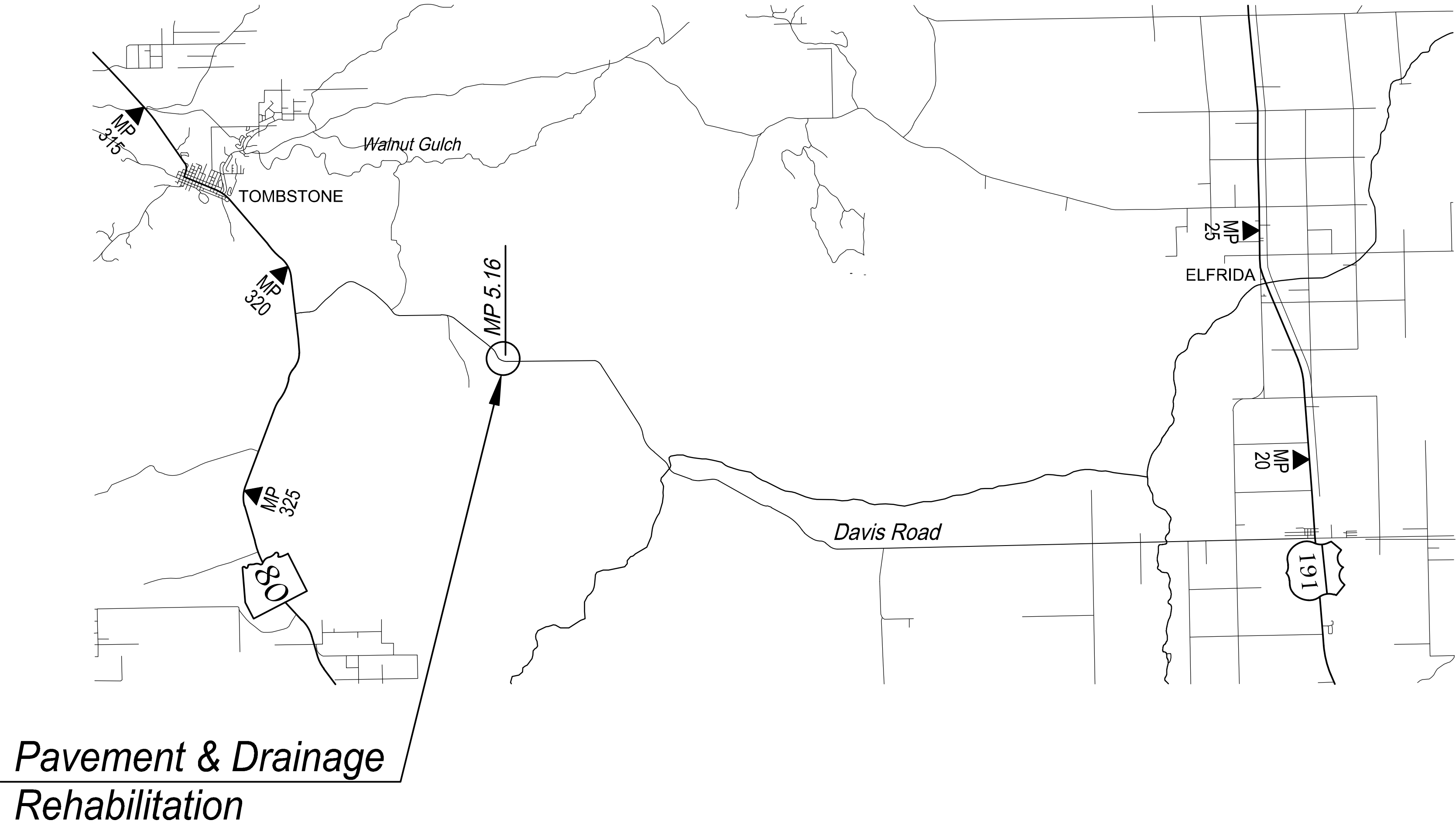
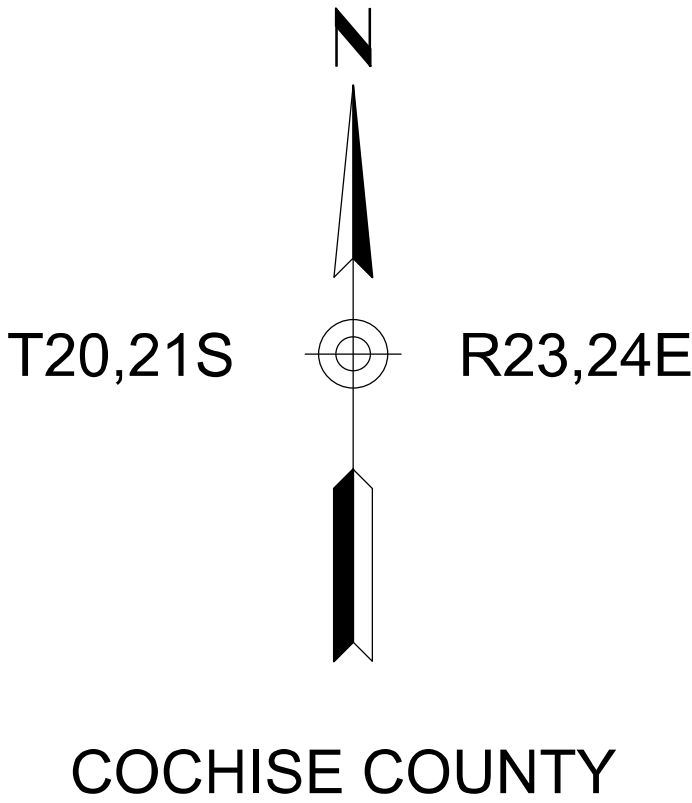
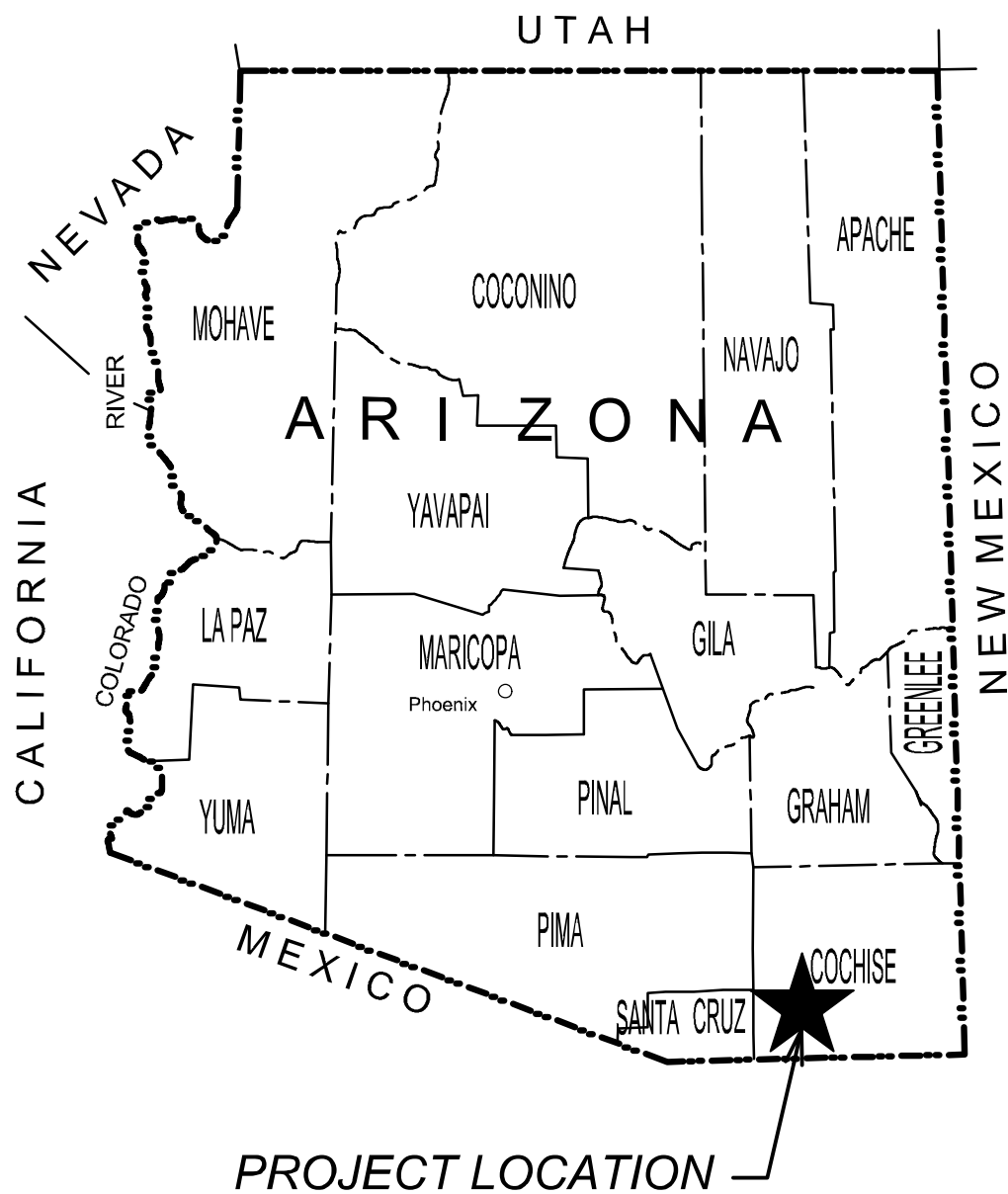


STATE OF ARIZONA
DEPARTMENT OF TRANSPORTATION
PROJECT DELIVERY AND OPERATIONS DIVISION
PROJECT PLANS



RURAL AREA
COCHISE COUNTY



Pavement & Drainage
Rehabilitation

DAVIS ROAD REHABILITATION; MP5
PROJECT NO. 0000 CH CCH T0497 01 C
FEDERAL AID NO. CCH-0(207)T

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

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

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		C. Eggers	08/26/2026
PROJECT NO.			
T0497 01C		1A	OF 39
RECORD DRAWING DATA	FEDERAL ID NO. CCH-0(207)T	REC. DWG. DATE _____	OF _____

ADOT STANDARD DRAWINGS

TRAFFIC SIGNING & MARKING STANDARDS
(SHEET 1 OF 2)
EFFECTIVE MAY 2025

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

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

ADOT STANDARD DRAWINGS REVISION DATES and STANDARD NO.'s REVIEW			
		NAME	DATE
SIGNING & MARKING STANDARDS		C. Eggers	08/26/2026
PROJECT NO.			
T0497 01C		1B-1	OF 39
RECORD DRAWING DATA	FEDERAL ID NO. CCH-0(207)T	REC. DWG. DATE _____	OF _____

ADOT STANDARD DRAWINGS

TRAFFIC SIGNING & MARKING STANDARDS
(SHEET 2 OF 2)
EFFECTIVE MAY 2025

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

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

ADOT STANDARD DRAWINGS REVISION DATES and STANDARD NO.'s REVIEW			
		NAME	DATE
SIGNING & MARKING STANDARDS		C. Eggers	08/26/2026
PROJECT NO.			
T0497 01C			1B-2 OF 39
RECORD DRAWING DATA	FEDERAL ID NO. CCH-0(207)T	REC. DWG. DATE _____	OF _____

ADOT STANDARD DRAWINGS

STRUCTURE DETAIL DRAWINGS
EFFECTIVE NOVEMBER 2024

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

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

ADOT STANDARD DRAWINGS REVISION DATES and STANDARD NO.'s REVIEW				
STRUCTURES STANDARDS		NAME C. Eggers	DATE 08/26/2026	
PROJECT NO. T0497 01C			1D	OF 39
RECORD DRAWING DATA	FEDERAL ID NO. CCH-0(207)T	REC. DWG. DATE	OF	

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

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

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

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

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

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

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

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

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

The contractor shall avoid nests with relocation directions.

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

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

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

BIO-3: Burrowing Owls ☒ N/A

BIO-4: Bats ☒ N/A

BIO-5: Sonoran Desert Tortoise ☒ No ☐ Yes

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

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

☒ Noxious Species Control Plan (NSCP) required

6. **CULTURAL RESOURCES PROGRAM**

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

7. **HAZARDOUS MATERIALS PROGRAM**

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

☐ No Hazardous Materials Program Action Required

Is Asbestos present? ☒ No ☐ Yes

Is a NESHAP notice required? ☐ No ☒ Yes

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

Is Lead-based paint present? ☒ No ☐ Yes

8. **NOISE PROGRAM**

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

9. **AIR QUALITY PROGRAM**

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

10. **OTHER ENVIRONMENTAL ISSUES**

Project Specific Environmental Commitments: ☐ N/A

- The contractor shall complete a National Standards for Hazardous Air Pollutants (NESHAP) notification for the work associated with load-bearing drainage structures and submit to the Engineer, who shall submit it to the Arizona Department of Transportation environmental planning hazardous material coordinator (602.920.3882 or 602.712.7767) for a five (5) working day review and approval. Upon approval, the contractor shall file the notification with the Arizona Department of Environmental Quality (ADEQ) at least ten (10) working days prior to the commencement of load-bearing culvert removal.
- For milling activities, the roadway surface preceding the milling machine shall be kept sufficiently wet to prevent the generation of any visible fugitive dust particles, but not so wet as to cause excess runoff from the roadway surface onto the roadway shoulder.

Arizona Department of Transportation Environmental Planning Standard Template			
Environmental, Permits, Issues, And Commitments (EPIC) Sheet			
Environmental Planner Name	Sarah Karasz	R.E. Name	
Environmental Planning Date of Completion	8/18/2026	R.E. Signature	
FEDERAL ID NO.	CCH-012071T		
PROJECT NO.	0000 CH CCH T0497 01C		
REC DWG DATE:		With the above signature, the R.E. attests that all EPIC work for this project has been satisfactorily completed.	
		_____ OF _____	Sheet 1F

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MIDPOINT OF PROJECT
Eastern Zone
State Plane Coordinates

Davis Rd X= 764597(')
 Y= 239356(')

DESIGN DATA

2010 AADT = 1615 vpd
2030 AADT = 2322 vpd
Design Speed = 65 MPH
Design Speed = 30 MPH
for Detour

LENGTH OF PROJECT

Davis Rd: Sta 249+07.30 to Sta 290+56.43 = 4,149.13 ft
 MP 4.70 to MP 5.49 = 0.79 Miles
TOTAL PROJECT LENGTH = 4,149.13 ft = 0.79 Miles

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEET	AS BUILT
9	AZ	CCH-0(207)T	2	39	
0000 CH CCH					

GENERAL NOTES

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

R/W Markers shall be furnished and placed by the contractor, as directed by the Engineer. Std MAG Detail 120-1.

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

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.

The average project elevation is 4624'.

New Right of Way and easements are not required.

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

For R/W information see Cochise County Right-of-Way records on file in the office of the County Engineer.

EARTHWORK QUANTITIES

(MP 5)	
Roadway Excavation	1,845 CY
Roadway Excavation - Shrink	185 CY
Roadway Excavation (Detour)	590 CY
Roadway Excavation (Detour) - Shrink	59 CY
Drainage Excavation	870 CY
Drainage Excavation - Shrink	87 CY
Structural Excavation	1,921 CY
Structural Excavation - Shrink	192 CY
Structural Backfill	1,862 CY
Pipe Backfill	12 CY
Roadway Embankment	26,537 CY
Detour Embankment	1,008 CY
Borrow	22,854 CY

EARTHWORK FACTORS

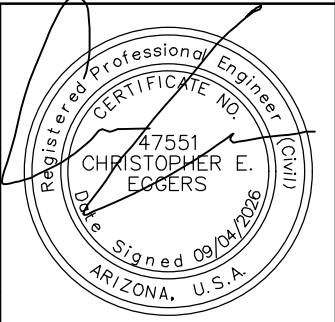
Station	Shrink/Swell	Ground Compaction
252+07 to 287+24	10% Shrink	0.10'

INDEX OF SHEETS

Sheet No.	Sheet Type
1	Face Sheet
1A, 1B, 1D	ADOT Standard Drawings
1F	EPIC Sheet
2-4	Design Sheets
5	Barrier Summary Sheet
6-7	New Pipe/Concrete Culvert Summary Sheet
8-11	Detail Sheets
12-16	Culvert Detail Sheets
17	Geometric & Survey Control Sheet
18-19	MP 5 Roadway Plan & Profile Sheets
20-21	MP 5 Detour Plan & Profile Sheets
22-26	Pavement Marking & Signing Sheets
27-30	Traffic Control Sheets
31-34	Erosion Control Plans
35-39	Foundation Data Sheets

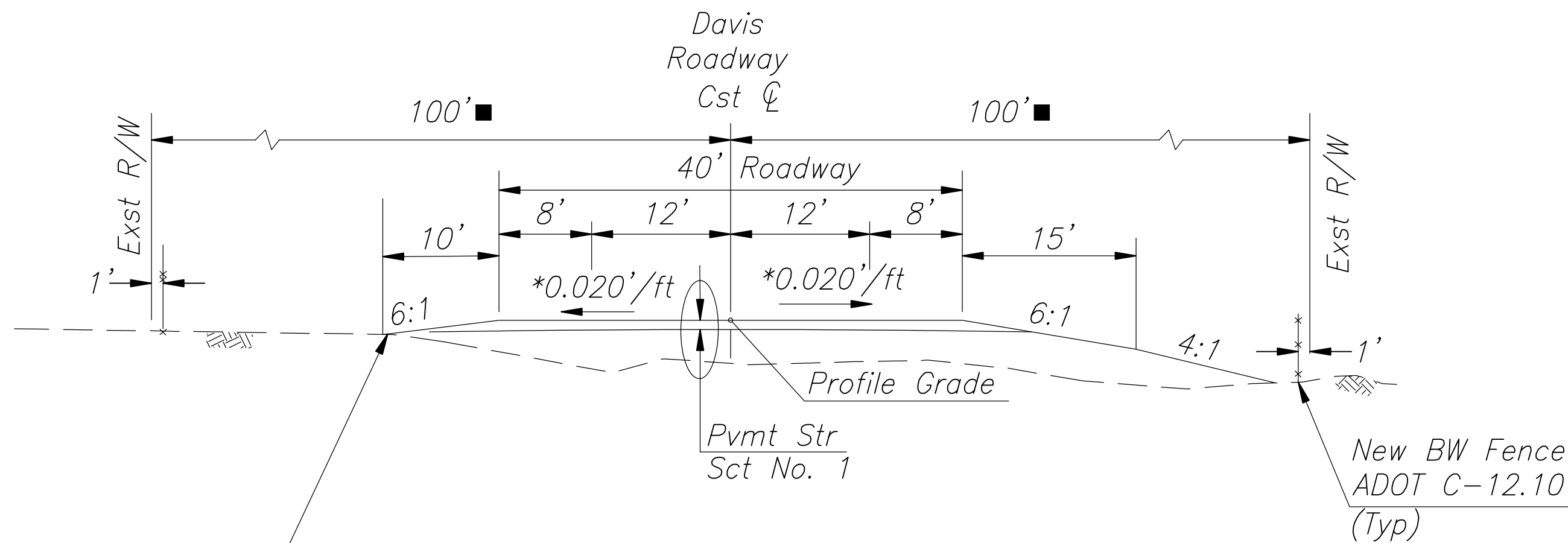
DUMPED RIP-RAP QUANTITY TABLE

Location	Quantity (CU.YD.)
MP 5	135

	NAME	DATE	COCHISE COUNTY	
DESIGN	TL	9/26		
DRAWN	TL	9/26		
CHECKED	CE	9/26	DESIGN SHEET	
 Stantec 3133 W. Frye Road, Ste. 300 Chandler, AZ 85226 PH: (480) 587-6100 FAX: (602) 431-9962 www.stantec.com				
ROUTE	LOCATION		DAVIS ROAD; MP5	SHEET 1 OF 3
N/A				
TRACS NO. T0497 01C				__ OF __

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEET	AS BUILT
9	AZ	CCH-0(207)T	3	39	

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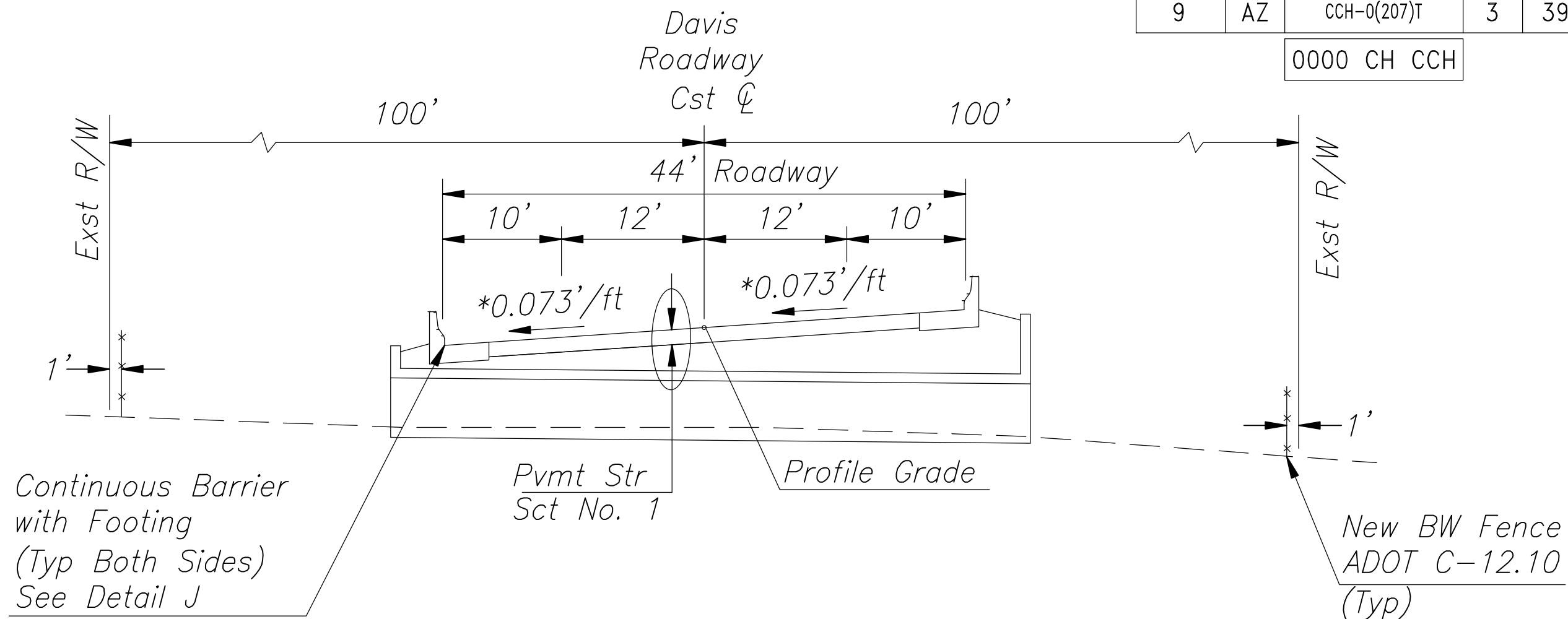
Std C-02.20
(Typ)

TYPICAL SECTION

Sta 252+00.97 to 263+00.00
Sta 282+00.00 to 286+48.53

* See Plan & Profile
Sheets for Roadway
Superelevation Limits

■ Right of Way widths
Varies between station 252+00.97 to 286+48.53

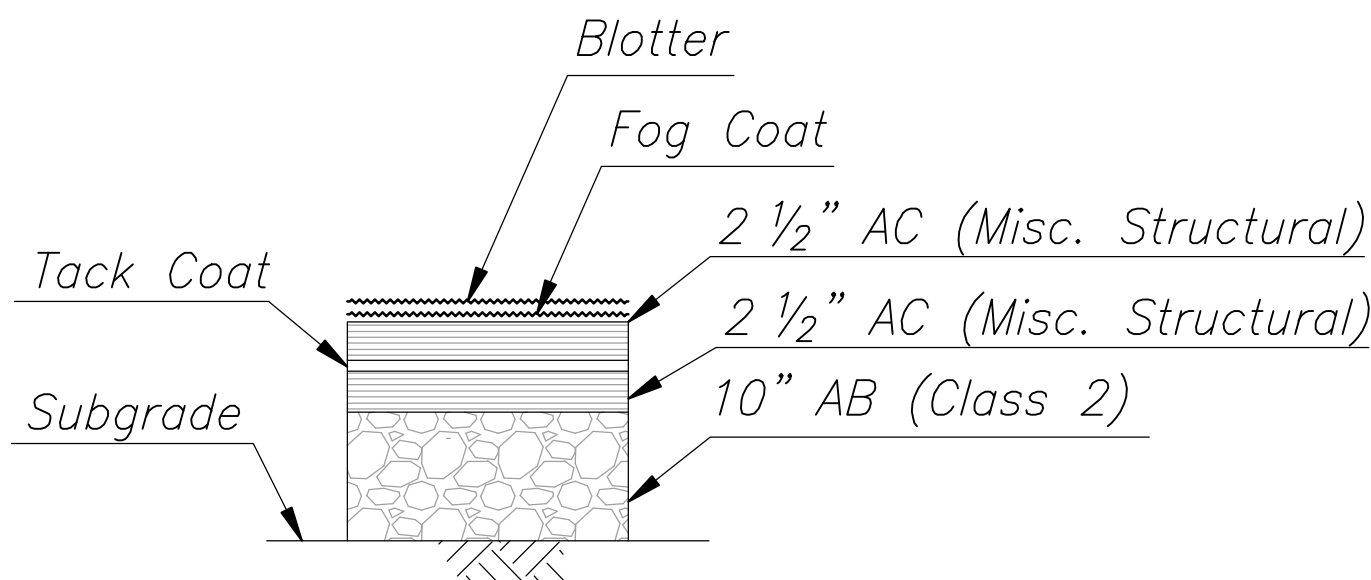


TYPICAL SECTION

Sta 272+83.00 to 273+19.00

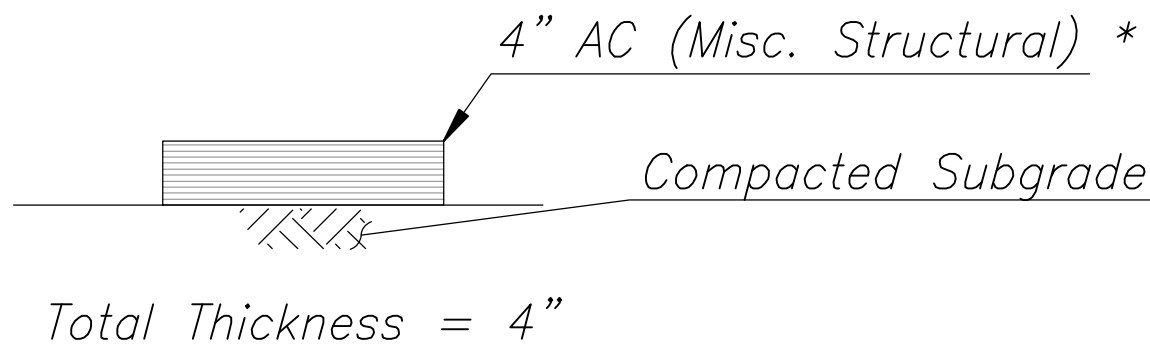
* See Plan & Profile
Sheets for Roadway
Superelevation Limits

■ Right of Way widths
vary station 266+00.00 to 282+00.00



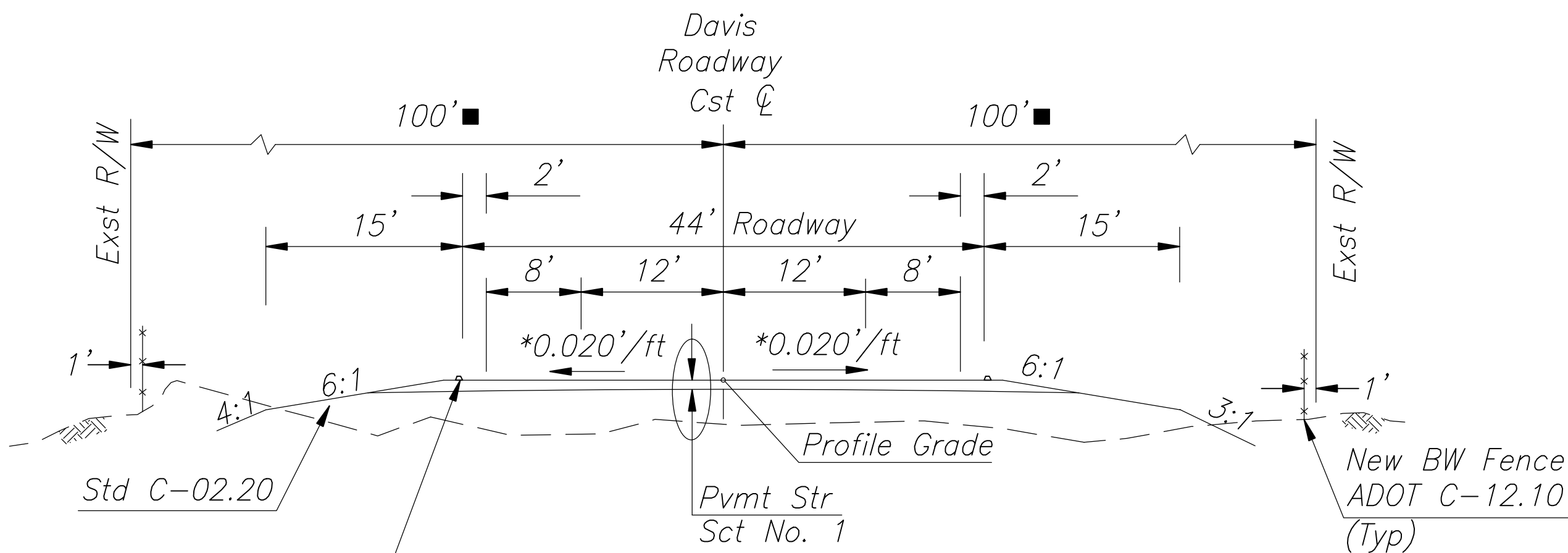
Total Thickness = 15"

SECTION NO. 1 (Davis Road)



SECTION NO. 2 (Detour)

* Temporary pavement for detour road,
to be removed after construction.



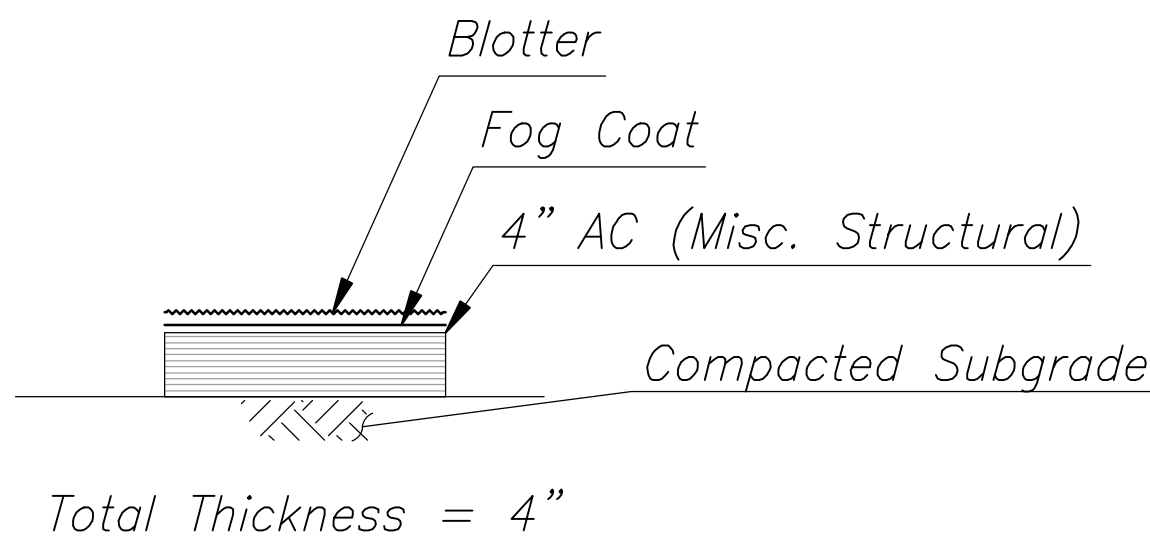
Embankment Curb
ADOT C-05.10 (Typ.)

