



**GENERAL NOTES**

- ALL CONSTRUCTION SHALL CONFORM TO THE LATEST 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 ENGINEERING DIRECTOR MEANS FOR GENERAL LAYOUT IN RIGHT-OF-WAY ONLY. THIS APPROVAL OF CONSTRUCTION PLANS IS VALID FOR A PERIOD OF NINE (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 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, ARE REQUIRED PRIOR TO COMMENCING WORK. THE BUILDING PERMIT SHALL NOT BE CONSIDERED IN ANY WAY AS PERMISSION TO COMMENCE WORK COVERED BY AN ENGINEERING CONSTRUCTION PERMIT. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO UNDERSTAND THE WORK COVERED BY VARIOUS PERMITS.
- THE ENGINEERING DEPARTMENT, INSPECTION DIVISION, SHALL BE NOTIFIED TWENTY-FOUR (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 EXPENSE.
- AN APPROVED SET OF PLANS MUST BE AVAILABLE ON THE JOB SITE AT ALL TIMES. THE CONTRACTOR'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 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, THE CONTRACTOR 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 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 THE START OF THE NEXT PHASE OF CONSTRUCTION.
- THE CONTRACTOR MUST GIVE 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'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 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 TWENTY-FOUR (24) HOURS OR MORE WITHOUT THE COMMENCEMENT OF THE CONSTRUCTION FOR WHICH IT WAS SET.
- THE CONTRACTOR SHALL CALL 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 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 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.
- 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 INFRASTRUCTURE DEVELOPMENT DESIGN GUIDELINES.
- ANY AND ALL OBSTRUCTIONS WITHIN THE RIGHTS-OF-WAY AND EASEMENTS SHALL BE REMOVED BEFORE ANY CONSTRUCTION IS COMMENCED.
- ALL CONTRACTORS 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 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 SHALL OBTAIN ANY AND ALL PERMITS AS REQUIRED BY OTHER AGENCIES WHICH HAVE JURISDICTION AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL MEET THE REQUIREMENTS OF THESE PERMITS AS SET FORTH THEREIN.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL JOB SITE SAFETY, INCLUDING BUT NOT LIMITED TO MEETING ALL REQUIREMENTS OF OSHA AND ADOSS. THE CITY OF PEORIA ENGINEERING INSPECTOR IS NOT AUTHORIZED TO ADVISE OR DIRECT THE CONTRACTOR REGARDING MATTERS OF JOB SITE SAFETY. SHOULD THE CONTRACTOR ACT ON SUCH ADVICE OR DIRECTION, IT IS AT THE RISK OF THE CONTRACTOR.
- 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 OR 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 RIGHTS-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 RIGHTS-OF-WAY.

**RECLAIMED WATER NOTES**

- UNLESS INDICATED OTHERWISE IN THESE DRAWINGS, RECLAIMED WATER PIPE, VALVES, FITTINGS AND APPURTENANCES SHALL BE INSTALLED AND IDENTIFIED IN ACCORDANCE WITH MAG SECTION 616.
- ACCEPTABLE RECLAIMED WATER LINE MATERIALS:
  - DUCTILE IRON PIPE SHALL CONFORM TO MAG SECTION 750.
  - DUCTILE IRON PIPE, PRESSURE CLASS 350, IS ACCEPTABLE FOR RECLAIMED WATER LINES SIZES 4-INCHES THROUGH 12-INCHES IN DIAMETER.
  - DUCTILE IRON PIPE, PRESSURE CLASS 250 MINIMUM, IS ACCEPTABLE FOR RECLAIMED WATER LINES 16-INCHES IN DIAMETER.
  - ALL DUCTILE IRON PIPE SHALL HAVE POLYWRAP AND IDENTIFICATION TAPE INSTALLED IN CONFORMANCE WITH SECTION 616.4 OF THE MAG STANDARD SPECIFICATIONS. ALL POLYWRAP SHALL BE PURPLE IN COLOR. COPPER PIPE SHALL CONFORM TO MAG SECTION 754.
  - COPPER PIPE (TYPE K) PIPE IS ACCEPTABLE FOR RECLAIMED WATER SERVICE LINES 1-INCH TO 2-INCHES IN DIAMETER.
- TRENCH EXCAVATION, BACKFILLING AND COMPACTION SHALL CONFORM WITH MAG STANDARD SPECIFICATION SECTION 601 EXCEPT AS MODIFIED HEREIN.
- RECLAIMED WATER LINES MUST MAINTAIN MINIMUM SEPARATION FROM POTABLE AND SEWER LINES PER MAG STANDARD DETAILS 404.
- BACKFILL SHALL BE TYPE I AS DEFINED IN SECTION 601 OF THE MAG STANDARD SPECIFICATIONS.
- THE CONTRACTOR IS RESPONSIBLE TO NOTIFY THE CITY ENGINEERING INSPECTOR BEFORE THE RECLAIMED WATER LINE OR FITTINGS ARE COVERED. ANY CHANGES TO THE APPROVED PLANS MUST BE AUTHORIZED BY THE CITY ENGINEERING INSPECTOR AND THE OWNER BEFORE THE CHANGE IS MADE IN THE FIELD.
- RECLAIMED WATER LINES LESS THAN 12-INCHES IN DIAMETER SHALL HAVE A MINIMUM COVER OF 48-INCHES OVER THE TOP OF THE PIPE TO FINISH GRADE, UNLESS DESIGN CONDITIONS WARRANT ADDITIONAL COVER.
- RECLAIMED WATER LINES 12-INCHES OR LARGER IN DIAMETER SHALL HAVE A MINIMUM COVER OF 60-INCHES OVER THE TOP OF THE PIPE TO FINISH GRADE, UNLESS DESIGN CONDITIONS WARRANT ADDITIONAL COVER.
- ALL VALVES 16-INCHES AND UNDER SHALL BE RESILIENT SEAT ANWA APPROVED GATE VALVES AND SHALL OPEN BY TURNING TO THE LEFT.
- VALVES SHALL NOT BE LOCATED IN SIDEWALKS, GUTTERS, CURB, OR VALLEY GUTTERS.
- ALL VALVE BOXES AND COVERS SHALL CONFORM TO DETAIL #5 ON SHEET DT01.
- CONTRACTORS SHALL NOT OPERATE VALVES ON THE EXISTING CITY SYSTEM.
- THRUST RESTRAINT SHALL BE INSPECTED PRIOR TO BACKFILL. REINFORCING STEEL AND FORM WORK SHALL BE INSPECTED PRIOR TO PLACING CONCRETE FOR THRUST BLOCKS. THRUST RESTRAINT SHALL CONFORM TO MAG STANDARD SPECIFICATION 610.14 AND MAG STANDARD DETAILS 310, 303, 380 AND 381. ALL JOINT RESTRAINTS SHALL BE MEGALUG OR APPROVED EQUIVALENT PER THE CITY OF PEORIA INFRASTRUCTURE GUIDELINES.
- ALL PAVEMENT REPLACEMENT SHALL CONFORM TO MAG STANDARD DETAIL 200 WITH "T-TOP" UNLESS OTHERWISE INDICATED IN THESE DRAWINGS.
- PRESSURE TESTING SHALL NOT BE CONDUCTED UNTIL AFTER THE CONTRACTOR HAS PRETESTED 100% OF THE LINES. INSPECTION TESTING MUST BE CALLED 24-HOURS IN ADVANCE. RECLAIMED WATER LINES MUST PASS TESTING PRIOR TO PAVING.
- THE CONTRACTOR SHALL NOT TIE INTO EXISTING MAINS WITHOUT PRIOR APPROVAL OF THE CITY ENGINEERING INSPECTOR.

- THE FOLLOWING MAG UNIFORM STANDARD DETAILS ARE SPECIFICALLY NOT APPROVED:
  - NO. 345 TWO 4-INCHES, 6-INCH WATER METER
  - NO. 360 FIRE HYDRANT INSTALLATION
  - NO. 389 CURB STOP WITH VALVE BOX & COVER
  - NO. 391 ONE VALVE BOX INSTALLATION AND GRADE ADJUSTMENT, TYPES "B" & "C"
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO MEET OSHA STANDARDS FOR "TRENCH SAFETY".
- THE COMPLETED INSTALLATION SHALL COMPLY WITH APPLICABLE FEDERAL, STATE, AND LOCAL CODES, ORDINANCES AND REGULATIONS. ALL WORK SHALL BE COMPLETED IN A NEAT, WORKMANLIKE MANNER IN ACCORDANCE WITH THE LATEST NECA STANDARDS OF INSTALLATIONS UNDER COMPETENT SUPERVISION. INSTALL GROUNDING PER NEC.
- VISIT THE SITE PRIOR TO BIDDING TO BECOME FAMILIAR WITH EXISTING CONDITIONS AND OTHER FACTORS, WHICH MAY EFFECT THE EXECUTION OF THE WORK. INCLUDE ALL RELATED COSTS IN THE INITIAL BID PROPOSAL.
- THE CONTRACTOR SHALL COORDINATE WORK WITH THE UTILITIES PROVIDING SERVICES ON THIS PROJECT, AND SHALL COMPLY WITH ALL THEIR INSTALLATION REQUIREMENTS.
- ALL MATERIALS SHALL BE NEW AND OF THE BEST QUALITY, MANUFACTURED IN ACCORDANCE WITH NEMA, ANSI, UL, OR OTHER APPLICABLE STANDARDS. THE USE OF MANUFACTURERS' NAMES, MODELS, AND NUMBERS IS INTENDED TO ESTABLISH STYLE, QUALITY, APPEARANCE, USEFULNESS, AND BID PRICE.

**WATER NOTES**

- 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 THE CITY OF PEORIA STANDARD DETAIL PE-401, BEDDING AND BACKFILL.
- BACKFILL SHALL BE TYPE 1 AS DEFINED IN SECTION 601.4.3 OF THE MAG STANDARD SPECIFICATIONS.
- 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 TEN 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, WHO WILL IN TURN COORDINATE WITH NECESSARY UTILITY STAFF. FAILURE TO COMPLETE THIS FORM MAY RESULT IN DELAYS TO CONSTRUCTION ACTIVITIES.
- ALL JOINT RESTRAINTS SHALL BE INSPECTED PRIOR TO BACKFILL. JOINT RESTRAINTS SHALL BE MEGALUG OR APPROVED EQUIVALENT PER THE CITY OF PEORIA INFRASTRUCTURE GUIDELINES.
- 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.
- 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 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 DESIGNER SHALL BE PRESENT DURING TESTING PROCEDURES SO THAT THE REQUIREMENTS OF THE AOC CAN BE COMPLETED IN FULL.

**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, GRADING, HAULING MATERIAL IN EXCESS OF 100 CUBIC YARDS, OILING, GRAVELING OR ANY SURFACING OF ANY STREET, ALLEY, WATER SYSTEM, SEWER 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.
- THE CITY'S ORDINANCE NO. 98-04 ESTABLISHES CONSTRUCTION WORK HOURS AS FOLLOWS:
 

CONSTRUCTION TYPE:	APRIL 2-SEPTEMBER 29	SEPTEMBER 30-APRIL 1
A CONCRETE WORK	5:00 AM TO 7:00 PM	6:00 AM TO 7:00 PM
B OTHER CONSTRUCTION (WITHIN 500 FT OF RESIDENTIAL AREA)	6:00 AM TO 7:00 PM	7:00 AM TO 7:00 PM
C CONSTRUCTION WORK (MORE THAN 500 FT FROM RESIDENTIAL AREA)	5:00 AM TO 7:00 PM	5:00 AM TO 7:00 PM
- THIS DOCUMENT 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 AM TO 8:30 AM OR FROM 4:00 PM TO 7:00 PM 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 MUST PROVIDE THE CITY OF PEORIA WITH THE SPECIFIC INFORMATION AND PAYMENT OF FEES LISTED BELOW. ANY PERSON, CORPORATION, CONTRACTOR, OR UTILITY COMPANY WORKING IN THE RIGHT-OF-WAY, ROAD, STREET, OR EASEMENT GRANTED FOR PUBLIC USE OR ALLEYS WITHOUT SECURING A PERMIT IS SUBJECT TO A FINE IN ACCORDANCE WITH ORDINANCE NO. 01-181.
- THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN PER THE PHOENIX TRAFFIC BARRICADE MANUAL. BARRICADES MUST BE CONTINUALLY MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT (REFER TO CITY ORDINANCE NO. 01-181). IF ANY PART OF THE TRAFFIC CONTROL PLAN FALLS WITHIN 300' OF A SIGNALIZED INTERSECTION, AN OFF-DUTY OFFICER WILL BE REQUIRED FOR TRAFFIC CONTROL. A TRAFFIC CONTROL PLAN (TCP) SHALL BE SUBMITTED TO THE 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. 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.

**LEGEND**

	EXISTING PAVEMENT	--UGE--	EXISTING UNDERGROUND ELECTRIC LINE	COP	CITY OF PEORIA
	EXISTING SEWER MANHOLE	---T---	EXISTING CABLE TELEVISION LINE	MCDOT	MARICOPA DEPT. OF TRANSPORTATION
	EXISTING WATER VALVE	---W---	EXISTING TELEPHONE LINE	ESMT	EASEMENT
	EXISTING FIRE HYDRANT	--SEW--	EXISTING WATER LINE	PUE	PUBLIC UTILITY EASEMENT
	EXISTING TELEPHONE PEDESTAL	--GAS--	EXISTING SEWER LINE	TCE	TEMPORARY CONSTRUCTION EASEMENT
	EXISTING STORM DRAIN MANHOLE	--RWL--	EXISTING GAS LINE	RW	RIGHT OF WAY
	EXISTING UTILITY POLE	--TSI--	EXISTING RECLAIMED WATER LINE	RCP	REINFORCED CONCRETE PIPE
	EXISTING DOWN GUY	--SD--	EXISTING TRAFFIC SIGNAL CONDUIT	DIP	DUCTILE IRON PIPE
TRANS	EXISTING TRANSFORMER	--IRR--	EXISTING STORM DRAIN	CIPP	CAST IN PLACE PIPE
	EXISTING GAS VALVE	--FO--	EXISTING IRRIGATION PIPE	AC	ALUMINUM CAP
	EXISTING SIGN		EXISTING FIBER OPTIC LINE	BC	BRASS CAP
CLF--o--	EXISTING CHAIN LINK FENCE		EXISTING ELECTRICAL PULL BOX	BOCH	BRASS CAP IN HANDHOLE
BWF--x--	EXISTING BARB WIRE FENCE		EXISTING TELEPHONE MANHOLE	BCF	BRASS CAP FLUSH
WIF--x--	EXISTING WROUGHT IRON FENCE		EXISTING WATER METER	STA	STATION
--CLD--	EXISTING CONCRETE LINED DITCH		EXISTING TRAFFIC SIGNAL BOX	OFF	OFFSET
--OHE--	EXISTING OVERHEAD ELECTRIC LINE		EXISTING TRAFFIC SIGNAL	RWL	RECLAIMED WATERLINE
	EXISTING BENCHMARK POINT		EXISTING MONUMENT		
	SIXTEENTH LINE POINT		PROPOSED RECLAIMED WATER LINE		
			PROPOSED RECLAIMED WATER VALVE		
			EXISTING RIGHT OF WAY		
			PROPOSED EASEMENT		

**ABBREVIATIONS**

COP	CITY OF PEORIA
MCDOT	MARICOPA DEPT. OF TRANSPORTATION
ESMT	EASEMENT
PUE	PUBLIC UTILITY EASEMENT
TCE	TEMPORARY CONSTRUCTION EASEMENT
RW	RIGHT OF WAY
RCP	REINFORCED CONCRETE PIPE
DIP	DUCTILE IRON PIPE
CIPP	CAST IN PLACE PIPE
AC	ALUMINUM CAP
BC	BRASS CAP
BOCH	BRASS CAP IN HANDHOLE
BCF	BRASS CAP FLUSH
STA	STATION
OFF	OFFSET
RWL	RECLAIMED WATERLINE

	 <p>Engineers, Planners &amp; Surveyors 2045 S. Vineyard Ave., Ste. 101, Mesa, Arizona 85210 Phone (480) 503-2250 Fax (480) 503-2258</p>
	<p><b>CITY OF PEORIA</b> PUBLIC WORKS / UTILITIES DEPARTMENT</p> <p>83RD AVENUE RECLAIMED WATERLINE</p>
<p><b>NOTES SHEET</b></p>	
DESIGNED BY: JL	CITY OF PEORIA PROJECT NO. UT00305
DRAWN BY: BM	
DRAWING NO. CS02	SHEET 2 OF 23

BUTLER DR

ALICE AVE

OLIVE AVE

85TH AVE

CENTENNIAL PLAZA

MOUNTAIN VIEW RD

83RD AVE

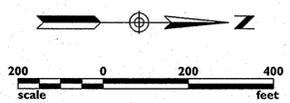
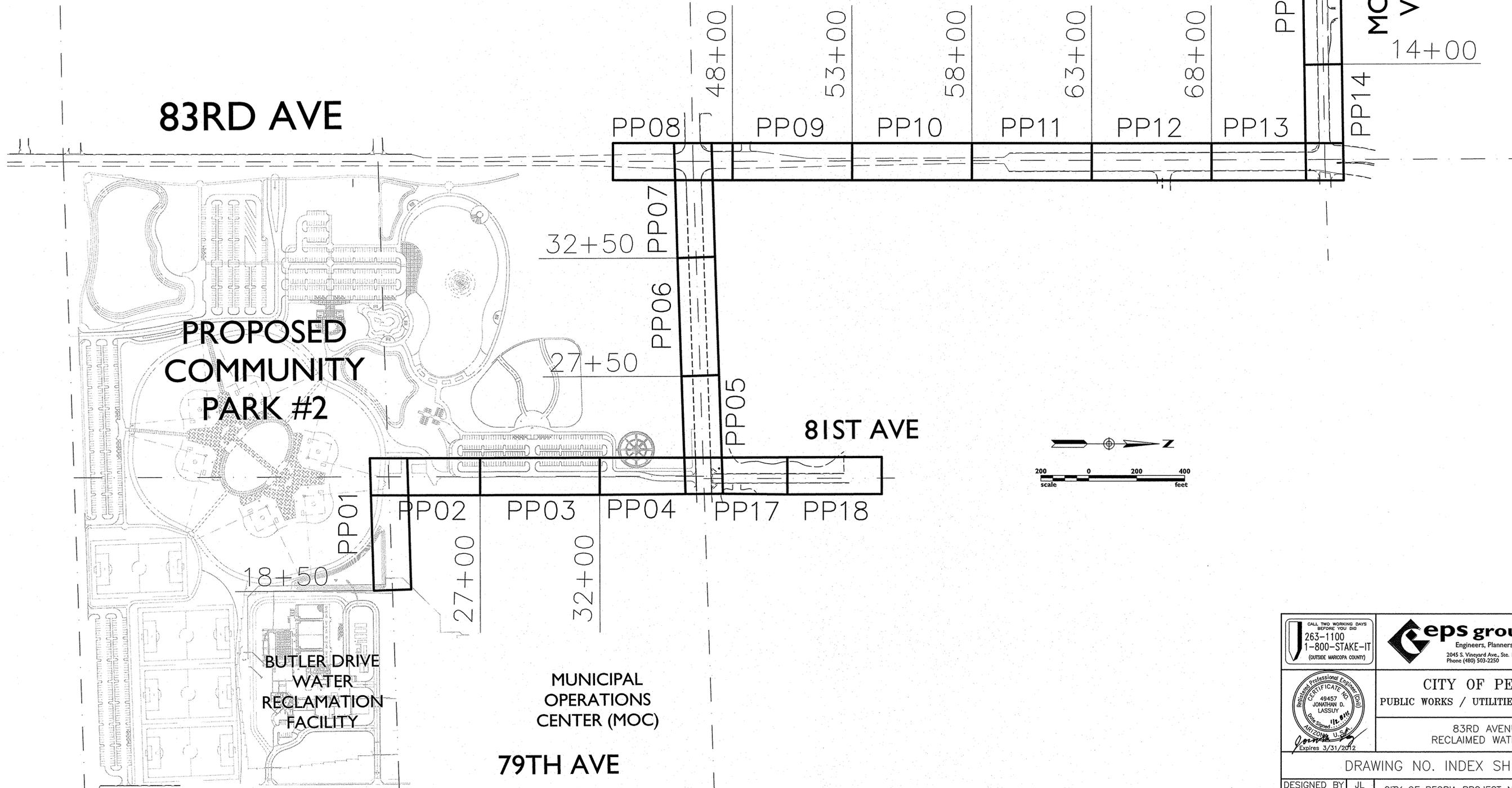
PROPOSED COMMUNITY PARK #2

