

SALT RIVER PROJECT

IRRIGATION IMPROVEMENTS

SRP ENGINEERING FILE NO. RD-12940

MC 85, 83RD AVENUE TO 91ST AVENUE, MCDOT PHASE 1A

CUSTOMER: MARICOPA COUNTY DEPARTMENT OF TRANSPORTATION, BEN MARKERT

TEL. (602) 506-8603

CUSTOMER'S ENGINEER: KIMLEY-HORN, ROBERT LYONS P.E.

TEL. (602) 678-3440

SRP DESIGNER: RICHARD JOHNSON

TEL. (602) 236-4607

SRP INSPECTOR: JEFF HYATT

TEL. (602) 236-2637

LEGEND

PLAN SYMBOLS

	BENCHMARK		EXISTING MANHOLE
	SECTION CORNER		PROPOSED MANHOLE
	SURVEY POINT (CALLOUT)		FIRE HYDRANT
	SECTION LINE		WATER VALVE
	CONSTRUCTION BASELINE		METER (WATER-W / GAS-G)
	PROPERTY OR RIGHT OF WAY LINE		WATER LINE
	EASEMENT LINE		SEWER LINE
	CENTERLINE		GAS LINE
	EXISTING EDGE OF PAVEMENT		TELEPHONE (DUCT OR CABLE)
	PROPOSED EDGE OF PAVEMENT		UNDERGROUND ELEC (DUCT OR CABLE)
	SLIPFORM LINING		MANHOLE (NON WUA)
	EXISTING DITCH		STORM DRAIN
	EXISTING PIPE		CATCH BASIN
	PROPOSED PIPE		UTILITY POLE
	EXISTING HEADWALL WITH AND WITHOUT SLIPFORM		DOWN GUY
	PROPOSED HEADWALL WITH SLIPFORM		FENCE (WOOD)
	EXISTING HEADWALL/TRASHRACK WITH AND WITHOUT SLIPFORM		FENCE (WIRE/NOT SPECIFIED)
	PROPOSED HEADWALL/TRASHRACK WITH SLIPFORM		FENCE (MASONRY)
	EXISTING TURNOUT STRUCTURE		PALM TREE
	PROPOSED TURNOUT STRUCTURE		TREE (TYPE)
	EXISTING TURNOUT STRUCTURE		STUMP
	PROPOSED TURNOUT STRUCTURE		MAIL BOX
	EXISTING TURNOUT STRUCTURE		EXISTING FACILITIES (CALLOUT)
	PROPOSED TURNOUT STRUCTURE		PROPOSED FACILITIES (CALLOUT)

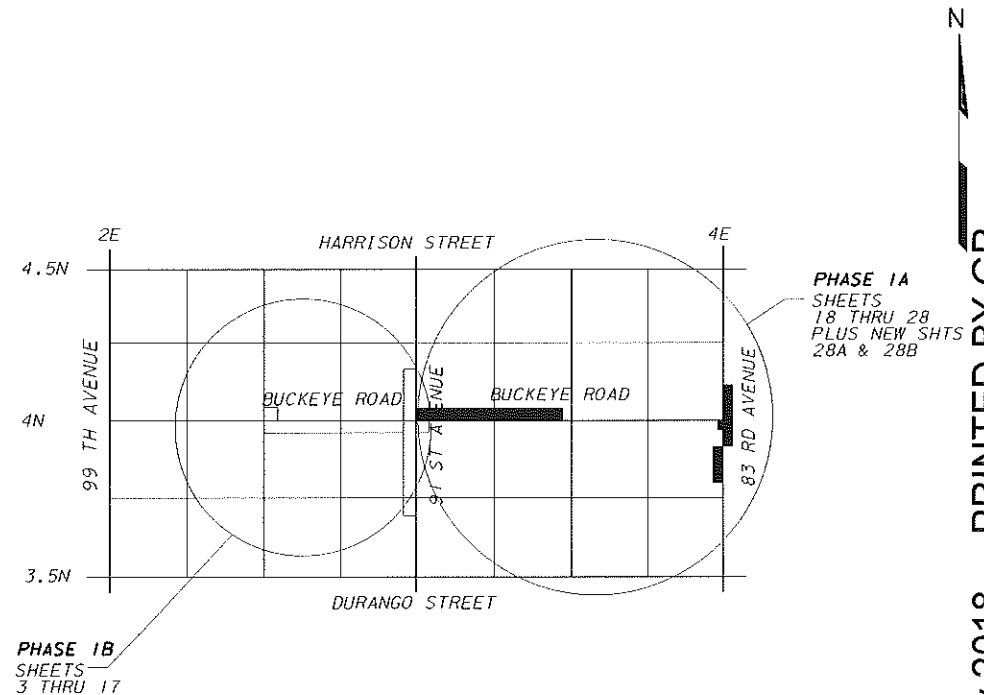
PROFILE SYMBOLS

	LOW BANK		CENTERLINE OF ROAD
	BED		BED (DRAIN DITCH)
	AVERAGE GROUND LEFT		CATCH BASIN
	AVERAGE GROUND RIGHT		PROPOSED UTILITY
	AVERAGE GROUND (ONE GIVEN)		EXISTING UTILITY
	HIGH WATER		POTHOLED UTILITY
	BED (PRIVATE DELIVERY)		PROPOSED PIPE
	HIGH GROUND		
	LOW GROUND		

GENERAL NOTES

1. THE CUSTOMER/CONTRACTOR IS RESPONSIBLE TO OBTAIN A PERMIT FOR WORK WITHIN PUBLIC AGENCY R/W AND ASSURE THAT ALL WORK IS PERFORMED IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL SAFETY AND ENVIRONMENTAL REGULATIONS.
2. THE WORK SPECIFIED ON THESE PLANS MAY INVOLVE THE USE OF AREAS LOCATED BOTH WITHIN SRP RIGHTS-OF-WAY AND PUBLIC AGENCY RIGHTS-OF-WAY. IF THE PUBLIC AGENCY ISSUES A PERMIT FOR WORK WITHIN ITS RIGHTS-OF-WAY, IT WILL APPLY ONLY TO THE AREA WITHIN THE PUBLIC AGENCY RIGHTS-OF-WAY. SUCH PERMIT SHALL NOT APPLY TO WORK WITHIN SRP RIGHTS-OF-WAY HAVING PRIOR RIGHTS.
3. THE CONTRACTOR SHALL CONTACT BLUE STAKE AT (602) 263-1100 AND SUCH OTHER LOCATORS/UTILITIES AS NECESSARY TO LOCATE AND FLAG ALL EXISTING UNDERGROUND UTILITIES BEFORE FIELD CONSTRUCTION BEGINS.
4. THE CUSTOMER'S CONTRACTOR IS REQUIRED TO CALL THE SRP INSPECTOR FOR A PRECONSTRUCTION CONFERENCE IN ACCORDANCE WITH THE APPLICABLE SRP LICENSE OR CONSTRUCTION AGREEMENT BEFORE OBTAINING CONSTRUCTION CLEARANCE AND STARTING CONSTRUCTION. CONTRACTOR MUST SIGN A TEMPORARY IRRIGATION OUTAGE AGREEMENT, IF REQUIRED, BEFORE CONSTRUCTION CAN BEGIN.
5. ALL CONSTRUCTION WATER AND POWER SHALL BE OBTAINED, HANDLED, AND PAID FOR BY THE CONTRACTOR. THE CONTRACTOR SHALL MAKE ARRANGEMENTS TO PROCURE AND TRANSPORT WATER TO THE CONSTRUCTION SITE. ALL TEMPORARY FACILITIES SHALL BE REMOVED BEFORE FINAL ACCEPTANCE BY SRP.
6. ANY QUESTIONS RELATIVE TO THE ACCURACY OF THE IMPROVEMENT INSTALLATION SHALL BE SUBMITTED IN WRITING IMMEDIATELY AND BEFORE COMPLETION OF THE WORK. IF ALL SURVEY STAKES ARE MAINTAINED INTACT AS ORIGINALLY PLACED, SHOULD SUCH STAKES NOT BE PRESENT AND VERIFIED AS TO THEIR ORIGIN, NO CLAIM FOR ADDITIONAL COMPENSATION FOR CORRECTION SHALL BE PRESENTED TO ANY PARTY AND SUCH WORK SHALL BE CORRECTED AND PAID FOR BY THE CONTRACTOR.
7. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL QUANTITIES AND ANY OTHER ITEMS AFFECTING THE BID TO COMPLETE THE WORK SHOWN ON THE PLANS, AND TO BASE THE BID SOLELY UPON VERIFIED QUANTITIES, IRRESPECTIVE OF THE INFORMATION FURNISHED AS NOTED ABOVE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE SRP INSPECTOR BEFORE CONSTRUCTION, OF ANY SIGNIFICANT DISCREPANCIES BETWEEN THE CONTRACTOR'S ESTIMATED QUANTITIES AND THOSE SHOWN ON THE PLANS.
8. THE CUSTOMER IS RESPONSIBLE FOR CLEARING THE PROPOSED SRP IRRIGATION SYSTEM ALIGNMENT BEFORE SRP CONSTRUCTION BEGINS. CLEARING SHALL INCLUDE REMOVAL OF PAVEMENT, CURBS, GUTTERS, SIDEWALKS, SIGNS, UTILITY POLES, STREETLIGHTS, FENCING AND ANY OTHER EXISTING CONFLICTS.
9. CONTACT SRP CUSTOMER SERVICE AT (602) 236-8888 FOR REQUIREMENTS FOR PROTECTING, RELOCATING OR REMOVING SRP POWER POLES (INCLUDING DOWN GUYS), UNDERGROUND POWER LINES AND OTHER ELECTRICAL EQUIPMENT. THE CUSTOMER IS RESPONSIBLE FOR ALL COSTS OF COMPLYING WITH THESE REQUIREMENTS.
10. FOR IRRIGATION OUTAGE INFORMATION, CONTACT THE SRP INSPECTOR.
11. IF THERE ARE CONFLICTS BETWEEN SRP'S PLANS AND SPECIFICATIONS AND LOCAL GOVERNING REQUIREMENTS, THE MOST STRINGENT REQUIREMENT SHALL APPLY, AS DETERMINED BY THE SRP INSPECTOR.
12. ALL TRENCHING SHALL BE DONE IN ACCORDANCE WITH OSHA CONSTRUCTION STANDARDS FOR EXCAVATIONS.
13. BACKFILL MATERIAL, PLACEMENT AND COMPACTION SHALL CONFORM TO REQUIREMENTS OF MAG 601 EXCEPT THAT COMPACTION DENSITY SHALL BE 100% FOR GRANULAR MATERIAL AND 95% FOR NON-GRANULAR MATERIAL. BACKFILL SHALL BE ABC WHERE SO REQUIRED BY THE GOVERNING PUBLIC AGENCY. WATER CONSOLIDATION IS NOT PERMITTED.
14. ALL DELIVERY STRUCTURES WILL BE INSTALLED BY SRP FORCES. ALLOW A MINIMUM OF 30 DAYS BETWEEN ISSUANCE OF THE SRP LICENSE OR NOTICE TO PROCEED, AND THE INSTALLATION OF THE STRUCTURE.
15. SRP WILL PROVIDE STUBOUT FOR PRIVATE CONNECTION. CUSTOMER IS RESPONSIBLE FOR DESIGN, CONSTRUCTION, AND CONNECTION OF PRIVATE IRRIGATION FACILITIES. CONNECTION TO SRP STUBOUT SHALL BE MADE USING MAG STANDARD IRRIGATION STAND PIPE (MAG 503), JUNCTION BOX (MAG 504), OR HEADWALL (MAG 501-13). JUNCTION BOX AND HEADWALL SHALL PROJECT MINIMUM 12" ABOVE FINISH GRADE. CUSTOMER SHALL COMPLETE CONNECTION TO SRP STUBOUT PRIOR TO DATE SET BY SRP FOR SYSTEM ACTIVATION.
16. PIPE BEDDING SHALL BE CLASS "C" OR BETTER, AND BACKFILL SHALL BE PER SRP SPECIFICATIONS FOR PRECAST PIPE, UNLESS OTHERWISE NOTED.
17. ALL PRECAST CONCRETE PIPE SHALL BE IN ACCORDANCE WITH ASTM C76 CLASS III WALL B OR WALL C UNLESS OTHERWISE NOTED, AND MEET SRP SPECIFICATIONS FOR PRECAST PIPE.
18. ALL EXISTING IRRIGATION FACILITIES DISTURBED BY NEW CONSTRUCTION SHALL BE RECONSTRUCTED TO CURRENT SRP STANDARDS.
19. ALL WORK AND MATERIALS THAT DO NOT CONFORM TO THESE PLANS, SPECIFICATIONS AND SRP LICENSES/CONSTRUCTION AGREEMENTS, ARE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
20. ALL DUST AND TRAFFIC CONTROLS REQUIRED BY THE LOCAL GOVERNING AGENCY WILL BE OBTAINED, COORDINATED, AND PAID FOR BY THE CONTRACTOR.
21. SRP DOES NOT GUARANTEE THE LOCATION OR ELEVATION OF UTILITIES AND WILL NOT BE RESPONSIBLE FOR THEIR RELOCATION.
22. THE UTILITIES IDENTIFIED ON THE PLANS MAY NOT REPRESENT ALL EXISTING AND/OR CONFLICTING UTILITIES WITHIN THE PROJECT LIMITS.
23. ALL UTILITIES WHICH HAVE BEEN POTHOLED (GENERALLY ALL PIPES OR CONDUITS 2 INCHES OR LARGER IN DIAMETER AND ALL CABLES WITH 25 PAIRS OR GREATER) ARE DESIGNATED IN THE PROFILE WITH THE TERM "PH".
24. ALL UTILITIES MUST UNDERCROSS THE PROPOSED SRP PIPELINE AND MAINTAIN A MINIMUM CLEARANCE OF ONE FOOT, UNLESS NOTED OTHERWISE.
25. MAINTAIN MINIMUM TWO FOOT HORIZONTAL CLEARANCE BETWEEN OUTSIDE BELL DIAMETER OF SRP PIPE AND PARALLEL UTILITY. LOCATE PARALLEL UTILITY OUTSIDE AREA SRP EXCAVATES TO MAINTAIN ITS PIPE. TYPICAL EXCAVATION INCLUDES AREA ABOVE AND TO EACH SIDE OF SRP PIPE. SIDE EXCAVATION EXTENDS UP AND OUT AT ONE-TO-ONE SLOPE FROM POINT THAT IS LEVEL WITH BOTTOM OF SRP PIPE AND A MINIMUM OF TWO FEET BEYOND ITS OUTSIDE BELL DIAMETER.
26. LOCATION AND ELEVATION OF ALL BLUE STAKED UTILITIES ARE TO BE FIELD VERIFIED. ALL CONFLICTING UTILITIES ARE TO BE RELOCATED PRIOR TO SRP PIPE INSTALLATION. CONTACT THE UTILITY COMPANY FOR COST AND SCHEDULE REQUIREMENTS FOR RELOCATION.
27. VERTICAL CONTROLS ARE BASED ON SEA LEVEL DATUM AS DEFINED BY THE BENCHMARK ON EACH PLAN/PROFILE. VERTICAL CONTROLS MAY DIFFER BETWEEN PLAN/PROFILES. CHECK PLANS FOR ELEVATION EQUATIONS.
28. STATIONS SHOWN ON THE PLAN/PROFILE ARE ALONG THE SECTION LINE, UNLESS OTHERWISE NOTED.
29. DIMENSIONS LOCATING IRRIGATION MANHOLES AND DELIVERY STRUCTURES ARE FROM THE SECTION LINE TO THE CENTERLINE OF THE MANHOLE, AND TO THE FACE OF THE DELIVERY STRUCTURE RESPECTIVELY, UNLESS OTHERWISE NOTED.
30. FACILITIES WHICH ARE NOT SPECIFICALLY LOCATED WITH ACTUAL HORIZONTAL AND VERTICAL CONTROLS ARE LOCATED ONLY APPROXIMATELY AND WITH THE BEST AVAILABLE KNOWLEDGE.
31. ALL STAKING CONTROLS SHALL BE LEFT UNDISTURBED. THE CONTRACTOR SHALL CALL THE SRP INSPECTOR TO REREFERENCE AND RESET ANY CONTROL POINTS THAT HAVE TO BE DISTURBED. THE CONTRACTOR WILL BE CHARGED FOR RESTAKING COSTS IF ANY STAKES ARE DESTROYED AND REQUIRE REPLACEMENT.
32. ELEVATIONS SHOWN FOR IRRIGATION MANHOLES ARE AT THE TOP OF THE PROPOSED SIDEWALK OR FINISHED ROADWAY GRADE AT THE CENTERLINE OF THE MANHOLE (TWO CORNER POINTS FOR THE 8-SIDED MANHOLE), UNLESS OTHERWISE NOTED. THE TOP OF THE MANHOLE SHALL BE STAKED BY THE CUSTOMER'S ENGINEER, AND THE HORIZONTAL OFFSET CHECKED TO VERIFY THAT THE LOCATION IS IN CONFORMANCE WITH THE LATEST REVISIONS TO THE GOVERNING AUTHORITY'S PAVING PLANS. ALL OTHER SRP IRRIGATION STAKING SHALL BE BY SRP FORCES, UNLESS OTHERWISE NOTED.
33. THE CUSTOMER'S ENGINEER SHALL VERIFY OR RE-ESTABLISH SECTION CORNERS TO BE USED AS THE BASELINE FOR IRRIGATION FACILITIES AND ALSO STAKE RIGHT-OF-WAY LINES AND TEMPORARY CONSTRUCTION AND PERMANENT EASEMENT LINES. SIDEWALKS AND BACK OF CURBS SHALL BE STAKED AT PROPOSED SRP MANHOLES AND STRUCTURES. ALL STAKING SHALL BE DONE PRIOR TO SRP STAKING NEW IRRIGATION FACILITIES. THE CUSTOMER'S ENGINEER SHALL MAINTAIN REMAINING STAKES AS REQUIRED FOR THE DURATION OF SRP IRRIGATION SYSTEM CONSTRUCTION.

