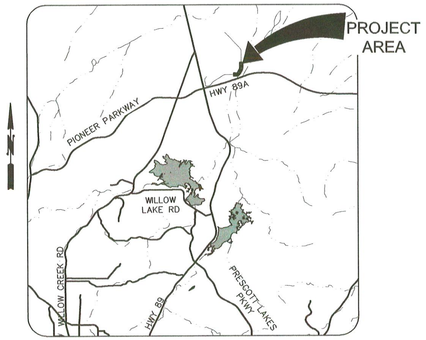


VICINITY MAP
NOT TO SCALE

CITY OF PRESCOTT
Everybody's Hometown

PUBLIC WORKS DEPARTMENT

WILKINSON DRIVE PAVEMENT RECONSTRUCTION PROJECT

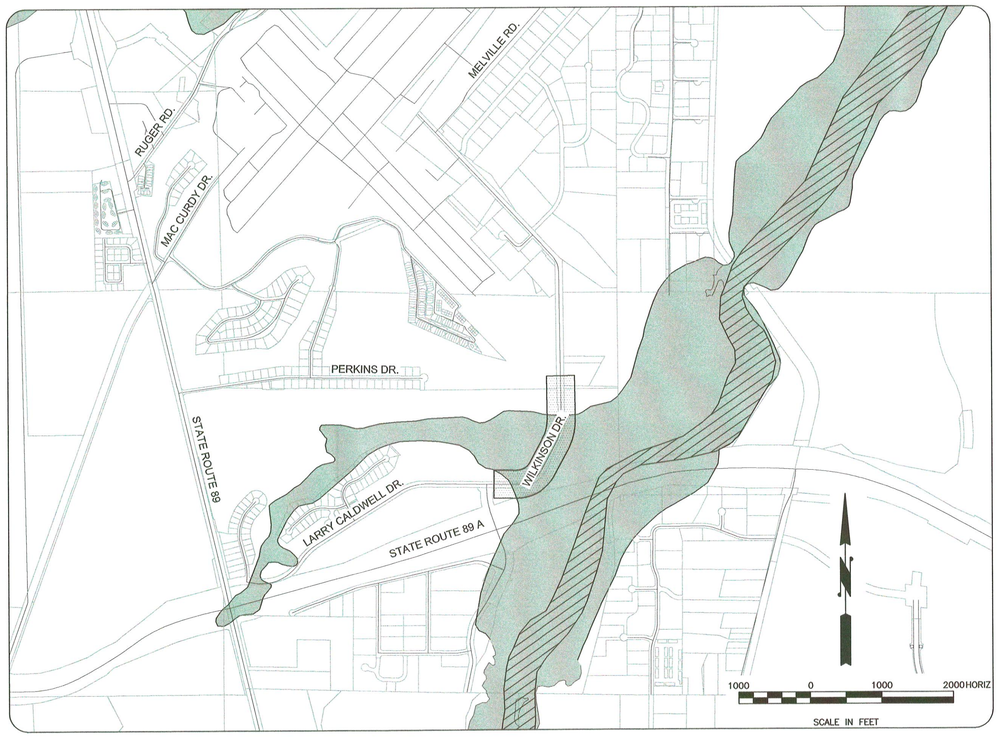
CIP# 19-015

MAYOR

GREG MENGARELLI

CITY COUNCIL

BILLIE ORR
STEVE BLAIR
PHIL GOODE
CATHEY RUSING
ALEXA SCHOLL
STEVE SISCHKA



SHEET INDEX	
Sheet	Sheet Title
1	COVER SHEET & SHEET INDEX
2	LEGEND
3	GENERAL NOTES
4	GEOMETRIC CONTROL PLAN
5	TYPICAL SECTIONS
6	TYPICAL SECTIONS
7	DEMOLITION PLAN (STA 2+25 - STA 17+00)
8	DEMOLITION PLAN (STA 17+00 - STA 21+15)
9	OVERALL DRAINAGE PLAN, CROSS SECTIONS & KEY MAP
10	PAVING PLAN AND PROFILE - STA 2+00 - 6+00
11	PAVING PLAN AND PROFILE - STA 6+00 -10+75
12	PAVING PLAN AND PROFILE - STA 10+75 - 15+00
13	PAVING PLAN AND PROFILE - STA 15+00 - 19+00
14	PAVING PLAN AND PROFILE - STA 19+00 - END
15	PAVEMENT MARKING AND SIGNAGE PLAN
16	EROSION CONTROL PLAN
17	DETAILS
18	DETAILS
19	DETAILS

UTILITY INFORMATION

COMPANY	CONTACT	TELEPHONE
ARIZONA PUBLIC SERVICE CO. 6672 CORSAIR PRESCOTT, ARIZONA 86301	SHERYL McCRACKEN	(928)443-6621
CENTURYLINK 1445 MASONRY WAY PRESCOTT, ARIZONA 86301	DELL HOWARD	(928)649-9318-2513
UNISOURCE GAS CO. 6405 WILKINSON DRIVE PRESCOTT, ARIZONA 86301	MALI ROSS	(928)771-7227
SPARKLIGHT 3201 TOWER ROAD PRESCOTT, ARIZONA 86305	DOUGLAS HAMILTOBN	(928)713-8382
CITY OF PRESCOTT WATER AND SEWER P.O. BOX 2059 PRESCOTT, ARIZONA 86301	ERIC BAY, PE	(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.

APPROVED BY

CITY ENGINEER — DATE 3/30/2020

UTILITIES MANAGER — DATE 3/30/2020

FLOOD PLAIN

ZONE A
WITHOUT BASE FLOOD ELEVATION (BFE)
WITH BFE OR DEPTH

ZONE AE
REGULATORY FLOODWAY

ZONE X
0.2% ANNUAL CHANCE FLOOD HAZARD, AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTH LESS THAN ONE FOOT OR WITH DRAINAGE AREAS OF LESS THAN ONE SQUARE MILE

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

CIVIL ENGINEER
CITY OF PRESCOTT
430 N. VIRGINIA STREET
PRESCOTT, AZ 86301
(928) 777-1130
ARIC STEWART, PE

GEOTECHNICAL ENGINEER
TERRACON
4685 SOUTH ASH AVENUE, STE H-4
TEMPE, AZ 85282
(480) 897-8200

SURVEYOR
LYON ENGINEERING
1650 WILLOW CREEK ROAD
PRESCOTT, AZ 86301
(928) 776-1750
CONTACT: JASON O'BRIEN, RLS

CITY OF PRESCOTT PUBLIC WORKS

DATE 03/30/2020 — SHEET NO. 1 OF 19

COVER SHEET AND SHEET INDEX

WILKINSON DRIVE PAVEMENT IMPROVEMENTS

CITY OF PRESCOTT *Everybody's Hometown*

PREPARED BY DJC/BRF — CHECKED BY AMS — FOR: COP

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 49652 ARIC M. STEWART Date Signed 03/30/20 ARIZONA, U.S.A.

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)

NO.	BY	DATE	REVISIONS	APPRV	DATE
				CITY	

ENGINEER

REVIEW:

CIP #: 19-015

FILE NAME&PATH: K:\ENGINEERING\PROJECTS\FY-19\19-015 – WILKINSON DR IMP PROJ\PS&E\CADD\SHEETS\001 COVER.DWG

LEGEND

SURVEY LINETYPES

EXIST	PROP	DESCRIPTION
		SUBDIVISION BOUNDARY
		RIGHT OF WAY
		PARCEL
		SETBACKS
		EASEMENTS
		CENTERLINES

FEATURE LINETYPES

EXIST	PROP	DESCRIPTION
		6" SINGLE CURB
		6" VERTICAL CURB & GUTTER
		EDGE OF PAVEMENT
		CONCRETE
		GRAVEL
		SHOULDER
		SAWCUT
		GAURDRAIL
		FENCE, BARBED
		FENCE, CHAINLINK
		FENCE, WOOD
		FILL CATCH LINE
		CUT CATCH LINE
5555	5555	MAJOR CONTOUR
5554	5554	MINOR CONTOUR
		BUILDING
		STORM DRAIN PIPE or CULVERT

UTILITY LINETYPES

EXIST	PROP	DESCRIPTION
W	W	WATER LINE, SIZE NOT INDICATED
4W	4W	WATER LINE, 4" DIA
6W	6W	WATER LINE, 6" DIA
8W	8W	WATER LINE, 8" DIA
10W	10W	WATER LINE, 10" DIA
12W	12W	WATER LINE, 12" DIA
18W	18W	WATER LINE, 18" DIA
24W	24W	WATER LINE, 24" DIA
IRR	IRR	IRRIGATION LINE
S	S	SEWER LINE, SIZE NOT INDICATED
4S	4S	SEWER LINE, 4" DIA.
6S	6S	SEWER LINE, 6" DIA.
8S	8S	SEWER LINE, 8" DIA.
10S	10S	SEWER LINE, 10" DIA.
12S	12S	SEWER LINE, 12" DIA.
18S	18S	SEWER LINE, 18" DIA.
24S	24S	SEWER LINE, 24" DIA.
OH	OH	OVERHEAD UTILITY LINE
E	E	ELECTRIC LINE, UNDERGROUND
CTV	CTV	CABLE TELEVISION LINE, UNDERGROUND
TEL	TEL	TELEPHONE LINE, UNDERGROUND
ECT	ECT	ELECTRIC, CABLE, TELEPHONE COMMON TRENCH, UNDERGROUND
GAS	GAS	GAS LINE, UNDERGROUND
FO	FO	FIBER OPTIC LINE, UNDERGROUND

WATER SYMBOLS AND LINETYPES

EXIST	PROP	DESCRIPTION
		FIRE HYDRANT
W	W	WATER METER
		BLOW-OFF
		WATER VALVE
		THRUST BLOCK
		CROSS
		TEE
		REDUCER
		CAP / PLUG

DRAINAGE SYMBOLS

EXIST	PROP	DESCRIPTION
ST	ST	STORM MANHOLE
		STORM CATCH BASIN
		CURB INLET
		COMBINATION CURB INLET
		RIP RAP

HATCH PATTERNS

EXIST	PROP	DESCRIPTION
		GRASS
		RIP RAP
		CONCRETE
		ASPHALT
		BUILDINGS
		TRUNCATED DOMES (DETECTABLE WARNING)

SURVEY SYMBOLS

	SECTION CORNER MONUMENT
	SECTION QUARTER CORNER MONUMENT
	BRASS CAP
	FOUND MONUMENT AS NOTED
	CONTROL POINT
	AERIAL PANEL
	OWNERSHIP TIE

SEWER SYMBOLS

EXIST	PROP	DESCRIPTION
S	S	SANITARY SEWER MANHOLE
Co	Co	SANITARY SEWER CLEAN OUT
		2-WAY BUILDING CLEAN OUT

DRY UTILITY SYMBOLS

EXIST	PROP	DESCRIPTION
		UTILITY POLE
E	E	ELECTRICAL TRANSFORMER, SWITCHING CABINET, PULL BOX, OR VAULT
		ELECTRICAL SERVICE METER
		DOWN GUY (ANCHOR)
		CABLE TV PEDESTAL
		TELEPHONE PEDESTAL
T	T	TELEPHONE VAULT
T	T	TELEPHONE MANHOLE
		GAS METER
		GAS VALVE

SURFACE/LANDSCAPING SYMBOLS

EXIST	PROP	DESCRIPTION
		SIGN
		POST
		BOLLARD
		MAIL BOX
		BORE LOCATION
		CONIFER TREE
		DECIDUOUS TREE
		DECIDUOUS SHRUB
		EVERGREEN SHRUB
		STREET LIGHT
		YARD LIGHT

NOTE BUBBLES

#	KEYNOTE SYMBOL
#	KEYNOTE SYMBOL
#	KEYNOTE SYMBOL
#	KEYNOTE SYMBOL
#	KEYNOTE SYMBOL
#	KEYNOTE SYMBOL
#	KEYNOTE SYMBOL

EXIST	PROP	DESCRIPTION
		MANHOLE PROFILE VIEW
		CATCH BASIN PROFILE VIEW
		CLEAN OUT PROFILE VIEW

PROFILE LINETYPES

	MAJOR GRID
	MINOR GRID
	EXISTING GRADE
	PROPOSED GRADE
	EXISTING WATER, SANITARY SEWER, OR STORM SEWER
	PROPOSED WATER, SANITARY SEWER, OR STORM SEWER
	EXISTING DRY UTILITIES (CROSSINGS ONLY)
	PROPOSED DRY UTILITIES (CROSSINGS ONLY)

ABBREVIATIONS

&	AND
@	AT
℄, CL	CENTERLINE
⅊, PL	PROPERTY LINE
%	PERCENT
#	NUMBER
A.B.	AS BUILT
AC.	ACRE
A/C	ASPHALTIC CONCRETE
AGGR.	AGGREGATE
ALT.	ALTERNATE
AP	ANGLE POINT
APPROX.	APPROXIMATELY
ASPH.	ASPHALT
B&B	BALLED AND BUR LAPPED
B.C.	BOTTOM OF CURB
BIT.	BITUMINOUS, BITUMEN
B.O.C.	BACK OF CURB
BOP	BEGINNING OF PROJECT
BOT.	BOTTOM
B.S.	BOTTOM OF SLOPE
C&G	CURB & GUTTER
CAL.	CALIPER
C.B.	CATCH BASIN
C.F.	CUBIC FEET
C.J.	CONTROL JOINT
CLR.	CLEAR
CMP	CORRUGATED METAL PIPE
CMU	CONCRETE MASONRY UNIT
CONC.	CONCRETE
CONST.	CONSTRUCTION
CONT.	CONTINUOUS
COORD.	COORDINATE
C.Y.	CUBIC YARDS
DET.	DETAIL
D.I.	DRAIN INLET
DIA.	DIAMETER
D.I.	DUCTILE IRON
D.I.P.	DUCTILE IRON PIPE
DS	DOWNSTREAM
DWG.	DRAWING
E	EAST
EA.	EACH
E.J.	EXPANSION JOINT
EL.	ELEVATION
EOP	END OF PROJECT
EP	EDGE OF PAVEMENT
EQ.	EQUAL
EX., EXIST.	EXISTING
EXP.	EXPOSED
FDR	FULL DEPTH RECLAMATION
FF.	FINISH FLOOR
F.G.	FINISHED GRADE
F.H.	FIRE HYDRANT
FIN.	FINISH
FO	FIBEROPTIC
FIPT	FEMALE IRON PIPE THREAD
F.O.C.	FACE OF CURB
FT.	FOOT OR FEET
FTG.	FOOTING
GA.	GAUGE
GAL.	GALLON
GALV.	GALVANIZED
H.B.	HOSE BIB
H/C, H.C.	HANDICAP
HDR.	HEADER
HORIZ.	HORIZONTAL
H.P.	HIGH POINT
HT.	HEIGHT
I.D.	INSIDE DIAMETER
I.E.	INVERT ELEVATION
IN.	INCHES
INT	INTERCONNECT
JT.	JOINT
L.A.	LANDSCAPE ARCHITECT
L.F.	LINEAR FEET
L.P.	LOW POINT, LIGHT POLE
LT.	LIGHT
LHT	LIGHTING
MAX.	MAXIMUM
MB	MAILBOX
MED.	MEDIUM
MEMB.	MEMBRANE
MET.	METAL
MFR.	MANUFACTURER
MH.	MANHOLE
MG	MATCH GRADE
MIN.	MINIMUM
MIPT	MALE IRON PIPE THREAD
MISC.	MISCELLANEOUS
N	NORTH
N.I.C.	NOT IN CONTRACT
NO.	NUMBER
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
OPP.	OPPOSITE
P	PARKING
P.A.	PLANTING AREA
PAT.	PATTERN
P.C.	POINT OF CURVATURE
P.O.B.	POINT OF BEGINNING
P.O.C.	POINT OF CONNECTION
P.S.	PIPE SLEEVE
P.T.	POINT OF TANGENCY
PUD	POWER
P.V.C.	POLYVINYL CHLORIDE PIPE
R	RISER
R, RAD.	RADIUS
RIM	RIM ELEVATION
REINF.	REINFORCED, REINFORCING
REQD.	REQUIRED
R.O.W., R/W	RIGHT OF WAY
S	SOUTH
SS	SANITARY SEWER
S.F.	SQUARE FEET
SHT.	SHEET
SLV.	SLEEVE
SPA.	SPACES
SPECS.	SPECIFICATIONS
SQ.	SQUARE
STL.	STEEL
STM	STORM SEWER
T	TREAD
T.C., TC	TOP OF CURB
T.J.	TOOLED JOINT
T.S.	TOP OF SLOPE
T.W.	TOP OF WALL
TEL	TELEPHONE
TV	CABLE TELEVISION
TS	TRAFFIC SIGNAL CONDUIT
TSFO	TRAFFIC SIGNAL CONDUIT FIBEROPTIC
US	UPSTREAM
VERT.	VERTICAL
W	WEST, WATER
W/	WITH
W/O	WITHOUT
WPF.	WATERPROOF
W.W.M.	WELDED WIRE MESH

FILE NAME&PATH: K:\ENGINEERING\PROJECTS\FY-19\19-015 - WILKINSON DR IMP PROJ\PS&E\CADD\SHEETS\002 LEGEND.DWG

CITY OF PRESCOTT PUBLIC WORKS

DATE 03/30/2020

SHEET NO. 2 OF 19

LEGEND

WILKINSON DRIVE PAVEMENT IMPROVEMENTS

CITY OF PRESCOTT Everybody's Hometown

PREPARED BY DJC/BRF | CHECKED BY AMS | FOR: COP

Registered Professional Engineer (Civil) CERTIFICATE NO. 49652 ARIZONA, U.S.A. STEWART Date Signed 03/30/20

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)

NO.	BY	DATE	REVISIONS	APPRV	DATE
				CITY	

ENGINEER

CIP #: 19-015

REVIEW:

QUAD CITY STANDARD DETAIL — GENERAL NOTES (DETAIL No. 101P, REVISED: X/17)

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-STAKEIT) 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 THEREOF. 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 QUAD CITY DETAIL 420Q. WATER TESTING CHLORINATION/DISINFECTING OF MAIN LINE AND SERVICES, PRESSURE TESTING, TRACE WIRE TESTING AND VERIFICATION OF VALVE BOXES CONFORMING TO QUAD CITY DETAIL 391Q.
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 4000 PSI CLASS "AA" 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 ½" 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 6" 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 TEMPORARY 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.

QUAD CITY STANDARD DETAIL	GENERAL NOTES	REVISED: X/17	DETAIL No. 101P

QUAD CITY STANDARD DETAIL — WATER PLAN GENERAL NOTES (DETAIL No. 103P, REVISED: X/17)

