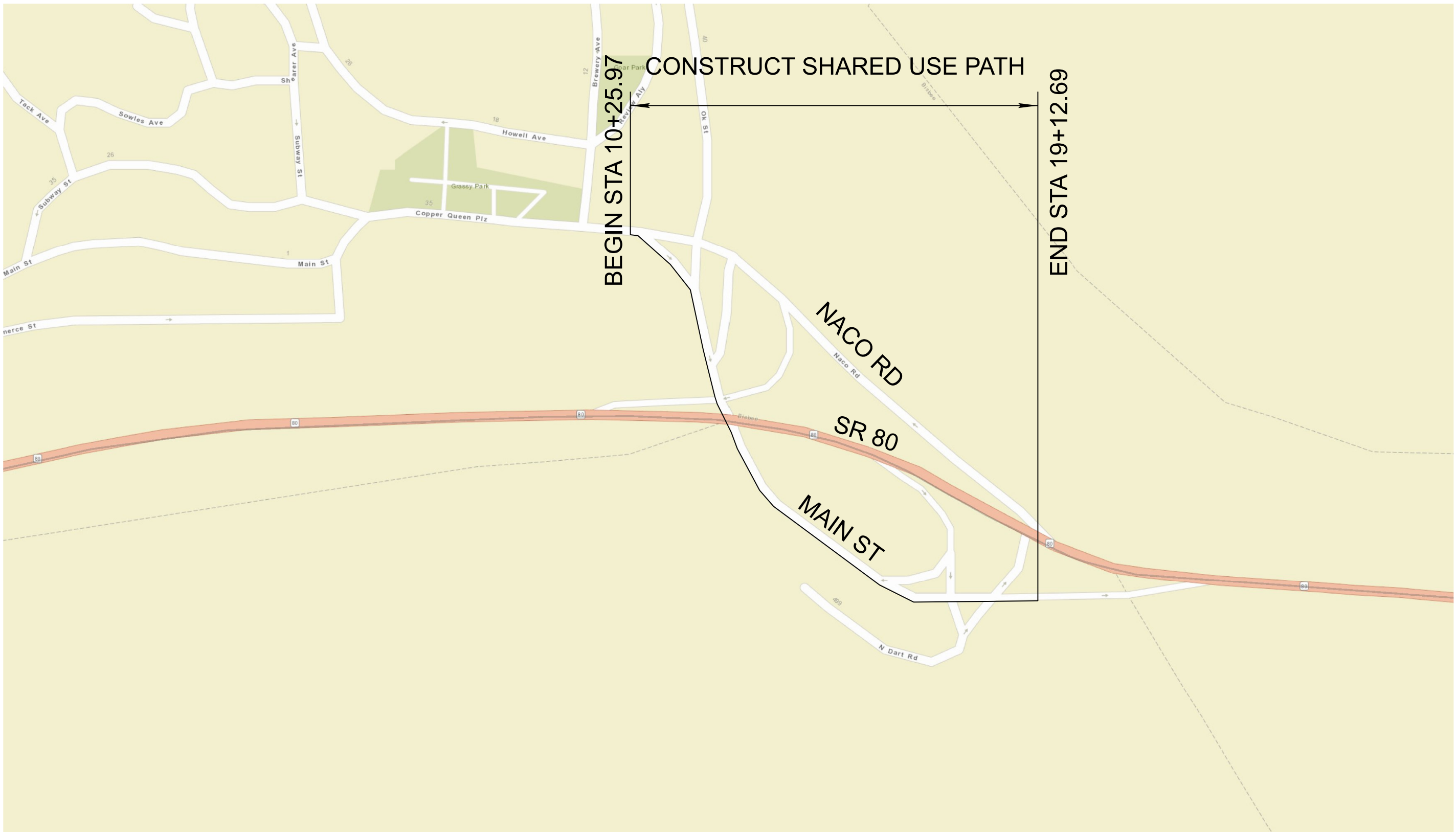
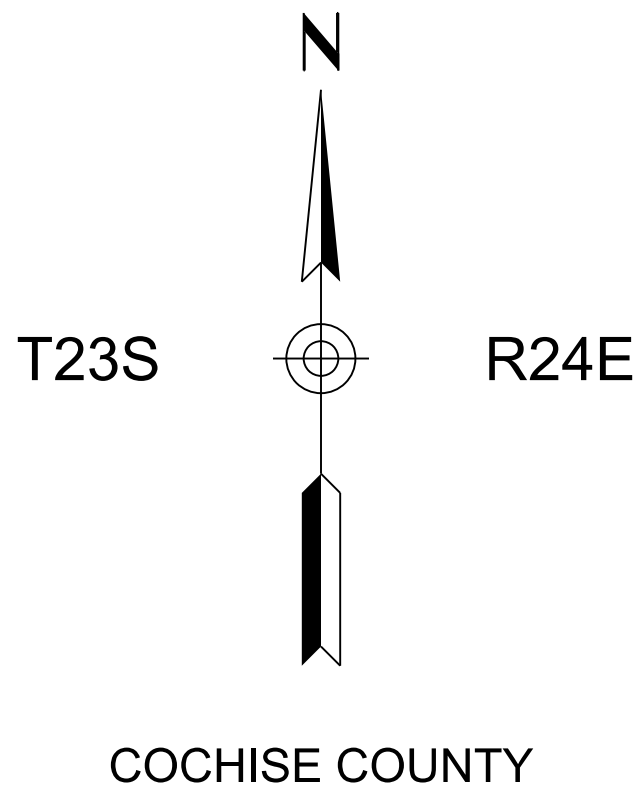




STATE OF ARIZONA
DEPARTMENT OF TRANSPORTATION
PROJECT DELIVERY AND OPERATIONS DIVISION
PROJECT PLANS



STATE HIGHWAY
BENSON-DOUGLAS HIGHWAY
SR 80



Constructed by:

Construction Company

Completion Date

Red-Lines by:

Construction Administrator Name & Company

Completion Date

Record Drawings by:

Record Drawings Designer Name & Company

Completion Date

SR 80; QUEEN MINE TOUR - OLD BISBEE
PROJECT NO. 0000 CH BIS T0621 01C
FEDERAL AID NO. BIS-0(207)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		NATHAN MERRILL	08/2026
PROJECT NO.		0000 CH BIS T0621 01C	1A OF 45
RECORD DRAWING DATA	FEDERAL ID NO. BIS-0(207)T		OF
REC. DWG. DATE			

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.		NATHAN MERRILL	08/2026
0000 CH BIS T0621 01C		1B-1	OF 45
RECORD DRAWING DATA	FEDERAL ID NO. BIS-0(207)JT	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	DATE
		NATHAN MERRILL	08/2026
PROJECT NO.		1B-2	OF 45
0000 CH BIS T0621 01C			
RECORD DRAWING DATA	FEDERAL ID NO. BIS-0(207)T	REC. DWG. DATE	OF

ADOT STANDARD DRAWINGS

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

REVISION
DATE

STANDARD
NUMBER

SUBJECT :
TRAFFIC SIGNALS AND LIGHTING DETAILS

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

REVISION
DATE

STANDARD
NUMBER

SUBJECT :
TRAFFIC SIGNALS AND LIGHTING DETAILS

T-SL. 4			POLES AND POSTS
11/22	4.01		TYPE A POLE
11/22	4.02		TYPE S POLE
11/22	4.03		TYPE T POLE
11/22	4.04		TYPE S AND TYPE T STEEL TWIN LUMINAIRE MOUNTING BRACKET AND EXTENSIONS
11/22	4.05		ALUMINUM TYPE S POLE
11/22	4.06		ALUMINUM TYPE T POLE
11/22	4.07		TYPE G POLE
11/22	4.08		ALUMINUM TYPE G POLE
11/22	4.09		ALUMINUM TYPE H POLE
11/22	4.10		ALUMINUM TYPE I POLE
11/22	4.11		GENERAL NOTES FOR TRAFFIC SIGNALS AND LIGHTING POLES WITH MAXIMUM LOADING CASE
04/19	4.12		TYPE J POLES (25-J, 30-J, 35-J, AND 40-J) WITH 25 FT TO 40 FT MAST ARM SPAN LENGTH
04/19	4.13		TYPE Q POLES (25-QL, 30-QL, 35-QL, AND 40-QL) WITH 25 FT TO 40 FT MAST ARM SPAN LENGTH WITH LUMINAIRES
			TYPE K POLES (45-K, 50-K, AND 55-K) WITH 45 FT TO 55 FT MAST ARM SPAN LENGTH
04/19	4.14		TYPE R POLES (45-RL, 50-RL, AND 55-RL) WITH 45 FT TO 55 FT MAST ARM SPAN LENGTH WITH LUMINAIRES
			TYPE V POLES (60-V AND 65-V) WITH 60 FT TO 65 FT MAST ARM SPAN LENGTH
11/22	4.16		TYPE W POLES (60-WL AND 65-WL) WITH 60 FT TO 65 FT MAST ARM SPAN LENGTH WITH LUMINAIRES
11/22	4.17		POLE HAND HOLE DETAILS
11/22	4.18		TYPE U POLE (ELLIPTICAL BASE) DETAILS
11/22	4.19		TYPE U POLE (ROUND POLE WITH SQUARE BASE) NOTES
04/19	4.20		TYPE U POLE (ROUND POLE WITH SQUARE BASE) FOUNDATION DETAILS
04/19	4.21		TYPE U POLE (ROUND POLE WITH SQUARE BASE) DEATILS 1
04/19	4.22		TYPE U POLE (ROUND POLE WITH SQUARE BASE) DEATILS 2
04/19	4.23		TYPE U POLE (ROUND POLE WITH SQUARE BASE) PIPE TENON DETAILS
04/19	4.24		TYPE U POLE (ROUND POLE WITH SQUARE BASE) TWIN LUMINAIRE BRACKET DETAILS
04/19	4.25		EQUIPMENT MOUNTING HEIGHT DETAILS
04/19	4.26		PEDESTRIAN PUSH BUTTON POST "TYPE PB POLE"
04/19	4.27		POLE FOUNDATION ANCHOR BOLTS
11/22	4.28		STEEL MAST ARM DETAILS LUMINAIRE AND SIGNAL ARMS TO 20'
04/19	4.29		ALUMINUM TRUSS MAST ARM DETAILS FOR TYPE G, H, AND I POLES
04/19	4.30		SIGNAL MAST ARM TENON DETAIL
04/19	4.31		TYPICAL HIGHWAY LIGHTING OFFSETS IN CUT AND FILL SECTIONS
11/22	4.32		STEEL ADAPTER PLATE FOR 30 FT ALUMINUM TYPE "G" OR TYPE "S" LIGHT POLES
			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
			TYPE C VEHICLE DETECTOR LOOPS FOR TRAFFIC COUNTERS
03/10	6-1		TYPE SA AND SB SPEED/VEHICLE CLASSIFICATION SYSTEMS
03/10	6-2	SHT 1	TYPE SA 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	DETECTOR LOOPS AND PIEZOELECTRIC SENSOR DETAILS
12/12	6-4	SHT 4	DETAIL A PIEZOELECTRIC SENSOR DETAILS
12/12	6-4	SHT 5	DETAIL B DETECTOR LOOP DETAILS
03/10	6-5		DETECTOR LOOPS AND PIEZOELECTRIC SENSOR DETAILS
03/10	6-6		MICROLOOPS FOR SPEED/VEHICLE CLASSIFICATION
03/10	6-7		QUARTZ PIEZOELECTRIC WEIGHT SENSOR AND LOOP LANE LAYOUT
03/10	6-8		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	JACKSON MODRACK	08/2026	
PROJECT NO.		1C-1	OF 45
0000 CH BIS T0621 01C			
RECORD DRAWING DATA	FEDERAL ID NO. BIS-0(207)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
		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		JACKSON MODRACK	08/2026
PROJECT NO.		1C-2	OF 45
0000 CH BIS T0621 01C			
RECORD DRAWING DATA	FEDERAL ID NO. BIS-0(207)T	REC. DWG. DATE	OF

REFERENCES

F-016-1-507
F-016-1-530
STP-080-A-(3)A
F-016-1(11)
F-016-1-509
F-016-1-519
F-016-1-522
F-016-1-534
F-016-1-540
S-080-A-502

MIDPOINT OF PROJECT

East Zone
State Plane Coordinates
X=779,350
Y=160,454

DESIGN DATA

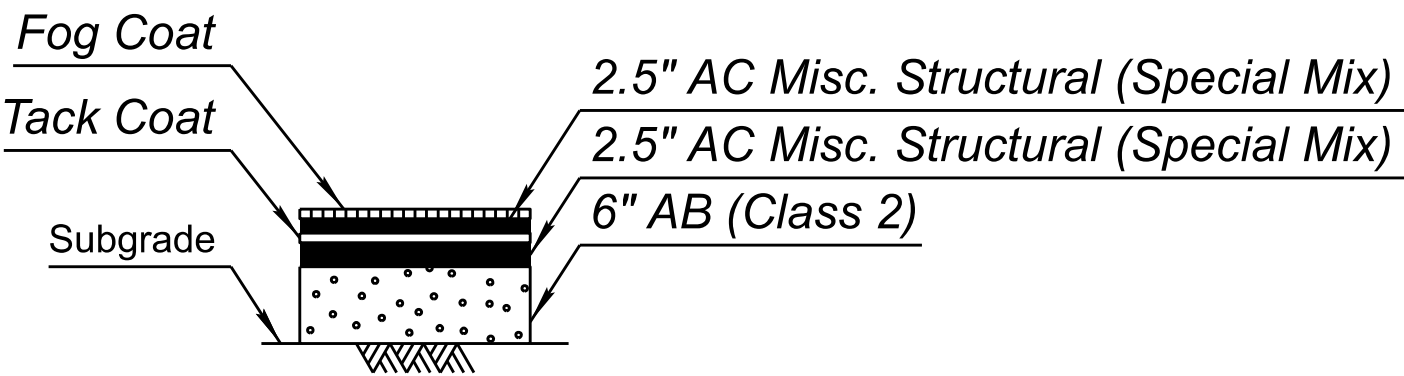
2024 AADT = 1,728
2034 AADT = 2,106
Design Speed = 30 MPH

LENGTH OF PROJECT

Main St Cst CL
Sta 10+25.97 to 19+12.69 = 886.72'
Gross & Net Length = 886.72' - 0.17 Miles

INDEX OF SHEETS

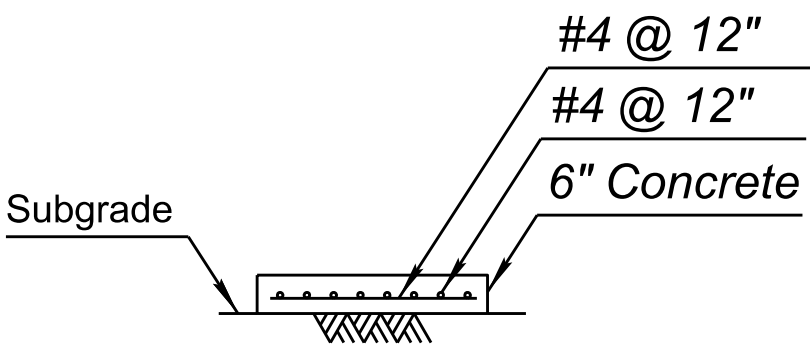
Sheet No.	Sheet Type
1	Face Sheet
1A, 1B, 1C	ADOT Standard Drawings
1F	EPIC Sheet
2	Design Sheet
3	Typical Sections
4	Detail Sheet
5	Geometric Sheet
6-7	Removal Sheets
8-9	Roadway Plan Sheets
10-11	Staking Sheets
12-15	Traffic Control Sheets
16-22	Signing and Marking Sheets
23-25	Lighting Sheets
26-31	Erosion Control Sheets
32-35	Landscaping Sheets
36-45	Structures Sheets



Total Thickness = 11"

SECTION NO. 1

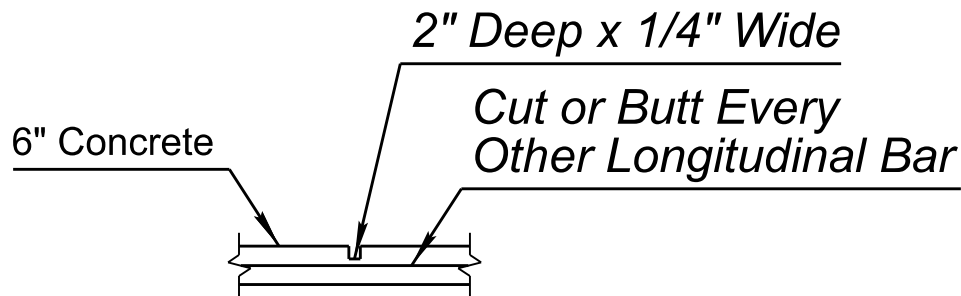
Main Street



Total Thickness = 6"

CONCRETE SIDEWALK

SR80 Shared Use Path
See Concrete Sidewalk Notes



Pathway Contraction Joint Detail

GENERAL NOTES

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

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

For Right-of-Way information not shown, see Right of Way Project No. S-080-A-801, F-016-1(4), and F-016-1-709.

Pavement lift thickness is nominal.

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

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

The average project elevation is 5,100'.

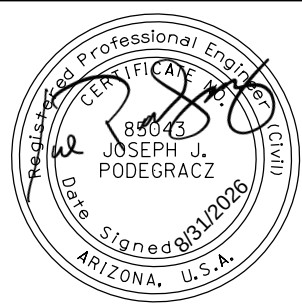
Project plans have been developed utilizing alignment and survey control.

All existing waterline facilities shall be protected in place. The contractor shall verify the location of the existing water facilities before work can be done in the area. The contractor shall notify the Arizona Water Company staff at 602-240-6860 when working near the facilities to inspect and ensure that no damage has occurred.

New Right of Way and Temporary Construction Easements are required.

CONCRETE SIDEWALK NOTES

- Expansion Joints with 1/2" Bituminous Joint Filler shall be spaced at 90 feet maximum spacing.
- Sawcut Contraction Joints shall be spaced transversely at maximum 15' intervals.
- Provide 1/2" Bituminous Joint Filler between Concrete Sidewalk and all walls, curbs and other structures.

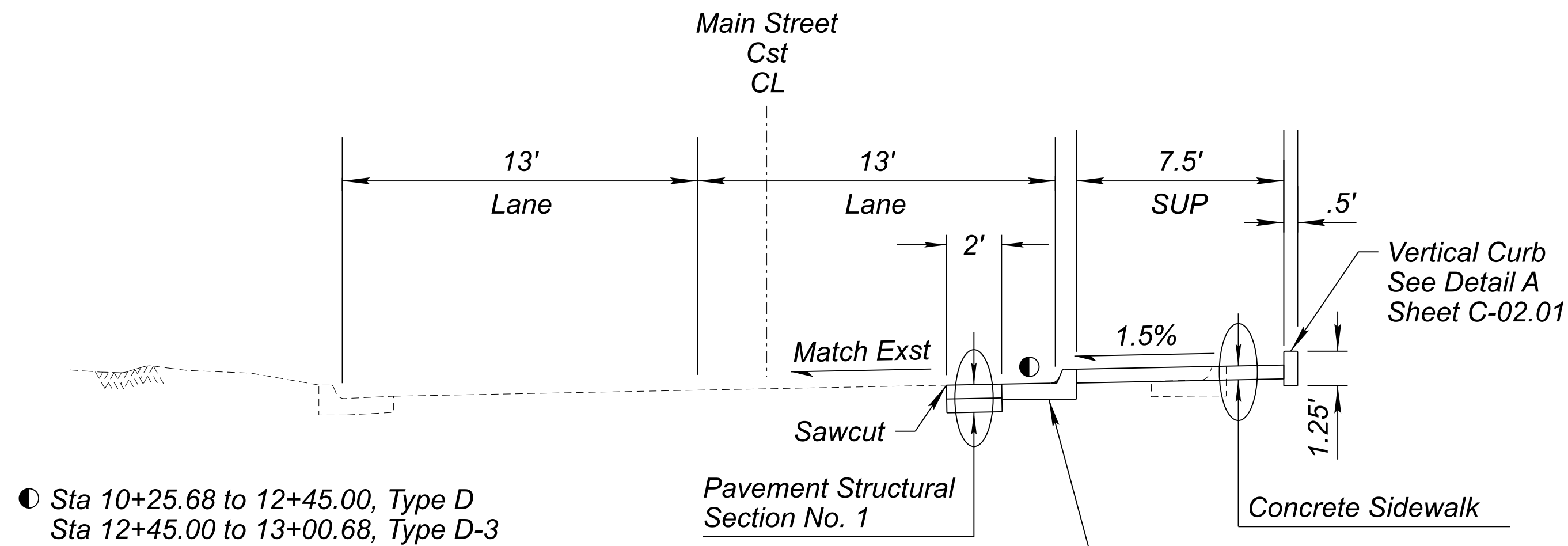


	NAME	DATE
DESIGN	TBB	06/26
DRAWN	RUB	06/26
CHECKED	NLM	06/26

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ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION PROJECT MANAGEMENT GROUP
DESIGN SHEET

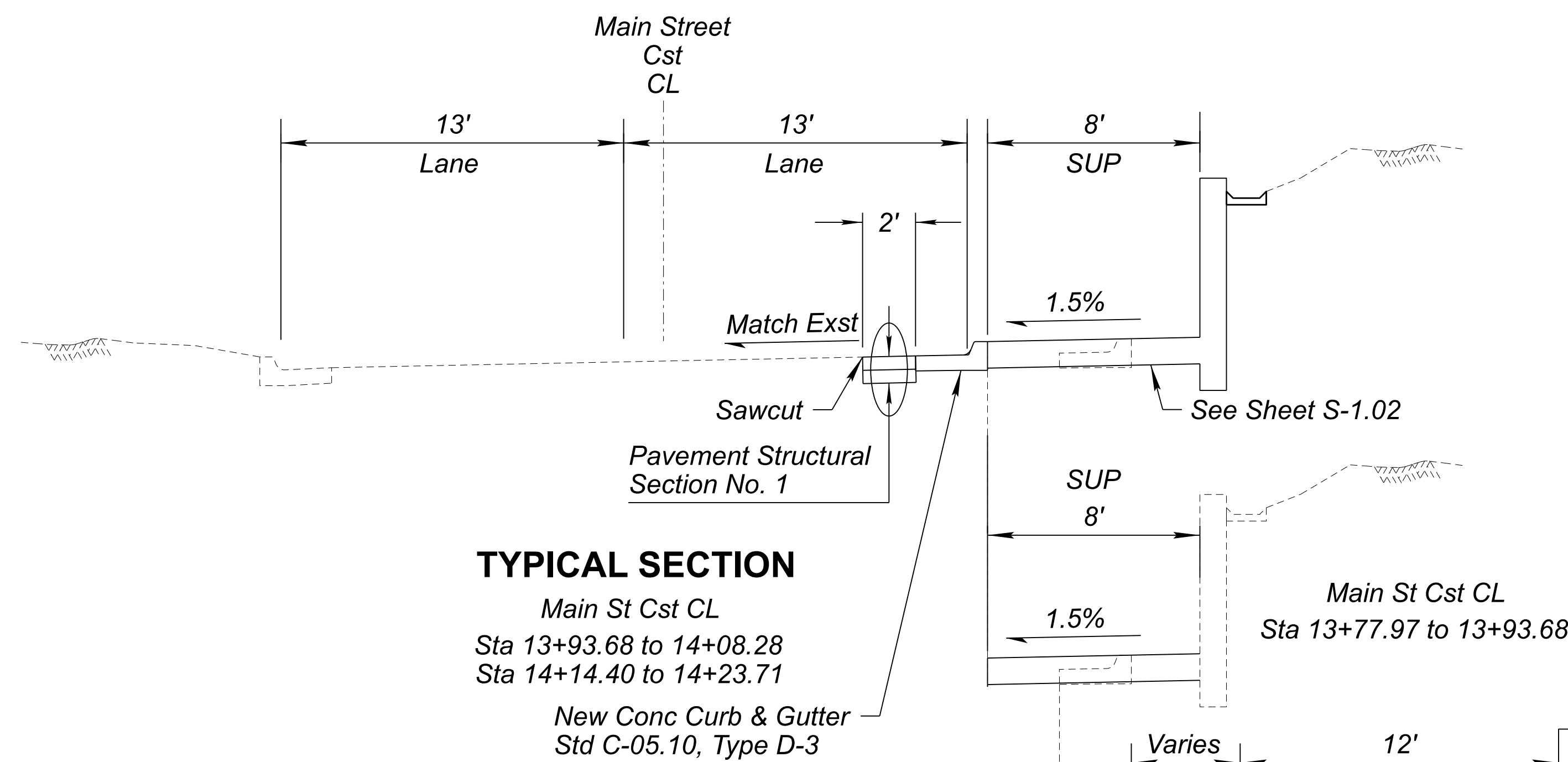
ROUTE SR 80	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. 0000 CH BIS	FEDERAL ID NO. BIS-0(207)T	SHEET NO. 2	TOTAL SHEETS 45	RECORD DRAWING
MILEPOST	LOCATION SR80; QUEEN MINE TOUR - OLD BISBEE					DWG NO. G-01.01	
STRUCTURE NO.	TRACS NO. T0621 01C					____ OF ____	



TYPICAL SECTION

Main St Cst CL
Sta 10+25.68 to 13+00.68

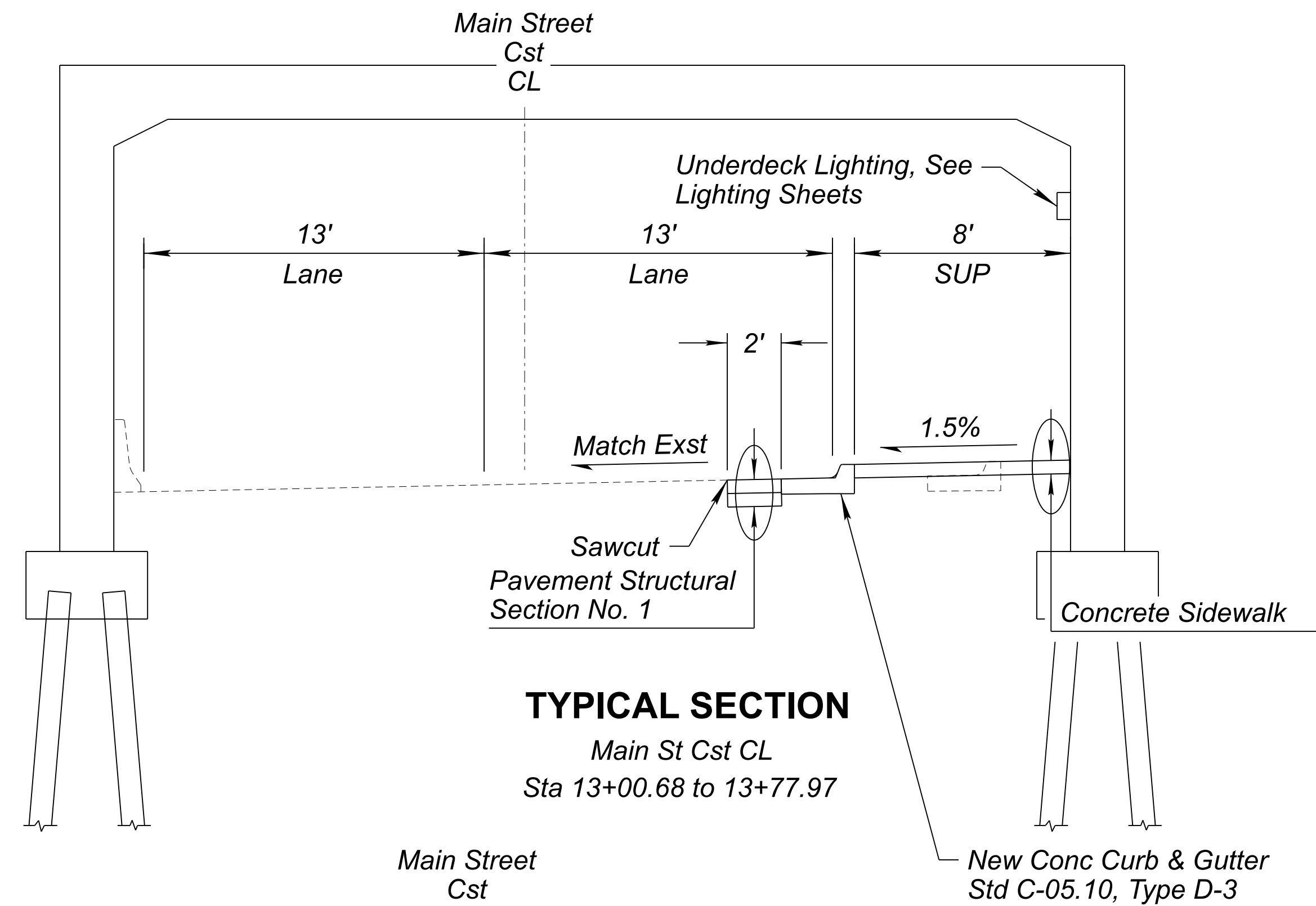
New Conc Curb & Gutter
Std C-05.10



TYPICAL SECTION

Main St Cst CL
Sta 13+93.68 to 14+08.28
Sta 14+14.40 to 14+23.71

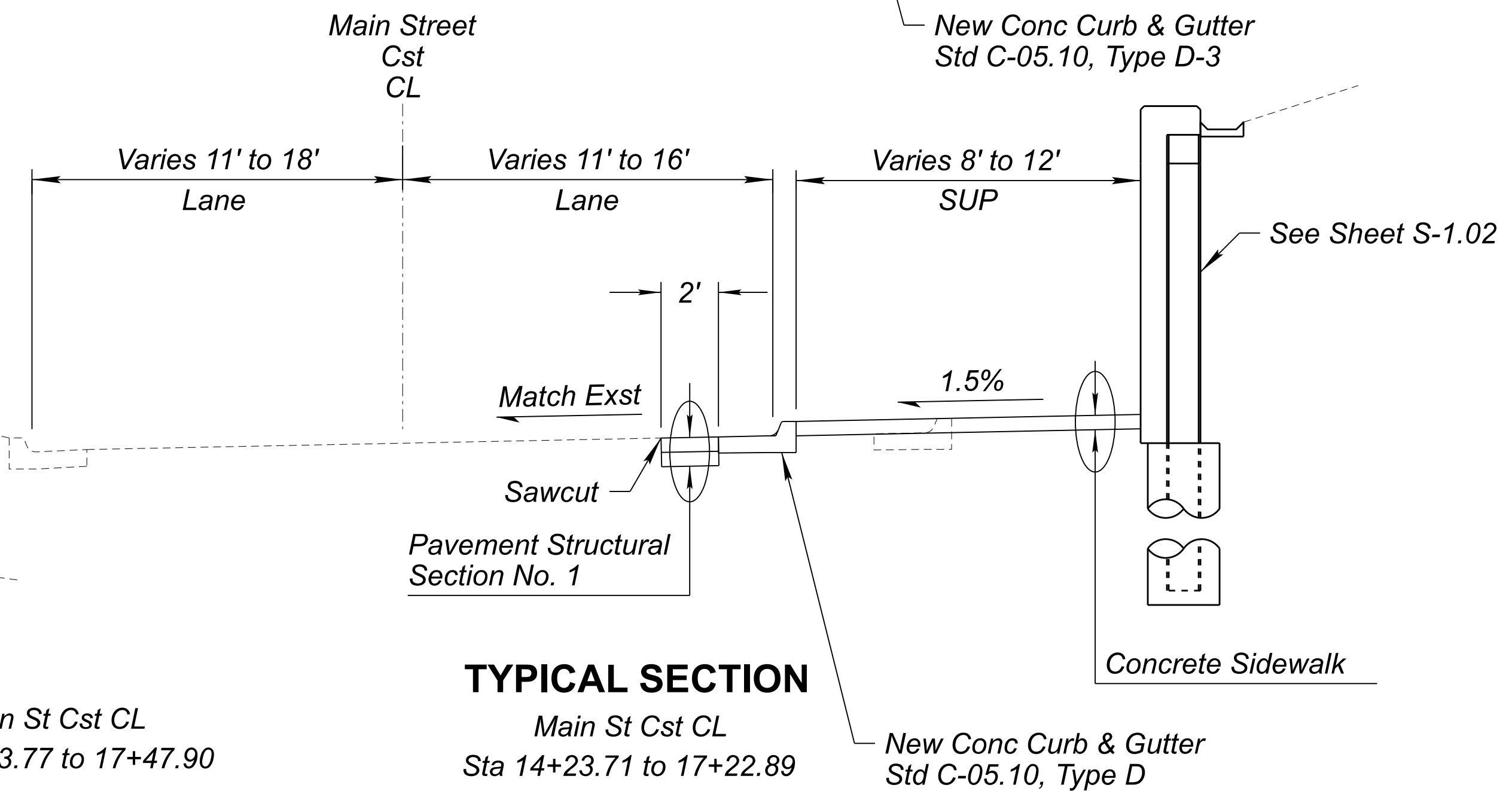
New Conc Curb & Gutter
Std C-05.10, Type D-3



TYPICAL SECTION

Main St Cst CL
Sta 13+00.68 to 13+77.97

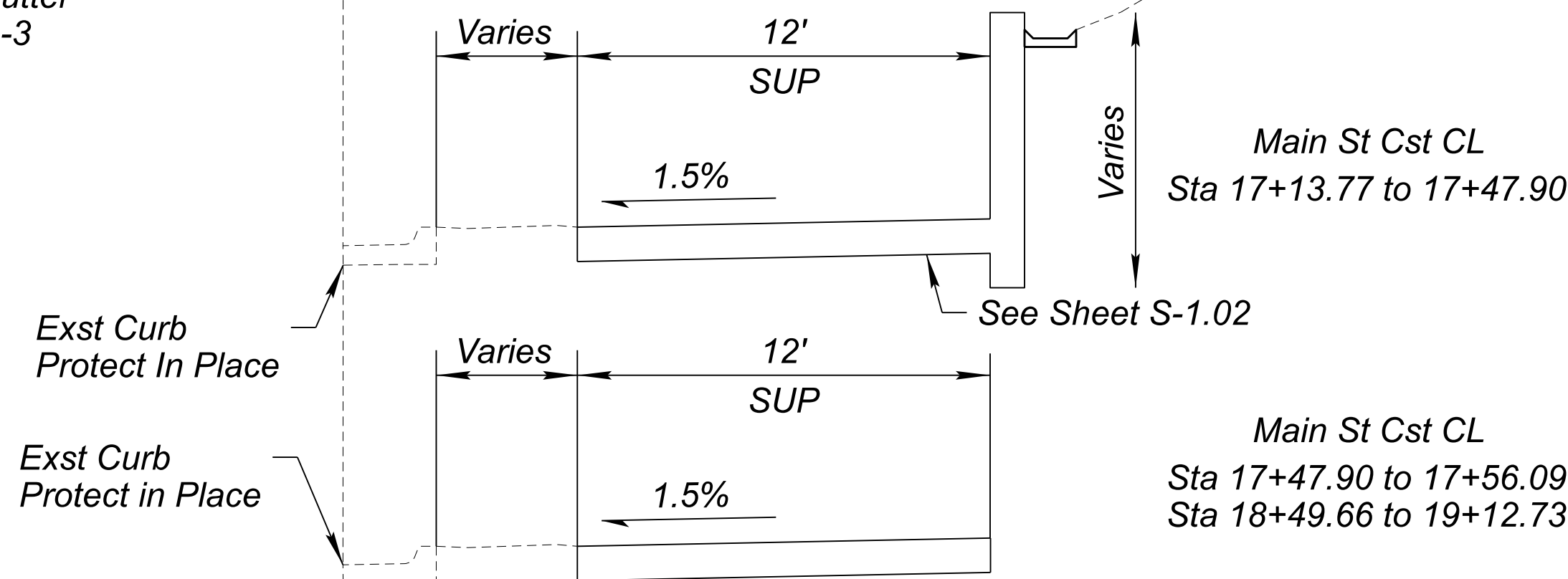
New Conc Curb & Gutter
Std C-05.10, Type D-3



TYPICAL SECTION

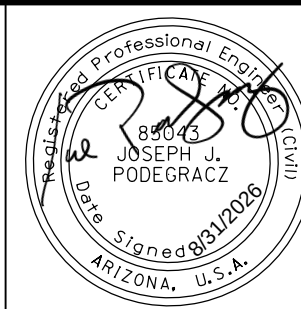
Main St Cst CL
Sta 14+23.71 to 17+22.89

New Conc Curb & Gutter
Std C-05.10, Type D



Main St Cst CL
Sta 17+13.77 to 17+47.90

Main St Cst CL
Sta 17+47.90 to 17+56.09
Sta 18+49.66 to 19+12.73



	NAME	DATE
DESIGN	TBB	06/26
DRAWN	RUB	06/26
CHECKED	NLM	06/26

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ARIZONA DEPARTMENT OF TRANSPORTATION
PROJECT DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGEMENT GROUP

TYPICAL SECTIONS
MAIN STREET

ROUTE
SR 80

MILEPOST

STRUCTURE NO.

