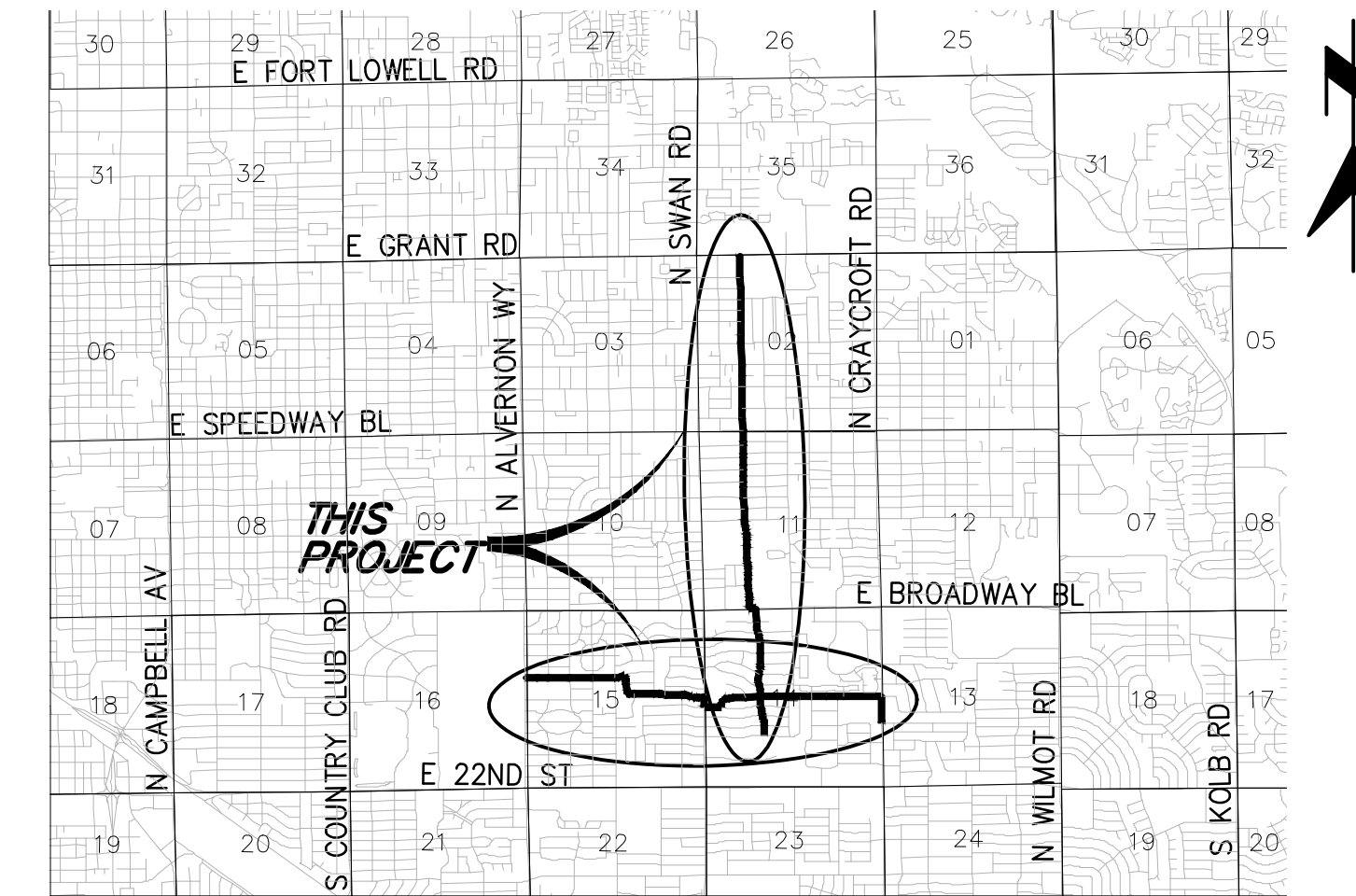
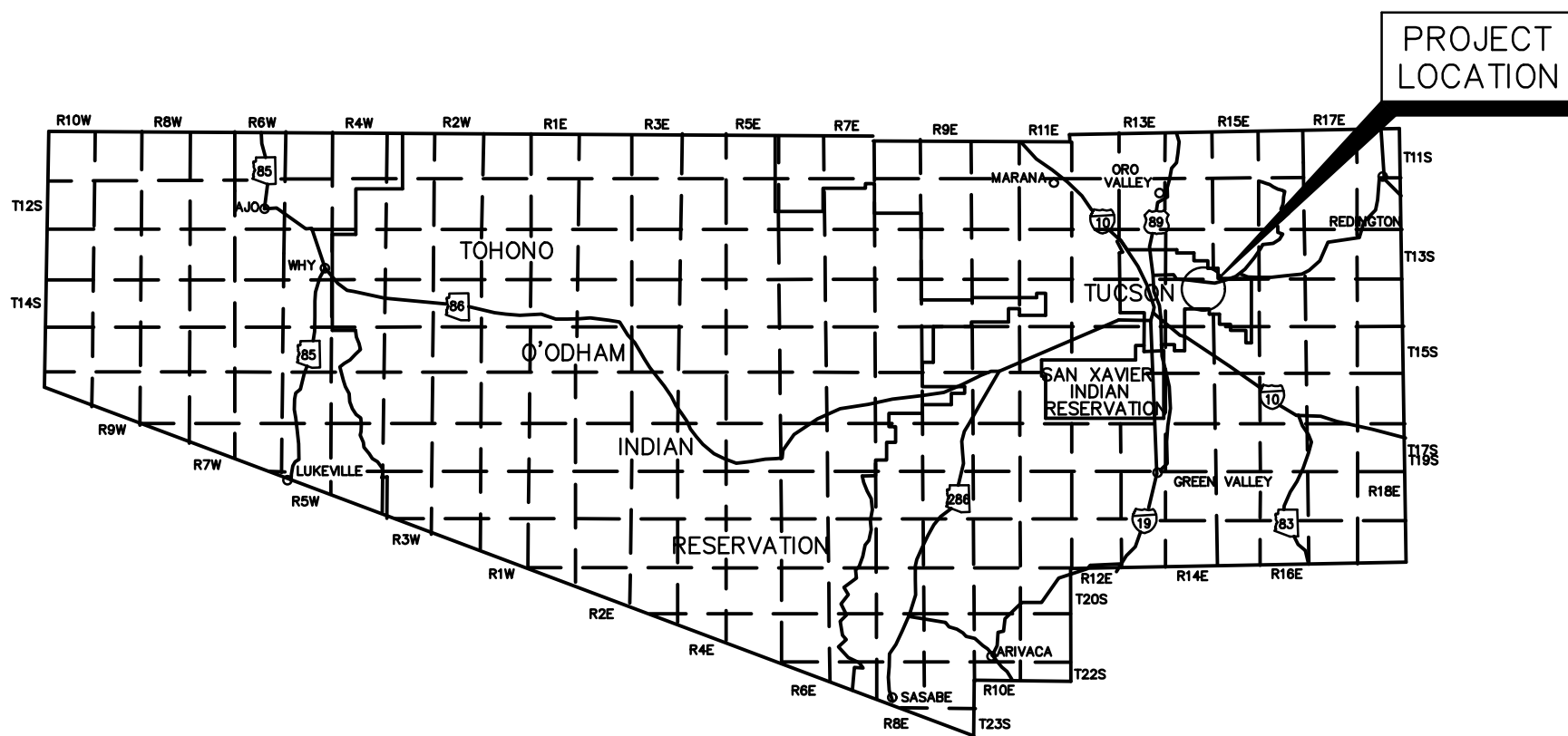


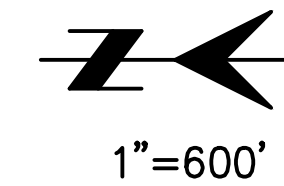
CITY OF TUCSON, ARIZONA
ARCADIA AND TIMROD BICYCLE BOULEVARDS
 GRANT RD TO EASTLAND ST AND ALVERNON WAY TO CRAYCROFT RD
ROADWAY IMPROVEMENTS
 ADOT TRACS No. 0000 PM TUC T0129 01C
 Federal Project No. TAP-TUC-0(264)D
 COT Job No. SA12
 COT PLAN No. U-2018-011



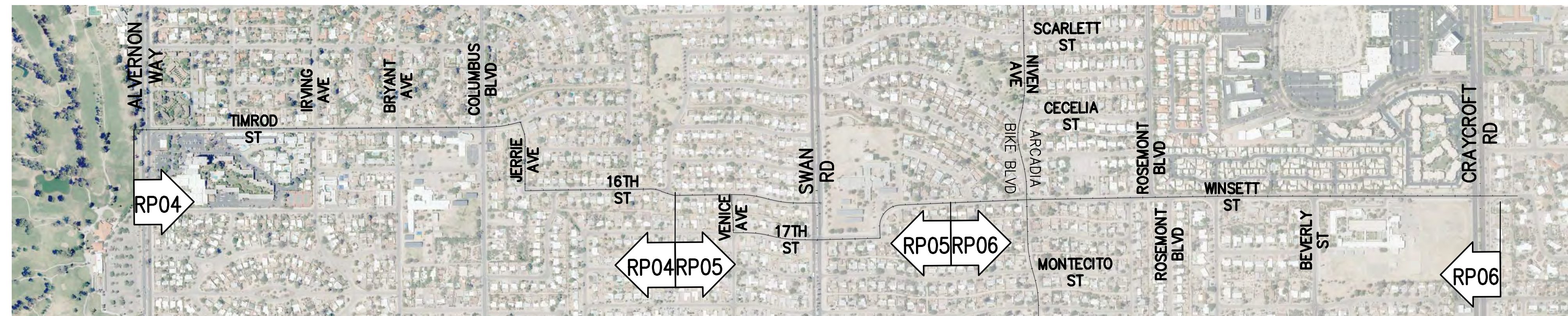
LOCATION MAP

Sections 2, 11, 14, and 15
 T-14-S, R-14-E, G and S R M
 Pima County, Arizona
 Scale: 1"=1 Mile

PROPOSED CONSTRUCTION ON ARCADIA AVENUE BEGINS AT GRANT ROAD AND ENDS AT EASTLAND STREET FOR A TOTAL OF 2.77 MILES. PROPOSED CONSTRUCTION ON TIMROD STREET BEGINS AT ALVERNON WAY AND ENDS AT CRAYCROFT ROAD FOR A TOTAL OF 2.37 MILES. NEW ROADWAY IMPROVEMENTS INCLUDE TRAFFIC CALMING, BIKEHAWKS AND PAVEMENT MARKING IMPROVEMENTS.



TIMROD BIKE BOULEVARD



RECORD DOCUMENT
 DATED:

Constructed by:

Construction Company

Completion Date

Red-Lines by:

Construction Administrator Name & Company

Completion Date

Record Document by:

As-Built Designer Name & Company

Completion Date

ORIGINAL SIZE 24"x36"
 DO NOT SCALE
 A REDUCED SIZE

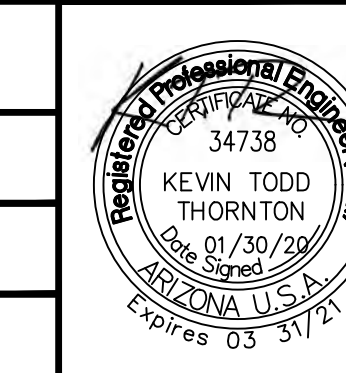


INDEX OF SHEETS

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21-26	HZ 1-6	Horizontal Control Sheets
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RWRD UPC-2019-045

NO.	DATE	REVISION	BY



DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

ARCADIA AND TIMROD BICYCLE BOULEVARDS
 GRANT ROAD TO EASTLAND ST AND ALVERNON WAY TO CRAYCROFT RD

Cover Sheet

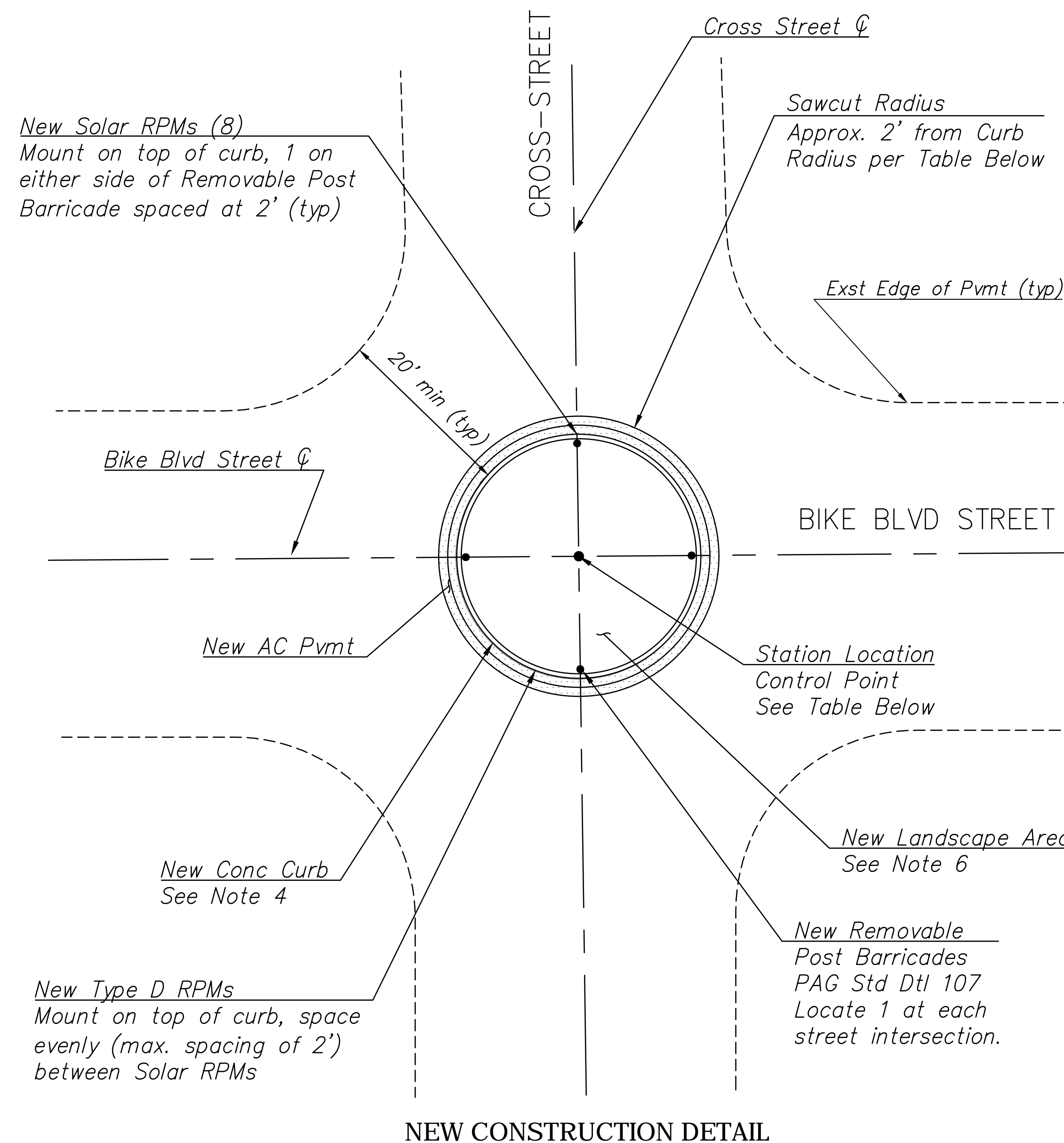
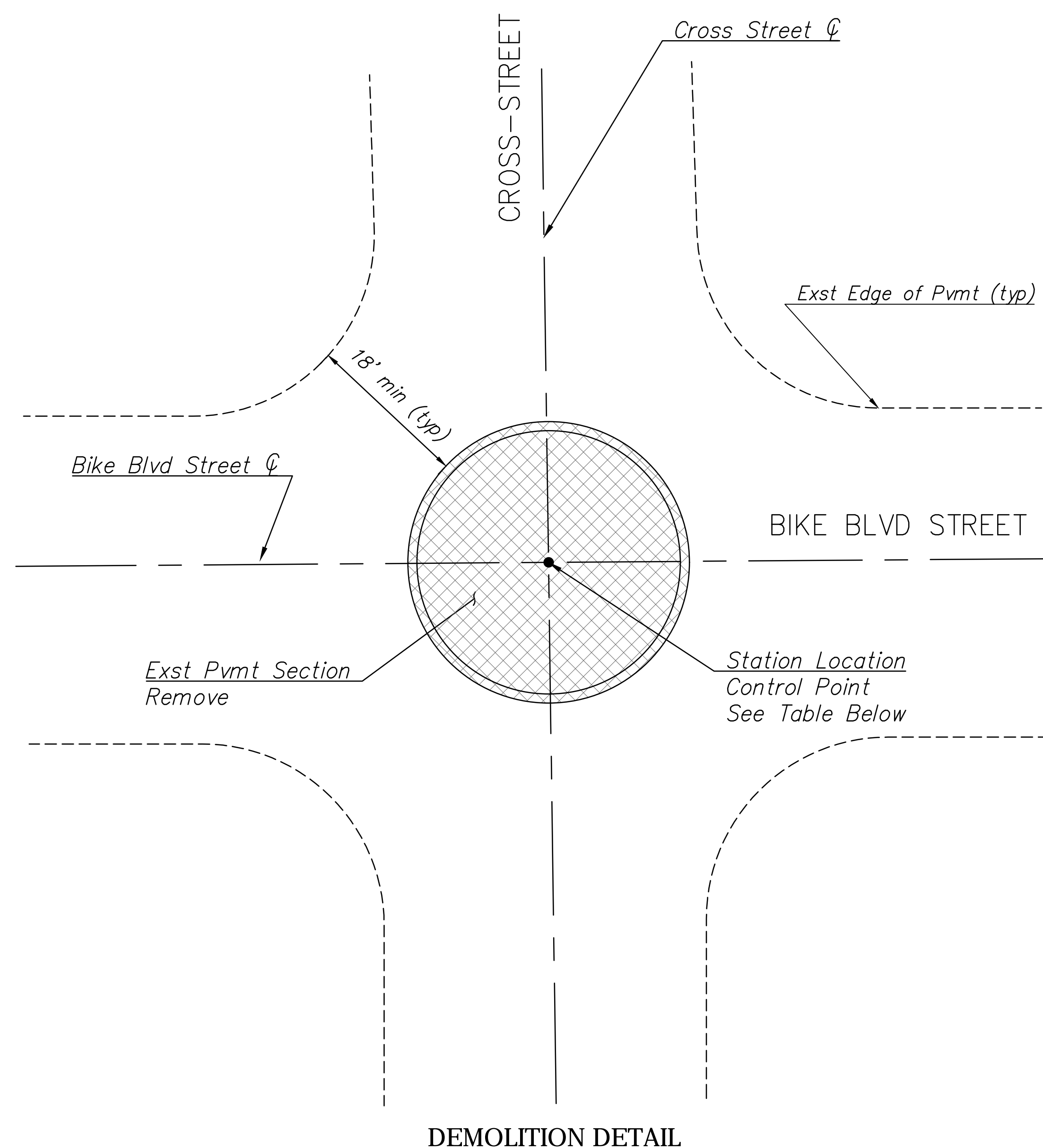
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DESIGN SECTION/PERMITS AND CODES				1
TRAFFIC ENGINEERING				80
STREETS AND TRAFFIC MAINTENANCE				
ENGINEERING LANDSCAPE ARCH				
ENGINEERING ADMINISTRATOR				

TRANSPORTATION DIRECTOR

REF. _____ SCALE: 1"=600'

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Notes:

1. The contractor shall protect in place the existing sanitary sewer manhole if present. No adjustment shall be necessary since traffic circles will be installed at existing grade. Manholes shall be reset and a round concrete collar shall be installed per PCRWRD Detail 212. Concrete collars will be paid for under Item 5090110, Sewer Manhole Adjustment. See Landscape Sheets for additional information.
2. The contractor shall protect in place the existing survey monument if present. If monument present, grade 3:1 slopes around concrete foundation. All work regarding survey monuments shall be directed and approved by the Engineer and a City of Tucson Surveyor is present to guide the work. Any work necessary to protect in place or adjust the survey monuments will be paid for under Item 9300110, Miscellaneous Work 1 (Survey Monuments).
3. Removal of existing pavement will be included in the cost of Item 2020001, Removal of Structures and Obstructions. Sawcutting will be considered incidental to the removal cost.
4. New concrete curb shall be header curb or vertical curb depending on location (see table below). The Engineer may modify the concrete curb application depending on field conditions. Concrete Header Curb, PAG Std Dtl 213, will be paid for under Item 9080402, Concrete Header. Concrete Vertical Curb, PAG Std Dtl 209 (Type 2), shall have a 4" reveal and will be paid for under Item 9080005, Concrete Curb (Std Dtl 209) (Type 2).
5. New AC Pvmt and new RPMs (Type D and Solar) will be considered incidental and included in the cost of the item. New AC Pvmt shall be Mix No. 2 (Terminal Mix).
6. Traffic Circles TC-08 and TC-09 shall be constructed as decorative concrete with exposed aggregate and integral color. Concrete shall be 6" thick. The center of the circles shall be 1 inch higher than the concrete header curb encompassing the circles. See Special Provisions for additional information. These two circles shall be paid for under Item 9310006, Decorative Concrete Pavement.
7. Removable post barricades as described in the PAG standard detail 107 will be measured and paid for under Item 9340011, Removable Post Barricade (Std Dtl 107).

TRAFFIC CIRCLES SUMMARY TABLE

ID #	Bike Blvd Street	Cross Street	Diameter (ft)	Curb Type	Curb Length	Station	Offset (ft)	Northing	Easting	MH ID #	Survey Monument	Post Barricades	Notes
TC-01	Arcadia	Fairmount	27	vertical	85 LF	139+34	2 Rt	452,504.68	1,017,936.58	-	1	4	
TC-02	Arcadia	Baker	23	header	72 LF	175+72	0	448,867.13	1,017,993.93	8842-07	2	4	
TC-03	Niven	12th	38	header	119 LF	211+94	1 Rt	445,475.22	1,018,364.38	8864-05	1	4	
TC-04	Niven	Scarlett	38	header	119 LF	221+37	0	444,543.92	1,018,471.94	8864-11	1	4	
TC-05	Niven	Cecelia	38	header	119 LF	227+55.5	1.5 Rt	443,928.27	1,018,447.24	8864-15	-	4	
TC-06	Niven	Winsett	36	header	113 LF	234+49	3 Rt	443,243.60	1,018,492.90	8859-03	-	4	
	Winsett	Niven				280+69	3 Rt						
TC-07	Niven	Montecito	18	header	57 LF	240+20	2 Rt	442,676.17	1,018,541.37	5550-02	-	4	
TC-08	Timrod	Irving	22	header	69 LF	213+52	4 Rt	443,813.49	1,012,803.45	-	-	4	See Note 6
TC-09	Timrod	Bryant	24	header	75 LF	220+10	5 Rt	443,817.45	1,013,461.44	-	1	4	See Note 6

- Remove Exst Pvmt
- New AC Pvmt Patch per PAG 216, Type 2. AC shall be Mix No. 2 (Terminal Mix).

DETAIL A

Sheet 1 of 1
Traffic Circle

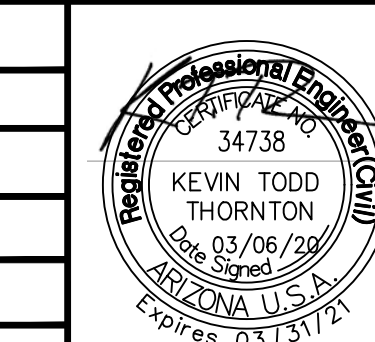
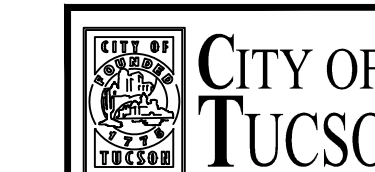
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Federal Project No. TAP-TUC-0(264)D DT01 of DT17

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ARCADIA AND TIMROD BICYCLE BOULEVARDS
GRANT ROAD TO EASTLAND ST AND ALVERNON WAY TO CRAYCROFT RD

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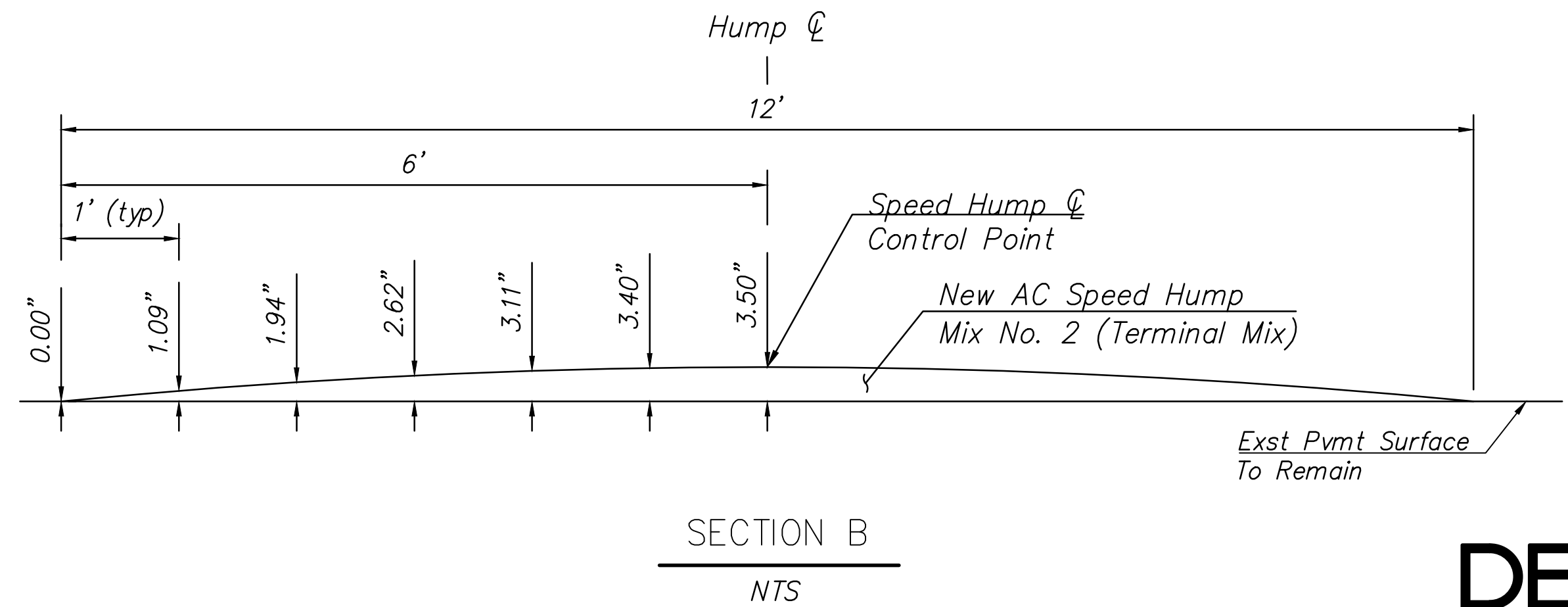
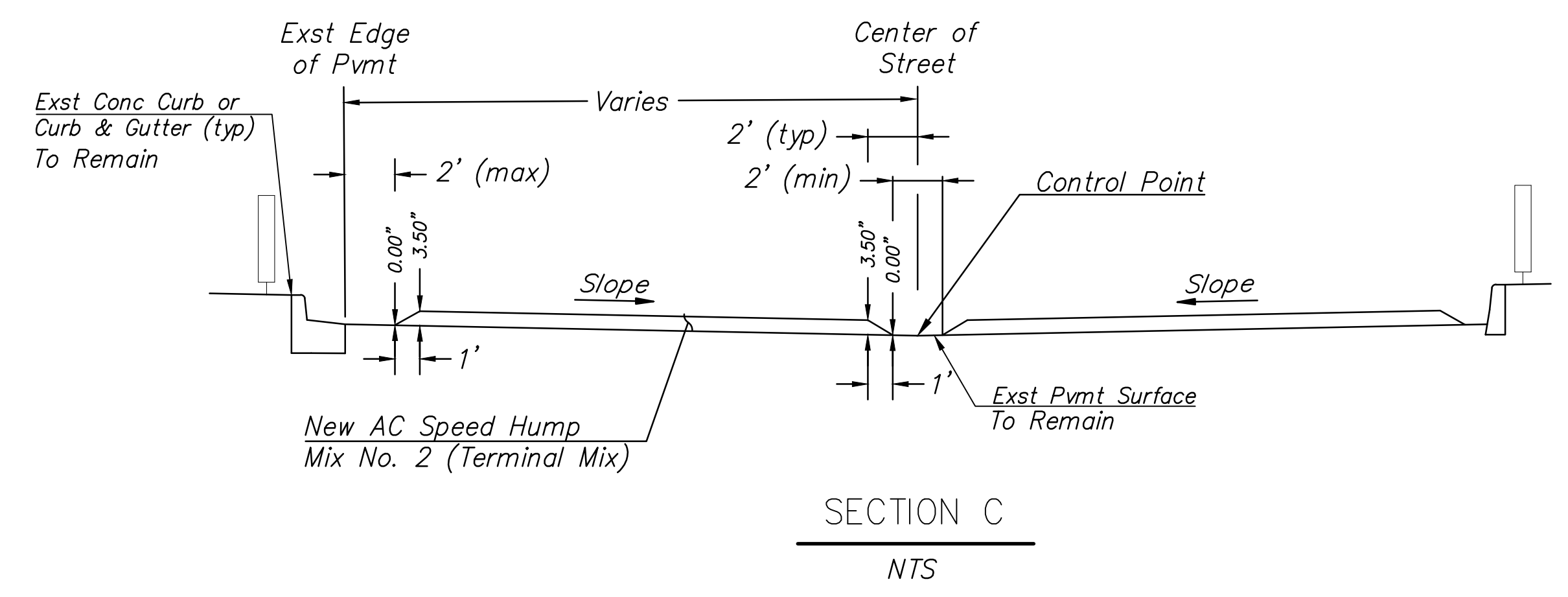
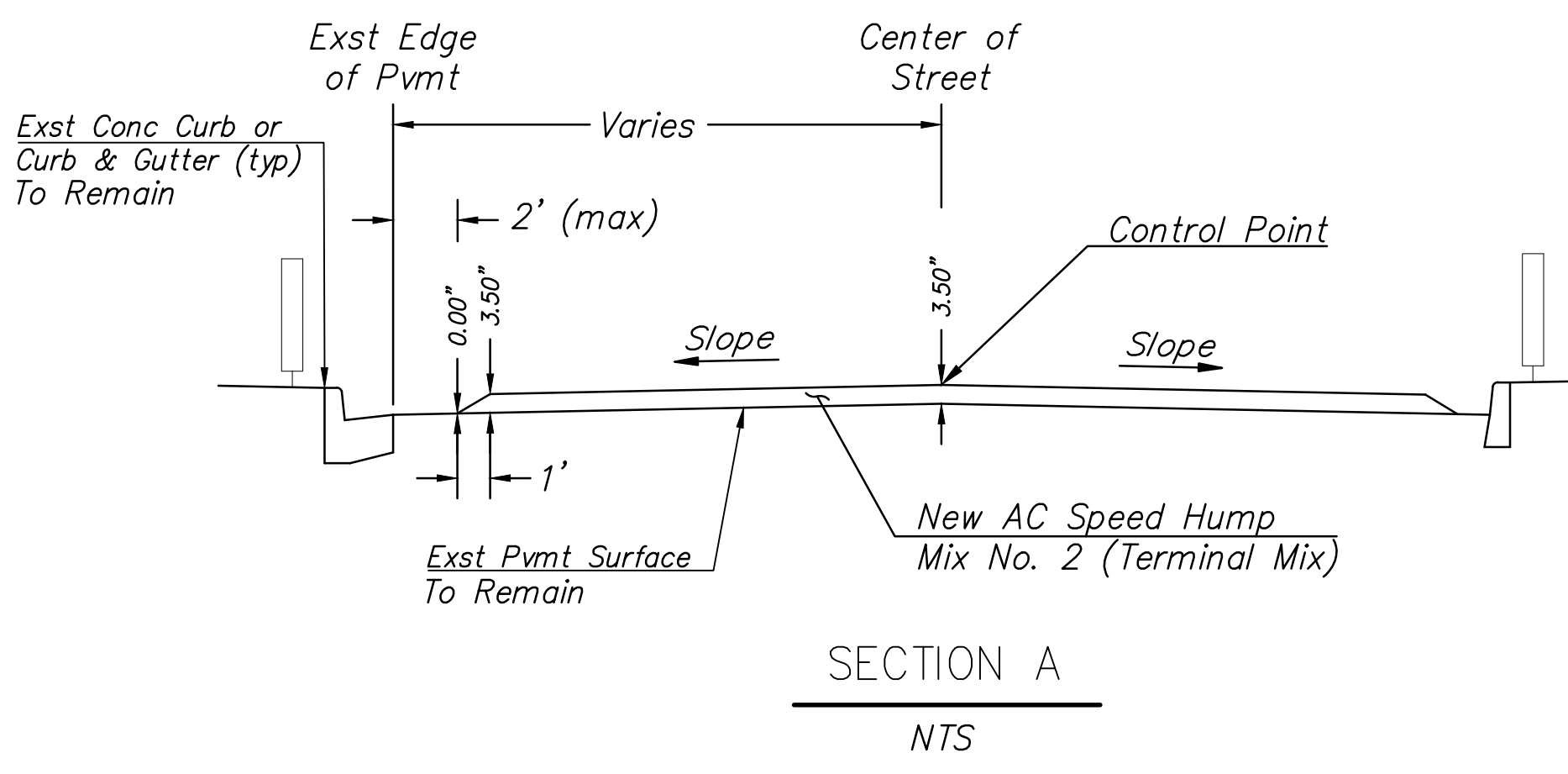
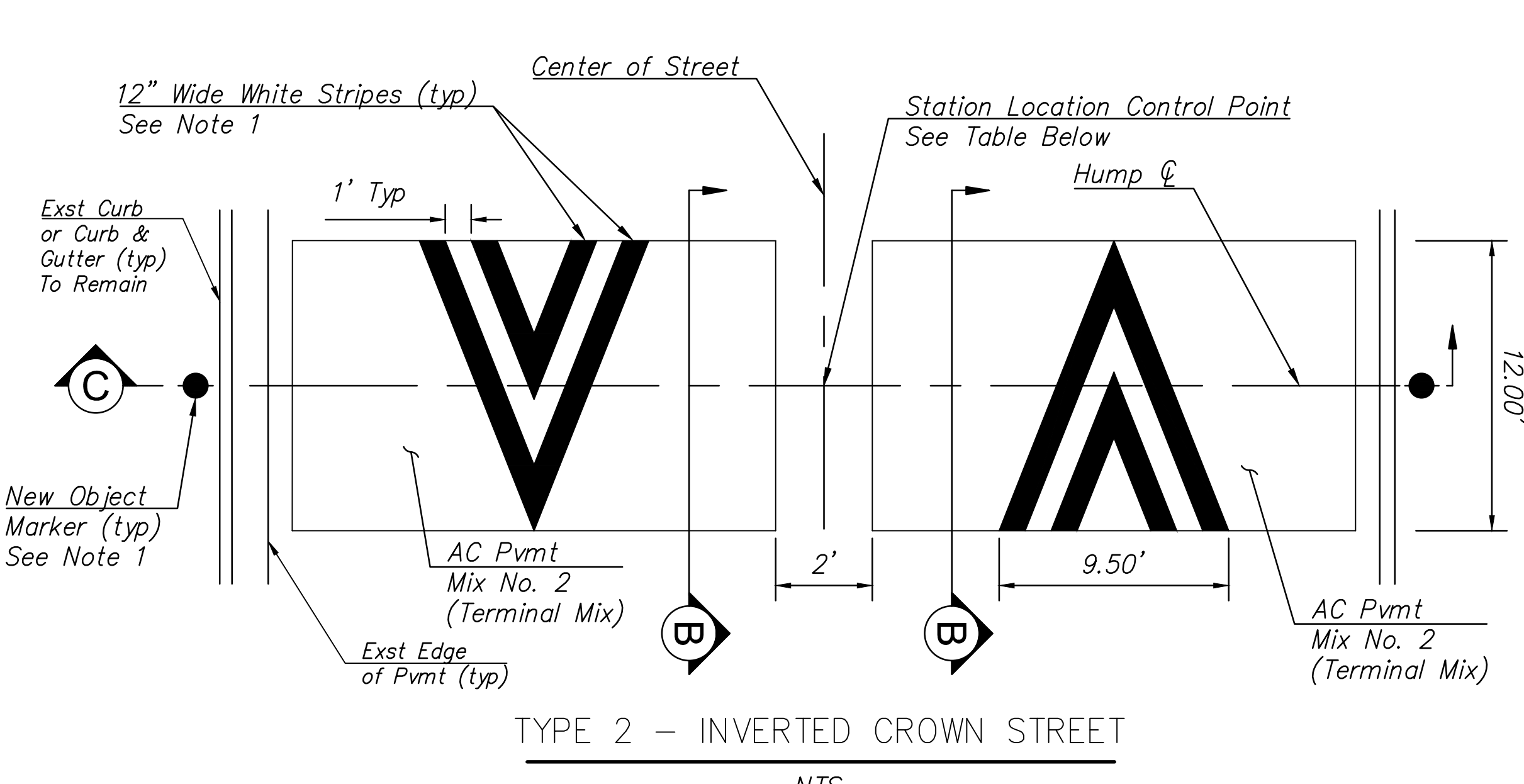
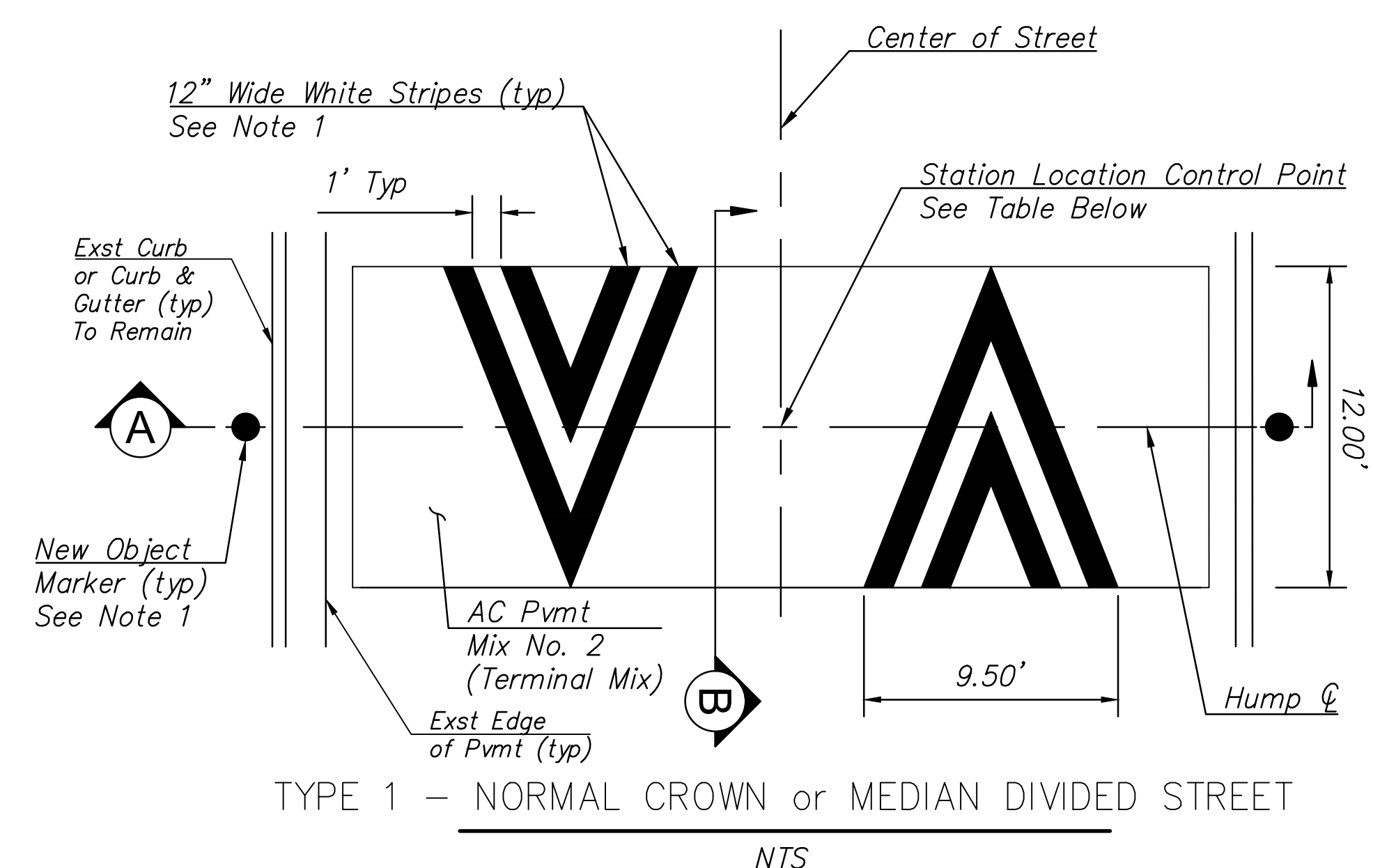
NO.	DATE	REVISION	BY	CHKD.	APPR.

Approvals	Signatory	Date	Approved	20

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Notes:

- For additional information, see detail per PC/COT Pavement Marking Design Manual Sheet No. 5-18-1. Object markers are considered incidental to the cost of the speed humps. RPMs and types shall be located and placed per Sheet No. 5-18-1.
- The types of speed humps shown in the table below and on the plan sheets may be modified per the direction of the Engineer depending on existing conditions. There will be no pay adjustment for the modification of type installed.
- Mix No. 2 (Terminal Mix) shall be used for asphaltic concrete speed hump(s).
- Speed hump heights are provided as a maximum.
- Center speed hump(s) within the roadway for both Type 1 and Type 2 Speed Humps.
- Speed Humps will be measured and paid for under Item 4060200, Asphaltic Concrete (Speed Hump), on a per each (EA) basis. Pavement Markings (striping and RPMs) and Delineators per Std Dtl 5-18-1 shall be considered incidental and included in the cost of the item.

SPEED HUMPS							
ID #	Bike Blvd	Near Cross Street	Station	Offset (ft)	Type	Northing	Easting
SH-01	Arcadia	Edison	105+53	1 Rt	2	455,885.26	1,017,883.26
SH-02	Arcadia	Waverly	117+00	1 Rt	2	454,738.38	1,017,899.88
SH-03	Arcadia	Lester	124+50	0	2	453,988.46	1,017,912.94
SH-04	Arcadia	Bellevue	145+40	1 Rt	1	451,898.77	1,017,946.76
SH-05	Arcadia	3rd	170+00	2 Rt	2	449,439.05	1,017,984.25
SH-06	Arcadia	5th	182+25	3 Rt	1	448,234.26	1,018,054.13
SH-07			6 Lt	1	448,234.61	1,018,063.12	
SH-08	Arcadia	8th	188+50	3 Rt	1	447,609.65	1,018,075.89
SH-09			4 Lt	1	447,609.89	1,018,082.88	
SH-10	Arcadia	9th	196+00	4 Rt	1	446,862.43	1,018,123.11
SH-11			2 Lt	1	446,862.67	1,018,130.15	
SH-12	Arcadia	Broadway	201+50	4 Rt	1	446,312.95	1,018,132.32
SH-13			2 Lt	1	446,313.19	1,018,139.32	
SH-14			Niven	Melissa	231+57	70 Rt	1
SH-15	Niven	17th	238+48	1 Rt	1	442,844.84	1,018,507.61
SH-16	Niven	18th	244+00	1 Rt	1	442,301.74	1,018,589.23

DETAIL B

Sheet 1 of 1
Speed Hump

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Federal Project No. TAP-TUC-0(264)D DT02 of DT17

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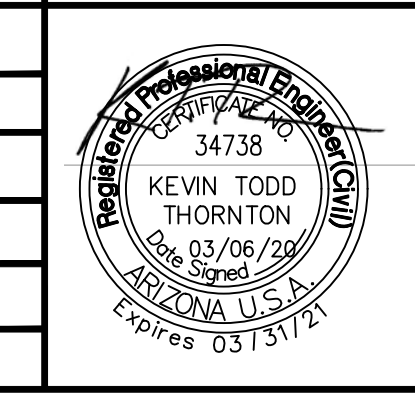
ARCADIA AND TIMOR BIKE BOULEVARDS
GRANT ROAD TO EASTLAND ST AND ALVERN WAY TO CRAWCROFT RD

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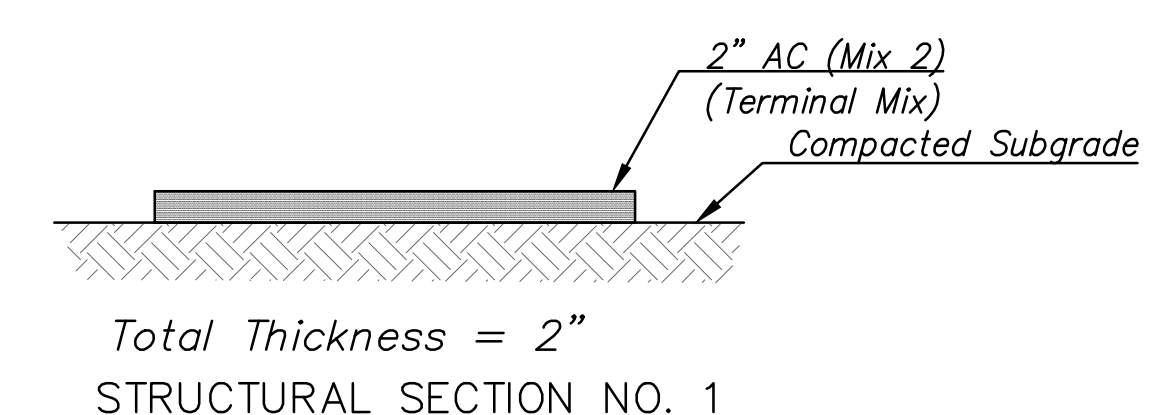
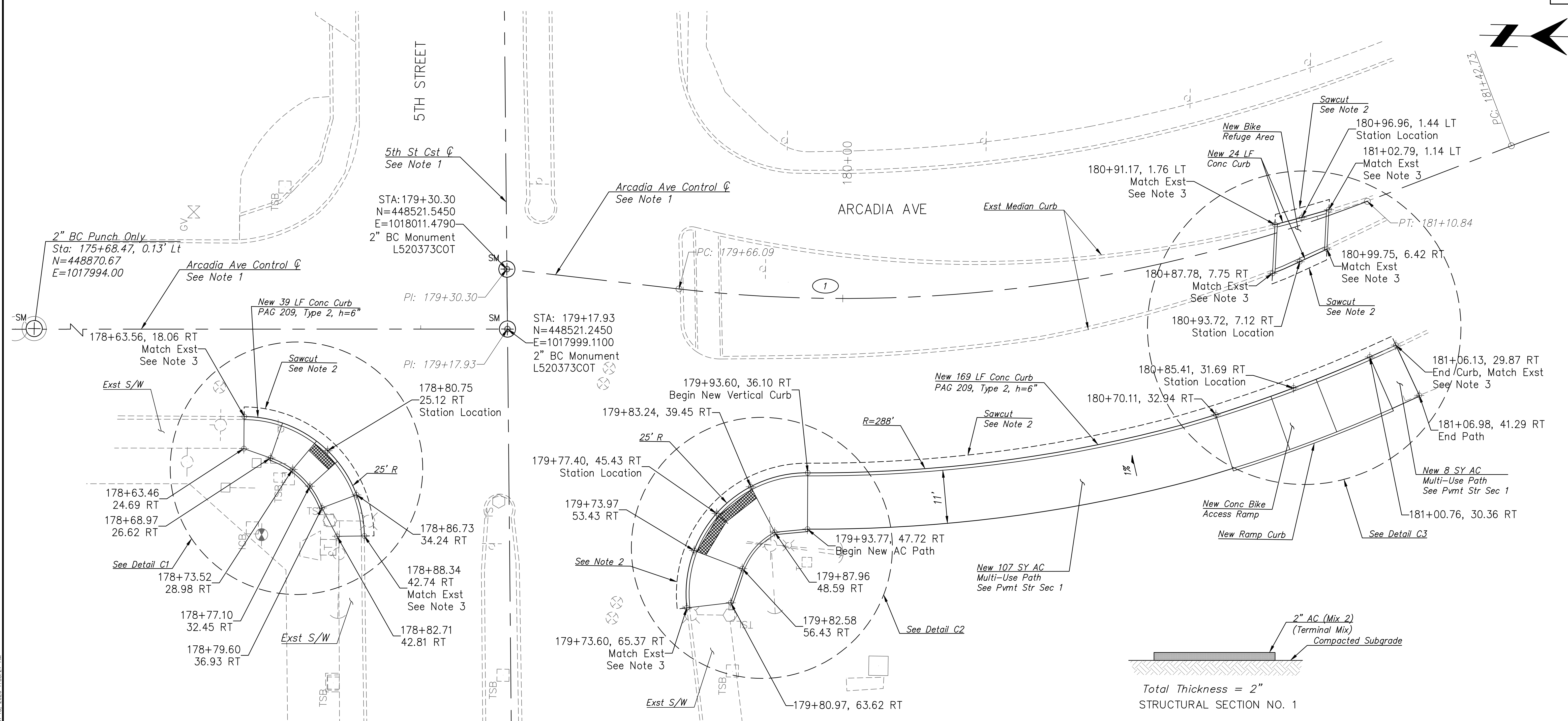
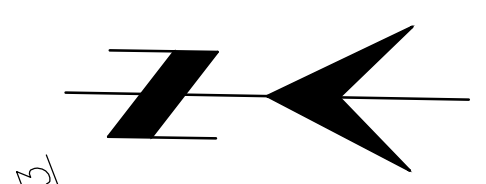
Approvals	Signatory	Date	Approved	5 OF 80

TRANSPORTATION DIRECTOR

REF. SCALE: U-2018-011

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INTERSECTION DETAIL

Curve Table: Alignments

Curve #	Length	Radius	Delta	Tangent
C1	144.75	300.00	27.6454	73.81

REMOVAL ITEMS:
Misc. Concrete - 419 SF
Conc. Curb - 230 LF
Bit. Pavement - 210 SY

NEW ITEMS:
Concrete Curb - 232 LF
Concrete Sidewalk - 91 SF
AC Path - 115 SY
Access Ramps - 836 SF
Median Ramps - 78 SF

- NOTES:**
- Stations and offsets are based on the Arcadia Ave Survey Control Cst \mathcal{C} as described on the Horizontal Control Sheets and the Bike Blvd Plan Sheets.
 - Sawcut 2' of pavement around existing curb and curb ramps to construct new curb and curb access ramps. Replace AC with Mix No. 2 (Terminal Mix) per PAG 216, Type 2. Replacement of the AC will be paid for under Item 90800005, Concrete Curb (PAG Std Dtl 209) (Type 2).
 - Sawcutting of the existing sidewalk, curb, and pavement shall be considered incidental to the cost of the project. Trim, tack and join new and exst AC, match sidewalk per PAG 203 and curb per PAG 211.
 - Removal of miscellaneous concrete and and bituminous pavement shall be included in the cost of Item 2020001, Removal of Structures and Obstructions.
 - See PAG 200 for joint requirements. Sidewalk will be paid for under Item 9080201, Concrete Sidewalk.
 - Depressed curb and curb transitions will be measured and paid for under Item 9080005, Concrete Curb (PAG Std Dt. 209) (Type 2). Concrete Vertical Curb shall use h=6".
 - Curb access ramps will be paid for under Item 9080288, Curb Access Ramp. Median refuge ramps will be paid for under Item 9080289, Curb Access Ramp (Median). If ramp curb is deemed necessary by the Engineer, it shall be considered incidental to the cost of the item. Ramp curb shall be 6"x12" and shall extend to the bottom of the adjacent concrete sidewalk and access ramp.
 - The cost of the AC Multi-Use Path will be paid for under Item 4060008, Asphaltic Concrete (Miscellaneous Paving).
 - See Details C1, C2, and C3 for additional access ramp information.

