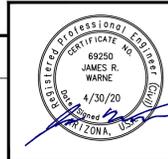
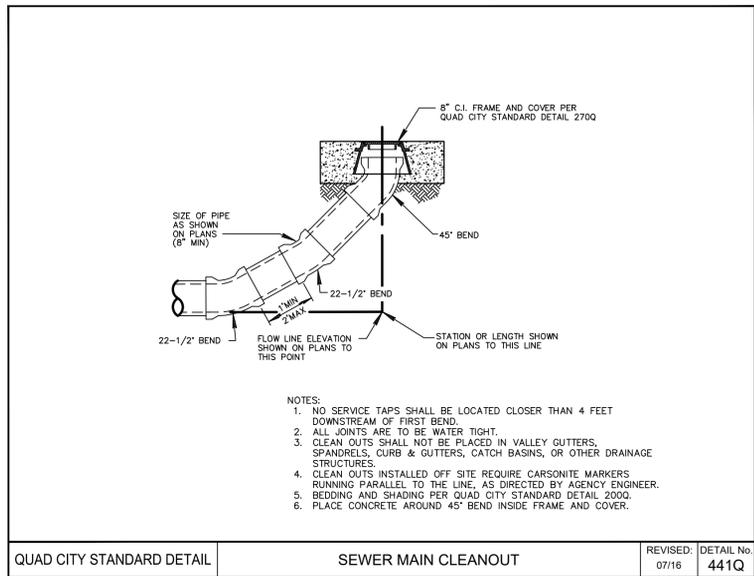


REVISIONS			
NO.	DESCRIPTION	DATE	BY

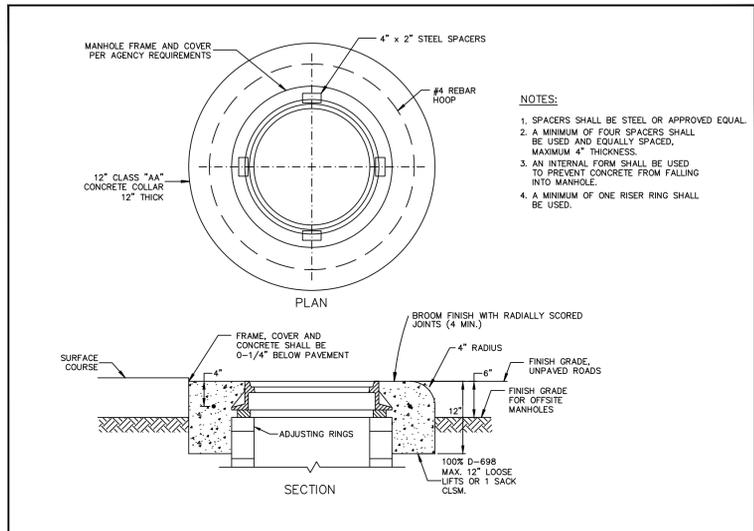
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DATE:	APR 20
SCALE:	AS SHOWN
DRAWN:	MEB
DESIGN:	JRW
CHECKED:	GDB





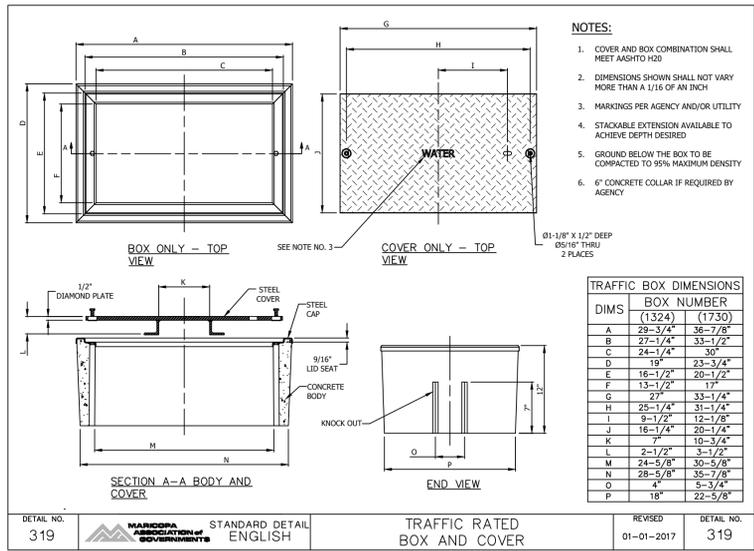
- NOTES:
1. NO SERVICE TAPS SHALL BE LOCATED CLOSER THAN 4 FEET DOWNSTREAM OF FIRST BEND.
  2. ALL JOINTS ARE TO BE WATER TIGHT.
  3. CLEAN OUTS SHALL NOT BE PLACED IN VALLEY GUTTERS, SPANDRELS, CURB & GUTTERS, CATCH BASINS, OR OTHER DRAINAGE STRUCTURES.
  4. CLEAN OUTS INSTALLED OFF SITE REQUIRE CARSONITE MARKERS RUNNING PARALLEL TO THE LINE, AS DIRECTED BY AGENCY ENGINEER.
  5. BEDDING AND SHADING PER QUAD CITY STANDARD DETAIL 200Q.
  6. PLACE CONCRETE AROUND 45° BEND INSIDE FRAME AND COVER.

QUAD CITY STANDARD DETAIL SEWER MAIN CLEANOUT REVISED: 07/16 DETAIL No. 441Q



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

QUAD CITY STANDARD DETAIL MANHOLE FRAME ADJUSTMENT REVISED: 7/16 DETAIL No. 422Q



- NOTES:
1. COVER AND BOX COMBINATION SHALL MEET AASHTO H20.
  2. DIMENSIONS SHOWN SHALL NOT VARY MORE THAN 1/16 OF AN INCH.
  3. MARKINGS PER AGENCY AND/OR UTILITY.
  4. STACKABLE EXTENSION AVAILABLE TO ACHIEVE DEPTH DESIRED.
  5. GROUND BELOW THE BOX TO BE COMPACTED TO 95% MAXIMUM DENSITY.
  6. 6" CONCRETE COLLAR IF REQUIRED BY AGENCY.

DIMS	BOX NUMBER	
	(1324)	(1730)
A	29-3/4"	36-7/8"
B	22-1/4"	33-1/2"
C	24-1/4"	30"
D	19"	23-3/4"
E	16-1/2"	20-1/2"
F	13-1/2"	17"
G	27"	33-1/4"
H	25-1/4"	31-1/4"
I	9-1/2"	12-3/8"
J	16-1/4"	20-1/4"
K	7"	10-3/4"
L	2-1/2"	3-1/2"
M	24-5/8"	30-5/8"
N	28-5/8"	35-7/8"
O	4"	5-3/4"
P	18"	22-5/8"

DETAIL NO. 319 STANDARD DETAIL ENGLISH TRAFFIC RATED BOX AND COVER REVISED: 01-01-2017 DETAIL No. 319

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)

REVISIONS			
NO.	DESCRIPTION	DATE	BY

**SWI**  
Shephard Wesnitzer, Inc.

221 N. Marina St.  
Suite 102  
Prescott, AZ 86301  
928.541.0443  
928.541.1075 fax  
www.swiaz.com

JOB NO: 17053.001  
DATE: APR 20  
SCALE: AS SHOWN  
DRAWN: MEB  
DESIGN: JRW  
CHECKED: GDB

MILE HIGH WATER LINE REPLACEMENT  
PRESCOTT ARIZONA

**DETAILS**



DRAWING NO.  
**CO5**

SHT NO. OF  
5 27

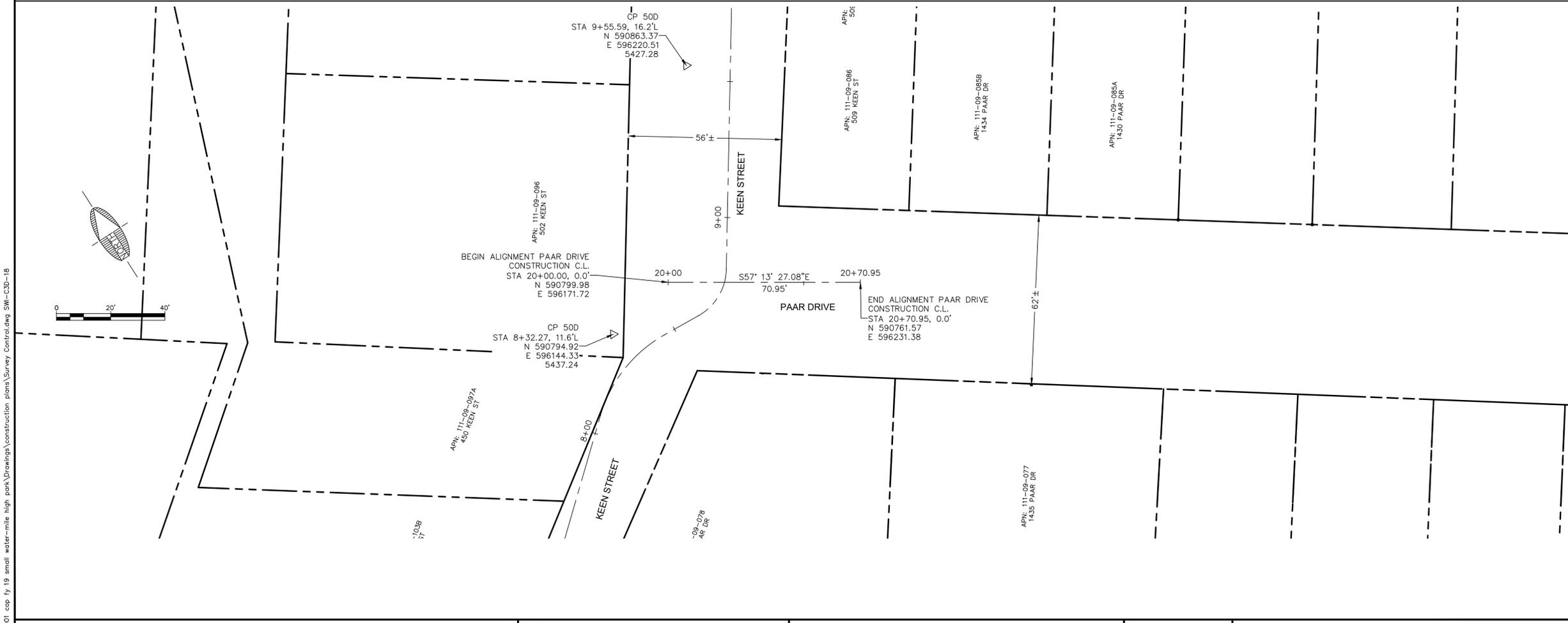
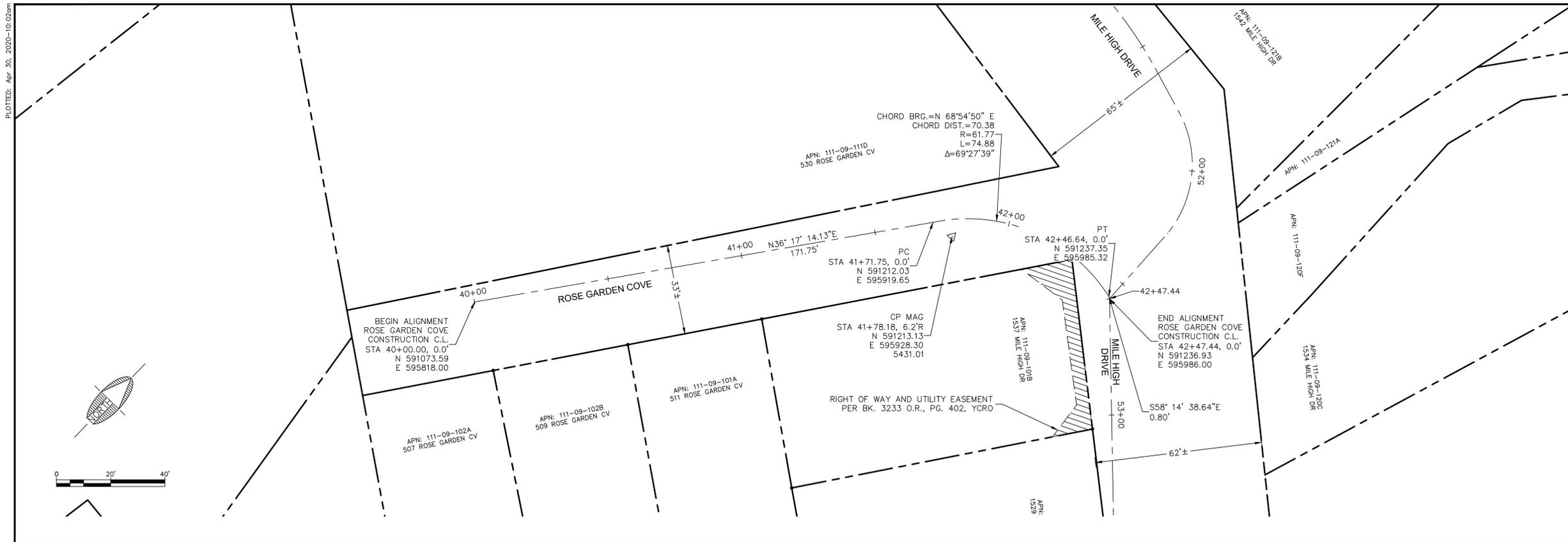
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Arizona Blue Stake, Inc.

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JOB NO: 17053.001  
DATE: APR 20  
SCALE: H 1:20 V 1:10  
DRAWN: MEB  
DESIGN: JRW  
CHECKED: GDB

MILE HIGH PARK WATERLINE REPLACEMENT  
PRESCOTT ARIZONA

**SURVEY CONTROL**  
ROSE GARDEN COVE-STA 40+00 TO 42+47.44  
PAAR DR-STA 20+00 TO 20+50.20

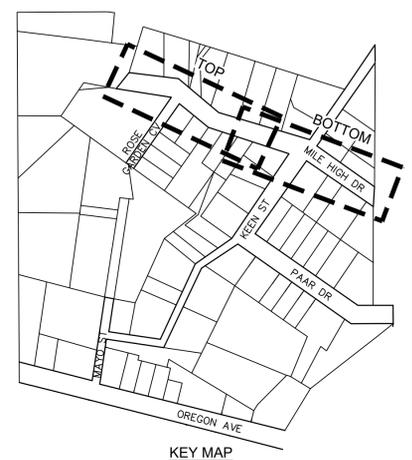
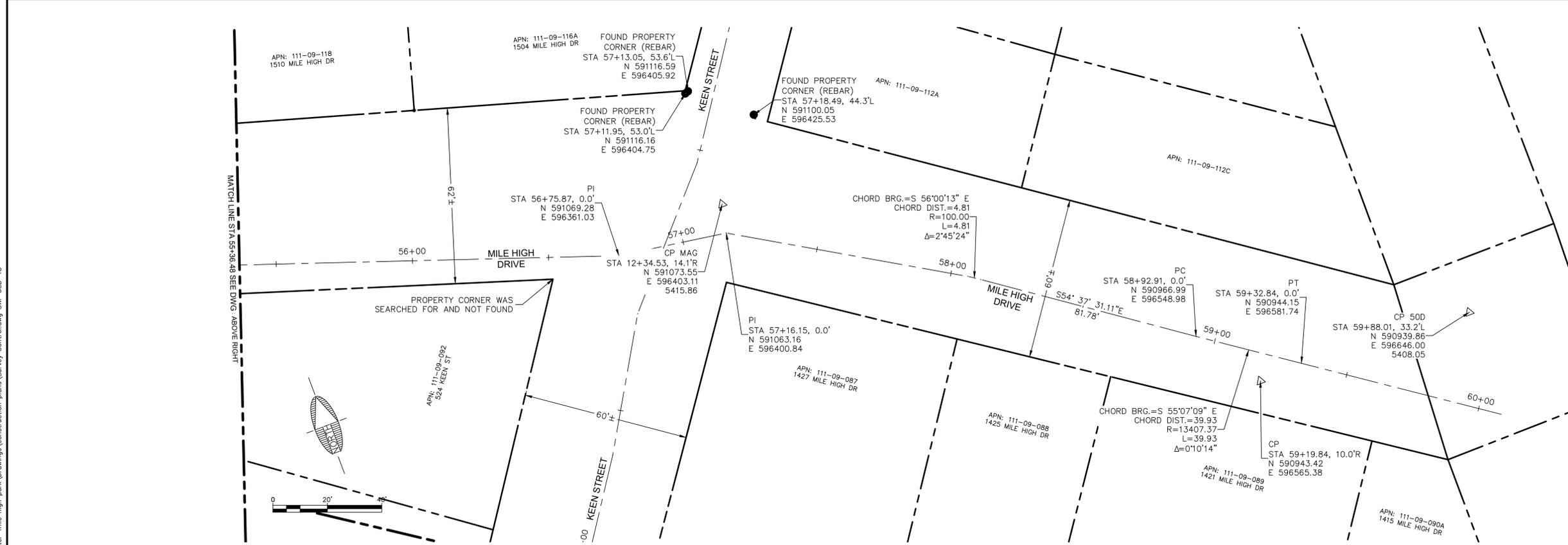
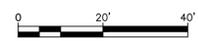
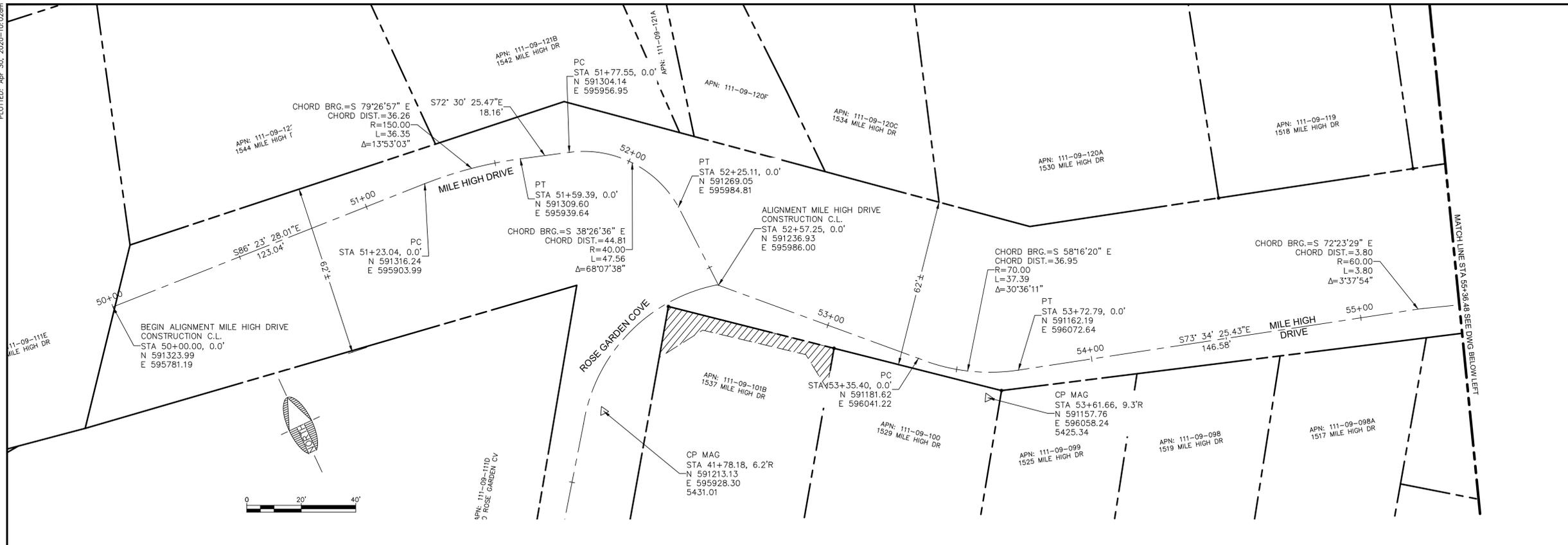


DRAWING NO.  
**SC01**

SHT NO. OF  
6 OF 27

PLOTTED: Apr 30, 2020-10:02am

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Dial 8-1-1 or 1-800-STAKE-11 (782-5348)

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DRAWN: MEB  
DESIGN: JRW  
CHECKED: GDB

MILE HIGH PARK WATERLINE REPLACEMENT  
SURVEY CONTROL  
MILE HIGH DR-STA 50+00 TO 60+00

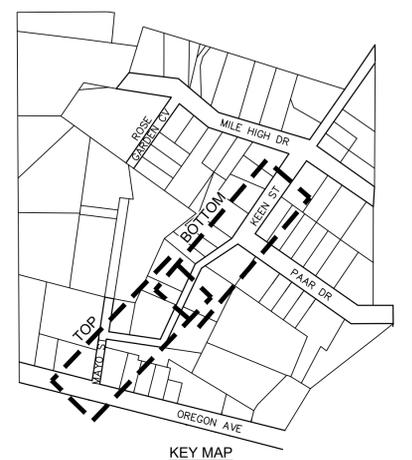
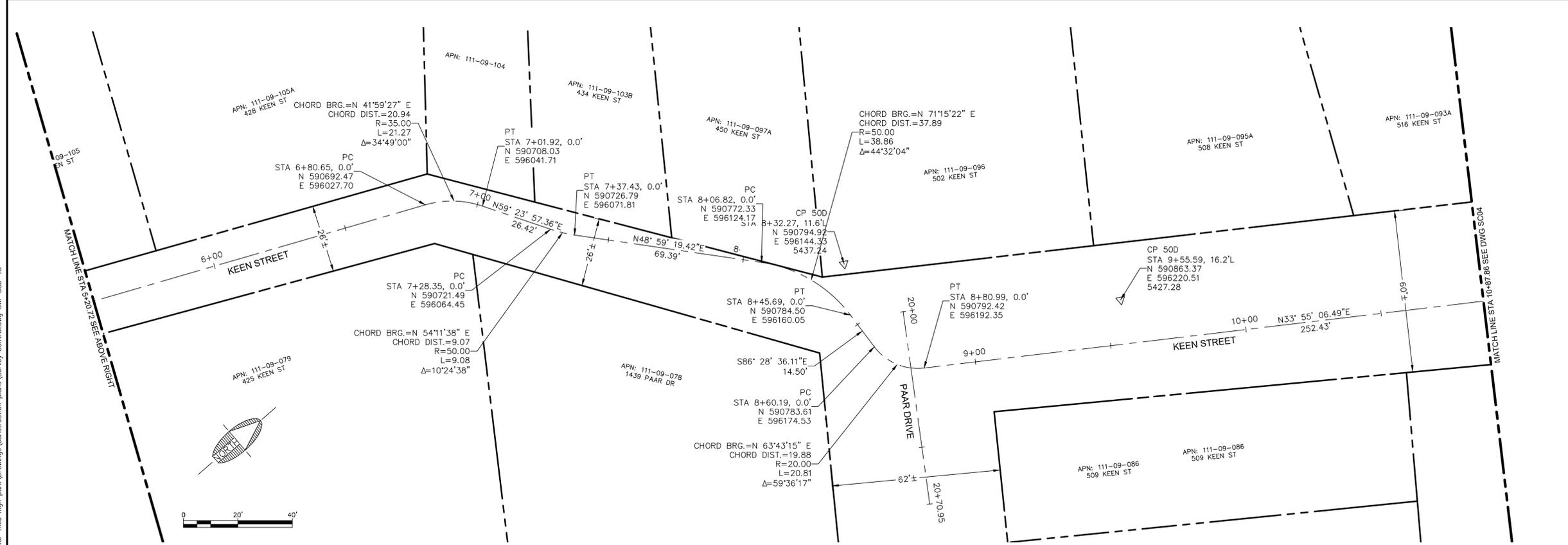
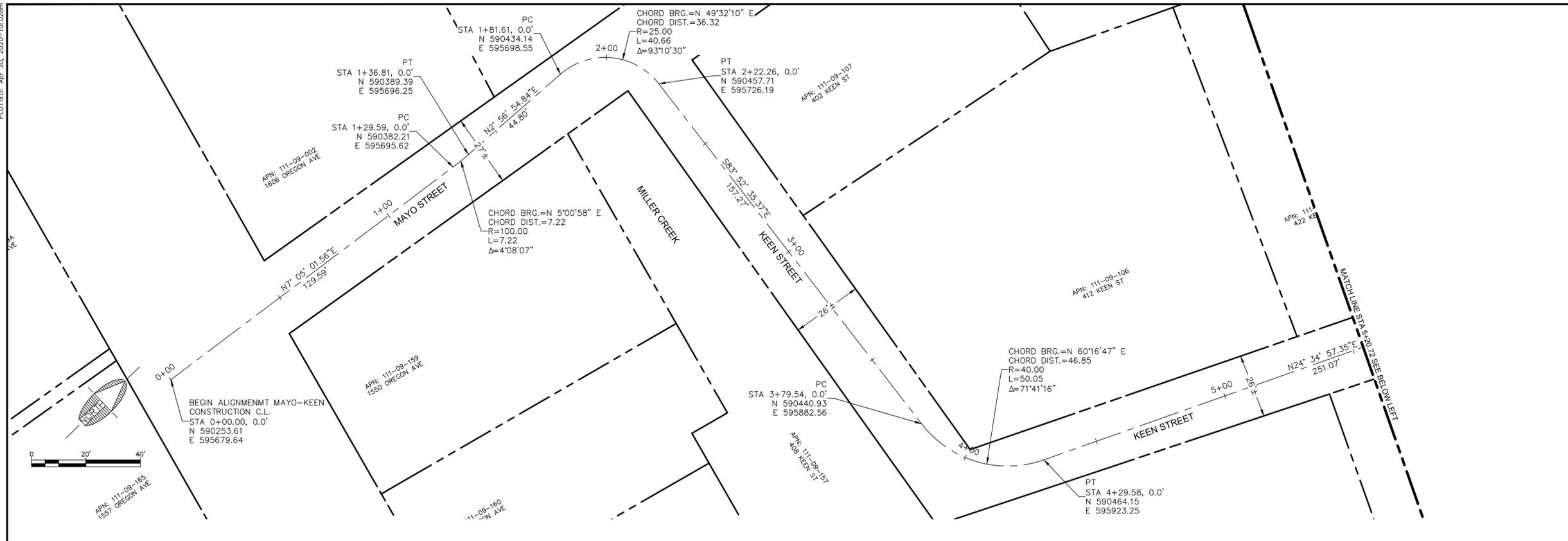
PRESCOTT  
ARIZONA



