

# City of Peoria Engineering Department

## JOMAX ROAD WATER MAIN EXTENSION DYSART ROAD TO MCMICKEN WASH Location (T4N, R1W, S2 & T5N, R1W, S35)



CITY OF PEORIA  
ENGINEERING  
DEPARTMENT  
9875 N. 85TH AVENUE  
PEORIA, AZ 85345

monochrome.ctb

Don Fromm

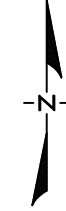
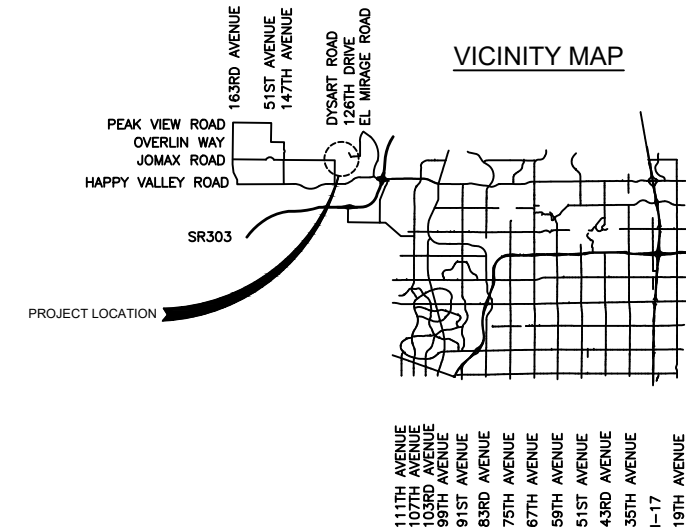
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DESIGN: DPF	DRAWN: TG	CHK: CSS	DATE:
REV	DESCRIPTION	BY	DATE

COVER SHEET  
JOMAX ROAD WATER MAIN EXTENSION  
DYSART ROAD TO MCMICKEN WASH  
PROJECT NO. P65410  
DATE: MAY 6, 2026

PRELIMINARY  
90%  
NOT FOR  
CONSTRUCTION  
OR RECORDING  
DRAWING NO.  
CV01  
SHEET NO.  
1 of 16



CITY COUNCIL

MAYOR  
Jason Beck

COUNCIL MEMBERS

Jennifer Crawford – Vice Mayor  
Michael Finn  
Rick Stokes  
Matt Bullock  
Denette Dunn  
Jon Edwards

AS-BUILT CERTIFICATION:

I CERTIFY THAT THE "AS BUILT" INFORMATION SHOWN HEREON WAS OBTAINED UNDER MY DIRECT SUPERVISION AND IS CORRECT AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

CONTRACTOR: \_\_\_\_\_  
PERMIT NO. \_\_\_\_\_  
APPROVAL DATE: \_\_\_\_\_  
BY CITY INSPECTOR: \_\_\_\_\_

**NOTICE**  
THE CITY OF PEORIA ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE "AS-BUILT" INFORMATION PROVIDED AS PUBLIC RECORD

RECORD DRAWING:

I HEREBY CERTIFY THIS RECORD DRAWING WAS MADE UNDER MY SUPERVISION OR AS NOTED AND ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED PROFESSIONAL ENGINEER      REGISTRATION NO.      DATE

UTILITY DESIGN CONTACTS:

PLANS SUBMITTED TO	DATE SENT	PHONE NUMBER
ARIZONA PUBLIC SERVICE – ELECTRICAL	RONNIE GANDARA 05/08/2026	602-320-7069
CENTURYLINK – LUMEN – FIBER	KEVIN WAGNER 05/08/2026	815-245-9640
COX COMMUNICATIONS – FIBER	JAMES THOMPSON 05/08/2026	623-328-3554
MCI – VERIZON – FIBER	JOAQUIN CAMPOS 05/08/2026	480-952-7450
SOUTHWEST GAS CORPORATION – GAS	MATTHEW MILLER 05/08/2026	480-772-0410
ITS – CITY OF PEORIA	JODI MCKERZIE 05/08/2026	623-773-7000
WATER – CITY OF PEORIA	JENNIFER SOMES 05/08/2026	623-773-7000
WASTEWATER – CITY OF PEORIA	DAN NISSEN 05/08/2026	602-739-8802
WYWERD	MICHAEL CARDWELL 05/08/2026	602-739-8802

CITY OF SURPRISE PROJECT NUMBER P65410  
CITY OF PEORIA PROJECT NUMBER EN00857

APPROVALS:

MARICOPA COUNTY ENVIRONMENTAL SERVICE DEPARTMENT DWR-26- \_\_\_\_\_ DATE

ENGINEERING DIRECTOR \_\_\_\_\_ DATE

PROJECT BENCHMARK

PROJECT BENCHMARK IS CONTROL POINT #99  
LAT: N33°43'31.44215"  
LONG: W112°20'39.65080"  
ELLIPSOID HEIGHT: 1294.844 FT  
ELEVATION: 1392.592 FT  
DESCRIPTION: NGS MONUMENT "0366"  
  
HORIZONTAL DATUM IS BASED ON ARIZONA CENTRAL ZONE (0202), NAD83  
COORDINATES FOR THIS PROJECT HAVE BEEN MODIFIED TO GROUND, AT AN ORIGIN POINT OF N: 991.733.874, E:569.966.997, KNOWN AS NGS MONUMENT "0366", UTILIZING A SCALE FACTOR OF 1.0001426107.

VERTICAL BENCHMARK

VERTICAL DATUM IS THE CITY OF PEORIA POINT 4LC1:  
  
CITY OF PEORIA (GRD)  
N: 991524.69  
E: 549957.16  
ELEV: 1423.77  
DESCRIPTION: 3" ALUM CAP W/DIMPLE  
  
CITY OF PEORIA (GROUND)  
N: 991524.58  
E: 549954.37  
ELEV: 1423.77  
DESCRIPTION: 3" ALUM CAP W/DIMPLE  
  
AS-SURVEYED BY COOPER AERIAL SURVEYS (GROUND)  
N: 991524.67  
E: 549954.31  
ELEV: 1423.77  
DESCRIPTION: 3" ALUM CAP W/DIMPLE

SHEET INDEX:

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OWNER:

CITY OF PEORIA  
9875 N 85TH AVENUE  
PEORIA, AZ 85345  
PH: 623-773-7212  
FAX: 623-773-7211

ENGINEER:

TYLIN INTERNATIONAL  
1475 N SCOTTSDALE ROAD  
SUITE 450  
SCOTTSDALE, AZ 85257, USA  
PH: 480-968-8814



F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	AZ	P65410			

**GENERAL INFORMATION**

- NO PERSON, CORPORATION, CONTRACTOR, OR UTILITY SHALL WORK WITHIN THE RIGHT-OF-WAY, ROAD, STREET, OR EASEMENTS GRANTED FOR PUBLIC USE OR ALLEYS WITHOUT SECURING AN ENGINEERING CONSTRUCTION PERMIT FROM THE ENGINEERING DEPARTMENT.
- ENGINEERING CONSTRUCTION PERMITS ARE REQUIRED FOR GRADING, DRAINAGE, EROSION CONTROL, FLOOD CONTROL, STRUCTURES, HAULING MATERIAL IN EXCESS OF 100 CUBIC YARDS, OILING, GRAVELING OR ANY SURFACING OF ANY STREET, ALLEY, WATER SYSTEM, WASTEWATER SYSTEM, STORM DRAIN SYSTEM, TRENCHING, GAS OR ANY OTHER TYPES OF PIPE LINES, DRYWELLS, PAVING, CURB, GUTTER, SIDEWALKS, DRIVEWAYS (CONCRETE), FLOOD IRRIGATION, LANDSCAPE/IRRIGATION, TRAFFIC SIGNALS, STRIPING AND SIGNAGE, BANK STABILIZATION AND CHANNELIZATION, STREET LIGHTS, WELL ABANDONMENT, UTILITY LINES SUCH AS ELECTRIC, TELEPHONES, TELEVISION, COMMUNICATIONS AND OTHER FRANCHISED FACILITIES.
- EFFECTIVE MAY 13, 2025, IN ACCORDANCE WITH SENATE BILL 1182, ALL CONSTRUCTION ACTIVITY WITHIN THE CITY OF PEORIA MUST COMPLY WITH CHAPTER 13 OF THE CITY CODE RESTRICTING OUTDOOR CONSTRUCTION HOURS AS LISTED BELOW:

CONSTRUCTION TYPE		May 1 – October 15	October 16 – April 30
A	Concrete Work	4:00 AM to 7:00 PM	6:00 AM to 7:00 PM
B	Construction Other Than Concrete (Residential Zones or within 500 ft. of Residential Zone)	5:00 AM to 7:00 PM	7:00 AM to 7:00 PM
C	Construction Other Than Concrete (Commercial and Industrial Zones – more than 500 ft. from Residential Zone)	5:00 AM to 7:00 PM	5:00 AM to 7:00 PM

- THE CITY CODE ALSO ESTABLISHES WORK HOURS IN THE PUBLIC RIGHT-OF-WAY AS FOLLOWS:  
  
NO INTERFERENCE WITH TRAFFIC FLOW ON ARTERIAL STREETS SHALL BE PERMITTED DURING THE HOURS OF 6:00 A.M. TO 8:30 A.M. OR FROM 4:00 P.M. TO 7:00 P.M. UNLESS PRIOR AUTHORIZATION IS OBTAINED IN WRITING BY THE CITY OF PEORIA TRAFFIC ENGINEER OR THEIR DESIGNEE.
- PRIOR TO ISSUANCE OF ENGINEERING CONSTRUCTION PERMITS, THE CONTRACTOR/DEVELOPER MUST PROVIDE THE CITY OF PEORIA WITH THE SPECIFIC INFORMATION AND PAYMENT OF FEES AS LISTED IN CHAPTER 2 OF THE CITY CODE. ANY PERSON, CORPORATION, CONTRACTOR, OR UTILITY COMPANY WORKING IN THE RIGHT-OF-WAY, ROAD, STREET, OR EASEMENTS GRANTED FOR PUBLIC USE OR ALLEYS WITHOUT SECURING A PERMIT IS SUBJECT TO A FINE IN ACCORDANCE WITH CHAPTER 23 OF THE CITY CODE.
- THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN (TCP) SUBMITTAL FORM AND TRAFFIC CONTROL PLAN. THE SUBMITTAL FORM MUST BE SUBMITTED WITH THE TCP VIA EMAIL TO TCP@PEORIAAZ.GOV. FAXED COPIES WILL NOT BE ACCEPTED. FOR QUESTIONS, PLEASE CONTACT THE CITY AT 623-773-7600. THE SUBMITTER/DESIGNER OF THE TCP SHALL BE IMSA OR ATSSA CERTIFIED. THE TCP SHALL COMPLY WITH THE LATEST EDITIONS TO THE MUTCD, CITY OF PHOENIX TRAFFIC BARRICADE MANUAL, MAG SECTION 401, CITY OF PEORIA ENGINEERING STANDARDS, AND ANY SPECIAL CONDITIONS REQUIRED BY THE CITY OF PEORIA. A TCP SHALL BE SUBMITTED TO THE DEVELOPMENT & ENGINEERING DEPARTMENT AND ACCEPTED A MINIMUM OF THREE WORKING DAYS (72 HOURS) PRIOR TO CONSTRUCTION. AN ACCEPTED TCP WILL BE STAMPED AND A COPY RETURNED TO THE CONTRACTOR.
- BARRICADES MUST BE CONTINUALLY MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT. REFER TO CHAPTER 23 OF THE CITY CODE. IF ANY PART OF THE TCP FALLS WITHIN 300' OF A SIGNALIZED INTERSECTION, AN OFF-DUTY OFFICER WILL BE REQUIRED FOR TRAFFIC CONTROL. A COPY OF THE ACCEPTED PLAN MUST REMAIN ON THE JOB SITE AT ALL TIMES.
- REFER TO THE "GENERAL INFORMATION-FINAL ACCEPTANCE OF PROJECTS CHECKLIST" FOR A LIST OF THE REQUIRED CLOSE OUT ITEMS. ANY QUESTIONS SHOULD BE DIRECTED TO THE ENGINEERING INSPECTOR.

**GENERAL NOTES**

- ALL CONSTRUCTION SHALL CONFORM TO THE LATEST EDITION OF THE MARICOPA ASSOCIATION OF GOVERNMENTS' (MAG) UNIFORM STANDARD SPECIFICATIONS AND DETAILS FOR PUBLIC WORKS CONSTRUCTION. THE LATEST EDITION OF THE CITY OF PEORIA INFRASTRUCTURE DESIGN GUIDELINES, THE CITY OF PEORIA SUPPLEMENT TO MARICOPA ASSOCIATION OF GOVERNMENTS UNIFORM STANDARDS DETAILS AND CITY OF PHOENIX STANDARD DETAILS WILL CONTINUE TO APPLY WHERE SUCH DETAILS WERE NOT ADOPTED OR INCLUDED BY MAG. ALTERNATE DETAILS AND SPECIFICATIONS MAY BE SUBMITTED FOR REVIEW AND ACCEPTANCE BY THE ENGINEERING DEPARTMENT. IF ACCEPTED, ALTERNATE DETAILS WILL BE SHOWN AS PART OF THE APPROVED PLANS/DETAIL SHEETS.
- THIS SET OF PLANS HAS BEEN REVIEWED FOR COMPLIANCE WITH CITY REQUIREMENTS PRIOR TO ISSUANCE OF ENGINEERING CONSTRUCTION PERMITS. HOWEVER, SUCH REVIEW SHALL NOT PREVENT THE ENGINEERING DIRECTOR FROM REQUIRING CORRECTION OF ERRORS OR OMISSIONS IN PLANS FOUND TO BE IN VIOLATION OF ANY LAW OR ORDINANCE.
- APPROVAL BY THE DEVELOPMENT & ENGINEERING DIRECTOR MEANS FOR GENERAL LAYOUT IN RIGHT-OF-WAY ONLY. THIS APPROVAL OF CONSTRUCTION PLANS IS VALID FOR A PERIOD OF 9 MONTHS. ENGINEERING CONSTRUCTION PERMITS SHALL BE OBTAINED WITHIN THIS PERIOD OR THE PLANS SHALL BE RESUBMITTED FOR APPROVAL. WORK SHALL ALSO BE CONTINUOUSLY PURSUED IN ORDER TO MAINTAIN A VALID PLAN APPROVAL AND PERMIT. APPROVAL IS ONLY FOR WORK WITHIN THE JURISDICTION OF THE CITY OF PEORIA.
- THE DEVELOPMENT & ENGINEERING DIRECTOR DOES NOT WARRANT ANY QUANTITIES SHOWN ON THESE PLANS.
- ENGINEERING CONSTRUCTION PERMITS FOR ANY WORK WITHIN THE RIGHT-OF-WAY AND EASEMENTS, AND ANY GRADING AND DRAINAGE, WHETHER ON-SITE OR OFF-SITE, IS REQUIRED PRIOR TO COMMENCING WORK. THE BUILDING PERMIT SHALL NOT BE CONSTRUED IN ANY WAY AS PERMISSION TO COMMENCE WORK COVERED BY AN ENGINEERING CONSTRUCTION PERMIT. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR/DEVELOPER TO UNDERSTAND THE WORK COVERED BY VARIOUS PERMITS.
- THE DEVELOPMENT & ENGINEERING DEPARTMENT, INSPECTION DIVISION, SHALL BE NOTIFIED 24 HOURS PRIOR TO ANY CONSTRUCTION WORK BY TELEPHONE AT (623) 773-8445. ANY WORK CONCEALED WITHOUT INSPECTION SHALL BE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S/DEVELOPER'S EXPENSE.
- AN APPROVED SET OF PLANS MUST BE AVAILABLE ON THE JOB SITE AT ALL TIMES. THE CONTRACTOR'S/DEVELOPER'S REPRESENTATIVE (CAPABLE OF COMMUNICATING WITH THE CITY'S REPRESENTATIVES) SHALL BE ON THE JOB AT ALL TIMES THE WORK IS BEING PURSUED.
- THE CONTRACTOR/DEVELOPER IS RESPONSIBLE TO PROVIDE EMERGENCY TELEPHONE NUMBERS TO THE CITY OF PEORIA AT TIME OF ISSUANCE OF ENGINEERING CONSTRUCTION PERMITS AND HAVE PERSONNEL AVAILABLE 24-HOURS A DAY TO RESPOND TO EMERGENCIES. IF THE CITY IS REQUIRED TO RESPOND AND MAKE EMERGENCY REPAIRS ON BEHALF OF THE CONTRACTOR/DEVELOPER, THE CONTRACTOR/DEVELOPER IS RESPONSIBLE TO REIMBURSE THE CITY FOR ALL COSTS INCURRED.
- IT SHALL BE THE RESPONSIBILITY OF THE PERMITTEE TO ARRANGE FOR THE RELOCATION AND RELOCATION COSTS OF ALL UTILITIES, AND SUBMIT A UTILITY RELOCATION SCHEDULE PRIOR TO THE ISSUANCE OF AN ENGINEERING CONSTRUCTION PERMIT.
- ALL UNDERGROUND TANKS REQUIRE A PERMIT FROM THE FIRE DEPARTMENT PRIOR TO REMOVAL.
- THE PROCEDURES AND METHODS USED TO SAMPLE, TEST MATERIALS, AND REPORT TEST RESULTS WILL BE DETERMINED BY THE ENGINEERING DEPARTMENT. FOR ALL PHASES OF CONSTRUCTION, THE TYPE, SCHEDULING, FREQUENCY AND LOCATION OF ALL MATERIALS TESTING AND SAMPLING SHALL BE DETERMINED BY THE ENGINEERING DEPARTMENT. ALL TEST RESULTS SHALL BE REPORTED DIRECTLY (IN WRITING) TO THE ENGINEERING DEPARTMENT. FOR EACH PHASE OF CONSTRUCTION, TEST RESULTS (IN WRITING) MUST BE RECEIVED FROM THE TESTING LABORATORY, PRIOR TO START OF THE NEXT PHASE OF CONSTRUCTION.
- THE CONTRACTOR/DEVELOPER MUST GIVE A LOCATION FOR WASTING EXCESS EXCAVATION AND A LETTER FROM THE OWNER GIVING PERMISSION FOR DUMPING PRIOR TO STARTING ON-SITE CONSTRUCTION
- IT IS THE CONTRACTOR/DEVELOPER'S SOLE RESPONSIBILITY TO VERIFY THE PRESENCE AND LOCATION OF ALL EXISTING OVERHEAD AND/OR UNDERGROUND UTILITIES THAT MAY INTERFERE WITH THIS CONSTRUCTION, WHETHER OR NOT SAID UTILITIES ARE SHOWN ON THE CONSTRUCTION PLANS FOR THIS PROJECT AND TO ADEQUATELY PROTECT AND MAINTAIN ANY SUCH UTILITIES.
- THE DEVELOPMENT & ENGINEERING DEPARTMENT DOES NOT ASSUME ANY LIABILITY FOR ERRORS OF LINE AND/OR GRADE ON ANY STAKING WHICH HAS BEEN DISTURBED IN ANY WAY, NOR DOES THE DESIGN ENGINEER ASSUME ANY LIABILITY FOR ERRORS OF LINE AND/OR GRADE ON ANY STAKING THAT HAS BEEN IN PLACE FOR A PERIOD OF 24-HOURS OR MORE WITHOUT THE COMMENCEMENT OF THE CONSTRUCTION FOR WHICH IT WAS SET.
- THE CONTRACTOR/DEVELOPER SHALL CONTACT BLUE STAKE (602) 263-1100 PRIOR TO CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN CURRENT BLUE STAKE MARKINGS THROUGHOUT CONSTRUCTION.
- THE CONTRACTOR/DEVELOPER SHALL OBTAIN A FIRE HYDRANT METER FOR CONSTRUCTION FROM THE MANAGEMENT SERVICES DEPARTMENT, CUSTOMER SERVICES. CONTACT CUSTOMER SERVICE AT (623) 773-7160 TO SCHEDULE THE RELOCATION OF HYDRANT METERS. CONTRACTORS SHALL NOT RELOCATE HYDRANT METERS THEMSELVES.
- ALL CONTRACTORS/DEVELOPERS ARE RESPONSIBLE TO CONSTRUCT STABILIZED CONSTRUCTION ENTRANCES IN ORDER TO REDUCE OR ELIMINATE THE TRACKING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAYS OR STREETS. GRAVEL TRACK-OUT PADS SHALL MEET CURRENT MARICOPA COUNTY STANDARDS.

