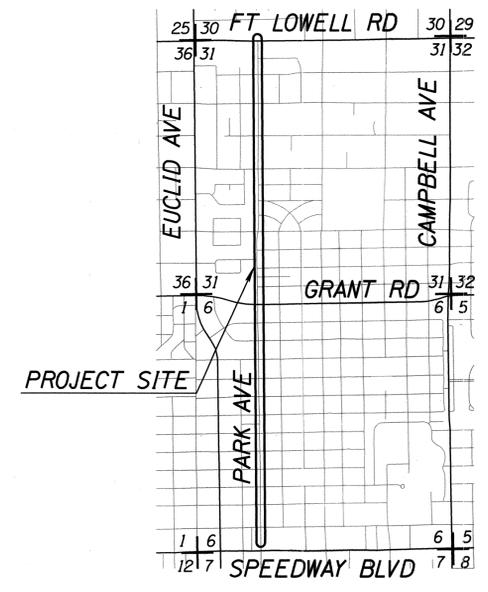


PARK AVENUE ENHANCEMENTS

SPEEDWAY BOULEVARD TO FT LOWELL ROAD

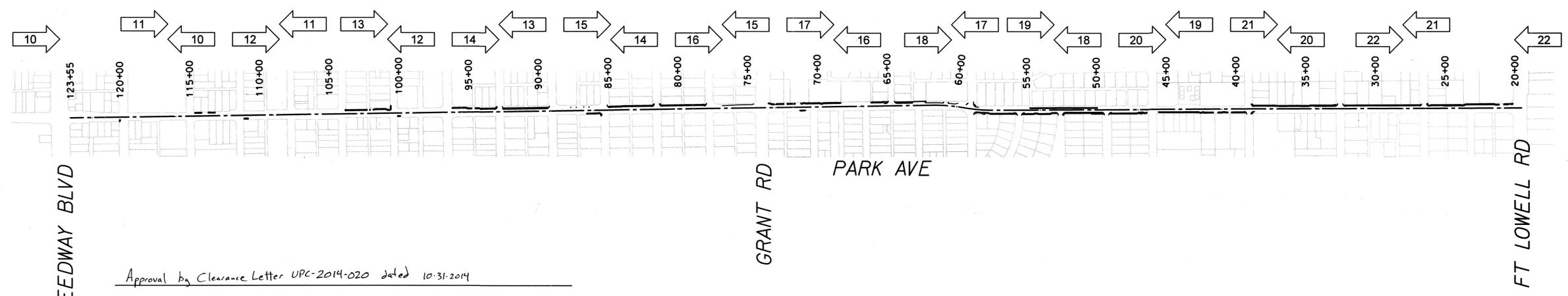


SHEET INDEX

- 1 COVER
- 2-3 NOTES & LEGEND
- 4 TYPICAL SECTIONS
- 5-7 DETAILS
- 8 GEOMETRIC CONTROL
- 9 SUMMARY TABLES
- 10-22 PLAN SHEETS
- 23-31 SIGNING AND STRIPING PLANS
- 32-35 NPPP & WATER HARVESTING PLANS & DETAILS

LOCATION MAP
SCALE: 3" = 1 MILE
SECTION 6 T14S, R14E
SECTION 31 T13S, R14E
G.S.R.B.M.
PIMA COUNTY, ARIZONA
LONGITUDE W110° 57' 25"
LATITUDE N32° 15' 00"

PLAN SHEET LAYOUT



Approval by Clearance Letter UPC-2014-020 dated 10-31-2014
Pima County Regional Wastewater Reclamation Department Date

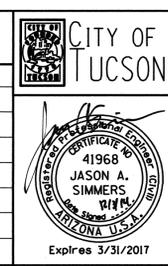
FOR ACCEPTANCE CONDITIONS See the Water System Modification notes;
Note 1, Sheet 2
[Signature] 12/30/2014
City of Tucson Water Department Date



12/11/2014
H:\projfile\13316 - Park Ave Final Design\design\01 Cover\pk-cvr.dgn

PCRWRD No. UPC 2014-020

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NO.	DATE	REVISION	BY	CHKD.	APPR.



DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION			
PARK AVENUE ENHANCEMENT SPEEDWAY BOULEVARD TO FORT LOWELL ROAD			
Approvals ENGINEERING ADMINISTRATOR TRAFFIC PLANNING & DESIGN ADMINISTRATOR LANDSCAPE ARCHITECT	Signatory <i>[Signature]</i> <i>[Signature]</i> <i>[Signature]</i>	Date 1/15 1/15 1/15	Approved 1/27 2015 TRANSPORTATION DIRECTOR <i>[Signature]</i>
DRWN. BY ABR 20 14	DSGN. BY ABB 20 14	CHKD. BY JAS 20 14	PLAN NO. U-2014-001

BID SET 161385

GENERAL CONSTRUCTION NOTES

1. All new curb access ramp openings shall be horizontal sawcut by the Contractor unless directed otherwise by the Engineer.
2. Contact Diahn Swartz (791-4259) for assistance relocating existing traffic signs.
3. The Contractor shall maintain drivable access to Tucson Electric Power (TEP) poles, equipment and facilities during construction.
4. The Contractor shall exercise extreme caution when excavating near all underground utility facilities. The Contractor shall support and/or protect in place all existing communication distribution facilities that are exposed during the installation of the sidewalk improvements associated with this project.
5. The Contractor shall take precautions not to damage water facilities that are in the area of construction. The Contractor will be responsible for any damage.
6. The Contractor shall support and/or protect in place all water facilities that are exposed during the installation of the sidewalk improvements associated with the project.
7. Storm Water Pollution Prevention Plan (SWPPP) measures shall be installed so as to prevent all storm water, construction water, fuels, chemicals, or liquids to be directed into or onto any sanitary sewer facilities. Protection of sanitary sewer facilities shall be a part of the Approved Construction SWPPP and Best Management Practices. Protection devices shall be installed and maintained around all potentially affected sanitary sewer facilities within the project limits. Additional measures shall include but not be limited to the use of rain stoppers and waterproof manhole covers as deemed necessary by PCRWRD.
8. All sewer manholes and lines shall be protected during construction.
9. Contractor shall maintain access to all existing sewer manholes at all times.
10. All Construction shall Conform to the Pima County/COT Standard Specifications and Details (2003) except as modified in the Contract Specifications or Plans.
11. The contractor shall verify existence of all utilities by calling Blue Stake at 800-782-5348, 48 hours prior to construction. The plan location of utilities being shown are approximate.
12. Traffic control shall conform to the requirements of the "Manual on Uniform Traffic Control Devices" US Department of Transportation, Federal Highway Administration, 2003 Edition, and plans shall be submitted to the City for approval no less than 48 hours prior to any work.
13. The Contractor shall maintain access to all driveways and mail boxes during construction and not restrict US Postal deliveries, waste collection and/or access to adjacent properties, except as approved by the Engineer.
14. Unless otherwise noted, salvaged items shall be delivered to the COT Service Center at 4004 S Park Ave. The contractor shall coordinate the delivery with the appropriate agency.

GENERAL SEWER NOTES

1. The contractor shall call "blue stake" (1-800-782-5348) a minimum of two (2) business days prior to commencing construction activities. The contractor shall keep all "blue stake" requests up-to-date and comply with applicable Arizona Revised Statutes (A.R.S.), Title 40, Chapter 1, Article 6.3, Section 40-360.22 pertaining to "blue stake". Errors in "blue stake" shall be immediately reported to the engineer.
2. Contractor shall maintain access to all sanitary sewer manhole structures at all times.
3. House or business connection sewers (HCS or BCS) are not part of the public sanitary sewer conveyance system. Private connection sewers constructed prior to January 2006 are not required to be Bluestaked. Any HCS/BCS encountered during construction shall be protected, repaired, or rerouted, as the situation dictates per PCRWRD SSDC 2012, standard detail RWRD 400 and at no expense to the property owner or PCRWRD.
4. Immediately report any of the following to either PCRWRD field engineering (520-740-2651) or PCRWRD conveyance division (520-724-3400): any release of sewage, any damage to the public sanitary sewage system, or the dropping of debris into the public sanitary sewage system. On weekends, holidays, or between 5:00 p.m. and 7:00 a.m., immediately call PCRWRD operations control center at (520-724-6048) and request a PCRWRD representative to be dispatched to the site. Take immediate action to contain the Sanitary Sewage Overflow (SSO) from the sewer system. The contractor shall be responsible for all costs to repair the system, for all expenses to mitigate the release and to disinfect the release areas and for any regulatory penalties levied on PCRWRD because the SSO entered a natural drainageway or storm water drainage system. The contractor shall repair all damage as directed and approved by PCRWRD.

GENERAL GAS NOTES

1. If the excavation will cross or be in conflict with a Southwest Gas (SWG) high pressure underground facility (near Park and Drachman) the excavator will call SWG to schedule a standby 24 hours prior to the excavation at phone number 520-794-6021.
2. SWG has valves within the project area that may need to be protected and adjusted to the final grade. The contractor must contact SWG for adjusting valves at least two weeks prior to the start of construction by calling 520-247-5250.
3. SWG requires all tree placements have a minimum 8' clearance from the tree center to existing gas facilities. SWG will only allow shrubs and bushes to be planted in the 8' clearance zone.

BASIS OF BEARING

Basis of Bearing: The basis of bearing for this survey is Arizona state plane, NAD 83, Central Zone, based on GPS observations of City of Tucson/Pima County geodetic control points BV04 and EE01. A reference basis of bearing is S13°31'30"W between the found aluminum washer stamped 1/32 City of Tucson, GPS, BV04, RLS 239569/32 at V04 and the found brass disk stamped SEC 1/6/12/7, T14S, R13E, T14S, R14E, City of Tucson, Oct 1991, RLS 20373 at EE01.

All distances shown are at surface. A combined scale factor of 1.000107153 has been applied to the grid coordinates.

Basis of Elevation: the basis of elevation for this survey is NAVD 88 based on City of Tucson/Pima County geodetic control point BV04, being 2371.53.

GENERAL WATER NOTES

- 1 Acceptance Conditions:
 - a. This project is accepted by the City of Tucson water department for substantial concurrence with standard specifications and details.
 - b. Acceptance of these plans is valid for 2 years after the date of the signature.
 - c. The warranty and guarantee durations for all water works on this project shall be two (2) years commencing on the date of final acceptance of the water work by the City of Tucson water department.
- 2 Current Standards:
 - a. All water system modification construction works shall conform to the following standards and special provisions:
 - b. The Pima County/City of Tucson standard specifications for public Improvements, 2003 edition.
 - c. The water system modifications special provisions for this project.
- 3 Water System Modification Pre Construction Procedure:
 - a. The Contractor shall contact the City of Tucson water department construction section (791-2665), a minimum of three (3) days prior to any water work. The contractor shall refer to the City of Tucson Water Department Plan No. 4-094-2014.
 - b. The City of Tucson water department construction section will schedule the time and place for the meeting.
 - c. No water system construction shall begin until a "notice to proceed" has been issued by the City of Tucson water department.
 - d. Any water work installed prior to the notice to proceed date shall be removed by the contractor at the contractors expense.
- 4 Water Meters and Meter Boxes

The contractor shall be responsible for all water meters and meter boxes in the construction area. This will include but not be limited to:

 - a. Removal and Installation:

During this operation meters shall be tagged with the correct address to ensure their reinstallation at the same location.
 - b. Protection of Meters:

At all times the contractor shall take precautions to avoid any damage to the meters. The contractor shall provide for their safe storage and the proper equipment for their handling.
 - c. Access to Meters:

The contractor shall maintain access to all in service meters during construction. At the close of the project the contractor shall ensure that all meters are left accessible and that all meter boxes are adjusted to final grade.
- 5 Maintain Service to Customers:

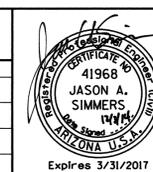
The contractor shall be responsible for maintaining service to all water customers during construction. It shall be the contractor's responsibility to determine which services will be effected by this project. It may be necessary to accomplish tie-overs, re-connections, etc. while business customers are closed. If interruption of service is unavoidable the contractor shall notify the water Inspector a minimum of 48 hours in advance to coordinate shut downs. Every effort shall be made to minimize disruption to the customer. If the contractor chooses to abandon any portion of the existing water supply system without concurrent construction as called for on the plans, the contractor shall provide any and all materials and construction of a temporary or permanent water system to maintain continued water service to customers at no additional cost.
- 6 New Material:

All materials, fittings, and appurtenances called for on the plans, or required for a complete installation, shall be new. No refurbished items or materials will be allowed.
- 7 Valve Boxes:

The contractor shall be responsible for adjusting all new and existing water valve boxes to the finished grade per W-300.
- 8 The proposed Park Avenue Enhancements does not anticipate any relocation of existing water main as part of this project. Existing Tucson Water facility is to be protected in place at all locations except for valve and meter box adjustments to finish grade as shown on the plan set.



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NOTES			
DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION			2 OF 35
PARK AVENUE ENHANCEMENT SPEEDWAY BOULEVARD TO FORT LOWELL ROAD			
CITY OF TUCSON	DRWN. BY ABB	12/14	REF. _____ SCALE: _____
	DSGN. BY ABB	12/14	
	CHKD. BY JAS	12/14	PLAN NO. U-2014-001

SYMBOL LEGEND

	Water Meter
	Air Release Valve
	Fire Hydrant
	Water Meter
	Water Valve
	Meter Box Adjustment
	Electric Cabinet
	Telephone Pedestal
	Man Hole
	Sewer Clean Out
	Sewer Flow Arrow
	Exist Sidewalk and Driveway
	New Concrete Sidewalk and Driveway
	New Stabilised Decomposed Granite
	New Pavement
	New Landscape Area

LINE STYLE LEGEND

	CATV Line
	1" Gas Line
	2" Gas Line
	4" Gas Line
	6" Gas Line
	12" Gas Line
	6" Sewer
	8" Sewer
	Underground Telephone
	Underground Electric
	Overhead Electric/Telephone
	3" Water
	4" Water
	6" Water
	8" Water
	12" Water
	16" Water
	Property Line
	Exist Project Limits
	Construction Centerline
	Existing EP
	Existing Curb
	New EP

DESIGN SPEED

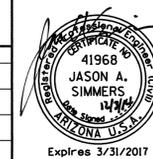
ROADWAY	DESIGN SPEED	POSTED SPEED
Park Ave	35	30

LENGTH OF PROJECT

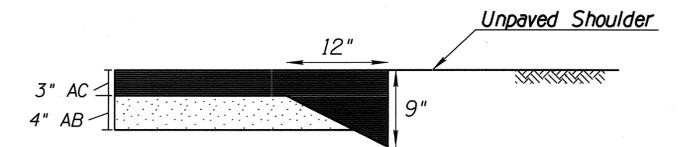
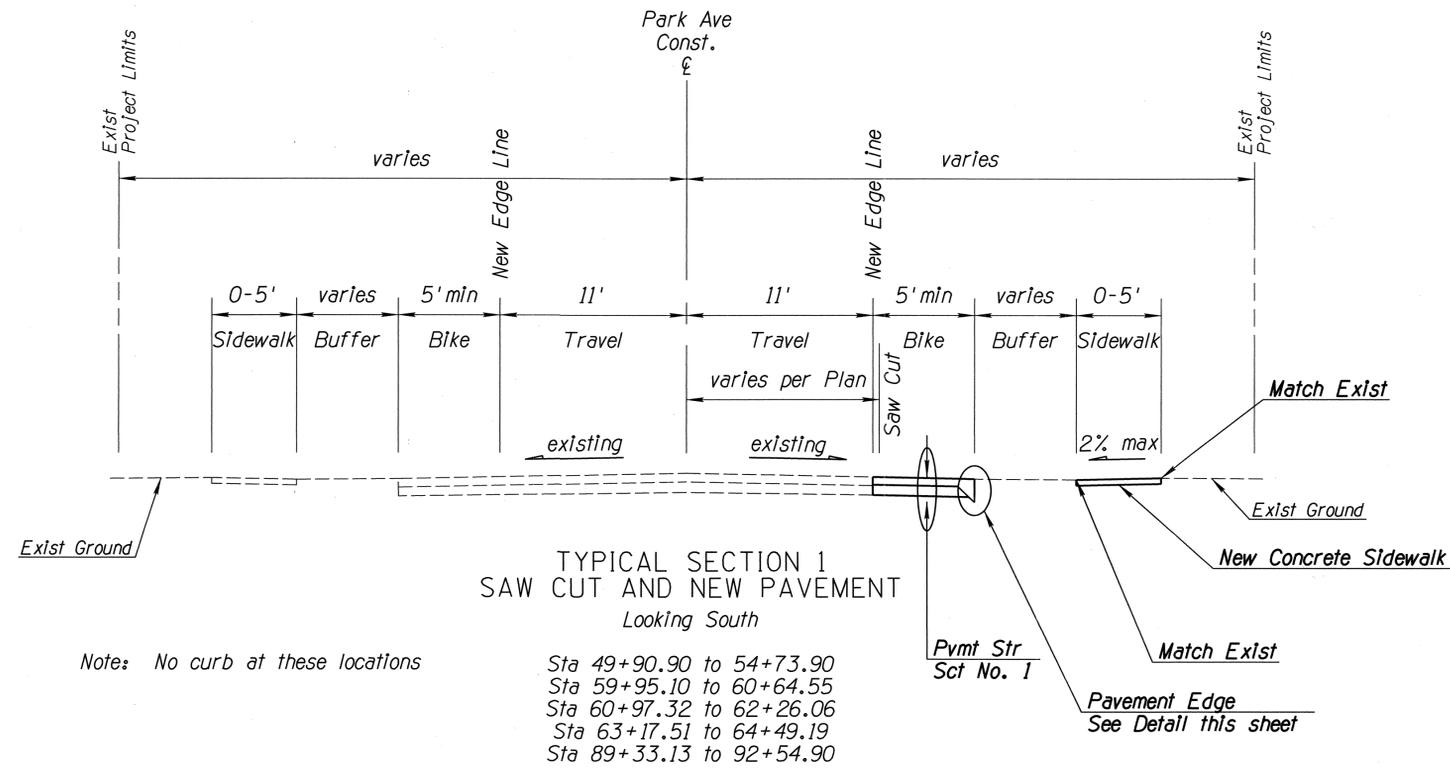
Park Avenue - Sta 20+00.00 to Sta 123+55.00
 Gross Length = 10,395' (1.97 miles)



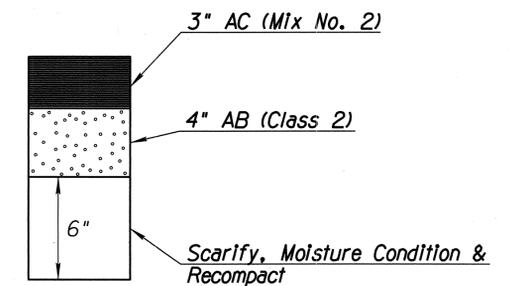
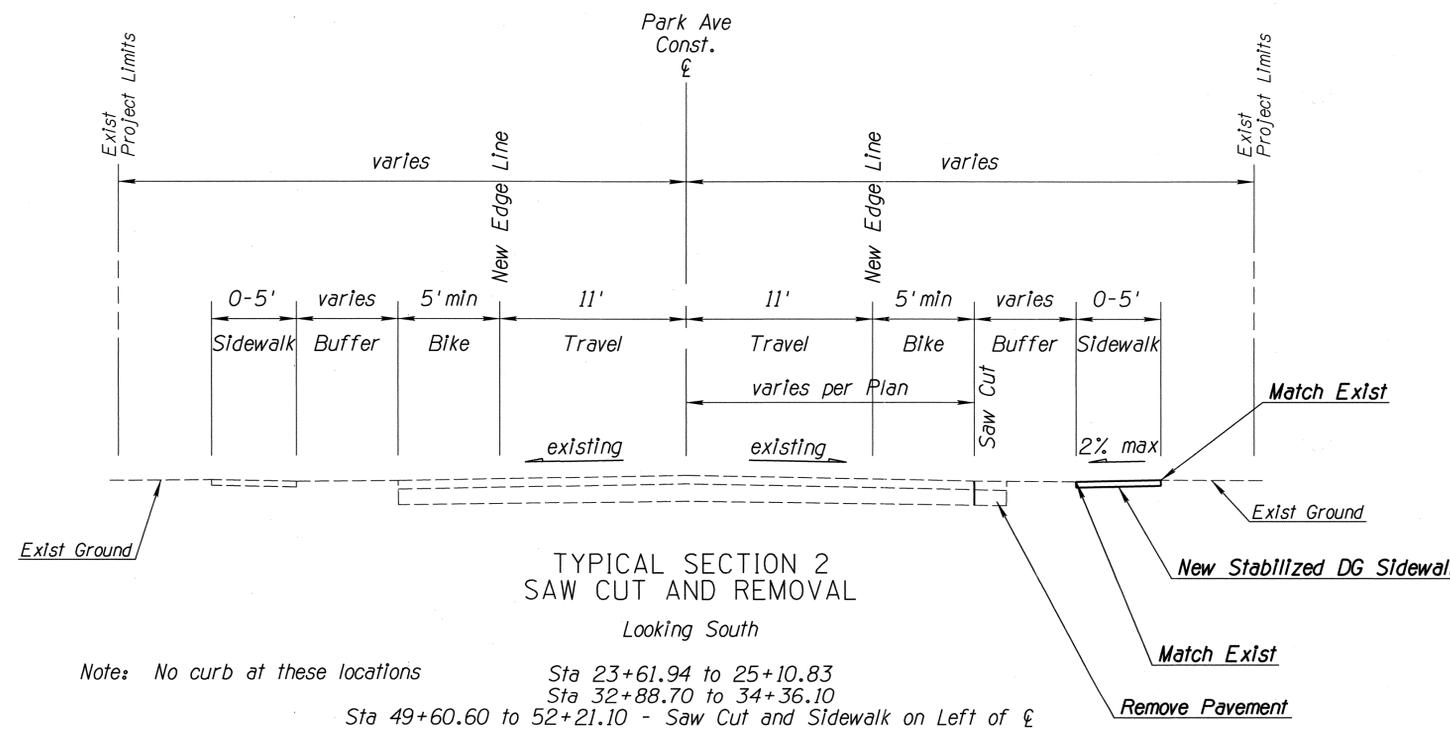
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NOTES & LEGEND			
DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION			3
PARK AVENUE ENHANCEMENT SPEEDWAY BOULEVARD TO FORT LOWELL ROAD			OF
			35
CITY OF TUCSON	DRWN. BY ABB 12/14 DSGN. BY ABB 12/14 CHKD. BY JAS 12/14	REF. _____ SCALE: _____ PLAN NO. U-2014-001	



AC PAVEMENT THICKENED EDGE

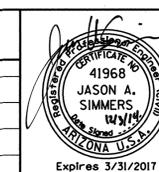


SECTION NO. 1
PAVEMENT STRUCTURAL SECTION

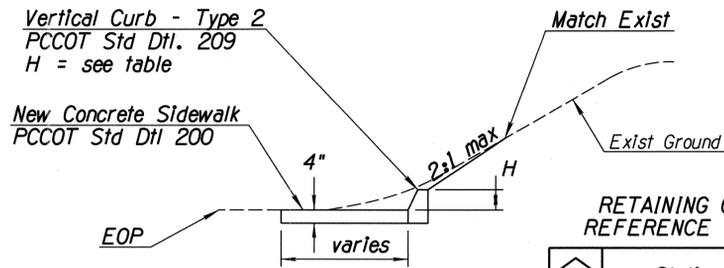


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TYPICAL SECTIONS			
DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION			4
PARK AVENUE ENHANCEMENT SPEEDWAY BOULEVARD TO FORT LOWELL ROAD			OF 35
CITY OF TUCSON	DRWN. BY	ABB	12/14
	DSCN. BY	ABB	12/14
	CHKD. BY	JAS	12/14
REF. _____ SCALE: _____			PLAN NO. U-2014-001

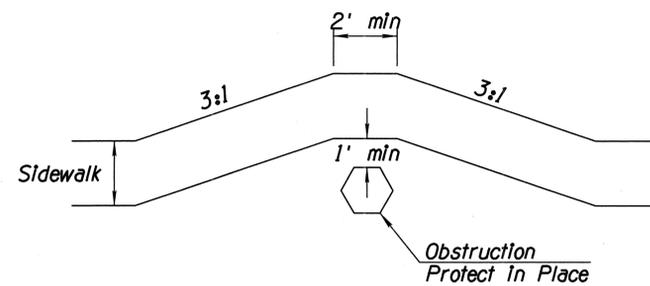


RETAINING CURB REFERENCE TABLE

Station	Stations	H
29	Sta 20+13 to Sta 20+81	8"
21	Sta 45+36 to Sta 45+54	8"
3	Sta 90+02 to Sta 90+82	4"

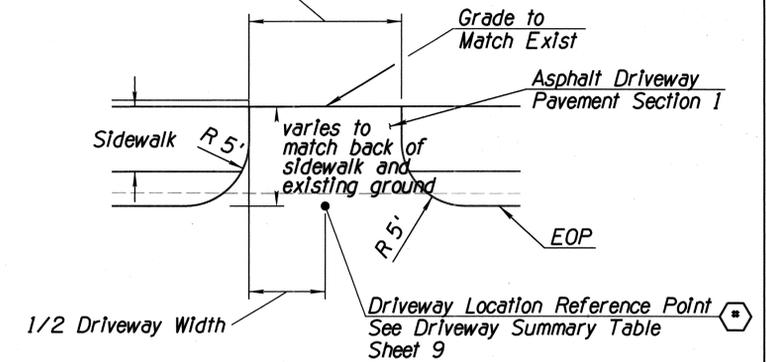
DETAIL A
RETAINING CURB
N.T.S.

Notes: Install per plan or as directed by engineer

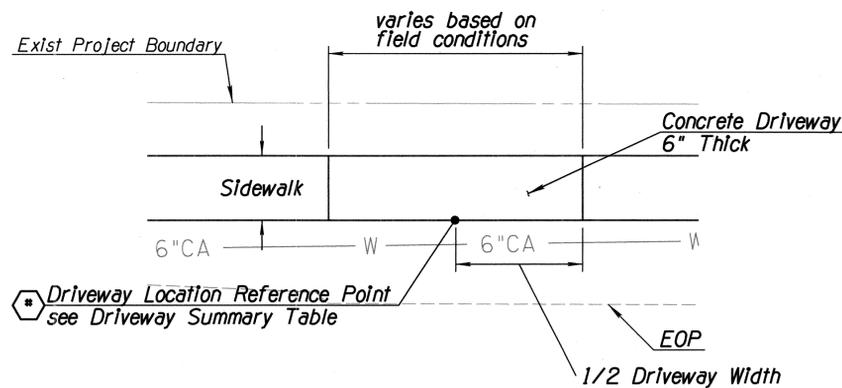


DETAIL B
TYPICAL SIDEWALK JOG
N.T.S.

varies based on field conditions
See Driveway Summary Table
Sheet 9

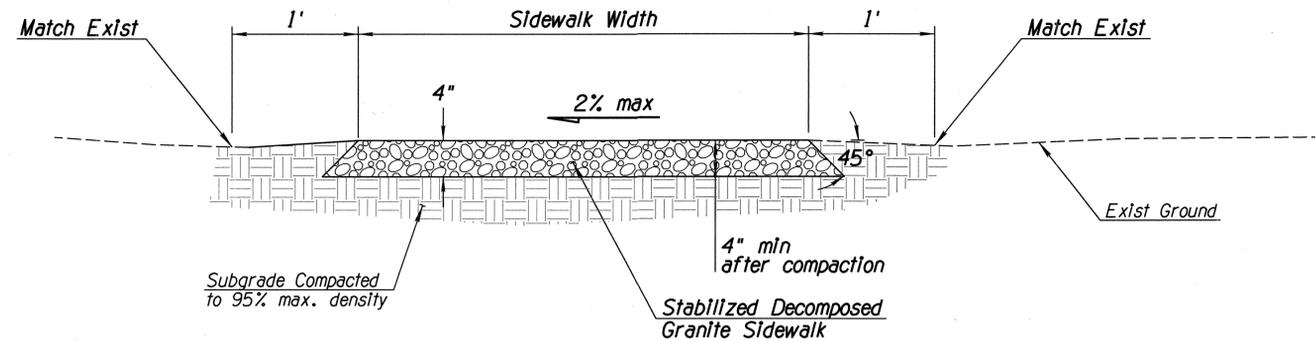


DETAIL C
ASPHALT DRIVEWAY
N.T.S.