DRAWING NO.  
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SHT NO. OF  
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PLOTTED: Apr 30, 2020-10:02am

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SCALE:	H 1:20 V 1:10
DRAWN:	MEB
DESIGN:	JRW
CHECKED:	GDB

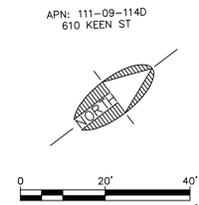
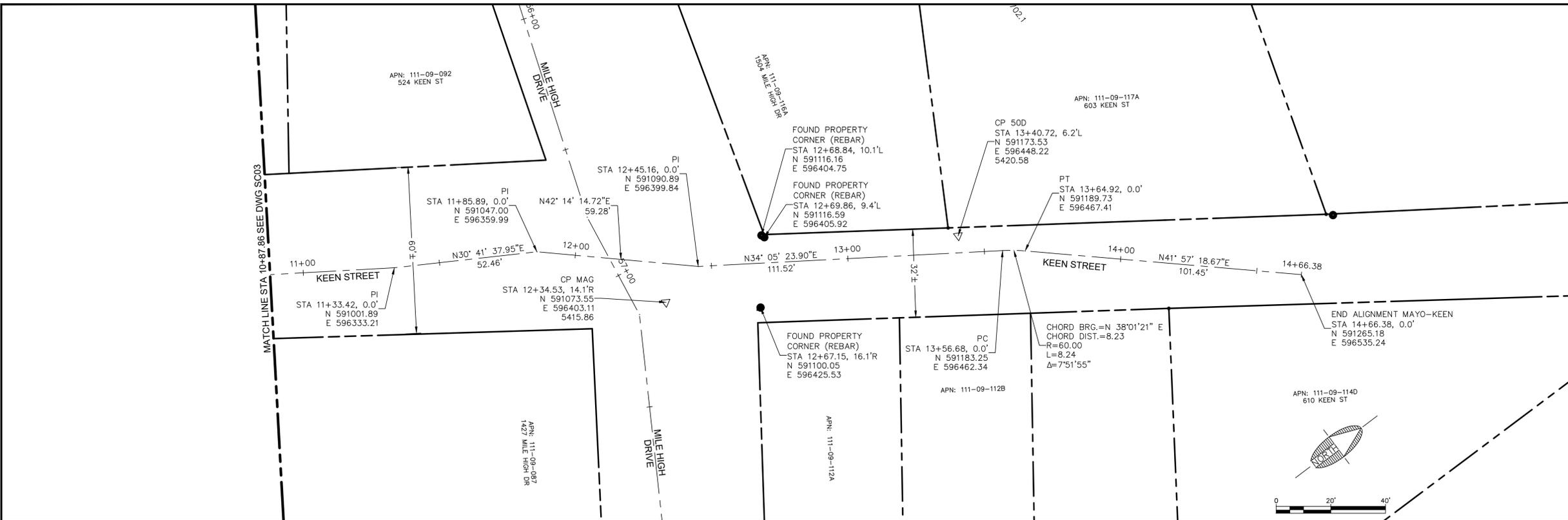
MILE HIGH PARK WATERLINE REPLACEMENT

PRESCOTT ARIZONA

**SURVEY CONTROL**  
 MAYO-KEEN ST-STA 0+00.00 TO 10+87.86



DRAWING NO.  
**SC03**  
 SHT NO. OF  
 8 27



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

REVISIONS			
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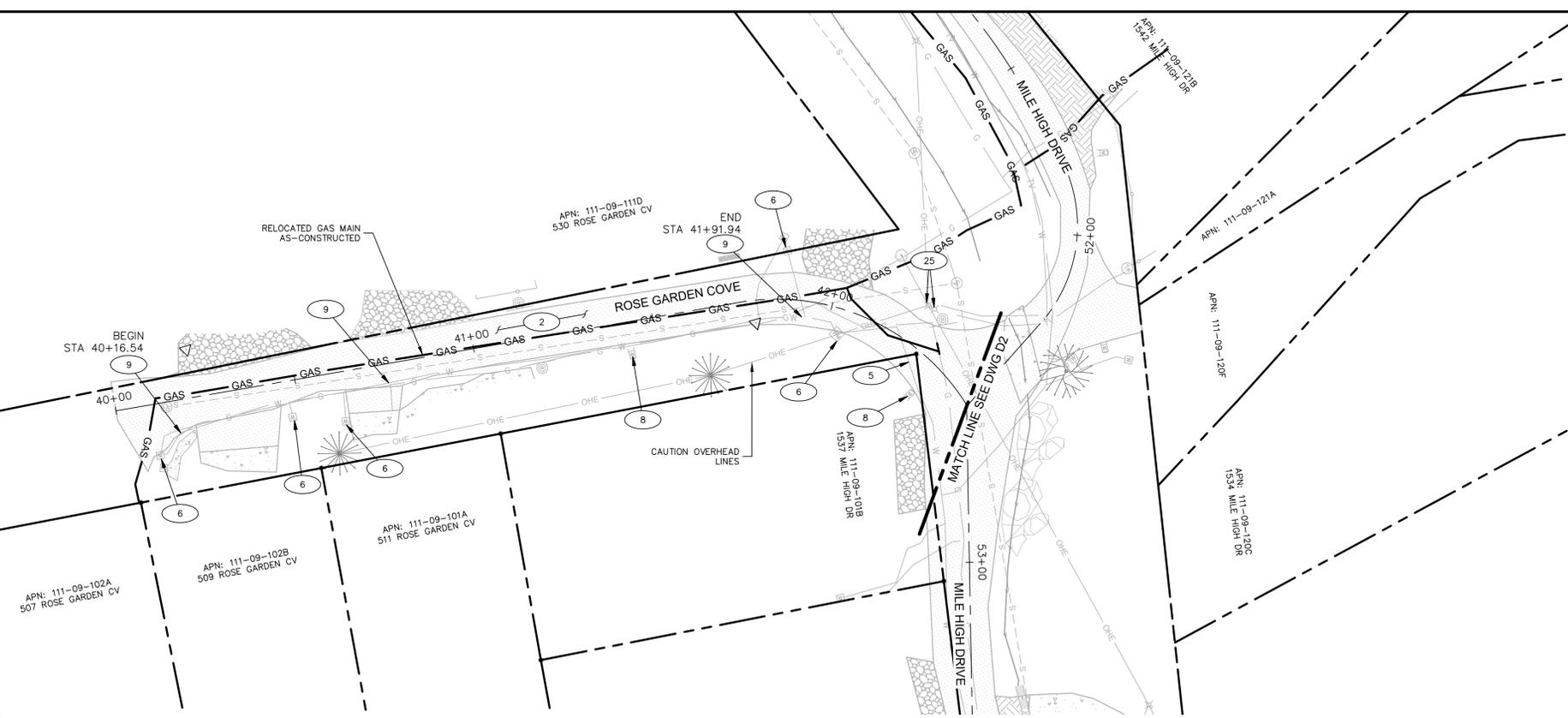
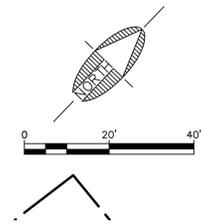
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DATE:	APR 20
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DESIGN:	JRW
CHECKED:	GDB

MILE HIGH PARK WATERLINE REPLACEMENT  
 PRESCOTT ARIZONA  
**SURVEY CONTROL**  
 MAYO-KEEN ST STA 10+68.00 TO 14+66.38



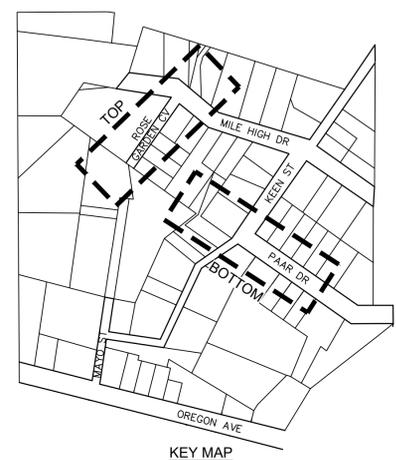
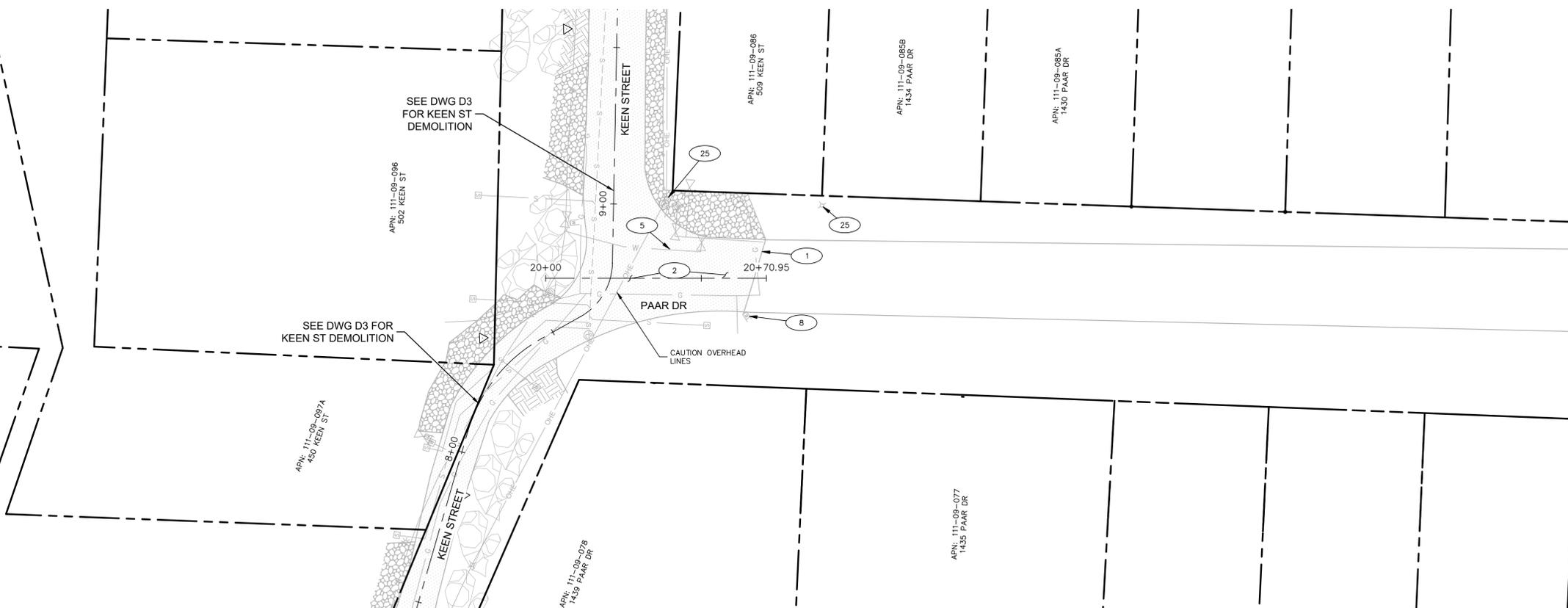
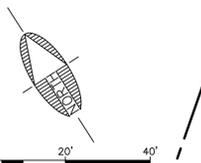
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PLOTTED: Apr 30, 2020-10:02am



- ### DEMOLITION NOTES
- 1 SAWCUT EXISTING AC PAVEMENT.
  - 2 REMOVE EXISTING AC PAVEMENT SECTION.
  - 5 REMOVE EXISTING WATERLINE AND VALVES.
  - 6 REMOVE EXISTING WATER SERVICE BOX AND APPREANCES.
  - 8 PROTECT EXISTING MAILBOX.
  - 9 ABANDON WATERMAIN IN PLACE.
  - 25 PROTECT EXISTING UTILITY POLE.

FILE: P:\2017\17053.001 csp fy 19 small water-mile high park\Drawings\Construction plans\Demo.dwg SW-C3D-18



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JOB NO: 17053.001  
 DATE: FEB 19  
 SCALE: H 1:20 V 1:10  
 DRAWN: MEB/SJV  
 DESIGN: JRW  
 CHECKED: GDB

MILE HIGH PARK WATERLINE REPLACEMENT  
 PRESCOTT ARIZONA  
**DEMO**  
 ROSE GARDEN COVE-STA 40+00 TO 42+47.44  
 PAAR DRIVE-STA 20+00 TO 20+70.95

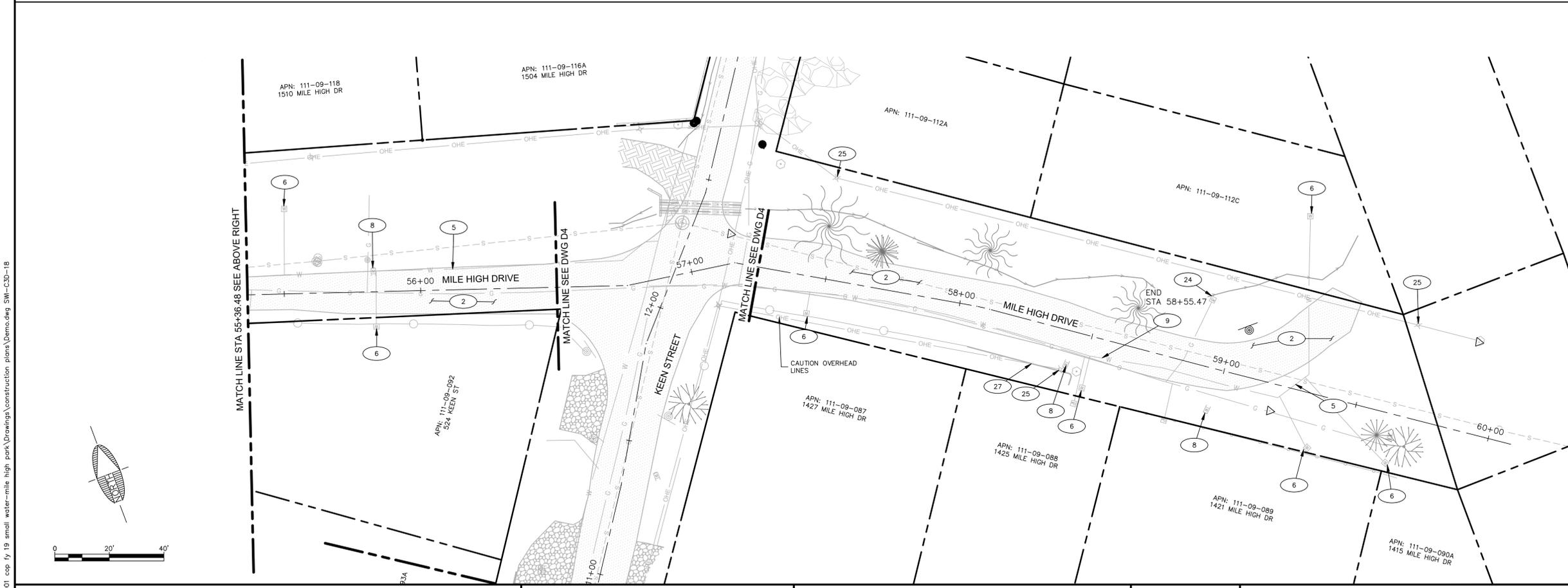
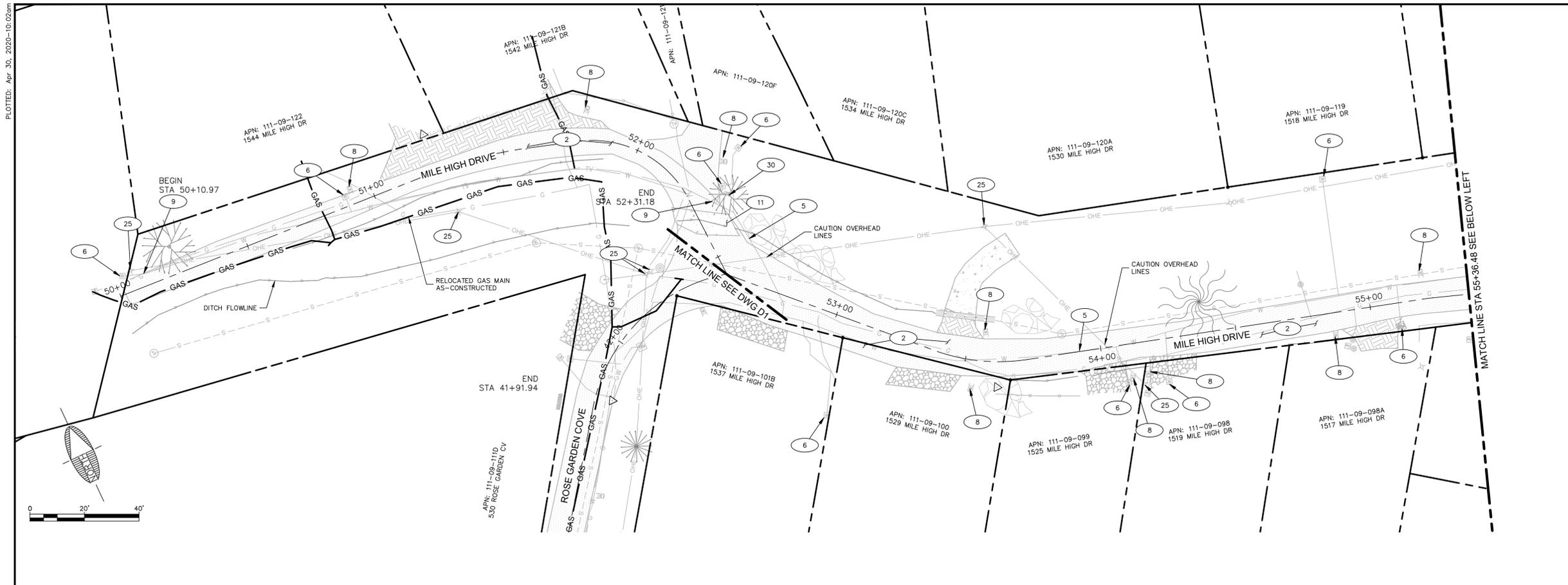


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**D01**  
 SHT NO. OF  
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- ### DEMOLITION NOTES
- (2) REMOVE EXISTING AC PAVEMENT SECTION.
  - (5) REMOVE EXISTING WATERLINE AND VALVES.
  - (6) REMOVE EXISTING WATER SERVICE BOX AND APPURTENANCES.
  - (8) PROTECT EXISTING MAILBOX.
  - (9) ABANDON WATERMAIN IN PLACE.
  - (11) REMOVE AND DISPOSE OF EXISTING VALLEY GUTTER.
  - (24) PROTECT EXISTING GAS METER.
  - (25) PROTECT EXISTING UTILITY POLE.
  - (27) PROTECT EXISTING WALL IN PLACE.
  - (30) REMOVE AND DISPOSE OF EXISTING TREE.



