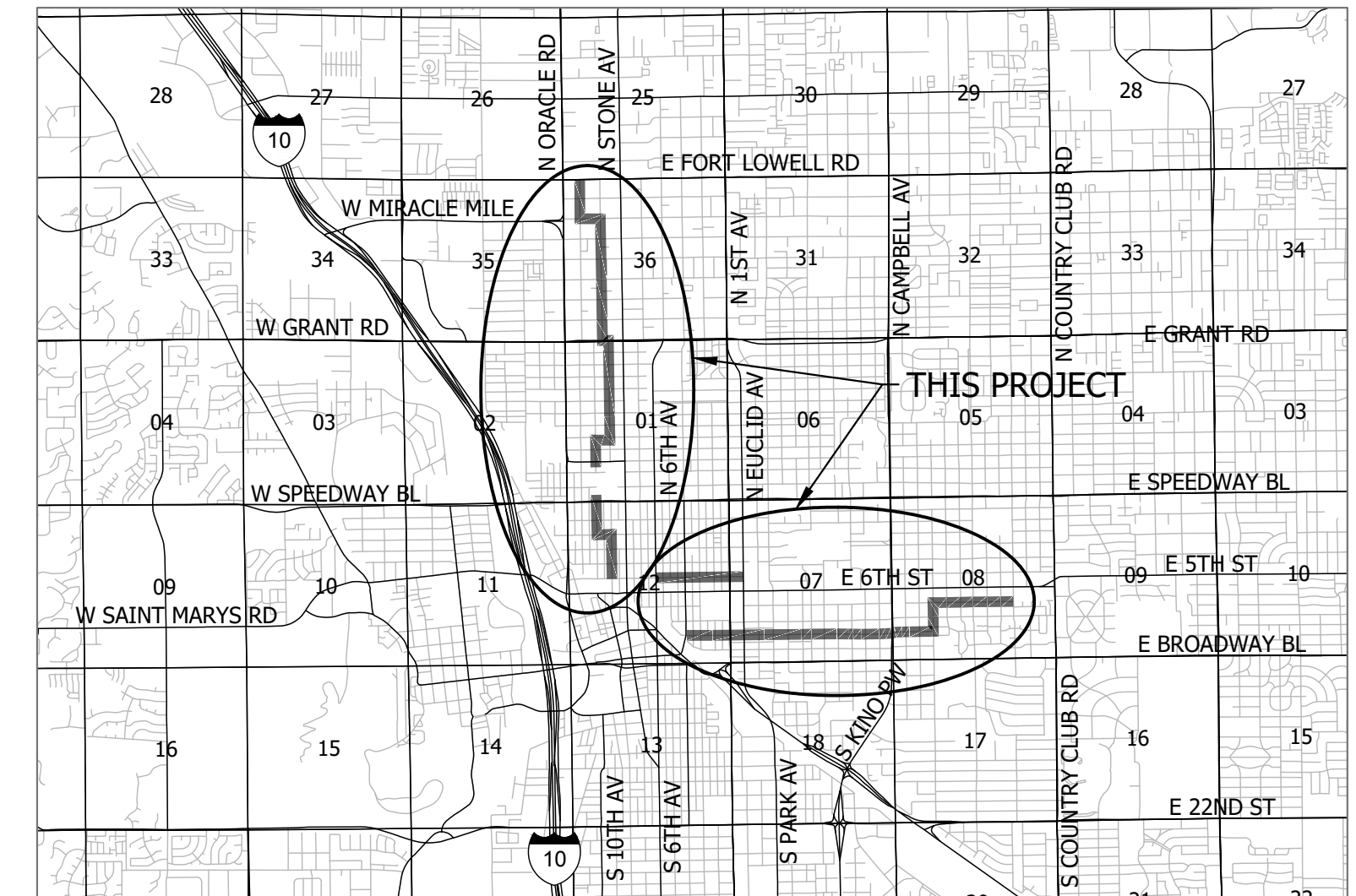
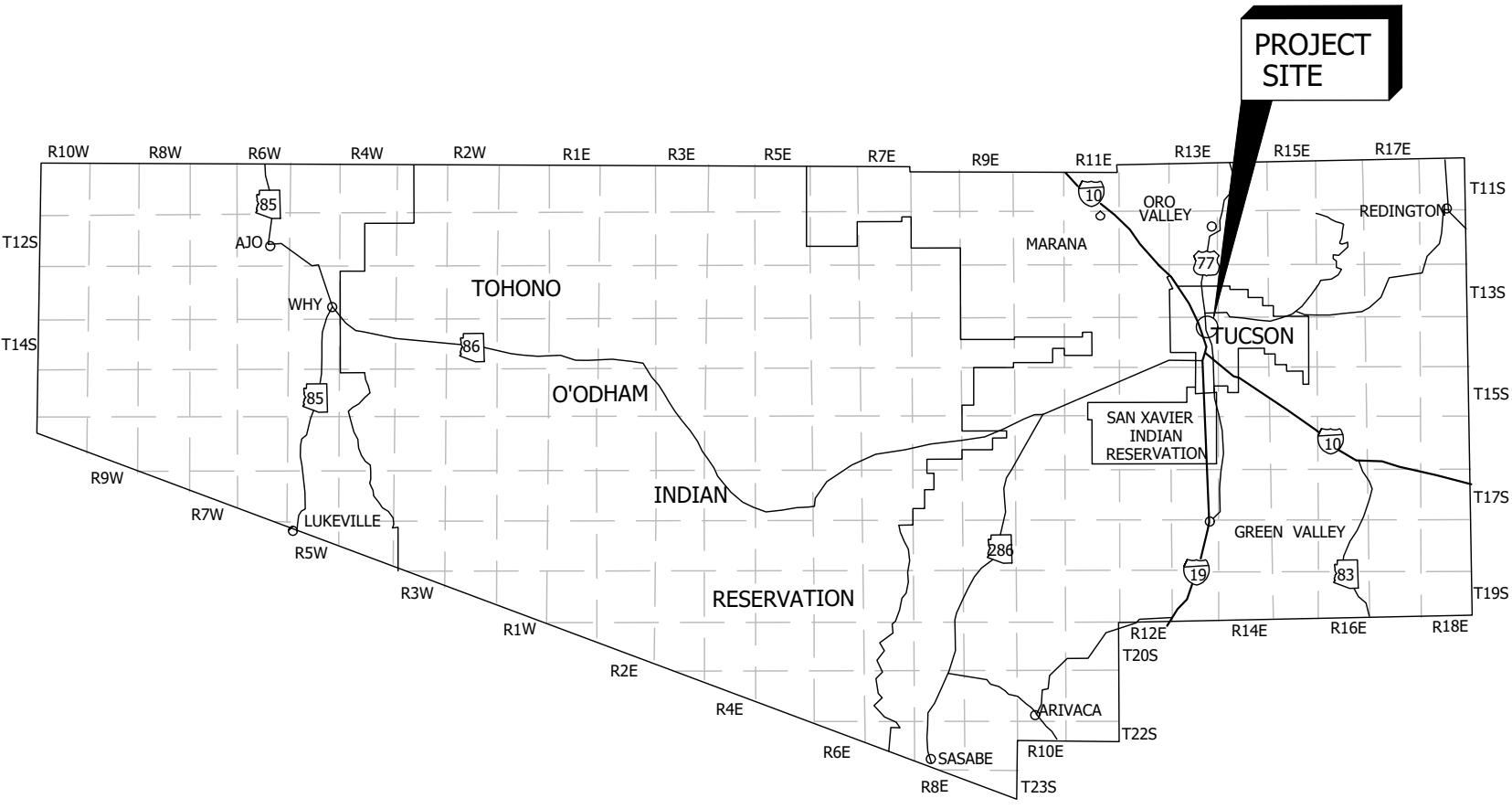


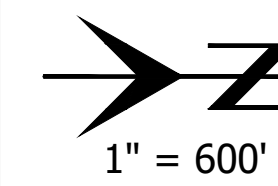
CITY OF TUCSON, ARIZONA 9TH AVE, 5TH ST, AND 9TH ST BICYCLE BOULEVARDS

SAINT MARYS RD TO FORT LOWELL RD,
6TH AVE TO EUCLID AVE, AND
4TH AVE TO TREAT AVE
ROADWAY IMPROVEMENTS
C.O.T. JOB NO. U-2022-006



LOCATION MAP

SCALE: 1" = 1 MILE
Section 36, T13S, R13E
Sections 1 & 12, T14S, R13E
Sections 7 & 8, T14S, R14E
G & SR B&M



Area reserved for
"Record Document"
block.

Constructed by:

Construction Company

Completion Date

Red-Lines by:

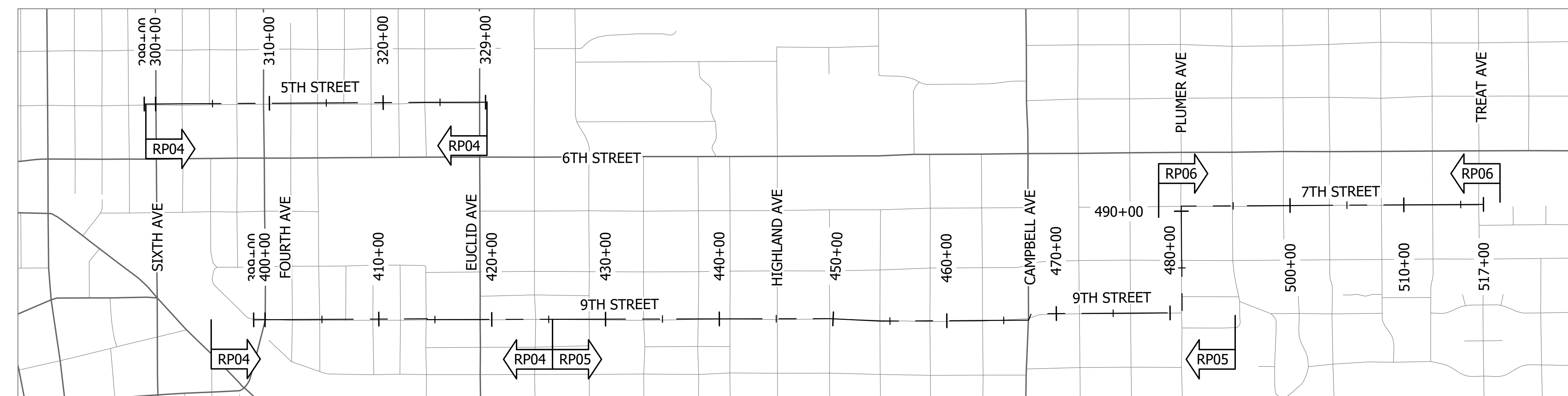
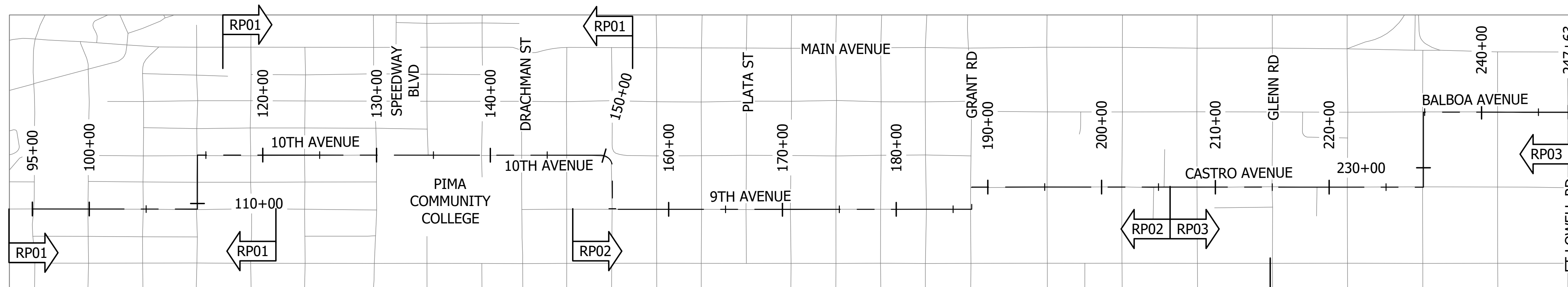
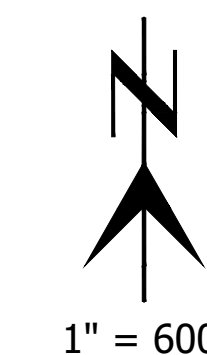
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Completion Date

Record Document by:

As-Built Designer Name & Company

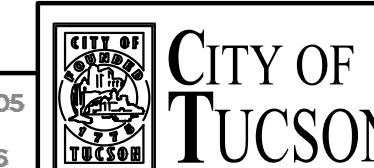
Completion Date



INDEX OF SHEETS

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11 - 16	HZ01 - HZ06	Horizontal Control Sheets
17 - 22	RP01 - RP06	Bike Blvd Roadway Plan Sheets
23 - 28	WF01 - WF06	Bike Blvd Wayfinding Sign Sheets
29 - 34	SS01 - SS06	Bike Blvd Signing and Marking Sheets
35 - 45	SG01 - SG11	Intersection Signing and Marking Sheets
46 - 55	SS01 - SS10	Sign Summary Sheets
56 - 59	TS01 - TS04	Traffic Signal Plan Sheets
60 - 74	LP01 - LP14	Landscaping Plans

PCRWRD UPC-2022-017



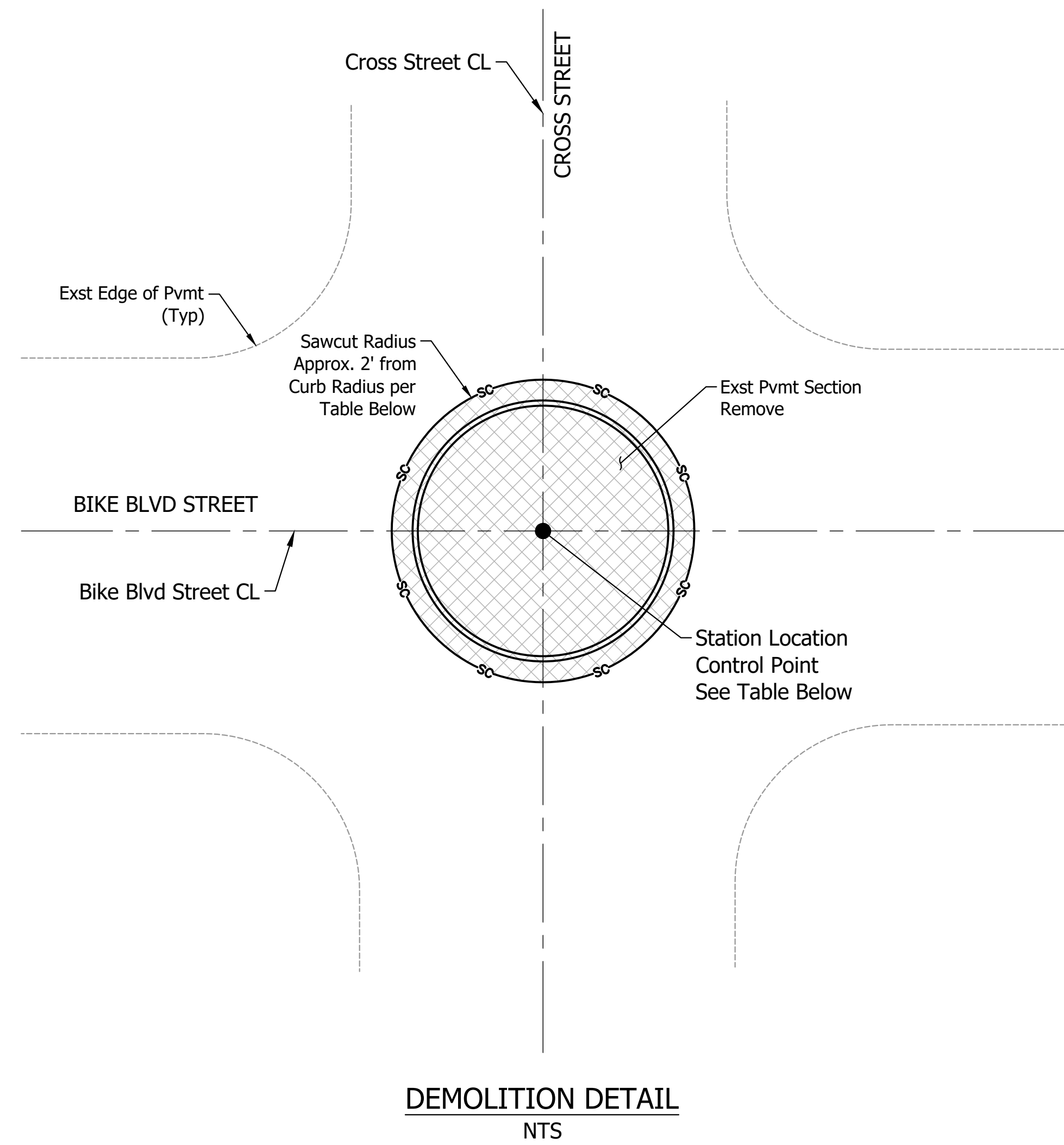
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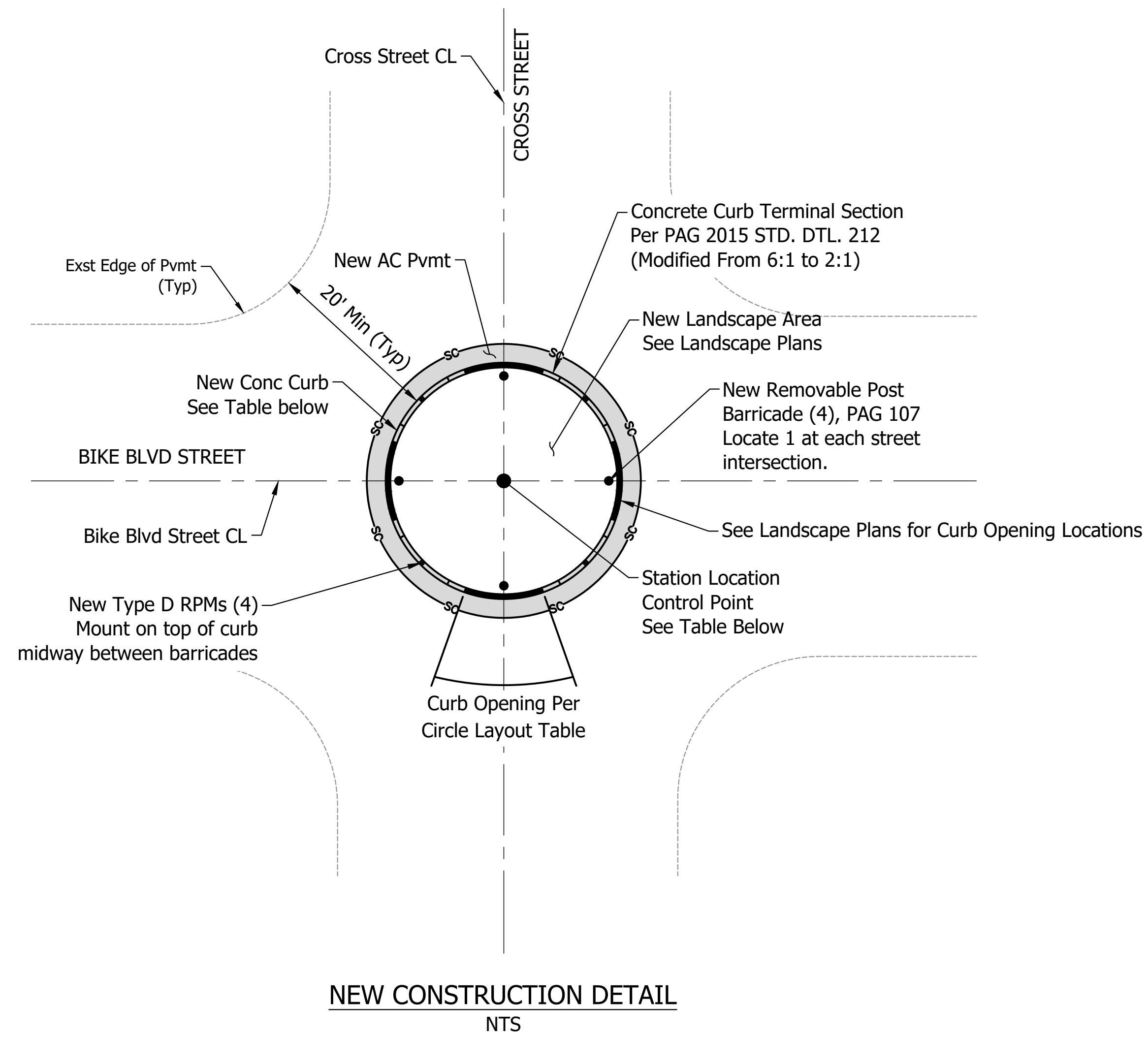
9TH AVE, 5TH ST, AND 9TH ST BICYCLE BOULEVARDS
SAINT MARYS RD TO FORT LOWELL RD, 6TH AVE TO EUCLID AVE, AND 4TH AVE TO TREAT AVE
COVER SHEET

APPROVALS	SIGNATORY	DATE	APPROVED	1 OF 74
			____ 20__	
TRANSPORTATION DIRECTOR				
REF. _____ SCALE: _____				
DRWN. BY: <u>BDH</u> 20 <u>23</u> DSGN. BY: <u>BDH</u> 20 <u>23</u> CHKD. BY: <u>FLG</u> 20 <u>23</u> PLAN NO. <u>U-2022-006</u>				

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DEMOLITION DETAIL
NTS



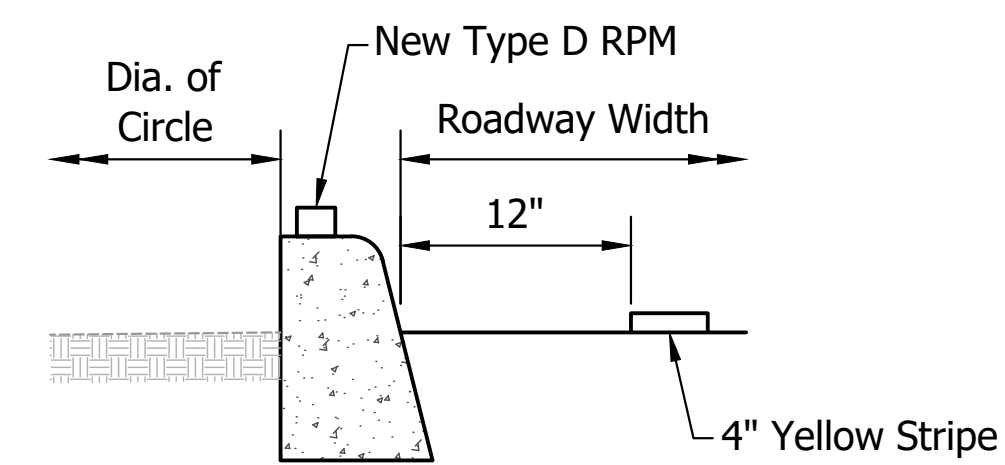
NEW CONSTRUCTION DETAIL
NTS

Notes

- For traffic circle construction method and additional information, see COT Standard Detail No. 110 M-2021-001.
- If present within a traffic circle, manholes shall be reset at the same grade as that of pre-construction, existing pavement grade. A round concrete collar shall be installed per PCRWRD Detail 212. Grading within the traffic circle shall match the concrete collar installation. Resetting of manholes and construction of concrete collars will be paid for under Item 5090110, Sewer Manhole Adjustment.
- Existing water valve boxes, if present, shall be adjusted to final grade per Tucson Water SD-300. Valve box adjustments will be paid under Item 5105101, Potable Water, Adjust Valve Box and Cover.
- The contractor shall protect in place the existing survey monument(s) if present. If monument present, grade 5:1 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. Survey monuments to be reset with frame and cover per PAG 2015 Std. Dtl. 103, sheet 2 of 3 if destroyed or disturbed. Any work necessary to protect in place or adjust the survey monuments will be paid for under Item 9090002, Survey Monument.
- Removal of existing pavement will be paid for under Item 2020029 Removal of Bituminous Pavement. Sawcutting will be considered incidental to the removal cost.
- New vertical curb will be paid for under Item 9080005, Concrete Vertical Curb Type 2 Curb.
- New AC Pvmnt will be paid for under Item 406008, Asphaltic Concrete (Miscellaneous Paving).
- See sheet SG04 for traffic circle signing information
- New removable post barricades will be paid for under Item 9540011, Removable Post Barricade (Std Dtl 107).
- New header curb will be paid for under Item 9080105, Concrete Header Curb.
- Station and offset values are approximate and based on centerline survey. The contractor shall adjust layouts to conform with field conditions and the details provided in this plan set. The contractor shall get city approval for all work prior to installation.

TRAFFIC CIRCLES												
TC #	Bike Blvd Street	Cross Street	Station	Offset (FT)	Northing	Easting	Diameter ^A (FT)	Curb Type ^B	Curb ^C Length (LF)	MH ID # ^D	Survey Monument ^E	Curb ^F Opening (LF)
01	10th Ave	Adams St	146+72	1' Rt	452514.9	991172.0	20	Type 2	66	8154-14	1	32
02	9th Ave	Lester St	162+87	0' Rt	453705.7	991628.1	20	Type 2	66	N/A	1	32
03	9th Ave	Ventura St	170+76	0' Rt	454494.3	991615.2	20	Type 2	50	9471-04	0	32
04	Castro Ave	Alturas St	195+22	0' Rt	456742.0	991383.9	20	Type 2	50	9167-01	1	32
05	Castro Ave	Laguna St	221+63	0' Rt	459381.9	991342.1	20	Type 2	50	9444-18	1	32
06	9th St	First Ave	414+17	11' Rt	446473.4	995533.5	20	Type 2	66	8808-112	2	32
07 ^G	9th St	Park Ave	428+56	4' Rt	446489.9	996965.3	21	Type 2	60	9907-15	1	32
08	9th St	Norris Ave	472+05	4' Rt	446581.6	1001275.5	18	Type 2	44	9907-168	1	32

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



VERTICAL CURB DETAIL
NTS

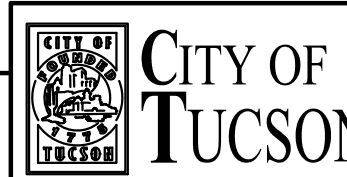
DETAIL A

Traffic Circle
Sheet 1 of 2

DT01 OF DT09

- The diameter of the circle is measured from back of curb to back of curb and should be adjusted to maintain a 22' minimum spacing to curb return.
- Refer to PAG Std Dtl 209.
- Curb length includes terminal curb section.
- Manhole present within traffic circle. All manholes within traffic circles to be grade adjusted per Std Dtl RWRD 304 or 305. New concrete collar shall be per Std Dtl RWRD 212.
- Existing survey monument if present within traffic circle. See Note 4.
- Curb opening length is total length of header curb.
- See Detail A1 on Sheet DT02 for additional layout details.

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DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION
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SAINT MARYS RD TO FORT LOWELL RD, 6TH AVE TO EUCLID AVE, AND 4TH AVE TO TREAT AVE
CIVIL DETAIL SHEETS

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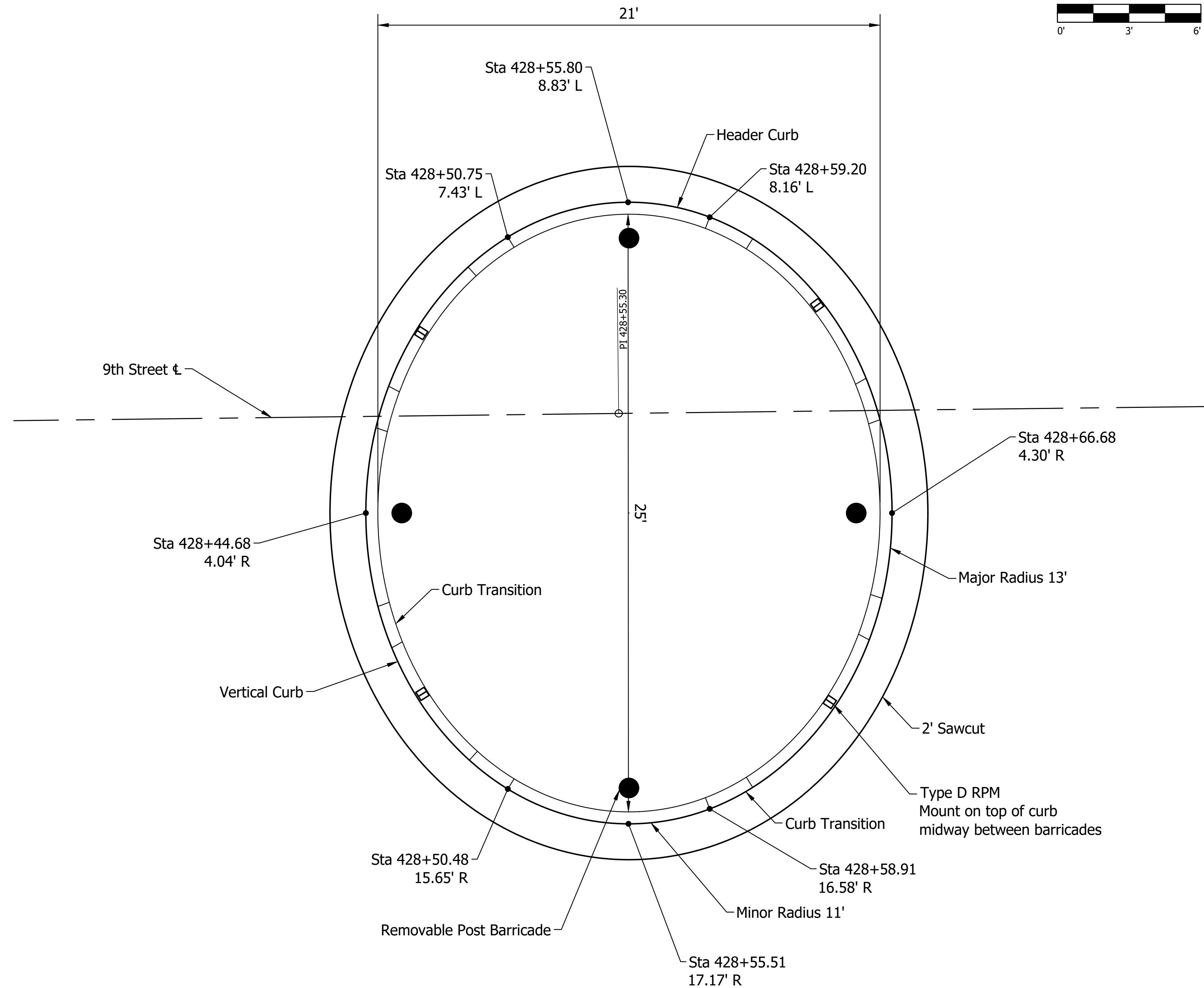
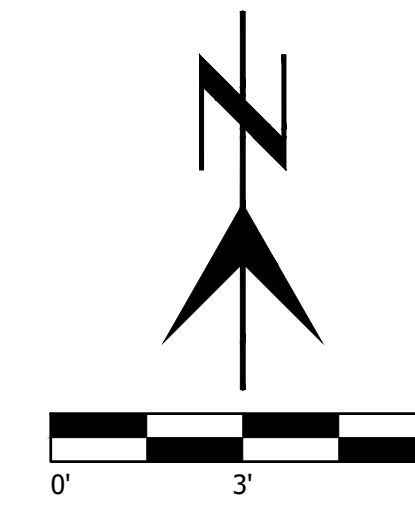
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TRAFFIC CIRCLE 07 DETAIL



Notes

1. If present within a traffic circle, manholes shall be reset at the same grade as that of pre-construction, existing pavement grade. A round concrete collar shall be installed per PCRWRD Detail 212. Grading within the traffic circle shall match the concrete collar installation. Resetting of manholes and construction of concrete collars will be paid for under Item 5090110, Sewer Manhole Adjustment.
2. Existing water valve boxes, if present, shall be adjusted to final grade per Tucson Water SD-300. Valve box adjustments will be paid under Item 5105101, Potable Water, Adjust Valve Box and Cover.
3. The contractor shall protect in place the existing survey monument(s) if present. If monument present, grade 5:1 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. Survey monuments to be reset with frame and cover per PAG 2015 Std. Dtl. 103, sheet 2 of 3 if destroyed or disturbed. Any work necessary to protect in place or adjust the survey monuments will be paid for under Item 9090002, Survey Monument.
4. Removal of existing pavement will be paid for under Item 2020029 Removal of Bituminous Pavement. Sawcutting will be considered incidental to the removal cost.
5. New vertical curb will be paid for under Item 9080005, Concrete Vertical Curb Type 2 Curb.
6. New AC Pvmnt will be paid for under Item 406008, Asphaltic Concrete (Miscellaneous Paving).
7. See sheet SG04 for traffic circle signing information
8. New removable post barricades will be paid for under Item 9540011, Removable Post Barricade (Std Dtl 107).
9. New header curb will be paid for under Item 9080105, Concrete Header Curb.
10. Station and offset values are approximate and based on centerline survey. The contractor shall adjust layouts to conform with field conditions and the details provided in this plan set. The contractor shall get city approval for all work prior to installation.
11. The contractor shall maintain a 20' minimum distance from traffic circle front of curb to existing edge of pavement (See New Construction Detail on Sheet DT01).
12. The contractor shall maintain a 10' minimum distance from traffic circle front of curb to any existing marked crosswalk.

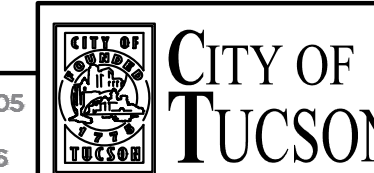
DETAIL A1

Traffic Circle
9th Street & Park Ave
Sheet 2 of 2

DT02 OF DT09

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CIVIL DETAIL SHEETS

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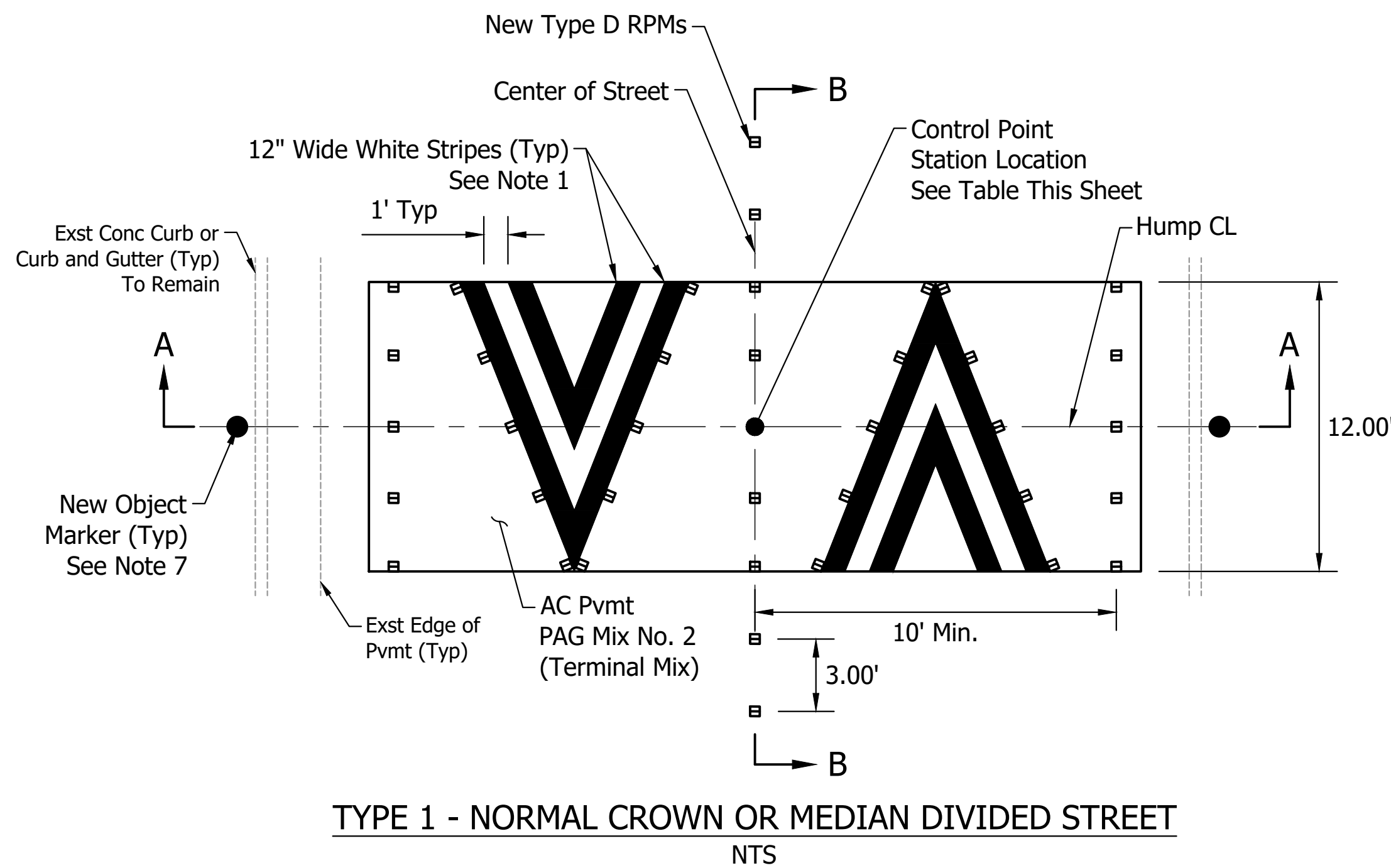
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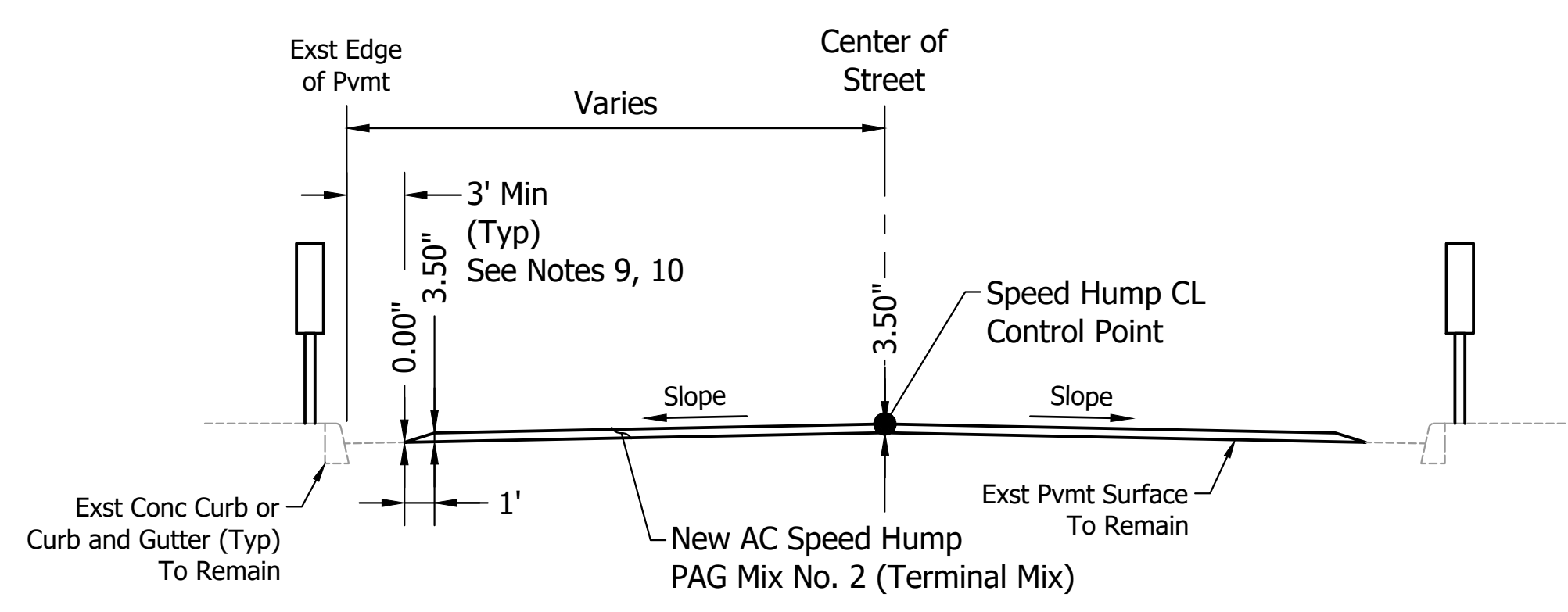
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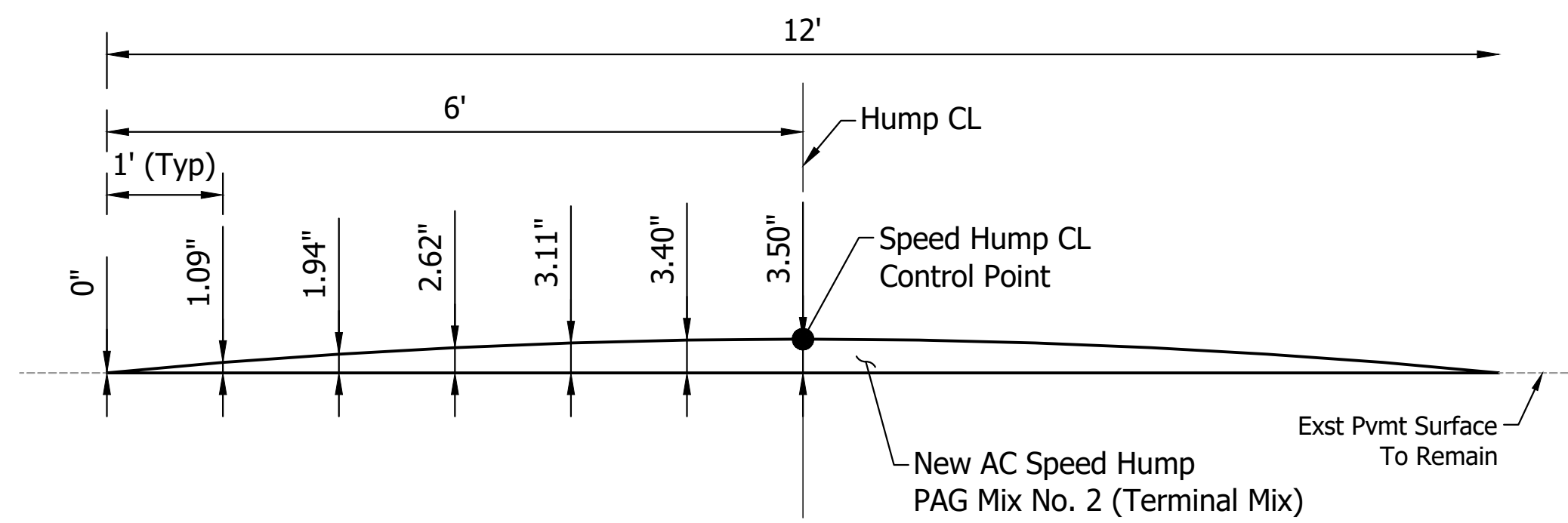
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TYPE 1 - NORMAL CROWN OR MEDIAN DIVIDED STREET
NTS



SECTION A-A
NTS



SECTION B-B
NTS

SPEED HUMPS						
SH ##	Bike Blvd Street	Near Cross Street	Station	Offset (FT)	Northing	Easting
01	9th Ave	4th Street	106+72	0' Rt	448998.0	991701.7
02	University Blvd	10th Ave	112+27	5' Lt	449267.9	991420.7
03	10th Ave	University Blvd	116+41	2' Rt	449484.9	991220.2
04	9th Ave	Sahuaro St	181+08	0' Rt	455526.1	991598.3
05	Castro Ave	Kelso St	205+07	1' Rt	457726.4	991368.7
06	Castro Ave	Glenn St	218+22	0' Rt	459041.7	991347.4
07	Castro Ave	Laguna St	224+15	0' Rt	459633.9	991338.2
08	5th Street	6th Ave	303+38	3' Rt	448351.0	993475.6
09	9th Street	2nd Ave	410+97	12' Rt	446467.5	995214.2
10	9th Street	1st Ave	415+66	0' Rt	446479.0	995676.0
11	9th Street	Tyndall Ave	422+82	4' Rt	446483.1	996391.9
12	9th Street	Campbell Ave	469+45	4' Rt	446577.2	1001015.9

Notes

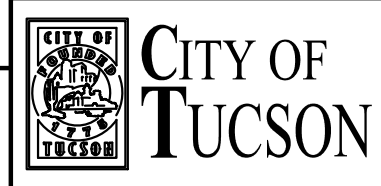
- For additional information, see detail per PC/COT Pavement Marking Design Manual Sheet No. 10.3. RPMs and types shall be located and placed per Sheet No. 10.3.
- The types of speed humps shown in the table below and on the plan sheets may be modified per the direction of the Engineer depending on existing conditions. There will be no pay adjustment for the modification of type installed.
- PAG 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.
- 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) per Std Dtl 5-18-1 shall be considered incidental and included in the cost of the item.
- New Object Markers will be paid for under Item 7030010, Object Marker (OM2-2V) (All Direction).
- Speed hump locations should be verified in the field to avoid conflicts with utilities and other roadway features.
- Where angled parking exists next to a proposed Speed Hump, maintain a minimum 2' gap between the edge of speed hump and the back of the parking stripes.
- Speed Hump 13 shall have a minimum 5' gap between the edge of speed hump and the face of curb.
- Station and offset values are approximate and based on centerline survey. The contractor shall adjust layouts to conform with field conditions and the details provided in this plan set. The contractor shall get city approval for all work prior to installation.

DETAIL B

Speed Hump
Sheet 1 of 1

DT03 OF DT09

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DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

9TH AVE, 5TH ST, AND 9TH ST BICYCLE BOULEVARDS
SAINT MARYS RD TO FORT LOWELL RD, 6TH AVE TO EUCLID AVE, AND 4TH AVE TO TREAT AVE

CIVIL DETAIL SHEETS

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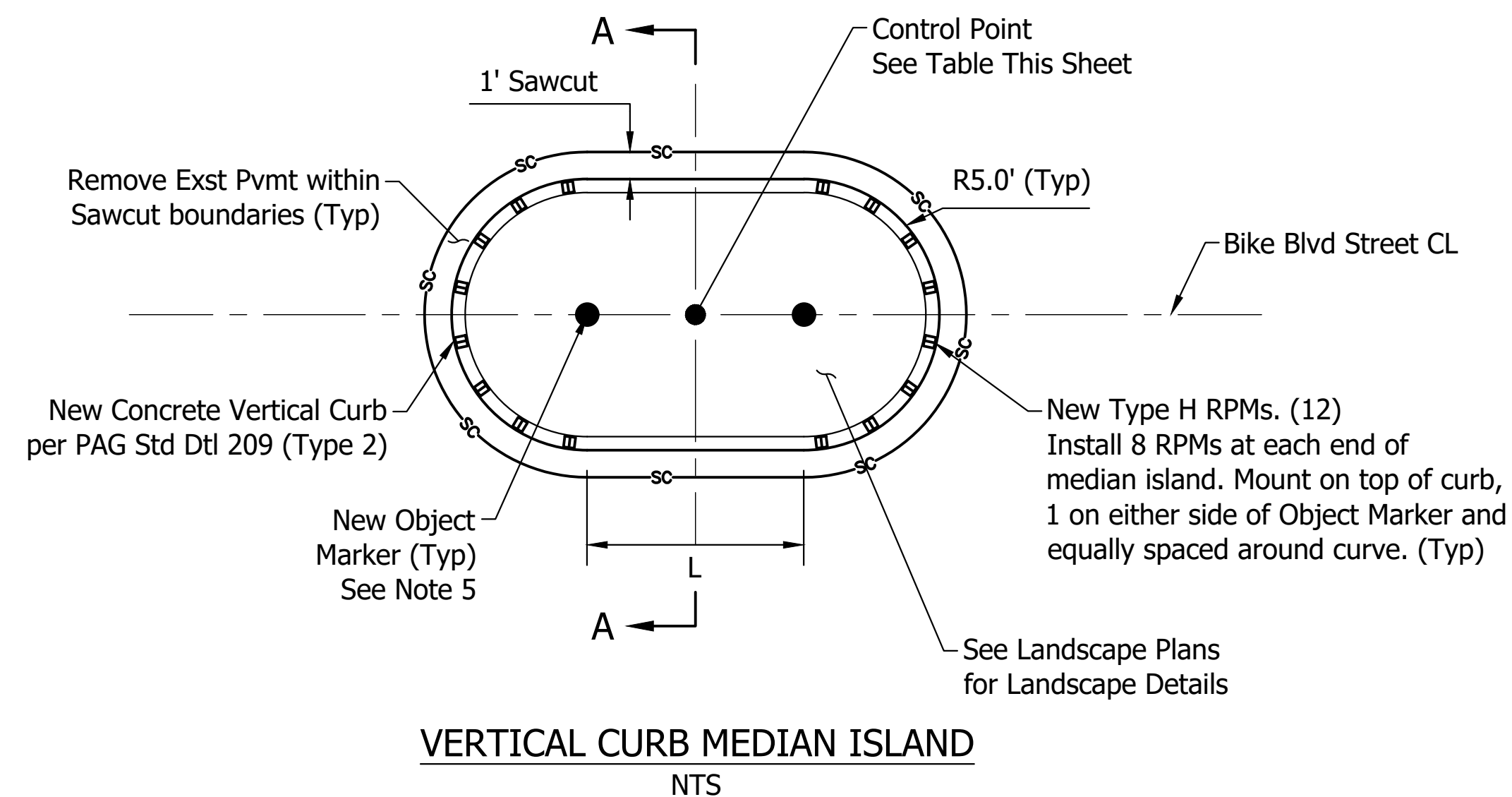
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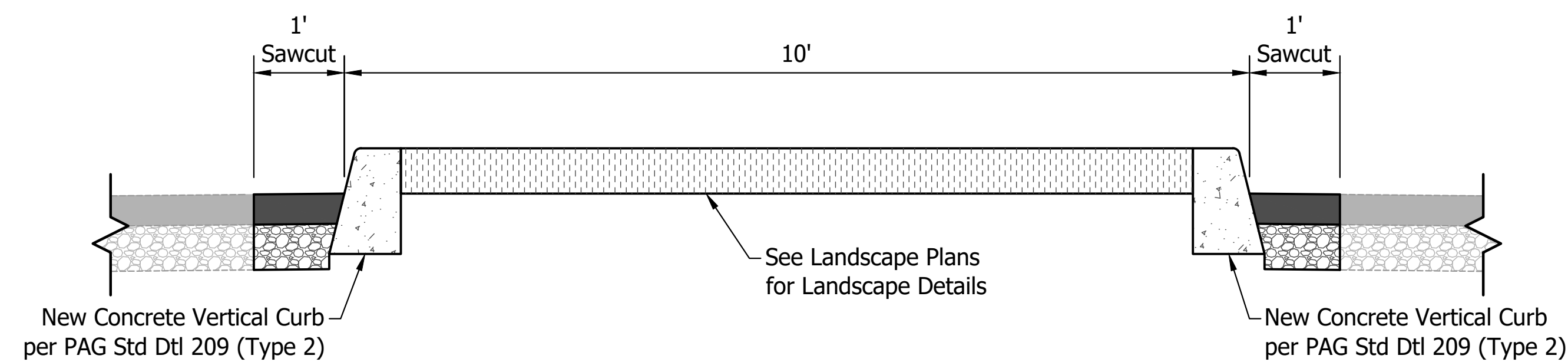
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VERTICAL CURB MEDIAN ISLAND
NTS



SECTION A-A
NTS

CENTER ISLANDS										
CI #	Bike Blvd Street	Near Cross Street	Station	Offset (FT)	Northing	Easting	Type	L (FT)	Curb Length (LF)	Header Length (LF)
1	9th Ave	Lee St	149+62	476' Rt	452812.5	991643.0	-	8	48	N/A
2	5th St	Fourth Ave	307+72	4' Rt	448356.1	993908.7	-	8	48	N/A

Notes

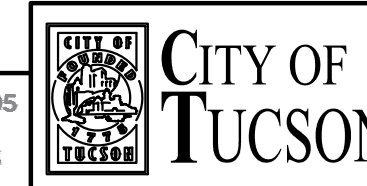
- Existing water valve boxes, if present, shall be adjusted to final grade per Tucson Water SD-300. Valve box adjustments will be paid under Item 5105101, Potable Water, Adjust Valve Box and Cover.
- The contractor shall protect in place the existing survey monument(s) if present. If monument present, grade 5:1 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 9090002, Survey Monument.
- Removal of existing pavement will be included in the cost of Item 2020029 Removal of Bituminous Pavement. Sawcutting will be considered incidental to the removal cost.
- New AC Pvmt will be paid for under Item 406008, Asphaltic Concrete (Miscellaneous Paving).
- New object Markers will be paid for under item 7030010, Object Marker (OM2-2V) (All Direction).
- Center Island locations should be verified in the field to avoid conflicts with utilities and other roadway features.
- Station and offset values are approximate and based on centerline survey. The contractor shall adjust layouts to conform with field conditions and the details provided in this plan set. The contractor shall get city approval for all work prior to installation.