**GENERAL NOTES – CONTINUED**

- ALL DRAINAGE PROTECTIVE DEVICES SUCH AS SWALES, INTERCEPTION DITCHES, PIPES PROTECTIVE BERMS, CONCRETE CHANNELS OR OTHER MEASURES DESIGNED TO PROTECT IMPROVEMENTS, WHETHER EXISTING OR PROPOSED, FROM RUNOFF OR DAMAGE FROM STORM WATER, MUST BE CONSTRUCTED PRIOR TO THE CONSTRUCTION OF ANY IMPROVEMENTS.
- TRAFFIC CONTROL SHALL CONFORM TO THE CITY OF PHOENIX TRAFFIC BARRICADE MANUAL, MUTCD, AND THE CITY OF PEORIA ENGINEERING STANDARDS MANUAL.
- ANY AND ALL OBSTRUCTIONS WITHIN THE RIGHTS-OF-WAY AND EASEMENTS SHALL BE REMOVED BEFORE ANY CONSTRUCTION IS COMMENCED.
- ALL CONTRACTORS/DEVELOPERS ARE RESPONSIBLE TO OBTAIN A NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT IN ACCORDANCE WITH FEDERAL AND STATE REGULATIONS, INCLUDING NOTICE OF INTENT (NOI), NOTICE OF TERMINATION, AND STORM WATER POLLUTION PREVENTION PLAN (SWPPP). A COPY OF THE NOI AND SWPPP SHALL BE AVAILABLE ON THE JOB SITE AT ALL TIMES. ALL SWPPP PLANS MUST INCLUDE THE NOI TRACKING NUMBER ADMINISTERED BY ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY (ADEQ) ON THE BOTTOM RIGHT HAND CORNER OF THE SHEET.
- ALL CONTRACTORS/DEVELOPERS ARE RESPONSIBLE TO OBTAIN THE NECESSARY 401 AND 404 PERMITS. A COPY OF THE PERMIT SHALL BE SUBMITTED TO THE CITY PRIOR TO APPROVAL OF THE GRADING AND DRAINAGE PLANS.
- CONTRACTOR/DEVELOPER SHALL OBTAIN ANY AND ALL PERMITS AS REQUIRED BY OTHER AGENCIES WHICH HAVE JURISDICTION AT THE CONTRACTOR/DEVELOPER'S EXPENSE. THE CONTRACTOR/DEVELOPER SHALL MEET THE REQUIREMENTS OF THESE PERMITS AS SET FORTH THEREIN.
- THE CONTRACTOR/DEVELOPER IS SOLELY RESPONSIBLE FOR ALL JOB SITE SAFETY, INCLUDING BUT NOT LIMITED TO MEETING ALL REQUIREMENTS OF OSHA AND ADOHS. THE CITY OF PEORIA ENGINEERING INSPECTOR IS NOT AUTHORIZED TO ADVISE OR DIRECT THE CONTRACTOR/DEVELOPER REGARDING MATTERS OF JOB SITE SAFETY. SHOULD THE CONTRACTOR/DEVELOPER ACT ON SUCH ADVICE OR DIRECTION, IT IS AT THE RISK OF THE CONTRACTOR/DEVELOPER.
- PER THE MARICOPA COUNTY AIR POLLUTION CONTROL RULES AND REGULATIONS ON EARTH MOVING EQUIPMENT PERMITS, NO PERSON SHALL CAUSE OR PERMIT THE USE OF ANY POWER OF MECHANICAL EQUIPMENT FOR COMMERCIAL PURPOSES TO CLEAR, EXCAVATE OR LEVEL LAND, INCLUDING BUT NOT LIMITED TO BLASTING, DEMOLITION, ROAD AND STREET CONSTRUCTION, SWIMMING POOL EXCAVATING, TRENCHING, VEGETATION REMOVAL, OR ENGAGE IN ANY OTHER EARTH MOVING ACTIVITIES WITHOUT FIRST OBTAINING A PERMIT FROM THE MARICOPA COUNTY ENVIRONMENTAL SERVICES DEPARTMENT. THE PROPERTY OWNER, LESSEE, DEVELOPER, OR PRIME CONTRACTOR WILL BE RESPONSIBLE FOR ACQUIRING THE PERMIT.  
  
IF THE ABOVE REFERENCED DEVELOPMENT HAS WORK THAT NEEDS TO BE DONE IN THE MARICOPA COUNTY RIGHT-OF-WAY, PLEASE OBTAIN ALL PERMITS FROM THE MARICOPA COUNTY DEPARTMENT OF TRANSPORTATION. THE ENGINEERING CONSTRUCTION PERMITS ISSUED BY THE CITY OF PEORIA DO NOT COVER THE MARICOPA COUNTY RIGHT-OF-WAY.



NO.	REVISION	BY	APPR	DATE

DESIGN	DPF	02/26	<b>CITY OF PEORIA</b> <b>ENGINEERING DEPARTMENT</b>  <b>GENERAL NOTES AND LEGEND</b>	<b>PRELIMINARY</b>  <b>90%</b>  NOT FOR CONSTRUCTION OR RECORDING
DRAWN	TG	02/26		
CHECKED	CSS	02/26		
		<b>JOMAX RD - DYSART RD TO MCMICKEN WASH</b>		SHEET 2 OF 16

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 Dan Fromm  
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**WATER NOTES**

- A CITY OF PEORIA ENGINEERING CONSTRUCTION PERMIT IS REQUIRED. OTHER PERMITS, AS REQUIRED, SHALL BE SECURED FROM THE APPROPRIATE AGENCY (I.E., COUNTY PERMITS FOR COUNTY RIGHT-OF-WAY).
- ACCEPTABLE WATER LINE MATERIALS ARE PER CITY OF PEORIA ENGINEERING STANDARDS. THE CONTRACTOR SHALL NOT DEVIATE FROM THE MATERIALS SPECIFIED BY THE DESIGN ENGINEER ON THE CONTRACT DOCUMENTS WITHOUT WRITTEN APPROVAL FROM THE DESIGN ENGINEER AND THE WATER SERVICES DEPARTMENT.
- WATER LINE AND GRADE STAKES SHALL BE SET BY A QUALIFIED ARIZONA REGISTERED LAND SURVEYOR AND/OR THEIR REPRESENTATIVE PRIOR TO THE CONSTRUCTION OF WASTEWATER LINES. THE QUALIFIED ARIZONA REGISTERED LAND SURVEYOR AND/OR THEIR REPRESENTATIVE SHALL VERIFY THAT THE GRADES CONFORM TO THE APPROVED CONSTRUCTION PLANS AND PROVIDE CUT SHEETS TO THE CONTRACTOR AND ENGINEERING INSPECTOR. AFTER INSTALLATION AND PRIOR TO THE DEVELOPMENT & ENGINEERING DEPARTMENT ACCEPTANCE, THE ENGINEER OF RECORD SHALL CERTIFY THAT WATER LINE INSTALLATION CONFORMS TO THE APPROVED CONSTRUCTION PLANS.
- TRENCH EXCAVATION, BACKFILLING AND COMPACTION SHALL CONFORM TO MAG STANDARD SPECIFICATION SECTION 601 EXCEPT AS MODIFIED HEREIN.
- BEDDING AND BACKFILL FOR WATER LINES SHALL CONFORM TO THE REQUIREMENTS OF MAG STANDARD DETAILS 200-1, 200-2, 200-3, TRENCH BACKFILL AND SURFACE REPLACEMENT.
- BACKFILL SHALL BE TYPE I AS DEFINED IN SECTION 601.4.3 OF THE MAG STANDARD SPECIFICATIONS.
- THE MINIMUM COVER FROM FINISH GRADE TO TOP OF PIPE FOR ALL WATERLINES WHICH ARE LESS THAN 12-INCHES IN DIAMETER LOCATED IN MAJOR STREETS SHALL BE AS SPECIFIED BY THE DESIGN ENGINEER, BUT NO LESS THAN 48-INCHES UNLESS APPROVED IN WRITING BY THE WATER SERVICES DIRECTOR.
- THE MINIMUM COVER FROM FINISH GRADE TO TOP OF PIPE FOR ALL WATERLINES WHICH ARE 12-INCHES IN DIAMETER OR LARGER, LOCATED IN MAJOR STREETS SHALL BE AS SPECIFIED BY THE DESIGN ENGINEER, BUT NO LESS THAN 60-INCHES UNLESS APPROVED IN WRITING BY THE WATER SERVICES DIRECTOR.
- THE MINIMUM COVER FROM FINISH GRADE TO TOP OF PIPE FOR ALL WATERLINES IN OTHER LOCATIONS SHALL BE AS SPECIFIED BY THE DESIGN ENGINEER, BUT NO LESS THAN 36-INCHES FOR LINES LESS THAN 12-INCHES IN DIAMETER AND 48-INCHES FOR LINES 12-INCHES AND LARGER IN DIAMETER. ANY PROPOSED CHANGES TO THIS REQUIREMENT MUST BE APPROVED IN WRITING BY THE WATER SERVICES DIRECTOR.
- ALL STUB-OUTS SHALL HAVE A 2-INCH BRASS BALL CORP-STOP AS A BLOW-OFF, LEFT IN PLACE WITH A 2-INCH RISER, PER MAG TANDARD DETAIL 390 "A," AND SHALL BE ACCESSIBLE TO USE.
- FIRE HYDRANTS SHALL CONFORM TO CITY OF PEORIA STANDARD DETAILS PE-360-1 OR PE-360-2, AS APPLICABLE. THE FIRE HYDRANT MANUFACTURER SHALL BE PER CITY OF PEORIA ENGINEERING STANDARDS.
- ALL VALVES 16-INCHES AND SMALLER SHALL BE PER MAG 630 WITH RESILIENT SEAT AWWA APPROVED GATE VALVES AND SHALL OPEN BY TURNING COUNTER-CLOCKWISE.
- VALVES SHALL NOT BE LOCATED IN SIDEWALKS, GUTTERS, CURB, OR VALLEY GUTTERS.
- ALL VALVE BOXES SHALL CONFORM TO MAG STANDARD DETAIL 391-1, TYPE A AND CITY OF PEORIA STANDARD DETAIL PE 270.
- CONTRACTORS SHALL NOT OPERATE VALVES ON THE EXISTING CITY SYSTEM.
- TO REQUEST A WATER SYSTEM SHUT DOWN A "WATER SYSTEM SHUT DOWN REQUEST" FORM MUST BE SUBMITTED. THIS FORM SHALL BE SUBMITTED 10 DAYS IN ADVANCE OF ANY REQUESTS TO SHUT DOWN ANY LINES IN THE CITY OF PEORIA'S POTABLE WATER DISTRIBUTION SYSTEM. THE FORM IS TO BE SUBMITTED THROUGH THE ENGINEERING INSPECTOR ASSIGNED TO THE PROJECT, WHICH WILL IN TURN COORDINATE WITH NECESSARY UTILITY STAFF. FAILURE TO COMPLETE THIS FORM MAY RESULT IN DELAYS TO CONSTRUCTION ACTIVITIES.
- WATER LINES SHALL BE INSTALLED IN SUCH A MANNER TO MINIMIZE DIPS OR HIGH POINTS. ALL WATER LINES SHALL BE PARALLEL TO THE STREET CENTERLINES OR PROPERTY LINES, OR AS CLOSE AS POSSIBLE, UNLESS THE DESIGN DOCUMENTS INDICATE OTHERWISE. ALL HORIZONTAL DEFLECTIONS IN WATER LINES SHALL COMPLY WITH THE PIPE MANUFACTURER'S RECOMMENDATIONS FOR DEFLECTION AT JOINTS. 50% OF THE RECOMMENDED DEFLECTION WILL BE ALLOWED.

**WATER NOTES - CONTINUED**

- ALL JOINT RESTRAINTS SHALL BE INSPECTED PRIOR TO BACKFILL. FOR THRUST RESTRAINTS, REINFORCING STEEL AND FORM WORK SHALL BE INSPECTED PRIOR TO PLACING CONCRETE FOR THRUST BLOCKS. THRUST RESTRAINT SHALL CONFORM TO MAG STANDARD SPECIFICATION 610.4 AND MAG STANDARD DETAILS 301,340, 380 AND 381.
- WATER SERVICES 2-INCHES AND SMALLER IN DIAMETER SHALL CONFORM TO THE CITY OF PEORIA STANDARD DETAIL PE-363. THE MINIMUM SIZE SERVICE CONNECTION SHALL BE 1-INCH.
- WATER SERVICE LINES SHALL NOT BE LOCATED UNDER DRIVEWAYS, CONCRETE APRONS, SCUPPERS, CATCH BASINS, OR THE LIKE.
- WATER LINES SHALL NOT BE LOCATED WITHIN RETENTION/DETENTION BASIN AREAS.
- ALL WATER VALVES LOCATED OUTSIDE PAVED AREAS SHALL HAVE A CONCRETE COLLAR, AND UTILITY MARKER PER CITY OF PEORIA ENGINEERING STANDARDS.
- ALL WATER LINES REQUIRE THE INSTALLATION OF METALLIC LOCATING TAPE, WHICH SHALL BE INSTALLED IN ACCORDANCE WITH MAG SPEC. 616.4 WITH THE FOLLOWING EXCEPTIONS: THE TAPE SHALL BE SOLID BLUE IN COLOR, PRINTED WITH THE WORDS "CAUTION POTABLE WATER LINE BELOW", AND INSTALLED DIRECTLY ABOVE THE ABC COURSE, APPROXIMATELY 1-FOOT ABOVE THE TOP OF THE PIPE.
- ALL PAVEMENT REPLACEMENT SHALL CONFORM TO MAG STANDARD DETAIL 200 WITH A "T-TOP" - MODIFIED WITH A 1/2- SACK PORTLAND CEMENT ABC SLURRY, WHICH CONFORMS TO MAG STANDARD SPECIFICATION 728, (MODIFIED FOR 1/2-SACK PORTLAND CEMENT), FOR TRENCH BACKFILL FROM 1-FOOT ABOVE THE TOP OF PIPE TO THE EXISTING PAVEMENT SUBGRADE. PAVEMENT REPLACEMENT THICKNESS SHALL BE AS SPECIFIED BY THE DESIGN ENGINEER ON THE CONTRACT DOCUMENTS 4-INCHES, OR THE EXISTING ASPHALT PAVEMENT THICKNESS; WHICHEVER IS GREATER.
- PRESSURE TESTING SHALL NOT BE CONDUCTED UNTIL AFTER THE CONTRACTOR HAS PRETESTED 100% OF THE LINES. INSPECTION TESTING MUST BE CALLED FOR 24 HOURS IN ADVANCE. WATER LINES MUST PASS PRESSURE TESTING AFTER DRY UTILITIES ARE INSTALLED AND PRIOR TO ANY CONCRETE WORK, STREET WORK, OR FINAL ACCEPTANCE OF THE WASTEWATER.
- ALL MAINS SHALL BE CHLORINATED IN CONFORMANCE WITH THE CITY OF PEORIA ENGINEERING STANDARDS MANUAL.
- THE CONTRACTOR SHALL NOT CONNECT TO ANY EXISTING PUBLIC WATER LINES WITHOUT PRIOR APPROVAL OF THE ENGINEERING INSPECTOR.
- THE FOLLOWING MAG UNIFORM STANDARD DETAILS ARE SPECIFICALLY NOT APPROVED.
  - NO. 345-2 4-INCH, 6-INCH WATER METER
  - NO. 360 FIRE HYDRANT INSTALLATION
  - NO. 389 CURB STOP WITH VALVE BOX & COVER
  - NO. 391-1 VALVE BOX INSTALLATION AND GRADE ADJUSTMENT, TYPES "B" & "C"
- THE CONTRACTOR IS RESPONSIBLE TO NOTIFY THE ENGINEER OF RECORD BEFORE THE WATER LINE OR FITTINGS ARE BACKFILLED SO "AS-BUILT" MEASUREMENTS MAY BE TAKEN. ANY CHANGES TO THE APPROVED PLANS MUST BE AUTHORIZED BY THE ENGINEER OF RECORD AND THE DEVELOPMENT & ENGINEERING DIRECTOR BEFORE THE CHANGE IS MADE IN THE FIELD.
- A CERTIFICATE OF APPROVAL OF CONSTRUCTION (AOC) ISSUED BY THE MARICOPA COUNTY ENVIRONMENTAL SERVICES DEPARTMENT, IS REQUIRED PRIOR TO FINAL PROJECT ACCEPTANCE. A COPY SHALL BE PROVIDED TO THE CITY ENGINEERING INSPECTOR. NOTE: IT SHOULD BE NOTED THAT THE ENGINEER OF RECORD OR DESIGNEE SHALL BE PRESENT DURING TESTING PROCEDURES SO THAT THE REQUIREMENTS OF THE AOC CAN BE COMPLETED IN FULL.

**LEGEND AND SYMBOLS**

---	U <sub>s</sub>	EXISTING UNDERGROUND ELECTRIC
---	12"W	EXISTING WATER
---	8"SS	EXISTING SEWER
---	16"G	EXISTING GAS
---	T	EXISTING TELEPHONE
---	CTV	EXISTING CABLE TV
---	FO	EXISTING FIBER OPTIC
---	SD <sub>x</sub>	EXISTING STORM DRAIN
⊕		PROPOSED FIRE HYDRANT
⊗		PROPOSED WATER VALVE
○		PROPOSED SEWER MANHOLE
⊗		EXISTING WATER VALVE
⊕		EXISTING SEWER MANHOLE
⊕	1002	EXISTING CONTOURS
⊕		EXISTING FIRE HYDRANT
⊕		SURVEY MONUMENT
⊕		PROPOSED STREET SIGN BASE
⊕		EXISTING ELECTRICAL BOX
⊕		EXISTING IRRIGATION VALVE
⊕		EXISTING STORM DRAIN MANHOLE
⊕		UNISTORM
⊕		STORM DRAIN
---	FL=	FLOW LINE ELEVATION
---	VG=	VALLEY GUTTER ELEVATION
---		EX CONCRETE
---		PROPOSED CONCRETE
---		GEOGRID
---		MEDIAN PAVERS
---		PAVEMENT PRESERVATIVE SEAL
---		NEW PAVEMENT
---		EXISTING RIP RAP
---		PROPOSED RIP RAP
---		REUSE EXISTING RIP RAP
---		REMOVE AND SALVAGE EXISTING RIP RAP
---		EXISTING GUARDRAIL
---		DAYLIGHT CUT LINE
---		DAYLIGHT FILL LINE
---		RIGHT OF WAY
---		CENTER LINE
---		EASEMENT
---		FLOW LINE
---		HANDRAIL
---	STA	CENTERLINE STATIONING
---	P=	PAVEMENT ELEVATION
---	STA	CENTERLINE STATIONING
---	TC=	TOP OF CURB ELEVATION
---	G=	GUTTER ELEVATION

**ABBREVIATIONS**

AB	AGGREGATE BASE	INT	INTERSECTION
ABT	ABUTMENT	INV=	INVERT ELEVATION
AC	ASPHALT CONCRETE	LT	LEFT
APN	ASSESSORS PARCEL NUMBER	L	LENGTH
APPR	APPROXIMATE	L1	LINE DATA
BF	BACK FACE	LB	POUNDS
BIT	BITUMINOUS	LF	LINEAR FOOT
BJF	BITUMINOUS JOINT FILLER	L/G	LIP OF GUTTER
BW, BKWL	BACK WALL	LN	LANE
BP	BEGIN POINT	MIN	MINIMUM
BRG	BRIDGE	M.R.	MOVEMENT RANGE
BTM	BOTTOM	MUE	MULTI-USE EASEMENT
C1	BACK OF CURB CURB DATA	NO.	NUMBER
CL	CENTER LINE	NTS	NOT TO SCALE
C&G	CURB AND GUTTER	OPT	OPTIONAL
CLR	CLEAR	PC	POINT OF CURVATURE
COP	CITY OF PEORIA	PCC	POINT OF COMPOUND CURVATURE
CONC	CONCRETE	PH	PHASE, POTHOLE
CONST.	CONSTR.	PI	POINT OF INTERSECTION
CONT	CONTINUOUS	PL	PLATE
CTV	CABLE TELEVISION	PRC	POINT OF REVERSE CURVATURE
CY	CUBIC YARD	PSI	POUNDS PER SQUARE INCH
DG	DECOMPOSED GRANITE	PT	POINT OF TANGENCY
DET, DTL	DETAIL	PVI	POINT OF VERTICAL INTERSECTION
DWG	DRAWING	R	RADIUS
DUC	DRY UTILITY CORRIDOR	RCBC	REINFORCE CONCRETE BOX CULVERT
EA	EACH	RDWY	ROADWAY
E/B, EB	EASTBOUND	REINF	REINFORCE
E.F.	EACH FACE	RGRCP	RUBBER GASKET REINFORCED CONCRETE PIPE
ESMT	EASEMENT	RT	RIGHT
ELECT	ELECTRIC	R/W	RIGHT-OF-WAY
ELEV	ELEVATION	SEC	SECTION
EP	EDGE OF PAVEMENT, END POINT	SF	SQUARE FEET
EQ SPA	EQUAL SPACING	SPA	SPACING
EXP	EXPANSION	STA	STATION
EX, EXIST., EXST.	EXISTING	STD	STANDARD
FFB	FIRST FLUSH BASIN	SWLK, S/W	SIDEWALK
F/C	FACE OF CURB	SY	SQUARE YARD
FG	FINISHED GRADE	TC, TOC	TOP OF CURB
FL	FLOW LINE	TCE, T.C.E.	TEMPORARY CONSTRUCTION EASEMENT
FO	FIBER OPTIC	TG	TOP OF GRATE
G	GUTTER	TYP	TYPICAL
GB	GRADE BREAK	VAR	VARIES
G.C.	GENERAL CONTRACTOR	VERT, V	VERTICAL
HORIZ, H	HEIGHT, HORIZONTAL	W/B, WB	WESTBOUND