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MILE HIGH PARK WATERLINE REPLACEMENT  
PRESCOTT ARIZONA

**DEMO**  
MILE HIGH DR-STA 50+00 TO 60+00

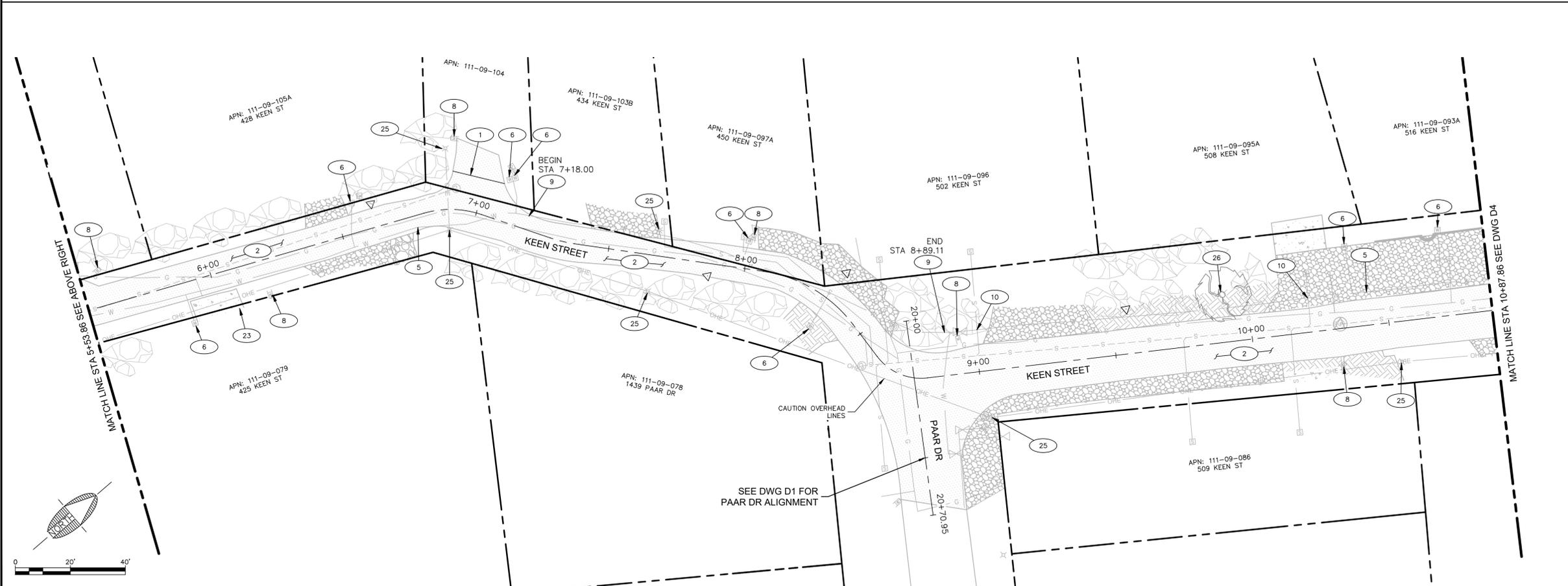
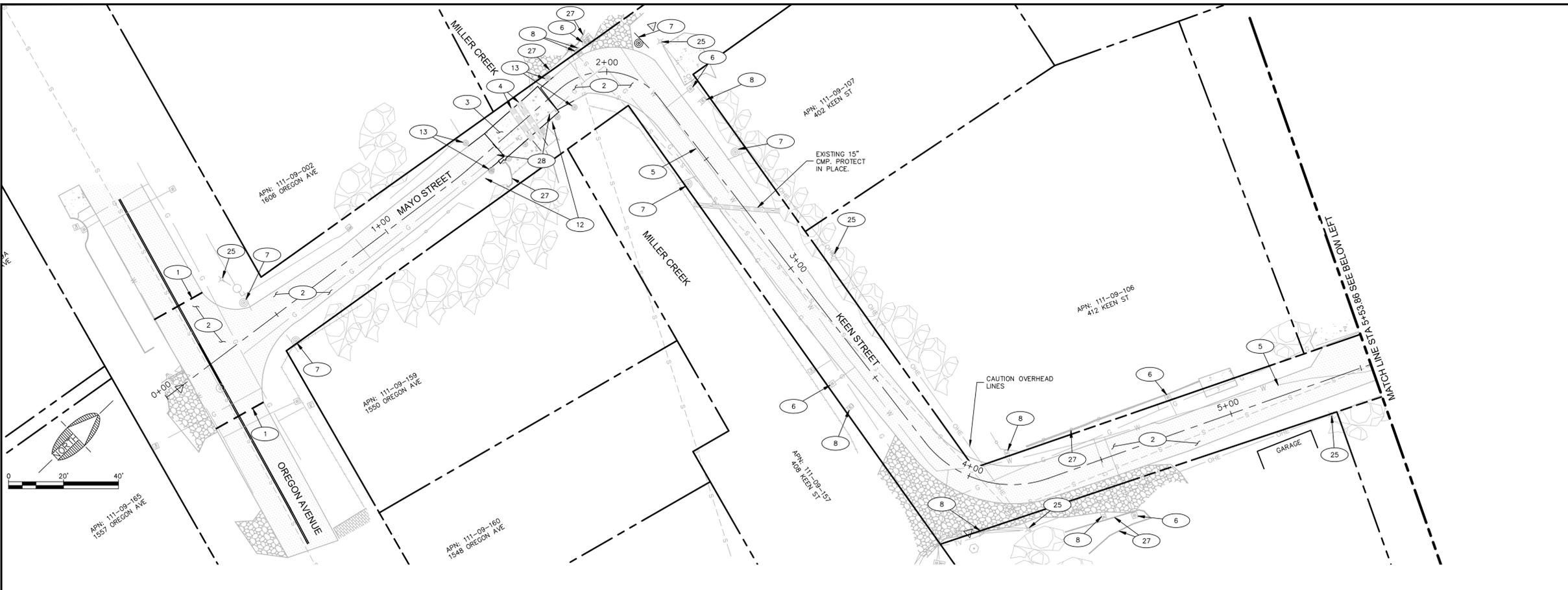


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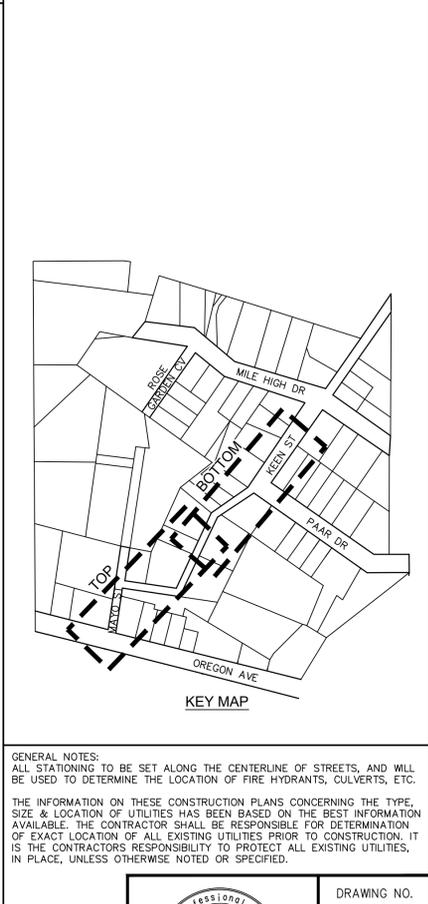
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PLOTTED: Apr 30, 2020-10:02am

FILE: P:\2017\17053.001 cop fy 19 small water-mile high park\Drawings\Construction\plans\Demo.dwg SW-C3D-18



- ### DEMOLITION NOTES
- 1 SAWCUT EXISTING AC PAVEMENT.
  - 2 REMOVE EXISTING AC PAVEMENT SECTION.
  - 3 REMOVE EXISTING LOW WATER CROSSING INCLUDING: PAVEMENT, BOLLARDS AND RAILINGS.
  - 4 REMOVE EXISTING STORM DRAIN PIPE.
  - 5 REMOVE EXISTING WATERLINE AND VALVES.
  - 6 REMOVE EXISTING WATER SERVICE BOX AND APPURTENANCES.
  - 7 PROTECT EXISTING TRAFFIC CONTROL SIGNS.
  - 8 PROTECT EXISTING MAILBOX.
  - 9 ABANDON WATERMAIN IN PLACE.
  - 10 PROTECT SANITARY SEWER SERVICE LINE IN PLACE
  - 12 REMOVE AND RELOCATE EXISTING MILLER CREEK SIGN.
  - 13 REMOVE AND RESET EXISTING X-OM-3L WARNING SIGN.
  - 23 PROTECT EXISTING DRIVEWAY IN PLACE.
  - 25 PROTECT EXISTING UTILITY POLE.
  - 26 PROTECT TREE IN PLACE.
  - 27 PROTECT EXISTING WALL IN PLACE.
  - 28 COORDINATE REMOVAL OF EXISTING GAS MAIN WITH UNISOURCE. CONTRACTOR TO EXCAVATE FOR GAS MAIN ISOLATION, REMOVAL AND NEW INSTALLATION (STA 1+46.5 TO 1+75.5)



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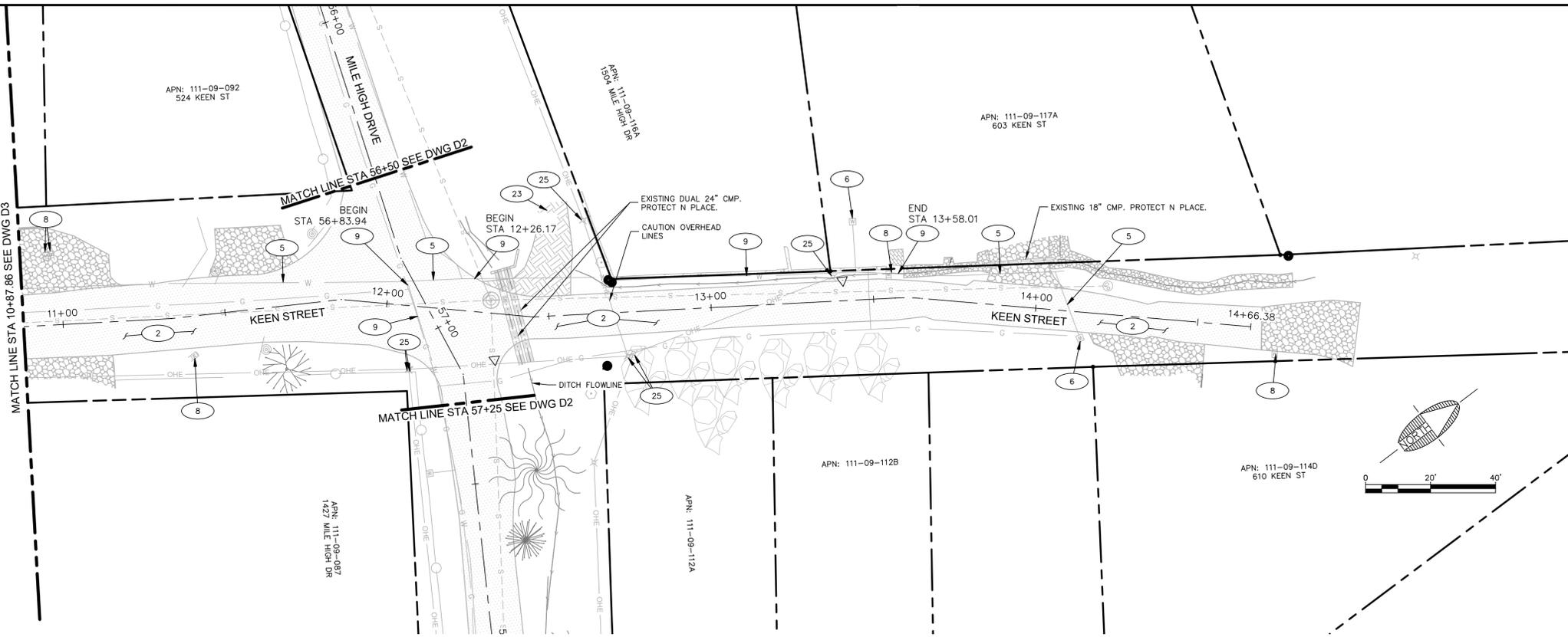
MILE HIGH PARK WATERLINE REPLACEMENT  
 PRESCOTT ARIZONA  
**DEMO**  
 MAYO-KEEN ST 0+00 TO 10+87.86



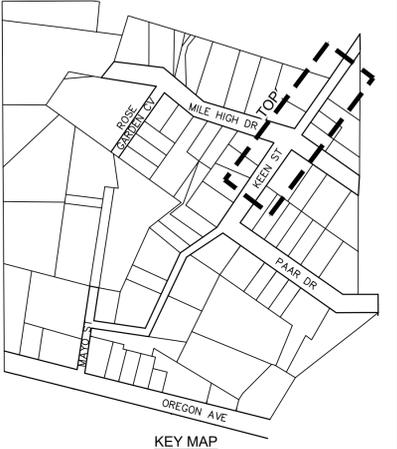
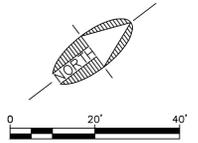
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**D03**  
 SHT NO. OF  
 12 27



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- ### DEMOLITION NOTES
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  - (5) REMOVE EXISTING WATERLINE AND VALVES.
  - (6) REMOVE EXISTING WATER SERVICE BOX AND APPURTENANCES.
  - (8) PROTECT EXISTING MAILBOX.
  - (9) ABANDON WATERMAIN IN PLACE.
  - (25) PROTECT EXISTING UTILITY POLE.



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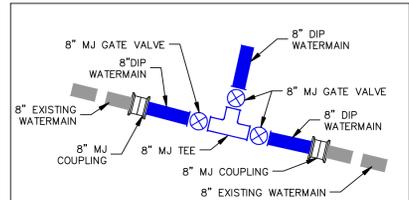
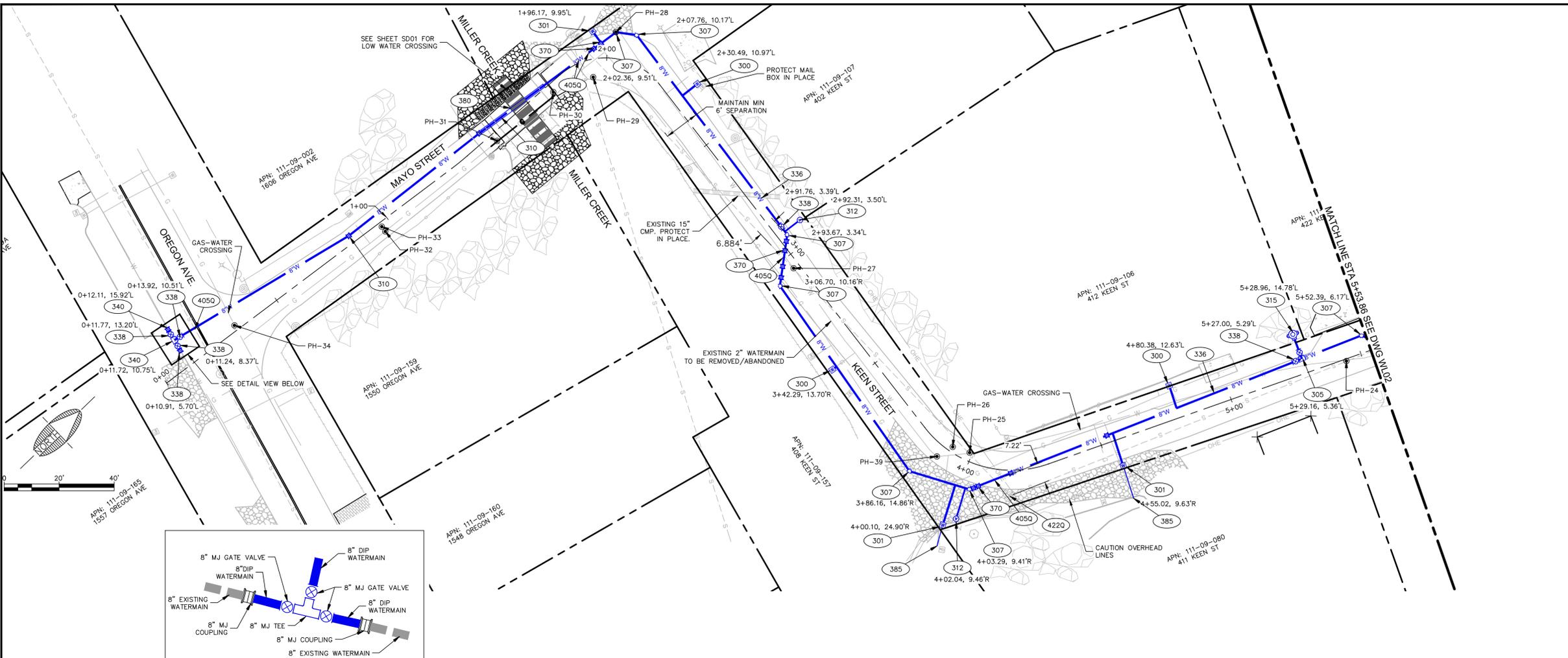
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MILE HIGH PARK WATERLINE REPLACEMENT  
PRESCOTT ARIZONA  
**DEMO**  
MAYO-KEEN ST-STA 10+87.86 TO 14+66.38



DRAWING NO.	<b>D04</b>
SHT NO.	13
OF	27

PLOTTED: Apr 30, 2020-10:03am  
 FILE: P:\2017\17053.001 cop fy 19 small water-mile high park Drawings\Construction plans\Wl.dwg SW-C3D-18  
 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-11 (782-5348)

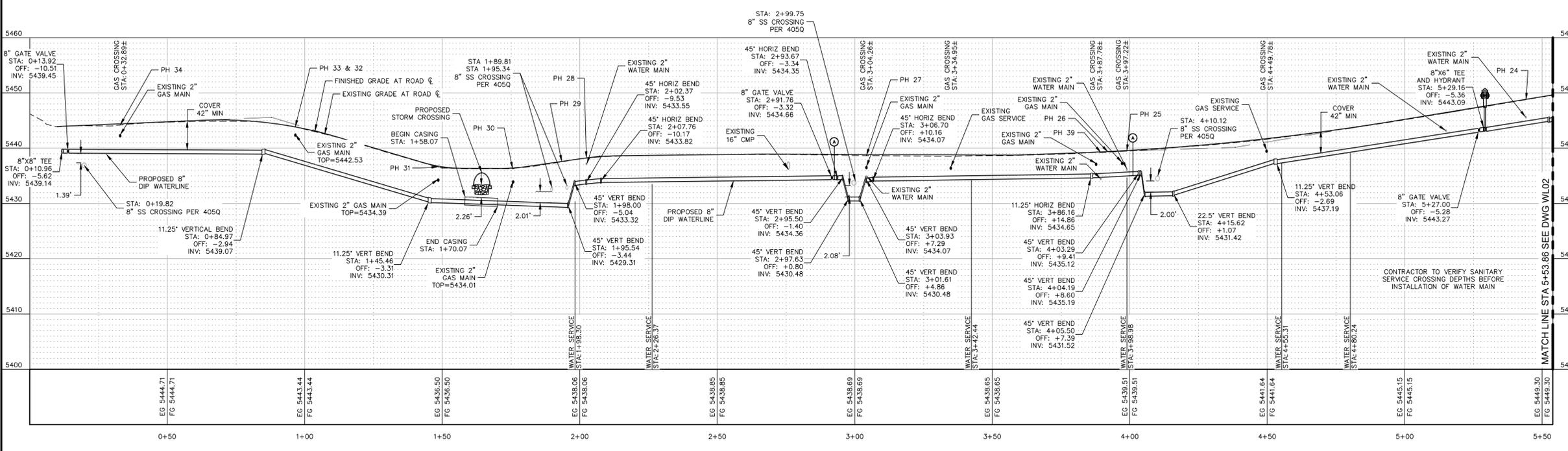


**CONSTRUCTION NOTES**

- 300 INSTALL 1" DIA. WATER SERVICE CONNECTION PER C.O.P. STD. DTL. 316P.
- 301 INSTALL 1" DIA. WATER SERVICE CONNECTION PER C.O.P. STD. DTL. 316P USING TRAFFIC RATED BOX PER C.O.P. STD. DTL. 319.
- 305 INSTALL TEE PER C.O.P. REQUIREMENTS.
- 307 INSTALL 45° BEND PER C.O.P. REQUIREMENTS.
- 309 INSTALL 11.25° BEND PER C.O.P. REQUIREMENTS.
- 310 INSTALL VERTICAL BEND PER C.O.P. REQUIREMENTS.
- 312 INSTALL 1" COMBINATION AIR RELEASE VALVE PER Q.C. STD. DTL. 317Q-1 ON SHEET C04.
- 315 INSTALL NEW FIRE HYDRANT PER Q.C. STD. DTL. 360Q & 362Q ON SHEET C05.
- 336 INSTALL NEW 8" DIP, CL350 WATERLINE PER THE TECHNICAL SPECIFICATIONS AND THE DETAILS ON SHEET C04. ALL PIPE AND FITTING JOINTS TO BE FULLY RESTRAINED USING MEG-A-LUG, FIELD LOC OR EQUIVALENT PIPE RESTRAINTS FOR ENTIRE LENGTH OF WATERLINE INSTALLATION.
- 338 INSTALL 8" GATE VALVE (INCLUDING VALVE BOX AND COVER) PER C.O.P. STD. DTL. 340 AND C.O.P. STD. 610 ADJUST BOX TO FINISH GRADE PER C.O.P. STD. DTL. 391-1 & 2. THRUST BLOCK PER C.O.P. STD. DTL. 301.
- 340 INSTALL CONNECTION TO EXISTING WATER MAIN. INCLUDES THRUST BLOCKING, TAPPING SLEEVE, AND VALVE PER QC STD. 340Q-1 ON SHEET C04.
- 370 VERTICAL REALIGNMENT OF WATER PER Q.C. STD. DTL. 370Q.
- 380 INSTALL 16" CASING PIPE PER M.A.G. SPECIFICATIONS SECTION 602.
- 385 CONNECT EXISTING SERVICE TO METER WITH 1" DIA. MUNICIPEX® MUNICIPAL WATER SERVICE PIPE OR APPROVED EQUAL.
- 405Q REPLACE BROKEN SEWER LINE PER CITY OF PRESCOTT STANDARD DRAWING 405Q AS NEEDED.
- 422Q ADJUST SANITARY MANHOLE FRAME PER QUAD CITY DETAIL 422Q.

**UTILITY POTHOLE LOG**

POTHOLE NUMBER	UTILITY	ELEVATION AT TOP	DEPTH, FT
PH-24	WATER - 2" STEEL	5445.78	3.02
PH-25	WATER - 2" STEEL SANITARY SEWER - 8" CLAY	5436.3 5434.37	3.07 5.00
PH-26	N/A	5432.21	7
PH-27	WATER - 2" STEEL	5435.05	3.71
PH-28	WATER - 2" STEEL WATER - 1" COPPER	5437.32	1.2
PH-29	N/A	5431.21	6
PH-30	GAS - 2" STEEL	5434.01	2.23
PH-31	GAS - 2" STEEL	5434.39	2.23
PH-32	GAS - 2" STEEL	5442.53	1.23
PH-33	N/A	5442.57	1.25
PH-34	GAS - 2" STEEL	5442.42	1.82
PH-39	WATER - 2" STEEL SANITARY SEWER - 6" CLAY	5434.64	4.72



**GENERAL NOTES:**  
 ALL STATIONING IS TO BE SET ALONG THE CENTERLINE OF STREETS, AND WILL BE USED TO DETERMINE THE LOCATION OF FIRE HYDRANTS, CULVERTS, ETC.  
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**ALIGNMENT - MAYO-KEEN STREET**  
 STA 0+00.00 TO 5+53.86

REVISIONS			
NO.	DESCRIPTION	DATE	BY



221 N. Marina St.  
 Suite 102  
 Prescott, AZ 86301  
 928.541.0443  
 928.541.1075 fax  
 www.swiaz.com

JOB NO:	17053.001
DATE:	APR 20
SCALE:	H 1:20 V 1:10
DRAWN:	MEB/SJV
DESIGN:	JRW
CHECKED:	GDB

MILE HIGH PARK WATERLINE REPLACEMENT  
 WATERLINE  
 MAYO-KEEN ST 0+00 TO 5+53.86

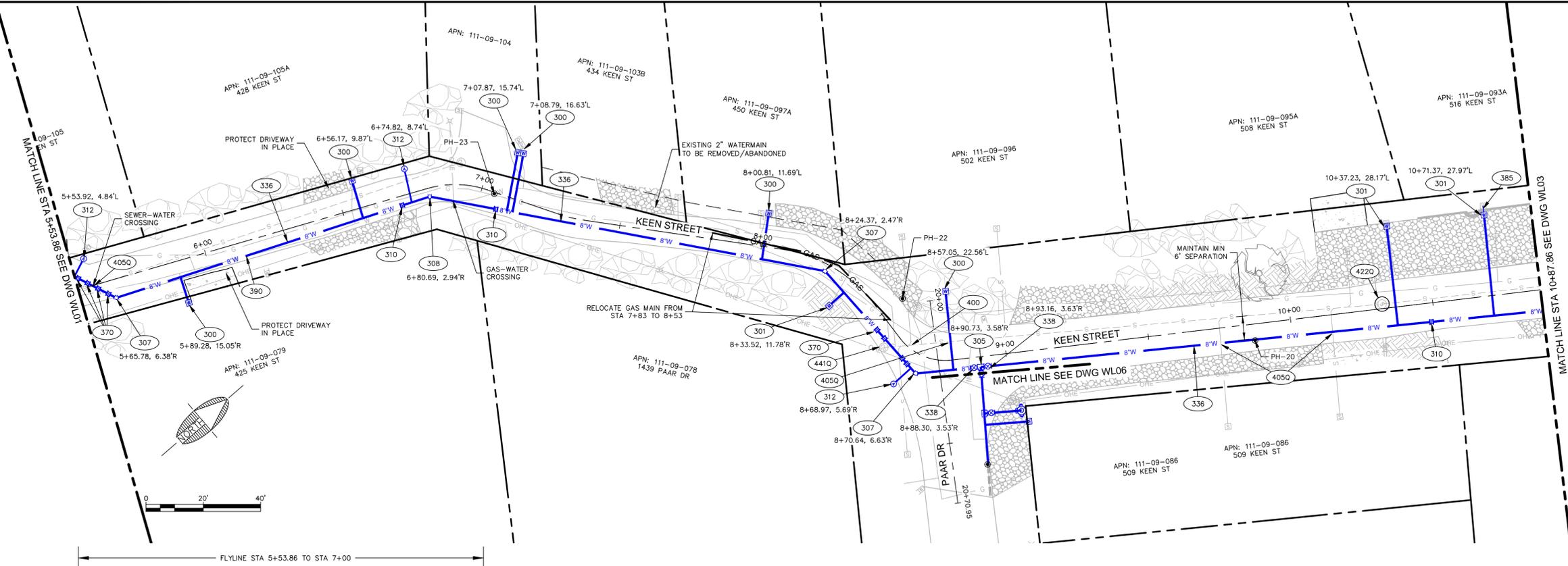
PRESCOTT ARIZONA

DRAWING NO. **WLO1**

SHT NO. 14 OF 27

PLOTTED: Apr 30, 2020 - 3:03pm

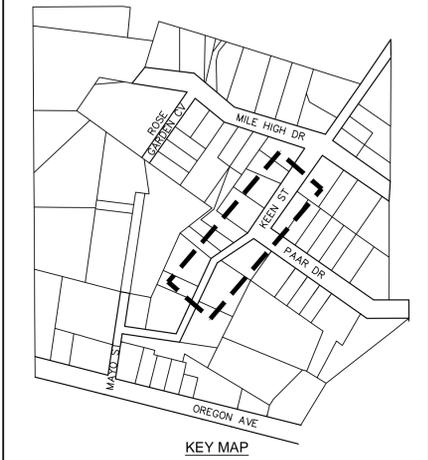
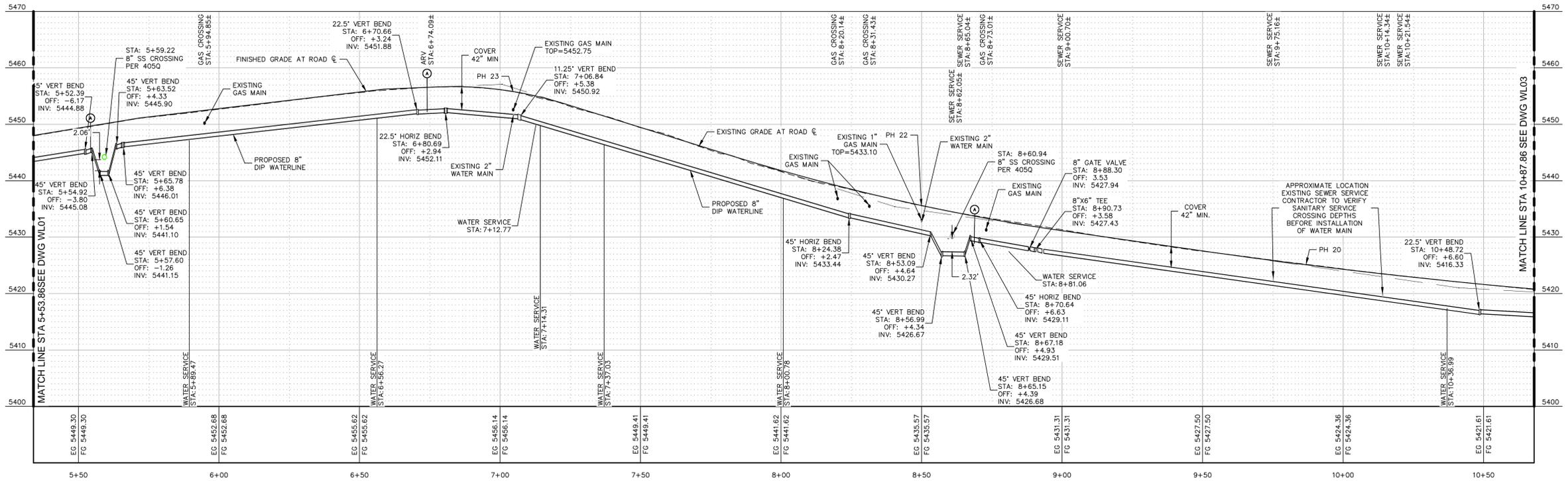
FILE: P:\2017\17053.001 COP FY 19 Small Water-Mile High Park\Drawings\Construction Plans\WLDwg SW-C30-1B