DETAIL D

Center Island
Sheet 1 of 1

DT05 of DT09

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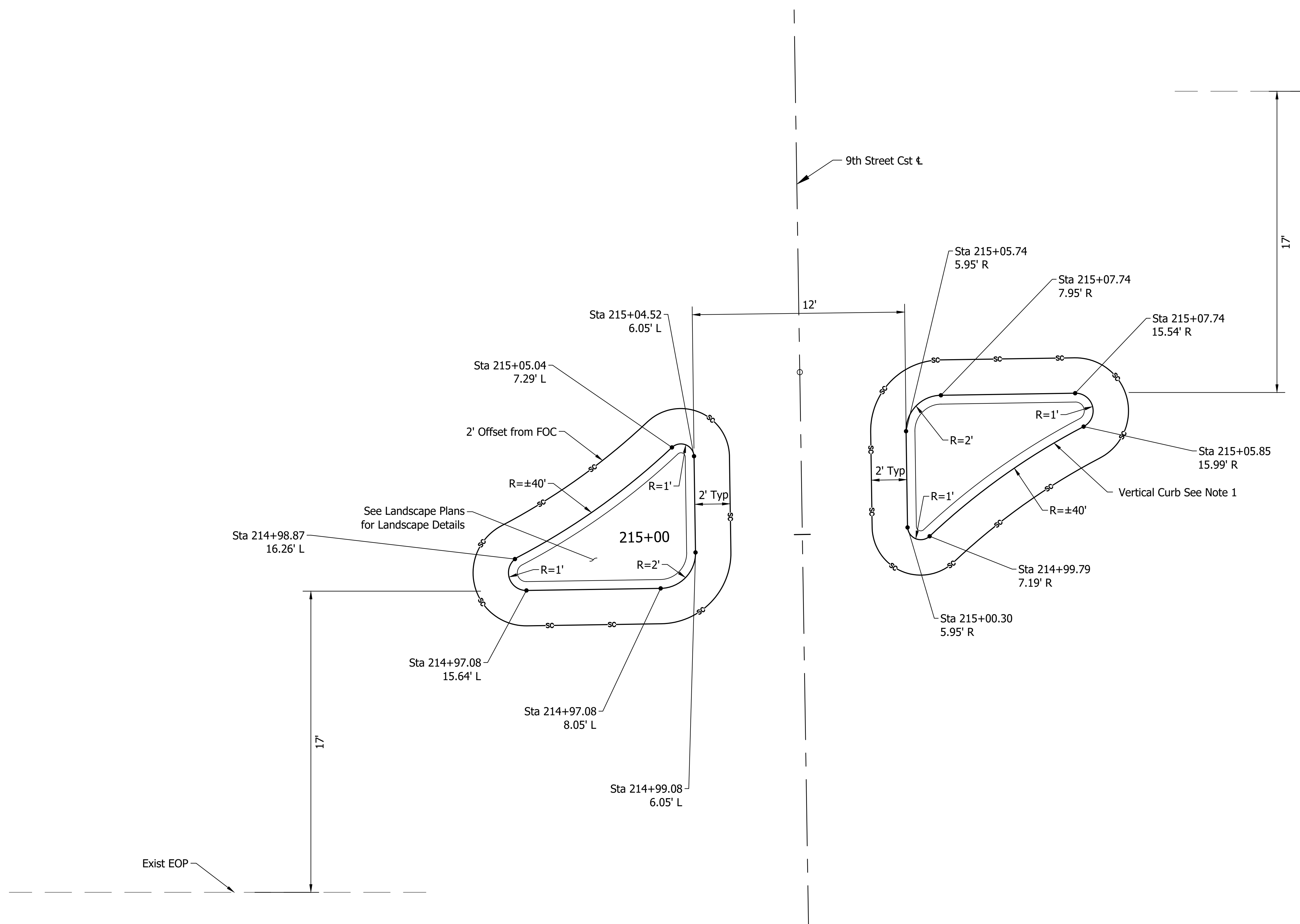
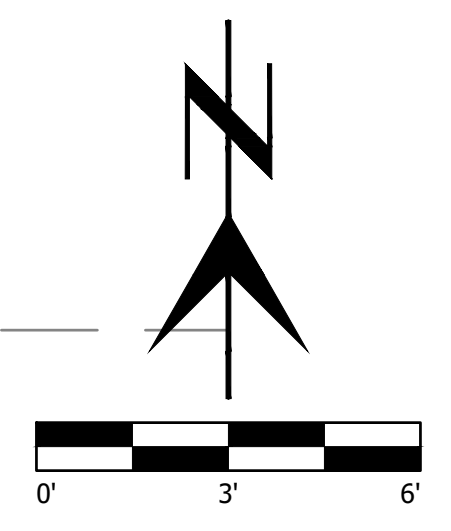
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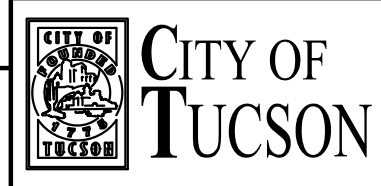
NOTES

1. See PAG Std Dtl 209 Type 2. Vertical curb shall be paid for under item 9080007.
2. Station and offset values are approximate and based on centerline survey. The contractor shall adjust layouts to conform with field conditions and the details provided in this plan set. The contractor shall get city approval for all work prior to installation.

DETAIL E

Splitter Island
 9th Avenue & Glenn St
 Sheet 1 of 1

DT06 OF DT09



DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION
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CIVIL DETAIL SHEETS

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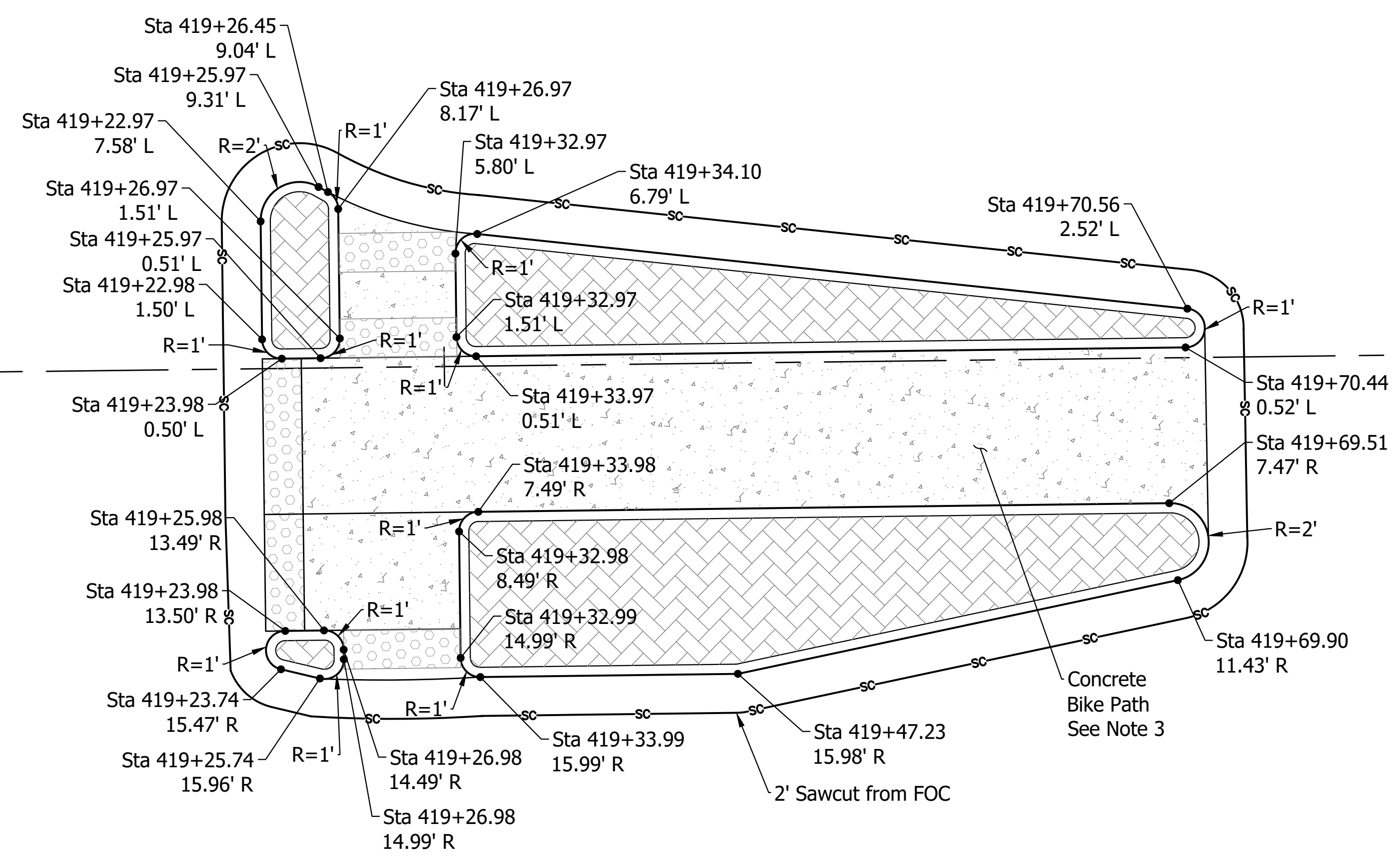
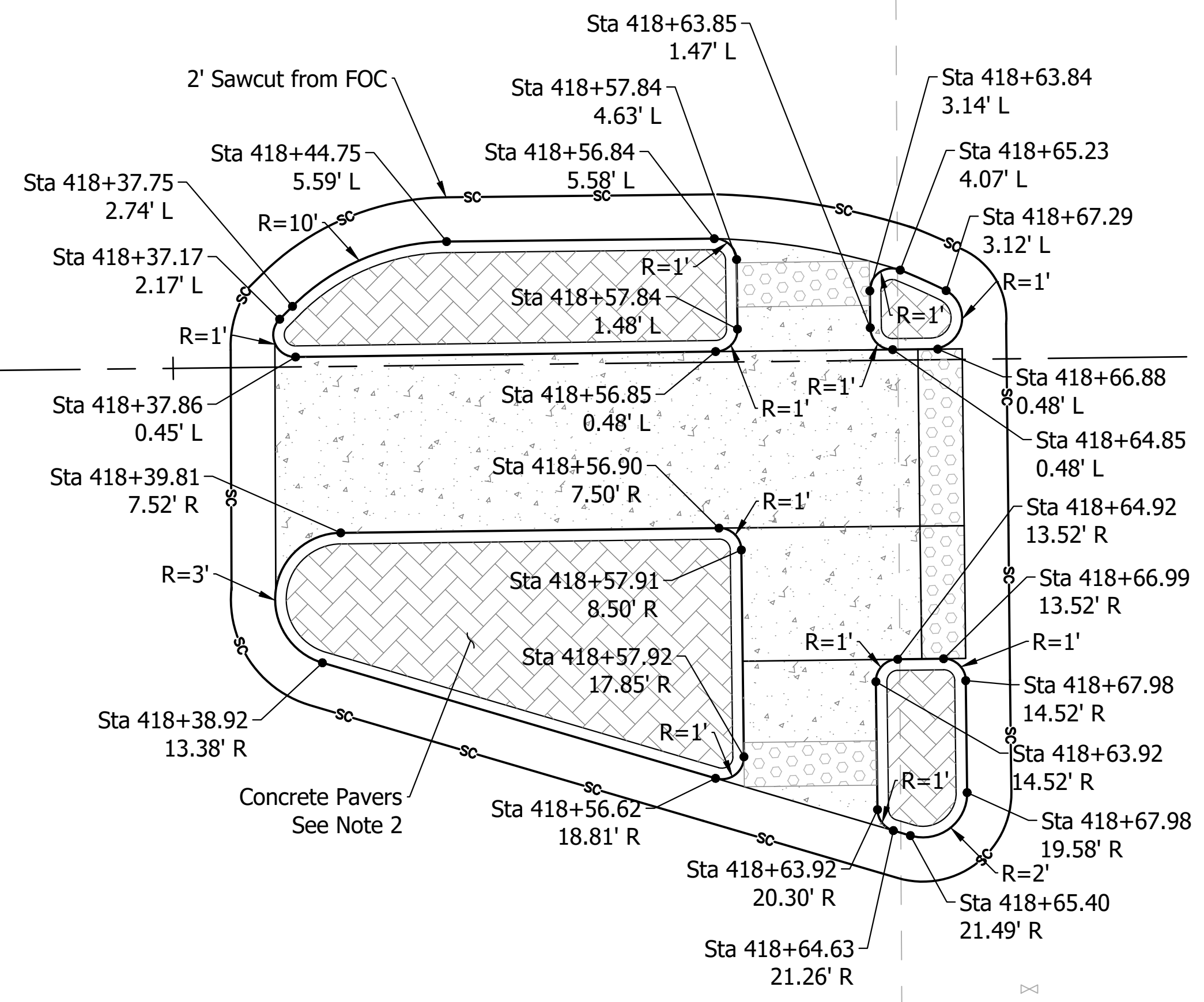
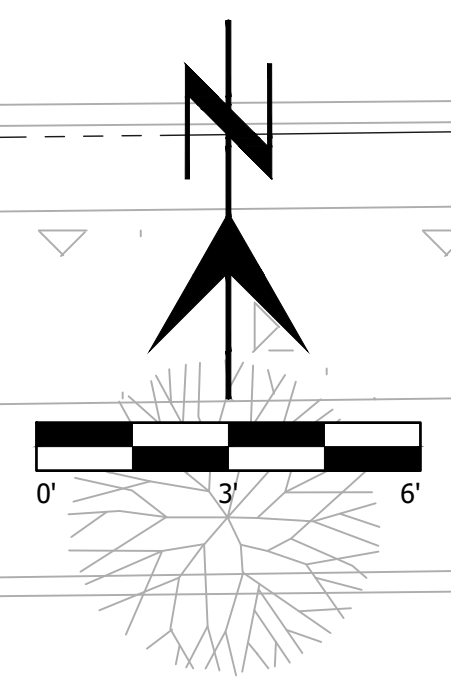
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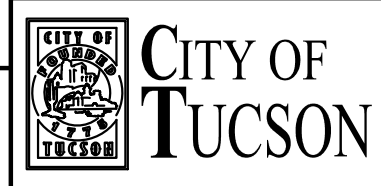
1. See PAG Std Dtl 207, Sheet 10 of 10, for information regarding detectable warning strips.
2. Place concrete pavers in herring bone pattern. All traffic signal equipment shall be installed prior to placement of pavers. Pavers will be paid for under item 9320050.
3. Concrete bike path slab shall be 6" Class B concrete. Concrete bike path slab will be paid for under item 9080150.

DETAIL F

TOUCAN
 9TH STREET & EUCLID AVE
 Sheet 1 of 1 DT07 of DT09

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION
 9TH AVE, 5TH ST, AND 9TH ST BICYCLE BOULEVARDS
 SAINT MARYS RD TO FORT LOWELL RD, 6TH AVE TO EUCLID AVE, AND 4TH AVE TO TREAT AVE
 CIVIL DETAIL SHEETS

KITTELSON & ASSOCIATES
 2 E CONGRESS STREET, SUITE 705
 TUCSON, AZ 85701
 P 520.544.4067 F 520.544.9616



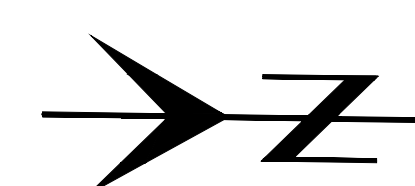
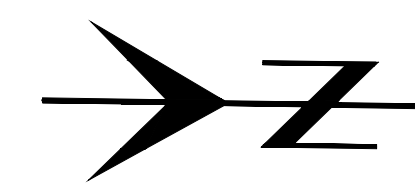
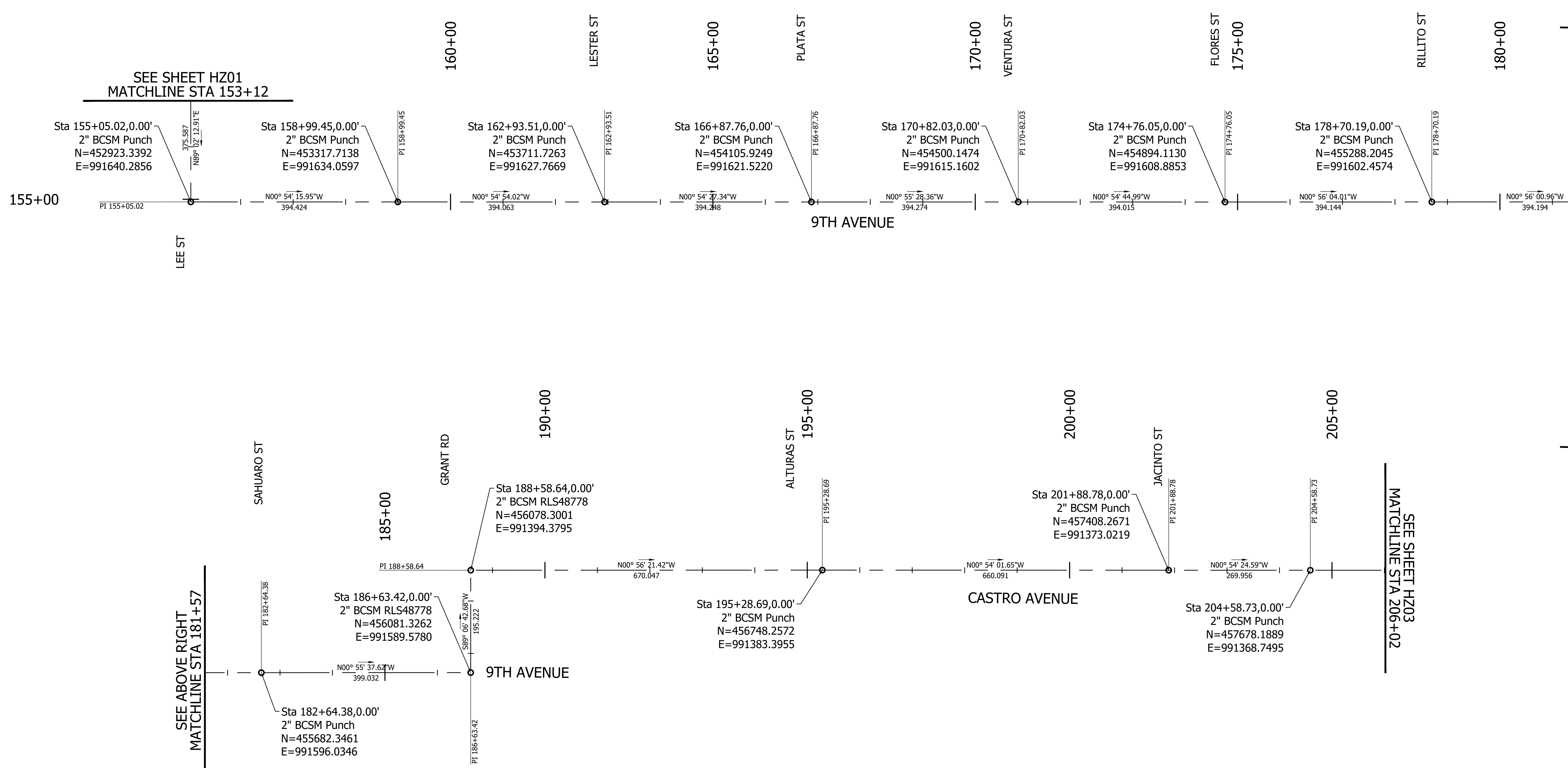
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				74
				TRANSPORTATION DIRECTOR
				REF. SCALE: 1"=5'
				PLAN NO. U-2022-006



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SEE SHEET HZ01
MATCHLINE STA 153+12

SEE BELOW LEFT
MATCHLINE STA 181+57

SEE ABOVE RIGHT
MATCHLINE STA 181+57

SEE SHEET HZ03
MATCHLINE STA 206+02

HZ02 OF HZ06



DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION
 9TH AVE, 5TH ST, AND 9TH ST BICYCLE BOULEVARDS
 SAINT MARYS RD TO FORT LOWELL RD, 6TH AVE TO EUCLID AVE, AND 4TH AVE TO TREAT AVE
 HORIZONTAL CONTROL SHEETS

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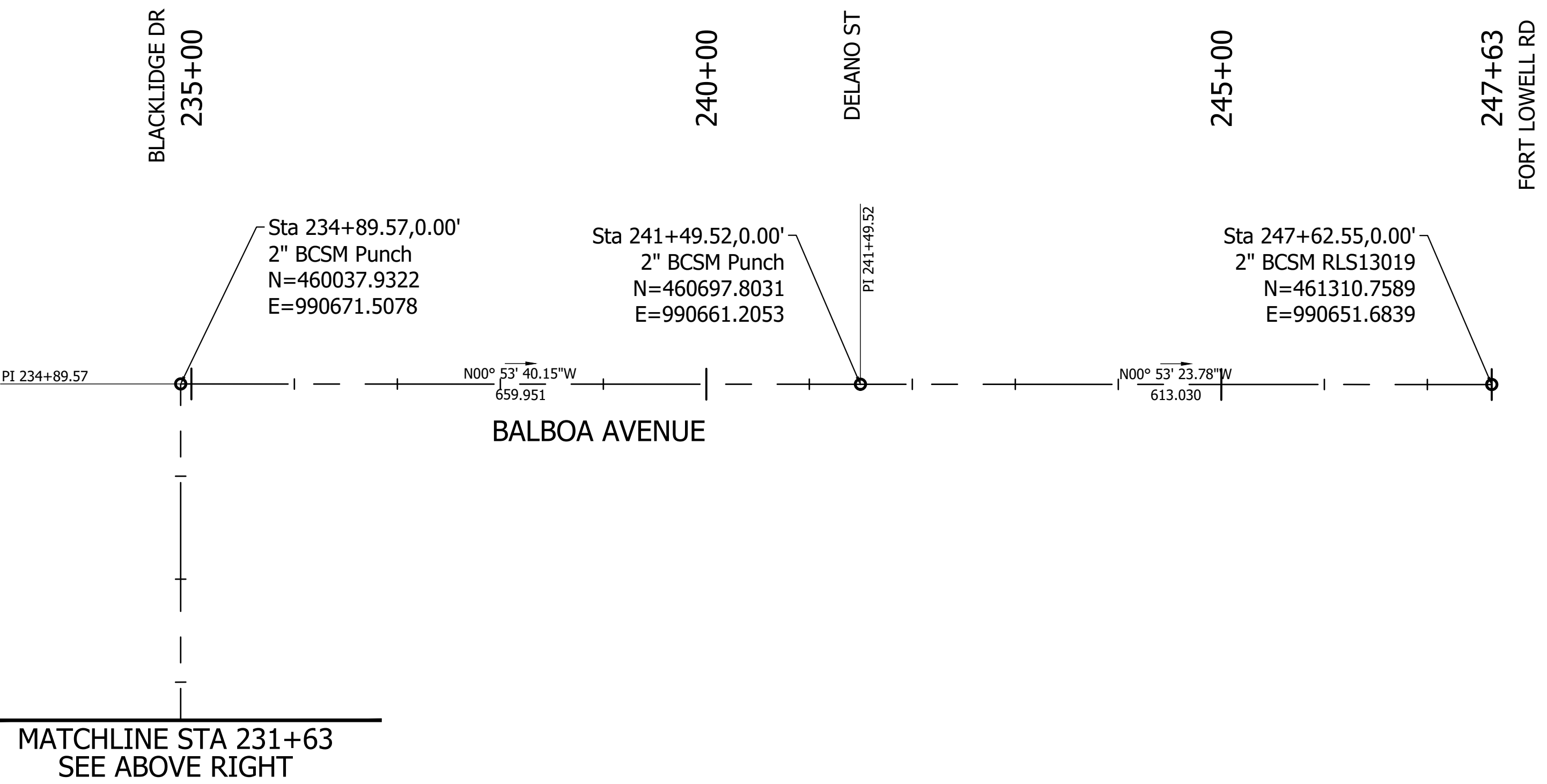
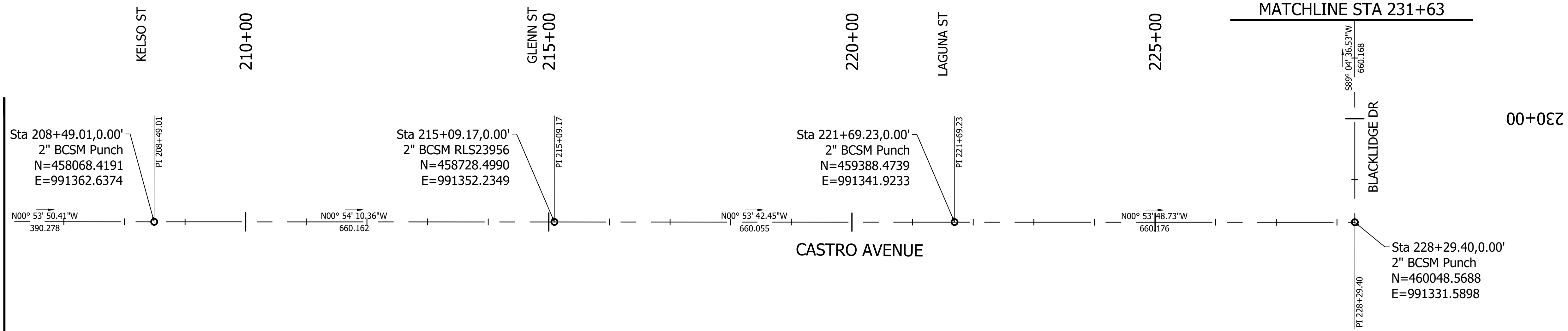
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TRANSPORTATION DIRECTOR	OF
REF. _____ SCALE: 1"=100'	74
PLAN NO. U-2022-006	



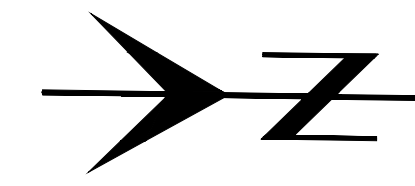
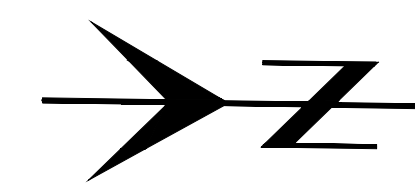
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SEE SHEET HZ02
MATCHLINE STA 206+02

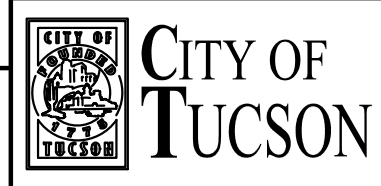


MATCHLINE STA 231+63
SEE ABOVE RIGHT



HZ03 OF HZ06

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SAINT MARYS RD TO FORT LOWELL RD, 6TH AVE TO EUCLID AVE, AND 4TH AVE TO TREAT AVE
HORIZONTAL CONTROL SHEETS

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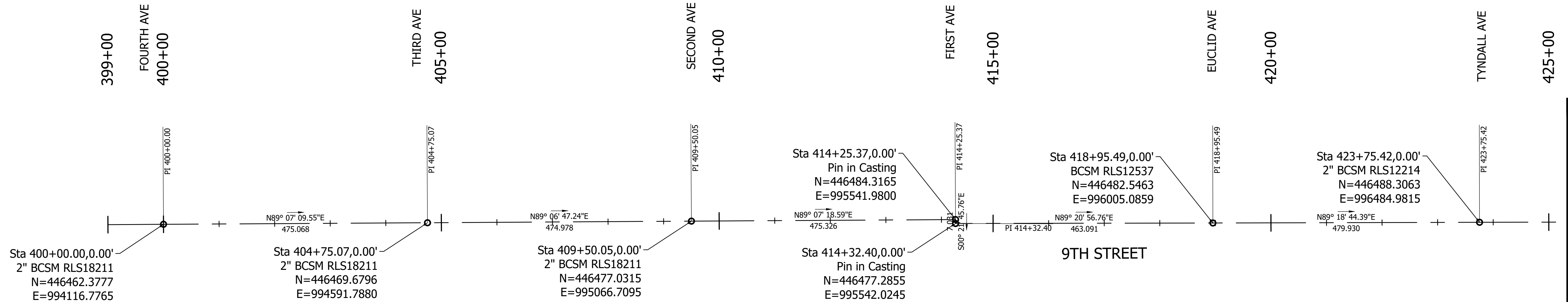
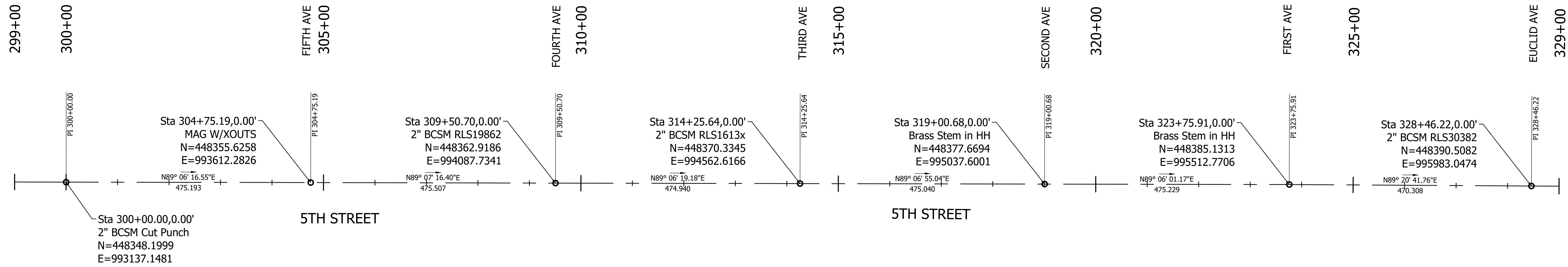
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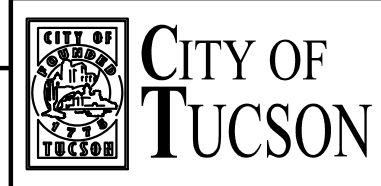
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MATCHLINE STA 425+33
 SEE SHEET HZ05

HZ04 OF HZ06



DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION
9TH AVE, 5TH ST, AND 9TH ST BICYCLE BOULEVARDS
 SAINT MARYS RD TO FORT LOWELL RD, 6TH AVE TO EUCLID AVE, AND 4TH AVE TO TREAT AVE
HORIZONTAL CONTROL SHEETS

NO.	DATE	REVISION DESCRIPTION	BY	CHKD.	APPR.

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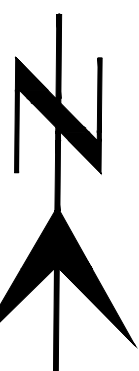
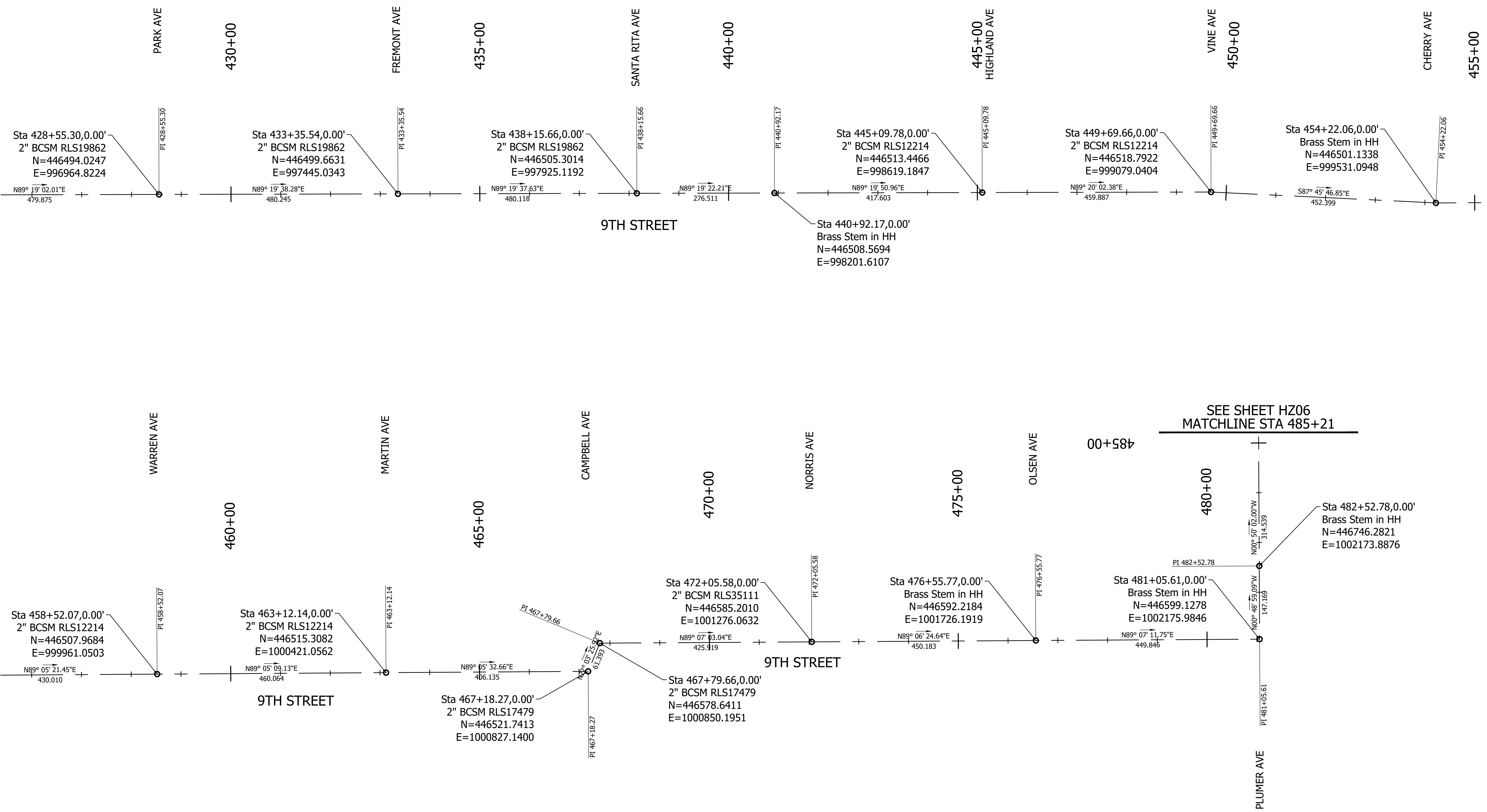
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SEE SHEET HZ04
MATCHLINE STA 425+33

MATCHLINE STA 455+34
SEE ABOVE RIGHT

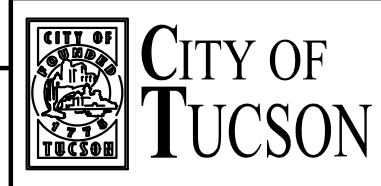
SEE BELOW LEFT
MATCHLINE STA 455+34

SEE SHEET HZ06
MATCHLINE STA 485+21



HZ05 OF HZ06

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 SAINT MARYS RD TO FORT LOWELL RD, 6TH AVE TO EUCLID AVE, AND 4TH AVE TO TREAT AVE
 HORIZONTAL CONTROL SHEETS

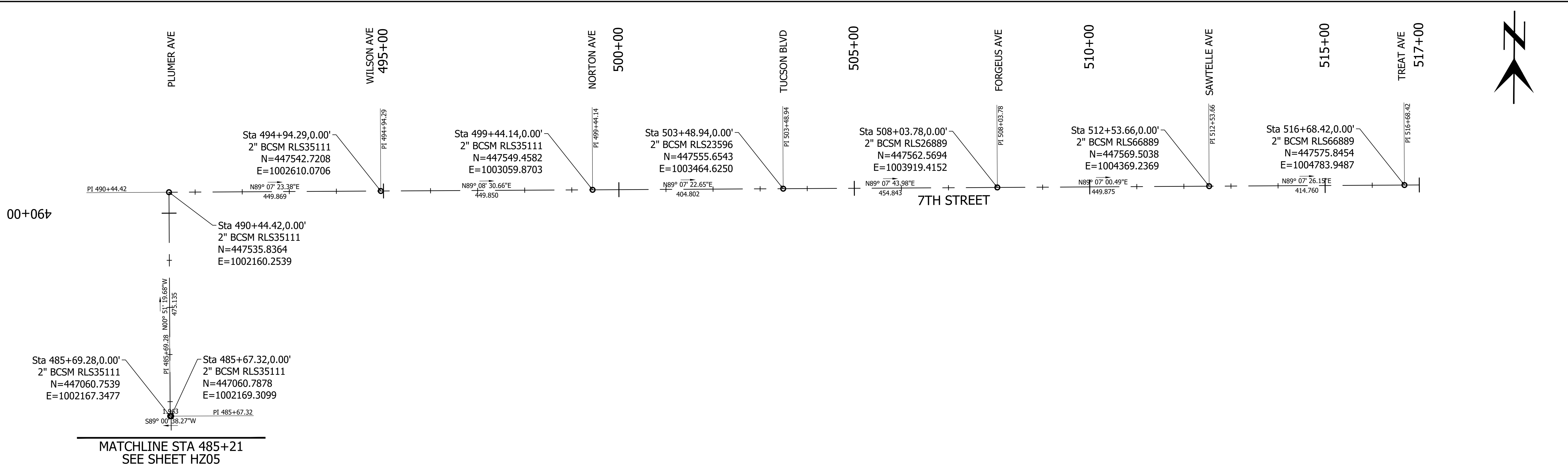
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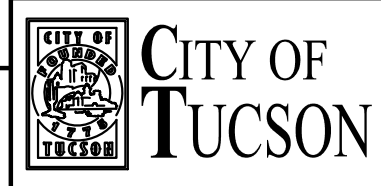


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HZ06 OF HZ06

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DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION
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 SAINT MARYS RD TO FORT LOWELL RD, 6TH AVE TO EUCLID AVE, AND 4TH AVE TO TREAT AVE
HORIZONTAL CONTROL SHEETS

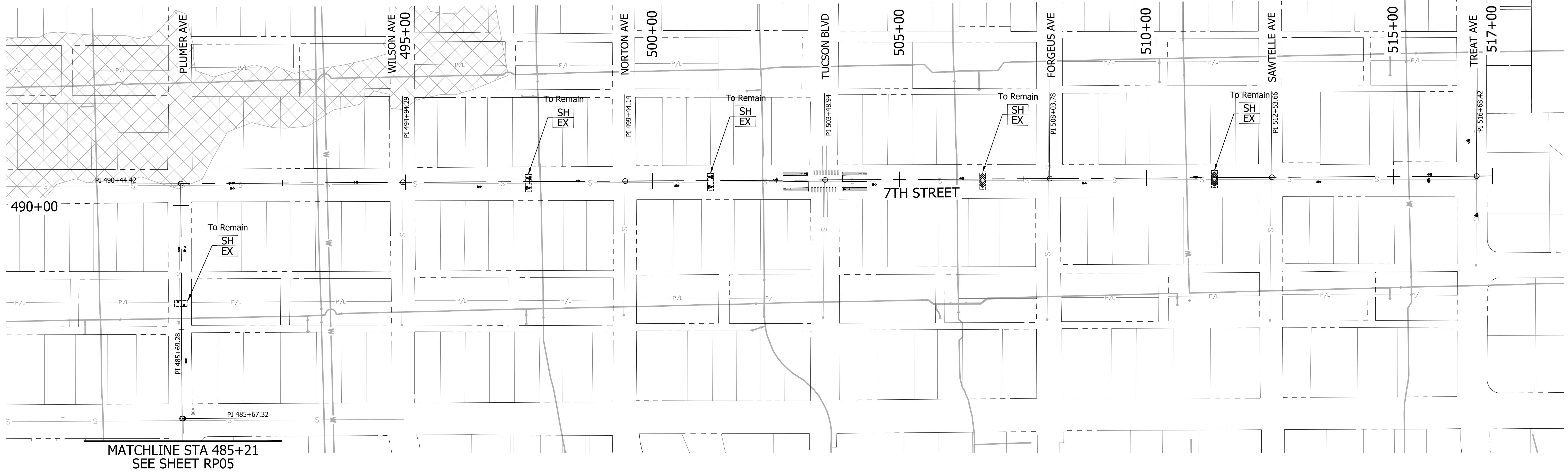
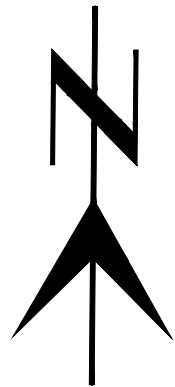
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 TRANSPORTATION DIRECTOR
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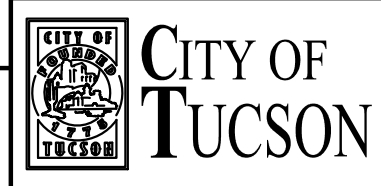
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KEYNOTES LEGEND

- | | | |
|------------|---|--------------|
| NEW | | EXIST |
| | Traffic Circle Reference ID No. See Detail A for location, configuration, and additional information. | |
| | Speed Hump Reference ID No. See Detail B for location, configuration, and additional information. | |
| | Chicane Reference ID No. See Detail C for location, configuration, and additional information. | |
| | Center Island Reference ID No. See Detail D for location, configuration, and additional information. | |
| | Access Ramp Reference ID No. See Detail E for location, configuration, and additional information. | |
| | FEMA Zone AE | |
| | FEMA Zone X | |

RP06 OF RP06

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 SAINT MARYS RD TO FORT LOWELL RD, 6TH AVE TO EUCLID AVE, AND 4TH AVE TO TREAT AVE
ROADWAY PLAN SHEETS

NO.	DATE	REVISION DESCRIPTION	BY	CHKD.	APPR.

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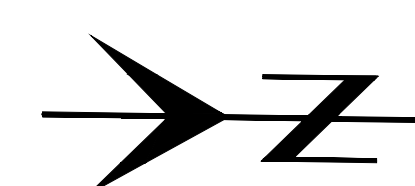
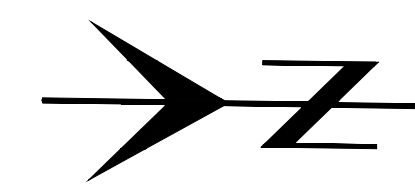
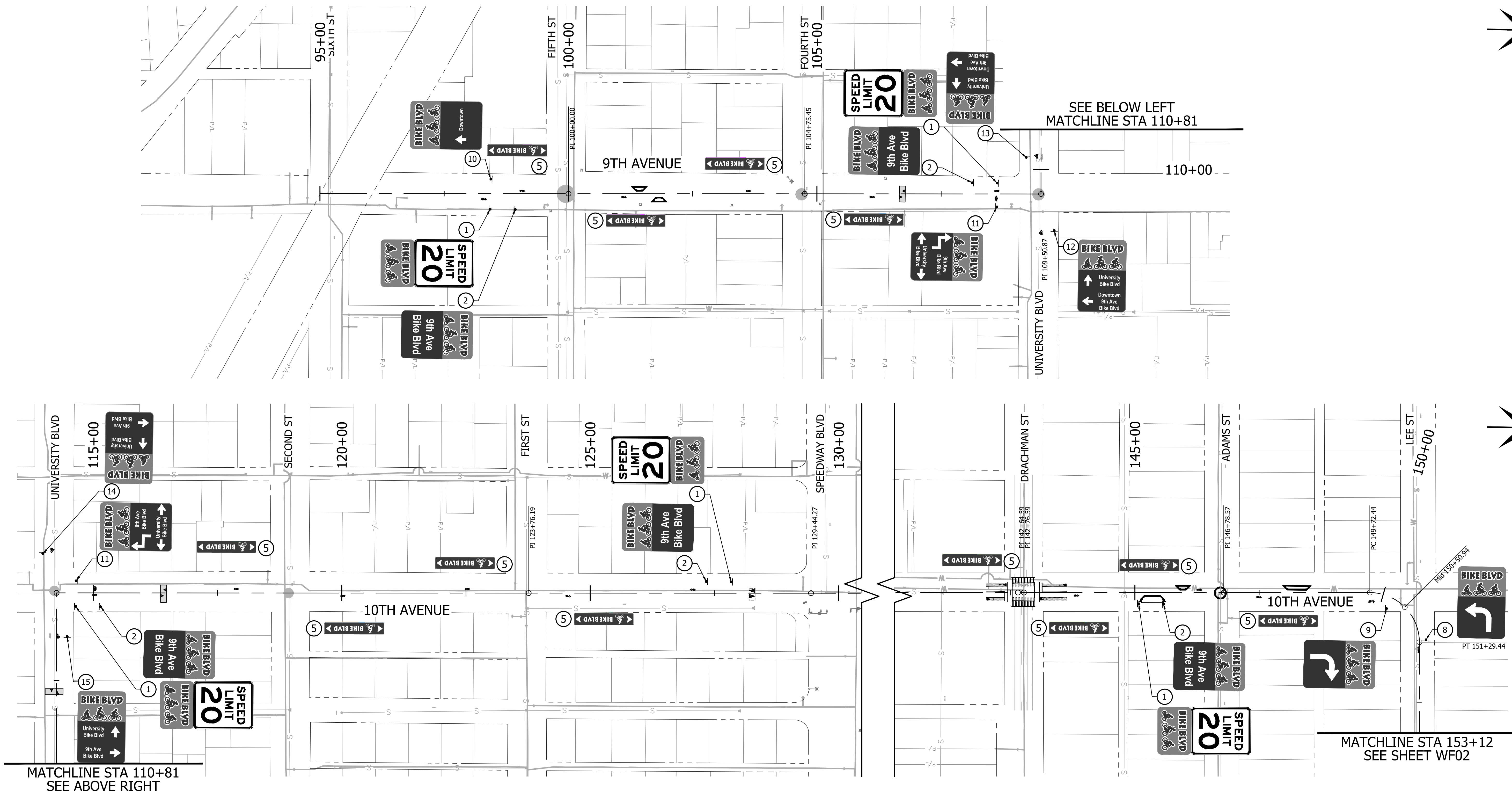
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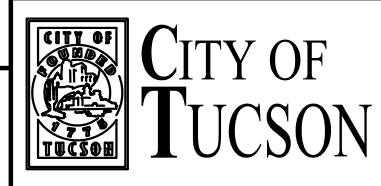
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- Notes**
- After locations for wayfinding signs are staked, the contractors shall obtain approval by the Engineer before installing signs. The Engineer shall check sign locations for conflicts with existing structures, utilities, signs, and right-of-way; sign spacing; and distances to and from intersections.
 - Bike Blvd signs shall be installed above existing street name signs as noted in the directions of the Bike Blvd street. See SG03 for additional information.
- # # Wayfinding Sign Number.
See Sheet SG03 for details and dimensions.

WF01 OF WF06

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DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION
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 SAINT MARYS RD TO FORT LOWELL RD, 6TH AVE TO EUCLID AVE, AND 4TH AVE TO TREAT AVE
BIKE BLVD WAYFINDING SIGN SHEET

NO.	DATE	REVISION DESCRIPTION	BY	CHKD.	APPR.

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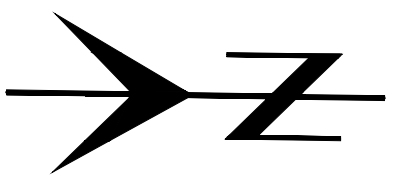
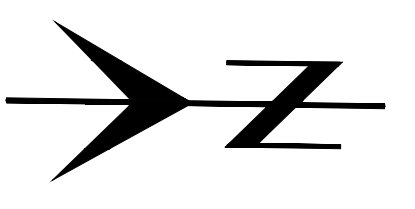
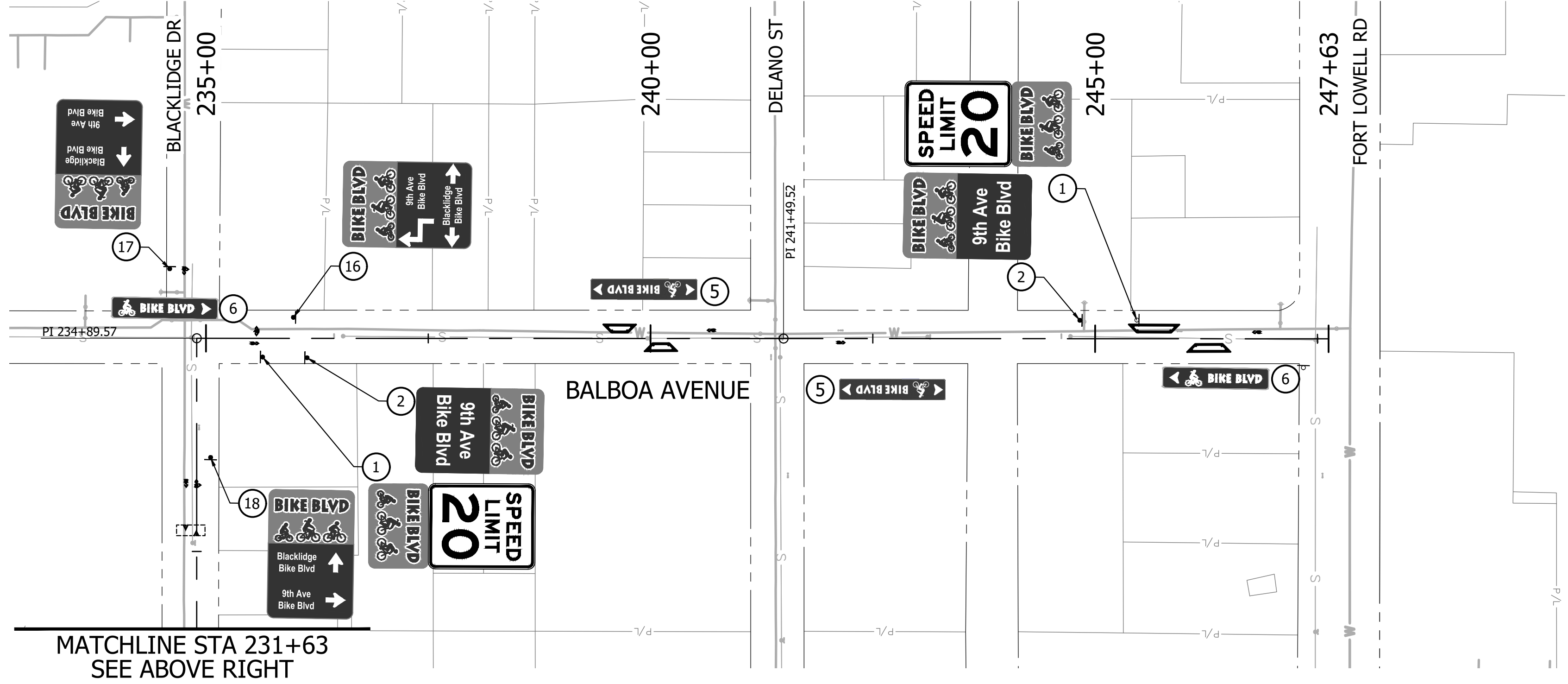
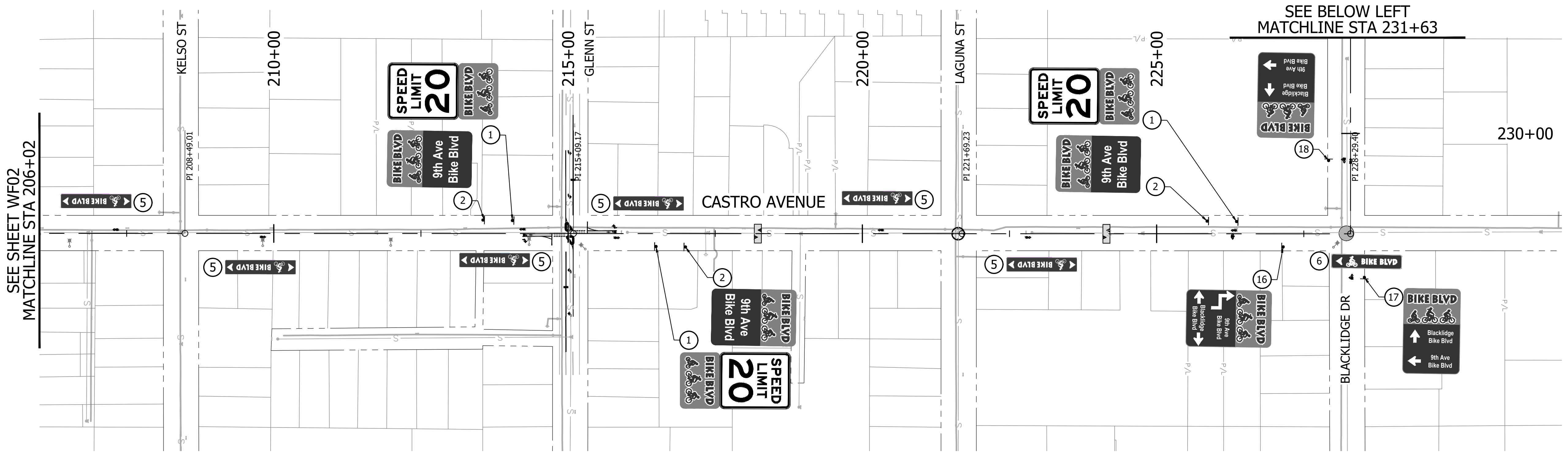
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PLAN NO. **U-2022-006**



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Notes

1. After locations for wayfinding signs are staked, the contractors 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.
2. Bike Blvd signs shall be installed above existing street name signs as noted in the directions of the Bike Blvd street. See SG03 for additional information.

Wayfinding Sign Number.
 See Sheet SG03 for details and dimensions.