KEY PLAN



IMPORTANT NOTE:

PART A: SRP LAND RIGHTS REQUIRED

PART B: USA LAND RIGHTS REQUIRED

PHASE 1A DESIGN FOR CONSTRUCTION					
0	RD-12940	REJ	REJ	RMP	RMP
REV NO.	JOB NO.	DFTR	DSGN	ENGR CHK	ISSUE AUTH
SALT RIVER PROJECT					
WATER ENGINEERING PHOENIX, ARIZONA					

GRAND CANAL
DRAIN & LATERAL 21.0,
SEC 10, 11, 14 & 15
TIN RIE

SCALE: NONE	TEMPORARY - 12940FSH1.DGN	SHEET 1
SUBJ CODE	DIST CODE	DWG SIZE
CV	Y3	22X34

PLAN INDEX-SHEETS BROKEN OUT FOR PROJECT PHASING

IRRIGATION GEOMETRY/KEY MAP SHEETS	2 & 2A	UTILITY POTHOLE SHTS	63, 64, 72, 73, 74
PLAN/PROFILE(S) SHEET	18A THRU SHEET 28B		75, 77 & 78
MANHOLE DETAIL(S) SHEET	31 THRU SHEET 34	OFFSET MANHOLE DETAIL(S) SHEET	79
HEADWALL W/TRASHRACK(S) SHEET	35	THRU SHEET	80

IRRI0FS.WDF

25 January 2018 PRINTED BY GR

NOT FOR CONSTRUCTION

MC 85 75TH AVENUE TO 107TH AVENUE
SRP CONTROL (GEOMETRIC) SHEET

PHASE 1B

PHASE 1A

CITY
OF
AVONDALE

CITY
OF
TOLLESON

CITY
OF
PHOENIX

NORTHEAST QUARTER
SECTION 18
T-1-N R-1-E

NORTHWEST QUARTER
SECTION 17
T-1-N R-1-E

NORTHEAST QUARTER
SECTION 17
T-1-N R-1-E

NORTHWEST QUARTER
SECTION 16
T-1-N R-1-E

NORTHEAST QUARTER
SECTION 16
T-1-N R-1-E

NORTHWEST QUARTER
SECTION 15
T-1-N R-1-E

NORTHEAST QUARTER
SECTION 15
T-1-N R-1-E

SOUTHWEST QUARTER
SECTION 8
T-1-N R-1-E

SOUTHWEST QUARTER
SECTION 8
T-1-N R-1-E

SOUTHWEST QUARTER
SECTION 9
T-1-N R-1-E

SOUTHWEST QUARTER
SECTION 9
T-1-N R-1-E

SOUTHWEST QUARTER
SECTION 10
T-1-N R-1-E

SOUTHWEST QUARTER
SECTION 10
T-1-N R-1-E

BUCKEYE ROAD
S89°51'25"E 2516.16'

BUCKEYE ROAD
N89°32'57"E 2611.25'

BUCKEYE ROAD
N89°11'32"E 2671.30'

BUCKEYE ROAD
N89°55'25"E 2633.94'

BUCKEYE ROAD
N89°55'29"E 2633.99'

BUCKEYE ROAD
N84°25'00"E 2547.00'

BUCKEYE ROAD
N84°51'14"E 2615.22'

107TH AVENUE
N00°12'48"W 2623.77'

107TH AVENUE
N00°11'37"W 2670.60'

103RD AVENUE (ALIGNMENT)

103RD AVENUE

99TH AVENUE
N00°06'44"W 2641.64'

99TH AVENUE
N00°50'28"E 2660.36'

95TH AVE

95TH AVE

91ST AVENUE
N00°03'05"E 2688.87'

91ST AVE
N07°48'02"E 2663.81'

100°24'57"E 2670.51'

N01°10'25"E 2613.37'

83RD AVENUE
N00°01'20"E 2668.46'

83RD AVENUE
N01°18'54"E 2546.97'

IRRIQFS, WDF

PHASE 2B

PHASE 2A

PHASE 2B

CONTROL NOTES:

ALL SRP PLAN & PROFILE DRAWINGS ARE BASED ON
MARICOPA COUNTY SECTION CORNERS.

All Coordinates Shown are "GROUND COORDINATES"
Bearings are based on Grid North, AZSPCS, Central Zone, NAD83(CORS)
Vertical Datum: (NGVD29)

Benchmark: BRASS CAP ON TOP OF STRUCTURE (POINTS #8001)
Elevation: 996.48'

Northing offset: 800,000
Easting offset: 500,000
CPI Grid to Ground Scale Factor: 1.00013147212756

Ex.: (Ground Coordinate "x" Offset "x" CPI Grid to Ground
Scale Factor reciprocal * Original Grid Coordinate)

DESIGN FOR CONSTRUCTION

0	RD-12940	BAJ	REJ	RMP	RMP	12/29/1
REV NO.	JOB NO.	DFTR	DSGN	ENGR CHK	ISSUE AUTH	DATE

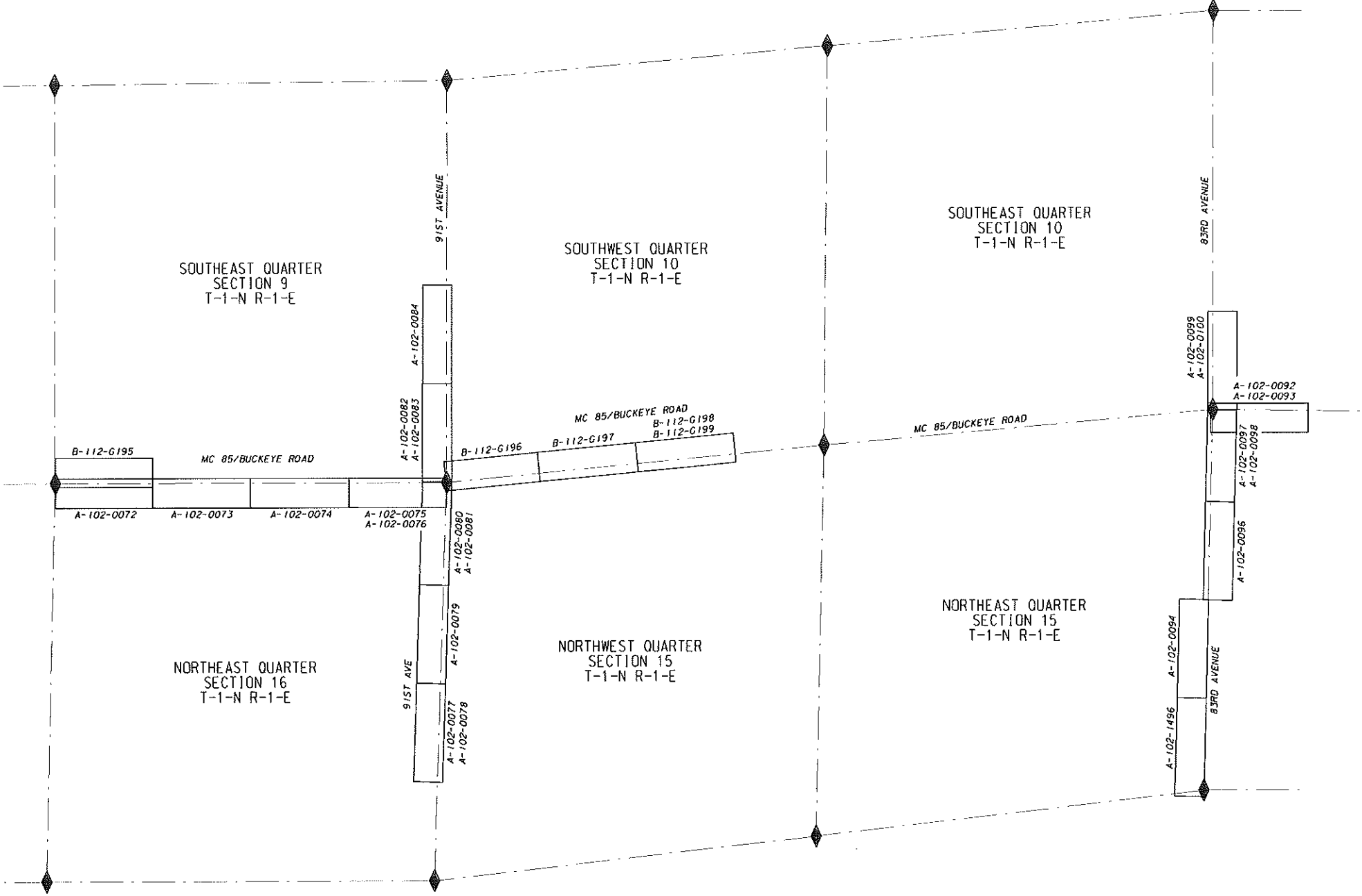
SALT RIVER PROJECT
WATER ENGINEERING PHOENIX, ARIZONA

GRAND CANAL
LATERAL 21.0, 22.0 & 23.0
SEC 8, 9, 10, 15, 16, 17, 18
TIN RIE
GEOMETRIC SHEET

SCALE: NONE	TEMPORARY - 12940GE01.DGN	SHEET NO.
SUBJ CODE DIST CODE DWG SIZE	12940GE01	2
CV Y3 22X34		

NOT FOR CONSTRUCTION 25 January 2018 PRINTED BY GR

SALT RIVER PROJECT
IRRIGATION IMPROVEMENTS
SRP ENGINEERING FILE NO. RD-12940
MC 85 91ST AVENUE TO 95TH AVENUE
KEY PLAN PHASE 1A & 1B



NO.	DATE	BY	CHK	APPD	AUTH.
17	10.13.05	JWS	-	CWT	-
18	04.10.07	JWS	-	CWT	-
19	04.10.07	JWS	-	CWT	-

FORM NO. 10
WDF-IRRIGFS

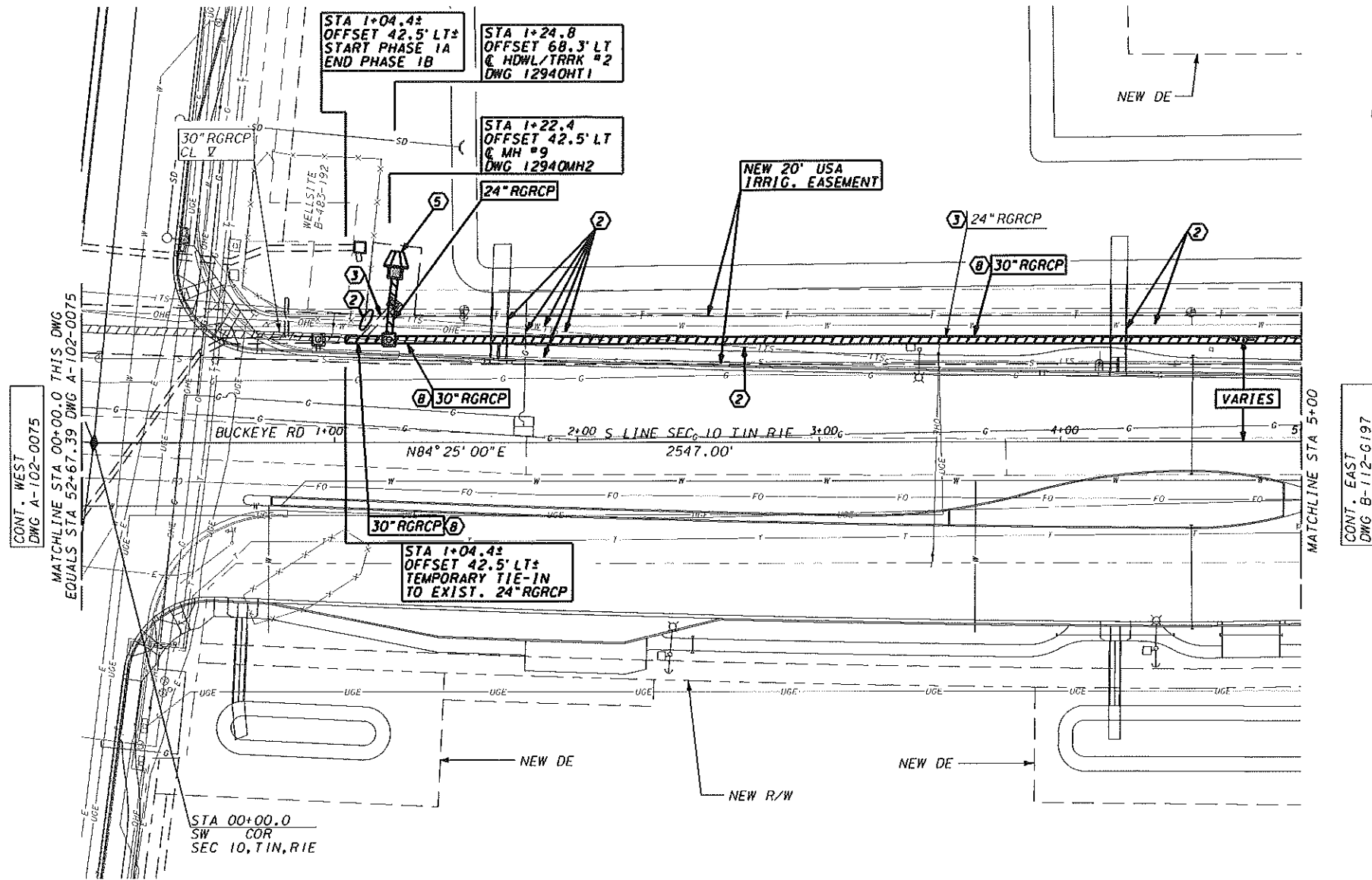
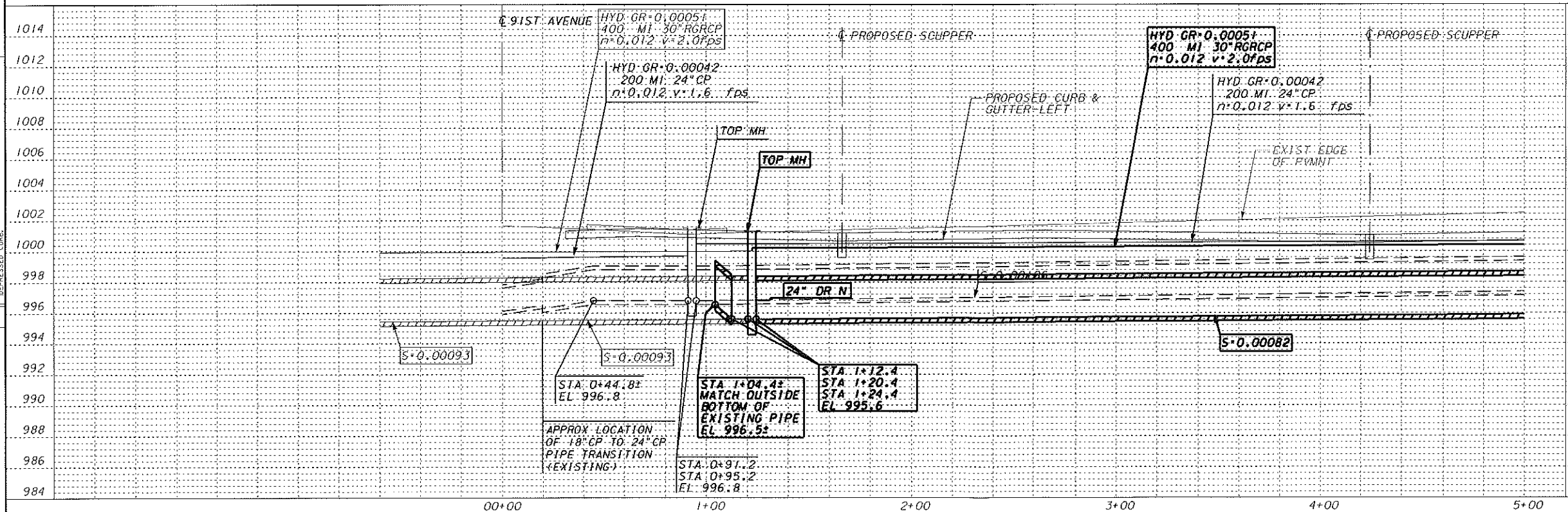
DESIGN FOR CONSTRUCTION						
0	RD-12940	BAJ	REJ	RMP	RMP	12/29/1
REV NO.	JOB NO.	DFTR	DSGN	ENGR CHK	ISSUE AUTH	DATE
 SALT RIVER PROJECT WATER ENGINEERING PHOENIX, ARIZONA						
GRAND CANAL DRAIN & LATERAL 21.0, 22.0 SEC 9, 10 & 16 TIN RIE KEY PLAN PHASE 1A & 1B						
SCALE: NONE		KEY PLAN PHASE 1, DGN				SHEET NO.
SUBJ CODE	DIST CODE	DWG SIZE	KEY PLAN			2A
CV	Y3	22X34				

NOT FOR CONSTRUCTION 25 January 2018 PRINTED BY GR

REFERENCE FILES USED:
REF #1: M4BM.DGN
REF #2: M4BM.DGN
REF #3: ---
REF #4: ---

PPSNG, WDF
WDF-PPSNG
FORM NO. 100
ADDED CIRCLE NOTE FOR INDUSTRIAL DRIVEWAY WITH DEPRESSED CURB.

