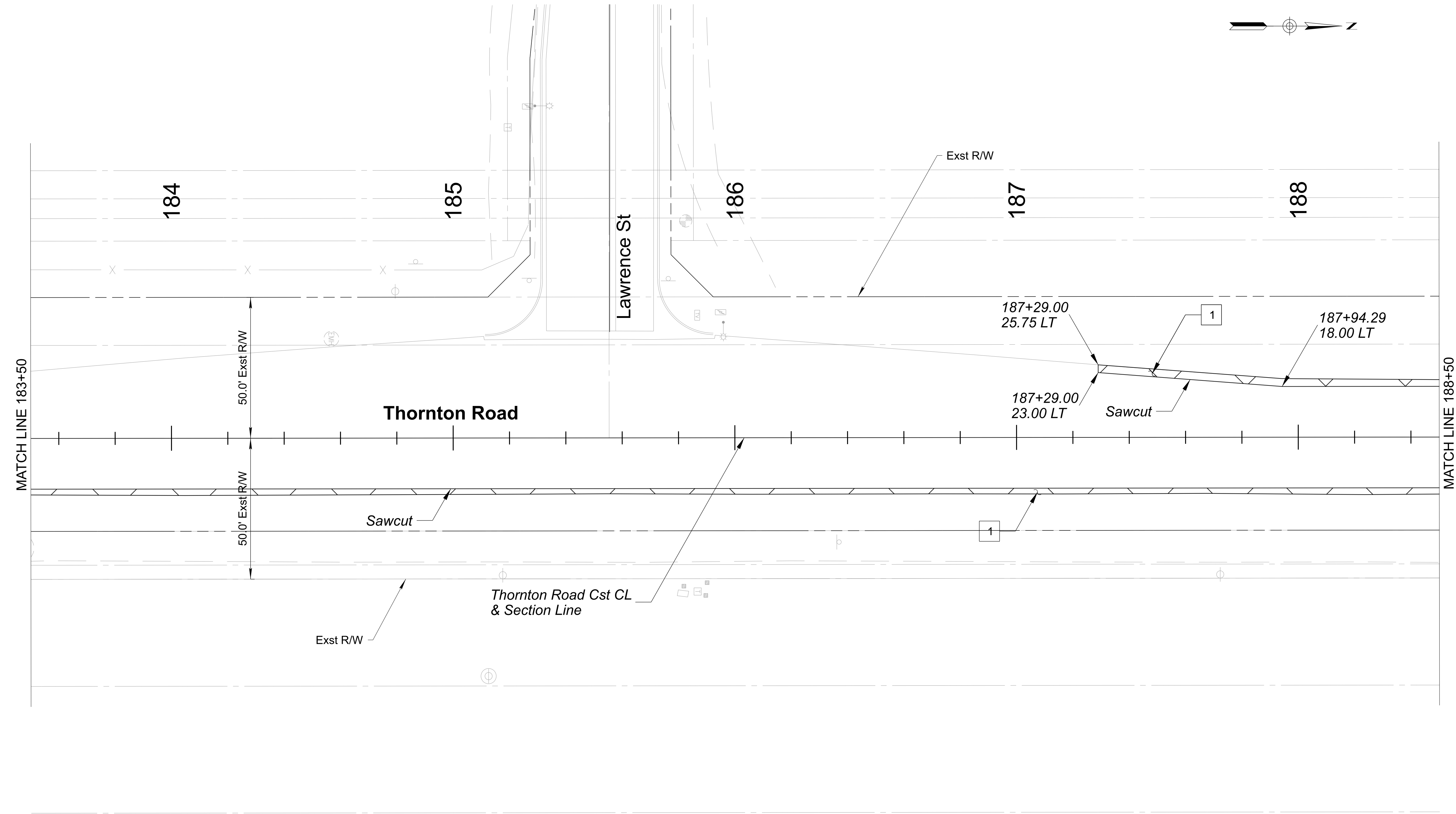
Horrocks.

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

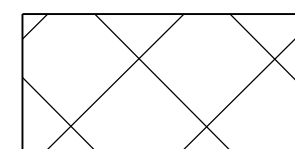
REMOVAL PLAN
THORNTON ROAD
STA 173+50 TO 178+50

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
MILEPOST	ARIZ.	0000 PN CG	CSG-0(214)T	32	72		
STRUCTURE NO.	THORNTON ROAD; SR84 - PETERS RD					SHEET C-04.05	
TRACS NO. T0530 01C		____ OF ____					

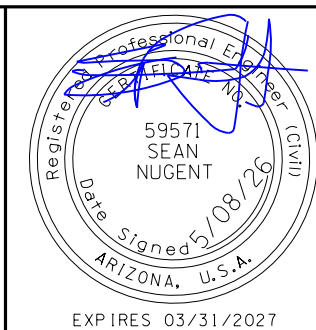




1 REMOVE AC PAVEMENT FULL DEPTH



REMOVE EXISTING AC PAVEMENT

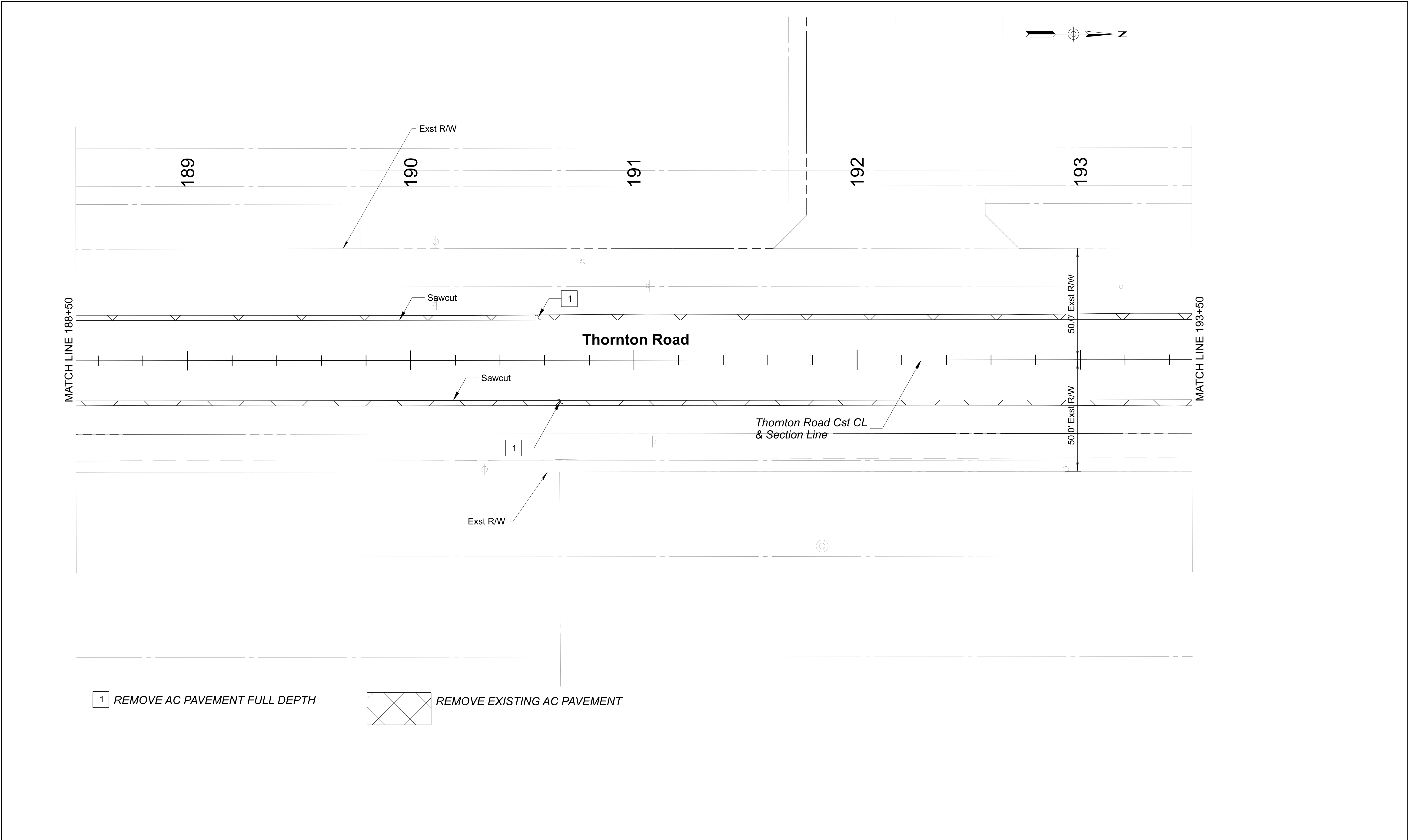


	NAME	DATE
DESIGN	SBN	05/26
DRAWN	BLJ	05/26
CHECKED	SBN	05/26

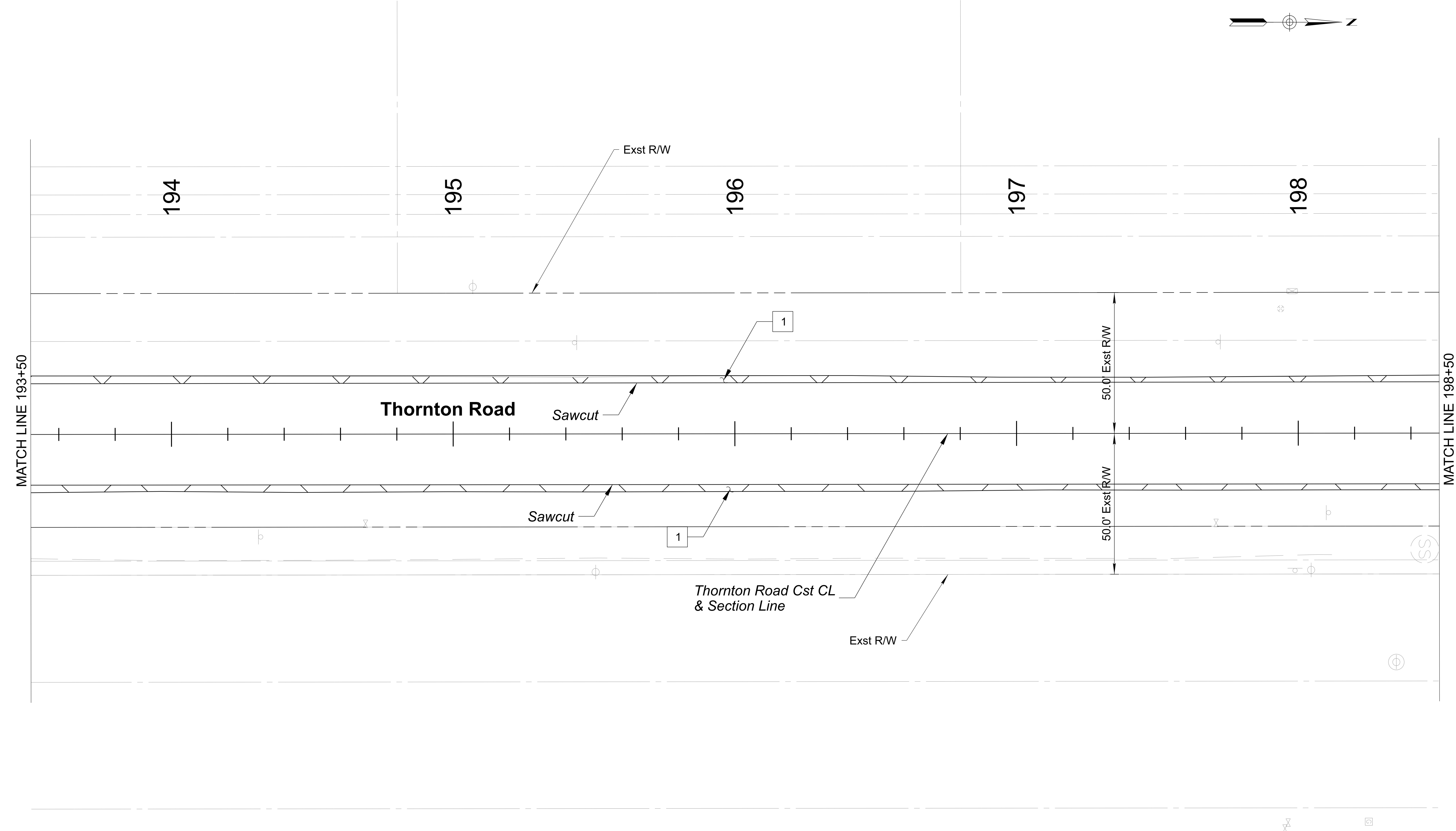
 **Horrocks.**

ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SECTION	ROUTE
REMOVAL PLAN THORNTON ROAD STA 183+50 TO 188+50	MILEPOST
	STRUCTURE NO.

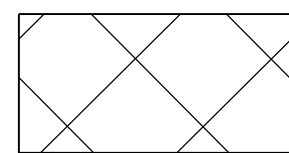
F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	0000 PN CG	CSG-0(214)T	34	72	
LOCATION THORNTON ROAD; SR84 - PETERS RD						SHEET C-04.07
TRACS NO. T0530 01C						____ OF ____



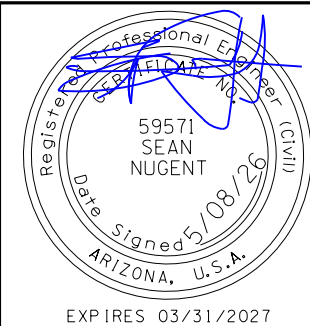
	DESIGN		SBN	05/26	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SECTION	ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING		
	DRAWN		BLJ	05/26		MILEPOST		ARIZ.		0000 PN CG	CSG-0(214)T	35	72		
	CHECKED		SBN	05/26			STRUCTURE NO.	LOCATION							
						THORNTON ROAD; SR84 - PETERS RD								____ OF ____	
					REMOVAL PLAN THORNTON ROAD STA 188+50 TO 193+50	TRACS NO.		T0530 01C							



1 REMOVE AC PAVEMENT FULL DEPTH



REMOVE EXISTING AC PAVEMENT



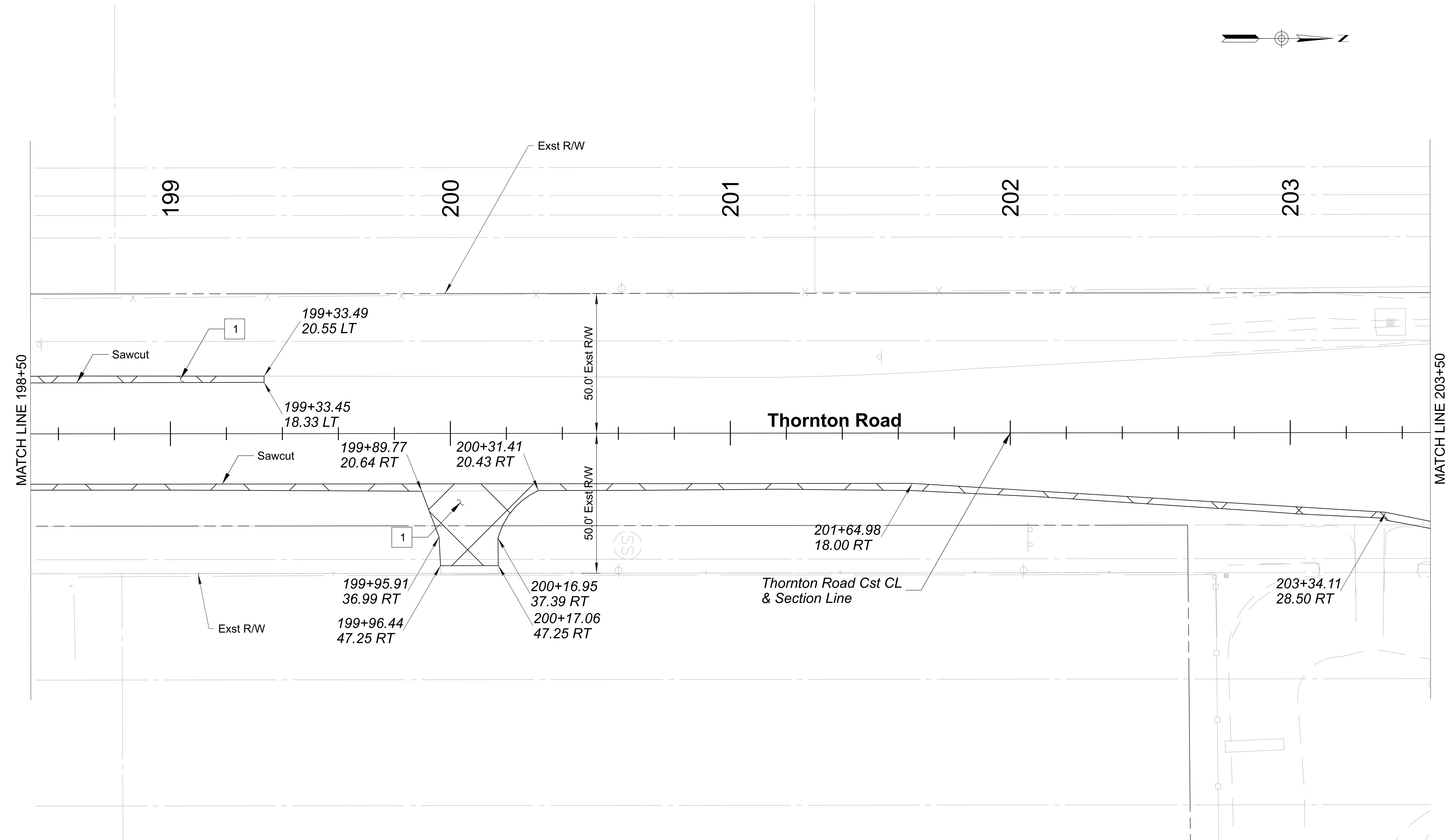
DESIGN	SBN	NAME	DATE
DRAWN	BLJ		05/26
CHECKED	SBN		05/26

Horrocks.

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

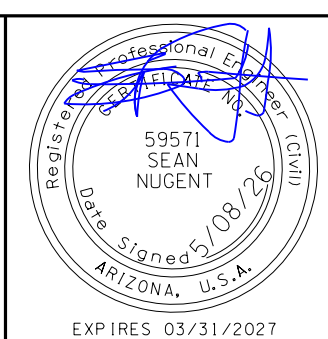
**REMOVAL PLAN
THORNTON ROAD
STA 193+50 TO 198+50**

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
MILEPOST	ARIZ.	0000 PN CG	CSG-0(214)T	36	72		
STRUCTURE NO.	THORNTON ROAD; SR84 - PETERS RD					SHEET C-04.09	
TRACS NO. T0530 01C		____ OF ____					



1 REMOVE AC PAVEMENT FULL DEPTH

REMOVE EXISTING AC PAVEMENT



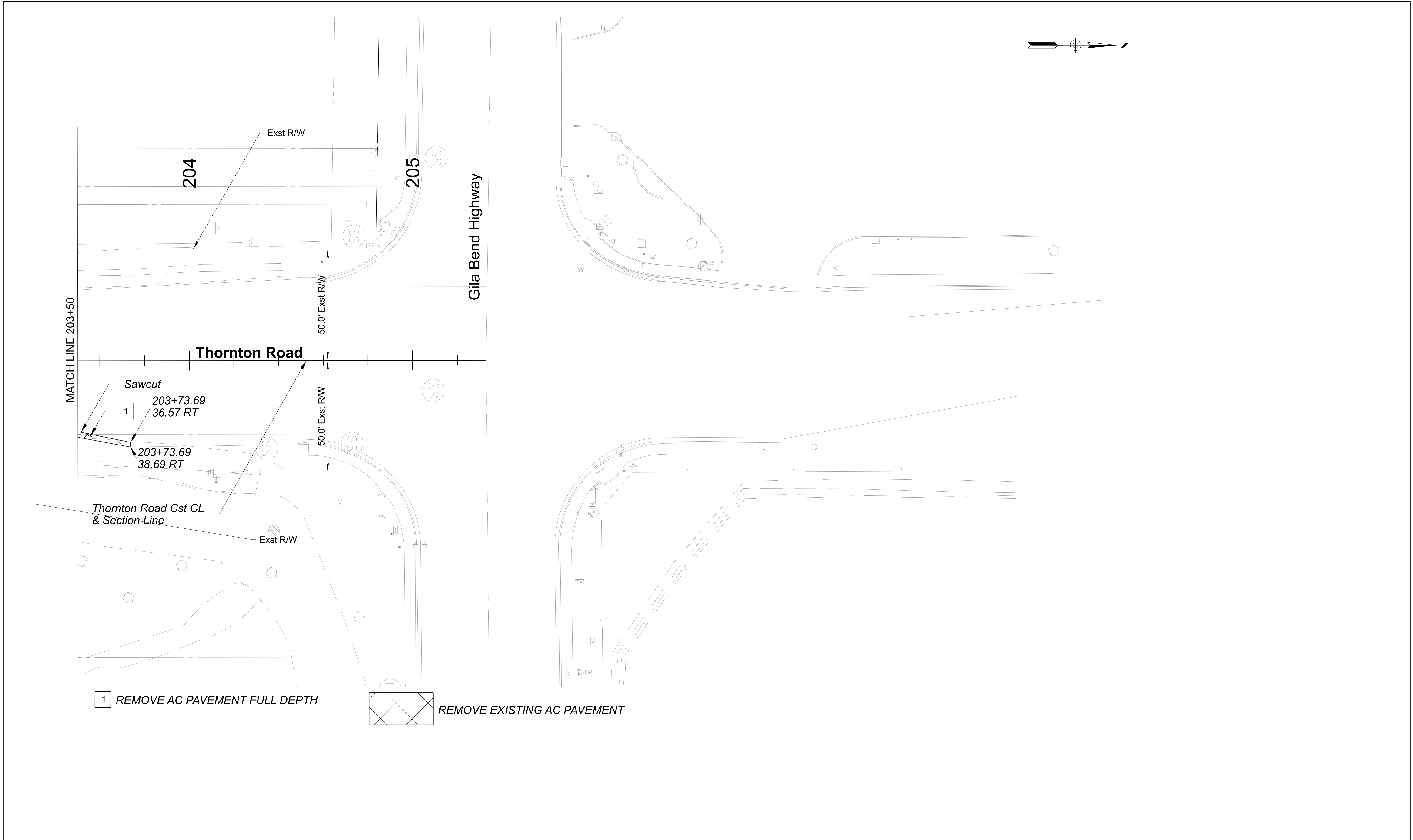
	NAME	DATE
DESIGN	SBN	05/26
DRAWN	BLJ	05/26
CHECKED	SBN	05/26

Horrocks.