WF03 OF WF06

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CITY OF TUCSON

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION
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 SAINT MARYS RD TO FORT LOWELL RD, 6TH AVE TO EUCLID AVE, AND 4TH AVE TO TREAT AVE
BIKE BLVD WAYFINDING SIGN SHEET

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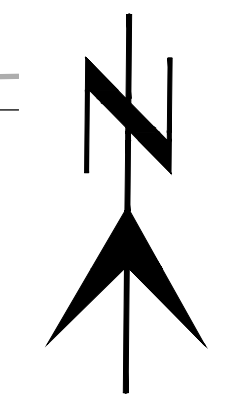
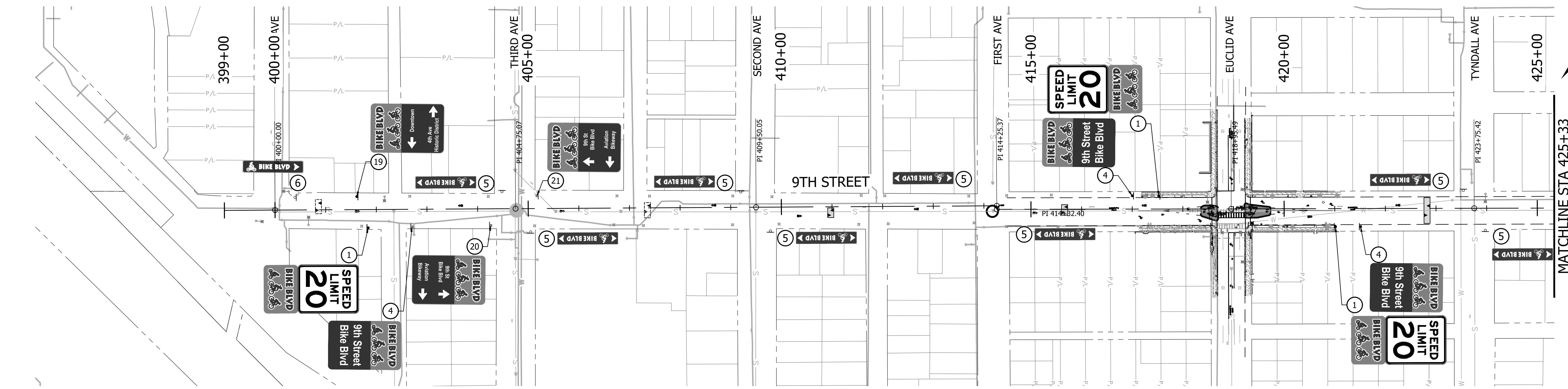
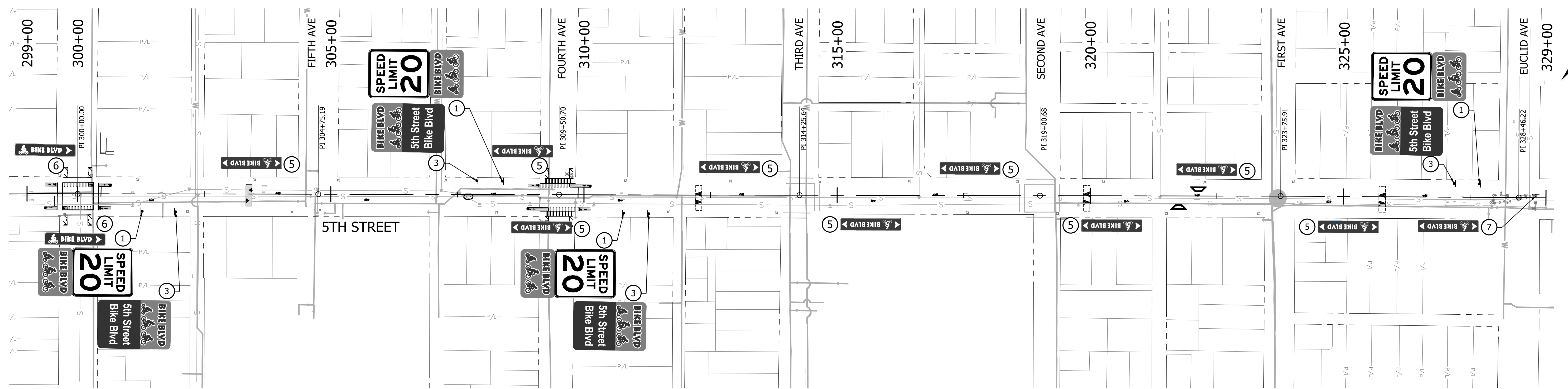
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MATCHLINE STA 425+33
SEE SHEET WF05

Notes

1. After locations for wayfinding signs are staked, the contractors 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.
2. Bike Blvd signs shall be installed above existing street name signs as noted in the directions of the Bike Blvd street. See SG03 for additional information.

Ⓝ Wayfinding Sign Number.
See Sheet SG03 for details and dimensions.

WF04 OF WF06

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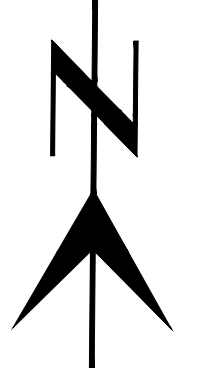
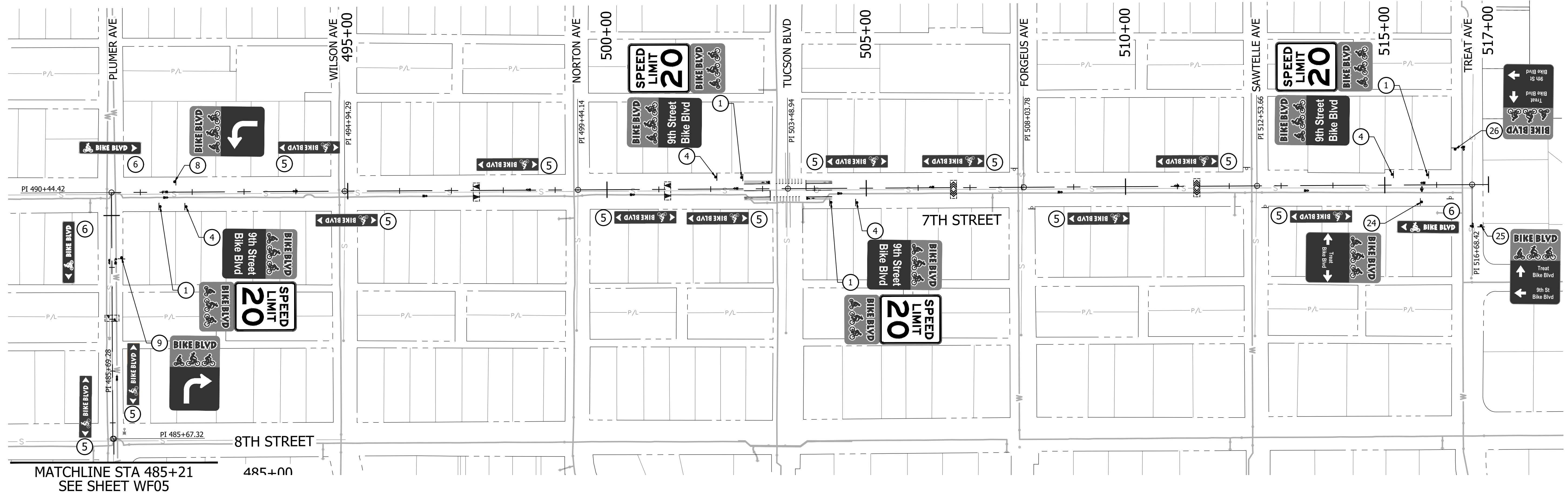
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9TH AVE, 5TH ST, AND 9TH ST BICYCLE BOULEVARDS
SAINT MARYS RD TO FORT LOWELL RD, 6TH AVE TO EUCLID AVE, AND 4TH AVE TO TREAT AVE
BIKE BLVD WAYFINDING SIGN SHEET

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APPROVALS	SIGNATORY	DATE	APPROVED	26
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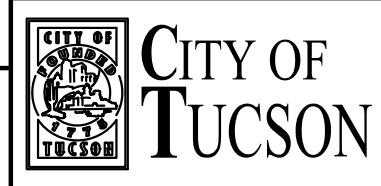
Notes

1. After locations for wayfinding signs are staked, the contractors 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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Wayfinding Sign Number.
 See Sheet SG03 for details and dimensions.

WF06 OF WF06

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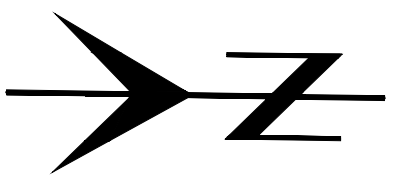
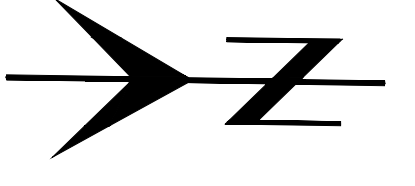
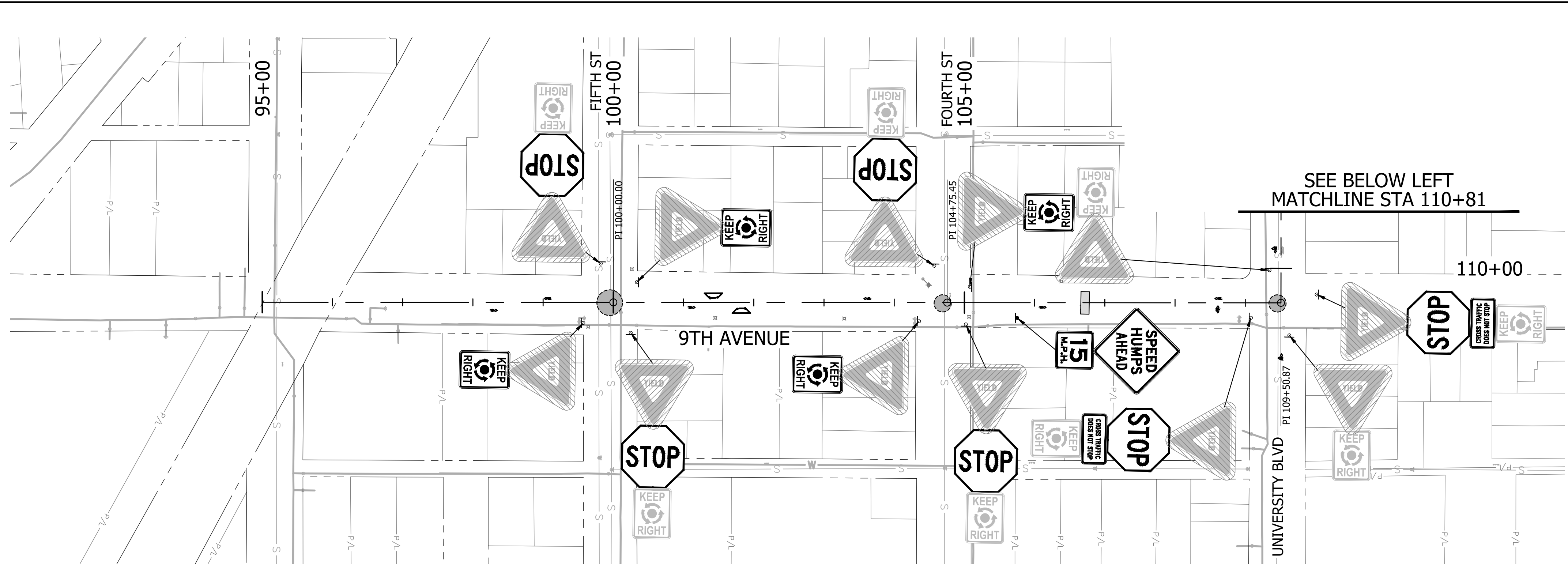
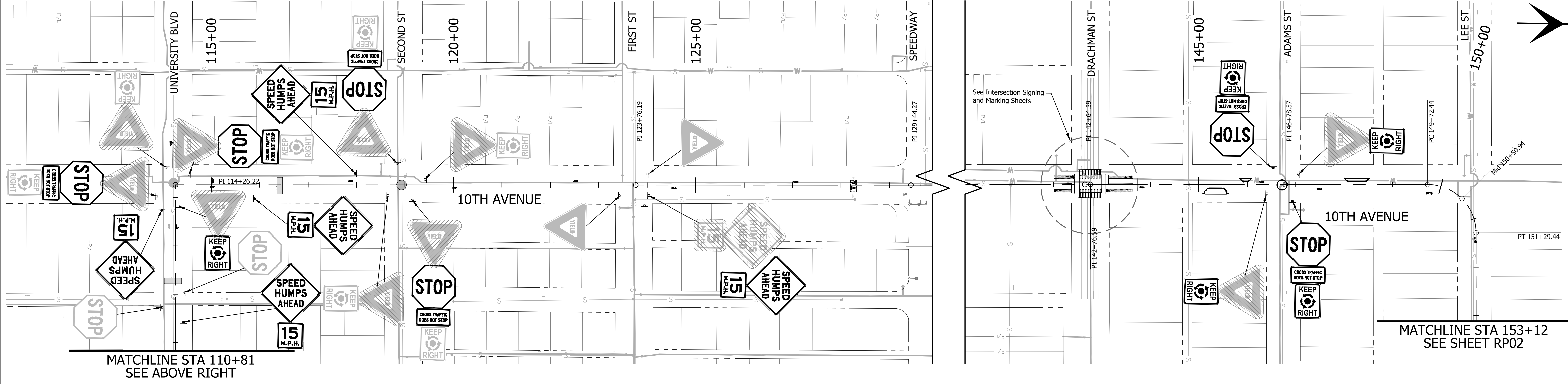
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BIKE BLVD WAYFINDING SIGN SHEET

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DRWN. BY BZD 20 23	DSGN. BY BZD 20 23	CHKD. BY FLG 20 23	PLAN NO. U-2022-006	







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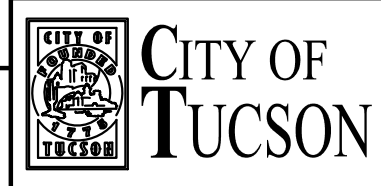
Notes

1. All existing signs shall be protected in place unless indicated otherwise.
2. See Sign Summary Tables for detailed information.

-  New sign panel
-  Existing sign panel to remain
-  Existing sign panel to be removed
-  Existing sign post
-  New sign post

SS01 of SS06

KITTELSON & ASSOCIATES
 2 E CONGRESS STREET, SUITE 705
 TUCSON, AZ 85701
 P 520.544.4067 F 520.544.9616



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DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION
9TH AVE, 5TH ST, AND 9TH ST BICYCLE BOULEVARDS
 SAINT MARYS RD TO FORT LOWELL RD, 6TH AVE TO EUCLID AVE, AND 4TH AVE TO TREAT AVE
BIKE BLVD SIGNING AND MARKING SHEETS

NO.	DATE	REVISION DESCRIPTION	BY	CHKD.	APPR.

APPROVALS	SIGNATORY	DATE

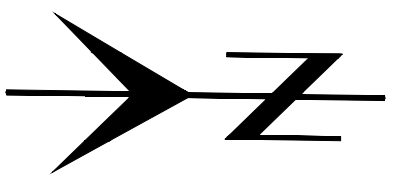
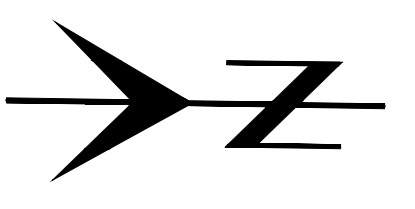
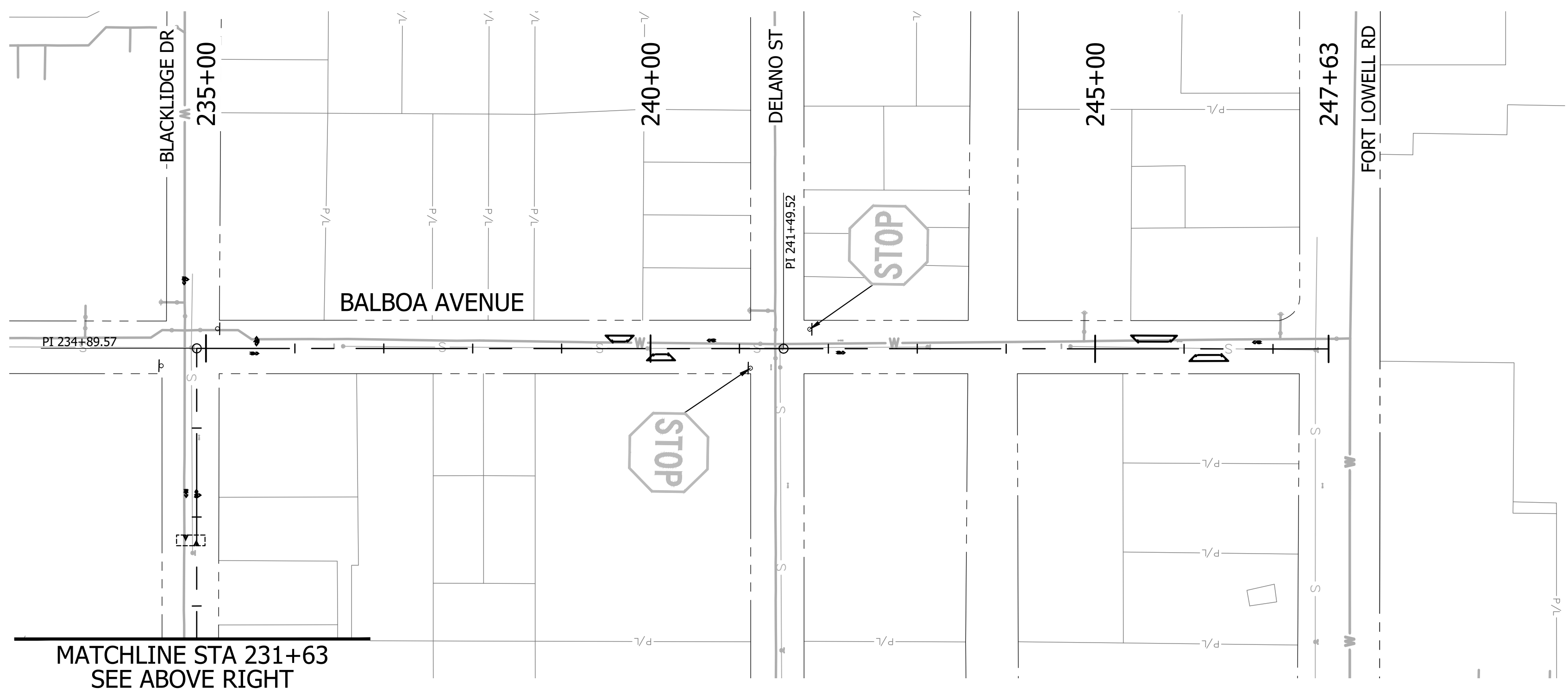
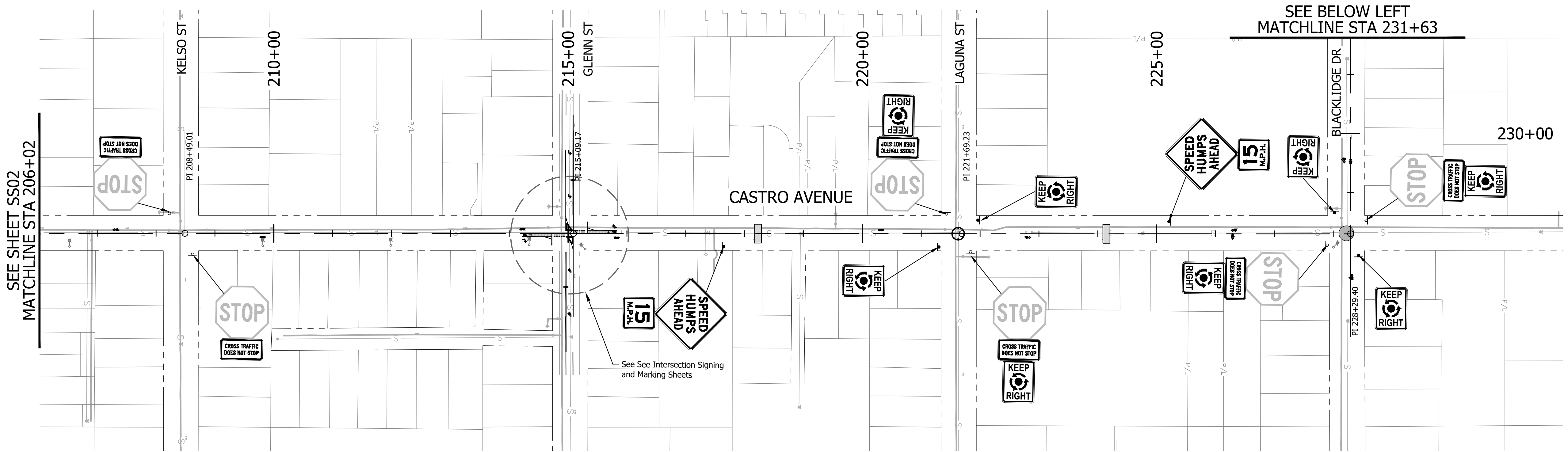
APPROVED _____ 20__ OF 74
 TRANSPORTATION DIRECTOR

REF. _____ SCALE: 1"=100'
 PLAN NO. U-2022-006




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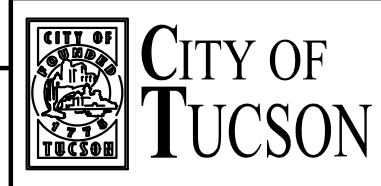
Notes

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-  New sign panel
-  Existing sign panel to remain
-  Existing sign panel to be removed
-  Existing sign post
-  New sign post

SS03 of SS06

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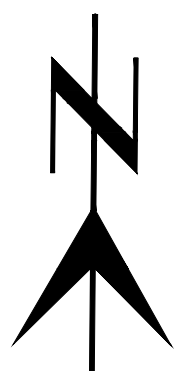
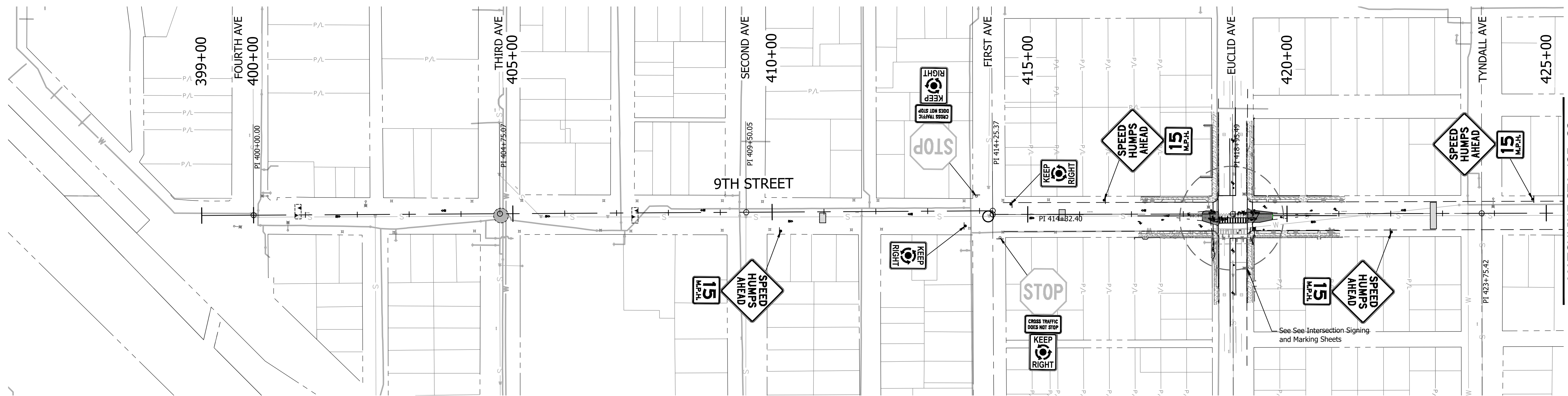
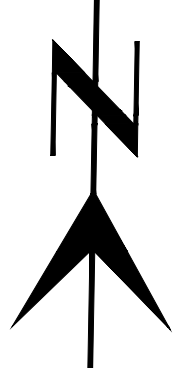
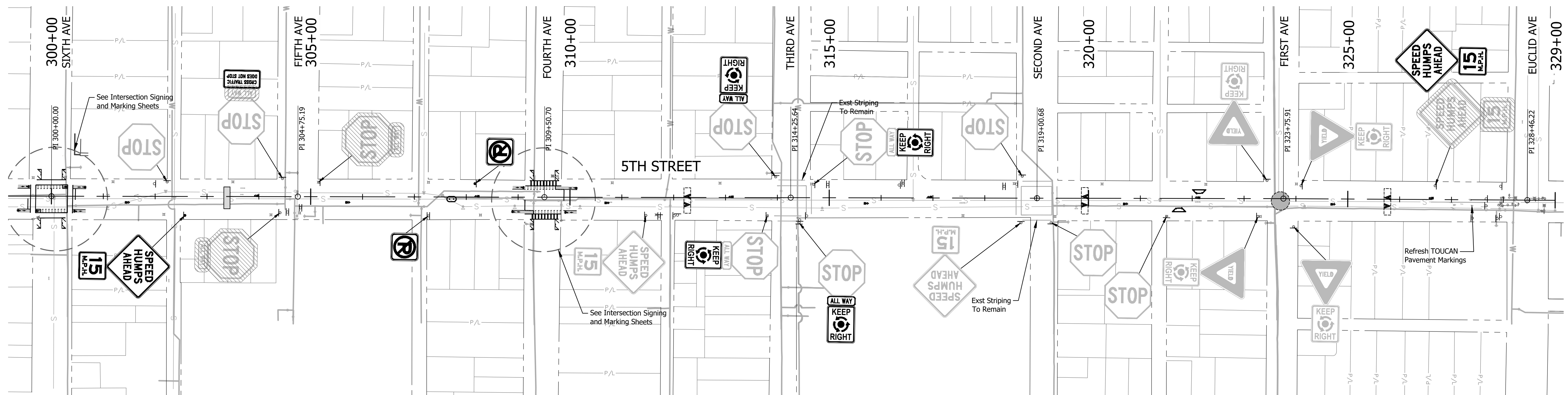
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DRWN. BY BZD 20 23 DSGN. BY BZD 20 23 CHKD. BY FLG 20 23 PLAN NO. U-2022-006

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MATCHLINE STA 425+33
 SEE SHEET SS05

Notes

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2. See Sign Summary Tables for detailed information.

- New sign panel
- Existing sign panel to remain
- Existing sign panel to be removed
- Existing sign post
- New sign post

SS04 OF SS06

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CITY OF TUCSON

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION
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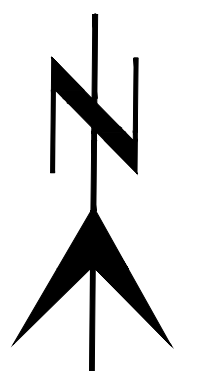
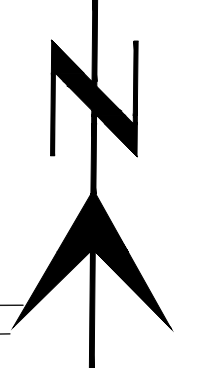
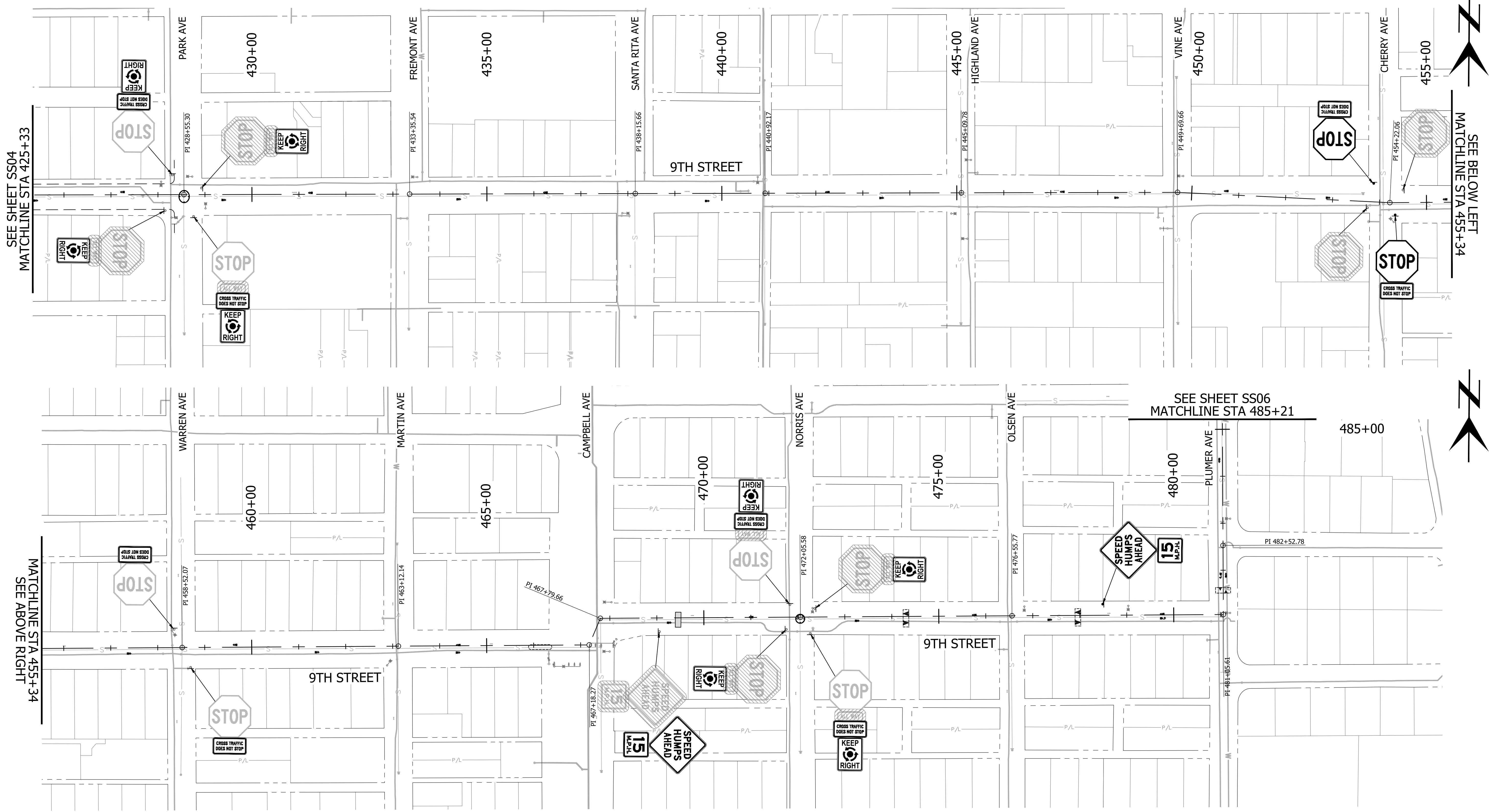
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APPROVALS	SIGNATORY	DATE	APPROVED
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DRWN. BY <u>BZD</u> 20 <u>23</u> DSGN. BY <u>BZD</u> 20 <u>23</u> CHKD. BY <u>FLG</u> 20 <u>23</u>			REF. _____ SCALE: <u>1"=100'</u> PLAN NO. <u>U-2022-006</u>

Contact Arizona 811 at least two full working days before you begin excavation

 ARIZONA 811
 Call 811 or visit arizona811.com

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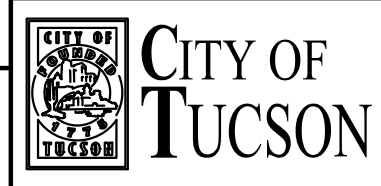
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- Existing sign post
- New sign post

SS05 of SS06

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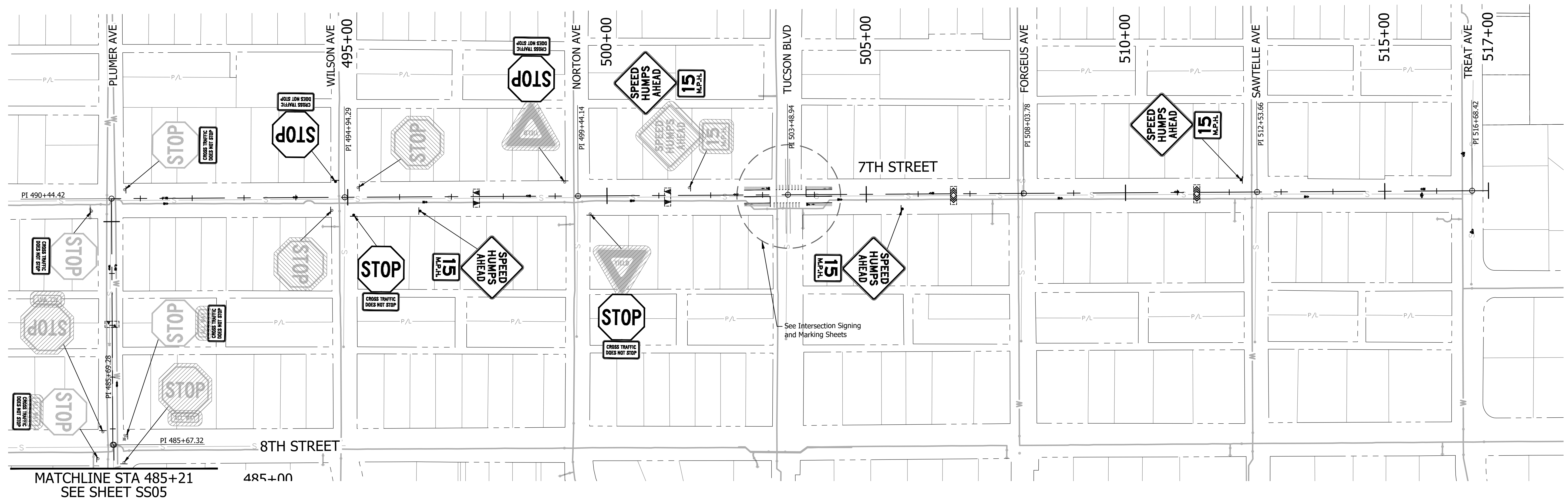
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DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION			
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BIKE BLVD SIGNING AND MARKING SHEETS			
APPROVALS	SIGNATORY	DATE	APPROVED _____ 20__ 33
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			74
			TRANSPORTATION DIRECTOR
			REF. _____ SCALE: 1"=100'
DRWN. BY BZD 20 23	DSGN. BY BZD 20 23	CHKD. BY FLG 20 23	PLAN NO. U-2022-006

NO.	DATE	REVISION DESCRIPTION	BY	CHKD.	APPR.



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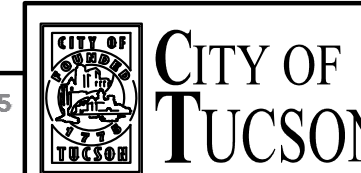
Notes

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2. See Sign Summary Tables for detailed information.

-  New sign panel
-  Existing sign panel to remain
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-  New sign post

SS06 OF SS06

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DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION
9TH AVE, 5TH ST, AND 9TH ST BICYCLE BOULEVARDS
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PAVEMENT MARKING GENERAL NOTES

- All pavement markings shall conform to PC/COT Standards and Specifications.
- The permanent pavement markings may be modified as directed by the Traffic Engineer or Designee.
- The design vehicle for this project is a SU-40.
- All lane dimensions are from the center of the lane, center of the 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 15-30 calendar days after completion of the final pavement surface or as directed by the Traffic Engineer. All other markings shall be applied at the same time. Temporary striping shall be paint. Temporary paint shall be 15 mil (0.015") thick water based paint placed on the final pavement surface.
- All final transverse markings shall be extruded 90 mil (0.090") thermoplastic striping. All green pavement marking shall be paint per special provisions. 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 Traffic Engineer prior to the application of materials. The striping contractor shall contact COT Traffic Engineering at (520) 791-4259 at least three working days in advance of any pavement marking installation to schedule inspection and approval of layout.
- 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 Traffic Engineer.
- The contractor shall clean the roadway surface to the satisfaction of the Traffic Engineer by sweeping and air-jet blowing immediately prior to the placement of all pavement markings. The temperature shall not be less than 50°F for the placement of thermoplastic striping and 40°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.
- At intersection approaches on roadways with medians, Type C RPMs shall be placed as per PC/COT Standards or as directing by the Traffic Engineer.
- All removal of existing pavement markings shall be accomplished in accordance with Section 701 of the PC/COT Standard Specifications. Painting over existing striping does not constitute approved striping obliteration. Asphalt scarring as evaluated/determined by city/traffic engineer shall require application of a fog seal CSS-1 at 0.06 to 0.08 of a gallon per square yard over the removed paint stripe.
- 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 markers shall be performed by the Traffic Engineer.
- A meeting with the inspector and Traffic Engineer or Designee shall be scheduled to go over striping plans and striping changes a minimum of 48 hours in advance of striping activity.
- Symbols and legends shall not be applied as temporary installations, unless directed by the Traffic Engineer.
- Painted curb (red - no parking) will be considered incidental to other items of work.

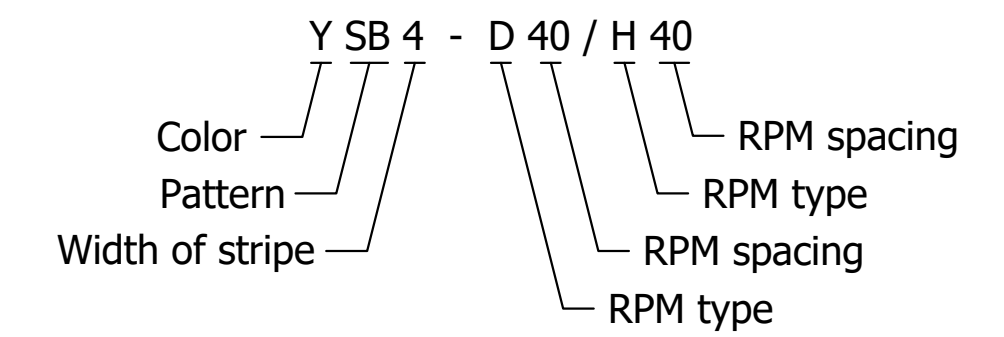
SIGNING GENERAL NOTES

- All signs shall be in compliance with the 2009 Edition of the Manual on Uniform Traffic Control Devices with the Arizona Supplement, the 2020 Edition of the Pima County and City of Tucson Traffic Signing Design Manual, the Special Provisions, and the plans.
- 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 posts (square tube) and shall be installed in a concrete foundation, unless otherwise directed by the Traffic Engineer or Designee.
- All sign station locations are approximate. The contractor shall verify actual sign locations with the Traffic Engineer prior to the installation of all signs. The contractor shall be responsible for coordinating all work with Arizona 811 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 signs whose messages or locations are in conflict with new or proposed signs shall be removed and salvaged unless specifically called out to remain on the signing and marking 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, (520) 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 2003 PC/DOT Standard Specifications for Public Improvements.
- Final inspection/acceptance of signing shall be performed by the jurisdiction Traffic Engineer or Designee.
- The Posted Speed limit for the road(s) is 20 mph. Sign placement shall be based on the posted speed limit.

APPROXIMATE PAVEMENT MARKING QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
Painted Stripe (White) (4" Equivalent)	LF	986
Painted Stripe (White) (4" Equivalent) (Transverse)	LF	12603
Painted Stripe (Yellow) (4" Equivalent)	LF	2235
Painted Bike (Green)	SF	6002
Red Painted Curb (No Parking)	LF	592
Bike Wayfinding Legends	EA	21
Shared Lane Legend (Sharrow)	EA	134
Bike Symbol and Arrow	EA	20

LINE STYLE DESIGNATIONS

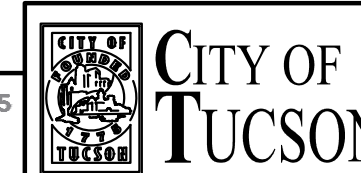


See PC/COT Signing and Pavement Marking Manual for Further Descriptions.

APPROXIMATE SIGNING QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
Sign Post (Perforated)	LF	2179
Foundation for Sign Post (Perforated)	EA	182
Flat Sheet Aluminum Sign Panel (Type XI)	SF	2496
Remove and Reinstall Sign	EA	5
Remove and Salvage Sign Panel	EA	75

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9TH AVE, 5TH ST, AND 9TH ST BICYCLE BOULEVARDS
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INTERSECTION SIGNING AND MARKING SHEETS



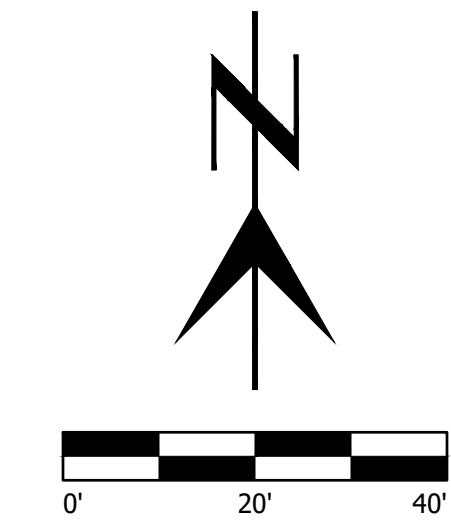
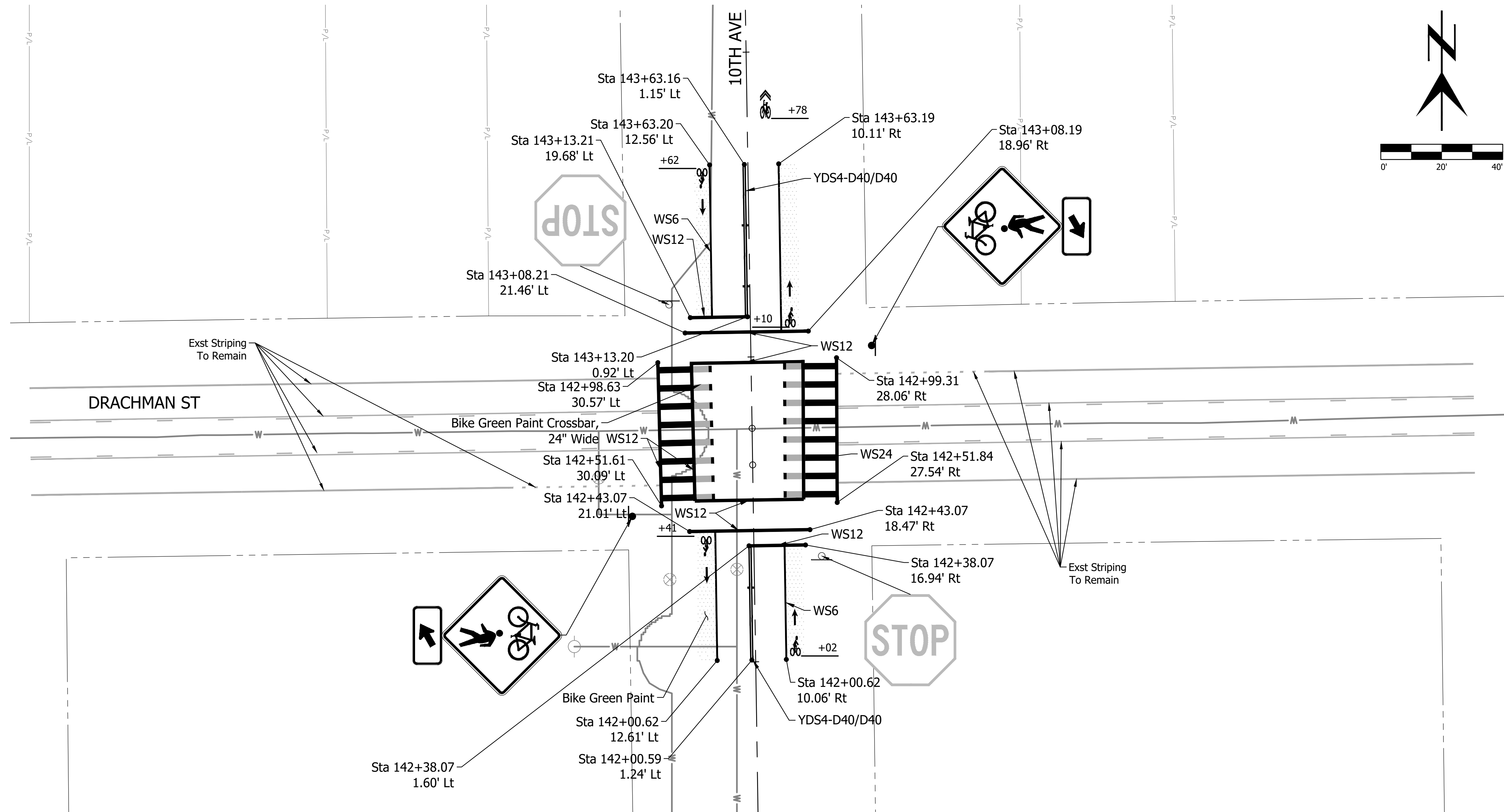
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PAVEMENT MARKING AND SIGNING NOTES

1. Contractor shall remove any thermoplastic markings from sewer manhole covers. The cost will be incidental to the project.
2. For additional pavement marking and signing information not shown on this sheet see PCDOT/COT Signing and Marking Standards.
3. For information of components and dimensions of crosswalks and bike crossings, see pavement Marking details on Sheet SG02.
4. Station and offset values are approximate and based on centerline survey. The contractor shall adjust layouts to conform with field conditions and the details provided in this plan set. The contractor shall get city approval for all work prior to installation.

SG05 OF SG11

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DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION
9TH AVE, 5TH ST, AND 9TH ST BICYCLE BOULEVARDS
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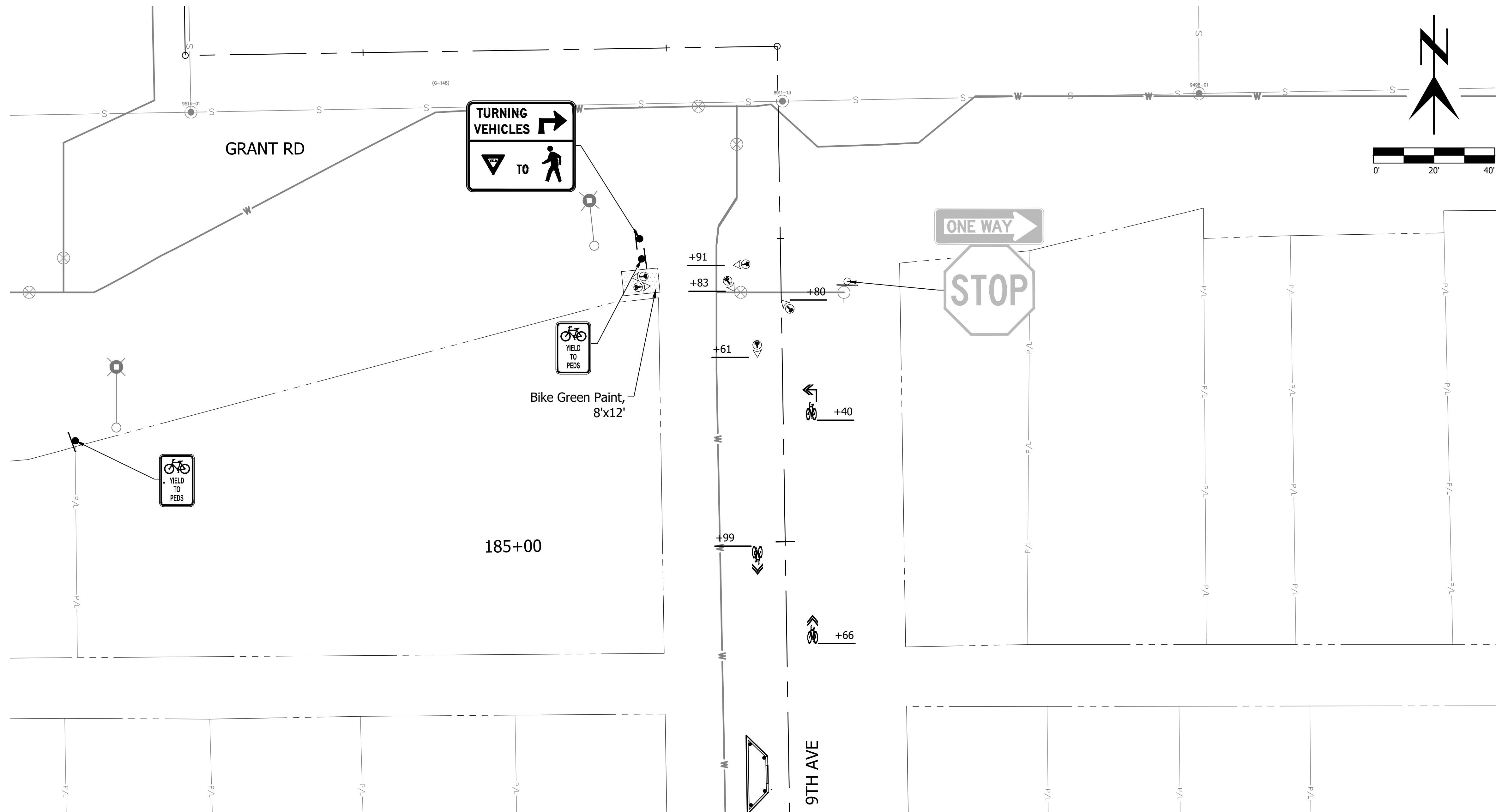
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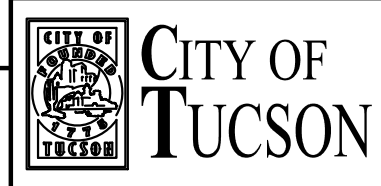


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SG06 OF SG11

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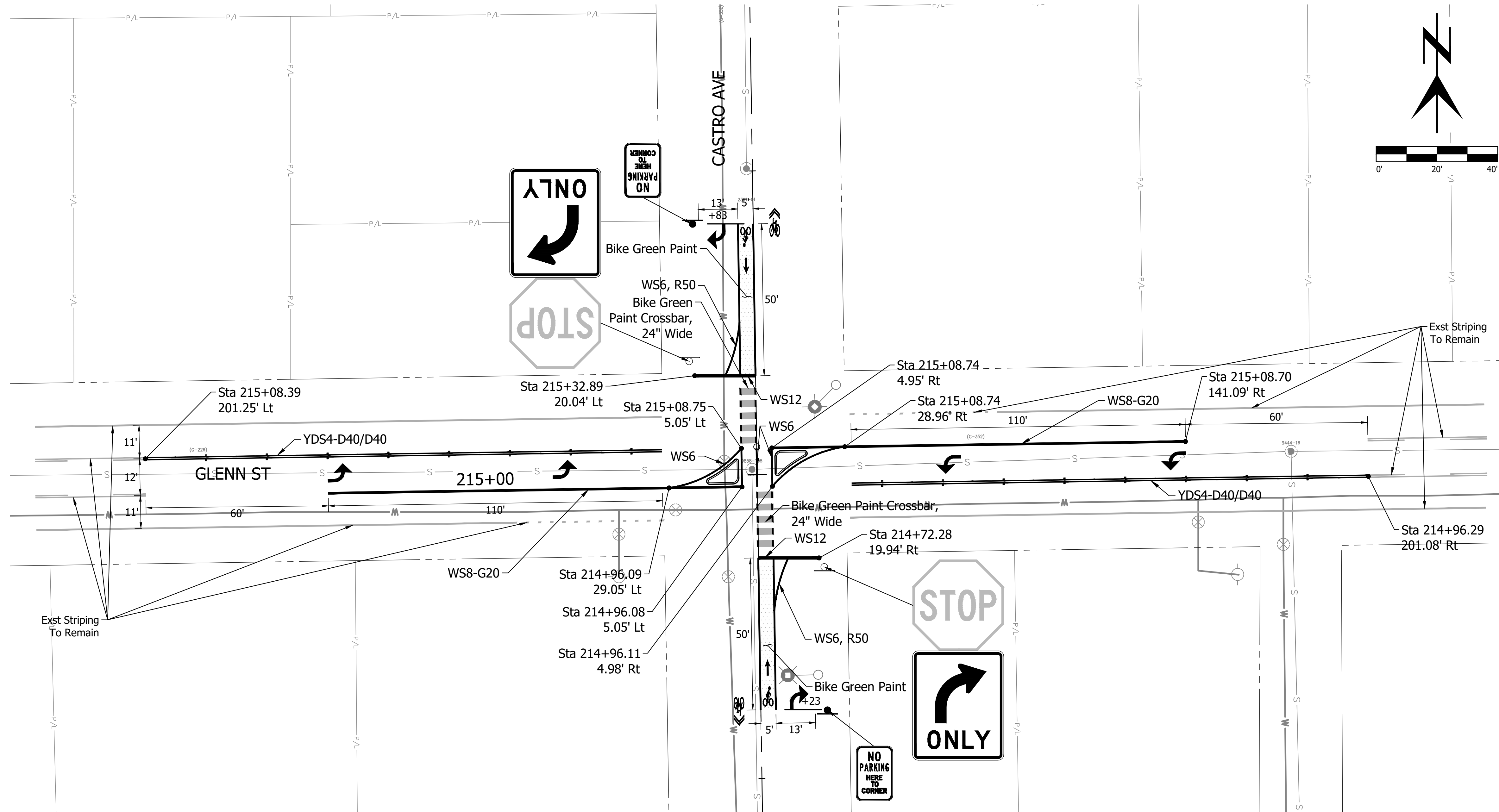
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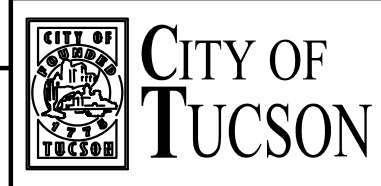


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SG07 OF SG11

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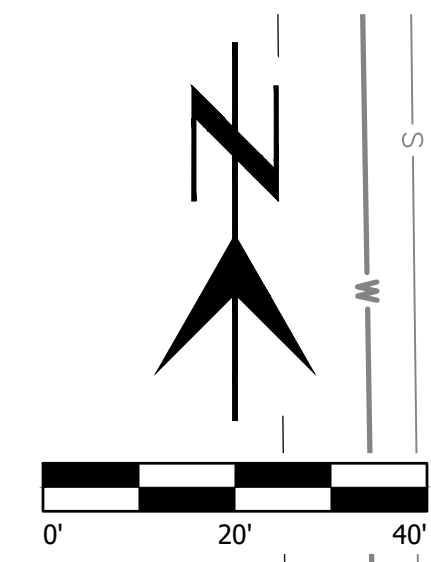
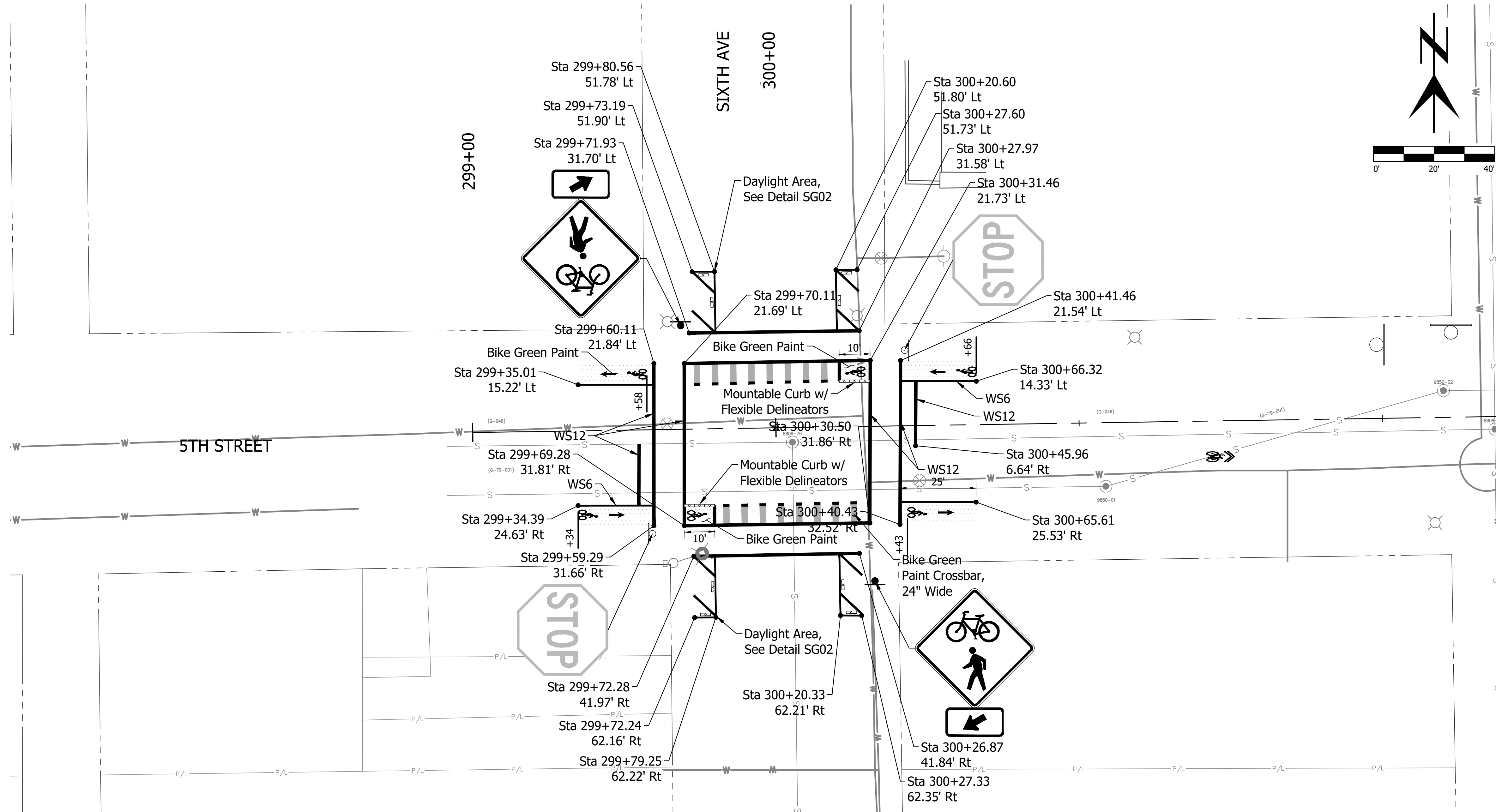
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REF. _____ SCALE: 1"=20'

DRWN. BY BDH 20 23 DSGN. BY BDH 20 23 CHKD. BY FLG 20 23 PLAN NO. U-2022-006



H:\24\2453\3 - Tucson Bicycle And Pedestrian\01-cd\02 - RTA Bicycle Boulevard Package\Design\CD\2453.002-CD-06-0-INTX-SIG&MARK.dwg 08-SIXTH By:Bhrein Plotted:Friday, August 18, 2023 11:55:27 AM

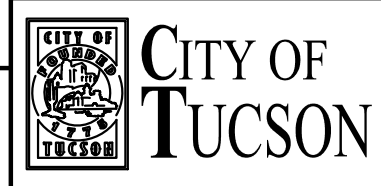


PAVEMENT MARKING AND SIGNING NOTES

- Contractor shall remove any thermoplastic markings from sewer manhole covers. The cost will be incidental to the project.
- For additional pavement marking and signing information not shown on this sheet see PCDOT/COT Signing and Marking Standards.
- For information of components and dimensions of crosswalks and bike crossings, see pavement Marking details on Sheet SG02.
- Station and offset values are approximate and based on centerline survey. The contractor shall adjust layouts to conform with field conditions and the details provided in this plan set. The contractor shall get city approval for all work prior to installation.

