CITY OF PRESCOTT
ARIZONA
Everybody's Hometown

Public Works Department

433 N. Virginia Street
Prescott, AZ 86301
(928) 777-1130

ADDENDUM NUMBER TWO

for the

Alarcon Street Improvements Project

DATE OF ADDENDUM: October 11, 2016

TO ALL BIDDERS BIDDING ON THE ABOVE PROJECT:

The following addendum shall be made part of the Project Specifications and Contract Documents. All other provisions of the Contract Documents remain unchanged. The Bidder shall acknowledge receipt of this Addendum on page 16 of the Proposal, in addition to signing below and returning this form with the bid package. The contents of this Addendum shall be given full consideration in the preparation of the Bid.

Clarification to questions from the mandatory pre-bid meeting on August 9, 2016:

B: Where is the relocation of the fire hydrants going to be? The plans don't show the existing locations and where they will be moved.
Response: The relocation of the fire hydrants is now shown on sheets 13-15 of the plans provided with this addendum.

D: Are there any details for the shallow box culvert? Does it have a lid? What is the thickness of the base?
Response: Details for the shallow box culvert are now shown on sheets 13-15 of the plans provided with this addendum.

G: Bid Item 321.4 for tack coat seems to be double the quantity it needs to be. Is this correct?
Response: The quantity for Bid Item 321.4 has been changed to 1,195 gallons. A new Bid Schedule, dated 10/04/16, is provided with this addendum.

L: Is there a pay item for the export of base?
Response: No separate payment is provided for the export of base. Special Provisions 310.1.1 has been modified as noted below in this addendum.

V: Going back to the water meter box at 316P, there is a detail past that meter box that shows a customer shut off valve and PRV with a #1 box. Is that going to be included?
Response: Per Detail 316P, the box on the customer side is required.

Z: The 2" abandoned water line in the project area has been located and is now shown on all plan view sheets provided with this addendum.

Modification to Special Provision 310.1.1 Reclaimed Asphalt Pavement:

Add to "PAYMENT": No separate payment shall be made for the export of excess pulverized material.

Modification to Special Provision 340.4.1 Concrete Curb, Gutter, and Curb Terminations:

Add the following: Curb openings at basins to be paid at vertical curb price. No separate payment for removal and replacement of roof drains in vertical curb or channel.

Modification to Plan Set:

The plan sheets provided with this addendum replace in their entirety the original plan sheets provided with the bid packet. Revisions are noted on the plans.

- END -

City of Prescott, Public Works Department

Henry Hash

Henry Hash, Public Works Director

10-11-16

Date

Acknowledgement: (must be signed and turned in with the bid documents)

_____

Company Name

_____ _____

Signature of Company Official Date

Bidding Schedule: Revised 10/04/16

Alarcon Street Improvements Project CIP16-008

Item	Description	Quantity	Unit	Unit Cost	Amount
100.4	Public Relations Allowance	1	Allowance	$ 20,000.00	$ 20,000.00
104.3	Mobilization	1	LS		
105.8	Construction Staking	1	LS		
107.15	SWPPP	1	LS		
109.11	Contract Allowance	1	Allowance	$ 200,000.00	$ 200,000.00
310.1.1	Pulverize and Mix Existing Pavement and Base Material minimum 10" Deep	9,440	SY		
310.1.2	Prepare Pulverized Aggregate Base Course	9,272	SY		
321.1.1	2.5" A.C. Pavement Base Course (C-3/4)	7,962	SY		
321.1.2	2.5" A.C. Pavement Surface Course (C-1/2)	7,962	SY		
321.4	Emulsion Tack Coat (SS-1)	1,195	GN		
340.4.1a	Vertical Curb & Gutter Type A (220Q-1)	4,469	LF		
340.4.1b	4" Roll Curb Type C (220Q-1)	279	LF		
340.4.1c	5" Curb Transition Type A to Type C (221Q)	20	EA		
340.4.1d	Ribbon Curb Type B 12" Wide (220Q-1)	620	LF		
340.4.1e	Single Curb (MAG Std Dtl 222, Type B)	50	LF		
340.4.1f	3' Wide Concrete Channel	271	LF		
340.4.1g	4' Wide Concrete Channel	483	LF		
340.4.2a	4" Thick Sidewalk (230Q)	1,687	SF		
340.4.2b	6" Thick Sidewalk (230Q)	721	SF		
340.4.2c	Directional Pedestrian Ramp (232Q)	13	EA		
340.4.2d	Residential Driveway - 6" Thick Concrete (250Q-1)	1,525	SF		
340.4.2e	6' Wide Valley Gutter (240Q-1)	900	SF		
340.4.2f	Colored Stamped Concrete Median Pavement (Type II)	1,866	SF		
340.4.2g	Colored Stamped Concrete Crosswalk (Type I)	2,240	SF		
345.4	Valve Box Adjustment (270Q and 391Q)	3	EA		
350.2.1	Relocate Water Meter, Box, and Cover (316P)	4	EA		
350.2.2a	Remove Existing Tree	5	EA		
350.2.2b	Remove Existing Shrub	5	EA		
350.7	Remove Existing Sign	14	EA		
401.1a	Traffic Control Plan	1	LS		
401.2a	Barricades and Storage	1	LS		
401.2c	Incidental Traffic Control Items	1	LS		
402.2a	Thermoplastic Handicap Symbol	4	EA		
402.2b	Thermoplastic Sharrow Symbol	7	EA		
402.2c	18" Thermoplastic Striping - Stop Bar	102	LF		
402.4a	4" Permanent Striping - White Paint	2,310	LF		
402.4b	4" Permanent Striping - Yellow Paint	240	LF		

Bidding Schedule: Revised 10/04/16

Alarcon Street Improvements Project CIP16-008

Item	Description	Quantity	Unit	Unit Cost	Amount
403.1a	Traffic Signs (131Q)	14	EA		
403.1b	Street Name Signs (132P)	4	EA		
405.5	Survey Monument, Frame, and Cover Type A (120Q)	2	EA		
424	Parkway Grading	11,200	SF		
430.5a	1 Gallon Plants	226	EA		
430.5b	5 Gallon Plants	250	EA		
430.5c	15 Gallon Trees	40	EA		
430.5d	24" Box Trees	8	EA		
430.4a	1" Buckskin Gravel Granite	188	TN		
430.4b	City of Prescott Organic Chippings	42	TN		
430.4c	Granite Boulders (Size per plan)	105	EA		
430.4d	3"-6" River Rock (from on site source)	7	TN		
440.1a	Sched. 40 PVC Pipe & Sleeving (1" - 2")	1,620	LF		
440.1b	Poly Drip Line (3/4")	2,200	LF		
440.9	Remote Irrigation Controller w/Solar Array (Rain Master Evolution DX2)	1	EA		
505.1.1A	Shallow Box Culvert (2.5'x0.5')	68	LF		
520.5	Safety Rail (145Q)	80	LF		
610.1a	1" Backflow Assembly & Valve Manifold (324Q-1)	2	EA		
610.1b	Irrigation Manifold, Valves, Box and Cover	2	EA		
610.9	Relocate Fire Hydrant (360Q)	2	EA		
610.11a	1" Service Tap and Run to Meter (316P)	300	LF		
610.11b	Water Meter, Box, and Cover (316P)	2	EA		
SP2000.1	Landscape Maintenance (2-Year Period)	1	LS		
TOTAL BID		**$**			

TOTAL BID AMOUNT

_____ Dollars

(Written Words)

_____ _____

Signature of Company Official | Date

_____ _____

Company Name | Phone Number

_____ _____

Address | Fax Number

_____ _____

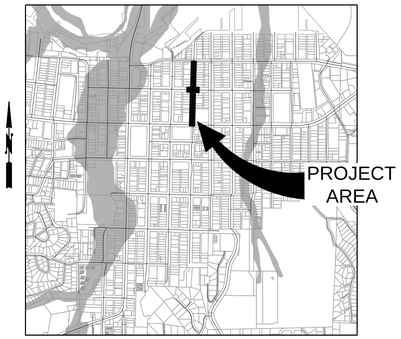
City/State | Zip Code

CITY OF PRESCOTT

PUBLIC WORKS DEPARTMENT

CIP# 16-008

ALARCON STREET IMPROVEMENT PROJECT



VICINITY MAP
NOT TO SCALE

MAYOR

HARRY B. OBERG

CITY COUNCIL

JIM LAMERSON
STEVE BLAIR
JEAN WILCOX
GREG LAZZELL
BILLIE ORR
STEVE SISCHKA

UTILITY INFORMATION

COMPANY	CONTACT	TELEPHONE
ARIZONA PUBLIC SERVICE CO. 6672 CORSAIR PRESCOTT, ARIZONA 86301	ERIC WHITMAN	(928)445-6660
CENTURYLINK 1445 MASONRY WAY PRESCOTT, ARIZONA 86301	KAREN PRUTZMAN	(928)776-2513
UNISOURCE GAS CO. 6405 WILKINSON DRIVE PRESCOTT, ARIZONA 86301	JEFF BROWN	(928)771-7227
CABLE ONE 3801 TOWER ROAD PRESCOTT, ARIZONA 86301	JOHNNY CEDILLO	(928)443-3348
CITY OF PRESCOTT WATER AND SEWER P.O. BOX 2059 PRESCOTT, ARIZONA 86301	CRAIG DOTSETH	(928)777-1130
BLUE STAKE - CALL TWO WORKING DAYS BEFORE YOU DIG 1-800-STAKE-IT outside Maricopa County	CALL TWO WORKING DAYS BEFORE YOU DIG 1-800-STAKE-IT 1-800-782-5348 (OUTSIDE MARICOPA COUNTY)	

NOTE: CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR COORDINATING ANY NECESSARY UTILITY RELOCATION WITH THE APPLICABLE UTILITY.

SPECIAL NOTE:
THE CITY OF PRESCOTT STANDARD DETAILS AND SPECIFICATIONS MEET MINIMUM DESIGN REQUIREMENTS OF THE EQUIVALENT MAG SPECIFICATIONS AND STANDARD DETAILS.

APPROVED TRAFFIC CONTROL PLAN AND R.O.W. PERMIT MUST BE OBTAINED FROM PUBLIC WORKS PRIOR TO BEGINNING WORK IN THE R.O.W.

CITY OF PRESCOTT PUBLIC WORKS IS RESPONSIBLE FOR INSPECTION OF IMPROVEMENTS IN THE R.O.W. AND DESIGNATED PUBLIC UTILITY EASEMENTS ONLY. ALL OTHER IMPROVEMENTS (ON-SITE) SHALL BE INDEPENDENTLY INSPECTED.

AS-BUILT CONSTRUCTION INSPECTION

DATE OF INSPECTOR APPROVAL:_____

PERMIT NUMBER:_____

PROJECT INSPECTOR:_____

CONTRACTOR:

NAME:

ADDRESS:_____

PHONE #:_____

CITY OF PRESCOTT
Everybody's Hometown

SHEET INDEX	
Sheet Number	Sheet Title
1	COVER SHEET & INDEX
2	LEGEND AND GENERAL NOTES
3	TYPICAL ROADWAY SECTIONS AND STRUCTURAL SECTION
4	HORIZONTAL CONTROL PLAN
5	MEDIAN STAKING AND SIDEWALK PLAN (1 OF 4)
6	MEDIAN STAKING AND SIDEWALK PLAN (2 OF 4)
7	MEDIAN STAKING AND SIDEWALK PLAN (3 OF 4)
8	MEDIAN STAKING AND SIDEWALK PLAN (4 OF 4)
9	PROJECT KEYMAP
10	DEMOLITION PLAN (1 OF 3)
11	DEMOLITION PLAN (2 OF 3)
12	DEMOLITION PLAN (3 OF 3)
13	ALARCON STREET ROADWAY PLAN STA 1+00 - 5+50
14	ALARCON STREET ROADWAY PLAN STA 5+50 - 10+50
15	ALARCON STREET ROADWAY PLAN STA 10+50 - END
16	PAVEMENT MARKINGS AND STREET LIGHTING
17	STORM WATER POLLUTION PREVENTION PLAN
18	DETAILS
19-24	LANDSCAPE PLANS (L1-L6)
25-26	LANDSCAPE NOTES AND DETAILS (L7-L8)

POTHOLE TABLE			
PH #	UTILITY	DEPTH	LOCATION
1	WATER	-2.70'	N: 588135.2402; E: 604273.5154
2	WATER	-2.98	N: 588524.3862; E: 604281.7469
3	GAS	-3.27'	N: 588699.1413; E: 604367.3296
4	GAS	-3.00'	N: 588705.0803; E: 604156.873
5	WATER/GAS	-4.36'/-2.26'	N: 588701.6881; E: 604284.719
6	WATER	-3.37'	N: 588866.806; E: 604289.6241
7	WATER	-3.00'	N: 589179.8938; E: 604298.9921
8	WATER	-2.00'	N: 588635.4235; E: 604283.8805

CIVIL ENGINEER
CITY OF PRESCOTT
430 N. VIRGINIA STREET
PRESCOTT, AZ 86301
(928) 777-1130
CHARLES ANDREWS, P.E.

GEOTECHNICAL ENGINEER
ENGINEERING & TESTING
CONSULTANTS, INC.
417 N. ARIZONA AVENUE
PRESCOTT, AZ 86301
(928) 778-9001
MICHAEL P. WILSON, P.E.
RICHARD G. KELLEY, P.E.

SURVEYOR
DAVA & ASSOCIATES, INC.
310 E. UNION STREET
PRESCOTT, AZ 86303
(928) 778-7587
THOMAS G. CALLAHAN, R.L.S.

LANDSCAPE ARCHITECT
LANDSCAPES FOR LIFE, LLC
(928) 830-9972
STEVE H. MORGAN, L.A.

APPROVED BY

Charles Andrews — 10-11-16
CITY ENGINEER — DATE

Craig Dotseth — 10-11-16
UTILITIES MANAGER — DATE

Sally — 10-11-16
PROGRAM DEVELOPMENT MANAGER — DATE

RECORD DRAWING CERTIFICATION

I HEREBY CERTIFY, TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF, THAT THIS PROJECT HAS BEEN COMPLETED IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED PLANS, SPECIFICATIONS AND REFERENCED STANDARDS, EXCEPT AS SHOWN HEREON; THAT THESE AS-BUILT PLANS REFLECT THE POSITION OF CONSTRUCTED IMPROVEMENTS BASED ON FIELD MEASUREMENTS; AND THAT THE MATERIALS USED IN CONSTRUCTION ARE AS SHOWN BASED ON FIELD OBSERVATION AND TEST RESULTS.

THIS CERTIFICATION DOES NOT WARRANT MATERIALS, WORKMANSHIP, METHODS OF CONSTRUCTION, OR OTHER ITEMS AFFECTING THE WARRANTY OF THIS PROJECT, TO THE CITY OF PRESCOTT. USERS OF THIS INFORMATION ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ACTUAL CONDITIONS.

_____ _____
REGISTERED PROFESSIONAL ENGINEER (CIVIL) DATE

DWG. NO.
DATE 10/11/16
SHEET NO. 1 OF 26

CITY OF PRESCOTT PUBLIC WORKS

COVER SHEET & INDEX

ALARCON STREET IMPROVEMENT PROJECT

CITY OF PRESCOTT *Everybody's Hometown*
PREPARED BY DJC | CHECKED BY CA | FOR: COP

REGISTERED ENGINEER CHARLES ANDREWS, JR. 39473 ARIZONA U.S.A. Expires 9/30/2017

Call at least two full working days before you begin excavation. ARIZONA811 Arizona Blue Stake, Inc. Dial 8-1-1 or 1-800-STAKE-IT (782-5348) In Maricopa County: (602) 263-1100

NO.	BY	DATE	ENGINEER	APPR/	DATE	CITY

CIP #: 16-008 REVIEW:

FILE NAME&PATH: N:\ENGINEERING\DESIGN\MISC. PAVING\ALARCON ST\PLANS\SHEETS\01 COVER.DWG

1. ALL CONSTRUCTION SHALL CONFORM TO MARICOPA ASSOCIATION OF GOVERNMENTS (MAG), & CITY OF PRESCOTT (COP) CONSTRUCTION STANDARDS & SPECIFICATIONS. LATEST REVISIONS, UNLESS SPECIFICALLY APPROVED BY THE CITY AND MODIFIED ON THE PLANS, IN CONJUNCTION WITH THE LATEST REVISIONS OF THE MARICOPA ASSOCIATION OF GOVERNMENTS STANDARD SPECIFICATIONS AND DETAILS (MAG STANDARDS), UNLESS SPECIFICALLY MODIFIED ON THE PLANS.
2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN COPIES OF MAG AND CITY OF PRESCOTT STANDARDS AND SPECIFICATIONS AS WELL AS ALL OTHER STANDARDS AND SPECIFICATIONS NECESSARY TO COMPLETELY AND ACCURATELY INTERPRET THESE PLANS.
3. ALL PLANS SIGNED BY THE CITY ENGINEER ARE NULL AND VOID ONE YEAR FROM DATE OF SIGNATURE IF CONSTRUCTION HAS NOT STARTED. RESUBMITTAL AND REVIEW SHALL BE REQUIRED, AFTER ONE YEAR.
4. ALL QUANTITIES SHOWN ON THE PLANS ARE APPROXIMATE, ARE NOT VERIFIED BY THE PUBLIC WORKS DIRECTOR, AND ARE FURNISHED SOLELY FOR THE CONTRACTOR'S CONVENIENCE. THEY DO NOT NECESSARILY CORRESPOND TO BID SCHEDULE ITEMS. PAYMENT SHALL BE BASED ON BID SCHEDULE ITEMS FOR ACTUAL QUANTITIES PROVIDED AND INSTALLED. THE CONTRACTOR SHALL NOT BE RELIEVED OF HIS RESPONSIBILITY FOR INDEPENDENTLY ESTIMATING WORK QUANTITIES PRIOR TO BIDDING.
5. CITY OF PRESCOTT PUBLIC WORKS DEPARTMENT PERMIT(S) WILL BE REQUIRED FOR ALL OFF-SITE CONSTRUCTION AND CONSTRUCTION WITHIN THE PUBLIC RIGHT OF WAY.
6. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN, AT HIS OWN EXPENSE, SUCH PERMITS AS ARE REQUIRED FROM THE APPROPRIATE AGENCIES.
7. THE PUBLIC WORKS DEPARTMENT SHALL BE NOTIFIED A MINIMUM OF 24 HOURS PRIOR TO BEGINNING ANY CONSTRUCTION IN THE PUBLIC RIGHT OF WAY.
8. ANY WORK PERFORMED WITHOUT THE KNOWLEDGE AND APPROVAL OF THE PUBLIC WORKS DIRECTOR AND/OR ALL WORK MATERIALS NOT IN CONFORMATION WITH THE PLANS AND SPECIFICATIONS IS SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
9. A THOROUGH ATTEMPT HAS BEEN MADE TO SHOW THE LOCATION OF ALL UNDERGROUND OBSTRUCTIONS AND UTILITY LINES IN THE WORK AREA. THE ENGINEER AND THE CITY OF PRESCOTT WILL NOT GUARANTEE ANY LOCATIONS OR ELEVATIONS OF EXISTING UNDERGROUND UTILITIES SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE AND SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR MAKING A COMPLETE AND ACCURATE ON-SITE DETERMINATION OF THE LOCATIONS, MATERIAL AND SIZE OF ALL UTILITIES, STRUCTURES, AND FIELD CONDITIONS WHICH MAY AFFECT THE PROGRESS OF THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO STRUCTURES AND UTILITIES ENCOUNTERED DURING CONSTRUCTION AND SHALL FIELD EXPOSE EXISTING UNDERGROUND UTILITIES PRIOR TO TRENCHING IN THEIR VICINITY.
10. THE CONTRACTOR IS REQUIRED TO CONTACT BLUE STAKE (1-800-STAKE(I)) A MINIMUM OF TWO WORKING DAYS (48) HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION. THE APPROPRIATE UTILITY COMPANIES SHALL BE NOTIFIED BY THE CONTRACTOR PRIOR TO ANY CONSTRUCTION.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE RELOCATION AND/OR SUPPORT OF ALL UTILITIES, POWER POLES, ETC., THAT MAY BE NECESSARY.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING TO THE PUBLIC WORKS DEPARTMENT FOR APPROVAL, TRAFFIC CONTROL PLANS PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL DETERMINE AND SUBMIT FOR APPROVAL THE EXACT SIGNING/TRAFFIC CONTROL DEVICES NECESSARY AND ALL TRAFFIC CONTROL WORK SHALL BE IN ACCORDANCE WITH THE LATEST REVISIONS HEREOF. NO STREET IS TO BE CLOSED, RESTRICTED, OR CONSTRUCTED UPON UNTIL A TRAFFIC CONTROL PLAN IS PREPARED BY THE CONTRACTOR AND SUBMITTED TO THE PUBLIC WORKS DIRECTOR ONE WEEK IN ADVANCE FOR REVIEW AND APPROVAL.
13. APPROPRIATE EMERGENCY AGENCIES SHALL BE NOTIFIED A MINIMUM OF 24 HOURS PRIOR TO ANY CLOSING OF STREETS.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION SURVEYING AND LAYOUT WITH CONTROL PROVIDED BY THE DESIGN ENGINEER OR HIS DESIGNEE.
15. THE CONTRACTOR IS RESPONSIBLE FOR QUALITY CONTROL MEASURES SUFFICIENT TO PRODUCE MATERIALS AND WORKMANSHIP OF ACCEPTABLE QUALITY. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL SUBMIT A QUALITY CONTROL PLAN. THE CONTRACTOR AT HIS OWN EXPENSE SHALL PROVIDE AN INDEPENDENT GEOTECHNICAL FIRM TO PERFORM QUALITY CONTROL TESTING SUCH AS SOILS AND CONCRETE TESTING, AND FULL TIME ASPHALTIC CONCRETE LAYDOWN COMPACTION TESTING AND ADEQUATE PLANT CONTROL FOR EACH PAVING DAY. THE CITY, BY SEPARATE CONTRACT, WILL BE RESPONSIBLE FOR QUALITY ASSURANCE TESTING AS IT MAY DEEM NECESSARY.
16. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL COSTS OF TESTING AND INSPECTION, INCLUDING THE PRESENCE OF CITY INSPECTORS, REQUIRED AT NIGHT OR ON WEEKENDS.
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RE-WORK AND/OR REMOVAL AND REPLACEMENT OF ALL MATERIALS REPRESENTED BY FAILING TESTS OR SUBSTANDARD WORKMANSHIP.
18. THE CONTRACTOR SHALL IMPLEMENT BEST-HOUSE-KEEPING MEASURES, AND EROSION AND SEDIMENT CONTROL MEASURES, TO PREVENT THE TRANSPORT OF CONSTRUCTION MATERIALS INTO DRAINAGE INLETS, STORM DRAIN MANHOLES, UTILITY STRUCTURES, OR ONTO ADJACENT STREETS AND PROPERTIES.
19. APPROVAL OF A PORTION OF THE WORK IN PROGRESS DOES NOT GUARANTEE ITS FINAL ACCEPTANCE. TESTING AND EVALUATION MAY CONTINUE UNTIL THE WRITTEN FINAL ACCEPTANCE OF A COMPLETE AND WORKABLE UNIT.
20. THE CITY OF PRESCOTT MAY SUSPEND THE WORK BY WRITTEN NOTICE WHEN, IN ITS JUDGEMENT, PROGRESS IS UNSATISFACTORY, WORK BEING DONE IS UNAUTHORIZED OR DEFECTIVE, WEATHER CONDITIONS ARE UNSTABLE, OR THERE IS A DANGER TO THE PUBLIC HEALTH AND SAFETY.
21. ALL OBSTRUCTIONS IN THE RIGHT OF WAY SHALL BE REMOVED BEFORE ANY CONSTRUCTION IS PERMITTED.
22. REMOVAL OF STRUCTURES AND OBSTRUCTIONS AS NECESSARY TO COMPLETE THE WORK, OTHER THAN SPECIFICALLY SCHEDULED IN THE BID, IS INCIDENTAL TO THE CONTRACT. NO SEPARATE MEASUREMENT OF OR PAYMENT FOR UNSCHEDULED REMOVAL ITEMS WILL BE MADE.
23. CLEARING AND GRUBBING IS CONSIDERED INCIDENTAL TO THE WORK UNLESS SPECIFICALLY IDENTIFIED IN THE BID SCHEDULE. NO SEPARATE MEASUREMENT OF OR PAYMENT FOR CLEARING AND GRUBBING, AND TREE REMOVAL, WILL BE MADE. THE SITE OF ALL EXCAVATION, EMBANKMENTS, AND FILLS SHALL FIRST BE CLEARED OF STUMPS, TRASH, WEEDS, RUBBISH, TOPSOIL, AND LOOSE BOULDERS WHICH SHALL BE REMOVED AND DISPOSED OF. PRIOR TO BIDDING THE CONTRACTOR MUST SATISFY HIMSELF REGARDING THE CHARACTER OF THE SUBSOILS TO INCLUDE THE AMOUNT OF LOAM, CLAY, SAND, QUICKSAND, HARDPAN, GRAVEL, ROCK, WATER, AND ALL OTHER MATERIAL TO BE ENCOUNTERED AND WORK TO BE PERFORMED.
24. THE CONTRACTOR SHALL GUARD AGAINST DAMAGE DURING CONSTRUCTION TO EXISTING PROPERTIES AND IMPROVEMENTS. ANY ITEMS DAMAGED BY THE CONTRACTOR'S ACTIVITIES SHALL BE REPLACED IN KIND OR BETTER AT THE CONTRACTOR'S EXPENSE.
25. THE CONTRACTOR SHALL KEEP SUITABLE EQUIPMENT ON HAND AT THE JOBSITE FOR MAINTENANCE DUST CONTROL, AND SHALL CONTROL DUST AS DIRECTED BY THE APPROPRIATE AGENCY.
26. STREET AND TRAFFIC SIGNS SHALL BE RELOCATED BY THE CONTRACTOR IF NECESSARY, AT THE DIRECTION OF THE PUBLIC WORKS DIRECTOR.
27. BACKFILL COMPACTION SHALL BE TYPE 1 (MAG, SECTION 601) UNLESS OTHERWISE NOTED.
28. AGGREGATE BASE COURSE SHALL NOT BE PLACED ON SUBGRADE UNTIL SUBGRADE REQUIREMENTS HAVE BEEN ACHIEVED.
29. NO PAVING CONSTRUCTION SHALL BE STARTED UNTIL ALL UNDERGROUND UTILITIES WITHIN THE ROADWAY PRISM ARE VERIFIED FOR DETAIL CONFORMANCE, COMPLETED AND TESTED (TO INCLUDE BUT NOT LIMITED TO) SEWER TESTING, LOW AIR TESTING OF MAIN LINE AND SERVICES, TRACE WIRE TESTING, DEFLECTION TESTING AND VERIFICATION OF MANHOLES CONFORMING TO COP DETAIL 420P. WATER TESTING CHLORINATION/DISINFECTING OF MAIN LINE AND SERVICES, PRESSURE TESTING, TRACE WIRE TESTING AND VERIFICATION OF VALVE BOXES CONFORMING TO COP DETAIL 391P.
30. ALL ASPHALT CONCRETE PAVEMENT SHALL BE PER APPLICABLE MAG SPECIFICATIONS AS AMENDED BY THE CITY OF PRESCOTT. ASPHALT CONCRETE MIX DESIGN SHALL BE SUBMITTED TO THE PUBLIC WORKS DIRECTOR OR HIS DESIGNEE FOR APPROVAL PRIOR TO START OF CONSTRUCTION.
31. ALL UTILITY FRAMES, COVERS, VALVE BOXES, MANHOLES, ETC. SHALL BE ADJUSTED TO FINISH ASPHALT GRADE AFTER PLACEMENT OF SURFACE COURSE BY THE CONTRACTOR PER COP STANDARD DETAILS.
32. ACCEPTANCE OF THE COMPLETED PAVING STRUCTURES WILL NOT BE GIVEN UNTIL REPRODUCIBLE "AS-BUILT" PLANS HAVE BEEN SUBMITTED BY THE CONTRACTOR AND APPROVED BY THE CITY.
33. ALL CONCRETE TO BE AT LEAST 3000 PSI CLASS "A" PORTLAND CEMENT CONCRETE, UNLESS OTHERWISE SPECIFIED ON THE PLANS, SPECIFICATIONS, OR IN STANDARD DETAILS.
34. EDGES OF CONCRETE STRUCTURES TO HAVE A ¾" CHAMFER, UNLESS OTHERWISE SPECIFIED ON THE PLANS.
35. CONCRETE SURFACES TO HAVE A BROOM FINISH UNLESS OTHERWISE NOTED ON THE PLANS.
36. ALL EXPANSION JOINTS TO BE SEALED WITH ¼" EXPANSION JOINT, PRE-FORMED JOINT FILLER AND SEALER, IN ACCORDANCE WITH MAG SECTION 729.
37. DRIVEWAY ENTRANCES WILL BE LOCATED AS SPECIFIED ON THE PLANS UNLESS MODIFIED IN THE FIELD BY THE ENGINEER. ALL DRIVEWAY ENTRANCES SHALL BE CONSTRUCTED OVER 8" THICK AGGREGATE BASE COURSE PER MAG SPECIFICATION 702 AND COMPACTED TO 95% OF STANDARD PROCTOR DENSITY, UNLESS OTHERWISE NOTED.
38. ALL DISTURBED FENCES SHALL BE REPLACED IN KIND. CONTRACTOR SHALL EXTEND FENCE REPLACEMENT TO THE CLOSEST UPRIGHT SUPPORT NECESSARY FOR STABILITY.
39. MAILBOXES SHALL BE REMOVED AND REINSTALLED AS DIRECTED BY THE U.S. POSTAL SERVICE AND THE CITY OF PRESCOTT. NEW LOCATIONS SHALL BE PER U.S.P.S.
40. NO JOB WILL BE CONSIDERED COMPLETE UNTIL ALL CURBS, PAVEMENT, AND SIDEWALKS HAVE BEEN SWEPT CLEAN OF ALL DIRT AND DEBRIS.
41. THE CONTRACTOR SHALL WARRANT ALL WORK FOR A MINIMUM TWO YEAR PERIOD AFTER FORMAL ACCEPTANCE OF THE WORK BY THE CITY.

COP STANDARD DETAIL | GENERAL NOTES | Charles Andrews, CITY ENGINEER | REVISED: 07/16 | DETAIL No. 101P

1. ALL WORK SHALL CONFORM TO MARICOPA ASSOCIATION OF GOVERNMENTS (MAG), & CITY OF PRESCOTT (COP) CONSTRUCTION STANDARDS & SPECIFICATIONS, WHICH ARE ON FILE IN THE OFFICE OF THE CITY ENGINEER.
2. ALL EXISTING FRAMES, COVERS, VALVE BOXES, & MANHOLES SHALL BE EITHER REPLACED OR ADJUSTED TO FINISH GRADE DEPENDING ON PLAN CALL OUT UPON COMPLETION OF PAVING, UTILITY, OR RELATED CONSTRUCTION.
3. ANY QUANTITIES SHOWN ON PLANS ARE NOT VERIFIED BY THE PUBLIC WORKS DIRECTOR.
4. ACCEPTANCE OF THE COMPLETED WORK WILL NOT BE GIVEN UNTIL 3 MIL MYLAR & CAD FORMAT DIGITAL "AS-BUILT" PLANS ON CITY OF PRESCOTT SURVEY DATUM & COORDINATES HAVE BEEN SUBMITTED & SEALED BY A REGISTERED PROFESSIONAL ENGINEER AND APPROVED BY THE PUBLIC WORKS DEPARTMENT.
5. CITY OF PRESCOTT PUBLIC WORKS UTILITIES SHALL BE NOTIFIED A MINIMUM OF 24 HOURS PRIOR TO THE START OF ANY WORK.
6. ALL WORK & MATERIALS SHALL DO NOT CONFORM TO THE SPECIFICATIONS ARE SUBJECT TO REMOVAL & REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
7. ANY WORK PERFORMED WITHOUT THE KNOWLEDGE OF THE CITY INSPECTOR OR HIS REPRESENTATIVE IS SUBJECT TO REMOVAL & REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
8. THE CONTRACTOR SHALL PROVIDE SUFFICIENT MEN, EQUIPMENT, & MATERIAL ON THE JOB AT ALL TIMES DURING CONSTRUCTION TO COMPLY WITH SPECIFICATIONS & TO COMPLETE THE WORK.
9. CIP INSPECTION TO BE DONE BY THE CITY OF PRESCOTT PUBLIC WORKS DEPARTMENT OR THEIR REPRESENTATIVE. PRIVATE DEVELOPMENTS SHALL PROVIDE FOR INDEPENDENT 3RD PARTY INSPECTIONS.
10. CONTRACTOR TO NOTIFY PROJECT ENGINEER 72 HOURS (3 WORKING DAYS) IN ADVANCE OF CONSTRUCTION TO SCHEDULE CONSTRUCTION CONTROL STAKING.
11. THE CONTRACTOR IS TO UNCOVER ALL EXISTING LINES BEING TIED INTO AND VERIFY GRADES, ALIGNMENTS, & ELEVATIONS BEFORE COMMENCING CONSTRUCTION & ORDERING MATERIALS.
12. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL UNDERGROUND PIPELINES, TELEPHONE & ELECTRICAL CONDUITS & STRUCTURES IN ADVANCE OF ANY CONSTRUCTION & OBSERVE ALL POSSIBLE PRECAUTIONS TO AVOID ANY DAMAGE TO SUCH. THE ENGINEER & CITY OWNER WILL NOT GUARANTEE ANY LOCATIONS AS SHOWN ON THESE PLANS, OR THOSE OMITTED FROM SAME.
13. CONTRACTOR SHALL NOTIFY "BLUE STAKE" AT 1-800-STAKE(I) (1-800-782-5348) AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.
14. CONTRACTOR SHALL VERIFY ALL QUANTITIES SHOWN & MAKE HIS BID BASED UPON THOSE VERIFICATIONS. IF ANY DISCREPANCY IN QUANTITIES IS FOUND, THE CONTRACTOR SHALL NOTIFY THE ENGINEER & HIS DESIGNEE FOR REVIEW PRIOR TO START OF CONSTRUCTION.
15. ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY REQUIREMENTS MUST BE COMPLIED WITH.
16. ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY REQUIREMENTS SHALL APPLY WHEN MORE STRINGENT THAN THE MAG OR CITY OF PRESCOTT STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
17. ALL PLANS SIGNED BY THE CITY ARE NULL AND VOID ONE YEAR FROM DATE OF SIGNATURE IF CONSTRUCTION HAS NOT STARTED AND/OR IS NOT ACTIVELY PROGRESSING.
18. PROJECT CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING TRAFFIC CONTROL PLANS WHICH SHALL BE MADE A PART OF THE PLAN REVIEW REQUEST TO THE CITY ENGINEER FOR APPROVAL.
19. ALL WATER LINES & APPURTENANCES SHALL BE PROVIDED WITH TRACE WIRE PER CITY STANDARD DETAIL. TRACE WIRE SHALL BE SUBJECT TO A TRACEABILITY TEST, EASILY ACCESSIBLE, & ANY DEFICIENCIES SHALL BE CORRECTED PRIOR TO PAVING. THE TRACE WIRE SHOULD BE TESTED AND SUBMITTED AS A PACKAGE WITH THE TESTING PACKET.
20. WATER-SEWER SEPARATION SHALL BE PURSUANT TO AAC R-18-5-502C.
21. WATER MAINS SHALL BE SUBJECT TO A PRESSURE & LEAKAGE TEST IN ACCORDANCE WITH AWWA C-600 STANDARD.
22. WATER MAINS SHALL BE DISINFECTED IN ACCORDANCE WITH ADEQ ENGINEERING BULLETIN NO. 11 "DISINFECTION OF WATER SYSTEMS".
23. OPERATION OF VALVES TO BE DONE BY CITY PERSONNEL ONLY.
24. DUCTILE IRON PIPE TO BE INSTALLED PER MANUFACTURER'S REQUIREMENTS. ALL MATERIALS USED IN THE INSTALLATION OF DUCTILE IRON PIPE SHALL BE PURSUANT TO AAC R-18-4.
25. ALL MATERIALS & PRODUCTS THAT COME INTO CONTACT WITH DRINKING WATER OR DRINKING WATER TREATMENT CHEMICALS MUST COMPLY WITH NSF STANDARD 61. ANY 'OR EQUAL' SUBSTITUTION SHALL ALSO MEET NSF STANDARD 61.
26. ALL TRENCHES & BEDDING SHALL BE PER COP DETAIL 200P & TECHNICAL SPECIFICATIONS.
27. ALL MATERIALS USED IN THE INSTALLATION OF WATER MAINS SHALL BE PURSUANT TO AAC R-18-4 & SHALL BE NSF APPROVED FOR POTABLE WATER.
28. ALL REVISIONS TO ORIGINAL PLANS MUST BE APPROVED BY THE PUBLIC WORKS DIRECTOR PRIOR TO CONSTRUCTION.
29. ALL DUCTILE IRON, COPPER, & BRASS FITTINGS SHALL BE ENCASED IN POLYETHYLENE PROTECTIVE WRAPPING IN ACCORDANCE WITH MAG SECTION 610.5 UNLESS COUNTERINDICATED BY GEOTECHNICAL CORROSIVITY TESTING OF BEDDING AND SHADING MATERIALS & APPROVED BY THE PUBLIC WORKS DIRECTOR.
30. WATER LINES SHALL BE INSTALLED WITH MECHANICAL RESTRAINTS WHERE JOINT RESTRAINTS IS REQUIRED.
31. WATER SERVICE INTERRUPTION NOTICES SHALL BE GIVEN TO AFFECTED RESIDENTS BY THE CONTRACTOR AT HIS EXPENSE. ADVANCE NOTIFICATION REQUIREMENTS MUST BE APPROVED BY THE PUBLIC WORKS DIRECTOR PRIOR TO SCHEDULING A SHUTDOWN.
32. WATER MAIN TAPS, SERVICE TAPS, SHUTDOWN REQUESTS, AND METER REQUESTS MUST BE INITIATED WITH THE CITY INSPECTOR A MINIMUM OF 5 WORKING DAYS IN ADVANCE.