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

REMOVAL PLAN
THORNTON ROAD
STA 198+50 TO 203+50

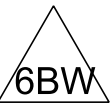
ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
MILEPOST	ARIZ.	0000 PN CG	CSG-0(214)T	37	72		
STRUCTURE NO.	THORNTON ROAD; SR84 - PETERS RD					SHEET C-04.10	
TRACS NO. T0530 01C		____ OF ____					



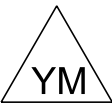
	DESIGN	SBN	05/26	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SECTION	ROUTE	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING	
	DRAWN	BLJ	05/26		0000 PN CG			CSG-0(214)T	38	72			
	CHECKED	SBN	05/26		Horrocks	MILEPOST	LOCATION THORNTON ROAD; SR84 - PETERS RD						
						STRUCTURE NO.	TRACS NO. T0530 01C						
						SHEET C-04.11 ____ OF ____							

PAVEMENT MARKING NOTES

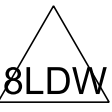
1. All final stop bars, crosswalk lines, and pavement arrows shall be 90 mil (0.090 inch) thick, extruded thermoplastic reflectorized markings.
2. Final permanent striping shall be 90 mil (0.090 inches) thick alkyd extruded thermoplastic reflectorized striping.
3. Pavements will be marked with waterborne paint within 24 hours of pavement sealing. final permanent markings will be placed 30 days after final pavement sealing.
4. The contractor shall be responsible for the layout & installation of permanent pavement markings on final surface course using a string line, following control points that have been set no more than 10 feet along lines to be striped.
5. The dimensions shown to pavement stripes are measured to the center of the stripe or, in the case of double stripe, to the center of the double stripe.
6. The pavement marking drawings are schematic only & not to scale. the contractor shall follow all dimensions, details, & standards when installing pavement stripes, markings, & markers.
7. The contractor shall refer any questions concerning traffic markings to the city of Casa Grande traffic engineer. An inspection of the layout in the field by the city engineering inspection personnel will be required prior to any permanent striping applications. The contractor shall notify the city that the road is ready for inspection after the layout & spotting of the entire project is complete.
8. Raised reflective pavement markers shall be per ADOT Std Det M-19. They shall have an abrasive resistant surface. they shall be secured in the pavement with a hot flexible marker adhesive.
9. 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 C pavement markers shall be installed so that the clear reflective face of each marker is facing approaching traffic and is perpendicular to the direction of traffic flow.
10. Install Type C raised pavement markers on broken white lines at 40' spacing.
11. Install Type C raised pavement markers on turn lines at 20' spacing.
12. install Type D raised pavement markers on solid double yellow lines at 40' spacing.
13. Install dual Type C raised pavement markers on dotted white lines at 24' spacing.
14. Paint median island noses yellow per ADOT Std Det M-1. install Type D raised pavement markers on top of median island nose curb per ADOT Std Det M-1.
15. Where raised pavement markers are placed along solid striping, the nearest edge of each marker shall be offset no less than 2 inches from the nearest edge of striping.
16. Turn lane arrows & legends shall be installed per ADOT Std Det M-10 & M-11.
17. The contractor shall obliterate all existing pavement marking and symbols within the limit of the proposed seal coat application, prior to installing the seal coat.



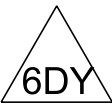
6" BROKEN WHITE LINE
(10' STRIPE, 30' GAP)
WITH TYPE C RPM
@ 40' SPACING



PAINT MEDIAN NOSE, YELLOW
WITH TYPE D RPM



8" LANE DROP WHITE LINE
(3' STRIPE, 9' GAP)
WITH DUAL TYPE C RPM
@ 24' SPACING



6" SOLID DOUBLE YELLOW LINE
WITH TYPE D RPM
@ 40' SPACING



6" SOLID WHITE LINE



8" SOLID WHITE LINE
WITH TYPE C RPM
@ 20' SPACING



12" SOLID WHITE LINE



18" SOLID WHITE LINE

SIGNING NOTES

1. All signs shall be in compliance with the Manual on Uniform Traffic Control Devices (MUTCD) 11th Edition, Signing and Marking Standard Drawings, and the ADOT Traffic Engineering Manual of Approved Signs.
2. The sign locations and the post lengths are approximate. The contractor shall verify the sign locations and actual post lengths with the Engineer prior to installing signs.
3. Unless otherwise noted, the bottom of each sign shall be at least 7 feet above the nearest edge of pavement and at least 7 feet above the ground under the sign.
4. Offsets for all signs shall be measured from the edge of the roadway to the nearest edge of the sign.
5. All new signs shall be fabricated of flat sheet aluminum as indicated in Section 608 of the Standard Specifications..
6. The retroreflective sheeting on all new signs shall meet criteria established in Section 1007 of the Standard Specifications and in Section 380 of ADOT's Traffic Guidelines and Processes.
7. All new signs shall be installed on new square tube posts with foundations as indicated in ADOT Standard Drawings.
8. The Engineer may modify the signing plans.
9. Shop drawings will be required.
10. The contractor shall remove existing signing where indicated in the sign summary.
11. The contractor shall inventory all signs to be removed or covered and note damaged signs to the Engineer at the time of covering or removal. All signs damaged by covering or removal shall be replaced by the contractor at the contractor's expense.

MARKING QUANTITIES			
ITEM NO.	DESCRIPTION	QTY	UNIT
7015051	OBLITERATE PAVEMENT MARKING (ARROW, SYMBOL OR LEGEND)	4	EACH
7015052	OBLITERATE PAVEMENT MARKING (STRIPE)	11,308	L.FT.
7040005	PAVEMENT MARKING (WHITE EXTRUDED THERMOPLASTIC) (0.090")	15,490	L.FT.
7040006	PAVEMENT MARKING (YELLOW EXTRUDED THERMOPLASTIC) (0.090")	17,330	L.FT.
7040072	PAVEMENT MARKING (TRANSVERSE) (THERMOPLASTIC) (ALKYD) (0.090")	250	L.FT.
7040074	PAVEMENT SYMBOL (EXTRUDED THERMOPLASTIC) (ALKYD) (0.090")	11	EACH
7060013	PAVEMENT MARKER, RAISED, TYPE C	400	EACH
7060015	PAVEMENT MARKER, RAISED, TYPE D	193	EACH
7080301	PAINT BULL NOSE	4	EACH
7080401	WATERBORNE-TYPE II PAVEMENT MARKING (PAINTED) (WHITE)	10,493	L.FT.
7080402	WATERBORNE-TYPE II PAVEMENT MARKING (PAINTED) (YELLOW)	11,553	L.FT.
7080404	WATERBORNE-TYPE II PAVEMENT MARKING (PAINTED SYMBOL)	11	EACH

SIGNING QUANTITIES			
ITEM NO.	DESCRIPTION	QTY	UNIT
2020054	REMOVE (SIGNS, STRUCTURES, FOUNDATIONS, AND POSTS)	46	EACH
6070038	SLIPBASE	10	EACH
6070054	SIGN POST (PERFORATED) (2S)	166	L.FT
6070055	SIGN POST (PERFORATED) (2 1/2S)	103	L.FT
6070057	SIGN POST (PERFORATED) (2 1/2T)	100	L.FT
6070060	FOUNDATION FOR SIGN POST (CONCRETE)	33	EACH
6080005	WARNING, MARKER, OR REGULATORY SIGN PANEL	142	SQ.FT
6080110	REMOVE AND REINSTALL SIGN	1	EACH
7030084	OBJECT MARKER (M-23) (TYPE 1 OR 4)	6	EACH

DESIGN

SBN

05/26

DRAWN

BLJ

05/26

CHECKED

SBN

05/26

NAME

DATE

ARIZONA DEPARTMENT OF TRANSPORTATION

PROJECT DELIVERY AND OPERATIONS DIVISION

TRAFFIC DESIGN SECTION

ROUTE

MILEPOST

STRUCTURE NO.

F.H.W.A. Arizona Division

ARIZ.

LOCATION

THORNTON ROAD; SR84 - PETERS RD

TRACS NO.

T0530 01C

STATE

PROJECT NO.

FEDERAL ID NO.

SHEET NO.

TOTAL SHEETS

RECORD DRAWING

72

SHEET

T-01.01

OF

59571

SEAN

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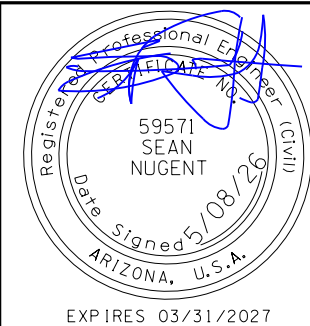
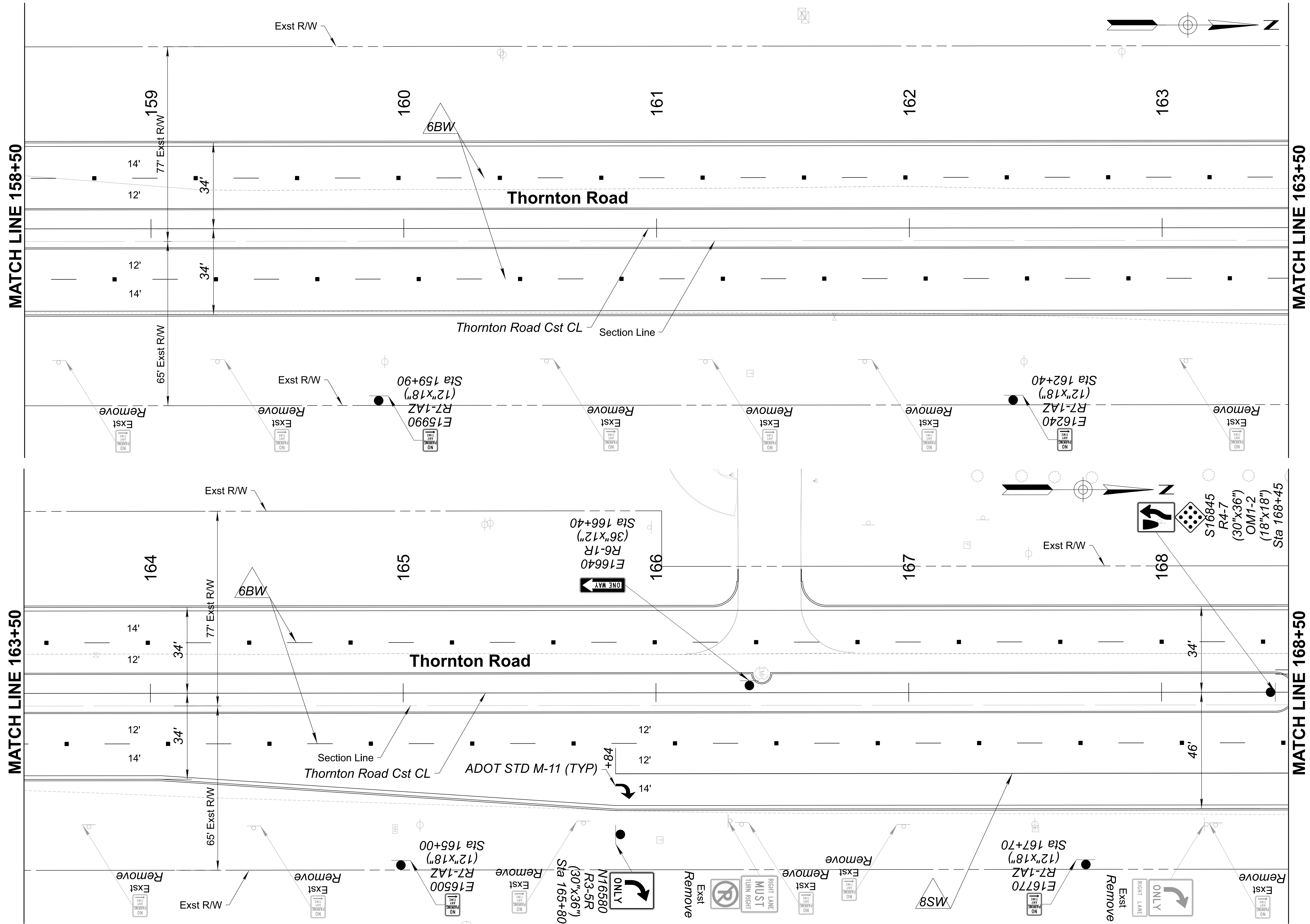
REGISTERED PROFESSIONAL ENGINEER

ARIZONA, U.S.A.

EXPIRES 03/31/2027

Horrocks

SIGNING AND PAVEMENT MARKING NOTES

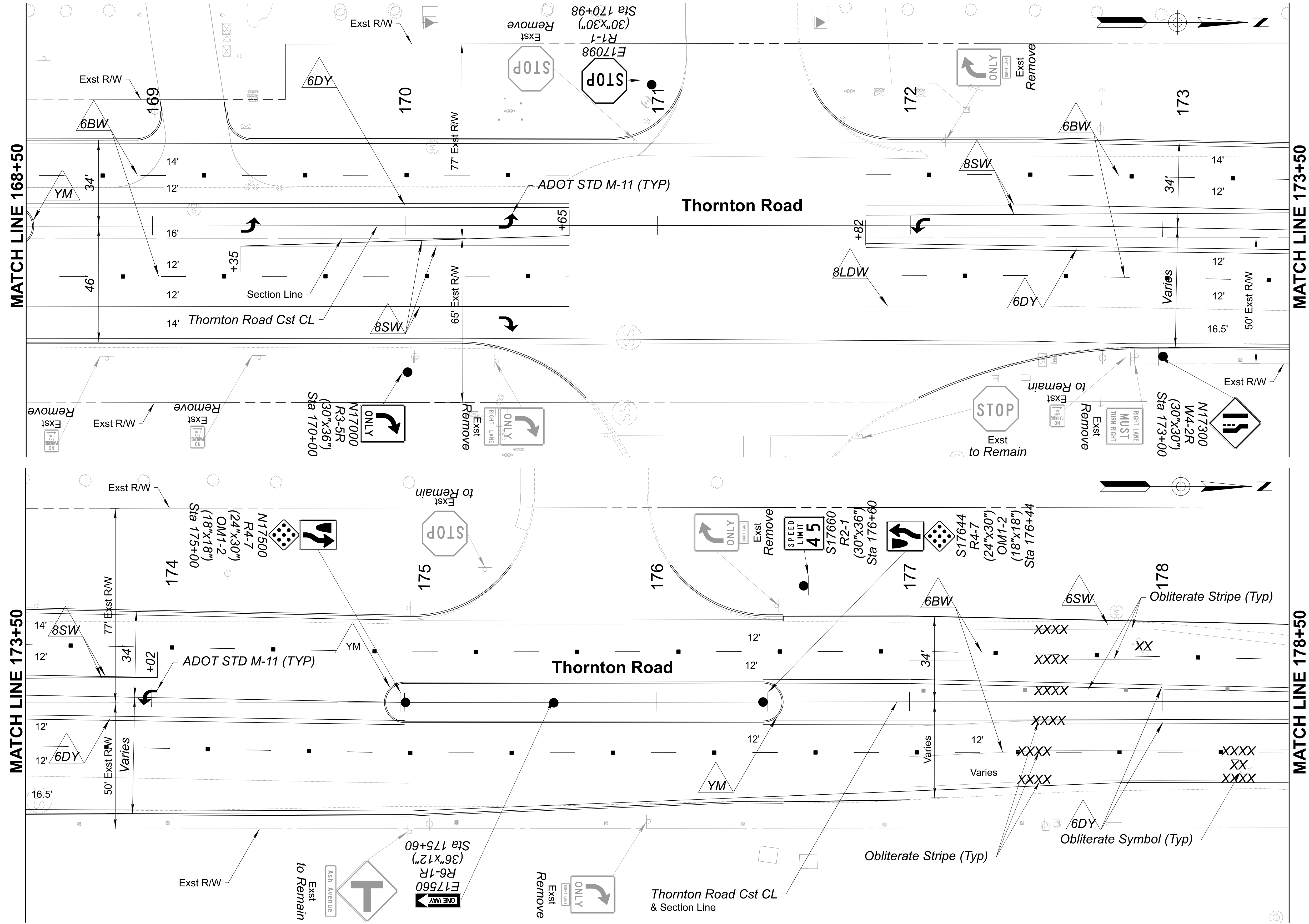


	NAME	DATE
DESIGN	SBN	05/26
DRAWN	BLJ	05/26
CHECKED	SBN	05/26

 **Horrocks.**

ARIZONA DEPARTMENT OF TRANSPORTATION
PROJECT DELIVERY AND OPERATIONS DIVISION
TRAFFIC DESIGN SECTION
SIGNING/STRIPING PLANS
THORNTON ROAD
STA 158+50 TO 168+50

ROUTE	F.H.W.A. Arizona Division	STATE	ARIZ.	PROJECT NO.	0000 PN CG	FEDERAL ID NO.	CSG-0(214)T	SHEET NO.	41	TOTAL SHEETS	72	RECORD DRAWING	
MILEPOST	LOCATION THORNTON ROAD; SR84 - PETERS RD											SHEET T-02.02	
STRUCTURE NO.	TRACS NO. T0530 01C											OF	

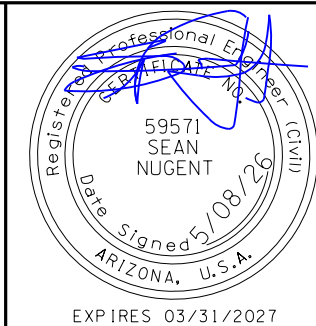
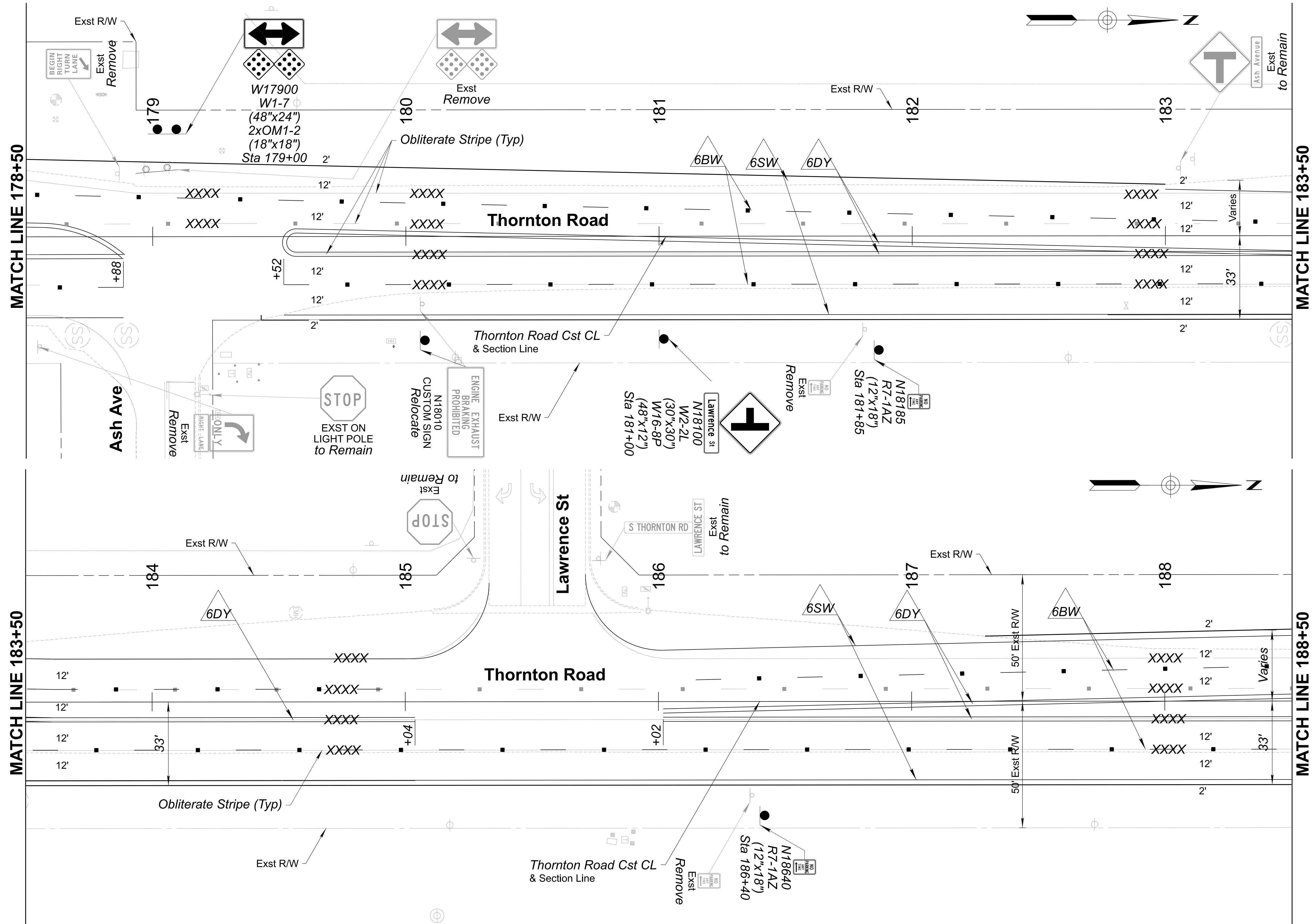