**CONSTRUCTION NOTES**

- 300 INSTALL 1" DIA. WATER SERVICE CONNECTION PER C.O.P. STD. DTL 316P.
- 301 INSTALL 1" DIA. WATER SERVICE CONNECTION PER C.O.P. STD. DTL 316P USING TRAFFIC RATED BOX PER C.O.P. STD. DTL 319
- 305 INSTALL TEE PER C.O.P. REQUIREMENTS.
- 307 INSTALL 45° BEND PER C.O.P. REQUIREMENTS.
- 308 INSTALL 22.5° BEND PER C.O.P. REQUIREMENTS.
- 309 INSTALL 11.25° BEND PER C.O.P. REQUIREMENTS.
- 310 INSTALL VERTICAL BEND PER MAG STD DTL 380.
- 312 INSTALL 1" COMBINATION AIR RELEASE VALVE PER Q.C. STD. DTL 3170-1 ON SHEET C03.
- 336 INSTALL NEW 8" DIP, CL350 WATERLINE PER THE TECHNICAL SPECIFICATIONS AND THE DETAILS ON SHEET C04. ALL PIPE AND FITTING JOINTS TO BE FULLY RESTRAINED USING MEG-A-LUG, FIELD LOC OR EQUIVALENT PIPE RESTRAINTS FOR ENTIRE LENGTH OF WATERLINE INSTALLATION.
- 338 INSTALL 8" GATE VALVE (INCLUDING VALVE BOX AND COVER) PER C.O.P., STD. DTL 340 AND C.O.P. STD. 610 ADJUST BOX TO FINISH GRADE PER C.O.P. STD. DTL 391-1 & 2. THRUST BLOCK PER C.O.P. STD. DTL 301.
- 370 VERTICAL REALIGNMENT OF WATER PER Q.C. STD. DTL 3700.
- 385 CONNECT EXISTING SERVICE TO METER WITH 1" DIA. MUNICIPEX MUNICIPAL WATER SERVICE PIPE OR APPROVED EQUAL.
- 390 INSTALL TEMPORARY WATER MAIN (FLYLINE), STATION 5+53.86 TO STATION 10+76.12.
- 400 REPLACE SEWER LINE (SDR-35) INCLUDING ALL APPURTENANCES PER C.O.P. TECHNICAL SPECIFICATIONS. TRENCHING AND BACKFILL PER Q.C. STD. DTL 2000-1.
- 405Q REPLACE BROKEN SEWER LINE PER CITY OF PRESCOTT STANDARD DRAWING 405Q AS NEEDED.
- 4220 ADJUST SANITARY MANHOLE FRAME PER QUAD CITY DETAIL 4220.
- 4410 INSTALL SEWER CLEANOUT PER Q.C. STD. DTL 4410.

UTILITY POTHOLE LOG			
POTHOLE NUMBER	UTILITY	ELEVATION AT TOP	DEPTH, FT
PH-20	N/A	5422.42	3
PH-22	GAS - 1" STEEL WATER - 2" STEEL	5433.1 5432.97	1.95 2.08
PH-23	GAS - 1" STEEL IN 4" PVC SLEEVE WATER - 2" STEEL	5452.75 5451.83	2.88 3.80



**GENERAL NOTES:**  
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**ALIGNMENT - MAYO-KEEN STREET**  
 STA 5+34.00 TO 10+68.00

Call at least two full working days before you begin excavation.

Arizona Blue Stake, Inc.  
 Dial 8-1-1 or 1-800-STAKE-11 (782-5348)

REVISIONS			
NO.	DESCRIPTION	DATE	BY

221 N. Marina St.  
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 928.541.1075 fax  
 www.swiaz.com

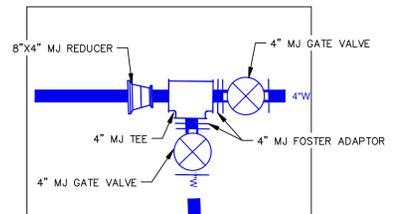
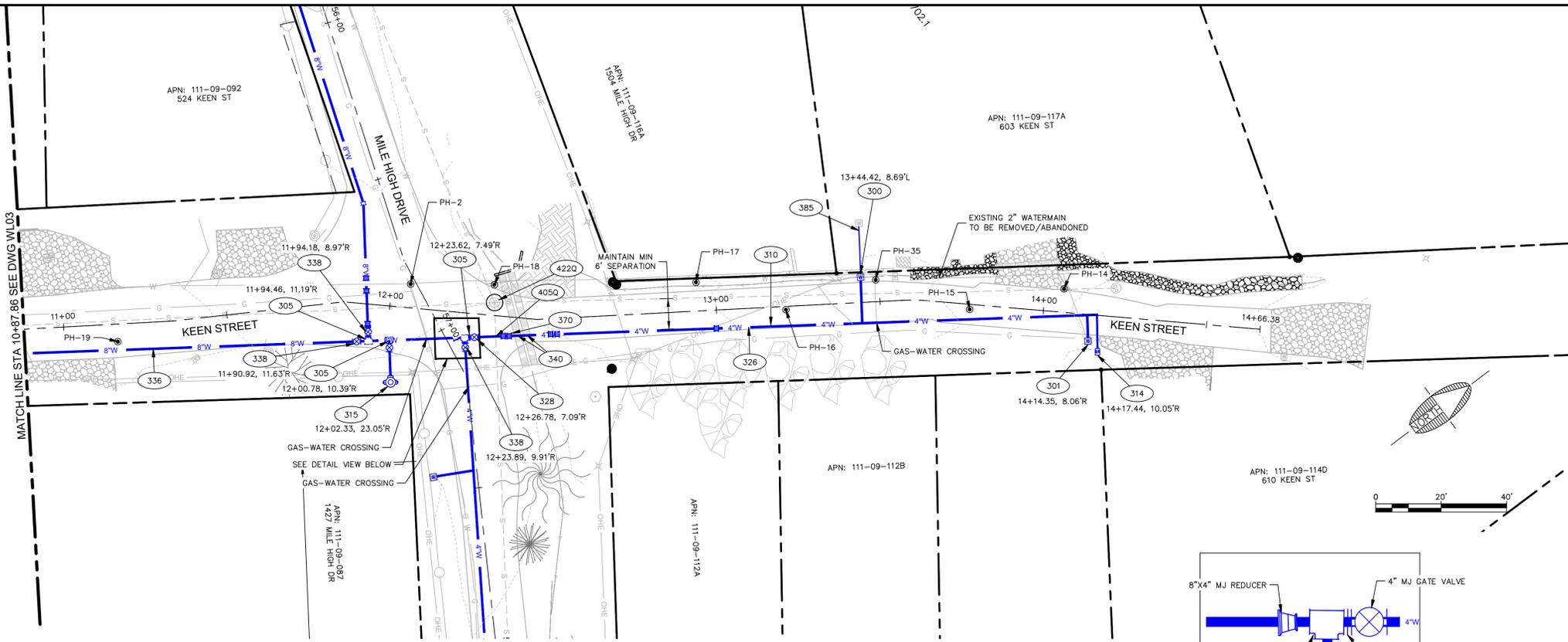
JOB NO:	17053.001
DATE:	APR 20
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MILE HIGH PARK WATERLINE REPLACEMENT  
 WATERLINE  
 MAYO-KEEN ST-STA 5+53.86 TO 10+87.86

PRESCOTT ARIZONA

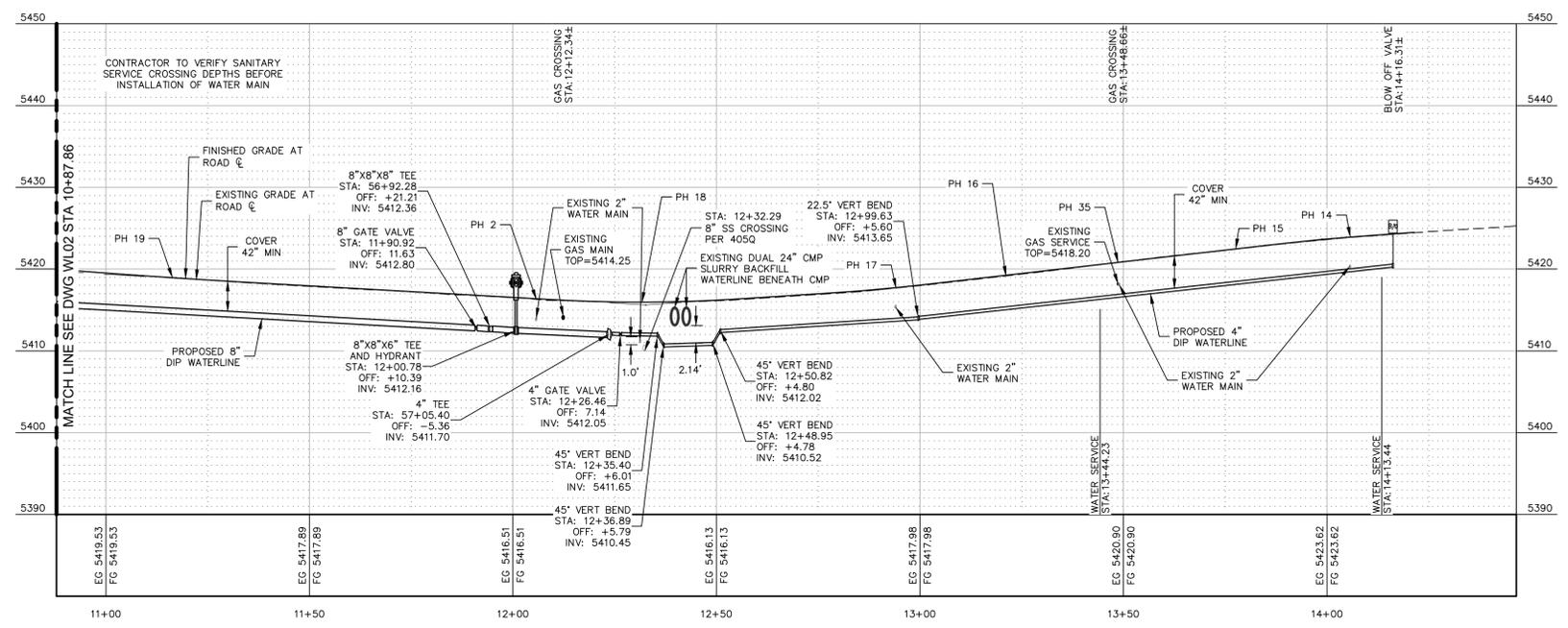
DRAWING NO. **WL02**

SHT NO. 15 OF 27



**CONSTRUCTION NOTES**

- 300 INSTALL 1" DIA. WATER SERVICE CONNECTION PER C.O.P. STD. DTL. 316P.
- 301 INSTALL 1" DIA. WATER SERVICE CONNECTION PER C.O.P. STD. DTL. 316P USING TRAFFIC RATED BOX PER C.O.P. STD. DTL. 319.
- 305 INSTALL TEE PER C.O.P. REQUIREMENTS.
- 310 INSTALL VERTICAL BEND PER C.O.P. REQUIREMENTS.
- 314 INSTALL END OF LINE BLOW-OFF VALVE USING TRAFFIC RATED BOX PER QUAD CITY STD. DTL. 390.
- 315 INSTALL NEW FIRE HYDRANT PER Q.C. STD. DTL. 360Q & 362Q ON SHEET C04.
- 319 INSTALL END CAP PER C.O.P. REQUIREMENTS.
- 326 INSTALL NEW 4" DIP, CL350 WATERLINE PER THE TECHNICAL SPECIFICATIONS AND THE DETAILS ON SHEET C04. ALL PIPE AND FITTING JOINTS TO BE FULLY RESTRAINED USING MEG-A-LUG, FIELD LOC OR EQUIVALENT PIPE RESTRAINTS FOR ENTIRE LENGTH OF WATERLINE INSTALLATION.
- 328 INSTALL 4" GATE VALVE (INCLUDING VALVE BOX AND COVER) PER C.O.P. STD. DTL. 340 AND C.O.P. STD. 610 ADJUST BOX TO FINISH GRADE PER C.O.P. STD. DTL. 391-1 & 2. THRUST BLOCK PER C.O.P. STD. DTL. 301.
- 336 INSTALL NEW 8" DIP, CL350 WATERLINE PER THE TECHNICAL SPECIFICATIONS AND THE DETAILS ON SHEET C04. ALL PIPE AND FITTING JOINTS TO BE FULLY RESTRAINED USING MEG-A-LUG, FIELD LOC OR EQUIVALENT PIPE RESTRAINTS FOR ENTIRE LENGTH OF WATERLINE INSTALLATION.
- 338 INSTALL 8" GATE VALVE (INCLUDING VALVE BOX AND COVER) PER C.O.P. STD. DTL. 340 AND C.O.P. STD. 610 ADJUST BOX TO FINISH GRADE PER C.O.P. STD. DTL. 391-1 & 2. THRUST BLOCK PER C.O.P. STD. DTL. 301.
- 340 PROTECT STORM CROSSING.
- 370 VERTICAL REALIGNMENT OF WATER PER Q.C. STD. DTL. 370Q.
- 385 CONNECT EXISTING SERVICE TO METER WITH 1" DIA. MUNICIPEX® MUNICIPAL WATER SERVICE PIPE OR APPROVED EQUAL.
- 405Q REPLACE BROKEN SEWER LINE PER CITY OF PRESCOTT STANDARD DRAWING 405Q AS NEEDED.
- 422Q ADJUST SANITARY MANHOLE FRAME PER QUAD CITY DETAIL 422Q.



**ALIGNMENT - MAYO-KEEN STREET**  
STA 10+87.86 TO 14+66.51

UTILITY POTHOLE LOG			
POTHOLE NUMBER	UTILITY	ELEVATION AT TOP	DEPTH, FT
PH-2	GAS- 2" STEEL WATER- 2" STEEL	5414.63 5414.03	1.9 2.5
PH-14	WATER- 1" COPPER SVC WATER- 2" STEEL	5421.2 5420.48	2.5 3.22
PH-15	N/A	5418.7	3.65
PH-16	N/A	5415.2	3.88
PH-17	WATER- 2" STEEL	5415.57	2
PH-18	WATER- 2" STEEL	5411.34	4.36
PH-19	N/A	5414.11	5
PH-35	WATER- 2" STEEL GAS- 1/2" POLY	5418.3 5418.2	2.5 2.6



**GENERAL NOTES:**  
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REVISIONS			
NO.	DESCRIPTION	DATE	BY



JOB NO:	17053.001
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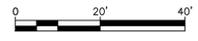
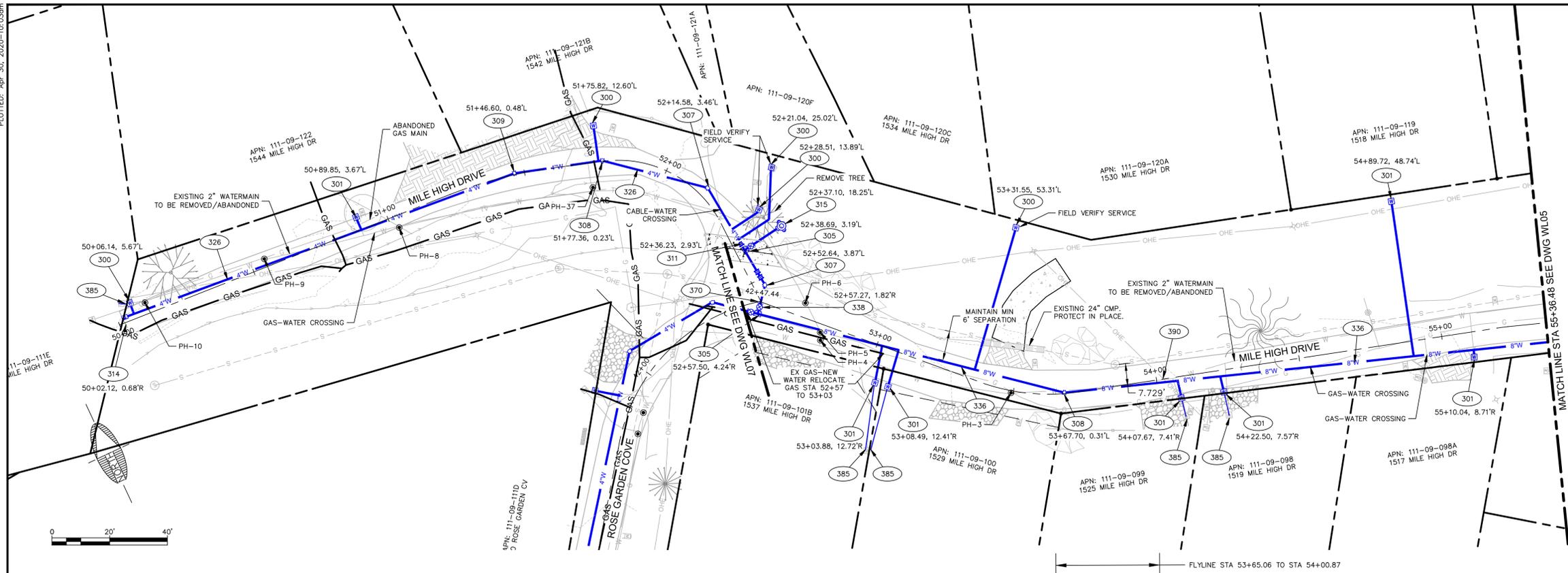
MILE HIGH PARK WATERLINE REPLACEMENT  
PRESCOTT ARIZONA  
**WATERLINE**  
MAYO-KEEN ST-STA 10+87.86 TO 14+66.38

DRAWING NO. **WL03**

SHT NO. **16** OF **27**

PLOTTED: Apr 30, 2020-10:03am

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**CONSTRUCTION NOTES**

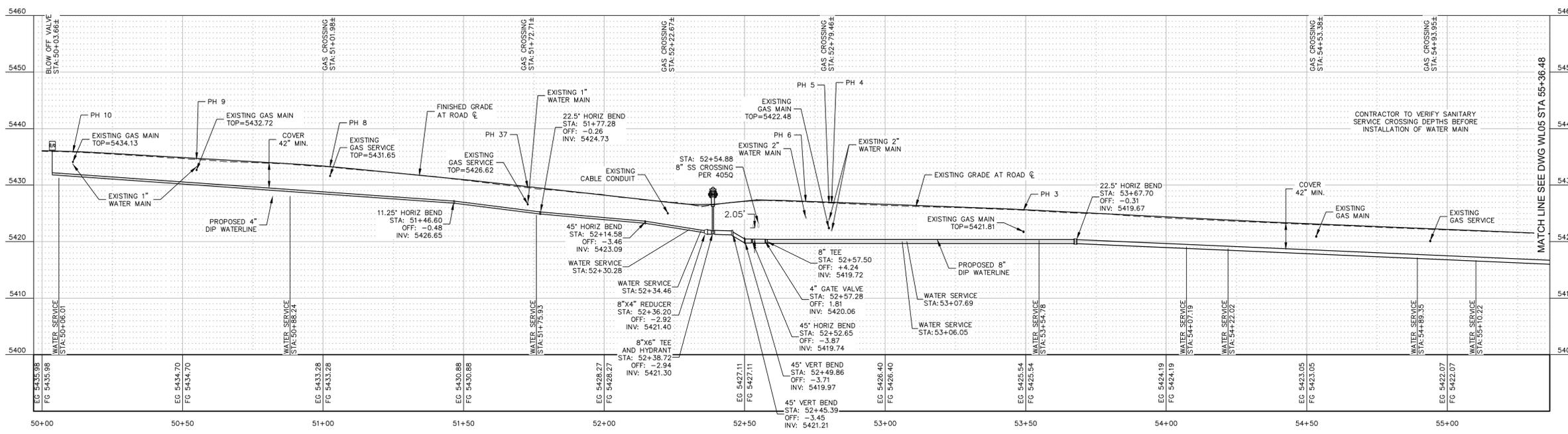
- 300 INSTALL 1" DIA. WATER SERVICE CONNECTION PER C.O.P. STD. DTL. 316P.
- 301 INSTALL 1" DIA. WATER SERVICE CONNECTION PER C.O.P. STD. DTL. 316P USING TRAFFIC RATED BOX PER C.O.P. STD. DTL. 319.
- 305 INSTALL TEE PER C.O.P. REQUIREMENTS.
- 307 INSTALL 45° BEND PER C.O.P. REQUIREMENTS.
- 308 INSTALL 22.5° BEND PER C.O.P. REQUIREMENTS.
- 309 INSTALL 11.25° BEND PER C.O.P. REQUIREMENTS.
- 311 INSTALL 8"x4" REDUCER PER C.O.P. REQUIREMENTS.
- 314 INSTALL END OF LINE BLOW-OFF VALVE USING TRAFFIC RATED BOX PER QUAD CITY STD DTL 390
- 315 INSTALL NEW FIRE HYDRANT PER Q.C. STD. DTL. 360Q & 362Q ON SHEET CO4.
- 319 INSTALL END CAP PER C.O.P. REQUIREMENTS.
- 326 INSTALL NEW 4" DIP, CL350 WATERLINE PER THE TECHNICAL SPECIFICATIONS AND THE DETAILS ON SHEET CO4. ALL PIPE AND FITTING JOINTS TO BE FULLY RESTRAINED USING MEG-A-LUG, FIELD LOC OR EQUIVALENT PIPE RESTRAINTS FOR ENTIRE LENGTH OF WATERLINE INSTALLATION.
- 328 INSTALL 4" GATE VALVE (INCLUDING VALVE BOX AND COVER) PER C.O.P. STD. DTL. 340 AND C.O.P. STD. 610 ADJUST BOX TO FINISH GRADE PER C.O.P. STD. DTL. 391-1 & 2. THRUST BLOCK PER C.O.P. STD. DTL. 301.
- 336 INSTALL NEW 8" DIP, CL350 WATERLINE PER THE TECHNICAL SPECIFICATIONS AND THE DETAILS ON SHEET CO4. ALL PIPE AND FITTING JOINTS TO BE FULLY RESTRAINED USING MEG-A-LUG, FIELD LOC OR EQUIVALENT PIPE RESTRAINTS FOR ENTIRE LENGTH OF WATERLINE INSTALLATION.
- 338 INSTALL 8" GATE VALVE (INCLUDING VALVE BOX AND COVER) PER C.O.P. STD. DTL. 340 AND C.O.P. STD. 610 ADJUST BOX TO FINISH GRADE PER C.O.P. STD. DTL. 391-1 & 2. THRUST BLOCK PER C.O.P. STD. DTL. 301.
- 370 VERTICAL REALIGNMENT OF WATER PER Q.C. STD. DTL. 370Q.
- 385 CONNECT EXISTING SERVICE TO METER WITH 1" DIA. MUNICIPEX MUNICIPAL WATER SERVICE PIPE OR APPROVED EQUAL.
- 390 INSTALL TEMPORARY WATER MAIN (FLYLINE), STATION 50+00 TO STATION 55+34.00.
- 4050 REPLACE BROKEN SEWER LINE PER CITY OF PRESCOTT STANDARD DRAWING 405Q AS NEEDED.