COP STANDARD DETAIL | WATER PLAN GENERAL NOTES | Charles Andrews, CITY ENGINEER | REVISED: 07/16 | DETAIL No. 103P

1. THE CONTRACTOR SHALL SPOT LAYOUT THE ENTIRE PROJECT AND CONTACT THE CITY INSPECTOR TO MAKE ARRANGEMENTS FOR INSPECTION PRIOR TO INSTALLING TRAFFIC SIGNS OR PAVEMENT MARKINGS. ANY SIGNING OR STRIPING INSTALLED BEFORE LAYOUT APPROVAL SHALL BE SUBJECT TO REMOVAL AND REINSTALLATION AT THE CONTRACTOR'S EXPENSE.
2. TRAFFIC SIGN DIMENSIONS, COLORS AND LETTERING SHALL CONFORM TO THE LATEST MUTCD SPECIFICATIONS. TRAFFIC SIGN SIZE SHALL BE STANDARD UNLESS OTHERWISE SPECIFIED ON THE PLANS.
3. SIGN LOCATION SHALL BE COORDINATED WITH LANDSCAPING PLANS TO ENSURE SIGN VISIBILITY PER AASHTO STANDARDS.
4. ALL R1-1 "STOP" SIGNS AND PEDESTRIAN WARNING SIGNS SHALL BE RETRO-REFLECTIVE WITH SHEETING MATERIAL TO BE DIAMOND VIP GRADE, MEETING OR EXCEEDING ASTM 4956-04.
5. ALL OTHER SIGNS ARE TO BE RETRO-REFLECTIVE WITH SHEETING MATERIAL TO BE HIGH INTENSITY PRISMATIC MEETING OR EXCEEDING ASTM 4956-04.
6. SIGN BLANKS SHALL BE 5052-H38 ALLOY TREATED ALUMINUM WITH ALODINE 1200 CONVERSION COATING, 0.080" THICK WITH ROUNDED CORNERS.
7. SIGNS SHALL BE MOUNTED ON STREET LIGHT POLES WHENEVER FEASIBLE.
8. STRIPING SHALL CONFORM TO THE MOST RECENT EDITION OF THE MUTCD WITH REGARD TO SIZE, COLOR, REFLECTIVITY AND PLACEMENT UNLESS OTHERWISE SPECIFIED ON THE PLANS.
9. ALL THERMOPLASTIC APPLICATIONS SHALL CONFORM TO ADOT SPECIFICATION 704. TRANSVERSE MARKINGS, SYMBOLS AND LEGENDS SHALL BE 90 MIL (0.090 INCH) THICK, LONGITUDINAL MARKINGS SHALL BE 60 MIL (0.060 INCH) THICK ALKYD EXTRUDED THERMOPLASTIC.
10. ALL PAINT APPLICATION SHALL CONFORM TO ADOT SPECIFICATION 708.
11. ALL CONFLICTING STRIPING, PAVEMENT MARKINGS, AND CURB PAINT SHALL BE REMOVED BY WET SANDBLASTING OR OTHER APPROVED METHOD PRIOR TO THE INSTALLATION OF NEW STRIPING. SLURRY OR PAINT SHALL NOT BE USED TO COVER EXISTING PAINT. PAVEMENT THAT IS DAMAGED DUE TO THE REMOVAL OF MARKERS OR STRIPING SHALL BE REPAIRED TO THE SATISFACTION OF THE CITY ENGINEER OR HIS DESIGNEE.

COP STANDARD DETAIL | SIGNING AND STRIPING NOTES | Charles Andrews, CITY ENGINEER | REVISED: 07/16 | DETAIL No. 106P-1

EXISTING	PROPOSED	DESCRIPTION
—W— —W—	W W W	WATER LINE
—S— —S—	S S S	SEWER LINE, SIZE UNKNOWN
—OH— —OH—	OH OH	OVERHEAD UTILITY LINE
—E— —E—	E E	ELECTRIC LINE, UNDERGROUND
—CTV— —CTV—	CTV CTV	CABLE TELEVISION LINE, UNDERGROUND
—TEL— —TEL—	TEL TEL	TELEPHONE LINE, UNDERGROUND
—ECT— —ECT—	ECT ECT	ELECTRIC, CABLE, TELEPHONE COMMON TRENCH, UNDERGROUND
—GAS— —GAS—	GAS GAS	GAS LINE, UNDERGROUND
—FO— —FO—	FO FO	FIBER OPTIC LINE, UNDERGROUND
		STORM DRAIN PIPE or CULVERT
		6" VERTICAL CURB & GUTTER
		CONCRETE
		SIDEWALK
—x— —x—	x x x	FENCE, BARBED
—o— —o—	o o o	FENCE, CHAINLINK
—□— —□—	□ □ □	FENCE, WOOD
5555	5555	MAJOR CONTOUR
5554	5554	MINOR CONTOUR
		BUILDING
		RIGHT OF WAY
		PARCEL
		CENTERLINES
		SOLID STRIPES
		LANE STRIPE
		INTERSECTION GUIDE STRIPE

EXISTING	PROPOSED	DESCRIPTION
		SIGN
		MAIL BOX
		BORE LOCATION
		CONCRETE
		ASPHALT
		BUILDINGS
		TRUNCATED DOMES (DETECTABLE WARNING)
	N/A	PAVERS
		BIOBASIN
		STAMPED CONCRETE FOR MEDIANS
		STAMPED CONCRETE FOR CROSSWALKS
		SHARROW
		HANDICAPPED
		STOP BAR

ABBREVIATIONS

Δ	DELTA ANGLE	DTL	DETAIL	PCC	PORTLAND CEMENT CONCRETE	RB	REBAR
AC	ASPHALT CONCRETE	EP	EDGE OF PAVEMENT END OF PROJECT	PG	PAGE	RBHH	REBAR IN HANDHOLE
BCHH	BRASS CAP IN HANDHOLE	EXIST	EXISTING	PI	POINT OF INTERSECTION	YCRO	YAVAPAI COUNTY RECORDERS OFFICE
BK	BOOK			R	RADIUS		
BP	BEGINNING OF PROJECT	FL	FLOWLINE	R/W	RIGHT OF WAY		
CB	CHORD BEARING	HH	HANDHOLE	STA	STATION		
CD	CHORD DISTANCE						
CL	CENTERLINE	L	ARC LENGTH	STD	STANDARD		
COP	CITY OF PRESCOTT						
CST	CONSTRUCTION	M&P	MAPS & PLATS	TC	TOP OF CURB		
				TP	TOP OF PAVEMENT		
DIA	DIAMETER	OFF	OFFSET	TS	TOP OF SIDEWALK		

Call at least two full working days before you begin excavation. Arizona Blue Stake, Inc. ARIZONA 811. Dial 8-1-1 or 1-800-STAKE-IT (782-5348). In Maricopa County: (602) 263-1100

CITY OF PRESCOTT PUBLIC WORKS

LEGEND AND GENERAL NOTES

DWG. NO.
DATE 10/11/16
SHEET NO. 2 OF 26

ALARCON STREET IMPROVEMENT PROJECT

CITY OF PRESCOTT Everybody's Hometown

PREPARED BY: DJC | CHECKED BY: CA | FOR: COP

Charles Andrews, P.E. (Civil) CERTIFICATE NO. 39473 — Registered Professional Engineer — ARIZONA U.S.A. — Expires 9/30/2017

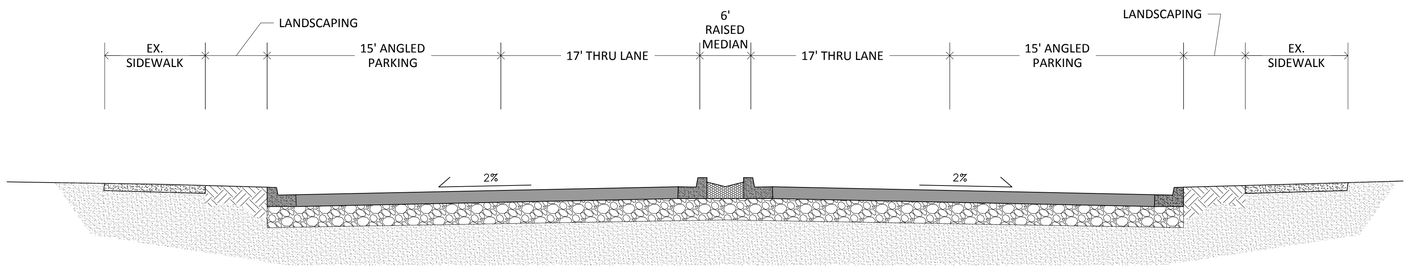
NO.	BY	DATE	CITY APPRV	DATE

REVIEW:

CIP #: 16-008

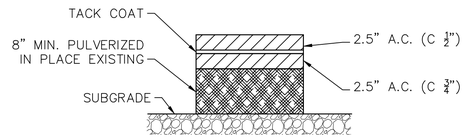
ENGINEER

FILE NAME&PATH: H:\ENGINEERING\DESIGN\MISC PAVING\ALARCON ST\PLANS\SHEETS\02 NOTES.DWG

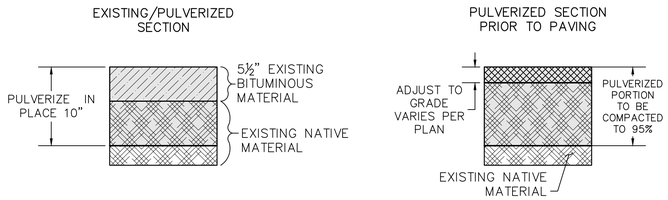


ALARCON STREET CROSS SECTION
GURLEY TO WILLIS

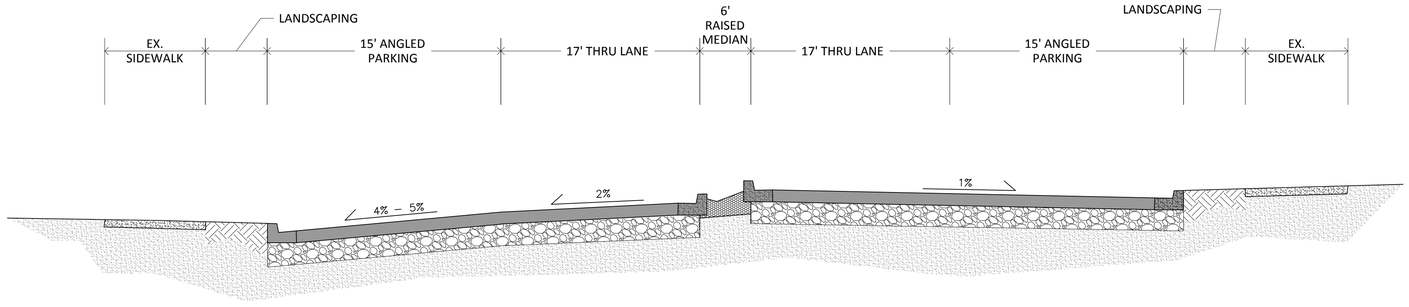
STA. 1+50 - 7+60
NOT TO SCALE



ROADWAY STRUCTURAL SECTION

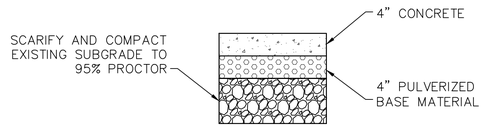


PULVERIZED STRUCTURAL SECTION
ALARCON STREET
STA. 1+18 TO 7+48
AND
STA. 8+32 TO 13+52

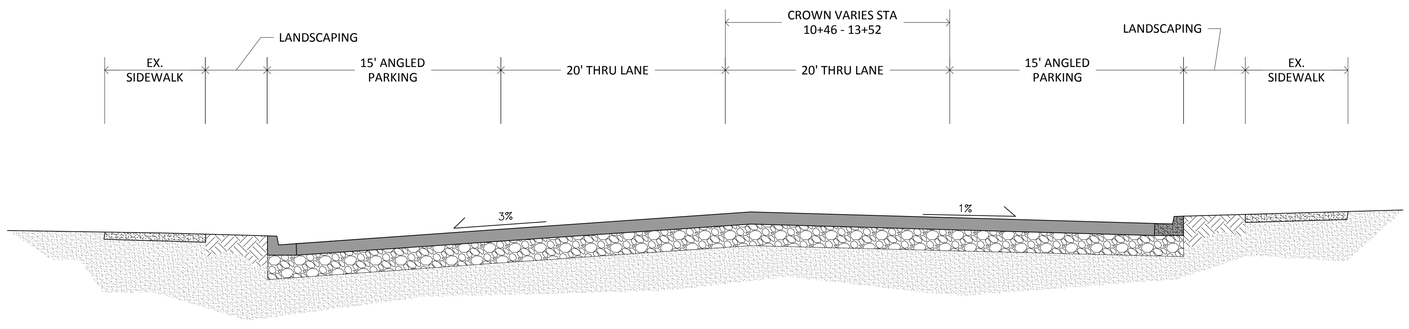


ALARCON STREET CROSS SECTION
WILLIS TO SHELDON

STA. 8+29 - 10+46
NOT TO SCALE

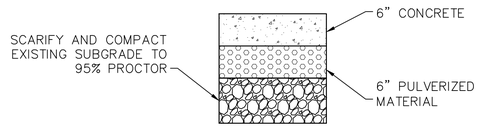


SIDEWALK STRUCTURAL SECTION
(NON DRIVEWAY)



ALARCON STREET CROSS SECTION
WILLIS TO SHELDON

STA. 10+46 - 12+85
NOT TO SCALE



SIDEWALK STRUCTURAL SECTION
(IN DRIVEWAY)

CITY OF PRESCOTT PUBLIC WORKS

TYPICAL ROADWAY SECTIONS AND STRUCTURAL SECTION

DWG. NO.
DATE 10/11/16
SHEET NO. 3 OF 26

ALARCON STREET IMPROVEMENT PROJECT

CITY OF PRESCOTT
Everybody's Hometown

PREPARED BY DJC | CHECKED BY CA | FOR: COP

Registered Professional Engineer (Civil)
CERTIFICATE NO. 39473
STATE OF ARIZONA
WILLIAM C. ANDREWS, SR.
Date Signed 9/30/20
Expires 9/30/20

Call at least two full working days before you begin excavation
ARIZONA 811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

NO.	BY	DATE	ENGINEER	APPRV	DATE	CITY

REVIEW:

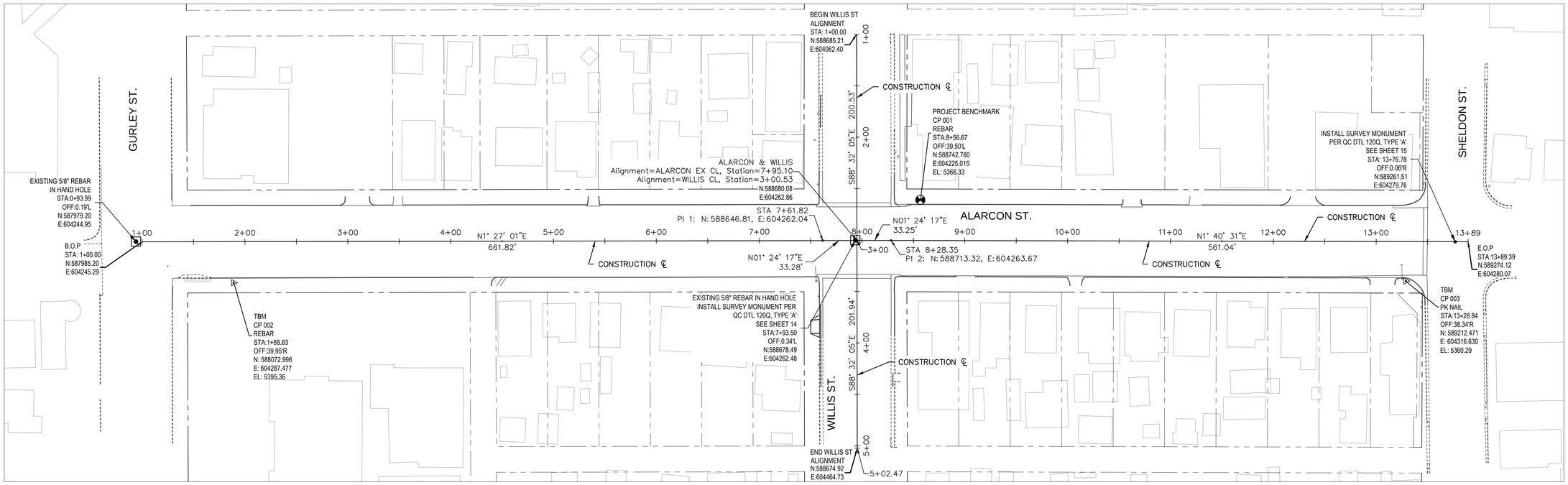
CIP #: 16-008

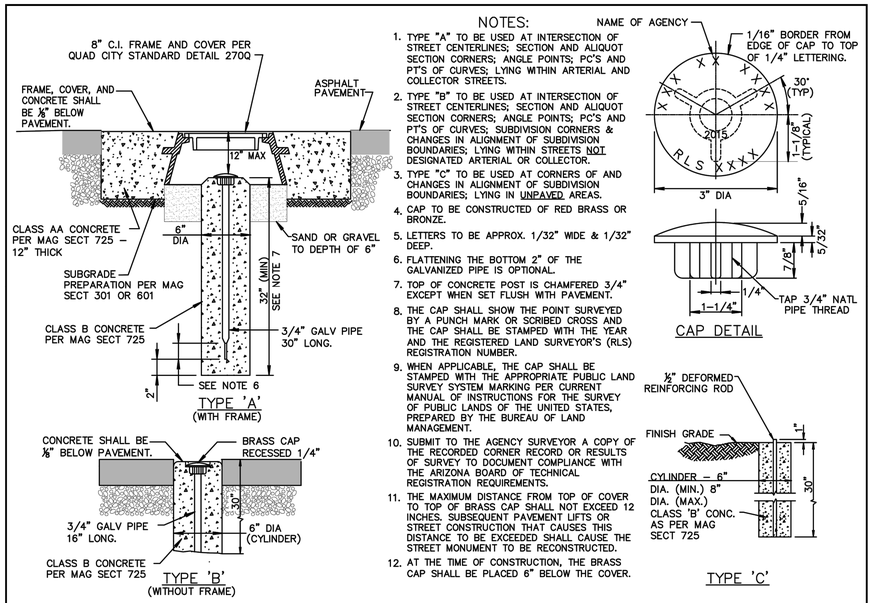
FILE NAME&PATH: N:\ENGINEERING\DESIGN\MISC PAVING\ALARCON ST\PLANS\SHEETS\03 TYP SECT.DWG

PROJECT BENCHMARK

CP-001, 1/2" REBAR LOCATED AT THE NORTHWEST CORNER OF ALARCON STREET AND WILLIS STREET, 64' NORTH OF THE CENTERLINE OF WILLIS STREET AND 39' WEST OF THE CENTERLINE OF ALARCON STREET. N.A.V.D. 88 ELEVATION = 5366.33'

CONTROL POINT	NORTHING	EASTING	ELEVATION
CP-001	588742.78	604225.015	5366.33
CP-002	588072.996	604287.477	5395.36
CP-003	589212.471	604316.63	5360.29





NOTES:

1. TYPE "A" TO BE USED AT INTERSECTION OF STREET CENTERLINES; SECTION AND ALIQUOT SECTION CORNERS; ANGLE POINTS; PC'S AND PT'S OF CURVES; LYING WITHIN ARTERIAL AND COLLECTOR STREETS.
2. TYPE "B" TO BE USED AT INTERSECTION OF STREET CENTERLINES; SECTION AND ALIQUOT SECTION CORNERS; ANGLE POINTS; PC'S AND PT'S OF CURVES; SUBDIVISION CORNERS & CHANGES IN ALIGNMENT OF SUBDIVISION BOUNDARIES; LYING WITHIN STREETS NOT DESIGNATED ARTERIAL OR COLLECTOR.
3. TYPE "C" TO BE USED AT CORNERS OF AND CHANGES IN ALIGNMENT OF SUBDIVISION BOUNDARIES; LYING IN UNPAVED AREAS.
4. CAP TO BE CONSTRUCTED OF RED BRASS OR BRONZE.
5. LETTERS TO BE APPROX. 1/32" WIDE & 1/32" DEEP.
6. FLATTENING THE BOTTOM 2" OF THE GALVANIZED PIPE IS OPTIONAL.
7. TOP OF CONCRETE POST IS CHAMFERED 3/4" EXCEPT WHEN SET FLUSH WITH PAVEMENT.
8. THE CAP SHALL SHOW THE POINT SURVEYED BY A PUNCH MARK OR SCRIBED CROSS AND THE CAP SHALL BE STAMPED WITH THE YEAR AND THE REGISTERED LAND SURVEYOR'S (RLS) REGISTRATION NUMBER.
9. WHEN APPLICABLE, THE CAP SHALL BE STAMPED WITH THE APPROPRIATE PUBLIC LAND SURVEY SYSTEM MARKING PER CURRENT MANUAL OF INSTRUCTIONS FOR THE SURVEY OF PUBLIC LANDS OF THE UNITED STATES, PREPARED BY THE BUREAU OF LAND MANAGEMENT.
10. SUBMIT TO THE AGENCY SURVEYOR A COPY OF THE RECORDED CORNER RECORD OR RESULTS OF SURVEY TO DOCUMENT COMPLIANCE WITH THE ARIZONA BOARD OF TECHNICAL REGISTRATION REQUIREMENTS.
11. THE MAXIMUM DISTANCE FROM TOP OF COVER TO TOP OF BRASS CAP SHALL NOT EXCEED 12 INCHES. SUBSEQUENT PAVEMENT LIFTS OR STREET CONSTRUCTION THAT CAUSES THIS DISTANCE TO BE EXCEEDED SHALL CAUSE THE STREET MONUMENT TO BE RECONSTRUCTED.
12. AT THE TIME OF CONSTRUCTION, THE BRASS CAP SHALL BE PLACED 6" BELOW THE COVER.

CAP DETAIL

TYPE 'C'

QUAD CITY STANDARD DETAIL	SURVEY MARKER	REVISED: 07/16	DETAIL No. 120Q

BASIS OF BEARING

1. ALL DISTANCES AND BEARINGS SHOWN HEREON ARE MAPPING PLANE (GRID) VALUES BASED ON THE PROJECTION DEFINED IN THE COORDINATE SYSTEM PARAMETERS SHOWN BELOW. THE PROJECTION WAS DEFINED SUCH THAT GRID DISTANCES ARE EQUIVALENT TO "GROUND" DISTANCES WITHIN THE LIMITS OF THE CITY OF PRESCOTT.
2. THE BASIS OF BEARINGS IS GEODETIC NORTH.
3. LINEAR UNIT: INTERNATIONAL FEET (IFT)
4. HORIZONTAL DATUM (A.K.A. GEOMETRIC DATUM): NORTH AMERICAN DATUM OF 1983 (NAD83)(1992).
5. VERTICAL DATUM: NAVD88
6. COORDINATE SYSTEM PARAMETERS:
   - 6.a. SYSTEM: CITY OF PRESCOTT COORDINATE SYSTEM (MODIFIED ARIZONA COORDINATE SYSTEM, CENTRAL ZONE (0202))
   - 6.b. PROJECTION: TRANSVERSE MERCATOR
   - 6.c. LATITUDE OF GRID ORIGIN: 31°00'00.00000"N
   - 6.d. LONGITUDE OF CENTRAL MERIDIAN: 111°55'00.00000"W
   - 6.e. NORTHING AT GRID ORIGIN: 0.0000 IFT
   - 6.f. EASTING AT CENTRAL MERIDIAN: 700,000.0000 IFT
   - 6.g. CENTRAL MERIDIAN SCALE FACTOR: 0.9999
   - 6.h. GRID-TO-GROUND SCALE FACTOR: 1.000329975
   - 6.i. NORTHING COORDINATE TRANSLATION: -701,456.0090
   - 6.j. EASTING COORDINATE TRANSLATION-EASTING: +69,457.2499
7. TO CONVERT FROM CITY OF PRESCOTT COORDINATE SYSTEM COORDINATES TO STATE PLANE GRID COORDINATES, USE THE FOLLOWING FORMULAS:
   - 7.a. NORTHING: (CITY OF PRESCOTT NORTHING + 701,456.0090) x 0.999670134
   - 7.b. EASTING: (CITY OF PRESCOTT EASTING – 69,457.2499) x 0.999670134

50 0 50 100
SCALE: 1" = 50'

DWG. NO.
DATE 10/11/16
SHEET NO. 4 OF 26

CITY OF PRESCOTT PUBLIC WORKS

HORIZONTAL CONTROL PLAN

ALARCON STREET IMPROVEMENT PROJECT

CITY OF PRESCOTT Everybody's Hometown

PREPARED BY DJC | CHECKED BY CA | FOR: COP

C. W. Thomas Andrews

Professional Engineer (Civil) CERTIFICATE NO. 61178 C. WINTHROP ANDREWS, Str. Registered Professional Engineer ARIZONA U.S.A. Expires 9/30/17

Call at least two full working days before you begin excavation. ARIZONA811 Arizona Blue Stake, Inc. Dial 8-1-1 or 1-800-STAKE-IT (782-5348) In Maricopa County: (602) 263-1100

NO.	BY	DATE	APPRV	DATE
	ENGINEER		CITY	

REVIEW:

CIP #: 16-008

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ALARCON STREET IMPROVEMENT PROJECT

CITY OF PRESCOTT PUBLIC WORKS

MEDIAN STAKING AND SIDEWALK PLAN (1 OF 4)

DWG. NO. | DATE 10/11/16 | SHEET NO. 5 OF 26

CITY OF PRESCOTT *Everybody's Hometown*

PREPARED BY DJC | CHECKED BY CA | FOR: COP

Registered Professional Engineer (Civil) CERTIFICATE NO. 39473 CHRISTOPHER W. ANDREWS, SR. Date Signed 9/30/20 ARIZONA U.S.A. Expires 9/30/20

Call at least two full working days before you begin excavation. ARIZONA811 Arizona Blue Stake, Inc. Dial 8-1-1 or 1-800-STAKE-IT (782-5348) In Maricopa County (602) 263-1100

MATCH LINE STA 4+30 – SEE SHEET 6

GURLEY ST.

ALARCON ST.

CONSTRUCTION ℄ REFER TO SHT 4

TBM
CP 002
N: 588072.996
E: 604287.477
EL: 5395.36

NOTE:

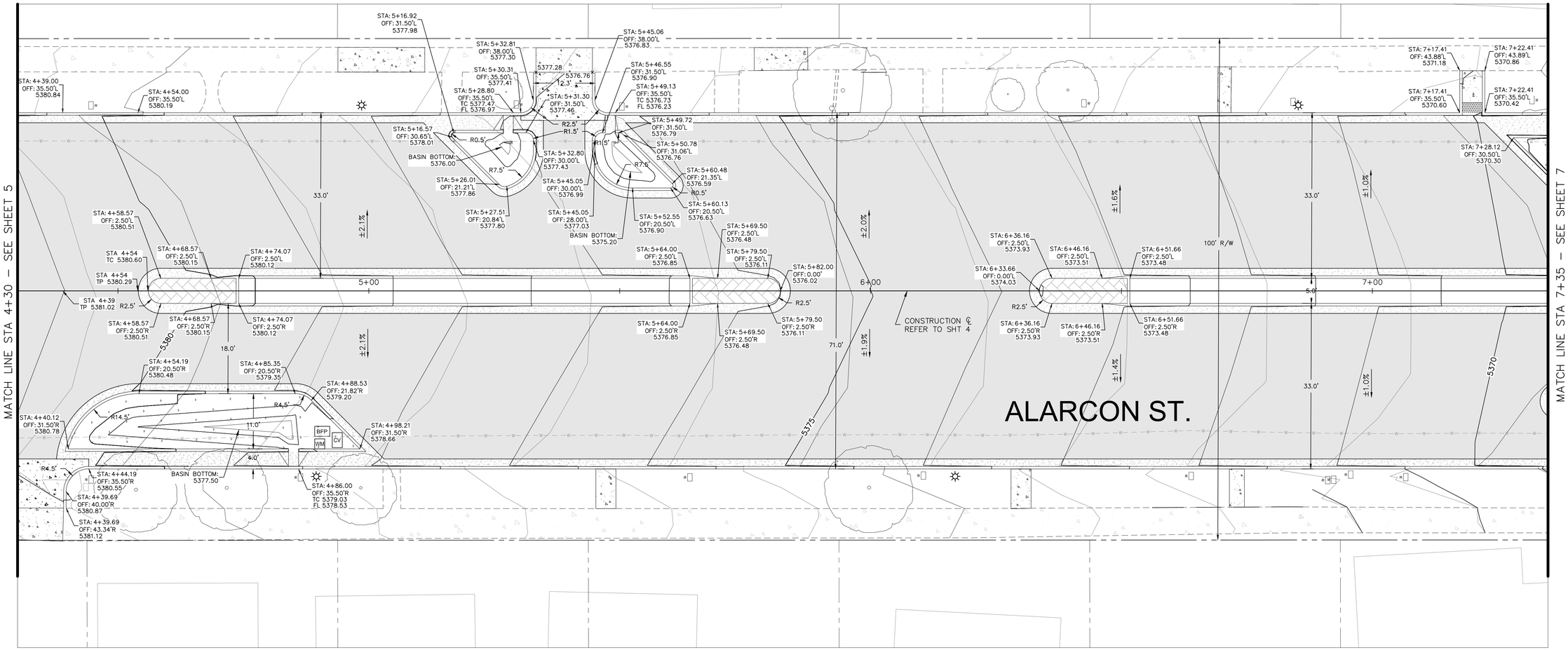
ALL OFFSET DIMENSIONS ARE TO BACK OF CURB AND ALL ELEVATIONS ARE TO TOP OF CURB, UNLESS OTHERWISE NOTED.

SCALE: 1" = 10'

NO.	BY	DATE	ENGINEER	APPR/	DATE	CITY
1	COP	10/19/16	REPLACED SHEET, REVISED ELEVATIONS			

CIP #: 16-008 REVIEW:

FILE NAME&PATH: N:\ENGINEERING\DESIGN\MISC PAVING\ALARCON ST\PLANS\SHEETS\05-08 MEDIAN.DWG



NOTE:

ALL OFFSET DIMENSIONS ARE TO BACK OF CURB AND ALL ELEVATIONS ARE TO TOP OF CURB, UNLESS OTHERWISE NOTED.