F.H.W.A. Arizona Division

LOCATION SR80; QUEEN MINE TOUR - OLD BISBEE

TRACS NO. T0621 01C

STATE
ARIZ.

PROJECT NO.
0000 CH BIS

FEDERAL ID NO.
BIS-0(207)T

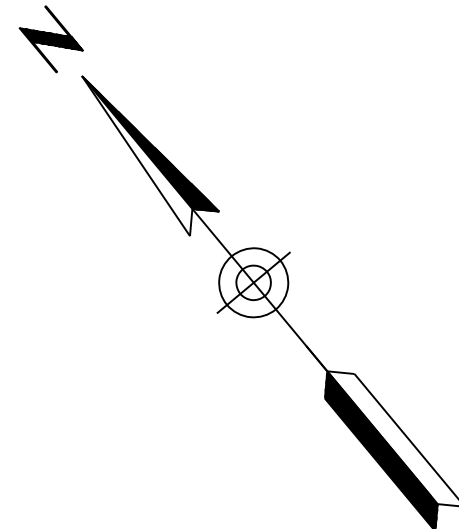
SHEET
NO. 3

TOTAL
SHEETS 45

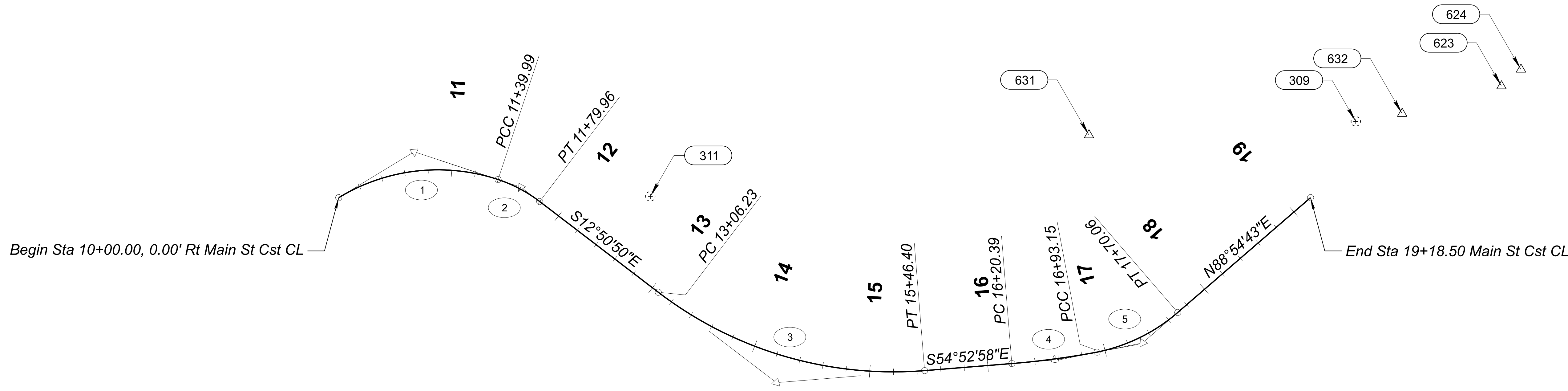
RECORD DRAWING

DWG NO. G-02.01

OF



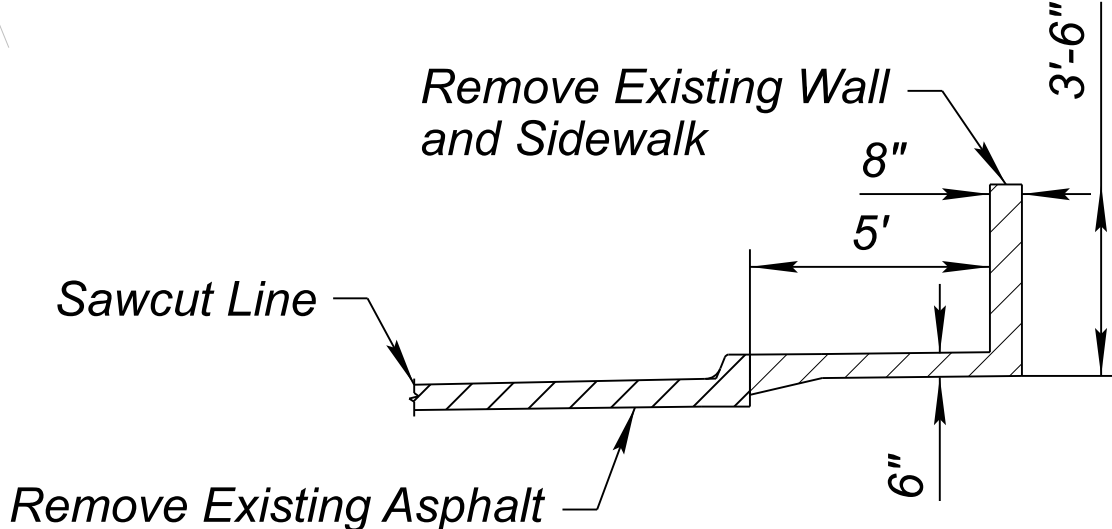
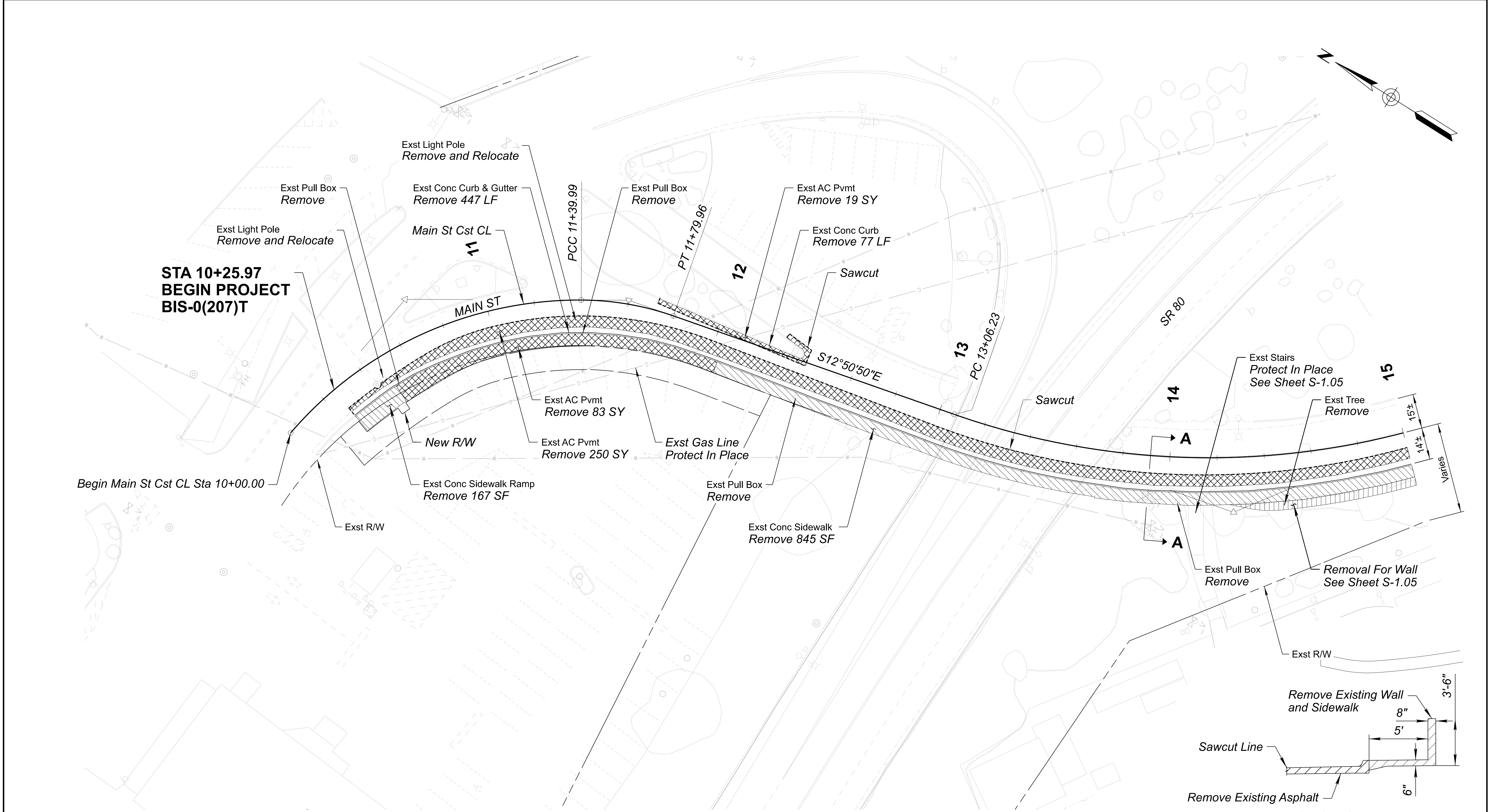
1	PI Sta 10+74.72 N = 160813.71 E = 779200.20 Main Curve Δ = 49°35'28.4" RT D = 35°25'31.7" R = 161.74' L = 139.99' T = 74.72' Ext = 14.91' Super = Match Existing	2	PI Sta 11+60.16 N = 160733.18 E = 779250.39 Main Curve Δ = 19°05'03.1" RT D = 47°44'47.7" R = 120.00' L = 39.97' T = 20.17 Ext = 1.66' Super = Match Existing	3	PI Sta 14+32.01 N = 160467.77 E = 779310.91 Main Curve Δ = 42°02'07.6" LT D = 17°30'09.9" R = 327.35' L = 240.17' T = 125.78' Ext = 21.78' Super = Match Existing	4	PI Sta 16+56.80 N = 160331.91 E = 779504.10 Main Curve Δ = 05°57'20.5" LT D = 08°11'06.5" R = 700.00' L = 72.76' T = 36.41' Ext = 0.95' Super = Match Existing	5	PI Sta 17+32.47 N = 160295.53 E = 779590.52 Main Curve Δ = 29°22'32.2" D = 38°11'50.1" R = 150.00' L = 76.91' T = 39.32' Ext = 4.90' Super = Match Existing
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LEGEND

XXX Geometric Control Point No.

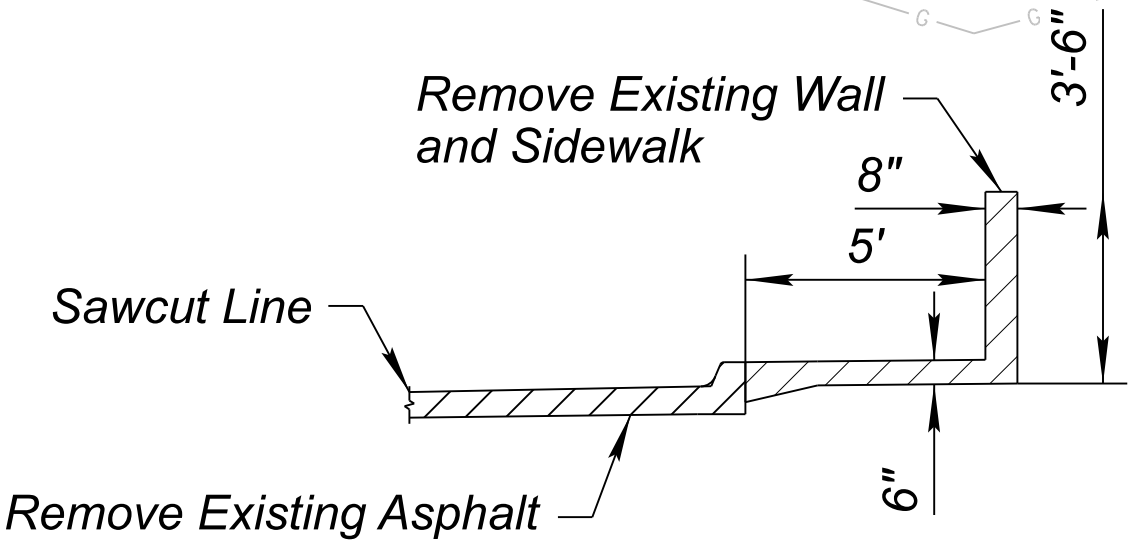
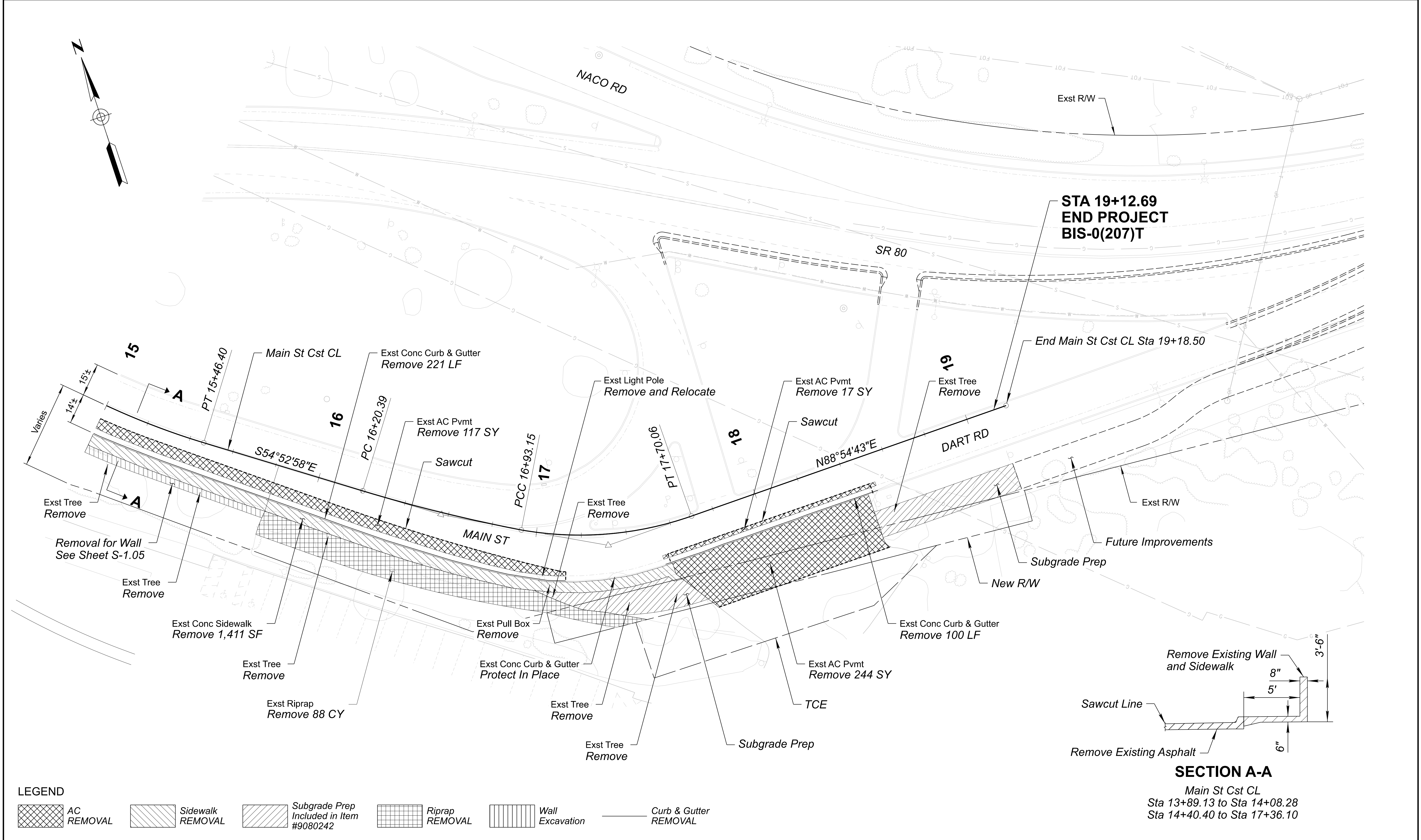
	NAME			DATE	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION PROJECT MANAGEMENT GROUP	ROUTE	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	DESIGN	TBB		06/26		MILEPOST			0000 CH BIS	BIS-0(207)T	5	45	
	DRAWN	RUB		06/26					LOCATION SR80; QUEEN MINE TOUR - OLD BISBEE				
	CHECKED	NLM		06/26	STRUCTURE NO.	TRACS NO. T0621 01C							
	Kimley»Horn © 2024 KIMLEY-HORN AND ASSOCIATES, INC.					GEOMETRIC LAYOUT SHEET MAIN STREET		DWG NO. G-04.01 ____ OF ____					



LEGEND			
	AC REMOVAL		Sidewalk REMOVAL
	Wall Excavation		Curb & Gutter REMOVAL

SECTION A-A
Main St Cst CL
Sta 13+89.13 to Sta 14+08.28
Sta 14+40.40 to Sta 17+36.10

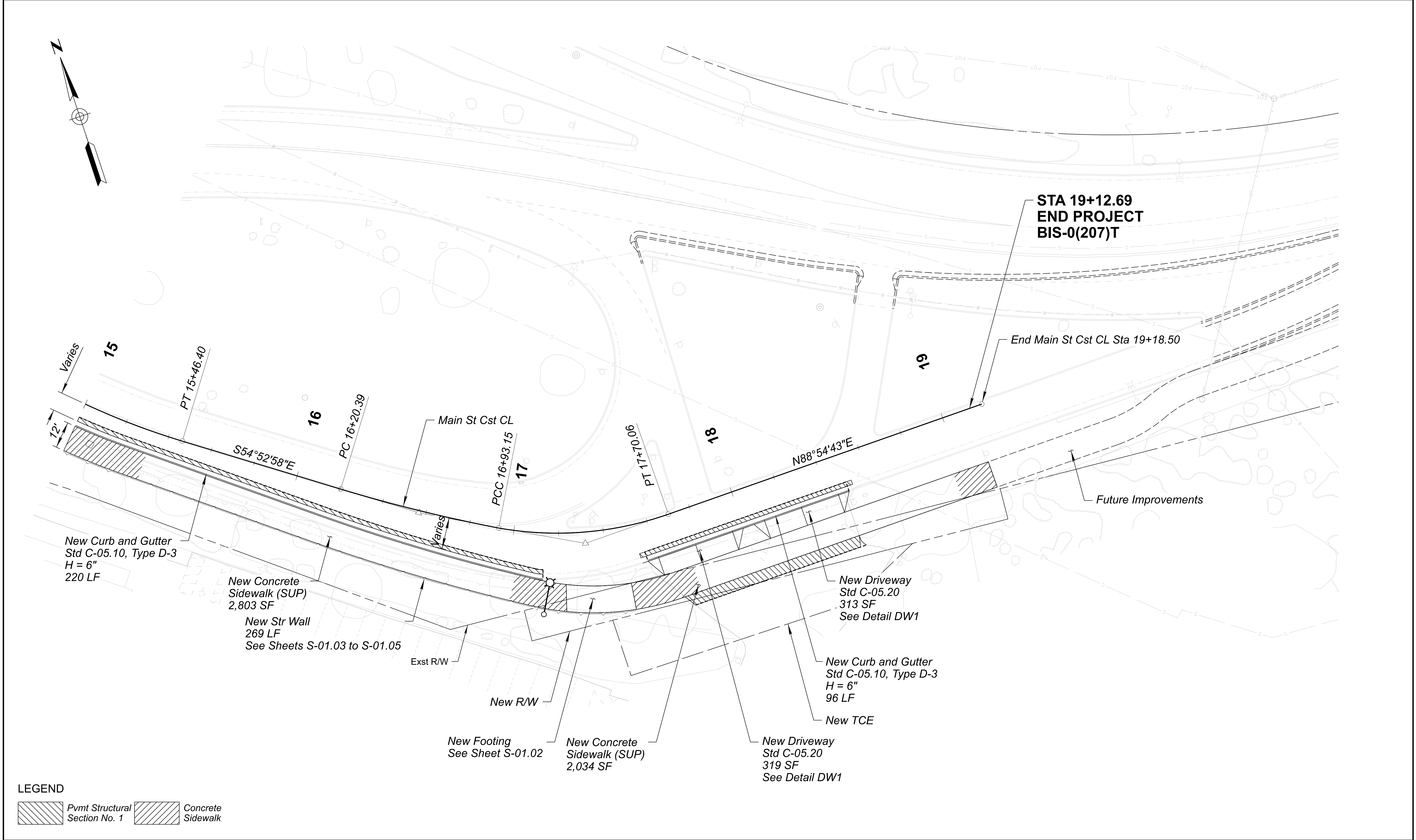
		NAME	DATE	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION PROJECT MANAGEMENT GROUP	ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING		
	DESIGN	TBB	06/26		SR 80			ARIZ.	0000 CH BIS	BIS-0(207)T	6		45	
	DRAWN	RUB	06/26		MILEPOST									
	CHECKED	NLM	06/26	STRUCTURE NO.	LOCATION		SR80; QUEEN MINE TOUR - OLD BISBEE						DWG NO.	C-01.01
				REMOVAL SHEET MAIN STREET Sta 10+00 to 15+00	TRACS NO.		T0621 01C						___ OF ___	



LEGEND					
	AC REMOVAL		Sidewalk REMOVAL		Subgrade Prep Included in Item #9080242
	Riprap REMOVAL		Wall Excavation		Curb & Gutter REMOVAL

SECTION A-A
Main St Cst CL
Sta 13+89.13 to Sta 14+08.28
Sta 14+40.40 to Sta 17+36.10

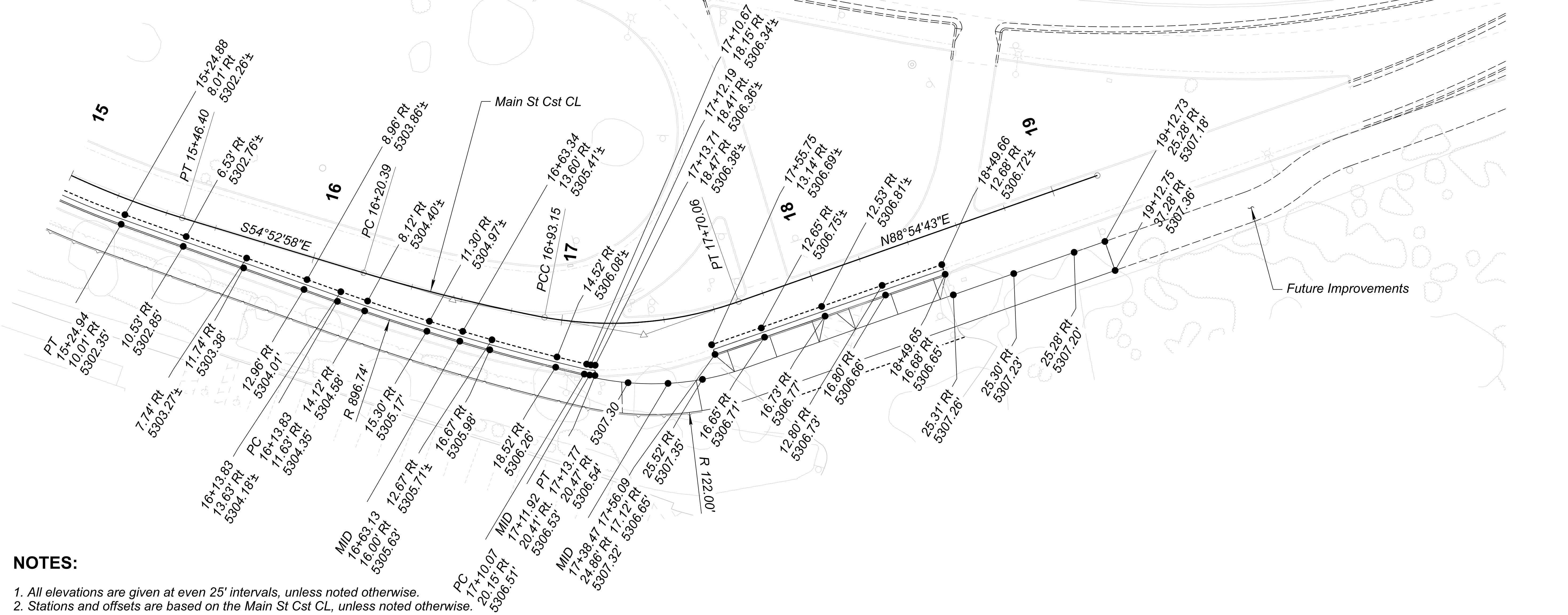
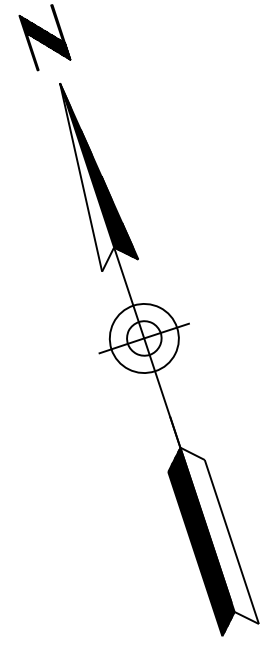
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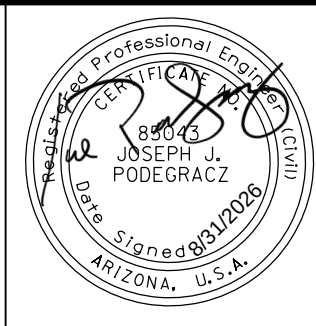
LEGEND

	Pvmt Structural Section No. 1		Concrete Sidewalk
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				ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION PROJECT MANAGEMENT GROUP	ROUTE SR 80		F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING		
					MILEPOST				0000 CH BIS	BIS-0(207)T	9	45			
	DESIGN TBB 06/26				STRUCTURE NO.		LOCATION SR80; QUEEN MINE TOUR - OLD BISBEE							DWG NO. C-02.02	
	DRAWN RUB 06/26						TRACS NO. T0621 01C							___ OF ___	
CHECKED NLM 06/26			Kimley»Horn 2024 KIMLEY-HORN AND ASSOCIATES, INC.			PLAN SHEET MAIN STREET STA 15+00 TO 19+18									



- NOTES:**
- 1. All elevations are given at even 25' intervals, unless noted otherwise.
 - 2. Stations and offsets are based on the Main St Cst CL, unless noted otherwise.



DESIGN	TBB	NAME	DATE
DRAWN	RUB		06/26
CHECKED	NLM		06/26

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ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION PROJECT MANAGEMENT GROUP	
STAKING SHEET MAIN ST STA 15+00 to 18+52	

ROUTE SR 80	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. 0000 CH BIS	FEDERAL ID NO. BIS-0(207)T	SHEET NO. 11	TOTAL SHEETS 45	RECORD DRAWING
MILEPOST		LOCATION SR80; QUEEN MINE TOUR - OLD BISBEE DWG NO. C-03.02					
STRUCTURE NO.	TRACS NO. T0621 01C		____ OF ____				

TRAFFIC CONTROL GENERAL NOTES:

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 costs to the Department .
2.

The retroreflective sheeting on all construction signs shall meet criteria established in Section 1007 of the specifications.
3.

Signs installed on spring stands shall be mounted at the height recommended by the spring stand manufacturer.
4.

The nearest edge or corner of a sign shall be approximately 6 feet from the nearest edge of pavement for all signs mounted on spring stands.
5.

Flags shall be mounted on top of all construction signs except the "END ROAD WORK THANK YOU" SIGN.
6.

Type A flashing warning lights shall be required on all construction signs used at night except the " END ROAD WORK 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 in accordance with the ADOT Temporary Traffic Control Design Guidelines (TCDG).
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 seperately, the cost being considered included the cost of 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 flurorescent 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.

The contractor may substitute Type 1 barricades for Type 2 barricades as long as the reflective area on the top panel of each Type 1 barricade is equivalent or greater than the reflective area of Type 2 barricade.
13.

When traffic control devices are not in use, they shall be covered or removed and resinstalled when needed again.
14.

All drawings are schematic only and not to scale.
15.

The contractor shall provide access to driveways and entrances to be used by residents and businesses where feasible. All closures of driveways and entrances shall be submitted to the Engineer as part of the TCP.

TRAFFIC CONTROL QUANTITIES								
BID ITEM NO.	ELEMENT OF WORK	UNIT	ACTIVITY 1	ACTIVITY 2	ACTIVITY 3	ACTIVITY 4	ACTIVITY 5	TOTAL QTYS***
	ESTIMATED DURATION	DAYS**	175*	78	2	3	15	175*
7010025	TEMPORARY IMPACT ATTENUATION DEVICE (IN-LINE ENERGY ABSORBING TERM.)	EACH	0	1	0	0	0	1
7010026	TEMPORARY IMPACT ATTENUATION DEVICE (IN-LINE ENERGY ABSORBING TERM.) (IN USE)	EACH-DAY	0	78	0	0	0	78
7015010	TEMPORARY CONCRETE BARRIER (INSTALLATION AND REMOVAL)	L.FT.	0	750	0	0	0	750
7016020	TEMPORARY CONCRETE BARRIER (IN USE)	L.FT.-DAY	0	58500	0	0	0	58,500
7016030	BARRICADE (TYPE 1, TYPE 2, VERT.PANEL, TUBULAR MARKER)	EACH-DAY	0	3900	0	0	0	3,900
7016031	BARRICADE (TYPE 3, HIGH LEVEL FLAG TREE)	EACH-DAY	0	1320	0	0	0	1,320
7016033	PORTABLE SIGN STAND (SPRING TYPE)	EACH-DAY	3150	3042	8	10	0	6,210
7016035	WARNING LIGHT (TYPE A)	EACH-DAY	3150	4360	8	12	0	7,530
7016037	WARNING LIGHT (TYPE C)	EACH-DAY	0	3900	0	0	0	3,900
7016050	TRUCK-MOUNTED ATTENUATOR	EACH-DAY	0	0	2	3	0	5
7016051	TEMPORARY SIGN (LESS THAN 10 S.F.)	EACH-DAY	0	2180	8	12	0	2,200
7016052	TEMPORARY SIGN (10 S.F. OR MORE)	EACH-DAY	3150	2180	0	0	0	5,330
7016061	FLASHING ARROW PANEL	EACH-DAY	0	0	4	6	0	10
7016067	CHANGEABLE MESSAGE BOARD (CONTRACTOR FURNISHED)	EACH-DAY	170	0	0	0	0	170
7016075	FLAGGING SERVICES (CIVILIAN)	HOUR	0	200	0	0	0	200
7016081	FLAGGING SERVICES (DPS)	HOUR	0	200	0	0	0	200

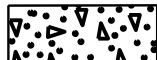
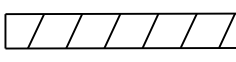
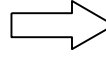
* Activity durations are in calendar days.
** Activity duration is in working days.

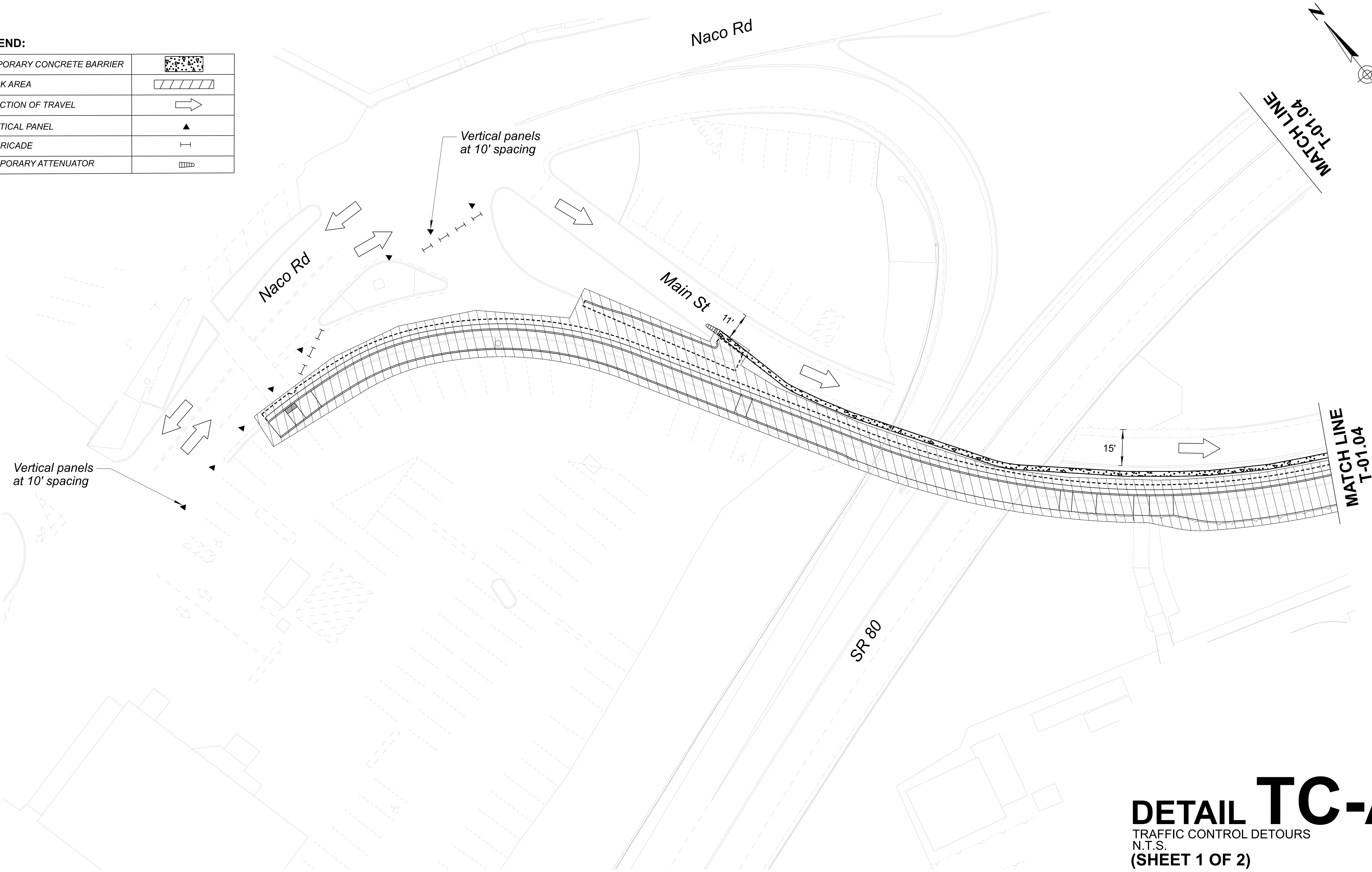
	DESIGN	EG	DATE	08/26	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION PROJECT MANAGEMENT GROUP	ROUTE	SR 80	F.H.W.A. Arizona Division	STATE	ARIZ.	PROJECT NO.	0000 CH BIS	FEDERAL ID NO.	BIS-0(207)T	SHEET NO.	12	TOTAL SHEETS	45	RECORD DRAWING
	DRAWN	TB		08/26		MILEPOST					LOCATION	SR80; QUEEN MINE TOUR - OLD BISBEE					DWG NO. T-01.01		
	CHECKED	EGK		08/26		STRUCTURE NO.					TRACS NO.	T0621 01C					____ OF ____		
					TRAFFIC CONTROL GENERAL NOTES														

MAINTENANCE AND PROTECTION OF TRAFFIC AND CONSTRUCTION PHASING			
ACTIVITY	CONSTRUCTION ACTIVITY	TRAFFIC CONTROL	REMARKS
1	Mobilization and Install Advance Warning Signs	Maintain all existing travel lanes. Close EB SR 80 shoulder similar to Figure SA-15 of the ADOT TCDG.	All advance warning signs shall be placed on spring or rigid stands. Changeable message boards shall be installed at least 7 calendar days prior to traffic control implementation.
2	Sawcut and Repave SB Main St Construct New Curb, Shared Use Path, Retaining Wall, and Driveway at Dart Rd Obliterate Existing Pavement Markings	Close SB lane on Main St and shift SB traffic to NB lane per Detail TC-A. Close SR 80 off-ramp to NB Main St per Detail TC-A. Detour traffic traveling SB on SR 80 and exiting to travel NB on Main St south to the SR 80, SR 92 and Bisbee Rd roundabout where drivers can get back on SR 80 NB traffic to Naco Rd.	All signs shall be placed on spring stands.
3	Initial Pavement Markings	Mobile operations per ADOT TCDG Figure SA-19B.	
4	Final Pavement Markings	Mobile operations per ADOT TCDG Figure SA-19B.	
5	Demobilization	Maintain all existing travel lanes.	