DESIGN	NAME	DATE
DRAWN	SBN	05/26
CHECKED	SBN	05/26

 **Horrocks.**

ARIZONA DEPARTMENT OF TRANSPORTATION
PROJECT DELIVERY AND OPERATIONS DIVISION
TRAFFIC DESIGN SECTION
SIGNING/STRIPING PLANS
THORNTON ROAD
STA 168+50 TO 178+50

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING	
MILEPOST		ARIZ.	0000 PN CG	CSG-0(214)T	42	72		
STRUCTURE NO.	LOCATION						THORNTON ROAD; SR84 - PETERS RD	SHEET T-02.03
	TRACS NO. T0530 01C						___ OF ___	



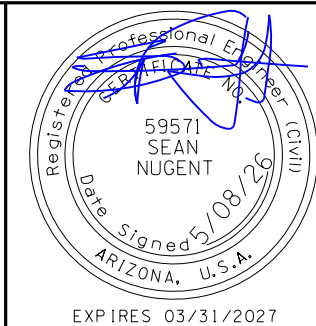
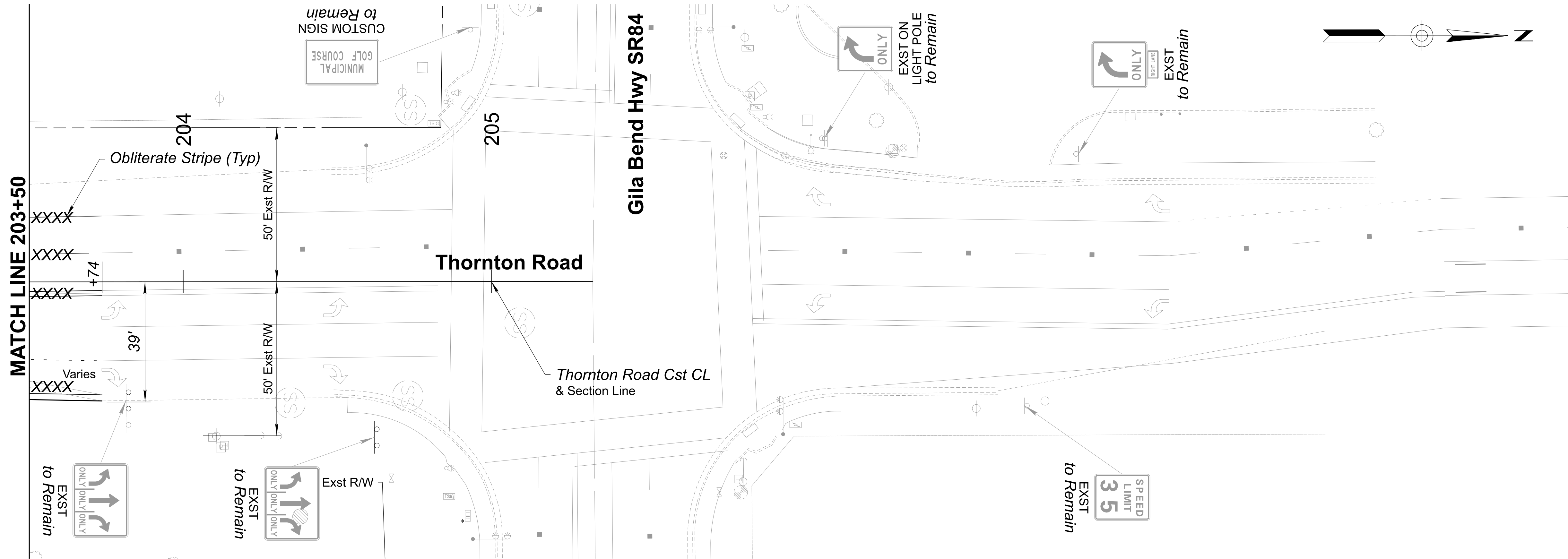
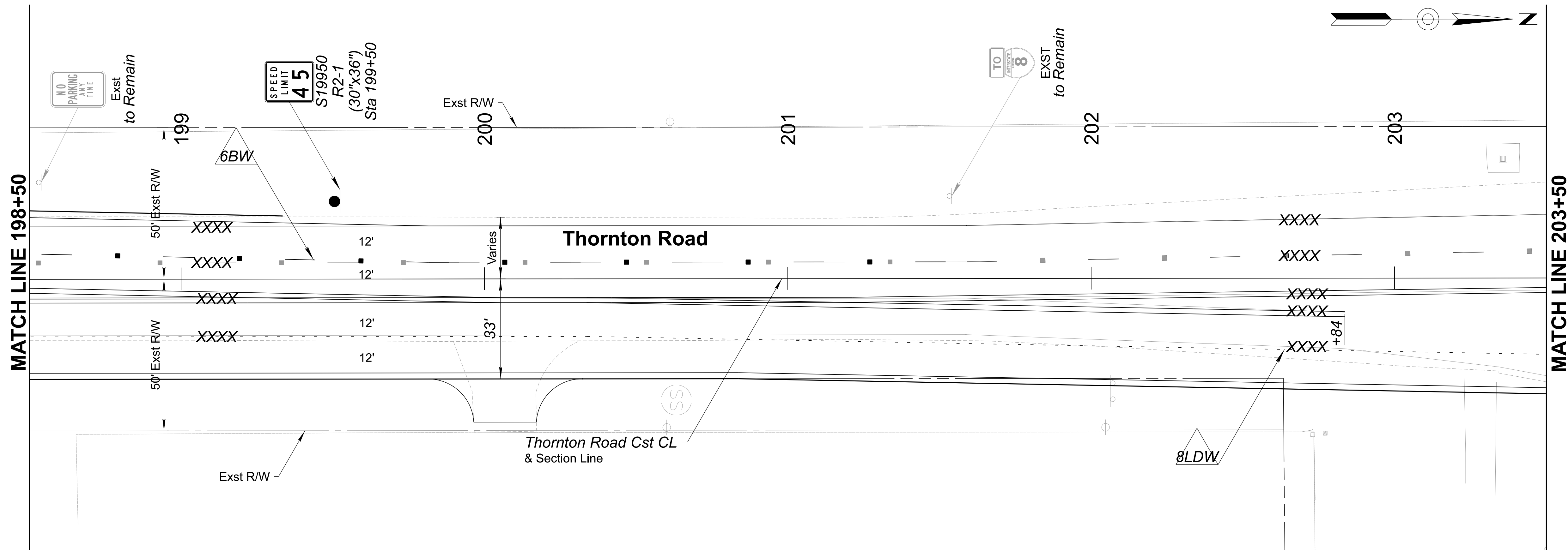
	NAME	DATE
DESIGN	SBN	05/26
DRAWN	BLJ	05/26
CHECKED	SBN	05/26

 **Horrocks.**

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

SIGNING/STRIPING PLANS
THORNTON ROAD
STA 178+50 TO 188+50

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
MILEPOST		ARIZ.	0000 PN CG	CSG-0(214)T	43	72	
		LOCATION THORNTON ROAD; SR84 - PETERS RD					SHEET T-02.04
STRUCTURE NO.	TRACS NO. T0530 01C						___ OF ___



	NAME	DATE
DESIGN	SBN	05/26
DRAWN	BLJ	05/26
CHECKED	SBN	05/26

 **Horrocks.**

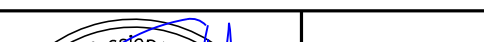
ARIZONA DEPARTMENT OF TRANSPORTATION
PROJECT DELIVERY AND OPERATIONS DIVISION
TRAFFIC DESIGN SECTION

SIGNING/STRIPING PLANS
THORNTON ROAD
STA 198+50 TO PROJECT END

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
MILEPOST	ARIZ.	0000 PN CG	CSG-0(214)T	45	72		
STRUCTURE NO.	THORNTON ROAD; SR84 - PETERS RD					SHEET T-02.06	
	TRACS NO. T0530 01C					____ OF ____	

Notes: 1. The Engineer shall verify post lengths and elevations. 2. The Engineer may shift a sign in order to achieve a more desirable location. 3. Quantities are approximate and for the contractor's information only.	Panel Types: RWM: Regulatory, Warning, or Marker F-DA: Flat-sheet aluminum F-Dem: Flat-sheet aluminum with demountable characters	Panel Types: Ext: Aluminum extrusions Incr: Aluminum sheet increment Over: Overhead (New overlaid extrusions)	Background Color Legend: BL - Blue; GR - Green; TQ - Turquoise; YL - Yellow* BR - Brown; RD - Red; WH - White; * All retroreflective sheeting shall be Type IX and XI per ASTM D4956. Yellow signs shall have fluorescent sheeting.	Post Types: S: Single perforated T: Telescoping perforated	Stringer Types: P: Square-tube post T: T-section (WT 3x6)
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[illegible]

	<table><tr><th></th><th>NAME</th><th>DATE</th></tr><tr><td>DESIGN</td><td>SBN</td><td>05/26</td></tr><tr><td>DRAWN</td><td>BLJ</td><td>05/26</td></tr><tr><td>CHECKED</td><td>SBN</td><td>05/26</td></tr></table>		NAME	DATE	DESIGN	SBN	05/26	DRAWN	BLJ	05/26	CHECKED	SBN	05/26	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION TRAFFIC DESIGN SECTION	ROUTE	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. 0000 PN CG	FEDERAL ID NO. CSG-0(214)T	SHEET NO. 48	TOTAL SHEETS 72	RECORD DRAWING
		NAME	DATE																			
	DESIGN	SBN	05/26																			
	DRAWN	BLJ	05/26																			
CHECKED	SBN	05/26																				
			MILEPOST	LOCATION THORNTON ROAD; SR84 - PETERS RD																		
			STRUCTURE NO.	TRACS NO. T0530 01C																		

Printed Columns of Sign Summary Sheet																										
Plan Sht No.	Sign Number	MOAS Sign Code	Work					Offset (ft)	Mounting Height (ft)	Background Color	Panel						Ground Mounted					Overhead		Remarks		
			New	Existing													Post			Stringer		Structure Type	Number of Lights			
				Replace Panel	Relocate Panel	Modify Legend	Remove				To Remain	Type	Total length (ft)	New Slipbases	Type	Total length (ft)										
T-02.03	E17560	R6-1R	X						5	BK	Legend	Width (in)	Height (in)	Area (sq. ft)	Type	Min Sheeting Type	Bid Item Number	Foundations	Type	Total length (ft)	New Slipbases	Type	Total length (ft)	Structure Type	Number of Lights	Remarks
(cont.)											ONE WAY (Right)	36	12	3.0	RWM	9	6080005	1	2 1/2S	6					CENTER IN MEDIAN	
	N17590	R3-5R				X					Right Turn Arrow ONLY						2020153									
	+	R3-5fP				X					RIGHT LANE						2020153									
	S17648	R3-5R				X					Right Turn Arrow ONLY						2020153									
		R3-5fP				X					RIGHT LANE						2020153									
	S17644	R4-7	X						7	WH	Keep Right Symbol	24	30	5.0	RWM	9	6080005	1	2S	10					CENTER IN MEDIAN	
	+	OM1-2	X							YL	Type 1 Object Marker						7030084								CENTER IN MEDIAN	
	S17660	R2-1 (45)	X					12	7	WH	SPEED LIMIT 45	30	36	7.5	RWM	9	6080005	1	2 1/2S	12						
T-02.04	N17855	R3-5R				X					Right Turn Arrow ONLY						2020153									
		R3-5fP				X					RIGHT LANE						2020153									
	S17880	R3-20R				X					BEGIN RIGHT TURN LANE Arrow						2020153									
	W17900	W1-7	X					12	7	YL	Double-headed Arrow	48	24	8.0	RWM	9	6080005	2	2 1/2S	23	2					
	+	OM1-2	X							YL	Type 1 Object Marker						7030084									
	+	OM1-2	X							YL	Type 1 Object Marker						7030084									
	W17900	W1-7				X					Double-headed Arrow						2020153									
	+	OM1-2				X					Type 1 Object Marker						2020153									
	+	OM1-2				X					Type 1 Object Marker						2020153									
	W17920	R1-1					X				STOP															
	N18010	SPECIAL			X			12	7	WH	ENGINE/EXHAUST	30	24	5.0	RWM	9	6080110	1	2 1/2S	11						
	+										BRAKING / PROHIBITED															
	N18100	W2-2L	X					12	7	YL	Left Side Road Symbol	30	30	6.3	RWM	9	6080005	2	2 1/2T	26	2					
	+	W16-8P	X							YL	Lawrence St	48	12	4.0	RWM	9	6080005									
	N18180	R7-1AZ				X					NO PARKING ANY TIME						2020153									
	N18185	R7-1AZ	X					12	7	WH	NO PARKING ANY TIME	12	18	1.5	RWM	9	6080005	1	2S	11					Arrows pointing Left & Right	

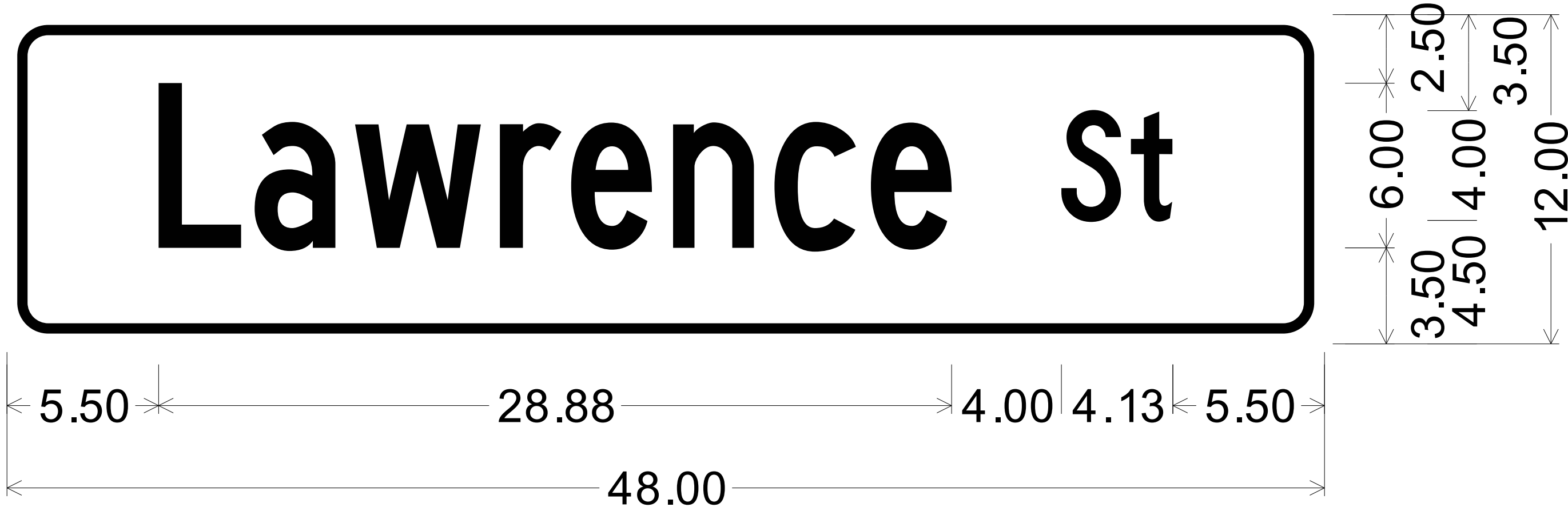
Notes: 1. The Engineer shall verify post lengths and elevations. 2. The Engineer may shift a sign in order to achieve a more desirable location. 3. Quantities are approximate and for the contractor's information only.										Panel Types: RWM: Regulatory, Warning, or Marker F-DA: Flat-sheet aluminum F-Dem: Flat-sheet aluminum with demountable characters					Panel Types: Ext: Aluminum extrusions Incr: Aluminum sheet increment Over: Overhead (New overlaid extrusions)					Background Color Legend: BL - Blue; GR - Green; TQ - Turquoise; YL - Yellow* BR - Brown; RD - Red; WH - White; * All retroreflective sheeting shall be Type IX and XI per ASTM D4956. Yellow signs shall have fluorescent sheeting.					Post Types: S: Single perforated T: Telescoping perforated		Stringer Types: P: Square-tube post T: T-section (WT 3x6)	
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Printed Columns of Sign Summary Sheet																									
Plan Sht No.	Sign Number	MOAS Sign Code	Work					Offset (ft)	Mounting Height (ft)	Background Color	Panel						Ground Mounted					Overhead		Remarks	
			New	Existing													Foundations	Post		New Slipbases	Stringer		Structure Type		Number of Lights
				Replace Panel	Relocate Panel	Modify Legend	Remove				To Remain	Type	Total length (ft)	Type	Total length (ft)										
T-02.04	S18310	W2-2L					X				Legend	Width (in)	Height (in)	Area (sq. ft)	Type	Min Sheeting Type	Bid Item Number		Type	Total length (ft)		Type	Total length (ft)		
(cont.)	+	W16-8P					X				Left Side Road Symbol														
											ASH AVENUE														
	E18510	R1-1					X				STOP														
	S18575	D3-1					X				LAWRENCE ST														
	+	D3-1					X				S THORNTON RD														
	N18630	R7-1AZ				X					NO PARKING ANY TIME						2020153								
	N18640	R7-1AZ	X					12	7	WH	NO PARKING ANY TIME	12	18	1.5	RWM	9	6080005	1	2S	11				Arrows pointing Left & Right	
T-02.05	S19000	W2-2R	X					12	7	YL	Right Side Road Symbol	30	30	6.3	RWM	9	6080005	2	2 1/2T	26	2				
	+	W16-8P	X							YL	Lawrence St	48	12	4.0	RWM	9	6080005								
	S19010	W2-2R				X					Right Side Road Symbol						2020153								
	+	W16-8P				X					Lawrence Street						2020153								
	S19110	R7-1AZ					X				NO PARKING ANY TIME														
	N19110	R7-1AZ				X					NO PARKING ANY TIME						2020153								
	N19110	R7-1AZ	X					12	7	WH	NO PARKING ANY TIME	12	18	1.5	RWM	9	6080005	1	2S	11				Arrows pointing Left & Right	
	S19320	R7-1AZ				X					NO PARKING ANY TIME						2020153								
	N19350	W9-101L	X					12	7	YL	THRU TRAFFIC MERGE LEFT	36	36	9.0	RWM	9	6080005	1	2 1/2T	12	1				
	N19430	R7-1AZ	X					12	7	WH	NO PARKING ANY TIME	12	18	1.5	RWM	9	6080005	1	2S	11				Arrows pointing Left & Right	
	N19430	R7-1AZ					X				NO PARKING ANY TIME														
	S19540	R7-1AZ				X					NO PARKING ANY TIME						2020153								
	S19540	R7-1AZ	X					12	7	WH	NO PARKING ANY TIME	12	18	1.5	RWM	9	6080005	1	2S	11				Arrows pointing Left & Right	
	S19775	R7-1AZ					X				NO PARKING ANY TIME														