DETAIL D
CONCRETE SIDEWALK @ DRIVEWAY
N.T.S.

Note: Decomposed Granite color shall be Apache Gold or approved equal (Contractor shall submit a one cubic foot sample to the Project Engineer for approval prior to delivery). Size: 1/4" minus. Install in two 2" lifts. Water and compact each lift to 90%.

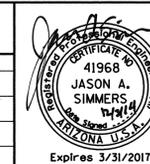


DETAIL E
STABILIZED DECOMPOSED GRANITE SIDEWALK
N.T.S.

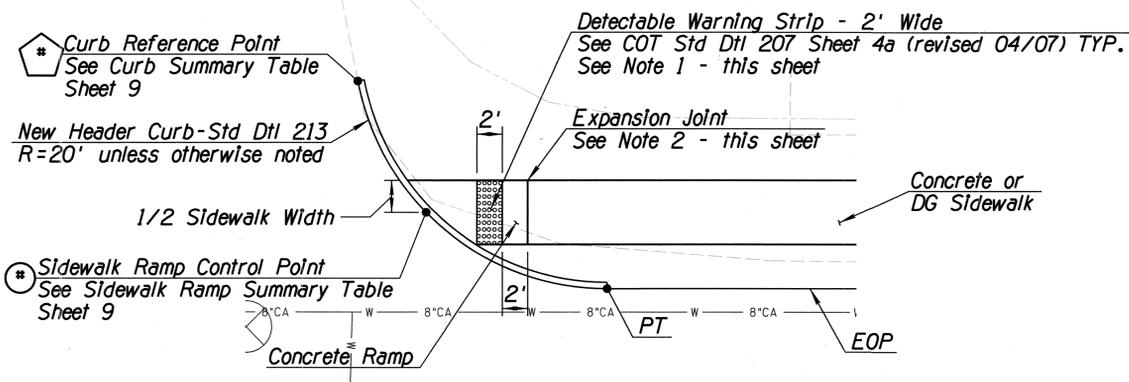


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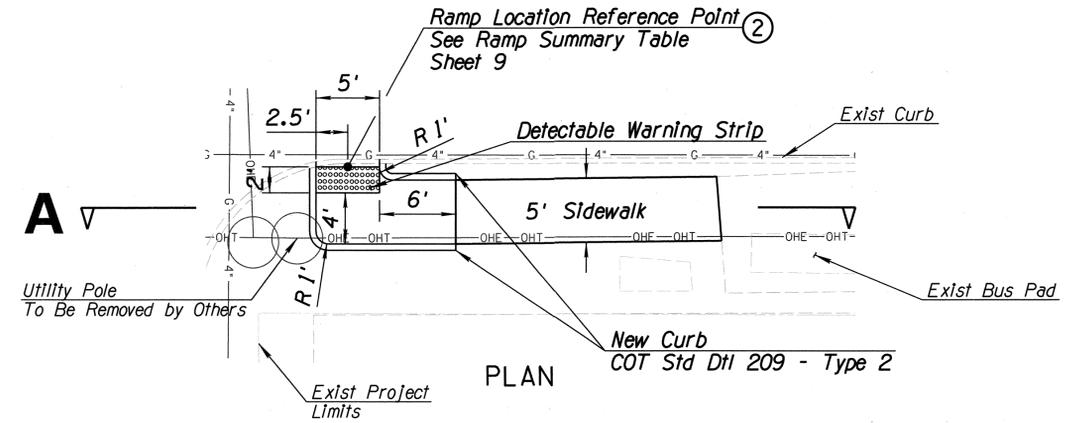
DETAILS			
DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION			5
PARK AVENUE ENHANCEMENT SPEEDWAY BOULEVARD TO FORT LOWELL ROAD			OF 35
CITY OF TUCSON	DRWN. BY ABB	12/14	REF. SCALE:
	DSGN. BY ABB	12/14	
	CHKD. BY JAS	12/14	PLAN NO. U-2014-001



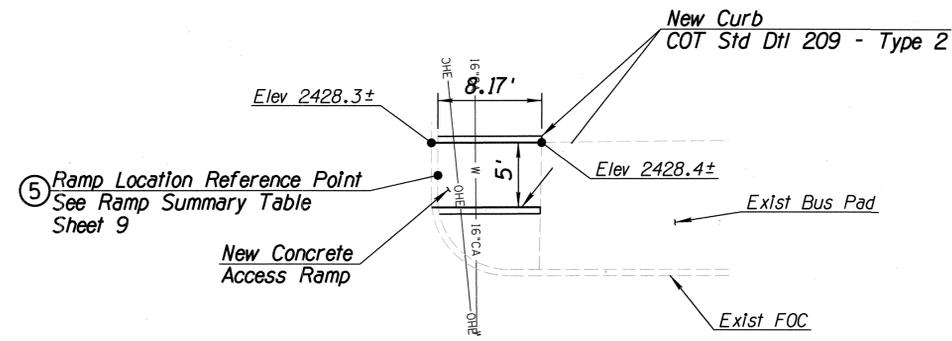
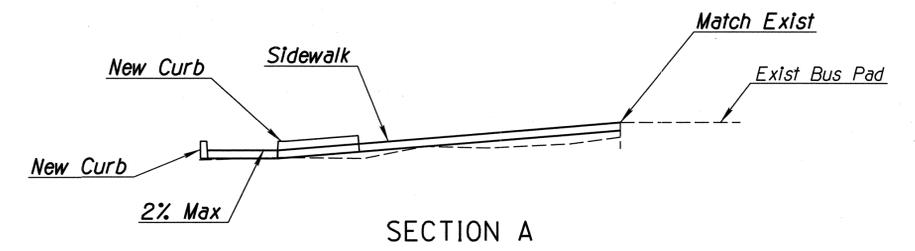
DETAIL F
FLUSH SIDEWALK ACCESS
N.T.S.

Notes:

- 1) If distance to curb exceeds 5', the detectable warning strip will extend to back of curb, as per COT standards.
- 2) Expansion Joint as per COT standards, unless sidewalk material is stabilized decomposed granite.



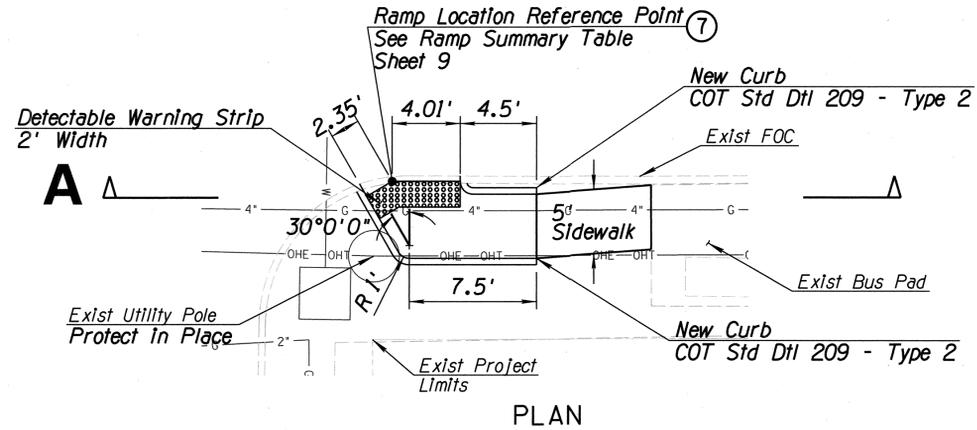
DETAIL G
SIDEWALK ACCESS RAMP - #2
N.T.S.



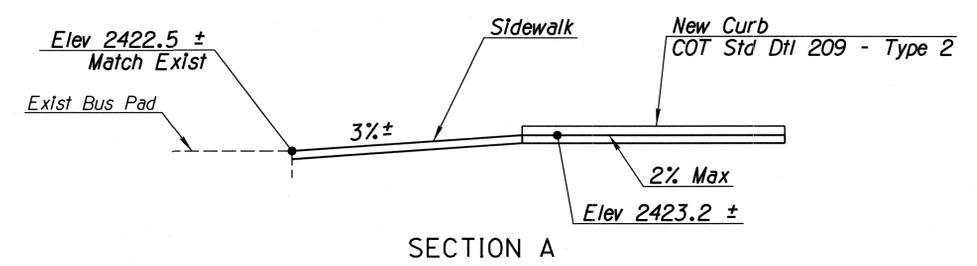
DETAIL H
SIDEWALK ACCESS RAMP - #5
N.T.S.



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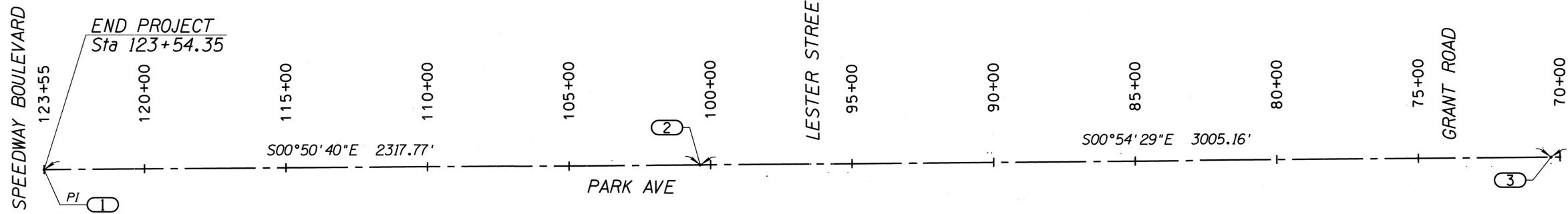
DETAIL I
SIDEWALK ACCESS RAMP - #7
N.T.S.



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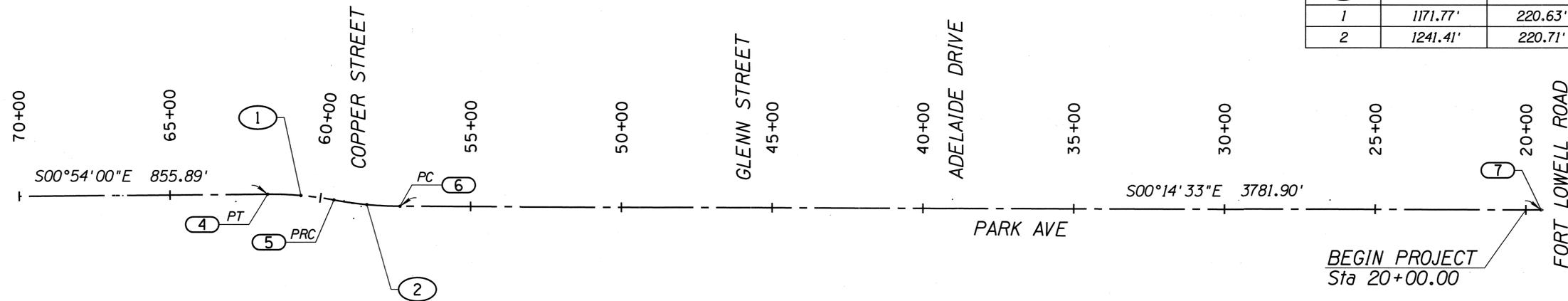


DETAILS			
DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION			6
PARK AVENUE ENHANCEMENT SPEEDWAY BOULEVARD TO FORT LOWELL ROAD			OF
CITY OF TUCSON			35
DRWN. BY	ABB	12/14	REF. _____ SCALE: _____
DSGN. BY	ABB	12/14	_____
CHKD. BY	JAS	12/14	PLAN NO. U-2014-001



Curve Data Summary Table (Park Ave C)

(X)	Radius	Arc Length	Delta Angle	Tangent Length
1	1171.77'	220.63'	10°47'17"	110.64'
2	1241.41'	220.71'	10°11'11"	110.65'



Additional Monuments Found along Corridor - FOR INFORMATIONAL PURPOSES ONLY

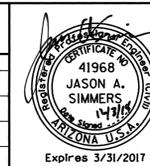
Description	Station	Offset	Northing	Easting
Found Monument	26+49.59	29.68' Rt	460701.9319	996695.8080
Found Monument	32+51.06	0.29' Lt	460100.5890	996728.3207
Found Monument	39+00.91	0.97' Lt	459450.7480	996731.7514
Found Monument	39+02.26	29.48' Rt	459449.2737	996701.2996
Found Monument	45+96.01	0.50' Lt	458755.6554	996734.2159
Found Monument	49+25.93	0.57' Lt	458425.7398	996735.6845
Found Monument	58+62.73	7.43' Lt	457488.4043	996739.8387
Found Monument	58+88.54	1.38' Lt	457463.3238	996730.9950
Found Monument	58+93.56	1.41' Lt	457458.3335	996730.4148
Found Monument	59+21.11	3.38' Rt	457431.6971	996721.9547
Found Monument	62+81.37	23.05' Lt	457072.8050	996727.2303
Found Monument	62+81.41	0.62' Lt	457072.4111	996704.8030
Found Monument	66+56.55	0.31' Lt	456697.3198	996710.3848
Found Monument	70+31.61	22.34' Lt	456322.6508	996738.2997
Found Monument	77+70.84	0.43' Rt	455583.1495	996727.2536
Found Monument	81+45.86	0.32' Rt	455208.1826	996733.3063
Found Monument	85+21.09	0.24' Rt	454833.0016	996739.3283
Found Monument	88+96.66	0.18' Rt	454457.4813	996745.3455
Found Monument	92+71.58	0.01' Lt	454082.6101	996751.4755
Found Monument	96+46.21	0.02' Lt	453708.0236	996757.4176

Geometric Control Points Summary Table (Park Ave C)

(X)	Description	Station	Offset	Northing	Easting
1	PI	123+54.55	0.00' Rt	450999.9828	996797.7543
2	Found Monument - BCSM	100+36.79	0.00' Rt	453317.4993	996763.5911
3	Found Monument - BC-COT-LS23956	70+31.63	0.00' Rt	456322.2818	996715.9669
4	PT	61+75.74	0.00' Rt	457178.0647	996702.5252
5	PRC	59+55.11	0.00' Rt	457397.6806	996719.9299
6	PC	57+34.36	0.00' Rt	457617.3082	996738.5340
7	Found Monument - BCRLS13019	19+52.45	0.00' Rt	461399.1883	996722.5358



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GEOMETRIC CONTROL PLAN			
DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION			8
PARK AVENUE ENHANCEMENT SPEEDWAY BOULEVARD TO FORT LOWELL ROAD			OF 35
 CITY OF TUCSON	DRWN. BY	ABB	12/14
	DSGN. BY	ABB	12/14
	CHKD. BY	JAS	12/14
REF.	SCALE:		
PLAN NO.	U-2014-001		

CURB SUMMARY TABLE

#	DESCRIPTION	CURB	TRANSITION	NOTES
	STATION AND OFFSET see Note 1	VERTICAL CURB PER STD DTL 209 (Lin. Ft.)	CONCRETE HEADER CURB PER STD DTL 213 (Lin. Ft.)	VERTICAL CURB (Lin. Ft.)
		CONCRETE CURB PER STD DTL 209 & DTL 4 (Lin. Ft.)	SEE PC/COT SECTION (Ea.) STD DTL 212	NEW TO EXISTING CONDITION (Ea.) STD DTL 211
1	Sta 92+94.73 37.27' Rt	31.4	1	Type 2
2	Sta 92+58.32 37.98' Rt	31.1	2	see Dtl F for guidance
3	Sta 90+02.47 26.36' Rt		79.9	Type 2 - see Dtl A
4	Sta 89+20.00 38.20' Rt	31.4	1	see Dtl F for guidance
5	Sta 85+44.09 37.06' Lt	31.0	1	see Dtl F for guidance
6	Sta 85+08.03 37.51' Rt	31.4	1	see Dtl F for guidance
7	Sta 81+68.66 39.71' Rt	31.0	2	see Dtl F for guidance
8	Sta 81+32.83 40.40' Rt	30.8	2	see Dtl F for guidance
9	Sta 77+93.98 37.98' Rt	31.0	2	see Dtl F for guidance
10	Sta 64+90.45 34.70' Rt	29.1	2	see Dtl F for guidance
11	Sta 64+49.19 33.11' Rt	27.5	2	see Dtl F for guidance
12	Sta 59+23.43 37.76' Rt	19.3		see Dtl F for guidance
13	Sta 58+85.85 53.22' Rt	67.2	2	see Dtl F for guidance
14	Sta 58+74.19 39.88' Lt	75.1	1	see Dtl F for guidance
15	Sta 55+64.63 37.37' Lt	31.0	1	see Dtl F for guidance
16	Sta 55+35.01 36.88' Lt	30.8	1	see Dtl F for guidance
17	Sta 52+70.57 36.97' Lt	31.4	1	see Dtl F for guidance
18	Sta 52+41.09 36.93' Lt	31.3	1	see Dtl F for guidance
19	Sta 49+40.58 36.70' Lt	31.1	1	see Dtl F for guidance
20	Sta 49+10.59 37.36' Lt	31.8	1	see Dtl F for guidance
21	Sta 45+35.73 23.42' Lt		18.0	Type 2 - see Dtl A
22	Sta 39+20.85 37.76' Lt	31.0	1	see Dtl F for guidance
23	Sta 38+90.98 37.69' Lt	31.5	1	Type 2
24	Sta 38+89.37 36.72' Rt	31.2	1	Type 2
25	Sta 32+68.68 37.07' Rt	31.5	1	see Dtl F for guidance
26	Sta 32+32.63 36.36' Rt	31.3	1	see Dtl F for guidance
27	Sta 26+67.55 32.05' Rt	23.6	1	Radius 15' - Dtl F
28	Sta 26+31.36 31.85' Rt	23.4	1	Radius 15' - Dtl F
29	Sta 20+13.41 33.72' Rt	68.3	1	Type 2 - see Dtl A

Notes:

- 1) Station and Offset for Curbs is to the Face of Curb on the far end of the curb, as shown in Detail F.
- 2) Station and Offset for Driveways is to the face of the driveway, and to the center of the driveway.
- 3) Station and Offset for Ramps is to the Back of Curb, and to the center of the ramp.
- 4) Sidewalk data is on each Plan Sheet.

DRIVEWAY SUMMARY TABLE

#	Station*	Offset*	Width (ft)	Material (sq ft)	Driveway Type	Remarks
1	113+59.82	16.80' Rt	12	155	Conc - Std Dtl 206	Fit with Exlst
2	91+57.79	18.29' Rt	150.9±	x	Asphalt - Dtl C	Part of New Pavement Work
3	89+96.48	18.21' Rt	12	103	Asphalt - Dtl C	
4	70+14.25	23.91' Rt	20	100	Conc - Dtl D	
5	68+63.92	23.88' Rt	20	100	Conc - Dtl D	
6	62+72.07	17.00' Rt	90.9±	463	Asphalt - Dtl C	Merge with Exlst

* see Note 2

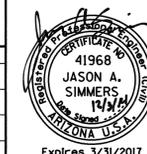
RAMP SUMMARY TABLE

#	Station°	Offset°	Ramp Type
1	119+99.19	18.28' Lt	Std Dtl 207, Sht 4A
2	111+08.59	19.52' Lt	Dtl G
3	103+87.30	25.15' Rt	Std Dtl 207, Sht 4A
4	102+27.27	25.37' Rt	Std Dtl 207, Sht 4A
5	102+11.20	25.54' Rt	Dtl H
6	100+57.87	21.26' Rt	Std Dtl 207, Sht 1
7	100+08.97	18.28' Lt	Dtl I
8	93+01.29	23.83' Rt	Std Dtl 207, Sht 1
9	92+50.74	23.29' Rt	Dtl F - Full Req'd
10	89+27.31	23.38' Rt	Dtl F
11	85+48.62	25.52' Lt	Std Dtl 207, Sht 1
12	85+01.71	23.59' Rt	Dtl F
13	81+75.31	25.84' Rt	Dtl J
14	81+26.16	26.16' Rt	Dtl K
15	77+98.94	25.96' Rt	Dtl F
16	72+39.90	24.88' Rt	Std Dtl 207, Sht 4A
17	72+17.79	24.87' Rt	Std Dtl 207, Sht 4A
18	71+57.51	24.69' Rt	Std Dtl 207, Sht 4A
19	71+22.82	19.58' Lt	Dtl L
20	71+20.25	25.23' Rt	Std Dtl 207, Sht 4A
21	64+93.95	26.41' Rt	Dtl F
22	64+43.11	22.96' Rt	Dtl F
23	59+29.77	30.40' Rt	Dtl M
24	58+76.49	22.68' Rt	Std Dtl 207, Sht 1
25	58+63.25	19.42' Lt	Std Dtl 207, Sht 1
26	55+69.63	25.20' Lt	Dtl F
27	55+31.87	27.50' Lt	Dtl F
28	52+78.74	21.51' Lt	Dtl F
29	52+34.85	23.19' Lt	Std Dtl 207, Sht 1
30	49+44.15	26.51' Lt	Dtl F
31	49+06.74	26.51' Lt	Dtl F
32	39+26.72	24.52' Lt	Dtl F
33	38+84.46	24.25' Lt	Std Dtl 207, Sht 1
34	38+82.72	23.45' Rt	Std Dtl 207, Sht 1
35	32+75.24	22.83' Rt	Dtl F
36	32+26.16	22.37' Rt	Dtl F
37	26+71.68	22.36' Rt	Dtl F
38	26+24.46	19.94' Rt	Dtl N

° see Note 3



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SUMMARY TABLES			
DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION			
PARK AVENUE ENHANCEMENT SPEEDWAY BOULEVARD TO FORT LOWELL ROAD			
DRWN. BY	ABB	12/14	REF. _____ SCALE: _____
DSGN. BY	ABB	12/14	
CHKD. BY	JAS	12/14	PLAN NO. U-2014-001

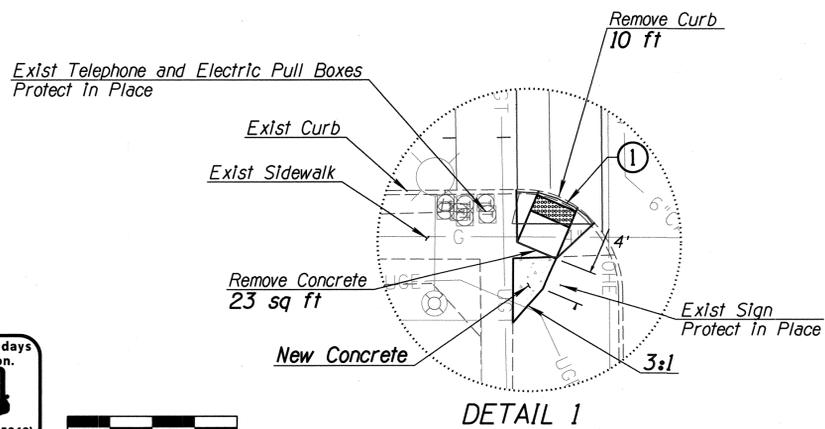
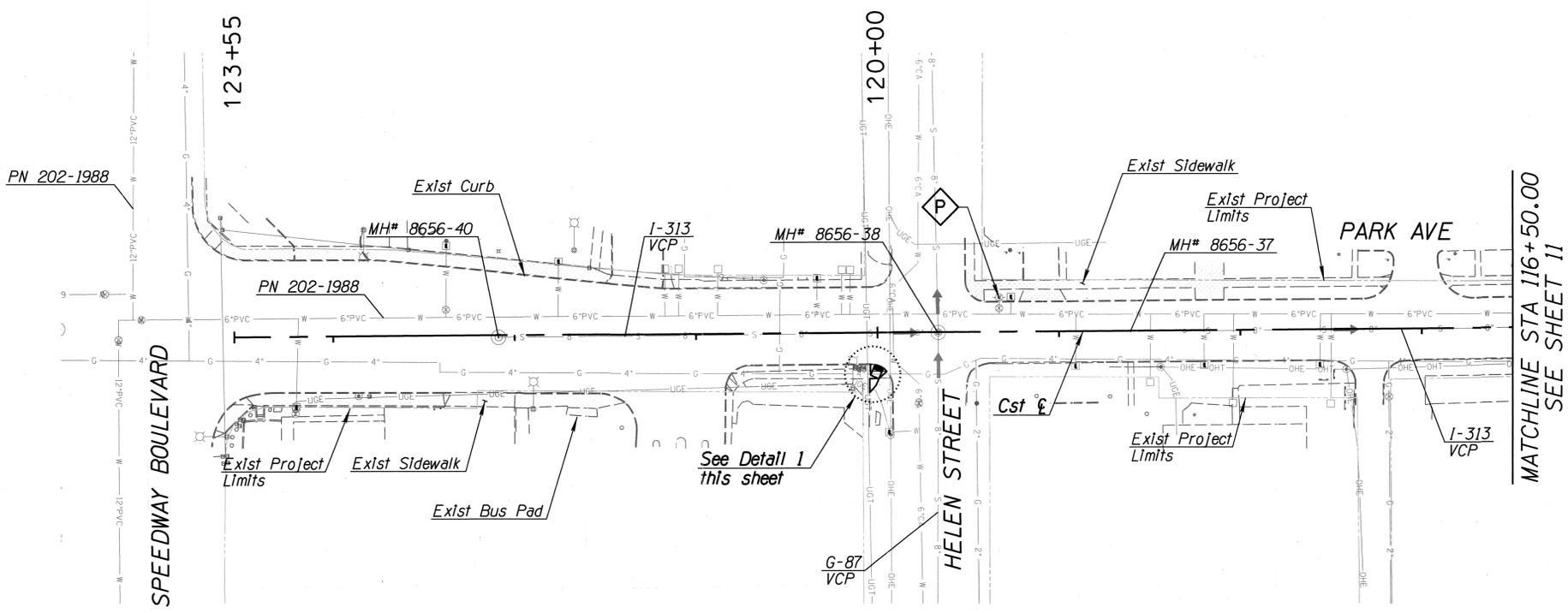