	DESIGN	EG	08/26	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION PROJECT MANAGEMENT GROUP	ROUTE	SR 80	F.H.W.A. Arizona Division	STATE	ARIZ.	PROJECT NO.	0000 CH BIS	FEDERAL ID NO.	BIS-0(207)T	SHEET NO.	13	TOTAL SHEETS	45	RECORD DRAWING
	DRAWN	TB	08/26		MILEPOST					LOCATION	SR80; QUEEN MINE TOUR - OLD BISBEE				DWG NO. T-01.02			
	CHECKED	EGK	08/26		STRUCTURE NO.					TRACS NO.	T0621 01C		____ OF ____					
				MAINTENANCE AND PROTECTION OF TRAFFIC														

LEGEND:

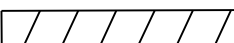
TEMPORARY CONCRETE BARRIER	
WORK AREA	
DIRECTION OF TRAVEL	
VERTICAL PANEL	
BARRICADE	
TEMPORARY ATTENUATOR	

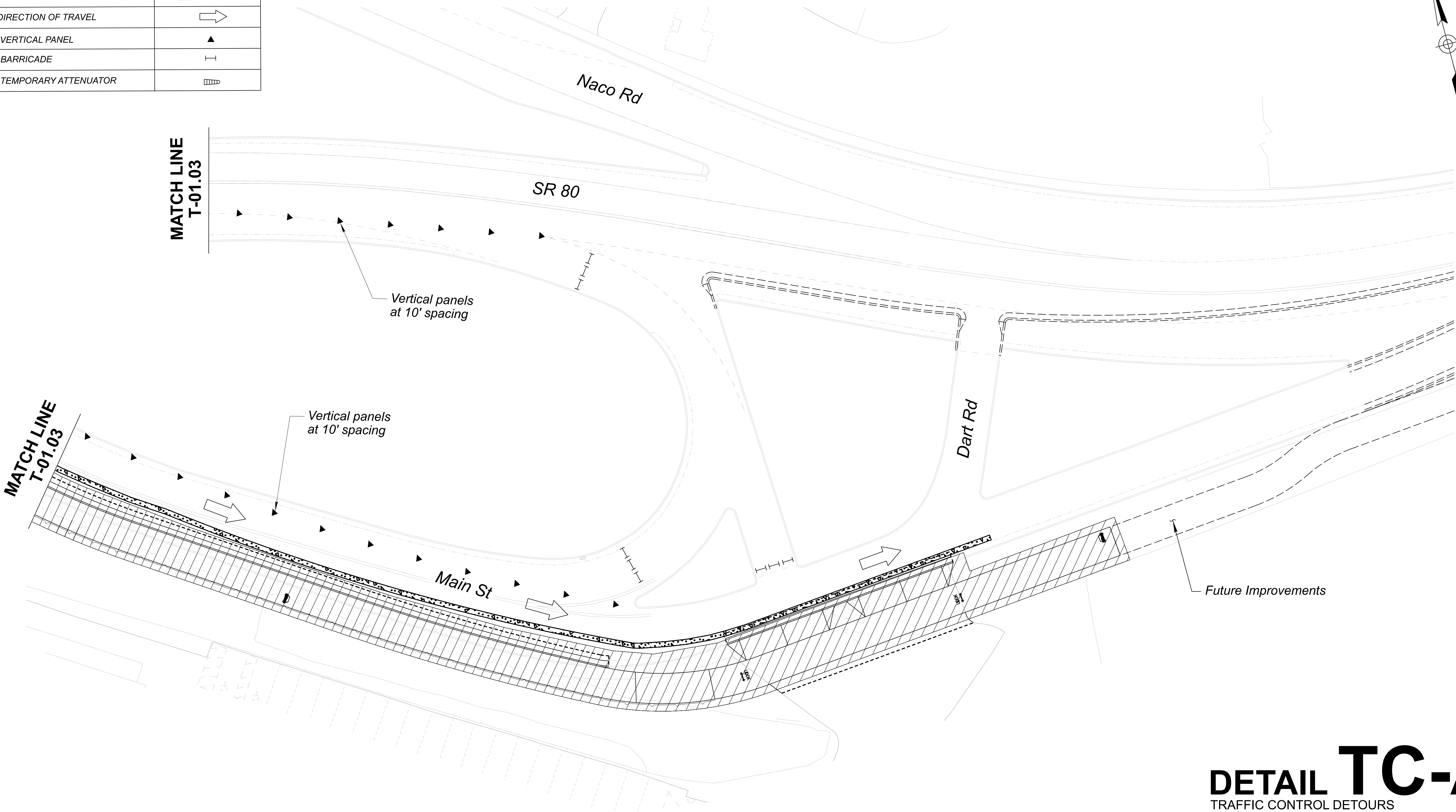
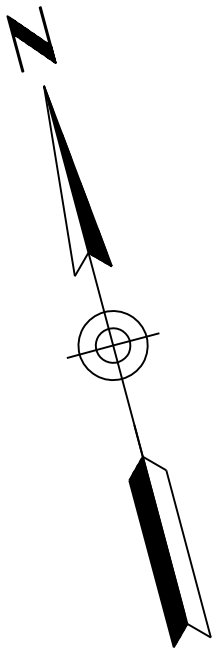


DETAIL TC-A
TRAFFIC CONTROL DETOURS
N.T.S.
(SHEET 1 OF 2)

				ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION PROJECT MANAGEMENT GROUP	ROUTE SR 80	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	DESIGN	EG	DATE					08/26	0000 CH BIS	BIS-0(207)T	14	
	DRAWN	TB	08/26		CONSTRUCTION PHASE 1	MILEPOST	LOCATION SR80; QUEEN MINE TOUR - OLD BISBEE					
	CHECKED	EGK	08/26									
	Kimley»Horn			DWG NO. T-01.03								
	© 2008 KIMLEY-HORN AND ASSOCIATES, INC.			TRACS NO. T0621 01C						___ OF ___		

LEGEND:

TEMPORARY CONCRETE BARRIER	
WORK AREA	
DIRECTION OF TRAVEL	
VERTICAL PANEL	
BARRICADE	
TEMPORARY ATTENUATOR	



DETAIL TC-A
TRAFFIC CONTROL DETOURS
N.T.S.
(SHEET 2 OF 2)

		NAME	DATE	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION PROJECT MANAGEMENT GROUP	ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING	
	DESIGN	EG	08/26		SR 80		ARIZ.	0000 CH BIS	BIS-0(207)T	15	45		
	DRAWN	TB	08/26		MILEPOST	LOCATION SR80; QUEEN MINE TOUR - OLD BISBEE							
	CHECKED	EGK	08/26		STRUCTURE NO.								TRACS NO. T0621 01C
	Kimley»Horn © 2008 KIMLEY-HORN AND ASSOCIATES, INC.				CONSTRUCTION PHASE 1		DWG NO. T-01.04						
												____ OF ____	

PAVEMENT MARKING GENERAL NOTES:

1.

All pavement marking shall be in compliance with the ADOT Signing and Marking Standard Drawings and the 11th edition Manual on Uniform Traffic Control Devices (MUTCD), including the Arizona Supplement.
2.

The pavement marking drawings are schematic only and not to scale. The contractor shall follow all dimensions and details when installing pavement markings.
3.

The pavement marking dimensions are to the center of the striping or in the case of double striping to the center of the double striping and are to the face of curb, face of barrier, or edge of pavement, unless otherwise noted.
4.

It is the contractors responsibility to ensure that the final surface course is placed so that the striping is offset one foot (1'-0") clear of the construction joint, unless otherwise directed by the Engineer.
5.

The initial striping shall be 15 mil wet (0.015 inch wet) thick pavement marking paint in accordance with Section 708 of the specifications. The striping shall be installed on the roadway surface after the installation of the final pavement surface and maintained until application of final striping.
6.

The contractor shall be responsible for the layout and intallation of permanent pavement markings on the final surface course following control points that have been set no more than 50 feet apart along the lines to be striped.
7.

The contractor shall preserve all existing pavement markings and raised pavement markers that are to remain except where noted otherwise, and shall replace any damaged markings as a result of the construction at no additional expense to the Department.
8.

Single arrow and "ONLY" legends shall be installed in accordance with ADOT Standard Drawings. All arrows and "ONLY" legends shall be white 90 mil (0.090 inch) thick, extruded thermoplastic.
9.

Final striping shall be 90 mil (0.090 inches) thick alkyd extruded thermoplastic reflectorized striping placed over the existing striping, placed at a minimum of 30 calendar days after the initial striping. All other markings shall be applied at the same time.
10.

All crosswalk and stop bar markings shall be installed per ADOT Standard Drawing M-2.
11.

The contractor shall contact ADOT Southern Region Signing and Striping, David Lee at (520) 255-1490 or Mark Ronquillo at (520) 307-0357, at least 10 days prior to final striping installation to verify the striping layout.
12.

Bicycle green pavement marking shall be preformed thermoplastic.
13.

"LOOK WITH ARROW" will be paid for under item 7050019, each separately.
14.

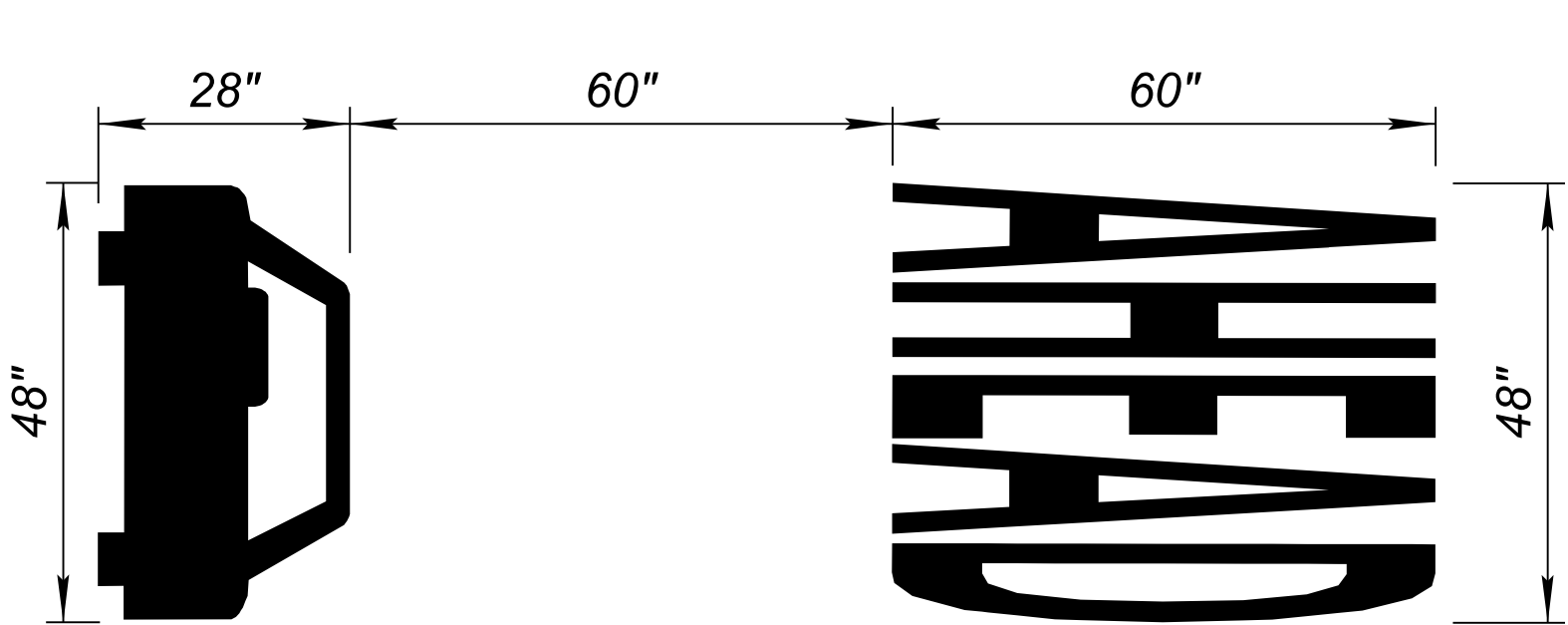
The Bicycle and Pedestrian symbol from the "BICYCLE, PEDESTRIAN, AND ARROW DETAIL" will be paid for under item 7050028, each separately.
15.

The Vehicle symbol from the "VECHICLE AHEAD DETAIL" will be paid for under item 7050028. "AHEAD" in this detail will be paid for under item 7040074.
16.

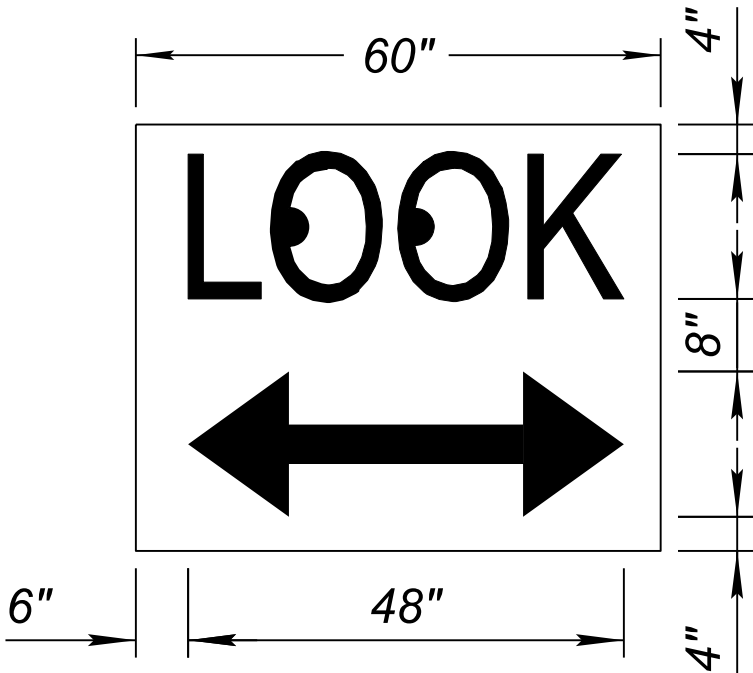
The Pedestrian symbol from the "PEDESTRIAN, KEEP RIGHT, AND ARROW DETAIL" will be paid for under item 7050028. "KEEP" and "RIGHT" in this detail will be paid for under item 7040074, each separately. The Arrow in this detail will be paid under item 7050023.
17.

The Slow symbol from the "SLOW DETAIL" will be paid for under item 7040074.

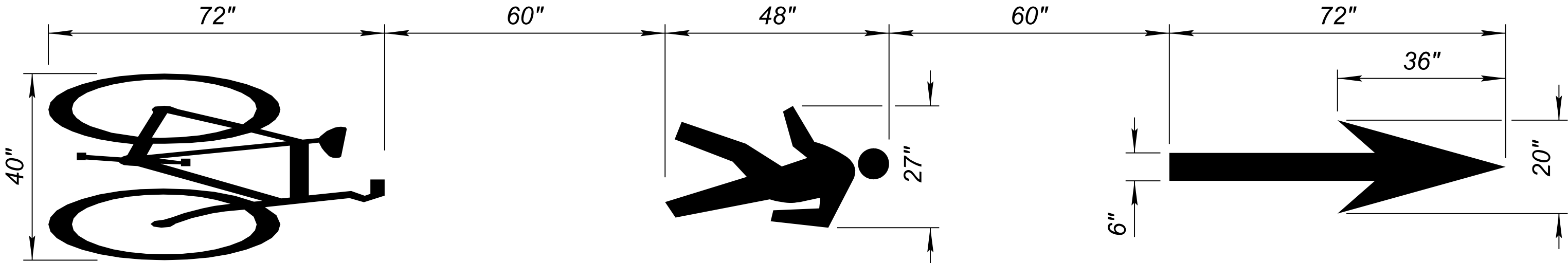
BID ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY
7015052	OBLITERATE PAVEMENT MARKING (STRIPE)	L.FT.	1,860
7040005	PAVEMENT MARKING (WHITE EXTRUDED THERMOPLASTIC) (0.090")	L.FT.	2,180
7040006	PAVEMENT MARKING (YELLOW EXTRUDED THERMOPLASTIC) (0.090")	L.FT.	2,450
7040074	PAVEMENT SYMBOL (EXTRUDED THERMOPLASTIC) (ALKYD) (0.090")	EACH	8
7050019	PAVEMENT MARKING, PREFORMED, LEGEND, TYPE I	EACH	2
7050023	PAVEMENT MARKING, PREFORMED, SINGLE ARROW, TYPE I	EACH	4
7050028	PAVEMENT MARKING, PREFORMED,SYMBOL, TYPE I	EACH	8
7080201	WATERBORNE-TYPE I PAVEMENT MARKING (PAINTED) (WHITE)	L.FT.	1,700
7080202	WATERBORNE-TYPE I PAVEMENT MARKING (PAINTED) (YELLOW)	L.FT.	1,720
7080301	PAINT BULL NOSE	EACH	1
9240181	MISCELLANEOUS WORK (PORTLAND GREEN PREFORMED THERMOPLASTIC) (0.120")	SQ.YD.	40



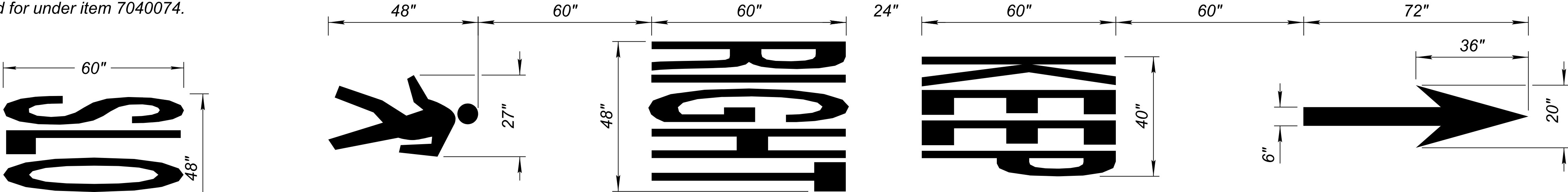
VEHICLE AHEAD DETAIL



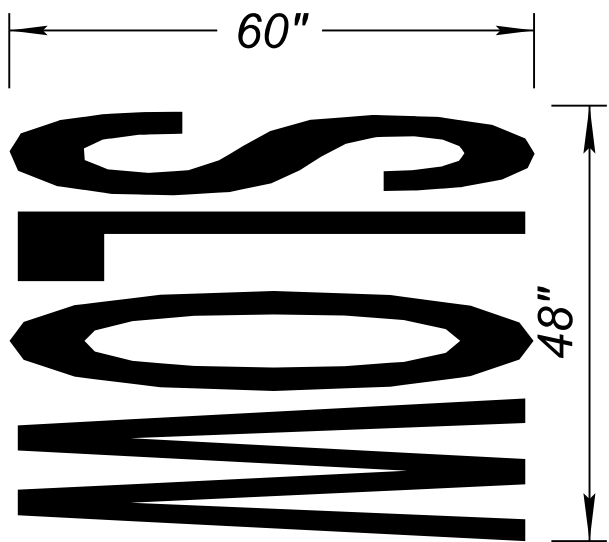
LOOK WITH ARROW DETAIL



BICYCLE, PEDESTRIAN, AND ARROW DETAIL



PEDESTRIAN, KEEP RIGHT, AND ARROW DETAIL



SLOW DETAIL



	NAME	DATE
DESIGN	EG	08/26
DRAWN	TB	08/26
CHECKED	EGK	08/26

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ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION PROJECT MANAGEMENT GROUP
PAVEMENT MARKING GENERAL NOTES AND QUANTITIES

ROUTE SR 80	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. 0000 CH BIS	FEDERAL ID NO. BIS-0(207)T	SHEET NO. 16	TOTAL SHEETS 45	RECORD DRAWING
LOCATION SR80; QUEEN MINE TOUR - OLD BISBEE	TRACS NO. T0621 01C	DWG NO. T-02.01	OF				

SIGNING GENERAL NOTES:

1. *All signs shall be in compliance with the Manual on Uniform Traffic Control Devices (MUTCD), 11th edition, the Arizona supplement to the MUTCD, the ADOT signing and markings drawings and the Traffic Engineering Manual of Approved Signs.*
2. *All sign locations are approximate. The contractor shall verify actual sign locations and actual sign post lengths with the Engineer prior to constructing the foundations for the sign supports.*
3. *The contractor shall be responsible for securing all underground utility locations where foundations are installed. Special care needs to be taken to insure that all underground utilities are avoided. Utility locations are not shown on the signing plans.*
4. *Where signs are being removed or replaced, the foundations shall be removed entirely or the foundation shall be removed a minimum of 2 feet below finished grade, as directed by the Engineer.*
5. *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, unless otherwise noted.*
6. *Offsets for all signs shall be measured from the edge of the roadway to the nearest edge of sign.*
7. *Slip bases shall be installed in accordance with ADOT Standard Drawings S-3 (Sht. 16 of 16).*
8. *Retroreflective sheeting on all new signs shall conform to Section 1007 of the specifications and Section 380 of ADOT's Traffic Guidelines and Processes.*
9. *The contractor shall replace any signs, object markers and delineators that are damaged as a result of the construction activities at no additional cost to the Department.*
10. *Signing may be modified as directed by the Engineer.*
11. *All removed signs, structures, and materials shall be the property of the contractor when indicated as being removed, and not relocated, on the sign summary plans.*
12. *Existing signs indicated on the sign summaries that do not need to be removed or relocated shall remain. If construction activities require a sign assembly removal not noted on the plan, the sign assembly shall be replaced as a new and placed as near as possible to the existing location as directed by the Engineer. The removal or replacement for sign assemblies for any construction activity shall be included in the cost of that activity and no further compensation shall be made.*
13. *All new ground-mounted signs shall be installed with two nuts per bolt. All bolts shall have hex heads, not slotted heads. Only cadmium plated or zinc plated steel washers shall be used between each bolt head and the face of the panel. The bolts and washers shall not be painted unless the bolt coincides with the sign legend.*
14. *All new signs to be installed on new squared posts with the foundations are indicated in ADOT Standard Drawings.*
15. *Shop drawings will be required.*
16. *The contractor shall contact ADOT Southern Region Signing and Striping, David Lee at (520) 255-1490 or Daniel Acosta at (520) 419-1323, at least 10- days prior to final signing installation to verify the signing layout.*

BID ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QNTY
6070048	FOUNDATION FOR SQUARE TUBE POST	EACH	10
6070054	SIGN POST (PERFORATED) (2 S)	L.FT.	12
6070055	SIGN POST (PERFORATED) (2 ½ S)	L.FT.	33
6070057	SIGN POST (PERFORATED) (2 ½ T)	L.FT.	80
6080005	REGULATORY, WARNING, OR MARKER SIGN PANEL	SQ.FT.	62
6080110	REMOVE AND REINSTALL SIGN	EACH	8
6080120	SIGN (REMOVE AND RELOCATE)	EACH	1

		<table><tr><th></th><th>NAME</th><th>DATE</th></tr><tr><td>DESIGN</td><td>EG</td><td>08/26</td></tr><tr><td>DRAWN</td><td>TB</td><td>08/26</td></tr><tr><td>CHECKED</td><td>EGK</td><td>08/26</td></tr></table>		NAME	DATE	DESIGN	EG	08/26	DRAWN	TB	08/26	CHECKED	EGK	08/26	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION PROJECT MANAGEMENT GROUP	ROUTE	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
			NAME	DATE																			
		DESIGN	EG	08/26																			
		DRAWN	TB	08/26																			
CHECKED	EGK	08/26																					
MILEPOST	0000 CH BIS	BIS-0(207)T	17	45																			
STRUCTURE NO.	LOCATION SR80; QUEEN MINE TOUR - OLD BISBEE								DWG NO. T-02.02														
	TRACS NO. T0621 01C								___ OF ___														

Plan Sht No.	Sign Number	MOAS Sign Code	New	Work				Offset (ft)	Mounting Height (ft)	Background Color	Panel	Width (in)	Height (in)	Area (sq. ft)	Type	Bid Item Number	Foundations	Ground Mounted		New Slipbases	Stringer		Overhead		Remarks				
				Replace Panel	Relocate Panel	Relocate Structure	Remove To Remain											Post	Type		Total length (ft)	Structure Type	Number of Lights						
																								Existing					
											Legend							Type	Total length (ft)	Type	Total length (ft)	Structure Type	Number of Lights						
T-02.05	STA 10+45	W11-2	X							YL	Pedestrian Crossing Symbol	36	36	9.0	RWM	6080005								MOUNT ON LIGHT POLE					
	+	W16-7P	X							YL	Diagonal Arrow Plaque	30	18	3.8	RWM	6080005								MOUNT ON LIGHT POLE					
	+	CUSTOM		X						BL	QUEEN MINE TOUR					6080120								MOUNT ON LIGHT POLE					
T-02.05	STA 10+40	W11-2	X					12	7	YL	Pedestrian Crossing Symbol	36	36	9.0	RWM	6080005	1	2 1/2T	14	1									
	+	W16-7P	X							YL	Diagonal Arrow Plaque	30	18	3.8	RWM	6080005													
T-2.05	STA 10+80	D3-1					X				OK STREET																		
	+	D3-1					X				NACO ROAD																		
	+	R1-1					X				STOP																		
T-02.05	STA 10+82	CUSTOM					X				BENSON / DOUGLAS																		
	+	CUSTOM					X				VISITOR CENTER																		
	-	CUSTOM					X				VISITOR CENTER																		
T-02.05	STA 11+00	R6-1L					X				ONE WAY (Left)																		
T-02.05	STA 11+03	W12-2		X				7		YL	13'-5" CLEARANCE SYMBOL	36	36	9.0	RWM	6080110	1	2 1/2T	12	1				CENTER IN MEDIAN					
T-02.05	STA 11+15	R1-2					X				YIELD																		
	+	CUSTOM					X				VISITOR CENTER																		
T-02.05	STA 11+41	R6-1L					X				ONE WAY (Left)																		
T-02.05	STA 11+54	R6-1L					X				ONE WAY (Left)																		
T-02.05	STA 11+55	R1-1					X				STOP																		
T-02.05	STA 12+17	R4-7		X				7	WH		Keep Right Symbol					6080110	1	2 1/2T	15	1				CENTER IN MEDIAN					
	+	OM1-2		X				4	YL		TYPE 1 OBJECT MARKER					6080110													
T-02.05	STA 12+31	CUSTOM					X				24 HOUR PARKING																		
T-02.05	STA 12+33	R3-4					X				No U-Turn Symbol																		
T-02.05	STA 12+53	R4-7					X				Keep Right Symbol																		
T-02.05	STA 12+57	R5-1					X				DO NOT ENTER																		
T-02.05	STA 12+67	R2-1	X					12	7	WH	SPEED LIMIT (25)	30	36	7.5	RWM	6080005	1	2 1/2S	15										
	+	CUSTOM		X						BL	VISITOR CENTER					6080110													
T-02.05	STA 12+98	OM3-R	X							YL	Type 3 Object Marker	12	36	3.0	RWM	6080005								MOUNT ON STRUCTURE					
T-02.05	STA 12+78	M3-4					X				WEST																		
	+	M1-5a					X				ARIZONA(80)																		
	+	M6-2					X				Diagonal Arrow																		
T-02.05	STA 12+85	CUSTOM					X				MOTORCYCLE PARKING ONLY																		
T-02.05	STA 13+00	W12-2a					X				LOW CLEARANCE (13FT 5 IN)													MOUNTED ON STRUCTURE					
NOTES: 1. The Contractor shall verify post lengths and elevations. 2. The Engineer may shift a sign in order to achieve a more desirable location. 3. Quantities are approximate and for the Contractor's information only.											PANEL TYPES: RWM: Regulatory, Warning, or Marker F-DA: Flat-sheet aluminum F-Dem: Flat-sheet aluminum with demountable characters Ext: Aluminum extrusions Incr: Aluminum sheet increment Over: Overhead (New overlaid extrusions)						COLORS: BK: Black BL: Blue BR: Brown GR: Green RD: Red WH: White YL: Fluorescent Yellow				POST TYPES: S: Single perforate T: Telescoping perforated		STRINGER TYPES: P: Square-tube Post T: T-section (WT 3x6)						
											DESIGN	EG	NAME	DATE	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION PROJECT MANAGEMENT GROUP				ROUTE	SR 80	F.H.W.A. Arizona Division		STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING	
											DRAWN	TB		08/26					MILEPOST				ARIZ.	0000 CH BIS	BIS-0(207)T	18	45		
											CHECKED	EGK		08/26	SIGN SUMMARY				STRUCTURE NO.	LOCATION SR80; QUEEN MINE TOUR - OLD BISBEE							DWG NO. T-02.03		
																			TRACS NO. T0621 01C				___ OF ___						

Plan Sht No.	Sign Number	MOAS Sign Code	Work					Offset (ft)	Mounting Height (ft)	Background Color	Panel					Ground Mounted					Overhead		Remarks																
			New	Existing												Foundations	Post		New Slitbases	Stringer		Structure Type		Number of Lights															
				Replace Panel	Relocate Panel	Relocate Structure	Remove To Remain				Type	Total length (ft)	Type	Total length (ft)																									
Legend	Width (in)	Height (in)	Area (sq. ft)	Type	Bid Item Number		Type	Total length (ft)	New Slitbases	Type	Total length (ft)	Structure Type	Number of Lights																										
T-02.05	STA 13+51	M3-2					X																																
	+	M1-5a					X																																
	+	M1-4h					X																																
	+	M6-3					X																																
T-02.05	STA 13+51	CUSTOM		X					3	BL				6080110	1	2 1/2S	5								INSTALL BEHIND RETAINING WALL														
T-02.05	STA 14+38	W13-6					X																		MOUNTED ON RETAINING WALL														
T-02.05	STA 14+42	D17-2					X																																
T-02.05	STA 15+22	W1-2R	X					12	7	YL					1	2 1/2T	12	1																					
T-02.06	STA 15+61	D5-105					X																																
T-02.06	STA 15+81	R2-1					X																																
T-02.06	STA 16+05	W1-15					X																																
	+	W13-1p					X	2																															
T-02.06	STA 16+07	R2-1	X					12	7	WH					1	2 1/2S	13																						
T-02.06	STA 16+71	CUSTOM					X																																
T-02.06	STA 17+13	R5-1					X																																
T-02.06	STA 17+44	R4-7					X																																
	+	OM1-2					X																																
T-02.06	STA 17+47	W1-8R					X																																
T-02.06	STA 17+73	W12-2					X																																
T-02.06	STA 17+81	W1-8R					X																																
T-02.06	STA 17+81	R1-1					X																																
T-02.06	STA 17+97	CUSTOM					X																																
T-02.06	STA 18+08	R5-1					X																																
	+	CUSTOM					X																																
T-02.06	STA 18+09	W1-8R					X																																
T-02.06	STA 18+09	W1-8R					X																																
T-02.06	STA 18+09	R5-1					X																																
T-02.06	STA 18+24	R6-1R		X					5	WH					1	2S	12																						
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												DESIGN			NAME		DATE		ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION PROJECT MANAGEMENT GROUP					ROUTE		F.H.W.A. Arizona Division		STATE		PROJECT NO.		FEDERAL ID NO.		SHEET NO.		TOTAL SHEETS		RECORD DRAWING	
												DRAWN												SR 80															
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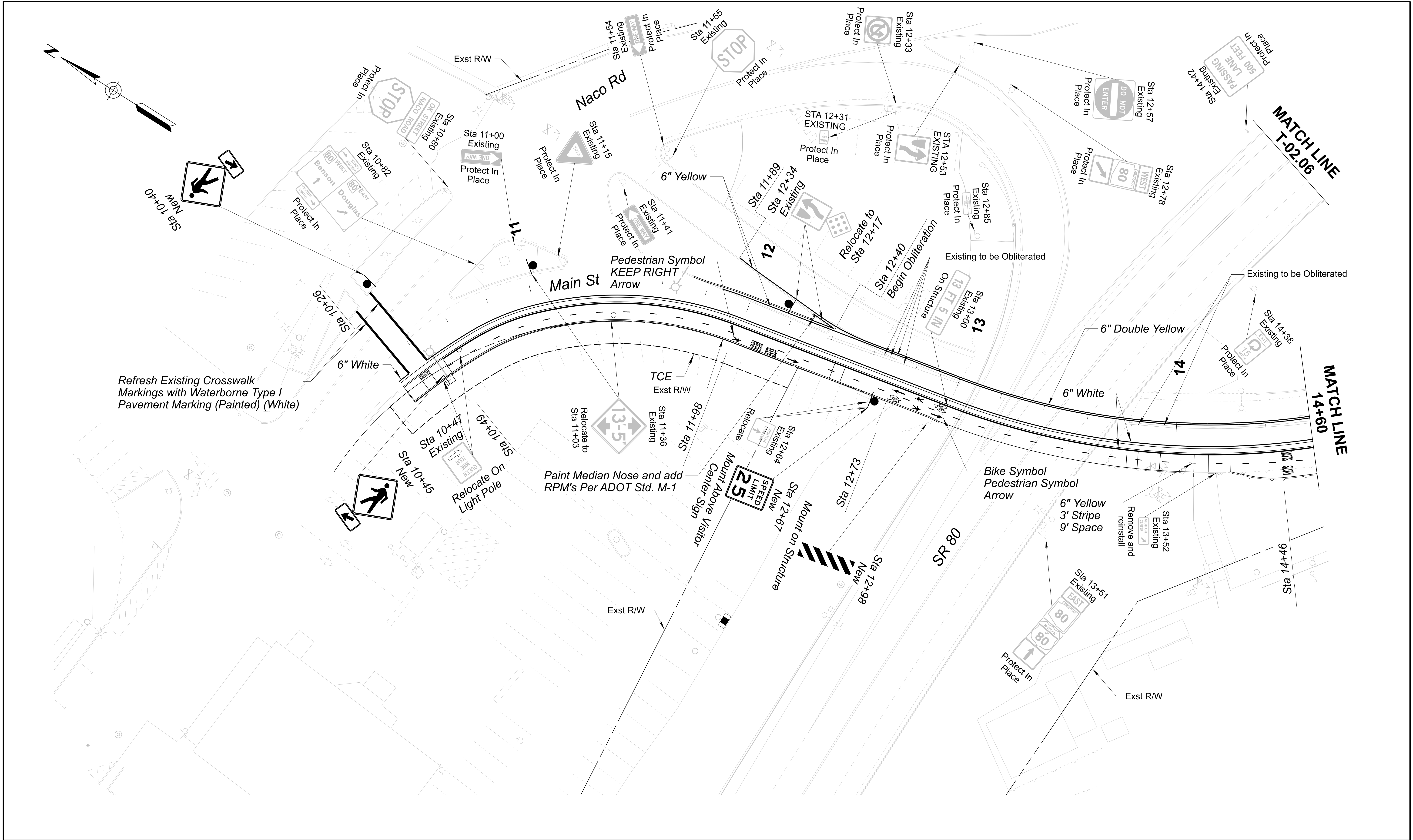
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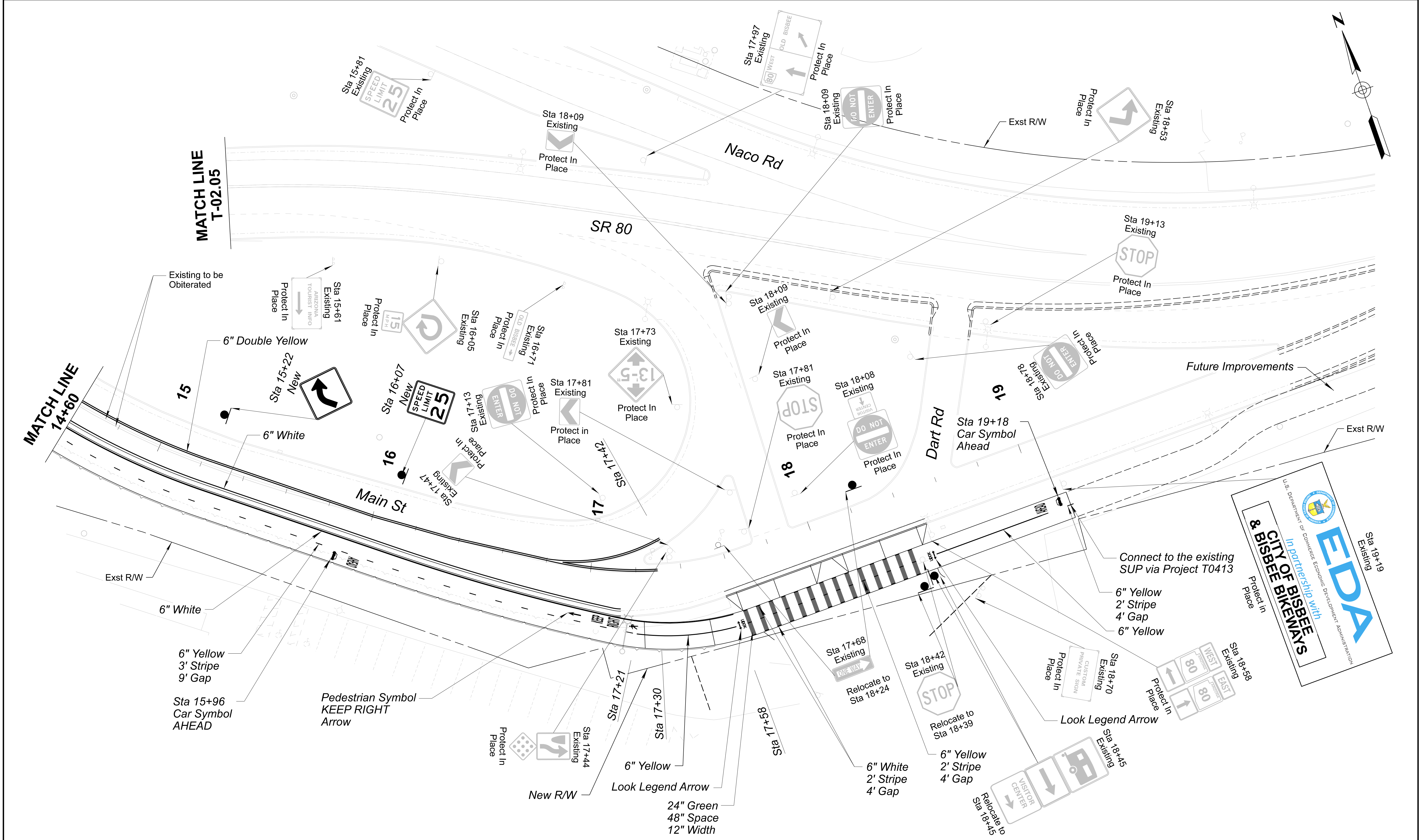
Robert.Brodar

