

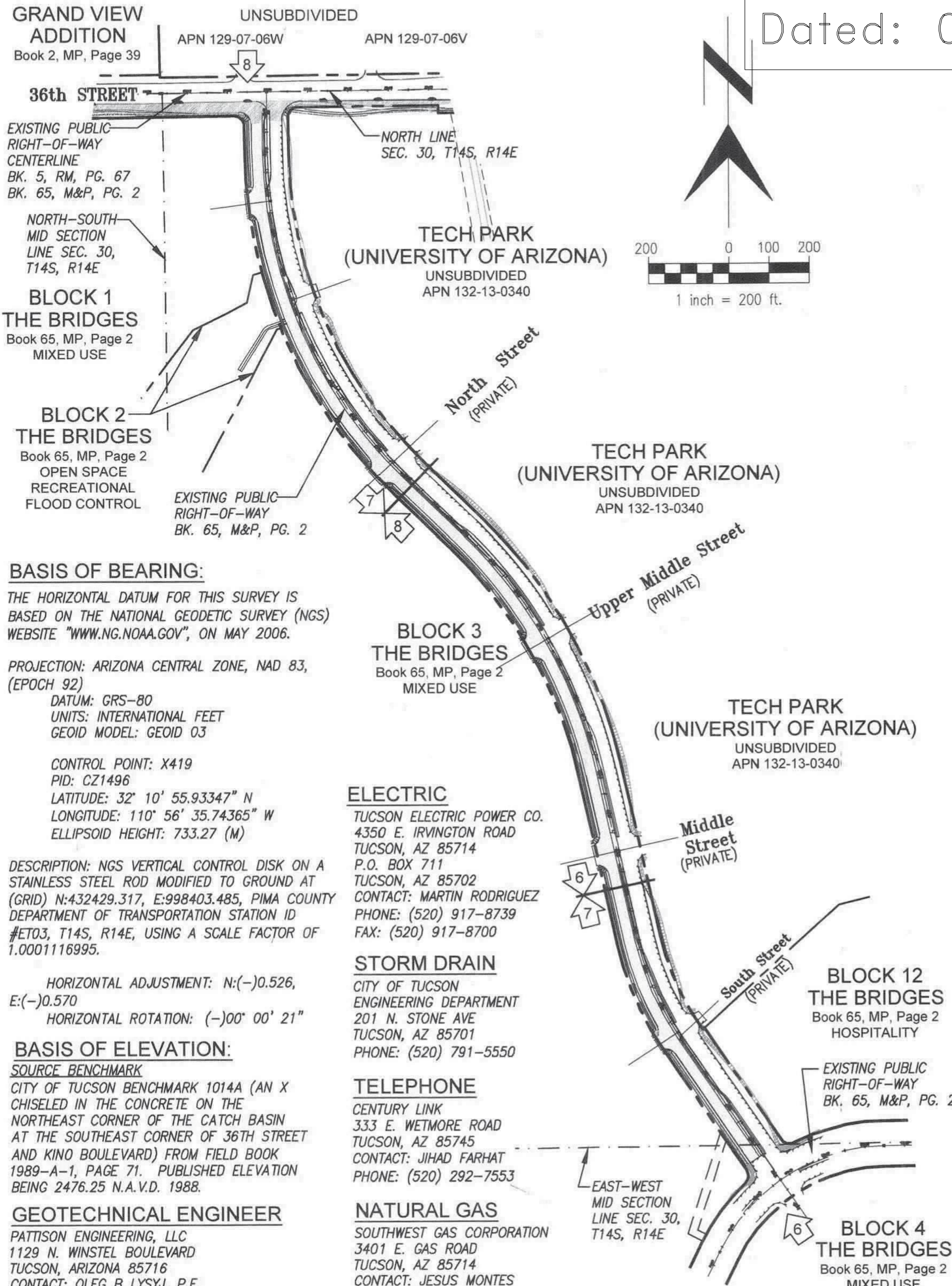
GENERAL PAVING NOTES:

- 1. ALL CONSTRUCTION & TEST METHODS SHALL BE IN CONFORMANCE WITH PIMA ASSOCIATION OF GOVERNMENT (PAG) 2015 STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS (SSPI) AND STANDARD DETAILS (SD).

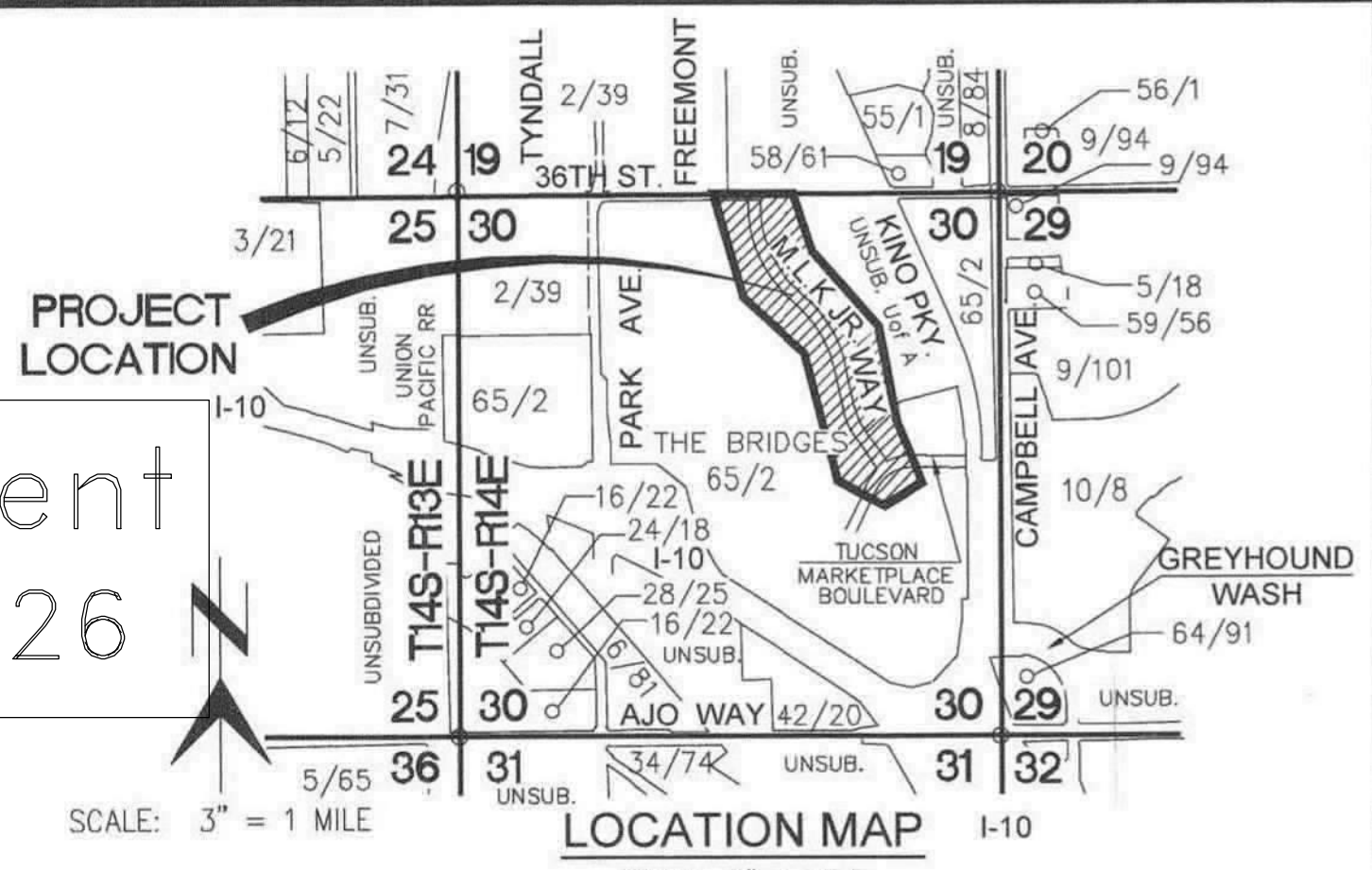
GENERAL PAVING NOTES: (CONTINUED)

- 17. CONTRACTOR SHALL OBTAIN ALL OTHER PERMITS AS REQUIRED BY LOCAL, STATE AND FEDERAL REQUIREMENTS.

PUBLIC ROADWAY PLANS FOR M.L.KING JR. WAY NEW PUBLIC STREET PIA TUCSON, ARIZONA



Record Document Dated: 02/03/2026



LEGEND

LEGEND SHEET INDEX REFERENCE, ABBREVIATION LIST, and SHEET INDEX. Includes symbols for survey monuments, easement lines, and various abbreviations like BCR, DG, EP, etc.

BASIS OF BEARING:

THE HORIZONTAL DATUM FOR THIS SURVEY IS BASED ON THE NATIONAL GEODETIC SURVEY (NGS) WEBSITE "WWW.NGS.NOAA.GOV", ON MAY 2006.

BASIS OF ELEVATION:

SOURCE BENCHMARK CITY OF TUCSON BENCHMARK 1014A (AN X CHISELED IN THE CONCRETE ON THE NORTHEAST CORNER OF THE CATCH BASIN AT THE SOUTHEAST CORNER OF 36TH STREET AND KING BOULEVARD) FROM FIELD BOOK 1989-A-1, PAGE 71. PUBLISHED ELEVATION BEING 2476.25 N.A.V.D. 1988.

GEOTECHNICAL ENGINEER

PATTISON ENGINEERING, LLC 1129 N. WINSTEL BOULEVARD TUCSON, ARIZONA 85716 CONTACT: OLEG B LYSYI, P.E. TEL (520) 881-1234

CIVIL ENGINEER

MARUM AND ASSOCIATES ENGINEERING, LLC 2730 E. BROADWAY BLVD., SUITE 250 TUCSON, ARIZONA 85716 CONTACT: PAT MARUM, P.E. PRESIDENT TEL (520) 448-4440 CELL (520) 307-1832

DEVELOPER

BOURN COMPANIES ATTN: MATT DICKEY 20 E. CONGRESS STREET, SUITE 300 TUCSON, AZ & 85701 TEL (520) 621-4930 mdickie@ourncompanies.com

ELECTRIC

TUCSON ELECTRIC POWER CO. 4350 E. IRVINGTON ROAD TUCSON, AZ 85714 P.O. BOX 711 TUCSON, AZ 85702 CONTACT: MARTIN RODRIGUEZ PHONE: (520) 917-8739 FAX: (520) 917-8700

STORM DRAIN

CITY OF TUCSON ENGINEERING DEPARTMENT 201 N. STONE AVE TUCSON, AZ 85701 PHONE: (520) 791-5550

TELEPHONE

CENTURY LINK 333 E. WETMORE ROAD TUCSON, AZ 85745 CONTACT: JIHAD FARHAT PHONE: (520) 292-7553

NATURAL GAS

SOUTHWEST GAS CORPORATION 3401 E. GAS ROAD TUCSON, AZ 85714 CONTACT: JESUS MONTES PHONE: (520) 794-6430 FAX: (520) 794-6506

ADMINISTRATIVE ADDRESS

1550 E. 36TH STREET TUCSON, AZ 85713

OWNER

TUCSON DEPARTMENT OF TRANSPORTATION 201 N. STONE AVE, 4TH FLOOR TUCSON, AZ 85701 CONTACT: FRED FELIX, P.E. TEL (520) 791-5100

EARTHWORK QUANTITIES:

TO SUB-GRADE Cut: 1,224 C.Y. TO SUB-GRADE Fill: 2,245 C.Y. Net: 1,022 C.Y. (FILL) (NUMBERS ARE UNADJUSTED)

CONTRACTOR TO VERIFY QUANTITIES (REFER TO NOTE #37)

Table with columns: NO., DATE, REVISION, BY. Includes revisions for landscape changes and record document.

Constructed by:

Borderland Construction Construction Company 01/30/2020 Completion Date

Red-Lines by:

No Redlines Construction Administrator Name & Company

Record Document by:

Michael Fondren RLF Consulting As-Built Designer Name & Company 02/03/2026 Completion Date



DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

Approval table with columns: Approvals, Signature, Date. Includes signatures for Design Section/Permits and Codes, Traffic Engineering, etc.

**BLOCK 2
THE BRIDGES
(P.A.D. SUB-AREA C-I)**
BOOK 65, PAGE 2

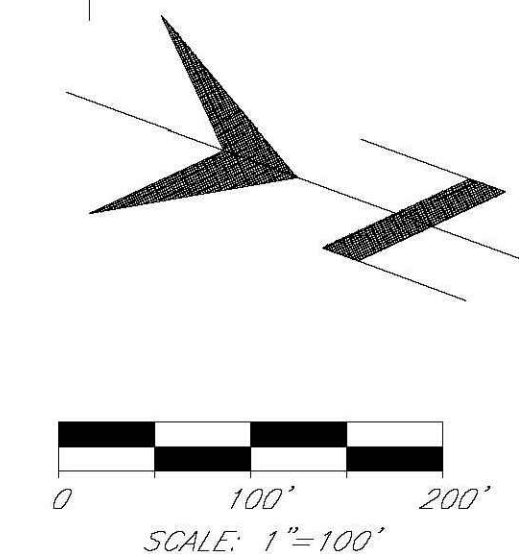
**BLOCK 2
THE BRIDGES
(P.A.D. SUB-AREA C-I)**
BOOK 65, PAGE 2

**BLOCK 1
THE BRIDGES
(P.A.D. SUB-AREA B-I)**
BOOK 65, PAGE 2

**BLOCK 3
THE BRIDGES
(P.A.D. SUB-AREA B-II)**
BOOK 65, PAGE 2

**BLOCK 12
THE BRIDGES
(P.A.D. SUB-AREA E)**
BOOK 65, PAGE 2

**UNIVERSITY OF
ARIZONA TECH PARK**



GENERAL NOTES (CONTINUED)

31. PRIOR TO GRADING, ALL ORGANIC MATTER SHALL BE REMOVED WITHIN THE CLEARING LIMITS FOR NECESSARY GRADING TO A DEPTH OF SIX (6) INCHES AND HAULED FROM THE SITE.
32. THE CONTRACTOR SHALL GIVE FORTY-EIGHT (48) HOURS NOTICE WHEN HE SHALL REQUIRE THE SERVICES OF THE ENGINEER, SURVEYOR, OR ANY OTHER PERSON PROPERLY AUTHORIZED FOR SUCH PURPOSE FOR LAYING OUT ANY PORTION OF THE WORK. HE SHALL ALSO DIG ALL STAKE HOLES NECESSARY TO GIVE LINE AND LEVELS AND SHALL PROVIDE ASSISTANCE CALLED FOR BY THE ENGINEER OR HIS ASSISTANTS UPON ANY PART OF THE WORK WHENEVER SO REQUESTED.
33. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FURNISH, HAUL AND APPLY ALL WATER REQUIRED FOR COMPACTION AND FOR THE CONTROL OF DUST FROM CONSTRUCTION ACTIVITY. THIS ITEM SHALL BE INCLUDED ON THE CONTRACTORS BID.
34. IF CONSTRUCTION WATER IS NOT AVAILABLE IN THE AREA, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CONSTRUCTION WATER.
35. A QUALIFIED REGISTERED ENGINEER MUST CERTIFY THAT THIS PROJECT WAS CONSTRUCTED IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED PLANS PRIOR TO REQUEST FOR FINAL INSPECTION/CERTIFICATE OF OCCUPANCY OR THE RELEASE OF ASSURANCES.
36. IN THE EVENT OF ANY DISPUTE BETWEEN THESE PLANS AND THE STANDARD SPECIFICATION, THE STANDARD SPECIFICATION SHALL PREVAIL.
37. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CALCULATE HIS OWN EARTHWORK QUANTITIES AND SUBMIT HIS BID BASED THEREON.
38. THE CURRENT VERSION OF THE UNIVERSITY OF ARIZONA MANUAL OF DESIGN AND SPECIFICATION STANDARDS (DDS) IS TO BE UTILIZED AS A GUIDELINE FOR THE EXECUTION OF PROFESSIONAL SERVICES INCLUDING DESIGN, CONSTRUCTION, RENOVATION, AND MAINTENANCE OF THIS PROJECT. THE VERSION WHICH SHALL APPLY TO THIS PROJECT IS UPDATE No. 5 DATED JUNE 2008 AND IS AVAILABLE AT: <http://pcd.arizona.edu/workwithua/dss/>
39. 1/2" SCREENED ROCK AT A DEPTH OF 2" (COLOR: APACHE BROWN OR APPROVED EQUAL BY THE OWNER'S REPRESENTATIVE) SHALL BE THE TOP DRESSING FOR THE FUTURE LANDSCAPE AREAS BETWEEN THE BACK ON CURB AND THE SIDEWALK AND EAST OF THE SIDEWALK EXTENDING TO THE TOP OF SLOPE AT THE DRAINAGE BASINS. ALL REMAINING DISTURBED, GRUBBED, GRADED OR BLADED AREAS NOT OTHERWISE IMPROVED SHALL BE LANDSCAPED, RESEDED, OR TREATED WITH AN INORGANIC OR ORGANIC GROUNDCOVER AS APPROVED BY THE OWNER'S REPRESENTATIVE.
40. STOCKPILE ON THE UNIVERSITY OF ARIZONA BIOPARK, LOCATED EAST OF M. L. KING WAY, IS TO BE UTILIZED PRIOR TO OFFSITE IMPORT OF SOIL MATERIAL. SEE GRADING AND DRAINAGE PLAN FOR UNIVERSITY OF ARIZONA BIOPARK PHASE II PLANS FOR STOCKPILE LOCATION AND VOLUME.
41. CONTRACTOR IS TO ANTICIPATE HARD DIG CONDITIONS WHILE EXCAVATING IN ACCORDANCE TO THE APPROVED GEOTECHNICAL REPORT, BY PATTISON-EVANOFF, PROJECT NUMBER 11-024, REVISION No. 1 AND ADDENDUM No.1
42. IMMEDIATELY REPORT ANY RELEASE OF SEWAGE, AND/OR DAMAGE TO, OR DROPPING OF DEBRIS INTO THE PUBLIC SANITARY SEWAGE CONVEYANCE SYSTEM TO EITHER PCRWRD FIELD ENGINEERING (740-2651) OR PCRWRD CONVEYANCE (433-6500) ON WEEKENDS, HOLIDAYS OR BETWEEN 5:00 PM AND 8:00 AM, IMMEDIATELY CALL PIMA COUNTY SHERIFF COMMUNICATION CENTER AT 295-4595 OR 741-4900 AND REQUEST A PCRWRD REPRESENTATIVE TO BE DISPATCHED TO THE SITE. TAKE IMMEDIATE ACTION TO PREVENT OR 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 OR CONSTRUCTED STORM WATER DRAINAGE SYSTEM. THE CONTRACTOR SHALL REPAIR ALL DAMAGE AS DIRECTED AND APPROVED BY PCRWRD.

GENERAL NOTES (CONTINUED)

42. IMMEDIATELY REPORT ANY RELEASE OF SEWAGE, AND/OR DAMAGE TO, OR DROPPING OF DEBRIS INTO THE PUBLIC SANITARY SEWAGE CONVEYANCE SYSTEM TO EITHER PCRWRD FIELD ENGINEERING (740-2651) OR PCRWRD CONVEYANCE (433-6500) ON WEEKENDS, HOLIDAYS OR BETWEEN 5:00 PM AND 8:00 AM, IMMEDIATELY CALL PIMA COUNTY SHERIFF COMMUNICATION CENTER AT 295-4595 OR 741-4900 AND REQUEST A PCRWRD REPRESENTATIVE TO BE DISPATCHED TO THE SITE. TAKE IMMEDIATE ACTION TO PREVENT OR 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 OR CONSTRUCTED STORM WATER DRAINAGE SYSTEM. THE CONTRACTOR SHALL REPAIR ALL DAMAGE AS DIRECTED AND APPROVED BY PCRWRD.
43. SEWER CONSTRUCTION SHALL NOT COMMENCE UNTIL: (A) CONTRACTOR HAS OBTAINED A PUBLIC SEWER CONSTRUCTION PERMIT FROM PIMA COUNTY REGIONAL WASTEWATER RECLAMATION (740-6369). (B) A PRE-CONSTRUCTION MEETING WITH THE ASSIGNED PIMA COUNTY PROJECT INSPECTOR IS SCHEDULED; AT LEAST THREE (3) FULL WORKING DAYS PRIOR TO THE START OF SEWER CONSTRUCTION. FLOW MANAGEMENT PLANS SHALL BE SUBMITTED TO FIELD ENGINEERING, THIRTY DAYS (30) PRIOR TO THE PRE-CONSTRUCTION MEETING.
44. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ADJUST OR RECONSTRUCT ALL SANITARY SEWER MANHOLE STRUCTURES TO FINISHED GRADE. ALL RING AND COVER ADJUSTMENTS ARE TO BE IN ACCORDANCE WITH THE CITY OF TUCSON/PIMA COUNTY STANDARD DETAILS FOR PUBLIC IMPROVEMENTS WWM 304, WWM 305 OR WWM 306 (AS APPLICABLE) AND WWM 307. WHILE ADJUSTING THE MANHOLE TO FINISHED GRADE, IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT RINGS AND COVERS ARE CLEANED OF ANY AND ALL ATTACHED MATERIALS (ASPHALT, CONCRETE, ETC.) AND ENSURE THAT ANY VENT HOLES ARE OPEN AND CLEAR OF OBSTRUCTIONS. IF THE FRAMES AND COVERS ARE DAMAGED OR CANNOT BE COMPLETELY CLEANED, THEN A NEW FRAME AND COVER IS TO BE PUT INTO PLACE, AND COST ASSOCIATED WITH THESE ACTIONS ARE THE RESPONSIBILITY OF THE CONTRACTOR. REFER TO DETAILS WWM 213.0-213.3 FOR REQUIREMENTS FOR RINGS AND COVERS.
45. HYROSEED MIX SHALL BE INSTALLED PER PLAN IN ADDITION TO ALL AREAS DISTURBED BY CONSTRUCTION OPERATIONS. MIX SHALL BE PER THE FOLLOWING:

BOTANICAL NAME	COMMON NAME	PLS RATE/ACRE
<i>Ambrosia deltoidea</i>	Triangleleaf Bursage	2.0
<i>Ambrosia dumosa</i>	White Bursage	1.0
<i>Aster tanacetifolius</i>	Aster	1.0
<i>Baileya multiradiata</i>	Desert Marigold	0.5
<i>Encelia farinosa</i>	Brittlebush	1.0
<i>Eschscholzia californica ssp. mexicana</i>	Mexican Gold Poppy	2.0
<i>Larrea tridentata</i>	Creosote	2.0
<i>Lupinus sparsiflorus</i>	Desert Lupine	0.25
<i>Penstemon eatonii</i>	Firecracker Penstemon	0.25
<i>Penstemon parryi</i>	Parry's Penstemon	1.0
<i>Phacelia campanularia</i>	California Bluebells	0.5
46. LANDSCAPING PER SEPARATE PLANS (REFER TO NORRIS DESIGN LANDSCAPE PLANS, PLAN SET "I").

ENGINEER NOTES

1. THE PIMA ASSOCIATION OF GOVERNMENT (PAG) 2015 STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS (SSPI) AND STANDARD DETAILS (SD) ARE INCORPORATED INTO THIS PLAN IN THEIR ENTIRETY.

ENGINEER NOTES (CONTINUED)

2. ALL WORK REQUIRED TO COMPLETE THE CONSTRUCTION COVERED BY THIS PLAN SHALL BE IN ACCORDANCE WITH THE PIMA ASSOCIATION OF GOVERNMENT (PAG) 2015 STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS (SSPI) AND STANDARD DETAILS (SD) SPECIFICATIONS AND DETAILS AND CURRENT SUPPLEMENTS THEREOF PER THE CITY UNLESS SPECIFIED OTHERWISE IN THESE PLANS OR ELSEWHERE IN THE CONTRACT DOCUMENTS. CONTRACTORS SHALL FAMILIARIZE THEMSELVES WITH ALL REQUIRED STANDARD SPECIFICATIONS, DETAILS AND SUPPLEMENTS PRIOR TO BIDDING THE WORK FOR THE CONSTRUCTION COVERED BY THIS PLAN.
3. THE CONTRACTOR IS RESPONSIBLE FOR ALL METHODS, SEQUENCING, AND SAFETY CONCERNS ASSOCIATED WITH THIS PROJECT DURING CONSTRUCTION, UNLESS SPECIFICALLY ADDRESSED OTHERWISE IN THIS PLAN OR ELSEWHERE IN THE CONTRACT.
4. THE CONTRACTOR IS TO COMPLY WITH ALL LOCAL, STATE, AND FEDERAL LAWS AND REGULATIONS APPLICABLE TO THE CONSTRUCTION COVERED BY THIS PLAN.
5. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND COMPLYING WITH ALL PERMITS REQUIRED TO COMPLETE ALL WORK COVERED BY THIS PLAN.
6. THE CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION OF CONSTRUCTION AFFECTING UTILITIES AND THE COORDINATION OF ANY NECESSARY UTILITY RELOCATION WORK.
7. ALL PAVING, GRADING, EXCAVATION, TRENCHING, PIPE BEDDING, CUT FILL AND BACKFILL SHALL COMPLY WITH THE RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL ENGINEERING REPORT FOR THIS PROJECT IN ADDITION TO THE REFERENCED REQUIRED SPECIFICATIONS AND DETAILS. BE AWARE THAT CERTAIN UTILITIES REQUIRE PROPER ATTENTION AND CAREFUL PLANNING DURING SITE CONSTRUCTION. PLEASE NOTE THAT UTILITIES ON THESE PLANS MAY NOT EXHIBIT THE FULL PROTECTIVE COVER REQUIRED DURING THE SUBGRADE PREPARATION PHASE OF THE CONSTRUCTION. IN SUCH INSTANCES, THE CONTRACTOR SHALL PROVIDE ADDITIONAL PROTECTION (SUCH AS RAMPING) OR INCREASED PIPE STRENGTH TO PROVIDE THE NECESSARY PROTECTION REQUIRED TO PREVENT DAMAGE DURING THE CONSTRUCTION OF THIS PROJECT. THE CONTRACTOR SHALL HOLD THE ENGINEER HARMLESS IN ALL CASES FOR DAMAGES TO UTILITIES WHERE INADEQUATE PROTECTIVE MEASURES OCCUR.
8. THE CONTRACTOR IS TO VERIFY THE LOCATION AND THE ELEVATIONS OF ALL EXISTING UTILITIES AT POINTS OF TIE-IN, DEMOLITION AND ALL UTILITY CROSSINGS PRIOR TO COMMENCING ANY NEW CONSTRUCTION. SHOULD ANY LOCATION OR ELEVATION DIFFER FROM THAT SHOWN ON THESE PLANS, THE CONTRACTOR SHALL CONTACT THE OWNER'S AGENT.

ENGINEER NOTES (CONTINUED)

9. COORDINATION BETWEEN ALL PARTIES IS AN ESSENTIAL PART OF THIS CONTRACT.
10. CONTRACTOR IS RESPONSIBLE FOR PROJECT AND SITE CONDITIONS, AND TO WORK WITH WEATHER CONDITIONS AS THE PROJECT SITE MAY BE LOCATED IN A FLOOD PRONE AREA AND SUBJECT TO FLOODING AND ITS HAZARDS.
11. THE CONTRACTOR IS TO VERIFY THE LOCATION, ELEVATION, CONDITION, AND PAVEMENT CROSS-SLOPE OF ALL EXISTING SURFACES AT POINTS OF TIE-IN AND MATCHING, PRIOR TO COMMENCEMENT OF GRADING, PAVING, CURB AND GUTTER, OR OTHER SURFACE CONSTRUCTION. SHOULD EXISTING LOCATIONS, ELEVATIONS, CONDITION, OR PAVEMENT CROSS-SLOPE DIFFER FROM THAT SHOWN ON THESE PLANS, RESULTING IN THE DESIGN INTENT REFLECTED ON THESE PLANS NOT ABLE TO BE CONSTRUCTED, THE CONTRACTOR SHALL NOTIFY THE OWNER'S AGENT IMMEDIATELY FOR DIRECTION ON HOW TO PROCEED PRIOR TO COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR ACCEPTS RESPONSIBILITY FOR ALL COSTS ASSOCIATED WITH CORRECTIVE ACTION IF THESE PROCEDURES ARE NOT FOLLOWED.
12. CONTRACTOR IS RESPONSIBLE TO COORDINATE UTILITY CROSSINGS AT CULVERT CROSSINGS BEFORE STARTING WORK ON CULVERT. COORDINATE WITH OWNER REPRESENTATIVE. VERIFY UTILITY LINES AND/OR CONDUITS ARE IN PLACE AND LOCATED BEFORE STARTING WORK.
13. THIS PROJECT REQUIRES A REGULAR ONGOING MAINTENANCE PROGRAM FOR THE DESIGNED DRAINAGE SYSTEM(S) TO PRESERVE THE DESIGN INTEGRITY AND THE ABILITY TO PERFORM ITS OPERATIONAL INTENT. FAILURE TO PROVIDE MAINTENANCE WILL JEOPARDIZE THE DRAINAGE SYSTEM(S)' PERFORMANCE AND MAY LEAD TO IT'S INABILITY TO PERFORM PROPERLY AND/OR CAUSE DAMAGE ELSEWHERE IN THE PROJECT.
14. THE WORK PRODUCT PRESENTED IS BELIEVED TO BE COMPLIANT WITH THE INTENT OF THE CURRENT AMERICANS DISABILITIES ACT (ADA) REQUIREMENTS AS INTERPRETED BY THE REVIEWING AGENCY(S). IF CONSTRUCTION OF THE PROJECT IS DELAYED, THIS WORK PRODUCT SHOULD BE UPDATED TO ACCOUNT FOR ANY RELEVANT ADA UPDATES BEFORE CONSTRUCTION BEGINS.

Record Document
Dated: 02/03/2026



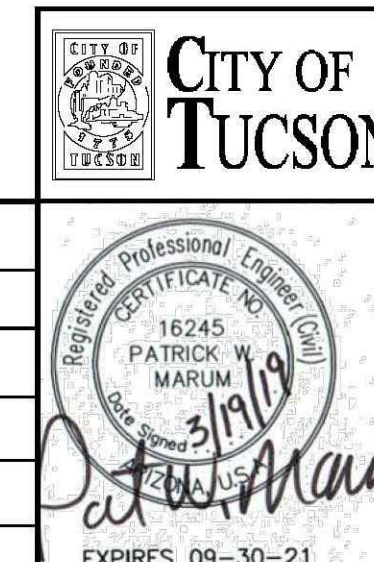
DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

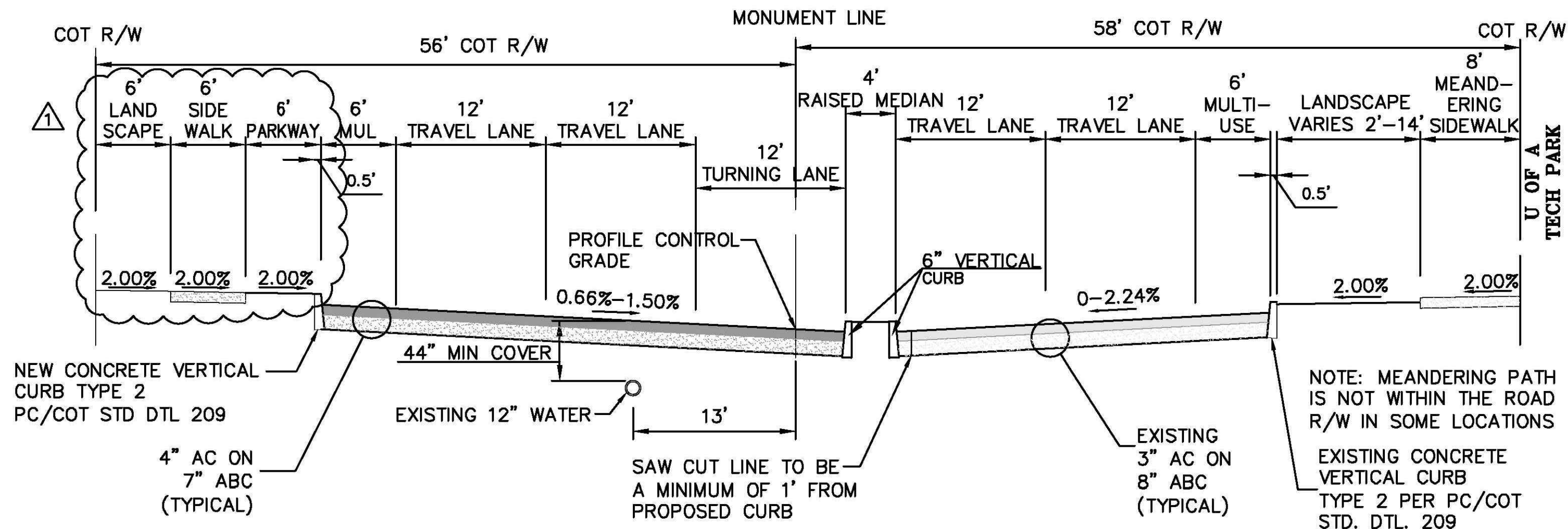
**M. L. KING JR. WAY
36TH STREET TO TUCSON MARKETPLACE BLVD**

Approvals	Signature	Date	Approved	20
				2
				OF
				32
TRANSPORTATION DIRECTOR				VERT. N/A
REF. XX-XX-XX				SCALE: H9875:10W100
PLANNING				PLAN NO. I-2018-024

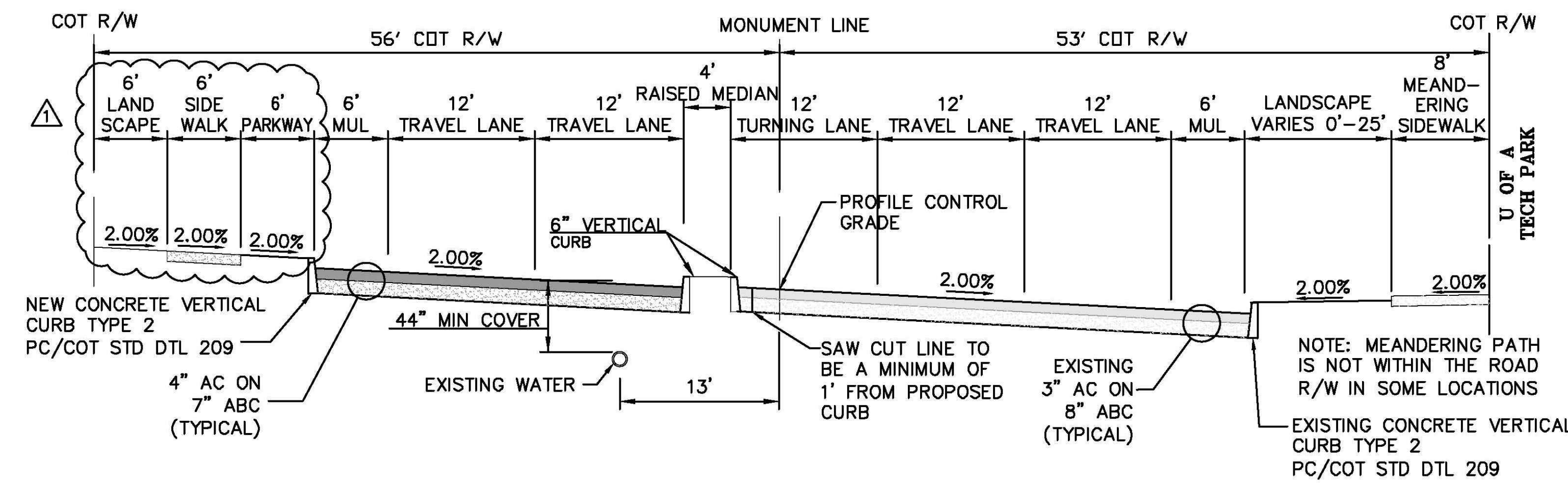
NOTES, UTILITIES MAP

NO.	DATE	REVISION	BY	CHKD.	APPR.

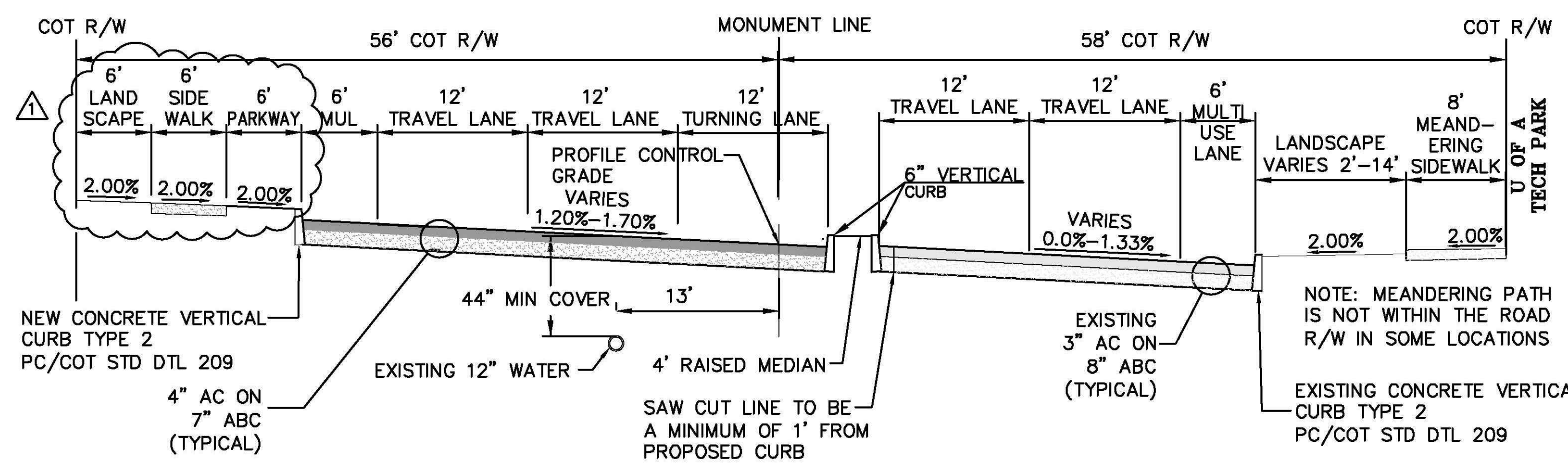




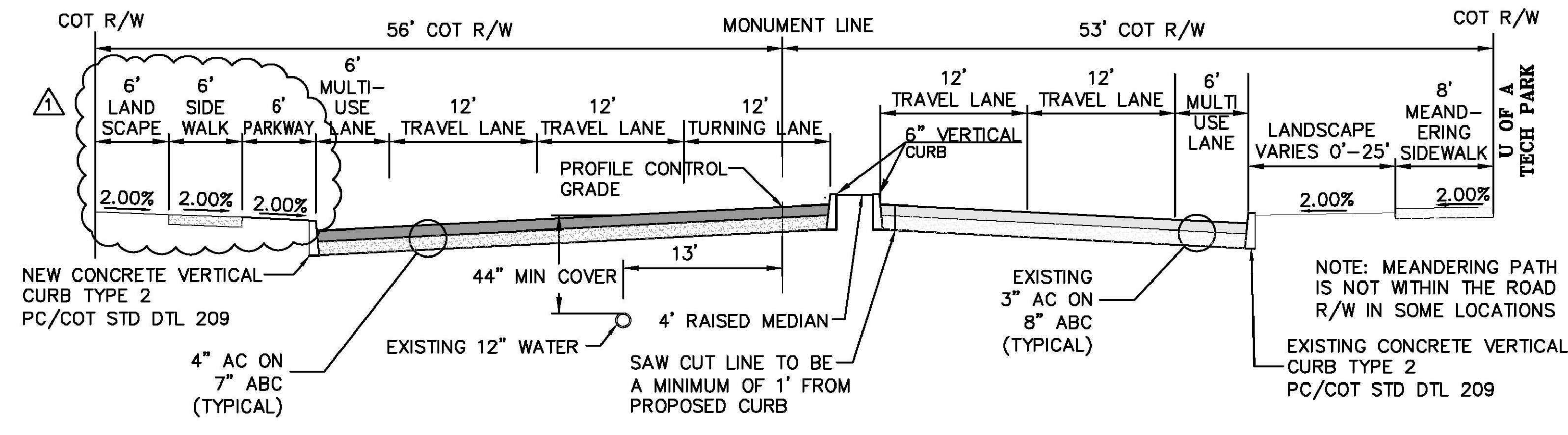
C M.L.K. JR. WAY-FUTURE DEVELOPED INVERTED CROWN SECTION
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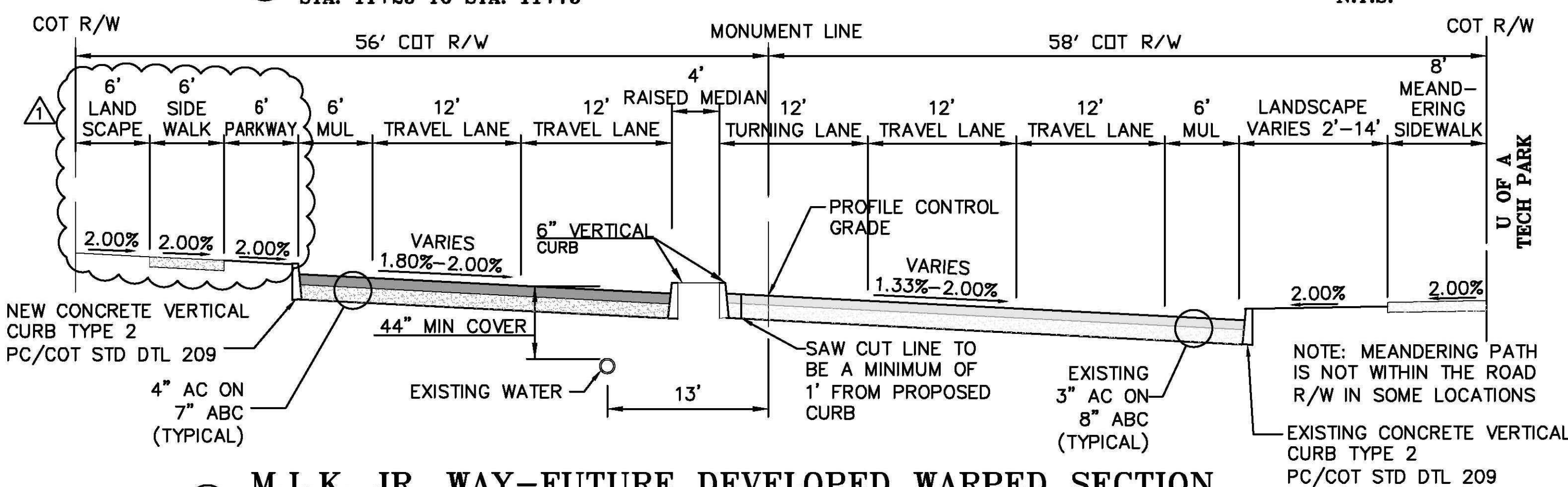
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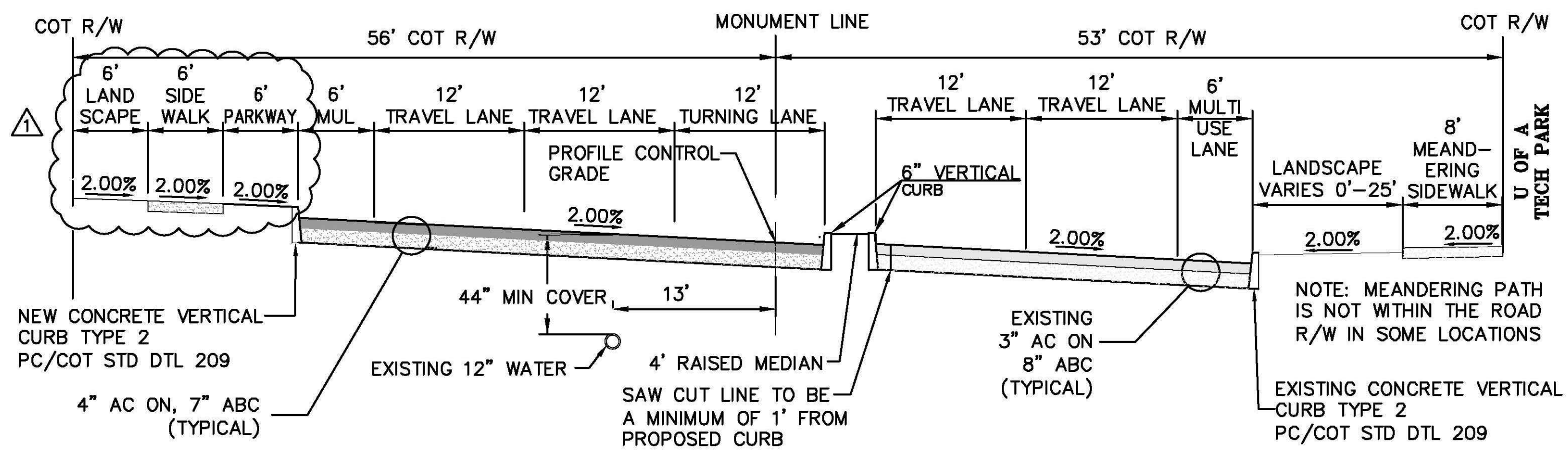
F M.L.K. JR. WAY-FUTURE DEVELOPED WARPED CROSS SECTION
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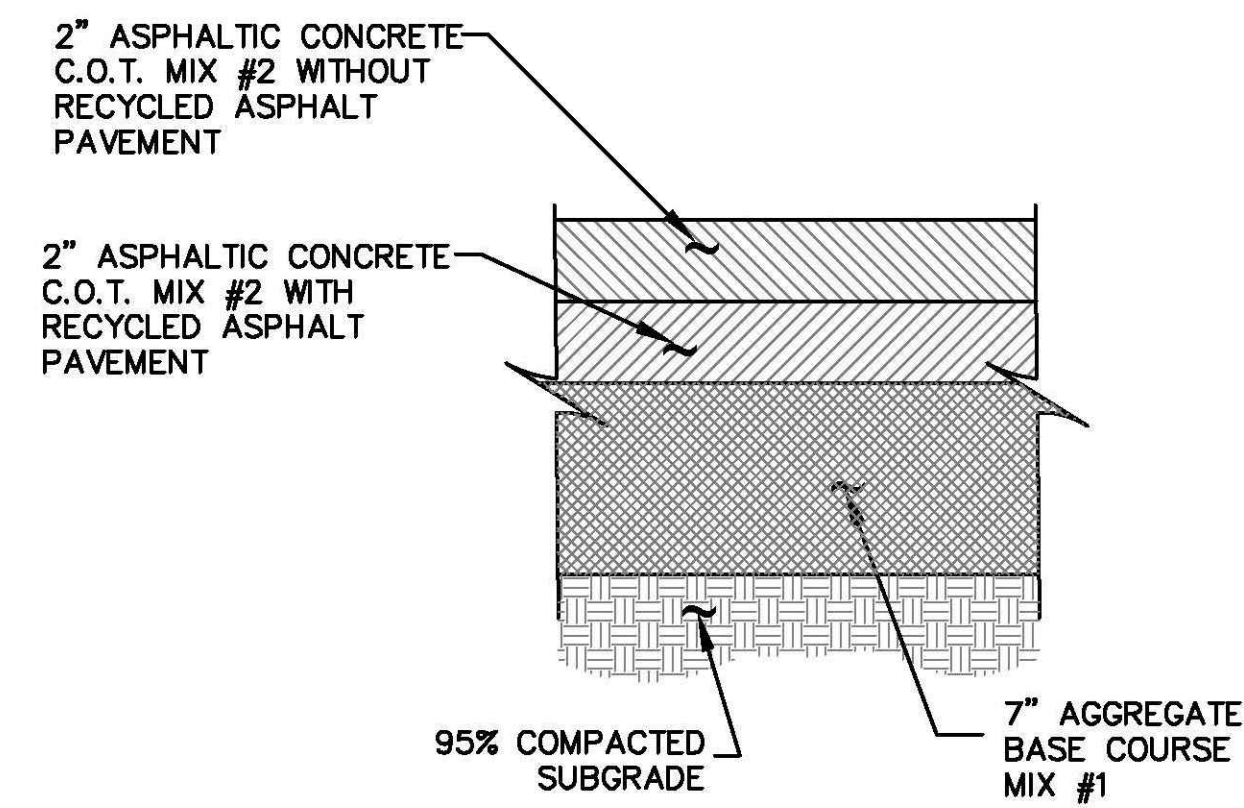
P M.L.K. JR. WAY-FULLY DEVELOPED CROWNED CROSS SECTION
 STA: 35+40 TO STA: 37+50 N.T.S.