1. ALL WORK SHALL CONFORM TO MARICOPA ASSOCIATION OF GOVERNMENTS (MAG), CITY OF PRESCOTT (COP), AND QUAD CITY (QC) CONSTRUCTION STANDARDS & SPECIFICATIONS AND DETAILS.
2. ALL WORK SHALL CONFORM TO ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY (ADEQ) REQUIREMENTS. IF ADEQ CONFLICTS WITH THE CONTRACT DOCUMENTS, THE MORE STRINGENT REQUIREMENTS SHALL APPLY.
3. CONTRACTOR SHALL NOTIFY 'ARIZONA 811' AT (602-659-7500) AT LEAST 48 HOURS (2 WORKING DAYS) PRIOR TO START OF CONSTRUCTION.
4. CONTRACTOR SHALL NOTIFY PROJECT ENGINEER AT LEAST 72 HOURS (3 WORKING DAYS) PRIOR TO START OF CONSTRUCTION TO SCHEDULE CONSTRUCTION CONTROL STAKING.
5. CONTRACTOR SHALL NOTIFY CITY ENGINEER AT LEAST 72 HOURS (3 WORKING DAYS) PRIOR TO START OF CONSTRUCTION TO SCHEDULE CONSTRUCTION INSPECTION. PRIVATE DEVELOPMENTS SHALL PROVIDE FOR INDEPENDENT 3RD PARTY INSPECTIONS. 3RD PARTY INSPECTIONS SHALL NOTIFY CITY ENGINEER AT LEAST 48 HOURS (2 WORKING DAYS) PRIOR TO START OF CONSTRUCTION.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING TRAFFIC CONTROL PLANS PRIOR TO START OF CONSTRUCTION AND SHALL NOT BEGIN ANY CONSTRUCTION WITHIN THE RIGHT-OF-WAY UNTIL THE TRAFFIC CONTROL PLANS HAVE BEEN APPROVED BY THE CITY.
7. WATER MAIN TAPS, SERVICE TAPS, SHUTDOWN REQUESTS, AND METER REQUESTS MUST BE INITIATED WITH THE CITY INSPECTOR IN ACCORDANCE WITH CITY STANDARD OPERATING PROCEDURES. WATER SERVICE INTERRUPTION NOTICES SHALL BE GIVEN TO AFFECTED RESIDENTS BY THE CONTRACTOR AT HIS EXPENSE. ADVANCE NOTIFICATION REQUIREMENTS MUST BE APPROVED BY WATER OPERATIONS PRIOR TO SCHEDULING A SHUTDOWN.
8. OPERATION OF VALVES SHALL BE DONE BY CITY PERSONNEL ONLY.
9. QUANTITIES SHOWN ON PLANS HAVE NOT BEEN VERIFIED BY THE CITY. CONTRACTOR SHALL VERIFY ALL QUANTITIES & MAKE HIS BID BASED UPON THOSE VERIFICATIONS. IF A QUANTITY DISCREPANCY IS FOUND, THE CONTRACTOR SHALL NOTIFY THE CITY IMMEDIATELY.
10. ALL PLANS SIGNED BY THE CITY ARE NULL & VOID ONE YEAR FROM DATE OF SIGNATURE IF CONSTRUCTION HAS NOT STARTED AND/OR IS NOT ACTIVELY PROGRESSING.
11. ALL REVISIONS TO ORIGINAL PLANS MUST BE APPROVED BY THE CITY PRIOR TO CONSTRUCTION. ANY UNAPPROVED REVISIONS ARE SUBJECT TO REMOVAL & REPLACEMENT AT CONTRACTOR'S EXPENSE.
12. ALL WORK & MATERIALS WHICH DO NOT CONFORM TO THE CONTRACT DOCUMENTS ARE SUBJECT TO REMOVAL & REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
13. ANY WORK PERFORMED WITHOUT THE KNOWLEDGE OF THE CITY INSPECTOR OR HIS REPRESENTATIVE IS SUBJECT TO REMOVAL & REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
14. THE CONTRACTOR SHALL PROVIDE SUFFICIENT MEN, EQUIPMENT, & MATERIAL ON THE JOB AT ALL TIMES DURING CONSTRUCTION TO COMPLY WITH CONTRACT DOCUMENTS & TO COMPLETE THE WORK IN ACCORDANCE WITH CONTRACT LIMITS.
15. THE CONTRACTOR SHALL UNCOVER ALL EXISTING LINES BEING TIED INTO AND VERIFY GRADES, MATERIAL, SIZE & ELEVATIONS BEFORE COMMENCING CONSTRUCTION & ORDERING MATERIALS.
16. THE CONTRACTOR SHALL LOCATE ALL UNDERGROUND PIPELINES, TELEPHONE & ELECTRICAL CONDUITS & STRUCTURES IN ADVANCE OF ANY CONSTRUCTION & MUST OBSERVE ALL POSSIBLE PRECAUTIONS TO AVOID ANY DAMAGE TO THE UTILITY. THE ENGINEER &/OR OWNER WILL NOT GUARANTEE ANY LOCATIONS AS SHOWN ON THESE PLANS, OR THOSE OMITTED FROM SAME.
17. WATER-SEWER SEPARATION SHALL BE PURSUANT TO ARIZONA ADMINISTRATIVE CODE (AAC) R-18-5-502C.
18. ALL MATERIALS & PRODUCTS THAT COME INTO CONTACT WITH DRINKING WATER OR DRINKING WATER TREATMENT CHEMICALS MUST COMPLY WITH AAC AND NSF/ANSI STANDARD 61.
19. ALL TRENCHES & BEDDING SHALL BE PER QC STANDARD DETAIL 200Q & CONTRACT DOCUMENTS.
20. WATER LINES SHALL BE INSTALLED WITH MECHANICAL RESTRAINTS WHERE JOINT RESTRAINTS ARE INDICATED BY CONTRACT DOCUMENTS.
21. ALL WATER LINES & APPURTENANCES SHALL BE EQUIPPED WITH TRACER WIRE PER CITY STANDARDS.
22. ALL PIPELINE CONSTRUCTION SHALL BE PLUGGED DAILY WITH A MECHANICAL OR PNEUMATIC PLUG AT THE END OF THE WORK DAY. THE PLUG SHALL BE ADVANCED DURING THE DAYS WORK PROGRESS TO REMAIN WITHIN A REASONABLE DISTANCE AND TO BE USED IN THE EVENT OF TRENCH FLOODING TO MINIMIZE INFLOW OF DEBRIS INTO THE NEW SYSTEM.
23. IF FLOODING OF PIPELINE OCCURS ALL CONSTRUCTION SHALL CEASE UNTIL THE MAIN IS FLUSHED TO THE SATISFACTION OF THE CITY.
24. THE USE OF POLYETHYLENE PROTECTIVE WRAPPING 'POLYWRAP' SHALL BE PROHIBITED UNLESS OTHERWISE NOTED IN THE CONTRACT DOCUMENTS. POLYWRAP, WHERE SPECIFIED, SHALL BE IN ACCORDANCE WITH MAG SECTION 610.6, 'POLYETHYLENE CORROSION PROTECTION'.
25. 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.
26. ALL WATER LINES SHALL BE SUBJECT TO A PRESSURE & LEAKAGE TEST IN ACCORDANCE WITH CONTRACT DOCUMENTS OR AWWA STANDARDS.
27. PRESSURE & LEAKAGE TESTS SHALL NOT BE PERFORMED AGAINST AN EXISTING SYSTEM VALVE.
28. WATER MAINS SHALL BE DISINFECTED IN ACCORDANCE WITH ADEQ ENGINEERING BULLETIN NO. 8 'DISINFECTION OF WATER SYSTEMS'.
29. WATER MAINS SHALL BE FLUSHED AT A MINIMUM OF 3FT/SEC IN ACCORDANCE WITH AWWA C-605, SECTION 10 FOR ALL WATER MAIN MATERIALS.
30. ACCEPTANCE OF THE COMPLETED WORK WILL NOT BE GIVEN UNTIL 'AS-BUILT' PLANS ON CITY OF PRESCOTT SURVEY DATUM & COORDINATES HAVE BEEN SUBMITTED IN ACCORDANCE WITH CITY STANDARDS AND APPROVED BY THE CITY.

QUAD CITY STANDARD DETAIL	WATER PLAN GENERAL NOTES	REVISED: X/17	DETAIL No. 103P

QUAD CITY STANDARD DETAIL — WASTEWATER PLAN GENERAL NOTES (DETAIL No. 104P, REVISED: X/17)

1. ALL WORK SHALL CONFORM TO MARICOPA ASSOCIATION OF GOVERNMENTS (MAG), CITY OF PRESCOTT (COP), AND QUAD CITY (QC) CONSTRUCTION STANDARDS & SPECIFICATIONS AND DETAILS.
2. ALL WORK SHALL CONFORM TO ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY (ADEQ) REQUIREMENTS. IF ADEQ CONFLICTS WITH THE CONTRACT DOCUMENTS, THE MORE STRINGENT REQUIREMENTS SHALL APPLY. MORE SPECIFICALLY WHERE THEY PERTAIN TO MAXIMUM ALLOWABLE SEWER LINE/PRESSURE SEWER LINE EXFILTRATION-INFILTRATION RATES.
3. CONTRACTOR SHALL NOTIFY 'ARIZONA 811' AT (602-659-7500) AT LEAST 48 HOURS (2 WORKING DAYS) PRIOR TO START OF CONSTRUCTION.
4. CONTRACTOR SHALL NOTIFY PROJECT ENGINEER AT LEAST 72 HOURS (3 WORKING DAYS) PRIOR TO START OF CONSTRUCTION TO SCHEDULE CONSTRUCTION CONTROL STAKING.
5. CONTRACTOR SHALL NOTIFY CITY ENGINEER AT LEAST 72 HOURS (3 WORKING DAYS) PRIOR TO START OF CONSTRUCTION TO SCHEDULE CONSTRUCTION INSPECTION. PRIVATE DEVELOPMENTS SHALL PROVIDE FOR INDEPENDENT 3RD PARTY INSPECTIONS. 3RD PARTY INSPECTIONS SHALL NOTIFY CITY ENGINEER AT LEAST 48 HOURS (2 WORKING DAYS) PRIOR TO START OF CONSTRUCTION.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING TRAFFIC CONTROL PLANS PRIOR TO START OF CONSTRUCTION AND SHALL NOT BEGIN ANY CONSTRUCTION WITHIN THE RIGHT-OF-WAY UNTIL THE TRAFFIC CONTROL PLANS HAVE BEEN APPROVED BY THE CITY.
7. SEWER SERVICE TAPS, GRAVITY BYPASS PUMPING, FORCE MAIN SHUTDOWN REQUESTS, AND OTHER OPERATIONAL REQUESTS MUST BE INITIATED WITH THE CITY INSPECTOR IN ACCORDANCE WITH CITY STANDARD OPERATING PROCEDURES. ADVANCE NOTIFICATION REQUIREMENTS MUST BE APPROVED BY WASTEWATER OPERATIONS PRIOR TO SCHEDULING A SHUTDOWN.
8. QUANTITIES SHOWN ON PLAN HAVE NOT BEEN VERIFIED BY THE CITY. CONTRACTOR SHALL VERIFY ALL QUANTITIES & MAKE HIS BID BASED UPON THOSE VERIFICATIONS. IF ANY DISCREPANCY IN QUANTITIES IS FOUND, THE CONTRACTOR SHALL NOTIFY THE CITY IMMEDIATELY.
9. ALL PLANS SIGNED BY THE CITY ARE NULL & VOID ONE YEAR FROM DATE OF SIGNATURE IF CONSTRUCTION HAS NOT STARTED AND/OR IS NOT ACTIVELY PROGRESSING.
10. ALL REVISIONS TO ORIGINAL PLANS MUST BE APPROVED BY THE CITY PRIOR TO CONSTRUCTION. ANY UNAPPROVED REVISIONS ARE SUBJECT TO REMOVAL & REPLACEMENT AT CONTRACTOR'S EXPENSE.
11. ALL WORK & MATERIALS WHICH DO NOT CONFORM TO THE CONTRACT DOCUMENTS ARE SUBJECT TO REMOVAL & REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
12. ANY WORK PERFORMED WITHOUT THE KNOWLEDGE OF THE CITY INSPECTOR OR HIS REPRESENTATIVE IS SUBJECT TO REMOVAL & REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
13. THE CONTRACTOR SHALL PROVIDE SUFFICIENT MEN, EQUIPMENT, & MATERIAL ON THE JOB AT ALL TIMES DURING CONSTRUCTION TO COMPLY WITH CONTRACT DOCUMENTS & TO COMPLETE THE WORK IN ACCORDANCE WITH CONTRACT LIMITS.
14. THE CONTRACTOR SHALL UNCOVER ALL EXISTING LINES BEING TIED INTO AND VERIFY GRADES, MATERIAL, SIZE & ELEVATIONS BEFORE COMMENCING CONSTRUCTION & ORDERING MATERIALS.
15. THE CONTRACTOR SHALL LOCATE ALL UNDERGROUND PIPELINES, TELEPHONE & ELECTRICAL CONDUITS & STRUCTURES IN ADVANCE OF ANY CONSTRUCTION & MUST OBSERVE ALL POSSIBLE PRECAUTIONS TO AVOID ANY DAMAGE TO THE UTILITY. THE ENGINEER &/OR OWNER WILL NOT GUARANTEE ANY LOCATIONS AS SHOWN ON THESE PLANS, OR THOSE OMITTED FROM SAME.
16. WATER-SEWER SEPARATION SHALL BE PURSUANT TO ARIZONA ADMINISTRATIVE CODE (AAC) R-18-5-502C.
17. ALL TRENCHES & BEDDING SHALL BE PER QC STANDARD DETAIL 200Q & CONTRACT DOCUMENTS.
18. ALL SEWER LINES & APPURTENANCES SHALL BE EQUIPPED WITH TRACER WIRE PER CITY STANDARDS.
19. ALL PIPELINE CONSTRUCTION SHALL BE PLUGGED DAILY WITH A MECHANICAL OR PNEUMATIC PLUG AT THE END OF THE WORK DAY. THE PLUG SHALL BE ADVANCED DURING THE DAYS WORK PROGRESS TO REMAIN WITHIN A REASONABLE DISTANCE AND TO BE USED IN THE EVENT OF TRENCH FLOODING TO MINIMIZE INFLOW OF DEBRIS INTO THE NEW SYSTEM.
20. MINIMUM COVER OVER EACH SEWER MAIN SHALL BE 7 FEET UNLESS OTHERWISE APPROVED BY THE CITY.
21. 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.
22. SEWER LINE LOW PRESSURE AIR TESTS SHALL BE DONE ON 100% OF ALL LINES AFTER PLACEMENT OF BACKFILL TO PAVEMENT SUBGRADE. TEST EACH SEGMENT OF THE SEWER LINE FOR LEAKAGE USING THE APPLICABLE METHOD BELOW AND RECORD THE RESULTS: "STANDARD TEST METHOD FOR INSTALLATION OF ACCEPTANCE OF PLASTIC GRAVITY SEWER LINES USING LOW-PRESSURE AIR, F1417-92(1998)" PUBLISHED BY THE AMERICAN SOCIETY FOR TESTING AND MATERIALS.
23. SEWER LINE DEFLECTION TESTS WITH AN APPROPRIATELY SIZED MANDREL SHALL BE DONE ON 100% OF ALL NON-RIGID PIPE LINES NO SOONER THAN 30 DAYS AFTER INSTALLATION AND BACKFILL.
24. THE CONTRACTOR SHALL PERFORM A VISUAL INSPECTION OF ALL SEWER MAINS AND LATERALS INSTALLED WITHIN THE CITY'S COLLECTION SYSTEM UTILIZING A SEWER CCTV SYSTEM AFTER COMPLETE BACKFILL AND COMPACTION BUT BEFORE INSTALLING ANY PORTION OF THE PAVEMENT STRUCTURAL SECTION PER CITY CCTV REQUIREMENTS. THE INSPECTION SHALL COMPLY WITH THE CITY'S VIDEO ACCEPTANCE PROCEDURE. THE CONTRACTOR SHALL PROVIDE 72 HOURS ADVANCE NOTICE TO WASTEWATER OPERATIONS. CITY STAFF MUST BE PRESENT DURING THE VIDEO OPERATION AND THE CONTRACTOR SHALL PROVIDE THE CITY A VIDEO DVD AND HARD COPY OF THE INSPECTION REPORT UPON COMPLETION.
25. SEWER MANHOLES EXFILTRATION TESTS SHALL BE DONE ON 100% OF ALL MANHOLES. VACUUM TESTING IN ACCORDANCE WITH CITY STANDARDS MAY BE USED IN LIEU OF EXFILTRATION TEST. THE CONTRACTOR SHALL TEST EACH MANHOLE USING ONE OF THE FOLLOWING TEST PROTOCOLS:
   a. NEGATIVE AIR PRESSURE TESTING USING THE "STANDARD TEST METHOD FOR CONCRETE SEWER MANHOLES BY NEGATIVE AIR PRESSURE" (VACUUM) TEST, C1244-02E1(2002), PUBLISHED BY THE AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM). THIS MATERIAL IS INCORPORATED BY REFERENCE & DOES NOT INCLUDE ANY LATER AMENDMENTS OR EDITIONS OF THE INCORPORATED MATERIAL, & MAY BE VIEWED AT ADEQ, OR OBTAINED FROM THE ASTM, 100 BAR HARBOR DRIVE, WEST CONSHOHOCKEN, PA.19428-2959.
   b. 'WATERTIGHTNESS TESTING' BY FILLING THE MANHOLE WITH WATER. THE CONTRACTOR SHALL ENSURE THAT THE DROP IN WATER LEVEL FOLLOWING PRESOAKING DOES NOT EXCEED 0.00034 OF THE TOTAL MANHOLE VOLUME PER HOUR.
26. SEWER FORCE MAIN LINES SHALL BE DESIGNED AND CONSTRUCTED OF A MATERIAL SUITABLE FOR SANITARY SEWER PRESSURE PIPE AS APPROVED BY THE CITY. SEWER LINES SHALL BE PRESSURE TESTED TO A MINIMUM OF 50 PSI ABOVE DESIGN WORKING PRESSURE AT THE LOWEST POINT IN THE SYSTEM FOR A MINIMUM OF 2 HOURS IN ACCORDANCE WITH AAC R18-9.
27. PRESSURE SEWER MAINS AND SERVICE LATERALS (LPS) SHALL BE SUBJECT TO A PRESSURE & LEAKAGE TEST IN ACCORDANCE WITH AWWA-C-600 STANDARD. TEST PRESSURE SHALL BE A MINIMUM OF 100 PSI, OR 50 PSI OVER WORKING PRESSURE, WHICHEVER IS GREATER. TESTING SHALL BE DONE AFTER BACKFILL TO SUBGRADE.
28. ACCEPTANCE OF THE COMPLETED WORK WILL NOT BE GIVEN UNTIL 'AS-BUILT' PLANS ON CITY OF PRESCOTT SURVEY DATUM & COORDINATES HAVE BEEN SUBMITTED IN ACCORDANCE WITH CITY STANDARDS AND APPROVED BY THE CITY.

QUAD CITY STANDARD DETAIL	WASTEWATER PLAN GENERAL NOTES	REVISED: X/17	DETAIL No. 104P

QUAD CITY STANDARD DETAIL — GRADING AND DRAINAGE NOTES (DETAIL No. 105P-1, REVISED: X/17)

1. ALL GRADING SHALL CONFORM TO THE CURRENT CITY ADOPTED EDITION OF THE INTERNATIONAL BUILDING CODE, AND CITY OF PRESCOTT LAND DEVELOPMENT CODE (REFERENCE CITY OF PRESCOTT STANDARD SECTIONS).
2. ALL PROVISIONS OF THE PRELIMINARY SOILS REPORT PREPARED BY __TERRACON____, DATED __02/28/2020_____ SHALL BE COMPLIED WITH DURING OPERATIONS.
3. THIS PLAN IS FOR GRADING PURPOSES ONLY. APPROVAL OF THIS PLAN DOES NOT CONSTITUTE APPROVAL OF DRIVEWAY LOCATIONS OR SIZES, PARKING LOT LAYOUT, SEWER AND WATER FACILITIES, BUILDING LOCATIONS, OFF-SITE DRAINAGE FACILITIES OR OTHER ITEMS NOT RELATED DIRECTLY TO THE BASIC GRADING OPERATION.
4. CERTIFICATION FROM THE REGISTERED CIVIL ENGINEER AND SOILS/GEOLOGICAL ENGINEER STATING THAT THE ROUGH GRADING HAS BEEN COMPLETED PER THE APPROVED PLAN, AND A COMPACTION REPORT FROM THE SOILS ENGINEER ON ANY FILL AREAS THAT ARE REQUIRED SHALL BE PROVIDED PRIOR TO BUILDING PERMITS BEING ISSUED.
5. PARTIES NAMED ON ADEQ'S NOTICE OF INTENT (N.O.I.) ARE RESPONSIBLE FOR EROSION, DUST, MUD, SILT, DEBRIS, AND TEMPORARY DRAINAGE CONTROL DURING GRADING OPERATIONS AND MAY BE REQUIRED TO PROVIDE A SWPPP.
6. ANY ON-SITE RETAINING WALLS WILL REQUIRE APPROVAL AS PART OF THESE PLANS. ANY NECESSARY RETAINING WALLS ON THE PERIMETER OF THIS SITE MAY BE REQUIRED TO BE IN PLACE AND APPROVED BY THE CITY BUILDING DEPARTMENT PRIOR TO THE START OF GRADING. A SEPARATE PLAN WITH REQUIRED STRUCTURAL CALCULATIONS MAY BE REQUESTED FOR RETAINING WALLS.
7. ANY INFRASTRUCTURE CONSTRUCTED IN THE PUBLIC RIGHT OF WAY WILL REQUIRE SEPARATE PLAN APPROVAL AND INSPECTION FROM THE CITY ENGINEER.
8. ANY WALLS, FENCES, STRUCTURES AND/OR APPURTENANCES ADJACENT TO THIS PROJECT SHALL BE PROTECTED IN PLACE. IF GRADING OPERATIONS DAMAGE OR ADVERSELY AFFECT SAID ITEMS IN ANY WAY, THE CONTRACTOR AND/OR DEVELOPER IS RESPONSIBLE FOR WORKING OUT AN ACCEPTABLE SOLUTION TO THE SATISFACTION OF THE AFFECTED PROPERTY OWNER(S).
9. THE CONTRACTOR/DEVELOPER IS RESPONSIBLE FOR ENSURING THAT RETAINING WALLS DO NOT INTERFERE WITH PROVISION OF UTILITIES. WALLS MUST BE CONSTRUCTED ON SITE AND OUTSIDE OF THE RIGHT OF WAY. THIS SHALL INCLUDE THE FOOTINGS.
10. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT COMPACTION HAS BEEN ATTAINED ON THE ENTIRE GRADING SITE IN ACCORDANCE WITH THE GENERAL ENGINEERING PLAN, INCLUDING FILL AREAS OUTSIDE THE BUILDING PADS AND ON ALL FILL SLOPES, AND SHALL BE CERTIFIED BY THE SOIL'S ENGINEER.
11. CITY APPROVAL OF PLANS DOES NOT RELIEVE THE DEVELOPER FROM THE RESPONSIBILITY FOR CORRECTION OR ERROR OR OMISSION DISCOVERED DURING CONSTRUCTION. UPON REQUEST, THE REQUIRED PLAN REVISIONS SHALL BE PROMPTLY SUBMITTED TO THE CITY ENGINEER FOR APPROVAL.
12. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CALL THE CITY ENGINEER'S OFFICE AT (928) 777-1140 FOR ANY REQUIRED CIVIL INSPECTION 24 HOURS PRIOR TO PERFORMING ANY WORK. WORK PERFORMED WITHOUT CALLING FOR INSPECTION MAY BE REJECTED AND, IF REJECTED, SHALL BE REMOVED SOLELY AT THE CONTRACTOR'S EXPENSE.
13. NO GRADING SHALL COMMENCE WITHOUT OBTAINING A GRADING PERMIT AND NOTIFYING THE CITY OF PRESCOTT OR DEVELOPER'S GRADING INSPECTOR TO SCHEDULE A PREGRADING MEETING TWO WORKING DAYS PRIOR TO THE START OF WORK.
14. PRIOR TO THE START OF GRADING ALL SWPPP MEASURES SHALL BE IN PLACE, ALL DEBRIS, INCLUDING EXISTING STRUCTURES, FOOTINGS, FOUNDATIONS AND RUBBLE SHALL BE REMOVED FROM THE SITE TO THE SATISFACTION OF THE SOILS ENGINEER.
15. AFTER REMOVAL OF DEBRIS, ANY EXISTING FILL OR DISTURBED NATURAL SOILS SHALL BE EXCAVATED TO THE SATISFACTION OF THE SOILS ENGINEER.
16. THE EXPOSED SOILS SHALL THEN BE INSPECTED BY THE SOILS ENGINEER, AND ANY ADDITIONAL OVER-EXCAVATION SHALL THEN BE MADE IN ACCORDANCE WITH THE SOILS ENGINEER'S RECOMMENDATIONS AND AS CONTAINED IN THE SOIL'S REPORT.
17. THE EXPOSED SOILS SHALL THEN BE SCARIFIED TO PROVIDE A BOND WITH NEW FILL, BROUGHT TO PROPER MOISTURE CONTENT AND COMPACTED TO AT LEAST 90% OF THE MAXIMUM DENSITY, AS DETERMINED BY ASTM D1557-78 OR EQUIVALENT COMPACTION SHALL BE OBTAINED BY METHODS SPECIFIED BY THE SOILS ENGINEER. ROAD PRISM SUBGRADE SHALL BE COMPACTED TO AT LEAST 95% STANDARD OR MODIFIED PER SOILS ENGINEER'S RECOMMENDATIONS.
18. THE SOILS AND DESIGN ENGINEER OF RECORD SHALL ALSO BE RESPONSIBLE TO INSPECT, VERIFY AND REPORT THAT PROPER COMPACTION HAS BEEN OBTAINED BY EARTHWORK CONTRACTOR OR SUBCONTRACTOR AND PRIVATE UTILITY FRANCHISES CONCERNING UTILITY LINE BACKFILL, TO INCLUDE ELECTRICAL, GAS, CABLE, FIBEROPTIC AND LANDSCAPE IRRIGATION LINES. ADDITIONALLY, WATER AND SEWER LINES TO BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH GENERAL ENGINEERING REQUIREMENTS SECTION AND DETAIL.
19. AN AS-GRADED GRADING PLAN AND THE CERTIFICATION OF COMPLIANCE FORMS FOR SAID GRADING PLAN WITH THE PROPER STAMPS AND SIGNATURES ARE TO BE SUBMITTED TO THE CITY ENGINEER PRIOR TO RELEASE OF GRADING BOND AND PRIOR TO FINAL GRADING INSPECTION. BUILDING PAD CERTIFICATION SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT WHEN REQUESTED.
20. NO FILL SHALL BE PLACED UNTIL STRIPPING OF VEGETATION, REMOVAL OF UNSUITABLE SOILS, AND INSTALLATION OF SUBDRAINS (IF ANY) HAVE BEEN INSPECTED AND APPROVED BY THE SOILS ENGINEER.
21. ENGINEER MUST SET GRADE STAKES FOR ALL DRAINAGE DEVICES AND OBTAIN INSPECTION BEFORE POURING.
22. GRADING SHALL NOT BE STARTED WITHOUT FIRST NOTIFYING CITY PUBLIC WORKS INSPECTION DEPARTMENT. A PRE-GRADING MEETING ON THE SITE IS REQUIRED BEFORE BEGINNING GRADING ACTIVITIES BY THE FOLLOWING PEOPLE PRESENT: OWNER, GRADING CONTRACTOR, DESIGN CIVIL ENGINEER, SOIL ENGINEER/GEOLOGIST, PUBLIC WORKS INSPECTOR, AND WHEN REQUIRED, THE ARCHAEOLOGIST AND PALEONTOLOGIST. THE REQUIRED INSPECTIONS FOR GRADING WILL BE EXPLAINED AT THE PRE-CONSTRUCTION MEETING.
23. ALL EXISTING FILLS SHALL BE APPROVED AND CERTIFIED BY THE SOILS ENGINEER OR REMOVED PRIOR TO PLACING ADDITIONAL FILLS.
24. ALL TRENCH BACKFILLS SHALL BE TESTED AND APPROVED BY THE SOIL ENGINEER.
25. THE COMPACTION REPORT AND APPROVAL FROM THE SOIL ENGINEER SHALL INDICATE THE TYPE OF FIELD TESTING PERFORMED. EACH TEST SHALL BE IDENTIFIED WITH THE METHOD OF OBTAINING THE IN-PLACE DENSITY, WHETHER SAND CONE OR NUCLEAR GAUGE, AND SHALL BE SO NOTED FOR EACH TEST.
26. EXPORT SOIL MUST BE TRANSPORTED TO A LEGAL DUMP OR TO A PERMITTED SITE SHOWN CLEARLY ON APPROVED PLANS.
27. ALL EXISTING DRAINAGE COURSES THROUGH THIS SITE SHALL REMAIN OPEN UNTIL FACILITIES TO HANDLE STORM WATER ARE APPROVED AND FUNCTIONAL; HOWEVER, IN ANY CASE, THE PERMITTEE SHALL BE HELD LIABLE FOR ANY DAMAGE DUE TO OBSTRUCTING NATURAL DRAINAGE PATTERNS.