**UTILITY POTHOLE LOG**

POTHOLE NUMBER	UTILITY	ELEVATION AT TOP	DEPTH, FT
PH-3	GAS - 2" POLY	5421.81	3.76
PH-4	WATER - 2" COPPER	5422.19	4.64
PH-5	WATER - 2" STEEL	5424.07	2.82
PH-5	GAS - 2" POLY	5422.48	4.41
PH-6	WATER - 2" STEEL	5424.43	2.4
PH-8	GAS - 1" STEEL	5431.65	1.37
PH-9	WATER - 1" COPPER	5433.33	1.11
PH-9	GAS - 1" STEEL	5432.72	1.72
PH-10	GAS - 1" STEEL	5434.13	1.91
PH-10	WATER - 1" COPPER	5433.78	2.26
PH-37	WATER - 1" STEEL	5427	2.22
PH-37	GAS - 1" STEEL	5426.62	2.6



**GENERAL NOTES:**  
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**ALIGNMENT - MILE HIGH DRIVE**  
 STA 49+97.00 TO 55+36.48



REVISIONS			
NO.	DESCRIPTION	DATE	BY



221 N. Marina St.  
 Suite 102  
 Prescott, AZ 86301  
 928.541.0443  
 928.541.1075 fax  
 www.swiaz.com

JOB NO:	17053.001
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DRAWN:	MEB/SJV
DESIGN:	JRW
CHECKED:	GDB

MILE HIGH PARK WATERLINE REPLACEMENT

**WATERLINE**  
 MILE HIGH DR-STA 50+00 TO 55+36.48

PRESCOTT ARIZONA

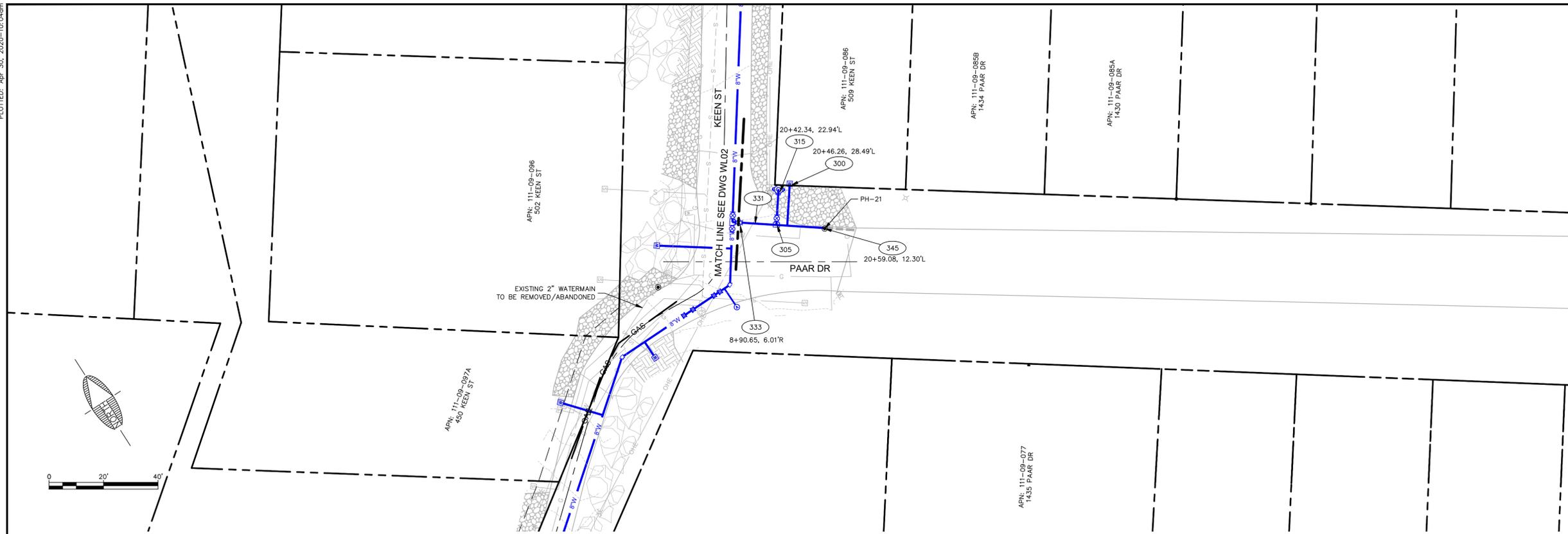


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**WL04**  
 SHT NO. OF  
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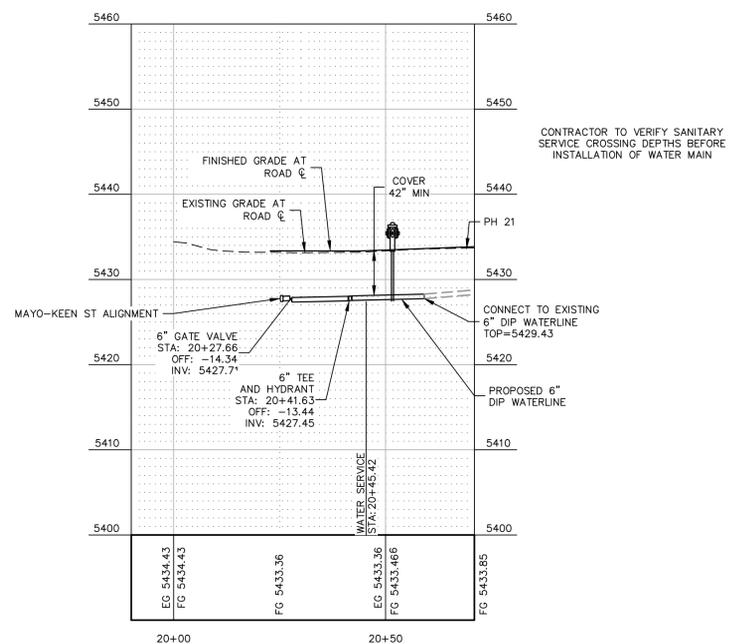
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)



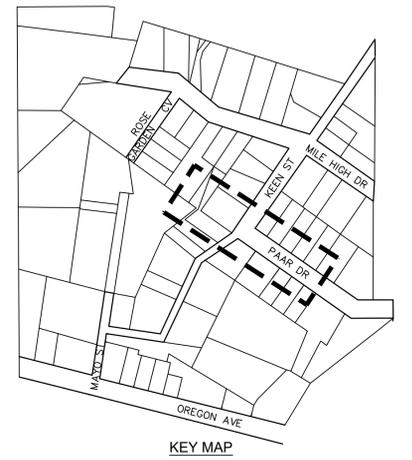
**CONSTRUCTION NOTES**

- 300 INSTALL 1" DIA. WATER SERVICE CONNECTION PER C.O.P. STD. DTL. 316P.
- 305 INSTALL TEE PER C.O.P. PER C.O.P. REQUIREMENTS.
- 315 INSTALL NEW FIRE HYDRANT PER Q.C. STD. DTL. 360Q & 362Q ON SHEET C04.
- 331 INSTALL 6" WATER LINE (C-900/CLASS 200 DIP) COMPLETE INCLUDING ALL APPURTENANCES PER C.O.P. STD. 610. TRENCHING & BACKFILL PER C.O.P. STD. 601.
- 333 INSTALL 6" GATE VALVE (INCLUDING VALVE BOX AND COVER) PER C.O.P. STD. DTL. 340 AND C.O.P.. STD. 610 ADJUST BOX TO FINISH GRADE PER C.O.P.. STD. DTL. 391-1 & 2. THRUST BLOCK PER C.O.P. STD. DTL. 301.
- 345 INSTALL CONNECTION TO THE EXISTING 6" WATERLINE. INCLUDES BARREL SLEEVE, REVERSE THRUST BLOCK PER QC STD. DTL. 303Q-4 ON SHEET C03. PROVIDE A TEMPORARY BLOWOFF PER QC STD. DTL. 318P ON SHEET C03 FOR WATER LINE TESTING.

UTILITY POTHOLE LOG			
POTHOLE NUMBER	UTILITY	ELEVATION AT TOP	DEPTH, FT
PH-21	WATER - 6" DIP	5429.43	3.75



ALIGNMENT - PAAR DRIVE  
STA 19+90.00 TO 20+70.95



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REVISIONS			
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DRAWN:	MEB/SJV
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CHECKED:	GDB

MILE HIGH PARK WATERLINE REPLACEMENT

PRESCOTT ARIZONA

**WATERLINE**  
PAAR DR-STA 20+00 TO 20+70.95



DRAWING NO.

**WL06**

SHT NO. OF  
19 27



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



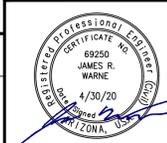
221 N. Marina St.  
Suite 102  
Prescott, AZ 86301  
928.541.0443  
928.541.1075 fax  
www.swiaz.com

JOB NO: 17053.001  
DATE: APR 20  
SCALE: H 1:20 V 1:10  
DRAWN: MEB/SJV  
DESIGN: JRW  
CHECKED: GDB

MILE HIGH PARK WATERLINE REPLACEMENT

PRESCOTT ARIZONA

WATERLINE  
ROSE GARDEN COVE-STA 40+00 TO 42+47.44



DRAWING NO.

WLO7

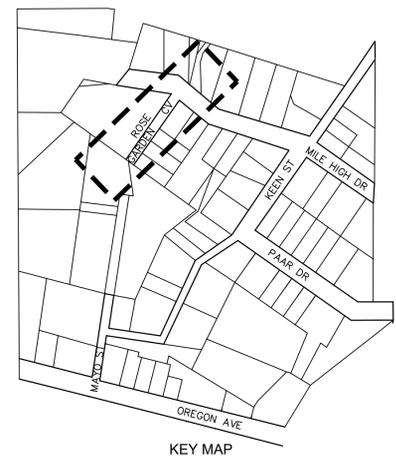
SHT NO. OF  
20 26

CONSTRUCTION NOTES

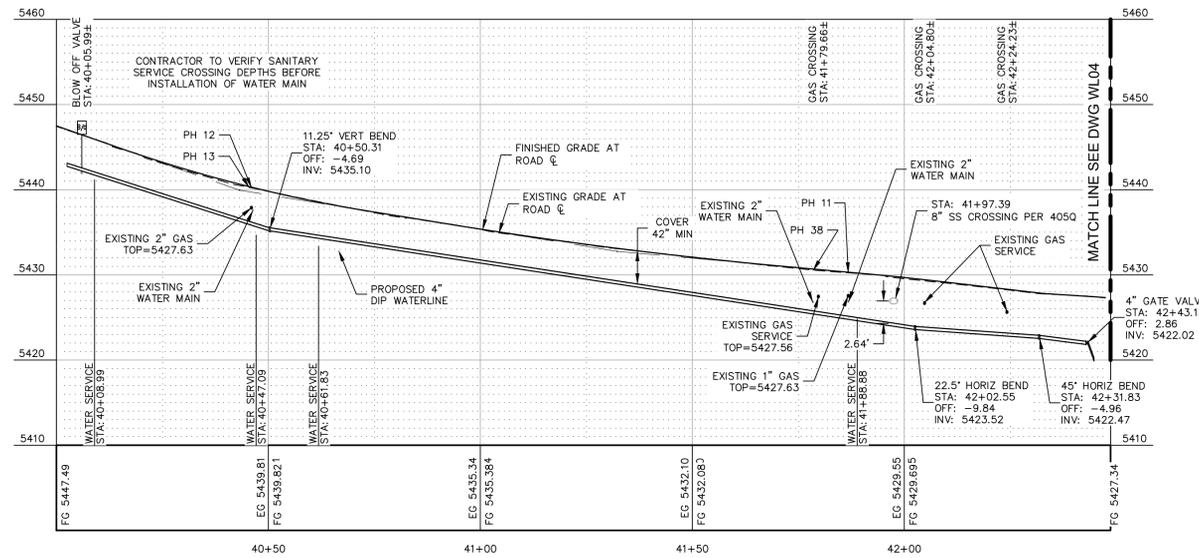
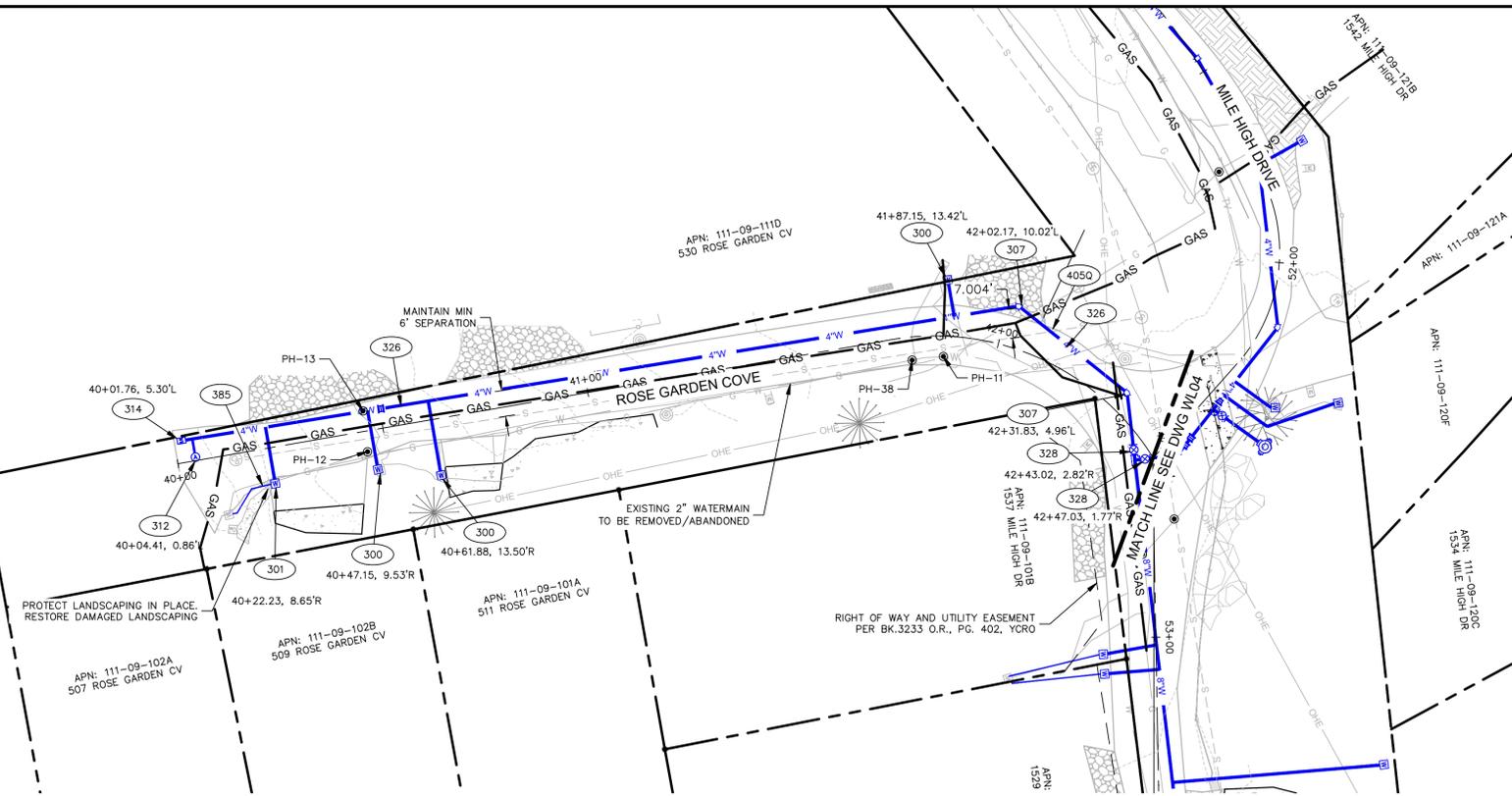
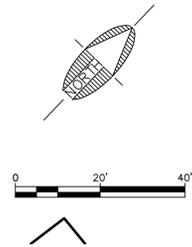
- 300 INSTALL 1" DIA. WATER SERVICE CONNECTION PER C.O.P. STD. DTL. 316P.
- 301 INSTALL 1" DIA. WATER SERVICE CONNECTION PER C.O.P. STD. DTL. 316P USING TRAFFIC RATED BOX PER C.O.P. STD. DTL. 319.
- 307 INSTALL 45° BEND PER C.O.P. PER C.O.P. REQUIREMENTS.
- 310 C.O.P. INSTALL VERTICAL BEND PER PER C.O.P. REQUIREMENTS.
- 312 INSTALL 1" COMBINATION AIR RELEASE VALVE PER Q.C. STD. DTL. 3170-1 ON SHEET C03.
- 314 INSTALL END OF LINE BLOW-OFF VALVE USING TRAFFIC RATED BOX PER QUAD CITY STD. DTL. 390.
- 326 INSTALL NEW 4" DIP, CL350 WATERLINE PER THE TECHNICAL SPECIFICATIONS AND THE DETAILS ON SHEET XXX. ALL PIPE AND FITTING JOINTS TO BE FULLY RESTRAINED USING MEG-A-LUG, FIELD LOC OR EQUIVALENT PIPE RESTRAINTS FOR ENTIRE LENGTH OF WATERLINE INSTALLATION.
- 328 INSTALL 4" GATE VALVE (INCLUDING VALVE BOX AND COVER) PER C.O.P. STD. DTL. 340 AND C.O.P. STD. 610 ADJUST BOX TO FINISH GRADE PER C.O.P. STD. DTL. 391-1 & 2. THRUST BLOCK PER C.O.P. STD. DTL. 301.
- 385 CONNECT EXISTING SERVICE TO METER WITH 1" DIA. MUNICIPEX® MUNICIPAL WATER SERVICE PIPE OR APPROVED EQUAL.
- 4050 REPLACE BROKEN SEWER LINE PER CITY OF PRESCOTT STANDARD DRAWING 405Q AS NEEDED.

UTILITY POTHOLE LOG

POTHOLE NUMBER	UTILITY	ELEVATION AT TOP	DEPTH, FT
PH-11	GAS - 1" STEEL WATER - 2" STEEL	5427.63 5426.96	2.53 3.2
PH-12	GAS - 2" STEEL WATER - 2" STEEL	5440.26	2.29 2.58
PH-13	N/A	5439.82	1.68
PH-21	WATER - 6" DIP	5429.43	3.75
PH-38	GAS - 1" STEEL GAS - 2" STEEL WATER - 2" STEEL	5427.56 5427.56 5426.91	2.95 2.95 3.6



GENERAL NOTES:  
ALL STATIONING TO BE SET ALONG THE CENTERLINE OF STREETS, AND WILL BE USED TO DETERMINE THE LOCATION OF FIRE HYDRANTS, CULVERTS, ETC.  
THE INFORMATION ON THESE CONSTRUCTION PLANS CONCERNING THE TYPE, SIZE & LOCATION OF UTILITIES HAS BEEN BASED ON THE BEST INFORMATION AVAILABLE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINATION OF EXACT LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. IT IS THE CONTRACTORS RESPONSIBILITY TO PROTECT ALL EXISTING UTILITIES, IN PLACE, UNLESS OTHERWISE NOTED OR SPECIFIED.

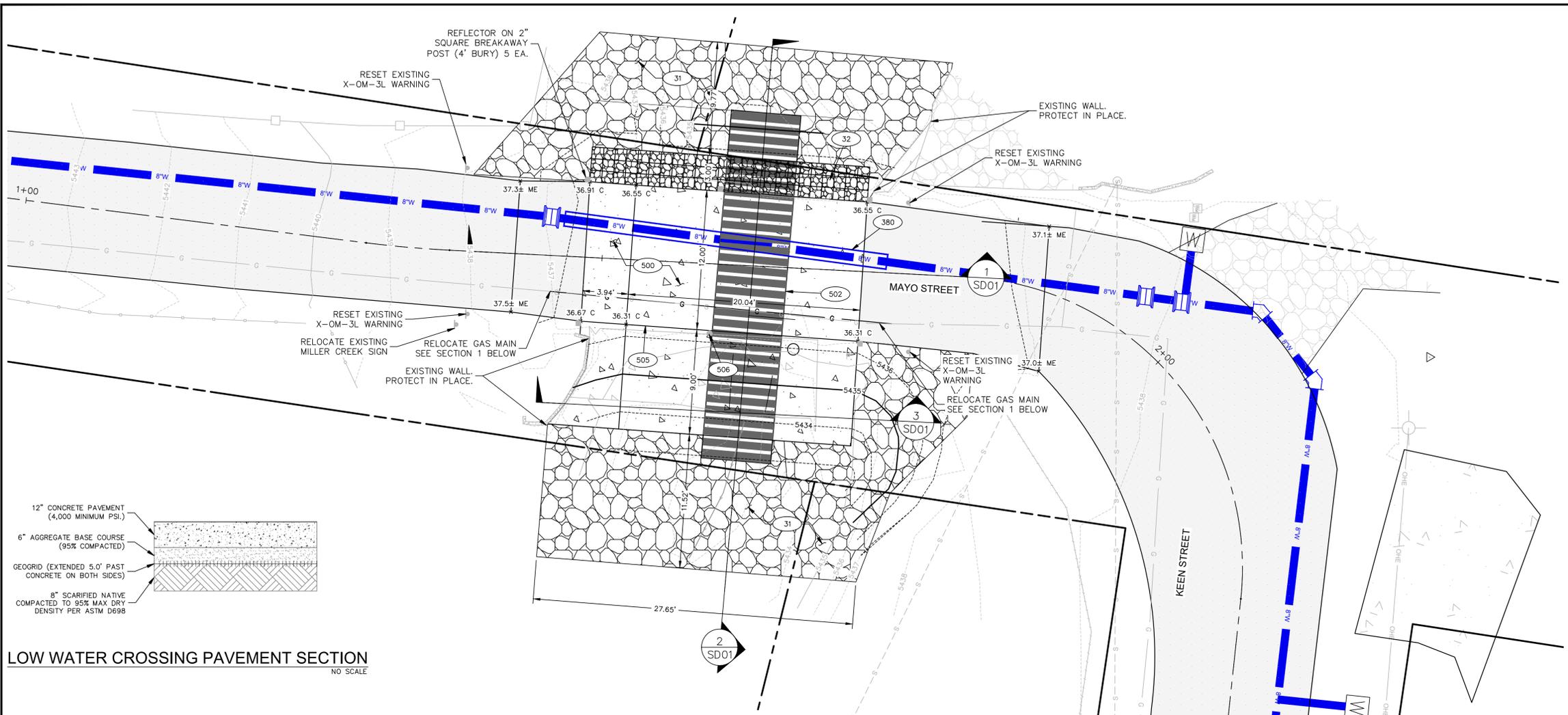


ALIGNMENT - ROSE GARDEN COVE  
STA 40+00.00 TO 42+48.68

REVISIONS			
NO.	DESCRIPTION	DATE	BY

PLOTTED: Apr 30, 2020-10:05am

FILE: P:\2017\17053.001 COP FY 19 SMALL WATER-MILE HIGH PARK WATERLINE REPLACEMENT PLANS\LOW WATER CROSSING.DWG JWARNE



**CONSTRUCTION NOTES**

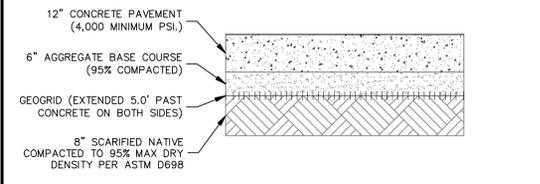
- 30 INSTALL D50=12" 24" THICK RIP RAP MATCH INVERT OF STEEL STORM PIPE.
- 31 INSTALL D50=12" 24" THICK RIP RAP IN PLACE OVER EXISTING GRADE.
- 32 INSTALL 3'x3'x2' GABION BASKETS PER M.A.G. STD. 555.
- 380 INSTALL 16" CASING PIPE PER M.A.G. SPECIFICATIONS SECTION 602.
- 500 INSTALL LOW WATER CROSSING PER PAVEMENT SECTION AND CROSS SECTIONS ON THIS SHEET.
- 502 INSTALL 6'x1.83' STEEL ARCH PER MANUFACTURERS RECOMMENDATIONS.
- 505 REPLACE EXISTING PIPE AND CABLE RAILING.
- 506 INSTALL DEPTH GAUGE PER M.A.G. STD. DTL. 552 AS MODIFIED IN DETAIL THIS SHEET, WITH A GALVANIZED SURFACE MOUNTED BREAKAWAY FLANGE.