SG08 OF SG11

KITTELSON & ASSOCIATES
 2 E CONGRESS STREET, SUITE 705
 TUCSON, AZ 85701
 P 520.544.4067 F 520.544.9616



DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION
9TH AVE, 5TH ST, AND 9TH ST BICYCLE BOULEVARDS
 SAINT MARYS RD TO FORT LOWELL RD, 6TH AVE TO EUCLID AVE, AND 4TH AVE TO TREAT AVE
 INTERSECTION SIGNING AND MARKING SHEETS

NO.	DATE	REVISION DESCRIPTION	BY	CHKD.	APPR.

PRELIMINARY
90%
 REVIEW
 NOT FOR
 CONSTRUCTION
 OR RECORDING

APPROVALS	SIGNATORY	DATE	APPROVED	DATE

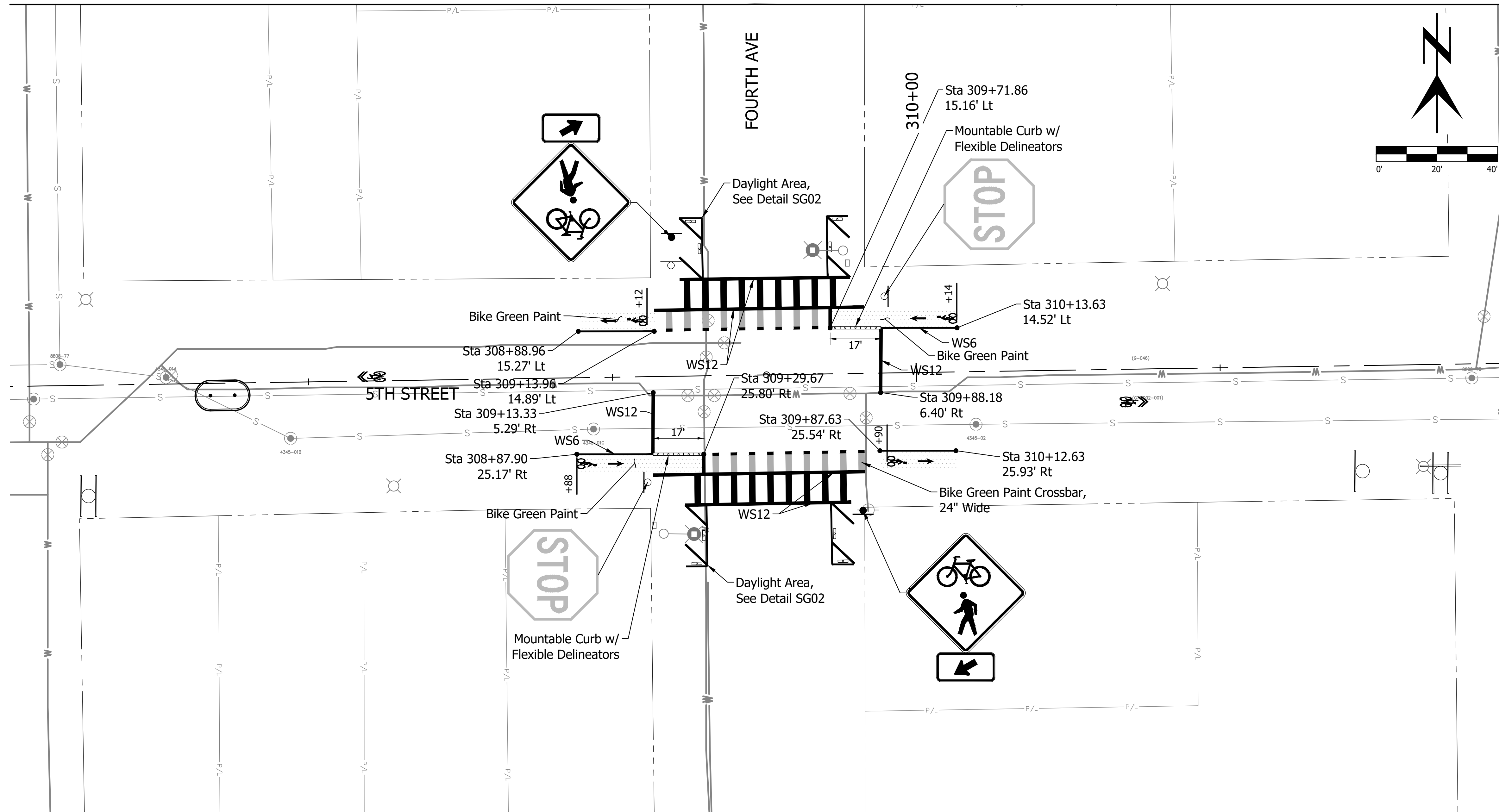
TRANSPORTATION DIRECTOR

REF. _____ SCALE: 1"=20'

DRWN. BY BDH 20 23 DSGN. BY BDH 20 23 CHKD. BY FLG 20 23 PLAN NO. U-2022-006



H:\24\24513 - Tucson Bicycle And Pedestrian On-call\02 - RTA Bicycle Boulevard Package \design\CD\24513.002-CD-06-0-NTX_SGN&MARK.dwg 09-FOURTH Last Saved: Fri, 18 Aug 2023 11:55:51 AM By: Bhehm Plotted: Friday, August 18, 2023 11:55:51 AM

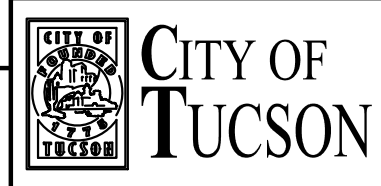


PAVEMENT MARKING AND SIGNING NOTES

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- For information of components and dimensions of crosswalks and bike crossings, see pavement Marking details on Sheet SG02.
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SG09 OF SG11

KITTELSON & ASSOCIATES
 2 E CONGRESS STREET, SUITE 705
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 P 520.544.4067 F 520.544.9616



DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION
9TH AVE, 5TH ST, AND 9TH ST BICYCLE BOULEVARDS
 SAINT MARYS RD TO FORT LOWELL RD, 6TH AVE TO EUCLID AVE, AND 4TH AVE TO TREAT AVE
 INTERSECTION SIGNING AND MARKING SHEETS

NO.	DATE	REVISION DESCRIPTION	BY	CHKD.	APPR.

PRELIMINARY
90%
 REVIEW
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 CONSTRUCTION
 OR RECORDING

APPROVALS	SIGNATORY	DATE	APPROVED	DATE

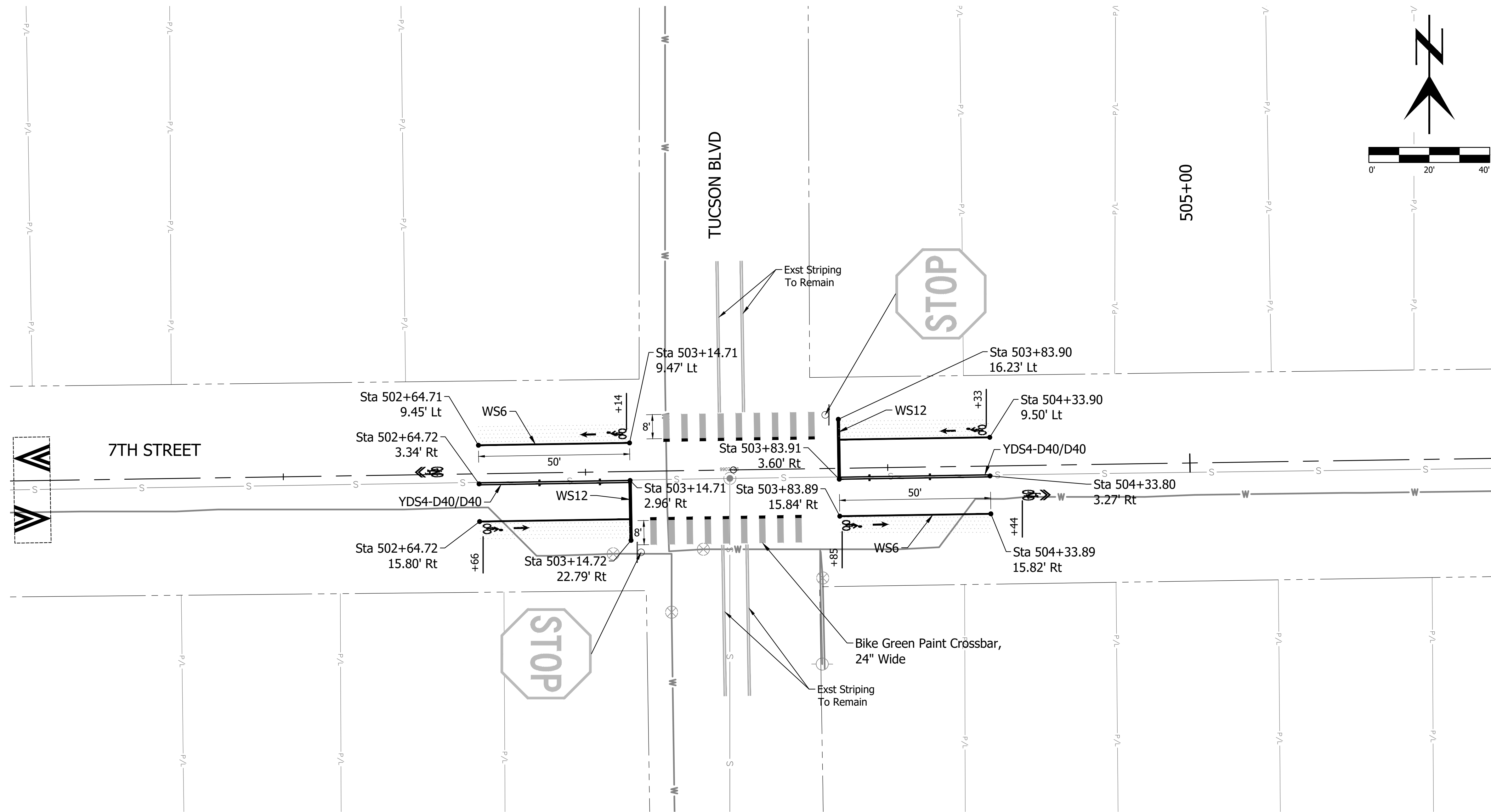
TRANSPORTATION DIRECTOR

REF. _____ SCALE: 1"=20'

DRWN. BY BDH 20 23 DSGN. BY BDH 20 23 CHKD. BY FLG 20 23 PLAN NO. U-2022-006



H:\24\2453.3 - Tucson Bicycle And Pedestrian - Tucson Bicycle Boulevard Package - RTA Bicycle Boulevard Package - Design - CD\2453.3.002-CD-06-0-NTX-SGN&MARK.dwg 11--TUCSON Last Saved: Fri, 18 Aug 2023 11:56:13 AM By: Bhelein Plotted: Friday, August 18, 2023 11:56:13 AM

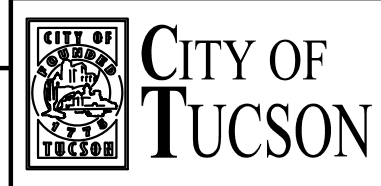


PAVEMENT MARKING AND SIGNING NOTES

1. Contractor shall remove any thermoplastic markings from sewer manhole covers. The cost will be incidental to the project.
2. For additional pavement marking and signing information not shown on this sheet see PCDOT/COT Signing and Marking Standards.
3. For information of components and dimensions of crosswalks and bike crossings, see pavement Marking details on Sheet SG02.
4. Station and offset values are approximate and based on centerline survey. The contractor shall adjust layouts to conform with field conditions and the details provided in this plan set. The contractor shall get city approval for all work prior to installation.

SG11 of SG11

KITTELSON & ASSOCIATES
 2 E CONGRESS STREET, SUITE 705
 TUCSON, AZ 85701
 P 520.544.4067 F 520.544.9616



DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION
9TH AVE, 5TH ST, AND 9TH ST BICYCLE BOULEVARDS
 SAINT MARYS RD TO FORT LOWELL RD, 6TH AVE TO EUCLID AVE, AND 4TH AVE TO TREAT AVE
INTERSECTION SIGNING AND MARKING SHEETS

NO.	DATE	REVISION DESCRIPTION	BY	CHKD.	APPR.

PRELIMINARY
90%
 REVIEW
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 OR RECORDING

APPROVALS	SIGNATORY	DATE	APPROVED	DATE

TRANSPORTATION DIRECTOR
 REF. _____ SCALE: 1"=20'
 PLAN NO. **U-2022-006**



45 OF 74

9TH AVENUE WAYFINDING SIGNS

Station	Offset	Sign Code	Legend	New	Exist			Width (in)	Height (in)	Area (sq. ft.)	Min. Sheeting Type	Number of Posts	Post Type	Total length (ft)	Location / Remarks
					Remove	Remain	Relocate								
98+42	31' Rt	BB-1	Bicycle Boulevard SPEED LIMIT 20	X	-	-	24	48	8.00	XI	1	P-1	12		
98+44	29' Lt	BB-10	Bike Blvd Wayfinding (See SG03)	X	-	-	24	36	6.00	XI	1	P-1	12		
98+93	32' Rt	BB-2	9th Avenue Bike Blvd	X	-	-	24	36	6.00	XI	1	P-1	12		
101+24	25' Rt	BB-1	Bicycle Boulevard SPEED LIMIT 20	X	-	-	24	48	8.00	XI	1	P-1	12		
108+13	23' Lt	BB-2	9th Avenue Bike Blvd	X	-	-	24	36	6.00	XI	1	P-1	12		
108+13	44' Lt	BB-4	9th Street Bike Blvd	X	-	-	24	36	6.00	XI	1	P-1	12		
109+23	554' Lt	BB-14	Bike Blvd Wayfinding (See SG03)	X	-	-	24	36	6.00	XI	1	P-1	12		
110+25	30' Lt	BB-13	Bike Blvd Wayfinding (See SG03)	X	-	-	24	36	6.00	XI	1	P-1	12		
113+39	21' Rt	BB-15	Bike Blvd Wayfinding (See SG03)	X	-	-	24	36	6.00	XI	1	P-1	12		
114+53	549' Rt	BB-12	Bike Blvd Wayfinding (See SG03)	X	-	-	24	36	6.00	XI	1	P-1	12		
114+64	27' Rt	BB-1	Bicycle Boulevard SPEED LIMIT 20	X	-	-	24	48	8.00	XI	1	P-1	12		
114+65	24' Lt	BB-11	Bike Blvd Wayfinding (See SG03)	X	-	-	24	36	6.00	XI	1	P-1	12		
115+14	28' Rt	BB-2	9th Avenue Bike Blvd	X	-	-	24	36	6.00	XI	1	P-1	12		
115+14	50' Rt	BB-2	9th Avenue Bike Blvd	X	-	-	24	36	6.00	XI	1	P-1	12		
117+98	51' Lt	BB-11	Bike Blvd Wayfinding (See SG03)	X	-	-	24	36	6.00	XI	1	P-1	12		
127+34	45' Lt	BB-1	Bicycle Boulevard SPEED LIMIT 20	X	-	-	24	48	8.00	XI	1	P-1	12		
127+84	23' Lt	BB-1	Bicycle Boulevard SPEED LIMIT 20	X	-	-	24	48	8.00	XI	1	P-1	12		
145+08	23' Rt	BB-1	Bicycle Boulevard SPEED LIMIT 20	X	-	-	24	48	8.00	XI	1	P-1	12		
145+57	45' Rt	BB-2	9th Avenue Bike Blvd	X	-	-	24	36	6.00	XI	1	P-1	12		
150+19	24' Rt	BB-9	Bike Blvd Wayfinding (See SG03)	X	-	-	24	36	6.00	XI	1	P-1	12		
151+25	13' Lt	BB-8	Bike Blvd Wayfinding (See SG03)	X	-	-	24	36	6.00	XI	1	P-1	12		
153+97	28' Rt	BB-9	Bike Blvd Wayfinding (See SG03)	X	-	-	24	36	6.00	XI	1	P-1	12		
154+03	48' Lt	BB-2	9th Avenue Bike Blvd	X	-	-	24	36	6.00	XI	1	P-1	12		
154+53	25' Lt	BB-1	Bicycle Boulevard SPEED LIMIT 20	X	-	-	24	48	8.00	XI	1	P-1	12		
155+84	21' Lt	BB-8	Bike Blvd Wayfinding (See SG03)	X	-	-	24	36	6.00	XI	1	P-1	12		
156+00	32' Rt	BB-1	Bicycle Boulevard SPEED LIMIT 20	X	-	-	24	48	8.00	XI	1	P-1	12		
156+49	55' Rt	BB-2	9th Avenue Bike Blvd	X	-	-	24	36	6.00	XI	1	P-1	12		

9TH AVENUE WAYFINDING SIGNS

Station	Offset	Sign Code	Legend	New	Exist			Width (in)	Height (in)	Area (sq. ft.)	Min. Sheeting Type	Number of Posts	Post Type	Total length (ft)	Location / Remarks
					Remove	Remain	Relocate								
184+72	24' Rt	BB-8	Bike Blvd Wayfinding (See SG03)	X	-	-	24	36	6.00	XI	1	P-1	12		
184+72	45' Lt	BB-2	9th Avenue Bike Blvd	X	-	-	24	36	6.00	XI	1	P-1	12		
185+24	22' Lt	BB-1	Bicycle Boulevard SPEED LIMIT 20	X	-	-	24	48	8.00	XI	1	P-1	12		
185+60	304' Lt	BB-9	Bike Blvd Wayfinding (See SG03)	X	-	-	24	36	6.00	XI	1	P-1	12		
185+66	322' Lt	BB-8	Bike Blvd Wayfinding (See SG03)	X	-	-	24	36	6.00	XI	1	P-1	12		
185+79	51' Lt	BB-9	Bike Blvd Wayfinding (See SG03)	X	-	-	24	36	6.00	XI	1	P-1	12		
188+83	146' Lt	BB-9	Bike Blvd Wayfinding (See SG03)	X	-	-	24	36	6.00	XI	1	P-1	12		
188+91	48' Lt	BB-8	Bike Blvd Wayfinding (See SG03)	X	-	-	24	36	6.00	XI	1	P-1	12		
188+98	131' Lt	BB-8	Bike Blvd Wayfinding (See SG03)	X	-	-	24	36	6.00	XI	1	P-1	12		
189+60	21' Lt	BB-8	Bike Blvd Wayfinding (See SG03)	X	-	-	24	36	6.00	XI	1	P-1	12		
189+94	21' Rt	BB-1	Bicycle Boulevard SPEED LIMIT 20	X	-	-	24	48	8.00	XI	1	P-1	12		
190+44	44' Rt	BB-2	9th Avenue Bike Blvd	X	-	-	24	36	6.00	XI	1	P-1	12		
203+26	44' Rt	BB-2	9th Avenue Bike Blvd	X	-	-	24	36	6.00	XI	1	P-1	12		
213+56	45' Lt	BB-2	9th Avenue Bike Blvd	X	-	-	24	36	6.00	XI	1	P-1	12		
214+05	22' Lt	BB-1	Bicycle Boulevard SPEED LIMIT 20	X	-	-	24	48	8.00	XI	1	P-1	12		
216+49	22' Rt	BB-1	Bicycle Boulevard SPEED LIMIT 20	X	-	-	24	48	8.00	XI	1	P-1	12		
216+99	45' Rt	BB-2	9th Avenue Bike Blvd	X	-	-	24	36	6.00	XI	1	P-1	12		
225+86	44' Lt	BB-2	9th Avenue Bike Blvd	X	-	-	24	36	6.00	XI	1	P-1	12		
226+36	21' Lt	BB-1	Bicycle Boulevard SPEED LIMIT 20	X	-	-	24	48	8.00	XI	1	P-1	12		
227+15	22' Rt	BB-16	Bike Blvd Wayfinding (See SG03)	X	-	-	24	36	6.00	XI	1	P-1	12		
227+99	738' Lt	BB-17	Bike Blvd Wayfinding (See SG03)	X	-	-	24	36	6.00	XI	1	P-1	12		
229+54	37' Lt	BB-18	Bike Blvd Wayfinding (See SG03)	X	-	-	24	36	6.00	XI	1	P-1	12		
233+56	16' Rt	BB-18	Bike Blvd Wayfinding (See SG03)	X	-	-	24	36	6.00	XI	1	P-1	12		
235+13	734' Rt	BB-17	Bike Blvd Wayfinding (See SG03)	X	-	-	24	36	6.00	XI	1	P-1	12		
235+64	21' Rt	BB-1	Bicycle Boulevard SPEED LIMIT 20	X	-	-	24	48	8.00	XI	1	P-1	12		
235+98	24' Lt	BB-16	Bike Blvd Wayfinding (See SG03)	X	-	-	24	36	6.00	XI	1	P-1	12		
236+13	44' Rt	BB-2	9th Avenue Bike Blvd	X	-	-	24	36	6.00	XI	1	P-1	12		

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Notes

- Station and offset values are approximate and based on centerline survey. The contractor shall adjust layouts to conform with field conditions and the details provided in this plan set. The contractor shall get city approval for all work prior to installation.

SM01 OF SM01



DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION
 9TH AVE, 5TH ST, AND 9TH ST BICYCLE BOULEVARDS
 SAINT MARYS RD TO FORT LOWELL RD, 6TH AVE TO EUCLID AVE, AND 4TH AVE TO TREAT AVE
 SIGN SUMMARY SHEETS

NO.	DATE	REVISION DESCRIPTION	BY	CHKD.	APPR.

PRELIMINARY
90%
 REVIEW
 NOT FOR
 CONSTRUCTION
 OR RECORDING

APPROVALS	SIGNATORY	DATE	APPROVED	DATE

REF. _____ SCALE: _____
 DRWN. BY BDH 20 23 DSGN. BY BDH 20 23 CHKD. BY FLG 20 23 PLAN NO. U-2022-006



5TH STREET WAYFINDING SIGNS

Station	Offset	Sign Code	Legend	New	Exist			Width (in)	Height (in)	Area (sq. ft.)	Min. Sheeting Type	Number of Posts	Post Type	Total length (ft)	Location / Remarks
					Remove	Remain	Relocate								
301+28	34' Rt	BB-1	Bicycle Boulevard SPEED LIMIT 20	X	-	-	24	48	8.00	XI	1	P-1	12		
301+93	57' Rt	BB-3	5th Street Bike Blvd	X	-	-	24	36	6.00	XI	1	P-1	12		
308+38	27' Lt	BB-1	Bicycle Boulevard SPEED LIMIT 20	X	-	-	24	48	8.00	XI	1	P-1	12		
310+78	36' Rt	BB-1	Bicycle Boulevard SPEED LIMIT 20	X	-	-	24	48	8.00	XI	1	P-1	12		
311+28	59' Rt	BB-3	5th Street Bike Blvd	X	-	-	24	36	6.00	XI	1	P-1	12		
327+30	49' Lt	BB-3	5th Street Bike Blvd	X	-	-	24	36	6.00	XI	1	P-1	12		
327+68	27' Lt	BB-1	Bicycle Boulevard SPEED LIMIT 20	X	-	-	24	48	8.00	XI	1	P-1	12		
328+80	3' Lt	BB-7	Bike Blvd TOUCAN	X	-	-	120	18	15.00	XI	-	-	-		

9TH STREET WAYFINDING SIGNS

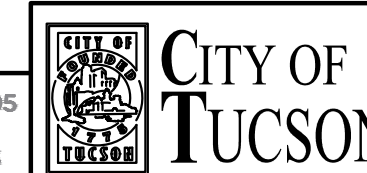
Station	Offset	Sign Code	Legend	New	Exist			Width (in)	Height (in)	Area (sq. ft.)	Min. Sheeting Type	Number of Posts	Post Type	Total length (ft)	Location / Remarks
					Remove	Remain	Relocate								
401+62	26' Lt	BB-19	Bike Blvd Wayfinding (See SG03)	X	-	-	24	36	6.00	XI	1	P-1	12		
401+84	36' Rt	BB-1	Bicycle Boulevard SPEED LIMIT 20	X	-	-	24	48	8.00	XI	1	P-1	12		
402+70	35' Rt	BB-4	9th Street Bike Blvd	X	-	-	24	36	6.00	XI	1	P-1	12		
404+26	33' Rt	BB-20	Bike Blvd Wayfinding (See SG03)	X	-	-	24	36	6.00	XI	1	P-1	12		
405+17	25' Lt	BB-21	Bike Blvd Wayfinding (See SG03)	X	-	-	24	36	6.00	XI	1	P-1	12		
417+09	48' Lt	BB-3	5th Street Bike Blvd	X	-	-	24	36	6.00	XI	1	P-1	12		
417+52	26' Lt	BB-1	Bicycle Boulevard SPEED LIMIT 20	X	-	-	24	48	8.00	XI	1	P-1	12		
418+63	10' Rt	BB-7	Bike Blvd TOUCAN	X	-	-	120	18	15.00	XI	-	-	-		
		SPECIAL	Metro Style Bike Crossing See TS07	X	-	-	96	18	12.00	XI	-	-	-		
419+25	3' Lt	SPECIAL	Metro Style Bike Crossing See TS07	X	-	-	96	18	12.00	XI	-	-	-		
421+01	36' Rt	BB-1	Bicycle Boulevard SPEED LIMIT 20	X	-	-	24	48	8.00	XI	1	P-1	12		
421+42	57' Rt	BB-4	9th Street Bike Blvd	X	-	-	24	36	6.00	XI	1	P-1	12		
428+99	37' Lt	BB-4	9th Street Bike Blvd	X	-	-	24	36	6.00	XI	1	P-1	12		
443+30	48' Lt	BB-4	9th Street Bike Blvd	X	-	-	24	36	6.00	XI	1	P-1	12		
443+79	34' Rt	BB-22	Bike Blvd Wayfinding (See SG03)	X	-	-	24	36	6.00	XI	1	P-1	12		
443+79	26' Lt	BB-1	Bicycle Boulevard SPEED LIMIT 20	X	-	-	24	48	8.00	XI	1	P-1	12		
445+99	35' Rt	BB-1	Bicycle Boulevard SPEED LIMIT 20	X	-	-	24	48	8.00	XI	1	P-1	12		
446+00	26' Lt	BB-1	Bicycle Boulevard SPEED LIMIT 20	X	-	-	24	48	8.00	XI	1	P-1	12		
446+57	58' Rt	BB-4	9th Street Bike Blvd	X	-	-	24	36	6.00	XI	1	P-1	12		
465+15	50' Lt	BB-4	9th Street Bike Blvd	X	-	-	24	36	6.00	XI	1	P-1	12		
465+57	28' Lt	BB-1	Bicycle Boulevard SPEED LIMIT 20	X	-	-	24	48	8.00	XI	1	P-1	12		
466+43	45' Rt	BB-7	Bike Blvd TOUCAN	X	-	-	120	18	15.00	XI	-	-	-		
468+43	40' Rt	BB-1	Bicycle Boulevard SPEED LIMIT 20	X	-	-	24	48	8.00	XI	1	P-1	12		
479+03	20' Lt	BB-1	Bicycle Boulevard SPEED LIMIT 20	X	-	-	24	48	8.00	XI	-	-	-		
		R2-1(25)	SPEED LIMIT 25	-	X	-	30	36	7.50	XI	-	-	-	REMOVE	
480+15	19' Lt	D11-1	Bike Route	-	X	-	24	18	3.00	XI	-	-	-	REMOVE	
		BB-4	9th Street Bike Blvd	X	-	-	24	36	6.00	XI	-	-	-		

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Notes

- Station and offset values are approximate and based on centerline survey. The contractor shall adjust layouts to conform with field conditions and the details provided in this plan set. The contractor shall get city approval for all work prior to installation.

SM02 OF SM01



DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION
 9TH AVE, 5TH ST, AND 9TH ST BICYCLE BOULEVARDS
 SAINT MARYS RD TO FORT LOWELL RD, 6TH AVE TO EUCLID AVE, AND 4TH AVE TO TREAT AVE
 SIGN SUMMARY SHEETS



NO.	DATE	REVISION DESCRIPTION	BY	CHKD.	APPR.

PRELIMINARY
90%
 REVIEW
 NOT FOR
 CONSTRUCTION
 OR RECORDING

APPROVALS	SIGNATORY	DATE	APPROVED	DATE

TRANSPORTATION DIRECTOR

REF. _____ SCALE: _____

DRWN. BY BDH 20 23 DSGN. BY BDH 20 23 CHKD. BY FLG 20 23 PLAN NO. U-2022-006

47
OF
74

9TH STREET WAYFINDING SIGNS

Station	Offset	Sign Code	Legend	New	Exist			Width (in)	Height (in)	Area (sq. ft.)	Min. Sheeting Type	Number of Posts	Post Type	Total length (ft)	Location / Remarks
					Remove	Remain	Relocate								
480+21	30' Rt	BB-8	Bike Blvd Wayfinding (See SG03)	X	-	-	-	24	36	6.00	XI	1	P-1	12	
481+99	22' Lt	BB-9	Bike Blvd Wayfinding (See SG03)	X	-	-	-	24	36	6.00	XI	-	-	-	
		D11-1	Bike Route	-	X	-	-	24	18	3.00	XI	-	-	-	REMOVE
489+19	19' Rt	BB-9	Bike Blvd Wayfinding (See SG03)	X	-	-	-	24	36	6.00	XI	1	P-1	12	
491+38	28' Rt	BB-1	Bicycle Boulevard SPEED LIMIT 20	X	-	-	-	24	48	8.00	XI	1	P-1	12	
491+66	20' Lt	BB-8	Bike Blvd Wayfinding (See SG03)	X	-	-	-	24	36	6.00	XI	1	P-1	12	
491+88	28' Rt	BB-4	9th Street Bike Blvd	X	-	-	-	24	36	6.00	XI	1	P-1	12	
502+10	23' Lt	BB-4	9th Street Bike Blvd	X	-	-	-	24	36	6.00	XI	1	P-1	12	
502+60	22' Lt	BB-1	Bicycle Boulevard SPEED LIMIT 20	X	-	-	-	24	48	8.00	XI	1	P-1	12	
504+32	27' Rt	BB-1	Bicycle Boulevard SPEED LIMIT 20	X	-	-	-	24	48	8.00	XI	1	P-1	12	
504+82	28' Rt	BB-4	9th Street Bike Blvd	X	-	-	-	24	36	6.00	XI	1	P-1	12	
515+14	21' Lt	BB-4	9th Street Bike Blvd	X	-	-	-	24	36	6.00	XI	1	P-1	12	
515+71	33' Rt	BB-24	Bike Blvd Wayfinding (See SG03)	X	-	-	-	24	36	6.00	XI	1	P-1	12	
515+82	19' Lt	BB-1	Bicycle Boulevard SPEED LIMIT 20	X	-	-	-	24	48	8.00	XI	1	P-1	12	
516+36	69' Lt	BB-26	Bike Blvd Wayfinding (See SG03)	X	-	-	-	24	36	6.00	XI	1	P-1	12	
516+85	79' Rt	BB-25	Bike Blvd Wayfinding (See SG03)	X	-	-	-	24	36	6.00	XI	1	P-1	12	

H:\24\24513 - Tucson Bicycle And Pedestrian On-call\02 - RTA Bicycle Boulevard Package \design\CD\24513.002-CD-07-0-SGN-SUM.dwg 03 Last Saved: Fri, 18 Aug 2023 17:46:18

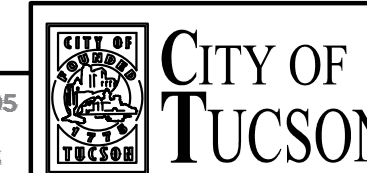
Notes

- Station and offset values are approximate and based on centerline survey. The contractor shall adjust layouts to conform with field conditions and the details provided in this plan set. The contractor shall get city approval for all work prior to installation.

SM03 OF SM01



2 E CONGRESS STREET, SUITE 705
TUCSON, AZ 85701
P 520.544.4067 F 520.544.9616



DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION
9TH AVE, 5TH ST, AND 9TH ST BICYCLE BOULEVARDS
 SAINT MARYS RD TO FORT LOWELL RD, 6TH AVE TO EUCLID AVE, AND 4TH AVE TO TREAT AVE
SIGN SUMMARY SHEETS

NO.	DATE	REVISION DESCRIPTION	BY	CHKD.	APPR.

PRELIMINARY
90%
 REVIEW
 NOT FOR
 CONSTRUCTION
 OR RECORDING

APPROVALS	SIGNATORY	DATE	APPROVED _____ 20__
			48
			OF
			74
			TRANSPORTATION DIRECTOR
			REF. _____ SCALE: _____
			PLAN NO. U-2022-006



Central Arizona 911 at least two full working days before you begin excavation
 Call 911 or visit Arizona911.com

DRWN. BY BDH 20 23 DSGN. BY BDH 20 23 CHKD. BY FLG 20 23 PLAN NO. **U-2022-006**

9TH AVENUE REGULATORY SIGNS

Station	Offset	Sign Code	Legend	New	Exist			Width (in)	Height (in)	Area (sq. ft.)	Min. Sheeting Type	Number of Posts	Post Type	Total length (ft)	Location / Remarks
					Remove	Remain	Relocate								
99+57	29' Rt	SPRO4-10	KEEP RIGHT	X	-	-	18	24	3	XI	-	-	-		
		R1-2	Yield	-	X	-	30	30	6.25	XI	-	-	-	REMOVE	
99+82	55' Lt	R1-1	Stop	X	-	-	30	30	6.25	XI	-	-	-		
		SPRO4-10	KEEP RIGHT	-	-	X	18	24	3	XI	-	-	-	REMAIN	
		R1-2	Yield	-	X	-	30	30	6.25	XI	-	-	-	REMOVE	
100+25	43' Rt	R1-1	Stop	X	-	-	30	30	6.25	XI	-	-	-		
		SPRO4-10	KEEP RIGHT	-	-	X	18	24	3	XI	-	-	-	REMAIN	
		R1-2	Yield	-	X	-	30	30	6.25	XI	-	-	-	REMOVE	
100+33	29' Lt	SPRO4-10	KEEP RIGHT	X	-	-	18	24	3	XI	-	-	-		
		R1-2	Yield	-	X	-	30	30	6.25	XI	-	-	-	REMOVE	
104+35	27' Rt	R1-2	Yield	-	X	-	30	30	6.25	XI	-	-	-	REMOVE	
		SPRO4-10	KEEP RIGHT	X	-	-	18	24	3	XI	-	-	-		
104+57	53' Lt	SPRO4-10	KEEP RIGHT	-	-	X	18	24	3	XI	-	-	-	REMAIN	
		R1-2	Yield	-	X	-	30	30	6.25	XI	-	-	-	REMOVE	
		R1-1	Stop	X	-	-	30	30	6.25	XI	-	-	-		
105+02	31' Rt	R1-1	Stop	X	-	-	30	30	6.25	XI	-	-	-		
		SPRO4-10	KEEP RIGHT	-	-	X	18	24	3	XI	-	-	-	REMAIN	
		R1-2	Yield	-	X	-	30	30	6.25	XI	-	-	-	REMOVE	
105+08	23' Lt	SPRO4-10	KEEP RIGHT	X	-	-	18	24	3	XI	-	-	-		
		R1-2	Yield	-	X	-	30	30	6.25	XI	-	-	-	REMOVE	
105+75	22' Rt	W17-1 Mod	Speed Humps Ahead	X	-	-	30	30	6.25	XI	1	P-1	12		
		W13-1P (15)	Advisory Speed 15 MPH	X	-	-	18	18	2.25	XI	-	-	-		
109+08	21' Rt	R1-2	Yield	-	X	-	30	30	6.25	XI	-	-	-	REMOVE	
		W4-4P	CROSS TRAFFIC DOES NOT STOP (plaque)	X	-	-	24	12	2	XI	-	-	-		
		SPRO4-10	KEEP RIGHT	-	-	X	18	24	3	XI	-	-	-	REMAIN	
		R1-1	Stop	X	-	-	30	30	6.25	XI	1	P-1	13	INSTALL NEW POST	
109+31	511' Lt	R1-2	Yield	-	X	-	30	30	6.25	XI	-	-	-	REMOVE	
		SPRO4-10	KEEP RIGHT	-	-	X	18	24	3	XI	-	-	-	REMAIN	
109+63	51' Rt	W4-4P	CROSS TRAFFIC DOES NOT STOP (plaque)	X	-	-	24	12	2	XI	-	-	-		
		R1-1	Stop	X	-	-	30	30	6.25	XI	1	P-1	13	INSTALL NEW POST	
		SPRO4-10	KEEP RIGHT	-	-	X	18	24	3	XI	-	-	-	REMAIN	
		R1-2	Yield	-	X	-	30	30	6.25	XI	-	-	-	REMOVE	
109+97	16' Lt	SPRO4-10	KEEP RIGHT	-	-	X	18	24	3	XI	-	-	-	REMAIN	
		R1-2	Yield	-	X	-	30	30	6.25	XI	-	-	-	REMOVE	
111+42	17' Rt	W17-1 Mod	Speed Humps Ahead	X	-	-	30	30	6.25	XI	1	P-1	12		
		W13-1P (15)	Advisory Speed 15 MPH	X	-	-	18	18	2.25	XI	-	-	-		
111+73	28' Lt	R1-1	Stop	-	-	X	30	30	6.25	XI	-	-	-	REMAIN	

9TH AVENUE REGULATORY SIGNS

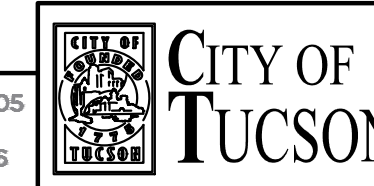
Station	Offset	Sign Code	Legend	New	Exist			Width (in)	Height (in)	Area (sq. ft.)	Min. Sheeting Type	Number of Posts	Post Type	Total length (ft)	Location / Remarks
					Remove	Remain	Relocate								
112+04	19' Rt	R1-1	Stop	-	-	X	30	30	6.25	XI	-	-	-	REMAIN	
113+74	28' Lt	W17-1 Mod	Speed Humps Ahead	X	-	-	30	30	6.25	XI	1	P-1	12		
		W13-1P (15)	Advisory Speed 15 MPH	X	-	-	18	18	2.25	XI	-	-	-		
113+82	7' Rt	R1-2	Yield	-	X	-	30	30	6.25	XI	-	-	-	REMOVE	
		SPRO4-10	KEEP RIGHT	X	-	-	18	24	3	XI	-	-	-		
114+02	38' Lt	R1-2	Yield	-	X	-	30	30	6.25	XI	-	-	-	REMOVE	
		SPRO4-10	KEEP RIGHT	-	-	X	18	24	3	XI	-	-	-	REMAIN	
		W4-4P	CROSS TRAFFIC DOES NOT STOP (plaque)	X	-	-	24	12	2	XI	-	-	-		
		R1-1	Stop	X	-	-	30	30	6.25	XI	1	P-1	13	INSTALL NEW POST	
114+55	20' Lt	R1-2	Yield	-	X	-	30	30	6.25	XI	-	-	-	REMOVE	
		W4-4P	CROSS TRAFFIC DOES NOT STOP (plaque)	X	-	-	24	12	2	XI	-	-	-		
		R1-1	Stop	X	-	-	30	30	6.25	XI	1	P-1	13	INSTALL NEW POST	
		SPRO4-10	KEEP RIGHT	-	-	X	18	24	3	XI	-	-	-	REMAIN	
115+60	56' Rt	R3-5R	Right Turn Only	X	-	-	30	36	7.5	XI	-	-	-		
115+89	29' Rt	W17-1 Mod	Speed Humps Ahead	X	-	-	30	30	6.25	XI	1	P-1	12		
		W13-1P (15)	Advisory Speed 15 MPH	X	-	-	18	18	2.25	XI	-	-	-		
117+98	23' Lt	W17-1 Mod	Speed Humps Ahead	X	-	-	30	30	6.25	XI	1	P-1	12		
		W13-1P (15)	Advisory Speed 15 MPH	X	-	-	18	18	2.25	XI	-	-	-		
118+65	22' Rt	R1-2	Yield	-	X	-	30	30	6.25	XI	-	-	-	REMOVE	
		SPRO4-10	KEEP RIGHT	-	-	X	18	24	3	XI	-	-	-	REMAIN	
118+84	44' Lt	SPRO4-10	KEEP RIGHT	-	-	X	18	24	3	XI	-	-	-	REMAIN	
		R1-1	Stop	X	-	-	30	30	6.25	XI	1	P-1	13	INSTALL NEW POST	
		R1-2	Yield	-	X	-	30	30	6.25	XI	-	-	-	REMOVE	
		W4-4P	CROSS TRAFFIC DOES NOT STOP (plaque)	X	-	-	24	12	2	XI	-	-	-		
119+15	32' Rt	SPRO4-10	KEEP RIGHT	-	-	X	18	24	3	XI	-	-	-	REMAIN	
		W4-4P	CROSS TRAFFIC DOES NOT STOP (plaque)	X	-	-	24	12	2	XI	-	-	-		
		R1-2	Yield	-	X	-	30	30	6.25	XI	-	-	-	REMOVE	
		R1-1	Stop	X	-	-	30	30	6.25	XI	1	P-1	13	INSTALL NEW POST	
119+42	12' Lt	SPRO4-10	KEEP RIGHT	-	-	X	18	24	3	XI	-	-	-	REMAIN	
		R1-2	Yield	-	X	-	30	30	6.25	XI	-	-	-	REMOVE	
123+43	22' Rt	R1-2	Yield	-	-	X	30	30	6.25	XI	-	-	-	REMAIN	
123+94	43' Rt	D11-1	Bike Route	-	X	-	24	18	3	XI	-	-	-	REMOVE	
124+01	22' Lt	R1-2	Yield	-	-	X	30	30	6.25	XI	-	-	-	REMAIN	
124+04	22' Rt	W17-1	Speed Hump Ahead	-	-	-	30	30	6.25	XI	-	-	-	REPLACE	
		W13-1P	Advisory Speed 15 MPH	-	-	-	18	18	2.25	XI	-	-	-	REPLACE	

H:\24\24513 - Tucson Bicycle And Pedestrian On-call\002 - RTA Bicycle Boulevard Package \Design\CD\24513.002-CD-07-0-SIGN-SUM.dwg 04 Last Saved: Fri, 18 Aug 2023 17:46:19 By:Bheirn Plotted: Friday, August 18, 2023 17:46:19

Notes

- Station and offset values are approximate and based on centerline survey. The contractor shall adjust layouts to conform with field conditions and the details provided in this plan set. The contractor shall get city approval for all work prior to installation.

SM04 OF SM01



DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION
 9TH AVE, 5TH ST, AND 9TH ST BICYCLE BOULEVARDS
 SAINT MARYS RD TO FORT LOWELL RD, 6TH AVE TO EUCLID AVE, AND 4TH AVE TO TREAT AVE
 SIGN SUMMARY SHEETS

<p>PRELIMINARY 90% REVIEW NOT FOR CONSTRUCTION OR RECORDING</p>						APPROVALS SIGNATORY DATE	APPROVED _____ 20__ OF 74 TRANSPORTATION DIRECTOR REF. _____ SCALE: _____
NO.	DATE	REVISION DESCRIPTION	BY	CHKD.	APPR.	DRWN. BY <u>BDH</u> 20 <u>23</u>	DSGN. BY <u>BDH</u> 20 <u>23</u> CHKD. BY <u>FLG</u> 20 <u>23</u> PLAN NO. <u>U-2022-006</u>

9TH AVENUE REGULATORY SIGNS

Station	Offset	Sign Code	Legend	New	Exist			Width (in)	Height (in)	Area (sq. ft.)	Min. Sheeting Type	Number of Posts	Post Type	Total length (ft)	Location / Remarks
					Remove	Remain	Relocate								
142+34	22' Rt	R1-1	Stop	-	-	X	-	30	30	6.25	XI	-	-	-	REMAIN
142+48	40' Lt	W11-15	Bicycle & Pedestrian	X	-	-	-	30	30	6.25	XI	1	P-1	12	
		W16-7P (Lt)	Downward Diagonal Arrow (plaque)	X	-	-	-	24	12	2	XI	-	-	-	
143+03	40' Rt	W11-15	Bicycle & Pedestrian	X	-	-	-	30	30	6.25	XI	1	P-1	12	
		W16-7P (Lt)	Downward Diagonal Arrow (plaque)	X	-	-	-	24	12	2	XI	-	-	-	
143+18	27' Lt	R1-1	Stop	-	-	X	-	30	30	6.25	XI	-	-	-	REMAIN
146+19	51' Lt	SPRO4-10	KEEP RIGHT	X	-	-	-	18	24	3	XI	1	P-1	12	
146+40	19' Rt	SPRO4-10	KEEP RIGHT	X	-	-	-	18	24	3	XI	-	-	-	
		R1-2	Yield	-	X	-	-	30	30	6.25	XI	-	-	-	REMOVE
146+54	34' Lt	R1-1	Stop	X	-	-	-	30	30	6.25	XI	1	P-1	13	
		SPRO4-10	KEEP RIGHT	X	-	-	-	18	24	3	XI	-	-	-	
		W4-4P	CROSS TRAFFIC DOES NOT STOP (plaque)	X	-	-	-	24	12	2	XI	-	-	-	
146+93	35' Rt	SPRO4-10	KEEP RIGHT	X	-	-	-	18	24	3	XI	-	-	-	
		W4-4P	CROSS TRAFFIC DOES NOT STOP (plaque)	X	-	-	-	24	12	2	XI	-	-	-	
		R1-1	Stop	X	-	-	-	30	30	6.25	XI	1	P-1	13	
147+06	21' Lt	SPRO4-10	KEEP RIGHT	X	-	-	-	18	24	3	XI	-	-	-	
		R1-2	Yield	-	X	-	-	30	30	6.25	XI	-	-	-	REMOVE
148+82	500' Rt	R8-3	No Parking (symbol)	X	-	-	-	24	24	4	XI	1	P-1	12	
154+60	65' Rt	SPRO4-10	KEEP RIGHT	X	-	-	-	18	24	3	XI	1	P-1	12	
154+74	28' Rt	R1-1	Stop	-	-	X	-	30	30	6.25	XI	-	-	-	REMAIN
154+79	51' Rt	R8-3	No Parking (symbol)	X	-	-	-	24	24	4	XI	1	P-1	12	
155+21	33' Rt	R1-1	Stop	-	-	X	-	30	30	6.25	XI	-	-	-	REMAIN
158+59	22' Rt	R1-1	Stop	-	X	-	-	30	30	6.25	XI	-	-	-	REMOVE
158+72	37' Lt	R1-1	Stop	X	-	-	-	30	30	6.25	XI	1	P-1	12	
159+16	33' Rt	R1-1	Stop	X	-	-	-	30	30	6.25	XI	1	P-1	12	
159+30	20' Lt	R1-1	Stop	-	X	-	-	30	30	6.25	XI	-	-	-	REMOVE
162+51	20' Rt	SPRO4-10	KEEP RIGHT	X	-	-	-	18	24	3	XI	1	P-1	12	
162+67	32' Lt	W4-4P	CROSS TRAFFIC DOES NOT STOP (plaque)	X	-	-	-	24	12	2	XI	-	-	-	
		SPRO4-10	KEEP RIGHT	X	-	-	-	18	24	3	XI	-	-	-	
		R1-1	Stop	-	-	X	-	30	30	6.25	XI	1	P-1	13	INSTALL NEW POST

9TH AVENUE REGULATORY SIGNS

Station	Offset	Sign Code	Legend	New	Exist			Width (in)	Height (in)	Area (sq. ft.)	Min. Sheeting Type	Number of Posts	Post Type	Total length (ft)	Location / Remarks
					Remove	Remain	Relocate								
163+08	36' Rt	W4-4P	CROSS TRAFFIC DOES NOT STOP (plaque)	X	-	-	-	24	12	2	XI	-	-	-	
		R1-1	Stop	-	-	X	-	30	30	6.25	XI	1	P-1	13	INSTALL NEW POST
		SPRO4-10	KEEP RIGHT	X	-	-	-	18	24	3	XI	-	-	-	
163+25	21' Lt	SPRO4-10	KEEP RIGHT	X	-	-	-	18	24	3	XI	1	P-1	12	
166+62	40' Lt	R1-2	Yield	-	-	X	-	30	30	6.25	XI	-	-	-	REMAIN
167+04	32' Rt	R1-2	Yield	-	-	X	-	30	30	6.25	XI	-	-	-	REMAIN
170+43	21' Rt	SPRO4-10	KEEP RIGHT	X	-	-	-	18	24	3	XI	-	-	-	
		R1-2	Yield	-	X	-	-	30	30	6.25	XI	-	-	-	REMOVE
170+56	38' Lt	R1-1	Stop	X	-	-	-	30	30	6.25	XI	1	P-1	13	
		SPRO4-10	KEEP RIGHT	X	-	-	-	18	24	3	XI	-	-	-	
		W4-4P	CROSS TRAFFIC DOES NOT STOP (plaque)	X	-	-	-	24	12	2	XI	-	-	-	
170+97	39' Rt	W4-4P	CROSS TRAFFIC DOES NOT STOP (plaque)	X	-	-	-	24	12	2	XI	-	-	-	
		SPRO4-10	KEEP RIGHT	X	-	-	-	18	24	3	XI	-	-	-	
		R1-1	Stop	X	-	-	-	30	30	6.25	XI	1	P-1	13	
171+14	22' Lt	SPRO4-10	KEEP RIGHT	X	-	-	-	18	24	3	XI	-	-	-	
		R1-2	Yield	-	X	-	-	30	30	6.25	XI	-	-	-	REMOVE
174+37	20' Rt	R1-1	Stop	-	X	-	-	30	30	6.25	XI	-	-	-	REMOVE
174+48	37' Lt	R1-1	Stop	X	-	-	-	30	30	6.25	XI	1	P-1	12	
174+92	37' Rt	R1-1	Stop	X	-	-	-	30	30	6.25	XI	1	P-1	12	
175+06	21' Lt	R1-1	Stop	-	X	-	-	30	30	6.25	XI	-	-	-	REMOVE
178+24	19' Rt	SPRO4-10	KEEP RIGHT	X	-	-	-	18	24	3	XI	1	P-1	12	
178+44	34' Lt	R1-1	Stop	-	-	X	-	30	30	6.25	XI	1	P-1	13	INSTALL NEW POST
		SPRO4-10	KEEP RIGHT	X	-	-	-	18	24	3	XI	-	-	-	
		W4-4P	CROSS TRAFFIC DOES NOT STOP (plaque)	X	-	-	-	24	12	2	XI	-	-	-	
178+85	35' Rt	SPRO4-10	KEEP RIGHT	X	-	-	-	18	24	3	XI	-	-	-	
		W4-4P	CROSS TRAFFIC DOES NOT STOP (plaque)	X	-	-	-	24	12	2	XI	-	-	-	
		R1-1	Stop	-	-	X	-	30	30	6.25	XI	1	P-1	13	INSTALL NEW POST
179+08	21' Lt	SPRO4-10	KEEP RIGHT	X	-	-	-	18	24	3	XI	1	P-1	12	
182+22	22' Rt	R1-2	Yield	-	X	-	-	30	30	6.25	XI	-	-	-	REMOVE
182+38	35' Lt	R1-1	Stop	X	-	-	-	30	30	6.25	XI	1	P-1	12	
		W4-4P	CROSS TRAFFIC DOES NOT STOP (plaque)	X	-	-	-	24	12	2	XI	-	-	-	
182+81	35' Rt	R1-1	Stop	X	-	-	-	30	30	6.25	XI	1	P-1	12	
		W4-4P	CROSS TRAFFIC DOES NOT STOP (plaque)	X	-	-	-	24	12	2	XI	-	-	-	

H:\24\24513 - Tucson Bicycle And Pedestrian - RTA Bicycle Boulevard Package - On-call\002 - RTA Bicycle Boulevard Package - Design\CD\24513\002-CD-07-0-SIGN-SUM.dwg 05 Last Saved: Fri, 18 Aug 2023 17:46:21 By:Bheirn Plotted: Friday, August 18, 2023 17:46:21

Notes

- Station and offset values are approximate and based on centerline survey. The contractor shall adjust layouts to conform with field conditions and the details provided in this plan set. The contractor shall get city approval for all work prior to installation.