10 0 10 20
SCALE: 1" = 10'

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CITY OF PRESCOTT PUBLIC WORKS

MEDIAN STAKING AND SIDEWALK PLAN (2 OF 4)

DWG. NO.
DATE 10/11/16
SHEET NO. 6 OF 26

CITY OF PRESCOTT
Everybody's Hometown

PREPARED BY DJC | CHECKED BY CA | FOR: COP

Registered Professional Engineer (Civil) CERTIFICATE NO. 39473 WILLIAM C. ANDREWS, SR. Registered Professional Engineer ARIZONA U.S.A. Expires 9/30/20

Call at least two full working days Before you begin excavation ARIZONA 811 Arizona Blue Stake, Inc. Dial 8-1-1 or 1-800-STAKE-IT (782-5348) In Maricopa County: (602) 263-1100

NO.	BY	DATE	APPRV	DATE
1	COP	10/10/16	CITY	

REPLACED SHEET. REVISED ELEVATIONS

ENGINEER

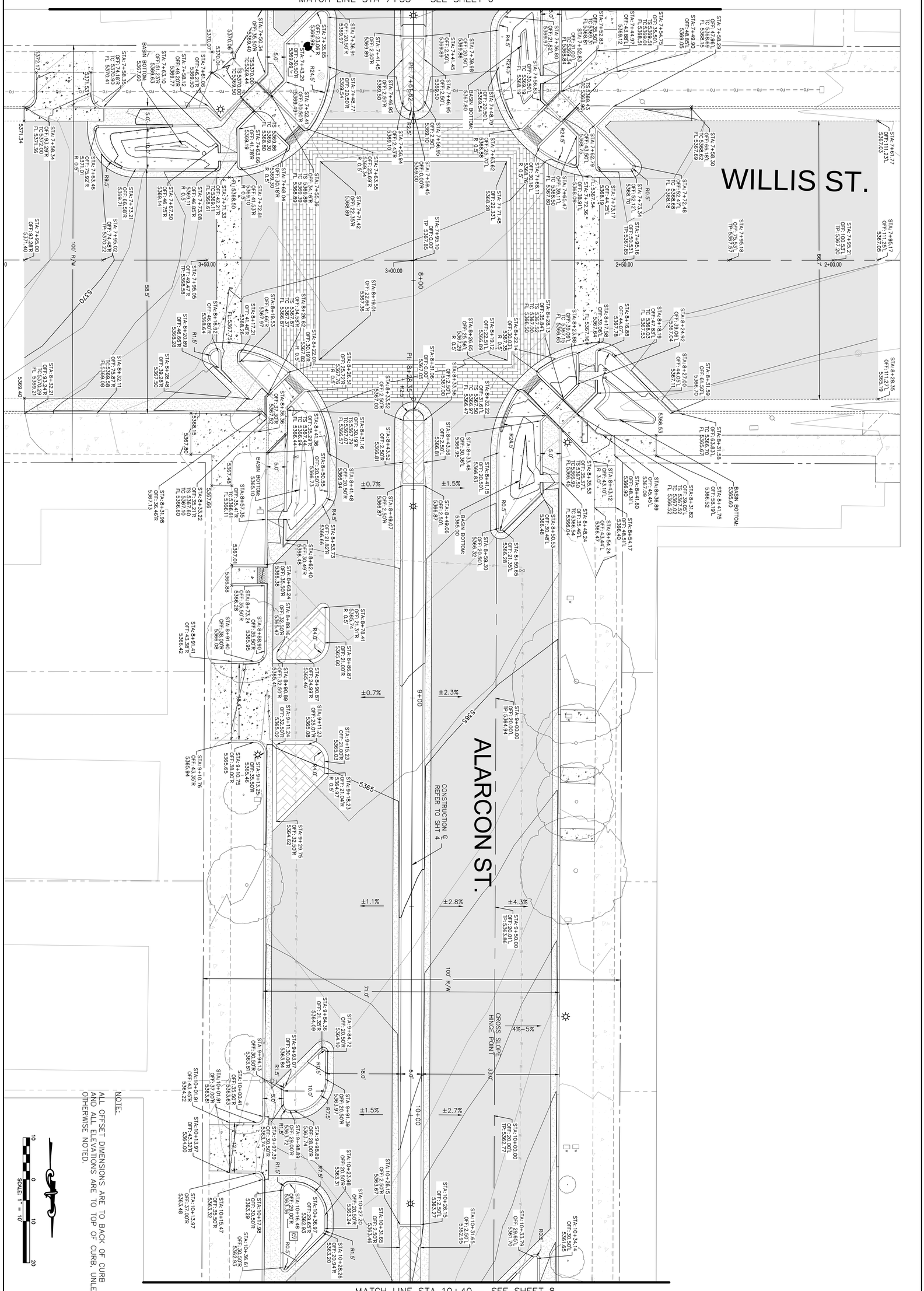
REVIEW:

CIP #: 16-008

ALARCON STREET IMPROVEMENT PROJECT

FILE NAME&PATH: N:\ENGINEERING\DESIGN\MISC PAVING\ALARCON ST\PLANS\SHEETS\05-08 MEDIAN.DWG

MATCH LINE STA 7+35 – SEE SHEET 6



MATCH LINE STA 10+40 – SEE SHEET 8

NOTE:
ALL OFFSET DIMENSIONS ARE TO BACK OF CURB AND ALL ELEVATIONS ARE TO TOP OF CURB, UNLESS OTHERWISE NOTED.

SCALE: 1" = 10'

NO.	BY	DATE	
1	COP	10/10/16	REPLACED SHEET, REVISED ELEVATIONS
ENGINEER			

CIP #: 16-008

REVIEW:

APPRV	DATE
CITY	

Call at least two full working days before you begin excavation.
ARIZONA 811 Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

C. WINTHROP ANDREWS, JR.
Registered Professional Engineer
CERTIFICATE NO. 39473
C. WINTHROP ANDREWS, JR.
ARIZONA U.S.A.
Expires 9/30/2018

CITY OF PRESCOTT
Everybody's Hometown

PREPARED BY	CHECKED BY	FOR:
DJC	CA	COP

CITY OF PRESCOTT PUBLIC WORKS

MEDIAN STAKING AND SIDEWALK PLAN (3 OF 4)

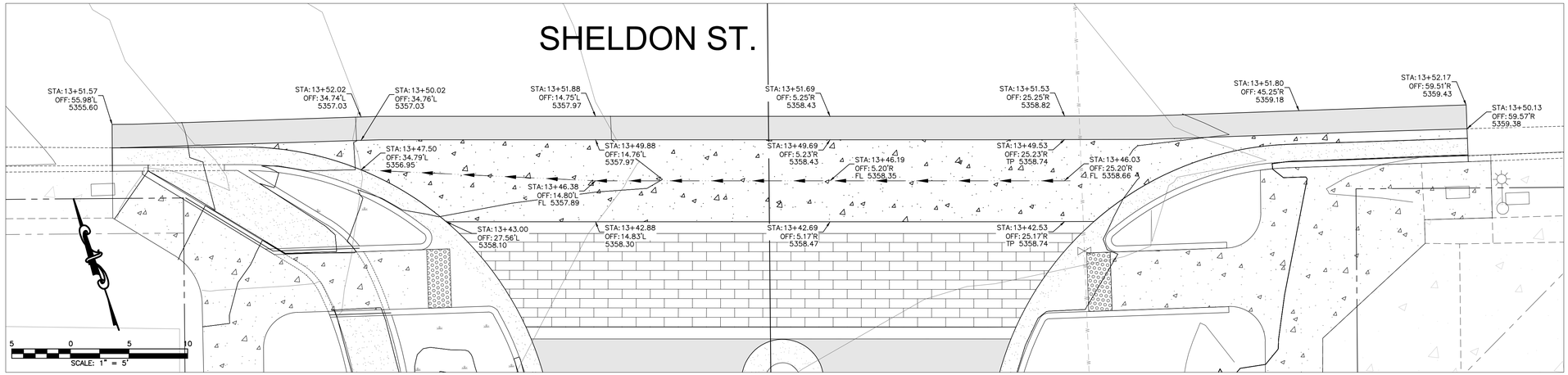
DWG. NO.

DATE 10/11/16

SHEET NO. 7 OF 26

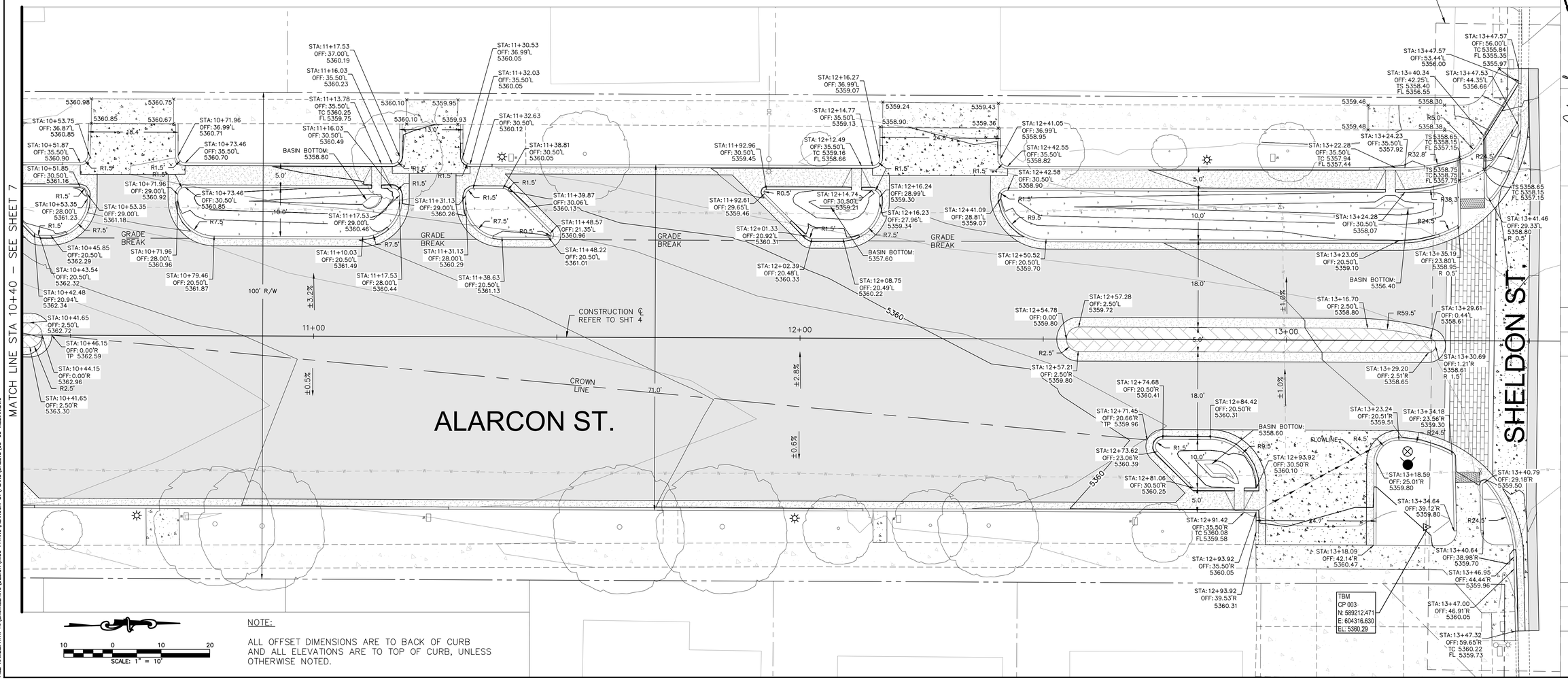
ALARCON STREET IMPROVEMENT PROJECT

SHELDON ST.



SEE INSET ABOVE

MATCH LINE STA 10+40 – SEE SHEET 7



10 0 10 20
SCALE: 1" = 10'

NOTE:

ALL OFFSET DIMENSIONS ARE TO BACK OF CURB AND ALL ELEVATIONS ARE TO TOP OF CURB, UNLESS OTHERWISE NOTED.

DWG. NO.
DATE 10/11/16
SHEET NO. 8 OF 26

CITY OF PRESCOTT PUBLIC WORKS

MEDIAN STAKING AND SIDEWALK PLAN (4 OF 4)

CITY OF PRESCOTT
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PREPARED BY DJC | CHECKED BY CA | FOR: COP

C. W. Andrews, Jr.
Registered Professional Engineer (Civil)
C. W. ANDREWS, JR.
38473
CERTIFICATE NO.
STATE OF ARIZONA
Registered Professional Engineer
Expires 9/30/20

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Arizona Blue Stake, Inc.
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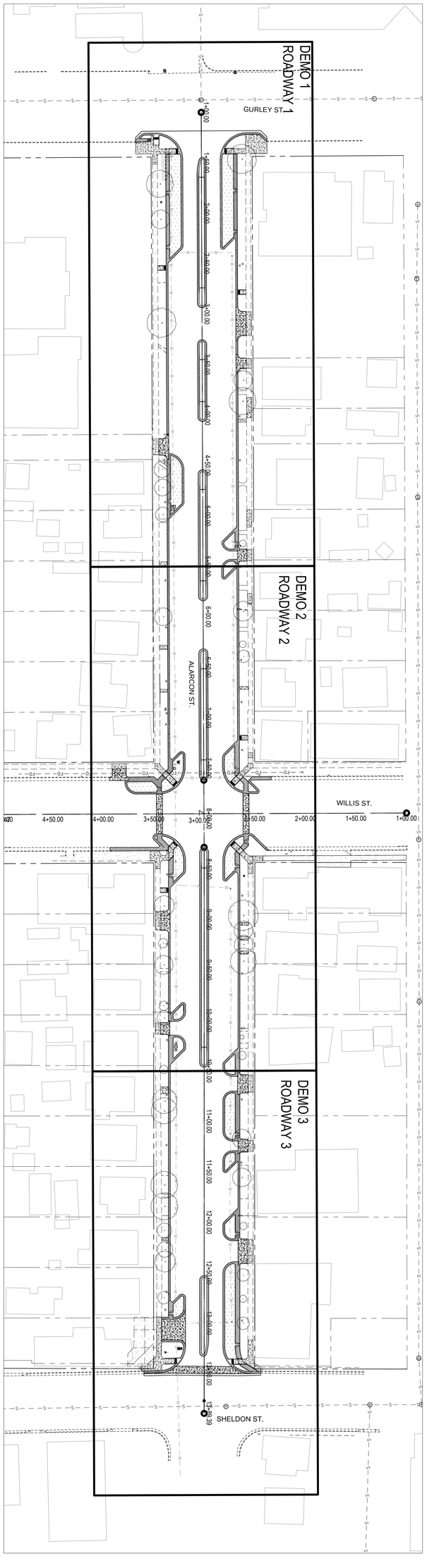
NO.	BY	DATE	ENGINEER	REVIEW:
1	COP	10/10/16	REPLACED SHEET, REVISED ELEVATIONS	APPRV DATE CITY

CIP #: 16-008

ALARCON STREET IMPROVEMENT PROJECT

FILE NAME&PATH: H:\ENGINEERING\DESIGN\MISC PAVING\ALARCON ST\PLANS\SHEETS\05-08 MEDIAN.DWG

FILE NAME&PATH: N:\ENGINEERING\DESIGN\MISC PAVING\ALARCON ST\PLANS\SHEETS\09 KEYMAP.DWG



SCALE: 1" = 50'

NO.	BY	DATE		APPRV	DATE
ENGINEER				CITY	

CIP #: 16-008

REVIEW:

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In Maricopa County: (602) 263-1100

C. WINTHROP ANDREWS, JR.
CERTIFICATE NO. 39473
REGISTERED PROFESSIONAL ENGINEER
ARIZONA U.S.A.
Date Signed 10/11/16
Expires 9/30/2018

CITY OF PRESCOTT
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PREPARED BY	CHECKED BY	FOR:
DJC	CA	COP

CITY OF PRESCOTT PUBLIC WORKS

PROJECT KEYMAP

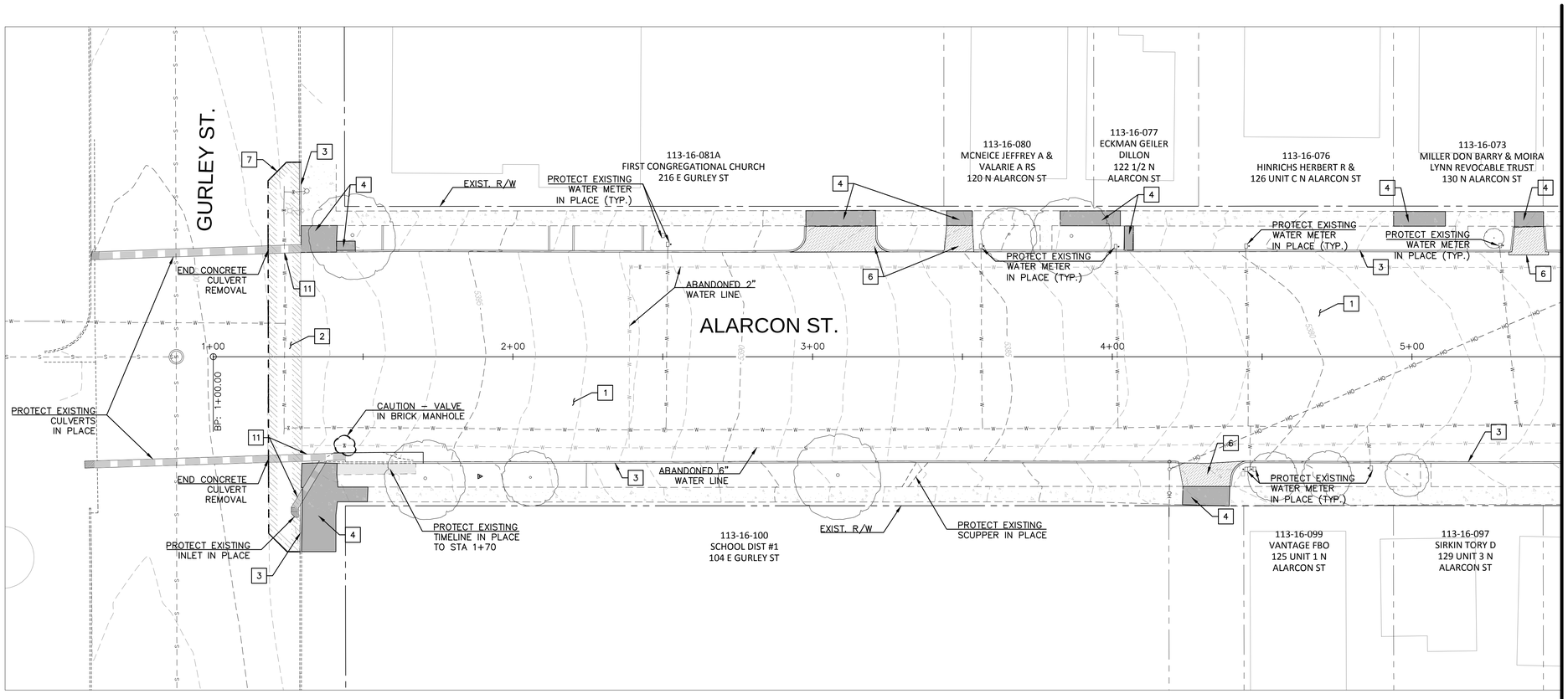
DWG. NO.

DATE 10/11/16

SHEET NO. 9 OF 26

ALARCON STREET IMPROVEMENT PROJECT

REMOVALS			
#	DESCRIPTION	QUANTITY	
1	PULVERIZE PAVEMENT	3,260	SY
2	REMOVE PAVEMENT	155	SY
3	REMOVE CONCRETE CURB & GUTTER	900	LF
4	REMOVE SIDEWALK TO NEAREST JOINT TO INCLUDE RAMPS	995	SF
5	REMOVE EXISTING CONCRETE VALLEY GUTTER	--	SF
6	REMOVE EXISTING CONCRETE DRIVEWAY	535	SF
7	SAWCUT PAVEMENT	145	LF
8	SAWCUT SIDEWALK	--	LF
9	REMOVE TREE, DIA. > 12"	--	EA
10	REMOVE TREE, DIA. < 12"	--	EA
11	REMOVE SHALLOW CONCRETE CULVERT	66	LF
12	REMOVE RIVER ROCK TO BE USED PER LANDSCAPE PLAN	--	CY



SCALE: 1" = 20'

DWG. NO.
DATE 10/11/16
SHEET NO. 10 OF 26

CITY OF PRESCOTT PUBLIC WORKS

DEMOLITION PLAN (1 OF 3)

ALARCON STREET IMPROVEMENT PROJECT

CITY OF PRESCOTT
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PREPARED BY DJC | CHECKED BY CA | FOR: COP

(C.W. James) Expires 9/30/17

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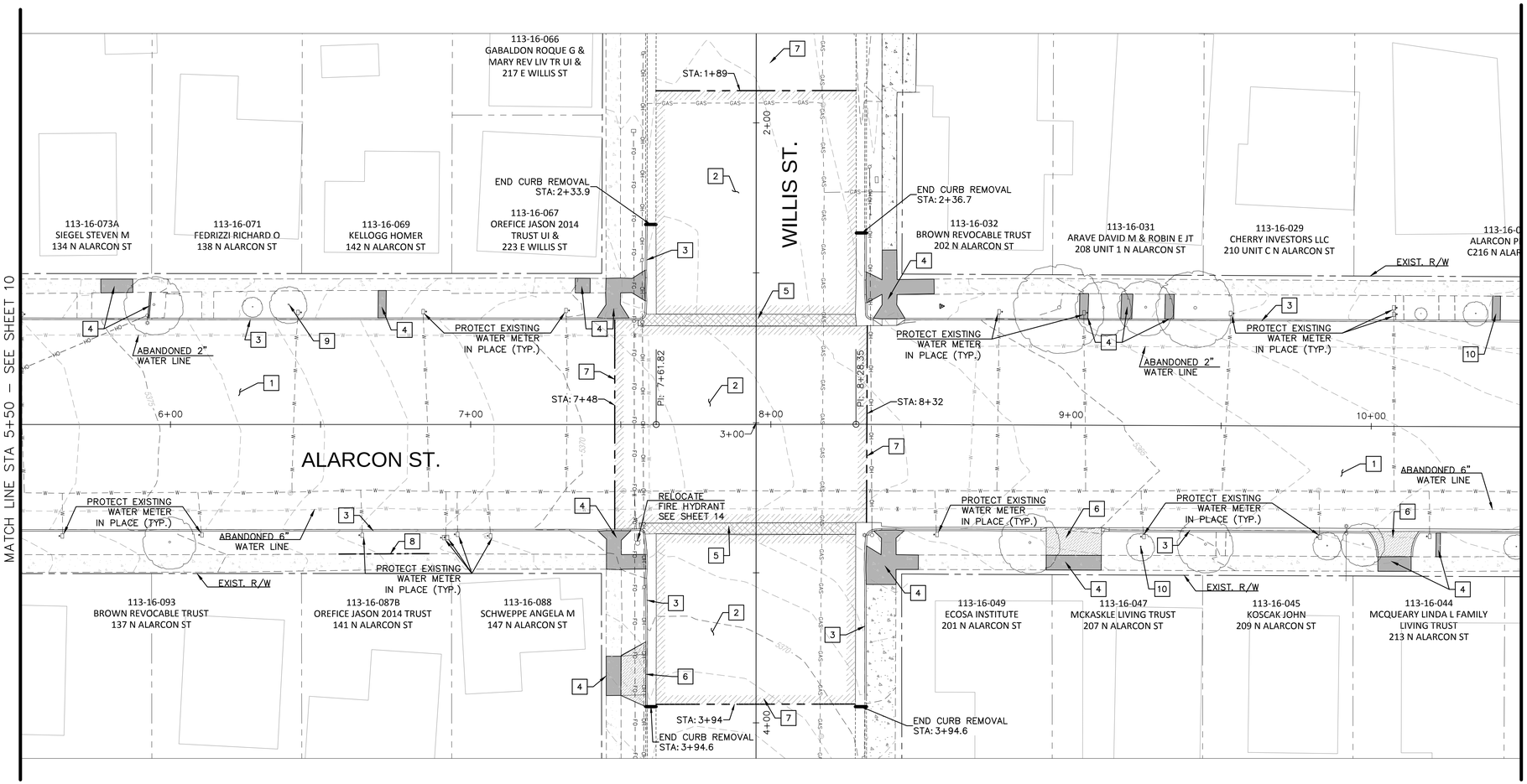
NO.	BY	DATE	ENGINEER	APPRV	DATE	CITY

CIP #: 16-008

REVIEW:

FILE NAME&PATH: N:\ENGINEERING\DESIGN\MISC. PAVING\ALARCON ST\PLANS\SHEETS\10-12 DEMO.DWG

REMOVALS			
#	DESCRIPTION	QUANTITY	
1	PULVERIZE PAVEMENT	3,210	SY
2	REMOVE PAVEMENT	1,640	SY
3	REMOVE CONCRETE CURB & GUTTER	1,030	LF
4	REMOVE SIDEWALK TO NEAREST JOINT TO INCLUDE RAMPS	1085	SF
5	REMOVE EXISTING CONCRETE VALLEY GUTTER	545	SF
6	REMOVE EXISTING CONCRETE DRIVEWAY	425	SF
7	SAWCUT PAVEMENT	270	LF
8	SAWCUT SIDEWALK	30	LF
9	REMOVE TREE, DIA. > 12"	1	EA
10	REMOVE TREE, DIA. < 12"	1	EA
11	REMOVE SHALLOW CONCRETE CULVERT	--	LF
12	REMOVE RIVER ROCK TO BE USED PER LANDSCAPE PLAN	--	CY



20 0 20 40
SCALE: 1" = 20'

DWG. NO. 11 SHEET NO. OF 26
DATE 10/11/16

CITY OF PRESCOTT PUBLIC WORKS

DEMOLITION PLAN (2 OF 3)

ALARCON STREET IMPROVEMENT PROJECT

CITY OF PRESCOTT *Everything's Hometown*

PREPARED BY DJC | CHECKED BY CA | FOR: COP

Professional Engineer (Civil) CERTIFICATE NO. 39473 Registered in ARIZONA U.S.A. Expires 9/30/17

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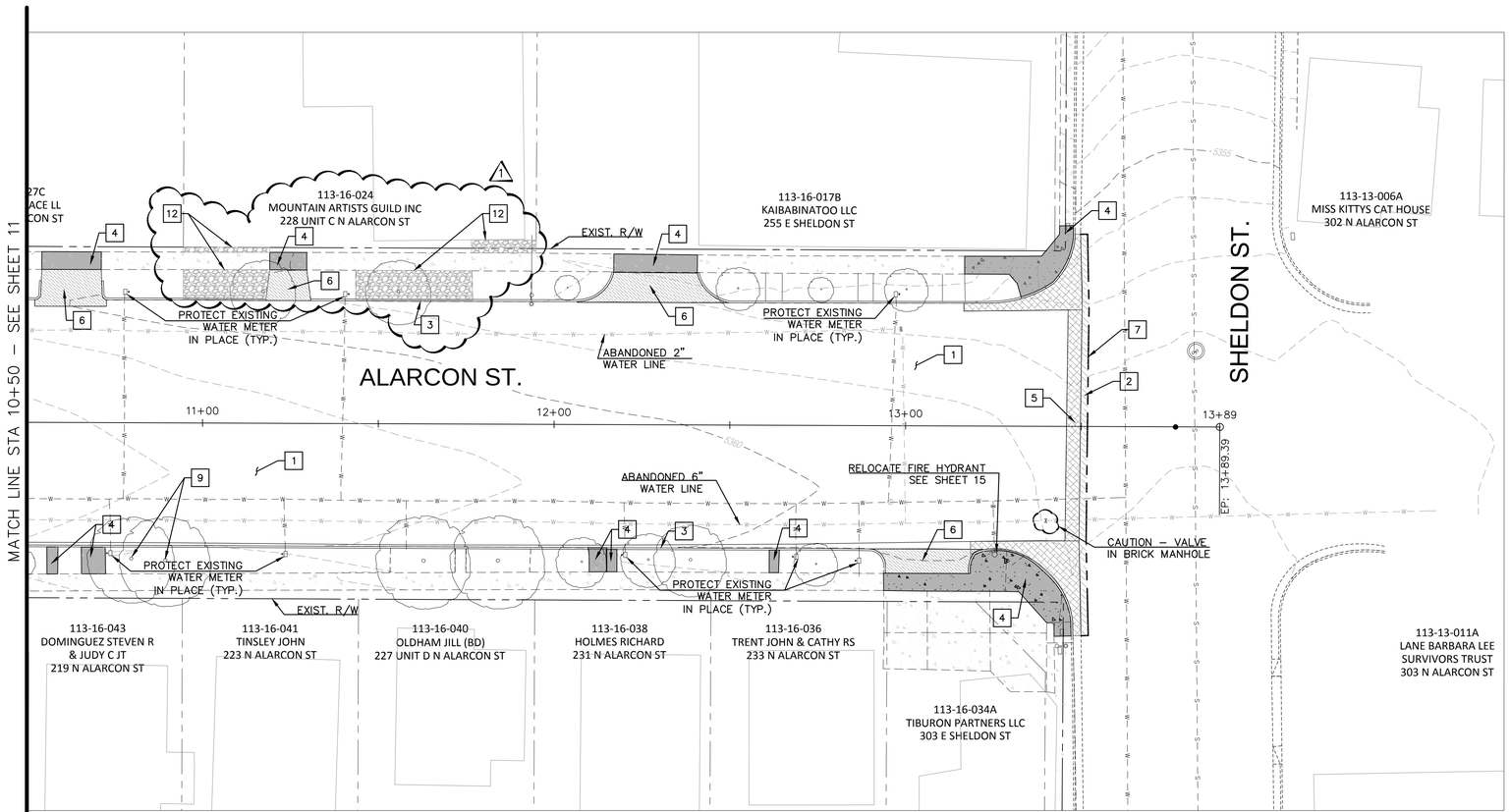
NO.	BY	DATE	ENGINEER	APPRV	DATE	CITY

CIP #: 16-008 REVIEW:

FILE NAME&PATH: N:\ENGINEERING\DESIGN\MISC. PAVING\ALARCON ST\PLANS\SHEETS\10-12 DEMO.DWG



REMOVALS			
#	DESCRIPTION	QUANTITY	
1	PULVERIZE PAVEMENT	2,255	SY
2	REMOVE PAVEMENT	25	SY
3	REMOVE CONCRETE CURB & GUTTER	630	LF
4	REMOVE SIDEWALK TO NEAREST JOINT TO INCLUDE RAMPS	1,015	SF
5	REMOVE EXISTING CONCRETE VALLEY GUTTER	685	SF
6	REMOVE EXISTING CONCRETE DRIVEWAY	715	SF
7	SAWCUT PAVEMENT	115	LF
8	SAWCUT SIDEWALK	--	LF
9	REMOVE TREE, DIA. > 12"	2	EA
10	REMOVE TREE, DIA. < 12"	--	EA
11	REMOVE SHALLOW CONCRETE CULVERT	--	LF
12	REMOVE RIVER ROCK TO BE USED PER LANDSCAPE PLAN	7	CY

20 0 20 40
SCALE: 1" = 20'

DWG. NO.
DATE 10/11/16
SHEET NO. 12 OF 26

CITY OF PRESCOTT PUBLIC WORKS

DEMOLITION PLAN (3 OF 3)

ALARCON STREET IMPROVEMENT PROJECT

CITY OF PRESCOTT
Everybody's Hometown

PREPARED BY DJC | CHECKED BY CA | FOR: COP

C. W. Andrews, Jr.
RESIDENT CERTIFICATE NO. 39473
C. W. ANDREWS, SR.
Registered Professional Engineer (Civil)
ARIZONA U.S.A.
9/30/20

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Arizona Blue Stake, Inc.
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In Maricopa County: (602) 263-1100

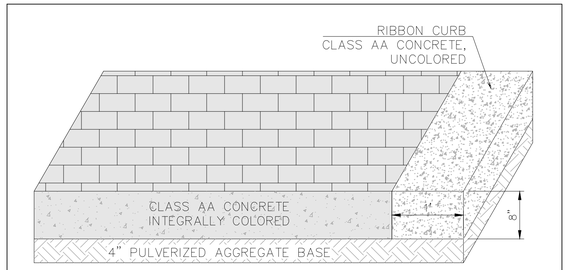
NO.	BY	DATE	APPRV	DATE
1	COP	10/10/16	CITY	

LOCATED RIVER ROCK TO BE REMOVED

CIP #: 16-008

REVIEW:

FILE NAME&PATH: N:\ENGINEERING\DESIGN\MISC PAVING\ALARCON ST\PLANS\SHEETS\10-12 DEMO.DWG



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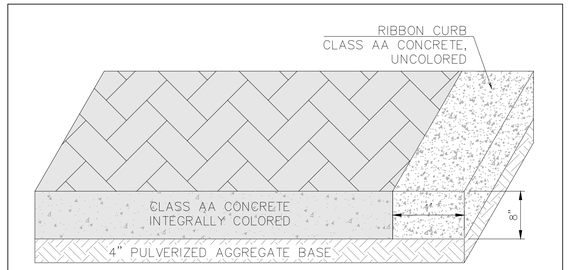

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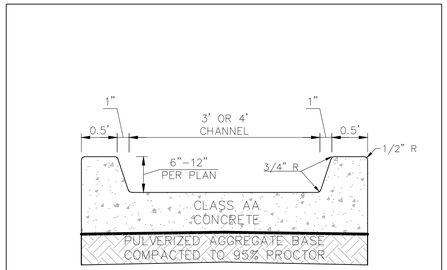
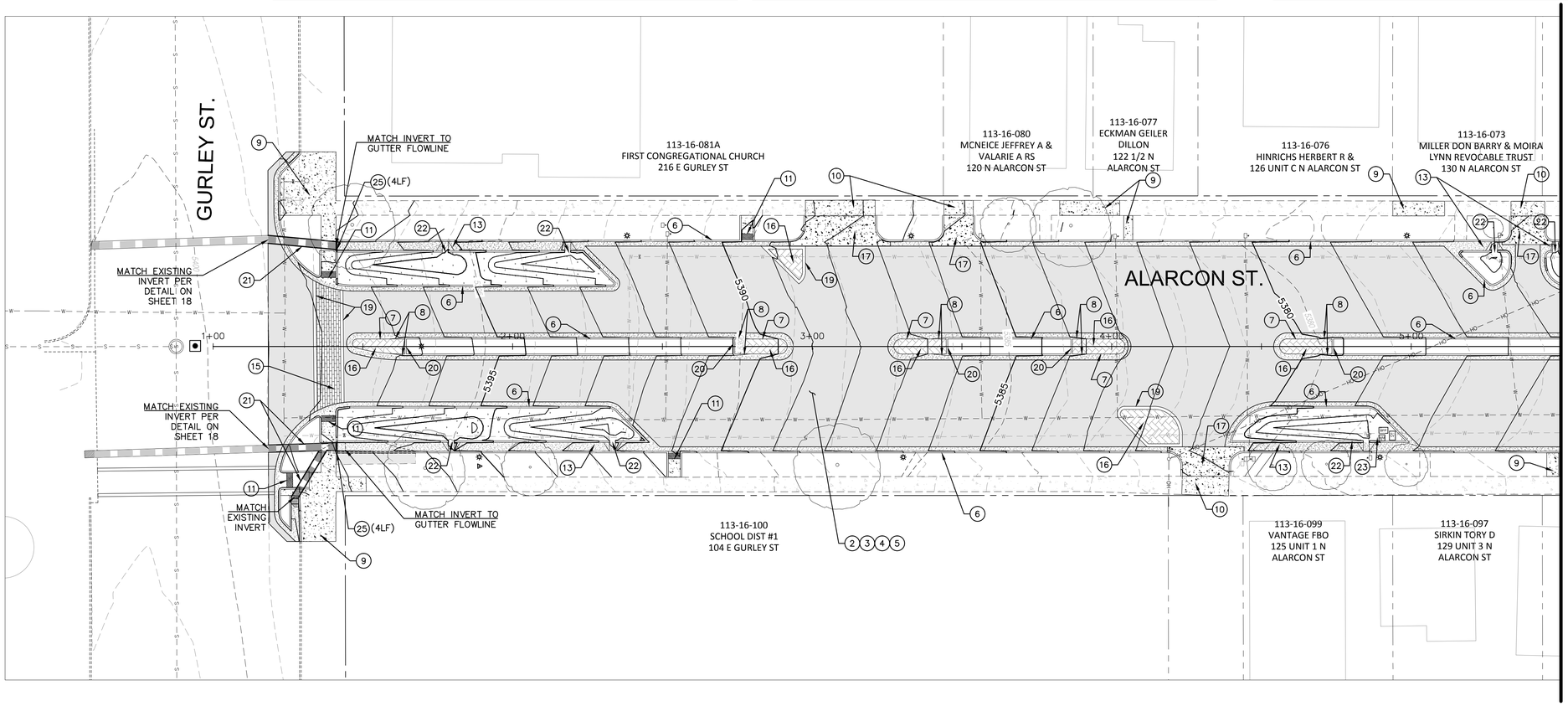


CHANNEL DETAIL



CONSTRUCTION NOTES			
#	DESCRIPTION	QUANTITY	
1	SUBGRADE PREPARATION	N/A	SY
2	PREPARE AGGREGATE BASE COURSE (8") PER STRUCTURAL SECTION ON SHEET 3	2,962	SY
3	INSTALL ASPHALT CONCRETE (2.5" + MIX/SURFACE COURSE PER STRUCTURAL SECTION ON SHEET 3	2,432	SY
4	INSTALL ASPHALT CONCRETE (2.5" + MIX/SURFACE COURSE PER STRUCTURAL SECTION ON SHEET 3	2,432	SY
5	BITUMINOUS TACK COAT	730	GAL
6	INSTALL VERTICAL CURB AND GUTTER (TYPE "A") PER QUAD CITY STD. DTL. 220Q-1	1,554	LF
7	INSTALL 4" ROLL CURB AND GUTTER (TYPE "D") PER QUAD CITY STD. DTL. 220Q-1	139	LF
8	INSTALL 5' CURB TRANSITION PER QUAD CITY STD. DTL. 221Q	10	EA
9	INSTALL 4" CONCRETE SIDEWALK (MATCH EX. WIDTH) PER QUAD CITY STD. DTL. 230P	988	SF
10	INSTALL 6" CONCRETE SIDEWALK (MATCH EX. WIDTH) PER QUAD CITY STD. DTL. 230P	315	SF
11	INSTALL SIDEWALK RAMP PER DTL. ON SHEET 18	5	EA
12	INSTALL (6') VALLEY GUTTER AND SPANDRELS PER QUAD CITY STD. DTL. 240Q-1	N/A	SF
13	INSTALL 3' WIDE CONCRETE CHANNEL PER DETAIL, THIS SHEET	271	LF
14	INSTALL 4' WIDE CONCRETE CHANNEL PER DETAIL, THIS SHEET	N/A	LF
15	INSTALL TYPE 1 STAMPED CONCRETE (CROSSWALKS) PER DETAIL, THIS SHEET	320	SF
16	INSTALL TYPE 2 STAMPED CONCRETE PER DETAIL, THIS SHEET	745	SF
17	INSTALL RETURN-TYPE DRIVEWAY PER QUAD CITY STD. DTL. 251Q	664	SF
18	INSTALL SURVEY MONUMENT PER QUAD CITY STD. DTL. 120Q, TYPE 'A'	N/A	EA
19	INSTALL RIBBON CURB PER DETAIL 220Q-1	186	LF
20	INSTALL SINGLE CURB PER MAG DETAIL 222 TYPE 'B'	25	LF
21	INSTALL NEW CONCRETE BOX CULVERT (2.5'X0.5') PER DETAIL ON SHEET 18	67	LF
22	INSTALL CURB OPENING PER DETAIL ON SHEET 18	7	EA
23	INSTALL 1" WATER SERVICE, METER, BOX, AND COVER PER COP DETAIL 316P	1	EA
24	RELOCATE EXISTING FIRE HYDRANT PER QUAD CITY DTL. 360Q	N/A	EA
25	INSTALL HANDRAIL PER QCSD 145Q	8	LF

NOTE:

RIGHT OF WAY LINES SHOWN WERE DERIVED FROM THE CITY GIS. THEY ARE NOT INTENDED TO BE USED FOR DESCRIPTION, CONVEYANCE, AUTHORITATIVE DEFINITION OF LEGAL BOUNDARY, OR PROPERTY TITLE. THIS IS NOT A SURVEY PRODUCT.