Notes: 1. The Engineer shall verify post lengths and elevations. 2. The Engineer may shift a sign in order to achieve a more desirable location. 3. Quantities are approximate and for the contractor's information only.										Panel Types: RWM: Regulatory, Warning, or Marker F-DA: Flat-sheet aluminum F-Dem: Flat-sheet aluminum with demountable characters					Panel Types: Ext: Aluminum extrusions Incr: Aluminum sheet increment Over: Overhead (New overlaid extrusions)					Background Color Legend: BL - Blue; GR - Green; TQ - Turquoise; YL - Yellow* BR - Brown; RD - Red; WH - White; * All retroreflective sheeting shall be Type IX and XI per ASTM D4956. Yellow signs shall have fluorescent sheeting.					Post Types: S: Single perforated T: Telescoping perforated		Stringer Types: P: Square-tube post T: T-section (WT 3x6)	
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Lawrence St

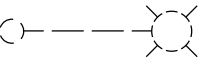
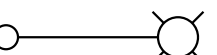


N18100, S19000
1.50" Radius, 0.38" Border, 0.38" Indent, Black on Yellow;
"Lawrence", C 50% spacing; "St", C 50% spacing;

LIGHTING GENERAL NOTES

1. THE LOCATION OF UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE. ALL UTILITIES MAY NOT BE SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE, PER SECTION 730-60 OF THE STANDARD SPECIFICATIONS, FOR CONTACTING ALL UTILITIES FOR EXACT LOCATIONS PRIOR TO CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL CONTACT ARIZONA BLUE STAKE AT LEAST 2 WORKING DAYS PRIOR TO CONSTRUCTION ACTIVITIES.
2. ALL ROADWAY LIGHTING WORK SHALL BE COORDINATED WITH RICARDO CARRANZA 520-560-1726 ; RCARRANZA@CASAGRANDEAZ.GOV
3. ROADWAY LIGHTING POLES SHALL BE PLACED NO CLOSER THAN 4' FROM FACE OF CURB & SHALL NOT BE PLACED UNTIL THE LOCATION IS INSPECTED & APPROVED BY THE ENGINEER.
4. ELECTRICAL WORK SHALL COMPLY WITH THE NATIONAL ELECTRIC CODE (LATEST EDITION), FEDERAL, STATE & LOCAL JURISDICTION CODES.
5. ALL WORK SHALL BE DONE IN A NEAT, WORKMANLIKE, FINISHED & SAFE MANNER ACCORDING TO THE LATEST PUBLISHED NATIONAL ELECTRICAL CONTRACTORS ASSOCIATION STANDARDS OF INSTALLATION UNDER COMPETENT SUPERVISION.
6. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING TO BECOME FAMILIAR WITH EXISTING CONDITIONS & ALL OTHER FACTORS WHICH MAY AFFECT THE EXECUTION OF THIS WORK. THE CONTRACTOR SHALL INCLUDE ALL RELATED COSTS IN THE INITIAL BID PROPOSAL.
7. PROPER PROTECTION OF THE CONSTRUCTION AREA FOR SAFETY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. COVER ALL TRENCHES AT THE END OF EACH WORK DAY. BARRICADES SHALL BE INSTALLED AS DIRECTED BY THE ENGINEER. THE SITE & ALL WORK SHALL CONFORM TO OSHA REQUIREMENTS.
8. THE CONTRACTOR SHALL PAY FOR PERMITS & INSPECTIONS AS MAY BE REQUIRED & PROVIDE A CERTIFICATE OF INSPECTION TO THE OWNER.
9. THE CONTRACTOR SHALL PROTECT ALL MATERIAL & EQUIPMENT INSTALLED AGAINST DAMAGE BY OTHER TRADES, WEATHER CONDITIONS OR ANY OTHER CAUSES. EQUIPMENT FOUND DAMAGED OR IN OTHER THAN NEW CONDITION WILL BE REJECTED AS DEFECTIVE. ALL COMPONENTS SHALL BE FREE OF DUST, GRIT & FOREIGN MATERIALS & LEFT AS NEW BEFORE FINAL ACCEPTANCE OF WORK.
10. IT IS THE OBLIGATION OF THE CONTRACTOR TO ORGANIZE HIS WORK SO THAT A COMPLETE ELECTRICAL INSTRUMENTATION &/OR CONTROL SYSTEM FOR THE FACILITY WILL BE PROVIDED & SUPPORTED BY ACCURATE SHOP & RECORD DRAWINGS & ALL O&M MANUALS.
11. ALL CIRCUITS SHALL BE LEGIBLY IDENTIFIED AT THE PANEL, JUNCTION BOXES & AT ALL EQUIPMENT IN A PERMANENT MANNER (IE ETCHED PLATES, CONDUCTOR TAG, PERMANENT MARKER, ETC) THE LABELING SHALL INCLUDE PANEL CIRCUIT NUMBER, "TO" & "FROM" IDENTIFICATION & MARKED "SPARE" WHERE APPLICABLE.
12. CONDUITS OR RACEWAYS INSTALLED IN AREAS WHERE ELEVATION CHANGES MAY CAUSE WATER OR MOISTURE TO ENTER THE ELECTRICAL EQUIPMENT THROUGH THE CONDUIT SHALL BE SEALED WITH A HERMETIC CONDUIT SEAL AT BOTH ENDS OF THE CONDUIT OR RACEWAY.
13. THE CONTRACTOR SHALL FIELD-VERIFY ALL POLE LOCATIONS, ORIENTATIONS AND ELEVATIONS WITH THE ENGINEER PRIOR TO DRILLING POLE FOUNDATIONS AND ASSOCIATED CONSTRUCTION ACTIVITIES
14. SEE STREETLIGHT TECHNICAL MANUAL SUPPLEMENT TO MESA STANDARD DETAILS, 2024 FOR DESIGN DETAILS FOR 300 SERIES DAVIT STREETLIGHT POLES AND FOUNDATIONS (WWW.MESAAZ.GOV/RESIDENTS/TRANSPORTATION). SEE CHANDLER SPECIFICATIONS & STANDARD DETAILS (SUPPLEMENT TO MAG), 2025 FOR DESIGN DETAILS FOR CHANDLER LIGHT POLES AND FOUNDATIONS.

15. THE PLANS DEPICT PULL BOX LOCATIONS IN SCHEMATIC FORM ONLY. THE CONTRACTOR SHALL DETERMINE FINAL LOCATIONS BASED ON ACTUAL FIELD CONDITIONS AT THE TIME OF CONSTRUCTION INCLUDING ARIZONA 811 MARKING, 811 OR WWW.ARIZONA811.COM, IN ORDER TO ENSURE NO CONFLICTS WITH EXISTING UTILITIES. PULL BOXES SHALL BE INSTALLED WITHIN AVAILABLE RIGHT-OF-WAY, PLACEMENT OF PULL BOXES IN LOW-LYING LOCATIONS WITH POOR DRAINAGE SHALL BE AVOIDED.
16. VOIDS RESULTING FROM ENTRANCE OF CONDUIT INTO PULL BOX SHALL BE COMPLETELY FILLED WITH HYDRAULIC CEMENT GROUT OR DUCT SEALANT.
17. CONDUIT ENTRANCES SHALL BE AS SHOWN ON THE ADOT ITS STANDARD DRAWINGS. CONDUITS IN PULL BOXES SHALL EXTEND INTO THE PULL BOX A MAXIMUM OF 5 INCHES BEYOND THE INSIDE WALL OF THE PULL BOX.
18. COMPACTION AROUND PULL BOXES SHALL NOT SUBJECT THE PULL BOX TO MORE THAN 400 LBS PER SQUARE FOOT OF LATERAL PRESSURE.
19. THE CONTRACTOR SHALL REPLACE PULL BOXES DAMAGED BY EXCESSIVE FORCES DURING INSTALLATION AT NO ADDITIONAL COST TO THE DEPARTMENT.
20. ALL NON-METALLIC CONDUIT ENTERING INTO PULL BOXES SHALL HAVE A BELL-END TO PROTECT THE CONDUCTOR OR FIBER OPTIC CABLE FROM DAMAGE.
21. EXACT CONDUIT ROUTE TO BE VERIFIED WITH THE ENGINEER PRIOR TO PLACEMENT TO ACCOUNT FOR FIELD CONDITIONS. ALL CONDUIT, COMMUNICATION AND ELECTRICAL CABLE SHALL BE INSTALLED ACCORDING TO NATIONAL ELECTRIC CODE (NEC) REQUIREMENTS.
22. CONDUITS SHALL BE CAPPED OR SEALED USING A METHOD RECOMMENDED BY THE CONDUIT MANUFACTURER TO PREVENT INTRUSION OF WATER, MUD, GRAVEL AND RODENTS. DUCT TAPE OR SIMILAR MATERIAL SHALL NOT BE USED FOR SEALING CONDUIT ENDS.
23. CONDUIT LENGTHS PROVIDED IN BID ITEM 7320260 INCLUDES CONNECTION FROM PULL BOX TO LIGHTPOLE.
24. PULL BOXES (APS J-BOX) WILL BE PROVIDED BY APS. CONTRACTOR WILL INSTALL J-BOXES. CONTRACTOR SHALL INSTALL J-BOXES WITHIN 5' OF LIGHTPOLE.
25. APS WILL PROVIDE AND INSTALL CONDUCTOR.
26. CONTRACTOR WILL FURNISH AND INSTALL NEW CONDUIT

LEGEND	
	PULL BOX PER APS SPECIFICATIONS
	EXST STREET LIGHT
	STREET LIGHT POLE REFER TO POLE SCHEDULE
	A=POLE NUMBER B=CIRCUIT NUMBER REFER TO POLE SCHEDULE

	DESIGN	NAME	DATE	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION TRAFFIC DESIGN SECTION	ROUTE	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. 0000 PN CG	FEDERAL ID NO. CSG-0(214)T	SHEET NO. 53	TOTAL SHEETS 72	RECORD DRAWING
	DRAWN	SBN	05/26									
	CHECKED	SBN	05/26									
		LIGHTING GENERAL NOTES			STRUCTURE NO.	THORNTON ROAD; SR84 - PETERS RD			SHEET T-05.01			
			TRACS NO. T0530 01C			____ OF ____						

POLE SCHEDULE											
POLE NO	STATION	OFFSET	CIRCUIT	POLE TYPE WITH	LIGHTING MAST ARM	LUMINAIRE					
				FOUNDATION	(RISE X LENGTH)	# OF LUMINAIRES	TYPE	WATT	LUMENS	DIST TYPE	COLOR
1	157+50	0'	1	CHANDLER SL-1 ARTERIAL/MAJOR COLLECTOR WITH MEDIAN (DTL C-751-1, C-751-2, C-751-3)	DOUBLE DAVIT ARM	2	LED	159	24,090	III	3000k
2	159+70	0'	1	CHANDLER SL-1 ARTERIAL/MAJOR COLLECTOR WITH MEDIAN (DTL C-751-1, C-751-2, C-751-3)	DOUBLE DAVIT ARM	2	LED	159	24,090	III	3000k
3	161+90	0'	1	CHANDLER SL-1 ARTERIAL/MAJOR COLLECTOR WITH MEDIAN (DTL C-751-1, C-751-2, C-751-3)	DOUBLE DAVIT ARM	2	LED	159	24,090	III	3000k
4	164+10	0'	1	CHANDLER SL-1 ARTERIAL/MAJOR COLLECTOR WITH MEDIAN (DTL C-751-1, C-751-2, C-751-3)	DOUBLE DAVIT ARM	2	LED	159	24,090	III	3000k
5	166+30	0'	1	CHANDLER SL-1 ARTERIAL/MAJOR COLLECTOR WITH MEDIAN (DTL C-751-1, C-751-2, C-751-3)	DOUBLE DAVIT ARM	2	LED	159	24,090	III	3000k
6	168+45	0'	1	CHANDLER SL-1 ARTERIAL/MAJOR COLLECTOR WITH MEDIAN (DTL C-751-1, C-751-2, C-751-3)	DOUBLE DAVIT ARM	2	LED	159	24,090	III	3000k
7	172+35	39' Lt	1	MESA 300 SERIES DAVIT POLE TYPE P-309 (DTL SL-73.03.1, SL-73.03.2, SL-73.03.3)	20' x 20' DAVIT	1	LED	159	24,090	III	3000k
8	175+00	0'	1	CHANDLER SL-1 ARTERIAL/MAJOR COLLECTOR WITH MEDIAN (DTL C-751-1, C-751-2, C-751-3)	DOUBLE DAVIT ARM	2	LED	159	24,090	III	3000k

APPROVED LED FIXTURES		
AUTOBAHN ATB0-P453-MVOLT-R3-3K	RVM-160W144LED3K-G2	STL4-50-150W-30K-480V

ITEM NO	DESCRIPTION	QTY	UNIT
7310190	POLE (CHANDLER DTL C-751-1 ARTERIAL/MAJOR COLLECTOR WITH MEDIAN)	7	EACH
7310191	POLE (MESA 300 SERIES DAVIT POLE TYPE P-309)	1	EACH
7310371	POLE FOUNDATION (CHANDLER DTL C-751-1)	7	EACH
7310372	POLE FOUNDATION (MESA 300 SERIES DAVIT POLE FOUNDATION F-103)	1	EACH
7310650	MAST ARM (CHANDLER DTL C-751-2 DOUBLE DAVIT ARM)	7	EACH
7320260	ELECTRIC CONDUIT (2 1/2")	2044	L. FT.
7320420	PULL BOX (NO. 7)	1	EACH
7320456	PULL BOX (INSTALLATION ONLY)	8	EACH
7360104	LUMINAIRE (SPECIAL)	15	EACH

NOTES

1. THE POLE DESIGN, MATERIALS, AND CONSTRUCTION SHALL CONFORM TO AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINARIES, AND TRAFFIC SIGNALS, BASED ON A WIND SPEED OF 80 MILES PER HOUR.

2. THE POLE AND ALL POLE PARTS SHALL BE STEEL.

3. THE POLE AND ALL POLE PARTS SHALL BE HOT DIPPED GALVANIZED PER M.A.G. STANDARD 771.

4. UNSTABLE SOIL MAY REQUIRE DEEPER FOUNDATION, AS DETERMINED BY THE ENGINEER.

5. THE 1 1/4" ANCHOR BOLT SHALL HAVE A LENGTH DETERMINED BY THE DEPTH OF THE FOUNDATION, AND SHALL EXTEND TO 6" +OR- 1" FROM THE BOTTOM OF THE FOUNDATION. (P-305, P-306, P-310, AND P-311 REQUIRES 44" ANCHOR BOLTS) SL-74.01.

6. ANCHOR BOLTS WITH (4) HEX NUTS, (2) FLAT WASHERS, AND (1) ANCHOR PLATE PER BOLT SHALL BE HOT DIPPED GALVANIZED PER M.A.G. STANDARD 771 SL-74.01.

7. ANCHOR BOLTS SHALL HAVE 1/4" TO 3/4" FULL THREAD ABOVE NUT SL-74.01.

8. CONDUIT SHALL PROJECT A MINIMUM OF 2" ABOVE THE FOUNDATION. MAXIMUM PROJECTION SHALL BE 4".
9. 3'-0" SQUARE, 4" THICK TROWELED FINISH SMOOTH CONCRETE CAP WITH 1/2" ROUND EDGE (2'-0" SQUARE FOR P-301, P-302, P-307 AND P-313). POURED SEPARATELY FROM FOUNDATION.

10. FOUNDATION SHALL BE CLASS A CONCRETE PER M.A.G. STANDARD 725.

11. FOUNDATION GROUND SHALL BE #6 X-HW GREEN INSULATED COPPER STRANDED GROUNDING WIRE.

12. FOUNDATION SHALL HAVE 14" COPPER GROUND PLATE PER COM DETAIL SL-74.02.

13. P-305, P-306, P-310, AND P-311 FOUNDATIONS SHALL REQUIRE 8 EA. (#7 X 7'- 4") VERTICAL BARS, WITH 3/8" ROUND COLD DRAWN STEEL WIRE SPIRAL CAGE WITH A 3" PITCH. THE PIPE ON EACH SIDE OF A CIRCUMFERENTIAL WELD SHALL HAVE THE SAME OUTSIDE DIAMETER AT THE WELD.

15. A STAINLESS STEEL TAG SHALL BE PERMANENTLY ATTACHED TO THE POLE ABOVE THE HAND HOLE STATING THE MANUFACTURER'S NAME, C.O.M. POLE #, AND DATE MANUFACTURED.

16. A METAL TAG SHALL BE PERMANENTLY ATTACHED ON THE BOTTOM OF THE MAST ARM NEAR THE BASE STATING THE MANUFACTURER'S NAME, C.O.M. POLE #, AND DATE MANUFACTURED.

DATA TABLE

POLE #	VERT. DIM.	HOR. DIM.	DEGREE OF BEND	START OF BEND	RADIUS	HGT. AFTER BEND	O.D. AT BASE	FNDN. DEPTH	FNDN. WIDTH	FNDN. TYP.	BOLT CIRCLE	SQUARE	PLATE	ANCHOR BOLT DIAMETER
-	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"	"J"		"K"	"L"	"M"	"N"
P-301	25'-0"	8'-0"	45°	17'-4"	26 1/2"	18'-3"	6 3/4"	6'-0"	2'-0"	F-104	10 1/2"	11 1/2"	3/4"	1"
P-302	30'-0"	13'-3"	45°	17'-9"	26 1/2"	18'-10"	6 11/16"	6'-0"	2'-0"	F-104	10 1/2"	11 1/2"	3/4"	1"
P-303	40'-0"	18'-0"	45°	21'-6"	26 1/2"	23'-9"	8 7/16"	6'-0"	3'-0"	F-103	12 1/2"	13 1/2"	1 1/4"	1 1/4"
P-304	40'-0"	20'-0"	45°	19'-6"	26 1/2"	21'-8"	8 3/16"	6'-0"	3'-0"	F-103	12 1/2"	13 1/2"	1 1/2"	1 1/4"
P-305*	45'-0"	18'-0"	45°	26'-6"	26 1/2"	28'-9"	9 1/8"	8'-0"*	3'-0"	F-101	12 1/2"	13 1/2"	1 1/2"	1 1/4"
P-306*	45'-0"	20'-0"	45°	24'-6"	26 1/2"	26'-8"	8 7/8"	8'-0"*	3'-0"	F-101	12 1/2"	13 1/2"	1 1/2"	1 1/4"
P-307	30'-0"	13'-3"	55°	11'-7"	30"	13'-7"	6 11/16"	6'-0"	2'-0"	F-104	10 1/2"	11 1/2"	3/4"	1"
P-313	35'-0"	15'-0"	55°	14'-8"	30"	15'-9"	7 1/2"	6'-0"	2'-0"	F-104	10 1/2"	11 1/2"	1"	1"
P-308	40'-0"	18'-0"	55°	13'-6"	30"	16'-0"	8"	6'-0"	3'-0"	F-103	12 1/2"	13 1/2"	1 1/2"	1 1/4"
P-309	40'-0"	20'-0"	55°	11'-9"	30"	13'-2"	7 7/8"	6'-0"	3'-0"	F-103	12 1/2"	13 1/2"	1 1/2"	1 1/4"
P-310*	45'-0"	18'-0"	55°	19'-6"	30"	21'-0"	8 5/8"	8'-0"*	3'-0"	F-101	12 1/2"	13 1/2"	1 1/2"	1 1/4"
P-311*	45'-0"	20'-0"	55°	16'-9"	30"	18'-2"	8 1/4"	8'-0"*	3'-0"	F-101	12 1/2"	13 1/2"	1 1/2"	1 1/4"

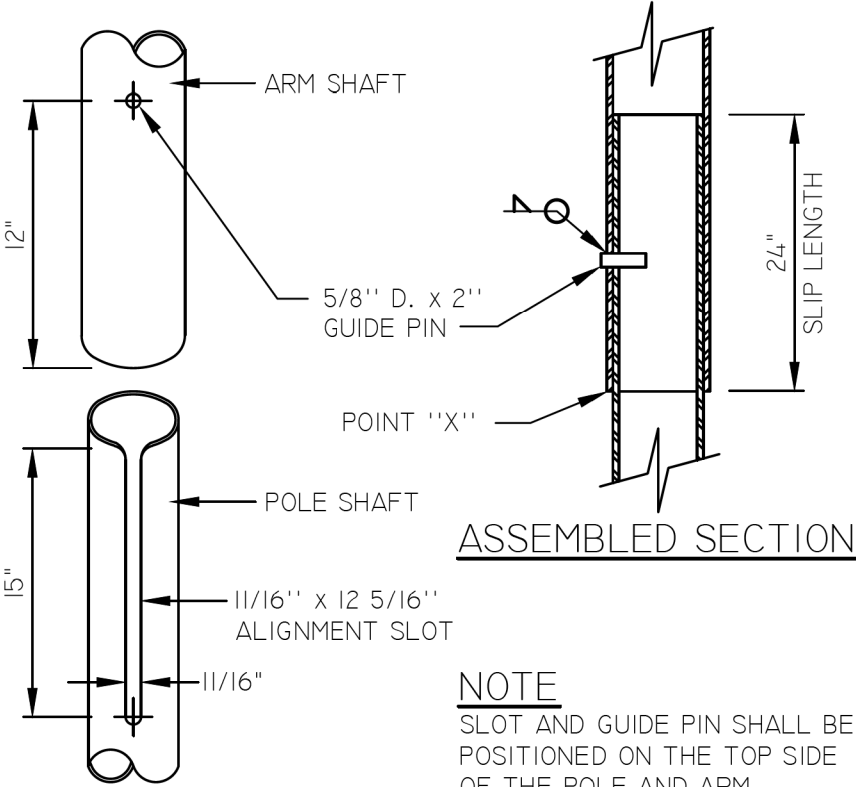
*NOTES: 1. P-305, P-306, P-310, AND P-311 REQUIRES STEEL CAGE PER NOTE 13.
2. P-301 SHALL BE USED FOR REPLACEMENT AND ONLY TO MATCH EXISTING STREETLIGHT POLES. FOUNDATIONS SEE SL-74.03.