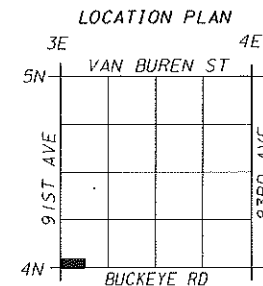
WDF-PPSNG



CONSTRUCTION NOTES

- THE GENERAL NOTES ON THE COVER SHEET INCLUDE ADDITIONAL REQUIREMENTS RELATING TO THIS WORK.
- UTILITY CROSSING/PARALLEL - SEE THE GENERAL NOTES CONCERNING BLUE STAKING EXISTING UTILITIES, MINIMUM CLEARANCES FROM SRP IRRIGATION FACILITIES, AND RELOCATING CONFLICTING UTILITIES.
- REMOVE AS REQUIRED FOR CONSTRUCTION.
- PRIVATE IRRIGATION SYSTEM CONNECTION TO BE DESIGNED AND CONSTRUCTED BY CUSTOMER.
- CUSTOMER SHALL REMOVE AND PROPERLY DISPOSE OF THOSE PARTS OF SRP IRRIGATION SYSTEM MADE OBSOLETE WHEN NEW SRP IRRIGATION SYSTEM IS COMPLETE AND OPERATIONAL. BACKFILL HOLES AND DEPRESSIONS TO BRING TO DESIGN GRADE.
- STANDARD SRP IRRIGATION MARKER BALLS, (STOCK CODE No. 5011771), SHALL BE INSTALLED BY THE CUSTOMER'S CONTRACTOR, AS DIRECTED BY SRP, BETWEEN STATION 1+04.4 AND STATION 5+00.0 AND AT OTHER PIPE LOCATIONS AS INDICATED. PLACE BALLS AT EVERY ANGLE POINT, AT 100' INTERVALS ALONG STRAIGHT RUNS, 50' INTERVALS ON CURVED RUNS, AT BURIED END POINTS, AND 3' BELOW THE SURFACE OR ON TOP OF THE PIPE/COLLAR (EMBED IN WET CONCRETE), WHICHEVER IS SHALLOWER. CONTACT SRP WATER INSPECTOR TO RECEIVE THE SRP IRRIGATION MARKER BALLS.
- SEE SHEETS PHG196 FOR UTILITY POTHOLE INFORMATION.

ELEVATION EQUATION:
ELEVATION THIS DWG.
MINUS 0.09' EQUALS
ELEVATION OF MCDOT
PROJECT NO. TT345
MC 85 BUCKEYE ROAD



BENCHMARK:

NE COR PLTO STR 2-23-84.3
LOCATED AT 50' SOUTH AND
665' WEST OF THE NORTHEAST
CORNER OF SECTION 18, T1N, R1E.
ELEVATION 996.48'

REDRAWN FROM B-112-G005, SRP SURVEY W13-53393-01
DESIGN PLANS FROM MCDOT FOR MC 85 EXPANSION.
DESIGN FROM STA 1+04.4 TO STA 5+00

REV NO.	JOB NO.	DFTR	DSGN	ENGR	CHK	ISSUE	DATE
0	RD-12940	BAJ	REJ	RMP	RMP		12/29/1

SALT RIVER PROJECT
WATER ENGINEERING PHOENIX, ARIZONA

**GRAND CANAL
DRAIN
SEC 10 TIN R1E
SW COR TO 500'E**

SCALE: PLAN 1"=30', PROFILE 1"=4'	B112G196.DGN	SHEET NO.
SUBJ CODE DIST CODE DWG SIZE	PP Y2 22X34	B-112-G196A 184

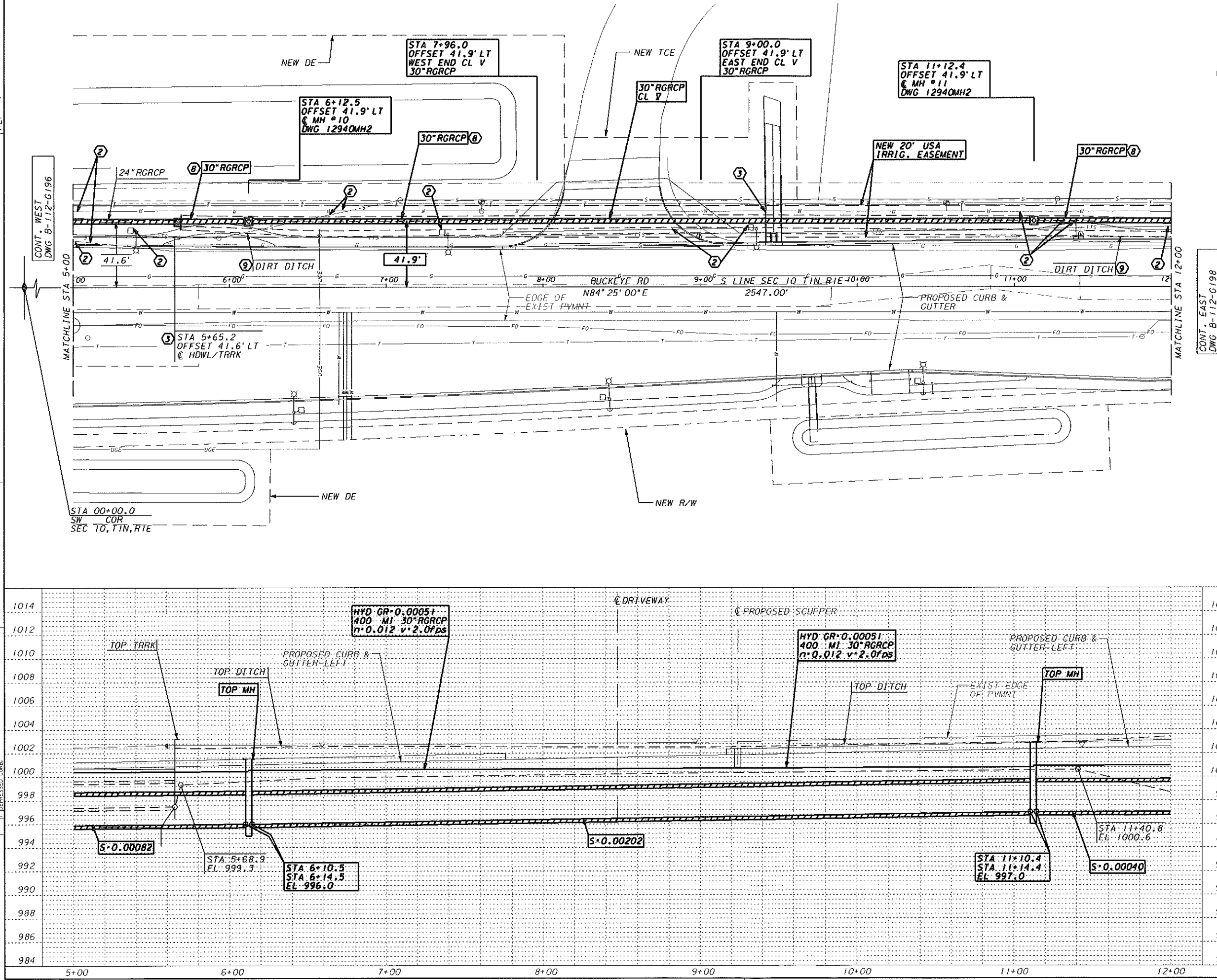
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REFERENCE FILES USED:
REF #1: M4BM.DGN
REF #2: M4BM.DGN
REF #3: M4BM.DGN
REF #4: M4BM.DGN

PPSNG.WDF

NO.	REV.	DATE	BY	CHK.	APPD.	AUTH.
1		04.03.06	JWS	DWT		REL
2		04.03.06	JWS	DWT		REL
3		04.03.06	JWS	DWT		REL
4		04.03.06	JWS	DWT		REL
5		04.03.06	JWS	DWT		REL
6		04.03.06	JWS	DWT		REL
7		04.03.06	JWS	DWT		REL
8		04.03.06	JWS	DWT		REL
9		04.03.06	JWS	DWT		REL
10		04.03.06	JWS	DWT		REL
11		04.03.06	JWS	DWT		REL
12		04.03.06	JWS	DWT		REL
13		04.03.06	JWS	DWT		REL
14		04.03.06	JWS	DWT		REL
15		04.03.06	JWS	DWT		REL
16		04.03.06	JWS	DWT		REL
17		04.03.06	JWS	DWT		REL
18		04.03.06	JWS	DWT		REL
19		04.03.06	JWS	DWT		REL
20		04.03.06	JWS	DWT		REL

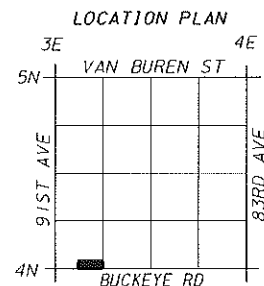
WDF-PPSNG



CONSTRUCTION NOTES

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- UTILITY CROSSING/PARALLEL - SEE THE GENERAL NOTES CONCERNING BLUE STAKING EXISTING UTILITIES, MINIMUM CLEARANCES FROM SRP IRRIGATION FACILITIES, AND RELOCATING CONFLICTING UTILITIES.
- REMOVE AS REQUIRED FOR CONSTRUCTION.
- STANDARD SRP IRRIGATION MARKER BALLS, (STOCK CODE NO. 5011771), SHALL BE INSTALLED BY THE CUSTOMER'S CONTRACTOR, AS DIRECTED BY SRP, BETWEEN STATION 5+00.0 AND STATION 12+00.0 AND AT OTHER PIPE LOCATIONS AS INDICATED. PLACE BALLS AT EVERY ANGLE POINT, AT 100' INTERVALS ALONG STRAIGHT RUNS, 50' INTERVALS ON CURVED RUNS, AT BURIED END POINTS, AND 3' BELOW THE SURFACE OR ON TOP OF THE PIPE/COLLAR (EMBED IN WET CONCRETE), WHICHEVER IS SHALLOWER. CONTACT SRP WATER INSPECTOR TO RECEIVE THE SRP IRRIGATION MARKER BALLS.
- REMOVE ALL LOOSE AND DELETERIOUS MATERIAL AND ALL MATERIAL NOT SUITABLE AS SUBGRADE. FILL DITCH TO PROPOSED GRADE OR TO EXISTING ADJACENT GRADES WITH CLEAN BACKFILL AND COMPACT AS REQUIRED. BACKFILL MATERIAL, PLACEMENT AND COMPACTION SHALL CONFORM TO THE REQUIREMENTS OF SRP STANDARD SPECIFICATION WTR 02614 OR TO THE REQUIREMENTS OF THE LOCAL GOVERNING AGENCY, WHICHEVER IS MORE STRINGENT.
- SEE SHEET PHG197 FOR UTILITY POTHOLE INFORMATION.

ELEVATION EQUATION:
ELEVATION THIS DWG.
MINUS 0.09' EQUALS
ELEVATION OF MCDOT
PROJECT NO. IT345
MC 85 BUCKEYE ROAD



BENCHMARK:
NE COR PLTO STR 2-23-84.3
LOCATED AT 50' SOUTH AND
665' WEST OF THE NORTHEAST
CORNER OF SECTION 18, T1N, R1E.
ELEVATION 996.48'

REDRAWN FROM B-112-G005, SRP SURVEY W13-53393-01
DESIGN PLANS FROM MCDOT FOR MC 85 EXPANSION.
DESIGN FROM STA 5+00.0 TO STA 12+00.0

REV.	NO.	JOB NO.	DFTR	DSGN	ENGR	CHK	ISSUE	DATE
0	RD-12940	BAJ	REJ	RMP	RMP	RMP	12/29/1	

SALT RIVER PROJECT
WATER ENGINEERING PHOENIX, ARIZONA

GRAND CANAL DRAIN
SEC 10 T1N R1E
500' E/O SW COR
TO 16/5 COR

SCALE: PLAN 1"=30', PROFILE 1"=4'	B112G197.DGN	SHEET 19
SUBJ CODE	DIST CODE	DWG SIZE
PP	Y2	22X34

B-112-G197

NOT FOR CONSTRUCTION 25 January 2018 PRINTED BY GR

- 1 THE GENERAL NOTES ON THE COVER SHEET INCLUDE ADDITIONAL REQUIREMENTS RELATING TO THIS WORK.
- 2 UTILITY CROSSING/PARALLEL - SEE THE GENERAL NOTES CONCERNING BULK STAKING EXISTING UTILITIES, MINIMUM CLEARANCES FROM SRP IRRIGATION FACILITIES, AND RELOCATING CONFLICTING UTILITIES.
- 3 REMOVE AS REQUIRED FOR CONSTRUCTION.
- 7 CUSTOMER SHALL REMOVE AND PROPERLY DISPOSE OF THOSE PARTS OF SRP IRRIGATION SYSTEM MADE OBSOLETE WHEN NEW SRP IRRIGATION SYSTEM IS COMPLETE AND OPERATIONAL. BACKFILL HOLES AND DEPRESSIONS TO BRING TO DESIGN GRADE.
- 8 STANDARD SRP IRRIGATION MARKER BALLS, (STOCK CODE NO. 5011771), SHALL BE INSTALLED BY THE CUSTOMER'S CONTRACTOR, AS DIRECTED BY SRP, BETWEEN STATION 12+00.0 AND STATION 19+00.0 AND AT OTHER PIPE LOCATIONS AS INDICATED. PLACE BALLS AT EVERY ANGLE POINT, AT 100' INTERVALS ALONG STRAIGHT RUNS, 50' INTERVALS ON CURVED RUNS, AT BURIED END POINTS, AND 3' BELOW THE SURFACE OR ON TOP OF THE PIPE/COLLAR EMBED IN WET CONCRETE), WHICHEVER IS SHALLOWER. CONTACT SRP WATER INSPECTOR TO RECEIVE THE SRP IRRIGATION MARKER BALLS.
- 9 REMOVE ALL LOOSE AND DELETERIOUS MATERIAL AND ALL MATERIAL NOT SUITABLE AS SUBGRADE. FILL DITCH TO PROPOSED GRADE OR TO EXISTING ADJACENT GRADES WITH CLEAN BACKFILL AND COMPACT AS REQUIRED. BACKFILL MATERIAL, CEMENT AND CONTACT SHALL CONFORM TO THE REQUIREMENTS OF SRP STANDARD SPECIFICATION WTR 02614 OR TO THE REQUIREMENTS OF THE LOCAL GOVERNING AGENCY, WHICHEVER IS MORE STRINGENT.
- 1 SEE SHEET PHG198 FOR UTILITY POTHOLE INFORMATION.

LOCATION PLAN

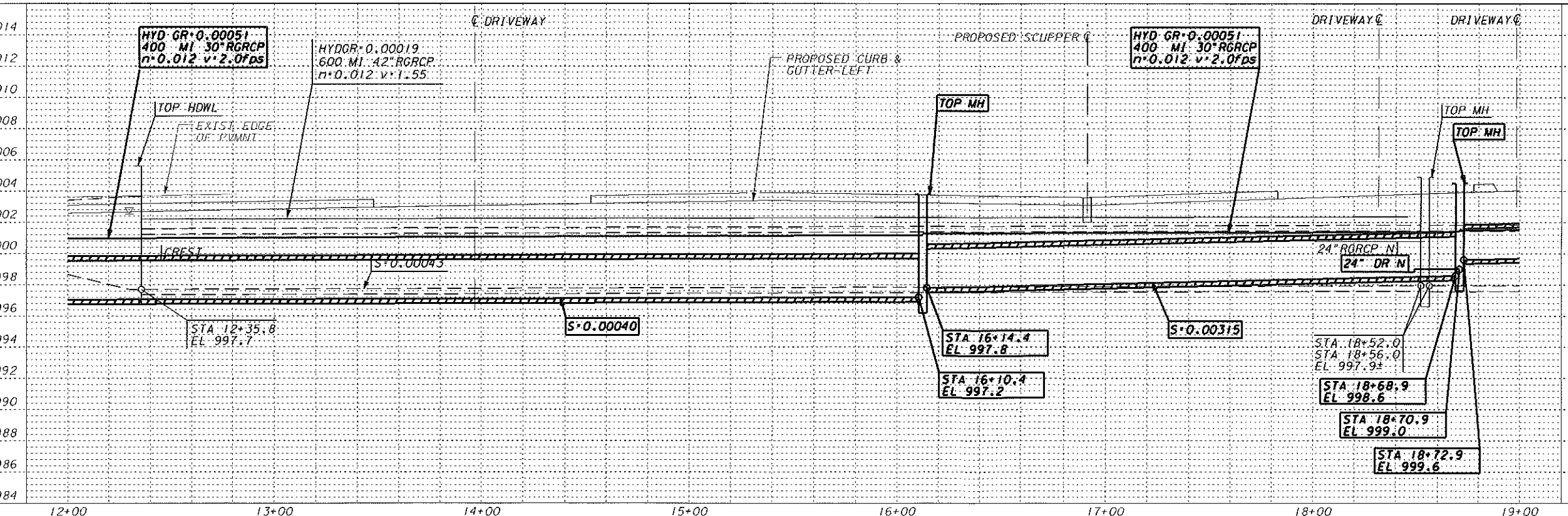
3E 4E
5N VAN BUREN ST
91ST AVE
4N BUCKEYE RD
83RD AVE

NE COR PLTO STR 2-23-84.3
LOCATED AT 50' SOUTH AND
665' WEST OF THE NORTHEAST
CORNER OF SECTION 18, T1N, R1E.
ELEVATION 996.48'

REDRAWN FROM B-112-G006, SRP SURVEY W13-53393-01 DESIGN PLANS FROM MCDOT FOR MC 85 EXPANSION. DESIGN FROM STA 12+00.0 TO STA 19+00.0							
0	RD-12940	BAJ BAJ	REJ REJ	RMP RMP	RMP RMP	12/29/1	
REV NO.	JOB NO.	DFTR	DSGN	ENGR CHK.	ISSUE AUTH	DATE	

GRAND CANAL
DRAIN
SEC 10 TIN RIE
16/5 COR TO
650' W/O S4 COR

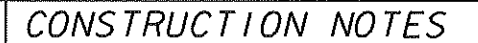
SCALE: PLAN 1"=30', PROFILE 1"=4'			B112G198.DGN		SHEET 1
SUBJ CODE	DIS1 CODE	DWG SIZE	B-112-G198		202
PP	Y2	22X34			



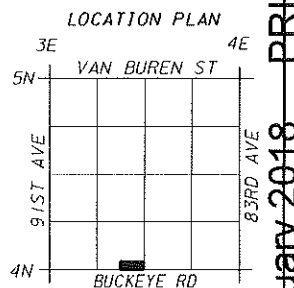
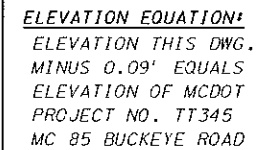
NU	NU	DATE	REMARKS	APPD	AUTH
7		04.03.06	JMS CWT	-	REL
ADDED HEX NOTE 9 & CIRCLE NOTES FOR BRIDGE RECOVERY AND SITE PAO INSTALLATION.					
8		04.10.07	JMS CWT	-	REL
ADDED CIRCLE NOTE FOR INDUSTRIAL DRIVEWAY WITH CROSS-SECTING					

NOT FOR CONSTRUCTION 25 January 2018 PRINTED BY GR

DESIGN. NO.