20 0 20 40
SCALE: 1" = 20'

DWG. NO.
DATE 10/11/16
SHEET NO. 13 OF 26

CITY OF PRESCOTT PUBLIC WORKS

ALARCON STREET ROADWAY
PLAN STA 1+00 - 5+50

ALARCON STREET IMPROVEMENT PROJECT

CITY OF PRESCOTT
Everybody's Hometown

PREPARED BY: DJC | CHECKED BY: CA | FOR: COP

Professional Engineer (Civil)
CERTIFICATE NO. 39473
DAVID J. CURTIS
ANDREWS, SR.
Date Signed 9/30/20
ARIZONA U.S.A.
Expires 9/30/20

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ARIZONA811
Arizona Blue Stake, Inc.
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In Maricopa County: (602) 263-1100

NO.	BY	DATE	ENGINEER	APPRV	DATE	CITY

CIP #: 16-008

REVIEW:

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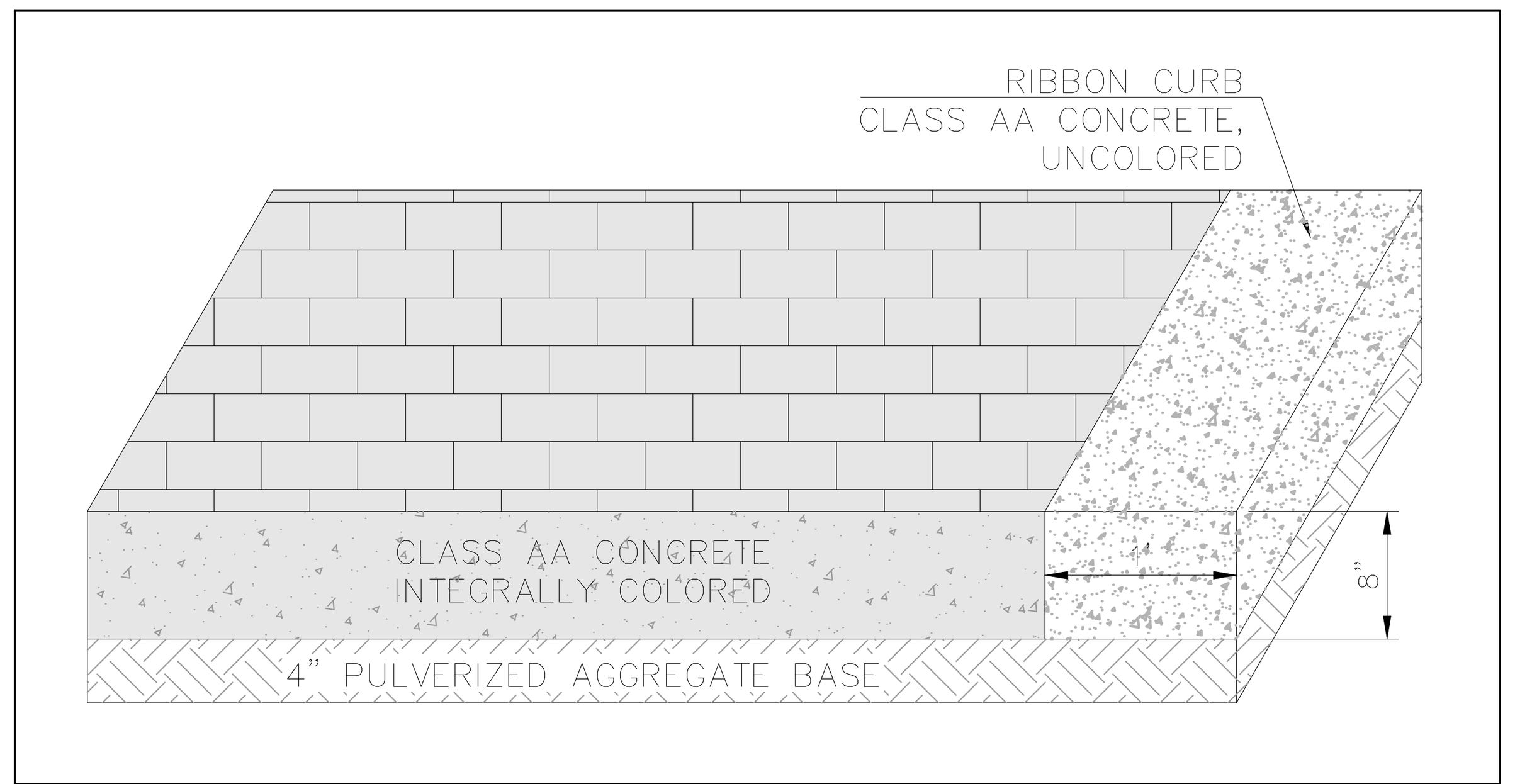

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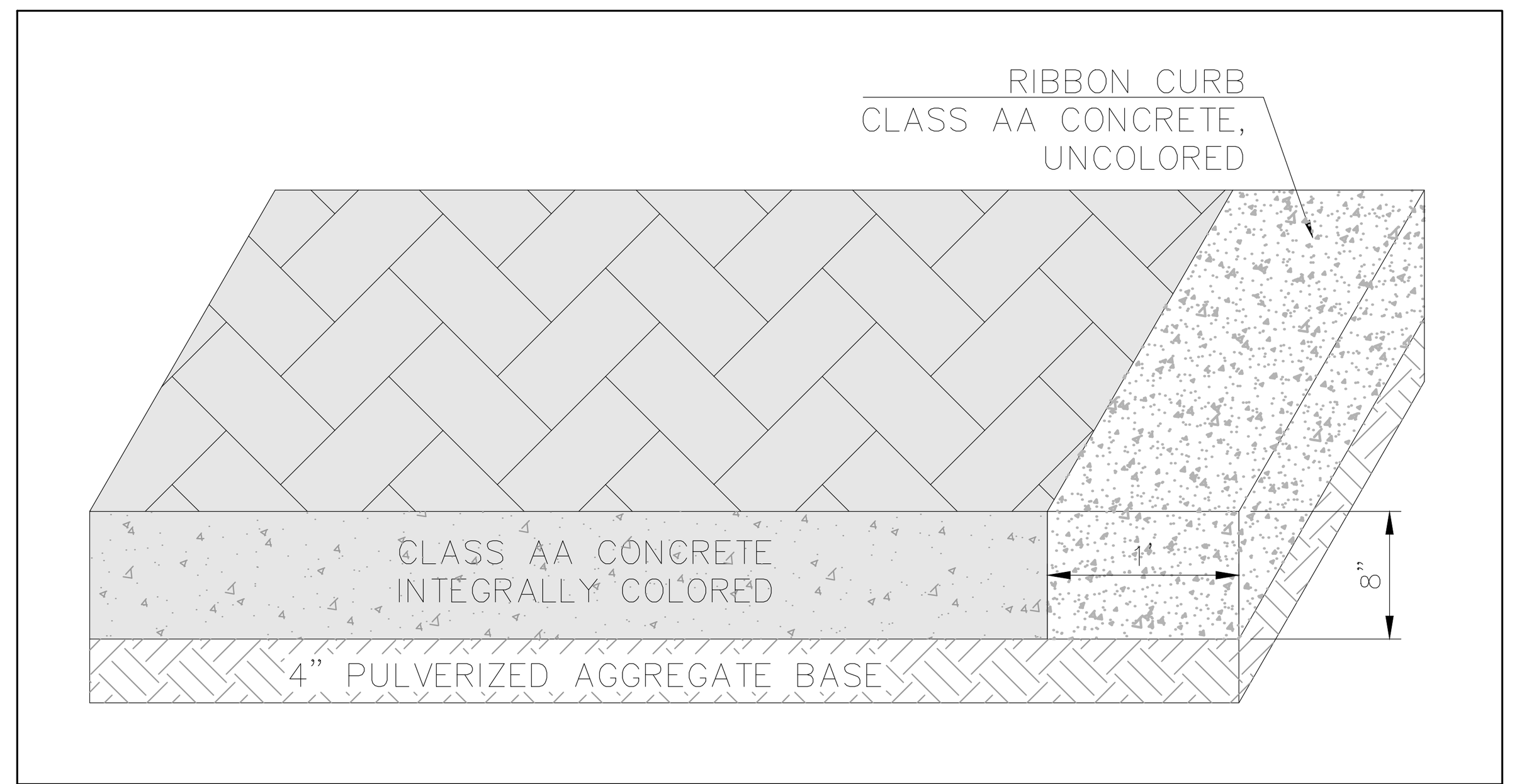

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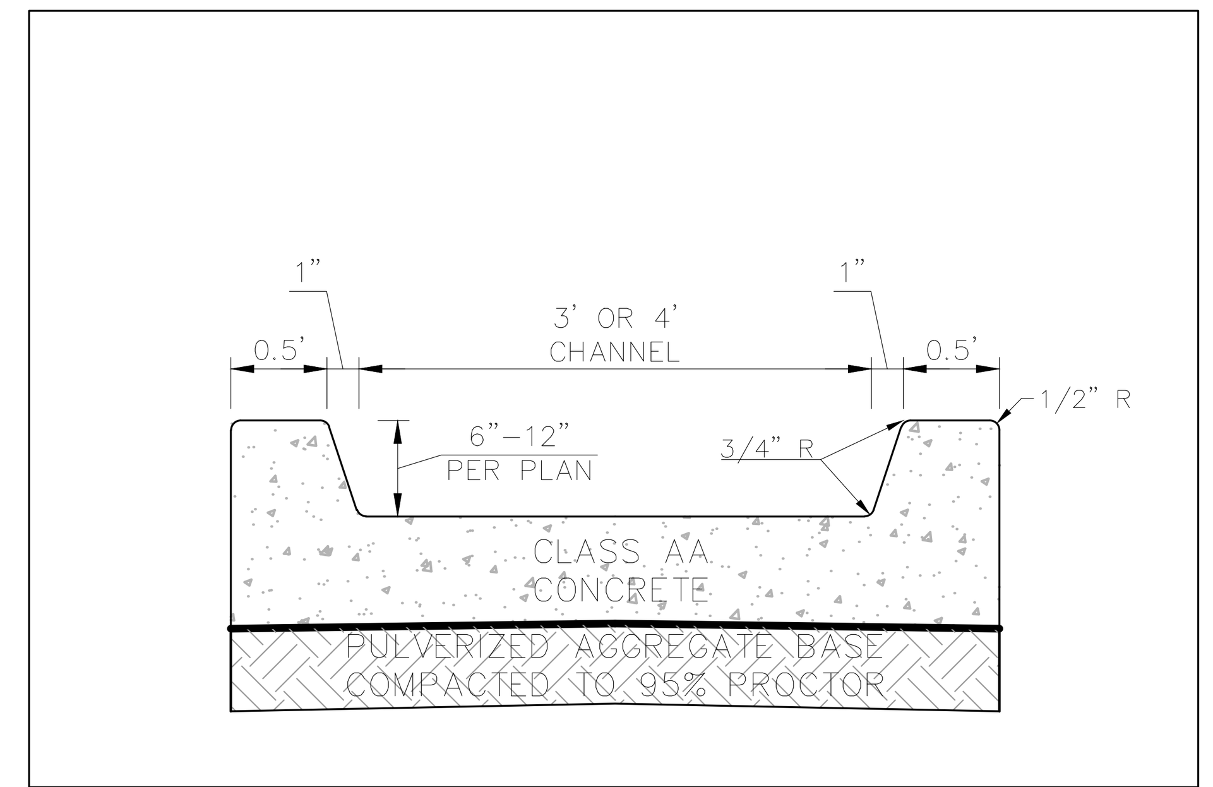

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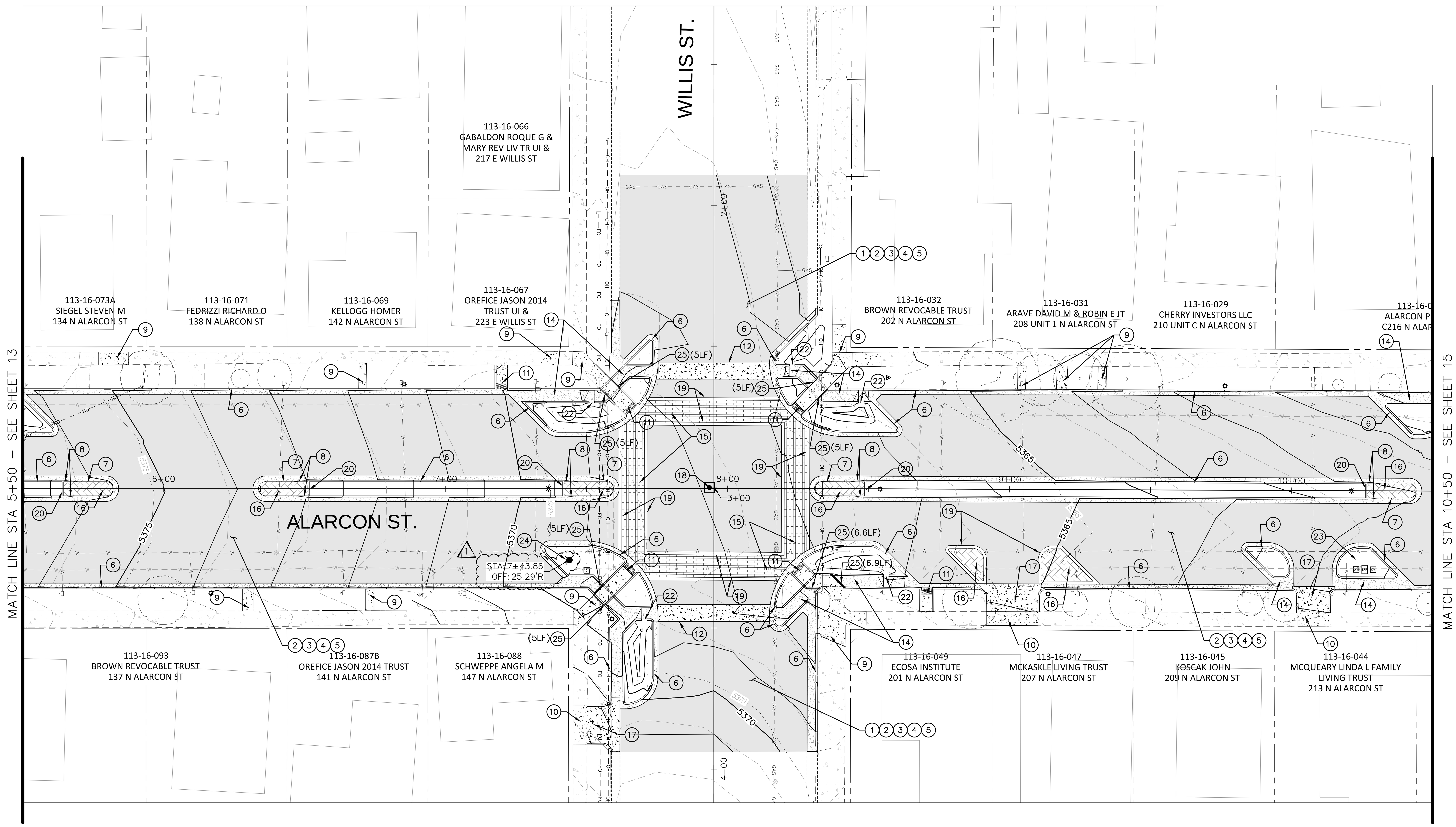

SCALE: 1" = 20'

CONSTRUCTION NOTES			
#	DESCRIPTION	QUANTITY	
1	SUBGRADE PREPARATION	4,925	SY
2	PREPARE AGGREGATE BASE COURSE (8") PER STRUCTURAL SECTION ON SHEET 3	4,240	SY
3	INSTALL ASPHALT CONCRETE (2.5" + MIX/SURFACE COURSE PER STRUCTURAL SECTION ON SHEET 3	3,811	SY
4	INSTALL ASPHALT CONCRETE (2.5" + MIX/SURFACE COURSE PER STRUCTURAL SECTION ON SHEET 3	3,811	SY
5	BITUMINOUS TACK COAT	1,143	GAL
6	INSTALL VERTICAL CURB AND GUTTER (TYPE "A") PER QUAD CITY STD. DTL. 220Q-1	1,808	LF
7	INSTALL 4" ROLL CURB AND GUTTER (TYPE "D") PER QUAD CITY STD. DTL. 220Q-1	140	LF
8	INSTALL 5' CURB TRANSITION PER QUAD CITY STD. DTL. 221Q	10	EA
9	INSTALL 4" CONCRETE SIDEWALK (MATCH EX. WIDTH) PER QUAD CITY STD. DTL. 230P	990	SF
10	INSTALL 6" CONCRETE SIDEWALK (MATCH EX. WIDTH) PER QUAD CITY STD. DTL. 230P	145	SF
11	INSTALL SIDEWALK RAMP PER DTL. ON SHEET 18	6	EA
12	INSTALL (6') VALLEY GUTTER AND SPANDRELS PER QUAD CITY STD. DTL. 240Q-1	479	SF
13	INSTALL 3' WIDE CONCRETE CHANNEL PER DETAIL, THIS SHEET	N/A	LF
14	INSTALL 4' WIDE CONCRETE CHANNEL PER DETAIL, THIS SHEET	274	LF
15	INSTALL TYPE 1 STAMPED CONCRETE (CROSSWALKS) PER DETAIL, THIS SHEET	1,600	SF
16	INSTALL TYPE 2 STAMPED CONCRETE PER DETAIL, THIS SHEET	745	SF
17	INSTALL RETURN-TYPE DRIVEWAY PER QUAD CITY STD. DTL. 251Q	1,178	SF
18	INSTALL SURVEY MONUMENT PER QUAD CITY STD. DTL. 120Q, TYPE 'A'	1	EA
19	INSTALL RIBBON CURB PER DETAIL 220Q-1	515	LF
20	INSTALL SINGLE CURB PER MAG DETAIL 222 TYPE 'B'	25	LF
21	INSTALL NEW CONCRETE BOX CULVERT (2.5'X0.5') PER DETAIL ON SHEET 18	N/A	LF
22	INSTALL CURB OPENING PER DETAIL ON SHEET 18	5	EA
23	INSTALL 1" WATER SERVICE, METER, BOX, AND COVER PER COP DETAIL 316P	1	EA
24	RELOCATE EXISTING FIRE HYDRANT PER QUAD CITY DTL. 360Q	1	EA
25	INSTALL HANDRAIL PER QCSD 145Q	43.5	LF

NOTE:

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ALARCON STREET IMPROVEMENT PROJECT

CITY OF PRESCOTT PUBLIC WORKS

ALARCON STREET ROADWAY PLAN STA 5+50 - 10+50

DWG. NO.

DATE 10/11/16

SHEET NO. 14 OF 26

CITY OF PRESCOTT Everybody's Hometown

PREPARED BY	CHECKED BY	FOR:
DJC	CA	COP

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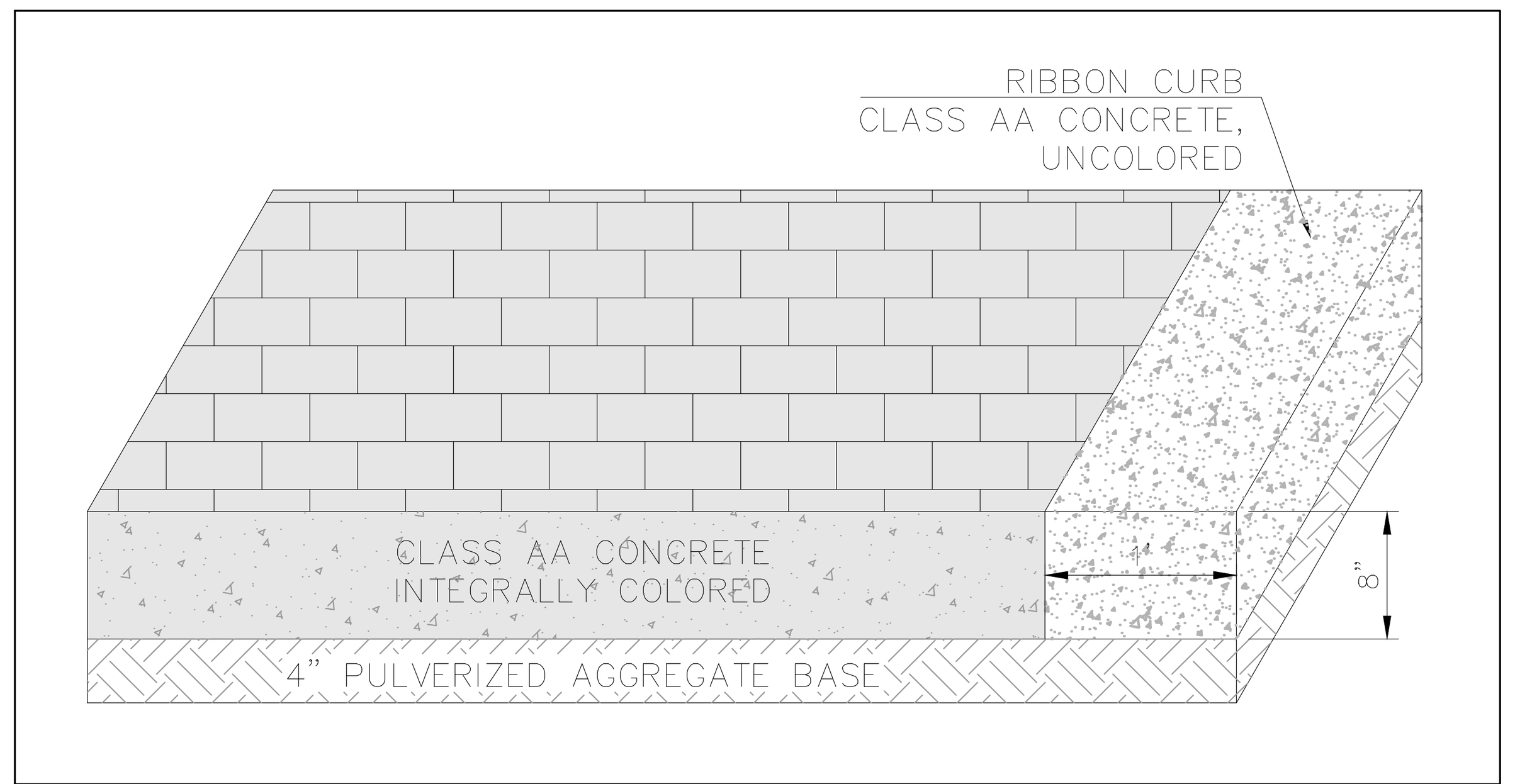
NO.	BY	DATE		APPRV	DATE
1	COP	10/10/16	ADDED STATION AND OFFSET TO NEW FIREHYDRANT LOCATION	CITY	

ENGINEER

REVIEW:

CIP #: 16-008

FILE NAME&PATH: N:\ENGINEERING\DESIGN\MISC PAVING\ALARCON ST\PLANS\SHEETS\13-15 PAVING P&P.DWG



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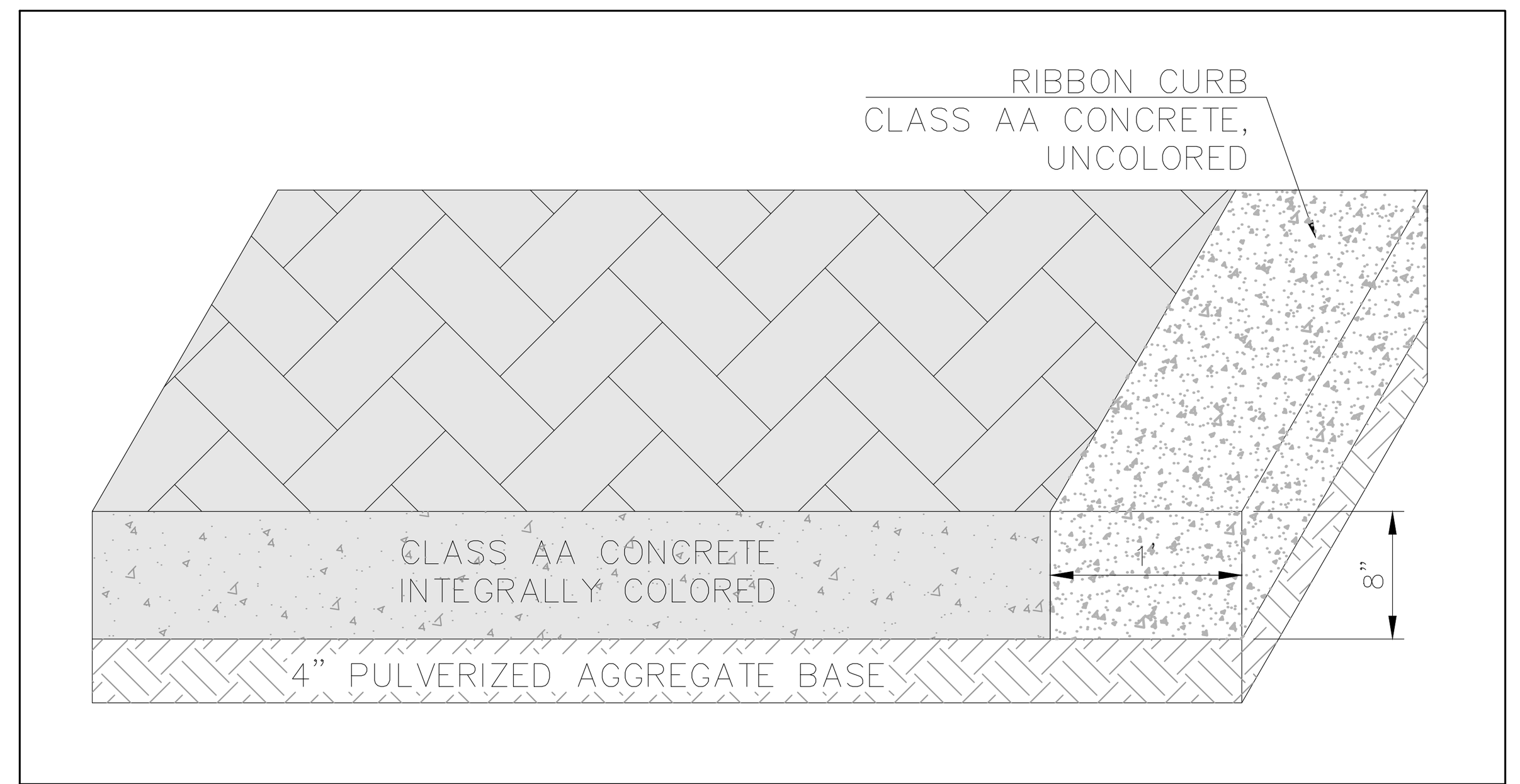
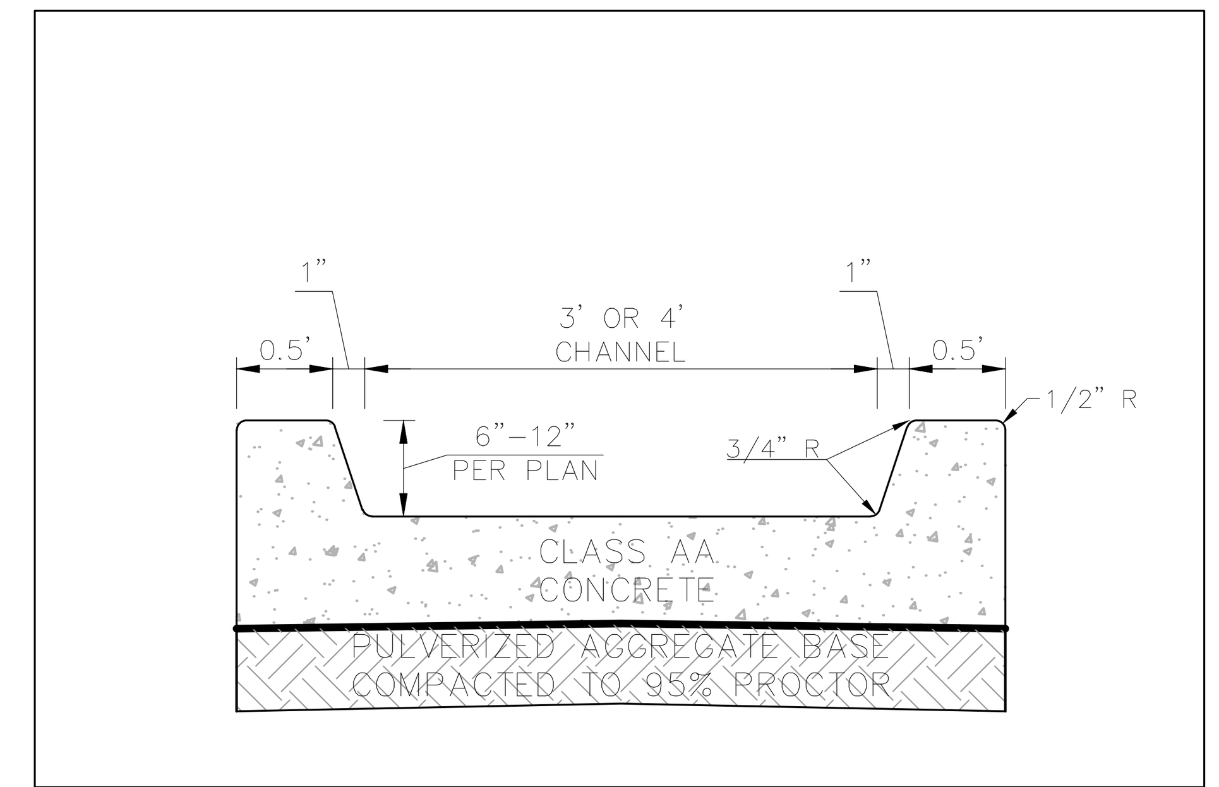
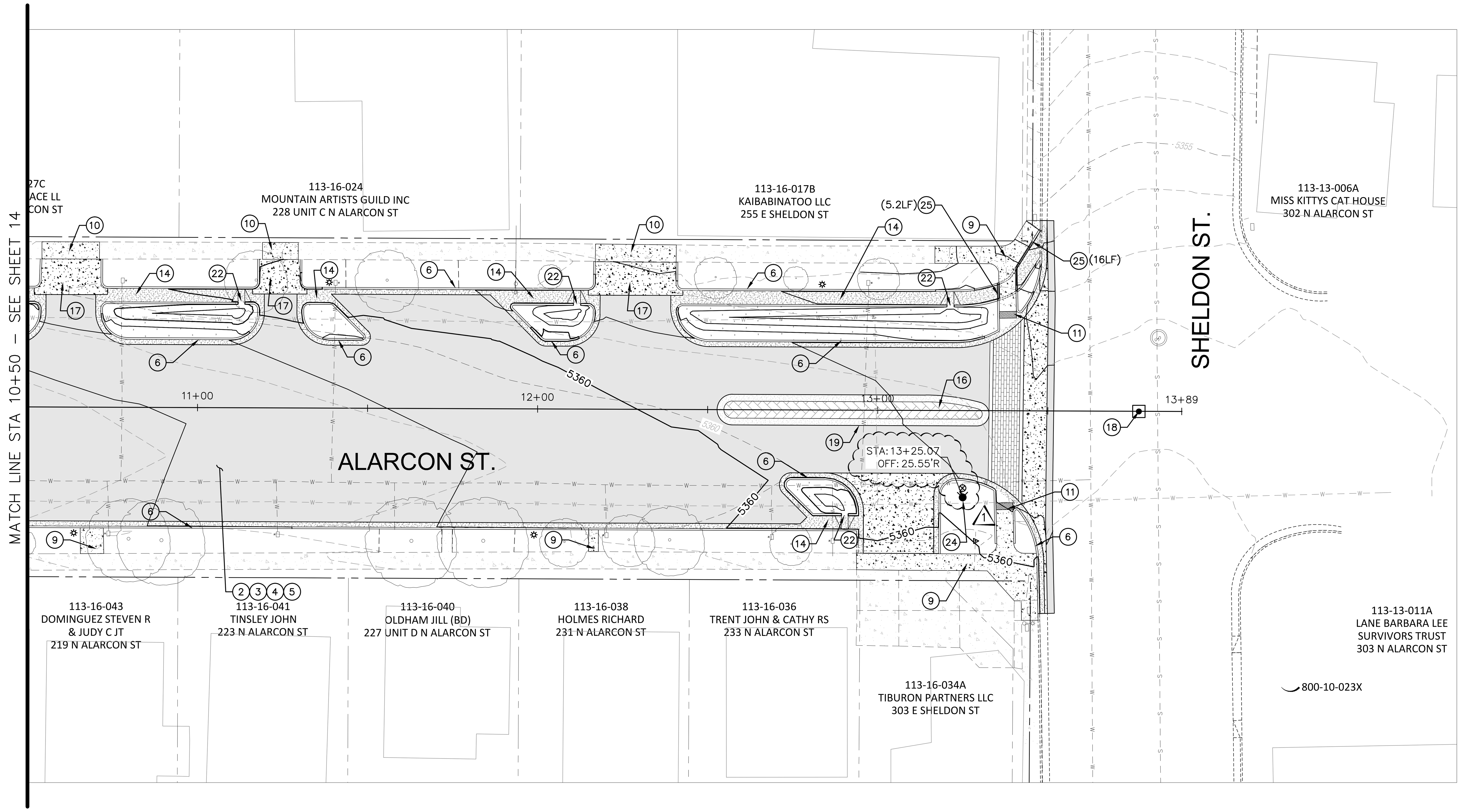