DETAIL C

Sheet 1 of 3
5th St & Arcadia Ave

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Federal Project No. TAP-TUC-0(264)D DT03 of DT17

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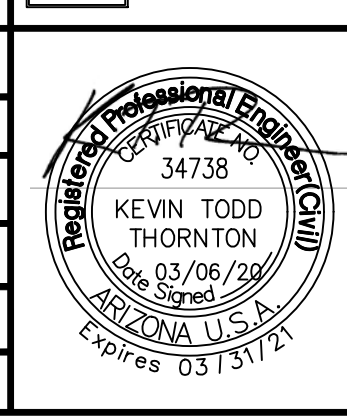
ARCADIA AND TIMROD BICYCLE BOULEVARDS
GRANT ROAD TO EASTLAND ST AND ALVERNON WAY TO CRAYCROFT RD

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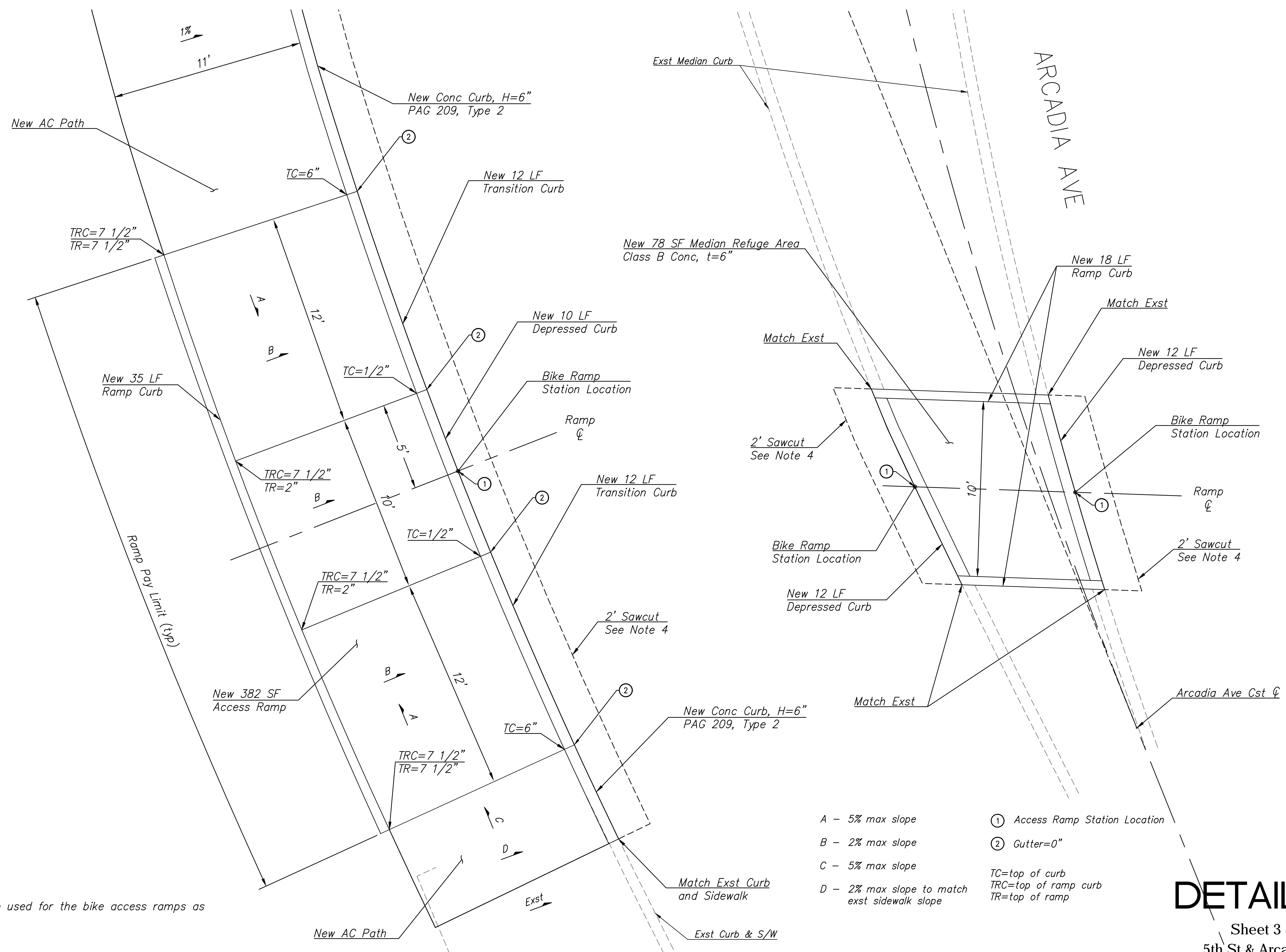
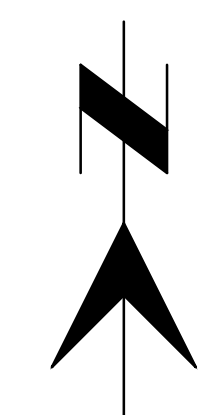
Approvals	Signatory	Date	Approved	20

TRANSPORTATION DIRECTOR

REF. SCALE: U-2018-011

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Notes:

1. Detectable Warning Strips shall not be used for the bike access ramps as shown above.
2. See PAG 200 for joint requirements.
3. For design elements not shown in the detail, refer to PAG 207 (Type 3), Sheet 6 of 10 for sidewalk ramp and PAG 207 (Type 2), Sheet 9 of 10, for median refuge area.
4. See Detail C for location and configuration of sidewalk and curb. Sawcutting of the existing sidewalk, curb and pavement shall be considered incidental to the cost of the project.
5. Depressed curb and curb transitions for ramps will be measured and paid for under Item 9080005, Concrete Curb (PAG Std Dtl 209) (Type 2). See PAG 209 for depressed curb dimensions. Concrete Vertical Curb shall be PAG 209, Type 2, h=6".
6. Curb bike access ramps will be paid for under Item 9080288, Curb Access Ramp. Median refuge ramp will be paid for under Item 9080289, Curb Access Ramp (Median).

CURB BIKE ACCESS RAMP & MEDIAN REFUGE DETAIL

- A - 5% max slope
- B - 2% max slope
- C - 5% max slope
- D - 2% max slope to match exst sidewalk slope
- ① Access Ramp Station Location
- ② Gutter=0"
- TC=top of curb
- TRC=top of ramp curb
- TR=top of ramp

DETAIL C3

Sheet 3 of 3
5th St & Arcadia Ave

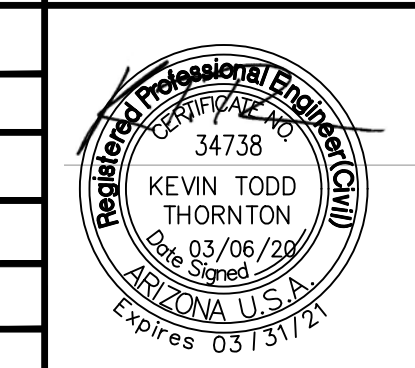
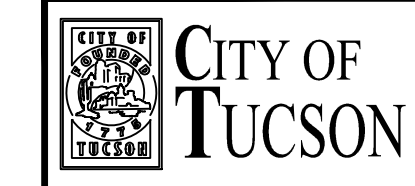
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Federal Project No. TAP-TUC-0(264)D DT05 of DT17

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ARCADIA AND TIMROD BICYCLE BOULEVARDS
GRANT ROAD TO EASTLAND ST AND ALVERNON WAY TO CRAWCROFT RD

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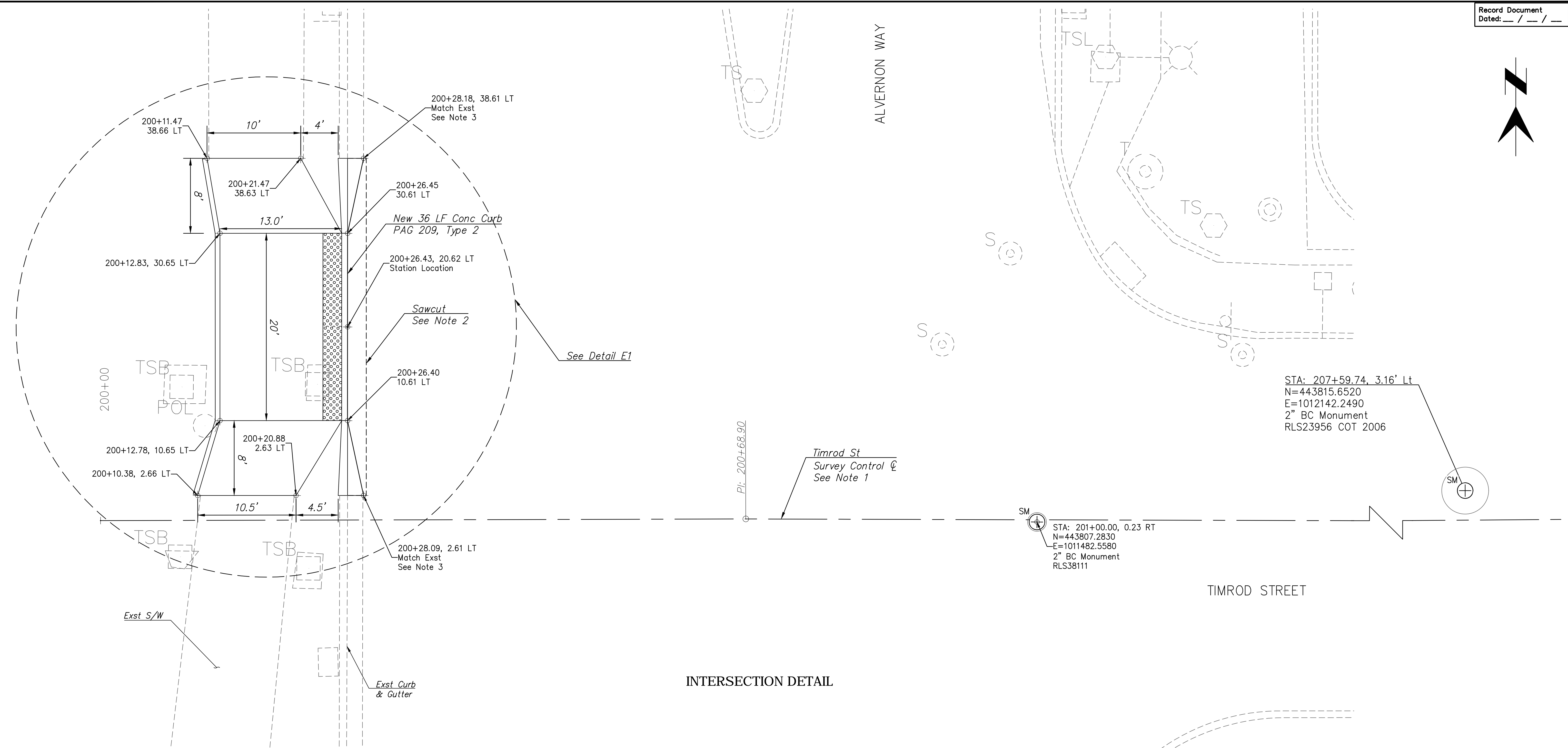
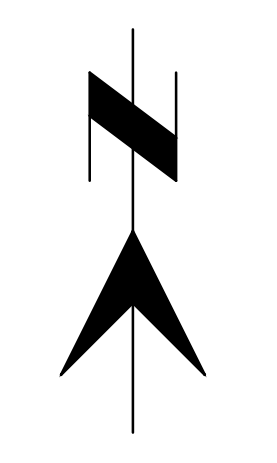


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8 OF 80
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INTERSECTION DETAIL

NOTES:

- Stations and offsets are based on the Timrod St Survey Control Cst \odot as described on the Horizontal Control Sheets and the Bike Blvd Plan Sheets.
- Sawcut 2' of pavement around existing curb and curb ramps to construct new curb and curb access ramps. Replace AC with Mix No. 2 (Terminal Mix) per PAG 216, Type 2. Replacement of the AC will be paid for under Item 9080005, Concrete Curb (PAG Std Dtl 209) (Type 2).
- Sawcutting of the existing sidewalk, curb, and pavement shall be considered incidental to the cost of the project. Trim, tack and join new and exst AC, match sidewalk per PAG 203 and curb per PAG 211.
- Removal of miscellaneous concrete and and bituminous pavement shall be included in the cost of Item 2020001, Removal of Structures and Obstructions.
- See PAG 200 for joint requirements. Sidewalk will be paid for under Item 9080201, Concrete Sidewalk.
- Depressed curb and curb transitions will be measured and paid for under Item 9080005, Concrete Curb (PAG Std Dtl 209) (Type 2). Concrete Vertical Curb shall use $h=6"$.
- The access ramp will be paid for under Item 9080288, Curb Access Ramp. If ramp curb is deemed necessary by the Engineer, it shall be considered incidental to the cost of the item. Ramp curb shall be 6"x12" and shall extend to the bottom of the adjacent concrete sidewalk and access ramp.
- See Detail E1 for additional access ramp information.

REMOVAL ITEMS:

- Conc. Curb - 36 LF
- Bit. Pavement - 40 SY

NEW ITEMS:

- Concrete Curb - 36 LF
- Access Ramps - 445 SF

DETAIL E

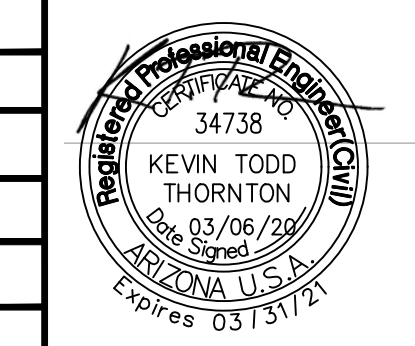
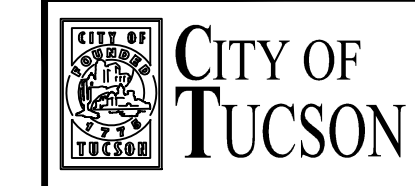
Timrod St & Alvernon Way
Sheet 1 of 2

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Federal Project No. TAP-TUC-0(264)D DT09 of DT17

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ARCADIA AND TIMROD BICYCLE BOULEVARDS
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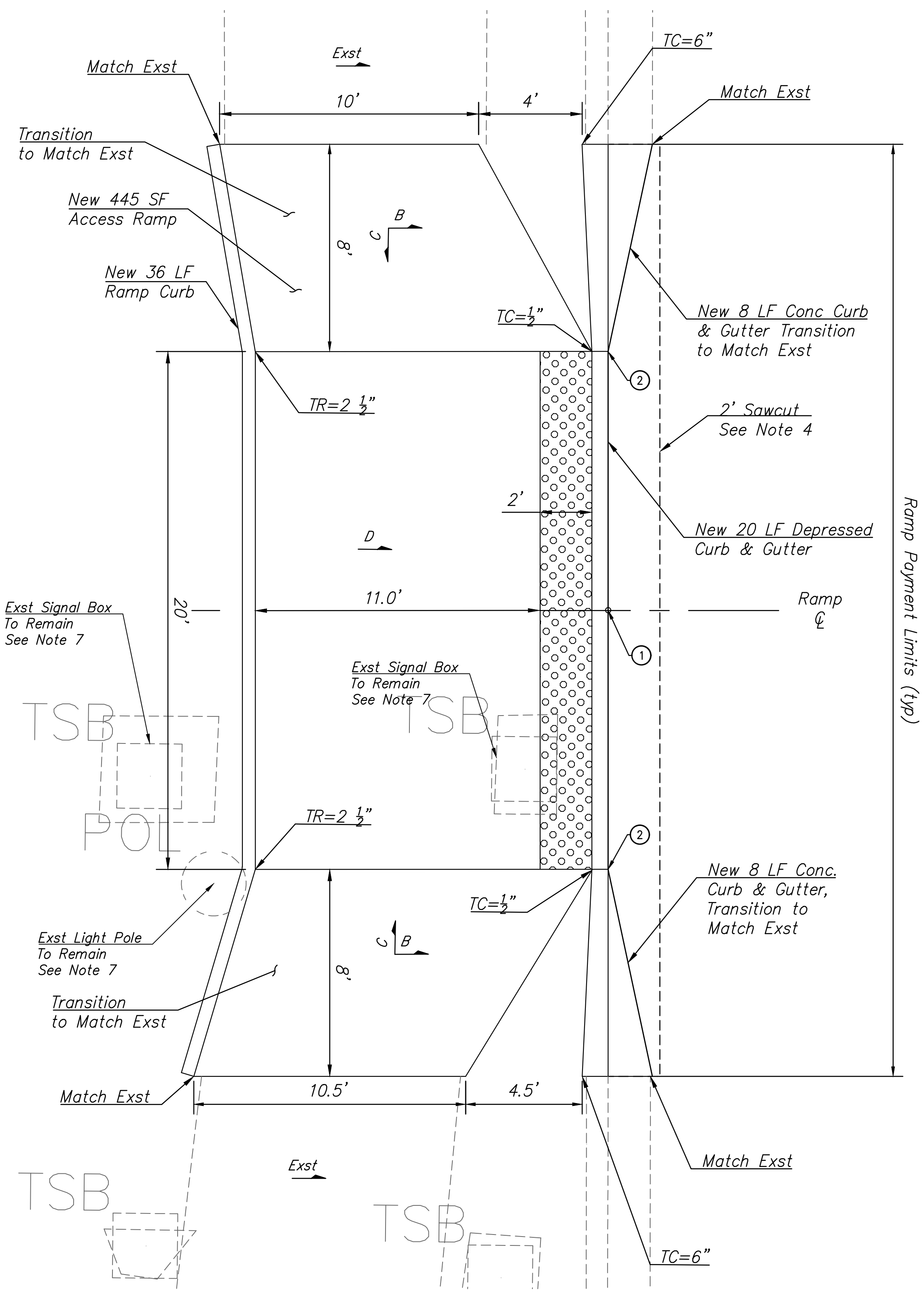
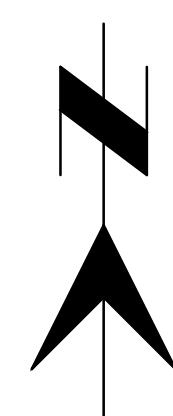
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Approvals	Signatory	Date

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12 OF 80
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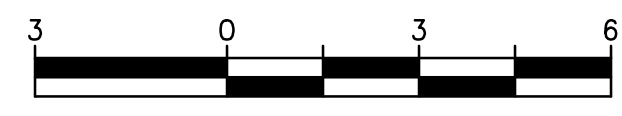
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- A - NA
- B - 2% max slope to match ext sidewalk slope.
- C - 12:1 max slope.
- D - 2% max slope.
- ① Access Ramp Station Location
- ② Gutter=0"
- TC=top of curb
TR=top of ramp

- Notes:
1. See PAG 207, Sheet 10 of 10, for information regarding Detectable Warning Strips.
 2. See PAG 200 for joint requirements. Sidewalk will be paid for under Item 9080201, Concrete Sidewalk.
 3. For design elements not shown in the detail, refer to PAG 207 (Type 3), Sheet 6 of 10.
 4. See Detail E for location and configuration of sidewalk and curb. Sawcutting of the existing sidewalk, curb and pavement shall be considered incidental to the cost of the project.
 5. Depressed curb and curb transitions will be measured and paid for under Item 9080005, Concrete Curb (PAG Std Dtl 209) (Type 1). See PAG 209 for depressed curb dimensions.
 6. The curb access ramp will be paid for under Item 9080288, Curb Access Ramp. If ramp curb is deemed necessary by the Engineer, it shall be considered incidental to the cost of the item. Ramp curb shall be 6"x12" and shall extend to the bottom of the adjacent concrete sidewalk and access ramp.
 7. Existing traffic signal boxes shall be protected in place and/or reset to the concrete finished grade of the ramp. Cost to protect in place and/or reset the box will be considered incidental to the cost of the ramp. The existing light pole shall be protected in place. The ramp shall be constructed around the existing light pole as necessary and per the direction of the Engineer. The cost to protect in place the pole will be considered incidental to the cost of the ramp.

W ACCESS RAMP DETAIL



DETAIL E1

Timrod St & Alvernon Way
Sheet 2 of 2

ADOT TRACS No. 0000 PM TUC T0129 01C
Federal Project No. TAP-TUC-0(264)D DT10 of DT17

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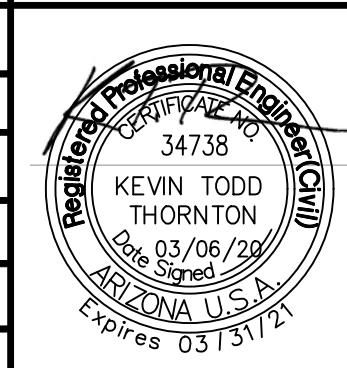


DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

ARCADIA AND TIMROD BICYCLE BOULEVARDS
GRANT ROAD TO EASTLAND ST AND ALVERNON WAY TO CRAYCROFT RD

Detail Sheets

NO.	DATE	REVISION	BY	CHKD.	APPR.



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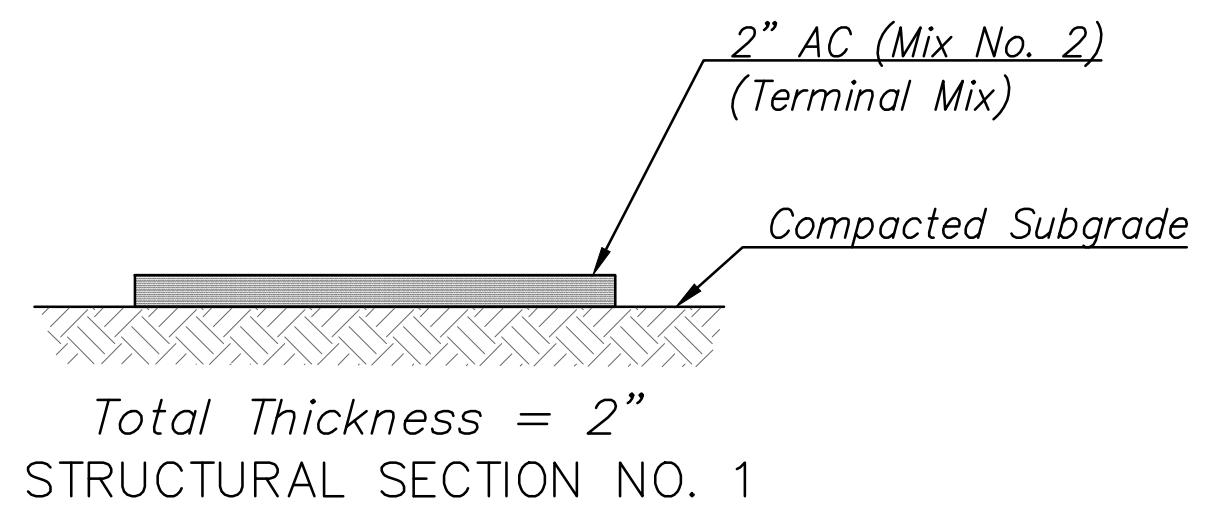
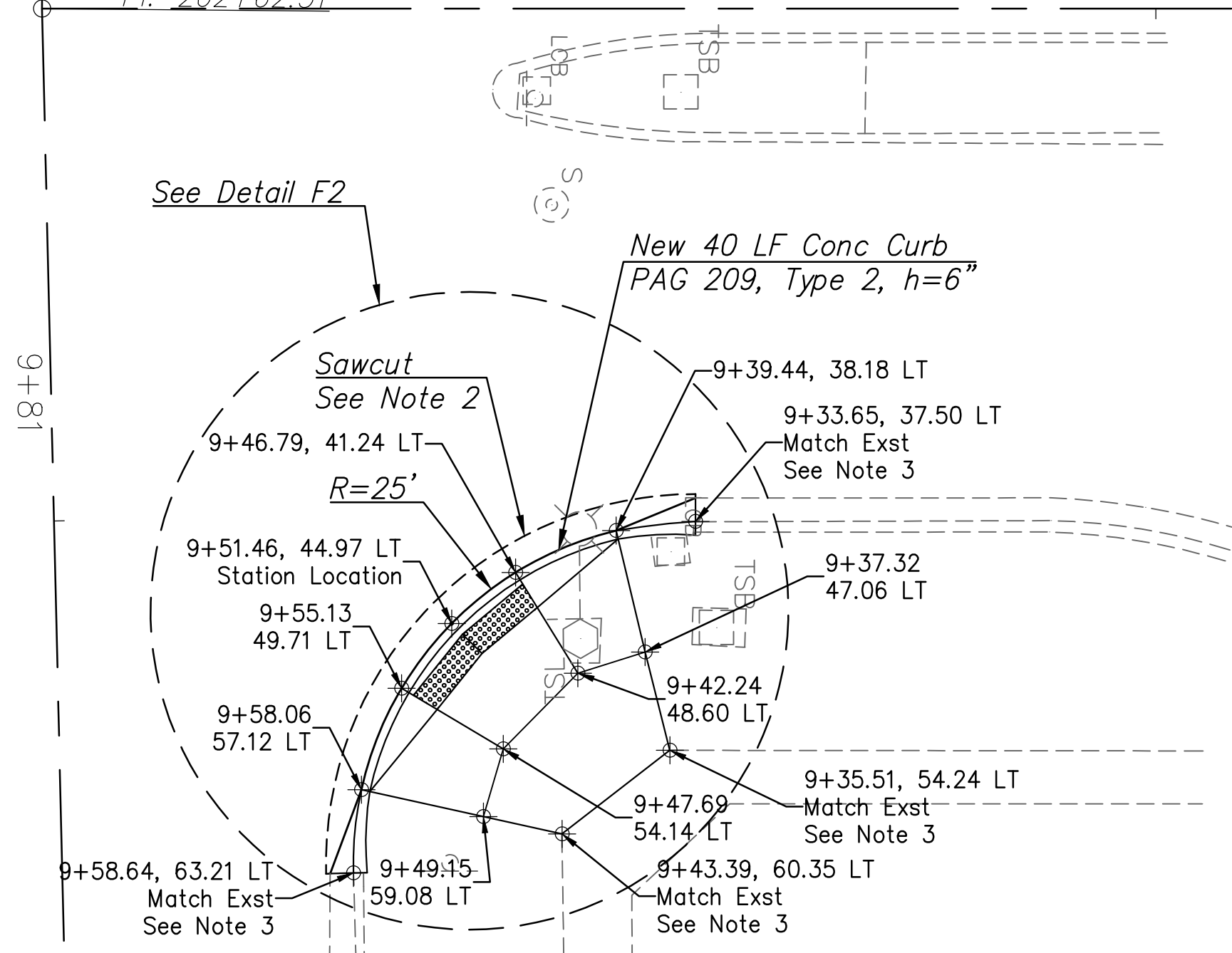
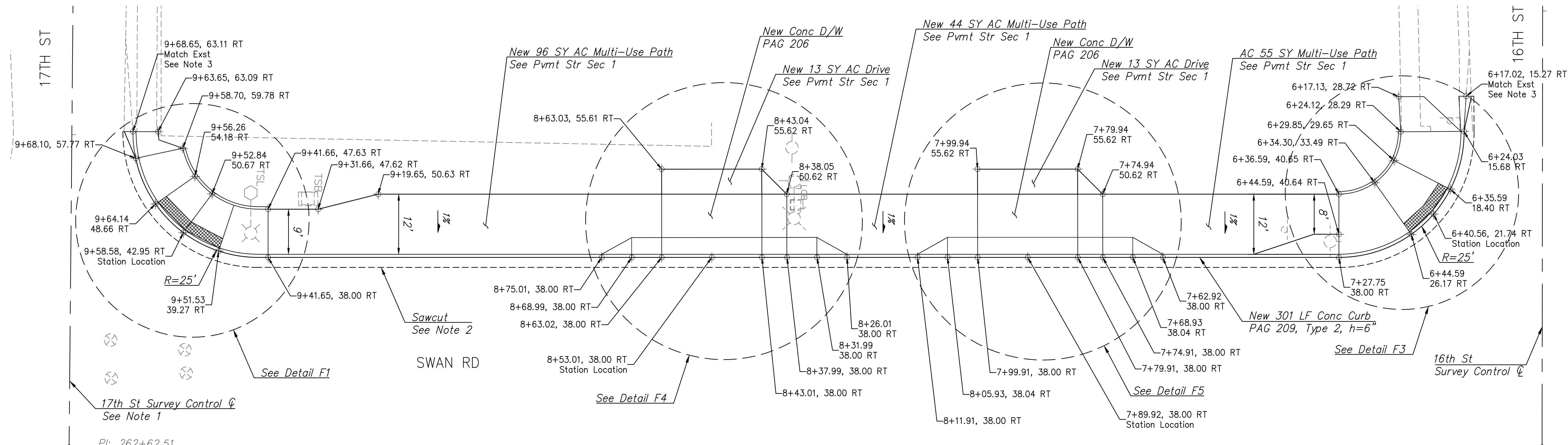
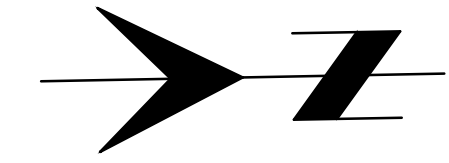
TRANSPORTATION DIRECTOR

REF. SCALE: U-2018-011

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INTERSECTION DETAIL

- REMOVAL ITEMS:**
 Misc. Concrete - 169 SF
 Conc. Curb - 341 LF
 Bit. Pavement - 78 SY
- NEW ITEMS:**
 Concrete Curb - 341 LF
 Concrete Sidewalk - 193 SF
 AC Path - 221 SY
 Access Ramps - 792 SF
 Concrete Driveways - 726 SF

- NOTES:**
- Stations and offsets are based on the Timrod St Survey Control Cst ϕ as described on the Horizontal Control Sheets and the Bike Blvd Plan Sheets.
 - Sawcut 2' of pavement around existing curb and curb ramps to construct new curb and curb access ramps. Replace AC with Mix No. 2 (Terminal Mix) per PAG 216, Type 2. Replacement of the AC will be paid for under Item 90800005, Concrete Curb (PAG Std Dtl 209) (Type 2).
 - Sawcutting of the existing sidewalk, curb, and pavement shall be considered incidental to the cost of the project. Trim, tack and join new and exst AC, match sidewalk per PAG 203 and curb per PAG 211.
 - Removal of miscellaneous concrete and and bituminous pavement shall be included in the cost of Item 2020001, Removal of Structures and Obstructions.
 - See PAG 200 for joint requirements. Sidewalk will be paid for under Item 9080201, Concrete Sidewalk.

- NOTES (cont):**
- Depressed curb and curb transitions will be measured and paid for under Item 9080005, Concrete Curb (PAG Std Dtl 209) (Type 2). Concrete Vertical Curb shall use h=6".
 - The access ramps will be paid for under Item 9080288, Curb Access Ramp. If ramp curb is deemed necessary by the Engineer, it shall be considered incidental to the cost of the item. Ramp curb shall be 6"x12" and shall extend to the bottom of the adjacent concrete sidewalk and access ramp.
 - The AC Multi-Use Path will be paid for under Item 4060008, Asphaltic Concrete (Miscellaneous Paving).
 - Driveways will be paid for under Item 9080301, Concrete Driveway Apron.
 - See Details F1, F2, F3, F4, and F5 for additional access ramp information.

DETAIL F

17th St & Swan Rd
Sheet 1 of 4

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DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

ARCADIA AND TIMROD BICYCLE BOULEVARDS
GRANT ROAD TO EASTLAND ST AND ALVERNON WAY TO CRAYCROFT RD

Detail Sheets

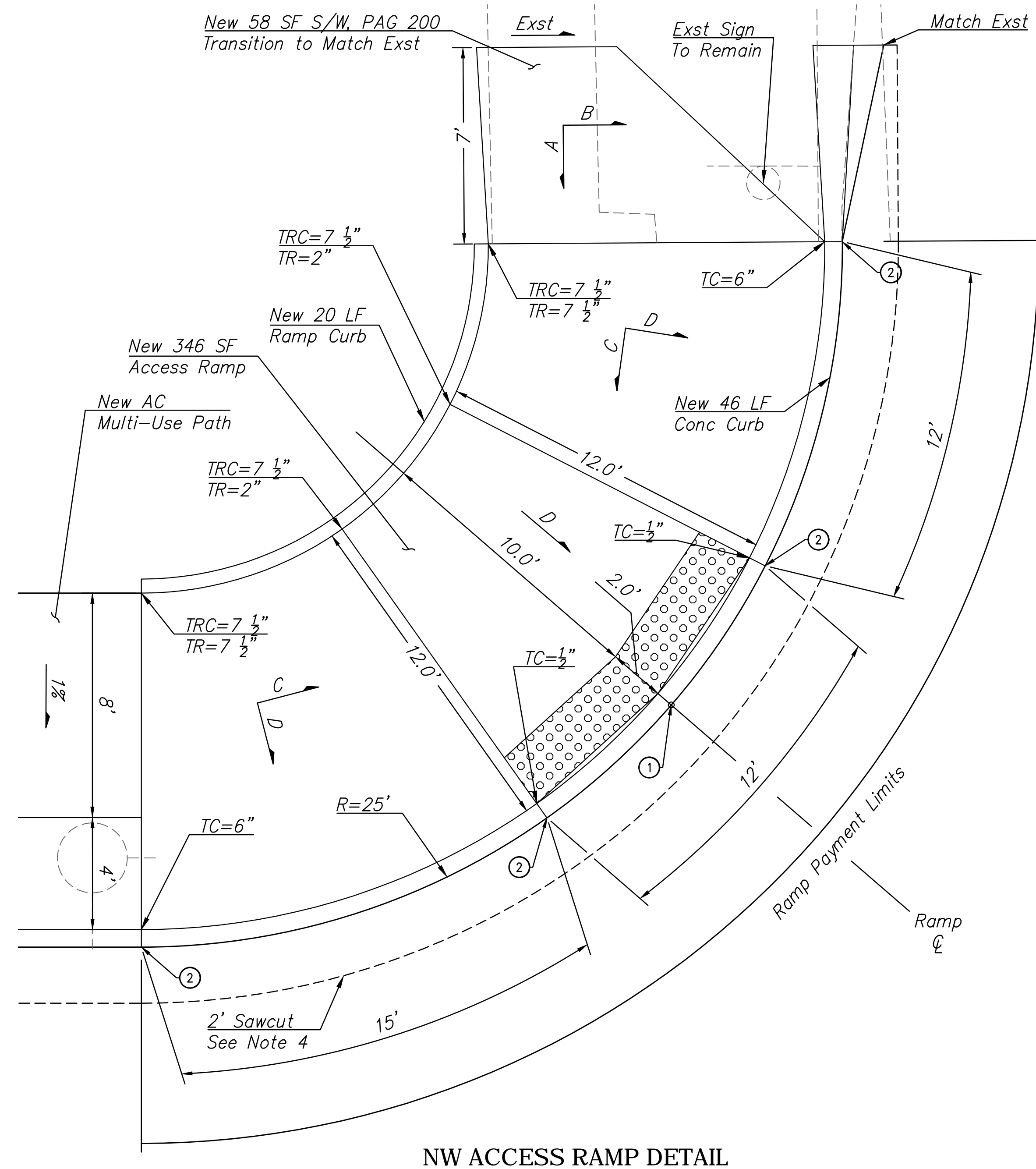
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 KEVIN TODD THORNTON
 34738
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Approvals	Signatory	Date	Approved _____ 20__	14 OF 80
			TRANSPORTATION DIRECTOR	
			REF. _____	SCALE: _____
			PLAN NO. U-2018-011	

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NW ACCESS RAMP DETAIL



Notes:

- See PAG 207, Sheet 10 of 10, for information regarding Detectable Warning Strips.
- See PAG 200 for joint requirements.
- For design elements not shown in the detail, refer to PAG 207 (Type 1), Sheet 1 of 10.
- See Detail F for location and configuration of sidewalk and curb. Sawcutting of the existing sidewalk, curb and pavement shall be considered incidental to the cost of the project.
- Depressed curb and curb transitions will be measured and paid for under Item 9080005, Concrete Curb (PAG Std Dtl 209) (Type 1). See PAG 209 for depressed curb dimensions.
- The curb access ramp will be paid for under Item 9080288, Curb Access Ramp. If ramp curb is deemed necessary by the Engineer, it shall be considered incidental to the cost of the item. Ramp curb shall be 6"x12" and shall extend to the bottom of the adjacent concrete sidewalk and access ramp.

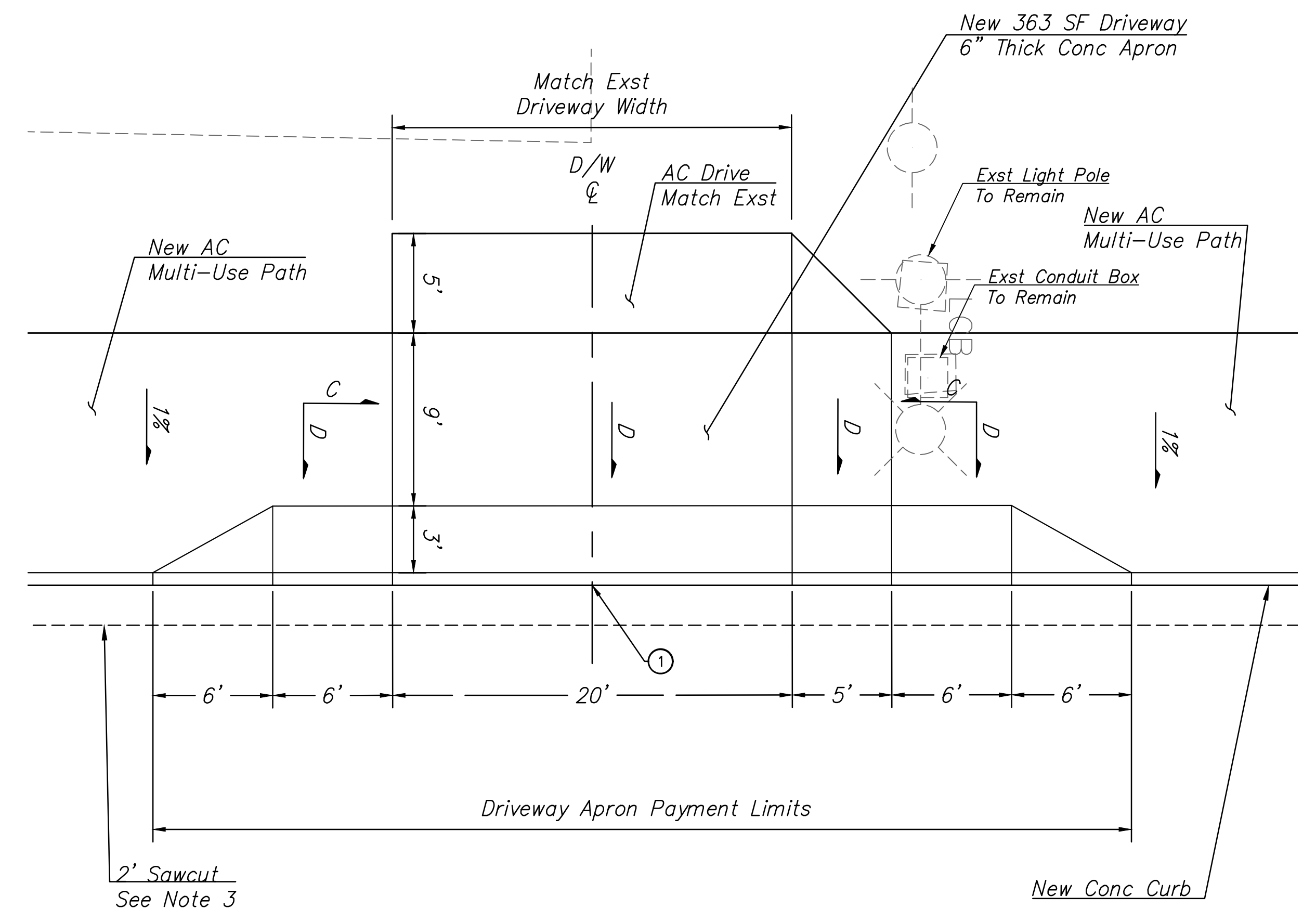
- A - 5% max slope.
- B - 2% max slope to match exst sidewalk slope.
- C - 12:1 max slope.
- D - 2% max slope.

- ① Access Ramp Station Location
- ② Gutter=0"

TC=top of curb
TRC=top of ramp curb
TR=top of ramp

DETAIL F3

17th St & Swan Rd
Sheet 3 of 4



DRIVEWAY #1 DETAIL (south)



Notes:

- See PAG 200 for joint requirements.
- For design elements not shown in the detail, refer to PAG 206.
- See Detail F for location and configuration of sidewalk and curb. Sawcutting of the existing sidewalk, curb and pavement shall be considered incidental to the cost of the project.
- Depressed curb and curb transitions will be measured and paid for under Item 9080005, Concrete Curb (PAG Std Dtl 209) (Type 1). See PAG 209 for depressed curb dimensions.
- The driveway will be paid for under Item 90800301, Concrete Driveway Apron.
- Asphaltic concrete pavement shall be 2 1/2" PAG Mix 2 over 4" AB per PAG 206. AC pavement will be paid for under Item 4060008, Asphaltic Concrete (Miscellaneous Paving).

- A - NA.
- B - NA.
- C - 12:1 max slope.
- D - 2% max slope.

- ① Concrete Driveway Station Location

DETAIL F4

17th St & Swan Rd
Sheet 3 of 4

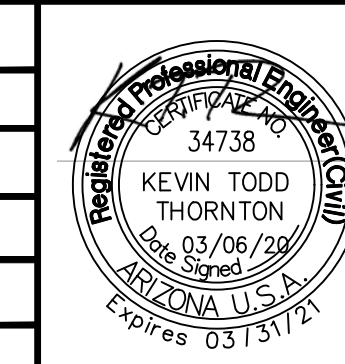
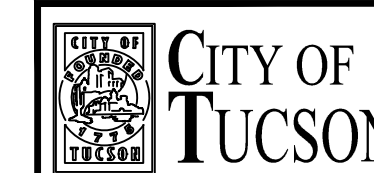
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ARCADIA AND TIMROD BICYCLE BOULEVARDS
GRANT ROAD TO EASTLAND ST AND ALVERNON WAY TO CRAYCROFT RD

Detail Sheets

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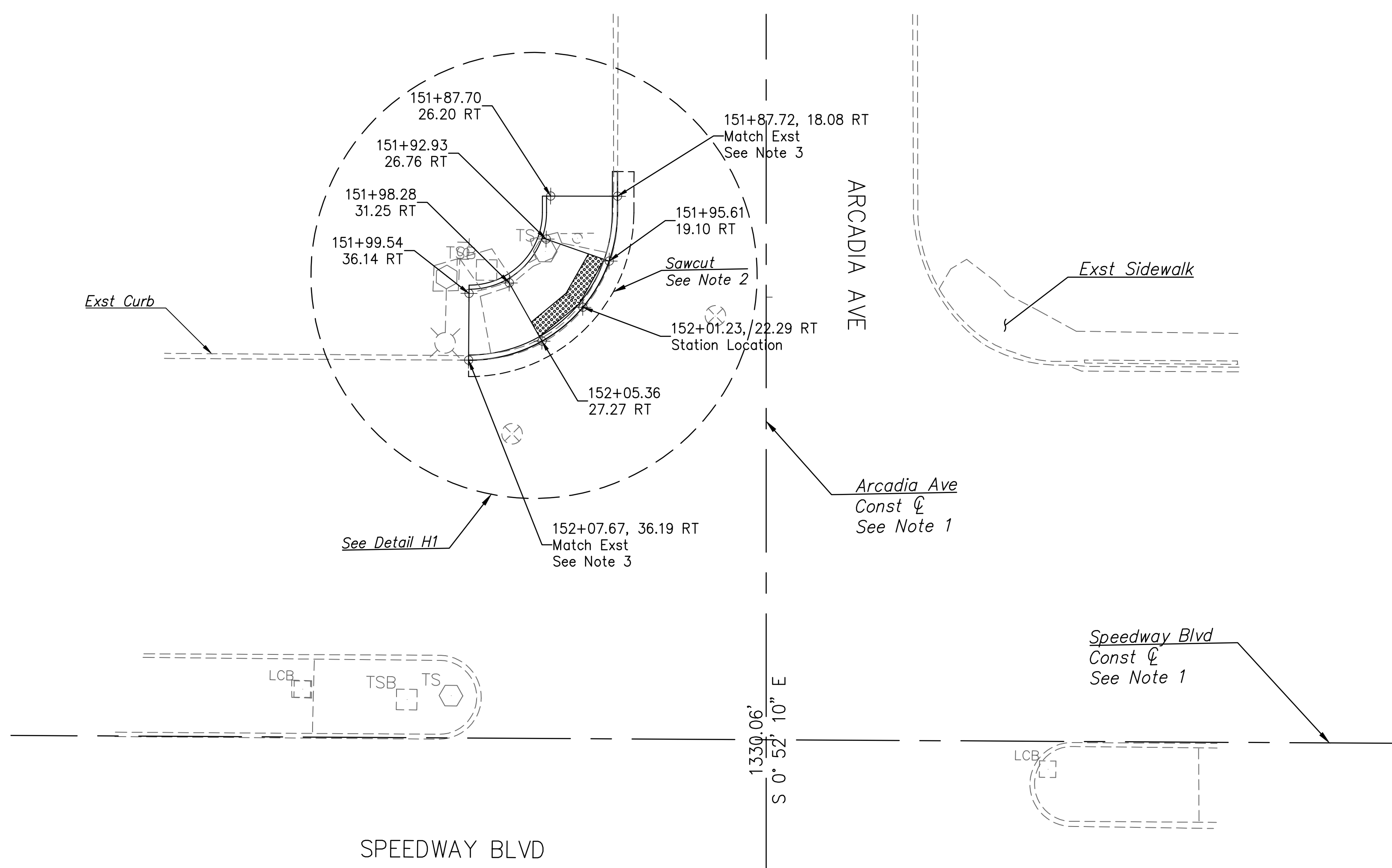
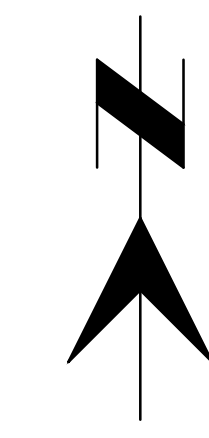
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PLAN NO. U-2018-011

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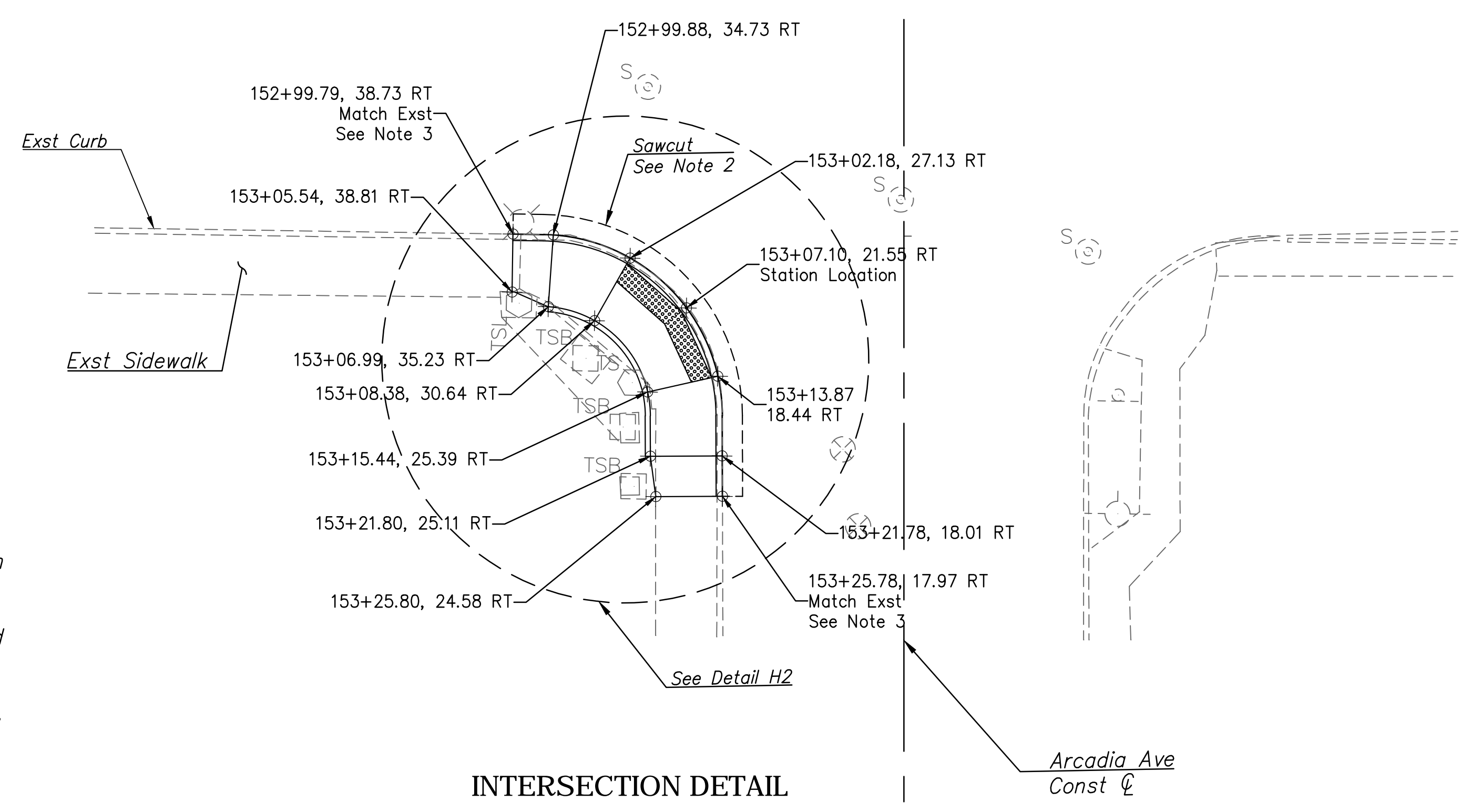
- Misc. Concrete - 420 SF
- Conc. Curb - 72 LF
- Bit. Pavement - 17 SY

NEW ITEMS:

- Concrete Curb - 72 LF
- Concrete Sidewalk - 47 SF
- Access Ramps - 344 SF

NOTES:

1. Stations and offsets are based on the Arcadia Ave Survey Control Cst \mathcal{C} as described on the Horizontal Control Sheets and the Bike Blvd Plan Sheets.
2. Sawcut 2' of pavement around existing curb and curb ramps to construct new curb and curb access ramps. Replace AC with Mix No. 2 (Terminal Mix) per PAG 216, Type 2. Replacement of the AC will be paid for under Item 90800005, Concrete Curb (PAG Std Dtl 209) (Type 2).
3. Sawcutting of the existing sidewalk, curb, and pavement shall be considered incidental to the cost of the project. Trim, tack and join new and exst AC, match sidewalk per PAG 203 and curb per PAG 211.
4. Removal of miscellaneous concrete and and bituminous pavement shall be included in the cost of Item 2020001, Removal of Structures and Obstructions.
5. See PAG 200 for joint requirements. Sidewalk will be paid for under Item 9080201, Concrete Sidewalk.
6. Depressed curb and curb transitions will be measured and paid for under Item 9080005, Concrete Curb (PAG Std Dtl 209) (Type 2). Concrete Vertical Curb shall use $h=6"$.
7. The access ramps will be paid for under Item 9080288, Curb Access Ramp. If ramp curb is deemed necessary by the Engineer, it shall be considered incidental to the cost of the item. Ramp curb shall be 6"x12" and shall extend to the bottom of the adjacent concrete sidewalk and access ramp.
8. See Details H1 and H2 for additional information.

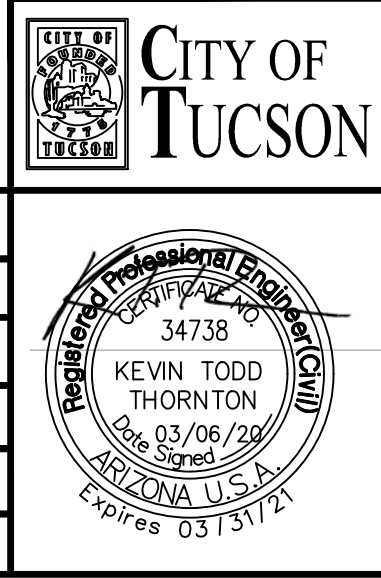


INTERSECTION DETAIL

DETAIL H
Speedway Blvd & Arcadia Ave
Sheet 1 of 2

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DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

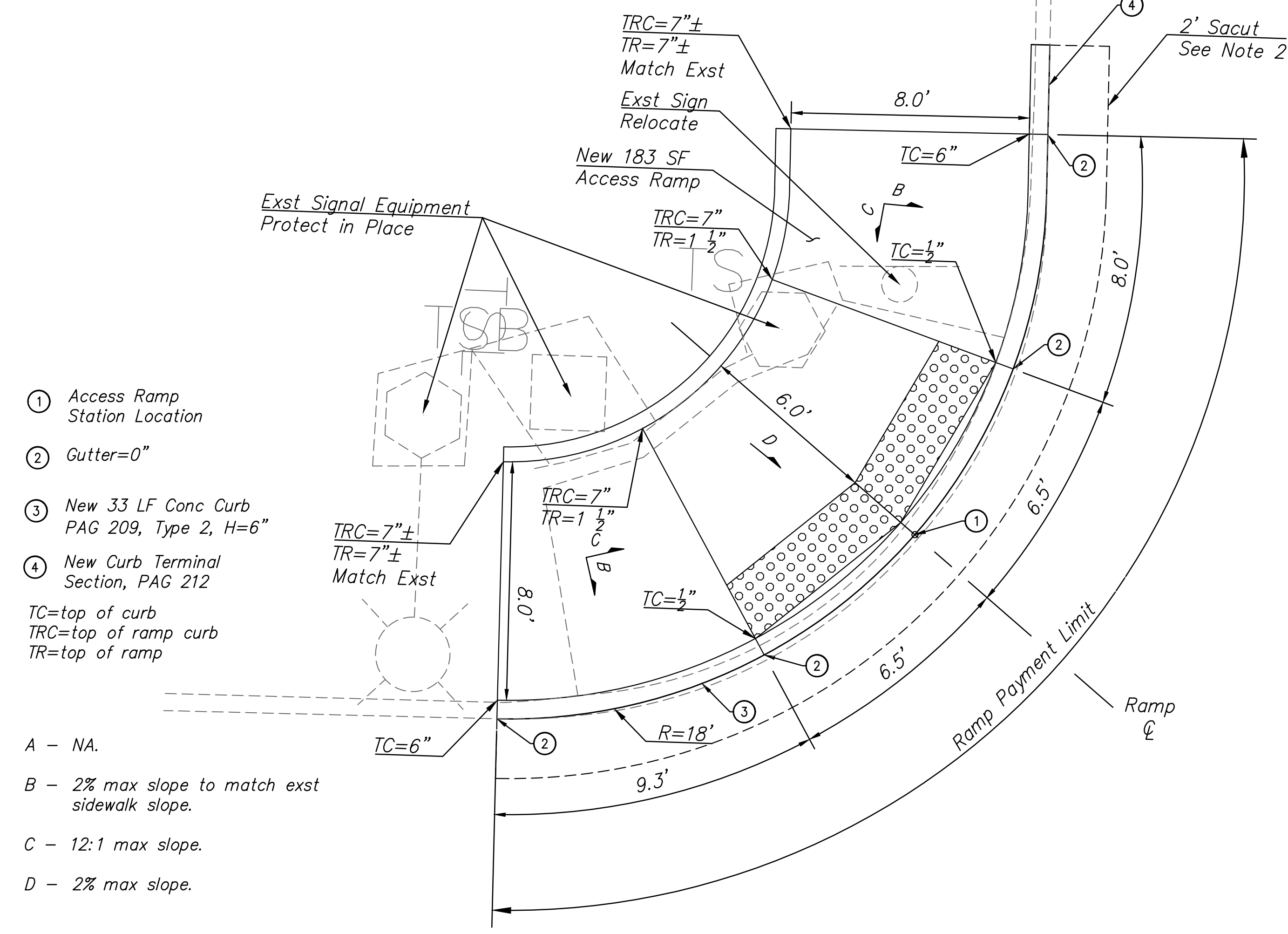
ARCADIA AND TIMROD BICYCLE BOULEVARDS
GRANT ROAD TO EASTLAND ST AND ALVERNON WAY TO CRAYCROFT RD

Detail Sheets

Approvals	Signatory	Date	Approved _____ 20__	19 OF 80
			TRANSPORTATION DIRECTOR	
REF. _____ SCALE: _____			PLAN NO. U-2018-011	

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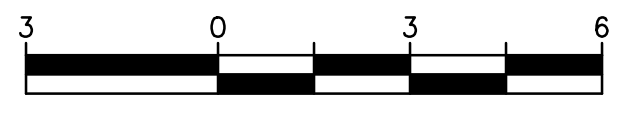
- ① Access Ramp Station Location
- ② Gutter=0"
- ③ New 33 LF Conc Curb PAG 209, Type 2, H=6"
- ④ New Curb Terminal Section, PAG 212

TC=top of curb
TRC=top of ramp curb
TR=top of ramp

- A - NA.
- B - 2% max slope to match ext sidewalk slope.
- C - 12:1 max slope.
- D - 2% max slope.