NO.	REVISION	BY	APPR	DATE

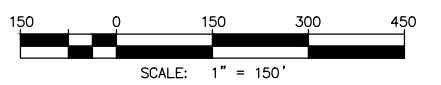
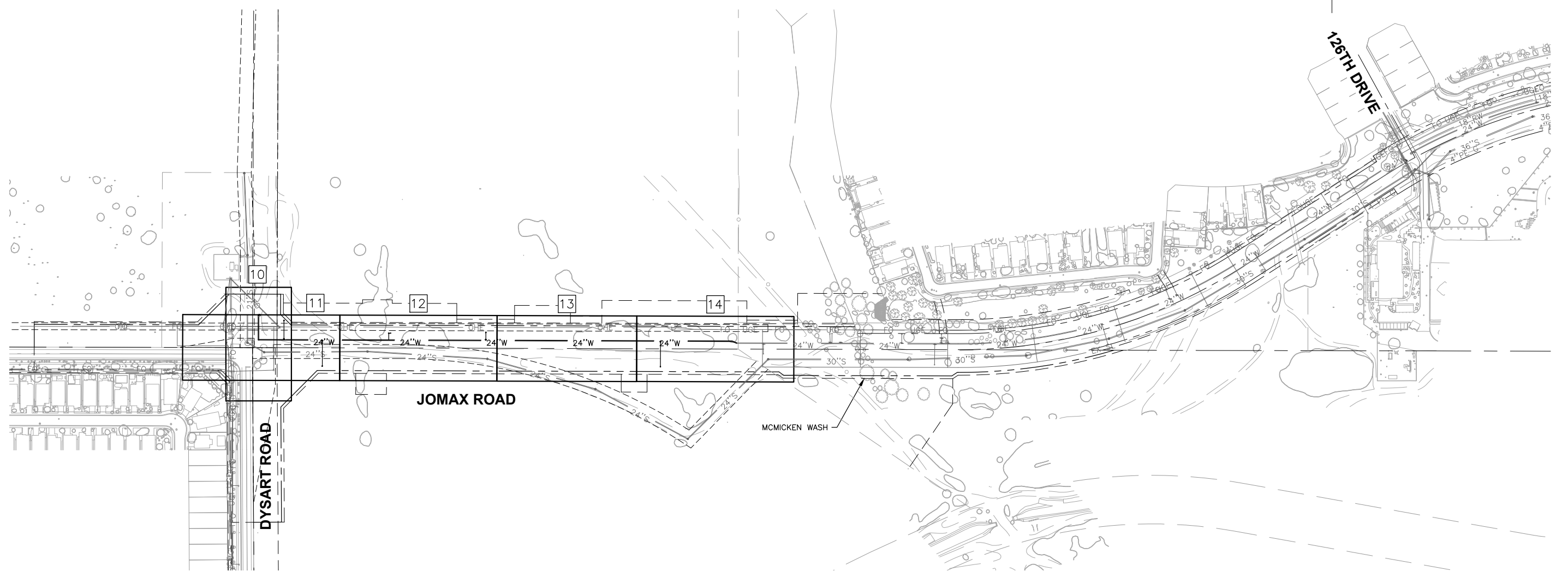
DESIGN	NAME	DATE	CITY OF PEORIA ENGINEERING DEPARTMENT	PRELIMINARY  90%
DRAWN	DPF	02/26		
CHECKED	TG	02/26		
T.M. Lin			GENERAL NOTES AND LEGEND	NOT FOR CONSTRUCTION OR RECORDING
DRAWING NO.	LOCATION	JOMAX RD - DYSART RD TO MCMICKEN WASH		
GNO2		SHEET 3 OF 16		

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F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	AZ	P65410			

**KEY MAP LEGEND**

# WATER PLANS



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.	REVISION	BY	APPR	DATE

DESIGN	NAME	DATE
	DPF	02/26
DRAWN	TG	02/26
CHECKED	CSS	02/26

**CITY OF PEORIA**  
**ENGINEERING DEPARTMENT**

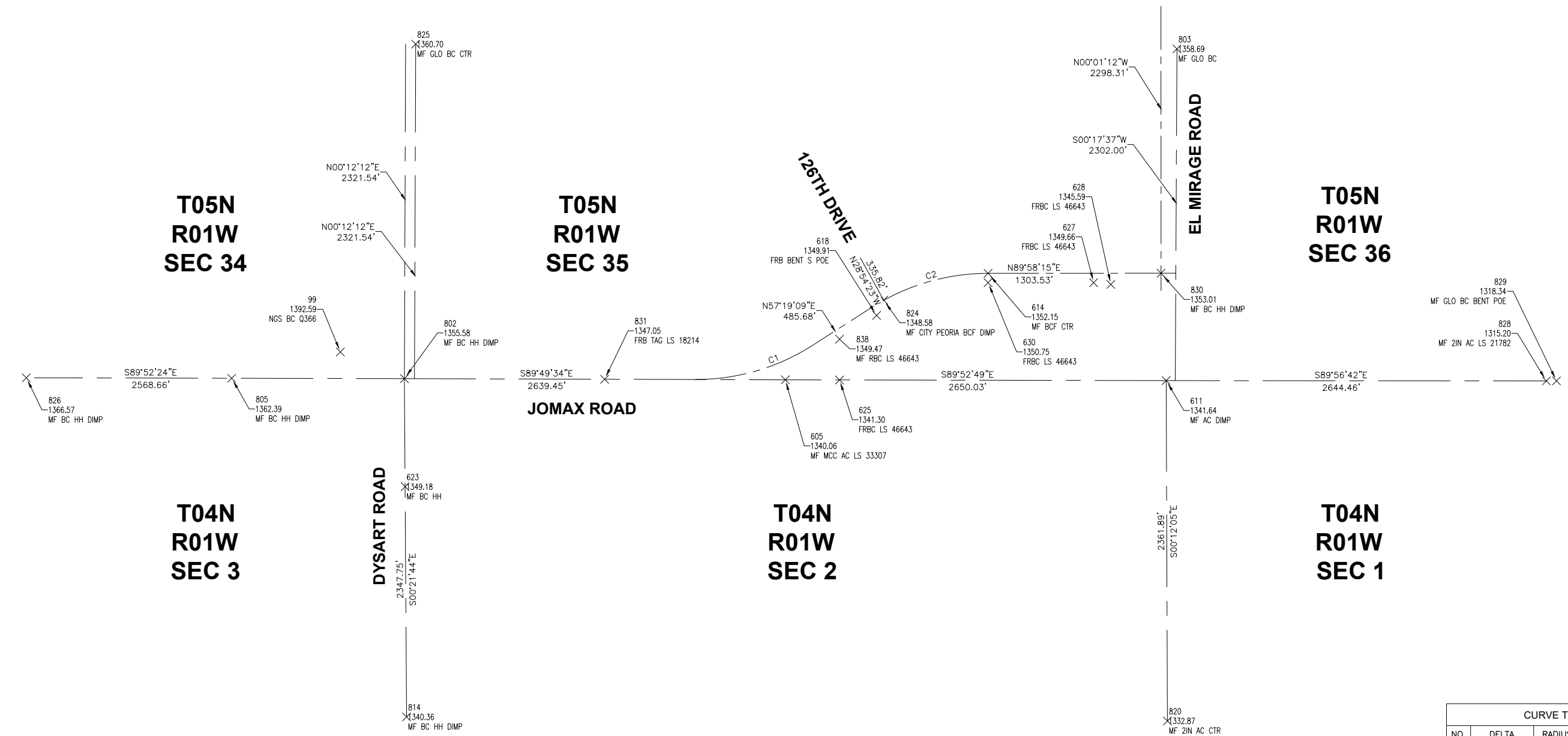
**KEY MAP**

**PRELIMINARY**  
**90%**  
 NOT FOR CONSTRUCTION OR RECORDING

DRAWING NO. **KMO1** LOCATION **JOMAX RD - DYSART RD TO MCMICKEN WASH** SHEET **4** OF **16**



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NO.	DELTA	RADIUS	LENGTH	TANGENT
C1	N73°44'47"E	1500.00'	860.13'	442.25'
C2	N73°38'42"E	1500.00'	854.82'	439.37'

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
99	991733.874	569966.997	1392.592	NGS BC Q366
802	991548.992	570411.697	1355.585	MF BC HH DIMP
803	993837.356	575775.844	1358.690	MF GLO BC
804	991513.868	583622.446	1294.412	MF GLO BC
805	991551.608	569212.175	1362.390	MF BC HH DIMP
810	991557.410	565146.403	1374.745	MF ACF DIMP LS 19820
811	991557.272	565203.992	1374.141	MF ACF DIMP LS 19820
812	991524.666	549954.314	1423.767	MF ROD HH
813	993890.058	565211.377	1394.034	MF GLO BC
814	989201.295	570426.538	1340.361	MF BC HH DIMP
815	990707.673	596992.224	1472.859	MF 3IN AC DIMP
819	991524.522	580981.317	1327.646	MF 2IN AC DIMP
820	989173.571	575709.465	1332.871	MF 2IN AC CTR
825	993870.306	570489.988	1360.704	MF GLO BC CTR
826	991554.731	567786.584	1366.568	MF BC HH DIMP
827	989226.929	565172.687	1357.966	MF MCC BC HH DIMP

**NOTES**

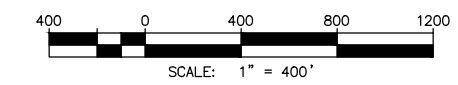
- THE HORIZONTAL & VERTICAL DATUM FOR THIS SURVEY IS BASED ON REAL TIME KINEMATIC (RTK) OBSERVATIONS OF EXISTING MONUMENTS, PUBLISHED BY THE CITY OF PEORIA, WEBSITE "HTTPS://PEORIAAZGIS.MAPS.ARCGIS.COM", AS OF FEBRUARY 2025.
- PROJECTION: ARIZONA CENTRAL ZONE (0202), NAD83  
 UNITS: INTERNATIONAL FEET  
 GEOID MODEL: GEOID18  
 HORIZONTAL ADJUSTMENT: NONE  
 HORIZONTAL ROTATION: NONE  
  
 CONTROL POINT #99  
 LATITUDE: N33°43'31.44215"  
 LONGITUDE: W112°20'39.65080"  
 ELLIPSOID HEIGHT: 1294.844 FT  
 ELEVATION: 1392.592 FT  
 DESCRIPTION: NGS MONUMENT "Q366"
- COORDINATES FOR THIS PROJECT HAVE BEEN MODIFIED TO GROUND, AT AN ORIGIN POINT OF NORTHING: 991,733.874, EASTING: 569,966.997, KNOWN AS NGS MONUMENT "Q366", UTILIZING A SCALE FACTOR OF 1.0001426107.

**VERTICAL BENCHMARK**

- NAV888 POINT 4LC1, 3" ALUM CAP W/DIMPLE
- CITY OF PEORIA CONTROL (GRID)  
 NORTHING: 991,524.69  
 EASTING: 549,957.16  
 ELEVATION: 1423.77
  - CITY OF PEORIA CONTROL (GROUND)  
 NORTHING: 991,524.58  
 EASTING: 549,954.37  
 ELEVATION: 1423.77
  - AS-SURVEYED BY COOPER AERIAL SURVEYS (GROUND)  
 NORTHING: 991,524.67  
 EASTING: 549,954.31  
 ELEVATION: 1423.77

**SURVEYOR**

COOPER AERIAL SURVEYS CO.  
 11402 N. CAVE CREEK ROAD  
 PHOENIX, AZ 85020  
 PH (602) 678-5111  
 FX (602) 678-5228



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 In Maricopa County: (602) 263-1100

NO.	REVISION	BY	APPR	DATE

DESIGN	DPF	DATE	02/26	<b>CITY OF PEORIA</b> <b>ENGINEERING DEPARTMENT</b>  <b>GEOMETRIC CONTROL</b>	<b>PRELIMINARY</b>  <b>90%</b>  NOT FOR CONSTRUCTION OR RECORDING
DRAWN	TG	DATE	02/26		
CHECKED	CSS	DATE	02/26		
		<b>JOMAX RD - DYSART RD TO MCMICKEN WASH</b>		SHEET 5 OF 16	

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**Sheet Number and Quantities - Jomax Rd**

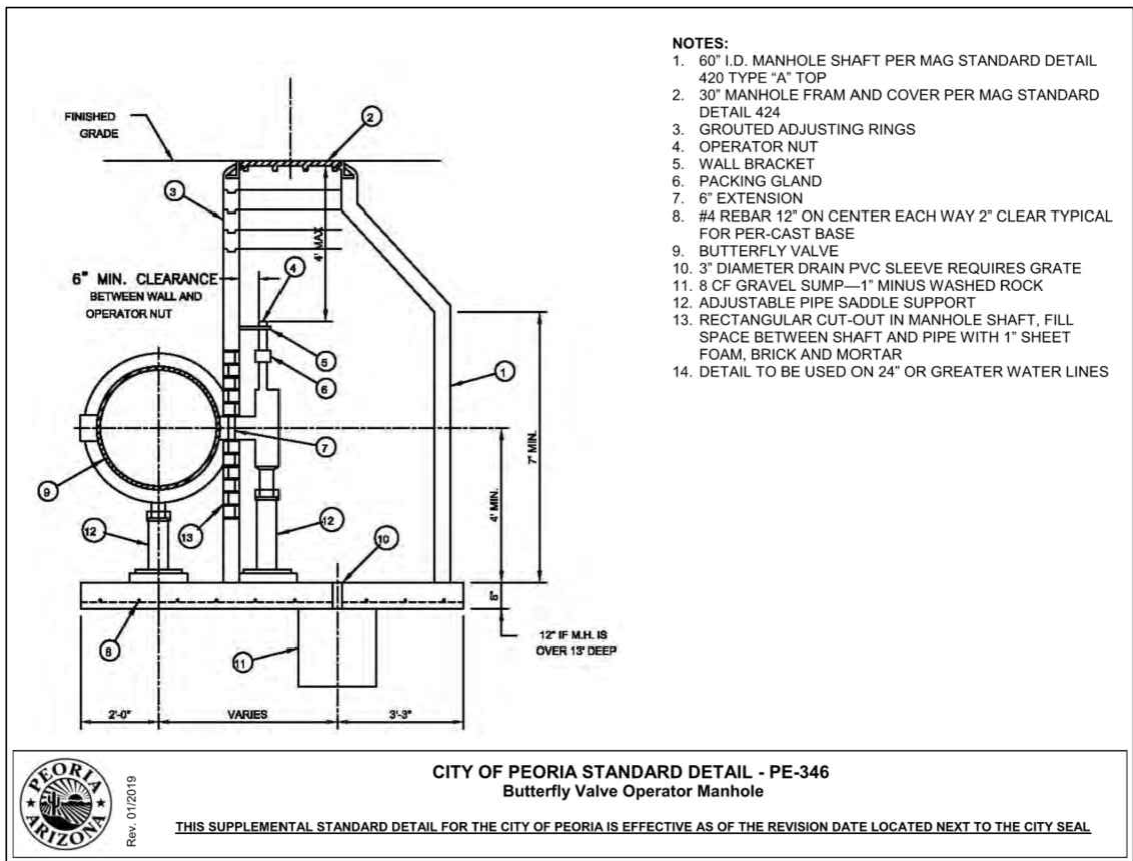
Item No.	Description	Unit	10	11	12	13	14	TOTAL
2	BUTTERFLY VALVE OPERATOR MANHOLE, CITY OF PEORIA DET PE 346	EA	1					1
3	DUCTILE IRON PIPE WITH POLYETHYLENE WRAP WATERLINE W/ FITTINGS, 24" DIP	LF	72	234	450	400	288	1,444
4	DUCTILE IRON PIPE WITH POLYETHYLENE WRAP WATERLINE W/ FITTINGS, 6" DIP	LF		128	22		73	223
5	GATE VALVE, BOX & COVER, MAG DET. 391-1-C & 392-C, 6"	EA		2	1		1	4
6	BUTTERFLY VALVE, CITY OF PEORIA DET. PE 346, 24"	EA	1					1
7	FIRE HYDRANT, CITY OF PEORIA DET. PE-360	EA		2	1		1	4
8	TEE - 24"X24"X6"	EA	1	2	1		1	5
9	ADJUST WATER VALVE & COVER TO GRADE, CITY OF PEORIA DET. PE-270 & MAG DET. 391-1	EA	1	2	1		1	5
10	ADJUST MANHOLE FRAME & COVER TO FINISH GRADE PER CITY OF PEORIA DET 422	EA	1					1
11	24" DIP 90 DEGREE BEND FITTING	EA	1					1
12	24" DIP 22.5 DEGREE BEND FITTING	EA					2	2
13	24" DIP 45 DEGREE BEND FITTING	EA			2	1	1	4
14	24" DIP CLASS 250 WATER LINE, VERTICAL REALIGNMENT PER MAG DET 370	LF			5	2	3	10
15	6" BLIND FLANGE	EA	1					1
16	24" BLIND FLANGE	EA	1					1
17	2" AIR/VACUUM RELEASE VALVE PER CITY OF PEORIA DET PE-395	EA			1			1



NO.	REVISION	BY	APPR	DATE

DESIGN	DPF	DATE	02/26
DRAWN	TG	DATE	02/26
CHECKED	CSS	DATE	02/26
<b>T/Lin</b>		CITY OF PEORIA ENGINEERING DEPARTMENT	
DRAWING NO. QS01		LOCATION JOMAX RD - DYSART RD TO MCMICKEN WASH	
QUANTITY SUMMARY		PRELIMINARY 90% NOT FOR CONSTRUCTION OR RECORDING	
SHEET 6 OF 16			