TYPE II STAMPED CONCRETE



CHANNEL DETAIL



CONSTRUCTION NOTES			
#	DESCRIPTION	QUANTITY	
1	SUBGRADE PREPARATION	N/A	SY
2	PREPARE AGGREGATE BASE COURSE (8") PER STRUCTURAL SECTION ON SHEET 3	2,070	SY
3	INSTALL ASPHALT CONCRETE (2.5" + MIX/SURFACE COURSE PER STRUCTURAL SECTION ON SHEET 3	1,719	SY
4	INSTALL ASPHALT CONCRETE (2.5" + MIX/SURFACE COURSE PER STRUCTURAL SECTION ON SHEET 3	1,719	SY
5	BITUMINOUS TACK COAT	516	GAL
6	INSTALL VERTICAL CURB AND GUTTER (TYPE "A") PER QUAD CITY STD. DTL. 220Q-1	1,107	LF
7	INSTALL 4" ROLL CURB AND GUTTER (TYPE "D") PER QUAD CITY STD. DTL. 220Q-1	N/A	LF
8	INSTALL 5' CURB TRANSITION PER QUAD CITY STD. DTL. 221Q	N/A	EA
9	INSTALL 4" CONCRETE SIDEWALK (MATCH EX. WIDTH) PER QUAD CITY STD. DTL. 230P	600	SF
10	INSTALL 6" CONCRETE SIDEWALK (MATCH EX. WIDTH) PER QUAD CITY STD. DTL. 230P	261	SF
11	INSTALL SIDEWALK RAMP PER DTL. ON SHEET 18	2	EA
12	INSTALL (6') VALLEY GUTTER AND SPANDRELS PER QUAD CITY STD. DTL. 240Q-1	N/A	SF
13	INSTALL 3' WIDE CONCRETE CHANNEL PER DETAIL, THIS SHEET	N/A	LF
14	INSTALL 4' WIDE CONCRETE CHANNEL PER DETAIL, THIS SHEET	209	LF
15	INSTALL TYPE 1 STAMPED CONCRETE (CROSSWALKS) PER DETAIL, THIS SHEET	N/A	SF
16	INSTALL TYPE 2 STAMPED CONCRETE PER DETAIL, THIS SHEET	376	SF
17	INSTALL RETURN-TYPE DRIVEWAY PER QUAD CITY STD. DTL. 251Q	885	SF
18	INSTALL SURVEY MONUMENT PER QUAD CITY STD. DTL. 120Q, TYPE 'A'	1	EA
19	INSTALL RIBBON CURB PER DETAIL 220Q-1	175	LF
20	INSTALL SINGLE CURB PER MAG DETAIL 222 TYPE 'B'	N/A	LF
21	INSTALL NEW CONCRETE BOX CULVERT (2.5'X0.5') PER DETAIL ON SHEET 18	N/A	LF
22	INSTALL CURB OPENING PER DETAIL ON SHEET 18	4	EA
23	INSTALL 1" WATER SERVICE, METER, BOX, AND COVER PER COP DETAIL 316P	N/A	EA
24	RELOCATE EXISTING FIRE HYDRANT PER QUAD CITY DTL. 360Q	1	EA
25	INSTALL HANDRAIL PER QCSD 145Q	21.2	LF

NOTE:

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SCALE: 1" = 20'

ALARCON STREET IMPROVEMENT PROJECT

ALARCON STREET ROADWAY
PLAN STA 10+50 - END

CITY OF PRESCOTT PUBLIC WORKS

DWG. NO.
DATE 10/11/16
SHEET NO. 15 OF 26

PREPARED BY DJC | CHECKED BY CA | FOR: COP

NO.	BY	DATE		APPRV	DATE
1	COP	10/10/16	ADDED STATION AND OFFSET TO NEW FIREHYDRANT LOCATION		

ENGINEER | CITY

CIP #: 16-008

REVIEW:

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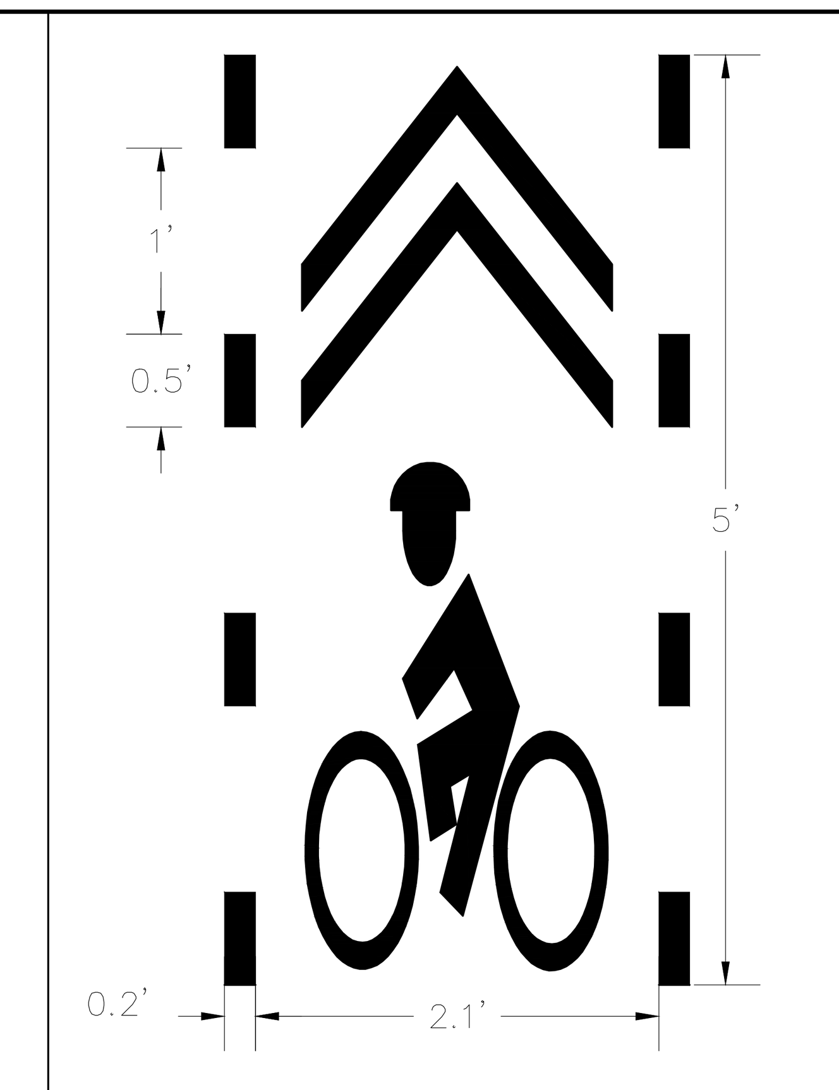
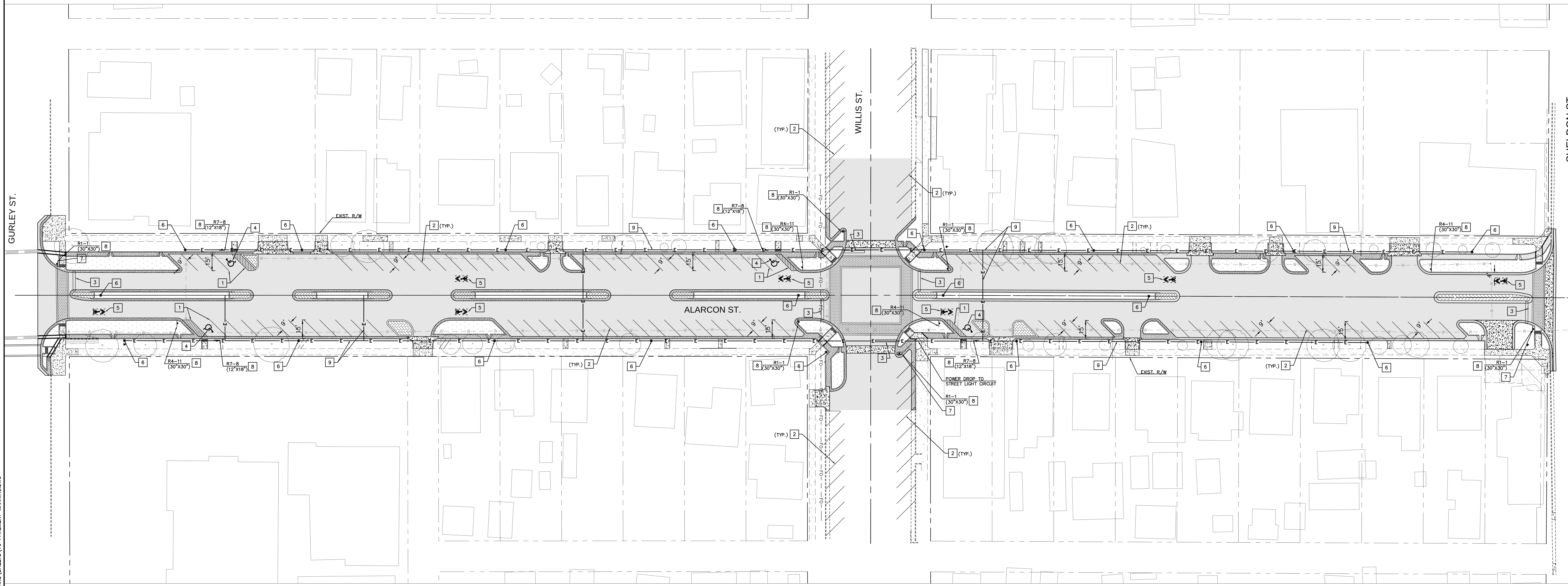


SHARROW SHARED LANE MARKING

QUANTITIES			
#	DESCRIPTION	QUANTITY	
1	4" WIDE YELLOW PARKING STRIPE	240	LF
2	4" WIDE WHITE PARKING STRIPE	2310	LF
3	18" STOP BAR PER QUAD CITY DTL. 632Q	6	EA
4	HC SYMBOL	4	EA
5	SHARROW PER DETAIL THIS SHEET	7	EA
6	GLOBE LIGHT PER COP DETAIL	20	EA
7	D3 STREET NAME SIGN PER COP DTL. 132P	3	EA
8	TRAFFIC SIGN	14	EA
9	2" SCH. 40 EPVC CONDUIT	2,277	LF



CITY OF PRESCOTT PUBLIC WORKS

PAVEMENT MARKINGS AND STREET LIGHTING

ALARCON STREET IMPROVEMENT PROJECT

DWG. NO.
DATE 10/11/16
SHEET NO. 16 OF 26

CITY OF PRESCOTT Everybody's Hometown

PREPARED BY DJC | CHECKED BY CA | FOR: COP

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NO.	BY	DATE	APPRV	DATE

ENGINEER
CITY

CIP #: 16-008

REVIEW:

FILE NAME&PATH: N:\ENGINEERING\DESIGN\MISC PAVING\ALARCON ST\PLANS\SHEETS\16 PAVEMENT MARKING.DWG

LEGEND

- DISTURBED AREA
- (W) STRAW WATTLE WITH GRAVEL BAG INLET PROTECTION (TYPICAL)
- CATCH SEDIMENT "TRIANGULAR SILT DIKES"
- CONCRETE WASHOUT AREA
- WATTLES/SAND BAGS

GURLEY ST.

ALARCON ST.

WILLIS ST.

SHELDON ST.

STORM DRAIN INLET

SAND BAG CHECK DAMS

WATTLES AFTER CURB & GUTTER REMOVAL
SAND BAGS BEFORE CURB & GUTTER REMOVAL
AND AFTER PLACEMENT OF NEW CURB & GUTTER

WATTLES AFTER CURB & GUTTER REMOVAL
SAND BAGS BEFORE CURB & GUTTER REMOVAL
AND AFTER PLACEMENT OF NEW CURB & GUTTER

1+50.00 2+00.00 2+50.00 3+00.00 3+50.00 4+00.00 4+50.00 5+00.00 5+50.00 6+00.00 7+00.00 7+50.00 8+00.00 8+50.00 9+00.00 9+50.00 10+00.00 10+50.00 11+00.00 11+50.00 12+00.00 12+50.00 13+00.00 13+50.00

1+00.00 1+50.00 2+00.00 2+50.00 3+00.00 3+50.00 4+00.00 4+50.00

5+00

40 0 40 80
SCALE: 1" = 40'

DWG. NO.
DATE 10/11/16
SHEET NO. 17 OF 26

CITY OF PRESCOTT PUBLIC WORKS

STORM WATER POLLUTION PREVENTION PLAN

CITY OF PRESCOTT
Everybody's Hometown

PREPARED BY DJC | CHECKED BY CA | FOR: COP

Registered Professional Engineer (Civil)
CERTIFICATE NO. 39473
DAVID J. CRAWFORD
ANDREWS, SR.
Date Signed 9/30/16
ARIZONA U.S.A.
Expires 9/30/16

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ARIZONA811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
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APPRV DATE
CITY

NO. BY DATE ENGINEER

CIP #: 16-008

REVIEW:

ALARCON STREET IMPROVEMENT PROJECT

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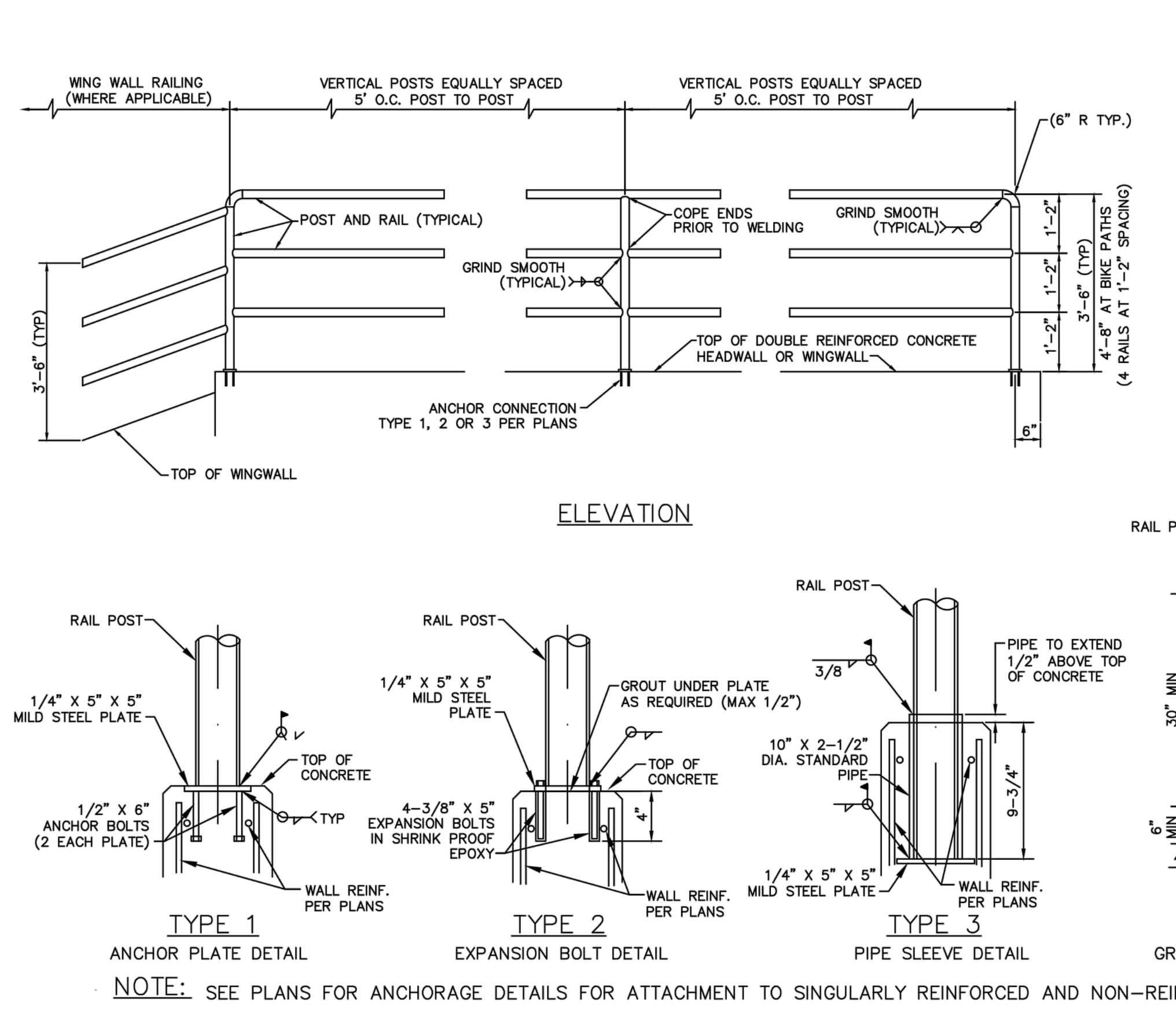
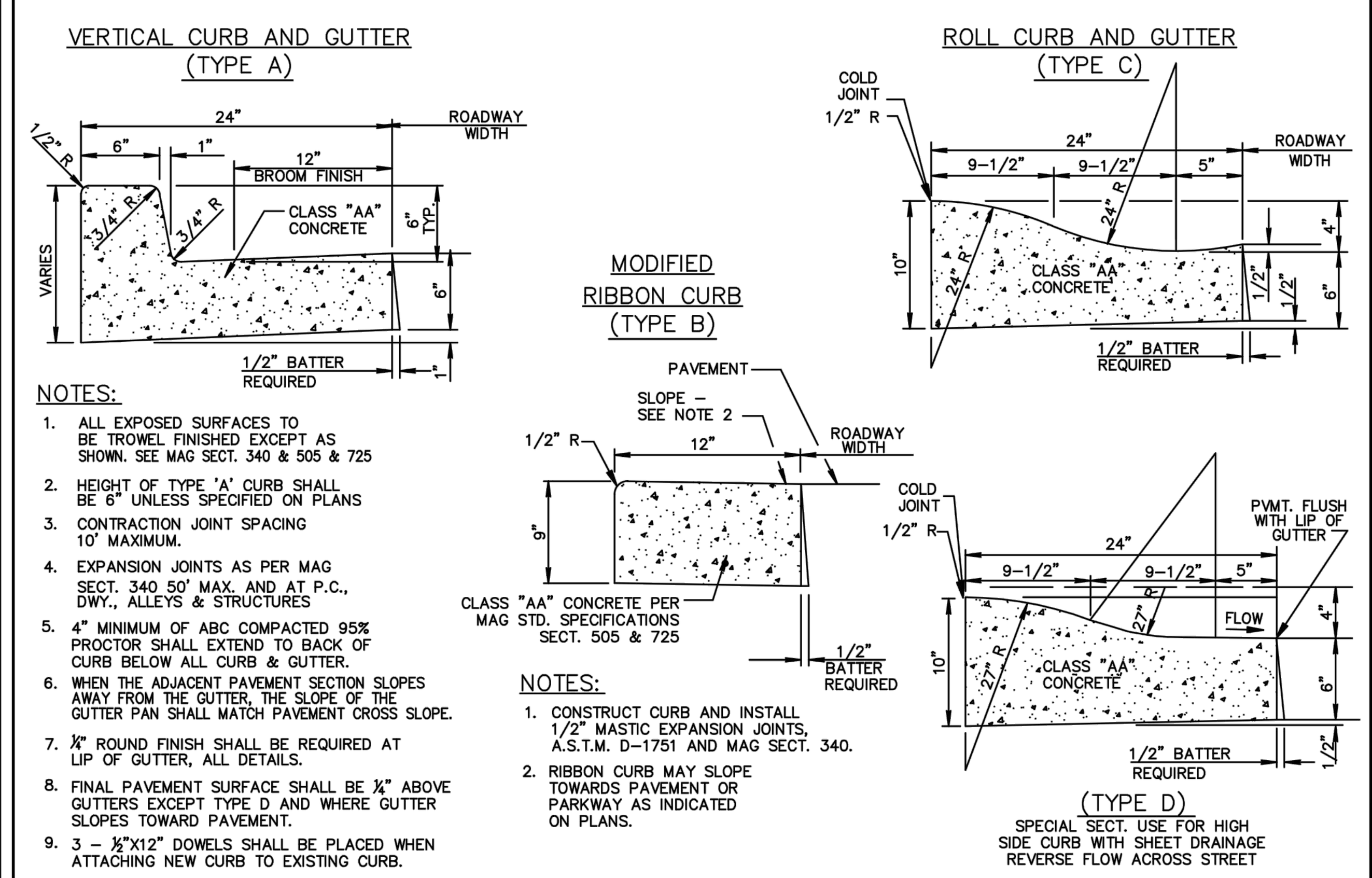


NOTES:

1. POSTS AND RAILS SHALL BE 2.0" SCHEDULE 40 STEEL PIPE ASTM A 53, GRADE B
2. PAINT RAIL PER MAG SPECIFICATIONS MAG SECTION 530 WHEN REQUIRED BY PLANS. SHOP PRIME WITH RUST INHIBITING PRIMER (FIELD REPAIR PRIMER AS NEEDED). COLOR TO BE PER AGENCY SPECIFICATIONS.
3. VERTICAL POSTS TO BE EVENLY SPACED PER DETAIL.
4. REMOVE ALL SHARP EDGES.
5. THE EMBEDMENT FOR ANCHOR TYPES 1, 2 AND 3 SHALL BE LOCATED INSIDE THE WALL REINFORCEMENT CAGE.
6 HANDRAIL IS REQUIRED WHEREVER THERE IS A SLOPE STEEPER THAN 2:1 WITHIN 3' OF A SIDEWALK.

NOTE: SEE PLANS FOR ANCHORAGE DETAILS FOR ATTACHMENT TO SINGULARLY REINFORCED AND NON-REINFORCED WALLS.

QUAD CITY STANDARD DETAIL	SAFETY RAIL	REVISED: 07/16	DETAIL No. 145Q



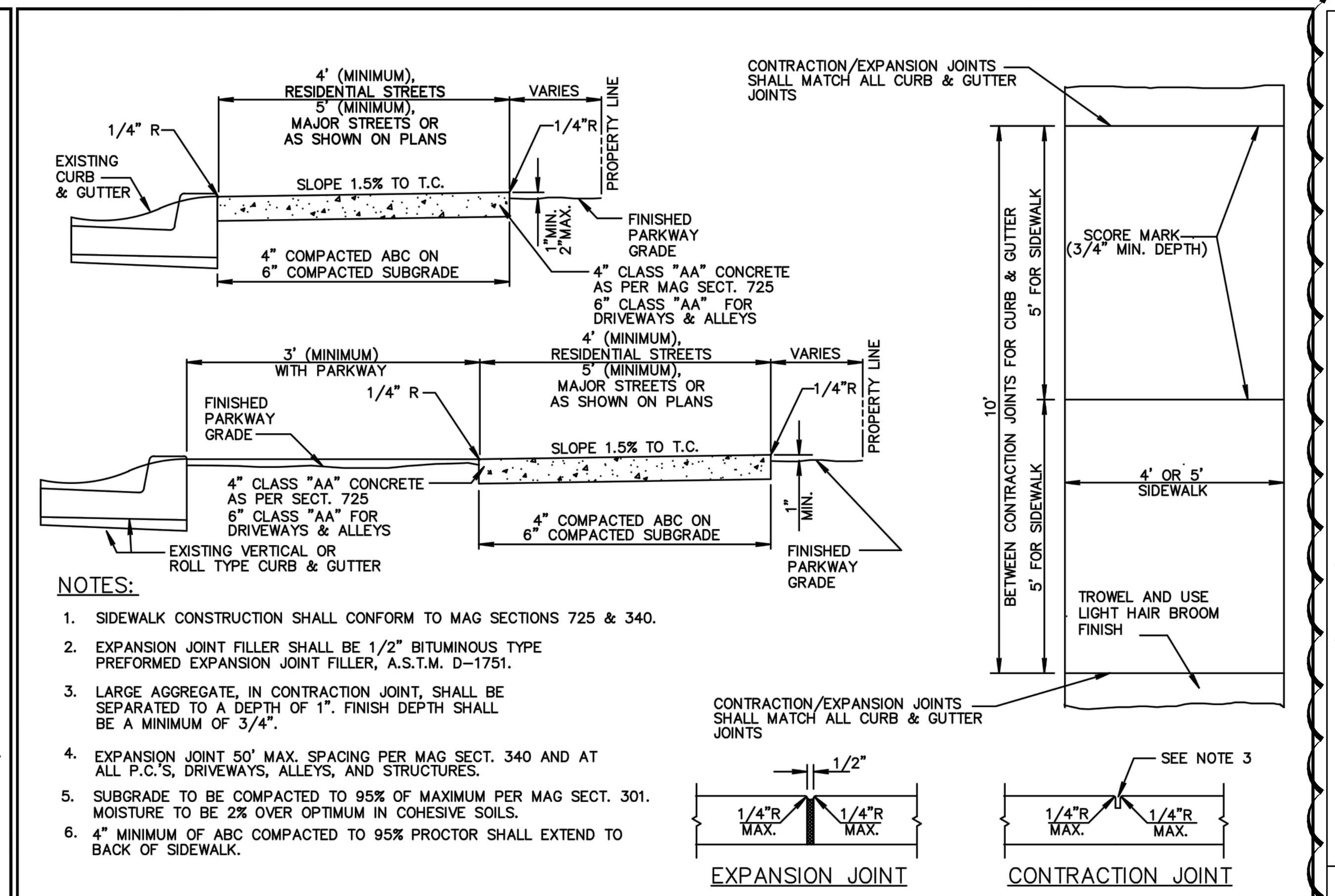
NOTES:

1. ALL EXPOSED SURFACES TO BE TROWEL FINISHED EXCEPT AS SHOWN. SEE MAG SECT. 340 & 505 & 725
2. HEIGHT OF TYPE 'A' CURB SHALL BE 6" UNLESS SPECIFIED ON PLANS
3. CONTRACTION JOINT SPACING 10' MAXIMUM.
4. EXPANSION JOINTS AS PER MAG SECT. 340 50' MAX. AND AT P.C., DWY., ALLEYS & STRUCTURES
5. 4" MINIMUM OF ABC COMPACTED 95% PROCTOR SHALL EXTEND TO BACK OF CURB BELOW ALL CURB & GUTTER.
6. WHEN THE ADJACENT PAVEMENT SECTION SLOPES AWAY FROM THE GUTTER, THE SLOPE OF THE GUTTER PAN SHALL MATCH PAVEMENT CROSS SLOPE.
7. ¼" ROUND FINISH SHALL BE REQUIRED AT LIP OF GUTTER, ALL DETAILS.
8. FINAL PAVEMENT SURFACE SHALL BE ¼" ABOVE GUTTERS EXCEPT TYPE D AND WHERE GUTTER SLOPES TOWARD PAVEMENT.
9. 3 – ½"X12" DOWELS SHALL BE PLACED WHEN ATTACHING NEW CURB TO EXISTING CURB.

NOTES:

1. CONSTRUCT CURB AND INSTALL 1/2" MASTIC EXPANSION JOINTS, A.S.T.M. D-1751 AND MAG SECT. 340.
2. RIBBON CURB MAY SLOPE TOWARDS PAVEMENT OR PARKWAY AS INDICATED ON PLANS.

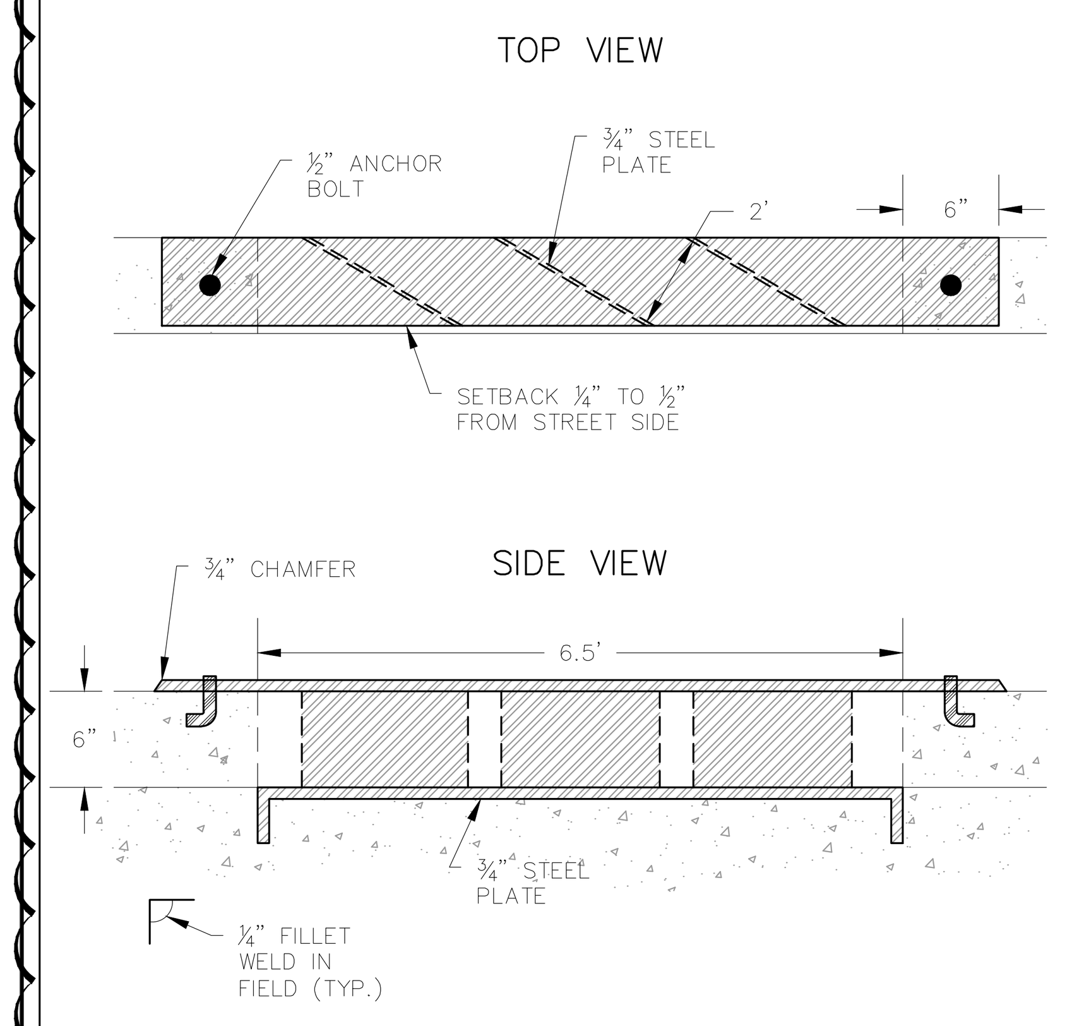
QUAD CITY STANDARD DETAIL	MODIFIED CURB AND GUTTER TYPES A, B, C AND D	REVISED: 07/16	DETAIL No. 220Q-1



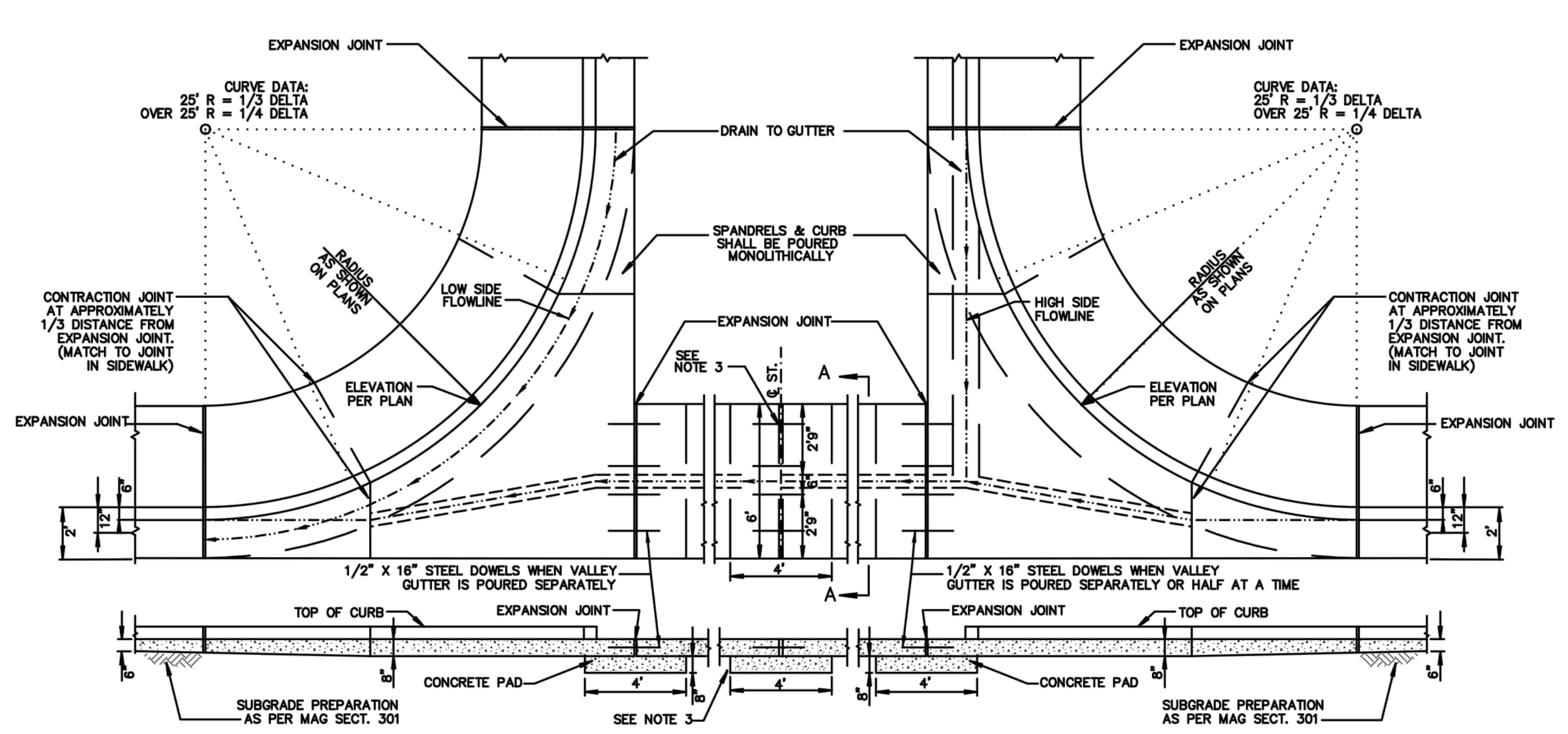
NOTES:

1. SIDEWALK CONSTRUCTION SHALL CONFORM TO MAG SECTIONS 725 & 340.
2. EXPANSION JOINT FILLER SHALL BE 1/2" BITUMINOUS TYPE PREFORMED EXPANSION JOINT FILLER, A.S.T.M. D–1751.
3. LARGE AGGREGATE, IN CONTRACTION JOINT, SHALL BE SEPARATED TO A DEPTH OF 1". FINISH DEPTH SHALL BE A MINIMUM OF 3/4".
4. EXPANSION JOINT 50' MAX. SPACING PER MAG SECT. 340 AND AT ALL P.C.'S, DRIVEWAYS, ALLEYS, AND STRUCTURES.
5. SUBGRADE TO BE COMPACTED TO 95% OF MAXIMUM PER MAG SECT. 301. MOISTURE TO BE 2% OVER OPTIMUM IN COHESIVE SOILS.
6. 4" MINIMUM OF ABC COMPACTED TO 95% PROCTOR SHALL EXTEND TO BACK OF SIDEWALK.