81ST AVE

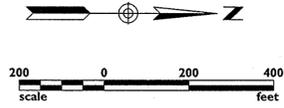
BUTLER DRIVE WATER RECLAMATION FACILITY

MUNICIPAL OPERATIONS CENTER (MOC)

79TH AVE



<p>CALL TWO WORKING DAYS BEFORE YOU DIG 263-1100 1-800-STAKE-IT (OUTSIDE MARICOPA COUNTY)</p>	<p><b>Geps group, Inc.</b> Engineers, Planners &amp; Surveyors 2045 S. Vineyard Ave., Ste. 101, Mesa, Arizona 85210 Phone (480) 503-2250 Fax (480) 503-2258</p>
	<p>CITY OF PEORIA PUBLIC WORKS / UTILITIES DEPARTMENT</p> <p>83RD AVENUE RECLAIMED WATERLINE</p>
<p>DRAWING NO. INDEX SHEET</p>	
<p>DESIGNED BY: JL DRAWN BY: BM</p>	<p>CITY OF PEORIA PROJECT NO. UT00305</p>
<p>DRAWING NO. CS03</p>	<p>SHEET 3 OF 23</p>



BUTLER DR

ALICE AVE

OLIVE AVE

87TH AVE

85TH AVE

MOUNTAIN VIEW RD

PEORIA AVE

83RD AVE

79TH AVE

BENCHMARK POINTS

**BENCHMARK #1**

BRASS CAP IN HANDHOLE  
W 1/4 COR, SEC 35  
83RD AVE STATION = 20+00.00  
BUTLER DR STATION = 10+00.00  
ELEV = 1112.88  
N=331154.64  
E=402176.45  
PEORIA SURVEY POINT # 3346

**BENCHMARK #2**

1" IRON PIPE  
CENTER, SEC 35  
BUTLER DR STATION = 36+59.61  
ELEV = 1119.96  
N=331221.48  
E=404834.83  
PEORIA SURVEY POINT # 3355

**BENCHMARK #3**

BRASS CAP IN HANDHOLE  
INTERSECTION OF OLIVE AVE AND 83RD AVE  
83RD AVE STATION = 46+34.90  
OLIVE AVE STATION = 36+53.56  
ELEV = 1124.74  
N=333789.43  
E=402201.53  
PEORIA SURVEY POINT # 3343

**BENCHMARK #4**

BRASS CAP IN HANDHOLE  
N 1/4 COR, SEC 35  
OLIVE AVE STATION = 10+00.00  
ELEV = 1129.35  
N=333856.28  
E=404854.25  
PEORIA SURVEY POINT # 3352

**BENCHMARK #5**

FLUSH BRASS CAP  
INTERSECTION OF MOUNTAIN VIEW RD AND 83RD AVE  
83RD AVE STATION = 72+73.94  
MOUNTAIN VIEW RD STATION = 10+00.00  
ELEV = 1131.47  
N=336427.63  
E=402217.86

**BENCHMARK #6**

FLUSH BRASS CAP  
INTERSECTION OF MOUNTAIN VIEW RD AND 87TH AVE  
MOUNTAIN VIEW RD STATION = 36+38.48  
ELEV = 1125.73  
N=336405.91  
E=399579.47  
PEORIA SURVEY POINT # 3275

**BENCHMARK #7**

BRASS CAP IN HANDHOLE  
NE COR, SEC 27  
83RD AVE STATION = 99+10.43  
ELEV = 1141.06  
N=339064.85  
E=402234.12

**BENCHMARK #8**

FLUSH BRASS CAP  
INTERSECTION OF OLIVE AVE  
AND 81ST AVE  
81ST AVE STATION = 10+00.00  
OLIVE AVE STATION = 23+16.60  
ELEV = 1127.62  
N=333822.93  
E=403538.06

**BENCHMARK #9**

FLUSH BRASS CAP  
INTERSECTION OF HATCHER ROAD  
AND 81ST AVE  
81ST AVE STATION = 23+19.16  
ELEV = 1130.32  
N=335142.06  
E=403546.06

SIXTEENTH LINE POINTS

**SIXTEENTH LINE POINT #1**

N=332472.03  
E=402188.99  
83RD AVE STA = 33+17.45  
SIXTEENTH LINE STA = 36+56.39

**SIXTEENTH LINE POINT #2**

N=332538.88  
E=404844.54  
SIXTEENTH LINE STA = 10+00.00

**SIXTEENTH LINE POINT #3**

N=331188.06  
E=403505.64  
BUTLER DR STA = 23+29.61  
SIXTEENTH LINE STA = 10+00.00

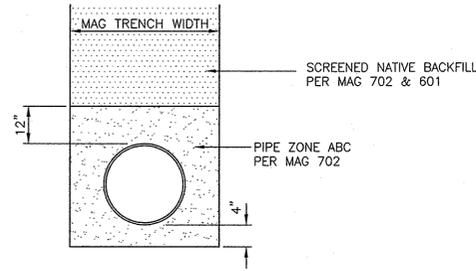
**SIXTEENTH LINE POINT #4**

N=333822.85  
E=403527.89  
OLIVE AVE STA = 23+26.78  
SIXTEENTH LINE STA = 36+34.89

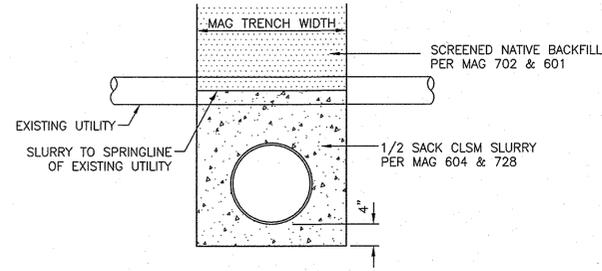
**NOTES:**

1. NORTHINGS AND EASTINGS FOR BENCHMARKS AND SIXTEENTH LINE POINTS ARE BASED ON CITY OF PEORIA HORIZONTAL DATUM CONTROL.
2. ALL VALUES SHOWN ARE GROUND COORDINATES.
3. FOR GRID TO GROUND CONVERSION FACTOR SEE [HTTP://WWW.PEORIAAZ.GOV/CONTROL](http://www.peoriaaz.gov/control).

	<p>Engineers, Planners &amp; Surveyors 2045 S. Vineyard Ave., Ste. 101, Mesa, Arizona 85210 Phone (480) 503-2250 Fax (480) 503-2258</p>
	<p><b>CITY OF PEORIA</b> PUBLIC WORKS / UTILITIES DEPARTMENT</p> <p>83RD AVENUE RECLAIMED WATERLINE</p>
<p>CONTROL SHEET</p>	
<p>DESIGNED BY: JL DRAWN BY: BM</p>	<p>CITY OF PEORIA PROJECT NO. UT00305</p>
<p>DRAWING NO. CS04</p>	<p>SHEET 4 OF 23</p>

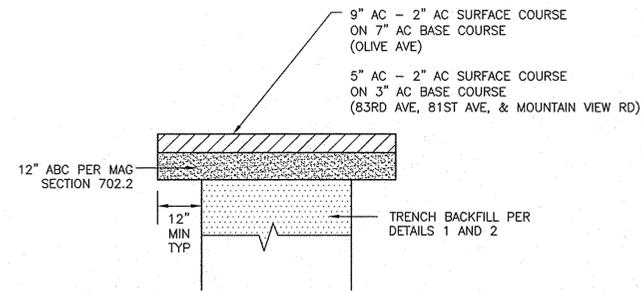


**TRENCH BACKFILL** ①  
NTS



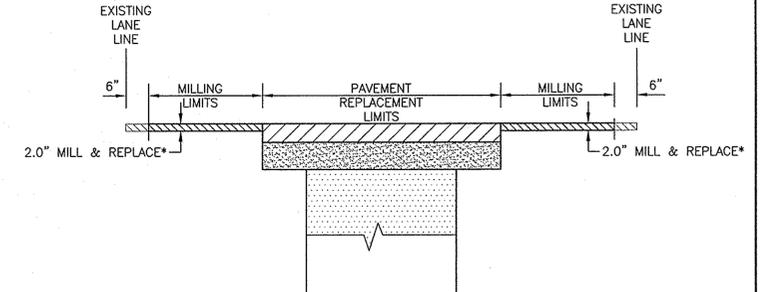
**TRENCH BACKFILL AT UTILITY CROSSINGS** ②  
NTS

NOTE: SLURRY SHALL EXTEND TO OUTSIDE DIAMETER OF EXISTING UTILITY.



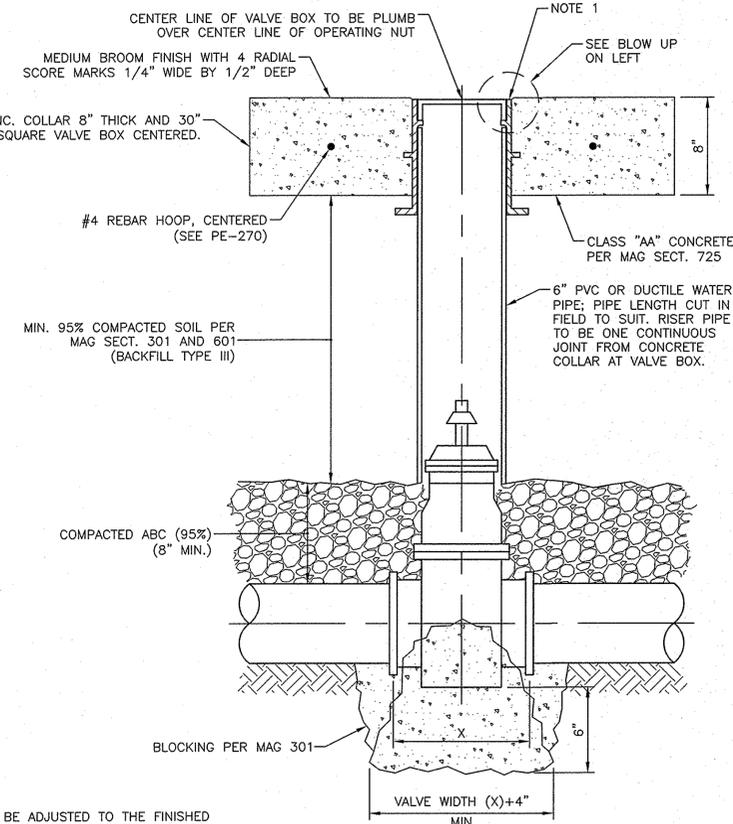
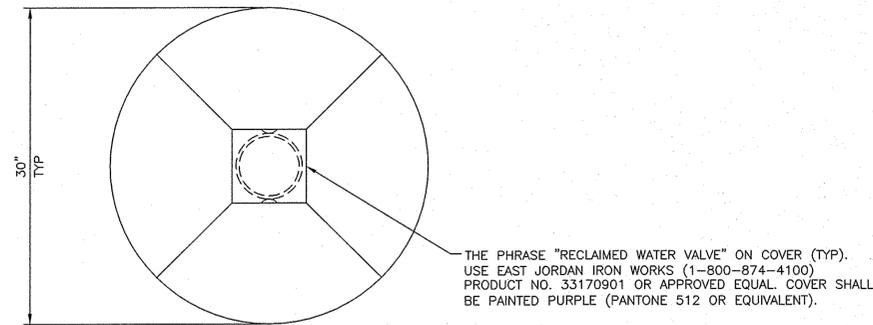
NOTE: PAVEMENT SHALL BE C-3/4" PER CITY OF PHOENIX APPROVED MIX DESIGN

**PAVEMENT REPLACEMENT** ③  
NTS



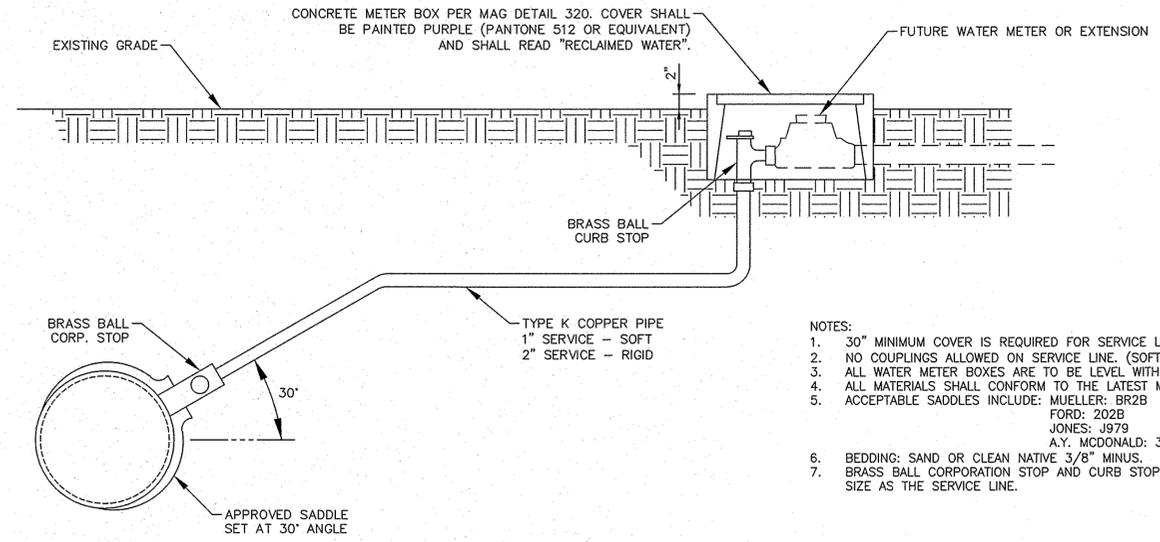
\*PAVEMENT SHALL BE C-3/4" PER CITY OF PHOENIX APPROVED MIX DESIGN

**MILLING DETAIL (OLIVE AVE)** ④  
NTS



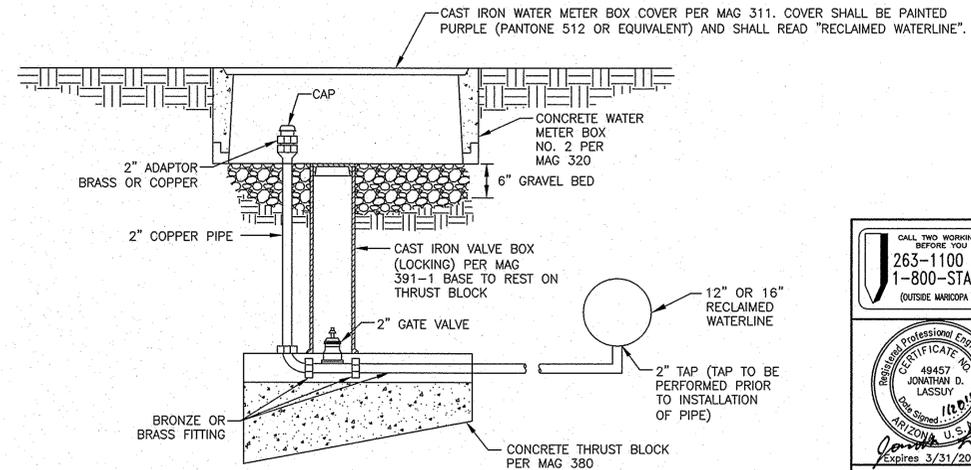
**RECLAIMED WATER VALVE BOX INSTALLATION AND ADJUSTMENT** ⑤  
NTS

NOTES:  
1. VALVE BOX SHALL BE ADJUSTED TO THE FINISHED GRADE PRIOR TO PLACING OF THE PORTLAND CEMENT CONCRETE SURFACE.



- NOTES:
- 30" MINIMUM COVER IS REQUIRED FOR SERVICE LINES.
  - NO COUPLINGS ALLOWED ON SERVICE LINE. (SOFT COPPER)
  - ALL WATER METER BOXES ARE TO BE LEVEL WITH EXISTING GROUND.
  - ALL MATERIALS SHALL CONFORM TO THE LATEST MAG SPECIFICATIONS.
  - ACCEPTABLE SADDLES INCLUDE: MUELLER: BR2B  
FORD: 202B  
JONES: J979  
A.Y. MCDONALD: 3825
  - BEDDING: SAND OR CLEAN NATIVE 3/8" MINUS.
  - BRASS BALL CORPORATION STOP AND CURB STOP TO BE THE SAME SIZE AS THE SERVICE LINE.