**UTILITY COORDINATION**

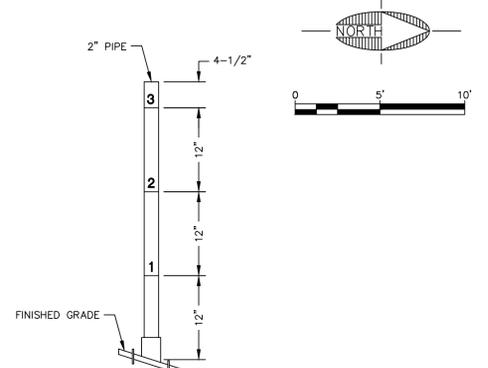
CONTRACTOR SHALL COORDINATE WITH UNISOURCE GAS COMPANY FOR RELOCATION OF EXISTING GAS MAIN. ALL EXCAVATION SHALL BE DONE BY THE CONTRACTOR. ALL WORK ON THE EXISTING GAS MAIN AND NEW RELOCATION SHALL BE DONE BY UNISOURCE.

**SCHEDULING COORDINATION**

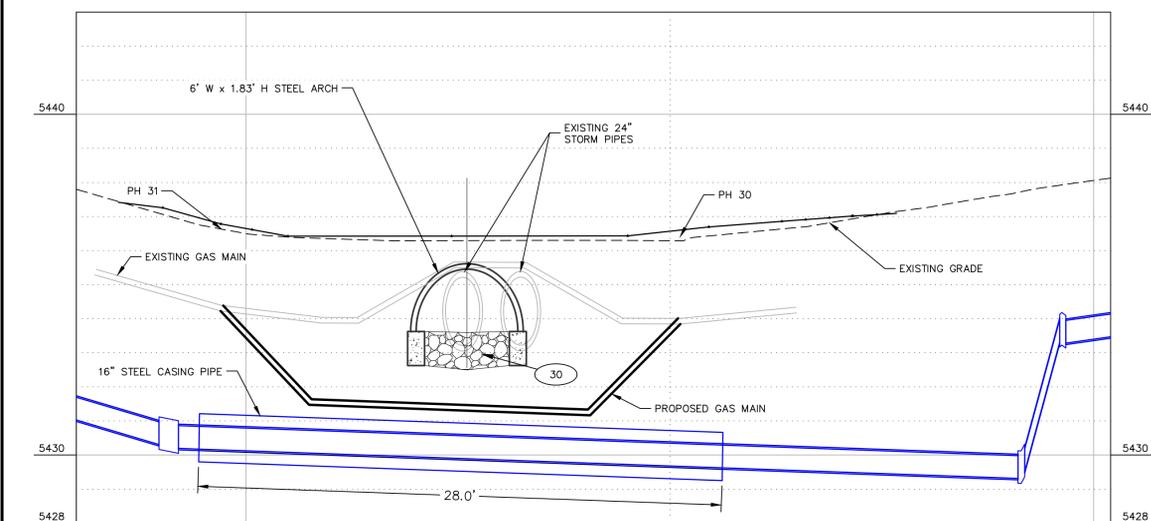
NO CONSTRUCTION ACTIVITIES SHALL TAKE PLACE WITHIN THE LOW WATER CROSSING FROM JULY 15 - SEPTEMBER 1.



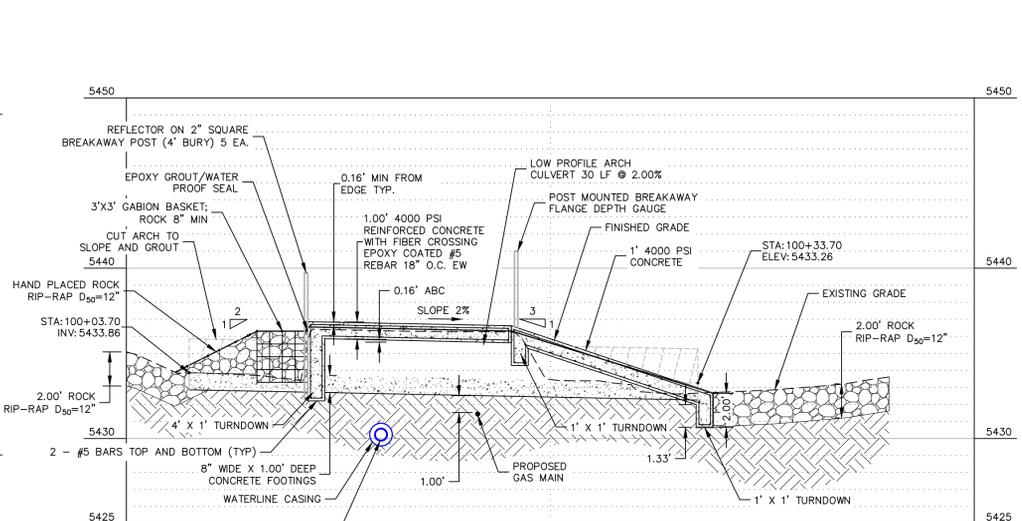
**LOW WATER CROSSING PAVEMENT SECTION**  
NO SCALE



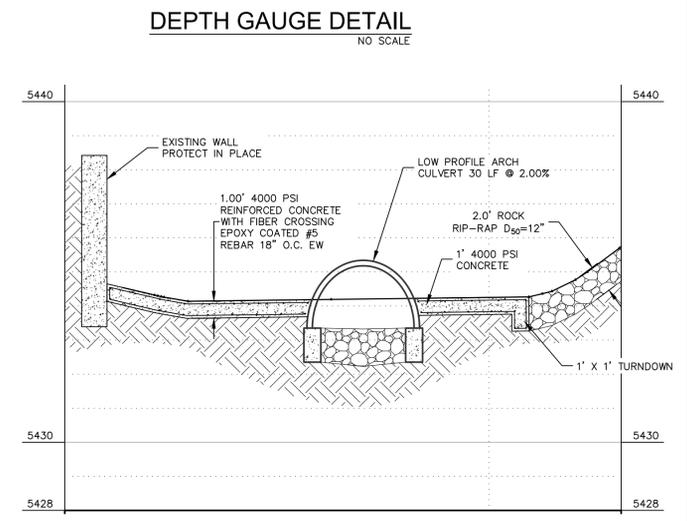
**DEPTH GAUGE DETAIL**  
NO SCALE



**LOW FLOW CROSSING 1**  
H: 1"=5' V: 1"=2.5'  
SD01



**LOW FLOW CROSSING 2**  
H: 1"=5' V: 1"=5'  
SD01



**LOW FLOW CROSSING 3**  
H: 1"=5' V: 1"=2.5'  
SD01

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

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221 N. Marina St.  
Suite 102  
Prescott, AZ 86301  
928.541.0443  
928.541.1075 fax  
www.swiaz.com

JOB NO:	17053.001
DATE:	APR 20
SCALE:	AS SHOWN
DRAWN:	MEB/SJV
DESIGN:	JRW
CHECKED:	GDB

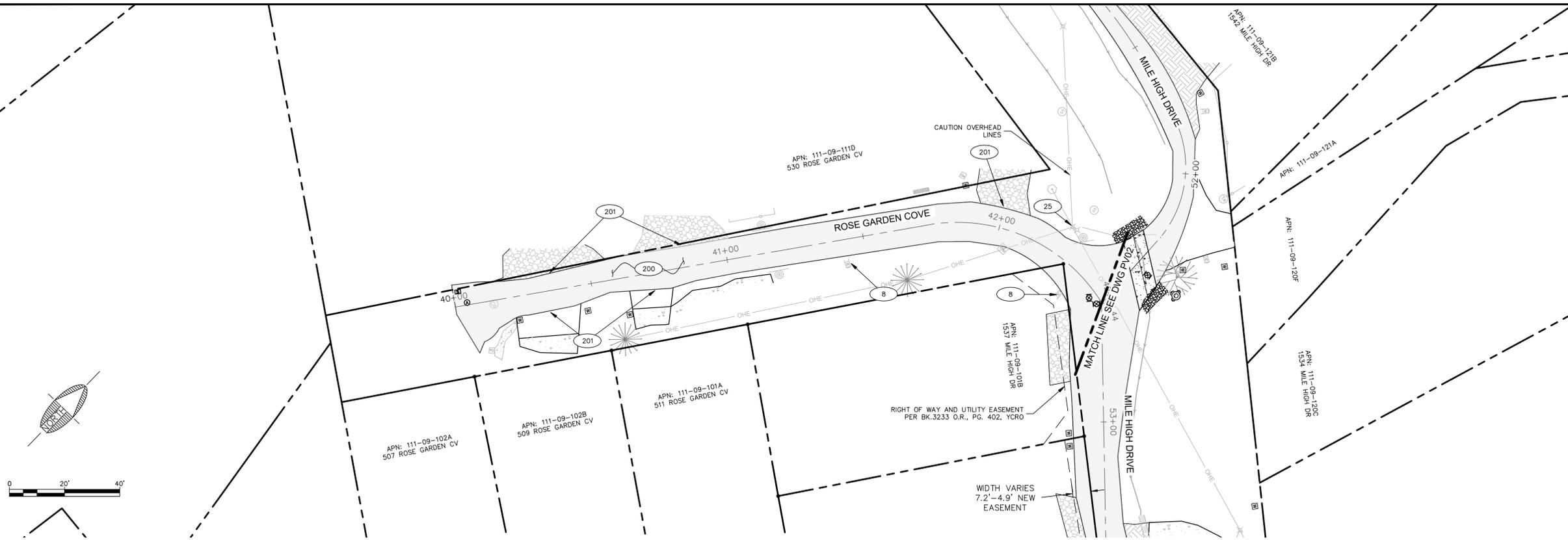
MILE HIGH PARK WATERLINE REPLACEMENT  
PRESCOTT ARIZONA

**LOW WATER CROSSING**

DRAWING NO.	
SD01	
SHT NO.	OF
21	27

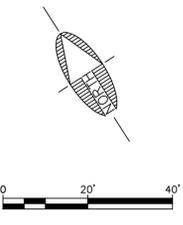
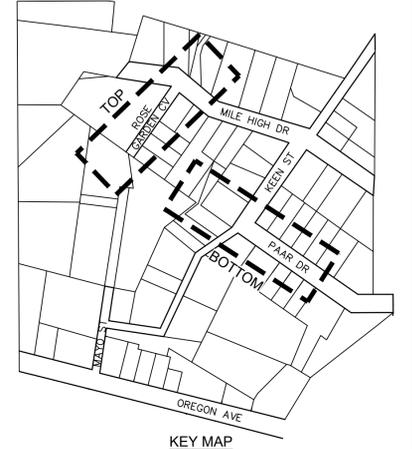
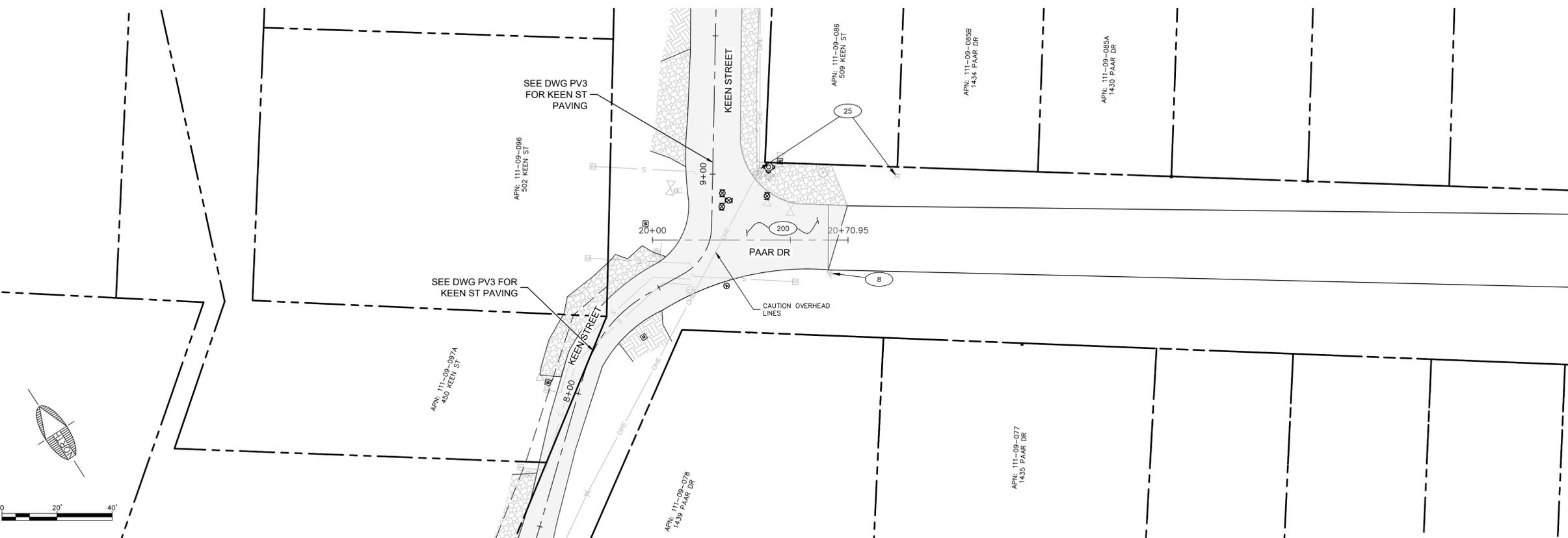
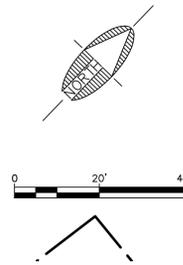
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FILE: P:\2017\17053.001 csp fy 19 small water-mile high park\Drawings\Construction plans\Surface Repairs.dwg SW-C30-18



**SURFACE REPAIR NOTES**

- 8 PROTECT EXISTING MAILBOX.
- 25 PROTECT EXISTING UTILITY POLE.
- 200 INSTALL AC PAVEMENT 4" THICK PMAC WITH REINFORCING FIBERS OVER 3" AGGREGATE BASE COURSE.
- 201 CRUSHED STONE AGGREGATE TO MATCH DRIVEWAYS TO PROPOSED PAVEMENT



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

REVISIONS			
NO.	DESCRIPTION	DATE	BY

**SWI**  
 Shephard Wesnitzer, Inc.

221 N. Marina St.  
 Suite 102  
 Prescott, AZ 86301  
 928.541.0443  
 928.541.1075 fax  
 www.swiaz.com

JOB NO: 17053.001  
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 SCALE: H 1:20 V 1:10  
 DRAWN: MEB/SJV  
 DESIGN: JRW  
 CHECKED: GDB

MILE HIGH PARK WATERLINE REPLACEMENT  
 PRESCOTT ARIZONA  
**SURFACE REPAIRS**  
 ROSE GARDEN COVE-STA 40+00 TO 42+48.68  
 PAAR DR-STA 20+00 TO 20+70.95



DRAWING NO.  
**PV01**  
 SHT NO. OF  
 22 27

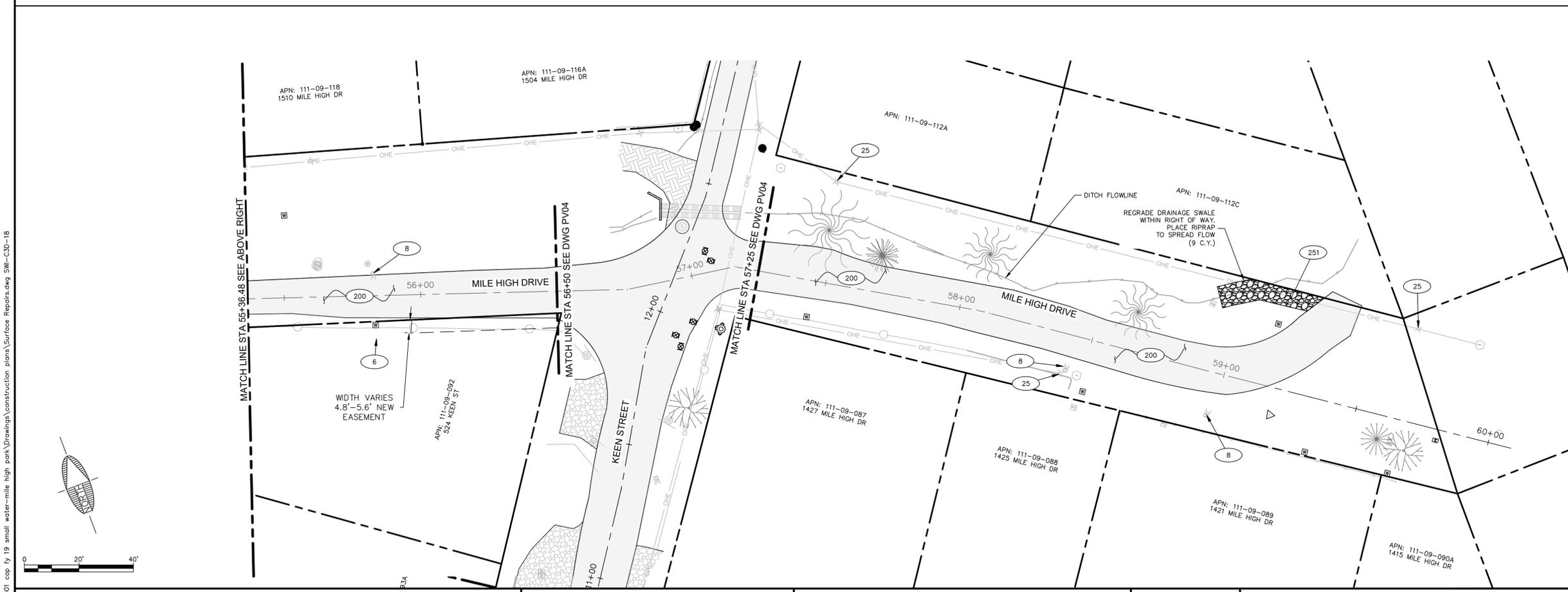
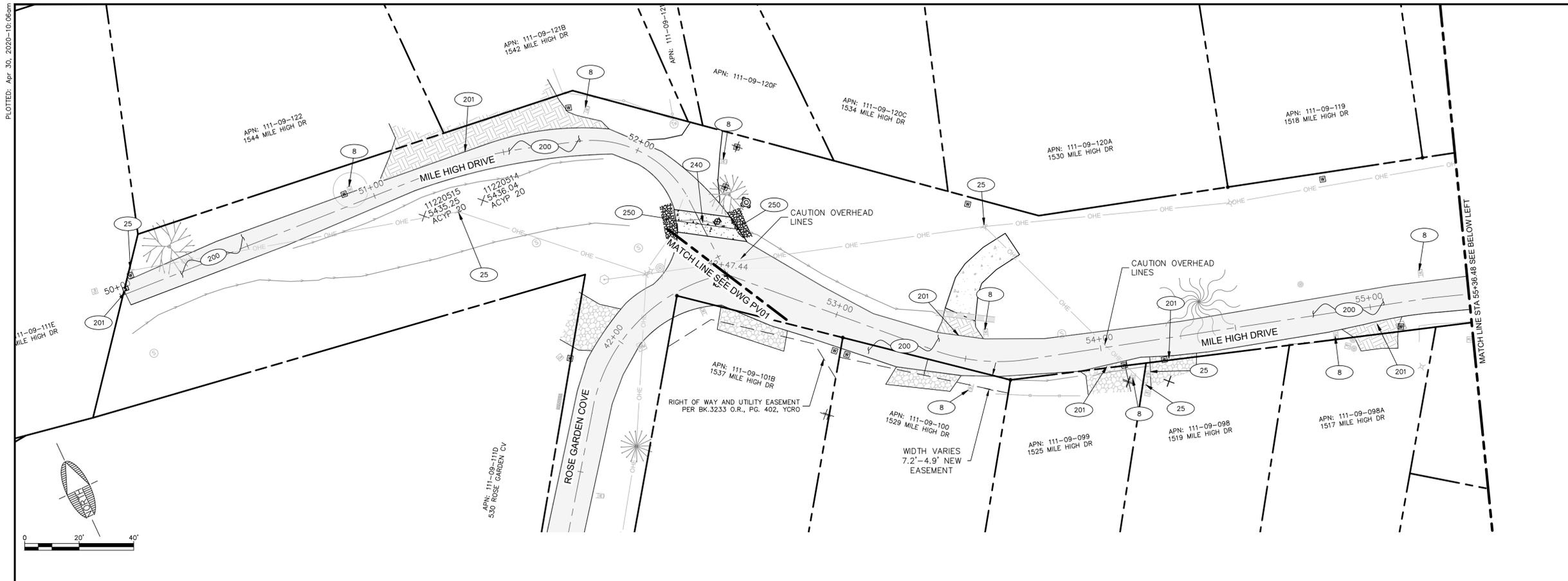
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FILE: P:\2017\17053.001.cop fy 19 small water-mile high park\Drawings\Construction plans\Surface Repairs.dwg SW-C30-18

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**SURFACE REPAIR NOTES**

- 8 PROTECT EXISTING MAILBOX.
- 25 PROTECT EXISTING UTILITY POLE.
- 200 INSTALL AC PAVEMENT 4" THICK PMAC WITH REINFORCING FIBERS OVER 3" AGGREGATE BASE COURSE.
- 201 3/4" CRUSHED STONE AGGREGATE TO MATCH DRIVEWAYS TO PROPOSED PAVEMENT.
- 240 INSTALL 12' CONCRETE VALLEY GUTTER PER QUAD CITY STD. DTL. 240Q-2.
- 250 INSTALL RIPRAP D50=8" 1.5' THICK OVER CONTECH FILTER FABRIC. 5.83 CY.
- 251 INSTALL D50=6" RIPRAP 12" THICK OVER CONTECH FILTER FABRIC. 9.40 C.Y.



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Shepard Wesnitzer, Inc.