LEGEND

- ⊛ New Access Ramp Reference No. See Sheet 9
 - ⬡ New Driveway Reference No. See Sheet 9
 - ⬠ New Concrete Curb Reference No. See Sheet 9
 - ⊠ New Tree to be Planted as per Details on Sheet 35
-
- [C-W] New Concrete Sidewalk - Width (ft) 4" Thick - PC/COT Std Dtl 200
 - [D-W] New Stabilized DG Sidewalk - Width (ft) See Detail E
 - [B] New Bus Pad (6" Thick) See Plan for Dimensions
 - ⊙ Sidewalk Data Point Offset to Face of Sidewalk See This Sheet
-
- ⬠ Existing Utility Protect In Place (Includes Water Meter, Water Valve, Hydrant, Gas Meter/Valve, Pole, Pedestal, etc.)
 - ⬠ Existing Mailbox To be Relocated

REMOVALS - Totals This Sheet

Concrete Total = 23 Sq Ft ±
Curb Total = 10 Lin Ft ±



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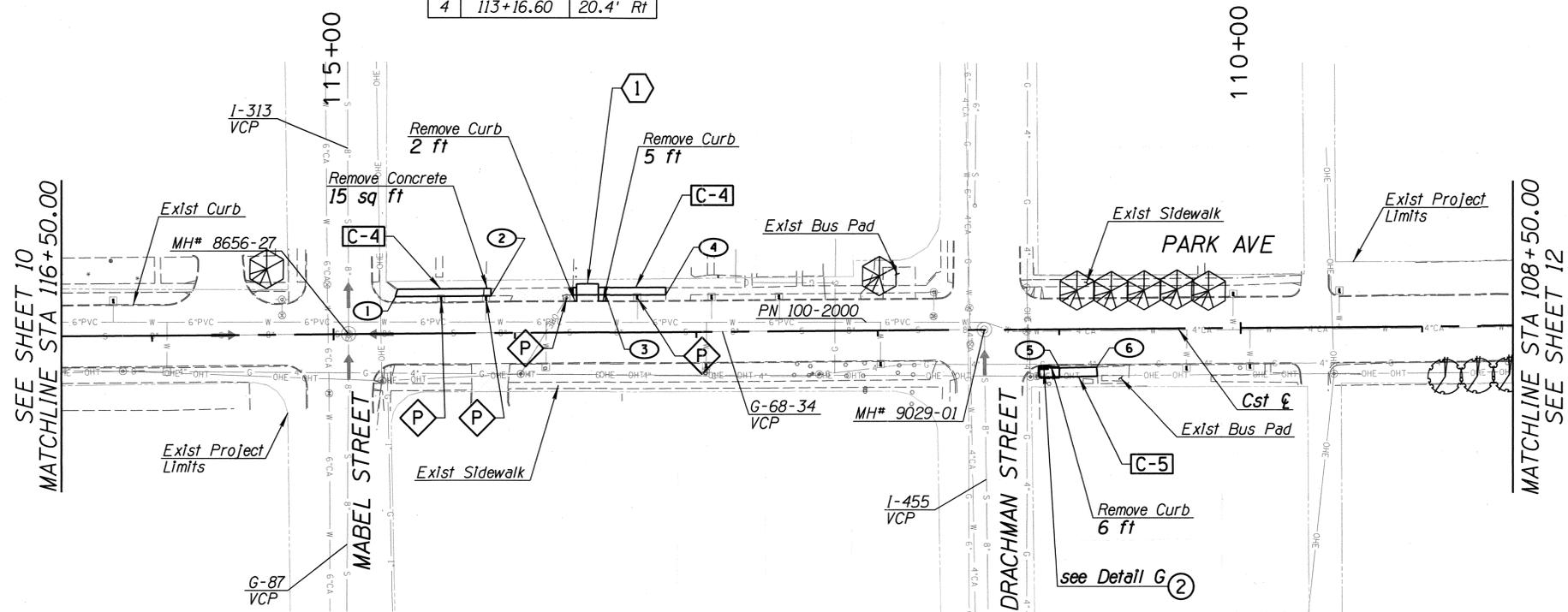


PLAN SHEET			
DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION			10
PARK AVENUE ENHANCEMENT SPEEDWAY BOULEVARD TO FORT LOWELL ROAD			OF
CITY OF TUCSON			35
DRWN. BY	ABB	12/14	REF. SCALE: 1" = 40'
DSGN. BY	ABB	12/14	
CHKD. BY	JAS	12/14	PLAN NO. U-2014-001



Sidewalk Data Points

Station	Offset
114+65.80	20.3' Rt
114+13.10	20.2' Rt
113+49.80	20.5' Rt
113+16.60	20.4' Rt



Sidewalk Data Points

Station	Offset
111+00.10	20.8' Lt
110+79.60	20.6' Lt

LEGEND

- ⊛ New Access Ramp Reference No. See Sheet 9
- ⊞ New Driveway Reference No. See Sheet 9
- ⊟ New Concrete Curb Reference No. See Sheet 9
- ⊠ New Tree to be Planted as per Details on Sheet 35
- C-W New Concrete Sidewalk - Width (ft) 4" Thick - PC/COT Std Dtl 200
- D-W New Stabilized DG Sidewalk - Width (ft) See Detail E
- B New Bus Pad (6" Thick) See Plan for Dimensions
- ⊙ Sidewalk Data Point Offset to Face of Sidewalk See This Sheet
- P Existing Utility Protect In Place (Includes Water Meter, Water Valve, Hydrant, Gas Meter/Valve, Pole, Pedestal, etc.)
- M Existing Mailbox To be Relocated

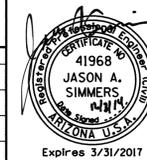
REMOVALS - Totals This Sheet

Concrete Total = 15 Sq Ft ±
Curb Total = 13 Lin Ft ±



12/1/2014
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NO.	DATE	REVISION	BY	CHKD.	APPR.

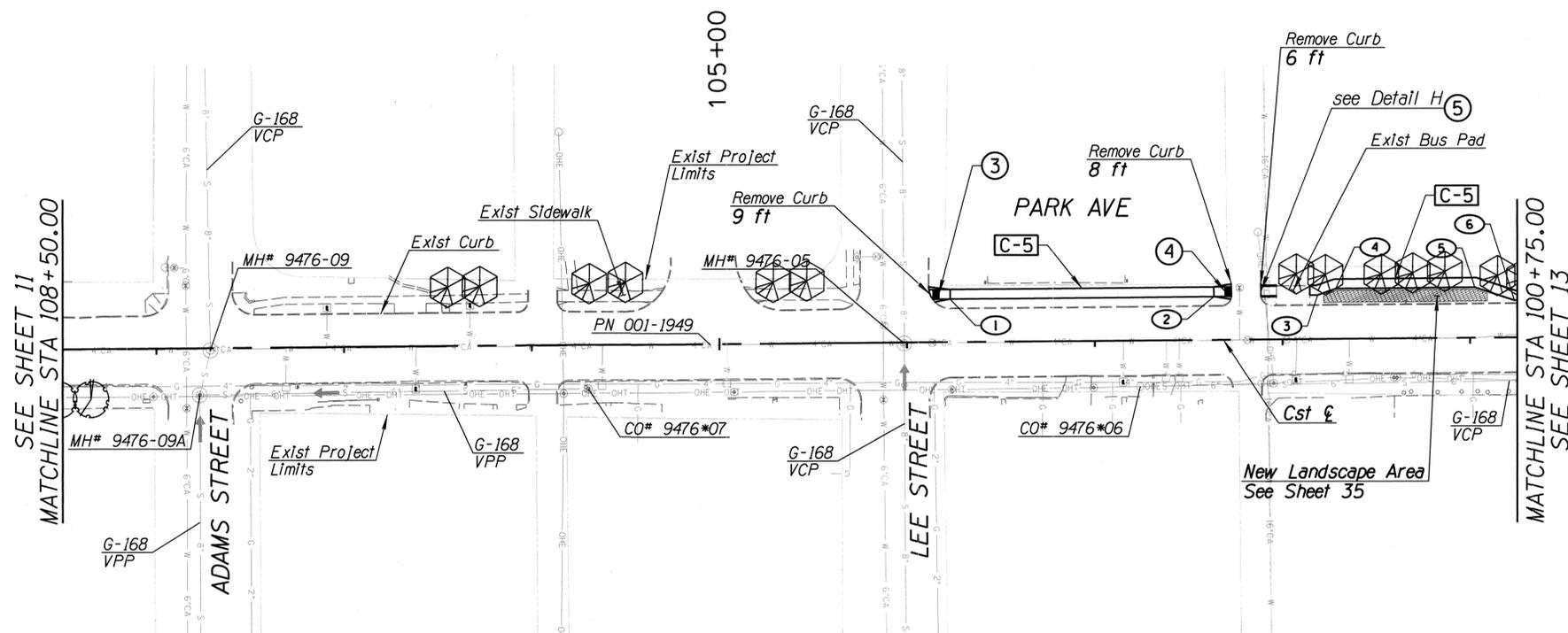


PLAN SHEET			
DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION			11
PARK AVENUE ENHANCEMENT SPEEDWAY BOULEVARD TO FORT LOWELL ROAD			OF
CITY OF TUCSON			35
DRWN. BY	ABB	12/14	REF. SCALE: 1" = 40'
DSGN. BY	ABB	12/14	
CHKD. BY	JAS	12/14	PLAN NO. U-2014-001



Sidewalk Data Points

Station	Offset
1 103+76.90	22.7' Rt
2 102+36.40	22.9' Rt
3 101+81.10	23.2' Rt
4 101+71.50	26.5' Rt
5 100+97.40	26.6' Rt
6 100+76.40	19.6' Rt



- LEGEND**
- New Access Ramp Reference No. See Sheet 9
 - New Driveway Reference No. See Sheet 9
 - New Concrete Curb Reference No. See Sheet 9
 - New Tree to be Planted as per Defaults on Sheet 35

- New Concrete Sidewalk - Width (ft) 4" Thick - PC/COT Std Dtl 200
- New Stabilized DG Sidewalk - Width (ft) See Detail E
- New Bus Pad (6" Thick) See Plan for Dimensions
- Sidewalk Data Point Offset to Face of Sidewalk See This Sheet

- Existing Utility Protect In Place (Includes Water Meter, Water Valve, Hydrant, Gas Meter/Valve, Pole, Pedestal, etc.)
- Existing Mailbox To be Relocated

REMOVALS - Totals This Sheet
 Curb Total = 23 Lin Ft ±

Call at least two full working days before you begin excavation.

ARIZONA 811
 Arizona One Stop, Inc.
 Dial 8-1-1 or 1-800-STAKE-IT (782-5348)



12/1/2014
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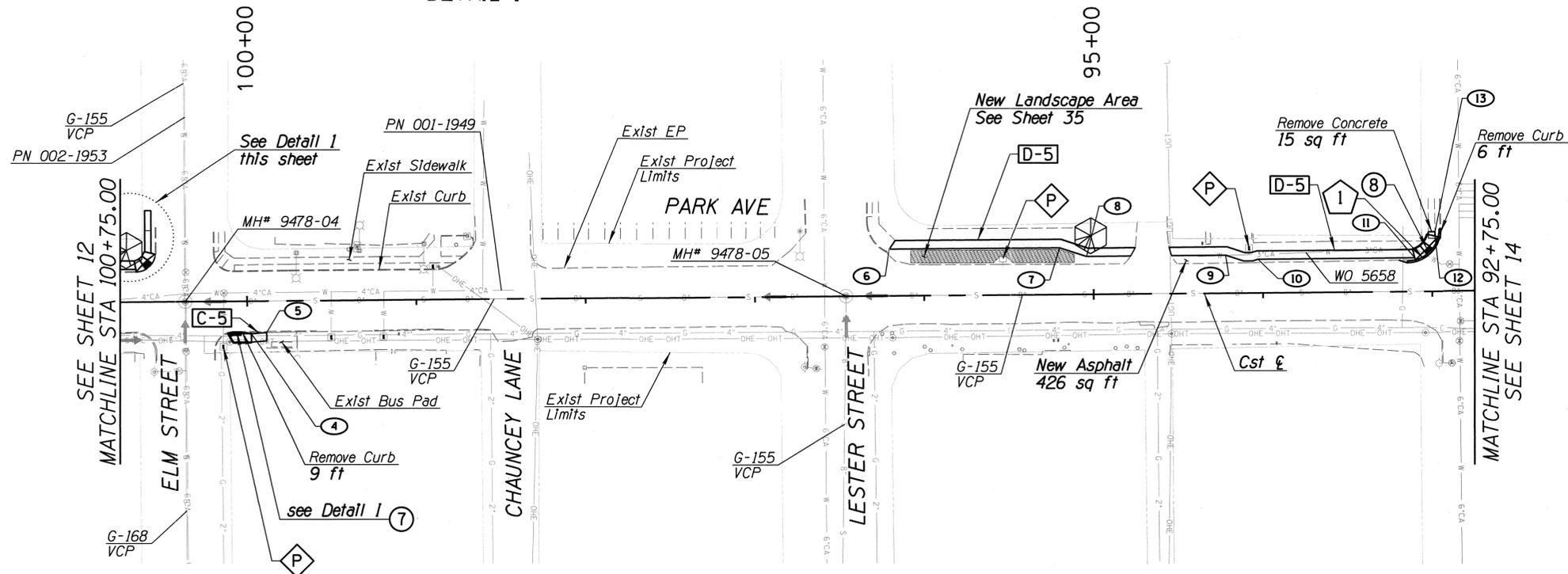
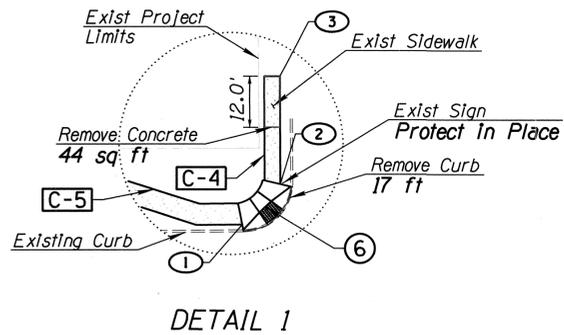
Professional Engineer Seal
 41968
 JASON A. SIMMERS
 12/14
 ARIZONA U.S.A.
 Expires 3/31/2017

PLAN SHEET

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION				12
PARK AVENUE ENHANCEMENT				OF
SPEEDWAY BOULEVARD TO FORT LOWELL ROAD				35
CITY OF TUCSON	DRWN. BY	ABB	12/14	REF. _____ SCALE: 1" = 40'
	DSGN. BY	ABB	12/14	
	CHKD. BY	JAS	12/14	

Sidewalk Data Points

Station	Offset
100+65.60	19.6' Rt
100+56.60	29.1' Rt
100+56.50	54.5' Rt
99+96.30	19.2' Lt
99+88.60	18.7' Lt



Sidewalk Data Points

Station	Offset
96+20.50	28.0' Rt
95+20.00	28.0' Rt
95+04.10	22.7' Rt
94+22.00	22.7' Rt
94+02.90	20.2' Rt
93+10.20	20.2' Rt
92+98.20	32.9' Rt
92+98.20	35.6' Rt

- LEGEND**
- ⊛ New Access Ramp Reference No. See Sheet 9
 - ⬡ New Driveway Reference No. See Sheet 9
 - ⬠ New Concrete Curb Reference No. See Sheet 9
 - ⊙ New Tree to be Planted as per Details on Sheet 35

- C-W New Concrete Sidewalk - Width (ft) 4" Thick - PC/COT Std Dtl 200
- D-W New Stabilized DG Sidewalk - Width (ft) See Detail E
- B New Bus Pad (6" Thick) See Plan for Dimensions
- ⊙ Sidewalk Data Point Offset to Face of Sidewalk See This Sheet
- P Existing Utility Protect In Place (Includes Water Meter, Water Valve, Hydrant, Gas Meter/Valve, Pole, Pedestal, etc.)
- M Existing Mailbox To be Relocated

REMOVALS - Totals This Sheet
 Concrete Total = 59 Sq Ft ±
 Curb Total = 32 Lin Ft ±



12/1/2014
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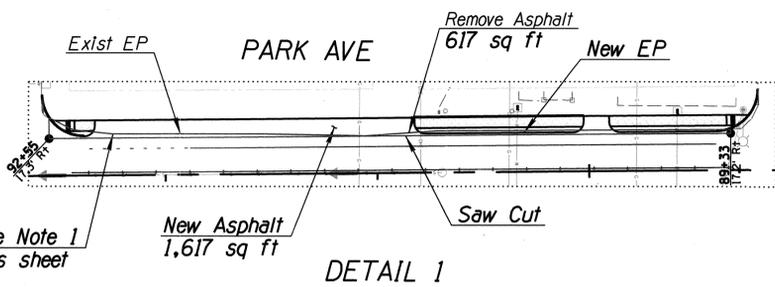
PLAN SHEET

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

PARK AVENUE ENHANCEMENT
SPEEDWAY BOULEVARD TO FORT LOWELL ROAD

DRWN. BY	ABB	12/14	REF.	SCALE: 1" = 40'
DSGN. BY	ABB	12/14		
CHKD. BY	JAS	12/14	PLAN NO.	U-2014-001

13 OF 35

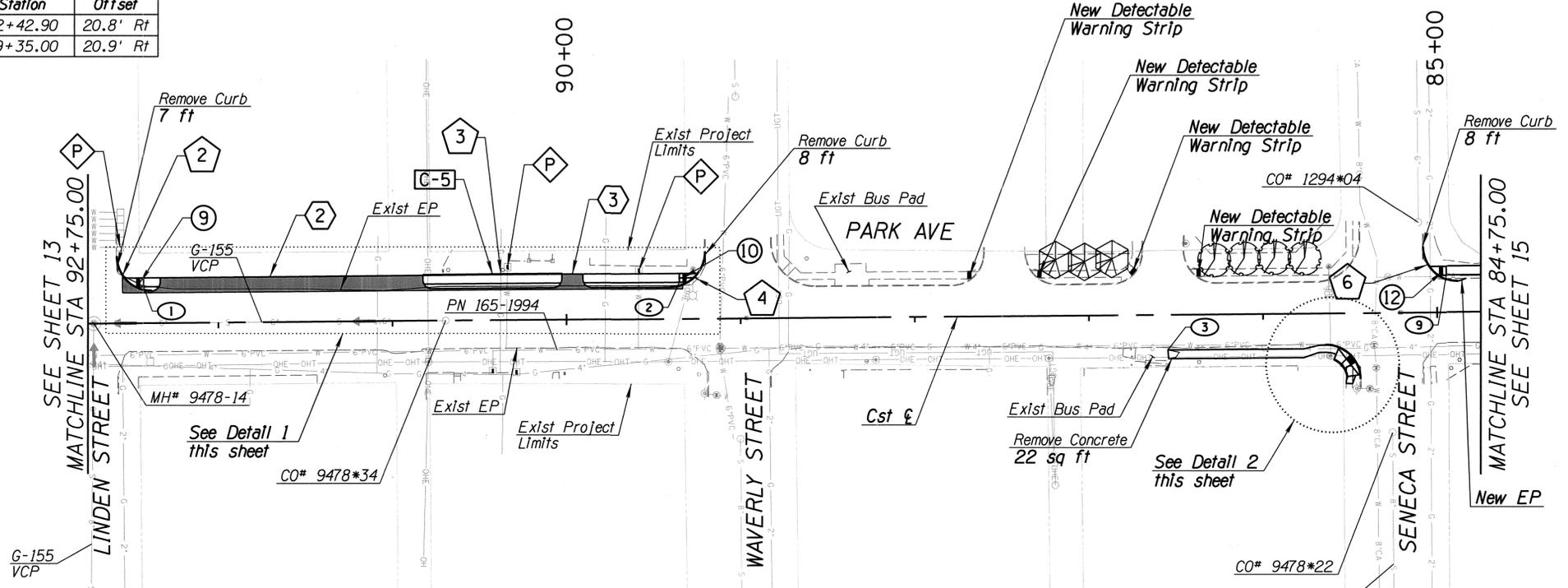


LEGEND

- ⊙ New Access Ramp Reference No. See Sheet 9
- ⬡ New Driveway Reference No. See Sheet 9
- ⬠ New Concrete Curb Reference No. See Sheet 9
- ⊗ New Tree to be Planted as per Details on Sheet 35

Sidewalk Data Points

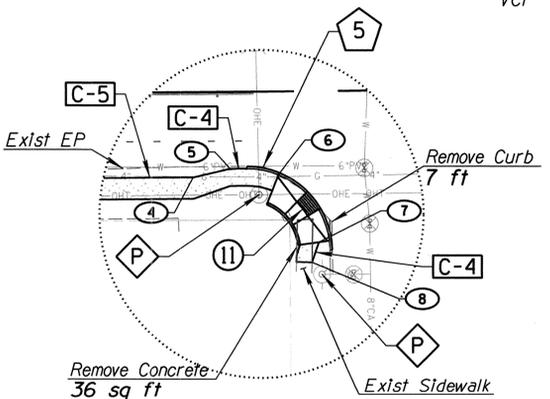
Station	Offset
1	92+42.90 20.8' Rt
2	89+35.00 20.9' Rt



- C-W New Concrete Sidewalk - Width (ft) 4" Thick - PC/COT Std Dtl 200
- D-W New Stabilized DG Sidewalk - Width (ft) See Detail E
- B New Bus Pad (6" Thick) See Plan for Dimensions
- ⊙ Sidewalk Data Point Offset to Face of Sidewalk See This Sheet
- P Existing Utility Protect In Place (Includes Water Meter, Water Valve, Hydrant, Gas Meter/Valve, Pole, Pedestal, etc.)
- M Existing Mailbox To be Relocated

Sidewalk Data Points

Station	Offset
3	86+54.80 19.8' Lt
4	85+76.80 19.8' Lt
5	85+68.10 17.9' Lt
6	85+56.70 19.4' Lt
7	85+47.20 35.2' Lt
8	85+48.90 39.8' Lt
9	84+94.60 21.1' Rt



REMOVALS - Totals This Sheet

Concrete Total = 22 Sq Ft ±
 Asphalt Total = 617 Sq Ft ±
 Curb Total = 23 Lin Ft ±



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PLAN SHEET

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

PARK AVENUE ENHANCEMENT
SPEEDWAY BOULEVARD TO FORT LOWELL ROAD

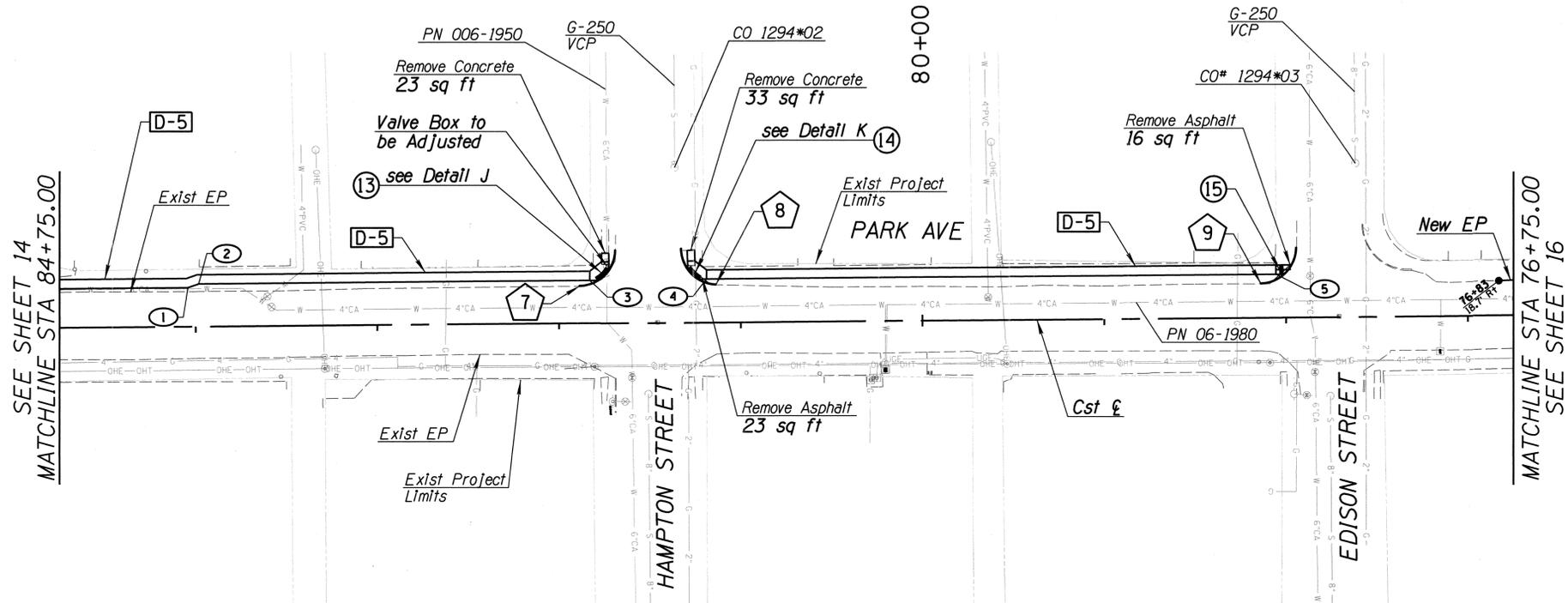
DRWN. BY	ABB	12/14	REF.	SCALE: 1" = 40'
DSGN. BY	ABB	12/14		
CHKD. BY	JAS	12/14	PLAN NO.	U-2014-001

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Sidewalk Data Points

Station	Offset
1 84+04.10	21.1' Rt
2 83+98.20	23.1' Rt
3 81+82.90	23.2' Rt
4 81+18.70	23.6' Rt
5 78+05.40	23.5' Rt



LEGEND

- ⊙ New Access Ramp Reference No. See Sheet 9
- ⬡ New Driveway Reference No. See Sheet 9
- ⬠ New Concrete Curb Reference No. See Sheet 9
- ⊙ New Tree to be Planted as per Details on Sheet 35

- C-W New Concrete Sidewalk - Width (ft) 4" Thick - PC/COT Std Dtl 200
- D-W New Stabilized DG Sidewalk - Width (ft) See Detail E
- B New Bus Pad (6" Thick) See Plan for Dimensions
- ⊙ Sidewalk Data Point Offset to Face of Sidewalk See This Sheet

- P Existing Utility Protect in Place (Includes Water Meter, Water Valve, Hydrant, Gas Meter/Valve, Pole, Pedestal, etc.)
- M Existing Mailbox To be Relocated

REMOVALS - Totals This Sheet

Concrete Total = 56 Sq Ft ±
Asphalt Total = 39 Sq Ft ±



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PLAN SHEET			
DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION			15
PARK AVENUE ENHANCEMENT SPEEDWAY BOULEVARD TO FORT LOWELL ROAD			OF
CITY OF TUCSON			35
DRWN. BY	ABB	12/14	REF. _____ SCALE: 1" = 40'
DSGN. BY	ABB	12/14	_____
CHKD. BY	JAS	12/14	PLAN NO. U-2014-001