TYPICAL SECTION

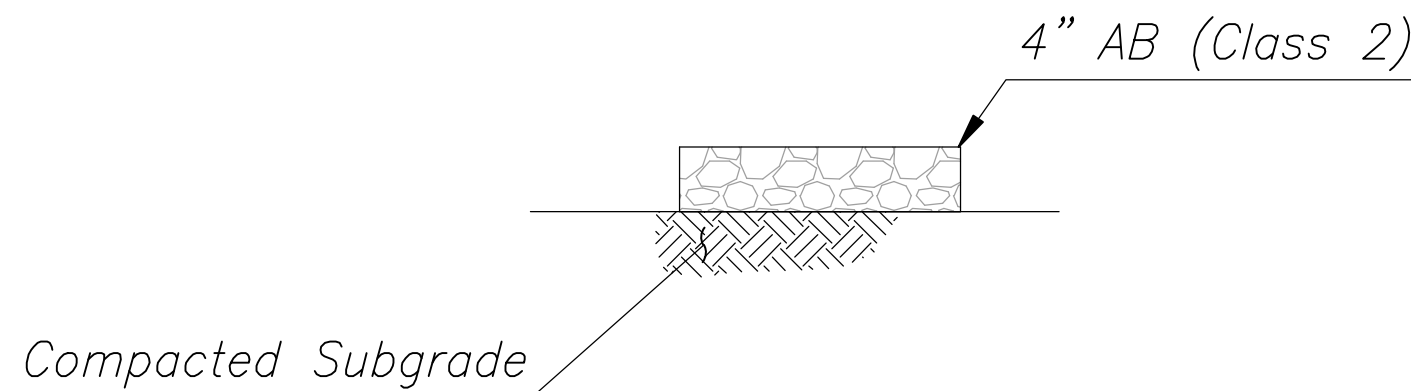
Sta 263+00.00 to 268+00.00

* See Plan & Profile
Sheets for Roadway
Superelevation Limits

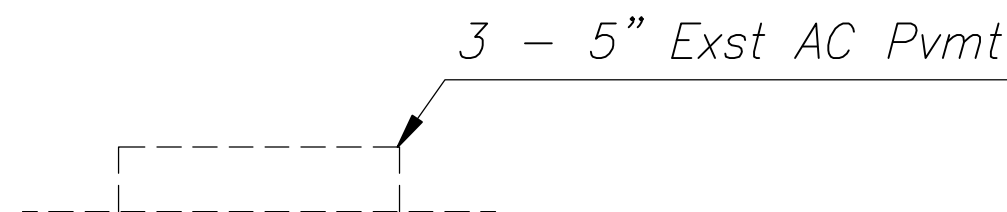
■ Right of Way widths
Varies between station 263+00.00 to 268+00.00



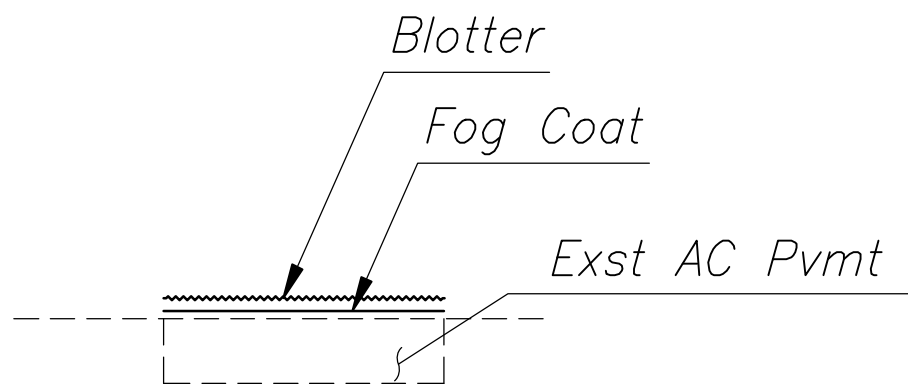
SECTION NO. 3 (Asphaltic Concrete Turnout)



SECTION NO. 4 (Aggregate Base Turn Out)

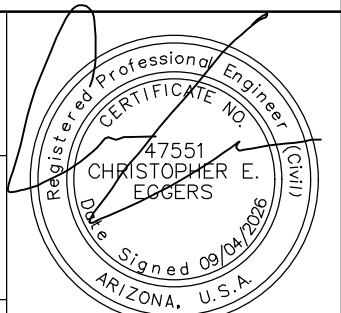


SECTION NO. 6 (Existing Pavement)



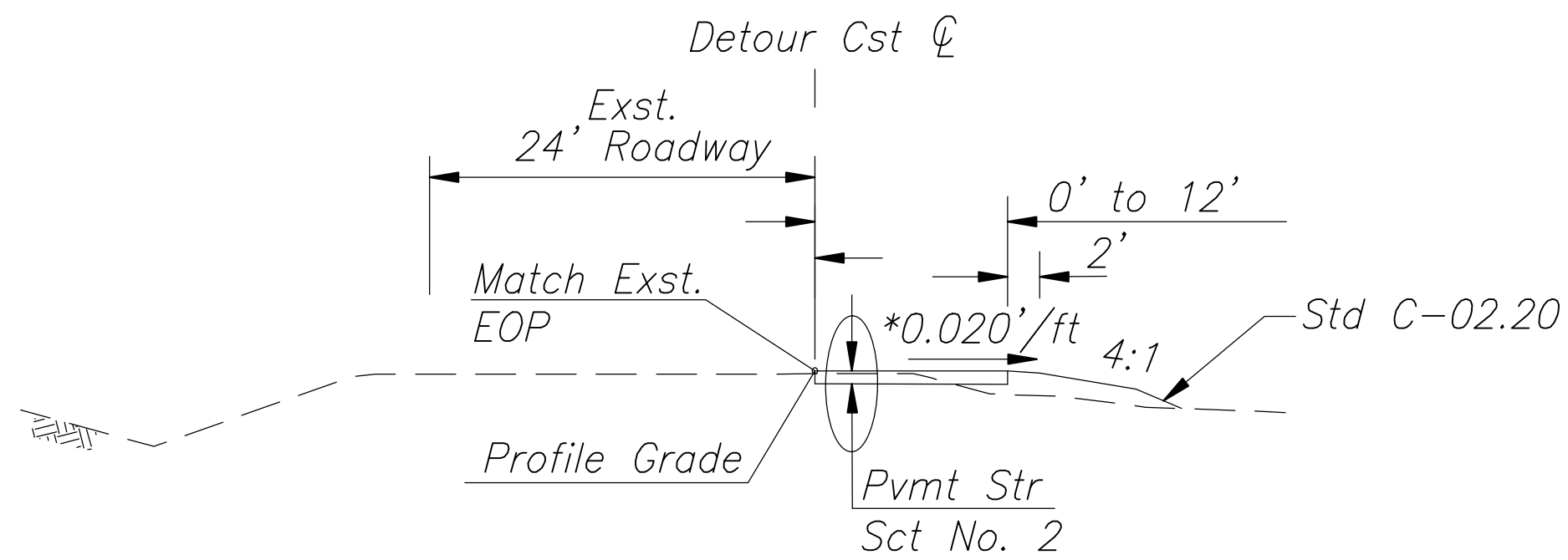
SECTION NO. 5 (Fog Coat)

DESIGN	NAME	DATE	COCHISE COUNTY
DRAWN	TL	9/26	
CHECKED	CE	9/26	
			DESIGN SHEET
ROUTE	LOCATION	DAVIS ROAD; MP5	
N/A			
TRACS NO. T0497 01C			SHEET 2 OF 3



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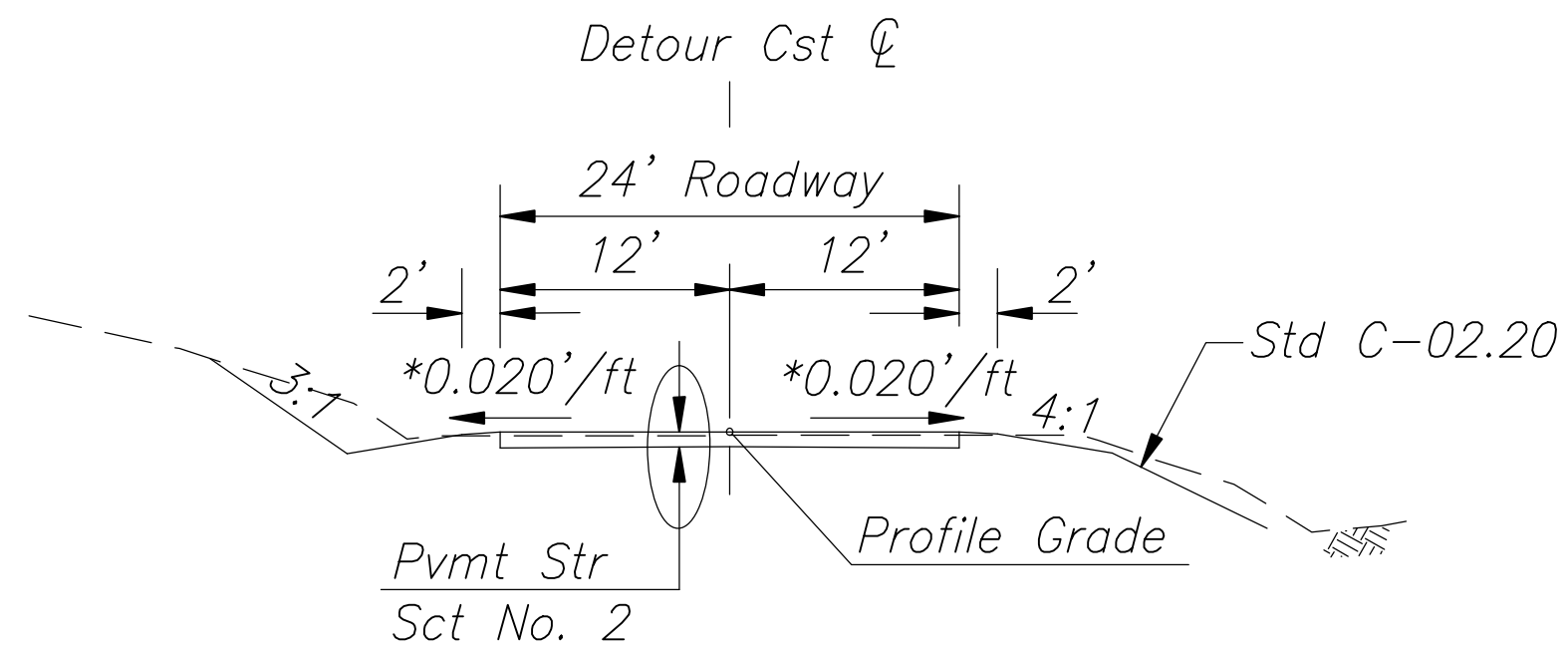
SURVEY NO.	FINISHED PLANS	DATE	REVISIONS	LOCATION	DATE



* Match existing adjacent pavement slope

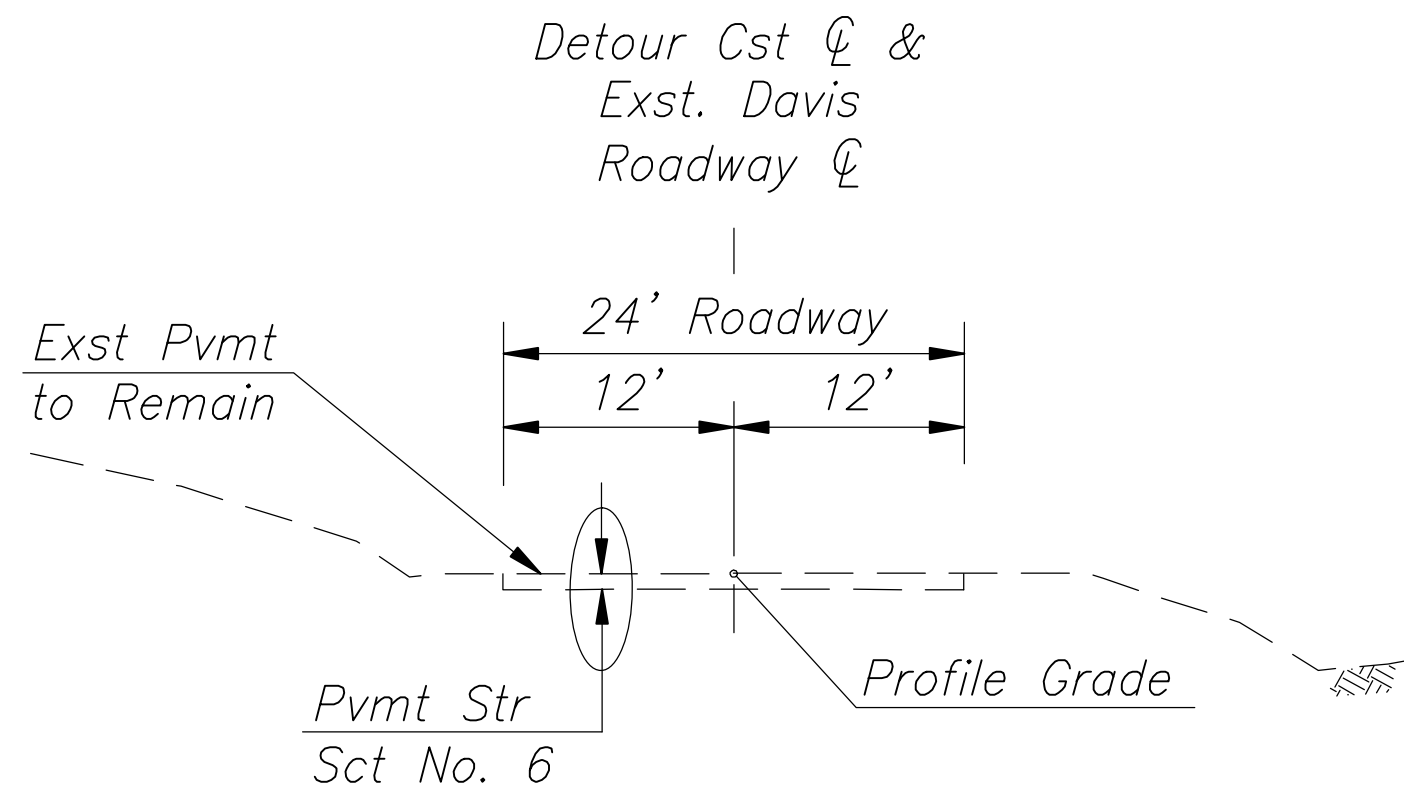
TYPICAL SECTION (DETOUR)

Sta 11+00.0 to 14+84.5
Sta 54+63.0 to 58+11.2



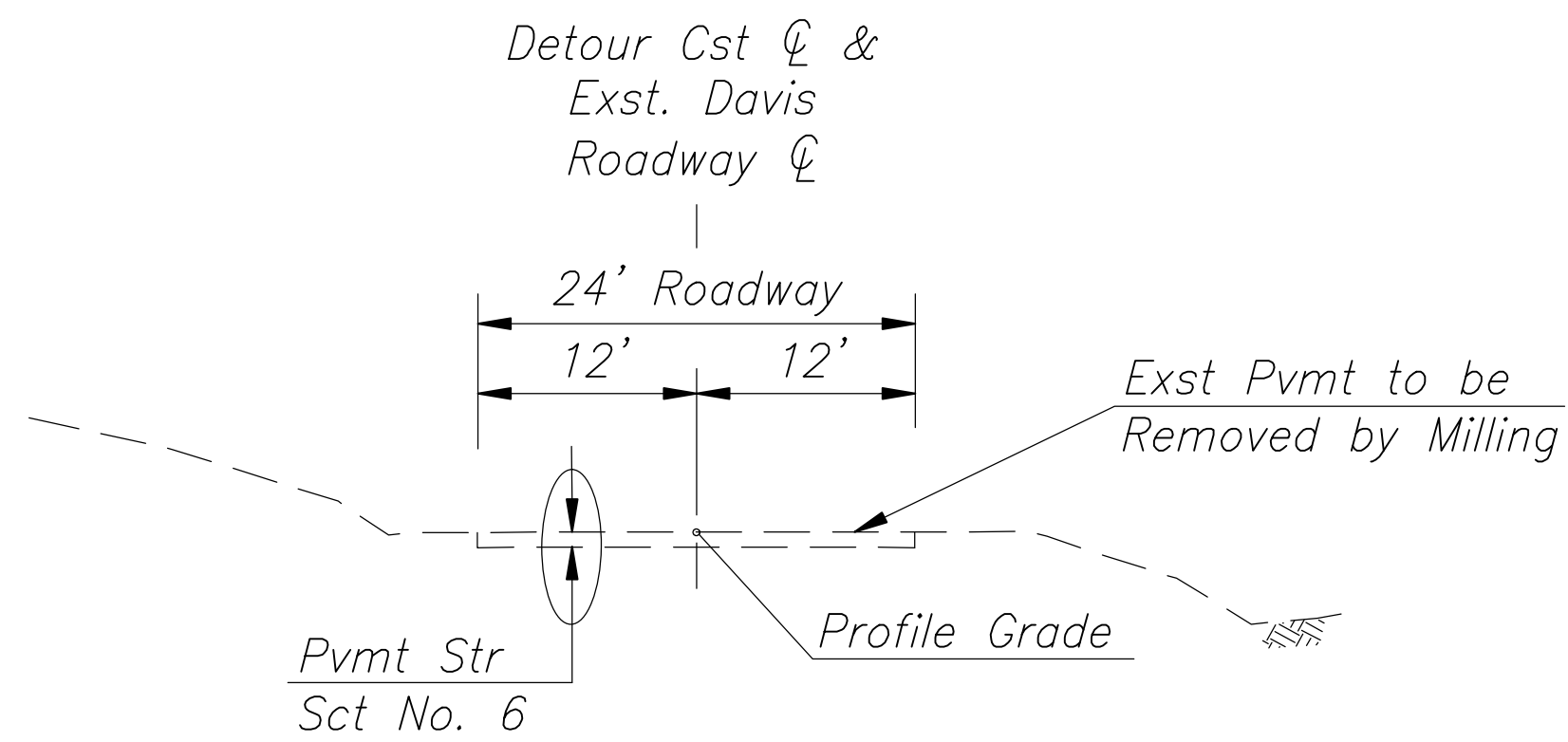
TYPICAL SECTION (DETOUR)

Sta 14+84.5 to 32+27.8
Sta 42+32.4 to 54+63.0



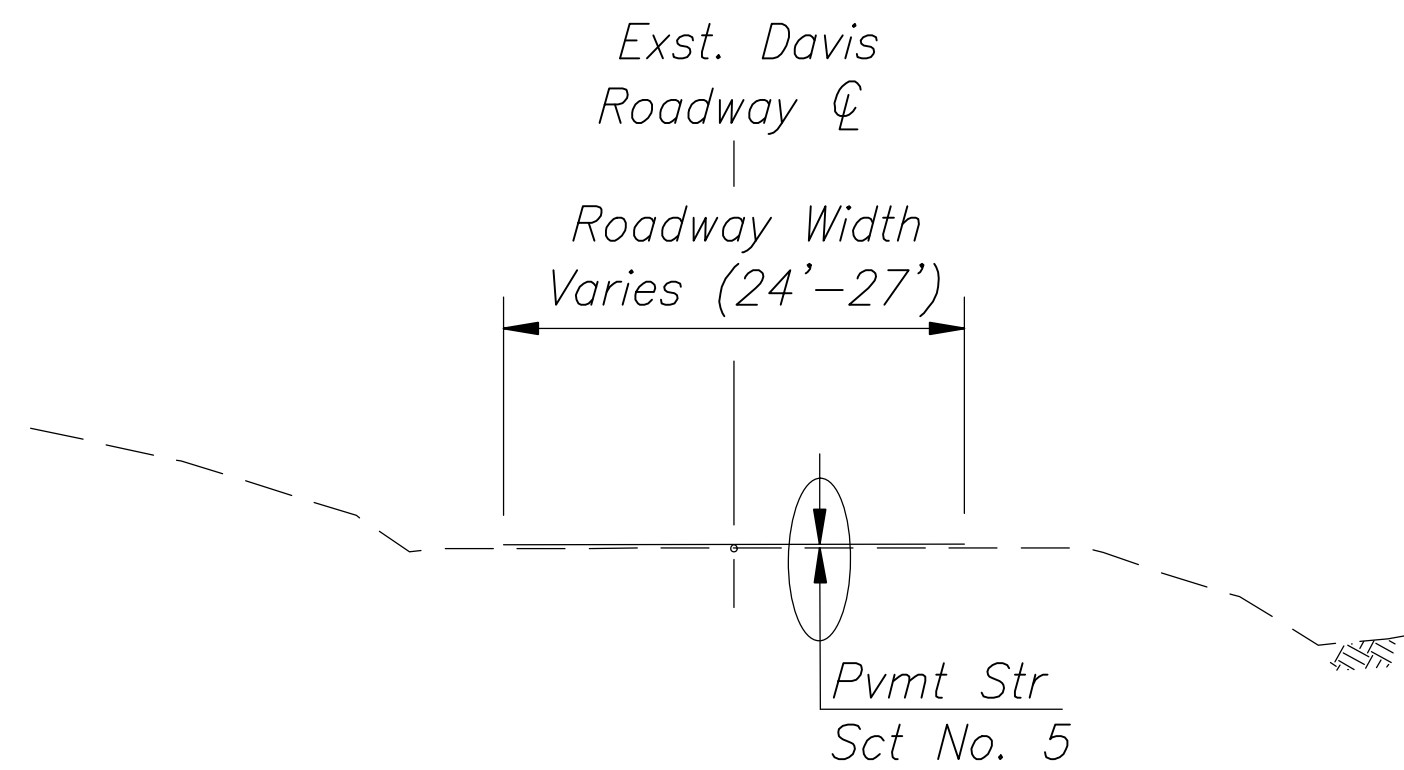
TYPICAL SECTION (DETOUR)

Sta 32+27.8 to 42+44.3



TYPICAL SECTION (DETOUR)

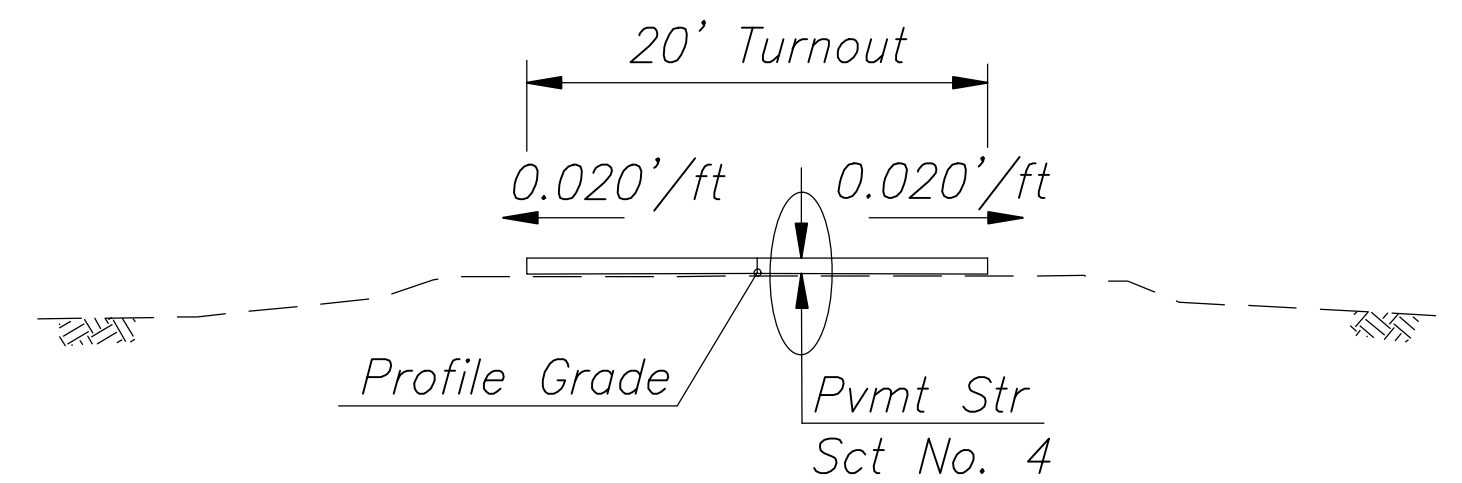
Sta 16+55.0 to 32+27.8
Sta 42+44.3 to 52+08.5



TYPICAL SECTION (FOG COAT)

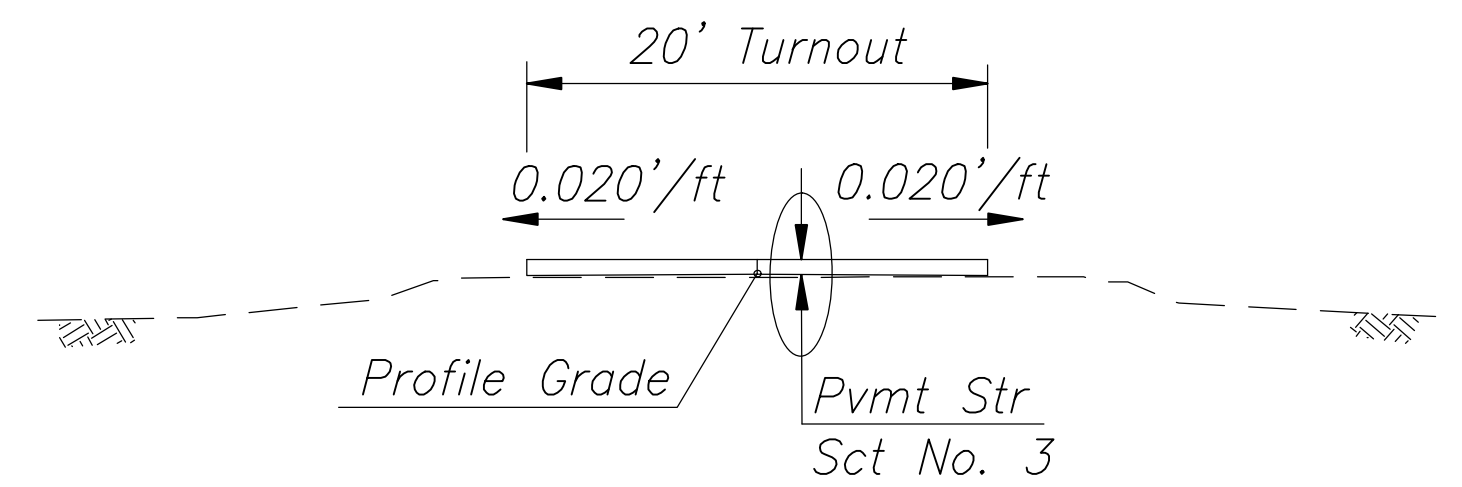
Sta 249+07.30 to 252+00.97
Sta 286+48.53 to 290+56.43

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEET	AS BUILT
9	AZ	CCH-0(207)T	4	39	
0000 CH CCH					



TYPICAL SECTION (AB TURNOUT)

Sta 258+06 55' LT to 59.7' LT
Sta 258+89 55' RT to 100' RT
Sta 277+83 53' LT to 66' LT



TYPICAL SECTION (AC TURNOUT)

Sta 258+06 20' LT to 55' LT
Sta 258+89 20' RT to 55' RT
Sta 277+83 20' LT to 53' LT
Sta 680+37 11.2' RT to 48' RT

		NAME	DATE	COCHISE COUNTY		
DESIGN		TL	9/26			
DRAWN		TL	9/26	DESIGN SHEET		
CHECKED		CE	9/26	DAVIS ROAD; MP5		
		3155 W. Frye Road, St. 300 Chandler, AZ 85226 Ph: (480) 851-4100 Fax: (602) 431-9562 www.stantec.com				
ROUTE N/A		LOCATION				SHEET 3 OF 3
TRACS NO. T0497 01C						OF

SHEET 3 OF 3

OF

0000	CH	CCH
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▲ Construction CL Looking Ahead

		NAME		DATE		COCHISE COUNTY			
DESIGN		TL		9/26					
DRAWN		TL		9/26					
CHECKED		CE		9/26					
 Stantec 3133 N. Fwy Road, St. 300 Chandler, AZ 85226 Phone: (480) 431-6666 Fax: (480) 431-6662 www.stantec.com		ARCH CULVERT AND NEW PIPE CULVERT SUMMARY SHEET							
ROUTE N/A		LOCATION DAVIS ROAD; MP5				SHEET 1 OF 2			
TRACS NO. T0497 01C								OF	

Registered Professional Engineer
 CERTIFICATE NO. 47551
 CHRISTOPHER E. EGGERS
 Signed 09/07/2008
 ARIZONA, U.S.A.

1. No separate payment will be made for this work. The cost shall be considered incidental to the placement of AC (Miscellaneous Structural) Pvmnt.



1. *Cut-off Wall shall be Class B concrete.*
2. *Trench construction shall be performed utilizing Excavation Bucket, or similar.*
3. *Payment for the 3' Concrete Cut-Off Wall will be per bid item 9080502.*



Reshape and Regrade Surface to Match Surrounding Terrain & Apply Type II Seeding

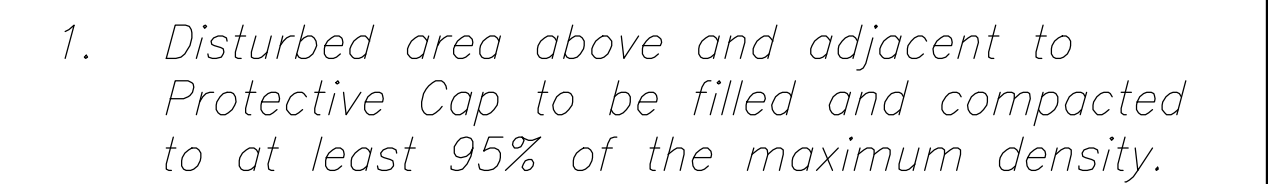
1. Millings from the removal of the existing Davis Rd pavement shall be salvaged and used as new aggregate base material for proposed Davis Rd pavement. See Section 303 of the Project Specifications. (Item 2020087).

3. Davis Road Detour pavement shall be removed after the construction of permanent Davis Road pavement (Item 2020029).

4. Reshape and Regrade detour roadway prism at or near the original surface prior to construction. (Item 2040001).

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DETAIL 
EXST DAVIS ROAD/DETOUR
PAVEMENT DETAIL



2. See Detail G for Fiber Optic Protective Cap Detail.

DETAIL 

FIBER OPTIC PROTECTIVE
CAP LOCATION DETAIL

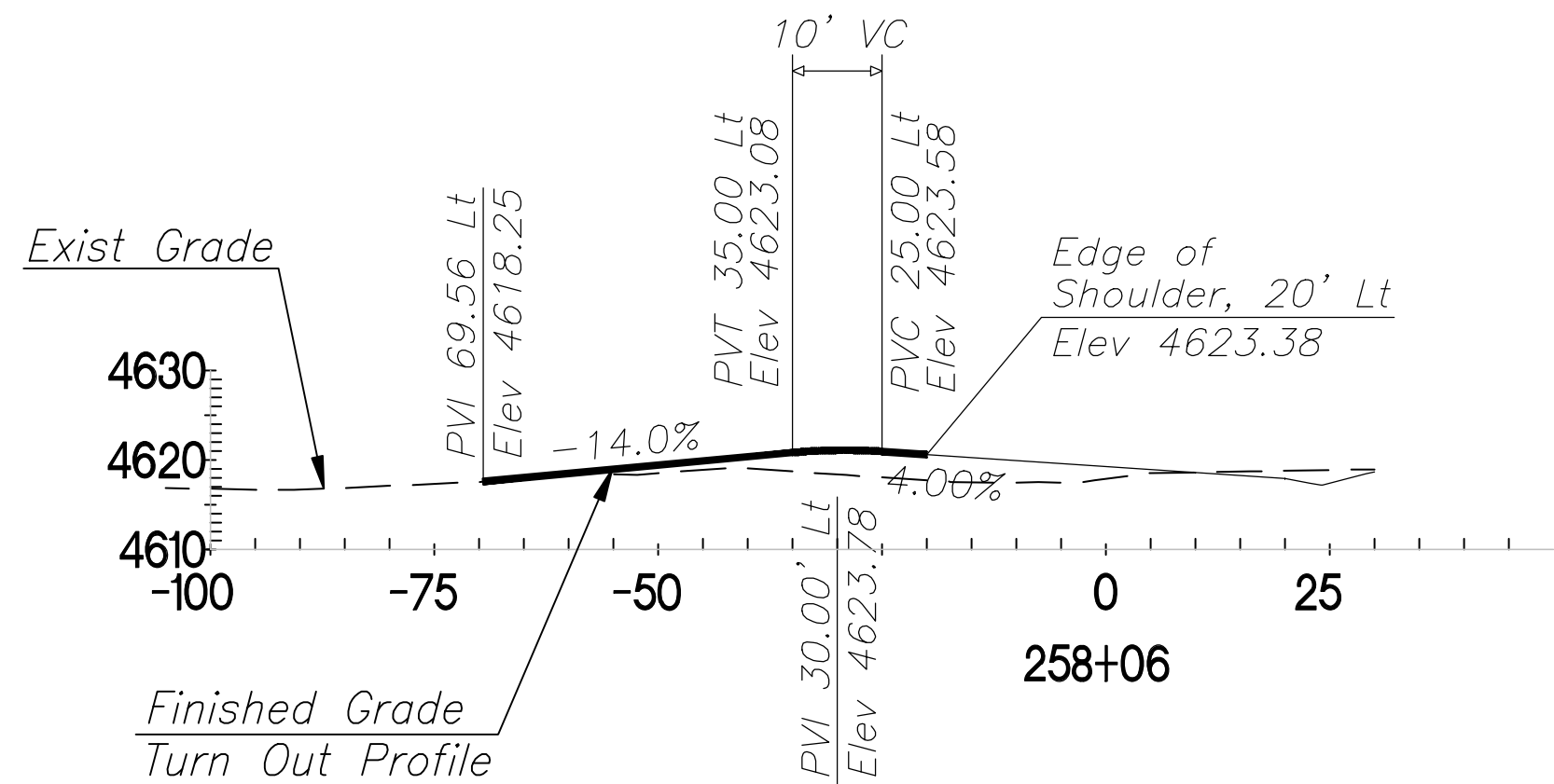
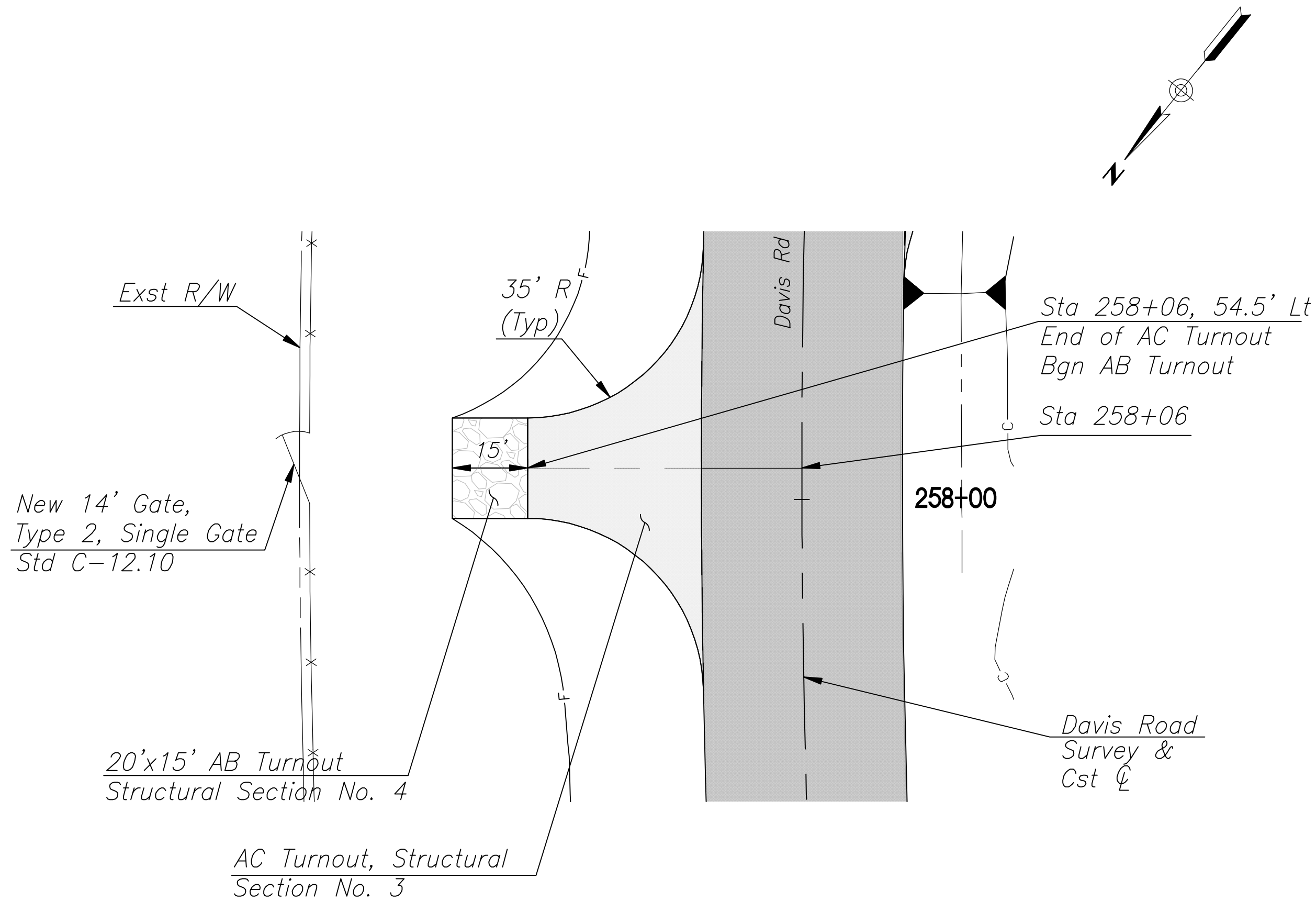
Pothole #	Sta/Off	Top of Pipe Elev.
3	Sta 273+58.8, 128.0' Rt	4601.26
4	Sta 274+31.9, 121.2' Rt	4600.80

		NAME	DATE	COCHISE COUNTY		
DESIGN		TL	9/26	DETAIL SHEET		
DRAWN		TL	9/26			
CHECKED		CE	9/26			
		3133 W. Eye Road, Ste. 300 Chandler, AZ 85226 PH: (480) 687-0100 FAX: (480) 451-9562 www.stantec.com				
ROUTE		LOCATION		DAVIS ROAD; MP5		SHEET 1 OF 4
N/A						OF
TRACS NO. T0497 01C						

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REVISIONS--	LOCATION--	DATE--	FINISHED PLANS--	SURVEY NO.	REVISIONS--	LOCATION--	DATE--	FINISHED PLANS--	SURVEY NO.