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	NAME		DATE	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION PROJECT MANAGEMENT GROUP	ROUTE	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	DESIGN	EG	08/26		SR 80			0000 CH BIS	BIS-0(207)T	21	45	
	DRAWN	TB	08/26									
	CHECKED	EGK	08/26	MILEPOST	LOCATION SR80; QUEEN MINE TOUR - OLD BISBEE DWG NO. T-02.06							
				STRUCTURE NO.								TRACS NO. T0621 01C OF
	© 2024 KIMLEY-HORN AND ASSOCIATES, INC.				MAIN STREET SIGNING AND MARKING PLAN STA 10+00 TO STA 14+60							



CERTIFICATE NO. 68040 ERIC KOCHER REGISTERED PROFESSIONAL ENGINEER DATE SIGNED 08/26/2026 Kimley»Horn © 2026 KIMLEY-HORN AND ASSOCIATES, INC. DATE SIGNED 08/26/2026 	<table><tr><td></td><td>NAME</td><td>DATE</td></tr><tr><td>DESIGN</td><td>EG</td><td>08/26</td></tr><tr><td>DRAWN</td><td>TB</td><td>08/26</td></tr><tr><td>CHECKED</td><td>EGK</td><td>08/26</td></tr></table>		NAME	DATE	DESIGN	EG	08/26	DRAWN	TB	08/26	CHECKED	EGK	08/26	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION PROJECT MANAGEMENT GROUP	<table><tr><td>ROUTE</td><td>SR 80</td></tr><tr><td>MILEPOST</td><td></td></tr><tr><td>STRUCTURE NO.</td><td></td></tr></table>	ROUTE	SR 80	MILEPOST		STRUCTURE NO.		<table><tr><td>F.H.W.A. Arizona Division</td><td>STATE</td><td>ARIZ.</td><td>PROJECT NO.</td><td>0000 CH BIS</td><td>FEDERAL ID NO.</td><td>BIS-0(207)T</td><td>SHEET NO.</td><td>22</td><td>TOTAL SHEETS</td><td>45</td><td>RECORD DRAWING</td></tr><tr><td colspan="11">LOCATION SR80; QUEEN MINE TOUR - OLD BISBEE</td><td>DWG NO. T-02.07</td></tr><tr><td colspan="4">TRACS NO. T0621 01C</td><td colspan="7">___ OF ___</td></tr></table>	F.H.W.A. Arizona Division	STATE	ARIZ.	PROJECT NO.	0000 CH BIS	FEDERAL ID NO.	BIS-0(207)T	SHEET NO.	22	TOTAL SHEETS	45	RECORD DRAWING	LOCATION SR80; QUEEN MINE TOUR - OLD BISBEE											DWG NO. T-02.07	TRACS NO. T0621 01C				___ OF ___						
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LIGHTING GENERAL NOTES:

1.

All work shall conform to the Arizona Department of Transportation (ADOT) standard specifications for road and bridge construction 2021, ADOT ITD traffic signals and lighting standard drawings, and the special provisions including subsequent addenda prior to bid date.
2.

The location of utilities are approximate. the contractor shall be responsible, per section 730-6 of the specifications for contacting all utilities (including blue stake center) for the exact locations prior to any construction activity. the contractor is responsible for maintaining proper clearances as required by the utility company and adhering to the requirements stipulated in permits. The contractor shall coordinate all conduit, pull box, and foundation installations with other contractors working within the project limits.
3.

The contractor shall coordinate the construction work requirements of the lighting plans with the construction work requirements of the total project plan set(s). The contractor's work shall be installed in a timely and coordinated basis with the other contractors working within the project limits.
4.

The plans show the general path and location of the conduit in relation to major physical features. the locations of other utilities and other objects along the conduit path may not be shown in the plans but shall be identified by the contractor as the conduit route is marked just prior to installation. The information on the drawings concerning the type and location of existing underground and overhead utilities is approximate and has not been independently verified by the engineer or the engineer's agent. The contractor shall determine the exact location of all existing utilities and shall be fully responsible for any and all damages which might result from the contractor's failure to locate and preserve any and all underground and overhead utilities. Repairing utility facilities damaged by the contractor shall be replaced in kind at no additional cost to the department.
5.

The contractor shall stake all pole foundation, pull box, and conduit locations and obtain approval from the engineer prior to any excavation or trenching activities.
6.

The contractor shall submit a request in writing to the engineer when field adjustments are necessary to avoid conflict with utilities or construction.
7.

Top of pull boxes shall be flush with surrounding final grade elevation(s).
8.

Once installed, all luminaires shall be energized for 100 hours before final acceptance in accordance with subsection 732-3.02 of the specifications.
9.

The contractor shall place warning tape in all trenches in which new conduit is placed per subsections 732-2.02 and 732-3.01 in the specifications. The cost of the warning tape and installation shall be included in the cost of the conduit and not paid for separately.
10.

Material and equipment shall be installed in accordance with the current standards and recommendations of the national electrical code, the national electrical safety code, and with local codes which apply. Where discrepancies arise between codes, the most restrictive regulation shall apply.
11.

All roadway luminaires shall be installed with luminaires oriented perpendicular to the roadway centerline referenced on the pole schedule, except for high mast lighting. Luminaires shall be installed level; and be free of dust, dirt, and debris.
12.

The contractor shall warranty all work in compliance with subsection 106.13 of the specifications from the date of final acceptance by the engineer, against defects in workmanship, failure, malfunction of materials and/or equipment. This warranty shall be in writing at the time of issuing final acceptance. Materials and workmanship found to be defective within this warranty period shall be replaced at no additional cost to the department.
13.

The contractor shall contact the utility company for coordination of trench and the installation of conduit. Each conduit shall terminate in each pull box and/or pole foundation.
14.

ADOT No. 4B and traffic rated pull boxes shall be furnished and installed by the contractor at locations as indicated in the roadway lighting plans. modify ADOT T.S. 1-11 cover lettering from "ADOT ELECTRICAL HIGH VOLTAGE" to "ELECTRICAL".
15.

The contractor shall restore all property, landscaping, paving, and driveways that are disturbed during construction to their original condition in conformance with subsection 107.11 of the specifications.
16.

Prior to ordering any materials or doing any work, the contractor shall verify dimensions at the site and immediately report any discrepancies to the engineer. The contractor shall not proceed with any work until the engineer renders a decision. No extra changes or compensation will be allowed for the differences in actual dimensions and dimensions indicated on the drawings.
17.

All conduit which will not have circuit wire or cable pulled into it during construction shall have detectable mule tape pull wire installed in it and the ends sealed in a utility company approved manner to keep all moisture and foreign matter out of the conduit.
18.

All luminaires shall be marked with their lamp wattage ("25L" for 250W LED equivalent) and be white in color for led lamps. These markings shall be clearly visible from the ground.
19.

All work shown is new and shall be installed by the contractor unless otherwise noted.
20.

All lighting conduit shall be buried a minimum depth of 36 inches below finished grade.
21.

All new Type 'G' light poles shall be aluminum.
22.

Contractor to verify that existing poles, to be located, bolt pattern matches that of a type G per detail T-SL 4.08. If not notify engineer prior to pouring new foundations.



	NAME	DATE
DESIGN	JDM	08/26
DRAWN	FAK	08/26
CHECKED	MAC	08/26

Kimley»Horn

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ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION PROJECT MANAGEMENT GROUP	ROUTE SR 80
T0621 BISBEE WEST GENERAL NOTES SHEET	MILEPOST
	STRUCTURE NO.

F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. 0000 CH BIS	FEDERAL ID NO. BIS-0(207)T	SHEET NO. 23	TOTAL SHEETS 45	RECORD DRAWING
LOCATION	SR80; QUEEN MINE TOUR - OLD BISBEE				DWG NO. L-01.01	
TRACS NO.	T0621 01C				___ OF ___	

LIGHTING CONSTRUCTION NOTES:

- 1

Install relocated light pole and mast arm on new foundation and breakaway base. Route (2) #12 AWG conductors and (1) #12 AWG ground conductor from pull box to luminaire.
- 2

Install #4B pull box, per ADOT standard drawing T.S. 1-12.
- 3

Remove and relocate existing pole, mast arm, and luminaire, and demo 3' below grade.
- 4

Furnish and install (1) 2,900 lumen 15L type III luminaire (120-277V) mounted 12.5' on surface mount NEMA 3R junction box.
- 5

Tie proposed conduit into existing pull box.
- 6

Tie proposed conduit into existing conduit/conductors and reroute.
- 7

Existing light, protect in place
- 8

Conduit shall transition from PVC conduit to RMC conduit where exposed. Use conduit expansion coupling at transition.
- 9

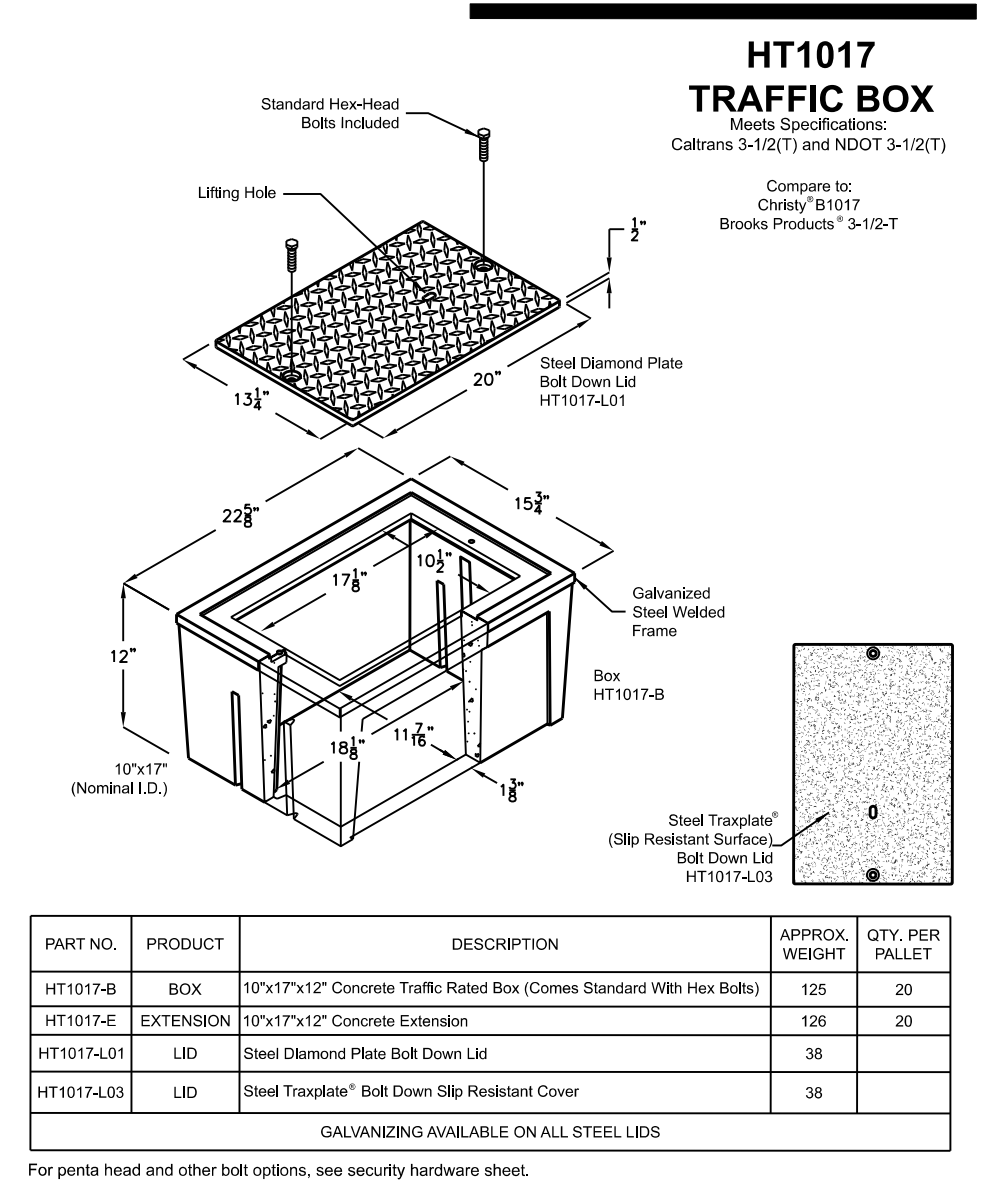
Remove and dispose of existing pull box.
- 10

Install 24"x36" traffic rated pull box per detail LT01.
- 11

Directional drill and install new conduit per conduit and conductor schedule.
- 12

Continuation to load center on pole.
- 13

Replace conductors in kind back to adjacent pull box and connect for complete system.



LT01
TRAFFIC RATED PULL BOX DETAIL
N.T.S

LIGHTING SYMBOLS LEGEND:

-
- Horizontal mount street light with luminaire
-
- Existing street light
-
- Underdeck luminaire
-
- ADOT No. 4B pull box
-
- ADOT No. 6B pull box
-
- Load center cabinet / meter pedestal
-
- Traffic rated pull box
-
- Conduit run
-
- Irrigation utility
-
- Gas utility
-
- Telephone utility
-
- Fiber optic utility
-
- Water utility
-
- Storm drain utility
-
- Sewer utility
-
- Overhead power utility
-
- Underground power utility
-
- Underground site lighting
-
- Freeway management system utility
-
- X = Conduit and conductor identification
-
- X = Existing conduit and conductor identification
-
- Approximate begin/end directional drill limits

STREET LIGHTING ABBREVIATIONS:

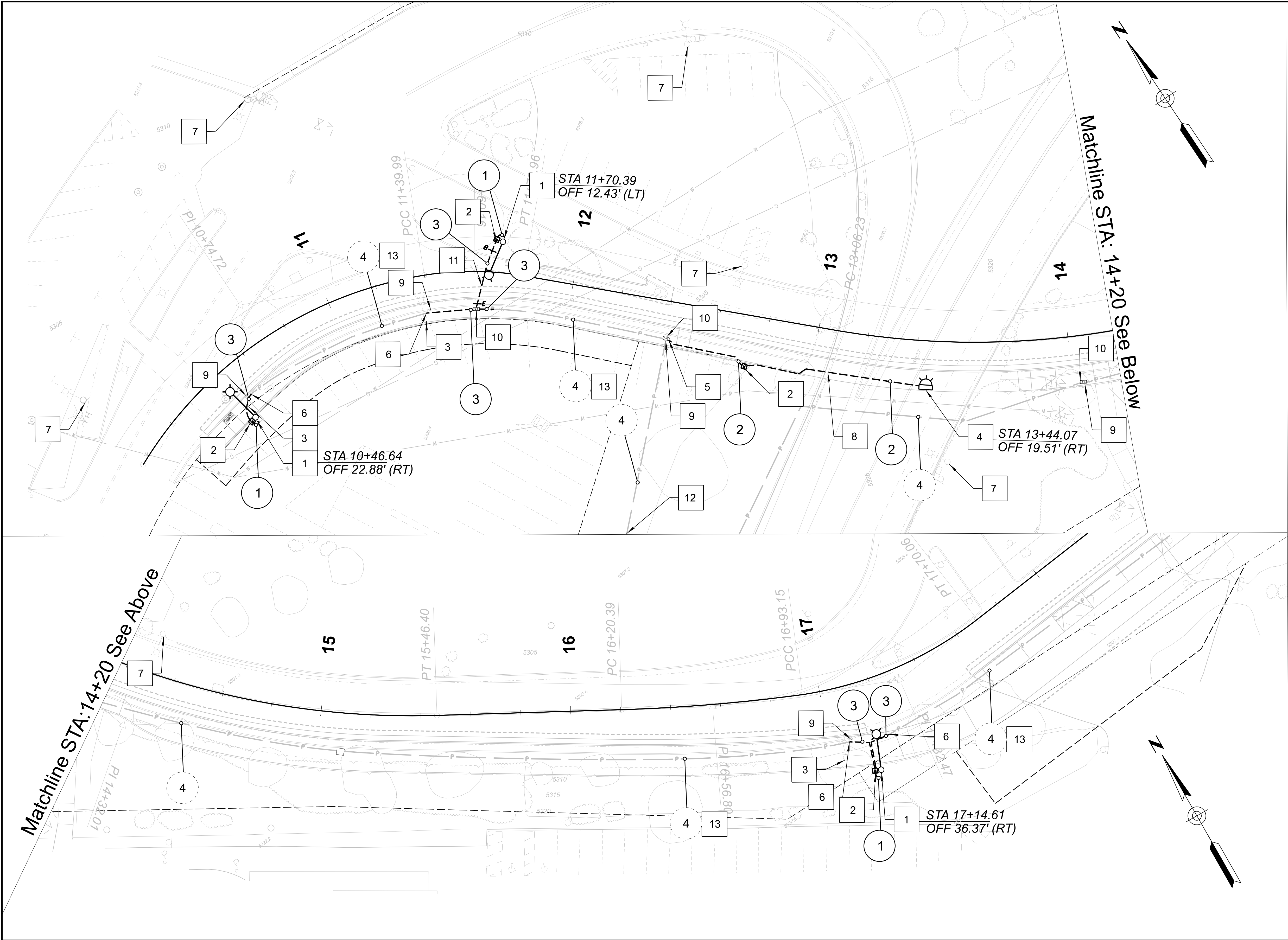
ADOT	Arizona department of transportation	LED	Light emitting diode
APS	Arizona public service	NEC	National electrical code
CONST	Construction	NO.	Number
DWG	Drawing	TCE	Temporary construction easement
EXST	Existing	VO	Vertical offset
FMS	Freeway management system		
HM	High mast		
HPS	High Pressure		
J-BOX	Junction box		

Voltage Drop For Bisbee West Type IV Load Center

Point	Point Name	Source Point	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	Utility Published Data	0											1
2	Utility PB & Pole 1-14 (no. 11)	1	NM	Copper	1	Set of	8	6.424	10	480	1	0.02%	2
3	Pole 15 & 16	2	NM	Copper	1	Set of	8	2.628	1113	480	1	0.86%	3
4	Pole 17	3	NM	Copper	1	Set of	8	2.044	158	480	1	0.95%	4
5	Pole 18	4	NM	Copper	1	Set of	8	1.752	46	480	1	0.98%	5
6	Pole 20	5	NM	Copper	1	Set of	8	1.46	60	480	1	1.00%	6
7	Pole 21	6	NM	Copper	1	Set of	8	1.168	137	480	1	1.05%	7
8	Pole 11	7	NM	Copper	1	Set of	8	0.876	74	480	1	1.07%	8
9	Pole 22	8	NM	Copper	1	Set of	8	0.584	51	480	1	1.07%	9
10	Pole 23	9	NM	Copper	1	Set of	8	0.292	61	480	1	1.08%	9

**Voltage Drop: Is cumlutive from the source to the panelboard.

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LIGHTING CONSTRUCTION NOTES:

- 1 Install relocated light pole and mast arm on new type G foundation per T.S. 4-5 and type II breakaway base per detail T.S. 5-0. Route (2) #12 AWG conductors and (1) #12 AWG ground conductor from pull box to luminaire.
- 2 Install #4B pull box, per ADOT standard drawing T.S. 1-12.
- 3 Remove and relocate existing pole, mast arm, and luminaire, and demo 3' below grade.
- 4 Furnish and install (1) 2,900 lumen 15L type III wall mounted luminaire (120-277V) mounted 12.5' on surface mount NEMA 3R junction box.
- 5 Tie proposed conduit into existing pull box.
- 6 Tie proposed conduit into existing conduit and pull new conductors per conduit and conductor schedule.
- 7 Existing light, protect in place.
- 8 Conduit shall transition from PVC conduit to RMC conduit where exposed. Use conduit expansion coupling at transition.
- 9 Remove and dispose of existing pull box.
- 10 Install 24"X36" traffic rated pull box per detail LT01 on sheet 20
- 11 Directional drill and install new conduit per conduit and conductor schedule.
- 12 Continuation to load center on pole.
- 13 Continuation from note 3 per the conduit & conductor schedule until the nearest pull box.

CONDUIT AND CONDUCTOR SCHEDULE FOR BISBEE					
CONDUIT RUN NUMBER		1	2	3	4
CONDUIT SIZE IN INCHES		1	1	2	EX2
CONDUIT WIRE TYPE		PVC	RMC	PVC	
AWG					
#8	CIRCUIT 5			2	2
#8	INSULATED BOND			1	
#6	INSULATED BOND		1		1
#12	TYPICAL LIGHTING CIRCUIT PULL BOX TO LIGHT POLE	2	2		
#12	INSULATED BOND	1	1		

DESIGN

JDM

08/26

DRAWN

FAK

08/26

CHECKED

MAC

08/26

Professional Engineer
Electrical
80307
JACKSON
MODRAK
Date Signed: 08/23/26
ARIZONA USA

Kimley»Horn

2024 KIMLEY-HORN AND ASSOCIATES, INC.

ARIZONA DEPARTMENT OF TRANSPORTATION
PROJECT DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGEMENT GROUP
T0621 BISBEE WEST LIGHTING SHEET
STA: 10+00 to 18+00

ROUTE
SR 80

MILEPOST

STRUCTURE NO.

F.H.W.A. Arizona Division

STATE
ARIZ.

PROJECT NO.
0000 CH BIS

FEDERAL ID NO.
BIS-0(207)T

SHEET NO.
25

TOTAL SHEETS
45

RECORD DRAWING

LOCATION
SR80; QUEEN MINE TOUR - OLD BISBEE

TRACS NO.
T0621 01C

DWG NO. L-01.03
____ OF ____

2:38:56 PM

8/31/2026

Robert.Brodar

K:\PHX_Roadway\Worksets\ADOT_PROJECTS_2022R3\10.12_291728053-T0621_Bisbee SUP West\dgn\Lighting\T0621_It01.dgn

EROSION CONTROL TYPE INSTALLATION & QUANTITY

STATE HIGHWAY BENSON-DOUGLAS HIGHWAY SR 80	(EC01) Sediment Wattle Slope Protection (LF)		(EC02) Gravel Bag Inlet Protection (EACH)		(EC03) Construction Entrance (SY)		EROSION CONTROL TOTALS		REMARKS
	Left	Right	Left	Right	Left	Right	Left	Right	
LOCATION									
STA 10+00 TO STA 15+00	-	442	1	-	-	-	442	1	-
STA 15+00 TO STA 19+20	-	404	-	-	-	196	404	-	196

SW - 20" Sediment Wattle Slope Protection
IP - Gravel Bag Inlet Protection
RP - Rock Protection
CE - Construction Entrance

NOTES:
1. The placement of all Erosion Control Devices listed above will be subject to change and may be adjusted by the Resident Engineer.
11. The contractor, in conjunction with the city of Bisbee, shall determine the location of the construction entrance.

SW Reference letters 'SW' correspond to the type of Installation.
EI 'EI' corresponds to the plan detail number.

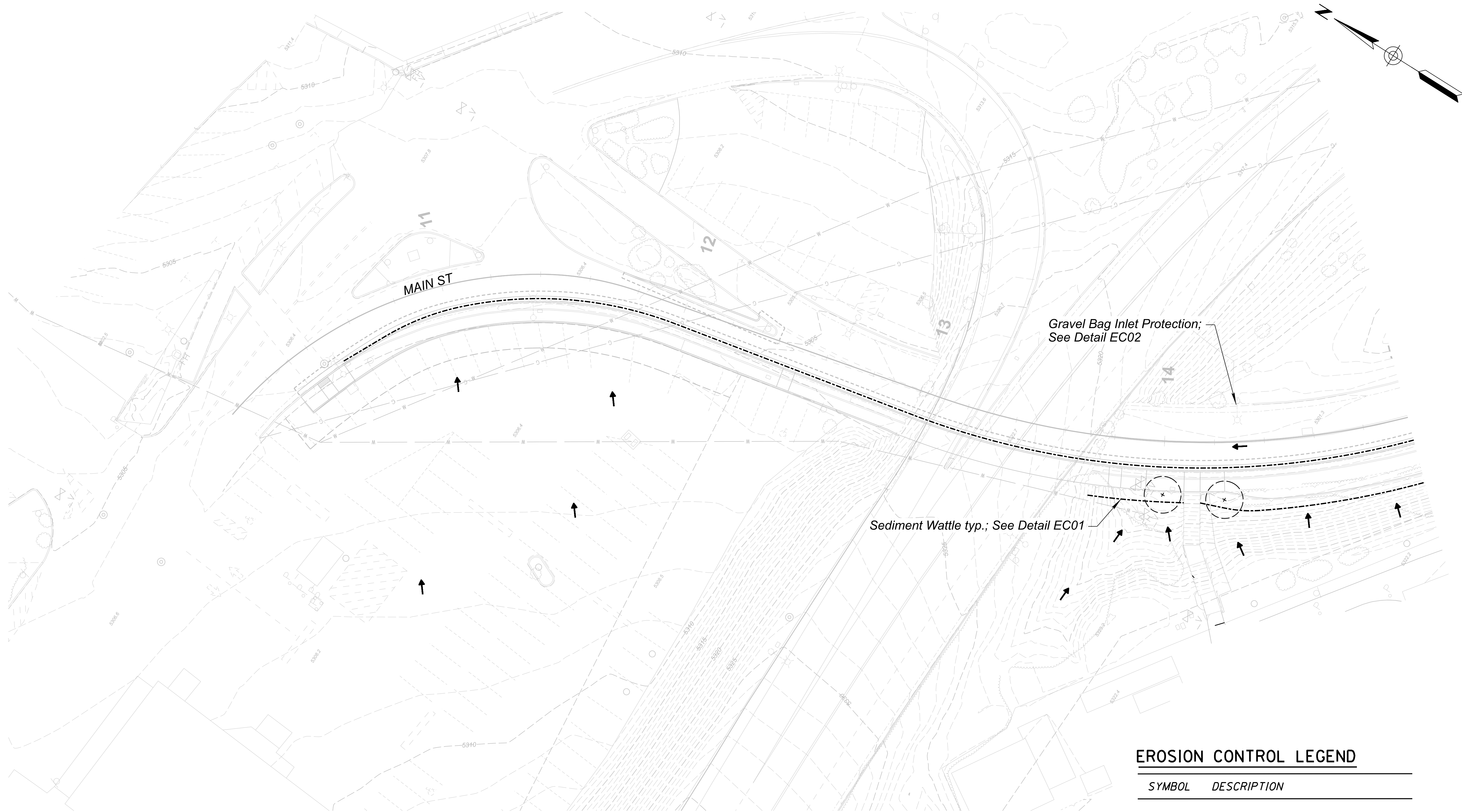


	NAME	DATE
DESIGN	EMH	08/26
DRAWN	EMH	08/26
CHECKED	RVF	08/26

Kimley»Horn
2024 KIMLEY-HORN AND ASSOCIATES, INC.

ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION PROJECT MANAGEMENT GROUP
EROSION CONTROL NOTES

ROUTE SR 80	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. 0000 CH BIS	FEDERAL ID NO. BIS-0(207)T	SHEET NO. 26	TOTAL SHEETS 45	RECORD DRAWING
MILEPOST	LOCATION SR80; QUEEN MINE TOUR - OLD BISBEE					DWG NO. R-01.01	
STRUCTURE NO.	TRACS NO. T0621 01C					____ OF ____	



EROSION CONTROL LEGEND

SYMBOL	DESCRIPTION
	FLOW ARROW
	20" SEDIMENT WATTLE; SEE DETAIL EC01

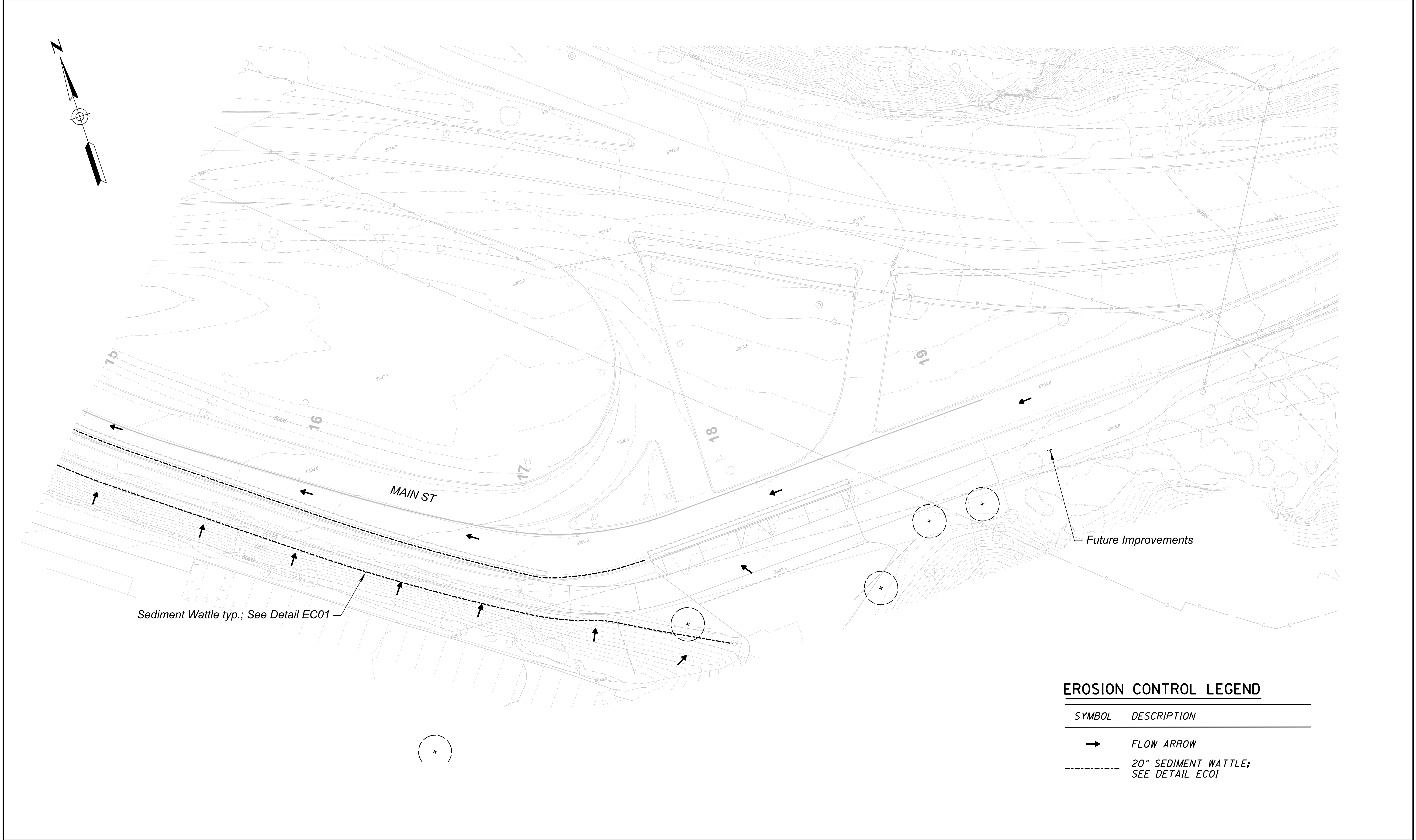


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ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION PROJECT MANAGEMENT GROUP
EROSION CONTROL PLAN

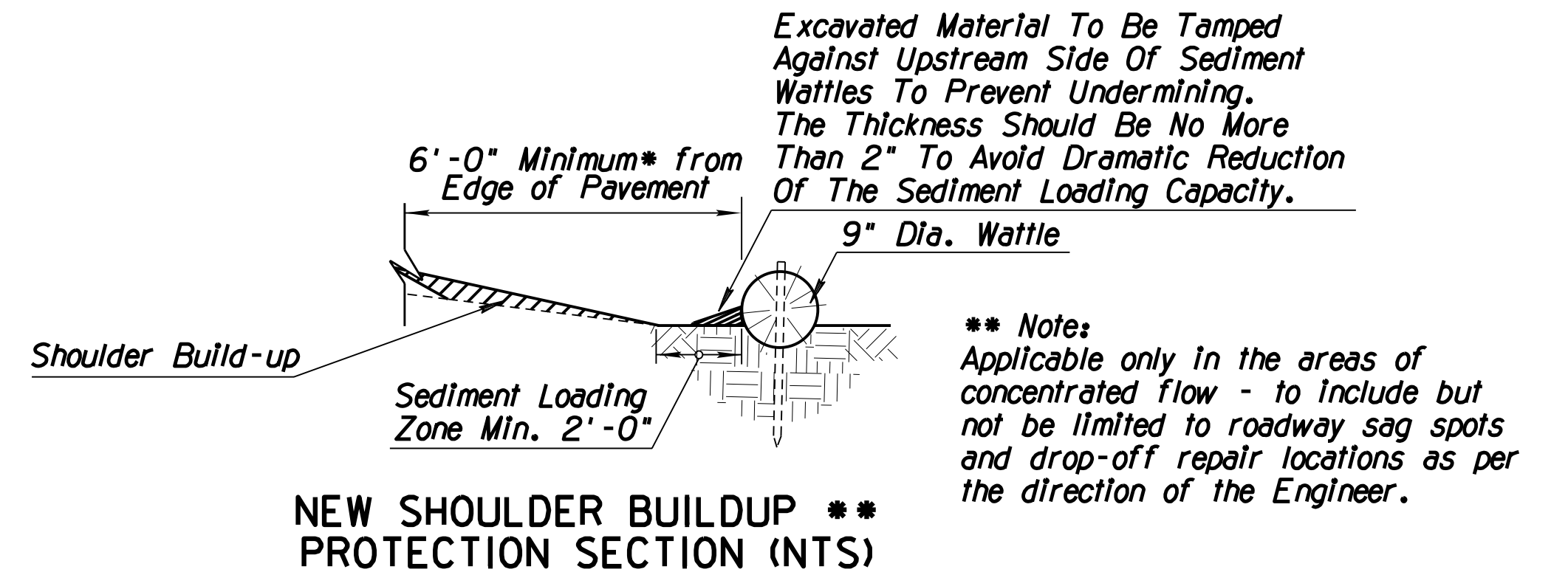
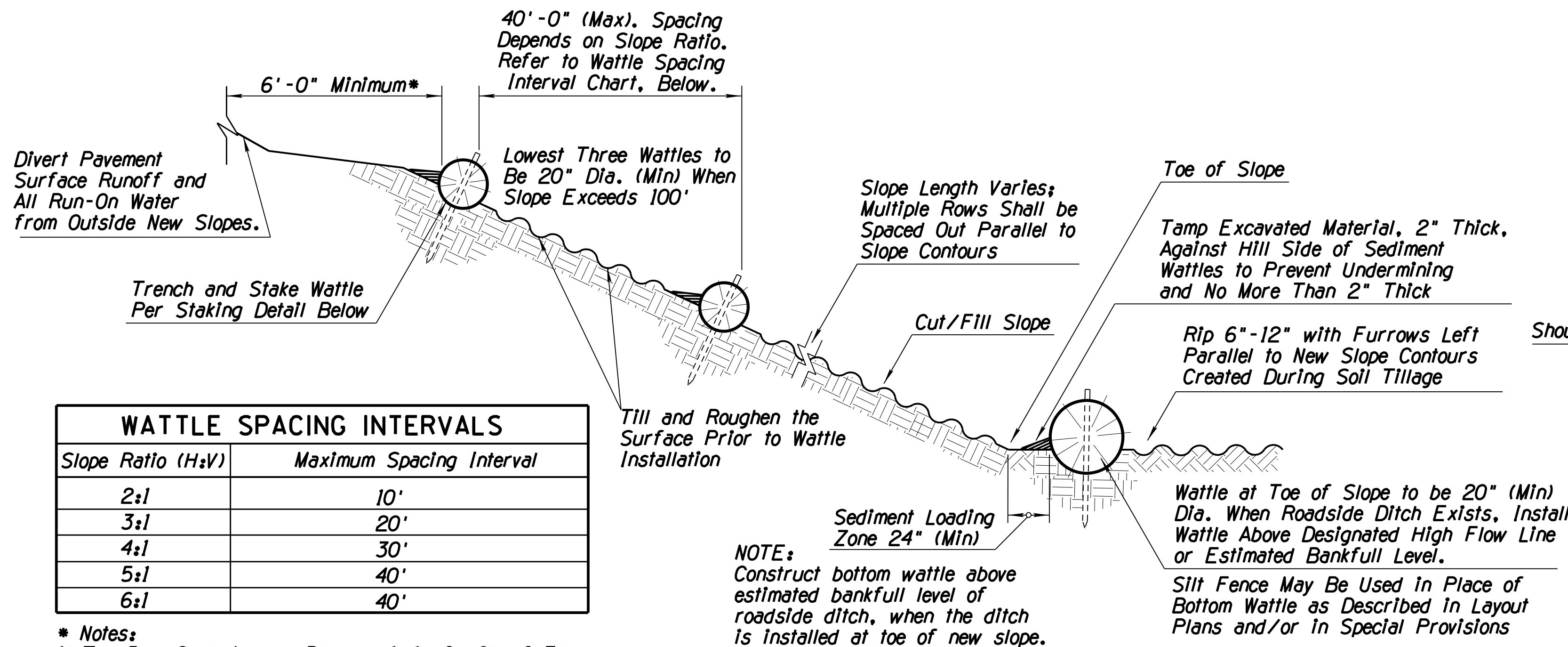
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MILEPOST	LOCATION SR80; QUEEN MINE TOUR - OLD BISBEE					DWG NO. R-01.02	
STRUCTURE NO.	TRACS NO. T0621 01C					____ OF ____	



EROSION CONTROL LEGEND

SYMBOL	DESCRIPTION
	FLOW ARROW
	20" SEDIMENT WATTLE; SEE DETAIL EC01

	NAME		DATE	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION PROJECT MANAGEMENT GROUP		ROUTE	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	DESIGN	EMH	08/26			MILEPOST			0000 CH BIS	BIS-0(207)T	28	45	
	DRAWN	EMH	08/26			STRUCTURE NO.			LOCATION SR80; QUEEN MINE TOUR - OLD BISBEE			DWG NO. R-01.03	
	Kimley»Horn				EROSION CONTROL PLAN			TRACS NO. T0621 01C		___ OF ___			
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DETAIL EC01
SEDIMENT WATTLE

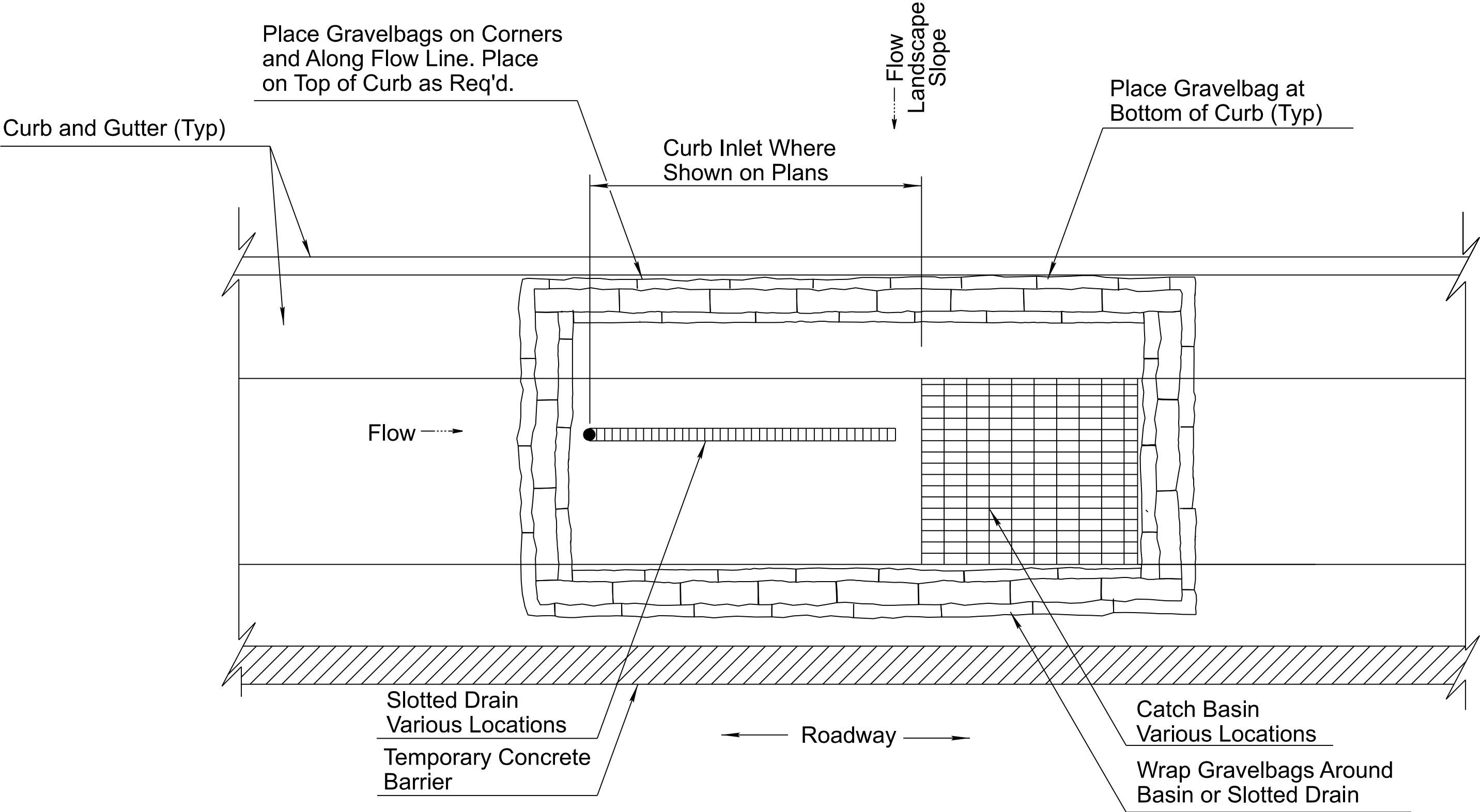


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DRAWN	EMH	08/26
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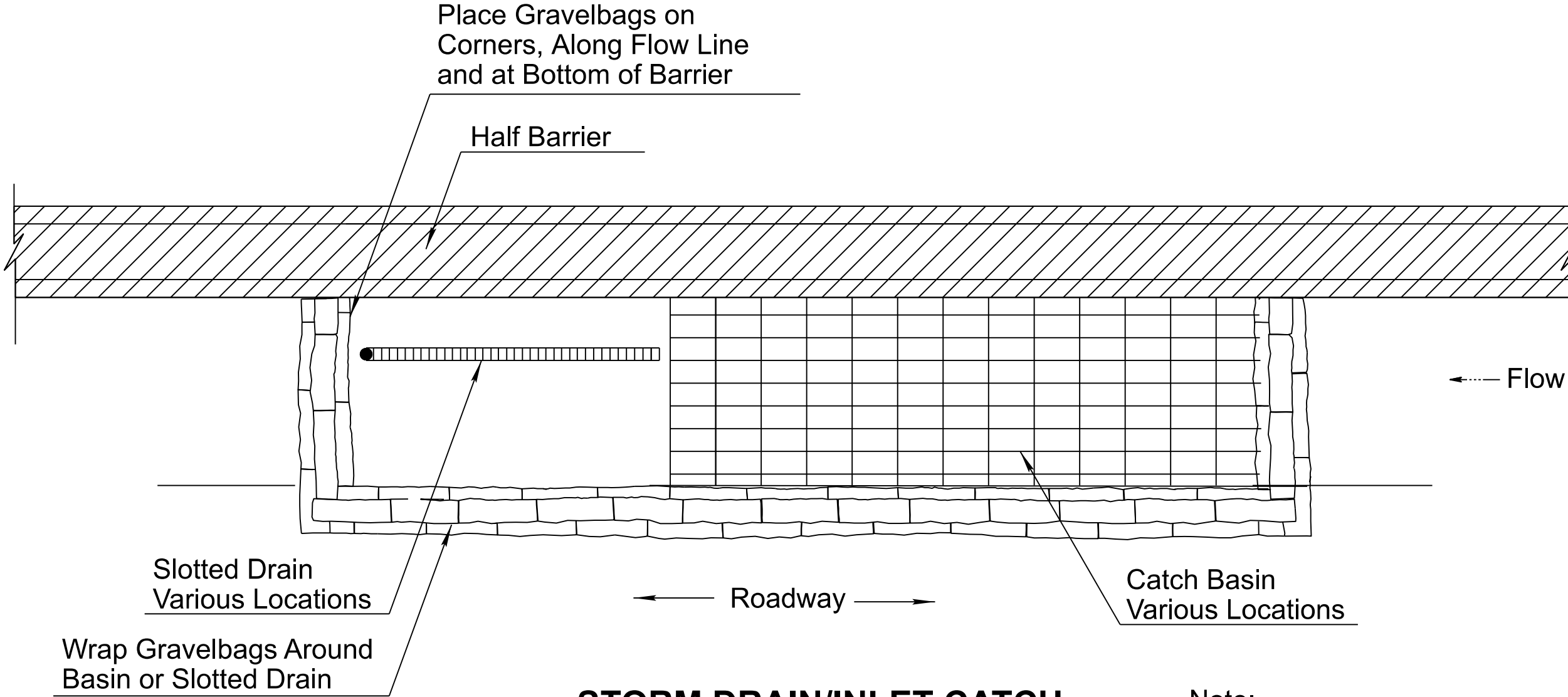
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ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION PROJECT MANAGEMENT GROUP
EROSION CONTROL DETAIL

ROUTE SR 80	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. 0000 CH BIS	FEDERAL ID NO. BIS-0(207)T	SHEET NO. 29	TOTAL SHEETS 45	RECORD DRAWING
MILEPOST	LOCATION SR80; QUEEN MINE TOUR - OLD BISBEE					DWG NO. R-02.01	
STRUCTURE NO.	TRACS NO. T0621 01C					OF	



**STORM DRAIN/INLET CATCH BASIN AT CURB
PLAN VIEW (NTS)**

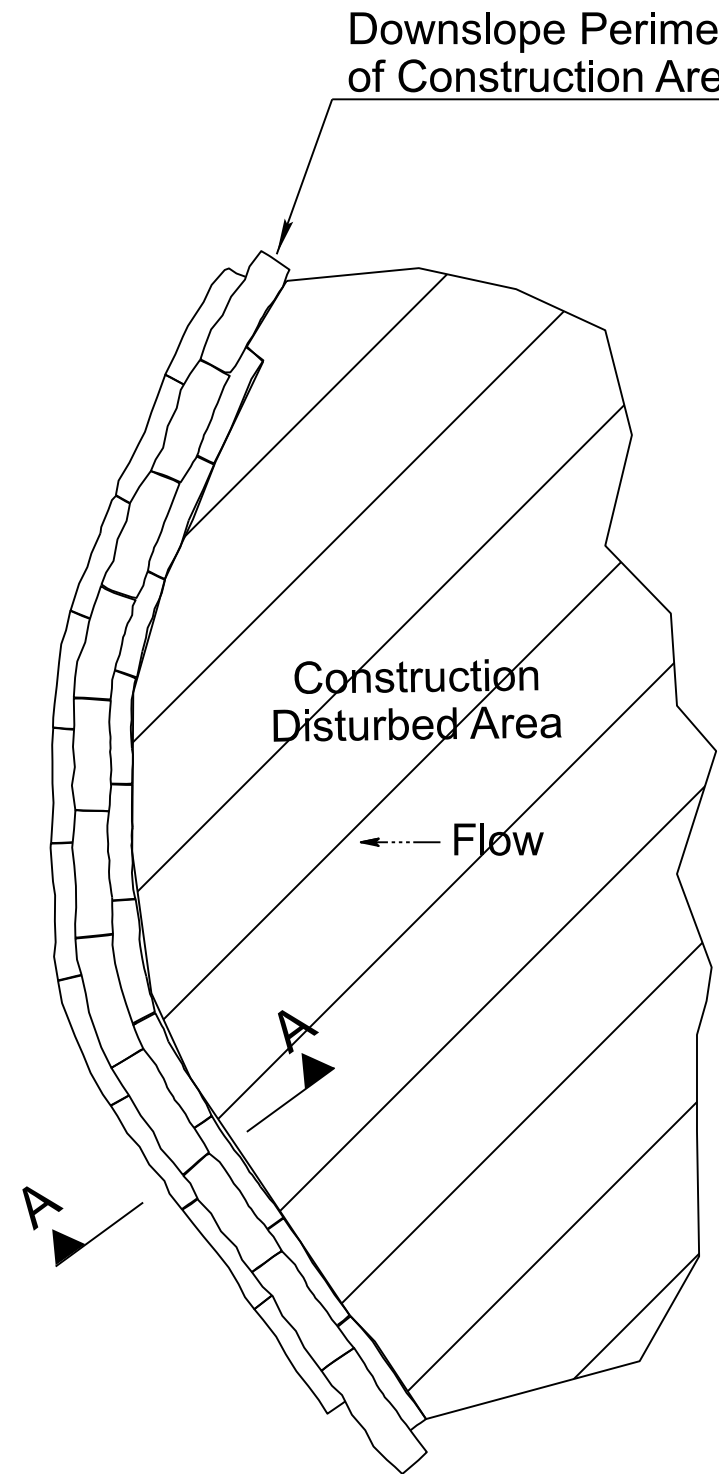


**STORM DRAIN/INLET CATCH BASIN AT HALF BARRIER
PLAN VIEW (NTS)**

Note:
Apply Under Traffic Control.

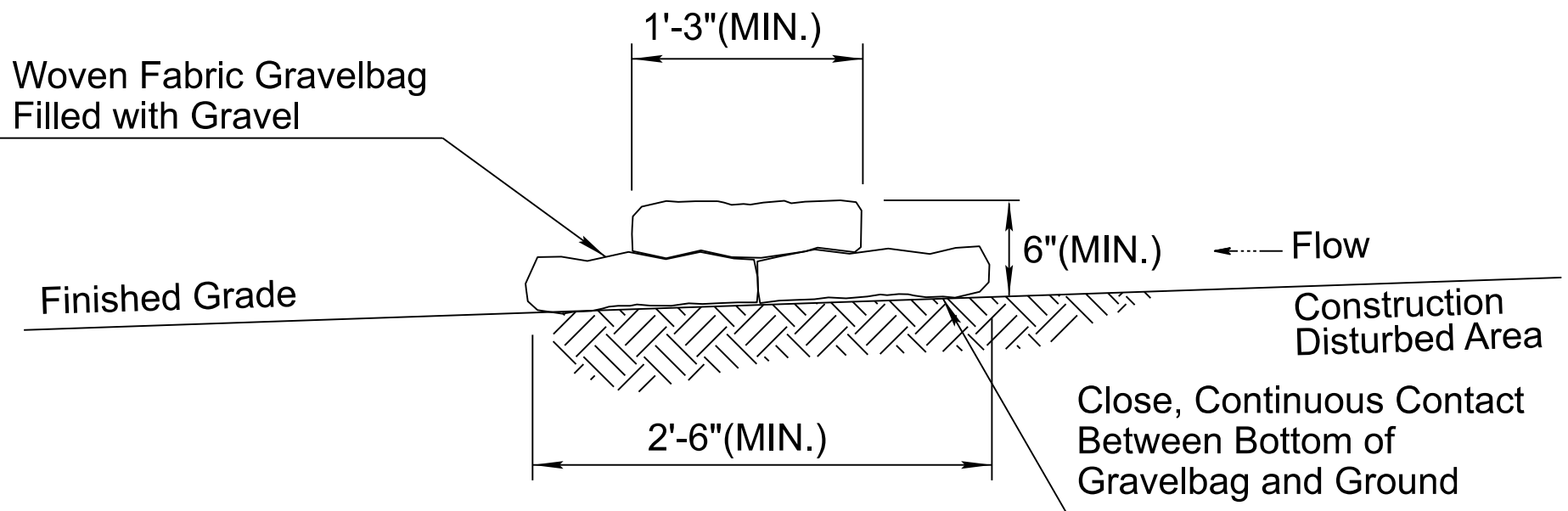
NOTES:

1. Gravelbag material shall be from polypropylene, polyethylene, or polyamide woven fabric. Refer to Special Provisions for Mullen burst strength and ultraviolet stability requirements.
2. When sediment depth reaches 3 inches, remove and properly dispose of accumulated material.
3. Do not apply Gravelbag CM/BMP in the area of open traffic.
4. When applied as a perimeter control CM/BMP, Gravelbags shall be used for surface areas where wattles and silt fences are not suitable.
5. Do not install Gravelbags as multiple ditch check dams.
6. The installation and maintenance of Gravelbag CMs/BMPs shall not negatively impact traffic safety, nor the designed function of roadway or bridge drainage facilities. Gravelbag CMs/BMPs shall be installed and maintained to carry the stormwater of at least 2-year, 24-hour events.
7. Gravelbags are designed for temporary water quality protection only. Remove Gravelbags per the direction of the Engineer or as soon as practicable upon stabilization of the construction disturbed area.
8. Make field adjustments and corrections of Gravelbag CM/BMP immediately if it is causing flooding, erosion, and/or affecting roadway safety.
9. Refer to Special Provisions for gradation of gravel material.
10. The Gravelbag CM/BMP's pay/bid item shall include all materials used for this CM/BMP: all ground preparation, furnishing, installing, maintenance, final removal, and disposal, as well as returning the area to an acceptable condition as approved by the Engineer.
11. Make field adjustments and corrections to ensure NO sensitive biological resources (native species / habitats) will be adversely impacted.



Note:
Apply Under Traffic Control or
Outside of ClearZone/Recovery Area

**GRAVELBAG SEDIMENT TRAP
PLAN VIEW (NTS)**



**SECTION A-A
(NTS)**

DETAIL EC2
GRAVEL BAG INLET PROTECTION

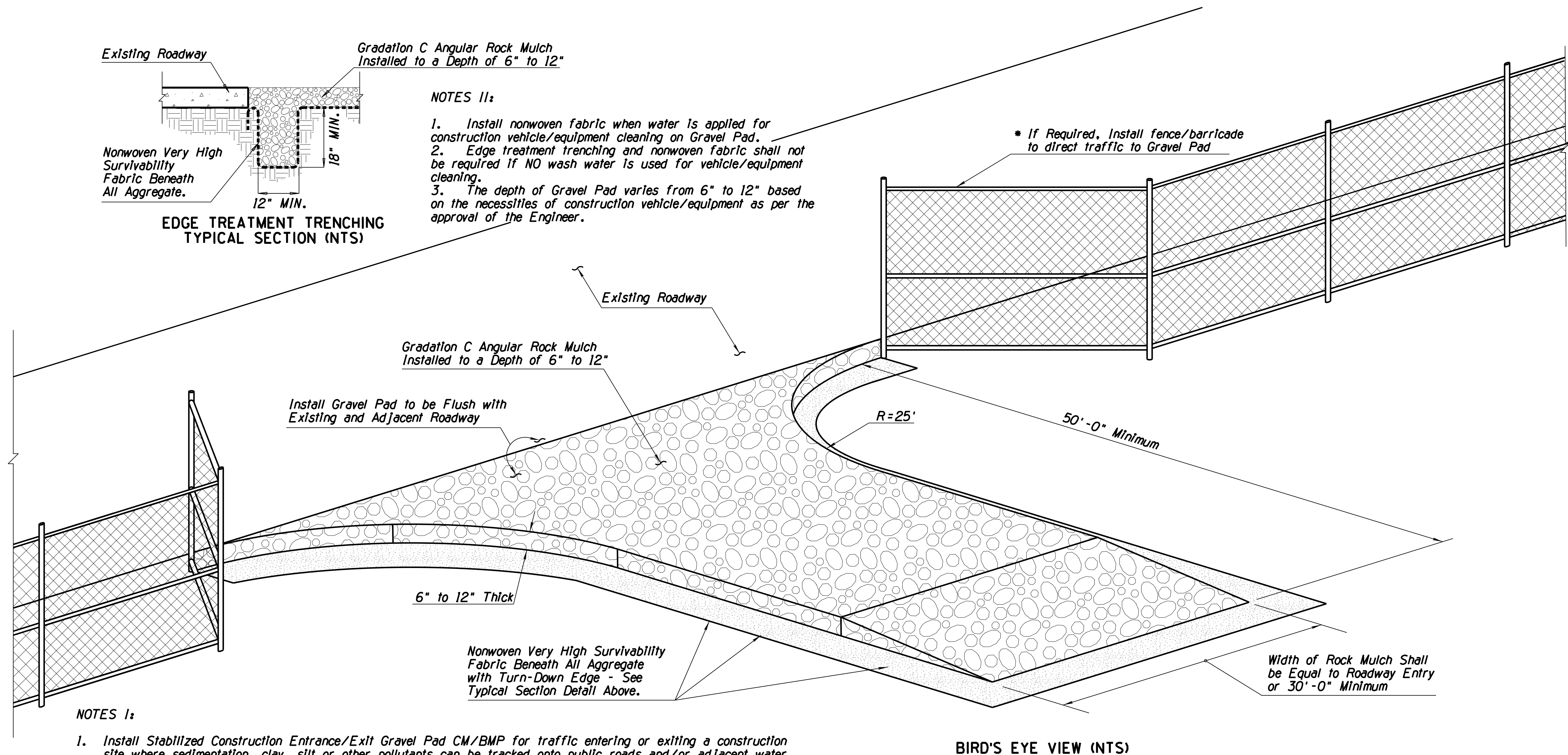


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ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION PROJECT MANAGEMENT GROUP	ROUTE SR 80
EROSION CONTROL DETAIL	MILEPOST
	STRUCTURE NO.

F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. 0000 CH BIS	FEDERAL ID NO. BIS-0(207)T	SHEET NO. 30	TOTAL SHEETS 45	RECORD DRAWING
LOCATION SR80; QUEEN MINE TOUR - OLD BISBEE						DWG NO. R-02.02
TRACS NO. T0621 01C						___ OF ___

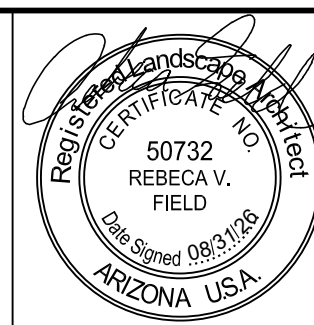


NOTES 1:

1. Install Stabilized Construction Entrance/Exit Gravel Pad CM/BMP for traffic entering or exiting a construction site where sedimentation, clay, silt or other pollutants can be tracked onto public roads and/or adjacent water bodies, as approved by the Engineer. It may also be applied for construction entrance/exit wind erosion/dust control, as approved by the Engineer.
2. Locate new Construction Entrances/Exit(s) at appropriate project entrance/exit points as determined in field with the approval of the Engineer. Relocate Stabilized Construction Entrance/Exit Gravel Pad CM/BMP as needed as project progresses. Replace Rock Mulch materials in drive paths when dirt or mud accumulates.
3. Nonwoven Very High Survivability Fabric shall conform to the standards of Sub-section 1014-4.04 of the Specifications.
4. Rock Mulch materials shall be fractured/crushed rocks in angular shape and as defined in the Sub-section 810-2.03 of the Specifications. Natural river-run materials, especially rounded natural river rocks are not acceptable.
5. Make field adjustments and corrections of Construction Entrance/Exit Gravel Pad CM/BMP immediately if it is causing flooding and/or affecting roadway safety.
6. When paid separately, the Stabilized Construction Entrance/Exit Gravel Pad CM/BMP's pay/bid item shall include all materials used for this CM/BMP: all ground preparation, furnishing, installing, final removal, and disposal of this temporary CM/BMP, as well as returning the area to an acceptable condition as approved by the Engineer.
7. * Fence/barricade pay/bid item shall not be included as a component of the Stabilized Construction Entrance/Exit Gravel Pad CM/BMP pay/bid item.
8. Make field adjustments and corrections to ensure NO sensitive biological resources (native species / habitats) will be adversely impacted.

BIRD'S EYE VIEW (NTS)

DETAIL EC03
STABILIZED CONSTRUCTION ENTRANCE/EXIT GRAVEL PAD



DESIGN	NAME	DATE
EMH		08/26
DRAWN	EMH	08/26
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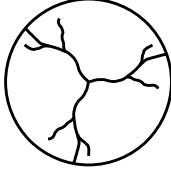
ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION PROJECT MANAGEMENT GROUP
EROSION CONTROL DETAIL

ROUTE SR 80	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. 0000 CH BIS	FEDERAL ID NO. BIS-0(207)T	SHEET NO. 31	TOTAL SHEETS 45	RECORD DRAWING
MILEPOST	LOCATION SR80; QUEEN MINE TOUR - OLD BISBEE					DWG NO. R-02.03	
STRUCTURE NO.	TRACS NO. T0621 01C					___ OF ___	

LANDSCAPE NOTES:

1. ALL WORK SHALL BE CONFINED TO LIMITS OF CONSTRUCTION AS SHOWN ON PLANS.
2. ALL PLANT QUANTITIES TO BE VERIFIED PRIOR TO PROCUREMENT. QUANTITIES SHOWN ON LEGEND ARE FOR REFERENCE ONLY. IN CASE OF DISCREPANCY, QUANTITIES SHOWN ON PLAN WILL PREVAIL.
3. INSTALL PLATING MATERIAL IN ALL PLANTING AREAS (NON-PAVED AREAS) TO REDUCE DUST POLLUTION. REFER TO PLANS AND TO SPECIFICATIONS.
4. CONTRACTOR SHALL PROTECT PLANTS TO BE PRESERVED-IN-PLACE DURING CONSTRUCTION. ALL AREAS TO REMAIN UNDISTURBED AND PLANTS DESIGNATED TO BE PRESERVED-IN-PLACE SHALL BE FENCED OFF. FENCING WILL REMAIN IN PLACE FOR THE DURATION OF CONSTRUCTION ACTIVITIES.
5. ALL TREES SHALL BE LOCATED A MINIMUM OF 8'-0" FROM GAS LINES AND 10'-0" FROM WATER LINES.
6. TREES SHALL BE LOCATED A MINIMUM OF 10'-0" FROM SEWER LINES. MAINTAIN A 16'-0" CLEAR ACCESS PATH TO ALL MANHOLES. NO TREE SHALL BE LOCATED WITHIN 16'-0" OF A MANHOLE. REFER TO PIMA COUNTY WASTEWATER MANAGEMENT STANDARD DETAILS RWRD III AND RWRD II2 FOR ADDITIONAL INFORMATION REGARDING PLANTING ADJACENT TO SEWER LINES.
7. DEVIATION FROM THESE PLANS AND NOTES WITHOUT THE PRIOR CONSENT OF THE PROJECT ENGINEER MAY BE CAUSE FOR THE WORK TO BE DESIGNATED UNACCEPTABLE.
8. THE CONTRACTOR ACKNOWLEDGES & AGREES THAT THE WORK IS ENTIRELY AT THEIR RISK UNTIL SITE IS ACCEPTED, AND THEY WILL BE HELD RESPONSIBLE FOR ITS SAFETY BY THE OWNER.
9. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE ALL MUD, DIRT, ROCK MULCH, AND OTHER MATERIALS TRACKED ONTO ANY PRIVATE OR PUBLIC STREETS OR SIDEWALKS. THE CONTRACTOR MUST CLEAN THESE DAILY, IF NECESSARY. THE CONTRACTOR MUST USE WATER OR OTHER ACCEPTABLE METHODS TO KEEP AIRBORNE DUST TO A REQUIRED MINIMUM.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE RESULTING FROM CONSTRUCTION ACTIVITY TO EXISTING ELEMENTS THAT ARE TO REMAIN.
11. THESE LANDSCAPE PLANS ARE DESIGNED TO MEET THE REQUIREMENTS AND INTENTIONS OF THE PIMA COUNTY REGIONAL WASTEWATER RECLAMATION DEPARTMENT'S SECTION 7.7 OF THE ENGINEERING DESIGN STANDARDS AND STANDARD DETAILS RWRD III AND RWRD II2, LATEST EDITION.
12. IF NEW LANDSCAPING IS TO BE PLANTED NEAR A DESIGNATED BUS STOP, THE LANDSCAPING ON APPROACH TO BUS STOP WILL BE LOW FOR VISIBILITY OF RIDERS SITTING AT THE BUS STOP. TREES AND LARGER LANDSCAPING TO BE ON THE BACK OR FAR SIDE OF THE BUS STOP AS TRAVELING ON ROADWAY OR SIDEWALK.
13. REMOVAL OF TRESS, INCLUDING STUMPS, SHOWN ON PLANS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE PAID FOR UNDER ITEM *2010020.