THICKNESS OF FILLER RING (IF NEEDED) TO MATCH DIFFERENCE IN TAPERED TUBE THICKNESS x 1 1/2" WIDE

.135" THK. (10 GAUGE) x 3" WIDE BACK-UP RING

SECTION

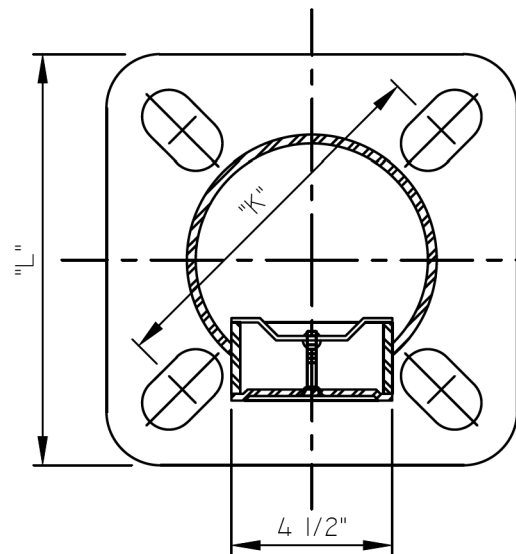
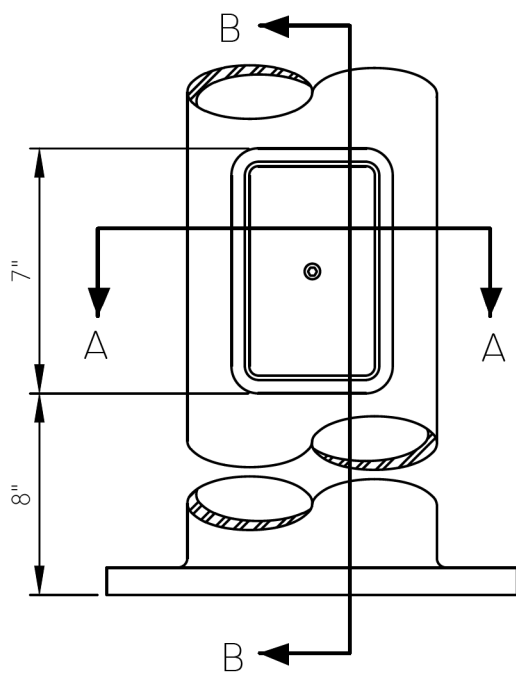
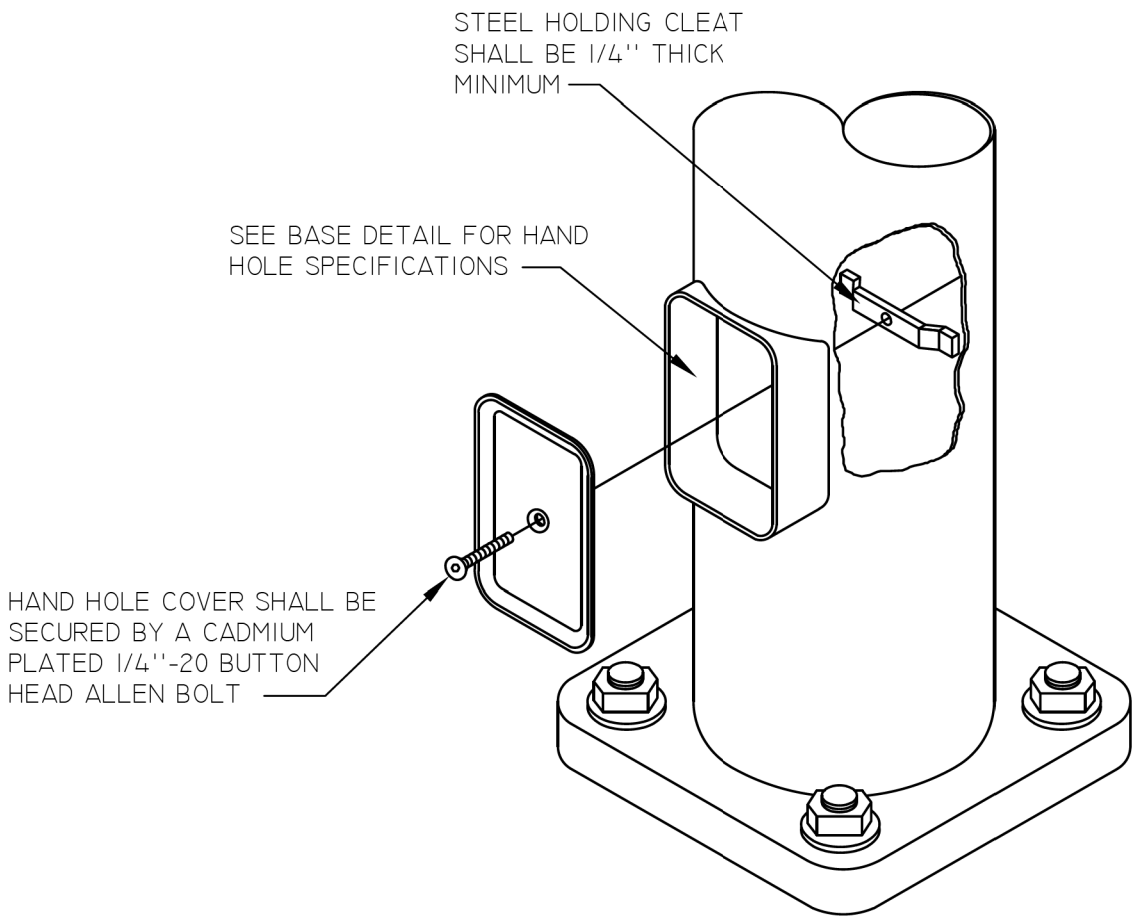
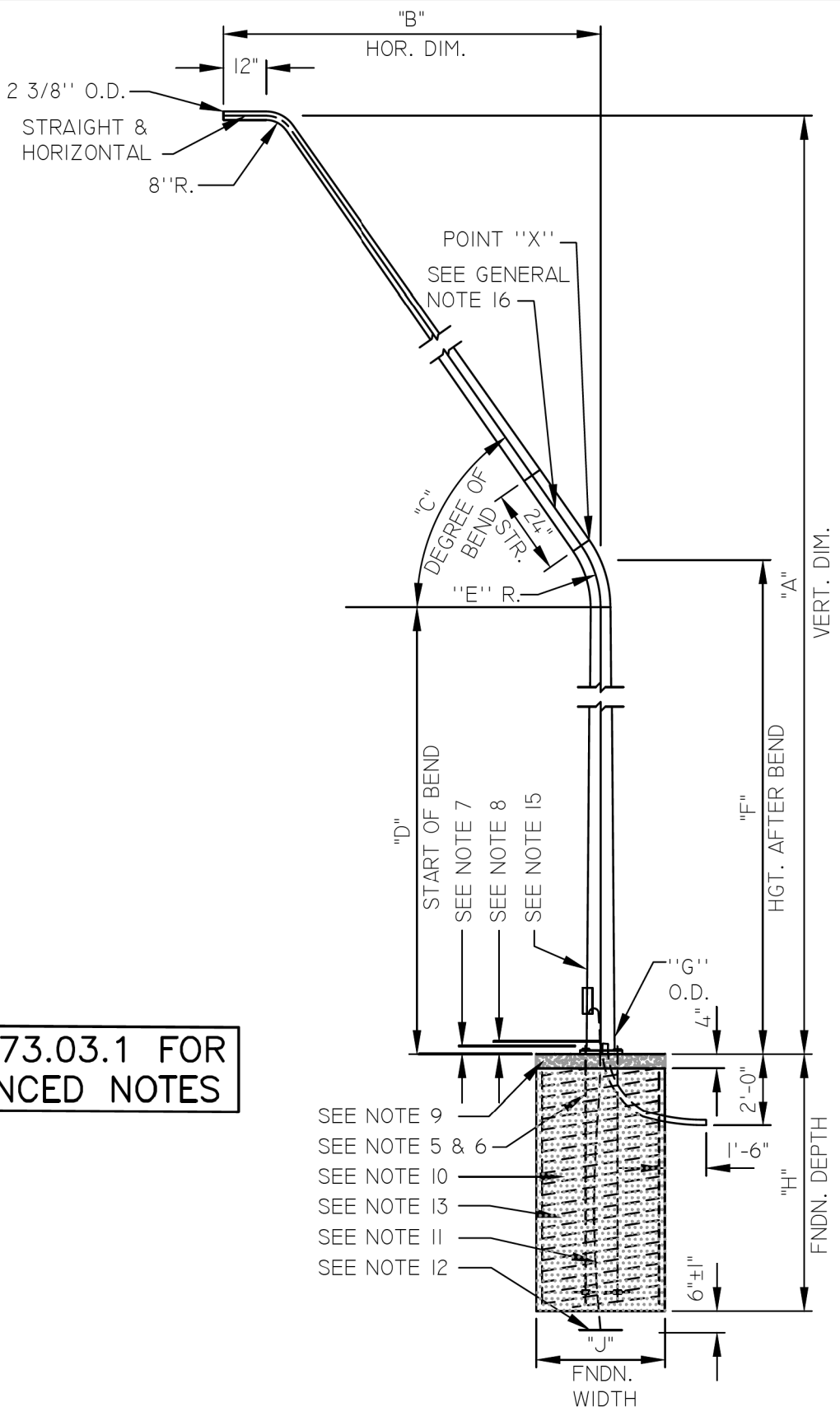
SPLICE DETAIL



SLIP JOINT MAST ARM ATTACHMENT

NOTES

1. ALL BUTT WELDS TO BE GROUND FLUSH.
2. LONGITUDINAL: BUTT WELD BY THE SUBMERGED ARC PROCESS
3. CIRCUMFERENTIAL: BUTT WELD WITH PERMANENT BACK-UP RING



BASE DETAIL

NOTES

1. HAND HOLE COVER SHALL BE SECURED BY A CADMIUM PLATED 1/4"-20 BUTTON HEAD ALLEN BOLT AND HOLDING CLEAT.
2. POLE GROUND SHALL BE 1/2" DIA. N.C. TAPPED HOLE LOCATED AS SHOWN.
3. HAND HOLE SHALL BE ORIENTED SO THAT IT IS ALIGNED WITH THE MAST ARM.
4. HAND HOLE DIMENSIONS SHALL BE 4" X 6 1/2".
5. HAND HOLE COVER DIMENSIONS SHALL BE 4 1/2" X 7".
6. HAND HOLE DIMENSIONS FOR P-301, P-302, AND P-307 SHALL BE 3 5/8" X 5 1/2".
7. SLOT LENGTH OF BASE PLATE EQUALS ANCHOR BOLT DIA. PLUS 1/2" ON BOTH SIDES OF ANCHOR BOLT.

NOT TO SCALE



	NAME	DATE
DESIGN	SBN	05/26
DRAWN	BLJ	05/26
CHECKED	SBN	05/26



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

LIGHTING DETAILS

ROUTE

MILEPOST

STRUCTURE NO.

300 SERIES DAVIT STREETLIGHT POLE

SHEET NO.
SL-73.03.3

F.H.W.A. Arizona Division

STATE

ARIZ.

PROJECT NO.

0000 PN CG

FEDERAL ID NO.

CSG-0(214)T

SHEET NO.

56

TOTAL SHEETS

72

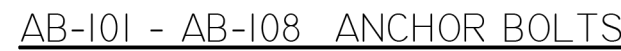
RECORD DRAWING

LOCATION
THORNTON ROAD; SR84 - PETERS RD

TRACS NO. T0530 01C

SHEET T-05.04

OF



ANCHOR BOLT SHALL BE
CENTERED IN PLATE

HEX NUT

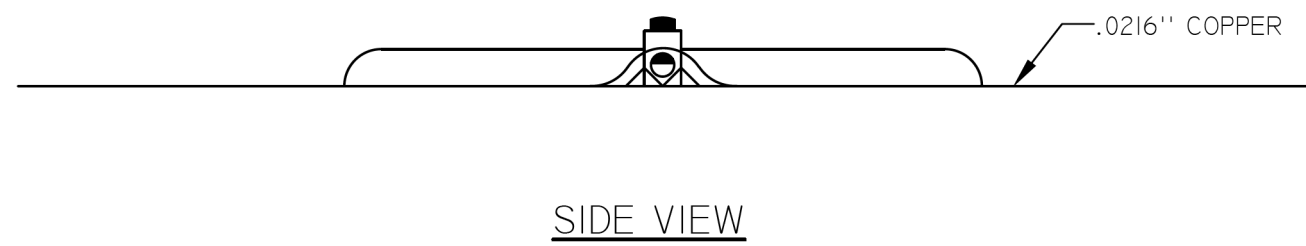
7/8" x 3 1/2" x 3 1/2"
ANCHOR PLATE

3 1/2"

ANCHOR PLATE PLAN

1. THE ANCHOR BOLT AND PARTS SHALL BE IN ACCORDANCE WITH ASTM A-36, OR A-307.
2. THE ANCHOR BOLT SHALL HAVE A MINIMUM THREAD LENGTH OF 6" AT EACH END.
3. THE ANCHOR BOLT AND PARTS SHALL BE HOT DIPPED GALVANIZED PER MAG STD. 771 AFTER FABRICATION AND THREADING.
4. THE ANCHOR BOLT SHALL BE FURNISHED WITH (4) HEX NUTS, (2) FLAT WASHERS, AND (1) ANCHOR PLATE PER BOLT.

NOT TO SCALE



G-101 COPPER GROUNDING PLATE

1. ALL POLE FOUNDATIONS SHALL HAVE A 1/4" COPPER GROUNDING PLATE SL-74.03 6" BELOW BOTTOM OF POLE FOUNDATION.
2. THE GROUNDING WIRE IN THE CONCRETE FOUNDATION, SHALL BE A 6" STRANDED AND GREEN INSULATED WITH XHHW INSULATION.

NOT TO SCALE



1. ALL POLE FOUNDATIONS SHALL HAVE A 1/2" COPPER GROUNDING PLATE 5L-74.02 6" BELOW BOTTOM OF POLE FOUNDATION.
2. ALL FINISHED POLE FOUNDATIONS SHALL BE AT SIDEWALK GRADE, UNLESS OTHERWISE NOTED.
3. ALL 45 DEGREE AND 90 DEGREE BENDS FOR CONDUIT SHALL HAVE A RADIUS OF NOT LESS THAN 18" (FACTORY BENDS ONLY SHALL BE USED).
4. UNDERGROUND WIRING CIRCUITS SHALL BE INSTALLED IN SCHEDULE 40 RIGID P.V.C. CONDUIT. IT SHALL BE U.L. APPROVED FOR ABOVE GROUND AND UNDERGROUND USE. 1/2" DEGREE 1/2" WIRE. MINIMUM DEPT. FROM TOP OF CURB TO TOP OF CONDUIT SHALL NOT BE LESS THAN 24" UNLESS OTHERWISE SPECIFIED.
5. INSPECTION BY ENGINEERING INSPECTOR SHALL BE REQUESTED BY THE ELECTRICAL CONTRACTOR WHEN THE POLE FOUNDATIONS ARE DUG, ANCHOR BOLTS, GROUND WIRE, AND GROUNDING PLATE ARE READY AND IN PLACE, PRIOR TO POURING CONCRETE.

12. CONCRETE CAP POURED SEPARATE FROM FOUNDATION
6. WHILE CONCRETE FOUNDATIONS ARE POURED THEY SHALL BE VIBRATED WITH A MECHANICAL VIBRATOR.
7. POLE FOUNDATIONS SHALL CURE FOR 72-HOURS BEFORE INSTALLING LIGHT POLES.
8. IN IRRIGATED AREAS, POLES AND PULL BOXES SHALL BE INSTALLED IN SUCH A MANNER THAT THEY ARE KEPT OUT OF DIRECT CONTACT WITH IRRIGATION WATER.
9. IN AREAS THAT SLOPE AWAY FROM THE SIDEWALK, CURB OR ROADWAY, THE GRADE AROUND THE POLES SHALL BE SUCH THAT SIDEWALK, CURB, OR ROADWAY CAN BE USED AS THE GRADE CONTROL POINT FOR THE POLE FOUNDATION ELEVATION.
10. UNSTABLE SOIL MAY REQUIRE DEEPER FOUNDATIONS AS DETERMINED BY THE ENGINEER.
11. CONCRETE FOUNDATION SHALL BE A CONTINUOUS POUR.

- ① 3'-0" SQUARE, 4" THICK TROWELED FINISH SMOOTH CONCRETE CAP WITH 1/2" ROUND EDGE.
- * ② 2'-0" SQUARE, 4" THICK TROWELED FINISH SMOOTH CONCRETE CAP WITH 1/2" ROUND EDGE.
- ③ 1-1/2" SCHEDULE 40 P.V.C., 90 DEGREE BEND CONDUIT WITH A RADIUS OF NOT LESS THAN 18" (FACTORY BENDS ONLY SHALL BE USED). CONDUIT SHALL PROJECT A MINIMUM OF 2" ABOVE THE FOUNDATION. MAXIMUM PROJECTION SHALL BE 4" (FOR CP POLE SEE NOTE 10).
- ④ ANCHOR BOLTS WITH 4 HEX NUTS, AND 2 FLAT WASHERS AND 1 ANCHOR PLATE BOLT SHALL BE HOT DIPPED GALVANIZED PER M.A.G. STANDARD 771. SEE DATA TABLE ON POLE SPECIFICATION FOR SIZE, PROJECTION ABOVE FOUNDATION, AND BOLT CIRCLE.
- ⑤ CLASS A CONCRETE PER M.A.G. STANDARD 725.
- ⑥ FOUNDATION SHALL REQUIRE 8 EA. (#7 X 7'-4") VERTICAL BARS, WITH 3/8" ROUND COLD DRAWN STEEL WIRE SPIRAL CAGE WITH A 3" PER FOOT PITCH.
- ⑦ THE GROUNDING WIRE IN THE CONCRETE FOUNDATION, SHALL BE A #6 STRANDED AND GREEN INSULATED WITH XHHW INSULATION.
- ⑧ 1/4" COPPER GROUNDING PLATE SL-74.02.
- ⑨ 4" CAP TO BE GROUNDING CLASS B CONCRETE PER M.A.G. STANDARD 725.
- ⑩ A MINIMUM OF 1-1/2" CONDUIT SHALL BE USED. NOT TO SCALE

NOT TO SCALE



	NAME	DATE
DESIGN	SBN	05/20
DRAWN	BLJ	05/20
CHECKED	SBN	05/20



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

LIGHTING DETAILS

ROUTE

MILEPOST

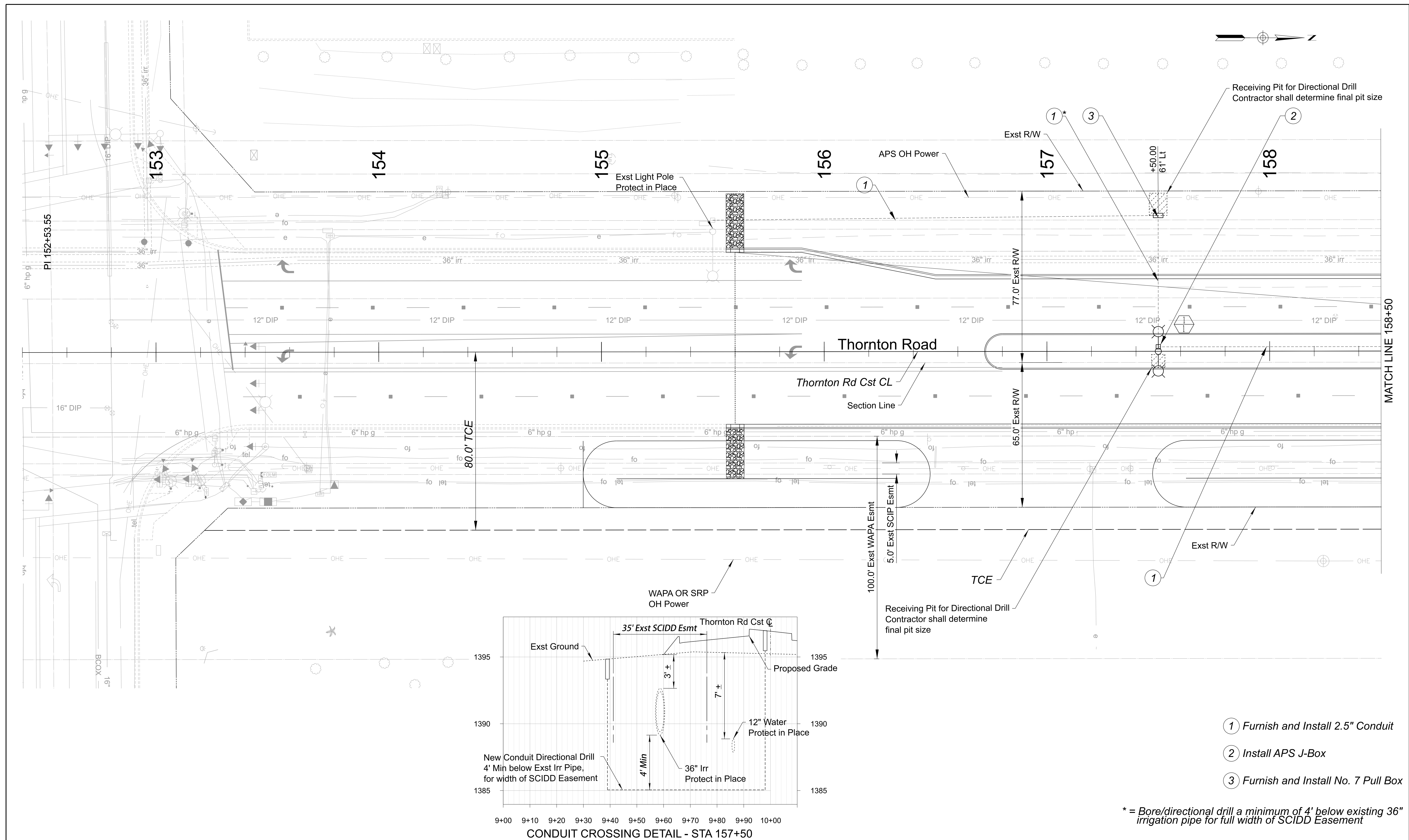
STRUCTURE NO.