**RECLAIMED WATER SERVICE CONNECTION** ⑥  
CITY OF PEORIA DETAIL PE-363 (MODIFIED)  
NTS

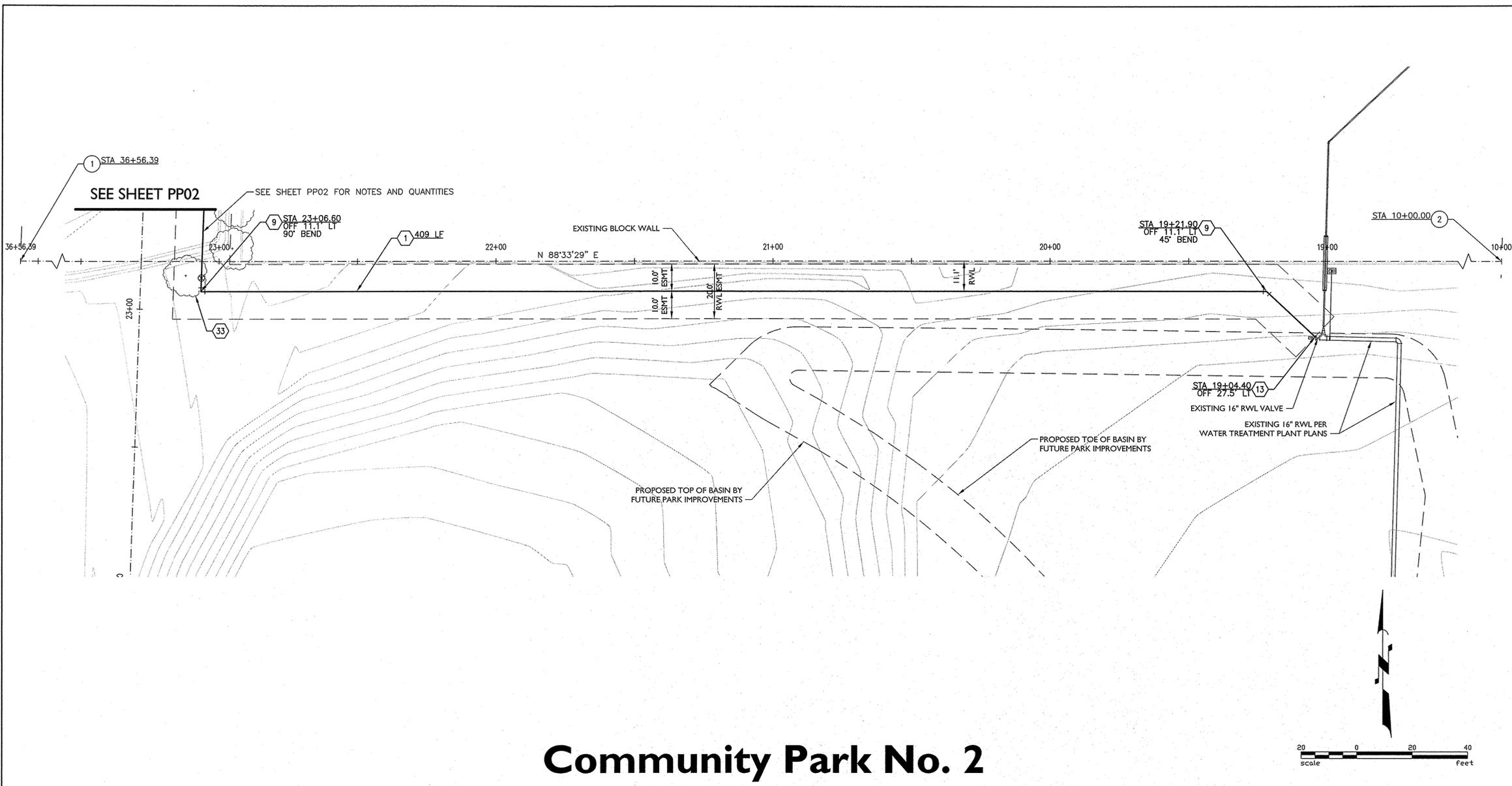


**METER BOX WITH FLUSHING PIPE** ⑦  
MAG 390 TYPE 'B' (MODIFIED)  
NTS

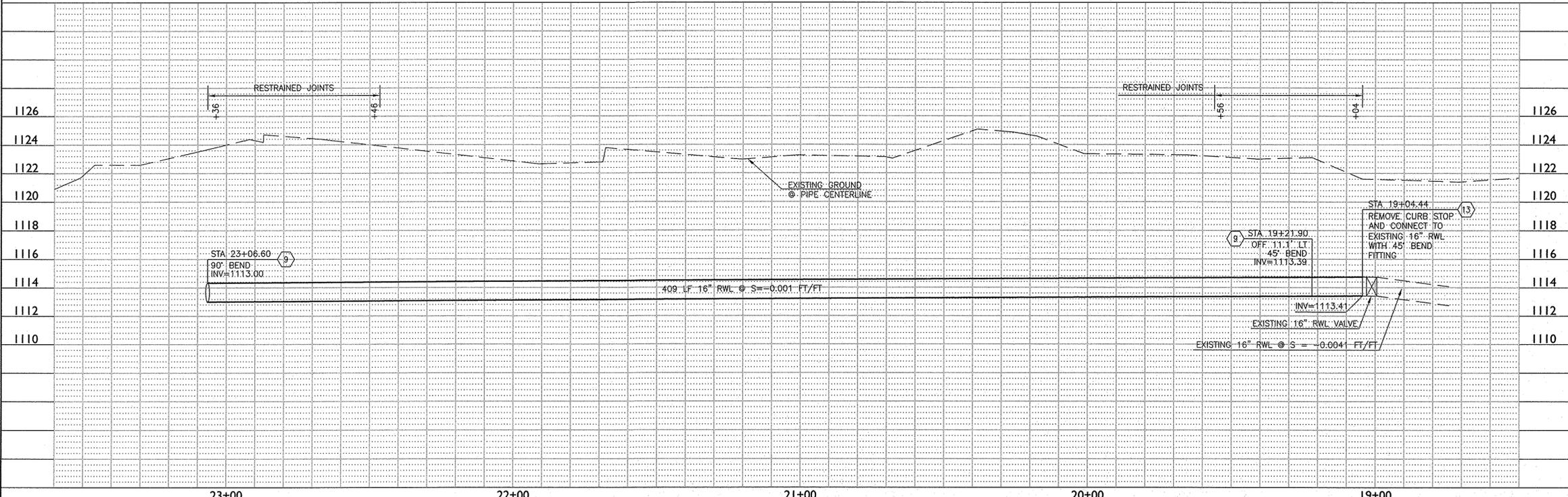
	<b>eps group, Inc.</b> Engineers, Planners & Surveyors 2045 S. Vineyard Ave., Ste. 101, Mesa, Arizona 85210 Phone (480) 503-2250 Fax (480) 503-2258	
	<b>CITY OF PEORIA</b> PUBLIC WORKS / UTILITIES DEPARTMENT 83RD AVENUE RECLAIMED WATERLINE	
DETAIL SHEET		
DESIGNED BY: JL	CITY OF PEORIA PROJECT NO. UT00305	
DRAWN BY: BM		
DRAWING NO. DT01		SHEET 5 OF 23

CONSTRUCTION NOTES

1	16" DIP Class 250 Reclaimed Waterline	409 LF
9	Waterline Fitting (Restrained Joints - No Thrust Block Required)	NPI
13	Remove Existing Curb Stop & Flange and Connect to Existing 16" Reclaimed Waterline with 45 Degree Bend Fitting	NPI
33	Remove Existing Tree	1 EA



# Community Park No. 2



CALL TWO WORKING DAYS BEFORE YOU DIG  
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(OUTSIDE MARICOPA COUNTY)

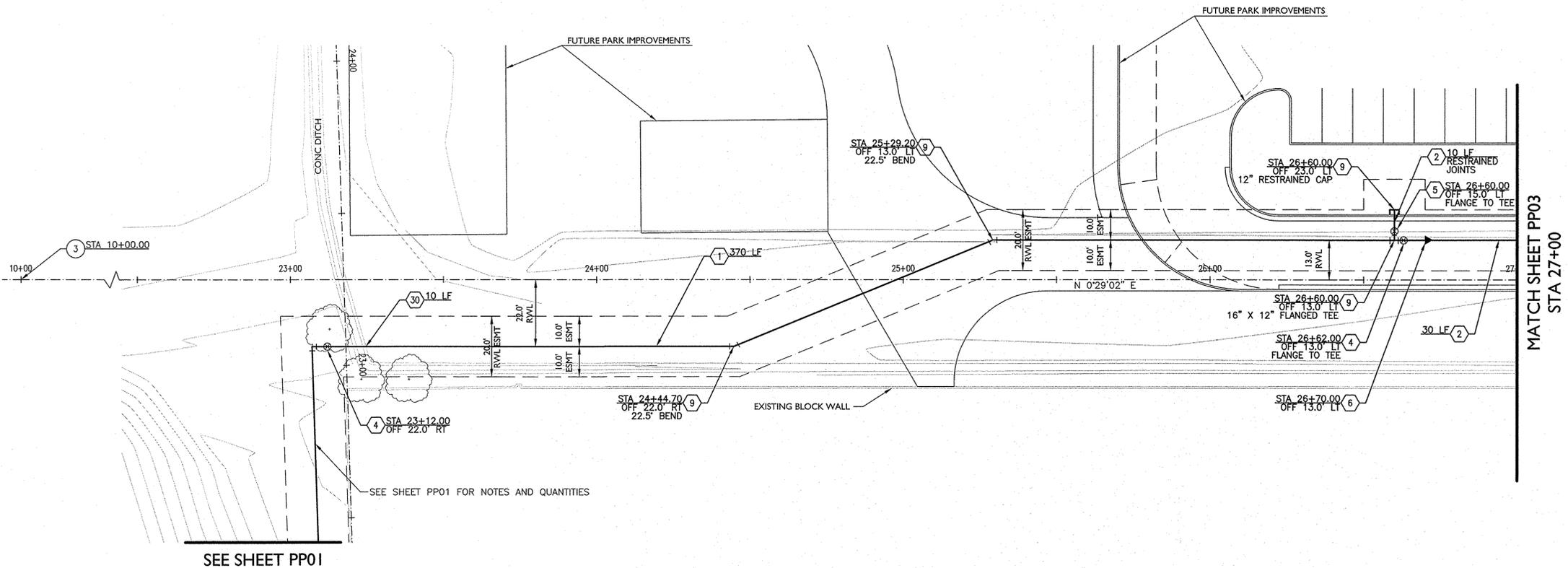
**eps group, Inc.**  
Engineers, Planners & Surveyors  
2045 S. Vineyard Ave., Ste. 101, Mesa, Arizona 85210  
Phone (480) 503-2250 Fax (480) 503-2258

Professional Engineer Seal  
49457  
JONATHAN D. LASSUY  
Date Signed: 11/28/11  
Expires 3/31/2012

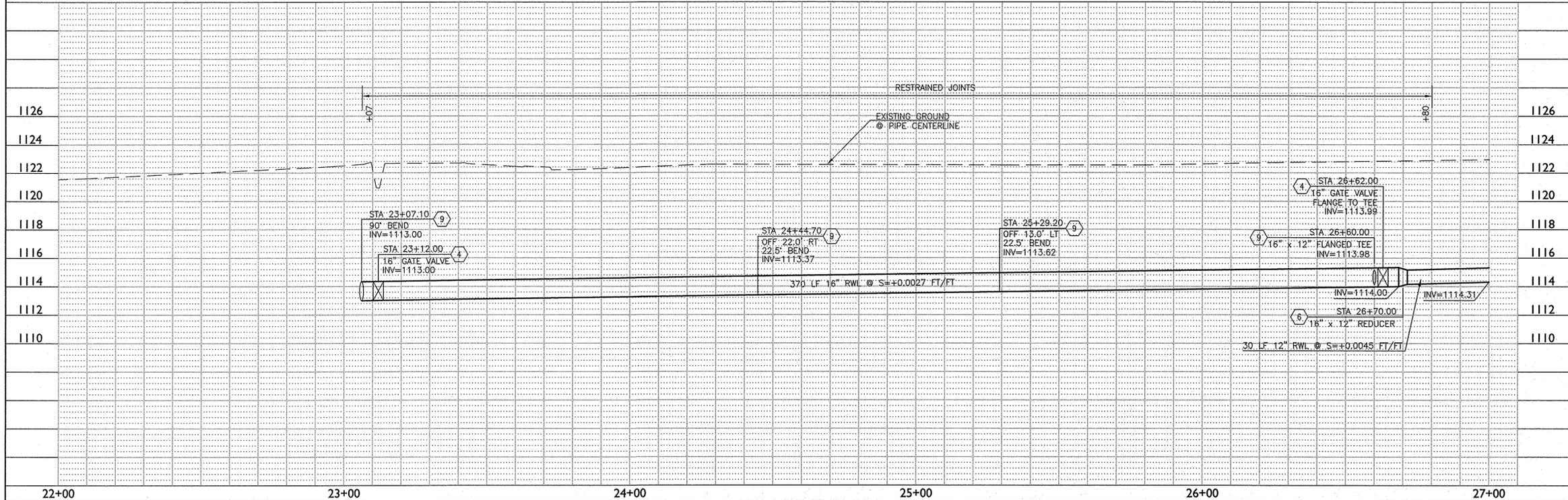
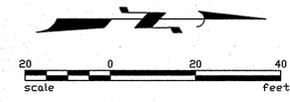
**CITY OF PEORIA**  
PUBLIC WORKS / UTILITIES DEPARTMENT  
83RD AVENUE  
RECLAIMED WATERLINE

PLAN AND PROFILE SHEET

DESIGNED BY	JL	CITY OF PEORIA PROJECT NO. UT00305
DRAWN BY	BM	
DRAWING NO.	PP01	SHEET 6 OF 23



# Community Park No. 2



CONSTRUCTION NOTES		
1	16" DIP Class 250 Reclaimed Waterline	370 LF
2	12" DIP Class 350 Reclaimed Waterline	40 LF
4	16" Gate Valve, Valve Box, and Cover per Detail #5 Sheet DT01	2 EA
5	12" Gate Valve, Valve Box, and Cover per Detail #5 Sheet DT01	1 EA
6	16" x 12" Reducer (Mechanical Joint)	1 EA
9	Waterline Fitting (Restrained Joints - No Thrust Block Required)	NPI
30	Remove and Replace Existing Concrete Lined Ditch	10 LF

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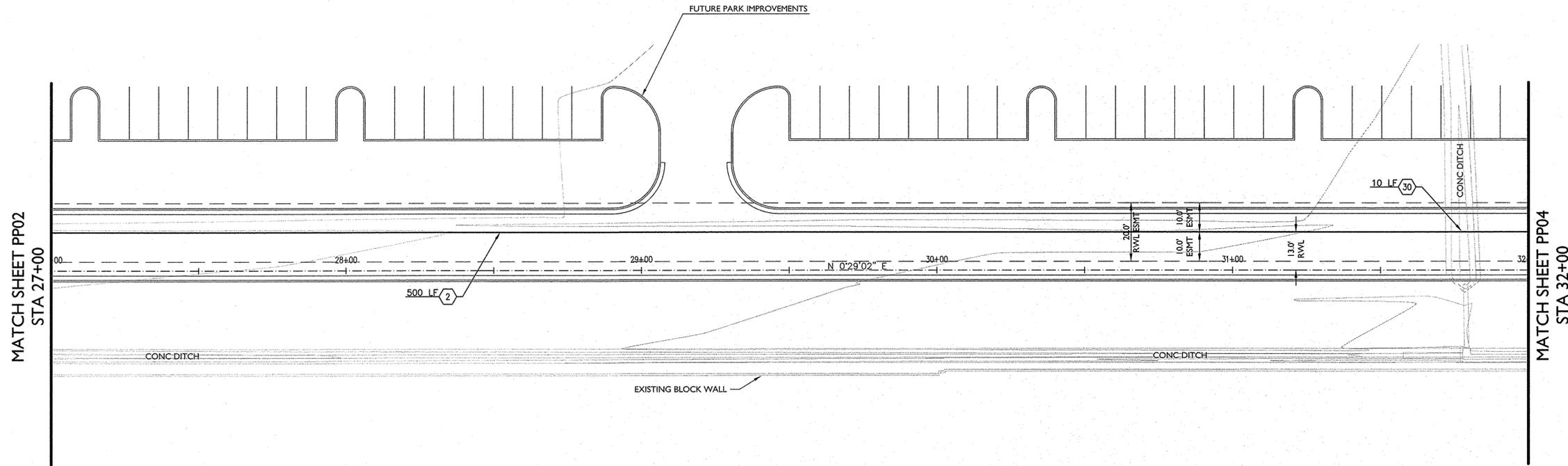
**CITY OF PEORIA**  
 PUBLIC WORKS / UTILITIES DEPARTMENT

83RD AVENUE  
 RECLAIMED WATERLINE

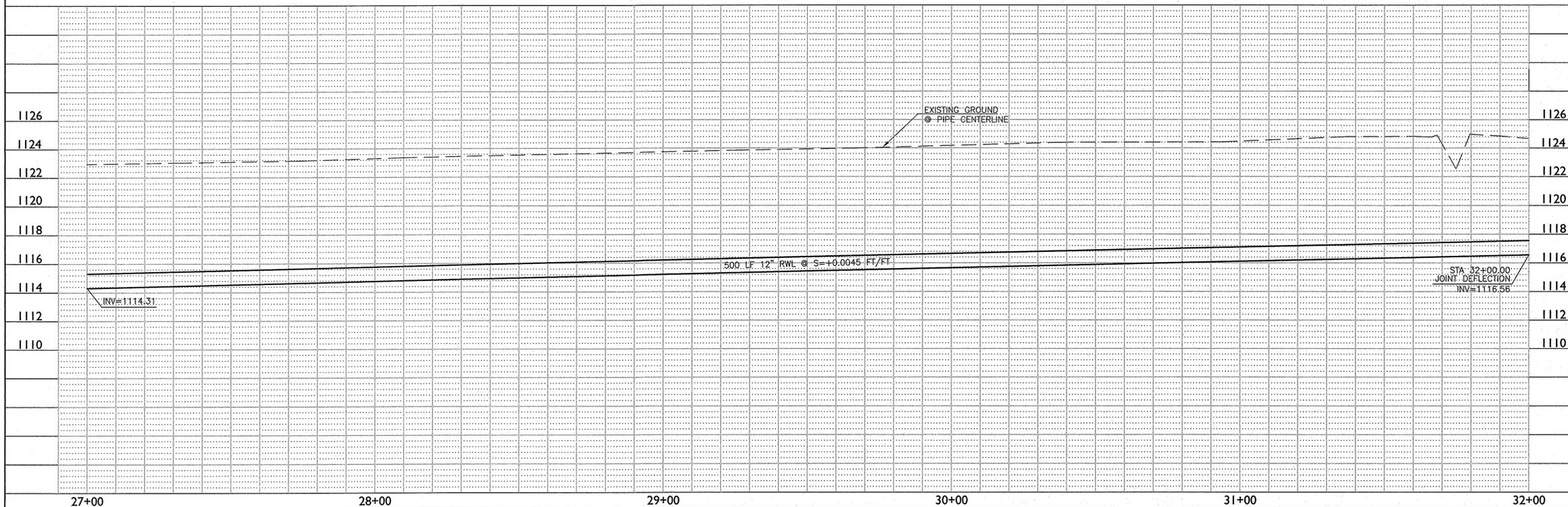
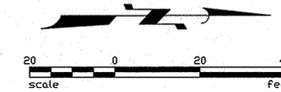
PLAN AND PROFILE SHEET		
DESIGNED BY	JL	CITY OF PEORIA PROJECT NO. UT00305
DRAWN BY	BM	
DRAWING NO.	PP02	SHEET 7 OF 23

CONSTRUCTION NOTES

2	12" DIP Class 350 Reclaimed Waterline	500 LF
30	Remove and Replace Existing Concrete Lined Ditch	10 LF

