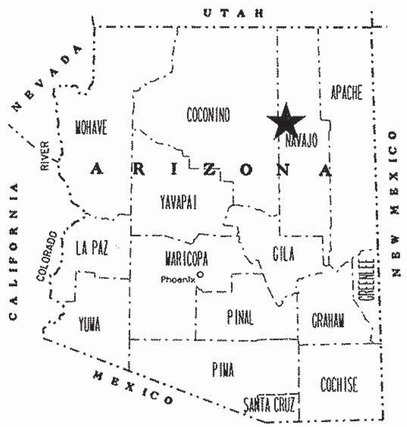
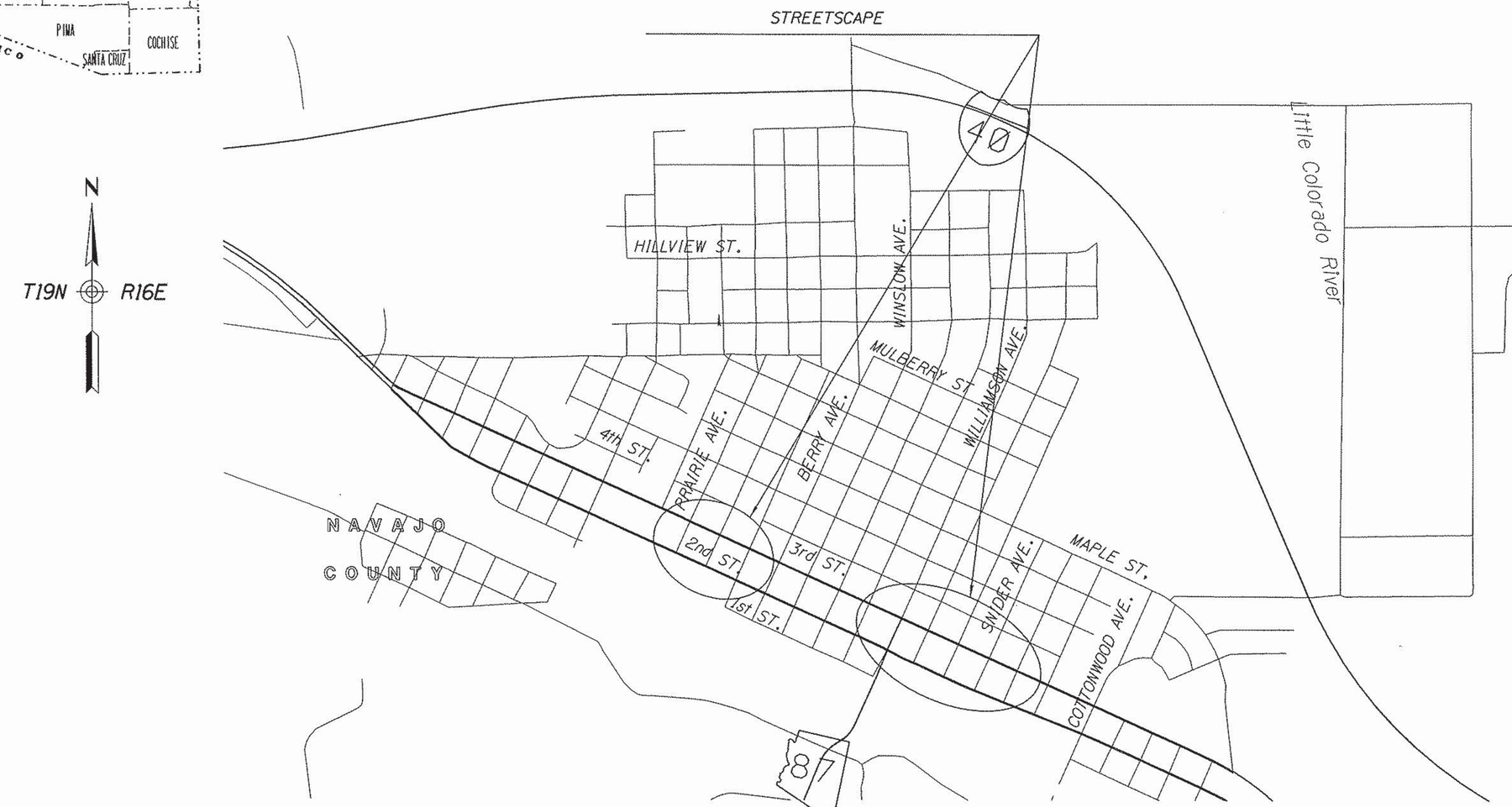
STATE OF ARIZONA
DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION

ADOT

PROJECT PLANS

URBANIZED AREA
CITY OF WINSLOW





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

2nd St. & 3rd St.: Berry Ave. to Prairie Ave. & Williamson Ave. to Snider Ave.

PROJECT NO. 0000 NA WIN SL705 01 C
FEDERAL AID NO. TEA–WIN–0(202)T

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
DALLAS HAMMIT, P.E., STATE ENGINEER

REC. DWGS. DATA	REC. DWG. DATE	____ OF ____

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ADOT STANDARD DRAWINGS
C STANDARDS

ISSUE OR REVISION DATE	STANDARD NO.	SUBJECT
		CONSTRUCTION
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
5/12	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
5/12	C-04.10 SH 1	SPILLWAY, EMBANKMENT SINGLE INLET
5/12	C-04.10 SH 2	SPILLWAY, EMBANKMENT DOUBLE INLET
5/12	C-04.20 SH 1	DOWNDRAIN, EMBANKMENT SINGLE INLET
5/12	C-04.20 SH 2	DOWNDRAIN, EMBANKMENT DOUBLE INLET
5/12	C-04.30	SPILLWAY LENGTH TABLE
5/12	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
5/12	C-07.06	TRENCH BACKFILL AND PAVEMENT REPLACEMENT
5/12	C-08.20	PAVED GORE AREA
5/12	C-10.00	GUARDRAIL MEASUREMENT LIMITS
5/12	C-10.01	GUARDRAIL INSTALLATION, TYPE A AND REFLECTOR TAB
5/12	C-10.02	GUARDRAIL INSTALLATION, TYPE B AND REFLECTOR TAB
5/12	C-10.03	W-BEAM GUARDRAIL, G4(1W) AND G4(2W), BLOCKED-OUT TIMBER POST
5/12	C-10.04	W-BEAM GUARDRAIL, G4(1S), BLOCKED-OUT STEEL POST
5/12	C-10.05 SH 1	W-BEAM GUARDRAIL, G4(MODIFIED) WITH FREEWAY CURB AND GUTTER
5/12	C-10.05 SH 2	W-BEAM GUARDRAIL, G4(MODIFIED) WITH FREEWAY CURB AND GUTTER
5/12	C-10.06 SH 1	W-BEAM GUARDRAIL, NESTED, TYPES 1 AND 2
5/12	C-10.06 SH 2	W-BEAM GUARDRAIL, NESTED, TYPE 3
5/12	C-10.07 SH 1	W-BEAM GUARDRAIL, BOLTED ANCHOR
5/12	C-10.07 SH 2	W-BEAM GUARDRAIL, BOLTED ANCHOR
5/12	C-10.08	W-BEAM GUARDRAIL, END ANCHOR
5/12	C-10.20	THRIE-BEAM GUARDRAIL, G9, BLOCKED-OUT STEEL POST
5/12	C-10.30 SH 1	GUARDRAIL TRANSITION, THRIE BEAM TO CONCRETE HALF BARRIER, 32" TYPE 'F'
5/12	C-10.30 SH 2	GUARDRAIL TRANSITION, THRIE BEAM TO CONCRETE HALF BARRIER, 32" TYPE 'F'
5/12	C-10.40	CONCRETE MEDIAN BARRIER, 32" TYPE 'F', CAST-IN-PLACE
5/12	C-10.41	CONCRETE MEDIAN BARRIER, 42" TYPE 'F', CAST-IN-PLACE
5/12	C-10.42 SH 1	GLARE SCREEN, CONCRETE MEDIAN BARRIER
5/12	C-10.42 SH 2	GLARE SCREEN, CONCRETE MEDIAN BARRIER
5/12	C-10.42 SH 3	GLARE SCREEN, CONCRETE MEDIAN BARRIER
5/12	C-10.50 SH 1	CONCRETE HALF BARRIER, 32" TYPE 'F', CAST-IN-PLACE
5/12	C-10.50 SH 2	CONCRETE HALF BARRIER, 32" TYPE 'F', PRECAST
5/12	C-10.51	CONCRETE HALF BARRIER, 32" TYPE 'F' WITH SIDEWALK
5/12	C-10.52	CONCRETE HALF BARRIER, 32" TYPE 'F' WITH GUTTER
5/12	C-10.53	CONCRETE HALF BARRIER, 42" TYPE 'F' WITH GUTTER
5/12	C-10.54 SH 1	CONCRETE HALF BARRIER, 32" TYPE 'F' AT PIERS, CAST-IN-PLACE
5/12	C-10.54 SH 2	CONCRETE HALF BARRIER, 32" TYPE 'F' AT PIERS, PRECAST
5/12	C-10.54 SH 3	CONCRETE HALF BARRIER, 32" TYPE 'F' AT PIERS, LAYOUT
5/12	C-10.55 SH 1	CONCRETE HALF BARRIER, 42" TYPE 'F' AT PIERS, CAST-IN-PLACE
5/12	C-10.55 SH 2	CONCRETE HALF BARRIER, 42" TYPE 'F' AT PIERS, PRECAST
5/12	C-10.55 SH 3	CONCRETE HALF BARRIER, 42" TYPE 'F' AT PIERS, LAYOUT
5/12	C-10.70 SH 1	CONCRETE HALF-BARRIER TRANSITION TO VERTICAL, 32" TYPE 'F' WITH CAISSONS
5/12	C-10.70 SH 2	CONCRETE HALF-BARRIER TRANSITION TO VERTICAL, 32" TYPE 'F' WITH CAISSONS
5/12	C-10.70 SH 3	CONCRETE HALF-BARRIER TRANSITION TO VERTICAL, 32" TYPE 'F' WITH CAISSONS
5/12	C-10.71 SH 1	CONCRETE HALF-BARRIER TRANSITION TO VERTICAL, 32" TYPE 'F' WITH CURB & GUTTER
5/12	C-10.71 SH 2	CONCRETE HALF-BARRIER TRANSITION TO VERTICAL, 32" TYPE 'F' WITH CURB & GUTTER
5/12	C-10.72 SH 1	CONCRETE HALF-BARRIER TRANSITION TO VERTICAL, 42" TO 32" TYPE 'F' WITH CAISSONS
5/12	C-10.72 SH 2	CONCRETE HALF-BARRIER TRANSITION TO VERTICAL, 42" TO 32" TYPE 'F' WITH CAISSONS
5/12	C-10.72 SH 3	CONCRETE HALF-BARRIER TRANSITION TO VERTICAL, 42" TO 32" TYPE 'F' WITH CAISSONS
5/12	C-10.73 SH 1	CONCRETE HALF-BARRIER TRANSITION TO VERTICAL, 42" TO 32" TYPE 'F' WITH GUTTER
5/12	C-10.73 SH 2	CONCRETE HALF-BARRIER TRANSITION TO VERTICAL, 42" TO 32" TYPE 'F' WITH GUTTER
5/12	C-10.74	CONCRETE HALF-BARRIER TRANSITION, 42" TO 32" TYPE 'F'
5/12	C-10.75 SH 1	CONCRETE HALF-BARRIER TRANSITION, TYPE 'F', TANGENT DEPARTURE TYPE 1
5/12	C-10.75 SH 2	CONCRETE HALF-BARRIER TRANSITION, TYPE 'F', TANGENT DEPARTURE TYPE 2
5/12	C-10.76	CONCRETE HALF-BARRIER TRANSITION, TYPE 'F' AT RADIUS, 32" TO 0"
5/12	C-10.77	CONCRETE HALF-BARRIER TRANSITION, END TERMINAL CURB AND GUTTER
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, TYPES 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
5/12	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	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		05/11/2016

PROJECT NO. WIN-0(202)T		1A	OF 52
RECORD DRAWING DATA — FEDERAL AID NO. SL 705 01C	REC. DWG. DATE		OF

REV.: 05/12

ADOT STANDARD DRAWINGS

TRAFFIC SIGNING & MARKING STANDARDS
(SHEET 1 OF 2)
EFFECTIVE MAY 2015

REVISION	STANDARD	SUBJECT: SIGNING & MARKING DETAILS
6/14	M-1	CURB MARKINGS FOR RAISED MEDIAN AND ISLANDS
6/14	M-2 SHT 1	INTERSECTION STRIPING
5/15	M-2 SHT 2	INTERSECTION STRIPING (TWO-LANE RURAL)
6/14	M-2 SHT 3	CENTERLINE & REVERSE CURVE DETAILS
6/14	M-3	STRIPING AND DELINEATION FOR FREEWAY TERMINALS
6/14	M-4	PASSING LANE STRIPING DETAILS
6/14	M-5	RAILROAD PAVEMENT MARKINGS
6/14	M-6	WORD MARKINGS
6/14	M-7	PAVEMENT LETTERS
6/14	M-8	PAVEMENT LETTERS
6/14	M-9	PAVEMENT NUMBERS
6/14	M-10 SHT 1	PAVEMENT MARKING SYMBOLS
6/14	M-10 SHT 2	PAVEMENT MARKING SYMBOLS
6/14	M-11	TURN LANE PAVEMENT MARKINGS
6/14	M-12	WRONG-WAY ARROWS
6/14	M-13	PREFERENTIAL LANE PAVEMENT MARKINGS
6/14	M-14	STRIPING AND DELINEATION FOR TRUCK ESCAPE RAMPS
6/14	M-15 SHT 1	PAVEMENT MARKING FOR FREEWAY ENTRANCE RAMP – TAPERED ACCELERATION LANE
6/14	M-15 SHT 2	PAVEMENT MARKING FOR FREEWAY ENTRANCE RAMP – PARALLEL ACCELERATION LANE
6/14	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
6/14	M-16 SHT 1	PAVEMENT MARKING FOR FREEWAY EXIT RAMPS – TAPERED DECELERATION LANE
6/14	M-16 SHT 2	PAVEMENT MARKING FOR FREEWAY EXIT RAMP – PARALLEL DECELERATION LANE
5/15	M-17	FREEWAY LANE DROP PAVEMENT MARKINGS
6/14	M-18	RECESSED PAVEMENT MARKER DETAILS
6/14	M-19 SHT 1	RAISED PAVEMENT MARKER PLAN LEGEND
6/14	M-19 SHT 2	NON-REFLECTIVE RAISED PAVEMENT MARKER DETAILS
6/14	M-19 SHT 3	RETROREFLECTIVE RAISED PAVEMENT MARKER DETAILS
6/14	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
6/14	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
6/14	M-19 SHT 9	PAVEMENT MARKING CROSS-SECTION DETAILS FOR HIGHWAYS AND FREEWAYS

REVISION	STANDARD	SUBJECT: SIGNING & 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
6/14	M-22 SHT 1	LONGITUDINAL RUMBLE STRIP GROOVE, PATTERN – AND LOCATION DETAILS
6/14	M-22 SHT 2	LONGITUDINAL RUMBLE STRIP EXCEPTION DETAILS
6/14	M-22 SHT 3	CENTERLINE RUMBLE STRIP GROOVE, PATTERN – AND LOCATION DETAILS
6/14	M-23	OBJECT MARKER DETAILS
6/14	M-24	OBJECT MARKER PLACEMENT DETAILS
6/14	M-26 SHT 1	DELINEATOR PLACEMENT AND SPACING
6/14	M-26 SHT 2	DELINEATOR PLACEMENT AND SPACING
6/14	M-26 SHT 3	FLEXIBLE DELINEATOR ASSEMBLIES
6/14	M-26 SHT 4	SQUARE STEEL POST DELINEATOR
6/14	M-26 SHT 5	DELINEATOR FOUNDATION DETAILS
6/14	M-27	DELINEATION DETAILS FOR MEDIAN CROSSOVERS
6/14	M-29	OFF-MAINLINE REFERENCE MARKER LOCATION DETAIL
6/14	M-30	OFF-MAINLINE REFERENCE MARKER DETAILS
6/14	M-32	BRIDGE AND BARRIER MARKER DETAILS
6/14	M-33	BRIDGE & 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

NO.1	DESCRIPTION OF REVISION REVISED ALL DRAWINGS AND RE-ISSUED. CREATED SHEET 2.	MADE BY L. LOPEZ	DATE 6/14	NO.2	DESCRIPTION OF REVISION REVISED M-2 SHT2, M-17, M-19 SHTS 5&8 REVISED 5-7 SHTS ON PG2. UPDATED BORDER TITLE BLOCK	MADE BY L. LOPEZ	DATE 5/15

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

	NAME	DATE
SIGNING & MARKING STANDARDS		05/11/2016

PROJECT NO.			
WIN-0(202)T		1B-1	OF 52
RECORD DRAWING DATA	FEDERAL AID NO. SL 705 01C	REC. DWG. DATE	OF

ADOT STANDARD DRAWINGS

TRAFFIC SIGNING & MARKING STANDARDS
(SHEET 2 OF 2)
EFFECTIVE MAY 2015

REVISION	STANDARD	SUBJECT: SIGNING & MARKING DETAILS
6/14	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
6/14	S-5	W SHAPE BREAKAWAY POST DETAILS
6/14	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
6/14	S-9 SHT 1	SIGN INSTALLATION ON POLE
6/14	S-9 SHT 2	SIGN INSTALLATION ON SIGNAL POLE
6/14	S-9 SHT 3	SIGN INSTALLATION ON POLE BAND-TYPE CLAMP
6/14	S-10	MILEPOST AND REFERENCE LOCATION SIGNS
6/14	S-11 SHT 1	TAPERED TUBE SIGN STRUCTURE CANTILEVER
6/14	S-11 SHT 2	TAPERED TUBE SIGN STRUCTURE CANTILEVER POST AND MAST ARM DETAILS
6/14	S-11 SHT 3	TAPERED TUBE SIGN STRUCTURE SINGLE BEAM
6/14	S-11 SHT 4	TAPERED TUBE SIGN STRUCTURE SINGLE BEAM POST AND BEAM DETAILS

REVISION	STANDARD	SUBJECT: SIGNING & 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
6/14	S-16 SHT 1	TEMPORARY WOOD POSTS
6/14	S-16 SHT 2	TEMPORARY WOOD POSTS SELECTION CHART
6/14	S-17	END OF ROAD BARRICADE
6/14	C-1	SAND BARREL CRASH CUSHION
6/14	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

NO.	DESCRIPTION OF REVISION	DATE	MADE BY
NO.1	DESCRIPTION OF REVISION REVISED ALL DRAWINGS AND RE-ISSUED. CREATED SHEET 2.	6/14	L. LOPEZ
NO.2	DESCRIPTION OF REVISION REVISED S-7 SHTS. REVISED W-2 SHTS, W-17, W-19 SHTS S&B ON PG1. UPDATED BORDER TITLE BLOCK	5/15	L. LOPEZ

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

	NAME	DATE
SIGNING & MARKING STANDARDS		05/11/2016

PROJECT NO.			
WIN-0(202)T		1B-2	OF 52
RECORD DRAWING DATA	FEDERAL AID NO. SL 705 01C	REC. DWG. DATE	OF

ADOT STANDARD DRAWINGS

TRAFFIC SIGNAL AND LIGHTING STANDARDS
(SHEET 1 OF 2)
EFFECTIVE MAY 2015

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

REVISION DATE	STANDARD NUMBER		SUBJECT: TRAFFIC SIGNALS AND LIGHTING DETAILS
	T.S. 4		POLES AND POSTS
10/13	4–1		TYPE "A" POLE
10/13	4–2		TYPE "E" POLE
10/13	4–3		TYPE "F" POLE
10/13	4–4		TYPE "G" POLE
10/13	4–5		ALUMINUM TYPE "G" POLE
10/13	4–6		ALUMINUM TYPE "H" POLE
10/13	4–7		ALUMINUM TYPE "I" POLE
10/13	4–8		TYPE "J" POLE
10/13	4–9		TYPE "K" POLE
10/13	4–10		TYPE "Q" POLE
10/13	4–11		TYPE "R" POLE
10/13	4–12		TYPE "S" POLE
10/13	4–13		ALUMINUM TYPE "S" POLE
10/13	4–14	SHT 1	TYPE "T" POLE
10/13	4–14	SHT 2	TYPE "S" AND "T" STEEL TWIN LUMINAIRE MOUNTING BRACKET AND EXTENSIONS
10/13	4–15		ALUMINUM TYPE "T" POLE
10/13	4–16		TYPE "U" POLE ELLIPTICAL BASE DETAILS
10/13	4–17	SHT 1	TYPE "U" POLE SQUARE BASE
10/13	4–17	SHT 2	TYPE "U" POLE ROUND POLE / SQUARE BASE
03/10	4–17	SHT 3	TYPE "U" POLE ROUND POLE / SQUARE BASE
10/13	4–17	SHT 4	TYPE "U" POLE ROUND POLE / SQUARE BASE
10/13	4–17	SHT 5	TYPE "U" POLE ROUND POLE / SQUARE BASE
10/13	4–17	SHT 6	TYPE "U" POLE ROUND POLE / SQUARE BASE
10/13	4–18		TYPE "V" POLE AND 60' OR 65' MAST ARM
10/13	4–19		TYPE "W" POLE AND 60' OR 65' MAST ARM
03/10	4–20		POLE HAND HOLE DETAIL
03/10	4–21		EQUIPMENT MOUNTING HEIGHT DETAILS
03/15	4–22		PEDESTRIAN PUSH BUTTON POST "TYPE PB POLE"
10/13	4–23		POLE FOUNDATION ANCHOR BOLTS
03/10	4–26		STEEL MAST ARM DETAILS LUMINAIRE AND SIGNAL ARMS TO 20'
03/10	4–27		ALUMINUM TRUSS ARM DETAILS TYPE G, H, AND I POLES
03/10	4–28		SIGNAL MAST ARM CONNECTION DETAIL TYPE J AND Q POLES
03/10	4–29		SIGNAL MAST ARM CONNECTION DETAIL TYPE K AND R POLES
03/10	4–30		MAST ARM CONNECTION DETAIL TYPE V AND W POLES
03/10	4–31		SIGNAL MAST ARM TENON DETAIL
12/12	4–32		TYPICAL HIGHWAY LIGHTING OFFSETS IN CUT AND FILL SECTIONS
	T.S. 5		POLE BASES – SPECIAL
03/15	5–0		TYPE 2 AND 3 CAST ALUMINUM BREAK–AWAY BASES
12/12	5–1		TYPE 2 CAST ALUMINUM BREAK–AWAY BASE
12/12	5–2		TYPE 3 CAST ALUMINUM BREAK–AWAY BASE
12/12	5–3		INSTALLATION DETAILS FOR POLE FOUNDATIONS WITH TYPE 2 AND 3 BREAK–AWAY BASES
	T.S. 6		HIGHWAY TRAFFIC DATA DETECTORS
03/10	6–1		TYPE C VEHICLE DETECTOR LOOPS FOR TRAFFIC COUNTERS
03/10	6–2	SHT 1	TYPE SA AND SB SPEED/VEHICLE CLASSIFICATION SYSTEMS
03/10	6–2	SHT 2	TYPE SA SPEED/VEHICLE CLASSIFICATION SYSTEMS
03/10	6–2	SHT 3	TYPE SB SPEED/VEHICLE CLASSIFICATION SYSTEMS
12/12	6–3		PIEZOELECTRIC WEIGHT SENSOR AND LOOP LANE LAYOUT
12/12	6–4	SHT 1	DETECTOR LOOPS AND PIEZOELECTRIC SENSOR DETAILS
12/12	6–4	SHT 2	DETECTOR LOOPS AND PIEZOELECTRIC SENSOR DETAILS
03/15	6–4	SHT 3	DETAIL A PIEZOELECTRIC SENSOR DETAILS
12/12	6–4	SHT 4	DETAIL B DETECTOR LOOP DETAILS
12/12	6–4	SHT 5	DETECTOR LOOPS AND PIEZOELECTRIC SENSOR DETAILS
03/10	6–5		MICROLOOPS FOR SPEED/VEHICLE CLASSIFICATION
03/10	6–6		QUARTZ PIEZOELECTRIC WEIGHT SENSOR AND LOOP LANE LAYOUT
03/10	6–7		TRAFFIC DATA COLLECTION CABINET INSTALLATION DETAILS
03/10	6–8		TYPE MPD CABINET POLE, BASE AND FOUNDATION INSTALLATION DETAILS

NO.1	DESCRIPTION OF REVISION	NO.2	DESCRIPTION OF REVISION	MADE BY	DATE
	REVISED STDS 1–2, 1–11, 2–7, 4–22, 5–0, 6–4.		REVISED TS 0–1. UPDATED BORDER TITLE BLOCK.	L. LOPEZ	03/15
				L. LOPEZ	05/15

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

	NAME	DATE	
TRAFFIC SIGNAL & LIGHTING STANDARDS		05/11/2016	
PROJECT NO. WIN–0(202)T		1C–1	OF 52
RECORD DRAWING DATA	FEDERAL AID NO. SL 705 01C	REC. DWG. DATE	OF

ADOT STANDARD DRAWINGS

TRAFFIC SIGNAL AND LIGHTING STANDARDS
(SHEET 2 OF 2)
EFFECTIVE MAY 2015

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

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

NO.	DESCRIPTION OF REVISION	MADE BY	DATE
1	REVISED STDS 7–1, 11–1, 11–2, 13–3. ADDED NEW STD 1–12.	L. LOPEZ	3/15
2	REVISED TS 0–1 ON SHT1. UPDATED BORDER TITLE BLOCK.	L. LOPEZ	5/15

ADOT STANDARD DRAWINGS REVISION DATES AND STANDARD NO.'s REVIEW			
TRAFFIC SIGNAL AND LIGHTING STANDARDS	NAME		DATE 05/11/2016
PROJECT NO. WIN–0(202)T		1C–2	OF 52
RECORD DRAWING DATA	FEDERAL AID NO. SL 705 01C	REC. DWG. DATE	OF

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	WIN–0(202)T	2	52	

SL705 01C

LEGEND

- EXISTING PROPERTY LINE
- EXISTING ROAD CENTERLINE
- EXISTING EASEMENT
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING CURB
- PROPOSED CURB
- EXISTING WATER LINE
- EXISTING SANITARY SEWER LINE
- EXISTING STORM DRAIN
- EXISTING GAS LINE
- EXISTING OVERHEAD ELECTRIC LINE
- EXISTING UNDERGROUND ELECTRIC LINE
- EXISTING CABLE TV LINE
- EXISTING TELEPHONE LINE
- EXISTING FIBER OPTIC LINE
- EXISTING BARBED WIRE FENCE
- EXISTING CHAIN LINK FENCE
- EXISTING WOOD FENCE
- RAILROAD
- EXISTING WALL
- EXISTING CONCRETE
- EXISTING STRUCTURE
- EXISTING PAVEMENT
- PROPOSED CONCRETE
- PROPOSED PAVEMENT
- EXISTING WATER VALVE
- EXISTING WATER METER
- EXISTING FIRE HYDRANT
- EXISTING SANITARY SEWER MANHOLE
- EXISTING MONITORING WELL
- EXISTING GAS METER
- EXISTING ELECTRIC METER
- EXISTING UTILITY POLE
- EXISTING GUY ANCHOR
- EXISTING LIGHT POLE
- PROPOSED LIGHT POLE
- EXISTING SIGN POST
- EXISTING BOLLARD
- FOUND SECTION CORNER AS NOTED
- FOUND RIGHT–OF–WAY MONUMENT AS NOTED
- FOUND REBAR AS NOTED
- FOUND PIPE AS NOTED
- CP#564 (CONTROL POINT)
- DIRECTION OF TRAFFIC

REFERENCES

9–T–182
D–09–T–339
STP–B40–E(210)A

MIDPOINT OF PROJECT

EAST ZONE
STATE PLANE COORDINATES
N = 1,464,200
E = 541,300

DESIGN DATA

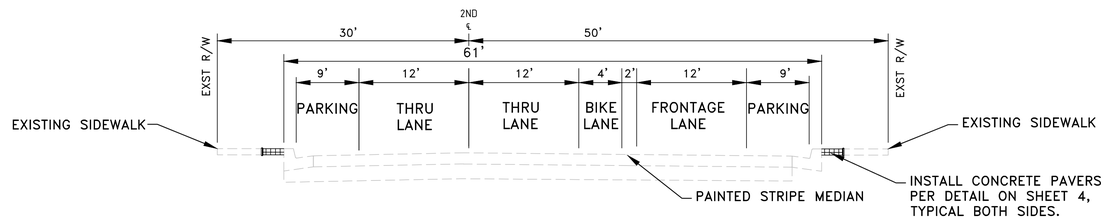
SECOND STREET = 35 MPH
THIRD STREET = 35 MPH
2010 – AADT = 4,923 SECOND STREET
2010 – AADT = 8,227 THIRD STREET

LENGTH OF PROJECT

SECOND STREET
STA 2982+00 to STA 2995+25 = 1325'
STA 3010+19 to STA 3020+39 = 1020'
NET LENGTH = 2345' = .444 Mile

THIRD STREET
STA 175+10 to STA 188+67 = 1357'
STA 200+44 to STA 210+79 = 1035'
NET LENGTH = 2392' = .453 Mile

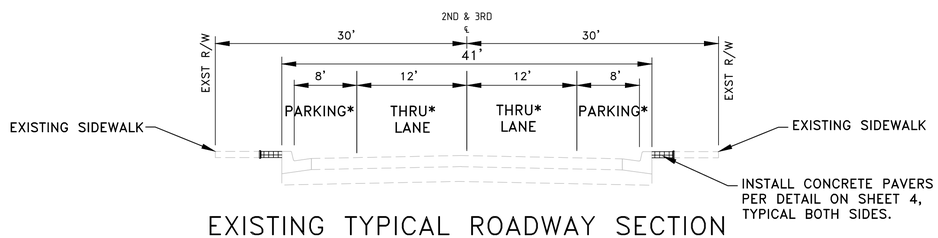
GROSS LENGTH = 4737' = .897 Mile



TYPICAL SECTION–SECOND STREET @ LA POSADA

N.T.S.

STA 3010+19 TO STA 3020+39



EXISTING TYPICAL ROADWAY SECTION

N.T.S.

SECOND & THIRD STREETS

* NOTE: WIDTH OF PARKING AND THRU LANES VARY THROUGHOUT PROJECT

INDEX OF SHEETS

1	FACE SHEET
1A–1C	ADOT STANDARD DRAWINGS
2	DESIGN SHEET
3	GEOMETRIC CONTROL SHEET
4–7	GENERAL DETAIL SHEET
8–15	REMOVAL SHEET
16–23	PLAN SHEET
24–29	RAMP DETAIL SHEET
30–34	TRAFFIC CONTROL SHEET
35–43	ELECTRICAL PLAN SHEET
44–49	SIGNING & PAVEMENT MARKING SHEET
50–51	SWPPP/EROSION/SEDIMENT CONTROL PLAN
52	SAND BAG DETAIL

GENERAL NOTES

THE ROADWAY PLANS HAVE BEEN DESIGNED UTILIZING THE 2012 ADOT CONSTRUCTION STANDARD DRAWINGS (C–SERIES), AND CURRENT REVISIONS. SEE SHEET 1A FOR THE LATEST REVISIONS.

THE LIGHTING PLANS HAVE BEEN PREPARED IN ACCORDANCE WITH THE ADOT TRAFFIC SIGNALS AND LIGHTING STANDARDS AND CURRENT REVISIONS. SEE SHEET 1C FOR THE LATEST REVISIONS.

THE PROJECT ROADWAY SHALL BE STRIPED BY THE CONTRACTOR IN ACCORDANCE WITH THE CURRENT EDITION OF THE ADOT SIGNING AND MARKING STANDARD DRAWINGS (M&S SERIES) AND THE PAVEMENT MARKING PLANS. SEE SHEET 1B FOR THE LATEST REVISIONS.

THE HORIZONTAL LOCATION OF EXISTING UTILITIES ARE SHOWN IN THEIR APPROXIMATE LOCATION. THE VERTICAL LOCATION OF EXISTING UTILITIES ARE SHOWN ONLY WHERE VERIFIED BY FIELD SURVEY METHODS.THE CONTRACTOR SHALL BE RESPONSIBLE TO ADHERE TO ALL CURRENT BLUE STAKE LAWS AND SECTION 107.15 OF THE STANDARD SPECIFICATIONS.

ALL TRAFFIC CONTROL DEVICES WITHIN THE LIMITS OF THIS PROJECT SHALL CONFORM TO THE 2009 EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREET AND HIGHWAYS (FEDERAL HIGHWAY ADMINISTRATION) AND THE 2009 EDITION OF THE ARIZONA SUPPLEMENT TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (ARIZONA DEPARTMENT OF TRANSPORTATION).

THE AVERAGE PROJECT ELEVATION IS 4854.0'.

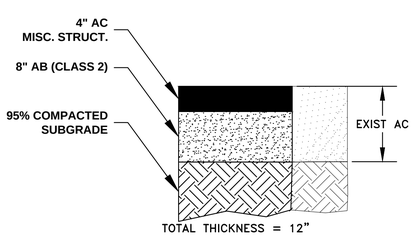
NEW R/W IS NOT REQUIRED.

ELEVATIONS SHOWN IN THE PLANS ARE BASED ON A FIELD SURVEY COMPLETED IN SEPTEMBER, 2011. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING AND MATCHING EXISTING ELEVATIONS.

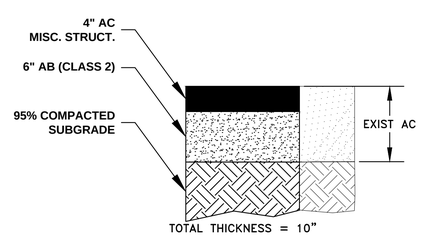
EARTHWORK QUANTITIES

ROADWAY EXCAVATION	286 C.Y.
WASTE	286 C.Y.

NOTE: THE ROADWAY EXCAVATION IS GENERATED FROM THE INSTALLATION OF 3" OF AB PLACED UNDER NEW CURB & GUTTER, SIDEWALKS, DRIVEWAYS AND VALLEY GUTTERS.



PAVEMENT STRUCTURAL SECTION NO. 1



PAVEMENT STRUCTURAL SECTION NO. 2

FN: 110503	NAME	DATE
DESIGN	SDP	02/16
DRAWN	RRW	02/16
CHECKED	MWW	05/16

WOODSON
ENGINEERING AND SURVEYING, INC.
724 N. Elden St. • Flagstaff, AZ 86001
(928) 774–4636 • Fax (928) 774–4646

CITY OF WINSLOW
21 WILLIAMSON AVE
WINSLOW, AZ 86047

DESIGN SHEET

ROUTE: SR 66
LOCATION: 2ND ST AND 3RD ST: PRAIRIE AVE – SNIDER AVE

Registered Professional Engineer (CIVIL) CERTIFICATE NO. 10518 JEFFREY A. SWAN Date Signed 05-02-16 ARIZONA, U.S.A.

EXPIRES 6/30/2016

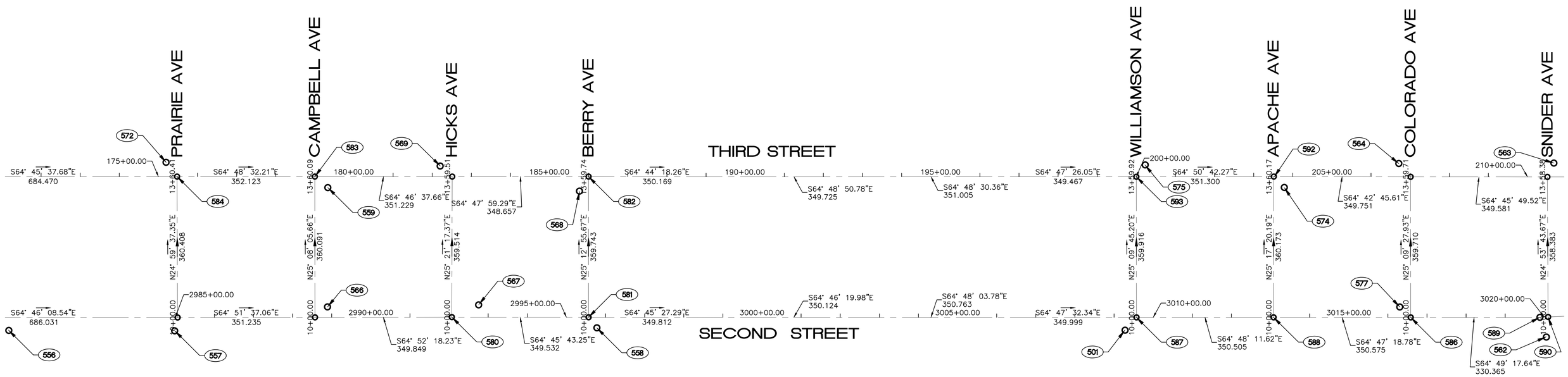
SHEET 1 OF 1

TRACS NO. WIN SL705 01C | WIN–0(202)T | ___ OF ___

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

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	WIN-0(202)T	3	52	

SL705 01C



ALIGNMENT CONTROL POINTS

POINT	STATION	NORTHING	EASTING	ELEVATION	DESCRIPTION	CROSS STREET	
3RD STREET						NAME	STATION
	168+63.16	8671.9444	11810.4783		CALC PT		
584	175+47.63	8380.0840	12429.6040	4860.01	ADOT BCHH	PRAIRIE AVE	13+60.41
583	178+99.75	8230.2070	12748.2380	4854.65	ADOT BCHH	CAMPBELL AVE	13+60.09
	182+50.98	8080.5340	13065.9800		CALC PT	HICKS AVE	13+59.51
582	185+99.63	7932.0819	13381.4540	4853.41	ADOT BCHH	BERRY AVE	13+59.74
	189+49.80	7782.6466	13698.1361		CALC PT		
	192+99.53	7633.8190	14014.6130		CALC PT		
	196+50.53	7484.4150	14332.2340		CALC PT		
593*	200+00.00	7335.5670	14648.4170	4851.04	ACHH	WILLIAMSON AVE	13+59.92
592	203+51.30	7186.2410	14966.4000	4850.06	ADOT BCHH	APACHE AVE	13+60.17
	207+01.05	7036.8420	15282.6370		CALC PT	COLORADO AVE	13+59.71
	210+50.63	6887.7974	15598.8535		CALC PT	SNIDER AVE	13+58.38
2ND STREET							
	2978+19.89	8345.8600	11656.7438		CALC PT		
	2985+05.92	8053.4270	12277.3250		CALC PT	PRAIRIE AVE	10+00.00
	2988+57.15	7904.2130	12595.2890		CALC PT	CAMPBELL AVE	10+00.00
580	2992+07.00	7755.6510	12912.0280	4854.96	ADOT BCHH	HICKS AVE	10+00.00
581	2995+56.53	7606.6180	13228.1950	4854.62	ADOT BCHH	BERRY AVE	10+00.00
	2999+06.34	7457.4410	13544.6040		CALC PT		
	3002+56.47	7308.2120	13861.3330		CALC PT		
	3006+07.23	7158.8700	14178.7160		CALC PT		
587*	3009+57.23	7009.8050	14495.3850	4851.51	ADOT BCHH	WILLIAMSON AVE	10+00.00
588	3013+07.74	6860.5850	14812.5400	4850.65	ADOT BCHH	APACHE AVE	10+00.00
586	3016+58.31	6711.2540	15129.7200	4849.44	ADOT BCHH	COLORADO AVE	10+00.00
589	3019+88.76	6570.7040	15428.6960	4851.92	ADOT BCHH		
590	3020+09.56	6562.7160	15447.9870	4852.03	ADOT BCHH	SNIDER AVE	10+00.00

* MATCHING STATION TO PROJECT STP-B40-E(210)A

CONTROL NOTES

1. THE GEOMETRIC CONTROL FOR THIS PROJECT IS BASED ON FIELD SURVEY PERFORMED BY WOODSON ENGINEERING & SURVEY DURING SEPTEMBER, 2011. THE POINT NUMBERS SHOWN ARE THOSE ACTUALLY COLLECTED IN THE FIELD.
2. THE STATIONING IS BASED ON MATCHING PROJECT #STP-B40-E(210)A AT THE INTERSECTIONS OF WILLIAMSON AVE AND SECOND & THIRD STREETS RESPECTIVELY.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL BEARINGS AND DISTANCES PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITIES.

SURVEY CONTROL POINTS

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
501	6992.5800	14455.0000	1852.02	PK NAIL SW COR WILLIAMSON/2ND
556	82007.1800	11872.8300	4861.03	PK NAIL SE COR ICEHOUSE WASH/2ND
557	8025.6700	12256.0400	4860.25	PK NAIL SOUTHSIDE PRAIRIE/2ND
558	7573.0700	13235.9600	4855.36	PK NAIL SE COR BERY/2ND
559	8190.4800	12766.2500	4855.56	PK NAIL SE COR CAMPBELL/3RD
562	6518.1100	15421.7500	4852.53	PK NAIL SOUTHSIDE SNIDER/2ND
563	6912.6800	15628.9500	4848.96	PK NAIL NE COR SNIDER/3RD
564	7080.3700	15269.8800	4849.83	PK NAIL NW COR COLORADO/3RD
566	7914.7700	12635.5500	4857.64	PK NAIL NE COR CAMPBELL/2ND
567	7754.8900	12987.2600	4855.66	PK NAIL EAST NE COR HICKS/2ND
568	7908.5300	13344.5200	4854.41	PK NAIL SW COR BERRY/3RD
569	8118.1800	13049.7000	4854.41	PK NAIL NW COR HICKS/3RD
572	8425.2500	12419.7400	4861.40	PK NAIL NW COR PRAIRIE/3RD
574	7149.5800	14978.8900	4850.68	PK NAIL SE COR APACHE/3RD
575	7353.2200	14681.8000	4851.70	PK NAIL NE COR WILLIAMSON/3RD
577	6747.4100	15114.7500	4850.66	PK NAIL NW COR COLORADO/2ND

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CITY OF WINSLOW
21 WILLIAMSON AVE
WINSLOW, AZ 86047

GEOMETRIC CONTROL SHEET

ROUTE: SR 66
LOCATION: 2ND ST AND 3RD ST: PRAIRIE AVE – SNIDER AVE

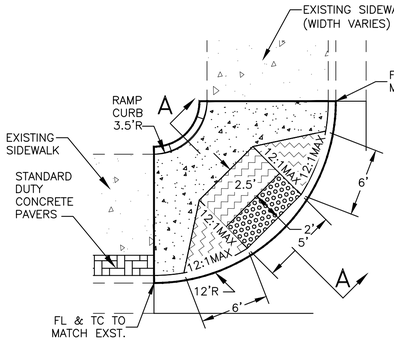
Registered Professional Engineer (Civil) CERTIFICATE NO. 10518 JEFFREY A. SWAN Date Signed 05-09-16 ARIZONA, U.S.A.
EXPIRES 6/30/2016

SHEET 1 OF 1

TRACS NO. WIN SL705 01C | WIN-0(202)T | ___ OF ___

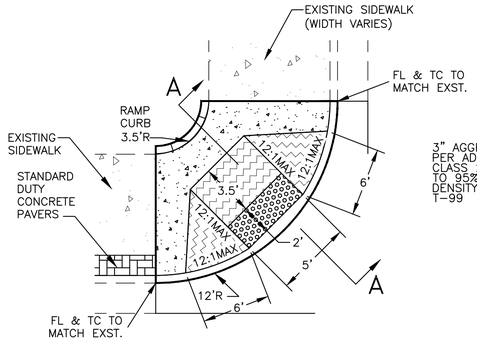
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	WIN-0(202)T	4	52	

SL705 01C



TYPE A

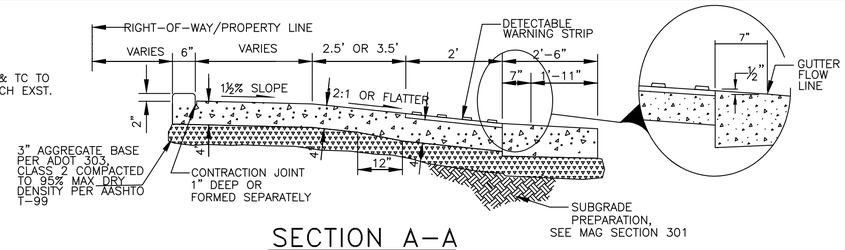
N.T.S.



TYPE B

N.T.S.

SEE RAMP DETAIL SHEETS FOR TYPE OF RAMP AT EACH LOCATION.

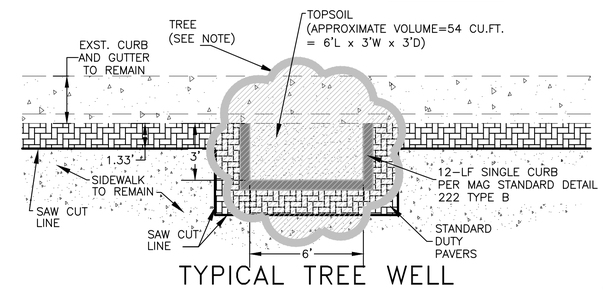


SECTION A–A

NOTES:
1. RAMP CENTERLINE SHALL BE RADIAL FROM MIDPOINT OF ARC.
2. SIDEWALK RAMPS SHOWN FROM PC TO PT. REFER TO PLAN LOCATIONS FOR ACTUAL EXTENTS.
3. RAMPS SHALL RECEIVE A ROUGH BROOM FINISH EXCLUDING TRUNCATED DOMES AND PAVERS.
4. RAMP QUANTITIES ARE MEASURED PER EACH ITEM. AREA INCLUDED WITHIN BOLD LINE IS THE PAY ITEM.
5. CLASS 'B' CONCRETE PER MAG SECTION 725
6. MATCH EXISTING CURB, GUTTER AND SIDEWALK.
7. DETECTABLE STRIP TO BE MAROON
8. EXPANSION JOINTS SHALL CONFORM TO ADOT STANDARD SPECIFICATION 908.
9. EXPANSION JOINT AT PC AND PT.
10. RAMP CURB HEIGHT TO MATCH SIDEWALK ELEVATION AT EACH END.
11. MAXIMUM SLOPE OF THE FLARED SIDE SHALL COMPLY WITH ADA STANDARDS FOR ACCESSIBLE DESIGN.
12. CURB RAMP SHALL CONFORM TO MAG SD NO 234 ON SHEET 5.

SIDEWALK RAMP (1)

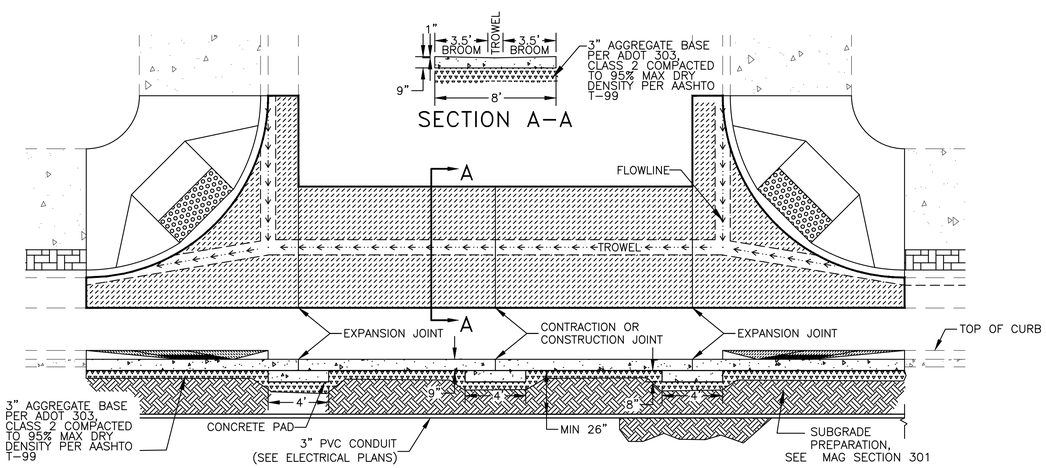
N.T.S.



TYPICAL TREE WELL (4)

N.T.S.

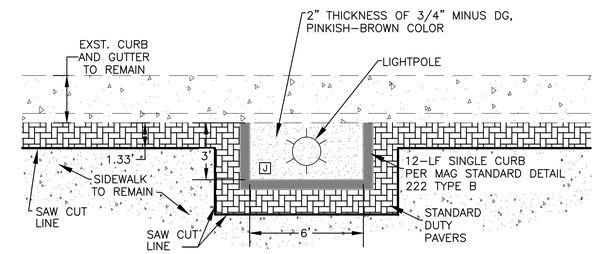
NOTE:
1. THE CITY WILL INSTALL TREE AFTER CONSTRUCTION IS COMPLETED.
2. DEPTH OF EACH PIT TO BE AS-BUILT.