WDF-PPSNG

- ① THE GENERAL NOTES ON THE COVER SHEET INCLUDE ADDITIONAL REQUIREMENTS RELATING TO THIS WORK.
- ② UTILITY CROSSING/PARALLEL - SEE THE GENERAL NOTES CONCERNING EXISTING UTILITIES, MINIMUM CLEARANCES FROM SRP IRRIGATION FACILITIES, AND RELOCATING CONFLICTING UTILITIES.
- ③ REMOVE AS REQUIRED FOR CONSTRUCTION.
- ④ CUSTOMER SHALL REMOVE AND PROPERLY DISPOSE OF THOSE PARTS OF SRP IRRIGATION SYSTEM MADE OBSOLETE WHEN NEW SRP IRRIGATION SYSTEM IS COMPLETE AND OPERATIONAL. BACKFILL HOLES AND DEPRESSIONS TO BRING TO DESIGN GRADE.
- ⑤ STANDARD SRP IRRIGATION MARKER BALLS, (STOCK CODE NO. 9011711), SHALL BE INSTALLED BY THE CUSTOMER'S CONTRACTOR AS DIRECTED BY SRP, BETWEEN STATION 19+00.0 AND STATION 19+80.1 AND AT OTHER PIPE LOCATIONS AS INDICATED. PLACE BALLS AT EVERY ANGLE POINT, AT 100' INTERVALS ALONG STRAIGHT RUNS, 50' INTERVALS ON CURVED RUNS AT BURIED END POINTS, AND 3' BELOW THE SURFACE OR ON TOP OF THE PIPE COLLAR (EMBED IN WET CONCRETE), WHICHEVER IS SHALLOWER. CONTACT SRP WATER INSPECTOR TO RECEIVE THE SRP IRRIGATION MARKER BALLS.



BENCHMARK:

NE COR PLTO STR 2-23-84.3
LOCATED AT 50' SOUTH AND
665' WEST OF THE NORTHEAST
CORNER OF SECTION 18, T1N, R1E.
ELEVATION 996.48'

REDRAWN FROM B-112-G006, SRP SURVEY W13-53393-01							12/29/1
DESIGN PLANS FROM MCDOT FOR MC 85 EXPANSION.							
DESIGN FROM STA 19+00 TO STA 19+80.1							
O	RD-12940	BAJ	REJ	RMP	RMP	12/29/1	
		BAJ	REJ	RMP	RMP		
REV	JOB NO.	DFTR	DSGN	ENGR	ISSUE	DATE	
NO.					AUTH		



SALT RIVER PROJECT
WATER ENGINEERING ♦ PHOENIX, ARIZONA

GRAND CANAL
DRAIN
SEC 10 TIN RIE
650' W/O S4 COR
TO S4 COR

SCALE: PLAN 1"=30', PROFILE 1"=4'			01126199.DGN	SHEET 1
SUBJ CODE	DIST CODE	DWG SIZE	B-112-G199	212
PP	Y2	22X34		

NOT FOR CONSTRUCTION 25 January 2018 PRINTED BY GR
83RD AVE

REFERENCE FILES USED:
REF #1: M4BM.DGN
REF #2: M4BM.DGN
REF #3: ---
REF #4: ---

PPSNG.WDF

NO.	REV.	DATE	BY	CHKD.	APPD.	DESCRIPTION
1		04.03.08	JMS	CRT		ADDED NEW NOTE 9 & CIRCLE NOTES FOR BATHYMETRY AND S.P. P.D. INSTALLATION
2		04.10.07	JMS	CRT		ADDED CIRCLE NOTE FOR INDUSTRIAL DRIVEWAY WITH DEPRESSION CURVE

WDF-PPSNG

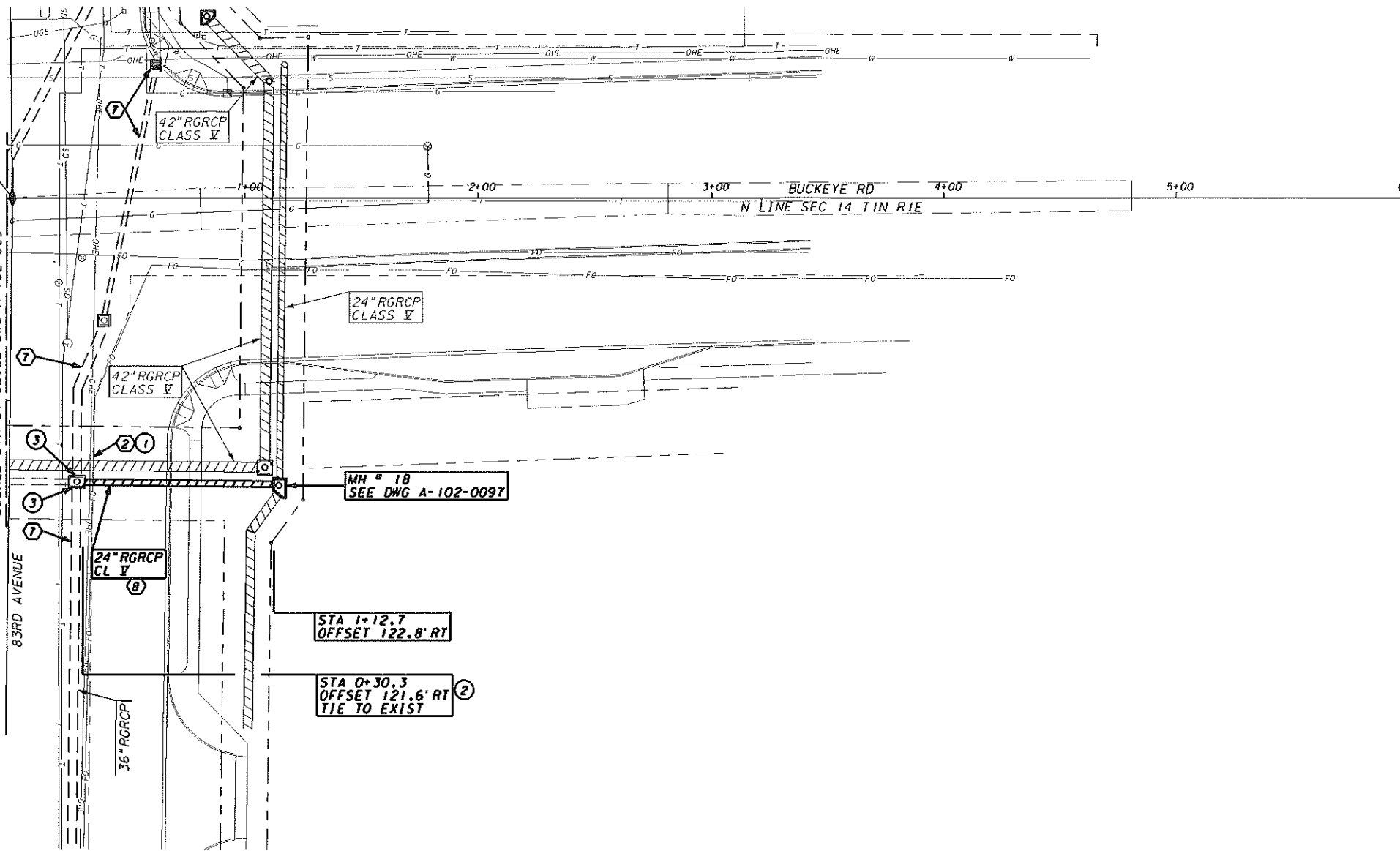
CONT. SOUTH
DWG A-102-0099

STA 0+00.0
NW COR
SEC 14, TIN, RIE

CONT. WEST
DWG A-102-0091

MATCHLINE STA 00+00.0 THIS DWG
EQUALS STA 51+62.22 DWG A-102-0091

CONT. SOUTH
DWG A-102-0098



83RD AVENUE

STA 0+30.6
EL 1003.2

HYD GR: 0.00065
250 MI. 24\"/>

EXISTING CURB &
GUTTER RIGHT

TOP MH

24\"/>

36\"/>

STA 51+87.4
EL 1003.2

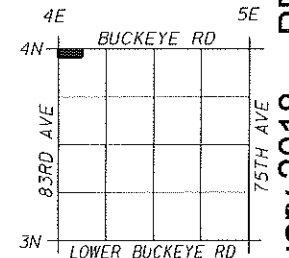
STA 1+12.7
EL 1003.2

CONSTRUCTION NOTES

- THE GENERAL NOTES ON THE COVER SHEET INCLUDE ADDITIONAL REQUIREMENTS RELATING TO THIS WORK.
- UTILITY CROSSING/PARALLEL - SEE THE GENERAL NOTES CONCERNING BLUE STAKING EXISTING UTILITIES, MINIMUM CLEARANCES FROM SRP IRRIGATION FACILITIES, AND RELOCATING CONFLICTING UTILITIES.
- CUSTOMER SHALL REMOVE AND PROPERLY DISPOSE OF THOSE PARTS OF SRP IRRIGATION SYSTEM MADE OBSOLETE WHEN NEW SRP IRRIGATION SYSTEM IS COMPLETE AND OPERATIONAL. BACKFILL HOLES AND DEPRESSIONS TO BRING TO DESIGN GRADE.
- STANDARD SRP IRRIGATION MARKER BALLS, (STOCK CODE NO. 5011771), SHALL BE INSTALLED BY THE CUSTOMER'S CONTRACTOR, AS DIRECTED BY SRP, BETWEEN STATION 0+30.6 AND STATION 1+12.7 AND AT OTHER PIPE LOCATIONS AS INDICATED. PLACE BALLS AT EVERY ANGLE POINT, AT 100' INTERVALS ALONG STRAIGHT RUNS, 50' INTERVALS ON CURVED RUNS, AT BURIED END POINTS, AND 3' BELOW THE SURFACE OR ON TOP OF THE PIPE/COLLAR (EMBED IN WET CONCRETE), WHICHEVER IS SHALLOWER. CONTACT SRP WATER INSPECTOR TO RECEIVE THE SRP IRRIGATION MARKER BALLS.
- SEE SHEET PH0097 FOR UTILITY POTHOLE INFORMATION.
- TIE TO EXIST. MANHOLE IN ACCORDANCE WITH SRP STD. DWG. WES-30300-005.
- PLUG MANHOLE WALL IN ACCORDANCE WITH SRP STD. DWG. WES-WALLPLUG.

ELEVATION EQUATION:
ELEVATION THIS DWG.
MINUS 0.09' EQUALS
ELEVATION OF MCDOT
PROJECT NO. TT345
MC 85 BUCKEYE ROAD

LOCATION PLAN



BENCHMARK:

NE COR PLT0 STR 2-23-84.3
LOCATED AT 50' SOUTH AND
665' WEST OF THE NORTHEAST
CORNER OF SECTION 18, TIN, RIE.
ELEVATION 996.48'

DRAWN FROM SRP SURVEY W13-53393-01 &
DESIGN PLANS FROM MCDOT FOR MC 85 EXPANSION.
DESIGN FROM STA 0+30.6 TO STA 1+12.7

REV NO.	JOB NO.	DATE	BY	CHKD.	DATE
0	RD-12940	12/29/1	BAJ	REJ	RMP
			BAJ	REJ	RMP
			DFTR	DSGN	ENGR
				CHK	ISSUE
					DATE

SALT RIVER PROJECT
WATER ENGINEERING PHOENIX, ARIZONA

**GRAND CANAL
LATERAL 21.0
SEC 14 TIN IE
NW COR TO 100'E**

SCALE: PLAN 1"=30', PROFILE 1"=4'	A1020092.DGN	SHEET
SUBJ CODE	DIST CODE	DWG SIZE
PP	Y2	22X34
A-102-0092		222

NOT FOR CONSTRUCTION 25 January 2018 PRINTED BY GR

- ① THE GENERAL NOTES ON THE COVER SHEET INCLUDE ADDITIONAL REQUIREMENTS RELATING TO THIS WORK.
- ② UTILITY CROSSING/PARALLEL - SEE THE GENERAL NOTES CONCERNING BLUE STAKING EXISTING UTILITIES, MINIMUM CLEARANCES FROM SRP IRRIGATION FACILITIES, AND RELOCATING CONFLICTING UTILITIES.
- ③ REMOVE AS REQUIRED FOR CONSTRUCTION.
- ⑦ CUSTOMER SHALL REMOVE AND PROPERLY DISPOSE OF THOSE PARTS OF SRP IRRIGATION SYSTEM MADE OBSOLETE WHEN NEW SRP IRRIGATION SYSTEM IS COMPLETE AND OPERATIONAL. BACKFILL HOLES AND DEPRESSIONS TO BRING TO DESIGN GRADE.
- ⑧ STANDARD SRP IRRIGATION MARKER BALLS, (STOCK CODE NO. 50117711), SHALL BE INSTALLED BY THE CUSTOMER'S CONTRACTOR, AS DIRECTED BY SRP, BETWEEN STATION 51+24.3 AND STATION 1+06.1 AND AT OTHER PIPE LOCATIONS AS INDICATED. PLACE BALLS AT EVERY ANGLE POINT, AT 100' INTERVALS ALONG STRAIGHT RUNS, 50' INTERVALS ON CURVED RUNS, AT BURIED END POINTS, AND 1' BELOW THE SURFACE OR ON TOP OF THE PIPE/COLLAR (EMBED IN WET CONCRETE), WHICHEVER IS SHALLOWER. CONTACT SRP WATER INSPECTOR TO RECEIVE THE SRP IRRIGATION MARKER BALLS.
- ① SEE SHEET PH0097 FOR UTILITY POTHOLE INFORMATION.
- ② TIE TO EXIST. MANHOLE IN ACCORDANCE WITH SRP STD. DWG. WES-30300-005.
- ③ PLUG MANHOLE WALL IN ACCORDANCE WITH SRP STD. DWG. WES-WALLPLUG.