QUAD CITY STANDARD DETAIL	SIDEWALKS	REVISED: 07/16	DETAIL No. 230Q



STEEL PLATE DETAIL



NOTES:

1. CONCRETE SHALL BE CLASS "AA" WITH 5%–7% ENTRAINED AIR PORTLAND CEMENT CONCRETE 600 LBS. WITH 3/4" AGGREGATE MAX., 4000 P.S.I. AT 28 DAYS & SHALL HAVE A SLUMP OF NOT MORE THAN 4 INCHES, PER MAG SECT. 340 & 725.
2. EITHER CONSTRUCTION JOINT OR CONTRACTION JOINT IS REQUIRED AT CENTERLINE OF STREET.
3. A SEPARATE CONCRETE PAD IS REQUIRED WHEN VALLEY GUTTER IS POURED SEPARATELY OR HALF AT A TIME.
4. EXPANSION JOINTS SHALL CONFORM TO MAG SECT. 340.
5. NO CONCRETE SHALL BE PLACED PRIOR TO FORM INSPECTION BY THE AGENCY ENGINEER OR DESIGNEE.
6. A MINIMUM OF 8" ABC (OR PER GEOTECH ANALYSIS) COMPACTED TO 95% PROCTOR SHALL EXTEND BELOW GUTTER & SPANDRELS.

QUAD CITY STANDARD DETAIL	6' VALLEY GUTTER & SPANDRELS	REVISED: 07/16	DETAIL No. 240Q-1

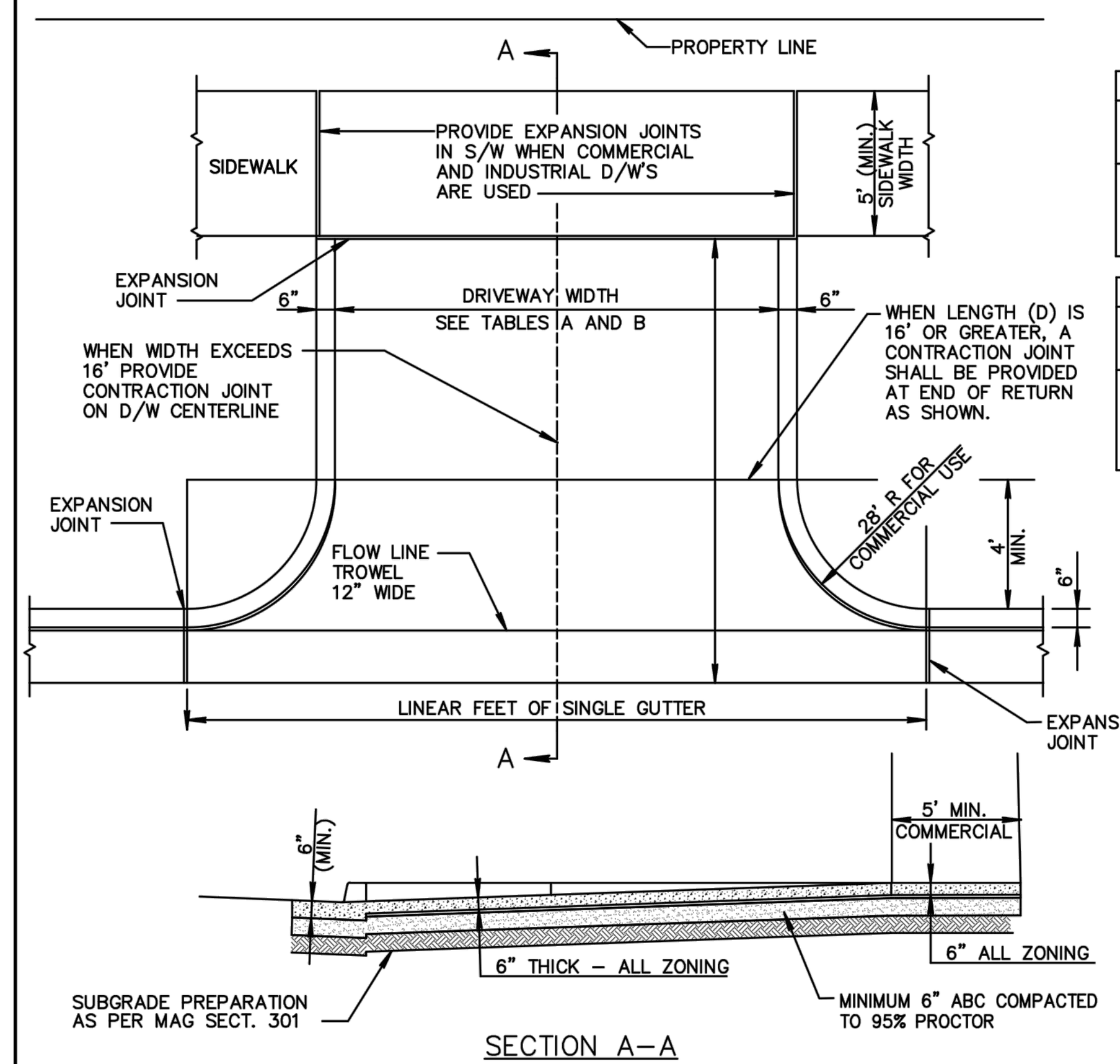


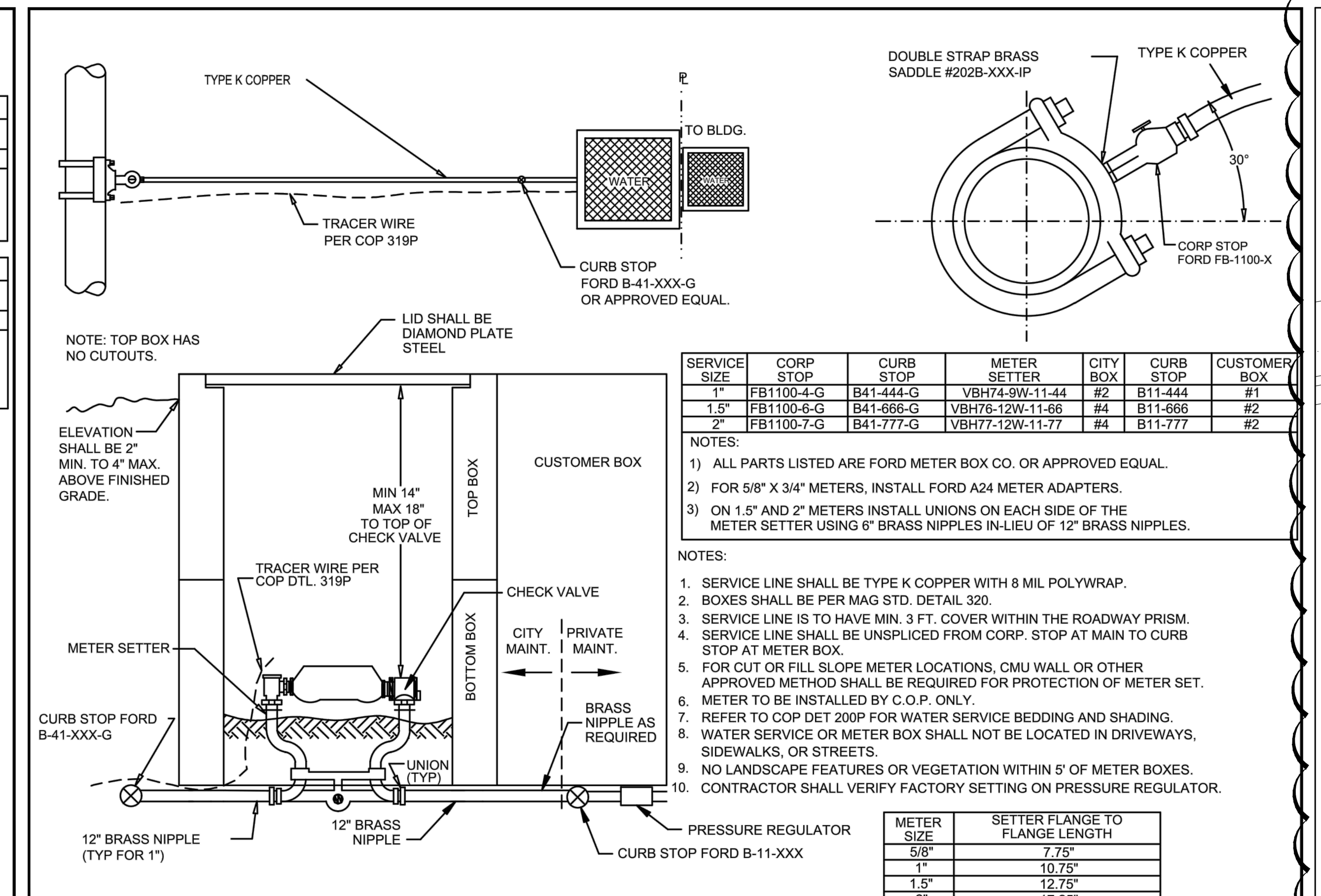
TABLE A		
ZONING	DRIVEWAY WIDTH	
COMMERCIAL AND INDUSTRIAL	MIN.*	MAX.
COMMERCIAL	16'	40'
INDUSTRIAL	16'	40'
* 24' WHERE 2–WAY TRAFFIC IS ANTICIPATED		

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

NOTES:

1. EXPANSION JOINTS SHALL COMPLY TO MAG SECTION 340.
2. THIS TYPE D/W TO BE USED ONLY UPON APPROVAL OF ENGINEER.
3. CLASS "AA" CONCRETE CONSTRUCTION AS PER MAG SECTION 725.
4. SUBGRADE TO BE COMPACTED TO 95% OF MAX PER MAG SECTION 301

QUAD CITY STANDARD DETAIL	RETURN TYPE DRIVEWAY	REVISED: 07/16	DETAIL No. 251Q



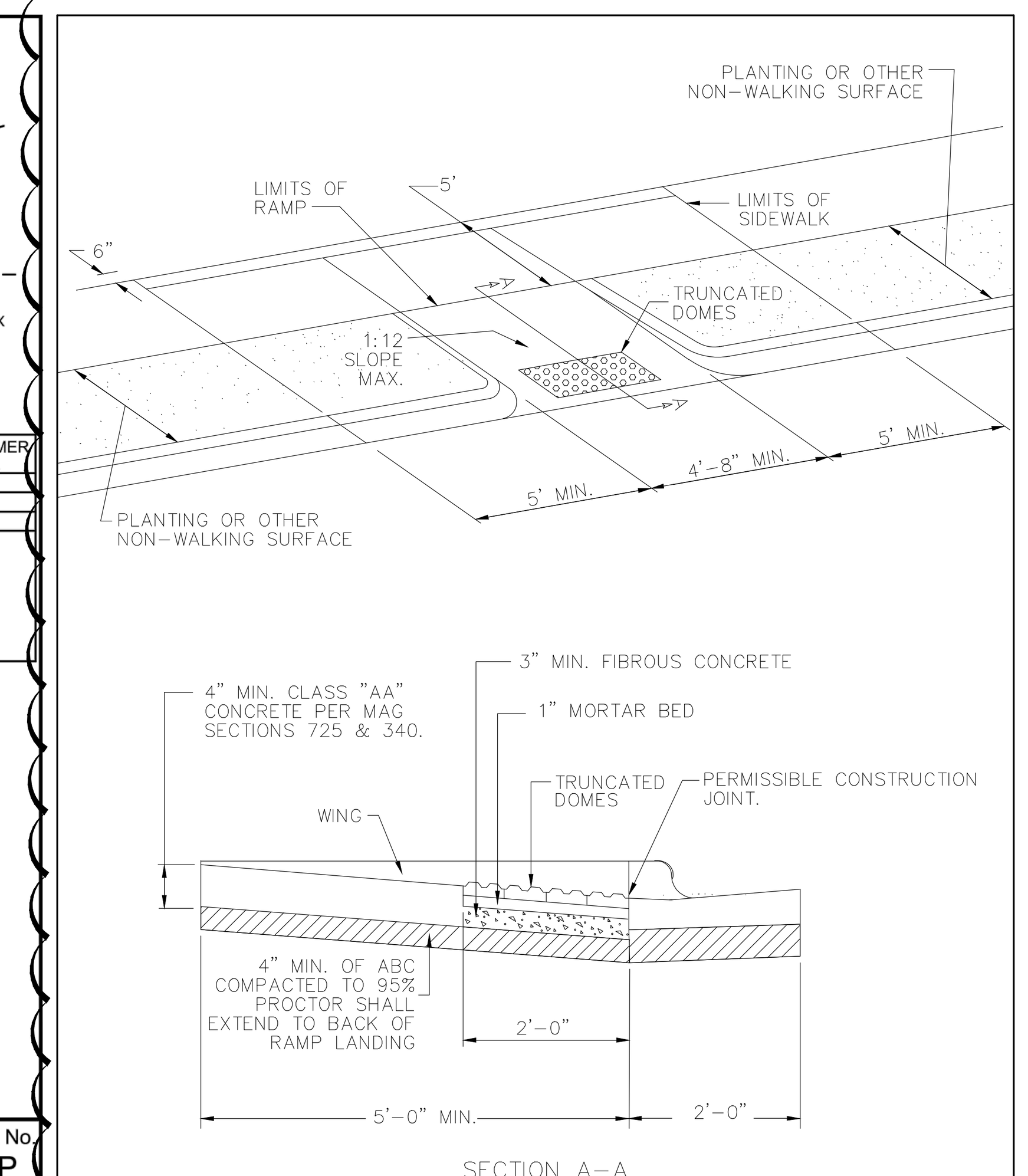
SERVICE SIZE	CORP STOP	CURB STOP	METER SETTER	CITY BOX	CURB STOP	CUSTOMER BOX
1"	FB1100-4-G	B41-444-G	VBH74-9W-11-44	#2	B11-444	#1
1.5"	FB1100-6-G	B41-666-G	VBH76-12W-11-66	#4	B11-666	#2
2"	FB1100-7-G	B41-777-G	VBH77-12W-11-77	#4	B11-777	#2

NOTES:
1) ALL PARTS LISTED ARE FORD METER BOX CO. OR APPROVED EQUAL.
2) FOR 5/8" X 3/4" METERS, INSTALL FORD A24 METER ADAPTERS.
3) ON 1.5" AND 2" METERS INSTALL UNIONS ON EACH SIDE OF THE METER SETTER USING 6" BRASS NIPPLES IN-LIEU OF 12" BRASS NIPPLES.

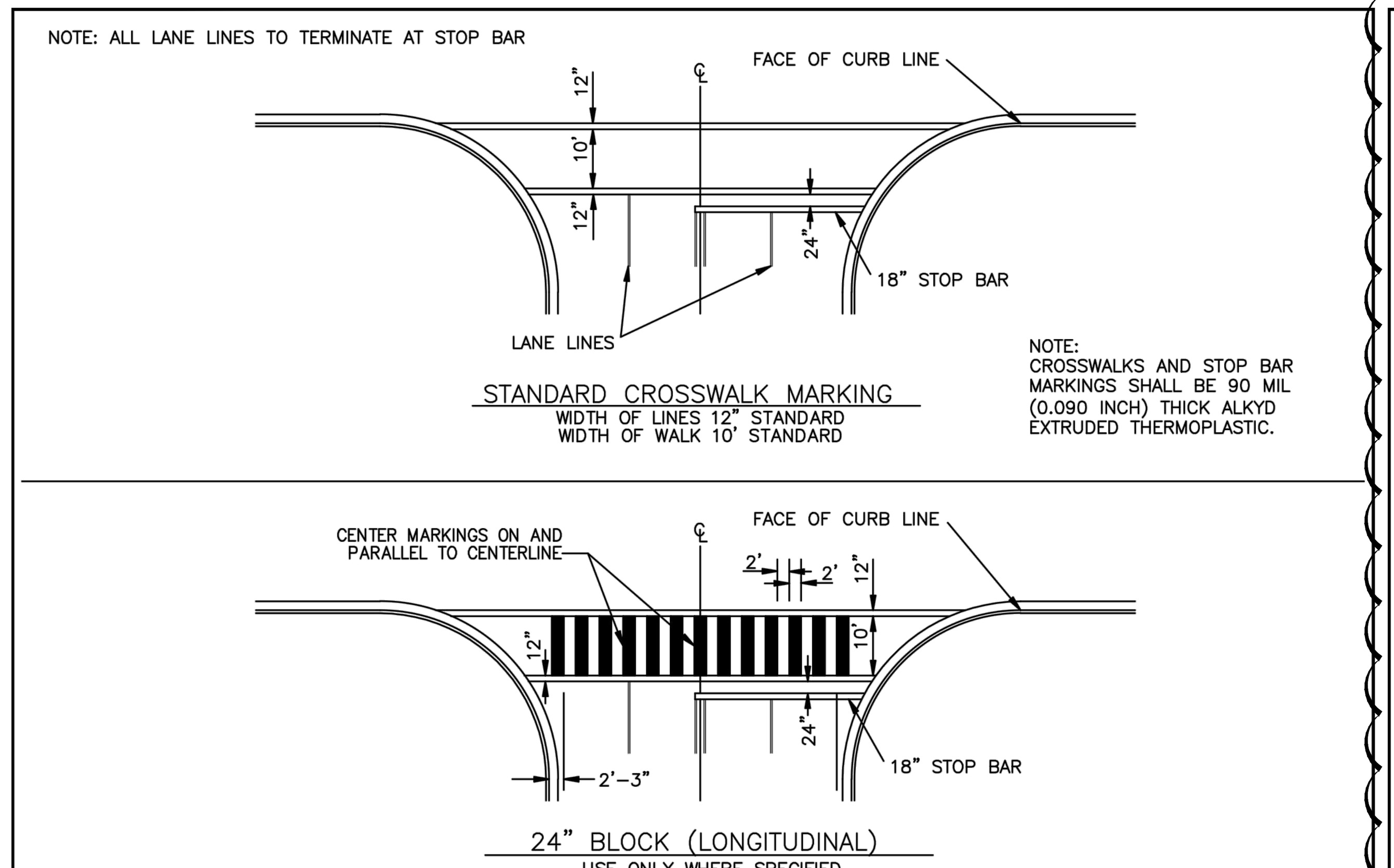
NOTES:
1. SERVICE LINE SHALL BE TYPE K COPPER WITH 8 MIL POLYWRAP.
2. BOXES SHALL BE PER MAG STD. DETAIL 320.
3. SERVICE LINE IS TO HAVE MIN. 3 FT. COVER WITHIN THE ROADWAY PRISM.
4. SERVICE LINE SHALL BE UNSPLICED FROM CORP. STOP AT MAIN TO CURB STOP AT METER BOX.
5. FOR CUT OR FILL SLOPE METER LOCATIONS, CMU WALL OR OTHER APPROVED METHOD SHALL BE REQUIRED FOR PROTECTION OF METER SET.
6. METER TO BE INSTALLED BY C.O.P. ONLY.
7. REFER TO COP DET 200P FOR WATER SERVICE BEDDING AND SHADING.
8. WATER SERVICE OR METER BOX SHALL NOT BE LOCATED IN DRIVEWAYS, SIDEWALKS, OR STREETS.
9. NO LANDSCAPE FEATURES OR VEGETATION WITHIN 5' OF METER BOXES.
10. CONTRACTOR SHALL VERIFY FACTORY SETTING ON PRESSURE REGULATOR.

METER SIZE	SETTER FLANGE TO FLANGE LENGTH
5/8"	7.75"
1"	10.75"
1.5"	12.75"
2"	17.25"

COP STANDARD DETAIL	1" - 2" WATER SERVICE CONNECTIONS	Charles Andrews CITY ENGINEER	REVISED: 07/16	DETAIL No. 316P

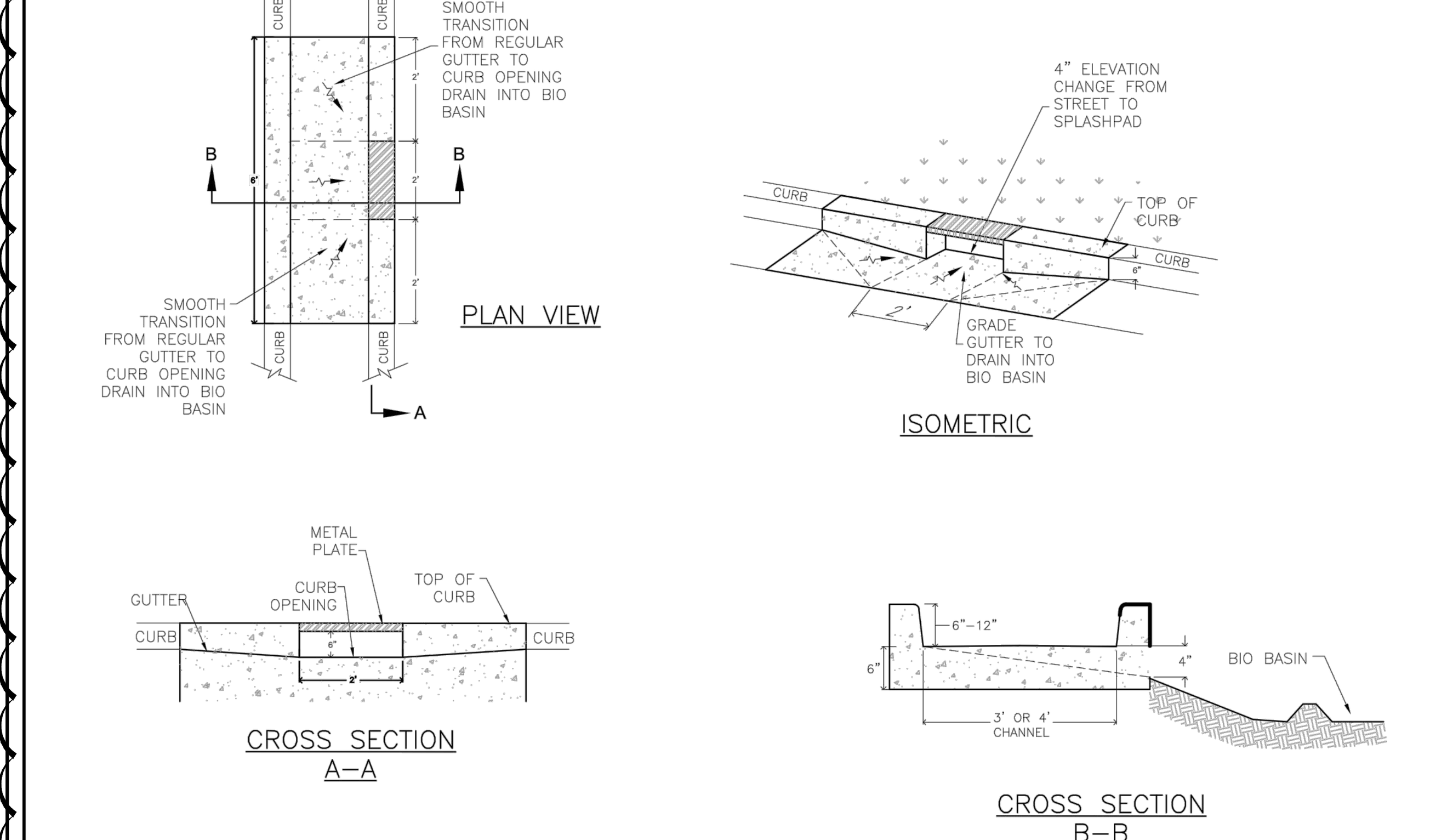


RETURN TYPE SIDEWALK RAMP

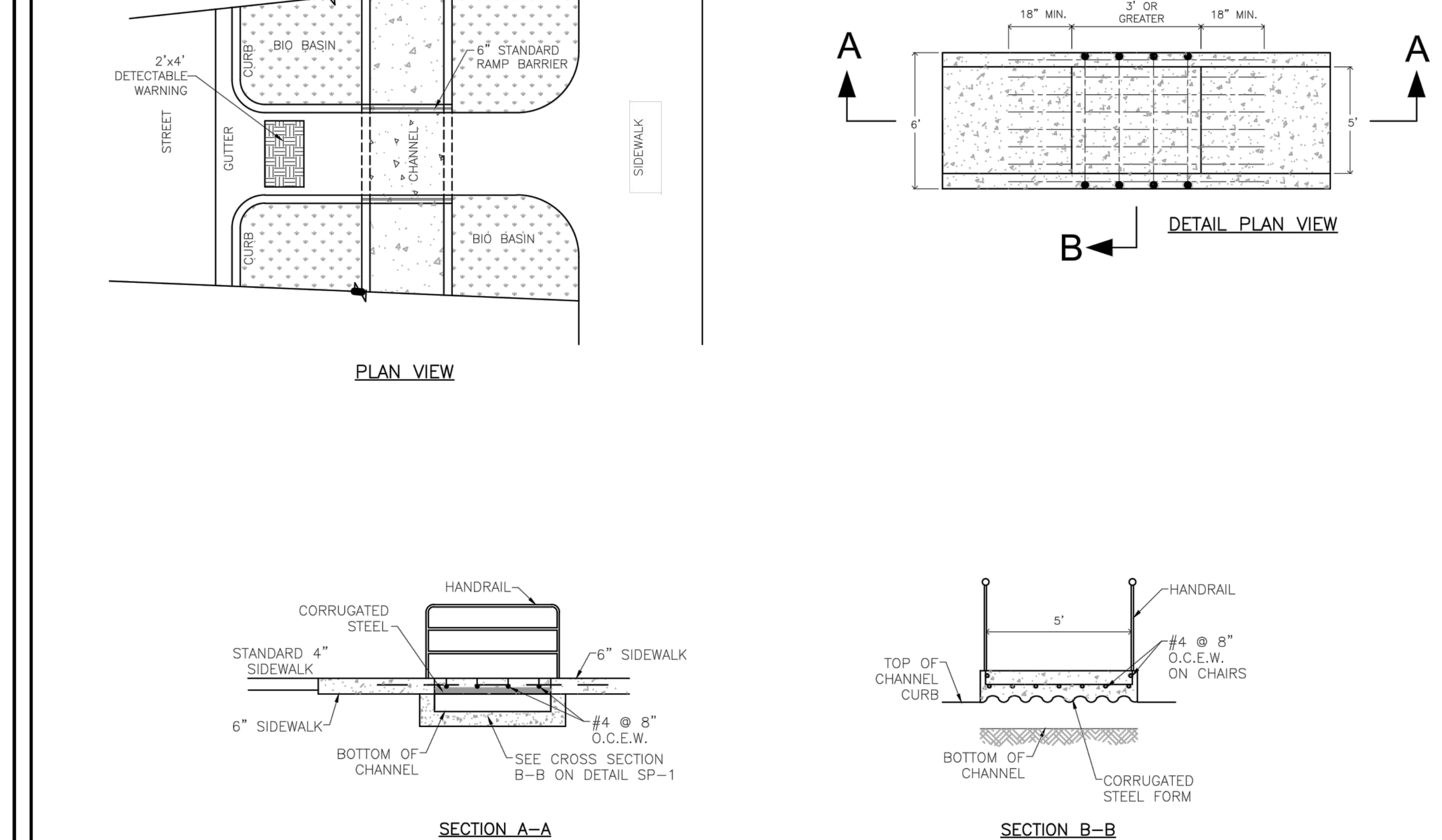


NOTE:
CROSSWALKS AND STOP BAR MARKINGS SHALL BE 90 MIL (0.090 INCH) THICK ALKYD EXTRUDED THERMOPLASTIC.