PLANT LEGEND:

TREES				
SYMBOL	BOTANICAL NAME COMMON NAME	QTY.	SIZE	GPH
	CHILOPSIS LINEARIS DESERT WILLOW	03	15 GAL.	6
	EXISTING TREE TO REMAIN	6	--	--
SHRUBS/ACCENTS				
SYMBOL	BOTANICAL NAME COMMON NAME	QTY.	SIZE	GPH
*	AGAVE PALMERI PALMER'S AGAVE	07	1 GAL.	1
*✱	DASYLIRION WHEELERI DESERT SPOON	04	5 GAL.	1
MISC. LANDSCAPE MATERIALS				
SYMBOL	PRODUCT	QTY.		
	DECOMPOSED GRANITE	2,355 SF		
	RIPRAP	11,760 SF		



	NAME	DATE
DESIGN	EMH	08/26
DRAWN	EMH	08/26
CHECKED	RVF	08/26
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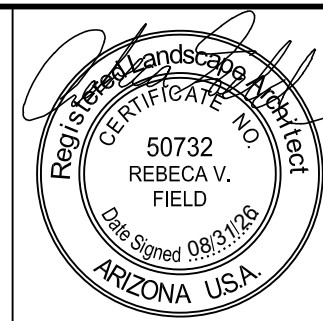
ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION PROJECT MANAGEMENT GROUP	
LANDSCAPE NOTES	

ROUTE SR 80	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
MILEPOST		ARIZ.	0000 CH BIS	BIS-0(207)T	32	45	
	LOCATION SR80; QUEEN MINE TOUR - OLD BISBEE						DWG NO. R-03.01
STRUCTURE NO.	TRACS NO. T0621 01C						___ OF ___



PLANT LEGEND:

TREES	
SYMBOL	BOTANICAL NAME COMMON NAME
	CHILOPSIS LINEARIS DESERT WILLLOW
	EXISTING TREE TO REMAIN
SHRUBS/ACCENTS	
SYMBOL	BOTANICAL NAME COMMON NAME
*	AGAVE PALMERI PALMER'S AGAVE
* (stylized)	DASYLIRION WHEELERI DESERT SPOON
MISC. LANDSCAPE MATERIALS	
SYMBOL	PRODUCT
	DECOMPOSED GRANITE
	RIPRAP

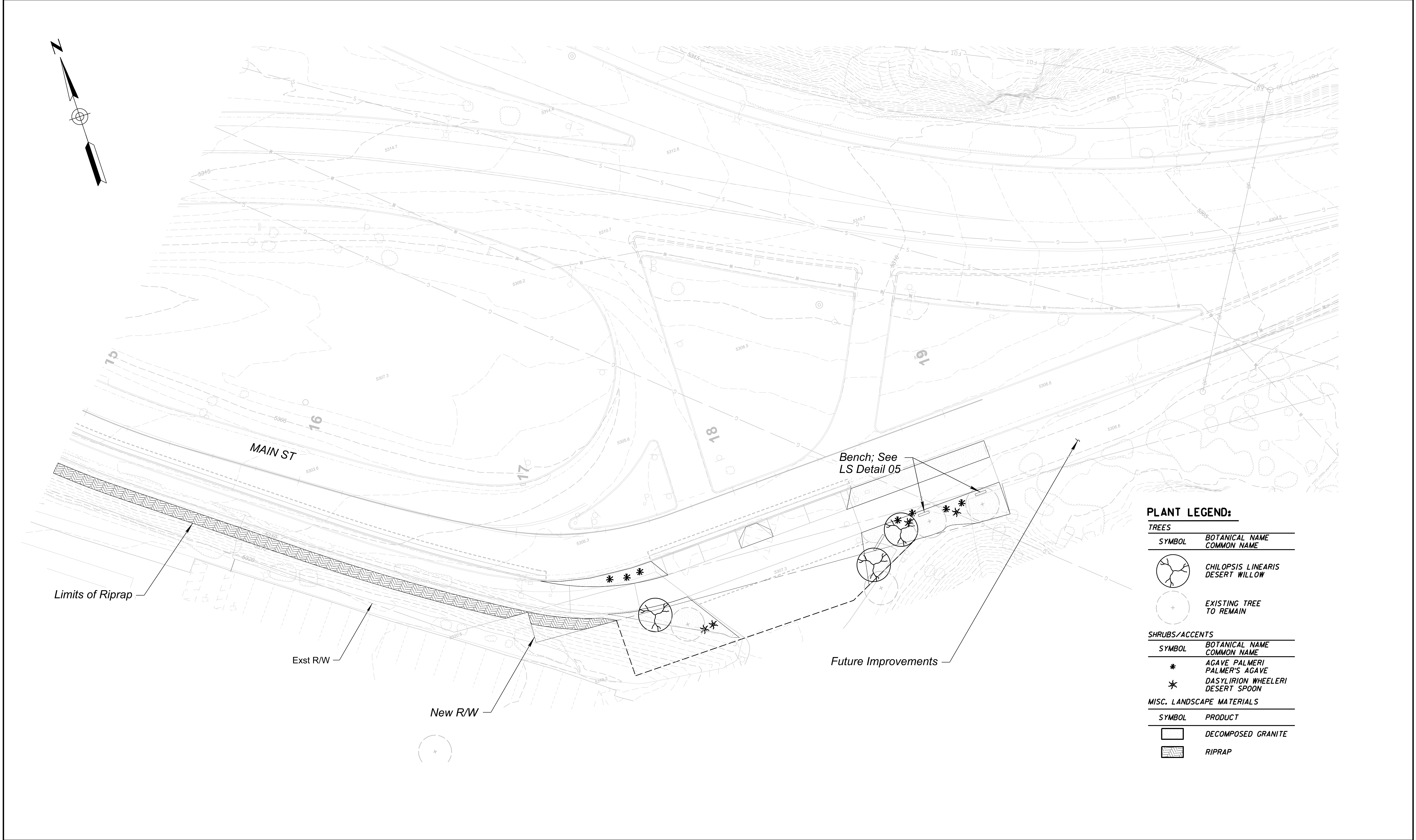


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DESIGN	EMH	08/26
DRAWN	EMH	08/26
CHECKED	RVF	08/26

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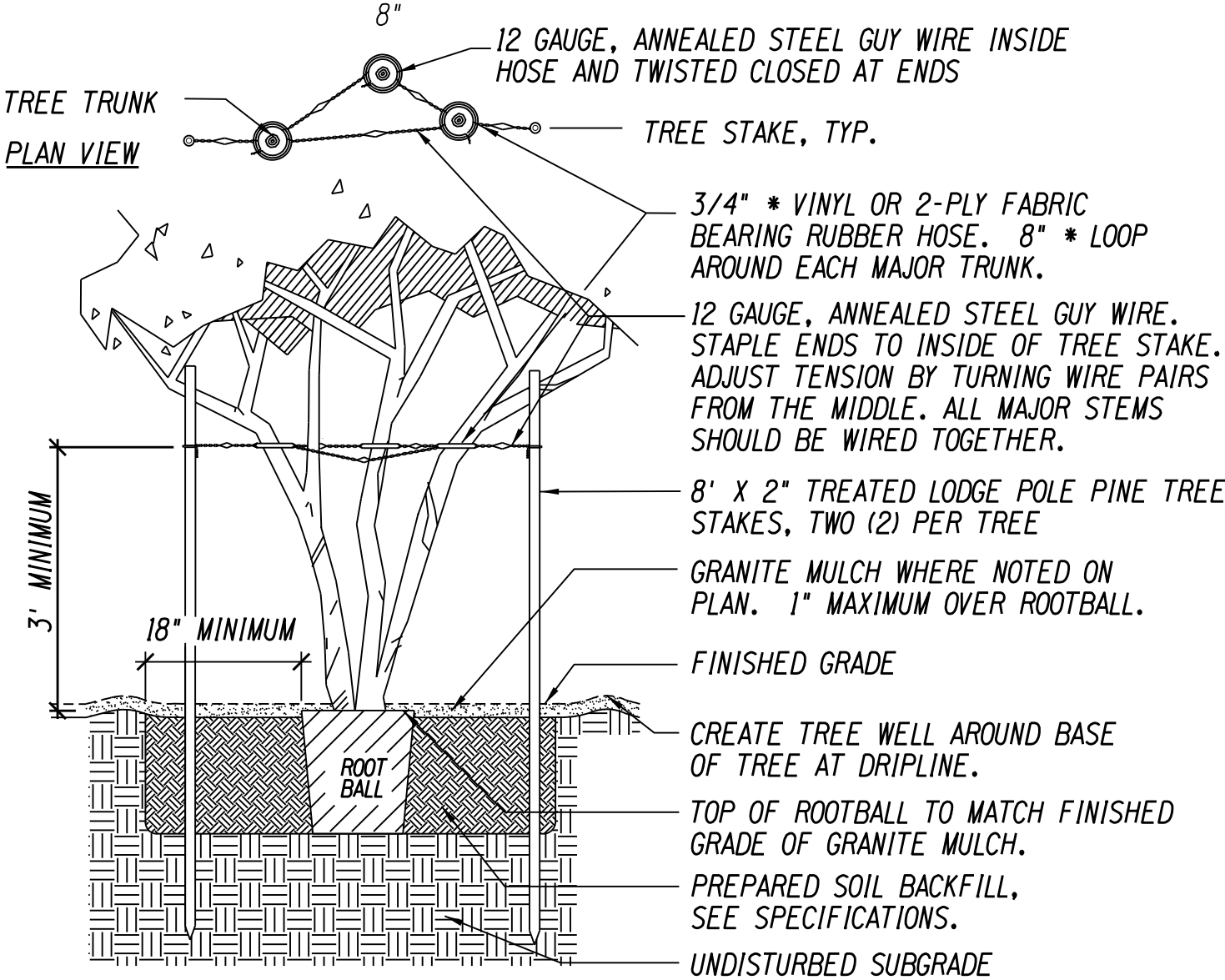
ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION PROJECT MANAGEMENT GROUP	
LANDSCAPE PLAN	

ROUTE SR 80	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. 0000 CH BIS	FEDERAL ID NO. BIS-0(207)T	SHEET NO. 33	TOTAL SHEETS 45	RECORD DRAWING
MILEPOST	LOCATION SR80; QUEEN MINE TOUR - OLD BISBEE					DWG NO. R-03.02	
STRUCTURE NO.	TRACS NO. T0621 01C					___ OF ___	

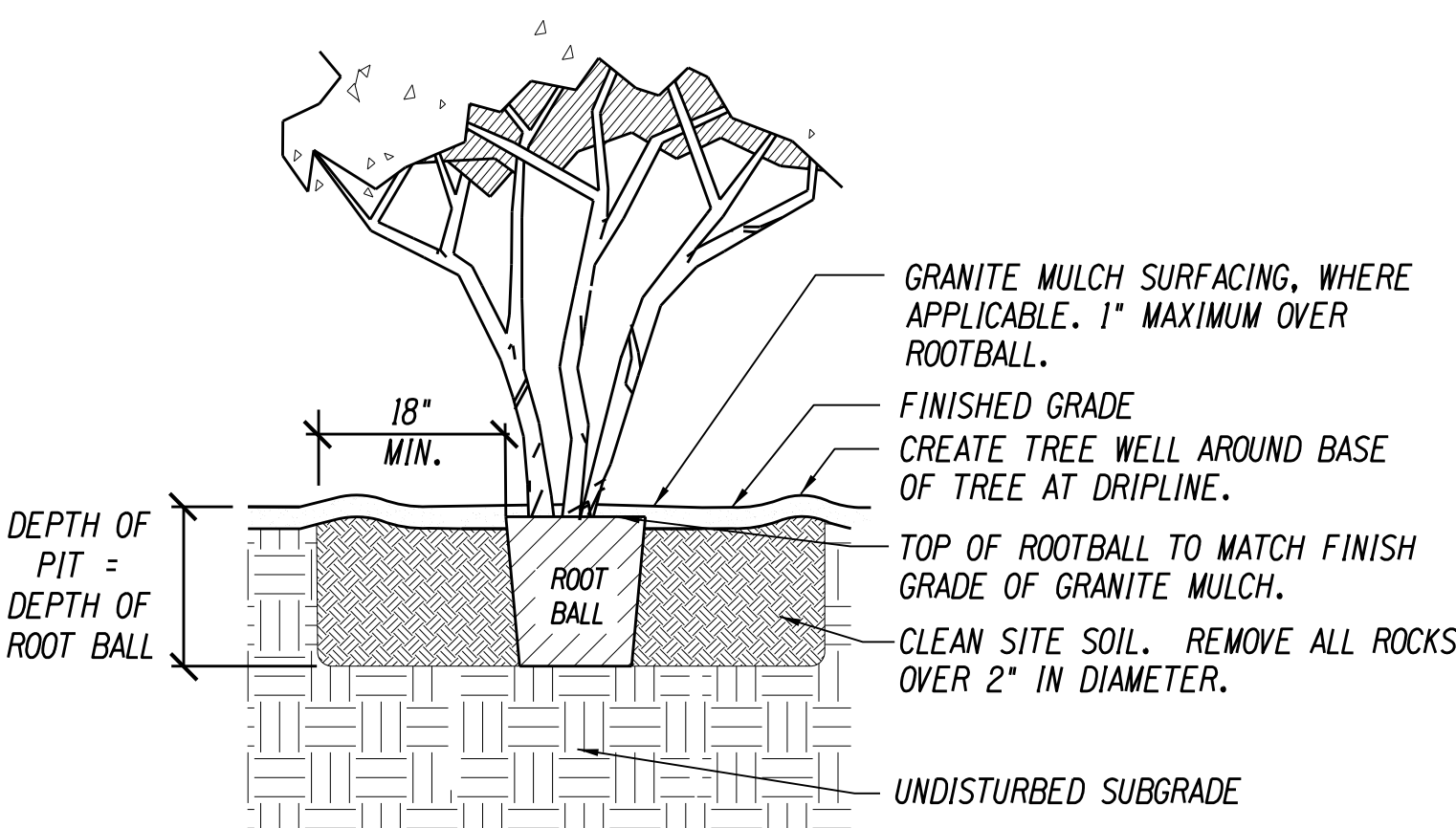


	NAME		DATE	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION PROJECT MANAGEMENT GROUP	ROUTE SR 80	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
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	DRAWN	EMH	08/26		LOCATION SR80; QUEEN MINE TOUR - OLD BISBEE							
	CHECKED	RVF	08/26									
Kimley»Horn 2024 KIMLEY-HORN AND ASSOCIATES, INC.				LANDSCAPE PLAN	MILEPOST	DWG NO. R-03.03						
					STRUCTURE NO.							

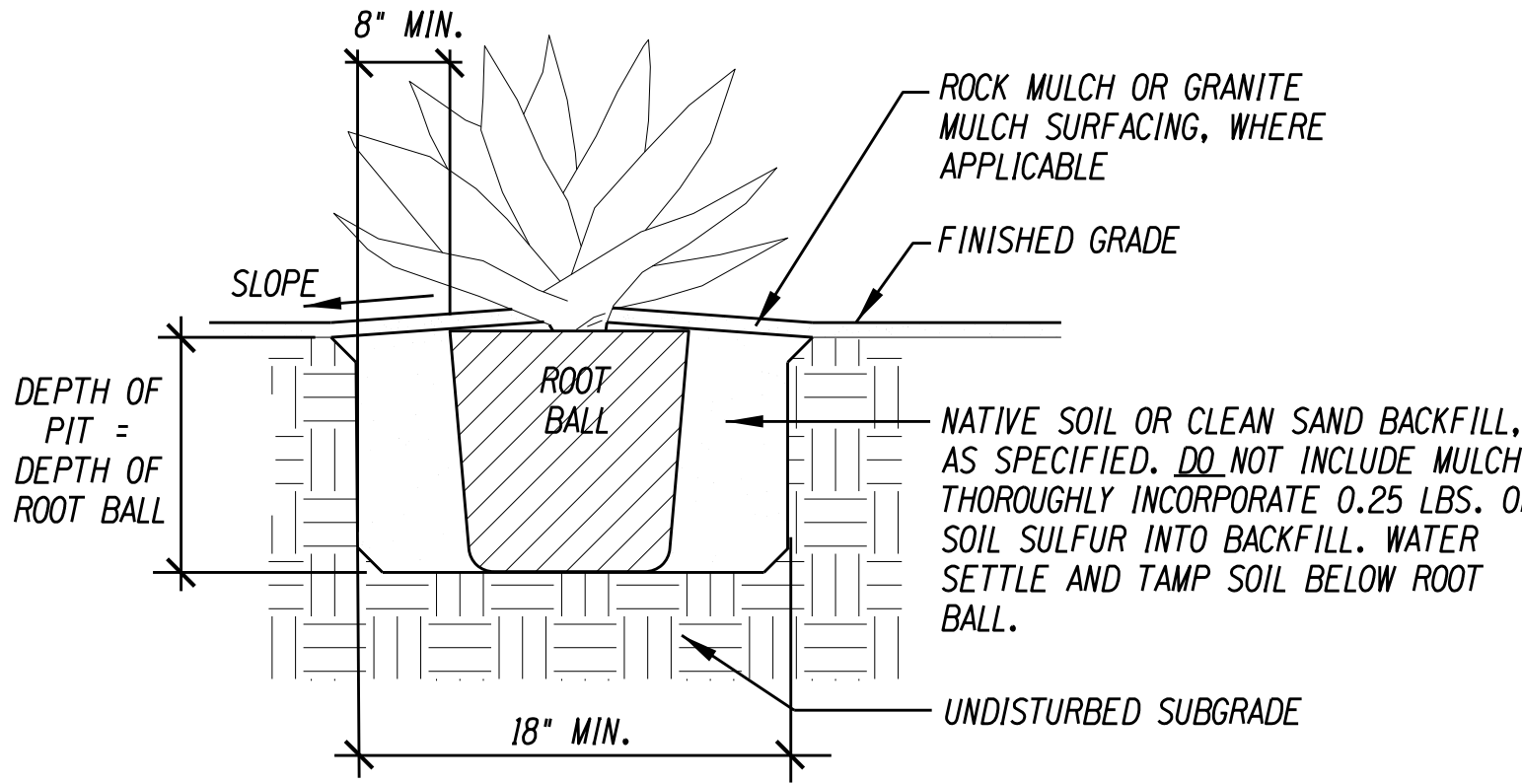
NOTE: TREES TO BE STAKED WILL BE MARKED BY ENGINEER.



- NOTES:
1. ALL TREES TO BE LOW BRANCHING OR MULTI-TRUNK. NO STANDARD TREES TO BE USED.
 2. NO TREES TO BE STAKED EXCEPT AT THE DIRECTION OF THE ENGINEER.
 3. DEPTH OF PLANT PIT = DEPTH OF ROOT BALL



- NOTES:
1. DO NOT CREATE A BASIN AT BASE OF PLANT. SLOPE BACKFILL AWAY FROM STEM.
 2. SET STEM SUCCULENT SO THAT TOP OF ROOT BALL MATCHES ADJACENT GRADE.
 3. THIS DETAIL APPLIES TO NURSERY GROWN STOCK OF THE GENERA AGAVE, HESPERALOE, AND NOLINA.



01 TREE PLANTING - STAKING

NTS



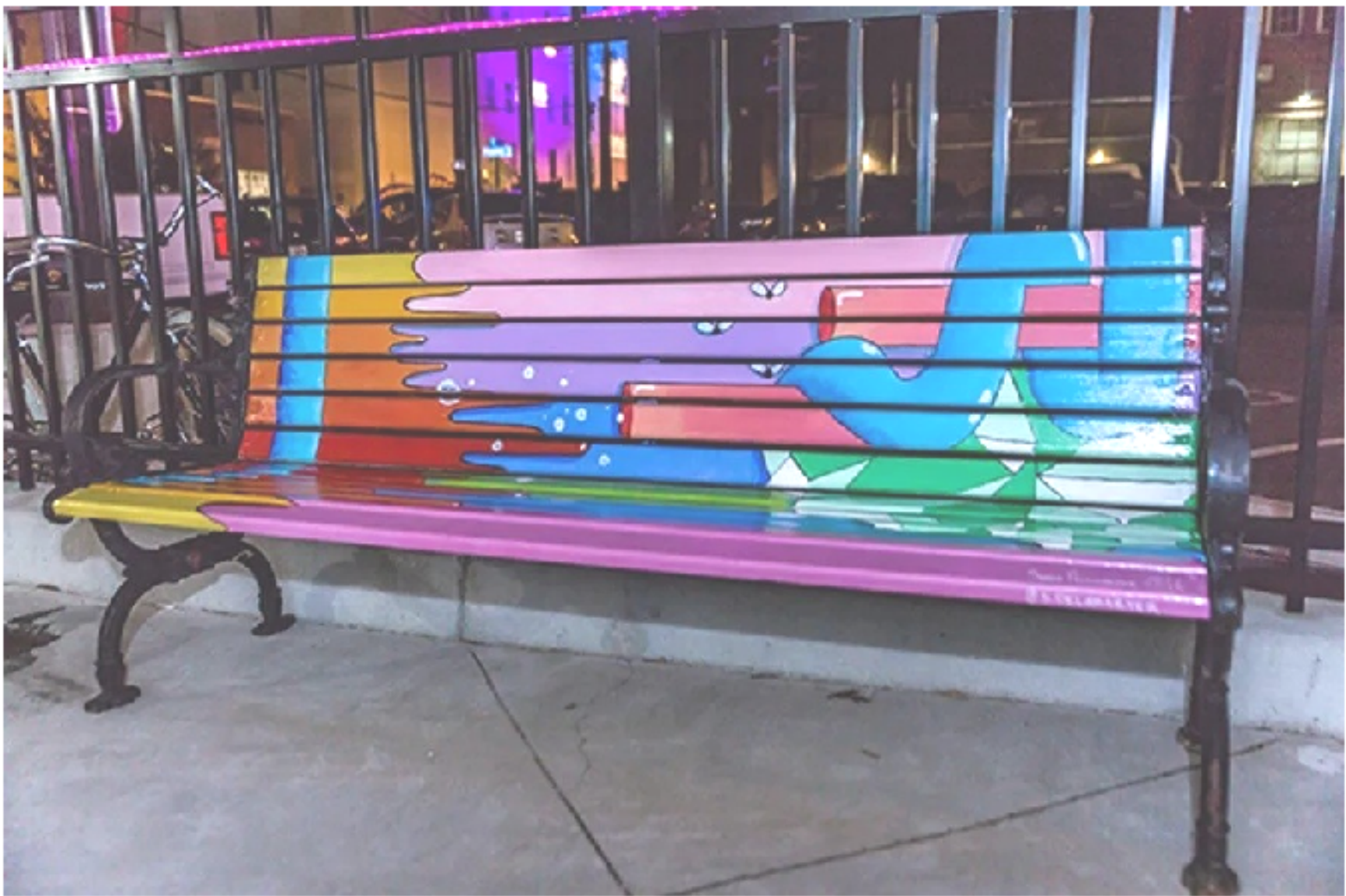
- NOTES:
1. CONTRACTOR TO INSTALL 2' x 2' BRONZE PLAQUE IN PAVEMENT.
 2. PLAQUE DESIGN AND DETAIL TO BE COORDINATED WITH THE CITY OF BISBEE.
 3. INSTALL PLAQUE PER MANUFACTURER RECOMMENDATIONS.
 4. SIGNAGE PLAQUE TO BE PAID FOR UNDER ITEM #9240119

04 SIGNAGE PLAQUE

NTS

02 TREE PLANTING

NTS



- NOTES:
1. CONTRACTOR TO INSTALL 6' COMMERCIAL SLATTED STEEL BENCH WITH BACK.
 2. BENCH SHALL BE SURFACE MOUNTED.
 3. COORDINATE WITH THE CITY OF BISBEE FOR FINISH REQUIREMENTS TO ALLOW FOR FUTURE ART INSTALLATION.
 4. BENCHESPLAQUE TO BE PAID FOR UNDER ITEM #9240120

05 BENCH

NTS

03 SUCCULENT PLANTING

NTS



- NOTES:
1. BELSON BIKE COIL BIKE RACK (BRBC-10 WITH BC-1GM) OR APPROVED EQUAL.
 2. POWDERCOAT FINISH, COLOR TBD.
 3. BIKE RACK TO BE PAID FOR UNDER ITEM #9240121

06 BIKE RACK

NTS



DESIGN	NAME	DATE
EMH		08/26
DRAWN	EMH	08/26
CHECKED	RVF	08/26

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ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION PROJECT MANAGEMENT GROUP
LANDSCAPE DETAILS

ROUTE SR 80	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. 0000 CH BIS	FEDERAL ID NO. BIS-0(207)T	SHEET NO. 35	TOTAL SHEETS 45	RECORD DRAWING
MILEPOST	LOCATION SR80; QUEEN MINE TOUR - OLD BISBEE	TRACS NO. T0621 01C	DWG NO. R-03.04	OF			
STRUCTURE NO.							

GENERAL NOTES

Construction Specification - Arizona Department of Transportation Standard Specification for Road & Bridge Construction, Edition of 2021.

Design Specifications - AASHTO LRFD Bridge Design Specifications, 8th Edition 2017.

The site is classified as: Seismic Zone 1, Site Class D with peak ground acceleration (PGA) (A_g) = 0.077g and spectral acceleration coefficients: at Period 0.2 sec (S_{DS}) = 0.286g, and at Period 1.0 sec (S_{D1}) = 0.122g.

All concrete shall be Class "S" unless otherwise noted. All cement shall be Type V cement for high sulfate resistance.

Strengths: Structural Concrete in Drilled Holes..... 3.0 ksi Soldier Pile Facing and Coping..... 4.0 ksi Other Retaining Walls.....3.0 ksi Lean Concrete in Drilled Holes.....2-Sack Slurry Concrete Drain (Class 'B')..... 2.5 ksi

Reinforcing steel shall conform to ASTM Specification A615. All reinforcing shall be furnished as Grade 60.

All bends & hooks shall meet the requirements of AASHTO LRFD, 8th Edition Artical 5.10.2. All bend dimensions for reinforcing steel shall be out-to-out of bars. All placement dimensions for reinforcing steel shall be to center of bars unless noted otherwise.

All reinforcing steel shall have 2 inch clear cover unless noted otherwise.

All mechanical splices shall conform to the requirements for mechanical connection in section 605-3.02 of the Specifications.

Structural Timber shall be Treated Douglas Fir Grade 2 or better and shall be Full Sawn.

Steel Soldier Piles shall conform to ASTM A572/A572M Grade 50, and shall be painted with two shop coats (primer) in accordance with the Specifications.

Chamfer all exposed corners ¾" unless noted otherwise.

Dimensions shall not be scaled from drawings.

Utilities - The contractor shall coordinate all existing conditions during construction of project. Utility information & locations shown on the plans are approximate & may not be complete or accurately depict the location of the facilities shown. The contractor shall coordinate the location of the facilities shown. The contractor shall coordinate the location of all existing, new, relocated, & abandoned utilities with the project plans & notify respective owners before commencing the work of excavation & any temporary shoring construction. Conflicts shall be brought to the attention of the Engineer & resolved prior to proceeding with the work. See roadway & utility drawings for additional information.

Temporary shoring - The contractor shall be responsible for providing temporary shoring as required to maintain traffic, to protect utilities, for protection of workers, or as otherwise needed to accomplish the work. The contractor shall submit a plan outlining construction procedures, shoring requirements, & design to the Engineer for review & approval prior to proceeding with the work. See section 105.03 of the Standard Specifications for additional information.

GENERAL NOTES

Geometry for all retaining walls is referenced to the Wall Layout Line.

Length of wall segments is measured along the Wall Layout Line.

Refer to roadway dawings for flowline elevations, roadway horizontal alignment, & roadway typical section information.

Soldier pile excavations may encounter caving and/or sloughing of the native soils and harder rock at depth. Temporary casing, slurry, and/or rock bits may be needed to advance soldier piles/drilled shafts.

Drilled shaft construction shall be in accordance with Section 609 of the Specifications and the project-specific special provisions. Integrity testing of the drilled shafts is not required.

For additional geotechnical data, refer to the approved Final Geotechnical Exploration Report prepared by Ethos Engineering, LLC, Project No. 2025025 dated April 3, 2026.

The contractor shall provide shop drawings of the retaining walls to the Engineer for review and approval in accordance with Section 105.03 of the Specifications.

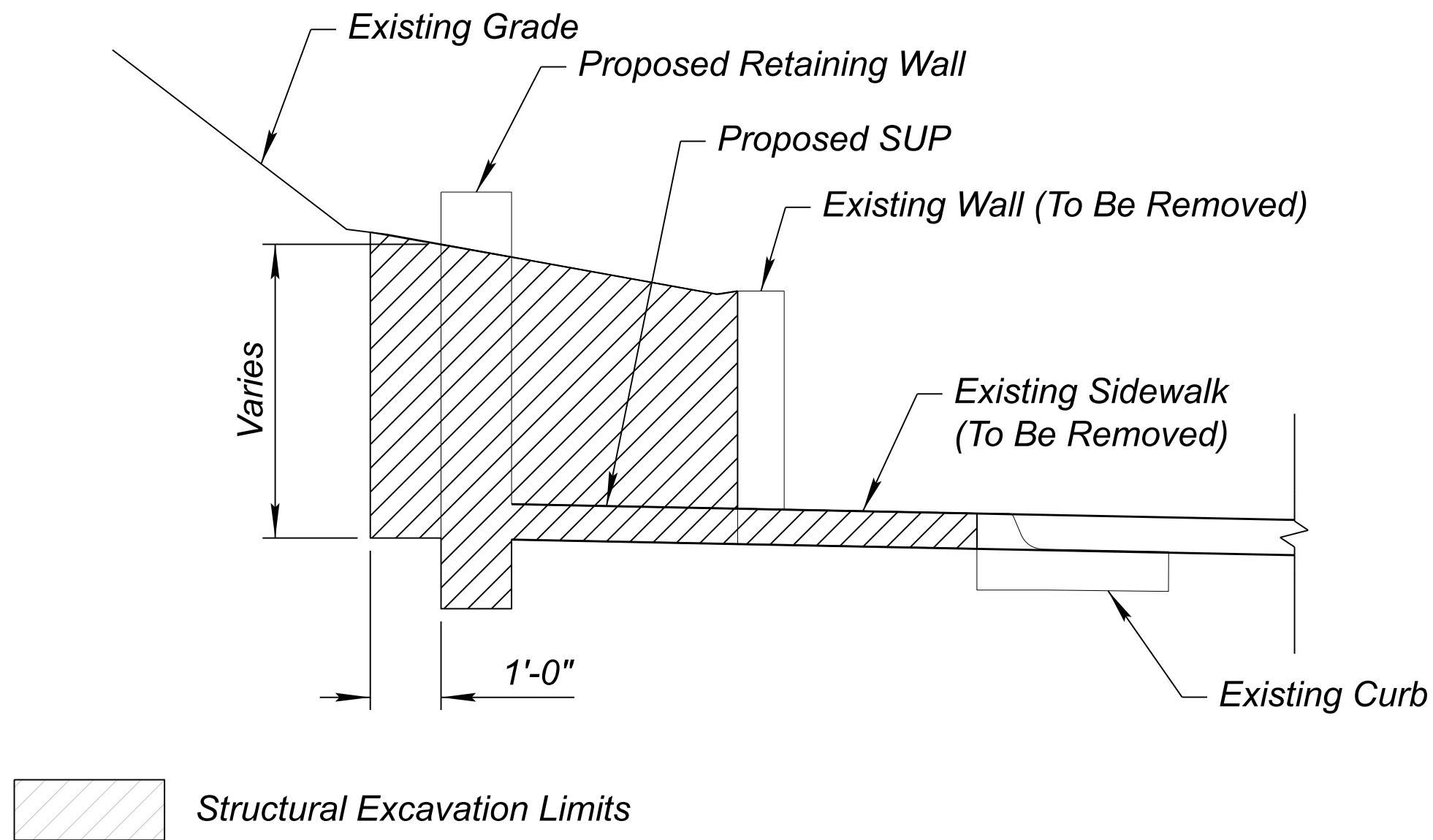
CJ = Contraction Joint EJ = Expansion Joint Elev = Elevation L.O.L. = Wall Layout Line PC = Point of Curve PT = Point of Tangent

INDEX OF DRAWINGS

DWG NO	TITLE
S-1.01	GENERAL NOTES & QUANTITIES
S-1.02-S-1.06	RETAINING WALL DETAILS
S-1.07-S-1.09	PLAN & PROFILE - RW1
S-1.10	PLAN & PROFILE - RW2

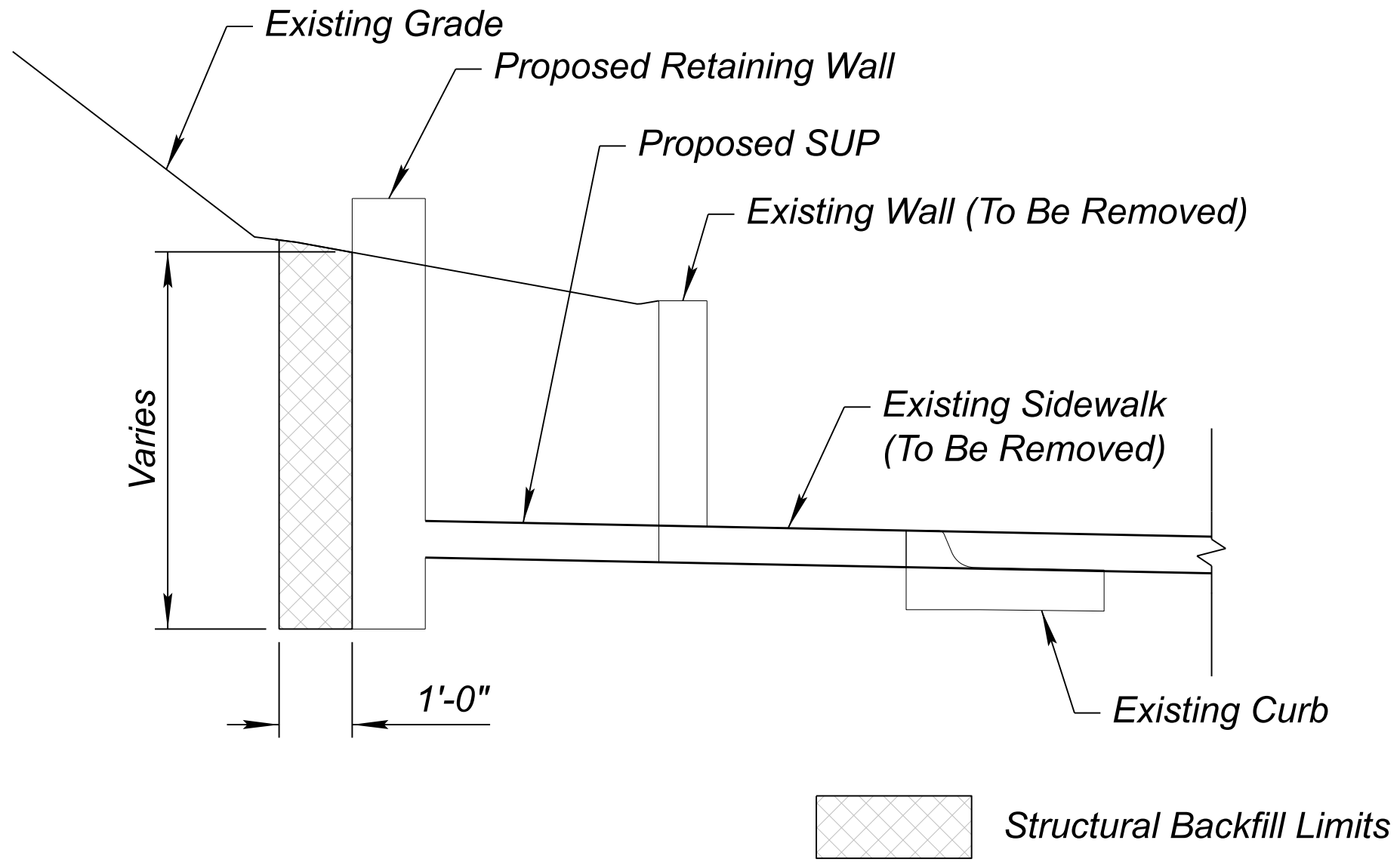
RETAINING WALL APPROXIMATE QUANTITIES		
	RW1	RW2
Soldier Pile Wall	2,720 SF	N/A
Concrete Wall	171 SF	86 SF
Drilled Hole*	656 LF	N/A
Timber Lagging*	13 MFBM	N/A
Structural Concrete*	131 CY	9 CY
Lean Concrete Backfill*	58 CY	N/A
Structural Excavation*	82 CY	19 CY
Structural Backfill*	8 CY	4 CY
Structural Steel*	41,625 lbs	N/A
Reinforcing Steel*	16,550 lbs	1,350 lbs
Place Dowels*	4 EA	10 EA
Remove Wall**	292 LF	15 LF

*The quantities for these items are for informational purposes only and shall be paid for under Items #9140121 and #9140153. **Remove Wall as shown on the plans will be paid for under Item #2020009.