NOTES:
1. ALL CONCRETE SHALL BE CLASS 'S' PER ADOT SPECIFICATIONS.
2. A SEPARATE CONCRETE PAD IS REQUIRED AT ALL CONSTRUCTION AND EXPANSION JOINTS. THESE PADS ARE INCIDENTAL AND INCLUDED IN THE SQUARE FOOT PRICE FOR VALLEY GUTTER.
3. VALLEY GUTTERS ARE MEASURED IN SQUARE FOOT. AREA INCLUDED WITHIN BOLD LINE IS THE PAY ITEM. INCLUDING APRON/SPANDREL ON BOTH SIDES AND GUTTER PAN.
4. TRENCH WITH ELECTRIC CONDUIT TO CROSS INTERSECTIONS UNDER VALLEY GUTTER, STRAIGHT ACROSS.
5. THE TRENCH AND ELECTRICAL CONDUIT WILL BE PAID UNDER A SEPARATE BID ITEM.

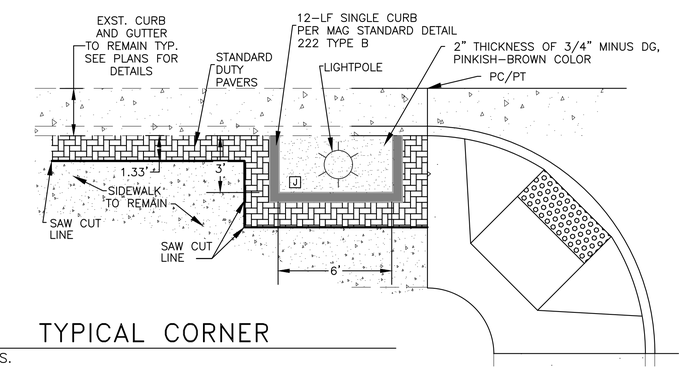
8' VALLEY GUTTER (2)

N.T.S.



TYPICAL MIDBLOCK

N.T.S.



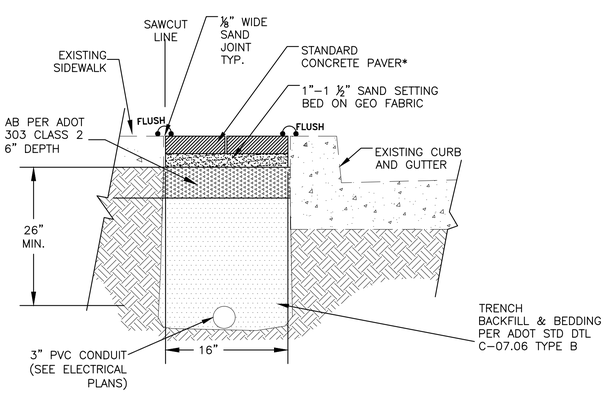
TYPICAL CORNER

N.T.S.

NOTE:
1. ALL ITEMS WILL BE PAID UNDER SEPARATE BID ITEMS.
2. STATION ON PLANS INDICATES THE CENTER OF THE LIGHT POLE. CENTER OF POLE TO BE 1.5 FEET BACK OF CURB.
3. THE CITY WILL PROVIDE THE LUMINAIRE BULB.

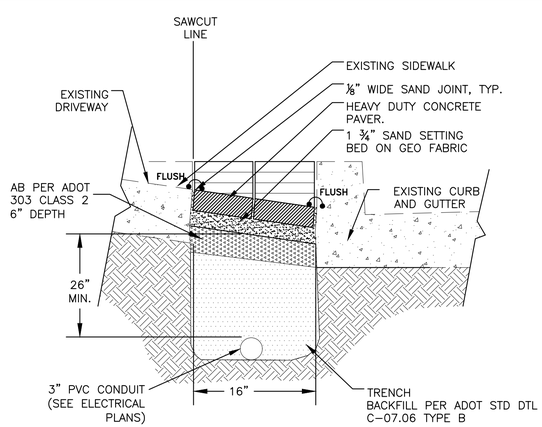
LIGHT WELL (5)

N.T.S.



STANDARD PAVER TRENCH SECTION

N.T.S.



HEAVY DUTY PAVER TRENCH SECTION AT DRIVEWAYS

N.T.S.

CONCRETE PAVER TRENCH SECTION (3)

GEO FABRIC NOTES:
GEO FABRIC SHALL BE NON WOVEN NEEDLE PUNCHED FABRIC MADE FROM POLYOLEFINS OR POLYESTERS; WITH ELONGATION GREATER THAN 50 PERCENT; COMPLYING WITH AASHTO M 288 AND THE FOLLOWING:
A. APPARTENT OPENING SIZE: NO. 40 SIEVE (0.425MM) MAX; ASTM D4751
B. PERMITTIVITY: 0.5 PER SECOND. MIN. ASTM D 4491
REFER TO REMOVAL PLANS FOR SAW CUT LOCATIONS.

NOTES:
1. TRENCH WITH ELECTRIC CONDUIT TO STAY AT BACK OF CURB AT TREE AND STREET LIGHT LOCATIONS.
2. PAVERS SHALL BE RED IN COLOR AND SIZED PER THE CHART BELOW.
3. THE AGGREGATE BASE AND TRENCH AND ELECTRICAL CONDUIT WILL BE PAID UNDER A SEPARATE BID ITEM.

PAVER	LENGTH	WIDTH	HEIGHT
STANDARD	7 3/16"	3⅛"	1¾"
HEAVY*	7 3/16"	3⅛"	3⅛"

* HEAVY DUTY PAVERS TO BE USED FOR ALL DRIVEWAYS AS SHOWN ON PLANS. DRIVEWAY WIDTH TO INCLUDE WINGS.

FN: 110503	NAME	DATE
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WINSLOW, AZ 86047

GENERAL DETAIL SHEET

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 10518 JEFFREY A. SWAN Date Signed 05-20-16 ARIZONA, U.S.A.

EXPIRES 6/30/2016

ROUTE: SR 66
LOCATION: 2ND ST AND 3RD ST: PRAIRIE AVE – SNIDER AVE

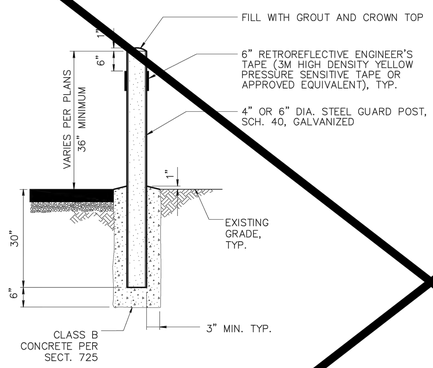
SHEET 1 OF 4

TRACS NO. WIN SL705 01C | WIN-0(202)T | ___ OF ___

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

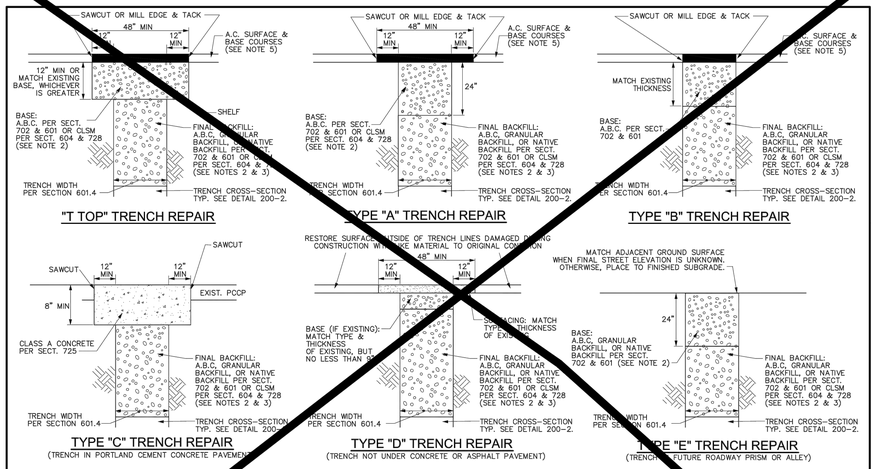
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	WIN-0(202)T	5	52	

SL705 01C



TYPE 1 PERMANENT

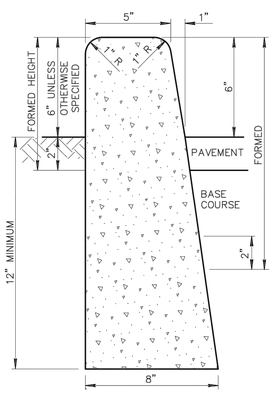
DETAIL NO.			REVISED	DETAIL NO.
140	MARICOPA ASSOCIATION of GOVERNMENTS STANDARD DETAIL ENGLISH	BOLLARD–MODIFIED	01–01–2009	140



NOTES:

1. PAVEMENT MATCHING AND SURFACE REPLACEMENT SHALL BE IN ACCORDANCE WITH SECTION 336.
2. TYPE OF BACKFILL AND BASE (IF APPLICABLE) SHALL BE AS NOTED HEREIN UNLESS OTHERWISE SPECIFIED IN CONTRACT DOCUMENTS. IF NOT SPECIFIED, CLSM SHALL BE 1/2-SACK PER SECTIONS 604 AND 728.
3. TRENCHES LESS THAN 24" WIDE SHALL BE BACKFILLED FROM TOP OF INITIAL BACKFILL TO BOTTOM OF SURFACING MATERIALS WITH 1/2-SACK CLSM PER SECTIONS 604 AND 728.
4. BASE, FINAL BACKFILL, AND PIPE EQUIPMENT ZONE COMPACTION REQUIREMENTS SHALL BE IN ACCORDANCE WITH SECTION 601.
5. ASPHALT CONCRETE SURFACE AND BASE COURSES SHALL COMPLY WITH SECTION 336.2.4.1 UNLESS OTHERWISE SPECIFIED IN CONTRACT DOCUMENTS.
6. USE TYPE "A" FOR LONGITUDINAL TRENCH REPAIR AND USE "T-TOP" FOR TRANSVERSE TRENCH REPAIR (SEE DETAIL 200-2) UNLESS OTHERWISE SPECIFIED IN CONTRACT DOCUMENTS. TYPE "B" TRENCH REPAIR MAY BE USED FOR TRANSVERSE TRENCH REPAIR IF SPECIFIED BY THE AGENCY.
7. PROVIDE MINIMUM 12" WIDE SHELF AS SHOWN IN "T-TOP" TRENCH REPAIR AT ENDS OF TYPE "A" TRENCH REPAIR EXCEPT WHERE EDGE ABUTS EXISTING CONCRETE.
8. USE "T-TOP" PAVEMENT REPLACEMENT WHERE A TRENCH IS NOT PARALLEL TO A STREET OR GOES THROUGH AN INTERSECTION.
9. SEE DETAIL 200-2 FOR REMNANT PAVEMENT REMOVAL REQUIREMENTS.
10. EXPOSED COPPER OR POLYETHYLENE WATER PIPE UP TO 2" IN DIAMETER IN TRENCHES TO BE BACKFILLED WITH CLSM SHALL BE WRAPPED WITH MINIMUM 3/4" THICK PREFORMED PIPE-COVERING WITH INSULATION BEFORE PLACING CLSM.

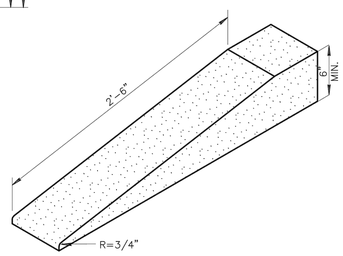
DETAIL NO.			REVISED	DETAIL NO.
2001	MARICOPA ASSOCIATION of GOVERNMENTS STANDARD DETAIL ENGLISH	BACKFILL, PAVEMENT AND SURFACE REPLACEMENT	01-01-2015	2001



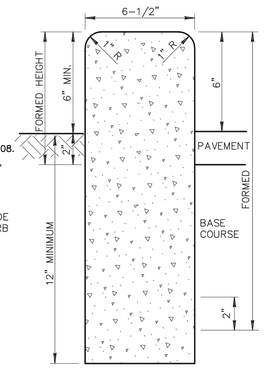
TYPE 'A'

NOTES:

1. ALL VERTICAL SURFACES TO BE FORMED.
2. VERTICAL SURFACES DOWN FROM 2" BELOW UNDISTURBED SOIL MAY BE PLACED AGAINST NEAT CUT IF APPROVED BY THE ENGINEER AND CONCRETE WILL NOT EXTEND MORE THAN 1" BEYOND THEORETICAL FACE.
3. ALL EXPOSED SURFACES TO BE STRIPPED GREEN AND TROWEL FINISHED.
4. CONCRETE CURBS CONFORM TO ADOT STD. SPEC. 908.
5. MAXIMUM SPACING OF CONTRACTION JOINTS IS 10'
6. CONCRETE TO BE CLASS 'B' PER SECT. 725.
7. WHEN PAVEMENT AND BASE COURSE EQUALS OR EXCEEDS 10" IN DEPTH, THE ENTIRE ROADWAY SIDE OF THE CURB SHALL BE FORMED. THE TOTAL CURB HEIGHT REMAINS 18" UNLESS NOTED OTHERWISE.

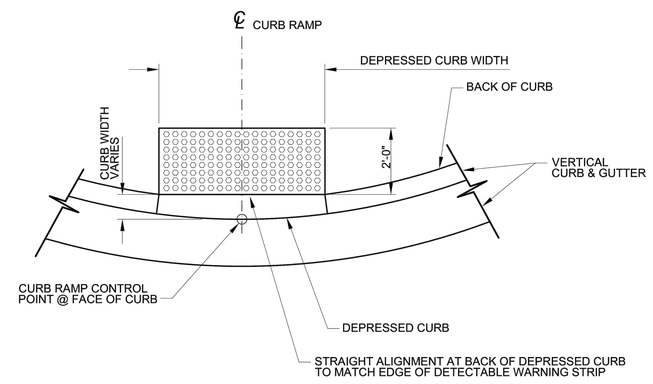


TYPICAL CURB TERMINATION



TYPE 'B'

DETAIL NO.			REVISED	DETAIL NO.
222	MARICOPA ASSOCIATION of GOVERNMENTS STANDARD DETAIL ENGLISH	SINGLE CURB – TYPES A, B AND TERMINATION	01–01–2008	222



PLAN VIEW

DETAIL NO.			REVISED	DETAIL NO.
234	MARICOPA ASSOCIATION of GOVERNMENTS STANDARD DETAIL ENGLISH	CURB MODIFICATION AT DETECTABLE WARNING	01–01–2012	234

FN: 110503	NAME	DATE
DESIGN	SDP	02/16
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GENERAL DETAIL SHEET

Registered Professional Engineer (Civil) CERTIFICATE NO. 10518 JEFFREY A. SWAN Date Signed 05-09-16 ARIZONA, U.S.A.

EXPIRES 6/30/2016

ROUTE	LOCATION
SR 66	2ND ST AND 3RD ST: PRAIRIE AVE – SNIDER AVE

SHEET 2 OF 4

TRACS NO. WIN SL705 01C | WIN-0(202)T | ___ OF ___

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

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
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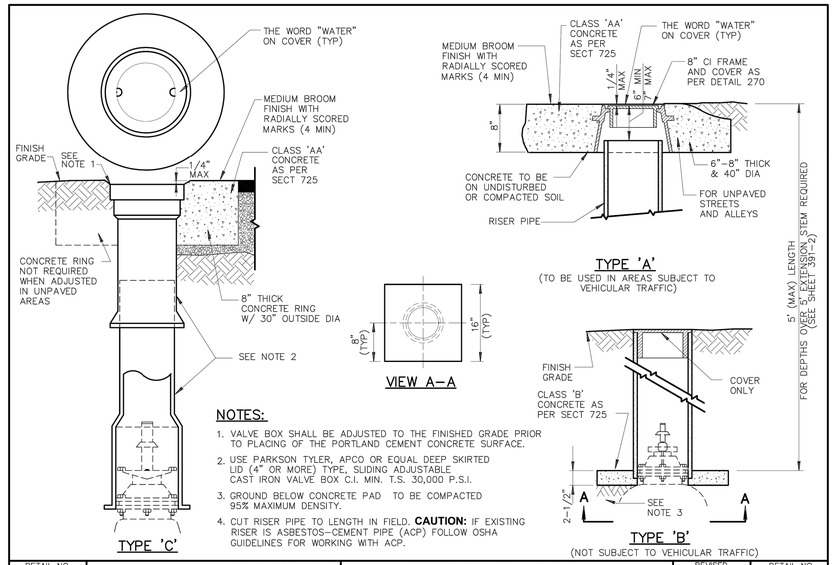
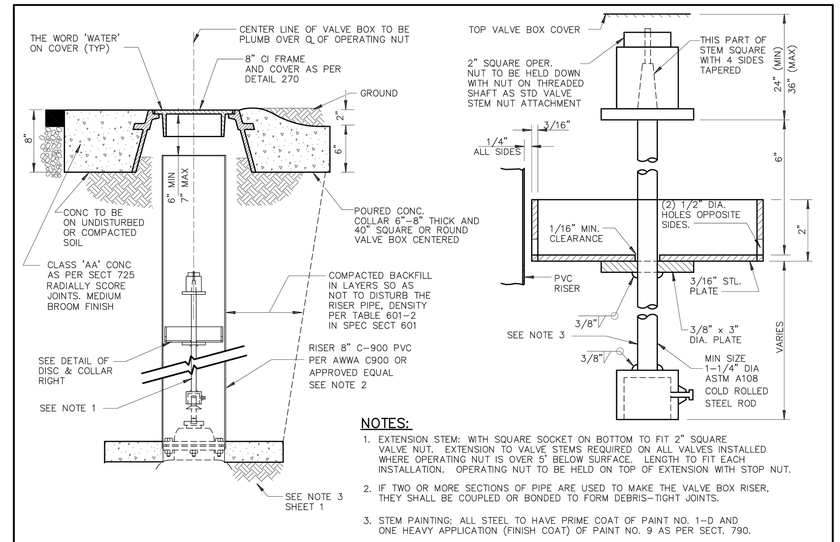
SL705 01C



NOTES:

1. VALVE BOX SHALL BE ADJUSTED TO THE FINISHED GRADE PRIOR TO PLACING OF THE PORTLAND CEMENT CONCRETE SURFACE.
2. USE PARKSON TYLER, APCO OR EQUAL DEEP SKIRTED LID (4" OR MORE) TYPE, SLIDING ADJUSTABLE CAST IRON VALVE BOX C.I. MIN. T.S. 30,000 P.S.I.
3. GROUND BELOW CONCRETE PAD TO BE COMPACTED 95% MAXIMUM DENSITY.
4. CUT RISER PIPE TO LENGTH IN FIELD. **CAUTION:** IF EXISTING RISER IS ASBESTOS-CEMENT PIPE (ACP) FOLLOW OSHA GUIDELINES FOR WORKING WITH ACP.

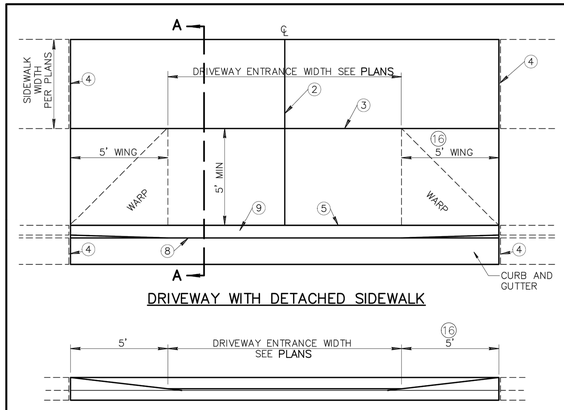
DETAIL NO.	MARICOPA ASSOCIATION of GOVERNMENTS	STANDARD DETAIL ENGLISH	VALVE BOX INSTALLATION AND GRADE ADJUSTMENT	REVISED	DETAIL NO.
391-1				01-01-2015	391-1



NOTES:

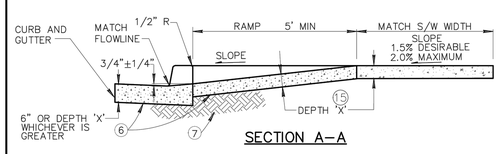
1. EXTENSION STEM: WITH SQUARE SOCKET ON BOTTOM TO FIT 2" SQUARE VALVE NUT. EXTENSION TO VALVE STEMS REQUIRED ON ALL VALVES INSTALLED WHERE OPERATING NUT IS OVER 5' BELOW SURFACE. LENGTH TO FIT EACH INSTALLATION. OPERATING NUT TO BE HELD ON TOP OF EXTENSION WITH STOP NUT.
2. IF TWO OR MORE SECTIONS OF PIPE ARE USED TO MAKE THE VALVE BOX RISER, THEY SHALL BE COUPLED OR BONDED TO FORM DEBRIS-TIGHT JOINTS.
3. STEM PAINTING: ALL STEEL TO HAVE PRIME COAT OF PAINT NO. 1-D AND ONE HEAVY APPLICATION (FINISH COAT) OF PAINT NO. 9 AS PER SECT. 790.

DETAIL NO.	MARICOPA ASSOCIATION of GOVERNMENTS	STANDARD DETAIL ENGLISH	VALVE BOX INSTALLATION AND GRADE ADJUSTMENT	REVISED	DETAIL NO.
391-2				01-01-2015	391-2



NOTES:

1. DEPRESSED CURB SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE TYPE OF CURB USED AT THAT LOCATION.
2. CONTRACTION JOINT ON D/W CENTERLINE.
3. CONTRACTION JOINT.
4. 1/2 INCH EXPANSION JOINTS SHALL COMPLY WITH MAG SECTION 340.
5. BACK OF CURB – CONSTRUCTION JOINT.
6. CONCRETE SHALL BE CLASS A PER MAG SECTION 725.
7. SCARIFY SUBGRADE 9" AND PREP PER MAG SECTION 301. INSTALL 3" OF CLASS 2 AB PER ADOT 303 BELOW CONCRETE, COMPACTED TO 95% DRY DENSITY PER AASHTO T-99.
8. FLOW LINE OF GUTTER.
9. DEPRESSED CURB.
10. ROUGH BROOM FINISH FULL WIDTH OF RAMP AND WINGS.
11. TROWEL AND USE LIGHT HAIR BROOM FINISH FOR WLAKWAY AREA.
12. DRIVEWAY WIDTH WILL BE AS SHOWN ON PLANS.
14. ELEVATION AT TOP OF DRIVEWAY RAMP SHALL BE EQUAL TO OR HIGHER THAN NORMAL CURB ELEVATION.
15. DEPTH SHALL BE 6" UNLESS OTHERWISE SHOWN ON PLANS.
16. WHERE CURB HEIGHT IS GREATER THAN 6.5", WINGS SHALL BE 6" WIDE.



DETAIL NO.	MARICOPA ASSOCIATION of GOVERNMENTS	STANDARD DETAIL ENGLISH	DRIVEWAY ENTRANCES WITH DETACHED SIDEWALK-MODIFIED	REVISED	DETAIL NO.
250-1				01-01-2014	250-1

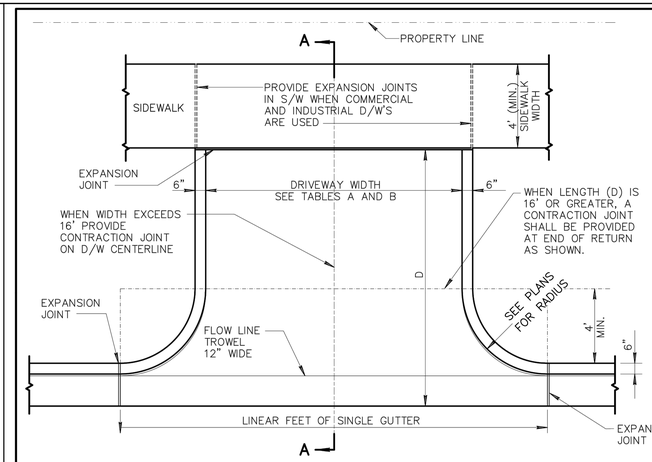


TABLE A

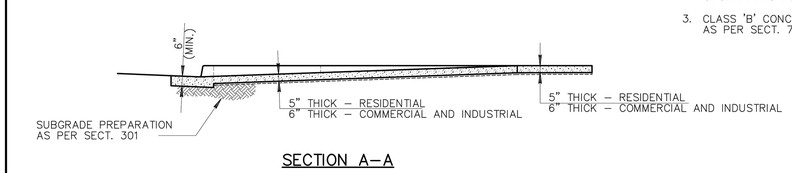
ZONING COMMERCIAL AND INDUSTRIAL	DRIVEWAY WIDTH MIN.*	MAX.
COMMERCIAL	16'	40'
INDUSTRIAL	16'	40'
* 24' WHERE 2-WAY TRAFFIC IS ANTICIPATED		

TABLE B

ZONING RESIDENTIAL	DRIVEWAY WIDTH MIN.*	MAX.
MAJOR STREET	16'	30'
COLLECTOR STREET	12'	30'
LOCAL STREET	12'	30'
* 16' WIDTH IS DESIRABLE		

NOTES:

1. EXPANSION JOINTS SHALL COMPLY TO SECTION 340.
2. THIS TYPE D/W TO BE USED ONLY UPON APPROVAL OF ENGINEER.
3. CLASS 'B' CONCRETE CONSTRUCTION AS PER SECT. 725



DETAIL NO.	MARICOPA ASSOCIATION of GOVERNMENTS	STANDARD DETAIL ENGLISH	RETURN TYPE DRIVEWAYS-MODIFIED	REVISED	DETAIL NO.
251				01-01-2003	251

FN: 110503	NAME	DATE
DESIGN	SDP	02/16
DRAWN	RRW	02/16
CHECKED	MWW	05/16

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21 WILLIAMSON AVE
WINSLOW, AZ 86047

GENERAL DETAIL SHEET

ROUTE: SR 66
LOCATION: 2ND ST AND 3RD ST: PRAIRIE AVE – SNIDER AVE

Registered Professional Engineer (Civil) CERTIFICATE NO. 10518 JEFFREY A. SWAN Date Signed 05-09-16 ARIZONA, U.S.A.
EXPIRES 6/30/2016

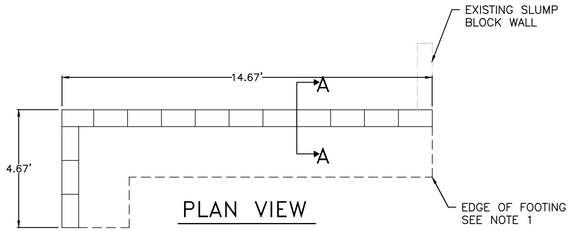
SHEET 3 OF 4

TRACS NO. WIN SL705 01C | WIN-0(202)T | ___ OF ___

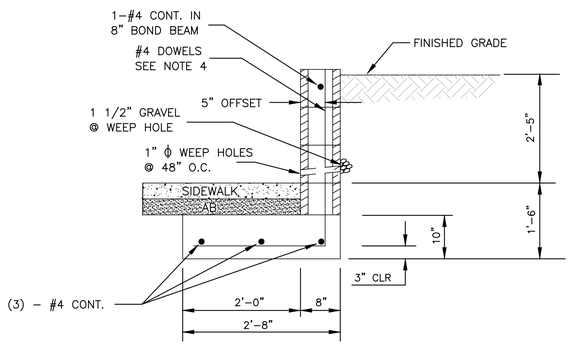
SURVEY NO. | FINISHED PLANS | REVISIONS | LOCATION | DATE

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	WIN-0(202)T	7	52	

SL705 01C



PLAN VIEW



SECTION A-A

NOTES:

1. FOOTING CONCRETE SHALL BE CLASS "A" PER MAG SS 725.
2. THE WALL HEIGHT SHALL MATCH THE EXISTING WALL.
3. #4 REBAR SHALL BE USED FOR HORIZONTAL AND VERTICAL RE-INFORCING. REBAR SHALL HAVE 2" MINIMUM CLEAR COVER.
4. VERTICAL REBAR SHALL BE PLACED 24' O.C. MAX.
5. GROUT ALL VOIDS IN BLOCK.
6. ½" BITUMINOUS EXPANSION MATERIAL SHALL BE PLACED BETWEEN THE WALL AND NEW SIDEWALK.

MASONRY RETAINING WALL DETAIL (6)

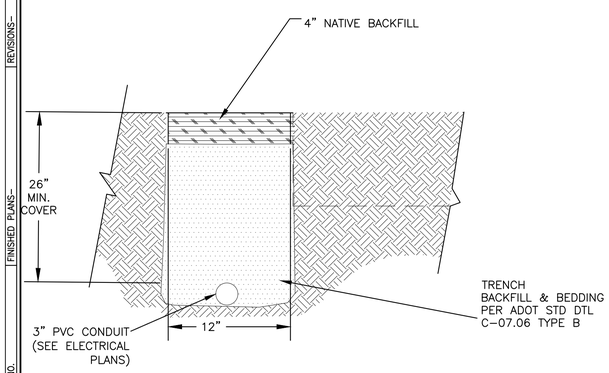
NOT TO SCALE

STREET LIGHT POLE AND MAST ARM DETAIL (8)

SEE SHEET 35

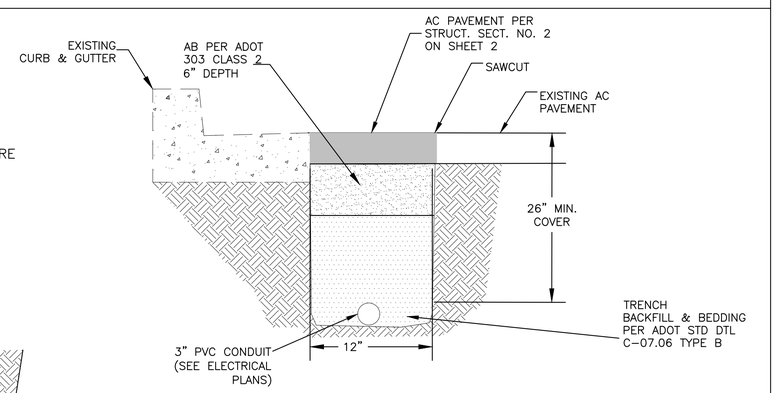
NOTE:

1. THE 3" PVC CONDUIT AND ASSOCIATED TRENCH ARE CONSIDERED ONE BID ITEM.



PARKWAY TRENCH SECTION

N.T.S.



STREET TRENCH SECTION

N.T.S.

ELECTRICAL SERVICE DETAIL (7)

NOT TO SCALE

FN: 110503	NAME	DATE
DESIGN	SDP	02/16
DRAWN	RRW	02/16
CHECKED	MWW	05/16

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GENERAL DETAIL SHEET

Registered Professional Engineer (Civil) CERTIFICATE NO. 10518 JEFFREY A. SWAN Date signed 05-09-16 ARIZONA, U.S.A.

EXPIRES 6/30/2016

ROUTE	LOCATION
SR 66	2ND ST AND 3RD ST: PRAIRIE AVE - SNIDER AVE

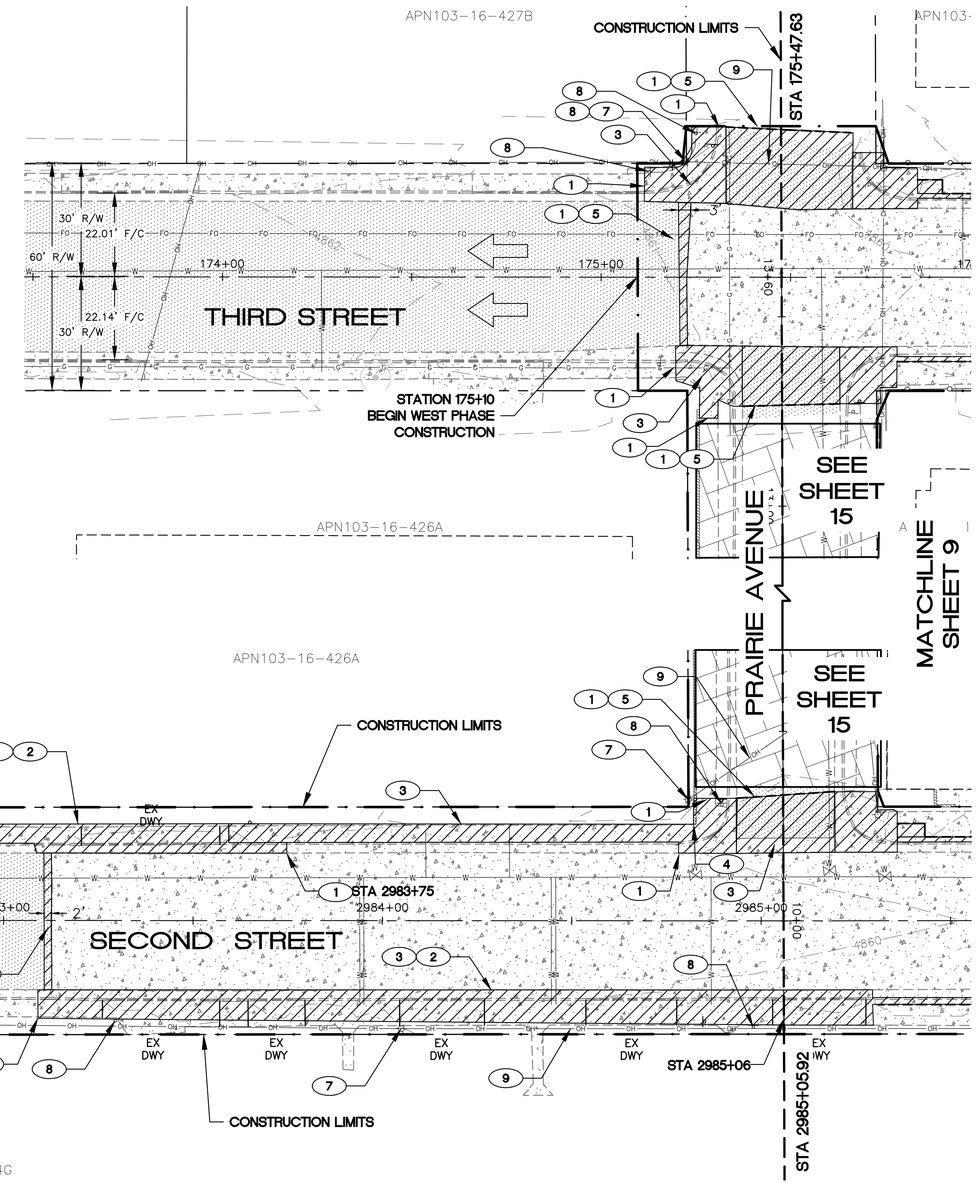
SHEET 4 OF 4

TRACS NO. WIN SL705 01C | WIN-0(202)T | ___ OF ___

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

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	WIN-0(202)T	8	52	

SL705 01C



0 10 20 40

SCALE: 1" = 20'
CONTOUR INTERVAL: 1'

REMOVAL NOTES

1. SAWCUTTING
2. (264 L.F.) REMOVE AND DISPOSE OF EXISTING CURB AND GUTTER AT APPROVED LOCATION.
3. (2850 S.F.) REMOVE EXISTING CONCRETE SIDEWALK, VALLEY GUTTER, RAMPS AND DRIVEWAY TO NEAREST JOINT. DISPOSE OF MATERIAL AT APPROVED LOCATION.
4. (7 L.F.) REMOVE EXISTING BRICK WALL
5. (84 S.Y.) REMOVE EXISTING ASPHALT CONCRETE. DISPOSE OF MATERIAL AT AN APPROVED LOCATION.
7. (4 EA.) REMOVE EXISTING LIGHT POLE. SEE ELECTRICAL SHEETS. SALVAGE LIGHT BULB TO CITY
8. (6 EA.) REMOVE EXISTING SIGN POST AND FOUNDATION. STORE PANEL FOR REINSTALL.
9. (1 L. SUM) REMOVAL OF OVERHEAD POWERLINE, CONTRACTOR TO COORDINATE WITH APS.

LEGEND

- DEMO AREA
- TRAFFIC FLOW ARROW
- LIMITS OF CONSTRUCTION
- EXISTING AC PAVEMENT
- EXISTING PCC PAVEMENT
- SHEET CUT AREA

FN: 110503	NAME	DATE
DESIGN	SDP	02/16
DRAWN	RRW	02/16
CHECKED	MWW	05/16

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21 WILLIAMSON AVE
WINSLOW, AZ 86047

REMOVAL SHEET
THIRD ST. 173+50 TO 175+50
SECOND ST. 2980+50 TO 2985+10

ROUTE: SR 66
LOCATION: 2ND ST AND 3RD ST: PRAIRIE AVE – SNIDER AVE

Registered Professional Engineer (Civil) CERTIFICATE NO. 10518 JEFFREY A. SWAN Date Signed 05-09-16 ARIZONA, U.S.A.

EXPIRES 6/30/2016

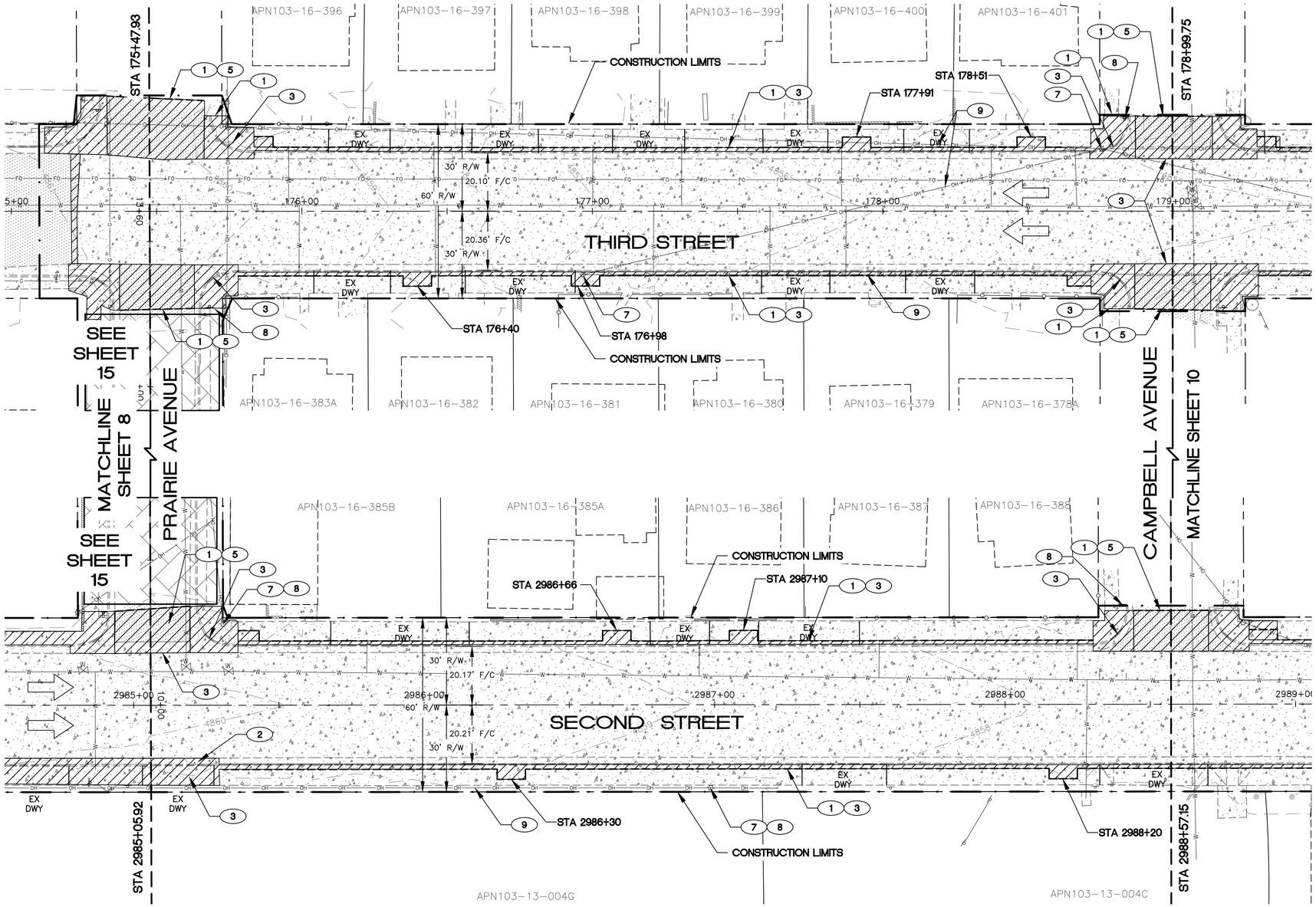
SHEET 1 OF 8

TRACS NO. WIN SL705 01C | WIN-0(202)T | ___ OF ___

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

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	WIN-0(202)T	9	52	

SL705 01C



0 10 20 40

SCALE: 1" = 20'
CONTOUR INTERVAL: 1'

REMOVAL NOTES

1. SAWCUTTING.
2. (24 L.F.) REMOVE AND DISPOSE OF EXISTING CURB AND GUTTER AT APPROVED LOCATION.
3. (4118 S.F.) REMOVE EXISTING CONCRETE SIDEWALK, VALLEY GUTTER, RAMPS AND DRIVEWAY TO NEAREST JOINT. DISPOSE OF MATERIAL AT APPROVED LOCATION.
5. (139 S.Y.) REMOVE EXISTING ASPHALT CONCRETE. DISPOSE OF MATERIAL AT AN APPROVED LOCATION.
7. (4 EA.) REMOVE EXISTING LIGHT POLE. SEE ELECTRICAL SHEETS. SALVAGE LIGHT BULB TO CITY.
8. (5 EA.) REMOVE EXISTING SIGN POST AND FOUNDATION. STORE PANEL AND POST FOR REINSTALL.
9. (1 L. SUM) REMOVAL OF OVERHEAD POWERLINE, CONTRACTOR TO COORDINATE WITH APS.

LEGEND

- DEMO AREA
- TRAFFIC FLOW ARROW
- LIMITS OF CONSTRUCTION
- EXISTING AC PAVEMENT
- EXISTING PCC PAVEMENT
- SHEET CUT AREA

FN: 110503	NAME	DATE
DESIGN	SDP	02/16
DRAWN	RRW	02/16
CHECKED	MWW	05/16

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21 WILLIAMSON AVE
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REMOVAL SHEET
THIRD ST. 175+50 TO 179+00
SECOND ST. 2985+10 TO 2988+60

ROUTE: SR 66
LOCATION: 2ND ST AND 3RD ST: PRAIRIE AVE – SNIDER AVE

Registered Professional Engineer (CIVIL) CERTIFICATE NO. 10518 JEFFREY A. SWAN Date Signed 05-02-16 ARIZONA, U.S.A.

EXPIRES 6/30/2016

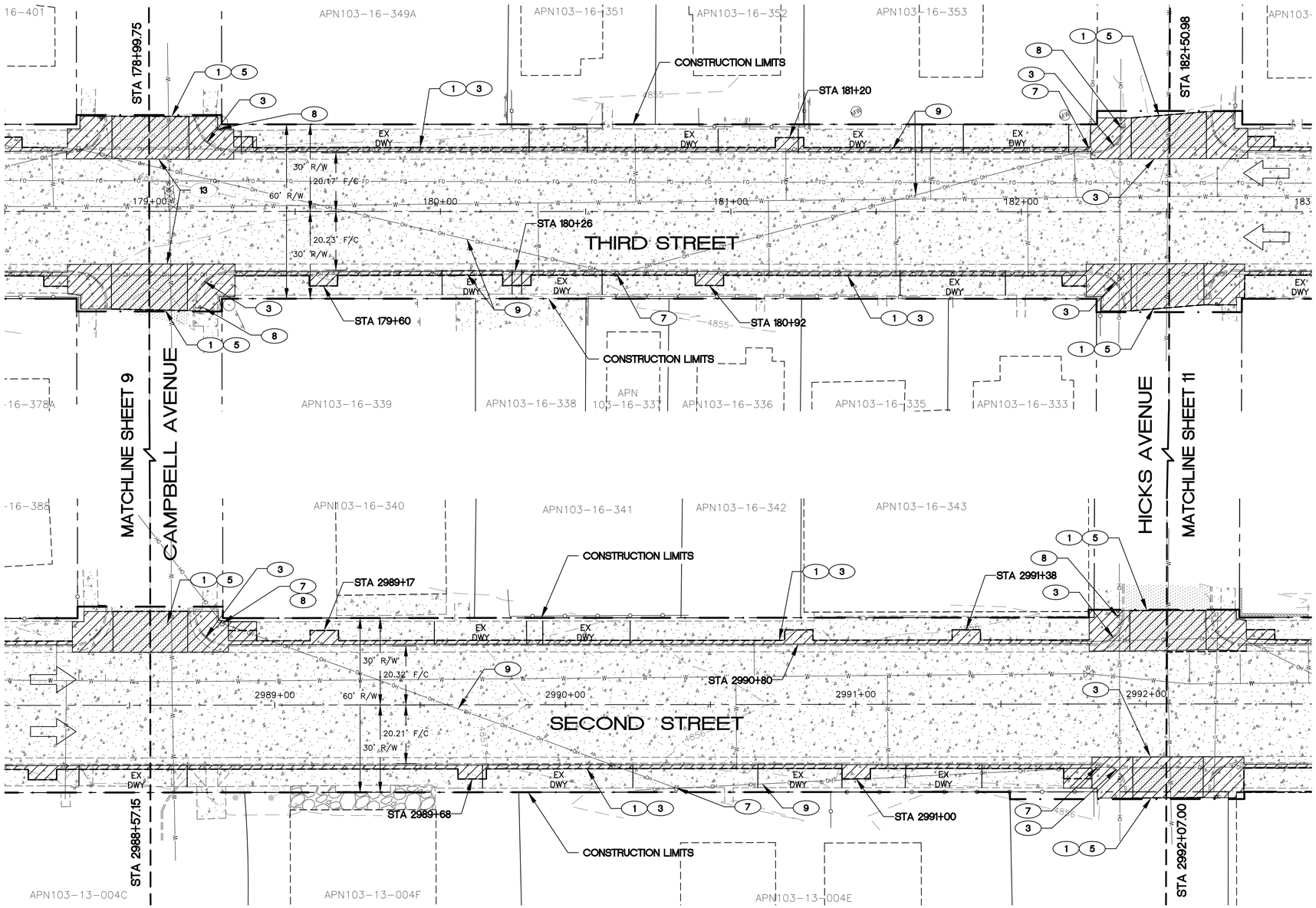
SHEET 2 OF 8

TRACS NO. WIN SL705 01C | WIN-0(202)T | ___ OF ___

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

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	WIN-0(202)T	10	52	

SL705 01C



0 10 20 40

SCALE: 1" = 20'
CONTOUR INTERVAL: 1'

REMOVAL NOTES

1. SAWCUTTING.
3. (1783 S.F.) REMOVE EXISTING CONCRETE SIDEWALK, VALLEY GUTTER, RAMPS AND DRIVEWAY TO NEAREST JOINT. DISPOSE OF MATERIAL AT APPROVED LOCATION.
5. (125 S.Y.) REMOVE EXISTING ASPHALT CONCRETE. DISPOSE OF MATERIAL AT AN APPROVED LOCATION.
7. (5 EA.) REMOVE EXISTING LIGHT POLE. SEE ELECTRICAL SHEETS. SALVAGE LIGHT BULB TO CITY.
8. (5 EA.) REMOVE EXISTING SIGN POST AND FOUNDATION. STORE PANEL AND POST FOR REINSTALL.
9. (1 L. SUM) REMOVAL OF OVERHEAD POWERLINE, CONTRACTOR TO COORDINATE WITH APS.