QUAD CITY STANDARD DETAIL	GRADING AND DRAINAGE NOTES	REVISED: X/17	DETAIL No. 105P-1

CITY OF PRESCOTT PUBLIC WORKS

GENERAL NOTES

WILKINSON DRIVE PAVEMENT IMPROVEMENTS

DATE 03/30/2020

SHEET NO. 3 OF 19

CITY OF PRESCOTT — Everybody's Hometown

PREPARED BY: DJC/BRF | CHECKED BY: AMS | FOR: COP

Registered Professional Engineer (Civil) CERTIFICATE NO. 49952 ARIC M. STEWART, ARIZONA, U.S.A. Date Signed 03/30/2020

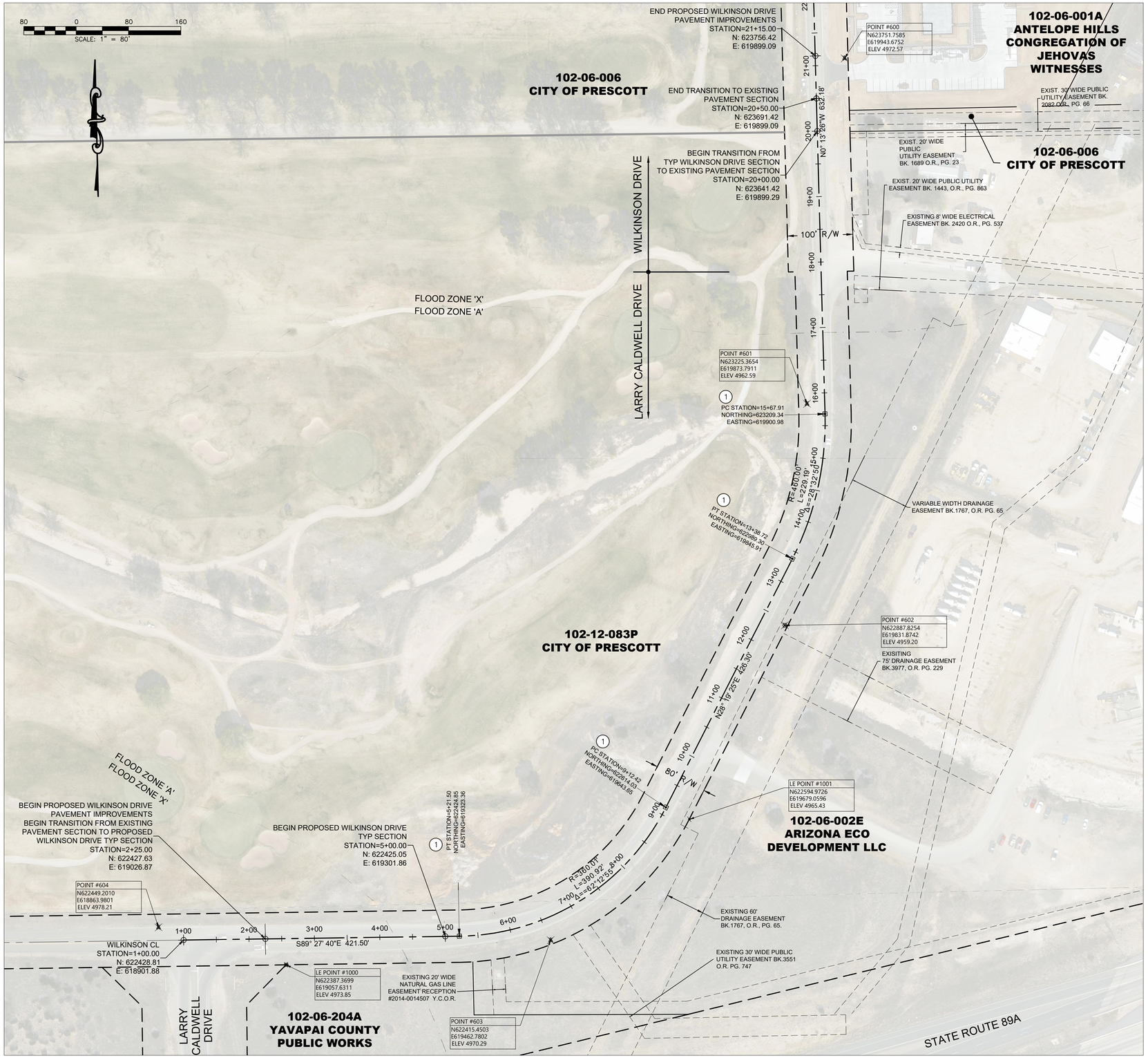
Call at least two full working days before you begin excavation. ARIZONA811 Arizona Blue Stake, Inc. Dial 8-1-1 or 1-800-STAKE-IT (782-5348)

NO.	BY	DATE	REVISIONS	APPRV	DATE

ENGINEER | CITY

REVIEW:

CIP #: 19-015



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

Point Table

	Point #	Northing	Easting	Elevation	DESCRIPTION
△	600	623751.76	619943.68	4972.57	SURVEY CONTROL POINT
△	601	623225.37	619873.79	4962.59	SURVEY CONTROL POINT
△	602	622887.83	619831.87	4959.20	SURVEY CONTROL POINT
△	603	622415.45	619462.78	4970.29	SURVEY CONTROL POINT
△	604	622449.20	618863.98	4978.21	SURVEY CONTROL POINT
▣	1000	622387.37	619057.63	4973.85	FOUND ADOT ALUMINUM CAP MONUMENT
○	1001	622594.97	619679.06	4965.43	FOUND ½" REBAR, NO TAG

CONSTRUCTION NOTES

#	DESCRIPTION
1	SURVEY MARKER PER QCSD 120Q, TYPE B

CITY OF PRESCOTT PUBLIC WORKS

GEOMETRIC CONTROL PLAN

DATE 03/30/2020 | SHEET NO. 4 OF 19

WILKINSON DRIVE PAVEMENT IMPROVEMENTS

CITY OF PRESCOTT — Everybody's Hometown

PREPARED BY DJC/BRF | CHECKED BY AMS | FOR: COP

Eric M. Stewart — Registered Professional Engineer (Civil) — CERTIFICATE NO. 49652 — ERIC M. STEWART — Date Signed 03/30/20 — ARIZONA, U.S.A.

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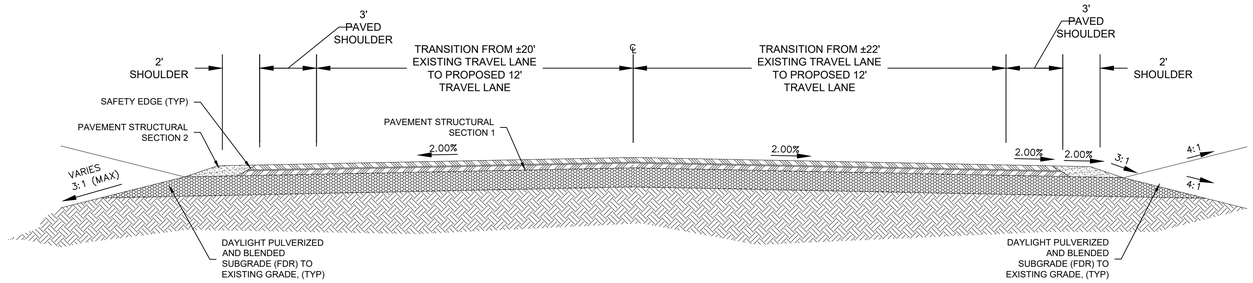
NO.	BY	DATE	REVISIONS	APPRV	DATE
				CITY	

ENGINEER

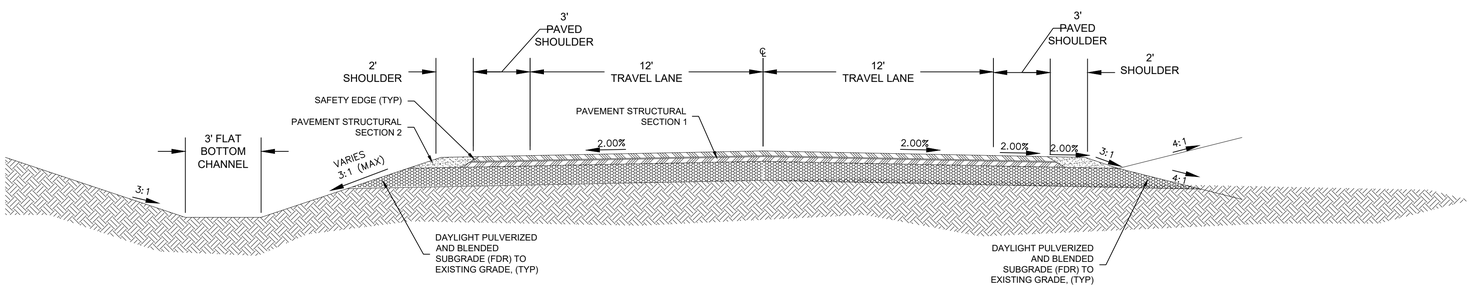
CIP #: 19-015

REVIEW:

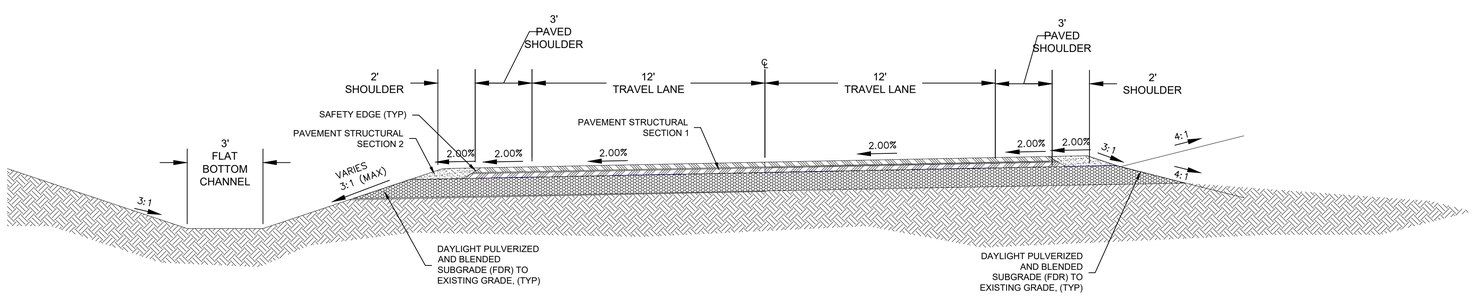
FILE NAME&PATH: K:\ENGINEERING\PROJECTS\FY-19\19-015 – WILKINSON DR IMP PROJ\PS&E\CADD\SHEETS\003 GEO CTRL-JAM.DWG



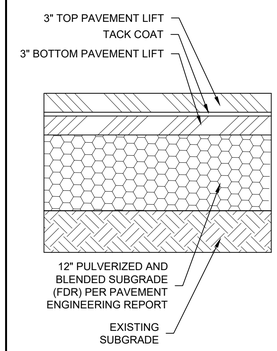
LARRY CALDWELL DRIVE
ROADWAY TRANSITION SECTION
STA 2+25 - 5+00



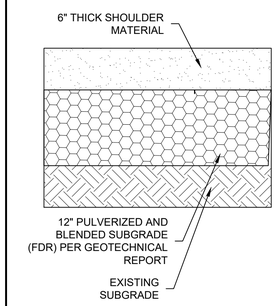
LARRY CALDWELL DRIVE/WILKINSON DRIVE
TYPICAL ROADWAY SECTION
STA 5+00 - 14+00
STA 17+00 - 20+50



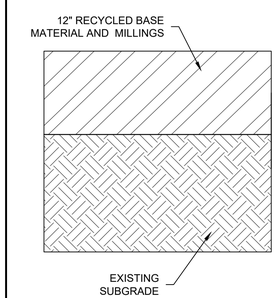
LARRY CALDWELL DRIVE/WILKINSON DRIVE
ROADWAY SECTION @ SUPERELEVATION
STA 14+00 - 16+00



STRUCTURAL SECTION 1
(TRAVEL LANE & PAVED SHOULDER)



STRUCTURAL SECTION 2
(SHOULDER)



STRUCTURAL SECTION 3
(TRUCK TURNOUT)

CITY OF PRESCOTT PUBLIC WORKS

DATE 03/30/2020

SHEET NO. 5 OF 19

TYPICAL SECTIONS

WILKINSON DRIVE PAVEMENT IMPROVEMENTS

CITY OF PRESCOTT
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Eric M. Stewart
Registered Professional Engineer (Civil)
CERTIFICATE NO. 49652
ERIC M. STEWART
Date Signed 03-30-20
ARIZONA, U.S.A.

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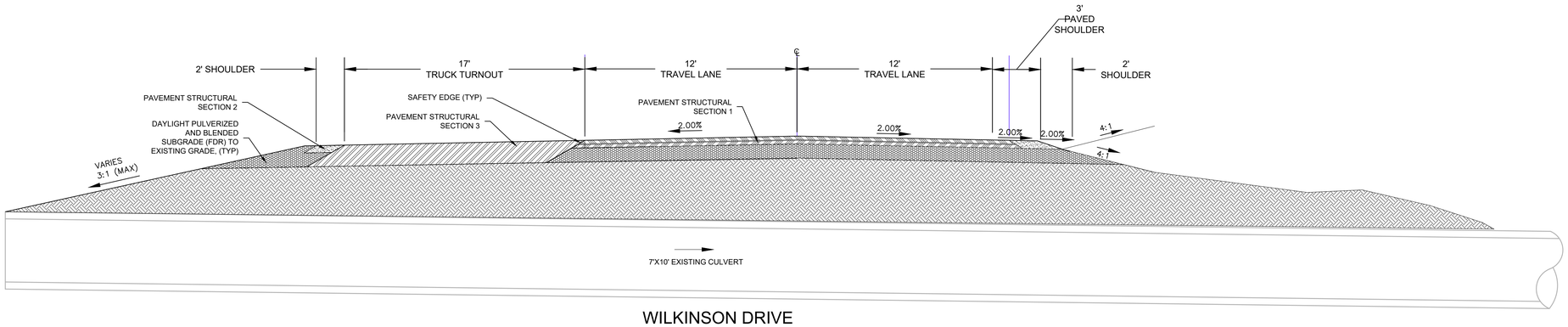
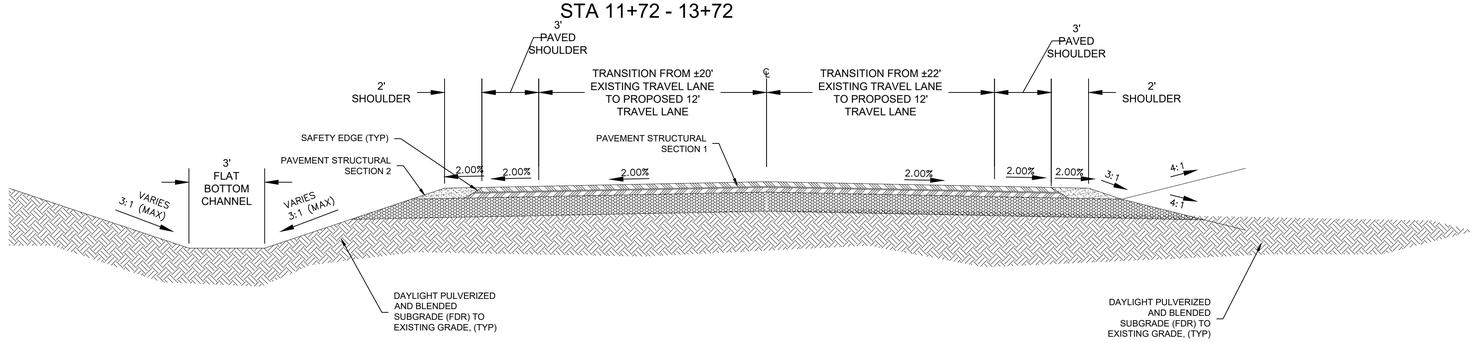
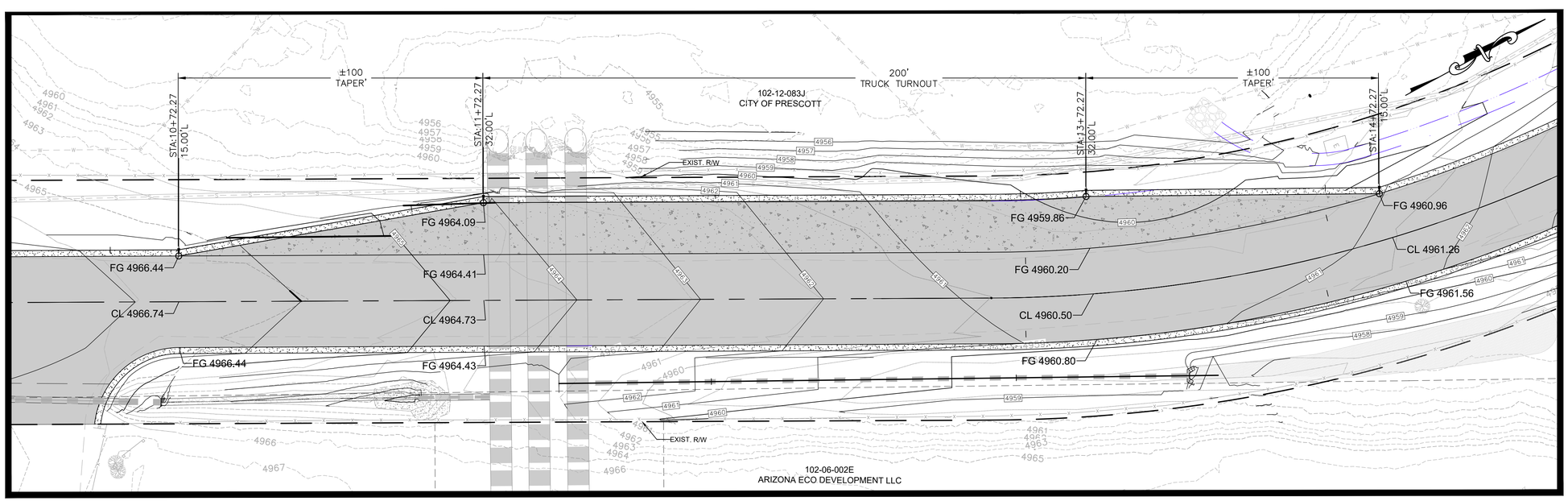


WILKINSON DRIVE
ROADWAY SECTION @ TRUCK TURNOUT
STA 11+72 - 13+72



WILKINSON DRIVE TYPICAL
ROADWAY TRANSITION SECTION
STA 20+50 - 21+15



ENLARGED PLAN – TRUCK TURNOUT
LAYOUT AND GRADING

20 0 20 40
SCALE: 1" = 20'

CITY OF PRESCOTT PUBLIC WORKS

DATE 03/30/2020

SHEET NO. 6 OF 19

TYPICAL SECTIONS

WILKINSON DRIVE PAVEMENT IMPROVEMENTS

CITY OF PRESCOTT
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REGISTERED PROFESSIONAL ENGINEER (Civil) CERTIFICATE NO. 49652 ANDREW M. STEWART Date Signed 03/30/20 ARIZONA, U.S.A.