H M.L.K. JR. WAY-FUTURE DEVELOPED WARPED SECTION
 STA: 11+75 TO STA: 14+50; STA: 16+50 TO STA: 19+50; STA: 22+00 TO STA: 25+00; STA: 27+50 TO STA: 31+00 N.T.S.



K M.L.K. JR. WAY-FULLY DEVELOPED WARPED CROSS SECTION
 STA: 14+50 TO STA: 16+30; STA: 19+50 TO STA: 21+50; STA: 25+00 TO STA: 28+50; STA: 31+00 TP STA: 33+00 N.T.S.

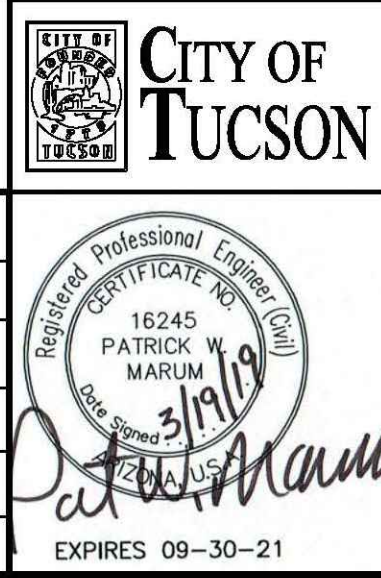


R PAVEMENT SECTION
 PER GEOTECHNICAL ENGINEERS RECOMMENDATION N.T.S.



ULTIMATE FULLY DEVELOPED 4-LANE CROSS SECTIONS

NO.	DATE	REVISION	BY	CHKD.	APPR.
5-14-19		CHANGED LANDSCAPE & SIDEWALK WIDTH AND POSITION	J.H.W.	P.M.	



DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

M. L. KING JR. WAY
 36TH STREET TO TUCSON MARKETPLACE BLVD

Approvals	Signatory	Date
Approved _____	_____	_____
TRANSPORTATION DIRECTOR		

Approved _____ 20__ 3 OF 32

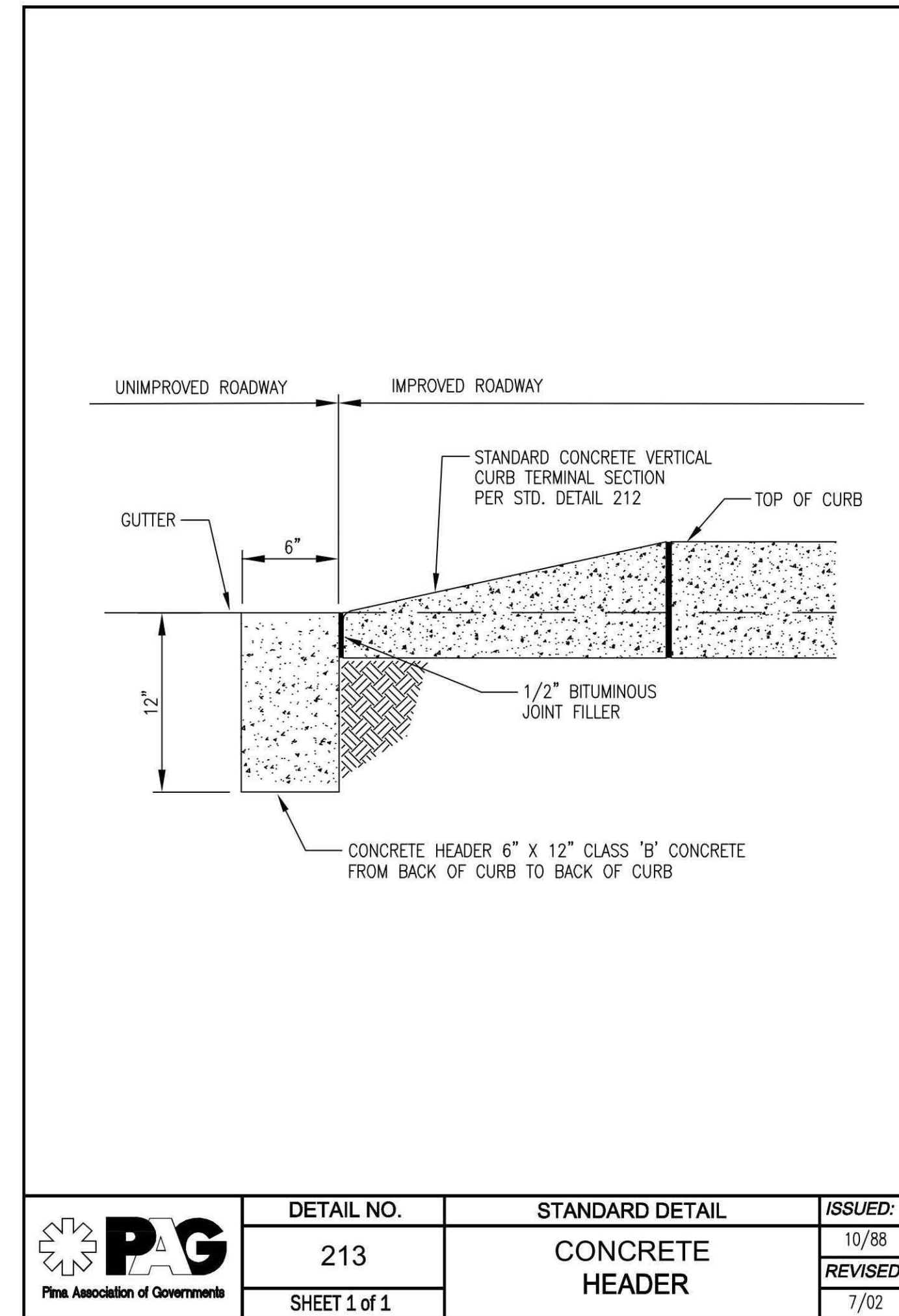
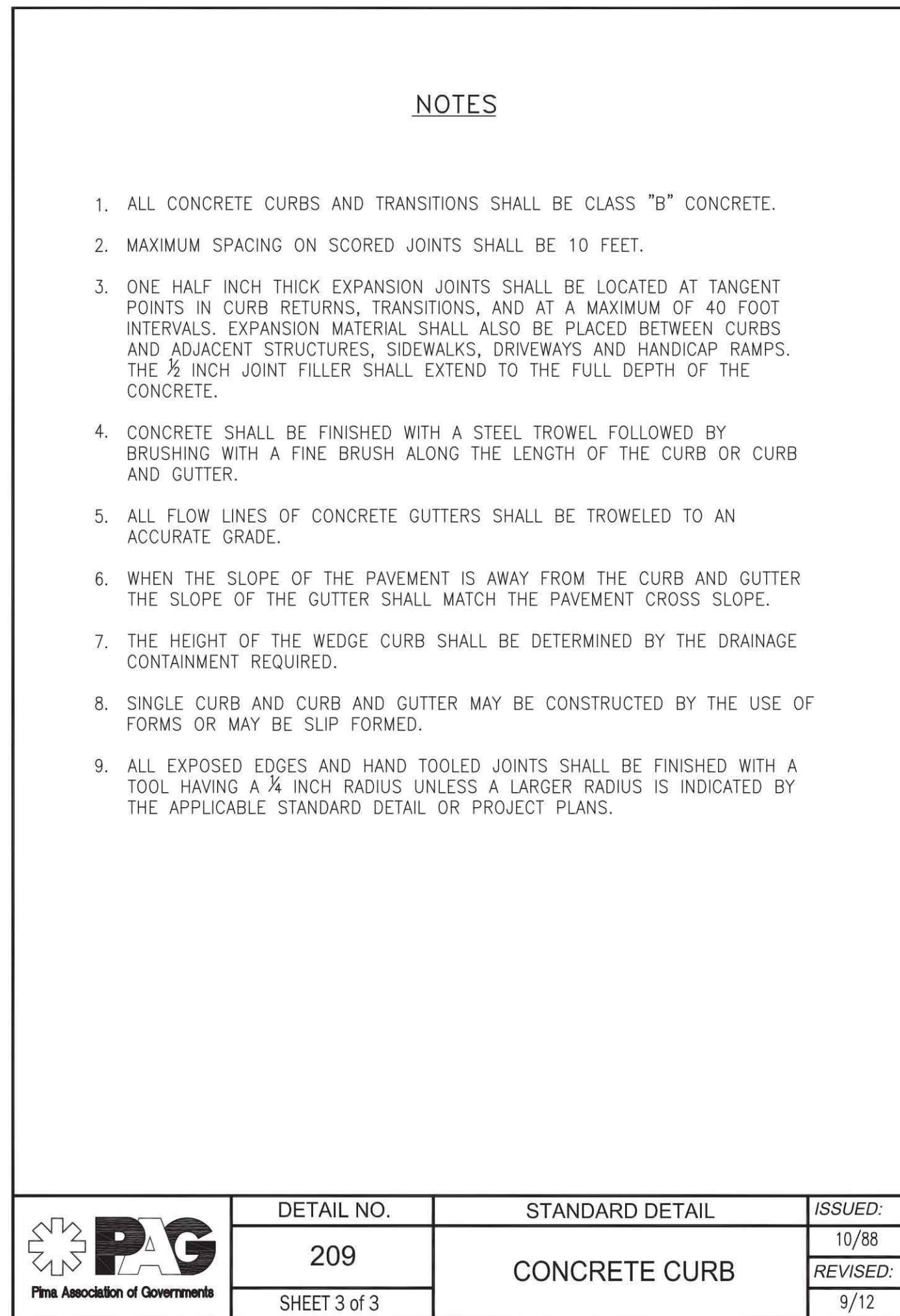
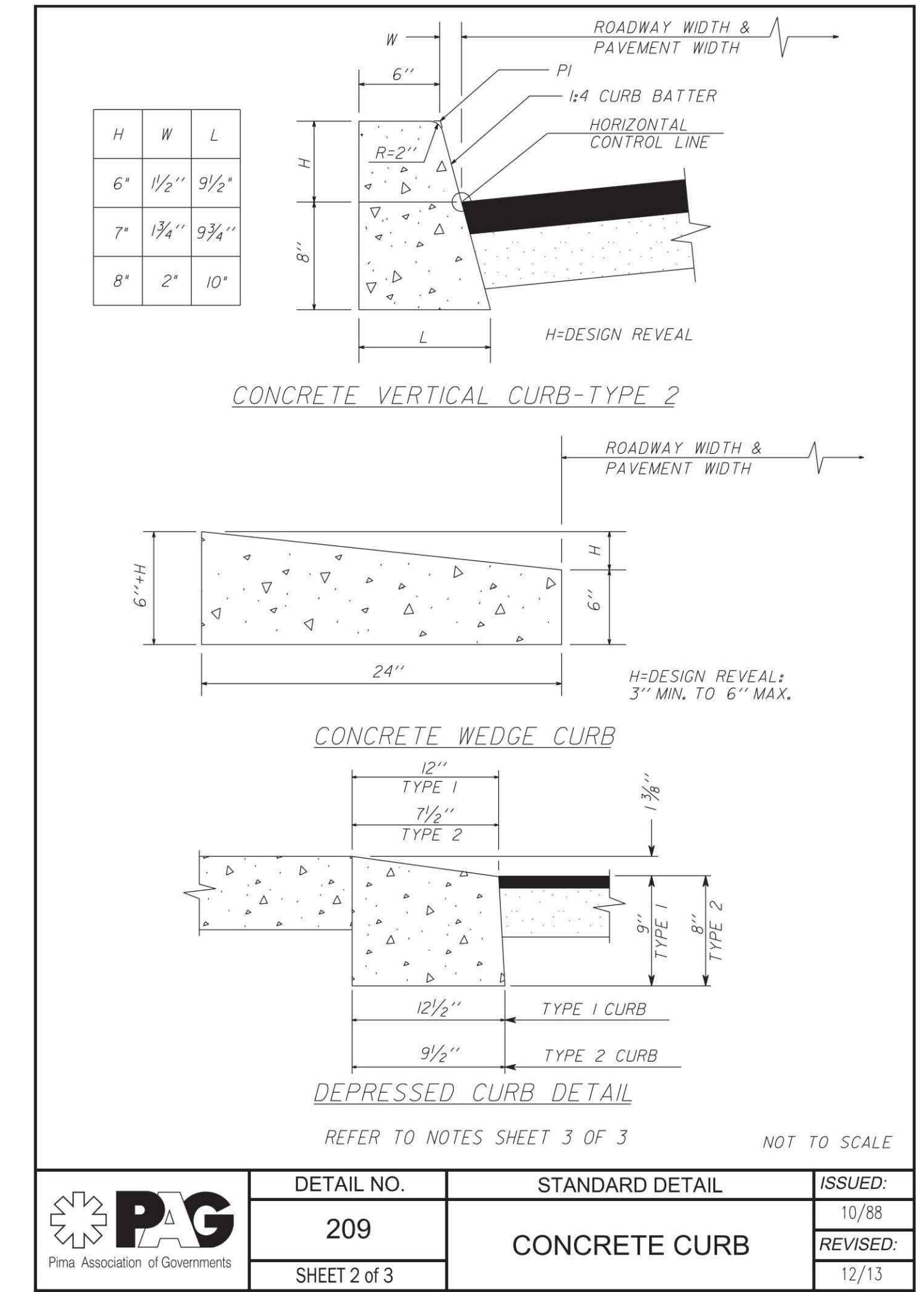
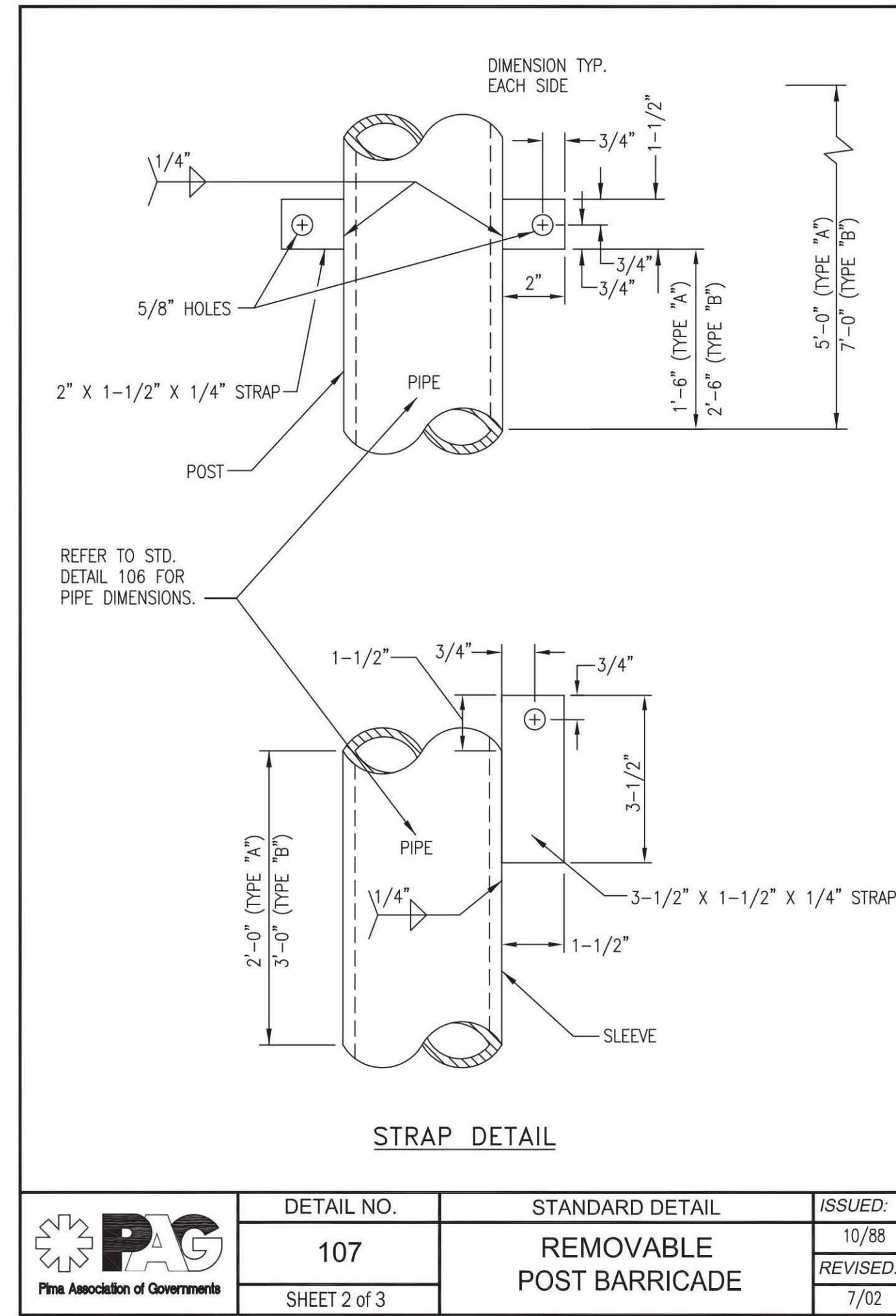
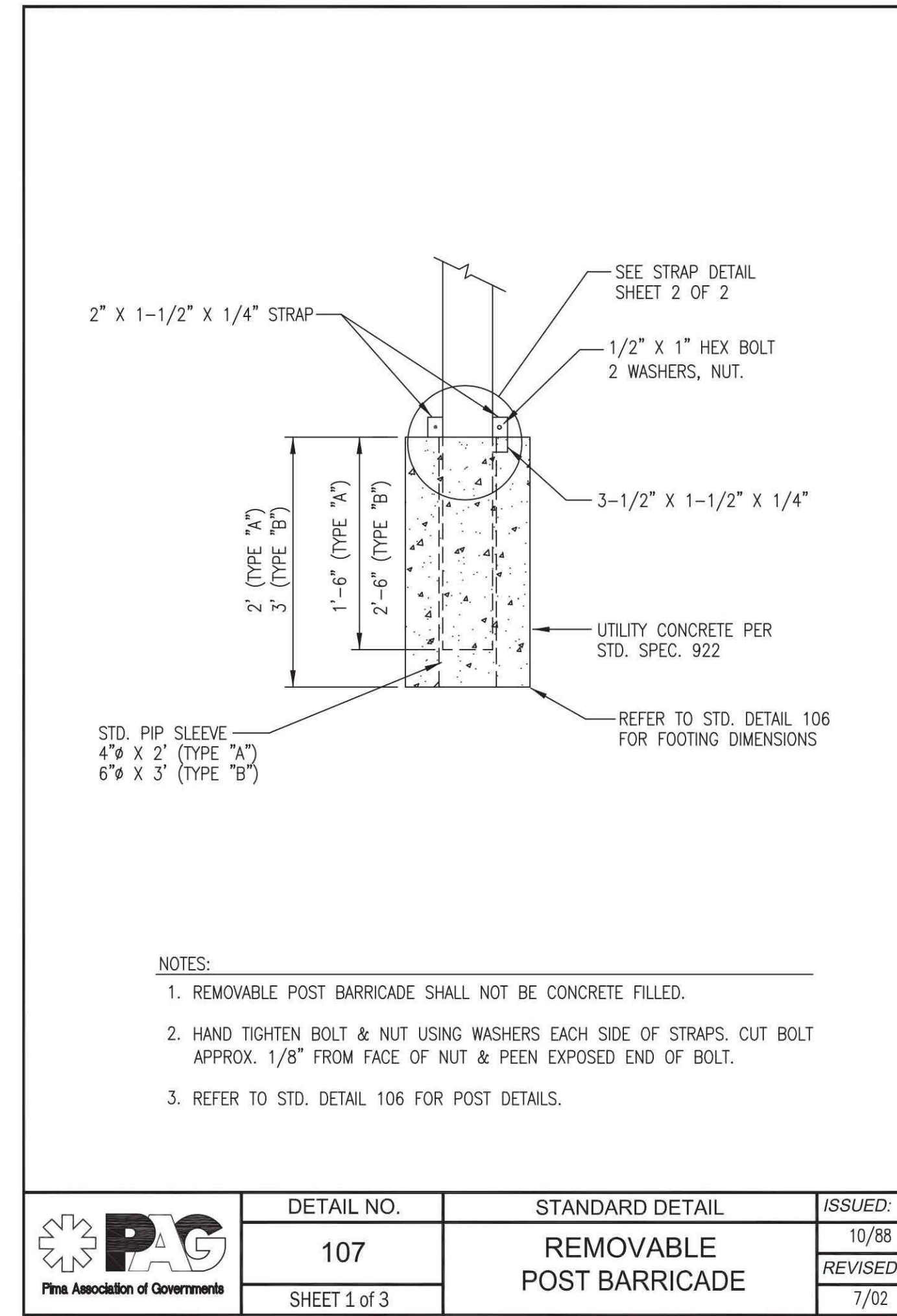
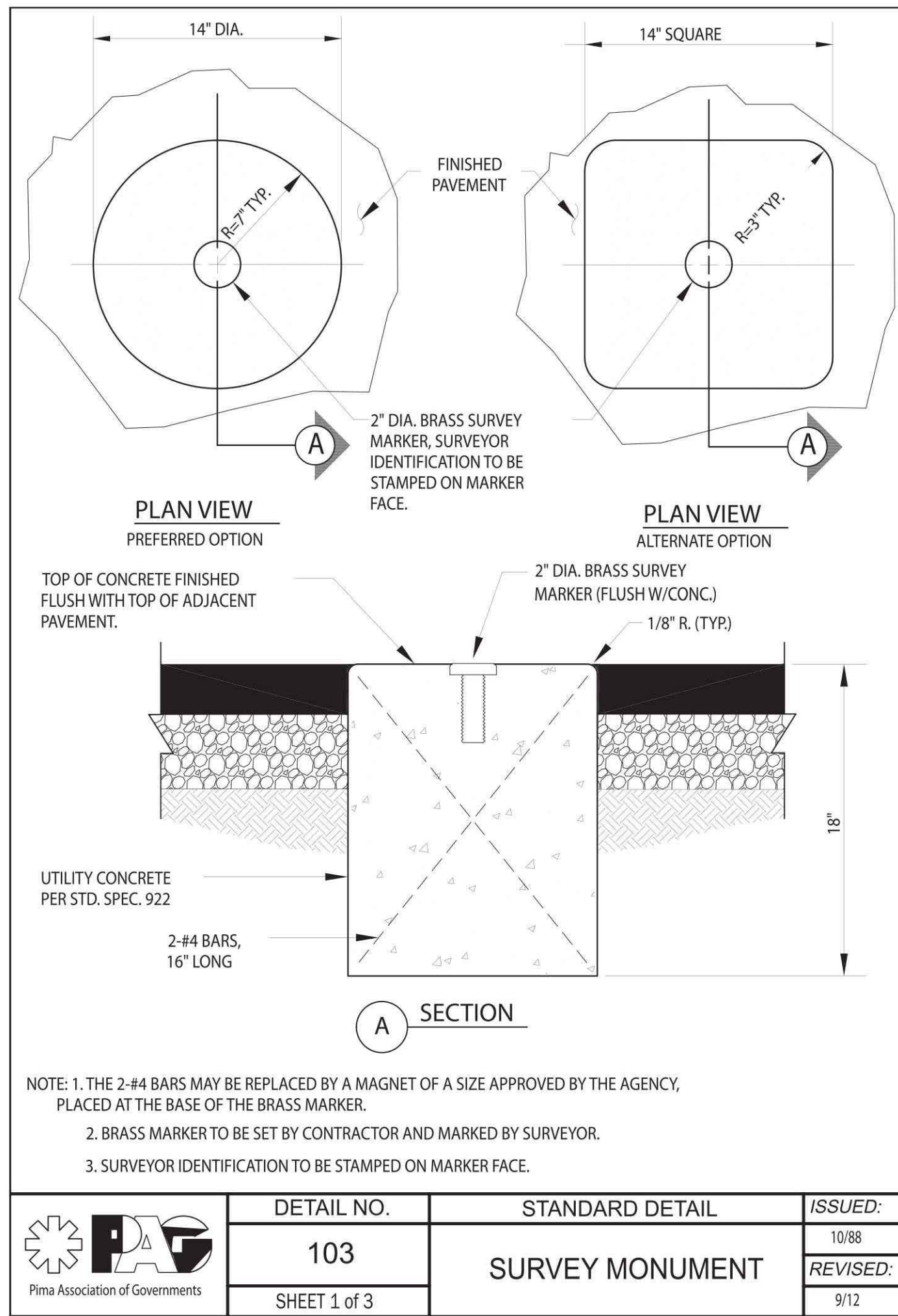
REF. XX-XX-XX SCALE: AS SHOWN

PLAN NO. I-2018-024

Record Document
 Dated: 02/03/2026



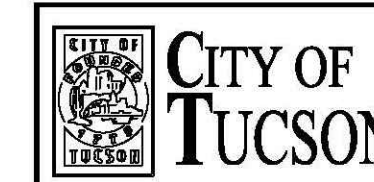
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 XREFS: 18043-BRD1R 18043-EX-PROP 18043-BA SECTION DETAILS PLAN



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 DATE: Sep 20, 2019
 XREFS: 18043-BRD 18043-EX-PROP 18043-EX-PROP 18043-BA SECTION DETAILS PLAN

STANDARD DETAILS

NO.	DATE	REVISION	BY	CHKD.	APPR.



CITY OF
TUCSON

Professional Engineer
16245
PATRICK W.
MARUM
3/19/19
EXPIRES 09-30-21

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

M. L. KING JR. WAY
36TH STREET TO TUCSON MARKETPLACE BLVD

Approvals	Signatory	Date

Approved _____ 20__ 4
OF
32

TRANSPORTATION DIRECTOR

REF. XX-XX-XX SCALE: AS SHOWN

PLAN NO. I-2018-024

DRWN. BY JHW 20 19 DSGN. BY PWM 20 19 CHKD. BY PWM 20 19

Record Document
Dated: 02/03/2026



DEMOLITION KEYNOTES:

- ① SAWCUT EXISTING PAVEMENT
- ② EXISTING HEADER CURB TO BE REMOVED
- ③ 2' HIGH PROTECTIVE EARTHEN BERM TO BE REMOVED

THE BRIDGES
BLOCK 3
PAD SUB-AREA B-II
MIXED USE
BOOK 65, M&P, PAGE 2

ECR
STA. 14+11.38, 62.46' LT.
TC=91.40/G=90.90 TC=91.66/G=91.16

BCR
STA. 14+38.89, 62.08' LT.
TC=90.64/G=90.14

PC
STA. 16+00.00, 4.00' RT.
TC=86.33/G=85.83

STA: 10+56.66
OFFSET: 3.00' RT
MATCH EXISTING
EP=2491.62

PT STA: 10+54.62
OFFSET: 4.00' RT
G=2491.61, TC=2492.11

PT STA: 9+79.10
CENTERLINE
INTERSECTION
M.L.K. JR. WAY
AND TUCSON
MARKETPLACE
BLVD

THE BRIDGES
BLOCK 4
PAD SUB-AREA B-III
MIXED USE
BOOK 65, M&P, PAGE 2

STA: 10+33.65
OFFSET: 3.00' RT
MATCH EXISTING
EP=2491.38

PC STA: 10+54.62
OFFSET: 8.00' RT
G=2491.71,
TC=2492.21

EXISTING 114.00' PUBLIC
RIGHT-OF-WAY
BK. 65, M&P, PG 2

STA: 10+67.15
EXISTING UTILITY
CONDUITS

PC STA. 12+04.56, 8.00' RT.
TC=93.80/G=93.30 TC=93.97/G=93.47

PRC STA. 12+42.98, 1.82' RT.
TC=93.74/G=93.24
TC=93.66/G=93.16

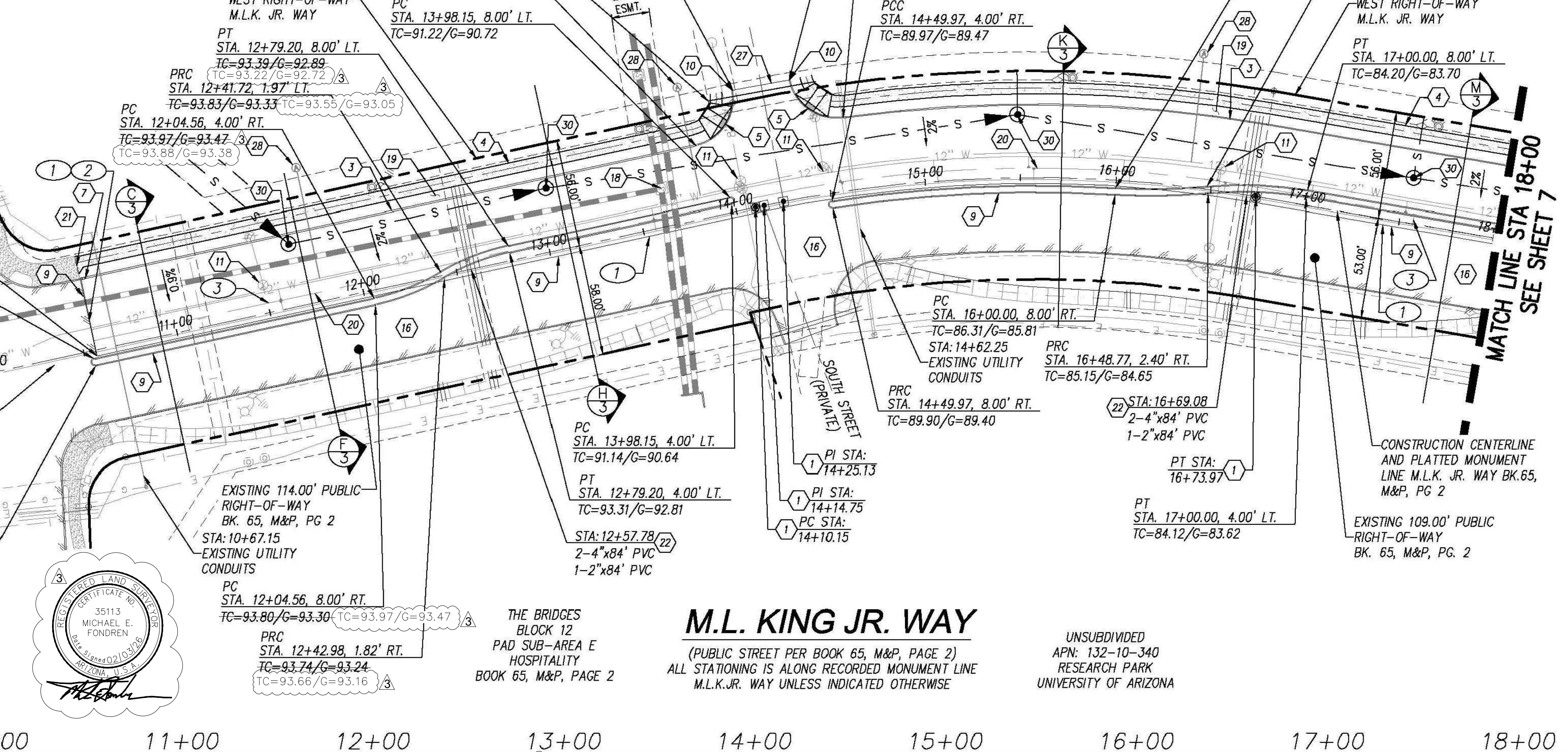
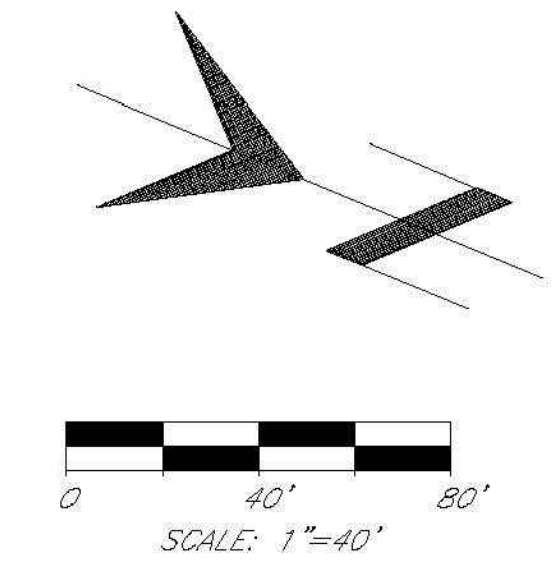
THE BRIDGES
BLOCK 12
PAD SUB-AREA E
HOSPITALITY
BOOK 65, M&P, PAGE 2

M.L. KING JR. WAY
(PUBLIC STREET PER BOOK 65, M&P, PAGE 2)
ALL STATIONING IS ALONG RECORDED MONUMENT LINE
M.L.K. JR. WAY UNLESS INDICATED OTHERWISE

UNSUBDIVDED
APN: 132-10-340
RESEARCH PARK
UNIVERSITY OF ARIZONA

PAVING PLAN KEYNOTES:

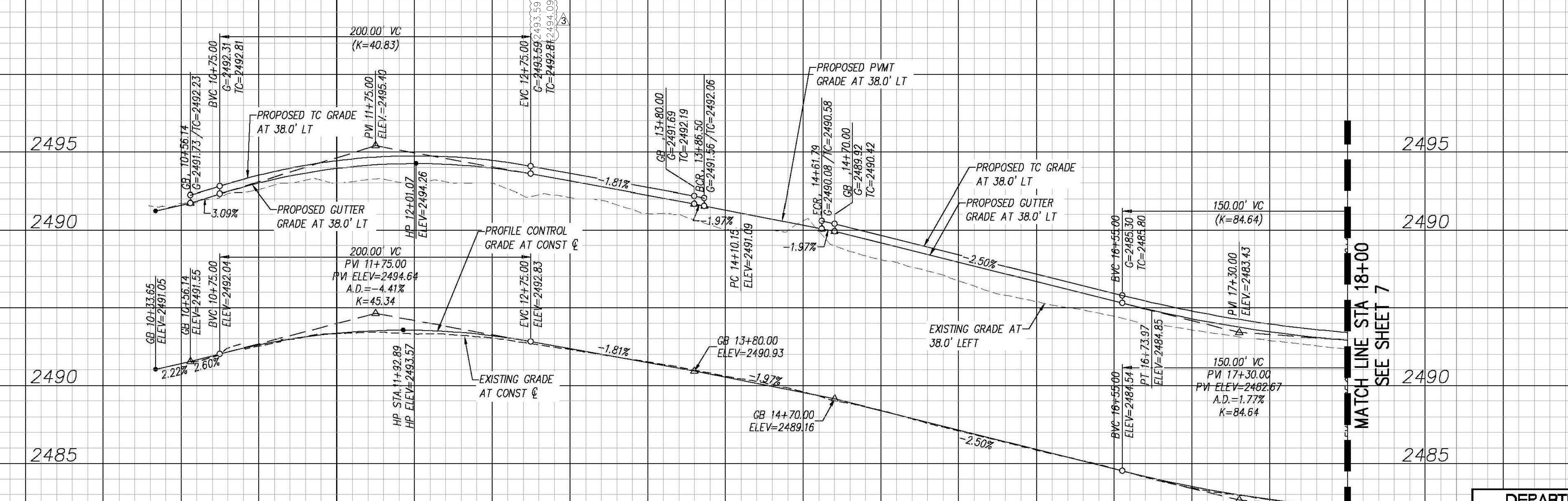
- ① NEW SURVEY MONUMENT PER PAG STD DTL 103
- ③ 6" VERTICAL CURB TYPE 2 PER PAG STD. DTL. 209
- ④ NEW 6" CONCRETE SIDEWALK PER PAG STD. DTL. 200
- ⑤ CURB ACCESS RAMP PER PAG STD. DTL. 207 TYPE 4
W/TRUNCATED DOMES & 6" VERTICAL CURB TYPE 2
- ⑦ CONNECT NEW VERTICAL CURB TO EXISTING
VERTICAL CURB PER PAG STD. DTL. 211
- ⑨ SAWCUT, TACK AND JOIN EXISTING PAVEMENT
- ⑩ CURB TERMINAL PER PAG STD. DTL. 212
- ⑪ ADJUST EXISTING WATER VALVE B&C TO NEW
PAVEMENT ELEVATION
- ⑬ PROPOSED GRADING LIMIT LINE
- ⑮ EXISTING ROAD SURFACE TO REMAIN
- ⑱ ADJUST EXISTING STORM DRAIN MANHOLE TO FINISHED
GRADE
- ⑲ HYDROSEED. SEE GENERAL NOTE 45, SHEET 2
- ⑳ 2' HIGH PROTECTIVE EARTHEN BERM TO BE REMOVED
- ㉑ CONNECT NEW SIDEWALK TO EXISTING SIDEWALK PER PAG
STD. DTL. 203
- ㉒ INSTALLED PVC IRRIGATION SLEEVE(S) PER DETAIL Q
SHEET 5 IN 10.00' EASEMENT PER PLAT
- ㉔ EXISTING SURVEY MONUMENT PER PAG STD DTL 103
- ㉕ MATCH PAVEMENT
- ㉗ EXISTING ARV PER TUCSON WATER AS-BUILT PLAN
NUMBER 2-169-2007
- ㉘ INSTALL PVC IRRIGATION SLEEVE(S) PER DETAIL Q
SHEET 5
- ㉚ ADJUST SANITARY SEWER MANHOLE TO FINAL
GRADE



SPEED
DESIGN SPEED = 30 MPH
POSTED SPEED = 25 MPH

NOTE:
SEWER BY SEPARATE PLAN
(G-2018-069)

10+00 11+00 12+00 13+00 14+00 15+00 16+00 17+00 18+00 19+00



MATCH LINE STA 18+00
SEE SHEET 7

Record Document
Dated: 02/03/2026



DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

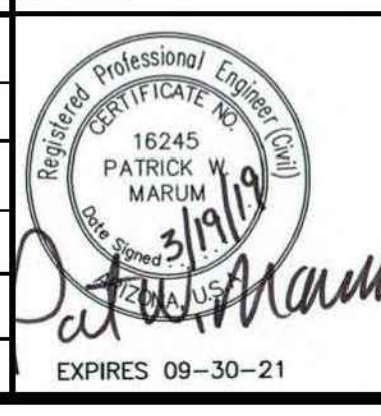
M. L. KING JR. WAY
36TH STREET TO TUCSON MARKETPLACE BLVD

PLAN AND PROFILE

NO.	DATE	REVISION	BY	CHKD.	APPR.
3	02/03/26	RECORD DOCUEMNT	RLF		

Approvals	Signature	Date

Approved _____	20 ____	6
TRANSPORTATION DIRECTOR		OF
REF. XX-XX-XX	SCALE: AS SHOWN	32
PLAN NO. I-2018-024		

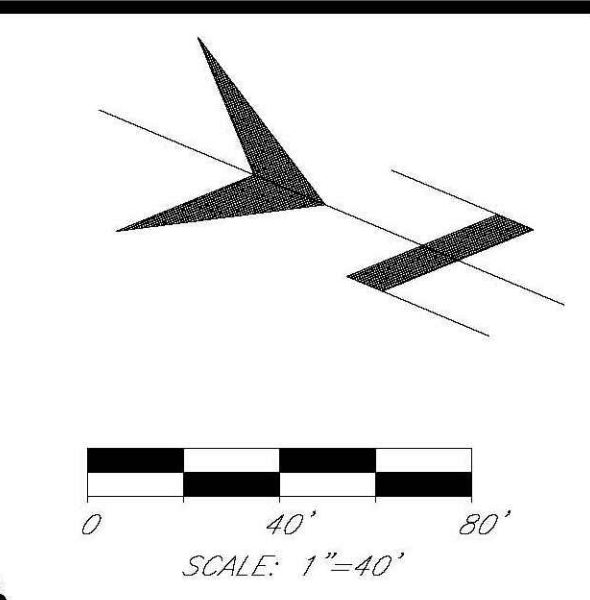
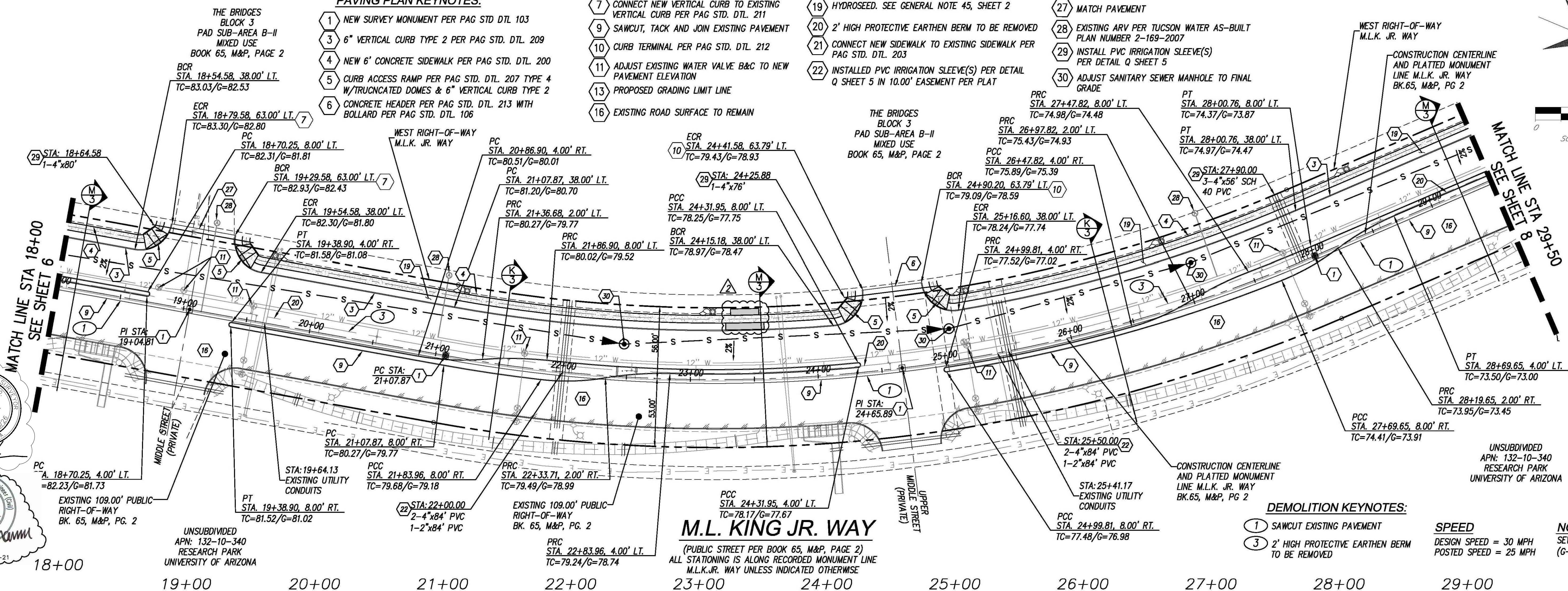