Sidewalk Data Points

Station	Offset
1	73+49.70 27.7' Rt
2	73+44.70 27.7' Rt
3	73+24.80 21.1' Rt
4	72+91.20 21.0' Rt
5	72+86.90 22.4' Rt
6	72+48.90 22.4' Rt
7	72+08.80 22.3' Rt
8	71+68.90 22.2' Rt
9	71+09.30 22.7' Rt
10	70+86.70 23.9' Rt

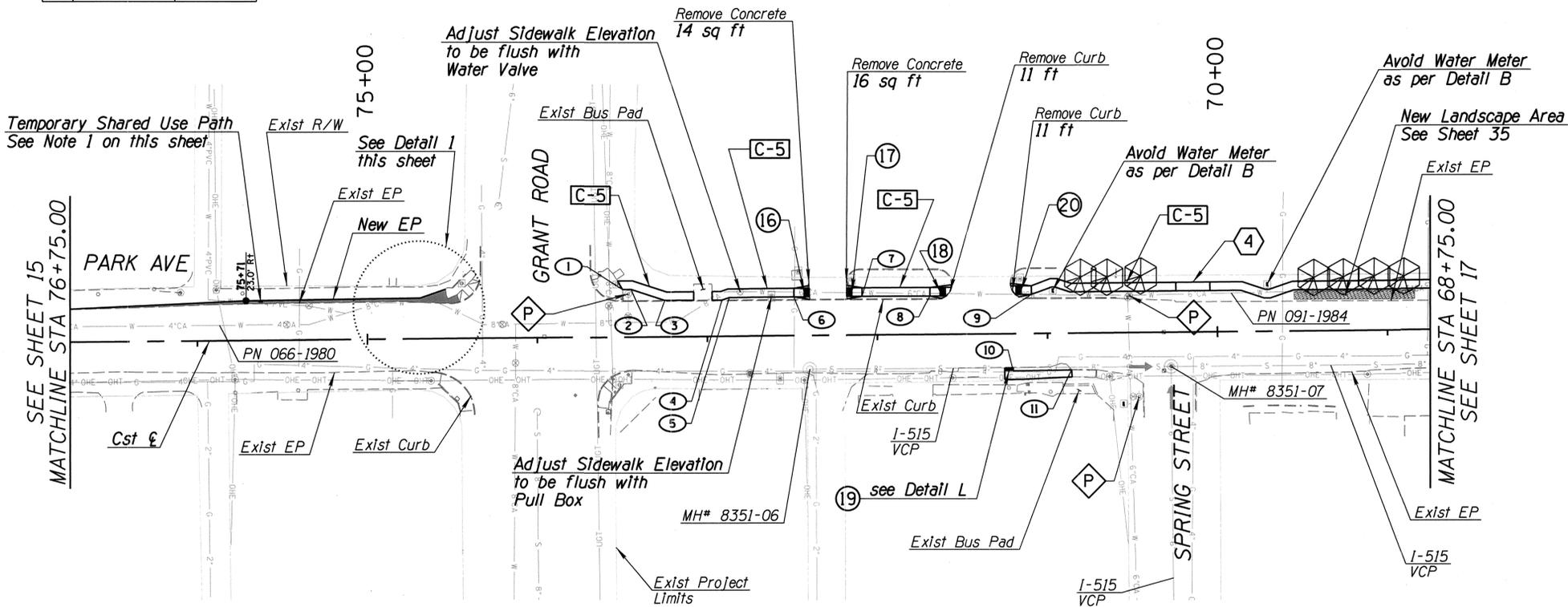


LEGEND

- New Access Ramp Reference No. See Sheet 9
- New Driveway Reference No. See Sheet 9
- New Concrete Curb Reference No. See Sheet 9
- New Tree to be Planted as per Details on Sheet 35

- New Concrete Sidewalk - Width (ft) 4" Thick - PC/COT Std Dtl 200
- New Stabilized DG Sidewalk - Width (ft) See Detail E
- New Bus Pad (6" Thick) See Plan for Dimensions
- Sidewalk Data Point Offset to Face of Sidewalk See This Sheet

- Existing Utility Protect In Place (Includes Water Meter, Water Valve, Hydrant, Gas Meter/Valve, Pole, Pedestal, etc.)
- Existing Mailbox To be Relocated

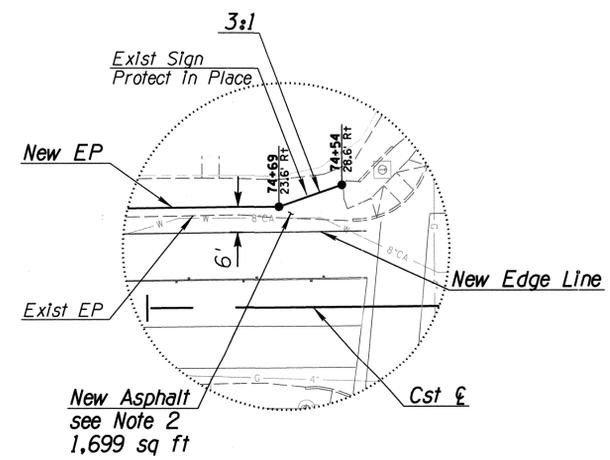


SEE SHEET 15
MATCHLINE STA 76+75.00

MATCHLINE STA 68+75.00
SEE SHEET 17

Sidewalk Data Points

Station	Offset
11	71+20.30 21.6' Lt
12	70+86.10 21.4' Lt



DETAIL 1

Notes:

- 1) The Grant Rd widening project is currently under design and will impact Park Ave between approximately Sta 72+20 and Sta 79+70. The current pavement does not provide for cyclists and no sidewalk is provided. Any work done in this area would be demolished for the Grant Rd works. The 6' shared-use path will provide temporary facilities for both pedestrians and cyclists.
- 2) Shared-use path to be installed as to provide a transition from existing curb ramp at south-west corner of Grant Rd to 6' wide paved shoulder. Width to be taken from the new edge line.

REMOVALS - Totals This Sheet

Concrete Total = 30 Sq Ft ±
Curb Total = 22 Lin Ft ±

Call at least two full working days before you begin excavation.

ARIZONA 811

Dial 8-1-1 or 1-800-STAKE-IT (782-5348)



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NO.	DATE	REVISION	BY	CHKD.	APPR.

Professional Engineer Seal for Jason A. Simmers, License No. 41968, State of Arizona. Expires 3/31/2017.

PLAN SHEET

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION		16
PARK AVENUE ENHANCEMENT SPEEDWAY BOULEVARD TO FORT LOWELL ROAD		OF 35
DRWN. BY	ABB	12/14
DSGN. BY	ABB	12/14
CHKD. BY	JAS	12/14
REF.	SCALE: 1" = 40'	
PLAN NO.	U-2014-001	



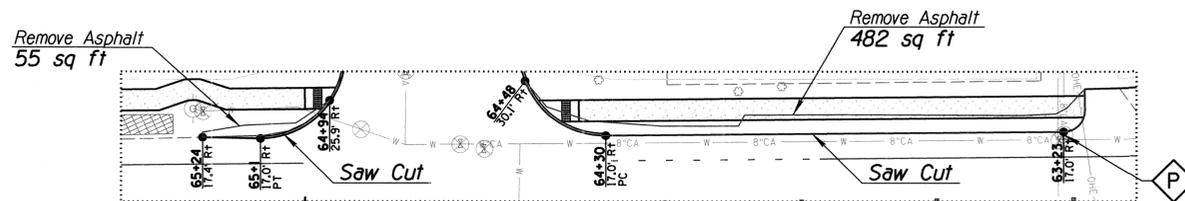
LEGEND

- ⊛ New Access Ramp Reference No. See Sheet 9
- ⊞ New Driveway Reference No. See Sheet 9
- ⊞ New Concrete Curb Reference No. See Sheet 9
- ⊙ New Tree to be Planted as per Details on Sheet 35

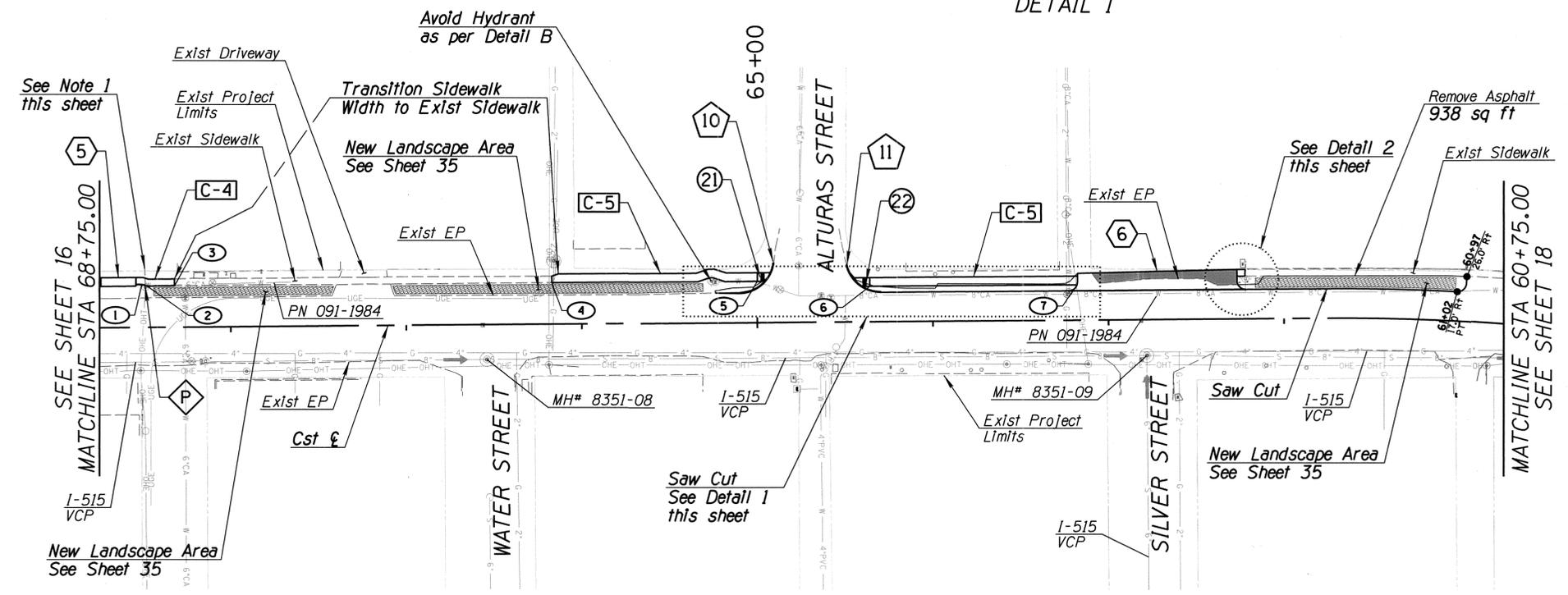
- [C-W] New Concrete Sidewalk - Width (ft) 4" Thick - PC/COT Std Dtl 200
- [D-W] New Stabilized DG Sidewalk - Width (ft) See Detail E
- [B] New Bus Pad (6" Thick) See Plan for Dimensions
- ⊙ Sidewalk Data Point Offset to Face of Sidewalk See This Sheet

- ⊞ Existing Utility Protect in Place (Includes Water Meter, Water Valve, Hydrant, Gas Meter/Valve, Pole, Pedestal, etc.)
- ⊞ Existing Mailbox To be Relocated

REMOVALS - Totals This Sheet
 Asphalt Total = 1,938 Sq Ft ±

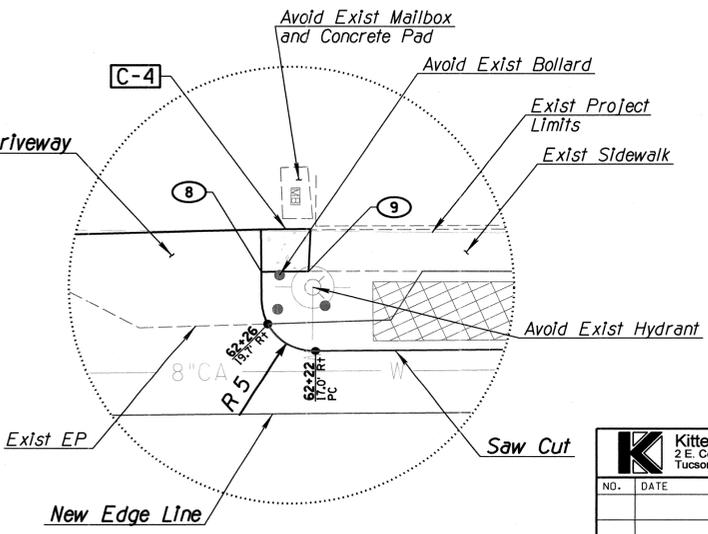


DETAIL 1



Sidewalk Data Points

Station	Offset
1	68+50.60 24.9' Rt
2	68+47.60 23.9' Rt
3	68+32.00 23.9' Rt
4	66+17.00 23.9' Rt
5	64+99.90 23.9' Rt
6	64+35.80 20.5' Rt
7	63+17.80 20.4' Rt
8	62+26.60 24.6' Rt
9	62+22.20 24.6' Rt



DETAIL 2

Notes:
 1) New Sidewalk to be installed within 1' of utility pole and under the guy wire. Minimum clearance to guy wire is approximately 10'.



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NO.	DATE	REVISION	BY	CHKD.	APPR.



PLAN SHEET

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

PARK AVENUE ENHANCEMENT
SPEEDWAY BOULEVARD TO FORT LOWELL ROAD

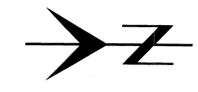
DRWN. BY: ABB	12/14	REF.	SCALE: 1" = 40'
DSGN. BY: ABB	12/14		
CHKD. BY: JAS	12/14	PLAN NO. U-2014-001	

17 OF 35

Sidewalk Data Points

Station	Offset
1 58+53.40	17.5' Lt
2 58+14.60	17.5' Lt
3 57+75.20	17.0' Lt
4 57+59.44	22.9' Lt
5 55+76.10	22.7' Lt

- Notes:**
- 1) Curb Ramp 23 to be retrofitted into existing sidewalk
 - 2) Sidewalk to be adjusted in the field to fit around the concrete pad for the mailbox. Minimum sidewalk width of 4'.
 - 3) Stamped Asphalt to be 14' wide, with the layout based around crosswalk - see PCCOT Pavement Marking Design Manual Sht 2-8. New pavement should be flush with existing surface and water valves.

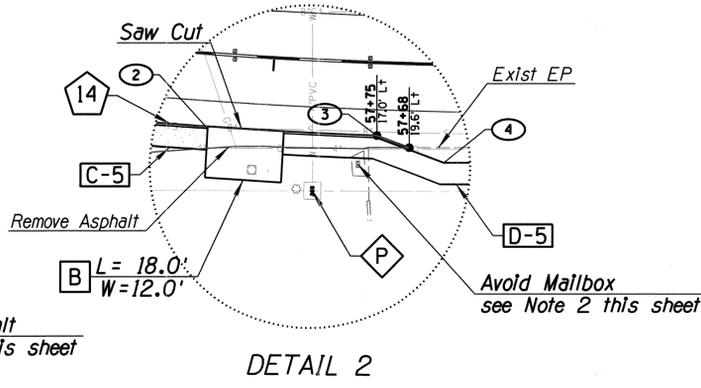
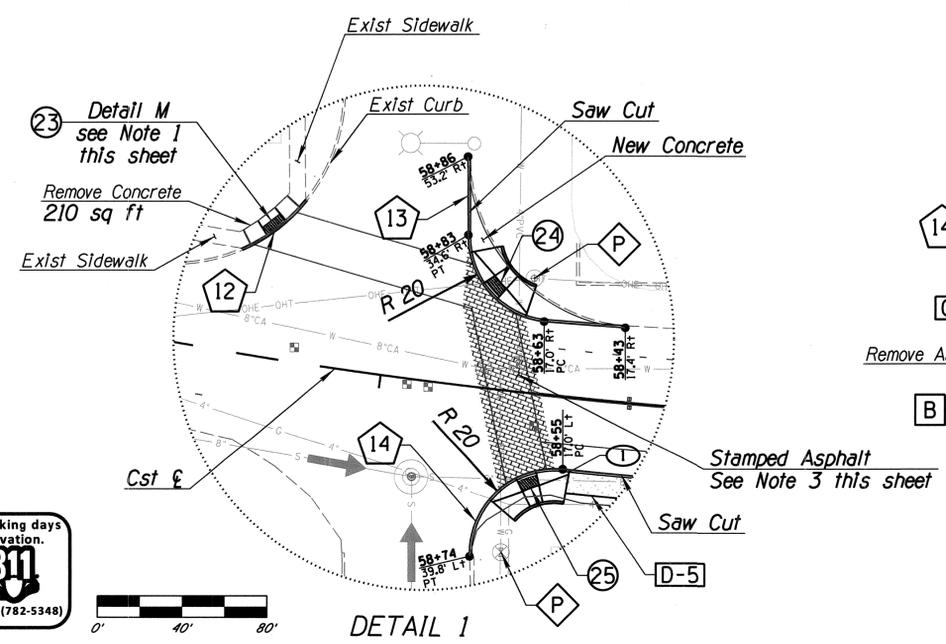
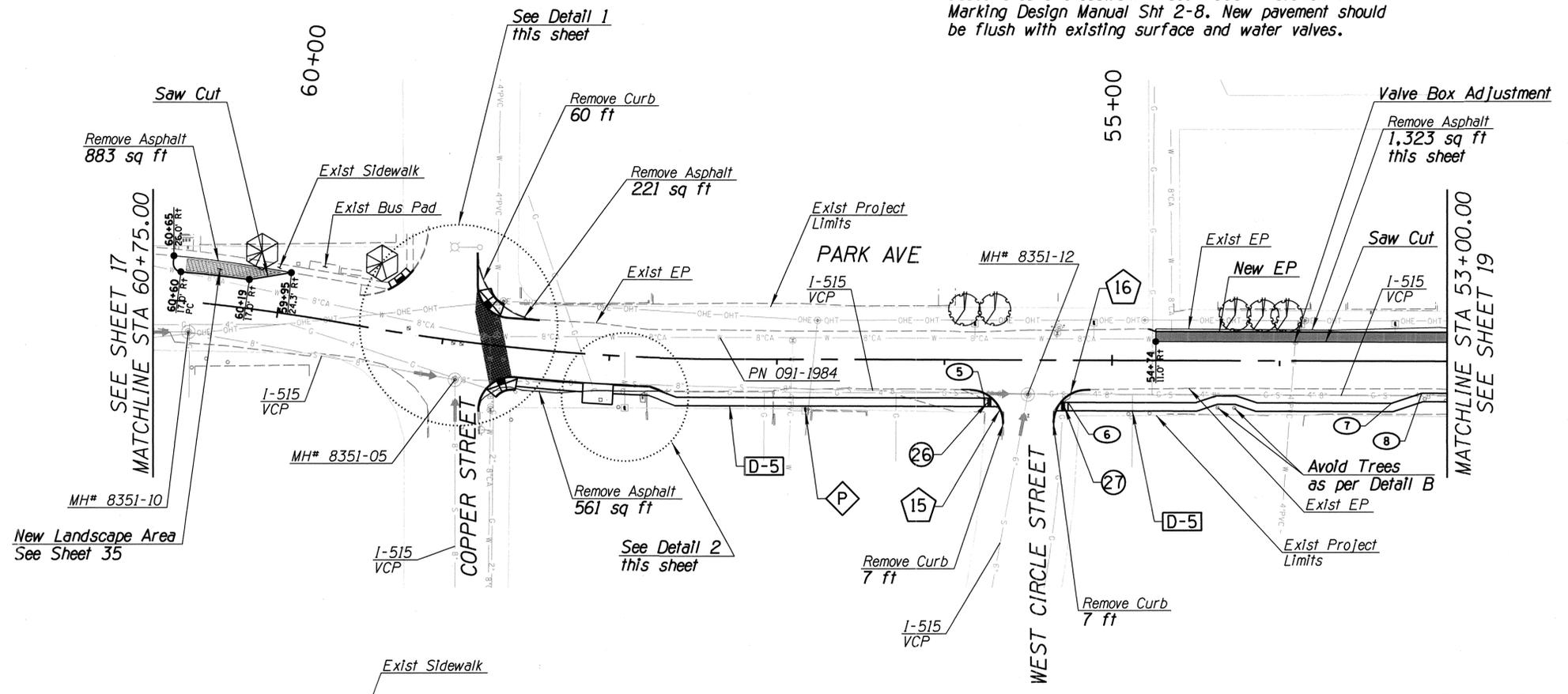


- LEGEND**
- ⊛ New Access Ramp Reference No. See Sheet 9
 - ⬡ New Driveway Reference No. See Sheet 9
 - ⬠ New Concrete Curb Reference No. See Sheet 9
 - 🌳 New Tree to be Planted as per Details on Sheet 35

- [C-W] New Concrete Sidewalk - Width (ft) 4" Thick - PC/COT Std Dtl 200
- [D-W] New Stabilized DG Sidewalk - Width (ft) See Detail E
- [B] New Bus Pad (6" Thick) See Plan for Dimensions
- ⊙ Sidewalk Data Point Offset to Face of Sidewalk See This Sheet
- [P] Existing Utility Protect In Place (Includes Water Meter, Water Valve, Hydrant, Gas Meter/Valve, Pole, Pedestal, etc.)
- [M] Existing Mailbox To be Relocated

REMOVALS - Totals This Sheet

Concrete Total = 210 Sq Ft ±
 Asphalt Total = 2,988 Sq Ft ±
 Curb Total = 74 Lin Ft ±



Sidewalk Data Points

Station	Offset
6 55+26.10	25.0' Lt
7 53+33.10	25.0' Lt
8 53+15.10	19.0' Lt



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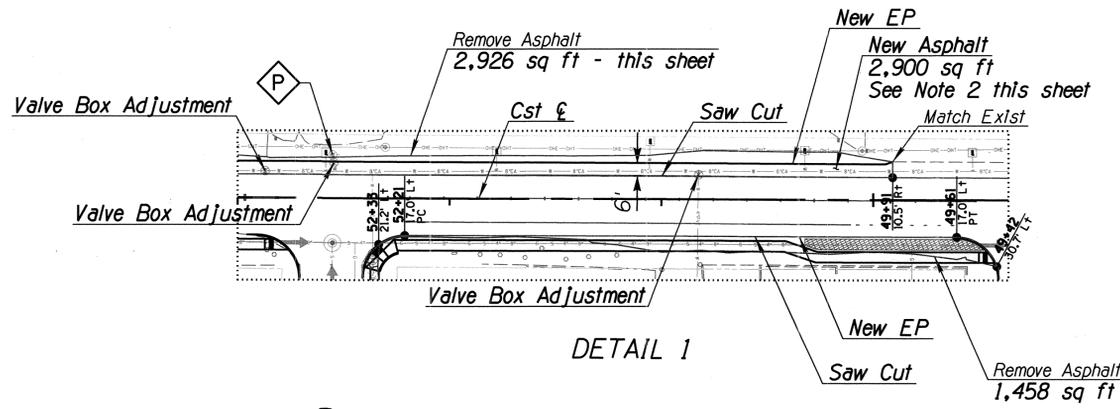


PLAN SHEET

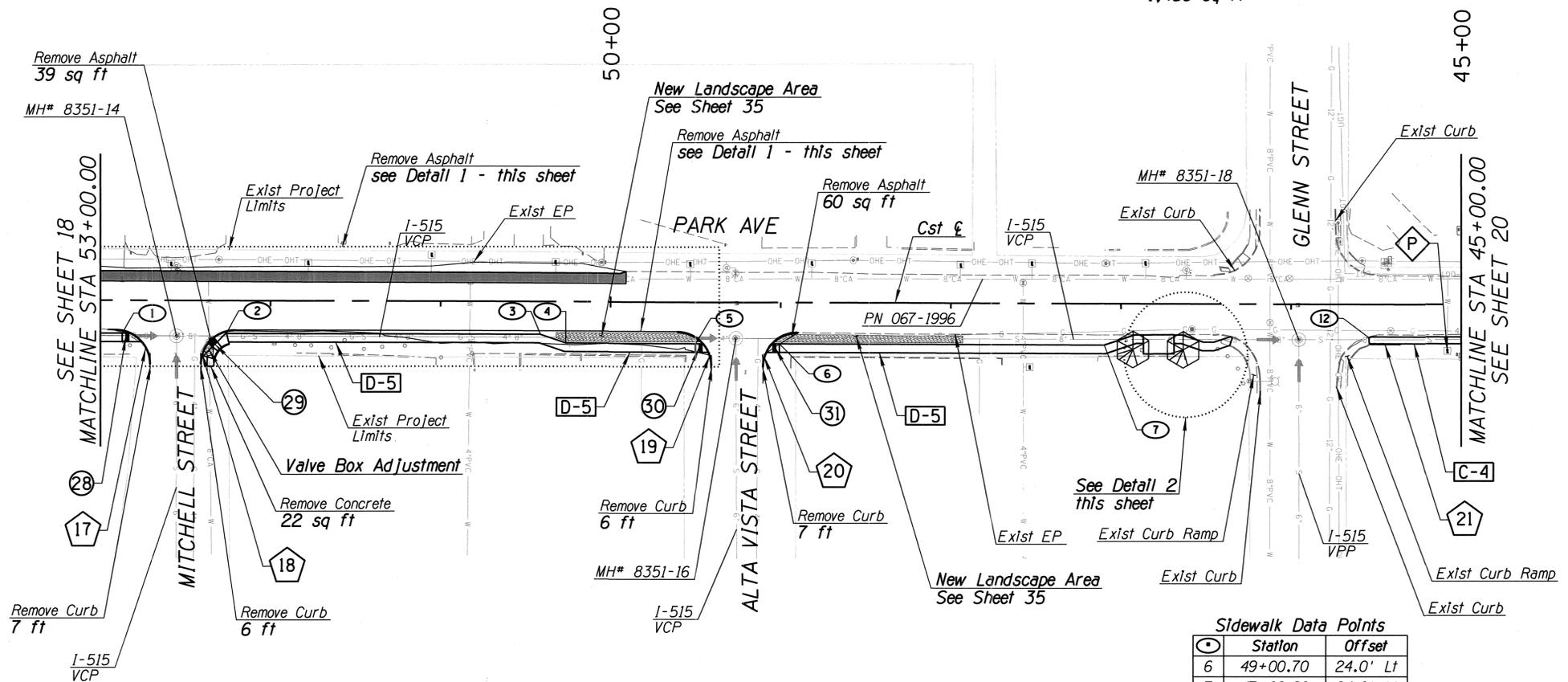
DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION		18
PARK AVENUE ENHANCEMENT SPEEDWAY BOULEVARD TO FORT LOWELL ROAD		OF 35
CITY OF TUCSON	DRWN. BY ABB 12/14 DSGN. BY ABB 12/14 CHKD. BY JAS 12/14	REF. _____ SCALE: 1" = 40' PLAN NO. U-2014-001

Sidewalk Data Points

Station	Offset
1 52+87.10	19.0' Lt
2 52+25.90	19.0' Lt
3 50+41.30	19.0' Lt
4 50+26.30	24.0' Lt
5 49+50.00	24.0' Lt

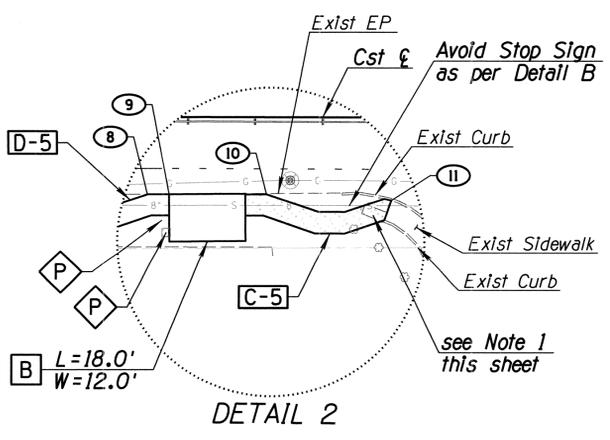


- LEGEND**
- ⊙ New Access Ramp Reference No. See Sheet 9
 - ⬡ New Driveway Reference No. See Sheet 9
 - ⬢ New Concrete Curb Reference No. See Sheet 9
 - ⊗ New Tree to be Planted as per Details on Sheet 35
 - [C-W] New Concrete Sidewalk - Width (ft) 4" Thick - PC/COT Std Dtl 200
 - [D-W] New Stabilized DG Sidewalk - Width (ft) See Detail E
 - [B] New Bus Pad (6" Thick) See Plan for Dimensions
 - ⊙ Sidewalk Data Point Offset to Face of Sidewalk See This Sheet
 - ⬠ Existing Utility Protect In Place (Includes Water Meter, Water Valve, Hydrant, Gas Meter/Valve, Pole, Pedestal, etc.)
 - ⬢ Existing Mailbox To be Relocated



Sidewalk Data Points

Station	Offset
6 49+00.70	24.0' Lt
7 47+09.80	24.0' Lt
8 46+91.80	18.0' Lt
9 46+86.80	18.0' Lt
10 46+63.80	18.0' Lt
11 46+34.40	19.4' Lt
12 45+54.20	19.2' Lt



- Notes:**
- 1) New Concrete Sidewalk to be installed flush around electric pull box.
 - 2) When installing new asphalt pavement, contractor should maintain a minimum of 2 ft of undisturbed soil to top of existing water main.