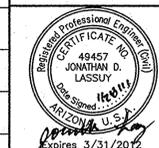


# Community Park No. 2



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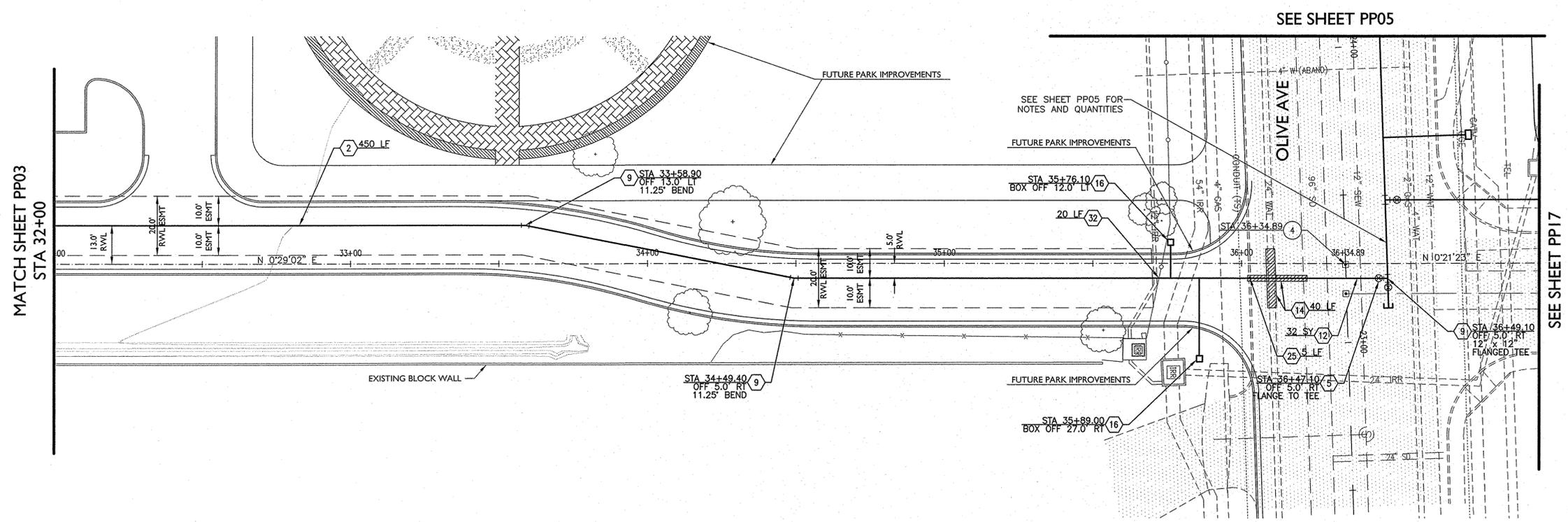
**CITY OF PEORIA**  
 PUBLIC WORKS / UTILITIES DEPARTMENT  
 83RD AVENUE  
 RECLAIMED WATERLINE

PLAN AND PROFILE SHEET

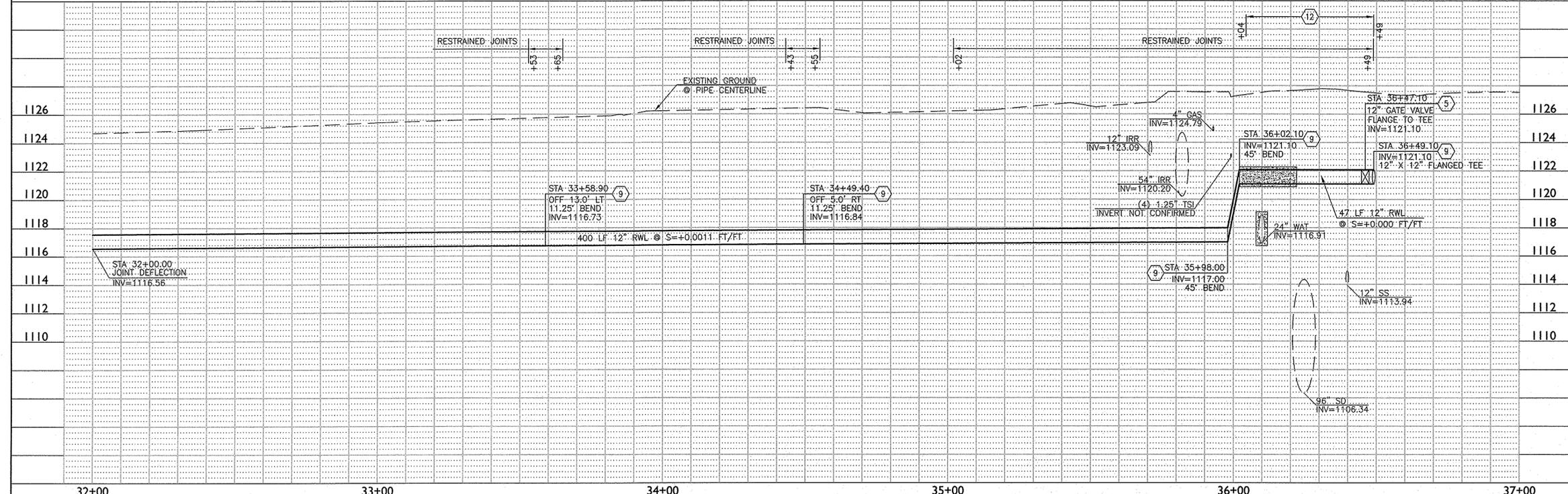
DESIGNED BY	JL	CITY OF PEORIA PROJECT NO. UT00305
DRAWN BY	BM	
DRAWING NO.	PP03	SHEET 8 OF 23

CONSTRUCTION NOTES

2	12" DIP Class 350 Reclaimed Waterline	450 LF
5	12" Gate Valve, Valve Box, and Cover per Detail #5 Sheet DT01	1 EA
9	Waterline Fitting (Restrained Joints - No Thrust Block Required)	NPI
12	Sawcut, Remove, & Replace Existing Pavement per Detail #3	32 SY
Sheet DT01		
14	Concrete Encasement per MAG Detail 404	40 LF
16	2" Reclaimed Water Service Line and Meter Box per Detail #6	2 EA
Sheet DT01		
25	Remove and Replace Existing Curb and Gutter per MAG Detail 220-1	5 LF
32	Remove and Reset Existing Chain Link Fence	20 LF



# Community Park No. 2



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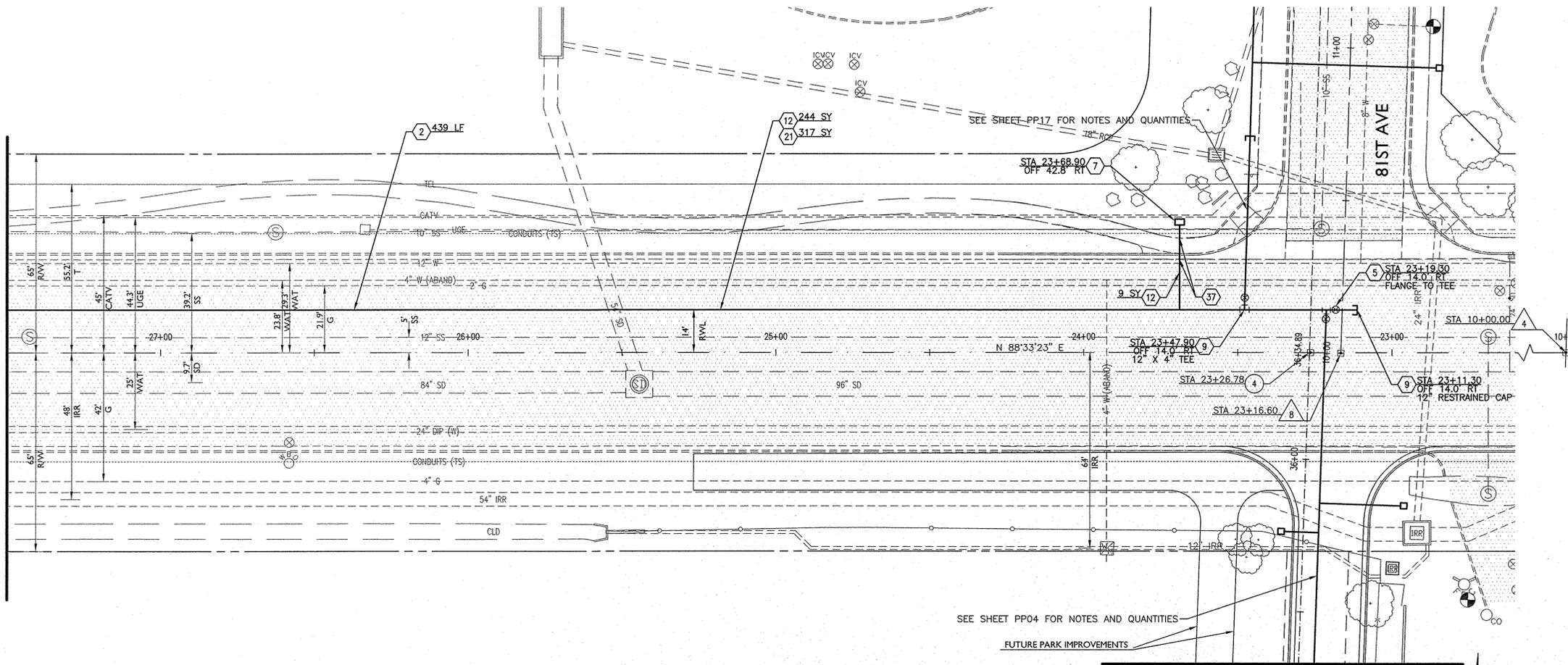
**CITY OF PEORIA**  
 PUBLIC WORKS / UTILITIES DEPARTMENT

83RD AVENUE  
 RECLAIMED WATERLINE

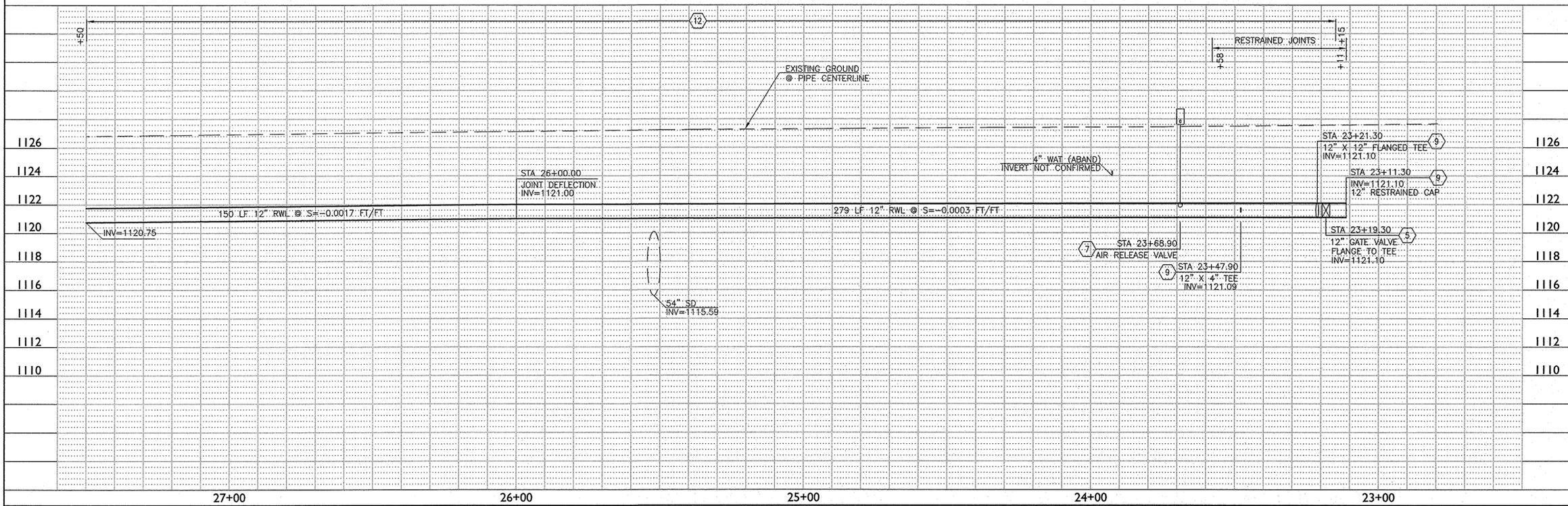
PLAN AND PROFILE SHEET

DESIGNED BY	JL	CITY OF PEORIA PROJECT NO. UT00305
DRAWN BY	BM	
DRAWING NO.	PP04	SHEET 9 OF 23

MATCH SHEET PP06  
STA 27+50



# Olive Avenue

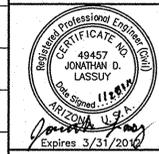


### CONSTRUCTION NOTES

2	12" DIP Class 350 Reclaimed Waterline	439 LF
5	12" Gate Valve, Valve Box, and Cover per Detail #5 Sheet DT01	1 EA
7	2" Air Vacuum Valve per COP Detail PE-395	1 EA
9	Waterline Fitting (Restrained Joints - No Thrust Block Required)	NPI
12	Sawcut, Remove, & Replace Existing Pavement per Detail #3	253 SY
Sheet DT01		
21	2.0" Mill and Replace Existing Pavement per Detail #4	317 SY
Sheet DT01		
37	Tunnel Under Existing Curb, Gutter, and Sidewalk	NPI

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**CITY OF PEORIA**  
PUBLIC WORKS / UTILITIES DEPARTMENT

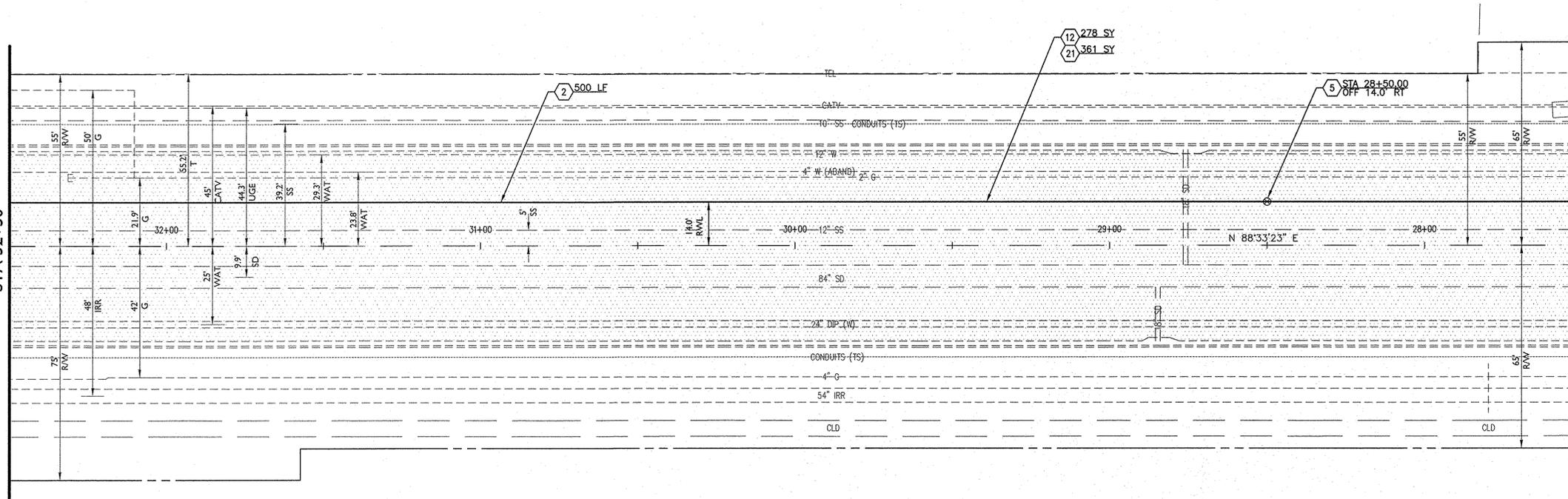
83RD AVENUE  
RECLAIMED WATERLINE

### PLAN AND PROFILE SHEET

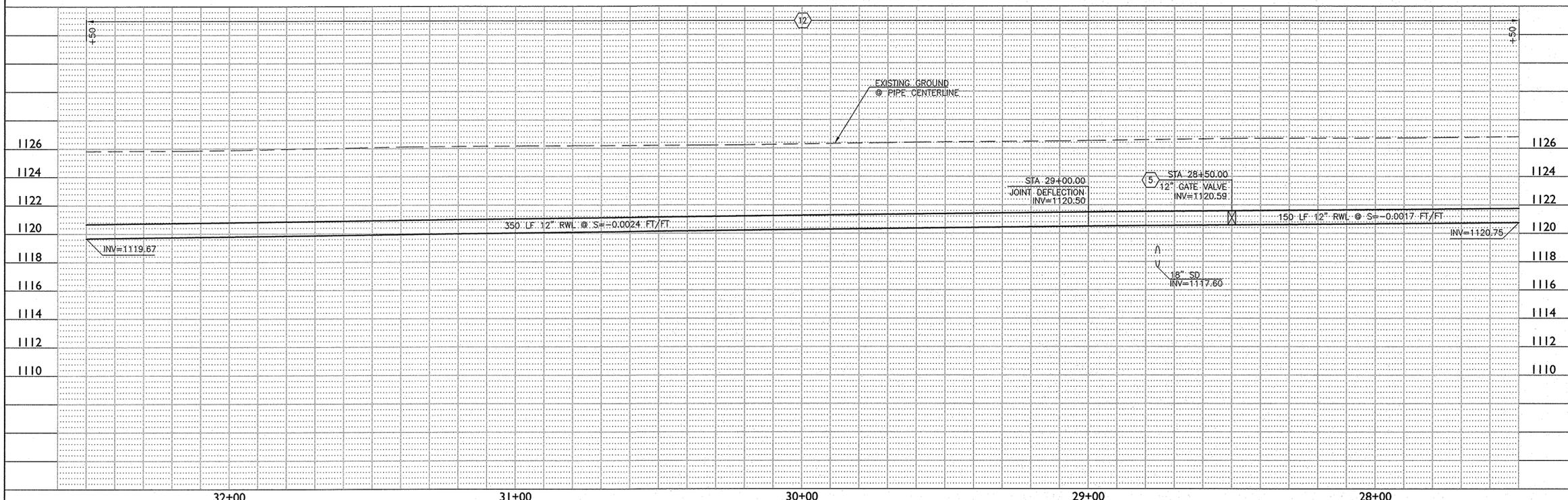
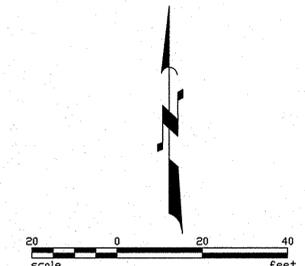
DESIGNED BY	JL	CITY OF PEORIA PROJECT NO. UT00305
DRAWN BY	BM	
DRAWING NO.	PP05	SHEET 10 OF 23

MATCH SHEET PP07  
STA 32+50

MATCH SHEET PP05  
STA 27+50



# Olive Avenue

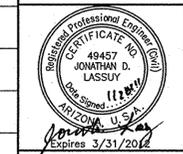


CONSTRUCTION NOTES

2	12" DIP Class 350 Reclaimed Waterline	500 LF
5	12" Gate Valve, Valve Box, and Cover per Detail #5 Sheet DT01	1 EA
12	Sawcut, Remove, & Replace Existing Pavement per Detail #3	278 SY
Sheet DT01		
21	2.0" Mill and Replace Existing Pavement per Detail #4	361 SY
Sheet DT01		