LEGEND

- DEMO AREA
- TRAFFIC FLOW ARROW
- LIMITS OF CONSTRUCTION
- EXISTING AC PAVEMENT
- EXISTING PCC PAVEMENT

FN: 110503	NAME	DATE
DESIGN	SDP	02/16
DRAWN	RRW	02/16
CHECKED	MWW	05/16

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REMOVAL SHEET
THIRD ST. 179+00 TO 182+50
SECOND ST. 2988+60 TO 2992+10

ROUTE: SR 66
LOCATION: 2ND ST AND 3RD ST: PRAIRIE AVE – SNIDER AVE

Registered Professional Engineer (Civil) CERTIFICATE NO. 10518 JEFFREY A. SWAN Date Signed 05-02-16 ARIZONA, U.S.A.
EXPIRES 6/30/2016

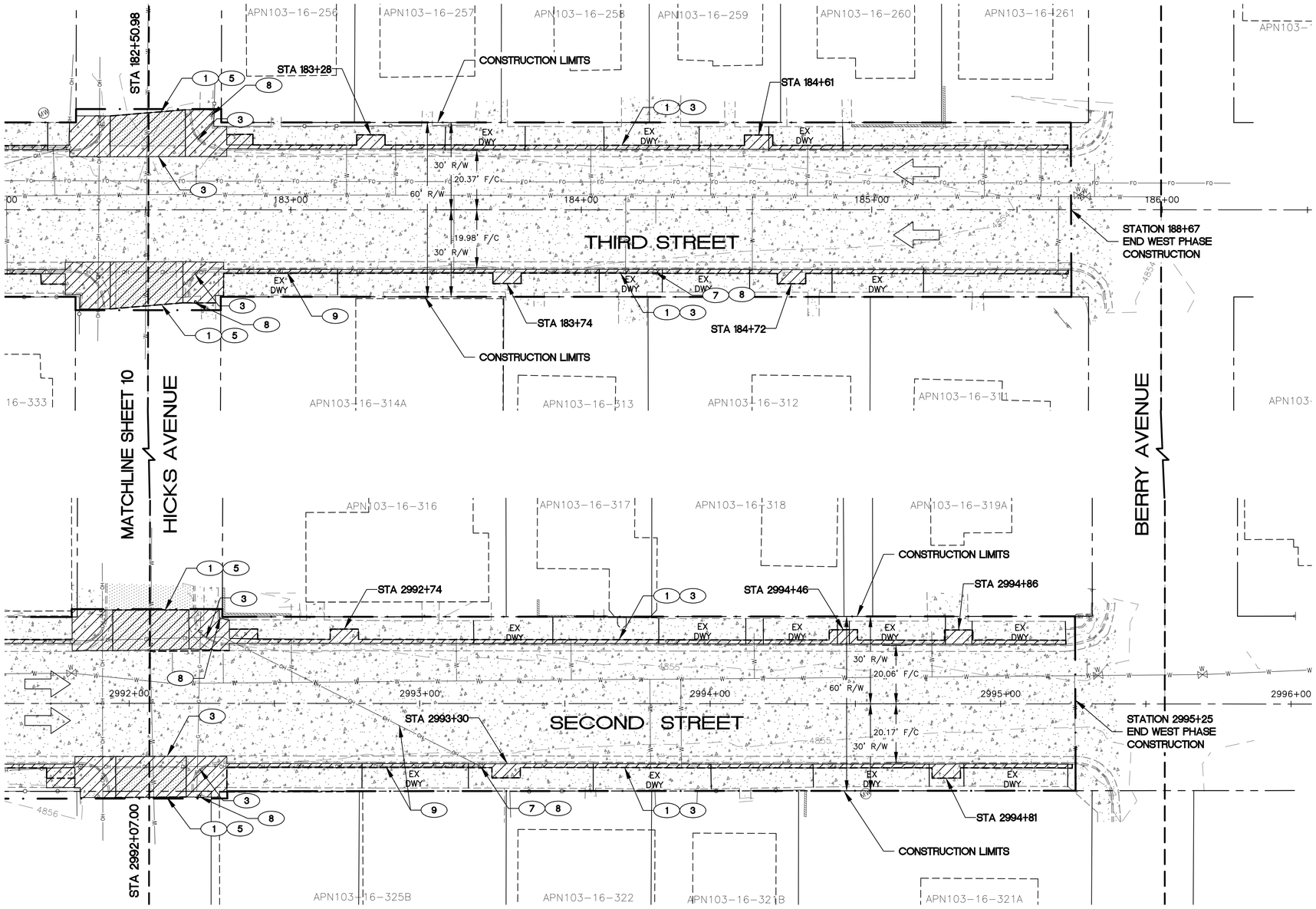
SHEET 3 OF 8

TRACS NO. WIN SL705 01C | WIN-0(202)T | ___ OF ___

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

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	WIN-0(202)T	11	52	

SL705 01C



0 10 20 40

SCALE: 1" = 20'
CONTOUR INTERVAL: 1'

REMOVAL NOTES

1. SAWCUTTING.
3. (2772 S.F.) REMOVE EXISTING CONCRETE SIDEWALK, VALLEY GUTTER, RAMPS AND DRIVEWAY TO NEAREST JOINT. DISPOSE OF MATERIAL AT APPROVED LOCATION.
5. (71 S.Y.) REMOVE EXISTING ASPHALT CONCRETE. DISPOSE OF MATERIAL AT AN APPROVED LOCATION.
7. (2 EA.) REMOVE EXISTING LIGHT POLE. SEE ELECTRICAL SHEETS. SALVAGE LIGHT BULB TO CITY.
8. (6 EA.) REMOVE EXISTING SIGN POST AND FOUNDATION. STORE PANEL FOR REINSTALL.
9. (1 L. SUM) REMOVAL OF OVERHEAD POWERLINE, CONTRACTOR TO COORDINATE WITH APS.

LEGEND

- DEMO AREA
- TRAFFIC FLOW ARROW
- LIMITS OF CONSTRUCTION
- EXISTING AC PAVEMENT
- EXISTING PCC PAVEMENT

FN: 110503	NAME	DATE
DESIGN	SDP	02/16
DRAWN	RRW	02/16
CHECKED	MWW	05/16

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REMOVAL SHEET
THIRD ST. 182+50 TO 186+00
SECOND ST. 2992+10 TO 2995+60

ROUTE: SR 66
LOCATION: 2ND ST AND 3RD ST: PRAIRIE AVE – SNIDER AVE

Registered Professional Engineer (Civil)
CERTIFICATE NO. 10518
JEFFREY A. SWAN
Date Signed 05-09-16
ARIZONA, U.S.A.
EXPIRES 6/30/2016

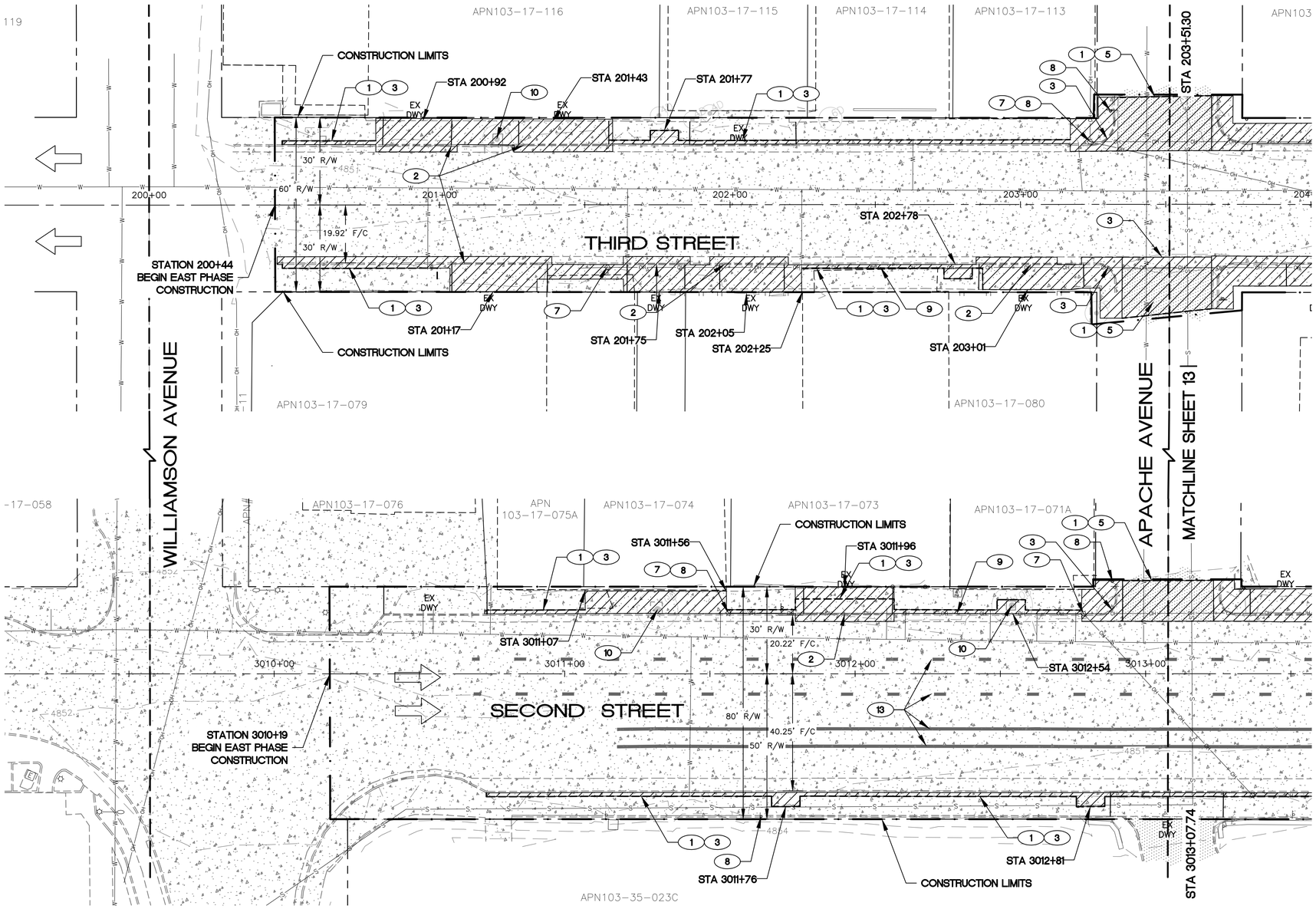
SHEET 4 OF 8

TRACS NO. WIN SL705 01C | WIN-0(202)T | ___ OF ___

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

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	WIN-0(202)T	12	52	

SL705 01C



0 10 20 40

SCALE: 1" = 20'
CONTOUR INTERVAL: 1'

REMOVAL NOTES

1. SAWCUTTING
2. (207 L.F.) REMOVE AND DISPOSE OF EXISTING CURB AND GUTTER AT APPROVED LOCATION.
3. (4479 S.F.) REMOVE AND DISPOSE OF EXISTING CONCRETE SIDEWALK, VALLEY GUTTER, RAMPS AND DRIVEWAY TO NEAREST JOINT. DISPOSE OF MATERIAL AT APPROVED LOCATION.
5. (91 S.Y.) REMOVE EXISTING ASPHALT CONCRETE. DISPOSE OF MATERIAL AT AN APPROVED LOCATION.
7. (4 EA.) REMOVE EXISTING LIGHT POLE. SEE ELECTRICAL SHEETS. SALVAGE LIGHT BULB TO CITY.
8. (5 EA.) REMOVE EXISTING SIGN POST AND FOUNDATION. STORE PANEL FOR REINSTALL.
9. (1 L. SUM) REMOVAL OF OVERHEAD POWERLINE, CONTRACTOR TO COORDINATE WITH APS.
10. PROTECT EXISTING TREE DURING CONSTRUCTION.
13. (497 L.F.) OBLITERATE EXISTING STRIPING.

LEGEND

- DEMO AREA
- TRAFFIC FLOW ARROW
- LIMITS OF CONSTRUCTION
- EXISTING AC PAVEMENT
- EXISTING PCC PAVEMENT

FN: 110503	NAME	DATE
DESIGN	SDP	02/16
DRAWN	RRW	02/16
CHECKED	MWW	05/16

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REMOVAL SHEET
THIRD ST. 200+00 TO 203+50
SECOND ST. 3009+60 TO 3013+10

Registered Professional Engineer (Civil) CERTIFICATE NO. 10518 JEFFREY A. SWAN Date Signed 05-09-16 ARIZONA, U.S.A.

EXPIRES 6/30/2016

ROUTE	LOCATION
SR 66	2ND ST AND 3RD ST: PRAIRIE AVE – SNIDER AVE

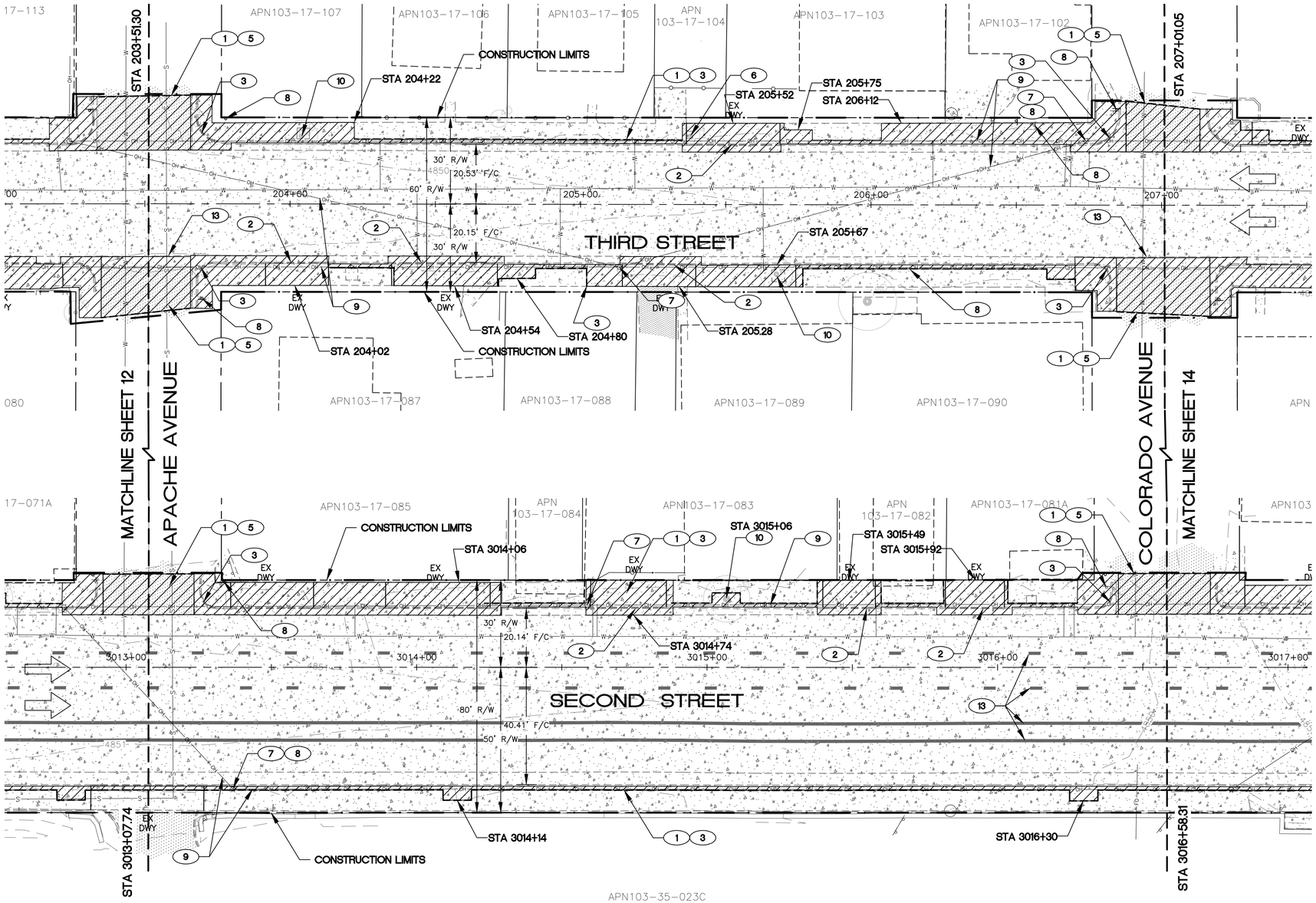
SHEET 5 OF 8

TRACS NO. WIN SL705 01C | WIN-0(202)T | ___ OF ___

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

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	WIN-0(202)T	13	52	

SL705 01C



SCALE: 1" = 20'
CONTOUR INTERVAL: 1'

REMOVAL NOTES

1. SAWCUTTING.
2. (310 L.F.) REMOVE AND DISPOSE OF EXISTING CURB AND GUTTER AT APPROVED LOCATION.
3. (6120 S.F.) REMOVE EXISTING CONCRETE SIDEWALK, VALLEY GUTTER, RAMPS AND DRIVEWAY TO NEAREST JOINT. DISPOSE OF MATERIAL AT APPROVED LOCATION.
5. (155 S.Y.) REMOVE EXISTING ASPHALT CONCRETE. DISPOSE OF MATERIAL AT AN APPROVED LOCATION.
6. (1 EA.) REMOVE EXISTING TREE.
7. (4 EA.) REMOVE EXISTING LIGHT POLE. SEE ELECTRICAL SHEETS. SALVAGE LIGHT BULB TO CITY.
8. (9 EA.) REMOVE EXISTING SIGN POST AND FOUNDATION. STORE PANEL FOR REINSTALL.
9. (1 L. SUM) REMOVAL OF OVERHEAD POWERLINE, CONTRACTOR TO COORDINATE WITH APS.
10. PROTECT EXISTING TREE DURING CONSTRUCTION.
13. (880 L.F.) OBLITERATE EXISTING STRIPING.

LEGEND

- DEMO AREA
- TRAFFIC FLOW ARROW
- LIMITS OF CONSTRUCTION
- EXISTING AC PAVEMENT
- EXISTING PCC PAVEMENT

FN: 110503	NAME	DATE
DESIGN	SDP	02/16
DRAWN	RRW	02/16
CHECKED	MWW	05/16

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21 WILLIAMSON AVE
WINSLOW, AZ 86047

REMOVAL SHEET
THIRD ST. 203+50 TO 207+00
SECOND ST. 3013+10 TO 3016+60

Registered Professional Engineer (Civil) CERTIFICATE NO. 10518 JEFFREY A. SWAN Date Signed 05-02-16 ARIZONA, U.S.A.

EXPIRES 6/30/2016

ROUTE	LOCATION
SR 66	2ND ST AND 3RD ST: PRAIRIE AVE – SNIDER AVE

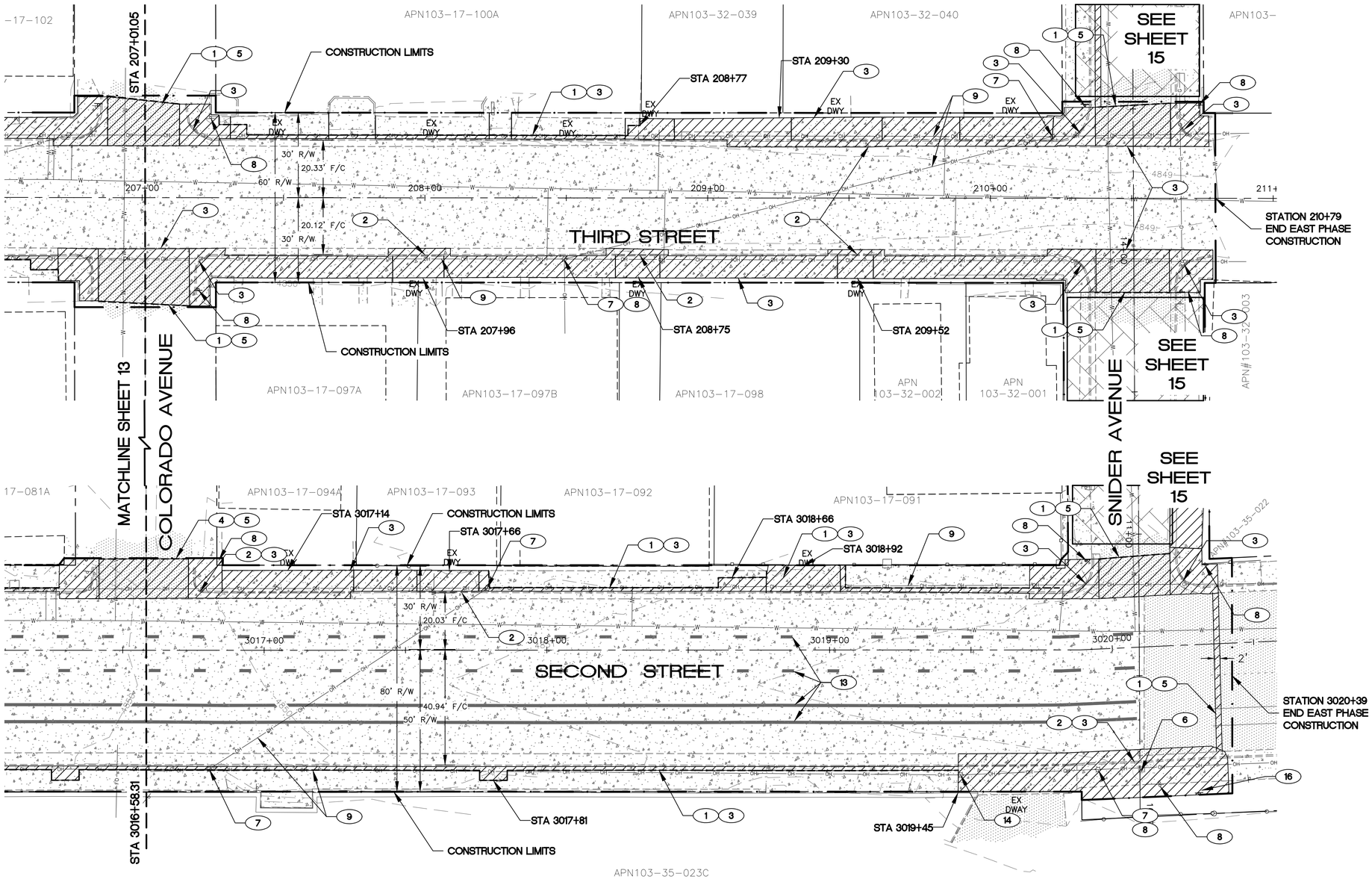
SHEET 6 OF 8

TRACS NO. WIN SL705 01C | WIN-0(202)T | ___ OF ___

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

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	WIN-0(202)T	14	52	

SL705 01C



0 10 20 40

SCALE: 1" = 20'
CONTOUR INTERVAL: 1'

REMOVAL NOTES

1. SAWCUTTING
2. (280 L.F.) REMOVE AND DISPOSE OF EXISTING CURB AND GUTTER AT APPROVED LOCATION.
3. (8721 S.F.) REMOVE EXISTING CONCRETE SIDEWALK AND DRIVEWAY TO NEAREST JOINT. DISPOSE OF MATERIAL AT APPROVED LOCATION.
5. (178 S.Y.) REMOVE EXISTING ASPHALT CONCRETE. DISPOSE OF MATERIAL AT AN APPROVED LOCATION.
6. (1 EA.) REMOVE EXISTING TREE.
7. (6 EA.) REMOVE EXISTING LIGHT POLE. SEE ELECTRICAL SHEETS. SALVAGE LIGHT BULB TO CITY.
8. (11 EA.) REMOVE EXISTING SIGN POST AND FOUNDATION. STORE PANEL FOR REINSTALL.
9. (1 L.SUM) REMOVAL OF OVERHEAD POWERLINE, CONTRACTOR TO COORDINATE WITH APS.
13. (875 L.F.) OBLITERATE EXISTING STRIPING.
14. SIGN REMOVED BY OTHERS PRIOR TO CONSTRUCTION. COORDINATE WITH CITY IF NEEDED.
16. (1 L.SUM) MODIFY EXISTING IRRIGATION SYSTEM. CAP BUBBLER LINE AS SHOWN ON PLANS AND REMOVE EXCESS. THE CONTRACTOR WILL NEED TO FIELD VERIFY IRRIGATION SYSTEM LOCATION.

LEGEND

- DEMO AREA
- TRAFFIC FLOW ARROW
- LIMITS OF CONSTRUCTION
- EXISTING AC PAVEMENT
- EXISTING PCC PAVEMENT
- SHEET CUT AREA

FN: 110503	NAME	DATE
DESIGN	SDP	02/16
DRAWN	RRW	02/16
CHECKED	MWW	05/16

WOODSON
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124 N. Elden St. • Flagstaff, AZ 86001
(928) 774-4636 • Fax (928) 774-4646

CITY OF WINSLOW
21 WILLIAMSON AVE
WINSLOW, AZ 86047

REMOVAL SHEET
THIRD ST. 207+00 TO 210+50
SECOND ST. 3016+60 TO 3020+10

Registered Professional Engineer (Civil) CERTIFICATE NO. 10518 JEFFREY A. SWAN Date signed 05-09-16 ARIZONA, U.S.A.

EXPIRES 6/30/2016

ROUTE	LOCATION
SR 66	2ND ST AND 3RD ST: PRAIRIE AVE – SNIDER AVE

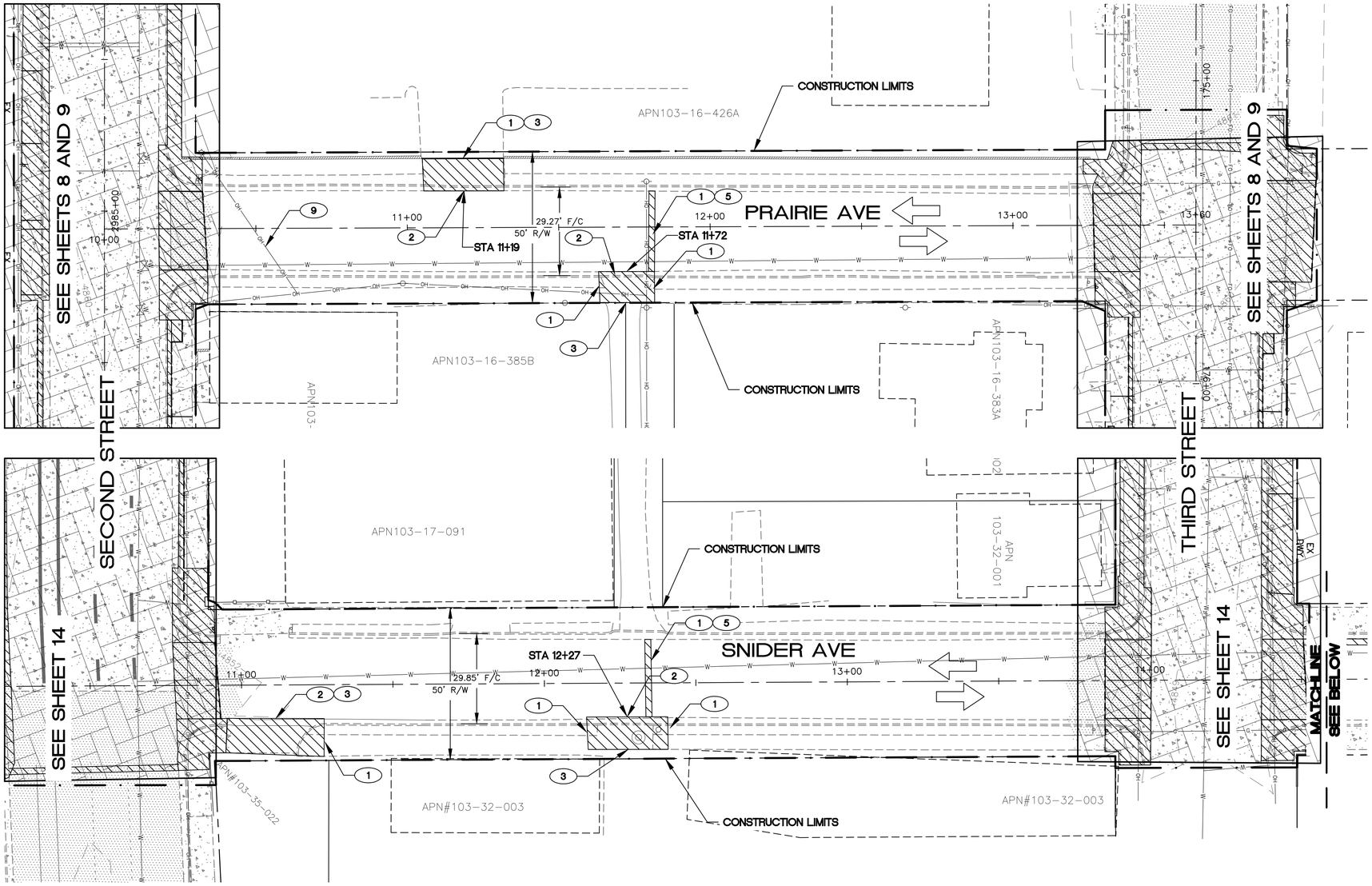
SHEET 7 OF 8

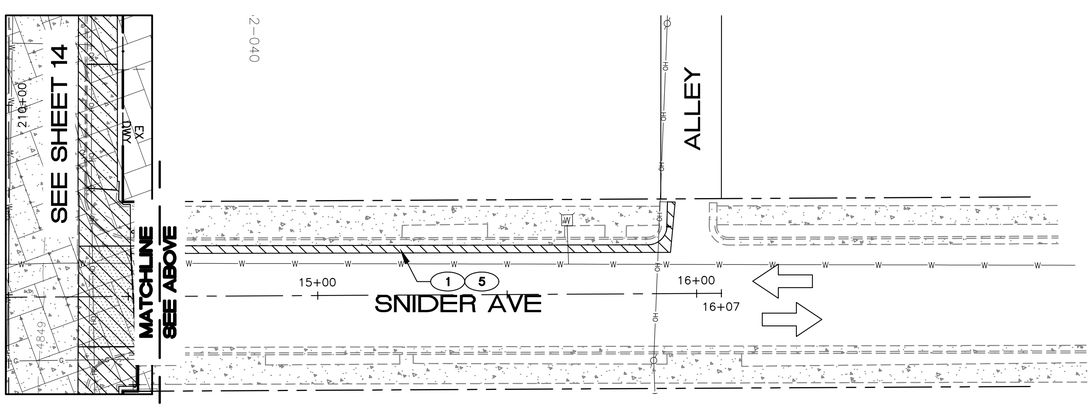
TRACS NO. WIN SL705 01C | WIN-0(202)T | ___ OF ___

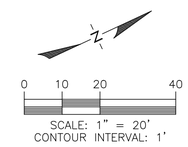
DATE- LOCATION- REVISIONS- FINISHED PLANS- SURVEY NO.

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	WIN-0(202)T	15	52	

SL705 01C







REMOVAL NOTES

1. SAWCUTTING
2. (104 L.F.) REMOVE AND DISPOSE OF EXISTING CURB AND GUTTER AT APPROVED LOCATION.
3. (906 S.F.) REMOVE EXISTING CONCRETE SIDEWALK, VALLEY GUTTER, RAMPS AND DRIVEWAY TO NEAREST JOINT. DISPOSE OF MATERIAL AT APPROVED LOCATION.
5. (46 S.Y.) REMOVE EXISTING ASPHALT CONCRETE. DISPOSE OF MATERIAL AT AN APPROVED LOCATION.
9. (1 L. SUM) REMOVAL OF OVERHEAD POWERLINE, CONTRACTOR TO COORDINATE WITH APS.

LEGEND

- DEMO AREA
- TRAFFIC FLOW ARROW
- LIMITS OF CONSTRUCTION
- EXISTING AC PAVEMENT
- EXISTING PCC PAVEMENT
- SHEET CUT AREA

FN: 110503	NAME	DATE
DESIGN	SDP	02/16
DRAWN	RRW	02/16
CHECKED	MWW	05/16

WOODSON
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(928) 774-4636 • Fax (928) 774-4646

CITY OF WINSLOW
21 WILLIAMSON AVE
WINSLOW, AZ 86047

REMOVAL SHEET
PRAIRIE AVE 10+30 TO 13+30.41
SNIDER AVE 10+30 TO 13+28.38

ROUTE: SR 66
LOCATION: 2ND ST AND 3RD ST: PRAIRIE AVE – SNIDER AVE

Registered Professional Engineer (Civil) CERTIFICATE NO. 10518 JEFFREY A. SWAN Date signed 05-09-16 ARIZONA, U.S.A.
EXPIRES 6/30/2016

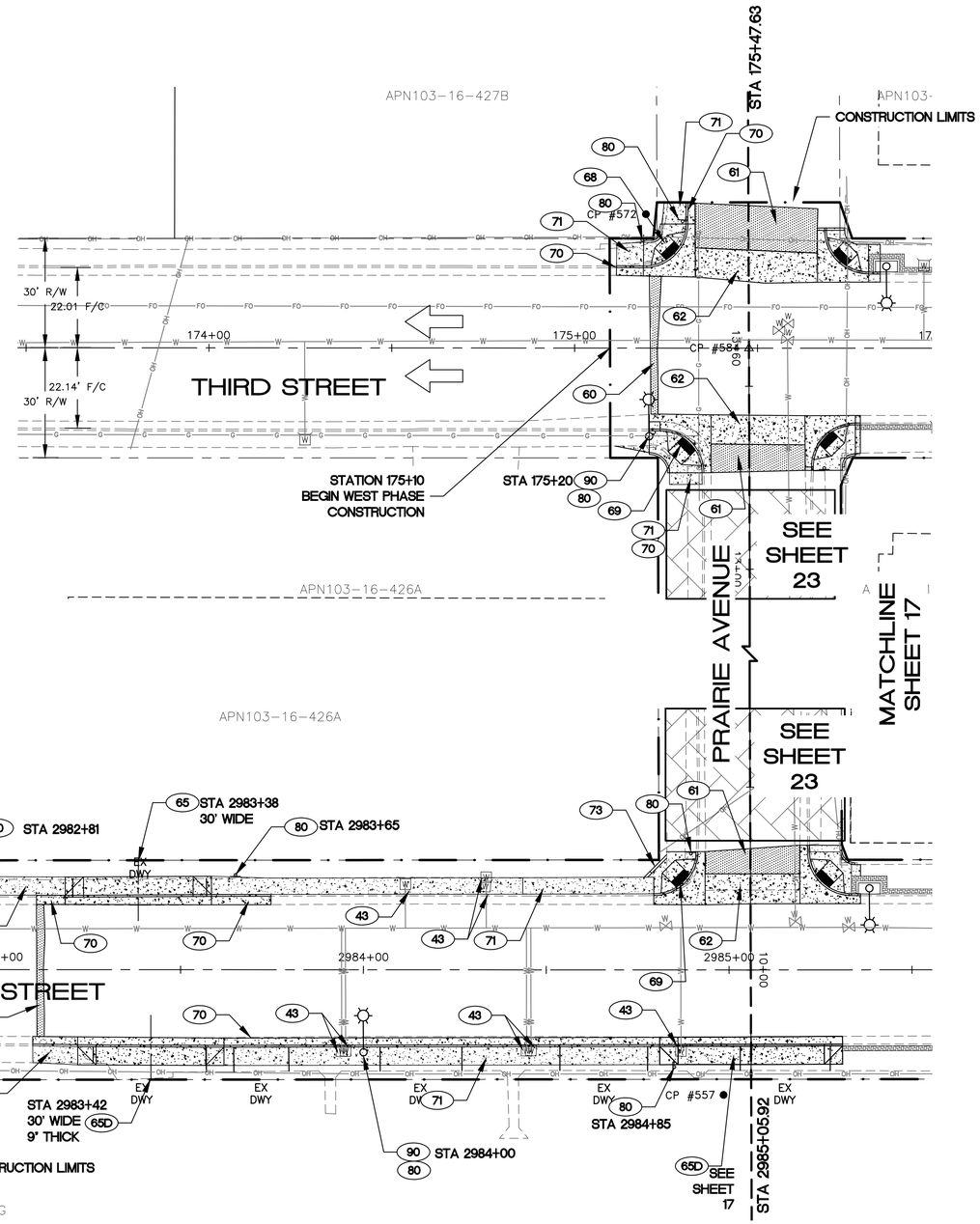
SHEET 8 OF 8

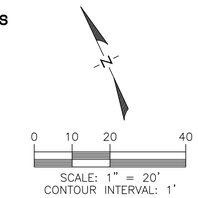
TRACS NO. WIN SL705 01C | WIN-0(202)T | ___ OF ___

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

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	WIN-0(202)T	16	52	

SL705 01C





GENERAL NOTES

(43) (5 EA.) ADJUST EXISTING METER BOX/VALVE BOX TO GRADE.

(60) (160 S.F.) CONSTRUCT AC PAVEMENT PER PAVEMENT STRUCTURAL SECTION NO. 1 ON SHEET 2. SEE TRENCH DETAIL IN DETAIL 7 ON SHEET 7.

(61) (338 S.F.) CONSTRUCT AC PAVEMENT PER PAVEMENT STRUCTURAL SECTION NO. 2 ON SHEET 2.

(62) (478 S.F.) CONSTRUCT 8' VALLEY GUTTER PER DETAIL 2 ON SHEET 4.

(65) (200 S.F.) CONSTRUCT DRIVEWAY ENTRANCE IN ACCORDANCE WITH MAG SD NO. 250-1.

(65D) (325 S.F.) CONSTRUCT DRIVEWAY ENTRANCE IN ACCORDANCE WITH MAG SD NO. 250-1 MODIFIED AS SHOWN ON SHEET 6. DEPTH SHALL BE 9".

(68) (1 EA.) CONSTRUCT RAMP TYPE 'A' PER DETAIL 1 ON SHEET 4 AND DETAIL ON SHEETS 24-29.

(69) (2 EA.) CONSTRUCT RAMP TYPE 'B' PER DETAIL 1 ON SHEET 4 AND DETAIL ON SHEETS 24-29.

(70) (165 L.F.) CONSTRUCT TYPE 'D' CURB & GUTTER PER ADOT C-05.10 - MATCH EXISTING HEIGHT AND WIDTH.

(71) (1,677 S.F.) CONSTRUCT CONCRETE SIDEWALK PER ADOT C-05.20 - MATCH EXISTING WIDTH, ON 3" AGGREGATE BASE PER SPECIFICATIONS.

(73) (63 S.F.) CONSTRUCT MASONRY RETAINING WALL PER DETAIL 6 ON SHEET 7.

(80) (7 EA.) RE-INSTALL SIGN PANEL, SEE SIGNING PLANS.

(90) (4 EA.) INSTALL STREET LIGHT PER ELECTRICAL SHEET.

LEGEND

TRAFFIC FLOW ARROW

LIMITS OF CONSTRUCTION

SHEET CUT AREA

FN: 110503	NAME	DATE
DESIGN	SDP	02/16
DRAWN	RRW	02/16
CHECKED	MWW	05/16

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CITY OF WINSLOW
21 WILLIAMSON AVE
WINSLOW, AZ 86047

PLAN SHEET
THIRD ST. 173+50 TO 175+50
SECOND ST. 2980+50 TO 2985+10

ROUTE: SR 66
LOCATION: 2ND ST AND 3RD ST: PRAIRIE AVE - SNIDER AVE

Registered Professional Engineer (Civil) CERTIFICATE NO. 10518 JEFFREY A. SWAN Date signed 05-09-16 ARIZONA, U.S.A.

EXPIRES 6/30/2016

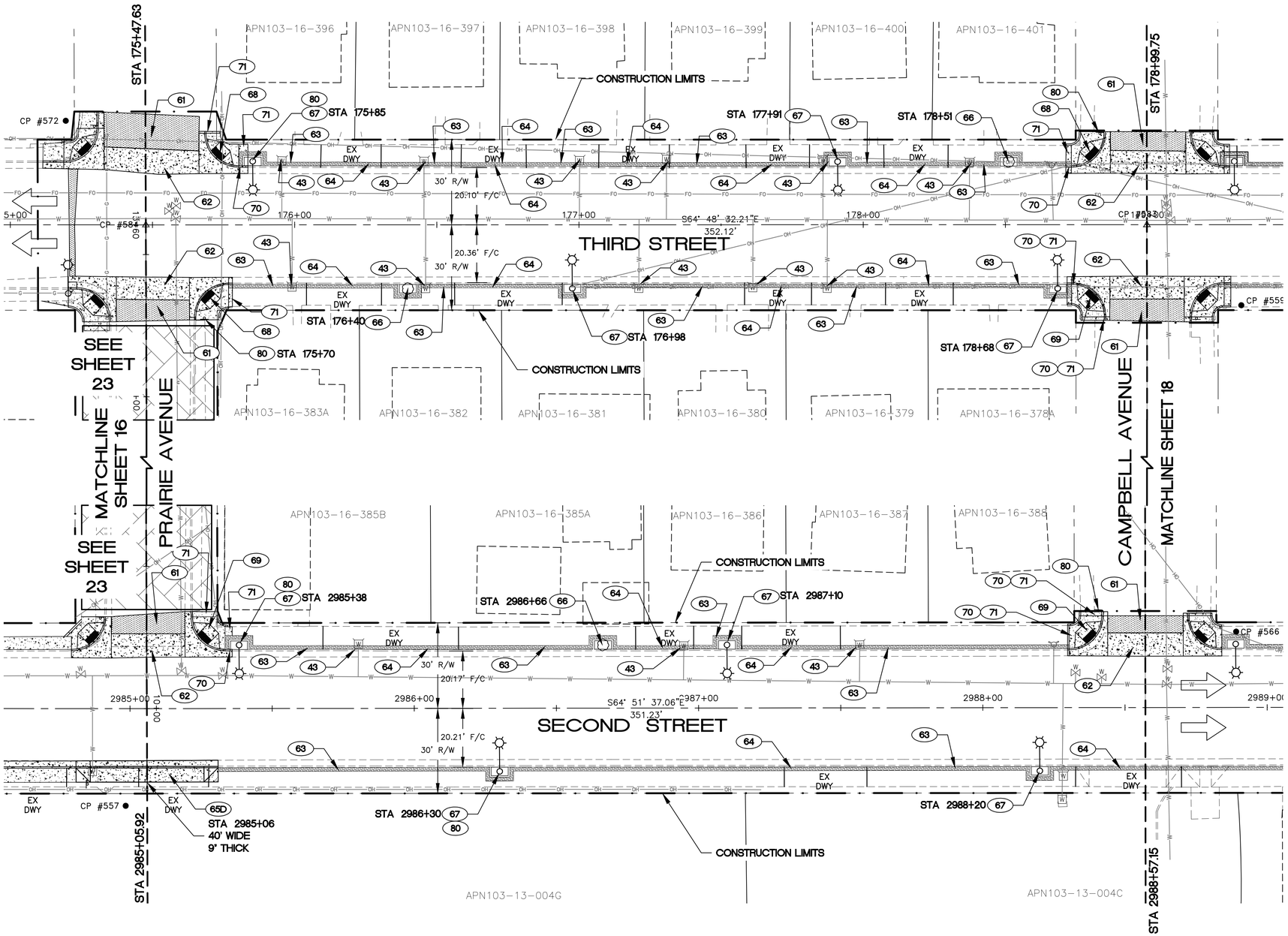
SHEET 1 OF 8

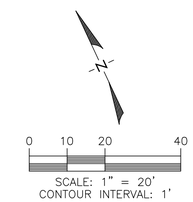
TRACS NO. WIN SL705 01C | WIN-0(202)T | ___ OF ___

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

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	WIN-0(202)T	17	52	

SL705 01C





GENERAL NOTES

43 (14 EA.) ADJUST EXISTING METER BOX/VALVE BOX TO GRADE.

61 (702 S.F.) CONSTRUCT AC PAVEMENT PER PAVEMENT STRUCTURAL SECTION NO. 2 ON SHEET 2.

62 (975 S.F.) CONSTRUCT 8' VALLEY GUTTER PER DETAIL 2 ON SHEET 4.

63 (1,217 S.F) CONSTRUCT STANDARD DUTY PAVERS PER DETAIL 3 ON SHEET 4.

64 (507 S.F) CONSTRUCT HEAVY DUTY PAVERS PER DETAIL 3 ON SHEET 4.

65D (125 S.F.) CONSTRUCT DRIVEWAY ENTRANCE IN ACCORDANCE WITH MAG SD NO. 250-1 MODIFIED AS SHOWN ON SHEET 6. DEPTH SHALL BE 9".

66 (3 EA.) CONSTRUCT TREE WELL PER DETAIL 4 ON SHEET 4.

67 (8 EA.) CONSTRUCT LIGHT WELL PER DETAIL 5 ON SHEET 4 AND STREET LIGHT PER ELECTRICAL SHEET.

68 (3 EA.) CONSTRUCT RAMP TYPE 'A' PER DETAIL 1 ON SHEET 4 AND DETAIL ON SHEETS 24-29.

69 (3 EA.) CONSTRUCT RAMP TYPE 'B' PER DETAIL 1 ON SHEET 4 AND DETAIL ON SHEETS 24-29.

70 (17 L.F.) CONSTRUCT TYPE 'D' CURB & GUTTER PER ADOT C-05.10 - MATCH EXISTING HEIGHT AND WIDTH.

71 (85 S.F.) CONSTRUCT CONCRETE SIDEWALK PER ADOT C-05.20 - MATCH EXISTING WIDTH, ON 3" AGGREGATE BASE PER SPECIFICATIONS.

80 (6 EA.) RE-INSTALL SIGN PANEL, SEE SIGNING SHEET.

LEGEND

TRAFFIC FLOW ARROW

LIMITS OF CONSTRUCTION

SHEET CUT AREA

FN: 110503	NAME	DATE
DESIGN	SDP	02/16
DRAWN	RRW	02/16
CHECKED	MWW	05/16

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124 N. Elden St. • Flagstaff, AZ 86001
(928) 774-4636 • Fax (928) 774-4646

CITY OF WINSLOW
21 WILLIAMSON AVE
WINSLOW, AZ 86047

PLAN SHEET
THIRD ST. 175+50 TO 179+00
SECOND ST. 2985+10 TO 2988+60

ROUTE: SR 66
LOCATION: 2ND ST AND 3RD ST: PRAIRIE AVE - SNIDER AVE

Registered Professional Engineer (Civil) CERTIFICATE NO. 10518 JEFFREY A. SWAN Date Signed 05-02-16 ARIZONA, U.S.A.
EXPIRES 6/30/2016

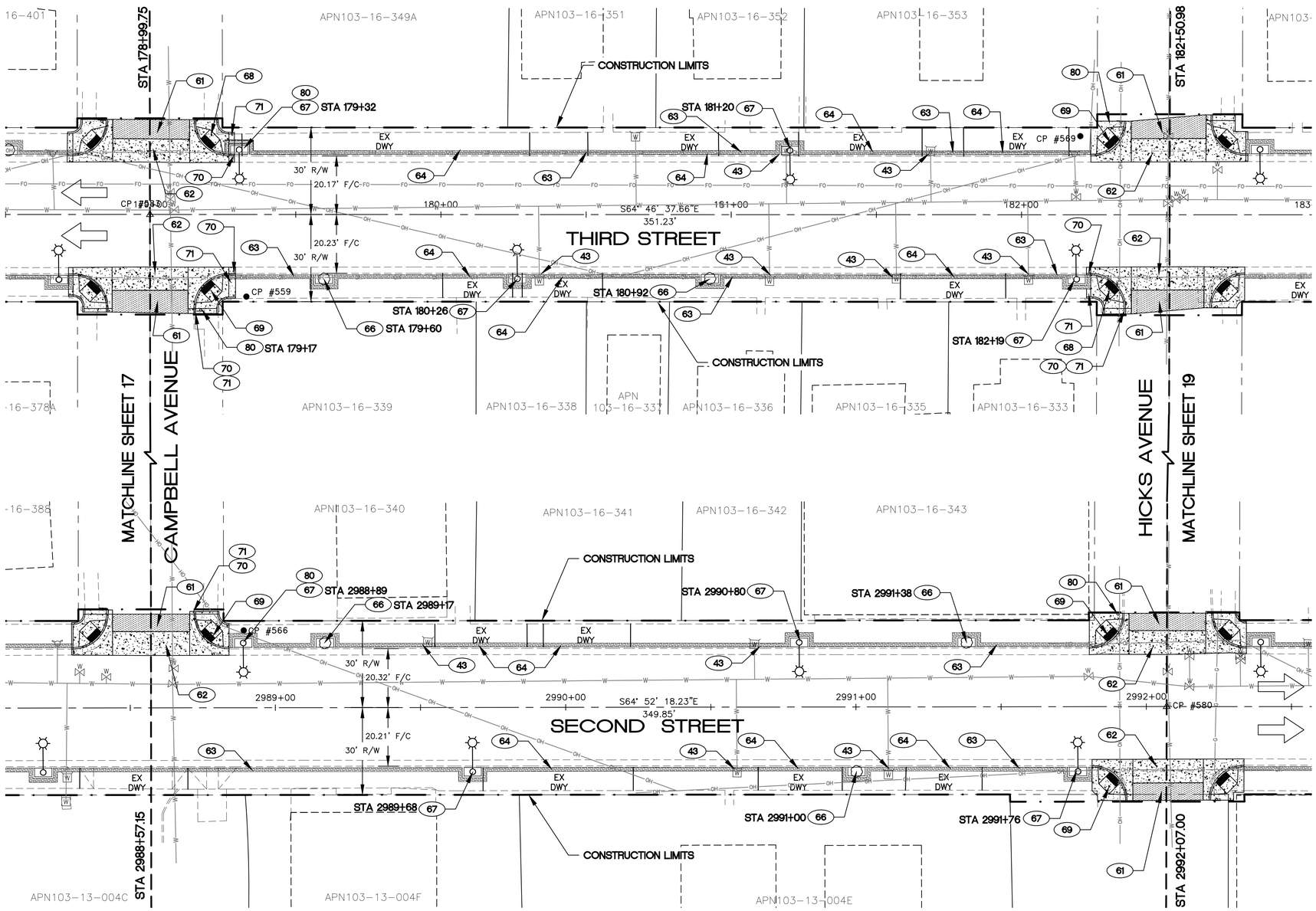
SHEET 2 OF 8

TRACS NO. WIN SL705 01C | WIN-0(202)T | ___ OF ___

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

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	WIN-0(202)T	18	52	

SL705 01C



0 10 20 40

SCALE: 1" = 20'
CONTOUR INTERVAL: 1'

GENERAL NOTES

(43) (10 EA.) ADJUST EXISTING METER BOX/VALVE BOX TO GRADE.