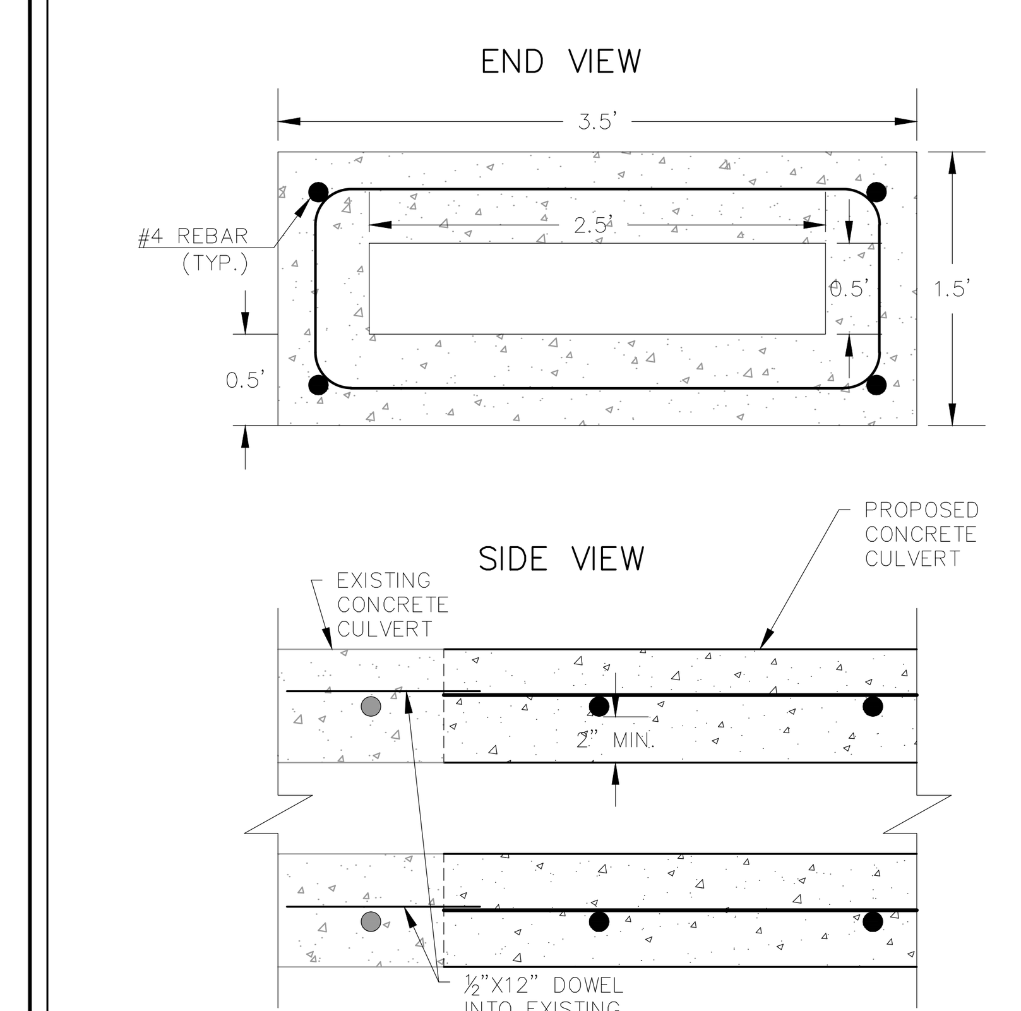
QUAD CITY STANDARD DETAIL	STANDARD CROSSWALK MARKINGS	REVISED: 07/16	DETAIL No. 631Q



ALARCON STREET DETAIL	BIO BASIN TYPICAL INLET	REVISED: 10/16	DETAIL No. SP-1



ALARCON STREET DETAIL	ELEVATED SIDEWALK CROSSING	REVISED: 10/16	DETAIL No. SP-2



BOX CULVERT CONNECTION DETAIL

ALARCON STREET IMPROVEMENT PROJECT

DETAILS

CITY OF PRESCOTT PUBLIC WORKS

CITY of PRESCOTT Everybody's Hometown

DWG. NO.	DATE 10/11/16	SHEET NO. 18 OF 26

PREPARED BY	CHECKED BY	FOR:
DJC	CA	COP

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NO.	BY	DATE		APPRV	DATE
1	COP	10/10/16	ADDED DETAILS		

ENGINEER
CITY
REVIEW:
CIP #: 16-008

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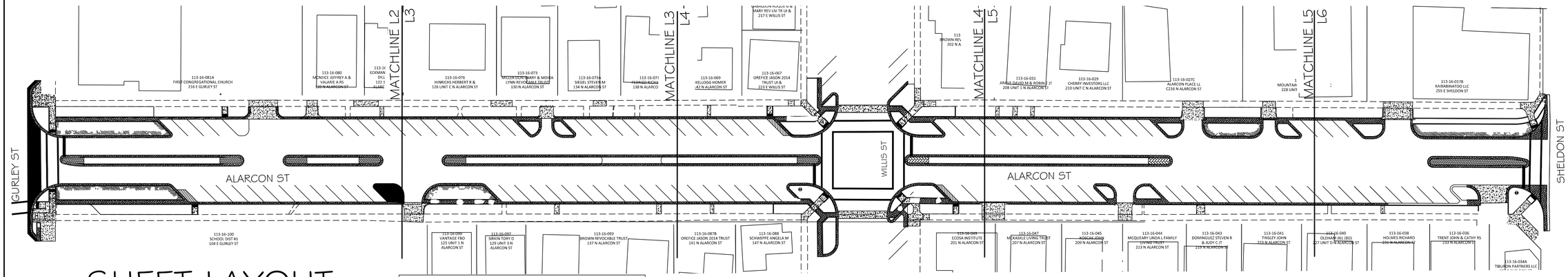


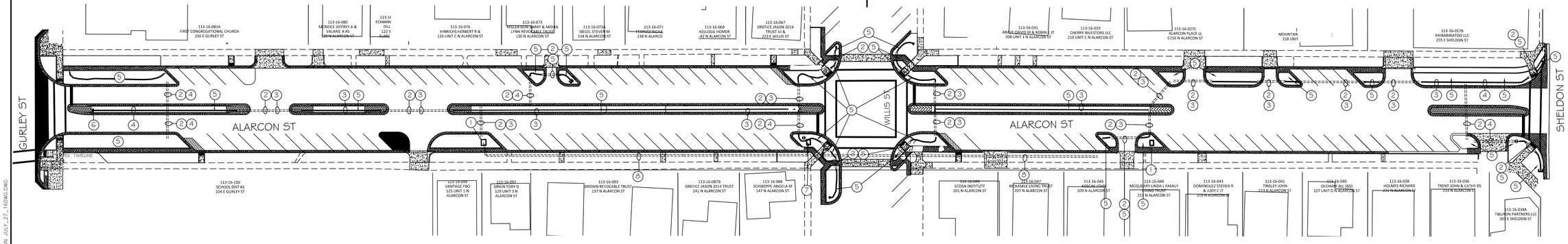
SHEET LAYOUT

1"=40'-0"

SHEET SCHEDULE	
SHEET	CONTENT
L1	LAYOUT & IRRIGATION
L2 through L6	LANDSCAPE DESIGN
L7	DETAILS
L8	NOTES

ZONE #1 TREES
ZONE #2 SHRUBS

ZONE #3 TREES
ZONE #4 SHRUBS



IRRIGATION

1"=40'-0"

IRRIGATION KEY NOTES

1. Irrigation tap into source with 1" tap (by general contractor) Meter, Valve Manifold & Backflow Preventor
2. 2" SCH 40 PVC sleeve
3. $1\frac{1}{4}$" SCH 40 PVC source pipe
4. 1" SCH 40 PVC source pipe
5. $\frac{3}{4}$" poly irrigation tubing
6. 1" SCH 40 PVC end cap
7. Irrigation Controller w/ solar array
8. 1-1/2" SCH 40 PVC sleeve conduit w/ 3 qty 14g valve wires.

LAYOUT & IRRIGATION PLAN

1"=40'-0"

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DWG. NO. PW01
DATE 07/27/16
SHEET NO. L1

PROJECT NAME

CITY OF PRESCOTT
Everybody's Hometown

PREPARED BY KMP
CHECKED BY SHM
FOR: COP ALARCON ST. GURLEY TO SHELDON

STEVEN M. MORGAN — ARIZONA LANDSCAPE ARCHITECT — EXPIRES 9-30-2017

Call at least two full working days before you dig, it's the law!
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Arizona Blue Stake, Inc.
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NO.	BY	DATE	APPRV	DATE
			CITY	

CIP #: -----

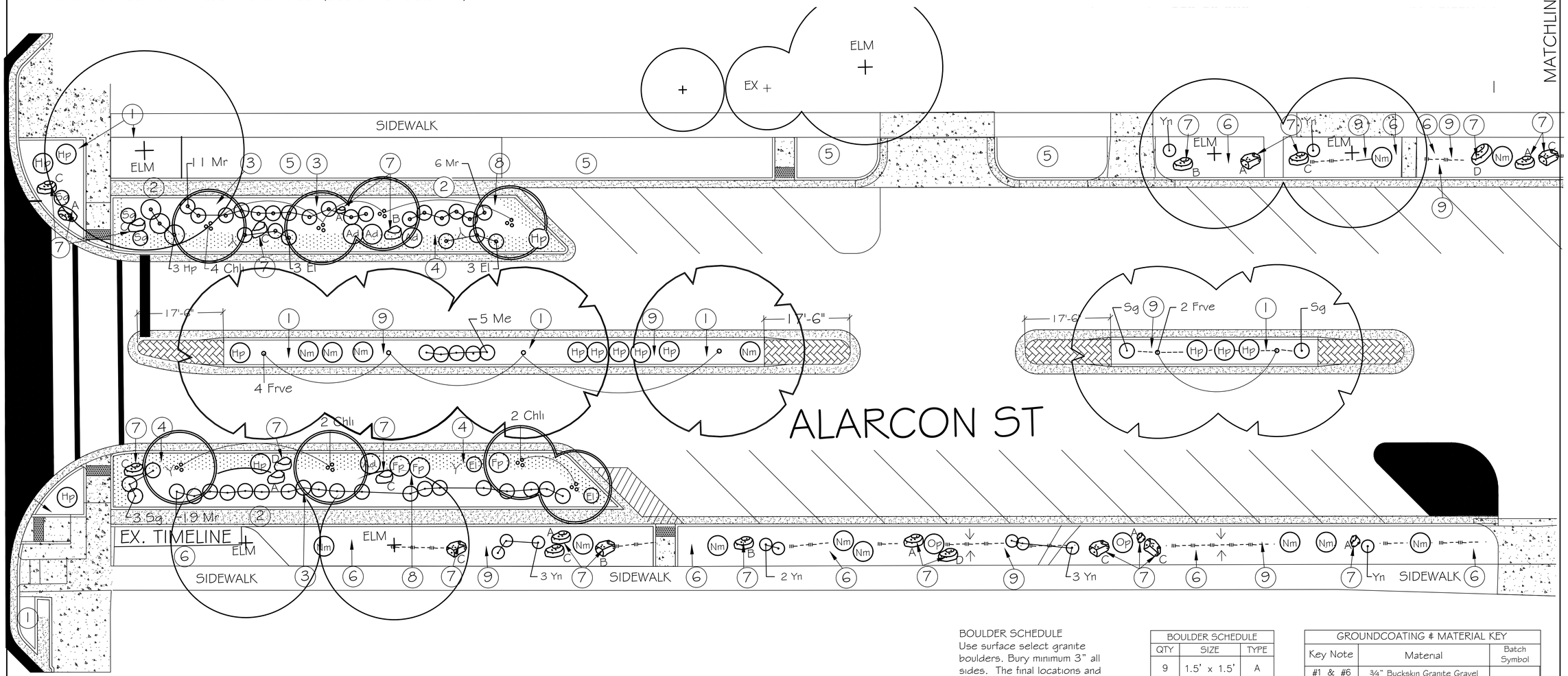
REVIEW:

FILE NAME&PATH: C:\USERS\KAYZEV\DESKTOP\LANDSCAPE FOR LIFE\CITY OF PRESCOTT\ALARCON\COP ALARCON JULY_27_16DWG.DWG

KEY NOTES

1. 1" Buckskin granite gravel; 3" layer on woven weed barrier, wet and compacted.
2. Drainage channel
3. 3"- 6" Salt River Rock on woven weed barrier for bio-basins
4. 3" layer of COP chippings - Raked, wet and compacted; Use 1" thick layer around new plantings (dripline)
5. ROW treatment to remain as is
6. ROW treatment is to scrape surface of weed and remove 3" top to allow space for new 3" layer of 1" Buckskin Granite gravel, Raked, wet and compacted
7. Granite boulders (1'- 6" to 3'-6" in size) Bury minimum 3" in ground all edges.
8. Bio Basin (See detail #1 and engineering drawings).
9. Valley grade the centerline of all median and ROW new landscaped areas for water harvesting into new succulent plantings
10. Remove ex. evergreen tree
11. Depress center area of planters by 3" for water harvesting
12. Retain ex. vinca/ivy at base of elm trees as it is established
13. Remove tree ring; leave gravel as is
14. Ex. Backflow Preventer assembly box
15. Install Root Barrier with each median tree. (See Sht L7 Detail #3)

PLANT SCHEDULE					
SCIENTIFIC NAME	CODE	COMMON NAME	BLOOM	SIZE	COUNT
TREES					
Chilopsis linearis	Chli	Desert Willow	spring-summer	15 gal	4
Chitalpa tashkentensis	Chta	Chitalpa	spring	15 gal	
Fraxinus velutina	Frve	Arizona Ash	spring	15 gal	6
Fraxinus oxycarpa "Raywood"	Frox	Raywood Ash	not ususally present	15 gal	
SMALL SHRUBS (3' and under)					
Arcostaphylos densiflora 'Howard McMinn'	Ad	McMinn Manzanita	spring	5 gal	4
Ericameria laricifolia	El	Turpentine Bush	fall	1 gal	8
Salvia greggii	Sg	Autumn Sage	spring-fall	1 gal	8
Salvia farinacea Texas Violet	Sf	Texas Violet	summer-fall	1 gal	
SHRUBS (over 3' in height)					
Fallugia paradoxa	Fp	Apache Plume	spring	5 gal	3
Prunus pumila v. besseyi	PpB	Sand Cherry	spring	5 gal	
SUCCULENTS					
Dasylirion wheeleri	Dw	Sotol		5 gal	
Hesperaloe parviflora	Hp	Red Yucca	Red	5 gal	17
Nolina microcarpa	Nm	Beargrass	cream	5 gal	14
Nolina texanum	Nt	Texas Beargrass	cream	5 gal	
Opuntia phaecantha	Op	Prickly Pear		5 gal	2
Yucca neomexicana	Yn	New Mexico Yucca	summer	5 gal	11
GRASSES					
Muhlenbergia emersleyi	Me	El Toro Bull Muhly	fall	1 gal	5
Muhlenbergia rigens	Mr	Deergrass	fall	1 gal	36



BOULDER SCHEDULE
Use surface select granite boulders. Bury minimum 3" all sides. The final locations and orientations are to be coordinated in the field. Boulder type may exceed suggested size by 20%.

BOULDER SCHEDULE		
QTY	SIZE	TYPE
9	1.5' x 1.5'	A
4	2.0' x 1.5'	B
11	2.5' x 2.0'	C
3	3.5' x 2.5'	D

GROUNDCOATING & MATERIAL KEY		
Key Note	Material	Batch Symbol
#1 & #6	¾" Buckskin Granite Gravel	
#3	3"- 6" Salt River Rock	
#4	COP organic chippings	
#7	Surface Select granite boulder (See Boulder Schedule for sizing)	

LANDSCAPE PLAN L2

1"= 10'-0"

N

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DWG. NO. PW01
DATE 07/27/16
L2
PROJECT NAME

CITY OF PRESCOTT
Everybody's Hometown
PREPARED BY KMP
CHECKED BY SHM
FOR: COP ALARCON ST. GURLEY TO SHELDON

REGISTERED LANDSCAPE ARCHITECT 46469 STEVEN H. MORGAN
EXPIRES 9-30-2017

Call at least two full working days before you plan to excavate
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Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

REVIEW:

NO.	BY	DATE	ENGINEER
			APPRV
			DATE
			CITY

CIP #:

KEY NOTES

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16. Meter Box
17. Backflow Preventor
18. Valve Manifold Box

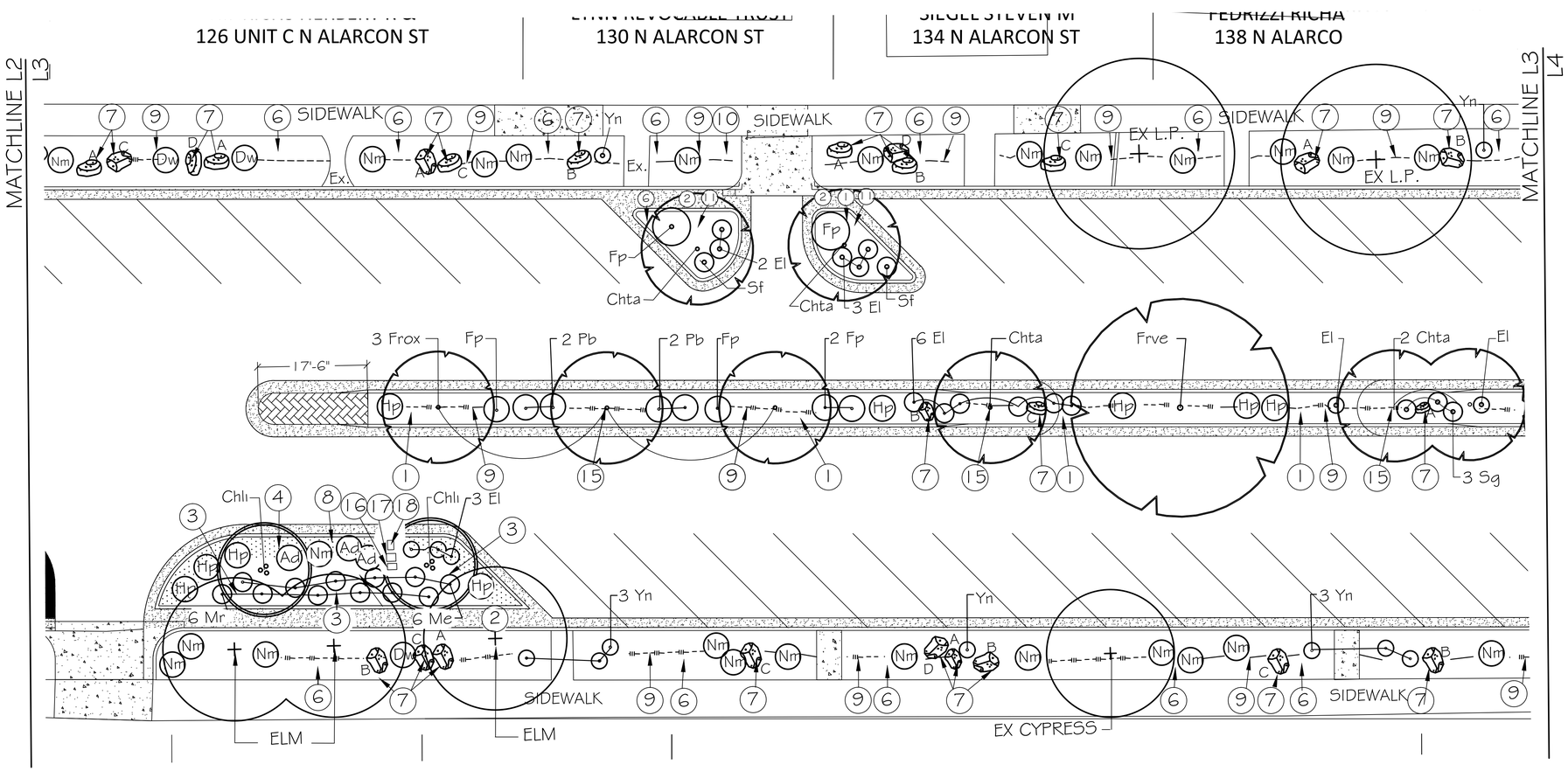
PLANT SCHEDULE					
SCIENTIFIC NAME	CODE	COMMON NAME	BLOOM	SIZE	COUNT
TREES					
Chilopsis linearis	Chli	Desert Willow	spring-summer	15 gal	2
Chitalpa tashkentensis	Chta	Chitalpa	spring	15 gal	5
Fraxinus velutina	Frve	Arizona Ash	spring	15 gal	1
Fraxinus oxycarpa "Raywood"	Frox	Raywood Ash	not ususally present	15 gal	3
SMALL SHRUBS (3' and under)					
Arcostaphylos densiflora 'Howard McMinn'	Ad	McMinn Manzanita	spring	5 gal	3
Ericameria laricifolia	El	Turpentine Bush	fall	1 gal	16
Salvia greggii	Sg	Autumn Sage	spring-fall	1 gal	3
Salvia farinacea Texas Viole	Sf	Texas Violet	summer-fall	1 gal	2
SHRUBS (over 3' in height)					
Fallugia paradoxa	Fp	Apache Plume	spring	5 gal	
Prunus pumila v. besseyi	PpB	Sand Cherry	spring	5 gal	
SUCCULENTS					
Dasylirion wheeleri	Dw	Sotol		5 gal	3
Hesperaloe parviflora	Hp	Red Yucca	Red	5 gal	9
Nolina microcarpa	Nm	Beargrass	cream	5 gal	25
Nolina texanum	Nt	Texas Beargrass	cream	5 gal	
Opuntia phaecantha	Op	Prickly Pear		5 gal	
Yucca neomexicana	Yn	New Mexico Yucca	summer	5 gal	9
GRASSES					
Muhlenbergia emersleyi	Me	El Toro Bull Muhly	fall	1 gal	6
Muhlenbergia rigens	Mr	Deergrass	fall	1 gal	6

BOULDER SCHEDULE

Use surface select granite boulders. Bury minimum 3" all sides. The final locations and orientations are to be coordinated in the field. Boulder type may exceed suggested size by 20%.

BOULDER SCHEDULE		
QTY	SIZE	TYPE
7	1.5' x 1.5'	A
7	2.0' x 1.5'	B
7	2.5' x 2.0'	C
3	3.5' x 2.5'	D

GROUNDCOATING & MATERIAL KEY		
Key Note	Material	Batch Symbol
#1 & #6	¾" Buckskin Granite Gravel	
#3	3"- 6" Salt River Rock	
#4	COP organic chippings	
#7	Surface Select granite boulder (See Boulder Schedule for sizing)	



LANDSCAPE PLAN L3

1"= 10'-0"

N

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DWG. NO. PW01 | DATE 07/27/16 | L3

PROJECT NAME

CITY OF PRESCOTT
Everybody's Hometown

PREPARED BY KMP | CHECKED BY SHM | FOR: COP ALARCON ST. CURLEY TO SHELDON

STEPHEN H. MORGAN — REGISTERED LANDSCAPE ARCHITECT — EXPIRES 9-30-2017

Call at least two full working days before you start work
ARIZONA811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

NO.	BY	DATE	ENGINEER APPRV	DATE	CITY

REVIEW:

CIP #:

KEY NOTES

1. 1" Buckskin granite gravel; 3" layer on woven weed barrier, wet and compacted.
2. Drainage channel
3. 3"- 6" Salt River Rock on woven weed barrier for bio-basins
4. 3" layer of COP chippings - Raked, wet and compacted; Use 1" thick layer around new plantings (dripline)
5. ROW treatment to remain as is
6. ROW treatment is to scrape surface of weed and remove 3" top to allow space for new 3" layer of 1" Buckskin Granite gravel, Raked, wet and compacted
7. Granite boulders (1'- 6" to 3'-6" in size) Bury minimum 3" in ground all edges.
8. Bio Basin (See detail #1 and engineering drawings)
9. Valley grade the centerline of all median and ROW new landscaped areas for water harvesting into new succulent plantings
10. Remove ex. evergreen tree
11. Depress center area of planters by 3" for water harvesting
12. Retain ex. vinca/ivy at base of elm trees as it is established
13. Remove tree ring; leave gravel as is
14. Ex. Backflow Preventer assembly box
15. Install Root Barrier with each median tree. (See Sht L7 Detail #3)
16. Solar Array 5' clearance around hydrant. (See Sht L7 Detail #8)
17. Irrigation Controller (See Sht L7 Detail #7)

PLANT SCHEDULE

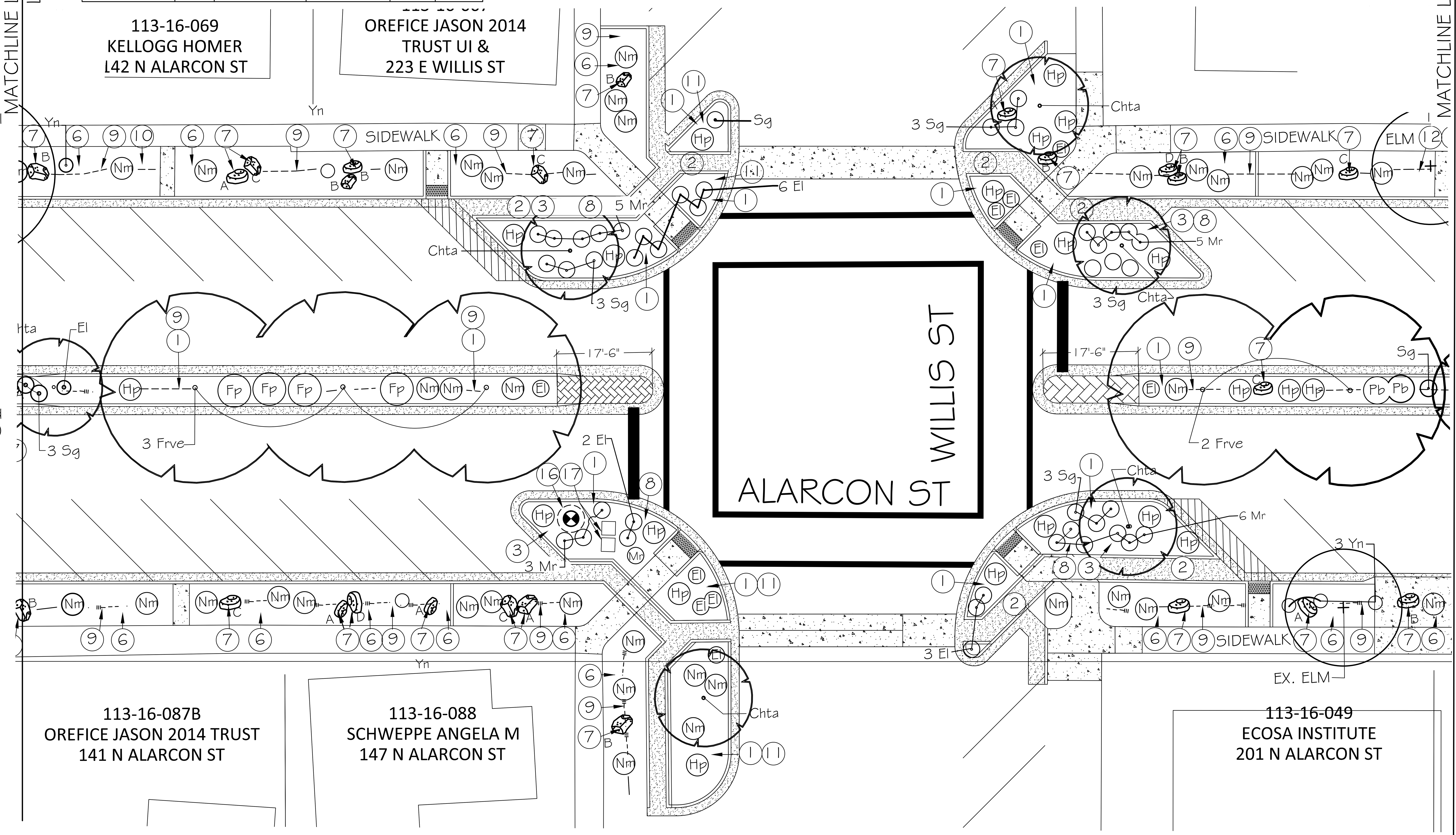
SCIENTIFIC NAME	CODE	COMMON NAME	BLOOM	SIZE	COUNT
TREES					
Chilopsis linearis	Chli	Desert Willow	spring-summer	15 gal	
Chitalpa tashkentensis	Chta	Chitalpa	spring	15 gal	7
Fraxinus velutina	Frve	Arizona Ash	spring	15 gal	5
Fraxinus oxycarpa "Raywood"	Frox	Raywood Ash	not ususally present	15 gal	
SMALL SHRUBS (3' and under)					
Arcostaphylos densiflora 'Howard McMinn'	Ad	McMinn Manzanita	spring	5 gal	
Ericameria laricifolia	El	Turpentine Bush	fall	1 gal	20
Salvia greggii	Sg	Autumn Sage	spring-fall	1 gal	20
Salvia farinacea Texas Violet	Sf	Texas Violet	summer-fall	1 gal	
SHRUBS (over 3' in height)					
Fallugia paradoxa	Fp	Apache Plume	spring	5 gal	4
Prunus pumila v. besseyi	PpB	Sand Cherry	spring	5 gal	2
SUCCULENTS					
Dasylirion wheeleri	Dw	Sotol		5 gal	
Hesperaloe parviflora	Hp	Red Yucca	Red	5 gal	21
Nolina microcarpa	Nm	Beargrass	cream	5 gal	39
Nolina texanum	Nt	Texas Beargrass	cream	5 gal	
Opuntia phaecantha	Op	Prickly Pear		5 gal	
Yucca neomexicana	Yn	New Mexico Yucca	summer	5 gal	6
GRASSES					
Muhlenbergia emersleyi	Me	El Toro Bull Muhly	fall	1 gal	
Muhlenbergia rigens	Mr	Deergrass	fall	1 gal	20

BOULDER SCHEDULE

Use surface select granite boulders. Bury minimum 3" all sides. The final locations and orientations are to be coordinated in the field. Boulder type may exceed suggested size by 20%.

BOULDER SCHEDULE		
QTY	SIZE	TYPE
6	1.5' x 1.5'	A
9	2.0' x 1.5'	B
6	2.5' x 2.0'	C
3	3.5' x 2.5'	D

GROUNDCOATING & MATERIAL KEY		
Key Note	Material	Batch Symbol
#1 & #6	¾" Buckskin Granite Gravel	
#3	3"- 6" Salt River Rock	
#4	COP organic chippings	
#7	Surface Select granite boulder (See Boulder Schedule for sizing)	



LANDSCAPE PLAN L4

1"=10'-0"

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DWG. NO. PW01
DATE 07/27/16
L4

PROJECT NAME

CITY OF PRESCOTT
Everybody's Hometown

PREPARED BY KMP
CHECKED BY SHM
FOR: COP
ALARCON ST. GURLEY TO SHELDON

REGISTERED LANDSCAPE ARCHITECT
CERTIFICATE NO. 48409
STEVEN H. MORGAN
Date Signed 7.27.16
ARIZONA, U.S.A.
EXPIRES 9-30-2017

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NO. | BY | DATE | ENGINEER
APPRV | DATE | CITY

REVIEW:

CIP #:

KEY NOTES

1. 1" Buckskin granite gravel; 3" layer on woven weed barrier, wet and compacted.
2. Drainage channel
3. 3"- 6" Salt River Rock on woven weed barrier for bio-basins
4. 3" layer of COP chippings - Raked, wet and compacted; Use 1" thick layer around new plantings (dripline)
5. ROW treatment to remain as is
6. ROW treatment is to scrape surface of weed and remove 3" top to allow space for new 3" layer of 1" Buckskin Granite gravel, Raked, wet and compacted
7. Granite boulders (1'- 6" to 3'-6" in size) Bury minimum 3" in ground all edges.
8. Bio Basin (See detail #1 and engineering drawings)
9. Valley grade the centerline of all median and ROW new landscaped areas for water harvesting into new succulent plantings
10. Remove ex. evergreen tree
11. Depress center area of planters by 3" for water harvesting
12. Retain ex. vinca/ivy at base of elm trees as it is established
13. Remove tree ring; leave gravel as is
14. Ex. Backflow Preventer assembly box
15. Install Root Barrier with each median tree. (See Sht L7 Detail #3)
16. Meter Box
17. Backflow Preventor
18. Valve Manifold Box

PLANT SCHEDULE					
SCIENTIFIC NAME	CODE	COMMON NAME	BLOOM	SIZE	COUNT
TREES					
Chilopsis linearis	Chli	Desert Willow	spring-summer	15 gal	5
Chitalpa tashkentensis	Chta	Chitalpa	spring	15 gal	5
Fraxinus velutina	Frve	Arizona Ash	spring	15 gal	3
Fraxinus oxycarpa "Raywood"	Frox	Raywood Ash	not ususally present	15 gal	
SMALL SHRUBS (3' and under)					
Arcostaphylos densiflora 'Howard McMinn'	Ad	McMinn Manzanita	spring	5 gal	1
Ericameria laricifolia	El	Turpentine Bush	fall	1 gal	17
Salvia greggii	Sg	Autumn Sage	spring-fall	1 gal	15
Salvia farinacea Texas Viole	Sf	Texas Violet	summer-fall	1 gal	

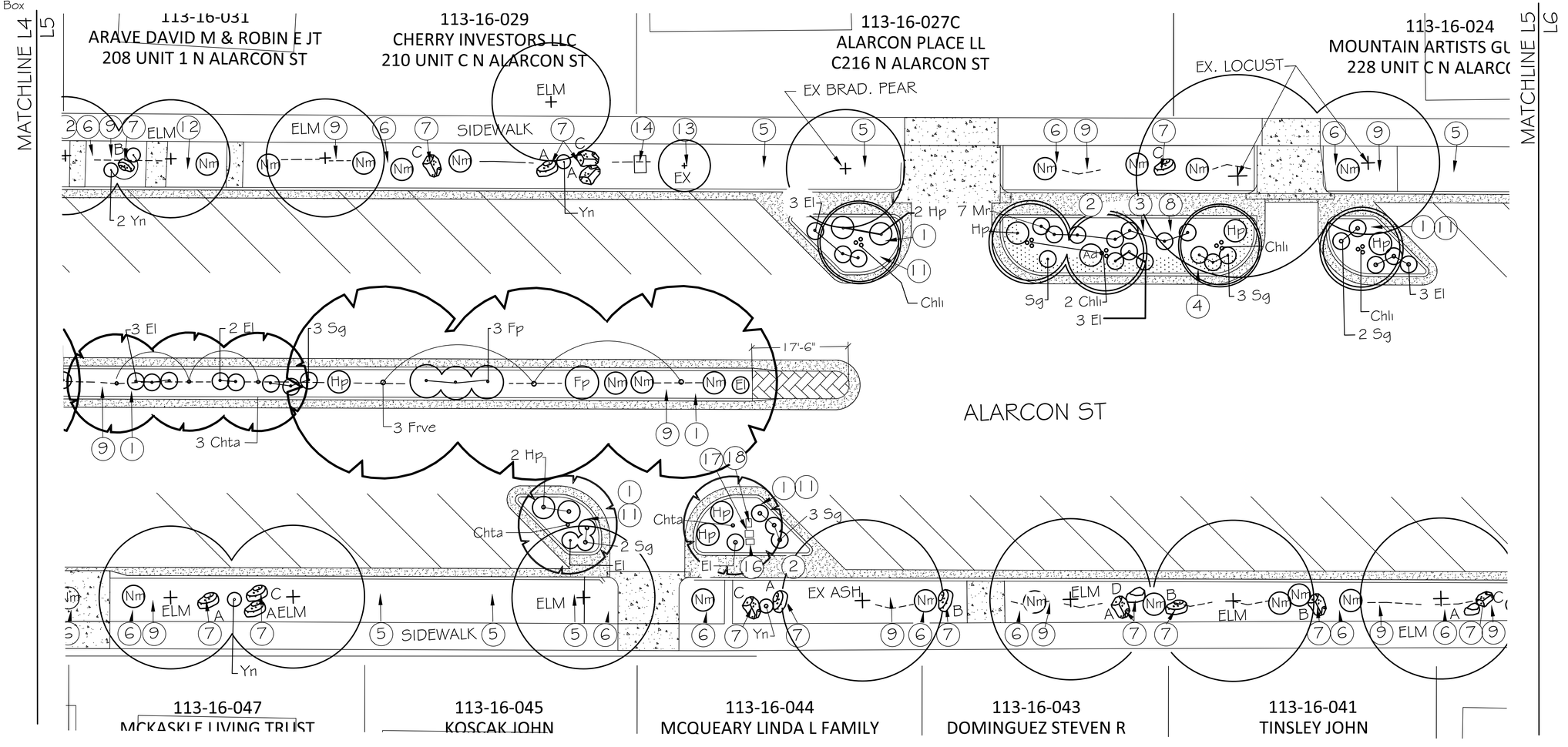
SHRUBS (over 3' in height)					
Fallugia paradoxa	Fp	Apache Plume	spring	5 gal	4
Prunus pumila v. besseyi	PpB	Sand Cherry	spring	5 gal	2
SUCCULENTS					
Dasylirion wheeleri	Dw	Sotol		5 gal	
Hesperaloe parviflora	Hp	Red Yucca	Red	5 gal	10
Nolina microcarpa	Nm	Beargrass	cream	5 gal	22
Nolina texanum	Nt	Texas Beargrass	cream	5 gal	
Opuntia phaecantha	Op	Prickly Pear		5 gal	
Yucca neomexicana	Yn	New Mexico Yucca	summer	5 gal	6
GRASSES					
Muhlenbergia emersleyi	Me	El Toro Bull Muhly	fall	1 gal	
Muhlenbergia rigens	Mr	Deergrass	fall	1 gal	7

BOULDER SCHEDULE

Use surface select granite boulders. Bury minimum 3" all sides. The final locations and orientations are to be coordinated in the field. Boulder type may exceed suggested size by 20%.