STRUCTURAL EXCAVATION LIMITS

Scale: 1/8" = 1'-0"



STRUCTURAL BACKFILL LIMITS

Scale: 1/8" = 1'-0"

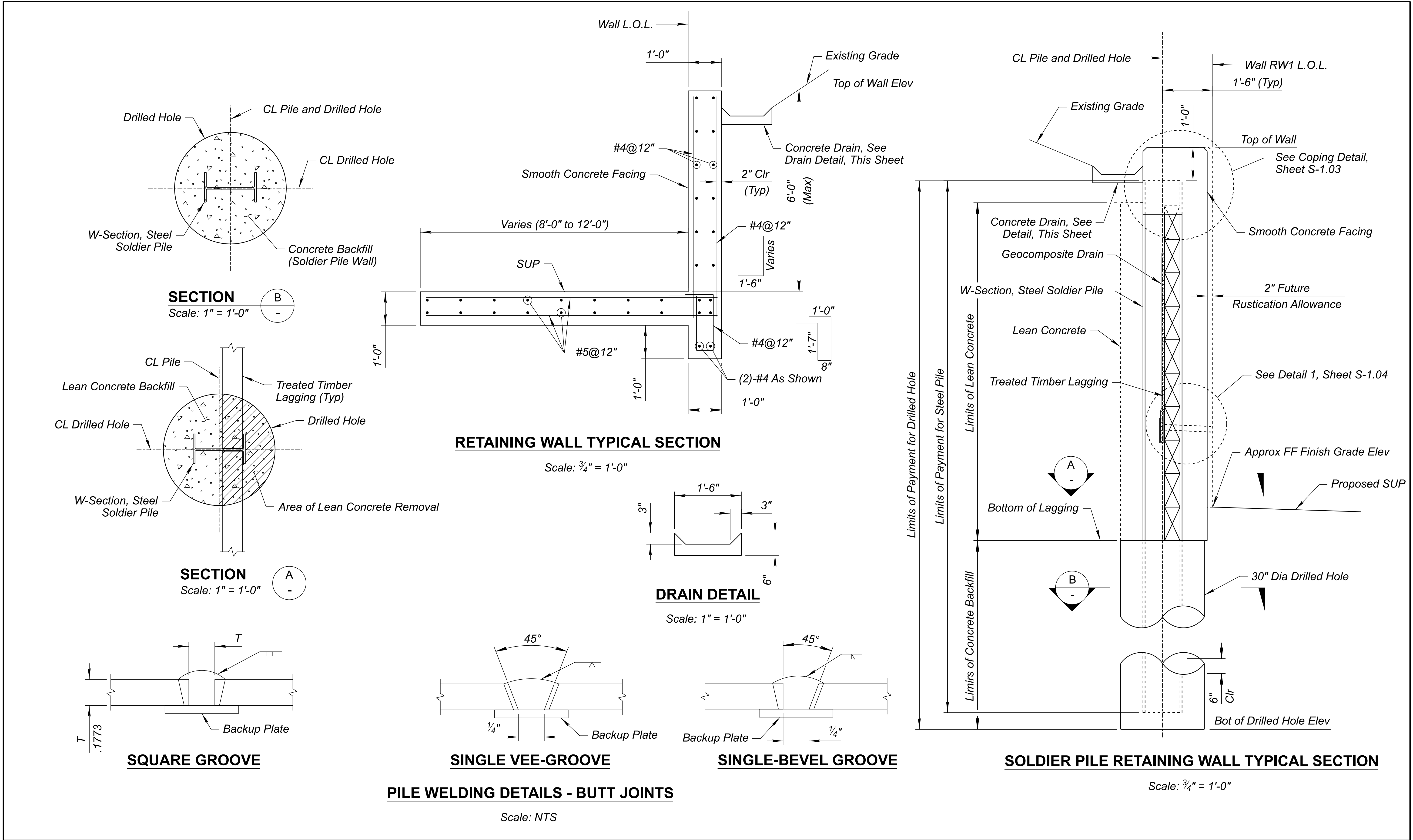


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DRAWN	JPR	08/26
CHECKED	NLM	08/26

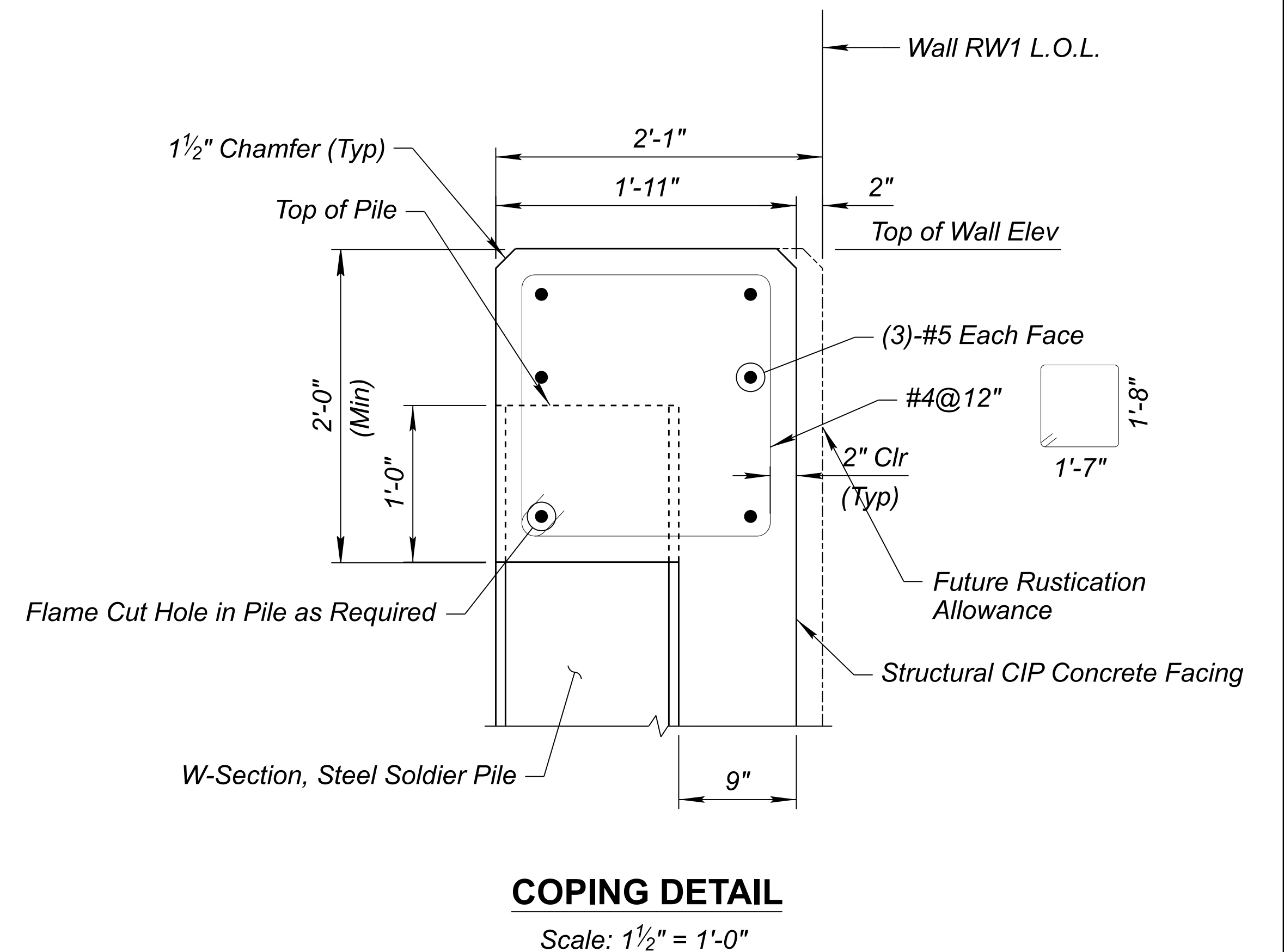
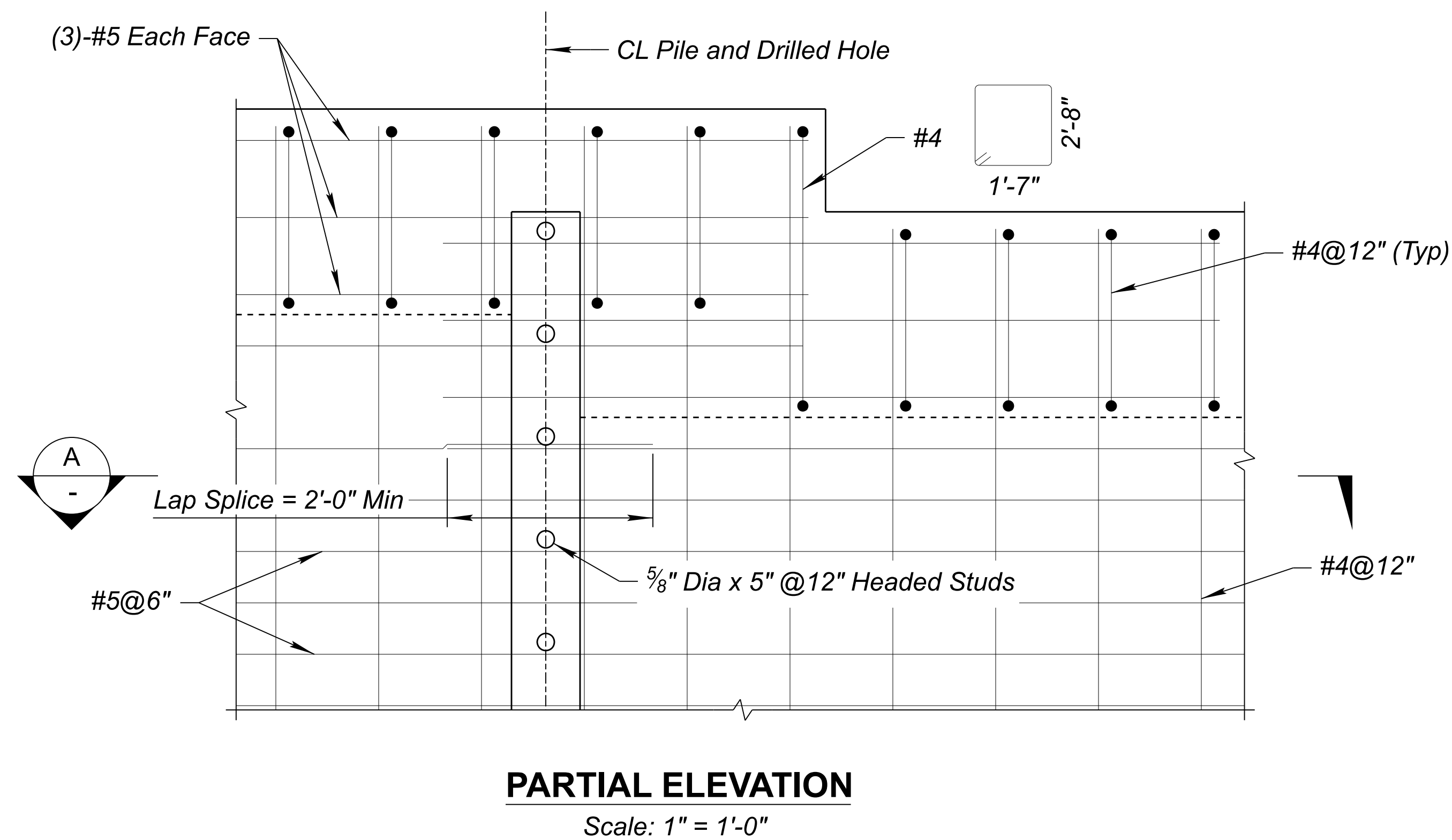
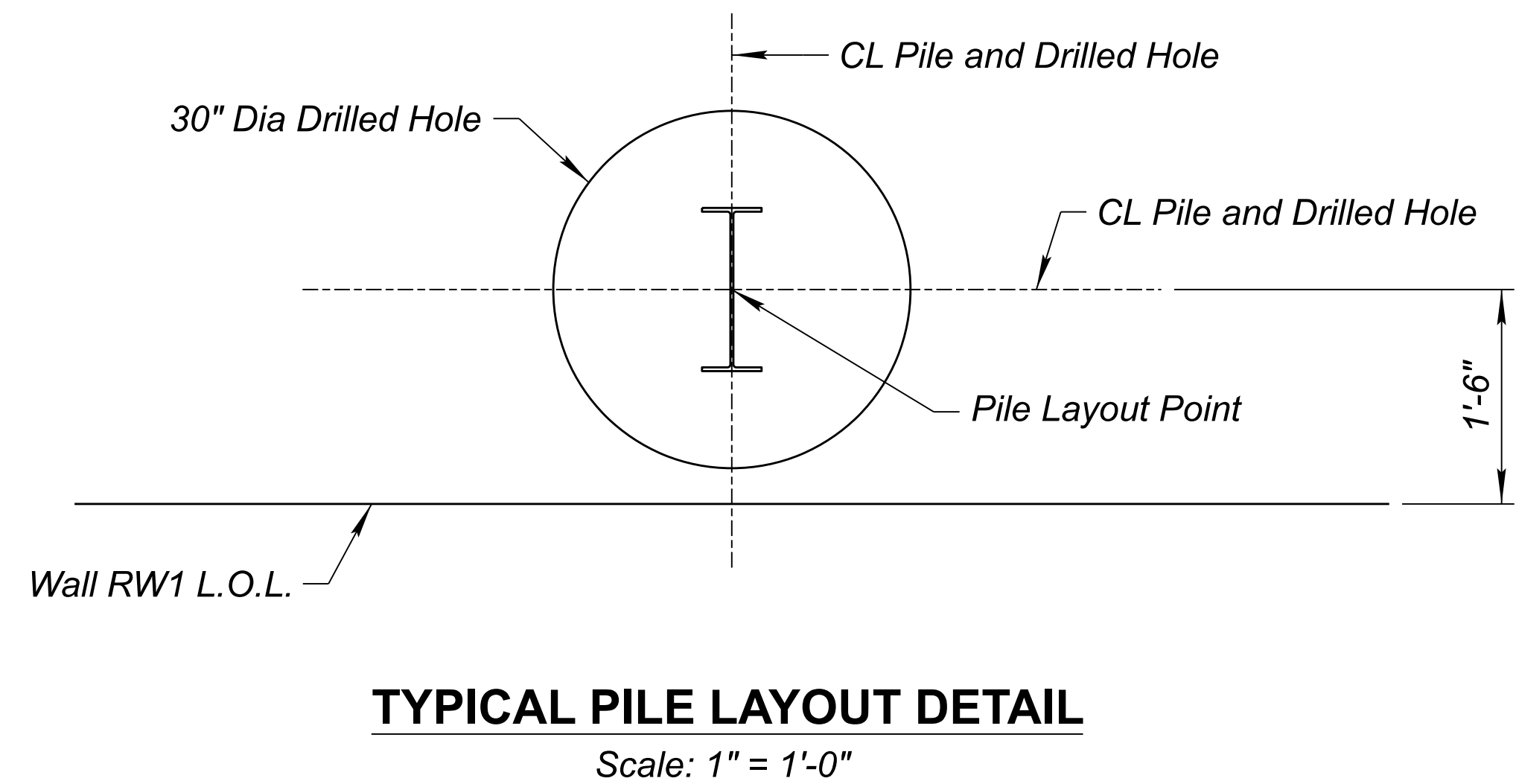
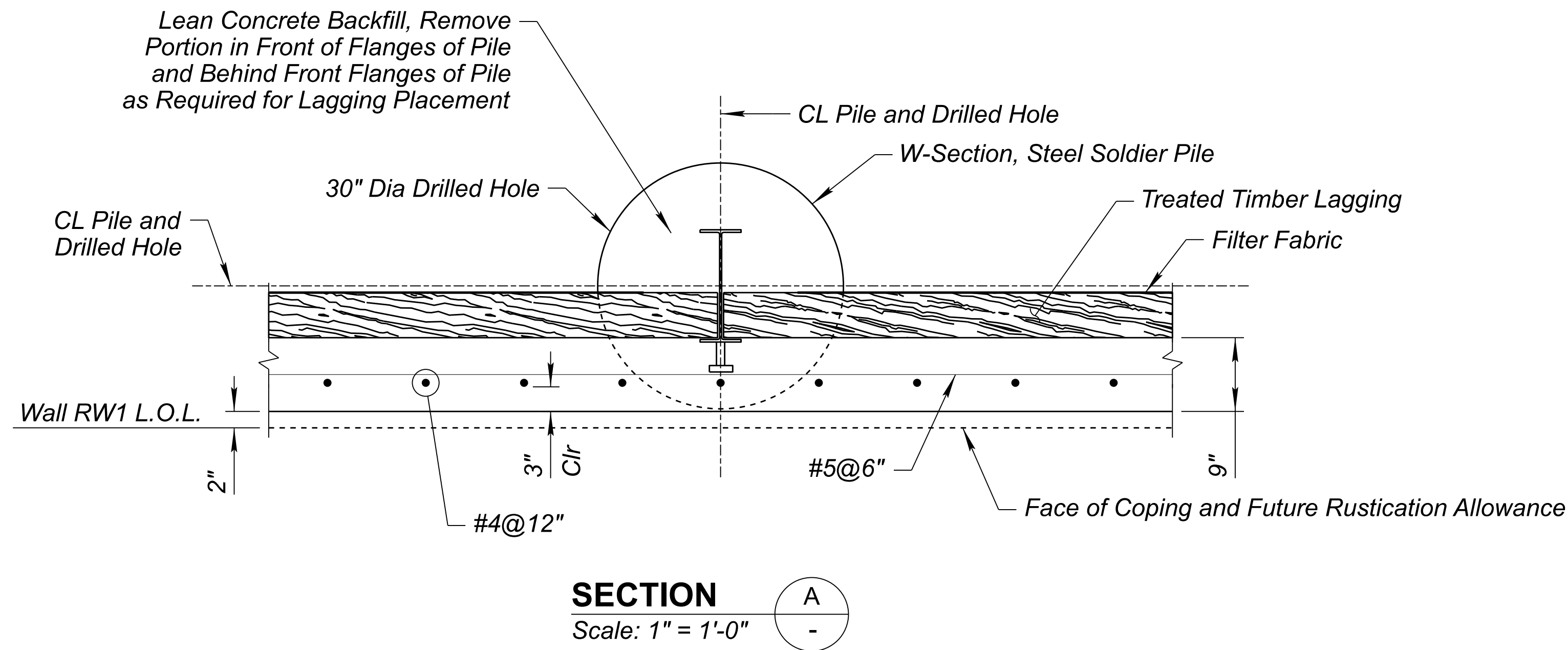
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ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION BRIDGE GROUP	ROUTE SR 80
MAIN STREET RETAINING WALL DETAILS GENERAL NOTES & QUANTITIES	MILEPOST
	STRUCTURE NO.

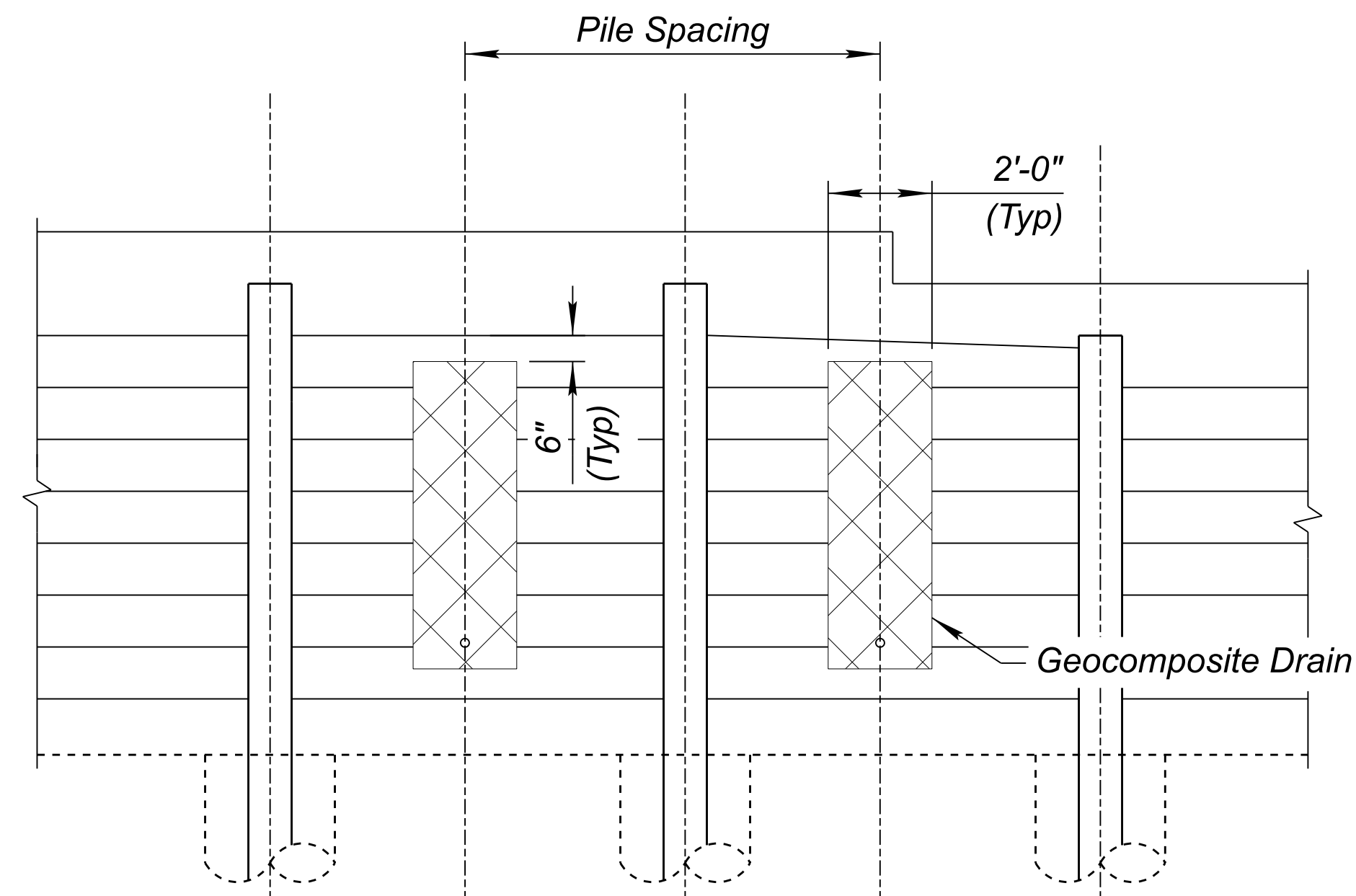
F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. 0000 CH BIS	FEDERAL ID NO. BIS-0(207)T	SHEET NO. 36	TOTAL SHEETS 45	RECORD DRAWING
LOCATION SR 80; QUEEN MINE TOUR - OLD BISBEE				DWG NO. S-1.01		
TRACS NO. T0621 01C		OF				



	NAME		DATE	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION BRIDGE GROUP	ROUTE	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	DESIGN	JPR	08/26		SR 80			0000 CH BIS	BIS-0(207)T	37	45	
	DRAWN	JPR	08/26		MILEPOST			LOCATION SR 80; QUEEN MINE TOUR - OLD BISBEE			DWG NO. S-1.02	
	CHECKED	NLM	08/26	STRUCTURE NO.	TRACS NO. T0621 01C							
										MAIN STREET RETAINING WALL DETAILS STRUCTURAL DETAILS		____ OF ____

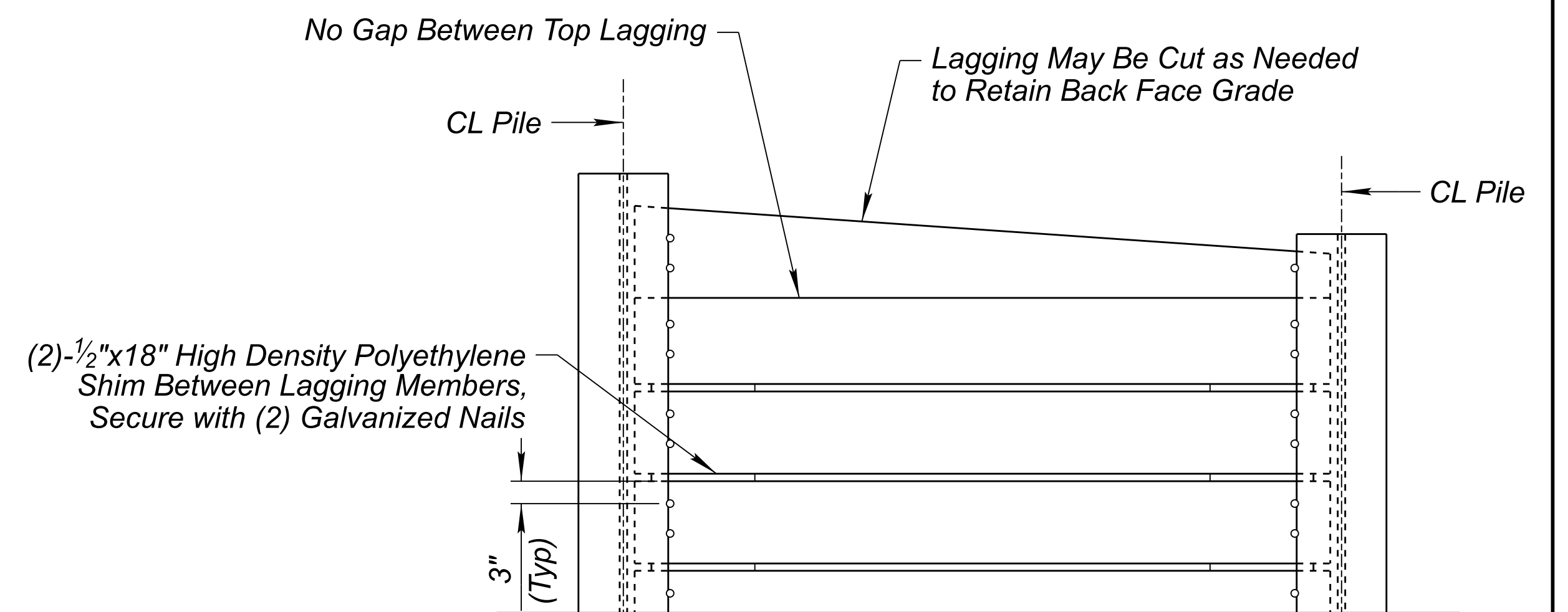


	NAME		DATE	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION BRIDGE GROUP	ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	DESIGN	JPR	08/26		SR 80		ARIZ.	0000 CH BIS	BIS-0(207)T	38	45	
	DRAWN	JPR	08/26		MILEPOST							
	CHECKED	NLM	08/26	 © 2026 KIMLEY-HORN AND ASSOCIATES, INC.	MAIN STREET RETAINING WALL DETAILS STRUCTURAL DETAILS	LOCATION SR 80; QUEEN MINE TOUR - OLD BISBEE						DWG NO. S-1.03
						STRUCTURE NO.	TRACS NO. T0621 01C		____ OF ____			



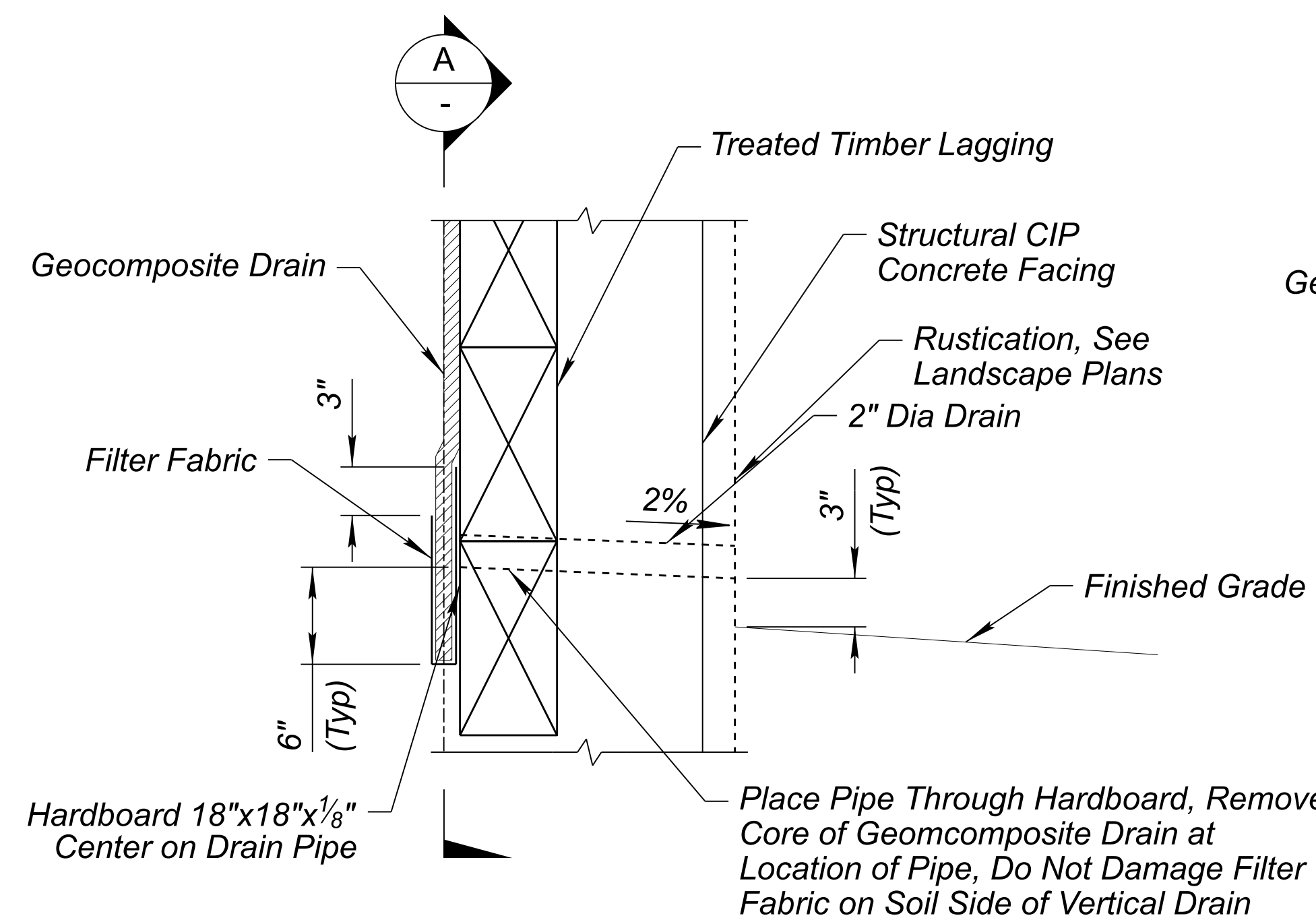
PARTIAL ELEVATION - GEOCOMPOSITE DRAIN

Scale: $\frac{3}{8}" = 1'-0"$



PARTIAL ELEVATION - LAGGING DETAILS

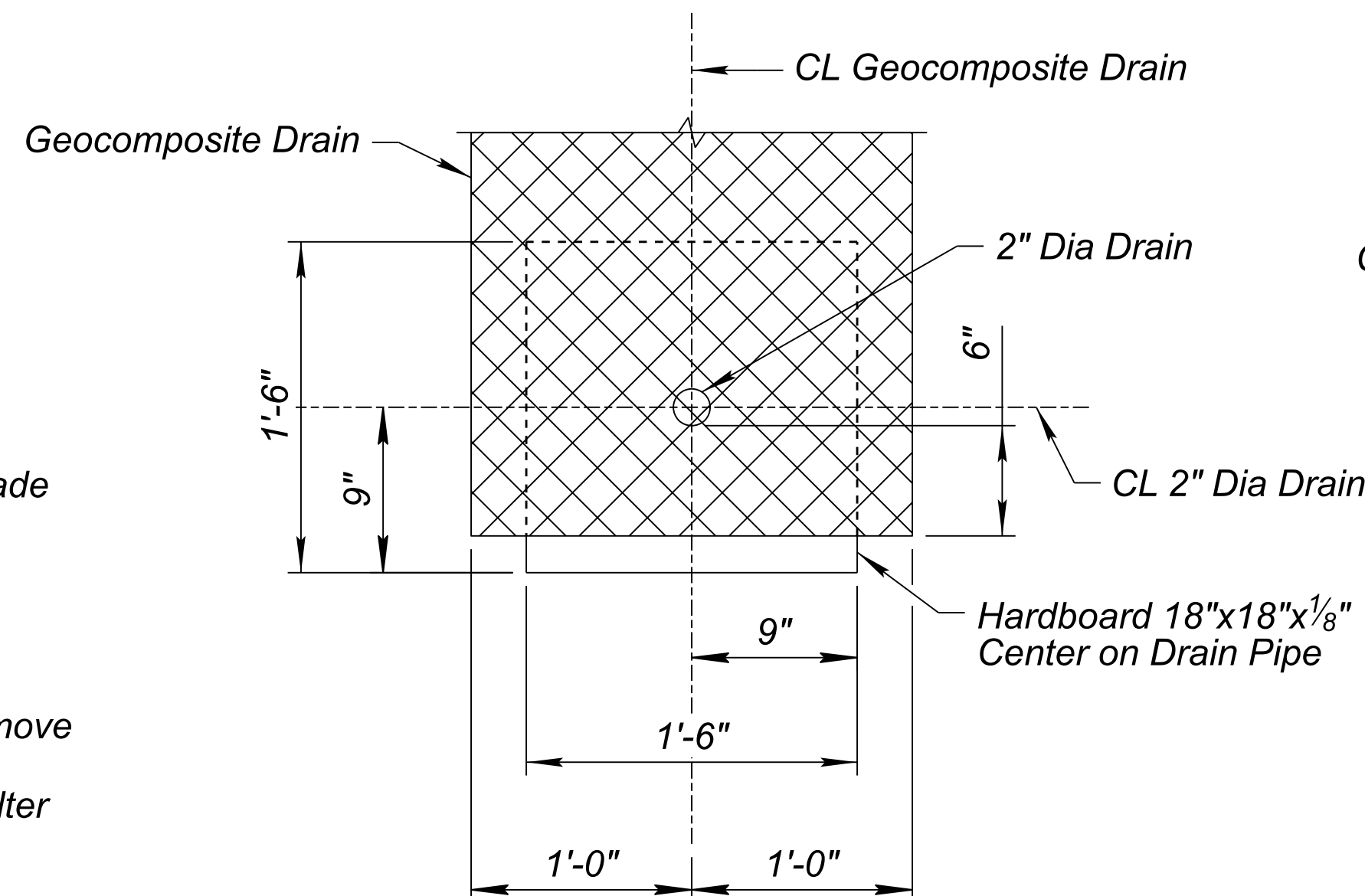
Scale: $\frac{3}{4}" = 1'-0"$



DETAIL

Scale: $\frac{1}{2}" = 1'-0"$

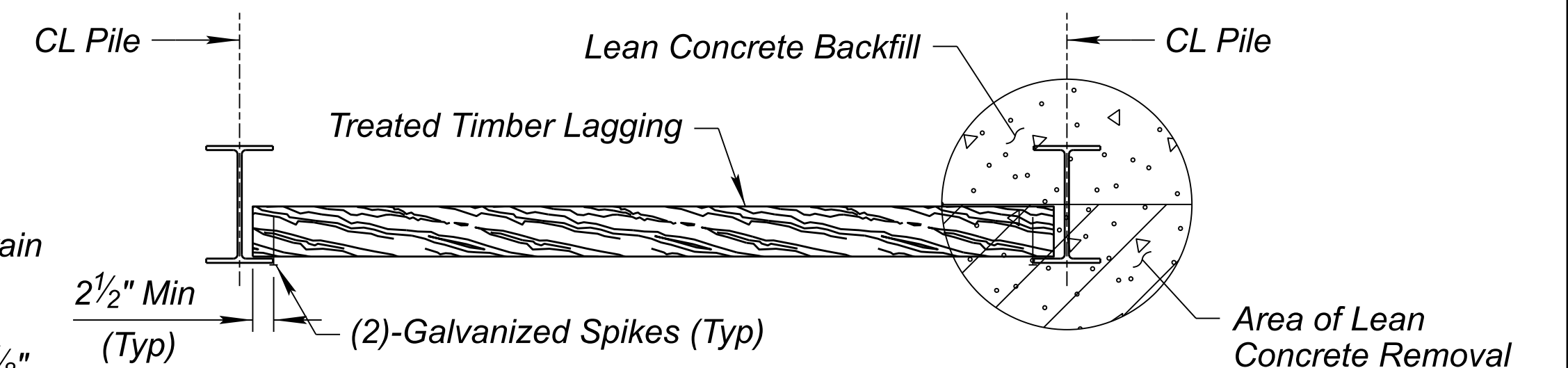
1
1.02



SECTION

Scale: $1\frac{1}{2}" = 1'-0"$

A
-



PARTIAL PLAN

Scale: $\frac{3}{4}" = 1'-0"$



	NAME	DATE
DESIGN	JPR	08/26
DRAWN	JPR	08/26
CHECKED	NLM	08/26

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ARIZONA DEPARTMENT OF TRANSPORTATION
PROJECT DELIVERY AND OPERATIONS DIVISION
BRIDGE GROUP

MAIN STREET
RETAINING WALL DETAILS
STRUCTURAL DETAILS

ROUTE
SR 80

MILEPOST

STRUCTURE NO.