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(OUTSIDE MARICOPA COUNTY)

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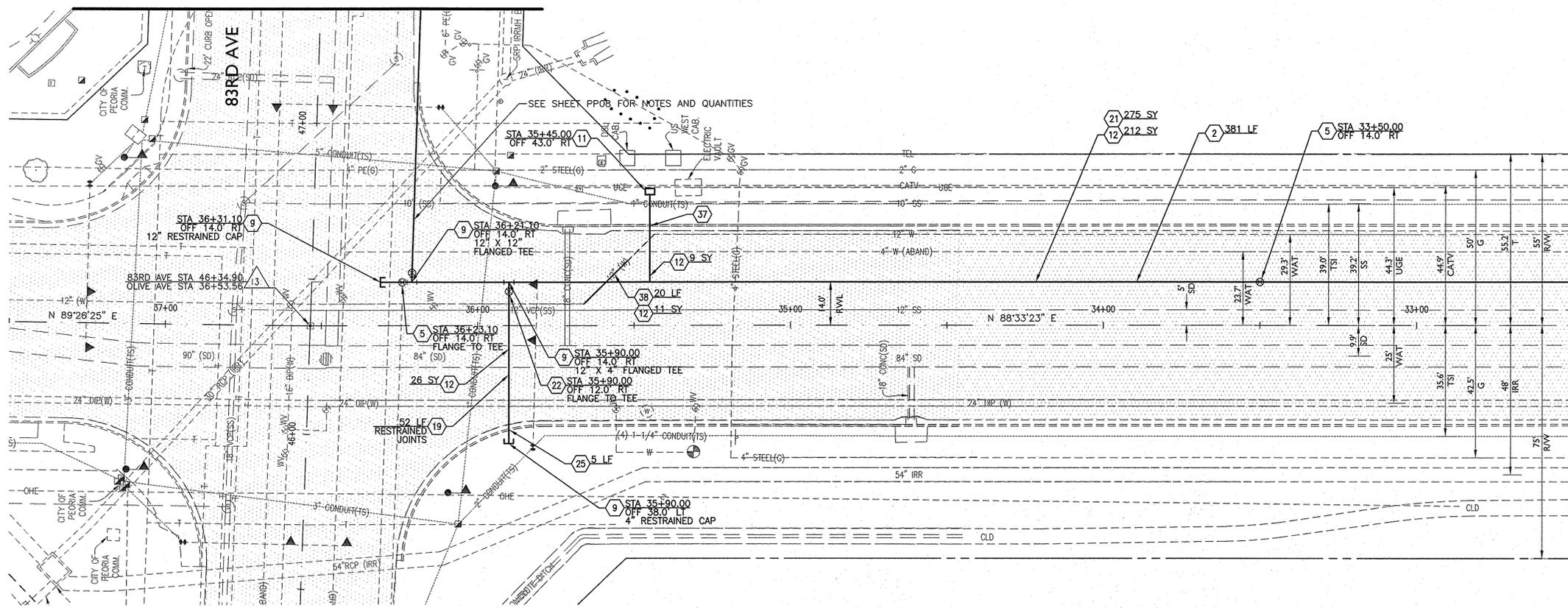
**CITY OF PEORIA**  
PUBLIC WORKS / UTILITIES DEPARTMENT

83RD AVENUE  
RECLAIMED WATERLINE

PLAN AND PROFILE SHEET

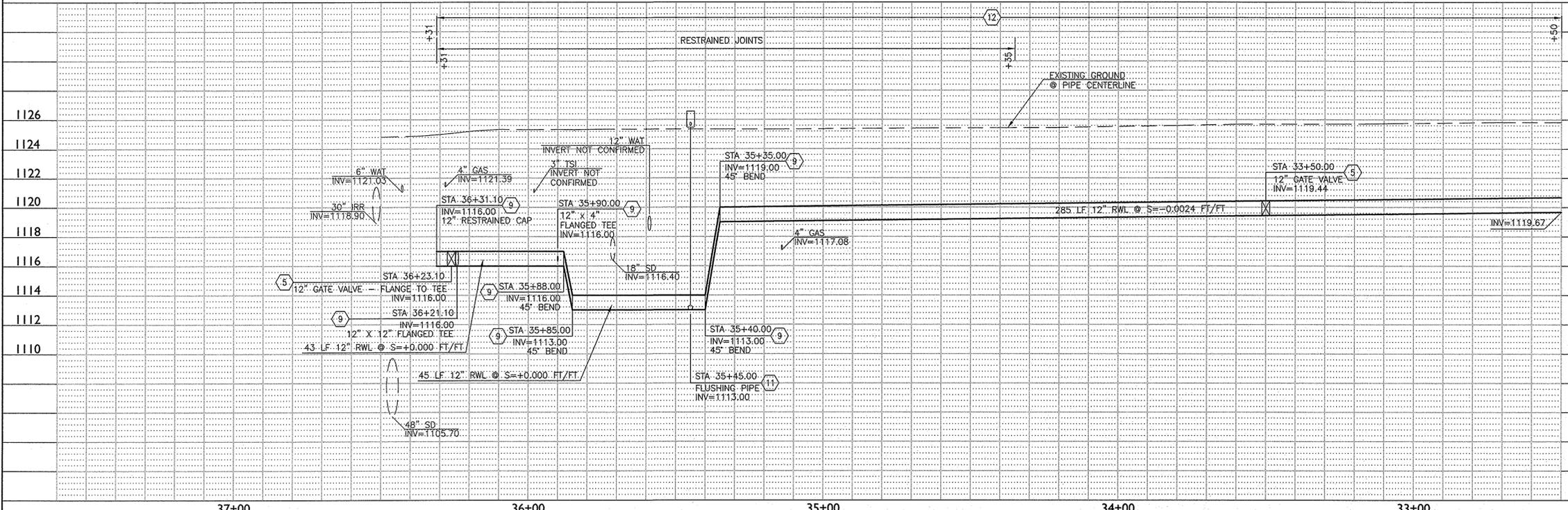
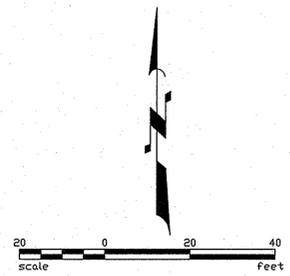
DESIGNED BY	JL	CITY OF PEORIA PROJECT NO. UT00305
DRAWN BY	BM	
DRAWING NO.	PP06	SHEET 11 OF 23

SEE SHEET PP08



MATCH SHEET PP06  
STA 32+50

# Olive Avenue



CONSTRUCTION NOTES

2	12" DIP Class 350 Reclaimed Waterline	381 LF
5	12" Gate Valve, Valve Box, and Cover per Detail #5 Sheet DT01	2 EA
9	Waterline Fitting (Restrained Joints - No Thrust Block Required)	NPI
11	Curb Stop with Flushing Pipe per Detail #7 Sheet DT01	1 EA
12	Sawcut, Remove, & Replace Existing Pavement per Detail #3	258 SY
Sheet DT01		
19	4" DIP Class 350 Reclaimed Waterline	52 LF
21	2.0" Mill and Replace Existing Pavement per Detail #4	275 SY
Sheet DT01		
22	4" Gate Valve, Valve Box, and Cover per Detail #5 Sheet DT01	1 EA
25	Remove and Replace Existing Curb and Gutter per MAG Detail 220-1	5 LF
37	Tunnel Under Existing Curb, Gutter, and Sidewalk	NPI
38	Remove Existing 12" ACP Waterline and Replace with 12" DIP Class 350 Waterline (Restrained All Joints)	20 LF

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1-800-STAKE-IT  
(OUTSIDE MARICOPA COUNTY)

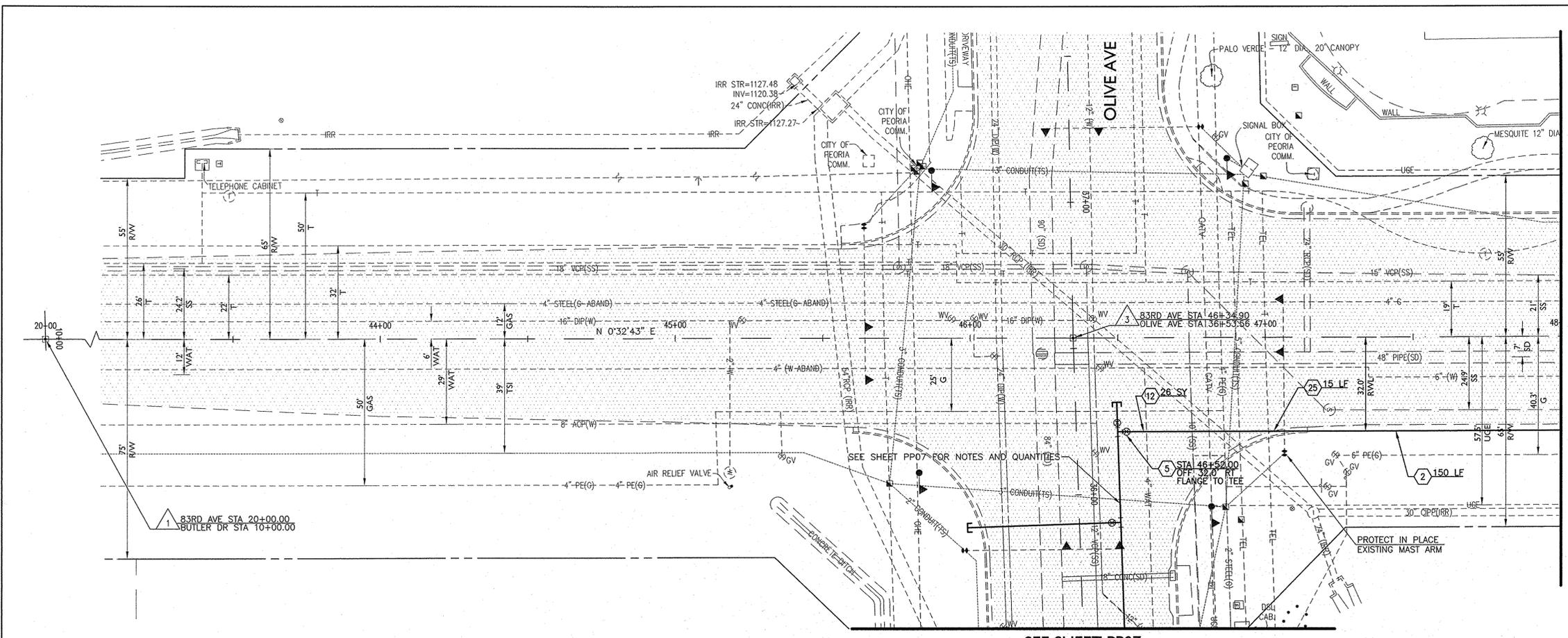


CITY OF PEORIA  
PUBLIC WORKS / UTILITIES DEPARTMENT

83RD AVENUE  
RECLAIMED WATERLINE

PLAN AND PROFILE SHEET

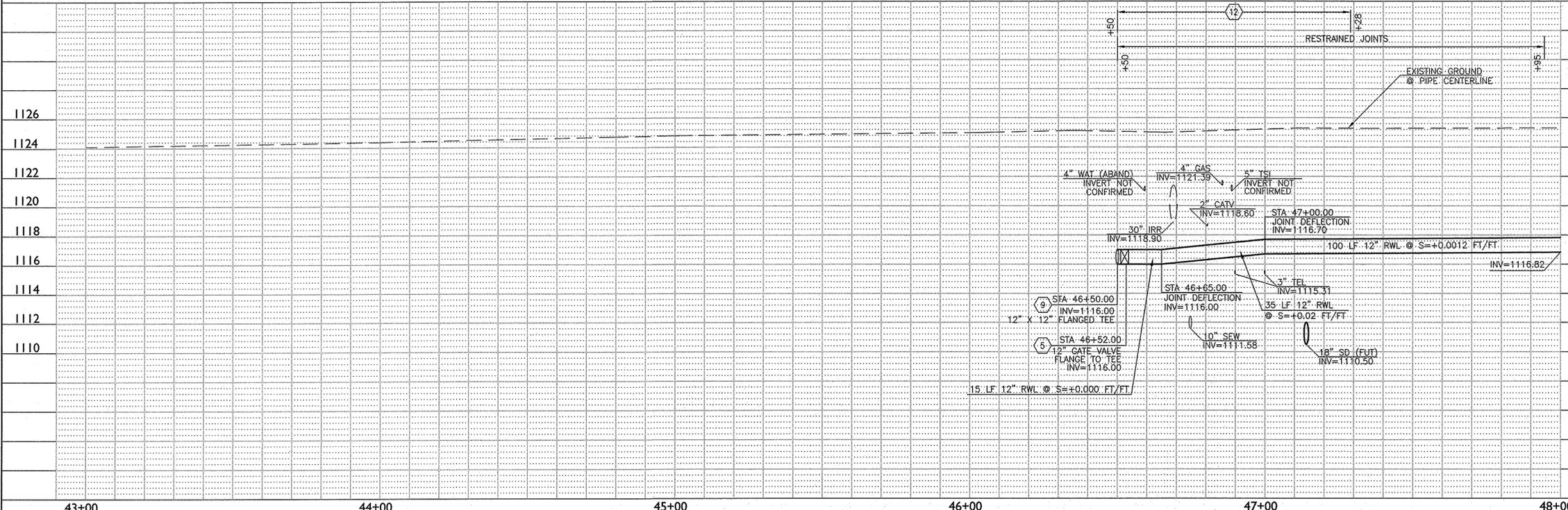
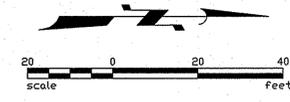
DESIGNED BY	JL	CITY OF PEORIA PROJECT NO. UT00305
DRAWN BY	BM	
DRAWING NO.	PP07	SHEET 12 OF 23



MATCH SHEET PP09  
STA 48+00

# 83rd Avenue

SEE SHEET PP07



CONSTRUCTION NOTES		
2	12" DIP Class 350 Reclaimed Waterline	150 LF
5	12" Gate Valve, Valve Box, and Cover per Detail #5 Sheet DT01	1 EA
12	Sawcut, Remove, & Replace Existing Pavement per Detail #3	26 SY
Sheet DT01		
25	Remove and Replace Existing Curb and Gutter	15 LF
per MAG Detail 220-1		

CALL TWO WORKING DAYS BEFORE YOU DIG  
263-1100  
1-800-STAKE-IT  
(OUTSIDE MARICOPA COUNTY)

**Geps group, Inc.**  
Engineers, Planners & Surveyors  
2045 S. Vineyard Ave., Ste. 101, Mesa, Arizona 85210  
Phone (480) 503-2250 Fax (480) 503-2258

Professional Engineer  
CERTIFICATE NO. 11784  
49457  
JONATHAN D. LASSUY  
Date Signed: 1/18/11  
Expires: 3/31/2011

**CITY OF PEORIA**  
PUBLIC WORKS / UTILITIES DEPARTMENT

83RD AVENUE  
RECLAIMED WATERLINE

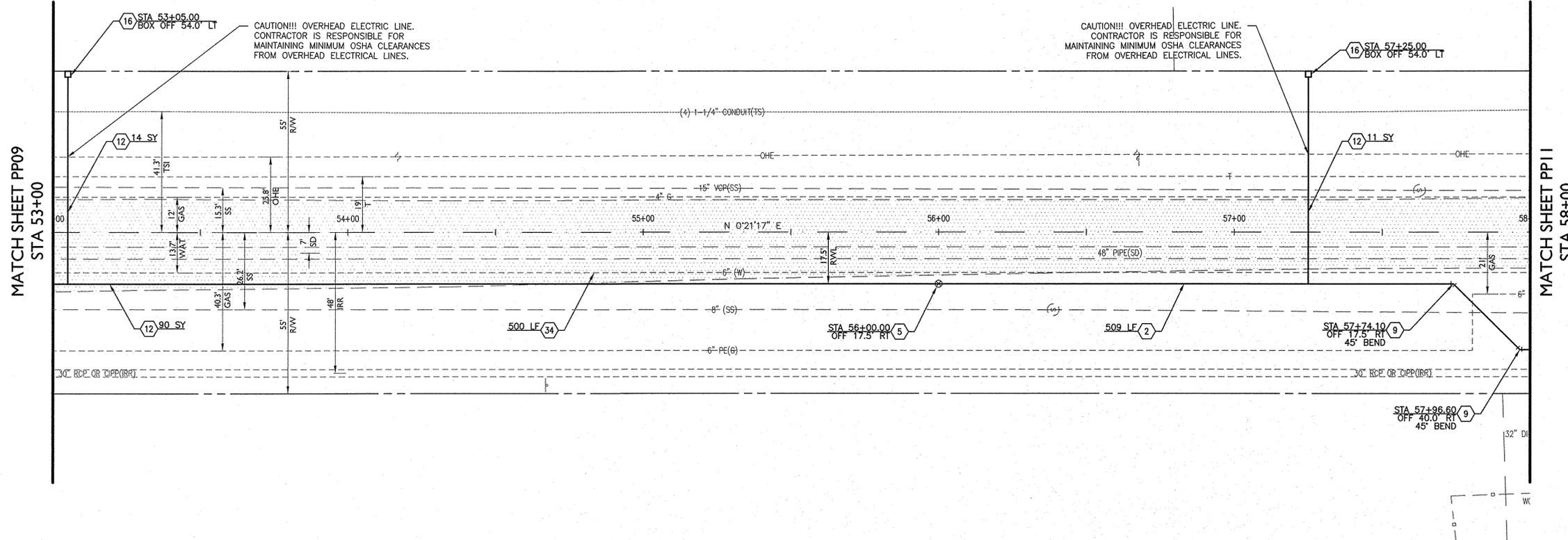
PLAN AND PROFILE SHEET

DESIGNED BY	JL	CITY OF PEORIA PROJECT NO. UT00305
DRAWN BY	BM	
DRAWING NO.	PP08	SHEET 13 OF 23

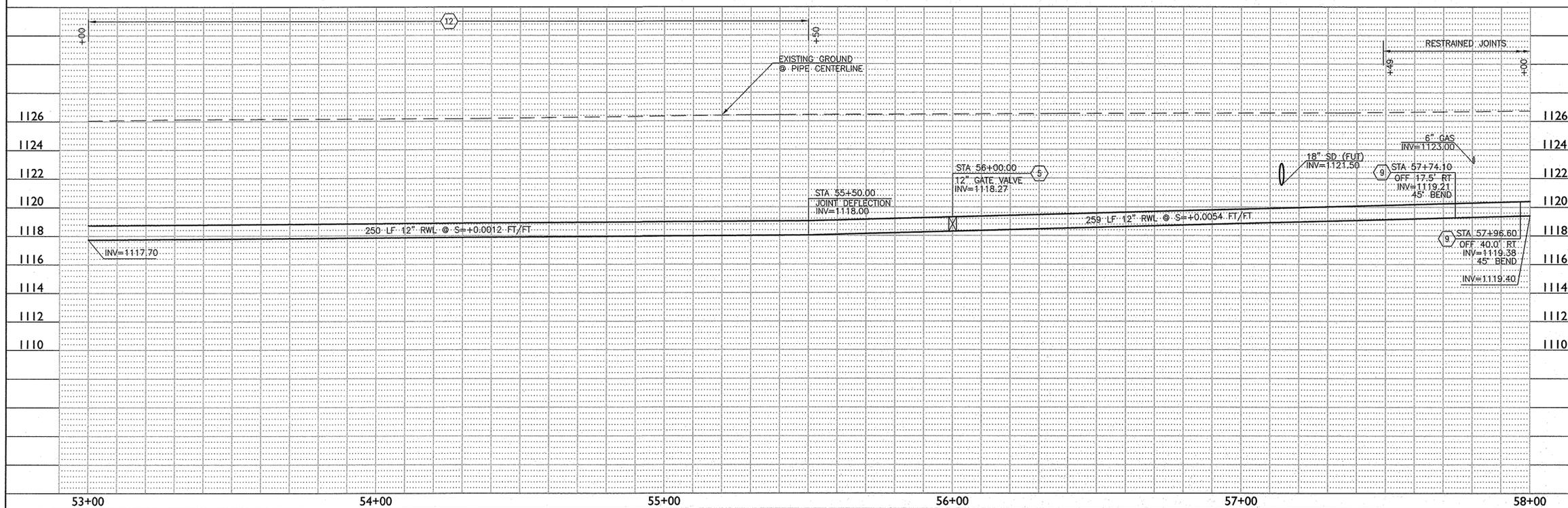
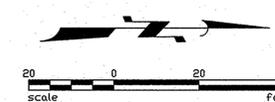