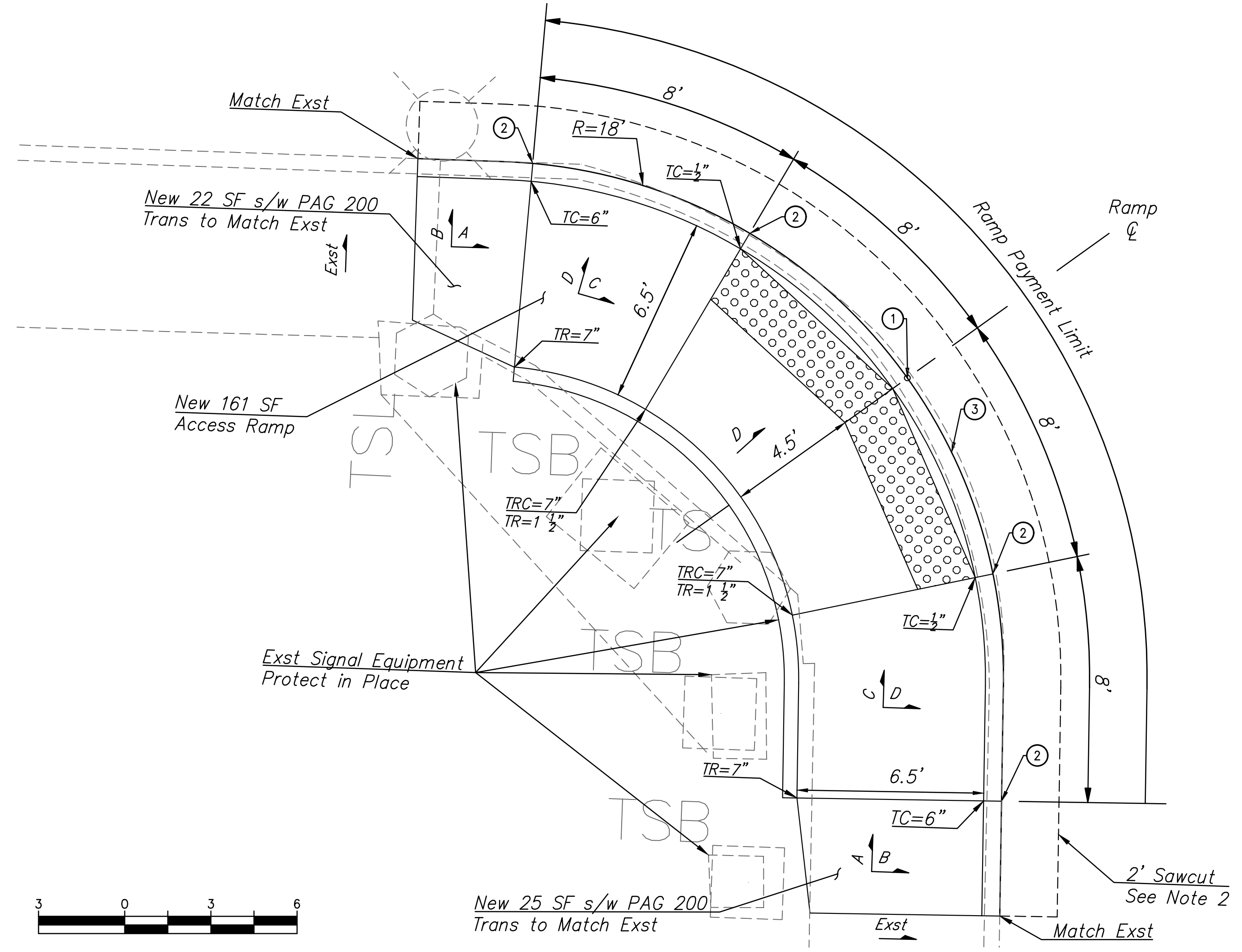
NE ACCESS RAMP DETAIL

- Notes:
- See PAG 207, Sheet 10 of 10, for information regarding Detectable Warning Strips.
 - See PAG 200 for joint requirements. Sidewalk will be paid for under Item 9080201, Concrete Sidewalk.
 - For design elements not shown in the detail, refer to PAG 207 (Type 1), Sheet 1 of 10.
 - See Detail H for location and configuration of sidewalk and curb. Sawcutting of the existing sidewalk, curb and pavement shall be considered incidental to the cost of the project.
 - Depressed curb and curb transitions will be measured and paid for under Item 9080005, Concrete Curb (PAG Std Dtl 209) (Type 1). See PAG 209 for depressed curb dimensions.
 - The curb access ramp will be paid for under Item 9080288, Curb Access Ramp. If ramp curb is deemed necessary by the Engineer, it shall be considered incidental to the cost of the item. Ramp curb shall be 6"x12" and shall extend to the bottom of the adjacent concrete sidewalk and access ramp.
 - The contractor shall take care to not damage the existing signal facilities to remain in place. If damaged per determination of the Engineer, the signal equipment shall be replaced at no additional cost to COT.



DETAIL H1

Speedway Blvd & Arcadia Ave
Sheet 2 of 2



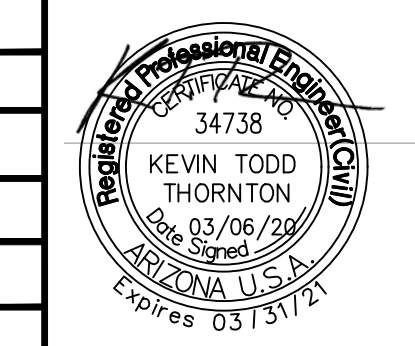
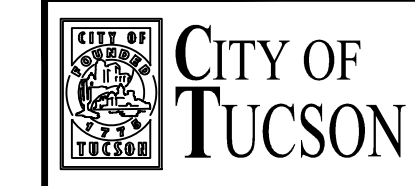
N ACCESS RAMP DETAIL (HAWK)

- Notes:
- See PAG 207, Sheet 10 of 10, for information regarding Detectable Warning Strips.
 - See PAG 200 for joint requirements. Sidewalk will be paid for under Item 9080201, Concrete Sidewalk.
 - For design elements not shown in the detail, refer to PAG 207 (Tpe 1), Sheet 1 of 10.
 - See Detail H for location and configuration of sidewalk and curb. Sawcutting of the existing sidewalk, curb and pavement shall be considered incidental to the cost of the project.
 - Depressed curb and curb transitions will be measured and paid for under Item 9080005, Concrete Curb (PAG Std Dtl 209) (Type 1). See PAG 209 for depressed curb dimensions.
 - The curb access ramp will be paid for under Item 9080288, Curb Access Ramp. If ramp curb is deemed necessary by the Engineer, it shall be considered incidental to the cost of the item. Ramp curb shall be 6"x12" and shall extend to the bottom of the adjacent concrete sidewalk and access ramp.
 - The contractor shall take care to not damage the existing signal facilities to remain in place. If damaged per determination of the Engineer, the signal equipment shall be replaced at no additional cost to COT.
- A - 5% max slope.
 - B - 2% max slope to match ext sidewalk slope.
 - C - 12:1 max slope.
 - D - 2% max slope.
- ① Access Ramp Station Location
 - ② Gutter=0"
 - ③ New 33 LF Conc Curb PAG 209, Type 2, H=6"
- TC=top of curb
TRC=top of ramp curb
TR=top of ramp

DETAIL H2

Speedway Blvd & Arcadia Ave
Sheet 2 of 2

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Detail Sheets			
Approvals	Signatory	Date	Approved _____ 20__
			20 OF 80
			TRANSPORTATION DIRECTOR
			REF. _____ SCALE: _____
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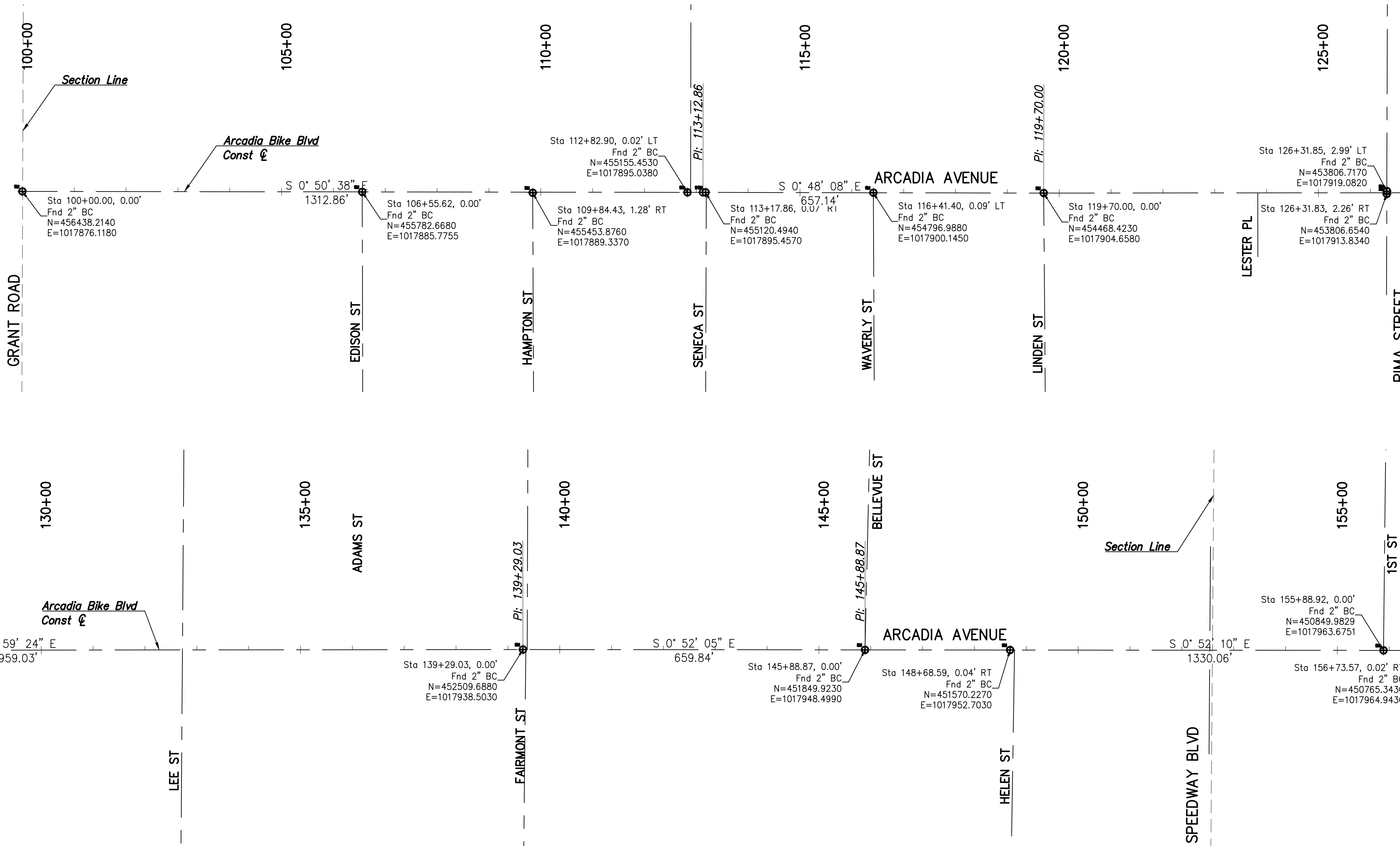
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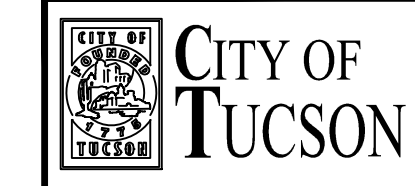
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MATCHLINE STA 157+50
SEE SHEET HZ02



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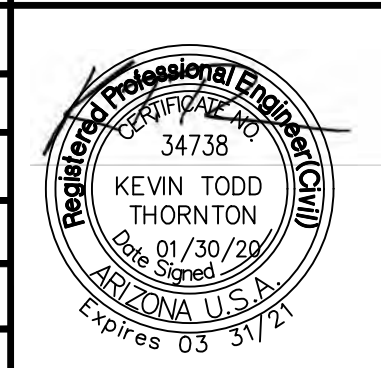


DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

ARCADIA AND TIMROD BICYCLE BOULEVARDS
GRANT ROAD TO EASTLAND ST AND ALVERNON WAY TO CRAYCROFT RD

Horizontal Control Sheets

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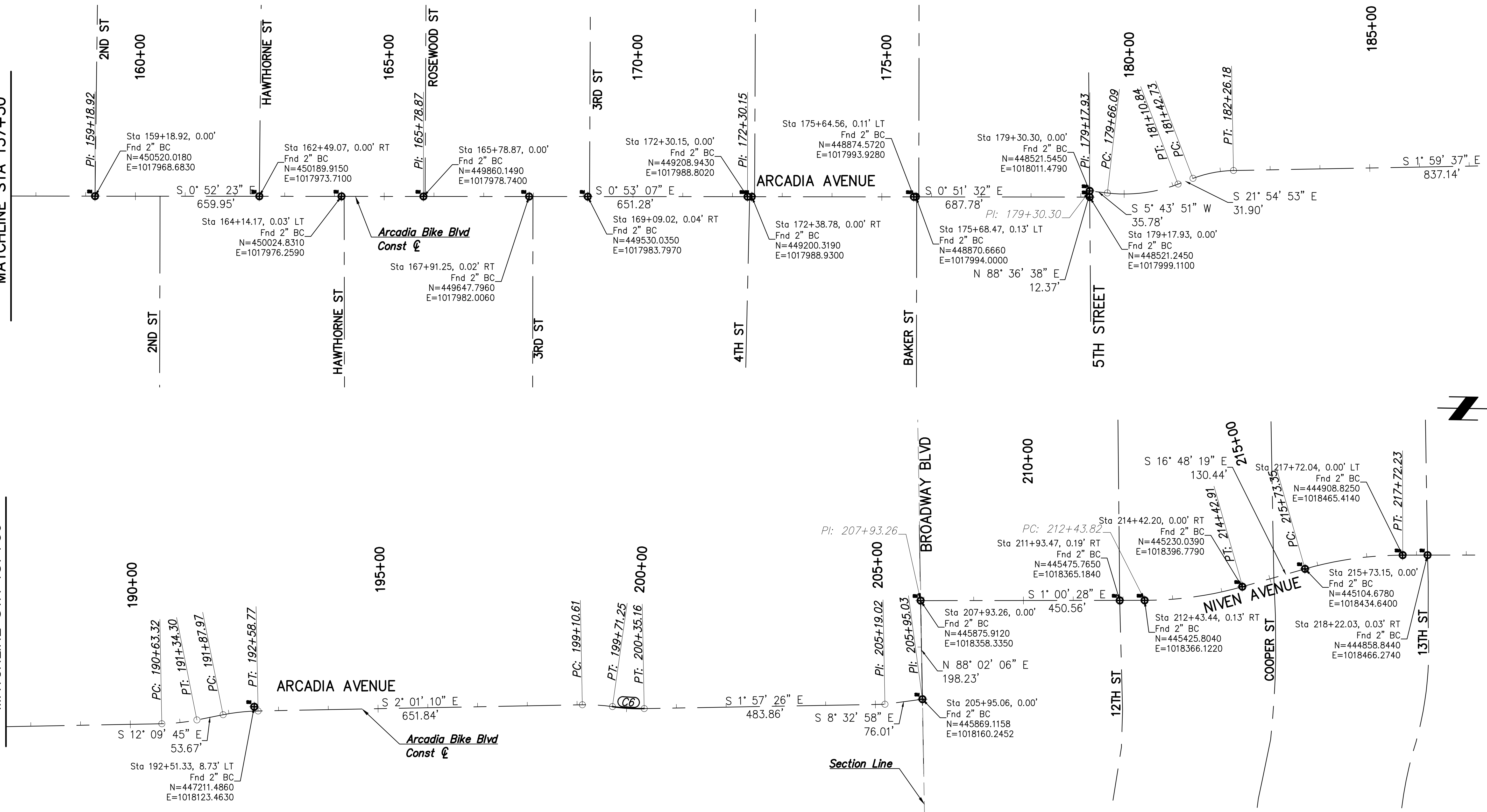
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SEE SHEET HZ01
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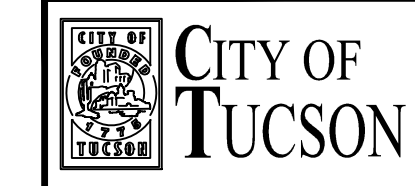
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MATCHLINE STA 219+50
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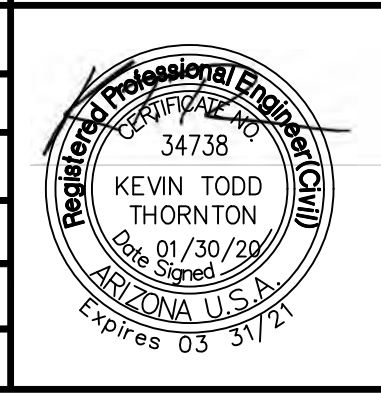


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ARCADIA AND TIMROD BICYCLE BOULEVARDS
GRANT ROAD TO EASTLAND ST AND ALVERNON WAY TO CRAWCROFT RD

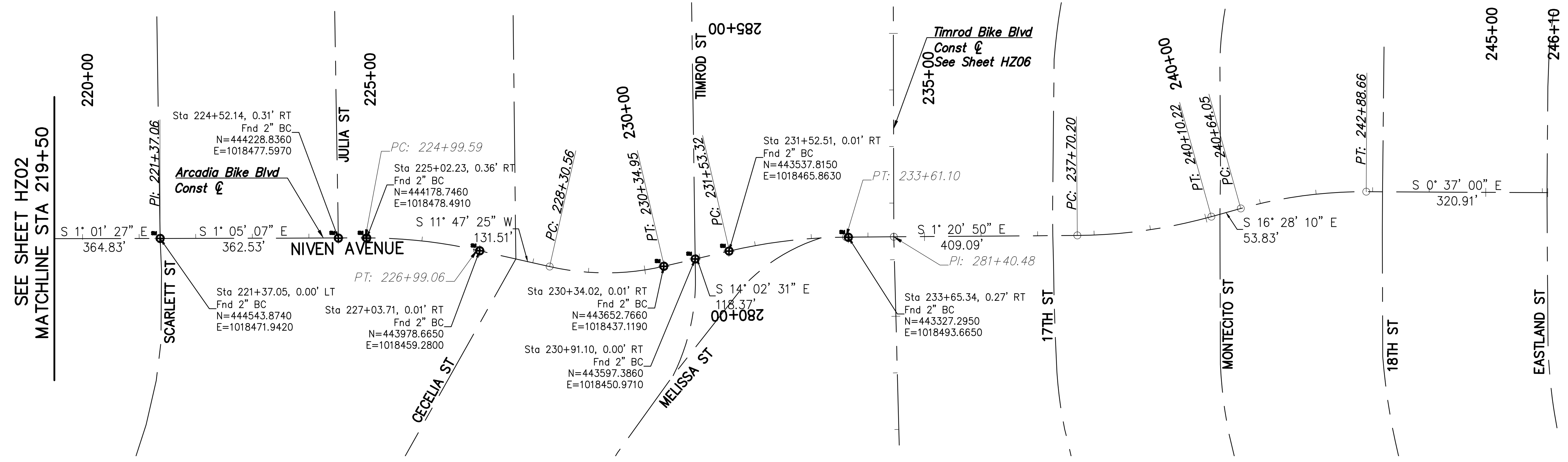
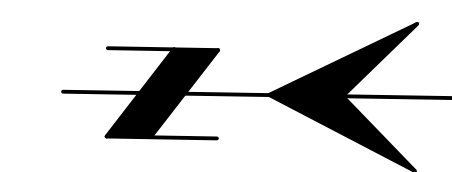
Horizontal Control Sheets

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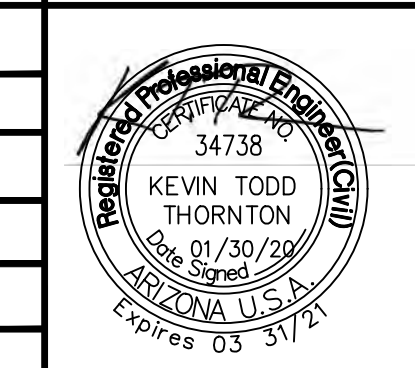
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ARCADIA AND TIMROD BICYCLE BOULEVARDS
GRANT ROAD TO EASTLAND ST AND ALVERNON WAY TO CRAYCROFT RD
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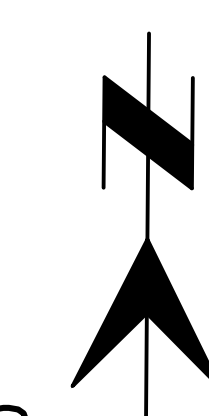
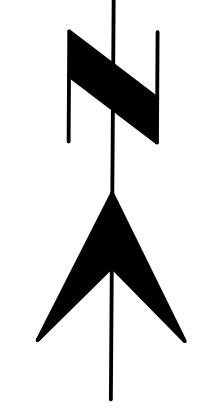
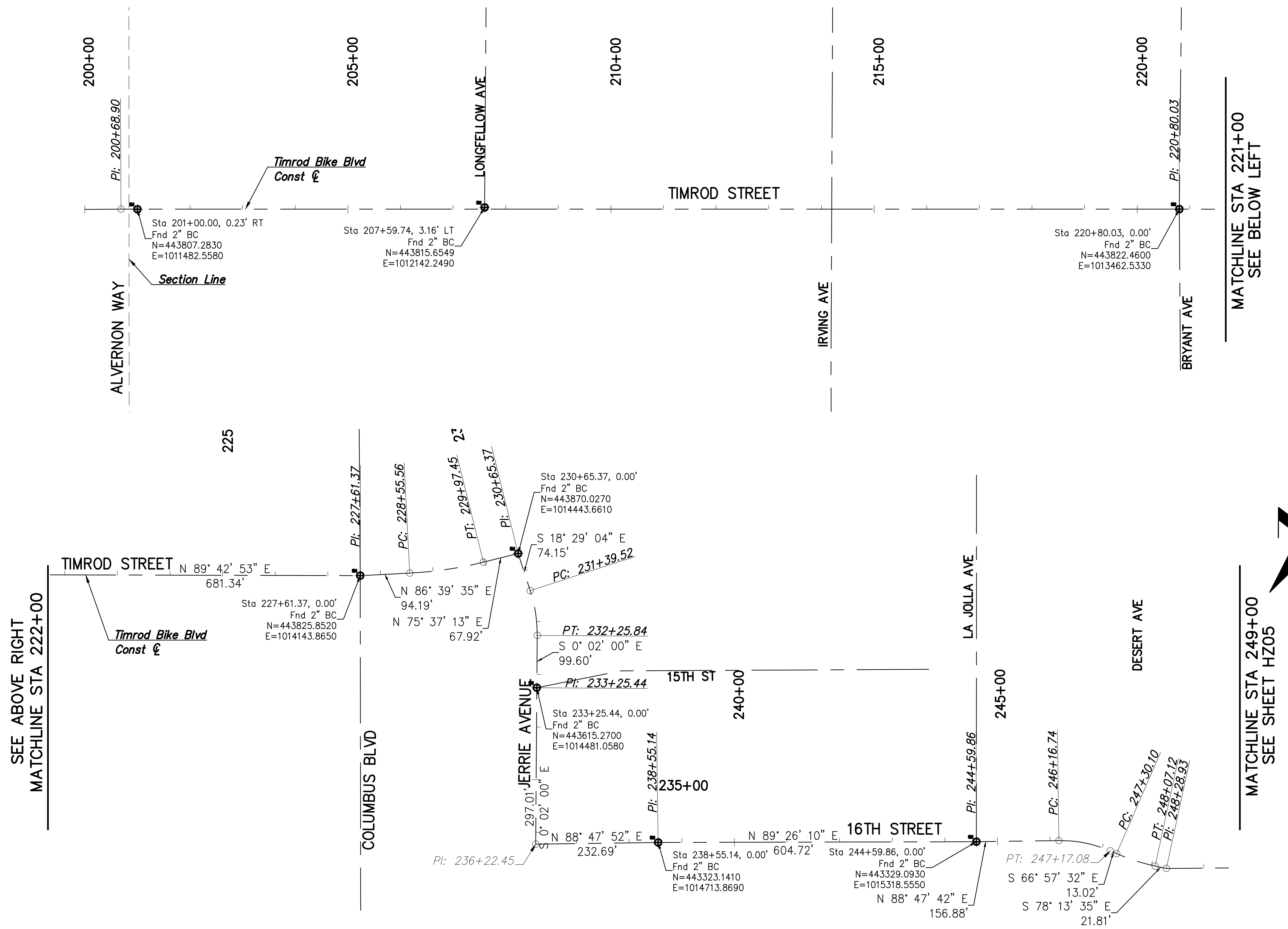
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			23 OF 80
			TRANSPORTATION DIRECTOR
			REF. SCALE: U-2018-011

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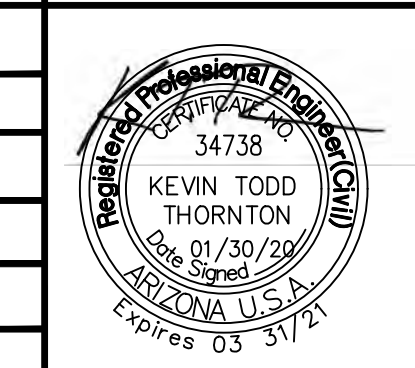
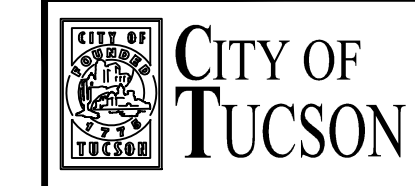
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Federal Project No. TAP-TUC-0(264)D HZ04 of 6

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

ARCADIA AND TIMROD BICYCLE BOULEVARDS
GRANT ROAD TO EASTLAND ST AND ALVERNON WAY TO CRAYCROFT RD

Horizontal Control Sheets

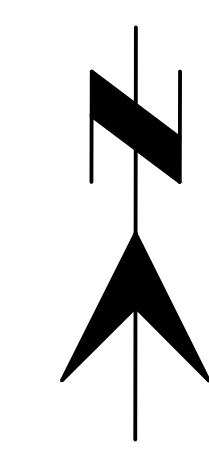
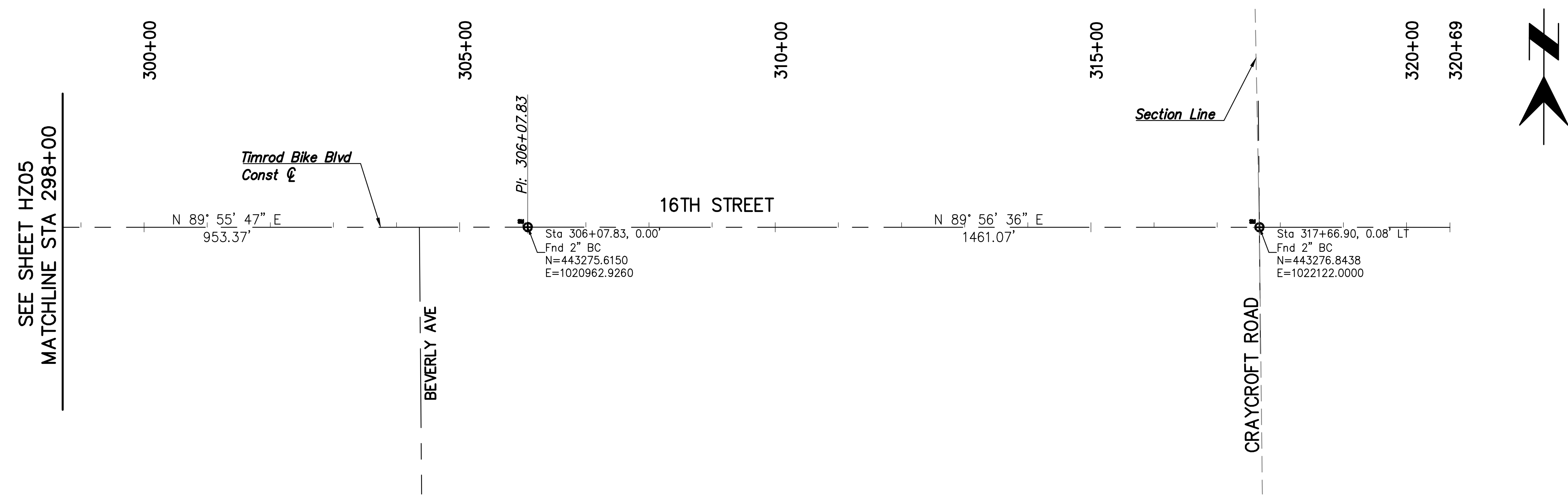
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			TRANSPORTATION DIRECTOR
			REF. SCALE:
			PLAN NO. U-2018-011

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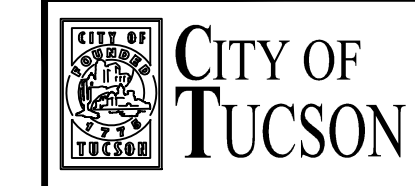
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Federal Project No. TAP-TUC-0(264)D HZ06 of 6

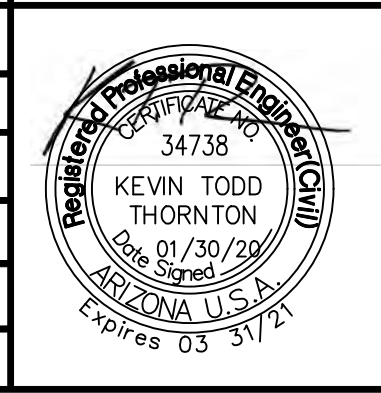
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ARCADIA AND TIMROD BICYCLE BOULEVARDS
GRANT ROAD TO EASTLAND ST AND ALVERNON WAY TO CRAYCROFT RD
Horizontal Control Sheets

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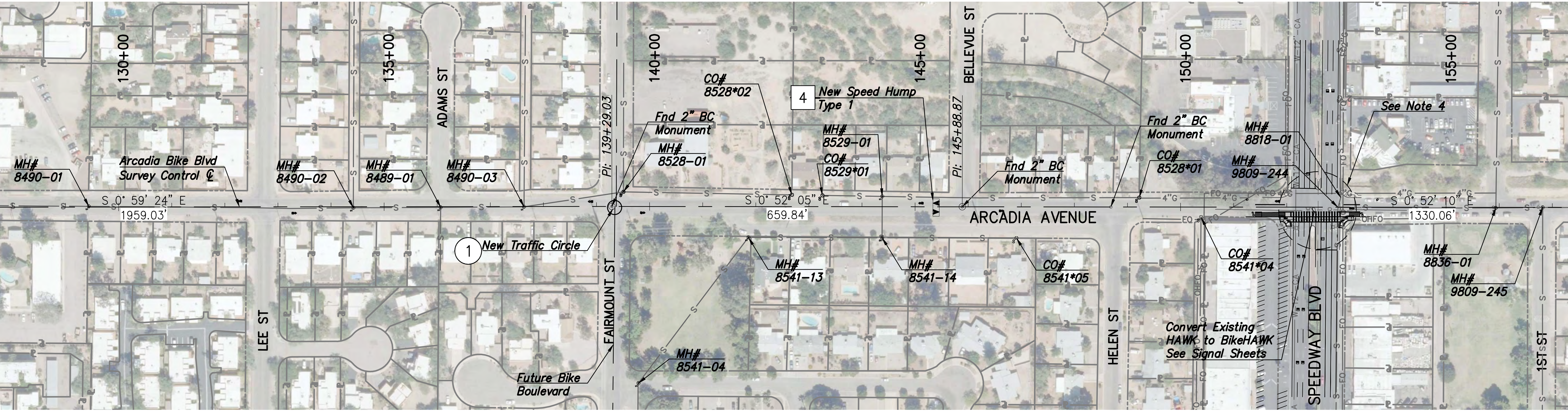
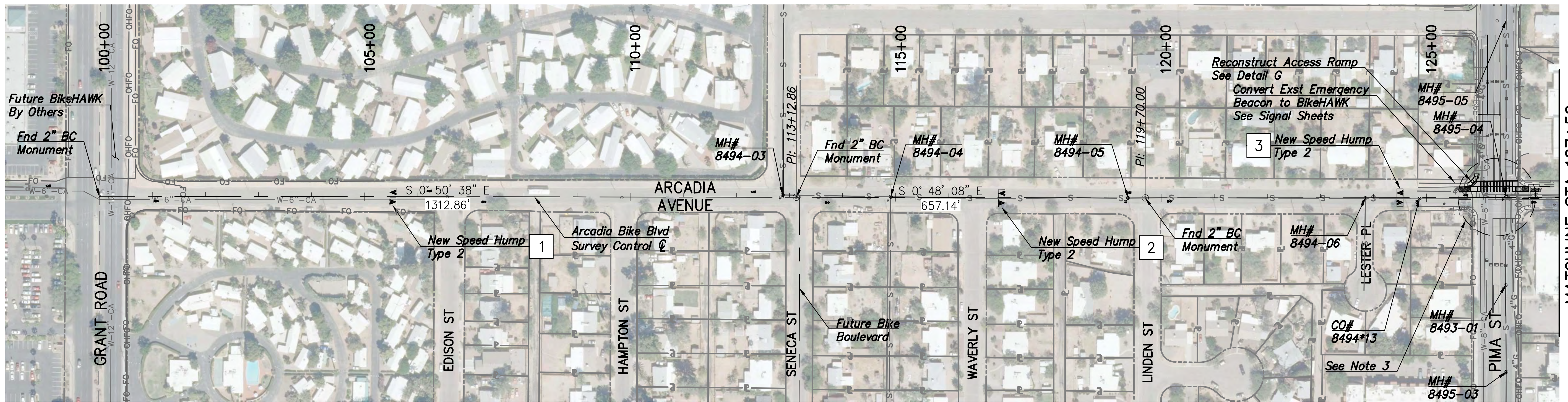


NO.	DATE	REVISION	BY	CHKD.	APPR.



Approvals	Signatory	Date

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TRANSPORTATION DIRECTOR	
REF. _____ SCALE: _____	PLAN NO. U-2018-011
DRWN. BY <u>ER</u> 20 <u>19</u> DSGN. BY <u>KT</u> 20 <u>19</u> CHKD. BY <u>KT</u> 20 <u>20</u>	



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MATCHLINE STA 127+50

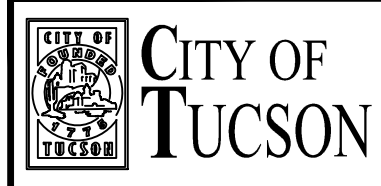
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SEE SHEET RP02

- NOTES:**
- See Dtl A for location and configuration of traffic circles.
 - See Dtl B for location and configuration of speed humps. For design elements not shown in the detail, refer to PC/COT Pvmt Marking Standard 5-19.1.
 - See Detail G for location, configuration, and additional information for the access ramp.
 - See Detail H for location and configuration of access ramps. See also Details H1 and H2 for additional information.

- KEYNOTES:**
- XX New Traffic Circle, see Detail A
 - XX New Speed Hump, see Detail B

ADOT TRACS No. 0000 PM TUC T0129 01C
Federal Project No. TAP-TUC-0(264)D
RP01 of 6

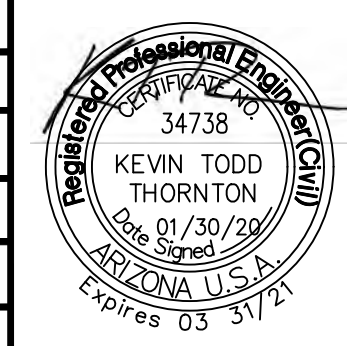
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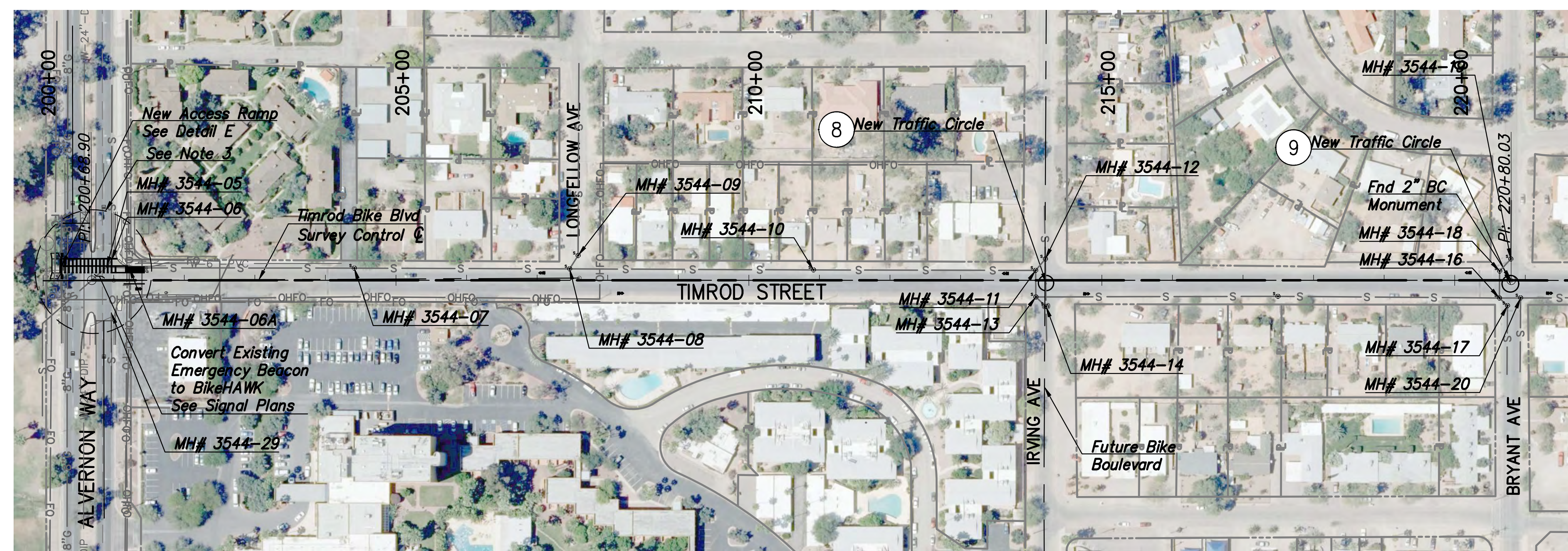
ARCADIA AND TIMROD BICYCLE BOULEVARDS
GRANT ROAD TO EASTLAND ST AND ALVERNO WAY TO CRAYCROFT RD
Roadway Plan Sheets

NO.	DATE	REVISION	BY	CHKD.	APPR.



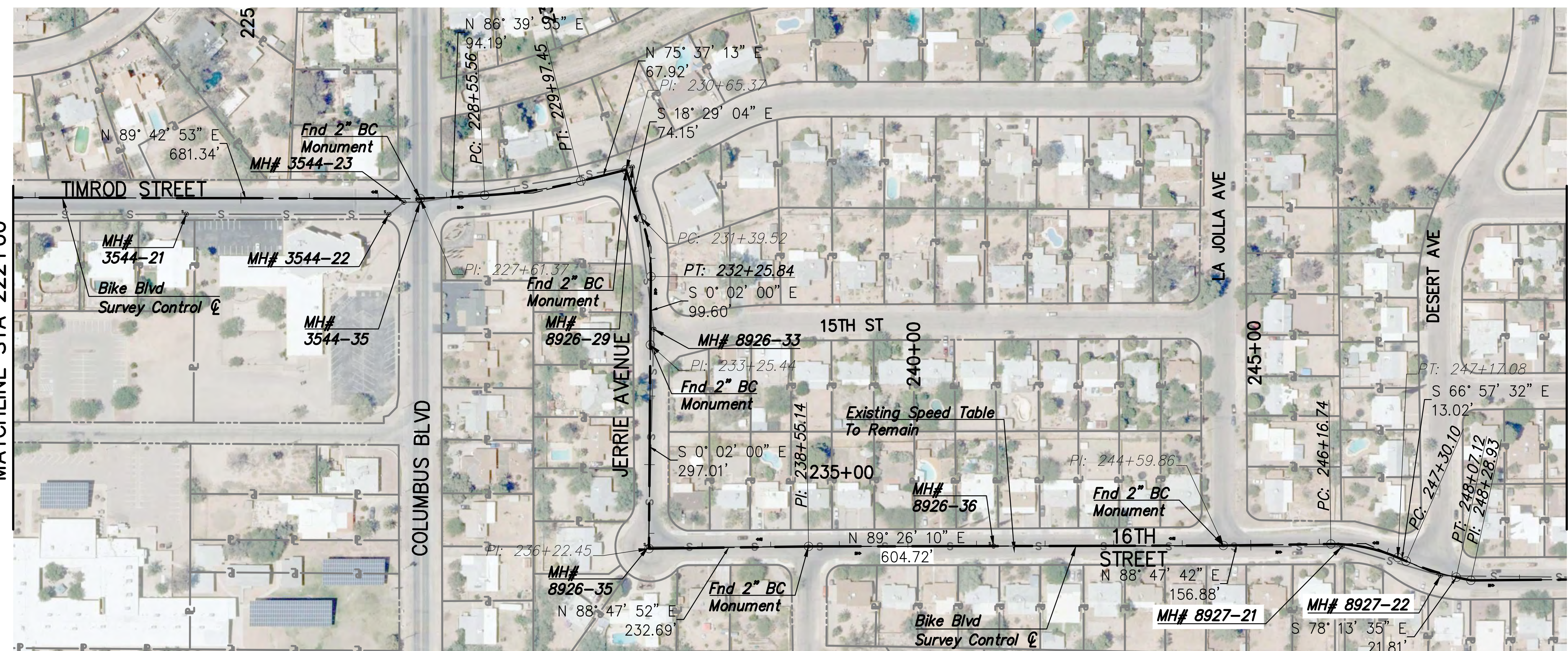
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			TRANSPORTATION DIRECTOR	
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			PLAN NO. U-2018-011	

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MATCHLINE STA 221+00
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Curve Table: Alignments				
Curve #	Length	Radius	Delta	Tangent
C30	141.89	736.41	11.0394	71.16
C31	86.32	268.05	18.4511	43.54
C32	100.33	237.10	24.2463	50.93
C33	77.02	391.64	11.2678	38.63



SEE ABOVE RIGHT
MATCHLINE STA 222+00

MATCHLINE STA 249+00
SEE SHEET RP05

- NOTES:**
- See Dtl A for location and configuration of traffic circles.
 - See Dtl B for location and configuration of speed humps. For design elements not shown in the detail, refer to PC/COT Pvmnt Marking Standard 5-19.1.
 - See Detail E for location and configuration of access ramps. See also Detail E1 for additional information.
 - Traffic Circles TC-09 and TC-10 shall be decorative concrete pavement as described in Detail A.

- KEYNOTES:**
- (XX) New Traffic Circle, see Detail A
 - (XX) New Speed Hump, see Detail B

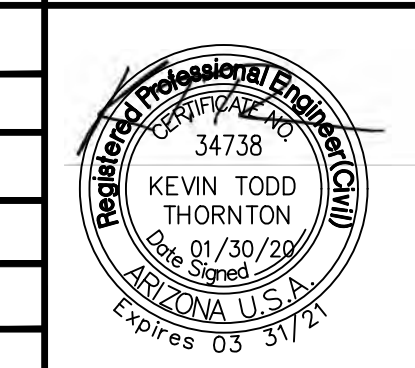
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Federal Project No. TAP-TUC-0(264)D
RP04 of 6

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

ARCADIA AND TIMROD BICYCLE BOULEVARDS
GRANT ROAD TO EASTLAND ST AND ALVERNON WAY TO CRAYCROFT RD

Roadway Plan Sheets

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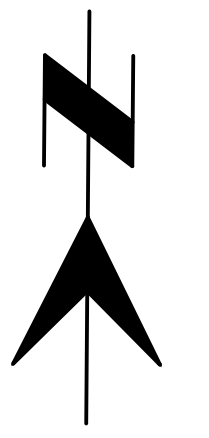
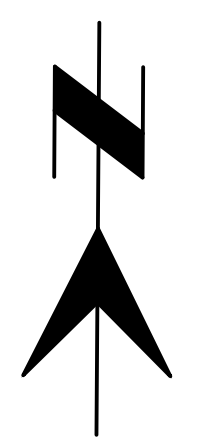
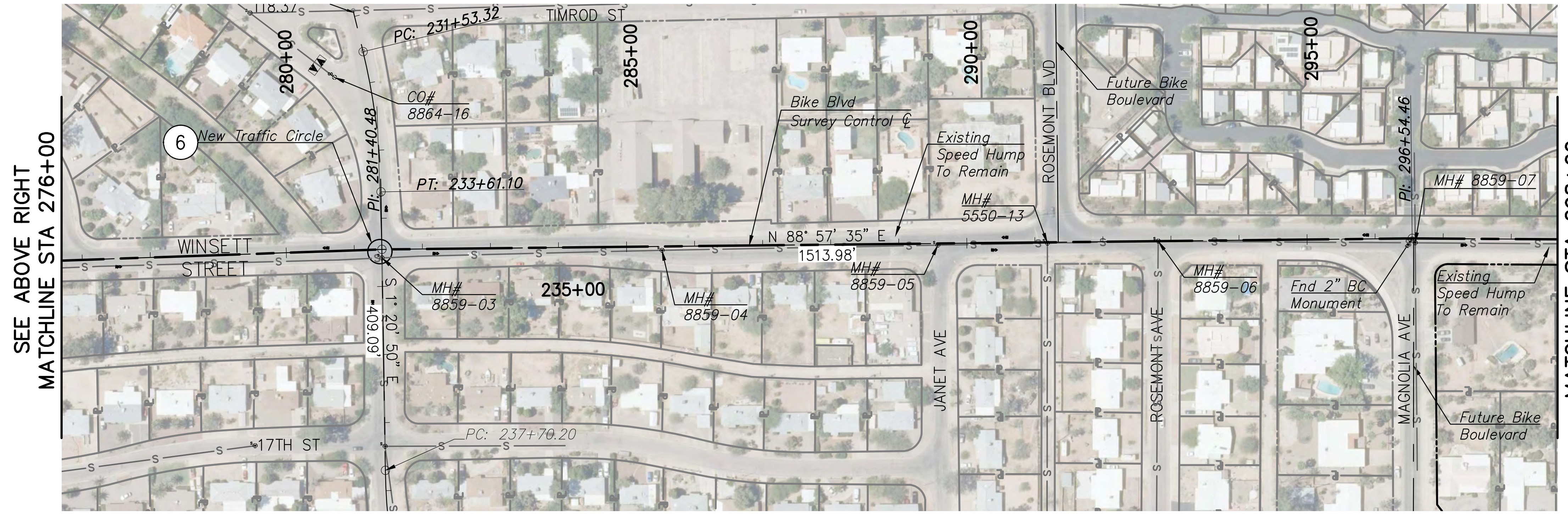
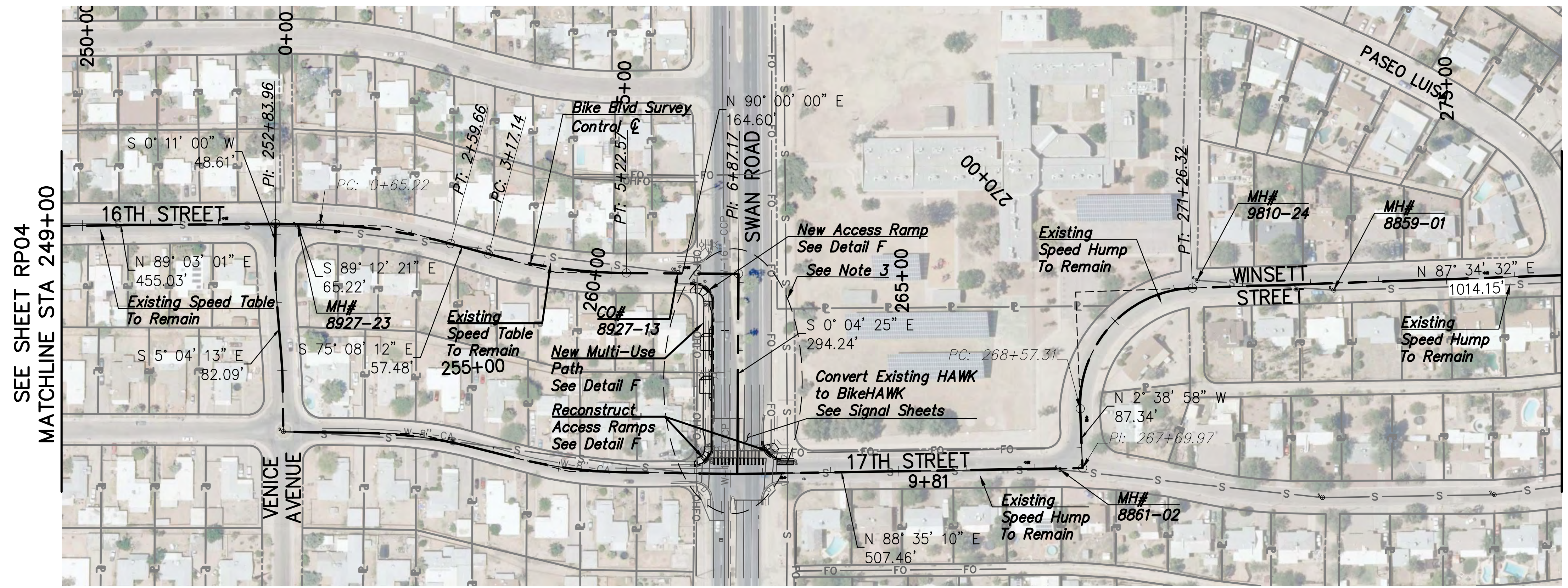
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Approvals	Signatory	Date	Approved	30 OF 80

TRANSPORTATION DIRECTOR

REF. _____ SCALE: _____

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- NOTES:**
1. See Dtl A for location and configuration of traffic circles.
 2. See Dtl B for location and configuration of speed humps. For design elements not shown in the detail, refer to PC/COT Pvmnt Marking Standard 5-19.1.
 3. See Detail F for location and configuration of access ramps. See also Detail F1 through F5 for additional information.