REMOVALS - Totals This Sheet

Concrete Total = 22 Sq Ft ±
 Asphalt Total = 4,483 Sq Ft ±
 Curb Total = 26 Lin Ft ±



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PLAN SHEET

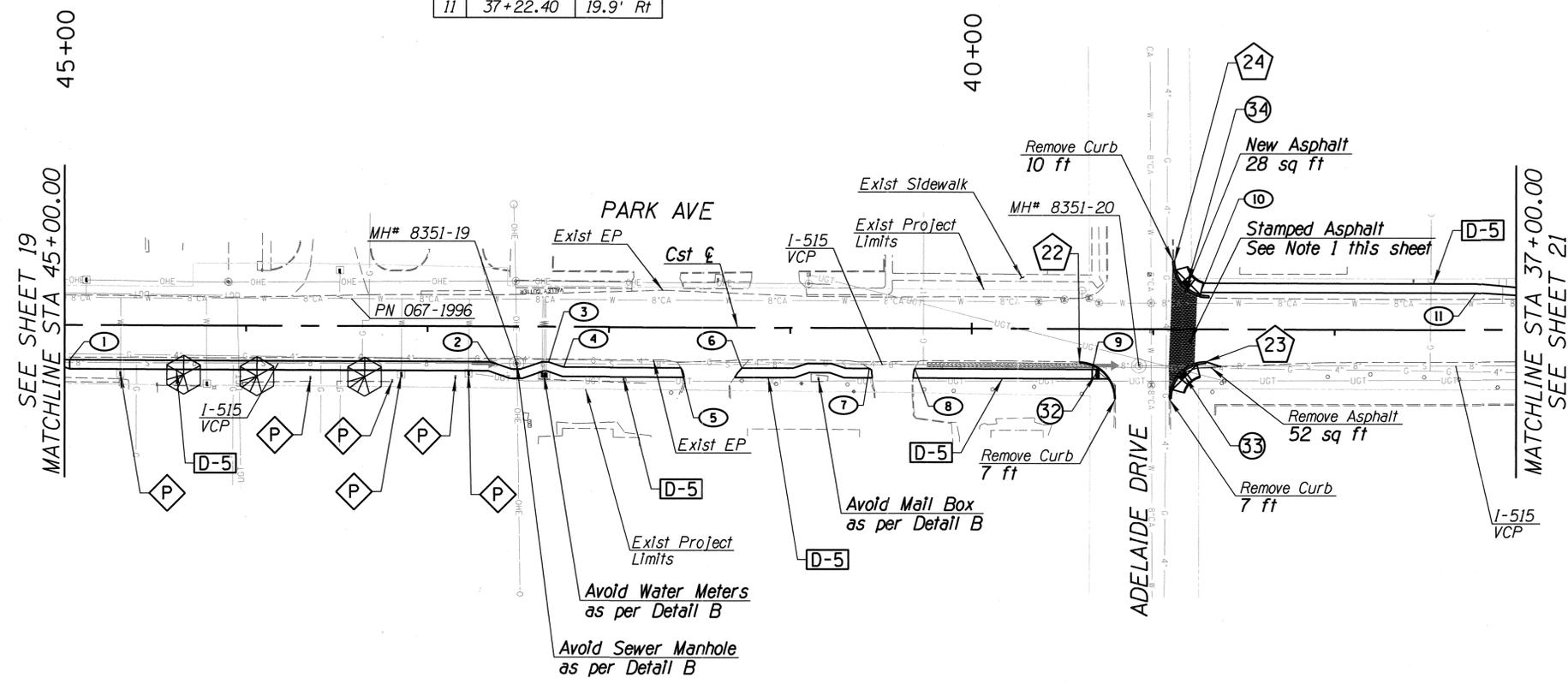
DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION				19
PARK AVENUE ENHANCEMENT				OF
SPEEDWAY BOULEVARD TO FORT LOWELL ROAD				35
	DRWN. BY	ABB	12/14	REF. _____ SCALE: 1" = 40'
	DSGN. BY	ABB	12/14	
	CHKD. BY	JAS	12/14	PLAN NO. U-2014-001

Notes:

- 1) Stamped Asphalt to be 14' wide, with the layout based around crosswalk - see PCCOT Pavement Marking Design Manual Sht 2-8. New pavement should be flush with existing surface.



Station	Offset
1	44+97.20 18.9' Lt
2	42+65.60 19.2' Lt
3	42+33.10 19.2' Lt
4	42+24.80 22.0' Lt
5	41+60.30 22.0' Lt
6	41+26.70 22.0' Lt
7	40+56.40 22.0' Lt
8	40+31.30 22.0' Lt
9	39+33.60 22.0' Lt
10	38+73.80 19.9' Rt
11	37+22.40 19.9' Rt



LEGEND

- ⊛ New Access Ramp Reference No. See Sheet 9
- ⬡ New Driveway Reference No. See Sheet 9
- ⬠ New Concrete Curb Reference No. See Sheet 9
- ⊙ New Tree to be Planted as per Details on Sheet 35
- [C-W] New Concrete Sidewalk - Width (ft) 4" Thick - PC/COT Std Dtl 200
- [D-W] New Stabilized DG Sidewalk - Width (ft) See Detail E
- [B] New Bus Pad (6" Thick) See Plan for Dimensions
- ⊙ Sidewalk Data Point Offset to Face of Sidewalk See This Sheet
- ◇ Existing Utility Protect In Place (Includes Water Meter, Water Valve, Hydrant, Gas Meter/Valve, Pole, Pedestal, etc.)
- ◇ Existing Mailbox To be Relocated

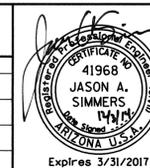
REMOVALS - Totals This Sheet

Asphalt Total = 52 Sq Ft ±
Curb Total = 24 Lin Ft ±



12/1/2014
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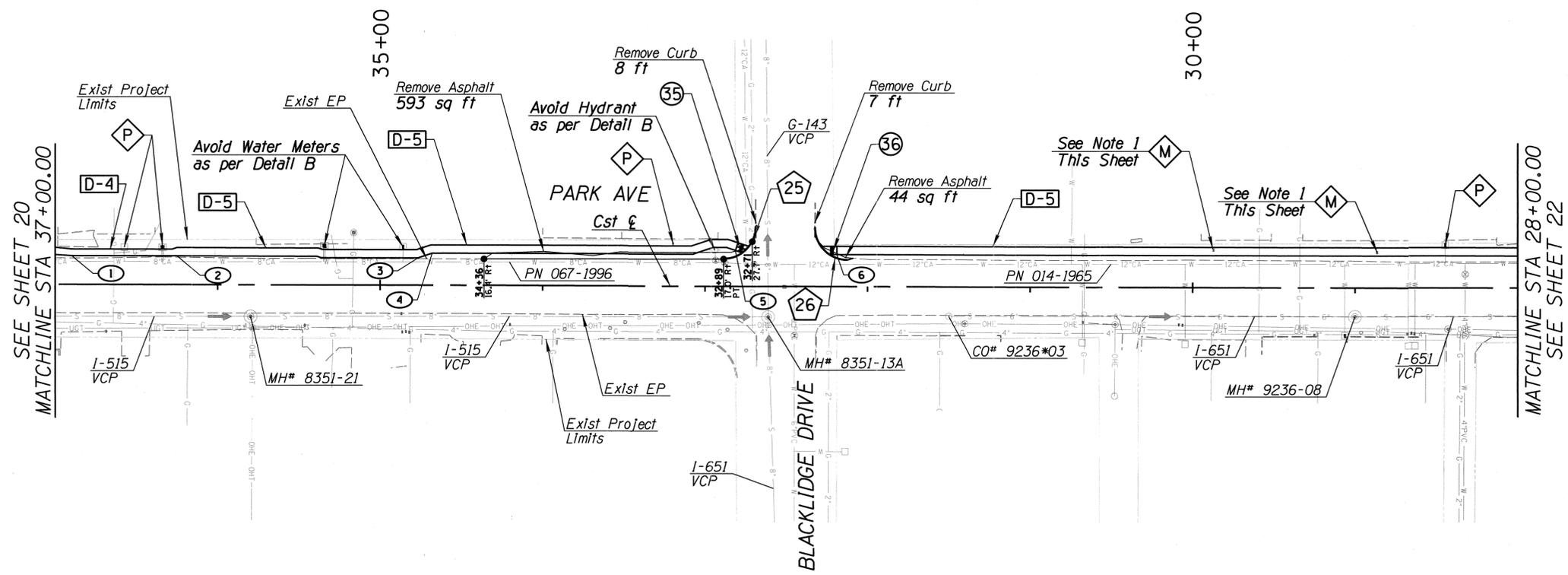
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NO.	DATE	REVISION	BY	CHKD.	APPR.



PLAN SHEET			
DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION			20
PARK AVENUE ENHANCEMENT SPEEDWAY BOULEVARD TO FORT LOWELL ROAD			OF 35
CITY OF TUCSON	DRWN. BY	ABB	12/14
	DSGN. BY	ABB	12/14
	CHKD. BY	JAS	12/14
REF. _____ SCALE: 1" = 40'			PLAN NO. U-2014-001

Sidewalk Data Points

Station	Offset
1 36+89.80	17.9' Rt
2 36+25.10	17.9' Rt
3 34+76.70	17.0' Rt
4 34+68.00	19.9' Rt
5 32+81.30	22.2' Rt
6 32+19.00	19.9' Rt



- LEGEND**
- New Access Ramp Reference No. See Sheet 9
 - New Driveway Reference No. See Sheet 9
 - New Concrete Curb Reference No. See Sheet 9
 - New Tree to be Planted as per Details on Sheet 35
-
- New Concrete Sidewalk - Width (ft) 4" Thick - PC/COT Std Dtl 200
 - New Stabilized DG Sidewalk - Width (ft) See Detail E
 - New Bus Pad (6" Thick) See Plan for Dimensions
 - Sidewalk Data Point Offset to Face of Sidewalk See This Sheet
-
- Existing Utility Protect In Place (Includes Water Meter, Water Valve, Hydrant, Gas Meter/Valve, Pole, Pedestal, etc.)
 - Existing Mailbox To be Relocated

REMOVALS - Totals This Sheet

Asphalt Total = 637 Sq Ft ±
Curb Total = 15 Lin Ft ±

Note:

- 1) Mailbox to be relocated such that face of mailbox is 4' back of pavement edge. Set post in 18" x 12" concrete footing.

Call at least two full working days before you begin excavation.

ARIZONA 811
Arizona One Stop, Inc.

Dial 8-1-1 or 1-800-STAKE-IT (782-5348)



12/1/2014
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<p>Kittelson & Associates, Inc. 2 E. Congress St., Suite 705 Tucson, AZ 85701 (520) 544-4087</p>					
NO.	DATE	REVISION	BY	CHKD.	APPR.

Professional Engineer Seal for Jason A. Simmers, No. 41968, State of Arizona, U.S.A. Expires 3/31/2017.

PLAN SHEET

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

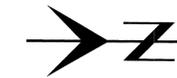
PARK AVENUE ENHANCEMENT
SPEEDWAY BOULEVARD TO FORT LOWELL ROAD

DRWN. BY	ABB	12/14	REF.	SCALE: 1" = 40'
DSGN. BY	ABB	12/14		
CHKD. BY	JAS	12/14	PLAN NO.	U-2014-001

21 OF 35

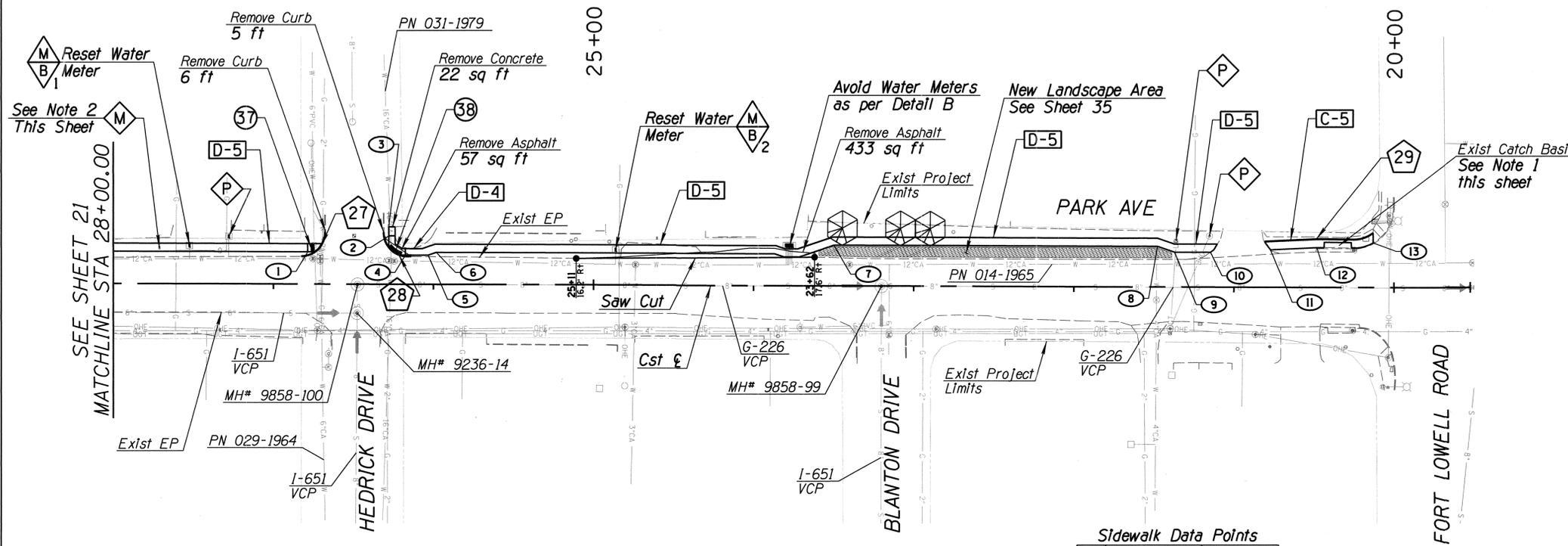
Station	Offset
1	26+78.60 19.9' Rt
2	26+27.90 29.7' Rt
3	26+28.00 35.3' Rt
4	26+17.60 18.0' Rt
5	26+03.40 18.0' Rt
6	25+98.30 19.7' Rt

CODE	ADDRESS	PIPE SIZES & QUANT. (IN FEET ±)			
		3/4"	1"	1 1/2"	2"
1	3047 N. Park Ave. *20219844				
2	3111 N. Park Ave. *21121400				
TOTAL QUANTITIES OF SERVICE CU PIPE					



LEGEND

- New Access Ramp Reference No. See Sheet 9
- New Driveway Reference No. See Sheet 9
- New Concrete Curb Reference No. See Sheet 9
- New Tree to be Planted as per Details on Sheet 35
- New Concrete Sidewalk - Width (ft) 4" Thick - PC/COT Std Dtl 200
- New Stabilized DG Sidewalk - Width (ft) See Detail E
- New Bus Pad (6" Thick) See Plan for Dimensions
- Sidewalk Data Point Offset to Face of Sidewalk See This Sheet
- Existing Utility Protect In Place (Includes Water Meter, Water Valve, Hydrant, Gas Meter/Valve, Pole, Pedestal, etc.)
- Existing Mailbox To be Relocated



Station	Offset
7	23+49.90 25.0' Rt
8	21+47.80 25.0' Rt
9	21+37.20 21.4' Rt
10	21+14.70 21.4' Rt
11	20+77.30 23.0' Rt
12	20+48.20 24.4' Rt
13	20+13.00 27.4' Rt

- Note:**
- 1) New concrete sidewalk to be installed around existing catch basin, matching the existing elevations
 - 2) Mailbox to be relocated such that face of mailbox is 4' back of pavement edge. Set post in 18" x 12" concrete footing.

REMOVALS - Totals This Sheet

Concrete Total = 22 Sq Ft ±
 Asphalt Total = 490 Sq Ft ±
 Curb Total = 11 Lin Ft ±



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PLAN SHEET

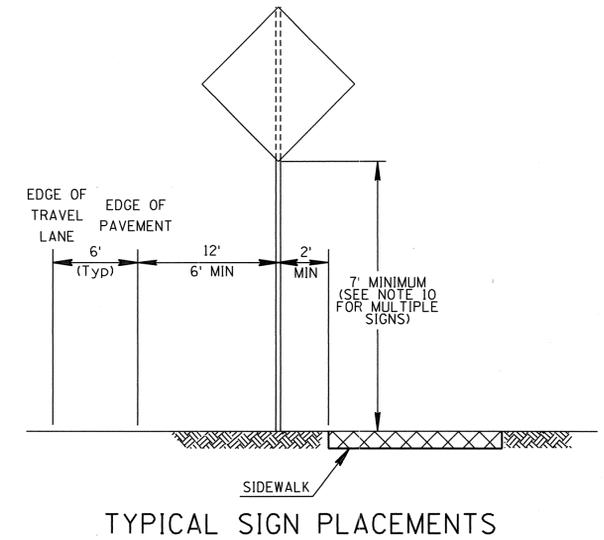
DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION		22
PARK AVENUE ENHANCEMENT SPEEDWAY BOULEVARD TO FORT LOWELL ROAD		OF 35
DRWN. BY	ABB	12/14
DSGN. BY	ABB	12/14
CHKD. BY	JAS	12/14
CITY OF TUCSON		PLAN NO. U-2014-001

PAVEMENT MARKINGS GENERAL NOTES

1. All pavement markings shall conform to current Pima County / City of Tucson (PC/COT) Standards and Specifications. The Contractor shall refer to the PCDOT and COTDOT Pavement Marking Design Manual, 2008 Revision.
2. The permanent pavement markings may be modified as directed by the Traffic Engineer.
3. The design speed for Park Ave is: 35mph. The posted speed limit is: 30mph.
4. All lane dimensions are from center of lane line, center of double lane line, face of curb, or edge of pavement unless otherwise noted.
5. The pavement marking drawings are schematic only, unless control data is provided. the contractor shall follow all dimensions, details, and standards when installing pavement striping, legends and markers.
6. The final Longitudinal Striping shall be 60 mil (0.060") thick Hot-Sprayed Thermoplastic Reflectorized Striping placed over the temporary striping within 14 to 30 calendar days after completion of the final pavement surface, or as directed by the Traffic Engineer. All other markings shall be applied at the same time. Temporary striping shall be painted.
7. All final Transverse Markings shall be 90 mil Thermoplastic Striping (0.090"). All Pavement Arrows and Legends shall be 90 mil extruded Thermoplastic or Preformed applications as required by Special Provisions.
8. The Contractor shall be responsible for the layout and installation of pavement markings. The layout and inspection of all pavement markings shall be approved by the Traffic Engineer prior to the application of materials.
9. 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 degrees F. For the placement of Hot Sprayed Thermoplastic striping, and 40 degrees F. For the placement of Raised Pavement Markers (RPMs).
10. All Raised Pavement Markers (RPMs) shall be installed so that the reflective face of each marker is facing the direction of traffic flow. Type C pavement markers shall be installed so that the clear reflective face of each marker is facing approaching traffic and perpendicular to the direction of traffic flow.
11. 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.
12. The Engineer of record shall be required to produce as-built striping plans within 90 days of striping completion.
13. Blue Raised Pavement Markers shall be placed adjacent to Fire Hydrants as shown on sheet 7-1 of the PC/COT Pavement Marking Design Manual.
14. Final inspection/acceptance of pavement markings shall be performed by the Traffic Engineer.

GENERAL SIGNING NOTES

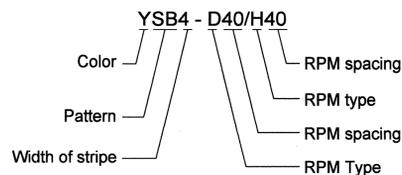
1. All signs shall be in compliance with the 2009 Edition of the Manual on Uniform Traffic Control Devices, 2002 Edition of the Pima County and City of Tucson Traffic Signing Design Manual, the current Supplemental Specifications, these Plans, and the Special Provisions.
2. Signs may be modified and location adjusted to fit conditions as directed by the Traffic Engineer.
3. The total post length indicated is approximate. The Contractor shall verify actual post lengths per the detail provided on this sheet.
4. All performed posts shall be installed in a concrete foundation, unless otherwise directed by the Traffic Engineer.
5. All sign station locations are approximate. The Contractor shall verify actual sign locations with the Traffic Engineer prior to the installation of all signs.
6. The contractor shall be responsible for coordinating all work with Blue Stake and for installing all traffic signs in the field.
7. All warning signs shall be fluorescent yellow ASTM Type XI sheeting. All school signs shall be fluorescent yellow-green ASTM Type XI sheeting. All other signs shall be Type IV sheeting.
8. All new signs shall have 0.080" aluminum backing unless otherwise specified. Any sign that is to be reused shall be temporarily stored in a safe location until reinstallation.
9. The design speed for Park Avenue is 35 mph, the posted speed limit for the road is 30 mph. Sign placement shall be based on the posted speed limit.
10. Signs shall be mounted a minimum of 7 feet from the bottom edge of sign to the top of pavement. For multiple signs mounted on the same post, a minimum clearance of 6 feet from the bottom of sign to top of pavement shall be provided.
11. Signs to be placed on the shoulder shall be located between the edge of pavement and sidewalk unless otherwise noted.
12. Signs and Object Markers within the project limits that are not designated within these plans to remain or to be relocated, shall remain.
13. All Regulatory and Warning Signs shall be standard size, unless otherwise noted.
14. All new signs and relocated signs shall be installed on 2S (2" square tube) Posts.
15. Shop drawings for all signs including street name signs shall be submitted to Traffic Engineering (Dahn Swartz 791-4259) for approval before fabrication.



APPROXIMATE PAVEMENT MARKING QUANTITIES			
BID ITEM	ITEM	UNIT	QUANTITY
7040010	PAVEMENT MARKING (WHITE THERMOPLASTIC) (0.060")	L FT	24,341
7040020	PAVEMENT MARKING (YELLOW THERMOPLASTIC) (0.060")	L FT	4,409
7040072	PAVEMENT MARKING (TRANSVERSE) (THERMOPLASTIC) (ALKYD) (0.090")	L FT	
7040030	PAVEMENT MARKING, PREFORMED, TYPE I, SINGLE ARROW	EA	4
7040060	PAVEMENT MARKING, PREFORMED, TYPE I, LEGEND (ONLY)	EA	1
7060025	PAVEMENT MARKER, RAISED, TYPE D	EA	114
7060030	PAVEMENT MARKER, RAISED, TYPE G	EA	11
7060040	PAVEMENT MARKER, RAISED, TYPE F	EA	11
7080001	PAVEMENT MARKING PAINTED (WHITE TEMPORARY)	L FT	24,314
7080002	PAVEMENT MARKING PAINTED (YELLOW TEMPORARY)	L FT	4,409

APPROXIMATE SIGNING QUANTITIES			
BID ITEM	ITEM	UNIT	QUANTITY
6070220	REMOVE AND RELOCATE SIGNS	EA	1
6080021	SIGN PANEL (TRAFFIC CONTROL) (PERMANENT) (TYPE II)	SQ FT	39
6070010	SIGN POST (PERFORATED) (2 S)	LF	77
6070110	FOUNDATION FOR SQUARE TUBE POST	EACH	8

PAVEMENT MARKINGS LEGEND

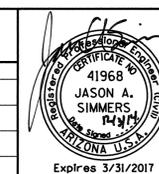


WB - White Broken
 WS - White Solid
 WG - White Guide (Dotted)
 YDS - Yellow Double Solid
 YB - Yellow Broken
 YSB - Yellow Solid and Broken
 YS - Yellow Solid
 YDB - Yellow Double Broken



12/1/2014
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NO.	DATE	REVISION	BY	CHKD.	APPR.



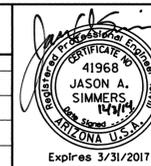
PAVEMENT MARKING GENERAL NOTES			
DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION			23
PARK AVENUE ENHANCEMENT SPEEDWAY BOULEVARD TO FORT LOWELL ROAD			OF 35
CITY OF TUCSON	DRWN. BY	ABB	12/14
	DSGN. BY	ABB	12/14
	CHKD. BY	JAS	12/14
REF.	SCALE:		
PLAN NO.	U-2014-001		

New Sign Number	Sign Code	Work						Panel						Ground Mounted					Overhead		Location / Remarks						
		New	Existing				Same Post Sign	Legend	Width (in)	Height (in)	Area (sq. ft.)	Type	Sheeting Type	Bid Item Number	Foundations	Posts		New Slipbases	Retrofit Slipbases	Stringer Type		Stringer Length (ft)	Structure Type	Number of Lights			
			Replace Panel	Overlay Panel	Relocate	See Remarks										Type	Total length (ft)										
1	W11-15	X						Bicycle and Pedestrian Symbols	30	30	6.25	RWM	*	6080005	1	2S	11									Sta 60+68, 18' Lt	
2	W11-15	X						Bicycle and Pedestrian Symbols	30	30	6.25	RWM	*	6080005	1	2S	11										Sta 56+67, 17' Rt
3	R2-1	X						SPEED LIMIT 30 MPH	24	30	5.00	RWM	*	6080005	1	2S	11										Sta 40+67, 25' Lt
4	W11-2	X						Pedestrian Traffic	30	30	6.25	RWM	*	6080005	1	2S	11										Sta 40+89, 18' Lt
5	W11-2	X						Pedestrian Traffic	30	30	6.25	RWM	*	6080005	1	2S	11										Sta 36+77, 17' Rt
6	CUSTOM	X						BIKE ROUTE with Arrows	24	24	4.00	RWM	*	6080005	1	2S	11										Sta 31+43, 19' Rt
7	CUSTOM	X						NO TRUCKS OVER 26 FEET	24	30	5.00	RWM	*	6080005	1	2S	11										Sta 20+21, 31' Rt



12/1/2014
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NO.	DATE	REVISION	BY	CHKD.	APPR.