CONSTRUCTION NOTES

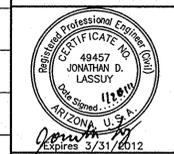
2	12" DIP Class 350 Reclaimed Waterline	509 LF
5	12" Gate Valve, Valve Box, and Cover per Detail #5 Sheet DT01	1 EA
9	Waterline Fitting (Restrained Joints - No Thrust Block Required)	NPI
12	Sawcut, Remove, & Replace Existing Pavement per Detail #3	115 SY
Sheet DT01		
16	2" Reclaimed Water Service Line and Meter Box per Detail #6	2 EA
Sheet DT01		
34	Abandon In Place Existing Waterline and fill with grout using 1-Sack Slurry Mix. See Special Conditions.	500 LF



# 83rd Avenue



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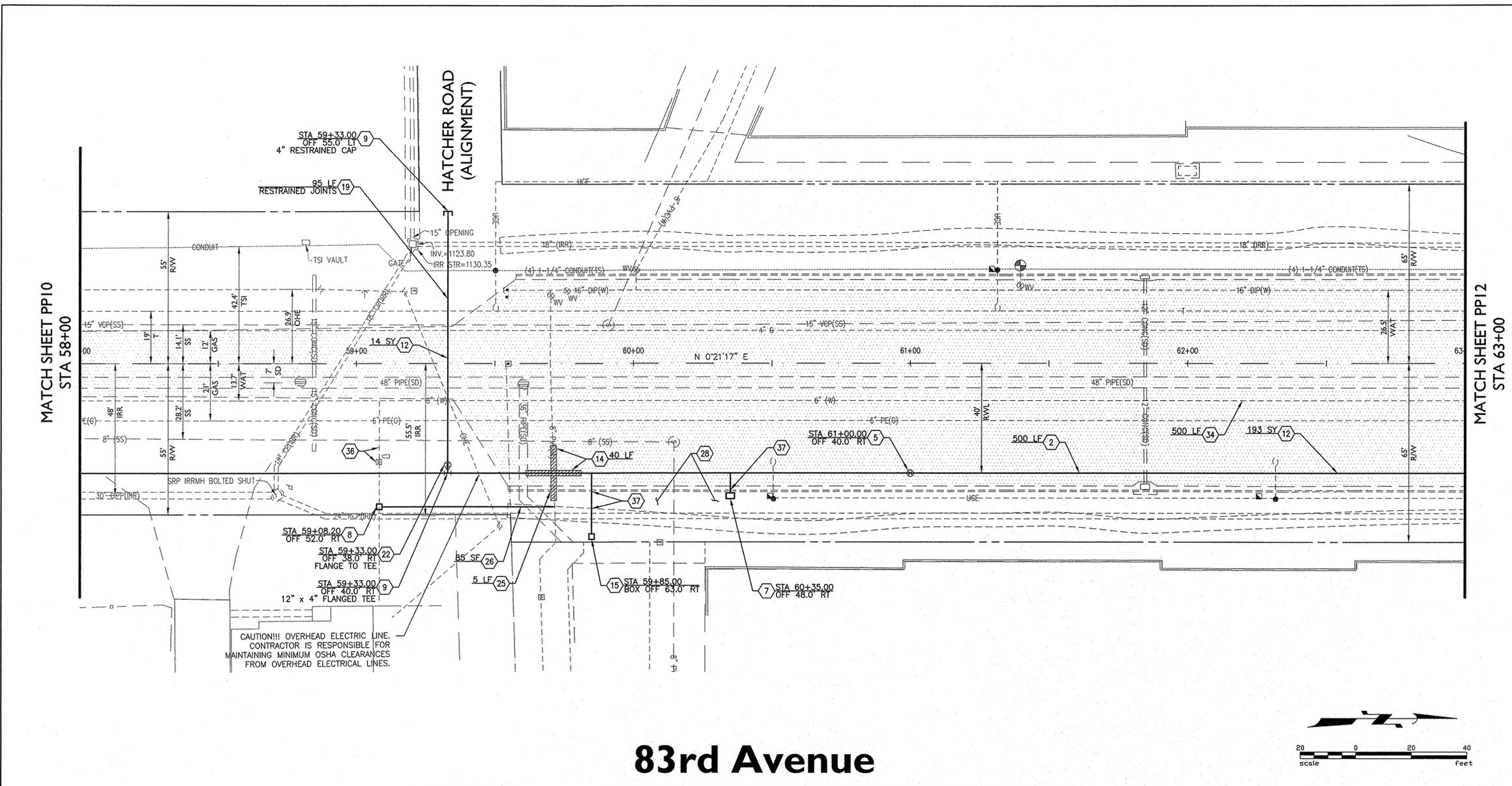


CITY OF PEORIA  
 PUBLIC WORKS / UTILITIES DEPARTMENT

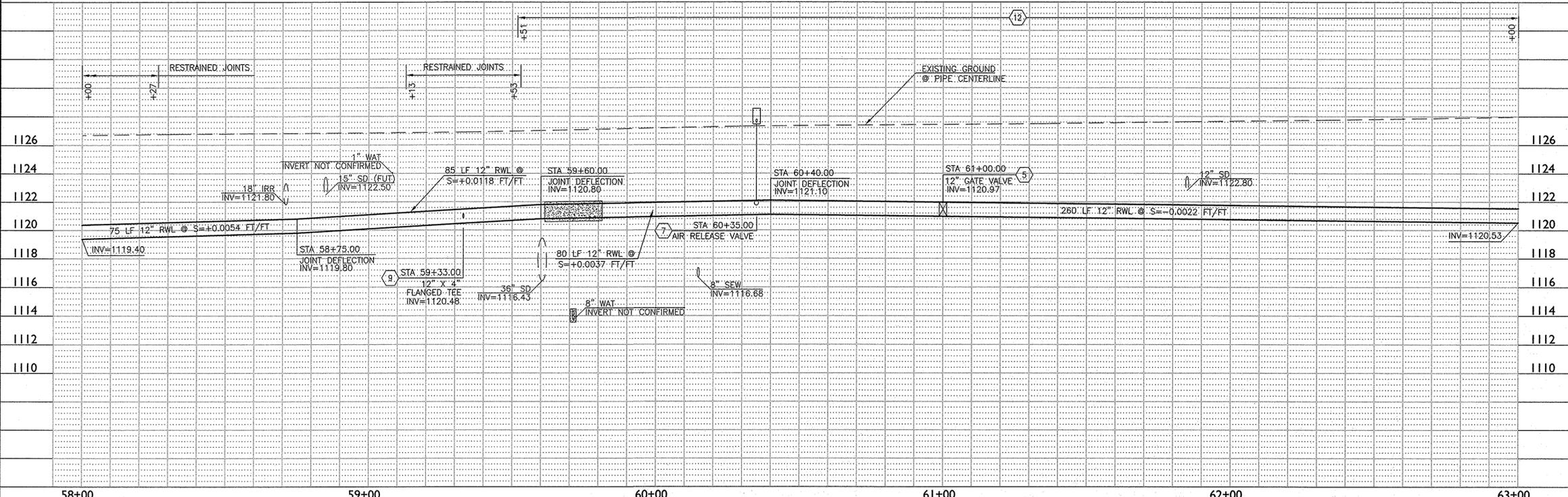
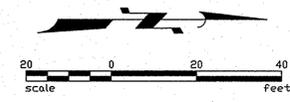
83RD AVENUE  
 RECLAIMED WATERLINE

PLAN AND PROFILE SHEET

DESIGNED BY	JL	CITY OF PEORIA PROJECT NO. UT00305
DRAWN BY	BM	
DRAWING NO.	PP10	SHEET 15 OF 23



CONSTRUCTION NOTES		
2	12" DIP Class 350 Reclaimed Waterline	500 LF
5	12" Gate Valve, Valve Box, and Cover per Detail #5 Sheet DT01	1 EA
7	2" Air Vacuum Valve per COP Detail PE-395	1 EA
8	1" Water Service Line per City of Peoria Detail PE-363	1 EA
9	Waterline Fitting (Restrained Joints - No Thrust Block Required)	NPI
12	Sawcut, Remove, & Replace Existing Pavement per Detail #3	207 SY
Sheet DT01		
14	Concrete Encasement per MAG Detail 404	40 LF
15	1" Reclaimed Water Service Line and Meter Box per Detail #6	1 EA
Sheet DT01		
19	4" DIP Class 350 Reclaimed Waterline	95 LF
22	4" Gate Valve, Valve Box, and Cover per Detail #5 Sheet DT01	1 EA
25	Remove and Replace Existing Curb and Gutter	5 LF
per MAG Detail 220-1		
26	Remove and Replace Existing Sidewalk per MAG Detail 230	85 SF
28	Remove and Reset Existing Landscaping In Kind	NPI
34	Abandon In Place Existing Waterline and fill with grout using 1-Sack Slurry Mix. See Special Conditions.	500 LF
36	Remove Existing Water Meter and Service Line	1 EA
37	Tunnel Under Existing Curb, Gutter, and Sidewalk	NPI



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Engineers, Planners & Surveyors  
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**CITY OF PEORIA**  
PUBLIC WORKS / UTILITIES DEPARTMENT

83RD AVENUE  
RECLAIMED WATERLINE

PLAN AND PROFILE SHEET

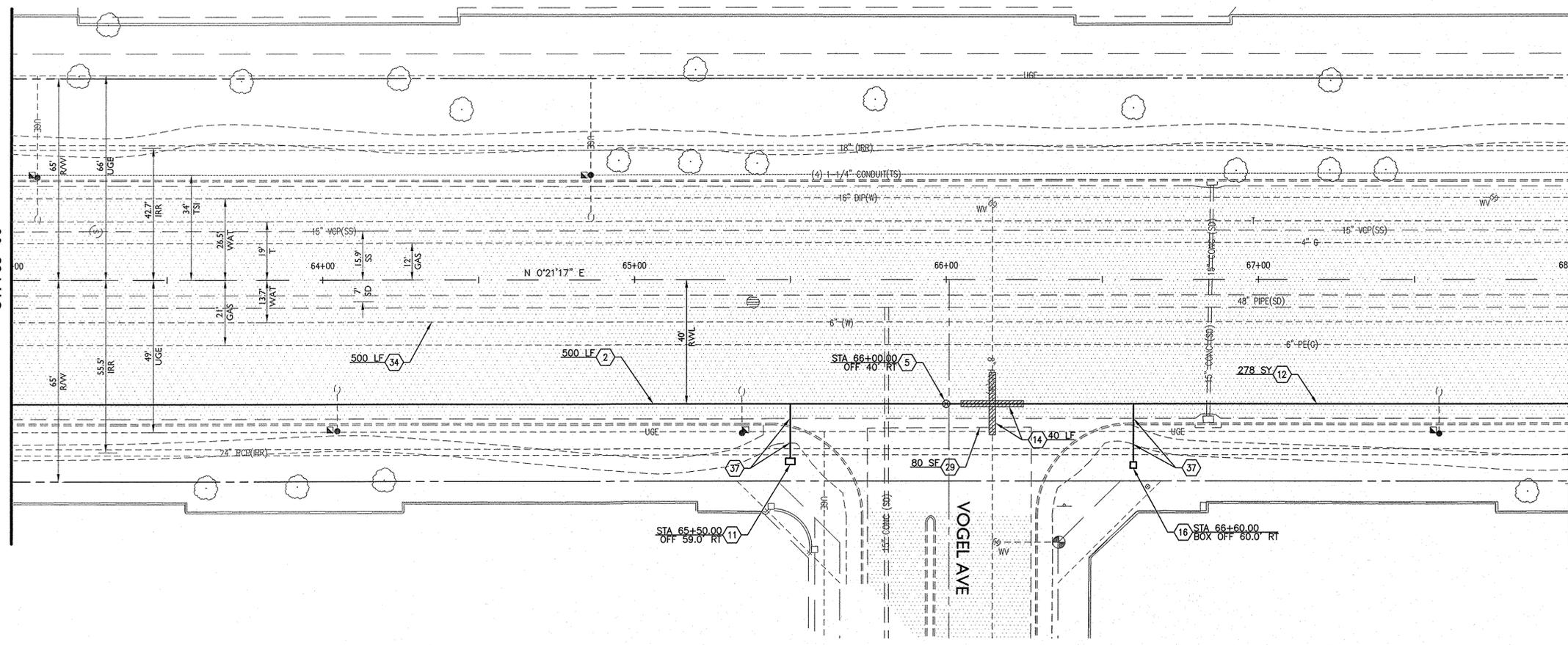
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DRAWN BY: BM	
DRAWING NO. PP11	SHEET 16 OF 23

CONSTRUCTION NOTES

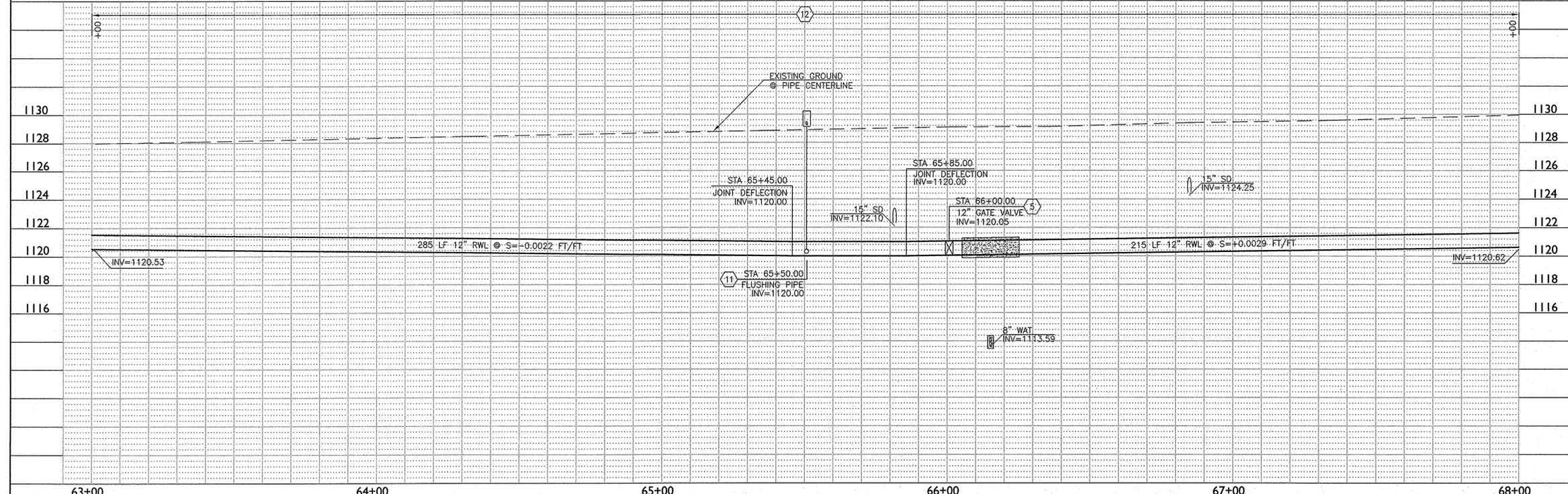
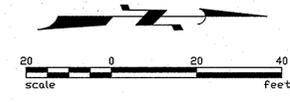
2	12" DIP Class 350 Reclaimed Waterline	500 LF
5	12" Gate Valve, Valve Box, and Cover per Detail #5 Sheet DT01	1 EA
11	Curb Stop with Flushing Pipe per Detail #7 Sheet DT01	1 EA
12	Sawcut, Remove, & Replace Existing Pavement per Detail #3	278 SY
Sheet DT01		
14	Concrete Encasement per MAG Detail 404	40 LF
16	2" Reclaimed Water Service Line and Meter Box per Detail #6	1 EA
Sheet DT01		
29	Remove and Replace Existing Valley Gutter per MAG Detail 240	80 SF
34	Abandon In Place Existing Waterline and fill with grout using 1-Sack Slurry Mix. See Special Conditions.	500 LF
37	Tunnel Under Existing Curb, Gutter, and Sidewalk	NPI