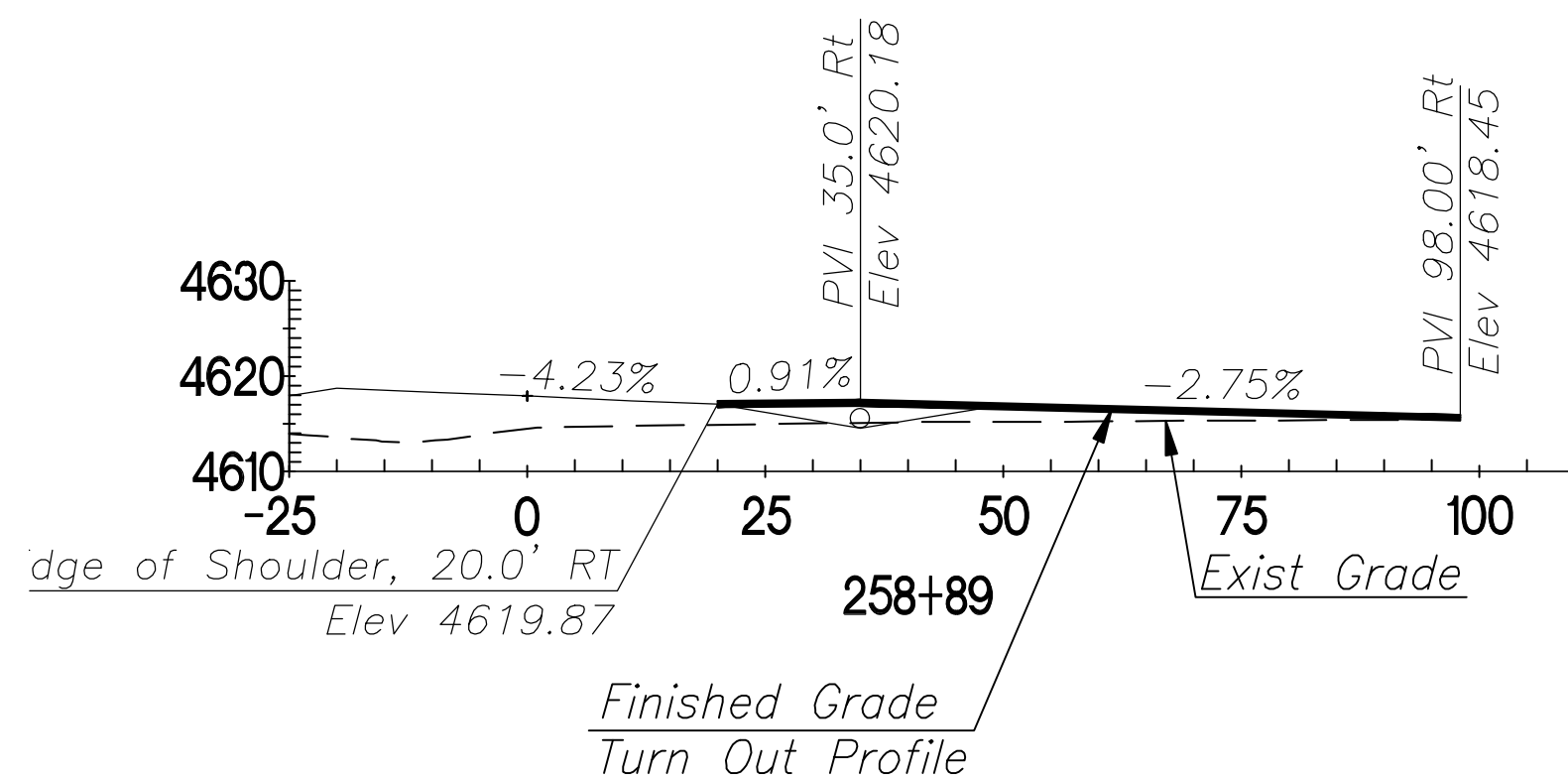
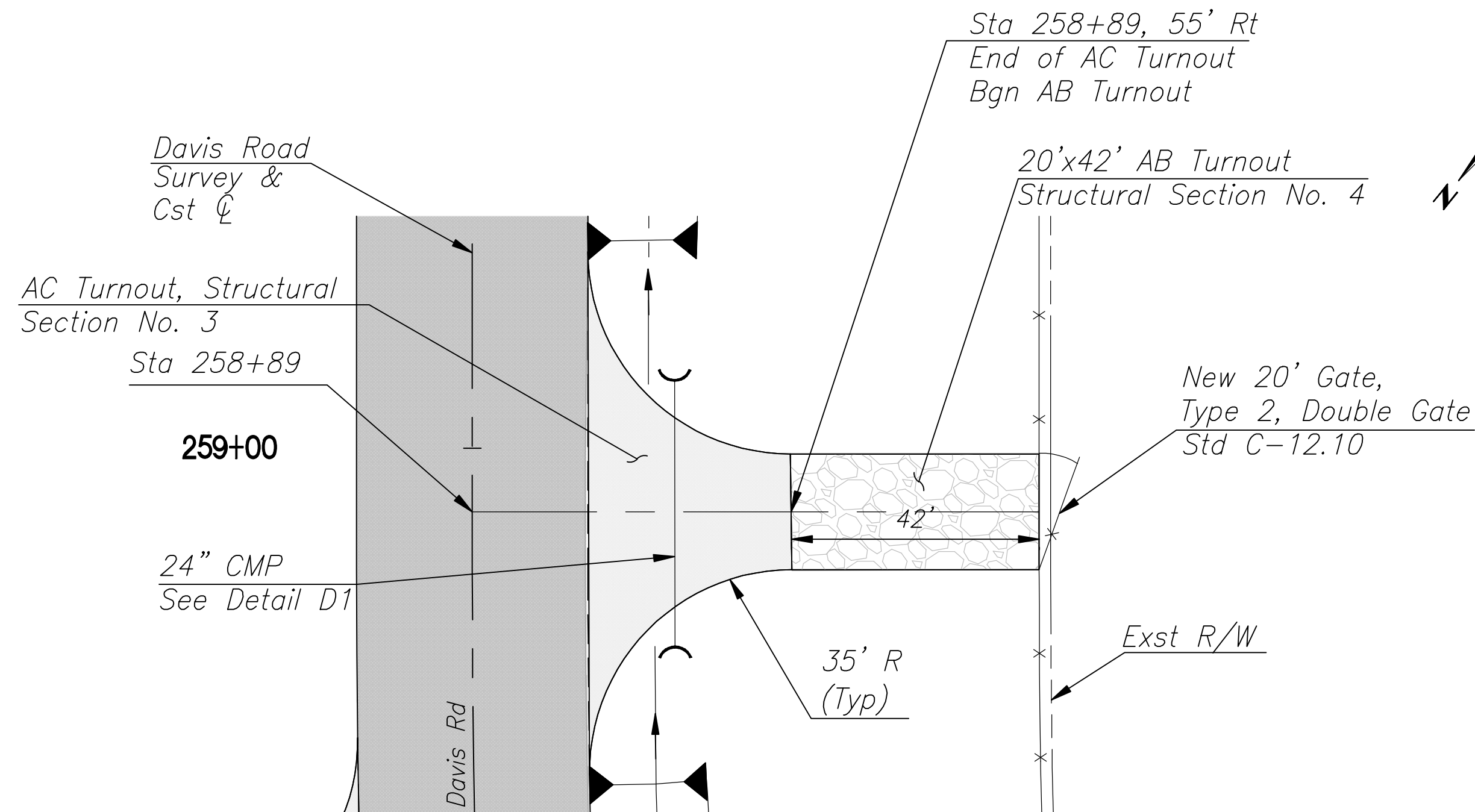
STA. 258+06 LT
TURNOUT

Legend

- Roadway AC Pavement, See PSS #1
- Turnout AC Pavement, See PSS #3
- Turnout AB Pavement, See PSS #4

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEET	AS BUILT
9	AZ	CCH-0(207)T	9	39	

0000 CH CCH



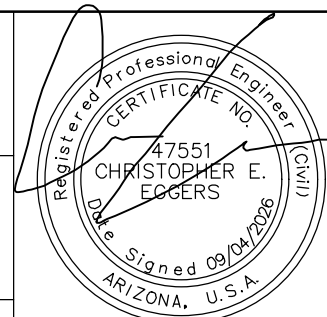
STA. 258+89 RT
TURNOUT

DETAIL E

TURNOUT DETAILS

SHEET 1 OF 2

DESIGN	NAME	DATE	COCHISE COUNTY
DRAWN	TL	9/26	
CHECKED	CE	9/26	
ROUTE	LOCATION		DETAIL SHEET
N/A	DAVIS ROAD; MP5		
TRACS NO. T0497 01C			SHEET 2 OF 4

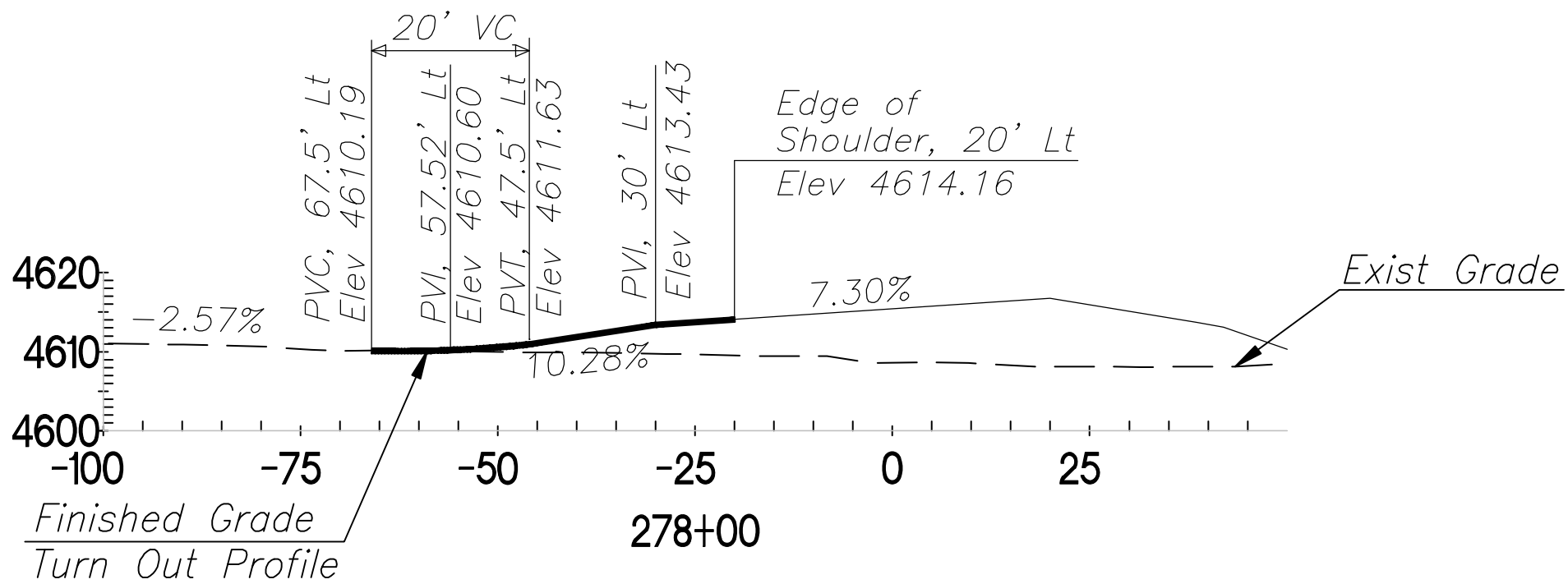
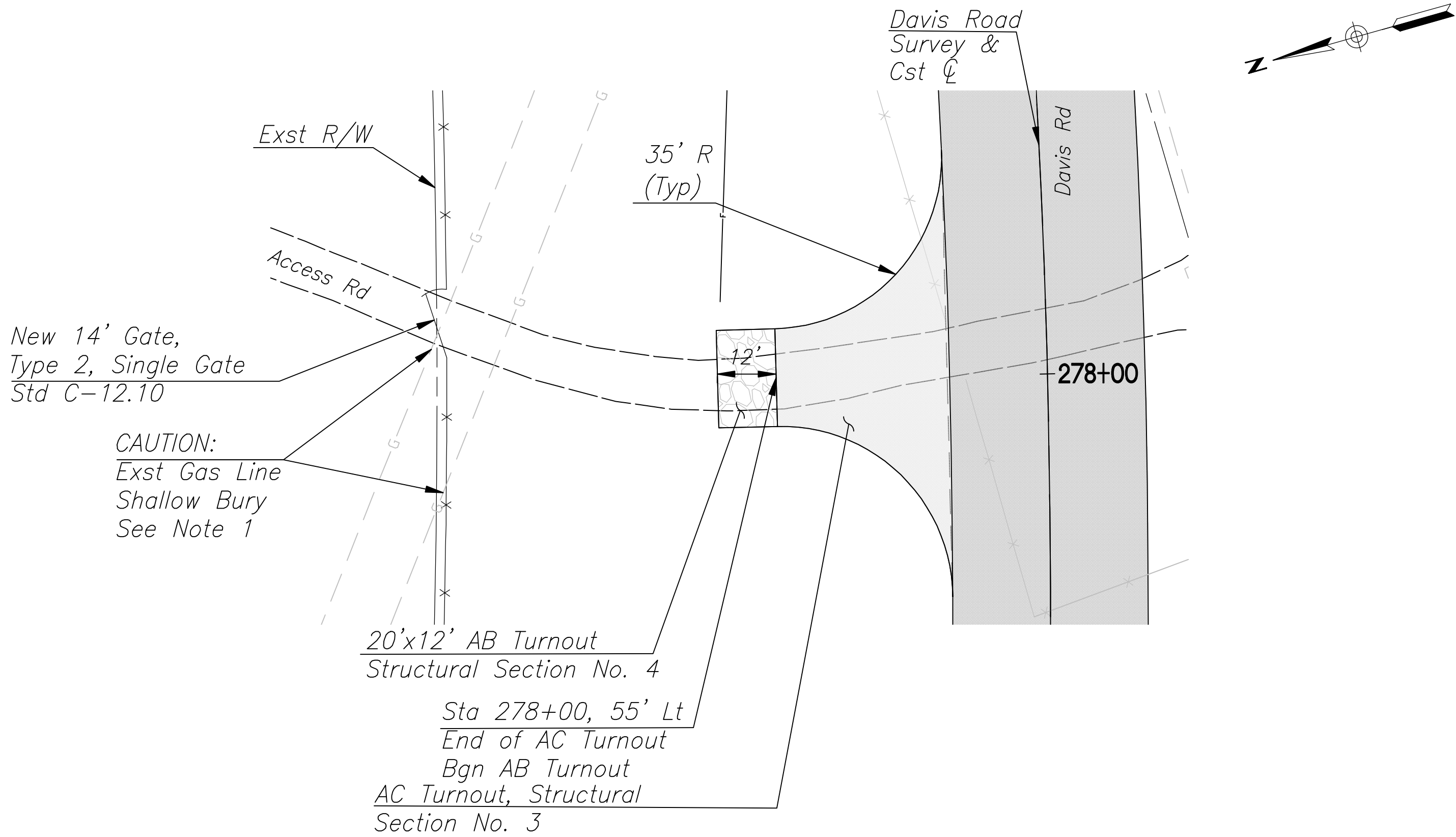


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SURVEY NO.	FINISHED PLANS	REVISIONS	LOCATION	DATE

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEET	AS BUILT
9	AZ	CCH-0(207)T	10	39	

0000 CH CCH



STA. 278+00 LT
TURNOUT

Legend

- Roadway AC Pavement, See PSS #1
- Turnout AC Pavement, See PSS #3
- Turnout AB Pavement, See PSS #4

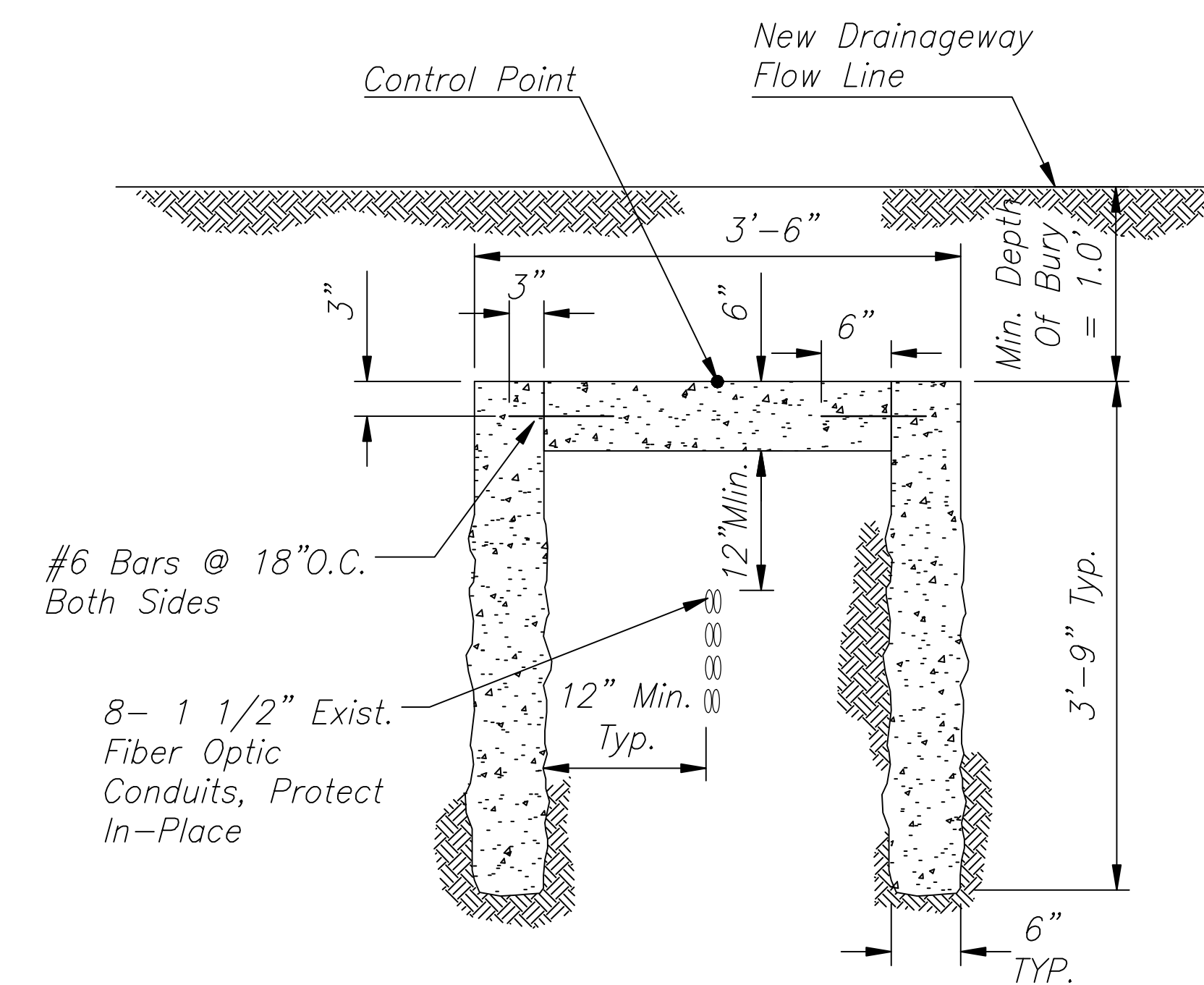
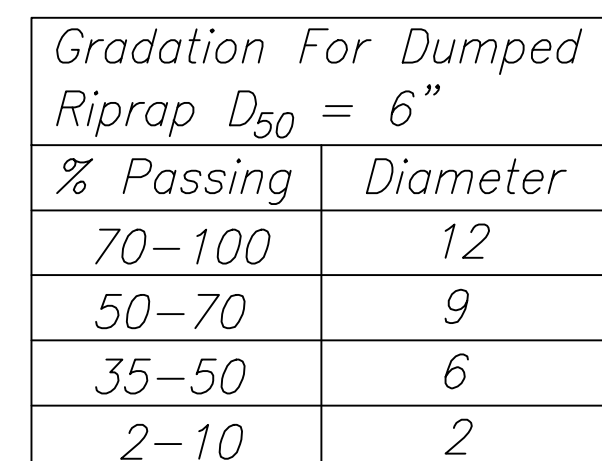
Notes:

- Use caution when installing BW fence posts and gate posts. Contractor to pothole gas line prior to fence and gate installation.
- Potholing for gasline shall be considered included as part of installation of BW fence.

DETAIL E
TURNOUT DETAILS
SHEET 2 OF 2

DESIGN	NAME	DATE	COCHISE COUNTY
DRAWN	TL	9/26	
CHECKED	CE	9/26	
Stantec			DETAIL SHEET
ROUTE	LOCATION	DAVIS ROAD; MP5	
N/A			
TRACS NO. T0497 01C			SHEET 3 OF 4
			OF

0000	CH	CCH
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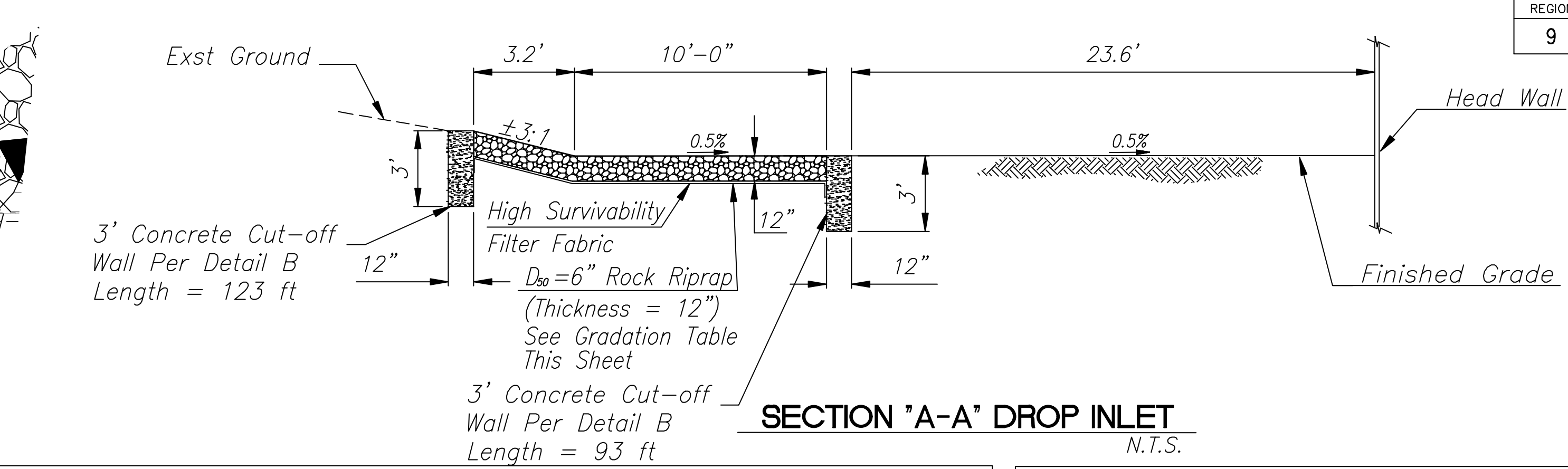
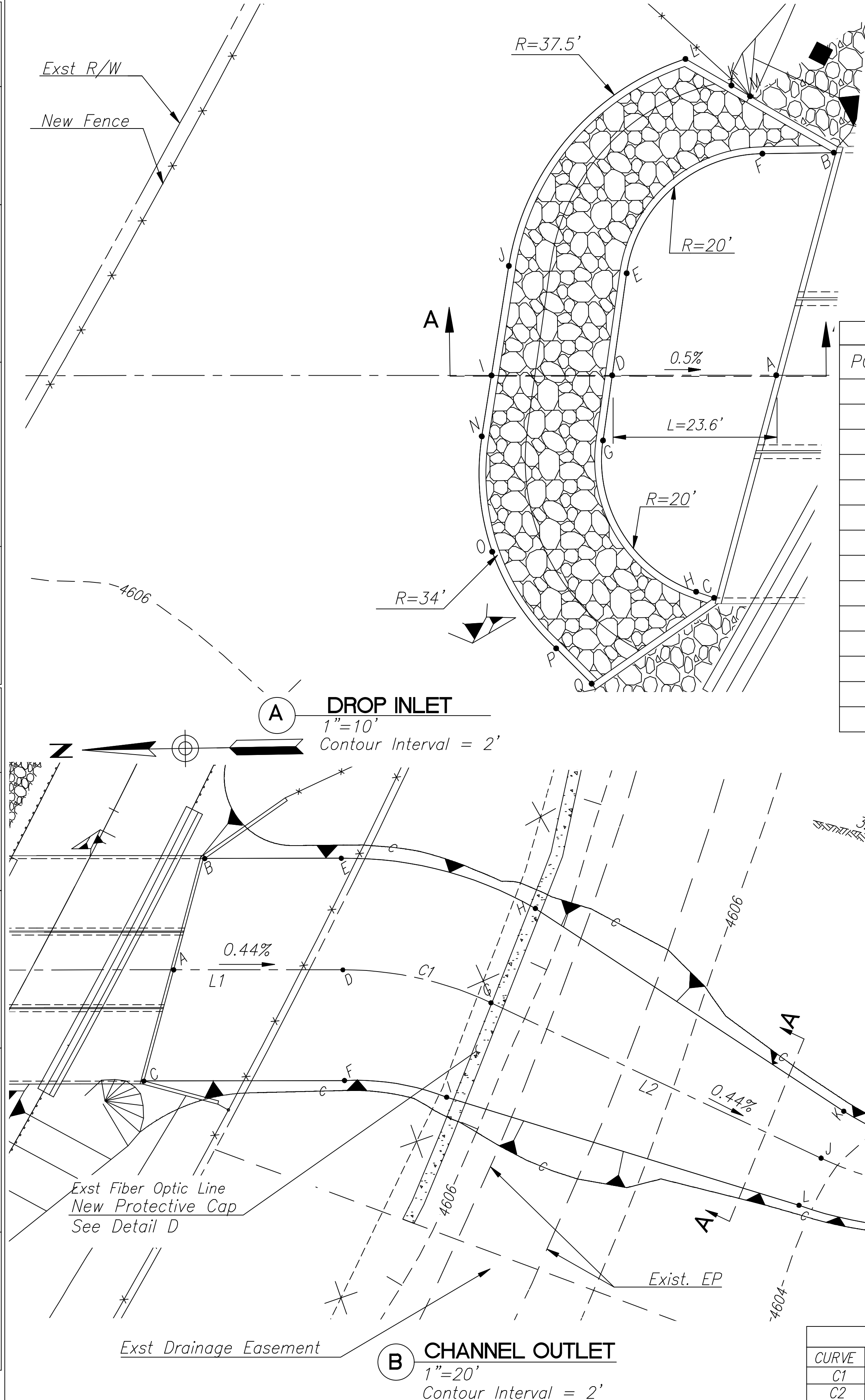


1. Protective Cap Shall be Class B Concrete.
2. Disturbed Area Above and Adjacent to be Filled and Compacted to at Least 95% of the Maximum Density.
3. The Fiber Optic Protective Cap Shall be Constructive per Bid Item 9240111 – Miscellaneous Work (Fiber Optic Concrete Protective Cap).

		NAME		DATE		COCHISE COUNTY	
DESIGN		TL		9/26		DETAIL SHEET	
DRAWN		TL		9/26			
CHECKED		CE		9/26			
		3133 W. Frye Road, Ste. 300 Chandler, AZ 85226 PH: (480) 687-0100 FAX: (480) 431-9062 www.stantec.com					
ROUTE		LOCATION				SHEET 4 OF 4	
N/A		DAVIS ROAD; MP5				OF	
TRACS NO. T0497 01C							

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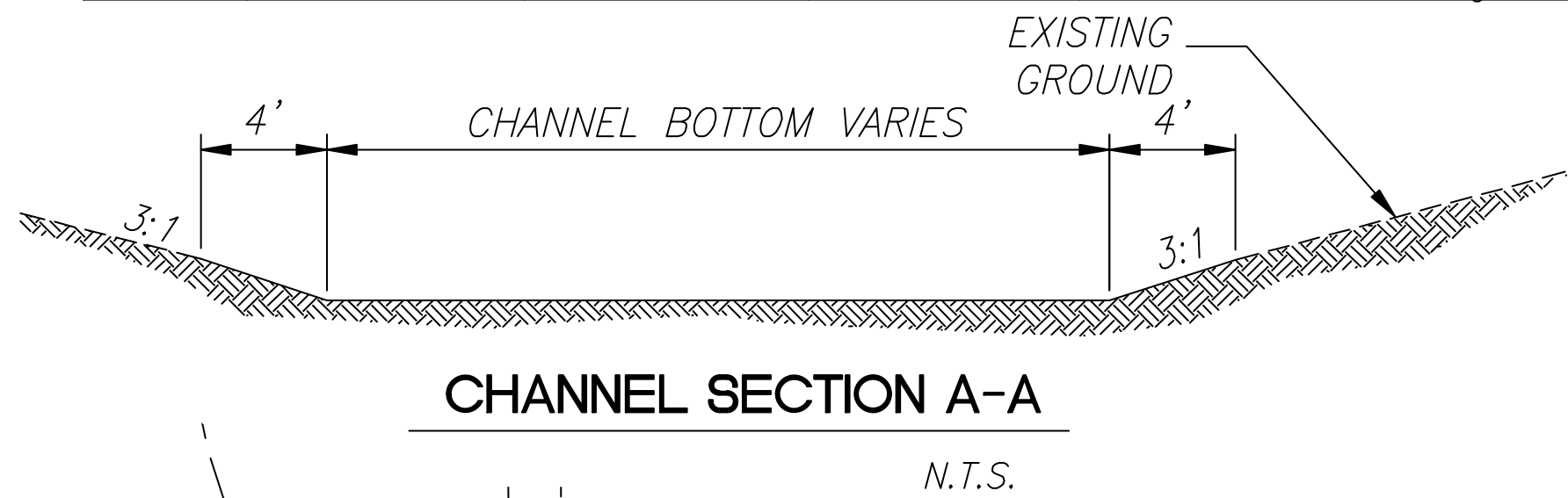
DATE: LOCATION: REVISIONS: FINISHED PLANS: SURVEY NO. DATE: LOCATION: REVISIONS: FINISHED PLANS: SURVEY NO.



INLET POINT TABLE				
POINT	STATION	OFFSET	ELEVATION	DESCRIPTION
A	273+28.39	36.12' LT.	4604.26	Arch Culvert / Channel C
B	273+61.15	44.00' LT.	4604.26	Cut-off Wall / Invert
C	272+95.58	28.28' LT.	4604.26	Cut-off Wall / Invert
D	273+16.69	56.75' LT.	4604.36	Cut-off Wall / Channel C
E	273+30.97	62.03' LT.	4604.36	Cut-off Wall, Begin Curve
F	273+56.08	53.02' LT.	4604.36	Cut-off Wall, End Curve
G	273+07.63	53.35' LT.	4604.36	Cut-off Wall, Begin Curve
H	272+95.05	31.00' LT.	4604.26	Cut-off Wall, End Curve
I	273+07.96	71.91' LT.	4605.66	Cut-off Wall
J	273+23.46	77.37' LT.	4605.66	Cut-off Wall, Begin Curve
K	273+62.86	63.73' LT.	4605.66	Cut-off Wall
L	273+63.16	69.18' LT.	4605.66	Cut-off Wall, Angle Point
M	273+62.74	58.49' LT.	4605.66	Cut-off Wall, End Wing Wall
N	272+99.31	68.83' LT.	4605.66	Cut-off Wall, Begin Curve

INLET POINT TABLE (CONTINUATION)				
POINT	STATION	OFFSET	ELEVATION	DESCRIPTION
O	272+85.21	59.26' LT.	4605.66	Cut-off Wall, Curve Mid-Point
P	272+77.62	44.41' LT.	4605.66	Cut-off Wall, End Curve
Q	272+75.77	37.44' LT.	4605.66	Cut-off Wall, End Wing Wall

Gradation For Dumped Riprap D ₅₀ = 6"	
% Passing	Diameter
70-100	12
50-70	9
35-50	6
2-10	2



OUTLET POINT TABLE				
POINT	STATION	OFFSET	ELEVATION	DESCRIPTION
A	273+67.29	36.30' RT.	4604.06	Channel C, Begin Channel
B	273+99.33	29.61' RT.	4604.06	Channel Toe
C	273+35.66	43.83' RT.	4604.06	Channel Toe
D	273+89.07	79.54' RT.	4603.80	Channel C, Begin Curve
E	274+16.54	64.74 RT.	4603.80	Channel Toe
F	273+62.17	94.62' RT.	4603.80	Channel Toe
G	273+99.36	121.83' RT.	4603.70	Channel C, End Curve
H	274+27.66	121.22' RT.	4603.70	Channel Toe
I	273+71.09	122.87' RT.	4603.70	Channel Toe
J	274+01.95	226.74' RT.	4603.20	Channel C, Begin Curve
K	274+15.44	226.40' RT.	4603.20	Channel Toe
L	273+88.31	226.96' RT.	4603.20	Channel Toe
M	274+11.92	270.33' RT.	4603.00	Channel C, End Curve, End Channel
N	274+19.75	265.78' RT.	4603.00	Channel Toe
O	274+04.07	274.93' RT.	4603.00	Channel Toe

DETAIL M

CURVE TABLE					LINE TABLE		
CURVE	LENGTH	RADIUS	TANGENT	DELTA	NO.	LENGTH	BEARING
C1	44.01'	100.00'	22.37'	25°12'58"	L1	48.69'	S 00°47'40" W
C2	45.40'	100.00'	23.10'	26°00'38"	L2	104.94'	S 26°00'38" W

DESIGN	NAME	DATE	COCHISE COUNTY			
DRAWN	TL	9/26				
CHECKED	CE	9/26				
			DETAIL SHEET			
ROUTE N/A			MP5 CULVERT GRADING SHEET			
LOCATION			DAVIS ROAD; MP5			
TRACS NO. T0497 01C			SHEET 1 OF 5			
			OF			

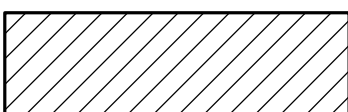
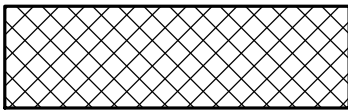
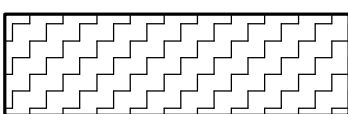
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEET	AS BUILT
9	AZ	CCH-0(207)T	13	39	

0000 CH CCH

Notes

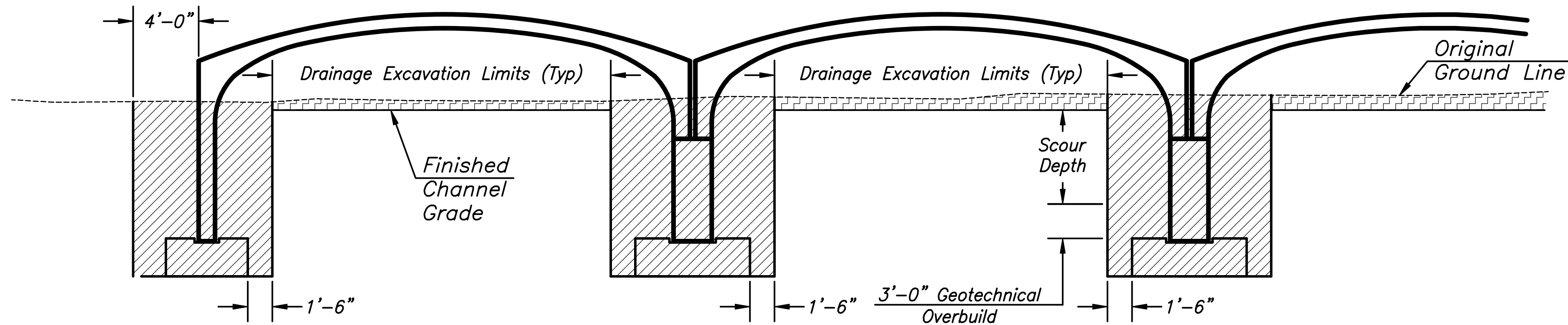
- Dimensions shown on these details for Structure Backfill are estimates to assist with creating an approximate backfill quantity. Backfill dimensions may vary depending on the arch culvert manufacturer's specifications. Contractor to verify backfill quantity prior to installation.
- See Culvert Summary Sheet for Structural Excavation and Structure Backfill Quantities.
- See Culvert Detail Sheet for Scour Depth Dimension.
- Excavation payment limits as described on this sheet are for estimation purposes only. Prior to construction the contractor shall provide a new estimate based on the chosen arch culvert manufacturer's specifications. All new quantity estimations shall be reviewed by the Engineer.
- All drainage excavation required for installation of the arch culvert shall be considered incidental to the placement of the arch culvert.
- See MP5 Culvert Detail Sheets for excavation quantities.

Legend

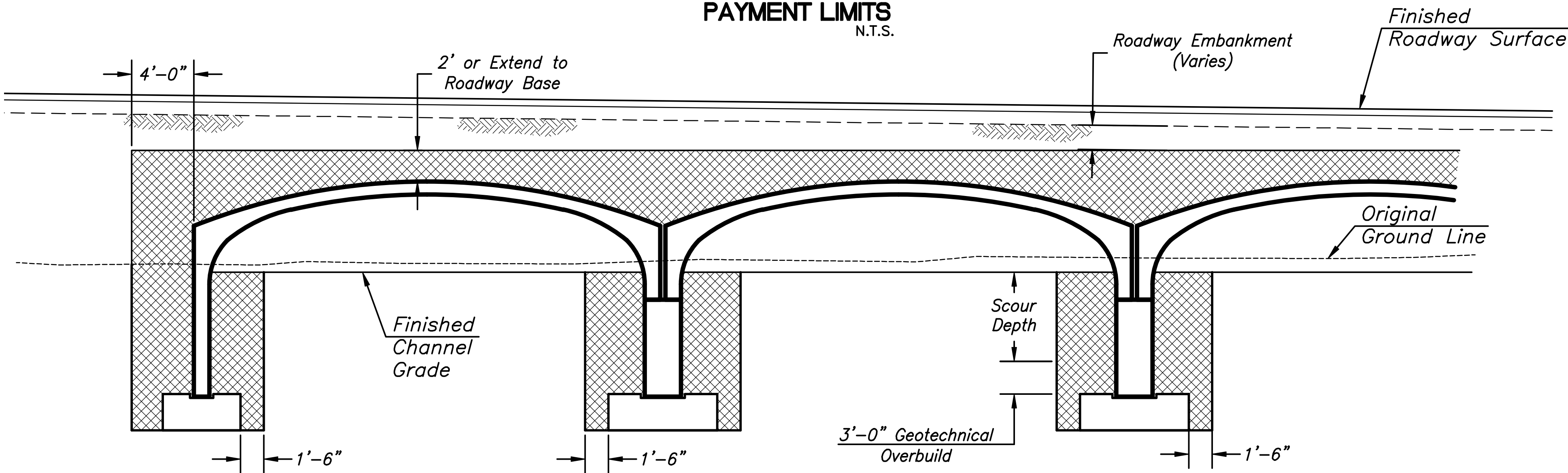
	Structural Excavation
	Structure Backfill
	Drainage Excavation

DETAIL ○
ARCH CULVERT EXCAVATION
PAYMENT LIMITS

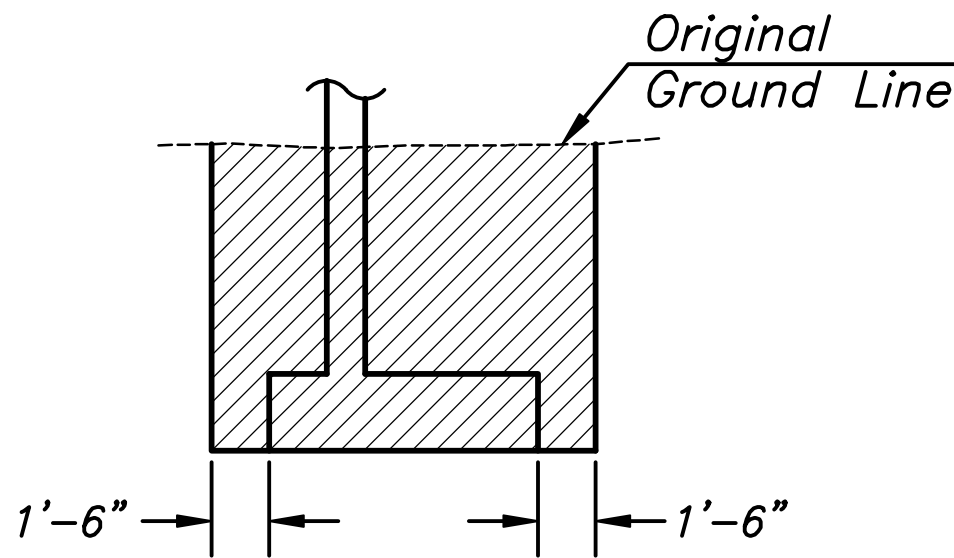
DESIGN	NAME	DATE	COCHISE COUNTY
DRAWN	TL	9/26	
CHECKED	CE	9/26	
 3133 W. Frye Road, Ste. 300 Chandler, AZ 85226 Ph: (480) 967-6100 Fax: (480) 431-6662 www.stantec.com			DETAIL SHEET
ROUTE	LOCATION	DAVIS ROAD; MP5	
N/A			
TRACS NO. T0497 01C			SHEET 2 OF 5
			OF



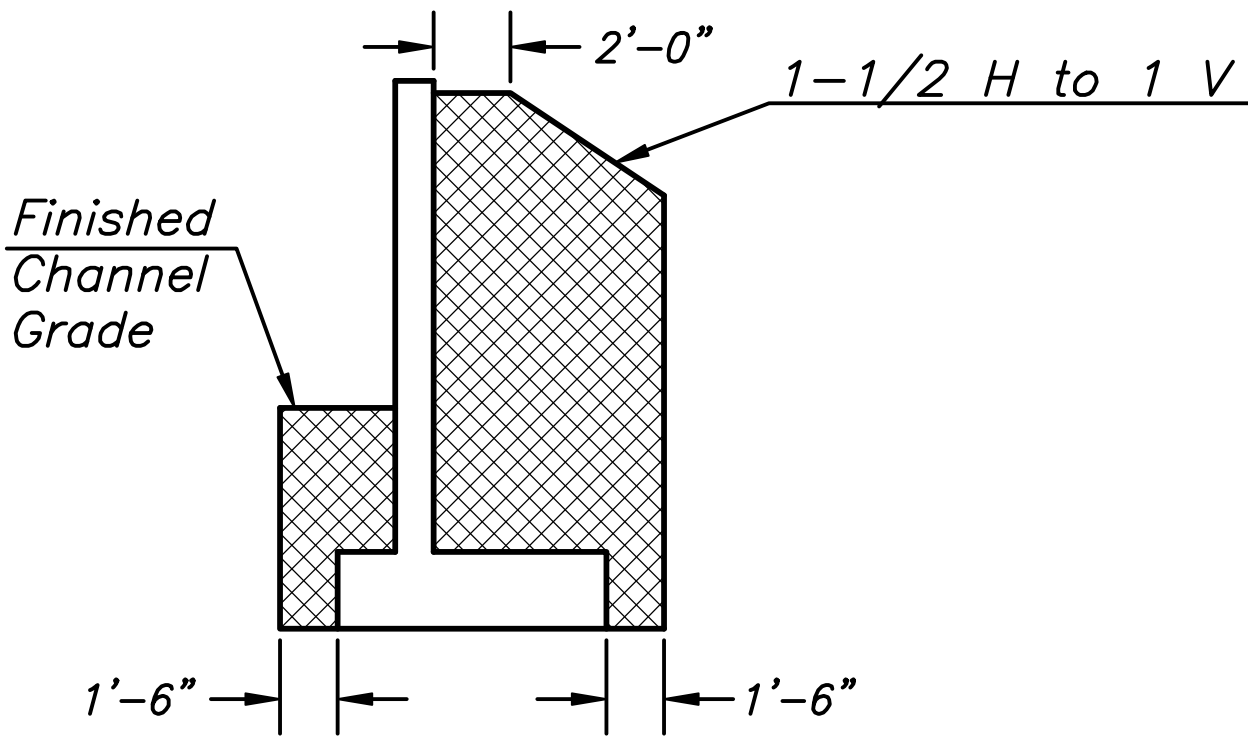
CULVERT STRUCTURAL EXCAVATION
PAYMENT LIMITS
N.T.S.