LOCATION PLAN

4E 5E

4N

BUCKEYE RD

83RD AVE

75TH AVE

3N

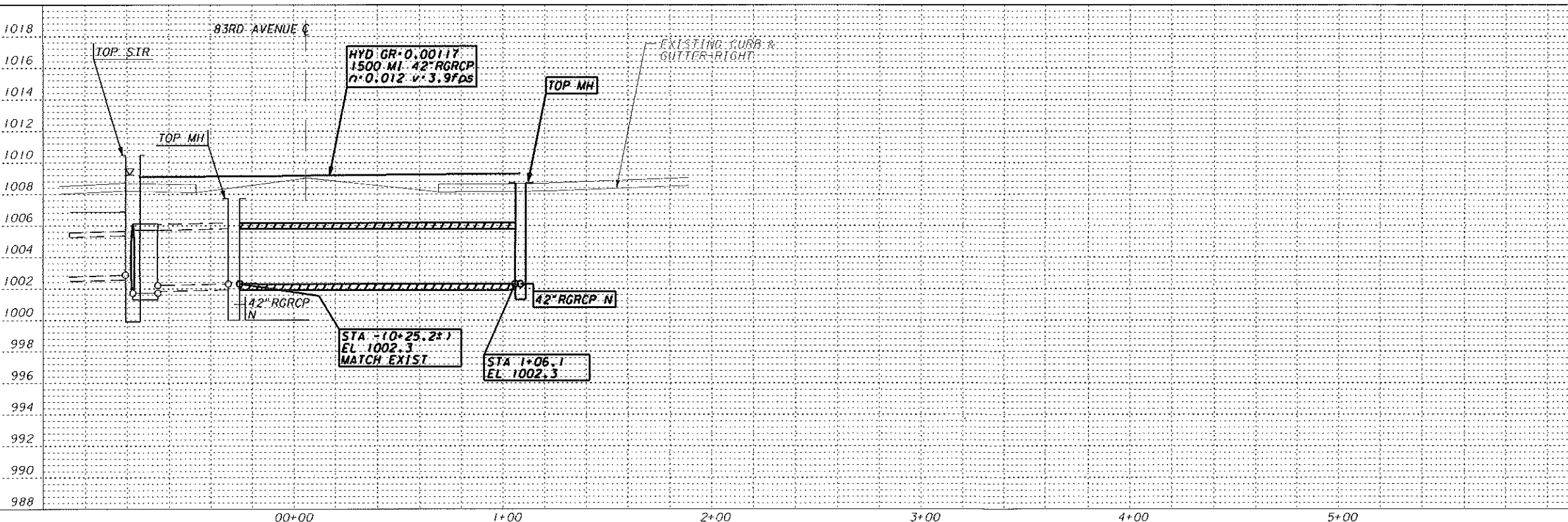
LOWER BUCKEYE RD

NE COR PLTO STR 2-23-84, 3
LOCATED AT 50' SOUTH AND
665' WEST OF THE NORTHEAST
CORNER OF SECTION 18, T1N, R1E.
ELEVATION 996.48'

0	RD-12940	BAJ	REJ	RMP	RMP	12/29/1
		BAJ	REJ	RMP	RMP	
REV NO.	JOB NO.	DFTR	DSGN	ENGR CHK	ISSUE AUTH	DATE

GRAND CANAL
LATERAL 21.0
SEC 14 T1N 1E
NW COR TO 100' E

SCALE: PLAN 1"=30', PROFILE 1"=4'			A1020093.DGN		SHEET 1
SUBJ CODE	DIST CODE	DWG SIZE	A-102-0093		23
PP	Y2	22X34			



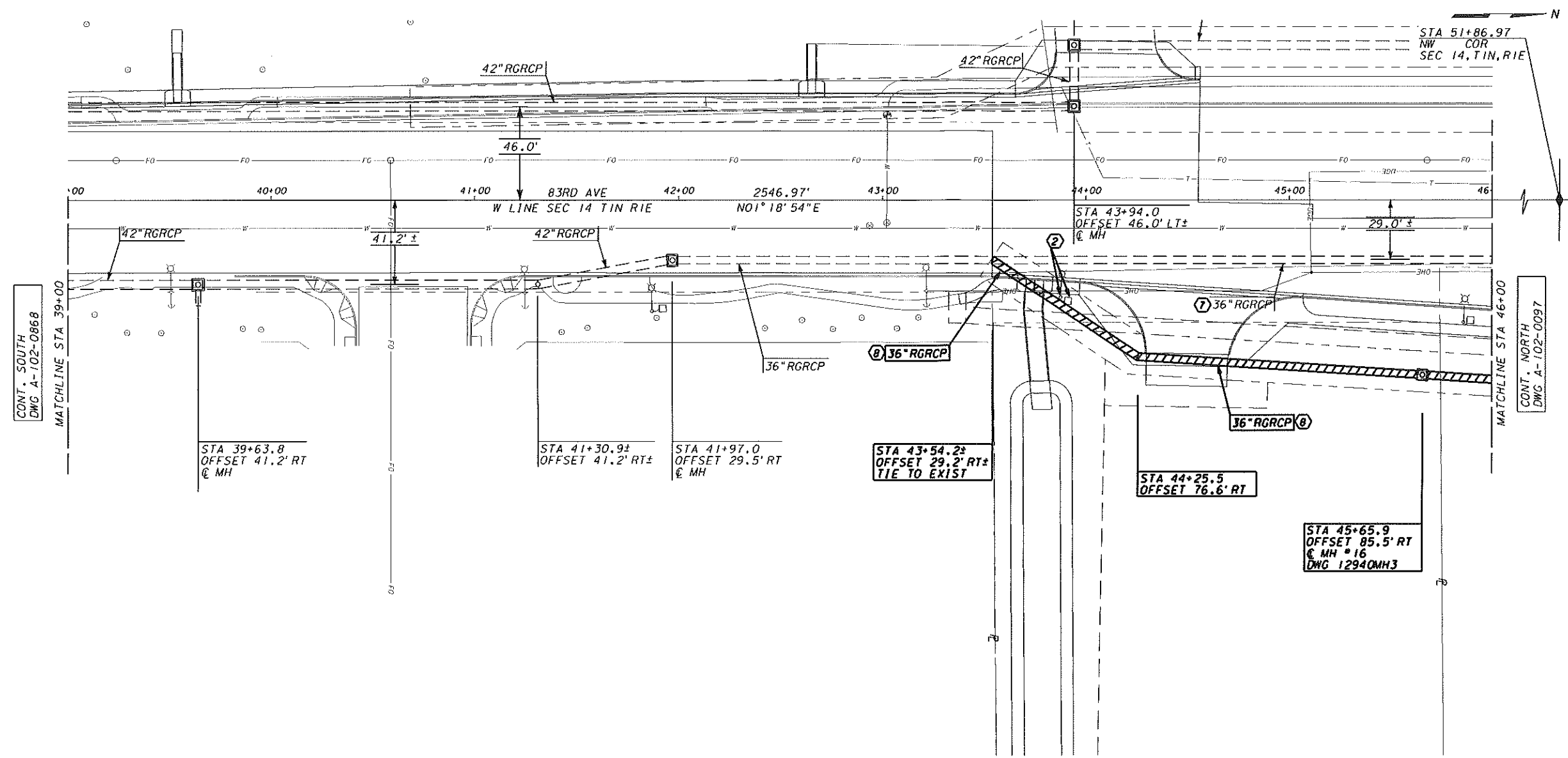
NOT FOR CONSTRUCTION 25 January 2018 PRINTED BY GR

REFERENCE FILES USED:
REF #1: MSBM.DGN
REF #2: MSBM.DGN
REF #3: MSBM.DGN
REF #4: MSBM.DGN

PPSNG.WDF

NO.	REV.	DATE	BY	CHK.	APPD.	AUTH.	REL.
1		04-03-06	JMS	CMT			
2		04-03-06	JMS	CMT			
3		04-10-07	JMS	CMT			
4		04-10-07	JMS	CMT			
5		04-10-07	JMS	CMT			
6		04-10-07	JMS	CMT			
7		04-10-07	JMS	CMT			
8		04-10-07	JMS	CMT			
9		04-10-07	JMS	CMT			
10		04-10-07	JMS	CMT			

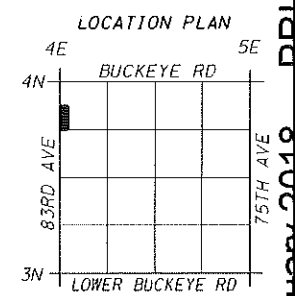
WDF-PPSNG



CONSTRUCTION NOTES

- THE GENERAL NOTES ON THE COVER SHEET INCLUDE ADDITIONAL REQUIREMENTS RELATING TO THIS WORK.
- UTILITY CROSSING/PARALLEL - SEE THE GENERAL NOTES CONCERNING BLUE STAKING EXISTING UTILITIES, MINIMUM CLEARANCES FROM SRP IRRIGATION FACILITIES, AND RELOCATING CONFLICTING UTILITIES.
- CUSTOMER SHALL REMOVE AND PROPERLY DISPOSE OF THOSE PARTS OF SRP IRRIGATION SYSTEM MADE OBSOLETE WHEN NEW SRP IRRIGATION SYSTEM IS COMPLETE AND OPERATIONAL. BACKFILL HOLES AND DEPRESSIONS TO BRING TO DESIGN GRADE.
- STANDARD SRP IRRIGATION MARKER BALLS, (STOCK CODE NO. 5011771), SHALL BE INSTALLED BY THE CUSTOMER'S CONTRACTOR, AS DIRECTED BY SRP, BETWEEN STATION 43+54.2 AND STATION 46+00.0 AND AT OTHER PIPE LOCATIONS AS INDICATED. PLACE BALLS AT EVERY ANGLE POINT, AT 100' INTERVALS ALONG STRAIGHT RUNS, 50' INTERVALS ON CURVED RUNS, AT BURIED END POINTS, AND 3' BELOW THE SURFACE OR ON TOP OF THE PIPE/COLLAR (EMBED IN WET CONCRETE), WHICHEVER IS SHALLOWER. CONTACT SRP WATER INSPECTOR TO RECEIVE THE SRP IRRIGATION MARKER BALLS.

ELEVATION EQUATION:
ELEVATION THIS DWG.
MINUS 0.09' EQUALS
ELEVATION OF MCDOT
PROJECT NO. TT345
MC 85 BUCKEYE ROAD



BENCHMARK:

NE COR PLT TO STR 2-23-84.3
LOCATED AT 50' SOUTH AND
665' WEST OF THE NORTHEAST
CORNER OF SECTION 18, T1N, R1E.
ELEVATION 996.48'

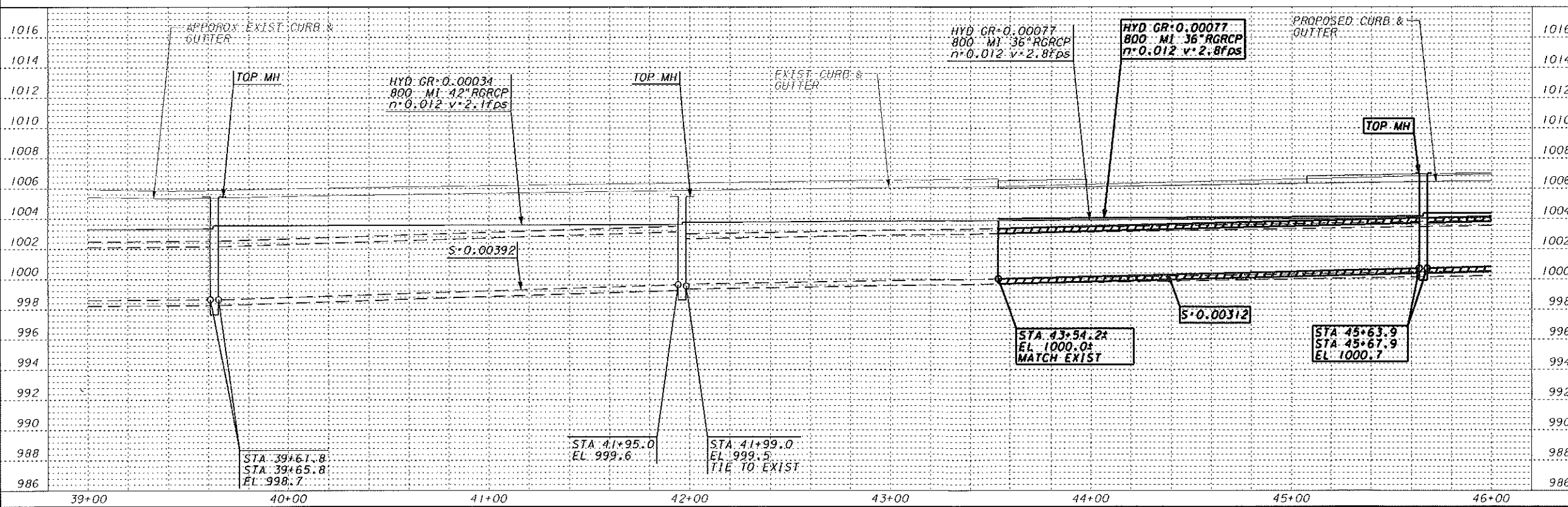
DRAWN FROM A-102-1034, SRP SURVEY W13-53393-01 &
DESIGN PLANS FROM MCDOT FOR MC 85 EXPANSION.
DESIGN FROM STA 43+51.2 TO STA 46+00.0

REV NO.	JOB NO.	DFTR	DSGN	ENGR	ISSUE	DATE
0	RD-12940	BAJ	REJ	RMP	RMP	12/29/1
1		BAJ	REJ	RMP	RMP	

SALT RIVER PROJECT
WATER ENGINEERING PHOENIX, ARIZONA

**GRAND CANAL
LATERAL 21.0
SEC 14 TIN RIE
16/3 COR TO
600' S/O NW COR**

SCALE: PLAN 1"=30', PROFILE 1"=4'
SUBJ CODE DIST CODE DWG SIZE
PP Y2 22X34 A-102-0096 242



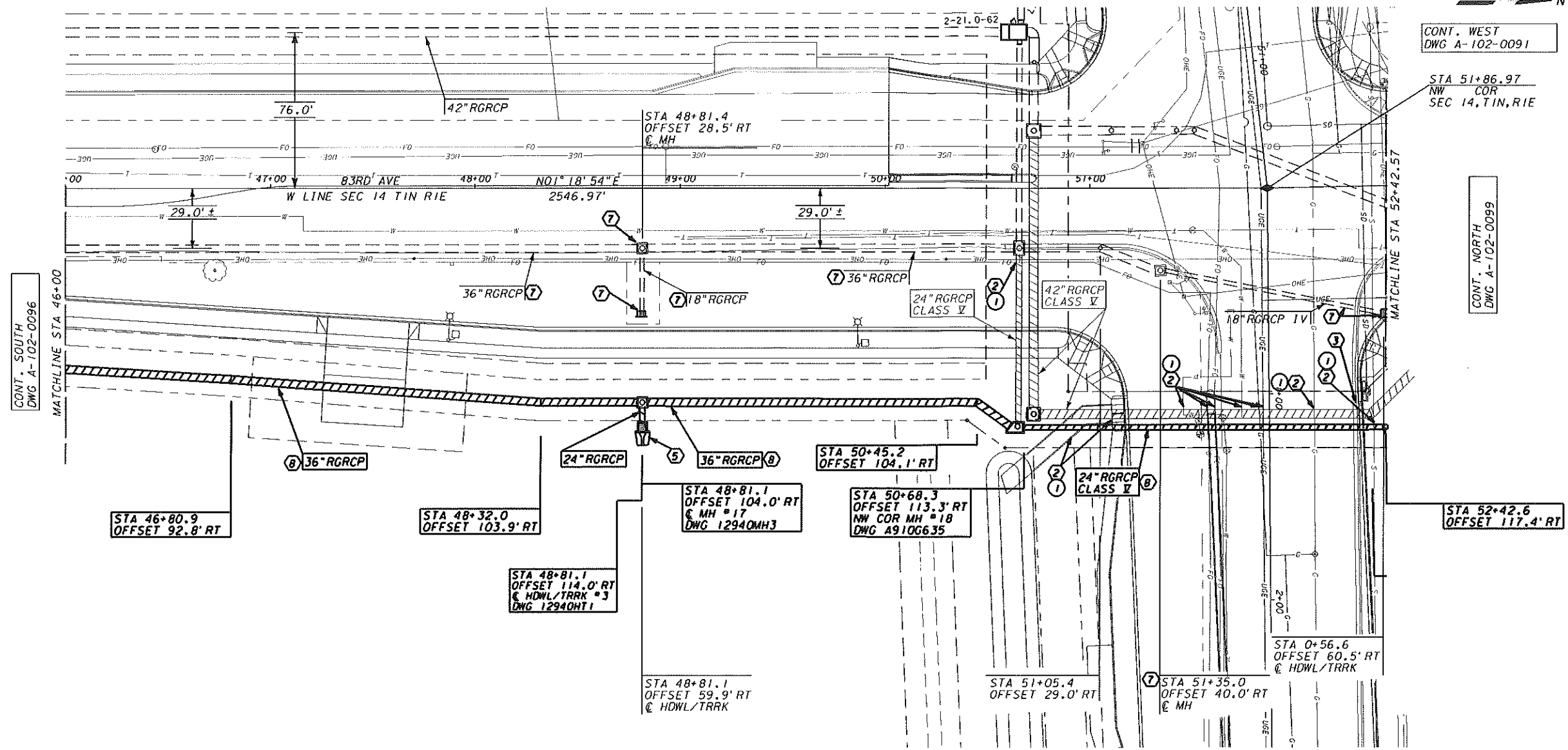
PRINTED BY GR 25 January 2018 NOT FOR CONSTRUCTION

REFERENCE FILES USED:
REF #1: MSBM.DGN
REF #2: MSBM.DGN
REF #3: MSBM.DGN
REF #4: MSBM.DGN

PPSNG, WDF

NO.	DATE	BY	CHK	APP'D	DATE	REL
1	04-01-06	JMS	CMT			
2	04-01-06	JMS	CMT			
3	04-01-06	JMS	CMT			
4	04-01-06	JMS	CMT			
5	04-01-06	JMS	CMT			
6	04-01-06	JMS	CMT			
7	04-01-06	JMS	CMT			
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10	04-01-06	JMS	CMT			

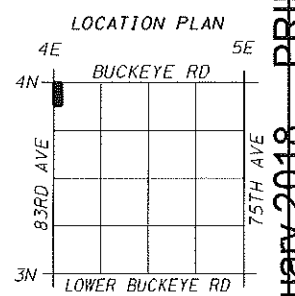
WDF-PPSNG



CONSTRUCTION NOTES

- THE GENERAL NOTES ON THE COVER SHEET INCLUDE ADDITIONAL REQUIREMENTS RELATING TO THIS WORK.
- UTILITY CROSSING/PARALLEL - SEE THE GENERAL NOTES CONCERNING BLUE STAKING EXISTING UTILITIES, MINIMUM CLEARANCES FROM SRP IRRIGATION FACILITIES, AND RELOCATING CONFLICTING UTILITIES.
- REMOVE AS REQUIRED FOR CONSTRUCTION.
- PRIVATE IRRIGATION SYSTEM CONNECTION TO BE DESIGNED AND CONSTRUCTED BY CUSTOMER.
- CUSTOMER SHALL REMOVE AND PROPERLY DISPOSE OF THOSE PARTS OF SRP IRRIGATION SYSTEM MADE OBSOLETE WHEN NEW SRP IRRIGATION SYSTEM IS COMPLETE AND OPERATIONAL. BACKFILL HOLES AND DEPRESSIONS TO BRING TO DESIGN GRADE.
- STANDARD SRP IRRIGATION MARKER BALLS, (STOCK CODE NO. 5011771), SHALL BE INSTALLED BY THE CUSTOMER'S CONTRACTOR, AS DIRECTED BY SRP, BETWEEN STATION 46+00.0 AND STATION 0+55.6 AND AT OTHER PIPE LOCATIONS AS INDICATED. PLACE BALLS AT EVERY ANGLE POINT, AT 100' INTERVALS ALONG STRAIGHT RUNS, 50' INTERVALS ON CURVED RUNS, AT BURIED END POINTS, AND 3' BELOW THE SURFACE OR ON TOP OF THE PIPE/COLLAR (EMBED IN WET CONCRETE), WHICHEVER IS SHALLOWER. CONTACT SRP WATER INSPECTOR TO RECEIVE THE SRP IRRIGATION MARKER BALLS.
- SEE SHEET PH0097 FOR UTILITY POTHOLE INFORMATION.