- KEYNOTES:**
- (XX) New Traffic Circle, see Detail A
 - (XX) New Speed Hump, see Detail B

Curve Table: Alignments

Curve #	Length	Radius	Delta	Tangent
C34	194.45	791.89	14.0690	97.72
C35	205.43	791.89	14.8633	103.29
C36	65.78	717.41	5.2537	32.91
C37	43.42	639.67	3.8894	21.72

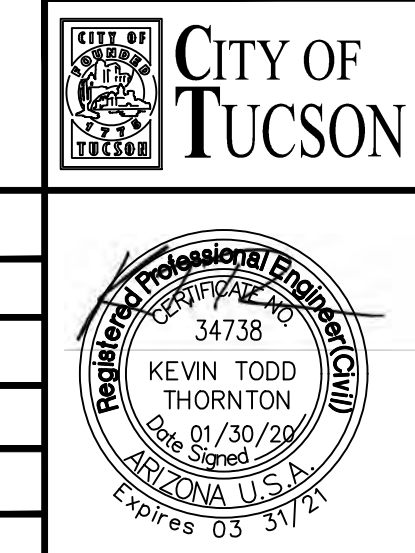
Curve Table: Alignments

Curve #	Length	Radius	Delta	Tangent
C11	207.78	937.80	12.6945	104.32

Curve Table: Alignments

Curve #	Length	Radius	Delta	Tangent
C38	157.28	684.90	13.1572	78.99
C39	157.28	684.90	13.1572	78.99
C40	269.01	170.83	90.2250	171.50

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Federal Project No. TAP-TUC-0(264)D RPO5 of 6

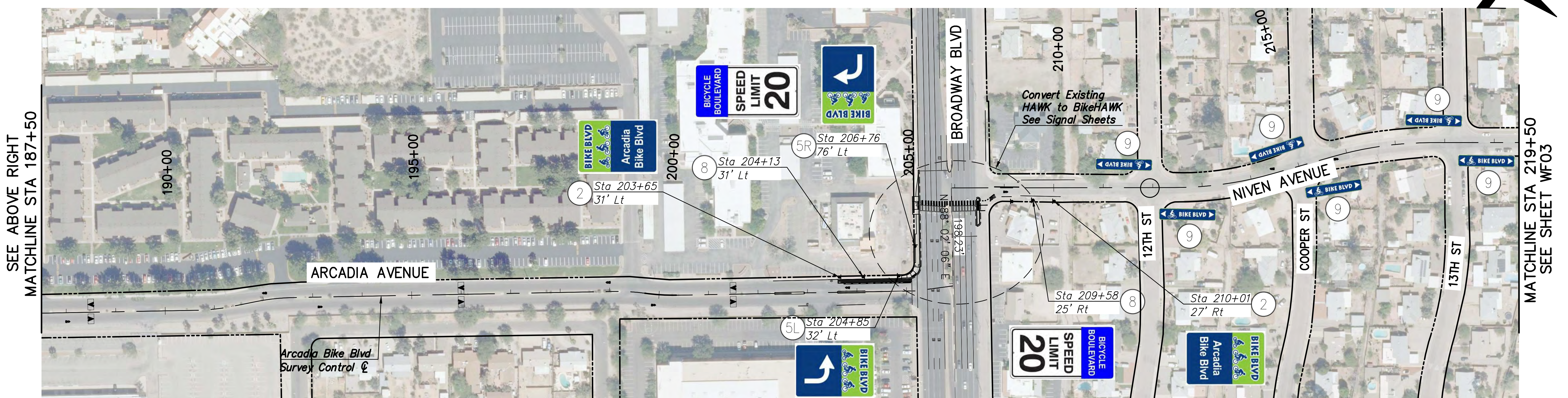
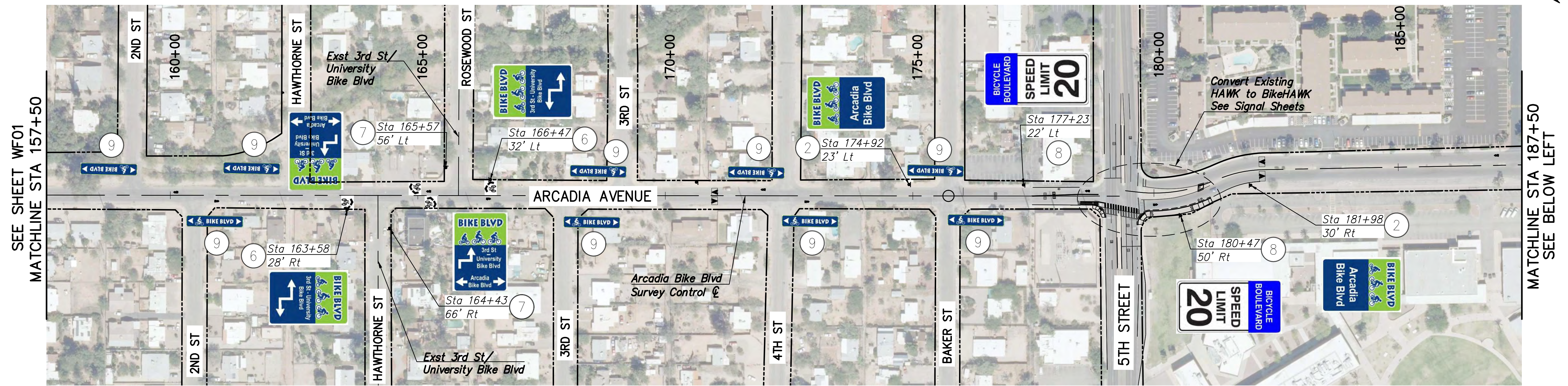
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ARCADIA AND TIMROD BICYCLE BOULEVARDS
GRANT ROAD TO EASTLAND ST AND ALVERNON WAY TO CRAYCROFT RD

Roadway Plan Sheets

Approvals	Signatory	Date	Approved _____ 20__	31 OF 80						
			TRANSPORTATION DIRECTOR							
DRWN. BY	ESR	2019	DSGN. BY	KT	2019	CHKD. BY	KT	2020	PLAN NO.	U-2018-011

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NOTES

1. For details and dimensions for wayfinding signs #1 through #8, see sheet SG03.
2. After locations for wayfinding signs are staked, the contractor shall obtain approval by the Engineer before installing signs. The Engineer shall check sign locations for conflicts with existing structures, utilities, signs, and right-of-way; sign spacing; and distances to and from intersections.

ADOT TRACS No. 0000 PM TUC T0129 01C
 Federal Project No. TAP-TUC-0(264)D
 WF02 of 6

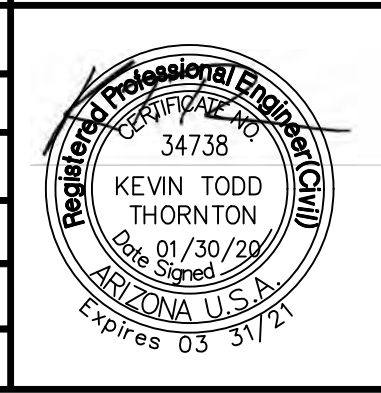
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 GRANT ROAD TO EASTLAND ST AND ALVERNON WAY TO CRAWCROFT RD
 Bike Blvd Wayfinding Plans

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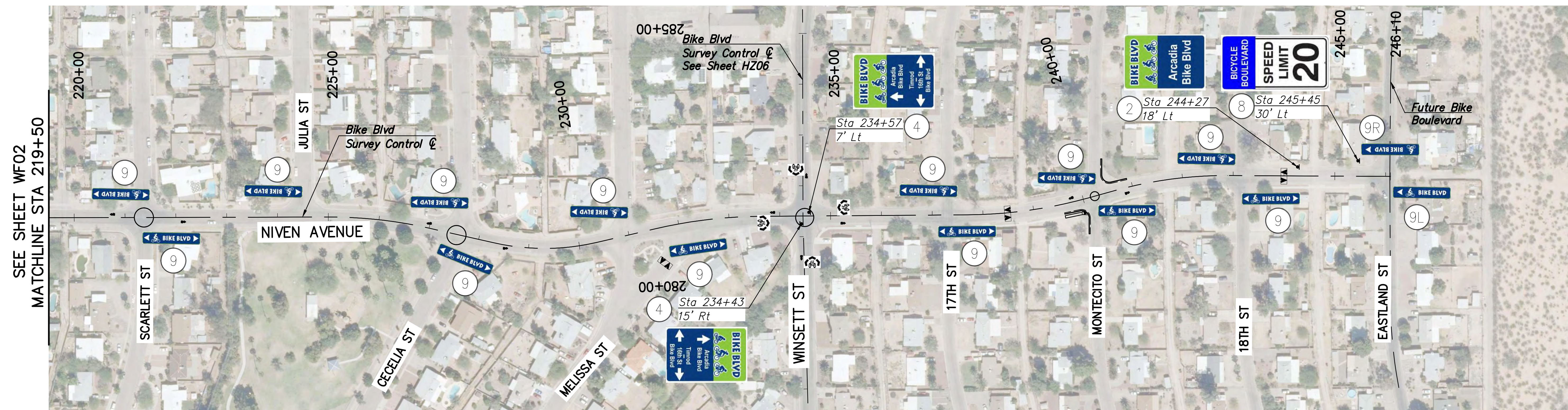
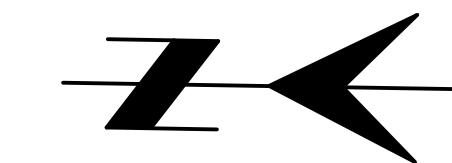


Approvals	Signatory	Date	Approved	34 OF 80

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REF. SCALE: U-2018-011

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SEE SHEET WF02
MATCHLINE STA 219+50

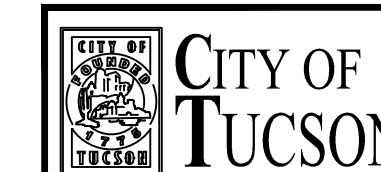
NOTES

1. For details and dimensions for wayfinding signs #1 through #8, see sheet SG03.
2. After locations for wayfinding signs are staked, the contractor shall obtain approval by the Engineer before installing signs. The Engineer shall check sign locations for conflicts with existing structures, utilities, signs, and right-of-way; sign spacing; and distances to and from intersections.

ADOT TRACS No. 0000 PM TUC T0129 01C
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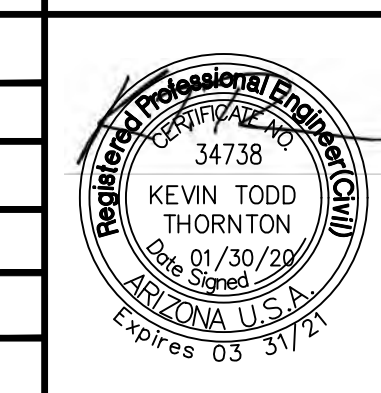


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ARCADIA AND TIMROD BICYCLE BOULEVARDS
GRANT ROAD TO EASTLAND ST AND ALVERNON WAY TO CRAYCROFT RD

Bike Blvd Wayfinding Plans

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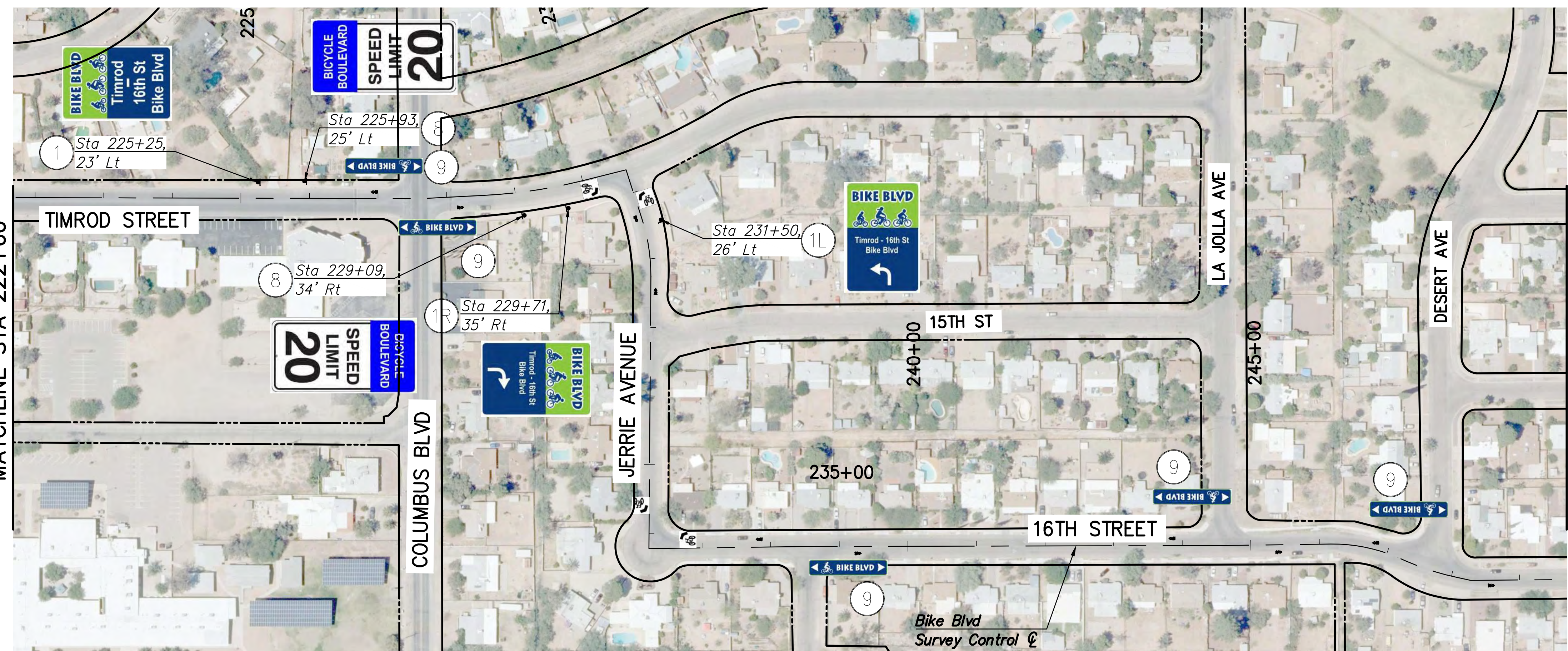
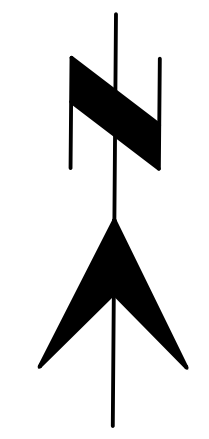


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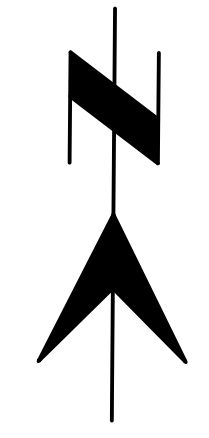


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SEE BELOW LEFT



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MATCHLINE STA 222+00

MATCHLINE STA 249+00
SEE SHEET WF05



NOTES

1. For details and dimensions for wayfinding signs #1 through #8, see sheet SG03.
2. After locations for wayfinding signs are staked, the contractor shall obtain approval by the Engineer before installing signs. The Engineer shall check sign locations for conflicts with existing structures, utilities, signs, and right-of-way; sign spacing; and distances to and from intersections.

ADOT TRACS No. 0000 PM TUC T0129 01C
Federal Project No. TAP-TUC-0(264)D
WF04 of 6

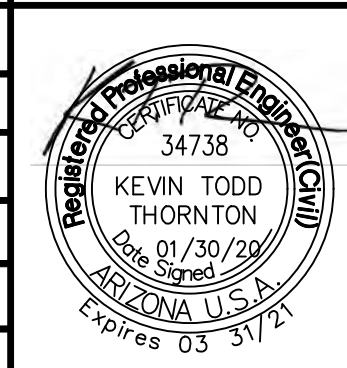
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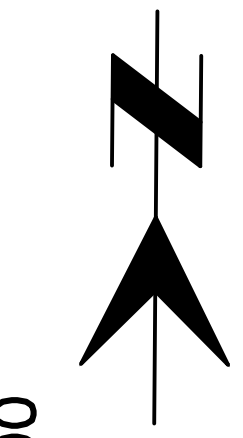
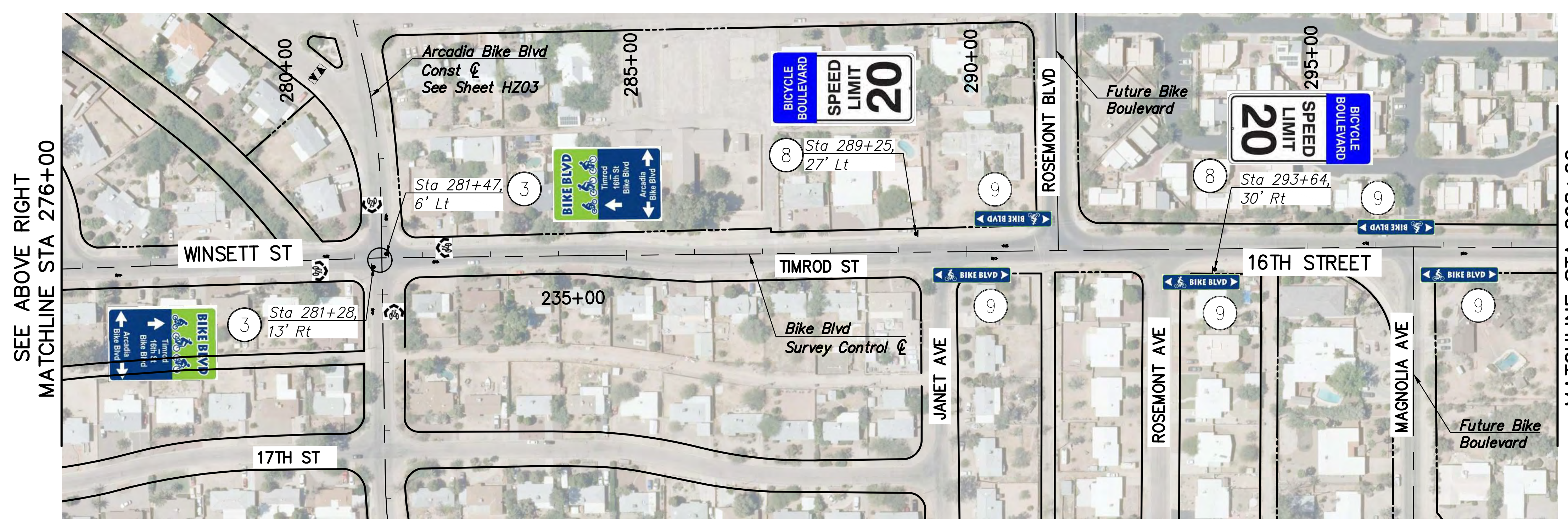
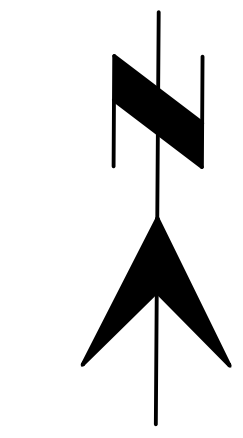
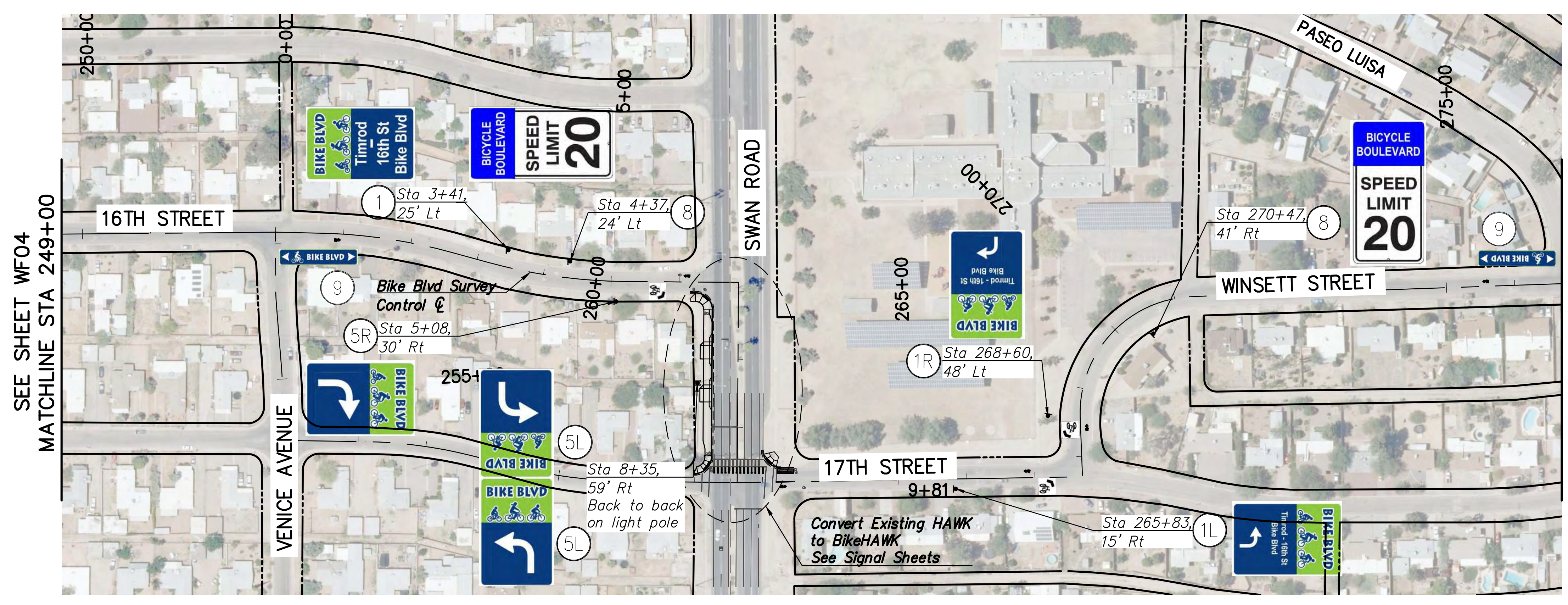
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GRANT ROAD TO EASTLAND ST AND ALVERNON WAY TO CRAYCROFT RD
Bike Blvd Wayfinding Plans

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NOTES

1. For details and dimensions for wayfinding signs #1 through #8, see sheet SG03.
2. After locations for wayfinding signs are staked, the contractor shall obtain approval by the Engineer before installing signs. The Engineer shall check sign locations for conflicts with existing structures, utilities, signs, and right-of-way; sign spacing; and distances to and from intersections.

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WF05 of 6

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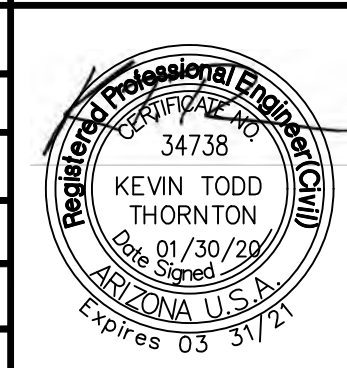


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ARCADIA AND TIMROD BICYCLE BOULEVARDS
GRANT ROAD TO EASTLAND ST AND ALVERNON WAY TO CRAYCROFT RD

Bike Blvd Wayfinding Plans

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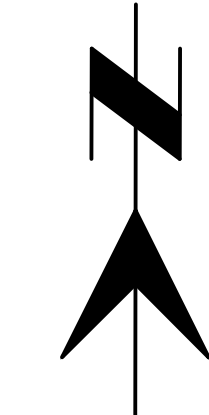
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SEE SHEET WF05
MATCHLINE STA 298+00

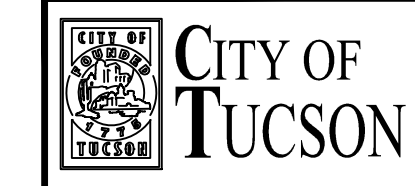


NOTES

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Federal Project No. TAP-TUC-0(264)D WF06 of 6

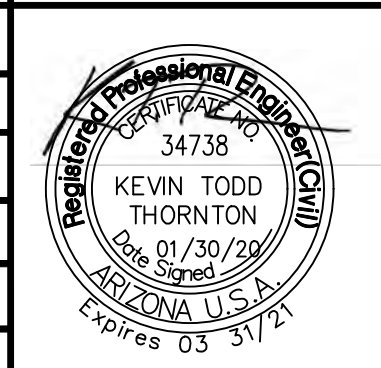
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Bike Blvd Wayfinding Plans

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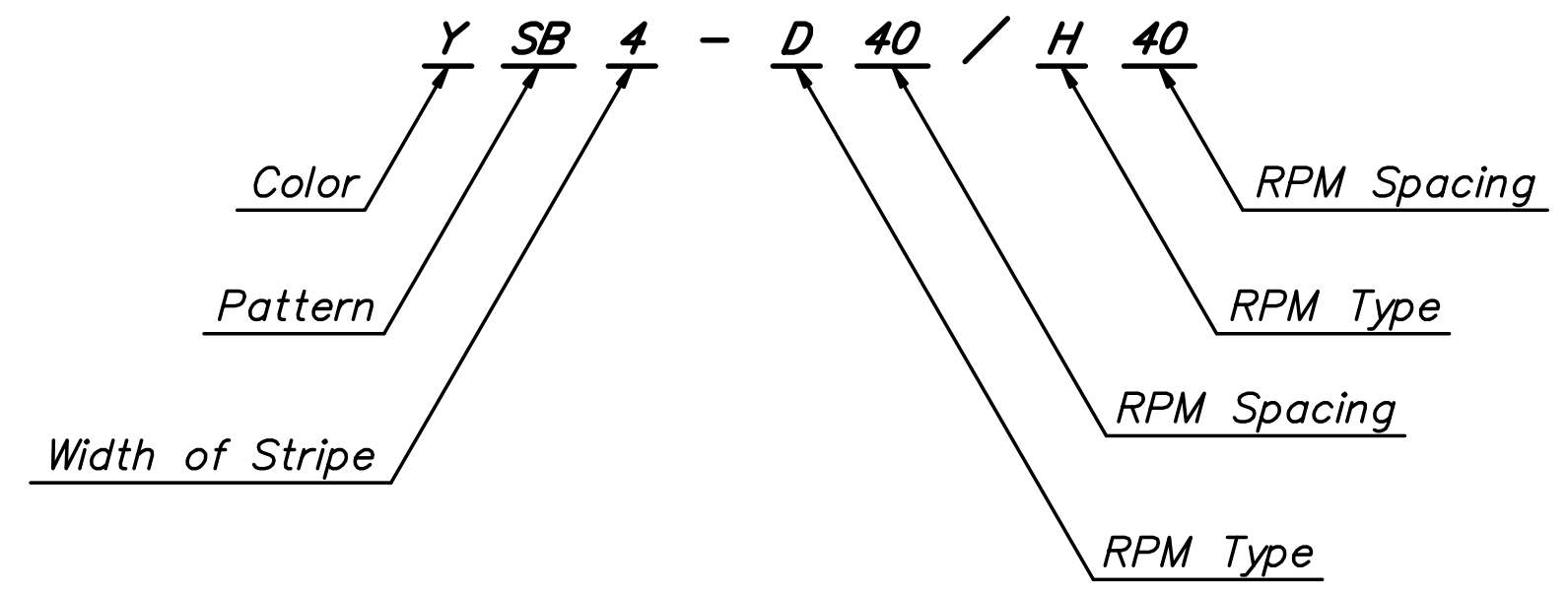
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PAVEMENT MARKING GENERAL NOTES

- All pavement markings shall conform to Pima County/City of Tucson (PC/COT) Pavement Marking Design Manual and the PAG Standards and Specifications.
- The permanent pavement markings may be modified as directed by the Engineer.
- The design vehicle for this project is SU40.
- All lane dimensions are from center of lane line, center of double lane line, face of curb, or edge of pavement unless otherwise noted.
- The pavement marking drawings are schematic only. The Contractor shall follow all dimensions, details and standards when installing pavement striping, markings and markers.
- The final longitudinal striping shall be 90 mil (0.090") thick extruded thermoplastic reflectorized striping placed over the temporary striping within 14 to 30 calendar days after completion of the final pavement surface, or as directed by the Engineer. All other markings shall be applied at the same time. Temporary striping shall be paint.
- All final transverse markings shall be extruded 90 mil (0.090") thermoplastic striping. All green pavement marking and bicycle legends shall be preformed thermoplastic pavement markings.
- The contractor shall be responsible for the layout and installation of pavement markings on final surface course. The layout of all pavement markings shall be approved by the Engineer prior to the application of materials.
- It is the contractor's responsibility to ensure that the final surface course is placed so that the striping is offset no more than one foot clear of the construction joint, unless otherwise directed by the Engineer.
- 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 temperature shall not be less than 50 degrees F. for the placement of thermoplastic striping, and 40 degrees F for the placement of RPMs.
- All raised pavement markers shall be installed so that the reflective face of each marker is facing the direction of traffic and is perpendicular to the direction of traffic flow. Type C pavement markers shall be installed so that the clear reflective face of each marker is facing approaching traffic and perpendicular to the direction of traffic flow.
- At intersection approaches on roadways with medians, Type C RPMs shall be placed as per PCDOT/COTDOT Standards or as directed by the Engineer.
- All removal of existing pavement markings shall be accomplished in accordance with Section 701 of the PAG Standard Specifications. Painting over existing striping does not constitute approved striping obliteration.
- The Engineer of record shall be required to produce as-built striping plans within 90 days of striping completion.
- Blue raised pavement markers shall be placed adjacent to fire hydrants as directed by the Engineer in the field.
- Final inspection/acceptance of Pavement Markings shall be performed by the Traffic Engineer.
- Type H raised pavement markers shall be placed on median ends as shown on Sheet 5-13 (without crosswalk) or Sheet 5-14 (with crosswalk) of the 2008 PC/COT Pavement Marking Design Manual.
- Type D raised pavement markers shall be placed at intervals of 10 ft along yellow center striping, to provide better visibility and to help guide drivers into the narrow lanes between concrete curbs and mountable curbs with flexible delineators.
- The posted speeds for local streets that are parts of Bike Boulevards shall be 20 mph. The posted speeds for collector and arterial streets in this project are listed in the table at right.

PAVEMENT MARKING QUANTITIES			
ITEM	UNIT	QTY	
PERMANENT THERMOPLASTIC PAVEMENT MARKINGS (LINEAR STRIPING), (4" EQUIVALENT)	4" WHITE (EXTRUDED, 0.090")	LIN FT	5300
	4" YELLOW (EXTRUDED, 0.090")	LIN FT	800
PERMANENT PRE-FORMED THERMOPLASTIC PAVEMENT MARKINGS	BIKE GREEN (0.120")	SQ FT	5800
	BIKE WAYFINDING LEGENDS	EACH	60
	SHARED LANE LEGEND (SHARROW)	EACH	93
REFLECTIVE PAVEMENT MARKERS	TYPE D (YELLOW, TWO-WAY)	EACH	100
PAINTED CURB	RED (NO PARKING)	LIN FT	200
MARKERS	MOUNTABLE CURB W/ DELINEATORS	LIN FT	280



LINE STYLE DESIGNATIONS

See PCDOT and COT DOT Pavement Marking Design Manual for Further Descriptions.

SIGNING QUANTITIES			
ITEM	UNIT	QTY	
SIGN PANEL SHEETING TYPE	TYPE IV - REGULATORY SIGNS	SQ FT	990
	TYPE XI - WARNING AND OVERHEAD SIGNS	SQ FT	522
SIGN POSTS	P-1 PERFORATED SIGN POSTS	LIN FT	1781
	P-1 FOUNDATIONS	EACH	144
LED ILLUMINATED SIGNS	BIKES WAIT / BIKES OK - SEE SHEET TS10	EACH	14

POSTED SPEEDS FOR THIS PROJECT

Posted speeds (mph) at intersection			
Arcadia Ave	20	Pima Street	35
Arcadia Ave	20	Speedway Blvd	35
Arcadia Ave	20	5th Street	30
Arcadia Ave	20	Broadway Blvd	40
Niven Ave	20		
Timrod St	20	Alvernon Way	40
Timrod St	20	Columbus Ave	25
17th Street	20	Swan Road	40
16th Street	20		
Wilshire Dr	20	Craycroft Rd	40

SIGNING GENERAL NOTES

- All signs shall be in compliance with the 2009 Edition of the Manual on Uniform Traffic Control Devices, 2002 Edition of the Pima County and City of Tucson Traffic Signing Design Manual, the Supplemental Specifications, these Plans, and the Special Provisions.
- Signs may be modified and locations adjusted to fit conditions as directed by the jurisdiction Traffic Engineer or Designee.
- Post lengths indicated on sign summary sheets are approximate. The Contractor shall verify actual post lengths.
- All new and existing signs shall be installed on perforated post (Square Tube), and shall be installed in a concrete foundation, unless otherwise directed by the jurisdiction Traffic Engineer or Designee.
- (a) All sign station locations are approximate. The contractor shall verify actual sign locations with the jurisdiction Traffic Engineer or Designee prior to the installation of all signs. (b) The contractor shall be responsible for coordinating all work with Blue Stake and for installing all traffic signs in the field.
- All warning sign panels shall be fluorescent yellow Diamond-Grade (Type XI or equivalent) sheeting. All School zone signs shall be fluorescent yellow-green Diamond Grade (Type XI or equivalent) sheeting. All street name signs and overhead mounted panels shall be ASTM Type XI sheeting. All other sign panels shall have High Intensity Prismatic Type IV sheeting.
- All new signs shall have aluminum backing, unless otherwise specified.
- All existing traffic signs whose messages or locations are in conflict with new or proposed signs should be removed and salvaged unless specifically called out to remain on the signing plan sheets. In particular, all of the following signs shall be removed: SPEED LIMIT 25 (R2-1), BIKE ROUTE (D11-1), and Route Marker Signs (M-6 series).
- All existing signs to be removed as part of this project are to be delivered to the City of Tucson Sign Shop at 4004 S. Park Ave. (791-3154). The Contractor is responsible for unloading the salvaged material. Any salvaged sign that is to be reused shall be temporarily stored in a safe location until reinstallation.
- Removal shall be in accordance with section 202-3.06 of the 2015 PAG Standard Specifications for Public Improvements.
- Final inspection/acceptance of signing shall be performed by the jurisdiction Traffic Engineer or Designee.
- The distances for advance placement of warning signs for condition 3 (warning of a potential stop condition) is 100 ft for speeds ≤ 35 mph and 125 ft for 40 mph (2009 MUTCD Arizona Supplement, Table 2C-4).
- Minimum setbacks of signs for this project are as follows:
 Stop bars 50' from crosswalk or crossing
 R10-11 sign At stop bar
 W11-15 sign 150' from crosswalk or crossing, but greater setbacks are better, and can be up to 600' if required by scarcity of roadside locations.
 (PC-COT Pavement Marking Design Manual, 2008, Sheets 6-4, 6-4.1, 6-4.2)
- All existing 25 MPH speed limit signs along the Bike Blvd route/roadway shall be removed and replaced with Bike Blvd 20 MPH speed limit signs (Sign No. 8) as described on Sheet SG03 and as located on Sheets WF01-06 and sign summary sheets.

PAVEMENT MARKING AND SIGNING GENERAL NOTES

ADOT TRACS No. 0000 PM TUC T0129 01C
Federal Project No. TAP-TUC-0(264)D SG01 of 11

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

ARCADIA AND TIMROD BICYCLE BOULEVARDS
GRANT ROAD TO EASTLAND ST AND ALVERNON WAY TO CRAYCROFT RD
Intersection Marking & Signing Sheets

PSOMAS
333 E. Wilmore Road, Suite 450
Tucson, AZ 85705
(520) 292-2300 (520) 292-1290 fax
www.psomas.com

CITY OF TUCSON

Professional Engineer
34738
KEVIN TODD THORNTON
01/30/20
AZ 00000000
Expires 03/31/21

NO.	DATE	REVISION	BY	CHKD.	APPR.

Approvals	Signatory	Date

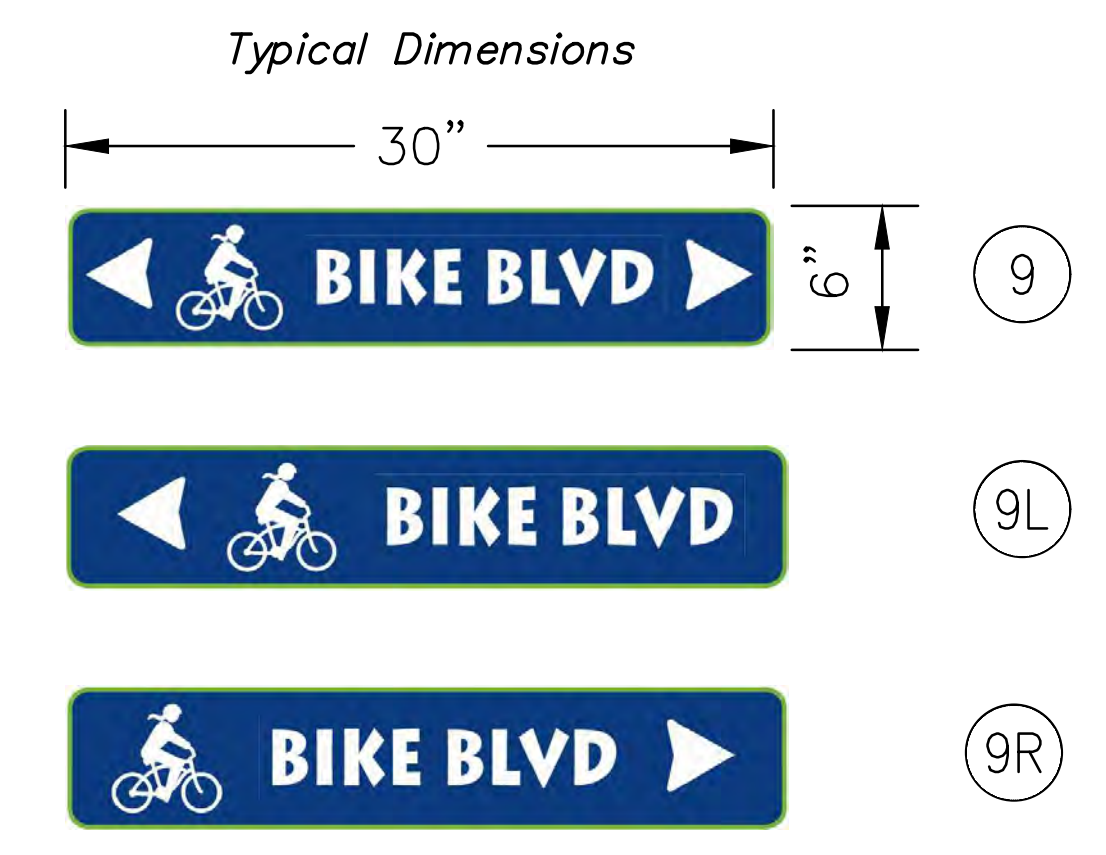
Approved: _____ 20__

TRANSPORTATION DIRECTOR

REF. _____ SCALE: _____

DRWN. BY RCS 2019 DSGN. BY RCS 2019 CHKD. BY KT 2020 PLAN NO. U-2018-011

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1 Route Identification (24" x 36")
 1L Route Identification (24" x 36")
 1R Route Identification (24" x 36")
 2 Route Identification (24" x 36")
 3 Bike Blvd Directional Signage (24" x 36")



4 Bike Blvd Directional Signage (24" x 36")
 5L Directional Signage (24" x 36")
 5R Directional Signage (24" x 36")
 6 Bike Blvd Directional Signage (24" x 36")
 7 Bike Blvd Directional Signage (24" x 36")
 8 Bike Blvd Speed Limit (24" x 48")

- Notes:
1. High quality images will be provided to the contractor for fabrication of the wayfinding signs.
 2. See Special Provisions for additional information regarding the Bike Blvd Way Finding striping and signing.
 3. Directional sharrows shall be centered in travel lanes where parking is not allowed. Where parking is allowed, directional sharrows shall be centered between the road centerline and the spaces or areas allowed for parking.
 4. All existing 25 MPH signs along the Bike Blvd route/roadway shall be removed.
 5. Signs 9, 9L and 9R shall be installed above the existing street name signs as noted in the direction of the Bike Blvd street. Locations are noted on the Way Finding Sheets WF01-06. Necessary clamps are considered incidental to the cost of the sign. The total quantity for signs 9, 9L, and 9R is 63 EA for a total of 79 SF paid under Item 6080018.

BIKE BLVD WAY FINDING SIGNS

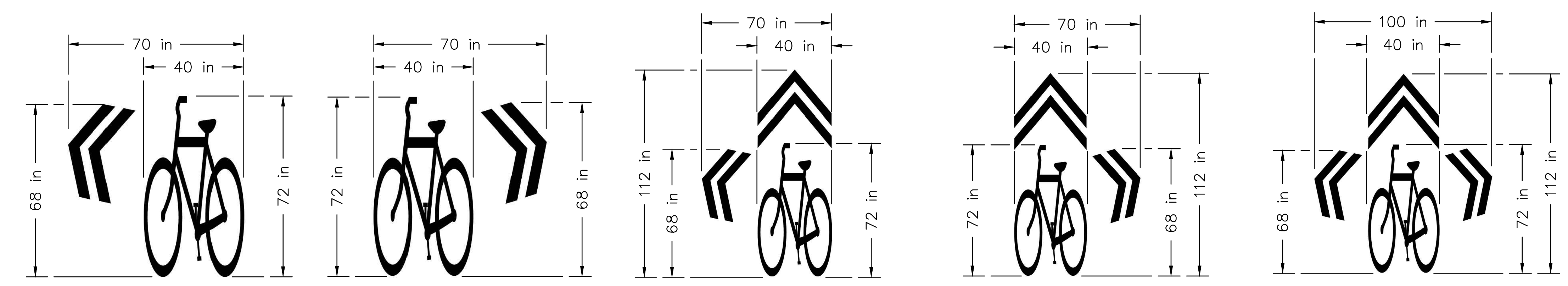
ARCADIA ALIGNMENT

TIMROD ALIGNMENT

Station	Offset	Lane	Direction
163+58	Rt	SB	Th-Rt
164+94	Lt	NB	Lt-Th
165+26	Rt	SB	Lt-Th
166+45	Lt	NB	Th-Rt
233+68	Rt	SB	Lt-Th-Rt
235+25	Lt	NB	Lt-Th-Rt

Station	Offset	Lane	Direction
230+08	Rt	EB	Rt
231+13	Lt	WB	Lt
235+59	Rt	EB	Lt
236+81	Lt	WB	Rt
5+69	Rt	EB	Rt
267+20	Rt	EB	Lt
268+40	Lt	WB	Rt
280+51	Rt	EB	Lt-Th-Rt
282+34	Lt	WB	Lt-Th-Rt

DIRECTIONAL SHARROW LOCATIONS



Sharrow (Left)
 Sharrow (Right)
 Sharrow (Thru Left)
 Sharrow (Thru Right)
 Sharrow (Flower)

DIRECTIONAL SHARROW MARKING DETAILS

SIGNING DETAILS

ADOT TRACS No. 0000 PM TUC T0129 01C
 Federal Project No. TAP-TUC-0(264)D

SG03 of 11

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

ARCADIA AND TIMROD BICYCLE BOULEVARDS
 GRANT ROAD TO EASTLAND ST AND ALVERNON WAY TO CRAYCROFT RD

Intersection Marking & Signing Sheets

PSOMAS
 333 E. Wilmore Road, Suite 450
 Tucson, AZ 85705
 (520) 292-2300 (520) 292-1290 fax
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CITY OF TUCSON

Professional Engineer
 34738
 KEVIN TODD THORNTON
 04/02/20
 ARIZONA U.S.A.
 Expires 03/31/21

NO.	DATE	REVISION	BY	CHKD.	APPR.

Approvals	Signatory	Date

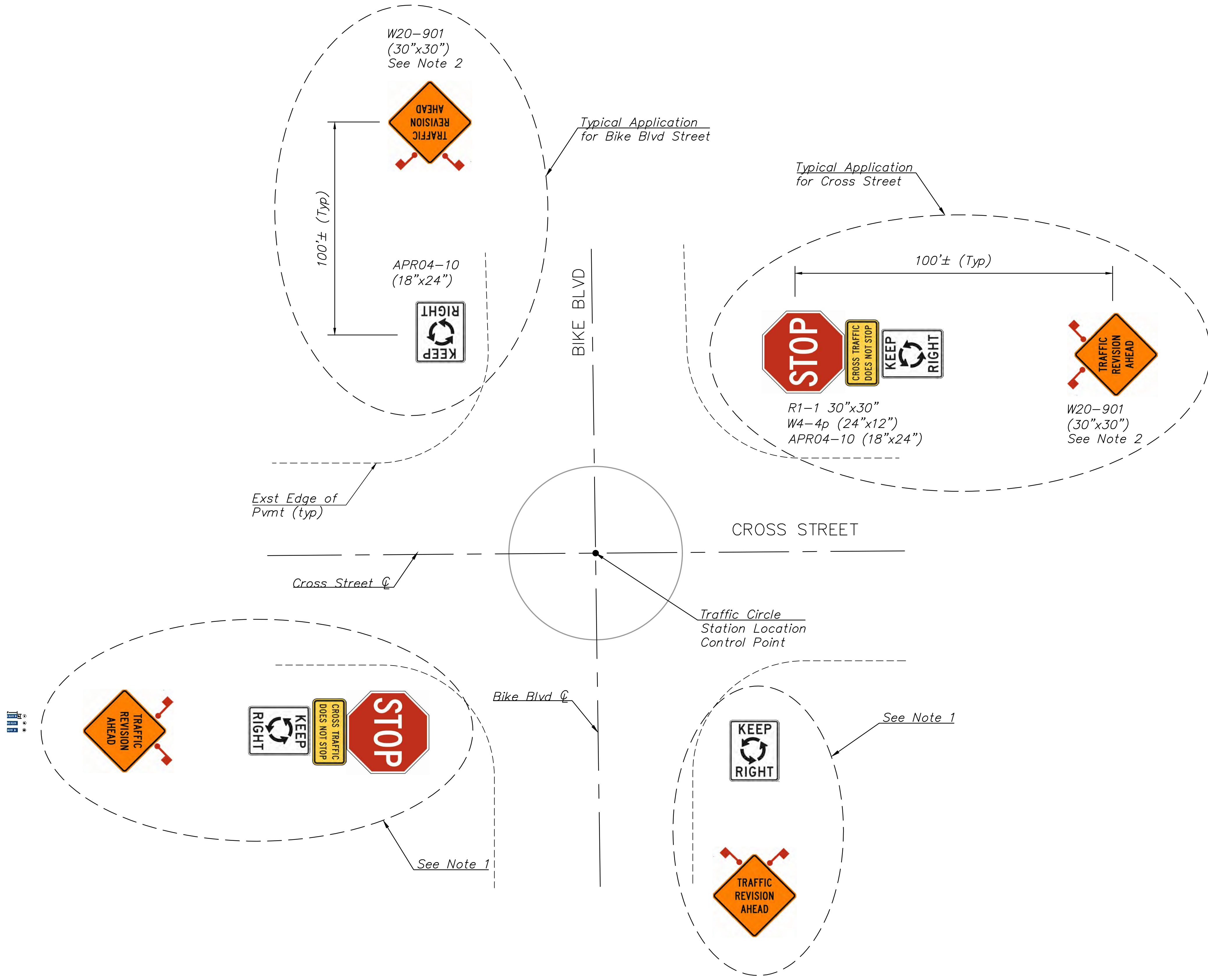
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TRANSPORTATION DIRECTOR

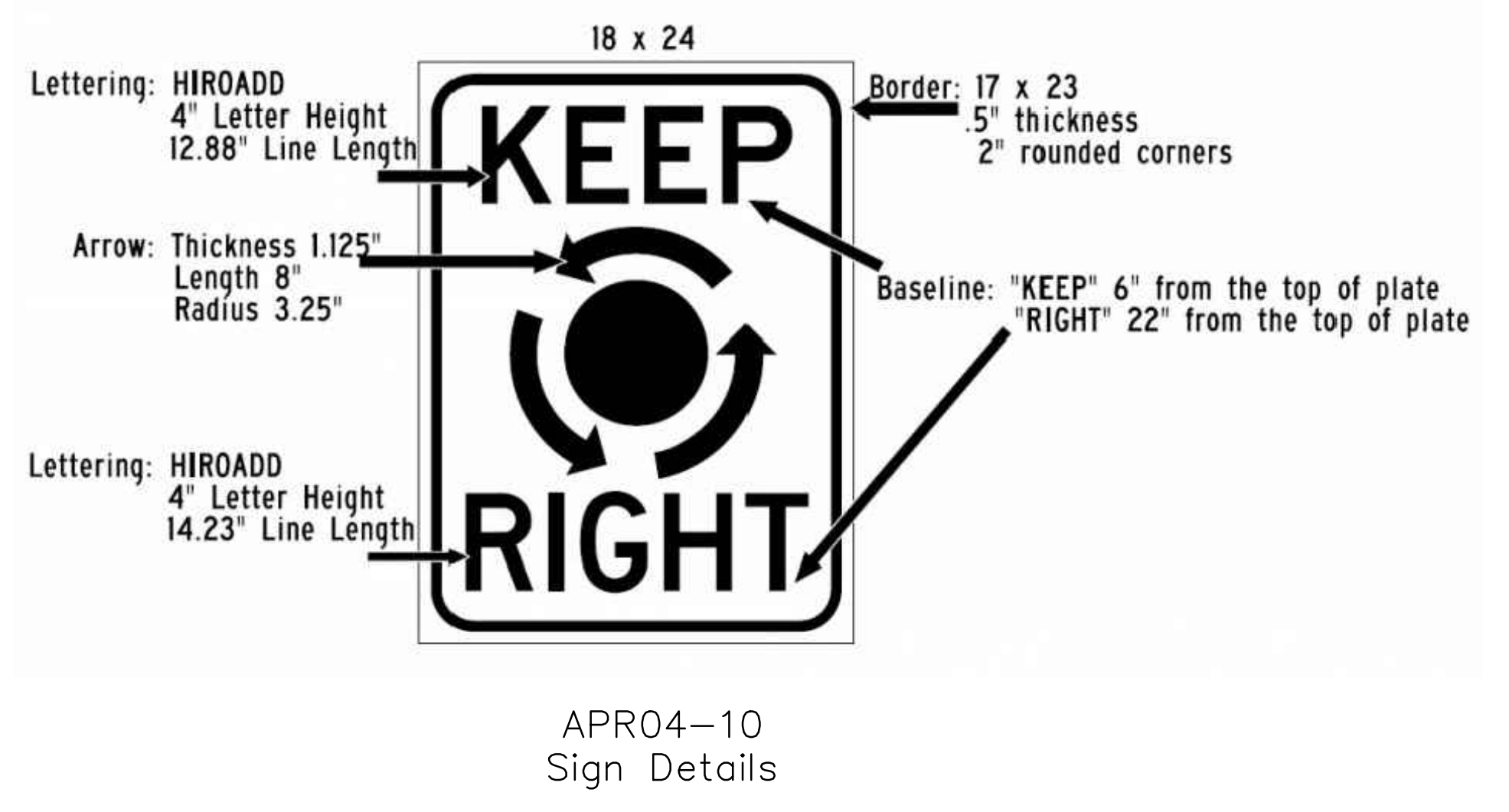
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DRWN. BY VALUE 20 19 DSGN. BY VALUE 20 19 CHKD. BY VALUE 20 20 PLAN NO. U-2018-011

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TYPICAL INTERSECTION SIGNING

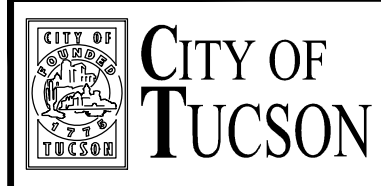


- Notes:
1. Sign spacing shall follow corresponding typical arrangement as shown.
 2. TRAFFIC REVISION AHEAD signs, with flags, shall be placed immediately after traffic circle is constructed and shall be used at all approaches. The contractor shall also provide signage (temporary or new) for all-way stop control for a minimum of two-weeks. The TRAFFIC REVISION AHEAD signs shall be kept in place an additional two-week minimum after final signage is in place.

ID#	Bike Blvd Street	Cross Street
TC-01	Arcadia	Fairmount
TC-02	Arcadia	Baker
TC-03	Niven	12th
TC-04	Niven	Scarlett
TC-05	Niven	Cecelia
TC-06	Niven	Winsett
	Winsett	Niven
TC-07	Niven	Montecito
TC-08	Timrod	Irving
TC-09	Timrod	Bryant

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ADOT TRACS No. 0000 PM TUC T0129 01C
Federal Project No. TAP-TUC-0(264)D SG04 of 11

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION
ARCADIA AND TIMROD BICYCLE BOULEVARDS
GRANT ROAD TO EASTLAND ST AND ALVERNON WAY TO GRAYCROFT RD
Intersection Marking & Signing Sheets

NO.	DATE	REVISION	BY	CHKD.	APPR.