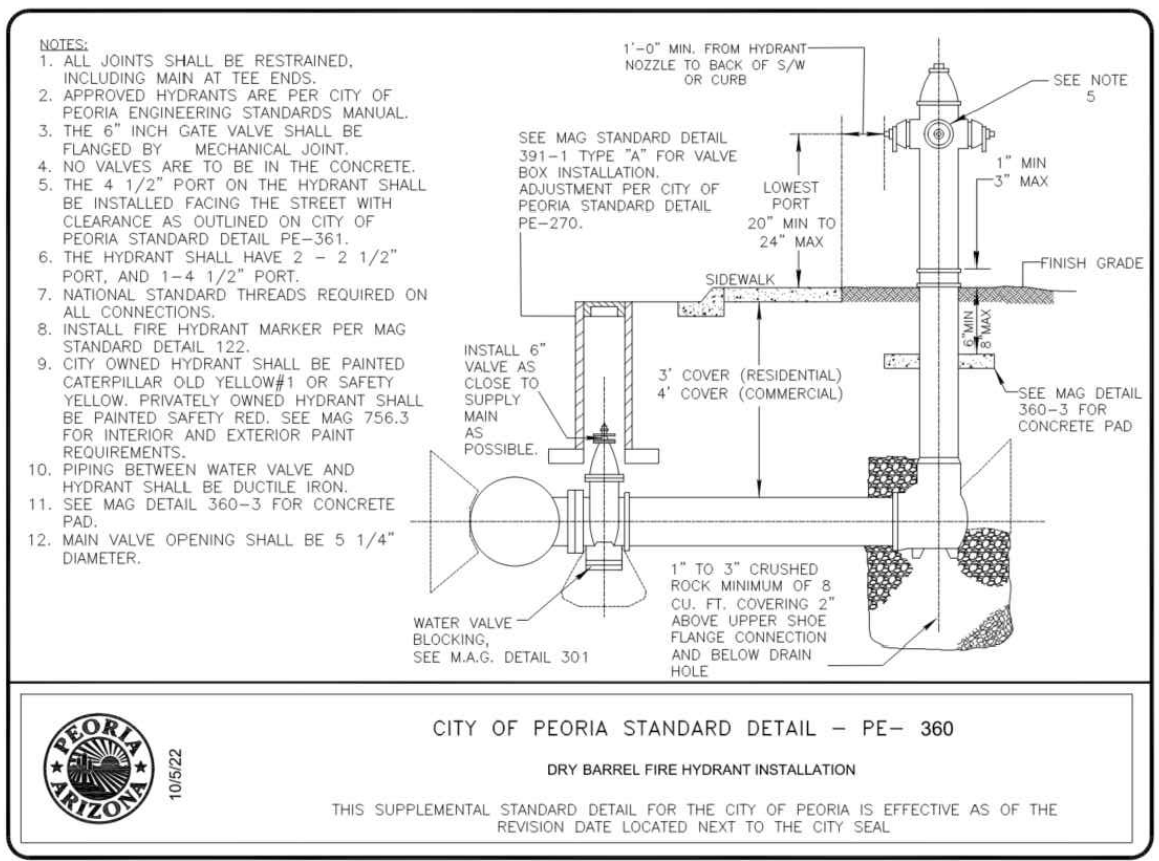
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- NOTES:**
- 60" I.D. MANHOLE SHAFT PER MAG STANDARD DETAIL 420 TYPE "A" TOP
  - 30" MANHOLE FRAM AND COVER PER MAG STANDARD DETAIL 424
  - GROUTED ADJUSTING RINGS
  - OPERATOR NUT
  - WALL BRACKET
  - PACKING GLAND
  - 6" EXTENSION
  - #4 REBAR 12" ON CENTER EACH WAY 2" CLEAR TYPICAL FOR PER-CAST BASE
  - BUTTERFLY VALVE
  - 3" DIAMETER DRAIN PVC SLEEVE REQUIRES GRATE
  - 8 CF GRAVEL SUMP—1" MINUS WASHED ROCK
  - ADJUSTABLE PIPE SADDLE SUPPORT
  - RECTANGULAR CUT-OUT IN MANHOLE SHAFT, FILL SPACE BETWEEN SHAFT AND PIPE WITH 1" SHEET FOAM, BRICK AND MORTAR
  - DETAIL TO BE USED ON 24" OR GREATER WATER LINES

**CITY OF PEORIA STANDARD DETAIL - PE-346**  
Butterfly Valve Operator Manhole

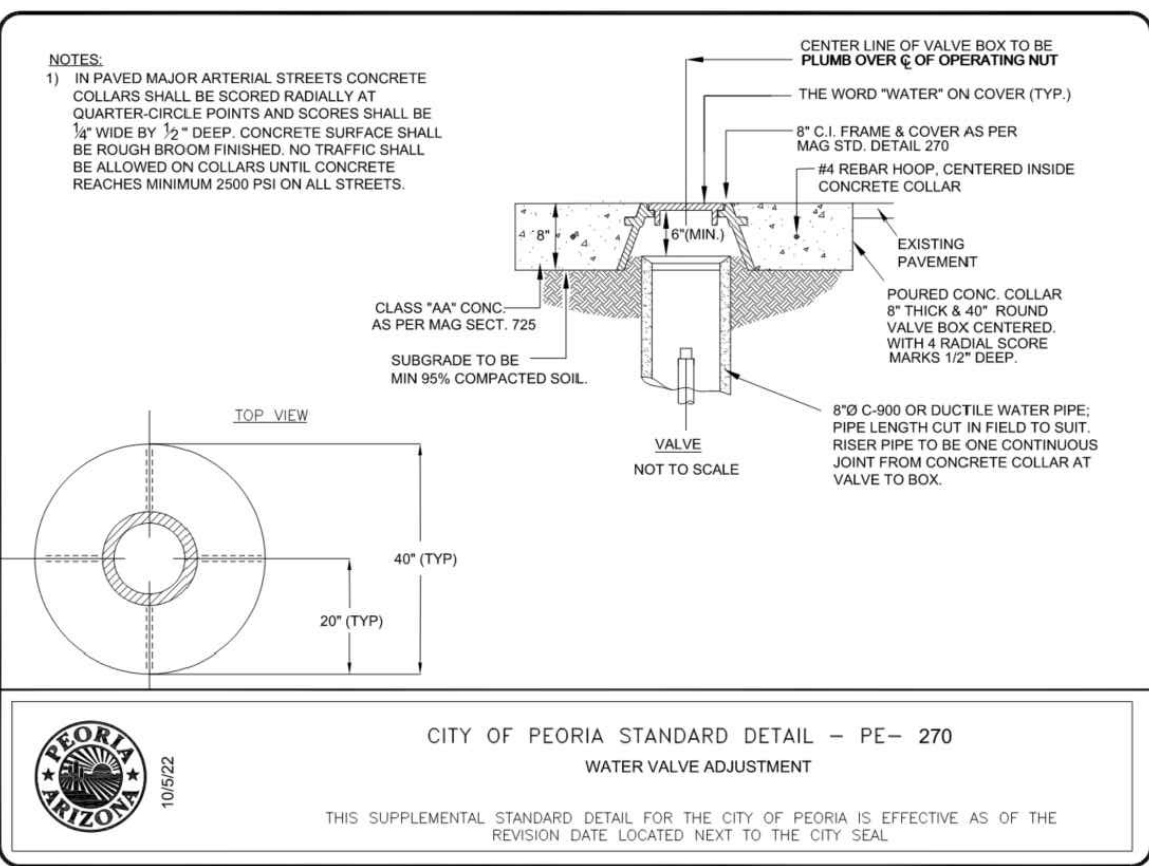
THIS SUPPLEMENTAL STANDARD DETAIL FOR THE CITY OF PEORIA IS EFFECTIVE AS OF THE REVISION DATE LOCATED NEXT TO THE CITY SEAL.



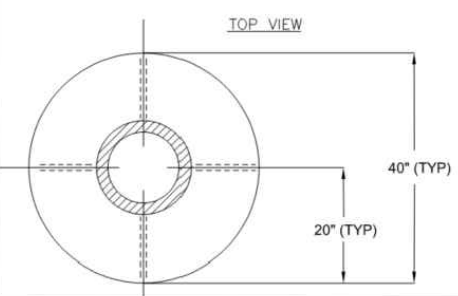
- NOTES:**
- ALL JOINTS SHALL BE RESTRAINED, INCLUDING MAIN AT TEE ENDS.
  - APPROVED HYDRANTS ARE PER CITY OF PEORIA ENGINEERING STANDARDS MANUAL.
  - THE 6" INCH GATE VALVE SHALL BE FLANGED BY MECHANICAL JOINT.
  - NO VALVES ARE TO BE IN THE CONCRETE.
  - THE 4 1/2" PORT ON THE HYDRANT SHALL BE INSTALLED FACING THE STREET WITH CLEARANCE AS OUTLINED ON CITY OF PEORIA STANDARD DETAIL PE-361.
  - THE HYDRANT SHALL HAVE 2 - 2 1/2" PORT, AND 1 - 4 1/2" PORT.
  - NATIONAL STANDARD THREADS REQUIRED ON ALL CONNECTIONS.
  - INSTALL FIRE HYDRANT MARKER PER MAG STANDARD DETAIL 122.
  - CITY OWNED HYDRANT SHALL BE PAINTED CATERPILLAR OLD YELLOW#1 OR SAFETY YELLOW. PRIVATELY OWNED HYDRANT SHALL BE PAINTED SAFETY RED. SEE MAG 756.3 FOR INTERIOR AND EXTERIOR PAINT REQUIREMENTS.
  - PIPING BETWEEN WATER VALVE AND HYDRANT SHALL BE DUCTILE IRON.
  - SEE MAG DETAIL 360-3 FOR CONCRETE PAD.
  - MAIN VALVE OPENING SHALL BE 5 1/4" DIAMETER.

**CITY OF PEORIA STANDARD DETAIL - PE-360**  
DRY BARREL FIRE HYDRANT INSTALLATION

THIS SUPPLEMENTAL STANDARD DETAIL FOR THE CITY OF PEORIA IS EFFECTIVE AS OF THE REVISION DATE LOCATED NEXT TO THE CITY SEAL.

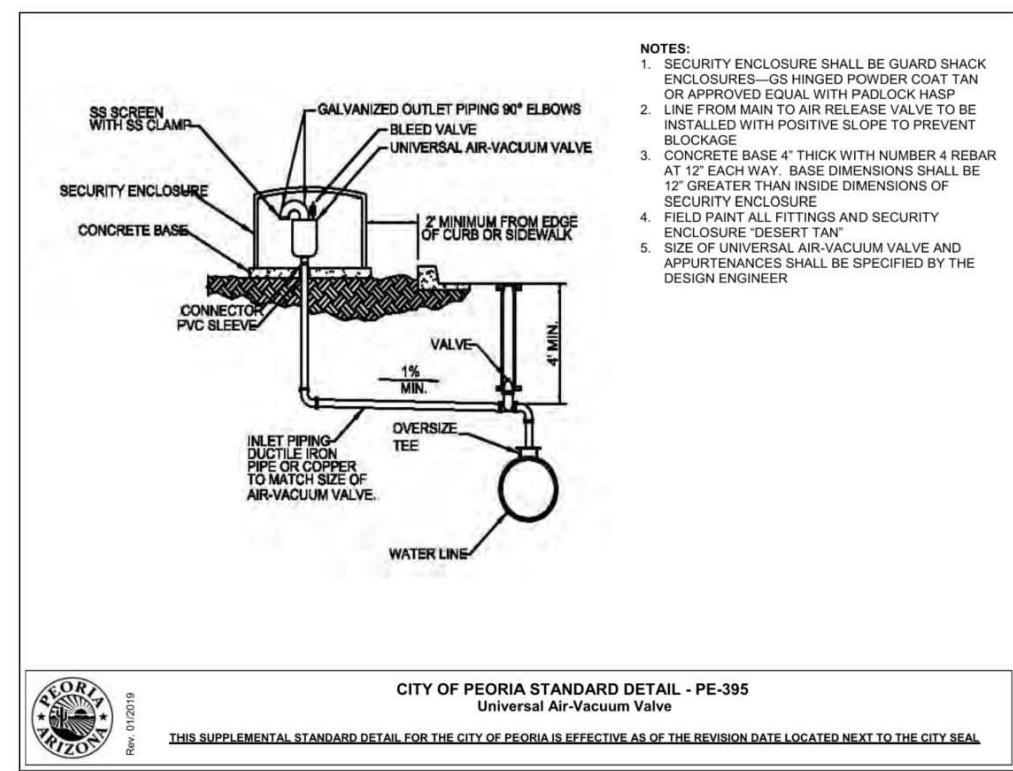


- NOTES:**
- IN PAVED MAJOR ARTERIAL STREETS CONCRETE COLLARS SHALL BE SCORED RADIALLY AT QUARTER-CIRCLE POINTS AND SCORES SHALL BE 1/4" WIDE BY 1/2" DEEP. CONCRETE SURFACE SHALL BE ROUGH BROOM FINISHED. NO TRAFFIC SHALL BE ALLOWED ON COLLARS UNTIL CONCRETE REACHES MINIMUM 2500 PSI ON ALL STREETS.



**CITY OF PEORIA STANDARD DETAIL - PE-270**  
WATER VALVE ADJUSTMENT

THIS SUPPLEMENTAL STANDARD DETAIL FOR THE CITY OF PEORIA IS EFFECTIVE AS OF THE REVISION DATE LOCATED NEXT TO THE CITY SEAL.



- NOTES:**
- SECURITY ENCLOSURE SHALL BE GUARD SHACK ENCLOSURES—GS HINGED POWDER COAT TAN OR APPROVED EQUAL WITH PADLOCK HASP
  - LINE FROM MAIN TO AIR RELEASE VALVE TO BE INSTALLED WITH POSITIVE SLOPE TO PREVENT BLOCKAGE
  - CONCRETE BASE 4" THICK WITH NUMBER 4 REBAR AT 12" EACH WAY. BASE DIMENSIONS SHALL BE 12" GREATER THAN INSIDE DIMENSIONS OF SECURITY ENCLOSURE
  - FIELD PAINT ALL FITTINGS AND SECURITY ENCLOSURE "DESERT TAN"
  - SIZE OF UNIVERSAL AIR-VACUUM VALVE AND APPURTENANCES SHALL BE SPECIFIED BY THE DESIGN ENGINEER

**CITY OF PEORIA STANDARD DETAIL - PE-395**  
Universal Air-Vacuum Valve

THIS SUPPLEMENTAL STANDARD DETAIL FOR THE CITY OF PEORIA IS EFFECTIVE AS OF THE REVISION DATE LOCATED NEXT TO THE CITY SEAL.

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NO.	REVISION	BY	APPR	DATE

DESIGN	DPF	DATE	02/26
DRAWN	TG	DATE	02/26
CHECKED	CSS	DATE	02/26

**CITY OF PEORIA**  
ENGINEERING DEPARTMENT

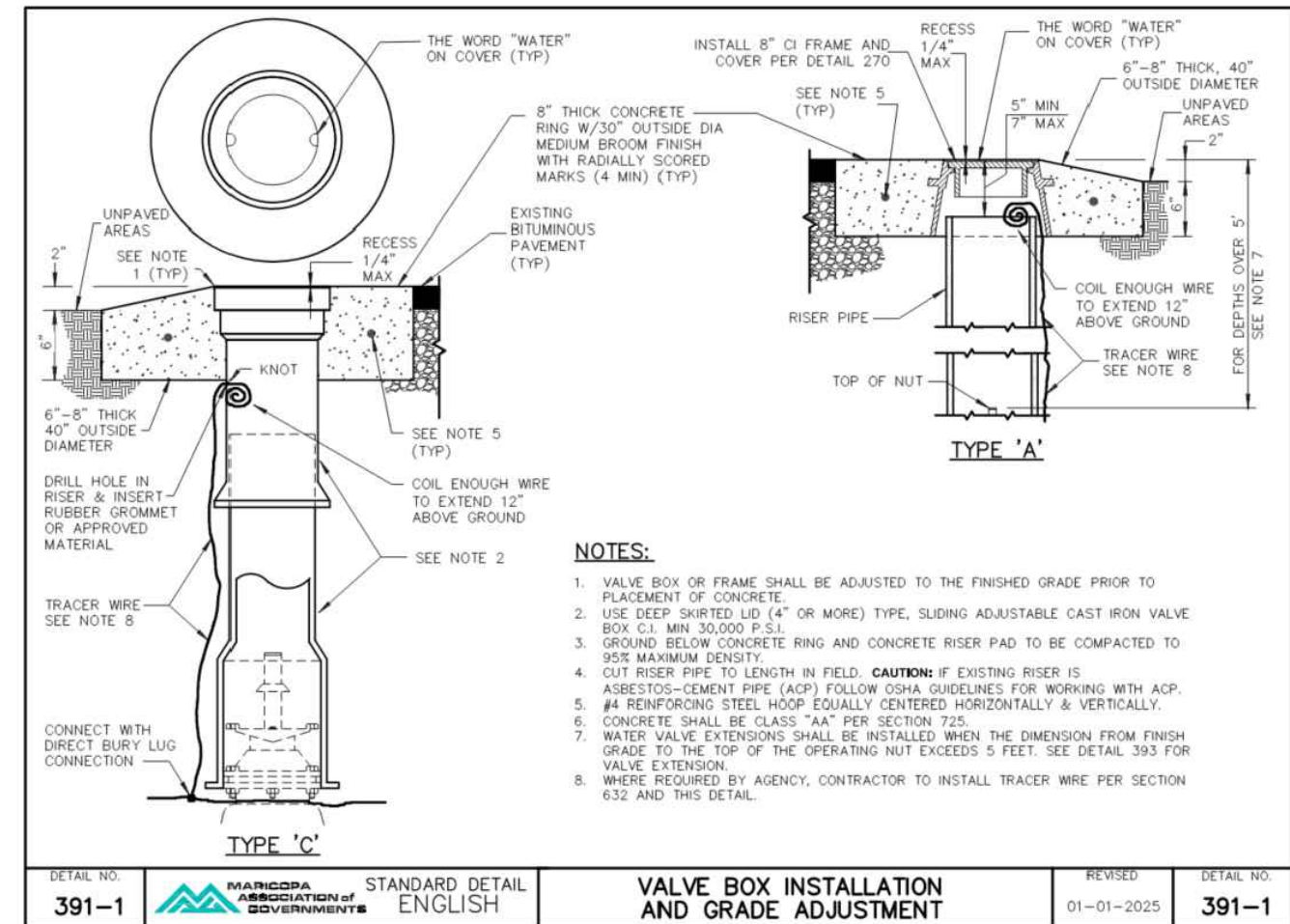
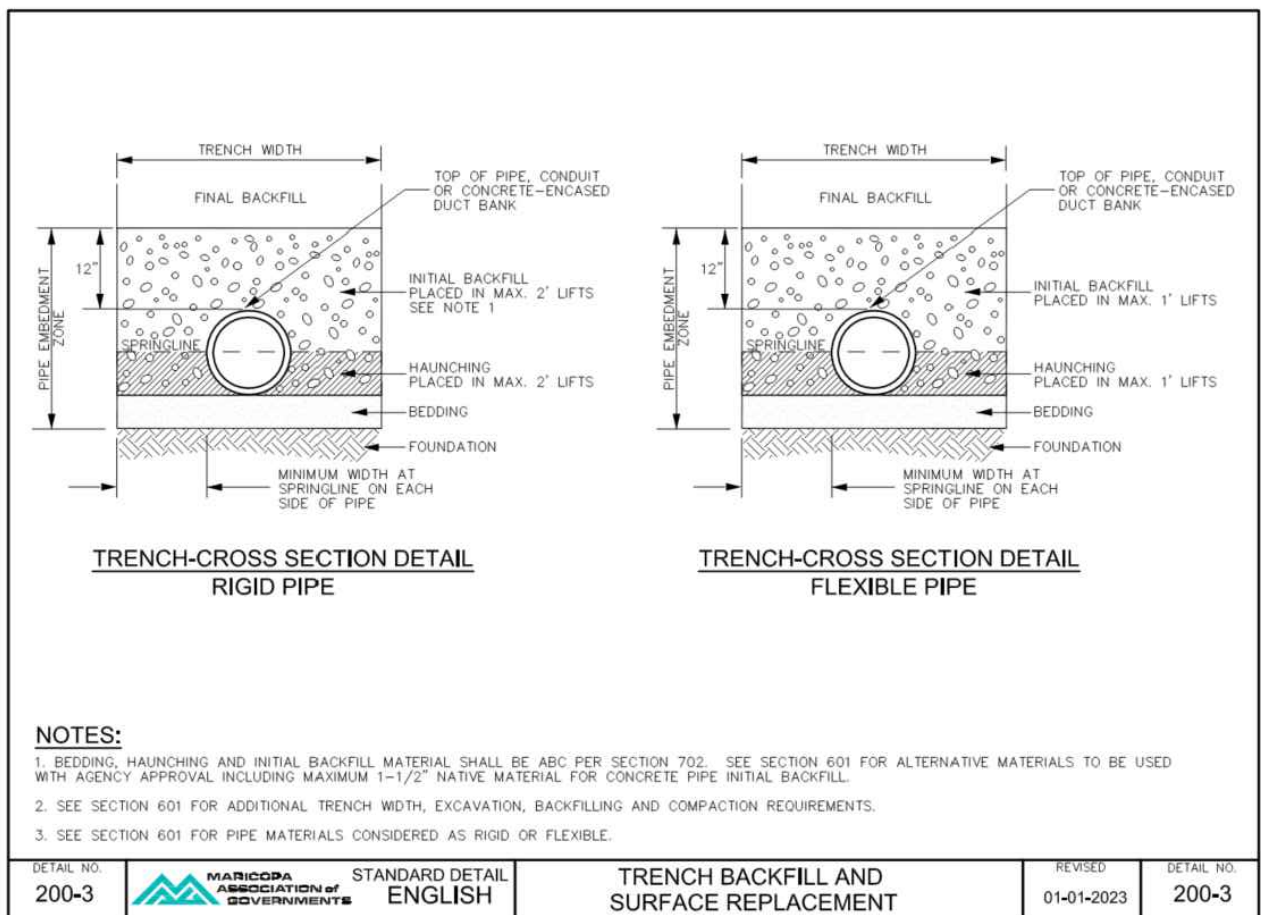
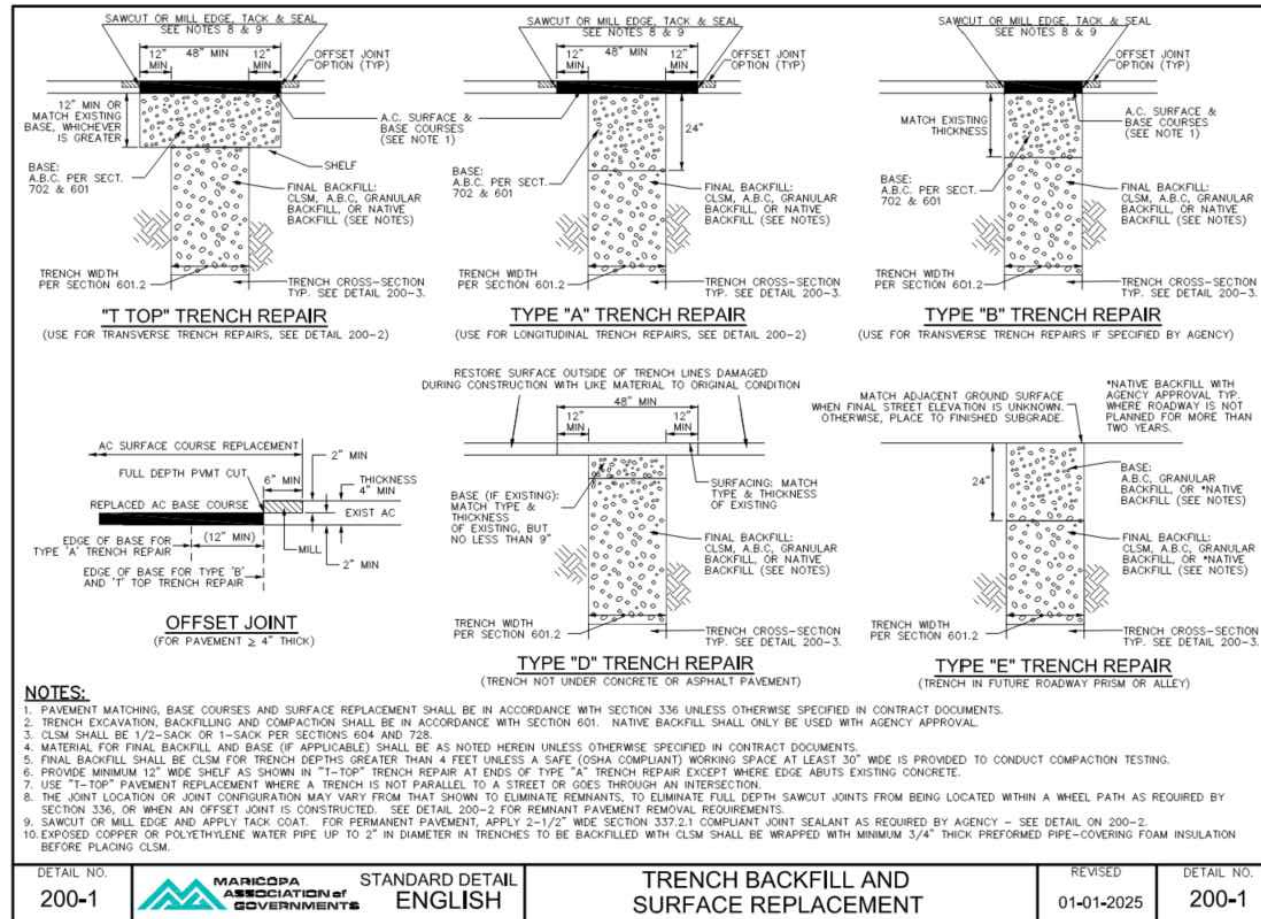
**WATER DETAILS**