ELEVATION EQUATION:
ELEVATION THIS DWG.
MINUS 0.09' EQUALS
ELEVATION OF MCDOT
PROJECT NO. TT345
MC 85 BUCKEYE ROAD



BENCHMARK:

NE COR PLTO STR 2-23-84.3
LOCATED AT 50' SOUTH AND
665' WEST OF THE NORTHEAST
CORNER OF SECTION 18, T1N, R1E.
ELEVATION 996.48'

DRAWN FROM A-102-1034, SRP SURVEY W13-53393-01 &
DESIGN PLANS FROM MCDOT FOR MC 85 EXPANSION.
DESIGN FROM STA 46+00.0 TO STA 0+55.6

REV NO.	JOB NO.	DFTR	DSGN	ENGR	CHK	ISSUE	DATE
0	RD-12940	BAJ	REJ	RMP	RMP		12/29/11
1		BAJ	REJ	RMP	RMP		

SALT RIVER PROJECT
WATER ENGINEERING PHOENIX, ARIZONA

**GRAND CANAL
LATERAL 21.0
SEC 14 T1N R1E
600' S/O NW COR
TO 50' N/O NW COR**

SCALE: PLAN 1"=30', PROFILE 1"=4'	A1020097.DGN	SHEET 10
SUBJ CODE DIST CODE DWG SIZE	A-102-0097	25X34

NOT FOR CONSTRUCTION 25 January 2018 PRINTED BY GR

REFERENCE FILES USED:
REF #1: M5BM.DGN
REF #2: M5BM.DGN
REF #3: M5BM.DGN
REF #4: M5BM.DGN

PPSNG.WDF
FORM 129
WDF-PPSNG

CONT. SOUTH
DWG A-102-0094

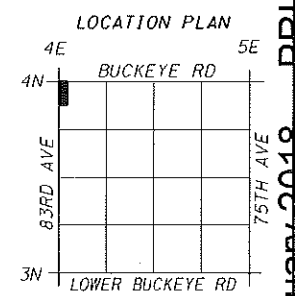
CONT. WEST
DWG A-102-0091

CONT. NORTH
DWG A-102-0099

CONSTRUCTION NOTES

- THE GENERAL NOTES ON THE COVER SHEET INCLUDE ADDITIONAL REQUIREMENTS RELATING TO THIS WORK.
- UTILITY CROSSING/PARALLEL - SEE THE GENERAL NOTES CONCERNING BLUE STAKING EXISTING UTILITIES, MINIMUM CLEARANCES FROM SRP IRRIGATION FACILITIES, AND RELOCATING CONFLICTING UTILITIES.
- REMOVE AS REQUIRED FOR CONSTRUCTION.
- CUSTOMER SHALL REMOVE AND PROPERLY DISPOSE OF THOSE PARTS OF SRP IRRIGATION SYSTEM MADE OBSOLETE WHEN NEW SRP IRRIGATION SYSTEM IS COMPLETE AND OPERATIONAL. BACKFILL HOLES AND DEPRESSIONS TO BRING TO DESIGN GRADE.
- STANDARD SRP IRRIGATION MARKER BALLS, (STOCK CODE NO. 5011771), SHALL BE INSTALLED BY THE CUSTOMER'S CONTRACTOR, AS DIRECTED BY SRP, BETWEEN STATION 50+72.7 AND STATION 51+87.0 AND AT OTHER PIPE LOCATIONS AS INDICATED. PLACE BALLS AT EVERY ANGLE POINT, AT 100' INTERVALS ALONG STRAIGHT RUNS, 50' INTERVALS ON CURVED RUNS, AT BURIED END POINTS, AND 3' BELOW THE SURFACE OR ON TOP OF THE PIPE/COLLAR (EMBED IN WET CONCRETE), WHICHEVER IS SHALLOWER. CONTACT SRP WATER INSPECTOR TO RECEIVE THE SRP IRRIGATION MARKER BALLS.
- SEE SHEET PH0097 FOR UTILITY POTHOLE INFORMATION.

ELEVATION EQUATION:
ELEVATION THIS DWG.
MINUS 0.09' EQUALS
ELEVATION OF MCDOT
PROJECT NO. TT345
MC 85 BUCKEYE ROAD



BENCHMARK:
NE COR PLTO STR 2-23-84.3
LOCATED AT 50' SOUTH AND
665' WEST OF THE NORTHEAST
CORNER OF SECTION 18, T1N, R1E.
ELEVATION 996.48'

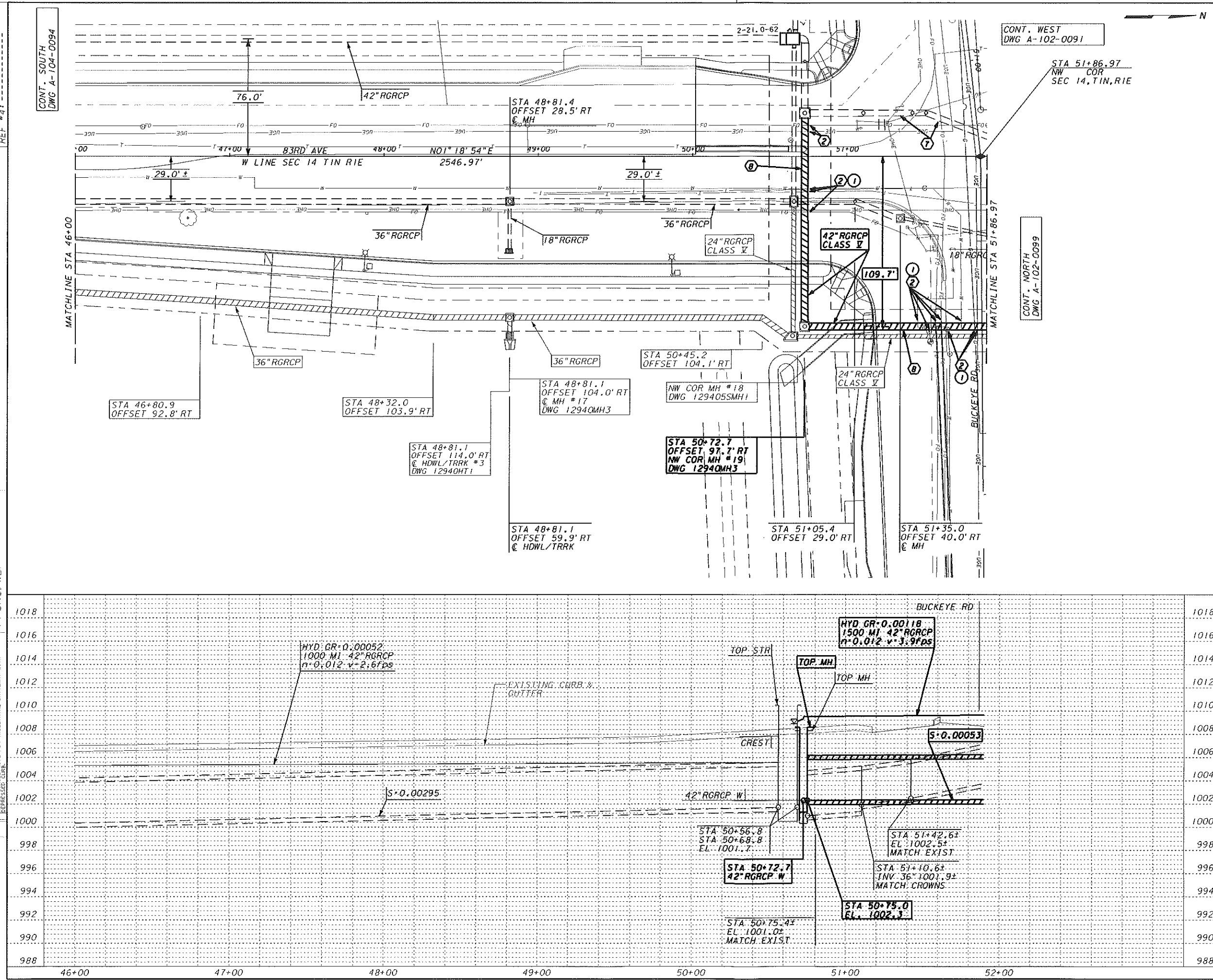
DRAWN FROM A-102-1034, SRP SURVEY W13-53393-01 &
DESIGN PLANS FROM MCDOT FOR MC 85 EXPANSION.
DESIGN FROM STA 50+72.7 TO STA 51+87.0

REV NO.	JOB NO.	DFTR	DSGN	ENGR	ISSUE	DATE
0	RD-12940	BAJ	REJ	RMP	RMP	12/29/1

SALT RIVER PROJECT
WATER ENGINEERING PHOENIX, ARIZONA

**GRAND CANAL
LATERAL 21.0
SEC 14 TIN R1E
120' S/O NW COR
TO NW COR**

SCALE: PLAN 1"=30', PROFILE 1"=4'
SUBJ CODE DIST CODE DWG SIZE
PP Y2 22X34
A1020098.DGN
SHEET 1
A-102-0098 262

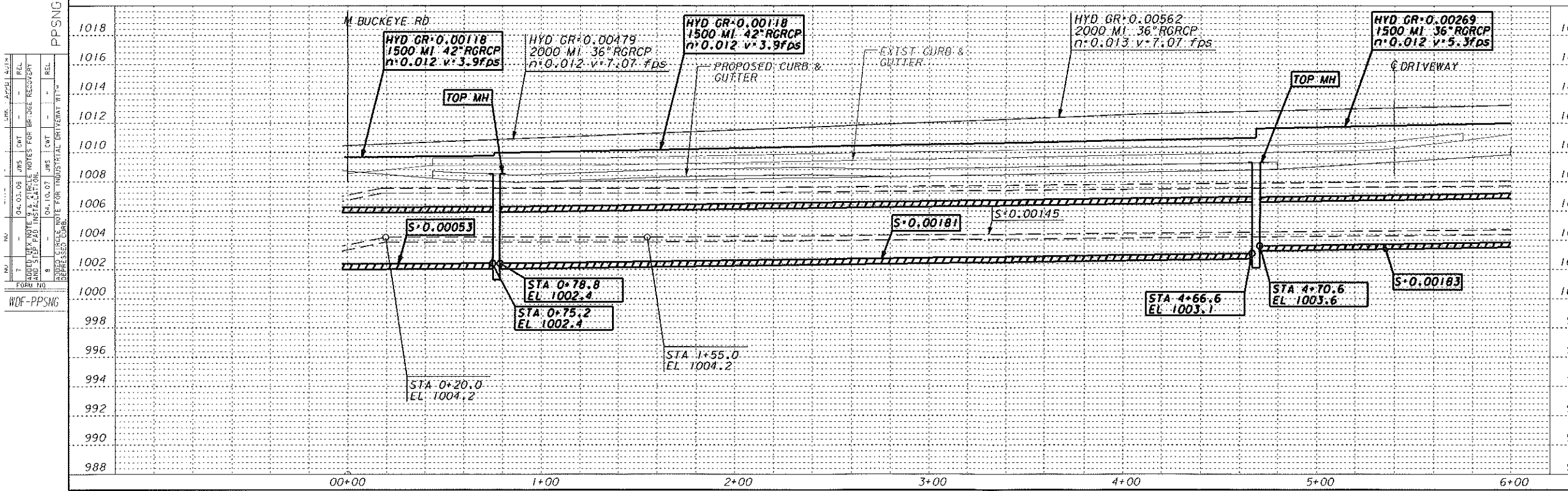
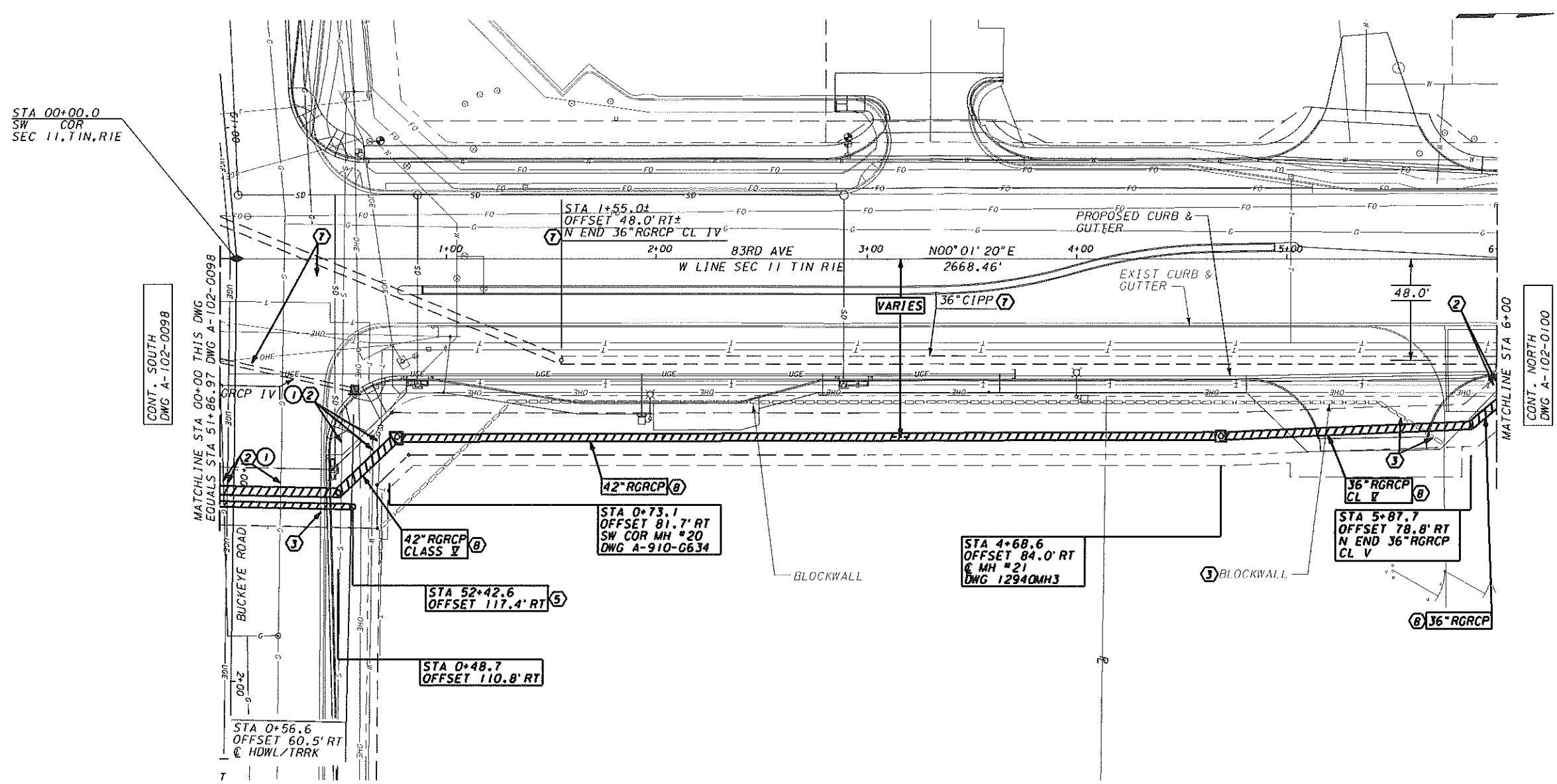


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REF #2: M5BM.DGN
REF #3: M5BM.DGN
REF #4: M5BM.DGN

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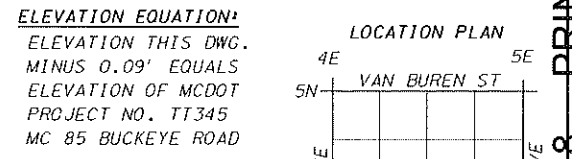
NO.	DATE	BY	CHKD	APPD	REVISION
1	04-03-08	JRS	DMT		REL
2	04-03-08	JRS	DMT		REL
3	04-03-08	JRS	DMT		REL
4	04-03-08	JRS	DMT		REL
5	04-03-08	JRS	DMT		REL
6	04-03-08	JRS	DMT		REL
7	04-03-08	JRS	DMT		REL
8	04-03-08	JRS	DMT		REL
9	04-03-08	JRS	DMT		REL
10	04-03-08	JRS	DMT		REL

WDF-PPSNG



CONSTRUCTION NOTES

- THE GENERAL NOTES ON THE COVER SHEET INCLUDE ADDITIONAL REQUIREMENTS RELATING TO THIS WORK.
- UTILITY CROSSING/PARALLEL - SEE THE GENERAL NOTES CONCERNING BLUE STAKING EXISTING UTILITIES, MINIMUM CLEARANCES FROM SRP IRRIGATION FACILITIES, AND RELOCATING CONFLICTING UTILITIES.
- REMOVE AS REQUIRED FOR CONSTRUCTION.
- PRIVATE IRRIGATION SYSTEM CONNECTION TO BE DESIGNED AND CONSTRUCTED BY CUSTOMER.
- CUSTOMER SHALL REMOVE AND PROPERLY DISPOSE OF THOSE PARTS OF SRP IRRIGATION SYSTEM MADE OBSOLETE WHEN NEW SRP IRRIGATION SYSTEM IS COMPLETE AND OPERATIONAL. BACKFILL HOLES AND DEPRESSIONS TO BRING TO DESIGN GRADE.
- STANDARD SRP IRRIGATION MARKER BALLS, (STOCK CODE NO. 5011771), SHALL BE INSTALLED BY THE CUSTOMER'S CONTRACTOR, AS DIRECTED BY SRP, BETWEEN STATION 0+00.0 AND STATION 6+00.0 AND AT OTHER PIPE LOCATIONS AS INDICATED. PLACE BALLS AT EVERY ANGLE POINT, AT 100' INTERVALS ALONG STRAIGHT RUNS, 50' INTERVALS ON CURVED RUNS, AT BURIED END POINTS, AND 3' BELOW THE SURFACE OR ON TOP OF THE PIPE/COLLAR (EMBED IN WET CONCRETE), WHICHEVER IS SHALLOWER. CONTACT SRP WATER INSPECTOR TO RECEIVE THE SRP IRRIGATION MARKER BALLS.
- SEE SHEET PH0097 & PH0099 FOR UTILITY POTHOLE INFORMATION.