DWG: N:\2018\18043 - BP Bridges - M.L.K. Jr. Way\18043-PIA-06-09.dwg
 USER: Williams DATE: Sep 20, 2019
 XREFS: 18043-BRDOR 18043-EX-FRPP 18043-BA GEICO BUILDING SITE 18043-BRDOR-FULLGRD

DWG. N: 2018\18043 - BP Bridges - M.L.K. Jr. Way PIA Dwg\18043-PIA-06-09.dwg
 XREFS: 18043-BRDR 18043-EXA_NobleWay 18043-EX-PROP 18043-BA GEICO BUILDING SITE 18043-BRDR-FULLGRD
 USER: jwilliams DATE: Sep 20, 2019

PAVING PLAN KEYNOTES:

- 1 NEW SURVEY MONUMENT PER PAG STD. DTL. 103
- 2 6" VERTICAL CURB TYPE 2 PER PAG STD. DTL. 209
- 3 NEW 6" CONCRETE SIDEWALK PER PAG STD. DTL. 200
- 4 CURB ACCESS RAMP PER PAG STD. DTL. 207 TYPE 4 W/TRUNCATED DOMES & 6" VERTICAL CURB TYPE 2
- 5 CONCRETE HEADER PER PAG STD. DTL. 213 WITH BOLLARD PER PAG STD. DTL. 106
- 6 CONNECT NEW VERTICAL CURB TO EXISTING VERTICAL CURB PER PAG STD. DTL. 211
- 7 SAWCUT, TACK AND JOIN EXISTING PAVEMENT
- 8 CURB TERMINAL PER PAG STD. DTL. 212
- 9 ADJUST EXISTING WATER VALVE B&C TO NEW PAVEMENT ELEVATION
- 10 PROPOSED GRADING LIMIT LINE
- 11 EXISTING ROAD SURFACE TO REMAIN
- 12 HYDROSEED. SEE GENERAL NOTE 45, SHEET 2
- 13 2' HIGH PROTECTIVE EARTHEN BERM TO BE REMOVED
- 14 CONNECT NEW SIDEWALK TO EXISTING SIDEWALK PER PAG STD. DTL. 203
- 15 INSTALLED PVC IRRIGATION SLEEVE(S) PER DETAIL Q SHEET 5 IN 10.00' EASEMENT PER PLAT
- 16 MATCH PAVEMENT
- 17 EXISTING ARV PER TUCSON WATER AS-BUILT PLAN NUMBER 2-169-2007
- 18 INSTALL PVC IRRIGATION SLEEVE(S) PER DETAIL Q SHEET 5
- 19 ADJUST SANITARY SEWER MANHOLE TO FINAL GRADE



REGISTERED LAND SURVEYOR
 35113
 MICHAEL E. FONDREN
 (SINCE 02/15/08)

Professional Engineer (Civil)
 16245
 PATRICK W. MARUM
 (SINCE 02/15/08)

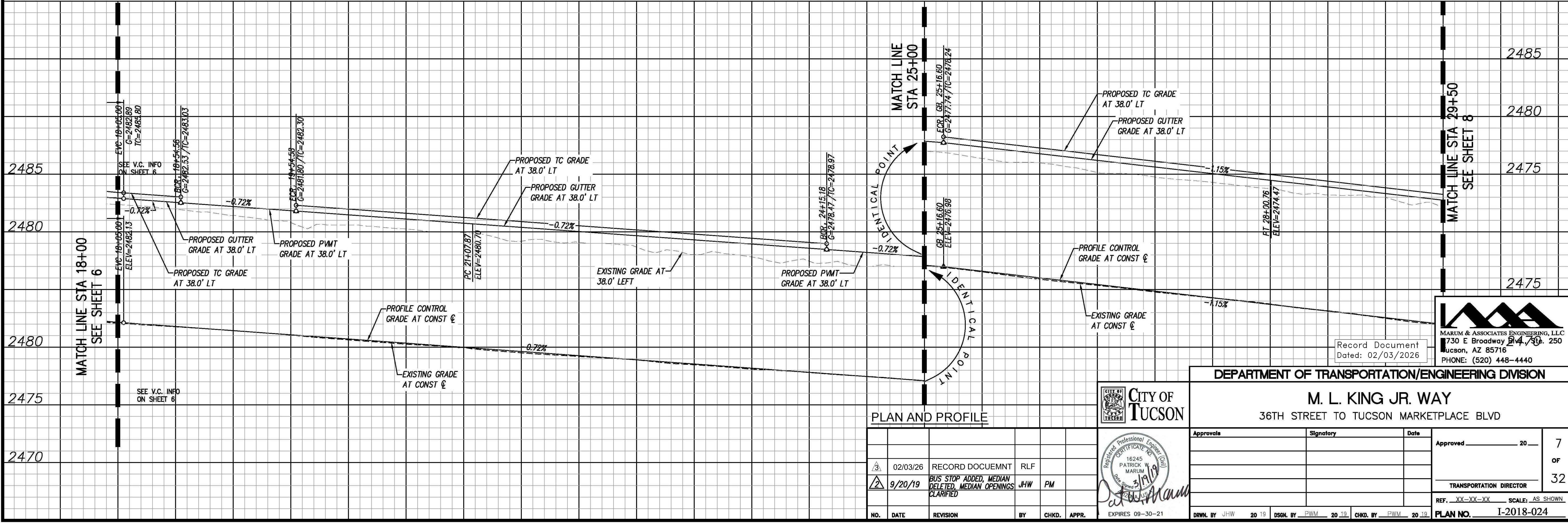
EXPIRES 09-30-21

DEMOLITION KEYNOTES:

- 1 SAWCUT EXISTING PAVEMENT
- 2 2' HIGH PROTECTIVE EARTHEN BERM TO BE REMOVED

SPEED
 DESIGN SPEED = 30 MPH
 POSTED SPEED = 25 MPH

NOTE:
 SEWER BY SEPARATE PLAN (G-2018-069)



PLAN AND PROFILE

NO.	DATE	REVISION	BY	CHKD.	APPR.
3	02/03/26	RECORD DOCUEMNT	RLF		
2	9/20/19	BUS STOP ADDED, MEDIAN DELETED, MEDIAN OPENINGS CLARIFIED	JHW	PM	

CITY OF TUCSON

Professional Engineer (Civil)
 16245
 PATRICK W. MARUM
 (SINCE 02/15/08)

EXPIRES 09-30-21

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

M. L. KING JR. WAY
 36TH STREET TO TUCSON MARKETPLACE BLVD

Approvals	Signature	Date

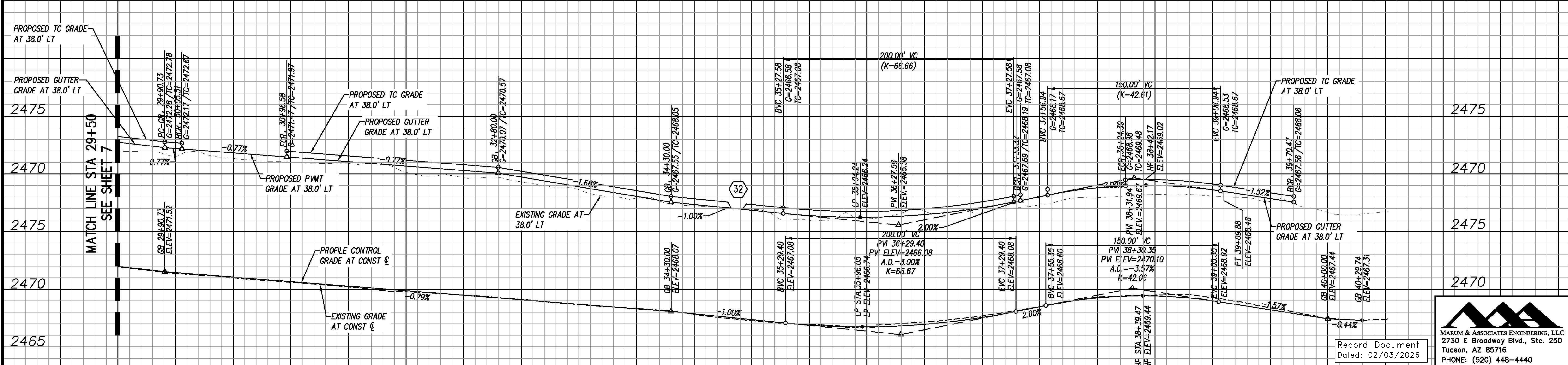
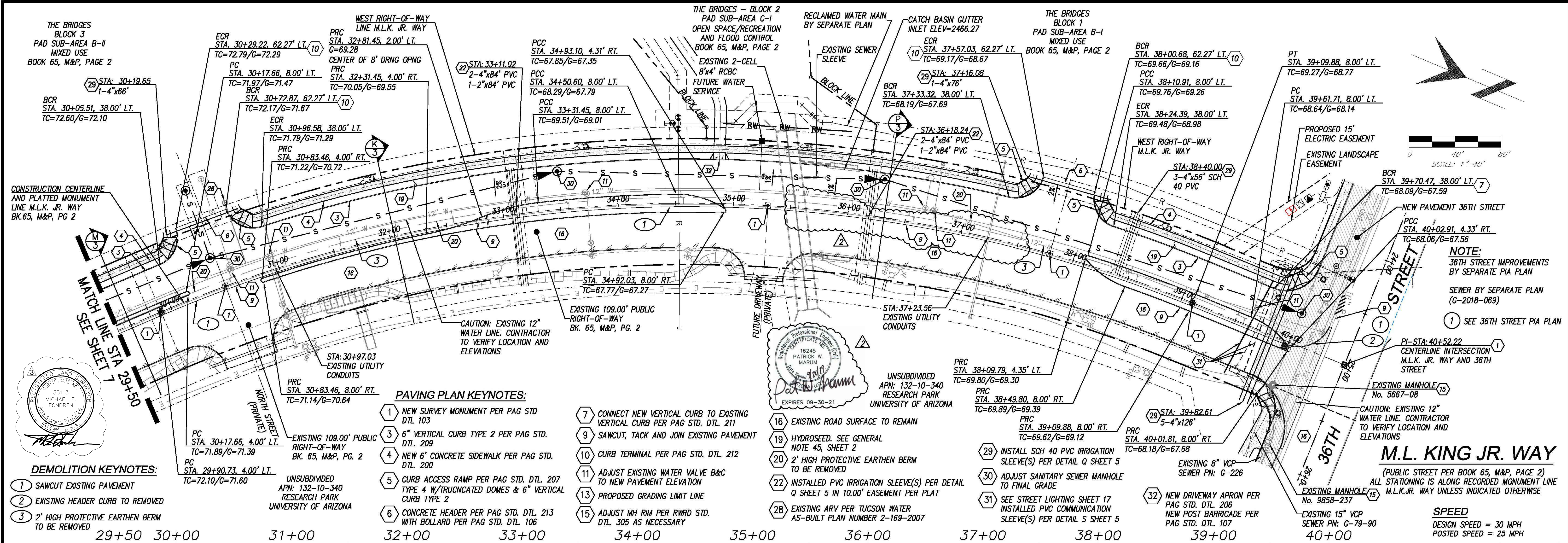
Approved _____ 20____ 7
 OF
 32

TRANSPORTATION DIRECTOR

REF. XX-XX-XX SCALE: AS SHOWN

PLANNING NO. I-2018-024

DMC: N:\2018\18043 - BP Bridges - M.L.K. Jr. Way PIA\18043-PIA-06-09.dwg
 USER: jwilliams DATE: Sep 20, 2019
 XREFS: 18043-BRDR 18043-EX-PROP 18043-BA GEICO BUILDING SITE 18043-BRDR-FULLGRD



DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

M. L. KING JR. WAY
36TH STREET TO TUCSON MARKETPLACE BLVD

PLAN AND PROFILE

NO.	DATE	REVISION	BY	CHKD.	APPR.
3	02/03/26	RECORD DOCUEMNT	RLF		
4	9/20/19	BUS STOP ADDED, MEDIAN DELETED, MEDIAN OPENINGS CLARIFIED	JHW	PM	

APPROVALS

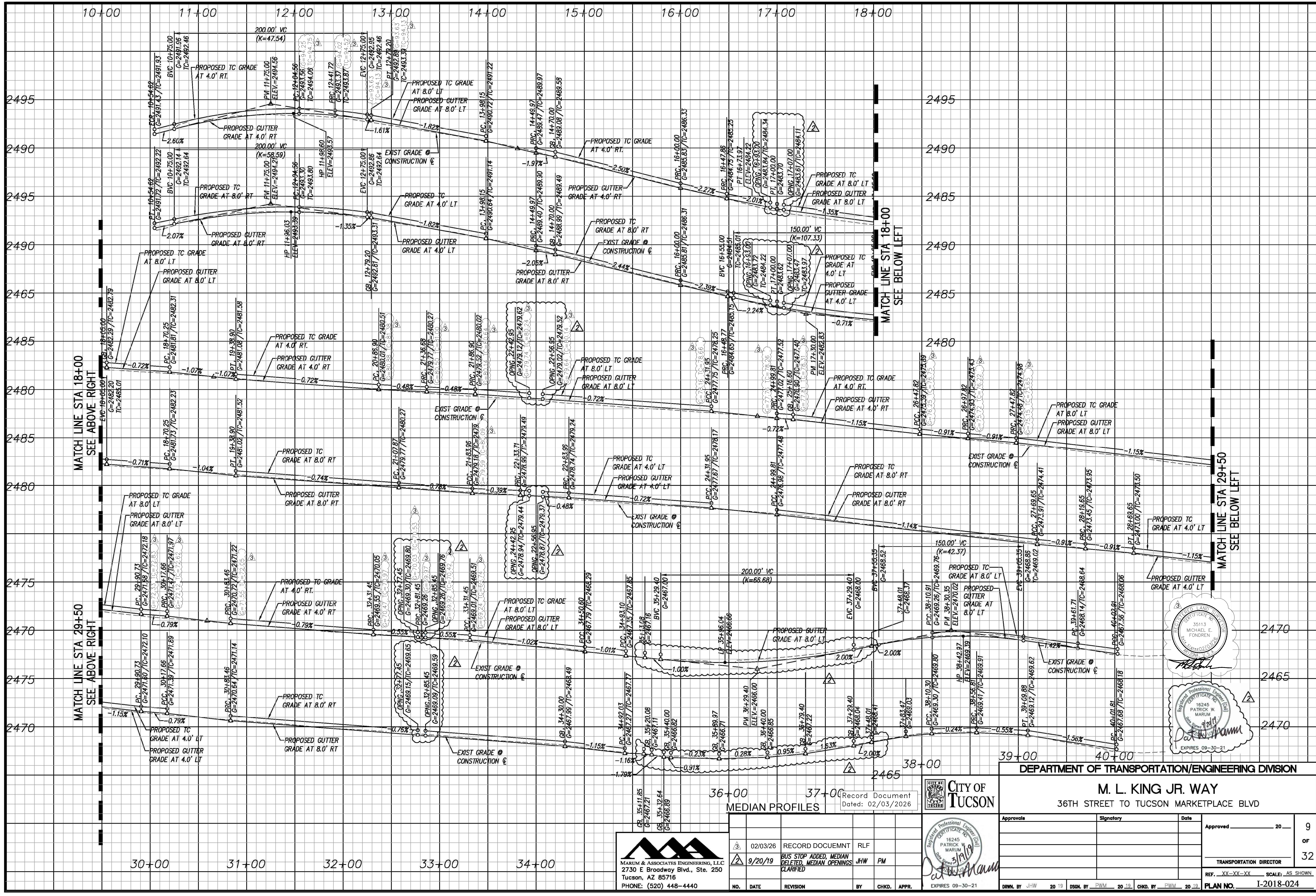
Signature	Date
<i>[Signature]</i>	

Approved _____ 20__ 8 OF 32

TRANSPORTATION DIRECTOR

REF. XX-XX-XX SCALE: AS SHOWN

PLAN NO. I-2018-024



MARUM & ASSOCIATES ENGINEERING, LLC
 2730 E Broadway Blvd., Ste. 250
 Tucson, AZ 85716
 PHONE: (520) 448-4440

36+00 37+00
MEDIAN PROFILES
 Record Document
 Date: 02/03/2026

NO.	DATE	REVISION	BY	CHKD.	APPR.
3	02/03/26	RECORD DOCUEMNT	RLF		
2	9/20/19	BUS STOP ADDED, MEDIAN DELETED, MEDIAN OPENINGS CLARIFIED	JHW	PM	

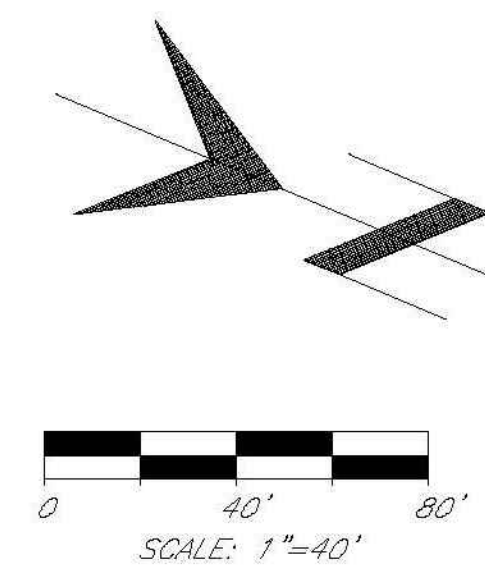
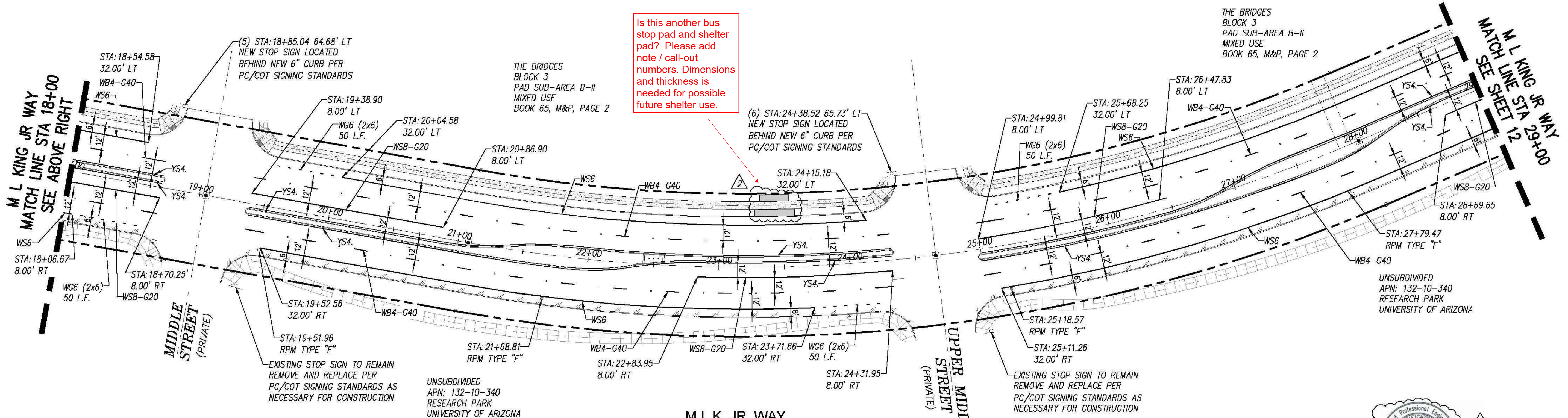
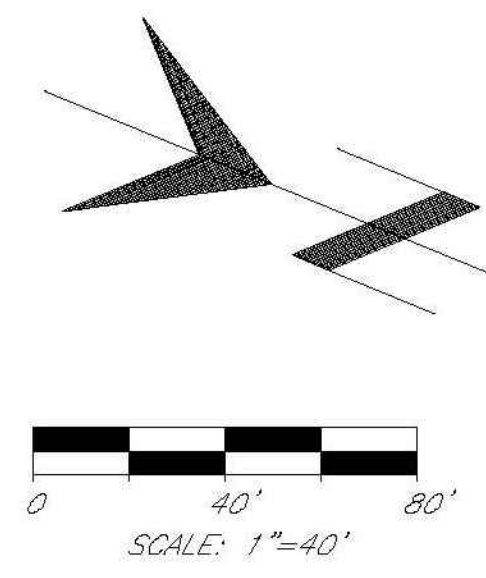
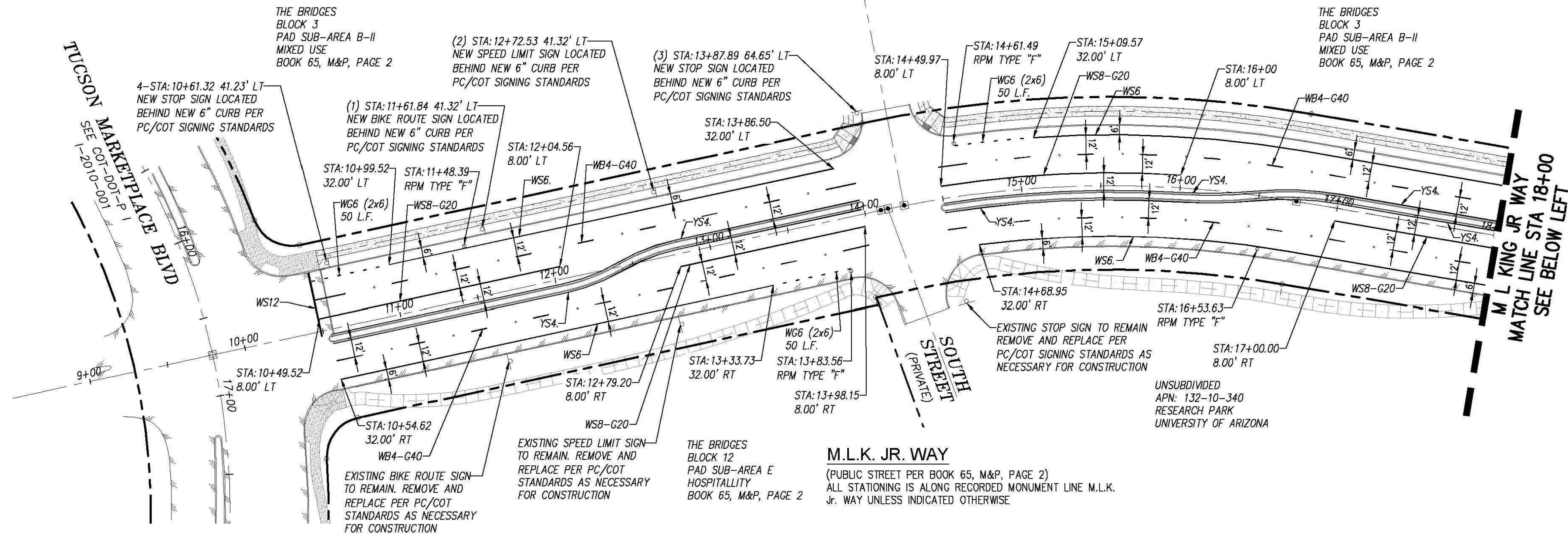
CITY OF TUCSON
 16245 PATRICK W. MARUM
 3/19/19
 Registered Professional Engineer (Civil)
 EXPIRES 09-30-21

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION
M. L. KING JR. WAY
 36TH STREET TO TUCSON MARKETPLACE BLVD

Approvals	Signature	Date
Approved _____	20 _____	9
TRANSPORTATION DIRECTOR		32

REF. XX-XX-XX SCALE: AS SHOWN
 PLAN NO. I-2018-024

DWG. NO. 201818043 - BP Bridges - M.L.K. Jr. Way PIA Dwg Vmp Vlk Way 18043-PIA-12-13.dwg
 XREFS: 18043-BRDR 18043-EXBA_NobblWay 18043-EX-PROP 18043-BA
 USERS: jwilliams DATE: Sep. 20, 2019



PLANNED STRIPPING TABLE						
LINE SERIES	COLOR	DESCRIPTION	WIDTH (IN)	TOTAL LENGTH (FT)	RAISED PAVEMENT MARKER (RPM)	SPACING
WG6	WHITE	GUIDE (2' STRIPE W/6' GAP) - GUIDE LINES FOR BICYCLE LANES ACROSS TURN LANE ENTRANCES	6	550'		
WS6	WHITE	SOLID - LEFT EDGE OF BICYCLE LANE	6	4374'		
WB4-G40	WHITE	BROKEN (10' STRIPE W/30' GAP) - LANE LINE BETWEEN TRAVEL LANES IN THE SAME DIRECTION WHERE CHANGING LANES IS PERMITTED	4	5069'	TYPE "G" (WHITE)	40
WS8-G20	WHITE	SOLID - LANE LINES BETWEEN TRAVEL LANES IN THE SAME DIRECTION WHERE CHANGING LANES IS DISCOURAGED	8	1564'	TYPE "G" (WHITE)	20
WS12	WHITE	SOLID - STOP LINES AT SIGNALIZED INTERSECTIONS AND STOP SIGNS	12	74'		
YS4	YELLOW	SOLID - EDGE LINES TO DELINEATE THE LEFT EDGE OF A DIVIDED ROADWAY, A ONE-WAY ROAD, OR RAMP	4	5234'		

M.L.K. JR. WAY
 (PUBLIC STREET PER BOOK 65, M&P, PAGE 2)
 ALL STATIONING IS ALONG RECORDED MONUMENT LINE M.L.K. JR. WAY UNLESS INDICATED OTHERWISE



Record Document
 Dated: 02/03/2026



STRIPING AND SIGNAGE

NO.	DATE	REVISION	BY	CHKD.	APPR.
1	9/20/19	BUS STOP ADDED, MEDIAN DELETED, MEDIAN OPENINGS CLARIFIED	JHW	PM	



DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

M. L. KING JR. WAY
 36TH STREET TO TUCSON MARKETPLACE BLVD

Approvals	Signatory	Date

Approved: _____ 20__ OF 32

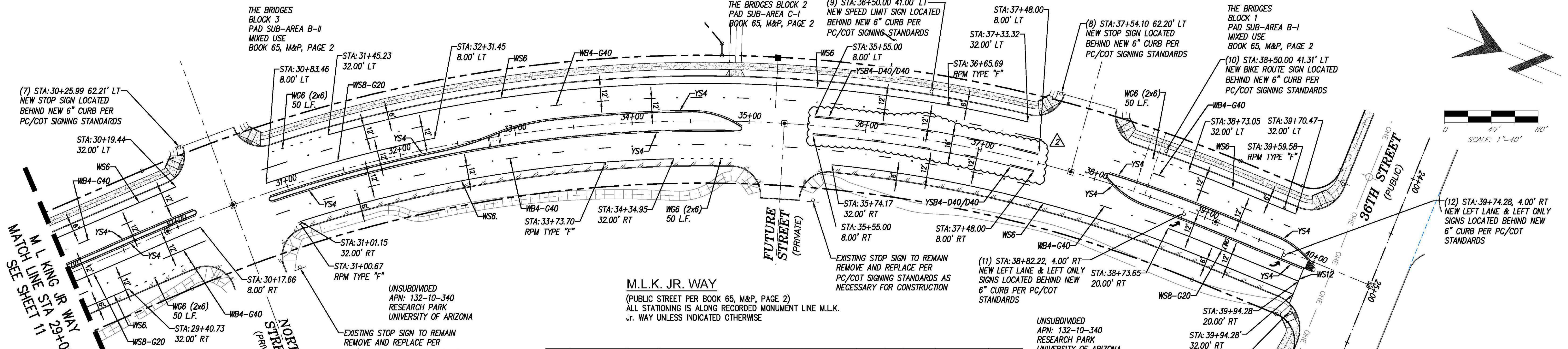
TRANSPORTATION DIRECTOR

REF. XX-XX-XX SCALE: AS SHOWN

PLAN NO. I-2018-024

DRWN. BY JHW 20 19 DSGN. BY PWM 20 19 CHKD. BY PWM 20 19

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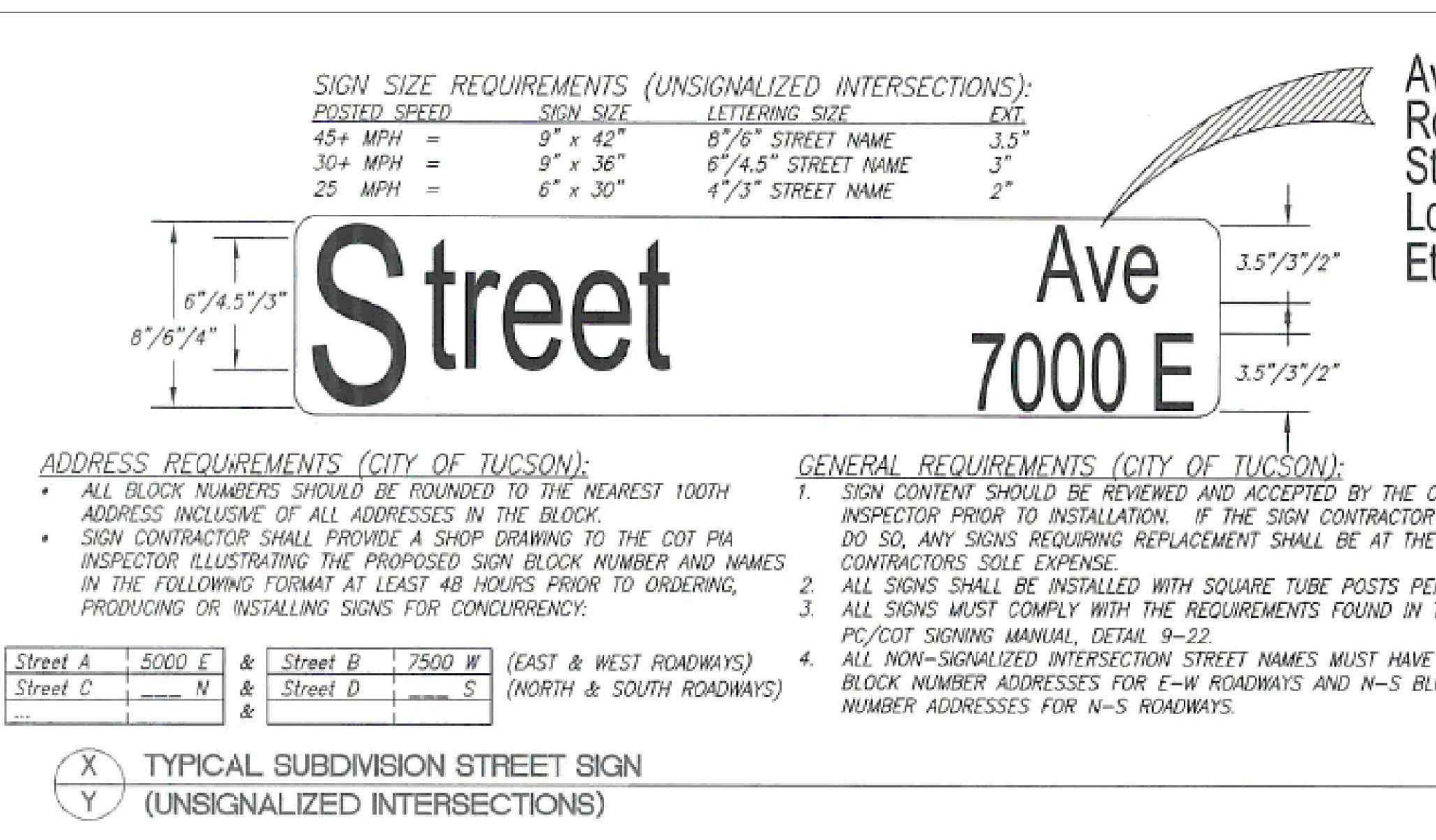
GENERAL NOTES FOR PAVEMENT MARKING PLANS

- ALL PAVEMENT MARKINGS SHALL CONFORM TO PIMA COUNTY/CITY OF TUCSON STANDARDS AND SPECIFICATIONS.
- THE PERMANENT PAVEMENT MARKINGS MAY BE MODIFIED AS DIRECTED BY THE TRAFFIC ENGINEER.
- THE DESIGN SPEED FOR NOBEL WAY IS 30 MPH. THE DESIGN VEHICLE IS WB-67. THE POSTED SPEED LIMIT IS 25 MPH. THE DESIGN VEHICLE IS WB-67.
- ALL LANE DIMENSIONS ARE FROM CENTER OF LANE LINE, CENTER OF DOUBLE LANE LINE, FACE OF CURB, OR EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- THE PAVEMENT MARKING DRAWINGS ARE SCHEMATIC ONLY. THE CONTRACTOR SHALL FOLLOW ALL DIMENSIONS, DETAILS, AND STANDARDS WHEN INSTALLING PAVEMENT STRIPING, MARKINGS AND MARKERS.
- THE FINAL LONGITUDINAL STRIPING SHALL BE 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 PAINT.
- ALL FINAL TRANSVERSE MARKINGS SHALL BE HOT SPRAYED 90 MIL THERMOPLASTIC STRIPING (0.090"). ALL PAVEMENT ARROWS AND LEGENDS SHALL BE HOT SPRAYED 90 MIL THERMOPLASTIC PAVEMENT MARKING (0.090"). EXTRUDED THERMOPLASTIC OR PREFORMED APPLICATIONS MAY BE USED IF APPROVED BY THE TRAFFIC ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LAYOUT AND INSTALLATION OF PAVEMENT MARKINGS ON FINAL SURFACE COURSE FOLLOWING CONTROL POINTS THAT HAVE BEEN SET NO MORE THAN 50 FEET APART ALONG THE LINES TO BE STRIPED. THE LAYOUT AND INSPECTION OF ALL PAVEMENT MARKINGS SHALL BE APPROVED BY THE TRAFFIC ENGINEER PRIOR TO THE APPLICATION OF MATERIALS.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE FINAL SURFACE COURSE IS PLACED SO THAT THE STRIPING IS OFFSET ONE FOOT CLEAR OF THE CONSTRUCTION JOINT, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL CLEAN THE ROADWAY SURFACE TO THE SATISFACTION OF THE 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 SPRAY THERMOPLASTIC STRIPING, NO LESS THAN 40 DEGREES F. FOR THE PLACEMENT OF RPMs.
- ALL RAISED PAVEMENT MARKERS (RPMs) SHALL BE INSTALLED SO THAT THE REFLECTIVE FACE OF EACH MARKER IS FACING THE DIRECTION OF TRAFFIC AND IS PERPENDICULAR TO THE DIRECTION OF TRAFFIC FLOW. TYPE C PAVEMENT MARKERS SHALL BE INSTALLED SO THAT THE CLEAR REFLECTIVE FACE OF EACH MARKER IS FACING APPROACHING TRAFFIC AND PERPENDICULAR TO THE DIRECTION OF TRAFFIC FLOW.
- AT INTERSECTION APPROACHES ON ROADWAYS WITH MEDIANS, TYPE C RPMs SHALL BE PLACED AS PER PCDOT/TDOT STANDARDS OR AS DIRECTED BY THE TRAFFIC ENGINEER.
- ALL REMOVAL OF EXISTING PAVEMENT MARKINGS SHALL BE ACCOMPLISHED IN ACCORDANCE WITH SECTION 701-3.11 OF THE PAG STANDARD SPECIFICATIONS. PAINTING OVER EXISTING STRIPING DOES NOT CONSTITUTE APPROVED STRIPING OBLITERATION.
- THE ENGINEER OF RECORD SHALL BE REQUIRED TO PRODUCE AS-BUILT STRIPING PLANS WITHIN 90 DAYS OF STRIPING COMPLETION.
- BLUE RAISED PAVEMENT MARKERS SHALL BE PLACED ADJACENT TO FIRE HYDRANTS AS SHOWN ON SHEET 7-1 OF THE PCDOT/TDOT PAVEMENT MARKING DESIGN MANUAL.
- FOR ALL CONSTRUCTION, ALL PAVEMENT MARKINGS AND SIGNING SHALL BE INSTALLED AND SHALL BE PAID FOR BY THE PROJECT OWNER/DEVELOPER.
- FINAL INSPECTION/ACCEPTANCE OF PAVEMENT MARKINGS SHALL BE PERFORMED BY THE TRAFFIC ENGINEER.

GENERAL NOTES FOR SIGNAGE

- 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 BLUE STAKE AND FOR INSTALLING ALL TRAFFIC SIGNS IN THE FIELD.
- ALL STREET STRIPING AND SIGNAGE TO BE COORDINATED WITH COT TRAFFIC ENGINEERING. CALL (520)791-4259 A MINIMUM OF 48 HOURS PRIOR TO THE INSTALLATION OR REMOVAL OF ANY SIGNAGE OR STRIPING. ALL REQUIRED STRIPING AND SIGNAGE WILL BE INSTALLED AT THE CONTRACTOR'S EXPENSE. NEW STRIPING TO BE THERMO PLASTIC MATERIAL. USE 2" SQUARE-TUBE POST AND SQUARE TUBE POST FOUNDATIONS FOR SIGNAGE. BARRICADE PLAN MUST BE SUBMITTED TO THE COT TRAFFIC ENGINEERING FOR APPROVAL 48 HOURS IN ADVANCE OF ANY WORK IN PUBLIC RIGHT OF WAY.
- ALL NON-SIGNALIZED INTERSECTION STREET NAMES MUST HAVE E-W BLOCK NUMBER ADDRESSES FOR E-W ROADWAYS AND N-S BLOCK NUMBER ADDRESSES FOR N-S ROADWAYS.
- THE CITY SHALL NOT BE LIABLE FOR ANY ERRORS AND/OR OMISSIONS ON THESE PLANS. ITEMS NOT MEETING THE CITY STANDARDS SHALL BE REPAIRED/REPLACED BY THE DEVELOPER/CONTRACTOR AND AT NO COST TO THE CITY.
- ALL SIGNS SHALL BE IN COMPLIANCE WITH THE 2009 EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, 2002 EDITION OF PIMA COUNTY AND CITY OF TUCSON TRAFFIC SIGNING DESIGN MANUAL, THE CURRENT SUPPLEMENT SPECIFICATIONS, THESE PLANS, AND THE SPECIAL PROVISIONS.
- POST LENGTHS INDICATED ON SIGN SUMMARY SHEETS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY ACTUAL POST LENGTHS.
- ALL PERFORATED POSTS SHALL BE INSTALLED IN A CONCRETE FOUNDATION. SEE 2" SQUARE POST (TELSPAR) DETAIL THIS SHEET.
- STREET NAME SIGNS (D3) SHALL BE FABRICATED USING TYPE II (SUPER ENGINEERING GRADE) SHEETING.
- ON CITY OF TUCSON PROJECTS, ALL WARNING SIGN PANELS SHALL HAVE D63 (DIAMOND GRADE 3). ALL REGULATORY SIGNS SHALL BE HIGH INTENSITY PRISMATIC TYPE IV SHEETING.
- ALL NEW SIGNS SHALL HAVE ALUMINUM BACKING, UNLESS OTHERWISE SPECIFIED.
- 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 (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.