SM05 OF SM01



DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION
 9TH AVE, 5TH ST, AND 9TH ST BICYCLE BOULEVARDS
 SAINT MARYS RD TO FORT LOWELL RD, 6TH AVE TO EUCLID AVE, AND 4TH AVE TO TREAT AVE
 SIGN SUMMARY SHEETS

NO.	DATE	REVISION DESCRIPTION	BY	CHKD.	APPR.

PRELIMINARY
90%
 REVIEW
 NOT FOR
 CONSTRUCTION
 OR RECORDING

APPROVALS	SIGNATORY	DATE	APPROVED	DATE

TRANSPORTATION DIRECTOR

REF. _____ SCALE: _____

DRWN. BY BDH 20 23 DSGN. BY BDH 20 23 CHKD. BY FLG 20 23 PLAN NO. U-2022-006



9TH AVENUE REGULATORY SIGNS

Station	Offset	Sign Code	Legend	New	Exist			Width (in)	Height (in)	Area (sq. ft.)	Min. Sheeting Type	Number of Posts	Post Type	Total length (ft)	Location / Remarks
					Remove	Remain	Relocate								
182+89	21' Lt	R1-2	Yield	-	X	-	-	30	30	6.25	XI	-	-	-	REMOVE
185+37	233' Lt	R9-6	Bicycles Yield to Peds	X	-	-	-	12	18	1.5	XI	1	P-1	12	
185+86	22' Rt	R1-1	Stop	-	-	X	-	30	30	6.25	XI	-	-	-	REMAIN
		R6-1 (Rt)	ONE WAY	-	-	X	-	36	12	3	XI	-	-	-	REMAIN
185+94	46' Lt	R9-6	Bicycles Yield to Peds	X	-	-	-	12	18	1.5	XI	1	P-1	12	
189+21	21' Lt	R1-1	Stop	-	-	X	-	30	30	6.25	XI	-	-	-	REMAIN
		R6-1 (Rt)	ONE WAY	-	-	X	-	36	12	3	XI	-	-	-	REMAIN
194+88	21' Rt	R1-1	Stop	-	X	-	-	30	30	6.25	XI	-	-	-	REMOVE
		SPRO4-10	KEEP RIGHT	X	-	-	-	18	24	3	XI	-	-	-	
195+03	33' Lt	W4-4P	CROSS TRAFFIC DOES NOT STOP (plaque)	X	-	-	-	24	12	2	XI	-	-	-	
		R1-1	Stop	X	-	-	-	30	30	6.25	XI	1	P-1	13	
		SPRO4-10	KEEP RIGHT	X	-	-	-	18	24	3	XI	-	-	-	
195+43	36' Rt	W4-4P	CROSS TRAFFIC DOES NOT STOP (plaque)	X	-	-	-	24	12	2	XI	-	-	-	
		R1-1	Stop	X	-	-	-	30	30	6.25	XI	1	P-1	13	
		SPRO4-10	KEEP RIGHT	X	-	-	-	18	24	3	XI	-	-	-	
195+58	20' Lt	SPRO4-10	KEEP RIGHT	X	-	-	-	18	24	3	XI	-	-	-	
		R1-1	Stop	-	X	-	-	30	30	6.25	XI	-	-	-	REMOVE
196+40	23' Rt	W13-1P (15)	Advisory Speed 15 MPH	X	-	-	-	18	18	2.25	XI	-	-	-	
		W17-1 Mod	Speed Humps Ahead	X	-	-	-	30	30	6.25	XI	1	P-1	12	
214+22	22' Rt	R8-3	No Parking (symbol)	X	-	-	-	24	24	4	XI	1	P-1	12	
214+69	22' Rt	R3-5 (Rt)	Right Turn Only	X	-	-	-	30	36	7.5	XI	-	-	-	
		R1-1	Stop	-	-	X	-	30	30	6.25	XI	-	-	-	REMAIN
215+38	22' Lt	R1-1	Stop	-	-	X	-	30	30	6.25	XI	-	-	-	REMAIN
		R3-5 (Rt)	Right Turn Only	X	-	-	-	30	36	7.5	XI	-	-	-	
215+83	20' Lt	R8-3	No Parking (symbol)	X	-	-	-	24	24	4	XI	1	P-1	12	
217+64	22' Rt	W17-1 Mod	Speed Humps Ahead	X	-	-	-	30	30	6.25	XI	1	P-1	12	
		W13-1P (15)	Advisory Speed 15 MPH	X	-	-	-	18	18	2.25	XI	-	-	-	
221+43	34' Lt	SPRO4-10	KEEP RIGHT	X	-	-	-	18	24	3	XI	-	-	-	
		R1-1	Stop	-	-	X	-	30	30	6.25	XI	1	P-1	13	INSTALL NEW POST
		W4-4P	CROSS TRAFFIC DOES NOT STOP (plaque)	X	-	-	-	24	12	2	XI	-	-	-	
221+84	31' Rt	W4-4P	CROSS TRAFFIC DOES NOT STOP (plaque)	X	-	-	-	24	12	2	XI	-	-	-	
		SPRO4-10	KEEP RIGHT	X	-	-	-	18	24	3	XI	-	-	-	
		R1-1	Stop	-	-	X	-	30	30	6.25	XI	1	P-1	13	INSTALL NEW POST

9TH AVENUE REGULATORY SIGNS

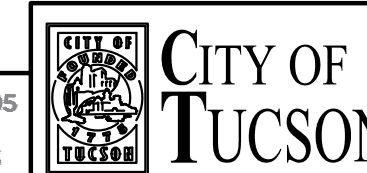
Station	Offset	Sign Code	Legend	New	Exist			Width (in)	Height (in)	Area (sq. ft.)	Min. Sheeting Type	Number of Posts	Post Type	Total length (ft)	Location / Remarks
					Remove	Remain	Relocate								
221+96	23' Lt	SPRO4-10	KEEP RIGHT	X	-	-	-	18	24	3	XI	1	P-1	12	
225+21	21' Lt	W17-1 Mod	Speed Humps Ahead	X	-	-	-	30	30	6.25	XI	1	P-1	12	
		W13-1P (15)	Advisory Speed 15 MPH	X	-	-	-	18	18	2.25	XI	-	-	-	
227+90	19' Rt	W4-4P	CROSS TRAFFIC DOES NOT STOP (plaque)	X	-	-	-	24	12	2	XI	-	-	-	
		R1-1	Stop	-	-	X	-	30	30	6.25	XI	1	P-1	13	INSTALL NEW POST
		SPRO4-10	KEEP RIGHT	X	-	-	-	18	24	3	XI	-	-	-	
228+53	26' Rt	SPRO4-10	KEEP RIGHT	X	-	-	-	18	24	3	XI	-	-	-	
		R1-1	Stop	-	-	X	-	30	30	6.25	XI	1	P-1	13	INSTALL NEW POST
		W4-4P	CROSS TRAFFIC DOES NOT STOP (plaque)	X	-	-	-	24	12	2	XI	-	-	-	
228+65	27' Lt	SPRO4-10	KEEP RIGHT	X	-	-	-	18	24	3	XI	1	P-1	12	
234+70	40' Lt	R1-1	Stop	-	-	X	-	30	30	6.25	XI	-	-	-	REMAIN
235+13	22' Lt	R1-1	Stop	-	-	X	-	30	30	6.25	XI	-	-	-	REMAIN
241+12	22' Rt	R1-1	Stop	-	-	X	-	30	30	6.25	XI	-	-	-	REMAIN
241+79	22' Lt	R1-1	Stop	-	-	X	-	30	30	6.25	XI	-	-	-	REMAIN

H:\24\24513 - Tucson Bicycle And Pedestrian On-call\02 - RTA Bicycle Boulevard Package \Design\CD\24513.002-CD-07-0-SGN-SUM.dwg 06 Last Saved: Fri, 18 Aug 2023 17:46:23 By:Bheirn Plotted: Friday, August 18, 2023 17:46:23

Notes

- Station and offset values are approximate and based on centerline survey. The contractor shall adjust layouts to conform with field conditions and the details provided in this plan set. The contractor shall get city approval for all work prior to installation.

SM06 OF SM01



DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION
 9TH AVE, 5TH ST, AND 9TH ST BICYCLE BOULEVARDS
 SAINT MARYS RD TO FORT LOWELL RD, 6TH AVE TO EUCLID AVE, AND 4TH AVE TO TREAT AVE
 SIGN SUMMARY SHEETS

NO.	DATE	REVISION DESCRIPTION	BY	CHKD.	APPR.

PRELIMINARY
90%
 REVIEW
 NOT FOR
 CONSTRUCTION
 OR RECORDING

APPROVALS	SIGNATORY	DATE	APPROVED	DATE

TRANSPORTATION DIRECTOR

REF. _____ SCALE: _____

DRWN. BY BDH 20 23 DSGN. BY BDH 20 23 CHKD. BY FLG 20 23 PLAN NO. U-2022-006

51
OF
74



5TH STREET REGULATORY SIGNS

Station	Offset	Sign Code	Legend	New	Exist			Width (in)	Height (in)	Area (sq. ft.)	Min. Sheeting Type	Number of Posts	Post Type	Total length (ft)	Location / Remarks
					Remove	Remain	Relocate								
299+59	34' Rt	R1-1	Stop	-	-	X	-	30	30	6.25	XI	-	-	-	REMAIN
299+69	34' Lt	W11-15	Bicycle & Pedestrian	X	-	-	-	30	30	6.25	XI	1	P-1	12	
		W16-7P (Lt)	Downward Diagonal Arrow (plaque)	X	-	-	-	24	12	2	XI	-	-	-	
300+32	51' Rt	W11-15	Bicycle & Pedestrian	X	-	-	-	30	30	6.25	XI	1	P-1	12	
		W16-7P (Lt)	Downward Diagonal Arrow (plaque)	X	-	-	-	24	12	2	XI	-	-	-	
300+43	25' Lt	R1-1	Stop	-	-	X	-	30	30	6.25	XI	-	-	-	REMAIN
301+98	24' Lt	W3-1	Stop Ahead	-	-	X	-	30	30	6.25	XI	-	-	-	REMAIN
302+23	28' Lt	R1-1	Stop	-	-	X	-	30	30	6.25	XI	-	-	-	REMAIN
302+57	37' Rt	W17-1 Mod	Speed Humps Ahead	X	-	-	-	30	30	6.25	XI	1	P-1	12	
		W13-1P (15)	Advisory Speed 15 MPH	X	-	-	-	18	18	2.25	XI	-	-	-	
304+41	31' Rt	R1-3P	All Way (Plaque)	-	X	-	-	18	6	0.75	XI	-	-	-	REMOVE
		R1-1	Stop	-	X	-	-	30	30	6.25	XI	-	-	-	REMOVE
304+45	35' Lt	R1-3P	All Way (Plaque)	-	X	-	-	18	6	0.75	XI	-	-	-	REMOVE
		W4-4P	CROSS TRAFFIC DOES NOT STOP (plaque)	X	-	-	-	24	12	2	XI	-	-	-	
		R1-1	Stop	-	-	X	-	30	30	6.25	XI	-	-	-	REMAIN
304+55	30' Rt	R6-1	ONE WAY	-	-	X	-	36	12	3	XI	-	-	-	REMAIN
		R6-1	ONE WAY	-	-	X	-	36	12	3	XI	-	-	-	REMAIN
304+80	21' Rt	R6-1	ONE WAY	-	-	X	-	36	12	3	XI	-	-	-	REMAIN
		R6-1	ONE WAY	-	-	X	-	36	12	3	XI	-	-	-	REMAIN
305+16	28' Lt	R1-3P	All Way (Plaque)	-	X	-	-	18	6	0.75	XI	-	-	-	REMOVE
		R1-1	Stop	-	X	-	-	30	30	6.25	XI	-	-	-	REMOVE
307+27	36' Rt	R8-3	No Parking (symbol)	X	-	-	-	24	24	4	XI	-	-	-	
		R6-1	ONE WAY	-	-	X	-	36	12	3	XI	-	-	-	REMAIN
		R6-1	ONE WAY	-	-	X	-	36	12	3	XI	-	-	-	REMAIN
308+17	26' Lt	R8-3	No Parking (symbol)	X	-	-	-	24	24	4	XI	1	P-1	12	
309+11	35' Rt	SPECIAL	BICYCLES CROSS TRACKS WITH CARE	-	-	X	-	-	-	-	-	-	-	-	REMAIN
		R1-1	Stop	-	-	X	-	30	30	6.25	XI	-	-	-	REMAIN
309+20	46' Lt	W16-7P (Lt)	Downward Diagonal Arrow (plaque)	X	-	-	-	24	12	2	XI	-	-	-	
		W11-15	Bicycle & Pedestrian	X	-	-	-	30	30	6.25	XI	-	-	-	
309+20	36' Lt	SPECIAL	BICYCLES USE CAUTION	-	-	X	-	-	-	-	-	-	-	-	REMAIN
		SPECIAL	TRACKS IN PAVEMENT	-	-	X	-	-	-	-	-	-	-	-	REMAIN
		SPECIAL	Streetcar Route sign	-	-	X	-	-	-	-	-	-	-	-	REMAIN
309+82	45' Rt	W11-15	Bicycle & Pedestrian	X	-	-	-	30	30	6.25	XI	1	P-1	12	
		W16-7P (Lt)	Downward Diagonal Arrow (plaque)	X	-	-	-	24	12	2	XI	-	-	-	

5TH STREET REGULATORY SIGNS

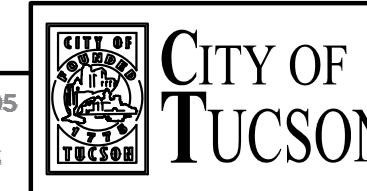
Station	Offset	Sign Code	Legend	New	Exist			Width (in)	Height (in)	Area (sq. ft.)	Min. Sheeting Type	Number of Posts	Post Type	Total length (ft)	Location / Remarks
					Remove	Remain	Relocate								
309+90	25' Lt	SPECIAL	BICYCLES CROSS TRACKS WITH CARE	-	-	X	-	-	-	-	-	-	-	-	REMAIN
310+10	51' Rt	R1-1	Stop	-	-	X	-	30	30	6.25	XI	-	-	-	REMAIN
311+46	35' Rt	W17-1 Mod	Speed Humps Ahead	-	-	X	-	30	30	6.25	XI	-	-	-	REMAIN
		W13-1P (15)	Advisory Speed 15 MPH	-	-	X	-	18	18	2.25	XI	-	-	-	REMAIN
311+72	36' Rt	R6-1	ONE WAY	-	-	X	-	36	12	3	XI	-	-	-	REMAIN
		R6-1	ONE WAY	-	-	X	-	36	12	3	XI	-	-	-	REMAIN
		R5-1	DO NOT ENTER	-	-	X	-	30	30	6.25	XI	-	-	-	REMAIN
312+01	35' Rt	W3-1	Stop Ahead	-	-	X	-	30	30	6.25	XI	-	-	-	REMAIN
312+07	34' Rt	R5-1	DO NOT ENTER	-	-	X	-	30	30	6.25	XI	-	-	-	REMAIN
313+81	35' Rt	SPRO4-10	KEEP RIGHT	X	-	-	-	18	24	3	XI	-	-	-	
		R1-3P	All Way (Plaque)	-	-	X	-	18	6	0.75	XI	-	-	-	REMAIN
		R1-1	Stop	-	-	X	-	30	30	6.25	XI	1	P-1	13	INSTALL NEW POST
313+97	40' Lt	R1-3P	All Way (Plaque)	X	-	-	-	18	6	0.75	XI	-	-	-	
		SPRO4-10	KEEP RIGHT	X	-	-	-	18	24	3	XI	-	-	-	
		R1-1	Stop	-	-	X	-	30	30	6.25	XI	1	P-1	13	INSTALL NEW POST
314+42	48' Rt	SPRO4-10	KEEP RIGHT	X	-	-	-	18	24	3	XI	-	-	-	
		R1-3P	All Way (Plaque)	X	-	-	-	18	6	0.75	XI	-	-	-	
314+43	43' Rt	R1-1	Stop	-	-	-	-	30	30	6.25	XI	-	-	-	RELOCATE
314+57	35' Rt	S1-1	School	-	-	X	-	30	30	6.25	XI	-	-	-	REMAIN
314+65	55' Rt	R1-1	Stop	-	-	-	-	30	30	6.25	XI	-	-	-	RELOCATED
314+70	26' Lt	R1-3P	All Way (Plaque)	-	-	X	-	18	6	0.75	XI	-	-	-	REMAIN
		SPRO4-10	KEEP RIGHT	X	-	-	-	18	24	3	XI	-	-	-	
		R1-1	Stop	-	-	X	-	30	30	6.25	XI	1	P-1	13	INSTALL NEW POST
314+97	26' Lt	R3-4	No U Turn	-	-	X	-	24	24	4	XI	-	-	-	REMAIN
		R3-4	No U Turn	-	-	X	-	24	24	4	XI	-	-	-	REMAIN
316+35	25' Lt	XX		-	X	-	-	-	-	-	-	-	-	-	REMOVE
		W3-1	Stop Ahead	-	X	-	-	30	30	6.25	XI	-	-	-	REMOVE
316+42	28' Lt	R3-4	No U Turn	-	-	X	-	24	24	4	XI	-	-	-	REMAIN
		R3-4	No U Turn	-	-	X	-	24	24	4	XI	-	-	-	REMAIN
318+37	23' Lt	R3-4	No U Turn	-	-	X	-	24	24	4	XI	-	-	-	REMAIN
		R3-4	No U Turn	-	-	X	-	24	24	4	XI	-	-	-	REMAIN
318+61	27' Lt	S1-1	School	-	-	X	-	30	30	6.25	XI	-	-	-	REMAIN
318+70	47' Rt	W17-1 Mod	Speed Humps Ahead	-	-	X	-	30	30	6.25	XI	-	-	-	REMAIN
		W13-1P (15)	Advisory Speed 15 MPH	-	-	X	-	18	18	2.25	XI	-	-	-	REMAIN

H:\24\24513 - Tucson Bicycle And Pedestrian On-call\002 - RTA Bicycle Boulevard Package \Design\CD\24513\002-CD-07-0-SIGN-SUM.dwg 07 - Last Saved: Fri, 18 Aug 2023 17:46:24 By:Bheirn Plotted: Friday, August 18, 2023 17:46:24

Notes

- Station and offset values are approximate and based on centerline survey. The contractor shall adjust layouts to conform with field conditions and the details provided in this plan set. The contractor shall get city approval for all work prior to installation.

SM07 OF SM01



DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

9TH AVE, 5TH ST, AND 9TH ST BICYCLE BOULEVARDS
SAINT MARYS RD TO FORT LOWELL RD, 6TH AVE TO EUCLID AVE, AND 4TH AVE TO TREAT AVE

SIGN SUMMARY SHEETS

APPROVALS		SIGNATORY		DATE		APPROVED _____ 20__		52 OF 74			
NO.		DATE		REVISION DESCRIPTION		BY		CHKD.		APPR.	
DRWN. BY		BDH		20 23		DSGN. BY		BDH		20 23	
CHKD. BY		FLG		20 23		PLAN NO.		U-2022-006			



PRELIMINARY
90%
REVIEW
NOT FOR
CONSTRUCTION
OR RECORDING

9TH STREET REGULATORY SIGNS

Station	Offset	Sign Code	Legend	New	Exist			Width (in)	Height (in)	Area (sq. ft.)	Min. Sheeting Type	Number of Posts	Post Type	Total length (ft)	Location / Remarks
					Remove	Remain	Relocate								
472+26	35' Rt	R1-1	Stop	-	-	X	-	30	30	6.25	XI	1	P-1	13	INSTALL NEW POST
		SPRO4-10	KEEP RIGHT	X	-	-	-	18	24	3.00	XI	-	-	-	
		R1-3P	All Way (Plaque)	-	X	-	-	18	6	0.75	XI	-	-	-	REMOVE
		W4-4P	CROSS TRAFFIC DOES NOT STOP (plaque)	X	-	-	-	24	12	2.00	XI	-	-	-	
472+36	18' Lt	R1-3P	All Way (Plaque)	-	X	-	-	18	6	0.75	XI	-	-	-	REMOVE
		SPRO4-10	KEEP RIGHT	X	-	-	-	18	24	3.00	XI	-	-	-	
		R1-1	Stop	-	X	-	-	30	30	6.25	XI	-	-	-	REMOVE
478+49	24' Lt	W17-1 Mod	Speed Humps Ahead	X	-	-	-	30	30	6.25	XI	1	P-1	12	
		W13-1P (15)	Advisory Speed 15 MPH	X	-	-	-	18	18	2.25	XI	-	-	-	
485+33	19' Rt	R1-1	Stop	-	X	-	-	30	30	6.25	XI	-	-	-	REMOVE
		R1-3P	All Way (Plaque)	-	X	-	-	18	6	0.75	XI	-	-	-	REMOVE
485+41	31' Lt	W4-4P	CROSS TRAFFIC DOES NOT STOP (plaque)	X	-	-	-	24	12	2.00	XI	-	-	-	
		R1-3P	All Way (Plaque)	-	X	-	-	18	6	0.75	XI	-	-	-	REMOVE
		R1-1	Stop	-	-	X	-	30	30	6.25	XI	-	-	-	REMAIN
485+87	26' Rt	R1-1	Stop	-	-	X	-	30	30	6.25	XI	-	-	-	REMAIN
		R1-3P	All Way (Plaque)	-	X	-	-	18	6	0.75	XI	-	-	-	REMOVE
		W4-4P	CROSS TRAFFIC DOES NOT STOP (plaque)	X	-	-	-	24	12	2.00	XI	-	-	-	
485+94	19' Lt	R1-1	Stop	-	X	-	-	30	30	6.25	XI	-	-	-	REMOVE
		R1-3P	All Way (Plaque)	-	X	-	-	18	6	0.75	XI	-	-	-	REMOVE
490+21	39' Lt	R1-1	Stop	-	-	X	-	30	30	6.25	XI	-	-	-	REMAIN
		W4-4P	CROSS TRAFFIC DOES NOT STOP (plaque)	X	-	-	-	24	12	2.00	XI	-	-	-	
490+70	17' Lt	W4-4P	CROSS TRAFFIC DOES NOT STOP (plaque)	X	-	-	-	24	12	2.00	XI	-	-	-	
		R1-1	Stop	-	-	X	-	30	30	6.25	XI	-	-	-	REMAIN
494+69	25' Rt	R1-1	Stop	-	-	-	-	30	30	6.25	XI	-	-	-	RELOCATE
494+77	30' Lt	W4-4P	CROSS TRAFFIC DOES NOT STOP (plaque)	X	-	-	-	24	12	2.00	XI	-	-	-	
		R1-1	Stop	X	-	-	-	30	30	6.25	XI	1	P-1	12	
495+11	34' Rt	W4-4P	CROSS TRAFFIC DOES NOT STOP (plaque)	X	-	-	-	24	12	2.00	XI	-	-	-	
		R1-1	Stop	X	-	-	-	30	30	6.25	XI	1	P-1	12	
495+20	19' Lt	R1-1	Stop	-	-	-	-	30	30	6.25	XI	-	-	-	RELOCATE
496+39	27' Rt	W17-1 Mod	Speed Humps Ahead	X	-	-	-	30	30	6.25	XI	1	P-1	12	
		W13-1P (15)	Advisory Speed 15 MPH	X	-	-	-	18	18	2.25	XI	-	-	-	
499+19	27' Lt	W4-4P	CROSS TRAFFIC DOES NOT STOP (plaque)	X	-	-	-	24	12	2.00	XI	-	-	-	
		R1-1	Stop	X	-	-	-	30	30	6.25	XI	-	-	-	
		R1-2	Yield	-	X	-	-	30	30	6.25	XI	-	-	-	REMOVE

9TH STREET REGULATORY SIGNS

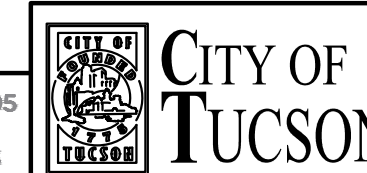
Station	Offset	Sign Code	Legend	New	Exist			Width (in)	Height (in)	Area (sq. ft.)	Min. Sheeting Type	Number of Posts	Post Type	Total length (ft)	Location / Remarks
					Remove	Remain	Relocate								
499+67	35' Rt	W4-4P	CROSS TRAFFIC DOES NOT STOP (plaque)	X	-	-	-	24	12	2	XI	-	-	-	
		R1-1	Stop	X	-	-	-	30	30	6.25	XI	-	-	-	
		R1-2	Yield	-	X	-	-	30	30	6.25	XI	-	-	-	REMOVE
501+59	15' Lt	W13-1P (15)	Advisory Speed 15 MPH	X	-	-	-	18	18	2.25	XI	-	-	-	
		W13-1P (15)	Advisory Speed 15 MPH	-	X	-	-	18	18	2.25	XI	-	-	-	REMOVE
		W17-1 Mod	Speed Humps Ahead	-	X	-	-	30	30	6.25	XI	-	-	-	REMOVE
		W17-1 Mod	Speed Humps Ahead	X	-	-	-	30	30	6.25	XI	-	-	-	
503+18	27' Rt	R1-1	Stop	-	-	X	-	30	30	6.25	XI	-	-	-	REMAIN
503+80	18' Lt	R1-1	Stop	-	-	X	-	30	30	6.25	XI	-	-	-	REMAIN
505+69	29' Rt	W17-1 Mod	Speed Humps Ahead	X	-	-	-	30	30	6.25	XI	1	P-1	12	
		W13-1P (15)	Advisory Speed 15 MPH	X	-	-	-	18	18	2.25	XI	-	-	-	
512+23	24' Lt	W17-1 Mod	Speed Humps Ahead	X	-	-	-	30	30	6.25	XI	1	P-1	12	
		W13-1P (15)	Advisory Speed 15 MPH	X	-	-	-	18	18	2.25	XI	-	-	-	

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NOTES

- Station and offset values are approximate and based on centerline survey. The contractor shall adjust layouts to conform with field conditions and the details provided in this plan set. The contractor shall get city approval for all work prior to installation.

SM10 of SM01



DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION
 9TH AVE, 5TH ST, AND 9TH ST BICYCLE BOULEVARDS
 SAINT MARYS RD TO FORT LOWELL RD, 6TH AVE TO EUCLID AVE, AND 4TH AVE TO TREAT AVE
 SIGN SUMMARY SHEETS

NO.	DATE	REVISION DESCRIPTION	BY	CHKD.	APPR.

PRELIMINARY
90%
 REVIEW
 NOT FOR
 CONSTRUCTION
 OR RECORDING

APPROVALS	SIGNATORY	DATE	APPROVED	DATE

TRANSPORTATION DIRECTOR

REF. _____ SCALE: _____

DRWN. BY BDH 20 23 DSGN. BY BDH 20 23 CHKD. BY FLG 20 23 PLAN NO. U-2022-006



GENERAL TRAFFIC SIGNAL AND LIGHTING NOTES

- All equipment/materials and construction shall meet or exceed the current Pima Association of Governments (PAG) "Standard Specifications for Public Improvements" and "Standard Details for Public Improvements", the current MUTCD with the Arizona Supplement, the Special Provisions, and the plans.
- Station and offsets are to the 9th Street construction centerline. The exact location of each new pole foundation, pull box, controller cabinet foundation, and electric service pedestal foundation shall be approved by the Engineer prior to excavation and installation.
- All pole foundations shall be installed at finished grade. If the slope of shoulder drops off from the finished grade, the contractor shall grade around the pole foundation. Refer to the PAG Standard Details for Public Improvements.
- Only new conduit and cable shall be installed, unless otherwise specified.
- All conduit shall be installed a minimum of 30 inches below finished grade in protected areas (behind curb) and a minimum of 36 inches below finished grade in unprotected areas, under roadways or under driveways.
- Any conduit installed shallower than the minimum below finished grade shall be encased in concrete per Standard Specification 732-3.01 (G).
- All new and existing conduits shall be cleaned by compressed air and a properly sized conduit piston or mandrel prior to cable installation.
- Pull boxes shall not be installed within concrete curb access ramps. In addition, any pull boxes installed behind curbs shall be installed between the curb and the proposed/future sidewalk or beyond the proposed/future sidewalk. Any pull boxes installed along an uncurbed roadway shall be installed adjacent to, but not within, the shoulder.
- A 3/4-inch x 10-ft ground rod shall be installed in the No. 7 pull box (w/extension) adjacent to the controller cabinet. Two ground rod clamps shall be furnished for grounding the wire.
- High voltage cables should be separated from low voltage cables as much as possible.
- A (#14) AWG 16 conductor IMSA cable shall be installed from each traffic signal terminal strip (unspliced) to the traffic signal cabinet.
- Conductors shall be installed from each new luminaire to the concrete pull box adjacent to the pole foundation, leaving three feet of slack for each conductor (measured from the top of the pull box) in the pull box. A 5-amp in-line fuse shall be installed for each luminaire in the associated pull box.
- Poles with pedestrian signals and APS pushbutton stations shall use one 7-conductor IMSA cable for both the APS pushbutton station and the pedestrian signal, unless otherwise noted. The outer cable jacket shall not be removed at the hand hole height. Two conductors shall be routed to the push button station and the remaining conductors shall be routed to the pedestrian signal. The APS pushbutton station should be mounted on the same side of the pole as the pedestrian signal that it serves.
- Poles with BIKES WAIT/BIKES OK signs and pushbuttons for cyclists shall use one 7-conductor IMSA cable for both the pushbutton and the sign, unless otherwise noted. The outer cable jacket shall not be removed at the hand hole height. Two conductors shall be routed to the pushbutton station and the remaining conductors shall be routed to the bike sign.
- Coordinate the hookup of conductors and communication cables in the controller cabinet with the City of Tucson (COT) Electric Shop. Call the COT Electric Shop at (520) 791-3154 a minimum of five (5) days prior to work.
- Contact the Tucson Electric Power (TEP) Public Improvement Coordinator Roman Felix at (520) 918-8359 for electric service hookup. The contractor shall be responsible for excavating and backfilling the trench, installing any necessary sleeves under sidewalk or driveways and supplying a galvanized sweep and riser for the electric service cable to be installed by TEP.
- The contractor shall take precautions not to damage water facilities, sanitary sewer pipelines, and dry utility facilities that are in the area of construction. The contractor will be responsible for any damage.
- At pole foundations close to existing water mains, sewer lines, and manholes, maintain a minimum of five (5) feet horizontal distance from outside of the foundation wall to the outside of pipe wall. PCRWRD requires the contractor to submit a Wastewater Flow Management Plan for new pole foundations that encroach the sewer impact zone. See PCRWRD SSDC 202, Section 2.2.1 for more information.
- Minimum horizontal separation between existing water mains and electrical conduit is five (5) feet from outside water line to outside of electrical conduit. Minimum vertical separation is one (1) foot from outside water line to outside electrical conduit.
- The location of all utilities shown on the plans is approximate. The contractor shall pothole existing utilities within the vicinity of pole and cabinet foundations prior to excavation. This work shall be considered incidental to the pole foundation work.
- The contractor shall contact Arizona 811 at 1-800-782-5348 a minimum of 48 hours prior to any excavation.
- The contractor shall support and protect in place all water facilities that are exposed during the installation of the traffic signal improvements associated with the project. Any damage to water facilities resulting from the installation of the project improvements shall be replaced in kind by the contractor and at the contractor's expense.
- The traffic signal operation at existing signalized intersections shall be maintained throughout the duration of the project.
- All pedestrian push button assemblies shall meet ADA requirements. The signs that shall be used are identified in the 2009 MUTCD as R10-3e in Section 2B.52. Audible vibrotactile type Campbell AGPS or equal.

EQUIPMENT NOTES

- The contractor shall remove and salvage existing poles, mast arms, and other equipment that will not be reused in the project to the COT Electric Shop. Call the COT Electric shop at (520) 791-3154 for instructions at least 48 hours in advance.
- All pedestrian pushbutton assemblies shall be an APS (audio vibrotactile type) pushbutton, Campbell Company Guardian 912 Yellow with Bluetooth and wave feature or approved equal and shall be mounted 42 inches above the finished grade to the center of the pushbutton. The pushbutton shall be wired to the SPI (unspliced) using a shielded (#18) AWG 4 conductor (preferably with colors the Black, White, Red and Green) stranded cable. Locations and accessibility of pushbuttons shall comply with the requirements of the Americans with Disabilities Act (ADA). The pedestrian pushbutton signs that shall be used are identified in the 2009 MUTCD in Section 2B.51 and are shown in PAG Std Dtl T 1104.
- All signal indications shall be LED. Pedestrian signals shall be the international man/hand with a countdown timer, and bike signals shall have the BIKES WAIT/BIKES OK message.
- All mast arm signal heads shall have the yellow metal housing with black aluminum louvered backplates.
- luminaires shall be American Electric Lighting LED Autobahn ATB2 Series, 173W, 120V, Type 3, 3000 KCCT with a 7-pin Roam Node connector.

RESPONSIBILITIES

- The contractor shall install the following City supplied equipment and materials: traffic signal controller cabinet(s) with controller(s). The contractor shall supply and install the following equipment and materials as specified in the plans: steel pole anchor bolts (with nuts and washers), concrete pole foundations with reinforcement (where specified), controller cabinet concrete foundation(s), concrete pull boxes, electrical conduit, ground rods and connectors, bare bond wire and all other conductors, poles, mast arms, traffic signals and mounting assemblies, pedestrian/bicycle signals and mounting assemblies, pedestrian push button stations with signs, emergency vehicle preemption with mounting assemblies, luminaires, photocells, pole and mast arm signs with mounting assemblies, service pedestal with concrete foundation(s), all auxiliary equipment, and all other appurtenances necessary for the operation of the traffic signal installation(s), except as modified in the plans.
- The contractor shall pick up and transport the traffic controller cabinet(s) from the City of Tucson Streets and Traffic Maintenance Division Yard to the intersection(s). Call (520) 791-3191 at least 48 hours in advance of pickup.
- The contractor shall install each traffic controller cabinet on its foundation and route all of the conductors into the controller cabinet. The City of Tucson Streets and Traffic Maintenance Division staff shall terminate the conductors in the controller cabinet.

UNDERGROUND FACILITIES

Two full working days before beginning any excavation, the contractor shall contact Arizona 811 at 1-800-782-5348 to request marking of underground facilities. Underground facilities shall be exposed and located in accordance with A.R.S. 40-360.21 through 360.29.

OVERHEAD POWER LINES

The contractor's attention is directed to A.R.S. 40-360.41 through 360.44 for restrictions on work in the vicinity of overhead power lines. The contractor shall not operate power equipment placed so that any extension of the equipment and/or load carried by the equipment can reach to within ten (10) feet of active power lines rated at or under 50 kilovolts. Greater clearances apply for higher voltage power lines. Where work within the clearance limits is necessary, the contractor shall contact TEP ten (10) working days in advance of the proposed work, to arrange for temporary deactivation, or other measures deemed necessary to permit safe operation near the overhead lines. Where excavation near existing power poles is planned, the contractor shall contact TEP ten (10) working days in advance, to arrange for bracing and shoring. Before the end of the work shift each day, the contractor shall provide drivable access to all TEP poles, equipment, and facilities.

LEGEND	PROPOSED	EXISTING
Traffic Control Cabinet with Foundation		
Metered Service Pedestal with Foundation		
Traffic Signal Pole		
Traffic Signal Face		
Pedestrian Signal		
Bicycle Signal		
Pushbutton		
Luminaire Pole		
Pull Box No. 3-1/2		
Pull Box No. 5		
Pull Box No. 7		
Pull Box No. 7 with Extension		

TS01 OF TS04

 2 E CONGRESS STREET, SUITE 705 TUCSON, AZ 85701 P 520.544.4067 F 520.544.9616	 CITY OF TUCSON	DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION 9TH AVE, 5TH ST, AND 9TH ST BICYCLE BOULEVARDS SAINT MARYS RD TO FORT LOWELL RD, 6TH AVE TO EUCLID AVE, AND 4TH AVE TO TREAT AVE TRAFFIC SIGNAL AND LIGHTING GENERAL NOTES			
		PRELIMINARY 90% REVIEW NOT FOR CONSTRUCTION OR RECORDING	APPROVALS _____ _____ _____	SIGNATORY _____ _____ _____	DATE _____ _____ _____
NO. _____ DATE _____ REVISION DESCRIPTION _____ BY _____ CHKD. _____ APPR. _____	DRWN. BY BDH 20 23 DSGN. BY BDH 20 23 CHKD. BY FLG 20 23				

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CABINET SCHEDULE						
CABINET	TYPE	CONTROLLER	AUX. CONTROLLER	FOUNDATION	LOCATION	REMARKS
A		METERED PEDESTAL	-	T 1801	-	PROTECT IN PLACE
B		CONTROLLE R TYPE V T 313	NEMA TS-2 TYPE 2 ECONOLITE COBALT CONTROLLER	T 203	418+57.32 68.2' Rt	

POLE SCHEDULE										
POLE	MAST ARM	SIGNALS		PED/BIKE PUSHBUTTON	LUMINAIRE	LOCATION	REMARKS			
NUMBER	TYPE	SIGNAL	LUMINAIRE	FACE	MOUNTING					
C		Q T 412	30'	20'	(3) F T 801 (1) F BIKE T 801 (1) PED T 804	(2) II T 901 (1) VII T 905 (1) XI T 909	-	SEE EQUIPMENT NOTE 5 SHT TS01	418+55.41 10.0' Rt	INSTALL VIDEO DETECTION CAMERA ON LUMINAIRE MAST ARM. INSTALL PREEMPT SENSOR AND BEACON. INSTALL CROSSING SIGN ON MAST ARM, SHT SG10.
D		PPB POST - TYPE I T 419	-	-	-	-	(1) TYPE I 2" ADA T 1101 BIKE T 1103	-	418+49.58 9.0' Rt	
E		A - 10' T 401	-	-	(1) F BIKE T 801 (2) PED T 804	(1) IV T 903 (2) XI T 909	-	-	418+55.33 3.0' Lt	
F		PPB POST - TYPE I T 419	-	-	-	-	(1) TYPE I 2" ADA T 1101 R10-4b(L) T 1104	-	418+65.42 15.0' Rt	
G		TYPE 1 T 444	-	15'	-	-	-	SEE EQUIPMENT NOTE 5 SHT TS01	419+37.02 43.0' Rt	
H		A - 10' T 401	-	-	(1) F BIKE T 801 (2) PED T 804	(1) IV T 903 (1) XI T 909	-	-	419+35.49 10.0' Rt	
I		PPB POST - TYPE I T 419	-	-	-	-	(1) TYPE I 2" ADA T 1101 BIKE T 1103	-	419+39.66 2.0' Lt	
J		Q T 412	30'	20'	(3) F T 801 (1) F BIKE T 801 (1) PED T 804	(2) II T 901 (1) VII T 905 (1) XI T 909	(1) TYPE I 2" ADA T 1101	SEE EQUIPMENT NOTE 5 SHT TS01	419+35.47 3.0' Lt	INSTALL VIDEO DETECTION CAMERA ON LUMINAIRE MAST ARM. INSTALL PREEMPT SENSOR AND BEACON. INSTALL CROSSING SIGN ON MAST ARM, SHT SG10.
K		PPB POST - TYPE I T 419	-	-	-	-	(1) TYPE I 2" ADA T 1101 R10-4b(L) T 1104	-	49+25.98 8.5' Rt	

- NOTES**
- Station and offset values are approximate and based on centerline survey. The contractor shall adjust layouts to conform with field conditions and the details provided in this plan set. The contractor shall get city approval for all work prior to installation.

CONDUIT AND CONDUCTOR SCHEDULE																		
CONDUIT RUN NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
CONDUIT SIZE (INCHES)	2½	2	3(4)	2(4)	3	2	2	2(4)	2	2(4)*	2	2(4)	2	2	2(4)	2	3	
CIRCUIT PHASE	EXIST SERVICE CONDUCTORS																	
#14 16 CONDUCTOR IMSA CABLE	BLACK-PED SIGNAL WALK																	
	WHITE-SIGNAL COMMON																	
	RED-AØ SIGNAL RED																	
	GREEN-AØ SIGNAL GREEN																	
	ORANGE-PED PUSHBUTTON																	
	BLUE-AØ SIGNAL YELLOW																	
	WHITE W/B-LOW VOLTAGE COMMON																	
	RED W/B-AØ AUX RED																	
	GREEN W/B-AØ AUX GREEN																	
	ORANGE W/B-SPARE PED PUSHBUTTON																	
	BLUE W/B-AØ AUX YELLOW																	
	BLACK W/W-PED SIGNAL DON'T WALK																	
	RED W/W-SPARE																	
	GREEN W/W-BØ LEFT TURN GREEN																	
BLUE W/W-BØ LEFT TURN YELLOW																		
BLACK W/R-SPARE																		
#14 7CC IMSA			4	2		1	1			2		2		1	1	1		
#8 BARE			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
#10 THW	STREET LIGHT CIRCUIT #1 (BLACK)			1	1	1				1	1							
	STREET LIGHT CIRCUIT #2 (RED)			1						1		1			1		1	
	STREET LIGHT COMMON (WHITE)			1	1	1				1	1	1			1		1	
	PRE-EMT BEACON			1	1	1	1			1	1	1			1		1	
#4 THW	POWER HOT (RED) (BLACK)			2														
	POWER NEUTRAL (WHITE)			1														
TOMAR M913	PRE-EMPT SENSOR			1	1	1	1			1		1		1		1	1	
	PRE-EMPT SENSOR			1	1	1	1			1		1		1		1	1	
TERRA 3 CABLE	VIDEO DETECTION CABLE			2	1	1				1		1		1		1	1	

*REUSE EXISTING 4" CONDUIT, INSTALL SECOND 4" CONDUIT.

TS03 OF TS04

2 E CONGRESS STREET, SUITE 705
TUCSON, AZ 85701
P 520.544.4067 F 520.544.9616

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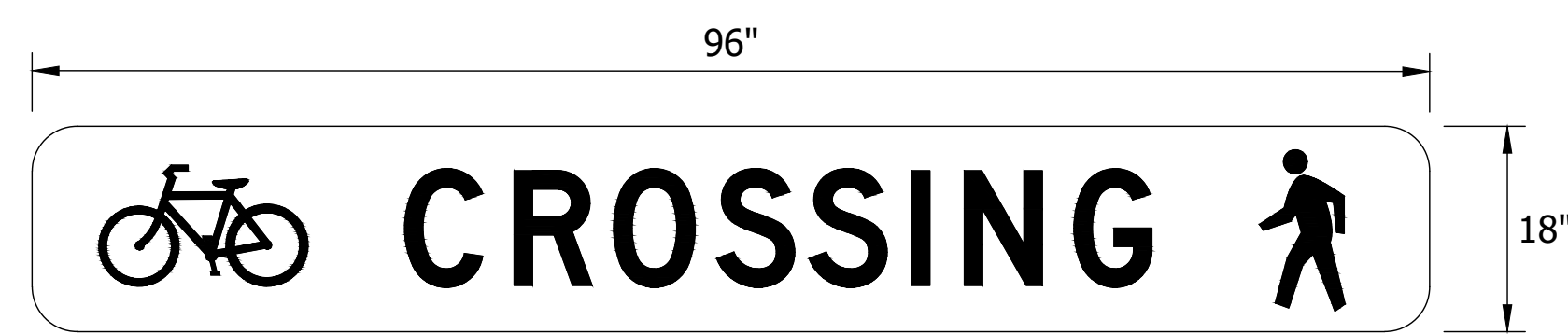
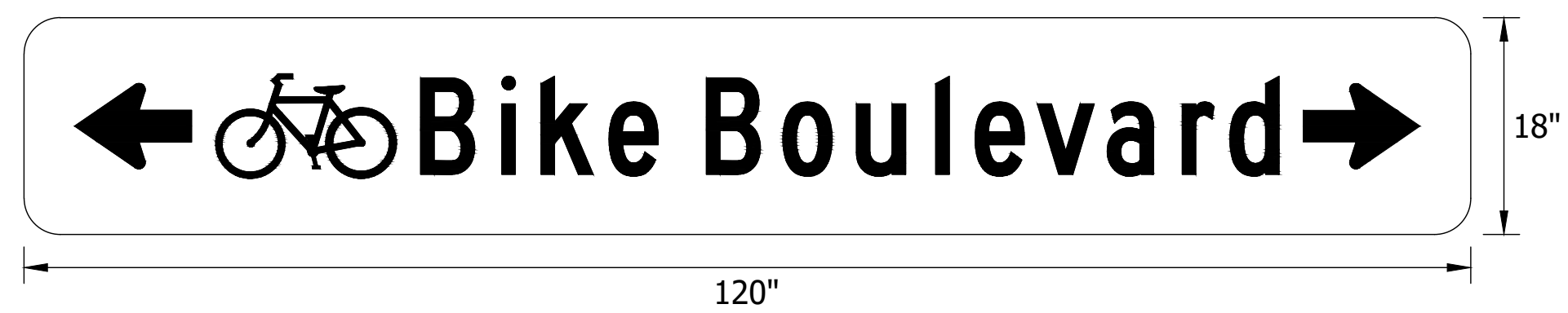
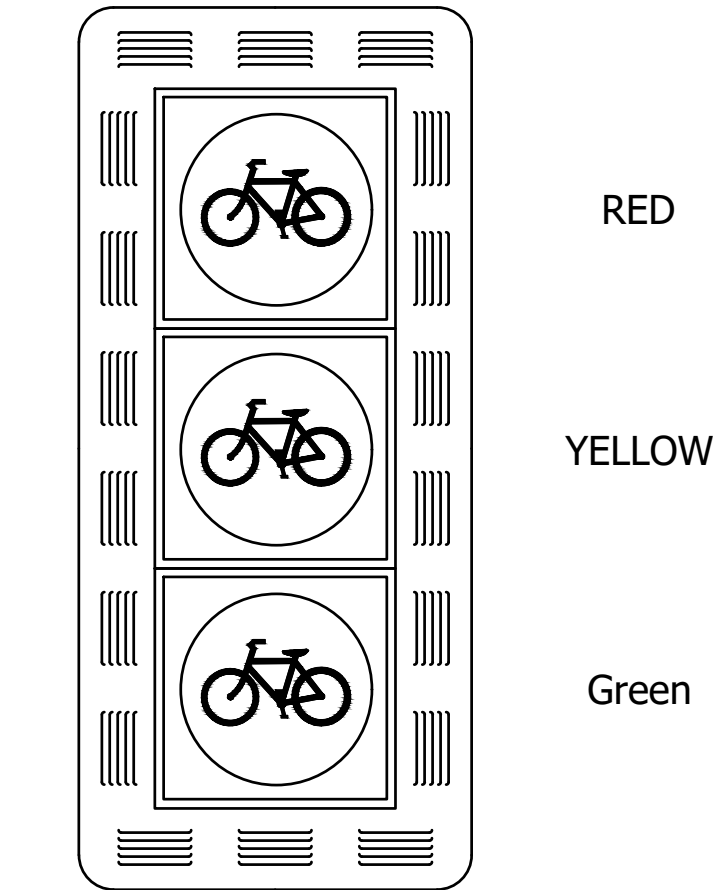
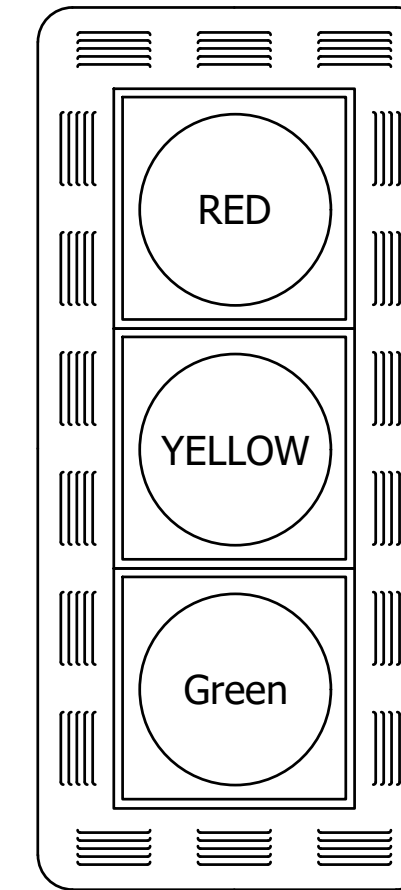
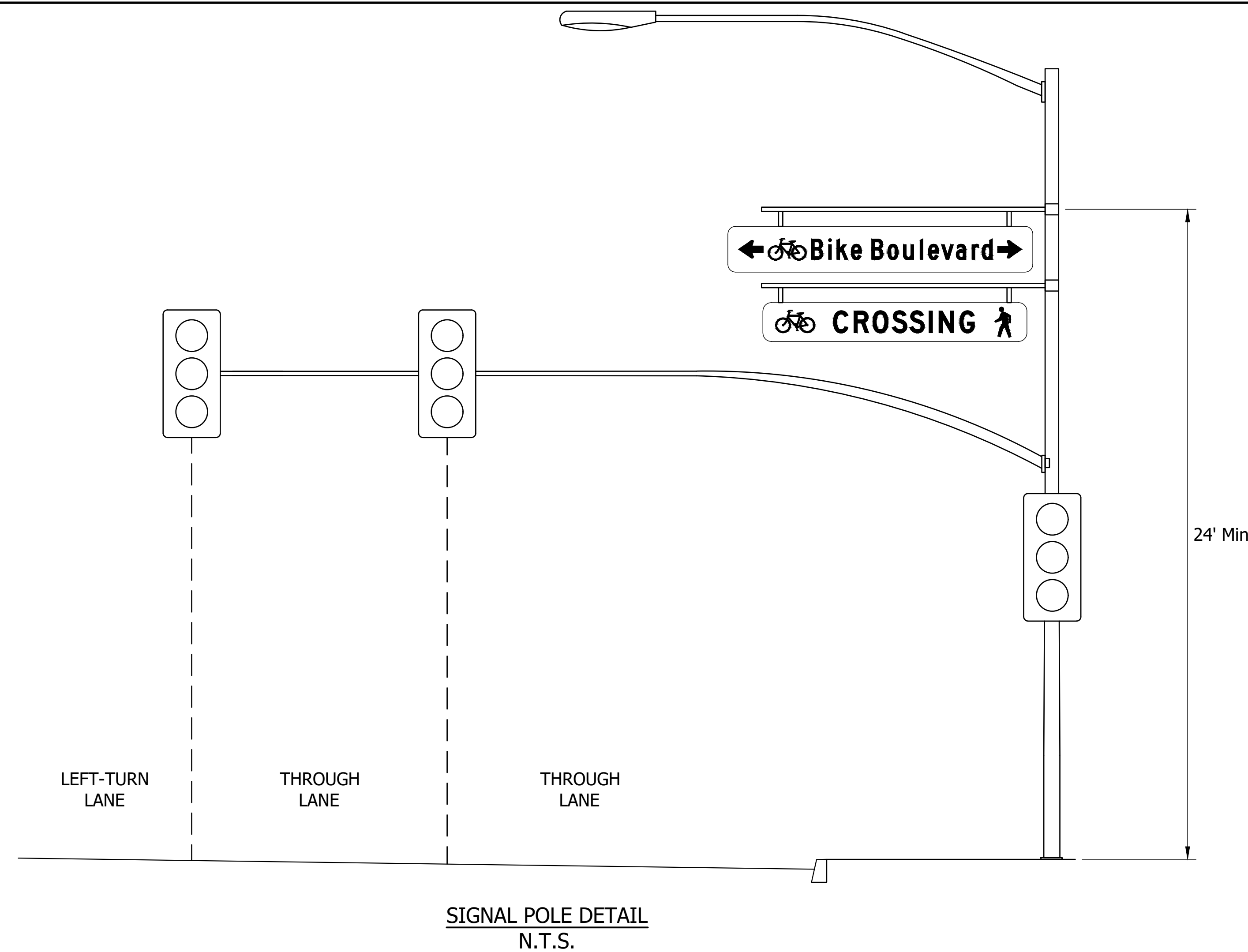
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9TH AVE, 5TH ST, AND 9TH ST BICYCLE BOULEVARDS
SAINT MARYS RD TO FORT LOWELL RD, 6TH AVE TO EUCLID AVE, AND 4TH AVE TO TREAT AVE