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ENGINEER

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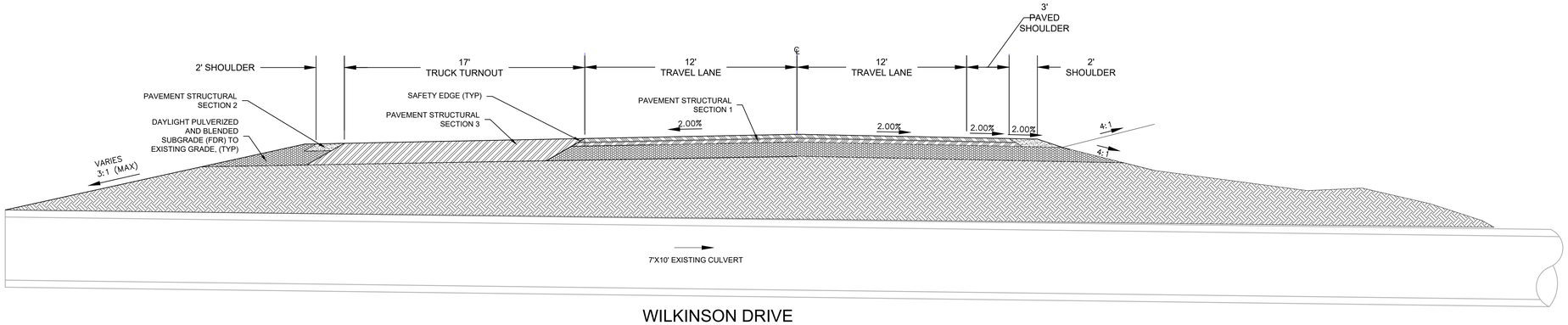
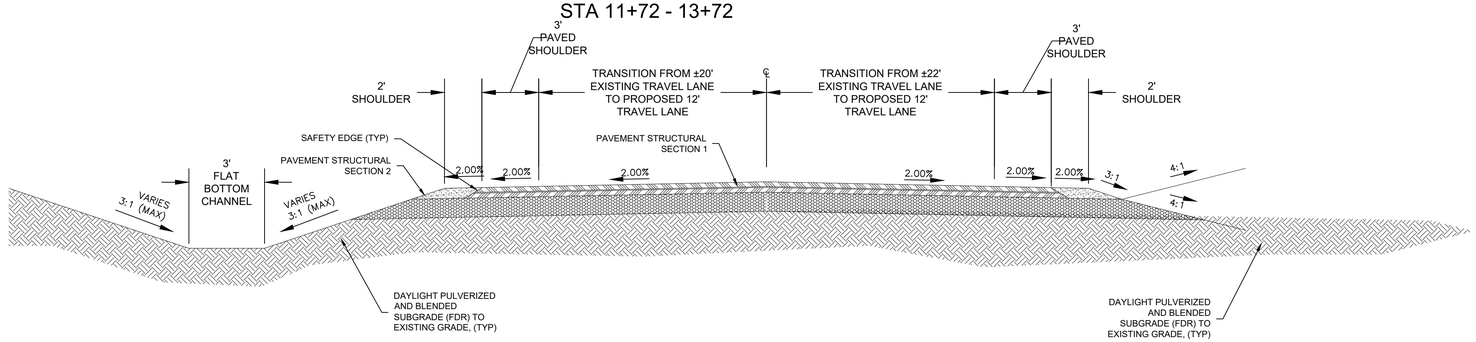
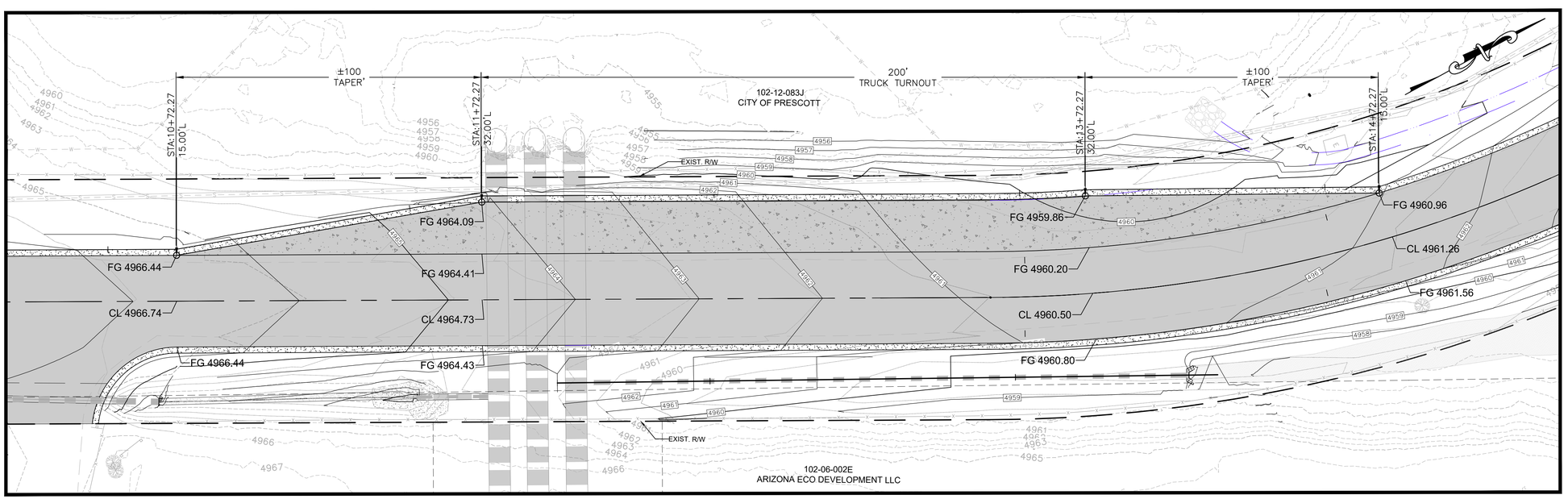


WILKINSON DRIVE
ROADWAY SECTION @ TRUCK TURNOUT
STA 11+72 - 13+72



WILKINSON DRIVE TYPICAL
ROADWAY TRANSITION SECTION
STA 20+50 - 21+15



ENLARGED PLAN – TRUCK TURNOUT
LAYOUT AND GRADING

20 0 20 40
SCALE: 1" = 20'

CITY OF PRESCOTT PUBLIC WORKS

DATE 03/30/2020

SHEET NO. 6 OF 19

TYPICAL SECTIONS

WILKINSON DRIVE PAVEMENT IMPROVEMENTS

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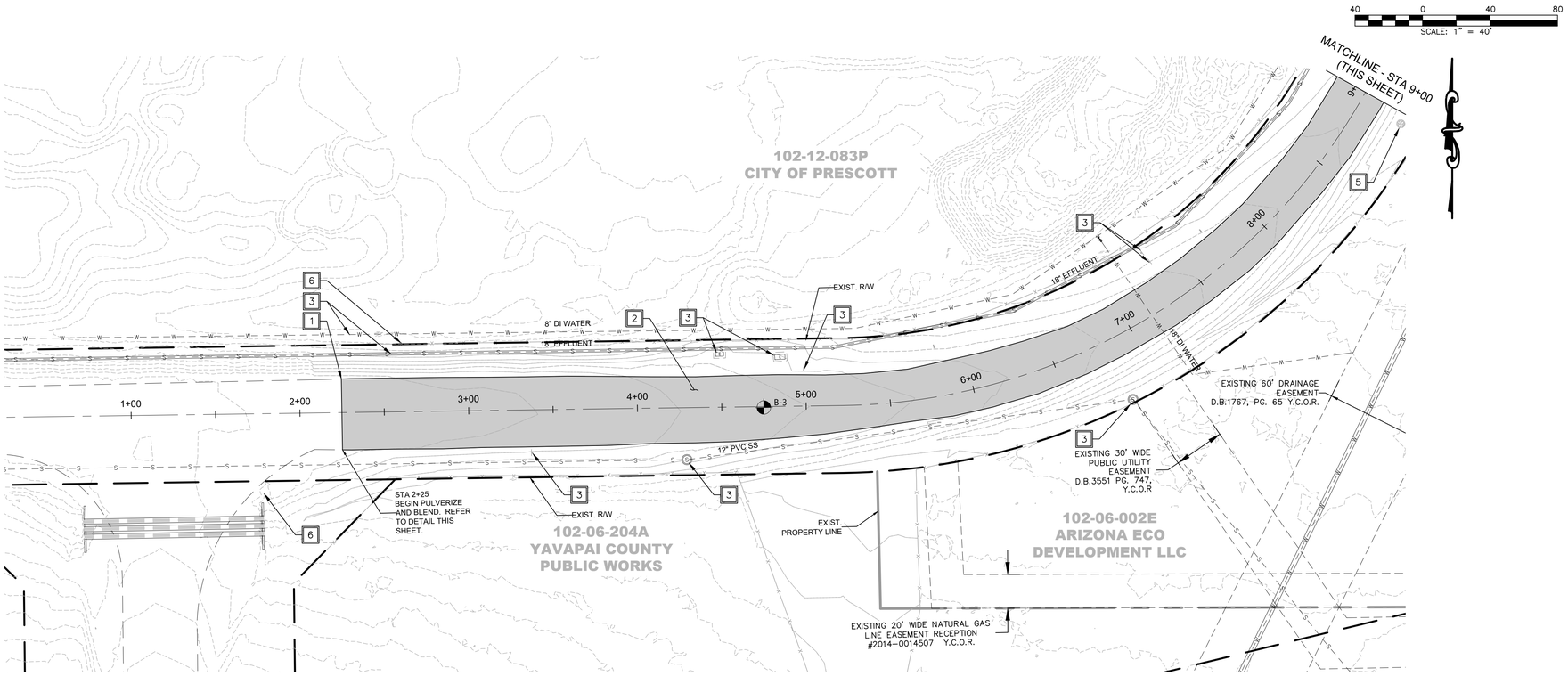

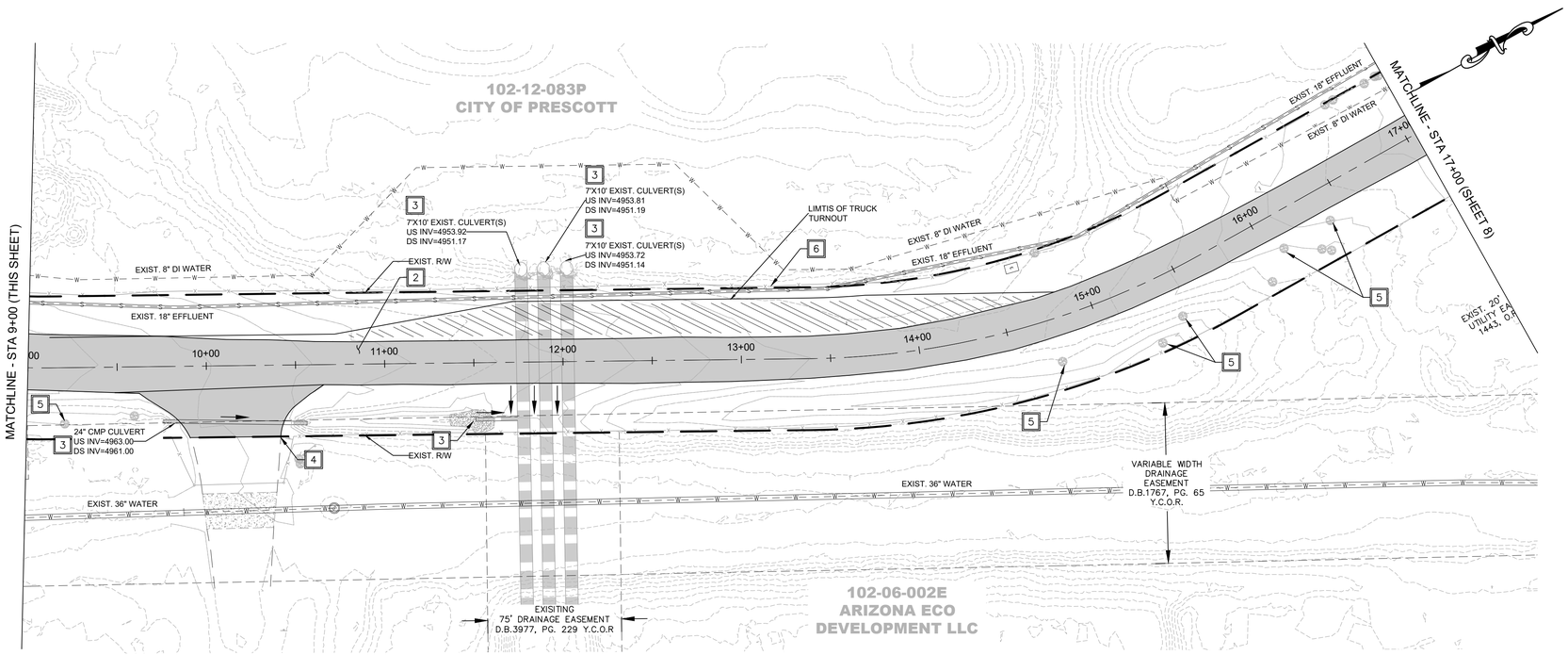

REMOVALS	
#	DESCRIPTION
1	SAWCUT PAVEMENT
2	PULVERIZE AND BLEND EXISTING PAVEMENT
3	PROTECT EXISTING IN PLACE
4	SAWCUT DRIVEWAY AT RIGHT-OF WAY
5	REMOVE EXISTING TREE
6	REMOVE/RESET EXISTING FENCE
7	REMOVE EXISTING SIGN
8	REMOVE/RELOCATE EXISTING WATER METER PER QCSD 316P

NOTES:

1. THIS PLAN IS COMPILED FROM AVAILABLE EXISTING INFORMATION, GIS, AND ON THE GROUND SURVEY. EXISTING HORIZONTAL AND VERTICAL LOCATION(S) OF THE EXISTING UTILITIES WERE NOT FIELD VERIFIED. IF INVERTS ARE NOT PROVIDED ON THE PLANS, THE CONTRACTOR SHALL POT HOLE EXISTING UTILITIES TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION PRIOR TO COMMENCING CONSTRUCTION.
2. CONTRACTOR SHALL NOTIFY CITY ENGINEER AND/OR PROPERTY OWNERS PRIOR TO ANY DRIVEWAY REPLACEMENT. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PARCELS THROUGHOUT CONSTRUCTION.

CITY OF PRESCOTT PUBLIC WORKS

DATE 03/30/2020

SHEET NO. 7 OF 19

DEMOLITION PLAN
STA 2+25 - STA 17+00

WILKINSON DRIVE PAVEMENT IMPROVEMENTS

CITY OF PRESCOTT
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Prepared by Eric Stewart (Civil)
CERTIFICATE NO. 49652
ERIC M. STEWART
Date Signed 03/30/20
ARIZONA, U.S.A.

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ENGINEER

CIP #: 19-015

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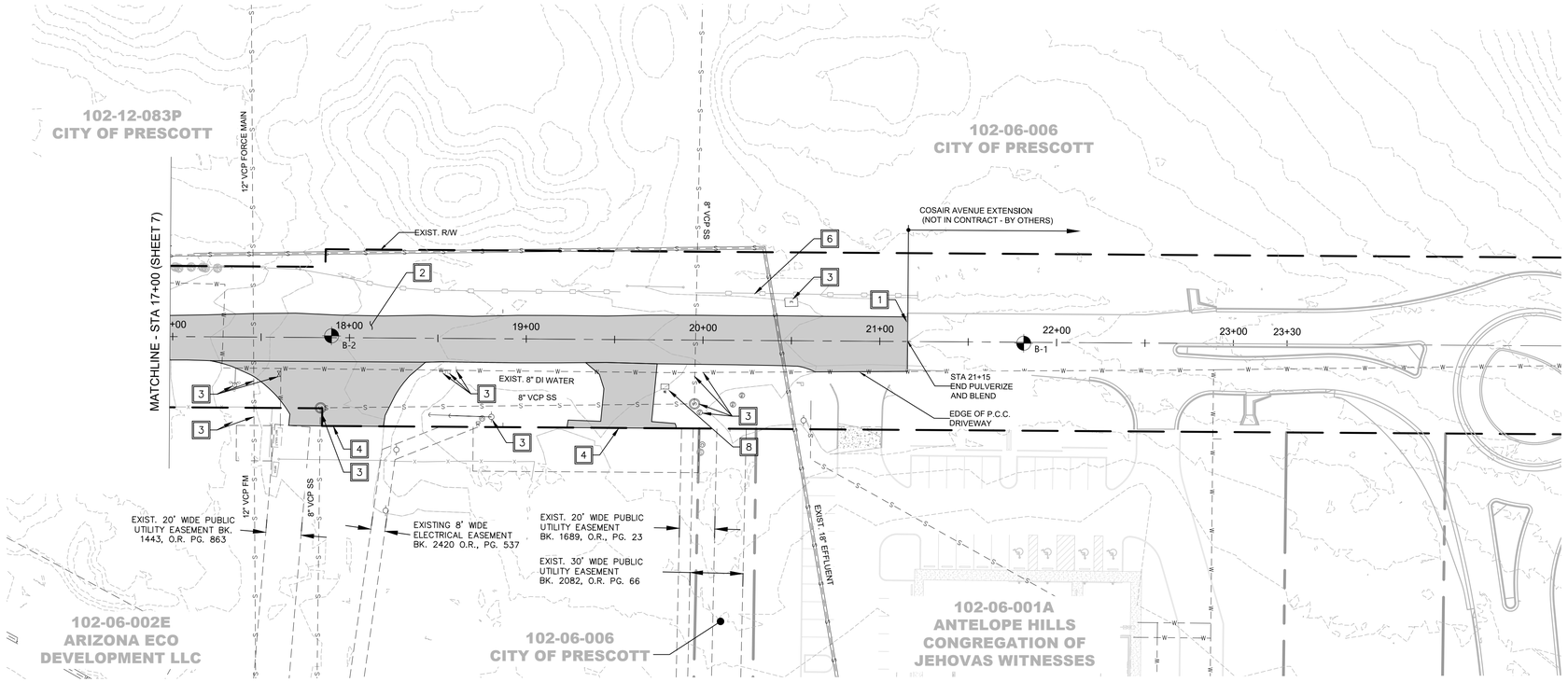

40 0 40 80
SCALE: 1" = 40'

REMOVALS

#	DESCRIPTION
1	SAWCUT PAVEMENT
2	PULVERIZE AND BLEND EXISTING PAVEMENT
3	PROTECT EXISTING IN PLACE
4	SAWCUT DRIVEWAY AT RIGHT-OF WAY
5	REMOVE EXISTING TREE
6	REMOVE/RESET EXISTING FENCE
7	REMOVE EXISTING SIGN
8	REMOVE/RELOCATE EXISTING WATER METER PER QCSD 316P

CITY OF PRESCOTT PUBLIC WORKS

DATE 03/30/2020

SHEET NO. 8 OF 19

DEMOLITION PLAN
STA 17+00 - STA 21+15

WILKINSON DRIVE PAVEMENT IMPROVEMENTS

CITY OF PRESCOTT
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Registered Professional Engineer (Civil)
CERTIFICATE NO. 49652
ANDREA M. STEWART
Date Signed 03/30/20
ARIZONA, U.S.A.