PRELIMINARY  
90%  
NOT FOR CONSTRUCTION OR RECORDING

DRAWING NO. LOCATION  
DT01 JOMAX RD - DYSART RD TO MCMICKEN WASH

SHEET 7 OF 16

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Arizona Blue Stake, Inc.

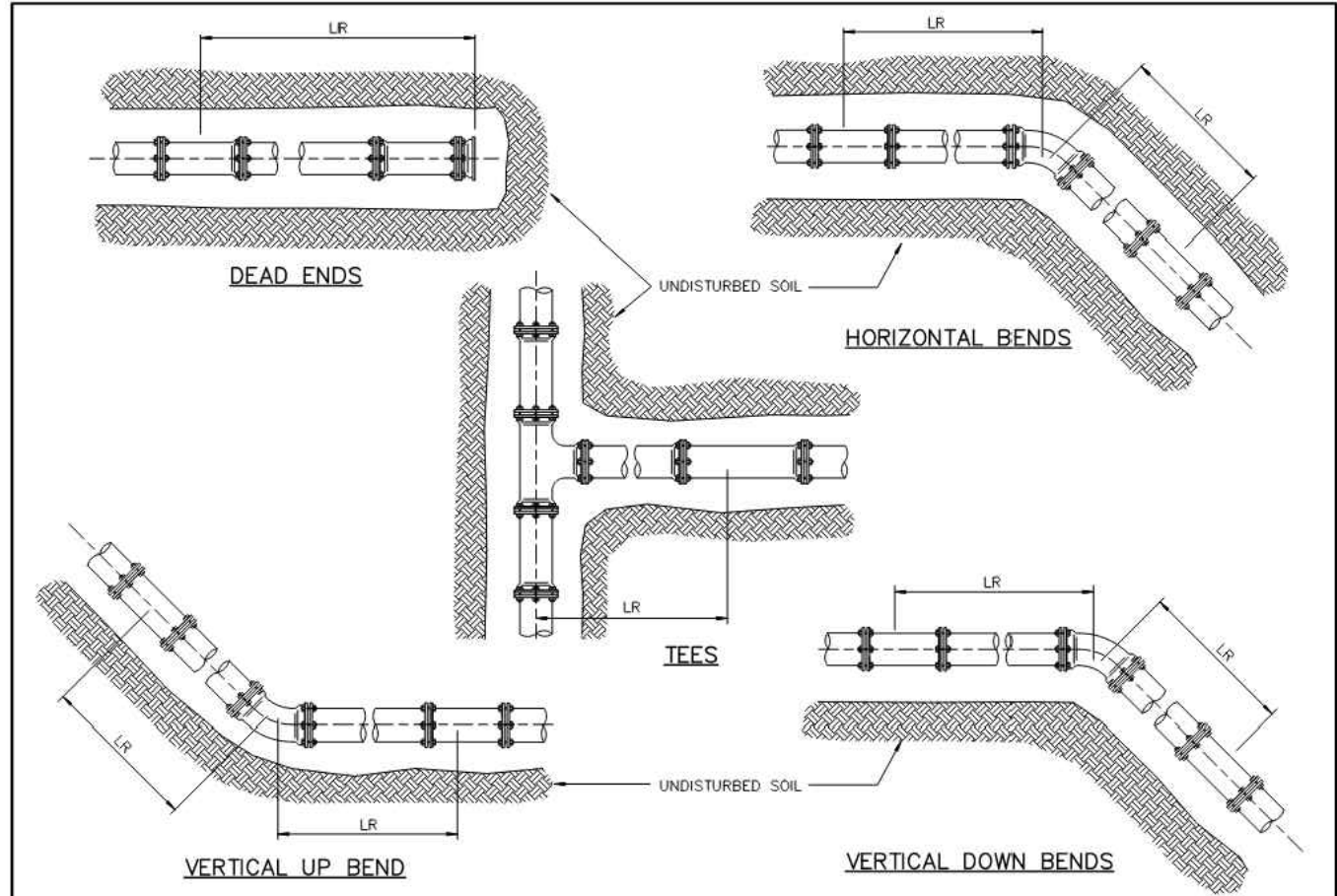
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In Maricopa County: (602) 263-1100



NO.	REVISION	BY	APPR	DATE

DESIGN	DPF	02/26	CITY OF PEORIA ENGINEERING DEPARTMENT	PRELIMINARY <b>90%</b> NOT FOR CONSTRUCTION OR RECORDING
DRAWN	TG	02/26		
CHECKED	CSS	02/26		
			WATER DETAILS	SHEET 8 OF 16
DRAWING NO.	LOCATION			
DT02	JOMAX RD - DYSART RD TO MCMICKEN WASH			

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DETAIL NO. **303-1** MARICOPA ASSOCIATION OF GOVERNMENTS STANDARD DETAIL ENGLISH JOINT RESTRAINT FOR DUCTILE IRON, POLYETHYLENE WRAPPED DUCTILE IRON AND PVC WATER PIPES REVISED 01-01-2026 DETAIL NO. **303-1**

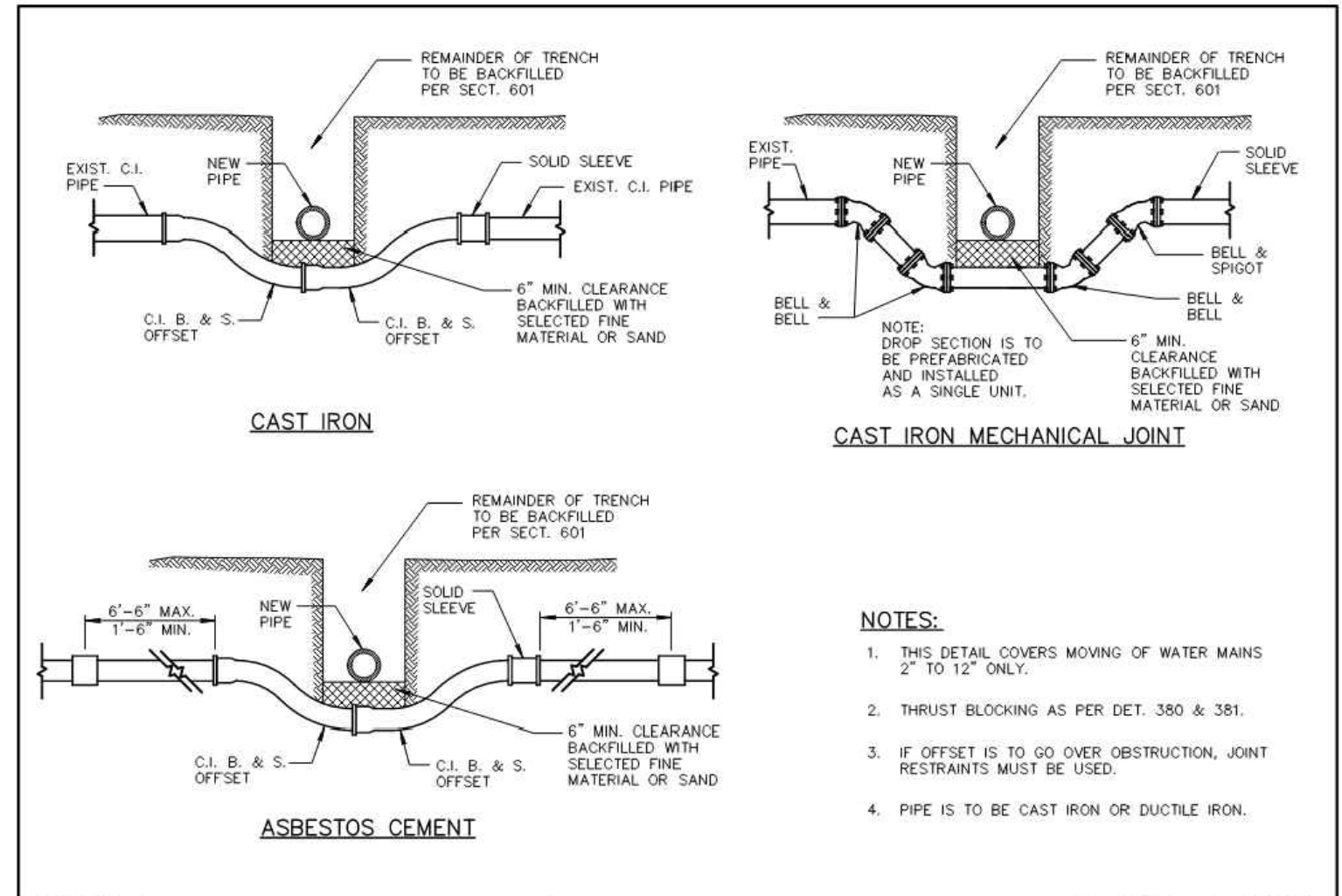
NOMINAL PIPE SIZE INCHES	HORIZONTAL BENDS				TEES	VERTICAL DOWN BENDS			VERTICAL UP BENDS			DEAD ENDS & VALVES
	11.25'	22.5'	45'	90'		22.5'	45'	90'	22.5'	45'	90'	
4	3	5	10	24	73	15	31	73	5	10	24	73
6	4	7	14	33	104	21	43	104	7	14	33	104
8	5	9	18	43	134	27	56	134	9	18	43	134
12	6	12	25	59	190	38	79	190	12	25	59	190
16	6	12	24	56	182	37	76	182	12	24	56	182
24	8	16	32	77	256	51	106	256	21	32	77	256

NOMINAL PIPE SIZE INCHES	HORIZONTAL BENDS				TEES	VERTICAL DOWN BENDS			VERTICAL UP BENDS			DEAD ENDS & VALVES
	11.25'	22.5'	45'	90'		22.5'	45'	90'	22.5'	45'	90'	
4	2	5	9	21	57	12	24	51	5	9	21	57
6	3	6	12	29	80	16	33	73	6	12	29	80
8	4	8	16	38	105	21	44	94	8	16	38	105
12	6	11	22	52	148	30	62	133	11	22	52	148
16	5	10	21	50	143	29	59	128	10	21	50	143
24	7	14	29	68	201	40	84	179	18	29	68	201

- NOTES:**
- LENGTHS RESTRAINED MAY BE REDUCED WITH SUPPORTING CALCULATIONS SEALED BY AN ARIZONA PROFESSIONAL ENGINEER.
  - WHEN CONNECTING TO EXISTING PIPELINES, IT CANNOT BE ASSUMED THAT EXISTING PIPELINES ARE RESTRAINED. ADDITIONAL RESTRAINT MEASURES SUCH AS BLOCKS OR ANCHORS MAY BE REQUIRED AND SUBJECT TO APPROVAL BY THE AGENCY.
  - IF PIPE SIZE IS NOT LISTED, MOVE TO THE NEXT LARGER PIPE SIZE IN THE TABLE.
  - ALL LENGTHS ARE IN FEET.
  - ALL JOINTS WITHIN THE SPECIFIED LENGTHS MUST BE RESTRAINED.
  - THE REQUIRED LENGTHS RESTRAINED MAY OVERLAP DUE TO THE LOCATION OF BENDS, TEES, AND DEAD ENDS. IN THESE SITUATIONS, RESTRAINED PIPE JOINTS MUST MEET THE LONGEST REQUIRED LENGTH RESTRAINED IN EACH DIRECTION, THROUGH THE OVERLAP SECTION.
  - ALL INLINE VALVES MUST BE TREATED AS DEAD ENDS.

- ASSUMPTIONS:**
- THE TABLES FOR LENGTHS RESTRAINED ARE BASED ON THE EQUATIONS AND PROCEDURES FOUND IN THE DIPRA BROCHURE THRUST RESTRAINT DESIGNATION FOR DUCTILE IRON PIPE AND EBAA IRON RESTRAINT CALCULATOR. CONSERVATIVE ASSUMPTIONS HAVE BEEN EMPLOYED, ALONG WITH AN OVERALL SAFETY FACTOR OF 2.0. FOR ANY GIVEN PROJECT, THE ULTIMATE RESPONSIBILITY OF PROPER USE OF THIS TABLE RESTS WITH THE USER.
  - CALCULATIONS ARE BASED ON AWWA C150 TYPE 4 TRENCH AT A PIPE BURY DEPTH OF 3 FEET.
  - SOIL DESIGNATION IS GOOD SAND & GRAVEL, SW, SP, & GW OF THE UNIFIED SOIL CLASSIFICATION SYSTEM (USCS).
  - TEST PRESSURE IS ASSUMED AT 200 PSI FOR SIZES SMALLER THAN 16 INCHES AND 150 PSI FOR SIZES 16 INCHES AND LARGER.

DETAIL NO. **303-2** MARICOPA ASSOCIATION OF GOVERNMENTS STANDARD DETAIL ENGLISH JOINT RESTRAINT FOR DUCTILE IRON, POLYETHYLENE WRAPPED DUCTILE IRON AND PVC WATER PIPES REVISED 01-01-2026 DETAIL NO. **303-2**



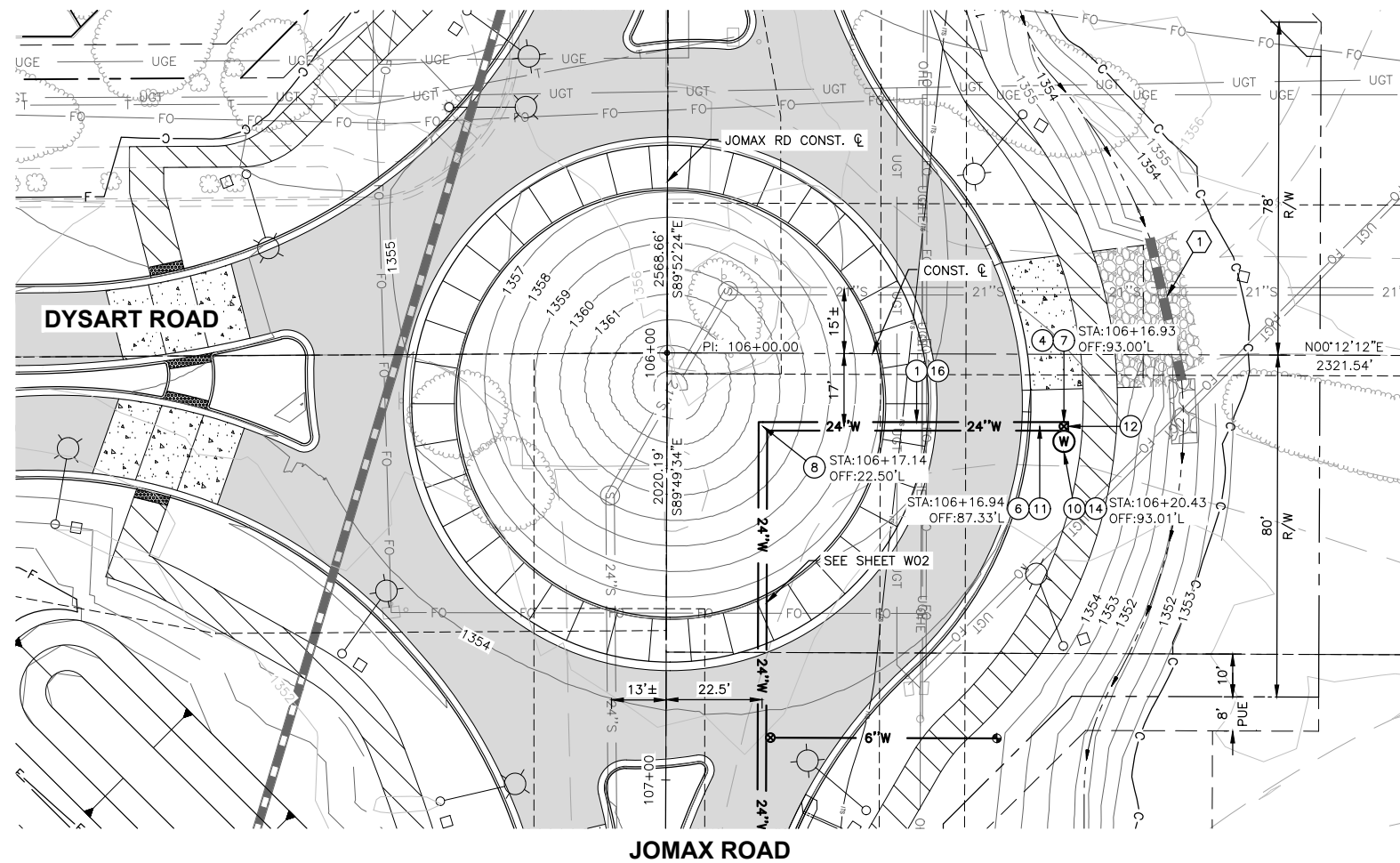
DETAIL NO. **370** MARICOPA ASSOCIATION OF GOVERNMENTS STANDARD DETAIL ENGLISH VERTICAL REALIGNMENT OF WATER MAINS REVISED 01-01-1998 DETAIL NO. **370**

- NOTES:**
- THIS DETAIL COVERS MOVING OF WATER MAINS 2" TO 12" ONLY.
  - THRUST BLOCKING AS PER DET. 380 & 381.
  - IF OFFSET IS TO GO OVER OBSTRUCTION, JOINT RESTRAINTS MUST BE USED.
  - PIPE IS TO BE CAST IRON OR DUCTILE IRON.