TRAFFIC SIGNAL PLAN SHEETS

APPROVALS	SIGNATORY	DATE	APPROVED _____ 20__	58
			TRANSPORTATION DIRECTOR	OF
			REF. _____ SCALE: _____	74
DRWN. BY <u>BDH</u> 20 <u>23</u>	DSGN. BY <u>BDH</u> 20 <u>23</u>	CHKD. BY <u>FLG</u> 20 <u>23</u>	PLAN NO. <u>U-2022-006</u>	

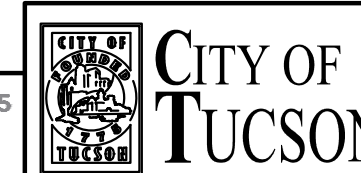


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TS04 of TS04

KITTELSON & ASSOCIATES
 2 E CONGRESS STREET, SUITE 705
 TUCSON, AZ 85701
 P 520.544.4067 F 520.544.9616



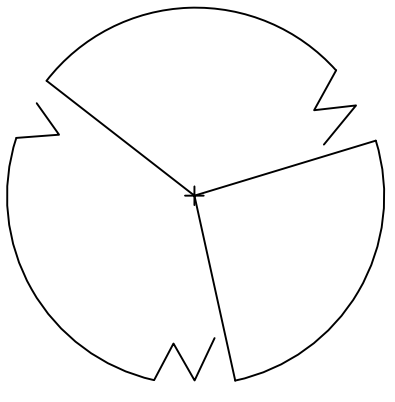
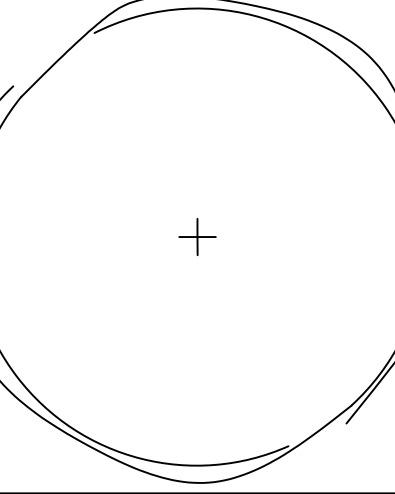
DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION
9TH AVE, 5TH ST, AND 9TH ST BICYCLE BOULEVARDS
 SAINT MARYS RD TO FORT LOWELL RD, 6TH AVE TO EUCLID AVE, AND 4TH AVE TO TREAT AVE
TRAFFIC SIGNAL DETAILS











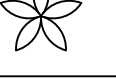



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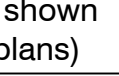
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APPROVALS	SIGNATORY	DATE	APPROVED	NO.
				59
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TRANSPORTATION DIRECTOR				
REF. _____ SCALE: _____				
DRWN. BY <u>BDH</u> 20 <u>23</u>	DSGN. BY <u>BDH</u> 20 <u>23</u>	CHKD. BY <u>FLG</u> 20 <u>23</u>	PLAN NO. <u>U-2022-006</u>	



PLANT SCHEDULE							
TREES	BOTANICAL / COMMON NAME	CONTAINER SIZE	9TH AVE: GRANT TO DRACHMAN QTY	9TH AVE: REMAINING QTY	5TH ST QTY	9TH ST QTY	TOTAL QTY
	<i>Celtis reticulata</i> Canyon Hackberry	24" Box	9	0	0	0	9
	<i>Olneya tesota</i> Desert Ironwood	24" Box	13	2	1	0	16

PLANT SCHEDULE							
SHRUBS	BOTANICAL / COMMON NAME	SIZE	9TH AVE: GRANT TO DRACHMAN QTY	9TH AVE: REMAINING QTY	5TH ST QTY	9TH ST QTY	TOTAL QTY
	<i>Ambrosia deltoidea</i> Triangle-Leaf Bursage	1 gal.	47	11	6	15	79
	<i>Anisacanthus thurberi</i> Desert Honeysuckle	5 gal.	12	1	0	0	13
	<i>Asclepias subulata</i> Desert Milkweed	5 gal.	17	3	2	1	23
	<i>Calliandra eriophylla</i> Sonoran Fairy Duster	5 gal.	27	10	4	2	43
	<i>Dalea frutescens</i> Black Dalea	5 gal.	14	4	2	3	23
	<i>Ericameria laricifolia</i> Turpentine Bush	5 gal.	25	7	0	1	33
	<i>Fouquieria splendens</i> Ocotillo	15 gal.	3	5	1	2	11
	<i>Justicia californica</i> Chuparosa	5 gal.	13	4	0	0	17
	<i>Larrea tridentata</i> Creosote Bush	5 gal.	5	4	1	0	10
	<i>Simmondsia chinensis</i> Jojoba	5 gal.	11	1	0	0	12
	<i>Sphaeralcea ambigua</i> Desert Globemallow	5 gal.	42	21	5	7	75
CACTI	BOTANICAL / COMMON NAME	SIZE	9TH AVE: GRANT TO DRACHMAN QTY	9TH AVE: REMAINING QTY	5TH ST QTY	9TH ST QTY	TOTAL QTY
	<i>Ferocactus wislizenii</i> Fish Hook Barrel Cactus	1' Ht.	11	10	2	2	25
	<i>Opuntia santa-rita</i> Santa Rita Prickly Pear	5 gal.	9	5	1	4	19
GRASSES	BOTANICAL / COMMON NAME	SIZE	9TH AVE: GRANT TO DRACHMAN QTY	9TH AVE: REMAINING QTY	5TH ST QTY	9TH ST QTY	TOTAL QTY
	<i>Muhlenbergia emersleyi</i> Bullgrass	5 gal.	15	3	0	3	21

HARDSCAPE SCHEDULE							
SYMBOL	DESCRIPTION	9TH AVE: GRANT TO DRACHMAN QTY	9TH AVE: REMAINING QTY	5TH ST QTY	9TH ST QTY	TOTAL QTY	COLOR
	2' x 2' Boulder	19	10	3	3	35	Santa Fe Brown
	3' x 3' Boulder	12	1	1	0	14	Santa Fe Brown
	Desert Cobble	625 sy	152 sy	37 sy	70 sy	884 sy	Santa Fe Brown
	Grouted Rip Rap	35 sy	25 sy	0 sy	35 sy	95 sy	Santa Fe Gold
(not shown in plans)	Organic Woody Mulch	35 cy	8 cy	2 cy	4 cy	49 cy	N/A

LANDSCAPE GENERAL NOTES

- Plant and hardscape material installed outside of 5' radius from center of traffic circles shall have a height of less than thirty inches (30") (mature height plants).
 - 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.
- Areas where Decorative Concrete is installed will receive a decorative concrete aesthetic treatment.

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.
- Trees shall be located to avoid conflicts with overhead and underground utilities.
 - Sewer: Tree trunks shall be 16' min. from manholes, and all parts of trees shall be 10' min. from sewer lines.
 - Gas: Tree trunks shall be 8' min. from all gas lines.
 - Electric: Tree trunks shall be 3-5' min. from all electrical lines.
 - Water: Tree trunks shall be 10' min. from all water lines.
 - Fire hydrants: Tree trunks shall be 3-5' min. from fire hydrants.
 - Light poles: Tree trunks shall be 15' min. from light poles.
 - Power and traffic poles: Tree trunks shall be 10' min. from poles.

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 single trunks with a 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.

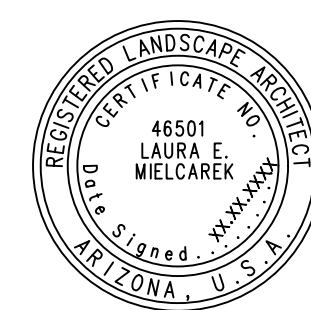
ORGANIC WOODY MULCH NOTES

- Organic woody mulch shall consist of 1/2" minus woodchips. The hardwood material is natural, made without color additives or chemical additives, and is composed of locally sourced material from mesquites, palo verdes, pines, and eucalyptus. The term "organic" applies to a natural material derived from living organisms. No inorganic rock material shall be incorporated into the mix.
- Mulch shall be applied evenly at a 2" thickness above the ripped soil and below the plating material. Do not mix mulch into soil.
- Keep mulch 4" away from trunks of trees or shrubs to prevent rot.

LP1-01 of LP1-02

CERTIFICATION STATEMENT REQUIRED BY PCRWRD

These landscape plans are designed to meet the requirements and intentions of the Pima County Regional Wastewater Reclamation Department's Section 7.7 of the Engineering Design Standards and Standard Details RWRD 111 and RWRD 112, latest edition.

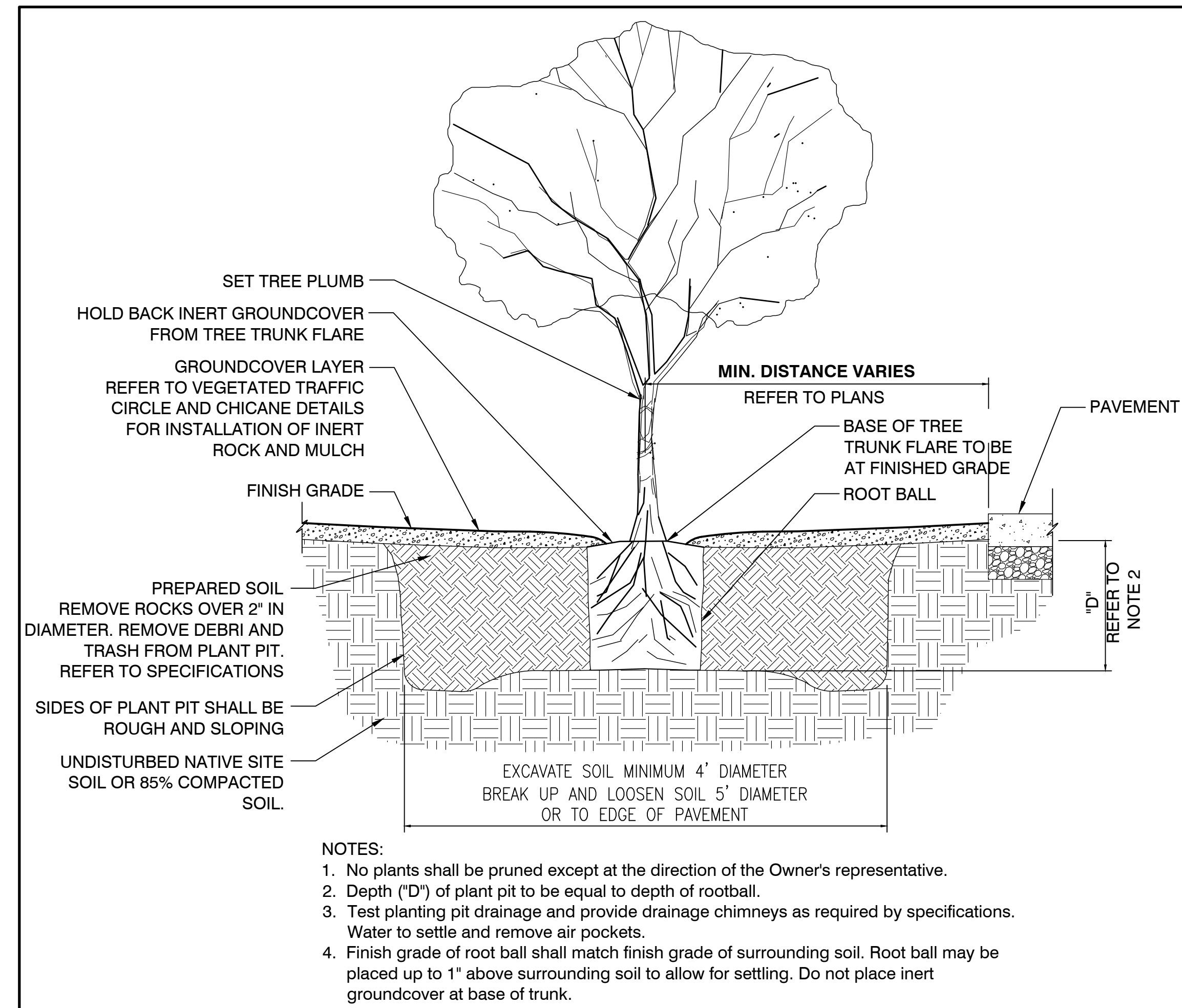


WHEAT DESIGN GROUP		500 N. TUCSON BLVD, SUITE 150 TUCSON ARIZONA 85714 T: 520 884 7911			
NO.	DATE	REVISION DESCRIPTION	BY	CHKD.	APPR.

CITY OF TUCSON

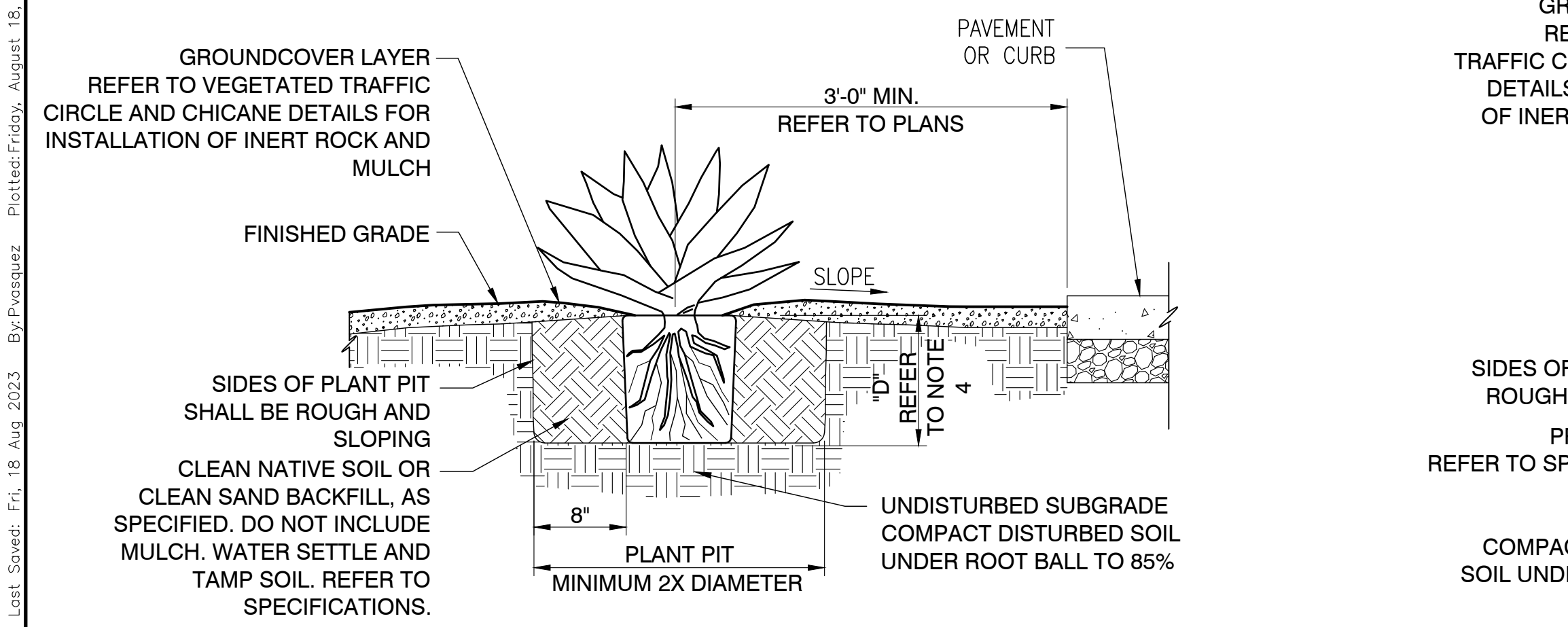
PRELIMINARY
90%
REVIEW
NOT FOR
CONSTRUCTION
OR RECORDING

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION			
9TH AVE, 5TH ST, AND 9TH ST BICYCLE BOULEVARDS			
SAINT MARYS RD TO FORT LOWELL RD, EUCLID AVE TO 6TH AVE, AND 4TH AVE TO TREAT AVE			
Landscape Summary			
APPROVALS	SIGNATORY	DATE	
			APPROVED _____ 20__
			60
			OF
			74
			TRANSPORTATION DIRECTOR
			REF. _____ SCALE: _____
			PLAN NO. U-2022-006



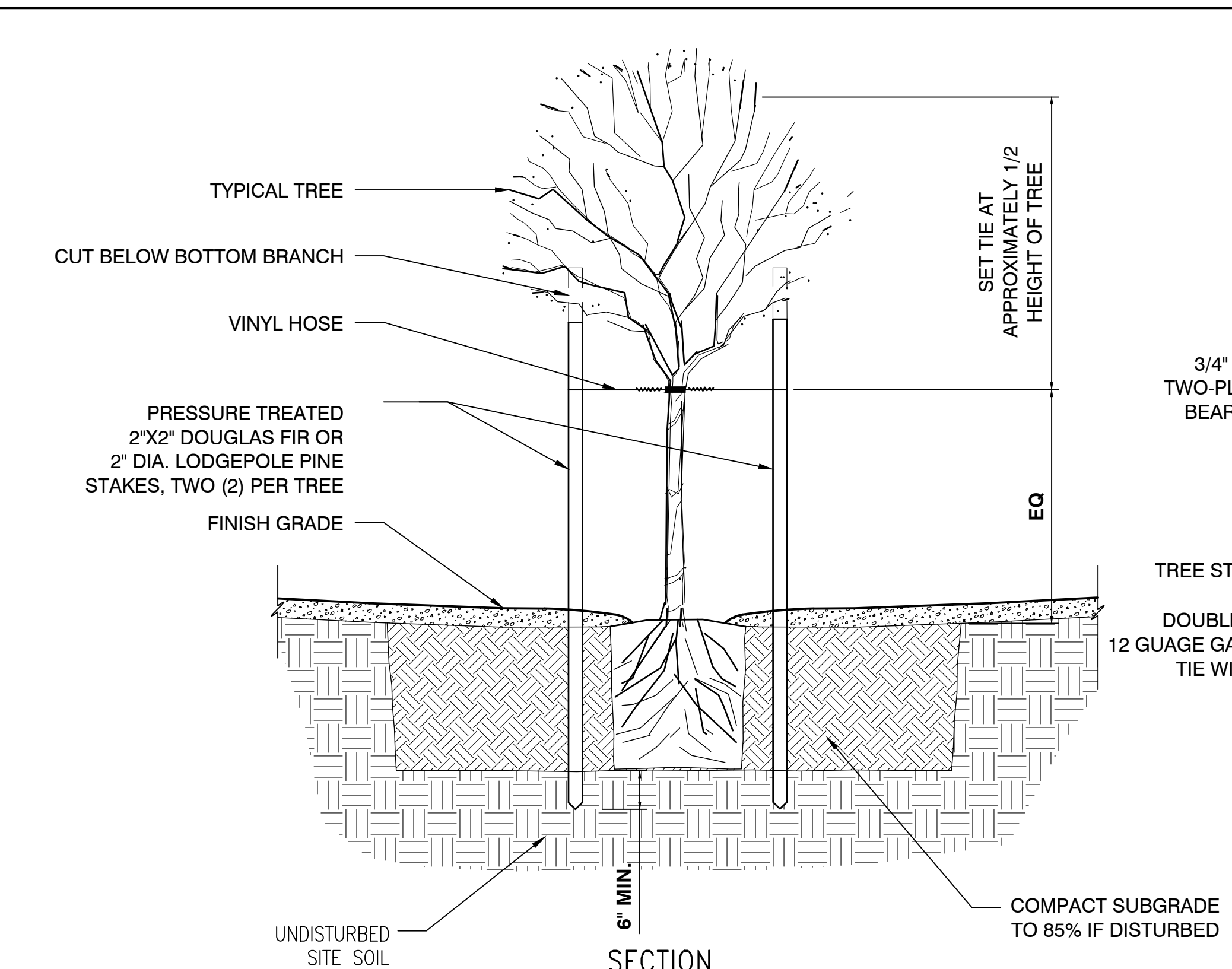
- NOTES:
1. No plants shall be pruned except at the direction of the Owner's representative.
 2. Depth ("D") of plant pit to be equal to depth of rootball.
 3. Test planting pit drainage and provide drainage chimneys as required by specifications. Water to settle and remove air pockets.
 4. Finish grade 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 inert groundcover at base of trunk.

1 TREE PLANTING DETAIL
N.T.S.



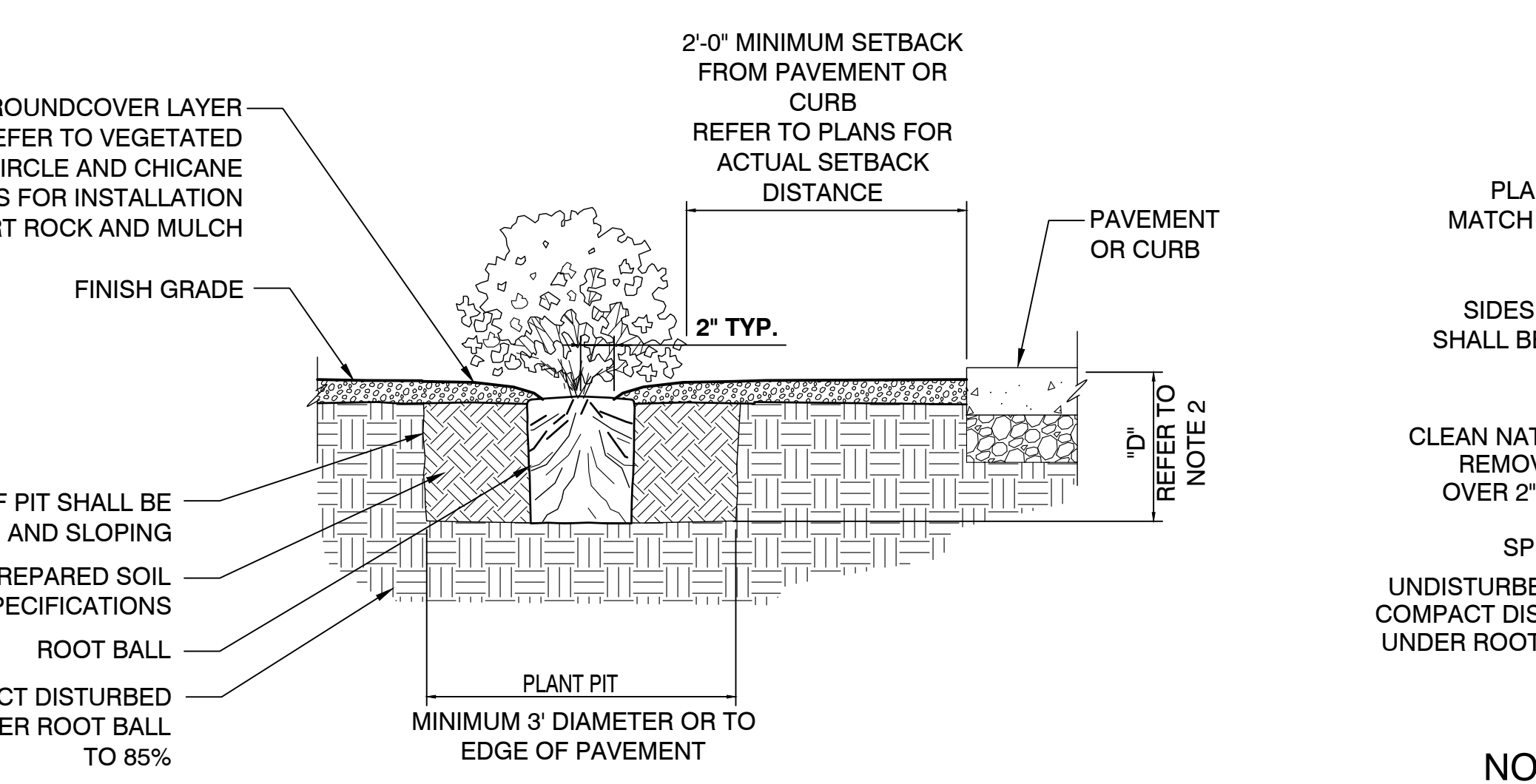
- NOTES:
1. This detail applies to nursery grown stock of the Genera agave, aloe, dasyliiron, hesperaloe, nolina and yucca.
 2. Do not create a basin at base of plant. Slope backfill away from stem.
 3. Set stem succulent so that top of root ball matches adjacent grade.
 4. Depth ("D") of plant pit to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

3 AGAVE AND SUCCULENT PLANTING
N.T.S.



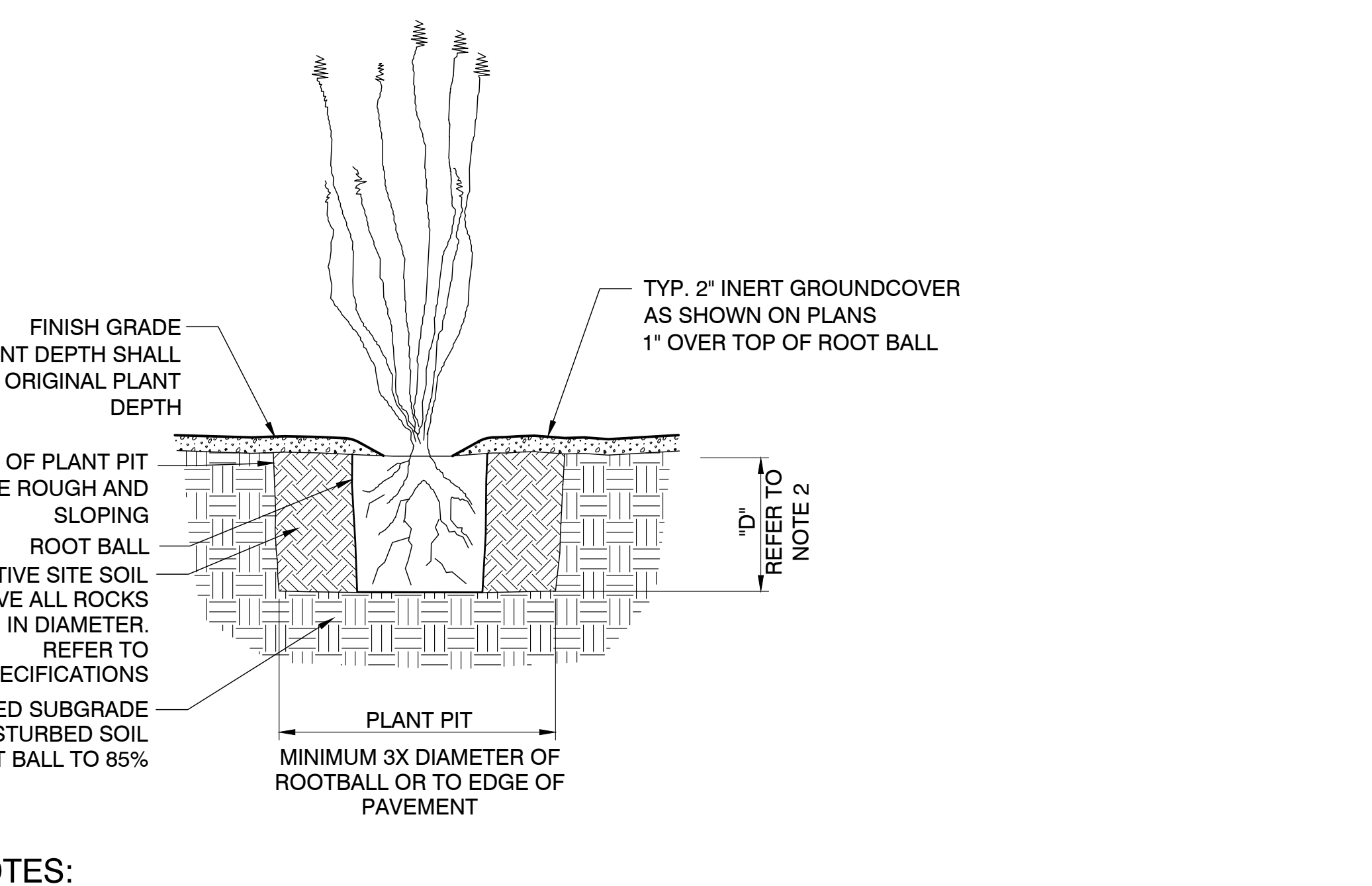
- NOTES:
1. No plants shall be pruned except at the direction of the owner's representative.
 2. Remove all nursery staking. Trees unable to stand upright unaided will be rejected.
 3. Stake tree only if needed, per direction of Owner's representative.
 4. Set stakes parallel to sidewalk or street where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

2 TREE STAKING DETAIL
N.T.S.



- NOTES:
1. 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 as required by specifications.
 4. 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.
 5. Do not place inert groundcover at base of plant.

4 SHRUB PLANTING DETAIL
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 as required by Specifications.
 4. 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 mulch at base of plant.

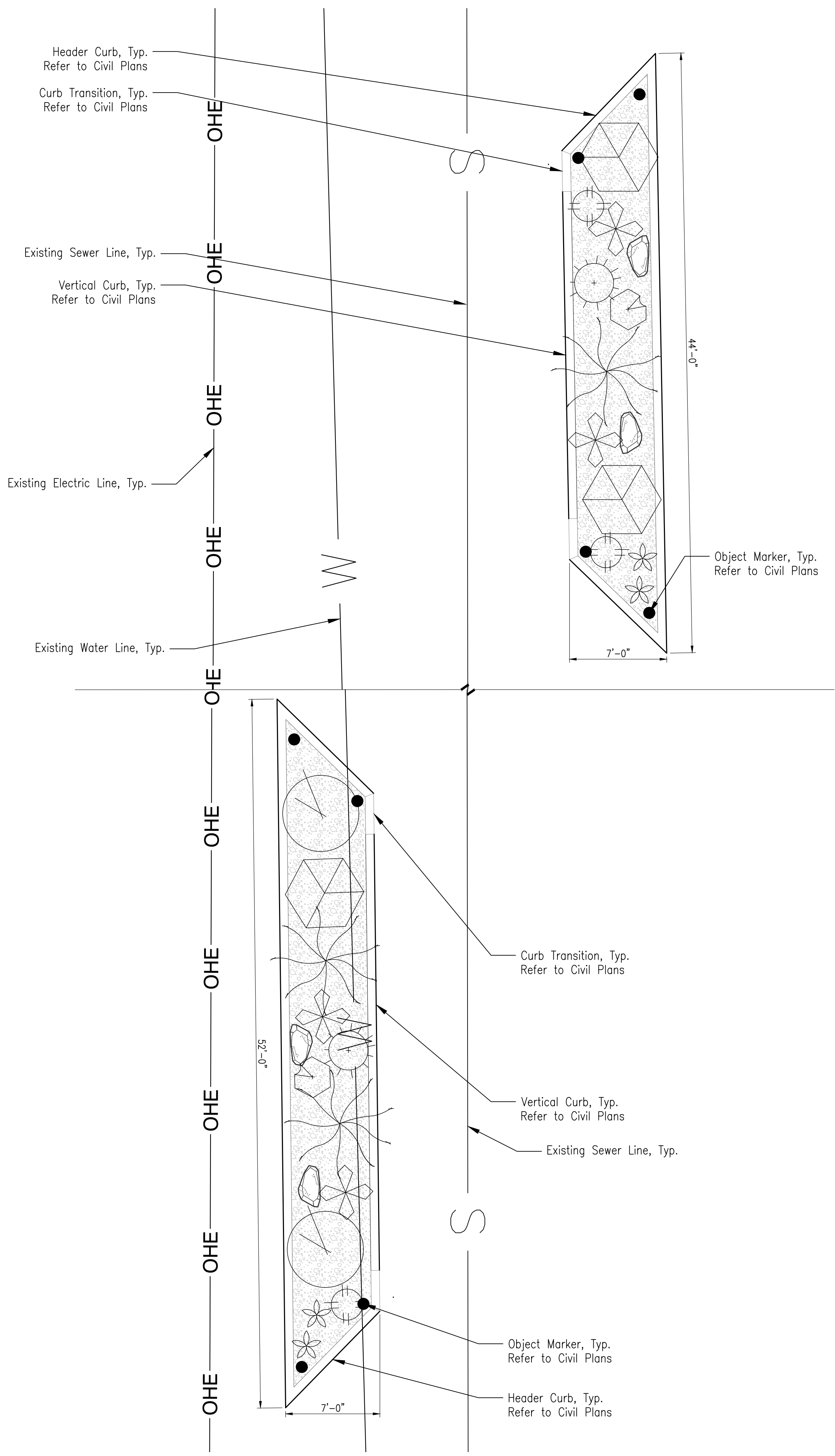
5 OCOTILLO PLANTING (CONTAINER GROWN)
N.T.S.

LP2-01 of LP2-02

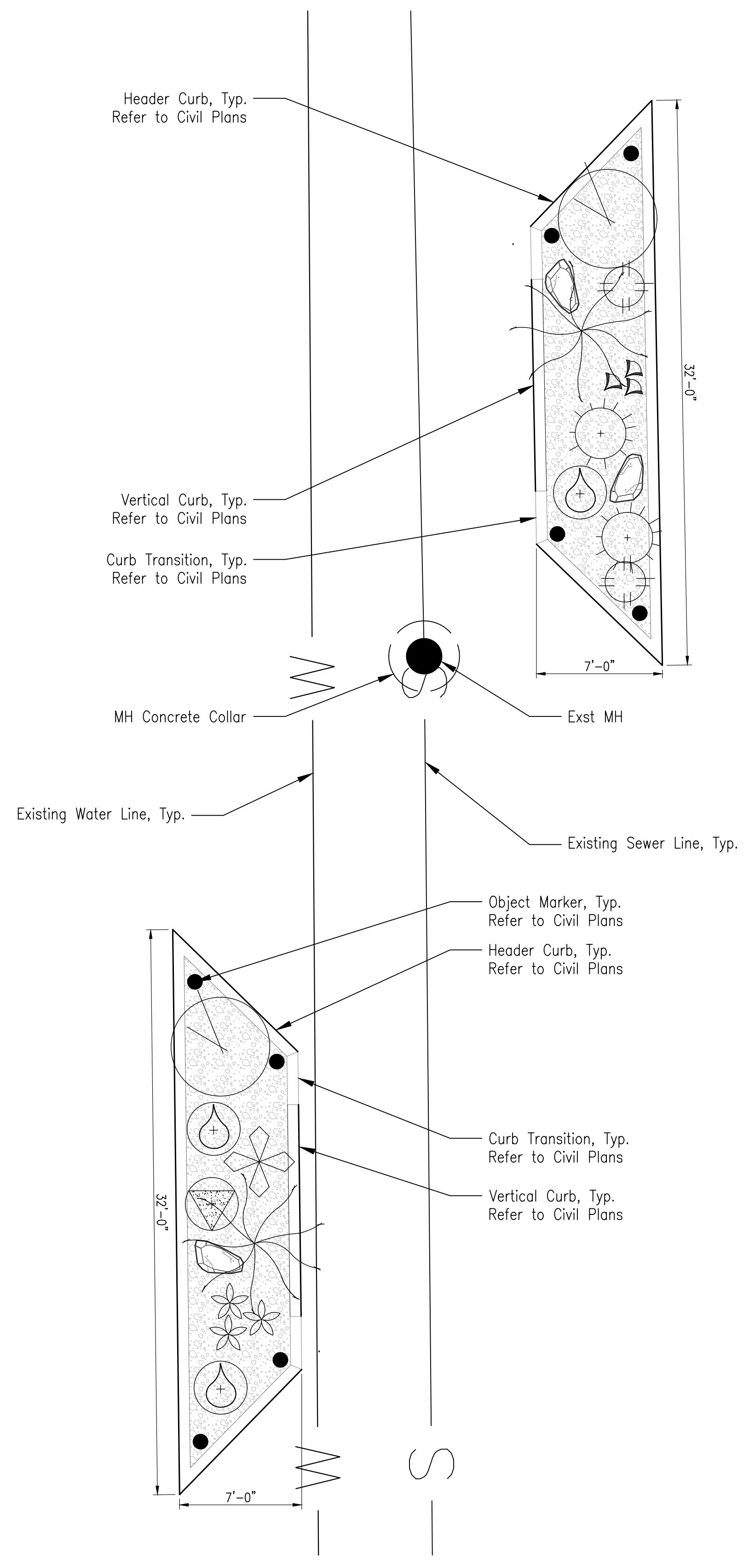
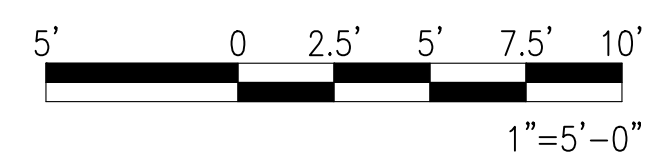
WHEAT DESIGN GROUP LANDSCAPE ARCHITECTS 500 N. TUCSON BLVD, SUITE 150 TUCSON ARIZONA 85714 T: 520 884 7911			DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION 9TH AVE, 5TH ST, AND 9TH ST BICYCLE BOULEVARDS SAINT MARYS RD TO FORT LOWELL RD, EUCLID AVE TO 6TH AVE, AND 4TH AVE TO TREAT AVE Landscape Details					
PRELIMINARY 90% REVIEW NOT FOR CONSTRUCTION OR RECORDING		APPROVALS SIGNATORY DATE	APPROVED _____ 20__ OF TRANSPORTATION DIRECTOR REF. _____ SCALE: _____ PLAN NO. U-2022-006					
NO.	DATE	REVISION DESCRIPTION	BY	CHKD.	APPR.	DRWN. BY WDC 20 23	DSGN. BY WDC 20 23	CHKD. BY LM 20 23

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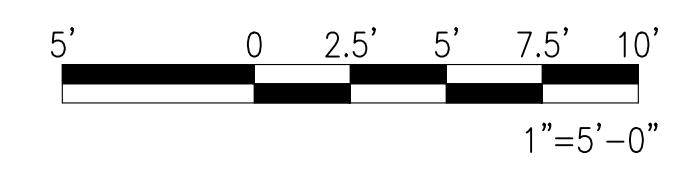
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01 Chicanes at Balboa Avenue between Fort Lowell Road and Delano Street



02 Chicanes at Balboa Avenue between Delano Street and Blacklidge Drive



PLANT SCHEDULE	
TREES	BOTANICAL / COMMON NAME
	<i>Celtis reticulata</i> Canyon Hackberry
	<i>Olneya tesota</i> Desert Ironwood

SHRUBS	BOTANICAL / COMMON NAME
	<i>Ambrosia deltoidea</i> Triangle-Leaf Bursage
	<i>Anisacanthus thurberi</i> Desert Honeysuckle
	<i>Asclepias subulata</i> Desert Milkweed
	<i>Calliandra eriophylla</i> Sonoran Fairy Duster
	<i>Dalea frutescens</i> Black Dalea
	<i>Ericameria laricifolia</i> Turpentine Bush
	<i>Justicia californica</i> Chuparosa
	<i>Larrea tridentata</i> Creosote Bush
	<i>Simmondsia chinensis</i> Jojoba
	<i>Sphaeralcea ambigua</i> Desert Globemallow

CACTI	BOTANICAL / COMMON NAME
	<i>Ferocactus wislizenii</i> Fish Hook Barrel Cactus
	<i>Fouquieria splendens</i> Ocotillo
	<i>Opuntia santa-rita</i> Santa Rita Prickly Pear

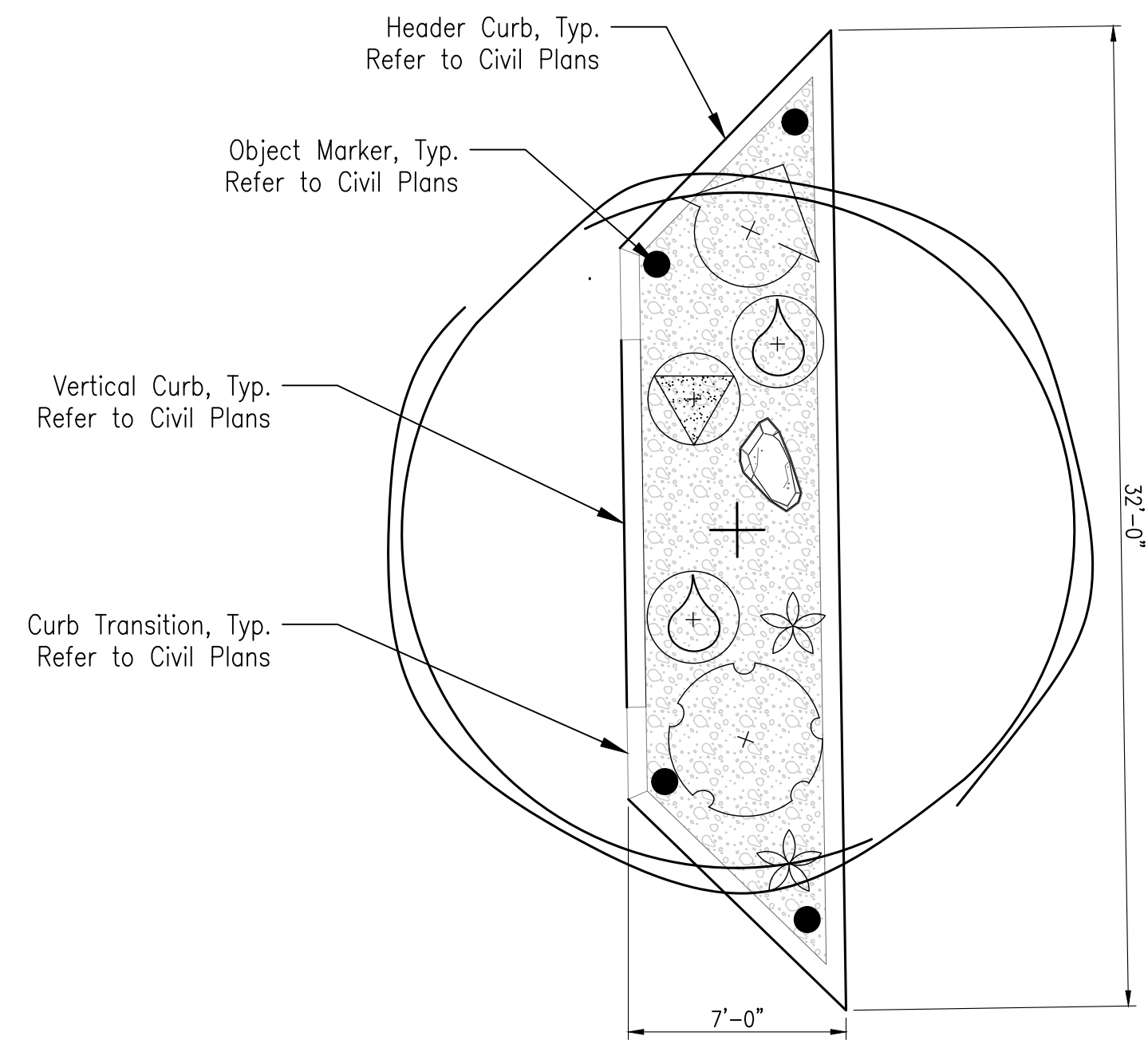
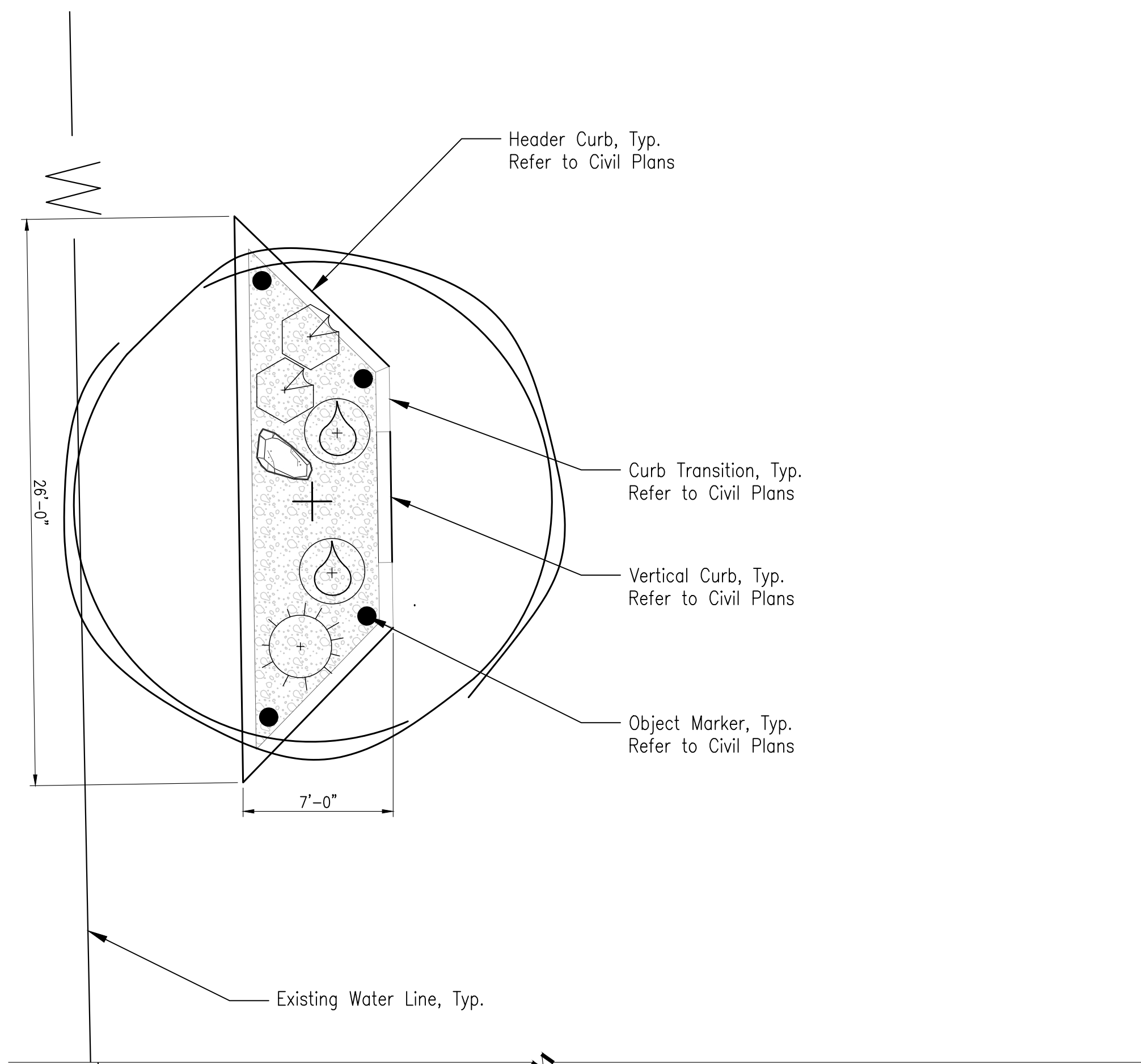
GRASSES	BOTANICAL / COMMON NAME
	<i>Muhlenbergia emersleyi</i> Bullgrass

REFERENCE NOTES SCHEDULE	
SYMBOL	DESCRIPTION
	2' x 2' Boulder
	3' x 3' Boulder
	Desert Cobble
	Grouted Rip Rap

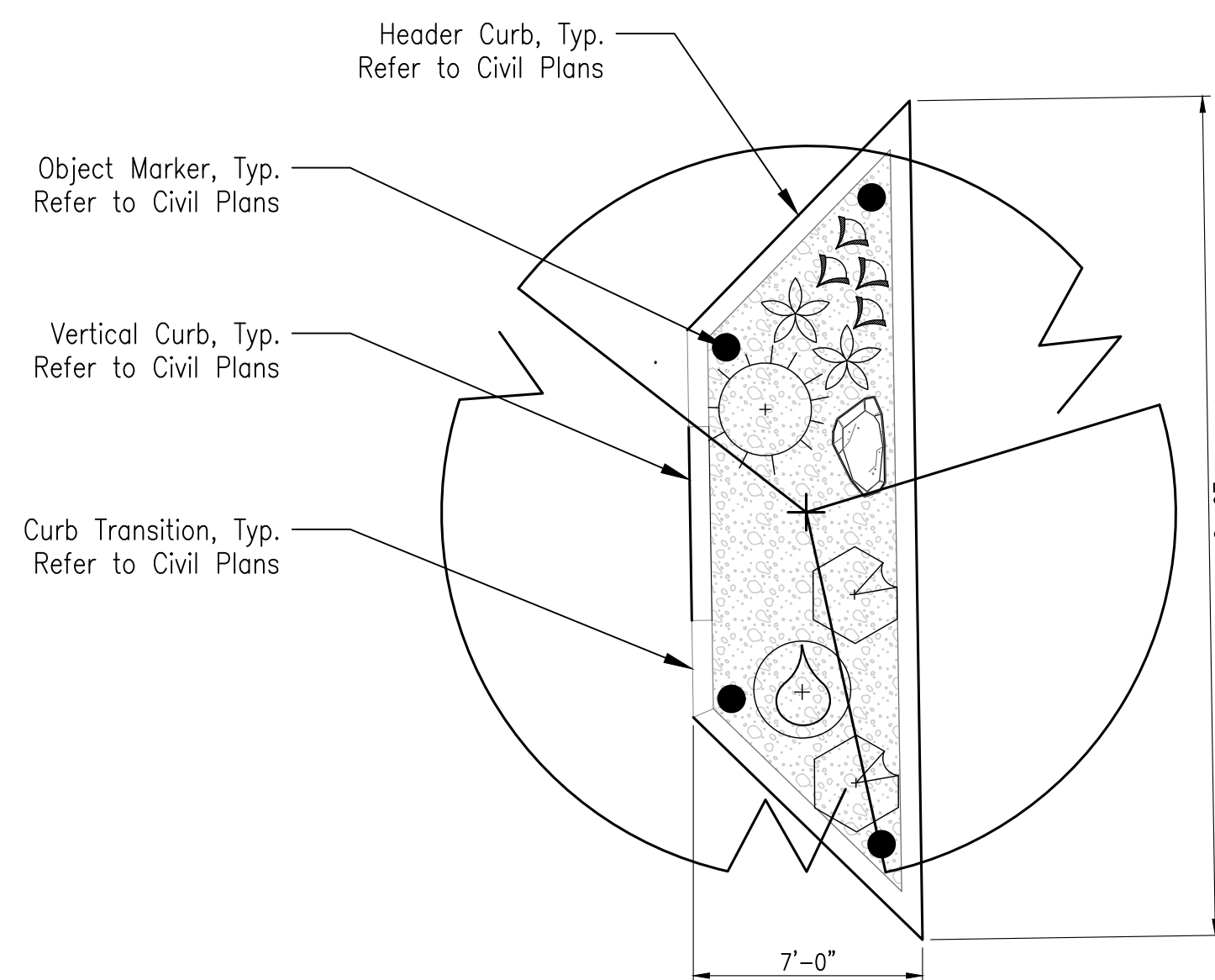
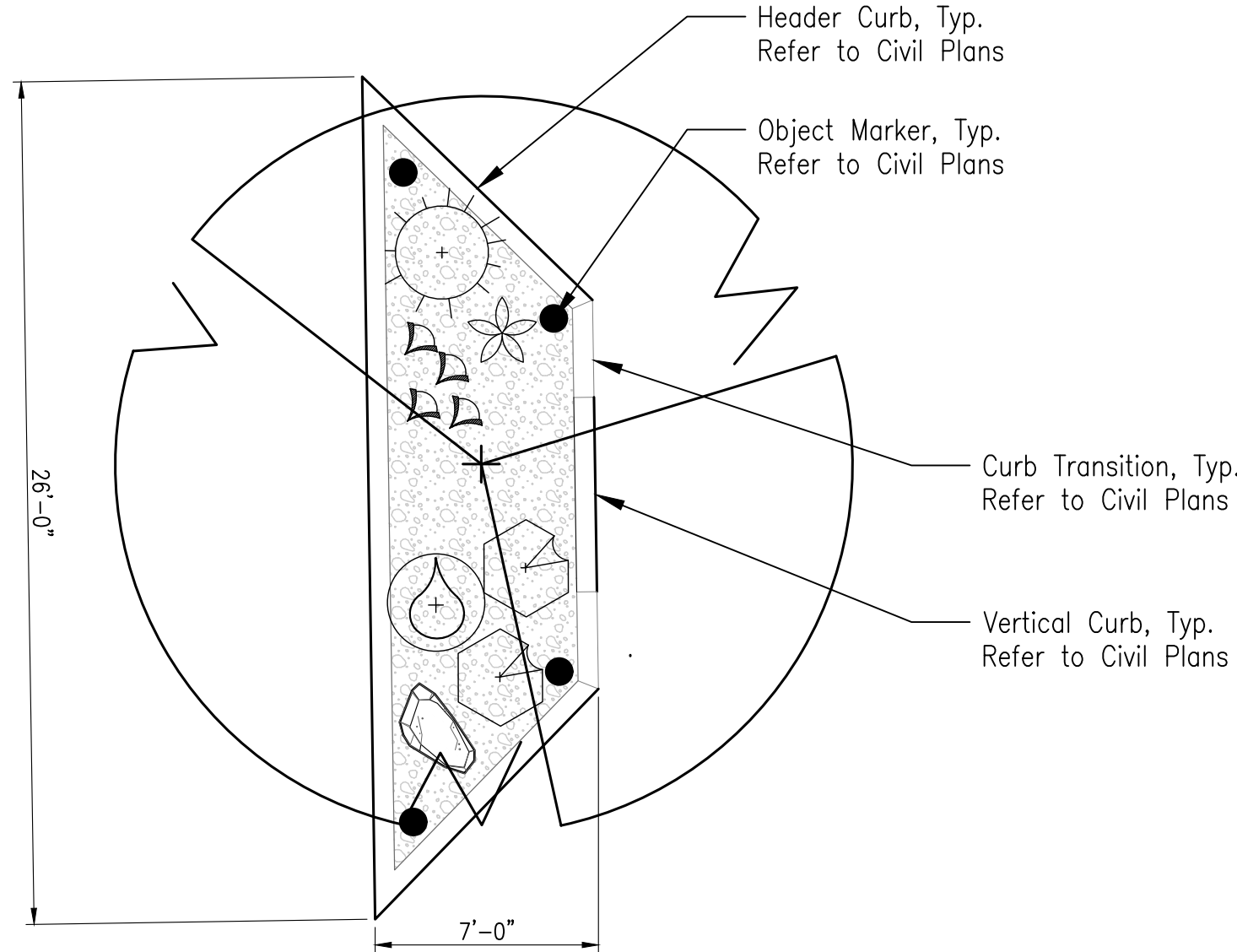
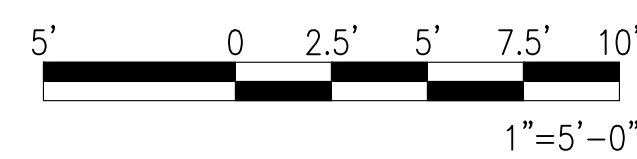
LP3-01 of LP3-11