PLANNED SIGNAGE TABLE						
SIGN NO.	STATION	SIGN CODE	LEGEND	W (IN)	H (IN)	POST TYPE
1	11+62, 41' LT	D11-1	BIKE ROUTE	24	18	432 2" SQ. TUBE
2	12+72, 41' LT	R2-1	SPEED LIMIT: 25 MPH	30	36	1080 2" SQ. TUBE
3	13+88, 65' LT	R1-1	STOP	30	30	900
		D3-1	** STREET NAME	VARIES	18	VARIES
4	10+61, 41' LT	D3-1	TUCSON MARKETPLACE BOULEVARD	VARIES	18	VARIES
		R1-1	STOP	30	30	900
5	18+85, 64' LT	D3-1	** STREET NAME	VARIES	18	VARIES
		R1-1	STOP	30	30	900
6	24+38, 65' LT	D3-1	** STREET NAME	VARIES	18	VARIES
		R1-1	STOP	30	30	900
7	30+26, 62' LT	D3-1	** STREET NAME	VARIES	18	VARIES
		R1-1	STOP	30	30	900
8	37+54, 62' LT	D3-1	** STREET NAME	VARIES	18	VARIES
		R1-1	STOP	30	30	900
9	36+50, 41' LT	R2-1	SPEED LIMIT: 25 MPH	30	36	1080 2" SQ. TUBE
		D11-1	BIKE ROUTE	24	18	432 2" SQ. TUBE
10	38+50, 41' LT	R3-5bP	LEFT LANE	30	12	360
		R3-5L	LEFT ONLY	30	36	1080 2" SQ. TUBE
11	38+82, 4' RT	R3-5bP	LEFT LANE	30	12	360
		R3-5L	LEFT ONLY	30	36	1080 2" SQ. TUBE
12	39+74, 4' RT	R3-5bP	LEFT LANE	30	12	360
		R3-5L	LEFT ONLY	30	36	1080 2" SQ. TUBE



ADDRESS REQUIREMENTS (CITY OF TUCSON):

- ALL BLOCK NUMBERS SHOULD BE ROUNDED TO THE NEAREST 100TH ADDRESS INCLUSIVE OF ALL ADDRESSES IN THE BLOCK.
- SIGN CONTRACTOR SHALL PROVIDE A SHOP DRAWING TO THE COT PIA INSPECTOR ILLUSTRATING THE PROPOSED SIGN BLOCK NUMBER AND NAMES IN THE FOLLOWING FORMAT AT LEAST 48 HOURS PRIOR TO ORDERING, PRODUCING OR INSTALLING SIGNS FOR CONCURRENCY:

1. Street A 5000 E & Street B 7500 W (EAST & WEST ROADWAYS)
2. Street C N & Street D S (NORTH & SOUTH ROADWAYS)
3. Street E W & Street F E (EAST & WEST ROADWAYS)

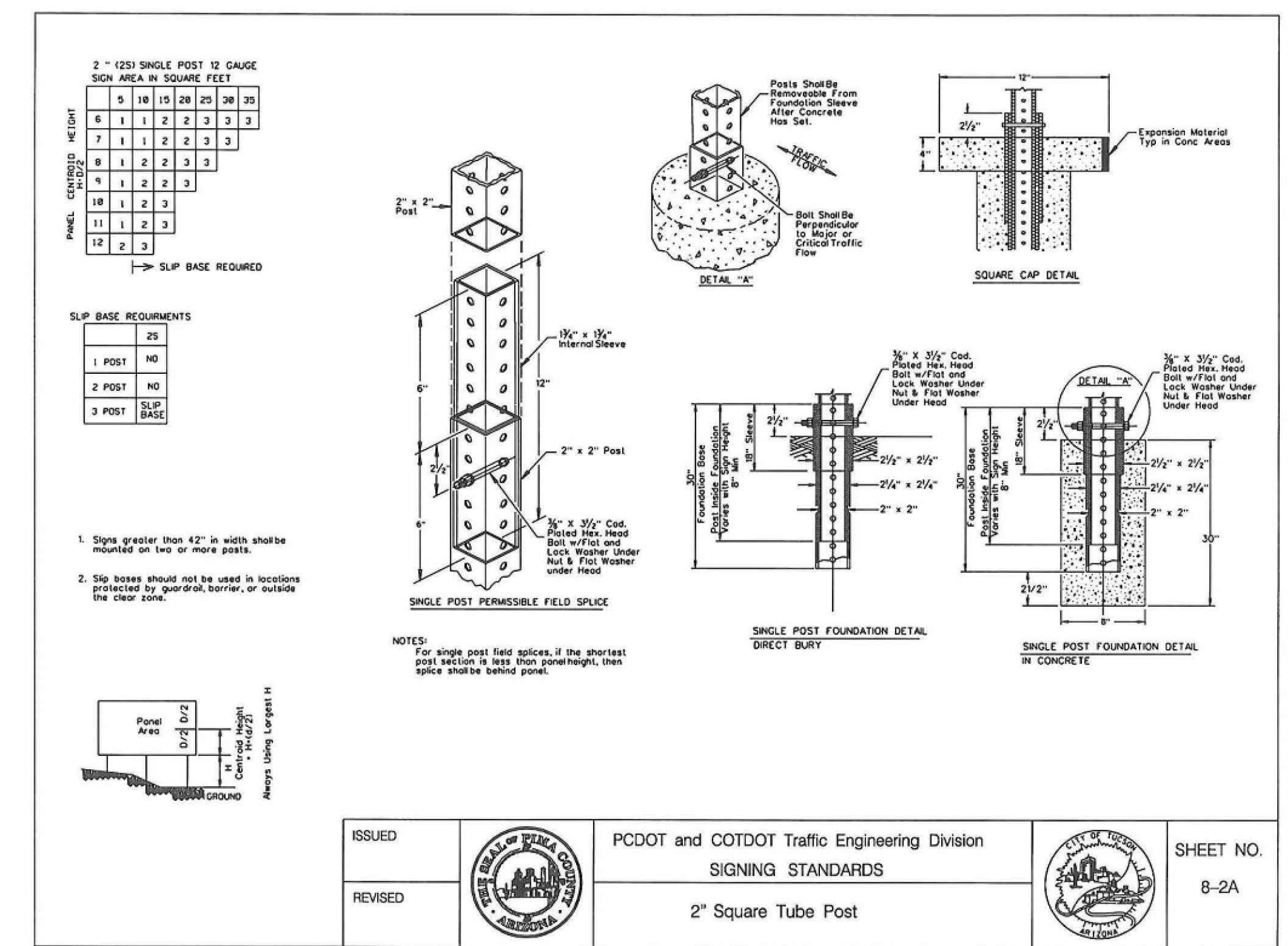
GENERAL REQUIREMENTS (CITY OF TUCSON):

- SIGN CONTENT SHOULD BE REVIEWED AND ACCEPTED BY THE COT PIA INSPECTOR PRIOR TO INSTALLATION. IF THE SIGN CONTRACTOR FAILS TO DO SO, ANY SIGNS REQUIRING REPLACEMENT SHALL BE AT THE CONTRACTOR'S SOLE EXPENSE.
- ALL SIGNS SHALL BE INSTALLED WITH SQUARE TUBE POSTS PER SD 8-2A.
- ALL SIGNS MUST COMPLY WITH THE REQUIREMENTS FOUND IN THE PC/COT SIGNING MANUAL, DETAIL 9-22.
- ALL NON-SIGNALIZED INTERSECTION STREET NAMES MUST HAVE E-W BLOCK NUMBER ADDRESSES FOR E-W ROADWAYS AND N-S BLOCK NUMBER ADDRESSES FOR N-S ROADWAYS.

TYPICAL SUBDIVISION STREET SIGN (UNSIGNALIZED INTERSECTIONS)

NO. DATE REVISION BY CHKD. APPR.

9/20/19	BUS STOP ADDED, MEDIAN DELETED, MEDIAN OPENINGS CLARIFIED	JHW	PM
---------	---	-----	----



ISSUED: PCDOT and COTDOT Traffic Engineering Division
 REVISIONS: SIGNING STANDARDS
 SHEET NO. 8-2A
 2" Square Tube Post

Professional Engineer (PE) Seal: PATRICK W. MARUM, No. 16245, Expires 09-30-21

Record Document Dated: 02/03/2026

CITY OF TUCSON

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

M. L. KING JR. WAY
 36TH STREET TO TUCSON MARKETPLACE BLVD

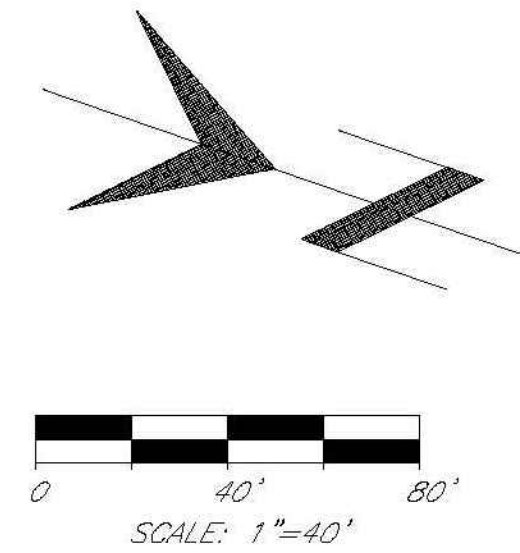
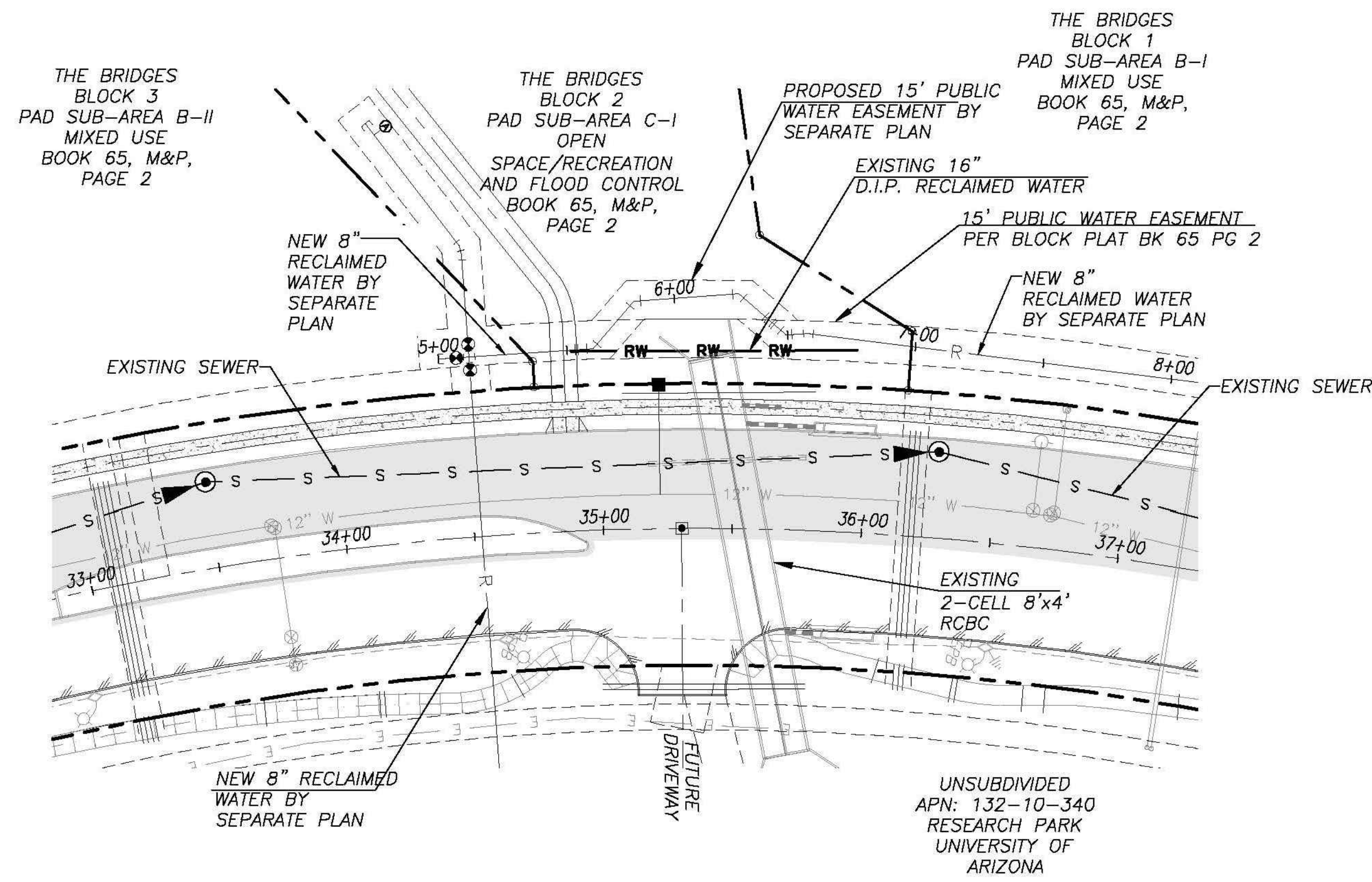
Approvals	Signature	Date

Approved: _____ 20__ 13 OF 32

TRANSPORTATION DIRECTOR

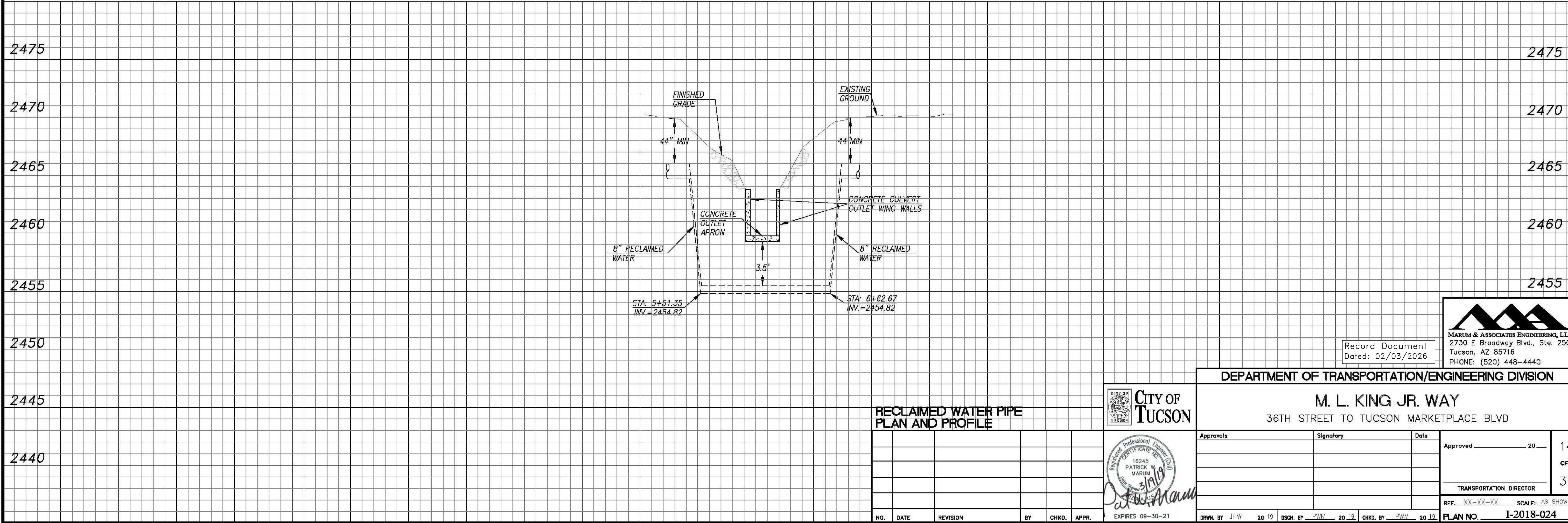
REF. XX-XX-XX SCALE: AS SHOWN
 PLAN NO. I-2018-024

DWG: N:\2018\18043 - BP Bridges - MLK Jr. Way PIA Dwg\Imp\MLK WAY\18043-PIA-14.dwg
 XREFS: 18043-BRID 18043-EBA_NobleWay 18043-EX-PROP
 USER: jwilliams DATE: Sep 20, 2019



RECLAIMED WATER PIPE
 All Stationing is Along the RECLAIMED WATERMAIN @
 Unless Indicated Otherwise

4+00 5+00 6+00 7+00 8+00



Record Document
 Dated: 02/03/2026

MARUM & ASSOCIATES ENGINEERING, LLC
 2730 E Broadway Blvd., Ste. 250
 Tucson, AZ 85716
 PHONE: (520) 448-4440

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

M. L. KING JR. WAY
 36TH STREET TO TUCSON MARKETPLACE BLVD

**RECLAIMED WATER PIPE
 PLAN AND PROFILE**

NO.	DATE	REVISION	BY	CHKD.	APPR.

CITY OF TUCSON

Professional Engineer (Civil)
 16245
 PATRICK W. MARUM
 3/19/19
 EXPIRES 09-30-21

Approvals	Signatory	Date	Approved	OF

TRANSPORTATION DIRECTOR

REF: XX-XX-XX SCALE: AS SHOWN

PLAN NO. **I-2018-024**

LIGHTING NOTES

- All equipment/materials and construction shall meet or exceed the requirements contained in the current PAG "Standard Specifications for Public Improvements" and "Standard Details for Public Improvements", and the Supplemental Specifications provided in these plans. "Standard Specifications for Public Improvements" and "Standard Details for Public Improvements", and the Supplemental Specifications provided in these plans.
- The exact location of each street light pole, pull boxes, cabinet, ground rods, and conduit runs shall be approved by the Engineer prior to excavation and installation.
- Each pole shall be connected per the circuit designation indicated on the plans.
- The Contractor is responsible for locating all utilities whether shown on the plans or not and shall protect them from damage.
- Pull boxes shall be pre-cast reinforced concrete, with flared walls, modified so that the lids can be secured with through bolts. All pull boxes shall be installed with a 6-inch concrete collar per PC/COT Std Dtl T 106.
- Conduit locations shown on the plans are schematic. The Contractor should locate the conduit to avoid conflicts with other utilities, landscaping, and monument signing.
- The street light load center cabinet shall be metered, Myers MEUG461-M100-AZ, 240/480V, 1-phase, 3 wire, 100A. Provide appropriate circuit breakers.
- The Contractor shall complete and submit the application for electrical service for the new street lighting, and the Contractor shall pay all associated costs/fees for establishing electrical service.
- Street Lighting Equipment:**

36th Street:

Luminaire - American Electric Lighting LED, Autobahn Series ATB2 60 LED 480V, Type III, 3000K CCT luminaire (order no. ATB2 60B LED E10480R33KN P7). Each luminaire shall include a 7-pin photocontrol receptacle with Acuity Brands ROAM Communication Photocontrol (model 04-00015-007480VAC 50/60 HZ REN480DVXAOG).

Pole - Refer to Summary Table.

ML King Jr. Way:

Luminaire - Pacific Electric, Model HGL 100W LED 240V, 3000K, Type III distribution, flat glass lens, custom gray finish (RAL #7012). Each luminaire shall have a 10-year warranty and include a 7-pin photocontrol receptacle with photocell.

Pole - Cooper Lighting, LMA1028-XG (mast arm), RTS8A35SP (35' pole), custom gray finish (RAL #7012).

LEGEND

- New Metered Street Light Load Center Cabinet
- New Transformer
- No 7 Pull Box W/Extension; Lid Etching - "Street Lighting" or "Traffic Signal"
- No 7 Pull Box; Lid Etching - "Street Lighting" or "Traffic Signal"
- No 3 1/2 Pull Box; Lid Etching - "Street Lighting"
- New Street Light Conduit (Size as Noted)
- New Street Light
- New Street Light
- New Ground Rod
- Exist Street Light
- Exist Street Light

GENERAL CONSTRUCTION NOTES

- Utility locations shown on plans were compiled based on the best information available. Utility locations are not intended to be exact or complete. Two (2) full working days prior to commencing construction, the Contractor shall contact Blue Stake, 1-800-782-5348, to verify the location of all utilities with the appropriate organizations. Field adjustments for the placement of conduit, pull boxes, street light pole foundations, and street light poles, as directed by the Engineer, shall be used to avoid conflicts with existing underground or overhead utilities. The Contractor shall pothole utilities as needed or as directed by the Engineer to verify locations. This work shall be considered incidental to the other related items of work.
- 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.
- At pole foundations close to existing water mains, maintain a minimum of five (5) feet horizontal distance from outside of foundation to the outside of pipe. Minimum horizontal separation between existing water mains and electrical conduit is five (5) feet from outside water line to outside of electric conduit. Minimum vertical separation is one (1) foot from outside water line to outside electrical conduit.
- Contractor shall pothole existing water mains behind curb prior to street light pole foundation work. This work shall be considered incidental to the pole foundation work.
- For ground rods and pole foundations close to existing sanitary sewer, maintain a minimum of two (2) feet horizontal distance from outside of foundation to the outside of sanitary sewer pipe. The Contractor shall pothole to verify sewer location prior to foundation excavation. Note clearance information provided on the plans.
- The City shall not be held liable or responsible for any errors and or omissions on these plans. Items not meeting City standards shall be repaired or replaced at no cost to the City.
- Minimum horizontal and vertical separation between existing gas distribution facilities such as gas lines and the new street lighting conduit, pull boxes, ground rods, and pole foundations shall be one (1) foot.
- The Contractor shall exercise extreme caution when excavating near all Southwest Gas facilities. The Contractor shall support and/or protect in place all gas distribution and service facilities that are exposed during the installation of the lighting improvements associated with the project.
- Minimum horizontal and vertical separation between existing communication distribution facilities and the new street lighting conduit, pull boxes, ground rods, and pole foundations shall be one (1) foot.
- The Contractor shall use extreme caution when excavating near all communication facilities. The Contractor shall support and/or protect in place all existing communication distribution facilities that are exposed during the installation of the lighting improvements associated with the project.
- The Contractor's attention is directed to A.R.S. 40-360.41 thru 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 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 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 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.
- The Contractor shall exercise caution when excavating in the vicinity of sanitary sewer lines. Immediately report any release of sewage, and/or any damage to, or the dropping of debris into, the public sanitary sewage conveyance system, to either PCRWRD Field Engineering (520 740-2651) or PCRWRD Field Operations (520 326-4333). On weekends, holidays, or between 5:00 p.m. and 8:00 a.m., immediately call the Pima County Sheriff's Communication Center at 520 295-4595 or 520 791-4911 and request a PCRWRD Representative be dispatched to the site. Take immediate action to prevent or contain the sanitary sewage overflow (SSO) from the sewer system. The Contractor shall be responsible for all costs to repair the sewer system, for all expenses to mitigate the release and to disinfect the release area, and for any regulatory penalties levied on PCRWRD because SSO entered a natural or constructed storm water drainage system. The Contractor shall repair all damage as directed and approved by PCRWRD Field Engineering Manager.

STREET LIGHT SUMMARY TABLES

36th Street					
SL No.	Sta	Offset	Circuit No.	Pole	Foundation*
1	12+82	43.6' Rt	1	2B	C
2	14+23	43.6' Rt	1	2B	C
3	15+65	44.6' Rt	1	2B	C
4	17+06	44.5' Rt	1	2B	C
5	18+48	44.3' Rt	1	2B	C
6	19+90	44.4' Rt	1	2B	C
7	21+30	44.4' Rt	1	2B	C
8	22+72	70.0' Rt	1	2B	C
9	24+35	64.8' Rt	2	G W/20' Luminaire Mast Arm	Std Dtl T 407**
10	24+45	75.3' Rt	2	F W/20' Luminaire Mast Arm	Std Dtl T 406***
11	25+58	57.9' Rt	2	R W/20' Luminaire Mast Arm	Std Dtl T 413***
12	26+98	44.6' Rt	2	2B	C
13	28+38	44.6' Rt	2	2B	C
14	29+71	43.7' Rt	2	2B	C
15	31+18	43.5' Rt	2	2B	C
16	32+64	43.4' Rt	2	2B	C
17	34+06	43.3' Rt	2	2B	C
18	35+28	45.3' Rt	2	2B	C

ML King Jr. Way					
SL No.	Sta	Offset	Circuit No.	Pole	Foundation
19	12+16	52.7' Lt	3	35' Cooper Lighting	Dtl SLD
20	13+59	52.9' Lt	4	35' Cooper Lighting	Dtl SLD
21	15+76	52.6' Lt	3	35' Cooper Lighting	Dtl SLD
22	17+61	52.4' Lt	4	35' Cooper Lighting	Dtl SLD
23	19+63	52.9' Lt	3	35' Cooper Lighting	Dtl SLD
24	21+16	52.4' Lt	4	35' Cooper Lighting	Dtl SLD
25	23+17	52.8' Lt	3	35' Cooper Lighting	Dtl SLD
26	25+25	52.4' Lt	4	35' Cooper Lighting	Dtl SLD
27	26+90	52.7' Lt	3	35' Cooper Lighting	Dtl SLD
28	28+50	52.3' Lt	4	35' Cooper Lighting	Dtl SLD
29	30+13	52.7' Lt	3	35' Cooper Lighting	Dtl SLD
30	31+96	52.6' Lt	4	35' Cooper Lighting	Dtl SLD
31	33+75	52.6' Lt	3	35' Cooper Lighting	Dtl SLD
32	35+62	52.7' Lt	4	35' Cooper Lighting	Dtl SLD
33	37+01	52.8' Lt	3	35' Cooper Lighting	Dtl SLD
34	38+68	52.4' Lt	4	35' Cooper Lighting	Dtl SLD

* Refer to Foundation Notes
 ** Refer to Construction Note F
 *** Refer to Construction Note G

Record Document
 Dated: 02/03/2026

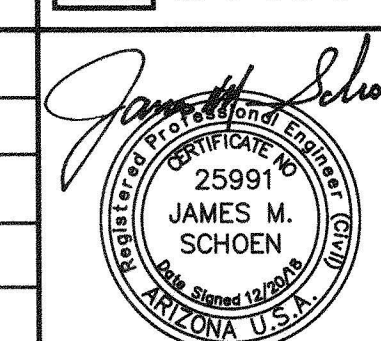
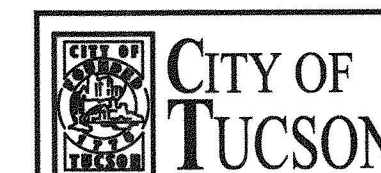


2 E CONGRESS STREET, SUITE 705
 TUCSON, AZ 85701
 P 520.544.4067 F 520.544.9616

STREET LIGHTING NOTES
 DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

36TH STREET; PARK AVE TO KINO PKWY
 ML KING JR. WAY; TUCSON MARKETPLACE TO 36TH STREET

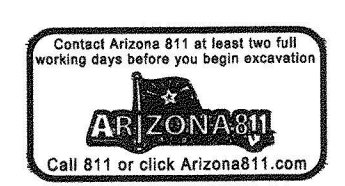
Jim Schoen Jim Schoen
 Dec 21 2018 8:11 AM



Approvals	Signatory	Date	Approved _____ 20__	15
				OF
				32
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REF. XX-XX-XX SCALE: AS SHOWN				
PLAN NO. I-2018-007				

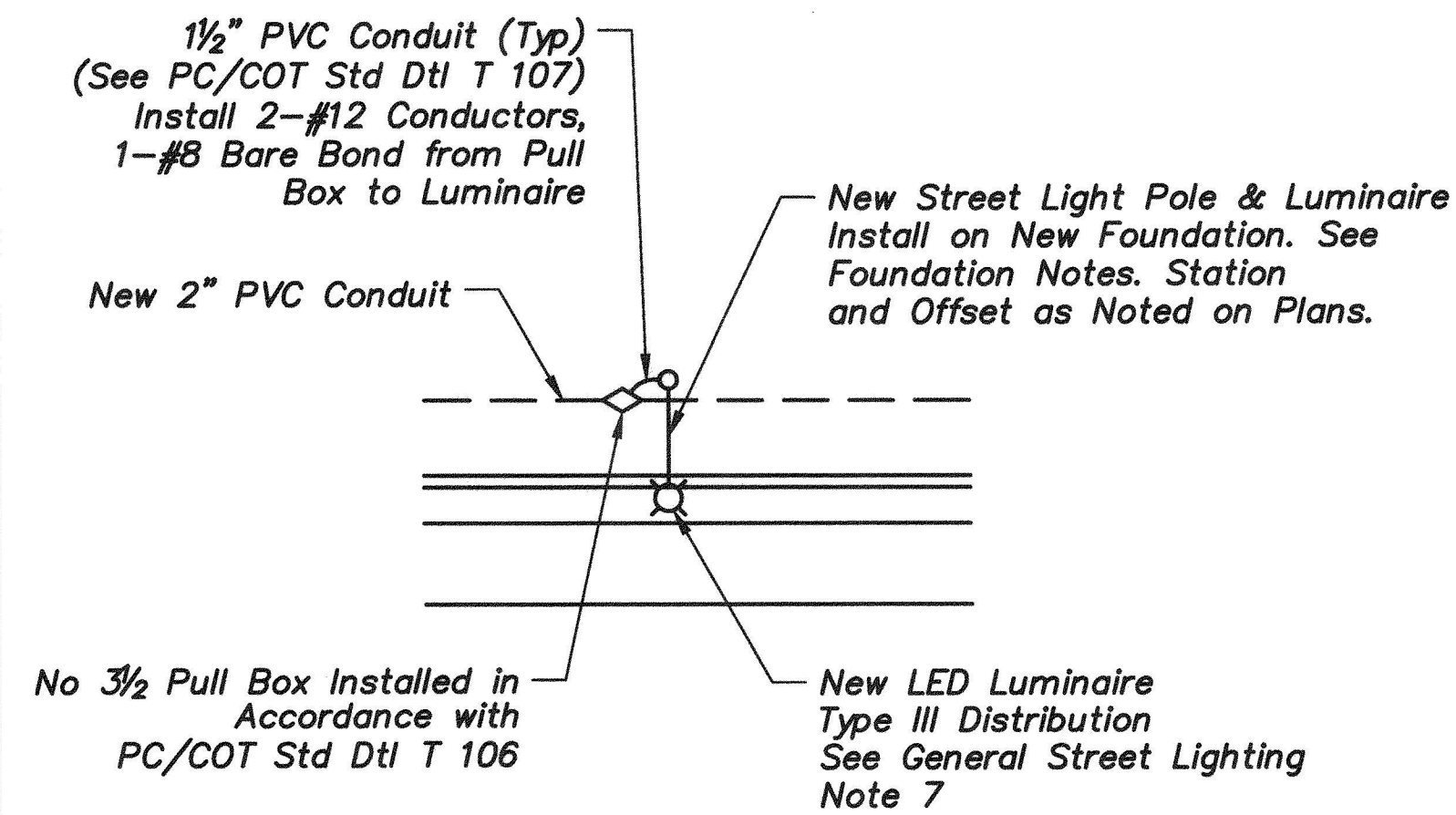
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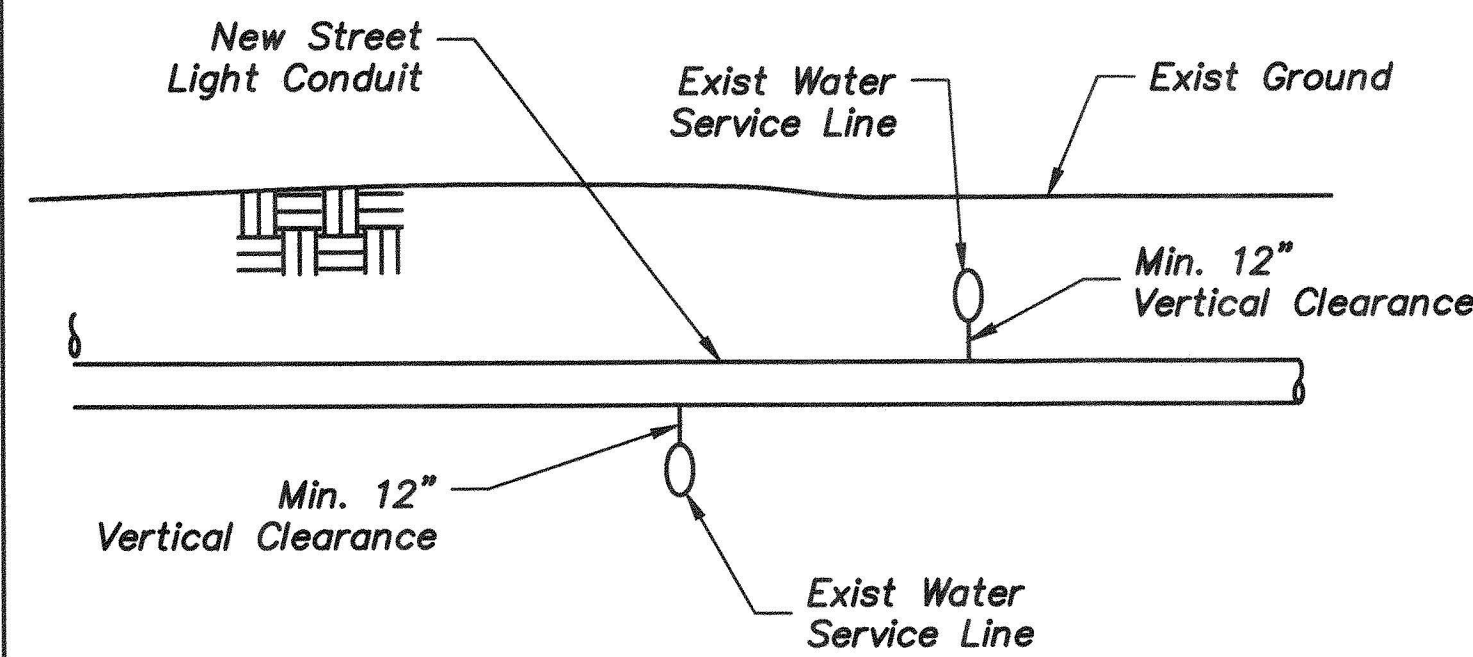
DETAIL SLA

STREET LIGHT AND CONDUIT INSTALLATION
N.T.S.



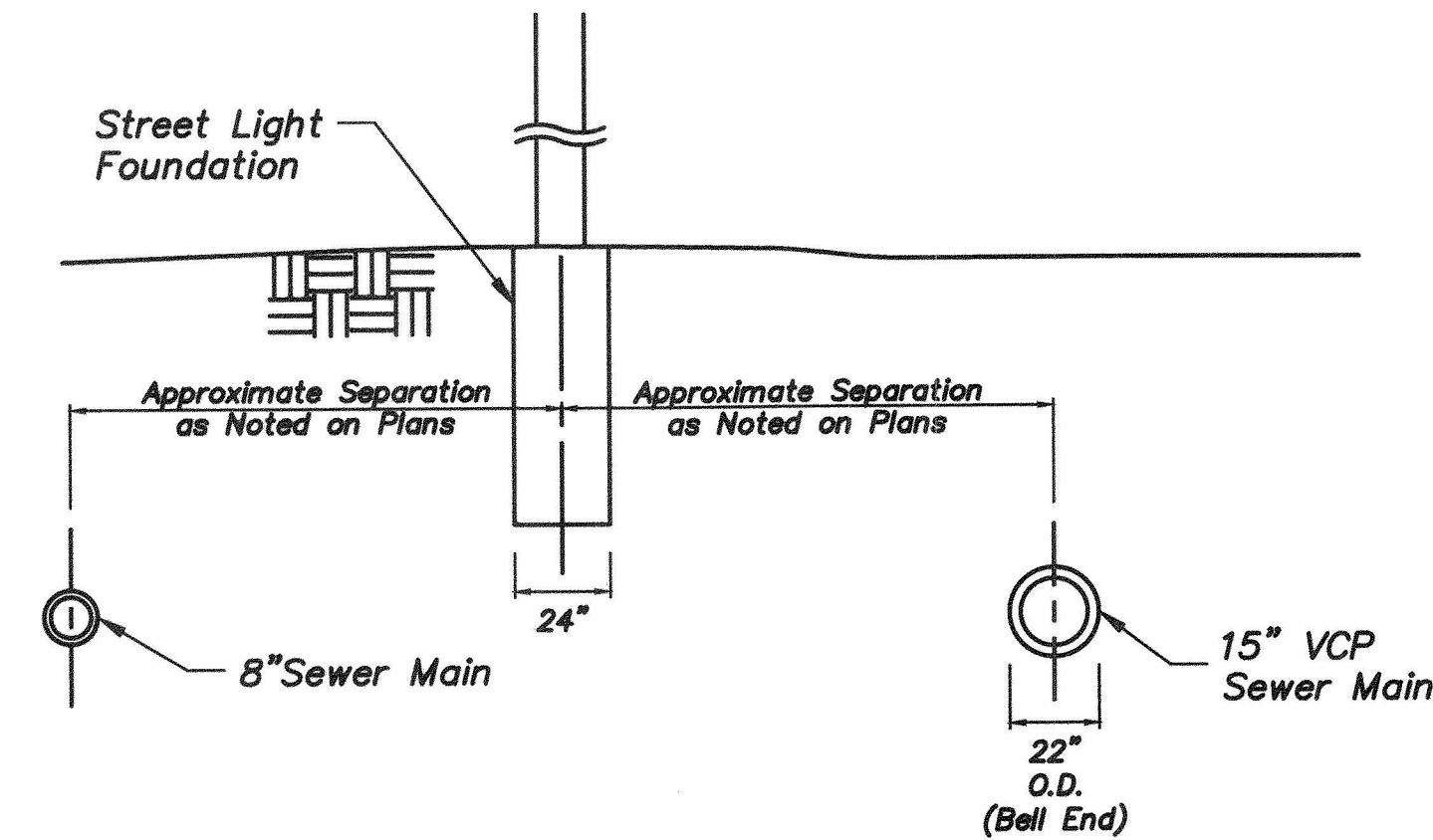
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CONDUIT CROSSING WATER SERVICE LINES
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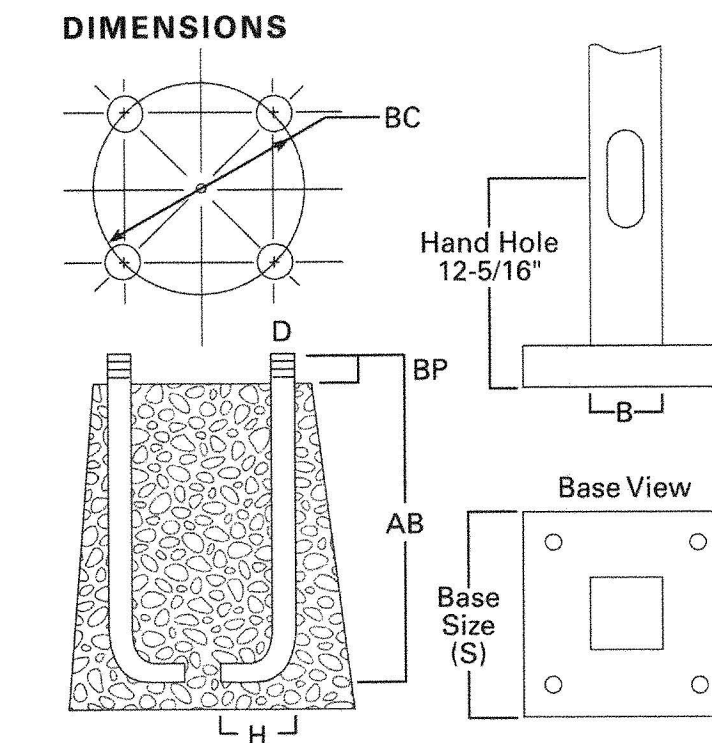
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36TH STREET LIGHTING POLE FOUNDATION
LOCATION RELATIVE TO EXISTING SEWER MAINS
N.T.S.



DETAIL SLD

COOPER LIGHTING POLE FOUNDATION
N.T.S.



Refer to Foundation Notes 2, 3, and 4 for additional requirements. Dimensions provided below.

FOUNDATION NOTES

- The following foundations are applicable for the Type 2B Street Light Pole. The foundations specified in the Street Light Summary Table (Type C) should be used unless conditions require use of an alternate. Use of an alternate shall be approved by the City of Tucson Electrical Inspector and Pima County Regional Wastewater Reclamation Department:
 - Standard foundation per PC/COT Std Dtl T 445. The excavation shall be two feet six inches (2'-6") in diameter and six (6) feet in depth. The anchor bolts shall be one and one-quarter (1-1/4) inch by sixty-six (66) inches by four (4) inches, or replaced by a steel-reinforcing cage twenty-four (24) inches in diameter by sixty-six (66) inches in depth. With the use of the reinforcing cage, the anchor bolts shall be one and one-quarter (1-1/4) inch by forty-four (44) inches by four (4) inches.
 - The excavation shall be three (3) feet in diameter and five (5) feet in depth. The anchor bolts shall be one and one-quarter (1-1/4) inch by forty-four (44) inches by four (4) inches.
 - The excavation shall be two (2) feet in diameter and seven (7) feet in depth. The anchor bolts shall be one and one-quarter (1-1/4) inch by seventy-eight (78) inches by four (4) inches, or replaced by a steel-reinforcing cage eighteen (18) inches in diameter by seventy-eight (78) inches in depth. With the use of the reinforcing cage, the anchor bolts shall be one and one-quarter (1-1/4) inch by forty-four (44) inches by four (4) inches.
 - Spread foundation per PC/COT Std Dtl T 433. The anchor bolts shall be one and one-quarter (1-1/4) inch by twenty-four (24) inches by six (6) inches.
- The foundation depth shall be measured from the point of undisturbed earth. Grading around new foundations shall be provided to divert drainage.
- The back fill and grading around the pole foundation shall be incidental to the foundation.
- Foundations shall include a twenty-five (25) foot coil of #4 AWG bare copper conductor bonded to pole at the handhole with three-eighths (3/8) inch diameter bolt and ground clamp shall be installed prior to placement of concrete in foundation. For spread foundations, the coil shall be twenty (20) feet in length.

AVERAGE MAINTAINED LUMINANCE DESIGN VALUES

Luminance	Min. Average Luminance	Uniformity Ave/Min
Design Criteria*	0.4	4.0
Designed (EB 36th St)	1.04	2.6
Designed (WB 36th St)	0.82	4.1
Designed (ML King Jr. Way)	1.02	5.1

*Per RP8-14 Street Lighting Guidelines

STREET LIGHTING CIRCUIT SUMMARY

Circuit No.	Voltage	Amp (% V Drop)
Ckt 1	480	3.1 (1.3%)
Ckt 2	480	3.1 (1.1%)
Ckt 3	240	5.4 (4.5%)
Ckt 4	240	5.4 (4.1%)
Total Load		17.0 Amp

Effective Projected Area (At Pole Top)

Mounting Height (Feet)	Catalog Number 1,2	Wall Thickness (Inches)	Base Square 2	Bolt Circle Diameter (Inches)	Anchor Bolt Projection 3	Shaft Taper 4 (Inches)	Anchor Bolt Diameter x Length x Hook (Inches)	Net Weight (Pounds)	Maximum Effective Projected Area (Square Feet) 5				Max. Fixture Load - Includes Bracket (Pounds)
									80 mph	90 mph	100 mph	110 mph	
20	RTS6A20S	0.120	10-1/2	11	4-1/2	6.3 x 3.5	3/4 x 25 x 3	145	19.6	15.0	11.6	9.5	100
25	RTS7A25S	0.120	10-1/2	11	4-1/2	7.0 x 3.5	3/4 x 25 x 3	187	14.7	11.0	8.6	6.8	200
30	RTS8A30S	0.120	12-1/2	12-1/2	5	7.7 x 3.5	1 x 36 x 4	254	18.0	13.5	10.5	8.4	300
35	RTS8A35S	0.120	12-1/2	12-1/2	5	8.4 x 3.5	1 x 36 x 4	305	16.1	11.9	9.1	7.2	300
35	RTS9D35S	0.180	12-1/2	12-1/2	5	8.4 x 3.5	1 x 36 x 4	452	20.5	15.4	12.0	9.6	300
39	RTS9A39S	0.120	12-1/2	12-1/2	5	8.9 x 3.5	1 x 36 x 4	347	14.5	10.7	8.1	6.2	300
39	RTS9D39S	0.180	12-1/2	12-1/2	5	8.9 x 3.5	1 x 36 x 4	516	16.9	12.5	9.6	7.5	300
45	RTS0A45S 6	0.120	13-1/2	13-1/2	5	10.2 x 4.2	1 x 36 x 4	466	14.5	10.1	7.7	5.8	300
45	RTS0D45S 6	0.180	13-1/2	13-1/2	6	10.2 x 4.2	1-1/4 x 42 x 6	670	27.0	20.5	16.1	13.0	300
50	RTS0A50S 6	0.120	13-1/2	13-1/2	5	10.2 x 3.5	1 x 36 x 4	490	7.4	4.9	3.3	2.2	400
50	RTS0D50S 6	0.180	13-1/2	13-1/2	6	10.2 x 3.5	1-1/4 x 42 x 6	704	19.8	14.7	11.2	8.6	400

Record Document
Dated: 02/03/2026

KITTELSON & ASSOCIATES

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

STREET LIGHTING DETAILS

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

36TH STREET; PARK AVE TO KINO PKWY
ML KING JR. WAY; TUCSON MARKETPLACE TO 36TH STREET

NO.	DATE	REVISION	BY	CHKD.	APPR.