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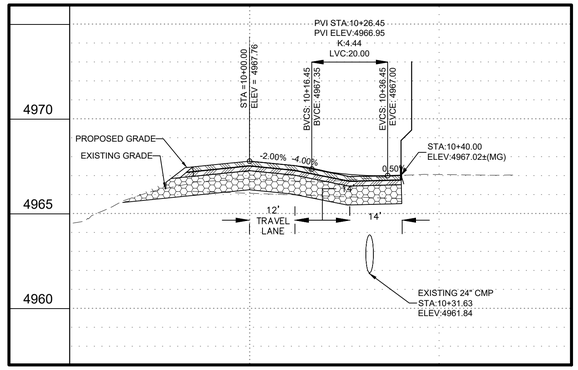
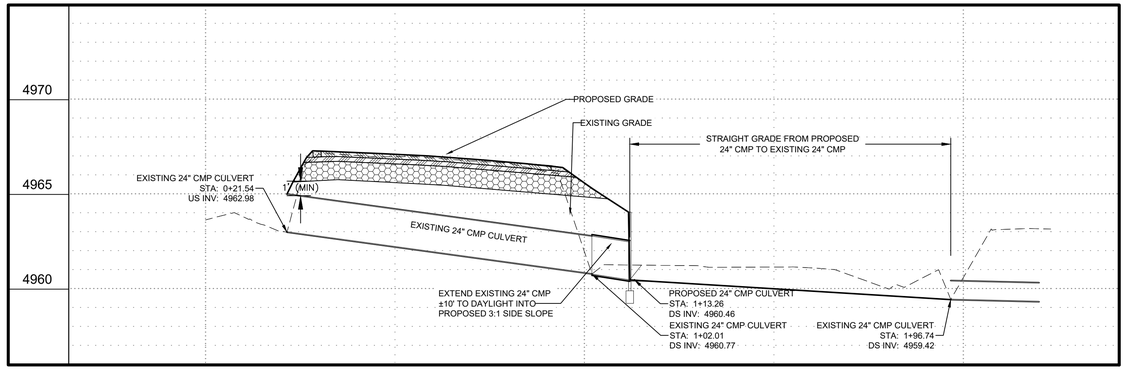
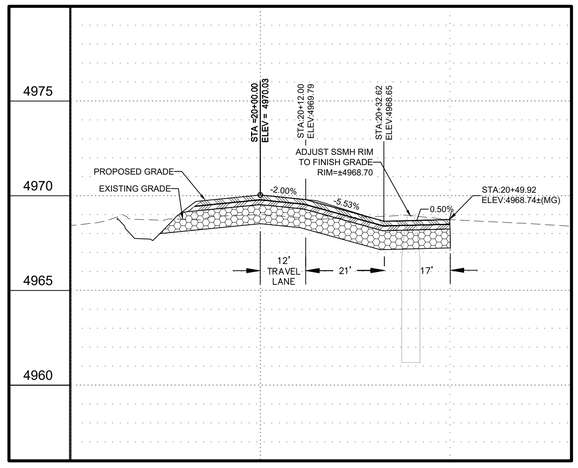


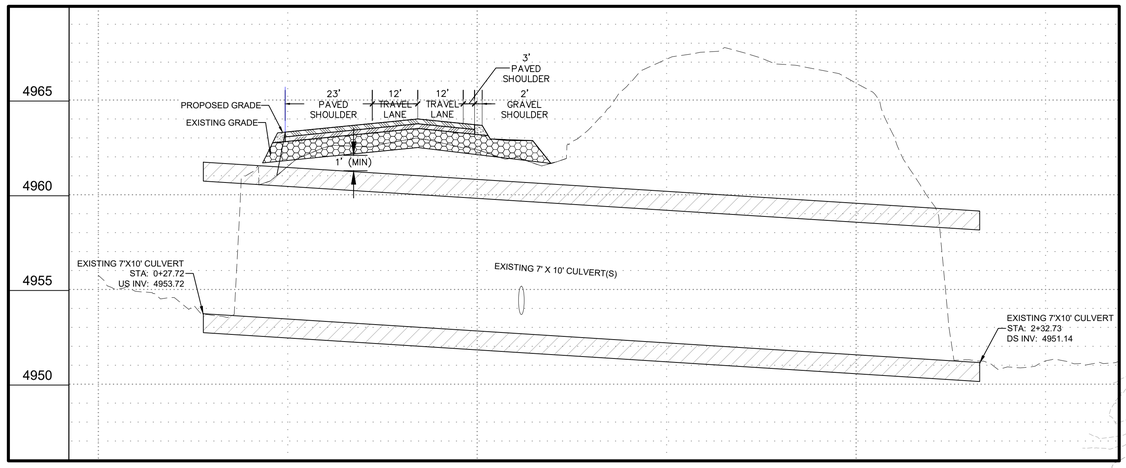
SECTION A-A (DRIVEWAY 1 - PROFILE)



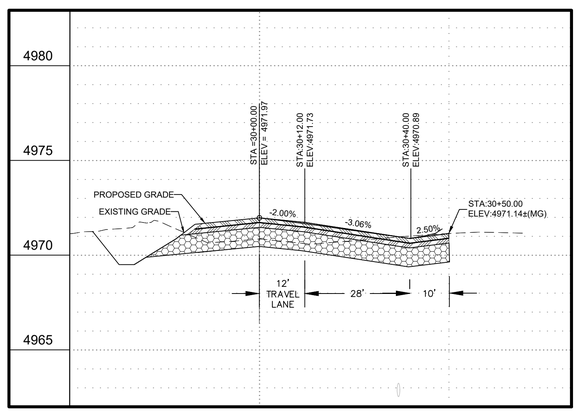
SECTION E-E (EXISTING 24" CMP CULVERT)



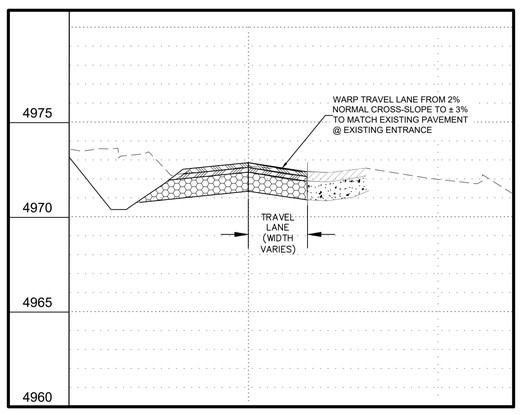
SECTION B-B (DRIVEWAY 2 - PROFILE)



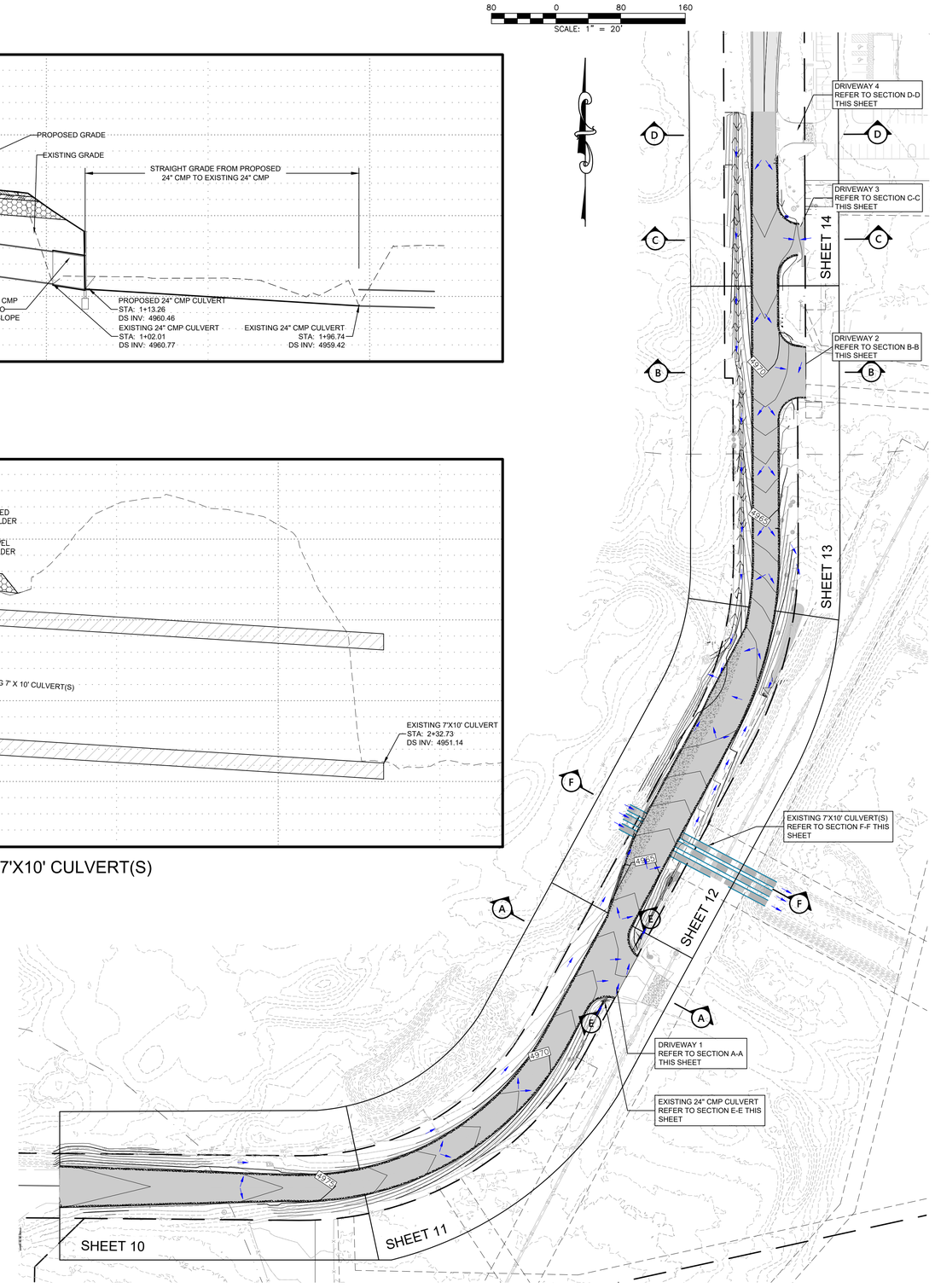
SECTION F-F (EXISTING 7'X10' CULVERT(S)



SECTION C-C (DRIVEWAY 3 - PROFILE)



SECTION D-D (DRIVEWAY 4 - PROFILE)



CITY OF PRESCOTT PUBLIC WORKS

DATE 03/30/2020

SHEET NO. 9 OF 19

OVERALL DRAINAGE PLAN, CROSS SECTIONS AND SHEET INDEX

WILKINSON DRIVE PAVEMENT IMPROVEMENTS

CITY OF PRESCOTT
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Professional Engineer (Civil) CERTIFICATE NO. 49652 ANDREW M. STEWART Date Signed 03/30/20 ARIZONA, U.S.A.

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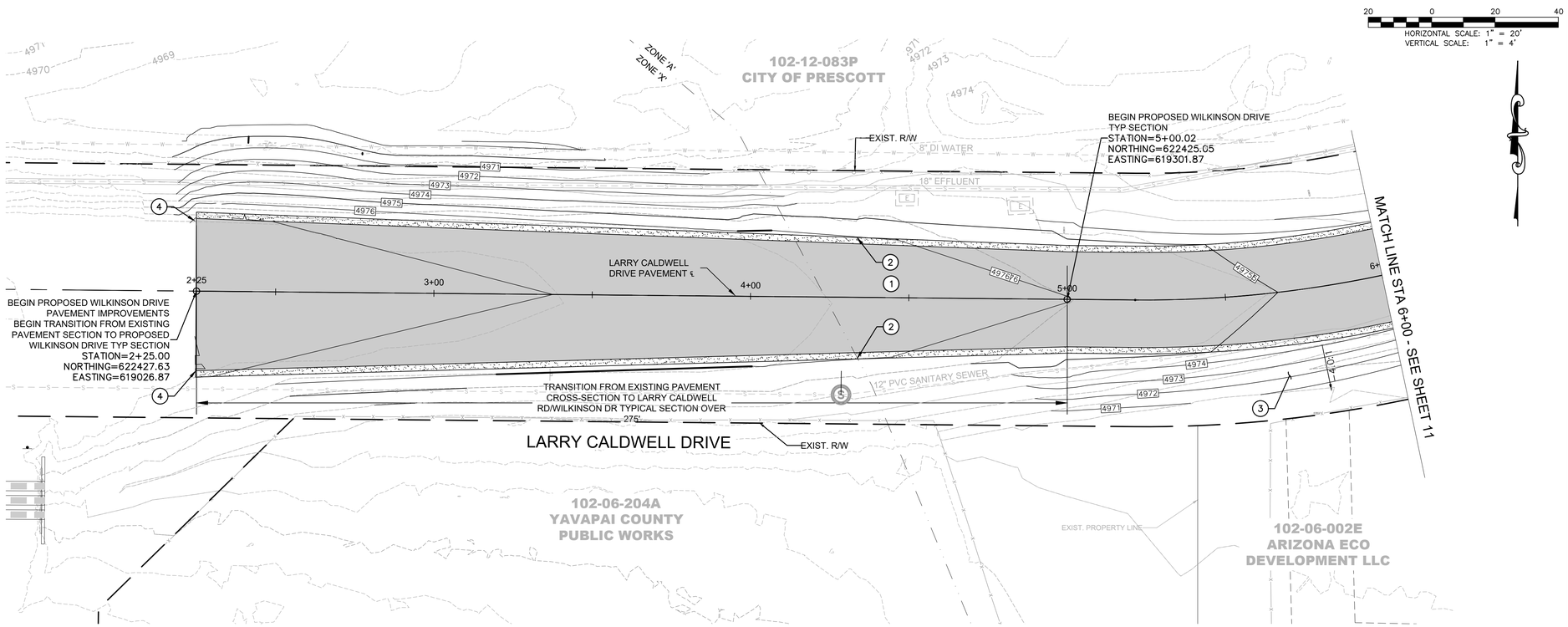

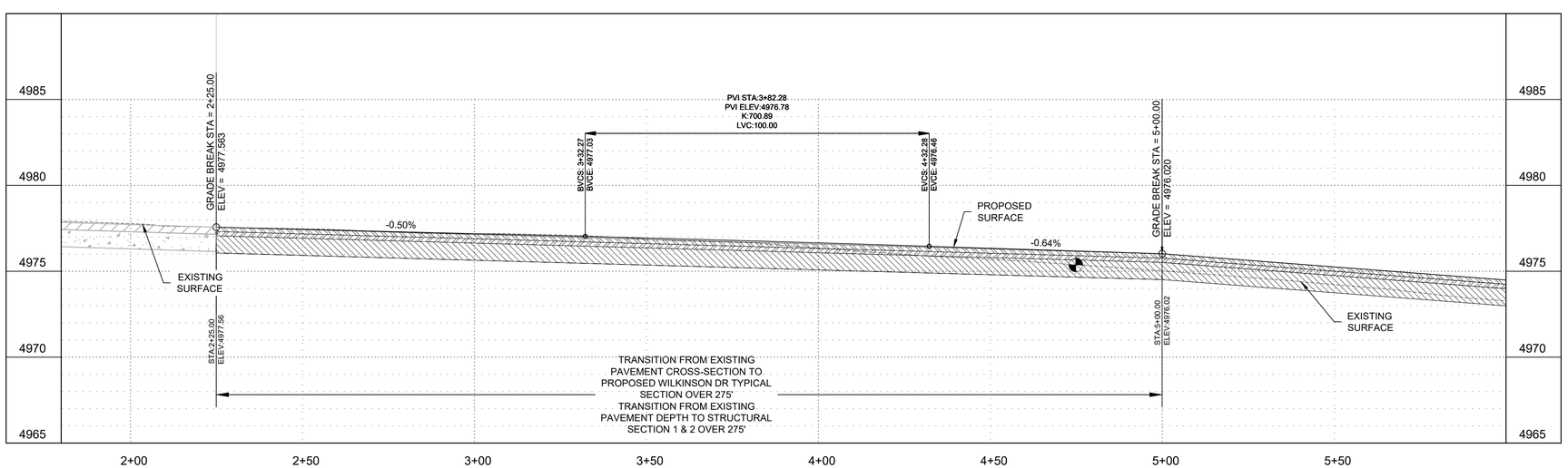

LARRY CALDWELL DRIVE CL PAVING PROFILE

CONSTRUCTION NOTES

#	DESCRIPTION
1	INSTALL PAVEMENT SECTION PER DETAIL, SHEET 6 WITH SAFETY EDGE PER MAG STD DETAIL 201
2	INSTALL 2' SHOULDER MATERIAL PER DETAIL, SHEET 5
3	GRADE TO EXISTING, 4:1 MAX SLOPE, UNLESS OTHERWISE NOTED
4	TIE TO EXISTING PAVEMENT, MATCH EXISTING PAVEMENT WIDTH
5	EXTEND 24" CMP ±10' @ 3.10% TO DAYLIGHT INTO PROPOSED 3:1 SLOPE
6	18" CMP ±194' @ 0.75%. CONNECT TO EXISTING CULVERT PER MAG STD DTL 510
7	HEADWALL PER MAG STD DETAIL 501-4
8	SAWCUT & REPLACE EXISTING DRIVEWAY TO RIGHT-OF-WAY LINE
9	ADJUST SANITARY SEWER MANHOLE RIM TO PROPOSED FINISH GRADE PER QCSD 422Q
10	RELOCATE EXISTING WATER METER PER QCSD 316P
11	ADJUST WATER VALVE BOX PER QCSD 103P
12	REGRADE EXISTING SWALE TO PROVIDE POSITIVE DRAINAGE
13	3' WIDE FLAT BOTTOM CHANNEL. REFER TO TYPICAL CROSS SECTIONS, SHEET 6-7
14	10'X10': RIP RAP. (D50) = 6", 12" DEEP
15	RECYCLED BASE MATERIAL AND MILLINGS PER STRUCTURAL SECTION 3 PER DETAIL SHEET 6-7 (TRUCK TURNOUT)
16	PLACE MILLINGS IN LOW SPOT AREA

CITY OF PRESCOTT PUBLIC WORKS

DATE 03/30/2020

SHEET NO. 10 OF 19

PAVING PLAN AND PROFILE
STA 2+00 - 6+00

WILKINSON DRIVE PAVEMENT IMPROVEMENTS

CITY OF PRESCOTT
Everybody's Hometown

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Eric Alan Stewart
Registered Professional Engineer (Civil)
CERTIFICATE NO. 49652
ERIC A. STEWART
Date Signed 03/30/20
ARIZONA, U.S.A.

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				CITY	
ENGINEER					

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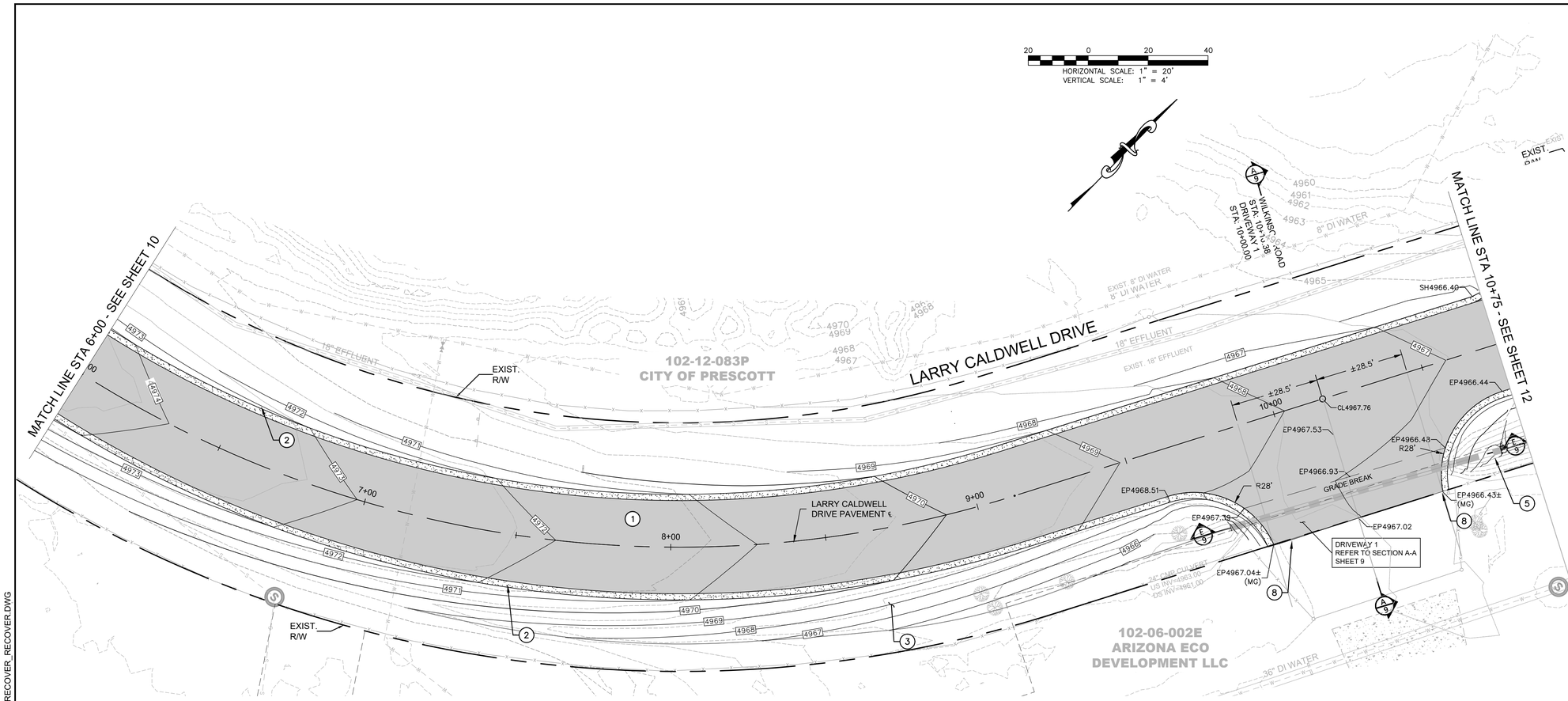

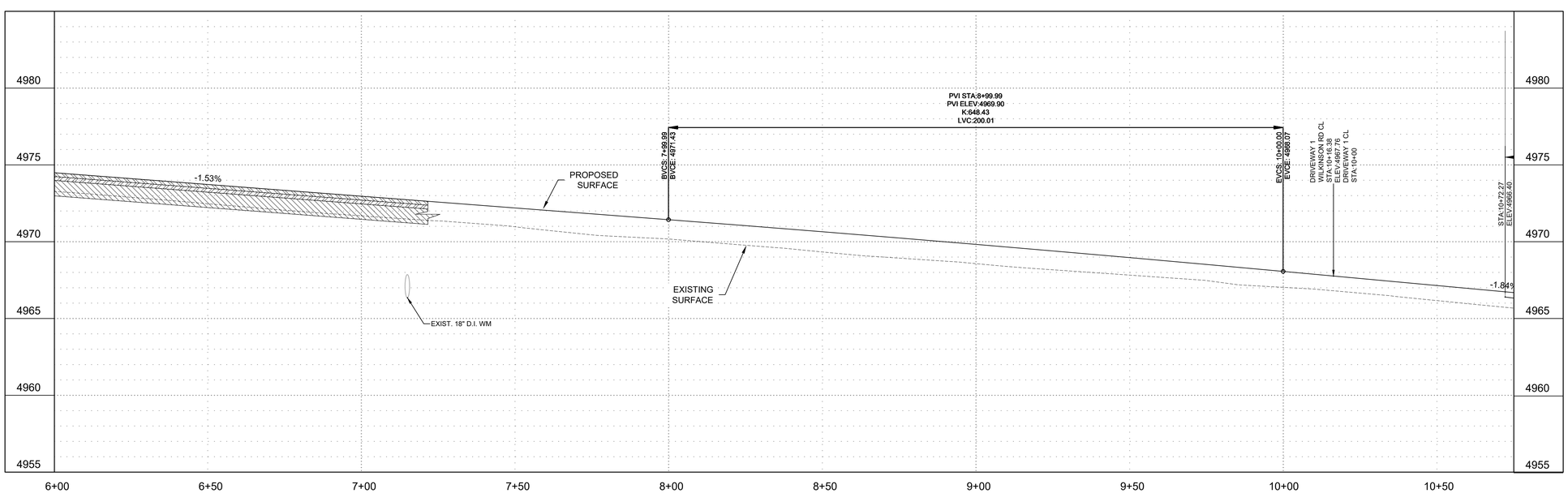

LARRY CALDWELL DRIVE CL PAVING PROFILE

CONSTRUCTION NOTES

#	DESCRIPTION
1	INSTALL PAVEMENT SECTION PER DETAIL, SHEET 6 WITH SAFETY EDGE PER MAG STD DETAIL 201
2	INSTALL 2' SHOULDER MATERIAL PER DETAIL, SHEET 5
3	GRADE TO EXISTING, 4:1 MAX SLOPE, UNLESS OTHERWISE NOTED
4	TIE TO EXISTING PAVEMENT, MATCH EXISTING PAVEMENT WIDTH
5	EXTEND 24" CMP ±10' @ 3.10% TO DAYLIGHT INTO PROPOSED 3:1 SLOPE
6	18" CMP ±194' @ 0.75%. CONNECT TO EXISTING CULVERT PER MAG STD DTL 510
7	HEADWALL PER MAG STD DETAIL 501-4
8	SAWCUT & REPLACE EXISTING DRIVEWAY TO RIGHT-OF-WAY LINE
9	ADJUST SANITARY SEWER MANHOLE RIM TO PROPOSED FINISH GRADE PER QCSD 422Q
10	RELOCATE EXISTING WATER METER PER QCSD 316P
11	ADJUST WATER VALVE BOX PER QCSD 103P
12	REGRADE EXISTING SWALE TO PROVIDE POSITIVE DRAINAGE
13	3' WIDE FLAT BOTTOM CHANNEL. REFER TO TYPICAL CROSS SECTIONS, SHEET 6-7
14	10'X10': RIP RAP. (D50) = 6", 12" DEEP
15	RECYCLED BASE MATERIAL AND MILLINGS PER STRUCTURAL SECTION 3 PER DETAIL SHEET 6-7 (TRUCK TURNOUT)
16	PLACE MILLINGS IN LOW SPOT AREA

CITY OF PRESCOTT PUBLIC WORKS

DATE 03/30/2020

SHEET NO. 11 OF 19

PAVING PLAN AND PROFILE
STA 6+00 - STA 10+75

WILKINSON DRIVE PAVEMENT IMPROVEMENTS

CITY OF PRESCOTT
Everybody's Hometown

PREPARED BY: DJC/BRF
CHECKED BY: AMS
FOR: COP

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ARIC M. STEWART
Date Signed 03/30/20
ARIZONA, U.S.A.