MATCH SHEET PPI I  
STA 63+00

MATCH SHEET PPI 3  
STA 68+00



# 83rd Avenue



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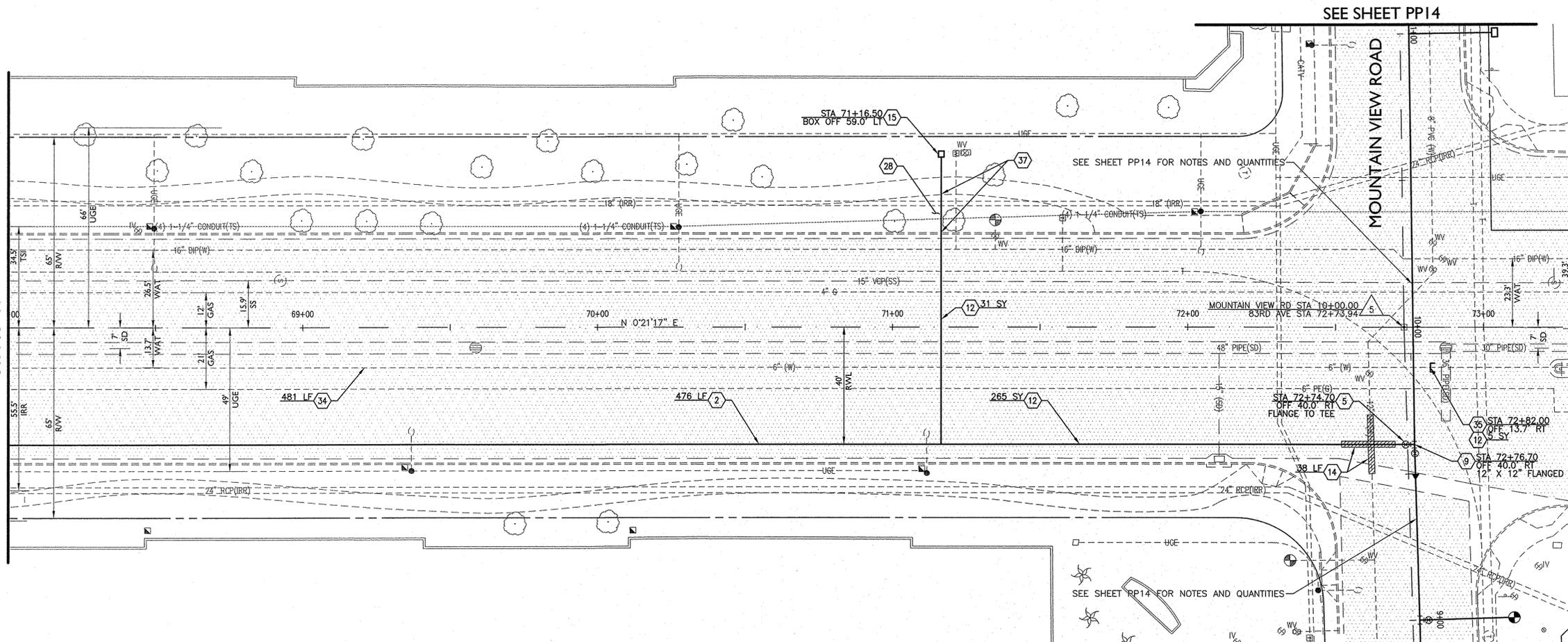
**CITY OF PEORIA**  
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83RD AVENUE  
RECLAIMED WATERLINE

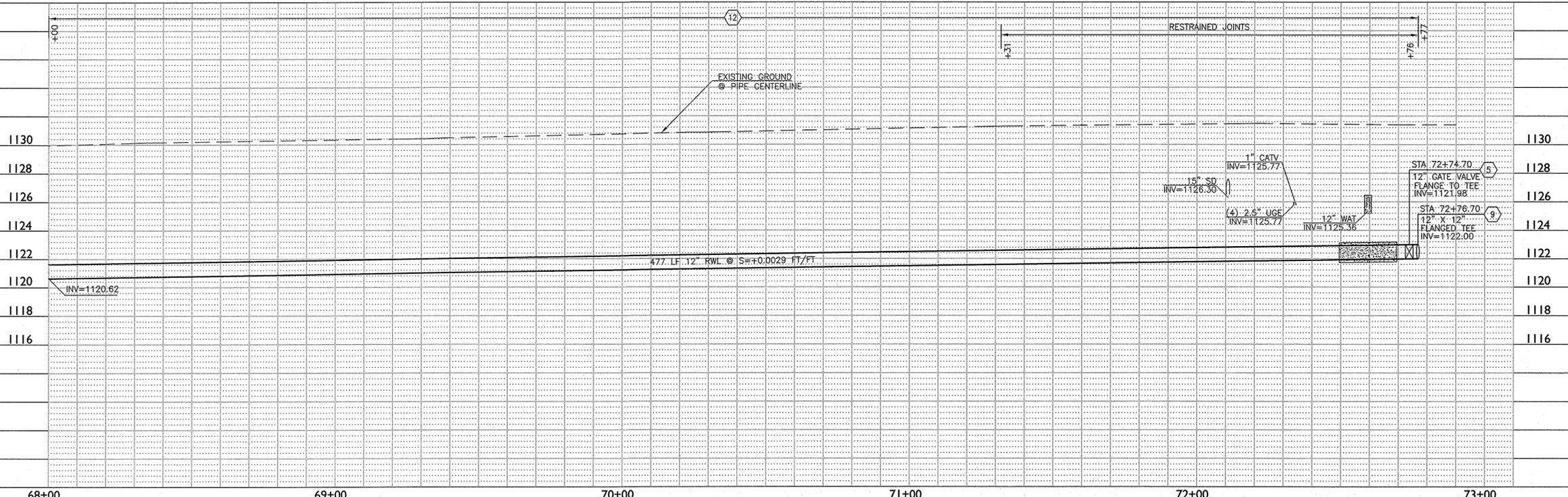
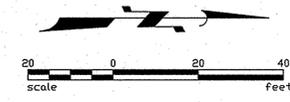
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DRAWING NO.	PP12	SHEET 17 OF 23

MATCH SHEET PP12  
STA 68+00



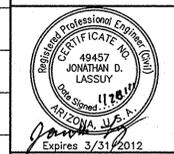
# 83rd Avenue



CONSTRUCTION NOTES

2	12" DIP Class 350 Reclaimed Waterline	476 LF
5	12" Gate Valve, Valve Box, and Cover per Detail #5 Sheet DT01	1 EA
9	Waterline Fitting (Restrain Joints - No Thrust Block Required)	NPI
12	Sawcut, Remove, & Replace Existing Pavement per Detail #3	301 SY
Sheet DT01		
14	Concrete Encasement per MAG Detail 404	38 LF
15	1" Reclaimed Water Service Line and Meter Box per Detail #6	1 EA
Sheet DT01		
28	Remove and Reset Existing Landscaping In Kind	NPI
34	Abandon In Place Existing Waterline and fill with grout using 1-Sack Slurry Mix. See Special Conditions.	481 LF
35	Cap Existing Waterline per City of Phoenix Detail P1343	NPI
37	Tunnel Under Existing Curb, Gutter, and Sidewalk	NPI

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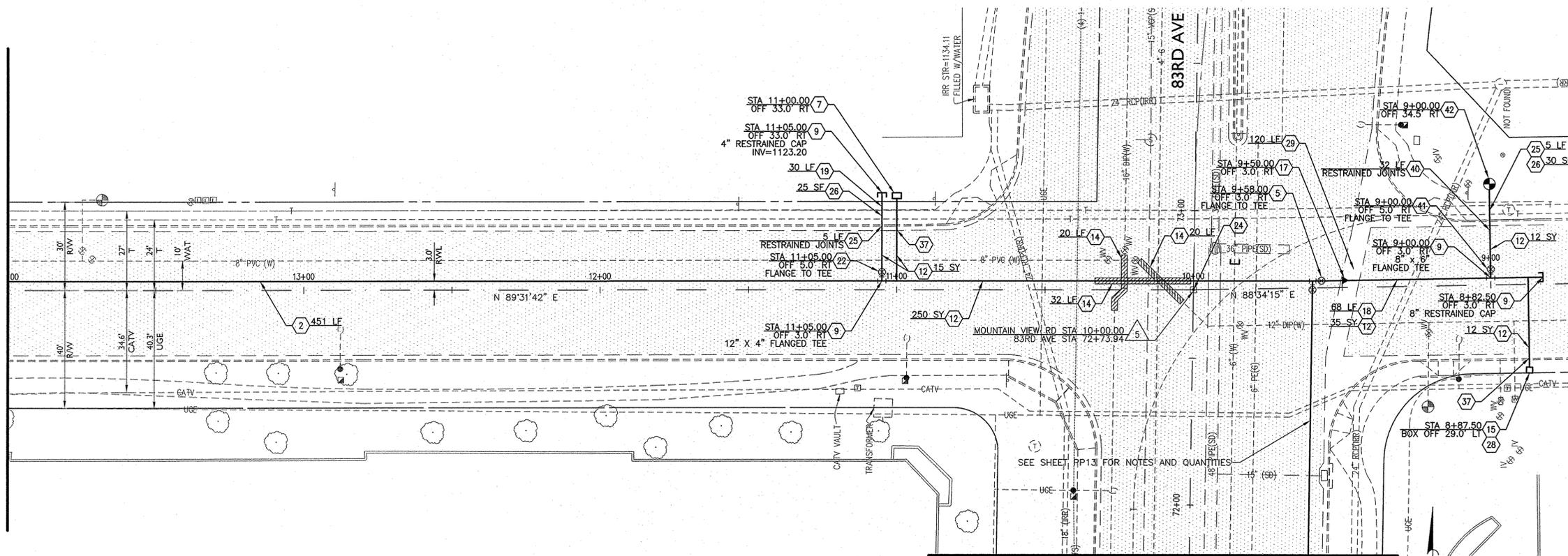
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83RD AVENUE  
RECLAIMED WATERLINE

PLAN AND PROFILE SHEET

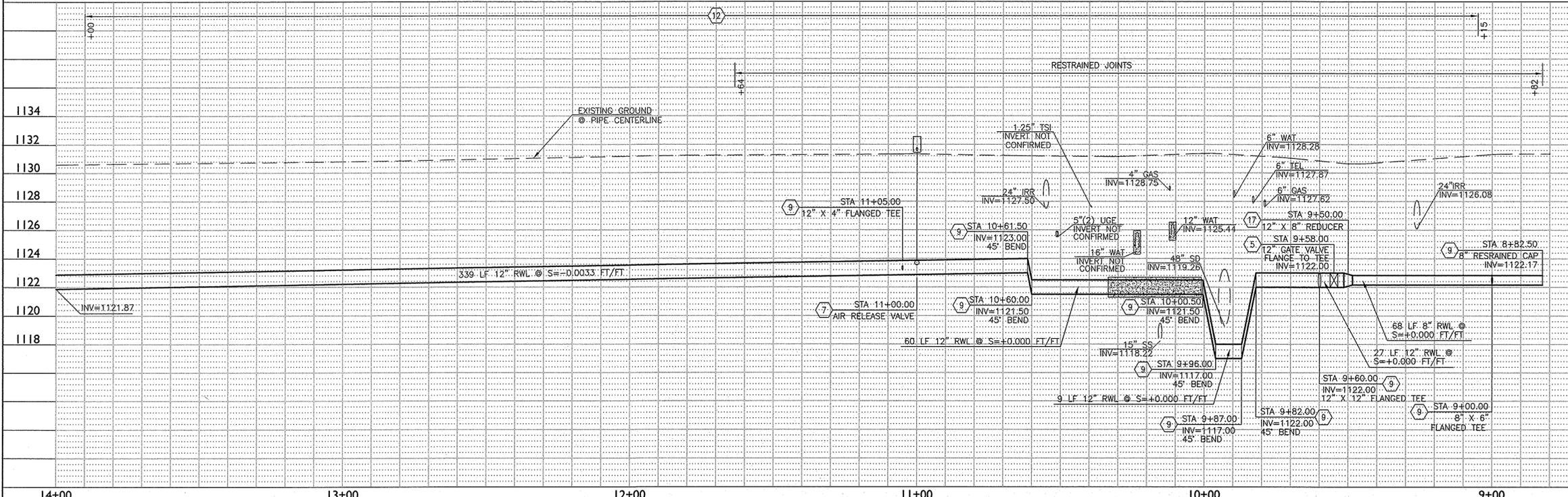
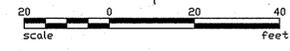
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DRAWING NO.	PP13	SHEET 18 OF 23

MATCH SHEET PP15  
STA 14+00



SEE SHEET PP13

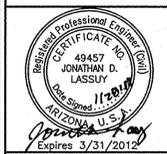
# Mountain View Road



### CONSTRUCTION NOTES

2	12" DIP Class 350 Reclaimed Waterline	451 LF
5	12" Gate Valve, Valve Box, and Cover per Detail #5 Sheet DT01	1 EA
7	2" Air Vacuum Valve per COP Detail PE-395	1 EA
9	Waterline Fitting (Restrained Joints - No Thrust Block Required)	NPI
12	Sawcut, Remove, & Replace Existing Pavement per Detail #3	324 SY
Sheet DT01		
14	Concrete Encasement per MAG Detail 404	72 LF
15	1" Reclaimed Water Service Line and Meter Box per Detail #6	1 EA
Sheet DT01		
17	12" x 8" Reducer (Mechanical Joint)	1 EA
18	8" DIP Class 350 Reclaimed Waterline	68 LF
19	4" DIP Class 350 Reclaimed Waterline	30 LF
22	4" Gate Valve, Valve Box, and Cover per Detail #5 Sheet DT01	1 EA
24	Reset Survey Marker (MAG Dtl 120-1 Type A)	1 EA
25	Remove and Replace Existing Curb and Gutter	10 LF
per MAG Detail 220-1		
26	Remove and Replace Existing Sidewalk per MAG Detail 230	55 SF
28	Remove and Reset Existing Landscaping In Kind	NPI
29	Remove and Replace Existing Valley Gutter per MAG Detail 240	120 SF
37	Tunnel Under Existing Curb, Gutter, and Sidewalk	NPI
40	6" DIP Class 350 Reclaimed Waterline	32 LF
41	6" Gate Valve, Valve Box, and Cover per Detail #5 Sheet DT01	1 EA
42	Fire Hydrant per City of Peoria Detail 360-1	1 EA
Painted Purple (Pantone 512 or Equivalent)		

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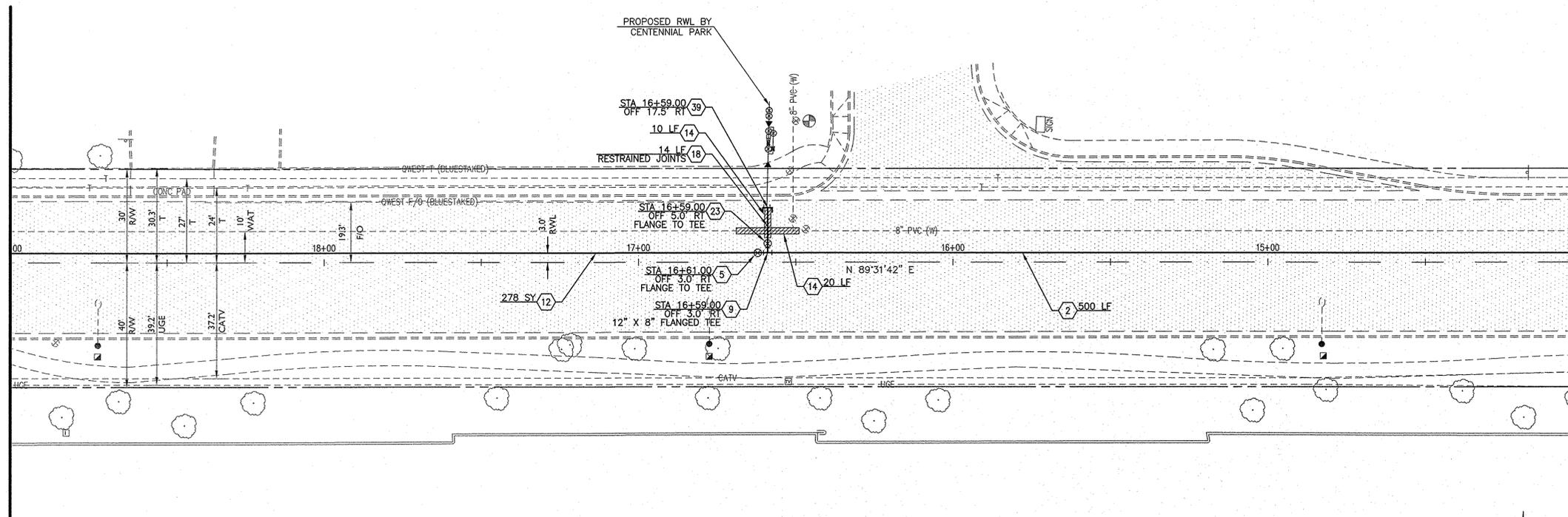
83RD AVENUE  
RECLAIMED WATERLINE

### PLAN AND PROFILE SHEET

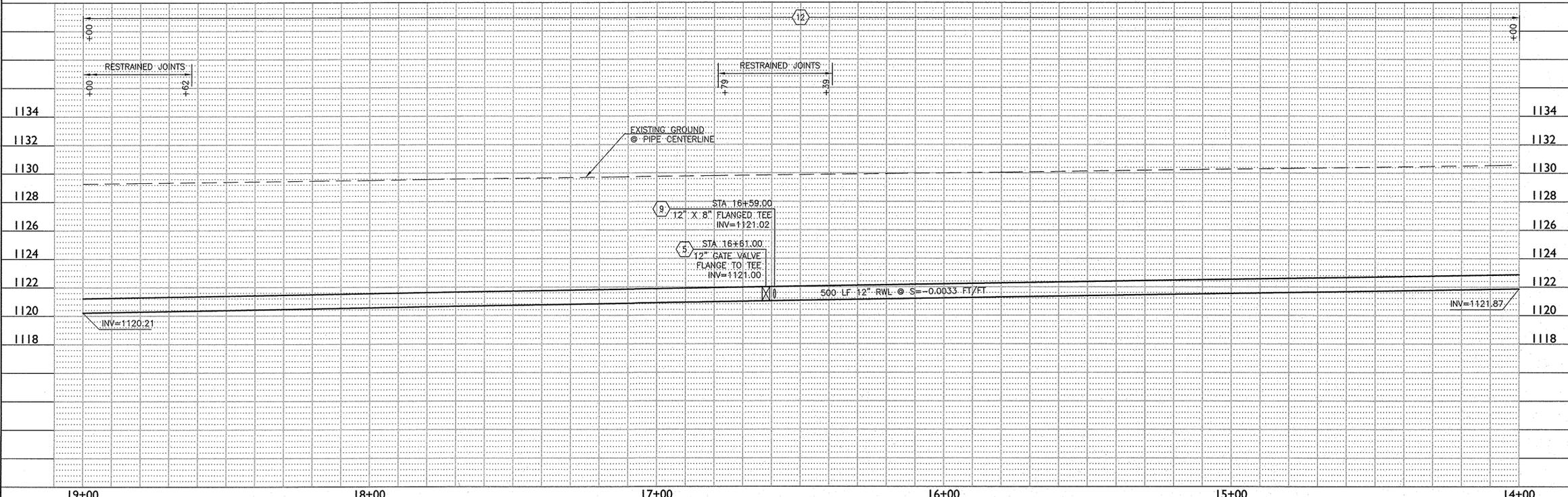
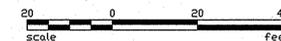
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DRAWING NO.	PP14	SHEET 19 OF 23

MATCH SHEET PPI 6  
STA 19+00

MATCH SHEET PPI 4  
STA 14+00

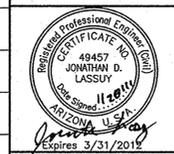


# Mountain View Road



CONSTRUCTION NOTES		
2	12" DIP Class 350 Reclaimed Waterline	500 LF
5	12" Gate Valve, Valve Box, and Cover per Detail #5 Sheet DT01	1 EA
9	Waterline Fitting (Restrained Joints - No Thrust Block Required)	NPI
12	Sawcut, Remove, & Replace Existing Pavement per Detail #3	278 SY
Sheet DT01		
14	Concrete Encasement per MAG Detail 404	30 LF
18	8" DIP Class 350 Reclaimed Waterline	14 LF
23	8" Gate Valve, Valve Box, and Cover per Detail #5 Sheet DT01	1 EA
39	Connect to Existing 8" Reclaimed Waterline	NPI