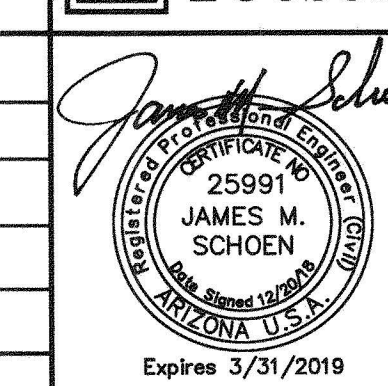
Approvals	Signature	Date

Approved _____ 20__ 16 OF 32

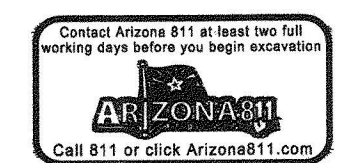
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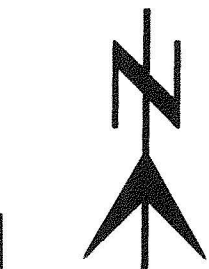
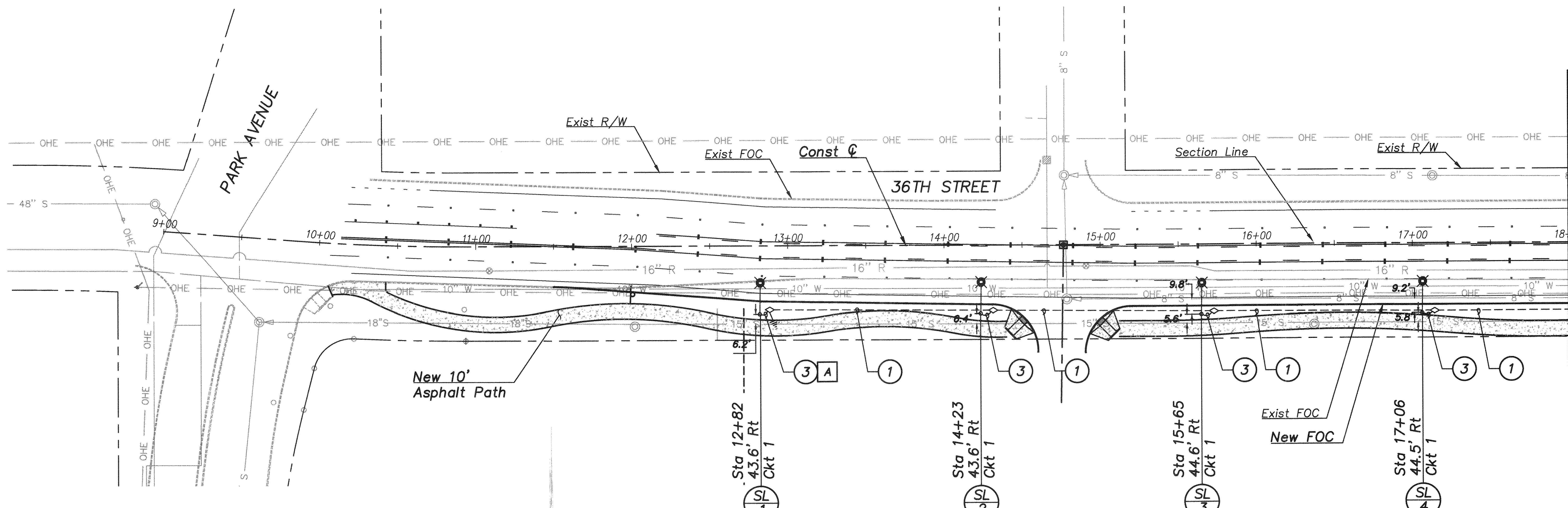
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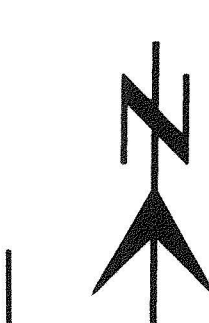
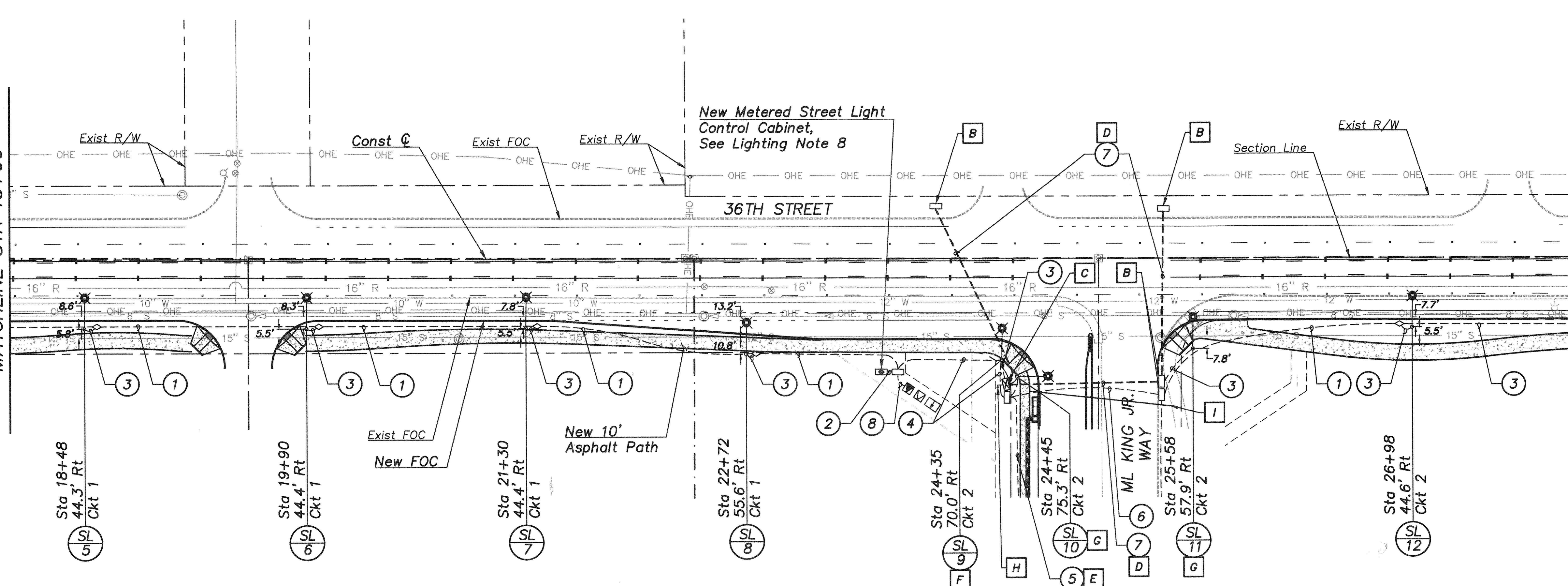


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MATCHLINE STA 18+00
SEE BELOW LEFT



MATCHLINE STA 28+00
SEE SHEET SLO4

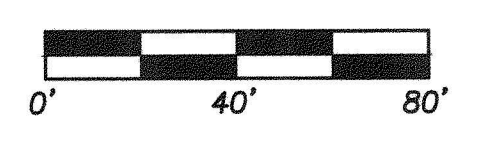
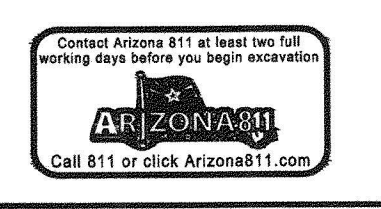
Conduit/Conductors

- ① (1)-2" Conduit W/
(2)-#10 Conductors
(1)-#8 Bare Bond
- ② (1)-2" Conduit W/
(4)-#8 Conductors
(1)-#8 Bare Bond
- ③ (1)-2" Conduit W/
(2)-#12 Conductors
(1)-#8 Bare Bond
- ④ (1)-2" Conduit W/
(2)-#10 Conductors
(4)-#6 Conductors
(1)-#8 Bare Bond
- ⑤ (1)-2" Conduit W/
(4)-#6 Conductors
(1)-#8 Bare Bond
- ⑥ (1)-4" Conduit W/
(2)-#10 Conductors
(1)-#8 Bare Bond
- ⑦ (2)-4" Conduit W/
Traceable 2500lb
Pull Rope
- ⑧ (1)-2 1/2" Conduit
Conductors by TEP

Construction Notes

- A Install Ground Rod
In PB
- B Install No. 7 PB
For Future Traffic Signal
- C Install No. 7 PB W/Ext
For Future Traffic Signal
- D Install Conduit
For Future Traffic Signal
- E 240 V Circuit To Lighting
On West Side Of M L King
Jr. Way. Refer To Sht SLO5
- F Install (2) 2" Conduits In
Pole Foundation. Run One
To Street Light PB And One
To Traffic Signal PB
- G Install (1) 2" Conduit And
(1) 3" Conduit In Pole
Foundation. Run 2" Conduit
To Street Light PB And 3"
Conduit To Traffic Signal PB
- H Install 2 1/2" Conduit Stub Out
From Traffic Signal PB
- I Install 4" Sleeve For Future
Electrical

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Dated: 02/03/2026

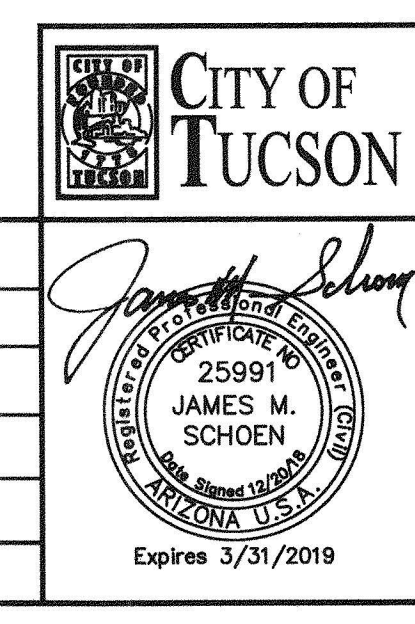


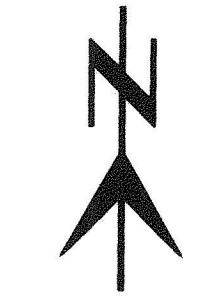
2 E CONGRESS STREET, SUITE 705
TUCSON, AZ 85701
P 520.544.4067 F 520.544.9616

STREET LIGHTING
DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

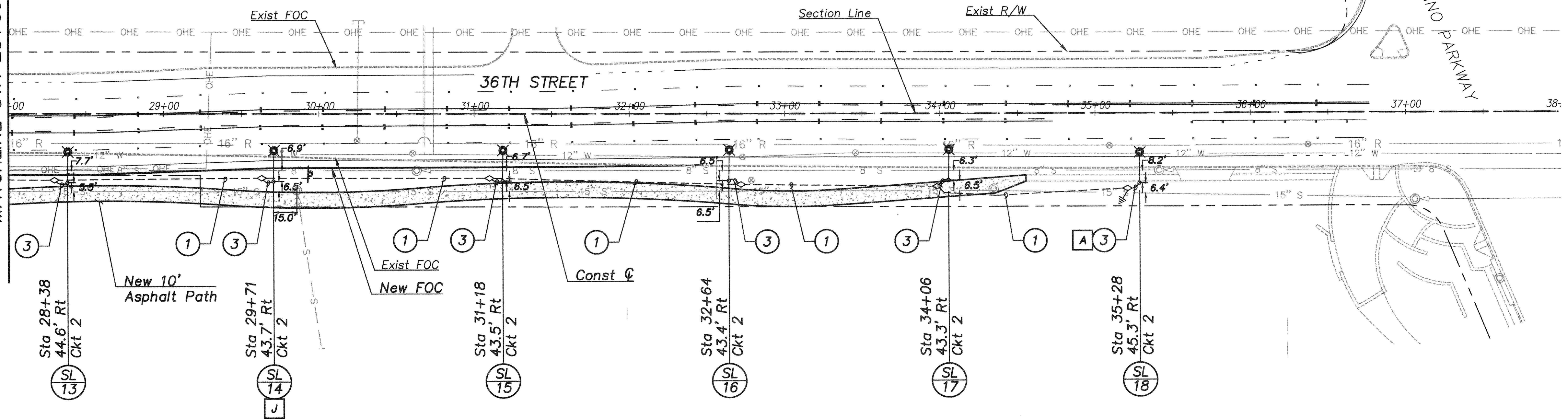
36TH STREET PARK AVE TO KINO PKWY		
Approvals	Signatory	Date
	<i>James M. Schoen</i>	
Approved _____ 20__		17
		OF
		32
TRANSPORTATION DIRECTOR		
REF. XX-XX-XX SCALE: AS SHOWN		
DRWN. BY DJG 20 18	DSGN. BY LMW 20 18	CHKD. BY JMS 20 18
PLAN NO. I-2018-007		

NO.	DATE	REVISION	BY	CHKD.	APPR.





SEE SHEET SLO3
MATCHLINE STA 28+00



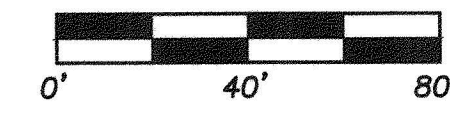
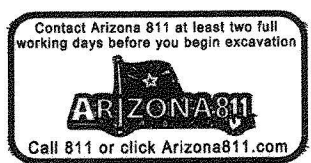
Conduit/Conductors

- ① (1)-2" Conduit W/
(2)-#10 Conductors
(1)-#8 Bare Bond
- ③ (1)-2" Conduit W/
(2)-#12 Conductors
(1)-#8 Bare Bond

Construction Notes

- A Install Ground Rod
In PB
- J Min 15' Center Of Pole
Foundation To Center Of
Sewer Manhole

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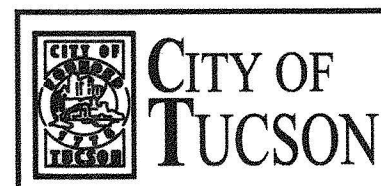


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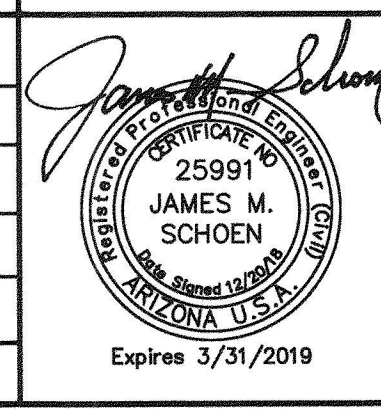
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STREET LIGHTING
DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION



36TH STREET
PARK AVE TO KINO PKWY

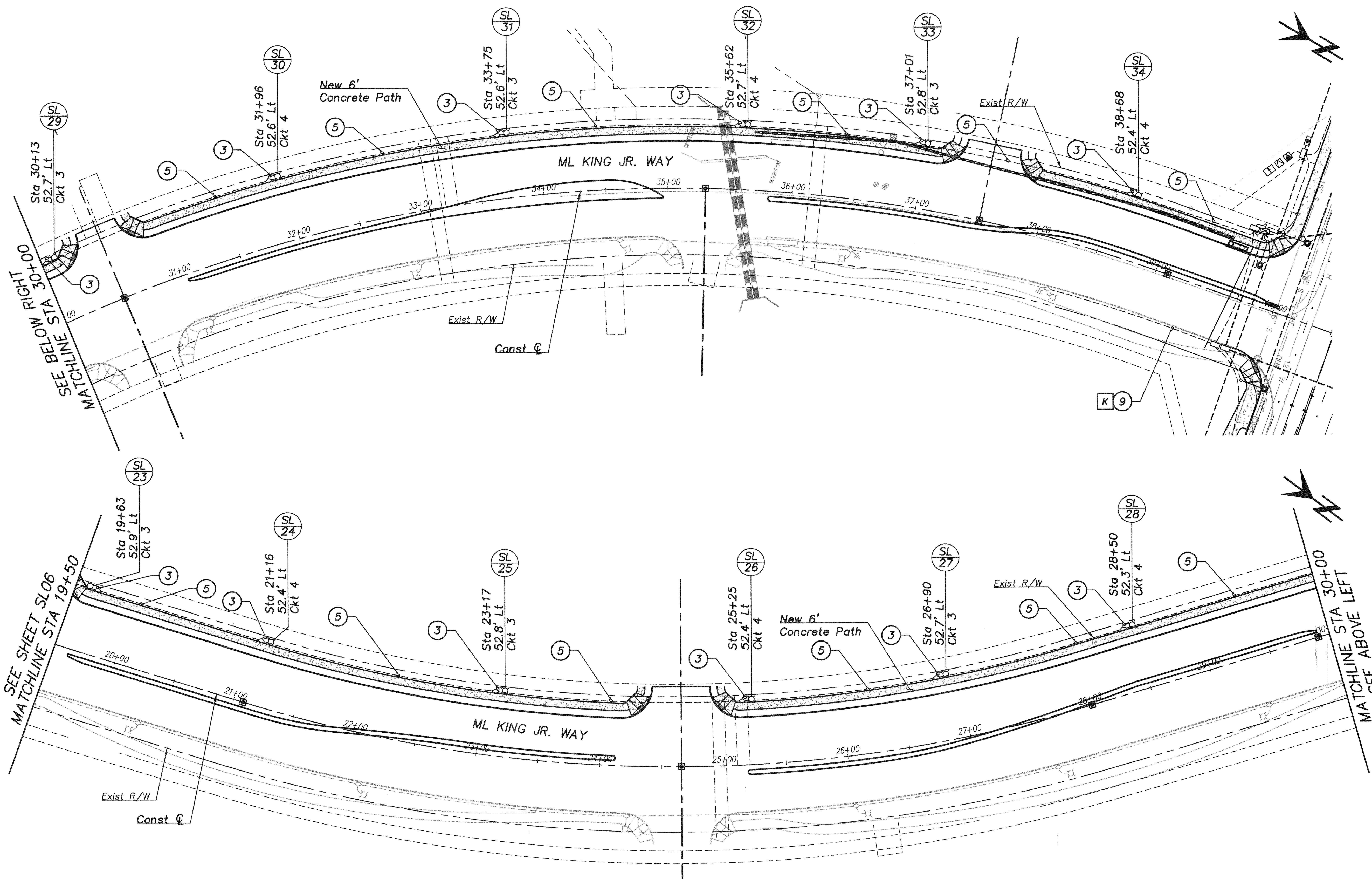
NO.	DATE	REVISION	BY	CHKD.	APPR.



Approvals	Signatory	Date

Approved _____ 20__ OF 32
TRANSPORTATION DIRECTOR
REF. XX-XX-XX SCALE: AS SHOWN
DRWN. BY DJG 20.18 DSON. BY LMW 20.18 CHKD. BY JMS 20.18 PLAN NO. I-2018-007

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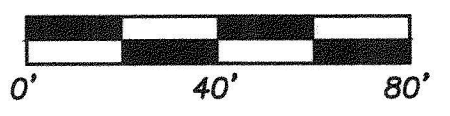
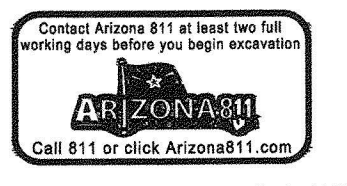


Conduit/Conductors

- (3) (1)-2" Conduit W/
(2)-#12 Conductors
(1)-#8 Bare Bond
- (5) (1)-2" Conduit W/
(4)-#6 Conductors
(1)-#8 Bare Bond
- (9) (1)-2" Conduit W/
Traceable 2500lb
Pull Rope

Construction Notes

- (K) Connect To Exist Street
Light PB

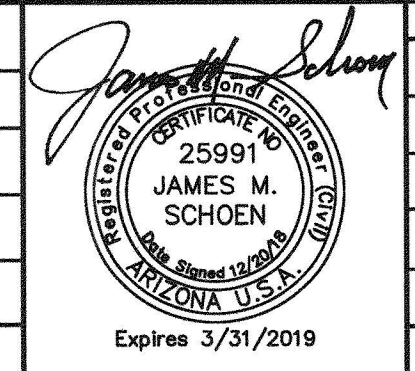
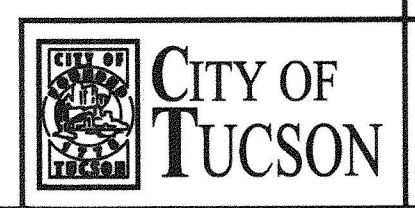


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Dated: 02/03/2026



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STREET LIGHTING
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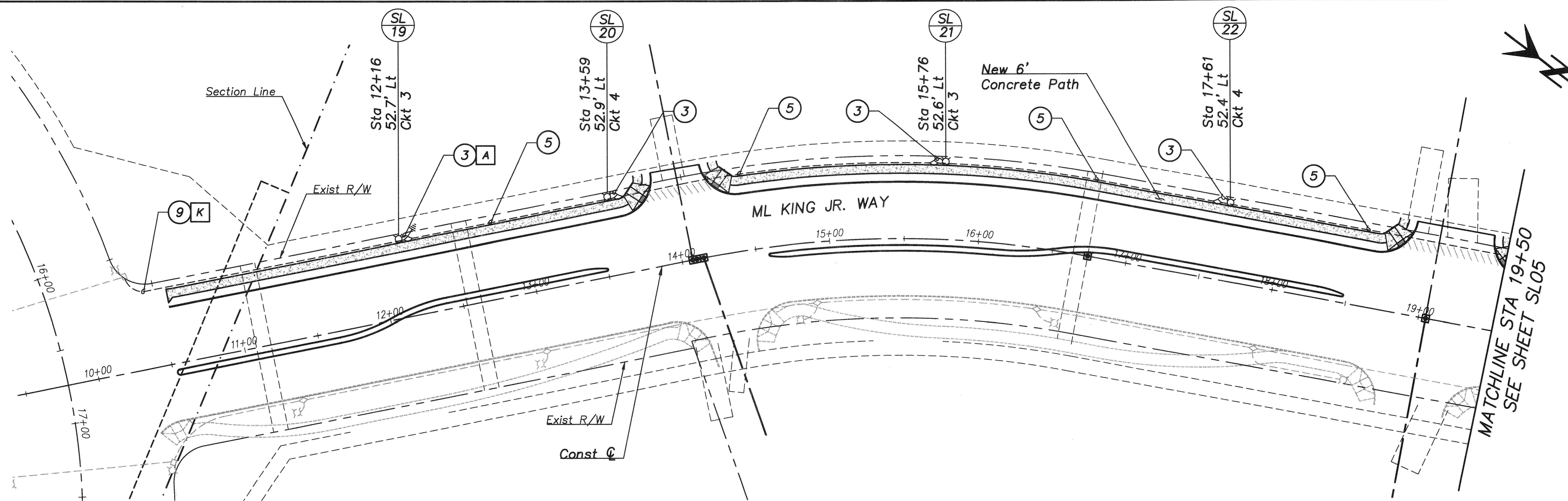


ML KING JR. WAY
TUCSON MARKETPLACE TO 36TH STREET

NO.	DATE	REVISION	BY	CHKD.	APPR.

Approvals	Signatory	Date

Approved _____ 20__ OF 32
TRANSPORTATION DIRECTOR
REF. XX-XX-XX SCALE: AS SHOWN
DRAWN BY DJG 20 18. DESGN BY LMW 20 18. CHKD. BY JMS 20 18. PLAN NO. I-2018-007

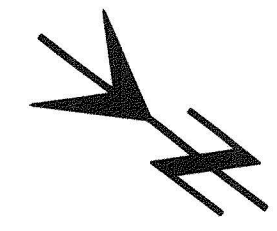


Conduit/Conductors

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(2)-#12 Conductors
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- ⑤ (1)-2" Conduit W/
(4)-#6 Conductors
(1)-#8 Bare Bond
- ⑨ (1)-2" Conduit W/
Traceable 2500lb
Pull Rope

Construction Notes

- A Install Ground Rod
In PB
- K Connect To Exist Street
Light PB

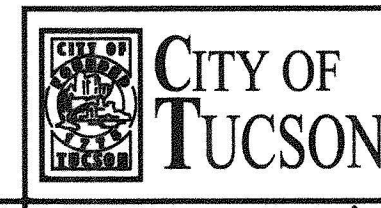


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Record Document
Dated: 02/03/2026

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 TUCSON, AZ 85701
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STREET LIGHTING
 DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION



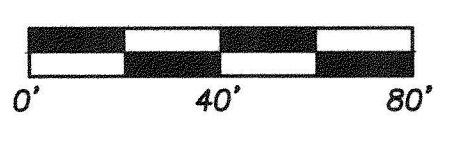
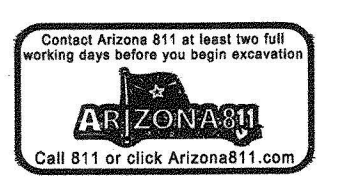
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 TUCSON MARKETPLACE TO 36TH STREET

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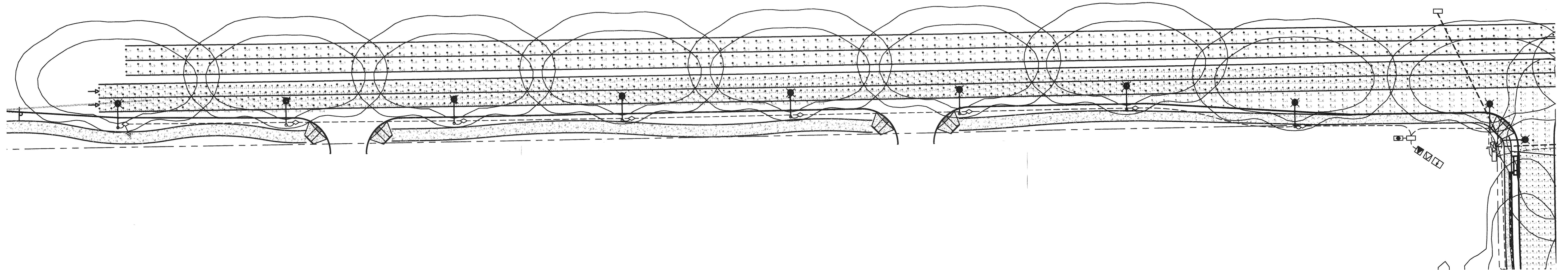
APPROVED
 JAMES M. SCHOEN
 PROFESSIONAL ENGINEER
 STATE OF ARIZONA

Approvals	Signatory	Date

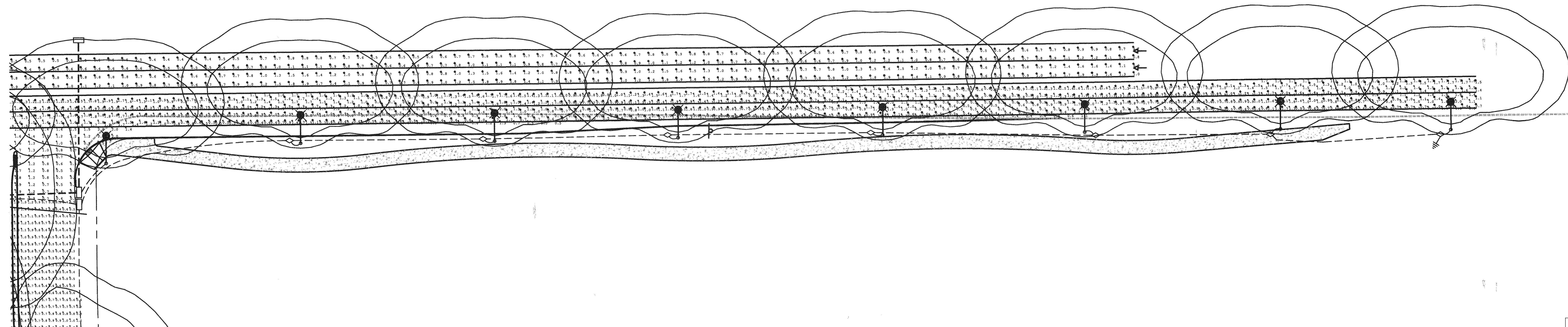
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TRANSPORTATION DIRECTOR	32
REF. XX-XX-XX SCALE: AS SHOWN	
DRWN. BY DJG 20 18. DSGN. BY LMW 20 18. CHKD. BY JMS 20 18. PLAN NO. I-2018-007	



AGi32 Photometric Luminance
36th Street – West of ML King Jr. Way



AGi32 Photometric Luminance
36th Street – East of ML King Jr. Way



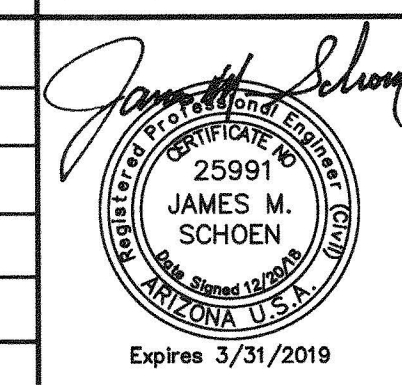
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TUCSON, AZ 85701
P:520.544.4067 F:520.544.9616

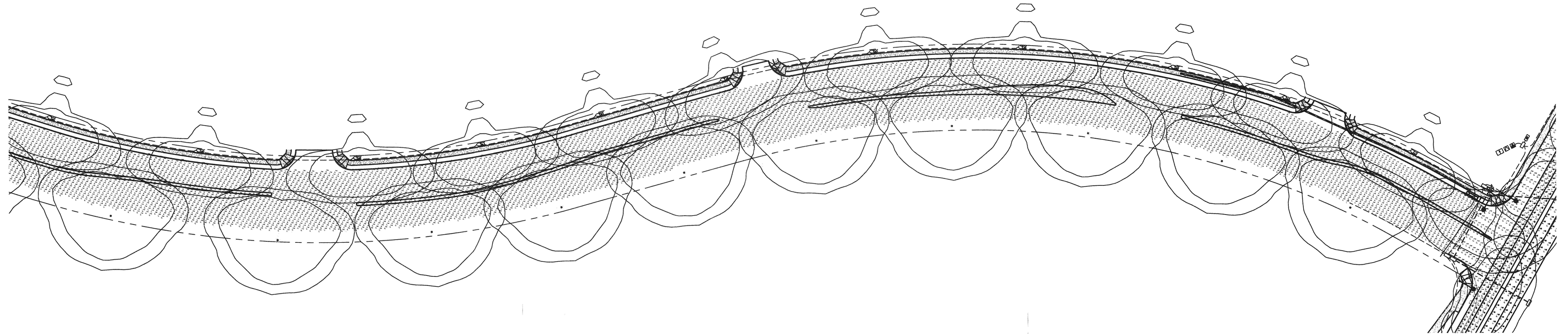
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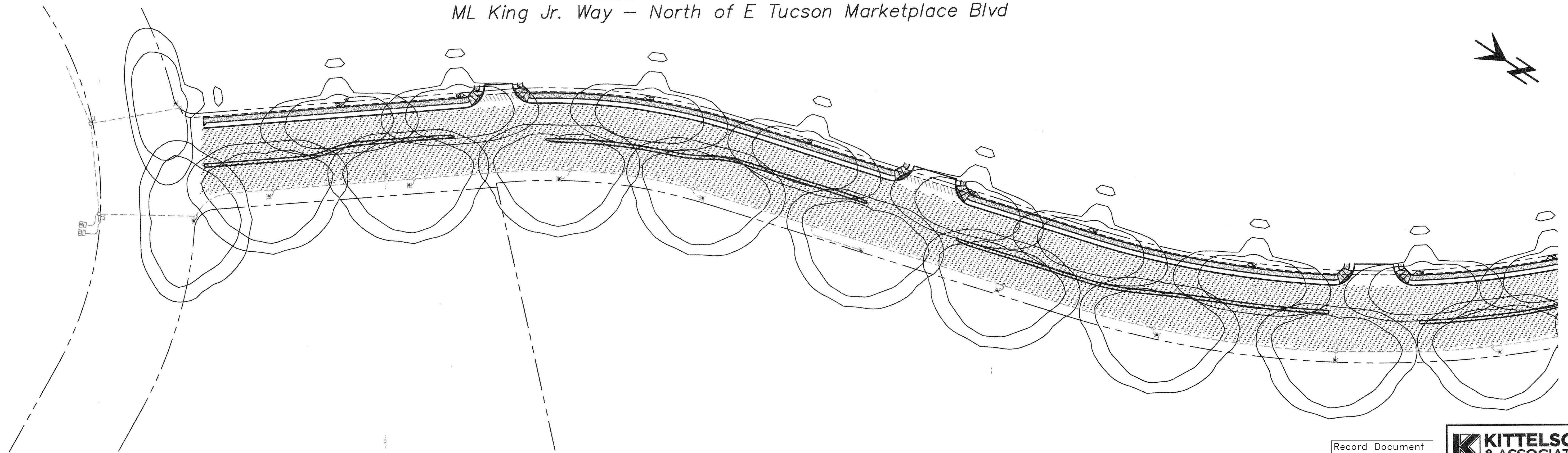
NO.	DATE	REVISION	BY	CHKD.	APPR.



AGi32 Photometric Luminance
ML King Jr. Way – South of 36th Street



AGi32 Photometric Luminance
ML King Jr. Way – North of E Tucson Marketplace Blvd



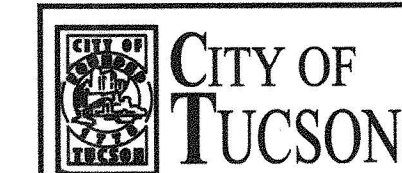
Record Document
Dated: 02/03/2026

KITTELSON & ASSOCIATES

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

STREET LIGHTING

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION



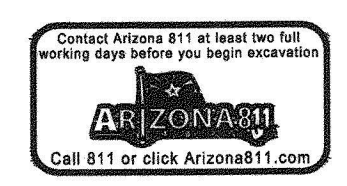
ML KING JR. WAY
TUCSON MARKETPLACE TO 36TH STREET STREET LIGHTING ANALYSIS

Approvals	Signatory	Date	Approved	22
			_____ 20__	OF
				32
TRANSPORTATION DIRECTOR				
REF. XX-XX-XX SCALE: AS SHOWN				
DRWN. BY DJG 20 18 DSGN. BY ABB 20 18 CHKD. BY JAS 20 18				PLAN NO. I-2018-007

James M. Schoen
25991
JAMES M. SCHOEN
Professional Engineer
No. 25991
Arizona, U.S.A.
Expires 3/31/2019

NO.	DATE	REVISION	BY	CHKD.	APPR.

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PUBLIC ROADWAY PLANS FOR M.L.KING JR. WAY NEW PUBLIC STREET PIA

GENERAL NOTES

1. ALL CONSTRUCTION & TEST METHODS SHALL BE IN CONFORMANCE WITH PIMA COUNTY/CITY OF TUCSON STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS (PC/COT SSPI) 2003 EDITION.
2. CONTRACTOR SHALL CALL BLUE STAKE AS MANDATED BY THE ARIZONA REVISED STATUTES AT 1-800-782-5348 BEFORE ANY CONSTRUCTION BEGINS TO VERIFY LOCATION OF EXISTING UTILITIES SHOWN OR NOT SHOWN. EXISTING UTILITY LOCATIONS SHOWN HEREON ARE ONLY APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES WITHOUT DAMAGING SAME. DAMAGED UTILITIES SHALL BE REPAIRED AT NO EXPENSE TO THE CITY.
3. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION REGULATIONS, IN PARTICULAR, SHORING OF TRENCHES.
4. CONTRACTOR SHALL ADJUST ALL VALVE BOXES TO FINISH GRADE. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE OTHER ITEMS OF WORK, EXCEPT WHEN THE BIDDING SCHEDULE CONTAINS SPECIFIC ITEMS ON A UNIT BASIS.
5. AGGREGATE BASE COURSE SHALL CONFORM TO PC/COT SSPI SECTION 303.
6. ALL CONCRETE SHALL COMPLY WITH THE PC/COT SSPI SECTION 1006, CLASS S 3000 PSI COMPRESSIVE STRENGTH AT 28 DAYS, UNLESS OTHERWISE SPECIFIED.
7. A COPY OF THIS PLAN SHALL BE KEPT IN AN EASILY ACCESSIBLE LOCATION ON THE SITE AT ALL TIMES DURING CONSTRUCTION.
8. IF UNANTICIPATED CONDITIONS ARE ENCOUNTERED DURING THE COURSE OF CONSTRUCTION AND ARE BEYOND THE SCOPE OF THE DESIGN, THE ENGINEER SHALL SUBMIT THE NECESSARY REVISED OR SUPPLEMENTAL IMPROVEMENT PLANS FOR REVIEW AND APPROVAL BY THE CITY OF TUCSON ENGINEER.
9. THE CONTRACTOR SHALL PRESERVE ALL STAKES SET FOR THE LINES, LEVELS OR MEASUREMENTS OF THE WORK IN THEIR PROPER PLACES UNTIL AUTHORIZED TO REMOVE THEM BY THE ENGINEER. ANY EXPENSES INCURRED IN REPLACING ANY STAKES WHICH THE CONTRACTOR OR HIS SUBORDINATES MAY HAVE FAILED TO PRESERVE SHALL BE CHARGED TO THE CONTRACTOR.
10. THE CONTRACTOR SHALL GIVE FORTY-EIGHT (48) HOURS NOTICE WHEN HE SHALL REQUIRE THE SERVICES OF THE ENGINEER, SURVEYOR, OR ANY OTHER PERSON PROPERLY AUTHORIZED FOR SUCH PURPOSE FOR LAYING OUT ANY PORTION OF THE WORK. HE SHALL ALSO DIG ALL STAKE HOLES NECESSARY TO GIVE LINE AND LEVELS AND SHALL PROVIDE ASSISTANCE CALLED FOR BY THE ENGINEER OR HIS ASSISTANTS UPON ANY PART OF THE WORK WHENEVER SO REQUESTED.
11. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL REGULATIONS AND REQUESTS BY COT/PIMA COUNTY REGARDING DUST CONTROL.
12. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FURNISH, HAUL AND APPLY ALL WATER REQUIRED FOR COMPACTION AND FOR THE CONTROL OF DUST FROM CONSTRUCTION ACTIVITY.
13. IF CONSTRUCTION WATER IS NOT AVAILABLE IN THE AREA, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CONSTRUCTION WATER.
14. A QUALIFIED REGISTERED ENGINEER MUST CERTIFY THAT THIS PROJECT WAS CONSTRUCTED IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED PLANS PRIOR TO REQUEST FOR FINAL INSPECTION/CERTIFICATE OF OCCUPANCY OR THE RELEASE OF ASSURANCES.
15. IN THE EVENT OF ANY DISPUTE BETWEEN THESE PLANS AND THE STANDARD SPECIFICATION, THE STANDARD SPECIFICATION SHALL PREVAIL.
16. THE CONTRACTOR SHALL REPAIR/REPLACE ALL COT DOT IRRIGATION SYSTEMS, INCLUDING REPLACEMENT OF ANY DAMAGED PLANTS. THE CONTRACTOR SHALL CONTACT AND COORDINATE WORK WITH COT STREETS AND TRAFFIC MAINTENANCE DIVISION MEDIAN ISLAND MAINTENANCE SECTION (520-791-5279 EXT. 234) 48 HOURS PRIOR TO DISTURBING ANY LANDSCAPING OR IRRIGATION SYSTEMS.
17. ALL WORK IN THE RIGHT OF WAY NEEDS TO BE COORDINATED WITH PAUL ROSENBOOM AT (520) 791-3154, EXTENSION 234
18. ALL CHANGES TO THESE PLANS MUST BE CLEARED BY THE CITY OF TUCSON CITY ENGINEER'S PERMITS AND CODES SECTION, PRIOR TO CONSTRUCTION.
19. THE CITY SHALL NOT BE HELD LIABLE FOR ANY ERRORS AND/OR OMISSIONS ON THESE PLANS. ITEMS NOT MEETING THE CITY STANDARDS SHALL BE REPAIRED AT NO COST TO THE CITY.

GENERAL NOTES

20. THE ENGINEER OF RECORD SHALL SUBMIT TO THE CITY FOR REVIEW OF ANY CHANGES TO THE APPROVED PLANS PRIOR TO CONSTRUCTION. ADDITIONALLY, THE ENGINEER OF RECORD SHALL CERTIFY ALL CHANGES MEETING ALL APPLICABLE STANDARDS, CODES, AND ORDINANCES.
21. A GRADING PERMIT SHALL BE OBTAINED FROM THE CITY OF TUCSON TRANSPORTATION DEPARTMENT PRIOR TO ANY WORK WITHIN THE PUBLIC RIGHT OF WAY.
22. A PRE-CONSTRUCTION MEETING SHALL BE COORDINATED WITH CITY OF TUCSON TRANSPORTATION INSPECTOR PRIOR TO THE START OF ANY WORK WITHIN THE PUBLIC RIGHT OF WAY.
23. CONTRACTOR SHALL OBTAIN ALL OTHER PERMITS AS REQUIRED BY LOCAL STATE AND FEDERAL REQUIREMENTS.
24. THE CONTRACTOR SHALL CONTACT AND/OR COORDINATE ANY WORK WITH COT STREETS & TRAFFIC MAINTENANCE DIVISION, MEDIAN ISLAND MAINTENANCE SECTION (791-5279, EX 234) PRIOR TO DISTURBING ANY COT/DOT LANDSCAPING OR IRRIGATION SYSTEMS. ADDITIONALLY, THE CONTRACTOR SHALL REPAIR OR REPLACE ANY DISTURBED COT/DOT LANDSCAPING OR IRRIGATION SYSTEMS, INCLUDING REPLACEMENT OF ANY DAMAGED PLANTS. CONTACT GARY WITTEWER AT 400-2645 FOR INSPECTION AND PERMITS FOR LANDSCAPING. FOR IRRIGATION REMOVAL/REPLACEMENT CONTACT PAUL ROSENBOOM AT 237-7386.

GENERAL PROJECT NOTES

1. THIS LANDSCAPE PLAN IS DESIGNED TO MEET THE REQUIREMENTS AND INTENTIONS OF THE FOLLOWING PLANS AND ORDINANCES: ARTICLE III, DIVISION 7 OF THE CITY OF TUCSON LAND USE CODE; DEVELOPMENT STANDARDS 2-06.0 AND 2-07.0; AND THE BRIDGES PAD, FEB. 2007, C9-06-32.
2. EXISTING ZONING OF THE PROPERTY: PAD (PLANNED AREA DEVELOPMENT).
3. ANY STRUCTURES OR VEGETATION WITHIN SITE VISIBILITY TRIANGLES WILL CONFORM TO DEVELOPMENT STANDARD 3.01.5, PROVIDING A WINDOW OF VISIBILITY FROM 30' TO 72' ABOVE GRADE.
4. LOCATION OF ALL ELEMENTS ON THIS PLAN SHALL BE APPROVED BY OWNERS REPRESENTATIVE, PRIOR TO INSTALLATION.
5. MAINTENANCE: ALL REQUIRED LANDSCAPING AND IRRIGATION SYSTEMS WITHIN THE RIGHT-OF-WAY SHALL BE MAINTAINED AS SHOWN ON THE APPROVED PLANS. THE PROPERTY OWNER IS RESPONSIBLE FOR PROPER MAINTENANCE TO ACHIEVE PERMANENT, SAFE, AND SUCCESSFUL LANDSCAPING AS REQUIRED BY DIVISION 7 OF THE LUC. MAINTENANCE RESPONSIBILITY FOR LANDSCAPE AND IRRIGATION IS ASSIGNED TO THE BRIDGES HOA.
6. NATIVE PLANT PRESERVATION AND MITIGATION: THIS PLAN CROSS-REFERENCES THE NATIVE PLANT PRESERVATION PLAN, PREPARED BY GRS LANDSCAPE ARCHITECTS (GREG SHINN, 877-8037). THIS LANDSCAPE PLAN IS IN CONFORMANCE WITH THE REQUIREMENTS OF THE N.P.P.P. INCLUDING MITIGATION SPECIES AND QUANTITY AND PRESERVE-IN-PLACE REQUIREMENTS. REMOVAL OF CACTI AND NATIVE PLANTS SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF THE "ARIZONA NATIVE PLANT LAW", A.R.S. CHAPTER 7.
7. PLANT COVER/DUST CONTROL: ALL DISTURBED, GRUBBED, GRADED OR BLADED AREAS NOT OTHERWISE IMPROVED SHALL BE LANDSCAPED, RESEED, OR TREATED WITH AN INORGANIC OR ORGANIC GROUND COVER TO HELP REDUCE DUST POLLUTION. GROUND SURFACES IN PLANTING BEDS, PLANTERS, MEDIANS, OR TREE UNDERSTORY WITHIN A PROJECT AREA THAT IS NOT COVERED WITH SHRUBS, ACCENT PLANTS, VINES, GROUND COVER, OR OTHER VEGETATION SHALL BE SPREAD WITH 2" OF DECOMPOSED GRANITE OR CRUSHED ROCK.
8. PLANT SIZE, LOCATION AND SPACING:
 - A) TREES AND SHRUBS ARE TO BE LOCATED SO THAT, AT MATURITY, THEY DO NOT INTERFERE WITH EXISTING ONSITE OR OFFSITE UTILITY SERVICE LINES OR UTILITY EASEMENTS OR WITH SOLAR ACCESS, AS DEFINED IN SEC. 3.7.1 OF THE LUC TO AN ADJACENT PROPERTY.
 - B) ALL SHRUBS TO BE A MINIMUM OF 2' FROM BACK OF CURB OR BACK OF SIDEWALK.
9. LANDSCAPE AREAS FROM BACK OF CURB TO SIDEWALK ARE TO BE COVERED WITH 2" OF CRUSHED ROCK AND WILL HAVE 50% VEGETATIVE COVERAGE IN TWO YEARS.
10. PLANT PLACEMENT TO BE FIELD ADJUSTED AS NEEDED TO AVOID PROPOSED UTILITIES, EXISTING PRESERVED VEGETATION, AND OTHER FIELD CONDITIONS. CONTACT LANDSCAPE ARCHITECT FOR RELOCATION OF PLANTS IN QUESTIONABLE AREAS.