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ENGINEER

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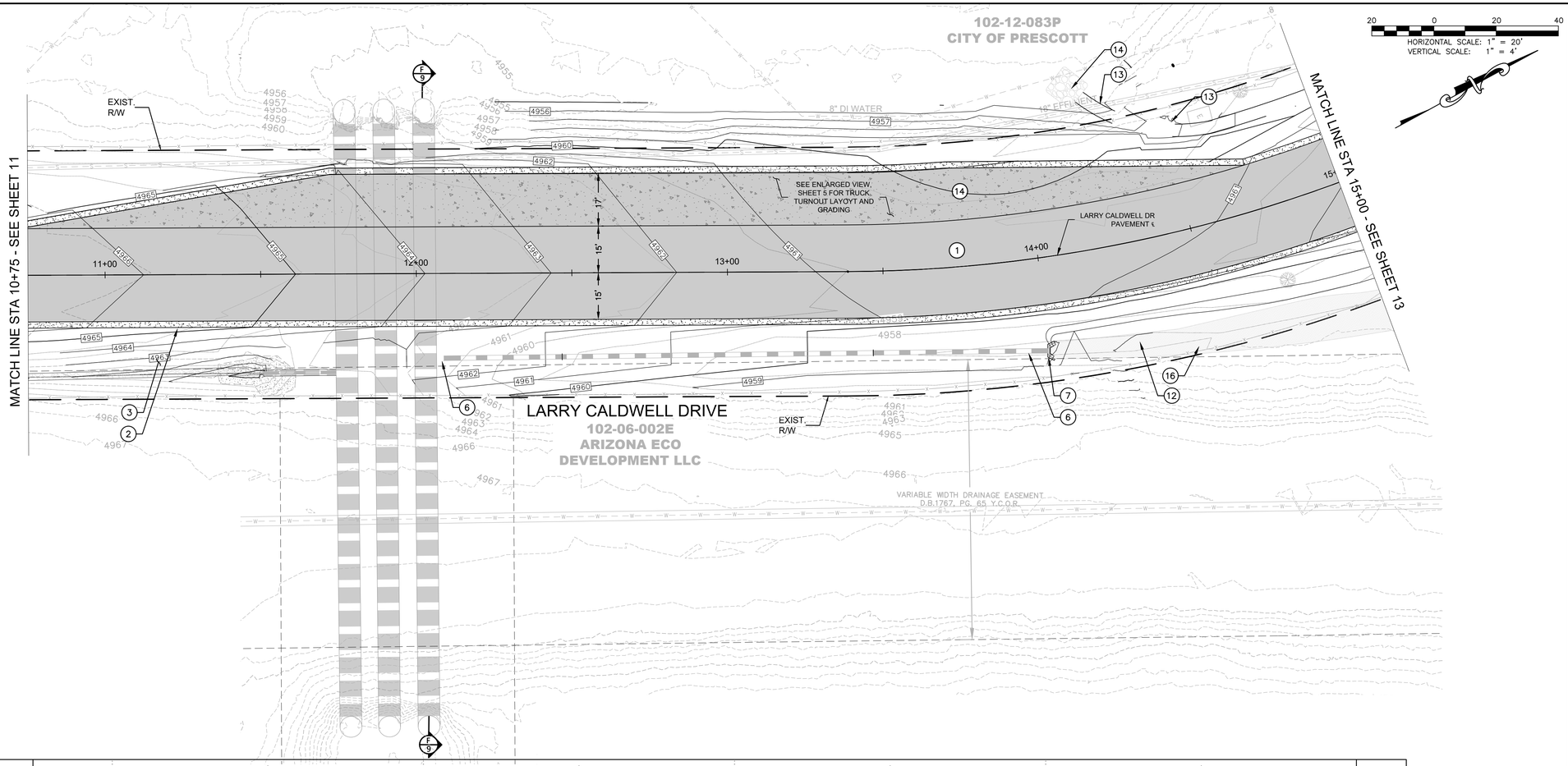
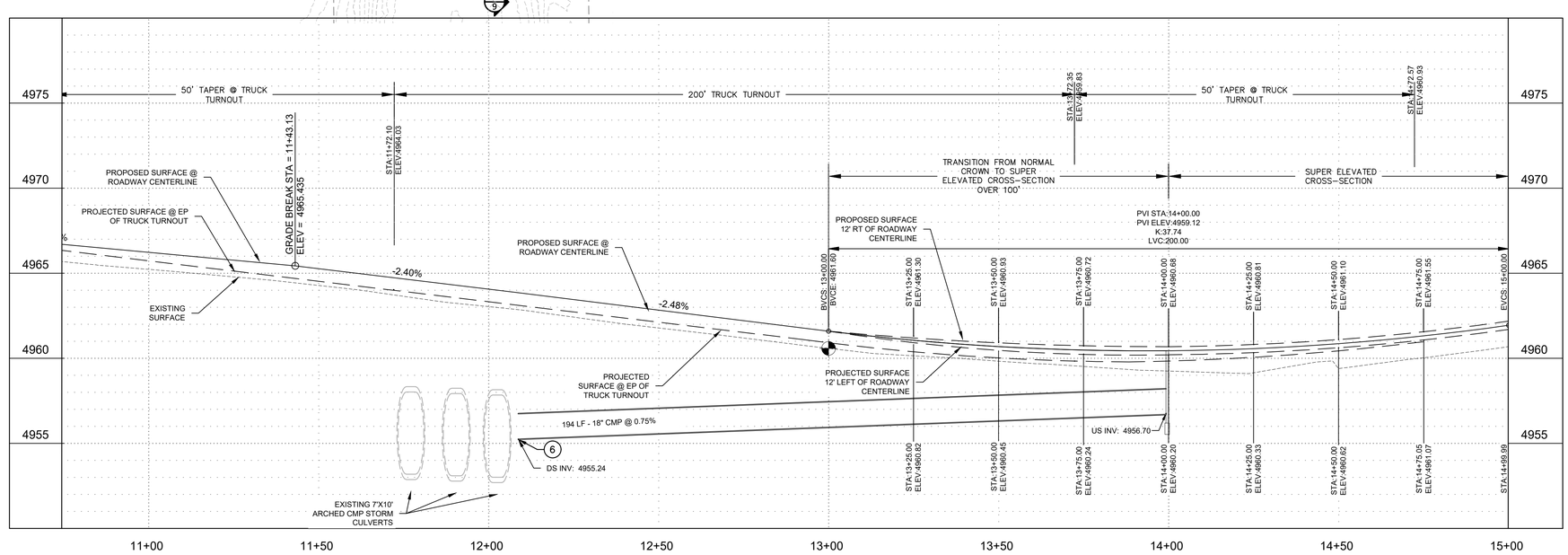
FILE NAME&PATH: K:\ENGINEERING\PROJECTS\FY-19\19-015 - WILKINSON DR IMP PROJ\PS&E\CADD\SHEETS\010-014 PAV P&P_RECOVER_RECOVER.DWG





LARRY CALDWELL DRIVE CL PAVING PROFILE

CONSTRUCTION NOTES

#	DESCRIPTION
1	INSTALL PAVEMENT SECTION PER DETAIL, SHEET 6 WITH SAFETY EDGE PER MAG STD DETAIL 201
2	INSTALL 2' SHOULDER MATERIAL PER DETAIL, SHEET 5
3	GRADE TO EXISTING, 4:1 MAX SLOPE, UNLESS OTHERWISE NOTED
4	TIE TO EXISTING PAVEMENT, MATCH EXISTING PAVEMENT WIDTH
5	EXTEND 24" CMP ±10' @ 3.10% TO DAYLIGHT INTO PROPOSED 3:1 SLOPE
6	18" CMP ±194' @ 0.75%. CONNECT TO EXISTING CULVERT PER MAG STD DTL 510
7	HEADWALL PER MAG STD DETAIL 501-4
8	SAWCUT & REPLACE EXISTING DRIVEWAY TO RIGHT-OF-WAY LINE
9	ADJUST SANITARY SEWER MANHOLE RIM TO PROPOSED FINISH GRADE PER QCSD 422Q
10	RELOCATE EXISTING WATER METER PER QCSD 316P
11	ADJUST WATER VALVE BOX PER QCSD 103P
12	REGRADE EXISTING SWALE TO PROVIDE POSITIVE DRAINAGE
13	3' WIDE FLAT BOTTOM CHANNEL. REFER TO TYPICAL CROSS SECTIONS, SHEET 6-7
14	10'X10': RIP RAP. (D50) = 6", 12" DEEP
15	RECYCLED BASE MATERIAL AND MILLINGS PER STRUCTURAL SECTION 3 PER DETAIL SHEET 6-7 (TRUCK TURNOUT)
16	PLACE MILLINGS IN LOW SPOT AREA

CITY OF PRESCOTT PUBLIC WORKS

DATE 03/30/2020

SHEET NO. 12 OF 19

PAVING PLAN AND PROFILE
STA 10+75 - 15+00

WILKINSON DRIVE PAVEMENT IMPROVEMENTS

CITY OF PRESCOTT
Everybody's Hometown

PREPARED BY DJC/BRF | CHECKED BY AMS | FOR: COP

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 49952 ANDREA M. STEWART Date Signed 03/30/20 ARIZONA, U.S.A.

Call at least two full working days before you begin excavation.
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Dial 8-1-1 or 1-800-STAKE-IT (782-5348)

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				CITY	

ENGINEER

CIP #: 19-015

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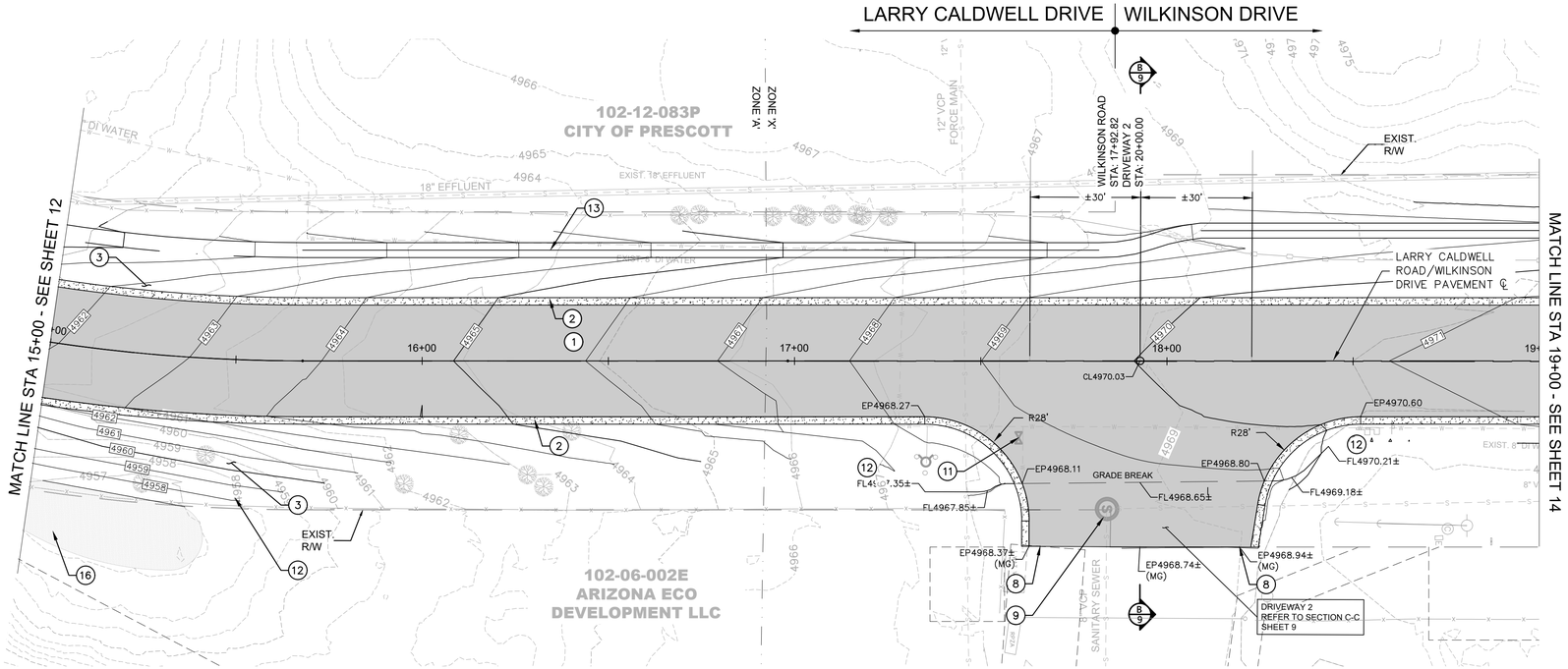

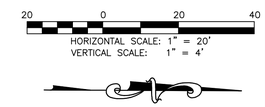

CONSTRUCTION NOTES

#	DESCRIPTION
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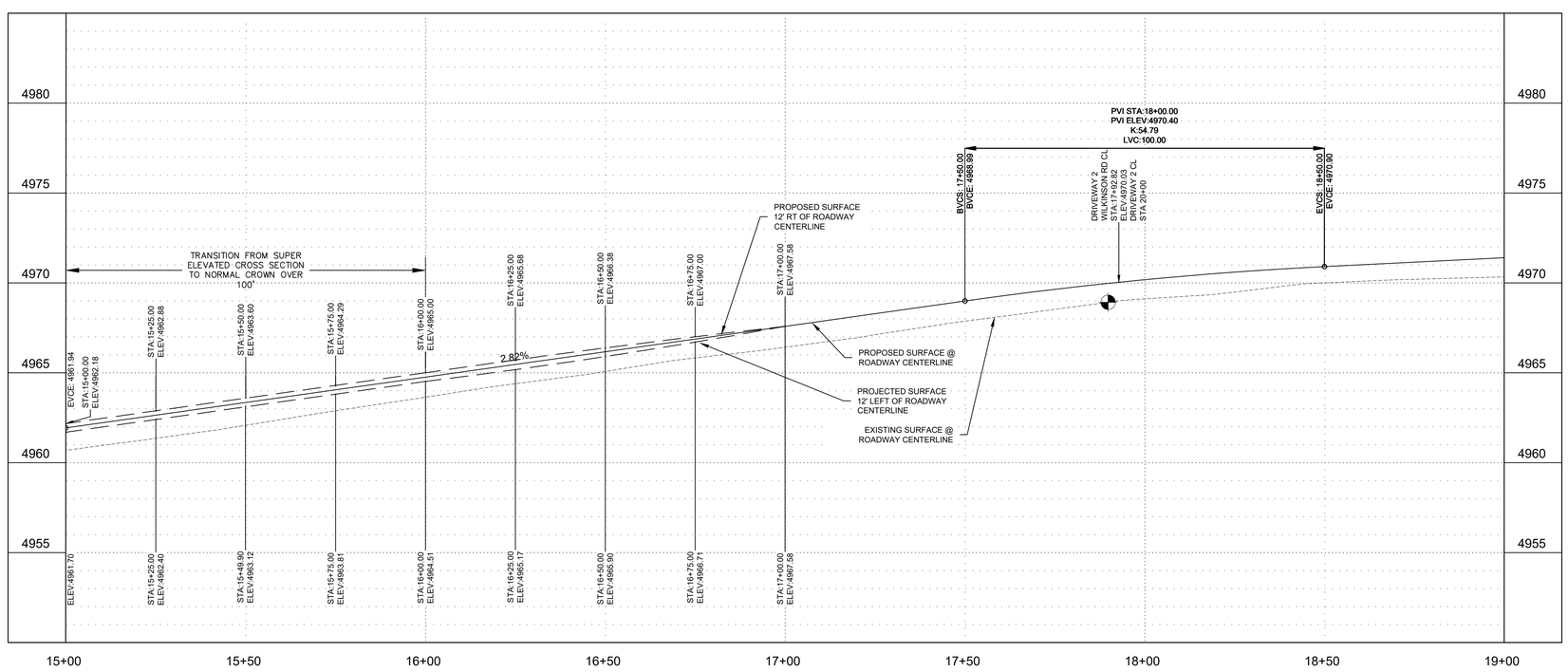

LARRY CALDWELL DRIVE/WILKINSON DRIVE CL PAVING PROFILE

CITY OF PRESCOTT PUBLIC WORKS

DATE 03/30/2020

SHEET NO. 13 OF 19

PAVING PLAN AND PROFILE
STA 15+00 - 19+00

WILKINSON DRIVE PAVEMENT IMPROVEMENTS

CITY OF PRESCOTT
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REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 49952 ARIZONA, U.S.A. STEWART Date Signed 03/30/20

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ENGINEER

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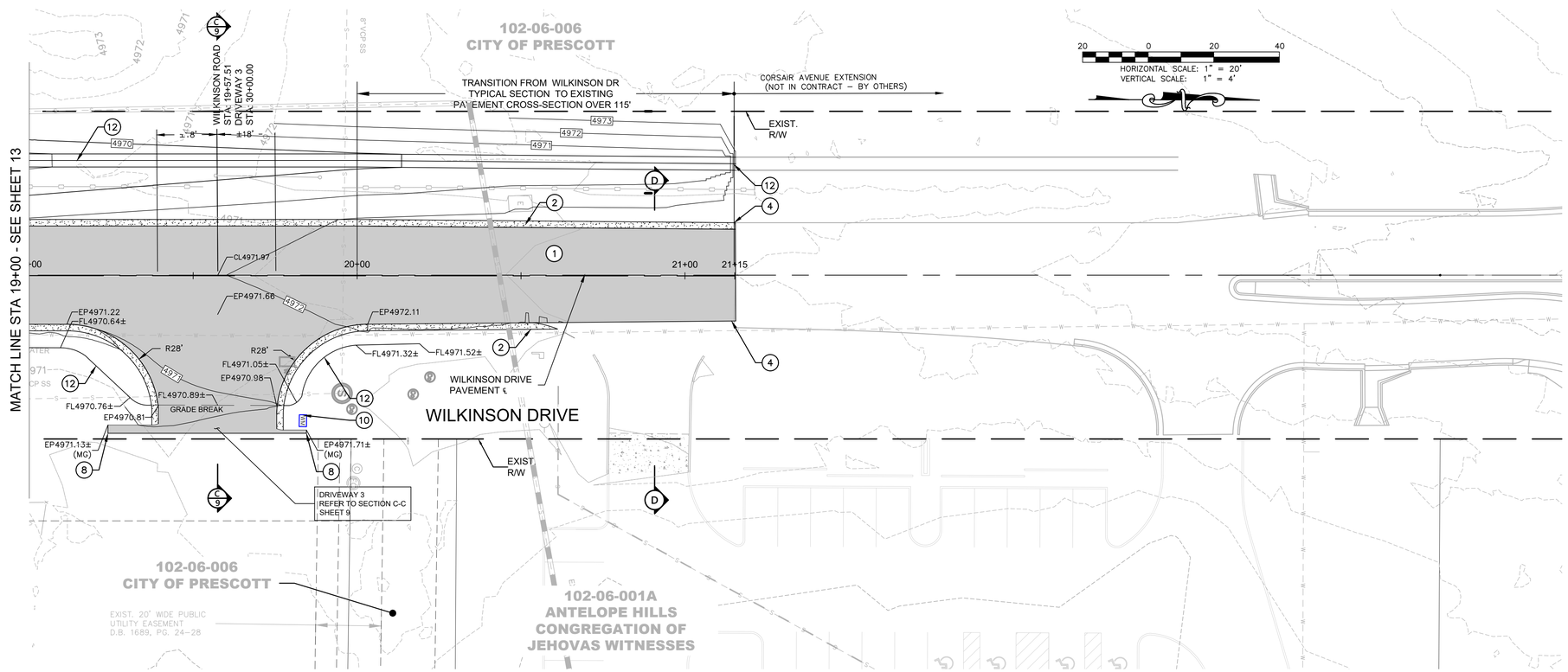

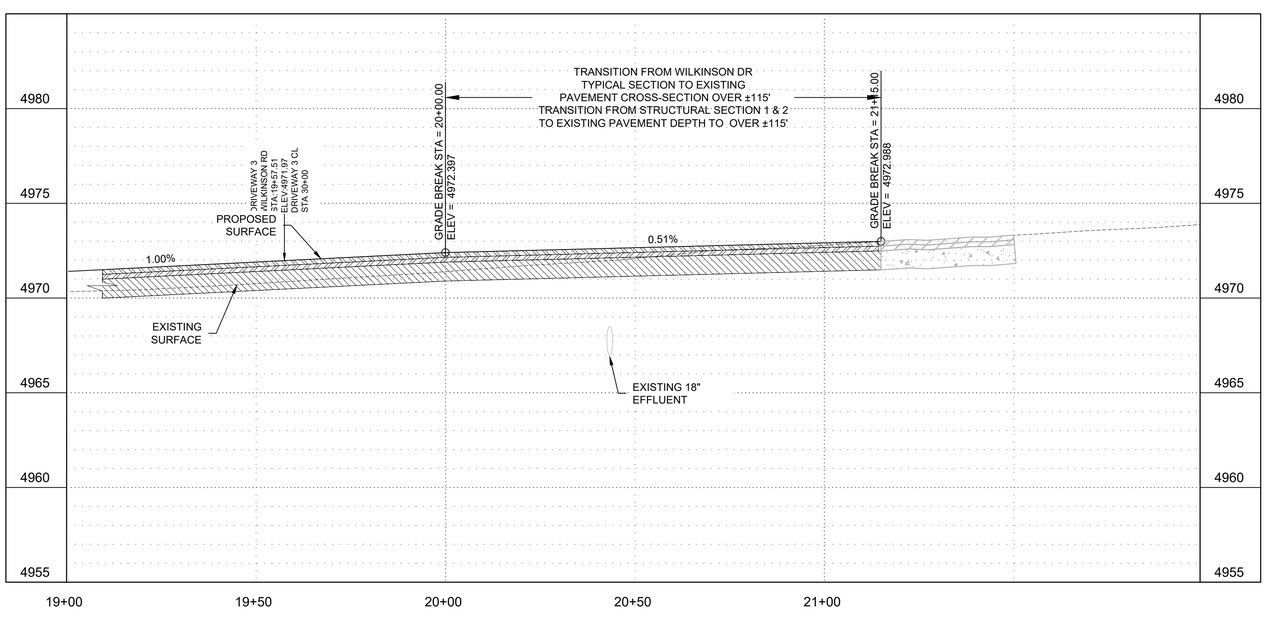

WILKINSON DRIVE CL PAVING PROFILE

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16	PLACE MILLINGS IN LOW SPOT AREA

CITY OF PRESCOTT PUBLIC WORKS

DATE 03/30/2020

SHEET NO. 14 OF 19

PAVING PLAN AND PROFILE - STA 19+00 - END

WILKINSON DRIVE PAVEMENT IMPROVEMENTS

CITY OF PRESCOTT
Everybody's Hometown

PREPARED BY DJC/BRF | CHECKED BY AMS | FOR: COP

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 49652 ANDREW M. STEWART DATE SIGNED 03/30/20 ARIZONA, U.S.A.