(61) (610 S.F.) CONSTRUCT AC PAVEMENT PER PAVEMENT STRUCTURAL SECTION NO. 2 ON SHEET 2.

(62) (1,056 S.F.) CONSTRUCT 8' VALLEY GUTTER PER DETAIL 2 ON SHEET 4.

(63) (1,091 S.F) CONSTRUCT STANDARD DUTY PAVERS PER DETAIL 3 ON SHEET 4.

(64) (646 S.F) CONSTRUCT HEAVY DUTY PAVERS PER DETAIL 3 ON SHEET 4.

(66) (5 EA.) CONSTRUCT TREE WELL PER DETAIL 4 ON SHEET 4.

(67) (8 EA.) CONSTRUCT LIGHT WELL PER DETAIL 5 ON SHEET 4 AND STREET LIGHT PER ELECTRICAL SHEET.

(68) (2 EA.) CONSTRUCT RAMP TYPE 'A' PER DETAIL 1 ON SHEET 4 AND DETAIL ON SHEETS 24–29.

(69) (5 EA.) CONSTRUCT RAMP TYPE 'B' PER DETAIL 1 ON SHEET 4 AND DETAIL ON SHEETS 24–29.

(70) (11 L.F.) CONSTRUCT TYPE 'D' CURB & GUTTER PER ADOT C–05.10 – MATCH EXISTING HEIGHT AND WIDTH.

(71) (55 S.F.) CONSTRUCT CONCRETE SIDEWALK PER ADOT C–05.20 – MATCH EXISTING WIDTH, ON 3" AGGREGATE BASE PER SPECIFICATIONS.

(80) (5 EA.) RE–INSTALL SIGN PANEL, SEE SIGNING SHEET.

LEGEND

TRAFFIC FLOW ARROW

LIMITS OF CONSTRUCTION

FN: 110503	NAME	DATE
DESIGN	SDP	02/16
DRAWN	RRW	02/16
CHECKED	MWW	05/16

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CITY OF WINSLOW
21 WILLIAMSON AVE
WINSLOW, AZ 86047

PLAN SHEET
THIRD ST. 179+00 TO 182+50
SECOND ST. 2988+60 TO 2992+10

ROUTE: SR 66
LOCATION: 2ND ST AND 3RD ST: PRAIRIE AVE – SNIDER AVE

Registered Professional Engineer (Civil) CERTIFICATE NO. 10518 JEFFREY A. SWAN Date signed 05-02-16 ARIZONA, U.S.A.
EXPIRES 6/30/2016

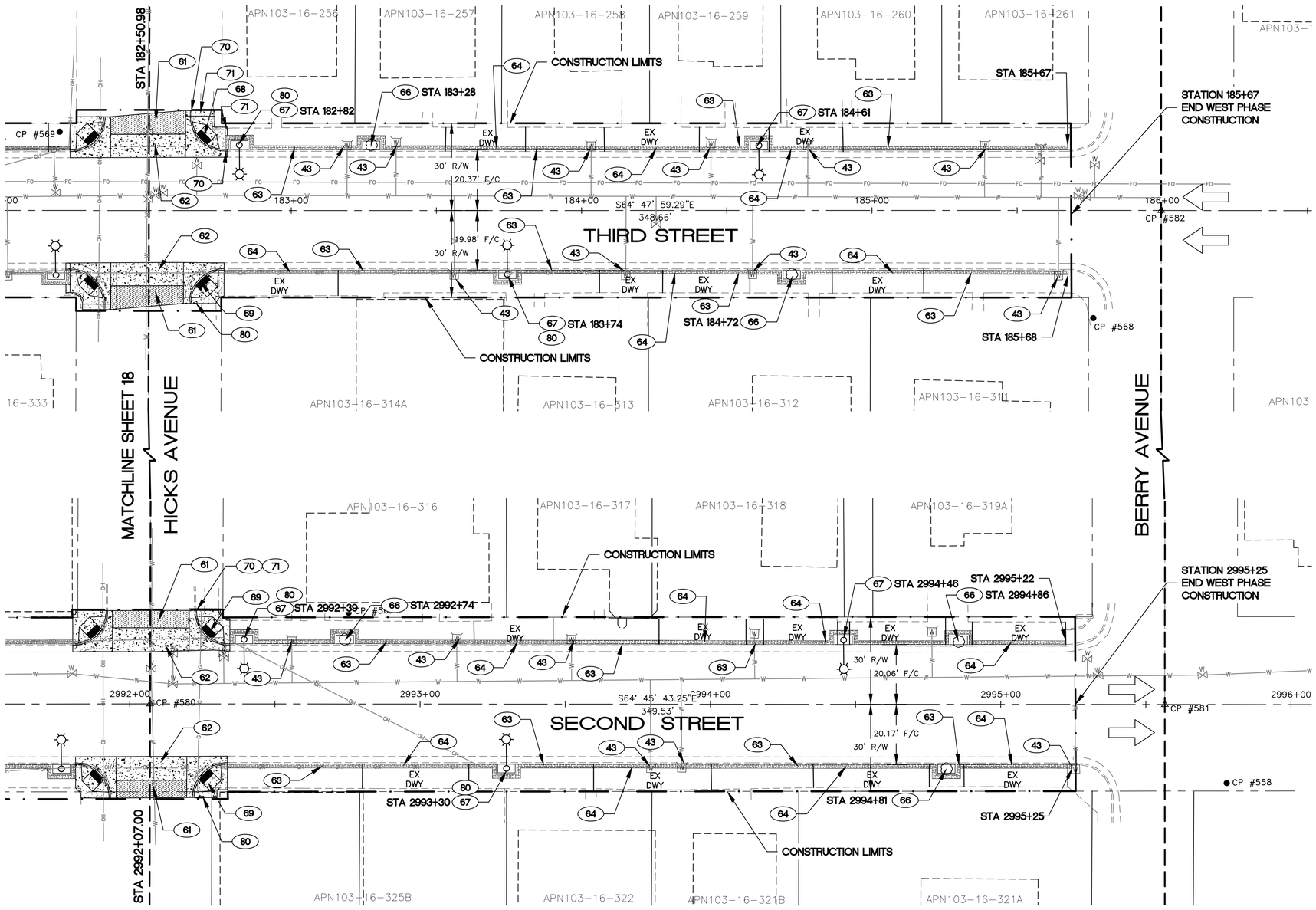
SHEET 3 OF 8

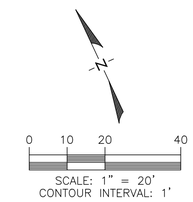
TRACS NO. WIN SL705 01C | WIN–0(202)T | ___ OF ___

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

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	WIN-0(202)T	19	52	

SL705 01C





GENERAL NOTES

(43) (16 EA.) ADJUST EXISTING METER BOX/VALVE BOX TO GRADE.

(61) (331 S.F.) CONSTRUCT AC PAVEMENT PER PAVEMENT STRUCTURAL SECTION NO. 2 ON SHEET 2.

(62) (577 S.F.) CONSTRUCT 8' VALLEY GUTTER PER DETAIL 2 ON SHEET 4.

(63) (975 S.F) CONSTRUCT STANDARD DUTY PAVERS PER DETAIL 3 ON SHEET 4.

(64) (680 S.F) CONSTRUCT HEAVY DUTY PAVERS PER DETAIL 3 ON SHEET 4.

(66) (5 EA.) CONSTRUCT TREE WELL PER DETAIL 4 ON SHEET 4.

(67) (6 EA.) CONSTRUCT LIGHT WELL PER DETAIL 5 ON SHEET 4 AND STREET LIGHT PER ELECTRICAL SHEET.

(68) (1 EA.) CONSTRUCT RAMP TYPE 'A' PER DETAIL 3 ON SHEET 4 AND DETAIL ON SHEETS 24–29.

(69) (3 EA.) CONSTRUCT RAMP TYPE 'B' PER DETAIL 3 ON SHEET 4 AND DETAIL ON SHEETS 24–29.

(70) (4 L.F.) CONSTRUCT TYPE 'D' CURB & GUTTER PER ADOT C–05.10 – MATCH EXISTING HEIGHT AND WIDTH.

(71) (20 S.F.) CONSTRUCT CONCRETE SIDEWALK PER ADOT C–05.20 – MATCH EXISTING WIDTH, ON 3" AGGREGATE BASE PER SPECIFICATIONS.

(80) (6 EA.) RE–INSTALL SIGN PANEL, SEE SIGNING SHEET.

LEGEND

TRAFFIC FLOW ARROW

LIMITS OF CONSTRUCTION

FN: 110503	NAME	DATE
DESIGN	SDP	02/16
DRAWN	RRW	02/16
CHECKED	MWW	05/16

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CITY OF WINSLOW
21 WILLIAMSON AVE
WINSLOW, AZ 86047

PLAN SHEET
THIRD ST. 182+50 TO 186+00
SECOND ST. 2992+10 TO 2995+60

ROUTE: SR 66
LOCATION: 2ND ST AND 3RD ST: PRAIRIE AVE – SNIDER AVE

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 10518 JEFFREY A. SWAN Date signed 05-09-16 ARIZONA, U.S.A.

EXPIRES 6/30/2016

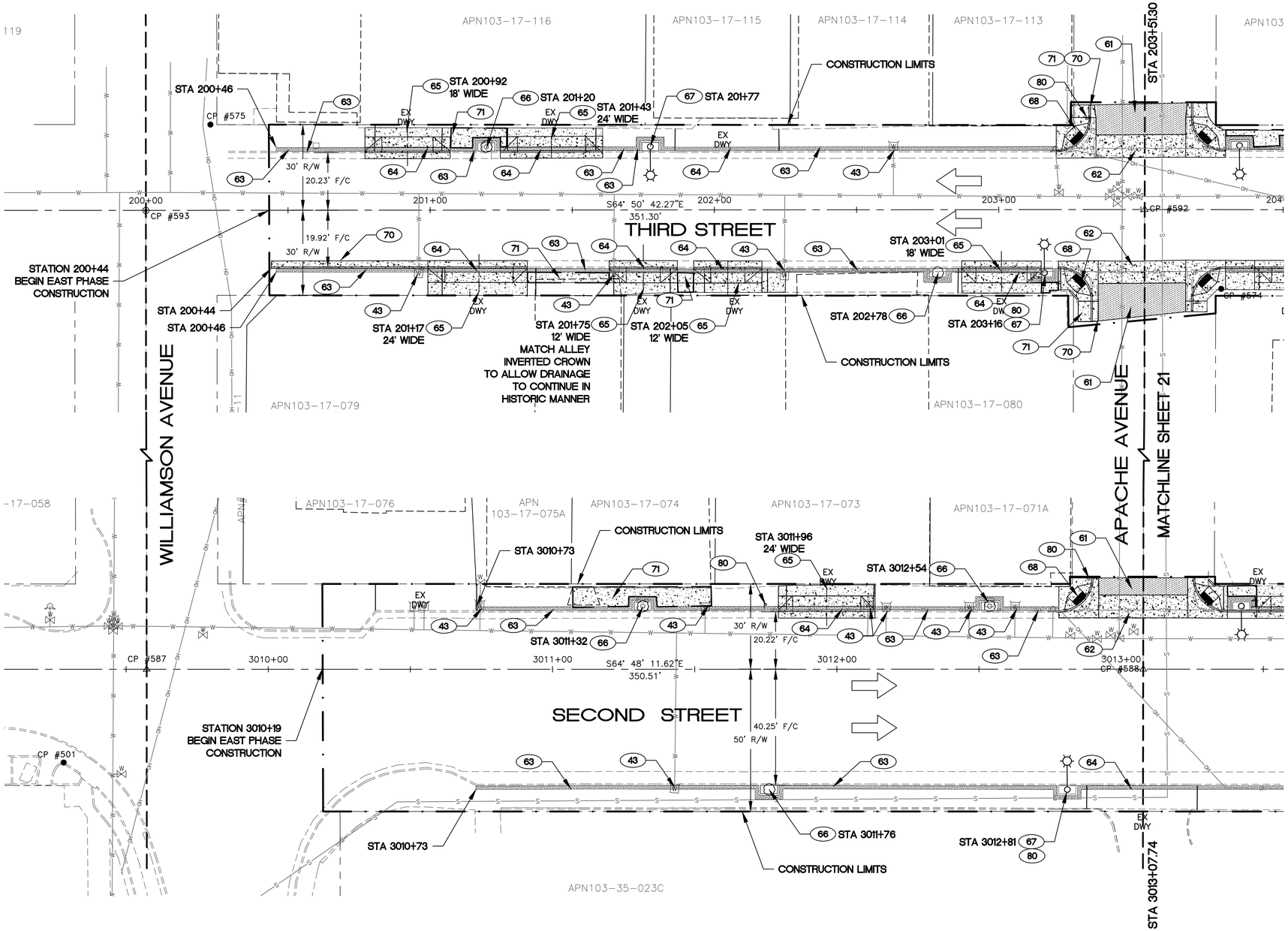
SHEET 4 OF 8

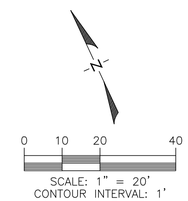
TRACS NO. WIN SL705 01C | WIN-0(202)T | ___ OF ___

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

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	WIN-0(202)T	20	52	

SL705 01C





GENERAL NOTES

(43) (11 EA.) ADJUST EXISTING METER BOX/VALVE BOX TO GRADE.

(61) (479 S.F.) CONSTRUCT AC PAVEMENT PER PAVEMENT STRUCTURAL SECTION NO. 2 ON SHEET 2.

(62) (522 S.F.) CONSTRUCT 8' VALLEY GUTTER PER DETAIL 2 ON SHEET 4.

(63) (1,086 S.F) CONSTRUCT STANDARD DUTY PAVERS PER DETAIL 3 ON SHEET 4.

(64) (318 S.F) CONSTRUCT HEAVY DUTY PAVERS PER DETAIL 3 ON SHEET 4.

(65) (762 S.F.) CONSTRUCT DRIVEWAY ENTRANCE IN ACCORDANCE WITH MAG SD NO. 250-1.

(66) (5 EA.) CONSTRUCT TREE WELL PER DETAIL 4 ON SHEET 4.

(67) (3 EA.) CONSTRUCT LIGHT WELL PER DETAIL 5 ON SHEET 4 AND STREET LIGHT PER ELECTRICAL SHEET.

(68) (3 EA.) CONSTRUCT RAMP TYPE 'A' PER DETAIL 1 ON SHEET 4 AND DETAIL ON SHEETS 24-29.

(70) (12 L.F.) CONSTRUCT TYPE 'D' CURB & GUTTER PER ADOT C-05.10 – MATCH EXISTING HEIGHT AND WIDTH.

(71) (630 S.F.) CONSTRUCT CONCRETE SIDEWALK PER ADOT C-05.20 – MATCH EXISTING WIDTH, ON 3" AGGREGATE BASE PER SPECIFICATIONS.

(80) (5 EA.) RE-INSTALL SIGN PANEL, SEE SIGNING SHEET.

LEGEND

TRAFFIC FLOW ARROW

LIMITS OF CONSTRUCTION

FN: 110503	NAME	DATE
DESIGN	SDP	02/16
DRAWN	RRW	02/16
CHECKED	MWW	05/16

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CITY OF WINSLOW
21 WILLIAMSON AVE
WINSLOW, AZ 86047

PLAN SHEET
THIRD ST. 200+00 TO 203+50
SECOND ST. 3009+60 TO 3013+10

ROUTE: SR 66
LOCATION: 2ND ST AND 3RD ST: PRAIRIE AVE – SNIDER AVE

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 10518 JEFFREY A. SWAN Date Signed 05-09-16 ARIZONA, U.S.A.
EXPIRES 6/30/2016

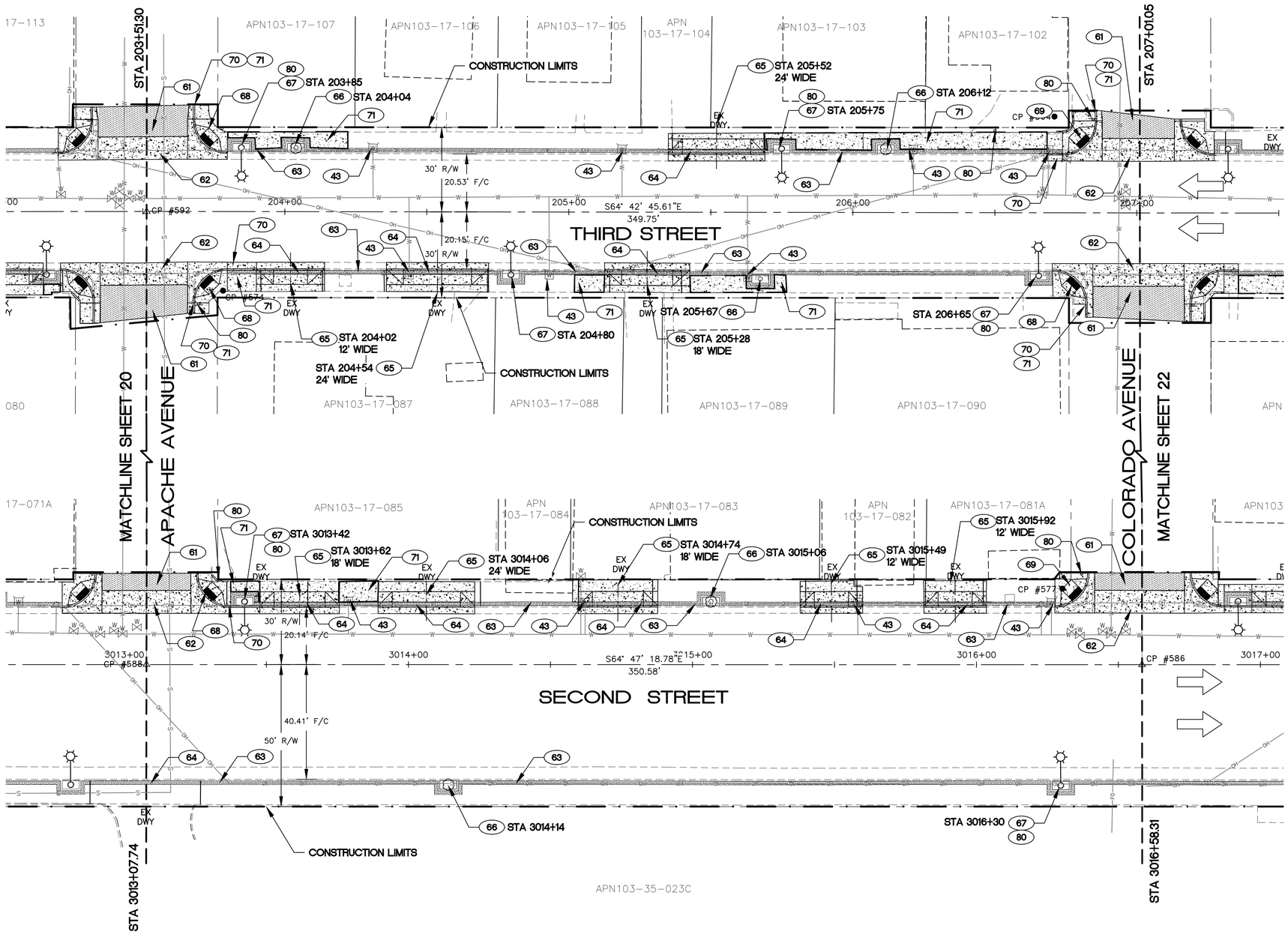
SHEET 5 OF 8

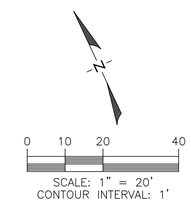
TRACS NO. WIN SL705 01C | WIN-0(202)T | ___ OF ___

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

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	WIN-0(202)T	21	52	

SL705 01C





GENERAL NOTES

(43) (11 EA.) ADJUST EXISTING METER BOX/VALVE BOX TO GRADE.

(61) (892 S.F.) CONSTRUCT AC PAVEMENT PER PAVEMENT STRUCTURAL SECTION NO. 2 ON SHEET 2.

(62) (919 S.F.) CONSTRUCT 8' VALLEY GUTTER PER DETAIL 2 ON SHEET 4.

(63) (1,354 S.F) CONSTRUCT STANDARD DUTY PAVERS PER DETAIL 3 ON SHEET 4.

(64) (388 S.F) CONSTRUCT HEAVY DUTY PAVERS PER DETAIL 3 ON SHEET 4.

(65) (944 S.F.) CONSTRUCT DRIVEWAY ENTRANCE IN ACCORDANCE WITH MAG SD NO. 250-1.

(66) (5 EA.) CONSTRUCT TREE WELL PER DETAIL 4 ON SHEET 4.

(67) (6 EA.) CONSTRUCT LIGHT WELL PER DETAIL 5 ON SHEET 4 AND STREET LIGHT PER ELECTRICAL SHEET.

(68) (4 EA.) CONSTRUCT RAMP TYPE 'A' PER DETAIL 1 ON SHEET 4 AND DETAIL ON SHEETS 24-29.

(69) (2 EA.) CONSTRUCT RAMP TYPE 'B' PER DETAIL 1 ON SHEET 4 AND DETAIL ON SHEETS 24-29.

(70) (36 L.F.) CONSTRUCT TYPE 'D' CURB & GUTTER PER ADOT C-05.10 – MATCH EXISTING HEIGHT AND WIDTH.

(71) (1,232 S.F.) CONSTRUCT CONCRETE SIDEWALK PER ADOT C-05.20 – MATCH EXISTING WIDTH, ON 3" AGGREGATE BASE PER SPECIFICATIONS.

(80) (10 EA.) RE-INSTALL SIGN PANEL, SEE SIGNING SHEET

LEGEND

TRAFFIC FLOW ARROW

LIMITS OF CONSTRUCTION

FN: 110503	NAME	DATE
DESIGN	SDP	02/16
DRAWN	RRW	02/16
CHECKED	MWW	05/16

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CITY OF WINSLOW
21 WILLIAMSON AVE
WINSLOW, AZ 86047

PLAN SHEET
THIRD ST. 203+50 TO 207+00
SECOND ST. 3013+10 TO 3016+60

ROUTE: SR 66
LOCATION: 2ND ST AND 3RD ST: PRAIRIE AVE – SNIDER AVE

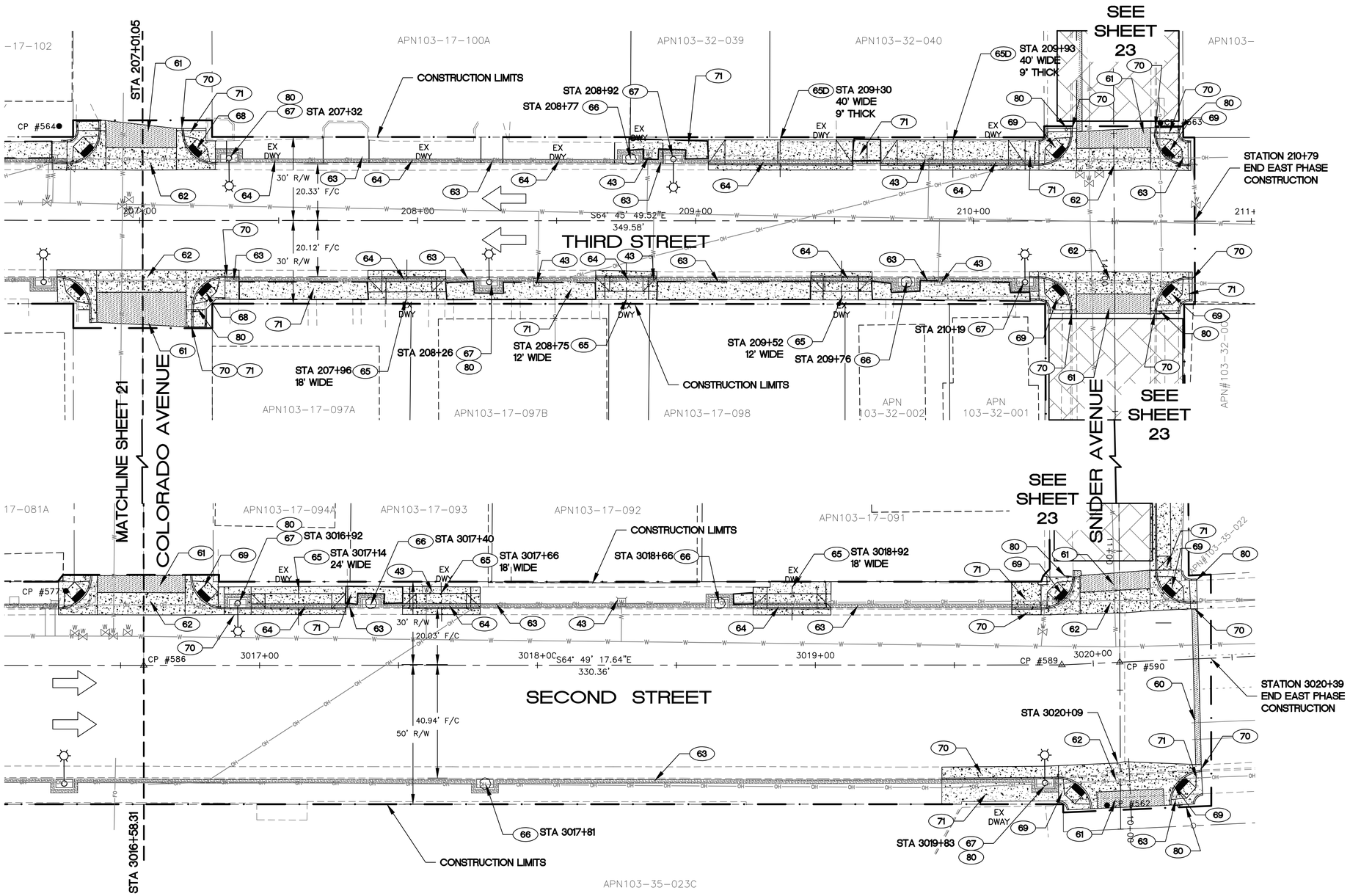
Registered Professional Engineer (Civil) CERTIFICATE NO. 10518 JEFFREY A. SWAN Date signed 05-02-16 ARIZONA, U.S.A.
EXPIRES 6/30/2016

SHEET 6 OF 8

TRACS NO. WIN SL705 01C | WIN-0(202)T | ___ OF ___

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	WIN-0(202)T	22	52	

SL705 01C



0 10 20 40

SCALE: 1" = 20'
CONTOUR INTERVAL: 1'

GENERAL NOTES

(43) (7 EA.) ADJUST EXISTING METER BOX/VALVE BOX TO GRADE.

(60) (112 S.F.) CONSTRUCT AC PAVEMENT PER PAVEMENT STRUCTURAL SECTION NO. 1 ON SHEET 2. SEE TRENCH DETAIL IN DETAIL 7 ON SHEET 7.

(61) (1092 S.F.) CONSTRUCT AC PAVEMENT PER PAVEMENT STRUCTURAL SECTION NO. 2 ON SHEET 2.

(62) (1,724 S.F.) CONSTRUCT 8' VALLEY GUTTER PER DETAIL 2 ON SHEET 4.

(63) (1,213 S.F) CONSTRUCT STANDARD DUTY PAVERS PER DETAIL 3 ON SHEET 4.

(64) (499 S.F) CONSTRUCT HEAVY DUTY PAVERS PER DETAIL 3 ON SHEET 4.

(65) (595 S.F.) CONSTRUCT DRIVEWAY ENTRANCE IN ACCORDANCE WITH MAG SD NO. 250-1.

(65D) (751 S.F.) CONSTRUCT DRIVEWAY ENTRANCE IN ACCORDANCE WITH MAG SD NO. 250-1 MODIFIED AS SHOWN ON SHEET 6. DEPTH SHALL BE 9".

(66) (5 EA.) CONSTRUCT TREE WELL PER DETAIL 4 ON SHEET 4.

(67) (6 EA.) CONSTRUCT LIGHT WELL PER DETAIL 5 ON SHEET 4 AND STREET LIGHT PER ELECTRICAL SHEET.

(68) (2 EA.) CONSTRUCT RAMP TYPE 'A' PER DETAIL 1 ON SHEET 4 AND DETAIL ON SHEETS 24-29.

(69) (9 EA.) CONSTRUCT RAMP TYPE 'B' PER DETAIL 1 ON SHEET 4 AND DETAIL ON SHEETS 24-29.

(70) (98 L.F.) CONSTRUCT TYPE 'D' CURB & GUTTER PER ADOT C-05.10 - MATCH EXISTING HEIGHT AND WIDTH.

(71) (2,094 S.F.) CONSTRUCT CONCRETE SIDEWALK PER ADOT C-05.20 - MATCH EXISTING WIDTH, ON 3" AGGREGATE BASE PER SPECIFICATIONS.

(80) (11 EA.) RE-INSTALL SIGN PANEL, SEE SIGNING SHEET.

LEGEND

TRAFFIC FLOW ARROW

LIMITS OF CONSTRUCTION

SHEET CUT AREA

FN: 110503	NAME	DATE
DESIGN	SDP	02/16
DRAWN	RRW	02/16
CHECKED	MWW	05/16

WOODSON
ENGINEERING AND SURVEYING, INC.
724 N. Elden St. • Flagstaff, AZ 86001
(928) 774-4636 • Fax (928) 774-4646

CITY OF WINSLOW
21 WILLIAMSON AVE
WINSLOW, AZ 86047

PLAN SHEET
THIRD ST. 207+00 TO 210+50
SECOND ST. 3016+60 TO 3020+10

ROUTE: SR 66
LOCATION: 2ND ST AND 3RD ST: PRAIRIE AVE - SNIDER AVE

Registered Professional Engineer (CIVIL) CERTIFICATE NO. 10518 JEFFREY A. SWAN Date Signed 05-02-16 ARIZONA, U.S.A.

EXPIRES 6/30/2016

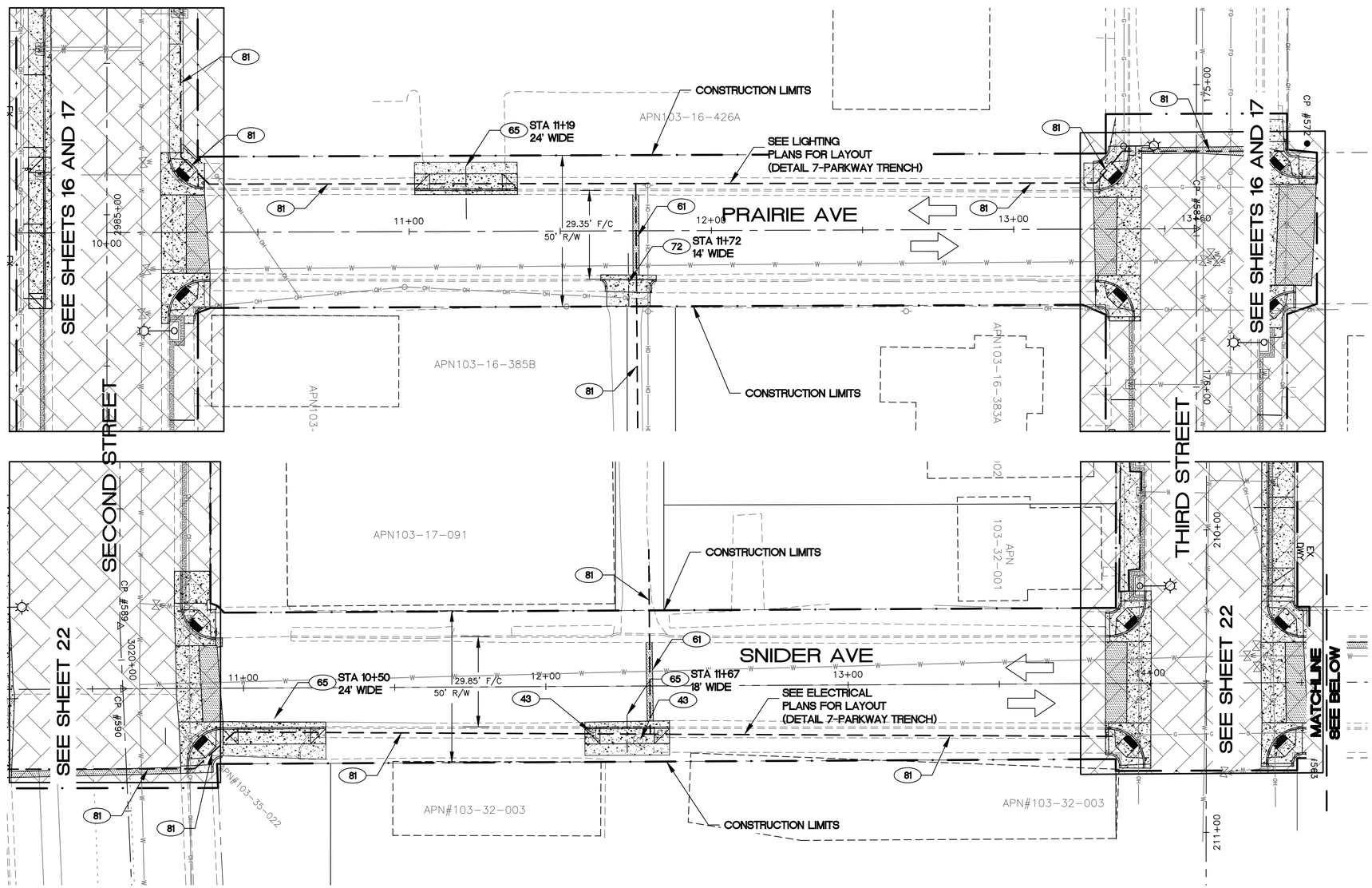
SHEET 7 OF 8

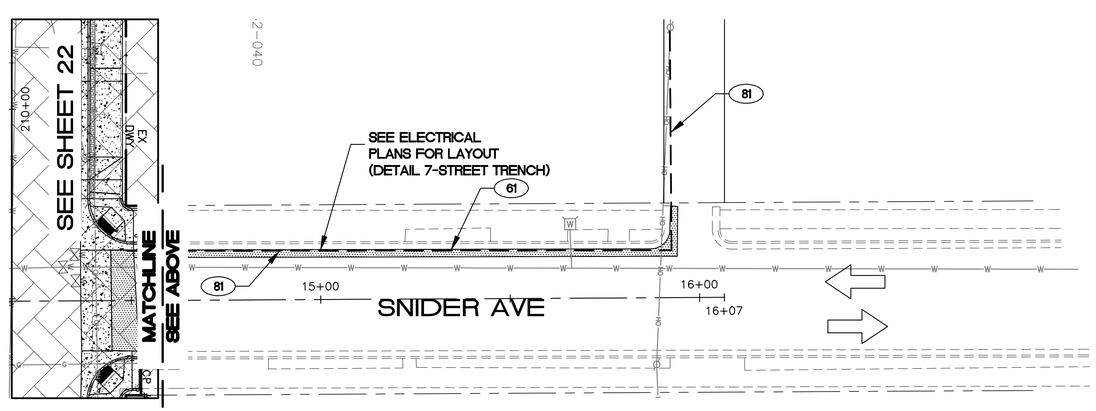
TRACS NO. WIN SL705 01C | WIN-0(202)T | ___ OF ___

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

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	WIN-0(202)T	23	52	

SL705 01C





0 10 20 40

SCALE: 1" = 20'
CONTOUR INTERVAL: 1'

GENERAL NOTES

(43) (2 EA.) ADJUST EXISTING METER BOX/VALVE BOX TO GRADE.

(61) (414 S.F.) CONSTRUCT AC PAVEMENT PER PAVEMENT STRUCTURAL SECTION NO. 2 ON SHEET 2. SEE TRENCH DETAIL IN DETAIL 7 ON SHEET 7.

(65) (480 S.F.) CONSTRUCT DRIVEWAY ENTRANCE IN ACCORDANCE WITH MAG SD NO. 250-1.

(72) (129 S.F.) CONSTRUCT RETURN TYPE DRIVEWAY PER MAG SD 251 MODIFIED TO HAVE 2' RADIUS RETURNS AS SHOWN ON SHEET 6. DEPTH OF CONCRETE SHALL BE 6".

(81) (1,131 L.F.) CONSTRUCT TRENCH AND BACKFILL PER DETAIL 7 ON SHEET 7.

LEGEND

TRAFFIC FLOW ARROW

LIMITS OF CONSTRUCTION

SHEET CUT AREA

FN: 110503	NAME	DATE
DESIGN	SDP	02/16
DRAWN	RRW	02/16
CHECKED	MWW	05/16

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CITY OF WINSLOW
21 WILLIAMSON AVE
WINSLOW, AZ 86047

PLAN SHEET
PRAIRIE AVE 10+30 TO 13+30.41
SNIDER AVE 10+30 TO 13+28.38

ROUTE: SR 66
LOCATION: 2ND ST AND 3RD ST: PRAIRIE AVE – SNIDER AVE

Registered Professional Engineer (Civil)
CERTIFICATE NO. 10518
JEFFREY A. SWAN
Date Signed 05-20-16
ARIZONA, U.S.A.
EXPIRES 6/30/2016

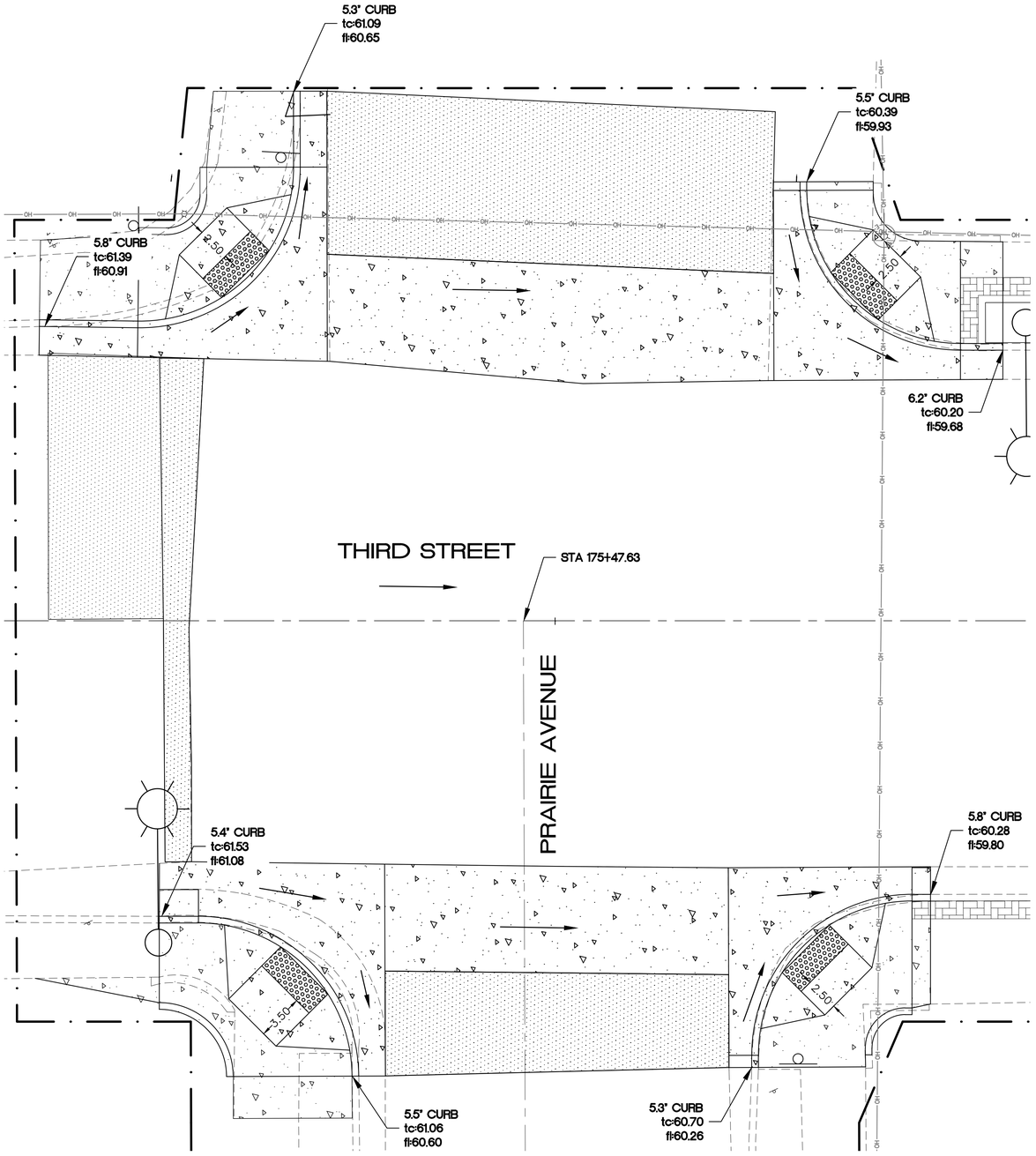
SHEET 8 OF 8

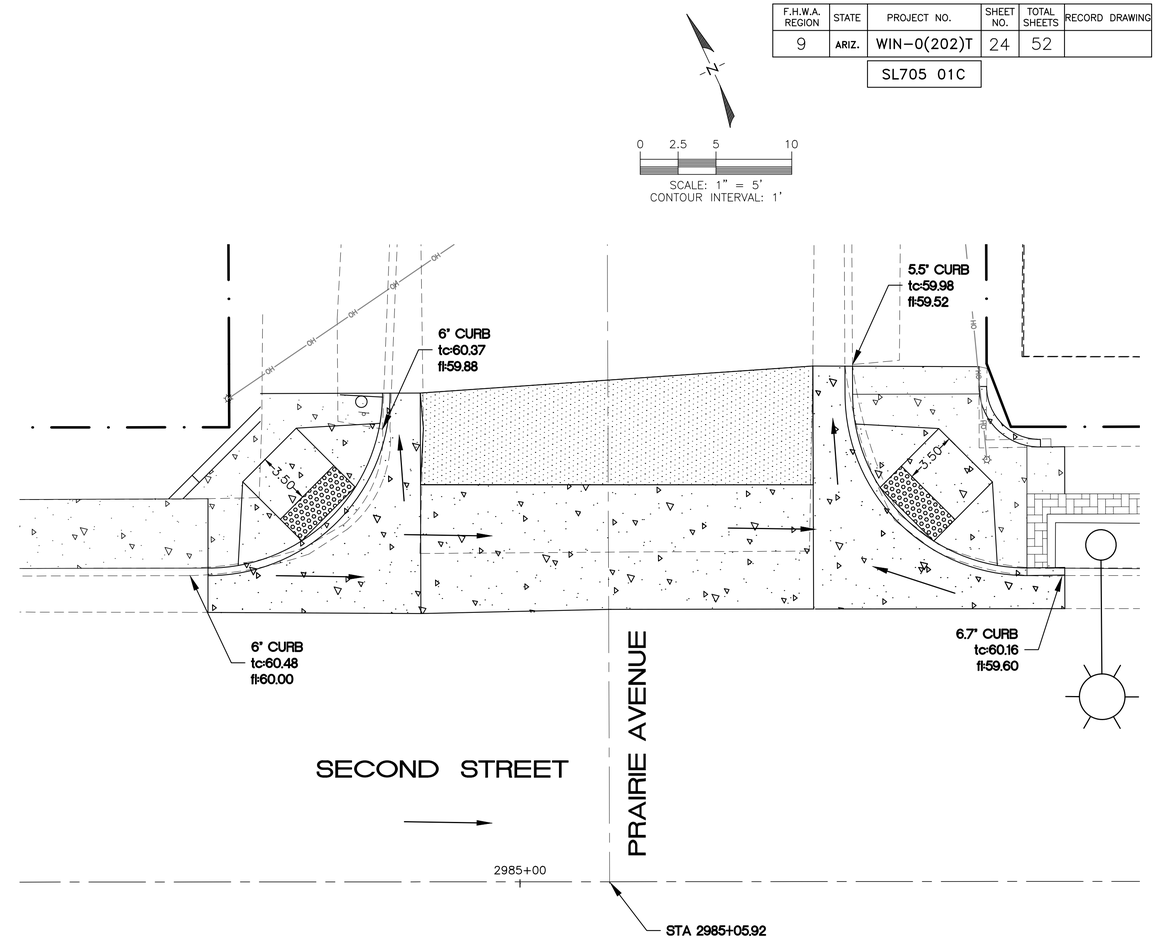
TRACS NO. WIN SL705 01C | WIN-0(202)T | ___ OF ___

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

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	WIN-0(202)T	24	52	

SL705 01C





SEE PLAN SHEETS 16 & 17

NOTE – INFORMATION PRESENTED ON SHEETS 24–29 REFLECTS SURVEY DATA COLLECTED IN THE FIELD, INDICATES VARYING CURB HEIGHTS, EXISTING FLOW DIRECTIONS AND ANTICIPATED LIMITS OF CONSTRUCTION. MANY OF THE EXISTING AND THEREFORE THE CONSTRUCTED VALLEY GUTTERS WILL HAVE MINIMAL LONGITUDINAL SLOPE.