GRAND VIEW ADDITION
Book 2, MP, Page 39

EXISTING PUBLIC RIGHT-OF-WAY CENTERLINE
BK. 5, RM, PG. 67
BK. 65, M&P, PG. 2

BLOCK 1 THE BRIDGES
Book 65, MP, Page 2
RESIDENTIAL

BLOCK 2 THE BRIDGES
Book 65, MP, Page 2
OPEN SPACE
RECREATIONAL
FLOOD CONTROL

EXISTING PUBLIC RIGHT-OF-WAY
BK. 65, M&P, PG. 2

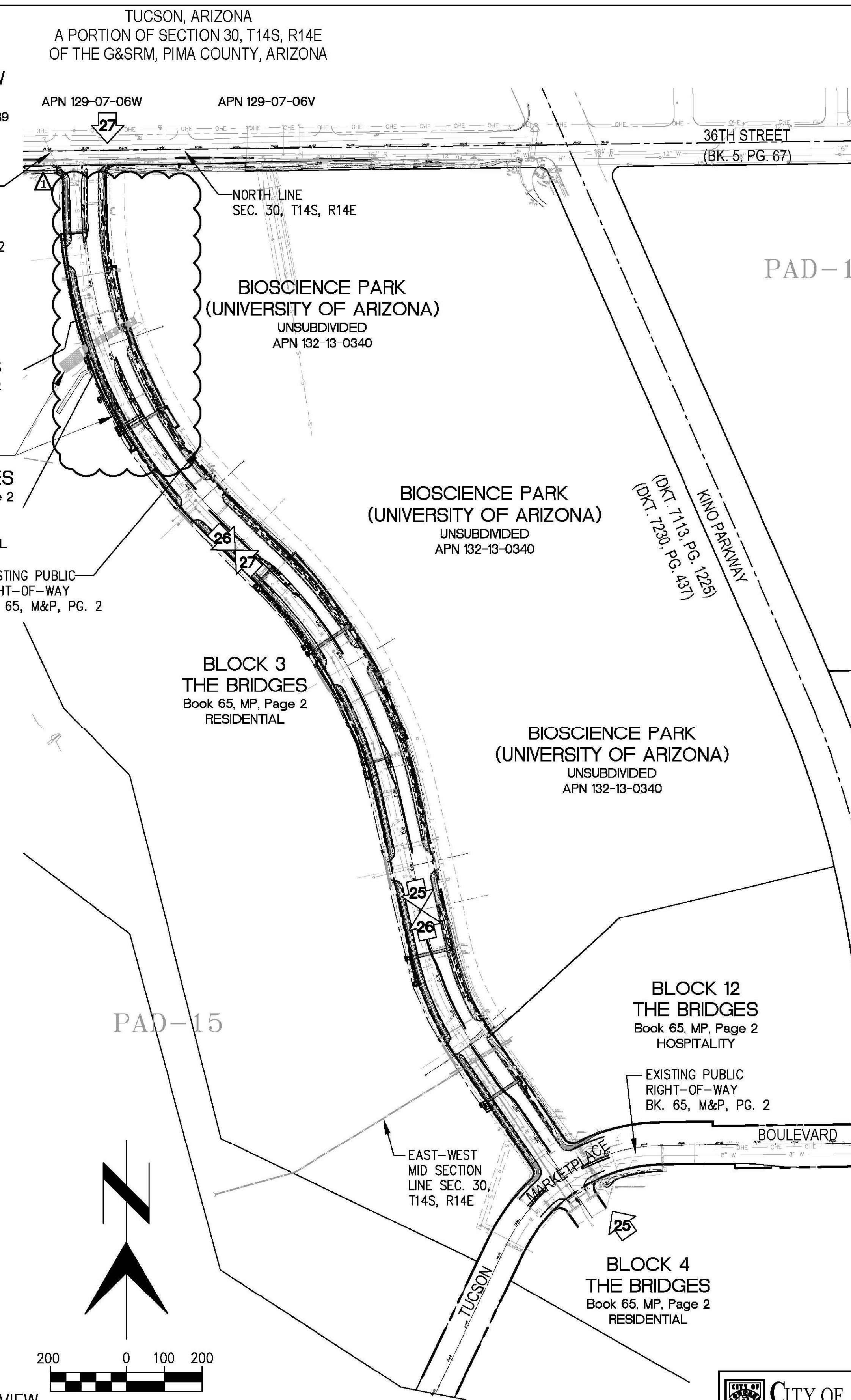
BLOCK 3 THE BRIDGES
Book 65, MP, Page 2
RESIDENTIAL

BIOSCIENCE PARK (UNIVERSITY OF ARIZONA)
UNSUBDIVIDED
APN 132-13-0340

BLOCK 12 THE BRIDGES
Book 65, MP, Page 2
HOSPITALITY

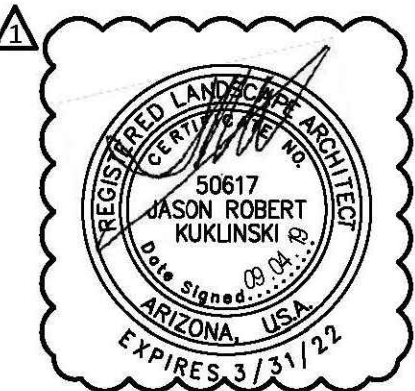
EXISTING PUBLIC RIGHT-OF-WAY
BK. 65, M&P, PG. 2

BLOCK 4 THE BRIDGES
Book 65, MP, Page 2
RESIDENTIAL

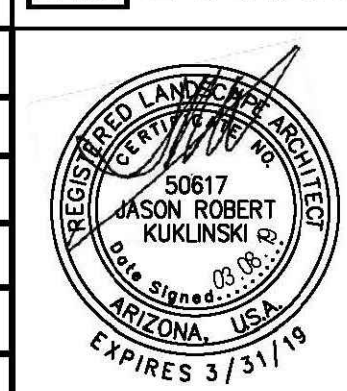


PROJECT OVERVIEW

SCALE: 1" = 200'

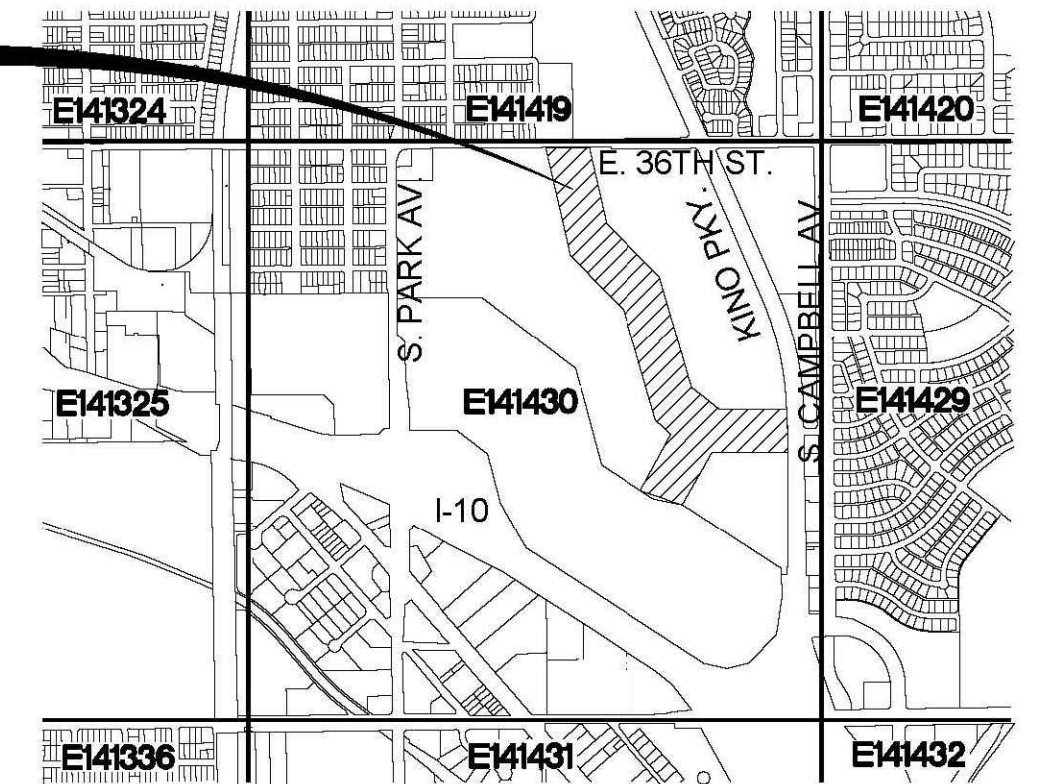


NO.	DATE	REVISION	BY	CHKD.	APPR.
1	08/04/19	DP RESUBMITTAL			



Record Document
Dated: 02/03/2026

PROJECT LOCATION



LOCATION MAP

SCALE: 3"=1 MILE
SECTION 30, TOWNSHIP 14 S, RANGE 14 E
OF THE G&SRM, PIMA COUNTY, ARIZONA
CITY OF TUCSON WARD 5
LAT: 32°11'12" LONG: 110°57'2"

BASIS OF ELEVATION

CITY OF TUCSON BENCHMARK 1014A (AN X CHISLED IN THE CONCRETE ON THE NORTHEAST CORNER OF THE CATCH BASIN AT THE SOUTHEAST CORNER OF 36TH STREET AND KINO BOULEVARD) FROM COT FIELD BOOK 1989-A-1, PAGE 71. PUBLISHED ELEVATION BEING 2476.25 N.A.V.D. 1988.

BASIS OF BEARING

N 00° 44' 11" W FOR THE EAST LINE OF THE SOUTHEAST QUARTER OF SECTION 30, TOWNSHIP 14 SOUTH, RANGE 14 EAST, G&SRM, AS NOTED IN THE FINAL ORDER OF CONDEMNATION, PARCEL K-10, RECORDED AS DOCKET 7885 AT PAGE 1285, RECORDS OF PIMA COUNTY, ARIZONA.

SHEET INDEX

- 23 LANDSCAPE COVER
- 24 NOTES AND SCHEDULES
- 25-27 LANDSCAPE PLANS
- 28-30 IRRIGATION PLANS
- 31-32 CONSTRUCTION DETAILS

OWNER

TUCSON DEPARTMENT OF TRANSPORTATION
201 N. STONE AVE, 4TH FLOOR
TUCSON, AZ 85701
CONTACT: ANDY DINAUER, P.E.
TEL (520) 791-5100

DEVELOPER

BOURN COMPANIES
ATTN: MATT DICKEY
20 E. CONGRESS STREET, SUITE 300
TUCSON, AZ 85701
TEL (520) 621-4930
mdickey@bourncompanies.com

CIVIL ENGINEER

MARUM AND ASSOCIATES ENGINEERING, LLC
2730 E. BROADWAY BLVD., SUITE 250
TUCSON, ARIZONA 85716
CONTACT: PAT MARUM, P.E. PRESIDENT
TEL (520) 448-4440
CELL (520) 307-1832

ADMINISTRATIVE ADDRESS

1550 E 36TH STREET
TUCSON, AZ 85713

NORRIS DESIGN
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418 North Toole Avenue
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P 520.622.9565
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DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

M.L.K. JR. WAY 36TH STREET TO TUCSON MARKETPLACE BLVD			
Approvals	Signatory	Date	Approved
			20
			23
			32
TRANSPORTATION DIRECTOR			
REF. XX-XX-XX SCALE: 1"=40'			
DRAWN BY GJ 20 18		DESIGN BY GJ 20 18	
CHECKED BY JK 20 18		APPROVED BY JK 20 18	
PLAN NO. I-2018-024			



GENERAL LANDSCAPE NOTES

1. THE CONTRACTOR SHALL FOLLOW THE LANDSCAPE PLAN AS CLOSELY AS POSSIBLE. ANY DISCREPANCY IN THE PLAN VS. THE FIELD CONDITIONS SHALL BE REPORTED TO THE LANDSCAPE ARCHITECT IMMEDIATELY.
2. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL PLANT QUANTITIES.
3. WRITTEN DIMENSIONS WILL TAKE PRECEDENCE OVER SCALED DIMENSIONS.
4. THE CONTRACTOR SHALL OBTAIN, AT HIS EXPENSE, ALL PERMITS WHICH ARE NECESSARY TO PERFORM THE PROPOSED WORK.
5. THE CONTRACTOR SHALL TAKE EXTREME CARE WHILE WORKING WITHIN THE PROJECT AREA AS TO NOT DISTURB ANY EXISTING UTILITIES OR STRUCTURES ON OR ADJACENT TO THE PROJECT AREA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING AND OR REPAIRING ANY EXISTING STRUCTURES OR UTILITIES DAMAGED DURING CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.
6. ALL WORK SHALL BE CONFINED TO THE AREA WITHIN THE CONSTRUCTION LIMITS AS SHOWN ON THE PLANS. ANY AREAS OR IMPROVEMENTS DISTURBED OUTSIDE THESE LIMITS SHALL BE REVEGETATED TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE. IN THE EVENT THE CONTRACTOR REQUIRES A MODIFICATION TO THE CONSTRUCTION LIMITS, WRITTEN PERMISSION MUST BE OBTAINED FROM THE LANDSCAPE ARCHITECT PRIOR TO ANY DISTURBANCE OUTSIDE OF THE LIMITS OF WORK.
7. NOTIFY THE OWNER'S REPRESENTATIVE 48 HOURS IN ADVANCE OF ANY INSPECTIONS AND / OR APPROVALS OF LANDSCAPE MATERIAL AND IRRIGATION PRODUCTS PRIOR TO INSTALLATION.
8. THE CONTRACTOR SHALL WARRANT THE PLANT MATERIAL, IRRIGATION SYSTEM, AND WORKMANSHIP FOR A MINIMUM PERIOD OF ONE YEAR.
9. ALL PAVING (SIDEWALKS) SHALL MEET DESIGN AND CONSTRUCTION REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA).
10. CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING EROSION CONTROL MEASURES ON SLOPES EXCEEDING 3:1.
11. ALL TREES ARE TO BE STAKED AND GUYED PER DETAILS FOR A MINIMUM PERIOD OF ONE YEAR. AS NECESSARY OR AT THE DISCRETION OF THE OWNER'S REPRESENTATIVE THE CONTRACTOR SHALL REMOVE STAKING AND GUYING, PRIOR TO THE FINAL, ONE YEAR WALK THROUGH.
12. IRRIGATION SYSTEM TO USE POTABLE WATER. POINT OF CONNECTION FOR POTABLE IS PER CIVIL PLANS. FUTURE SERVICE COULD BE SUPPLIED BY RECLAIMED WATER.
13. TWO (2) ADDITIONAL 2" SLEEVES SHALL BE LOCATED IN ALL SLEEVE EASEMENTS CROSSING M.L. KING JR WAY.

GENERAL LAYOUT NOTES

1. WRITTEN DIMENSIONS WILL TAKE PRECEDENCE OVER SCALED DIMENSIONS.
2. SHOULD SITE CONDITIONS BE DIFFERENT THAN WHAT IS INDICATED ON THE DRAWINGS CONTACT THE LANDSCAPE ARCHITECT IMMEDIATELY FOR CLARIFICATION.
3. CURVED WALKS AND CURB EDGES ARE INTENDED TO BE CONSTRUCTED WITH SMOOTH FLOWING CURVES. ANYTHING OTHER THAN SMOOTH FLOWING CURVES WILL BE REJECTED. ALL INTERSECTIONS SHALL BE POURED MONOLITHICALLY.
4. THE CONTRACTOR SHALL OBTAIN, AT HIS EXPENSE, ALL PERMITS WHICH ARE NECESSARY TO PERFORM THE PROPOSED WORK.
5. PRIOR TO PROCEEDING WITH CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE A STAKED LAYOUT OF ALL SITE IMPROVEMENTS FOR INSPECTION BY THE OWNER'S REPRESENTATIVE AND MAKE MODIFICATIONS AS REQUIRED AT NO ADDITIONAL COST TO THE OWNER.
6. LAYOUT WALKS, SCORE JOINTS AND PAVING PATTERNS AS CLOSELY AS POSSIBLE TO PLANS, DETAILS, AND SPECIFICATIONS. DO NOT DEVIATE FROM PLANS UNLESS SPECIFIC APPROVAL IS OBTAINED FROM THE OWNER'S REPRESENTATIVE.
7. THE OWNER'S REPRESENTATIVE IS TO APPROVE ALL FORMWORK IN PLACE PRIOR TO PLACING CONCRETE.

NOTES - PLANTING IN R.O.W

1. IT IS THE OWNERS RESPONSIBILITY TO KEEP THE SIGHT VISIBILITY TRIANGLES (SVT), AND THE PEDESTRIAN ACCESS AREA IN CONFORMANCE WITH DEVELOPMENT STANDARD 3-01.5 AT ALL TIMES (MUST PROVIDE A WINDOW OF VISIBILITY FROM 30" TO 72" ABOVE GRADE).
2. FINAL PLANT LOCATIONS MUST BE IN COMPLIANCE WITH ALL UTILITY SETBACK REQUIREMENTS.
3. THE OWNER UNDERSTANDS THAT IF THE CITY OF TUCSON TRANSPORTATION DEPARTMENT OR ANY UTILITY COMPANY NEEDS TO WORK WITHIN THE ROW IN THE LANDSCAPED AREA, PLANTS AND IRRIGATION MAY BE DESTROYED WITHOUT REPLACEMENT OR REPAIR.
4. THE OWNER TAKES FULL LIABILITY FOR THIS LANDSCAPE AND IRRIGATION, AND ANY DAMAGE TO ROADWAY, SIDEWALK AND UTILITIES.
5. THE ONLY PRIVATE IRRIGATION EQUIPMENT THAT IS ALLOWED WITHIN THE ROW ARE LATERAL LINES, TUBING AND EMITTERS THAT ARE NOT UNDER CONSTANT PRESSURE. ALL OTHER EQUIPMENT MUST BE ON PRIVATE PROPERTY (EXCLUDING WATER METER).
6. CONTRACTOR TO OBTAIN A RIGHT OF WAY EXCAVATION PERMIT PRIOR TO CONSTRUCTION WITHIN THE RIGHT-OF-WAY.



IRRIGATION NOTES

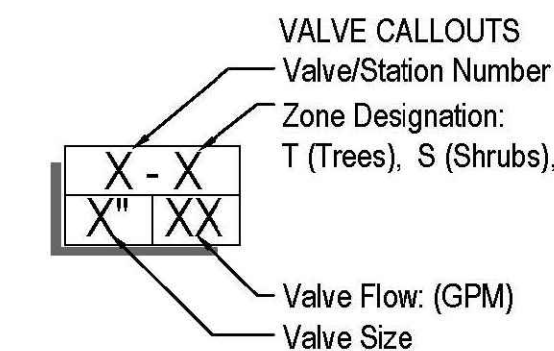
1. PLAN IS SCHEMATIC ONLY. ALL MAINLINES, VALVES, ETC. SHALL BE PLACED WITHIN THE LANDSCAPE EASEMENT.
2. ALL PIPING SHALL BE TO A POTABLE CONNECTION CURRENTLY SHOWN ON THE PLANS.
3. THE ENTIRE IRRIGATION SYSTEM SHALL SATISFY ALL CODE REQUIREMENTS AND BE INSTALLED AS PER MANUFACTURERS' SPECIFICATIONS.
4. THE IRRIGATION SYSTEM IS DESIGNED FOR A MINIMUM OF 45 PSI AND 12 GPM AT THE POINT OF CONNECTION (SEE CIVIL PLANS). CONFIRM PRIOR TO START OF WORK. THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE OF ANY DISCREPANCY BEFORE CONTINUING WORK. STATIC PRESSURE IN THE AREA VERIFIED THROUGH TUCSON WATER TO BE 46-53 PSI.
5. THE IRRIGATION SYSTEM HAS BEEN DESIGNED TO ACCOMMODATE THE PLANT WATER REQUIREMENTS FOR LANDSCAPE IN THE RIGHT OF WAY AND IN THE LANDSCAPE EASEMENT. CONNECTIONS TO IRRIGATION SYSTEM TO SUPPLY WATER TO PLANTINGS WITHIN THE LANDSCAPE EASEMENT SHALL BE DONE EITHER AT THE LATERAL JUST UPSTREAM OF THE PRESSURE REGULATORS OR ALONG THE ROADWAY OR AT THE INTERSECTIONS AN ADDITIONAL VALVE AND PRESSURE SHALL BE REQUIRED INSTALLED PER THE IRRIGATION LEGEND AND CONSTRUCTION DETAILS SPECIFIED HEREIN.
6. FINAL LOCATION OF CONTROLLER AND ET SENSOR SHALL BE APPROVED PRIOR TO INSTALLATION BY OWNER'S REPRESENTATIVE OR LANDSCAPE ARCHITECT.
7. COORDINATE WITH UTILITY IMPROVEMENTS AS REQUIRED TO PROVIDE POWER TO IRRIGATION CONTROLLER.
8. CONTRACTOR SHALL SLEEVE ALL MAINLINES, VALVE WIRES, LATERALS AND 3/4" PVC DRIP LATERALS UNDER ALL PAVED SURFACES AND WALLS. EXTENDING SLEEVES 1 FOOT BEYOND EDGE OF PAVED SURFACE OR WALL. CONTRACTOR RESPONSIBLE FOR ALL SLEEVES.
9. CONTRACTOR SHALL COORDINATE INSTALLATION OF DRIP IRRIGATION LINES PRIOR TO INSTALLATION OF PLANT MATERIAL WITH THE OWNER'S REPRESENTATIVE.
10. DO NOT MECHANICALLY TRENCH WITHIN DRIP LINE OF EXISTING TREES OR NEAR CACTI. WHERE TRENCHING WITHIN DRIP LINE IS NECESSARY, ONLY HAND TRENCHING WILL BE PERMITTED. REVIEW WITH OWNER'S REPRESENTATIVE PRIOR TO START OF TRENCHING.
11. LAYOUT EMITTER TUBING PARALLEL TO TOPOGRAPHY WHEREVER POSSIBLE. INSTALL FLUSHABLE TYPE END CAP AT ENDS OF ALL 3/4" PVC LATERALS AND FLUSH THOROUGHLY BEFORE INSTALLING EMITTERS. STAKE 3/4" DRIP TUBING IN PLACE AND BURY AT 8" DEPTH.
12. ALL VALVE BOXES / LIDS SHALL BE PLASTIC WITH LOCKING COVERS.
13. TREES SHALL BE IRRIGATED BY MULTI-OUTLET EMITTERS. SHRUBS AND GROUNDCOVER SHALL BE IRRIGATED BY MULTI-OUTLET EMITTERS. SEE EMITTER SCHEDULE (THIS SHEET) FOR ADDITIONAL INFORMATION.

PLANT SCHEDULE

SYM.	BOTANICAL NAME	COMMON NAME	QUANTITY	SIZE
TREES				
△	Prosopis hybrid 'Leslie Roy'	Thomless Mesquite	54	15 GAL
○	Chilopsis linearis 'Sweet Katie'	Desert Willow	20	15 GAL
○	Fraxinus greggii	Little Leaf Ash	17	15 GAL
○	Olneya tesota	Ironwood	33	15 GAL
○	Parkinsonia 'Desert Museum'	Desert Museum Palo Verde	26	15 GAL
SHRUBS				
○	Asclepias linaria	Pineleaf Milkweed	8	5 GAL
○	Ericameria laricifolia	Turpentine Bush	136	5 GAL
○	Leucophyllum candidum	Thunder Cloud	10	5 GAL
△	Justicia californica	Chuparosa	2	5 GAL
ACCENTS				
★	Agave ovatifolia	Whale's Tongue Agave	41	5 GAL
★	Agave palmeri	Palmer Agave	33	5 GAL
★	Agave victoriae-reginae	Queen Victoria Agave	87	5 GAL
★	Asclepias subulata	Desert Milkweed	97	5 GAL
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+	Muhlenbergia lindheimeri	Autumn Glow	107	5 GAL
⊕	Nolina microcarpa	Bear Grass	48	5 GAL
⊕	Tetrandeum Acaulis	Angelita Daisy	454	1 GAL
INERT GROUND COVER				
□	1/2" Screened Rock - 75,812 s.f. at a depth of 2". Apache Brown or approved equal at Owner's discretion. All areas within the ROW or between sidewalk and curb where the sidewalk is beyond the ROW shall be treated with screened rock.			
BOULDERS				
Apache Brown Boulders:				
SYM.	SIZE	QTY.		
○	3"	10		
○	2"	33		
○	18"	28		

IRRIGATION LEGEND

SYM.	EQUIPMENT DESCRIPTION	COMMENTS
POC	Irrigation Point of Connection	See Civil Plans
○	1" Water meter at 2" Water Line	
M	1" Water Meter - By Others	See Civil Plans
B	1" Febco Backflow Preventer, 825YA	Detail 9, Sheet 32
□	Guardshack Enclosure, GS-1, Tan	Detail 10, Sheet 32
□	Hunter ACC, 12 Stations ACC-1200-PED	Detail 8, Sheet 31
◇	Hunter Solar Sync Sensor - Wireless Pole mounted	Detail 8, Sheet 32
⊕	Master Valve Assembly (2) Carson Valve Box, Jumbo (1220) 1" Hunter ICV, ICV-101G 1" Sch. 80 Ball Valve 1" Hunter Flow Sensor (FCT-10)	Detail 13, 14, Sheet 31 Color: Green
⊕	Drip Valve Assembly Carson Valve Box, Jumbo (1220) 1" Hunter ICV, ICV-101G 1" Sch. 80 Ball Valve, 1" Hunter Y-Filter 150 SS Mesh	Detail 2, Sheet 32
▲	Senninger Pressure Regulator PRL-30 Carson Valve Box, 12" Standard (1419)	3/4" 0.5 - 8 GPM, Detail 3, Sheet 32
⊕	T-113-IRR NIBCO Bronze Main Line Isolation Gate Valve or Approved Equal	Detail 1, Sheet 32
—	Sleeve - SCH 40 PVC	Size=2x sum of sleeved pipes
—	1-1/2" Mainline -SCH 40 PVC	
----	1" Lateral line -SCH 40 PVC.	
—	3/4" SCH 40 PVC w/ Rainbird XBT-10-6 & XBT-20-6, 6 port Multi-outlet Emitters per Emitter Schedule	Detail 15, Sheet 31 In 6" round box
—	Hose End Flush Cap	In 6" round box Detail 7, Sheet 32



SPINE ROAD PLANTING REQUIREMENTS

LANDSCAPE REQUIREMENTS ARE PER THE BRIDGES PAD, SECTION C.2.3.C.5.e, LANDSCAPE AND SCREENING REQUIREMENTS FOR THE COMMERCIAL SPINE ROAD (PUBLIC, REFERENCED ON PLANS AS TUCSON MARKETPLACE BLVD.) AND THE SECONDARY SPINE ROAD.

SECONDARY ROAD PLANTING REQUIREMENTS

TOTAL LINEAR ROADWAY FRONTAGE (INCLUSIVE OF NORTH AND SOUTH SIDES) = 5,292.00 FEET				
ROADWAY FRONTAGE = 5,292 LINEAR FEET	REQUIRED TREES (1 per 40 linear feet)	PROVIDED TREES	REQUIRED SHRUBS AND / OR ACCENTS (10 per 40 linear feet)	PROVIDED SHRUBS AND / OR ACCENTS
STREETSCAPE (between street and ROW)	132	135	1,323	1,329
PLANTABLE MEDIANS = 585 LINEAR FEET	REQUIRED TREES (1 per 50 linear feet)	PROVIDED TREES	REQUIRED SHRUBS AND / OR ACCENTS (10 per 50 linear feet)	PROVIDED SHRUBS AND / OR ACCENTS
MEDIAN	12	14	120	233

LINETYPE AND GENERAL SYMBOL LEGEND

EXISTING SEWER MANHOLE	
PERCENT GRADE	
SURVEY MONUMENT	
FIRE HYDRANT	
PROPERTY LINE	
NEW R/W	
EXISTING R/W	
LANDSCAPE EASEMENT	
FUTURE VERT. CURB	
EXISTING VERT. CURB	
SHEET INDEX	
PROPOSED SIDEWALK	
EXISTING SIDEWALK	
EXISTING CATCH BASIN	
PROPOSED CATCH BASIN	
PROPOSED STORM DRAIN	
PROPOSED WATER LINE	
PROPOSED WATER LINE WITH LINE SIZE	
PROPOSED 8" SEWER MAIN	
RECLAIMED WATER LINE	
SIGHT VISIBILITY TRIANGLE	
PAGE BREAK MATCH LINE	
1 FOOT CONTOUR INTERVAL	
5 FOOT CONTOUR INTERVAL	
STATIONING	

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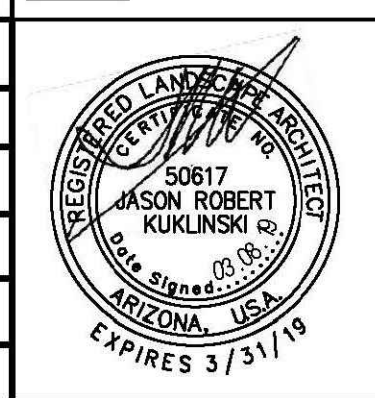
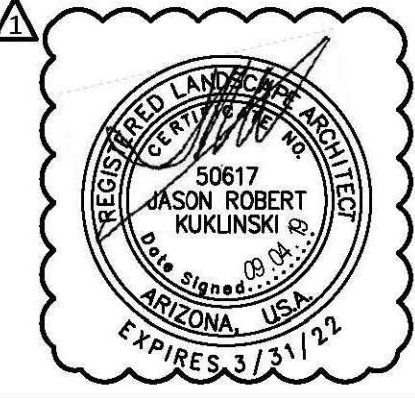


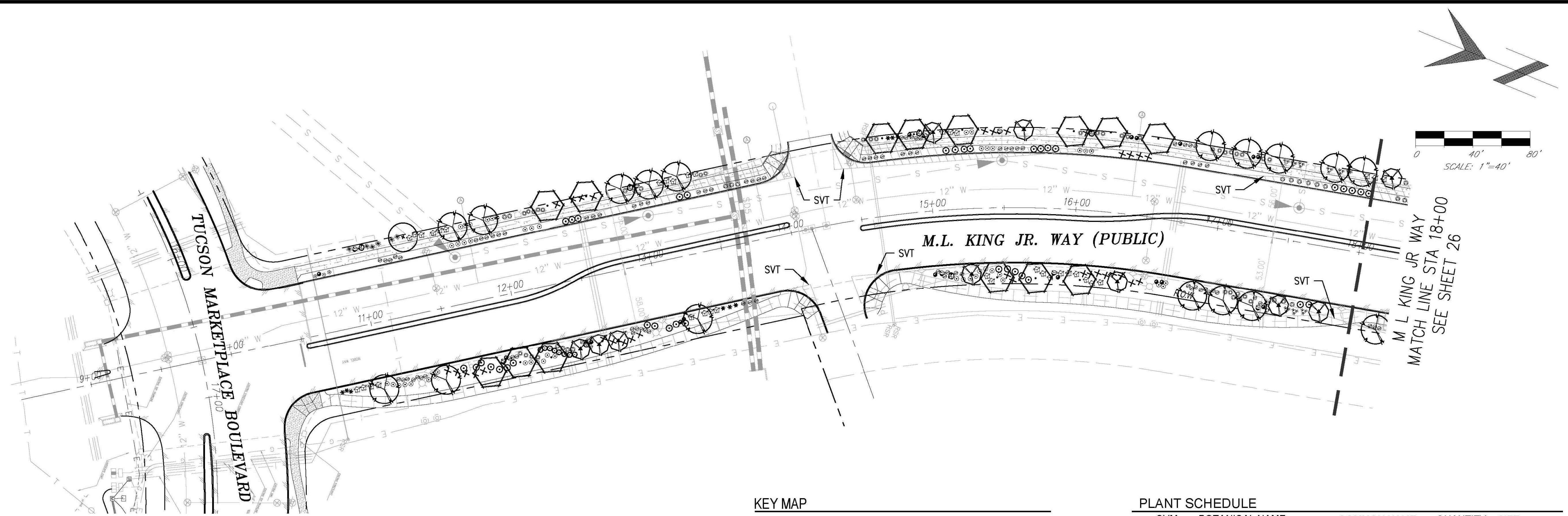
M.L.K. JR. WAY
 36TH STREET TO TUCSON MARKETPLACE BLVD

NOTES AND SCHEDULES

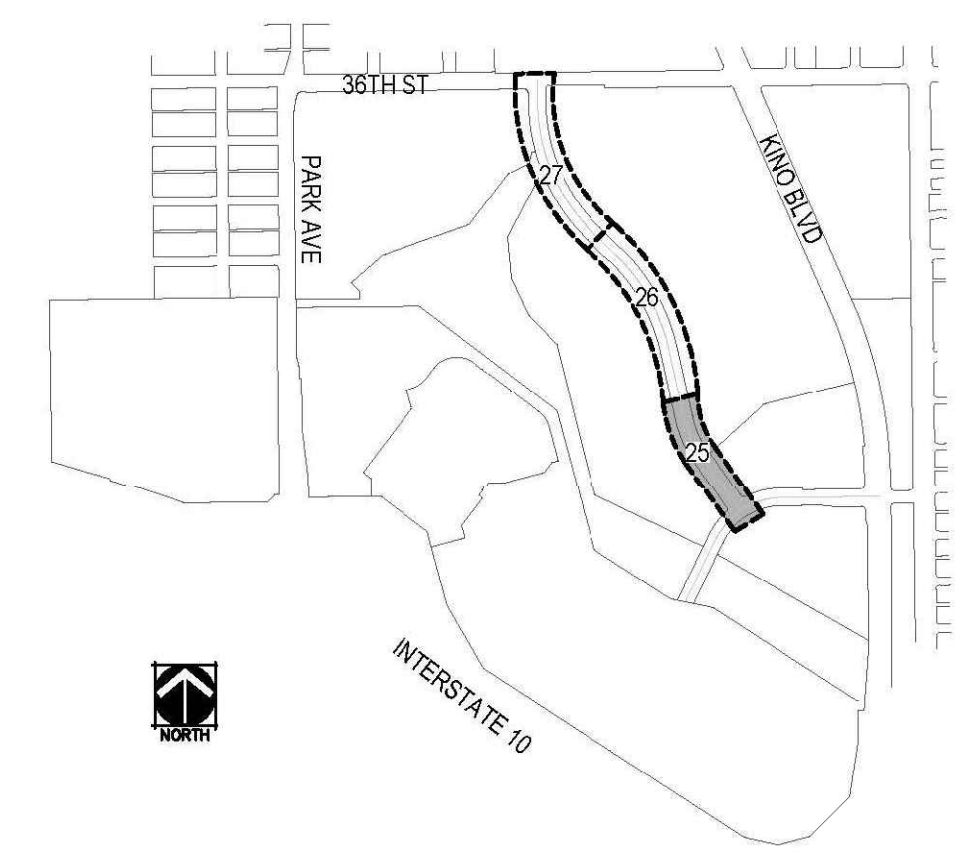
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Approvals	Signatory	Date	Approved	24
				24
				OF
				32
TRANSPORTATION DIRECTOR				
REF. XX-XX-XX SCALE: 1"=40'				
PLAN NO. I-2018-024				





KEY MAP



PLANT SCHEDULE

SYM.	BOTANICAL NAME	COMMON NAME	QUANTITY	SIZE
TREES				
○	Prosopis hybrid 'Leslie Roy'	Thornless Mesquite	54	15 GAL
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○	Fraxinus greggii	Little Leaf Ash	17	15 GAL
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SHRUBS				
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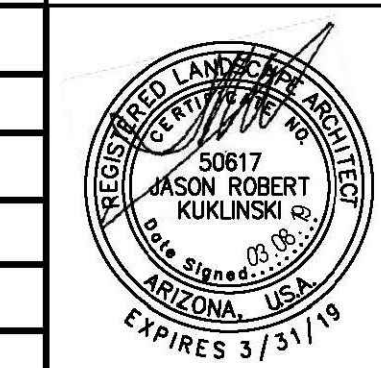
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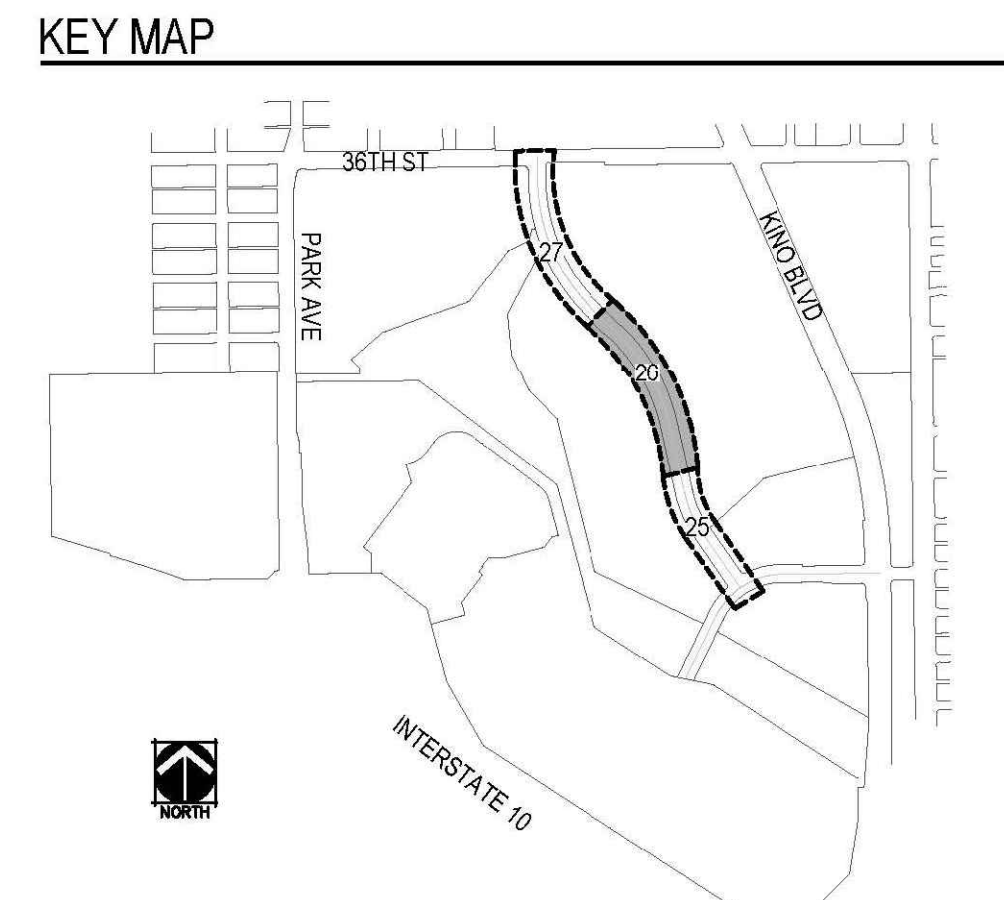
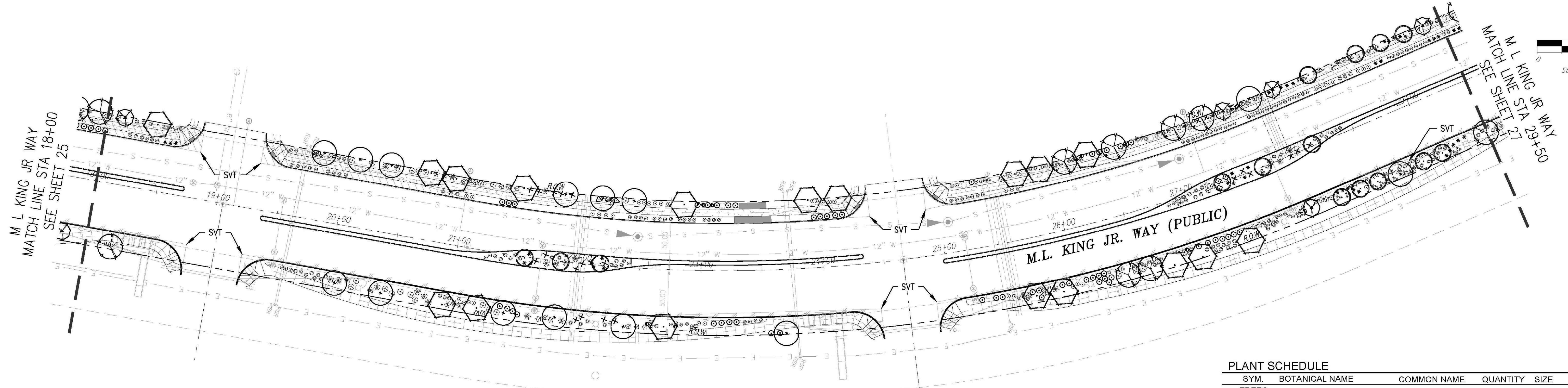
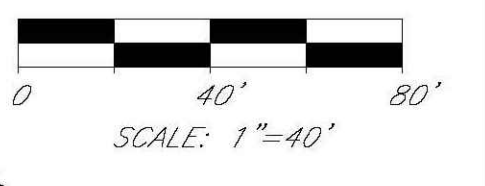


LANDSCAPE PLAN

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CALL TWO WORKING DAYS BEFORE YOU DIG
1-800-STAKE-IT
 ARIZONA BLUE STAKE



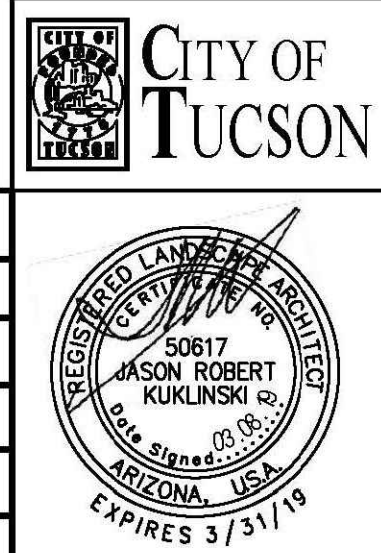
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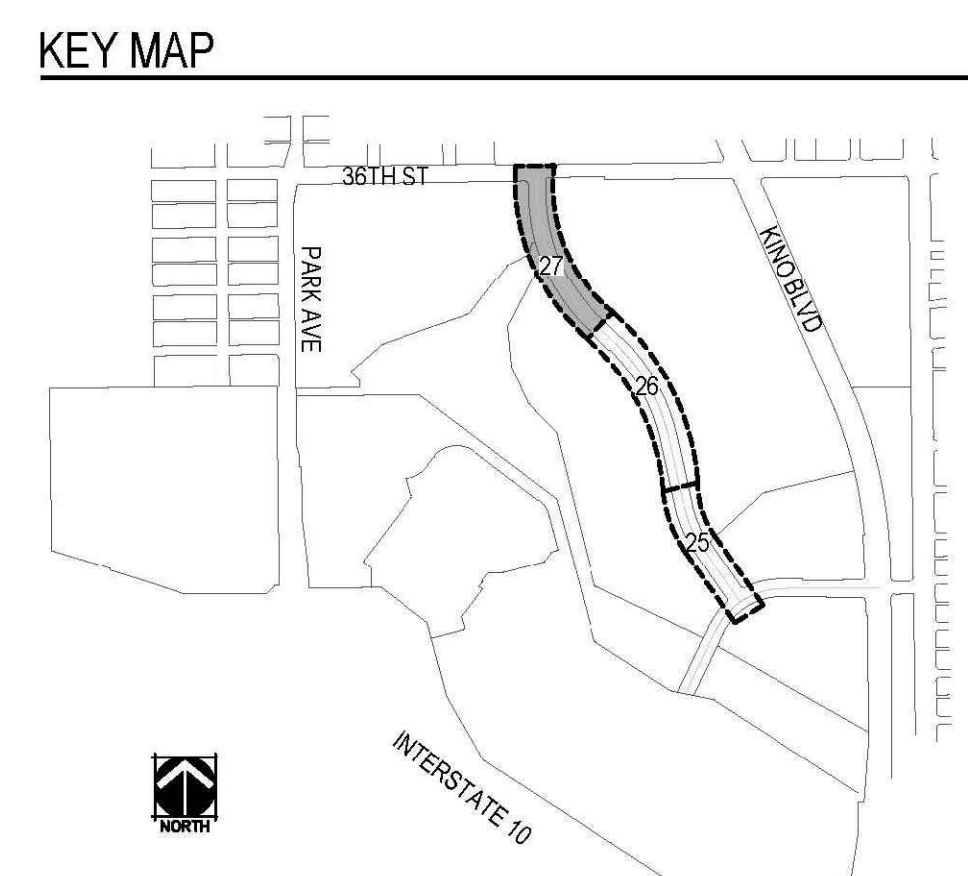
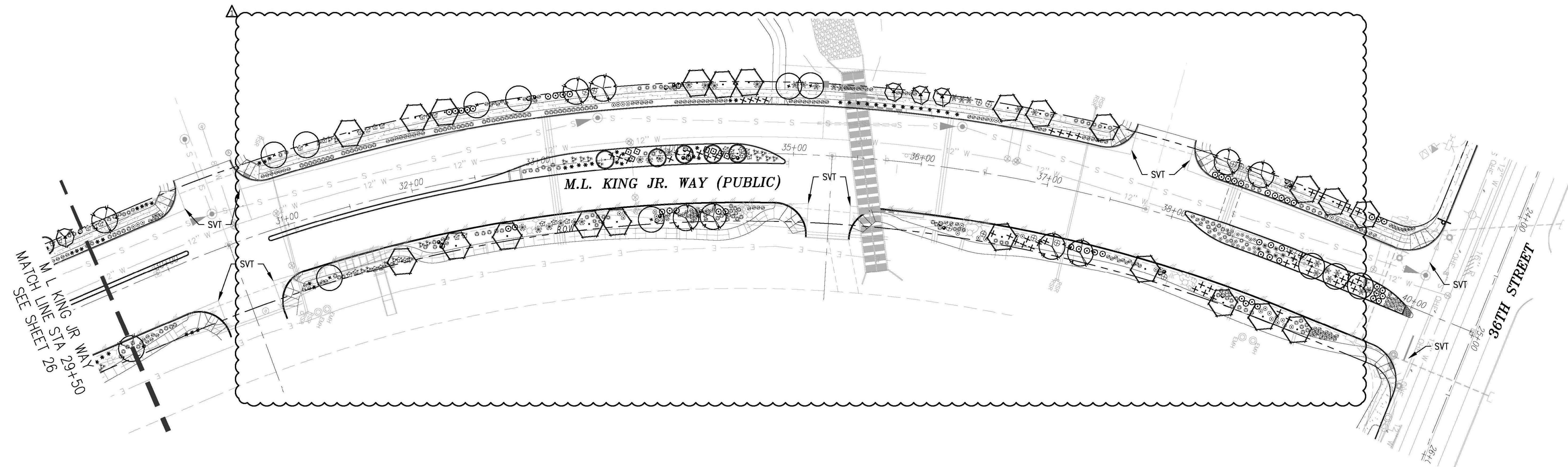
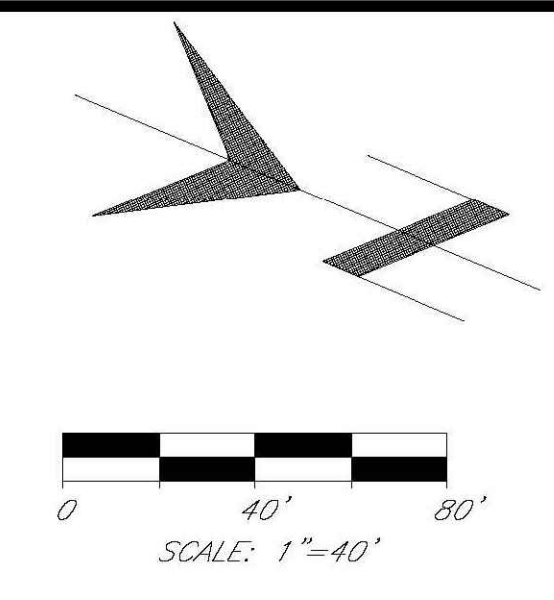
DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