BENCHMARK:
NE COR PLT TO STR 2-23-84.3
LOCATED AT 50' SOUTH AND
665' WEST OF THE NORTHEAST
CORNER OF SECTION 18, T1N, R1E.
ELEVATION 996.48'

DRAWN FROM A-102-546, SRP SURVEY W13-53393-01 &
DESIGN PLANS FROM MCDOT FOR MC 85 EXPANSION.
DESIGN FROM STA 0+00.0 TO STA 6+00.0

REV NO.	JOB NO.	DFTR	DSGN	ENGR	ISSUE	DATE
0	RD-12940	BAJ	REJ	RMP	RMP	12/29/1

SALT RIVER PROJECT
WATER ENGINEERING PHOENIX, ARIZONA

**GRAND CANAL
LATERAL 21.0
SEC 11 TIN R1E
SW COR TO
600' N/O SW COR**

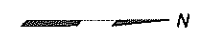
SCALE: PLAN 1"=30', PROFILE 1"=4'	A1020099.DGN	SHEET 272
SUBJ CODE	DIST CODE	DWG SIZE
PP	Y2	22X34

NOT FOR CONSTRUCTION 25 January 2018 PRINTED BY GR

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REF #2: M5BM.DGN
REF #3: M5BM.DGN
REF #4: M5BM.DGN

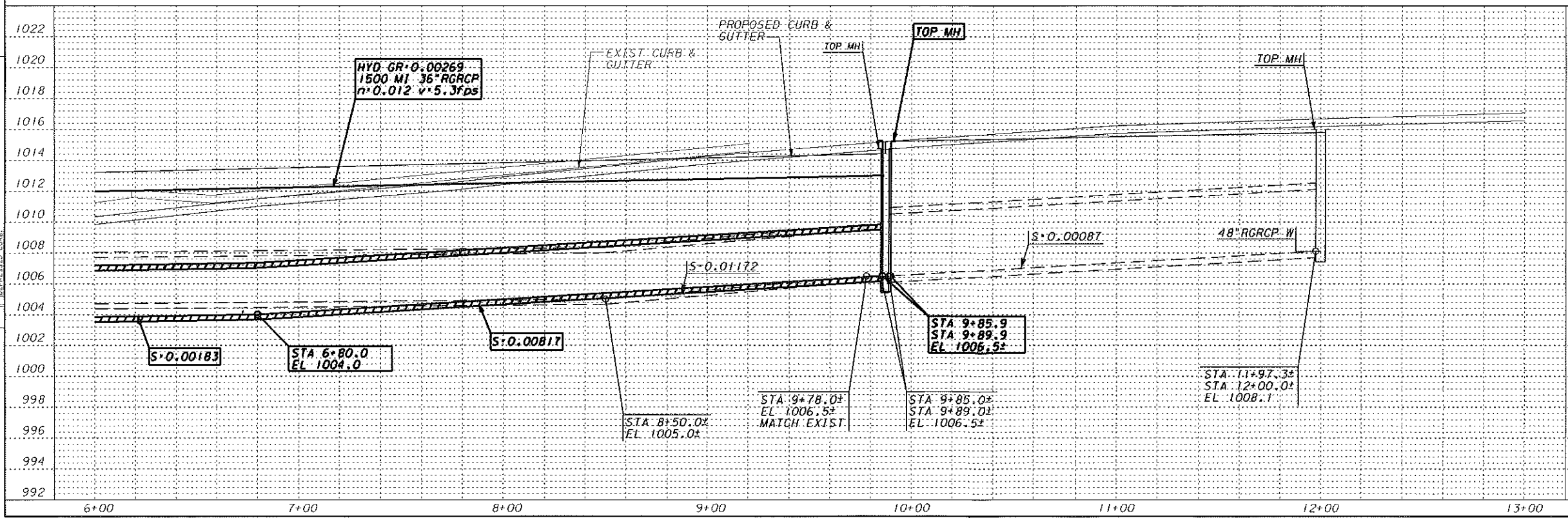
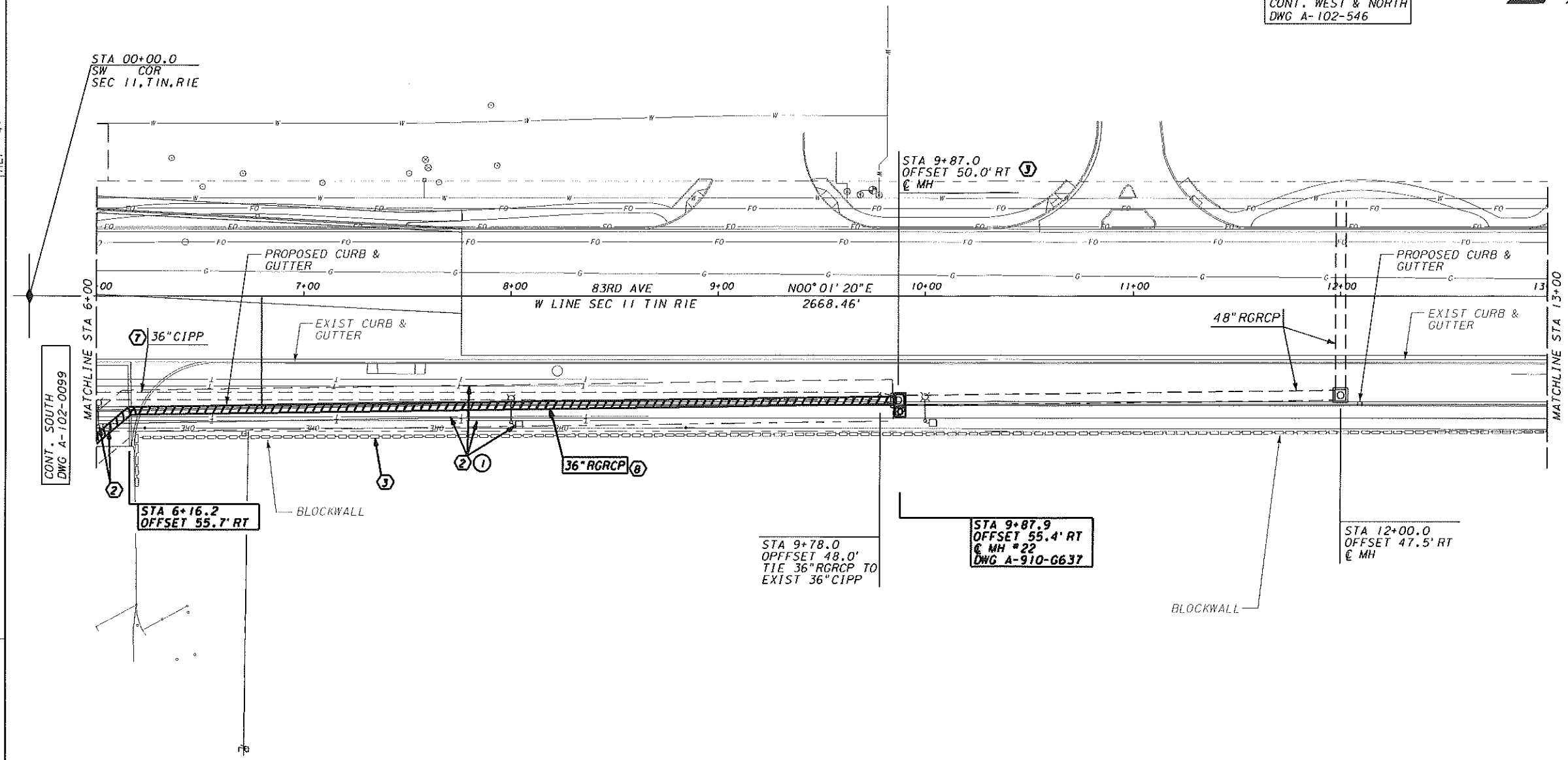
PPSNG.WDF
WDF-PPSNG
FORM 180
7. THE USER SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE DATA ENTERED INTO THE SOFTWARE.
8. THE USER SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE DATA ENTERED INTO THE SOFTWARE.
9. THE USER SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE DATA ENTERED INTO THE SOFTWARE.

CONT. WEST & NORTH
DWG A-102-546

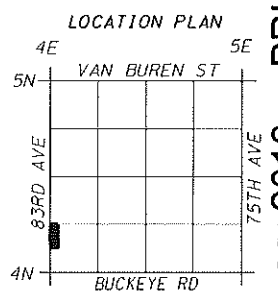


CONSTRUCTION NOTES

- THE GENERAL NOTES ON THE COVER SHEET INCLUDE ADDITIONAL REQUIREMENTS RELATING TO THIS WORK.
- UTILITY CROSSING/PARALLEL - SEE THE GENERAL NOTES CONCERNING BLUE STAKING EXISTING UTILITIES, MINIMUM CLEARANCES FROM SRP IRRIGATION FACILITIES, AND RELOCATING CONFLICTING UTILITIES.
- REMOVE AS REQUIRED FOR CONSTRUCTION.
- CUSTOMER SHALL REMOVE AND PROPERLY DISPOSE OF THOSE PARTS OF SRP IRRIGATION SYSTEM MADE OBSOLETE WHEN NEW SRP IRRIGATION SYSTEM IS COMPLETE AND OPERATIONAL. BACKFILL HOLES AND DEPRESSIONS TO BRING TO DESIGN GRADE.
- STANDARD SRP IRRIGATION MARKER BALLS, (STOCK CODE No. 5011771), SHALL BE INSTALLED BY THE CUSTOMER'S CONTRACTOR, AS DIRECTED BY SRP, BETWEEN STATION 6+00.0 AND STATION 9+85.9 AND AT OTHER PIPE LOCATIONS AS INDICATED. PLACE BALLS AT EVERY ANGLE POINT, AT 100' INTERVALS ALONG STRAIGHT RUNS, 50' INTERVALS ON CURVED RUNS, AT BURIED END POINTS, AND 3' BELOW THE SURFACE OR ON TOP OF THE PIPE/COLLAR (EMBED IN WET CONCRETE), WHICHEVER IS SHALLOWER. CONTACT SRP WATER INSPECTOR TO RECEIVE THE SRP IRRIGATION MARKER BALLS.
- SEE SHEET PH0100 FOR UTILITY POTHOLE INFORMATION.



ELEVATION EQUATION:
ELEVATION THIS DWG.
MINUS 0.09' EQUALS
ELEVATION OF MCDOT
PROJECT NO. TT345
MC 85 BUCKEYE ROAD



BENCHMARK:
NE COR PLT0 STR 2-23-84.3
LOCATED AT 50' SOUTH AND
665' WEST OF THE NORTHEAST
CORNER OF SECTION 18, T1N, R1E.
ELEVATION 996.48'

DRAWN FROM A-102-546, SRP SURVEY W13-53393-01 &
DESIGN PLANS FROM MCDOT FOR MC 85 EXPANSION.
DESIGN FROM STA 6+00.0 TO STA 9+89.9

REV NO.	JOB NO.	DFTR	DSGN	ENGR	CHK	ISSUE	DATE
0	RD-12940	BAJ	REJ	RMP	RMP		12/29/11
		BAJ	REJ	RMP	RMP		

SALT RIVER PROJECT
WATER ENGINEERING PHOENIX, ARIZONA

**GRAND CANAL
LATERAL 21.0
SEC 11 TIN RIE
600' N/O SW COR
16/4 COR**

SCALE: PLAN 1"=30', PROFILE 1"=4'	A1020100.DGN	SHEET 28
SUBJ CODE DIST CODE DWG SIZE	PP Y2 22X34	A-102-0100

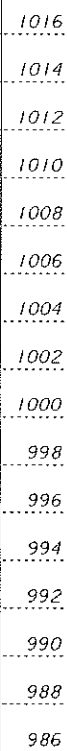
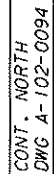
NOT FOR CONSTRUCTION 25 January 2018 PRINTED BY GR

REF #1:	REF #2:	REF #3:	REF #4:

NO	NO	DATE	CHK	APPD	AUTH
9		06.28.16	NWS	-	REL
REVISE NOTE # STOCK CODE REFERENCE AND CONTACT FOR IRRIGATION MARKER BALL ACQUISITION.					
8		04.10.07	NWS	-	REL
ADDED ELIPEC NOTE FOR INDUSTRIAL DRIVEWAY WITH EXPANDED CURB.					

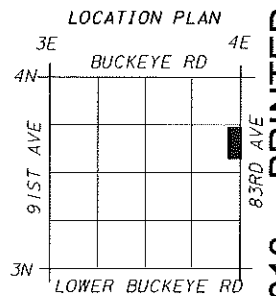
FORM NO

WDF-PPSNC



- 1 THE GENERAL NOTES ON THE COVER SHEET INCLUDE ADDITIONAL REQUIREMENTS RELATING TO THIS WORK.
- 2 UTILITY CROSSING/PARALLEL - SEE THE GENERAL NOTES CONCERNING BLUE STAKING EXISTING UTILITIES, MINIMUM CLEARANCES FROM SRP IRRIGATION FACILITIES, AND RELOCATING CONFLICTING UTILITIES.
- 3 REMOVE AS REQUIRED FOR CONSTRUCTION.
- 6 STANDARD SRP IRRIGATION MARKER BALLS, (STOCK CODE NO. 50117711), SHALL BE INSTALLED BY THE CUSTOMER'S CONTRACTOR, AS DIRECTED BY SRP, BETWEEN STATION 36+60.7 AND STATION 39+00.0 AND AT OTHER PIPE LOCATIONS AS INDICATED. PLACE BALLS AT EVERY ANGLE POINT, AT 100' INTERVALS ALONG STRAIGHT RUNS, 50' INTERVALS ON BUILT-UP, BURNED, AND END POINTS, AND 3' BELOW THE SURFACE OR ON TOP OF THE PIPE CO. AIR (EMBED IN WET CONCRETE), WHICHEVER IS SHALLOWER. CONTACT SRP WATER INSPECTOR TO RECEIVE THE SRP IRRIGATION MARKER BALLS.

ELEVATION THIS DWG.
MINUS 0.09' EQUALS
ELEVATION OF MCDOT
PROJECT NO. TT345
MC 85 BUCKEYE ROAD



NE COR PLTO STR 2-23-84.3
LOCATED AT 50' SOUTH AND
665' WEST OF THE NORTHEAST
CORNER OF SECTION 18, T1N, R1E.
ELEVATION 996.48'

DRAWN FROM SRP SURVEY W13-53393-01 & DWG A-102-0972
DESIGN FROM STA 36+60.7 TO STA 39+00.0.