LEGEND

←	DRAINAGE FLOW ARROW
—·—·—	LIMITS OF CONSTRUCTION
tc	EXISTING TOP OF CURB ELEVATION
fl	EXISTING FLOW LINE ELEVATION

FN: 110503	NAME	DATE
DESIGN	SDP	02/16
DRAWN	RRW	02/16
CHECKED	MWW	05/16

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(928) 774-4636 • Fax (928) 774-4646

CITY OF WINSLOW
21 WILLIAMSON AVE
WINSLOW, AZ 86047

RAMP DETAIL SHEET
PRAIRIE AVENUE

ROUTE: SR 66
LOCATION: 2ND ST AND 3RD ST: PRAIRIE AVE – SNIDER AVE

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 110518 JEFFREY A. SWAN Date Signed 05-09-16 ARIZONA, U.S.A.
EXPIRES 6/30/2016

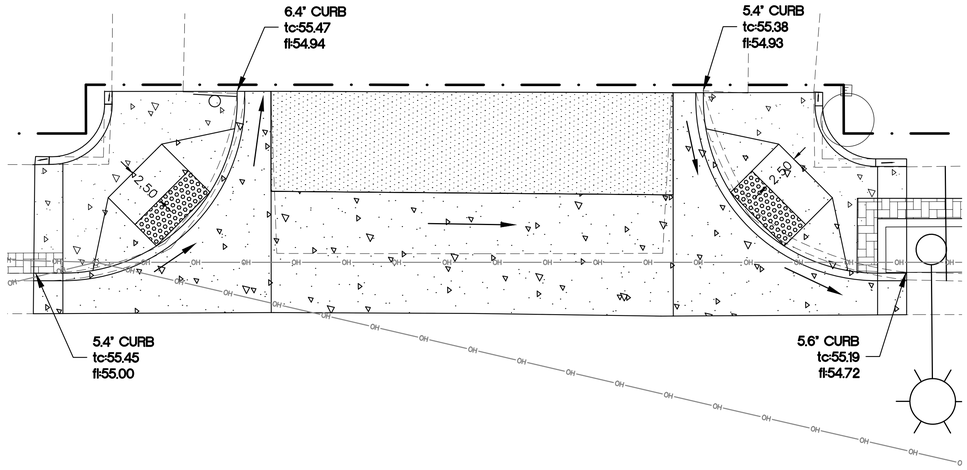
SHEET 1 OF 6

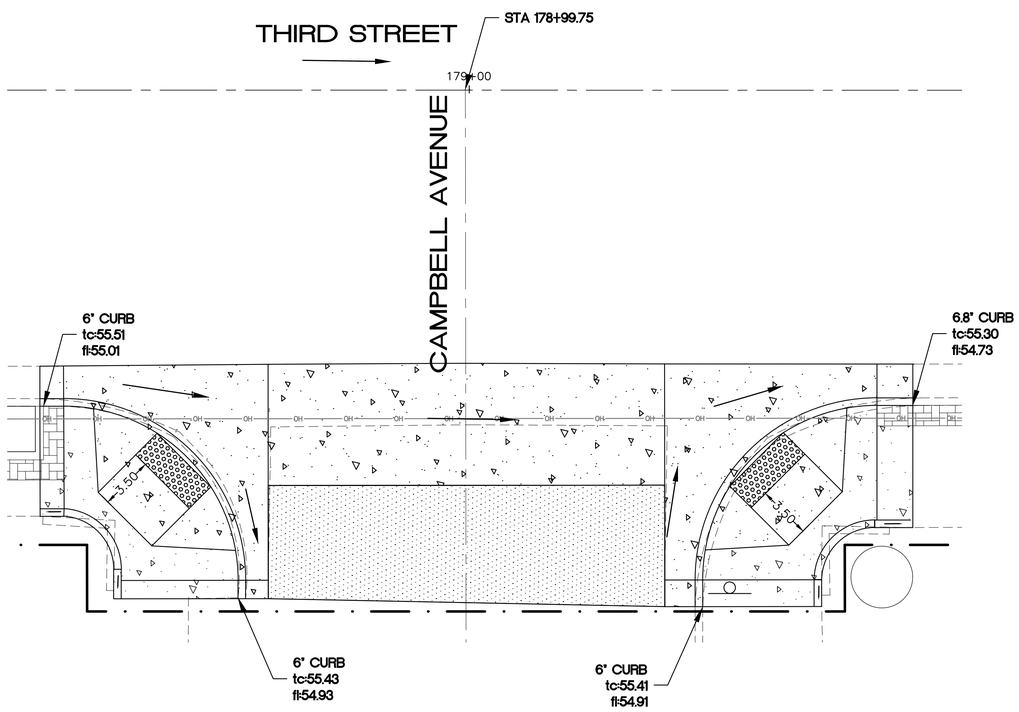
TRACS NO. WIN SL705 01C | WIN-0(202)T | ___ OF ___

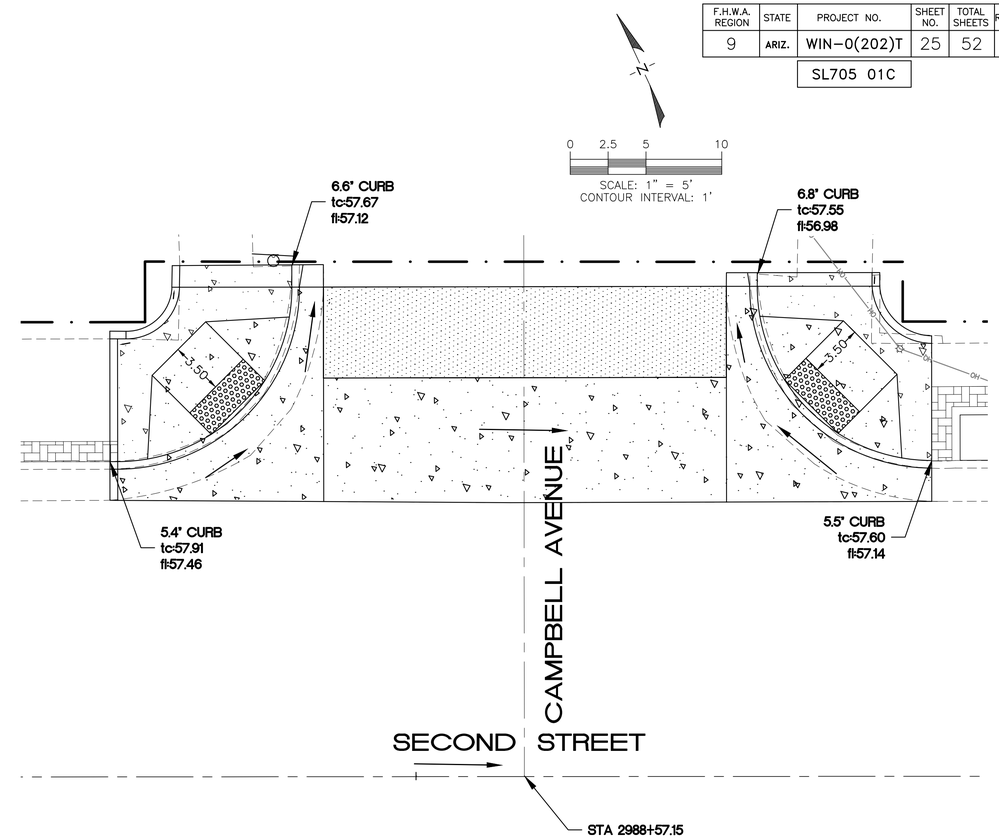
SURVEY NO. | FINISHED PLANS– | REVISIONS– | LOCATION– | DATE–

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	WIN-0(202)T	25	52	

SL705 01C







NOTE – INFORMATION PRESENTED ON SHEETS 24–29 REFLECTS SURVEY DATA COLLECTED IN THE FIELD, INDICATES VARYING CURB HEIGHTS, EXISTING FLOW DIRECTIONS AND ANTICIPATED LIMITS OF CONSTRUCTION. MANY OF THE EXISTING AND THEREFORE THE CONSTRUCTED VALLEY GUTTERS WILL HAVE MINIMAL LONGITUDINAL SLOPE.

LEGEND

←	DRAINAGE FLOW ARROW
—·—·—	LIMITS OF CONSTRUCTION
tc	EXISTING TOP OF CURB ELEVATION
fl	EXISTING FLOW LINE ELEVATION

SEE PLAN SHEETS 17 & 18

FN: 110503	NAME	DATE
DESIGN	SDP	02/16
DRAWN	RRW	02/16
CHECKED	MWW	05/16

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ENGINEERING AND SURVEYING, INC.
124 N. Elden St. • Flagstaff, AZ 86001
(928) 774-4636 • Fax (928) 774-4646

CITY OF WINSLOW
21 WILLIAMSON AVE
WINSLOW, AZ 86047

RAMP DETAIL SHEET
CAMPBELL AVENUE

Registered Professional Engineer (Civil)
CERTIFICATE NO. 10518
JEFFREY A. SWAN
Date Signed 05-09-16
ARIZONA, U.S.A.
EXPIRES 6/30/2016

ROUTE	LOCATION
SR 66	2ND ST AND 3RD ST: PRAIRIE AVE – SNIDER AVE

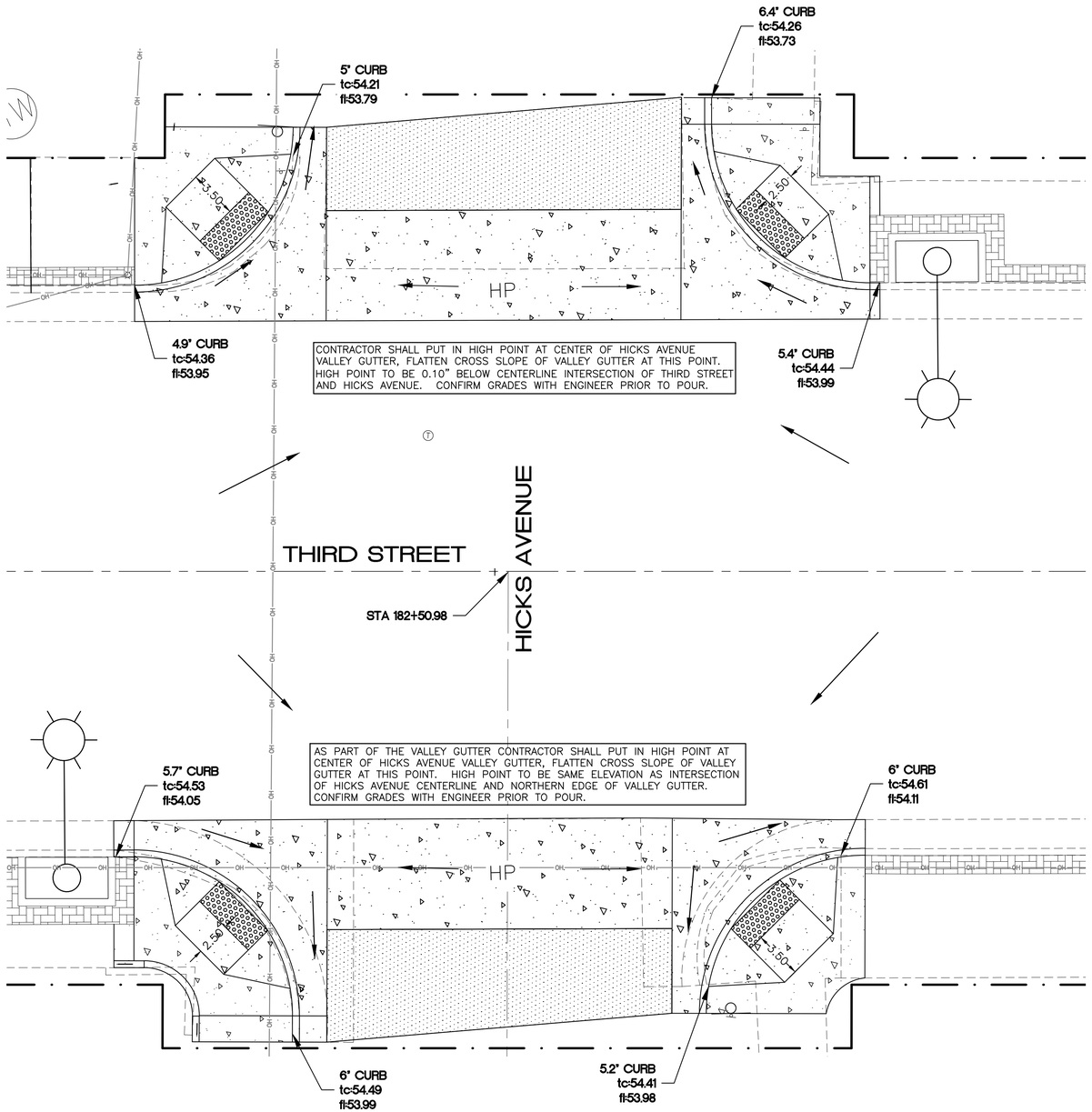
SHEET 2 OF 6

TRACS NO. WIN SL705 01C | WIN-0(202)T | ___ OF ___

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

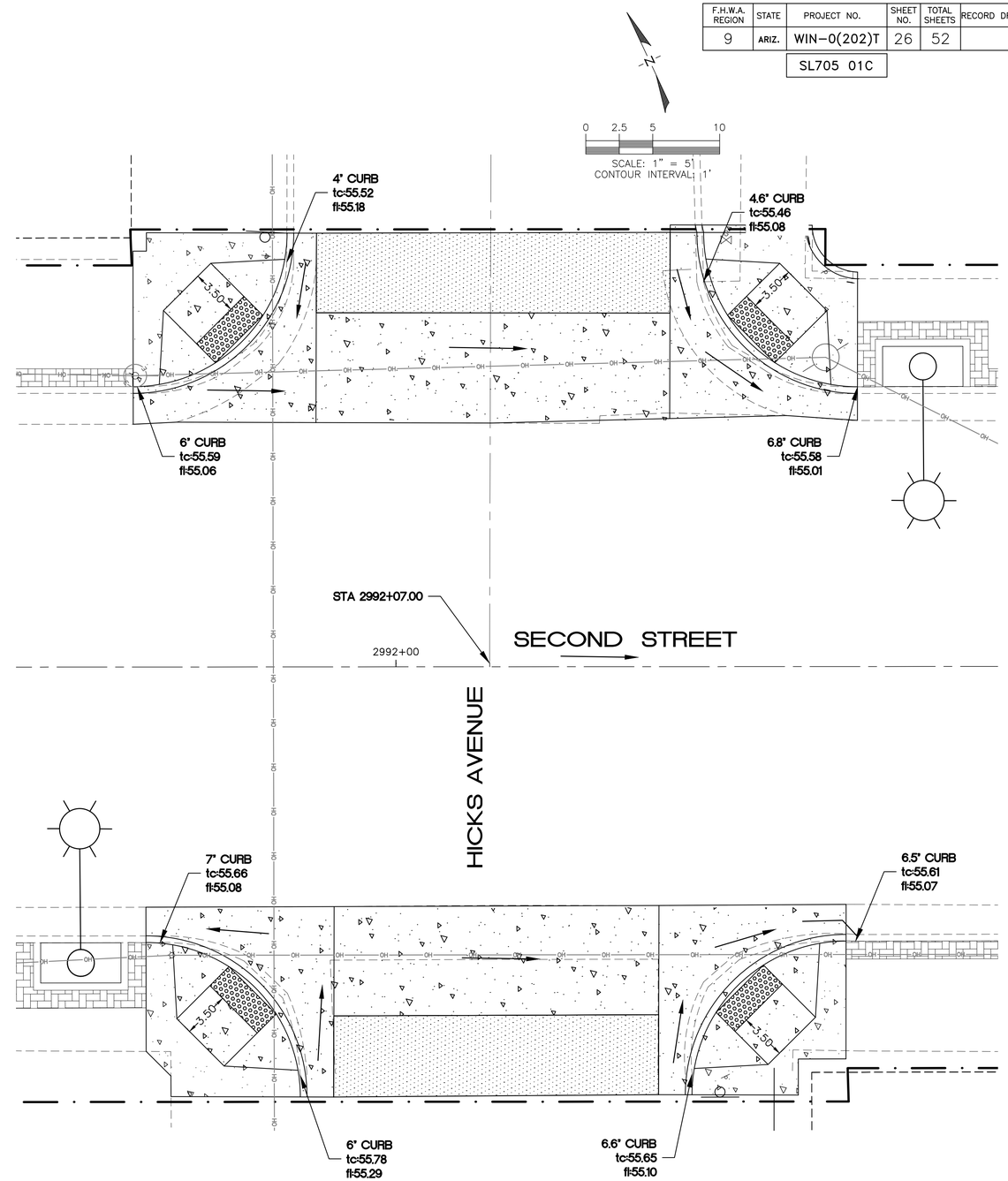
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	WIN-0(202)T	26	52	

SL705 01C



CONTRACTOR SHALL PUT IN HIGH POINT AT CENTER OF HICKS AVENUE VALLEY GUTTER, FLATTEN CROSS SLOPE OF VALLEY GUTTER AT THIS POINT. HIGH POINT TO BE 0.10" BELOW CENTERLINE INTERSECTION OF THIRD STREET AND HICKS AVENUE. CONFIRM GRADES WITH ENGINEER PRIOR TO POUR.

AS PART OF THE VALLEY GUTTER CONTRACTOR SHALL PUT IN HIGH POINT AT CENTER OF HICKS AVENUE VALLEY GUTTER, FLATTEN CROSS SLOPE OF VALLEY GUTTER AT THIS POINT. HIGH POINT TO BE SAME ELEVATION AS INTERSECTION OF HICKS AVENUE CENTERLINE AND NORTHERN EDGE OF VALLEY GUTTER. CONFIRM GRADES WITH ENGINEER PRIOR TO POUR.



NOTE – INFORMATION PRESENTED ON SHEETS 24–29 REFLECTS SURVEY DATA COLLECTED IN THE FIELD, INDICATES VARYING CURB HEIGHTS, EXISTING FLOW DIRECTIONS AND ANTICIPATED LIMITS OF CONSTRUCTION. MANY OF THE EXISTING AND THEREFORE THE CONSTRUCTED VALLEY GUTTERS WILL HAVE MINIMAL LONGITUDINAL SLOPE.

LEGEND

◄	DRAINAGE FLOW ARROW
—·—·—	LIMITS OF CONSTRUCTION
tc	EXISTING TOP OF CURB ELEVATION
fl	EXISTING FLOW LINE ELEVATION

SEE PLAN SHEETS 18 & 19

FN: 110503	NAME	DATE
DESIGN	SDP	02/16
DRAWN	RRW	02/16
CHECKED	MWW	05/16

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124 N. Elden St. • Flagstaff, AZ 86001
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CITY OF WINSLOW
21 WILLIAMSON AVE
WINSLOW, AZ 86047

RAMP DETAIL SHEET
HICKS AVENUE

Registered Professional Engineer (Civil) CERTIFICATE NO. 10518 JEFFREY A. SWAN Date signed 05-09-16 ARIZONA, U.S.A.

EXPIRES 6/30/2016

ROUTE	LOCATION
SR 66	2ND ST AND 3RD ST: PRAIRIE AVE – SNIDER AVE

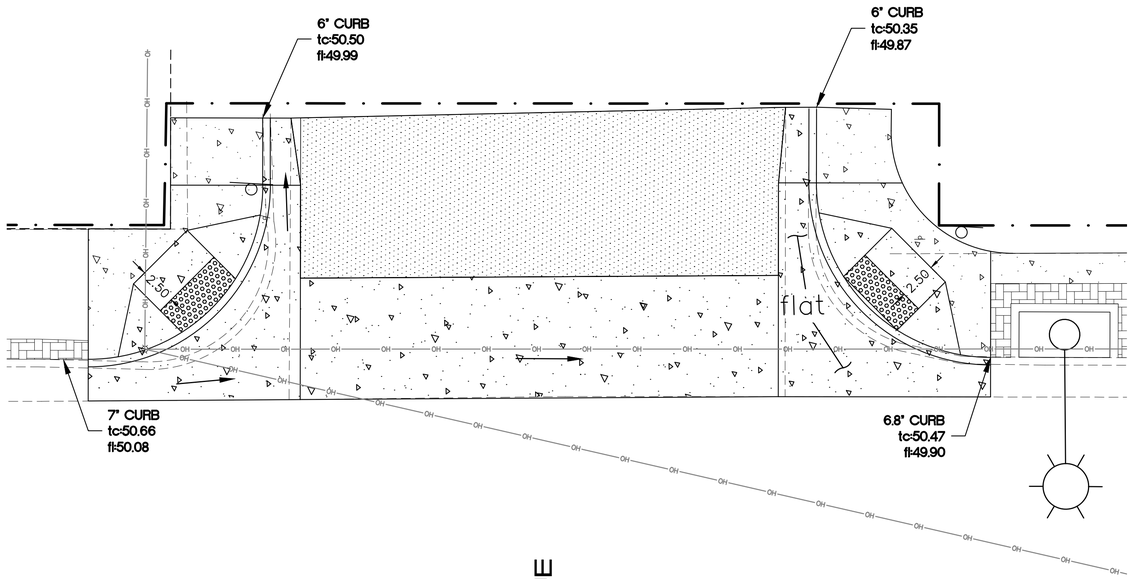
SHEET 3 OF 6

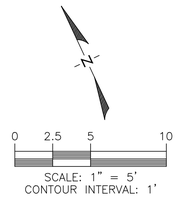
TRACS NO. WIN SL705 01C | WIN-0(202)T | ___ OF ___

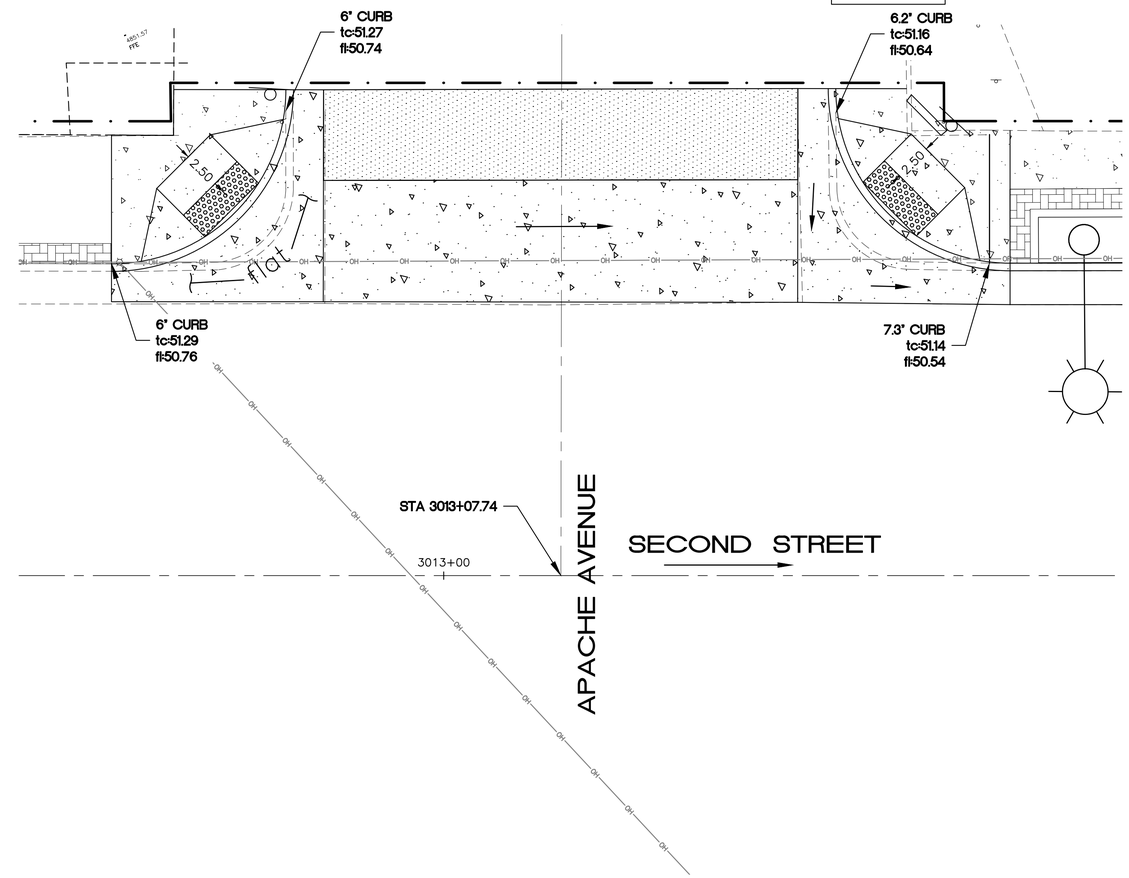
DATE– LOCATION– REVISIONS– FINISHED PLANS– SURVEY NO.

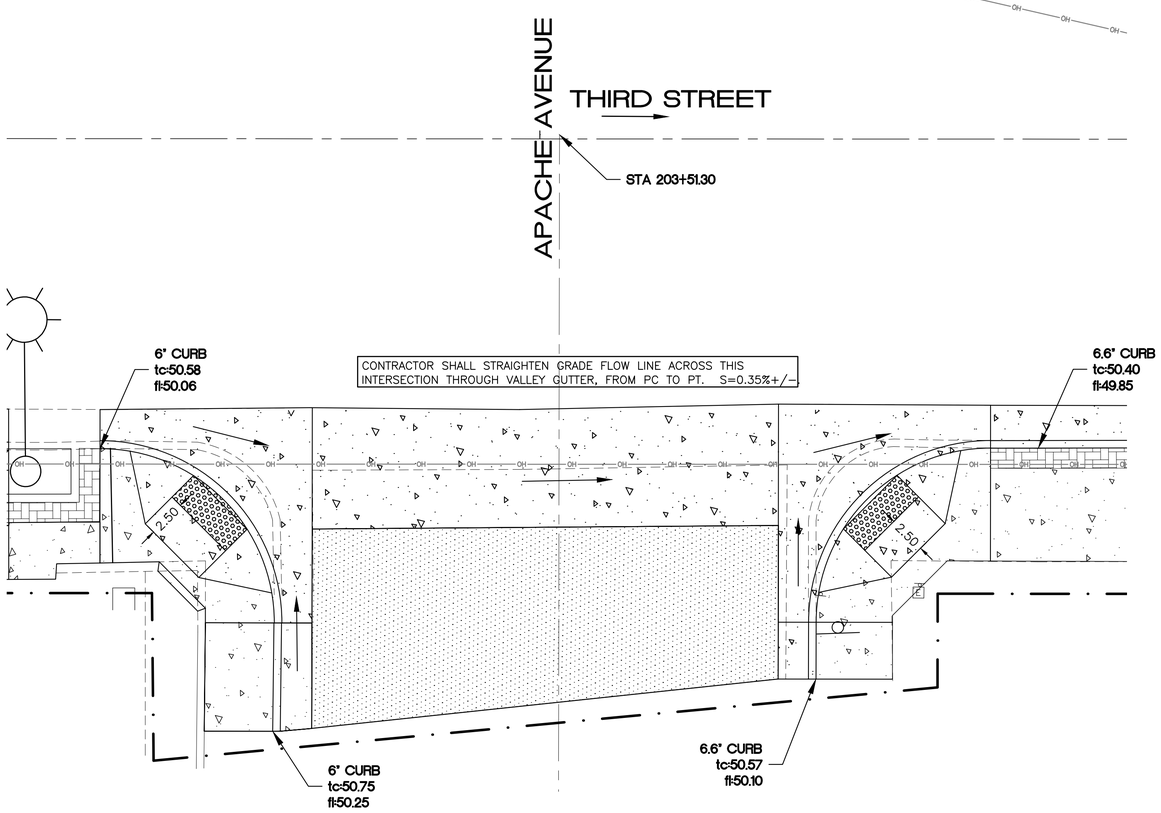
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	WIN-0(202)T	27	52	

SL705 01C









NOTE – INFORMATION PRESENTED ON SHEETS 24–29 REFLECTS SURVEY DATA COLLECTED IN THE FIELD, INDICATES VARYING CURB HEIGHTS, EXISTING FLOW DIRECTIONS AND ANTICIPATED LIMITS OF CONSTRUCTION. MANY OF THE EXISTING AND THEREFORE THE CONSTRUCTED VALLEY GUTTERS WILL HAVE MINIMAL LONGITUDINAL SLOPE.

LEGEND

←	DRAINAGE FLOW ARROW
—·—·—	LIMITS OF CONSTRUCTION
tc	EXISTING TOP OF CURB ELEVATION
fl	EXISTING FLOW LINE ELEVATION

SEE PLAN SHEETS 20 & 21

FN: 110503	NAME	DATE
DESIGN	SDP	02/16
DRAWN	RRW	02/16
CHECKED	MWW	05/16

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124 N. Elden St. • Flagstaff, AZ 86001
(928) 774-4636 • Fax (928) 774-4646

CITY OF WINSLOW
21 WILLIAMSON AVE
WINSLOW, AZ 86047

RAMP DETAIL
APACHE AVENUE

ROUTE: SR 66
LOCATION: 2ND ST AND 3RD ST: PRAIRIE AVE – SNIDER AVE

Registered Professional Engineer (Civil)
CERTIFICATE NO. 10518
JEFFREY A. SWAN
Date signed 05-09-16
ARIZONA, U.S.A.
EXPIRES 6/30/2016

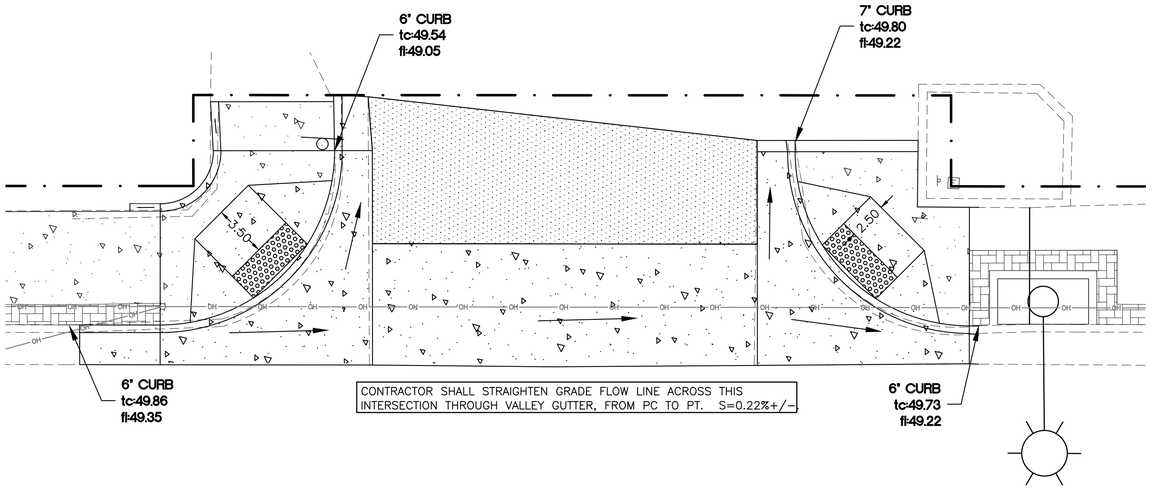
SHEET 4 OF 6

TRACS NO. WIN SL705 01C | WIN-0(202)T | ___ OF ___

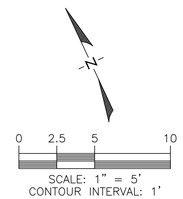
DATE– LOCATION– REVISIONS– FINISHED PLANS– SURVEY NO.

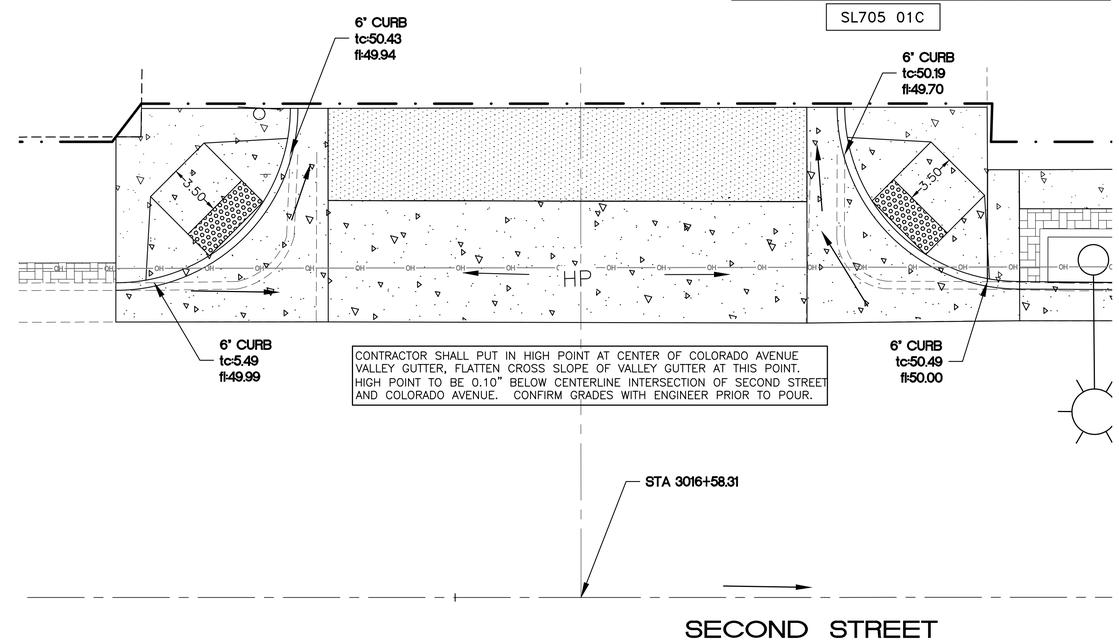
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	WIN-0(202)T	28	52	

SL705 01C

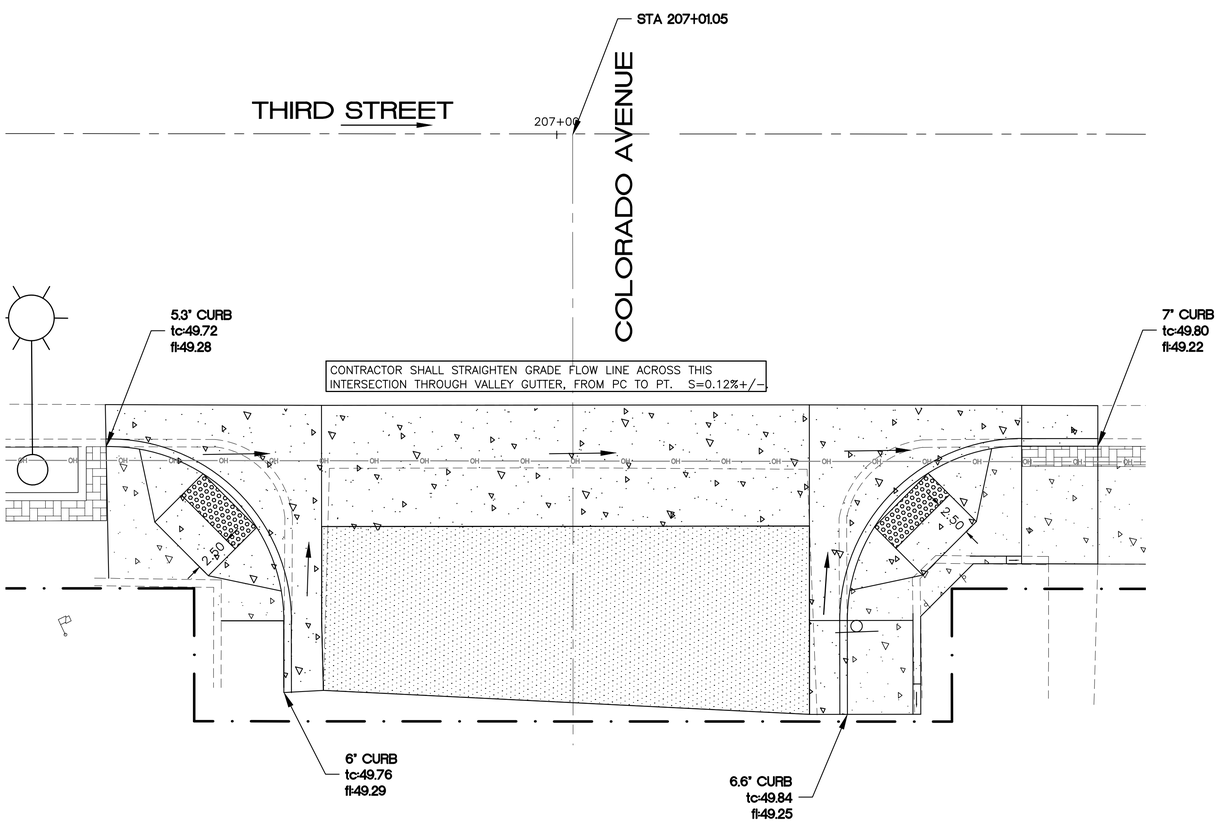


CONTRACTOR SHALL STRAIGHTEN GRADE FLOW LINE ACROSS THIS INTERSECTION THROUGH VALLEY GUTTER, FROM PC TO PT. S=0.22%+/-





CONTRACTOR SHALL PUT IN HIGH POINT AT CENTER OF COLORADO AVENUE VALLEY GUTTER, FLATTEN CROSS SLOPE OF VALLEY GUTTER AT THIS POINT. HIGH POINT TO BE 0.10" BELOW CENTERLINE INTERSECTION OF SECOND STREET AND COLORADO AVENUE. CONFIRM GRADES WITH ENGINEER PRIOR TO POUR.



CONTRACTOR SHALL STRAIGHTEN GRADE FLOW LINE ACROSS THIS INTERSECTION THROUGH VALLEY GUTTER, FROM PC TO PT. S=0.12%+/-

NOTE – INFORMATION PRESENTED ON SHEETS 24–29 REFLECTS SURVEY DATA COLLECTED IN THE FIELD, INDICATES VARYING CURB HEIGHTS, EXISTING FLOW DIRECTIONS AND ANTICIPATED LIMITS OF CONSTRUCTION. MANY OF THE EXISTING AND THEREFORE THE CONSTRUCTED VALLEY GUTTERS WILL HAVE MINIMAL LONGITUDINAL SLOPE.

LEGEND

←	DRAINAGE FLOW ARROW
—·—·—	LIMITS OF CONSTRUCTION
tc	EXISTING TOP OF CURB ELEVATION
fl	EXISTING FLOW LINE ELEVATION

SEE PLAN SHEETS 21 & 22

FN: 110503	NAME	DATE
DESIGN	SDP	02/16
DRAWN	RRW	02/16
CHECKED	MWW	05/16

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ENGINEERING AND SURVEYING, INC.
124 N. Elden St. • Flagstaff, AZ 86001
(928) 774-4636 • Fax (928) 774-4646

CITY OF WINSLOW
21 WILLIAMSON AVE
WINSLOW, AZ 86047

RAMP DETAIL
COLORADO AVENUE

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 10518 JEFFREY A. SWAN Date Signed 05-09-16 ARIZONA, U.S.A.

EXPIRES 6/30/2016

ROUTE: SR 66
LOCATION: 2ND ST AND 3RD ST: PRAIRIE AVE – SNIDER AVE

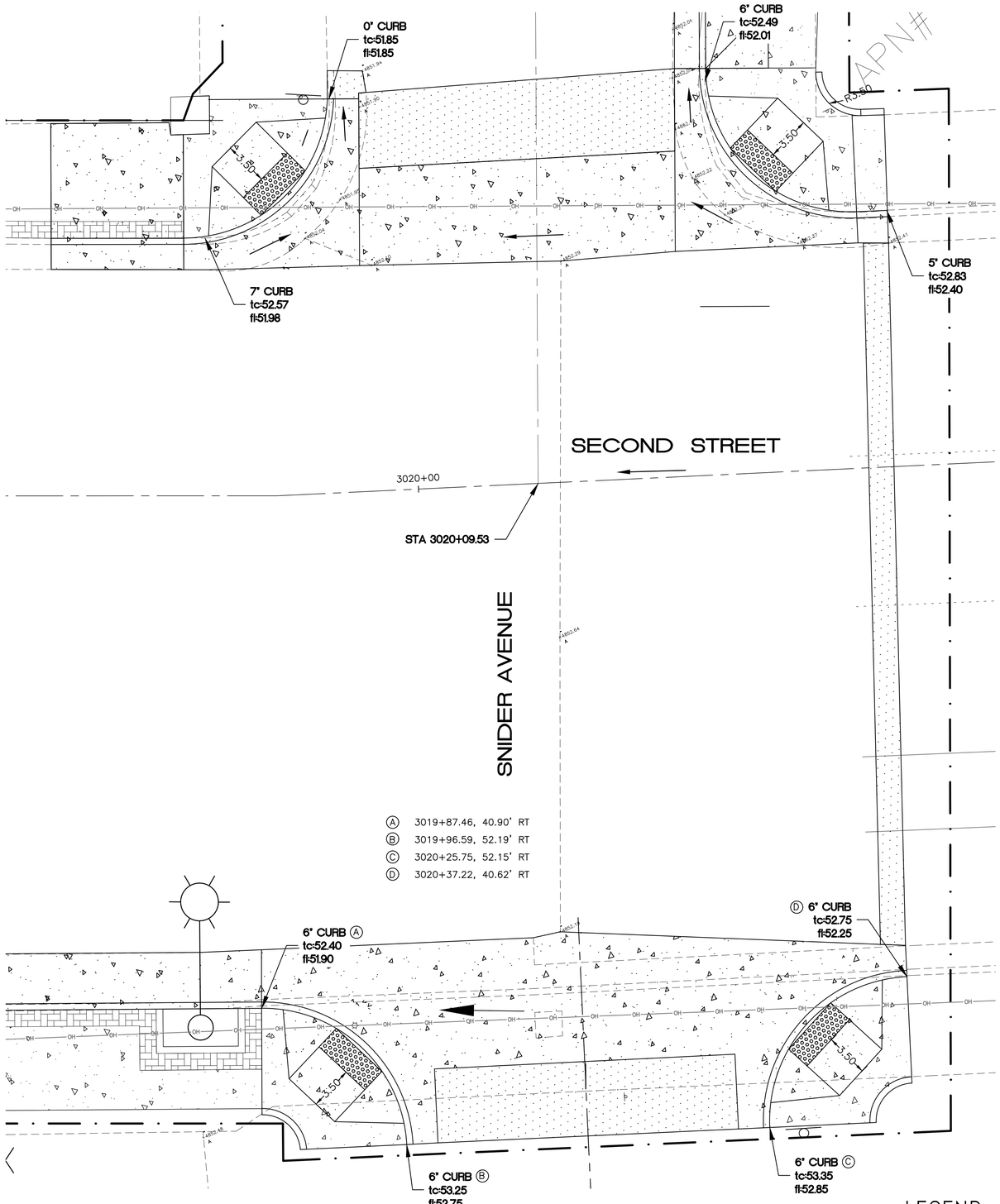
SHEET 5 OF 6

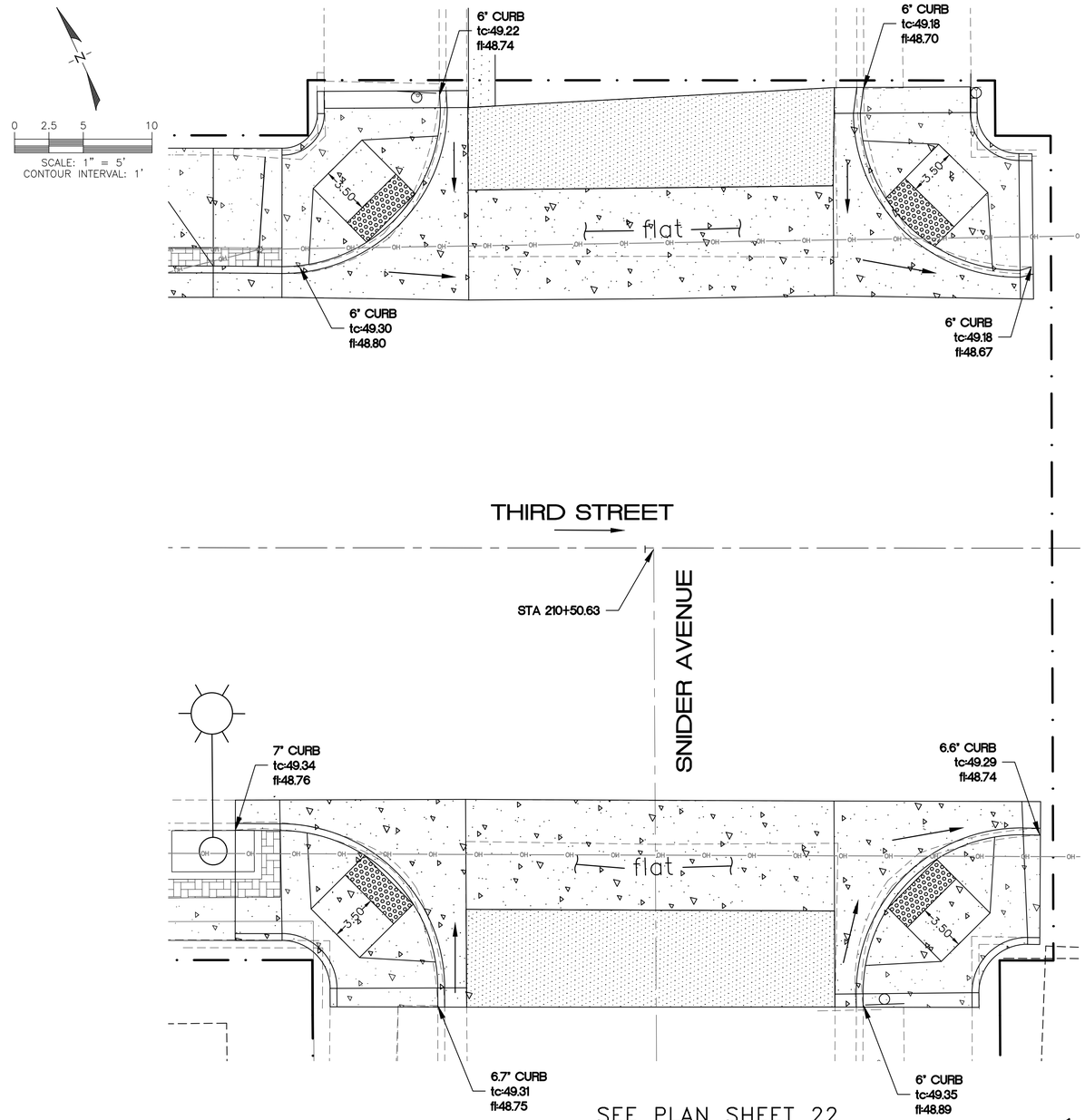
TRACS NO. WIN SL705 01C | WIN-0(202)T | ___ OF ___

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

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	WIN-0(202)T	29	52	

SL705 01C





SEE PLAN SHEET 22

NOTE – INFORMATION PRESENTED ON SHEETS 24–29 REFLECTS SURVEY DATA COLLECTED IN THE FIELD, INDICATES VARYING CURB HEIGHTS, EXISTING FLOW DIRECTIONS AND ANTICIPATED LIMITS OF CONSTRUCTION. MANY OF THE EXISTING AND THEREFORE THE CONSTRUCTED VALLEY GUTTERS WILL HAVE MINIMAL LONGITUDINAL SLOPE.

LEGEND

◄	DRAINAGE FLOW ARROW
▬	LIMITS OF CONSTRUCTION
tc	EXISTING TOP OF CURB ELEVATION
fl	EXISTING FLOW LINE ELEVATION
TC	PROPOSED TOP OF CURB ELEVATION
G	PROPOSED GUTTER ELEVATION

FN: 110503	NAME	DATE
DESIGN	SDP	02/16
DRAWN	RRW	02/16
CHECKED	MWW	05/16

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124 N. Elden St. • Flagstaff, AZ 86001
(928) 774-4636 • Fax (928) 774-4646

CITY OF WINSLOW
21 WILLIAMSON AVE
WINSLOW, AZ 86047

RAMP DETAIL
SNIDER AVENUE

ROUTE: SR 66
LOCATION: 2ND ST AND 3RD ST: PRAIRIE AVE – SNIDER AVE

Registered Professional Engineer (Civil) CERTIFICATE NO. 10518 JEFFREY A. SWAN Date signed 05-09-16 ARIZONA, U.S.A.

EXPIRES 6/30/2016

SHEET 6 OF 6

TRACS NO. WIN SL705 01C | WIN-0(202)T | ___ OF ___

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

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	WIN–0(202)T	30	52	

SL705 01C

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 AT NO ADDITIONAL COST TO THE DEPARTMENT.
3. THE RETRO–REFLECTIVE SHEETING ON ALL CONSTRUCTION SIGNS SHALL MEET CRITERIA ESTABLISHED IN SECTION 1007 OF THE SPECIFICATIONS.
4. ALL LONG TERM SIGNS SHOWN ON THE PLANS SHALL BE MOUNTED ON EMBEDDED POSTS. FOR SIGNS MOUNTED ON EMBEDDED POSTS, SIGN MOUNTING HEIGHT SHALL BE A MINIMUM OF 7 FEET AS MEASURED FROM THE BOTTOM OF THE SIGN TO THE NEAR EDGE OF PAVEMENT. ALL SHORT TERM SIGNS MAY BE MOUNTED ON RIGID OR SPRING STANDS ONE FOOT ABOVE THE PAVEMENT.
5. THE NEAREST EDGE OR CORNER OF A SIGN MOUNTED ON EMBEDDED POSTS SHALL BE APPROXIMATELY 12 FEET FROM THE NEAREST EDGE OF PAVEMENT.
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 12 FEET O.C. IN TAPERS AND 25 FEET O.C. ON TANGENTS, EXCEPT AS NOTED ON PLANS.
8. THE CONTRACTOR MAY SUBSTITUTE TYPE I BARRICADES FOR TYPE II BARRICADES AS LONG AS THE THE REFLECTIVE AREA ON THE TOP PANEL OF THE TYPE I BARRICADES IS EQUIVALENT OR GREATER THAN THE REFLECTIVE AREA OF THE TYPE II BARRICADES.
9. A TYPE 'C' STEADY–BURNING YELLOW LIGHT SHALL BE MOUNTED ON EVERY BARRICADE IN TAPERS AND ALTERNATING BARRICADES ON TANGENTS.
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 OF COVERING OR TURNING THEM SHALL BE CONSIDERED PART OF THE SIGN INSTALLATION COST. NO FURTHER COMPENSATION SHALL BE MADE. THESE SIGNS SHALL BE REMOVED WITHIN 24 HOURS OF 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 AT LEAST ONE LANE OF TRAFFIC ON 2ND AND THIRD STREETS AT ALL TIMES.
13. ALL CONSTRUCTION SIGNS SHALL HAVE BLACK LETTERS ON AN ORANGE BACKGROUND EXCEPT AS OTHERWISE NOTED.
14. SPEED LIMIT SIGNING IS PRELIMINARY AND IS SUBJECT TO REVIEW AND CHANGE BY THE ENGINEER AS DICTATED BY FIELD CONDITIONS.
15. ALL DRAWINGS ARE SCHEMATIC AND NOT TO SCALE.
16. 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 CONSTRCUTION.

APPROXIMATE TRAFFIC CONTROL QUANTITIES

		DURATION (DAYS)	150*	40	35	40	35	150
ITEM NO.	ITEM	UNIT	ACTIVITY NO. 1	ACTIVITY NO. 2 A	ACTIVITY NO. 2 B	ACTIVITY NO. 3 A	ACTIVITY NO. 3 B	TOTAL
7016030	BARRICADE (TYPE II, VERTICAL PANEL, TUBULAR MARKER)	EACH–DAY	–	5,160	2,240	5,160	2,240	14,800
7016031	BARRICADE (TYPE III, HIGH LEVEL FLAG TREES)	EACH–DAY	–	640	280	640	280	1,840
7016035	WARNING LIGHTS (TYPE A)	EACH–DAY	2,250	320	280	320	280	3,450
7016037	WARNING LIGHTS (TYPE C)	EACH–DAY	–	2,880	1,260	2,880	1,260	8,280
7016039	EMBEDDED SIGN POST	EACH–DAY	2,850	–	–	–	–	2,850
7016047	TEMPORARY SIGN (TYPE II) (LESS THAN 10 S.F.)	EACH–DAY	2,250	640	420	640	420	4,370
7016048	TEMPORARY SIGN (TYPE II) (10 S.F. OR MORE)	EACH–DAY	300	640	280	640	280	2,140

* ACTIVITY NO. 1 IS FOR THE DURATION OF THE PROJECT WHICH IS 150 CALENDAR DAYS. REFER TO MAINTENANCE OF TRAFFIC TABLE ON SHEET 31.