WHEAT DESIGN GROUP LANDSCAPE ARCHITECTS 500 N. TUCSON BLVD, SUITE 150 TUCSON ARIZONA 85714 T: 520 884 7911			DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION 9TH AVE, 5TH ST, AND 9TH ST BICYCLE BOULEVARDS SAINT MARYS RD TO FORT LOWELL RD, EUCLID AVE TO 6TH AVE, AND 4TH AVE TO TREAT AVE Landscape Plan					
PRELIMINARY 90% REVIEW NOT FOR CONSTRUCTION OR RECORDING		APPROVALS: _____ SIGNATORY: _____ DATE: _____	APPROVED: _____ 20__ OF: _____ TRANSPORTATION DIRECTOR REF: _____ SCALE: _____ PLAN NO. U-2022-006					
NO.	DATE	REVISION DESCRIPTION	BY	CHKD.	APPR.	DRWN. BY WDC 20 23	DSGN. BY WDC 20 23	CHKD. BY LM 20 23

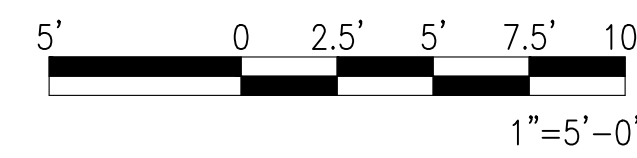




06 Chicanes at 9th Avenue between Grant Road and Sahuaro Street



07 Chicanes at 9th Avenue between Rillito Street and Flores Street



PLANT SCHEDULE	
TREES	BOTANICAL / COMMON NAME
	<i>Celtis reticulata</i> Canyon Hackberry
	<i>Olneya tesota</i> Desert Ironwood

SHRUBS	BOTANICAL / COMMON NAME
	<i>Ambrosia deltoidea</i> Triangle-Leaf Bursage
	<i>Anisacanthus thurberi</i> Desert Honeysuckle
	<i>Asclepias subulata</i> Desert Milkweed
	<i>Calliandra eriophylla</i> Sonoran Fairy Duster
	<i>Dalea frutescens</i> Black Dalea
	<i>Ericameria laricifolia</i> Turpentine Bush
	<i>Justicia californica</i> Chuparosa
	<i>Larrea tridentata</i> Creosote Bush
	<i>Simmondsia chinensis</i> Jojoba
	<i>Sphaeralcea ambigua</i> Desert Globemallow

CACTI	BOTANICAL / COMMON NAME
	<i>Ferocactus wislizenii</i> Fish Hook Barrel Cactus
	<i>Fouquieria splendens</i> Ocotillo
	<i>Opuntia santa-rita</i> Santa Rita Prickly Pear

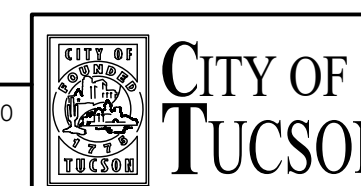
GRASSES	BOTANICAL / COMMON NAME
	<i>Muhlenbergia emersleyi</i> Bullgrass

REFERENCE NOTES SCHEDULE	
SYMBOL	DESCRIPTION
	2' x 2' Boulder
	3' x 3' Boulder
	Desert Cobble
	Grouted Rip Rap

LP3-03 of LP3-11

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION
 9TH AVE, 5TH ST, AND 9TH ST BICYCLE BOULEVARDS
 SAINT MARYS RD TO FORT LOWELL RD, EUCLID AVE TO 6TH AVE, AND 4TH AVE TO TREAT AVE
 Landscape Plan

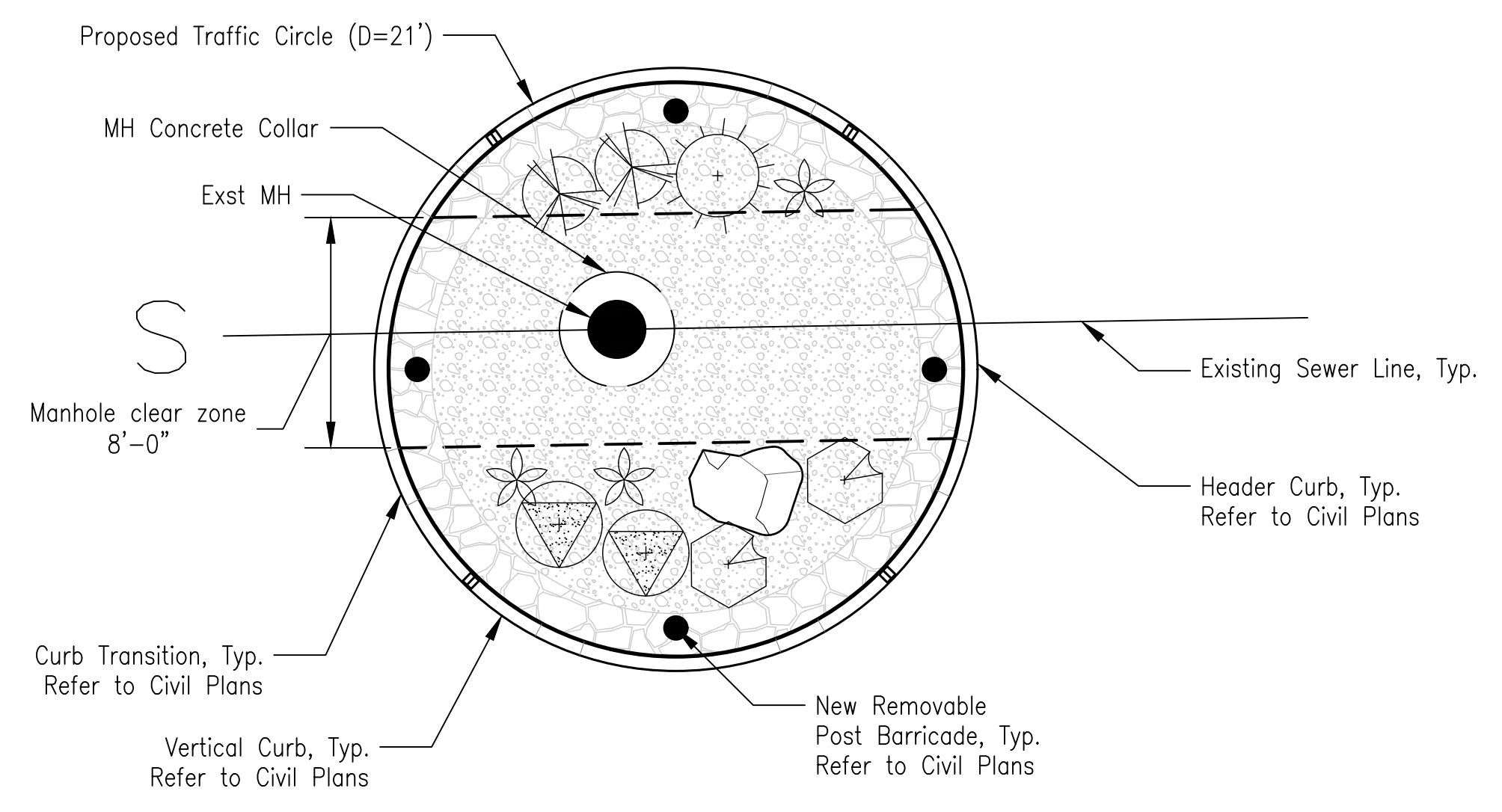
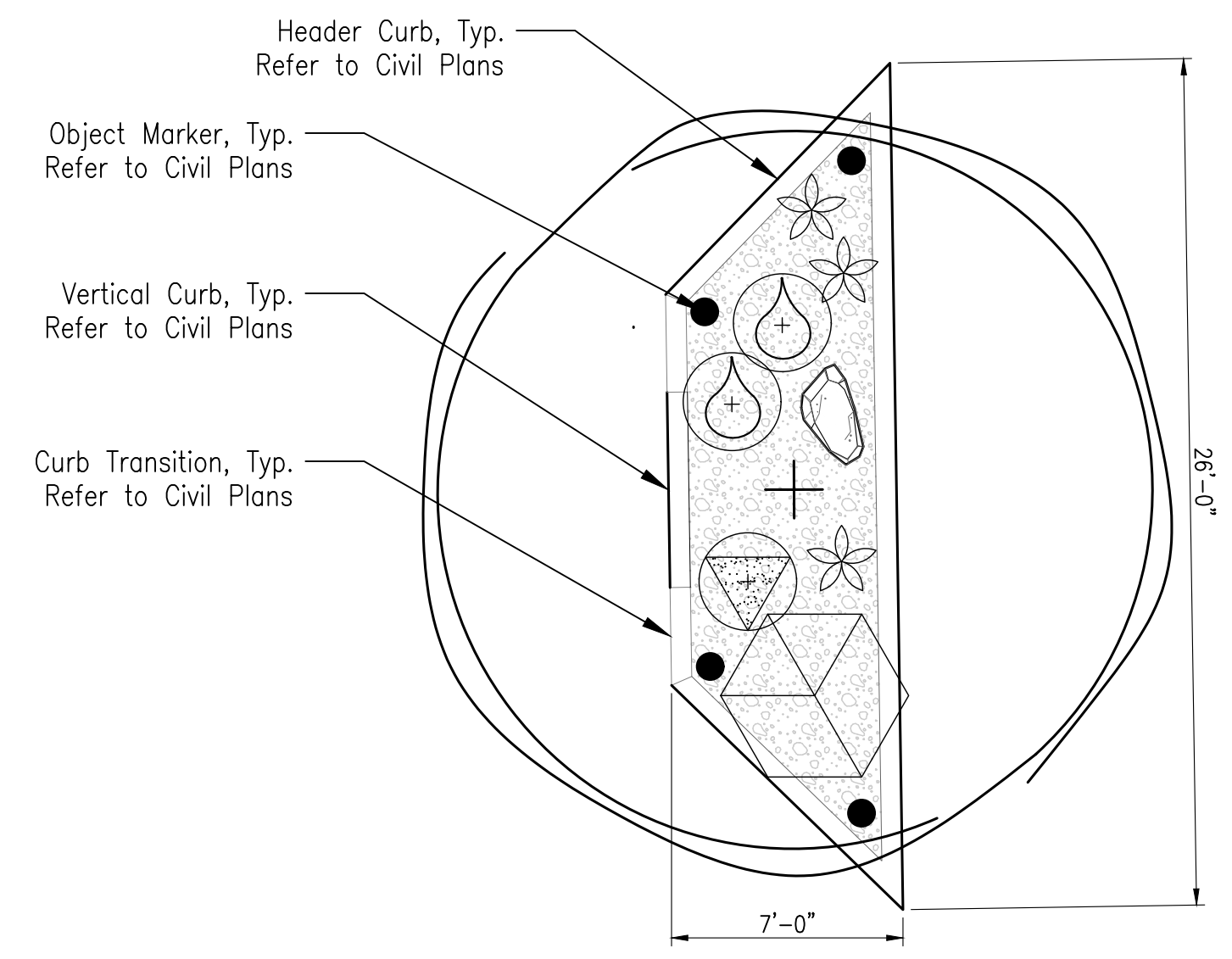
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 500 N. TUCSON BLVD, SUITE 150
 TUCSON ARIZONA 85714
 T: 520 884 7911



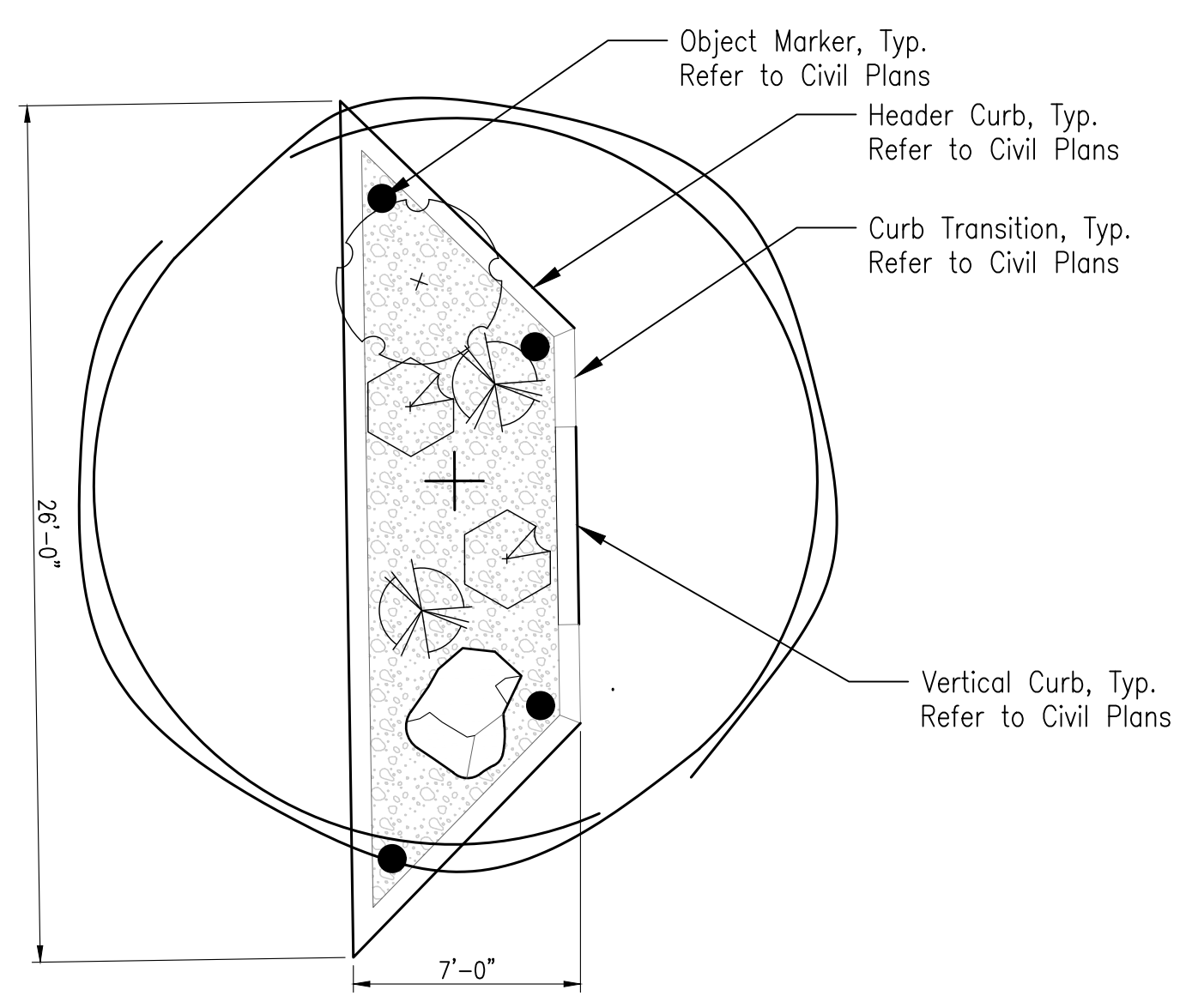
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APPROVALS	SIGNATORY	DATE	APPROVED	66	
				OF	
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			REF. SCALE:		
DRWN. BY WDC	20 23	DSGN. BY WDC	20 23	CHKD. BY LM	20 23
				PLAN NO. U-2022-006	





09 Traffic circle at 9th Avenue and Ventura Street



08 Chicanes at 9th Avenue between Flores Street and Ventura Street

PLANT SCHEDULE	
TREES	BOTANICAL / COMMON NAME
	<i>Celtis reticulata</i> Canyon Hackberry
	<i>Olneya tesota</i> Desert Ironwood

SHRUBS	BOTANICAL / COMMON NAME	CACTI	BOTANICAL / COMMON NAME
	<i>Ambrosia deltoidea</i> Triangle-Leaf Bursage		<i>Ferocactus wislizenii</i> Fish Hook Barrel Cactus
	<i>Anisacanthus thurberi</i> Desert Honeysuckle		<i>Fouquieria splendens</i> Ocotillo
	<i>Asclepias subulata</i> Desert Milkweed		<i>Opuntia santa-rita</i> Santa Rita Prickly Pear
	<i>Calliandra eriophylla</i> Sonoran Fairy Duster		
	<i>Dalea frutescens</i> Black Dalea		
	<i>Ericameria laricifolia</i> Turpentine Bush		
	<i>Justicia californica</i> Chuparosa		
	<i>Larrea tridentata</i> Creosote Bush		
	<i>Simmondsia chinensis</i> Jojoba		
	<i>Sphaeralcea ambigua</i> Desert Globemallow		

GRASSES	BOTANICAL / COMMON NAME
	<i>Muhlenbergia emersleyi</i> Bullgrass

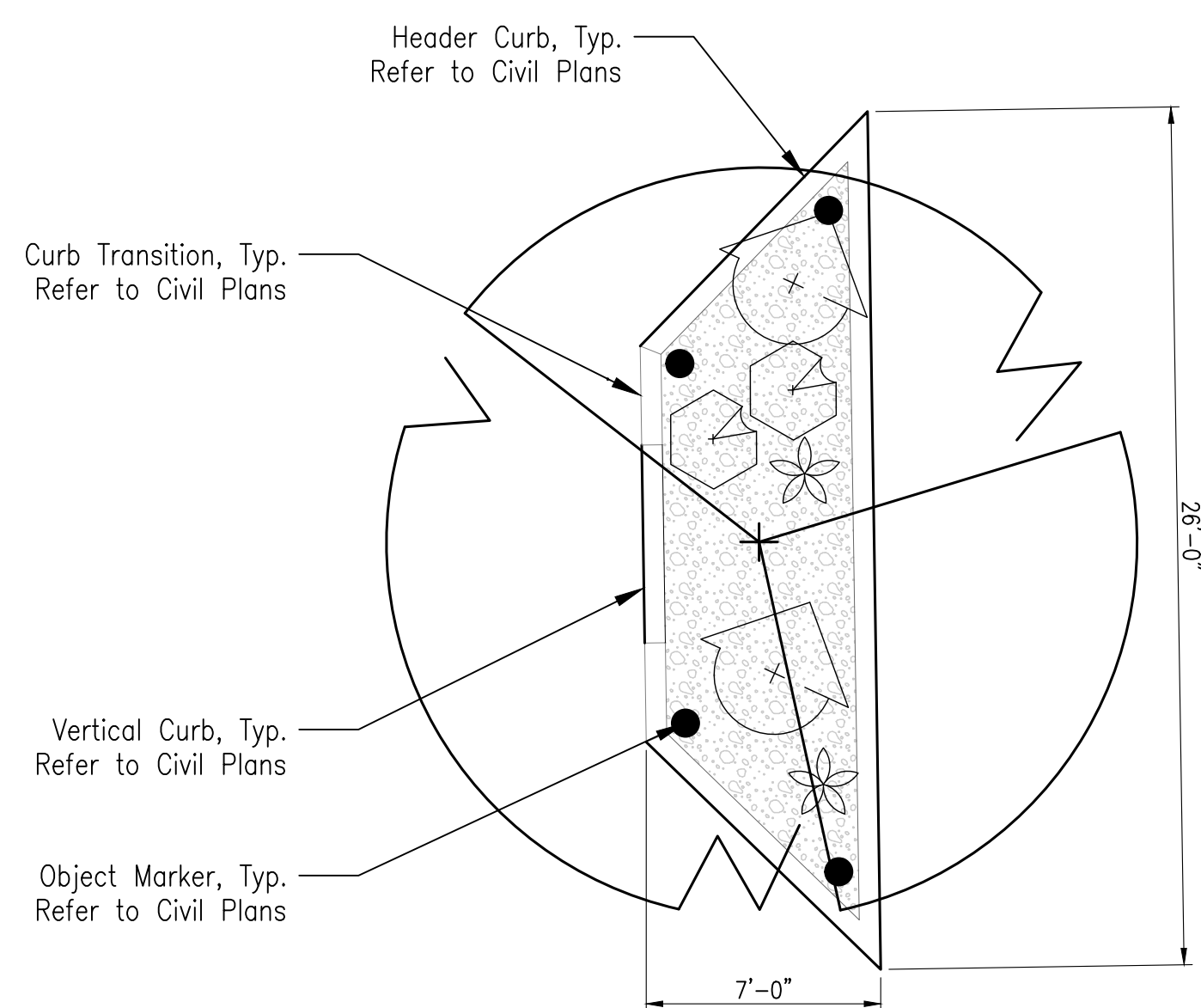
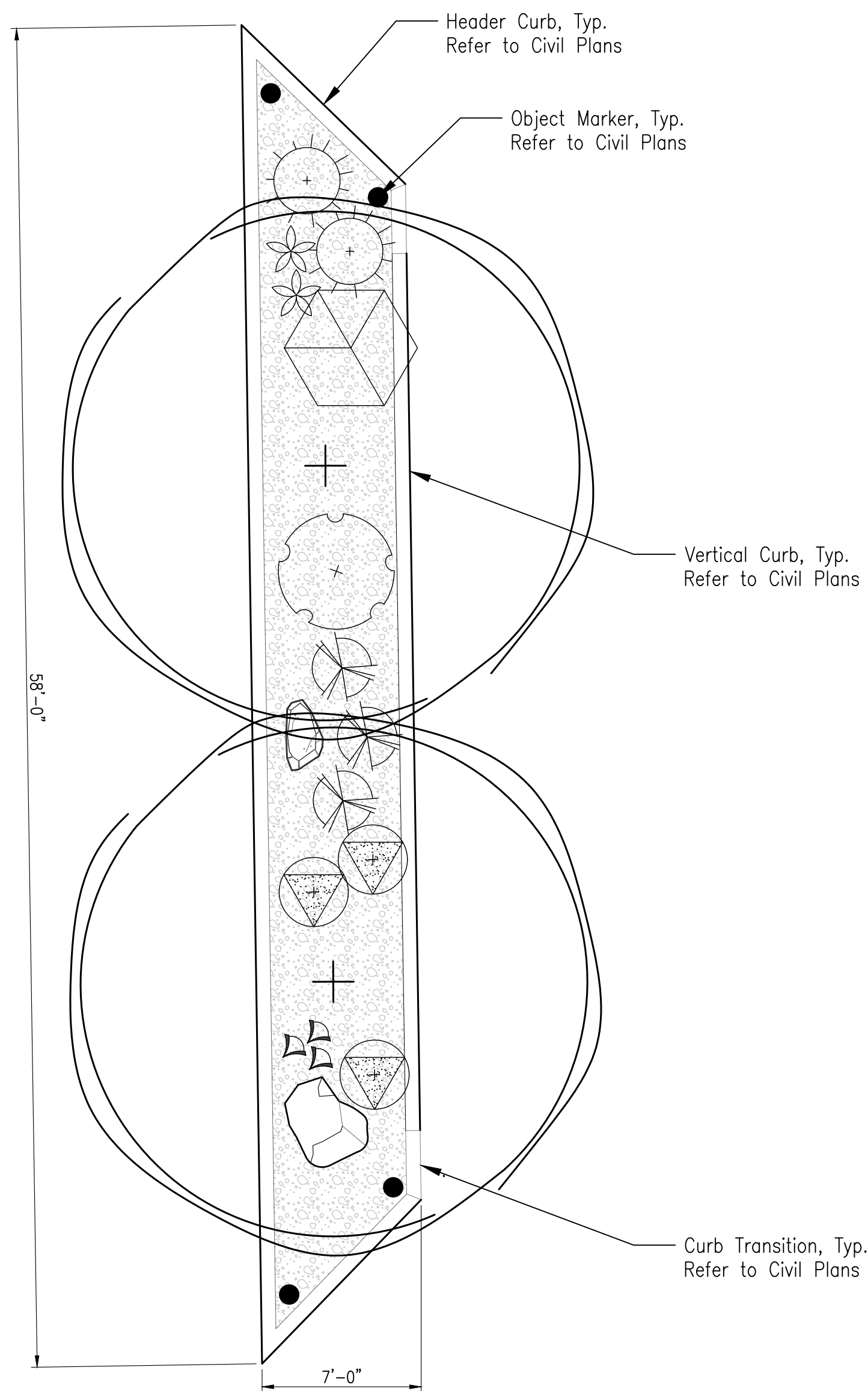
REFERENCE NOTES SCHEDULE	
SYMBOL	DESCRIPTION
	2' x 2' Boulder
	3' x 3' Boulder
	Desert Cobble
	Grouted Rip Rap

LP3-04 of LP3-11

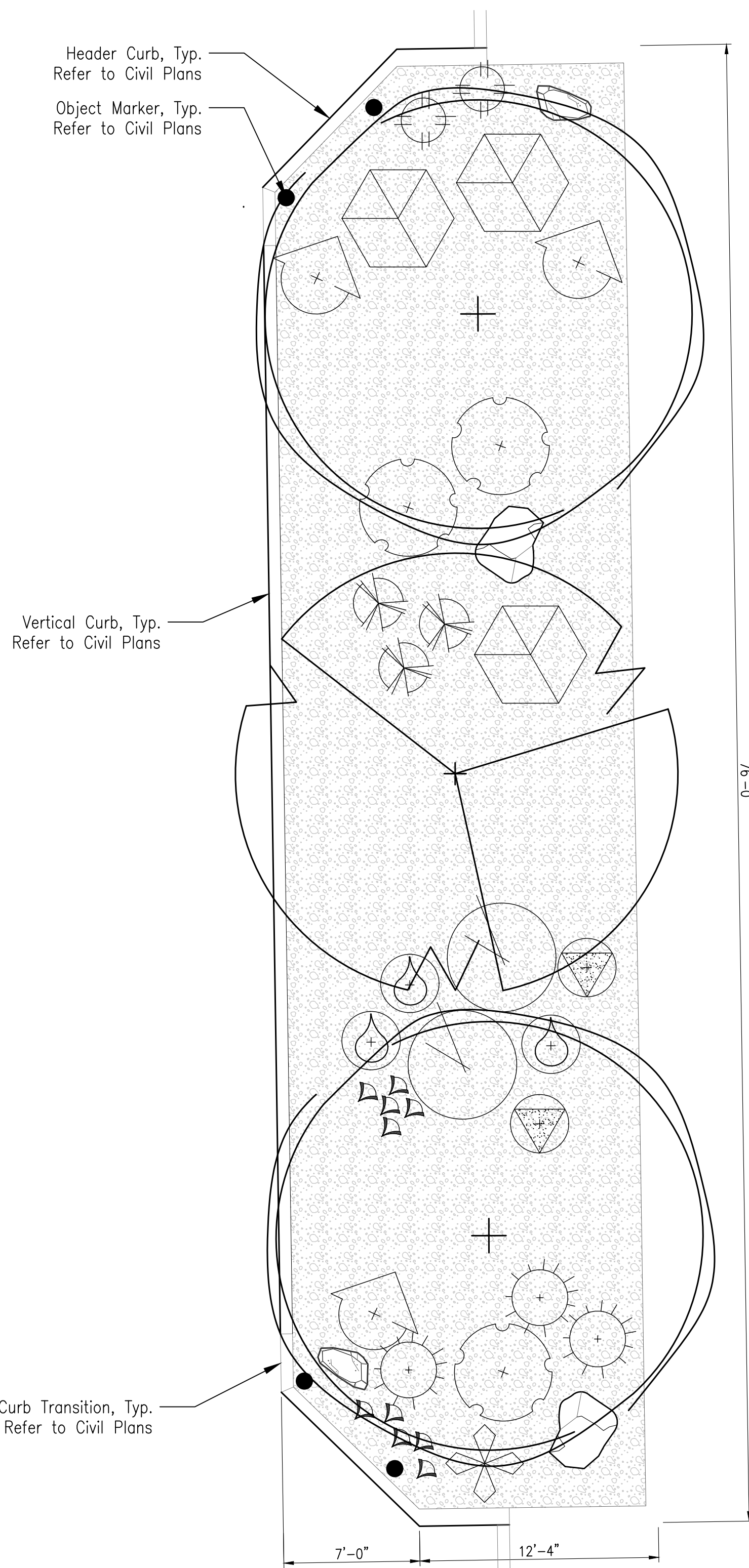
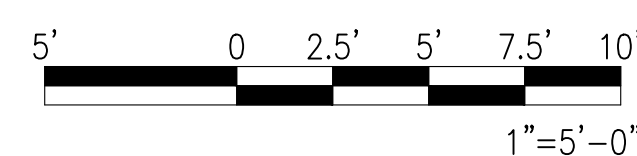
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PRELIMINARY 90% REVIEW NOT FOR CONSTRUCTION OR RECORDING		APPROVALS: _____ SIGNATORY: _____ DATE: _____ APPROVED: _____ 20__ OF 67 TRANSPORTATION DIRECTOR REF: _____ SCALE: _____ PLAN NO. U-2022-006	DRWN. BY: <u>WDC</u> 20 <u>23</u> DSGN. BY: <u>WDC</u> 20 <u>23</u> CHKD. BY: <u>LM</u> 20 <u>23</u>		
NO.	DATE	REVISION DESCRIPTION	BY	CHKD.	APPR.

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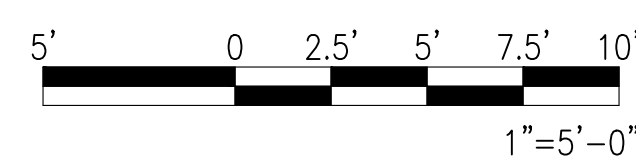


10 Chicanes at 9th Avenue between Ventura Street and Plata Street



11 Chicanes at 9th Avenue between Plata Street and Lester Street - North

Chicane can extend to the sidewalk



PLANT SCHEDULE	
TREES	BOTANICAL / COMMON NAME
	<i>Celtis reticulata</i> Canyon Hackberry
	<i>Olneya tesota</i> Desert Ironwood

SHRUBS	BOTANICAL / COMMON NAME	CACTI	BOTANICAL / COMMON NAME
	<i>Ambrosia deltoidea</i> Triangle-Leaf Bursage		<i>Ferocactus wislizenii</i> Fish Hook Barrel Cactus
	<i>Anisacanthus thurberi</i> Desert Honeysuckle		<i>Fouquieria splendens</i> Ocotillo
	<i>Asclepias subulata</i> Desert Milkweed		<i>Opuntia santa-rita</i> Santa Rita Prickly Pear
	<i>Calliandra eriophylla</i> Sonoran Fairy Duster		
	<i>Dalea frutescens</i> Black Dalea		
	<i>Ericameria laricifolia</i> Turpentine Bush		
	<i>Justicia californica</i> Chuparosa		
	<i>Larrea tridentata</i> Creosote Bush		
	<i>Simmondsia chinensis</i> Jojoba		
	<i>Sphaeralcea ambigua</i> Desert Globemallow		

GRASSES	BOTANICAL / COMMON NAME
	<i>Muhlenbergia emersleyi</i> Bullgrass

REFERENCE NOTES SCHEDULE	
SYMBOL	DESCRIPTION
	2' x 2' Boulder
	3' x 3' Boulder
	Desert Cobble
	Grouted Rip Rap

LP3-05 of LP3-11

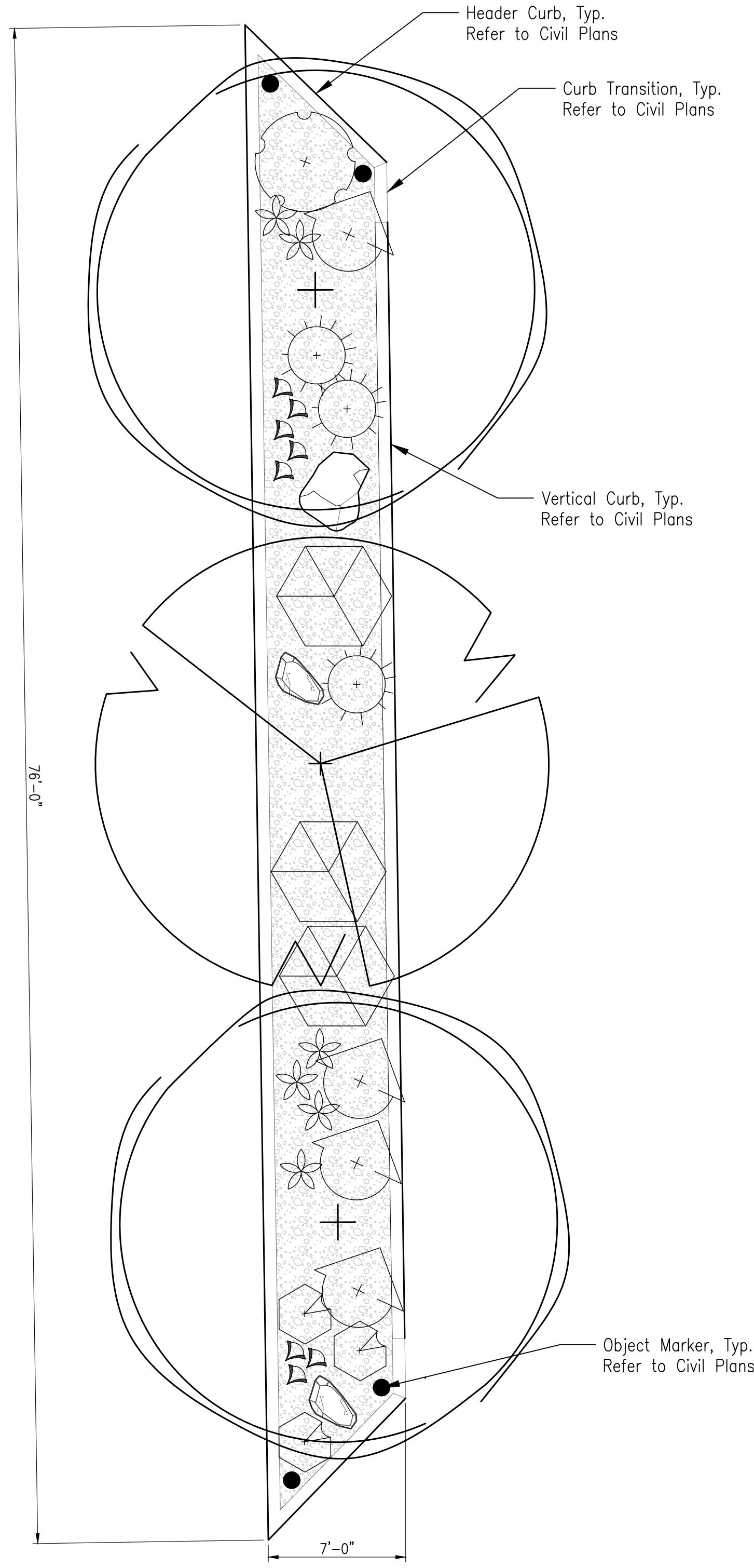
WHEAT DESIGN GROUP		500 N. TUCSON BLVD, SUITE 150 TUCSON ARIZONA 85714 T: 520 884 7911	
NO.	DATE	REVISION DESCRIPTION	BY

CITY OF TUCSON

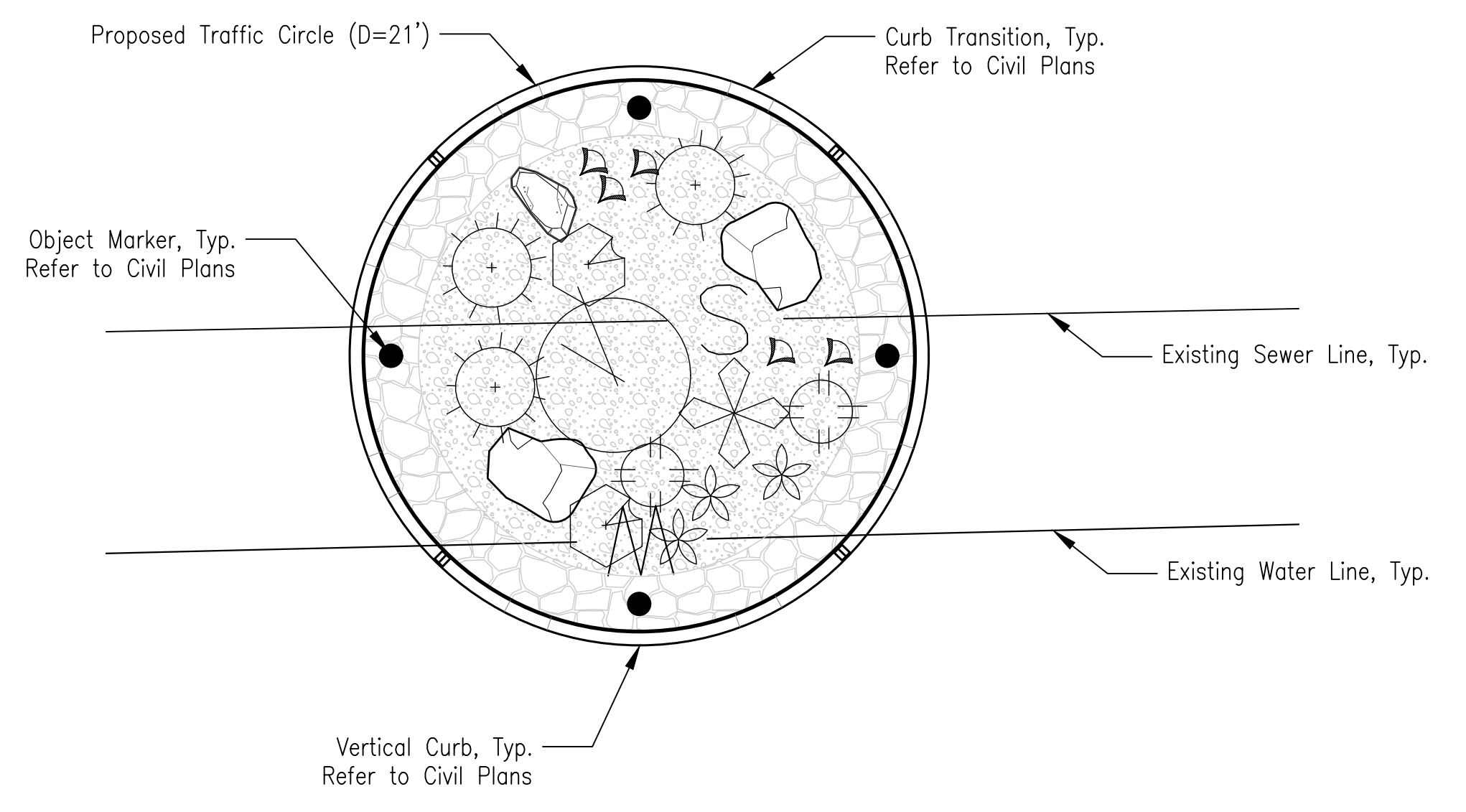
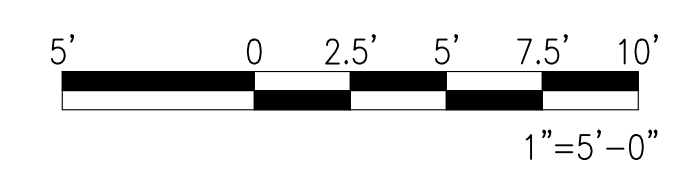
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REVIEW
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OR RECORDING

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION			
9TH AVE, 5TH ST, AND 9TH ST BICYCLE BOULEVARDS			
SAINT MARYS RD TO FORT LOWELL RD, EUCLID AVE TO 6TH AVE, AND 4TH AVE TO TREAT AVE			
Landscape Plan			
APPROVALS	SIGNATORY	DATE	
			APPROVED _____ 20__ OF 68
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			PLAN NO. U-2022-006

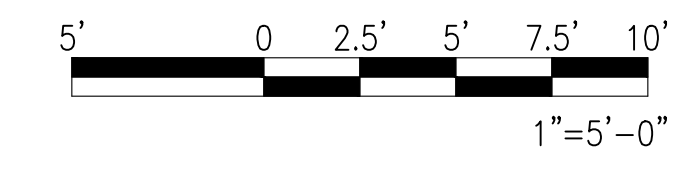




11 Chicanes at 9th Avenue between Plata Street and Lester Street - South



12 Traffic circle at 9th Avenue and Lester Street



PLANT SCHEDULE	
TREES	BOTANICAL / COMMON NAME
	<i>Celtis reticulata</i> Canyon Hackberry
	<i>Olneya tesota</i> Desert Ironwood

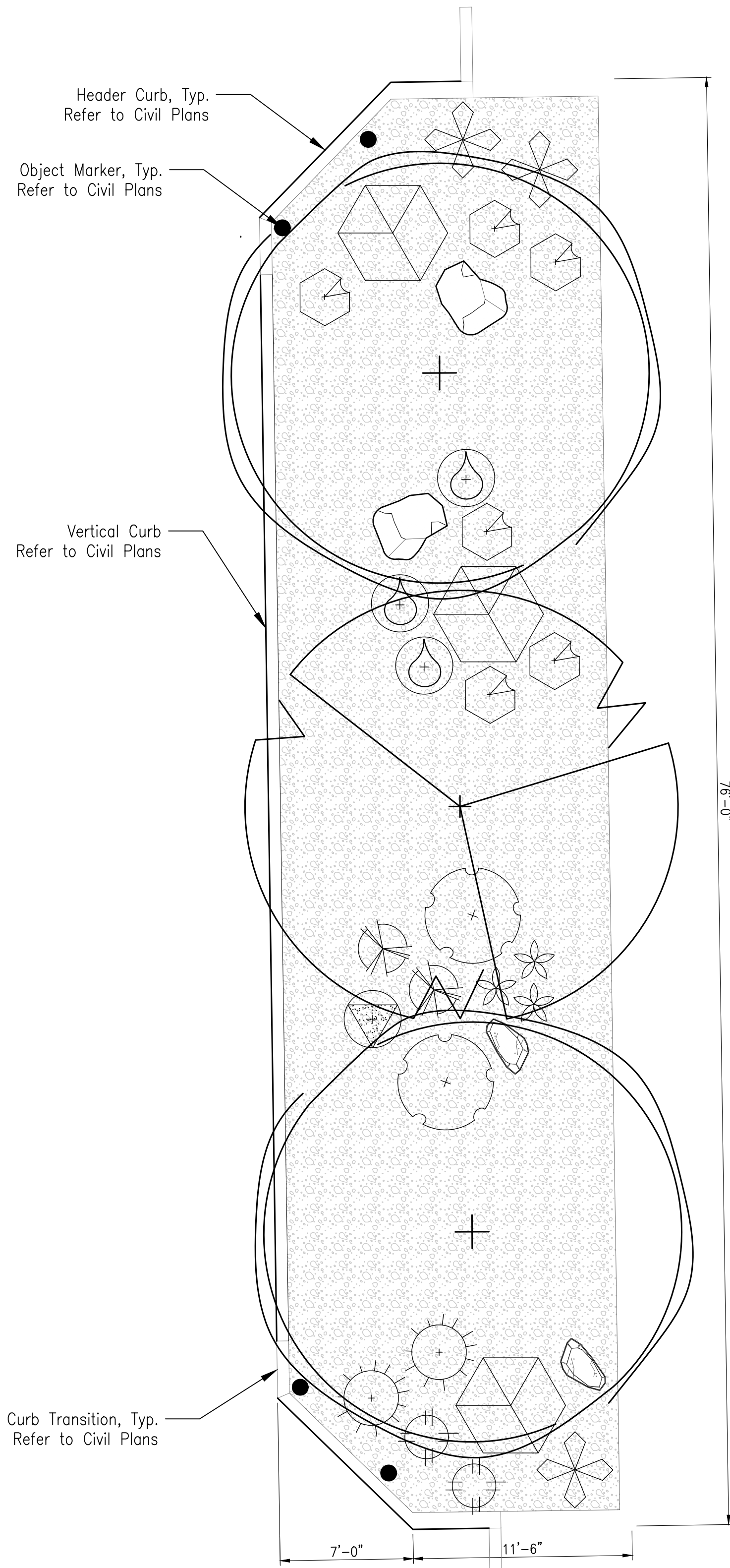
SHRUBS	BOTANICAL / COMMON NAME	CACTI	BOTANICAL / COMMON NAME
	<i>Ambrosia deltoidea</i> Triangle-Leaf Bursage		<i>Ferocactus wislizenii</i> Fish Hook Barrel Cactus
	<i>Anisacanthus thurberi</i> Desert Honeysuckle		<i>Fouquieria splendens</i> Ocotillo
	<i>Asclepias subulata</i> Desert Milkweed		<i>Opuntia santa-rita</i> Santa Rita Prickly Pear
	<i>Calliandra eriophylla</i> Sonoran Fairy Duster	GRASSES	
	<i>Dalea frutescens</i> Black Dalea		
	<i>Ericameria laricifolia</i> Turpentine Bush		<i>Muhlenbergia emersleyi</i> Bullgrass
	<i>Justicia californica</i> Chuparosa	REFERENCE NOTES SCHEDULE	
	<i>Larrea tridentata</i> Creosote Bush		
	<i>Simmondsia chinensis</i> Jojoba		
	<i>Sphaeralcea ambigua</i> Desert Globemallow		
		SYMBOL	DESCRIPTION
			2' x 2' Boulder
			3' x 3' Boulder
			Desert Cobble
			Grouted Rip Rap

LP3-06 of LP3-11

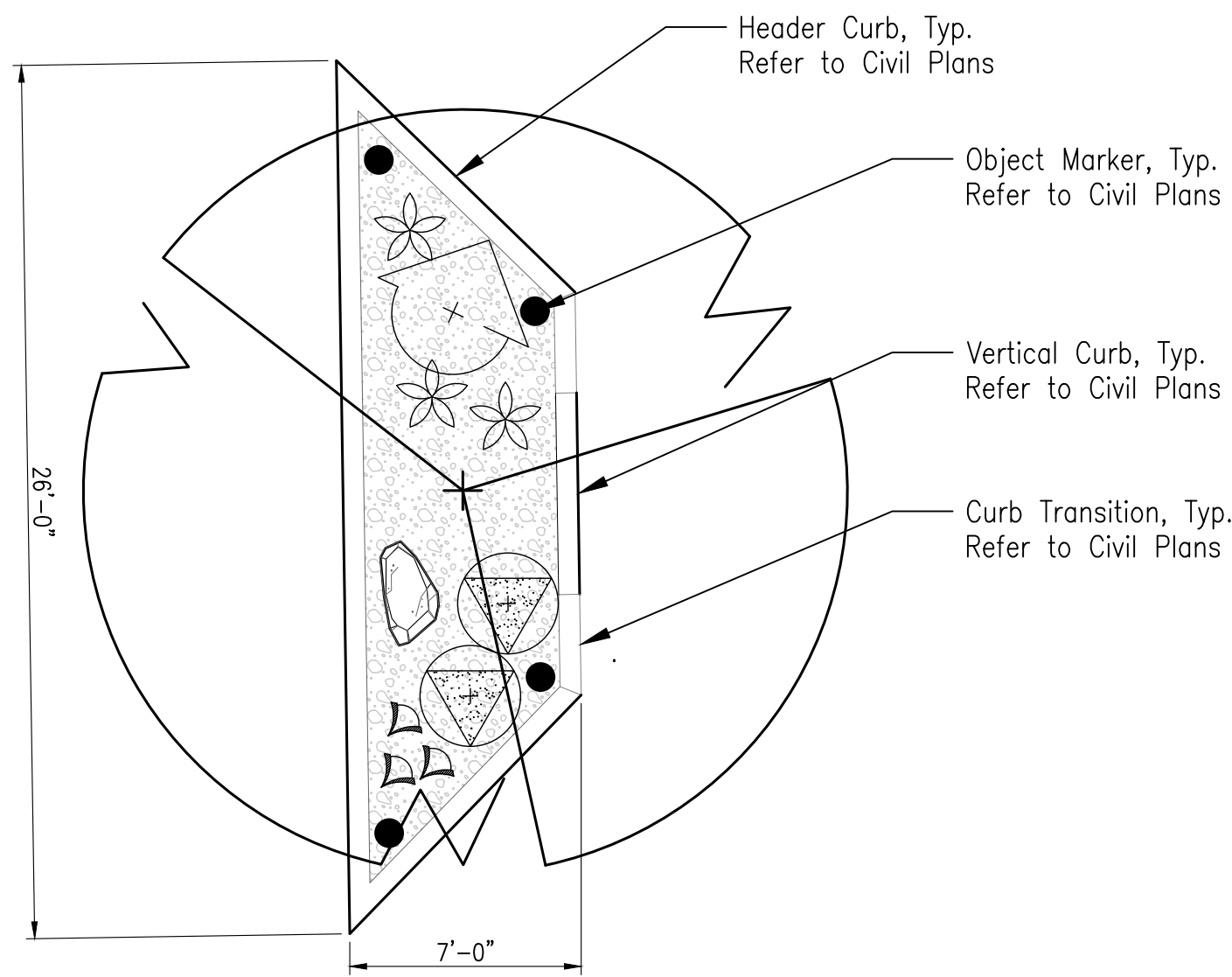
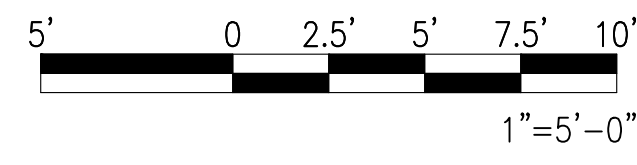
WHEAT DESIGN GROUP LANDSCAPE ARCHITECTS 500 N. TUCSON BLVD, SUITE 150 TUCSON ARIZONA 85714 T: 520 884 7911			DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION 9TH AVE, 5TH ST, AND 9TH ST BICYCLE BOULEVARDS SAINT MARYS RD TO FORT LOWELL RD, EUCLID AVE TO 6TH AVE, AND 4TH AVE TO TREAT AVE Landscape Plan					
PRELIMINARY 90% REVIEW NOT FOR CONSTRUCTION OR RECORDING		APPROVALS SIGNATORY DATE	APPROVED _____ 20__ OF TRANSPORTATION DIRECTOR REF. _____ SCALE: PLAN NO. U-2022-006					
NO.	DATE	REVISION DESCRIPTION	BY	CHKD.	APPR.	DRWN. BY <u>WDC</u> 20 <u>23</u>	DSGN. BY <u>WDC</u> 20 <u>23</u>	CHKD. BY <u>LM</u> 20 <u>23</u>