M.L.K. JR. WAY
36TH STREET TO TUCSON MARKETPLACE BLVD

Approvals	Signatory	Date	Approved	26
				OF
				32
TRANSPORTATION DIRECTOR				
REF. XX-XX-XX				SCALE: 1"=40'
DRAWN BY GJ 20 18				DESIGN BY GJ 20 18
CHECKED BY JK 20 18				PLAN NO. I-2018-024

Record Document
Dated: 02/03/2026

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PLANT SCHEDULE

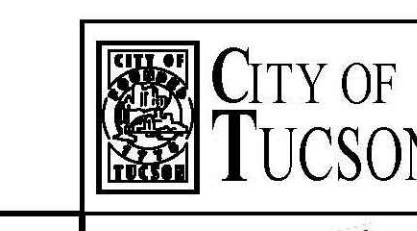
SYM.	BOTANICAL NAME	COMMON NAME	QUANTITY	SIZE
TREES				
○	Prosopis hybrid 'Leslie Roy'	Thornless Mesquite	54	15 GAL
○	Chilopsis linearis 'Sweet Katie'	Desert Willow	20	15 GAL
○	Fraxinus greggii	Little Leaf Ash	17	15 GAL
○	Oleaya tesota	Ironwood	33	15 GAL
+	Parkinsonia 'Desert Museum'	Desert Museum Palo Verde	26	15 GAL
SHRUBS				
○	Asclepias linaria	Pineleaf Milkweed	8	5 GAL
○	Ericameria laricifolia	Turpentine Bush	136	5 GAL
□	Leucophyllum candidum	Thunder Cloud	10	5 GAL
△	Justicia californica	Chuparosa	2	5 GAL
ACCENTS				
*	Agave ovatifolia	Whale's Tongue Agave	41	5 GAL
*	Agave palmeri	Palmer Agave	33	5 GAL
*	Agave victoriae-reginae	Queen Victoria Agave	97	5 GAL
⊙	Asclepias subulata	Desert Milkweed	87	5 GAL
⊙	Chrysactinia mexicana	Damianita	21	1 GAL
⊙	Dalea greggii	Trailing Dalea	140	1 GAL
⊙	Dasylium quadrangulatum	Toothless Desert Spoon	35	5 GAL
*	Dasylium wheeleri	Desert Spoon	12	5 GAL
○	Euphorbia rigida	Gopher Plant	215	5 GAL
○	Hesperaloe funifera	Giant Hesperaloe	116	5 GAL
+	Muhlenbergia lindheimeri	Autumn Glow	107	5 GAL
*	Nolina microcarpa	Bear Grass	48	5 GAL
○	Tetranneuris Acaulis	Angelita Daisy	454	1 GAL
INERT GROUND COVER				
NOT SHOWN	1/2" Screened Rock - 75,812 s.f. at a depth of 2". Apache Brown or approved equal at Owner's discretion. All areas within the ROW or between sidewalk and curb where the sidewalk is beyond the ROW shall be treated with screened rock.			
BOULDERS				
Apache Brown Boulders:				
SYM.	SIZE	QTY.		
○	3"	10		
○	2"	33		
○	18"	28		

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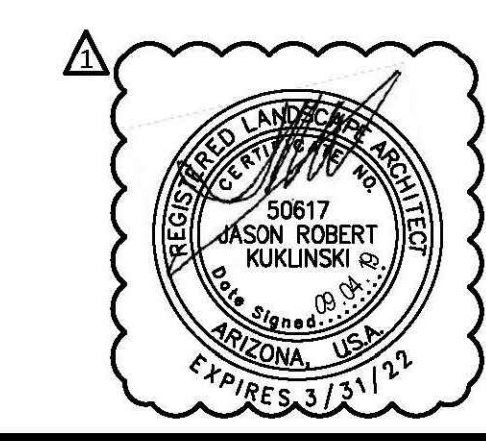
DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

M.L.K. JR. WAY			
36TH STREET TO TUCSON MARKETPLACE BLVD			
Approvals	Signatory	Date	Approved _____ 20__
			27
			OF
			32
TRANSPORTATION DIRECTOR			
REF. XX-XX-XX			SCALE: 1"=40'
DRAWN BY GJ 2018 DESGN BY GJ 2018 CHKD. BY JK 2018			PLAN NO. I-2018-024

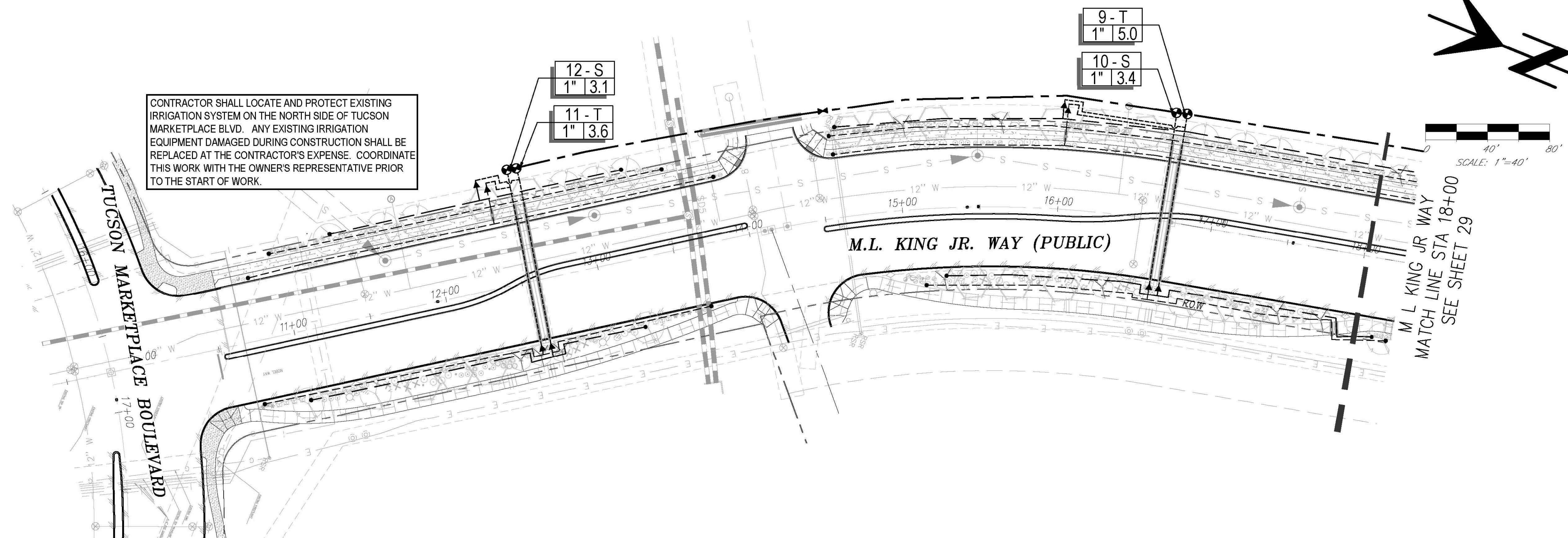


LANDSCAPE PLAN

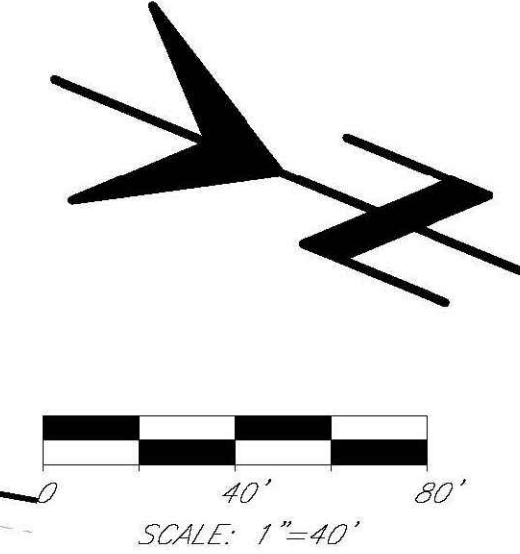
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1	08/04/19	DP RESUBMITTAL			



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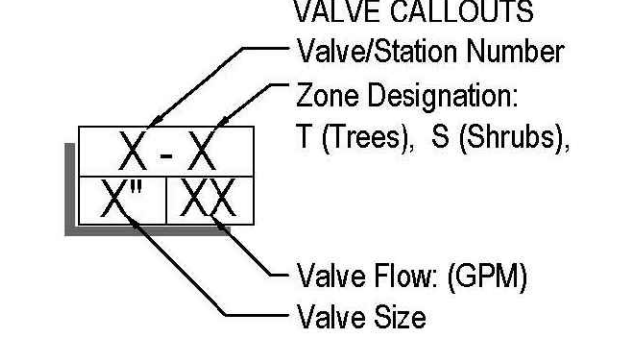


CONTRACTOR SHALL LOCATE AND PROTECT EXISTING IRRIGATION SYSTEM ON THE NORTH SIDE OF TUCSON MARKETPLACE BLVD. ANY EXISTING IRRIGATION EQUIPMENT DAMAGED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. COORDINATE THIS WORK WITH THE OWNER'S REPRESENTATIVE PRIOR TO THE START OF WORK.



IRRIGATION LEGEND

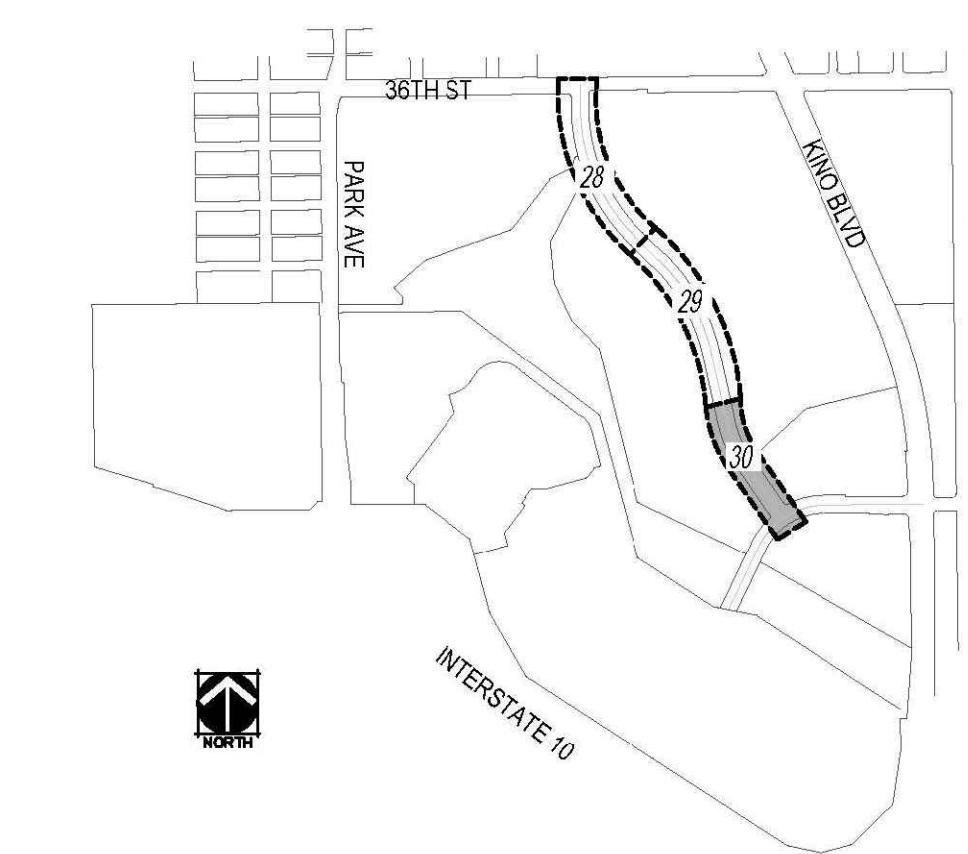
SYM.	EQUIPMENT DESCRIPTION	COMMENTS
POC	Irrigation Point of Connection	See Civil Plans
	1" Water meter at 2" Water Line	
M	1" Water Meter - By Others	See Civil Plans
B	1" Febco Backflow Preventer, 825YA Guardshack Enclosure, GS-1, Tan	Detail 9, Sheet 32 Detail 10, Sheet 32
C	Hunter ACC, 12 Stations ACC-1200-PED	Detail 8, Sheet 31 Pedestal mount & wiring board
◇	Hunter Solar Sync Sensor - Wireless Pole mounted	Detail 8, Sheet 32
⊕	Master Valve Assembly (2) Carson Valve Box, Jumbo (1220) 1" Hunter ICV, ICV-101G 1" Sch. 80 Ball Valve 1" Hunter Flow Sensor (FCT-10)	Detail 13, 14, Sheet 31 Color: Green
●	Drip Valve Assembly Carson Valve Box, Jumbo (1220) 1" Hunter ICV, ICV-101G 1" Sch. 80 Ball Valve, 1" Hunter Y-Filter 150 SS Mesh	Detail 2, Sheet 32
▲	Senninger Pressure Regulator PRL-30 Carson Valve Box, 12" Standard (1419)	3/4" 0.5 - 8 GPM, Detail 3, Sheet 32
▶	T-113-IRR NIBCO Bronze Main Line Isolation Gate Valve or Approved Equal	Detail 1, Sheet 32 Size per Mainline
—	Sleeve - SCH 40 PVC	Size=2x sum of sleeved pipes
—	1-1/2" Mainline -SCH 40 PVC	
---	1" Lateral line -SCH 40 PVC.	
Tree	3/4" SCH 40 PVC w/ Rainbird XBT-10-6 & XBT-20-6, 6 port Multi-outlet Emitters per Emitter Schedule	Detail 15, Sheet 31 In 6" round box
Shrub		
—●	Hose End Flush Cap	In 6" round box Detail 7, Sheet 32



EMITTER SCHEDULE

- Install Drip Emitters as Follows:
- Shrubs, Accents and Groundcovers
- All accents and cacti: 1-1 GPH Rainbird XBT-10PC emitter each
 - All 1 Gal. groundcovers: 2-1 GPH Rainbird XBT-10PC emitter each
 - All 5 Gal. plants: 2-1 GPH Rainbird XBT-10PC emitter each
- Trees and Transplanted Trees
- All 15 Gal. trees: 1-12 GPH Rainbird XBT-20-6 each
 - All 24" Box trees: 1-12 GPH Rainbird XBT-20-6 each
 - All 36" Box trees: 1-12 GPH Rainbird XBT-20-6 each
 - All 48" Box trees: 1-12 GPH Rainbird XBT-20-6 each
 - Transplanted trees: 1-12 GPH Rainbird XBT-20-6 each

Note:
1. Install Rainbird DBC-025 Diffuser Bug Cap at the ends of all 1/4" distribution tubing. 1/4" Distribution tubing not to exceed 10' in length.



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DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

M.L.K. JR. WAY
36TH STREET TO TUCSON MARKETPLACE BLVD

IRRIGATION PLAN

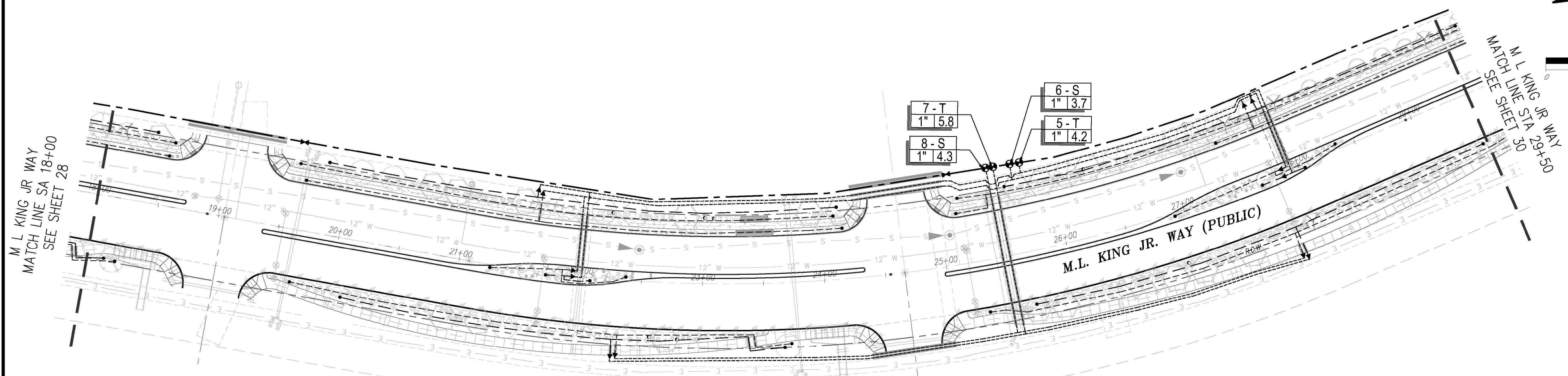
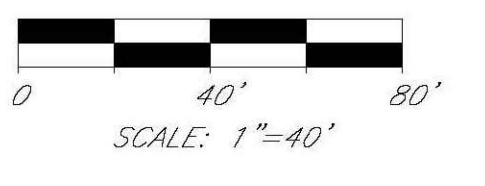
NO.	DATE	REVISION	BY	CHKD.	APPR.
Δ	08/04/19	DP RESUBMITTAL			

CITY OF TUCSON
30617 JASON ROBERT KUKLINSKI
P.L.L.C.
ARIZONA, U.S.A.
EXPIRES 3/31/19

Approvals	Signatory	Date	Approved	28
				OF
				32
TRANSPORTATION DIRECTOR				
REF. XX-XX-XX SCALE: 1"=40'				
DRAWN BY GJ 2018 DESIGNED BY GJ 2018 CHECKED BY JK 2018				
PLAN NO. I-2018-024				

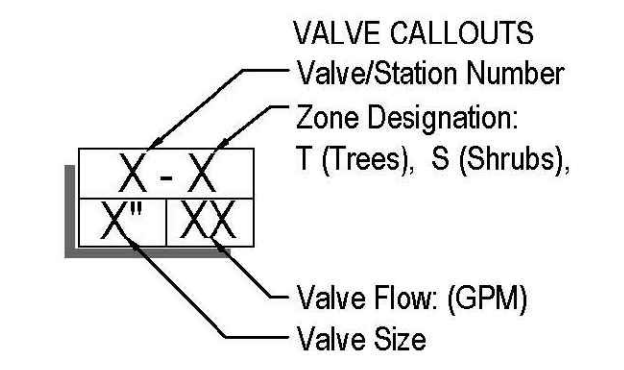
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P.L.L.C.
ARIZONA, U.S.A.
EXPIRES 3/31/19



IRRIGATION LEGEND

SYM.	EQUIPMENT DESCRIPTION	COMMENTS
POC	Irrigation Point of Connection	See Civil Plans
	1" Water meter at 2" Water Line	
M	1" Water Meter - By Others	See Civil Plans
B	1" Febco Backflow Preventer, 825YA	Detail 9, Sheet 32
	Guardshack Enclosure, GS-1, Tan	Detail 10, Sheet 32
C	Hunter ACC, 12 Stations	Detail 8, Sheet 31
	ACC-1200-PED	Pedestal mount & wiring board
◇	Hunter Solar Sync Sensor - Wireless	Detail 8, Sheet 32
	Pole mounted	
⊕	Master Valve Assembly	Detail 13, 14, Sheet 31
	(2) Carson Valve Box, Jumbo (1220)	Color: Green
	1" Hunter ICV, ICV-101G	
	1" Sch. 80 Ball Valve	
	1" Hunter Flow Sensor (FCT-10)	
●	Drip Valve Assembly	Detail 2, Sheet 32
	Carson Valve Box, Jumbo (1220)	
	1" Hunter ICV, ICV-101G	
	1" Sch. 80 Ball Valve, 1" Hunter Y-Filter 150 SS Mesh	
▲	Senninger Pressure Regulator PRL-30	3/4" 0.5 - 8 GPM, Detail 3, Sheet 32
	Carson Valve Box, 12" Standard (1419)	
▶	T-113-IRR NIBCO Bronze Main Line	Detail 1, Sheet 32
	Isolation Gate Valve or Approved Equal	Size per Mainline
—	Sleeve - SCH 40 PVC	Size=2x sum of sleeved pipes
—	1-1/2" Mainline -SCH 40 PVC	
---	1" Lateral line -SCH 40 PVC.	
Tree	3/4" SCH 40 PVC w/ Rainbird XBT-10-6 & XBT-20-6,	Detail 15, Sheet 31
Shrub	6 port Multi-outlet Emitters per Emitter Schedule	In 6" round box
—●	Hose End Flush Cap	In 6" round box
		Detail 7, Sheet 32

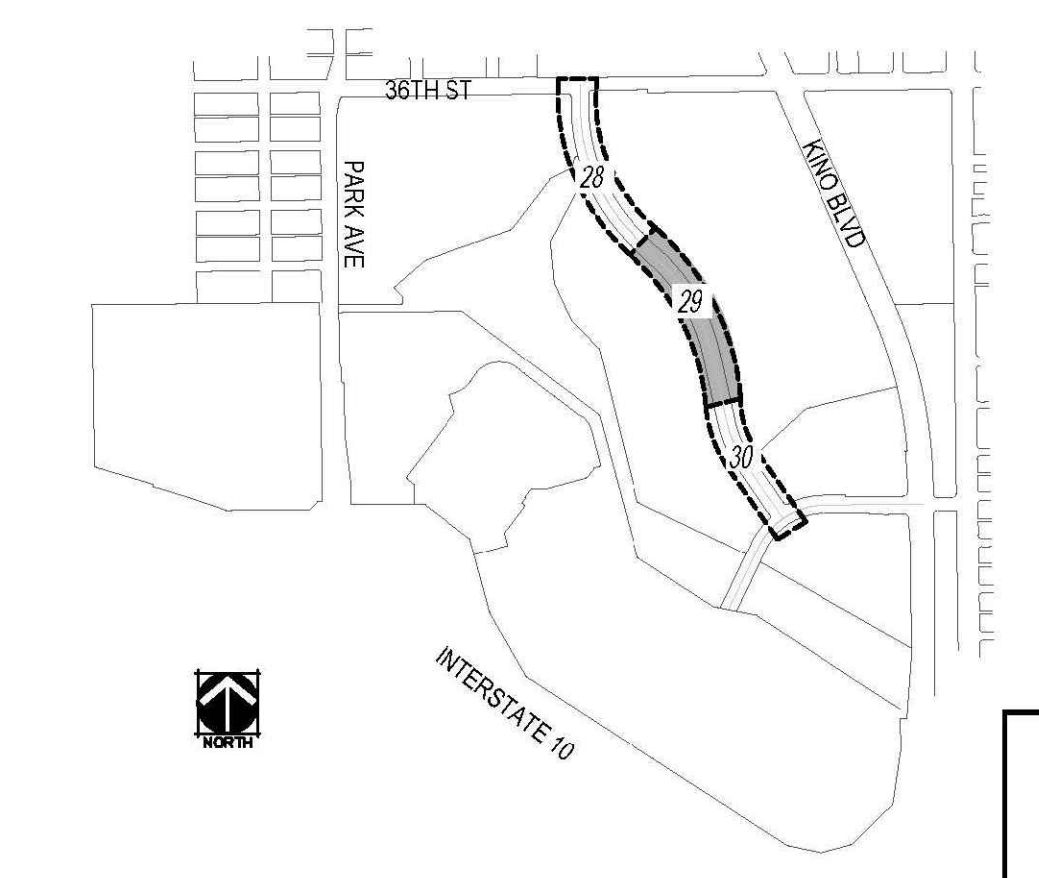


EMITTER SCHEDULE

- Install Drip Emitters as Follows:
- Shrubs, Accents and Groundcovers
- All accents and cacti: 1-1 GPH Rainbird XBT-10PC emitter each
 - All 1 Gal. groundcovers: 2-1 GPH Rainbird XBT-10PC emitter each
 - All 5 Gal. plants: 2-1 GPH Rainbird XBT-10PC emitter each
- Trees and Transplanted Trees
- All 15 Gal. trees: 1-12 GPH Rainbird XBT-20-6 each
 - All 24" Box trees: 1-12 GPH Rainbird XBT-20-6 each
 - All 36" Box trees: 1-12 GPH Rainbird XBT-20-6 each
 - All 48" Box trees: 1-12 GPH Rainbird XBT-20-6 each
 - Transplanted trees: 1-12 GPH Rainbird XBT-20-6 each

Note:
1. Install Rainbird DBC-025 Diffuser Bug Cap at the ends of all 1/4" distribution tubing. 1/4" Distribution tubing not to exceed 10' in length.

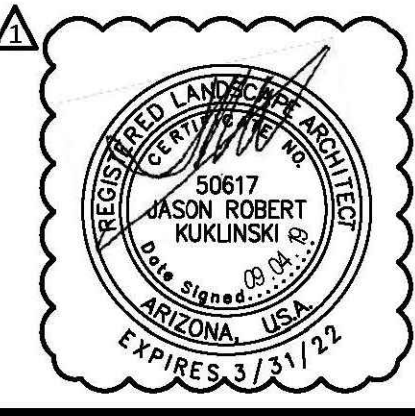
KEY MAP



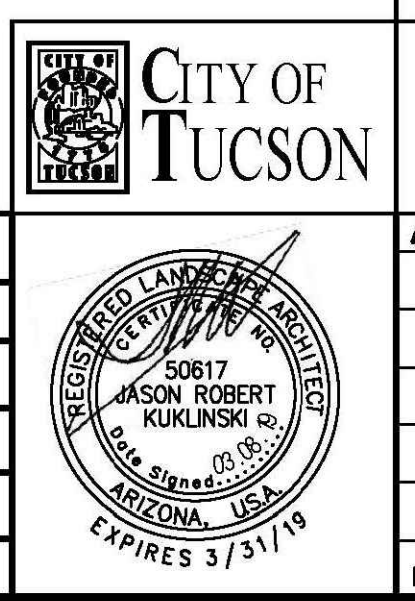
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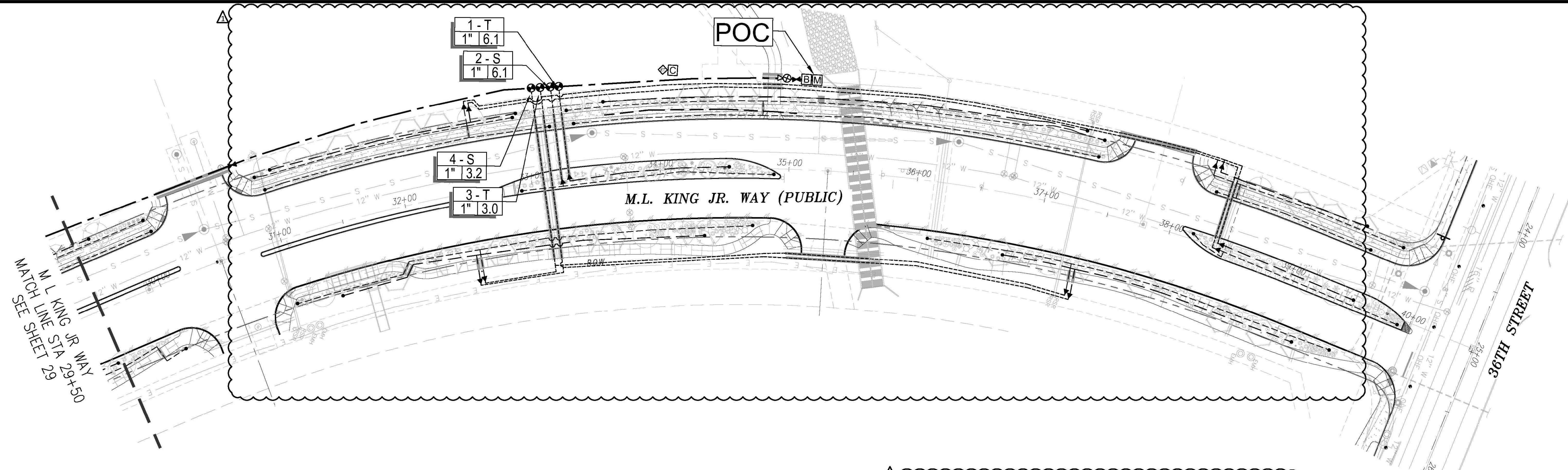
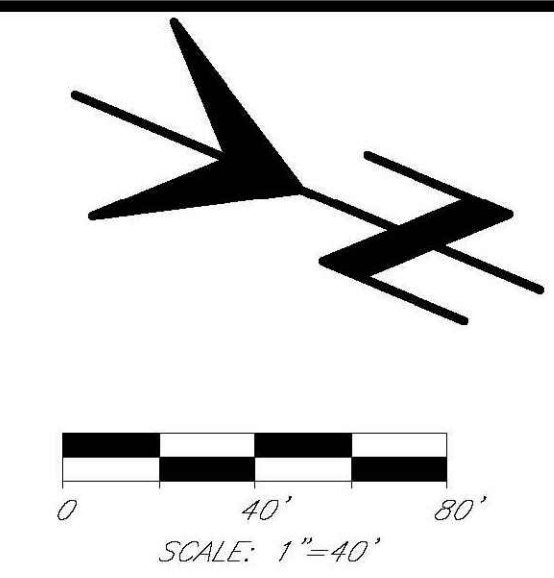
DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

M.L.K. JR. WAY
36TH STREET TO TUCSON MARKETPLACE BLVD

Approvals	Signatory	Date	Approved	29
			20	OF
			20	32

TRANSPORTATION DIRECTOR

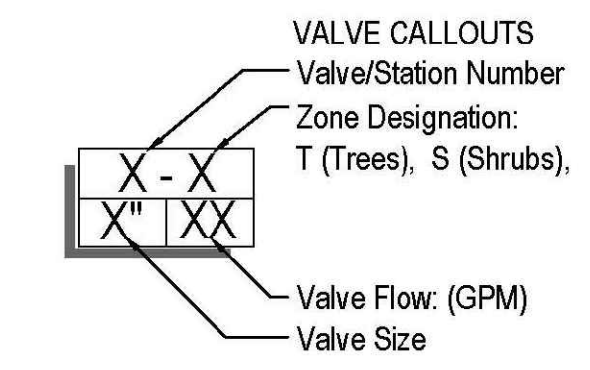
REF. XX-XX-XX SCALE: 1"=40'
PLAN NO. I-2018-024



MATCH LINE STA 29+50
SEE SHEET 29

IRRIGATION LEGEND

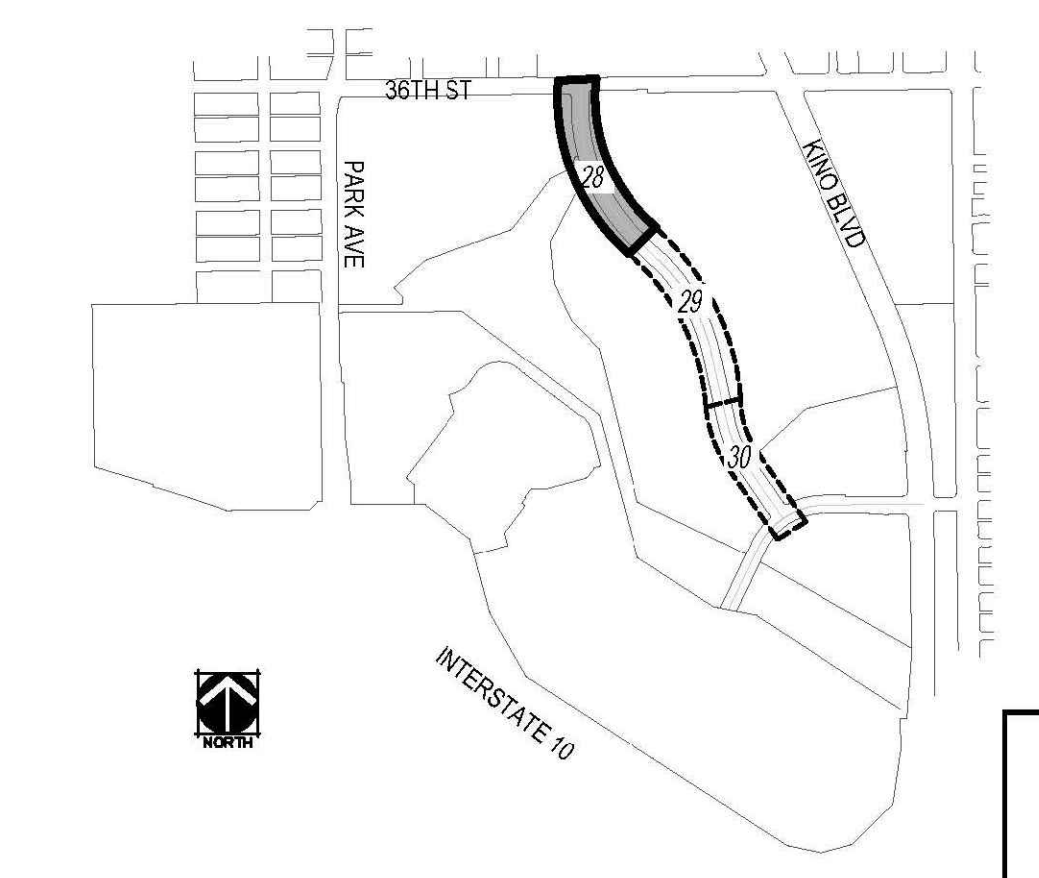
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Shrub		
—●	Hose End Flush Cap	In 6" round box Detail 7, Sheet 32



EMITTER SCHEDULE

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 - All 5 Gal. plants: 2-1 GPH Rainbird XBT-10PC emitter each
- Trees and Transplanted Trees
- All 15 Gal. trees: 1-12 GPH Rainbird XBT-20-6 each
 - All 24" Box trees: 1-12 GPH Rainbird XBT-20-6 each
 - All 36" Box trees: 1-12 GPH Rainbird XBT-20-6 each
 - All 48" Box trees: 1-12 GPH Rainbird XBT-20-6 each
 - Transplanted trees: 1-12 GPH Rainbird XBT-20-6 each
- Note:
- Install Rainbird DBC-025 Diffuser Bug Cap at the ends of all 1/4" distribution tubing. 1/4" Distribution tubing not to exceed 10' in length.

KEY MAP



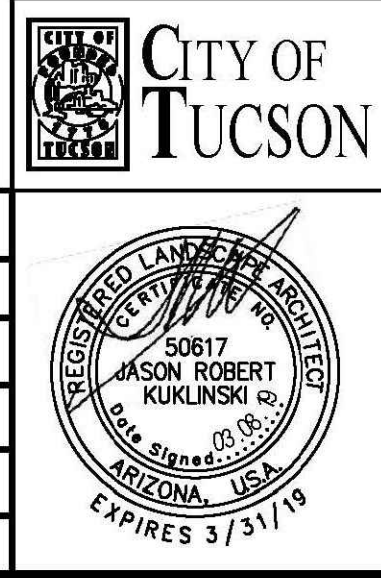
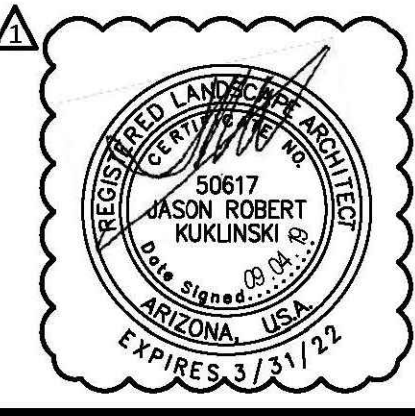
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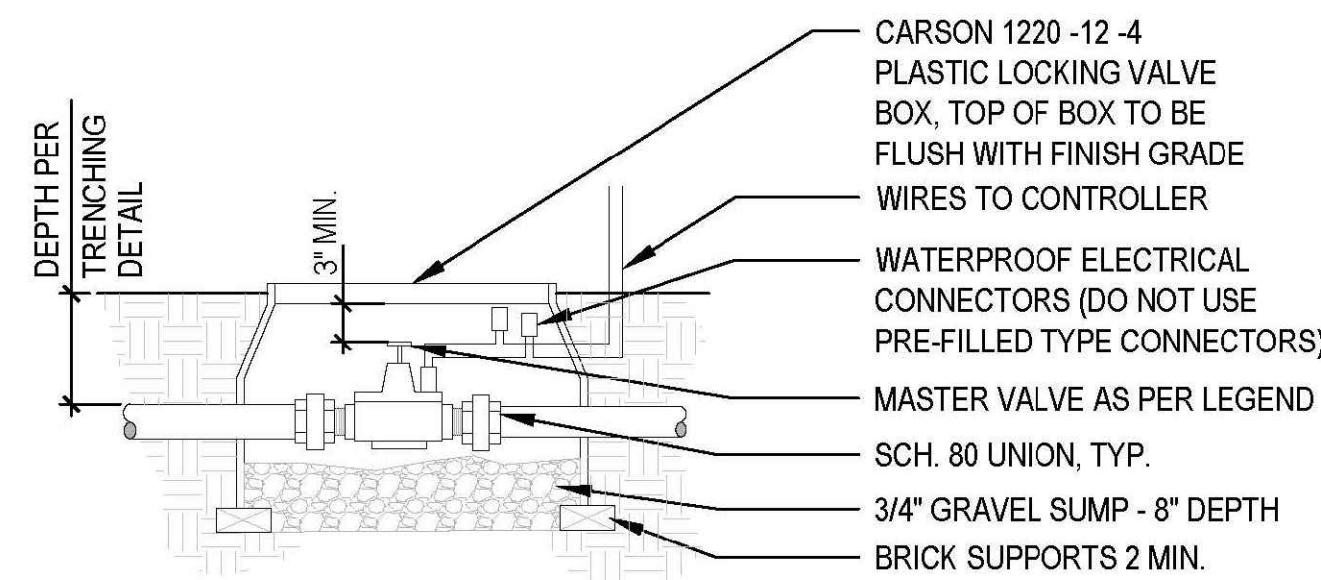
DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

M.L.K. JR. WAY		
36TH STREET TO TUCSON MARKETPLACE BLVD		
Approvals	Signatory	Date
Approved _____		20__
TRANSPORTATION DIRECTOR		30
REF. XX-XX-XX		of
SCALE: 1"=40'		32
PLAN NO. I-2018-024		

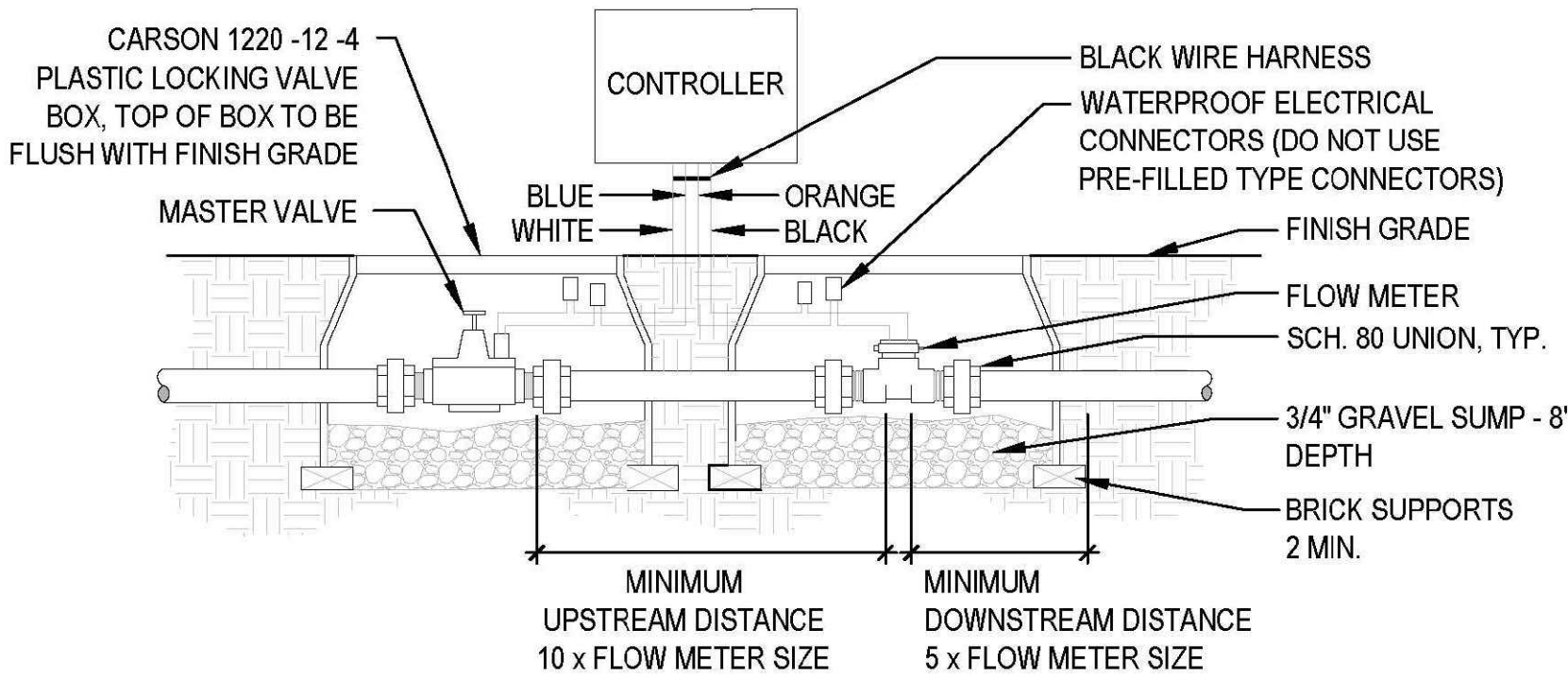
IRRIGATION PLAN					
NO.	DATE	REVISION	BY	CHKD.	APPR.
1	08/04/19	DP RESUBMITTAL			



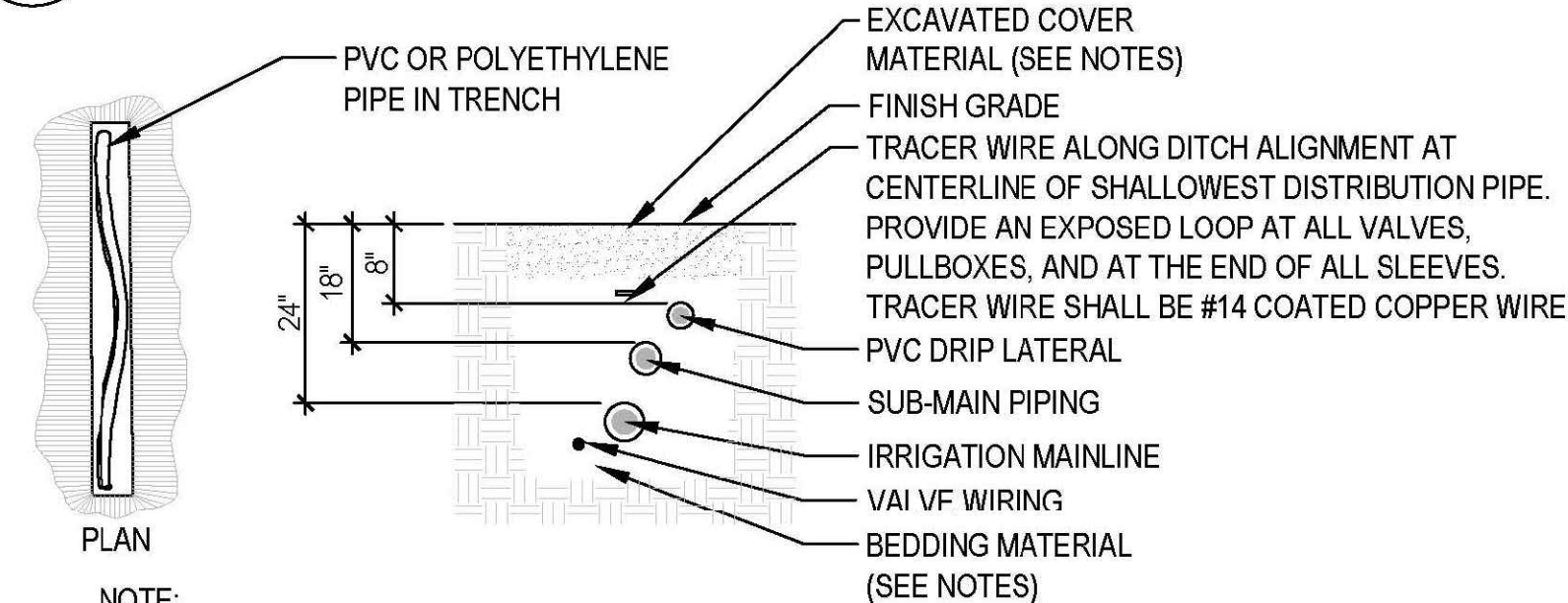
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13 MASTER VALVE ASSEMBLY
SCALE: NTS