STREETLIGHT FOUNDATION

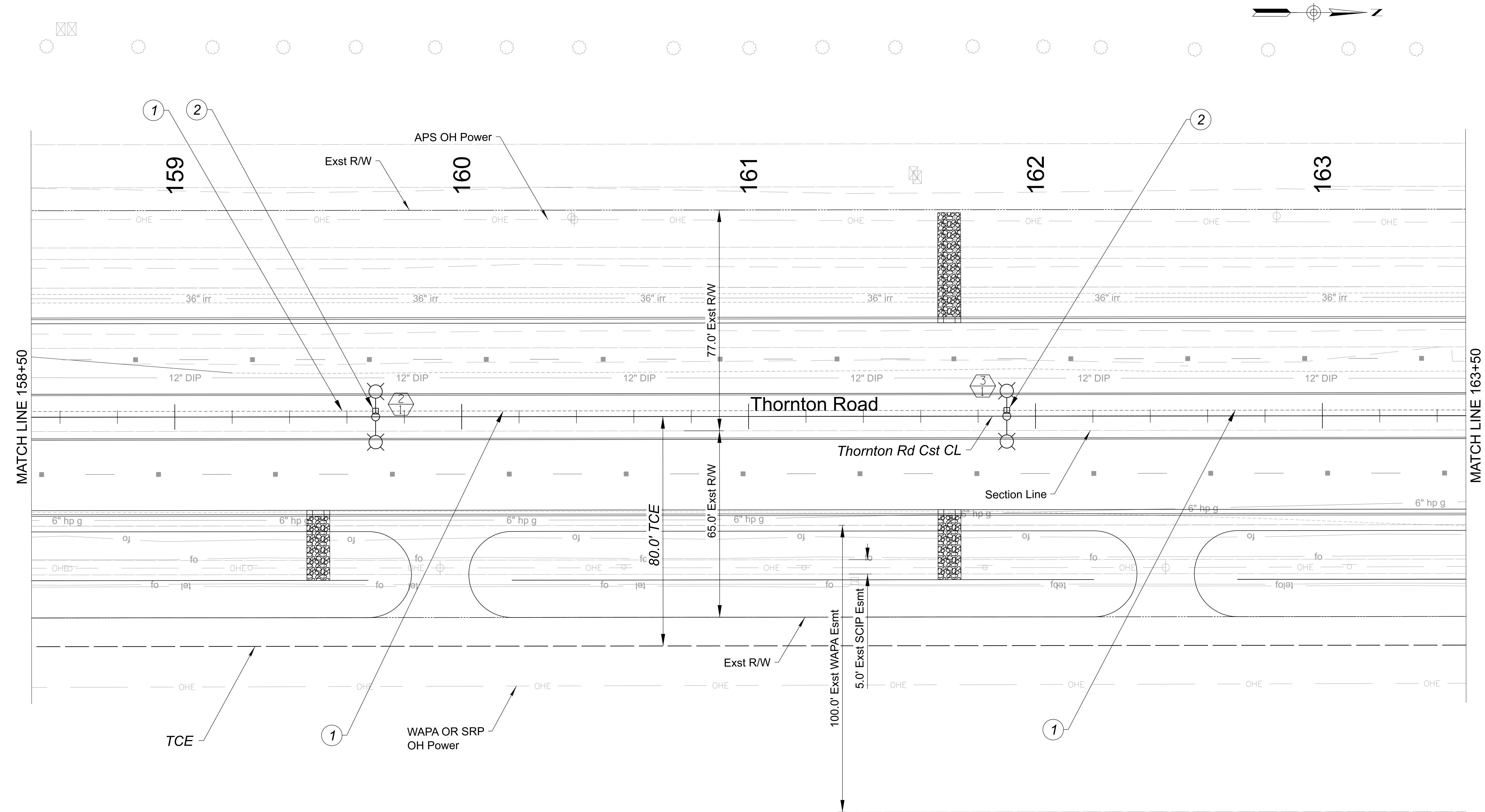
SHEET NO.
SL-74.03

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
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LOCATION					THORNTON ROAD; SR84 - PETERS RD	
					SHEET	T-05.05
TRACS NO. T0530 01C					OF	

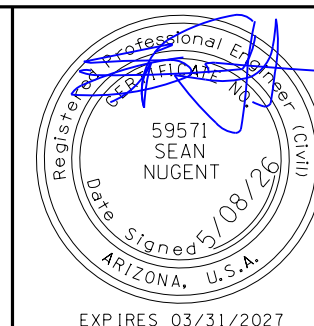


- ① Furnish and Install 2.5" Conduit
- ② Install APS J-Box
- ③ Furnish and Install No. 7 Pull Box

* = Bore/directional drill a minimum of 4' below existing 36" irrigation pipe for full width of SCIDD Easement



- ① Furnish and Install 2.5" Conduit
- ② Install APS J-Box

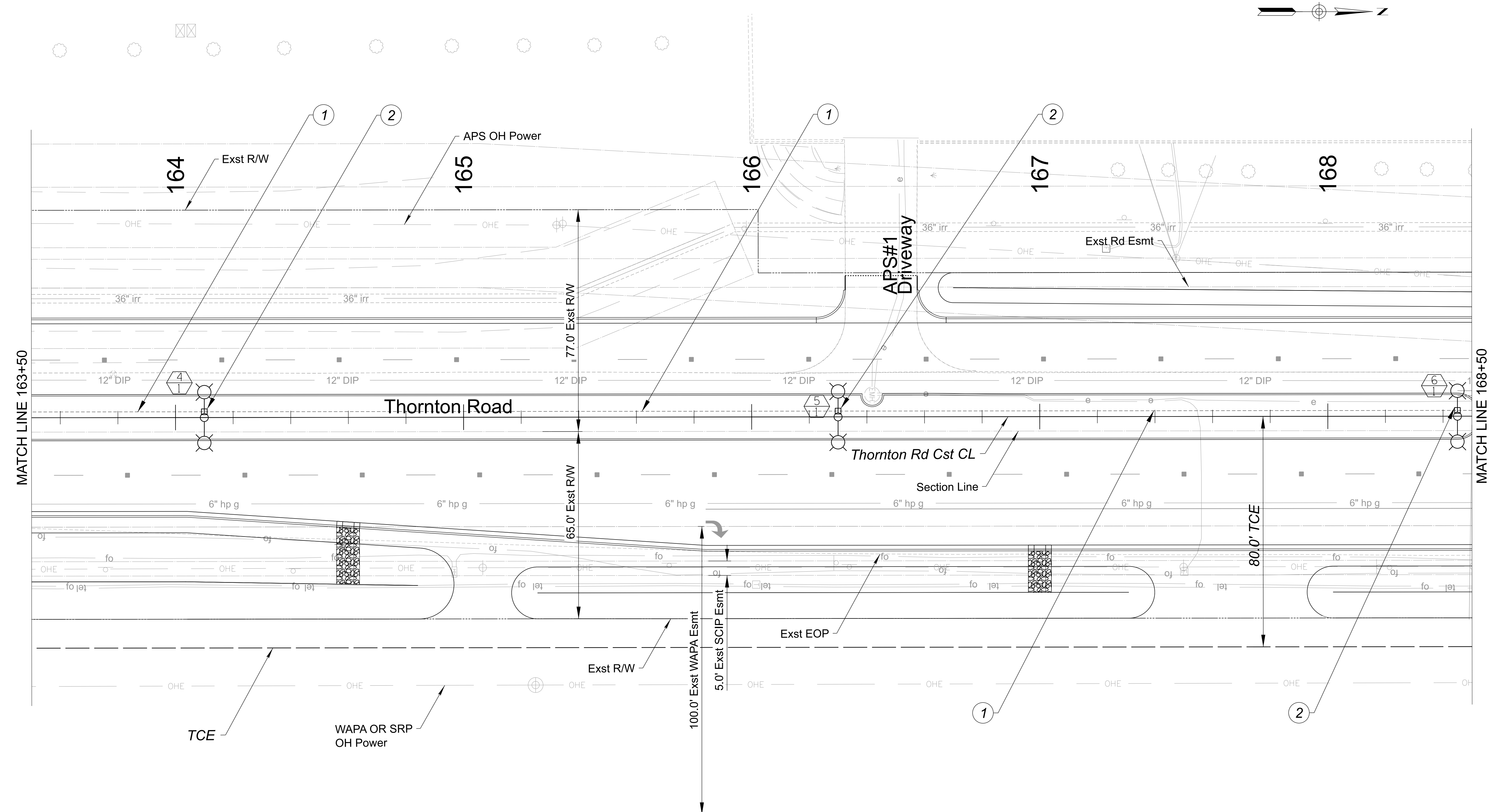


	NAME	DATE
DESIGN	SBN	05/26
DRAWN	BLJ	05/26
CHECKED	SBN	05/26

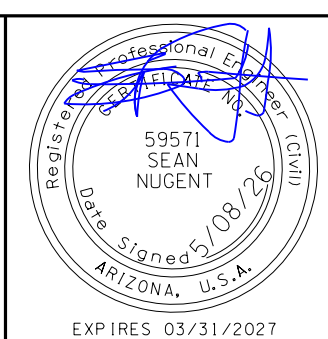
Horrocks.

ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION TRAFFIC DESIGN SECTION	ROUTE
LIGHTING PLAN THORNTON ROAD STA 158+50 TO 163+50	MILEPOST
	STRUCTURE NO.

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	0000 PN CG	CSG-0(214)T	59	72		
LOCATION						SHEET T-06.02
THORNTON ROAD; SR84 - PETERS RD						
TRACS NO. T0530 01C						
						OF



- ① Furnish and Install 2.5" Conduit
- ② Install APS J-Box



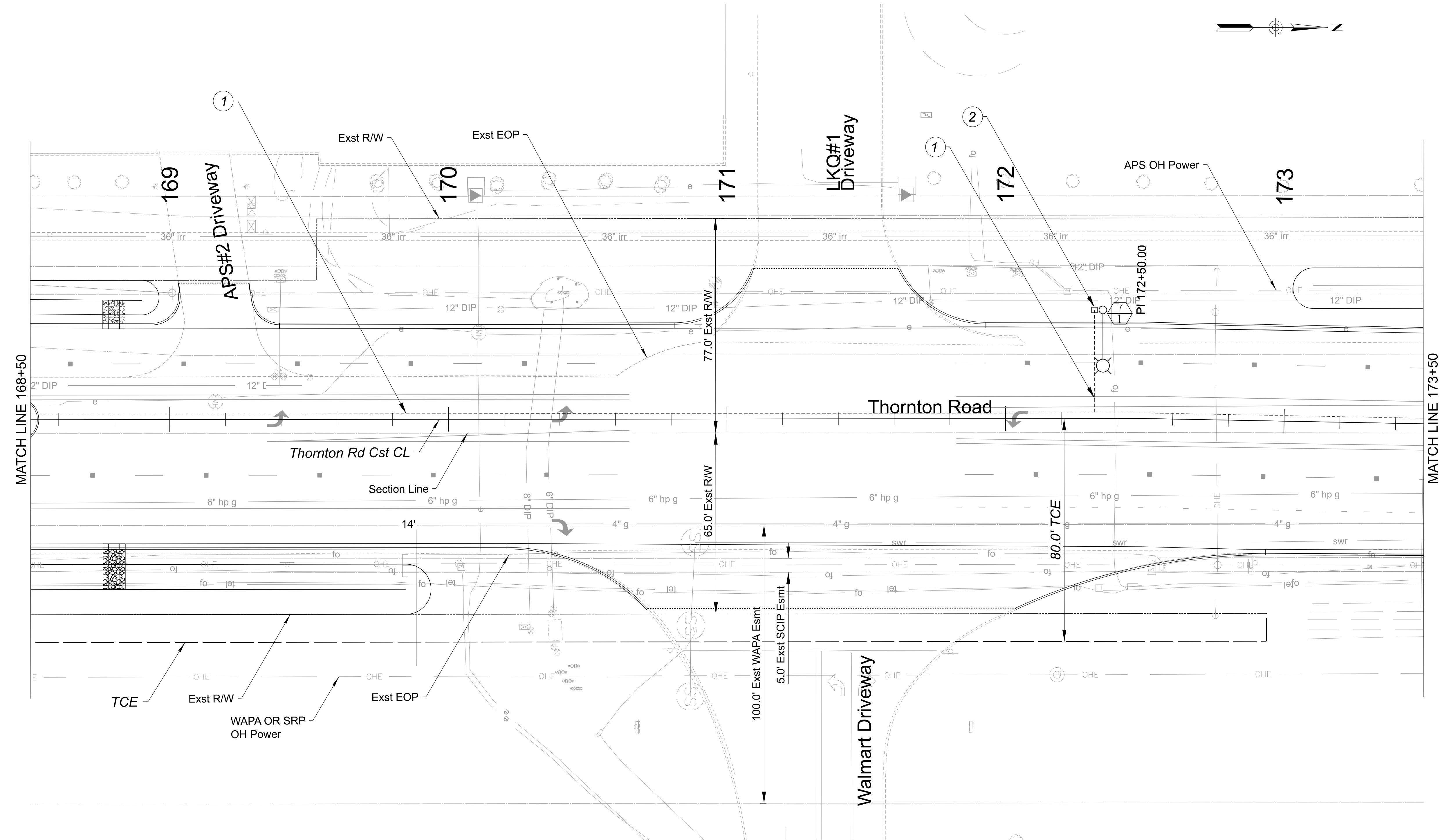
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DESIGN	SBN	05/26
DRAWN	BLJ	05/26
CHECKED	SBN	05/26

Horrocks.

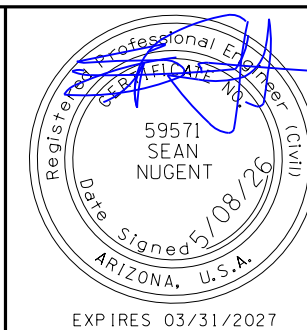
ARIZONA DEPARTMENT OF TRANSPORTATION
PROJECT DELIVERY AND OPERATIONS DIVISION
TRAFFIC DESIGN SECTION

LIGHTING PLAN
THORNTON ROAD
STA 163+50 TO 168+50

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
MILEPOST	ARIZ.	0000 PN CG	CSG-0(214)T	60	72		
STRUCTURE NO.	LOCATION THORNTON ROAD; SR84 - PETERS RD					SHEET T-06.03	
	TRACS NO. T0530 01C					____ OF ____	



- ① Furnish and Install 2.5" Conduit
- ② Install APS J-Box

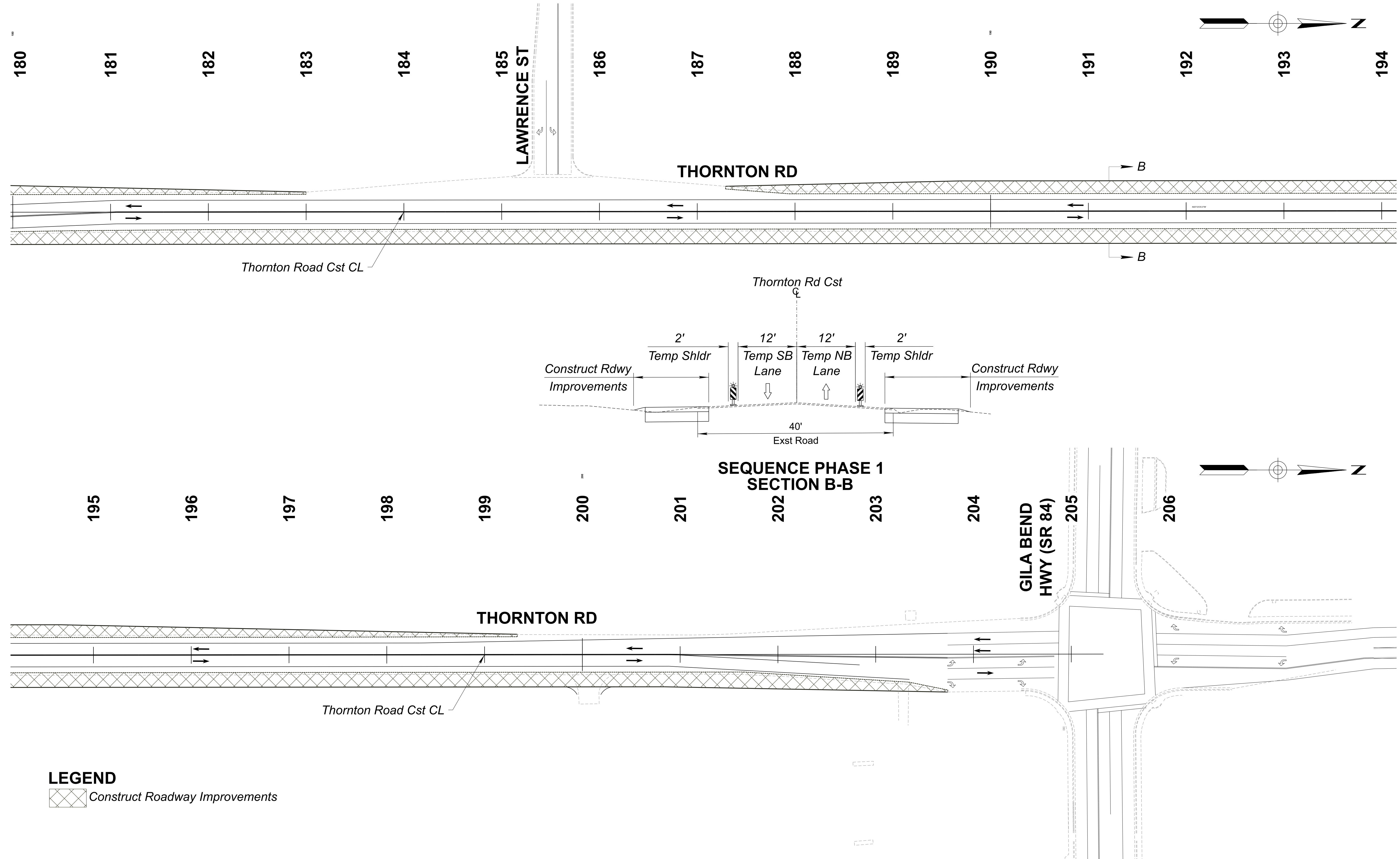


	NAME	DATE
DESIGN	SBN	05/26
DRAWN	BLJ	05/26
CHECKED	SBN	05/26

Horrocks.

ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION TRAFFIC DESIGN SECTION	ROUTE
LIGHTING PLAN THORNTON ROAD STA 168+50 TO 173+50	MILEPOST
	STRUCTURE NO.