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CHECKED	CSS	02/26		
<b>T Lin</b>			WATER DETAILS	
DRAWING NO.	LOCATION		SHEET 9 OF 16	
DT03	JOMAX RD - DYSART RD TO MCMICKEN WASH			



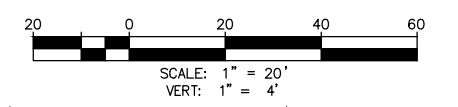
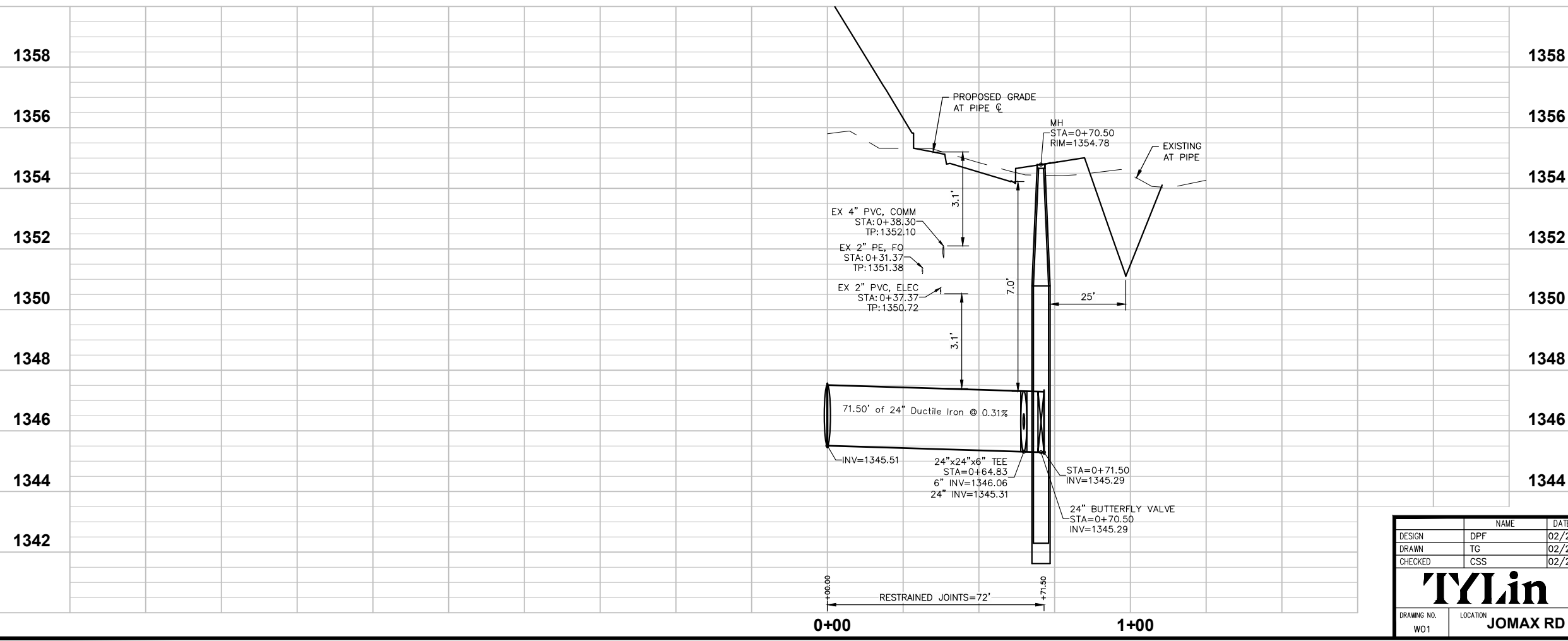
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	AZ	P65410			

**WATER CONSTRUCTION NOTES**

NO.	DESCRIPTION	QTY	UNITS
1	INSTALL 24" DIP CLASS 250 WATER LINE WITH POLYWRAP. JOINT RESTRAINT PER MAG 303-1 & 303-2, LENGTHS PER PLAN	72	LF
4	INSTALL 24" BUTTERFLY VALVE PER COP PE-346	1	EA
6	INSTALL 24"x24"x6" TEE	1	EA
7	ADJUST WATER VALVE & COVER TO GRADE PER CITY OF PEORIA DET PE-270 & MAG DET 391-1	1	EA
8	INSTALL 24" DIP 90° BEND FITTING	1	EA
10	INSTALL 24" BUTTERFLY VALVE OPERATOR MANHOLE PER CITY OF PEORIA DET PE-346	1	EA
11	INSTALL 6" BLIND FLANGE	1	EA
12	INSTALL 24" BLIND FLANGE	1	EA
14	ADJUST MANHOLE FRAME & COVER TO FINISH GRADE PER CITY OF PEORIA DET 422	1	EA
16	WATER LINE TRENCH PER MAG STD DET 200-1, TYPE 'E' TRENCH REPAIR & DETAIL 200-3	-	-

**REFERENCE NOTES**

1	SEE ROADWAY IMPROVEMENT PLANS PER CIP P65410
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Call at least two full working days before you begin excavation.

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DESIGN	NAME	DATE
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CSS <td>CSS <td>02/26</td> </td>	CSS <td>02/26</td>	02/26

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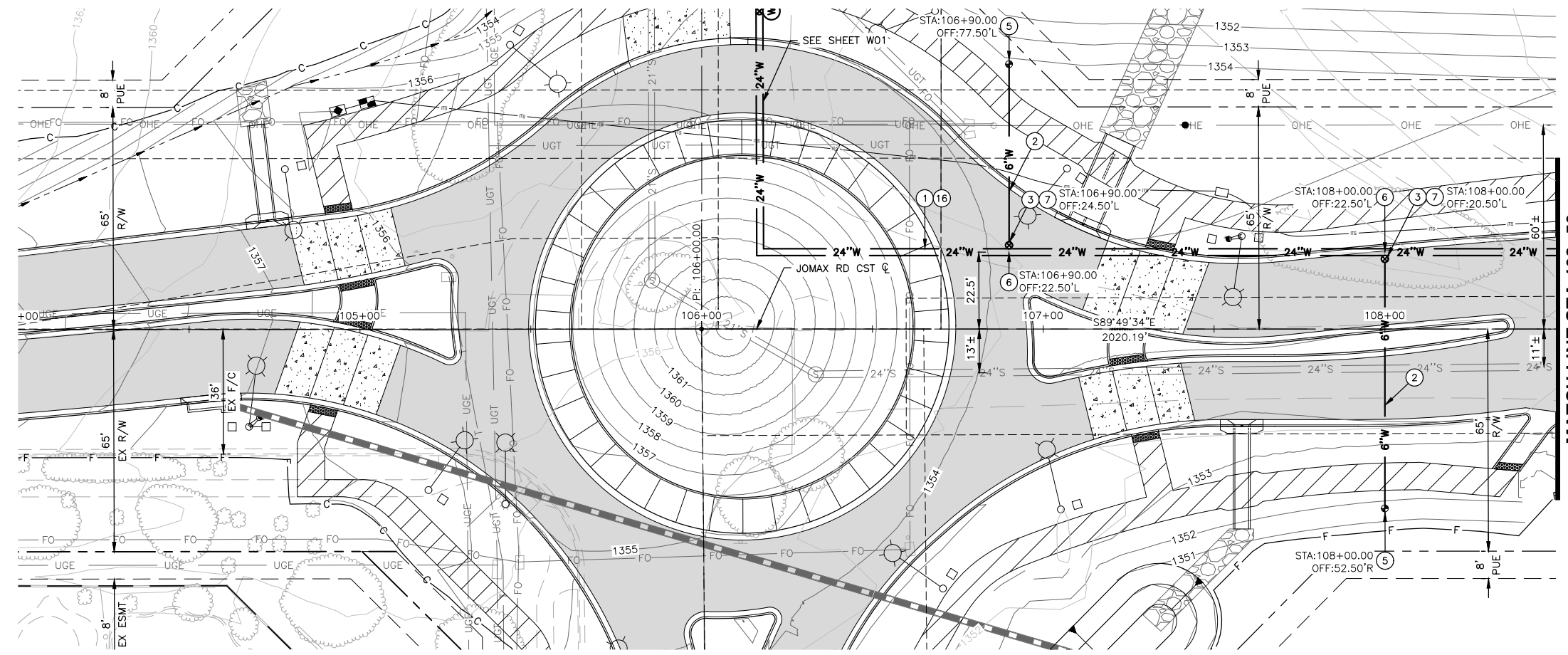
DRAWING NO. W01 LOCATION **JOMAX RD - DYSART RD TO MCMICKEN WASH** SHEET 10 OF 16

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F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	AZ	P65410			

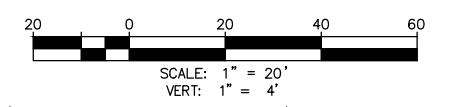
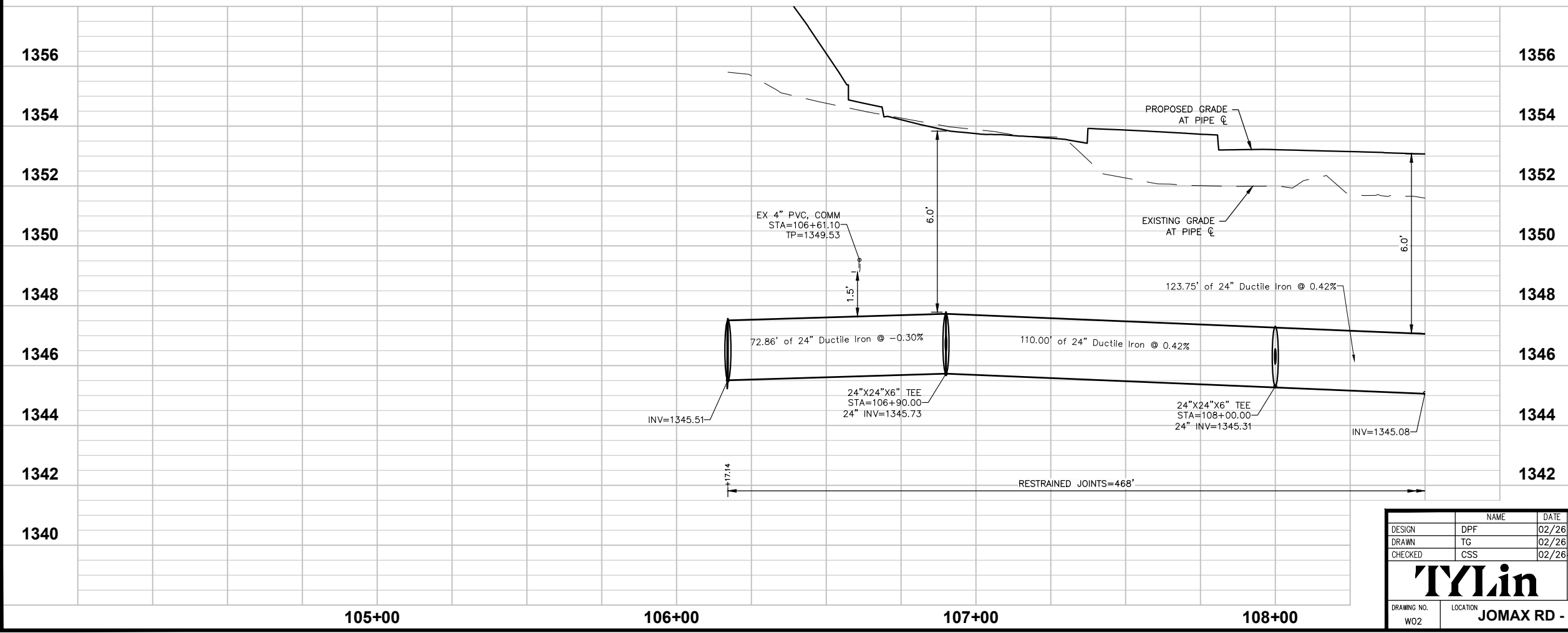
**WATER CONSTRUCTION NOTES**

NO.	DESCRIPTION	QTY	UNITS
①	INSTALL 24" DIP CLASS 250 WATER LINE WITH POLYWRAP. JOINT RESTRAINT PER MAG 303-1 & 303-2, LENGTHS PER PLAN	234	LF
②	INSTALL 6" DIP CLASS 350 WATER LINE WITH POLYWRAP. FULL JOINT RESTRAINT	128	LF
③	INSTALL 6" GATE VALVE PER MAG DET 391-1	2	EA
⑤	INSTALL FIRE HYDRANT PER CITY OF PEORIA DET PE-360	2	EA
⑥	INSTALL 24"x24"x6" TEE	2	EA
⑦	ADJUST WATER VALVE & COVER TO GRADE PER CITY OF PEORIA DET PE-270 & MAG DET 391-1	2	EA
⑬	WATER LINE TRENCH PER MAG STD DET 200-1, TYPE 'E' TRENCH REPAIR & DETAIL 200-3	-	-



MATCH LINE STA 108+50  
SEE SHEET 12

**JOMAX ROAD**



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CHECKED	CSS	02/26

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DRAWING NO. W02 LOCATION **JOMAX RD - DYSART RD TO MCMICKEN WASH** SHEET 11 OF 16

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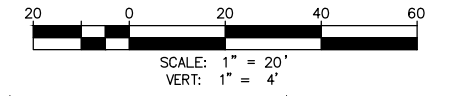
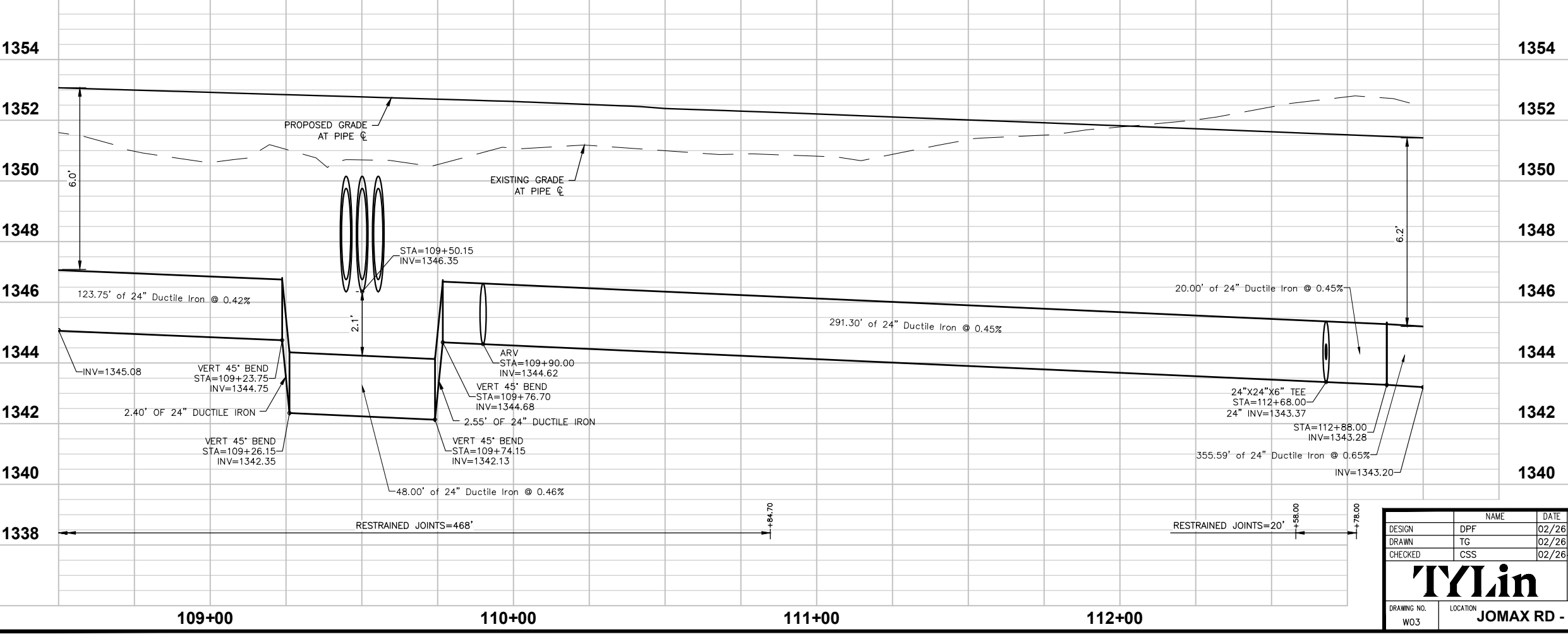
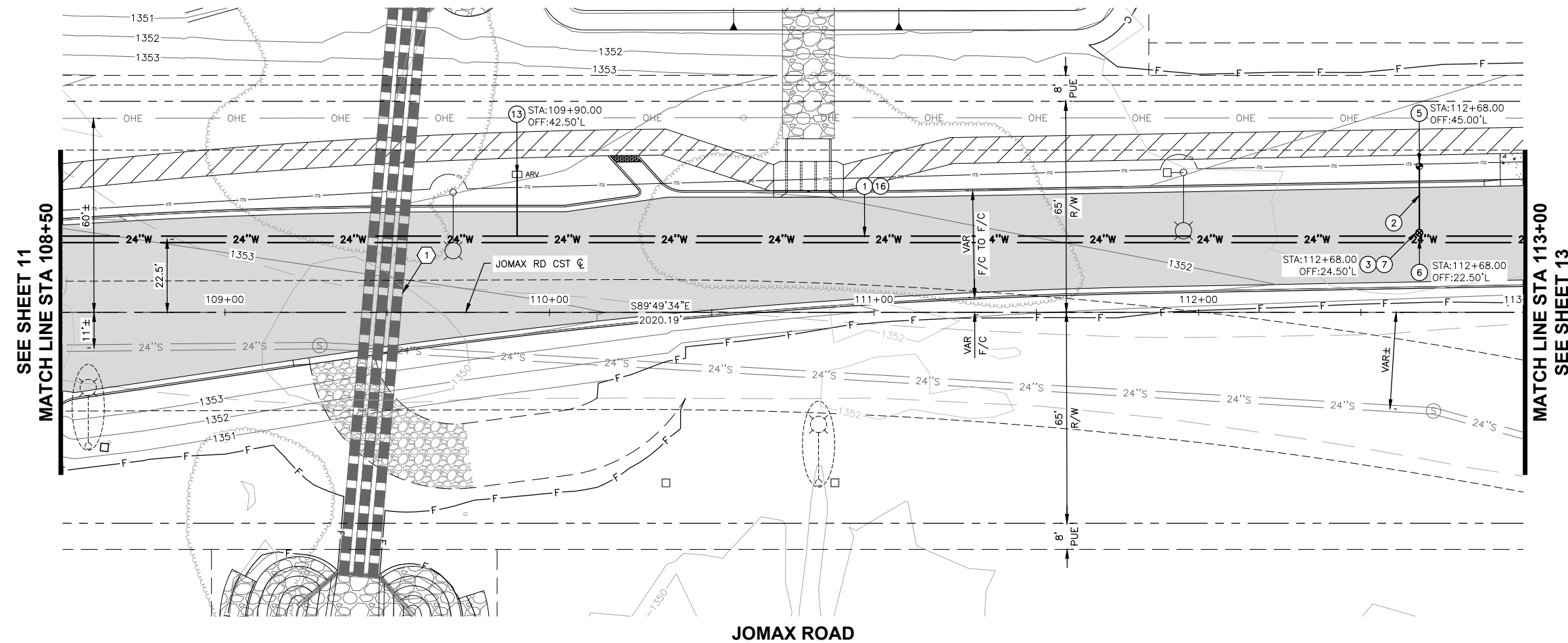
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	AZ	P65410			