Approvals	Signatory	Date	Approved

TRANSPORTATION DIRECTOR

REF. _____ SCALE: _____

DRWN. BY RCS_2019 DSGN. BY RCS_2019 CHKD. BY KT_2020 PLAN NO. U-2018-011

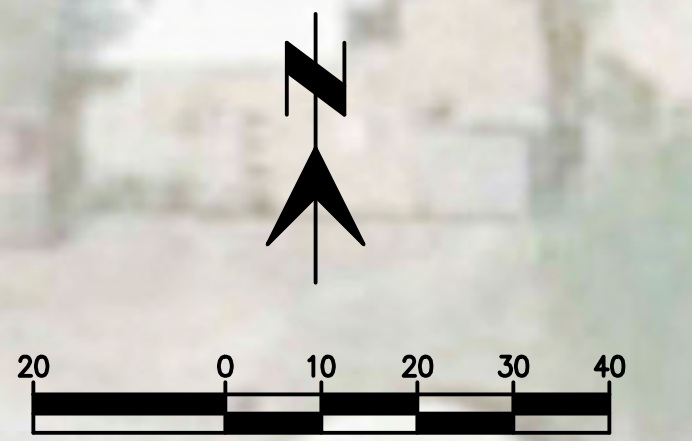
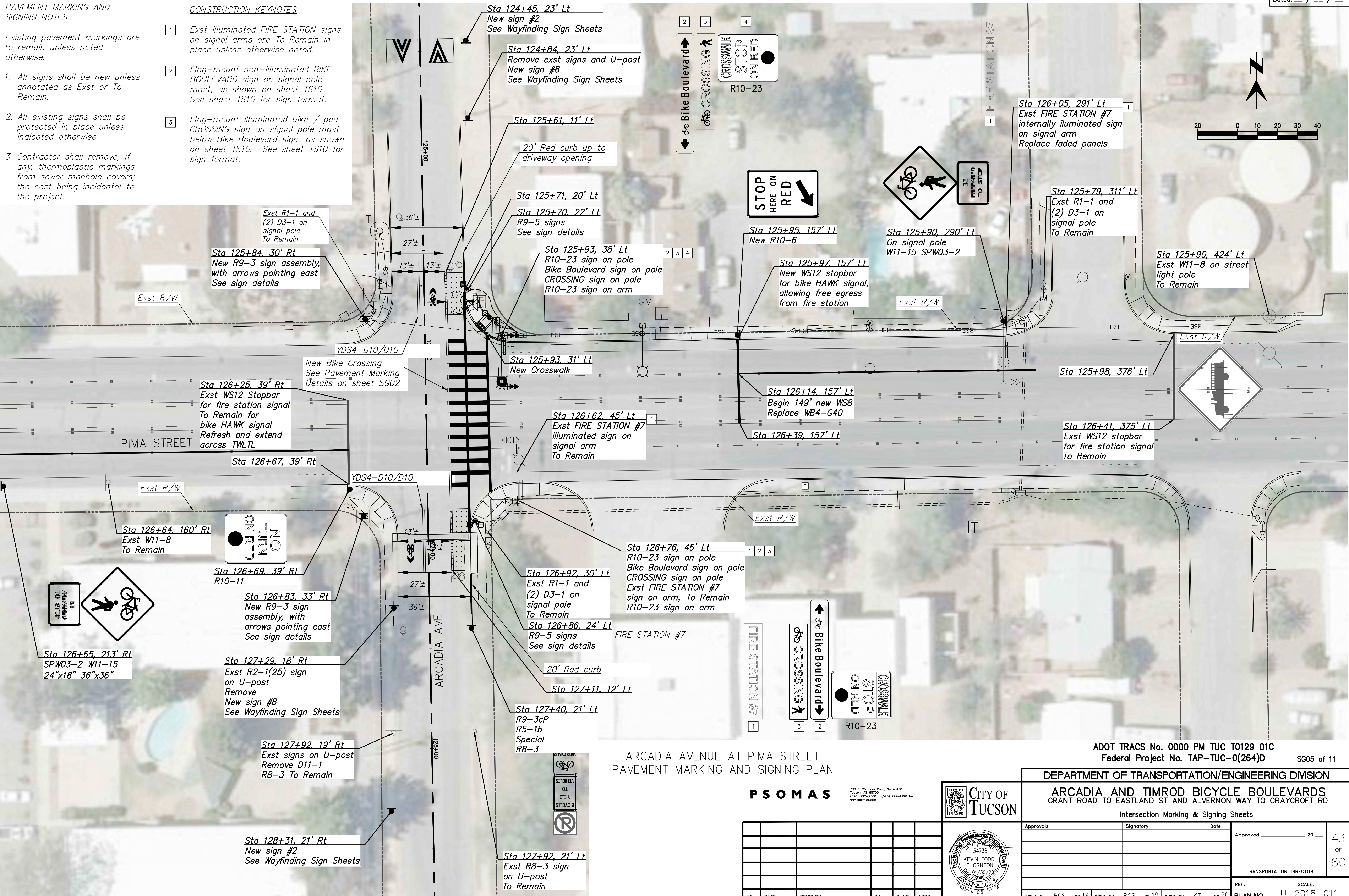
PAVEMENT MARKING AND SIGNING NOTES

Existing pavement markings are to remain unless noted otherwise.

- All signs shall be new unless annotated as Exst or To Remain.
- All existing signs shall be protected in place unless indicated otherwise.
- Contractor shall remove, if any, thermoplastic markings from sewer manhole covers; the cost being incidental to the project.

CONSTRUCTION KEYNOTES

- Exst illuminated FIRE STATION signs on signal arms are To Remain in place unless otherwise noted.
- Flag-mount non-illuminated BIKE BOULEVARD sign on signal pole mast, as shown on sheet TS10. See sheet TS10 for sign format.
- Flag-mount illuminated bike / ped CROSSING sign on signal pole mast, below Bike Boulevard sign, as shown on sheet TS10. See sheet TS10 for sign format.

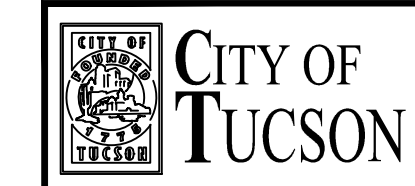


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ARCADIA AVENUE AT PIMA STREET
PAVEMENT MARKING AND SIGNING PLAN

ADOT TRACS No. 0000 PM TUC T0129 01C
Federal Project No. TAP-TUC-0(264)D SG05 of 11

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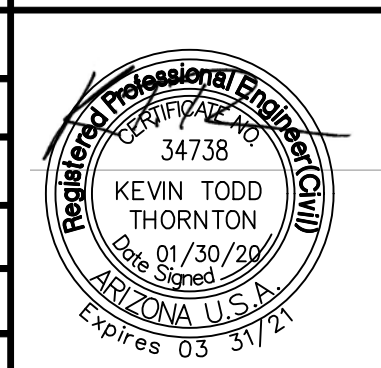


DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

ARCADIA AND TIMROD BICYCLE BOULEVARDS
GRANT ROAD TO EASTLAND ST AND ALVERNON WAY TO CRAYCROFT RD

Intersection Marking & Signing Sheets

NO.	DATE	REVISION	BY	CHKD.	APPR.



Approvals	Signature	Date	Approved	Count
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				43
				80

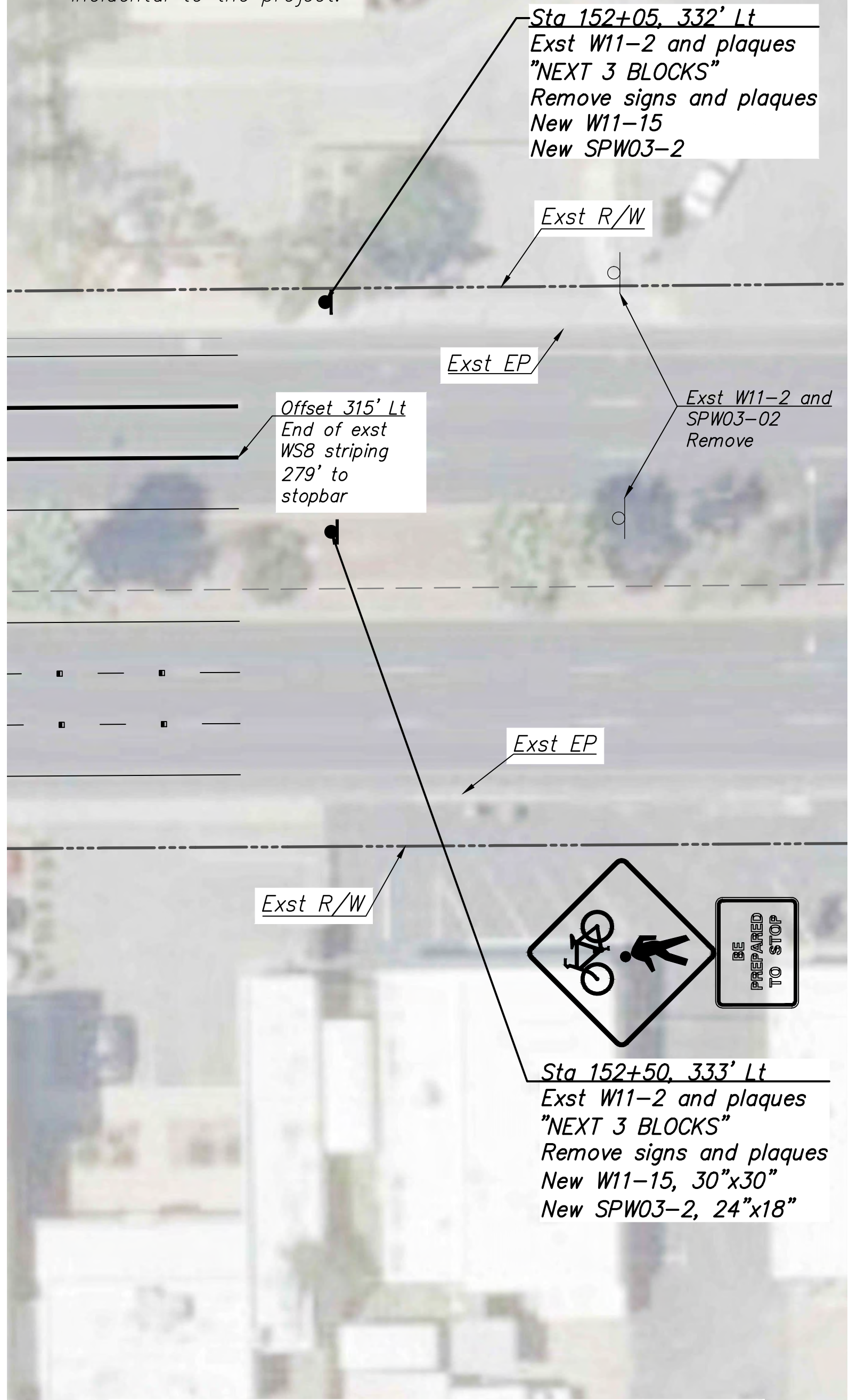
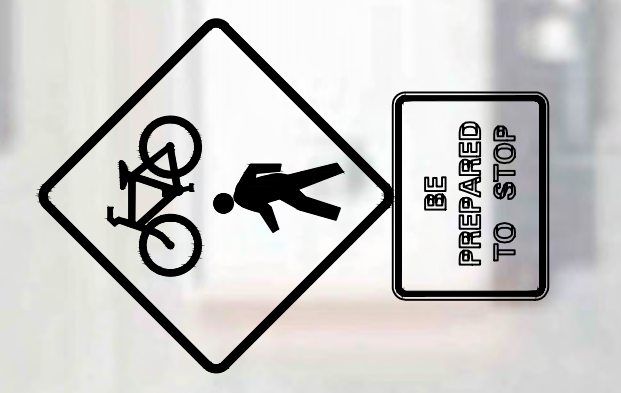
TRANSPORTATION DIRECTOR

REF. SCALE: U-2018-011

DRWN. BY RCS_2019 DSGN. BY RCS_2019 CHKD. BY KT_2020 PLAN NO. U-2018-011

PAVEMENT MARKING AND SIGNING NOTES

- Existing pavement markings are to remain unless noted otherwise.
- All signs shall be new unless annotated as existing.
- All existing signs shall be protected in place unless indicated otherwise.
- Contractor shall remove, if any, thermoplastic markings from sewer manhole covers; the cost being incidental to the project.



ARCADIA AVENUE AT SPEEDWAY BOULEVARD
PAVEMENT MARKING AND SIGNING PLAN

ADOT TRACS No. 0000 PM TUC T0129 01C
Federal Project No. TAP-TUC-0(264)D SG06 of 11

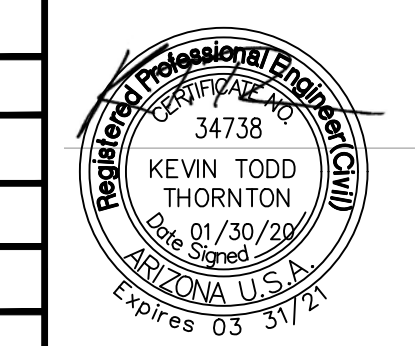
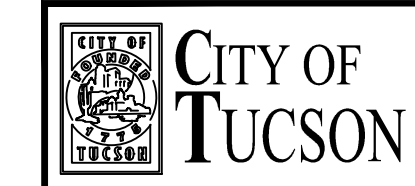
DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

ARCADIA AND TIMROD BICYCLE BOULEVARDS
GRANT ROAD TO EASTLAND ST AND ALVERNON WAY TO CRAYCROFT RD

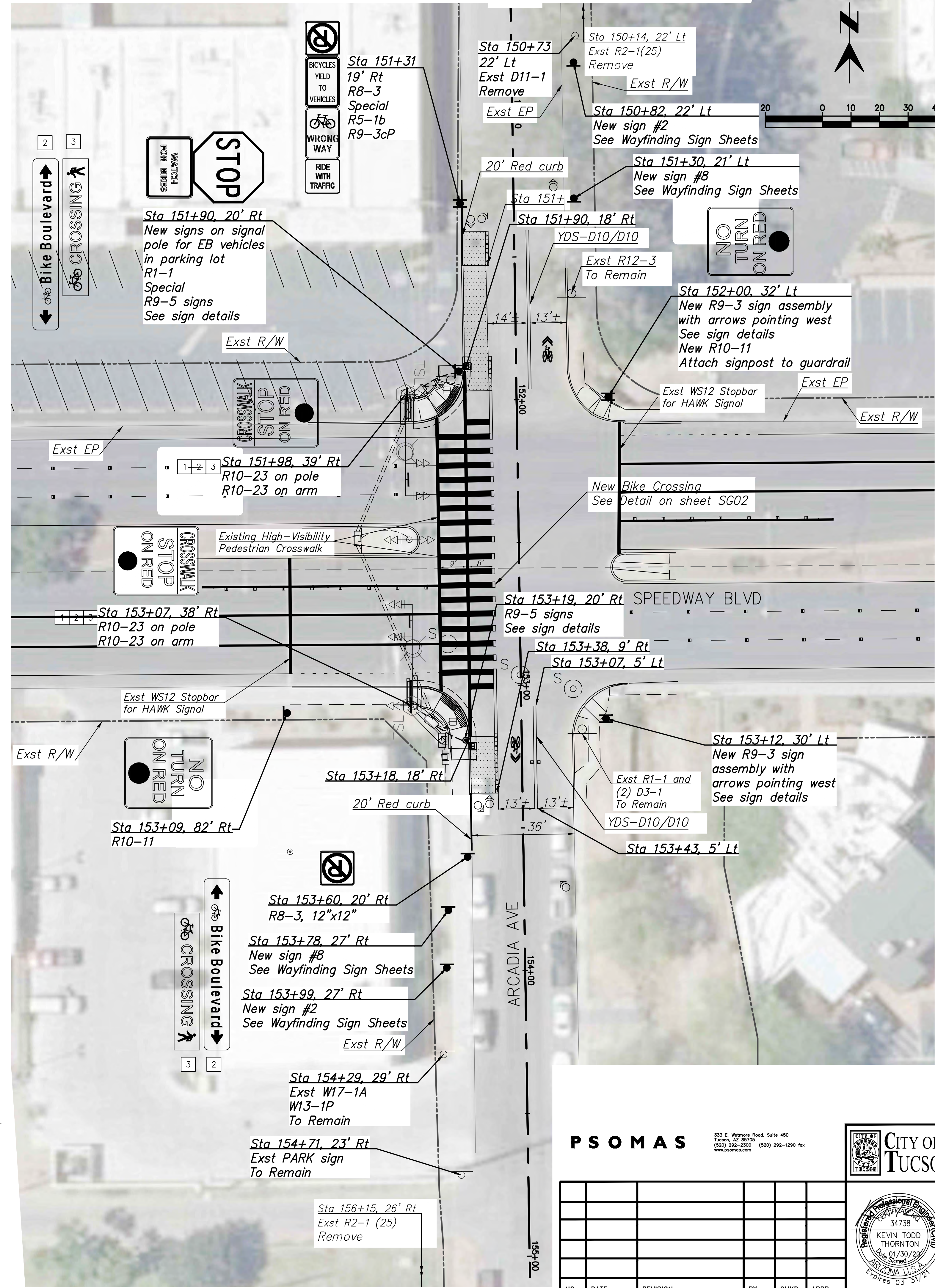
Intersection Marking & Signing Sheets

Approvals	Signatory	Date	Approved	20	44
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TRANSPORTATION DIRECTOR					
REF. SCALE:					
DRWN. BY	RCS	20 19	DSGN. BY	RCS	20 19
CHKD. BY	KT	20 20	PLAN NO.	U-2018-011	

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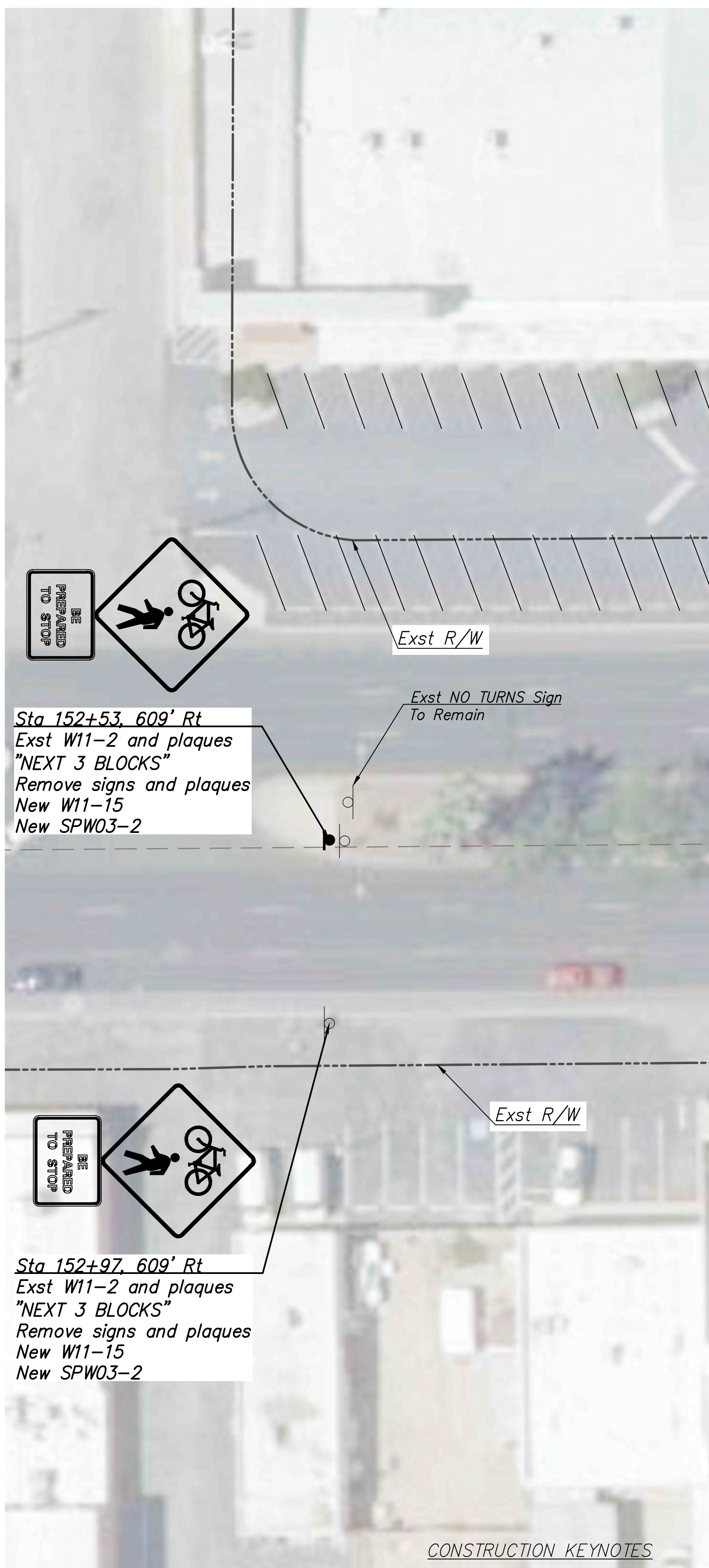


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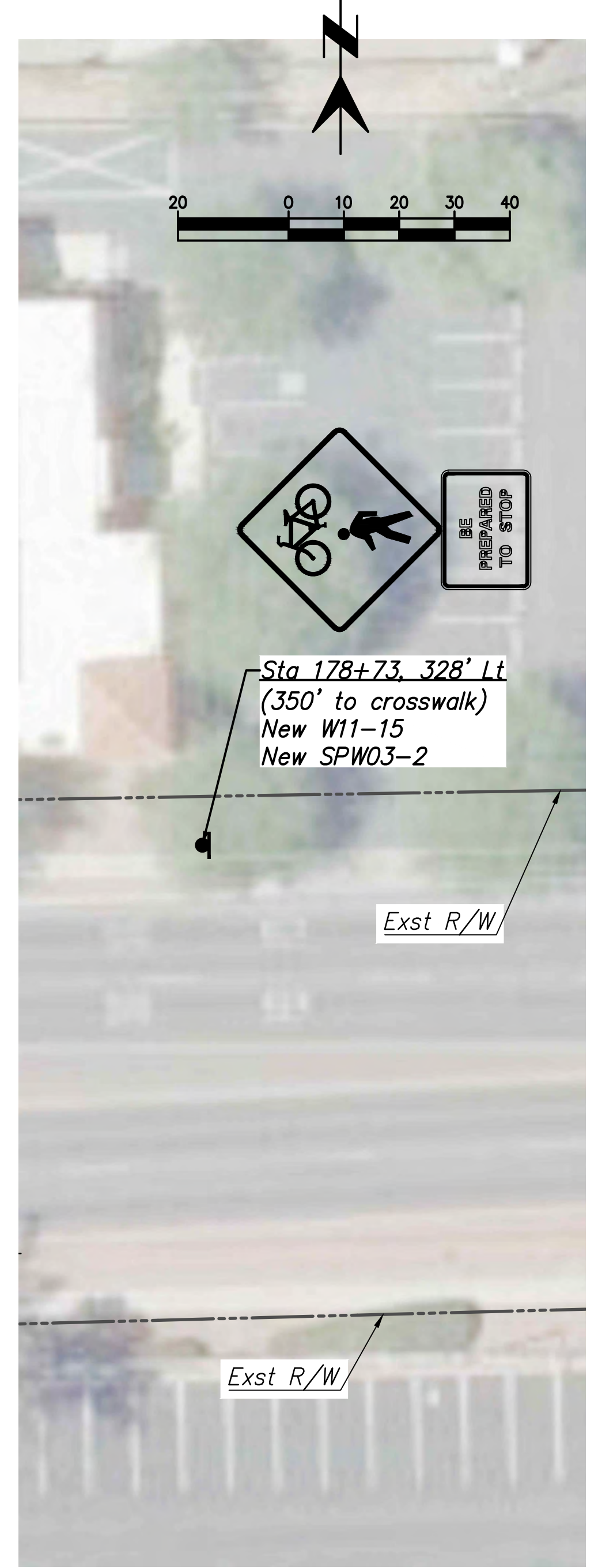
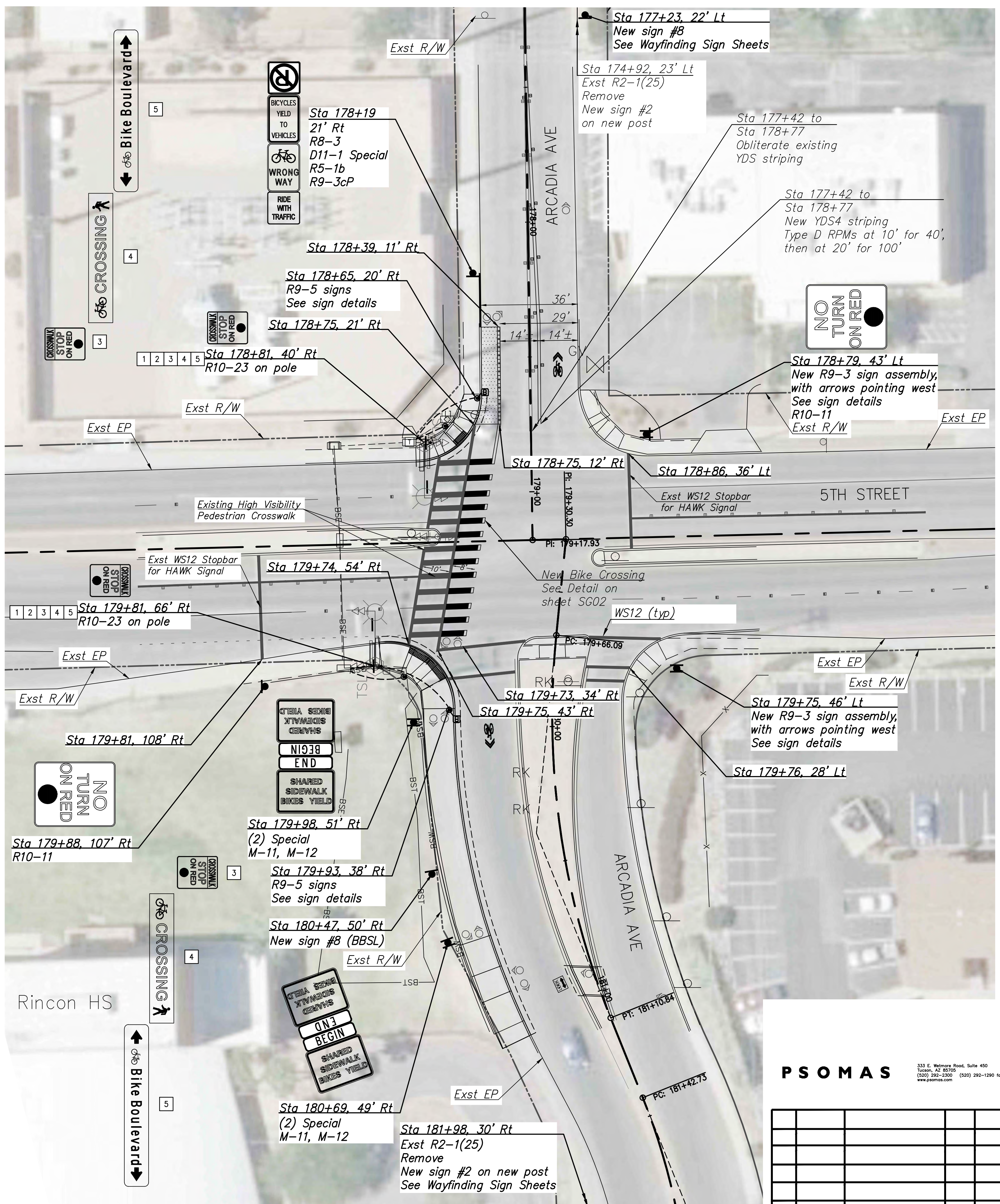


CONSTRUCTION KEYNOTES

- Remove exst illuminated CROSSWALK sign on signal arm.
- Flag-mount non-illuminated BIKE BOULEVARD sign on signal pole mast, as shown on sheet TS10. See sheet TS10 for sign format.
- Flag-mount illuminated bike / ped CROSSING sign on signal pole mast, below Bike Boulevard sign, as shown on sheet TS10. See sheet TS10 for sign format.



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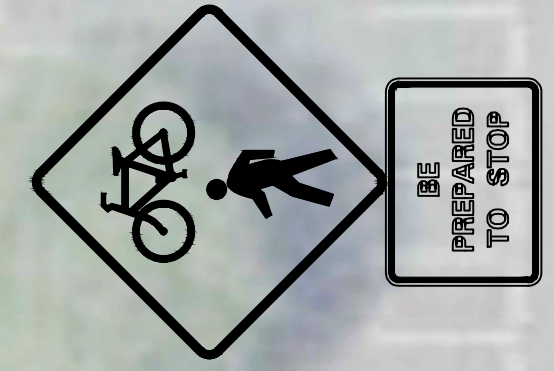
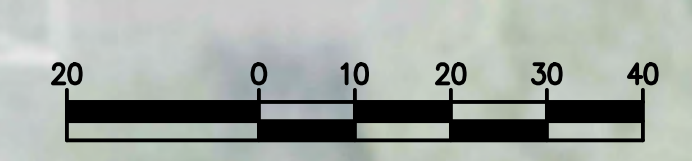


PAVEMENT MARKING AND SIGNING NOTES

- Existing pavement markings are to remain unless noted otherwise.
- All signs shall be new unless annotated as existing.
- All existing signs shall be protected in place unless indicated otherwise.
- Contractor shall remove, if any, thermoplastic markings from sewer manhole covers; the cost being incidental to the project.

CONSTRUCTION KEYNOTES

- Existing signal poles are Type E, 16 ft tall, with no luminaire arms.
- Remove exst illuminated PEDESTRIAN CROSSING sign on signal arm.
- Mount R10-23 sign next to F Mod face on signal arm.
- Hang new illuminated bike/ped CROSSING sign on signal arm with Zap brackets, inboard of R10-23 sign. See sheet TS10 for format.
- Hang new non-illuminated Bike Boulevard sign on signal arm with Zap brackets, inboard of CROSSING sign. See sheet TS10 for format.



Sta 178+73, 328' Lt
 (350' to crosswalk)
 New W11-15
 New SPW03-2

Exst R/W

ARCADIA AVENUE AT 5TH STREET
 PAVEMENT MARKING AND SIGNING PLAN

ADOT TRACS No. 0000 PM TUC T0129 01C
 Federal Project No. TAP-TUC-0(264)D SG07 of 11

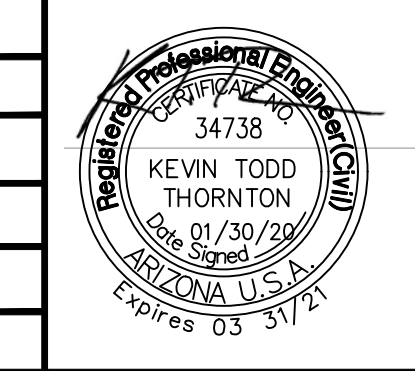
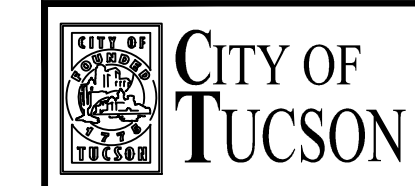
DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

ARCADIA AND TIMROD BICYCLE BOULEVARDS
 GRANT ROAD TO EASTLAND ST AND ALVERNON WAY TO CRAYCROFT RD

Intersection Marking & Signing Sheets

Approvals	Signatory	Date	Approved	20	45
					80
TRANSPORTATION DIRECTOR					
REF. SCALE:					
DRWN. BY RCS 2019 DSGN. BY RCS 2019 CHKD. BY KT 2020					PLAN NO. U-2018-011

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PAVEMENT MARKING AND SIGNING NOTES

- Existing pavement markings are to remain unless noted otherwise.
- All signs shall be new unless annotated as existing.
- All existing signs shall be protected in place unless indicated otherwise.
- Sign dimensions will be listed in a sign summary in future submittals.
- Contractor shall remove, if any, thermoplastic markings from sewer manhole covers; the cost being incidental to the project.

CONSTRUCTION KEYNOTES

- Remove exst illuminated CROSSWALK sign on signal arm.
- Flag-mount non-illuminated BIKE BOULEVARD sign on signal pole mast, as shown on sheet TS10. See sheet TS10 for sign format.
- Flag-mount illuminated bike / ped CROSSING sign on signal pole mast, below Bike Boulevard sign, as shown on sheet TS10. See sheet TS10 for sign format.

ARCADIA AVE / BROADWAY BLVD / NIVEN AVE
 PAVEMENT MARKING AND SIGNING PLAN

ADOT TRACS No. 0000 PM TUC T0129 01C
 Federal Project No. TAP-TUC-0(264D) SG08 of 11

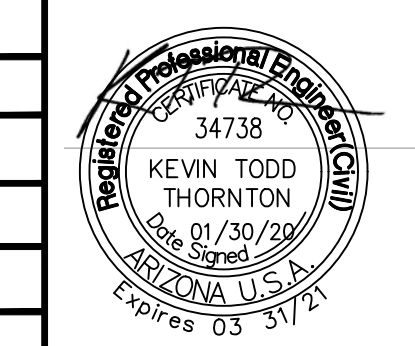
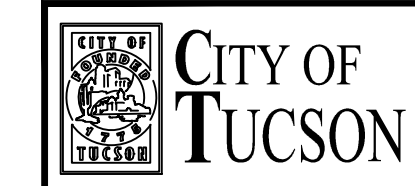
DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

ARCADIA AND TIMROD BICYCLE BOULEVARDS
 GRANT ROAD TO EASTLAND ST AND ALVERNON WAY TO CRAYCROFT RD

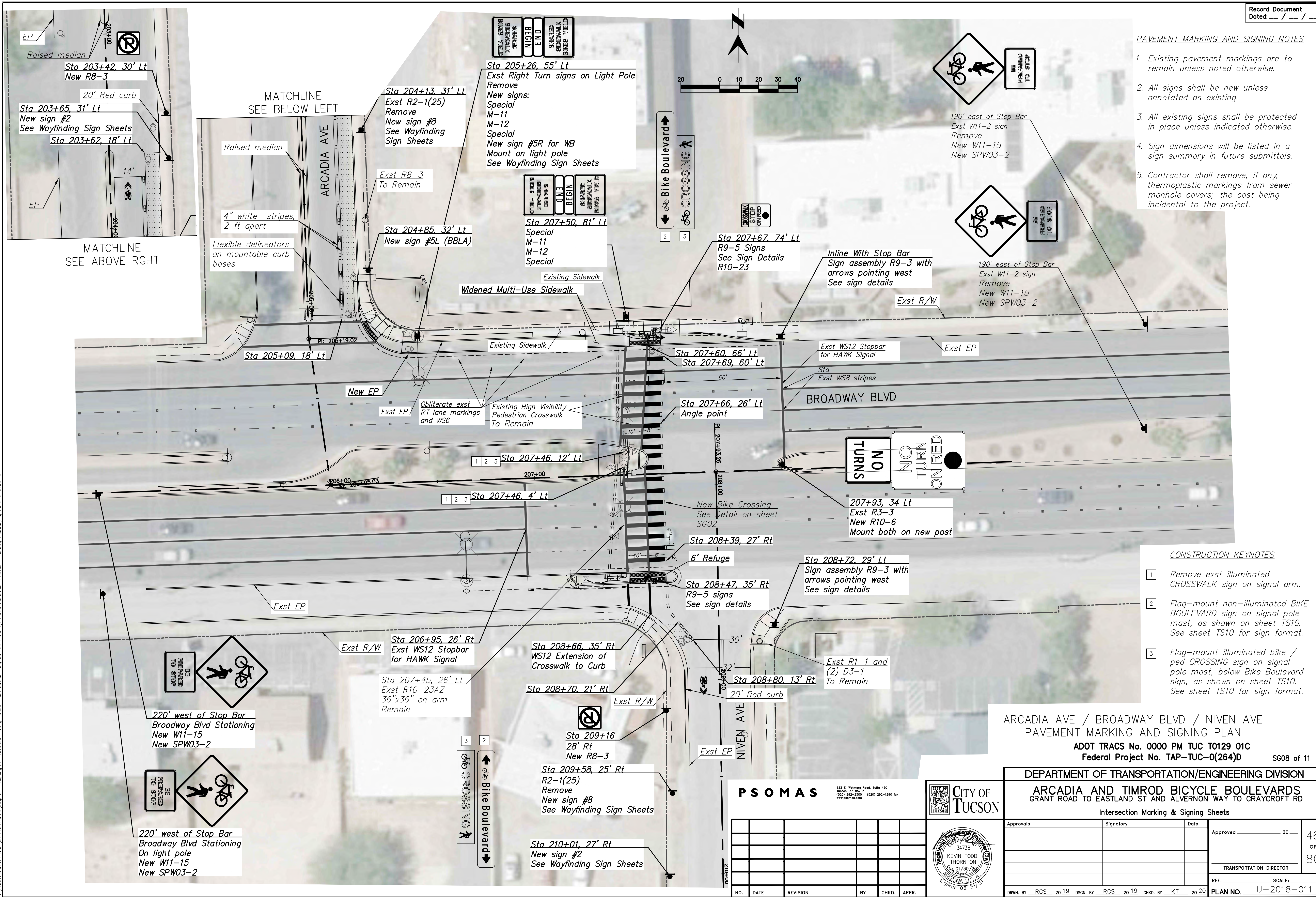
Intersection Marking & Signing Sheets

Approvals	Signature	Date	Approved	20	46
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REF. SCALE:					
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CHKD. BY	KT	20 20	PLANNING	U-2018-011	

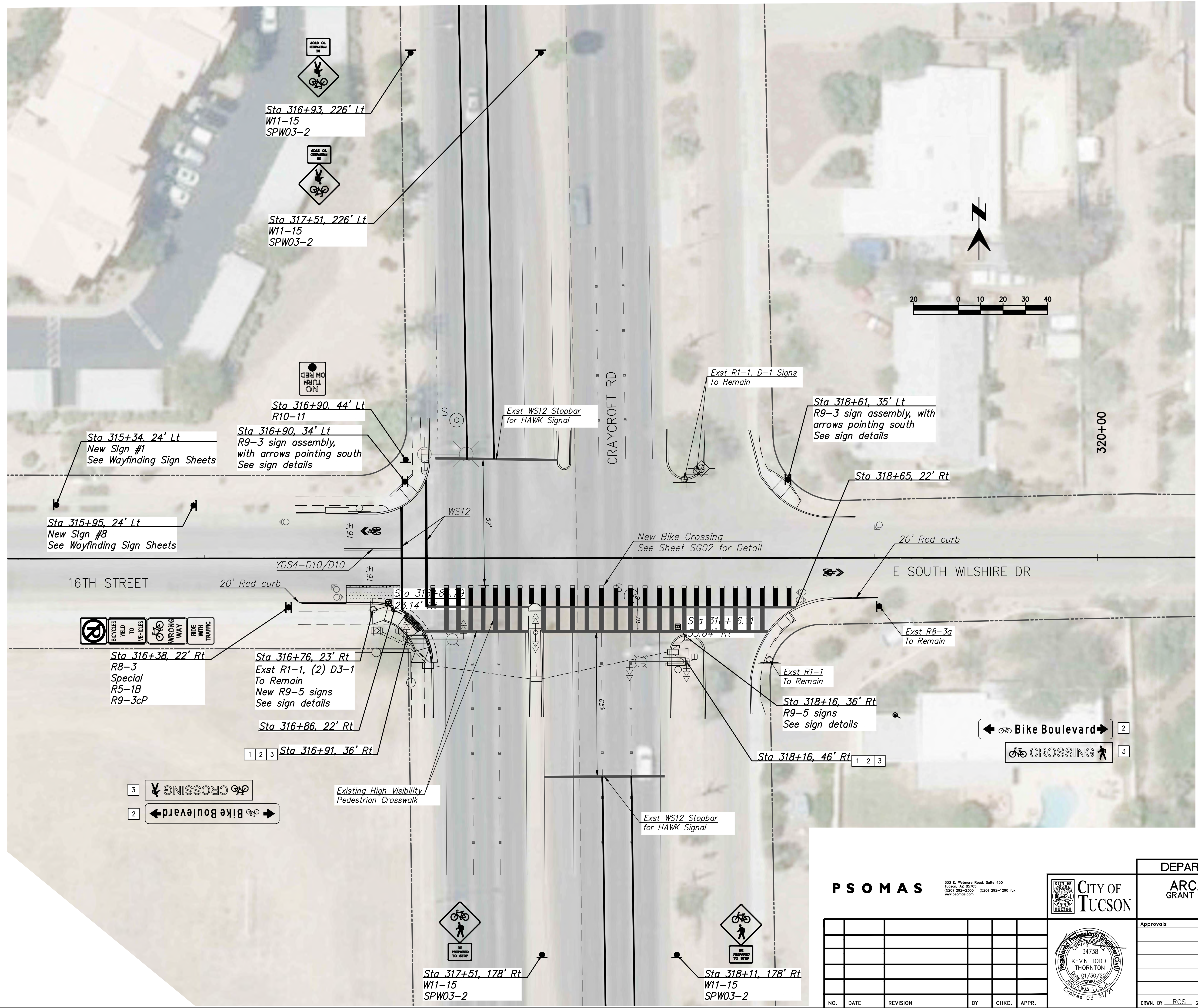
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 Plotted: Monday, February 3, 2020 1:46:00 PM



PAVEMENT MARKING AND SIGNING NOTES

1. Existing pavement markings are to remain unless noted otherwise.
2. All signs shall be new unless annotated as existing.
3. All existing signs shall be protected in place unless indicated otherwise.
4. Sign dimensions will be listed in a sign summary in future submittals.
5. Contractor shall remove, if any, thermoplastic markings from sewer manhole covers; the cost being incidental to the project.

CONSTRUCTION KEYNOTES

- 1 Remove exst illuminated CROSSWALK sign on signal arm.
- 2 Flag-mount non-illuminated BIKE BOULEVARD sign on signal pole mast, as shown on sheet TS10. See sheet TS10 for sign format.
- 3 Flag-mount illuminated bike / ped CROSSING sign on signal pole mast, below Bike Boulevard sign, as shown on sheet TS10. See sheet TS10 for sign format.

16TH ST / CRAYCROFT RD / WILSHIRE DR
PAVEMENT MARKING AND SIGNING PLAN

ADOT TRACS No. 0000 PM TUC T0129 01C
Federal Project No. TAP-TUC-0(264)D SG11 of 11

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DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

ARCADIA AND TIMROD BICYCLE BOULEVARDS
GRANT ROAD TO EASTLAND ST AND ALVERNON WAY TO CRAYCROFT RD

Intersection Marking & Signing Sheets

NO.	DATE	REVISION	BY	CHKD.	APPR.

Approvals	Signatory	Date	Approved	
				20
				49
				OF
				80
				TRANSPORTATION DIRECTOR
				REF. SCALE:
				PLAN NO. U-2018-011

T:\V101570201\TRANSF\SHETS\Traffic\Shelton - Signing\A-1018505-11.dwg - SG11 - Last Saved: Mon, 03 Feb 2020 11:46:32 AM

ARCADIA-TIMROD BIKE BOULEVARD
WAYFINDING SIGNS

STATION	OFFSET		SIGN CODE	LEGEND	WIDTH (IN)	HEIGHT (IN)	AREA (S.F.)	MINIMUM SHEETING TYPE	NO. POSTS	POST TYPE	TOTAL LENGTH (FT)
ARCADIA ALIGNMENT											
100+94	26'	Rt	BB 8	Bicycle Boulevard SPEED LIMIT 20	24	48	8.0	IV	1	P-1	13.0
102+12	27'	Rt	BB 2	Arcadia Bike Blvd	24	36	6.0	IV	1	P-1	12.0
124+45	23'	Lt	BB 2	Arcadia Bike Blvd	24	36	6.0	IV	1	P-1	12.0
124+84	23'	Lt	BB 8	Bicycle Boulevard SPEED LIMIT 20	24	48	8.0	IV	1	P-1	13.0
127+29	18'	Rt	BB 8	Bicycle Boulevard SPEED LIMIT 20	24	48	8.0	IV	1	P-1	13.0
128+31	21'	Rt	BB 2	Arcadia Bike Blvd	24	36	6.0	IV	1	P-1	12.0
150+82	22'	Lt	BB 2	Arcadia Bike Blvd	24	36	6.0	IV	1	P-1	12.0
151+30	21'	Lt	BB 8	Bicycle Boulevard SPEED LIMIT 20	24	48	8.0	IV	1	P-1	13.0
153+78	27'	Rt	BB 8	Bicycle Boulevard SPEED LIMIT 20	24	48	8.0	IV	1	P-1	13.0
153+99	27'	Rt	BB 2	Arcadia Bike Blvd	24	36	6.0	IV	1	P-1	12.0
163+58	28'	Rt	BB 6	3rd-University Rt, Lt	24	36	6.0	IV	1	P-1	12.0
164+43	66'	Rt	BB 7	3rd-University Rt ahead / Arcadia Lt, Rt	24	36	6.0	IV	1	P-1	12.0
165+57	56'	Lt	BB 7	3rd-University Rt ahead / Arcadia Lt, Rt	24	36	6.0	IV	1	P-1	12.0
166+47	32'	Lt	BB 6	3rd-University Rt, Lt	24	36	6.0	IV	1	P-1	12.0
174+92	23'	Lt	BB 2	Arcadia Bike Blvd	24	36	6.0	IV	1	P-1	12.0
177+23	22'	Lt	BB 8	Bicycle Boulevard SPEED LIMIT 20	24	48	8.0	IV	1	P-1	13.0
180+47	50'	Rt	BB 8	Bicycle Boulevard SPEED LIMIT 20	24	48	8.0	IV	1	P-1	13.0
181+98	30'	Rt	BB 2	Arcadia Bike Blvd	24	36	6.0	IV	1	P-1	12.0
203+65	31'	Lt	BB 2	Arcadia Bike Blvd	24	36	6.0	IV	1	P-1	12.0
204+13	31'	Lt	BB 8	Bicycle Boulevard SPEED LIMIT 20	24	48	8.0	IV	1	P-1	13.0
204+85	32'	Lt	BB 5L	Bike Blvd / Left arrow	24	36	6.0	IV	1	P-1	12.0
206+76	76'	Lt	BB 5R	Bike Blvd / Right arrow	24	36	6.0	IV	1	P-1	12.0
209+58	25'	Rt	BB 8	Bicycle Boulevard SPEED LIMIT 20	24	48	8.0	IV	1	P-1	13.0
210+01	27'	Rt	BB 2	Arcadia Bike Blvd	24	36	6.0	IV	1	P-1	12.0
234+43	15'	Rt	BB 4	Arcadia thru / Timrod-16th Lt, Rt	24	36	6.0	IV	1	P-1	12.0
234+57	7'	Lt	BB 4	Arcadia thru / Timrod-16th Lt, Rt	24	36	6.0	IV	1	P-1	12.0
244+27	18'	Lt	BB 2	Arcadia Bike Blvd	24	36	6.0	IV	1	P-1	12.0
245+45	30'	Lt	BB 8	Bicycle Boulevard SPEED LIMIT 20	24	48	8.0	IV	1	P-1	13.0
TIMROD ALIGNMENTS											
202+40	25'	Rt	BB 8	Bicycle Boulevard SPEED LIMIT 20	24	48	8.0	IV	1	P-1	13.0
203+20	26'	Rt	BB 1	Timrod-16th St Bike Blvd	24	36	6.0	IV	1	P-1	12.0
225+25	23'	Lt	BB 1	Timrod-16th St Bike Blvd	24	36	6.0	IV	1	P-1	12.0
225+93	25'	Lt	BB 8	Bicycle Boulevard SPEED LIMIT 20	24	48	8.0	IV	1	P-1	13.0
229+09	34'	Rt	BB 8	Bicycle Boulevard SPEED LIMIT 20	24	48	8.0	IV	1	P-1	13.0
229+71	35'	Rt	BB 1R	Timrod-16th St Bike Blvd / Arrow right	24	36	6.0	IV	1	P-1	12.0
231+50	26'	Lt	BB 1L	Timrod-16th St Bike Blvd / Arrow left	24	36	6.0	IV	1	P-1	12.0
3+41	25'	Lt	BB 1	Timrod-16th St Bike Blvd	24	36	6.0	IV	1	P-1	12.0
4+37	24'	Lt	BB 8	Bicycle Boulevard SPEED LIMIT 20	24	48	8.0	IV	1	P-1	13.0
5+08	30'	Rt	BB 5R	Bike Blvd / Right arrow	24	36	6.0	IV	1	P-1	12.0
7+74	43'	Lt	BB 5L	Bike Blvd / Left arrow	24	36	6.0	IV	-	-	-
8+35	59'	Rt	BB 5L	Bike Blvd / Left arrow	24	36	6.0	IV	-	-	-
8+35	59'	Rt	BB 5L	Bike Blvd / Left arrow	24	36	6.0	IV	1	P-1	12.0
265+83	15'	Rt	BB 1L	Timrod-16th St Bike Blvd / Arrow left	24	36	6.0	IV	1	P-1	12.0
268+63	44'	Lt	BB 1R	Timrod-16th St Bike Blvd / Arrow right	24	36	6.0	IV	1	P-1	12.0
270+47	41'	Rt	BB 8	Bicycle Boulevard SPEED LIMIT 20	24	48	8.0	IV	1	P-1	13.0
281+28	13'	Rt	BB 3	Timrod-16th St thru / Arcadia Lt, Rt	24	36	6.0	IV	1	P-1	12.0
281+47	6'	Lt	BB 3	Timrod-16th St thru / Arcadia Lt, Rt	24	36	6.0	IV	1	P-1	12.0
289+25	27'	Lt	BB 8	Bicycle Boulevard SPEED LIMIT 20	24	48	8.0	IV	1	P-1	13.0
293+64	30'	Rt	BB 8	Bicycle Boulevard SPEED LIMIT 20	24	48	8.0	IV	1	P-1	13.0
315+34	24'	Lt	BB 1	Timrod-16th St Bike Blvd	24	36	6.0	IV	1	P-1	12.0
315+95	24'	Lt	BB 8	Bicycle Boulevard SPEED LIMIT 20	24	48	8.0	IV	1	P-1	13.0

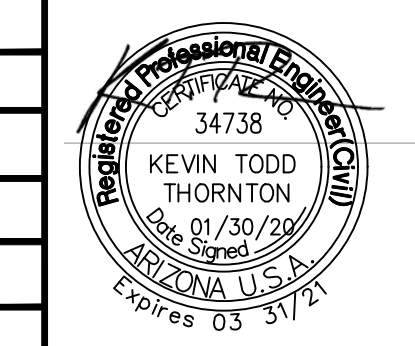
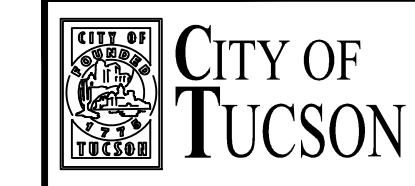
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ADOT TRACS No. 0000 PM TUC T0129 01C
Federal Project No. TAP-TUC-0(264)D SM01 of 11

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

ARCADIA AND TIMROD BICYCLE BOULEVARDS
GRANT ROAD TO EASTLAND ST AND ALVERNON WAY TO CRAYCROFT RD
Intersection Marking & Signing Sheets

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Tucson, AZ 85705
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NO.	DATE	REVISION	BY	CHKD.	APPR.

Approvals	Signatory	Date	Approved _____ 20__	50 OF 80
TRANSPORTATION DIRECTOR				REF. _____ SCALE: _____
DRWN. BY <u>RCS</u> 20 <u>19</u> DSGN. BY <u>RCS</u> 20 <u>19</u> CHKD. BY <u>KT</u> 20 <u>20</u> PLAN NO. <u>U-2018-011</u>				

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ARCADIA BIKE BOULEVARD
ARCADIA AVENUE/PIMA STREET

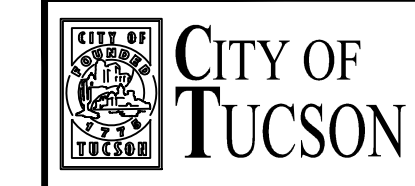
Record Document
Dated: ___ / ___ / ___

STATION	OFFSET		SIGN CODE	LEGEND	WIDTH (IN)	HEIGHT (IN)	AREA (S.F.)	MINIMUM SHEETING TYPE	MOUNTING				COMMENTS
									NO. POSTS	POST TYPE	TOTAL LENGTH (FT)	STRINGER LENGTH (FT)	
125+70	22'	Lt	R9-5	Bicycles USE PED SIGNAL	24	30	5.00	IV	-	-	-	-	Mount on signal pole, facing far end of crossing
125+70	22'	Lt	R9-5	Bicycles USE PED SIGNAL	12	18	1.50	IV	-	-	-	-	Mount on signal pole, facing approach to crossing
125+70	22'	Lt	R9-5	Bicycles USE PED SIGNAL	9	12	0.75	IV	-	-	-	-	Mount on pushbutton housing
125+84	30'	Rt	R9-3bL	USE CROSSWALK / Left Arrow	18	12	1.50	IV	1	P-1	12.00	-	
125+84	30'	Rt	R9-3	Pedestrians - Don't Cross (symbol)	18	18	2.25	IV	-	-	-	-	Mount above R9-3bL
125+84	30'	Rt	R9-3	Pedestrians - Don't Cross (symbol)	18	18	2.25	IV	-	-	-	-	Mount above R9-3bR
125+84	30'	Rt	R9-3bR	USE CROSSWALK / Right Arrow	18	12	1.50	IV	-	-	-	-	
125+90	290'	Lt	W11-15	Bike / Ped Crossing (symbols)	36	36	9.00	XI	1	P-1	14.00	-	
125+90	290'	Lt	SPW03-02	BE PREPARED TO STOP	24	18	3.00	XI	-	-	-	-	
125+93	38'	Lt	R10-23	CROSSWALK STOP ON RED ball	24	36	6.00	IV	-	-	-	-	Mount on signal pole
125+93	38'	Lt	Overhead	Left arrow / Bike Boulevard / Right arrow	120	18	15.00	XI	-	-	-	-	Flag-mount on signal pole; bracket min. 24' above grade
125+93	38'	Lt	IIS	Bike (symbol) / CROSSING / Ped (symbol)	96	18	12.00	-	-	-	-	-	Internally Illuminated Sign; flag-mount on signal pole below Bike Boulevard sign
125+93	38'	Lt	R10-23	CROSSWALK STOP ON RED ball	48	48	16.00	XI	-	-	-	-	Mount on signal arm near signal face at end of arm
125+95	157'	Lt	R10-6	CROSSWALK STOP ON RED ball	24	36	6.00	IV	1	P-1	12.00	-	
126+05	291'	Lt	IIS	FIRE STATION #7	96	18	12.00	-	-	-	-	-	Internally Illuminated Sign, To Remain. Replace panels or replace assembly with Type XI sign
126+65	213'	Rt	W11-15	Bike / Ped Crossing (symbols)	30	30	6.25	XI	1	P-1	13.00	-	
126+65	213'	Rt	SPW03-02	BE PREPARED TO STOP	24	18	3.00	XI	-	-	-	-	Mount under W11-15
126+69	39'	Rt	R10-11	NO TURN ON RED ball	24	30	5.00	IV	1	P-1	12.00	-	
126+76	46'	Lt	R10-23	CROSSWALK STOP ON RED ball	24	36	6.00	IV	-	-	-	-	Mount on signal pole
126+76	46'	Lt	Overhead	Left arrow / Bike Boulevard / Right arrow	120	18	15.00	XI	-	-	-	-	Flag-mount on signal pole; bracket min. 24' above grade
126+76	46'	Lt	IIS	Bike (symbol) / CROSSING / Ped (symbol)	96	18	12.00	-	-	-	-	-	Internally Illuminated Sign; flag-mount on signal pole below Bike Boulevard sign
126+76	46'	Lt	IIS	FIRE STATION #7	96	18	12.00	-	-	-	-	-	Internally Illuminated Sign, To Remain. Replace panels or replace assembly with Type XI sign
126+76	46'	Lt	R10-23	CROSSWALK STOP ON RED ball	48	48	16.00	XI	-	-	-	-	Mount on signal arm near signal face at end of arm
126+83	33'	Rt	R9-3bL	USE CROSSWALK / Left Arrow	18	12	1.50	IV	1	P-1	12.00	-	
126+83	33'	Rt	R9-3	Pedestrians - Don't Cross (symbol)	18	18	2.25	IV	-	-	-	-	Mount above R9-3bL
126+83	33'	Rt	R9-3	Pedestrians - Don't Cross (symbol)	18	18	2.25	IV	-	-	-	-	Mount above R9-3bR
126+83	33'	Rt	R9-3bR	USE CROSSWALK / Right Arrow	18	12	1.50	IV	-	-	-	-	
126+86	24'	Lt	R9-5	Bicycles USE PED SIGNAL	24	30	5.00	IV	-	-	-	-	Mount on signal pole, facing far end of crossing
126+86	24'	Lt	R9-5	Bicycles USE PED SIGNAL	12	18	1.50	IV	-	-	-	-	Mount on signal pole, facing approach to crossing
126+86	24'	Lt	R9-5	Bicycles USE PED SIGNAL	9	12	0.75	IV	-	-	-	-	Mount on pushbutton housing
127+40	21'	Lt	R9-3cP	RIDE WITH TRAFFIC	12	12	1.00	IV	1	P-1	13.00	-	
127+40	21'	Lt	R5-1b	Bike (symbol) WRONG WAY	12	18	1.50	IV	-	-	-	-	
127+40	21'	Lt	Special	BICYCLES YIELD TO VEHICLES	12	18	1.50	IV	-	-	-	-	
127+40	21'	Lt	R8-3	No Parking (Symbol)	12	12	1.00	IV	-	-	-	-	

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Federal Project No. TAP-TUC-0(264)D SM02 of 11

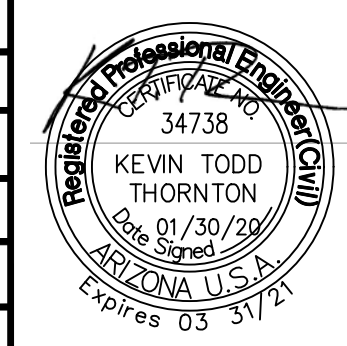
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DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

ARCADIA AND TIMROD BICYCLE BOULEVARDS
GRANT ROAD TO EASTLAND ST AND ALVERNO WAY TO CRAYCROFT RD
Intersection Marking & Signing Sheets

NO.	DATE	REVISION	BY	CHKD.	APPR.