CULVERT STRUCTURE BACKFILL
PAYMENT LIMITS
N.T.S.

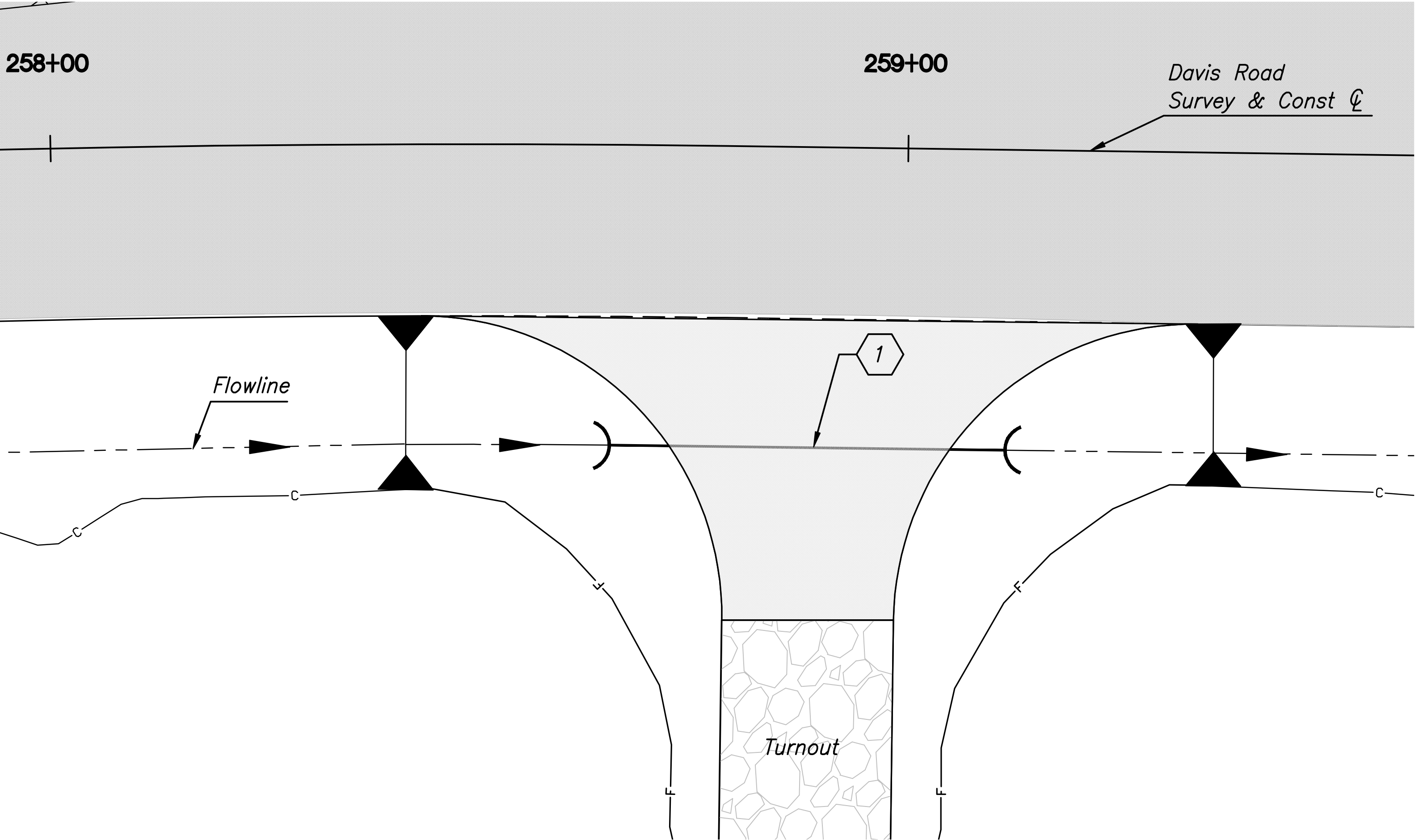


WINGWALL STRUCTURAL EXCAVATION
PAYMENT LIMITS
N.T.S.



WINGWALL STRUCTURAL BACKFILL
PAYMENT LIMITS
N.T.S.

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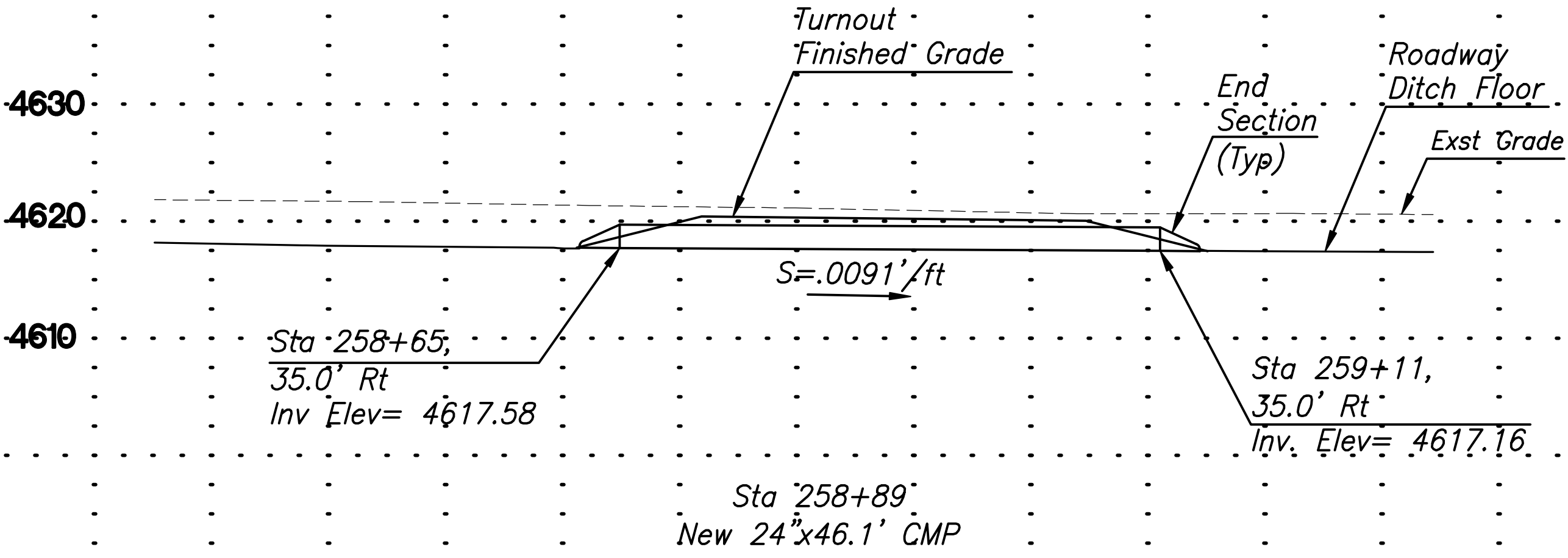


Pavement Legend

Roadway AC Pavement

Turnout AC Pavement

Turnout AB Pavement

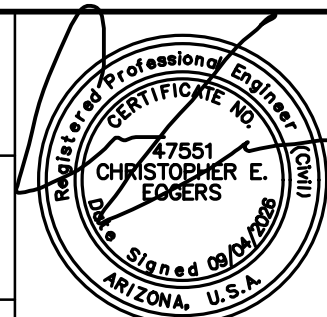


F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEET	AS BUILT
9	AZ	CCH-0(207)T	14	39	
0000 CH CCH					

DETAIL D1

STA 258+89 TURNOUT CMP

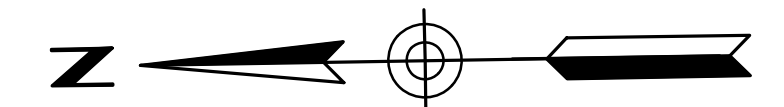
DESIGN	NAME	DATE	COCHISE COUNTY
DRAWN	TL	9/26	
CHECKED	CE	9/26	
 Stantec 3133 W. Frye Road, Ste. 300 Chandler, AZ 85226 TEL: (480) 947-6100 FAX: (480) 431-6962 www.stantec.com			CMP CULVERT PLAN AND PROFILE DETAILS
ROUTE	LOCATION		
N/A	DAVIS ROAD; MP5		
TRACS NO. T0497 01C			SHEET 3 OF 5



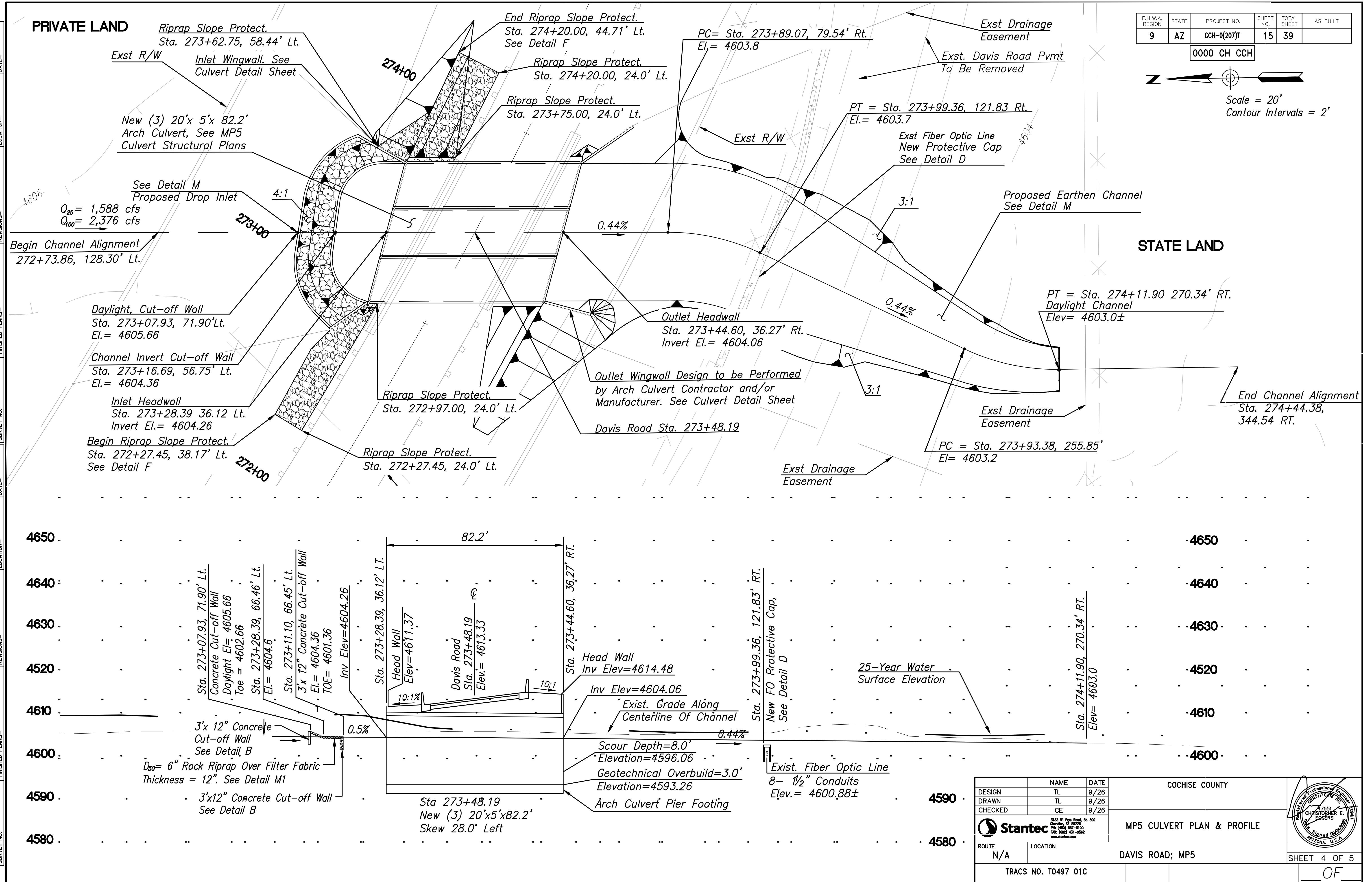
OF

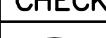
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEET	AS BUILT
9	AZ	CCH-0(207)T	15	39	

0000 CH CCH



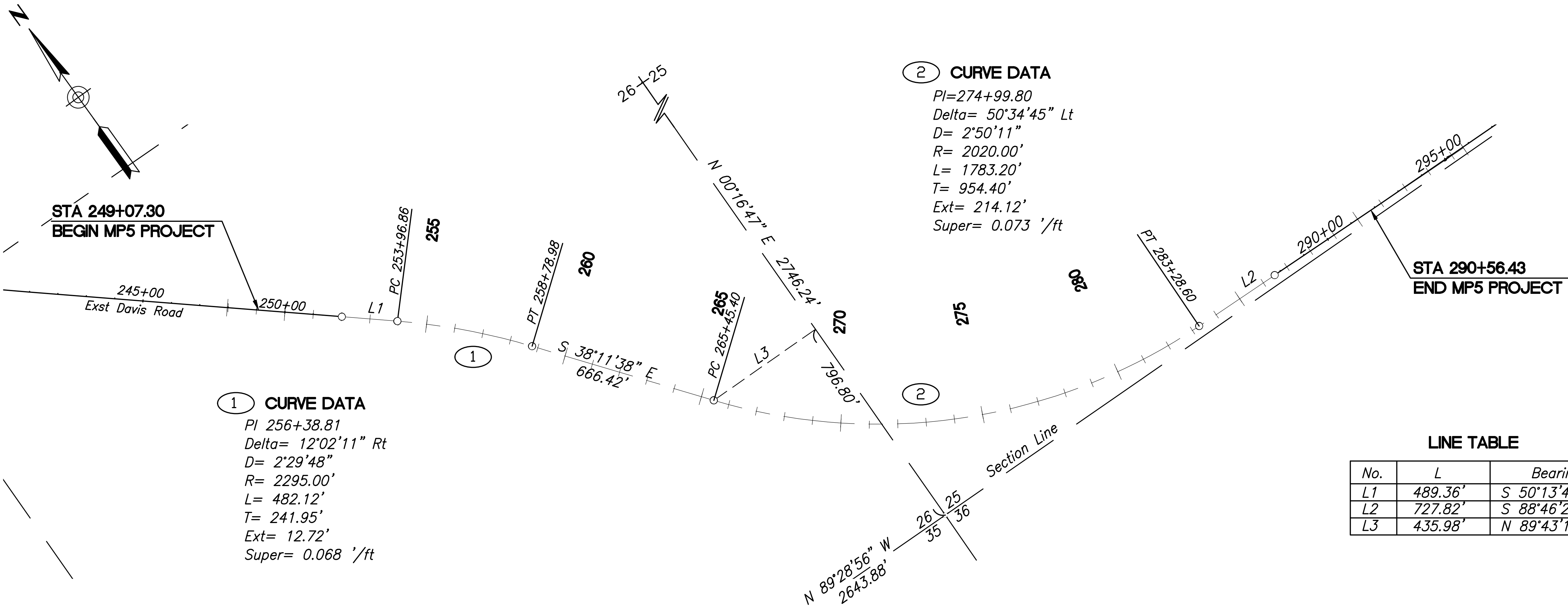
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Contour Intervals = 2'

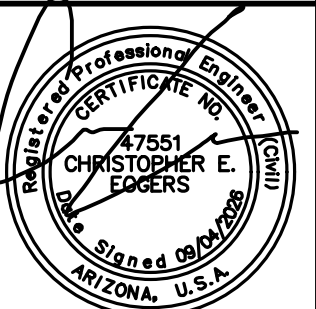


		NAME		DATE		COCHISE COUNTY					
DESIGN		TL		9/26		MP5 CULVERT PLAN & PROFILE					
DRAWN		TL		9/26							
CHECKED		CE		9/26							
 Stantec		3133 W. Fifth Road, Ste. 300 Chandler, AZ 85226 PHX (602) 967-0100 PHX (602) 431-9562 www.stantec.com									
ROUTE		LOCATION		DAVIS ROAD; MP5						SHEET 4 OF 5	
N/A										OF	
TRACS NO. T0497 01C											

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEET	AS BUILT
9	AZ	CCH-0(207)T	17	39	

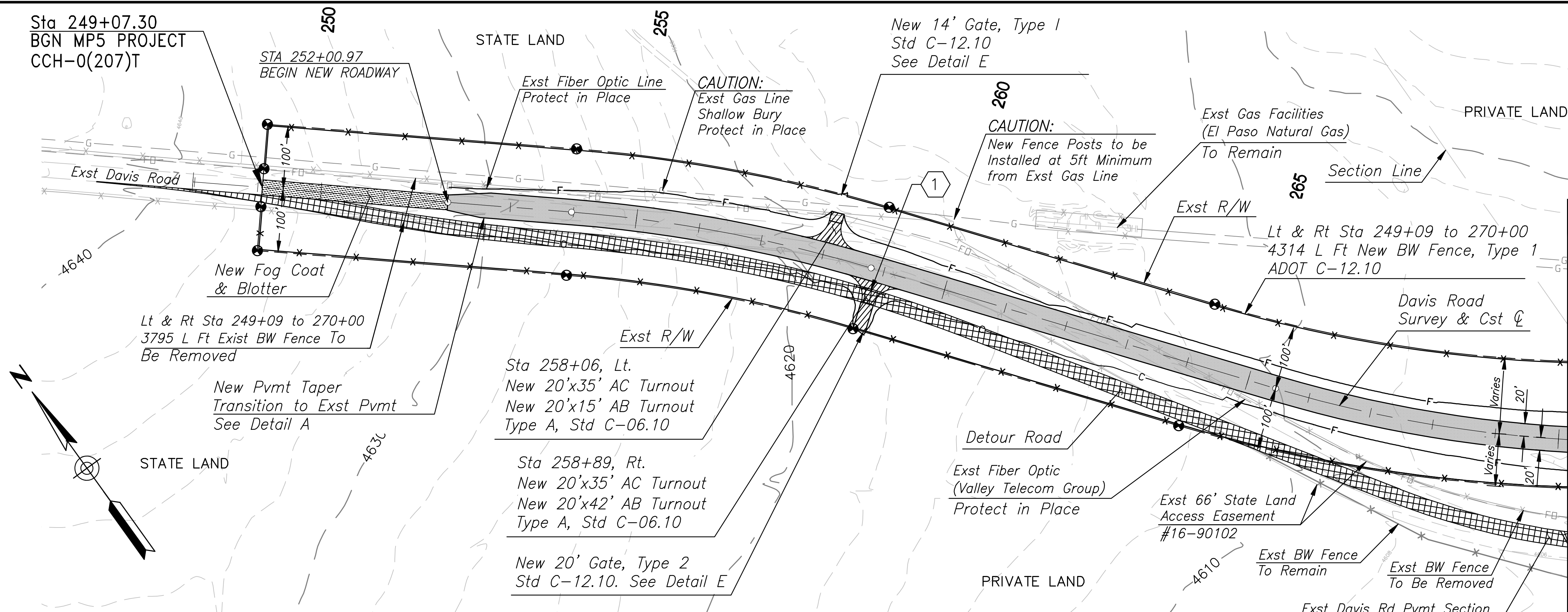
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DESIGN	NAME	DATE	COCHISE COUNTY	
DRAWN	TL	9/26		
CHECKED	CE	9/26		
ROUTE N/A			GEOMETRIC AND SURVEY CONTROL SHEET	
LOCATION			DAVIS ROAD; MP5	
TRACS NO. T0497 01C			SHEET 1 OF 1	

OF

Sta 249+07.30
BGN MP5 PROJECT
CCH-0(207)T

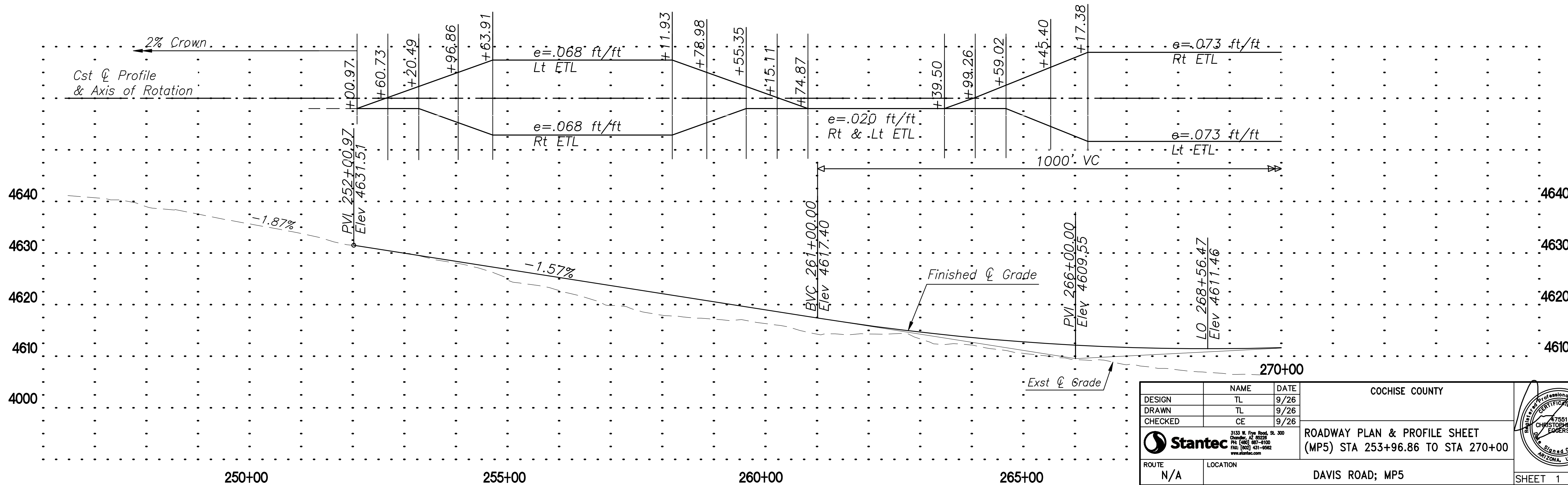


F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEET	AS BUILT
9	AZ	CCH-0(207)T	18	39	

0000 CH CCH

Legend

- New Davis Rd pavement, See PSS#1.
- Davis Rd Detour pavement to be removed after construction of new Davis Rd pavement. Reshape and Regrade detour roadway prism at or near the original surface prior to construction. See detail C.
- Asphaltic Concrete/Aggregate Base Turnout, See detail E.
- Fog Coat and Blotter, See PSS#5.
- New Barb Wire Fence To be installed 5ft offset from existing R/W.
- Existing Barb Wire Fence to Remain.
- Existing Barb Wire Fence to be Removed.



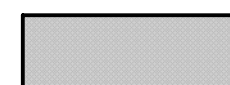
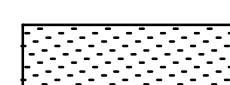
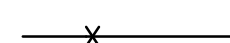
DESIGN	TL	DATE	9/26	COCHISE COUNTY	
DRAWN	TL	DATE	9/26		
CHECKED	CE	DATE	9/26		
2133 W. Fry Road, Ste. 300 Chandler, AZ 85226 TEL: (480) 947-9100 FAX: (480) 431-9962 www.stantec.com				ROADWAY PLAN & PROFILE SHEET (MP5) STA 253+96.86 TO STA 270+00	
ROUTE	N/A	LOCATION	DAVIS ROAD; MP5	SHEET 1 OF 2	
TRACS NO. T0497 01C				OF	

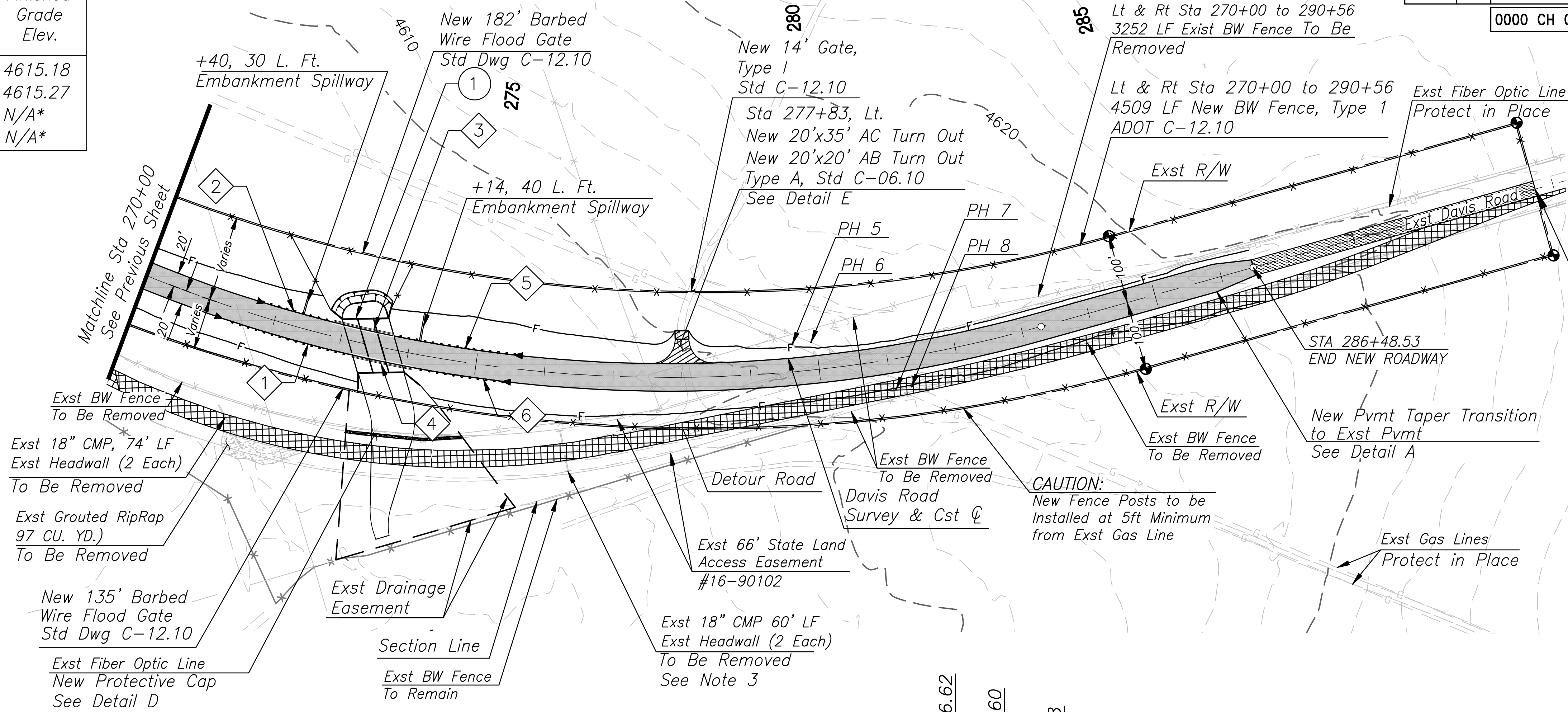
POTHOLE TABLE

Pothole #	Sta/Off	Top of Pipe Elev.	Finished Grade Elev.
5	Sta 279+63.9, 39.6' Lt	4611.15	4615.18
6	Sta 279+92.1, 39.9' Lt	4610.78	4615.27
7	Sta 281+05.6, 44.0' Rt	4611.30	N/A*
8	Sta 281+28.1, 43.7' Rt	4611.15	N/A*

*Existing grade to remain.

Legend

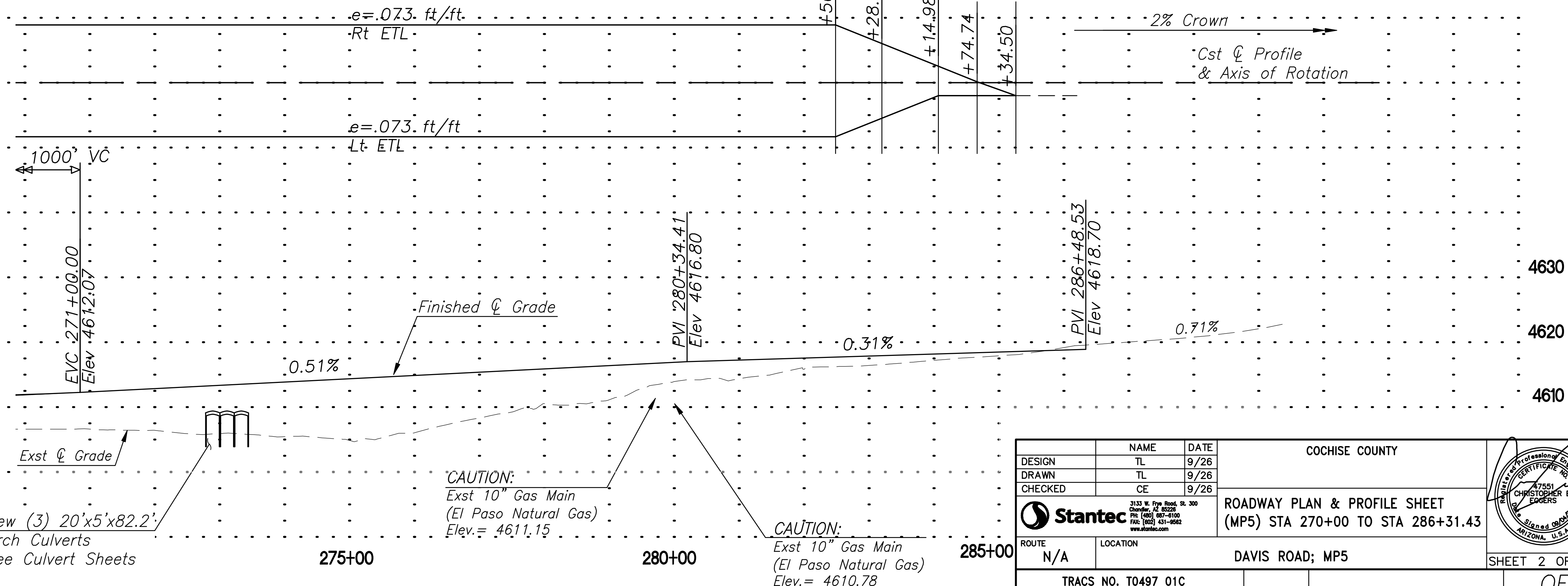
-  New Davis Rd pavement, See PSS#1.
-  Davis Rd Detour pavement to be removed after construction of new Davis Rd pavement. Reshape and Regrade detour roadway prism at or near the original surface prior to construction. See detail C.
-  Asphaltic Concrete/Aggregate Base Turnout, See detail E.
-  Fog Coat and Blotter, See PSS#5.
-  New Barb Wire Fence To be installed 5ft offset from existing R/W.
-  Existing Barb Wire Fence to Remain.
-  Existing Barb Wire Fence to be Removed.