**WATER CONSTRUCTION NOTES**

NO.	DESCRIPTION	QTY	UNITS
①	INSTALL 24" DIP CLASS 250 WATER LINE WITH POLYWRAP. JOINT RESTRAINT PER MAG 303-1 & 303-2, LENGTHS PER PLAN	450	LF
②	INSTALL 6" DIP CLASS 350 WATER LINE WITH POLYWRAP. FULL JOINT RESTRAINT	22	LF
③	INSTALL 6" GATE VALVE PER MAG DET 391-1	1	EA
⑤	INSTALL FIRE HYDRANT PER CITY OF PEORIA DET PE-360	1	EA
⑥	INSTALL 24"X24"X6" TEE	1	EA
⑦	ADJUST WATER VALVE & COVER TO GRADE PER CITY OF PEORIA DET PE-270 & MAG DET 391-1	1	EA
⑬	INSTALL 2" AIR/VACUUM RELEASE VALVE PER CITY OF PEORIA DET PE-395	1	EA
⑮	INSTALL 24" DIP CLASS 250 WATER LINE, VERTICAL REALIGNMENT PER MAG DET 370. JOINT RESTRAINT PER MAG 303-1 & 303-2, LENGTHS PER PLAN	5	LF
⑯	WATER LINE TRENCH PER MAG STD DET 200-1, TYPE 'E' TRENCH REPAIR & DETAIL 200-3	-	-

**REFERENCE NOTES**

- ① SEE ROADWAY IMPROVEMENT PLANS PER CIP P65410



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	LOCATION: JOMAX RD - DYSART RD TO MCMICKEN WASH		

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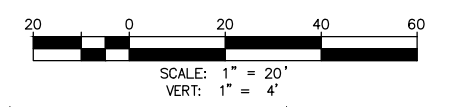
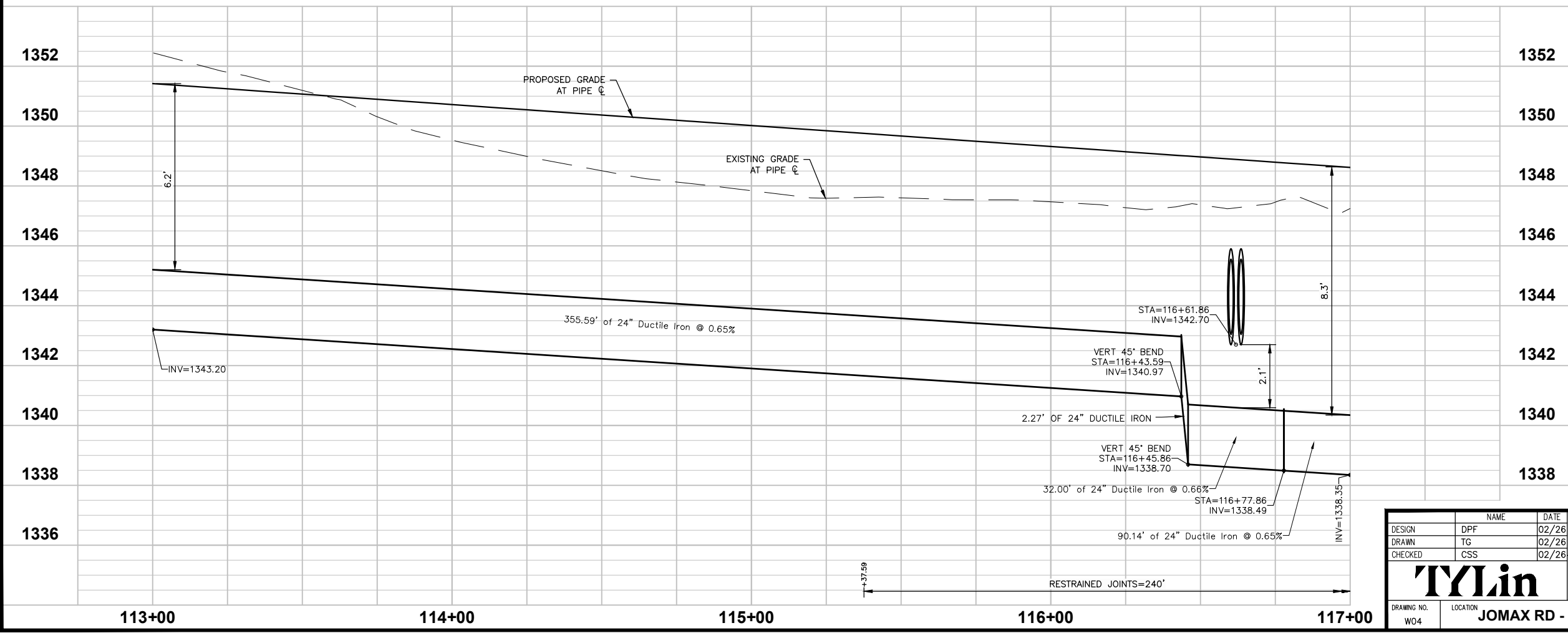
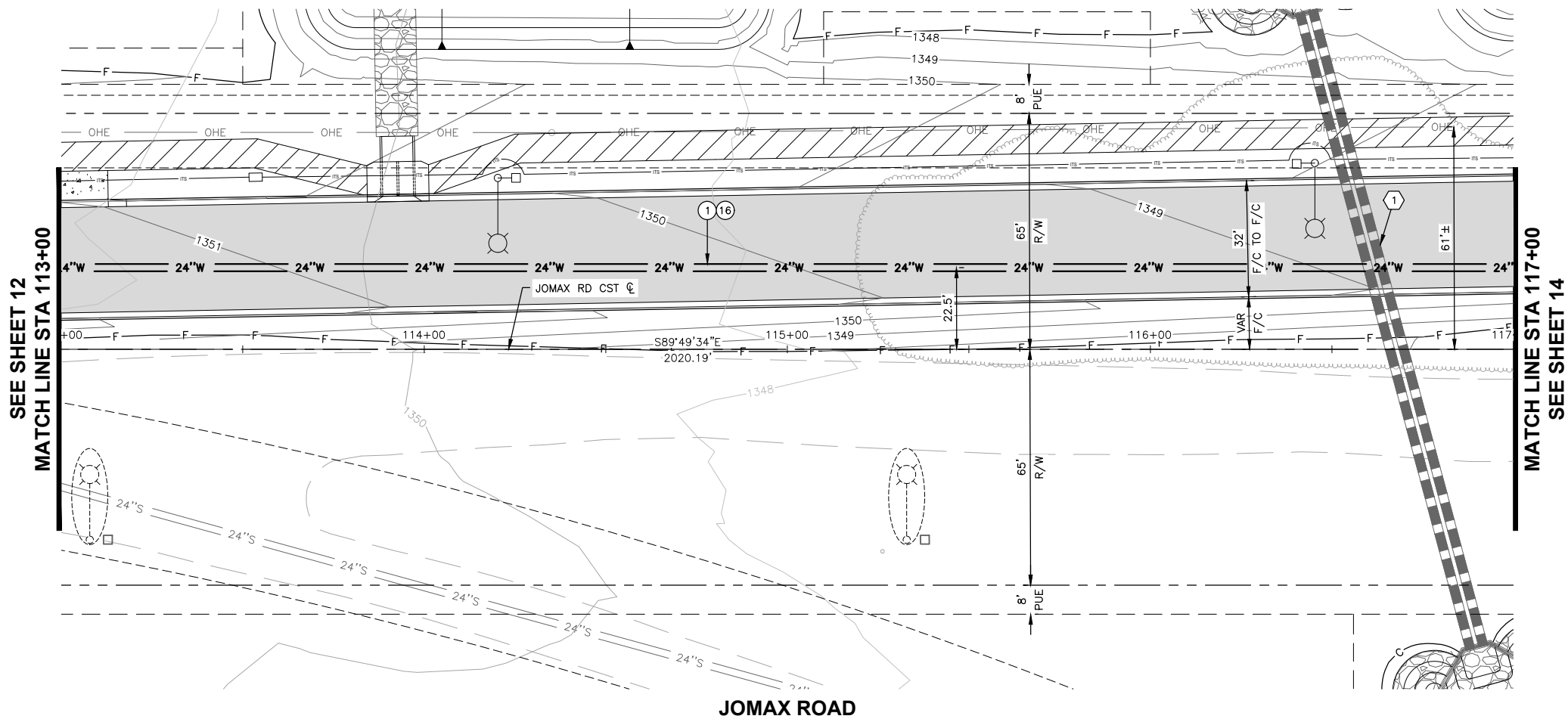
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	AZ	P65410			

**WATER CONSTRUCTION NOTES**

NO.	DESCRIPTION	QTY	UNITS
①	INSTALL 24" DIP CLASS 250 WATER LINE WITH POLYWRAP. JOINT RESTRAINT PER MAG 303-1 & 303-2, LENGTHS PER PLAN	400	LF
⑮	INSTALL 24" DIP CLASS 250 WATER LINE, VERTICAL REALIGNMENT PER MAG DET 370. JOINT RESTRAINT PER MAG 303-1 & 303-2, LENGTHS PER PLAN	2	LF
⑯	WATER LINE TRENCH PER MAG STD DET 200-1, TYPE 'E' TRENCH REPAIR & DETAIL 200-3	-	-

**REFERENCE NOTES**

①	SEE ROADWAY IMPROVEMENT PLANS PER CIP P65410
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**WATER PLAN & PROFILE**

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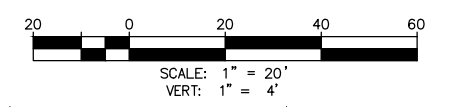
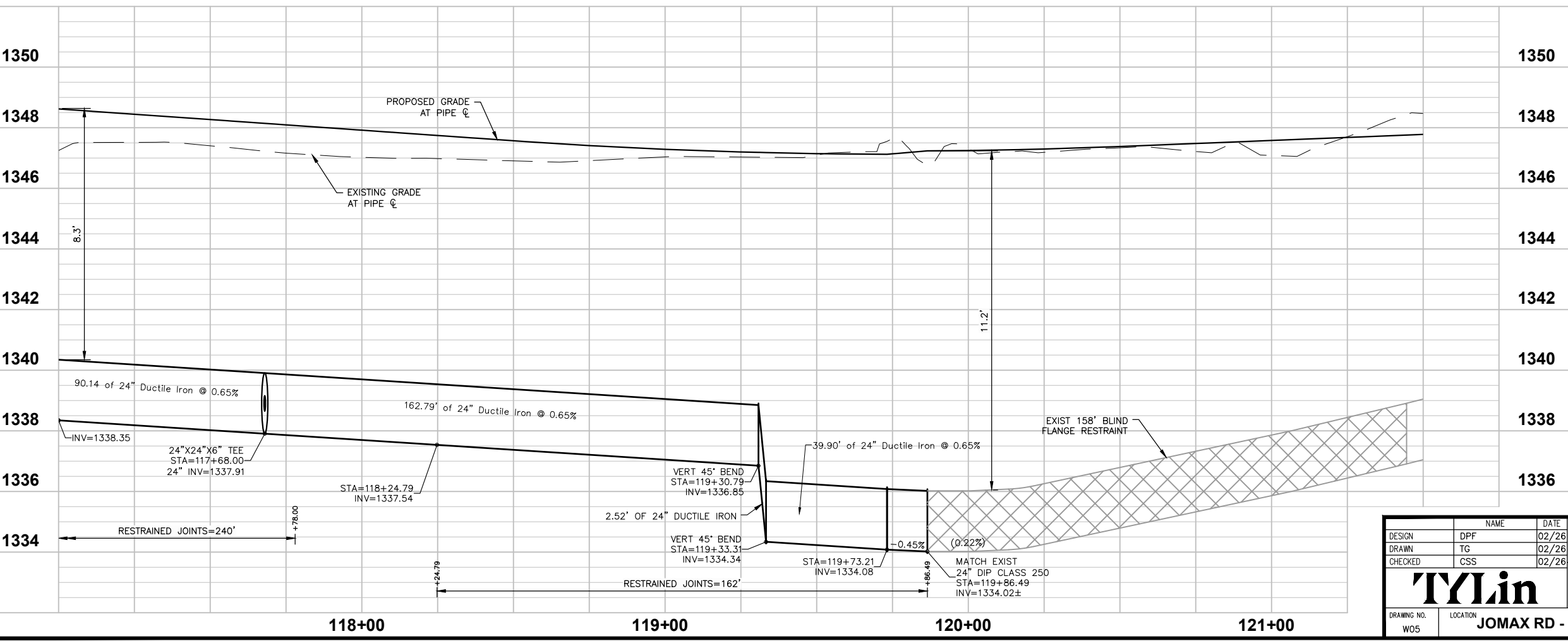
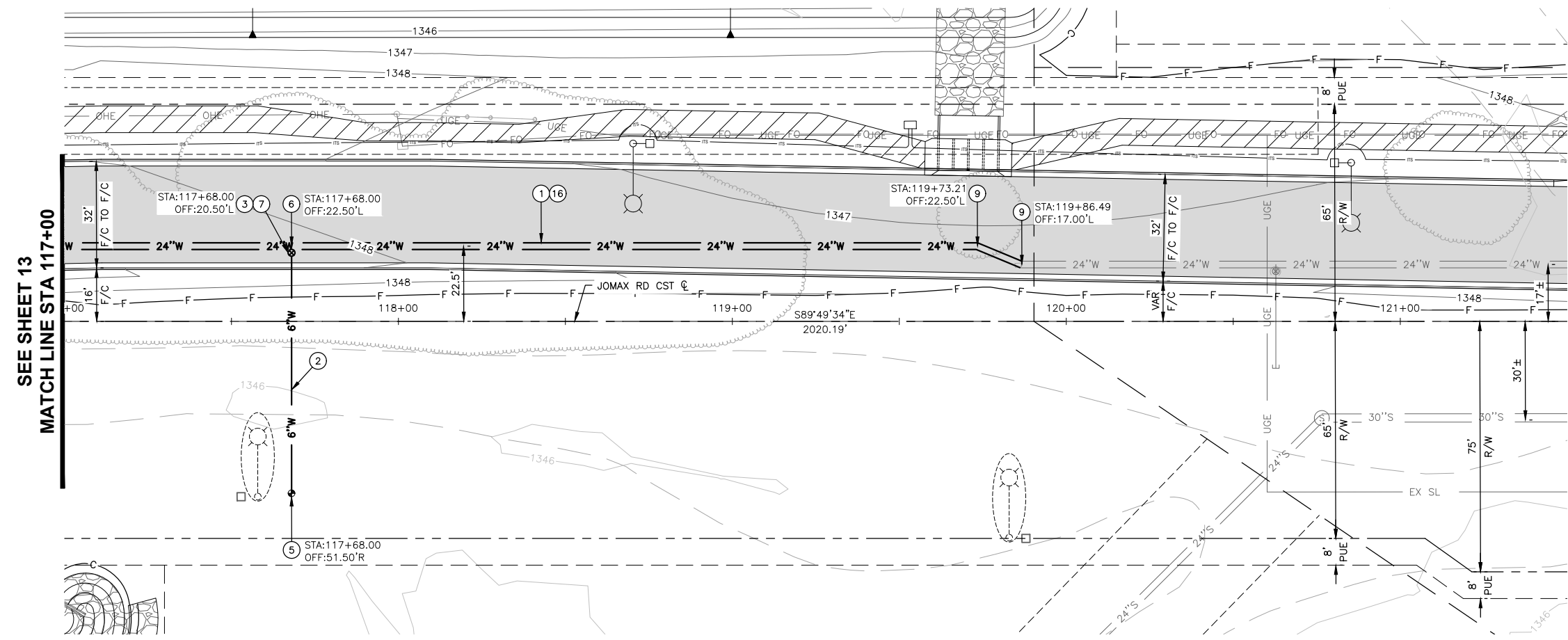
DRAWING NO. W04 LOCATION **JOMAX RD - DYSART RD TO MCMICKEN WASH** SHEET 13 OF 16



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### WATER CONSTRUCTION NOTES

NO.	DESCRIPTION	QTY	UNITS
①	INSTALL 24" DIP CLASS 250 WATER LINE WITH POLYWRAP. JOINT RESTRAINT PER MAG 303-1 & 303-2, LENGTHS PER PLAN	288	LF
②	INSTALL 6" DIP CLASS 350 WATER LINE WITH POLYWRAP. FULL JOINT RESTRAINT	73	LF
③	INSTALL 6" GATE VALVE PER MAG DET 391-1	1	EA
⑤	INSTALL FIRE HYDRANT PER CITY OF PEORIA DET PE-360	1	EA
⑥	INSTALL 24"X24"X6" TEE	1	EA
⑦	ADJUST WATER VALVE & COVER TO GRADE PER CITY OF PEORIA DET PE-270 & MAG DET 391-1	1	EA
⑨	INSTALL 24" DIP 22.5' BEND FITTING	2	EA
⑮	INSTALL 24" DIP CLASS 250 WATER LINE, VERTICAL REALIGNMENT PER MAG DET 370. JOINT RESTRAINT PER MAG 303-1 & 303-2, LENGTHS PER PLAN	2.5	LF
⑯	WATER LINE TRENCH PER MAG STD DET 200-1, TYPE 'E' TRENCH REPAIR & DETAIL 200-3	-	-



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**CITY OF PEORIA**  
ENGINEERING DEPARTMENT

**WATER PLAN & PROFILE**

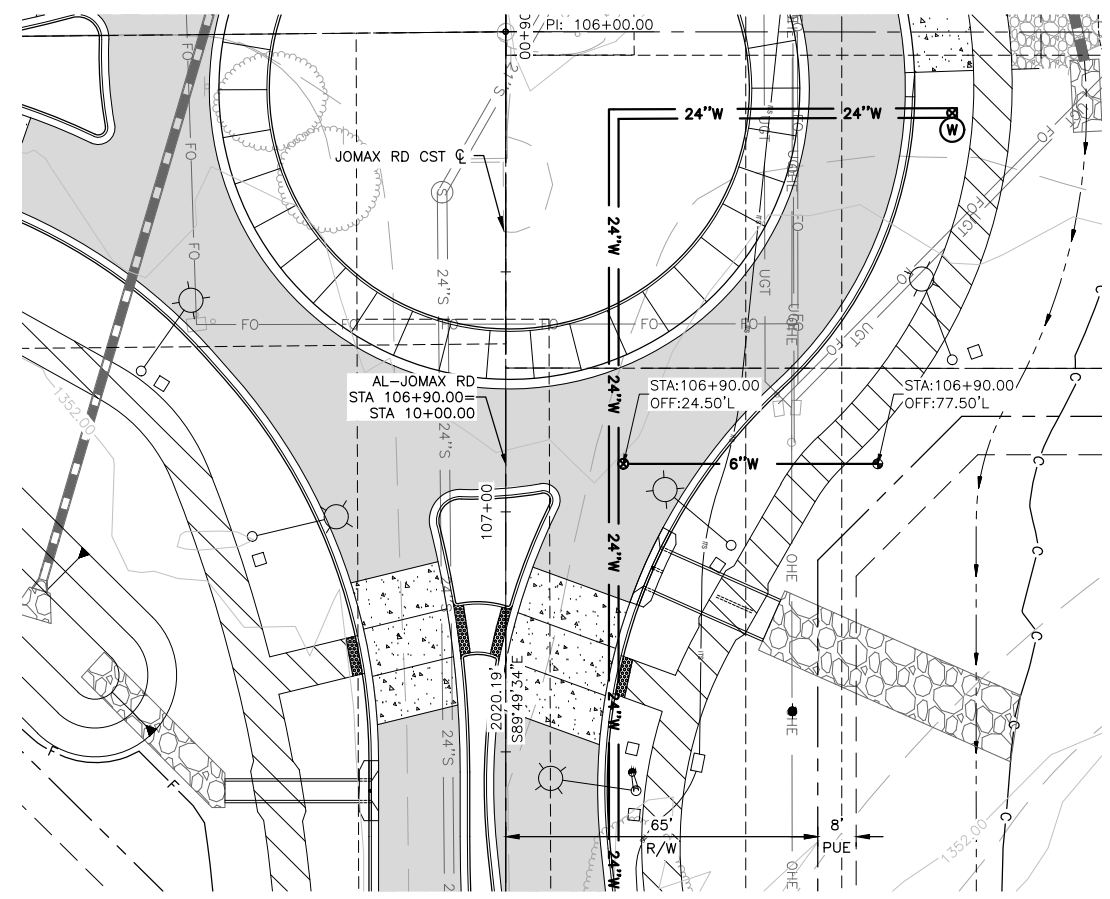
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DRAWING NO. W05 LOCATION **JOMAX RD - DYSART RD TO MCMICKEN WASH** SHEET 14 OF 16