F.H.W.A. Arizona Division

LOCATION **SR 80; QUEEN MINE TOUR - OLD BISBEE**

TRACS NO. **T0621 01C**

STATE
ARIZ.

PROJECT NO.
0000 CH BIS

FEDERAL ID NO.
BIS-0(207)T

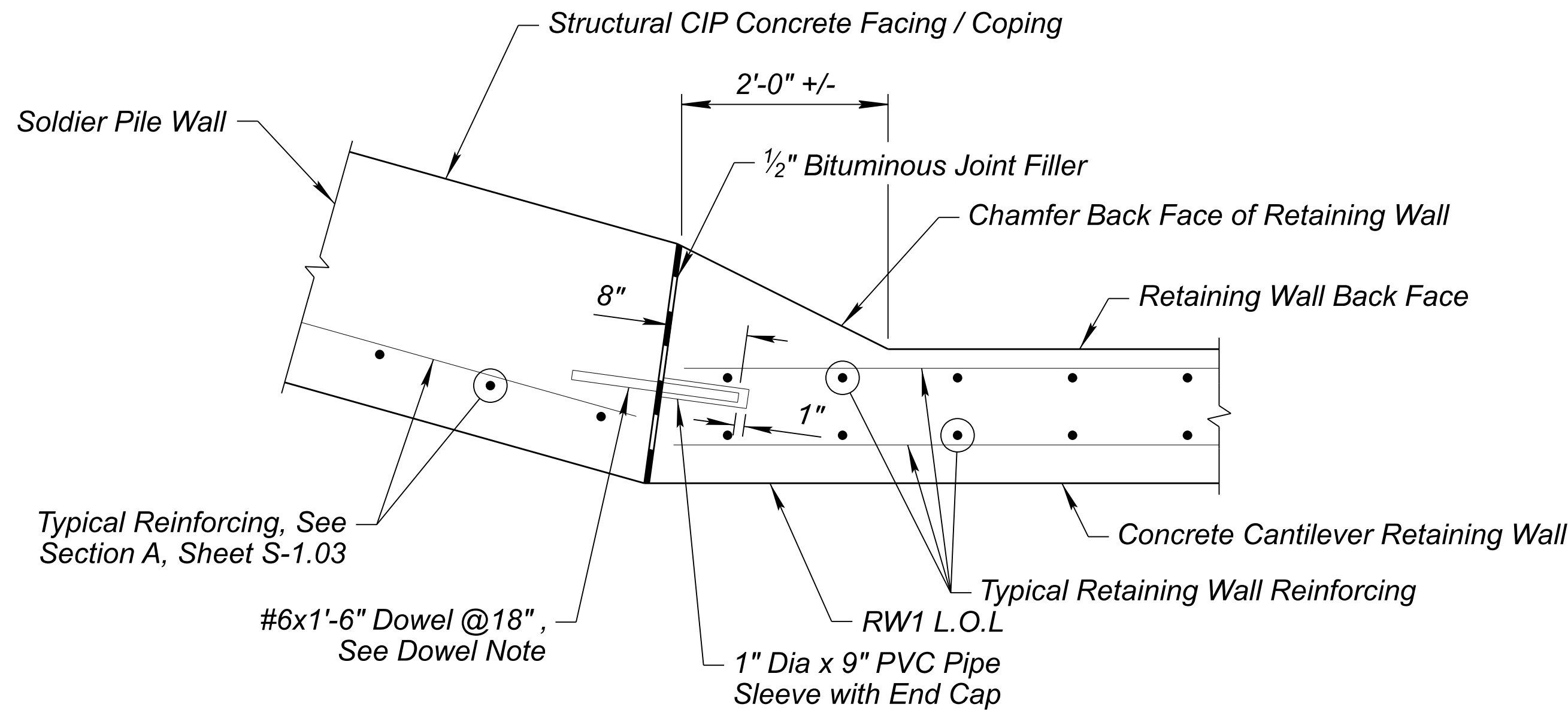
SHEET NO.
39

TOTAL SHEETS
45

RECORD DRAWING

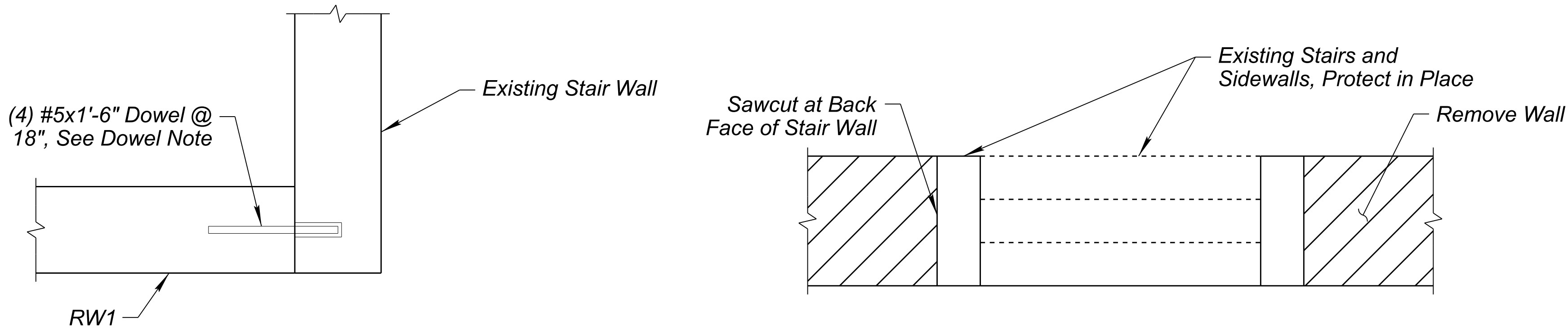
DWG NO. **S-1.04**

OF



WALL TRANSITION DETAIL

Scale: 1" = 1'-0"

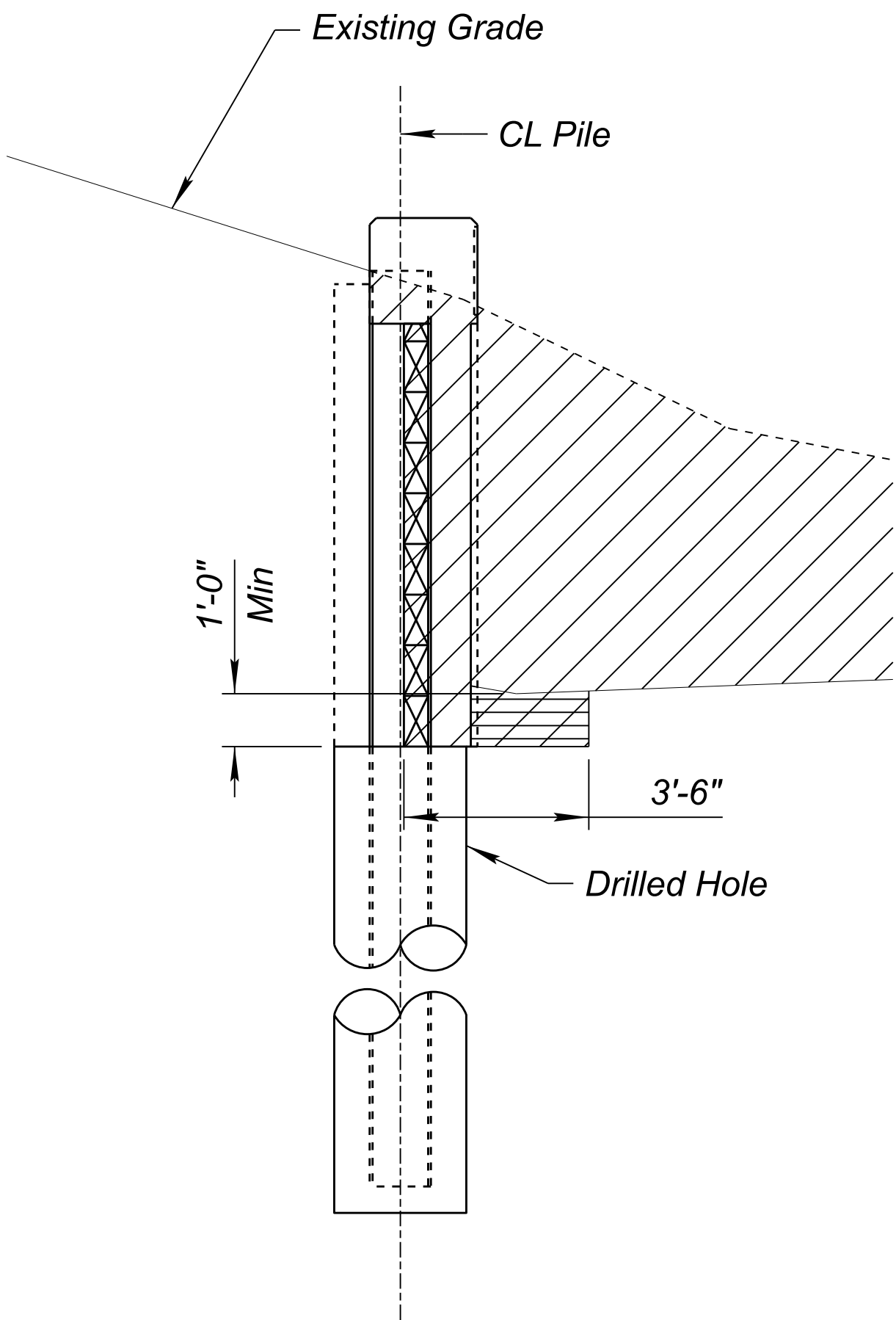


STAIR WALL CONNECTION DETAIL

Scale: 1" = 1'-0"
(RW1 Shown, RW2 Similar)

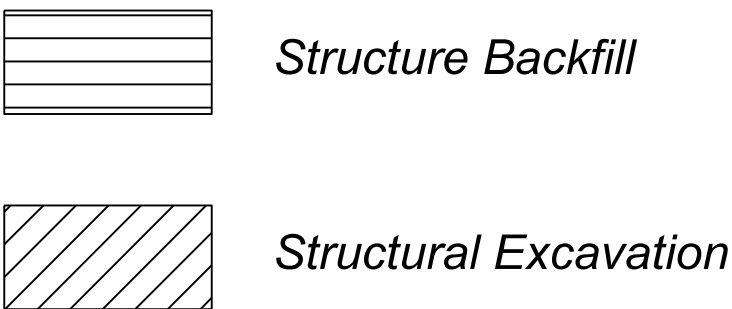
WALL REMOVAL DETAIL AT STAIRS

Scale: 1" = 1'-0"



STRUCTURAL EXCAVATION AND BACKFILL LIMITS

Scale: 3/8" = 1'-0"



DOWEL NOTE
Drill 7/8" diameter hole 6" deep for #5 dowel. Epoxy dowel in hole with an approved epoxy adhesive. Epoxy anchorage shall develop a tensile pullout strength of 9 kips for #5 dowels.



	NAME	DATE
DESIGN	JPR	08/26
DRAWN	JPR	08/26
CHECKED	NLM	08/26

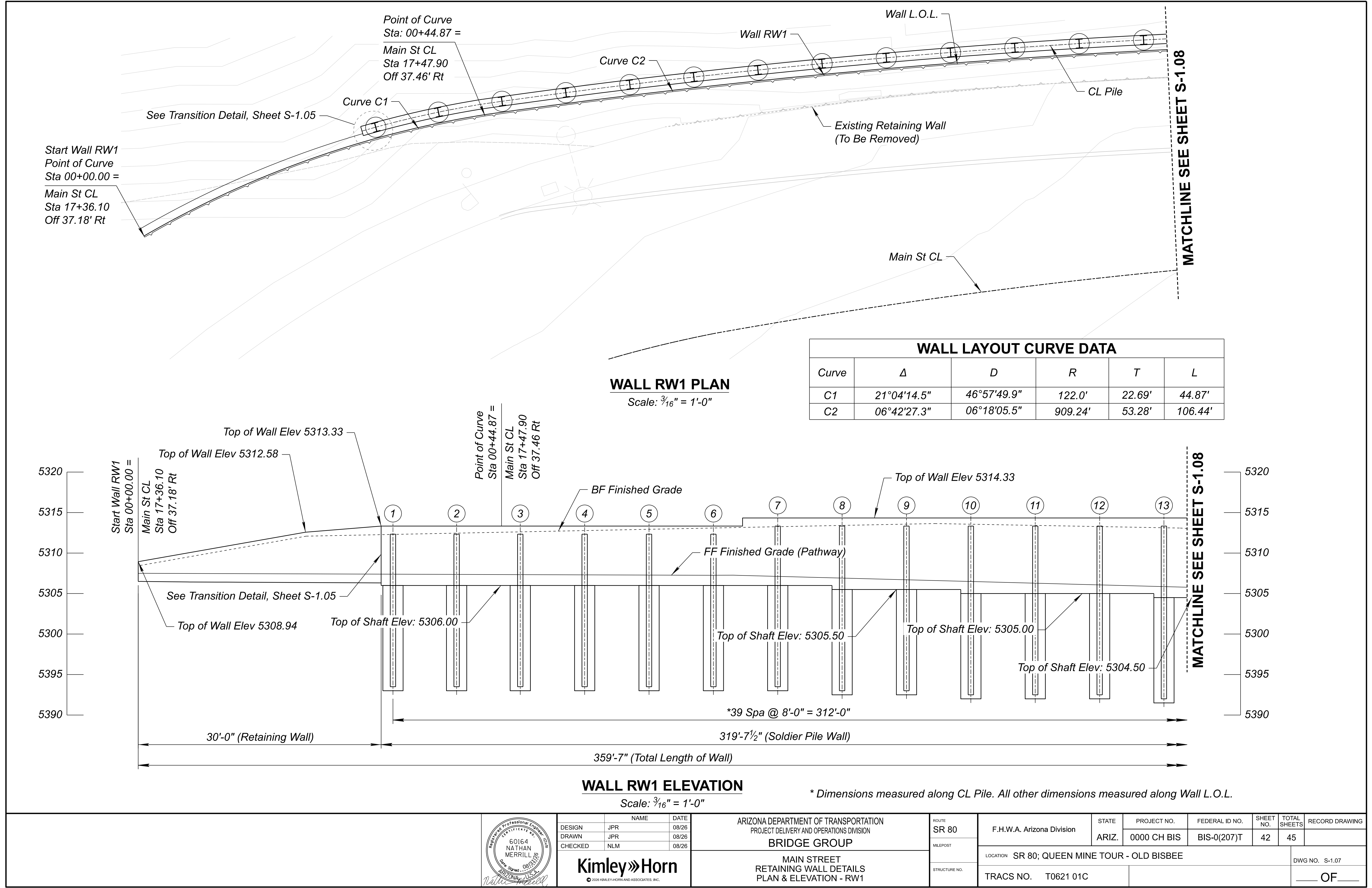
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ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION BRIDGE GROUP	ROUTE SR 80
MAIN STREET RETAINING WALL DETAILS STRUCTURAL DETAILS	MILEPOST
	STRUCTURE NO.

F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. 0000 CH BIS	FEDERAL ID NO. BIS-0(207)T	SHEET NO. 40	TOTAL SHEETS 45	RECORD DRAWING
LOCATION SR 80; QUEEN MINE TOUR - OLD BISBEE						DWG NO. S-1.05
TRACS NO. T0621 01C						____ OF ____

Pile No.	Steel Pile Data						
	Pile Size	Location of Pile Along Pile CL				Top of Pile Elev (ft)	Bot of Drilled Hole Elev (ft)
		Northing	Easting	LOL Station	LOL Offset		
1	W14x43	160267.92	779552.39	00+31.46	1.5' Lt	5312.33	5290.00
2	W14x43	160271.38	779545.07	00+39.32	1.5' Lt	5312.33	5290.00
3	W14x43	160275.32	779538.15	00+47.18	1.5' Lt	5312.33	5290.00
4	W14x43	160279.49	779531.37	00+55.13	1.5' Lt	5312.33	5290.00
5	W14x43	160283.72	779524.63	00+63.08	1.5' Lt	5312.33	5290.00
6	W14x43	160288.00	779517.92	00+71.03	1.5' Lt	5312.33	5290.00
7	W14x43	160292.35	779511.25	00+78.97	1.5' Lt	5313.33	5290.00
8	W14x43	160296.76	779504.62	00+86.92	1.5' Lt	5313.33	5289.50
9	W14x43	160301.22	779498.03	00+94.87	1.5' Lt	5313.33	5289.50
10	W14x43	160305.74	779491.47	01+02.82	1.5' Lt	5313.33	5289.00
11	W14x43	160310.32	779484.96	01+10.77	1.5' Lt	5313.33	5289.00
12	W14x43	160314.95	779478.48	01+18.72	1.5' Lt	5313.33	5289.00
13	W14x43	160319.64	779472.05	01+26.66	1.5' Lt	5313.33	5288.50
14	W14x43	160324.39	779465.66	01+34.61	1.5' Lt	5312.33	5288.50
15	W14x43	160329.19	779459.31	01+42.56	1.5' Lt	5312.33	5288.00
16	W14x43	160334.05	779453.00	01+50.51	1.5' Lt	5311.33	5288.00
17	W14x43	160338.94	779446.72	01+58.47	1.5' Lt	5311.33	5288.00
18	W14x43	160343.83	779440.44	01+66.43	1.5' Lt	5311.33	5287.50
19	W14x43	160348.72	779434.16	01+74.39	1.5' Lt	5311.33	5287.50
20	W14x43	160353.61	779427.87	01+82.35	1.5' Lt	5311.33	5287.50
21	W14x43	160358.50	779421.59	01+90.31	1.5' Lt	5311.33	5287.00
22	W14x43	160363.39	779415.31	01+98.27	1.5' Lt	5311.33	5287.00
23	W14x43	160368.28	779409.03	02+06.23	1.5' Lt	5310.33	5287.00
24	W14x43	160373.17	779402.75	02+14.20	1.5' Lt	5310.33	5287.00
25	W14x43	160378.06	779396.46	02+22.16	1.5' Lt	5310.33	5287.00
26	W14x43	160382.95	779390.18	02+30.12	1.5' Lt	5310.33	5287.00
27	W14x43	160387.84	779383.90	02+38.08	1.5' Lt	5310.33	5286.50
28	W14x43	160392.76	779377.64	02+46.02	1.5' Lt	5310.33	5286.00
29	W14x43	160397.82	779371.50	02+53.94	1.5' Lt	5310.33	5286.00
30	W14x43	160403.02	779365.47	02+61.87	1.5' Lt	5310.33	5285.50
31	W14x43	160408.36	779359.57	02+69.80	1.5' Lt	5310.33	5285.50
32	W14x43	160413.84	779353.79	02+77.72	1.5' Lt	5310.33	5285.50
33	W14x43	160419.45	779348.14	02+85.65	1.5' Lt	5309.33	5285.50
34	W14x43	160425.19	779342.62	02+93.57	1.5' Lt	5309.33	5285.50
35	W14x43	160431.06	779337.24	03+01.50	1.5' Lt	5309.33	5285.50
36	W14x43	160437.05	779332.00	03+09.43	1.5' Lt	5308.33	5285.00
37	W14x43	160443.16	779326.90	03+17.35	1.5' Lt	5307.33	5285.00
38	W14x43	160449.39	779321.94	03+25.28	1.5' Lt	5307.33	5285.00
39	W14x43	160455.99	779317.50	03+33.02	1.5' Lt	5307.33	5285.00
40	W14x43	160463.19	779314.13	03+40.75	1.5' Lt	5307.33	5285.00
41	W14x43	160468.81	779312.01	03+46.75	1.5' Lt	5307.33	5285.00

	DESIGN	JPR	08/26	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION BRIDGE GROUP	ROUTE	SR 80	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	DRAWN	JPR	08/26		MILEPOST	0000 CH BIS			BIS-0(207)T	41	45		
	CHECKED	NLM	08/26		STRUCTURE NO.	LOCATION SR 80; QUEEN MINE TOUR - OLD BISBEE				DWG NO. S-1.06			
	Kimley»Horn © 2006 KIMLEY-HORN AND ASSOCIATES, INC.				MAIN STREET RETAINING WALL DETAILS STRUCTURAL DETAILS		TRACS NO. T0621 01C		____ OF ____				



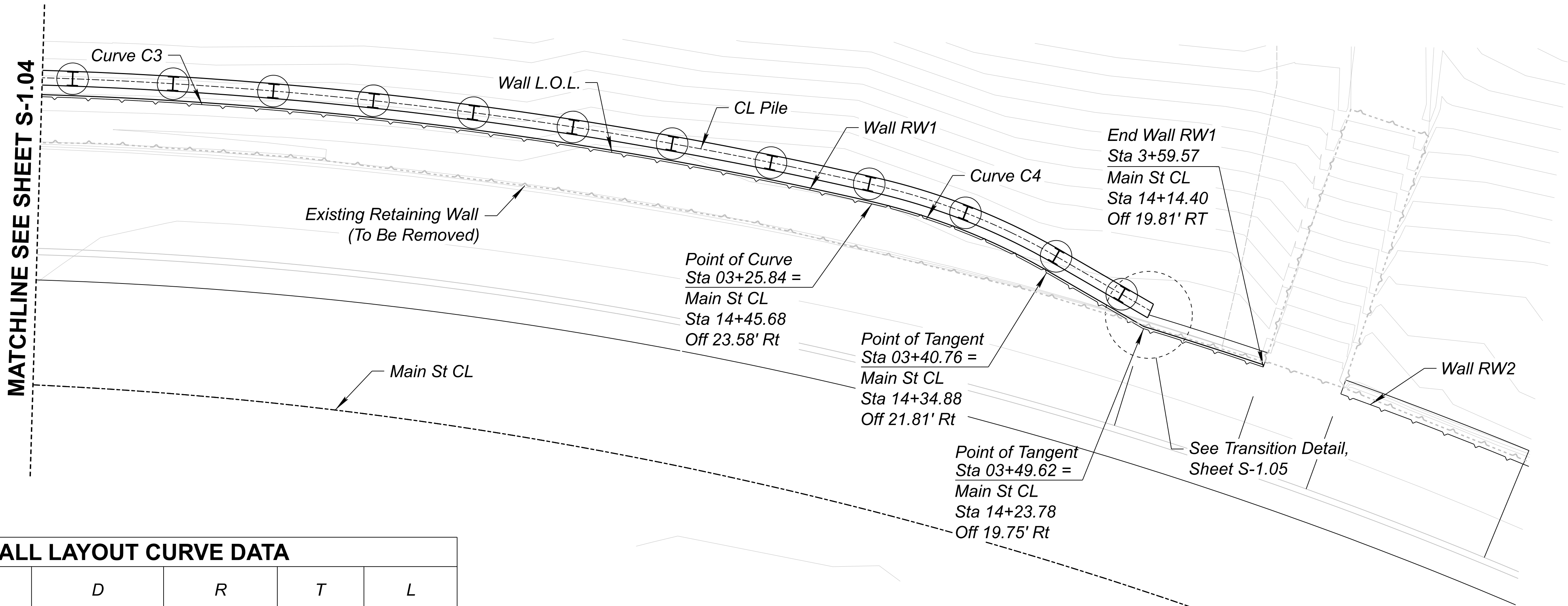
DESIGN	JPR	08/26
DRAWN	JPR	08/26
CHECKED	NLM	08/26

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ARIZONA DEPARTMENT OF TRANSPORTATION
PROJECT DELIVERY AND OPERATIONS DIVISION
BRIDGE GROUP

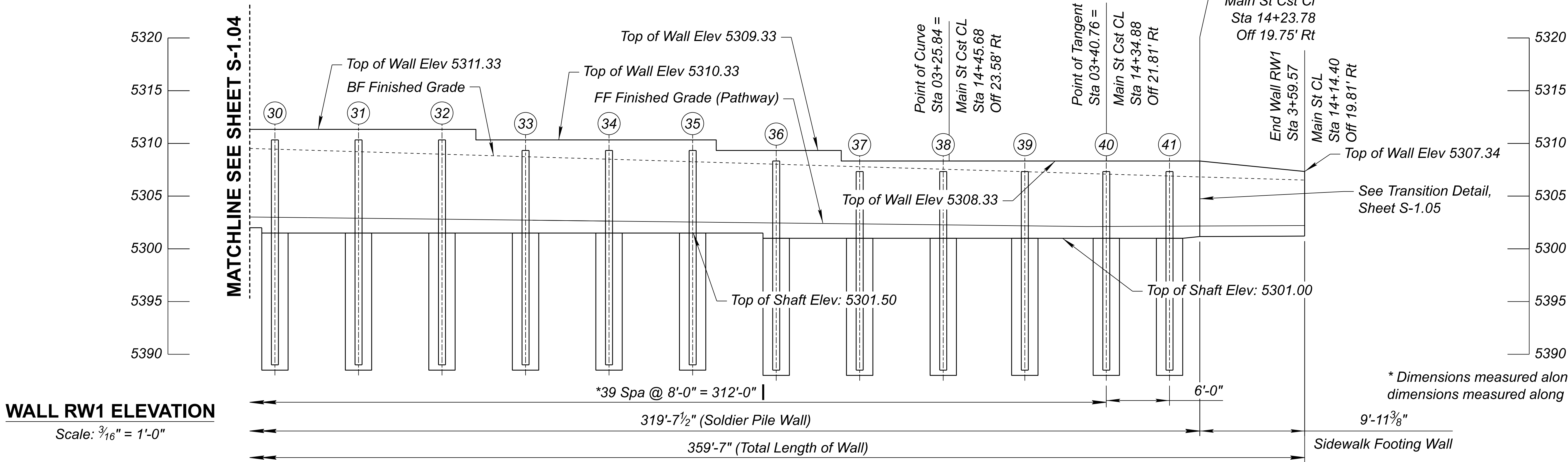
MAIN STREET
RETAINING WALL DETAILS
PLAN & ELEVATION - RW1

ROUTE SR 80	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. 0000 CH BIS	FEDERAL ID NO. BIS-0(207)T	SHEET NO. 42	TOTAL SHEETS 45	RECORD DRAWING
MILEPOST	LOCATION SR 80; QUEEN MINE TOUR - OLD BISBEE					DWG NO. S-1.07	
STRUCTURE NO.	TRACS NO. T0621 01C					OF	



WALL LAYOUT CURVE DATA					
Curve	Δ	D	R	T	L
C3	14°20'49.9"	16°50'24.1"	340.24'	42.82'	85.20'
C4	17°05'29.8"	113°27'26.0"	50.5'	7.59'	15.06'

WALL RW1 PLAN
Scale: $\frac{3}{16}" = 1'-0"$



WALL RW1 ELEVATION
Scale: $\frac{3}{16}" = 1'-0"$

* Dimensions measured along CL Pile. All other dimensions measured along Wall L.O.L.



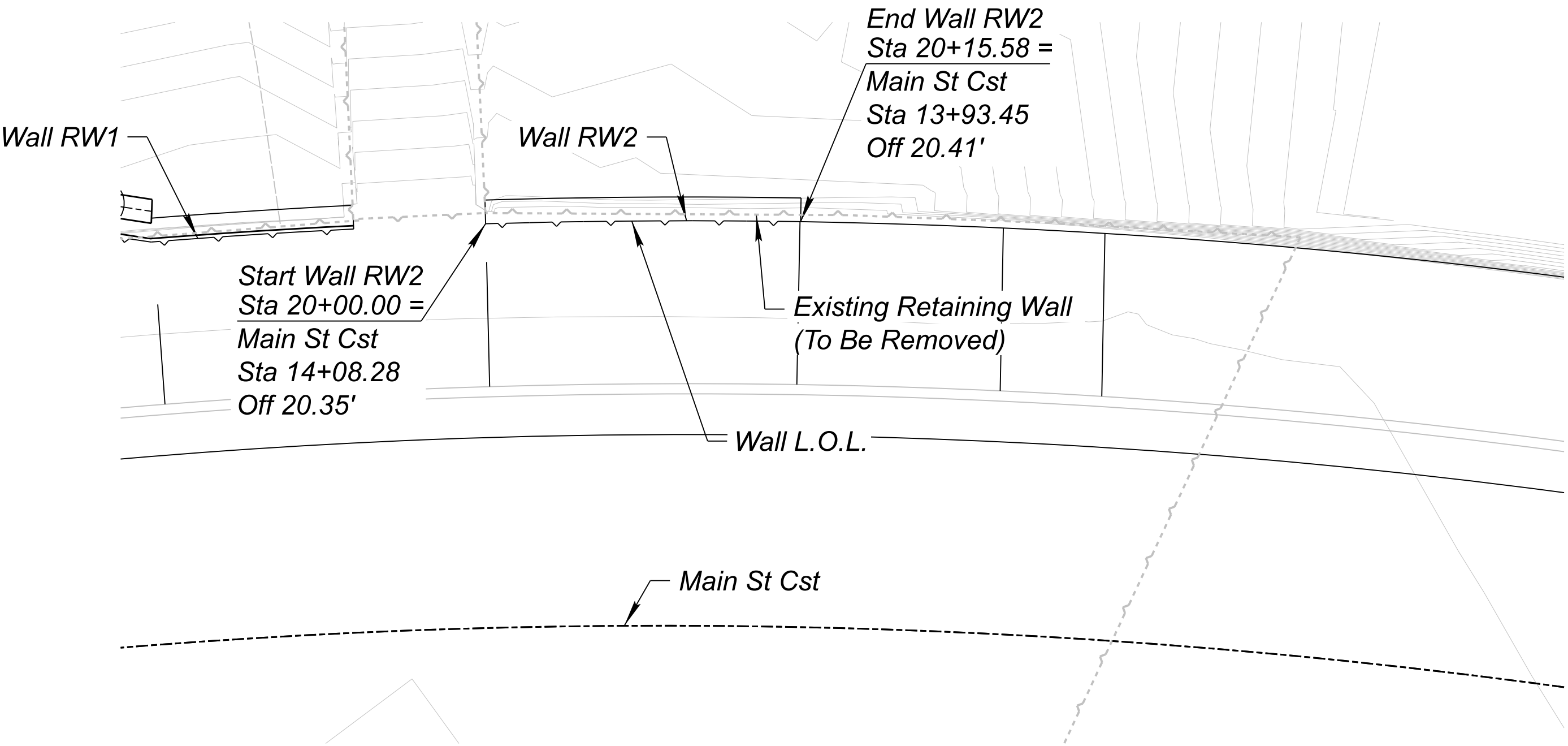
DESIGN	JPR	NAME	DATE
DRAWN	JPR		08/26
CHECKED	NLM		08/26

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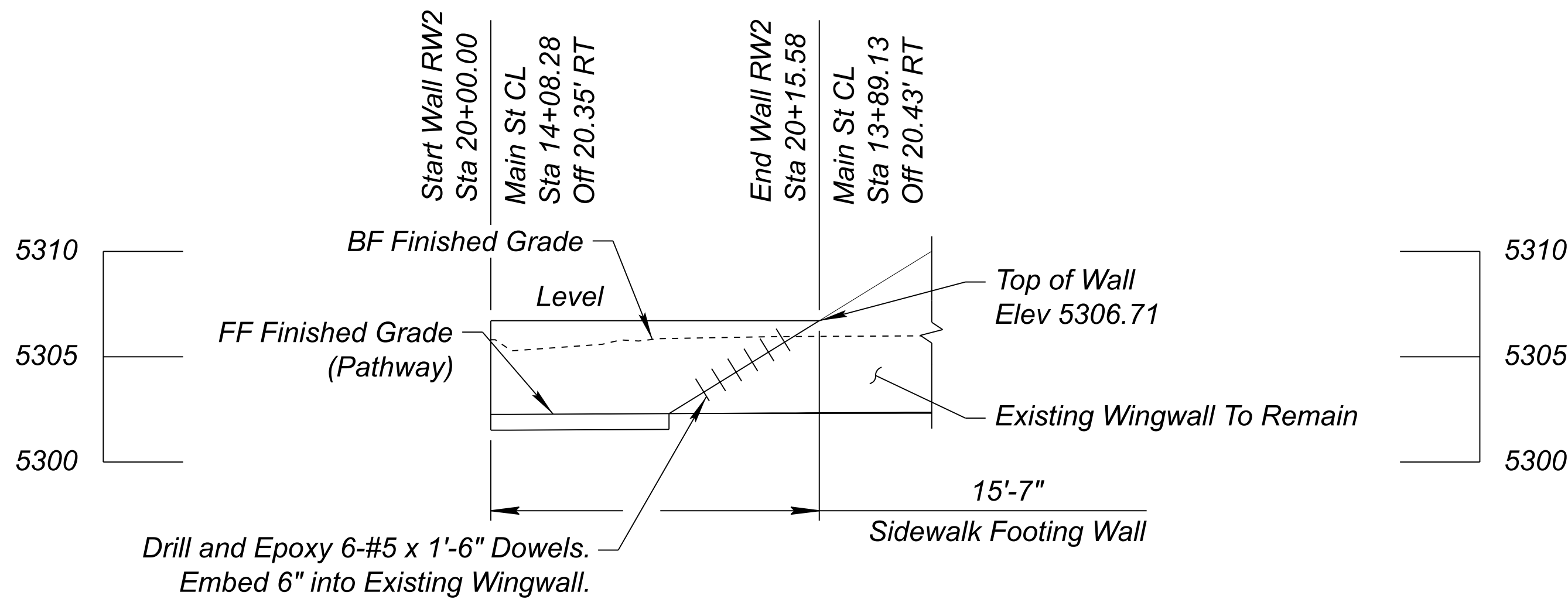
ARIZONA DEPARTMENT OF TRANSPORTATION
PROJECT DELIVERY AND OPERATIONS DIVISION
BRIDGE GROUP

MAIN STREET
RETAINING WALL DETAILS
PLAN & ELEVATION - RW1

ROUTE SR 80	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. 0000 CH BIS	FEDERAL ID NO. BIS-0(207)T	SHEET NO. 44	TOTAL SHEETS 45	RECORD DRAWING
MILEPOST	LOCATION SR 80; QUEEN MINE TOUR - OLD BISBEE						DWG NO. S-1.09
STRUCTURE NO.	TRACS NO. T0621 01C						OF



WALL RW2 PLAN
Scale: 3/16" = 1'-0"



DOWEL NOTE
Drill 7/8" diameter hole 6" deep for #5 dowel. Epoxy dowel in hole with an approved epoxy adhesive. Epoxy anchorage shall develop a tensile pullout strength of 9 kips for #5 dowels.

WALL RW2 ELEVATION
Scale: 3/16" = 1'-0"



	NAME	DATE
DESIGN	JPR	08/26
DRAWN	JPR	08/26
CHECKED	NLM	08/26

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ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION BRIDGE GROUP
MAIN STREET RETAINING WALL DETAILS PLAN & ELEVATION - RW2

ROUTE SR 80	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. 0000 CH BIS	FEDERAL ID NO. BIS-0(207)T	SHEET NO. 45	TOTAL SHEETS 45	RECORD DRAWING
MILEPOST	LOCATION SR 80; QUEEN MINE TOUR - OLD BISBEE					DWG NO. S-1.10	
STRUCTURE NO.	TRACS NO. T0621 01C					___ OF ___	