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
MILEPOST		ARIZ.	0000 PN CG	CSG-0(214)T	61	72	
STRUCTURE NO.	LOCATION THORNTON ROAD; SR84 - PETERS RD						SHEET T-06.04
	TRACS NO. T0530 01C						___ OF ___



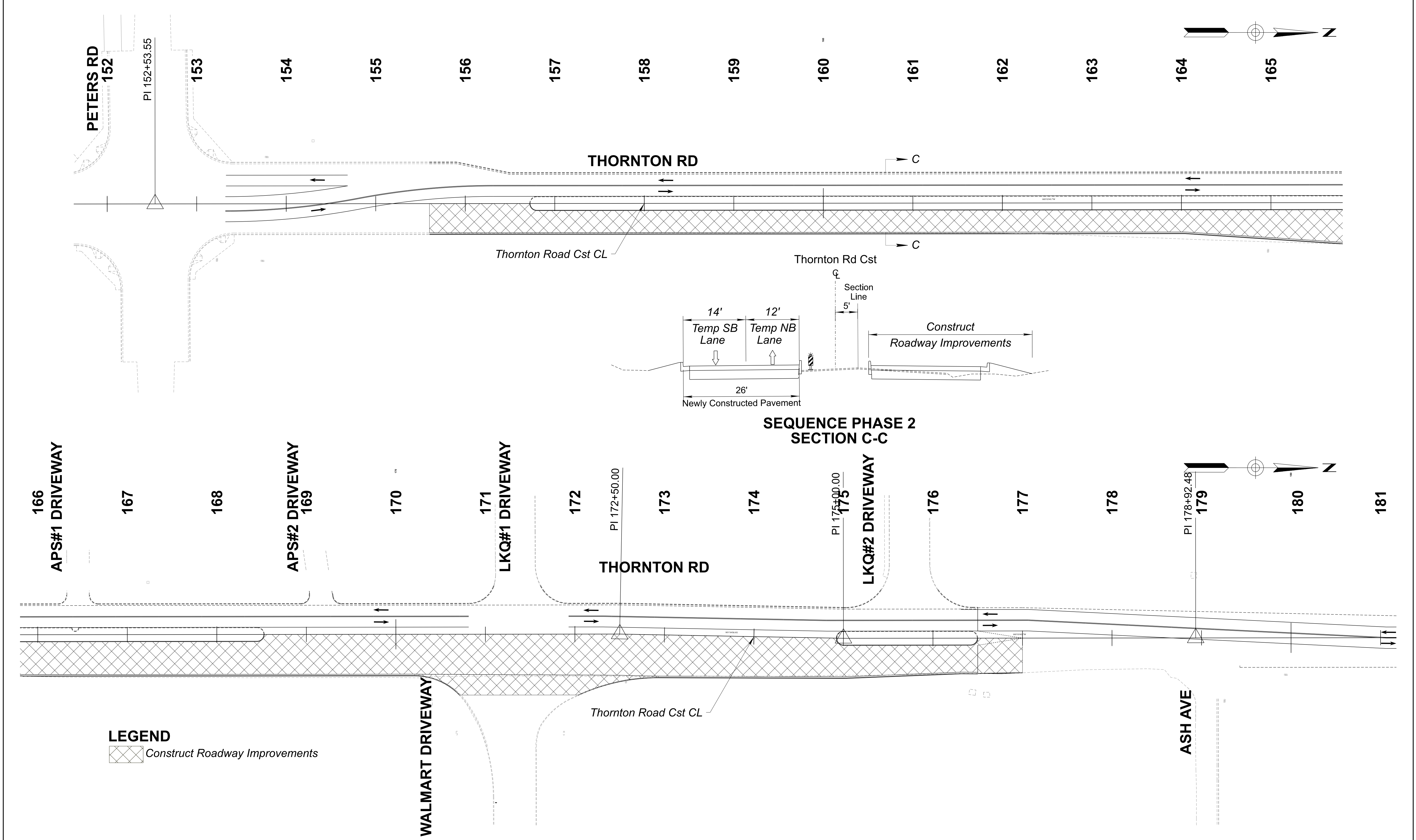
	NAME	DATE
DESIGN	SBN	05/20
DRAWN	BLJ	05/20
CHECKED	SBN	05/20



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

CONSTRUCTION SEQUENCING PHASE 1

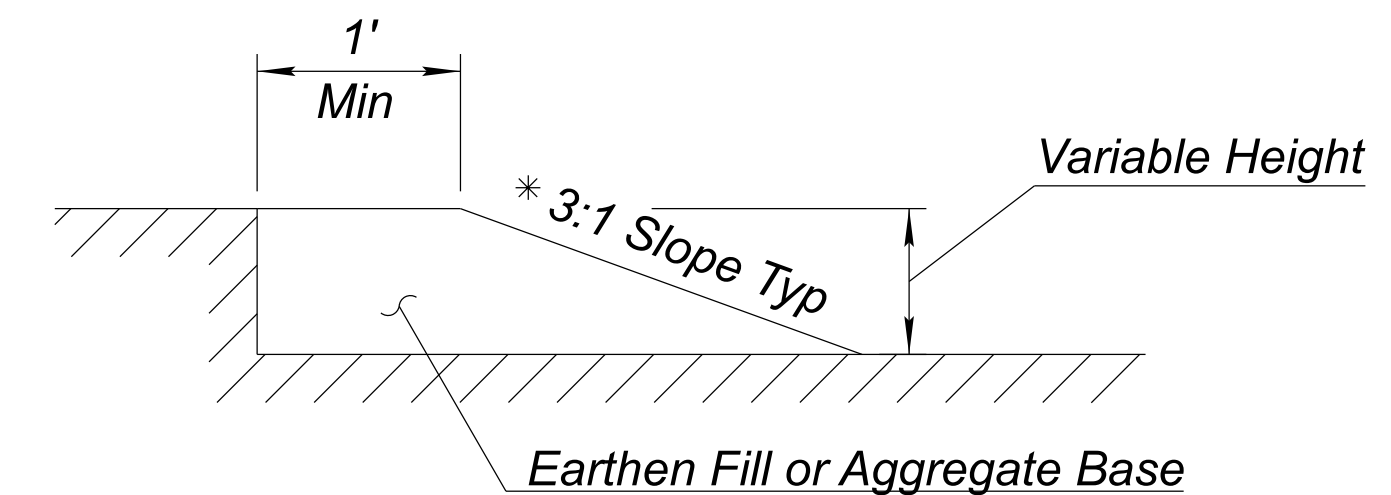
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MILEPOST		ARIZ.	0000 PN CG	CSG-0(214)T	64	72	
	LOCATION					THORNTON ROAD; SR84 - PETERS RD	
STRUCTURE NO.	TRACS NO. T0530 01C					SHEET CS-01.02	
					____ OF ____		



59571 SEAN NUGENT REGISTERED PROFESSIONAL ENGINEER ARIZONA, U.S.A. EXP. RES. 03/31/2027 DESIGN DRAWN CHECKED SBN BLJ SBN 05/26 05/26 05/26	NAME DATE			ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION TRAFFIC DESIGN SECTION	ROUTE	F.H.W.A. Arizona Division STATE ARIZ.	PROJECT NO. 0000 PN CG	FEDERAL ID NO. CSG-0(214)T	SHEET NO. 65	TOTAL SHEETS 72	RECORD DRAWING
	Horrocks.				MILEPOST		LOCATION THORNTON ROAD; SR84 - PETERS RD				
				CONSTRUCTION SEQUENCING PHASE 2	STRUCTURE NO.	TRACS NO. T0530 01C		SHEET CS-01.03 OF			

1. *All existing signs in conflict with construction shall be removed, relocated, or covered in place as directed by the Engineer. The contractor shall store and reinstall items which have been removed or relocated in a manner approved by the Engineer at no additional cost to the Department.*
2. *The retroreflective sheeting on all construction signs shall meet criteria established in Section 1007 of the specifications and in section 380 of the ADOT Traffic Engineering Guidelines and Processes (TGP).*
3. *Signs installed on spring stands may be mounted at the height recommended by the spring stand manufacturer.*
4. *"ROAD WORK AHEAD" signs shall be placed NB and SB on Thornton Road / Peters Road Intersection and Thornton Road / SR 84 Intersection.*
5. *Flags shall be mounted on top of all construction signs except the "END ROAD WORK THANK YOU" sign.*
6. *Type A flashing warning lights shall be required on all nighttime construction signs except the "END ROAD THANK YOU" sign.*
7. *Type C steady-burning yellow lights shall be mounted on every barricade used for channelization at night.*
8. *Channelizing devices shall be placed at 40 feet on center, except as otherwise noted on plans.*
9. *Construction signs shall not be displayed to traffic more than 24 hours prior to the actual start of construction. These signs may be installed earlier but they must be covered or turned away from traffic. The cost for covering them will not be measured or paid for separately, the cost being considered included in the cost of the Traffic Control items. These signs shall be removed within 24 hours after completion of construction activities.*

10. *All construction signs shall have black letters on a fluorescent orange background, except as otherwise noted.*
11. *Speed limit signing is preliminary and is subject to review and change by the Engineer as dictated by field conditions.*
12. *Where no closure is necessary but where there is construction alongside a roadway under construction, the contractor shall place a 48 inch x 48 inch "SHOULDER WORK AHEAD" sign as directed by the Engineer to alert the public to the construction activities.*
13. *When traffic control devices are not in use, they shall be covered or removed and reinstalled when needed again.*
14. *All drawings are schematic only and not to scale.*
15. *The traffic control plans represent a suggested method for traffic control during construction. The contractor may prepare another traffic control plan in accordance with Section 701 of the specifications. All traffic control plans are subject to the approval of the Engineer before beginning construction.*
16. *The contractor shall maintain 12-foot lanes and two way traffic on all streets at all times.*
17. *Local Enforcement Officer (with Agency Vehicle) shall be included as part of the contractor's traffic control, as directed by the Engineer.*
18. *No traffic control plans have been provided for the project. The contractor shall develop and submit for the Engineer's review and approval of a traffic control plan for each work activity on this project. The project traffic control shall be constructed in accordance with Part VI of the Manual on Uniform Traffic Control Devices (MUTCD) 10th Edition with revisions and the Arizona Supplement to the 2009 Edition, the Arizona Department of Transportation Temporary traffic Control Design Guidelines (TCDG) 2025 and the project plans and specifications. The contractor shall establish the traffic control necessary to provide a safe and efficient work zone without unduly delaying traffic.*



* 10:1 Slope At Driveways

Note:
Use when the height of the drop-off alongside the pavement is 2 inches or greater and the condition is left in place during non-working hours and will be approved by the Engineer.
No measurement or direct payment will be provided for constructing and removing the wedge, the cost being considered as included in the price of contract items.

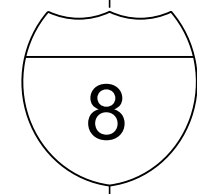
	<table><tr><th></th><th>NAME</th><th>DATE</th></tr><tr><td>DESIGN</td><td>SBN</td><td>05/26</td></tr><tr><td>DRAWN</td><td>BLJ</td><td>05/26</td></tr><tr><td>CHECKED</td><td>SBN</td><td>05/26</td></tr></table>				NAME	DATE	DESIGN	SBN	05/26	DRAWN	BLJ	05/26	CHECKED	SBN	05/26	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION TRAFFIC DESIGN SECTION		ROUTE	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. 0000 PN CG	FEDERAL ID NO. CSG-0(214)T	SHEET NO. 66	TOTAL SHEETS 72	RECORD DRAWING
		NAME	DATE																						
	DESIGN	SBN	05/26																						
DRAWN	BLJ	05/26																							
CHECKED	SBN	05/26																							
			TRAFFIC CONTROL GENERAL NOTES		MILEPOST	LOCATION THORNTON ROAD; SR84 - PETERS RD						SHEET TC-01.01													
					STRUCTURE NO.	TRACS NO. T0530 01C						OF													

MAINTENANCE AND PROTECTION OF TRAFFIC			
	CONSTRUCTION ACTIVITY	TRAFFIC CONTROL	REMARKS
1	Advanced Warning Signing	Install Long-Term Advanced Warning Signs, as shown on TC-1.03 Reduce Speed Limit to 35 Mph Through Workzone.	Provide CMB's at least 5 days prior to construction activity. CMB's shall be utilized for the duration of construction. CMB's messaging will vary based on construction activity or as directed by the Engineer.
2	Construct new SB travel lane pavement, curb and gutter, and median curb along Thornton Road between Peters Rd and Ash Ave. Construct new NB and SB pavement widening along Thornton Road between Ash Ave and SR 84. Construct drainage retention.	Maintain one lane of travel in NB & SB Directions. Speed Reduction and shoulder closure shall be as shown in Figure 6P-3 of the MUTCD 11th Edition (MUTCD).	Obliterate the existing striping where required. Install temporary pavement marking. Cover all existing conflicting signs on Thornton Road. Maintain left turn movement to Walmart Driveway & LKQ Driveway. Maintain access to all local businesses during business hours.
3	Construct new NB travel lane pavement, curb and gutter, and median curb along Thornton Road between Peters Rd and Ash Ave. Construct drainage retention. Seal coat existing pavement. Install new signs.	Maintain one lane of travel in NB & SB Directions. Speed Reduction and shoulder closure shall be as shown in Figure 6P-3 of the MUTCD.	Temporarily Shift NB & SB traffic onto the newly constructed SB pavement. Maintain left turn movement to Walmart Driveway & LKQ Driveway. Maintain access to all local businesses during business hours.
4	Install final pavement marking.	Provide Traffic Control per Figures SA-19B and SA-19C of the ADOT TTCDG	

Subject:	TRAFFIC CONTROL QUANTITIES						
Item No.	Description	Unit	1 (C)	2 (C)	3 (C)	4 (C)	Total
	DURATION (c) = Calendar Days, (w) = Working Days		365	185	75	2	
7016030	BARRICADE (TYPE II, VERT. PANEL, TUBULAR MARKER)	EACH-DAY	0	40,885	6,825	0	47,710
7016032	PORTABLE SIGN STANDS (RIGID)	EACH-DAY	0	185	75	0	260
7016033	PORTABLE SIGN STANDS (SPRING TYPE)	EACH-DAY	0	740	300	12	1,052
7016035	WARNING LIGHTS (TYPE A)	EACH-DAY	4,380	925	375	0	5,680
7016037	WARNING LIGHTS (TYPE C)	EACH-DAY	7,300	40,885	6,825	0	55,010
7016039	EMBEDDED SIGN POST	EACH-DAY	4,380	0	0	0	4,380
7016050	TRUCK MOUNTED ATTENUATOR	EACH-DAY	0	0	0	12	12
7016051	TEMPORARY SIGN (LESS THAN 10 S.F.)	EACH-DAY	0	185	75	0	260
7016052	TEMPORARY SIGNS (10 S.F. OR MORE)	EACH-DAY	4,380	740	300	12	5,432
7016061	FLASHING ARROW PANEL	EACH-DAY	0	0	0	16	16
7016067	CHANGEABLE MESSAGE BOARD(CONTRACTOR FURNISHED)	EACH-DAY	730	0	0	0	730
7016082	FLAGGING SERVICES (LOCAL ENFORCEMENT OFFICER)(WITH AGENCY VEHICLE)	HOURS	0	40	40	8	88

* Duration totals may not equal sum of durations due to simultaneous activities.

	NAME		DATE	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION TRAFFIC DESIGN SECTION	ROUTE	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING	
	DESIGN	SBN	05/26		MILEPOST			0000 PN CG	CSG-0(214)T	67	72		
	DRAWN	BLJ	05/26		MAINTENANCE OF TRAFFIC AND TRAFFIC CONTROL QUANTITIES	STRUCTURE NO.	THORNTON ROAD; SR84 - PETERS RD						
	CHECKED	SBN	05/26				SHEET TC-01.02						
					TRACS NO. T0530 01C								OF



THORNTON RD

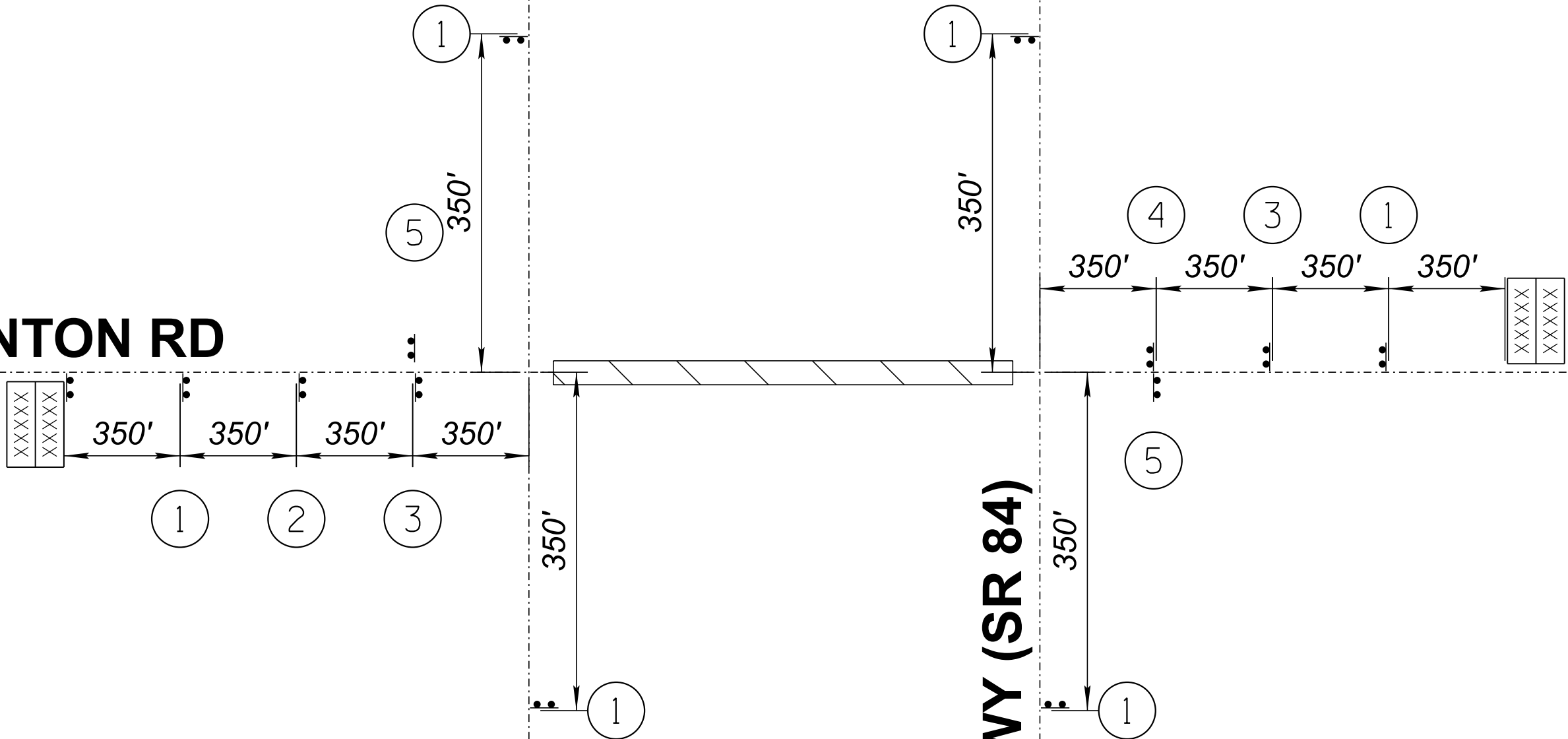
GILA BEND HWY (SR 84)

COTTONWOOD LN

INTERSTATE 8

SELMA HWY

PETERS RD



SIGN LEGEND

①

W20-1
48" X 48"
Black on Orange

②

W3-5aAZ
48" X 48"
Black on Orange

③

R2-1(35)
48" X 60"

④

W4-2R
48" X 48"
Black on Orange

⑤

G20-2AZ
48" X 36"

CMB
CHANGEABLE
MESSAGE BOARD

LEGEND

⋮ SIGN ON EMBEDDED POST

ROAD CONSTRUCTION

ROAD



	NAME	DATE
DESIGN	SBN	05/26
DRAWN	BLJ	05/26
CHECKED	SBN	05/26

Horrocks.

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

TRAFFIC CONTROL
ADVANCE WARNING SIGNS

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
MILEPOST	ARIZ.	0000 PN CG	CSG-0(214)T	68	72		
STRUCTURE NO.	THORNTON ROAD; SR84 - PETERS RD					SHEET TC-01.03	
	TRACS NO. T0530 01C					____ OF ____	

GENERAL NOTES:

1.

All Erosion/Sediment Control Installation Shall Be Installed Per These Approved Plans And Shall Comply With All Applicable Specifications. Any Deviations To The Approved Plans Require Engineer Approval.
2.

The Contractor Shall Verify The Limits Of Soil Disturbance Throughout The Project And Bring Discrepancies Immediately To The Attention Of The Engineer.
3.

All Work Shall Be Confined Within The Disturbance Limits As Shown On The Plans.
4.

The Contractor Shall Be Responsible For Installing Any Required Erosion/Sediment Control Measures For Any Impact Within The Project Areas That May Not Be Shown On These Project Plans, Such As Any Stockpiling Or Staging Areas.
5.