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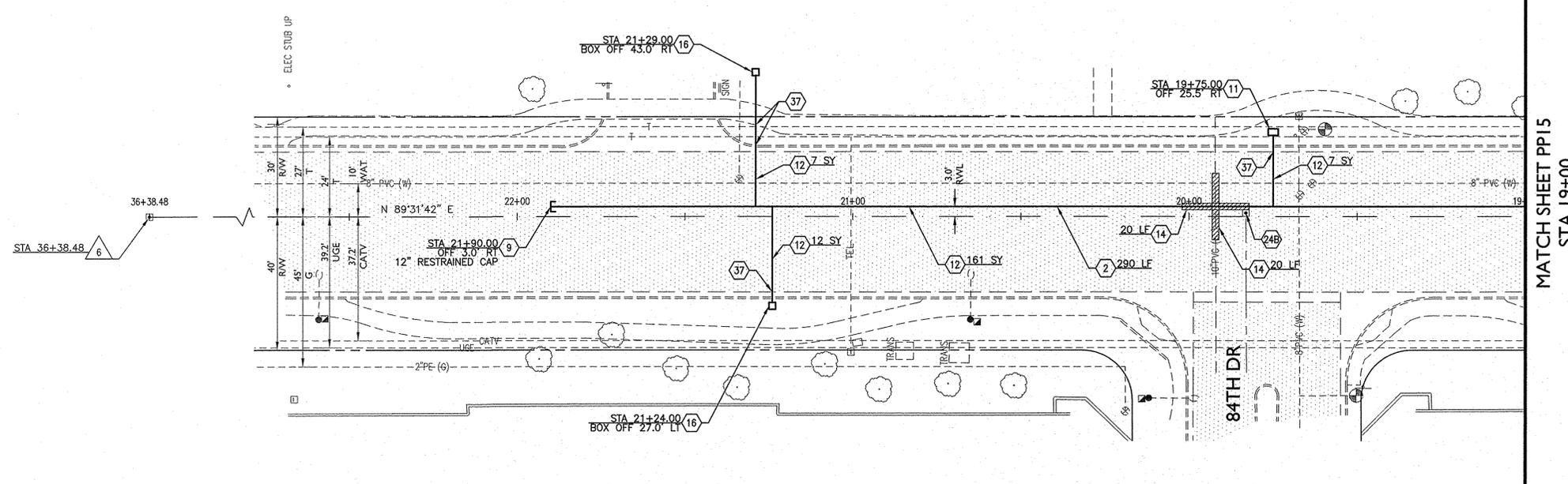


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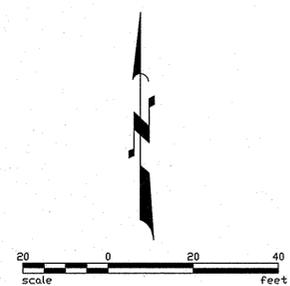
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RECLAIMED WATERLINE

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DRAWING NO.	PP15	SHEET 20 OF 23

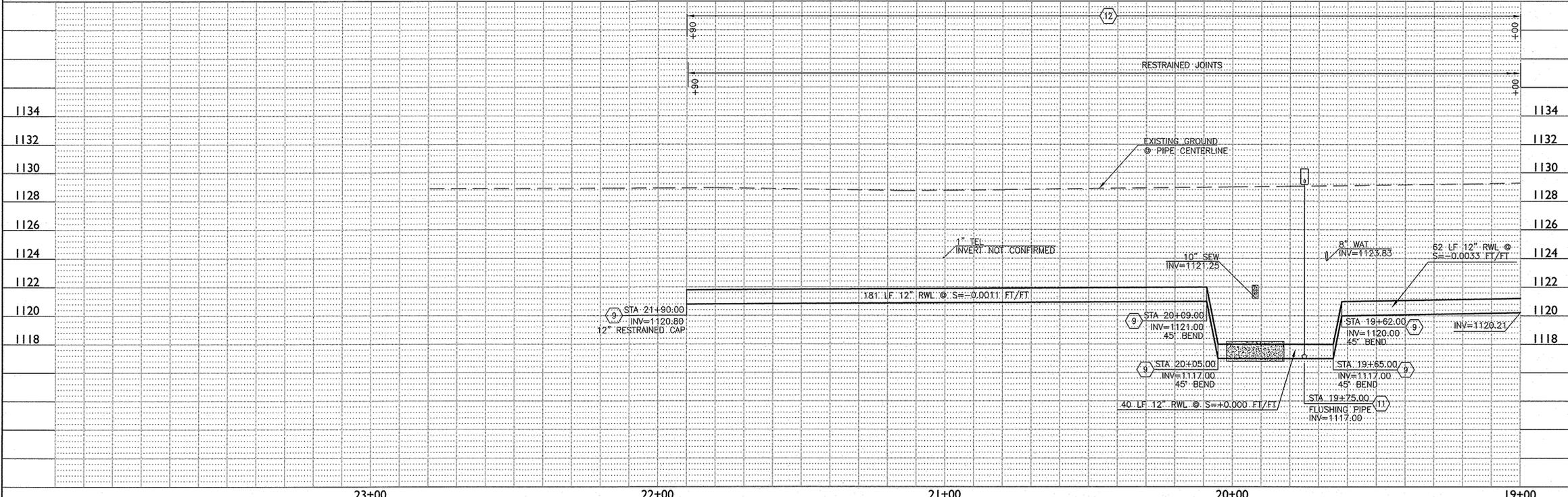


# Mountain View Road



MATCH SHEET PP15  
STA 19+00

CONSTRUCTION NOTES		
(2)	12" DIP Class 350 Reclaimed Waterline	290 LF
(9)	Waterline Fitting (Restrained Joints - No Thrust Block Required)	NPI
(11)	Curb Stop with Flushing Pipe per Detail #7 Sheet DT01	1 EA
(12)	Sawcut, Remove, & Replace Existing Pavement per Detail #3	187 SY
Sheet DT01		
(14)	Concrete Encasement per MAG Detail 404	40 LF
(16)	2" Reclaimed Water Service Line and Meter Box per Detail #6	2 EA
Sheet DT01		
(24B)	Reset Survey Marker (MAG Dtl 120-1 Type B)	1 EA
(37)	Tunnel Under Existing Curb, Gutter, and Sidewalk	NPI



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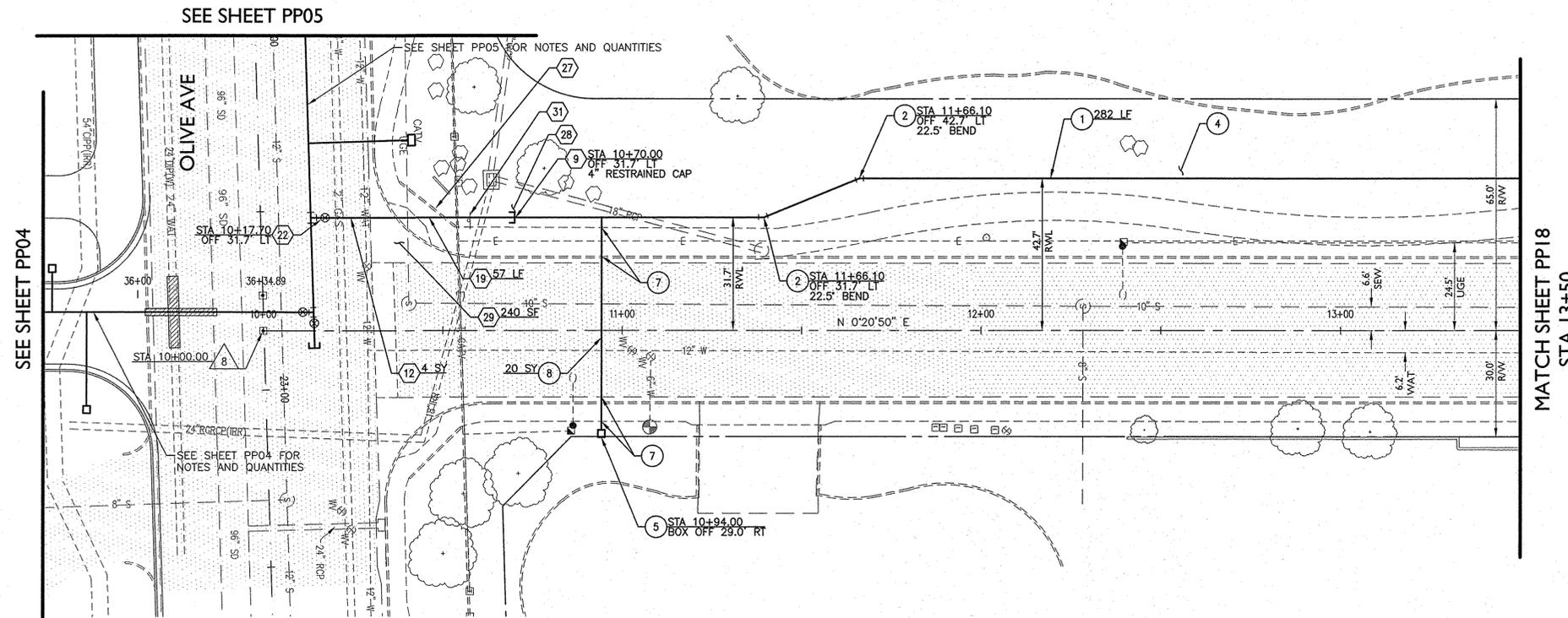


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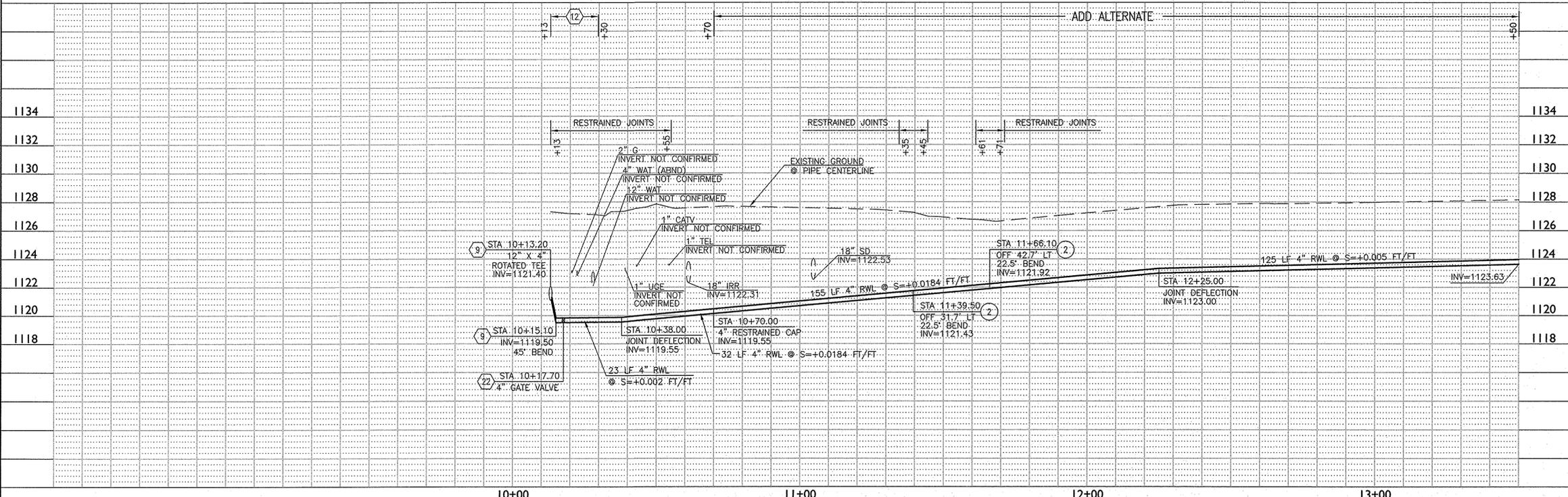
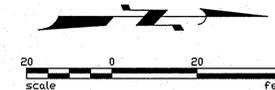
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DRAWING NO.	PP16	SHEET 21 OF 23



# 81st Avenue



CONSTRUCTION NOTES		
9	Waterline Fitting (Restrained Joints - No Thrust Block Required)	NPI
12	Sawcut, Remove, & Replace Existing Pavement per Detail #3	4 SY
Sheet DT01		
19	4" DIP Class 350 Reclaimed Waterline	57 LF
22	4" Gate Valve, Valve Box, and Cover per Detail #5 Sheet DT01	1 EA
27	Remove and Replace Existing Sidewalk Ramp per MAG Detail 231	1 EA
28	Remove and Reset Existing Landscaping In Kind	NPI
28	Remove and Replace Existing Valley Gutter per MAG Detail 240	240 SF
31	Remove and Reset Existing Sign per MAG Detail 131	1 EA

ADD ALTERNATE NOTES		
1	4" DIP Class 250 Reclaimed Waterline	282 LF
2	Waterline Fitting (Restrained Joints - No Thrust Block Required)	NPI
4	Remove and Reset Existing Landscaping In Kind	NPI
5	2" Reclaimed Water Service Line and Meter Box per Detail #6	1 EA
Sheet DT01		
7	Tunnel Under Existing Curb, Gutter, and Sidewalk	NPI
8	Sawcut, Remove, & Replace Existing Pavement per Details #2 and #3 Sheet DT01	20 SY

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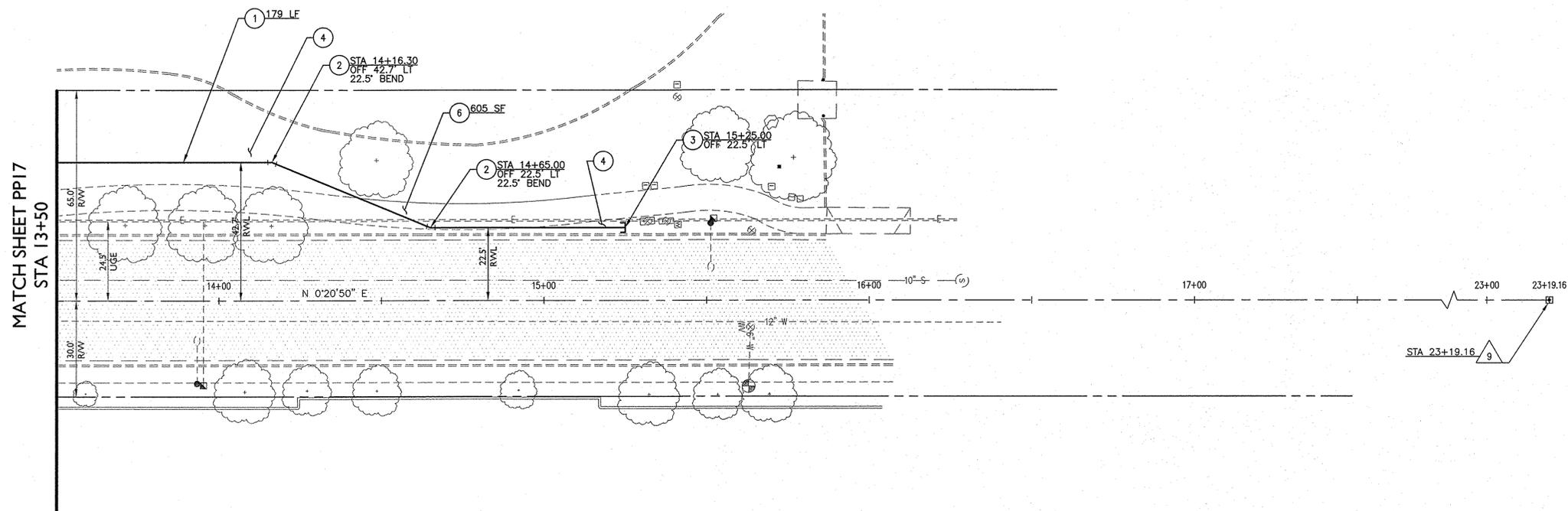
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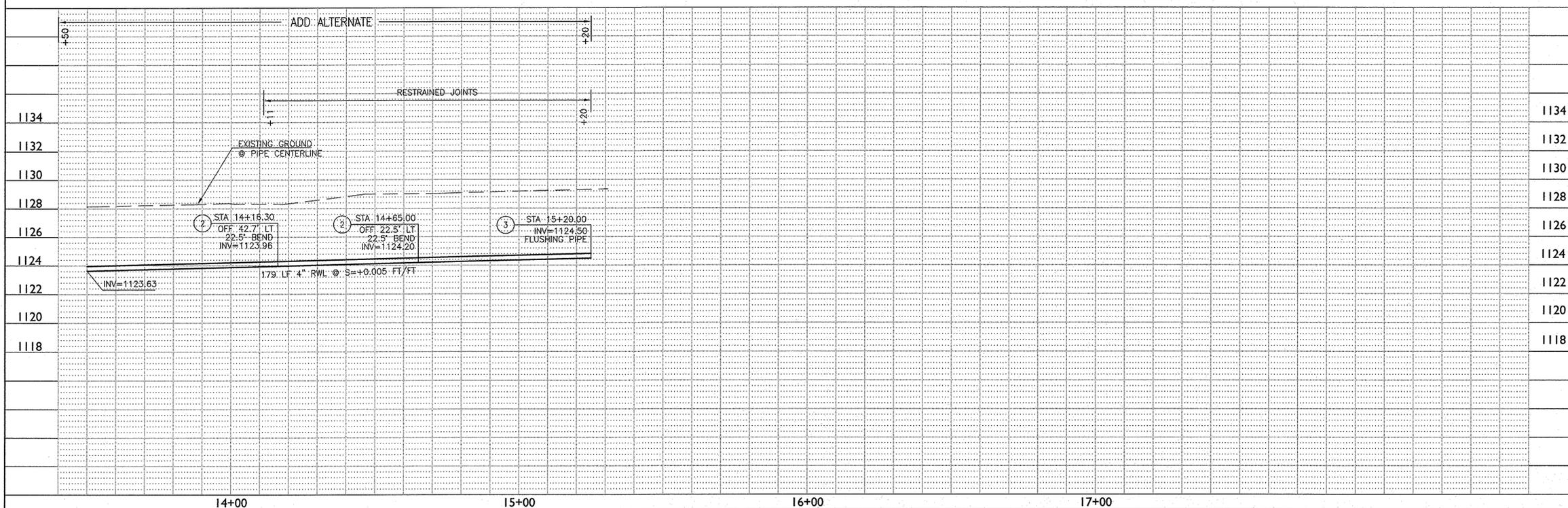
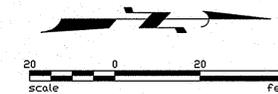
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DRAWING NO.	PP17	SHEET 22 OF 23

ADD ALTERNATE NOTES

1	4" DIP Class 250 Reclaimed Waterline	179 LF
2	Waterline Fitting (Restrained Joints - No Thrust Block Required)	NPI
3	Curb Stop with Flushing Pipe per MAG Detail 390 Type "A"	1 EA
4	Remove and Reset Existing Landscaping In Kind	NPI
6	Remove and Replace Existing Sidewalk per MAG Detail 230	605 SF

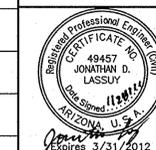


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