F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEET	AS BUILT
9	AZ	CCH-0(207)T	19	39	

0000 CH CCH

Sta 290+56.43
END MP5 PROJECT
CCH-0(207)T



DESIGN		NAME	DATE	COCHISE COUNTY	
DRAWN		TL	9/26		
CHECKED		CE	9/26		
		3133 W. Fry Road, Ste. 300 Chandler, AZ 85226 PH: (480) 867-9100 FAX: (480) 431-9602 www.stantec.com			
ROUTE N/A		LOCATION		DAVIS ROAD; MP5	
TRACS NO. T0497 01C				ROADWAY PLAN & PROFILE SHEET (MP5) STA 270+00 TO STA 286+31.43	
				SHEET 2 OF 2	

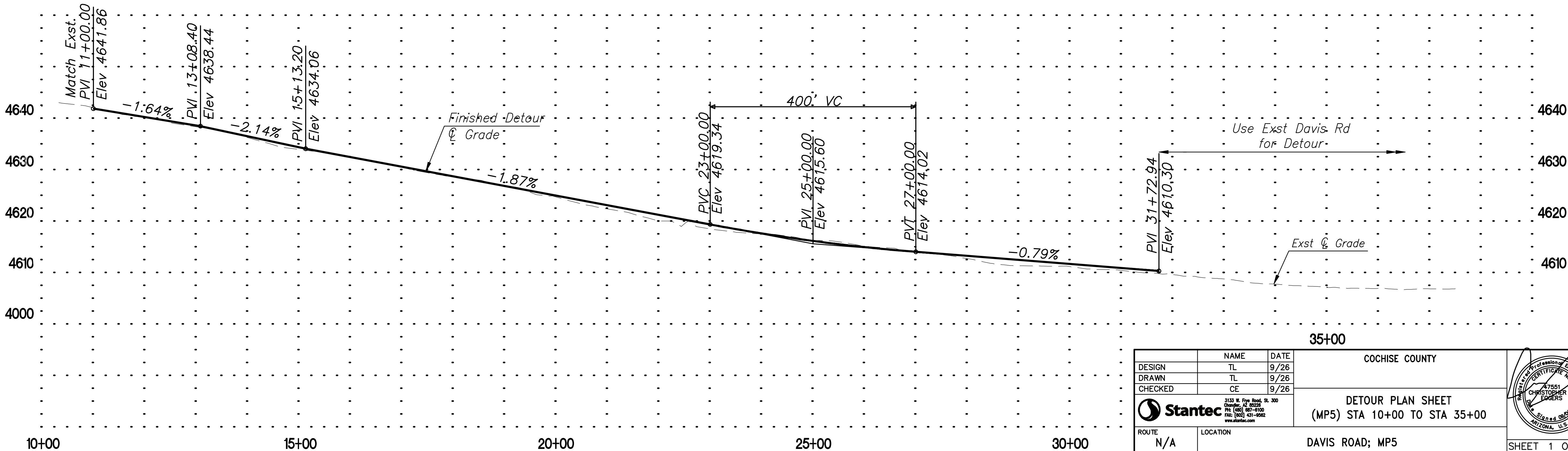
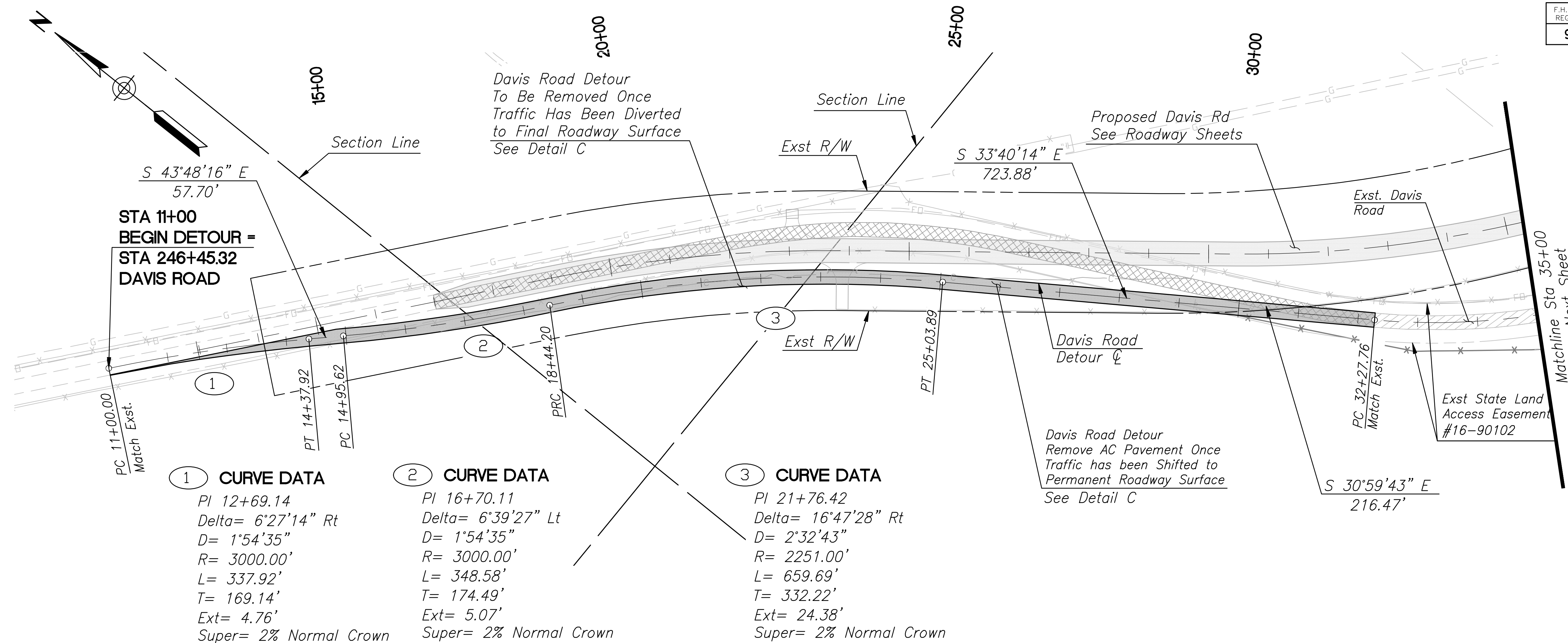
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F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEET	AS BUILT
9	AZ	CCH-0(207)T	20	39	

0000 CH CCH

Legend

- Davis Rd Detour pavement. See PSS#2.
- New Davis Rd pavement. See Plan and Profile sheets.
- Existing Davis Rd pavement to be removed by milling after construction of Davis Rd Detour.
- Existing Davis Rd, to remain during construction of New Davis Rd pavement.



DESIGN	NAME	DATE	COCHISE COUNTY
DRAWN	TL	9/26	
CHECKED	CE	9/26	
Stantec			DETOUR PLAN SHEET (MP5) STA 10+00 TO STA 35+00
ROUTE	LOCATION	DAVIS ROAD; MP5	
N/A		SHEET 1 OF 2	
TRACS NO. T0497 01C			OF

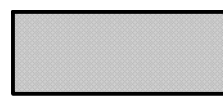
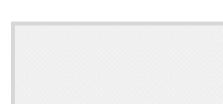
2133 W. River Road, Ste. 300
Chandler, AZ 85226
TEL: (480) 947-9100
FAX: (480) 631-6962
www.stantec.com

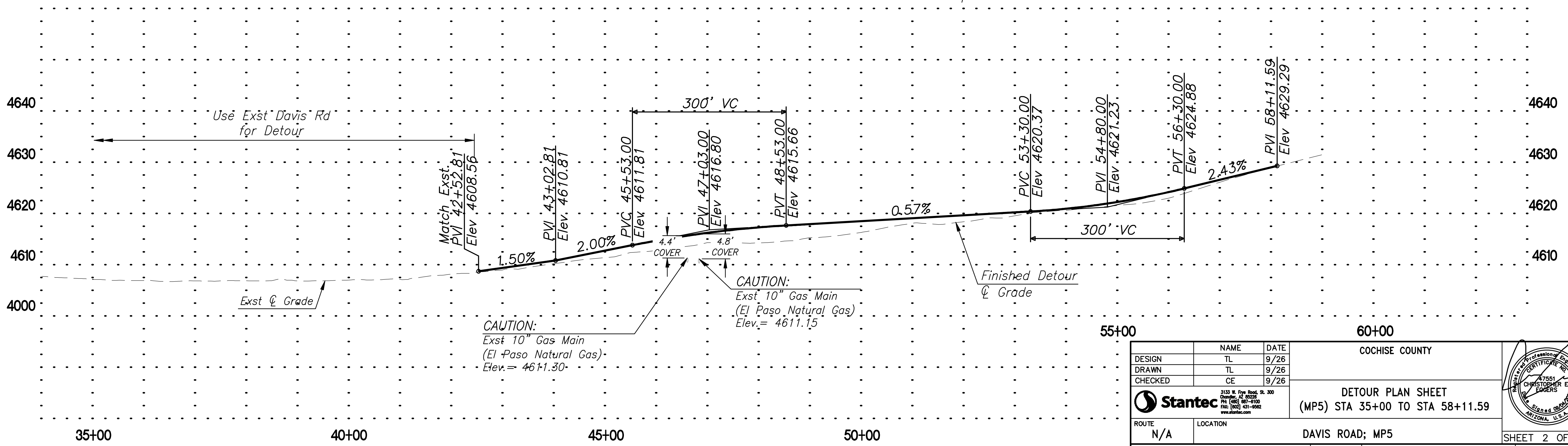
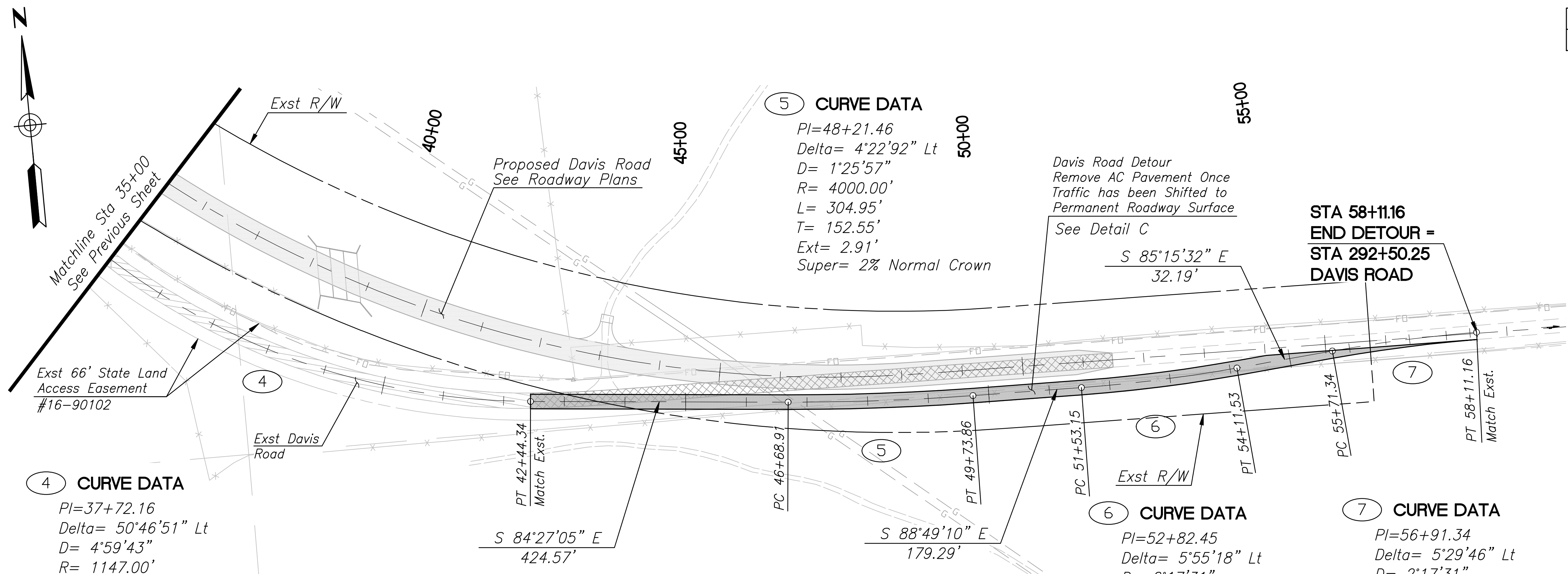
Professional Engineer
No. 47551
Christopher E. Eggers
Arizona, U.S.A.

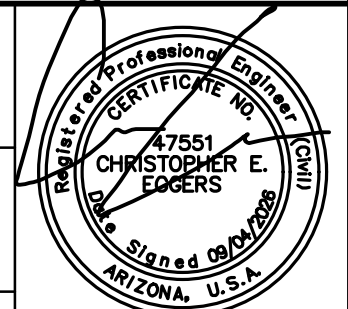
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEET	AS BUILT
9	AZ	CCH-0(207)T	21	39	

0000 CH CCH

Legend

-  Davis Rd Detour pavement. See PSS#2.
-  New Davis Rd pavement. See Plan and Profile sheets.
-  Existing Davis Rd pavement to be removed by milling after construction of Davis Rd Detour.
-  Existing Davis Rd, to remain during construction of New Davis Rd pavement.



NAME		DATE	COCHISE COUNTY	
DESIGN	TL	9/26		
DRAWN	TL	9/26		
CHECKED	CE	9/26		
ROUTE N/A		LOCATION	DAVIS ROAD; MP5	
TRACS NO. T0497 01C				SHEET 2 OF 2

DETOUR PLAN SHEET (MP5) STA 35+00 TO STA 58+11.59

OF

\\usd010-aplsec01\shared_projects\181725003\1702_Cood\Drawings\00108_Stripes_Notes.dwg
User: Travis
Date: 8/17/2025 2:28:56 PM
Sheet: 01 of 50

DATE: LOCATION: REVISIONS: FINISHED PLANS: SURVEY NO. DATE: LOCATION: REVISIONS: FINISHED PLANS: SURVEY NO.

PAVEMENT MARKING NOTES:

1. All pavement marking shall conform to the Manual on Uniform Traffic Control Devices, 11th Edition, and the ADOT supplement to the MUTCD.
2. It is the contractor's responsibility to ensure that the final surface course is placed so that the striping is offset one foot clear of the construction joint, unless otherwise directed by the Engineer.
3. The contractor shall be responsible for the layout and installation of permanent pavement markings on the final surface course following control points that have been set no more than 50 feet apart along the lines to be striped.
4. The dimensions shown to pavement striping are to the center of the striping or to the edge of pavement. In the case of double yellow striping, to the center of the double yellow striping.
5. The final striping shall be 15 mil (0.015 inches) thick permanent pavement marking placed over the existing striping.
6. Within three days of the completion of the fog coat, the center lines and edge lines shall be striped with one application of temporary striping at the locations of the permanent striping. The temporary striping wet thickness shall not be less than 15 mils. All temporary painted striping shall be 4 inches wide. The temporary striping shall be paid per Items 7080201 & 7080202. See Sheet 27 for temporary painted striping quantity.
7. All raised pavement markers shall be installed with a bituminous adhesive which is on the ADOT approved products list. All reflective raised markers shall have abrasion resistant coating on the face of prismatic reflectors and shall conform to the details of the ADOT standard drawing M-19.
8. All raised pavement markers shall be installed so that the reflective face of each marker is facing the direction of traffic and is perpendicular to the direction of traffic flow.
9. Where raised pavement markers are placed along solid white striping, the nearest edge of each marker shall be offset 2 inches from the nearest edge of the striping on the on the side of the through lane, except as otherwise indicated.
10. Where raised pavement markers are placed between double yellow striping, they shall be centered in the 6 inch gap between the lines, except as indicated otherwise on the plans.
11. When stripe obliteration is necessary, it shall be accomplished by approved methods, as indicated in the ADOT standard specifications. painting over striping, removal of pavement, and overlaying pavement do not constitute stripe obliteration.
12. The contractor shall preserve all roadway signs, sign supports, object markers. The contractor shall replace any signs, sign supports, and markers damaged as a result of the construction at the contractor's expense.
13. The contractor shall clean the roadway surface to the satisfaction of the Engineer, by sweeping and air-jet blowing, immediately prior to the placement of all pavement markings. The roadway surface shall be dry and the air and pavement temperatures shall not be less than 50°f for the placement of permanent striping.
14. The contractor shall delineate all guardrail end treatments as indicated on Std. Dwg. M-34. there shall be no measurement or payment for delineation of end treatments.
15. The contractor shall remove the existing milepost markers and install new milepost markers in accordance with Std Dwg. S-10 at the following locations.
MP5 Sta 264+82
16. The Engineer may modify the pavement marking plans.

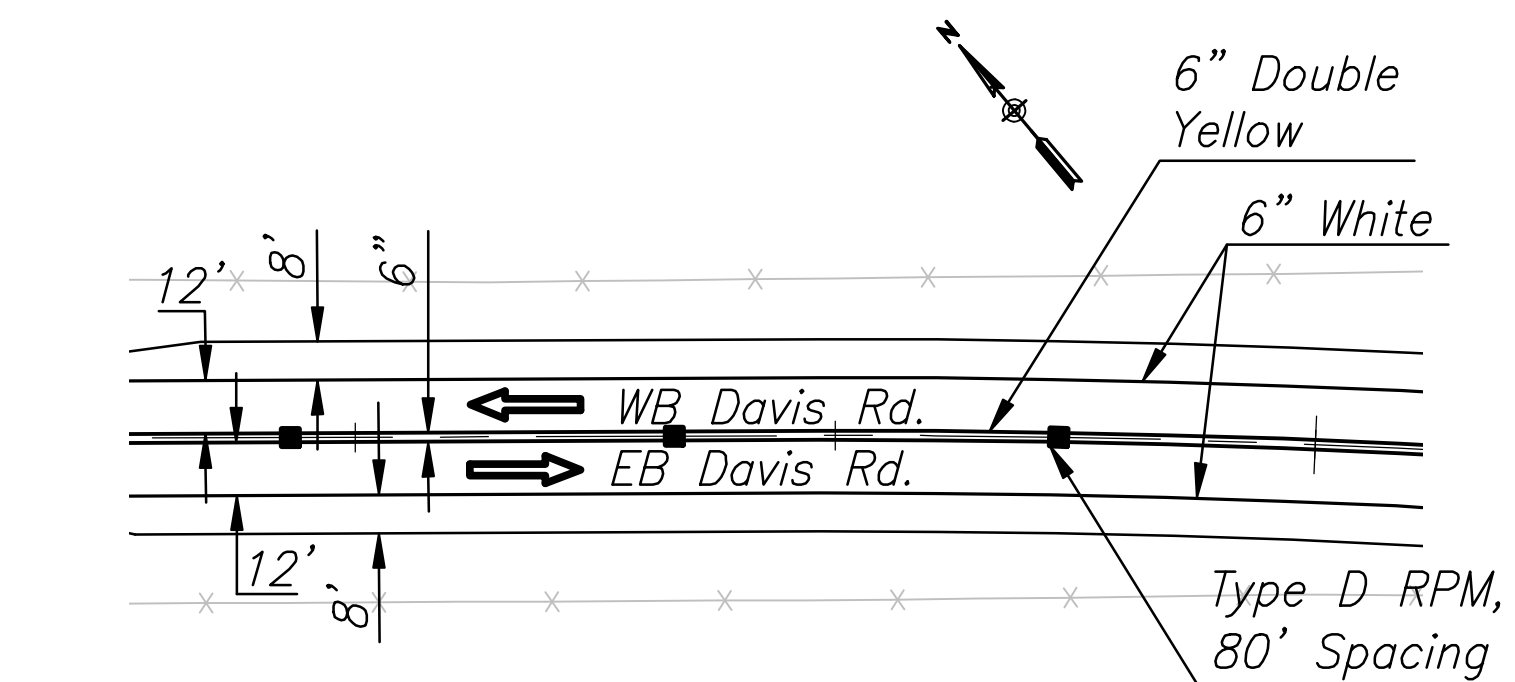
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEET	AS BUILT
9	AZ	CCH-0(207)T	22	39	

0000 CH CCH

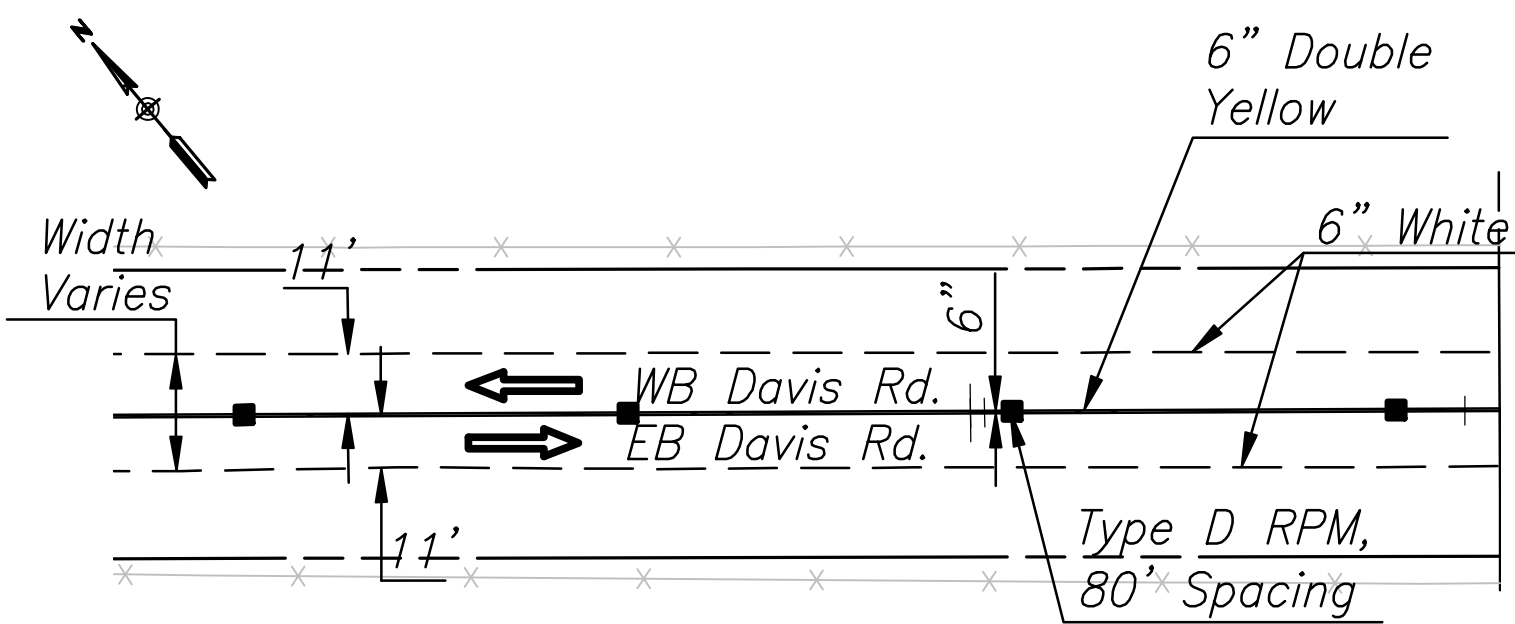
STRIPING LOG			
BEGINNING MILE POST	ENDING MILE POST	STRIPING DETAIL	REMARKS
4.64	4.75	B	MATCH EXST MARKINGS AT MP 4.64
4.75	5.40	A	
5.40	5.51	B	MATCH EXST MARKINGS AT MP 5.51

APPROXIMATE PAVEMENT MARKING QUANTITIES			
ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITIES
7060015	PAVEMENT MARKER, RAISED, TYPE D	EACH	51
7090001	DUAL COMPONENT PAVEMENT MARKING (WHITE EPOXY)	L.F.	14,196
7090002	DUAL COMPONENT PAVEMENT MARKING (YELLOW EPOXY)	L.F.	14,196

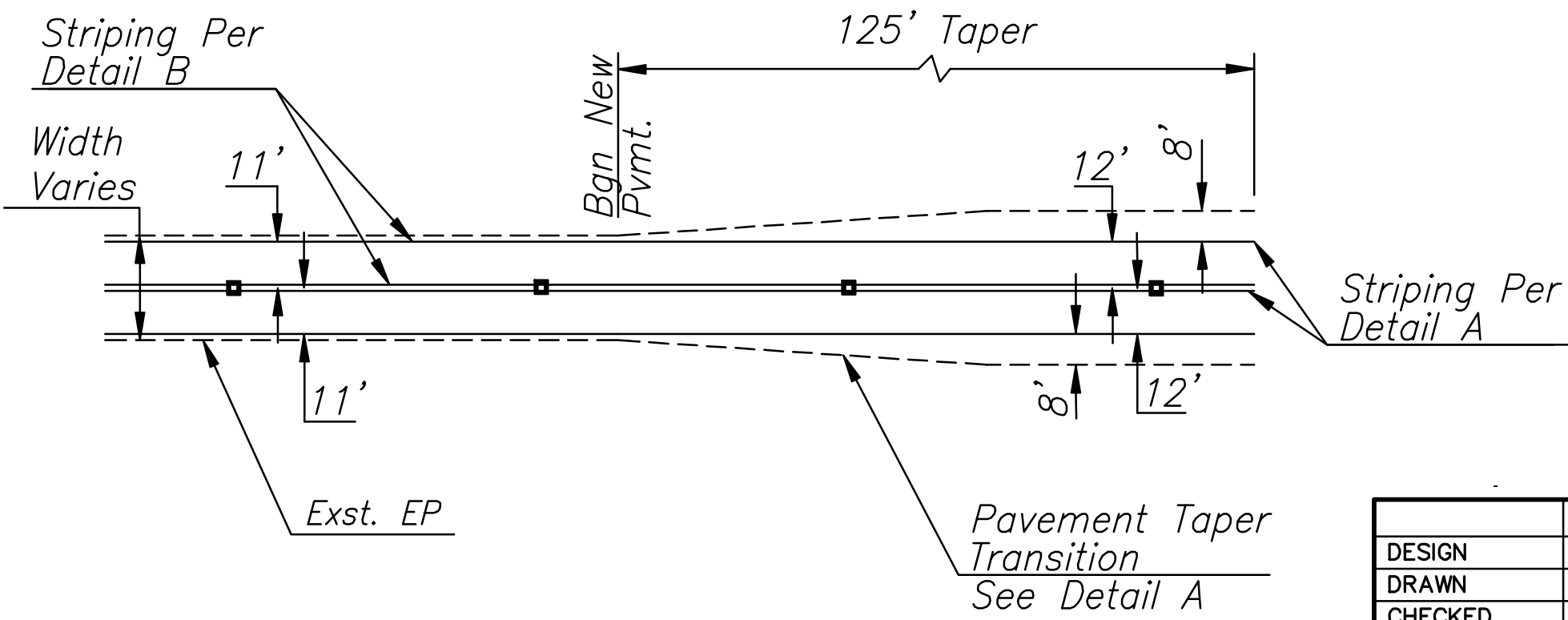
Note: All pavement marking quantities shown above have been calculated as their respective 4" equivalent.



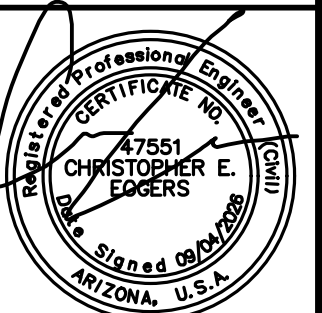
NO PASSING ZONE BOTH DIRECTIONS - TWO-WAY TRAFFIC (NEW PAVEMENT) DETAIL A



NO PASSING ZONE BOTH DIRECTIONS - TWO-WAY TRAFFIC (EXST PAVEMENT) DETAIL B



STRIPING TRANSITION BETWEEN NEW PAVEMENT TO EXST. PAVEMENT DETAIL C

DESIGN	NAME	DATE	COCHISE COUNTY
DRAWN	TL	9/26	
CHECKED	CE	9/26	
 3133 W. Frye Road, Ste. 300 Chandler, AZ 85226 TEL: (480) 947-9100 FAX: (480) 631-9562 www.stantec.com			
ROUTE	LOCATION	PAVEMENT MARKING AND STRIPING GENERAL NOTES	
N/A	DAVIS ROAD; MP5		SHEET 1 OF 5
TRACS NO. T0497 01C			OF

\\US0710-PP55501\SHARED_PROJECTS\617550033\700_cadd\sheet_files\00108_Sign_Notes.dwg
User: rana 9/17/2026 2:35:57 PM B:\H_Rail\1050 Stn\Stantec.ctb

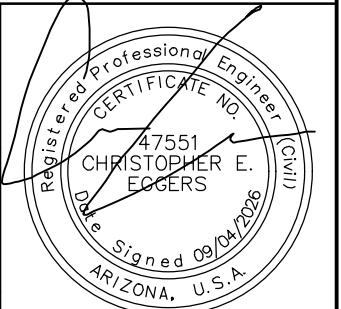
SURVEY NO.	FINISHED PLANS	LOCATION	DATE
SURVEY NO.	FINISHED PLANS	LOCATION	DATE
REVISIONS	FINISHED PLANS	LOCATION	DATE
REVISIONS	FINISHED PLANS	LOCATION	DATE

SIGNING GENERAL NOTES:

1. All signs shall be in compliance with the Manual on uniform Traffic Control Devices (MUTCD) Signing and Marking Standard Drawings, and the ADOT Traffic Engineering Manual of Approved Signs.
2. The sign locations and the post lengths are approximate. The contractor shall verify the sign locations and actual post lengths with the Engineer prior to installing signs.
3. Unless otherwise noted, the bottom of each sign shall be at least 7 feet above the nearest edge of pavement and at least 7 feet above the ground under the sign.
4. Offsets for all signs shall be measured from the edge of the roadway to the nearest edge of the sign.
5. All new signs shall be fabricated of flat sheet aluminum as indicated in Section 608 of the specifications.
6. The retroreflective sheeting on all new signs shall meet criteria established in Section 1007 of the Standard Specifications and in Section 380 of ADOT's Traffic Guidelines and Processes.
7. All new signs shall be installed on new square tube posts with foundations as indicated in ADOT Standard Drawings.
8. The Engineer may modify the signing plans.
9. Shop drawings will be required.
10. The contractor shall remove existing signing where indicated in the sign summary.
11. The contractor shall inventory all signs to be removed or covered and note damaged signs to the Engineer at the time of covering and removal. All signs damaged by covering or removal shall be replaced by the contractor at not additional cost to the Department.
12. The contractor shall preserve all roadway signs, sign supports, object markers, and milepost markers. The contractor shall replace any signs, sign supports, or markers damaged as a result of the construction at no additional cost to the Department.

SIGNING QUANTITIES			
ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL
2020060	REMOVE AND SALVAGE (SIGNS)	EACH	24
6070038	SLIP BASE	EACH	7
6070054	SIGN POST (PERFORATED) (2S)	L.FT.	99
6070055	SIGN POST (PERFORATED) (2 1/2 S)	L.FT.	69
6070057	SIGN POST (PERFORATED) (2 1/2 T)	L.FT.	26
6070060	FOUNDATION FOR SIGN POST (CONCRETE)	EACH	18
6080005	REGULATORY, WARNING, OR MARKER SIGN PANEL	SQ.FT.	77
7030082	OBJECT MARKER (M-23) (TYPE 2)	EACH	4
7030095	MILEPOST MARKER (S-10)	EACH	2

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEET	AS BUILT
9	AZ	CCH-0(207)T	23	39	
0000 CH CCH					

DESIGN	NAME	DATE	COCHISE COUNTY	
DRAWN	TL	9/26		
CHECKED	CE	9/26		
 Stantec 3133 W. Frye Road, Ste. 300 Chandler, AZ 85226 PH: (480) 581-6100 FAX: (602) 431-6962 www.stantec.com			SIGNING GENERAL NOTES	
ROUTE	LOCATION			
N/A	DAVIS ROAD; MP5		SHEET 2 OF 5	
TRACS NO. T0497 01C			__ OF __	

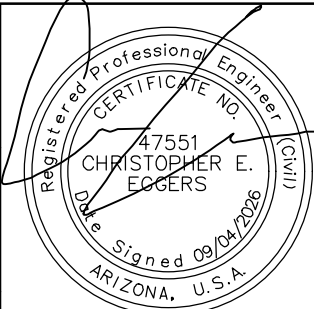
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SURVEY NO.		DATE--		FINISHED PLANS--		REVISIONS--		LOCATION--		DATE--	

PLAN SHEET NO.	STATION	MOAS SIGN CODE	WORK						OFFSET (FT)	MOUNTING HEIGHT (FT)	BACKGROUND COLOR	PANEL				GROUND MOUNTED			REMARKS
			NEW	EXISTING								SIGN DESCRIPTION	WIDTH (IN)	HEIGHT (IN)	AREA (SQ. FT)	FOUNDATIONS	POSTS		
				REPLACE PANEL	RELOCATE PANEL	MODIFY LEGEND	REMOVE	TO REMAIN									TYPE	TOTAL LENGTH (FT)	
W14-3	251+26	W14-3						X	12	7	YELLOW	NO PASSING ZONE							
W1-4	254+17	W1-4						X	12	7	YELLOW	REVERSE CURVE							
W1-4	254+17	W1-4	X						12	7	YELLOW	REVERSE CURVE	30	30	6.25	1	2½S	11	
W8-5	261+63	W8-5	X						12	7	YELLOW	SLIPPERY WHEN WET	30	30	6.25	1	2½S	11	
W8-5	261+66	W8-5						X	12	7	YELLOW	SLIPPERY WHEN WET							
D10-1	264+82	D10-1						X	12	7	GREEN	REFERENCE LOCATION (1 DIGIT)							
D10-1	264+82	D10-1	X						12	7	GREEN	REFERENCE LOCATION (1 DIGIT)	-	-	-	-	-	-	SEE SIGNING GENERAL NOTES SHEET
D10-1	264+82	D10-1						X	12	7	GREEN	REFERENCE LOCATION (1 DIGIT)							
D10-1	264+82	D10-1	X						12	7	GREEN	REFERENCE LOCATION (1 DIGIT)	-	-	-	-	-	-	SEE SIGNING GENERAL NOTES SHEET
W1-2L	264+95	W1-2						X	12	7	YELLOW	LEFT HORIZONTAL CURVE							MOUNTED ABOVE W12-P
W13-1P	264+95	W13-1P						X	12	7	YELLOW	ADVISORY SPEED							MOUNTED BELOW W1-2L
W1-2L	265+00	W1-2	X						12	7	YELLOW	LEFT HORIZONTAL CURVE	30	30	6.25	1	2½T	14	MOUNTED ABOVE W1-8L
W1-8L	265+00	W1-8	X						12	7	YELLOW	CHEVRON ALIGNMENT	18	24	3	-	-	-	MOUNTED BELOW W1-2L
W1-8L	265+85	W1-8						X	12	7	YELLOW	CHEVRON ALIGNMENT							
W1-8L	266+60	W1-8	X						12	7	YELLOW	CHEVRON ALIGNMENT	18	24	3	1	2S	11	
W1-8L	266+98	W1-8						X	12	7	YELLOW	CHEVRON ALIGNMENT							
W1-8L	267+05	W1-8						X	12	7	YELLOW	CHEVRON ALIGNMENT							
W8-103	267+96	W8-103						X	12	7	YELLOW	DO NOT ENTER WHEN FLOODED							
W1-8L	268+11	W1-8						X	12	7	YELLOW	CHEVRON ALIGNMENT							
W1-8L	268+20	W1-8	X						12	7	YELLOW	CHEVRON ALIGNMENT	18	24	3	1	2S	11	
W1-8L	269+27	W1-8						X	12	7	YELLOW	CHEVRON ALIGNMENT							
W1-8L	269+80	W1-8	X						12	7	YELLOW	CHEVRON ALIGNMENT	18	24	3	1	2S	11	
W1-8L	270+38	W1-8						X	12	7	YELLOW	CHEVRON ALIGNMENT							
W1-8L	271+40	W1-8	X						12	7	YELLOW	CHEVRON ALIGNMENT	18	24	3	1	2S	11	
W1-8L	271+49	W1-8						X	12	7	YELLOW	CHEVRON ALIGNMENT							
W1-8L	272+59	W1-8						X	12	7	YELLOW	CHEVRON ALIGNMENT							
OM3-R	272+72	OM3	X						12	7	YELLOW	OBJECT MARKER	12	36	-	-	-	-	SEE SIGNING GENERAL NOTES SHEET
W1-8L	273+00	W1-8	X						12	7	YELLOW	CHEVRON ALIGNMENT	18	24	3	1	2½T	12	MOUNTED ABOVE OM3-L
OM3-L	273+00	OM3	X						12	7	YELLOW	OBJECT MARKER	12	36	-	-	-	-	SEE SIGNING GENERAL NOTES SHEET
OM3-R	273+75	OM3	X						12	7	YELLOW	OBJECT MARKER	12	36	-	-	-	-	SEE SIGNING GENERAL NOTES SHEET
OM3-L	274+20	OM3	X						12	7	YELLOW	OBJECT MARKER	12	36	-	-	-	-	SEE SIGNING GENERAL NOTES SHEET
W1-8L	274+60	W1-8	X						12	7	YELLOW	CHEVRON ALIGNMENT	18	24	3	1	2S	11	
W1-8L	274+80	W1-8						X	12	7	YELLOW	CHEVRON ALIGNMENT							
W1-8L	275+91	W1-8						X	12	7	YELLOW	CHEVRON ALIGNMENT							
W1-8L	276+20	W1-8	X						12	7	YELLOW	CHEVRON ALIGNMENT	18	24	3	1	2S	11	
W1-8L	277+00	W1-8						X	12	7	YELLOW	CHEVRON ALIGNMENT							
W8-103	277+00	W8-103						X	12	7	YELLOW	DO NOT ENTER WHEN FLOODED							
W1-2R	277+34	W1-2						X	12	7	YELLOW	RIGHT HORIZONTAL CURVE							MOUNTED ABOVE W13-1P
W13-1P	277+34	W13-1P						X	12	7	YELLOW	ADVISORY SPEED							MOUNTED BELOW W1-2R
W1-2R	277+49	W1-2	X						12	7	YELLOW	RIGHT HORIZONTAL CURVE	30	30	6.25	1	2½S	11	
W1-8L	278+13	W1-8						X	12	7	YELLOW	CHEVRON ALIGNMENT							
W1-8L	279+40	W1-8	X						12	7	YELLOW	CHEVRON ALIGNMENT	18	24	3	1	2S	11	
W1-8L	281+00	W1-8	X						12	7	YELLOW	CHEVRON ALIGNMENT	18	24	3	1	2S	11	
W1-8L	282+60	W1-8	X						12	7	YELLOW	CHEVRON ALIGNMENT	18	24	3	1	2S	11	
W8-5	281+40	W8-5	X						12	7	YELLOW	SLIPPERY WHEN WET	30	30	6.25	1	2½S	11	
W8-5	281+40	W8-5						X	12	7	YELLOW	SLIPPERY WHEN WET							
W1-8L	282+60	W1-8	X						12	7	YELLOW	CHEVRON ALIGNMENT	18	24	3	1	2S	11	
W14-3	284+25	W14-3						X	12	7	YELLOW	NO PASSING ZONE							
W14-3	284+25	W14-3	X						12	7	YELLOW	NO PASSING ZONE	48	36	6	2	2½S	25	
W1-4	286+74	W1-4						X	12	7	YELLOW	REVERSE CURVE							