221 N. Marina St.  
Suite 102  
Prescott, AZ 86301  
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CHECKED: GDB

MILE HIGH PARK WATERLINE REPLACEMENT

PRESCOTT ARIZONA

**SURFACE REPAIRS**  
MILE HIGH DR-STA 50+00 TO 60+00

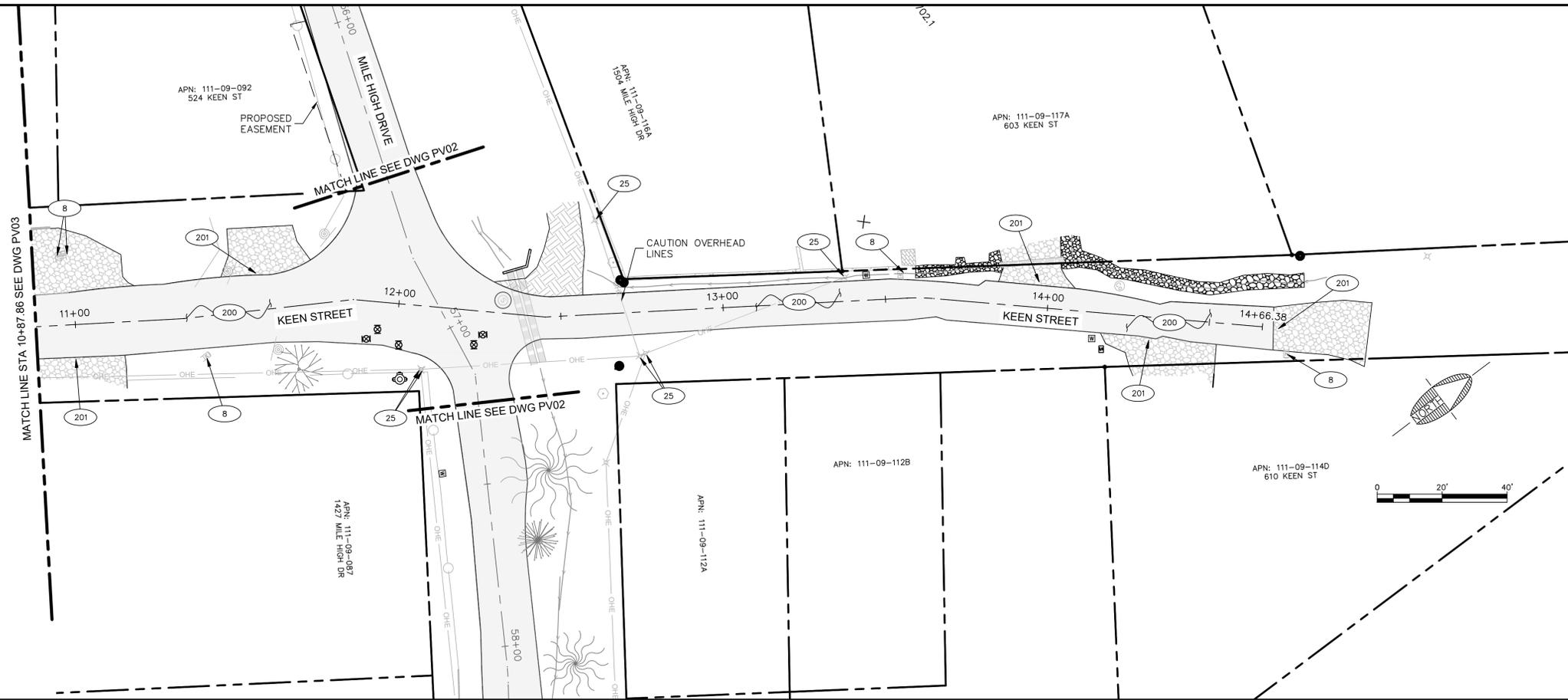


DRAWING NO.  
**PV02**

SHT NO. OF  
23 27

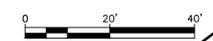


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Dial 8-1-1 or 1-800-STAKE-IT (782-5348)



**SURFACE REPAIR NOTES**

- 8 PROTECT EXISTING MAILBOX.
- 25 PROTECT EXISTING UTILITY POLE.
- 27 PROTECT EXISTING WALL IN PLACE.
- 200 INSTALL AC PAVEMENT 4" THICK PMAC WITH REINFORCING FIBERS OVER 3" AGGREGATE BASE COURSE.
- 201 3" CRUSHED STONE AGGREGATE TO MATCH DRIVEWAYS TO PROPOSED PAVEMENT.



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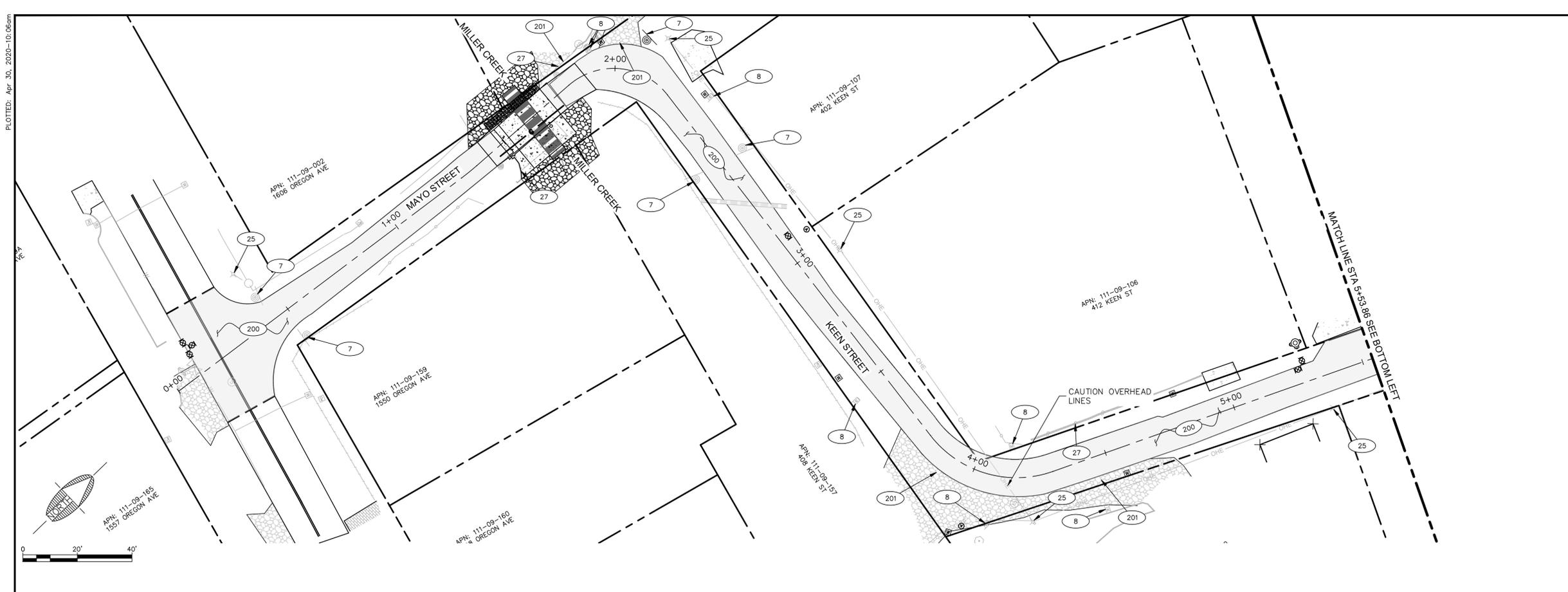
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DATE:	APR 20
SCALE:	H 1:20 V 1:10
DRAWN:	MEB/SJV
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CHECKED:	GDB

MILE HIGH PARK WATERLINE REPLACEMENT  
PRESCOTT ARIZONA  
**SURFACE REPAIRS**  
MAYO-KEEN ST 10+87.86 TO 14+66.38



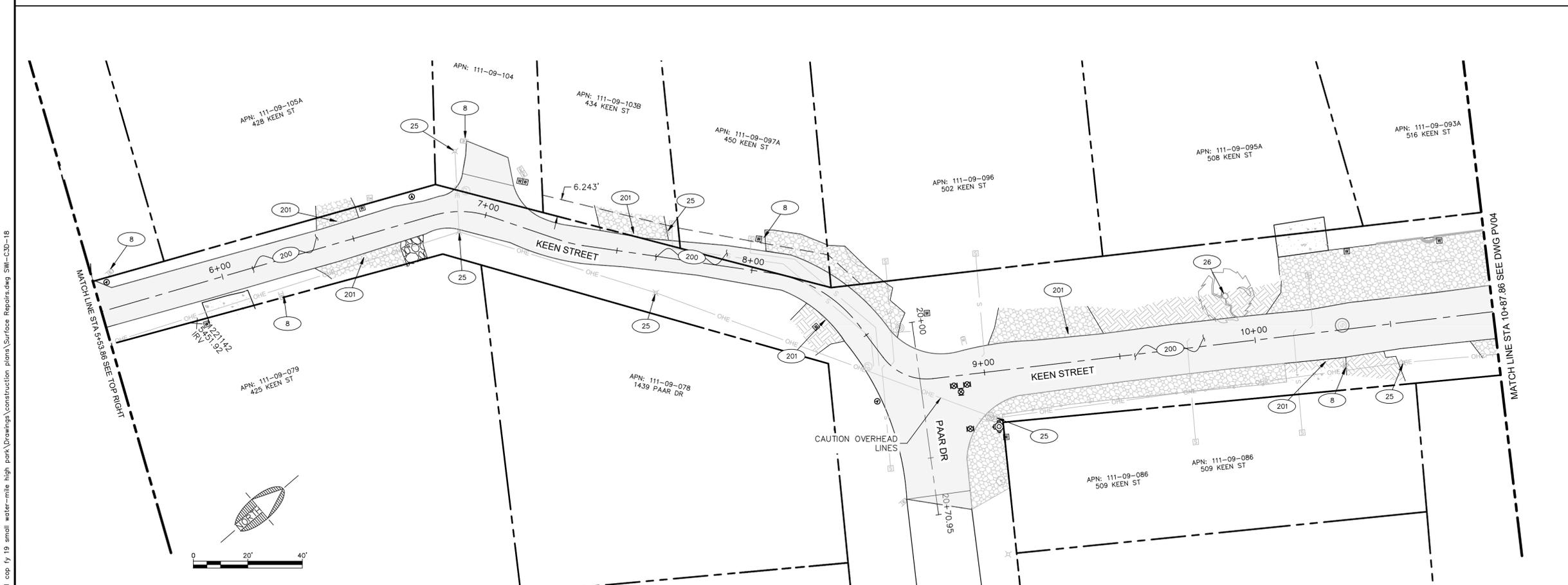
DRAWING NO.  
**PV04**  
SHT NO. OF  
25 OF 27

PLOTTED: Apr 30, 2020-10:06am



**SURFACE REPAIR NOTES**

- (7) PROTECT EXISTING TRAFFIC CONTROL SIGNS.
- (8) PROTECT EXISTING MAILBOX.
- (25) PROTECT EXISTING UTILITY POLE.
- (27) PROTECT EXISTING WALL IN PLACE.
- (200) INSTALL AC PAVEMENT 4" THICK PMAC WITH REINFORCING FIBERS OVER 3" AGGREGATE BASE COURSE.
- (201) ¾" CRUSHED STONE AGGREGATE TO MATCH DRIVEWAYS TO PROPOSED PAVEMENT.



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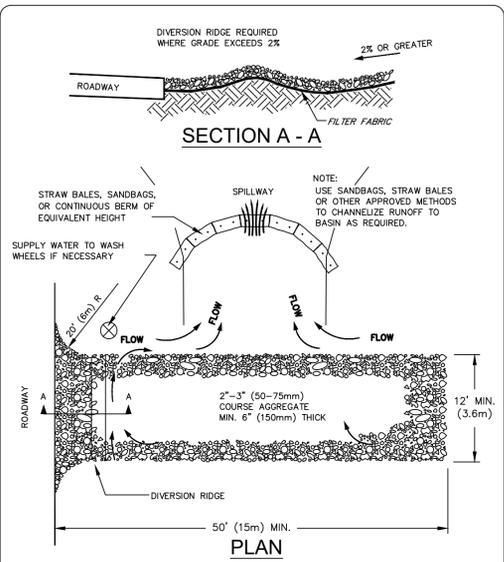
MILE HIGH PARK WATERLINE REPLACEMENT

PRESCOTT ARIZONA

**SURFACE REPAIRS**  
 MAYO-KEEN ST-STA 00+00 TO 10+87.86



DRAWING NO.  
**PV03**  
 SHT NO. OF  
 24 OF 27



**TEMPORARY GRAVEL CONSTRUCTION ENTRANCE/EXIT**

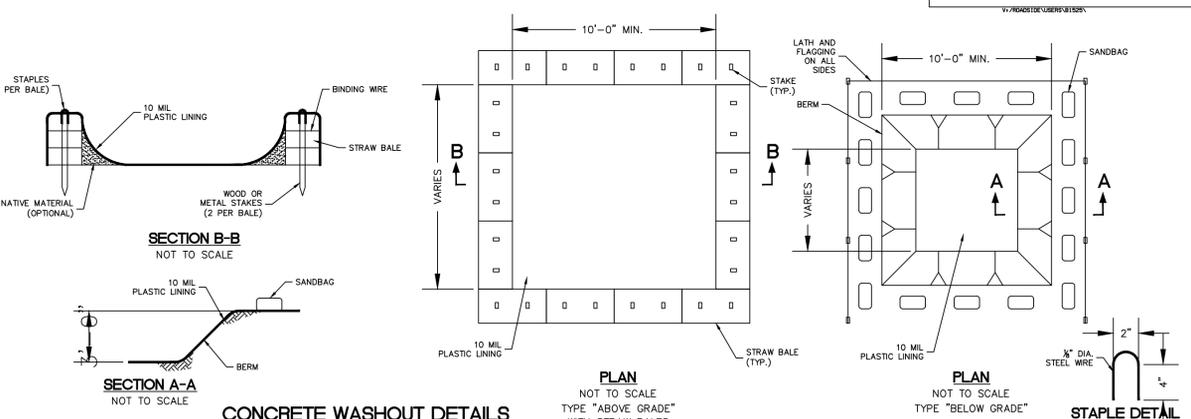
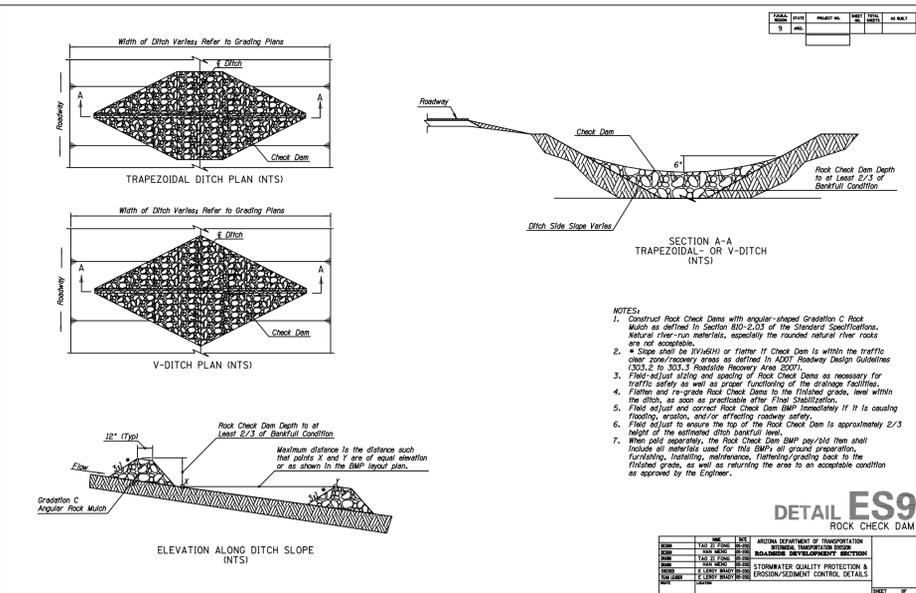
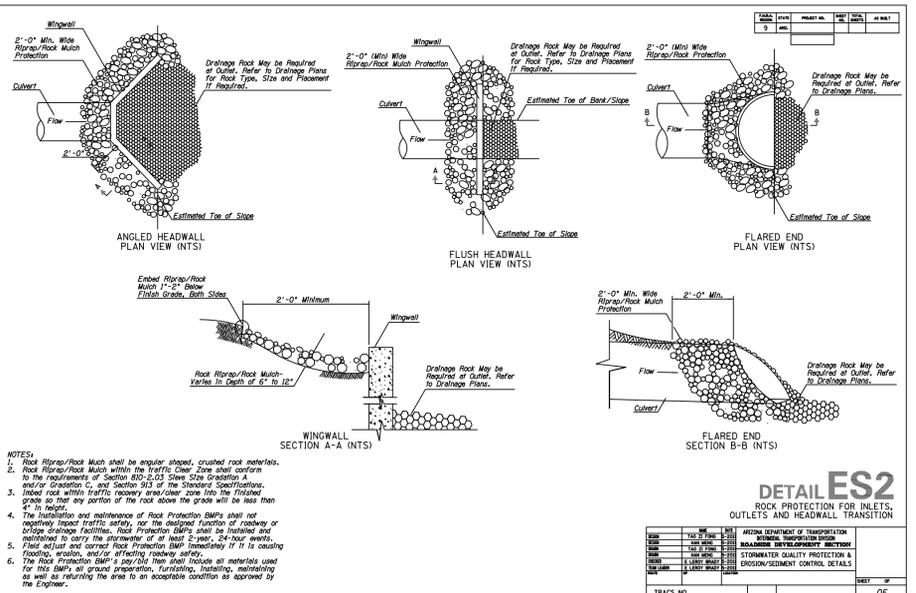
NOTES:  
 1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT.  
 2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.  
 3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

- A COPY OF THE APPROVED GRADING AND DRAINAGE PLAN FOR THIS PROJECT AND EROSION AND SEDIMENT CONTROL (ESC) PLAN OR STORM WATER POLLUTION PREVENTION PLAN (SWPPP) SHALL BE MAINTAINED ON THE SITE AND AVAILABLE FOR REVIEW. THOSE ELEMENTS OF THE GRADING AND DRAINAGE PLAN PERTINENT TO OR REFERENCED ON THE SWPPP SHALL BE CONSIDERED A PART OF THE SWPPP.
- THE ESC/SWPPP AND RELATED RECORDS MUST BE MADE AVAILABLE UPON REQUEST TO ADEQ AND THE CITY OF PRESCOTT.
- THE IMPLEMENTATION OF THESE PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE FACILITIES IS THE RESPONSIBILITY OF THE PERMITTEE/CONTRACTOR UNTIL ALL CONSTRUCTION IS APPROVED AND A NOTICE OF TERMINATION HAS BEEN SUBMITTED.
- THE SCHEMATIC EROSION CONTROL MEASURES SHOWN ON THE PLANS ARE A MINIMUM. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY MEANS TO PROTECT EXISTING FACILITIES AND ADJACENT PROPERTIES FROM NOISE, DUST, AND STORM WATER RUNOFF THROUGHOUT CONSTRUCTION OF THE PROJECT AND BUILDINGS ON LOTS, AND SHALL CONDUCT HIS OPERATIONS IN SUCH A MANNER THAT STORM WATER WILL BE CONTAINED ON SITE OR CHANNLED INTO A STORM DRAIN SYSTEM, PROVIDED THAT IT IS FREE FROM POLLUTANTS AND DEBRIS.
- CONTRACTOR SHALL PERMANENTLY STABILIZE ALL DISTURBED SLOPES AS STATED ON APPROVED CONSTRUCTION PLANS. ALL EROSION CONTROL STRUCTURES SHALL REMAIN IN PLACE UNTIL EXPOSED SLOPES HAVE BEEN PERMANENTLY STABILIZED.
- CONTRACTOR SHALL TAKE MEASURES TO PREVENT OR MINIMIZE THE GENERATION, EMISSION AND/OR TRANSPORT OF FUGITIVE DUST FROM CONSTRUCTION ACTIVITIES.
- THIS PLAN SHALL BE IN EFFECT UNTIL ALL DISTURBED AREAS ARE PERMANENTLY STABILIZED, TRANSFERRED TO NEW OWNERSHIP, OR DEVELOPED UNDER FUTURE PLANS WITH A NEW NOTICE OF INTENT (NOI), SWPPP, AND PERMIT. ONCE THE CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED AND THE SITE HAS MET THE FINAL STABILIZATION REQUIREMENTS OF THE PERMIT, THE AUTHORIZED SITE REPRESENTATIVE MAY FILE A NOTICE OR TERMINATION (NOT) WITH ADEQ, WITH A COPY SUBMITTED TO THE CITY OF PRESCOTT ENGINEERING DIVISION TO TERMINATE COVERAGE UNDER THE PERMIT.
- A CONCRETE WASHOUT SHALL BE INSTALLED FOR ALL PROJECTS THAT PROPOSE CONCRETE TO BE MIXED ON SITE OR BE DELIVERED FROM A BATCH PLANT. THE CONCRETE WASHOUT SHALL BE LOCATED A MINIMUM OF FIFTY (50) FEET FROM ANY DRAINAGE INFRASTRUCTURE OR NATURAL DRAINAGE FEATURES OR WATER BODIES AND INCORPORATE AN IMPERMEABLE LINER TO CONTAIN THE REQUIRED VOLUME. ALL DRIED CONCRETE WASTE SHALL BE BROKEN INTO MANAGEABLE PIECES AND DISPOSED OF OFF-SITE AT AN APPROVED FACILITY.

COP STANDARD DETAIL      EROSION AND SEDIMENTATION CONTROL NOTES

Charles Andrews  
CITY ENGINEER

REVISED: 07/16      DETAIL NO. 105P-2



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**SWI**  
 Shephard Wesnitzen, Inc.

THE EROSION CONTROL DEVICES SHOWN ON THIS SHEET REPRESENT THE BEST MANAGEMENT PRACTICES (BMP'S). THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ADDITIONAL BMP'S AS NECESSARY DURING CONSTRUCTION TO PREVENT STORMWATER POLLUTION. ADDITIONAL BMP'S MAY BE REQUIRED AT THE DISCRETION OF THE CITY OF PRESCOTT.