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)

NO.	BY	DATE	REVISIONS	APPRV	DATE
				CITY	

ENGINEER

CIP #: 19-015

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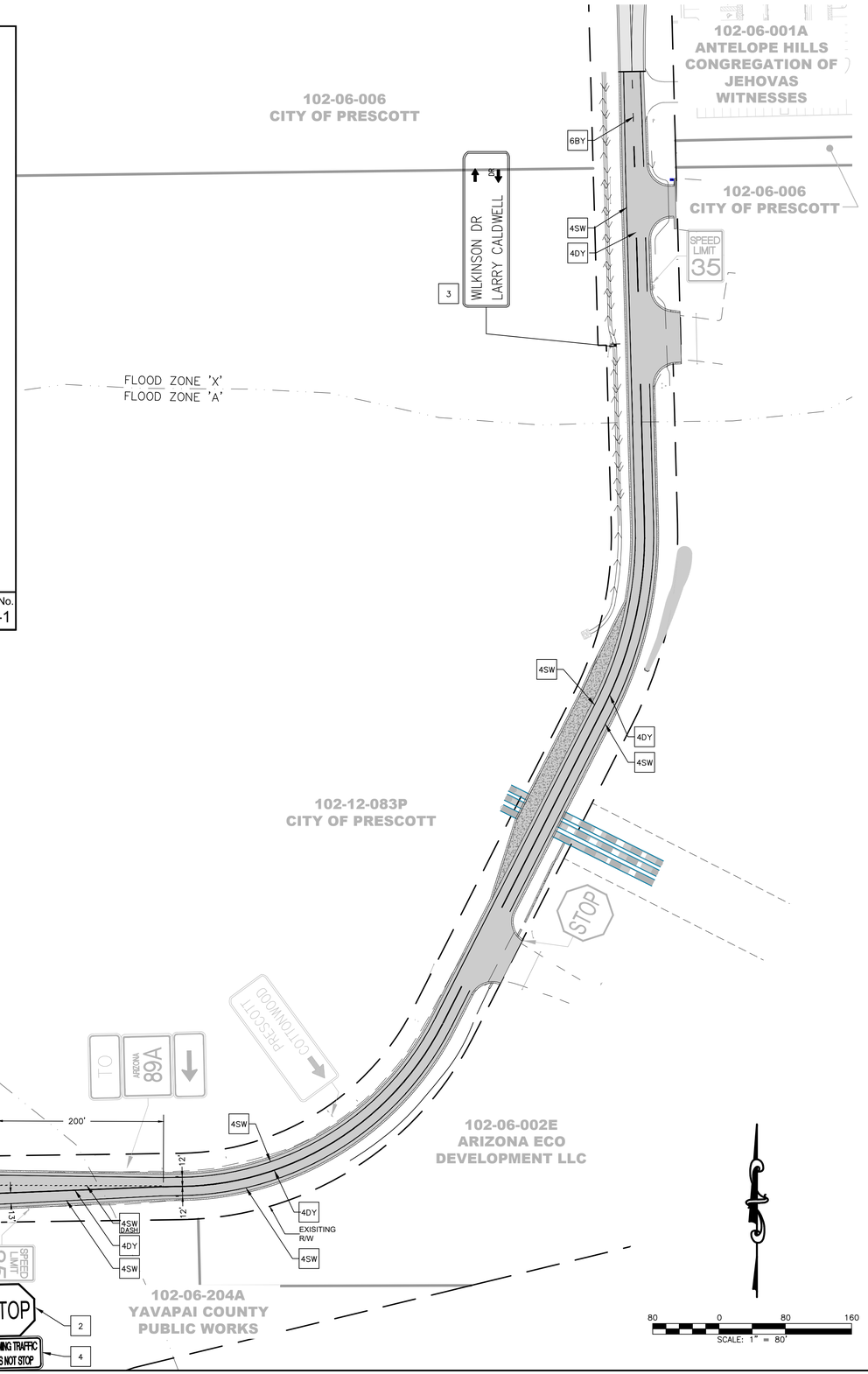
FILE NAME&PATH: K:\ENGINEERING\PROJECTS\FY-19\19-015 – WILKINSON DR IMP PROJ\PS&E\CADD\SHEETS\010-014 PAV P&P_RECOVER_RECOVER.DWG

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.

QUAD CITY STANDARD DETAIL	SIGNING AND STRIPING NOTES	REVISED: X/17	DETAIL No. 106P-1



STRIPING LEGEND	
#	DESCRIPTION
4SW	4" SINGLE WHITE
4SW DASH	4" DASHED WHITE (3' – 9')
4DY	4" DOUBLE YELLOW
6BY	6" BROKEN YELLOW (10' – 30')
1	PAVEMENT MARKINGS PER QCSD 634P
2	PAVEMENT MARKINGS/SIGN PER QCSD 632Q
3	RELOCATE EXISTING STREET SIGN. SIGN PER QCSD 132P AND SIGN POST PER QCSD 131Q
4	INSTALL MUTCD W4-4BP

CITY OF PRESCOTT PUBLIC WORKS

DATE 03/30/2020

SHEET NO. 15 OF 19

PAVEMENT MARKING AND SIGNAGE PLAN

WILKINSON DRIVE PAVEMENT IMPROVEMENTS

CITY OF PRESCOTT Everybody's Hometown

PREPARED BY DJC/BRF | CHECKED BY AMS | FOR: COP

Registered Professional Engineer (Civil) CERTIFICATE NO. 49652 ARIZONA, U.S.A. AMIR M. STEWART Date Signed 03/30/20

Call at least two full working days Before you begin excavation. ARIZONA 811 Arizona Blue Stake, Inc. Dial 8-1-1 or 1-4006-STAKE-IT (782-5348)

NO.	BY	DATE	REVISIONS	APPRV	DATE
				CITY	

ENGINEER

REVIEW:

CIP #: 19-015

FILE NAME&PATH: K:\ENGINEERING\PROJECTS\FY-19\19-015 - WILKINSON DR IMP PROJ\PS&E\CADD\SHEETS\015 STRIPING PLAN.DWG

1. A COPY OF THE APPROVED GRADING AND DRAINAGE PLAN FOR THIS PROJECT AND EROSION AND SEDIMENT CONTROL (ESC) PLAN OR STORM WATER POLLUTION PREVENTION PLAN (SWPPP) SHALL BE MAINTAINED ON THE SITE AND AVAILABLE FOR REVIEW. THOSE ELEMENTS OF THE GRADING AND DRAINAGE PLAN PERTINENT TO OR REFERENCED ON THE SWPPP SHALL BE CONSIDERED A PART OF THE SWPPP.

2. THE ESC/SWPPP AND RELATED RECORDS MUST BE MADE AVAILABLE UPON REQUEST TO ADEQ AND THE CITY OF PRESCOTT.

3. THE IMPLEMENTATION OF THESE PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE FACILITIES IS THE RESPONSIBILITY OF THE PERMITTEE/CONTRACTOR UNTIL ALL CONSTRUCTION IS APPROVED AND A NOTICE OF TERMINATION HAS BEEN SUBMITTED.

4. THE SCHEMATIC EROSION CONTROL MEASURES SHOWN ON THE PLANS ARE A MINIMUM. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY MEANS TO PROTECT EXISTING FACILITIES AND ADJACENT PROPERTIES FROM NOISE, DUST, AND STORM WATER RUNOFF THROUGHOUT CONSTRUCTION OF THE PROJECT AND BUILDINGS ON LOTS, AND SHALL CONDUCT HIS OPERATIONS IN SUCH A MANNER THAT STORM WATER WILL BE CONTAINED ON SITE OR CHANNELED INTO A STORM DRAIN SYSTEM, PROVIDED THAT IT IS FREE FROM POLLUTANTS AND DEBRIS.

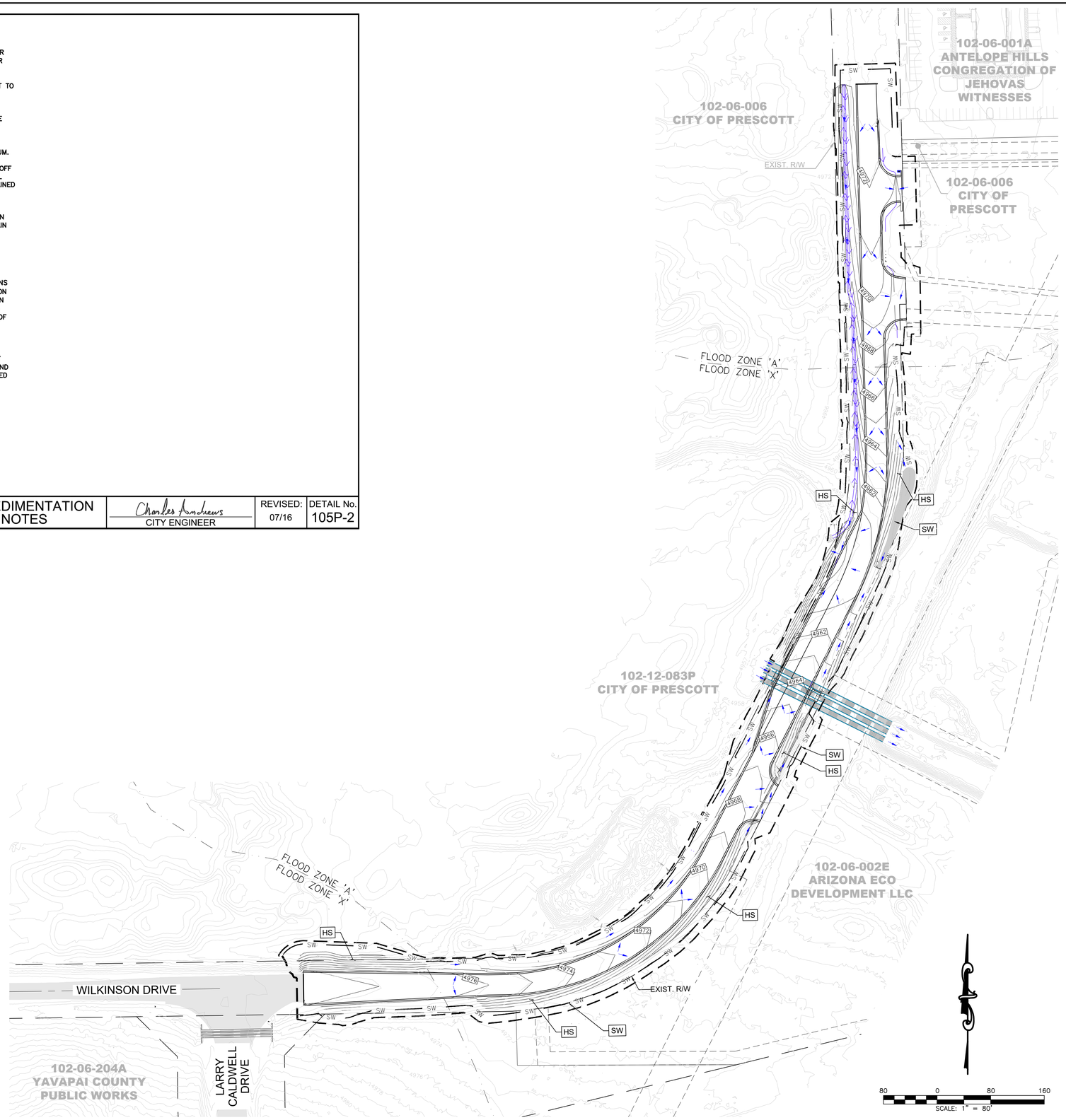
5. CONTRACTOR SHALL PERMANENTLY STABILIZE ALL DISTURBED SLOPES AS STATED ON APPROVED CONSTRUCTION PLANS. ALL EROSION CONTROL STRUCTURES SHALL REMAIN IN PLACE UNTIL EXPOSED SLOPES HAVE BEEN PERMANENTLY STABILIZED.

6. CONTRACTOR SHALL TAKE MEASURES TO PREVENT OR MINIMIZE THE GENERATION, EMISSION AND/OR TRANSPORT OF FUGITIVE DUST FROM CONSTRUCTION ACTIVITIES.

7. THIS PLAN SHALL BE IN EFFECT UNTIL ALL DISTURBED AREAS ARE PERMANENTLY STABILIZED, TRANSFERRED TO NEW OWNERSHIP, OR DEVELOPED UNDER FUTURE PLANS WITH A NEW NOTICE OF INTENT (NOI), SWPPP, AND PERMIT. ONCE THE CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED AND THE SITE HAS MET THE FINAL STABILIZATION REQUIREMENTS OF THE PERMIT, THE AUTHORIZED SITE REPRESENTATIVE MAY FILE A NOTICE OR TERMINATION (NOT) WITH ADEQ, WITH A COPY SUBMITTED TO THE CITY OF PRESCOTT ENGINEERING DIVISION TO TERMINATE COVERAGE UNDER THE PERMIT.

8. A CONCRETE WASHOUT SHALL BE INSTALLED FOR ALL PROJECTS THAT PROPOSE CONCRETE TO BE MIXED ON SITE OR BE DELIVERED FROM A BATCH PLANT. THE CONCRETE WASHOUT SHALL BE LOCATED A MINIMUM OF FIFTY (50) FEET FROM ANY DRAINAGE INFRASTRUCTURE OR NATURAL DRAINAGE FEATURES OR WATER BODIES AND INCORPORATE AN IMPERMEABLE LINER TO CONTAIN THE REQUIRED VOLUME. ALL DRIED CONCRETE WASTE SHALL BE BROKEN INTO MANAGEABLE PIECES AND DISPOSED OF OFF-SITE AT AN APPROVED FACILITY.

COP STANDARD DETAIL	EROSION AND SEDIMENTATION CONTROL NOTES	Charles Andrews CITY ENGINEER	REVISED: 07/16	DETAIL No. 105P-2



STRIPING LEGEND	
#	DESCRIPTION
4SW	DISTURBED AREA
SW	SEDIMENT WATTLES - ADOT ES-3
HS	HYDROSEED FROM THE EDGE OF GRAVEL SHOULDER TO THE LIMITS OF THE DISTURBED AREA PER QCSD 556PV

CITY OF PRESCOTT PUBLIC WORKS

DATE 03/30/2020

SHEET NO. 16 OF 19

EROSION CONTROL PLAN

WILKINSON DRIVE PAVEMENT IMPROVEMENTS

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Registered Professional Engineer (Civil) CERTIFICATE NO. 49652 ANDREW M. STEWART Date Signed 03/30/20 ARIZONA, U.S.A.

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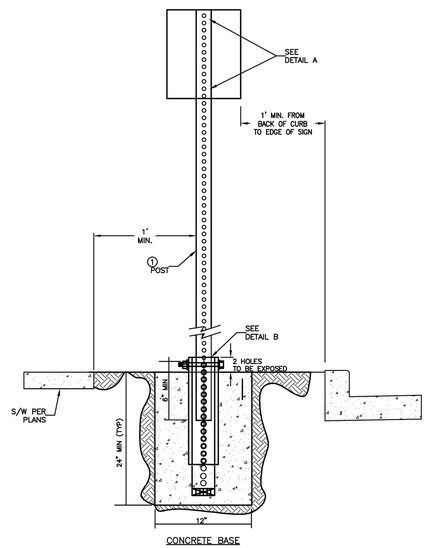
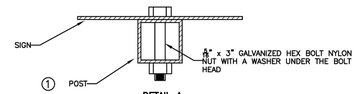
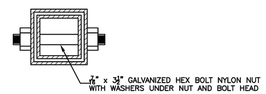




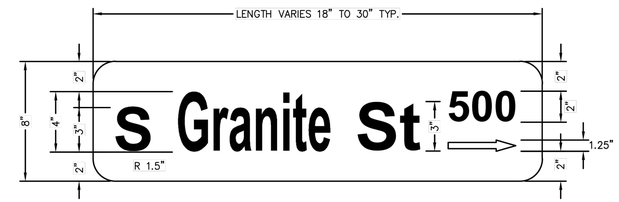
DETAIL A
SIGN MOUNTING



DETAIL B
ANCHOR ASSEMBLY

NOTES:
1. INSTALL ALL TRAFFIC SIGNS ON 12 GAUGE 2" SQUARE STEEL TUBING.
2. CONCRETE BASE 2' DEEP MIN. x 12" WIDE, 18" LONG ANCHOR & 12" SLEEVE COMPLETELY TAPED TO PREVENT SEEPAGE OF CONCRETE.
3. POST ANCHOR SHALL HAVE 2 HOLES EXPOSED AT FINISHED GRADE.
4. ALL TRAFFIC SIGNS, WITH THE EXCEPTION OF R6-1 & DELINEATORS, SHALL BE SET AT A HEIGHT OF 7' TO BOTTOM OF SIGN. POSTS WITH DUAL SIGN ASSEMBLIES SHALL BE SET AT A HEIGHT OF 6' TO BOTTOM OF SIGN. DELINEATORS SHALL BE MOUNTED AT A MINIMUM OF 4' TO THE BOTTOM OF THE SIGN. ALTERNATE HEIGHTS MUST BE APPROVED BY THE TRAFFIC ENGINEER PRIOR TO INSTALLATION.
5. BOLT FOR THE BASE TO BE PERPENDICULAR TO THE FLOW OF TRAFFIC.

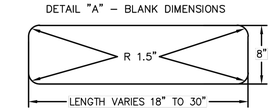
QUAD CITY STANDARD DETAIL	SIGN POST INSTALLATION	REVISED: X/17	DETAIL No. 131Q



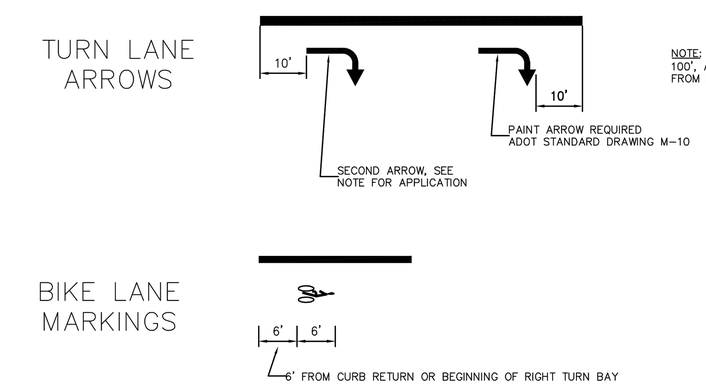
NOTES:

1. ALL REFLECTIVE SHEETING MATERIAL(S) SHALL BE HIGH INTENSITY PRISMATIC.
2. ALL TRANSPARENT ACRYLIC, PRESSURE-SENSITIVE FILM SHALL BE 3M #177 GREEN ELECTRO CUT FILM OR APPROVED EQUAL.
3. LETTER FONT SHALL BE UPPERCASE AND LOWERCASE FONT HWY C OR SIMILAR.
4. SEE DETAIL "A" FOR 8" STREET SIGN BLANK DIMENSIONS.
5. THESE SIGNS ARE CONSTRUCTED BY APPLYING WHITE HIP SHEETING TO THE ENTIRE BLANK. ON TOP OF THIS SHEETING A GREEN TRANSLUCENT PRESSURE-SENSITIVE FILM FROM WHICH THE LEGEND HAS BEEN CUT AND REMOVED IS APPLIED. THUS THE GREEN BACKGROUND IS APPLIED ON TOP OF THE WHITE SHEETING RESULTING IN A SIGN WITH A WHITE LEGEND AND A GREEN BACKGROUND.
6. SIGN BLANKS SHALL BE 5052-H38 ALLOY TREATED ALUMINUM WITH ALODINE 1200 CONVERSION COATING.
7. SIGN BLANK SHALL BE 0.100" THICK WITH ROUNDED CORNERS AS NOTED.
8. BLOCK NUMBERS ARE IN INCREMENTS OF 100 GOING UP IN NUMERICAL VALUE.
9. SIGNS THAT ARE LOCATED IN THE CENTER OF THE BLOCK SHALL HAVE "<- ->".
10. SIGNS THAT ARE AT THE BEGINNING AND END OF THE BLOCK HAVE "->" POINTING UP THE BLOCK.