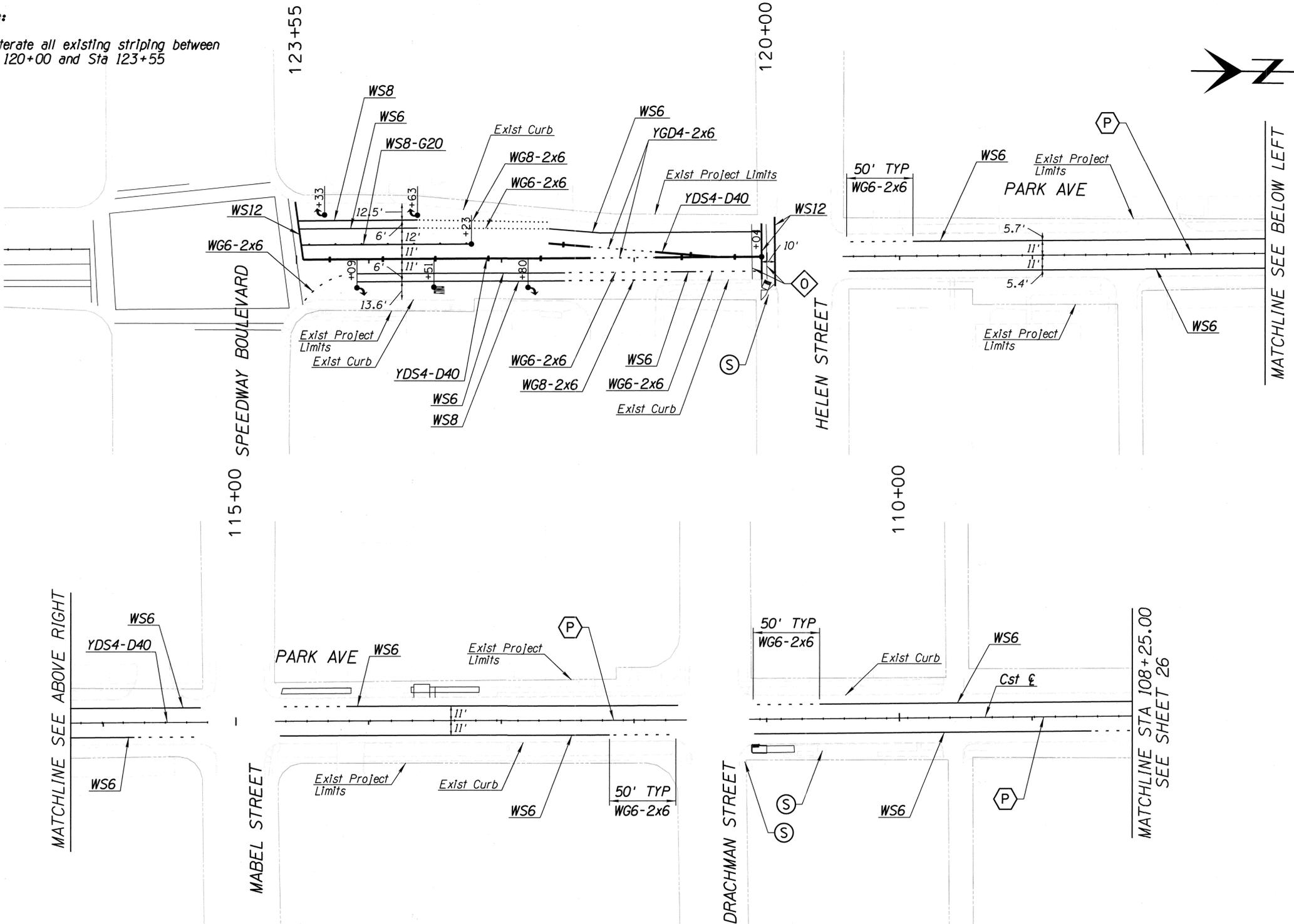


SIGN SUMMARY SHEET			
DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION			
PARK AVENUE ENHANCEMENT SPEEDWAY BOULEVARD TO FORT LOWELL ROAD			
CITY OF TUCSON	DRWN. BY: ABB DSGN. BY: ABB CHKD. BY: JAS	12/14 12/14 12/14	REF. _____ SCALE: _____ PLAN NO. U-2014-001

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OF
35

Note:

Obliterate all existing striping between Sta 120+00 and Sta 123+55



LEGEND

- ◊ Obliterate Existing Stripe
- ⬡ Existing Stripe to be Protected In Place and Refreshed
- Ⓢ Existing Sign to be Protected In Place

CONSTRUCTION NOTES:

A) The existing Edge Lines are to be obliterated for the length of the project unless otherwise noted.

B) New Edge Line pavement marking located 11-ft from existing center stripe, unless otherwise noted. Width of Bike Lane varies based on existing conditions, min width 5'.



12/11/2014
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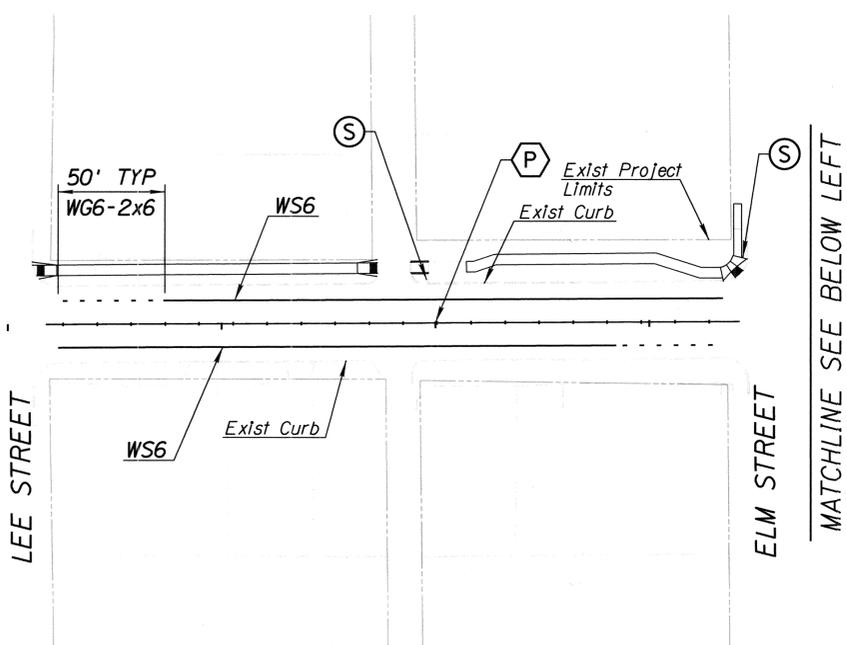
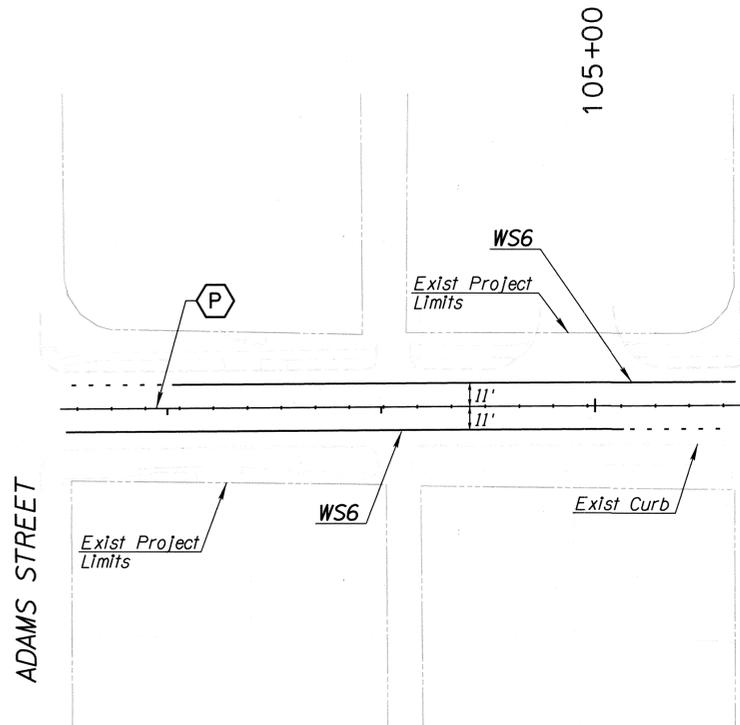
Kittelton & Associates, Inc. 2 E. Congress St., Suite 705 Tucson, AZ 85701 (520) 544-4067					
NO.	DATE	REVISION	BY	CHKD.	APPR.



SIGNING AND STRIPING PLAN			
DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION			
PARK AVENUE ENHANCEMENT SPEEDWAY BOULEVARD TO FORT LOWELL ROAD			
DRWN. BY	ABB	12/14	REF. _____ SCALE: 1" = 40'
DSGN. BY	ABB	12/14	_____
CHKD. BY	JAS	12/14	PLAN NO. U-2014-001

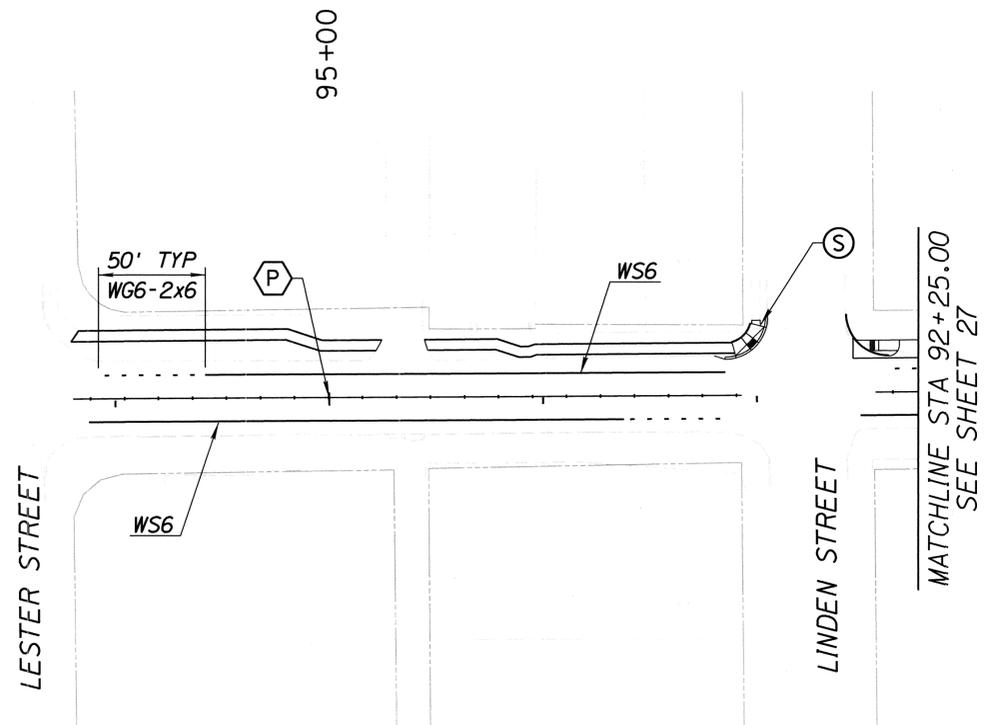
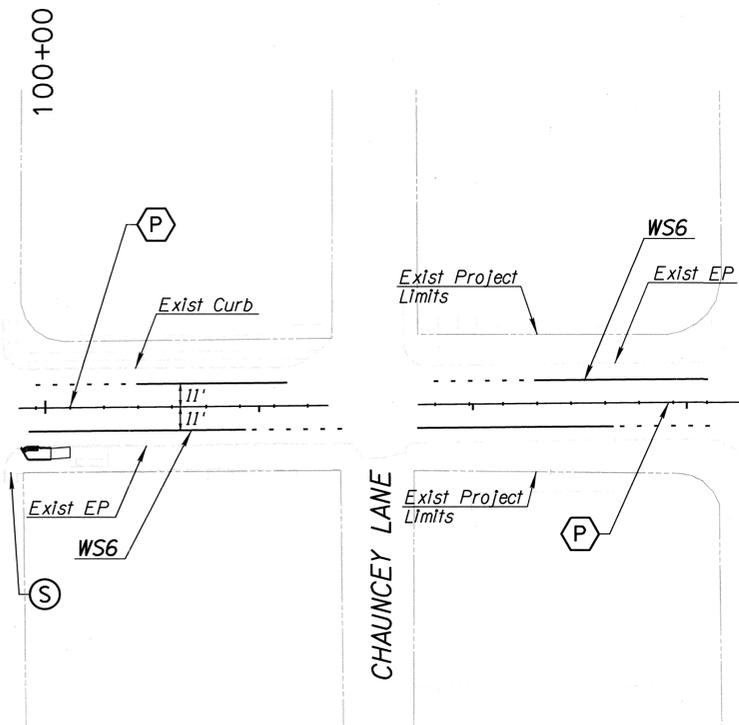
25
OF
35

MATCHLINE STA 108+25.00
SEE SHEET 25



- LEGEND**
- ◊ Obliterate Existing Stripe
 - ⬡ Existing Stripe to be Protected In Place and Refreshed
 - Ⓢ Existing Sign to be Protected In Place

MATCHLINE SEE ABOVE RIGHT



CONSTRUCTION NOTES:

A) The existing Edge Lines are to be obliterated for the length of the project unless otherwise noted.

B) New Edge Line pavement marking located 11-ft from existing center stripe, unless otherwise noted. Width of Bike Lane varies based on existing conditions, min width 5'.



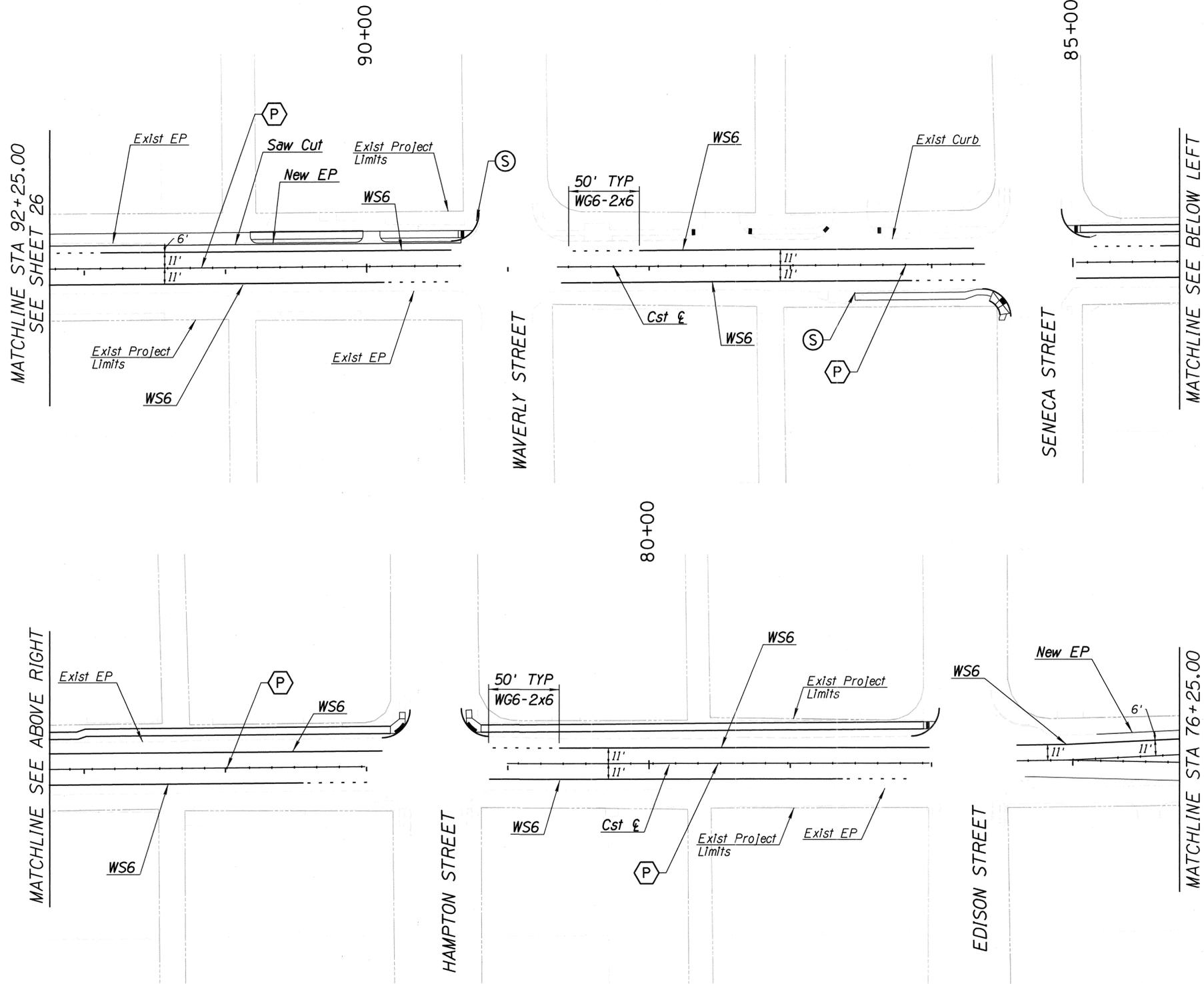
12/1/2014
H:\profile\13316 - Park Ave Final Design\design\06 Stripe\pk-stripe_02.dgn

Kittelson & Associates, Inc. 2 E. Congress St., Suite 705 Tucson, AZ 85701 (520) 544-4087					
NO.	DATE	REVISION	BY	CHKD.	APPR.



SIGNING AND STRIPING PLAN			
DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION			
PARK AVENUE ENHANCEMENT SPEEDWAY BOULEVARD TO FORT LOWELL ROAD			
DRWN. BY	ABB	12/14	REF. _____
DSGN. BY	ABB	12/14	SCALE: 1" = 40'
CHKD. BY	JAS	12/14	PLAN NO. U-2014-001

26
OF
35



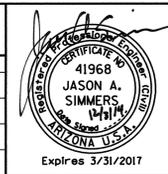
- LEGEND**
- Obliterate Existing Stripe
 - Existing Stripe to be Protected in Place and Refreshed
 - Existing Sign to be Protected in Place

- CONSTRUCTION NOTES:**
- A) The existing Edge Lines are to be obliterated for the length of the project unless otherwise noted.
 - B) New Edge Line pavement marking located 11-ft from existing center stripe, unless otherwise noted. Width of Bike Lane varies based on existing conditions, min width 5'.



12/1/2014
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NO.	DATE	REVISION	BY	CHKD.	APPR.



SIGNING AND STRIPING PLAN			
DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION			
PARK AVENUE ENHANCEMENT			
SPEEDWAY BOULEVARD TO FORT LOWELL ROAD			
DRWN. BY	ABB	12/14	REF. _____ SCALE: 1" = 40'
DSGN. BY	ABB	12/14	_____
CHKD. BY	JAS	12/14	PLAN NO. U-2014-001

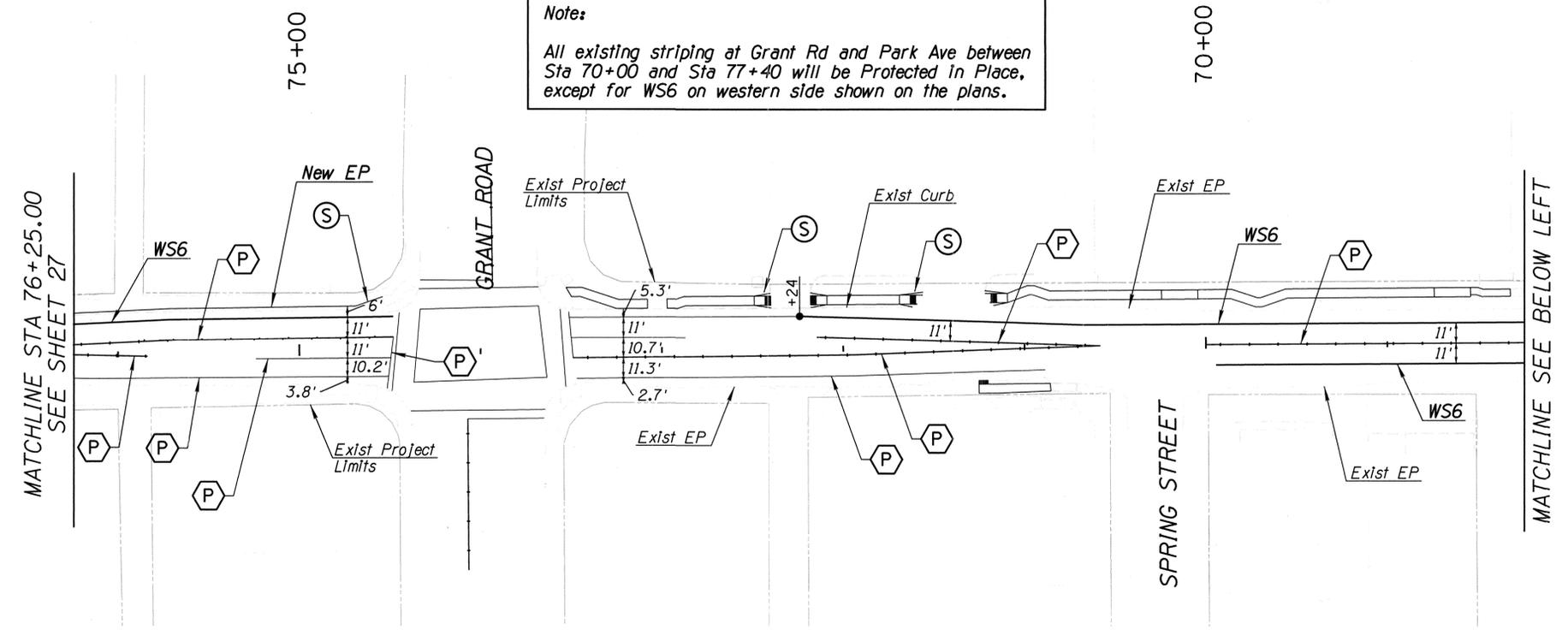
27
OF
35

Note:
 All existing striping at Grant Rd and Park Ave between Sta 70+00 and Sta 77+40 will be Protected in Place, except for WS6 on western side shown on the plans.

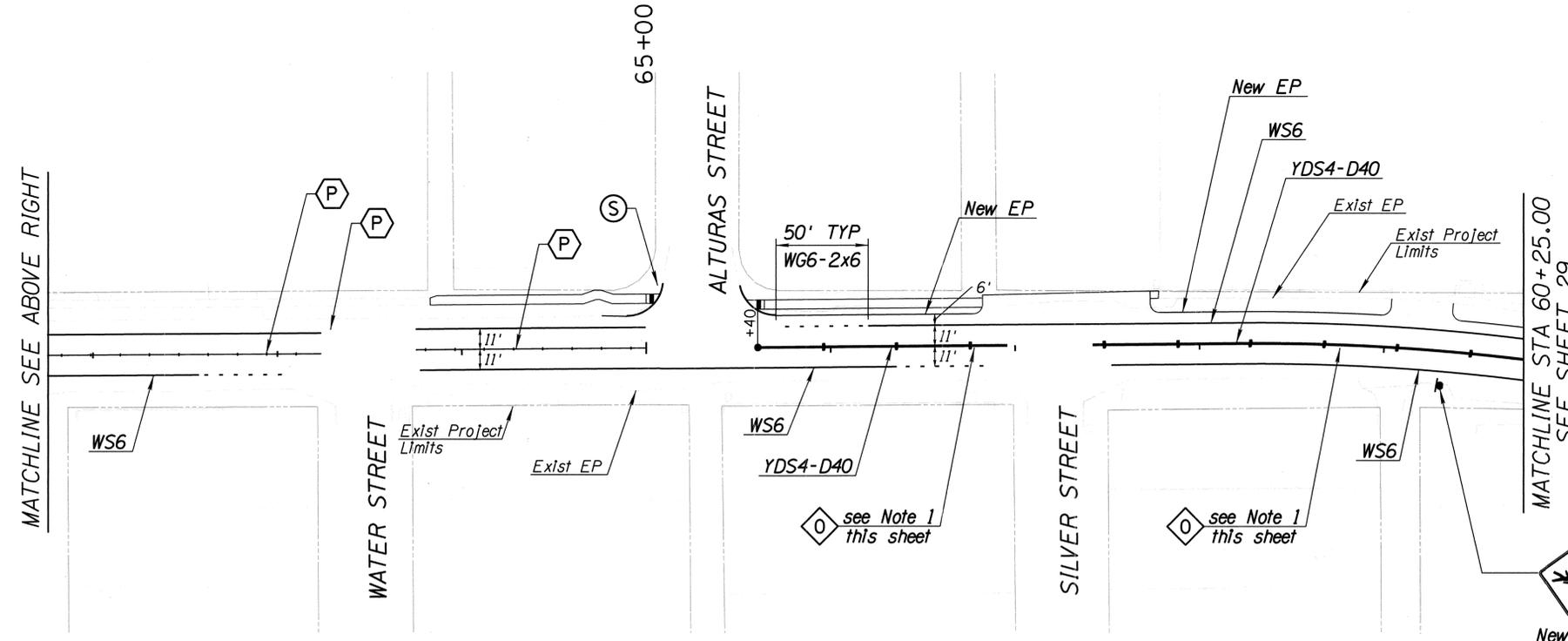


LEGEND

-  Obliterate Existing Stripe
-  Existing Stripe to be Protected in Place and Refreshed
-  Existing Sign to be Protected in Place



MATCHLINE SEE ABOVE RIGHT



Notes:
 1) Obliterate existing Center Line stripe and paint new Center Line stripe along Park Ave Cst &

CONSTRUCTION NOTES:
 A) The existing Edge Lines are to be obliterated for the length of the project unless otherwise noted.
 B) New Edge Line pavement marking located 11-ft from existing center stripe, unless otherwise noted. Width of Bike Lane varies based on existing conditions, min width 5'.



K Kittelson & Associates, Inc. 2 E. Congress St., Suite 705 Tucson, AZ 85701 (520) 544-4067					
NO.	DATE	REVISION	BY	CHKD.	APPR.