**CONSTRUCTION SEQUENCE**

- INSTALL INLET PROTECTION
- PAVEMENT REMOVAL AND INSTALL HAY BALES
- INSTALL CONSTRUCTION ENTRANCES
- DRAINAGE INFRASTRUCTURE/UTILITIES
- ROADWAY CONSTRUCTION
- PERMANENT VEGETATION/SLOPE STABILIZATION
- SCHEDULED MONITORING AND MAINTENANCE

**DISTURBED AREA**

41808 SQUARE FEET

**EROSION & SEDIMENT CONTROL STANDARD NOTES**

- THE CONTRACTOR MUST NOTIFY BLUE STAKE AT 1-800-STAKE-IT AT LEAST 24 HOURS PRIOR TO THE START OF CONSTRUCTION IN ACCORDANCE WITH APPLICABLE CITY ORDINANCES AND POLICIES.
- ALL EROSION CONTROL MEASURES SHOWN ON THE APPROVED PLAN MUST BE IN PLACE AND INSPECTED AND APPROVED BY THE CITY OF PRESCOTT PRIOR TO CLEARING, STRIPPING OF TOPSOIL OR GRADING.
- THE CONTRACTOR SHALL POST A SIGN AT THE MAIN ENTRANCE TO THE CONSTRUCTION SITE CONTAINING THE AZPDES AUTHORIZATION NUMBER AND/OR COPY OF NOTICE OF INTENT AUTHORIZATION, CONSTRUCTION SITE OPERATOR CONTACT NAME AND TELEPHONE NUMBER, A BRIEF PROJECT DESCRIPTION, AND THE LOCATION OF THE APPROVED STORM WATER POLLUTION PREVENTION PLAN. THE SIGN SHALL ALSO DISPLAY THE NAME, CONTACT INFORMATION, AND QUALIFICATIONS OF THE PERSONNEL PERFORMING ROUTINE INSPECTIONS.
- THE CONTRACTOR'S REPRESENTATIVE IS RESPONSIBLE FOR THE INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION.
- ALL DISTURBED AREAS ARE TO DRAIN TO APPROVED SEDIMENT CONTROL MEASURES AT ALL TIMES DURING LAND DISTURBING ACTIVITIES AND DURING SITE DEVELOPMENT UNTIL COMPLETE AND ADEQUATE STABILIZATION IS ACHIEVED.
- WATER MUST BE PUMPED INTO AN APPROVED FILTERING DEVICE DURING DEWATERING OPERATIONS.
- THE CONTRACTOR'S REPRESENTATIVE SHALL INSPECT AND DOCUMENT ALL EROSION AND SEDIMENT CONTROL MEASURES WEEKLY AND AFTER EACH SIGNIFICANT RAINFALL. THE FOLLOWING ITEMS WILL BE CHECKED IN PARTICULAR:  
 A. GRAVEL OUTLETS WILL BE CHECKED REGULARLY FOR SEDIMENT BUILDUP WHICH WILL PREVENT DRAINAGE. IF THE GRAVEL IS CLOGGED BY SEDIMENT, IT SHALL BE REMOVED AND CLEANED OR REPLACED.  
 B. SILT FENCE AND SEDIMENT BARRIERS WILL BE CHECKED REGULARLY FOR UNDERMINING OR DETERIORATION OF THE FABRIC. SEDIMENT SHALL BE REMOVED WHEN THE LEVEL OF SEDIMENT DEPOSITION REACHES HALF WAY TO THE TOP OF THE BARRIER.  
 C. SEEDED AND SODDED AREAS WILL BE CHECKED REGULARLY TO ENSURE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED AND RESEEDED OR SODDED AS NEEDED.
- INSPECTION FORMS SHALL BE COMPLETED BY THE CONTRACTOR'S INSPECTOR WITH THE MINIMUM FOLLOWING INFORMATION: INSPECTION DATE, TITLE AND QUALIFICATIONS OF EACH INSPECTOR, WEATHER INFORMATION FOR PERIOD SINCE LAST INSPECTION, LOCATION OF DISCHARGE OF SEDIMENT OR OTHER POLLUTANTS, LIST OF BMP'S THAT NEED TO BE MAINTAINED OR INADEQUATE, LIST ADDITIONAL NEEDED BMP'S, CORRECTIVE ACTION REQUIRED, SOURCES OF ALL NON-STORMWATER AND CONTROL MEASURES, DATES WHEN MAJOR GRADING ACTIONS OCCURRED, POLLUTANT DISCHARGE STATUS OF STORAGE AREAS, AND DATES WHEN CONSTRUCTION ACTIVITIES CEASED.
- CONTRACTOR IS RESPONSIBLE FOR MAINTAINING INSPECTION RECORDS FOR AT LEAST THREE (3) YEARS FOLLOWING THE COMPLETION OF PROJECT.
- THE SWPPP SHALL BE MODIFIED BY THE CONTRACTOR WITHIN 7 CALENDAR DAYS FOLLOWING THE INSPECTION OF AN INADEQUATE BMP WHEN NEEDED. BMP'S SHALL BE MODIFIED OR ADDED AS SOON AS PRACTICABLE AFTER THE BMP HAS BEEN DETERMINED INADEQUATE.
- PERMANENT SOIL STABILIZATION SHALL BE APPLIED TO DENUDED AREAS WITHIN SEVEN (7) DAYS AFTER FINAL GRADE IS REACHED AND ALL WORK COMPLETED ON ANY PORTION OF THE SITE. TEMPORARY SOIL STABILIZATION SHALL BE APPLIED WITHIN SEVEN (7) DAYS TO DENUDED AREAS THAT MAY NOT BE AT FINAL GRADE BUT WILL REMAIN UNDISTURBED FOR LONGER THAN FOURTEEN (14) DAYS. ROADS AND PARKING AREAS SHALL BE STABILIZED AS SOON AS PRECIPITATION OR IRRIGATION IS AVAILABLE.
- ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES WILL BE REMOVED WITHIN 30 DAYS AFTER ADEQUATE SOIL STABILIZATION AND AFTER THE TEMPORARY AREAS ARE NO LONGER NEEDED, AS AUTHORIZED BY THE CITY OF PRESCOTT INSPECTORS. TRAPPED SEDIMENT AND THE DISTURBED SOIL AREAS RESULTING FROM THE DISPOSITION OF TEMPORARY MEASURES WILL BE PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION AND SEDIMENTATION.
- WHEN SEDIMENT IS TRANSPORTED ONTO A PAVED ROAD SURFACE, THE ROAD WILL BE CLEANED THOROUGHLY AT THE END OF EACH DAY. SEDIMENT WILL BE REMOVED FROM THE ROADS BY SHOVELING OR SWEEPING AND TRANSPORTED TO A SEDIMENT CONTROL DISPOSAL AREA. STREET WASHING WILL BE ALLOWED ONLY AFTER SEDIMENT IS REMOVED IN THIS MANNER.
- AREAS WHICH ARE NOT TO BE DISTURBED WILL BE CLEARLY MARKED BY FLAGS, SIGNS, ETC.
- FLOOD PLAIN LIMITS SHALL BE CLEARLY MARKED IN THE FIELD BY FLAGS, SIGNS, ETC.
- TREE SAVE AREAS SHALL BE CLEARLY MARKED IN THE FIELD BY ORANGE SAFETY FENCE.
- ORANGE SAFETY FENCE MUST BE INSTALLED AROUND ALL SILT TRAPS AND SEDIMENT BASINS.
- SEEDING AND MULCHING SHALL BE IN ACCORDANCE WITH THE CITY OF PRESCOTT STANDARDS.
- THE SWPPP SHALL BE MODIFIED BY THE CONTRACTOR WITHIN 15 BUSINESS DAYS FOLLOWING ANY CHANGE IN DESIGN, CONSTRUCTION OPERATION, OR MAINTENANCE THAT HAS A SIGNIFICANT EFFECT ON DISCHARGE OR NOT PREVIOUSLY ASSESSED IN THE SWPPP.
- THE SWPPP SHALL BE MODIFIED BY THE CONTRACTOR WITHIN 15 BUSINESS DAYS IF IT IS DETERMINED THAT DISCHARGE IS CAUSING OR CONTRIBUTING TO WATER QUALITY EXCEEDENCES OR THE SWPPP IS INEFFECTIVE.

**EROSION CONTROL MEASURES**

ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE CONSTRUCTED AND MAINTAINED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS ESTABLISHED HEREIN.

**STRUCTURAL PRACTICES**

- SILT FENCE BARRIER: SILT FENCE SEDIMENT BARRIERS WILL BE INSTALLED DOWNSLOPE OF AREAS WITH MINIMAL GRADES TO FILTER SEDIMENT LADEN RUNOFF FROM SHEET FLOW AS INDICATED ON THE PLANS.
- A TEMPORARY CONSTRUCTION ENTRANCE SHALL BE INSTALLED WHERE THE ACCESS AREA INTERSECTS WITH EXISTING ROADS DURING MUDDY CONDITIONS. DRIVERS OF CONSTRUCTION VEHICLES WILL BE REQUIRED TO WASH THEIR WHEELS BEFORE ENTERING THE HIGHWAY.
- STORM DRAIN INLET & SPILLWAY PROTECTION: ALL STORM SEWER INLETS AND SPILLWAYS SHALL BE PROTECTED DURING CONSTRUCTION. SEDIMENT-LADEN WATER SHALL BE FILTERED BEFORE ENTERING THE STORM SEWER INLETS AND CULVERTS.

**VEGETATIVE PRACTICES**

- TOP SOILING (STOCKPILE) TOPSOIL WILL BE STRIPPED FROM AREAS TO BE GRADED AND STOCKPILED FOR LATER USE. STOCKPILE LOCATIONS ARE TO BE STABILIZED WITH TEMPORARY VEGETATION PRIOR TO LAND DISTURBING ACTIVITIES. THE CONTRACTOR SHALL SUBMIT A SUPPLEMENTARY EROSION & SEDIMENT PLAN TO THE OWNER COVERING THE STOCKPILE AREA WHICH MAY HAVE TO BE APPROVED BY THE PLAN APPROVING AUTHORITY BEFORE ANY ACTIVITY COMMENCES.
- TEMPORARY SEEDING ALL DENUDED AREAS WHICH WILL BE LEFT DORMANT FOR EXTENDED PERIODS OF TIME SHALL BE SEEDING WITH FAST GERMINATING TEMPORARY VEGETATION IMMEDIATELY FOLLOWING GRADING. SELECTION OF THE SEED MIXTURE WILL DEPEND ON THE TIME OF YEAR IT IS APPLIED.
- GRASS AREAS THAT ARE DISTURBED DURING CONSTRUCTION SHALL BE REPLACED WITH SOD BY THE CONTRACTOR. THE SOD GRASS TYPE SHALL MATCH THE EXISTING AND SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL THE SOD IS STABILIZED.

THE DETAILS SHOWN ON THE DETAIL SHEET ARE BY SHEPHARD - WESNITZER, INC. AND BY EROSION DRAW 4.0 (COPYRIGHT 2002 © JOHN MCULLAH) UNDER A LICENSE AGREEMENT.

**GENERAL NOTES FOR SWPPP (CITY OF PRESCOTT)**

- A STANDBY CREW FOR EMERGENCY WORK SHALL BE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON. NECESSARY MATERIALS SHALL BE AVAILABLE ON SITE AND STOCKPILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES OR TO REPAIR ANY DAMAGED EROSION CONTROL MEASURES, ESPECIALLY WHEN RAIN IS IMMINENT.
- DEVICES SHALL NOT BE MOVED OR MODIFIED WITHOUT APPROVAL OF THE INSPECTOR.
- ALL PROTECTIVE DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH DAY.
- AFTER A RAIN STORM, ALL SILT AND DEBRIS SHALL BE REMOVED FROM CHECK BERMS AND DESILTING BASINS. ANY GRADED SLOPE SURFACE PROTECTION MEASURE DAMAGED DURING A RAIN STORM SHALL BE IMMEDIATELY REPAIRED.
- FILL SLOPES AT THE CONSTRUCTION SITE PERIMETER MUST DRAIN AWAY FROM THE TOPS OF THE SLOPES AT THE END OF EACH DAY.
- A COPY OF THE PROJECTS STORM WATER POLLUTION PROTECTION PLAN (SWPPP) SHALL BE MAINTAINED AT THE CONSTRUCTION SITE AND ALWAYS AVAILABLE FOR REVIEW.
- PROTECT ALL STORM DRAINAGE STRUCTURES FROM SEDIMENT CLOGGING BY PROVIDING INLET PROTECTION AT ALL OPENINGS.
- AVOID PAVING DURING WET WEATHER.
- STORE MATERIALS AWAY FROM DRAINAGE COURSES TO PREVENT CONTACT WITH STORM WATER.
- PLACE DRIP PANS OR ABSORBENT MATERIALS UNDER CONSTRUCTION EQUIPMENT WHEN NOT IN USE.
- CLEAN UP SPILLS WITH ABSORBENT MATERIALS.
- OLD ASPHALT MUST BE DISPOSED OF PROPERLY.
- KEEP WORK SITE CLEAN AND ORDERLY DAILY.
- PROPERLY STORE PAINTS AND SOLVENTS.
- PERMANENTLY MARK STORM DRAIN STRUCTURES IN A MANNER APPROVED BY THE CONSTRUCTION INSPECTOR TO MINIMIZE INADVERTENT DISPOSAL OF RESIDUAL PAINTS, SOLVENTS, OR ANY OTHER POLLUTANT.
- ALLOW MATERIAL DELIVERY AND STORAGE ONLY IN DESIGNATED AREAS AND AVOID TRANSPORT NEAR DRAINAGE PATHS AND WATERWAYS.
- MINIMIZE THE USE OF HAZARDOUS MATERIALS ON SITE.
- CLEAN UP LEAKS AND SPILLS IMMEDIATELY.
- USE WATER-TIGHT DUMPSTERS FOR TRASH AND CONSTRUCTION WASTE.
- COLLECT SITE TRASH AS NEEDED, ESPECIALLY DURING RAINY OR WINDY CONDITIONS.
- ARRANGE FOR REGULAR WASTE COLLECTION BEFORE CONTAINERS OVERFLOW.
- DO NOT ALLOW BRUSHES OR PAINT CONTAINERS TO BE CLEANED OUT IN THE DIRT, STREET, GUTTER, OR STORM DRAINS.
- STORE AND COVER DRY AND WET MATERIALS FROM CONCRETE PLACEMENT AWAY FROM DRAINAGE AREAS.
- PERFORM WASHOUT OF CONCRETE TRUCKS IN DESIGNATED AREAS ONLY. WASHOUT AREAS SHALL BE AWAY FROM STORM DRAINS, OPEN DITCHES, OR STREETS.
- TEMPORARY SANITARY FACILITIES SHALL BE MAINTAINED IN GOOD WORKING ORDER BY A LICENSED SERVICE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR UPDATING HIS PLAN THROUGHOUT CONSTRUCTION AND INDICATE ANY AND ALL REVISIONS / UPDATES ON THIS PLAN.
- CONTRACTOR SHALL CONDUCT HIS OPERATIONS IN SUCH A MANNER THAT STORM WATER WILL BE CONTAINED WITHIN THE PROJECT OR CHANNLED INTO THE STORM DRAIN SYSTEM PROVIDED THAT IT IS FREE FROM POLLUTANTS AND DEBRIS.
- CITY APPROVAL OF PLANS DOES NOT RELIEVE THE DEVELOPER FROM CORRECTING ERRORS OR OMISSIONS DISCOVERED DURING CONSTRUCTION. CONFORMANCE WITH THE REQUIREMENTS OF THIS PLAN SHALL IN NO WAY RELIEVE THE DEVELOPER FROM HIS RESPONSIBILITIES TO THE SITE AND ADJACENT PROPERTIES. TEMPORARY EROSION CONTROL SHALL BE LIMITED TO CONSTRUCTING SUCH FACILITIES AND TAKING SUCH MEASURES AS ARE NECESSARY TO PREVENT, CONTROL AND ABATE WATER, MUD AND EROSION DAMAGE TO PUBLIC AND PRIVATE PROPERTY AS A RESULT OF THE CONSTRUCTION OF THIS PROPERTY.
- CLEARING AND GRUBBING SHOULD BE LIMITED TO AREAS THAT WILL RECEIVE IMMEDIATE GRADING. EROSION CONTROL MEASURES WILL BE REQUIRED TO PROTECT AREAS WHICH HAVE BEEN CLEARED AND GRUBBED. THESE MEASURES MAY INCLUDE BUT NOT BE LIMITED TO: GRADED DITCHES, SAND OR GRAVEL BAGS, BARRIERS AND SILT FENCING. CARE SHALL BE EXERCISED TO PRESERVE VEGETATION BEYOND LIMITS OF GRADING AND PREVENT SEDIMENT DISCHARGE WHILE CONSTRUCTION IN THIS AREA IS ACTIVE.
- SEDIMENT CONTROL SHALL BE USED AT THE TOE OF ANY ERODIBLE SLOPE.
- CONTRACTOR SHALL IMMEDIATELY RESTORE ANY DAMAGED EROSION CONTROL MEASURE WITHIN THE PROJECT BOUNDARY.
- FACES OF FINISHED CUT AND FILL SLOPES SHALL BE PREPARED AND MAINTAINED TO CONTROL AGAINST EROSION. THESE PERMANENT CONTROL MEASURES MAY CONSIST OF ADEQUATE SEEDING, PLANTING AND JUTE MATTING. PROTECTION FOR THE SLOPES SHALL BE INSTALLED AS SOON AS PRACTICABLE AND PRIOR TO CALLING FOR FINAL APPROVAL.
- AFTER A RAIN STORM, ALL SILT AND DEBRIS SHALL BE REMOVED FROM STREETS, CHECK BERMS AND BASINS.
- CONTRACTOR / SUBCONTRACTOR TRAINING IN SEDIMENT AND EROSION CONTROL IN ACCORDANCE WITH AZPDES.
- THE PERMITTEE AND CONTRACTOR SHALL BE RESPONSIBLE, AND TAKE NECESSARY PRECAUTIONS, TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATER CREATES A HAZARDOUS CONDITION.

**GENERAL NOTES**

- ALL CONSTRUCTION SHALL CONFORM TO CITY OF PRESCOTT STANDARDS, MAG STANDARDS, YAG STANDARDS, AZPDES STANDARDS AND SPECIFICATIONS AND GENERALLY ACCEPTED CONSTRUCTION PRACTICE.
  - THESE PLANS REPRESENT A REASONABLE EFFORT TO IMPLEMENT THE MOST CURRENT BEST MANAGEMENT PRACTICES (BMP'S) IN MITIGATING STORM WATER POLLUTION DURING CONSTRUCTION. THE EFFECTIVENESS OF THE MITIGATION MEASURES DEPICTED IN THESE PLANS DEPEND IN PART ON PROPER INSTALLATION, IMPLEMENTATION, MAINTENANCE, AND REPAIR OF THE DEVICES SELECTED.
- MAINTENANCE:  
 IN GENERAL, ALL EROSION & SEDIMENT CONTROL MEASURES WILL BE CHECKED WEEKLY AND AFTER EACH SIGNIFICANT RAINFALL. REFER TO THE ATTACHED EROSION & SEDIMENT CONTROL STANDARD NOTES FOR DETAILED MAINTENANCE AND REVEGETATION / STABILIZATION REQUIREMENTS.

PROFESSIONAL ENGINEER  
 JOHN MCULLAH  
 69250  
 JAMES R. WARNE  
 4/30/20  
 ARIZONA, USA

PRESCOTT ARIZONA

MILE HIGH PARK WATERLINE REPLACEMENT

SW01

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JOB NO:	17053.001
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**LEGEND**

- DISTURBED AREA
- DRAINAGE FLOW DIRECTION
- "OULVERT INLET/OUTLET PROTECTION" PER DETAIL ON SHEET SW01
- ROCK CHECK DAM
- "STRAW ROLL" PER DETAIL ON SHEETSW01
- "TEMPORARY CONSTRUCTION ENTRANCE" PER DETAIL ON SHEET SW01. CONSTRUCTION ENTRANCE LOCATION MAY BE MODIFIED AT THE DISCRETION OF THE CONTRACTOR.

**TEMPORARY CONCRETE WASHOUT FACILITY NOTES**

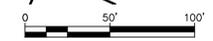
- CONTRACTOR TO DESIGNATE EQUIP./MATERIAL STORAGE SITE AND CONCRETE WASHOUT AS PART OF SWPPP PRIOR TO START OF CONSTRUCTION.
- TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE LOCATED A MINIMUM OF 50 FEET FROM STORM DRAIN INLETS, OPEN DRAINAGE FACILITIES AND WATERCOURSES, UNLESS DETERMINED UNFEASIBLE BY ENGINEER. EACH FACILITY SHALL BE LOCATED AWAY FROM CONSTRUCTION TRAFFIC OR ACCESS AREAS TO PREVENT DISTURBANCE OR TRACKING.
- TEMPORARY CONCRETE WASHOUT FACILITIES SHALL HAVE A TEMPORARY PIT (BELOW GRADE) OR BERMED AREA (ABOVE GRADE) OF SUFFICIENT VOLUME TO COMPLETELY CONTAIN ALL LIQUID AND WASTE CONCRETE MATERIALS GENERATED DURING WASHOUT PROCEDURES. IF LOCATED ABOVE GRADE, THE WASHOUT AREA SHALL BE LINED WITH AN IMPERMEABLE MATERIAL.
- ONCE CONCRETE WASTES ARE WASHED INTO THE DESIGNATED AREA AND ALLOWED TO HARDEN, THE CONCRETE SHALL BE BROKEN UP, REMOVED AND DISPOSED OF PER BMP SOLID WASTE MANAGEMENT.
- WHEN TEMPORARY CONCRETE WASHOUT FACILITIES ARE NO LONGER REQUIRED FOR THE WORK, AS DETERMINED BY THE ENGINEER, THE HARDENED CONCRETE SHALL BE REMOVED AND PROPERLY DISPOSED OF. MATERIALS USED TO CONSTRUCT TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BECOME THE PROPERTY OF THE CONTRACTOR. SHALL BE REMOVED THE SITE OF THE WORK AND SHALL BE DISPOSED OF OUTSIDE THE HIGHWAY RIGHT-OF-WAY.
- HOLE, DEPRESSIONS OR OTHER GROUND DISTURBANCE CAUSED BY THE REMOVAL OF THE FACILITIES SHALL BE BACKFILLED AND REPAIRED.
- THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FT OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

**MANAGEMENT STRATEGIES**

- CONSTRUCTION WILL BE SEQUENCED SO THAT GRADING OPERATIONS CAN BEGIN AND END AS QUICKLY AS POSSIBLE.
- INSTALL TEMPORARY CONSTRUCTION ENTRANCE. MUD AND DEBRIS SHALL BE WASHED FROM ALL CONSTRUCTION VEHICLES AND EQUIPMENT BEFORE LEAVING THE SITE. A WATER TANK TRUCK WILL BE USED IF PUBLIC WATER IS UNAVAILABLE.
- INSTALL PERIMETER CONTROLS AS SHOWN TO INCLUDE DIVERSION DIKES AND SILT FENCE. SEDIMENT TRAPPING MEASURES SHALL BE INSTALLED AS A FIRST STEP IN GRADING.
- GRADING OPERATIONS MAY COMMENCE ONCE PERIMETER CONTROLS, DIVERSIONS AND TRAPPING MEASURES ARE INSTALLED.
- FILL SLOPE SURFACES SHALL BE LEFT IN ROUGHENED CONDITION TO REDUCE SHEET AND RILL EROSION OF THE SLOPES. THE CONTRACTOR SHALL REDIRECT CONCENTRATED FLOW AWAY FROM THE FILL SLOPES BY INSTALLING EARTH BERMS AND DIRECT THE RUN-OFF TO STABILIZED OUTLET OR SEDIMENT BASIN AND TRAPPING DEVICES.
- TEMPORARY SEEDING, SODDING OR OTHER STABILIZATION METHODS WILL FOLLOW IMMEDIATELY AFTER GRADING.
- ONCE THE UTILITIES, CURB AND GUTTER, AND THE ROADS ARE BROUGHT NEAR FINAL GRADE IN A MANNER SUCH THAT STORM SEWER SYSTEMS ARE FUNCTIONAL, INSTALL THE STANDARD INLET PROTECTION AROUND THE STRUCTURES AND SILT FENCE ALONG THE SITE PERIMETER.
- FOR VEGETATIVE STABILIZATION OF ALL DENUDED AREAS SEE EROSION CONTROL MEASURES AND VEGETATIVE PRACTICES.
- THE JOB SUPERINTENDENT SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL PRACTICES.
- AFTER ACHIEVING ADEQUATE STABILIZATION, THE TEMPORARY EROSION & SILTATION CONTROLS WILL BE CLEANED UP AND REMOVED FROM THE SITE.

**GENERAL LAND CONSERVATION NOTES**

- VEGETATED STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRECIPITATION OR IRRIGATION IS AVAILABLE.
- ALL EROSION AND SILTATION CONTROL MEASURES ARE TO BE PLACED PRIOR TO OR AS THE FIRST STEP IN GRADING. FIRST AREAS TO BE CLEARED ARE TO BE THOSE REQUIRED FOR THE PERIMETER CONTROLS.
- DURING CONSTRUCTION, ALL STORM SEWER INLETS WILL BE PROTECTED BY INLET PROTECTION DEVICES, MAINTAINED AND MODIFIED AS REQUIRED BY CONSTRUCTION PROGRESS.
- ANY DISTURBED AREA NOT COVERED BY NOTE #1 ABOVE AND NOT PAVED, SODDED OR BUILT UPON IS TO BE MULCHED WITH WOOD MULCH FROM SUNDGOG TRANSFER STATION AT THE RATE OF TWO TONS PER ACRE AND OVER-SEEDED AS SOON AS PRECIPITATION OR IRRIGATION IS AVAILABLE.
- AT THE COMPLETION OF CONSTRUCTION PROJECTS, AND PRIOR TO THE RELEASE OF THE BOND, ALL TEMPORARY SILTATION AND EROSION CONTROLS SHALL BE REMOVED AND DISTURBED AREAS SHALL BE STABILIZED.
- TEMPORARY DIVERSIONS, SEEDING AND MULCHING OR SILT FENCE AND OTHER CONTROL MEASURES AS NECESSARY ARE TO BE PLACED AS INDICATED ON THE DRAWINGS PRIOR TO OR THE FIRST STEP IN EXCAVATION.
- WHERE CONSISTENT WITH JOB SAFETY REQUIREMENTS, ALL EXCAVATED MATERIAL IS TO BE PLACED ON THE UPHILL SIDE OF TRENCHES. NO MATERIAL IS TO BE PLACED IN STREAMBEDS. NO STOCKPILE IS PERMITTED. WHERE SOIL IS PLACED ON DOWNHILL SIDE OF TRENCHES, IT IS TO BE BACK-SLOPE TO DRAIN TOWARD THE TRENCH. WHEN NECESSARY TO DEWATER THE TRENCHES, THE PUMP DISCHARGE HOSE MUST OUTLET IN A STABILIZED AREA TO AN EXISTING STORM INLET OR DITCH IF NO INLET AVAILABLE.



Call at least two full working days before you begin excavation.

**ARIZONA 811**  
Arizona Blue Stakes, Inc.

Dial 8-1-1 or 1-800-STAKE-IT (782-5348)

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MILE HIGH PARK WATERLINE REPLACEMENT  
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