Approvals	Signatory	Date	Approved _____ 20__	51 OF 80
			TRANSPORTATION DIRECTOR	
REF. _____	SCALE: _____			
DRWN. BY <u>RCS</u> 20 <u>19</u>	DSGN. BY <u>RCS</u> 20 <u>19</u>	CHKD. BY <u>KT</u> 20 <u>20</u>	PLAN NO. <u>U-2018-011</u>	

ARCADIA BIKE BOULEVARD
ARCADIA AVENUE/SPEEDWAY BOULEVARD

Record Document
Dated: ___ / ___ / ___

STATION	OFFSET	SIGN CODE	LEGEND	WIDTH (IN)	HEIGHT (IN)	AREA (S.F.)	MINIMUM SHEETING TYPE	MOUNTING			COMMENTS		
								NO. POSTS	POST TYPE	TOTAL LENGTH (FT)		STRINGER LENGTH (FT)	
151+31	19'	Rt	Special	BICYCLES YIELD TO VEHICLES	12	18	1.50	IV	1	P-1	14.00	-	
151+31	19'	Rt	R5-1b	Bike (symbol) WRONG WAY	12	18	1.50	IV	-	-	-	-	
151+31	19'	Rt	R9-3cP	RIDE WITH TRAFFIC	12	12	1.00	IV	-	-	-	-	
151+31	19'	Rt	R8-3	No Parking (Symbol)	12	12	1.00	IV	-	-	-	-	
151+90	20'	Rt	R1-1	STOP	36	36	9.00	IV	-	-	-	-	Mount on signal pole
151+90	20'	Rt	Special	WATCH FOR BIKES	24	18	3.00	IV	-	-	-	-	Mount on signal pole
151+90	20'	Rt	R9-5	Bicycles USE PED SIGNAL	24	30	5.00	IV	-	-	-	-	Mount on signal pole, facing far end of crossing
151+90	20'	Rt	R9-5	Bicycles USE PED SIGNAL	12	18	1.50	IV	-	-	-	-	Mount on signal pole, facing approach to crossing
151+90	20'	Rt	R9-5	Bicycles USE PED SIGNAL	9	12	0.75	IV	-	-	-	-	Mount on pushbutton housing
152+00	32'	Lt	R9-3bL	USE CROSSWALK / Left Arrow	18	12	1.50	IV	1	P-1	17.00	-	
152+00	32'	Lt	R9-3	Pedestrians - Don't Cross (symbol)	18	18	2.25	IV	-	-	-	-	Mount above R9-3bL
152+00	32'	Lt	R9-3	Pedestrians - Don't Cross (symbol)	18	18	2.25	IV	-	-	-	-	Mount above R9-3bR
152+00	32'	Lt	R9-3bR	USE CROSSWALK / Right Arrow	18	12	1.50	IV	-	-	-	-	
152+00	32'	Lt	R10-11	NO TURN ON RED ball	24	30	5.00	IV	-	-	-	-	
151+98	39'	Rt	R10-23	CROSSWALK STOP ON RED ball	24	36	6.00	IV	-	-	-	-	Mount on signal pole
151+98	39'	Rt	Overhead	Left arrow / Bike Boulevard / Right arrow	120	18	15.00	XI	-	-	-	-	Flag-mount on signal pole; bracket min. 24' above grade
151+98	39'	Rt	IIS	Bike (symbol) / CROSSING / Ped (symbol)	96	18	12.00	-	-	-	-	-	Internally Illuminated Sign; flag-mount on signal pole below Bike Boulevard sign
151+98	39'	Rt	R10-23	CROSSWALK STOP ON RED ball	48	48	16.00	XI	-	-	-	-	Mount on signal arm near signal face at end of arm
152+05	332'	Lt	W11-15	Bike / Ped Crossing (symbols)	30	30	6.25	XI	1	P-1	13.00	-	
152+05	332'	Lt	SPW03-2	BE PREPARED TO STOP	24	18	3.00	XI	-	-	-	-	
152+50	333'	Lt	W11-15	Bike / Ped Crossing (symbols)	30	30	6.25	XI	1	P-1	13.00	-	
152+50	333'	Lt	SPW03-2	BE PREPARED TO STOP	24	18	3.00	XI	-	-	-	-	
152+53	609'	Rt	W11-15	Bike / Ped Crossing (symbols)	30	30	6.25	XI	1	P-1	13.00	-	
152+53	609'	Rt	SPW03-2	BE PREPARED TO STOP	24	18	3.00	XI	-	-	-	-	
152+97	609'	Rt	W11-15	Bike / Ped Crossing (symbols)	30	30	6.25	XI	1	P-1	13.00	-	
152+97	609'	Rt	SPW03-2	BE PREPARED TO STOP	24	18	3.00	XI	-	-	-	-	
153+07	38'	Rt	R10-23	CROSSWALK STOP ON RED ball	0	0	0.00	IV	-	-	-	-	Mount on signal pole
153+07	38'	Rt	Overhead	Left arrow / Bike Boulevard / Right arrow	120	18	15.00	XI	-	-	-	-	Flag-mount on signal pole; bracket min. 24' above grade
153+07	38'	Rt	IIS	Bike (symbol) / CROSSING / Ped (symbol)	96	18	12.00	-	-	-	-	-	Internally Illuminated Sign; flag-mount on signal pole below Bike Boulevard sign
153+07	38'	Rt	R10-23	CROSSWALK STOP ON RED ball	48	48	16.00	XI	-	-	-	-	Mount on signal arm near signal face at end of arm
153+09	82'	Rt	R10-11	NO TURN ON RED ball	24	30	5.00	IV	1	P-1	12.00	-	
153+12	30'	Rt	R9-3bL	USE CROSSWALK / Left Arrow	18	12	1.50	IV	1	P-1	14.00	-	
153+12	30'	Rt	R9-3	Pedestrians - Don't Cross (symbol)	18	18	2.25	IV	-	-	-	-	Mount above R9-3bL
153+12	30'	Rt	R9-3	Pedestrians - Don't Cross (symbol)	18	18	2.25	IV	-	-	-	-	Mount above R9-3bR
153+12	30'	Rt	R9-3bR	USE CROSSWALK / Right Arrow	18	12	1.50	IV	-	-	-	-	
153+19	20'	Rt	R9-5	Bicycles USE PED SIGNAL	24	30	5.00	IV	-	-	-	-	Mount on signal pole, facing far end of crossing
153+19	20'	Rt	R9-5	Bicycles USE PED SIGNAL	12	18	1.50	IV	-	-	-	-	Mount on signal pole, facing approach to crossing
153+19	20'	Rt	R9-5	Bicycles USE PED SIGNAL	9	12	0.75	IV	-	-	-	-	Mount on pushbutton housing
153+60	20'	Rt	R8-3	No Parking (Symbol)	12	12	1.00	IV	1	P-1	10.00	-	

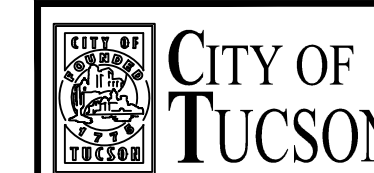
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ADOT TRACS No. 0000 PM TUC T0129 01C
Federal Project No. TAP-TUC-0(264)D

SM03 of 11

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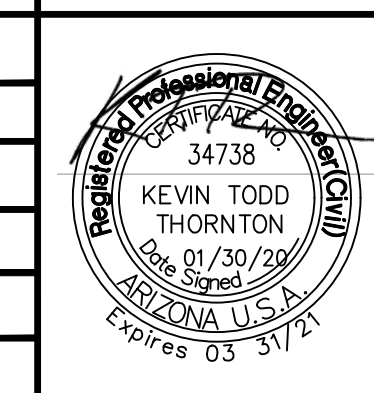


DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

ARCADIA AND TIMROD BICYCLE BOULEVARDS
GRANT ROAD TO EASTLAND ST AND ALVERNA WAY TO CRAYCROFT RD

Intersection Marking & Signing Sheets

NO.	DATE	REVISION	BY	CHKD.	APPR.



Approvals	Signatory	Date	Approved _____ 20__	52 OF 80
TRANSPORTATION DIRECTOR				REF. _____ SCALE: _____
DRWN. BY RCS 20 19 DSGN. BY RCS 20 19 CHKD. BY KT 20 20				
PLAN NO. U-2018-011				

ARCADIA BIKE BOULEVARD
ARCADIA AVENUE/BROADWAY BOULEVARD/NIVEN AVENUE

Record Document
Dated: ___ / ___ / ___

STATION	OFFSET		SIGN CODE	LEGEND	WIDTH (IN)	HEIGHT (IN)	AREA (S.F.)	MINIMUM SHEETING TYPE	MOUNTING				COMMENTS
									NO. POSTS	POST TYPE	TOTAL LENGTH (FT)	STRINGER LENGTH (FT)	
203+42	30'	Lt	R8-3	No Parking (Symbol)	12	12	1.00	IV	1	P-1	10.00	-	
205+26	55'	Lt	M4-11	BEGIN Plaque	24	6	1.00	IV	1	P-1	13.00	-	
205+26	55'	Lt	Special	SHARED SIDEWALK BIKES YIELD	24	18	3.00	IV	-	-	-	-	Mount Below BEGIN Plaque
205+26	55'	Lt	M4-12	END Plaque	24	6	1.00	IV	-	-	-	-	Mount Back to Back with BEGIN Plaque
205+26	55'	Lt	Special	SHARED SIDEWALK BIKES YIELD	24	18	3.00	IV	-	-	-	-	Mount Below END Plaque, Back to Back
207+50	81'	Lt	M4-12	END Plaque	24	6	1.00	IV	1	P-1	13.00	-	
207+50	81'	Lt	Special	SHARED SIDEWALK BIKES YIELD	24	18	3.00	IV	-	-	-	-	Mount Below END Plaque
207+50	81'	Lt	M4-11	BEGIN Plaque	24	6	1.00	IV	-	-	-	-	Mount Back to Back with END Plaque
207+50	81'	Lt	Special	SHARED SIDEWALK BIKES YIELD	24	18	3.00	IV	-	-	-	-	Mount Below BEGIN Plaque, Back to Back
207+67	74'	Lt	R10-11	NO TURN ON RED ball	24	30	5.00	IV	-	-	-	-	Mount on signal pole
207+67	74'	Lt	R9-5	Bicycles USE PED SIGNAL	24	30	5.00	IV	-	-	-	-	Mount on signal pole, facing far end of crossing
207+67	74'	Lt	R9-5	Bicycles USE PED SIGNAL	12	18	1.50	IV	-	-	-	-	Mount on signal pole, facing approach to crossing
207+67	74'	Lt	R9-5	Bicycles USE PED SIGNAL	9	12	0.75	IV	-	-	-	-	Mount on pushbutton housing
Inline with WB Broadway Blvd Stop Bar			R9-3bL	USE CROSSWALK / Left Arrow	18	12	1.50	IV	1	P-1	14.00	-	
			R9-3	Pedestrians - Don't Cross (symbol)	18	18	2.25	IV	-	-	-	-	Mount above R9-3bL
			R9-3	Pedestrians - Don't Cross (symbol)	18	18	2.25	IV	-	-	-	-	Mount above R9-3bR
			R9-3bR	USE CROSSWALK / Right Arrow	18	12	1.50	IV	-	-	-	-	
190' East of WB Broadway Blvd Stop Bar			W11-15	Bike / Ped Crossing (symbols)	30	30	6.25	XI	1	P-1	13.00	-	
			SPW03-2	BE PREPARED TO STOP	24	18	3.00	XI	-	-	-	-	
207+93	34'	Lt	R3-3	No Left Turn (Symbol)	-	-	-	-	1	P-1	12.00	-	Salvaged Sign mounted on New Post
207+93	34'	Lt	R10-6	NO TURN ON RED ball	24	36	6.00	IV	-	-	-	-	
190' East of WB Broadway Blvd Stop Bar			W11-15	Bike / Ped Crossing (symbols)	30	30	6.25	XI	1	P-1	13.00	-	
			SPW03-2	BE PREPARED TO STOP	24	18	3.00	XI	-	-	-	-	
207+46	12'	Lt	Overhead	Left arrow / Bike Boulevard / Right arrow	120	18	15.00	XI	-	-	-	-	Flag-mount on signal pole; bracket min. 24' above grade
207+46	12'	Lt	IIS	Bike (symbol) / CROSSING / Ped (symbol)	96	18	12.00	-	-	-	-	-	Internally Illuminated Sign; flag-mount on signal pole below Bike Boulevard sign
207+46	4'	Lt	Overhead	Left arrow / Bike Boulevard / Right arrow	120	18	15.00	XI	-	-	-	-	Flag-mount on signal pole; bracket min. 24' above grade
207+46	4'	Lt	IIS	Bike (symbol) / CROSSING / Ped (symbol)	96	18	12.00	-	-	-	-	-	Internally Illuminated Sign; flag-mount on signal pole below Bike Boulevard sign
220' West of EB Broadway Blvd Stop Bar			W11-15	Bike / Ped Crossing (symbols)	30	30	6.25	XI	1	P-1	13.00	-	
			SPW03-2	BE PREPARED TO STOP	24	18	3.00	XI	-	-	-	-	
220' West of EB Broadway Blvd Stop Bar			W11-15	Bike / Ped Crossing (symbols)	30	30	6.25	XI	1	P-1	13.00	-	
			SPW03-2	BE PREPARED TO STOP	24	18	3.00	XI	-	-	-	-	
208+47	35'	Rt	R9-5	Bicycles USE PED SIGNAL	24	30	5.00	IV	-	-	-	-	Mount on signal pole, facing far end of crossing
208+47	35'	Rt	R9-5	Bicycles USE PED SIGNAL	12	18	1.50	IV	-	-	-	-	Mount on signal pole, facing approach to crossing
208+47	35'	Rt	R9-5	Bicycles USE PED SIGNAL	9	12	0.75	IV	-	-	-	-	Mount on pushbutton housing
208+72	29'	Lt	R9-3bL	USE CROSSWALK / Left Arrow	18	12	1.50	IV	1	P-1	14.00	-	
208+72	29'	Lt	R9-3	Pedestrians - Don't Cross (symbol)	18	18	2.25	IV	-	-	-	-	Mount above R9-3bL
208+72	29'	Lt	R9-3	Pedestrians - Don't Cross (symbol)	18	18	2.25	IV	-	-	-	-	Mount above R9-3bR
208+72	29'	Lt	R9-3bR	USE CROSSWALK / Right Arrow	18	12	1.50	IV	-	-	-	-	
209+16	28'	Rt	R8-3	No Parking (Symbol)	12	12	1.00	IV	1	P-1	10.00	-	

ADOT TRACS No. 0000 PM TUC T0129 01C
Federal Project No. TAP-TUC-0(264)D SM05 of 11

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(520) 292-2300 (520) 292-1290 fax
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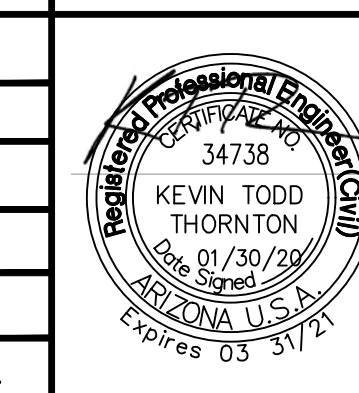


DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

ARCADIA AND TIMROD BICYCLE BOULEVARDS
GRANT ROAD TO EASTLAND ST AND ALVERNON WAY TO CRAWCROFT RD

Intersection Marking & Signing Sheets

NO.	DATE	REVISION	BY	CHKD.	APPR.



Approvals	Signatory	Date	Approved _____ 20__	54 OF 80
TRANSPORTATION DIRECTOR				REF. _____ SCALE: _____
DRWN. BY RCS 2019 DSGN. BY RCS 2019 CHKD. BY KT 2020				
PLAN NO. U-2018-011				

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TIMROD BIKE BOULEVARD
ALVERNON WAY/TIMROD STREET

Record Document
Dated: ___ / ___ / ___

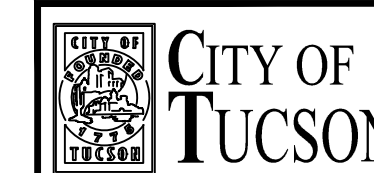
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									NO. POSTS	POST TYPE	TOTAL LENGTH (FT)	STRINGER LENGTH (FT)	
200+23	122'	Lt	W11-15	Bike / Ped Crossing (symbols)	30	30	6.25	XI	1	-	16.00	-	
200+23	122'	Lt	W11-8	Fire Engine (symbol)	30	30	6.25	XI	-	-	-	-	
200+23	122'	Lt	SPW03-2	BE PREPARED TO STOP	24	18	3.00	XI	-	-	-	-	
200+23	83'	Lt	R10-6	CROSSWALK STOP ON RED ball	24	36	6.00	IV	1	P-1	12.00	-	
200+21	20'	Lt	R9-5	Bicycles USE PED SIGNAL	24	30	5.00	IV	-	-	-	-	Mount on signal pole, facing far end of crossing
200+21	20'	Lt	R9-5	Bicycles USE PED SIGNAL	12	18	1.50	IV	-	-	-	-	Mount on signal pole, facing approach to crossing
200+21	20'	Lt	R9-5	Bicycles USE PED SIGNAL	9	12	0.75	IV	-	-	-	-	Mount on pushbutton housing
200+20	44'	Rt	R9-3bL	USE CROSSWALK / Left Arrow	18	12	1.50	IV	-	-	-	-	
200+20	44'	Rt	R9-3	Pedestrians - Don't Cross (symbol)	18	18	2.25	IV	-	-	-	-	Mount above R9-3bL
200+20	44'	Rt	R9-3	Pedestrians - Don't Cross (symbol)	18	18	2.25	IV	-	-	-	-	Mount above R9-3bR
200+20	44'	Rt	R9-3bR	USE CROSSWALK / Right Arrow	18	12	1.50	IV	-	-	-	-	
200+20	44'	Rt	Overhead	Left arrow / Bike Boulevard / Right arrow	120	18	15.00	XI	-	-	-	-	Flag-mount on signal pole; bracket min. 24' above grade
200+20	44'	Rt	IIS	Bike (symbol) / CROSSING / Ped (symbol)	96	18	12.00	-	-	-	-	-	Internally Illuminated Sign; flag-mount on signal pole below Bike Boulevard sign
201+05	113'	Rt	W11-15	Bike / Ped Crossing (symbols)	30	30	6.25	XI	1	P-1	16.00	-	
201+05	113'	Rt	W11-8	Fire Engine (symbol)	30	30	6.25	XI	-	-	-	-	
201+05	113'	Rt	SPW03-2	BE PREPARED TO STOP	24	18	3.00	XI	-	-	-	-	
201+06	57'	Rt	R10-11	NO TURN ON RED ball	24	30	5.00	IV	1	P-1	12.00	-	
201+14	30'	Rt	R9-3bL	USE CROSSWALK / Left Arrow	18	12	1.50	IV	1	P-1	14.00	-	
201+14	30'	Rt	R9-3	Pedestrians - Don't Cross (symbol)	18	18	2.25	IV	-	-	-	-	Mount above R9-3bL
201+14	30'	Rt	R9-3	Pedestrians - Don't Cross (symbol)	18	18	2.25	IV	-	-	-	-	Mount above R9-3bR
201+14	30'	Rt	R9-3bR	USE CROSSWALK / Right Arrow	18	12	1.50	IV	-	-	-	-	
201+21	22'	Lt	R9-5	Bicycles USE PED SIGNAL	24	30	5.00	IV	-	-	-	-	Mount on signal pole, facing far end of crossing
201+21	22'	Lt	R9-5	Bicycles USE PED SIGNAL	12	18	1.50	IV	-	-	-	-	Mount on signal pole, facing approach to crossing
201+21	22'	Lt	R9-5	Bicycles USE PED SIGNAL	9	12	0.75	IV	-	-	-	-	Mount on pushbutton housing
201+07	49'	Lt	Overhead	Left arrow / Bike Boulevard / Right arrow	120	18	15.00	XI	-	-	-	-	Flag-mount on signal pole; bracket min. 24' above grade
201+07	49'	Lt	IIS	Bike (symbol) / CROSSING / Ped (symbol)	96	18	12.00	-	-	-	-	-	Internally Illuminated Sign; flag-mount on signal pole below Bike Boulevard sign
201+79	27'	Lt	Special	BICYCLES YIELD TO VEHICLES	12	18	1.50	IV	1	-	14.00	-	
201+79	27'	Lt	R5-1b	Bike (symbol) WRONG WAY	12	18	1.50	IV	-	-	-	-	
201+79	27'	Lt	R9-3cP	RIDE WITH TRAFFIC	12	18	1.50	IV	-	-	-	-	
201+79	27'	Lt	R8-3	No Parking (Symbol)	12	12	1.00	IV	-	-	-	-	

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Federal Project No. TAP-TUC-0(264)D SM06 of 11

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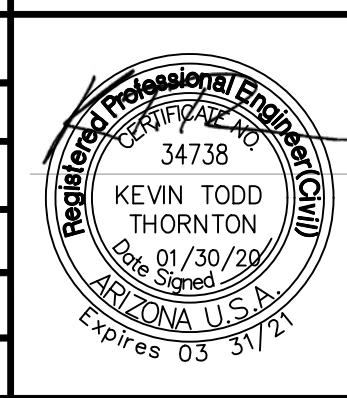


DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

ARCADIA AND TIMROD BICYCLE BOULEVARDS
GRANT ROAD TO EASTLAND ST AND ALVERNON WAY TO CRAYCROFT RD

Intersection Marking & Signing Sheets

NO.	DATE	REVISION	BY	CHKD.	APPR.



Approvals	Signatory	Date	Approved _____ 20__	55 OF 80
TRANSPORTATION DIRECTOR				REF. _____ SCALE: _____
DRWN. BY VALUE 20 19 DSGN. BY VALUE 20 19 CHKD. BY VALUE 20 20				
PLAN NO. U-2018-011				

TIMROD BIKE BOULEVARD
SWAN ROAD/17TH STREET

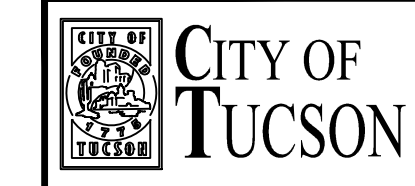
Record Document
Dated: ___ / ___ / ___

STATION	OFFSET	SIGN CODE	LEGEND	WIDTH (IN)	HEIGHT (IN)	AREA (S.F.)	MINIMUM SHEETING TYPE	MOUNTING				COMMENTS	
								NO. POSTS	POST TYPE	TOTAL LENGTH (FT)	STRINGER LENGTH (FT)		
6+33	45'	Rt	M4-11	BEGIN Plaque	24	6	1.00	IV	1	P-1	13.00	-	
6+33	45'	Rt	Special	SHARED SIDEWALK BIKES YIELD	24	18	3.00	IV	-	-	-	-	Mount Below BEGIN Plaque
6+33	45'	Rt	M4-12	END Plaque	24	6	1.00	IV	-	-	-	-	Mount Back to Back with BEGIN Plaque
6+33	45'	Rt	Special	SHARED SIDEWALK BIKES YIELD	24	18	3.00	IV	-	-	-	-	Mount Below END Plaque, Back to Back
7+33	41'	Rt	S1-1	SCHOOL					1	P-1	13.00	-	Relocate Signs on New Post
7+33	41'	Rt	W16-9P	AHEAD					-	-	-	-	
7+62	42'	Rt	W11-15	Bike / Ped Crossing (symbols)	30	30	6.25	XI	1	P-1	13.00	-	
7+62	42'	Rt	SPW03-2	BE PREPARED TO STOP	24	18	3.00	XI	-	-	-	-	
7+62	5'	Rt	W11-15	Bike / Ped Crossing (symbols)	30	30	6.25	XI	1	P-1	13.00	-	
7+62	5'	Rt	SPW03-2	BE PREPARED TO STOP	24	18	3.00	XI	-	-	-	-	
9+29	51'	Rt	M4-12	END Plaque	24	6	1.00	IV	1	P-1	13.00	-	
9+29	51'	Rt	Special	SHARED SIDEWALK BIKES YIELD	24	18	3.00	IV	-	-	-	-	Mount Below END Plaque
9+29	51'	Rt	M4-11	BEGIN Plaque	24	6	1.00	IV	-	-	-	-	Mount Back to Back with END Plaque
9+29	51'	Rt	Special	SHARED SIDEWALK BIKES YIELD	24	18	3.00	IV	-	-	-	-	Mount Below BEGIN Plaque, Back to Back
9+42	46'	Lt	Overhead	Left arrow / Bike Boulevard / Right arrow	120	18	15.00	XI	-	-	-	-	Flag-mount on signal pole; bracket min. 24' above grade
9+42	46'	Lt	IIS	Bike (symbol) / CROSSING / Ped (symbol)	96	18	12.00	-	-	-	-	-	Internally Illuminated Sign; flag-mount on signal pole below Bike Boulevard sign
9+45	51'	Rt	Overhead	Left arrow / Bike Boulevard / Right arrow	120	18	15.00	XI	-	-	-	-	Flag-mount on signal pole; bracket min. 24' above grade
9+45	51'	Rt	IIS	Bike (symbol) / CROSSING / Ped (symbol)	96	18	12.00	-	-	-	-	-	Internally Illuminated Sign; flag-mount on signal pole below Bike Boulevard sign
9+45	51'	Rt	R9-5	Bicycles USE PED SIGNAL	24	30	5.00	IV	-	-	-	-	Mount on signal pole, facing far end of crossing
9+45	51'	Rt	R9-5	Bicycles USE PED SIGNAL	12	18	1.50	IV	-	-	-	-	Mount on signal pole, facing approach to crossing
9+45	51'	Rt	R9-5	Bicycles USE PED SIGNAL	9	12	0.75	IV	-	-	-	-	Mount on pushbutton housing
9+57	60'	Lt	R9-5	Bicycles USE PED SIGNAL	24	30	5.00	IV	-	-	-	-	Mount on signal pole, facing far end of crossing
9+57	60'	Lt	R9-5	Bicycles USE PED SIGNAL	12	18	1.50	IV	-	-	-	-	Mount on signal pole, facing approach to crossing
9+57	60'	Lt	R9-5	Bicycles USE PED SIGNAL	9	12	0.75	IV	-	-	-	-	Mount on pushbutton housing
262+08	31'	Rt	R9-3bL	USE CROSSWALK / Left Arrow	18	12	1.50	IV	1	P-1	14.00	-	
262+08	31'	Rt	R9-3	Pedestrians - Don't Cross (symbol)	18	18	2.25	IV	-	-	-	-	Mount above R9-3bL
262+08	31'	Rt	R9-3	Pedestrians - Don't Cross (symbol)	18	18	2.25	IV	-	-	-	-	Mount above R9-3bR
262+08	31'	Rt	R9-3bR	USE CROSSWALK / Right Arrow	18	12	1.50	IV	-	-	-	-	
262+60	132'	Rt	W11-15	Bike / Ped Crossing (symbols)	30	30	6.25	XI	1	P-1	13.00	-	
262+60	132'	Rt	SPW03-2	BE PREPARED TO STOP	24	18	3.00	XI	-	-	-	-	
263+00	133'	Rt	W11-15	Bike / Ped Crossing (symbols)	30	30	6.25	XI	1	P-1	13.00	-	
263+00	133'	Rt	SPW03-2	BE PREPARED TO STOP	24	18	3.00	XI	-	-	-	-	
263+02	40'	Rt	R10-11	NO TURN ON RED ball	24	30	5.00	IV	1	P-1	12.00	-	
263+15	30'	Rt	R9-3bL	USE CROSSWALK / Left Arrow	18	12	1.50	IV	1	P-1	14.00	-	
263+15	30'	Rt	R9-3	Pedestrians - Don't Cross (symbol)	18	18	2.25	IV	-	-	-	-	Mount above R9-3bL
263+15	30'	Rt	R9-3	Pedestrians - Don't Cross (symbol)	18	18	2.25	IV	-	-	-	-	Mount above R9-3bR
263+15	30'	Rt	R9-3bR	USE CROSSWALK / Right Arrow	18	12	1.50	IV	-	-	-	-	
263+53	23'	Lt	Special	BICYCLES YIELD TO VEHICLES	12	18	1.50	IV	1	-	14.00	-	
263+53	23'	Lt	R5-1b	Bike (symbol) WRONG WAY	12	18	1.50	IV	-	-	-	-	
263+53	23'	Lt	R9-3cP	RIDE WITH TRAFFIC	12	18	1.50	IV	-	-	-	-	
263+53	23'	Lt	R8-3	No Parking (Symbol)	12	12	1.00	IV	-	-	-	-	

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ADOT TRACS No. 0000 PM TUC T0129 01C
Federal Project No. TAP-TUC-0(264)D SM07 of 11

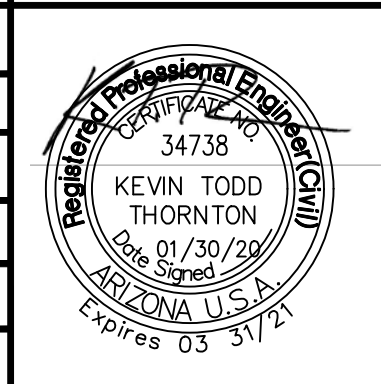
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DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

ARCADIA AND TIMROD BICYCLE BOULEVARDS
GRANT ROAD TO EASTLAND ST AND ALVERNON WAY TO CRAYCROFT RD
Intersection Marking & Signing Sheets

NO.	DATE	REVISION	BY	CHKD.	APPR.



Approvals	Signatory	Date	Approved _____ 20__	56 OF 80
TRANSPORTATION DIRECTOR				REF. _____ SCALE: _____
DRWN. BY <u>RCS</u> 20 <u>19</u> DSGN. BY <u>RCS</u> 20 <u>19</u> CHKD. BY <u>KT</u> 20 <u>20</u> PLAN NO. <u>U-2018-011</u>				

ARCADIA BIKE BOULEVARD ALIGNMENT
TRAFFIC CIRCLE INTERSECTIONS

Record Document
Dated: ___ / ___ / ___

STATION	OFFSET		SIGN CODE	LEGEND	WIDTH (IN)	HEIGHT (IN)	AREA (S.F.)	MINIMUM SHEETING TYPE	MOUNTING			COMMENTS		
									NO. POSTS	POST TYPE	TOTAL LENGTH (FT) [HIDE]		TOTAL LENGTH (FT)	STRINGER LENGTH (FT)
138+94	27'	Rt	R1-1	STOP	-	-	-	-	-	-	-	Exst sign to be removed		
			APRO4-10	KEEP RIGHT	18	24	3.00	IV	-	-	-	-	Sign to be placed on exst post	
139+15	40'	Lt	R1-1	STOP	-	-	-	-	-	-	-	Exst sign and post to remain		
			W4-4p	CROSS TRAFFIC DOES NOT STOP	24	12	2.00	XI	-	-	-	-	Mount below R1-1	
			APRO4-10	KEEP RIGHT	18	24	3.00	IV	-	-	-	-	Mount below W4-4p	
139+55	49'	Rt	R1-1	STOP	-	-	-	-	-	-	-	Exst sign and post to remain		
			W4-4p	CROSS TRAFFIC DOES NOT STOP	24	12	2.00	XI	-	-	-	-	Mount below R1-1	
			APRO4-10	KEEP RIGHT	18	24	3.00	IV	-	-	-	-	Mount below W4-4p	
139+69	24'	Lt	R1-1	STOP	-	-	-	-	-	-	-	Exst sign to be removed		
			APRO4-10	KEEP RIGHT	18	24	3.00	IV	-	-	-	-	Sign to be placed on exst post	
175+33	22'	Rt	R1-1	STOP	-	-	-	-	-	-	-	Exst sign to be removed		
			APRO4-10	KEEP RIGHT	18	24	3.00	IV	-	-	-	-	Sign to be placed on exst post	
175+50	29'	Lt	R1-1	STOP	30	30	6.25	IV	1	P-1	12.5	13.00	-	
			W4-4p	CROSS TRAFFIC DOES NOT STOP	24	12	2.00	XI	-	-	-	-	-	Mount below R1-1
			APRO4-10	KEEP RIGHT	18	24	3.00	IV	-	-	-	-	-	Mount below W4-4p
175+90	33'	Rt	R1-1	STOP	30	30	6.25	IV	1	P-1	12.5	13.00	-	
			W4-4p	CROSS TRAFFIC DOES NOT STOP	24	12	2.00	XI	-	-	-	-	-	Mount below R1-1
			APRO4-10	KEEP RIGHT	18	24	3.00	IV	-	-	-	-	-	Mount below W4-4p
176+06	21'	Lt	R1-1	STOP	-	-	-	-	-	-	-	-	Exst sign to be removed	
			APRO4-10	KEEP RIGHT	18	24	3.00	IV	-	-	-	-	-	Sign to be placed on exst post
211+55	24'	Rt	APRO4-10	KEEP RIGHT	18	24	3.00	IV	1	P-1	11	11.00	-	
211+68	43'	Lt	R1-1	STOP	30	30	6.25	IV	1	P-1	12.5	13.00	-	
			W4-4p	CROSS TRAFFIC DOES NOT STOP	24	12	2.00	XI	-	-	-	-	-	Mount below R1-1
			APRO4-10	KEEP RIGHT	18	24	3.00	IV	-	-	-	-	-	Mount below W4-4p
212+15	46'	Rt	R1-1	STOP	30	30	6.25	IV	1	P-1	12.5	13.00	-	
			W4-4p	CROSS TRAFFIC DOES NOT STOP	24	12	2.00	XI	-	-	-	-	-	Mount below R1-1
			APRO4-10	KEEP RIGHT	18	24	3.00	IV	-	-	-	-	-	Mount below W4-4p
212+35	20'	Lt	APRO4-10	KEEP RIGHT	18	24	3.00	IV	1	P-1	11	11.00	-	
220+94	22'	Rt	R1-1	STOP	-	-	-	-	-	-	-	-	Exst sign to be removed	
			APRO4-10	KEEP RIGHT	18	24	3.00	IV	-	-	-	-	-	Sign to be placed on exst post
221+12	43'	Lt	R1-1	STOP	-	-	-	-	-	-	-	-	Exst sign and post to remain	
			W4-4p	CROSS TRAFFIC DOES NOT STOP	24	12	2.00	XI	-	-	-	-	-	Mount below R1-1
			APRO4-10	KEEP RIGHT	18	24	3.00	IV	-	-	-	-	-	Mount below W4-4p
221+59	47'	Rt	R1-1	STOP	-	-	-	-	-	-	-	-	Exst sign and post to remain	
			W4-4p	CROSS TRAFFIC DOES NOT STOP	24	12	2.00	XI	-	-	-	-	-	Mount below R1-1
			APRO4-10	KEEP RIGHT	18	24	3.00	IV	-	-	-	-	-	Mount below W4-4p
221+90	20'	Lt	R1-1	STOP	-	-	-	-	-	-	-	-	Exst sign to be removed	
			APRO4-10	KEEP RIGHT	18	24	3.00	IV	-	-	-	-	-	Sign to be placed on exst post

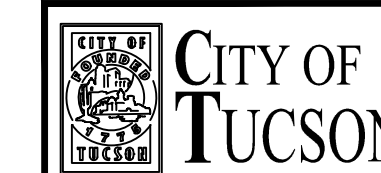
NOTES:

- All stations and offsets are based on the Arcadia Bike Blvd horizontal alignment.

ADOT TRACS No. 0000 PM TUC T0129 01C
Federal Project No. TAP-TUC-0(264)D SM09 of 11

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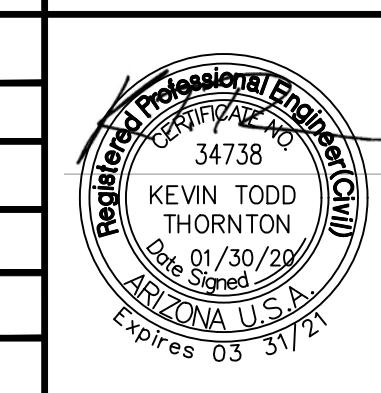


DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

ARCADIA AND TIMROD BICYCLE BOULEVARDS
GRANT ROAD TO EASTLAND ST AND ALVERNON WAY TO CRAYCROFT RD

Intersection Marking & Signing Sheets

NO.	DATE	REVISION	BY	CHKD.	APPR.



Approvals	Signatory	Date	Approved _____ 20__	58 OF 80
TRANSPORTATION DIRECTOR				REF. _____ SCALE: _____
DRWN. BY VALUE 20 19 DSGN. BY VALUE 20 19 CHKD. BY VALUE 20 20				
PLAN NO. U-2018-011				

T:\TUC\2018\TRANSP\ENGINEERING\SHEETS\Traffic\Signing - Summary_01-11.dwg - SM09 - Last Saved: Mon, 03 Feb 2020 11:36:23 AM - Plotted: Monday, February 3, 2020 11:36:23 AM

ARCADIA BIKE BOULEVARD ALIGNMENT
TRAFFIC CIRCLE INTERSECTIONS

Record Document
Dated: ___ / ___ / ___

STATION	OFFSET		SIGN CODE	LEGEND	WIDTH (IN)	HEIGHT (IN)	AREA (S.F.)	MINIMUM SHEETING TYPE	MOUNTING			COMMENTS		
									NO. POSTS	POST TYPE	TOTAL LENGTH (FT) [HIDE]		TOTAL LENGTH (FT)	STRINGER LENGTH (FT)
226+92	17	Rt	APRO4-10	KEEP RIGHT	18	24	3.00	IV	1	P-1	11	11.00	-	
227+33	65'	Lt	R1-2	Yield	-	-	-	-	-	-	-	-	-	Exst sign to be removed
			R1-1	STOP	30	30	6.25	IV	-	-	-	-	-	Sign to be placed on exst post
			W4-4p	CROSS TRAFFIC DOES NOT STOP	24	12	2.00	XI	-	-	-	-	-	Mount below R1-1
			APRO4-10	KEEP RIGHT	18	24	3.00	IV	-	-	-	-	-	Mount below W4-4p
227+79	43'	Rt	R1-2	Yield	-	-	-	-	-	-	-	-	-	Exst sign to be removed
			R1-1	STOP	30	30	6.25	IV	-	-	-	-	-	Sign to be placed on exst post
			W4-4p	CROSS TRAFFIC DOES NOT STOP	24	12	2.00	XI	-	-	-	-	-	Mount below R1-1
			APRO4-10	KEEP RIGHT	18	24	3.00	IV	-	-	-	-	-	Mount below W4-4p
228+09	19'	Lt	APRO4-10	KEEP RIGHT	18	24	3.00	IV	1	P-1	11	11.00	-	
234+08	22'	Rt	R1-1	STOP	-	-	-	-	-	-	-	-	-	Exst sign to be removed
			R1-2	Yield	30	30	6.25	IV	-	-	-	-	-	Sign to be placed on exst post
			W4-4p	CROSS TRAFFIC DOES NOT STOP	24	12	2.00	XI	-	-	-	-	-	Mount below R1-1
			APRO4-10	KEEP RIGHT	18	24	3.00	IV	-	-	-	-	-	Mount below W4-4p
234+26	41'	Lt	R1-1	STOP	-	-	-	-	-	-	-	-	-	Exst sign to be removed
			R1-2	Yield	30	30	6.25	IV	-	-	-	-	-	Sign to be placed on exst post
			W4-4p	CROSS TRAFFIC DOES NOT STOP	24	12	2.00	XI	-	-	-	-	-	Mount below R1-1
			APRO4-10	KEEP RIGHT	18	24	3.00	IV	-	-	-	-	-	Mount below W4-4p
234+72	38'	Rt	R1-1	STOP	-	-	-	-	-	-	-	-	-	Exst sign to be removed
			R1-2	Yield	30	30	6.25	IV	-	-	-	-	-	Sign to be placed on exst post
			W4-4p	CROSS TRAFFIC DOES NOT STOP	24	12	2.00	XI	-	-	-	-	-	Mount below R1-1
			APRO4-10	KEEP RIGHT	18	24	3.00	IV	-	-	-	-	-	Mount below W4-4p
234+84	27'	Lt	R1-1	STOP	-	-	-	-	-	-	-	-	-	Exst sign to be removed
			R1-2	Yield	30	30	6.25	IV	-	-	-	-	-	Sign to be placed on exst post
			W4-4p	CROSS TRAFFIC DOES NOT STOP	24	12	2.00	XI	-	-	-	-	-	Mount below R1-1
			APRO4-10	KEEP RIGHT	18	24	3.00	IV	-	-	-	-	-	Mount below W4-4p
239+90	19'	Rt	APRO4-10	KEEP RIGHT	18	24	3.00	IV	1	P-1	11	11.00	-	
240+18	39'	Lt	R1-2	Yield	-	-	-	-	-	-	-	-	-	Exst sign to be removed
			R1-1	STOP	30	30	6.25	IV	-	-	-	-	-	Sign to be placed on exst post
			W4-4p	CROSS TRAFFIC DOES NOT STOP	24	12	2.00	XI	-	-	-	-	-	Mount below R1-1
			APRO4-10	KEEP RIGHT	18	24	3.00	IV	-	-	-	-	-	Mount below W4-4p
240+32	35'	Rt	R1-2	Yield	-	-	-	-	-	-	-	-	-	Exst sign to be removed
			R1-1	STOP	30	30	6.25	IV	-	-	-	-	-	Sign to be placed on exst post
			W4-4p	CROSS TRAFFIC DOES NOT STOP	24	12	2.00	XI	-	-	-	-	-	Mount below R1-1
			APRO4-10	KEEP RIGHT	18	24	3.00	IV	-	-	-	-	-	Mount below W4-4p
240+60	17'	Lt	APRO4-10	KEEP RIGHT	18	24	3.00	IV	1	P-1	11	11.00	-	

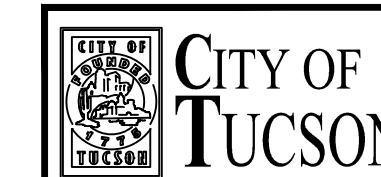
NOTES:

- All stations and offsets are based on the Arcadia Bike Blvd horizontal alignment.

ADOT TRACS No. 0000 PM TUC T0129 01C
Federal Project No. TAP-TUC-0(264)D SM10 of 11

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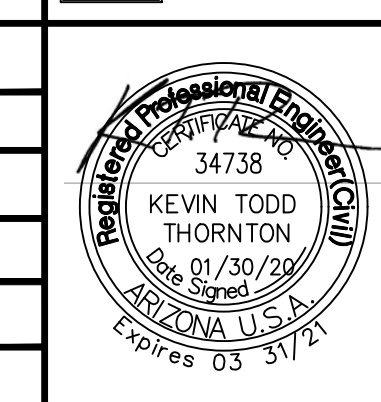


DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

ARCADIA AND TIMROD BICYCLE BOULEVARDS
GRANT ROAD TO EASTLAND ST AND ALVERNON WAY TO CRAYCROFT RD

Intersection Marking & Signing Sheets

NO.	DATE	REVISION	BY	CHKD.	APPR.



Approvals	Signatory	Date	Approved _____ 20__	59 OF 80
TRANSPORTATION DIRECTOR				REF. _____ SCALE: _____
DRWN. BY RCS 2019 DSGN. BY RCS 2019 CHKD. BY KT 2020				
PLAN NO. U-2018-011				

T:\TUC\2020\TRANSPA\SHEETS\Traffic\Signage - Spinning\C-A101SM - Summary_01-11.dwg - SM10 - Last Saved: Mon, 03 Feb 2020 8:46:28 AM - Elizabeth Barnes - Plotted: Monday, February 3, 2020 1:36:28 PM

TIMROD BIKE BOULEVARD ALIGNMENT
TRAFFIC CIRCLE INTERSECTIONS

Record Document
Dated: ___ / ___ / ___

STATION	OFFSET		SIGN CODE	LEGEND	WIDTH (IN)	HEIGHT (IN)	AREA (S.F.)	MINIMUM SHEETING TYPE	MOUNTING			COMMENTS	
									NO. POSTS	POST TYPE	TOTAL LENGTH (FT) [HIDE]		TOTAL LENGTH (FT)
213+33	32'	Lt	R1-1	STOP	-	-	-	-	-	-	-	-	Exst sign and post to remain
			W4-4p	CROSS TRAFFIC DOES NOT STOP	24	12	2.00	XI	-	-	-	-	Mount below R1-1
			APRO4-10	KEEP RIGHT	18	24	3.00	IV	-	-	-	-	Mount below W4-4p
213+89	21'	Lt	APRO4-10	KEEP RIGHT	18	24	3.00	IV	1	P-1	11	11.00	-
213+21	28'	Rt	APRO4-10	KEEP RIGHT	18	24	3.00	IV	1	P-1	11	11.00	-
213+75	39'	Rt	R1-1	STOP	-	-	-	-	-	-	-	-	Exst sign and post to remain
			W4-4p	CROSS TRAFFIC DOES NOT STOP	24	12	2.00	XI	-	-	-	-	Mount below R1-1
			APRO4-10	KEEP RIGHT	18	24	3.00	IV	-	-	-	-	Mount below W4-4p
219+92	32'	Lt	R1-1	STOP	-	-	-	-	-	-	-	-	Exst sign and post to remain
			W4-4p	CROSS TRAFFIC DOES NOT STOP	24	12	2.00	XI	-	-	-	-	Mount below R1-1
			APRO4-10	KEEP RIGHT	18	24	3.00	IV	-	-	-	-	Mount below W4-4p
220+45	19'	Lt	R1-1	STOP	-	-	-	-	-	-	-	-	Exst sign to be removed
			APRO4-10	KEEP RIGHT	18	24	3.00	IV	-	-	-	-	Sign to be placed on exst post
219+77	29'	Rt	R1-1	STOP	-	-	-	-	-	-	-	-	Exst sign to be removed
			APRO4-10	KEEP RIGHT	18	24	3.00	IV	-	-	-	-	Sign to be placed on exst post
220+30	43'	Rt	R1-1	STOP	-	-	-	-	-	-	-	-	Exst sign and post to remain
			W4-4p	CROSS TRAFFIC DOES NOT STOP	24	12	2.00	XI	-	-	-	-	Mount below R1-1
			APRO4-10	KEEP RIGHT	18	24	3.00	IV	-	-	-	-	Mount below W4-4p

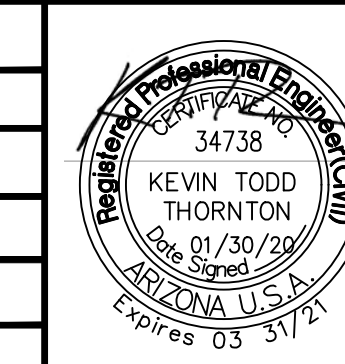
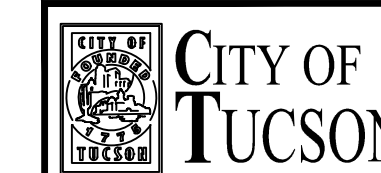
NOTES:

- All stations and offsets are based on the Timrod Bike Blvd horizontal alignment.

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DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

ARCADIA AND TIMROD BICYCLE BOULEVARDS
GRANT ROAD TO EASTLAND ST AND ALVERNON WAY TO CRAYCROFT RD
Intersection Marking & Signing Sheets

Approvals	Signatory	Date	Approved _____ 20__	60 OF 80
			TRANSPORTATION DIRECTOR	
REF. _____ SCALE: _____			PLAN NO. U-2018-011	

NO.	DATE	REVISION	BY	CHKD.	APPR.

DRWN. BY RCS_2019 DSGN. BY RCS_2019 CHKD. BY KT_2020

ADOT TRACS No. 0000 PM TUC T0129 01C
Federal Project No. TAP-TUC-0(264)D SM11 of 11

CONSTRUCTION NOTES

- Locations of existing signal poles, pullboxes, and conduit runs are based on ground survey, Bluestake markings, additional field checking, pullbox labels, and interpretation based on traffic signal conduit standard practices. City of Tucson Maps and Records lists traffic signal plan FS-6291, but there are no plan documents.
- All existing signal equipment, conduit, and pullboxes are to remain unless noted otherwise.
- See sheet TS01 for Pole Schedule General Notes and Conduit and Conductor Schedule General Notes.
- The contractor shall take care to avoid existing communications facilities during construction. All existing communications facilities shall be protected in place.