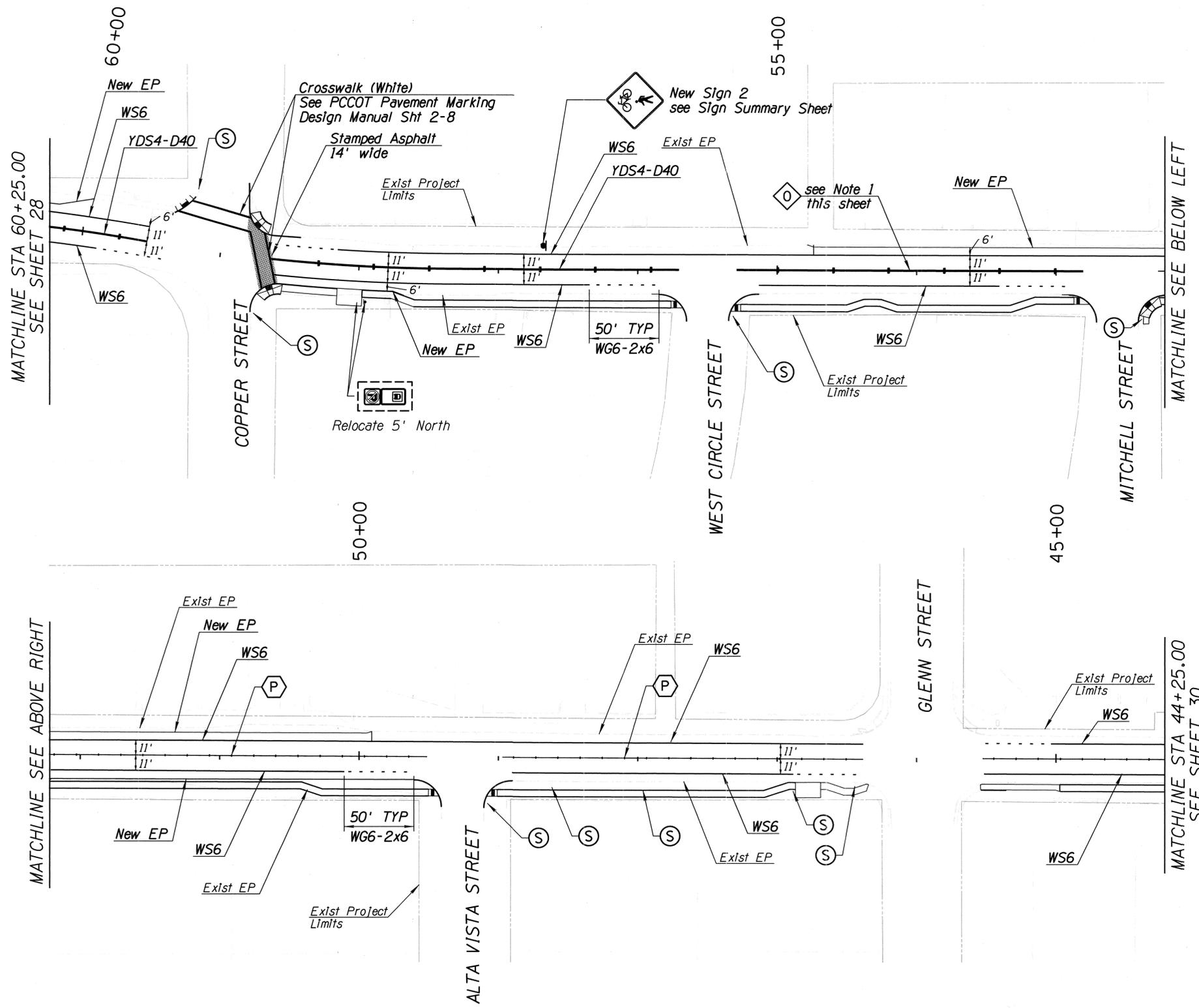
SIGNING AND STRIPING PLAN

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

PARK AVENUE ENHANCEMENT
SPEEDWAY BOULEVARD TO FORT LOWELL ROAD

DRWN. BY	ABB	12/14	REF.	SCALE: 1" = 40'
DSGN. BY	ABB	12/14		
CHKD. BY	JAS	12/14	PLAN NO.	U-2014-001

28
OF
35



- LEGEND**
-  Obliterate Existing Stripe
 -  Existing Stripe to be Protected In Place and Refreshed
 -  Existing Sign to be Protected In Place

CONSTRUCTION NOTES:

A) The existing Edge Lines are to be obliterated for the length of the project unless otherwise noted.

B) New Edge Line pavement marking located 11-ft from existing center stripe, unless otherwise noted. Width of Bike Lane varies based on existing conditions, min width 5'.



Notes:

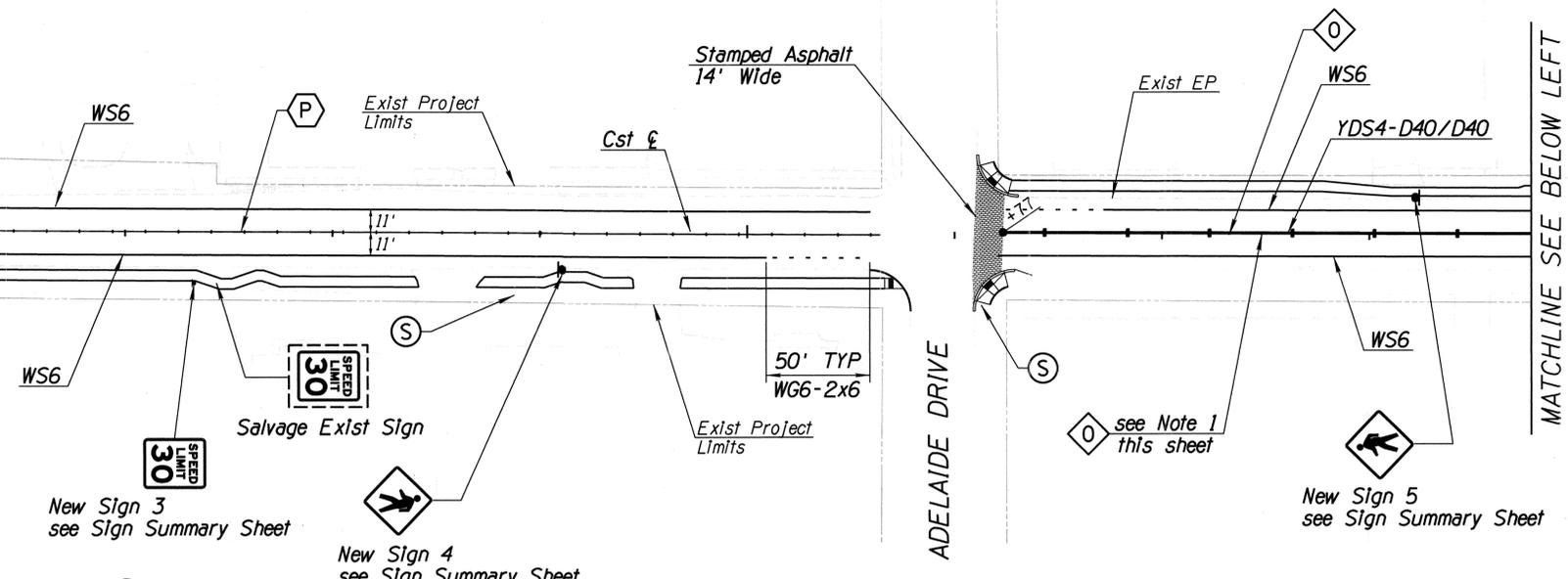
1) Obliterate existing Center Line stripe and paint new Center Line stripe along Park Ave Cst &

 Kittelson & Associates, Inc. 2 E. Congress St., Suite 705 Tucson, AZ 85701 (520) 544-4087					
NO.	DATE	REVISION	BY	CHKD.	APPR.



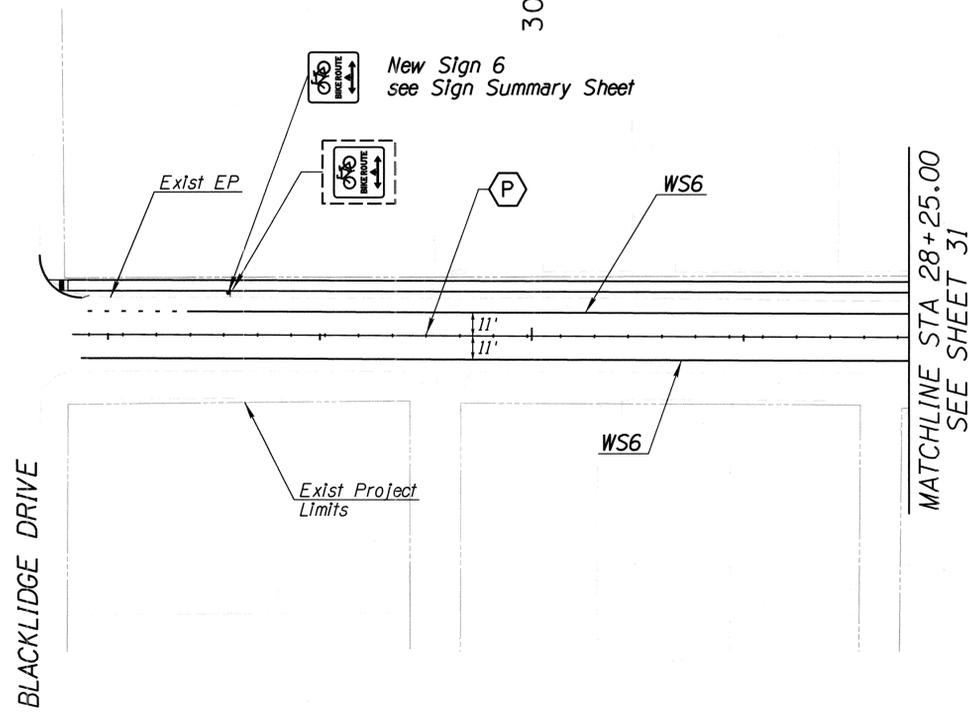
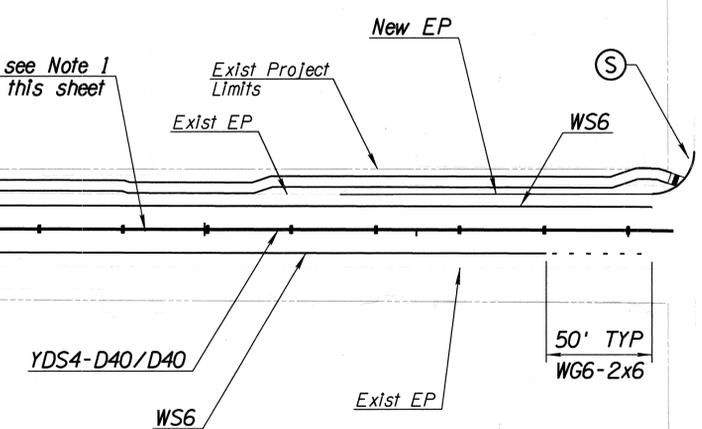
SIGNING AND STRIPING PLAN	
DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION	
PARK AVENUE ENHANCEMENT SPEEDWAY BOULEVARD TO FORT LOWELL ROAD	
 CITY OF TUCSON	DRWN. BY: ABB 12/14 DSGN. BY: ABB 12/14 CHKD. BY: JAS 12/14
REF. _____	SCALE: 1" = 40'
PLAN NO. U-2014-001	29 OF 35

MATCHLINE STA 44+25.00
SEE SHEET 29



- LEGEND**
-  Obliterate Existing Stripe
 -  Existing Stripe to be Protected in Place and Refreshed
 -  Existing Sign to be Protected in Place

MATCHLINE SEE ABOVE RIGHT



MATCHLINE STA 28+25.00
SEE SHEET 31

CONSTRUCTION NOTES:

A) The existing Edge Lines are to be obliterated for the length of the project unless otherwise noted.

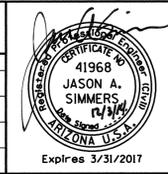
B) New Edge Line pavement marking located 11-ft from existing center stripe, unless otherwise noted. Width of Bike Lane varies based on existing conditions, min width 5'.



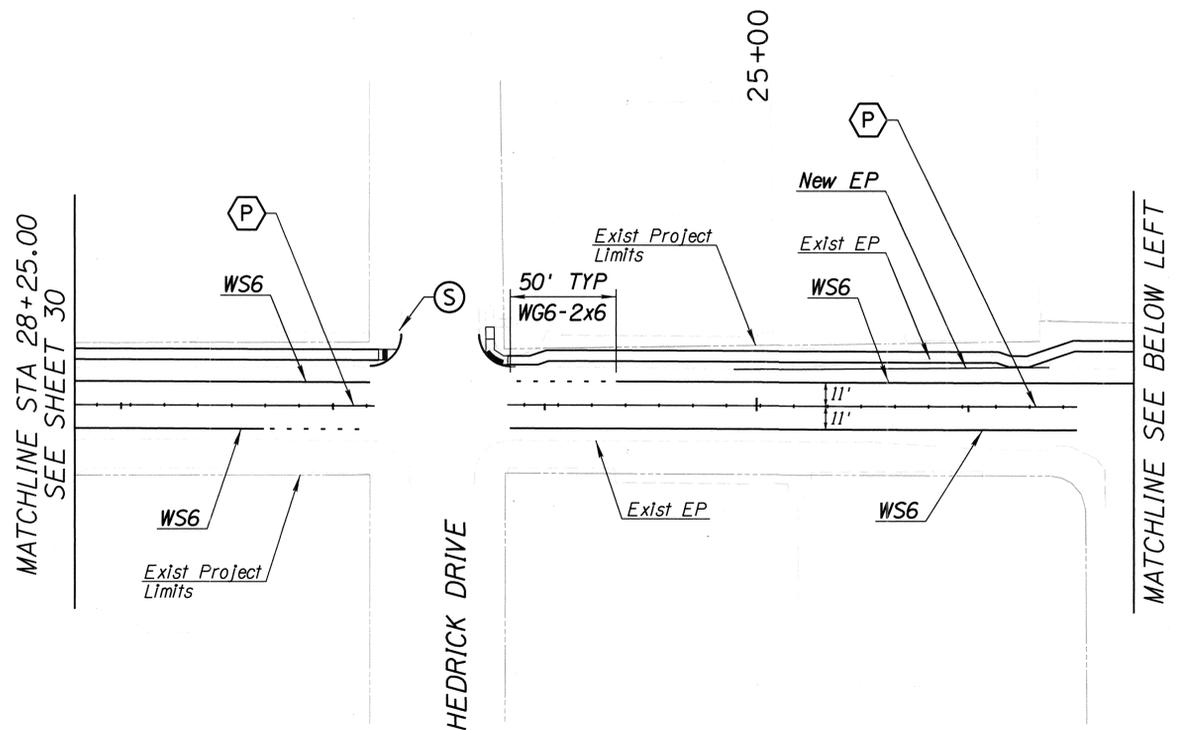
Notes:

1) Obliterate existing Center Line stripe and paint new Center Line stripe along Park Ave Cst &

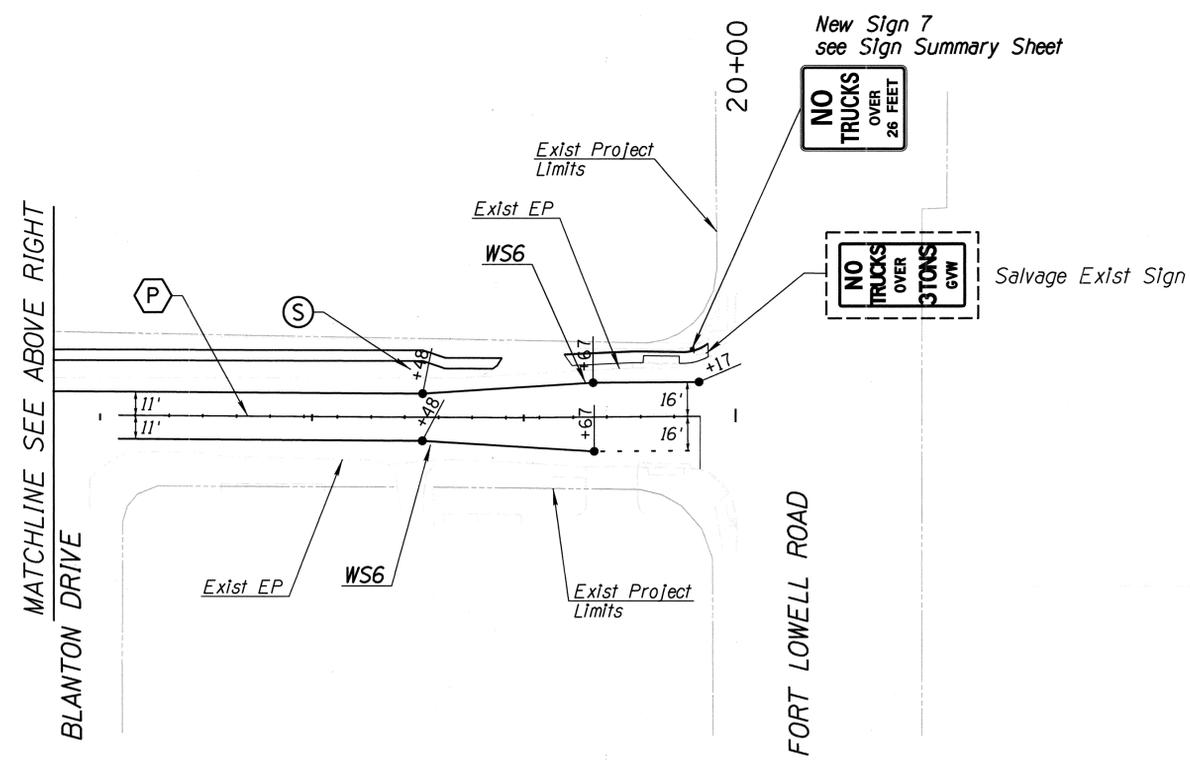
 Kittelson & Associates, Inc. 2 E. Congress St., Suite 705 Tucson, AZ 85701 (620) 544-4067					
NO.	DATE	REVISION	BY	CHKD.	APPR.



SIGNING AND STRIPING PLAN			
DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION			30
PARK AVENUE ENHANCEMENT SPEEDWAY BOULEVARD TO FORT LOWELL ROAD			OF 35
 CITY OF TUCSON	DRWN. BY	ABB	12/14
	DSGN. BY	ABB	12/14
	CHKD. BY	JAS	12/14
REF.	SCALE: 1" = 40'		PLAN NO. U-2014-001



- LEGEND**
-  Obliterate Existing Stripe
 -  Existing Stripe to be Protected in Place and Refreshed
 -  Existing Sign to be Protected in Place



- CONSTRUCTION NOTES:**
- A) The existing Edge Lines are to be obliterated for the length of the project unless otherwise noted.
 - B) New Edge Line pavement marking located 11-ft from existing center stripe, unless otherwise noted. Width of Bike Lane varies based on existing conditions, min width 5'.

Call at least two full working days before you begin excavation.

ARIZONA 811

Arizona One-Stop, Inc.

Dial 8-1-1 or 1-800-STAKE-IT (782-5348)



12/1/2014
 H:\profile\13316 - Park Ave Final Design\design\06 Stripe\pk-stripe_07.dgn

 Kittelson & Associates, Inc. 2 E. Congress St., Suite 705 Tucson, AZ 85701 (520) 544-4067					
NO.	DATE	REVISION	BY	CHKD.	APPR.

Professional Engineer Seal for Jason A. Simmers, P.E., No. 41968, State of Arizona. Expires 3/31/2017.

SIGNING AND STRIPING PLAN			
DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION			31
PARK AVENUE ENHANCEMENT			OF
SPEEDWAY BOULEVARD TO FORT LOWELL ROAD			35
 CITY OF TUCSON	DRWN. BY	ABB	12/14
	DSGN. BY	ABB	12/14
	CHKD. BY	JAS	12/14
REF. _____ SCALE: 1" = 40'			PLAN NO. U-2014-001

McGann & Associates Inc. Landscape Architects and Planners

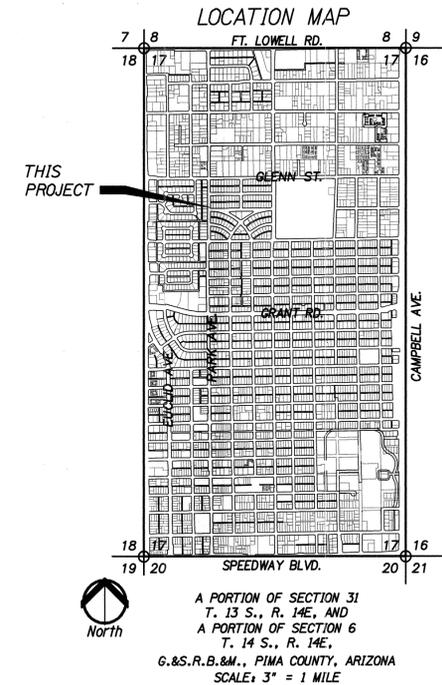
6814 North Oracle Road, Suite 210 Tucson, Arizona 85704
Telephone: (520) 297-9540 Fax: (520) 297-9545

Civil Engineers

KITTELSON & ASSOCIATES, INC.
2 EAST CONGRESS SUITE 705
TUCSON, AZ 85701
Telephone (520) 544-4067

CITY OF TUCSON DEPARTMENT OF TRANSPORTATION / ENGINEERING DIVISION

PARK AVENUE - SPEEDWAY BLVD. TO FT. LOWELL RD. PEDESTRIAN AND BICYCLE IMPROVEMENT PLANS NATIVE PLANT PRESERVATION PLAN



INDEX TO DRAWINGS

- N-1 COVER SHEET: SUMMARY TABLE, INVENTORY DATA AND GENERAL NOTES
 - N-2 NATIVE PLANT PRESERVATION PLAN: AREAS 4 AND 5
 - N-3 NATIVE PLANT PRESERVATION PLAN: AREAS 10 AND 11
- NOTE: AREAS THAT DO NOT INCLUDE NATIVE PLANTS ARE NOT SHOWN IN THE DRAWINGS
SEE AREA KEY MAP ON SHEET N-2

NATIVE PLANT PRESERVATION PLAN INVENTORY

FIELD TAG I.D. NUMBER	PLANT TYPE	BOTANICAL NAME	COMMON NAME	HEIGHT (FEET)	CALIPER (INCHES)	FORM	VIABILITY RATING	VIABILITY NOTE	TRANSPLANTABILITY RATING	TRANSPLANTABILITY NOTES	PROPOSED DISPOSITION
1	SUCCULENT	FOUQUIERIA SPLENDENS	OCOTILLO	8	N/A	MULTI	HIGH		HIGH		PIP
2	SHRUB	ACACIA GREGGII	CATCLAW ACACIA	6	N/A	MULTI	HIGH		LOW	INTERFERENCE	PIP
3	SUCCULENT	FOUQUIERIA SPLENDENS	OCOTILLO	10	N/A	MULTI	HIGH		HIGH		PIP
4	TREE	PROSOPIS VELUTINA	VELVET MESQUITE	12	6	MULTI	MEDIUM	ADVANCED AGE	LOW	INTERFERENCE	PIP
5	TREE	PROSOPIS VELUTINA	VELVET MESQUITE	12	6	MULTI	MEDIUM	ADVANCED AGE	LOW	INTERFERENCE	PIP
6	TREE	PROSOPIS VELUTINA	VELVET MESQUITE	15	14	MULTI	MEDIUM	ADVANCED AGE	LOW	SIZE NOT SUITABLE	PIP
7	TREE	PROSOPIS VELUTINA	VELVET MESQUITE	12	12	MULTI	MEDIUM	ADVANCED AGE	LOW	INTERFERENCE	PIP

NATIVE PLANT PRESERVATION PLAN MITIGATION SUMMARY TABLE

SPECIES	INVENTORIED QUANTITY OF VIABLE PLANTS (PLANTS RATED MEDIUM AND HIGH VIABILITY)	QUANTITY TO BE PRESERVED-IN-PLACE (PIP)	QUANTITY TO BE TRANSPLANTED ON-SITE (TOS)	QUANTITY OF TO BE REMOVED FROM SITE (RFS)	PERCENTAGE OF VIABLE TO BE PIP AND / OR TOS	MITIGATION REQUIREMENT FOR TOS AND RFS	PRESERVATION CREDIT	NET MITIGATION REQUIREMENT	MINIMUM PLANTS ON SITE AFTER COMPLETION PIP, TOS & MITIGATION
TREES									
Prosopis velutina Velvet Mesquite	4	4	0	0	100%	0	0	0	4
SHRUBS									
Acacia greggii Cat-claw Acacia	1	1	0	0	100%	0	0	0	1
CACTI / SUCCULENTS									
Fouquieria splendens Ocotillo	2	2	0	0	100%	0	0	0	2
TOTAL	7	7	0	0	100%	0	0	0	7

GENERAL NOTES

- THIS NATIVE PLANT PRESERVATION PLAN WAS PREPARED BY MCGANN & ASSOCIATES. THE NATIVE PLANT INVENTORY WAS COMPLETED BY SWCA ENVIRONMENTAL CONSULTANTS IN DECEMBER 2012 AND SUPPLEMENTED BY MCGANN & ASSOCIATES IN NOVEMBER 2013.
- THE TOTAL SITE AREA IS APPROXIMATELY 14 ACRES.
- THE SALVAGE AND MITIGATION STANDARDS USED FOR THIS PROJECT WERE BASED ON THE CITY OF TUCSON LAND USE CODE, SECTION 3.8.6. THE COMPLETE NATIVE PLANT INVENTORY TABLE MITIGATION SUMMARY TABLE ARE PROVIDED ON SHEETS N-9 THRU N-12.
- THERE WILL BE NO TEMPORARY NURSERY ESTABLISHED FOR THIS PROJECT.
- THE NOTES PROVIDED BELOW ARE THE REQUIRED NOTES FOR THE CITY OF TUCSON NATIVE PLANT PRESERVATION & SALVAGE NOTES:

- NATURAL AREAS OUTSIDE THE LIMITS OF GRADING THAT ARE TO BE PRESERVED SHALL BE PROTECTED FROM INTRUSION OR DAMAGE BY TEMPORARY FENCING. FENCING STANDARDS, INCLUDING SETBACKS FROM INDIVIDUAL PLANTS, SHALL COMPLY WITH D.S. 2-15.6.0. TEMPORARY FENCING SHALL BE INSTALLED PER THE DETAIL SHOWN IN D.S. 2-06.8.0 FIGURE 13 - SITE PRESERVATION FENCE DETAIL.
- EXISTING PROTECTED NATIVE PLANTS HAVE BEEN IDENTIFIED AND LOCATED DURING AN INVENTORY CONDUCTED IN NOVEMBER 2013. THE LOCATION OF THE SPECIES FOUND ARE INDICATED ON THE PLAN BY THE SYMBOLS SHOWN IN THE NATIVE PLANT LEGEND. AN IDENTIFICATION NUMBER IS INCLUDED WITH EACH SYMBOL THAT CROSS REFERENCES THE PLANT TO THE INVENTORY LIST INCLUDED WITH THIS PLAN. THE INVENTORY LIST SUMMARIZES THE VIABILITY, TRANSPLANTABILITY, AND PROPOSED STATUS OR DISPOSITION OF THE PLANTS INVENTORIED.