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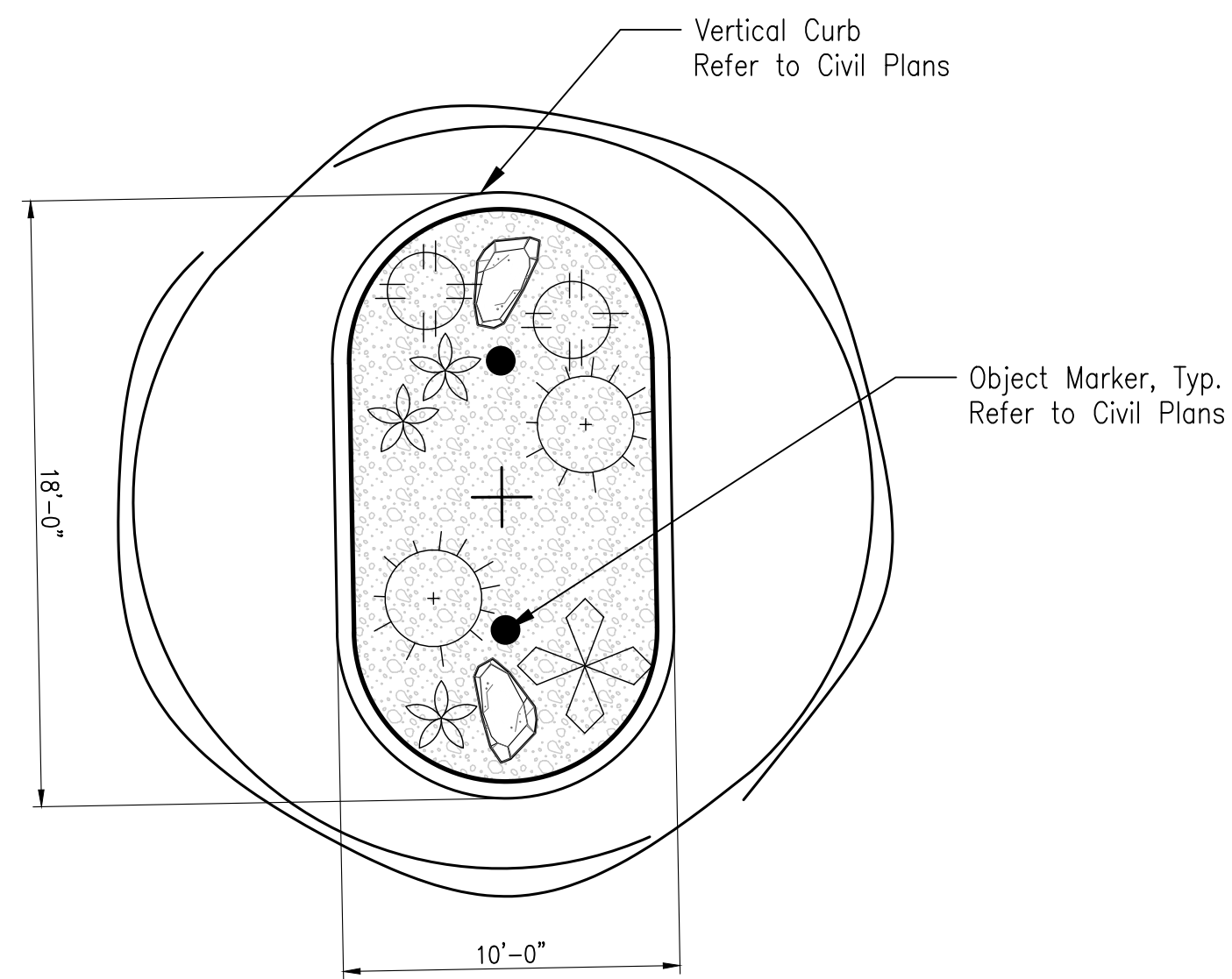
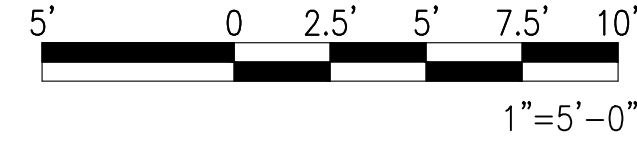




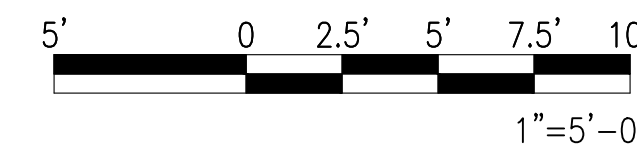
13 Chicane at 9th Avenue between Lester Street and Elm Street - North
Chicane can extend to sidewalk



13 Chicane at 9th Avenue between Lester Street and Elm Street - South



14 Center island at 9th Avenue between Lee Street and Adams Street



PLANT SCHEDULE	
TREES	BOTANICAL / COMMON NAME
	<i>Celtis reticulata</i> Canyon Hackberry
	<i>Olneya tesota</i> Desert Ironwood

SHRUBS	BOTANICAL / COMMON NAME	CACTI	BOTANICAL / COMMON NAME
	<i>Ambrosia deltoidea</i> Triangle-Leaf Bursage		<i>Ferocactus wislizenii</i> Fish Hook Barrel Cactus
	<i>Anisacanthus thurberi</i> Desert Honeysuckle		<i>Fouquieria splendens</i> Ocotillo
	<i>Asclepias subulata</i> Desert Milkweed		<i>Opuntia santa-rita</i> Santa Rita Prickly Pear
	<i>Calliandra eriophylla</i> Sonoran Fairy Duster		
	<i>Dalea frutescens</i> Black Dalea		
	<i>Ericameria laricifolia</i> Turpentine Bush		
	<i>Justicia californica</i> Chuparosa		
	<i>Larrea tridentata</i> Creosote Bush		
	<i>Simmondsia chinensis</i> Jojoba		
	<i>Sphaeralcea ambigua</i> Desert Globemallow		

GRASSES	BOTANICAL / COMMON NAME
	<i>Muhlenbergia emersleyi</i> Bullgrass

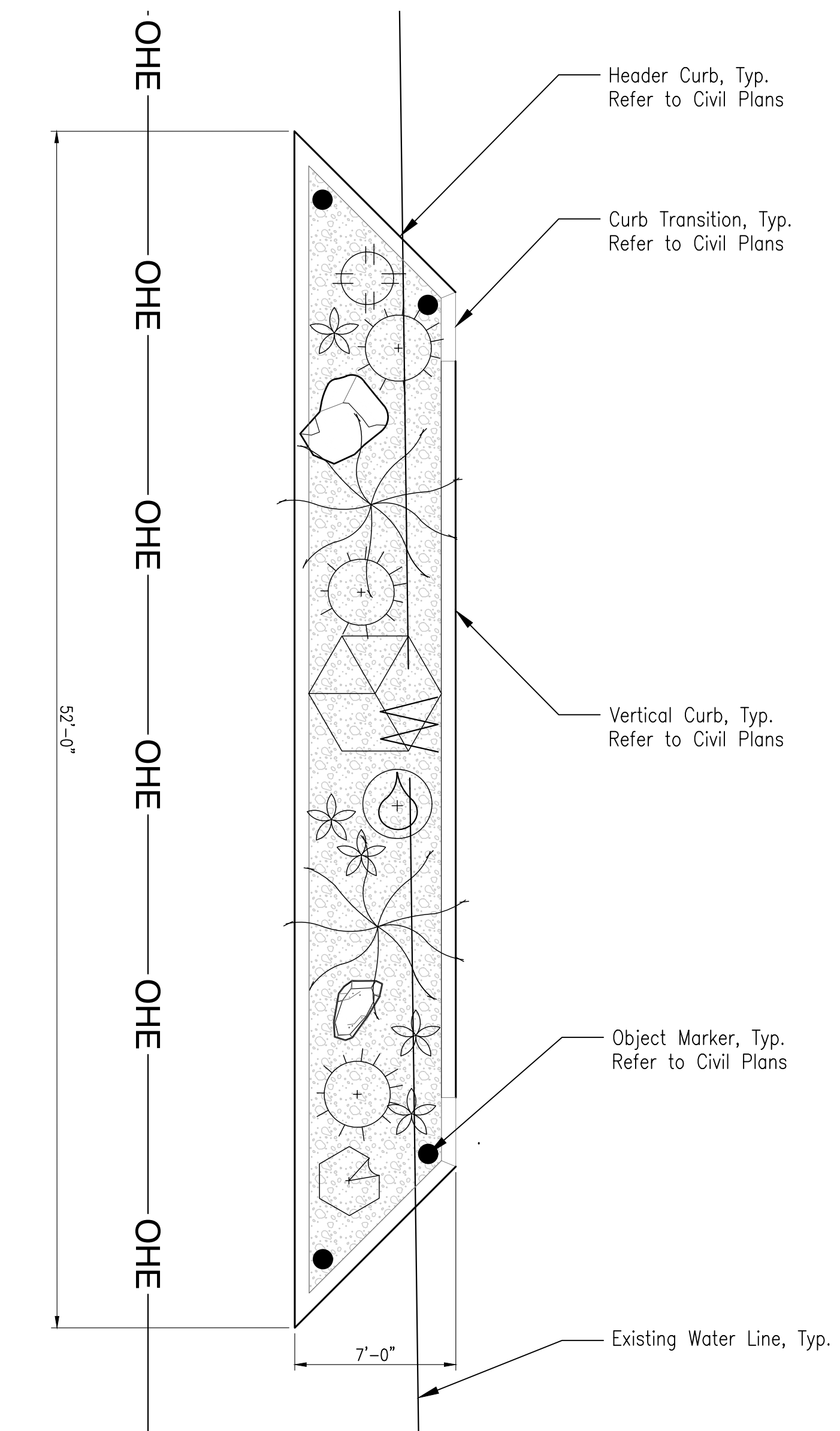
REFERENCE NOTES SCHEDULE	
SYMBOL	DESCRIPTION
	2' x 2' Boulder
	3' x 3' Boulder
	Desert Cobble
	Grouted Rip Rap

WHEAT DESIGN GROUP LANDSCAPE ARCHITECTS 500 N. TUCSON BLVD. SUITE 150 TUCSON ARIZONA 85716 T. 520.884.7911			DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION 9TH AVE, 5TH ST, AND 9TH ST BICYCLE BOULEVARDS SAINT MARYS RD TO FORT LOWELL RD, EUCLID AVE TO 6TH AVE, AND 4TH AVE TO TREAT AVE Landscape Plan		
PRELIMINARY 90% REVIEW NOT FOR CONSTRUCTION OR RECORDING		APPROVALS: _____ SIGNATORY: _____ DATE: _____ APPROVED: _____ 20__ OF _____ 74 TRANSPORTATION DIRECTOR REF: _____ SCALE: _____ DRWN. BY: WDG 20 23 DSGN. BY: WDG 20 23 CHKD. BY: LM 20 23 PLAN NO. U-2022-006			
NO.	DATE	REVISION DESCRIPTION	BY	CHKD.	APPR.

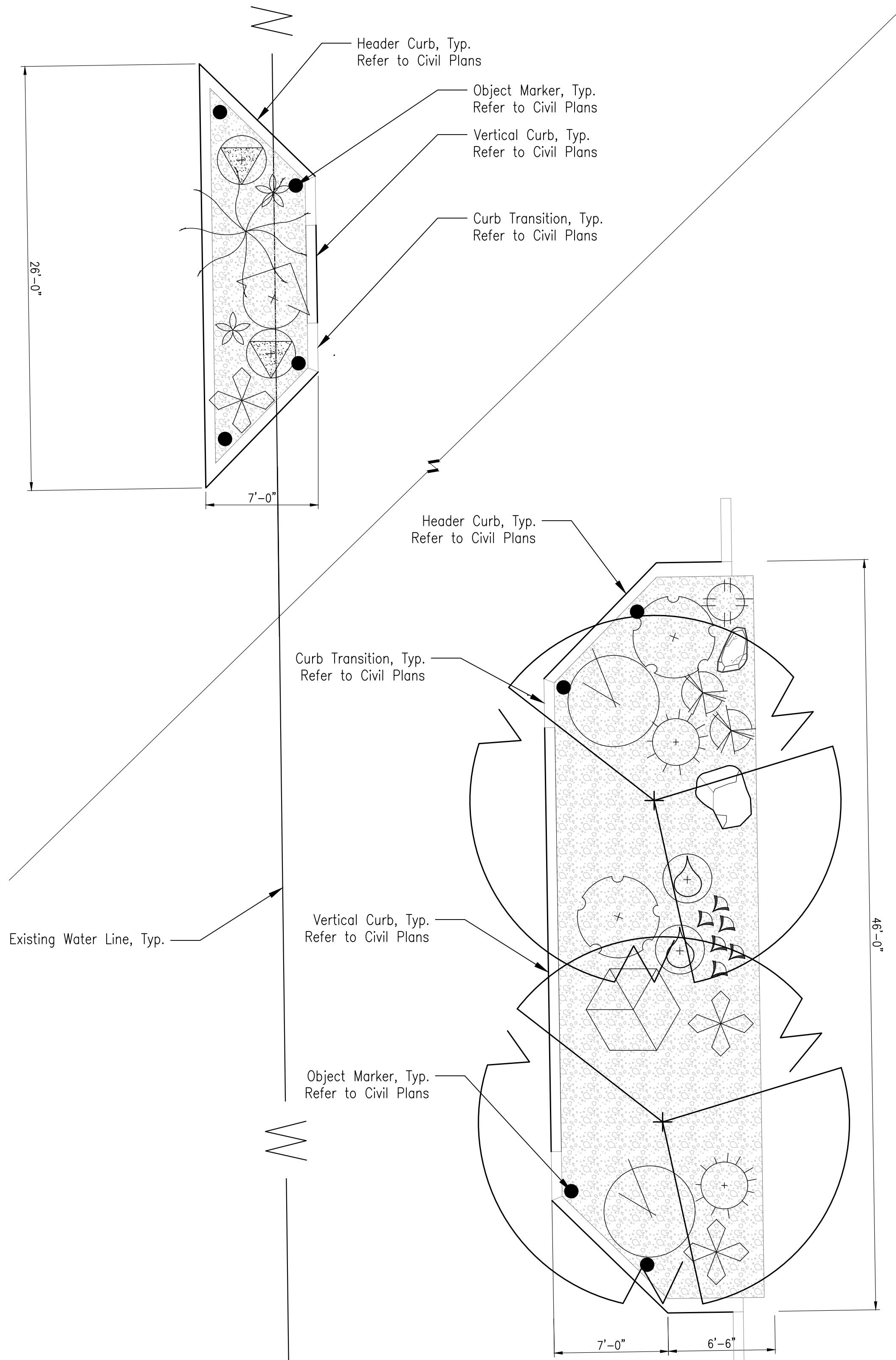
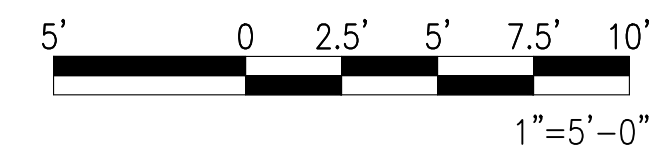
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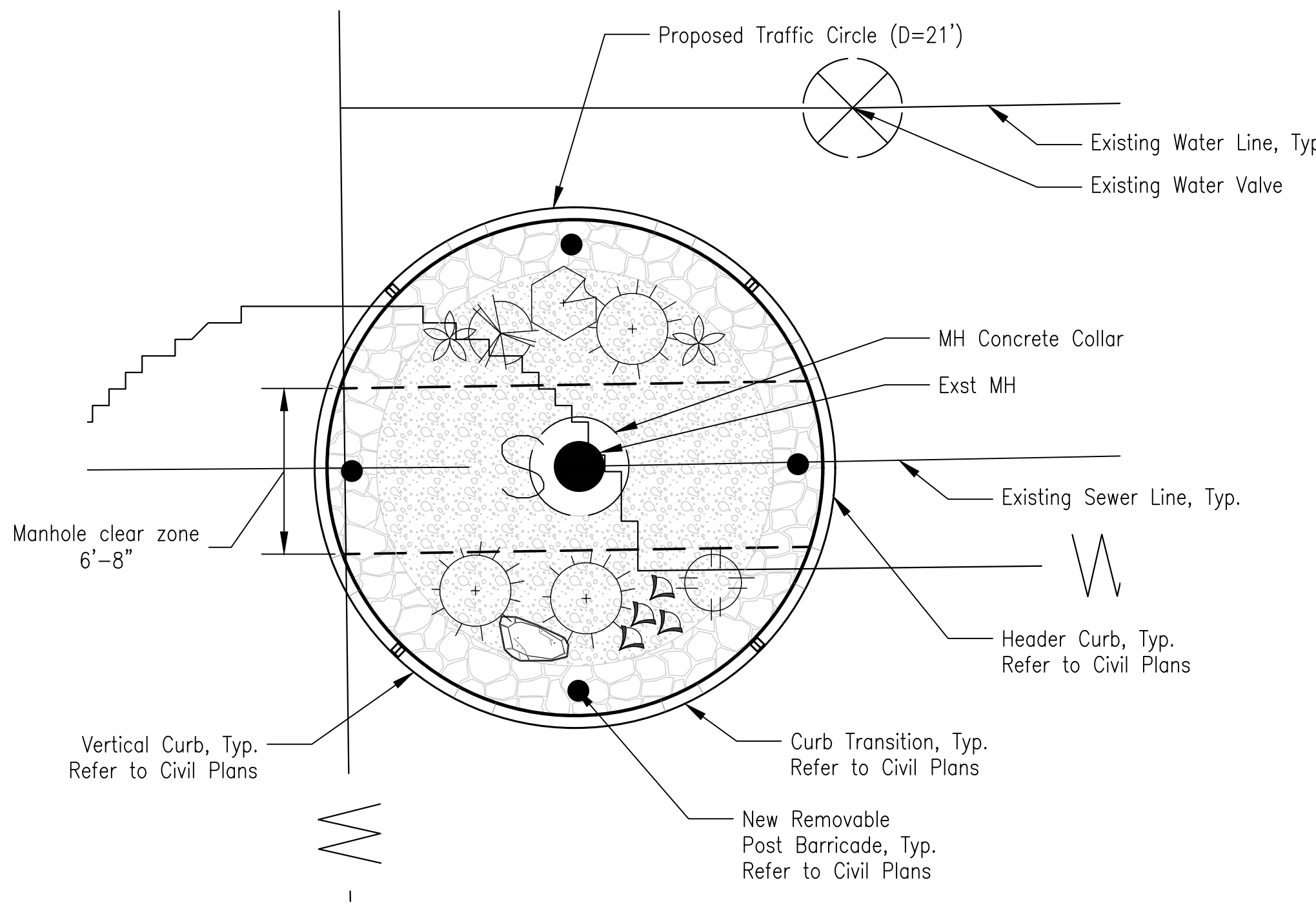
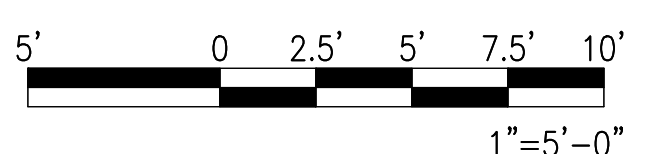
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15 Chicane at 10th Avenue between Lee Street and Adams Street



17 Chicanes at 10th Avenue between Adams Street and Drachman Street



16 Traffic circle at 10th Avenue and Adams Street



PLANT SCHEDULE	
TREES	BOTANICAL / COMMON NAME
	<i>Celtis reticulata</i> Canyon Hackberry
	<i>Olneya tesota</i> Desert Ironwood

SHRUBS	BOTANICAL / COMMON NAME	CACTI	BOTANICAL / COMMON NAME
	<i>Ambrosia deltoidea</i> Triangle-Leaf Bursage		<i>Ferocactus wislizenii</i> Fish Hook Barrel Cactus
	<i>Anisacanthus thurberi</i> Desert Honeysuckle		<i>Fouquieria splendens</i> Ocotillo
	<i>Asclepias subulata</i> Desert Milkweed		<i>Opuntia santa-rita</i> Santa Rita Prickly Pear
	<i>Calliandra eriophylla</i> Sonoran Fairy Duster		
	<i>Dalea frutescens</i> Black Dalea		
	<i>Ericameria laricifolia</i> Turpentine Bush		
	<i>Justicia californica</i> Chuparosa		
	<i>Larrea tridentata</i> Creosote Bush		
	<i>Simmondsia chinensis</i> Jojoba		
	<i>Sphaeralcea ambigua</i> Desert Globemallow		

GRASSES	BOTANICAL / COMMON NAME
	<i>Muhlenbergia emersleyi</i> Bullgrass

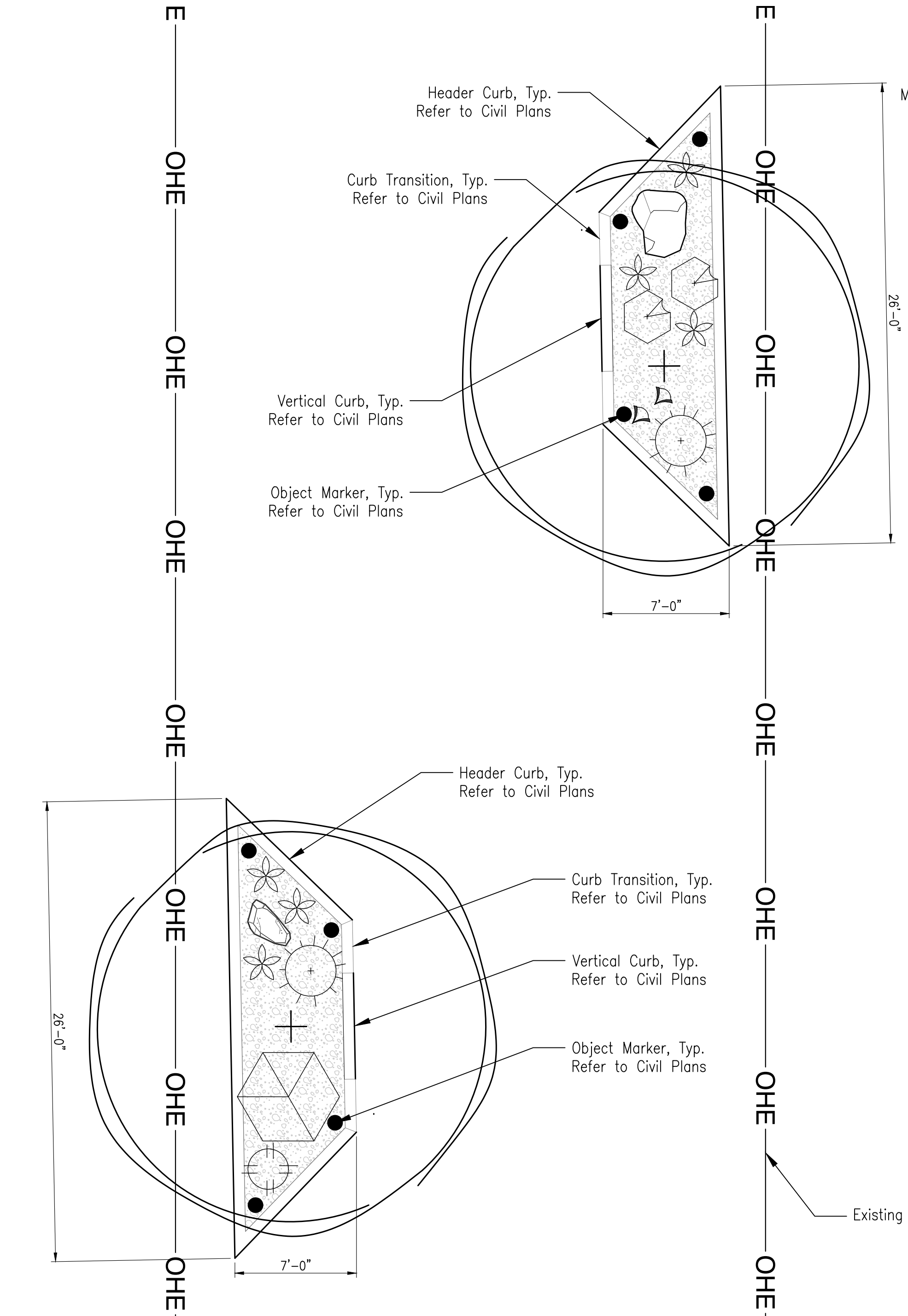
REFERENCE NOTES SCHEDULE	
SYMBOL	DESCRIPTION
	2' x 2' Boulder
	3' x 3' Boulder
	Desert Cobble
	Grouted Rip Rap

LP3-08 of LP3-11

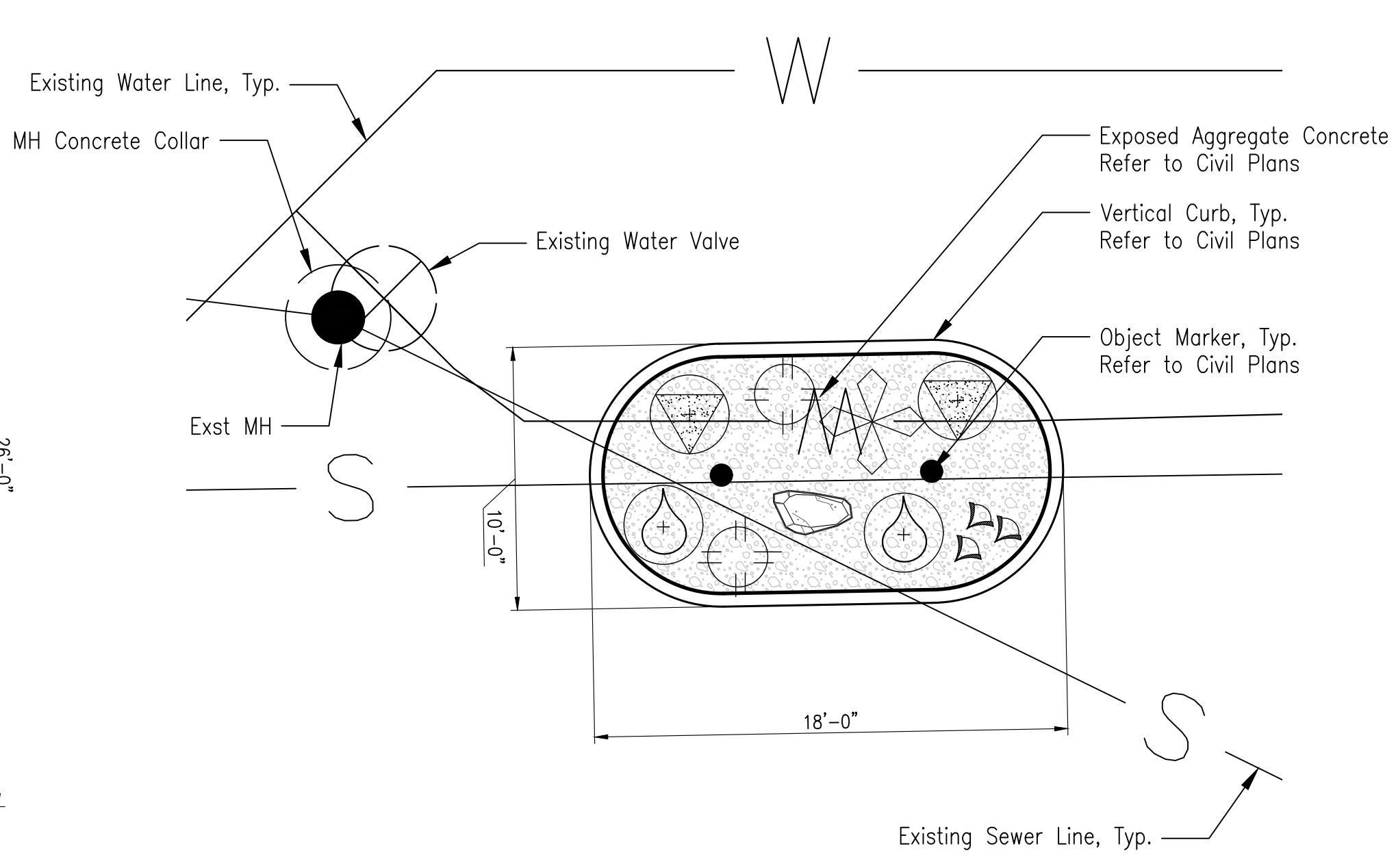
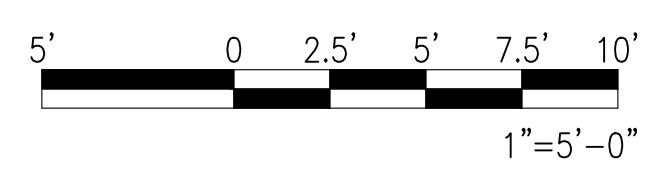
WHEAT DESIGN GROUP LANDSCAPE ARCHITECTS 500 N. TUCSON BLVD, SUITE 150 TUCSON, ARIZONA 85716 T: 520.884.7911		CITY OF TUCSON		DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION 9TH AVE, 5TH ST, AND 9TH ST BICYCLE BOULEVARDS SAINT MARYS RD TO FORT LOWELL RD, EUCLID AVE TO 6TH AVE, AND 4TH AVE TO TREAT AVE Landscape Plan	
PRELIMINARY 90% REVIEW NOT FOR CONSTRUCTION OR RECORDING		APPROVALS _____ _____ _____	SIGNATORY _____ _____ _____	DATE _____ _____ _____	APPROVED _____ 20__ OF 71 TRANSPORTATION DIRECTOR REF: _____ SCALE: _____ PLAN NO. U-2022-006
NO.	DATE	REVISION DESCRIPTION	BY	CHKD.	APPR.



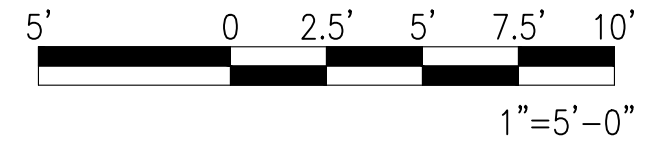
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18 Chicanes at 9th Avenue between 4th Street and 5th Street



19 Center island at 5th Street between 5th Avenue and 4th Avenue



PLANT SCHEDULE	
TREES	BOTANICAL / COMMON NAME
	<i>Celtis reticulata</i> Canyon Hackberry
	<i>Olneya tesota</i> Desert Ironwood

SHRUBS	BOTANICAL / COMMON NAME	CACTI	BOTANICAL / COMMON NAME
	<i>Ambrosia deltoidea</i> Triangle-Leaf Bursage		<i>Ferocactus wislizenii</i> Fish Hook Barrel Cactus
	<i>Anisacanthus thurberi</i> Desert Honeysuckle		<i>Fouquieria splendens</i> Ocotillo
	<i>Asclepias subulata</i> Desert Milkweed		<i>Opuntia santa-rita</i> Santa Rita Prickly Pear
	<i>Calliandra eriophylla</i> Sonoran Fairy Duster	GRASSES	
	<i>Dalea frutescens</i> Black Dalea		
	<i>Ericameria laricifolia</i> Turpentine Bush		<i>Muhlenbergia emersleyi</i> Bullgrass
	<i>Justicia californica</i> Chuparosa	REFERENCE NOTES SCHEDULE	
	<i>Larrea tridentata</i> Creosote Bush		
	<i>Simmondsia chinensis</i> Jojoba		
	<i>Sphaeralcea ambigua</i> Desert Globemallow		

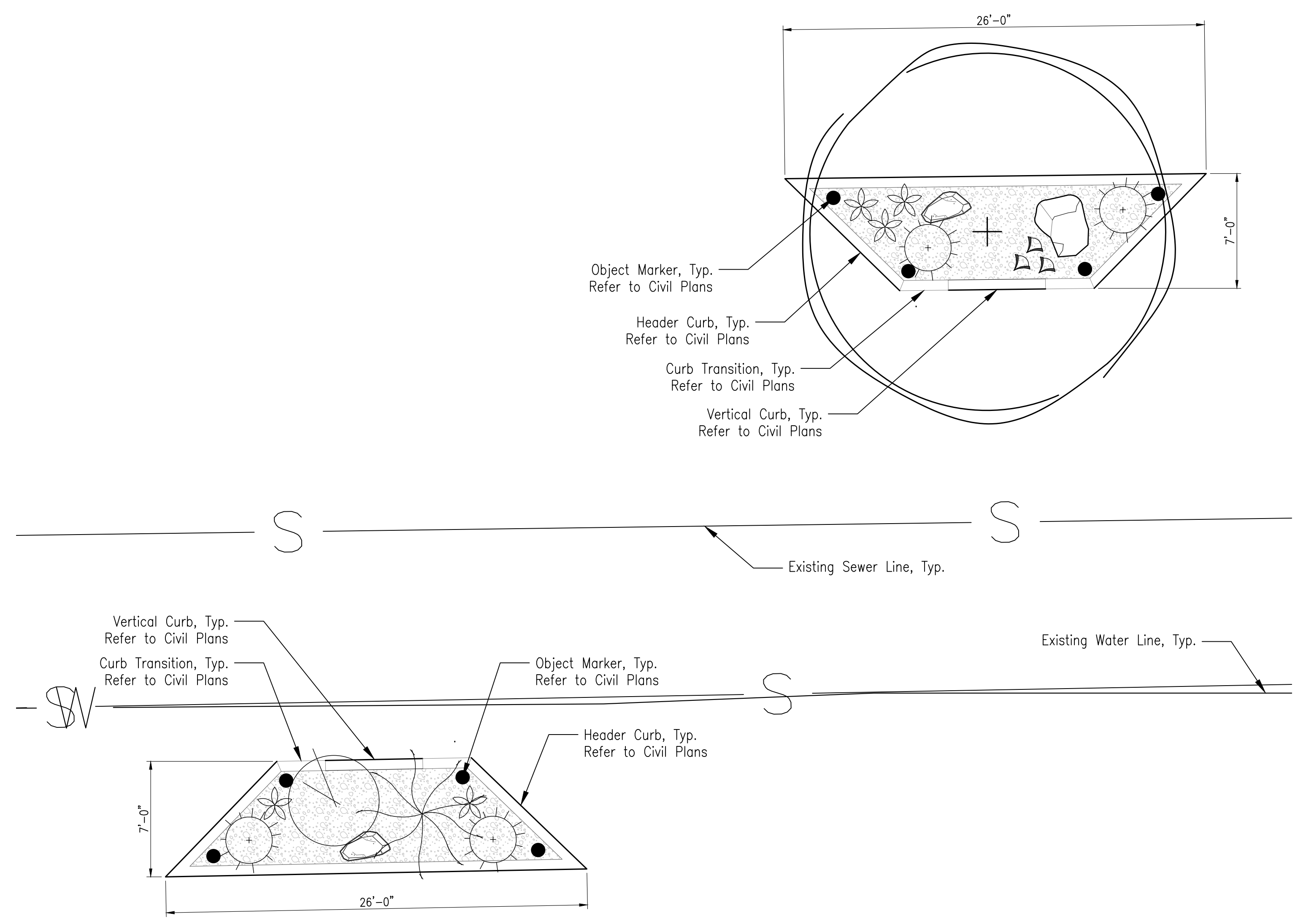
SYMBOL	DESCRIPTION
	2' x 2' Boulder
	3' x 3' Boulder
	Desert Cobble
	Grouted Rip Rap

LP3-09 of LP3-11

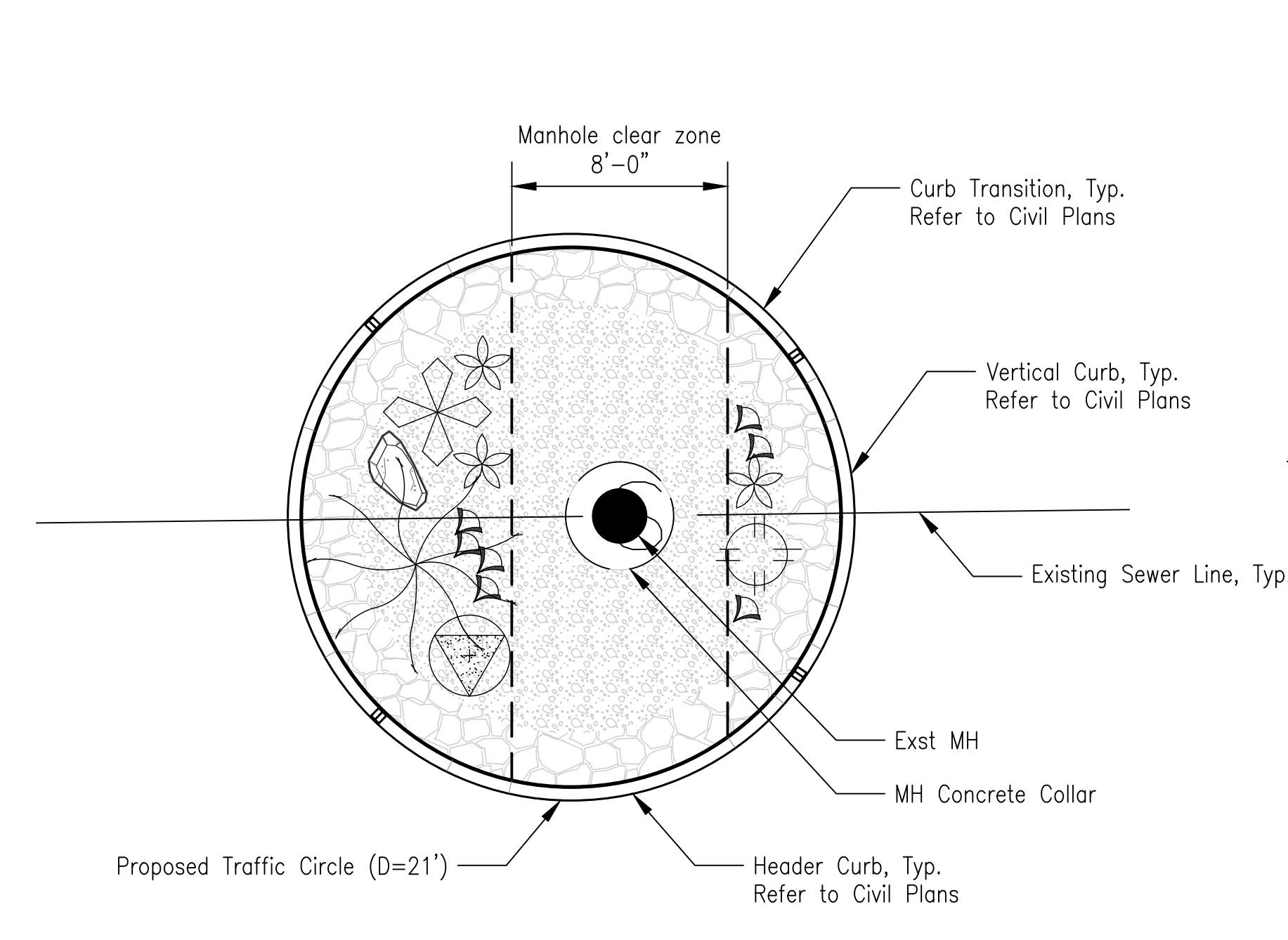
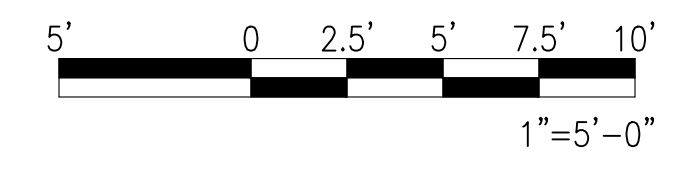
WHEAT DESIGN GROUP LANDSCAPE ARCHITECTS 500 N. TUCSON BLVD, SUITE 150 TUCSON ARIZONA 85714 T: 520 884 7911			DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION 9TH AVE, 5TH ST, AND 9TH ST BICYCLE BOULEVARDS SAINT MARYS RD TO FORT LOWELL RD, EUCLID AVE TO 6TH AVE, AND 4TH AVE TO TREAT AVE Landscape Plan					
PRELIMINARY 90% REVIEW NOT FOR CONSTRUCTION OR RECORDING		APPROVALS: _____ SIGNATORY: _____ DATE: _____	APPROVED: _____ 20__ OF: _____ TRANSPORTATION DIRECTOR: _____ REF: _____ SCALE: _____ PLAN NO. U-2022-006					
NO.	DATE	REVISION DESCRIPTION	BY	CHKD.	APPR.	DRWN. BY <u>WDG</u> 20 <u>23</u>	DSGN. BY <u>WDG</u> 20 <u>23</u>	CHKD. BY <u>LM</u> 20 <u>23</u>



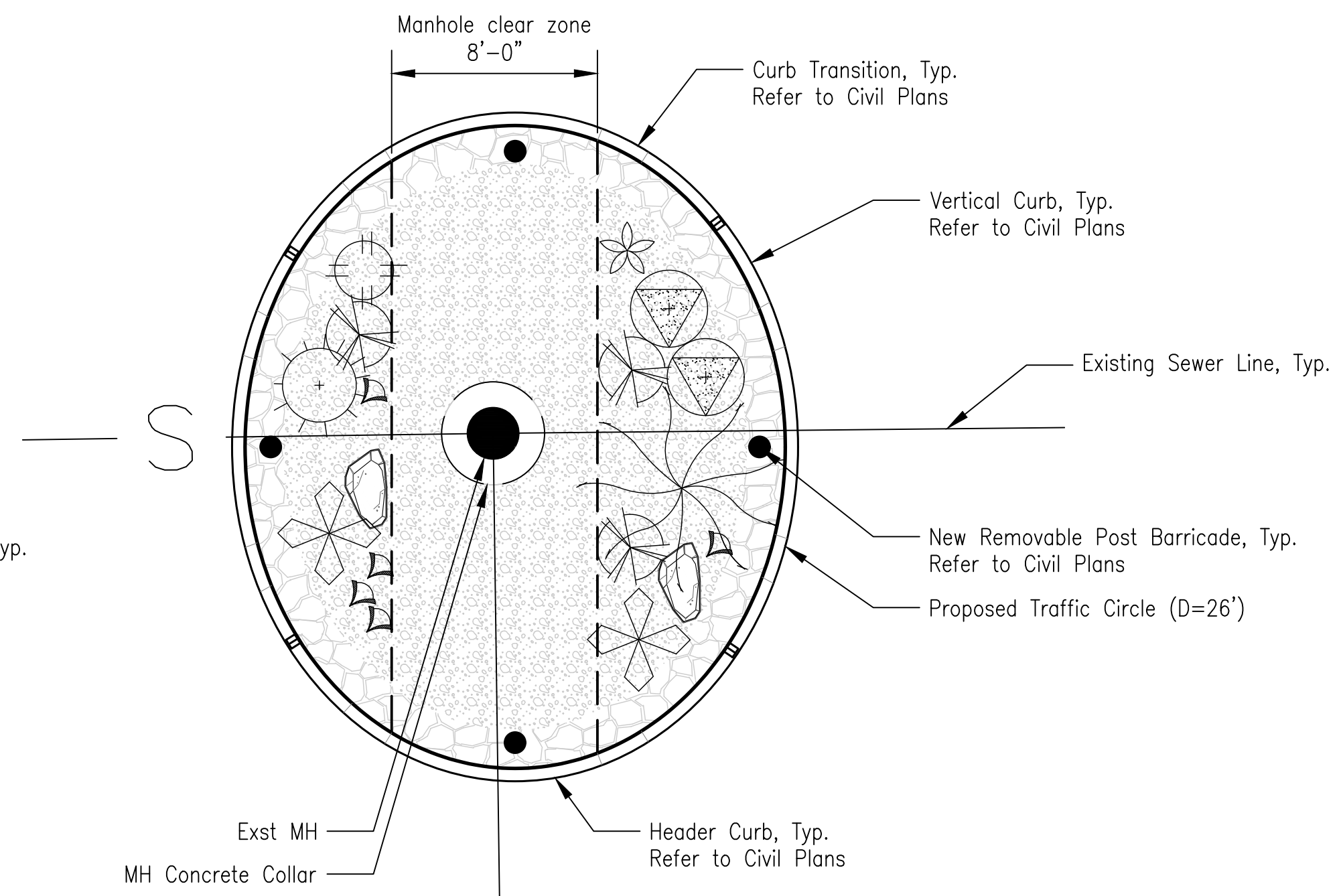
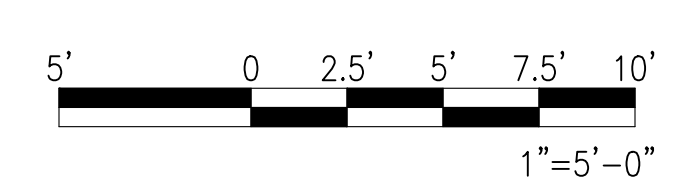
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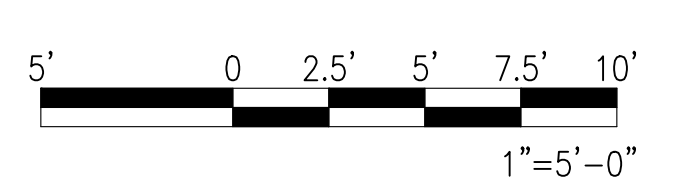
20A Chicanes at 5th Street between 2nd Avenue and 1st Avenue



20B Traffic circle at 9th Street and First Ave



21 Center island at 9th Street and Park Avenue



PLANT SCHEDULE	
TREES	BOTANICAL / COMMON NAME
	<i>Celtis reticulata</i> Canyon Hackberry
	<i>Olneya tesota</i> Desert Ironwood

SHRUBS	BOTANICAL / COMMON NAME	CACTI	BOTANICAL / COMMON NAME
	<i>Ambrosia deltoidea</i> Triangle-Leaf Bursage		<i>Ferocactus wislizenii</i> Fish Hook Barrel Cactus
	<i>Anisacanthus thurberi</i> Desert Honeysuckle		<i>Fouquieria splendens</i> Ocotillo
	<i>Asclepias subulata</i> Desert Milkweed		<i>Opuntia santa-rita</i> Santa Rita Prickly Pear
	<i>Calliandra eriophylla</i> Sonoran Fairy Duster		
	<i>Dalea frutescens</i> Black Dalea		
	<i>Ericameria laricifolia</i> Turpentine Bush		
	<i>Justicia californica</i> Chuparosa		
	<i>Larrea tridentata</i> Creosote Bush		
	<i>Simmondsia chinensis</i> Jojoba		
	<i>Sphaeralcea ambigua</i> Desert Globemallow		

GRASSES		BOTANICAL / COMMON NAME	
		<i>Muhlenbergia emersleyi</i>	Bullgrass

REFERENCE NOTES SCHEDULE	
SYMBOL	DESCRIPTION
	2' x 2' Boulder
	3' x 3' Boulder
	Desert Cobble
	Grouted Rip Rap

LP3-10 of LP3-11

WHEAT DESIGN GROUP		500 N. TUCSON BLVD, SUITE 150 TUCSON ARIZONA 85714 T: 520 884 7911	
NO.	DATE	REVISION DESCRIPTION	BY

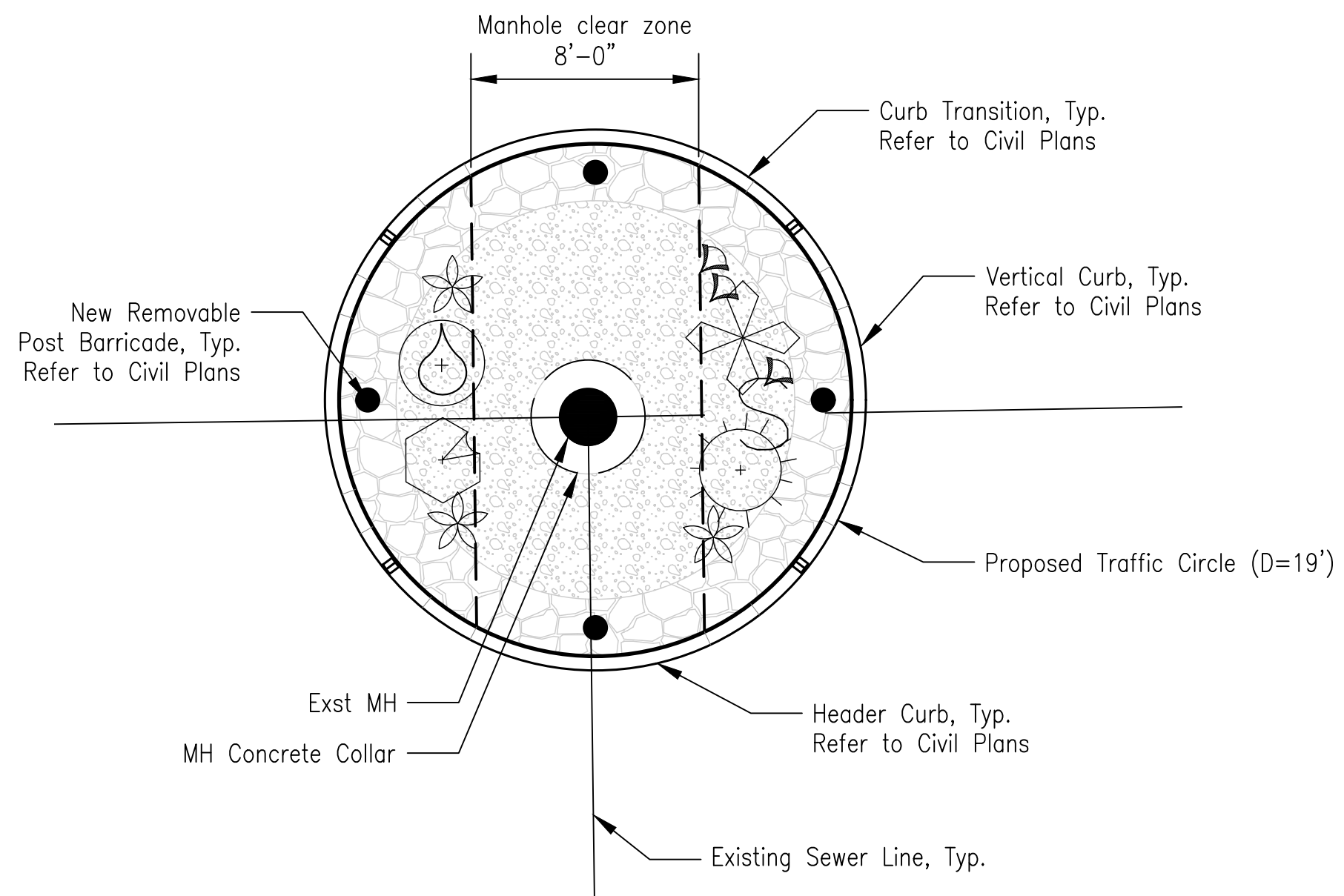
CITY OF TUCSON

PRELIMINARY
90%
REVIEW
NOT FOR
CONSTRUCTION
OR RECORDING

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION			
9TH AVE, 5TH ST, AND 9TH ST BICYCLE BOULEVARDS			
SAINT MARYS RD TO FORT LOWELL RD, EUCLID AVE TO 6TH AVE, AND 4TH AVE TO TREAT AVE			
Landscape Plan			
APPROVALS	SIGNATORY	DATE	APPROVED _____ 20__
			73
			OF
			74
			TRANSPORTATION DIRECTOR
REF. _____	SCALE: _____		
DRWN. BY WDC 20 23	DSGN. BY WDC 20 23	CHKD. BY LM 20 23	PLAN NO. U-2022-006



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22 Traffic circle at 9th Street and Norris Avenue

PLANT SCHEDULE	
TREES	BOTANICAL / COMMON NAME
	<i>Celtis reticulata</i> Canyon Hackberry
	<i>Olneya tesota</i> Desert Ironwood

SHRUBS	BOTANICAL / COMMON NAME	CACTI	BOTANICAL / COMMON NAME
	<i>Ambrosia deltoidea</i> Triangle-Leaf Bursage		<i>Ferocactus wislizenii</i> Fish Hook Barrel Cactus
	<i>Anisacanthus thurberi</i> Desert Honeysuckle		<i>Fouquieria splendens</i> Ocotillo
	<i>Asclepias subulata</i> Desert Milkweed		<i>Opuntia santa-rita</i> Santa Rita Prickly Pear
	<i>Calliandra eriophylla</i> Sonoran Fairy Duster	GRASSES	BOTANICAL / COMMON NAME
	<i>Dalea frutescens</i> Black Dalea		<i>Muhlenbergia emersleyi</i> Bullgrass
	<i>Ericameria laricifolia</i> Turpentine Bush	REFERENCE NOTES SCHEDULE	
	<i>Justicia californica</i> Chuparosa	SYMBOL	DESCRIPTION
	<i>Larrea tridentata</i> Creosote Bush		2' x 2' Boulder
	<i>Simmondsia chinensis</i> Jojoba		3' x 3' Boulder
	<i>Sphaeralcea ambigua</i> Desert Globemallow		Desert Cobble
			Grouted Rip Rap

LP3-11 of LP3-11

WHEAT DESIGN GROUP LANDSCAPE ARCHITECTS <small>500 N. TUCSON BLVD, SUITE 150 TUCSON ARIZONA 85714 T: 520 884 7911</small>		 CITY OF TUCSON	DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION 9TH AVE, 5TH ST, AND 9TH ST BICYCLE BOULEVARDS <small>SAINT MARYS RD TO FORT LOWELL AVE TO 6TH AVE, AND 4TH AVE TO TREAT AVE</small> Landscape Plan		
PRELIMINARY 90% REVIEW NOT FOR CONSTRUCTION OR RECORDING		APPROVALS: _____ SIGNATORY: _____ DATE: _____	APPROVED: _____ 20__ OF: _____ TRANSPORTATION DIRECTOR REF: _____ SCALE: _____	DRWN. BY: <u>WDC</u> 20 <u>23</u> DSGN. BY: <u>WDC</u> 20 <u>23</u> CHKD. BY: <u>LM</u> 20 <u>23</u> PLAN NO. U-2022-006	
NO.	DATE	REVISION DESCRIPTION	BY	CHKD.	APPR.