DETAIL "A" - BLANK DIMENSIONS



QUAD CITY STANDARD DETAIL	STREET NAME SIGN	REVISED: X/17	DETAIL No. 132P



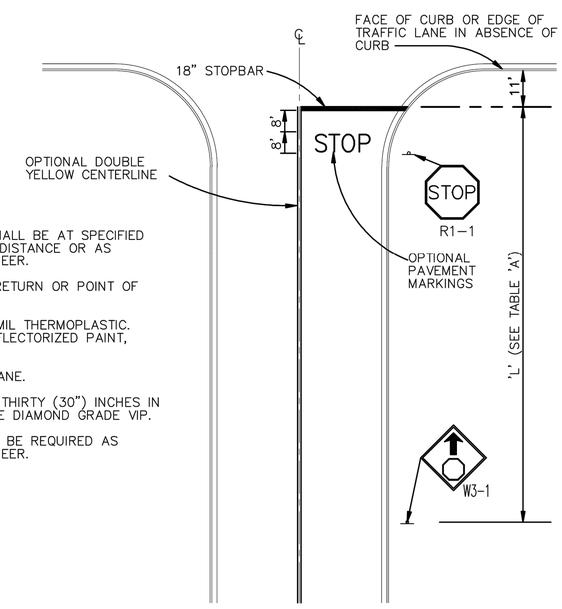
NOTE: IF TURN LANE EXCEEDS 100', ADD SECOND ARROW 10' FROM BACK END OF LANE LANE.

NOTE: ALL TURN LANE ARROWS AND BIKE SYMBOLS SHALL CONFORM TO ADOT SPECIFICATION 704 AND SHALL BE 90 MIL (0.090 INCH) THICK ALKYD EXTRUDED THERMOPLASTIC.

QUAD CITY STANDARD DETAIL	PAVEMENT MARKINGS	REVISED: X/17	DETAIL No. 634P

TABLE 'A'
'L' VALUES (FT.)

MPH	DOWNGRADES			
	0%	3%	6%	9%
25 OR NOT POSTED	250	260	270	290
30	305	315	335	355
35	360	380	400	430



NOTES:

1. THE USE OF W3-1 'STOP AHEAD' SIGNS SHALL BE AT SPECIFIED LOCATIONS DEMONSTRATING LIMITED SIGHT DISTANCE OR AS DIRECTED BY THE AGENCY'S TRAFFIC ENGINEER.
2. STOP SIGN NORMALLY LOCATED AT CURB RETURN OR POINT OF OPTIMUM VISIBILITY.
3. STOP BARS SHALL BE REFLECTORIZED 90 MIL THERMOPLASTIC. DOUBLE YELLOW CENTERLINE SHALL BE REFLECTORIZED PAINT, 24-28 MIL.
4. CENTER PAVEMENT MARKINGS IN TRAVEL LANE.
5. R1-1 STOP SIGN SHALL BE A MINIMUM OF THIRTY (30") INCHES IN WIDTH. ALL SIGN SHEETING MATERIAL TO BE DIAMOND GRADE VIP.
6. OPTIONAL "STOP" PAVEMENT MARKING MAY BE REQUIRED AS DIRECTED BY THE AGENCY'S TRAFFIC ENGINEER.

QUAD CITY STANDARD DETAIL	STOP MARKINGS	REVISED: X/17	DETAIL No. 632Q

CITY OF PRESCOTT PUBLIC WORKS

DATE 03/30/2020 SHEET NO. 17 OF 19

DETAILS

WILKINSON DRIVE PAVEMENT IMPROVEMENTS

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Registered Professional Engineer (Civil) CERTIFICATE NO. 49652 ALAN M. STEWART Date Signed 03/30/20 ARIZONA, U.S.A.

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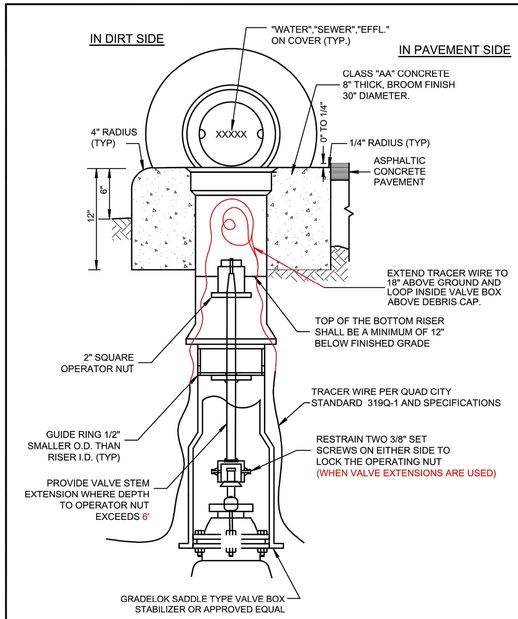
NO.	BY	DATE	REVISIONS	APPRV	DATE
				CITY ENGINEER	

REVIEW:

CIP #: 19-015

FILE NAME&PATH: K:\ENGINEERING\PROJECTS\FY-19\19-015 - WILKINSON DR IMP PROJ\PS&E\CADD\SHEETS\006-07 DETAILS.DWG



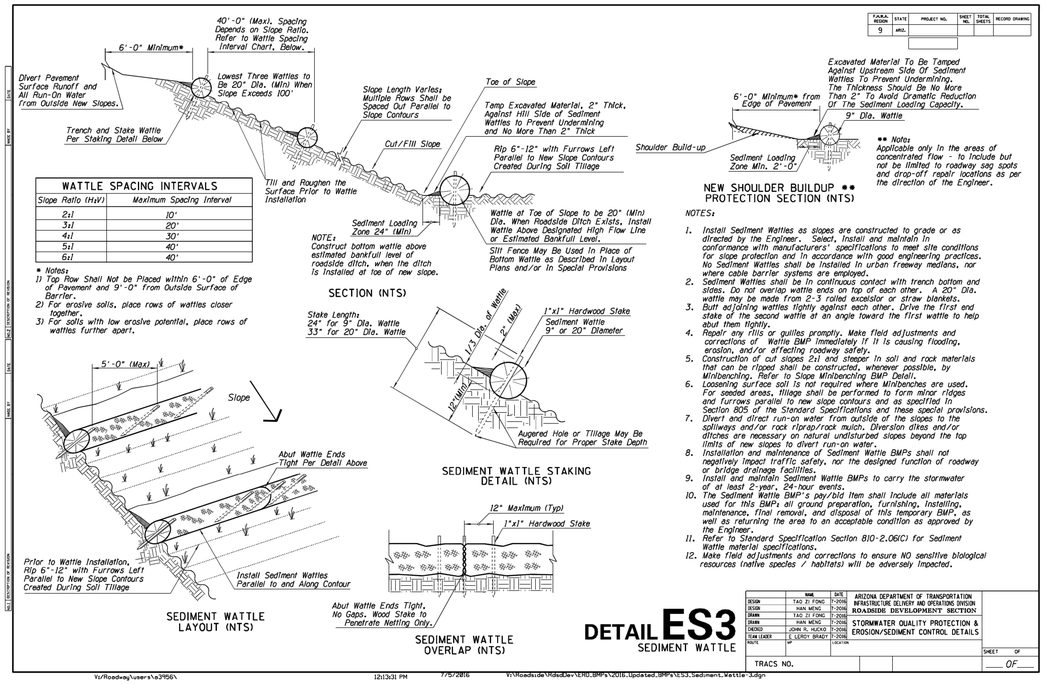
NOTES:

1. VALVE BOX SHALL BE ADJUSTED TO THE FINISHED GRADE AFTER PLACING OF THE FINISH PAVEMENT SURFACE.
2. USE PARKSON TYLER #6855, APCO OR EQUAL DEEP SKIRTED LID (4" OR MORE) TYPE, SLIDING ADJUSTABLE CAST IRON VALVE BOX C.I. MIN. T.S. 30,000 P.S.I.
3. ALL VALVES CONNECTED TO EXISTING MAINS ARE TO BE OPERATED BY AGENCY PERSONNEL ONLY.
4. U.S. MANUFACTURED IRON ONLY.
5. ALL STEEL FOR EXTENSION TO HAVE SHOP PRIME COAT ZINC CHROMATE, AND ONE HEAVY APPLICATION NO-OX-10 "A" IN ACCORDANCE WITH MANUFACTURE'S DIRECTION.
6. DEBRIS CAP PER MAG DETAIL 392.
7. VALVE BLOCKING REQUIRED PER QUAD CITY STANDARD DETAIL 301Q.

DEBRIS CAP COLOR TABLE

VALVE TYPE	COLOR
IN-LINE-RW	BLACK
HYDRANT	BLUE
BUTTERFLY	YELLOW
ZONE	RED
FIRE LINE	WHITE
EFFLUENT	PURPLE
SEWER FORCE MAIN	GREEN

QUAD CITY STANDARD DETAIL	VALVE BOX	REVISED: X/17	DETAIL No. 391Q



WATTLE SPACING INTERVALS	
Slope Ratio (H:V)	Maximum Spacing Interval
2:1	10'
3:1	20'
4:1	30'
5:1	40'
6:1	40'

* Notes:
1) Top Row Shall Not be Placed within 6'-0" of Edge of Pavement and 9'-0" from Outside Surface of Barrier.
2) For erosive soils, place rows of wattles closer together.
3) For soils with low erosive potential, place rows of wattles further apart.

NOTES:

1. Install Sediment Wattles as slopes are constructed to grade or as directed by the Engineer. Select, Install and maintain in conformance with manufacturers' specifications to meet site conditions for slope protection and in accordance with good engineering practices. No Sediment Wattles shall be installed in urban freeway medians, nor where cable barrier systems are employed.
2. Sediment Wattles shall be in continuous contact with trench bottom and sides. Do not overlap wattle ends on top of each other. A 20" Dia. wattle may be made from 2-3 rolled excelsior or straw blankets.
3. Butt adjoining wattles tightly against each other. Drive the first end stake of the second wattle at an angle toward the first wattle to help abut them tightly.
4. Repair any rills or gullies promptly. Make field adjustments and corrections of Wattle BMP immediately if it is causing flooding, erosion, and/or affecting roadway safety.
5. Construction of cut slopes 2:1 and steeper in soil and rock materials that can be ripped shall be constructed, whenever possible, by Minibenching. Refer to Slope Minibenching BMP Detail.
6. Loosening surface soil is not required where Minibenches are used. For seeded areas, Tillage shall be performed to form minor ridges and furrows parallel to new slope contours and as specified in Section 805 of the Standard Specifications and these special provisions.
7. Divert and direct run-on water from outside of the slopes to the spillways and/or rock riprap/rock mulch. Diversion dikes and/or ditches are necessary on natural undisturbed slopes beyond the top limits of new slopes to divert run-on water.
8. Installation and maintenance of Sediment Wattle BMPs shall not negatively impact traffic safety, nor the designed function of roadway or bridge drainage facilities.
9. Install and maintain Sediment Wattle BMPs to carry the stormwater of at least 2-year, 24-hour events.
10. The Sediment Wattle BMP's paybid item shall include all materials used for this BMPs all ground preparation, furnishing, installing, maintenance, final removal, and disposal of this temporary BMP, as well as returning the area to an acceptable condition as approved by the Engineer.
11. Refer to Standard Specification Section 810-2.06(C) for Sediment Wattle material specifications.
12. Make field adjustments and corrections to ensure NO sensitive biological resources (native species / habitats) will be adversely impacted.

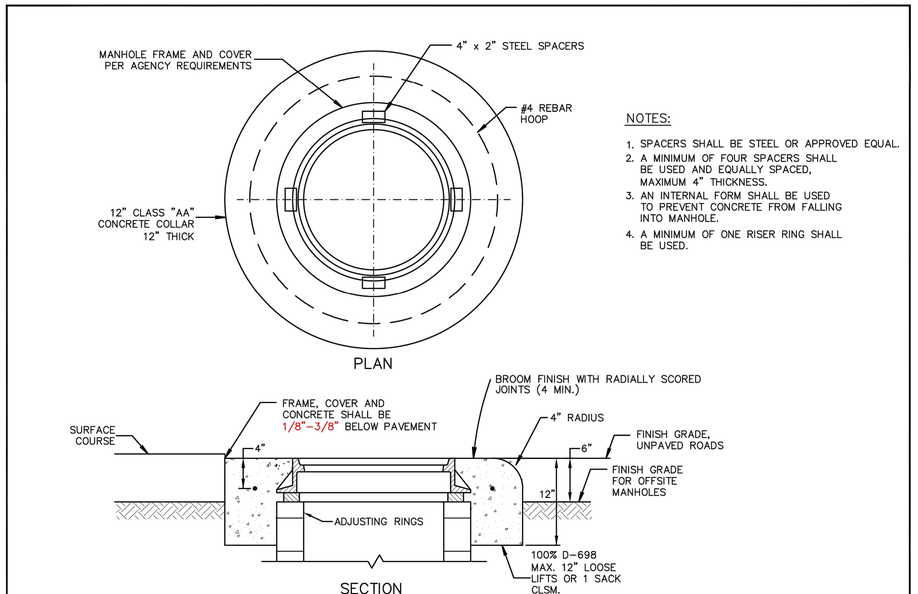
F.A.H.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

	NAME	DATE	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION ROADWAYS DESIGN DEVELOPMENT SECTION
DESIGN	TAO ZI FONG	7-2016	
CHECK	MAN MENG	7-2016	
DRAWN	TAO ZI FONG	7-2016	STORMWATER QUALITY PROTECTION & EROSION/SEDIMENT CONTROL DETAILS
CHECK	MAN MENG	7-2016	
DESIGN LEADER	JOHN R. HUCKO	7-2016	
TEAM LEADER	E. LUCKY BRADY	7-2016	
ROUTE	SP	LOCATION	

TRACS NO.

SHEET ___ OF ___

DETAIL ES3
SEDIMENT WATTLE



NOTES:

1. SPACERS SHALL BE STEEL OR APPROVED EQUAL.
2. A MINIMUM OF FOUR SPACERS SHALL BE USED AND EQUALLY SPACED, MAXIMUM 4" THICKNESS.
3. AN INTERNAL FORM SHALL BE USED TO PREVENT CONCRETE FROM FALLING INTO MANHOLE.
4. A MINIMUM OF ONE RISER RING SHALL BE USED.

QUAD CITY STANDARD DETAIL	MANHOLE FRAME ADJUSTMENT	REVISED: X/17	DETAIL No. 422Q

CITY OF PRESCOTT PUBLIC WORKS

DATE 03/30/2020

SHEET NO. 18 OF 19

DETAILS

WILKINSON DRIVE PAVEMENT IMPROVEMENTS

CITY OF PRESCOTT Everybody's Hometown

PREPARED BY DJC/BRF | CHECKED BY AMS | FOR: COP

Eric M. Stewart — Registered Professional Engineer (Civil) — CERTIFICATE NO. 49652 — ERIC M. STEWART — Date Signed 03/30/20 — ARIZONA, U.S.A.

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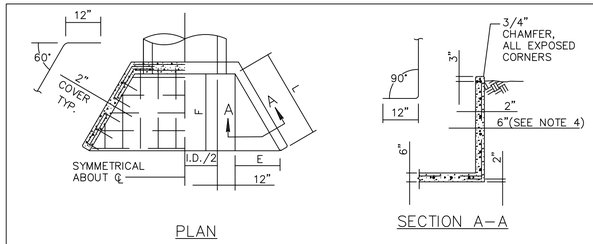
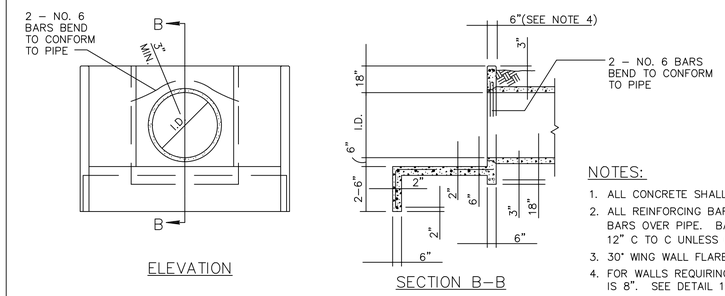


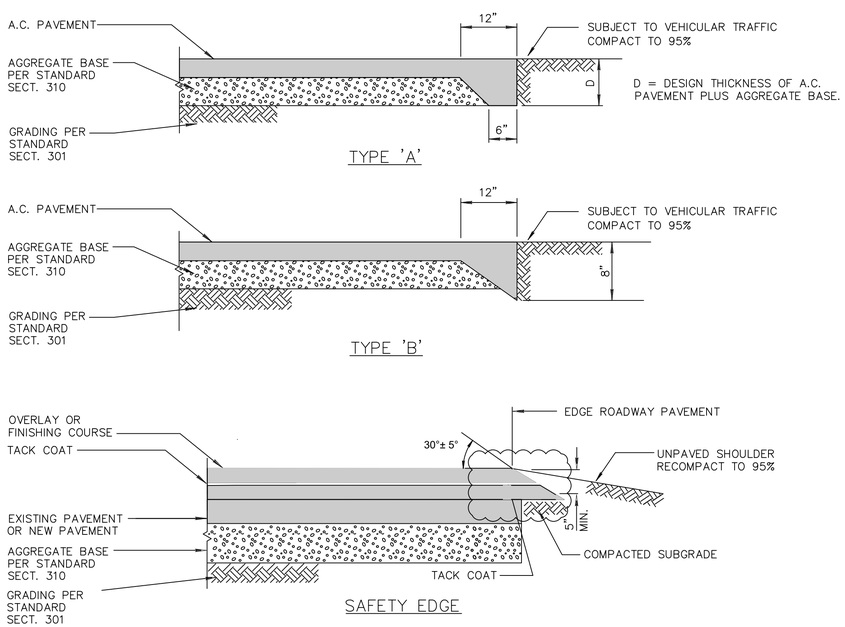


PIPE I.D.	DIMENSIONS L	E	F (APPROX)
18"	2'–0"	1'–0"	1'–9"
24"	2'–0"	1'–0"	1'–9"
30"	3'–0"	1'–6"	2'–7"
36"	4'–0"	2'–0"	3'–6"
42"	5'–0"	2'–6"	4'–4"
48"	6'–0"	3'–0"	5'–2"
54"	7'–0"	3'–6"	6'–1"
60"	8'–0"	4'–0"	6'–11"

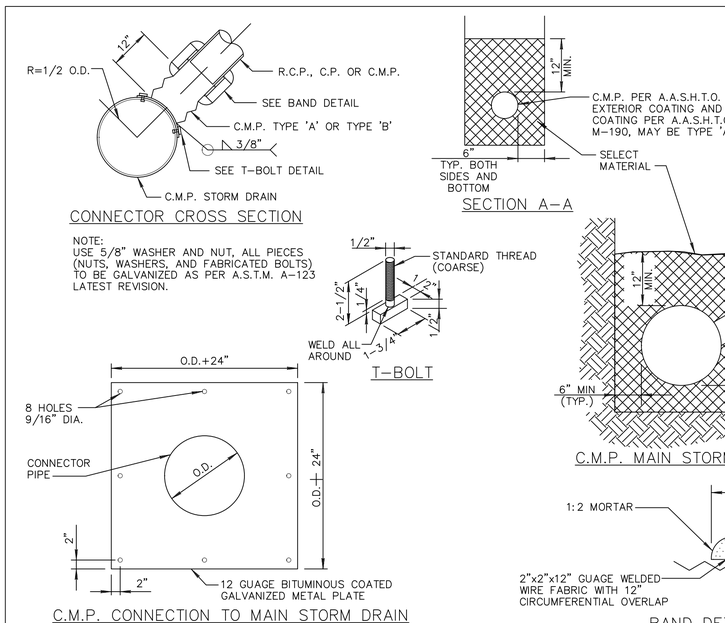
NOTES:

1. ALL CONCRETE SHALL BE CLASS 'A' PER SECT. 725.
2. ALL REINFORCING BARS SHALL BE NO. 4 EXCEPT NO. 6 BARS OVER PIPE. BAR SPACING APPROXIMATELY 12" C TO C UNLESS OTHERWISE NOTED.
3. 30° WING WALL FLARE SHOWN; 45° NORMALLY DESIRABLE.
4. FOR WALLS REQUIRING SAFETY RAIL, MIN. WALL THICKNESS IS 8". SEE DETAIL 145 FOR ADDITIONAL REQUIREMENTS.

DETAIL NO.		STANDARD DETAIL		REVISED	DETAIL NO.
501–4	MARICOPA ASSOCIATION of GOVERNMENTS	ENGLISH	HEADWALL IRRIGATION 18" TO 60" PIPE	01–01–2020	501–4



DETAIL NO.		STANDARD DETAIL		DATE	DETAIL NO.
201	MARICOPA ASSOCIATION of GOVERNMENTS	ENGLISH	ASPHALT PAVEMENT EDGE DETAILS (MODIFIED)	01–01–2014	201



DETAIL NO.		STANDARD DETAIL		REVISED	DETAIL NO.
510	MARICOPA ASSOCIATION of GOVERNMENTS	ENGLISH	CORRUGATED METAL PIPE AND INSTALLATION	01–01–1998	510

CITY OF PRESCOTT PUBLIC WORKS

DATE 03/30/2020

SHEET NO. 19 OF 19

DETAILS

WILKINSON DRIVE PAVEMENT IMPROVEMENTS

CITY OF PRESCOTT Everybody's Hometown

PREPARED BY DJC/BRF | CHECKED BY AMS | FOR: COP

Registered Professional Engineer (Civil) CERTIFICATE NO. 49952 ANDREW MICHAEL STEWART Date Signed 03/30/20 ARIZONA, U.S.A.

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