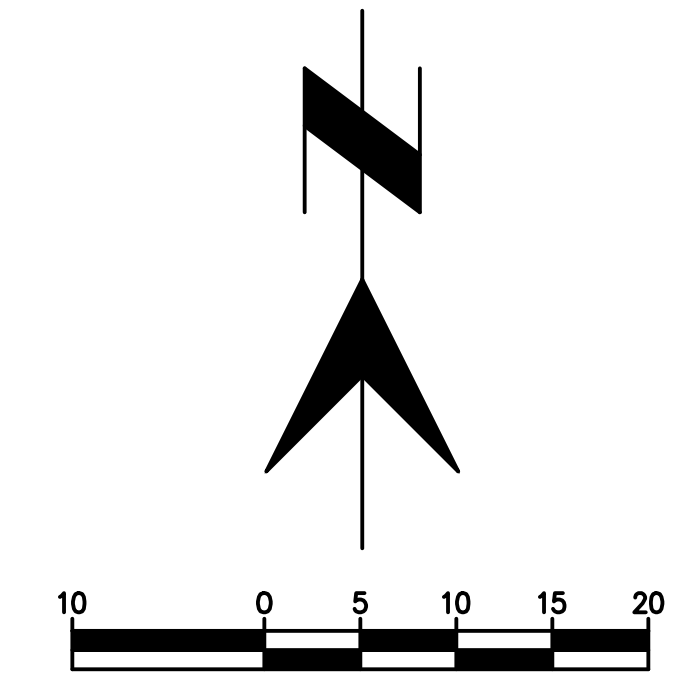
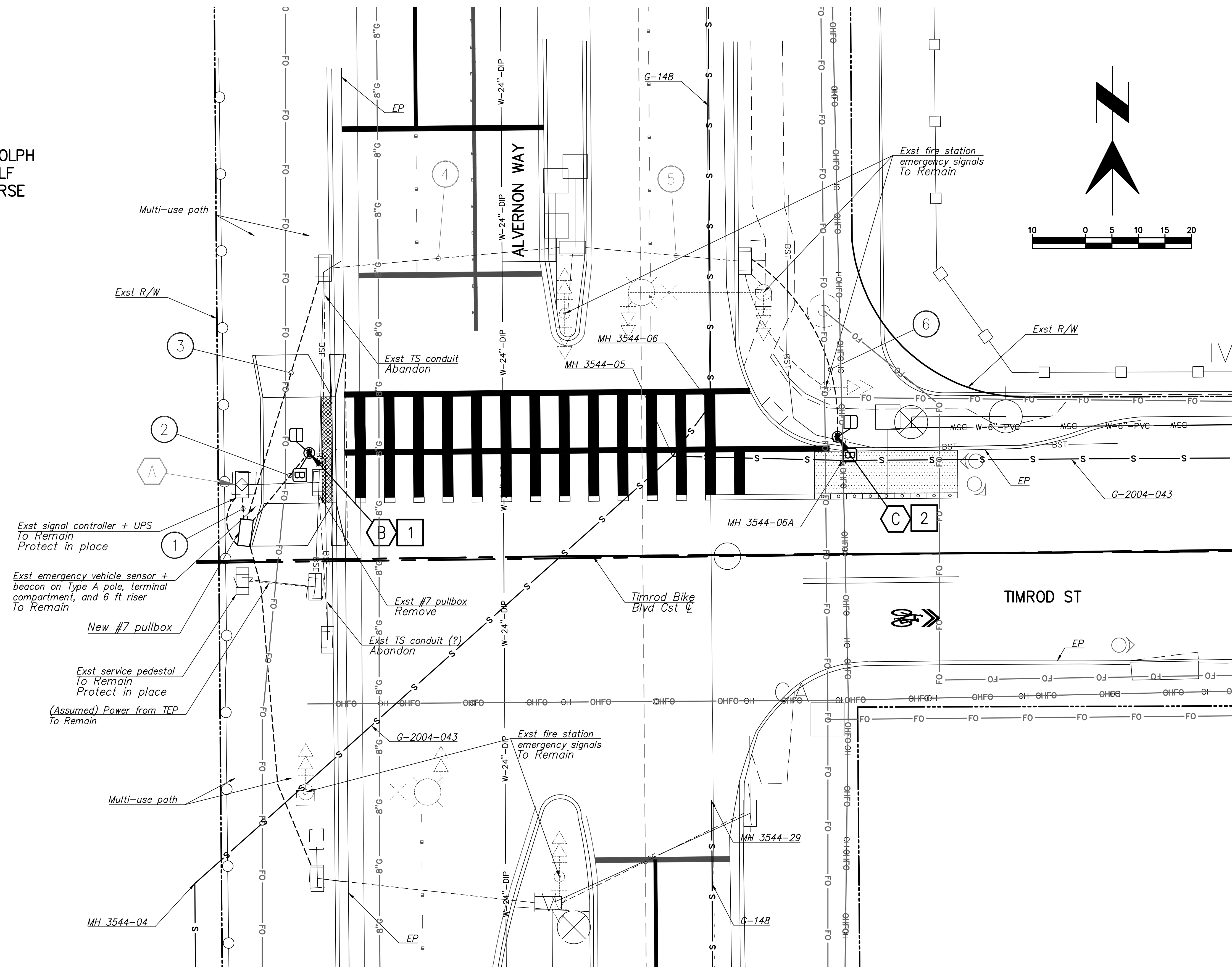
CONSTRUCTION KEYNOTES

- Location of center of foundation for new Type A pole will be between back of existing curb & gutter and asphalt path, 4.15 ft from back of curb & gutter, 12.62 ft east and 5.99 ft north of center of existing traffic signal controller. Center of the foundation will be on the extension of the stripe between the new pedestrian crosswalk and the bicycle crossing. Pothole the location, locate underground electric lines.

Before construction of the new ramp, curb and sidewalk (see civil Detail E), construct 2' wide by 3' deep foundation. Install conduit. Install bottom of baseplate of pole at elevation of new ramp which will also serve as the foundation cap for signal pole.

- Remove sidewalk panel that contains the signpost with STOP and street name signs and that is between the ADA ramp and the driveway. Center of proposed pole foundation will be 1.5 ft from back of curb and the edge of the ADA ramp. Location shown in drawing is approximate. Pothole the location to determine locations and depth of buried telephone line(s) and sewer line. Construct 2' wide x 3' deep foundation, install conduit, install Type A pole with bottom of baseplate at elevation of curb. Replace sidewalk, which will also serve as the foundation cap for signal pole. Mount Removed signpost and signs on signal pole.

RANDOLPH GOLF COURSE



CONDUIT AND CONDUCTOR SCHEDULE

CONDUIT-CONDUCTOR RUN NUMBER	1	2	3	4	5	6
# OF CONDUITS, IF KNOWN	3	1	3			
CONDUIT SIZE, IF KNOWN	4"	3"	4"			3"
IS CONDUIT EXISTING (E) OR NEW (N)	N	N	N	E	E	N
# OF ADD'L IMSA 16-CONDUCTOR CABLES						
# OF ADD'L IMSA 7-CONDUCTOR CABLES	2	1	1	1	1	1
#B BARE EQUIPMENT BOND	1	1	1	1	1	1

DETAILS

ITEM	STD. DTL.
MTG	TYPE V PAGE T 903
	TYPE XI PAGE T 909
FACE	TYPE F MOD PAGE T 801
	BIKES WAIT / BIKES OK Sheet TS01
	TYPE PED PAGE T 804

TIMROD STREET / ALVERNON WAY
TRAFFIC SIGNAL PLAN

ADOT TRACS No. 0000 PM TUC T0129 01C
Federal Project No. TAP-TUC-0(264)D

TS07 of 10

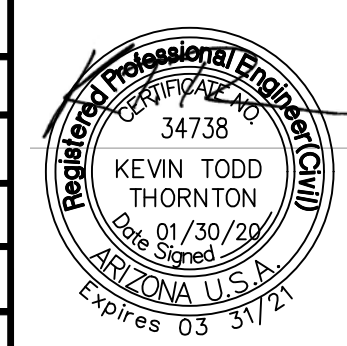
(A) Existing traffic signal control cabinet. Upgrade to Cobalt controller and new MMU, provided by COT. Traffic Signal Shop will rewire cabinet.

POLE SCHEDULE

POLE ID AND EQUIPMENT	MAST ARMS TYPE	SIG	LUM	SIGNALS		PUSHBUTTON TYPE	LUMINAIRE	REMARKS	LOCATION STATION, OFFSET TIMROD BIKE BLVD CL
				MTG	FACE				
(B)	A 10' T 401	-	-	2-XI	1-PED 1-BIKES WAIT/ BIKES OK	1-APS 1-TYPE 1 2" ADA	-	INSTALL ON BREAKAWAY BASE ADOT T.S. 5-1	STA 200+21.42, 20.06' Lt
(C)	A 10' T 401	-	-	2-XI	1-PED 1-BIKES WAIT/ BIKES OK	1-APS 1-TYPE 1 2" ADA	-	INSTALL ON BREAKAWAY BASE ADOT T.S. 5-1	STA 201+20.93, 22.08' Lt

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DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

ARCADIA AND TIMROD BICYCLE BOULEVARDS
GRANT ROAD TO EASTLAND ST AND ALVERNON WAY TO CRAYCROFT RD
Traffic Signal Sheets

NO.	DATE	REVISION	BY	CHKD.	APPR.

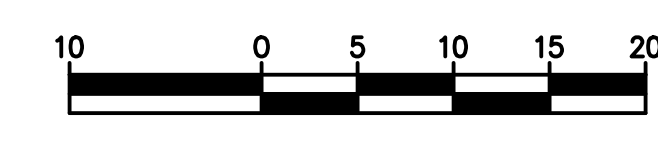
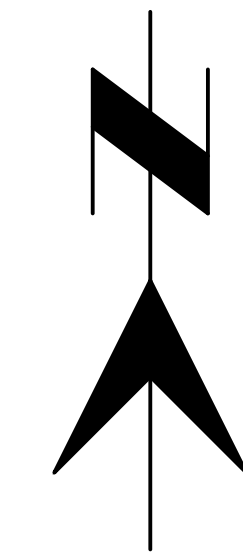
Approvals	Signatory	Date

Approved: _____ 20__

TRANSPORTATION DIRECTOR

REF. _____ SCALE: _____

DRWN. BY: RCS_2019 DSGN. BY: RCS_2019 CHKD. BY: KT_2020 PLAN NO. U-2018-011



CONSTRUCTION NOTES

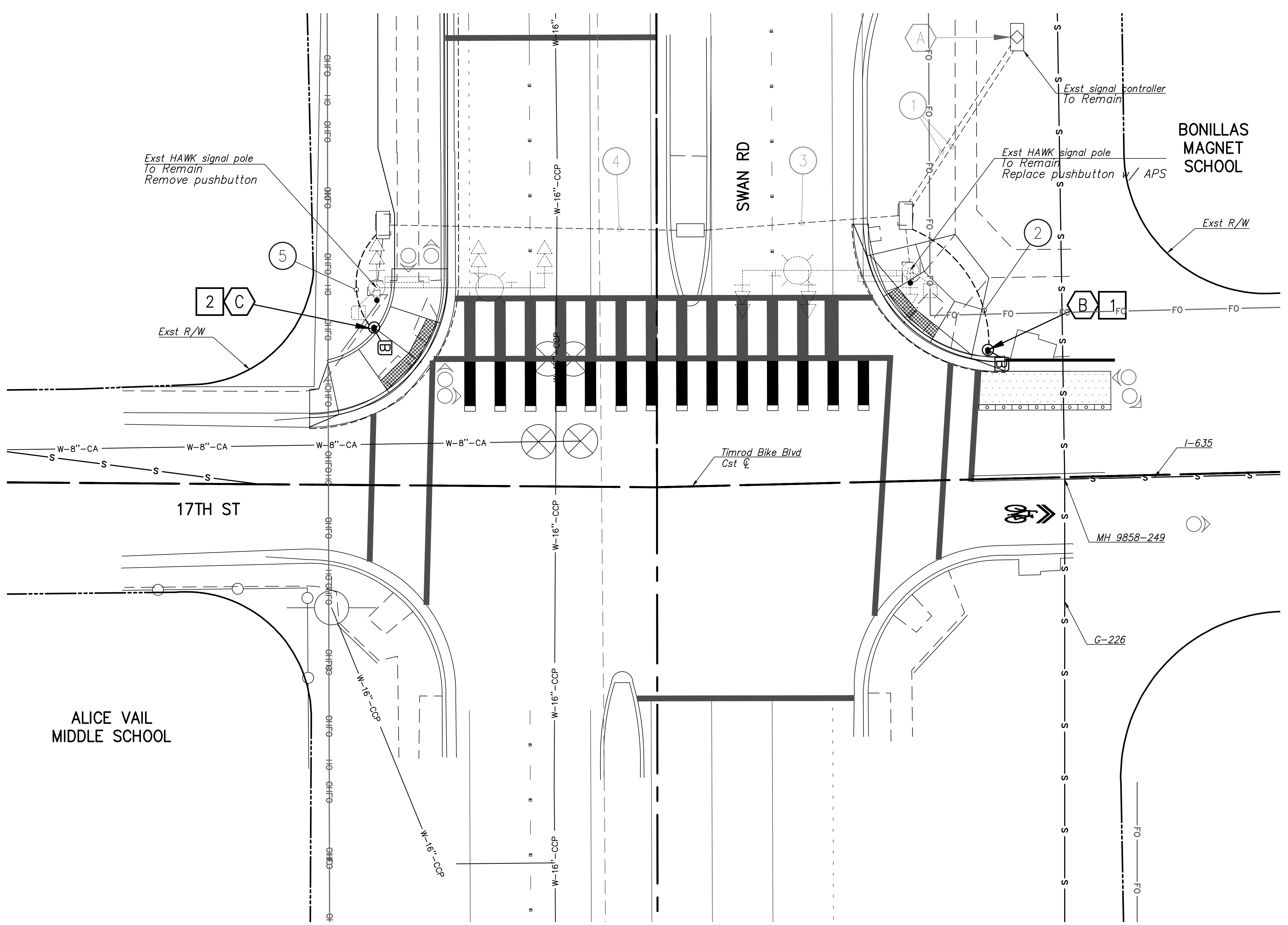
- Locations of existing signal poles, pullboxes, and conduit runs are based on ground survey, Bluestake markings, additional field checking, and as-built plans for City of Tucson traffic signal plan PS-6306 / construction plan TS-0840.
- All existing signal equipment is to remain unless noted otherwise.
- See sheet TS01 for Pole Schedule General Notes and Conduit and Conductor Schedule General Notes.

CONSTRUCTION KEYNOTES

- Center of signal pole foundation will be 1.5 ft from back of existing curb and midway between existing ramp and catch basin. Before construction of the new ramp, curb and sidewalk (see civil Detail F), construct 2' wide by 3' deep pole foundation. Install Type A pole with bottom of baseplate at elevation of adjacent curb and catch basin. Install conduit. Add foundation cap.
- Center of signal pole foundation will be 1.0 ft from back of new ramp (blended transition). Before construction of new ramp, curb and sidewalk (see civil Detail F), construct 2' wide by 3' deep pole foundation. Install Type A pole with bottom of baseplate at elevation of back of new ramp. Install conduit. Add foundation cap.

CONDUIT AND CONDUCTOR SCHEDULE					
CONDUIT-CONDUCTOR RUN NUMBER	1	2	3	4	5
# OF CONDUITS, IF KNOWN	2	1	1	1	1
CONDUIT SIZE, IF KNOWN	3"	2"	4"	4"	2"
IS CONDUIT EXISTING (E) OR NEW (N)	E	N	E	E	N
# OF ADD'L IMSA 16-CONDUCTOR CABLES					
# OF ADD'L IMSA 7-CONDUCTOR CABLES	2	1	1	1	1
#8 BARE EQUIPMENT BOND	1	1	1	1	1

DETAILS		
ITEM	STD. DTL.	
MTG	TYPE XI	PAG T 909
FACE	BIKES WAIT / BIKES OK	Sheet TS01



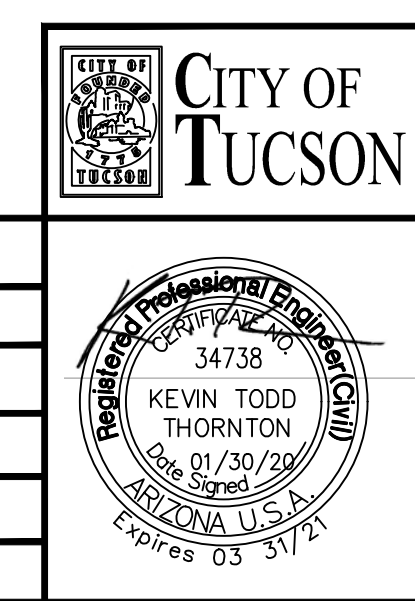
(A) Existing traffic signal control cabinet. Upgrade to Cobalt controller and new MMU, provided by COT. Traffic Signal Shop will rewire cabinet.

POLE SCHEDULE									
POLE ID AND EQUIPMENT	TYPE	MAST ARMS		SIGNALS		PUSHBUTTON TYPE	LUMINAIRE	REMARKS	LOCATION STATION, OFFSET TIMROD BIKE BLVD ☿
		SIG	LUM	MTG	FACE				
(B)	A 10' T 401	-	-	1-XI	1-BIKES WAIT/ BIKES OK	1-TYPE 1 2" ADA	-	INSTALL ON BREAKAWAY BASE ADOT T.S. 5-1	STA 263+23.24, 23.47' Lt
(C)	A 10' T 401	-	-	1-XI	1-BIKES WAIT/ BIKES OK	1-APS 1-TYPE 1 2" ADA	-	-	STA 262+10.89, 28.63' Lt

17TH STREET / SWAN ROAD TRAFFIC SIGNAL PLAN

ADOT TRACS No. 0000 PM TUC T0129 01C
Federal Project No. TAP-TUC-0(264)D
TS08 of 10

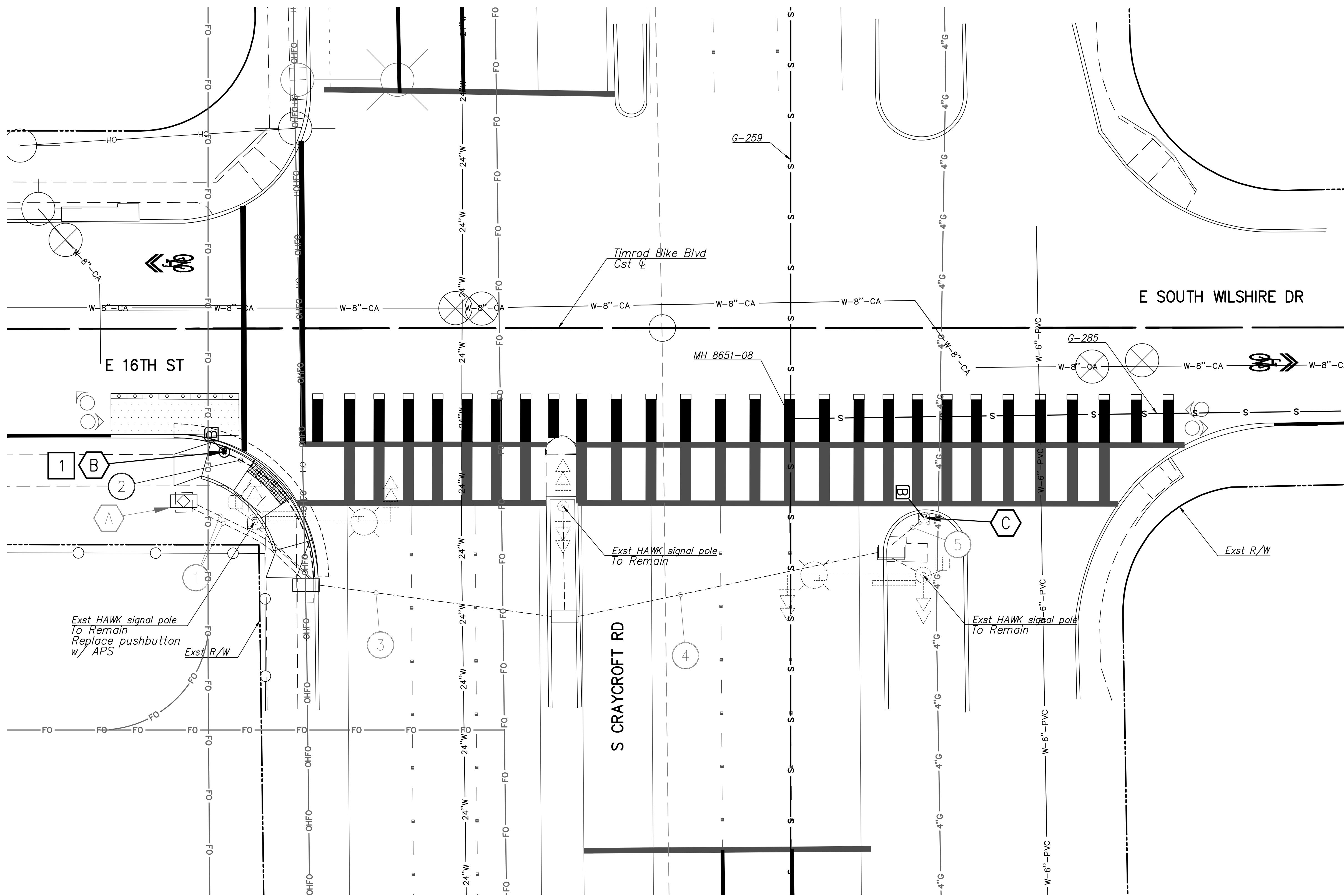
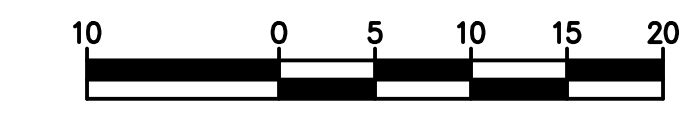
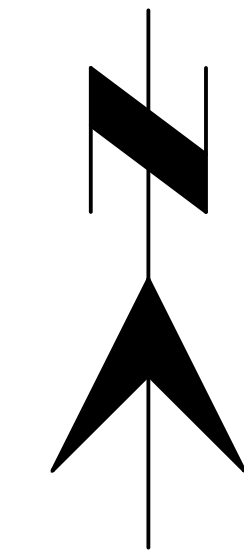
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DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION			
ARCADIA AND TIMROD BICYCLE BOULEVARDS GRANT ROAD TO EASTLAND ST AND ALVERNON WAY TO CRAYCROFT RD			
Traffic Signal Sheets			
Approvals	Signatory	Date	Approved _____ 20__
			68 OF 80
			TRANSPORTATION DIRECTOR
REF. _____			SCALE: _____
DRWN. BY RCS_ 20 19	DSGN. BY RCS_ 20 19	CHKD. BY KT_ 20 20	PLAN NO. U-2018-011

NO.	DATE	REVISION	BY	CHKD.	APPR.

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CONSTRUCTION NOTES

- Locations of existing signal poles, pullboxes, and conduit runs are based on ground survey, Bluestake markings, additional field checking, and as-built plans for City of Tucson traffic signal plan PS-6304 / construction plan TS-0710.
- All existing signal equipment is to remain unless noted otherwise.
- See sheet TS01 for Pole Schedule General Notes and Conduit and Conductor Schedule General Notes.

CONSTRUCTION KEYNOTES

- Before construction of new ramp, curb and sidewalk (see civil Sheet RP06), construct 2' wide by 3' deep pole foundation 2 ft away from face of new curb. Install Type A pole with bottom of baseplate at elevation of new sidewalk which will also serve as foundation cap for signal pole. Install conduit.

CONDUIT AND CONDUCTOR SCHEDULE					
CONDUIT-CONDUCTOR RUN NUMBER	1	2	3	4	5
# OF CONDUITS, IF KNOWN	2	1	1	1	1
CONDUIT SIZE, IF KNOWN	3"	2"	2"	2"	1.5"
IS CONDUIT EXISTING (E) OR NEW (N)	E	N	E	E	E
# OF ADD'L IMSA 16-CONDUCTOR CABLES					
# OF ADD'L IMSA 7-CONDUCTOR CABLES	2	1	1	1	1
#8 BARE EQUIPMENT BOND	1	1	1	1	1

DETAILS		
ITEM	STD. DTL.	
MTG	TYPE XI	PAG T 909
FACE	BIKES WAIT / BIKES OK	Sheet TS10

(A) Existing traffic signal control cabinet. Upgrade to Cobalt controller and new MMU, provided by COT. Traffic Signal Shop will rewire cabinet.

POLE SCHEDULE

POLE ID AND EQUIPMENT	TYPE	MAST ARMS		SIGNALS		PUSHBUTTON TYPE	LUMINAIRE	REMARKS	LOCATION STATION, OFFSET TIMROD BIKE BLVD CST ☿
		SIG	LUM	MTG	FACE				
(B)	A 10' T 401	-	-	1-XI	1-BIKES WAIT / BIKES OK	1-TYPE 1 2" ADA	-	INSTALL ON BREAKAWAY BASE ADOT T.S. 5-1	STA 316+84.79, 23.14' Rt
(C)	A 10' T 401	-	-	1-XI	1-BIKES WAIT / BIKES OK	1-APS, SHARED PED/BIKE	-	REPLACE PPB POST WITH TYPE A POLE ON BREAKAWAY BASE ON EXST FOUNDATION	STA 318+16.11, 35.64' Rt

16TH STREET / CRAYCROFT ROAD / E SOUTH WILSHIRE DRIVE TRAFFIC SIGNAL PLAN

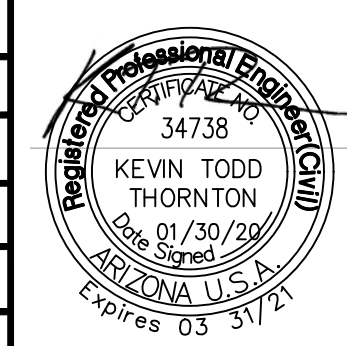
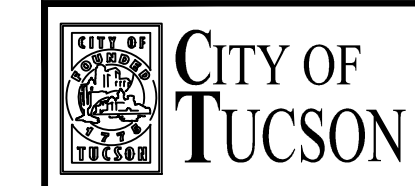
ADOT TRACS No. 0000 PM TUC T0129 01C
Federal Project No. TAP-TUC-0(264)D TS09 of 10

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

ARCADIA AND TIMROD BICYCLE BOULEVARDS
GRANT ROAD TO EASTLAND ST AND ALVERNON WAY TO CRAYCROFT RD

Traffic Signal Sheets

PSOMAS
333 E. Wetmore Road, Suite 450
Tucson, AZ 85705
(520) 292-2300 (520) 292-1290 fax
www.psomas.com



NO.	DATE	REVISION	BY	CHKD.	APPR.

Approvals	Signatory	Date	Approved	69 OF 80
TRANSPORTATION DIRECTOR				
REF. SCALE:				
DRWN. BY RCS 2019 DSGN. BY RCS 2019 CHKD. BY KT 2020				
PLAN NO. U-2018-011				

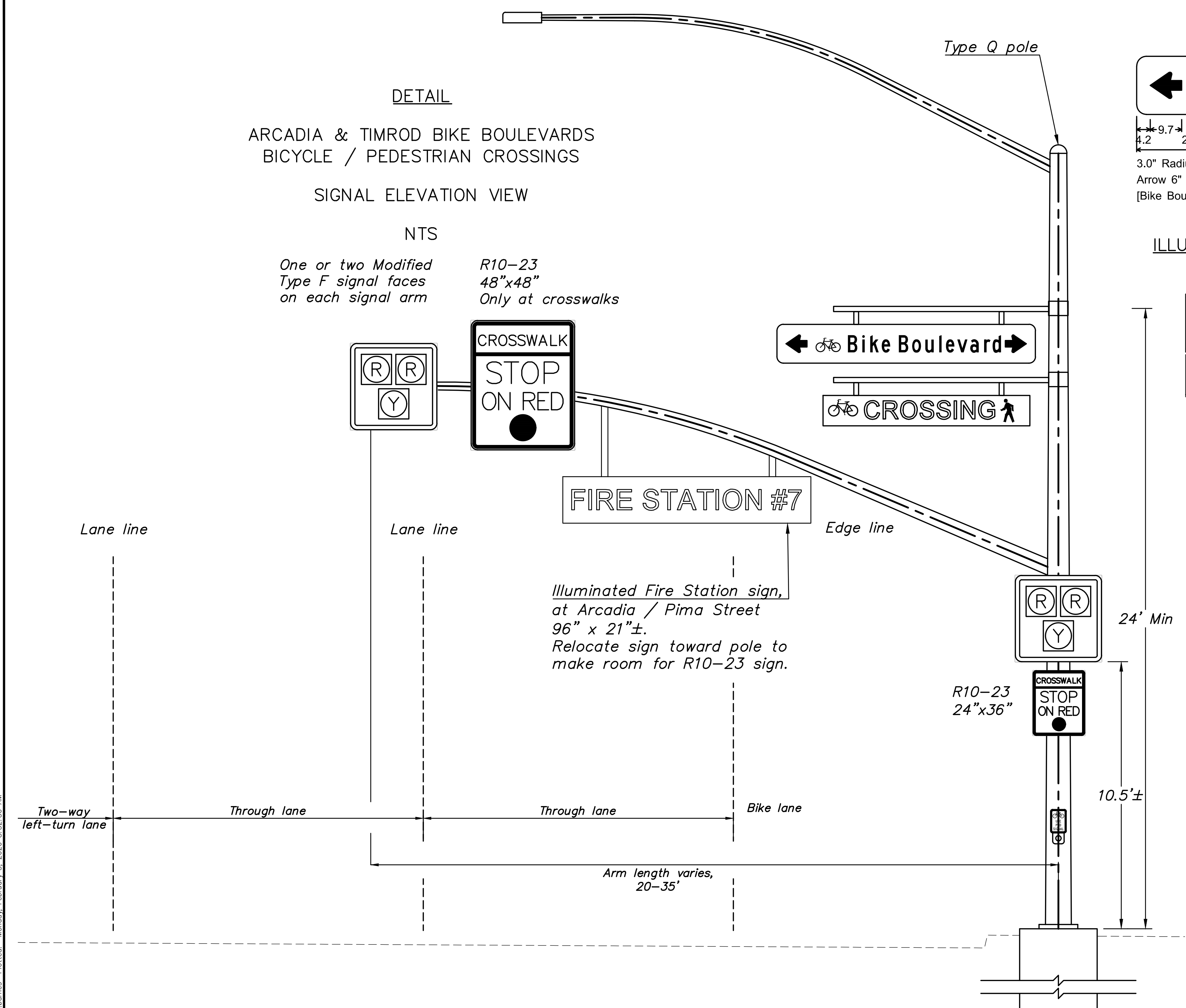
T:\V105170201\TRANSF\SHETS\Traffic\Signals\C-A1011301-09.dwg TS09 - Last Saved: Mon, 03 Feb 2020 8:32:23 AM Plotted: Monday, February 3, 2020 8:32:23 AM

DETAIL
ARCADIA & TIMROD BIKE BOULEVARDS
BICYCLE / PEDESTRIAN CROSSINGS

SIGNAL ELEVATION VIEW

NTS

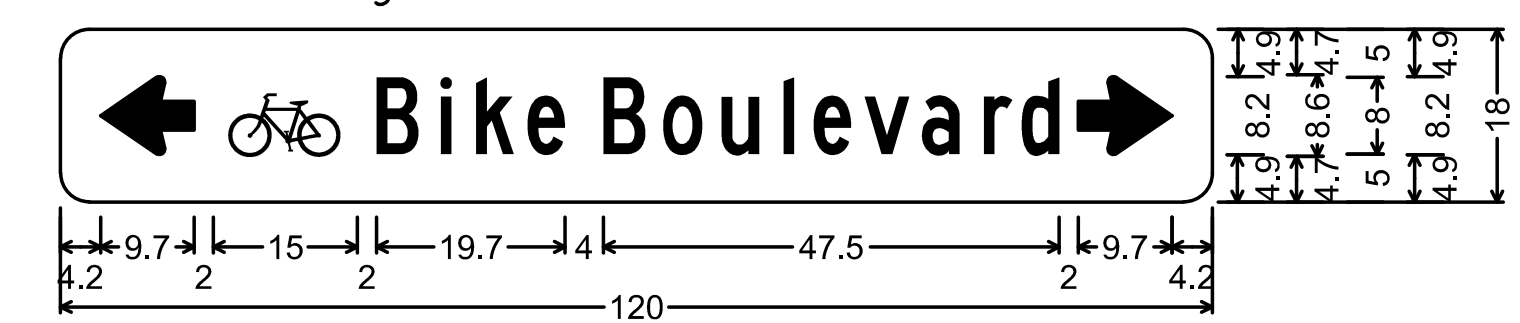
One or two Modified Type F signal faces on each signal arm
R10-23 48"x48" Only at crosswalks



Illuminated Fire Station sign, at Arcadia / Pima Street 96" x 21"±. Relocate sign toward pole to make room for R10-23 sign.

BIKE BOULEVARD SIGN DETAIL

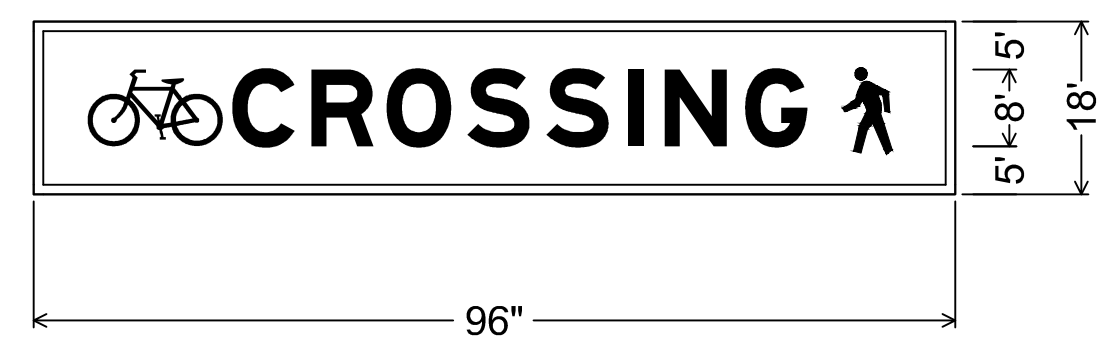
Legend on front and back



3.0" Radius, No border, None on Blue;
Arrow 6" Type D1 - 180° White; Symbol RG025 White;
[Bike Boulevard] White C; Arrow 6" Type D1 - 0° White;

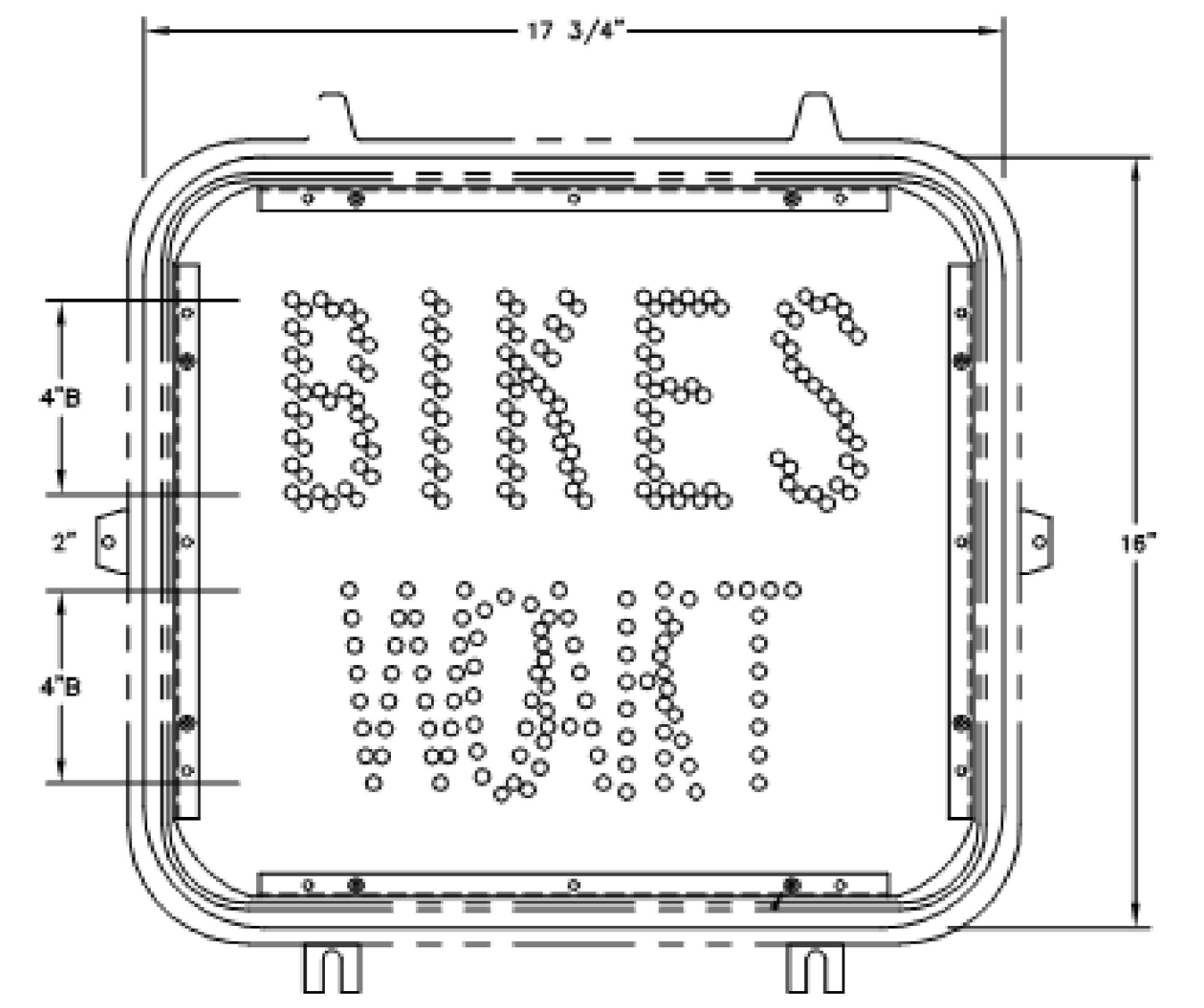
ILLUMINATED BIKE-PED CROSSING SIGN DETAIL

Legend on front and back

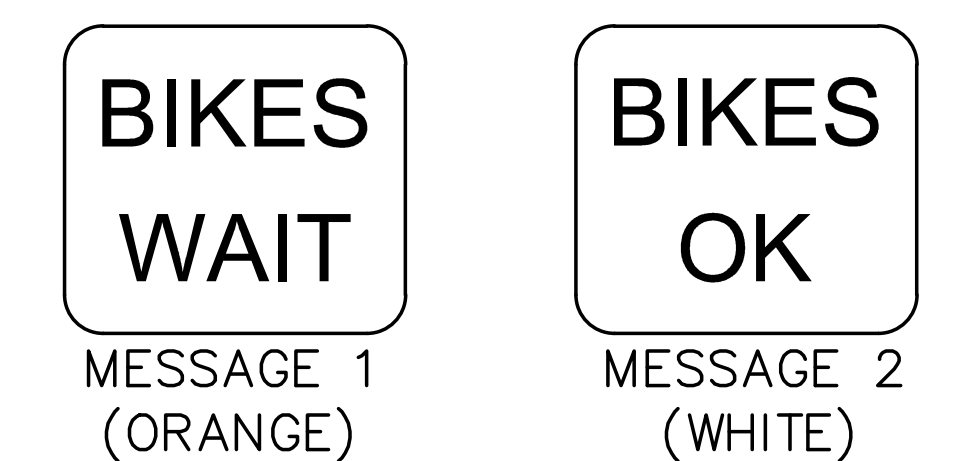


1.0" Border, Black on Yellow;
[1] Black Highway Symbols;
[CROSSING] Black E Mod 2K;
[T?] Black Highway Symbols;

BIKE ILLUMINATED SIGN DETAIL



1. Messages formed by rows of high-intensity LEDs. LEDs spaced at 9/16" O.C. (nominal).
2. Letters shall be 4" in height with graphic characters of the Standard Highway Alphabet Series "B".
3. Message displays and colors are shown below.
4. Messages shall completely blank out when not energized.
5. Messages shall be visible anywhere within a 15-degree cone centered about the optical axis.
6. For use with 16" ICC or McCain housing. Corners may be round or square.
7. Face plate shall be acid-etched and painted with two coats of zinc-chromate primer, and finished with two coats of non-reflective flat black enamel.



HAWK SIGNAL OPERATION

Interval / condition	Pedestrian signal	Bike illuminated sign	F Mod head	Vehicle control
No pedestrians or bicyclists present	Steady upraised hand	Steady BIKES WAIT	Dark	Free to proceed
Call from pedestrian or bicycle pushbutton	Steady upraised hand	Steady BIKES WAIT	Flashing yellow	Proceed only if safe
Yellow interval for vehicles	Steady upraised hand	Steady BIKES WAIT	Solid yellow	Prepare to stop
Pedestrian walk interval	Walking person	BIKES OK	Solid red (both)	Stop
Pedestrian clearance interval	Flashing upraised hand	Flashing BIKES WAIT	Alternating flashing red	Proceed after stop if crosswalk is cleared

HAWK SIGNAL DETAILS

ADOT TRACS No. 0000 PM TUC T0129 01C
Federal Project No. TAP-TUC-0(264)D

TS10 of 10

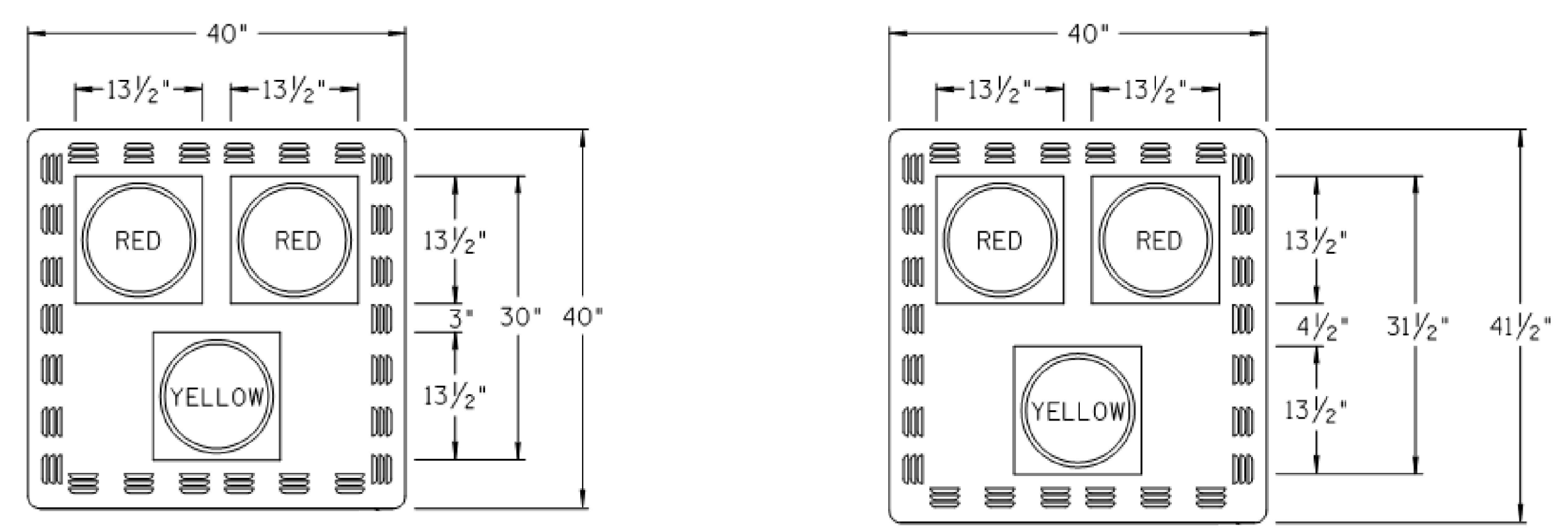
DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

ARCADIA AND TIMROD BICYCLE BOULEVARDS
GRANT ROAD TO EASTLAND ST AND ALVERNON WAY TO CRAWCROFT RD

Traffic Signal Sheets

Approvals	Signatory	Date	Approved _____ 20__	70 OF 80
			TRANSPORTATION DIRECTOR	
REF. _____			SCALE: _____	PLAN NO. U-2018-011
DRWN. BY RCS_2019	DSGN. BY RCS_2019	CHKD. BY KT_2020		

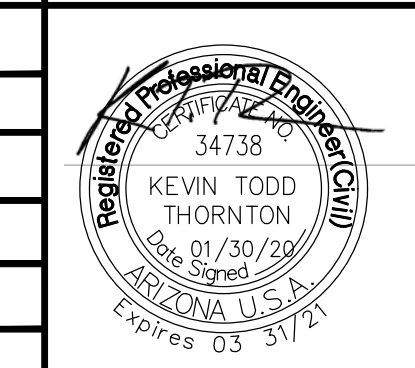
F MOD SIGNAL FACE DETAIL



With plumbizer

- (3) 12" indications, (2) red over (1) yellow, all LED
- Louvered backplate extending 5 inches from signal housings
- 2" fluorescent yellow reflective border on backplate does not cover any louvers

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NO.	DATE	REVISION	BY	CHKD.	APPR.

T:\TUS107020\TRANSP\SHETS\Traffic\Signs\C-A101\TS10_Details.dwg TS10 - Last Saved: Mon, 03 Feb 2020 8:32:30 AM By: Elizabeth Barnes Plotted: Monday, February 3, 2020 8:32:30 AM

PLANT MATERIAL SCHEDULE

TREES

SYMBOL	BOTANICAL NAME COMMON NAME	QTY	CONTAINER SIZE	MIN. H/ CALIPHER
	Chilopsis linearis 'Bubba' Bubba Desert Willow	3	36" Box	10/2
	Olneya tesota Ironwood	4	36" Box	8/2

CACTI AND SUCCULENTS

SYMBOL	BOTANICAL NAME COMMON NAME	QTY	CONTAINER SIZE	MATURE SIZE
	Agave murpheyi Murphy's agave	19	5 Gal	3' x 3'
	Carnegiea gigantea Saguaro	6	4'-7'	40'
	Dasylirion wheeleri Desert Spoon	17	5 Gal	5' x 5'

SHRUBS / GROUNDCOVERS

SYMBOL	BOTANICAL NAME COMMON NAME	QTY	CONTAINER SIZE	MATURE SIZE
	Aristida purpurea Purple Three Awn	17	5 Gal	2' x 2'
	Asclepias linaria Pineleaf milkweed	24	5 Gal	2' x 2'
	Dalea pulchra Indigo bush	8	5 Gal	5' x 5'
	Justicia californica Chuparosa	6	5 Gal	5' x 5'
	Muhlenbergia rigens Deer grass	6	5 Gal	5' x 5'
	Thymophylla pentachaeta Golden Dogweed	36	1 Gal	1' x 1'

HARDSCAPE SCHEDULE

SYMBOL	ITEM	QTY	SIZE & COLOR	ITEM NO.
	Plating Material	458 SY	1/2" Vitrified Clay Mulch	8030050
	Riprap - Hand Placed/Grouted	218 SY	4"-6" Santa Fe Gold	9130009
	Decorative Boulder - Large	6 EA	3' x 3' x 1.5' min., Santa Fe Gold	8030075
	Decorative Boulder - Small	7 EA	2' x 2' x 1' min., Santa Fe Gold	8030074
	Pavement Marking 1	2,250 SF	Thermoplastic coating; Pantone 368 green or approved equal	7040122
	Pavement Marking 2	2,604 SF	Thermoplastic coating; Pantone 288 blue or approved equal	

LANDSCAPE GENERAL NOTES

- Plant and hardscape material installed outside of 5' radius from center of traffic circles shall have a height of less than eighteen inches (18") (mature height plants). 36" box trees exception due to height clearance.
- No plant or hardscape material shall be located on hand placed grouted riprap.
- The work shall be done in accordance with the Plans, Special Provisions and the Standard Specifications and Details for Public Improvements, PAG 2016 Edition. Contractor is responsible to obtain copies of the above, as well as all other standards and specifications which may be necessary to completely and accurately interpret these plans.
- All quantities listed are approximate. They are shown for the contractor's convenience. It is the contractor's responsibility to generate a bid estimate based upon the project plans and the actual quantity of plant symbols shown on the plans. In case of discrepancy, quantities shown on plan will prevail.
- All plant materials shall comply with the latest amended edition of the "Arizona Nursery Association recommended tree specifications" sizes for caliper, height and width unless otherwise indicated on these plans.
- Refer to Special Provisions for additional requirements not shown on drawings.

UTILITIES/SETBACKS

- The Contractor shall be responsible for locating and protecting all underground utilities, pipes and structures prior to starting work. Contractor shall take sole responsibility for any cost incurred due to damage of these utilities during the landscape installation.
- Contractor shall not cover manholes and survey monuments with plating material or riprap. Refer to Traffic Circle Details.
- All plant material located within ten (10) feet horizontally of the public sanitary sewer and manholes and/or within the public sewer easements shown hereon shall be in accordance with the planting guidelines contained within Section 7.7, PCRWRD Engineering Design Standards, 2016 Edition and Detail RWRD 111, SSDC current editions.
- No landscape trees shall be planted within eight feet (8') horizontal, of the 12" high pressure gas line. Tree Setbacks: Sewer: 10'; Water: 5'; Power and Traffic Poles: 10'; Gas: 8'; Electric: 3'-5'; Fire Hydrants: 3'-5'.

LANDSCAPE GRADING

- The Landscape Contractor is responsible for the fine grading of depressed basin within traffic circles. Refer to Landscape Details.
- The Engineer shall approve final grading of water harvesting basins prior to installation of inert material. Final grade to be approved prior to installing of decomposed granite or rock mulch. Rip bottom of basins 8" deep prior to requesting an inspection.
- Side slopes of traffic circles shall be 16:1. Refer to Landscape Details.

PLANTING NOTES

- All trees shall have a natural form with multi trunks and/or low branch standard. Provide 0.5" minimum caliper of main leaders for multiple trunk trees.
- Orient sun-burn susceptible plants per original rotation.
- The Landscape Architect reserves the right to refuse any plant material deemed unacceptable upon delivery to the site. Plants with rootballs with circling roots and root-bound roots will be rejected. Contact Landscape Architect prior to installation.
- Contractor shall make no plant substitutions, of type or quantity, that deviate from the landscape without prior approval by the Landscape Architect.
- Provide plant stock true to botanical name and legibly tagged. Trademarked plants shall bear grower's tag.
- Test planting pit drainage and provide drainage chimneys as required by Specifications, taking extra precaution to ensure that drainage is adequate through caliche, if present. Notify TDOT Representative if planting pits do not drain within the required time period.
- The root crown shall be 1" above finish soil grade. Remove excess surface soil from container, exposing crown & root hairs. Trees that settle to below the 1" above finish soil grade level will be deemed too deep.
- All trees planted too deep or that have sunken 2" or more during the maintenance/warranty period will be replaced by landscape contractor at landscape contractor's expense.
- If the tree or plant pit is excavated beyond the optimal placement depth, the contractor is to replace soil under the rootball and mechanically tamp soil to 85% compaction. Replace soil in pit until the optimal plant placement depth is achieved.

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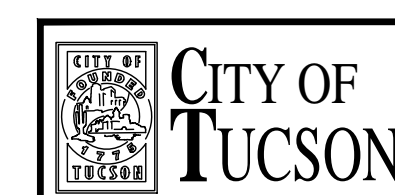
ADOT TRACS No. 0000 PM TUC T0129 01C
Federal Project No. TAP-TUC-0(264)D LS 01 of 10

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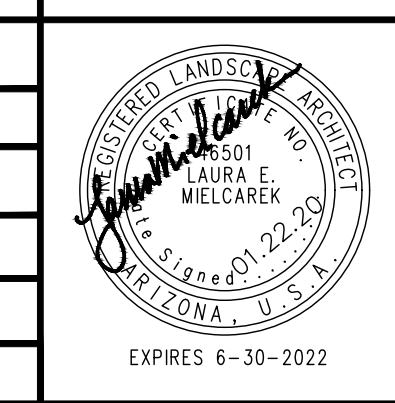
ARCADIA AND TIMROD BICYCLE BOULEVARDS
GRANT ROAD TO EASTLAND ST AND ALVERNON WAY TO CRAYCROFT RD
Landscape Summary

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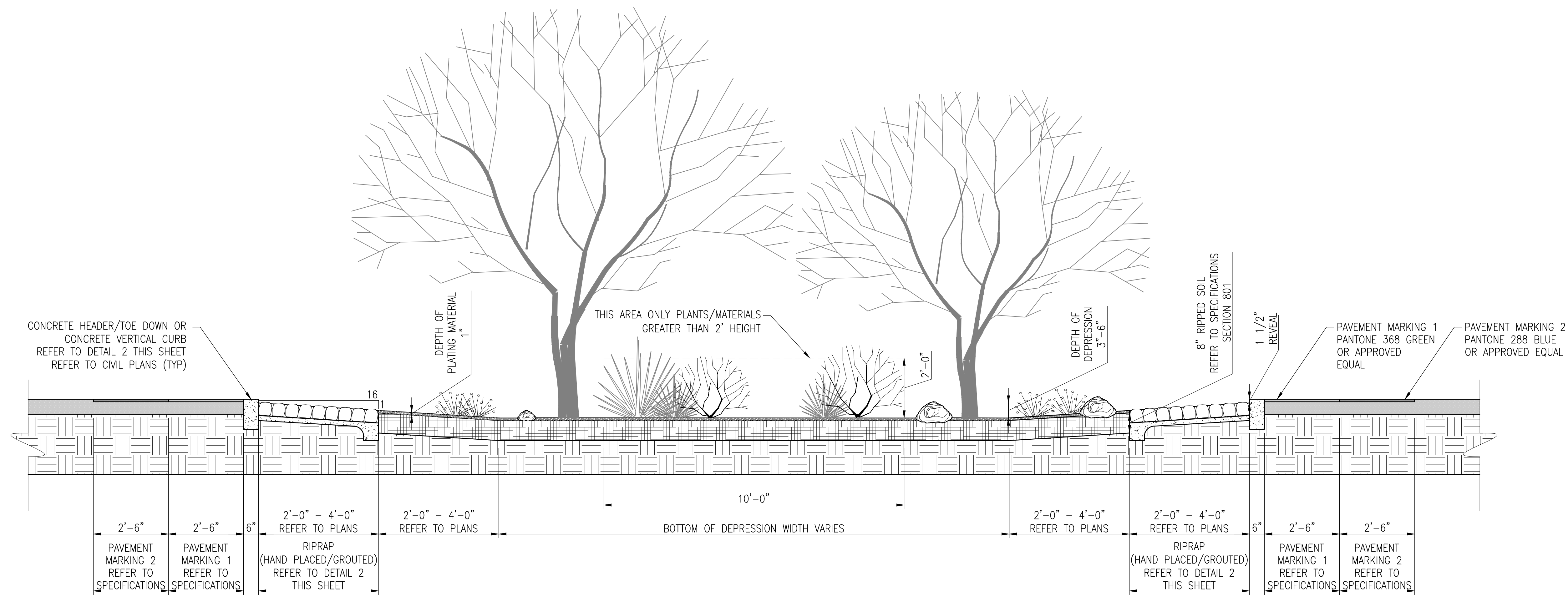
NO.	DATE	REVISION	BY	CHKD.	APPR.