- IN ADDITION TO FIELD LOCATION AND CATEGORIZATION, EACH PLANT WAS FLAGGED AND TAGGED PER D.S. 2-15.5.0. FLAGS WERE COLOR CODED. ALL PLANTS WERE ALSO TAGGED WITH EMBOSSED METAL TAGS MARKED WITH THE IDENTIFICATION NUMBER PROVIDED ON THE INVENTORY LISTS AND SHOWN ON THE PLAN. COLOR CODING WAS IMPLEMENTED AS FOLLOWS:

BLUE - TRANSPLANT ON-SITE
YELLOW - REMOVE FROM SITE
WHITE - PRESERVE-IN-PLACE

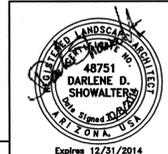
- PLANT PROTECTION DURING CONSTRUCTION SHALL COMPLY WITH REQUIREMENTS PER L.U.C. 3.8.6.6 INCLUDING MONITORING AND REPORTING OF SITE CONSTRUCTION ACTIVITIES RELATED TO CLEARING, GRADING, PLANT PROTECTION, PRESERVATION, SALVAGE, AND MITIGATION.
- SEE THE LANDSCAPE PLAN FOR THIS PROJECT FOR INFORMATION RELATED TO THE PROPOSED USE AND LOCATION OF SALVAGED PLANT MATERIALS.
- NPPO PRE-PERMIT INSPECTION REQUIRED PRIOR TO GRADING INSPECTION, CAN BE COORDINATED BY THE PROJECT ENGINEER.
- SALVAGE AND TRANSPLANTING WORK SHALL BE AS OUTLINED IN THE SPECIFICATIONS FOR THIS PROJECT AND SHALL COMPLY WITH NORMAL STANDARDS AND PRACTICES AND D.S. 2-15.4.0.
- FENCING SHALL BE REQUIRED DURING CONSTRUCTION PER DS 2-6.8.0 FIG. 1 FOR INDIVIDUAL PROTECTED NATIVE PLANTS TO BE PRESERVED-IN-PLACE. THE AREA TO BE FENCED SHALL BE BEYOND THE "DRIP-LINE" OF THE VEGETATION BY ONE-HALF (1/2) THE DISTANCE OF THE "DRIP-LINE" RADIUS. FOR SAGUAROS AND CACTI, THE AREA TO BE FENCED SHALL BE EQUAL TO THE DISTANCE OF ONE-HALF (1/2) THE HEIGHT OF THE PLANT PER DS 2-15.6.0.

N1 NATIVE PLANT PRESERVATION PLAN

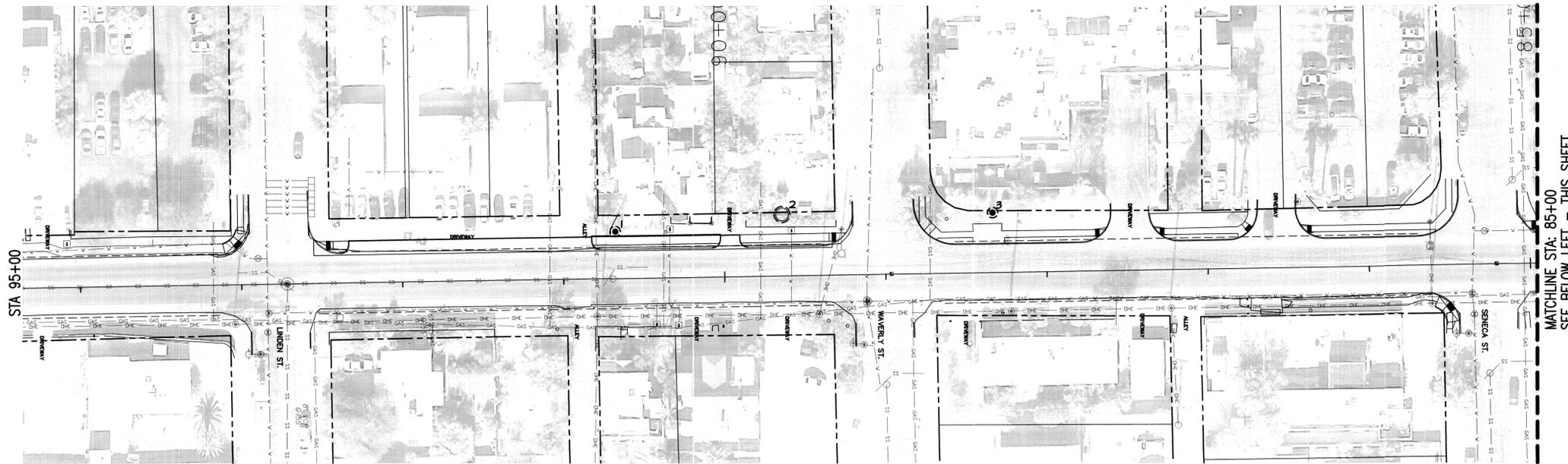
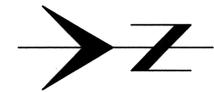
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PARK AVENUE SPEEDWAY BLVD. TO FORT LOWELL RD.		N1 OF N3 35	
DRWN. BY	PB/DS	10/14	REF. SCALE: N.T.S.
DSGN. BY	DS	10/14	
CHKD. BY	SM	10/14	PLAN NO. U-2014-001



McGann & Associates
Landscape Architects and Planners



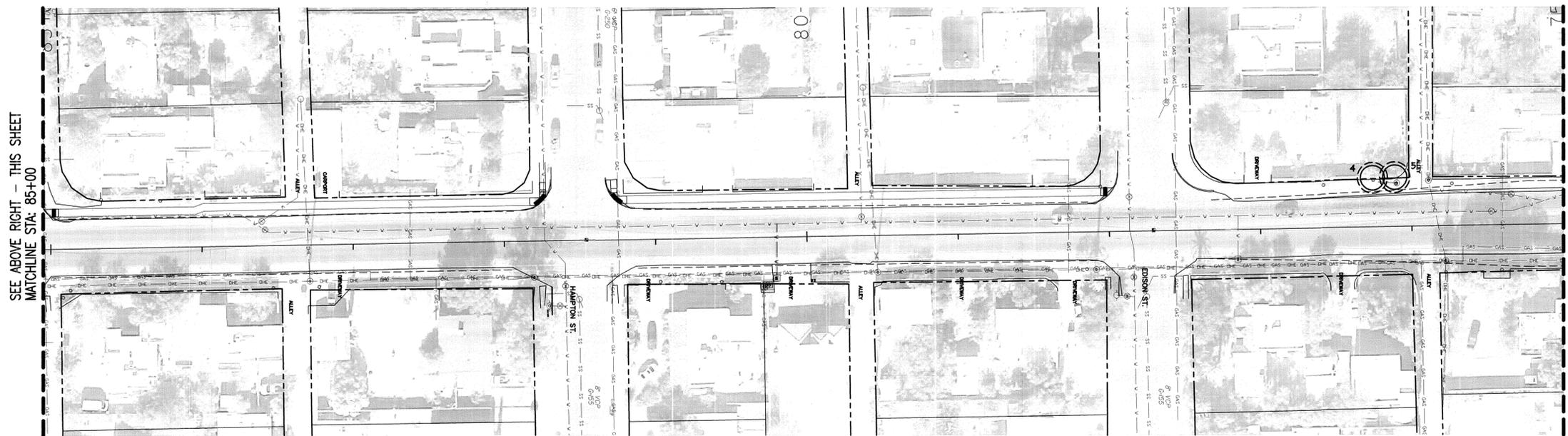
NO.	DATE	REVISION	BY	CHKD.	APPR.



MATCHLINE STA: 85+00
SEE BELOW LEFT - THIS SHEET

NATIVE PLANT PRESERVATION PLAN - AREA 4 - STA: 95+00 TO STA: 85+00

SCALE: 1" = 40'-0"



SEE ABOVE RIGHT - THIS SHEET
MATCHLINE STA: 85+00

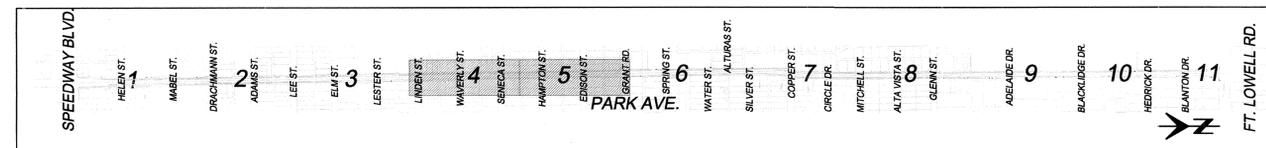
STA: 75+00

NATIVE PLANT PRESERVATION PLAN - AREA 5 - STA: 85+00 TO STA: 75+00

SCALE: 1" = 40'-0"

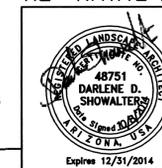


SYMBOL LEGEND AND KEY			
PLANT	PRESERVE IN PLACE	TRANSPLANT ON-SITE	REMOVE FROM SITE
TREE			
SHRUB			
CACTUS			



AREA KEY MAP
SCALE: N.T.S.

N2 NATIVE PLANT PRESERVATION PLAN - AREAS 4 & 5



DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

PARK AVENUE
SPEEDWAY BLVD. TO FORT LOWELL RD.

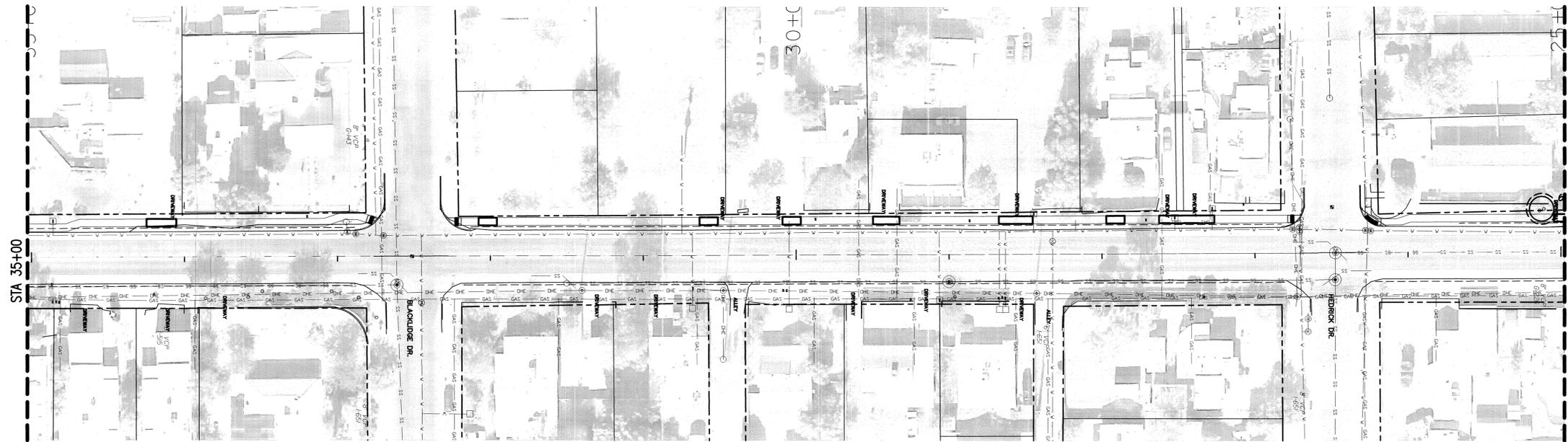
33
OF
N3 35

DRWN. BY	PB/DS	10/14	REF.	SCALE: N.T.S.
DSGN. BY	DS	10/14		
CHKD. BY	SM	10/14	PLAN NO.	U-2014-001

Arizona 811
Call 811 before you dig

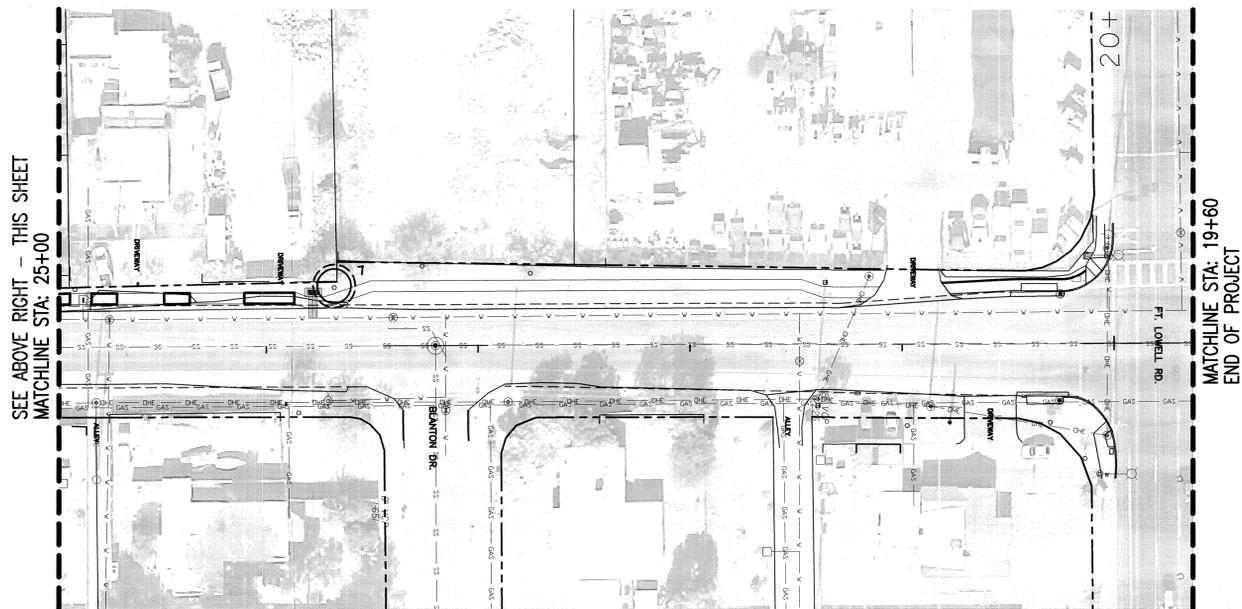
McGann & Associates
Landscape Architects and Planners

NO. DATE REVISION BY CHKD. APPR.



NATIVE PLANT PRESERVATION PLAN – AREA 10 – STA: 35+00 TO STA: 25+00

SCALE: 1" = 40'-0"



NATIVE PLANT PRESERVATION PLAN – AREA 11 – STA: 25+00 TO END OF PROJECT

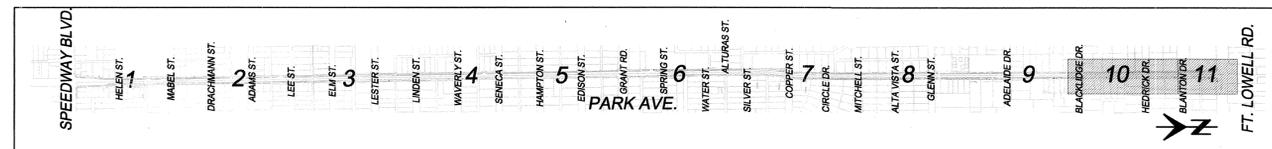
SCALE: 1" = 40'-0"



SYMBOL LEGEND AND KEY			
PLANT	PRESERVE IN PLACE	TRANSPLANT ON-SITE	REMOVE FROM SITE
TREE			
SHRUB			
CACTUS			

SEE ABOVE RIGHT – THIS SHEET
MATCHLINE STA: 25+00

MATCHLINE STA: 19+60
END OF PROJECT

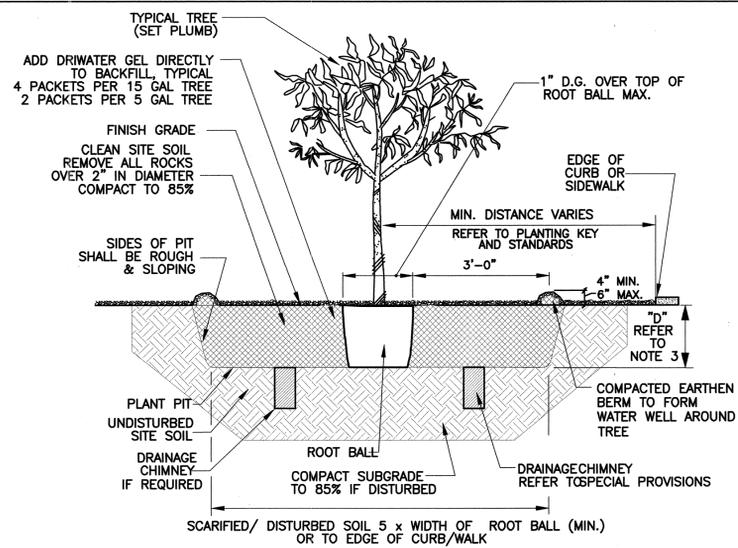


AREA KEY MAP
SCALE: N.T.S.

N3 NATIVE PLANT PRESERVATION PLAN – AREAS 10 & 11

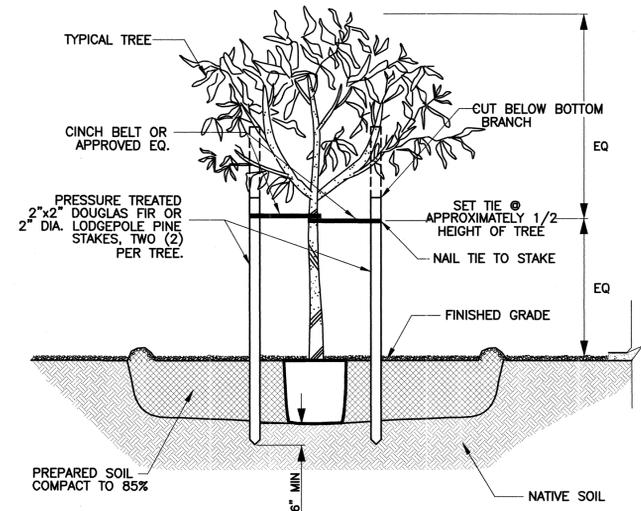
	DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION		34
	PARK AVENUE SPEEDWAY BLVD. TO FORT LOWELL RD.		OF N3 35
	DRWN. BY	PB/DS	10/14
	DSGN. BY	DS	10/14
	CHKD. BY	SM	10/14
	REF.		SCALE: N.T.S.
			PLAN NO. U-2014-001

One of the best ways to find out what's underground is to call 811. It's free and it's fast. Call 811 to get the information you need to know what's underground before you dig.	Landscape Architects and Planners 48751 DARLENE D. SHOWALTERS STATE OF ARIZONA Expires 12/31/2014												
<table border="1"> <tr> <th>NO.</th> <th>DATE</th> <th>REVISION</th> <th>BY</th> <th>CHKD.</th> <th>APPR.</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	NO.	DATE	REVISION	BY	CHKD.	APPR.							
NO.	DATE	REVISION	BY	CHKD.	APPR.								



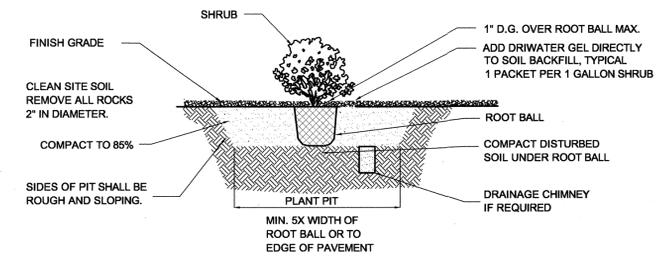
- NOTES:
1. NO PLANTS SHALL BE PRUNED EXCEPT @ THE DIRECTION OF THE COT REPRESENTATIVE
 2. STAKE TREE ONLY IF NEEDED, PER DIRECTION OF COT REPRESENTATIVE (SEE TREE STAKING DETAIL).
 3. DEPTH ("D") OF PLANT PIT TO BE EQUAL TO DEPTH OF ROOT BALL.
 4. ROOT PRUNE PRIOR TO PLANTING.

1 TREE PLANTING DETAIL
N.T.S.

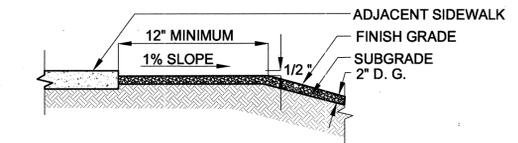


- NOTES:
1. NO PLANTS SHALL BE PRUNED EXCEPT @ THE DIRECTION OF THE COT REPRESENTATIVE
 2. STAKE TREE ONLY IF NEEDED, PER DIRECTION OF COT REPRESENTATIVE
 3. SET STAKES PARALLEL TO SIDEWALK AND STREET

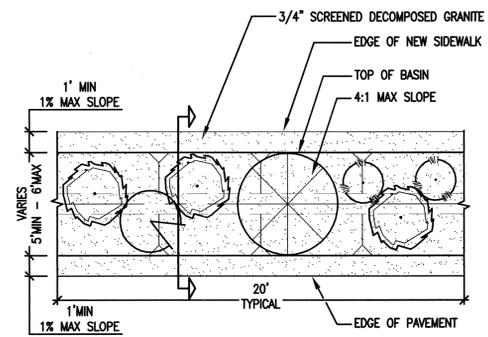
2 TREE STAKING DETAIL
N.T.S.



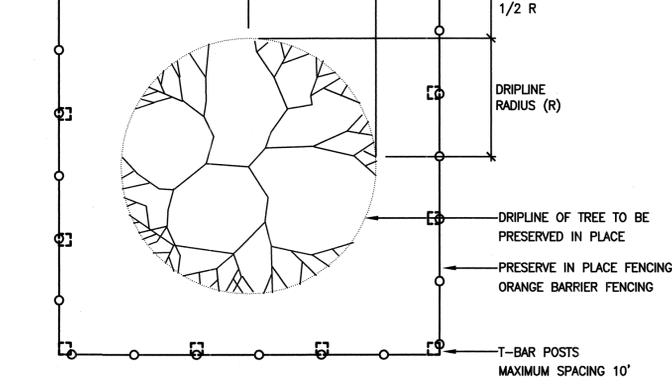
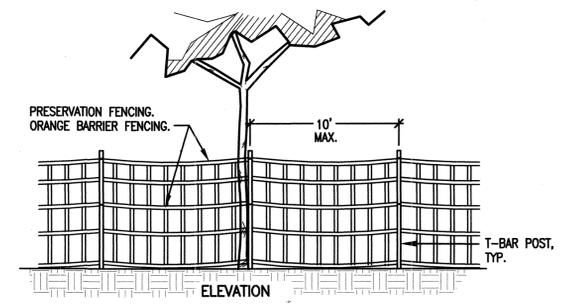
3 SHRUB PLANTING: 1 & 5 GALLON PLANTS
N.T.S.



4 TYPICAL SIDEWALK FIN. GRADE WITH DECOMPOSED GRANITE
N.T.S.



5 TYPICAL PLAN - LANDSCAPE AREAS
SCALE: N.T.S.



7 PRESERVE IN PLACE FENCING - SINGLE SPECIMEN
SCALE: N.T.S.

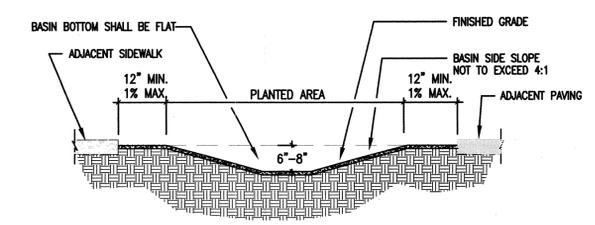
LANDSCAPE SCHEDULE						
SYMBOL	SIZE	BOTANICAL NAME	COMMON NAME	QTY.	MIN. SPACING	NOTES
TREES						
	15 GAL	PARKINSONIA HYBRID 'DESERT MUSEUM'		41	16'	SEE DETAILS
	15 GAL	PROSOPIS PUBESCENS	SCREWBAN MESQUITE	13	16'	"
NOTE: TREES PLANTED WITHIN FIFTEEN (15) FEET OF OVERHEAD ELECTRIC POWER LINES SHALL BE PROSOPIS PUBESCENS (SCREWBAN MESQUITE). IF THE PLANS ARE NOT CONSISTENT WITH THIS IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE THE SUBSTITUTION.						
SHRUBS						
	1 GAL	AMBROSIA DELTOIDEA	TRIANGLE-LEAF BURSAGE	120	2'	SEE DETAILS
	1 GAL	CALANDRA ERIOPHYLLA	FAIRY DUSTER	60	3'	"
	1 GAL	DASYLIRON WHEELERI	DESERT SPOON	60	2'	"
	1 GAL	HESPERALOE PARVIFLORA	RED YUCCA	180	3'	"

LANDSCAPE BORROW BID ITEMS			
ITEM DESCRIPTION	SIZE	UNIT	QTY.
DECOMPOSED GRANITE	3/4" SCREENED	SQ.YD.	695

NOTE: ALL DISTURBED AREA THAT DOES NOT RECEIVE DECOMPOSED GRANITE SURFACING SHALL BE CLEARED OF CONSTRUCTION DEBRIS AND ROCKS GREATER THAN 2" DIA. AND RAKED SMOOTH

HAND WATERING SCHEDULE	
ALL PLANTS SHALL BE HAND WATERED THROUGH THE ESTABLISHMENT PERIOD USING THE FOLLOWING SCHEDULE	
AT PLANTING	WATER IMMEDIATELY
WEEK ONE	WATER DAILY
WEEK TWO	WATER EVERY OTHER DAY
WEEK THREE THRU WEEK SIX (ONE MONTH)	WATER 3 TIMES PER WEEK (MONDAY, WEDNESDAY, FRIDAY)
WEEK SEVEN THRU BEGINNING OF FIRST MONSOON RAINS	WATER 2 TIMES PER WEEK
BEGINNING OF FIRST MONSOON RAINS THRU DECEMBER 15TH	WATER WEEKLY
DECEMBER 15TH THRU MARCH 1	WATER ONCE EVERY 2 WEEKS
MARCH 1 THRU BEGIN SECOND MONSOON RAINS	WATER WEEKLY
THRU BEGINNING SECOND MONSOON RAINS THRU ESTABLISHMENT PERIOD	WATER ONCE EVERY 2 WEEKS

NOTE: ENOUGH WATER SHALL BE APPLIED AT EACH APPLICATION TO WET THE SOIL TO A DEPTH OF 12" IN AN AREA 1-1/2 TIMES THE WIDTH OF THE PLANT CANOPY



6 TYPICAL SECTION - LANDSCAPE AREAS
SCALE: N.T.S.

L1 LANDSCAPE PLAN

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION		35
PARK AVENUE SPEEDWAY BLVD. TO FORT LOWELL RD.		L1 OF 35
DRWN. BY	PB/DS	10/14
DSGN. BY	DS	10/14
CHKD. BY	SM	10/14
REF.	SCALE:	N.T.S.
PLAN NO. U-2014-001		

McGann & Associates
Landscape Architects and Planners
48751 DARLENE D. SHOWALTERS
ARIZONA LANDSCAPE ARCHITECTS
Expire 12/31/2014

NO.	DATE	REVISION	BY	CHKD.	APPR.