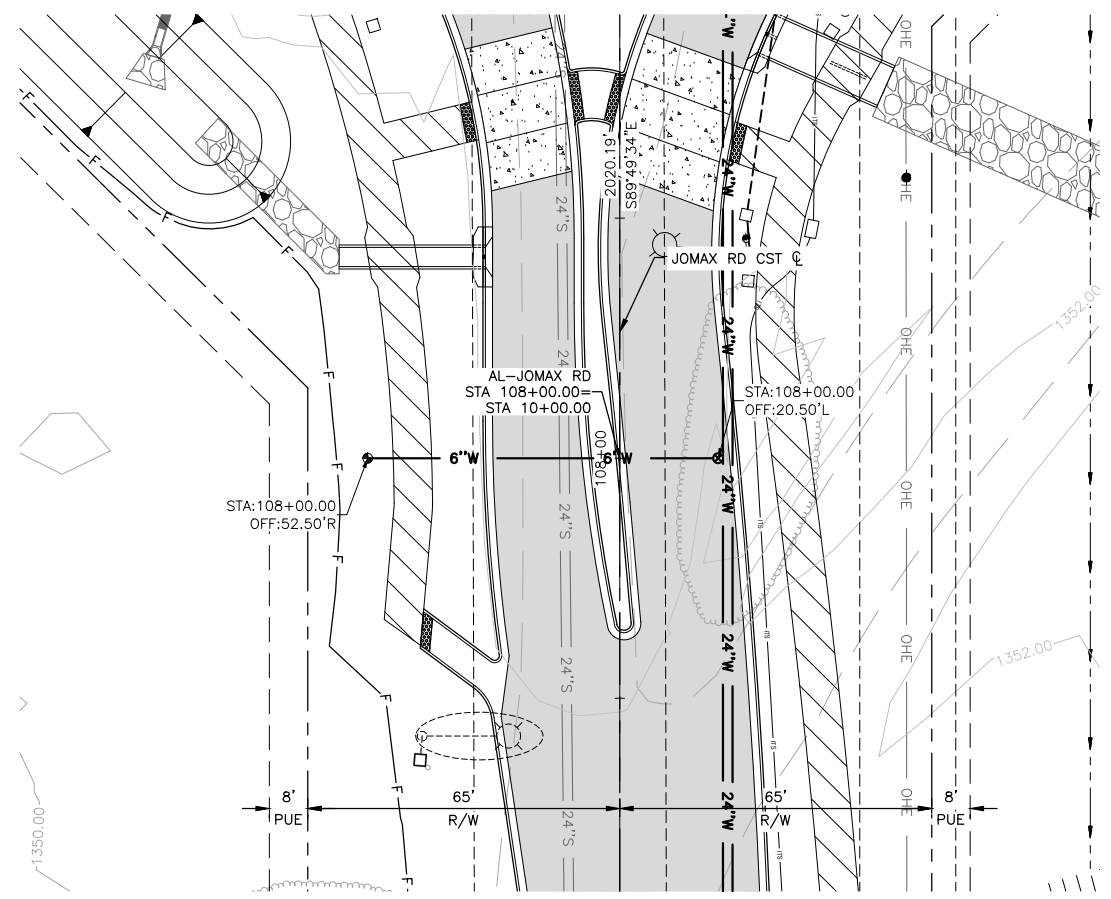
SEE SHEET 13  
MATCH LINE STA 117+00

JOMAX ROAD

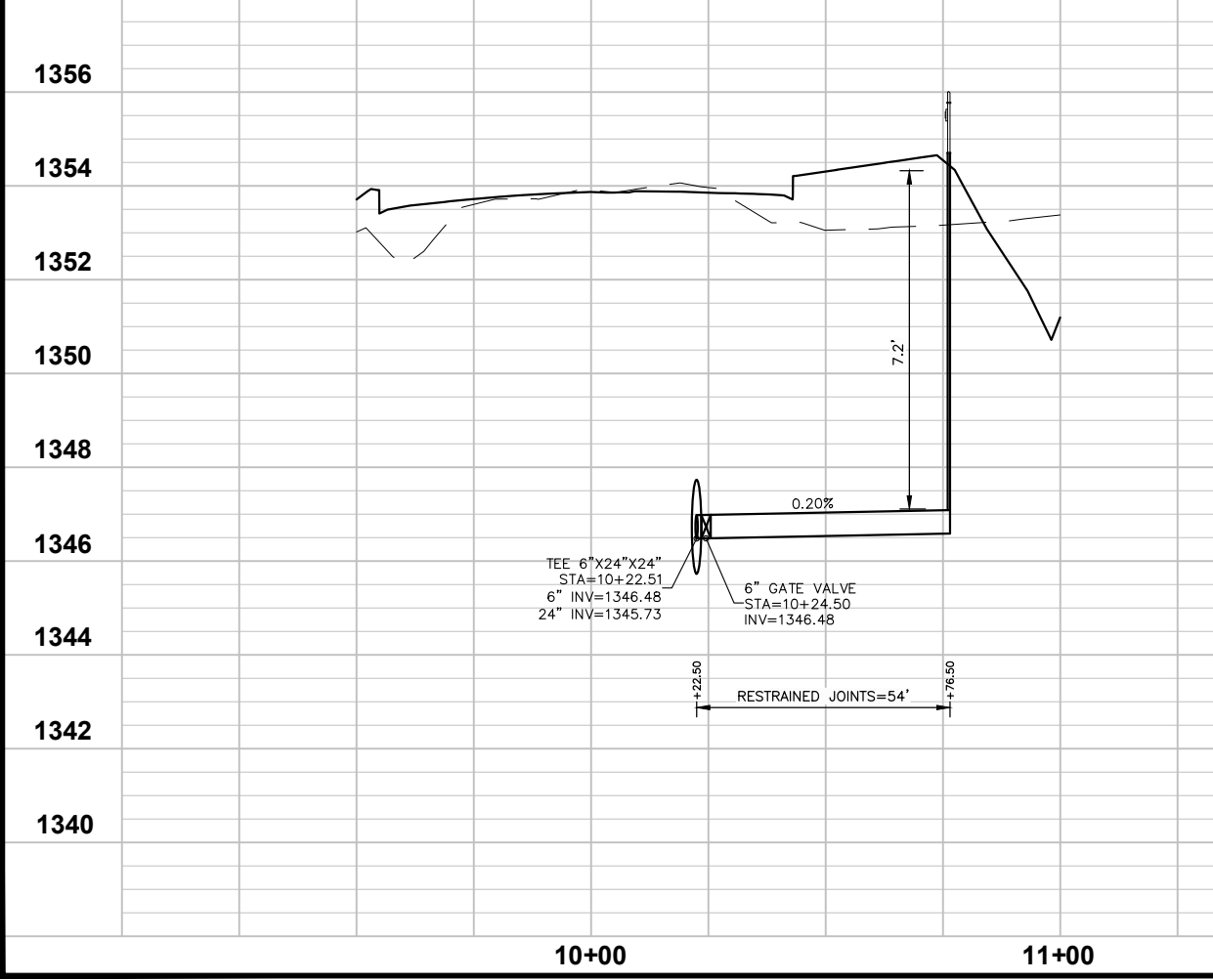
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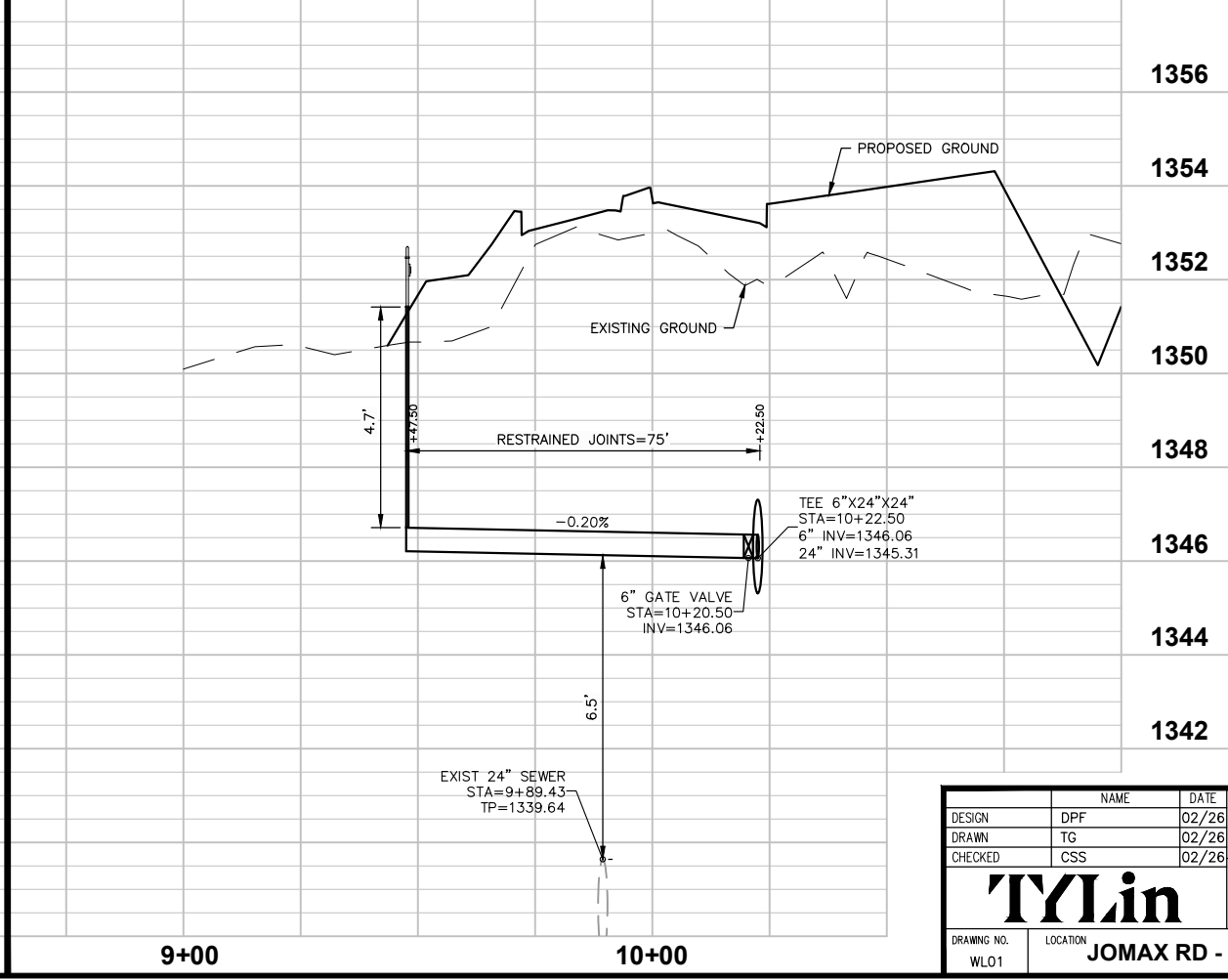
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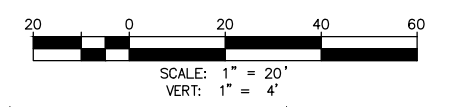
**JOMAX ROAD STA 108+00.00**



**10+00 11+00**



**9+00 10+00**



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TG	TG	02/26
CSS	CSS	02/26

**CITY OF PEORIA**  
ENGINEERING DEPARTMENT

**WATER LATERAL PLAN & PROFILE**

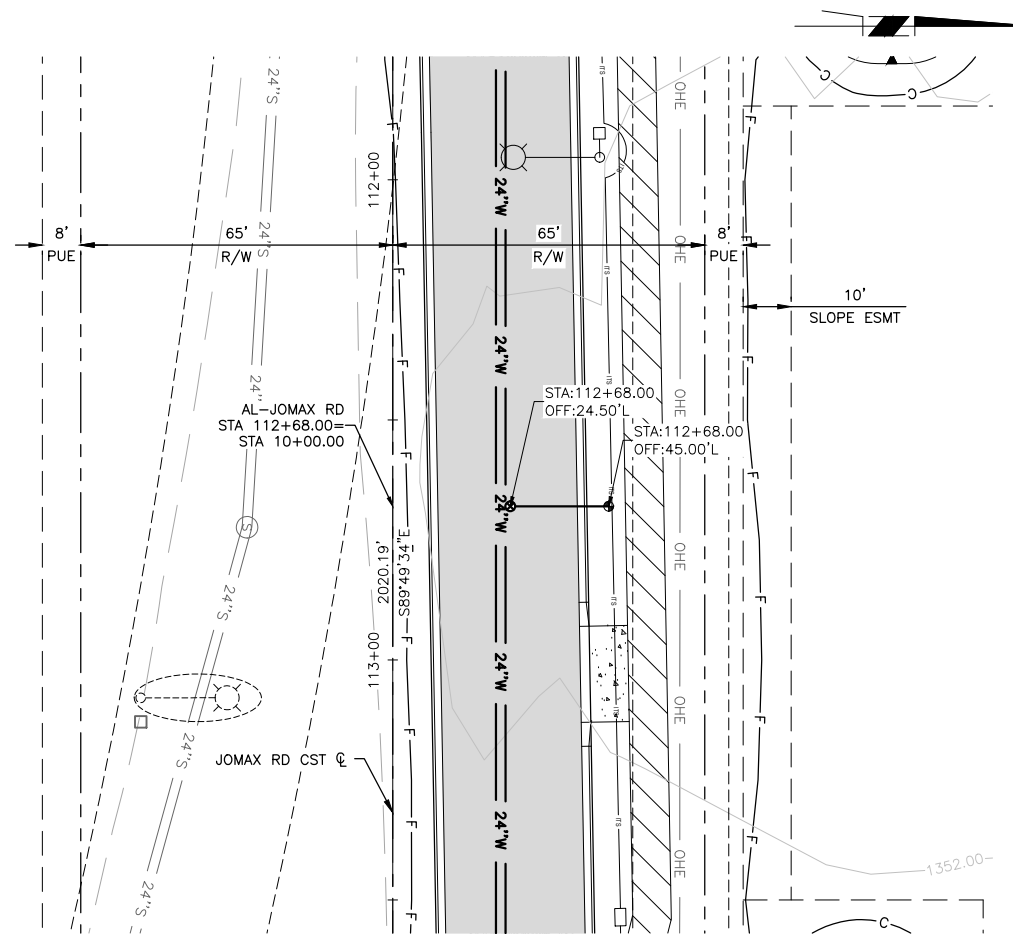
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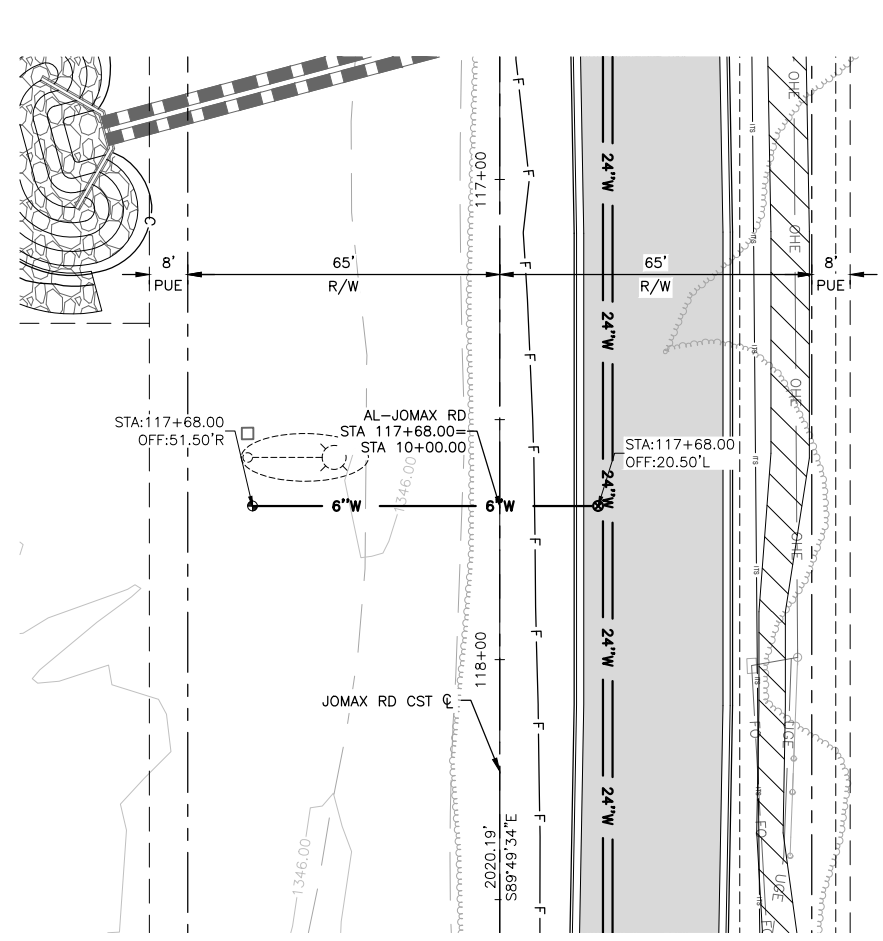
SHEET 15 OF 16

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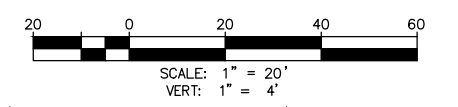
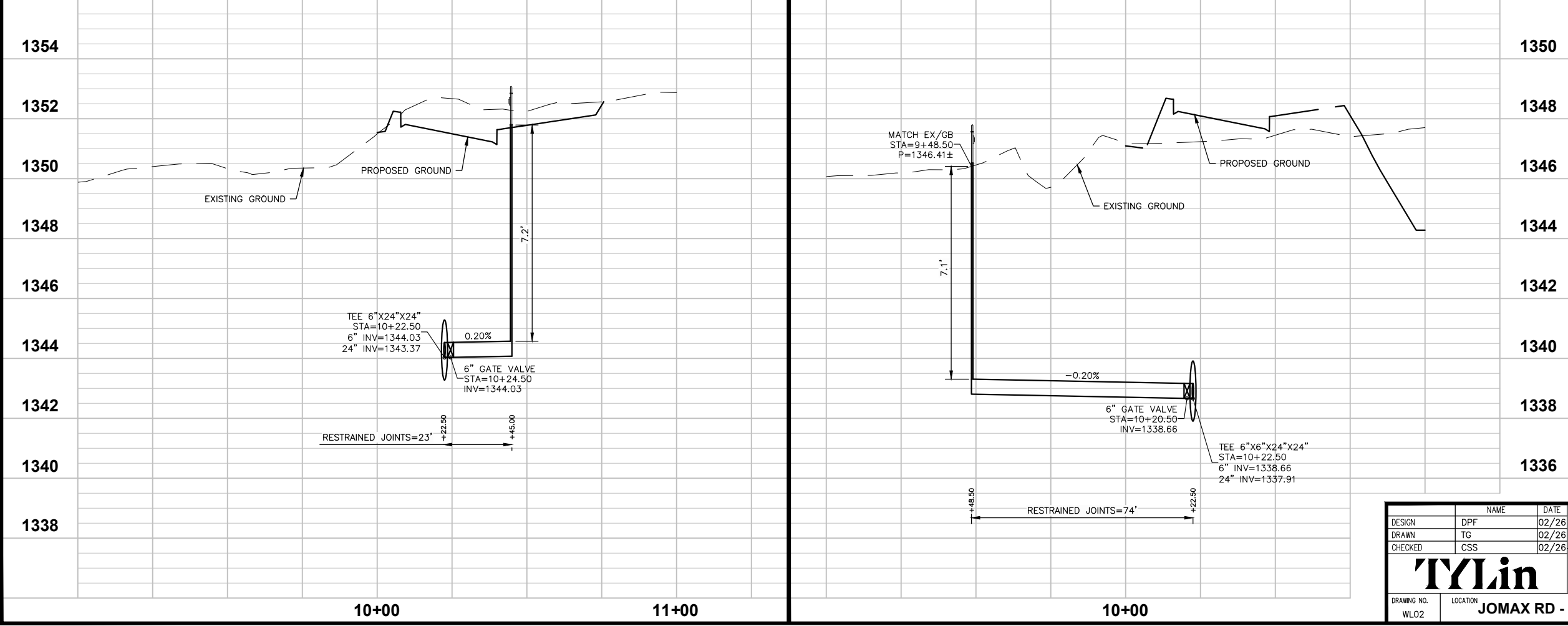
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	AZ	P65410			



**JOMAX ROAD STA 112+68.00**



**JOMAX ROAD STA 117+68.00**



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**TyLin**  
 JOMAX RD - DYSART RD TO MCMICKEN WASH

SHEET 16 OF 16

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