Approvals	Signatory	Date	Approved	71 OF 80
				TRANSPORTATION DIRECTOR
				REF. SCALE: N/A
				PLAN NO. U-2018-011

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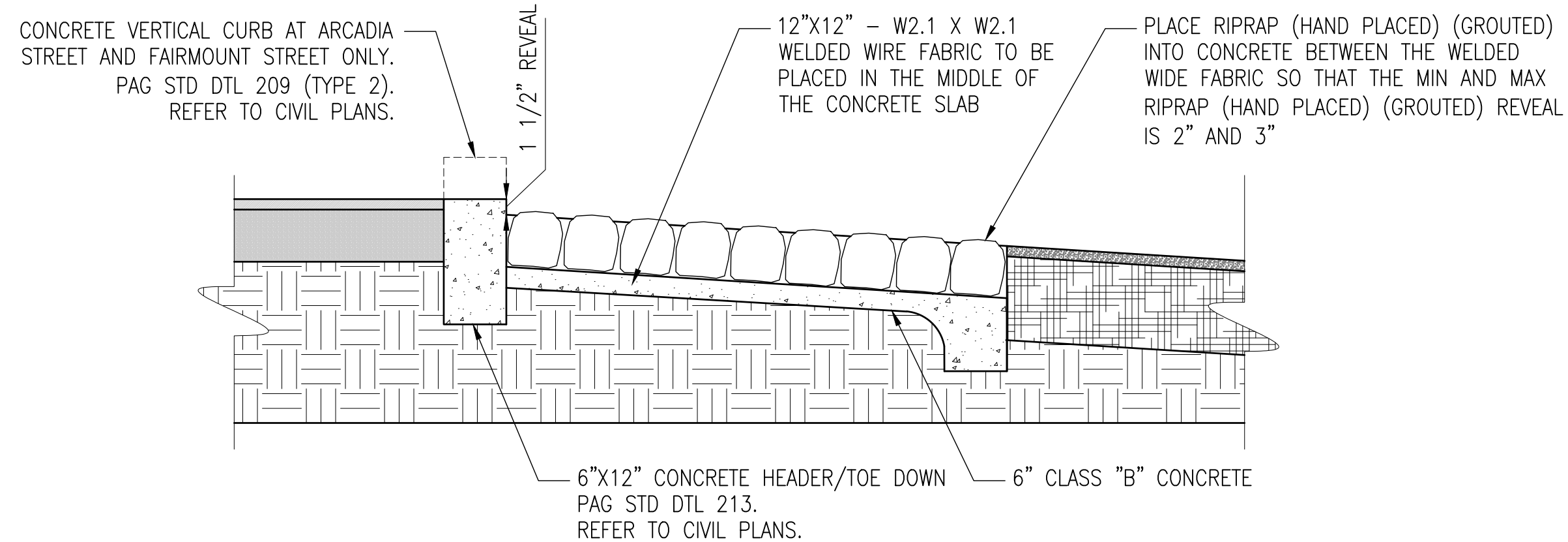
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- NOTES:**
- Traffic circle diameters vary. Refer to Civil Plans.
 - Boulders shall not be placed on top of riprap.
 - Slopes to receive riprap shall be graded at 16:1 prior to placing the concrete bed.
 - Plating material shall be installed at a depth of 1".

1 TRAFFIC CIRCLE SECTION

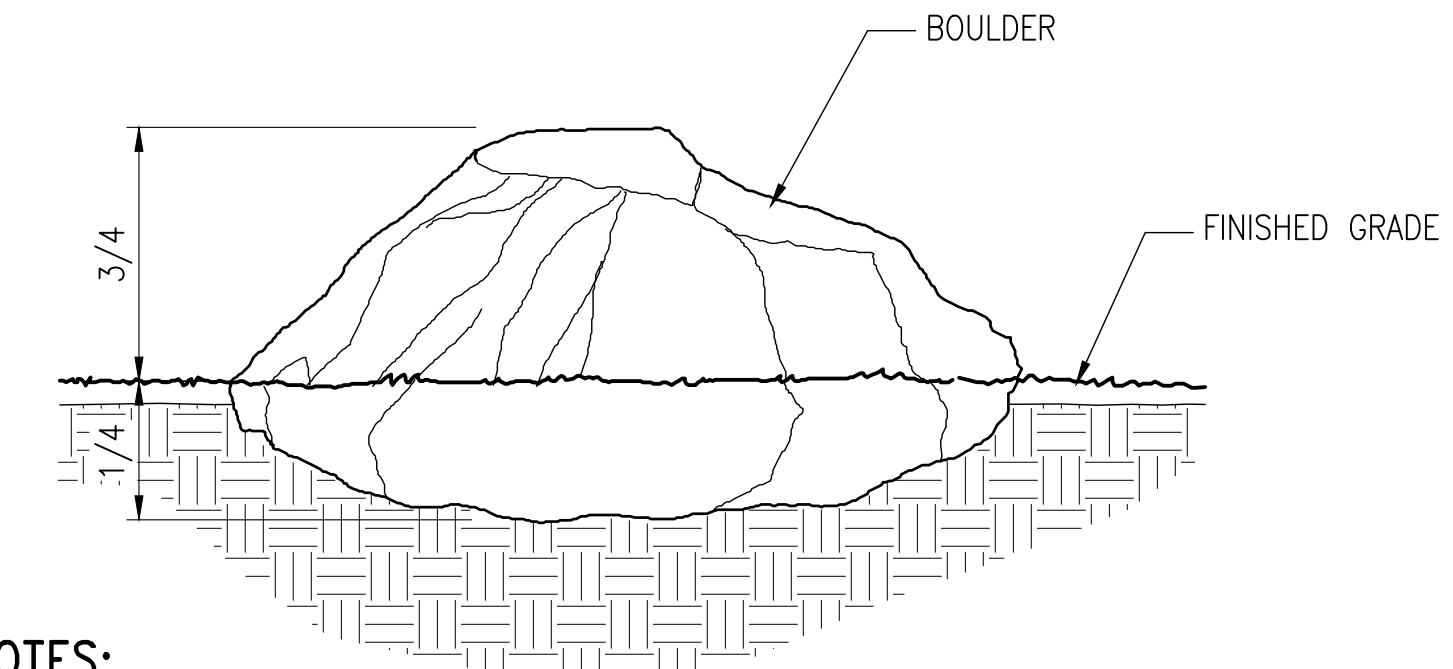
1/2"=1'-0"



- NOTES:**
- Refer to Civil Plans for Concrete Header/Toe Down and Concrete Vertical Curb locations.
 - Riprap (hand placed) (grouted) shall vary between 4" and 6".
 - Riprap (hand placed) (grouted) shall be hand placed in 6" thick concrete bed with 1/2" to 2" between rocks.
 - Riprap (hand placed) (grouted) color shall be Santa Fe Gold or approved equal.

2 RIPRAP (HAND PLACED) (GROUTED)

1"=1'-0"



- NOTES:**
- Boulder to be set with 1/4 mass below finished grade.
 - Set boulders firmly so they do not rock. Compact soil around edges.
 - All boulders to have weathered surface exposed.
 - All boulders shall be Santa Fe Gold, or approved equal.

3 BOULDER PLACEMENT

1"=1'-0"

ADOT TRACS No. 0000 PM TUC T0129 01C
Federal Project No. TAP-TUC-0(264)D LS 04 of 10

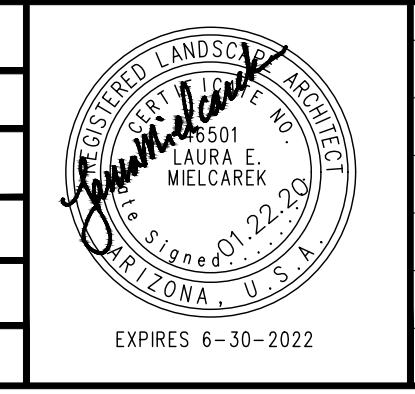
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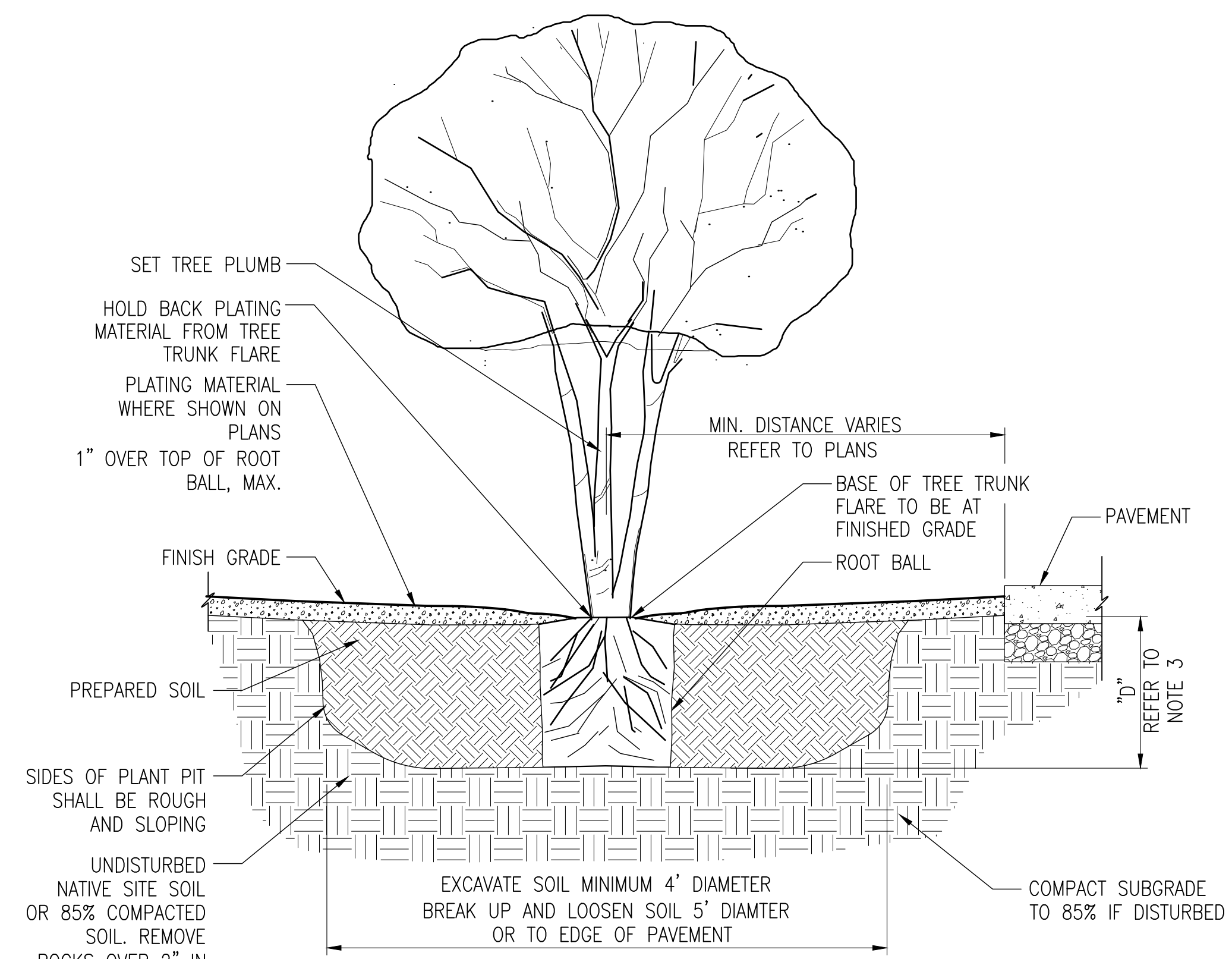
ARCADIA AND TIMROD BICYCLE BOULEVARDS
GRANT ROAD TO EASTLAND ST AND ALVERNON WAY TO CRAYCROFT RD
Landscape Details

NO.	DATE	REVISION	BY	CHKD.	APPR.



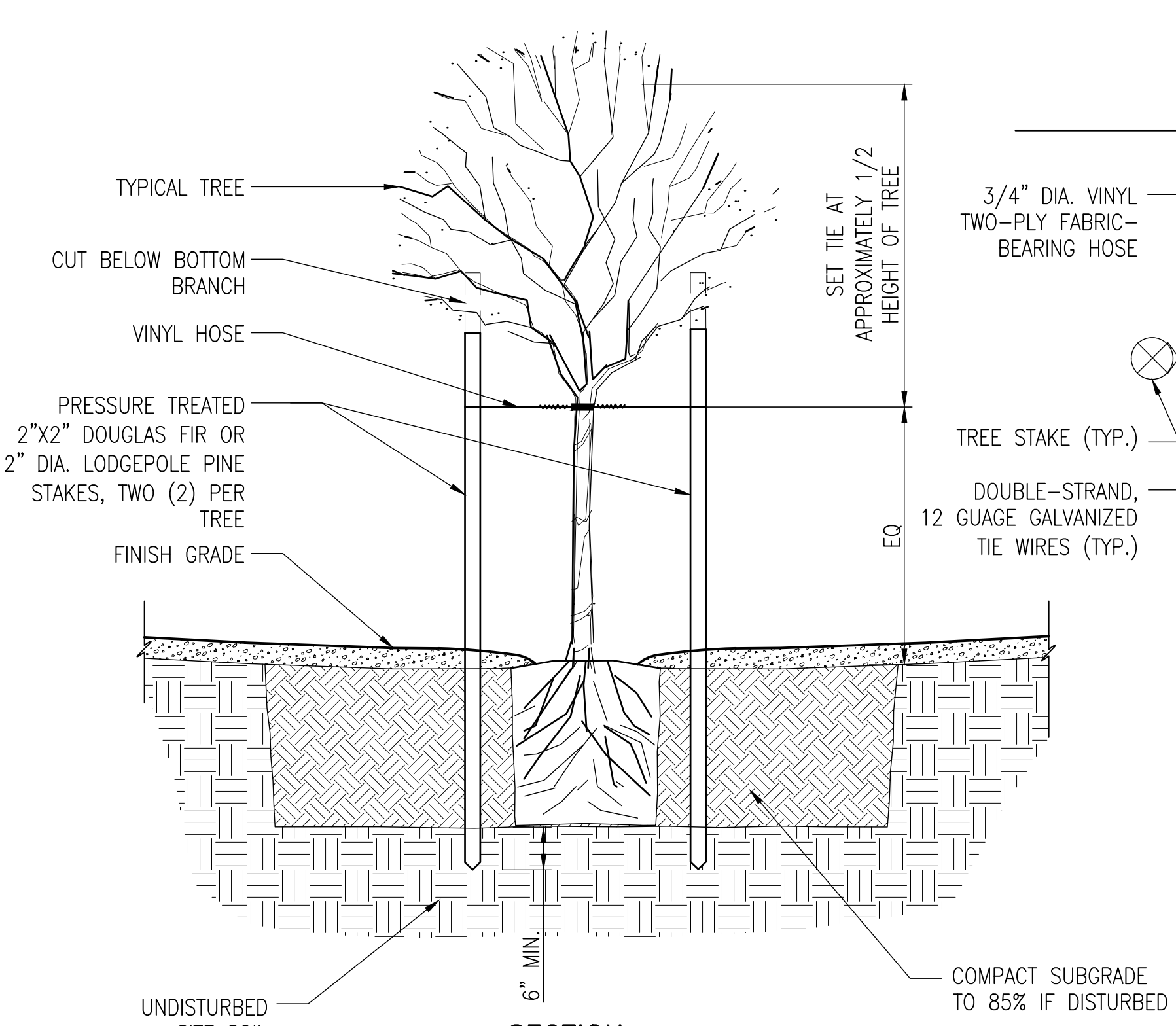
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			TRANSPORTATION DIRECTOR		
REF.	SCALE: N/A				
DRWN. BY AS/AR	20 20	DSGN. BY AS/AR	20 20	CHKD. BY LM	20 20
PLAN NO. U-2018-011					

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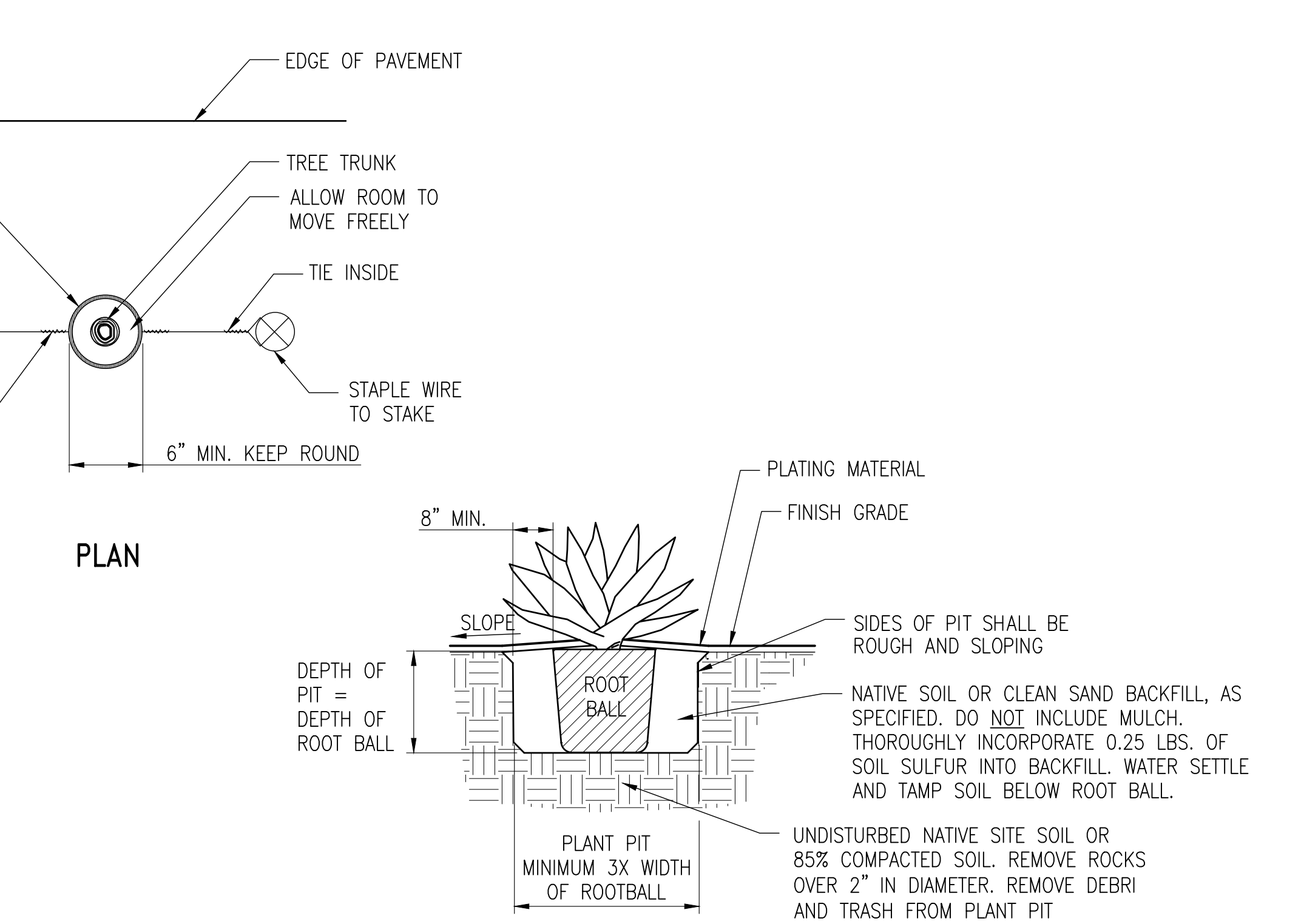
- NOTES:**
1. No plants shall be pruned except at the direction of the Owner's Representative.
 2. No trees to be staked except at the direction of the Owner's Representative.
 3. Depth ("D") of plant pit to be equal to depth of rootball.
 4. Test planting pit drainage and provide drainage chimneys. Allow water to settle and remove air pockets.
 5. Finish grade of root ball shall match finish grade of surrounding soil. Root ball may be placed up to 1" above surrounding soil to allow for settling. Do not place plating material at base of plant.

1 TREE PLANTING N.T.S.



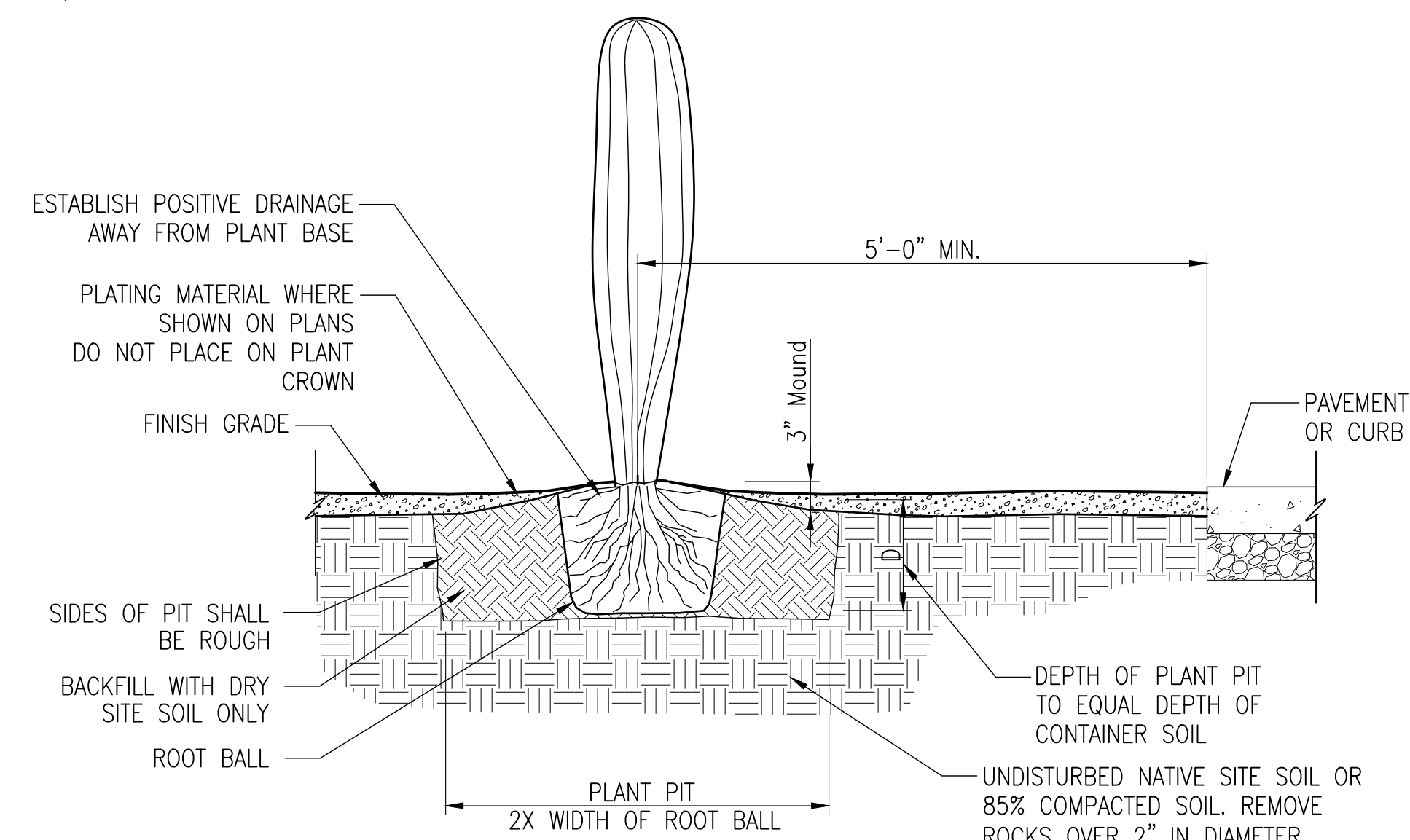
- NOTES:**
1. No plants shall be pruned except at the direction of the Owner's Representative.
 2. Remove all nursery staking, trees unable to stand upright unaided will be rejected.
 3. Stake tree only if needed, per direction of Owner's Representative.
 4. Set stakes parallel to sidewalk or street where applicable.

2 TREE STAKING DETAIL N.T.S.



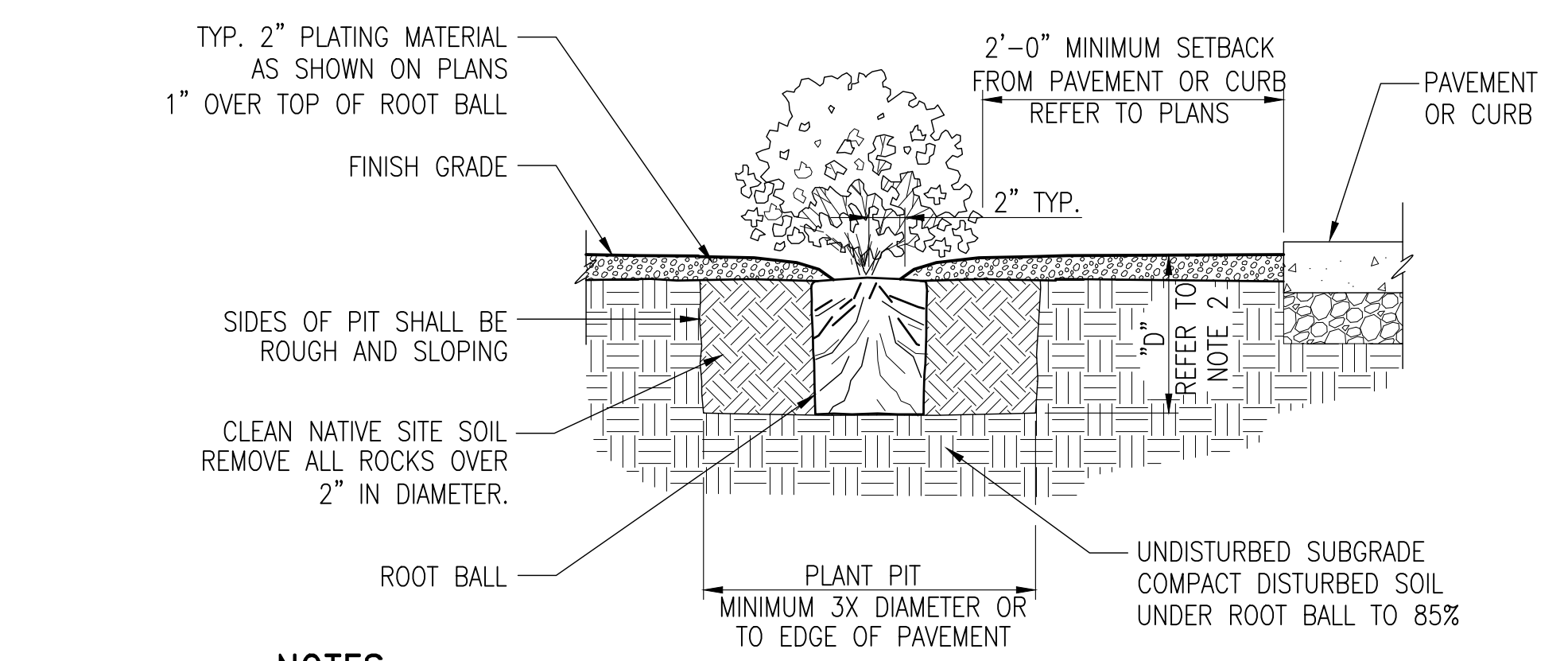
- NOTES:**
1. Do not create a basin at base of plant. Slope backfill away from stem.
 2. Set stem succulent so that top of root ball matches adjacent grade.
 3. Depth of plant pit to be equal to depth of rootball.
 4. This detail applies to nursery grown stock of the genera agave, aloe, dasylirion, hesperaloe, noina and yucca.

3 AGAVE/YUCCA PLANTING SCALE: 1"=1'-0"



- NOTES:**
1. Planting depth to be at same depth plant was originally grown. All saguaro placements must match original orientation with original north side facing north. North side of plants to be marked by nursery and/or landscape contractor.
 2. Finish grade of root ball shall match finish grade of surrounding soil. Root ball may be placed up to 1" above to allow for settling. Do not place plating material at base of plant.

4 SAGUARO PLANTING (CONTAINER GROWN) N.T.S.



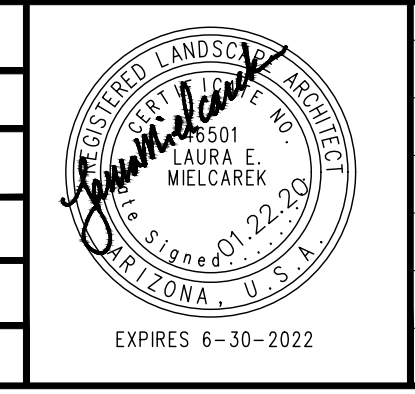
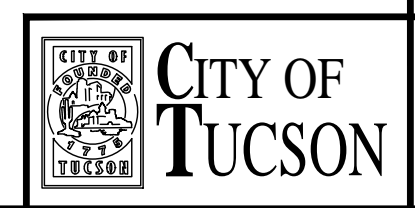
- NOTES:**
1. No plants shall be pruned except at the direction of the Owner's Representative.
 2. Depth ("D") of plant pit to be equal to depth of rootball.
 3. Test planting pit drainage and provide drainage chimneys.
 4. Finish grade of root ball shall match finish grade of surrounding soil. Do not place plating material at base of plant.

5 SHRUB PLANTING (CONTAINER GROWN) N.T.S.

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Federal Project No. TAP-TUC-0(264)D LS 05 of 10

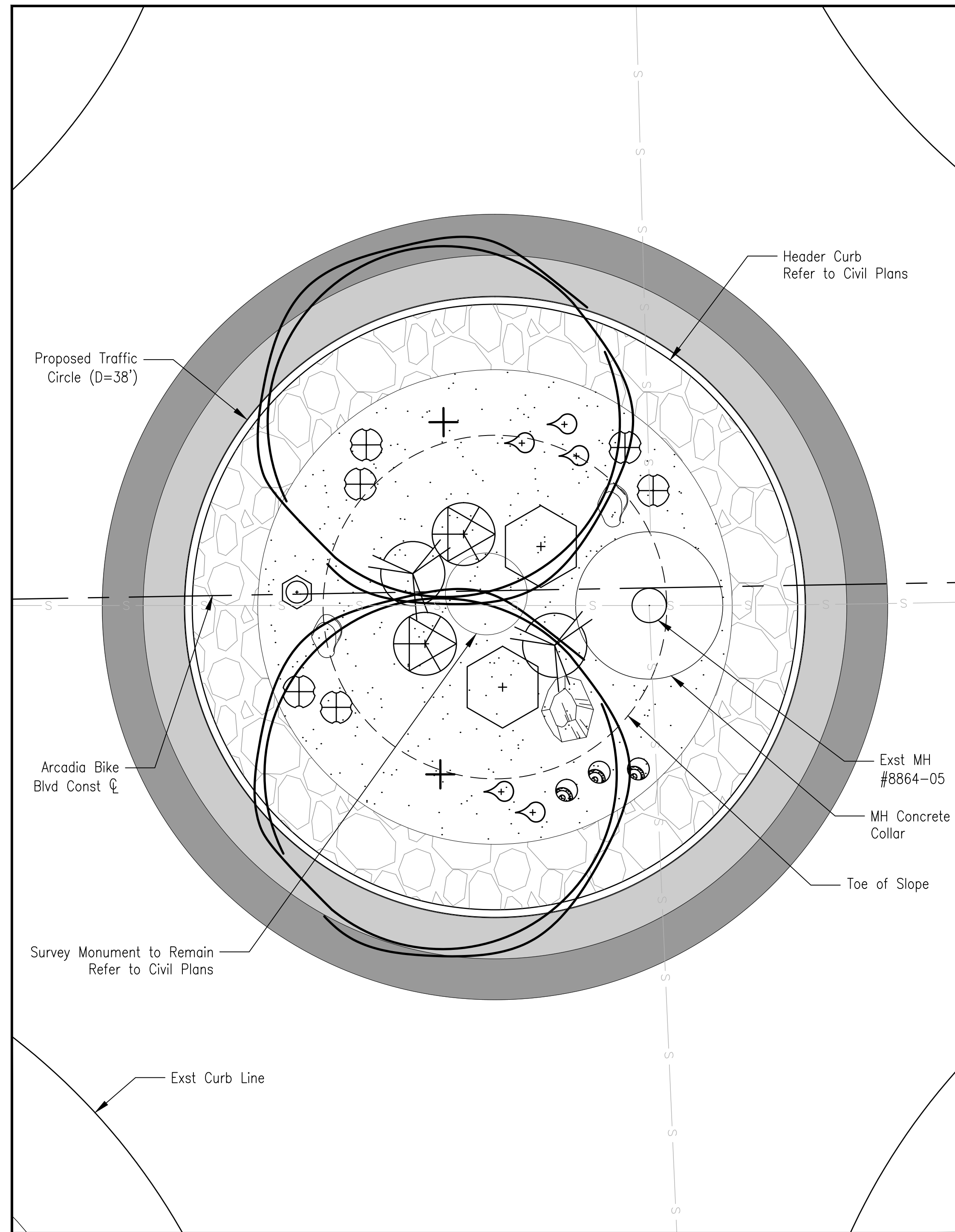
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ARCADIA AND TIMROD BICYCLE BOULEVARDS GRANT ROAD TO EASTLAND ST AND ALVERNON WAY TO CRAYCROFT RD Landscape Details			
Approvals	Signatory	Date	Approved _____ 20 19
			75 OF 80
TRANSPORTATION DIRECTOR			
REF. _____ SCALE: N/A			
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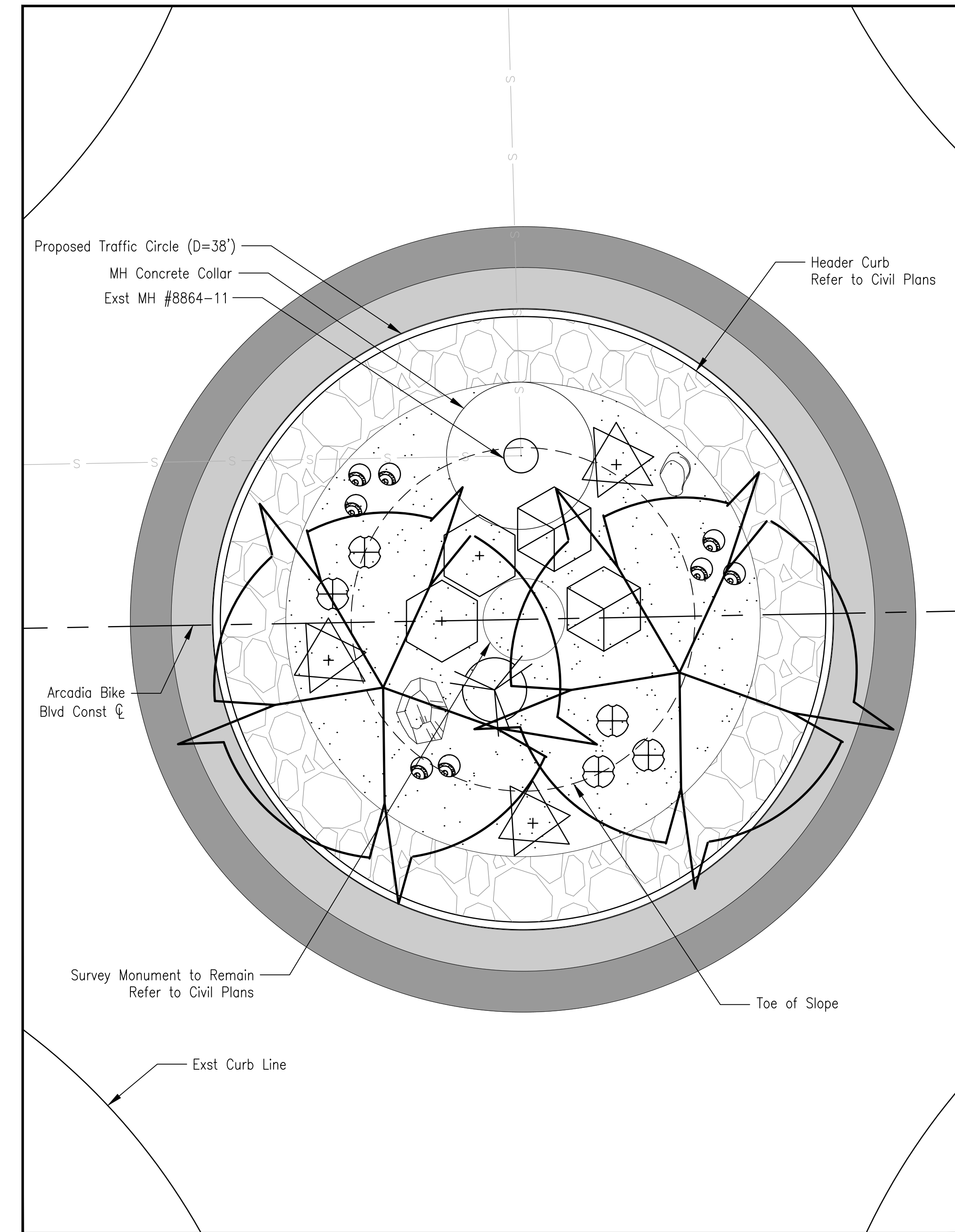
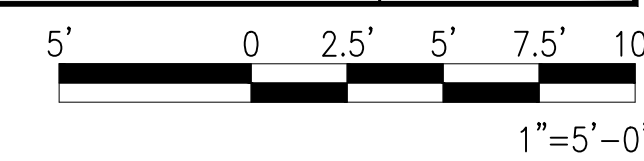


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3 Traffic Circle at Niven Avenue and 12th Street



4 Traffic Circle at Niven Avenue and Scarlett Street



HARDSCAPE SCHEDULE

SYMBOL	ITEM
	Plating Material
	Riprap— Hand Placed/Grouted
	Decorative Boulder — Large Decorative Boulder — Small
	Pavement Marking 1
	Pavement Marking 2

PLANT MATERIAL SCHEDULE

SYMBOL	BOTANICAL NAME COMMON NAME
	<i>Chilopsis linearis</i> 'Bubba' Bubba Desert Willow
	<i>Olneya tesota</i> Ironwood

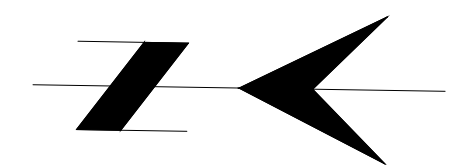
CACTI AND SUCCULENTS

SYMBOL	BOTANICAL NAME COMMON NAME
	<i>Agave murpheyi</i> Murphy's agave
	<i>Carnegiea gigantea</i> Saguaro
	<i>Dasylirion wheeleri</i> Desert Spoon

SHRUBS / GROUNDCOVERS

SYMBOL	BOTANICAL NAME COMMON NAME
	<i>Aristida purpurea</i> Purple Three Awn
	<i>Asclepias linearis</i> Pineleaf milkweed
	<i>Dalea pulchra</i> Indigo bush
	<i>Justicia californica</i> Chuparosa
	<i>Muhlenbergia rigens</i> Deer grass
	<i>Thymophylla pentachaeta</i> Golden Dogweed

Note: Plant material in schedules
1/2 size for legibility.



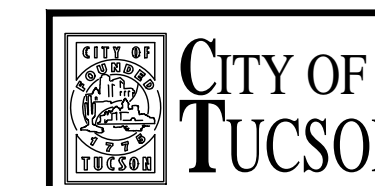
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Federal Project No. TAP-TUC-0(264)D LS 07 of 10

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

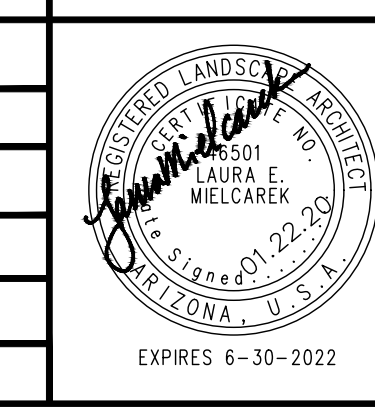
ARCADIA AND TIMROD BICYCLE BOULEVARDS
GRANT ROAD TO EASTLAND ST AND ALVERNON WAY TO CRAYCROFT RD
Traffic Circle Details

WHEAT
DESIGN GROUP
LANDSCAPE ARCHITECTS

500 N. Tucson Blvd, Suite 500
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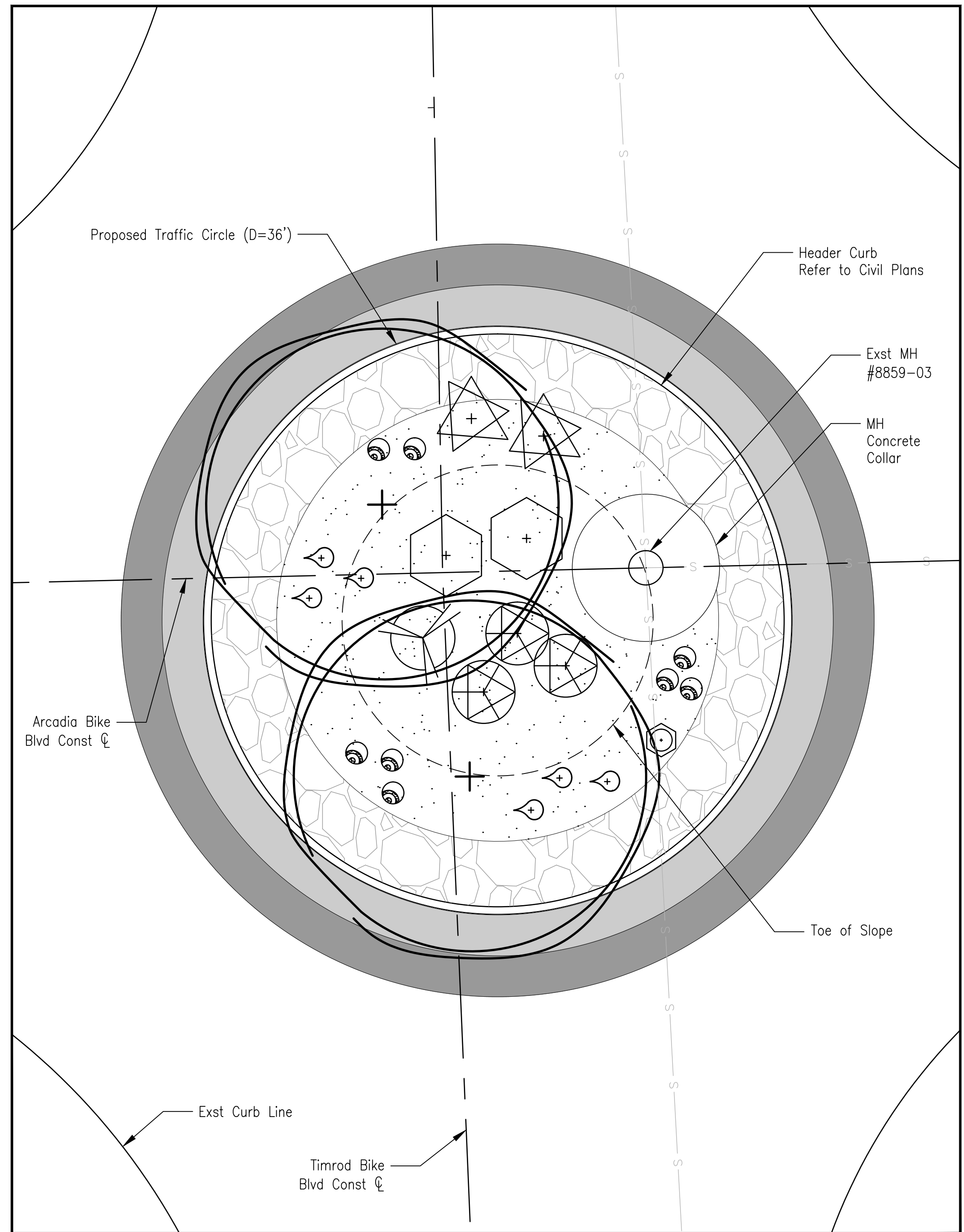
Approvals	Signatory	Date	Approved	

TRANSPORTATION DIRECTOR

REF. SCALE: 1"=5'-0"

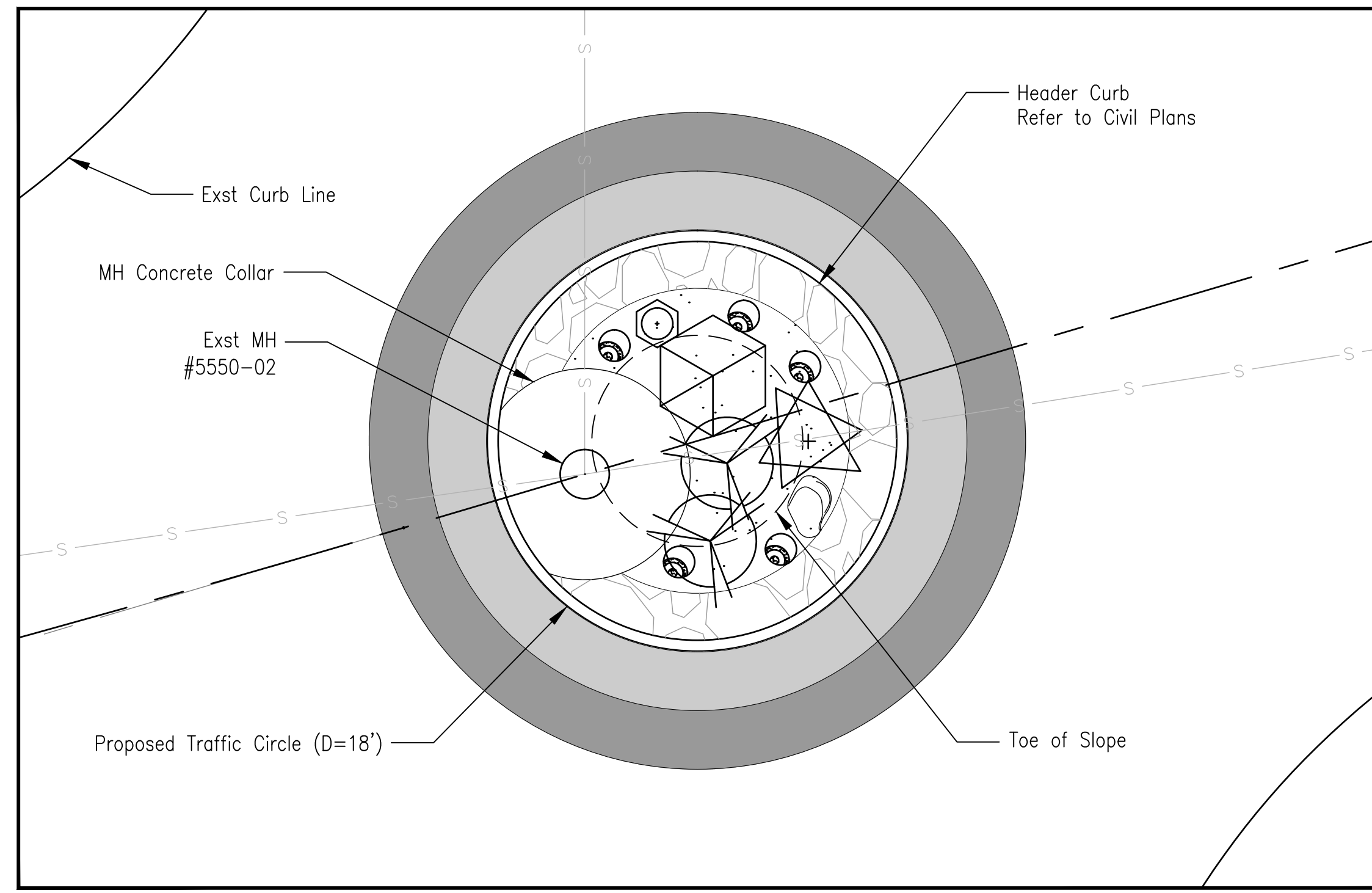
DRWN. BY AS/AR 20 20 DSGN. BY AS/AR 20 20 CHKD. BY LM 20 20 PLAN NO. U-2018-011

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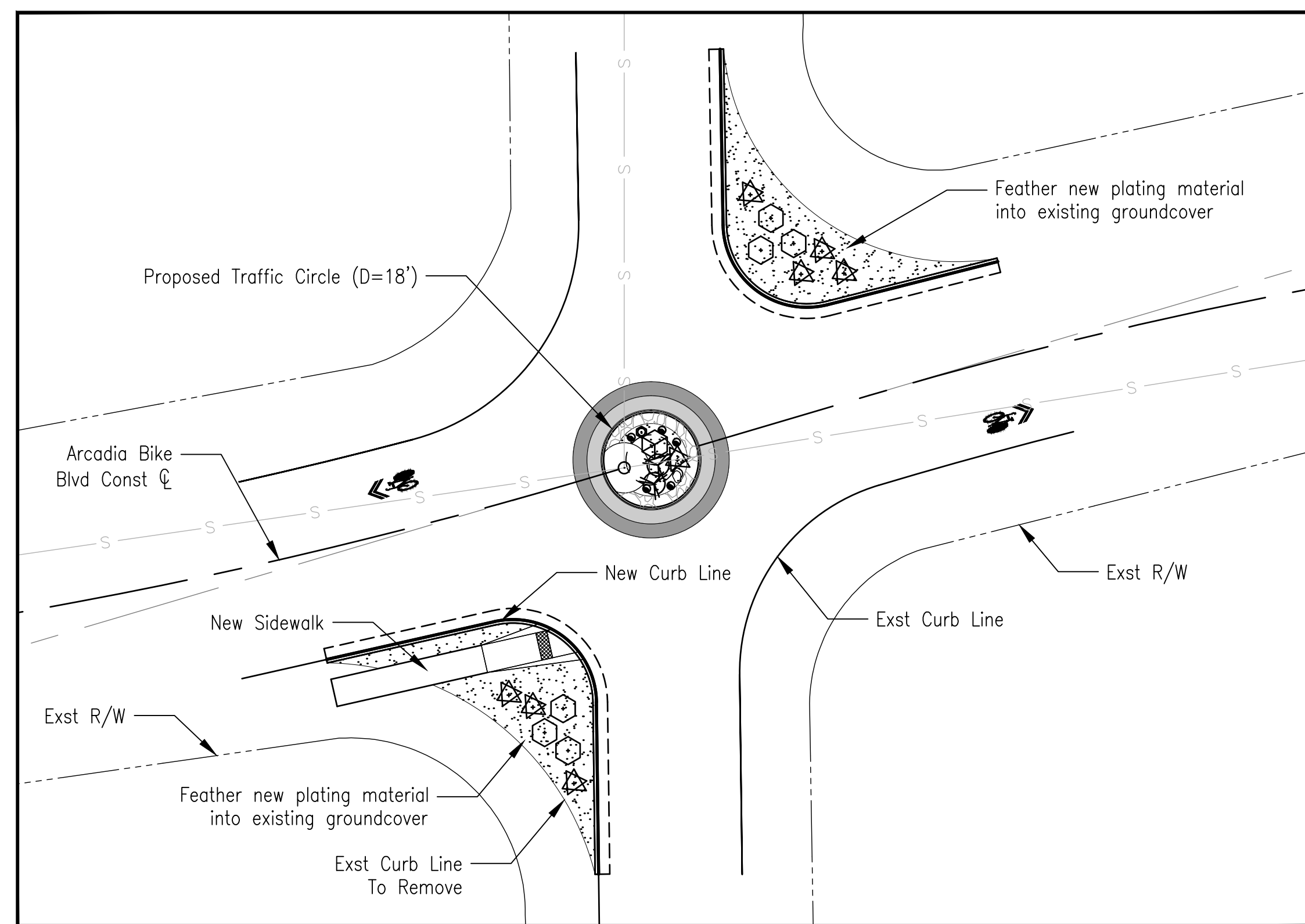


5 Traffic Circle at Niven Avenue and Winsett Street

SYMBOL	ITEM
	Plating Material
	Riprap— Hand Placed/GROUTED
	Decorative Boulder - Large
	Decorative Boulder - Small
	Pavement Marking 1
	Pavement Marking 2



6 Traffic Circle at Niven Avenue and Montecito Street



6 Traffic Circle at Niven Avenue and Montecito Street

PLANT MATERIAL SCHEDULE
TREES

SYMBOL	BOTANICAL NAME COMMON NAME
	Chilopsis linearis 'Bubba' Bubba Desert Willow
	Olneya tesota Ironwood

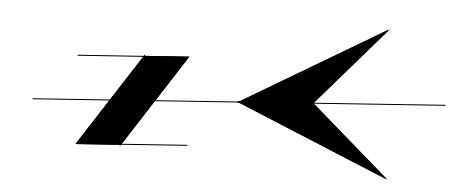
CACTI AND SUCCULENTS

SYMBOL	BOTANICAL NAME COMMON NAME
	Agave murpheyi Murphy's agave
	Carnegiea gigantea Saguaro
	Dasylirion wheeleri Desert Spoon

SHRUBS / GROUNDCOVERS

SYMBOL	BOTANICAL NAME COMMON NAME
	Aristida purpurea Purple Three Awn
	Asclepias linearis Pineleaf milkweed
	Dalea pulchra Indigo bush
	Justicia californica Chuparosa
	Muhlenbergia rigens Deer grass
	Thymophylla pentachaeta Golden Dogweed

Note: Plant material in schedules 1/2 size for legibility.



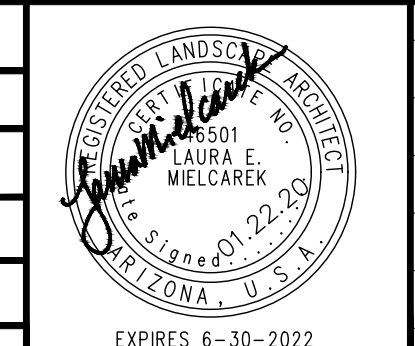
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DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION
ARCADIA AND TIMROD BICYCLE BOULEVARDS
GRANT ROAD TO EASTLAND ST AND ALVERNON WAY TO CRAYCROFT RD
Traffic Circle Details

NO.	DATE	REVISION	BY	CHKD.	APPR.



Approvals	Signatory	Date	Approved _____ 20 19	78 OF 80	
			TRANSPORTATION DIRECTOR		
REF.	SCALE: Varies				
DRWN. BY AS/AR	20 20	DSGN. BY AS/AR	20 20	CHKD. BY LM	20 20
PLAN NO. U-2018-011					

EXPIRES 6-30-2022