FN: 110503	NAME	DATE
DESIGN	SDP	02/16
DRAWN	RRW	02/16
CHECKED	MWW	05/16

WOODSON
ENGINEERING AND SURVEYING, INC.
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(928) 774–4636 • Fax (928) 774–4646

CITY OF WINSLOW
21 WILLIAMSON AVE
WINSLOW, AZ 86047

TRAFFIC CONTROL SHEET
NOTES & QUANTITIES

Registered Professional Engineer (Civil) CERTIFICATE NO. 10518 JEFFREY A. SWAN Date Signed 05-09-16 ARIZONA, U.S.A.

EXPIRES 6/30/2016

ROUTE	LOCATION
SR 66	2ND ST AND 3RD ST: PRAIRIE AVE – SNIDER AVE

SHEET 1 OF 5

TRACS NO. WIN SL705 01C | WIN–0(202)T | ___ OF ___

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

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	WIN-0(202)T	31	52	

SL705 01C

MAINTENANCE OF TRAFFIC			
ACTIVITY NO.	CONSTRUCTION ACTIVITY	TRAFFIC CONTROL	COMMENTS
1	INSTALL PROJECT ADVANCE WARNING SIGNS.	PROVIDE "ROAD WORK AHEAD" SIGNS ON ALL APPROACHES TO THE WORK ZONE AND "END ROAD WORK THANK YOU" SIGNS AT THE EAST AND WEST ENDS OF THE PROJECT OR AS DIRECTED BY THE ENGINEER.	TRAFFIC CONTROL SHALL REMAIN FOR THE DURATION OF THE WORK AND SHALL BE PLACED ON EMBEDDED POSTS. SEE DETAIL TC-1.
2	INSTALL IMPROVEMENTS ON NORTH SIDES OF SECOND AND THIRD STREETS.	PROVIDE SHOULDER (PARKING LANE) CLOSURE PER FIGURE 6H-3 OF THE MUTCD. PROVIDE DETOURS FOR CROSS STREETS PER FIGURE 6H-20 OF THE MUTCD. SIDEWALK CLOSURES PER FIGURE 6H-28.	STAGGER CROSS STREET CLOSURES TO MAINTAIN ACCESS TO MID-BLOCK PROPERTIES AS SHOWN IN DETAIL TC-2. CHANNELIZATION DEVICES SHALL BE TYPE I BARRICADES OR VERTICAL PANELS.
3	INSTALL IMPROVEMENTS ON SOUTH SIDES OF SECOND AND THIRD STREETS.	PROVIDE SHOULDER (PARKING LANE) CLOSURE PER FIGURE 6H-3 OF THE MUTCD. PROVIDE DETOURS FOR CROSS STREETS PER FIGURE 6H-20 OF THE MUTCD. SIDEWALK CLOSURES PER FIGURE 6H-28.	STAGGER CROSS STREET CLOSURES TO MAINTAIN ACCESS TO MID-BLOCK PROPERTIES AS SHOWN IN DETAIL TC-3. CHANNELIZATION DEVICES SHALL BE TYPE I BARRICADES OR VERTICAL PANELS.

NOTES:
1. THE ORDER OF ACTIVITIES ABOVE DOES NOT CONSTITUTE A SEQUENCE OF CONSTRUCTION.
2. THE CONTRACTOR SHALL PERFORM THE WORK IN THE MOST EXPEDITIOUS MANNER CONSISTENT WITH THE PROJECT PLANS, THE SPECIAL PROVISIONS AND THE APPROVAL OF THE ENGINEER.

FN: 110503	NAME	DATE
DESIGN	SDP	02/16
DRAWN	RRW	02/16
CHECKED	MWW	05/16

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TRAFFIC CONTROL SHEET
MAINTENANCE OF TRAFFIC

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 10518 JEFFREY A. SWAN Date Signed 05-09-16 ARIZONA, U.S.A.

EXPIRES 6/30/2016

ROUTE	LOCATION
SR 66	2ND ST AND 3RD ST: PRAIRIE AVE – SNIDER AVE

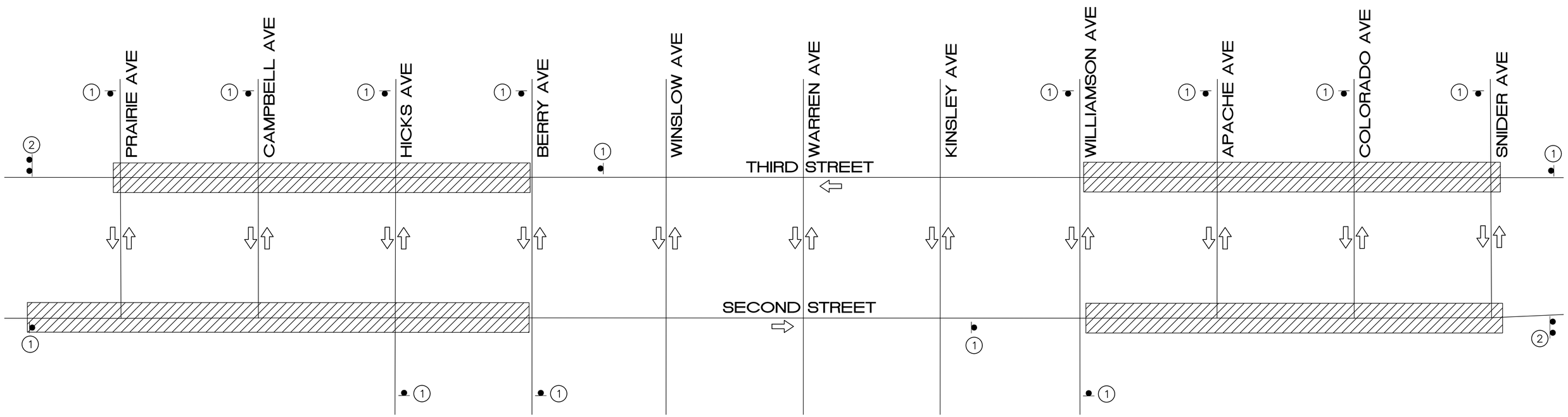
SHEET 2 OF 5

TRACS NO. WIN SL705 01C | WIN-0(202)T | ___ OF ___

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

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	WIN-0(202)T	32	52	

SL705 01C

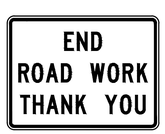


SYMBOL LEGEND:

	Sign on Embedded Post(s)
	Direction of Travel
	Work Area

ADVANCE WARNING SIGNS
THESE SIGNS SHALL BE IN PLACE FOR THE DURATION OF THE PROJECT.

W20-1
36"X36"



G20-2AZ
48"X36"

DETAIL TC-1

FN: 110503	NAME	DATE
DESIGN	SDP	02/16
DRAWN	RRW	02/16
CHECKED	MWW	05/16

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TRAFFIC CONTROL SHEET
ADVANCE WARNING SIGNS

ROUTE: SR 66
LOCATION: 2ND ST AND 3RD ST: PRAIRIE AVE – SNIDER AVE

Registered Engineer (Civil) CERTIFICATE NO. 10518 JEFFREY A. SWAN Date Signed 05-09-16 ARIZONA, U.S.A.
EXPIRES 6/30/2016

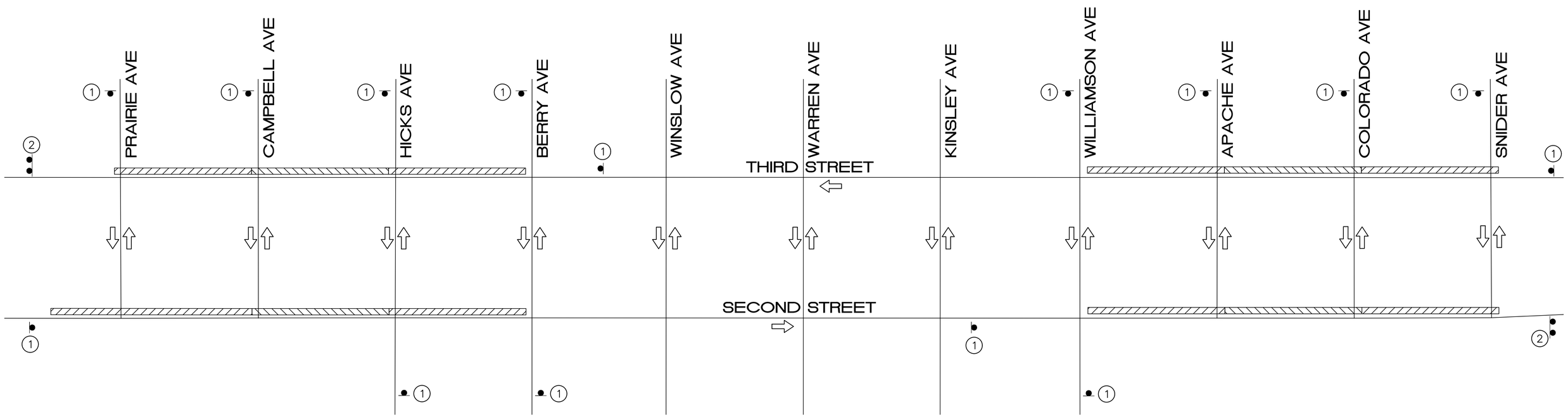
SHEET 3 OF 5

TRACS NO. WIN SL705 01C | WIN-0(202)T | ___ OF ___

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

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	WIN-0(202)T	33	52	

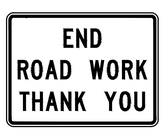
SL705 01C



SYMBOL LEGEND:

	Sign on Embedded Post(s)
	Direction of Travel
	Work Area Phase 1A
	Work Area Phase 1B

W20-1
36"X36"



G20-2AZ
48"X36"

DETAIL TC-2

FN: 110503	NAME	DATE
DESIGN	SDP	02/16
DRAWN	RRW	02/16
CHECKED	MWW	05/16

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TRAFFIC CONTROL SHEET
PHASE 1

ROUTE: SR 66
LOCATION: 2ND ST AND 3RD ST: PRAIRIE AVE – SNIDER AVE

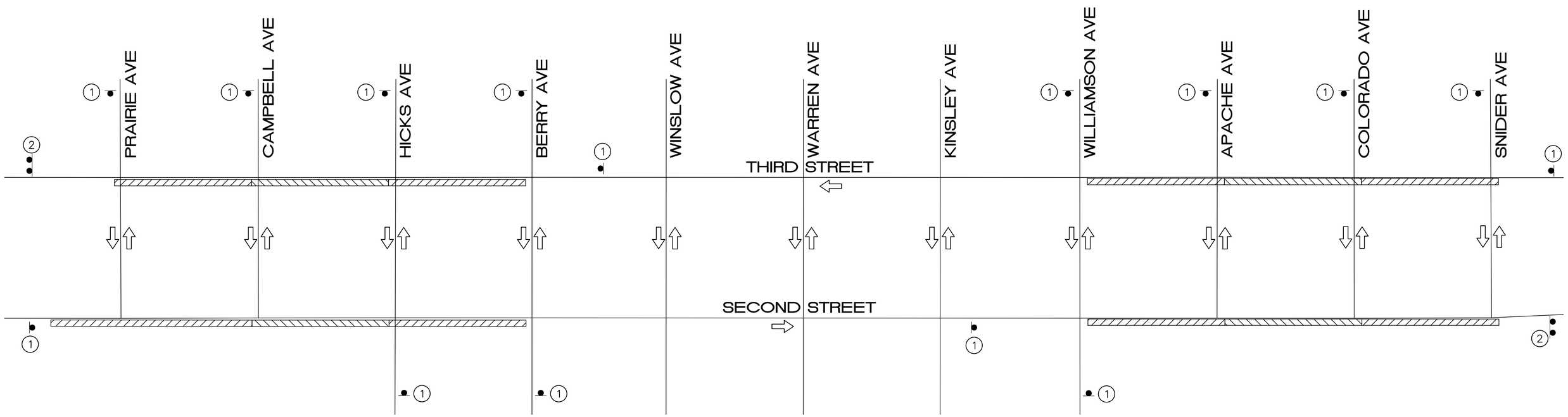
Registered Engineer (Civil) CERTIFICATE NO. 10518 JEFFREY A. SWAN Date Signed 05-09-16 ARIZONA, U.S.A.
EXPIRES 6/30/2016

SHEET 4 OF 5

TRACS NO. WIN SL705 01C | WIN-0(202)T | ___ OF ___

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	WIN-0(202)T	34	52	

SL705 01C



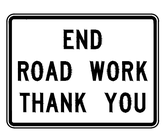
SYMBOL LEGEND:

	Sign on Embedded Post(s)
	Direction of Travel
	Work Area Phase 2A
	Work Area Phase 2B

1

W20-1
36"X36"

2



G20-2AZ
48"X36"

DETAIL TC-3

FN: 110503	NAME	DATE
DESIGN	SDP	02/16
DRAWN	RRW	02/16
CHECKED	MWW	05/16

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TRAFFIC CONTROL SHEET
PHASE 2

Registered Engineer (Civil) CERTIFICATE NO. 10518 JEFFREY A. SWAN Date Signed 05-09-16 ARIZONA, U.S.A.

EXPIRES 6/30/2016

ROUTE	LOCATION
SR 66	2ND ST AND 3RD ST: PRAIRIE AVE – SNIDER AVE

SHEET 5 OF 5

TRACS NO. WIN SL705 01C | WIN-0(202)T | ___ OF ___

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

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	WIN-0(202)T	35	52	

SL705 01C

ELECTRICAL DRAWING SPECIFICATION

1.0 GENERAL:

1.1. ALL ELECTRICAL WORK SHALL COMPLY WITH ALL APPLICABLE CITY, COUNTY, STATE, AND SERVING ELECTRICAL UTILITY CODES, ORDINANCES, RULES, AND REGULATIONS. THE ENTIRE INSTALLATION SHALL COMPLY WITH OR SURPASS THE REQUIREMENTS OF THE ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE.

1.2. THE COMPLETE INSTALLATION SHALL BE IN ACCORDANCE WITH THE A.D.A.A.G. (AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES).

1.3. ALL MATERIAL SHALL BE NEW, OF FIRST CLASS QUALITY, SHALL BE U.L. LISTED AND LABELED, AND FREE OF DEFECTS.

1.4. FIELD COORDINATE ROUTING OF STREET LIGHTING CONDUIT WITH EXISTING UNDERGROUND UTILITIES.

1.5. ELECTRICAL CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL ELECTRICAL DEVICES AND EQUIPMENT CONNECTIONS WITH OTHER TRADES TO AVOID CONFLICTS WITH HEIGHTS AND LOCATIONS.

1.6. ALL SAW-CUTTING AND PATCHING REQUIRED FOR INSTALLATION OF NEW RACEWAYS AND EQUIPMENT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR. ALL WORK SHALL BE PERFORMED BY TRADESMAN EXPERIENCED IN THE WORK REQUIRED. ALL FINISHES SHALL MATCH EXISTING ADJACENT FINISHES.

1.7. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY LOSS OR DAMAGE CAUSED BY HIM OR HIS WORKMEN TO THE FACILITY DURING THE COURSE OF CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING SUCH LOSS OR DAMAGE AT NO ADDITIONAL COST TO THE OWNER.

1.8. DRAWINGS ARE DIAGRAMMATIC IN NATURE AND CANNOT SHOW EVERY CONNECTION. JUNCTION BOXES, WIRE, CONDUIT, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A COMPLETE AND FUNCTIONAL ELECTRICAL SYSTEM.

1.9. ALL EXISTING CONDUIT RUNS ARE NOT SHOWN. VERIFY EXISTING CONDUIT LOCATIONS IN FIELD.

1.10. NO DESIGN CHANGES SHALL BE MADE TO THE ELECTRICAL SYSTEM WITHOUT THE PRIOR APPROVAL OF THE ELECTRICAL ENGINEER AND THE ELECTRICAL INSPECTOR.

2.0 SCOPE OF WORK:

2.1. FURNISH ALL MATERIALS, TOOLS AND LABOR AND PAY ALL PERMITS AND FEES REQUIRED FOR THE ELECTRICAL INSTALLATION UNLESS OTHERWISE NOTED ON PLANS. ALL PERMITS AND INSPECTIONS SHALL BE PROVIDED AS REQUIRED BY THE LOCAL CODE AUTHORITY.

2.2. THE CONTRACTOR SHALL VISIT THE SITE TO DETERMINE EXISTING CONDITIONS PRIOR TO SUBMITTING A BID.

2.3. THE CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING SITE UTILITIES BEFORE DIGGING TRENCHES.

2.4. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL NECESSARY POWER TRENCHING, BACKFILL, AND CONDUIT STUBS INTO TRENCH AS REQUIRED BY POWER CO. AND TO THEIR SPECIFICATIONS.

2.5. ALL TRENCHES RUNNING PARALLEL TO WALL OR BUILDING FOOTING AT GREATER DEPTH SHALL BE MINIMUM 4'-0" AWAY.

2.6. CONCEAL ALL CONDUIT WORK. WHERE THIS IS IMPOSSIBLE, CONTACT ENGINEER AND COORDINATE IN FIELD.

2.7. COORDINATE ALL POWER OUTAGES WITH ARIZONA PUBLIC SERVICE AND ANY LOCAL BUSINESS OWNERS THAT MAY BE AFFECTED IN ADVANCE.

2.8. ACQUIRE TWO COMPLETE SETS OF CONTRACT DRAWINGS AND FURNISH SETS TO THE ELECTRICAL POWER UTILITIES FOR UTILITY DESIGN AND COORDINATION.

2.9. FULLY GUARANTEE THE INSTALLATION FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE BY THE OWNER, AGAINST ANY IMPERFECT WORKMANSHIP AND MALFUNCTION OF EQUIPMENT. ANY WORK IDENTIFIED TO BE DEFECTIVE WITHIN THE GUARANTEE PERIOD SHALL BE PROMPTLY REPAIRED OR REPLACE AT NO ADDITIONAL COST THE THE OWNER.

3.0. SUBMITTALS:

3.1. SUBMIT UTILITY COORDINATION DRAWINGS AS REQUIRED BY ARIZONA PUBLIC SERVICE AND OTHER LOCAL UTILITIES.

3.2. SUBMIT PDF FORMAT SUBMITTALS FOR CITY, ENGINEER, AND APS REVIEW FOR ALL POLES, MAST ARMS, AND JUNCTION BOXES.

4.0. SUBSTITUTIONS:

4.1. ALL EQUIPMENT PROVIDED FOR THIS PROJECT MUST BE APPROVED BY ARIZONA PUBLIC SERVICE (APS) AND CITY OF WINSLOW. COORDINATE ALL EQUIPMENT USED ON THIS PROJECT WITH APS AND THE CITY OF WINSLOW.

5.0. CONDUIT AND WIRE:

5.1. WHERE CONDUIT SIZES ARE INDICATED FOR HOMERUNS, THESE SIZES APPLY TO THE ENTIRE LENGTH FROM THE PROTECTIVE DEVICE IN THE PANEL TO THE EQUIPMENT OR LAST WIRING DEVICE.

5.2. CONCEAL ALL CONDUIT UNDERGROUND UNLESS NOTED OTHERWISE ON THE PLANS.

5.3. SCHEDULE 40 PVC CONDUIT SHALL BE USED FOR ALL UNDERGROUND EXTERIOR CONDUIT. ALL BENDS OVER 30 DEGREES SHALL BE MADE WITH WRAPPED INTERMEDIATE METAL CONDUIT. USE LONG SWEEP FITTINGS FOR ALL 90 DEGREE BENDS. ALL PLASTIC CONDUIT, SHALL BE PROVIDED WITH A CODE SIZED EQUIPMENT GROUNDING CONDUCTOR. DO NOT USE PVC IN EXPOSED LOCATIONS.

5.4. ALL BELOW GRADE CONDUIT SHALL BE INSTALLED A MINIMUM OF 24 INCHES BELOW FINISHED GRADE. BELOW GRADE CONDUIT SHALL BE 3 INCH DIAMETER, MINIMUM.

5.5. INSTALL A PULL WIRE IN ALL EMPTY CONDUITS.

5.6. WRAP UNDERGROUND STEEL CONDUIT WITH HALF LAPPED SCOTCH #50 TAPE OR PROVIDE PVC COATED PIPE.

5.7. ALL WIRING WITHIN STREET LIGHTING POLES SHALL BE 90° C RATED, THHN/THWN-2 COPPER, #10 AWG MINIMUM. PROVIDED AN EQUIPMENT GROUND CONDUCTOR WITH ALL WIRING CIRCUITS.

6.0. GROUNDING:

6.1. GROUNDING OF ELECTRICAL SERVICE AND EQUIPMENT SHALL BE PER THE APPLICABLE SECTIONS OF N.E.C. ARTICLE 250, AND AS SHOWN ON THE DRAWINGS.

6.2. PROVIDE AN INSULATED EQUIPMENT GROUNDING CONDUCTORS, IN ACCORDANCE WITH N.E.C. 250-122, IN ALL CONDUITS WITH CONDUCTORS.

7.0. STREET LIGHTING:

7.1. ALL STREET LIGHT POLES, MAST ARMS AND CONDUCTORS IN POLES SHALL BE PROVIDED, INSTALLED AND TERMINATED BY THE ELECTRICAL CONTRACTOR.

7.2. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL ALL UNDERGROUND CONDUITS FOR THIS PROJECT. COORDINATE ALL REQUIREMENTS WITH APS. SEE PLANS FOR PROPOSED ROUTING AND ADDITIONAL INFORMATION. PROVIDE ALL CONDUITS WITH PULL TAPE.

7.3. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL ALL STREET LIGHT JUNCTION BOXES. JUNCTION BOXES SHALL BE PER APS STANDARDS. JUNCTION BOXES PROVIDED BY APS.

7.4. ALL STREET LIGHTING TRANSFORMERS AND CONDUCTORS SHALL BE PROVIDED AND INSTALLED BY ARIZONA PUBLIC SERVICE. COORDINATE ALL REQUIREMENTS WITH APS.

7.5. COORDINATE CONNECTION AND ENERGIZING OF STREET LIGHTS WITH APS.

7.6. ALL ELECTRICAL EQUIPMENT INSTALLED OUTDOORS SHALL BE WEATHERPROOF, NEMA 3R.

UTILITY COMPANY CUSTOMER REPRESENTATIVE

COMPANY NAME
ARIZONA PUBLIC SERVICE

NAME
RAELENE STANTON

TELEPHONE NUMBER
(928) 773 - 6312

SITE UTILITIES NOTE:
THE ELECTRICAL CONTRACTOR SHALL COORDINATE ELECTRICAL SERVICE WITH UTILITY COMPANY. ROUTING OF INCOMING SERVICES SHOWN ON THE DRAWING ARE FOR BIDDING PURPOSES AND MAY VARY FROM ACTUAL REQUIREMENTS. THE CONTRACTOR SHALL COMPLY WITH UTILITY COMPANY REQUIREMENTS, WITHOUT ADDITIONAL CHARGES TO THE OWNER.

ELECTRICAL ABBREVIATIONS AND LEGEND:

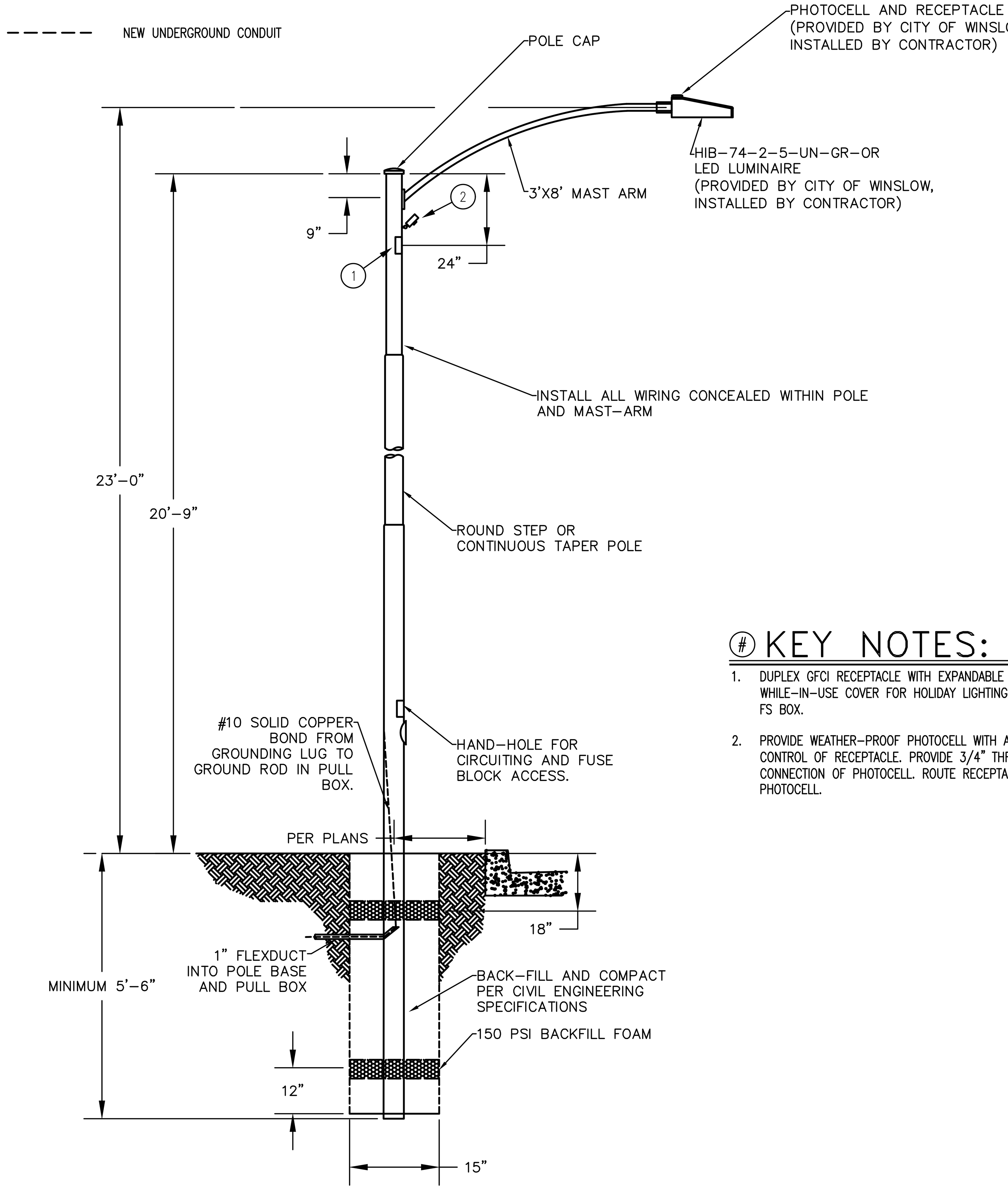
NOTE: NOT ALL SYMBOLS MAY BE USED ON THIS PROJECT. ALL MOUNTING HEIGHTS TO CENTER OF BOX, UNO. ALL DEVICES SHALL COMPLY WITH ADA REQUIREMENTS, WHERE APPLICABLE.

ABBREVIATIONS:

A	AMPERES
AC	ALTERNATING CURRENT
AF	AMPERES FRAME (RATING)
AFC	AVAILABLE FAULT CURRENT
AFG	ABOVE FINISHED GRADE
AFF	ABOVE FINISHED FLOOR
AIC	AMPERES INTERRUPTING CAPACITY
AL	ALUMINUM
AT	AMPERES TRIP (SETTING)
AUX	AUXILIARY
BRKR	BREAKER
C	CONDUIT
CB	CIRCUIT BREAKER
CKT	CIRCUIT
COMB	COMBINATION
COMM	COMMUNICATIONS
CP	CONTROL PANEL
CPT	CONTROL POWER TRANSFORMER
CT	CURRENT TRANSFORMER
CU	COPPER
DC	DIRECT CURRENT
DISC	DISCONNECT
DP	POWER DISTRIBUTION PANEL
DWG	DRAWING
EC	ELECTRICAL CONTRACTOR
EG	EQUIPMENT GROUND
ELEC	ELECTRICAL - ELECTRIC
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
EO	ELECTRICALLY OPERATED
F	FUSE
FDR	FEEDER
FLA	FULL LOAD AMPERES
FLEX	FLEXIBLE
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GND	GROUND
HID	HIGH INTENSITY DISCHARGE
HP	HORSE POWER
HOA	HAND-OFF-AUTO
JB	JUNCTION BOX
KV	KILOVOLTS
KVA	KILOVOLTS-AMPERES
KW	KILOWATTS
LTG	LIGHTING
MBJ	MAIN BONDING JUMPER
MCA	MINIMUM CIRCUIT AMPACITY
MH	MANHOLE
MISC	MISCELLANEOUS
MTD	MOUNTED
MTG	MOUNTING
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEU	NEUTRAL
NF	NON-FUSED
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OL'S	OVERLOADS
P	POLE
PA	PUBLIC ADDRESS
PB	PUSH BUTTON
PH	PHASE
PNL	PANEL
PT	POTENTIAL TRANSFORMER
PWR	POWER
RECP	RECEPTACLE
RLA	RUNNING LOAD AMPERES
RSC	RIGID STEEL CONDUIT
RTU	ROOF TOP UNIT
SCHED	SCHEDULE
SES	SERVICE ENTRANCE SECTION
SS	SPECIAL SYSTEMS
SWBD	SWITCHBOARD
TMB	TELEPHONE MOUNTING BOARD
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
V	VOLTS
VP	VANDAL PROOF
W	WIRE
WG	WIRE GUARD
WH	WATER HEATER
WP	WEATHER PROOF (WHILE IN USE)

STREET LIGHTING LEGEND:

- NEW STREET LIGHT PROVIDED AND INSTALLED BY CONTRACTOR
- EXISTING STREET LIGHT TO REMAIN
- EXISTING POWER POLE
- EXISTING STREET LIGHT TO BE REMOVED
- NEW UNDERGROUND CONDUIT



WINSLOW STANDARD DETAIL

STREET LIGHTING POLE AND JUNCTION BOX

NTS

ⓘ KEY NOTES:

1. DUPLEX GFCI RECEPTACLE WITH EXPANDABLE WEATHER-PROOF WHILE-IN-USE COVER FOR HOLIDAY LIGHTING. PROVIDE POLE WITH 2"X4" FS BOX.
2. PROVIDE WEATHER-PROOF PHOTOCELL WITH ADJUSTABLE ARM MOUNT FOR CONTROL OF RECEPTACLE. PROVIDE 3/4" THREADED HUB IN POLE FOR CONNECTION OF PHOTOCELL. ROUTE RECEPTACLE CIRCUITING THROUGH PHOTOCELL.

GENERAL NOTES:

A. SEE RESPONSIBILITY MATRIX, SHEET 38, FOR ADDITIONAL REQUIREMENTS.
B. STREET LIGHTING POLES SHALL BE 26'-3", 5'-6" BURIAL DEPTH WITH 3'X8' MAST ARM. LUMINAIRE MOUNTING HEIGHT = 23'-0".
C. INSTALL FILTERED LED LUMINAIRES WITH INTEGRAL DUSK-TO-DAWN PHOTOCELL AS NOTED ON THE PLANS. (LUMINAIRE BY CITY OF WINSLOW)
D. PROVIDE AND INSTALL MINIMUM #10 AWG CONDUCTORS FROM LUMINAIRE, THROUGH POLE, TO IN-GRADE JUNCTION BOX. INSTALL FUSE-HOLDER AND 15-AMP FUSE FOR EACH POLE. PROVIDE #10 AWG CONDUCTORS FROM LUMINAIRE OR FUSE BLOCK TO HOLIDAY LIGHTING RECEPTACE AND CONTROL VIA SEPARATE POLE MOUNTED PHOTOCELL. (2#10, 1#10 GROUND TO LUMINAIRE AND 2#10, 1#10 GROUND TO HOLIDAY LIGHTING RECEPTACLE).
E. PROVIDE AND INSTALL GROUND ROD AND MINIMUM #10 AWG COPPER GROUND WIRE TO GROUND LUG ON POLE.

A guide to getting underground facilities located before you dig
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Proj # 014279.00	NAME	DATE
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CHECKED	JDD	03/16

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323 N. LEROUX STREET, SUITE 201, FLAGSTAFF, AZ 86001
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CITY OF WINSLOW
21 WILLIAMSON AVE
WINSLOW, AZ 86047

ELECTRICAL SHEET & DETAIL

ROUTE: SR 66
LOCATION: 2ND ST AND 3RD ST: PRAIRIE AVE - SNIDER AVE

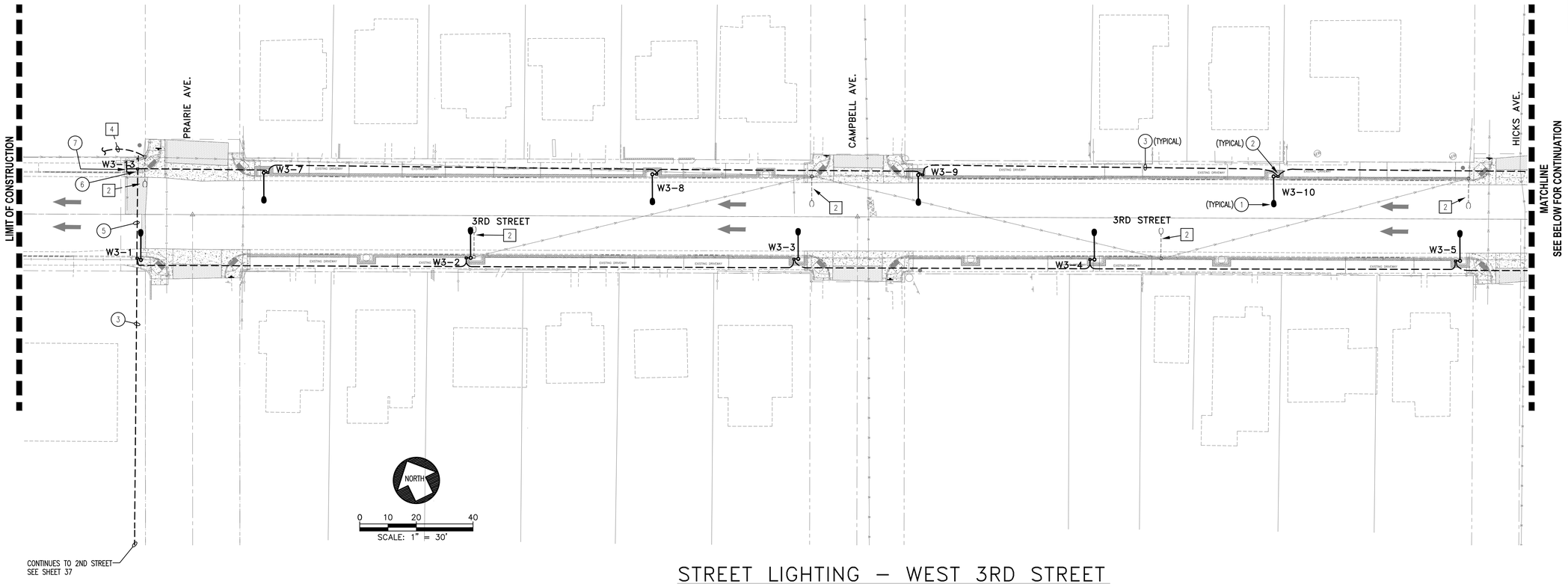
Registered Professional Engineer (Electrical) — CERTIFICATE NO. 30963 JOEL D. DeHAVEN — Date Signed 3-29-16 — ARIZONA, U.S.A.
EXPIRES 3/31/2018

TRACS NO. WIN SL705 01C | WIN-0(202)T | SHEET ___ OF ___

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

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	WIN-0(202)T	36	52	

SL705 01C



STREET LIGHTING – WEST 3RD STREET

GENERAL NOTES:

A. COORDINATE ALL WORK WITH ARIZONA PUBLIC SERVICE AND CITY OF WINSLOW. SEE APS FINAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.

B. VERIFY ALL TRENCHING AND BORING IS WITHIN THE RIGHT-OF-WAY OR DESIGNATED EASEMENTS. COORDINATE ALL TRENCHING AND BORING ROUTING WITH APS AND THE CITY OF WINSLOW BEFORE THE START OF WORK.

C. VERIFY AND AVOID ALL EXISTING UNDERGROUND UTILITY CONFLICTS WITH NEW CONDUIT ROUTING. MAINTAIN ALL REQUIRED CLEARANCES FROM EXISTING WATER, GAS, SEWER, ELECTRIC, TELEPHONE, CABLE TV, ETC.

D. CONFIRM ALL JUNCTION BOX LOCATIONS WITH CITY ENGINEER PRIOR TO PLACEMENT.

KEY NOTES:

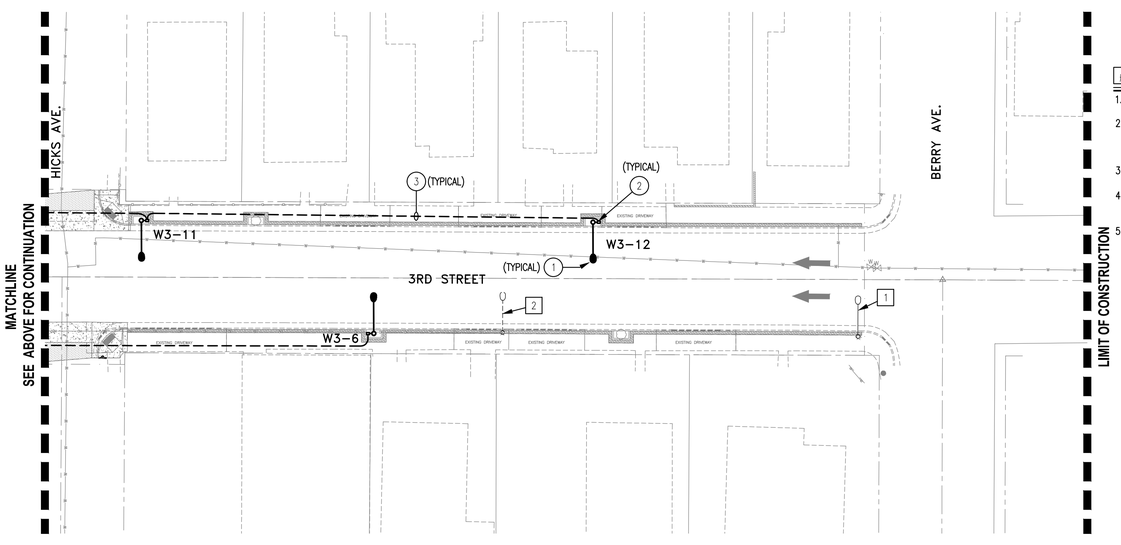
1. NEW 120V, 2X46W FILTERED LED (7,026 LUMENS) STREET LIGHT FIXTURE. C&W ENERGY SOLUTIONS HIB-74-2-5 WITH 'OR' FILTERS. MOUNT TO NEW DIRECT BURIED 26'-3" STREET LIGHT POLE WITH 3' X 8' MAST ARM. 5'-6" BURIAL DEPTH. SEE POLE DETAIL, SHEET 42. STREET LIGHTING FIXTURES PROVIDED BY CITY AND INSTALLED BY CONTRACTOR. POLES PROVIDED AND INSTALLED BY CONTRACTOR.
2. NEW APS STANDARD STREET LIGHTING JUNCTION BOX WITH GROUND ROD, MOUNTED WITHIN 3 FT OF POLE. PROVIDE 1" CONDUIT FROM JUNCTION BOX TO POLE AT MINIMUM 24" BELOW GRADE.
3. NEW 3" CONDUIT WITH PULL WIRE AT MINIMUM 24" BELOW GRADE BETWEEN STREET LIGHT JUNCTION BOXES. COORDINATE CONDUIT ROUTING WITH APS, CITY OF WINSLOW, AND EXISTING UTILITIES. STREET LIGHT WIRING PROVIDED AND INSTALLED BY APS.
4. NEW APS STANDARD STREET LIGHTING JUNCTION BOX WITH GROUND ROD FOR CONNECTION TO APS POWER SOURCE. PROVIDE 3" CONDUIT FROM JUNCTION BOX TO SOURCE AS DIRECTED BY APS. COORDINATE TERMINATION WITH APS.
5. NEW (2) 3" CONDUITS ACROSS ROAD IN JOINT TRENCH WITH IRRIGATION.
6. NEW APS STANDARD STREET LIGHTING JUNCTION BOX WITH GROUND ROD FOR CONNECTION OF STREET CROSSING CONDUITS.
7. EXTEND (1) 3" CONDUIT FROM JUNCTION BOX AND CAP FOR FUTURE.

STREET LIGHTING CIRCUIT – LOAD SUMMARY
SOURCE 3 – WEST

Pole / J-box Location	Segment Length	Fixture VA	Fixture Amps (120V)
SEGMENT 1			
Source to Main JB WM1	80		
Main JB WM1 to WM2	70		
Main JB WM2 to WM3	155		
W2-1	80	150	1.25
W2-2	180	150	1.25
W2-3	190	150	1.25
W2-4	200	150	1.25
W2-5	170	150	1.25
W2-6	215	150	1.25
Segment Totals	1340	900	7.5
Maximum Calculated Voltage Drop		3.80%	
SEGMENT 2			
Source to Main JB WM1	80		
Main JB WM1 to WM2	70		
Main JB WM2 to WM3	155		
Main JB WM3 to WM4	165		
W2-7	30	150	1.25
Segment Totals	500	150	1.25
Maximum Calculated Voltage Drop		3.15%	
SEGMENT 3			
Source to Main JB WM1	80		
Main JB WM1 to WM2	70		
Main JB WM2 to WM3	155		
Main JB WM3 to WM4	165		
Main JB WM4 to WM5	45		
W2-8	85	150	1.25
W2-9	240	150	1.25
W2-10	200	150	1.25
W2-11	160	150	1.25
W2-12	215	150	1.25
W2-13	165	150	1.25
Segment Totals	1580	900	7.5
Maximum Calculated Voltage Drop		4.79%	
SEGMENT 4			
Source to Main JB WM1	80		
Main JB WM1 to WM2	70		
Main JB WM2 to WM3	155		
Main JB WM3 to WM4	165		
Main JB WM4 to WM5	45		
W2-14	120	150	1.25
Segment Totals	635	150	1.25
Maximum Calculated Voltage Drop		3.32%	
SEGMENT 5			
Source to Main JB WM1	80		
Main JB WM1 to WM2	70		
W3-1	165	150	1.25
W3-2	175	150	1.25
W3-3	175	150	1.25
W3-4	160	150	1.25
W3-5	200	150	1.25
W3-6	160	150	1.25
Segment Totals	1185	900	7.5
Maximum Calculated Voltage Drop		3.61%	
SEGMENT 6			
Source to Main JB WM1	80		
Main JB WM1 to WM2	70		
Main JB WM2 to W3-1	165		
W3-7	125	150	1.25
W3-8	215	150	1.25
W3-9	150	150	1.25
W3-10	200	150	1.25
W3-11	165	150	1.25
W3-12	180	150	1.25
Segment Totals	1350	900	7.5
Maximum Calculated Voltage Drop		4.00%	

TOTAL SOURCE LOAD	3900	VA
	32.50	AMPS AT 120-VOLTS

NOTES:
1. STREET LIGHTING CIRCUIT = 120-VOLTS, #1/0 ALUMINUM WIRE



STREET LIGHTING – WEST 3RD STREET

DEMO KEY NOTES:

1. EXISTING HISTORIC STYLE STREET LIGHT TO REMAIN.
2. COORDINATE WITH APS FOR DEMOLITION OF EXISTING STREET LIGHT, POLE, AND OVERHEAD CIRCUIT. EXISTING LAMP TO BE SALVAGED AND PROVIDED TO THE CITY OF WINSLOW PUBLIC WORKS YARD.
3. EXISTING STREET LIGHT ON TRAFFIC SIGNAL POLE TO REMAIN.
4. OVER-HEAD LINE TO BE DEMO'D TO NEXT ACTIVE POLE. COORDINATE WITH APS.
5. NEW APS POLE REQUIRED TO EXTEND EXISTING ACTIVE CIRCUIT TO REMAINING POLES. COORDINATE WITH APS.

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TAYLOR RYMAR CORPORATION
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Suite 217
Phone: 520 882-0000
Fax: 520 882-0001 www.trc-inc.com
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CITY OF WINSLOW
21 WILLIAMSON AVE
WINSLOW, AZ 86047

ELECTRICAL SHEET

Registered Professional Engineer (Electrical) CERTIFICATE NO. 30963 JOEL D. DeHAVEN Date Signed 3-31-16 ARIZONA, U.S.A.
EXPIRES 3/31/2018

ROUTE	LOCATION
SR 66	2ND ST AND 3RD ST: PRAIRIE AVE – SNIDER AVE

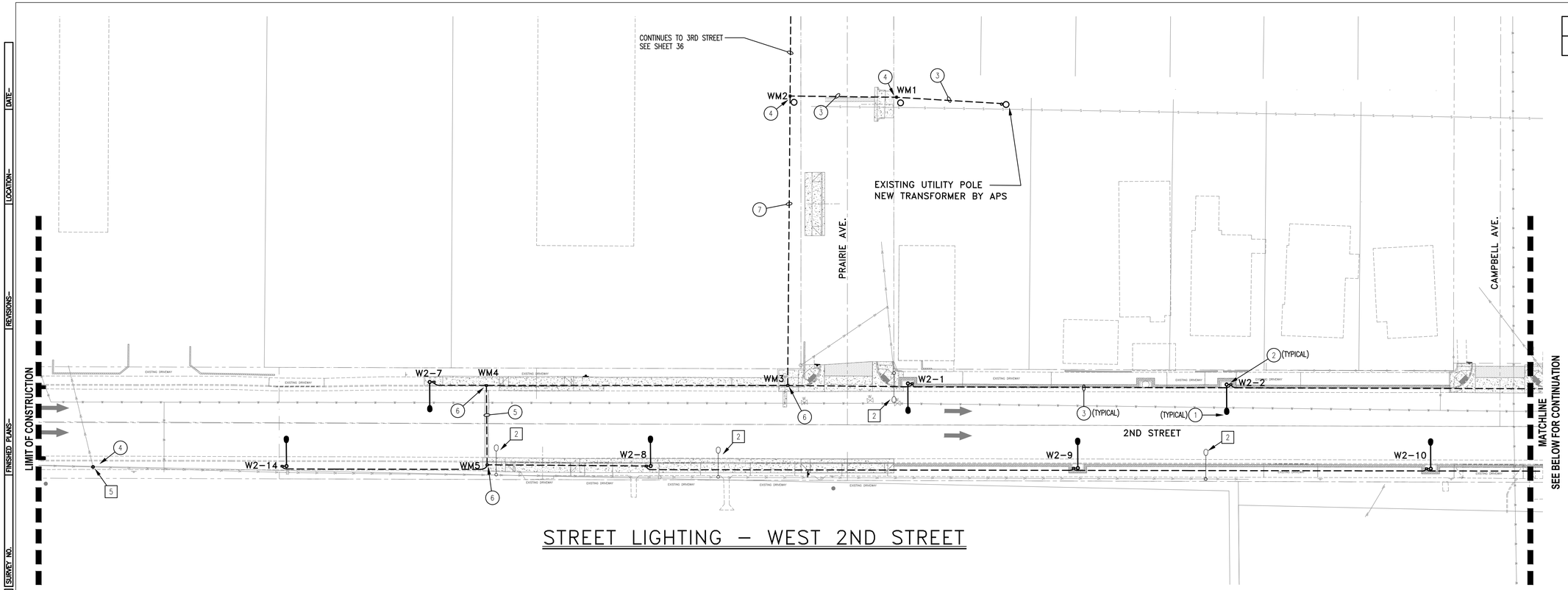
SHEET ___ OF ___

TRACS NO. WIN SL705 01C | WIN-0(202)T

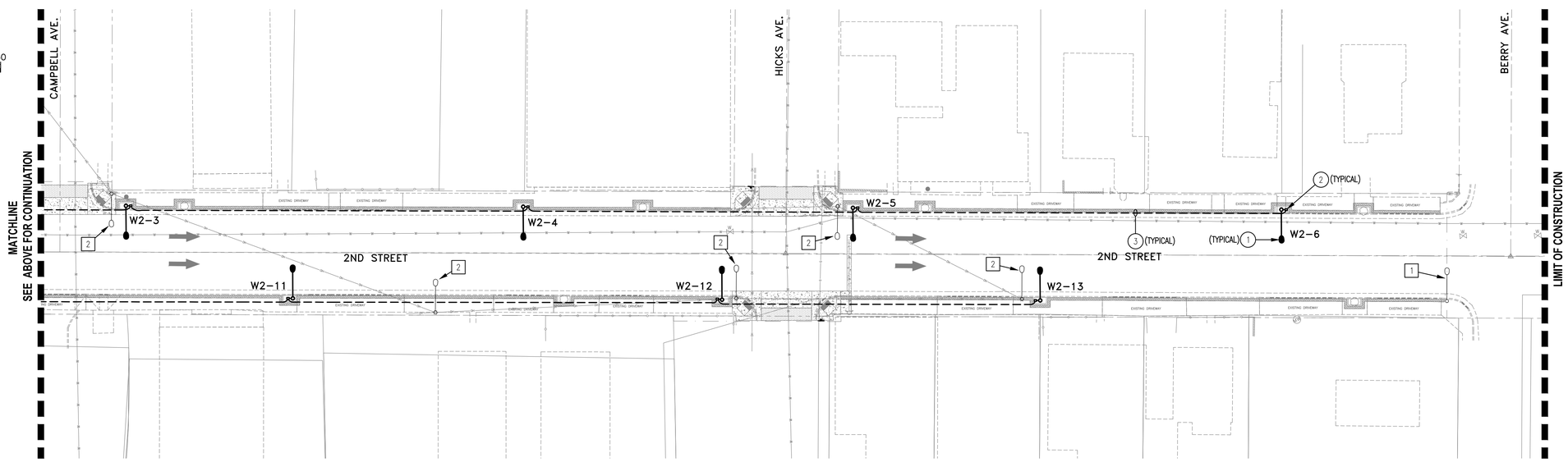
SURVEY NO. | FINISHED PLANS | REVISIONS | LOCATION | DATE

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	WIN-0(202)T	37	52	

SL705 01C



STREET LIGHTING – WEST 2ND STREET



STREET LIGHTING – WEST 2ND STREET

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5. NEW (2) 3" CONDUITS ACROSS ROAD.
6. NEW APS STANDARD STREET LIGHTING JUNCTION BOX WITH GROUND ROD FOR CONNECTION OF STREET CROSSING CONDUITS.
7. RUN NEW 3" CONDUIT AT A MINIMUM 24" BELOW GRADE, WITHIN DIRT PARKWAY, BETWEEN BACK OF CURB AND FRONT EDGE OF SIDEWALK.