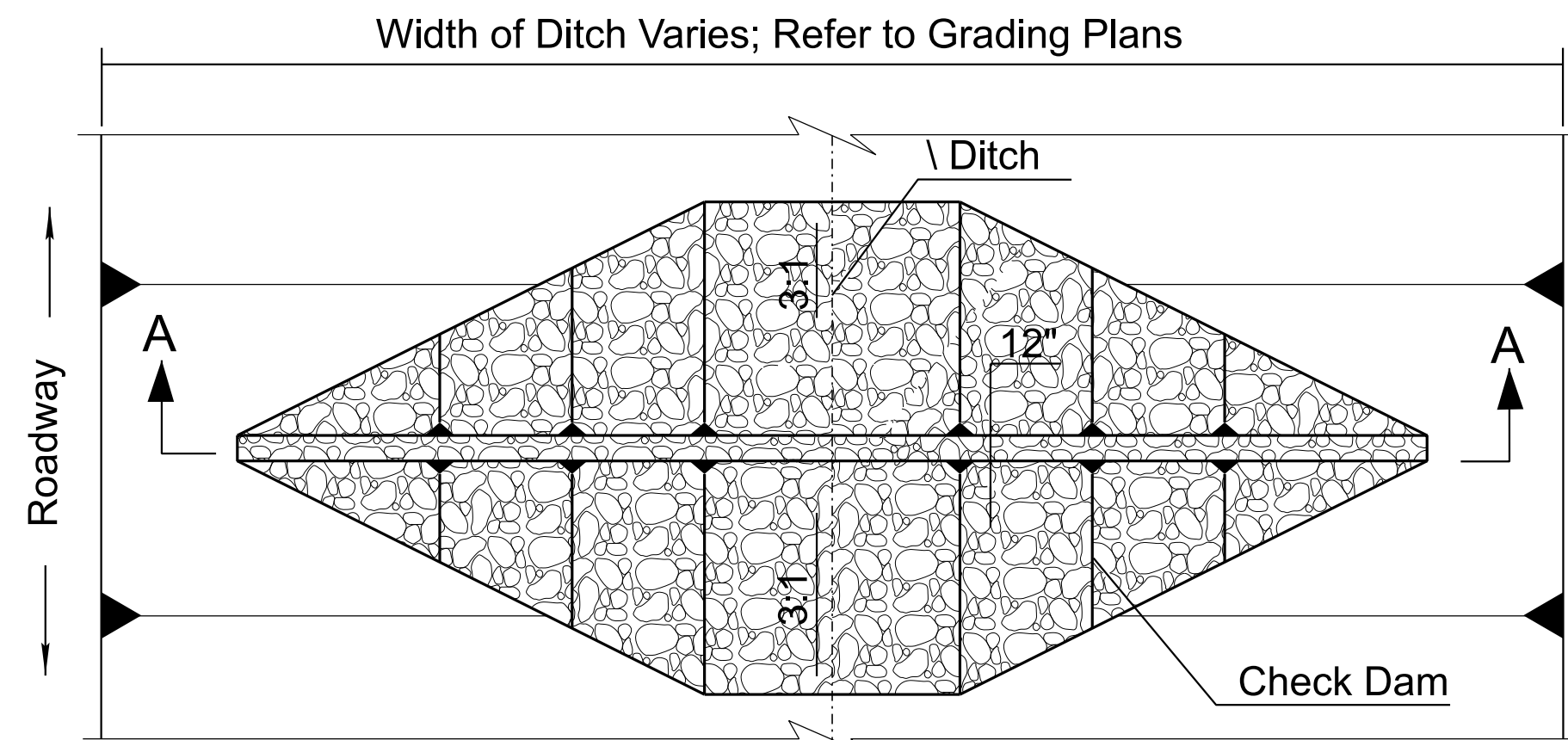
Construction Entrance/Exit Item And Quantity Are Included For Bidding Purpose Only. Entrance/Exit Locations Shall Be Determined By The Contractor And Approved By The Engineer.

Subject:	EROSION /SEDIMENT CONTROL QUANTITIES			
	ITEM NO.	DESCRIPTION	QTY	UNIT
	8050003	SEEDING (CLASS II)	6	ACRE
	8101005	EROSION CONTROL (CHECK DAM) (1 CU.YD)	38	CU.YD
	8101018	EROSION CONTROL (CONSTRUCTION ENTRANCE/EXIT GRAVEL PADS)	170	SQ.YD
	9240181	MISCELLANEOUS WORK (CONTROL OF NOXIOUS PLANTS) (MANUAL/MECHANICAL METHODS)	27,000	SQ.YD
	9240182	MISCELLANEOUS WORK (CONTROL OF NOXIOUS PLANTS) (HERBICIDE)	27,000	SQ.YD

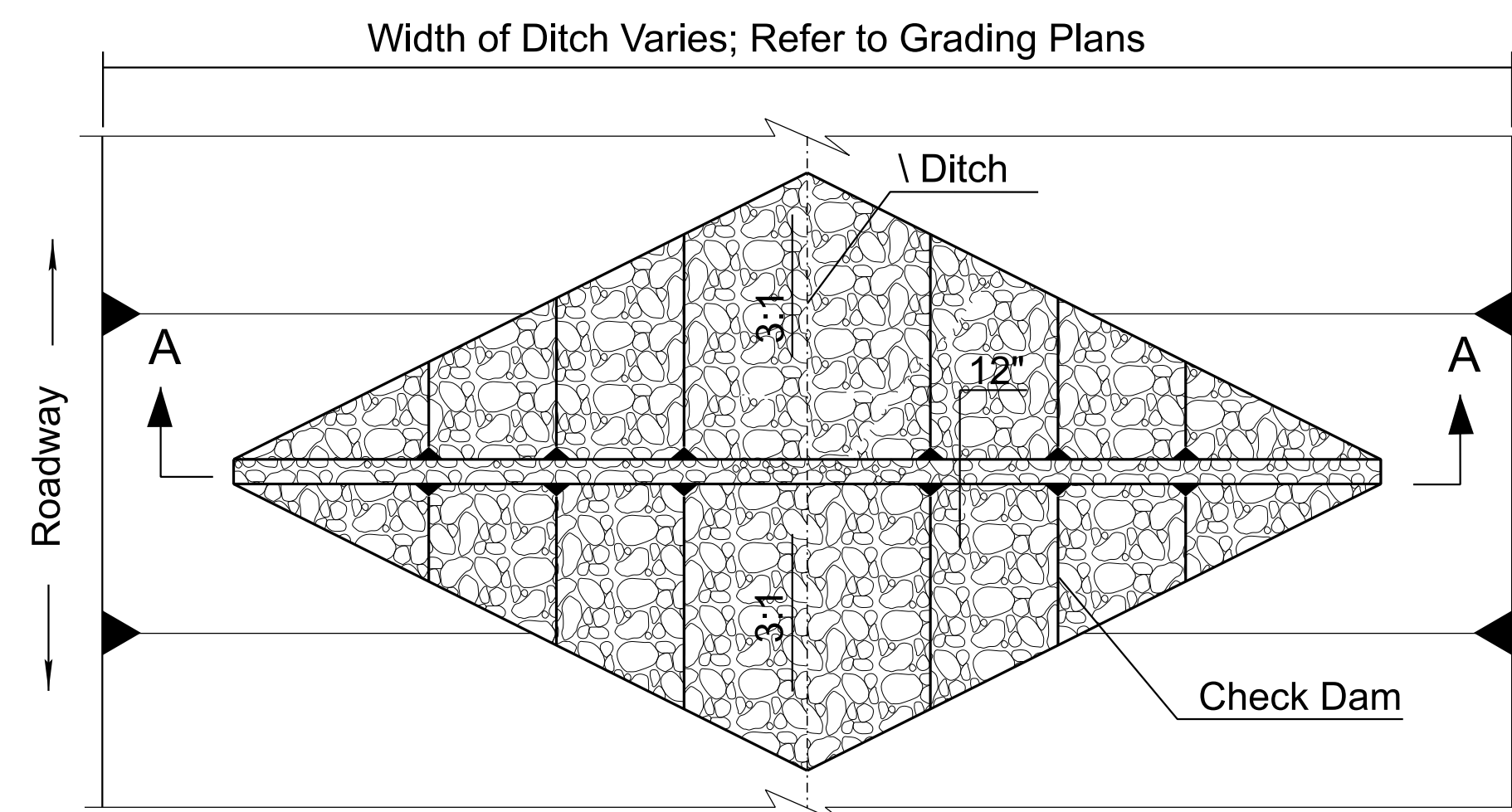
EROSION CONTROL BMP LOCATIONS:

Item 81081018 Erosion Control (Construction Entrance/Exit Gravel Pad) Gravel Pads Shall Be Installed Per Detail ES2 Of The Project Plans At Locations Directed By The Engineer.

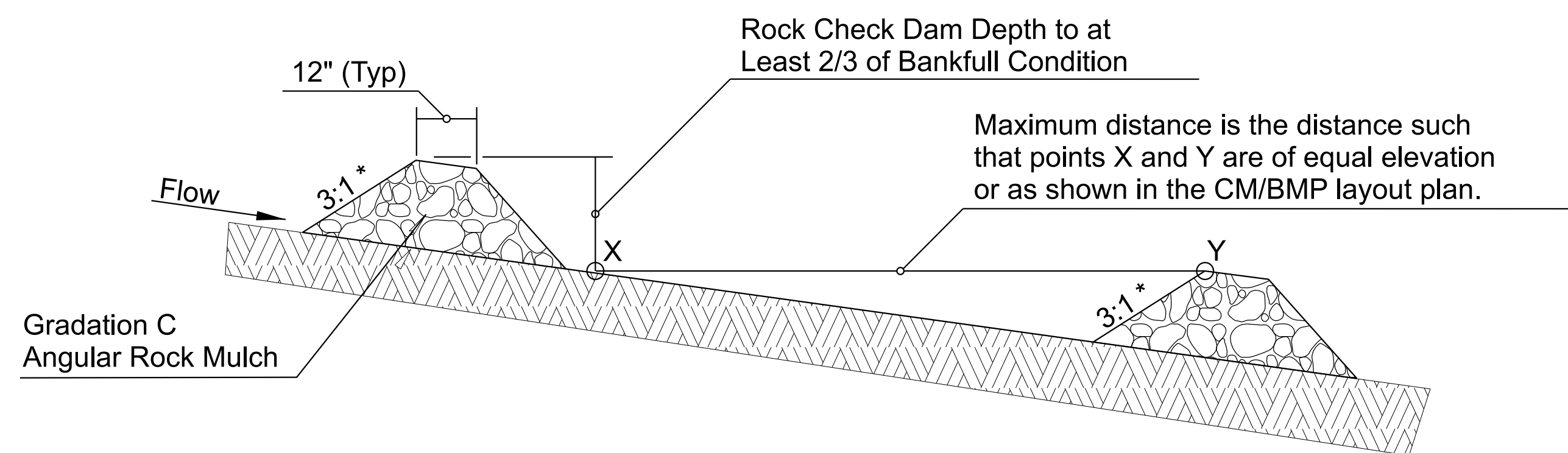
Item 8101005 Erosion Control (Check Dam)(1 CY) Shall Be Installed Per Roadway Plans.



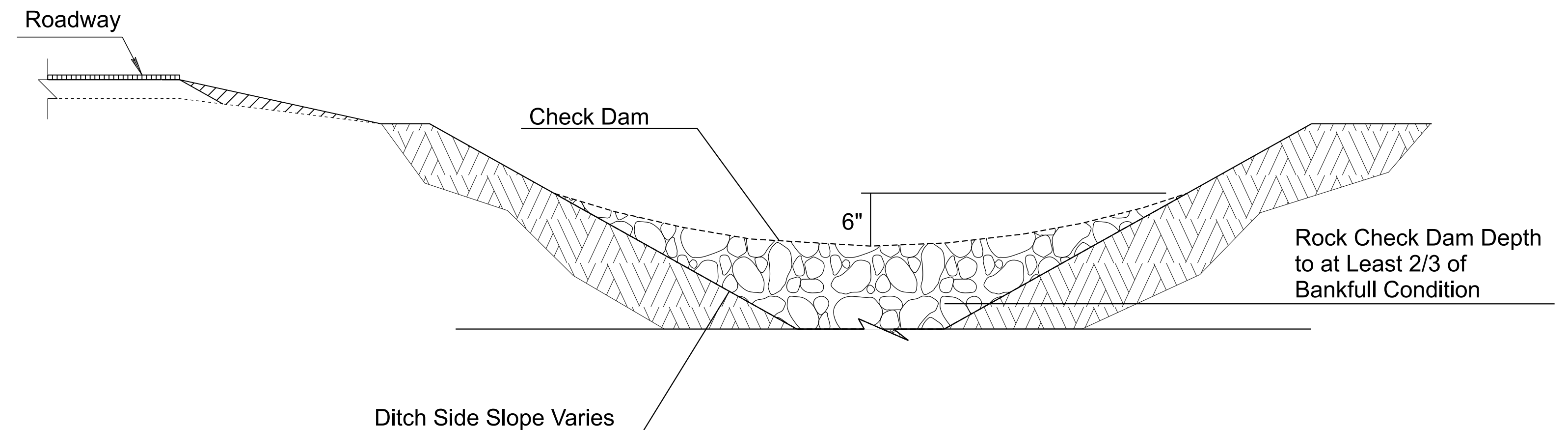
TRAPEZOIDAL DITCH PLAN (NTS)



V-DITCH PLAN (NTS)



ELEVATION ALONG DITCH SLOPE (NTS)



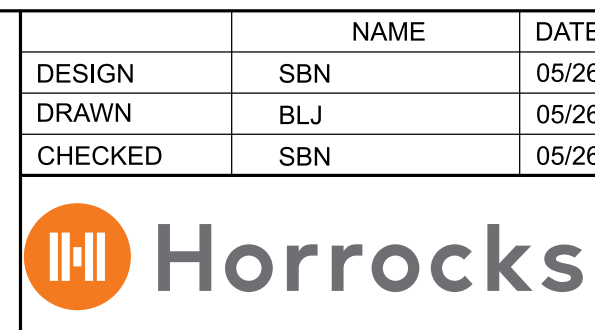
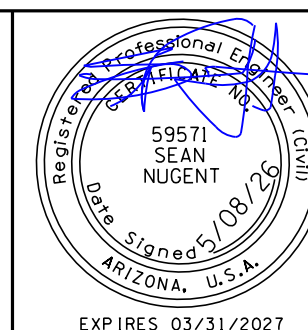
SECTION A-A
TRAPEZOIDAL- OR V-DITCH
(NTS)

NOTES:

1. Construct Rock Check Dams with angular-shaped Gradation C Rock Mulch as defined in Section 810-2.03 of the Specifications and these special provisions. Natural river-run materials such as rounded river rocks/cobblestones and pebbles are NOT acceptable.
2. * Slope shall be 1(V) : 6(H) or flatter if Check Dam is within the traffic clear zone/recovery areas as defined in ADOT Roadway Design Guidelines (303.2 to 303.3 Roadside Recovery Area).
3. Make field adjustments of sizing and spacing of Rock Check Dams as necessary for traffic safety as well as proper functioning of the drainage facilities.
4. Flatten and re-grade Rock Check Dams to the finished grade, level within the ditch, as soon as practicable for Final Stabilization.
5. Make field adjustments and corrections of Rock Check Dam CM/BMP immediately if it is causing flooding, erosion, and/or affecting roadway safety.
6. Make field adjustments to ensure the top of the Rock Check Dam is approximately 2/3 height of the estimated ditch bankfull level.
7. When paid separately, the Rock Check Dam CM/BMP pay/bid item shall include all materials used for this CM/BMP: all ground preparation, furnishing, installing, maintenance, flattening/grading back to the finished grade, as well as returning the area to an acceptable condition as approved by the Engineer.
8. Make field adjustments and corrections to ensure NO sensitive biological resources (native species / habitats) will be adversely impacted.

DETAIL ES1

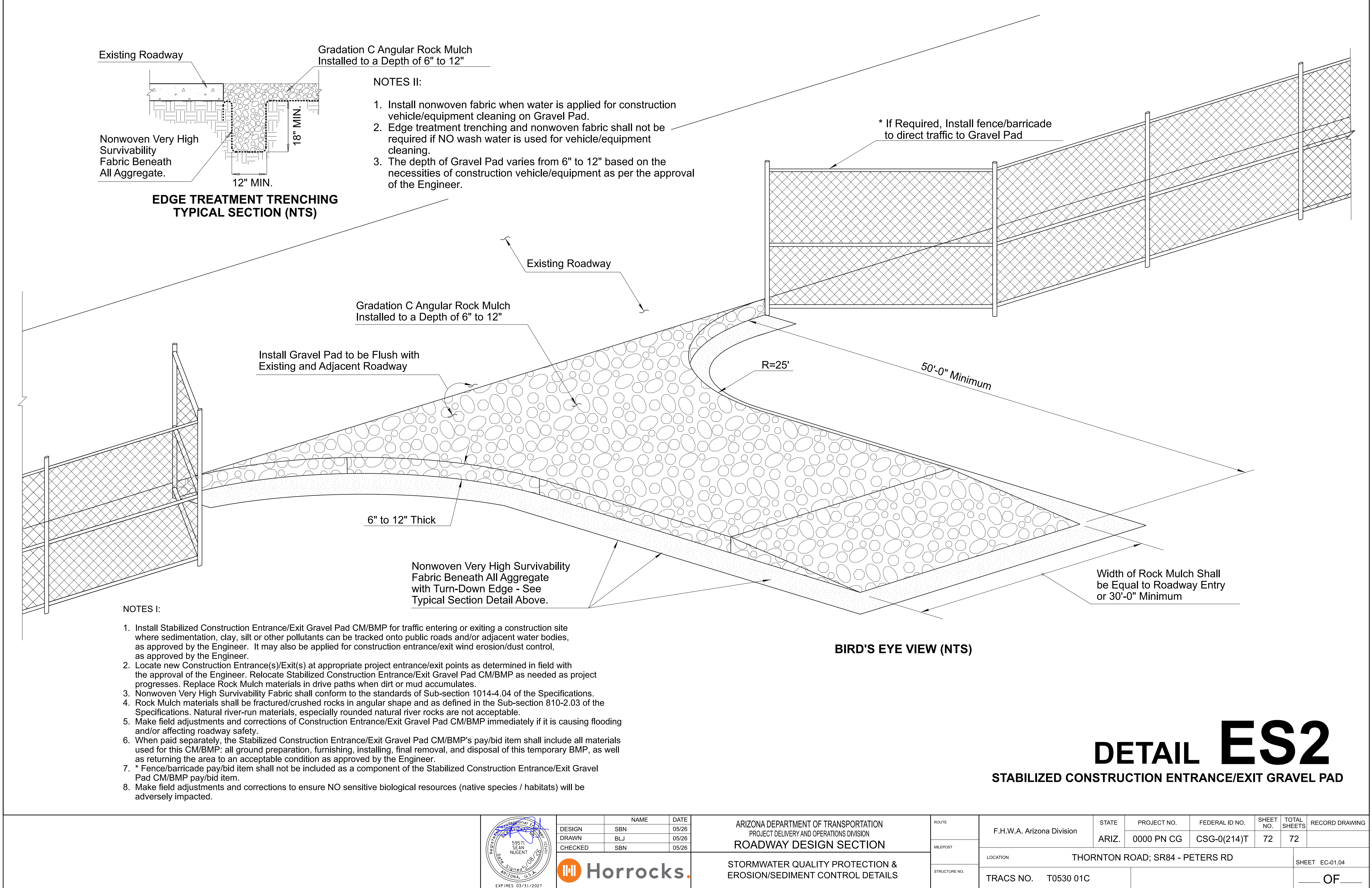
ROCK CHECK DAM



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

STORMWATER QUALITY PROTECTION &
EROSION/SEDIMENT CONTROL DETAILS

DESIGN	NAME	DATE	ROUTE	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
DRAWN	SBN	05/26		ARIZ.	0000 PN CG	CSG-0(214)T	71	72	
CHECKED	SBN	05/26							
			LOCATION	THORNTON ROAD; SR84 - PETERS RD					SHEET EC-01.03
			STRUCTURE NO.	TRACS NO. T0530 01C					OF



DETAIL **ES2**
STABILIZED CONSTRUCTION ENTRANCE/EXIT GRAVEL PAD

		NAME		DATE	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION ROADWAY DESIGN SECTION	ROUTE	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. 0000 PN CG	FEDERAL ID NO. CSG-0(214)T	SHEET NO. 72	TOTAL SHEETS 72	RECORD DRAWING		
		DESIGN	SBN	05/26											
		DRAWN	BLJ	05/26											
		CHECKED	SBN	05/26											
STORMWATER QUALITY PROTECTION & EROSION/SEDIMENT CONTROL DETAILS					STRUCTURE NO.	MILEPOST	THORNTON ROAD; SR84 - PETERS RD						SHEET EC-01.04 ____ OF ____		
							TRACS NO. T0530 01C								