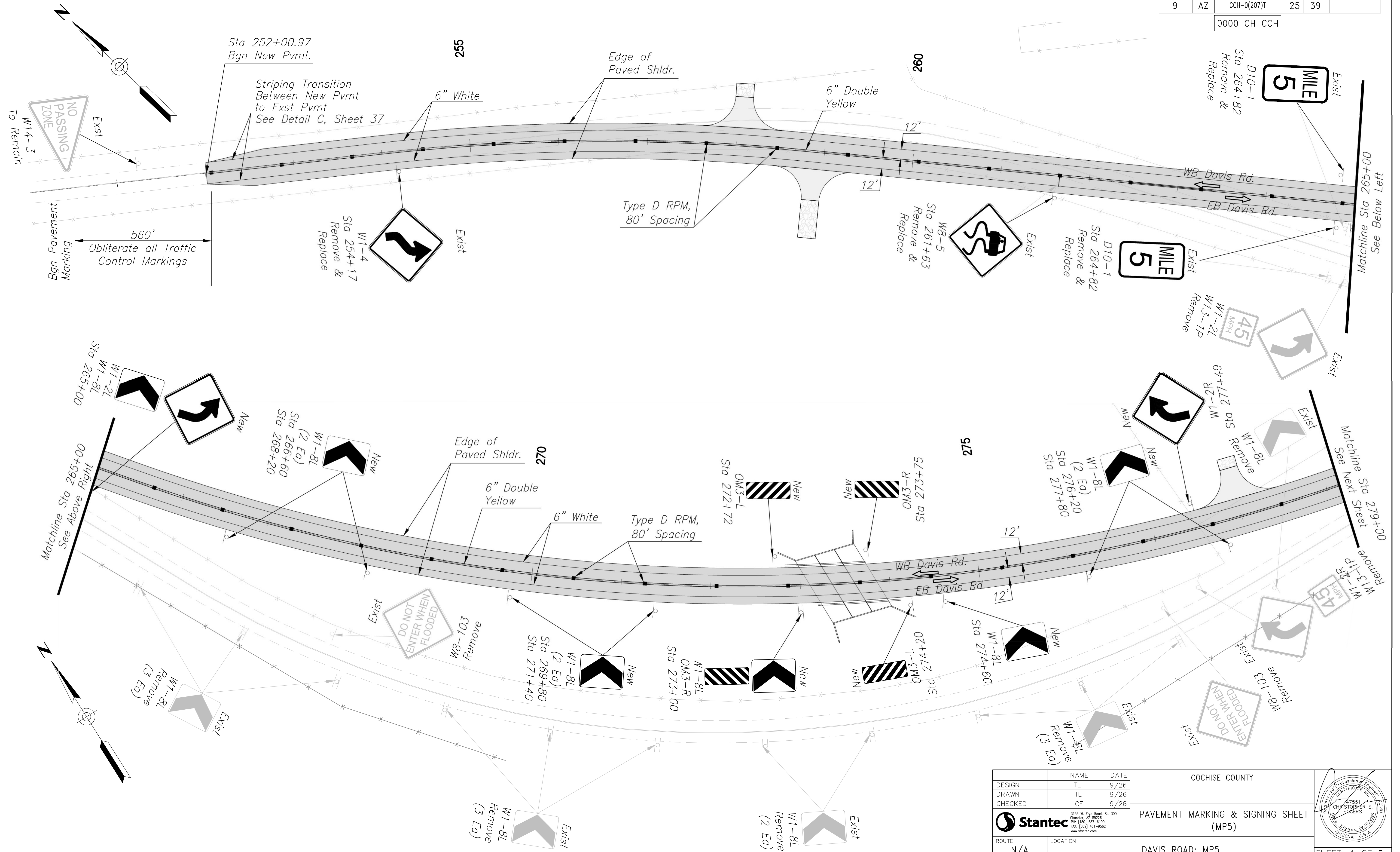
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEET	AS BUILT
9	AZ	CCH-0(207)T	24	39	
		0000 CH CCH			

DESIGN	NAME	DATE	COCHISE COUNTY			
DRAWN	TL	9/26				
CHECKED	CE	9/26				
 Stantec			SIGNING SUMMARY SHEET			
ROUTE	LOCATION		DAVIS ROAD; MP5			
N/A						
TRACS NO. T0497 01C			SHEET 3 OF 5			
			OF			



F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEET	AS BUILT
9	AZ	CCH-0(207)T	25	39	

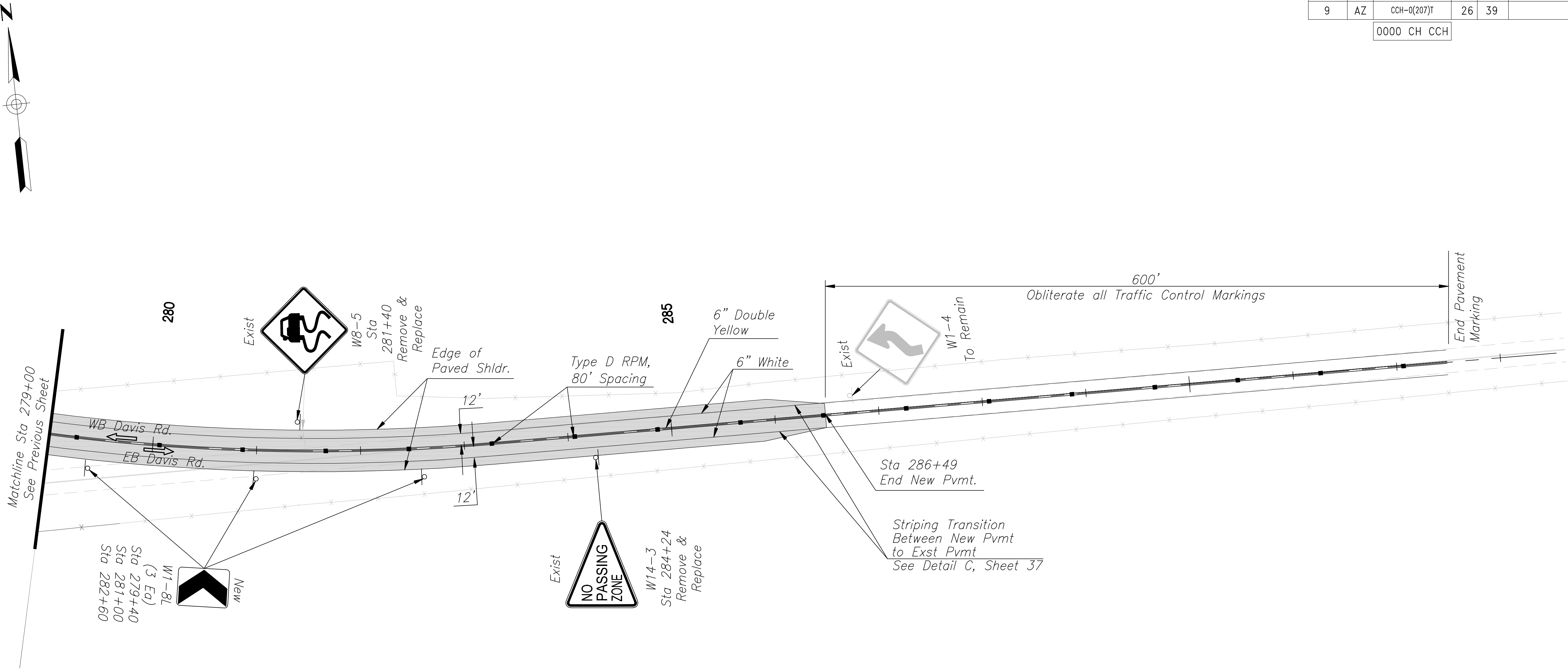
0000 CH CCH



		COCHISE COUNTY		
NAME	DATE			
DESIGN	TL	9/26		
DRAWN	TL	9/26		
CHECKED	CE	9/26		
 Stantec 3133 W. Frye Road, St. 300 Chandler, AZ 85226 PH: (480) 687-8100 FAX: (602) 431-9562 www.stantec.com		PAVEMENT MARKING & SIGNING SHEET (MP5)		
ROUTE	LOCATION	DAVIS ROAD; MP5		SHEET 4 OF 5
N/A				OF
TRACS NO. T0497 01C				

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEET	AS BUILT
9	AZ	CCH-0(207)T	26	39	

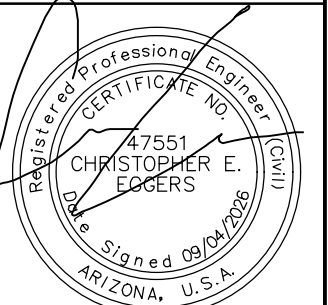
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DESIGN	NAME	DATE	COCHISE COUNTY	
DRAWN	TL	9/26	PAVEMENT MARKING & SIGNING SHEET (MP5)	
CHECKED	CE	9/26		
ROUTE	LOCATION	DAVIS ROAD; MP5		SHEET 5 OF 5
N/A				OF
TRACS NO. T0497 01C				



3133 W. Frye Road, Ste. 300
Chandler, AZ 85226
PH: (480) 967-6100
FAX: (480) 431-5962
www.stantec.com



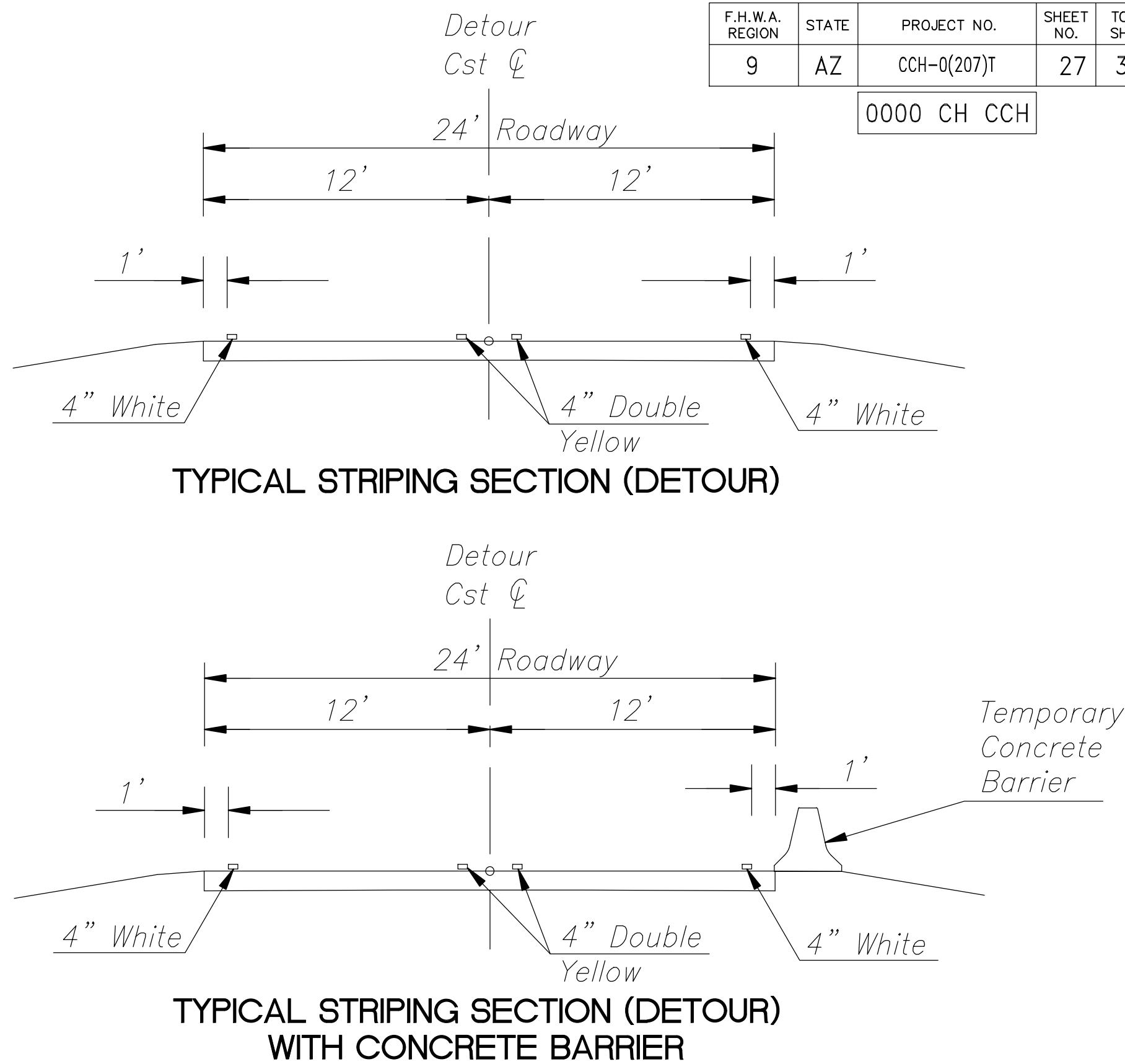
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DATE	---
LOCATION	---
REVISIONS	---
FINISHED PLANS	---
SURVEY NO.	---
DATE	---
LOCATION	---
REVISIONS	---
FINISHED PLANS	---
SURVEY NO.	---

TRAFFIC CONTROL NOTES

1. Adjustments to the details of these traffic control plans and requirements may be necessary due to construction activities, as directed by the Engineer.
2. All existing signs in conflict with the construction signs shall be removed, relocated, or covered in place, as directed by the Engineer. The contractor shall store and reinstall items which have been removed or relocated in a manner approved by the Engineer.
3. The retro-reflective sheeting on all construction signs shall meet criteria established in Section 1007 of the Specifications.
4. All signs shown on the plans shall be mounted on embedded posts. For signs installed on embedded posts, signs mounting height is a minimum of 7 feet as measured from the bottom of the sign to the near edge of the pavement. All other short-term signs may be installed on spring stands one foot above the pavement.
5. The nearest edge or corner of a sign shall be approximately 12 feet from the nearest edge of pavement for all signs mounted on embedded posts.
6. Flags shall be mounted on top of all construction signs except the "END ROAD WORK THANK YOU" sign. Type A flashing warning lights shall be required on all nighttime construction signs except the "END ROAD WORK THANK YOU" sign.
7. Channeling devices shall be placed 40 feet O.C. in tapers and 80 feet O.C. on tangents, except as otherwise noted on plans.
8. The contractor may substitute Type I barricades for Type II barricades as long as the reflective area on the top panel of the Type I barricades is equivalent or greater than the reflective area of Type II barricade.
9. A Type C steady-burning yellow light shall be mounted on every barrier on tapers and alternating barrier along tangent sections.
10. Construction signs shall not be displayed to traffic more than 24 hours prior to the actual start of construction. These signs may be installed sooner but they must be covered or turned away from traffic. The cost for covering or turning them shall be considered part of the sign installation cost. No further compensation will be made. These signs shall be removed within 24 hours after the completion of construction activities.
11. When traffic control devices are not in use, they shall be moved at least 30 feet from the roadway.
12. The contractor shall maintain two-way traffic on Davis Road at night, on weekends, on holidays, and as directed by the Engineer.
13. The Traffic Control Plans represent a suggested method for traffic control during construction. The contractor may prepare another traffic control plan in accordance with Section 701 of the Specifications. All Traffic Control Plans are subject to the approval of the Engineer before beginning construction.
14. All construction signs shall have black letters on an orange background, except as otherwise noted.
15. Speed limit signing is preliminary and is subject to review and change by the engineer as dictated by field condition.
16. Type III barricades shall be placed across each roadway to be closed. A 48x30 inch "ROAD CLOSED" sign, as appropriate, shall be attached to one of the Type III barricades closing the roadway. A

- type A flashing warning light shall be mounted on each end of each Type III barricade.
17. The contractor shall remove the existing raised pavement markers in connection with the stripe obliteration activities. There shall be no measurement or payment for the removal of the existing raised pavement markers.
18. All drawings are schematic only and not to scale.
19. All stationing listed on the traffic control sheets is based off the Detour stationing unless otherwise stated.
20. The contractor shall contact the Cochise County Highway Dept. (520-432-9310), prior to shifting traffic to the Davis Road detour. County representatives will notify Oversize Vehicle permit applicants of the Davis Road construction and any travel restrictions that may take place. The contractor may need to accommodate oversized loads through the detour and shall coordinate the timing of the loads through the construction site with Cochise County.
21. The contractor shall maintain access to all turnouts throughout the construction duration.
22. The contractor may need to coordinate with adjacent property owners to accommodate potential cattle movement.



F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEET	AS BUILT
9	AZ	CCH-0(207)T	27	39	

0000 CH CCH

APPROXIMATE TRAFFIC CONTROL QUANTITIES						
BID ITEM NO.	ELEMENT OF WORK	UNIT	ADVANCE PROJECT SIGNING	DETOUR CONST.	ROADWAY CONST.	TOTALS
	DURATION	CALENDAR DAYS	180	30	150	---
7010005	MAINTENANCE AND PROTECTION OF TRAFFIC					
	BARRICADE (TYPE 1, TYPE 2, VERTICAL PANEL, TUBULAR MARKER)	EA-DAY	7760		3000	10760
	BARRICADE (TYPE 3, HIGH LEVEL FLAG TREE)	EA-DAY			600	600
	WARNING LIGHT (TYPE A)	EA-DAY	360	360	2100	2820
	WARNING LIGHT (TYPE C)	EA-DAY	7760		3000	10760
	PORTABLE SIGN STAND (SPRING TYPE)	EA-DAY	2160	720	3900	6780
	TEMPORARY SIGN (LESS THAN 10 S.F.)	EA-DAY	360		600	960
	TEMPORARY SIGN (10 S.F. OR MORE)	EA-DAY	720	360	3000	4080
7015010	TEMPORARY CONCRETE BARRIER (INSTALLATION AND REMOVAL)	L. FT.		860		860
7015020	TEMPORARY IMPACT ATTENUATOR (INSTALLATION AND REMOVAL)	EACH		4		4
7015052	OBLITERATE PAVEMENT MARKING (STRIPE)	L. FT.		3440	3440	6880
7015091	SPECIALTY SIGNS	SQ. FT.	68			68
7016020	TEMPORARY CONCRETE BARRIER (IN USE)	L. FT.-DAY		25800		25800
7016021	TEMPORARY IMPACT ATTENUATOR (IN USE)	EA-DAY		120		120
7016067	CHANGEABLE MESSAGE BOARD (CONTRACTOR FURNISHED)	EA-DAY	388			388
7016075	FLAGGING SERVICES (CIVILIAN)	HOUR		600	1500	2100
7016082	FLAGGING SERVICES (LOCAL ENFORCEMENT OFFICER)(WITH AGENCY VEHICLE)	HOUR		300	1500	1800
7080201	WATERBORNE-TYPE I PAVEMENT MARKING (PAINTED) (WHITE)	L. FT.		9624	14196	23820
7080202	WATERBORNE-TYPE I PAVEMENT MARKING (PAINTED) (YELLOW)	L. FT.		9624	14196	23820

DESIGN	NAME	DATE	COCHISE COUNTY			
DRAWN	TL	9/26				
CHECKED	CE	9/26				
Stantec 3133 W. Frye Road, Ste. 300 Chandler, AZ 85226 PH: (480) 967-6100 FAX: (602) 431-9562 www.stantec.com			TRAFFIC CONTROL SHEET GENERAL NOTES			
ROUTE	LOCATION					
N/A	DAVIS ROAD; MP5					
TRACS NO. T0497 01C				SHEET 1 OF 5 __OF__		

Professional Engineer
CERTIFICATE NO. 47551
CHRISTOPHER E. EGGERS
Signed & Sealed
ARIZONA, U.S.A.

\\u003d010-projects\1\shared_projects\1817250033\700_road\sheet_files\001_08_Traffic_Control_advance_warning.dwg
User: Travis
Date: 8/17/2023 2:12:54 PM
Plot: 8-17-2023 2:12:54 PM

DATE: LOCATION: REVISIONS: FINISHED PLANS: SURVEY NO. DATE: LOCATION: REVISIONS: FINISHED PLANS: SURVEY NO.

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEET	AS BUILT
9	AZ	CCH-0(207)T	28	39	

0000 CH CCH

1

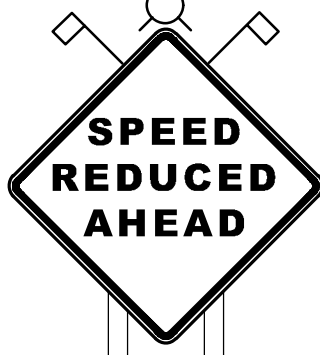
Warning Light
Type A



W20-1bAZ
48"x48"
Black on Orange

2

Warning Light
Type A



W3-5aAZ
48"x48"
Black on Orange

3

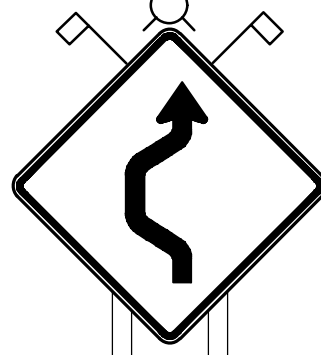
Warning Light
Type A



W20-1dAZ
48"x48"
Black on Orange

4

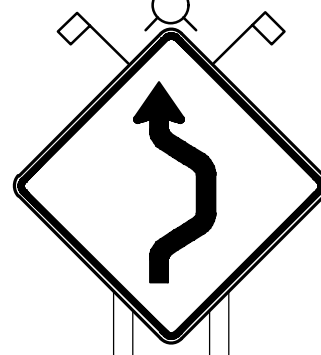
Warning Light
Type A



W24-1L
48"x48"
W13-1
24"x24"
Black on Orange

5

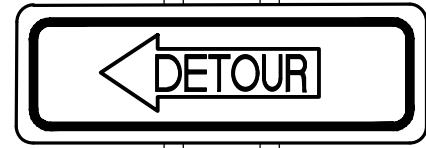
Warning Light
Type A



W24-1L
48"x48"
W13-1
24"x24"
Black on Orange

6

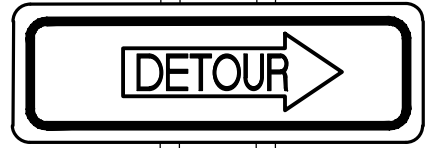




R11-2
48"x30"
Black on White
M4-10L
48"x18"
Black on Orange

7





R11-2
48"x30"
Black on White
M4-10R
48"x18"
Black on Orange

8

Warning Light
Type A



R2-1
36"x48"
Black on White

9



G20-2AZ
48"x36"
Black on Orange

10

Warning Light
Type A



W20-1
48"x48"
W16-3A
30"x12"
Black on Orange

11

Warning Light
Type A



W20-1
48"x48"
W16-3A
30"x12"
Black on Orange

14

Warning Light
Type A



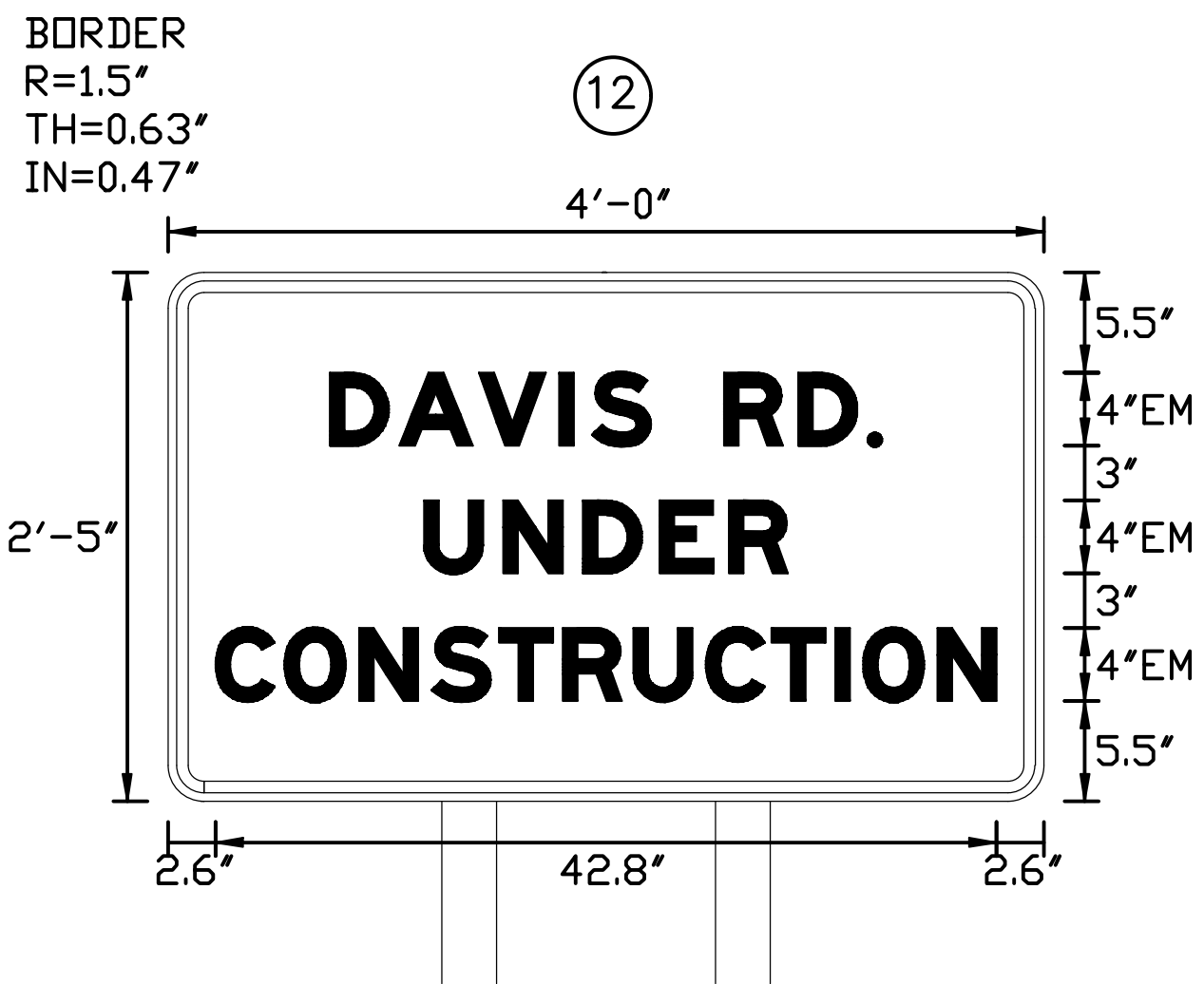
R2-1
36"x48"
Black on White

15

Warning Light
Type A

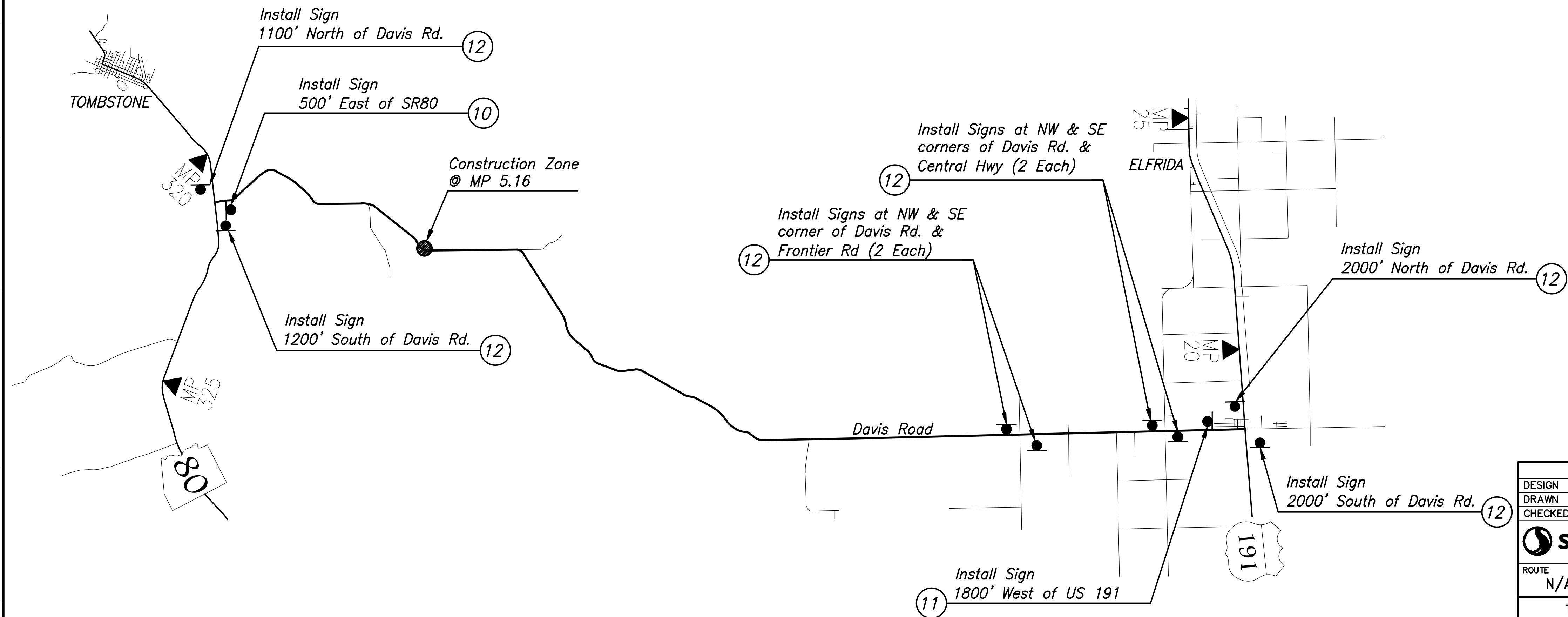


R2-1
36"x48"
Black on White



CONSTRUCTION SIGN
Speciality Sign
48"x29"
Black on Orange

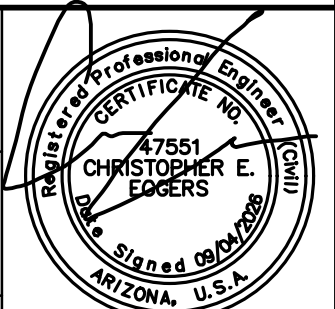
SIGN LEGEND



Note:
The number 10, 11, 12, and 13
signs shall remain in place for
the duration of the project.

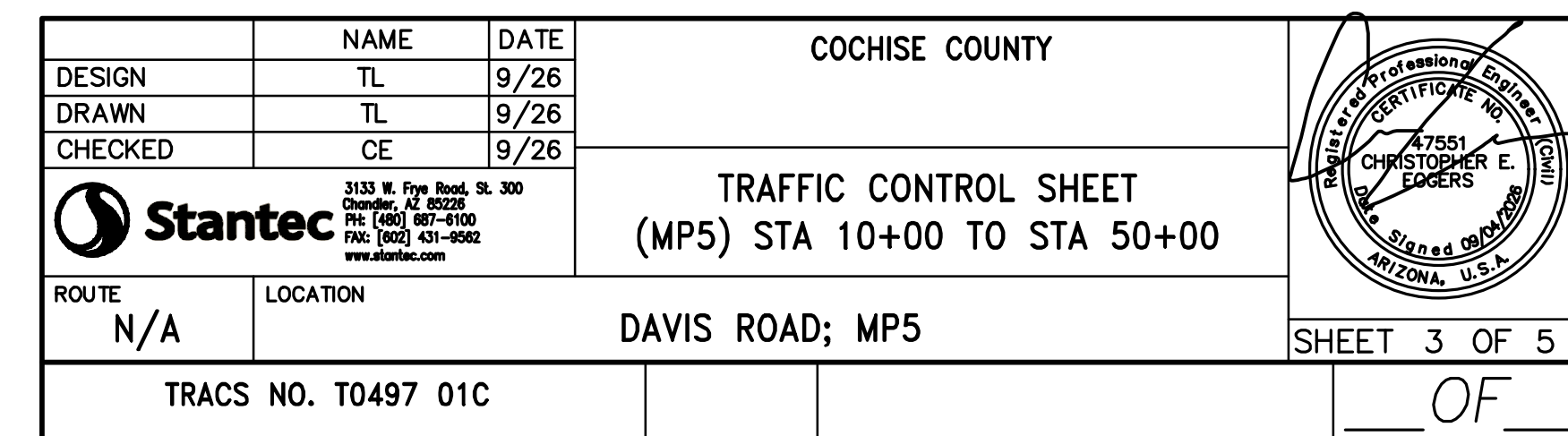
ADVANCE WARNING SIGNAGE

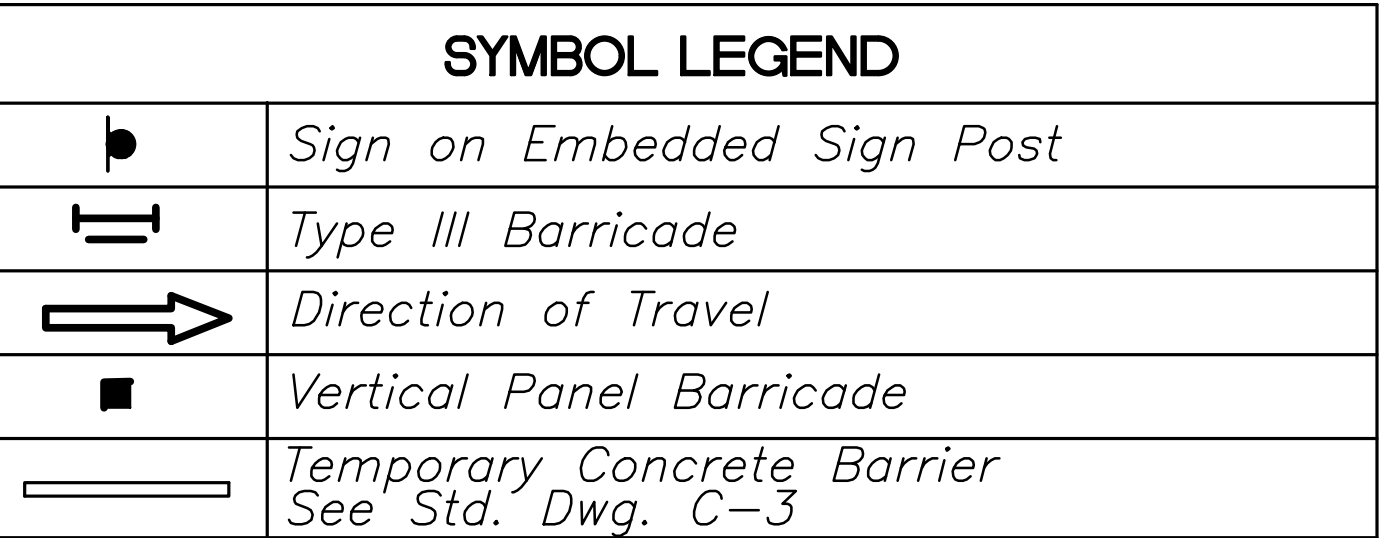
DESIGN	NAME	DATE	COCHISE COUNTY
DRAWN	TL	9/26	
CHECKED	CE	9/26	
ROUTE	LOCATION	DAVIS ROAD; MP5	TRAFFIC CONTROL SHEET DETAILS
N/A			
TRACS NO. T0497 01C			SHEET 2 OF 5
			OF



0000 CH CCH

Pavement Legend

 Existing Davis Rd, to Remain During Construction of New Davis Rd Pavement.

0000 CH CCH

Pavement Legend

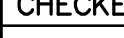
 Davis Rd Detour pavement.

 *New Davis Rd pavement.*

 Existing Davis Rd, to remain during construction of New Davis Rd pavement.

Maintenance of Traffic Activity Table			
Activity No.	Construction Activity	Traffic Control	Comments
1	Install Advance Warning Signs	During sign installation, traffic control shall be per Figure 6P-4 of the MUTCD. See Sheet 28 of 39 for Advance Warning Signage locations.	Signs are to remain during the duration of the project, unless otherwise directed by the Engineer. Provide changeable message boards (cmb), support trailer and ten Type II barricades surrounding each cmb per Figure SA-15 of the ADOT TCDG
2	Phase 1 Close Eastbound shoulder on Davis Rd. and construct detour road. Obliterate striping to detour road and install signage for detour road.	Close shoulder near detour access points per Figure 6P-5 of the MUTCD. Install detour road per sheets 20 and 21 of 39.	Maintain access to gates throughout the project. Cover all conflicting signage on Davis Road
3	Phase 2 Relocate Davis Road thru traffic to detour road. Mill existing Davis Road pavement outside limits of detour road.	See sheet 29 and 30 of 39 for traffic control of detour road.	Maintain access to gates throughout the project.
4	Phase 3 Construct drainage channel and install bridge structure. Construct new alignment of Davis Road Install final signage Install interim pavement markings	Maintain traffic control for detour road.	Maintain access to gates throughout the project.
5	Phase 4 Relocate Davis Road traffic onto new alignment Remove Detour Road	Close shoulder near detour road access points per Figure 6P-5 of the MUTCD.	
6	Install Final Pavement Markings		

MP5 TRAFFIC CONTROL

		NAME		DATE		COCHISE COUNTY			
DESIGN		TL		9/26		TRAFFIC CONTROL SHEET (MP5) STA 50+00 TO STA 58+11			
DRAWN		TL		9/26					
CHECKED		CE		9/26					
 Stantec 3133 W. Frye Road, Ste. 300 Chandler, AZ 85226 PHX (480) 867-9100 FAX (480) 431-6662 www.stantec.com									
ROUTE		LOCATION							
N/A		DAVIS ROAD; MP5							
TRACS NO. T0497 01C								SHEET 4 OF 5	
								OF	

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07/17/2025 2:12:58 PM J-Rail 1050 Std Surface.dwg

DATE--	LOCATION--	REVISIONS--	FINISHED PLANS--	SURVEY NO.	DATE--	LOCATION--	REVISIONS--	FINISHED PLANS--	SURVEY NO.
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CONTROL MEASURE INDEX SHEET (CMIS)

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEET	AS BUILT
9	AZ	CCH-0(207)T	31	39	

0000 CH CCH

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

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

I. PROJECT DESCRIPTION

A. Owner Name and Address:

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

B. Project TRACS Number: 0000 CH CCH T0497 01C

C. Project Name/Location (be consistent with the plan set cover sheet): MILEPOST 5 MARKERS

City: County: COCHISE

Beginning Latitude (NAD 83): 31°40'18"

Beginning Longitude (NAD 83): 109°59'46"

Ending Latitude (NAD 83): 31°40'21.20

Ending Longitude (NAD 83): 109°59'50.72

To obtain the project latitude/longitude data, refer to the Flash Earth web link below (Bing Maps with labels):

<http://www.flashearth.com/>

D. Project Description: DAVIS ROAD DRAINAGE IMPROVEMENT (ROADWAY RE–ALIGNMENT, CULVERT CROSSINGS, AND DETENTION BASIN)

II. HYDROLOGIC INFORMATION

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

Percentage before Construction: 24%

Percentage after Construction: 28%

B. Receiving Water(s), refer to the plan set cover sheet and the NHD Plus HR Availability Map Web Link below:

<https://usgs.maps.arcgis.com/apps/MapTools/index.html?appid=41a5c2ca49bd4a83b239450e61022d53>

(If unnamed, state as unnamed)

III. SOIL STABILIZATION MEASURES

- ☒ All disturbed soil, which will not be paved, ripped or otherwise covered to prevent erosion, will be revegetated and/or landscaped in accordance with the project plans and specifications.