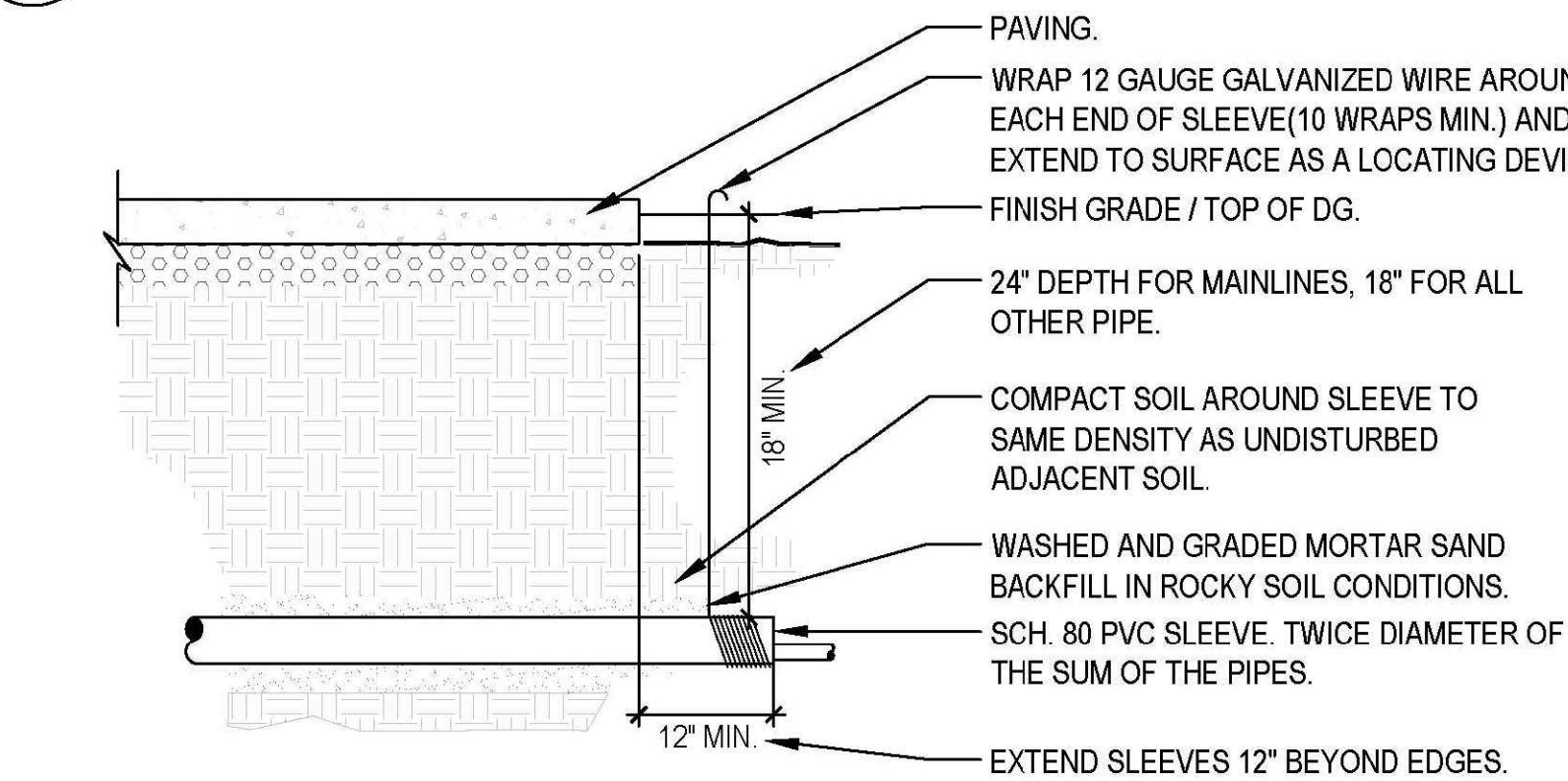


14 MASTER VALVE/FLOW METER INSTALLATION
SCALE: NTS



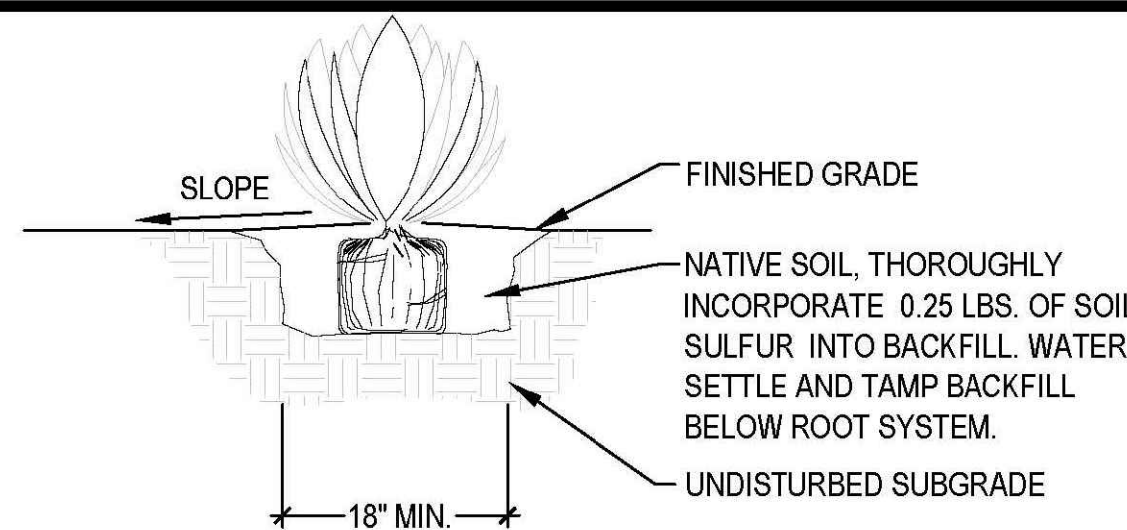
- NOTE:**
1. ALL MAINLINES TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
 2. ALL PVC PIPING AND ELECTRICAL WIRE TO BE SNAKED IN TRENCHES.
 3. ALL 120 VOLT WIRING IN CONDUIT TO BE INSTALLED AS PER LOCAL CODES.
 4. ALL ELECTRICAL WIRE CONNECTIONS TO VALVES AND SPLICES TO BE INSTALLED WITHIN A VALVE BOX AND MADE WITH DRY WATERPROOF CONNECTORS, OR APPROVED EQUAL.
 5. BUNDLE AND TAPE WIRING AT 10' INTERVALS.
 6. VALVE WIRES TO BE INSTALLED WITHIN MAINLINE TRENCH WHEREVER POSSIBLE.
 7. BEDDING MATERIAL SHALL BE 1/4" MINUS SAND, AND SHALL BE 3" BELOW LOWEST PIPE OR WIRE AND 3" ABOVE HIGHEST PIPE OR WEIR WITHIN TRENCH.
 8. BEDDING MATERIAL SHALL BE IN MAINLINE TRENCH ONLY.
 9. BACKFILL POLYETHYLENE DRIP TUBING TRENCHES WITH EXCAVATED COVER MATERIAL.
 10. EXCAVATED COVER MATERIAL SHALL BE FREE FROM DEBRIS AND ROCKS 1/2" OR GREATER.
 11. PIPE BEDDING MATERIAL TO BE ROCK & DEBRIS FREE, BACKFILL IN 6" LIFTS, PUDDLE WITH WATER, BETWEEN LIFTS.
 12. MULTIPLE PIPES AT THE SAME DEPTH IN THE SAME TRENCH MUST HAVE A MINIMUM OF 4" OF SEPARATION.
 13. REFER TO IRRIGATION SLEEVE DETAIL FOR SLEEVING.

15 TRENCH
SCALE: NTS



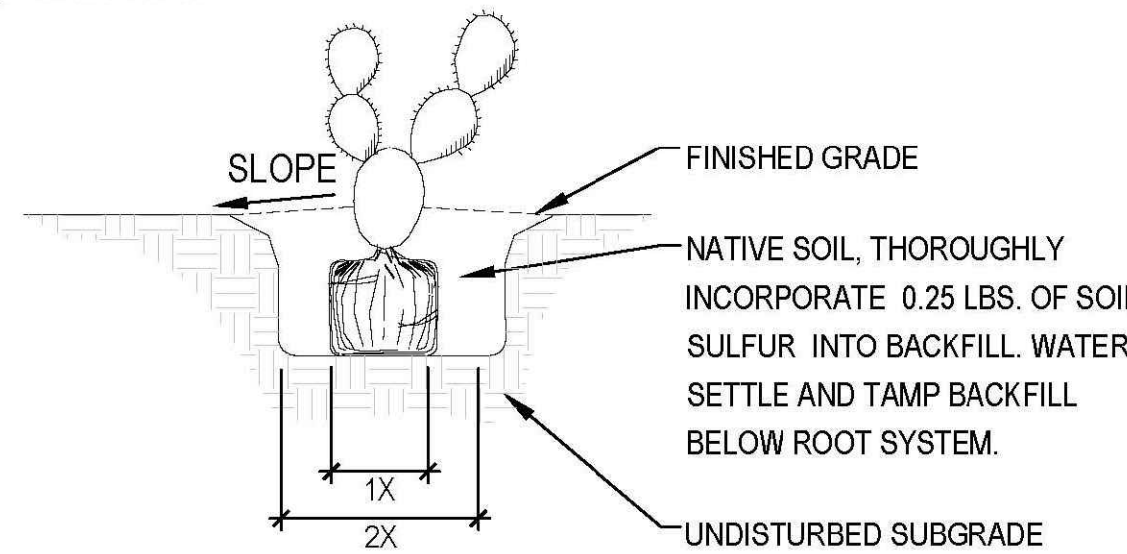
- NOTE:**
1. CAP SLEEVES UNTIL USE.
 2. MULTIPLE SLEEVES REQUIRE 4" SEPARATION WITHIN SAME SLEEVE TRENCH.
 3. IRRIGATION PIPE AND WIRE SHALL NOT SHARE THE SAME SLEEVE.
 4. MARK / STAMP - IS (IRRIGATION SLEEVE) AND/OR PLACARD AT BACK OF CURB.

16 IRRIGATION SLEEVE
SCALE: NTS



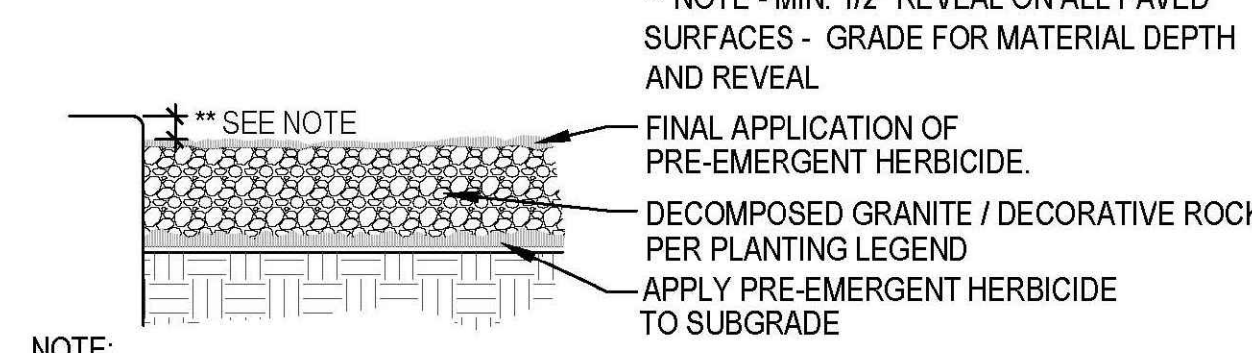
- NOTES:**
1. DO NOT CREATE BASIN AT BASE OF ACCENT. SLOPE BACKFILL AWAY FROM PLANT.
 2. USE DRY SITE SOIL ONLY IN PIT - NO MULCH.

8 ACCENT/BARREL CACTI PLANTING
SCALE: NTS



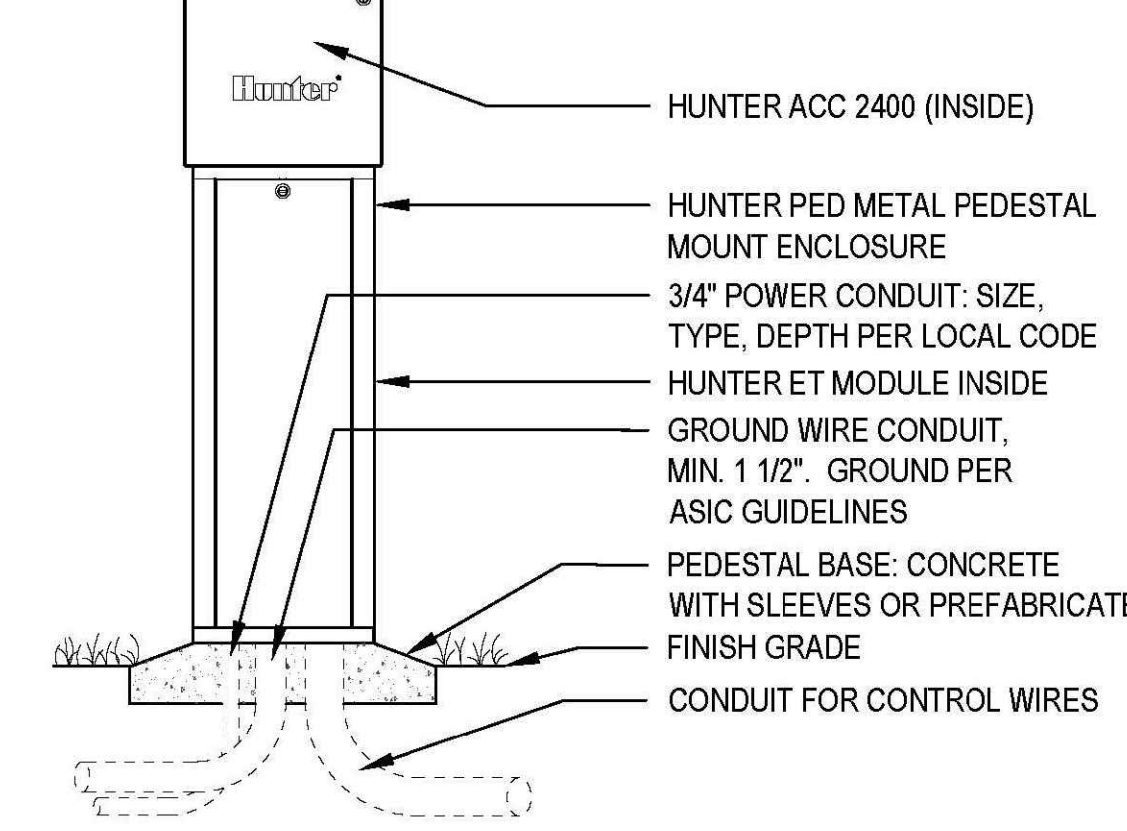
- NOTES:**
1. DO NOT CREATE BASIN AT BASE OF CACTUS. SLOPE BACKFILL AWAY FROM PLANT.

9 PRICKLY PEAR PLANTING
SCALE: NTS



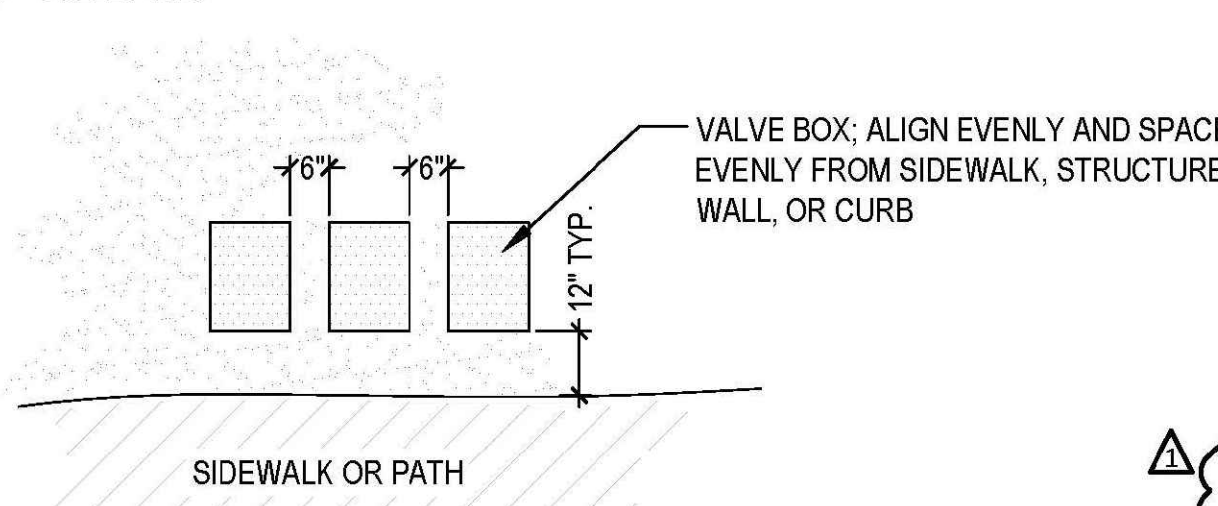
- NOTE:**
1. APPLY PRE-EMERGENT HERBICIDE PER LABEL DIRECTIONS AND RATE

10 INERT GROUND COVER
N.T.S.



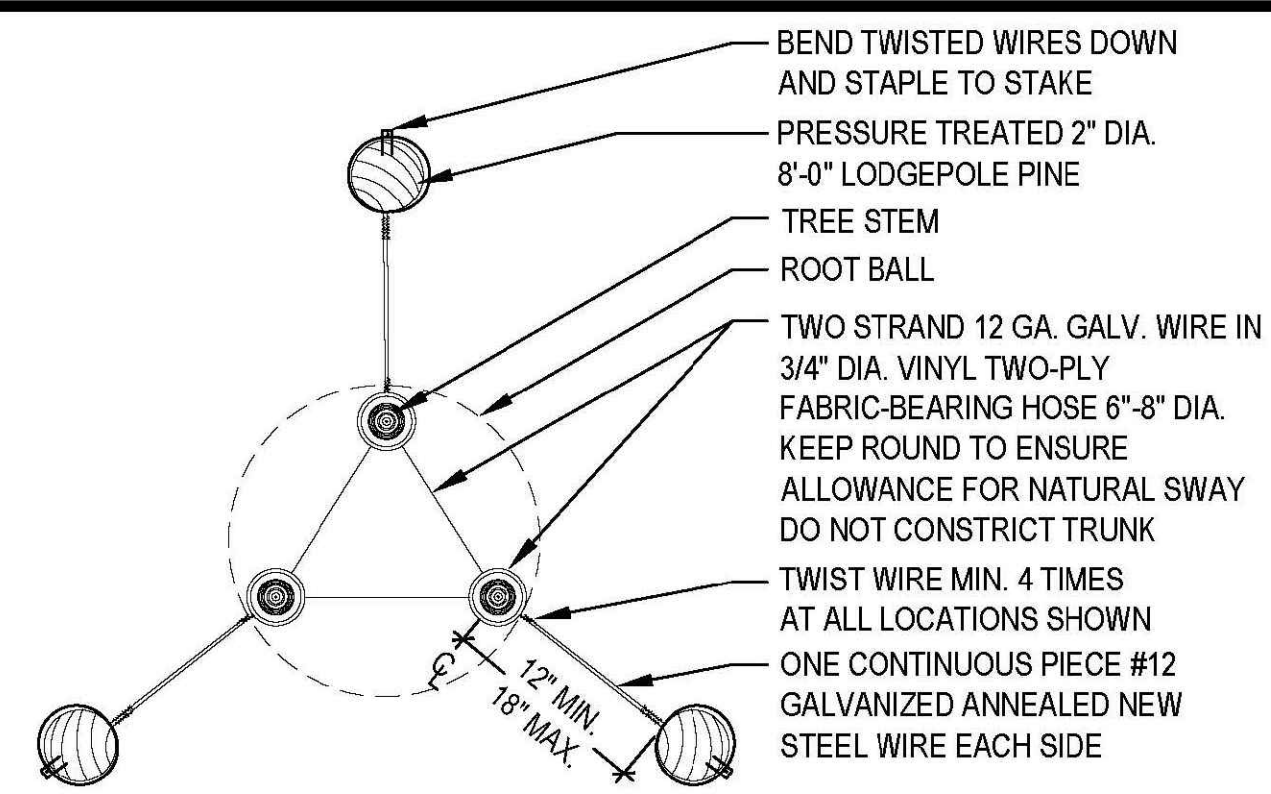
- NOTE:**
1. ALL ELECTRICAL AND CONTROLLER WIRE TO BE INSTALLED PER LOCAL CODE AND MANUFACTURER'S SPECIFICATIONS.
 2. GROUND CONTROLLER PER LOCAL CODE AND MANUFACTURER'S SPECIFICATIONS.
 3. PROVIDE WATERPROOF SEALANT FOR ALL CONDUIT AND WIRE ACCESS POINTS.
 4. PROVIDE LOCK AND KEY FOR ENCLOSURE.

11 PEDESTAL CONTROLLER INSTALLATION
SCALE: NTS

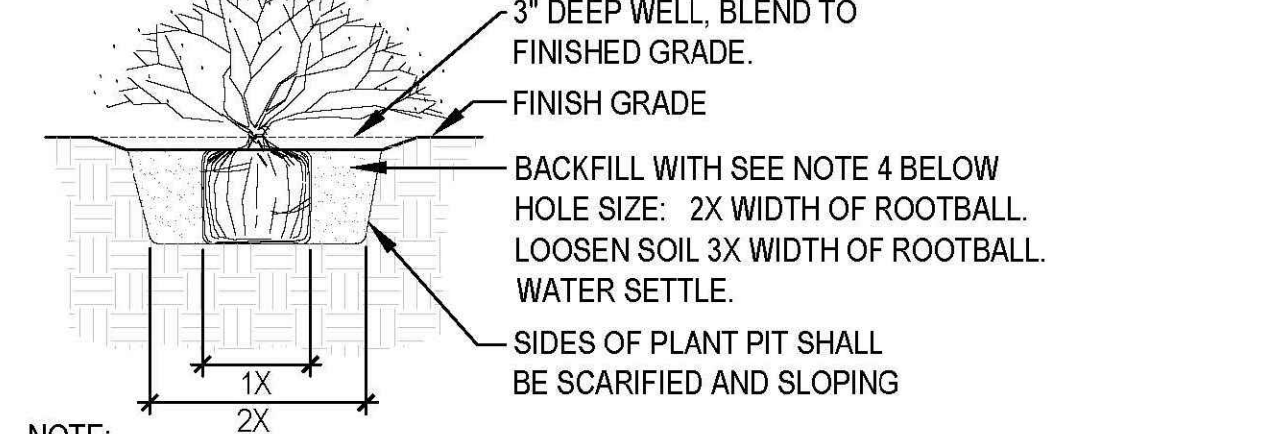


- NOTE:**
1. DO NOT PLACE VALVE(S) IN PEDESTRIAN OR TURF AREAS

12 VALVE BOX PLACEMENT
SCALE: NTS

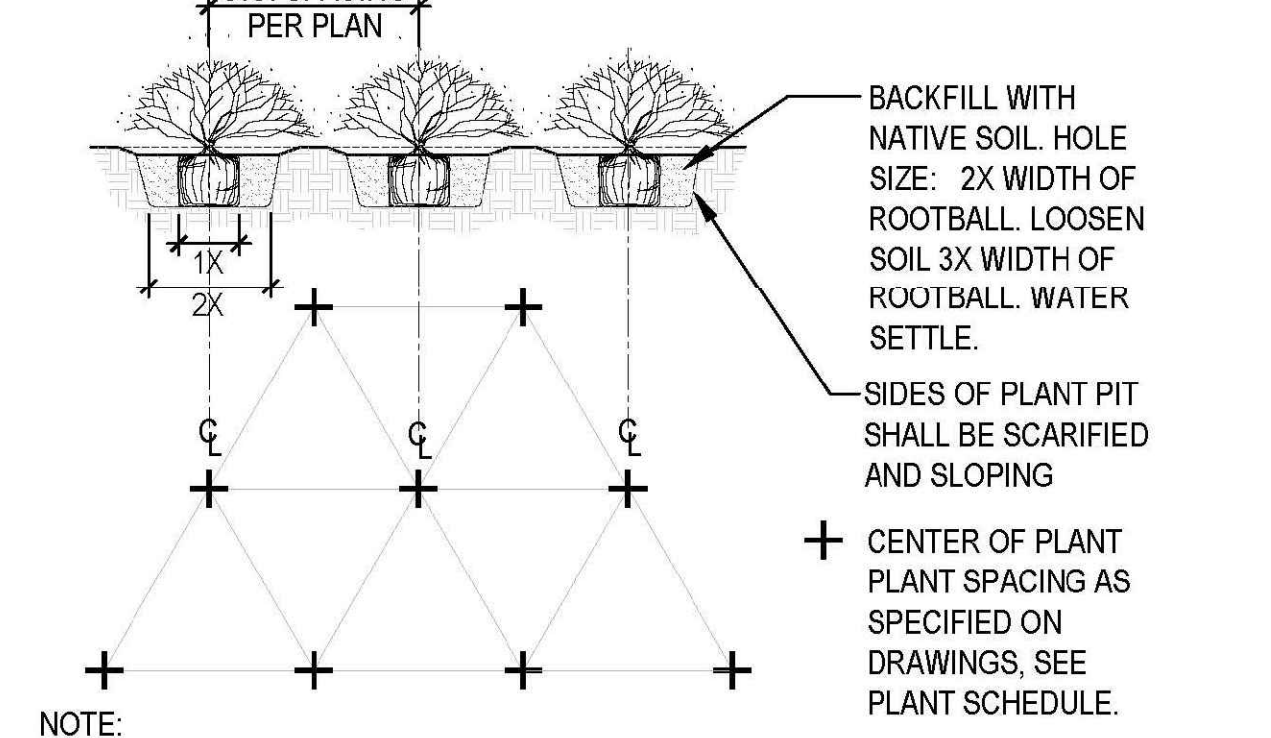


4 MULTI-TRUNK TREE STAKING
SCALE: NTS



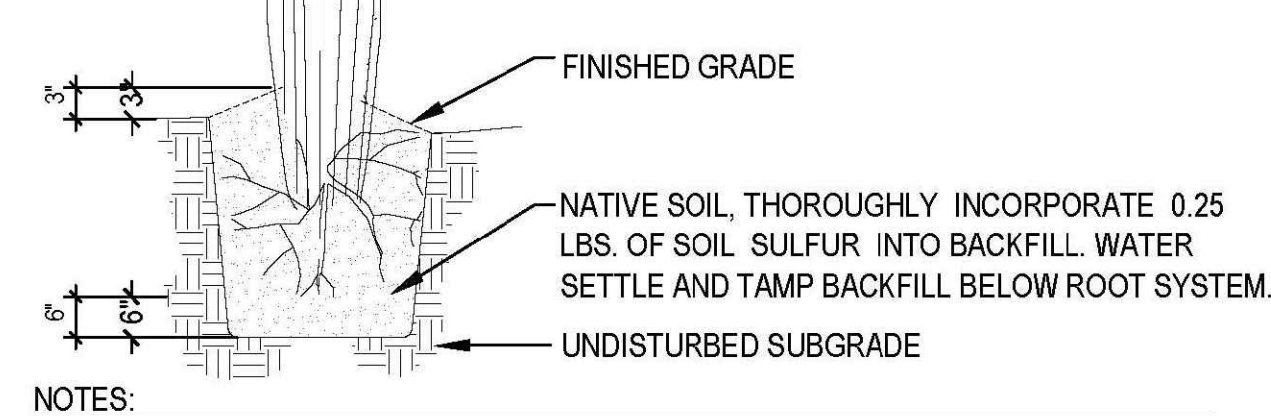
- NOTE:**
1. CARE SHOULD BE TAKEN NOT TO DAMAGE THE SHRUB OR ROOT BALL WHEN REMOVING IT FROM ITS CONTAINER.
 2. BROKEN OR CRUMBLING ROOT BALLS WILL BE REJECTED.
 3. PRUNE ALL DEAD OR DAMAGED WOOD PRIOR TO PLANTING.
 4. SEE PIMA COUNTY / CITY OF TUCSON STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS 2003 EDITION SECTION 806-2.03 TREES, SHRUBS AND PLANTS FOR BACKFILL MIX.

5 SHRUB/GROUNDCOVER PLANTING
SCALE: NTS



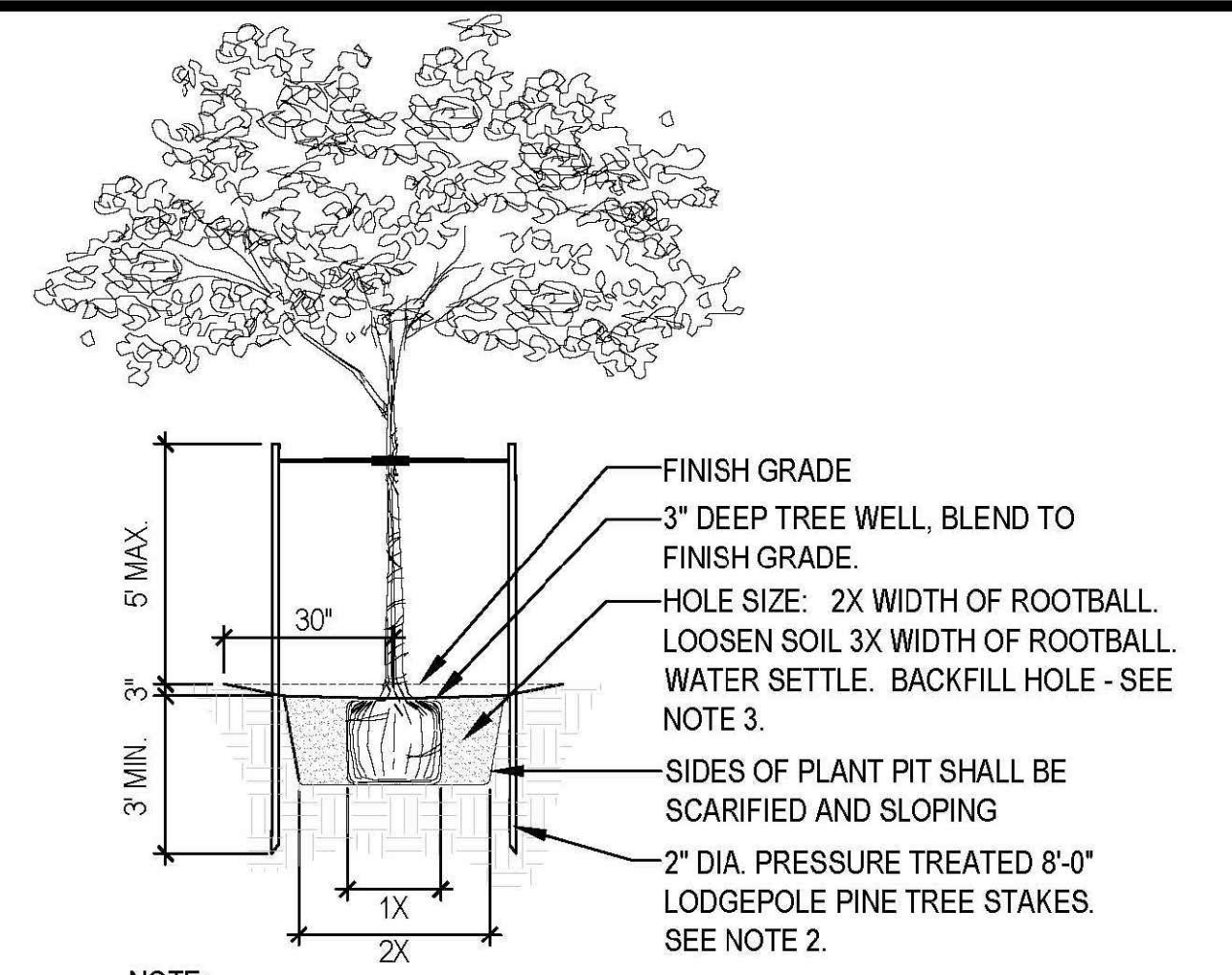
- NOTE:**
1. CARE SHOULD BE TAKEN NOT TO DAMAGE THE SHRUB OR ROOT BALL WHEN REMOVING IT FROM ITS CONTAINER.
 2. BROKEN OR CRUMBLING ROOT BALLS WILL BE REJECTED.
 3. PRUNE ALL DEAD OR DAMAGED WOOD PRIOR TO PLANTING.

6 GROUNDCOVER PLANTING
SCALE: NTS



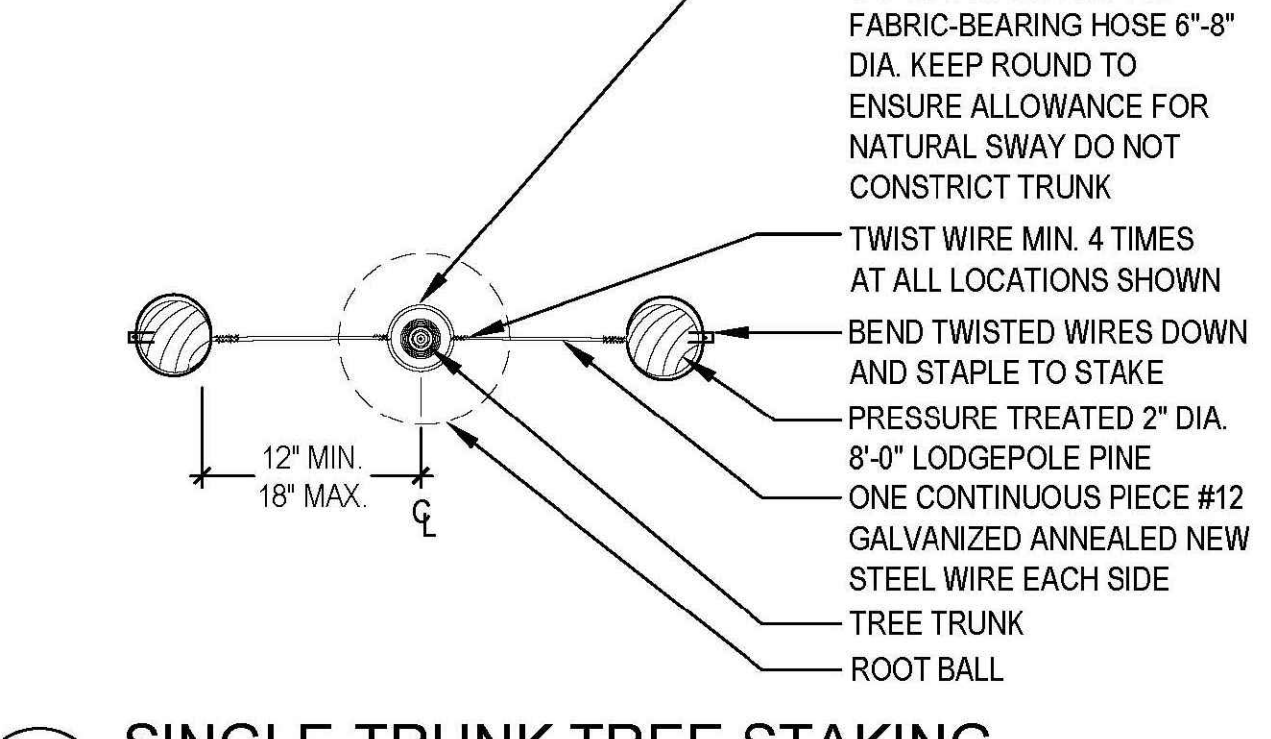
- NOTES:**
1. PLANT PIT TO BE 6\"/>
 - 2. ROOT PRUNE ALL DAMAGED ROOTS. INSPECTION OF ROOT SYSTEM BY LANDSCAPE ARCHITECT REQUIRED PRIOR TO INSTALLATION.
 - 3. USE DRY NATIVE SITE SOIL ONLY IN PIT - NO MULCH.
 - 4. DO NOT CREATE BASIN AT BASE OF CACTUS. SLOPE BACKFILL AWAY FROM PLANT.
 - 5. AT SITE, DUST ENTIRE ROOT STRUCTURE WITH WETTABLE DUSTING SULFUR. (1.5 LBS. MIN.) AS PER INDUSTRY STANDARDS.

7 BARREL/SAGUARO CACTUS PLANTING
SCALE: NTS

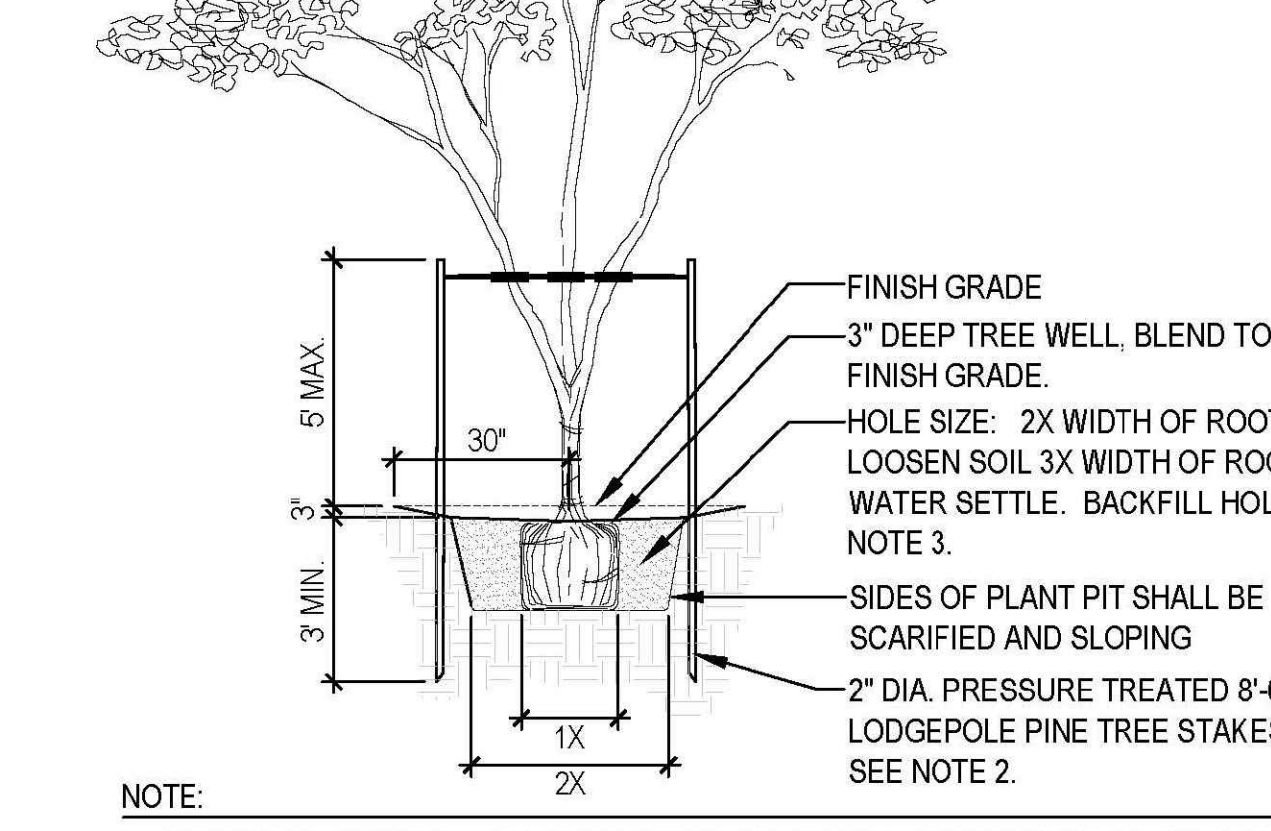


- NOTE:**
1. SET TOP OF ROOTBALL 4\"/>
 - 2. DRIVE TREE STAKES 3\"/>
 - 3. SEE PIMA COUNTY / CITY OF TUCSON STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS 2003 EDITION SECTION 806-2.03 TREES, SHRUBS AND PLANTS FOR BACKFILL MIX.
 - 4. INSTALL BERM ON DOWNSIDE OF SLOPES FOR TREES ON GRADE OF 5:1 OR GREATER.

1 SINGLE-TRUNK TREE PLANTING
SCALE: NTS



2 SINGLE-TRUNK TREE STAKING
SCALE: NTS



- NOTE:**
1. SET TOP OF ROOTBALL 4\"/>
 - 2. DRIVE TREE STAKES 3\"/>
 - 3. SEE PIMA COUNTY / CITY OF TUCSON STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS 2003 EDITION SECTION 806-2.03 TREES, SHRUBS AND PLANTS FOR BACKFILL MIX.
 - 4. INSTALL BERM ON DOWNSIDE OF SLOPES FOR TREES ON GRADE OF 5:1 OR GREATER.

3 MULTI-TRUNK TREE PLANTING
SCALE: NTS

Record Document
Dated: 02/03/2026

NORRIS DESIGN
Planning | Landscape Architecture | Branding

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DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION			
M.L.K. JR. WAY			
36TH STREET TO TUCSON MARKETPLACE BLVD			
Approvals	Signatory	Date	Approved
			20
			31
			32
TRANSPORTATION DIRECTOR			
REF. XX-XX-XX SCALE: 1"=40'			
DRWN. BY	GJ	20 18	CSHL. BY
			CHKD. BY
			APPR.
NO.	DATE	REVISION	BY

CONSTRUCTION DETAILS

09/04/19 DP RESUBMITTAL

CITY OF TUCSON

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ARIZONA, USA
EXPIRES 3/31/19

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