DEMO KEY NOTES:

1. EXISTING HISTORIC STYLE STREET LIGHT TO REMAIN.
2. COORDINATE WITH APS FOR DEMOLITION OF EXISTING STREET LIGHT, POLE, AND OVERHEAD CIRCUIT. EXISTING LAMP TO BE SALVAGED AND PROVIDED TO THE CITY OF WINSLOW PUBLIC WORKS YARD.
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5. NEW APS POLE REQUIRED TO EXTEND EXISTING ACTIVE CIRCUIT TO REMAINING POLES. COORDINATE WITH APS.

NORTH

0 10 20 40

SCALE: 1" = 30'

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TAYLOR RYMAR CORPORATION
323 N. Lamar Street
Austin, TX 78703
Tel: 512-472-8001
Fax: 512-472-8002 - Construction
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CITY OF WINSLOW
21 WILLIAMSON AVE
WINSLOW, AZ 86047

ELECTRICAL SHEET

ROUTE: SR 66

LOCATION: 2ND ST AND 3RD ST: PRAIRIE AVE – SNIDER AVE

TRACS NO. WIN SL705 01C

WIN-0(202)T

Registered Professional Engineer (Electrical) CERTIFICATE NO. 30963 JOEL D. DeHAVEN Date Signed 3-29-16 ARIZONA, U.S.A.

EXPIRES 3/31/2018

SHEET ___ OF ___

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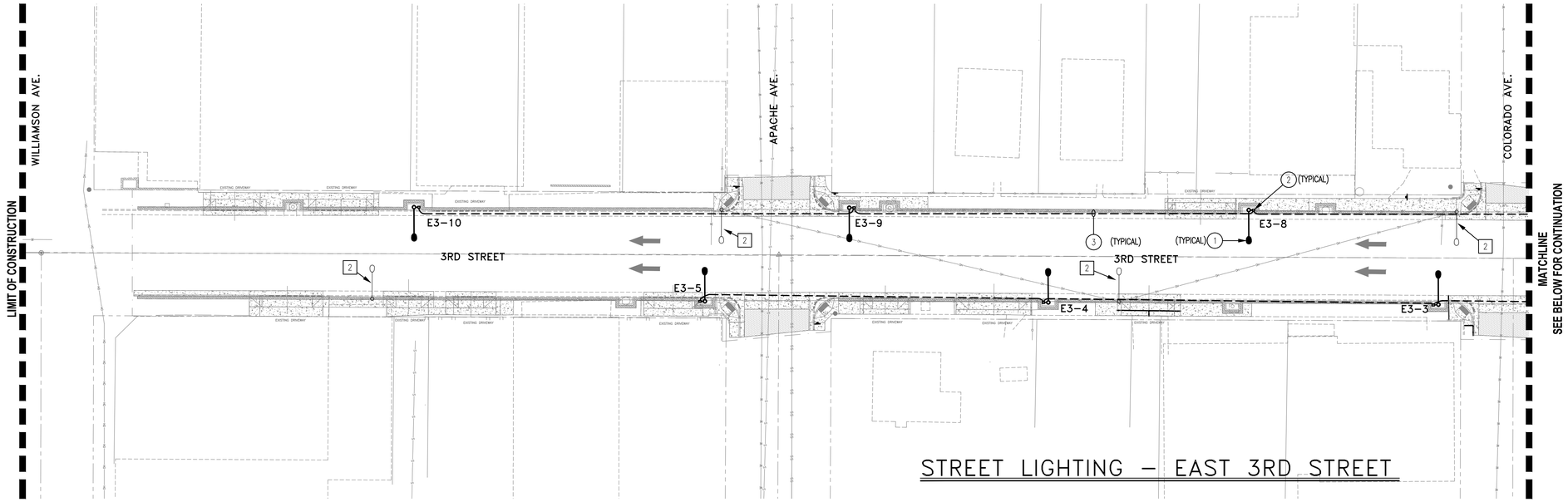
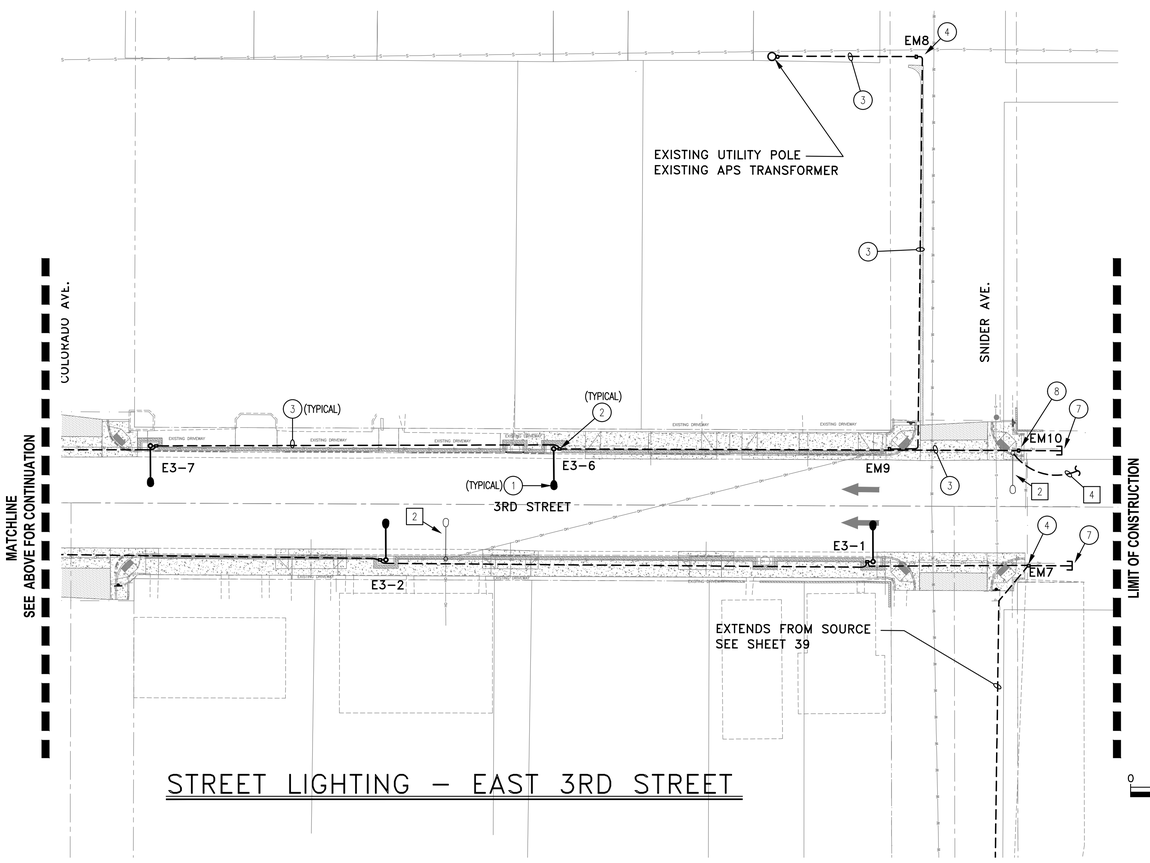
SL705 01C



STREET LIGHTING – EAST 3RD STREET



STREET LIGHTING – EAST 3RD STREET

0 10 20 40
SCALE: 1" = 30'

NORTH

STREET LIGHTING CIRCUIT – LOAD SUMMARY
SOURCE 2 – EAST

Pole / J-box Location	Segment Length	Fixture VA	Fixture Amps (120V)
SEGMENT 1			
Source to Main JB EM8	75		
Main JB EM8 to EM9	170		
E3-6	130	150	1.25
E3-7	170	150	1.25
E3-8	170	150	1.25
E3-9	200	150	1.25
E3-10	215	150	1.25
Segment Totals	1130	750	6.25
Maximum Calculated Voltage Drop		1.57%	

TOTAL SOURCE LOAD 750 VA
6.25 AMPS AT 120-VOLTS

NOTES:
1. STREET LIGHTING CIRCUIT = 120-VOLTS, #1/0 ALUMINUM WIRE

STREET LIGHTING RESPONSIBILITY MATRIX

ITEM	CONTRACTOR	APS	CITY
DE-ENERGIZE EXISTING OVER-HEAD STREET LIGHT CIRCUITING		X	
DEMOLISH EXISTING STREET LIGHTING POLES, LUMINAIRES, AND OVER-HEAD WIRING	X		
RETURN LAMPS TO CITY AND STREET LIGHT WIRING TO APS	X		
RE-ENERGIZE EXISTING POLES TO REMAIN		X	
INSTALL DOWN-GUYS AT END-OF-LINE LOCATIONS			X
PROVIDE AND INSTALL NEW STREET LIGHTING POLES	X		
PROVIDE AND INSTALL POLE MOUNTED GFCI RECEPTACLES AND ASSOCIATED PHOTOCELLS	X		
PROVIDE NEW LED STREET LIGHT FIXTURES AND ASSOCIATED PHOTOCELLS			X
INSTALL NEW LED STREET LIGHT FIXTURES AND PHOTOCELLS	X		
PROVIDE APS STANDARD JUNCTION BOXES AND 3 FT LONG, 1" FLEXIBLE CONDUIT		X	
INSTALL APS STANDARD JUNCTION BOXES AND 1" FLEXIBLE CONDUIT TO POLE	X		
PROVIDE AND INSTALL GROUND ROD AT JUNCTION BOXES.	X		
PROVIDE AND INSTALL 3" CONDUIT BETWEEN JUNCTION BOXES WITH PULL TAPE PER APS STANDARDS	X		
PROVIDE AND INSTALL #1/0 STREET LIGHT WIRING BETWEEN JUNCTION BOXES		X	
TERMINATE POLE WIRING IN JUNCTION BOXES	X		
ENERGIZE STREET LIGHTING CIRCUIT AND PROVIDE REQUIRED OVER-CURRENT PROTECTION		X	
INSTALL FUSES AND ENERGIZE LIGHTS	X		

GENERAL NOTES:

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KEY NOTES:

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5. NEW (2) 3" CONDUITS ACROSS ROAD.
6. NEW APS STANDARD STREET LIGHTING JUNCTION BOX WITH GROUND ROD FOR CONNECTION OF STREET CROSSING CONDUITS.
7. STUB OUT (1) 3" CONDUIT FROM JUNCTION BOX AND CAP FOR FUTURE.
8. NEW APS STANDARD STREET LIGHTING JUNCTION BOX WITH GROUND ROD FOR FUTURE EXTENSION.

DEMO KEY NOTES:

1. EXISTING HISTORIC STYLE STREET LIGHT TO REMAIN.
2. COORDINATE WITH APS FOR DEMOLITION OF EXISTING STREET LIGHT, POLE, AND OVERHEAD CIRCUIT. EXISTING LAMP TO BE SALVAGED AND PROVIDED TO THE CITY OF WINSLOW PUBLIC WORKS YARD.
3. EXISTING STREET LIGHT ON TRAFFIC SIGNAL POLE TO REMAIN.
4. OVER-HEAD LINE TO BE DEMO'D TO NEXT ACTIVE POLE. COORDINATE WITH APS.
5. NEW APS POLE REQUIRED TO EXTEND EXISTING ACTIVE CIRCUIT TO REMAINING POLES. COORDINATE WITH APS.

0 10 20 40
SCALE: 1" = 30'

NORTH

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TAYLOR RYMAR CORPORATION
333 N. Arizona Street
Chandler, AZ 85225
Phone: (480) 963-8000
Fax: (480) 963-8001
Email: info@taylorrymar.com
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CITY OF WINSLOW
21 WILLIAMSON AVE
WINSLOW, AZ 86047

ELECTRICAL SHEET

Joel D. DeHaven
Registered Professional Engineer (Electrical)
CERTIFICATE NO. 30963
JOEL D. DeHAVEN
Date Signed 3-29-16
ARIZONA, U.S.A.
EXPIRES 3/31/2018

ROUTE	LOCATION
SR 66	2ND ST AND 3RD ST: PRAIRIE AVE – SNIDER AVE

SHEET ___ OF ___

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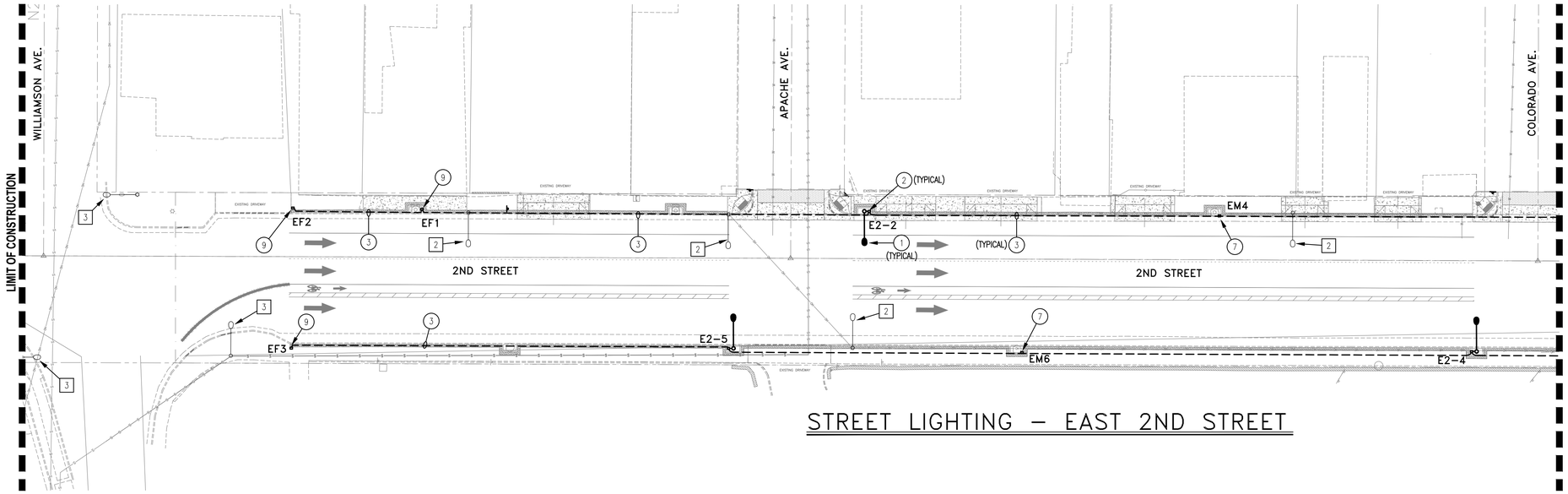
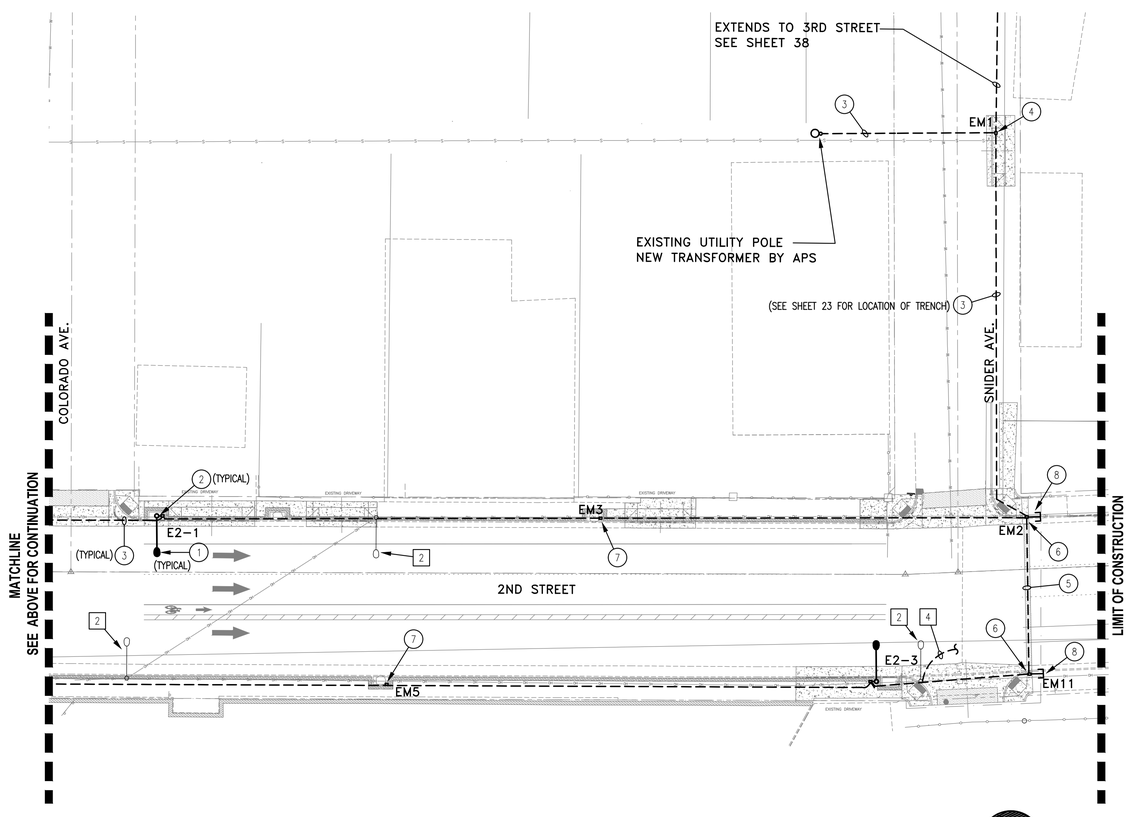


STREET LIGHTING – EAST 2ND STREET



STREET LIGHTING – EAST 2ND STREET

NORTH

0 10 20 40

SCALE: 1" = 30'

STREET LIGHTING CIRCUIT – LOAD SUMMARY
SOURCE 1 – EAST

Pole / J-box Location	Segment Length	Fixture VA	Fixture Amps (120V)
SEGMENT 1			
Source to Main JB EM1	90		
Main JB EM1 to EM2	160		
E2-1	350	150	1.25
E2-2	350	150	1.25
Segment Totals	950	300	2.5
Maximum Calculated Voltage Drop		1.17%	
SEGMENT 2			
Source to Main JB EM1	90		
Main JB EM1 to EM2	160		
E2-3	130	150	1.25
E2-4	360	150	1.25
E2-5	360	150	1.25
Segment Totals	1100	450	3.75
Maximum Calculated Voltage Drop		1.35%	
SEGMENT 3			
Source to Main JB EM1	90		
Main JB EM1 to EM7	170		
E3-1	75	150	1.25
E3-2	205	150	1.25
E3-3	170	150	1.25
E3-4	200	150	1.25
E3-5	175	150	1.25
Segment Totals	1085	750	6.25
Maximum Calculated Voltage Drop		1.67%	

TOTAL SOURCE LOAD	1500	VA
	12.50	AMPS AT 120-VOLTS

NOTES:
1. STREET LIGHTING CIRCUIT = 120-VOLTS, #1/0 ALUMINUM WIRE

GENERAL NOTES:

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C. VERIFY AND AVOID ALL EXISTING UNDERGROUND UTILITY CONFLICTS WITH NEW CONDUIT ROUTING. MAINTAIN ALL REQUIRED CLEARANCES FROM EXISTING WATER, GAS, SEWER, ELECTRIC, TELEPHONE, CABLE TV, ETC.

KEY NOTES:

1. NEW 120V, 2X46W FILTERED LED (7,026 LUMENS) STREET LIGHT FIXTURE. C&W ENERGY SOLUTIONS HIB-74-2-5 WITH 'OR' FILTERS. MOUNT TO NEW DIRECT BURIED 26'-3" STREET LIGHT POLE WITH 3' X 8' MAST ARM. 5'-6" BURIAL DEPTH. SEE POLE DETAIL, SHEET 42. STREET LIGHTING FIXTURES PROVIDED BY CITY AND INSTALLED BY CONTRACTOR. POLES PROVIDED AND INSTALLED BY CONTRACTOR.
2. NEW APS STANDARD STREET LIGHTING JUNCTION BOX WITH GROUND ROD, MOUNTED WITHIN 3 FT OF POLE. PROVIDE 1" CONDUIT FROM JUNCTION BOX TO POLE AT MINIMUM 24" BELOW GRADE.
3. NEW 3" CONDUIT WITH PULL WIRE AT MINIMUM 24" BELOW GRADE BETWEEN STREET LIGHT JUNCTION BOXES. COORDINATE CONDUIT ROUTING WITH APS, CITY OF WINSLOW, AND EXISTING UTILITIES. STREET LIGHT WIRING PROVIDED AND INSTALLED BY APS.
4. NEW APS STANDARD STREET LIGHTING JUNCTION BOX WITH GROUND ROD FOR CONNECTION TO APS POWER SOURCE. PROVIDE 3" CONDUIT FROM JUNCTION BOX TO SOURCE AS DIRECTED BY APS. COORDINATE TERMINATION WITH APS.
5. NEW (2) 3" CONDUITS ACROSS ROAD.
6. NEW APS STANDARD STREET LIGHTING JUNCTION BOX WITH GROUND ROD FOR CONNECTION OF STREET CROSSING CONDUITS.
7. NEW APS STANDARD STREET LIGHTING JUNCTION BOX WITH GROUND ROD. INTERMEDIATE PULL BOX LOCATION. COORDINATE FINAL LOCATION WITH APS AND CITY OF WINSLOW PRIOR TO INSTALLATION.
8. STUB (1) 3" CONDUIT OUT OF JUNCTION BOX AND CAP FOR FUTURE.
9. NEW APS STANDARD STREET LIGHTING JUNCTION BOX WITH GROUND ROD.FOR FUTURE EXTENSION.

DEMO KEY NOTES:

1. EXISTING HISTORIC STYLE STREET LIGHT TO REMAIN.
2. COORDINATE WITH APS FOR DEMOLITION OF EXISTING STREET LIGHT, POLE, AND OVERHEAD CIRCUIT. EXISTING LAMP TO BE SALVAGED AND PROVIDED TO THE CITY OF WINSLOW PUBLIC WORKS YARD.
3. EXISTING STREET LIGHT ON TRAFFIC SIGNAL POLE TO REMAIN.
4. OVER-HEAD LINE TO BE DEMO'D TO NEXT ACTIVE POLE. COORDINATE WITH APS.
5. NEW APS POLE REQUIRED TO EXTEND EXISTING ACTIVE CIRCUIT TO REMAINING POLES. COORDINATE WITH APS.

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Proj # 014279.00	NAME	DATE
DESIGN	CRL/JDD	03/16
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TAYLOR RYMAR CORPORATION
323 S. Lincoln Street
Lake Havasu City
AZ 86403
Phone: 928 855-1211
Fax: 928 855-1212
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CITY OF WINSLOW
21 WILLIAMSON AVE
WINSLOW, AZ 86047

ELECTRICAL SHEET

Registered Professional Engineer (Electrical) CERTIFICATE NO. 30963 JOEL D. DeHAVEN Date Signed 3-29-16 ARIZONA, U.S.A.

EXPIRES 3/31/2018

ROUTE	LOCATION
SR 66	2ND ST AND 3RD ST: PRAIRIE AVE – SNIDER AVE

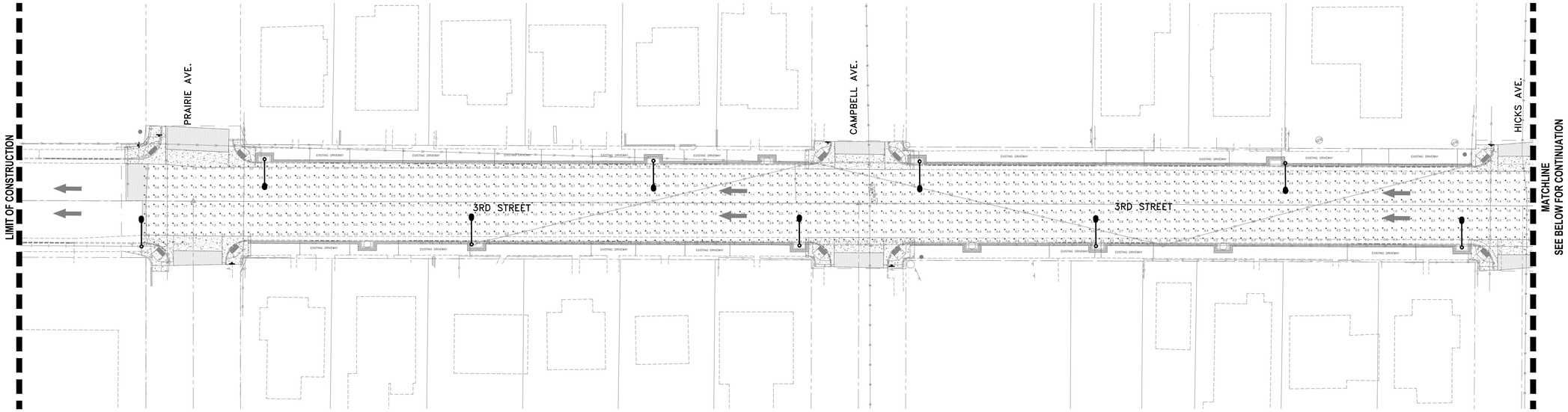
SHEET ___ OF ___

TRACS NO. WIN SL705 01C | WIN-0(202)T

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

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	WIN-0(202)T	40	52	

SL705 01C



PHOTOMETRIC PLAN – WEST 3RD STREET

NORTH

0 10 20 40
SCALE: 1" = 30'

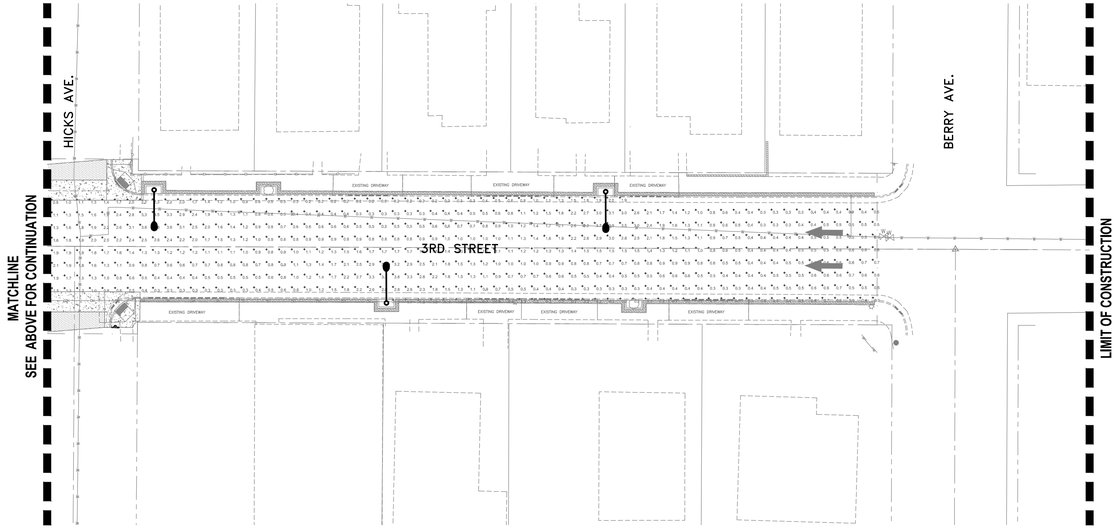
GENERAL NOTES:

A. PHOTOMETRIC CALCULATIONS BASED ON C&W ENERGY MODEL HIB-74-2-5 LED LIGHT MODULE, 2 MODULES PER FIXTURE, 10% LUMEN DE-RATE FOR WARM WHITE LEDS, 5% LUMEN DE-RATE FOR TYPE 'OR' ORANGE "STAR FRIENDLY" LENS, AND 5% DIRT DEPRECIATION.

B. FIXTURE MOUNTING HEIGHT = 23'-0" PER CITY OF WINSLOW REQUIREMENTS.

C. SEE PHOTOMETRIC STATISTICS, THIS SHEET.

Statistics							
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min	Avg/Max
2nd Street Prairie to Berry	+	1.1 fc	3.9 fc	0.1 fc	39.0:1	11.0:1	0.3:1
2nd Street Williamson to Snider	+	0.4 fc	3.8 fc	0.0 fc	N/A	N/A	0.1:1
3rd Street Prairie to Berry	+	1.2 fc	3.9 fc	0.1 fc	39.0:1	12.0:1	0.3:1
3rd Street Williamson to Snider	+	1.1 fc	3.8 fc	0.1 fc	38.0:1	11.0:1	0.3:1



PHOTMETRIC PLAN – WEST 3RD STREET

NORTH

0 10 20 40
SCALE: 1" = 30'

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CHECKED	JDD	03/16

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333 N. Arizona Street
Gilbert, AZ 85233
Ph: 480-892-7000
Fax: 480-892-7001 www.taylorrymar.com
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CITY OF WINSLOW
21 WILLIAMSON AVE
WINSLOW, AZ 86047

PHOTOMETRIC PLAN SHEET

Registered Professional Engineer (Electrical)
CERTIFICATE NO. 30963
JOEL D. DeHAVEN
Date Signed 3-29-16
ARIZONA, U.S.A.
EXPIRES 3/31/2018

ROUTE	LOCATION
SR 66	2ND ST AND 3RD ST: PRAIRIE AVE – SNIDER AVE

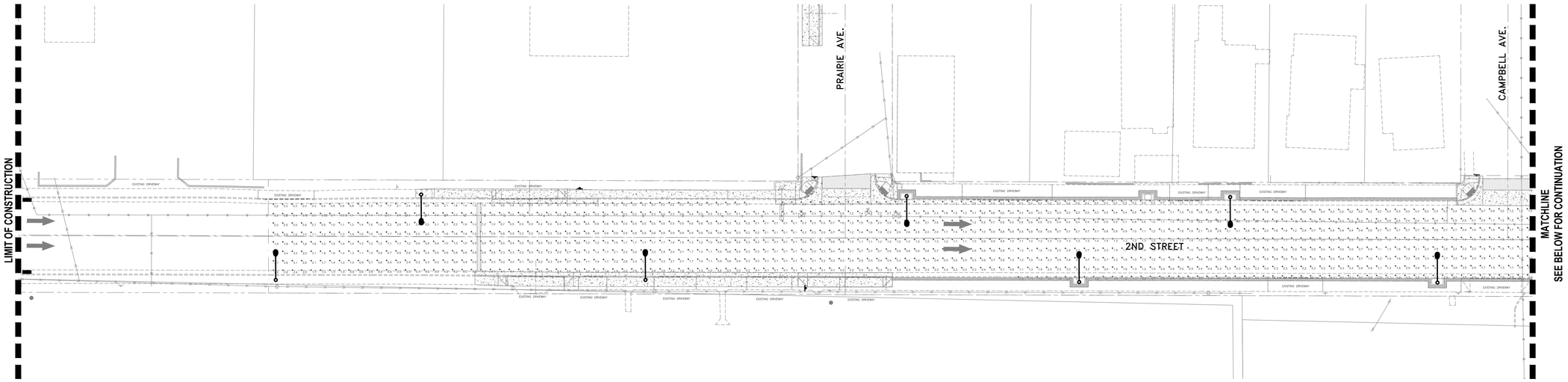
SHEET ___ OF ___

TRACS NO. WIN SL705 01C | WIN-0(202)T

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

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	WIN-0(202)T	41	52	

SL705 01C



PHOTOMETRIC PLAN – WEST 2ND STREET

NORTH

0 10 20 40

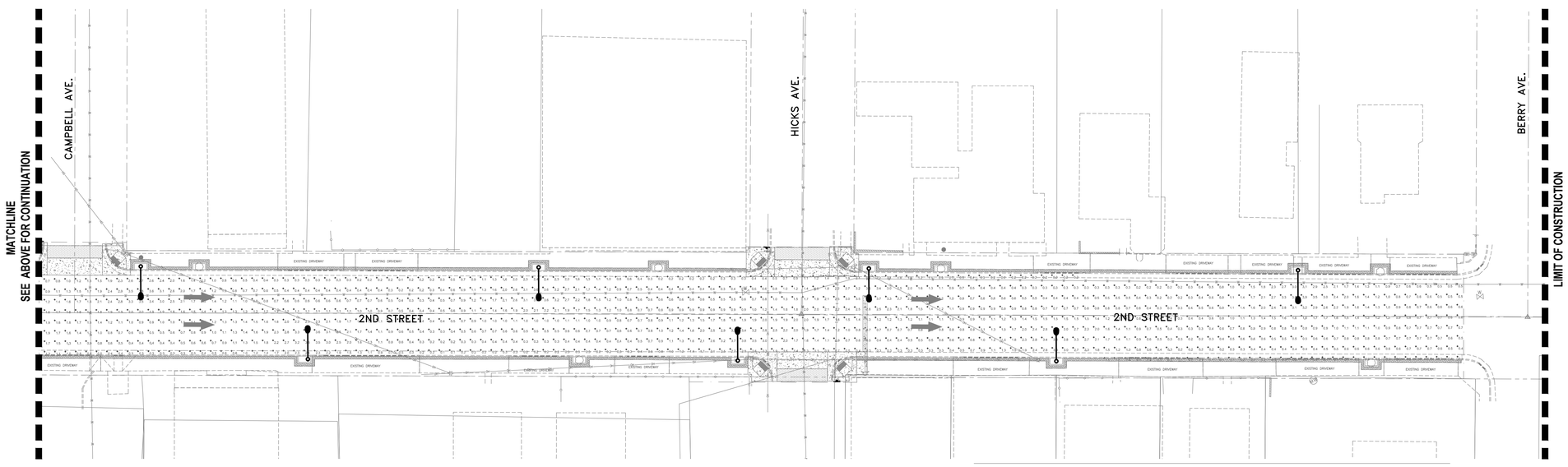
SCALE: 1" = 30'

GENERAL NOTES:

A. PHOTOMETRIC CALCULATIONS BASED ON C&W ENERGY MODEL HIB-74-2-5 LED LIGHT MODULE, 2 MODULES PER FIXTURE, 10% LUMEN DE-RATE FOR WARM WHITE LEDS, 5% LUMEN DE-RATE FOR TYPE 'OR' ORANGE "STAR FRIENDLY" LENS, AND 5% DIRT DEPRECIATION.

B. FIXTURE MOUNTING HEIGHT = 23'-0" PER CITY OF WINSLOW REQUIREMENTS.

C. SEE PHOTOMETRIC STATISTICS, THIS SHEET.



PHOTMETRIC PLAN – WEST 2ND STREET

NORTH

0 10 20 40

SCALE: 1" = 30'

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CHECKED	JDD	03/16

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P.O. Box 2
Flagstaff, AZ 86002
Ph 928-774-8800 Fax 928-774-8889
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CITY OF WINSLOW
21 WILLIAMSON AVE
WINSLOW, AZ 86047

PHOTOMETRIC PLAN SHEET

Registered Professional Engineer (Electrical) CERTIFICATE NO. 30963 JOEL D. DeHAVEN Date Signed 3-23-16 ARIZONA, U.S.A.

EXPIRES 3/31/2018

ROUTE	LOCATION
SR 66	2ND ST AND 3RD ST: PRAIRIE AVE – SNIDER AVE

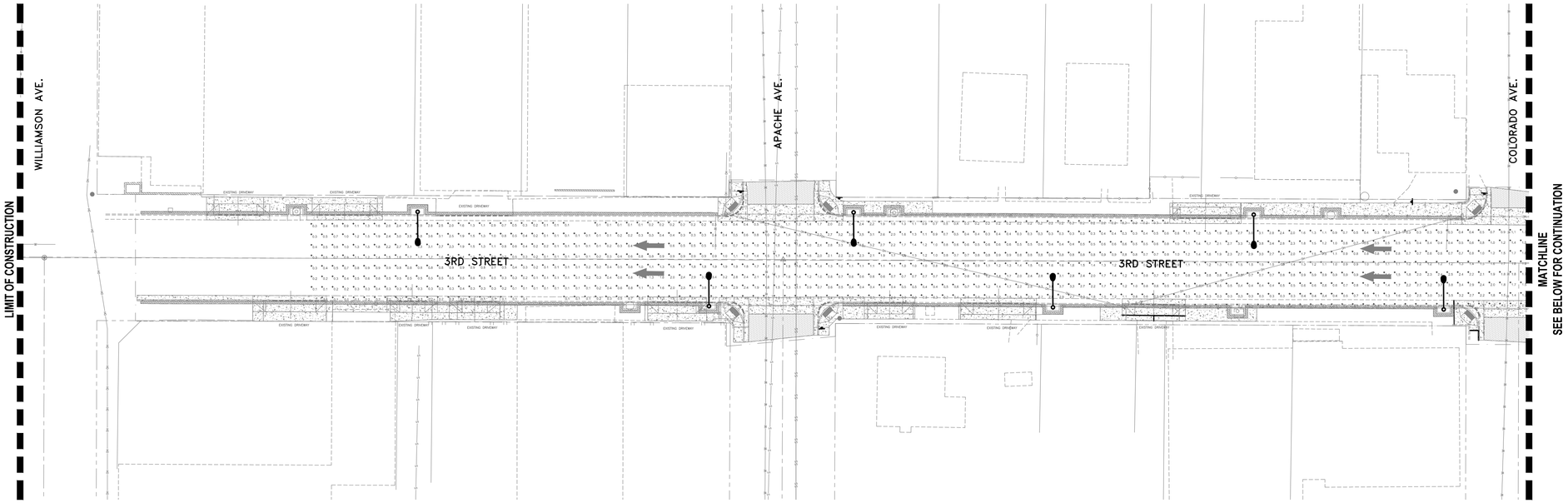
SHEET ___ OF ___

TRACS NO. WIN SL705 01C | WIN-0(202)T

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

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	WIN-0(202)T	42	52	

SL705 01C



PHOTOMETRIC PLAN – EAST 3RD STREET

NORTH

0 10 20 40

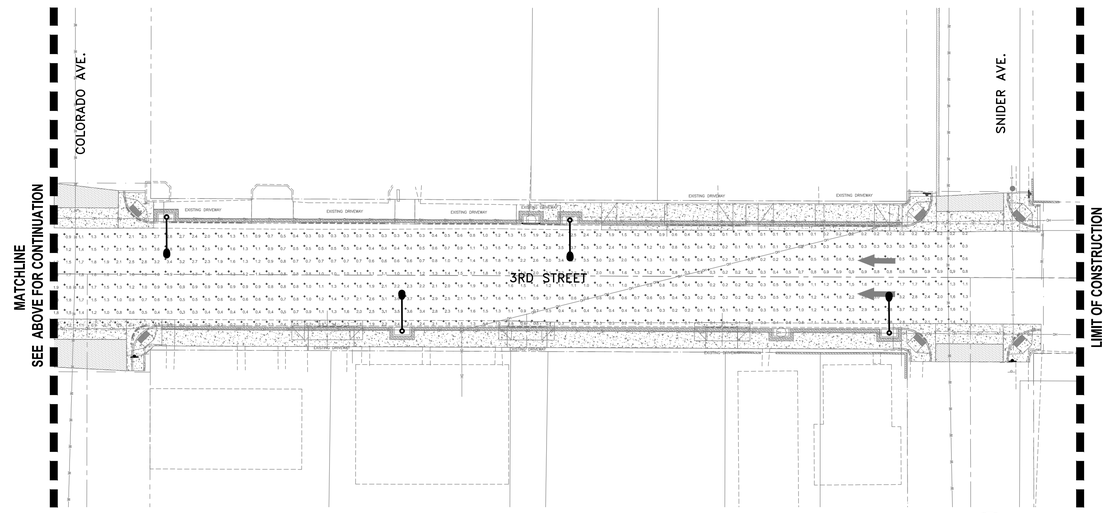
SCALE: 1" = 30'

GENERAL NOTES:

A. PHOTOMETRIC CALCULATIONS BASED ON C&W ENERGY MODEL HIB-74-2-5 LED LIGHT MODULE, 2 MODULES PER FIXTURE, 10% LUMEN DE-RATE FOR WARM WHITE LEDS, 5% LUMEN DE-RATE FOR TYPE 'OR' ORANGE "STAR FRIENDLY" LENS, AND 5% DIRT DEPRECIATION.

B. FIXTURE MOUNTING HEIGHT = 23'-0" PER CITY OF WINSLOW REQUIREMENTS.

C. SEE PHOTOMETRIC STATISTICS, THIS SHEET.



PHOTMETRIC PLAN – EAST 3RD STREET

NORTH

0 10 20 40

SCALE: 1" = 30'

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Austin, TX 78703
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21 WILLIAMSON AVE
WINSLOW, AZ 86047

PHOTOMETRIC PLAN SHEET

Registered Professional Engineer (Electrical) CERTIFICATE NO. 30963 JOEL D. DeHAVEN Date Signed 3-29-16 ARIZONA, U.S.A.

EXPIRES 3/31/2018

ROUTE	LOCATION
SR 66	2ND ST AND 3RD ST: PRAIRIE AVE – SNIDER AVE

SHEET OF

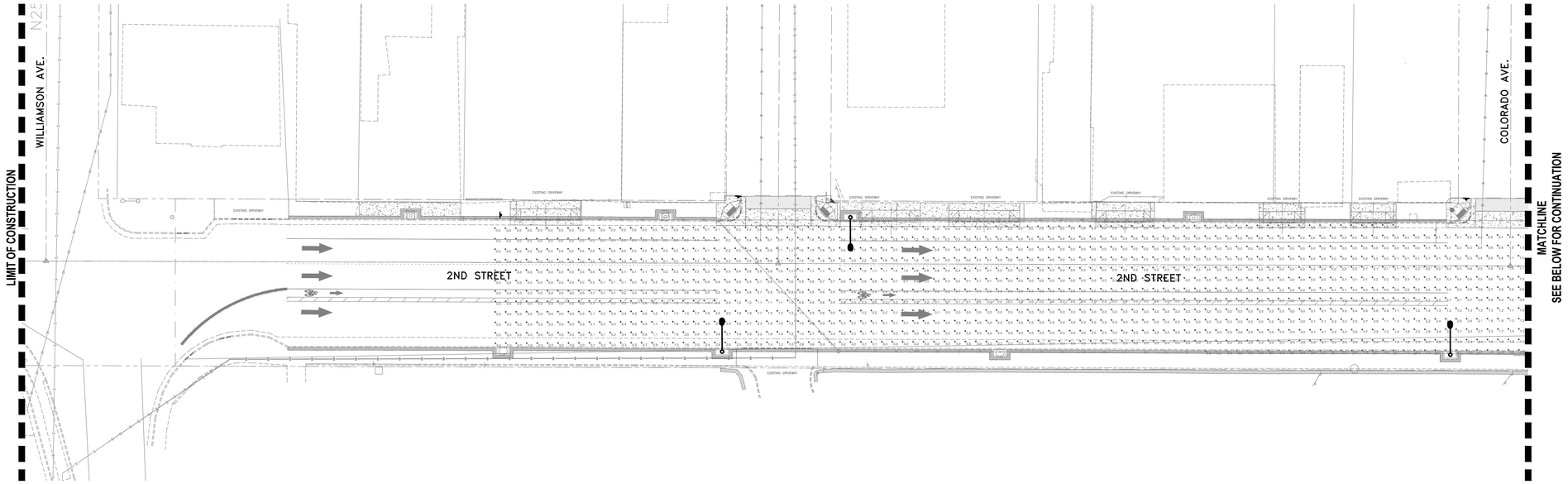
TRACS NO. WIN SL705 01C | WIN-0(202)T | ___ OF ___

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

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

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	WIN-0(202)T	43	52	

SL705 01C



PHOTOMETRIC PLAN – EAST 2ND STREET

NORTH

0 10 20 40

SCALE: 1" = 30'

GENERAL NOTES:

A. PHOTOMETRIC CALCULATIONS BASED ON C&W ENERGY MODEL HIB-74-2-5 LED LIGHT MODULE, 2 MODULES PER FIXTURE, 10% LUMEN DE-RATE FOR WARM WHITE LEDS, 5% LUMEN DE-RATE FOR TYPE 'OR' ORANGE "STAR FRIENDLY" LENS, AND 5% DIRT DEPRECIATION.

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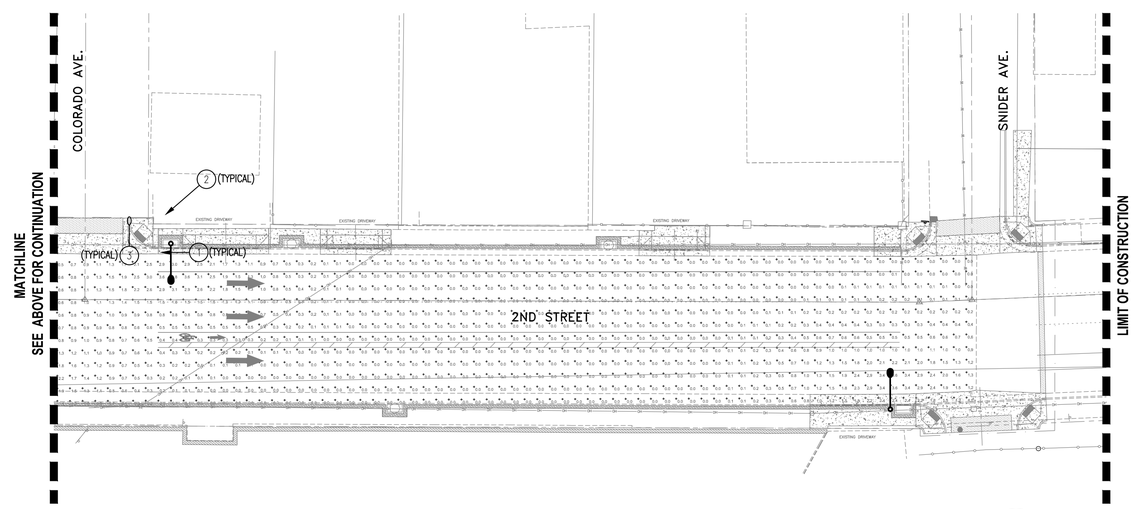

PHOTMETRIC PLAN – EAST 2ND STREET

NORTH

0 10 20 40

SCALE: 1" = 30'

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TAYLOR RYMAR CORPORATION

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21 WILLIAMSON AVE
WINSLOW, AZ 86047

PHOTOMETRIC PLAN SHEET

REGISTERED Professional Engineer (Electrical) CERTIFICATE NO. 30963 JOEL D. DeHAVEN Date Signed 3-29-16 ARIZONA, U.S.A.