IV. MEASURES TO CONTROL STORMWATER AND AIR QUALITY

A. Temporary Stormwater and Air Quality Control Measures (CMs) / Best Management Practices (BMPs)

- ☐ Temporary Diversion Dikes
☐ Temporary Rock Check Dams
☐ Stabilized Construction Entrance/Exit Gravel Pad
☐ Soil Stabilizer for Wind Erosion and Dust Control
☒ Rock Inlet/Outlet Protection
☐ Sediment Control Berms
☐ Silt Fences
☒ Wattles (Excelsior/Straw/Compost)
☐ Excelsior Logs / Sediment Logs
☐ Erosion Control Mattings
☐ Seeding (Class II with final mulch cover)
☐ Gravelbag
☐ Catch Basin Temporary Fabric Filter
☐ Designated Washout Areas
☐ Protected Chemical and Material Storage Area
☐ Equipment Maintenance Procedures
☒ Others Describe: GRAVEL BAGS, STABILIZED CONSTRUCTION ENTRANCE/EXIT

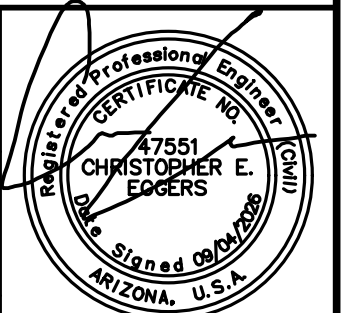
B. Permanent and Post-construction Stormwater and Air Quality Control Measures (CMs) / Best Management Practices (BMPs):

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

☐ Others Describe:

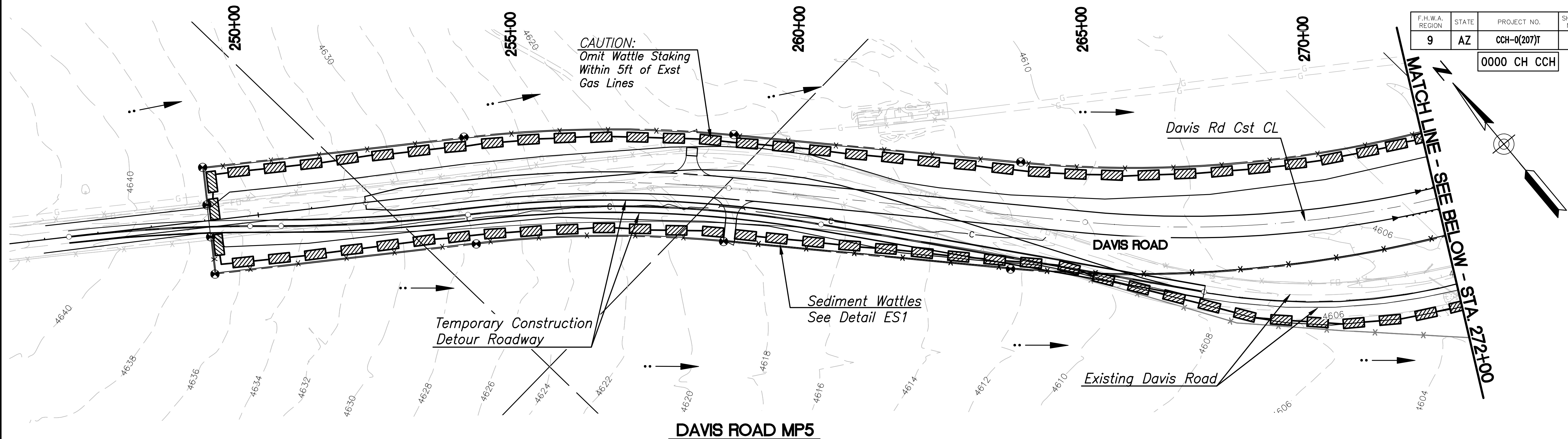
** Track and report to ADOT EP Water Resources Management:

ADOTWater@azdot.gov

DESIGN	NAME	DATE	COCHISE COUNTY		
DRAWN	TL	9/26	AZPDES SWPPP INDEX SHEET		
CHECKED	CE	9/26			
ROUTE		LOCATION		SHEET 1 OF 5	
N/A		DAVIS ROAD; MP5			
TRACS NO. T0497 01C					

\\ad210-apr\proj\1\shared\proj\191726033\702_cadd\work_files\0102_SMP5.16.dwg
User: jtravis Date: 7/17/2008 2:12:26 PM 8-1/2" Plot Size: 36" x 24"

REVISIONS--	FINISHED PLANS--	LOCATION--	DATE--	SURVEY NO.	REVISIONS--	FINISHED PLANS--	LOCATION--	DATE--

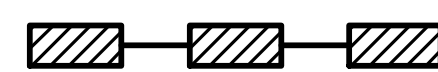


F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEET	AS BUILT
9	AZ	CCH-0(207)T	32	39	

0000 CH CCH

DAVIS ROAD MP5

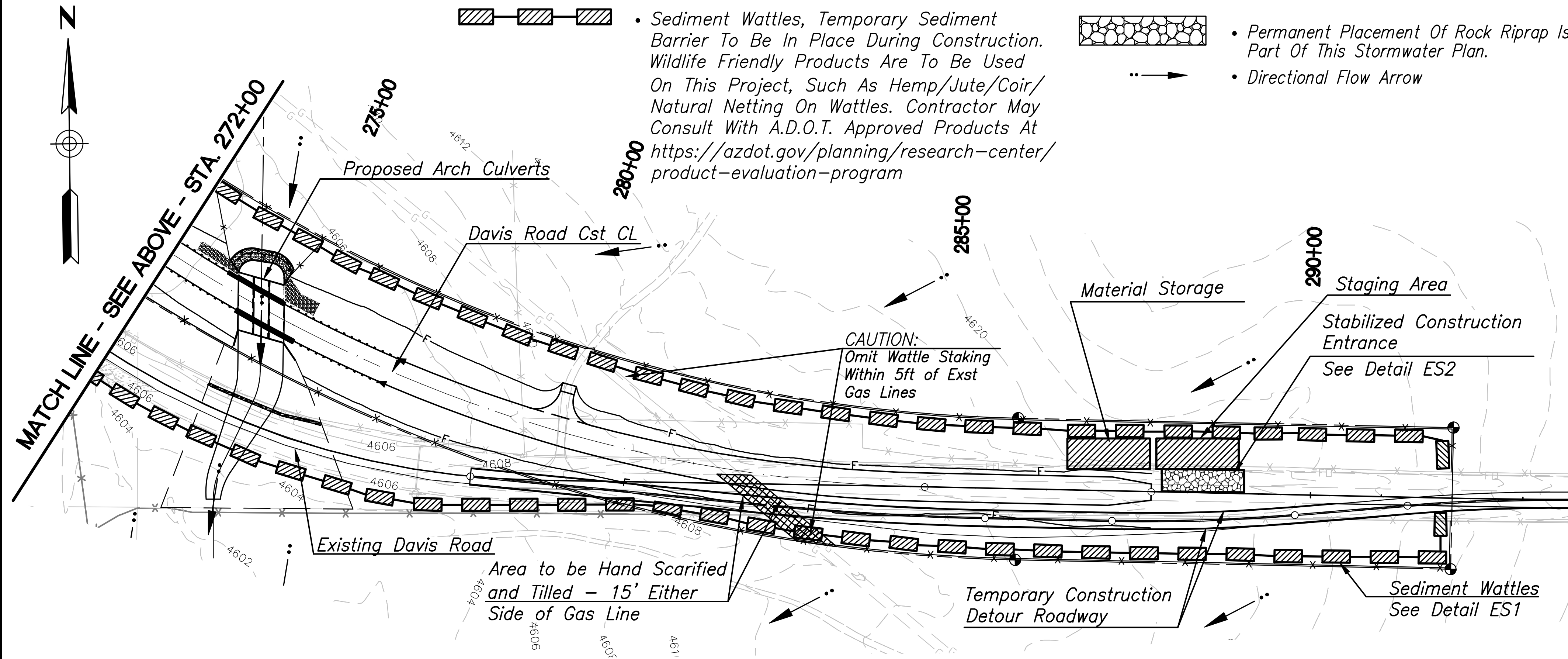
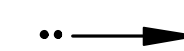
LEGEND:



- Sediment Wattles, Temporary Sediment Barrier To Be In Place During Construction. Wildlife Friendly Products Are To Be Used On This Project, Such As Hemp/Jute/Coir/Natural Netting On Wattles. Contractor May Consult With A.D.O.T. Approved Products At <https://azdot.gov/planning/research-center/product-evaluation-program>



- Permanent Placement Of Rock Riprap Is a Part Of This Stormwater Plan.
- Directional Flow Arrow



DAVIS ROAD MP5

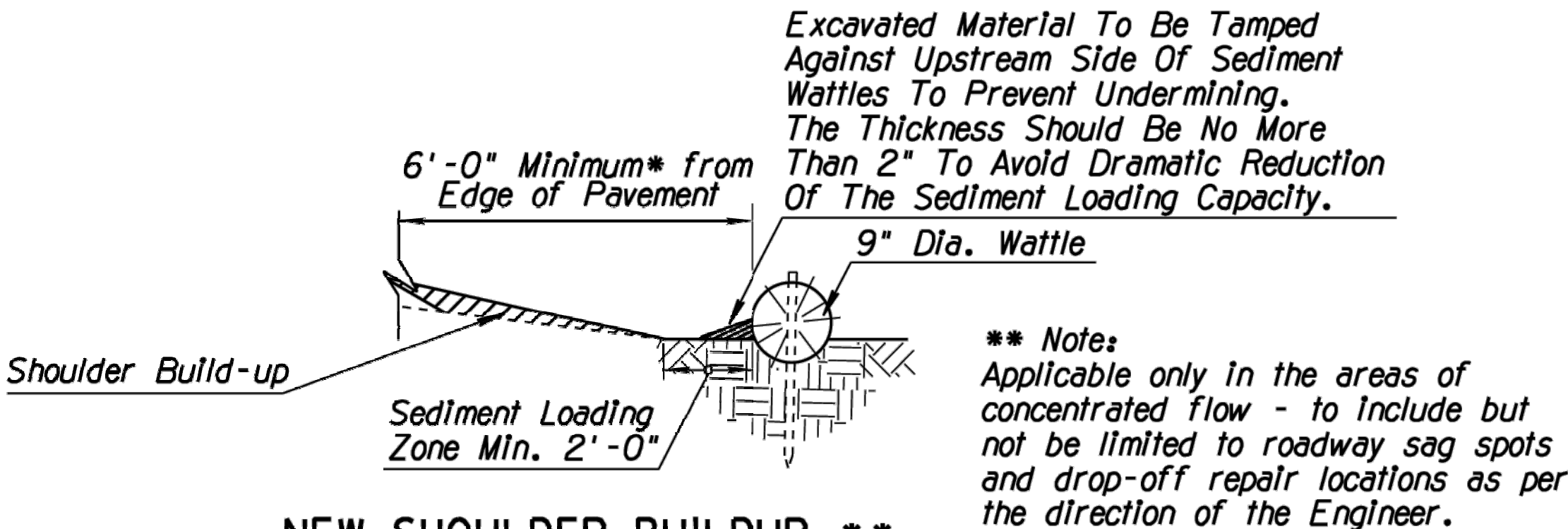
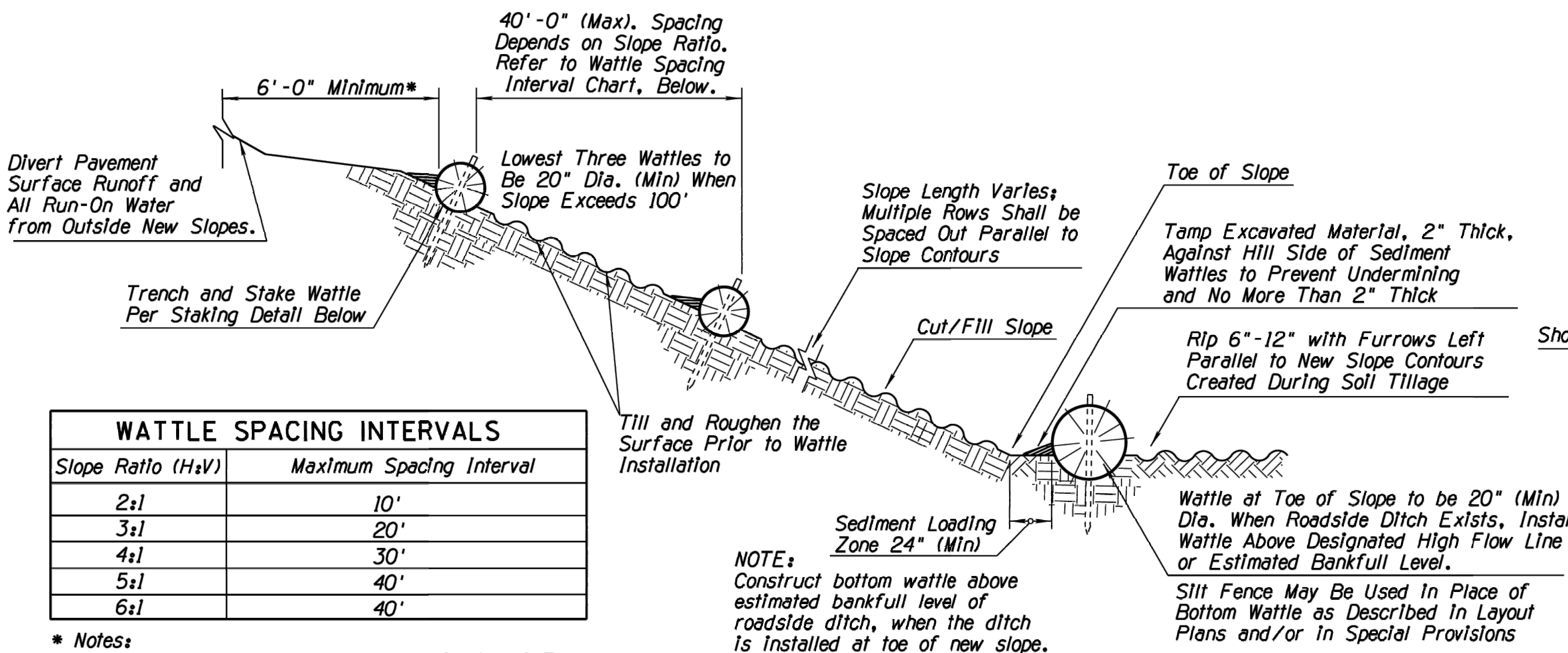
NOTES:

- Payment For The Erosion Control Wattles Will be Per Bid Item 8101021 (8,700 LF @ MP5.16)
- It Is The Responsibility Of The Owner/Contractor To Implement The Stormwater Plan.
- Stormwater Plans Best Management Practices To Be Installed Per ADOT ADOT Erosion And Pollution Control Manual, Latest Edition.
- No Water Impoundments Will Be Created For The Purposes Of Construction. If a Poned Area is Formed Accidentally During Construction, It Shall Be Dewatered Immediately To Avoid Attracting Amphibians To The Work Area.
- Impounded Water Areas That Form Naturally Within The Project Area Will Not Be Dewatered At Any Time.
- All Soil Disturbance Areas Including Cut And Fill Areas, Access Construction Haul Routes, Temporary Detour Route Staging And Material Storage Areas And Abandoned Roadway Shall Be Seeded Per Specifications.
- Abandoned Roadway Prism And Temporary Detour Route Shall Be Tilled To A Minimum Depth Of 12" In Two Directions Perpendicular To One Another. Finished Surface Grade To Match Existing Topography--See Detail "C" Sht. 7.

DESIGN	NAME	DATE	COCHISE COUNTY
DRAWN	TL	9/26	
CHECKED	CE	9/26	
 Stantec			EROSION CONTROL PLAN (MP5.16) STA 246+00.00 TO STA 294+00
ROUTE	LOCATION	DAVIS ROAD; MP5	
N/A			
TRACS NO. T0497 01C			SHEET 2 OF 5 OF

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEET	AS BUILT
9	AZ	CCH-0(207)T	33	39	

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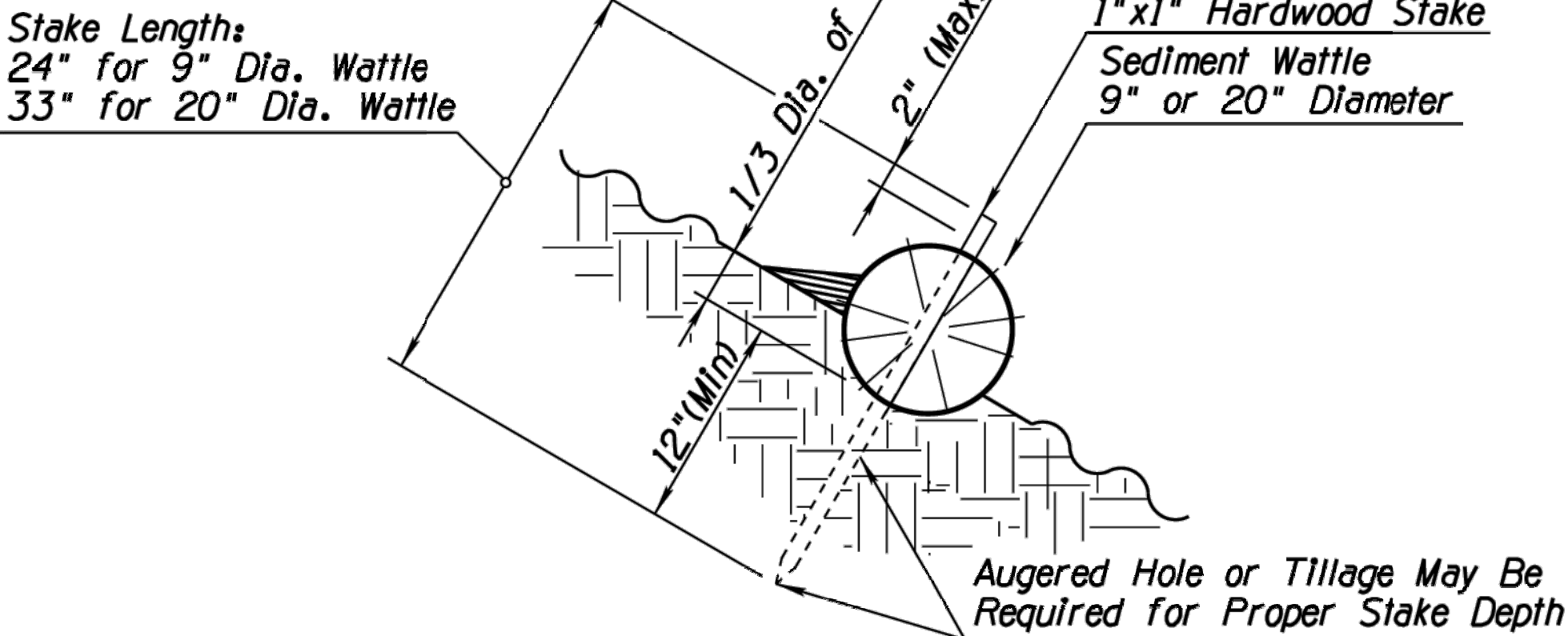


NEW SHOULDER BUILDUP ** PROTECTION SECTION (NTS)

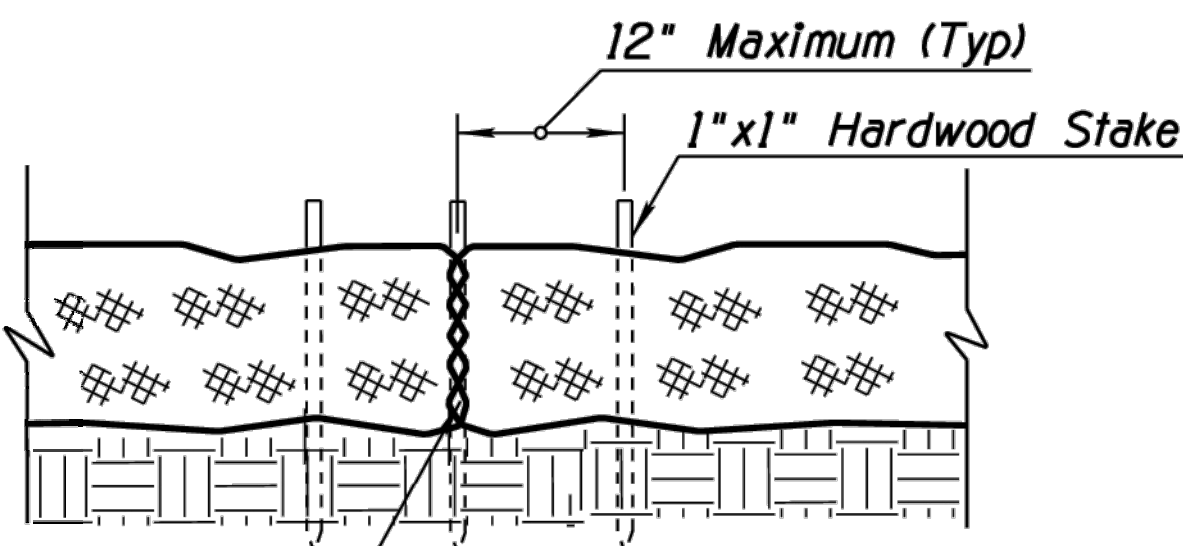
NOTES:

1. Install Sediment Wattles as slopes are constructed to grade or as directed by the Engineer. Select, Install and maintain in conformance with manufacturers' specifications to meet site conditions for slope protection and in accordance with good engineering practices. No Sediment Wattles shall be installed in urban freeway medians, nor where cable barrier systems are employed.
2. Sediment Wattles shall be in continuous contact with trench bottom and sides. Do not overlap wattle ends on top of each other. A 20" Dia. wattle may be made from 2-3 rolled excelsior or straw blankets.
3. Butt adjoining wattles tightly against each other. Drive the first end stake of the second wattle at an angle toward the first wattle to help abut them tightly.
4. Repair any rills or gullies promptly. Make field adjustments and corrections of Wattle CM/BMP immediately if it is causing flooding, erosion, and/or affecting roadway safety.
5. Construction of cut slopes 2:1 and steeper in soil and rock materials that can be ripped shall be constructed, whenever possible, by Minibenching. Refer to Slope Minibenching CM/BMP Detail.
6. Loosening surface soil is not required where Minibenches are used. For seeded areas, tillage shall be performed to form minor ridges and furrows parallel to new slope contours and as specified in Section 805 of the Specifications and project special provisions.
7. Divert and direct run-on water from outside of the slopes to the spillways and/or rock riprap/rock mulch. Diversion dikes and/or ditches are necessary on natural undisturbed slopes beyond the top limits of new slopes to divert run-on water.
8. Installation and maintenance of Sediment Wattle CMs/BMPs shall not negatively impact traffic safety, nor the designed function of roadway or bridge drainage facilities.
9. Install and maintain Sediment Wattle CMs/BMPs to carry the stormwater of at least 2-year, 24-hour events.
10. The Sediment Wattle CM/BMP's pay/bid item shall include all materials used for this CM/BMP: all ground preparation, furnishing, installing, maintenance, final removal, and disposal of this temporary CM/BMP, as well as returning the area to an acceptable condition as approved by the Engineer.
11. Refer to Specification Section 810-2.06(C) for Sediment Wattle material specifications.
12. Make field adjustments and corrections to ensure NO sensitive biological resources (native species / habitats) will be adversely impacted.

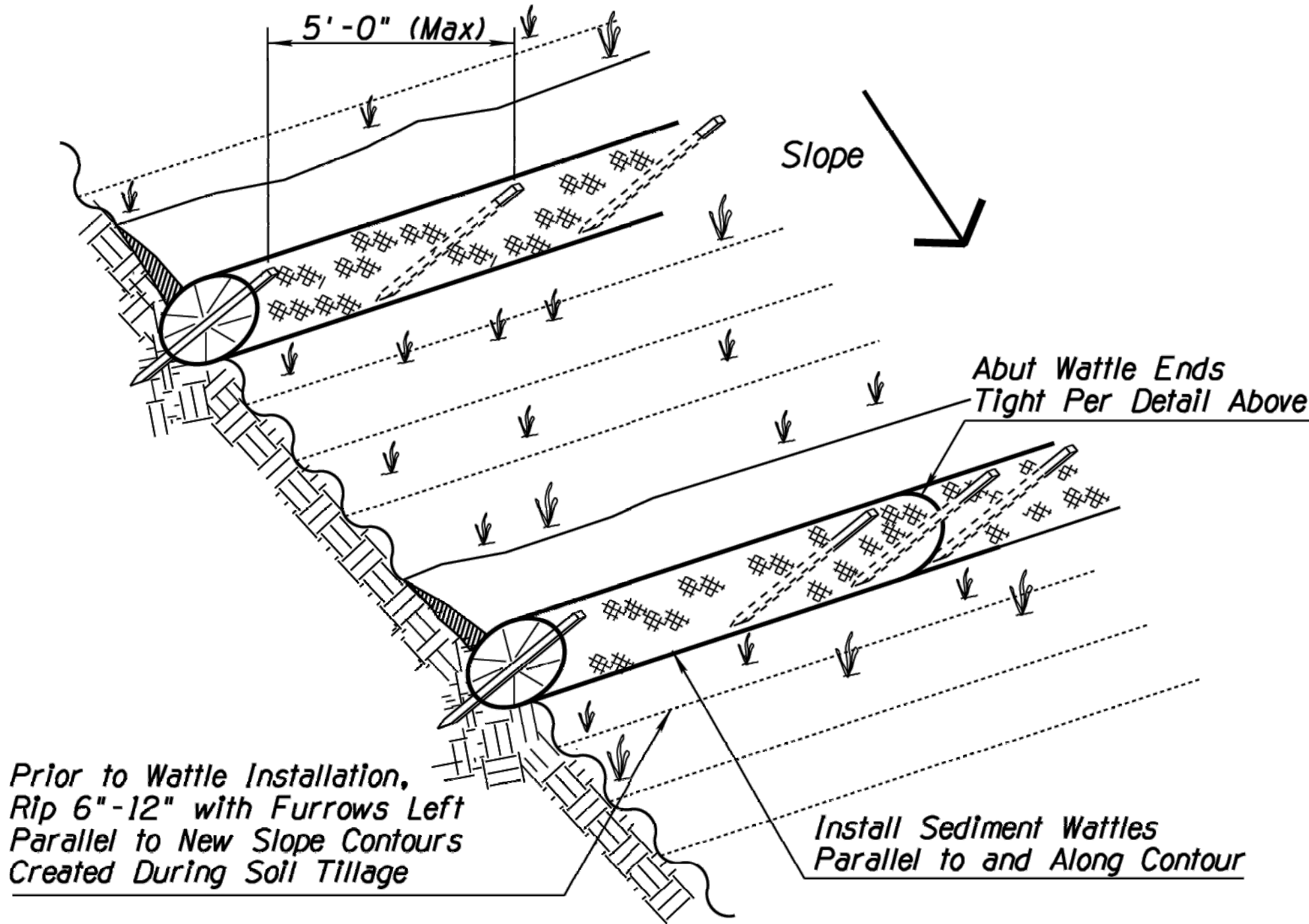
SECTION (NTS)



SEDIMENT WATTLE STAKING DETAIL (NTS)



SEDIMENT WATTLE OVERLAP (NTS)

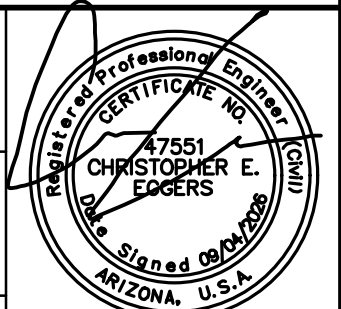


SEDIMENT WATTLE LAYOUT (NTS)

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

DETAIL ES1 SEDIMENT WATTLE

DESIGN	NAME	DATE	COCHISE COUNTY
DRAWN	TL	9/26	
CHECKED	CE	9/26	
2133 W. Fry Road, Ste. 300 Chandler, AZ 85226 PH: (480) 961-9100 FAX: (480) 431-0982 www.stantec.com			
ROUTE	LOCATION	DAVIS ROAD; MP5	
N/A			
TRACS NO. T0497 01C			SHEET 4 OF 5
			OF



\\usd210-apr\ssd\1\shared_projects\191726033\702_cadd\dwg\00102_Sediment-DTL-1.dwg
 User: jtravis Date: 9/17/2008 2:03:56 PM 8-4' full 1050 Std Command: 0

DATE: LOCATION: REVISIONS: FINISHED PLANS: SURVEY NO. DATE: LOCATION: REVISIONS: FINISHED PLANS: SURVEY NO.

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEET	AS BUILT
9	AZ	CCH-0(207)T	34	39	

0000 CH CCH

Existing Roadway
Gradation C Angular Rock Mulch
Installed to a Depth of 6" to 12"

Nonwoven Very High
Survivability
Fabric Beneath
All Aggregate.

EDGE TREATMENT TRENCHING
TYPICAL SECTION (NTS)

NOTES II:

1. Install nonwoven fabric when water is applied for construction vehicle/equipment cleaning on Gravel Pad.
2. Edge treatment trenching and nonwoven fabric shall not be required if NO wash water is used for vehicle/equipment cleaning.
3. The depth of Gravel Pad varies from 6" to 12" based on the necessities of construction vehicle/equipment as per the approval of the Engineer.

* If Required, Install fence/barricade
to direct traffic to Gravel Pad

Gradation C Angular Rock Mulch
Installed to a Depth of 6" to 12"

Install Gravel Pad to be Flush with
Existing and Adjacent Roadway

R=25'

50'-0" Minimum

6" to 12" Thick

Nonwoven Very High Survivability
Fabric Beneath All Aggregate
with Turn-Down Edge - See
Typical Section Detail Above.

Width of Rock Mulch Shall
be Equal to Roadway Entry
or 30'-0" Minimum

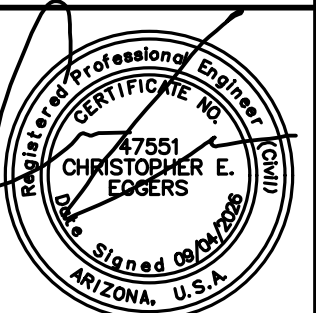
NOTES I:

1. Install Stabilized Construction Entrance/Exit Gravel Pad BMP for traffic entering or exiting a construction site where sedimentation, clay, silt or other pollutants can be tracked onto public roads and/or adjacent water bodies, as approved by the Engineer. It may also be applied for construction entrance/exit wind erosion/dust control, as approved by the Engineer.
2. Locate new Construction Entrance(s)/Exit(s) at appropriate project entrance/exit points as determined in field with the approval of the Engineer. Relocate Stabilized Construction Entrance/Exit Gravel Pad 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 Standard 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 Standard 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 BMP immediately if it is causing flooding and/or affecting roadway safety.
6. When paid separately, the Stabilized Construction Entrance/Exit Gravel Pad BMP's pay/bid item shall include all materials used for this BMP: all ground preparation, furnishing, installing, final removal, and disposal of this temporary 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 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)

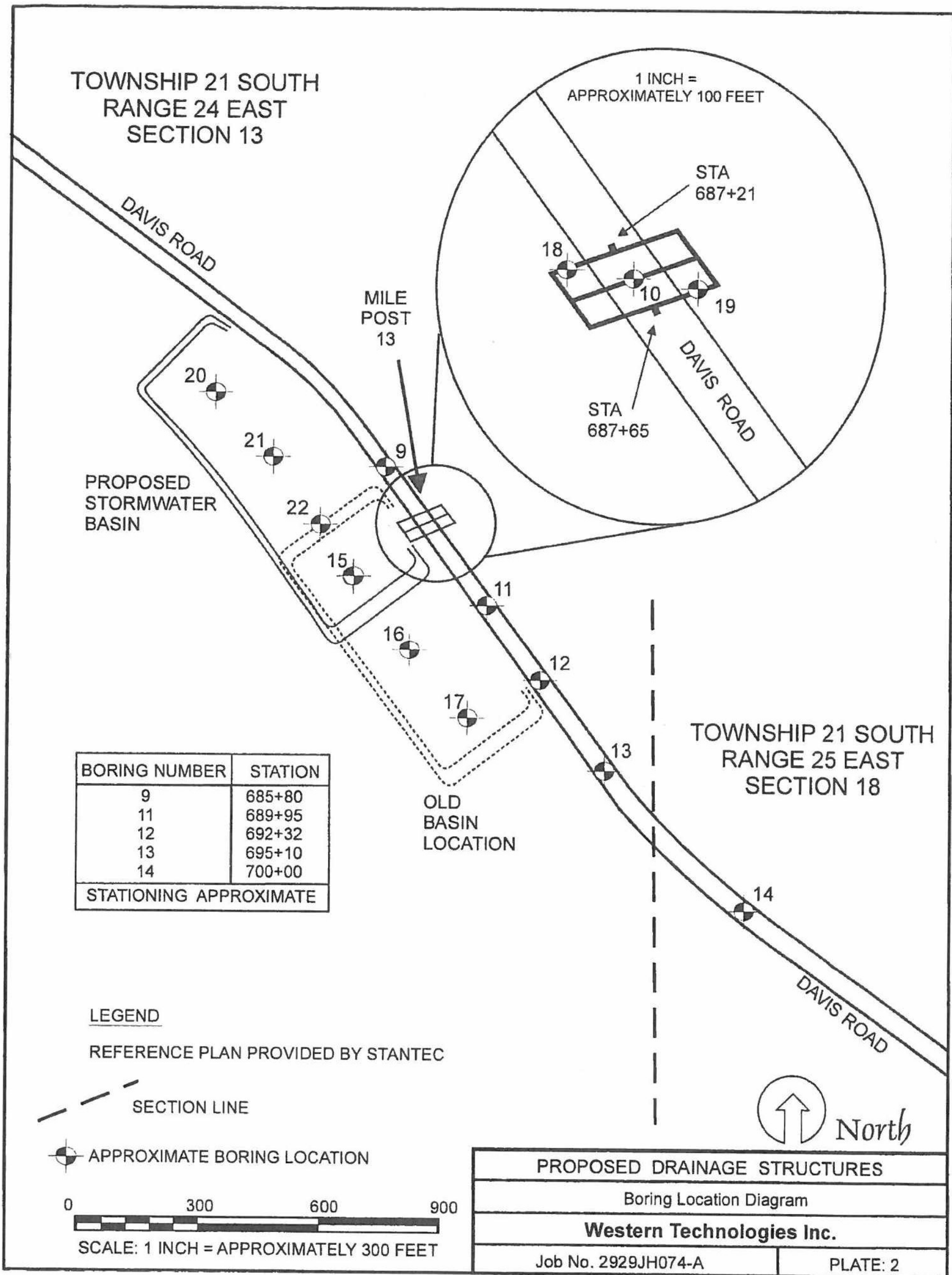
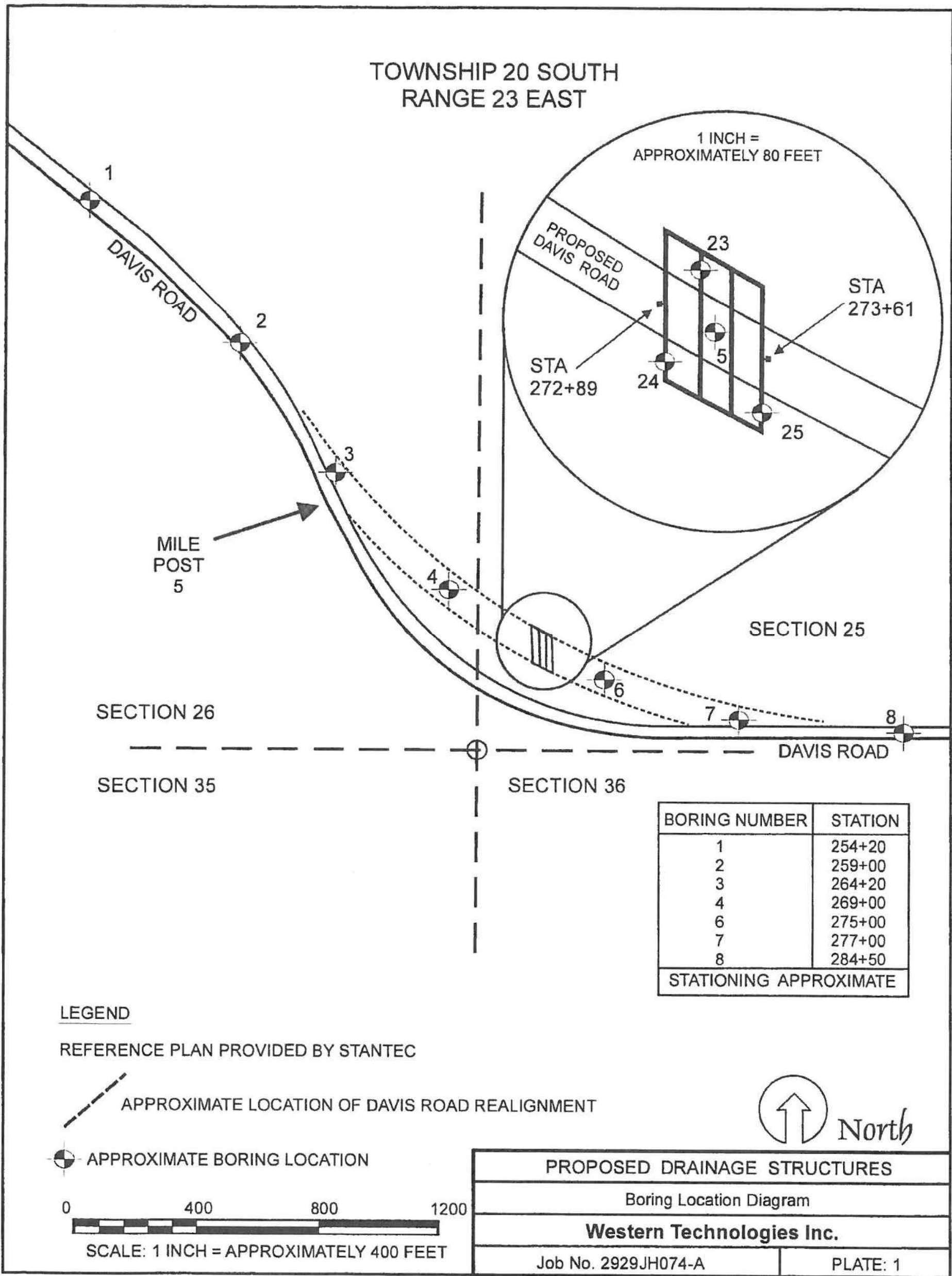
DETAIL ES2

STABILIZED CONSTRUCTION ENTRANCE/EXIT GRAVEL PAD

DESIGN	NAME	DATE	COCHISE COUNTY
DRAWN	TL	9/26	
CHECKED	CE	9/26	
 2133 W. Frye Road, Ste. 300 Chandler, AZ 85226 PH: (480) 397-5100 FAX: (480) 431-6962 www.stantec.com			
ROUTE	LOCATION	STORMWATER QUALITY PROTECTION & EROSION/SEDIMENT CONTROL DETAILS	
N/A	DAVIS ROAD; MP5	SHEET 5 OF 5	
TRACS NO. T0497 01C			OF

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEET	AS BUILT
9	AZ	CCH-0(207)T	35	39	

0000 CH CCH



Allowable Soil Bearing Capacity	The recommended maximum contact stress developed at the interface of the foundation element and the supporting material.
Backfill	A specified material placed and compacted in a confined area.
Base Course	A layer of specified material placed on a subgrade or subbase.
Base Course Grade	Top of base course.
Bench	A horizontal surface in a sloped deposit.
Caisson	A concrete foundation element cast in a circular excavation which may have an enlarged base. Sometimes referred to as a cast-in-place pier.
Concrete Slabs-on-Grade	A concrete surface layer cast directly upon a base, subbase or subgrade.
Crushed Rock Base Course	A base course composed of crushed rock of a specified gradation.
Differential Settlement	Unequal settlement between or within foundation elements of a structure.
Engineered Fill	Specified material placed and compacted to specified density and/or moisture conditions under observations of a representative of a soil engineer.
Existing Fill	Materials deposited through the action of man prior to exploration of the site.
Existing Grade	The ground surface at the time of field exploration.
Expansive Potential	The potential of a soil to expand (increase in volume) due to absorption of moisture.
Fill	Materials deposited by the actions of man.
Finished Grade	The final grade created as a part of the project.
Gravel Base Course	A base course composed of naturally occurring gravel with a specified gradation.
Heave	Upward movement
Native Grade	The naturally occurring ground surface.
Native Soil	Naturally occurring on-site soil.
Rock	A natural aggregate of mineral grains connected by strong and permanent cohesive forces. Usually requires drilling, wedging, blasting or other methods of extraordinary force for excavation.
Sand & Gravel Base	A base course of sand and gravel of a specified gradation.
Sand Base Course	A base course composed primarily of sand of a specified gradation.
Scarify	To mechanically loosen soil or break down existing soil structure.
Settlement	Downward movement.
Soil	Any unconsolidated material composed of discrete solid particles, derived from the physical and/or chemical disintegration of vegetable or mineral matter, which can be separated by gentle mechanical means such as agitation in water.
Strip	To remove from present location.
Subbase	A layer of specified material placed to form a layer between the subgrade and base course.
Subbase Grade	Top of subbase.
Subgrade	Prepared native soil surface.