BOULDER SCHEDULE		
QTY	SIZE	TYPE
8	1.5' x 1.5'	A
5	2.0' x 1.5'	B
6	2.5' x 2.0'	C
1	3.5' x 2.5'	D

GROUNDCOATING & MATERIAL KEY		
Key Note	Material	Batch Symbol
#1 & #6	¾" Buckskin Granite Gravel	
#3	3"- 6" Salt River Rock	
#4	COP organic chippings	
#7	Surface Select granite boulder (See Boulder Schedule for sizing)	



LANDSCAPE PLAN L5

1"= 10'-0"

N

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DWG. NO. PW01 | DATE 07/27/16 | L5

PROJECT NAME

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PREPARED BY | CHECKED BY: SHM | FOR: COP ALARCON ST. QUIRLY TO SHELDON

REGISTERED LANDSCAPE ARCHITECT STEPHEN H. MORGAN EXPIRES 9-30-2017

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ENGINEER

REVIEW:

CIP #:

KEY NOTES

1. 1" Buckskin granite gravel; 3" layer on woven weed barrier, wet and compacted.
2. Drainage channel
3. 3"- 6" Salt River Rock on woven weed barrier for bio-basins
4. 3" layer of COP chippings - Raked, wet and compacted; Use 1" thick layer around new plantings (dripline)
5. ROW treatment to remain as is
6. ROW treatment is to scrape surface of weed and remove 3" top to allow space for new 3" layer of 1" Buckskin Granite gravel, Raked, wet and compacted
7. Granite boulders (2'- 6" to 4'- 0" in size) Bury minimum 3" in ground all edges.
8. Bio Basin (See detail #1)
9. Valley grade the centerline of all median and ROW new landscaped areas for water harvesting into new succulent plantings
10. Remove ex. evergreen tree
11. Depress center area of planters by 3" for water harvesting
12. Retain ex. vinca/ivy at base of elm trees as it is established
13. Remove tree ring; leave gravel as is
14. Ex. Backflow Preventer assembly box
15. Install Root Barrier with each median tree. (See Sht L7 Detail #3)

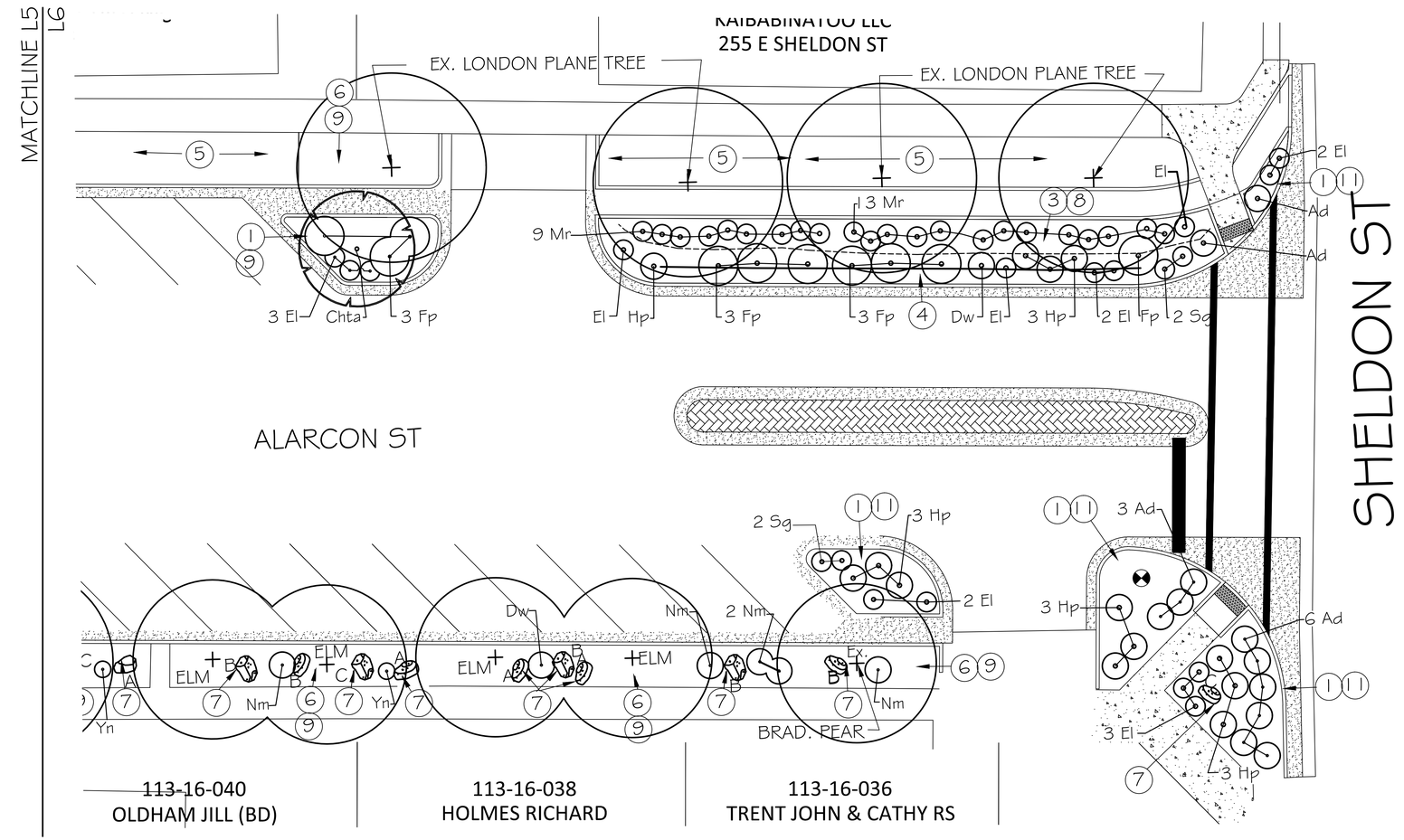
PLANT SCHEDULE					
SCIENTIFIC NAME	CODE	COMMON NAME	BLOOM	SIZE	COUNT
TREES					
Chilopsis linearis	Chli	Desert Willow	spring-summer	15 gal	
Chitalpa tashkentensis	Chta	Chitalpa	spring	15 gal	1
Fraxinus velutina	Frve	Arizona Ash	spring	15 gal	
Fraxinus oxycarpa "Raywood"	Frox	Raywood Ash	not ususally present	15 gal	
SMALL SHRUBS (3' and under)					
Arcostaphylos densiflora 'Howard McMinn'	Ad	McMinn Manzanita	spring	5 gal	11
Ericameria laricifolia	El	Turpentine Bush	fall	1 gal	15
Salvia greggii	Sg	Autumn Sage	spring-fall	1 gal	4
Salvia farinacea Texas Viole	Sf	Texas Violet	summer-fall	1 gal	
SHRUBS (over 3' in height)					
Fallugia paradoxa	Fp	Apache Plume	spring	5 gal	10
Prunus pumila v. besseyi	PpB	Sand Cherry	spring	5 gal	
SUCCULENTS					
Dasylirion wheeleri	Dw	Sotol		5 gal	
Hesperaloe parviflora	Hp	Red Yucca	Red	5 gal	13
Nolina microcarpa	Nm	Beargrass	cream	5 gal	5
Nolina texanum	Nt	Texas Beargrass	cream	5 gal	
Opuntia phaecantha	Op	Prickly Pear		5 gal	
Yucca neomexicana	Yn	New Mexico Yucca	summer	5 gal	6
GRASSES					
Muhlenbergia emersleyi	Me	El Toro Bull Muhly	fall	1 gal	
Muhlenbergia rigens	Mr	Deergrass	fall	1 gal	22

BOULDER SCHEDULE

Use surface select granite boulders. Bury minimum 3" all sides. The final locations and orientations are to be coordinated in the field. Boulder type may exceed suggested size by 20%.

BOULDER SCHEDULE		
QTY	SIZE	TYPE
4	1.5' x 1.5'	A
5	2.0' x 1.5'	B
3	2.5' x 2.0'	C
	2.5' x 2.5'	D

GROUNDCOATING & MATERIAL KEY		
Key Note	Material	Batch Symbol
#1 & #6	¾" Buckskin Granite Gravel	
#3	3"- 6" Salt River Rock	
#4	COP organic chippings	
#7	Surface Select granite boulder (See Boulder Schedule for sizing)	



LANDSCAPE PLAN L6

1"= 10'-0"

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CITY OF PRESCOTT PUBLIC WORKS

DWG. NO. PW01 | DATE 07/26/16 | L6

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PROJECT NAME

CITY OF PRESCOTT
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PREPARED BY KMP | CHECKED BY SHM | FOR: COP ALARCON ST. QUIET TO SHELDON

REGISTERED LANDSCAPE ARCHITECT STEPHEN H. MORGAN 24348 PRESCOTT, ARIZONA, U.S.A.

EXPIRES 9-30-2017

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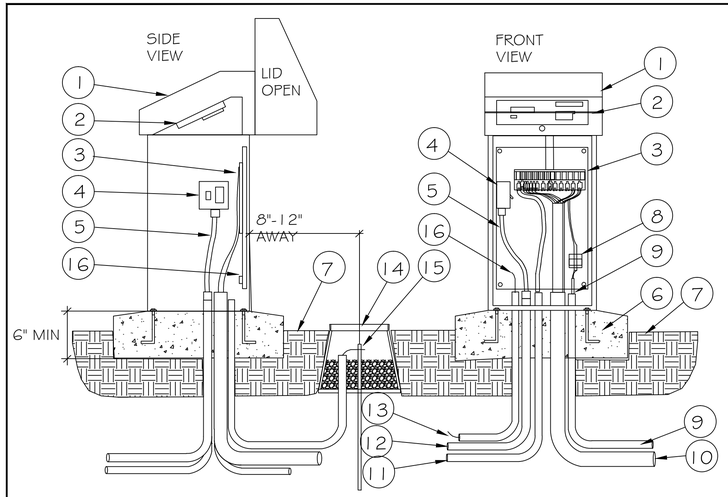
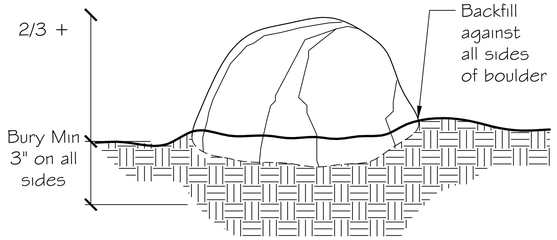


1. Strongbox Stainless Steel NEMA 3R Rainproof enclosure (UL Listed)
2. Satellite Assembly Assembled in enclosure by Siteone Green Tech
3. Terminal strip for valve wires
4. Power strip for valve wires
5. Electrical flex conduit for power
6. 6" min. thick concrete pad with anchor bolts per manufacturer recomendations
7. Finished grade
8. Flow sensor terminal board
9. 1" conduit and sweep ell with flow sensor cable
10. 3" conduit and sweep ell for lead wires
11. 1" conduit and sweep ell for master valve wires
12. 1" conduit and sweep ell for 110 VAC power line
13. 1" conduit and sweep ell for ground wire
14. 10" round valve box around ground rod. Fill with 3/4" crushed rock.
15. 5/8" x 8' ground rod with #6 ground wire and clamp. Locate 8'-12' from enclosure.
16. #6 ground wire secured to backboard grounding terminal.

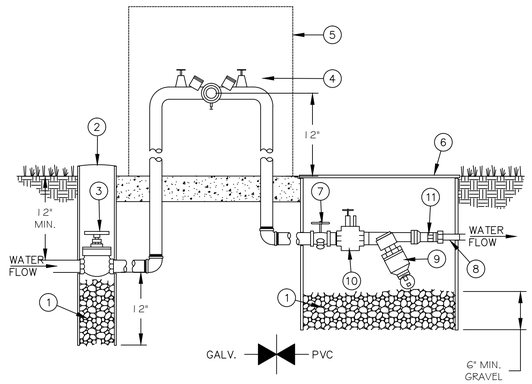
NOTE: See irrigation legend call out for included satellite communication commpontnts. Suggested conduit sizes may need to be larger.

7 IRRIGATION CONTROLLER
NTS

BOULDER SCHEDULE
Use surface select granite boulders. Bury minimum 3" all sides. The final locations and orienations are to be coordinated in the field. Boulder tpe may exceed suggested size by 20%.

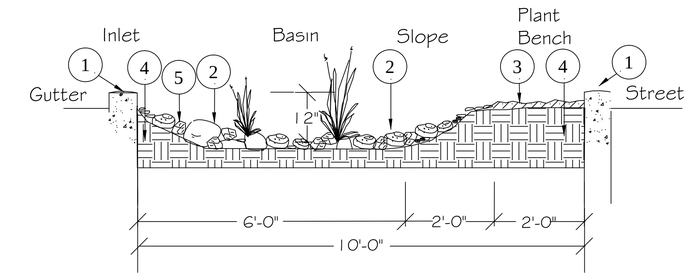


4 BOULDER INSTALL DETAIL
NTS



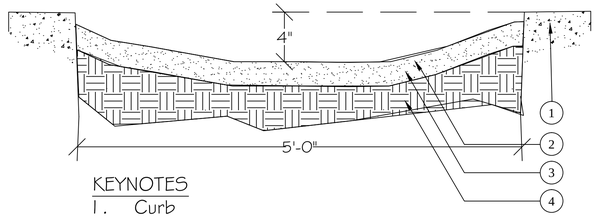
1. 3/4" GRAVEL
2. 4" DIA. PVC SLEEVE W/ CAP
3. STOP & WASTE VALVE
4. REDUCED PRESSURE ZONE ASSEMBLY (RPZ)
5. PROVIDE INSULATED BOX MOUNTED ON 3' X 3' CONCRETE PAD FOR RPZ ASSEMBLY
6. IRRIGATION BOX
7. HOSE BIB (TO DRAIN SYSTEM)
8. POLYLINE
9. WYE FILTER
10. ELECTRIC SOLENOID
11. PRESSURE REGULATOR

5 BACK FLOW PREVENTER DETAIL
NTS



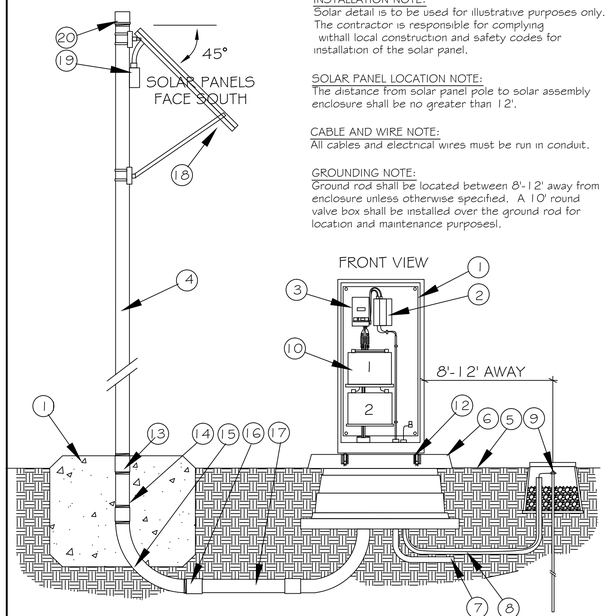
1. Ex. Curb
2. Ex. 3"-6" Salt River Rock on Woven weed fabric
3. 3" Layer of COP Chippings
4. Fill to engineering specs
5. Sediment Trap cross-section - See Engineer Dwgs.

1 BIO-SWALE CROSS-SECTION
NTS



KEYNOTES
1. Curb
2. Median Planter Strip
3. 3" Layer of Gravel
4. Compacted Fill

2 VALLEY SWALE
NTS



INSTALLATION NOTE:
Solar detail is to be used for illustrative purposes only. The contractor is responsible for complying withall local construction and safety codes for installation of the solar panel.

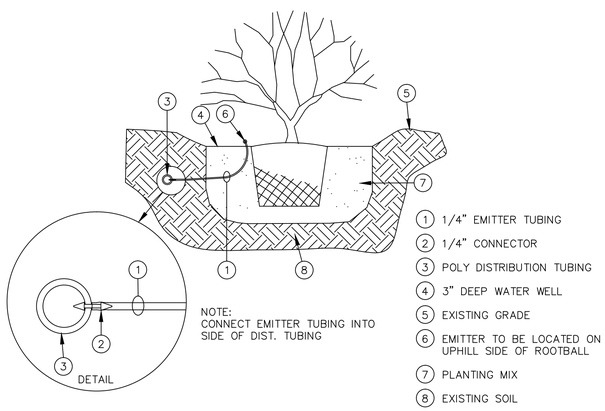
SOLAR PANEL LOCATION NOTE:
The distance from solar panel pole to solar assembly enclosure shall be no greater than 12'.

CABLE AND WIRE NOTE:
All cables and electrical wires must be run in conduit.

GROUNDING NOTE:
Ground rod shall be located between 8'-12' away from enclosure unless otherwise specified. A 10' round valve box shall be installed over the ground rod for location and maintenance purposesl.

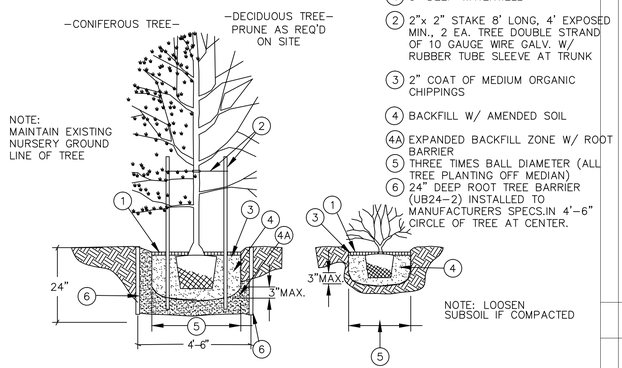
8 IRRIGATION SOLAR ASSEMBLY
NTS

1. Strongbox Stainless Steel NEMA 3R Rainproof enclosure and Solar Assembly byJDGT.
2. Power Inverter.
3. Charge Controller
4. 1" to 2" panels. Install 15'x3" galvanized pole. *3 to 4 panels. Install 15'x4" galvanzed pole.
5. Finished Grade
6. Enclosure mounting pad (EMP) Strongbox Quick-Pad. Fill with 3/4" crushed rock.
7. 1-1/2" electrical conduit and sweep ell for 120 VAC power line to controller.
8. 1-1/2" PVC conduit and sweep ell with #6 ground wire to external ground rod location.
9. UL listed 5/8"x8' ground rod with #6 ground wire and clamp installed inside 10" round valve box.
10. Batteries for power storage. Number of batteries based on power requirement.
11. 3'x3'x3 concrete footing for galvanized pole with solar panels.
12. Strong box quick pad anchor bolts.
13. Galvanized coupling. Size per pole diameter.
14. Galvanized pipe and fittings as necessary. Size per pole diameter.
15. Galvanized sweep ell. Set in concrete footing. Size per pole diameter.
16. PVC female adapter or reducing bushing to convert from galvanized to 3" PVC conduit.
17. 3" PVC conduit for solar power cables.
18. Mount solar panel on galvanized pole with bracket provided by JDGT. Pole not included.
19. Water proof panel on galvanized pole with bracked provided by JDGT. Pole not included.
20. Galvanized end cap. Size per pole diameter.



1. 1/4" EMITTER TUBING
2. 1/4" CONNECTOR
3. POLY DISTRIBUTION TUBING
4. 3" DEEP WATER WELL
5. EXISTING GRADE
6. EMITTER TO BE LOCATED ON UPHILL SIDE OF ROOTBALL
7. PLANTING MIX
8. EXISTING SOIL

6 DRIP EMITTER DETAIL
NTS



1. 3" DEEP WATERWELL
2. 2"x 2" STAKE 8' LONG, 4' EXPOSED MIN., 2 EA. TREE DOUBLE STRAND OF 10 GAUGE WIRE GALV. W/ RUBBER TUBE SLEEVE AT TRUNK
3. 2" COAT OF MEDIUM ORGANIC CHIPPINGS
4. BACKFILL W/ AMENDED SOIL
4A. EXPANDED BACKFILL ZONE W/ ROOT BARRIER
5. THREE TIMES BALL DIAMETER (ALL TREE PLANTING OFF MEDIAN)
6. 24" DEEP ROOT TREE BARRIER (UB24-2) INSTALLED TO MANUFACTURERS SPECS.IN 4'-6" CIRCLE OF TREE AT CENTER.

3 TYP. PLANTING DETAIL, TREES & SHRUBS
NTS

PROJECT NAME

DWG. NO. PW01 | DATE 07/27/16 | L7

CITY OF PRESCOTT PUBLIC WORKS

Landscapes for Life LLC
LANDSCAPE ARCHITECTURE • CONSULTING
SPECIALTY DESIGN ELEMENTS • ENVIRONMENTAL EDUCATION
1885 N. Arrowhead Dr., Prescott, AZ 86305
928.445.1060 (AZ) · 575.895.5461 (NM)
www.landscapesforlifellc.com

CITY OF PRESCOTT Everybody's Hometown
PREPARED BY KMP | CHECKED BY SHM | FOR: COP ALMOON ST. QUAILY TO SHELDON

REGISTERED LANDSCAPE ARCHITECT STEVEN H. MORGAN
EXPIRES 9-30-2017

Call at least two full working days before you begin work
ARIZONA811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

NO.	BY	DATE	APPRV	DATE
			CITY	
			ENGINEER	

CIP #:

REVIEW:

PLANTING & MAINTENANCE NOTES

1. DESCRIPTION OF WORK: Landscape Contractor shall provide all labor, plants materials and equipment including all soil amendments, tree protection material and inert mulches necessary to install the work as indicated on the planting plan. They shall inspect the plan and the site, and shall install all landscape elements per intent of the plan. Any discrepancies noted shall immediately be brought to the attention of the Owner's Agent/Landscape Architect for resolution.
2. SUPERVISION: Landscape Contractor shall maintain a qualified supervisor on the site at all times during construction through completion of punch list items.
3. The Landscape Contractor shall supply all plant materials in quantities to complete the designed plantings as shown on drawings. No plant substitutions or size changes will be accepted without pre-approval of Owner's Agent/Landscape Architect.
4. Plant material shall be first class nursery stock conforming in size and grade to American Association of Nurserymen standards. Plant material to be held and hardened off in the Prescott area for a minimum of 30 days prior to planting.
5. No plant shall be put into the ground before rough grading has been completed and approved by Owner's Agent/Landscape Architect.
6. Tree and shrub planting pits shall be three times the root ball width. The bottom of the ball is rest on tamped planting mix as shown in Detail #1.
7. Planting mix to consist of 5 parts native soil to 1 part humus.
8. Native soil shall be free of clods, stones and any other undesirable material larger than 2" in diameter.
9. Humus shall be well composted mulch material, dark brown to black and able to pass through a ½" screen.
10. Fertilizer for all plantings (exception is Cacti and other succulents) shall be continuous release organic fertilizer mixed with soil according to manufacturers recommended rates.
11. Top of root ball shall be flush with bottom of water basin. Use water harvesting eyebrow technique by opening up the top of the water well to the upslope flow. Basin should extend 2'- 0" beyond dripline either side.
12. All plants shall be balled & wrapped or container grown as specified. No root bound container grown stock will be accepted. All root ball wrapping material made of synthetics or plastics shall be removed at the time of planting. With container grown stock, the container shall be removed and root ball cut through the surface in four vertical locations (evenly spaced).
13. All trees shall be staked with 2 Lodge-pole Pine stakes, 8'- 0" long, set plumb to trunk and ground level. Stakes are not to pierce the root ball. Stretch tape ties will not be accepted. Stake in accordance with horticultural standards. Stake accordingly to site location (windy).
14. All plants to be installed (plumb with ground) as per details and the contract specifications.
15. MAINTENANCE:
    - Landscape Contractor shall provide job maintenance immediately following any planting operation and shall continue until job acceptance by Owner's Agent/Landscape Architect.
    - All plants (exceptions are Cacti and other succulents) are to be watered thoroughly twice during the first 24-hour period after planting and then irrigated once every 2 days for a 30-day period. Cacti and other succulents are to be watered in initially and then Cacti once every 2 weeks, other succulents once per week. Length of watering time to be determined by checking the soil moisture content. Watering is needed if soil is dry 3" below the surface. Watering duration should be between 1 and 2 hours.
    - Native plants should be established enough with each passing season to have watering time and durations reduced.
    - Plants are spaced to allow full natural growth without the need of regular pruning. Prune only for safety reasons and annual tree thinning.
    - Restore water wells as needed through maintenance period. Tighten & repair tree stakes, maintain plant positions as accepted upon completion. Weed as required.
    - After all landscape operations are complete and in conformance with the contract documents, the Owner's Agent/Landscape Architect shall grant provisional acceptance.
    - Following provisional acceptance, the Landscape Contractor shall provide project maintenance for a ninety (90) day period consisting of all of the above covered items.
    - Following the ninety (90) day maintenance period, Owner's Agent/Landscape Architect shall grant final job acceptance after verifying that all work and plants are in conformance with the contract documents.
16. GUARANTEE: All plants to be guaranteed for two (2) years following the final job acceptance by Owner's Agent/Landscape Architect. Any unhealthy plants shall be promptly removed and replaced by matching plants. Guarantee will be limited to one (1) replacement unless it is determined that poor quality plant materials or workmanship are the cause of need for replacement.

CONSTRUCTION QUANTITIES			
1 gal plant		ea	230
5 gal plant		ea	252
15 gal plant		ea	47
3/4"-1" Buckskin gravel granite or equal	22,351 SF	cy (125 SF/cy)	180cy
COP organic chippings	1,220 SF	cy (100 SF/cy)	12cy
3" - 6" Salt River Rock	2,916 SF	cy	33cy
Boulder - Surface select granite	1.5' x 1.5'	ea	25
Boulder - Surface select granite	2.0' x 1.5'	ea	26
Boulder - Surface select granite	2.5' x 2.0'	ea	22
Boulder - Surface select granite	2.5' x 2.5'	ea	7
2" SCH 40 PVC sleeving	780 LF		
1 1/4" SCH 40 PVC mainline	1,080 LF		
1" SCH 40 PVC lateral	400 LF		
3/4" poly drip line	2,100 LF		
Backflow Assembly, Valve manifold		ea	2
Remote irrigation controller		ea	2

IRRIGATION NOTES

1. Irrigation plan is field laid out. Irrigation Contractor shall be responsible for providing a complete and efficient irrigation system
2. Irrigation Contractor shall not willfully install the irrigation system as discussed when it is obvious in the field that unknown obstructions, grade differences, significant vegetation or differences in the area dimensions exist that might not have been considered in the design. Such obstructions or differences should be brought to the attention of Owner's Agent/Landscape Architect. In the event this notification is not performed, Irrigation Contractor shall assume full responsibility for any revisions necessary.
3. AS-BUILT DRAWINGS: Irrigation Contractor will maintain during construction, a complete set of as-built drawings. These drawings must show locations of all piping, piping zones per valve, numbered valves, RPZ and controllers. A copy of final As-Built drawing to be submitted to the owner at time of final acceptance.
4. EXAMINATION OF DRAWINGS AND SITE PREMISES: Before submitting a bid, the Irrigation Contractor shall carefully study the drawings and shall make a careful examination of the site premises and any existing related work. They shall definitely determine in advance the methods of installing and connecting the system, the means to be provided for getting the equipment into place, and shall make themselves thoroughly familiar with all of the requirements of the contract. By the act of submitting a proposal for the work required and included in the contract, the Irrigation Contractor shall be deemed to have made such study and examination, and to be familiar with and accept all conditions of the project site.
5. Irrigation system shall tie into existing water City water main. Verify location of #1 tap and #2 tap as indicated on drawing L1. All PVC source pipe to be in 36" deep trench.
6. Irrigation sleeving to be 2" SCH 40 PVC with minimum 36" deep trenches. Sleeving is to extend a minimum of 12" out from hardscape edge. Sleeving to be free of debris and kept capped until installation of irrigation piping and tubing.
7. Install a brass ¾" Stop & Waste valve (shut off valve) in 6" PVC access tube w/ cap at tie-in point. See Sheet L7, Detail #3.
8. Install a Wilkins 975 RPZ valve (or equal) in line with Stop & Waste valve. Install to code standards. Provide a tan Polar Guard Insulation bag (20"x 20") to cover RPZ for freeze protection. See Sheet L7, Detail #3.
9. Install Rainmaster Evolution DX2 controller with Solar 250 Solar Assembly by SiteOne Green Tech. This vendor is specified as they are responsible for the current COP Irrigation Evolution Central Base which this new system will connect with. Components required are: DX6-SPED (controller in pedestal mount); DX-FLOW (if they want flow sensing capability), DX-RADIO-KIT(radio and communication board to communicate with the central computer), EV-ANT-FD (antenna for radio communication and Solar250 Solar Assemblies. Project call out is: SA2-RM4-6/DX-FLOW/DX-RADIO-KIT/EV-ANT-FD/SOLAR250 Solar Assemblies by SiteOne Green Tech
10. Irrigation control wire used to be specifically manufactured for operation of irrigation control valves. Use single strand 14 gauge wire, color coded for ease of installation and maintenance. All splices and connections to use Rainbird PT wire connectors or equal. Electric conduit to be located a min. of 12" behind curb in min. 18" deep trench.
11. Affix a plastic laminated card inside controller cover indicating each valve controlled, what the valve controls, station number and running time duration
12. All pressure pipe to be SCH 40 PVC. Size as noted.
13. Valve boxes to be large enough to allow easy maintenance of manifold parts.
14. Poly drip main-lines to be buried 8" deep with minimum of 3" clean shading material cover.
15. All trenching backfill material shall be free of rock, caliche or other debris that might damage pipe/tubing. Any settling of soil shall be restored to finish grade.
16. Use Rainbird 100-PGA electric valve or equal, ¾" Wye filter and a 30 PSI pressure regulator for
17. Use Rainbird Xeri-bug emitters or equal. Use 2/1 gallon/hr emitter for each 1 gallon plant. Use 3/1 gallon/hour emitters for each 5 gallon plant.
18. Use Rainbird LD-09-18-100 Landscape Dripline or equal in pinned ring around each tree at the canopy dripline tied into source dripline.
19. Polyline end caps are to be screw on type. Low point in each zone to have a teed flushing cap in 6" diameter valve box on 18" by 18" gravel drain bed. Use ¾" I.D. polyline for runs of 250' to 600' in length. Use ½" I.D. polyline for shorter runs.
20. OPERATING AND MAINTENANCE INSTRUCTIONS: At the completion of the work, Irrigation Contractor shall prepare two (2) complete operating and maintenance instruction manuals for the Irrigation System. Data shall be typewritten and enclosed in a suitable folder and submitted to the Owner's Agent/Landscape Architect for explanation and approval. All information needed to properly operate and maintain all items, including scheduling information, parts lists, etc. will be part of the instructions.
21. GUARANTEE: The Irrigation Contractor shall guarantee their work to be free from defects in workmanship and material for a period of two (2) years from the date of final acceptance. Any material or equipment which proves defective within that time period shall be promptly repaired or replaced by Contractor without cost to the Owner.

MASTER PLANT SCHEDULE					
SCIENTIFIC NAME	CODE	COMMON NAME	BLOOM	SIZE	COUNT
TREES					
Chilopsis linearis	Chli	Desert Willow	spring-summer	15 gal	11
Chitalpa tashkentensis	Chta	Chitalpa	spring	15 gal	18
Fraxinus velutina	Frve	Arizona Ash	spring	15 gal	15
Fraxinus oxycarpa "Raywood"	Frox	Raywood Ash	not ususally present	15 gal	3
SMALL SHRUBS (3' and under)					
Arcostaphylos densiflora 'Howard McMinn'	Ad	McMinn Manzanita	spring	5 gal	19
Ericameria laricifolia	El	Turpentine Bush	fall	1 gal	76
Salvia greggii	Sg	Autumn Sage	spring-fall	1 gal	50
Salvia farinacea Texas Violet	Sf	Texas Violet	summer-fall	1 gal	2
SHRUBS (over 3' in height)					
Fallugia paradoxa	Fp	Apache Plume	spring	5 gal	21
Prunus pumila v. besseyi	PpB	Sand Cherry	spring	5 gal	4
SUCCULENTS					
Dasylirion wheeleri	Dw	Sotol		5 gal	3
Hesperaloe parviflora	Hp	Red Yucca	Red	5 gal	70
Nolina microcarpa	Nm	Beargrass	cream	5 gal	105
Nolina texanum	Nt	Texas Beargrass	cream	5 gal	0
Opuntia phaecantha	Op	Prickly Pear		5 gal	2
Yucca neomexicana	Yn	New Mexico Yucca	summer	5 gal	38
GRASSES					
Muhlenbergia emersleyi	Me	El Toro Bull Muhly	fall	1 gal	11
Muhlenbergia rigens	Mr	Deergrass	fall	1 gal	91

GENERAL NOTES

1. The Landscape Contractor shall locate and verify the location of all utilities prior to the starting of work. Call 8-1-1 for Arizona One-Call Notification System.
2. Verify all questionable or conflicting dimensions or conditions prior to construction.
3. CLEAN WORK SITE: The contractor shall at all times keep the area of their work in a neat and orderly condition, insofar as the storage of material and the removal of dirt and rubbish caused by their work are concerned. All instructions issued by the Landscape Architect in regard to the storage of materials, protection measures, cleaning up of debris, etc. shall be explicitly followed. Upon completion of the work, the Contractor shall thoroughly clean all machinery, equipment, piping, etc. and shall have the area broom clean insofar as their work is concerned.
4. Refer to COP Engineering drawings for specs and dimensions for all project roadway, curbs, gutters, bio-swale and sidewalks.
5. Install SCH 40 PVC irrigation sleeving in areas of hardscape prior to installing hardscape.
6. Use Corn Gluten as an organic weed preemergent in all graveled areas. Mix in during installation. Use and apply as recommended by manufacturer. Online source.

CONSTRUCTION NOTES

1. Install 24" DeepRoot Tree barrier system (UB24-2) or equal to all new tree plantings in median planters. Install as a 4'- 6" diameter circle with tree centered and as required by manufacturer. (Source: www.deeproot.com)
2. The ROW graveled strips are without irrigation. Use DriWater time release water gel pacs for the succulent plantings in the ROW area. Use the Tube (TG) and Gel Pac; Use 2 units per 1 gal Yn and 3 units per each 5 gal Nm and Dw. Carefully follow their website instructions for installation and maintenance. Units should supply moisture for 75 to 90 days from installation. Contractor shall be responsible for a full year of Driwater supply and maintenance.
(Source: www.driwater.com 1-800-DRIWATER)
3. The ROW strips will have a shallow drainage swale running in a slight serpentine pattern through those spaces. Build a 3" high water bar spanning the swale every 6" of elevation drop. These are mini-checkdams and help slow down heavier flow and allow water to be absorbed in those areas which benefits the nearby plantings.3/4" Buckskin Granite gravel (or equal) 3" layer on woven weed fabric. (Source: Granite Mtn. Materials (928)778-5553)
4. 3/4" Buckskin Granite gravel (or equal) 3" layer on woven weed fabric.
(Source: Granite Mtn. Materials (928) 778-5553)
5. 3"-6" Salt River Rock on weed barrier.
(Source: Granite Mtn. Materials (928) 778-5553)

PROJECT NAME

DWG. NO. PW01
DATE 07/27/16
L8

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CHECKED BY SHM
FOR: COP
ALARCON ST.
GURLEY TO SHELDON

REGISTERED LANDSCAPE ARCHITECT
CERTIFICATE NO. 48409
STEVEN H. MORGAN
Date Signed 7/27/16
ARIZONA, U.S.A.
EXPIRES 9-30-2017

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