EXPIRES 3/31/2018

ROUTE	LOCATION
SR 66	2ND ST AND 3RD ST: PRAIRIE AVE – SNIDER AVE

SHEET ___ OF ___

TRACS NO. WIN SL705 01C | WIN-0(202)T

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

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	WIN-0(202)T	44	52	

SL705 01C

SIGNING & PAVEMENT MARKING GENERAL NOTES

1. ALL SIGNS SHALL BE IN COMPLIANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, THE ADOT SIGNING & MARKING STANDARD DRAWINGS AND THE ADOT MANUAL OF APPROVED SIGNS.
2. THE SIGN LOCATIONS AND POST LENGTHS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE SIGN LOCATIONS AND ACTUAL POST LENGTHS WITH THE ENGINEER PRIOR TO CONSTRUCTING THE FOUNDATIONS FOR THE SIGN SUPPORTS.
3. THE BOTTOM OF EACH SIGN SHALL BE AT LEAST 7 FEET ABOVE THE NEAREST EDGE OF PAVEMENT AND AT LEAST 7 FEET ABOVE THE GROUND UNDER THE SIGN.
4. ALL NEW SIGNS SHALL BE FABRICATED OF FLAT SHEET ALUMINUM WITH DIRECT APPLIED COPY OR SCREEN PRINTED LEGEND AS INDICATED IN SPECIFICATION 608.
5. THE RETRO-REFLECTIVE SHEETING ON ALL NEW SIGNS SHALL MEET SPECIFICATIONS.
6. ALL NEW SIGNS SHALL BE INSTALLED ON NEW 2 1/2" SQUARE TUBE POSTS WITH FOUNDATIONS AS INDICATED IN ADOT STANDARD DRAWINGS.
7. THE CONTRACTOR SHALL INVENTORY ALL SIGNS TO BE REMOVED OR COVERED AND NOTE DAMAGED SIGNS TO THE ENGINEER AT THE TIME OF COVERING OR REMOVAL. ALL SIGNS DAMAGED BY COVERING OR REMOVAL SHALL BE REPLACED BY THE CONTRACTOR AT NO COST TO THE DEPARTMENT.
8. 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.
9. 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.
10. BIKE LANE SYMBOL AND ARROW SHALL BE IN ACCORDANCE WITH THE MARICOPA COUNTY DEPARTMENT OF TRANSPORTATION (MCDOT) PAVEMENT MARKING MANUAL, 2005 EDITON.
11. WHEN STRIPE OBLITERATION IS NECESSARY IT SHALL BE ACCOMPLISHED BY APPROVED METHODS. PAINTING OVER STRIPING, REMOVAL OF PAVEMENT AND OVERLAYING PAVEMENT DO NOT CONSTITUTE STRIPE OBLITERATION.
12. THE FINAL STRIPING SHALL BE A TWO-PART EPOXY PAVEMENT MARKING MATERIAL PLACED BETWEEN 7 & 14 DAYS AFTER THE COMPLETION OF THE FINAL PAVEMENT SURFACE OR AS DIRECTED BY THE ENGINEER. THE TWO-PART MATERIAL SHALL CONFORM TO SPECIFICATION 709.
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. THE PAVEMENT TEMPERATURE SHALL NOT BE LESS THAN 40^F AND THE AIR TEMPERATURE SHALL NOT BE LESS THAN 35^F FOR THE PLACEMENT OF EPOXY PAVEMENT MARKINGS.
14. ALL EXISTING PAVEMENT MARKINGS IN CONFLICT WITH THE TRAFFIC CONTROL PLANS SHALL BE REMOVED BY METHODS AS APPROVED BY THE ENGINEER.
15. THE PAVEMENT MARKING DRAWINGS ARE SCHEMATIC ONLY AND NOT TO SCALE. THE CONTRACTOR SHALL FOLLOW ALL DIMENSIONS AND DETAILS WHEN INSTALLING PAVEMENT MARKINGS.

CONSTRUCTION NOTES

(4BW) INSTALL 4" BROKEN WHITE LANE LINE WITH 10' SEGMENT AND 30' GAP.

(8SW) INSTALL 8" SOLID WHITE LANE LINE.

(8DW) INSTALL 8" DASHED LANE LINE WITH 2' SEGMENT AND 4' GAP.

(BLS) BIKE LANE SYMBOL AND ARROW PER MCDOT PAVEMENT MARKING MANUAL.

(12S) INSTALL 12" SOLID WHITE CROSS HATCH AT 45° ANGLE TO LANE LINES WITH 5' SPACING.

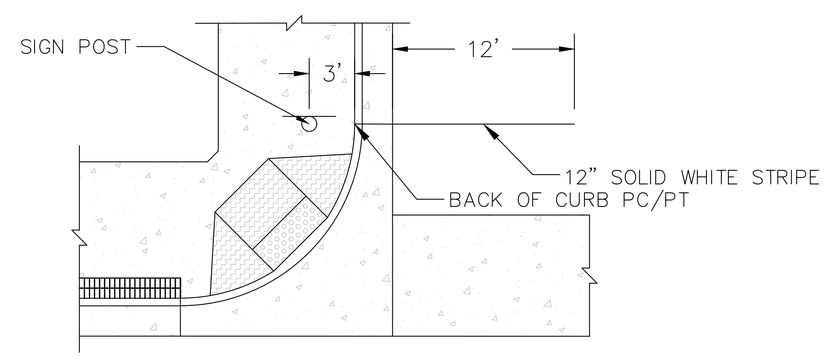
APPROXIMATE PAVEMENT MARKING QUANTITIES

ITEM DESCRIPTION		UNIT	TOTAL LENGTH
TWO PART EPOXY PAVEMENT MARKING	4" WHITE	L.FT.	8,256
	4" YELLOW	L.FT.	–
TWO PART EPOXY PAVEMENT MARKING	SINGLE ARROW PER MCDOT P.M.M.	EACH	3
	BIKE SYMBOL PER MCDOT P.M.M.	EACH	3
OBLiTERATE PAVEMENT MARKING (STRIPE)		L.FT.	3,764

NOTE: PAVEMENT MARKING QUANTITIES REFLECT 4" EQUIVALENTS.

APPROXIMATE SIGN QUANTITIES

DESCRIPTION	UNITS	QUANTITIES
FOUNDATION FOR SIGN POST (CONCRETE)	EACH	27
SIGN POST 2 1/2 S	L.FT.	297
WARNING, MARKER, OR REGULATORY SIGN PANEL	SQ.FT.	18
REMOVE AND REINSTALL SIGN	EACH	48
REINSTALL SIGNS ON LIGHT POLE	EACH	23
REINSTALL SIGNS ON NEW POSTS WITH NEW FOUNDATION	EACH	25



STOP SIGN AND STOP BAR DETAIL

FN: 110503	NAME	DATE
DESIGN	SDP	02/16
DRAWN	RRW	02/16
CHECKED	MWW	05/16

WOODSON
ENGINEERING AND SURVEYING, INC.
124 N. Elden St. • Flagstaff, AZ 86001
(928) 774-4636 • Fax (928) 774-4646

CITY OF WINSLOW
21 WILLIAMSON AVE
WINSLOW, AZ 86047

SIGNING & MARKING NOTE SHEET

ROUTE: SR 66
LOCATION: 2ND ST AND 3RD ST: PRAIRIE AVE – SNIDER AVE

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 10518 JEFFREY A. SWAN Date signed 05-09-16 ARIZONA, U.S.A.
EXPIRES 6/30/2016

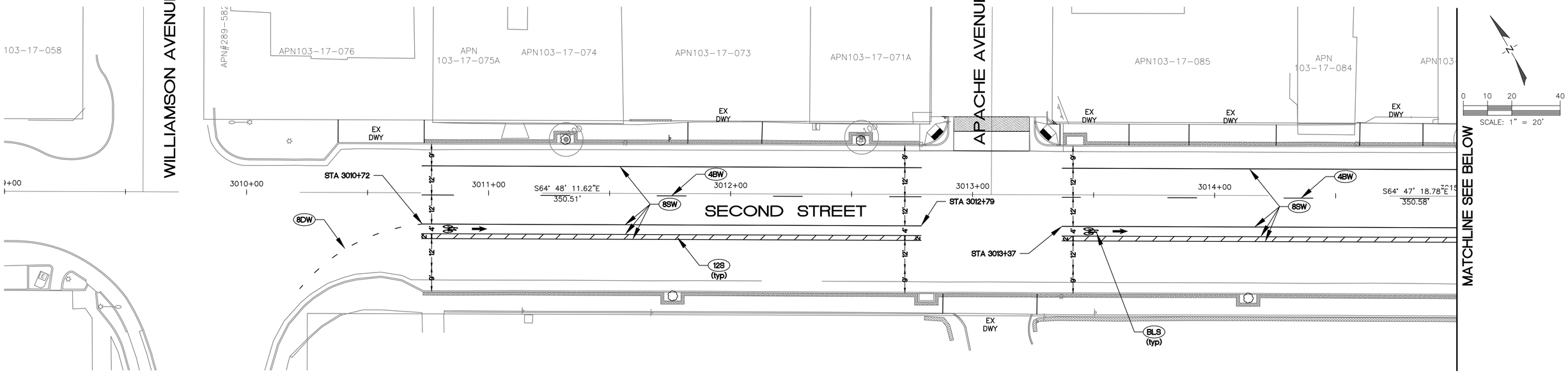
SHEET 1 OF 6

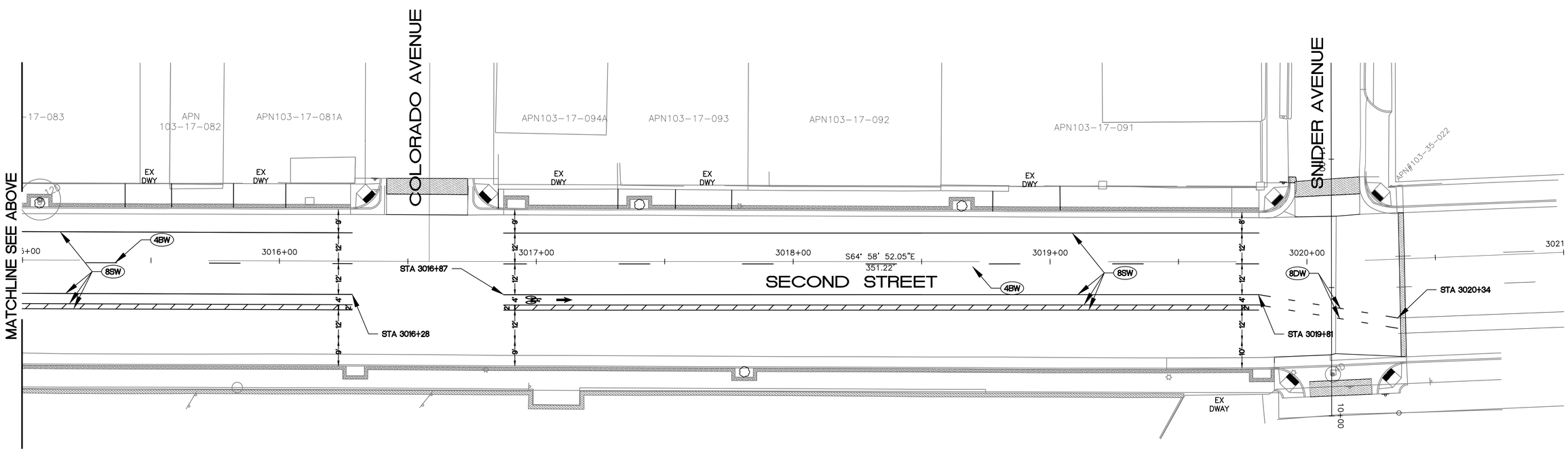
TRACS NO. WIN SL705 01C | WIN-0(202)T | ___ OF ___

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

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	WIN-0(202)T	45	52	

SL705 01C





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DESIGN	SDP	02/16
DRAWN	RRW	02/16
CHECKED	MWW	05/16

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ENGINEERING AND SURVEYING, INC.
124 N. Elden St. • Flagstaff, AZ 86001
(928) 774-4636 • Fax (928) 774-4646

CITY OF WINSLOW
21 WILLIAMSON AVE
WINSLOW, AZ 86047

MARKING PLAN SHEET
3009+00 TO 3021+00

ROUTE: SR 66
LOCATION: 2ND ST AND 3RD ST: PRAIRIE AVE – SNIDER AVE

REGISTERED PROFESSIONAL ENGINEER (CIVIL)
CERTIFICATE NO. 10518
JEFFREY A. SWAN
Date Signed 05-02-16
ARIZONA, U.S.A.
EXPIRES 6/30/2016

SHEET 2 OF 6

TRACS NO. WIN SL705 01C

WIN-0(202)T

___ OF ___

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

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	WIN-0(202)T	46	52	

SL705 01C

Station or Sign Number	Sign Code	WORK: New	WORK: EXISTING: Replace Panel	WORK: EXISTING: Remove Exst	WORK: EXISTING: Modify Legend	WORK: EXISTING: To Remain	WORK: EXISTING: Relocate Panel	WORK: EXISTING: See Remarks	Background Color	PANEL TYPE: Legend	PANEL TYPE: Panel Size (FEET) W	PANEL TYPE: Panel Size (FEET) H	PANEL TYPE: AREA SQ.FT.	PANEL TYPE: TYPE	PANEL TYPE: MINIMUM SHEETING	PANEL TYPE: Bid Item No.	GROUND MOUNT: Foundations	GROUND MOUNT: Posts: Type	GROUND MOUNT: Posts: Total Length FT.	GROUND MOUNT: New Slip Bases	GROUND MOUNT: Stringer: Type	GROUND MOUNT: Stringer: Total Length FT.	OVERHEAD: Structure Type	OVERHEAD: No Lights	REMARKS
2983+65	R6-2L						X	X	WT	ONE WAY ←	1.5	2	–			6080120	1	2 1/2S	10						Relocate from Sta 2983+30
2984+00	R7-302						X	X	WT	20 MINUTE PARKING ←	1	1.5	–			6080110							Band		Relocate from Sta 2984+05 on Street Light Pole
2984+85	SPEC						X	X	GN	VISITOR CENTER AHEAD	2	2	–			6080120	1	2 1/2S	10						Relocate from Sta 2984+98
	R6-2L						X	X	WT	ONE WAY ←	1.5	2	–												
2984+88	R1-1						X	X	RD	STOP	2.5	2.5	–			6080120	1	2 1/2S	11						Relocate from Sta 2984+90
	R6-2R						X	X	WT	ONE WAY →	1.5	2	–												
2985+38	M1-4h						X	X	BN	HISTORIC 66	2	2	–			6080110							Band		Relocate from Sta 2985+31 on Street Light Pole
	M1-102a						X	X	WT	SCENIC ROAD	1.5	2.5	–										Band		
	D3						X	X	GN	2ND STREET	2	1	–										Cant		Cantilever Bracket banded to Light Pole
	D3						X	X	GN	PRAIRIE AVE	2	1	–												
2986+30	M1-2						X	X	GN	BUSINESS 40	2	2	–			6080110							Band		Relocate from Sta 2986+99 on Street Light Pole
	M6-3						X	X	GN	↑	2	1.5	–										Band		
2988+39	R1-1						X	X	RD	STOP	2.5	2.5	–			6080120	1	2 1/2S	11						Relocate from Sta 2988+41
	R6-2R						X	X	WT	ONE WAY →	1.5	2	–												
2988+89	D3						X	X	GN	2ND STREET	2	1	–			6080110							Cant		Relocate from Sta 2988+82 on Street Light Pole
	D3						X	X	GN	CAMPBELL AVE	2	1	–												Cantilever Bracket banded to Light Pole
2991+89	R1-1						X	X	RD	STOP	2.5	2.5	–			6080120	1	2 1/2S	11						Relocate from Sta 2991+90
	R6-2R						X	X	WT	ONE WAY →	1.5	2	–												
2992+25	R1-1						X	X	RD	STOP	2.5	2.5	–			6080120	1	2 1/2S	11						Relocate from Sta 2992+25
	R6-2L						X	X	WT	ONE WAY ←	1.5	2	–												
2992+39	D3						X	X	GN	2ND STREET	2	1	–			6080110							Cant		Relocate from Sta 2992+32 on Street Light Pole
	D3						X	X	GN	HICKS AVE	2	1	–												Cantilever Bracket banded to Light Pole
																	6		64	–			8		TOTALS

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

FN: 110503	NAME	DATE
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DRAWN	RRW	02/16
CHECKED	MWW	05/16

WOODSON
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(928) 774-4636 • Fax (928) 774-4646

CITY OF WINSLOW
21 WILLIAMSON AVE
WINSLOW, AZ 86047

SIGN SUMMARY SHEET
2ND STREET

ROUTE: SR 66
LOCATION: 2ND ST AND 3RD ST: PRAIRIE AVE – SNIDER AVE

Registered Professional Engineer (Civil) CERTIFICATE NO. 10518 JEFFREY A. SWAN Date Signed 05-09-16 ARIZONA, U.S.A.
EXPIRES 6/30/2016

SHEET 3 OF 6

TRACS NO. WIN SL705 01C | WIN-0(202)T | ___ OF ___

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	WIN-0(202)T	47	52	

SL705 01C

Station or Sign Number	Sign Code	WORK: New	WORK: EXISTING: Replace Panel	WORK: EXISTING: Remove Exst	WORK: EXISTING: Modify Legend	WORK: EXISTING: To Remain	WORK: Relocate Panel	WORK: See Remarks	Background Color	PANEL TYPE: Legend	PANEL TYPE: Panel Size (FEET) W	PANEL TYPE: Panel Size (FEET) H	PANEL TYPE: AREA SQ.FT.	PANEL TYPE: TYPE	PANEL TYPE: MINIMUM SHEETING	PANEL TYPE: Bid Item No.	GROUND MOUNT: Foundations	GROUND MOUNT: Posts: Type	GROUND MOUNT: Posts: Total Length FT.	GROUND MOUNT: New Slip Bases	GROUND MOUNT: Stringer: Type	GROUND MOUNT: Stringer: Total Length FT.	OVERHEAD: Structure Type	OVERHEAD: No Lights	REMARKS
2993+30	M4-5						X	X	BL	TO	2	1	–			6080110							Band		Relocate from Sta 2993+21 on Street Light Pole
	M1-1						X	X	BL	INTERSTATE 40	2	2	–										Band		
	M6-3						X	X	BL	↑	2	1.5	–										Band		
3011+75	R2-1						X	X	WT	SPEED LIMIT 25	2	2.5	–			6080120	1	2 1/2S	11						Relocate from Sta 3011+56
3012+81	R2-1						X	X	WT	SPEED LIMIT 25	2	2.5	–			6080110							Band		Relocate from Sta 3011+68 on Street Light Pole
	R6-2L						X	X	WT	ONE WAY ←	1.5	2	–										Band		Relocate from Sta 3013+37 on Street Light Pole
	D10-1						X	X	GN	MILE 254	1	3	–										Band		
3012+86	R1-1						X	X	RD	STOP	2.5	2.5	–			6080120	1	2 1/2S	11						Relocate from Sta 3012+86
	R6-2R						X	X	WT	ONE WAY →	1.5	2	–												
3013+42	D3						X	X	GN	2ND STREET	2	1	–			6080110							Cant		Relocate from Sta 3013+33 on Street Light Pole
	D3						X	X	GN	APACHE AVE	2	1	–												Cantilever Bracket banded to Light Pole
3016+30	M3-2						X	X	GN	EAST	2	1	–			6080110							Band		Relocate from Sta 3013+37 on Street Light Pole
	M1-2						X	X	GN	BUSINESS 40	2	2	–										Band		
	M3-1						X	X	WT	NORTH	2	1	–										Band		
	M1-5a						X	X	WT	SR 87	2	2	–										Band		
	R6-2L						X	X	WT	ONE WAY ←	1.5	2	–										Band		Relocate from Sta 3016+80 on Street Light Pole
3016+36	R1-1						X	X	RD	STOP	2.5	2.5	–			6080120	1	2 1/2S	11						Relocate from Sta 3016+38
3016+92	D3						X	X	GN	2ND STREET	2	1	–			6080110							Cant		Relocate from Sta 3016+38 on Street Light Pole
	D3						X	X	GN	COLORADO AVE	2	1	–												Cantilever Bracket banded to Light Pole
3019+83	W4-6	X						X	YL	ADDED LANE	3	3	9			6080005							Band		Mount on Street Light Pole – Rotate 45deg CCW
	M1-4h						X	X	BN	HISTORIC 66	2	2	–			6080110							Band		Relocate from Sta 3016+80 on Street Light Pole
	M1-102a						X	X	WT	SCENIC ROAD	1.5	2.5	–										Band		
	R6-2L						X	X	WT	ONE WAY ←	1.5	2	–										Band		Relocate from Sta 3020+15 on Street Light Pole
3019+90	R1-1						X	X	RD	STOP	2.5	2.5	–			6080120	1	2 1/2S	11						Relocate from Sta 3019+91
	R6-2R						X	X	WT	ONE WAY →	1.5	2	–												
3020+34	D3					X			GN	2ND STREET	2	1	–			6080120	1	2 1/2S	11						Relocate from Sta 3020+34
	D3					X			GN	SNIDER AVE	2	1	–												
3020+28	R1-1	X						X	RD	STOP	2.5	2.5	6			6080005	1	2 1/2S	11						New signs at new La Posada driveway
	R6-2R	X						X	WT	ONE WAY →	1.5	2	3			6080005									
													18				6		66	–			17		TOTALS

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21 WILLIAMSON AVE
WINSLOW, AZ 86047

SIGN SUMMARY SHEET
2ND STREET

ROUTE: SR 66
LOCATION: 2ND ST AND 3RD ST: PRAIRIE AVE – SNIDER AVE

Registered Professional Engineer (Civil) CERTIFICATE NO. 10518 JEFFREY A. SWAN Date Signed 05-09-16 ARIZONA, U.S.A.
EXPIRES 6/30/2016

SHEET 4 OF 6

TRACS NO. WIN SL705 01C

WIN-0(202)T

___ OF ___

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

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	WIN–0(202)T	48	52	

SL705 01C

Station or Sign Number	Sign Code	WORK: New	WORK: EXISTING: Replace Panel	WORK: EXISTING: Remove Exst	WORK: EXISTING: Modify Legend	WORK: EXISTING: To Remain	WORK: EXISTING: Relocate Panel	WORK: EXISTING: See Remarks	Background Color	PANEL TYPE: Legend	PANEL TYPE: Panel Size (FEET) W	PANEL TYPE: Panel Size (FEET) H	PANEL TYPE: AREA SQ.FT.	PANEL TYPE: TYPE	PANEL TYPE: MINIMUM SHEETING	PANEL TYPE: Bid Item No.	GROUND MOUNT: Foundations	GROUND MOUNT: Posts: Type	GROUND MOUNT: Posts: Total Length FT.	GROUND MOUNT: New Slip Bases	GROUND MOUNT: Stringer: Type	GROUND MOUNT: Stringer: Total Length FT.	OVERHEAD: Structure Type	OVERHEAD: No Lights	REMARKS
175+19	W11–1						X	X	YL	BIKE SYMBOL	2	2	–			6080120	1	2 1/2S	13						Relocate from Sta 175+13
	W16–1P						X	X	YL	SHARE THE ROAD	1.5	2	–												
175+20	M1–4h						X	X	BN	HISTORIC 66	2	2	–			6080110							Band		Relocate from Sta 175+22 on Street Light Pole
	M1–102a						X	X	WT	SCENIC ROAD	1.5	2.5	–										Band		
	M4–5						X	X	BL	TO	2	1	–										Band		
	M1–1						X	X	BL	INTERSTATE 40	2	2	–										Band		
	R7–1						X	X	WT	NO PARKING ANY TIME ←	1	1.5	–										Band		Relocate from Sta 175+15
175+28	R1–1						X	X	RD	STOP	2.5	2.5	–			6080120	1	2 1/2S	11						Relocate from Sta 175+25
	R6–2L						X	X	WT	ONE WAY ←	1.5	2	–												
175+70	R1–1					X			RD	STOP	2.5	2.5	–			6080120	1	2 1/2S	11						
	R6–2R					X			WT	ONE WAY →	1.5	2	–												
175+85	D3						X	X	GN	3RD STREET	2	1	–			6080110							Cant		Pole previously removed. city to provide signs
	D3						X	X	GN	PRAIRIE AVE	2	1	–												Cantilever Bracket banded to Light Pole
178+82	R1–1						X	X	RD	STOP	2.5	2.5	–			6080120	1	2 1/2S	11						Relocate from Sta 178+83
	R6–2L						X	X	WT	ONE WAY ←	1.5	2	–												
179+17	R1–1					X			RD	STOP	2.5	2.5	–			6080120	1	2 1/2S	11						
	R6–2R					X			WT	ONE WAY →	1.5	2	–												
179+32	D3						X	X	GN	3RD STREET	2	1	–			6080110							Cant		Relocate from Sta 179+24 on Street Light Pole
	D3						X	X	GN	CAMPBELL AVE	2	1	–												Cantilever Bracket banded to Light Pole
182+33	R1–1						X	X	RD	STOP	2.5	2.5	–			6080110	1	2 1/2S	11						Relocate from Sta 182+35
	R6–2L						X	X	WT	ONE WAY ←	1.5	2	–												
182+68	R1–1						X	X	RD	STOP	2.5	2.5	–			6080120	1	2 1/2S	11						Relocate from Sta 182+67
	R6–2R						X	X	WT	ONE WAY →	1.5	2	–												
182+82	D3						X	X	GN	3RD STREET	2	1	–			6080110							Cant		Relocate from Sta 182+73 on Street Light Pole
	D3						X	X	GN	HICKS AVE	2	1	–												Cantilever Bracket banded to Light Pole
	SPEC						X	X	BL	CITY OF WINSLOW	2	2	–										Band		
183+74	M1–4h						X	X	BN	HISTORIC 66	2	2	–			6080110							Band		Relocate from Sta 184+26 on Street Light Pole
	M1–102a						X	X	WT	SCENIC ROAD	1.5	2.5	–										Band		
													–				7		46	–			11		TOTALS

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WINSLOW, AZ 86047

SIGN SUMMARY SHEET
3RD STREET

ROUTE: SR 66
LOCATION: 2ND ST AND 3RD ST: PRAIRIE AVE – SNIDER AVE

Registered Professional Engineer (Civil) CERTIFICATE NO. 10518 JEFFREY A. SWAN Date Signed 05-09-16 ARIZONA, U.S.A.
EXPIRES 6/30/2016

SHEET 5 OF 6

TRACS NO. WIN SL705 01C

WIN–0(202)T

___ OF ___

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	WIN-0(202)T	49	52	

SL705 01C

Station or Sign Number	Sign Code	WORK: New	WORK: EXISTING: Replace Panel	WORK: EXISTING: Remove Exst	WORK: EXISTING: Modify Legend	WORK: EXISTING: To Remain	WORK: EXISTING: Relocate Panel	WORK: EXISTING: See Remarks	Background Color	PANEL TYPE: Legend	PANEL TYPE: Panel Size (FEET) W	PANEL TYPE: Panel Size (FEET) H	PANEL TYPE: AREA SQ.FT.	PANEL TYPE: TYPE	PANEL TYPE: MINIMUM SHEETING	PANEL TYPE: Bid Item No.	GROUND MOUNT: Foundations	GROUND MOUNT: Posts: Type	GROUND MOUNT: Posts: Total Length FT.	GROUND MOUNT: New Slip Bases	GROUND MOUNT: Stringer: Type	GROUND MOUNT: Stringer: Total Length FT.	OVERHEAD: Structure Type	OVERHEAD: No Lights	REMARKS
203+16	GUIDE						X	X	GN	87 99	4	4	–			6080110							Band		Relocate from Sta 203+24 on Street Light Pole
										LEFT LANE													Band		
	D10-1						X	X	GN	MILE 254	1	3	–										Band		
203+29	R1-1						X	X	RD	STOP	2.5	2.5	–			6080120	1	2 1/2S	11						Relocate from Sta 203+32
	R6-2L						X	X	WT	ONE WAY ←	1.5	2	–												
203+71	R1-1						X	X	RD	STOP	2.5	2.5	–			6080120	1	2 1/2S	11						Relocate from Sta 203+69
	R6-2R						X	X	WT	ONE WAY →	1.5	2	–												
203+85	D3						X	X	GN	3RD STREET	2	1	–			6080110							Cant		Relocate from Sta 203+75 on Street Light Pole
	D3						X	X	GN	APACHE AVE	2	1	–												Cantilever Bracket banded to Light Pole
205+75	R2-1						X	X	WT	SPEED LIMIT 25	2	2.5	–			6080110							Band		Relocate from Sta 206+74 on Street Light Pole
206+50	W11-1						X	X	YL	BIKE SYMBOL	2	2	–			6080120	1	2 1/2S	13						Relocate from Sta 206+56
	W16-1P						X	X	YL	SHARE THE ROAD	1.5	2	–												
206+65	R2-1						X	X	WT	SPEED LIMIT 25	2	2.5	–			6080110							Band		Relocate from Sta 206+09 on Street Light Pole
206+82	R1-1						X	X	RD	STOP	2.5	2.5	–			6080120	1	2 1/2S	11						Relocate from Sta 206+84
	R6-2L						X	X	WT	ONE WAY ←	1.5	2	–												
207+22	R1-1						X	X	RD	STOP	2.5	2.5	–			6080120	1	2 1/2S	11						Relocate from Sta 207+24
	R6-2R						X	X	WT	ONE WAY →	1.5	2	–												
207+32	D3						X	X	GN	3RD STREET	2	1	–			6080110							Cant		Relocate from Sta 207+24 on Street Light Pole
	D3						X	X	GN	COLORADO AVE	2	1	–												Cantilever Bracket banded to Light Pole
208+26	M1-4h						X	X	BN	HISTORIC 66	2	2	–			6080110							Band		Relocate from Sta 208+49 on Street Light Pole
	M1-102a						X	X	WT	SCENIC ROAD	1.5	2.5	–										Band		
210+32	R1-1						X	X	RD	STOP	2.5	2.5	–			6080120	1	2 1/2S	11						Relocate from Sta 210+33
	R6-2L						X	X	WT	ONE WAY ←	1.5	2	–												
210+67	R1-1					X			RD	STOP	2.5	2.5	–			6080120	1	2 1/2S	11						Relocate from Sta 210+67
	R6-2R					X			WT	ONE WAY →	1.5	2	–												
210+74	D3						X	X	GN	3RD STREET	2	1	–			6080120	1	2 1/2S	9				Cant		Relocate from Sta 210+74
	D3						X	X	GN	SNIDER AVE	2	1	–												Cantilever Bracket banded to Light Pole
													–				8		88	–			10		TOTALS

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SHEET 6 OF 6

TRACS NO. WIN SL705 01C | WIN-0(202)T | ___ OF ___

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	WIN-0(202)T	50	52	
		SL705 01C			

PART 1 - To be completed by the Landscape Architect or Design Engineer

I. PROJECT DESCRIPTION

A. Owner Name, Address and IRS Employee Identification Number (EIN):

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

IRS Employee Identification Number (EIN) for ADOT: 86-6004791

B. Project TRACS Number: WIN SL70501C

C. Project Location: WINSLOW RENAISSANCE PHASE V

City: WINSLOW County: NAVAJO

Beginning Latitude (NAD 83): 35° 1' 34.5"
Beginning Longitude (NAD 83): -110° 42' 14.8"
Ending Latitude (NAD 83): 35° 1' 19.8"
Ending Longitude (NAD 83): -110° 41' 36.7"

To obtain the project latitude/longitude data, refer to the EPA's eNOI System (Central Data Exchange) : https://cdx.epa.gov/
or Flash Earth Web Link below (Bing Maps with labels) : http://www.flashearth.com/

D. Project Description: UPGRADE PED RAMPS TO ADA, UNDERGROUND STREET LIGHT CIRCUIT AND ADD LANDSCAPING

II. HYDROLOGIC INFORMATION

A. Project Size:
Length (Mi.) 0.85
Area (Ac.) 4.6

B. Area to be Graded (Ac.) *: 0.0

* Blading of the shoulder build-up area is considered as grading and ground disturbance and should be covered by stormwater and/or other environmental regulations.

C. Percentage of the site that is impervious before and after construction:
Percentage before Construction: 100%
Percentage after Construction: 100%

D. Receiving Water(s), refer to the AZ Department of Water Resources Web Link below (USGS Topo):
https://gisweb.azwater.gov/WellRegistry/Default.aspx

III. PRESERVATION OF EXISTING VEGETATION

A. In accordance with the specifications, existing vegetation will be preserved. Clearing limits shall be confined to areas that require grading. Existing vegetation outside the boundaries of the cleared area shall be protected from damage by construction activities. Existing trees within the area to be cleared shall be preserved and protected, wherever possible.

IV. SOIL STABILIZATION MEASURES

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

B. Scheduling of the revegetation effort can be found on PART 2 of this sheet under SCHEDULE OF MAJOR ACTIVITIES.

V. MEASURES TO CONTROL EROSION AND SEDIMENT

A. Temporary Erosion and Sediment Controls: (Refer to the SWPPP Site Plan and Specifications)

___ Erosion Control Mattings
___ Temporary Diversion Dikes
___ Check Dams
___ Rock Inlet/Outlet Protection
___ Sediment Control Berms
___ Silt Fences
___ Wattles (Excelsior/Straw)
___ Excelsior Logs / Sediment Logs
___ Seeding (Class II with mulch)
___ Others Describe:

B. Permanent Erosion and Sediment Controls and Post-construction Storm Water Management Measures: (Refer to SWPPP Site Plan and Specifications)

___ Crown Ditch/Dike
___ Rock Protection
___ Rock Riprap Channel Lining
___ Sediment Basin
___ Embankment Curb
___ Spillways and Downdrains
___ Minibenching
___ Seeding established as a perennial vegetative cover with a density of 70% of the native background vegetative cover.
X Others Describe: EXISTING CURB & GUTTER

VI. MAINTENANCE AND INSPECTIONS

A. Frequency of Inspections:

Regular Inspection Frequency:

___ At least once every 7 calendar days (weekly), OR

X At least 14 calendar days (biweekly) and within 24 hours of a rainfall of 0.25 in. or greater.

Impaired (Sensitive) Waters Inspection:

___ Every 7 calendar days and within 24 hours of a rainfall of 0.25 in. or greater.

NOTE: RAINFALL GAUGE TO BE KEPT ON-SITE TO DETERMINE DEPTH OF RAINFALL

B. Inspection Procedure:
ADOT's Contractor's Inspection Log and Compliance Evaluation Report (CER) will be completed by the contractor or his representative and will be kept on file for 3 years. A signed copy of the CER will be sent to the ADOT resident engineer. If repairs are necessary, they shall be initiated within 24 hours of the inspection report.

PART 2 - To be completed by ADOT & CONTRACTOR

Refer to: http://cfpub.epa.gov/npdes/stormwater/msgpenoi.cfm
http://cfpub.epa.gov/npdes/stormwater/swppp.cfm#guide

I. SCHEDULE OF MAJOR ACTIVITIES

A. Project Schedule:

Start Date:

End Date:

B. Construction Sequencing Schedule: (Attach Additional Sheets)
Construction Activities

II. INVENTORY OF POLLUTANTS

A. The materials or substances checked below are expected to be onsite during construction:

__ Concrete __ Asphalt
__ Paints __ Fertilizer
__ Herbicides __ Wood
__ Fuel __ Oil
__ Others, List:

III. POLLUTION CONTROL MEASURES

A. Other Best Management Practices:

__ Wind Erosion and Dust Control
__ Solid Waste Management
__ Equipment Maintenance Procedures
__ Designated Concrete Washout Areas (Leak proof pits/containers are included.)
__ Stabilized Construction Entrance
__ Protected Chemical and Material Storage Area
Other, Describe:

IV. SPILL PREVENTION AND RESPONSE

A. Spill Prevention:
The procedures outlined in the Best Management Practices listed under Pollution Control Measures will be followed to prevent and contain spills of hazardous material. These preventative action include BMP's on equipment maintenance and proper handling, storage and disposal of chemicals and materials. All manufacturer's recommendations for usage, clean-up and disposal shall be followed.

B. Spill Response:
In the event of any accidental spill of chemicals or hazardous materials, contact the ADOT Traffic Operations Center at 800-379-3701. If a reportable quantity is discharged into the storm water, ADOT shall contact the National Response Center and document the spill to the EPA. ADOT's Hazardous Materials Specialist shall provide instructions.

V. CERTIFICATION OF COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS

A. This Storm Water Pollution Prevention Plan (SWPPP) has been prepared in accordance with the latest updated version of ADOT's EROSION AND POLLUTION CONTROL MANUAL FOR HIGHWAY DESIGN AND CONSTRUCTION, published by ADOT Intermodal Transportation Division.

____ SWPPP is in compliance with other Federal, State Laws, or Local Regulations.

VI. POLLUTION PREVENTION PLAN CERTIFICATION

A. I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Applies to VI. B., C., and D)

B. The operator/contractor as defined in NPDES should sign the SWPPP in accordance with CGP Part 7.2.15 and retain the SWPPP on-site at the construction site or other location easily accessible during normal business hours.
Signature: (operator/contractor)
Date:
Name:
Title:
ADOT District:

C. ADOT Resident Engineer
Signature: (owner)
Date:
Name:
Title:
ADOT District:

D. MUNICIPALITY for Municipal Separate Storm Sewer System (MS4)
Signature:
Date:
Name:
Title:
Municipality:

VII. OTHER REQUIREMENTS

A. A copy of the General Permit and NOI should be attached.

B. A copy of the page from the environmental clearance for the project that discusses endangered or threatened species should be attached.

C. Use the process in NPDES General Permit Appendix C (ESA Review Procedures) to determine eligibility prior to submittal of the Notice of Intent (NOI) for Endangered and Threatened Species and Critical Habit Protection.

D. A seven-day waiting/review period between NOI submittal and authorization to begin construction will be used by U.S. Fish and Wildlife Service and National Marine Fisheries Service to screen proposed construction activities for potential impacts on endangered species.

FN: 110503	NAME	DATE
DESIGN	SDP	02/16
DRAWN	RRW	02/16
CHECKED	MWW	05/16

WOODSON
ENGINEERING AND SURVEYING, INC.
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CITY OF WINSLOW
21 WILLIAMSON AVE
WINSLOW, AZ 86047

NPDES SWPPP SHEET

ROUTE: SR 66
LOCATION: 2ND ST AND 3RD ST: PRAIRIE AVE - SNIDER AVE

Registered Professional Engineer (Civil) CERTIFICATE NO. 10518 JEFFREY A. SWAN Date Signed 05-09-16 ARIZONA, U.S.A.
EXPIRES 6/30/2016

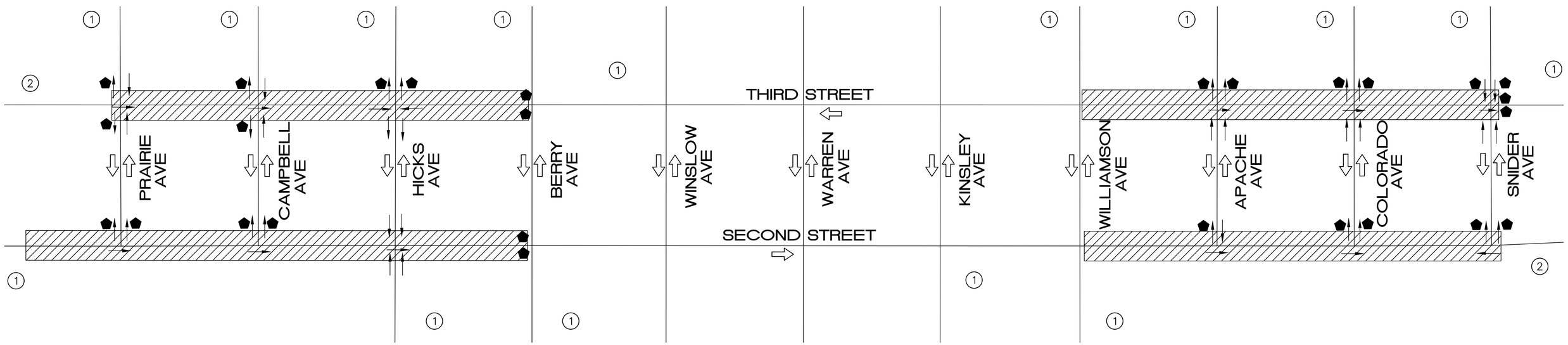
SHEET 1 OF 3

TRACS NO. WIN SL705 01C | WIN-0(202)T | __ OF __

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

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	WIN-0(202)T	51	52	

SL705 01C



NOTES FOR STORMWATER POLLUTION PREVENTION PLAN:

1. A COPY OF THE APPROVED GRADING & DRAINAGE PLAN FOR THIS PROJECT, TOGETHER WITH A COPY OF THE NOTICE OF INTENT (NOI) AND THIS STORM WATER POLLUTION PREVENTION PLAN (SWPPP), SHALL BE MAINTAINED ON THE SITE AND AVAILABLE FOR REVIEW. THOSE ELEMENTS OF THE GRADING & DRAINAGE PLAN PERTINENT TO OR REFERENCED ON THE SWPPP SHALL BE CONSIDERED A PART OF THE SWPPP. OPERATOR SHALL POST A SIGN INDICATING THE AZPDES NOI AUTHORIZATION OR NUMBER, CONTACT NAMES AND PHONE NUMBERS AND A BRIEF PROJECT DESCRIPTION.

2. THE PERMITTEE SHALL MAINTAIN RECORDS OF DATES WHEN COMMENCEMENT OF OPERATIONS OCCUR, AND WHEN SAND BAGS ARE PLACED AND COMPLETED. INDICATE ANY REASON FOR DELAYS.

3. THE PERMITTEE SHALL PERFORM, AT A MINIMUM, A VISUAL INSPECTION OF THE CONSTRUCTION SITE ONCE EVERY 14 DAYS AND WITHIN 24 HOURS OF RAINFALL GREATER THAN OR EQUAL HALF AN INCH OR MORE. THE OPERATOR SHALL PREPARE A REPORT DOCUMENTING HIS/HER FINDINGS ON PROBLEM AREAS. SEE SWPPP CHECKLIST, PART IV, H.5 FOR INSPECTION REPORT REQUIREMENTS. THE OPERATOR'S REPORT IS TO BE MAINTAINED ON THE SITE. FACILITIES SHALL BE MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING. IN ADDITION, ALL TEMPORARY SILTATION CONTROLS SHALL BE MAINTAINED IN A SATISFACTORY CONDITION UNTIL SUCH TIME THAT CLEARING AND/OR CONSTRUCTION IS COMPLETE, PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL, AND THE POTENTIAL FOR EROSION HAS BEEN MINIMIZED BY SITE STABILIZATION ACCORDING TO THE PROJECT CONSTRUCTION PLANS.

4. ALL SEDIMENT ACCUMULATED AT SILTATION CONTROLS, SHALL BE REMOVED AFTER EACH RAINFALL EVENT.

5. THE PERMITTEE SHALL AMEND THIS PLAN WITHIN TWO WEEKS AS NECESSARY DURING THE COURSE OF CONSTRUCTION TO RESOLVE ANY PROBLEM AREAS WHICH BECOME EVIDENT DURING THE CONSTRUCTION AND/OR DURING RAINFALLS OR TO ADDRESS ANY CHANGES IN DESIGN OR PROJECT SCOPE.

6. THE PERMITEE SHALL FILE A NOTICE OF TERMINATION (NOT) AFTER COMPLETION OF CONSTRUCTION AND PLACEMENT OF FINAL LANDSCAPE MATERIALS. THE NOT IS TO BE SUPPLIED TO THE DEVELOPMENT SERVICES DEPARTMENT PROJECT ENGINEERING INSPECTOR TO FINAL THE SWPPP PERMIT.

NOTES FOR STORMWATER POLLUTION PREVENTION PLAN: (cont.)

7. THE PERMITTEE SHALL SAVE ALL RECORDS, INCLUDING THE NOI, SWPPP AND NOT AND INSPECTION REPORTS ON FILE FOR A MINIMUM OF THREE (3) YEARS FROM THE DATE OF FILING THE NOT.

8. THE IMPLEMENTATION OF THESE PLANS AND CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE FACILITIES IS THE RESPONSIBILITY OF THE PERMITTEE/CONTRACTOR UNTIL ALL CONSTRUCTION IS APPROVED AND THE NOT SUBMITTED.

9. THE FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING ACTIVITIES IN SUCH A MANNER AS TO INSURE THAT SEDIMENT-LADEN WATER DOES NOT ENTER THE DRAINAGE SYSTEM OR VIOLATE APPLICABLE WATER STANDARDS, AND MUST BE INSTALLED AND IN OPERATION PRIOR TO ANY GRADING, UTILITY INSTALLATION OR LAND CLEARING, WHEREVER POSSIBLE, MAINTAIN NATURAL VEGETATION FOR SILT CONTROL BUFFERS.

10. THE PERMITTEE'S/CONTRACTOR'S NOI MUST BE RECEIVED PRIOR TO THE SWPPP PERMIT BEING ISSUED. THE OPERATOR/CONTRACTOR THAT WILL BE PULLING THE GRADING & DRAINAGE PERMIT MUST HAVE THE SWPPP PERMIT ISSUED IN THE NAME.

CONSTRUCTION SEQUENCING:

1. SAND BAG PER PLAN.
2. REMOVALS, UTILITIES AND CONSTRUCTION.
3. REMOVE BAGS AFTER COMPLETION OF CONSTRUCTION.

SWPPP CONSTRUCTION NOTES:

1. SAND BAGS SHALL BE 36"-42" IN LENGTH AND 4" IN WIDTH. BAG TO BE BURLAP OR GEOTEXTILE TIED OFF WITH A WIRE. MINIMUM WEIGHT TO BE 35 POUNDS. BAG TO BE PLACED JUST OUTSIDE LIMITS OF CONSTRUCTION AS SHOWN ON EXHIBIT ABOVE. BAG TO BE DRAPED FROM TOP OF CURB TO EDGE OF PAVEMENT AND FILTER ALL FLOWS WITHIN GUTTER.

2. ALL SUBCONTRACTORS WILL BE RESPONSIBLE FOR CLEANOFF OF MUD OR DIRT PRIOR TO ENTRY ONTO COUNTY AND CITY STREETS.

3. NO MAINTENANCE OF VEHICLES OR WASH OFF WILL BE DONE ONSITE.

4. A FENCED YARD FOR EQUIPMENT WILL BE NEEDED? CONTRACTOR WILL FURNISH FENCE TO MAINTAIN SUPPLIES AND MINIMIZE WIND BLOWING DEBRIS. ALL DEBRIS TO BE PICKED UP ON A DAILY BASIS.

5. ANY GAS OR OIL SPILLED WILL REQUIRE IMMEDIATE NOTIFICATION TO OWNER AND APPROPRIATE CLEAN-UP. ANY CONTAMINATED SOIL SHALL BE HAULED TO HAZARDOUS WASTE LOCATION.

SYMBOL LEGEND:

⬟	Sand Bag
→	Direction of Flow
⇨	Direction of Travel
▨	Work Area

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EROSION/SEDIMENT CONTROL PLAN

Registered Professional Engineer (Civil) CERTIFICATE NO. 10518 JEFFREY A. SWAN Date Signed 05-09-16 ARIZONA, U.S.A.

EXPIRES 6/30/2016

ROUTE	LOCATION
SR 66	2ND ST AND 3RD ST: PRAIRIE AVE – SNIDER AVE

SHEET 2 OF 3

TRACS NO. WIN SL705 01C | WIN-0(202)T | ___ OF ___

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

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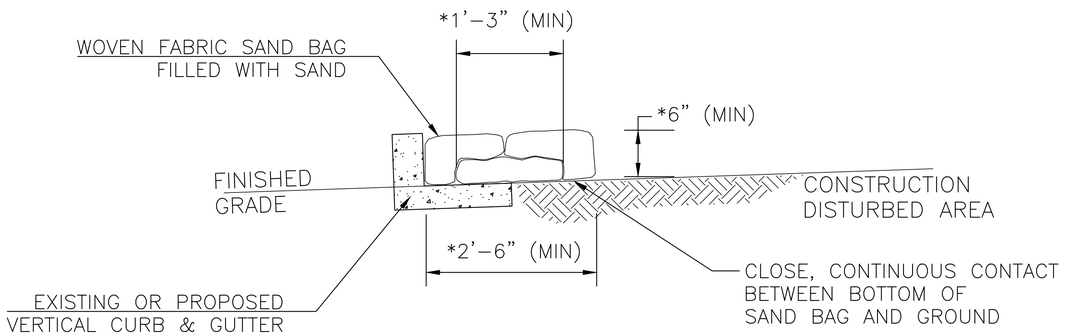
SL705 01C



SAND BAG DETAIL
(NTS)

NOTES:

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

DETAIL ES1
SAND BAG PROTECTION

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21 WILLIAMSON AVE
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CONSTRUCTION MANAGEMENT SHEET

REGISTERED PROFESSIONAL ENGINEER (CIVIL)
CERTIFICATE NO. 10518
JEFFREY A. SWAN
Date Signed 05-02-16
ARIZONA, U.S.A.
EXPIRES 6/30/2016

ROUTE	LOCATION
SR 66	2ND ST AND 3RD ST: PRAIRIE AVE – SNIDER AVE

SHEET 3 OF 3

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