Geotechnical Environmental Inspections Materials	Western Technologies Inc. The Quality People Since 1955	PROJECT: PROPOSED DRAINAGE STRUCTURES JOB NO.: 2929JH074-A	PLATE A-1
DEFINITION OF TERMINOLOGY			

DESIGN	NAME	DATE	COCHISE COUNTY
DRAWN	TL	9/26	
CHECKED	CE	9/26	
ROUTE N/A			DAVIS ROAD; MP5
TRACS NO. T0497 01C			

MP5
FOUNDATION DATA SHEETS

SHEET 1 OF 5

OF

Stantec

2133 W. Frye Road, Ste. 300
Chandler, AZ 85226
PH: (480) 587-6100
FAX: (480) 431-9562
www.stantec.com

47551
CHRISTOPHER E. BOGERS
Professional Engineer
No. 47551
Arizona, U.S.A.

\\usd10-apr\ssd\1\shared_projects\191725033\702_civil\dwg\files\LOC-2.dwg
User: rana Date: 7/1/2025 2:41:17 PM 5'-4" half 1050 Std. Annotations

DATE--	LOCATION--	REVISIONS--	FINISHED PLANS--	SURVEY NO.	DATE--	LOCATION--	REVISIONS--	FINISHED PLANS--	SURVEY NO.																																																																																																																								
<table><tr><td colspan="3">COARSE-GRAINED SOILS LESS THAN 50% FINES</td><td colspan="3">FINE-GRAINED SOILS MORE THAN 50% FINES</td></tr><tr><td>GROUP SYMBOLS</td><td>DESCRIPTION</td><td>MAJOR DIVISIONS</td><td>GROUP SYMBOLS</td><td>DESCRIPTION</td><td>MAJOR DIVISIONS</td></tr><tr><td>GW</td><td>WELL-GRADED GRAVEL OR WELL-GRADED GRAVEL WITH SAND, LESS THAN 5% FINES</td><td rowspan="3">GRAVELS MORE THAN HALF OF COARSE FRACTION IS LARGER THAN NO. 4 SIEVE SIZE</td><td>ML</td><td>SILT, SILT WITH SAND OR GRAVEL, SANDY SILT, OR GRAVELLY SILT</td><td rowspan="3">SILTS AND CLAYS LIQUID LIMIT LESS THAN 50</td></tr><tr><td>GP</td><td>POORLY-GRADED GRAVEL OR POORLY-GRADED GRAVEL WITH SAND, LESS THAN 5% FINES</td><td>CL</td><td>LEAN CLAY OF LOW TO MEDIUM PLASTICITY, SANDY CLAY, OR GRAVELLY CLAY</td></tr><tr><td>GM</td><td>SILTY GRAVEL OR SILTY GRAVEL WITH SAND, MORE THAN 12% FINES</td><td>OL</td><td>ORGANIC SILT OR ORGANIC CLAY OF LOW TO MEDIUM PLASTICITY</td></tr><tr><td>GC</td><td>CLAYEY GRAVEL OR CLAYEY GRAVEL WITH SAND, MORE THAN 12% FINES</td><td rowspan="5">SANDS MORE THAN HALF OF COARSE FRACTION IS SMALLER THAN NO. 4 SIEVE SIZE</td><td>MH</td><td>ELASTIC SILT, SANDY ELASTIC SILT, OR GRAVELLY ELASTIC SILT</td><td rowspan="3">SILTS AND CLAYS LIQUID LIMIT MORE THAN 50</td></tr><tr><td>SW</td><td>WELL-GRADED SAND OR WELL-GRADED SAND WITH GRAVEL, LESS THAN 5% FINES</td><td>CH</td><td>FAT CLAY OF HIGH PLASTICITY, SANDY FAT CLAY, OR GRAVELLY FAT CLAY</td></tr><tr><td>SP</td><td>POORLY-GRADED SAND OR POORLY-GRADED SAND WITH GRAVEL, LESS THAN 5% FINES</td><td>OH</td><td>ORGANIC SILT OR ORGANIC CLAY OF HIGH PLASTICITY</td></tr><tr><td>SM</td><td>SILTY SAND OR SILTY SAND WITH GRAVEL, MORE THAN 12% FINES</td><td rowspan="2">HIGHLY ORGANIC SOILS</td></tr><tr><td>SC</td><td>CLAYEY SAND OR CLAYEY SAND WITH GRAVEL, MORE THAN 12% FINES</td></tr></table> NOTE: Coarse-grained soils receive dual symbols if they contain 5% to 12% fines (e.g., SW-SM, GP-GC). NOTE: Fine-grained soils may receive dual classification based upon plasticity characteristics (e.g., CL-ML). <table><tr><td colspan="2">SOIL SIZES</td><td colspan="2">CONSISTENCY</td></tr><tr><td>COMPONENT</td><td>SIZE RANGE</td><td>CLAYS & SILTS</td><td>BLOWS PER FOOT</td></tr><tr><td>BOULDERS</td><td>Above 12 in.</td><td>VERY SOFT</td><td>0 - 2</td></tr><tr><td>COBBLES</td><td>3 in. - 12 in.</td><td>SOFT</td><td>3 - 4</td></tr><tr><td rowspan="2">GRAVEL</td><td>No. 4 - 3 in.</td><td>FIRM</td><td>5 - 8</td></tr><tr><td>Coarse 3/4 in. - 3 in. Fine No. 4 - 3/4 in.</td><td>STIFF</td><td>9 - 15</td></tr><tr><td rowspan="4">SAND</td><td rowspan="4">No. 200 - No. 4 No. 10 - No. 4 No. 40 - No. 10 No. 200 - No. 40</td><td>VERY STIFF</td><td>16 - 30</td></tr><tr><td>HARD</td><td>Over 30</td></tr><tr><td colspan="2">RELATIVE DENSITY</td></tr><tr><td>SANDS & GRAVELS</td><td>BLOWS PER FOOT</td></tr><tr><td rowspan="4">Coarse Medium Fine</td><td rowspan="4">No. 200 - No. 4 No. 10 - No. 4 No. 40 - No. 10 No. 200 - No. 40</td><td>VERY LOOSE</td><td>0 - 4</td></tr><tr><td>LOOSE</td><td>5 - 10</td></tr><tr><td>MEDIUM DENSE</td><td>11 - 30</td></tr><tr><td>DENSE</td><td>31 - 50</td></tr><tr><td>Fines (Silt or Clay)</td><td>Below No. 200</td><td>VERY DENSE</td><td>Over 50</td></tr></table> NOTE: Only sizes smaller than 3 inches are used to classify soils. NOTE: Number of blows using 140-pound hammer falling 30 inches to drive a 2-inch-OD (1-3/8-inch-ID) split spoon (ASTM D1586). <table><tr><td colspan="2">PLASTICITY OF FINE-GRAINED SOILS</td><td colspan="2">DEFINITION OF WATER CONTENT</td></tr><tr><td>PLASTICITY INDEX</td><td>TERM</td><td colspan="2">DRY</td></tr><tr><td>0</td><td>NON-PLASTIC</td><td colspan="2">SLIGHTLY DAMP</td></tr><tr><td>1 - 7</td><td>LOW</td><td colspan="2">DAMP</td></tr><tr><td>8 - 20</td><td>MEDIUM</td><td colspan="2">MOIST</td></tr><tr><td>Over 20</td><td>HIGH</td><td colspan="2">WET</td></tr><tr><td></td><td></td><td colspan="2">SATURATED</td></tr></table> Geotechnical Environmental Inspections Materials  Western Technologies Inc. The Quality People Since 1955 PROJECT: PROPOSED DRAINAGE STRUCTURES JOB NO.: 2929JH074-A METHOD OF CLASSIFICATION PLATE A-2										COARSE-GRAINED SOILS LESS THAN 50% FINES			FINE-GRAINED SOILS MORE THAN 50% FINES			GROUP SYMBOLS	DESCRIPTION	MAJOR DIVISIONS	GROUP SYMBOLS	DESCRIPTION	MAJOR DIVISIONS	GW	WELL-GRADED GRAVEL OR WELL-GRADED GRAVEL WITH SAND, LESS THAN 5% FINES	GRAVELS MORE THAN HALF OF COARSE FRACTION IS LARGER THAN NO. 4 SIEVE SIZE	ML	SILT, SILT WITH SAND OR GRAVEL, SANDY SILT, OR GRAVELLY SILT	SILTS AND CLAYS LIQUID LIMIT LESS THAN 50	GP	POORLY-GRADED GRAVEL OR POORLY-GRADED GRAVEL WITH SAND, LESS THAN 5% FINES	CL	LEAN CLAY OF LOW TO MEDIUM PLASTICITY, SANDY CLAY, OR GRAVELLY CLAY	GM	SILTY GRAVEL OR SILTY GRAVEL WITH SAND, MORE THAN 12% FINES	OL	ORGANIC SILT OR ORGANIC CLAY OF LOW TO MEDIUM PLASTICITY	GC	CLAYEY GRAVEL OR CLAYEY GRAVEL WITH SAND, MORE THAN 12% FINES	SANDS MORE THAN HALF OF COARSE FRACTION IS SMALLER THAN NO. 4 SIEVE SIZE	MH	ELASTIC SILT, SANDY ELASTIC SILT, OR GRAVELLY ELASTIC SILT	SILTS AND CLAYS LIQUID LIMIT MORE THAN 50	SW	WELL-GRADED SAND OR WELL-GRADED SAND WITH GRAVEL, LESS THAN 5% FINES	CH	FAT CLAY OF HIGH PLASTICITY, SANDY FAT CLAY, OR GRAVELLY FAT CLAY	SP	POORLY-GRADED SAND OR POORLY-GRADED SAND WITH GRAVEL, LESS THAN 5% FINES	OH	ORGANIC SILT OR ORGANIC CLAY OF HIGH PLASTICITY	SM	SILTY SAND OR SILTY SAND WITH GRAVEL, MORE THAN 12% FINES	HIGHLY ORGANIC SOILS	SC	CLAYEY SAND OR CLAYEY SAND WITH GRAVEL, MORE THAN 12% FINES	SOIL SIZES		CONSISTENCY		COMPONENT	SIZE RANGE	CLAYS & SILTS	BLOWS PER FOOT	BOULDERS	Above 12 in.	VERY SOFT	0 - 2	COBBLES	3 in. - 12 in.	SOFT	3 - 4	GRAVEL	No. 4 - 3 in.	FIRM	5 - 8	Coarse 3/4 in. - 3 in. Fine No. 4 - 3/4 in.	STIFF	9 - 15	SAND	No. 200 - No. 4 No. 10 - No. 4 No. 40 - No. 10 No. 200 - No. 40	VERY STIFF	16 - 30	HARD	Over 30	RELATIVE DENSITY		SANDS & GRAVELS	BLOWS PER FOOT	Coarse Medium Fine	No. 200 - No. 4 No. 10 - No. 4 No. 40 - No. 10 No. 200 - No. 40	VERY LOOSE	0 - 4	LOOSE	5 - 10	MEDIUM DENSE	11 - 30	DENSE	31 - 50	Fines (Silt or Clay)	Below No. 200	VERY DENSE	Over 50	PLASTICITY OF FINE-GRAINED SOILS		DEFINITION OF WATER CONTENT		PLASTICITY INDEX	TERM	DRY		0	NON-PLASTIC	SLIGHTLY DAMP		1 - 7	LOW	DAMP		8 - 20	MEDIUM	MOIST		Over 20	HIGH	WET				SATURATED	
COARSE-GRAINED SOILS LESS THAN 50% FINES			FINE-GRAINED SOILS MORE THAN 50% FINES																																																																																																																														
GROUP SYMBOLS	DESCRIPTION	MAJOR DIVISIONS	GROUP SYMBOLS	DESCRIPTION	MAJOR DIVISIONS																																																																																																																												
GW	WELL-GRADED GRAVEL OR WELL-GRADED GRAVEL WITH SAND, LESS THAN 5% FINES	GRAVELS MORE THAN HALF OF COARSE FRACTION IS LARGER THAN NO. 4 SIEVE SIZE	ML	SILT, SILT WITH SAND OR GRAVEL, SANDY SILT, OR GRAVELLY SILT	SILTS AND CLAYS LIQUID LIMIT LESS THAN 50																																																																																																																												
GP	POORLY-GRADED GRAVEL OR POORLY-GRADED GRAVEL WITH SAND, LESS THAN 5% FINES		CL	LEAN CLAY OF LOW TO MEDIUM PLASTICITY, SANDY CLAY, OR GRAVELLY CLAY																																																																																																																													
GM	SILTY GRAVEL OR SILTY GRAVEL WITH SAND, MORE THAN 12% FINES		OL	ORGANIC SILT OR ORGANIC CLAY OF LOW TO MEDIUM PLASTICITY																																																																																																																													
GC	CLAYEY GRAVEL OR CLAYEY GRAVEL WITH SAND, MORE THAN 12% FINES	SANDS MORE THAN HALF OF COARSE FRACTION IS SMALLER THAN NO. 4 SIEVE SIZE	MH	ELASTIC SILT, SANDY ELASTIC SILT, OR GRAVELLY ELASTIC SILT	SILTS AND CLAYS LIQUID LIMIT MORE THAN 50																																																																																																																												
SW	WELL-GRADED SAND OR WELL-GRADED SAND WITH GRAVEL, LESS THAN 5% FINES		CH	FAT CLAY OF HIGH PLASTICITY, SANDY FAT CLAY, OR GRAVELLY FAT CLAY																																																																																																																													
SP	POORLY-GRADED SAND OR POORLY-GRADED SAND WITH GRAVEL, LESS THAN 5% FINES		OH	ORGANIC SILT OR ORGANIC CLAY OF HIGH PLASTICITY																																																																																																																													
SM	SILTY SAND OR SILTY SAND WITH GRAVEL, MORE THAN 12% FINES		HIGHLY ORGANIC SOILS																																																																																																																														
SC	CLAYEY SAND OR CLAYEY SAND WITH GRAVEL, MORE THAN 12% FINES																																																																																																																																
SOIL SIZES		CONSISTENCY																																																																																																																															
COMPONENT	SIZE RANGE	CLAYS & SILTS	BLOWS PER FOOT																																																																																																																														
BOULDERS	Above 12 in.	VERY SOFT	0 - 2																																																																																																																														
COBBLES	3 in. - 12 in.	SOFT	3 - 4																																																																																																																														
GRAVEL	No. 4 - 3 in.	FIRM	5 - 8																																																																																																																														
	Coarse 3/4 in. - 3 in. Fine No. 4 - 3/4 in.	STIFF	9 - 15																																																																																																																														
SAND	No. 200 - No. 4 No. 10 - No. 4 No. 40 - No. 10 No. 200 - No. 40	VERY STIFF	16 - 30																																																																																																																														
		HARD	Over 30																																																																																																																														
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		SANDS & GRAVELS	BLOWS PER FOOT																																																																																																																														
Coarse Medium Fine	No. 200 - No. 4 No. 10 - No. 4 No. 40 - No. 10 No. 200 - No. 40	VERY LOOSE	0 - 4																																																																																																																														
		LOOSE	5 - 10																																																																																																																														
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Fines (Silt or Clay)	Below No. 200	VERY DENSE	Over 50																																																																																																																														
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0	NON-PLASTIC	SLIGHTLY DAMP																																																																																																																															
1 - 7	LOW	DAMP																																																																																																																															
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Over 20	HIGH	WET																																																																																																																															
		SATURATED																																																																																																																															

The number shown in "BORING NO." refers to the approximate location of the same number indicated on the "Boring Location Diagram" as positioned in the field by pacing or measurement from property lines and/or existing features.

"DRILLING TYPE" refers to the exploratory equipment used in the boring wherein HSA = hollow stem auger, and the dimension presented is the outside diameter of the HSA used.

"N" in "BLOW COUNTS" refers to a 2-in. outside diameter split-barrel sampler driven into the ground with a 140 lb. drop-hammer dropped 30 in. repeatedly until a penetration of 18 in. is achieved or until refusal. The number of blows, or "blow count", of the hammer is recorded for each of three 6-in. increments totaling 18 in. The number of blows required for advancing the sampler for the last 12 in. (2nd and 3rd increments) is defined as the Standard Penetration Test (SPT) "N"-Value. Refusal to penetration is considered more than 50 blows per 6 inches. (Ref. ASTM D 1586).

"R" in "BLOW COUNTS" refers to a 3-in. outside diameter ring-lined split spoon sampler driven into the ground with a 140 lb. drop-hammer dropped 30 in. repeatedly until a penetration of 12 in. is achieved or until refusal. The number of blows required to advance the sampler 12 in. is defined as the "R" blow count. The "R" blow count requires an engineered conversion to an equivalent SPT N-Value. Refusal to penetration is considered more than 50 blows per foot. (Ref. ASTM D 3550).

"SAMPLE TYPE" refers to the form of sample recovery, in which N = Split-barrel sample, R = Ring-lined sample, G = Grab sample, B = Bucket sample, C = Core sample (ex. diamond bit rock coring).

"DRY DENSITY (LBS/CU FT)" refers to the laboratory-determined dry density in pounds per cubic foot. The symbol "NR" indicates that no sample was recovered. The symbol "DU" indicates that determination of dry density was not possible.

"MOISTURE CONTENT (% OF DRY WT.)" refers to the laboratory-determined water content in percent (Ref. ASTM D2216).

"USCS" refers to the "Unified Soil Classification System" Group Symbol for the soil type as defined by ASTM D 2487 and D 2488. The soils were classified visually in the field, and where appropriate, classifications were modified by visual examination of samples in the laboratory and/or by appropriate tests.

These notes and boring logs are intended for use in conjunction with the purposes of our services defined in the text. Boring log data should not be construed as part of the construction plans nor as defining construction conditions.

Boring logs depict our interpretations of subsurface conditions at the locations and on the date(s) noted. Variations in subsurface conditions and characteristics may occur between borings. Groundwater levels may fluctuate due to seasonal variations and other factors.

The stratification lines shown on the boring logs represent our interpretation of the approximate boundary between soil or rock types based upon visual field classification at the boring location. The transition between materials is approximate and may be more or less gradual than indicated.

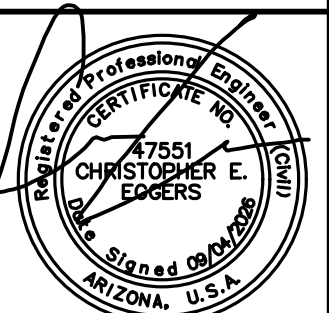
Geotechnical Environmental Inspections Materials  Western Technologies Inc. The Quality People Since 1955 PROJECT: PROPOSED DRAINAGE STRUCTURES JOB NO.: 2929JH074-A BORING LOG NOTES	PLATE A-3
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THIS SUMMARY APPLIES ONLY AT THIS LOCATION AND AT THE TIME OF LOGGING. CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH TIME. DATA PRESENTED IS A SIMPLIFICATION.

DATE DRILLED: 10-26-09										BORING NO. 1		EQUIPMENT TYPE: CME-75 DRILLING TYPE: 7"HSA LOGGED BY: R. Woner	
LOCATION: See Location Diagram										ELEVATION: Not Determined			
MOISTURE CONTENT (% OF DRY WT.)	DRY DENSITY (LBS/CU FT)	SAMPLE TYPE	SAMPLE	BLOW COUNTS	DEPTH (FEET)	USCS	GRAPHIC	SOIL DESCRIPTION					
		G				SC		3 inches Asphalt Concrete on 2 inches Aggregate Base Course					
								Clayey SAND; brown, medium dense, damp					
					5			Boring Stopped at 5 Feet					
					10								
N- STANDARD PENETRATION TEST R- RING SAMPLE NR- NO SAMPLE RECOVERY G- GRAB SAMPLE CA- CALIFORNIA MODIFIED SAMPLE								NOTES: Groundwater Not Encountered					
Geotechnical Environmental Inspections Materials  Western Technologies Inc. The Quality People Since 1955 PROJECT: PROPOSED DRAINAGE STRUCTURES JOB NO.: 2929JH074-A BORING LOG								PLATE A-4					

DESIGN	NAME	DATE	COCHISE COUNTY	
DRAWN	TL	9/26		
CHECKED	CE	9/26		
			MP5 FOUNDATION DATA SHEETS	
ROUTE	LOCATION		DAVIS ROAD; MP5	
N/A				
TRACS NO. T0497 01C			SHEET 2 OF 5 OF	

3133 W. Frye Road, Ste. 300
Chandler, AZ 85226
PH: (480) 967-9100
FAX: (480) 431-6962
www.stantec.com



\\us010-apress01\shared_projects\197250\31702_cadd\dwg_files\06-3.dwg
User: rana 9/17/2009 2:13:51 PM 8-M Half 1050 Std Standard

SURVEY NO.	FINISHED PLANS	LOCATION	DATE	SURVEY NO.	FINISHED PLANS	LOCATION	DATE	REVISIONS	FINISHED PLANS	LOCATION	DATE

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEET	AS BUILT
9	AZ	CCH-0(207)T	37	39	

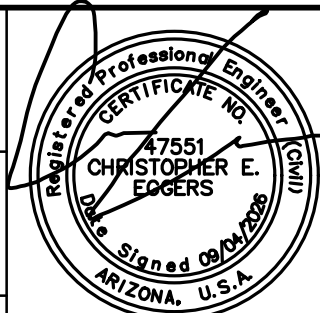
0000 CH CCH

DATE DRILLED: 10-26-09 LOCATION: See Location Diagram ELEVATION: Not Determined										BORING NO. 2										EQUIPMENT TYPE: CME-75 DRILLING TYPE: 7"HSA LOGGED BY: R. Woner																			
MOISTURE CONTENT (% OF DRY WT.)	DRY DENSITY (LBS/CU FT)	SAMPLE TYPE	SAMPLE	BLOW COUNTS	DEPTH (FEET)	USCS	GRAPHIC	SOIL DESCRIPTION																															
		G				SC		4 inches Asphalt Concrete on 0 inches Aggregate Base Course Clayey SAND; brown, medium dense, slightly damp																															
					5			Boring Stopped at 5 Feet																															
					10																																		
N- STANDARD PENETRATION TEST R- RING SAMPLE NR- NO SAMPLE RECOVERY G- GRAB SAMPLE CA- CALIFORNIA MODIFIED SAMPLE										NOTES: Groundwater Not Encountered										PROJECT: PROPOSED DRAINAGE STRUCTURES JOB NO.: 2929JH074-A										PLATE A-5									
Geotechnical Environmental Inspections Materials										 Western Technologies Inc. The Quality People Since 1955										BORING LOG																			

DATE DRILLED: 10-26-09 LOCATION: See Location Diagram ELEVATION: Not Determined										BORING NO. 3										EQUIPMENT TYPE: CME-75 DRILLING TYPE: 7"HSA LOGGED BY: R. Woner																			
MOISTURE CONTENT (% OF DRY WT.)	DRY DENSITY (LBS/CU FT)	SAMPLE TYPE	SAMPLE	BLOW COUNTS	DEPTH (FEET)	USCS	GRAPHIC	SOIL DESCRIPTION																															
		G				SC		Clayey SAND; reddish brown, medium dense, slightly damp																															
					5			Boring Stopped at 5 Feet																															
					10																																		
N- STANDARD PENETRATION TEST R- RING SAMPLE NR- NO SAMPLE RECOVERY G- GRAB SAMPLE CA- CALIFORNIA MODIFIED SAMPLE										NOTES: Groundwater Not Encountered										PROJECT: PROPOSED DRAINAGE STRUCTURES JOB NO.: 2929JH074-A										PLATE A-6									
Geotechnical Environmental Inspections Materials										 Western Technologies Inc. The Quality People Since 1955										BORING LOG																			

DATE DRILLED: 10-27-09 LOCATION: See Location Diagram ELEVATION: Not Determined										BORING NO. 4										EQUIPMENT TYPE: CME-75 DRILLING TYPE: 7"HSA LOGGED BY: R. Woner																			
MOISTURE CONTENT (% OF DRY WT.)	DRY DENSITY (LBS/CU FT)	SAMPLE TYPE	SAMPLE	BLOW COUNTS	DEPTH (FEET)	USCS	GRAPHIC	SOIL DESCRIPTION																															
		G				CL		Sandy CLAY; brown, stiff, slightly damp																															
					5			Boring Stopped at 5 Feet																															
					10																																		
N- STANDARD PENETRATION TEST R- RING SAMPLE NR- NO SAMPLE RECOVERY G- GRAB SAMPLE CA- CALIFORNIA MODIFIED SAMPLE										NOTES: Groundwater Not Encountered										PROJECT: PROPOSED DRAINAGE STRUCTURES JOB NO.: 2929JH074-A										PLATE A-7									
Geotechnical Environmental Inspections Materials										 Western Technologies Inc. The Quality People Since 1955										BORING LOG																			

DESIGN	NAME	DATE	COCHISE COUNTY	
DRAWN	TL	9/26		
CHECKED	CE	9/26		
 Stantec 2133 W. Fry Road, Ste. 300 Chandler, AZ 85226 PH: (480) 947-9100 FAX: (480) 431-9562 www.stantec.com			MP5 FOUNDATION DATA SHEETS	
ROUTE	LOCATION			
N/A	DAVIS ROAD; MP5		SHEET 3 OF 5	
TRACS NO. T0497 01C			OF	



F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEET	AS BUILT
9	AZ	CCH-0(207)T	38	39	

0000 CH CCH

DATE DRILLED: 10-27-09
LOCATION: See Location Diagram
ELEVATION: Not Determined

BORING NO. 5

EQUIPMENT TYPE: CME-75
DRILLING TYPE: 7"HSA
LOGGED BY: R. Woner

MOISTURE CONTENT (% OF DRY WT.)	DRY DENSITY (LBS/CU FT)	SAMPLE TYPE	SAMPLE COUNTS	DEPTH (FEET)	USCS	GRAPHIC	SOIL DESCRIPTION
4.1	95	R	15	4.1	SM		Silty SAND; brown, loose, slightly damp
10.0	102	R	9	10.0			becomes damp with gravel
		R	50/8"	10.0			silt increases, becomes dense
		R	50/4"	15.0			becomes very dense
		G	50/6"	20.0	SC		Clayey SAND; reddish brown, very dense, slightly damp
		R	50/2" NR	25.0			Boring Stopped at 25 Feet

N- STANDARD PENETRATION TEST
R- RING SAMPLE
NR- NO SAMPLE RECOVERY
G- GRAB SAMPLE
CA- CALIFORNIA MODIFIED SAMPLE

NOTES: Groundwater Not Encountered

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PROJECT: PROPOSED DRAINAGE STRUCTURES
JOB NO.: 2929JH074-A

PLATE
A-8

BORING LOG

DATE DRILLED: 3-14-11
LOCATION: See Location Diagram
ELEVATION: Not Determined

BORING NO. 20

EQUIPMENT TYPE: CME-75
DRILLING TYPE: 8"HSA
LOGGED BY: R. Woner

MOISTURE CONTENT (% OF DRY WT.)	DRY DENSITY (LBS/CU FT)	SAMPLE TYPE	SAMPLE COUNTS	DEPTH (FEET)	USCS	GRAPHIC	SOIL DESCRIPTION
3.9	100	G	12	3.9	SC-SM		Silty, Clayey SAND; brown, loose, slightly damp
1.5	113	G	31	10.0	SC		Clayey SAND; with gravel, medium dense, slightly damp
2.7	109	R	50/5"	15.0			becomes very dense Boring Stopped at 15.5 Feet

N- STANDARD PENETRATION TEST
R- RING SAMPLE
NR- NO SAMPLE RECOVERY
G- GRAB SAMPLE
CA- CALIFORNIA MODIFIED SAMPLE

NOTES: Groundwater not encountered.

Geotechnical
Environmental
Inspections
Materials

 **Western Technologies Inc.**
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PROJECT: PROPOSED DRAINAGE STRUCTURES
JOB NO.: 2929JH074-A

PLATE
A-23

BORING LOG

DATE DRILLED: 3-14-11
LOCATION: See Location Diagram
ELEVATION: Not Determined

BORING NO. 21

EQUIPMENT TYPE: CME-75
DRILLING TYPE: 8"HSA
LOGGED BY: R. Woner

MOISTURE CONTENT (% OF DRY WT.)	DRY DENSITY (LBS/CU FT)	SAMPLE TYPE	SAMPLE COUNTS	DEPTH (FEET)	USCS	GRAPHIC	SOIL DESCRIPTION
2.6	106	G	16	2.6	SC-SM		Silty, Clayey SAND; brown, loose, slightly damp
3.0	100	G	50/12"	10.0	SC		with trace gravel Clayey SAND; with gravel, brown, dense, slightly damp
2.7	115	R	29	15.0			becomes medium dense Boring Stopped at 16 Feet

N- STANDARD PENETRATION TEST
R- RING SAMPLE
NR- NO SAMPLE RECOVERY
G- GRAB SAMPLE
CA- CALIFORNIA MODIFIED SAMPLE

NOTES: Groundwater not encountered.

Geotechnical
Environmental
Inspections
Materials

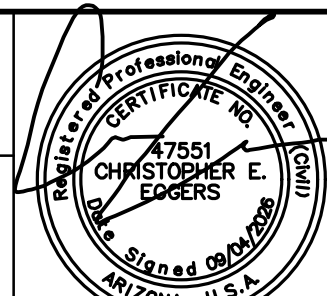
 **Western Technologies Inc.**
The Quality People
Since 1955

PROJECT: PROPOSED DRAINAGE STRUCTURES
JOB NO.: 2929JH074-A

PLATE
A-24

BORING LOG

DESIGN	NAME	DATE	COCHISE COUNTY
DRAWN	TL	9/26	
CHECKED	CE	9/26	
 Stantec 2133 N. First Street, Ste. 300 Chandler, AZ 85226 PH: (480) 947-5100 FAX: (480) 431-5562 www.stantec.com			MP5 FOUNDATION DATA SHEET
ROUTE	LOCATION	DAVIS ROAD; MP5	
N/A		SHEET 4 OF 5	
TRACS NO. T0497 01C		OF	



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User: rana 9/17/2009 2:14:16 PM 5'-0" Plot 1050 Std Settings

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SURVEY NO.	FINISHED PLANS	DATE	LOCATION	REVISIONS	DATE	LOCATION	REVISIONS	DATE
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THIS SUMMARY APPLIES ONLY AT THIS LOCATION AND AT THE TIME OF LOGGING. CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH TIME. DATA PRESENTED IS A SIMPLIFICATION.

DATE DRILLED: 3-14-11										BORING NO. 22		EQUIPMENT TYPE: CME-75	
LOCATION: See Location Diagram												DRILLING TYPE: 8"HSA	
ELEVATION: Not Determined												LOGGED BY: R. Woner	
MOISTURE CONTENT (% OF DRY WT.)	DRY DENSITY (LBS/CU FT)	SAMPLE TYPE	SAMPLE	BLOW COUNTS	DEPTH (FEET)	USCS	GRAPHIC	SOIL DESCRIPTION					
		G				SC		Clayey SAND; brown, dense, slightly damp					
6.6	101	G R		50/12"	5			with trace gravel					
2.6	103	G R		50/12"	10	GC		Clayey GRAVEL; with sand, brown, dense, slightly damp					
								gravel increases					
3.0	113	R		50/8"	15			Boring Stopped at 15.75 Feet					
					20								
					25								
N- STANDARD PENETRATION TEST R- RING SAMPLE NR- NO SAMPLE RECOVERY G- GRAB SAMPLE CA- CALIFORNIA MODIFIED SAMPLE						NOTES: Groundwater not encountered.							
Geotechnical Environmental Inspections Materials						Western Technologies Inc. The Quality People Since 1955							
PROJECT: PROPOSED DRAINAGE STRUCTURES JOB NO.: 2929JH074-A						PLATE A-25							
BORING LOG													

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEET	AS BUILT
9	AZ	CCH-0(207)T	39	39	

0000 CH CCH

DESIGN		NAME	DATE	COCHISE COUNTY	
DRAWN		TL	9/26		
CHECKED		CE	9/26		
ROUTE		LOCATION		MP5 FOUNDATION DATA SHEET	
N/A		DAVIS ROAD; MP5		SHEET 5 OF 5	
TRACS NO. T0497 01C				OF	

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