0	RD-12940	REJ	REJ	RMP	RMP	12/29/1
		REJ	REJ	RMP	RMP	
REV NO.	JOB NO.	DFTR	DSGN	ENGR CHK	ISSUE AUTH	DATE



SALT RIVER PROJECT
WATER ENGINEERING ♦ PHOENIX, ARIZONA

GRAND CANAL
LATERAL 21.0
SEC 15 TIN RIE
600' N/O E4 COR
TO 16/8 COR

SCALE: PLAN 1"=30', PROFILE 1"=4'			A-102-1496.DGN		SHEET 14
SUBJ CODE	DIST CODE	OWG SIZE	A-102-1496		28
PP	Y2	22X34			

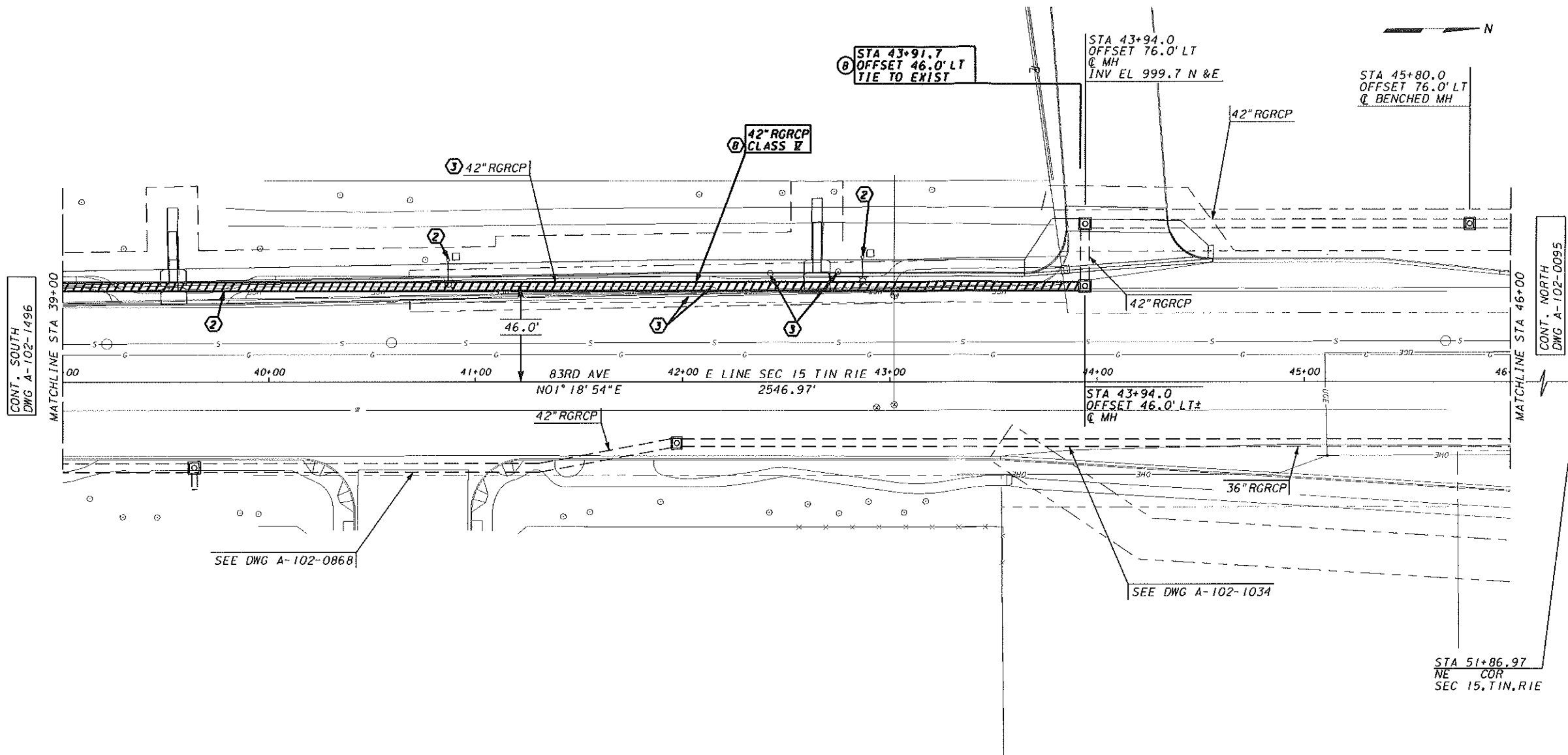
NOT FOR CONSTRUCTION 25 January 2018 PRINTED BY GR
83RD AVE
1972

REFERENCE FILES USED:
REF #1: M4BM.DGN
REF #2: M4BM.DGN
REF #3: ---
REF #4: ---

PPSNG.WDF

NO.	REV.	DATE	BY	CHK.	APP.	REL.
1		04.03.06	JMS	CNT		REL
2		04.03.06	JMS	CNT		REL
3		04.03.06	JMS	CNT		REL
4		04.03.06	JMS	CNT		REL
5		04.03.06	JMS	CNT		REL
6		04.03.06	JMS	CNT		REL
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WDF-PPSNG



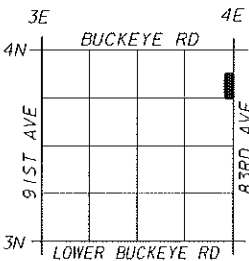
CONSTRUCTION NOTES

- THE GENERAL NOTES ON THE COVER SHEET INCLUDE ADDITIONAL REQUIREMENTS RELATING TO THIS WORK.
- UTILITY CROSSING/PARALLEL - SEE THE GENERAL NOTES CONCERNING BLUE STAKING EXISTING UTILITIES, MINIMUM CLEARANCES FROM SRP IRRIGATION FACILITIES, AND RELOCATING CONFLICTING UTILITIES.
- REMOVE AS REQUIRED FOR CONSTRUCTION.
- STANDARD SRP IRRIGATION MARKER BALLS, (STOCK CODE NO. 5011771), SHALL BE INSTALLED BY THE CUSTOMER'S CONTRACTOR, AS DIRECTED BY SRP, BETWEEN STATION 39+00.0 AND STATION 43+91.7 AND AT OTHER PIPE LOCATIONS AS INDICATED. PLACE BALLS AT EVERY ANGLE POINT, AT 100' INTERVALS ALONG STRAIGHT RUNS, 50' INTERVALS ON CURVED RUNS, AT BURIED END POINTS, AND 3' BELOW THE SURFACE OR ON TOP OF THE PIPE/COLLAR (EMBED IN WET CONCRETE), WHICHEVER IS SHALLOWER. CONTACT SRP WATER INSPECTOR TO RECEIVE THE SRP IRRIGATION MARKER BALLS.
- TIE TO EXIST MANHOLE IN ACCORDANCE WITH SRP STANDARD DWG. WES-30300-005

ELEVATION EQUATION:

ELEVATION THIS DWG.
MINUS 0.09' EQUALS
ELEVATION OF MCDOT
PROJECT NO. TT345
MC 85 BUCKEYE ROAD

LOCATION PLAN



BENCHMARK:

NE COR PLTO STR 2-23-84.3
LOCATED AT 50' SOUTH AND
665' WEST OF THE NORTHEAST
CORNER OF SECTION 18, T1N, R1E.
ELEVATION 996.48'

DRAWN FROM SRP SURVEY W13-53393-01 &
DESIGN FROM STA 39+00.0 TO STA 43+91.7

3	RD-12940	BAJ	REJ	RMP	RMP	12/29/17
		BAJ	REJ	RMP	RMP	

INSTALLATION RECORD DRAWING

2	RD-22954	BAJ	---	GWB	---	09/07/17
		BAJ	---	GWB	---	

ADDED SOUTHWEST GAS LINE RUNNING N/S.

1	RD-22954	BAJ	GWB	RMP	RMP	08/29/17
		BAJ	GWB	RMP	RMP	

DRAWN FROM SRP SURVEY W13-53393-01 &
DESIGN FROM STA 43+19.5 TO STA 46+96.3.

0	RD-22954	BAJ	GWB	RMP	RMP	08/22/17
		BAJ	GWB	RMP	RMP	

REV	NO.	JOB NO.	DFTR	DSGN	ENGR	ISSUE	DATE
					CHK	AUTH	

SALT RIVER PROJECT
WATER ENGINEERING ♦ PHOENIX, ARIZONA

**GRAND CANAL
LATERAL 21.0
SEC 15 T1N R1E
16/8 COR TO
600' S/O NE COR**

SCALE: PLAN 1"=30', PROFILE 1"=4'
SUBJ CODE DIST CODE DWG SIZE
PP Y2 22X34

A-102-0094 285

NOT FOR CONSTRUCTION 25 January 2018 PRINTED BY GR

MANHOLE CONSTRUCTION DATA

MANHOLE NUMBER	STATION	REFERENCE DRAWING	TOP EL.±	BOT. EL.	PIPE 1		PIPE 2		PIPE 3		MANHOLE DIMENSIONS								MANHOLE LOCATION	
					TYPE	INV. EL.	TYPE	INV. EL.	TYPE	INV. EL.	A	B	C	D	E	F	G	H	ROADWAY	SIDEWALKS/LANDSCAPE
7	0+77.0	A-102-0082	1001.5	992.9	24" RGRCP CLASS 5	996.0	48" RGRCP	993.9	48" RGRCP CLASS 5	993.9	60"	72"	72"	18"	12 3/8"	3"	3 3/4"	93"	-	X
20	0+73.1	A-102-0099	1008.5	1001.3	42" RGRCP	1002.3	-----	-----	42" RGRCP CLASS 5	1002.4	60"	60"	56"	24"	17 1/8"	3 5/8"	2 7/8"	76 1/2"	-	X

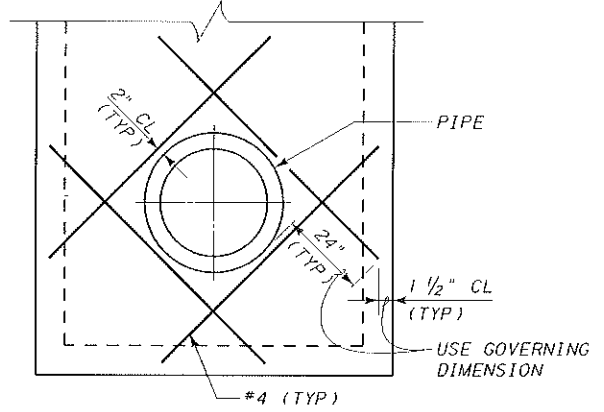
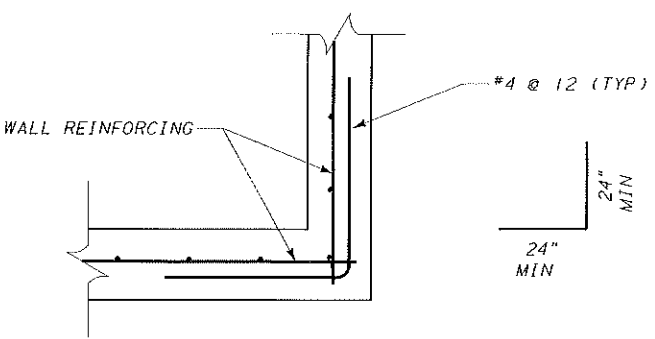
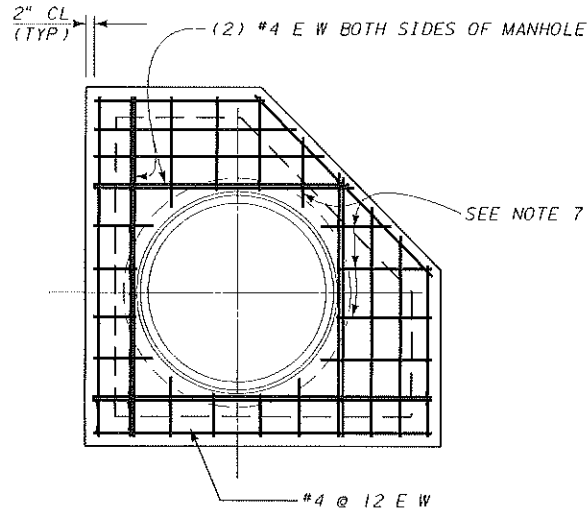
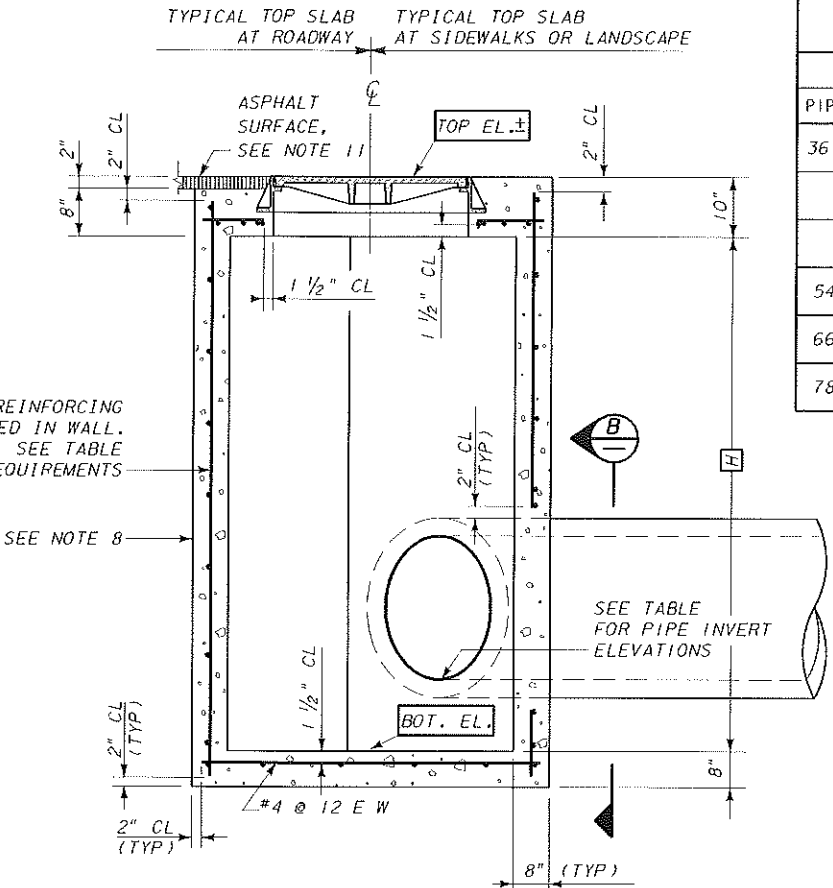
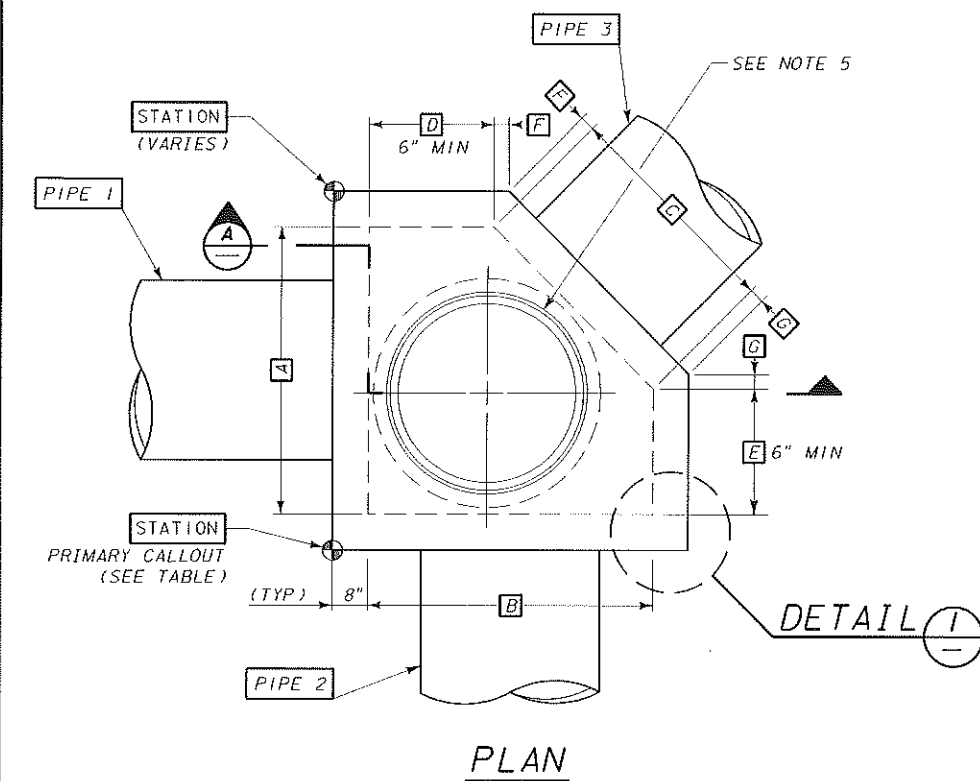
DESIGN CRITERIA

HS20 HIGHWAY LOADING, 32 KIPS ON REAR AXLE (16 KIPS/WHEEL), WHEEL SPACING 6', 30% IMPACT. ONE WHEEL CENTERED ON MANHOLE, OTHER WHEEL ADJACENT TO MANHOLE.

NOTES

- STRUCTURAL CONCRETE SHALL BE 3000 PSI @ 28 DAYS (MAG A) PER SRP 03300.
- REINFORCING STEEL SHALL COMPLY WITH REQUIREMENTS OF SRP 03210; BARS SHALL BE ASTM A615 GRADE 60 AND WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.
- CONCRETE PLACEMENT SHALL BE PER GE 03305.
- SEE PLAN AND PROFILE DRAWING FOR CORRECT ORIENTATION OF MANHOLE.
- STANDARD SRP 30" CAST IRON MANHOLE FRAME AND COVER (STOCK CODE No. 004-0424) CENTERED IN TOP OF MANHOLE. CONTACT SRP INVESTMENT RECOVERY DEPARTMENT AT (602) 236-2908, TO PURCHASE SRP MANHOLE FRAME AND COVER.
- NOT TO BE USED FOR STAKING. EXACT TOP ELEVATION TO BE SET BY CUSTOMER'S ENGINEER BASED ON CUSTOMER'S PAVING & GRADING PLANS.
- FIELD CUT REBAR AT MANHOLE.
- CONCRETE SHALL BE PLACED WITH NO COLD JOINTS. ALL CONCRETE SHALL BE VIBRATED DURING PLACEMENT.
- DIMENSIONS A, B & C SHALL NOT EXCEED 104", AND DIMENSION H SHALL NOT EXCEED 180".
- FOR PRESSURE MANHOLES, MAXIMUM HEAD SHALL NOT EXCEED 60" ABOVE TOP ELEVATION.
- PROVIDE ASPHALT SURFACE AS REQUIRED.

MINIMUM REQUIREMENTS		
PIPE DIAMETER	WALL LENGTH	
	A, B & C	REINFORCING STEEL
36" OR LESS	48"	#4 @ 12" E.W. OR (1) LAYER 6x6-W5.5xW5.5 WWF
42"	56"	
48"	68"	
54" OR 60"	80"	#4 @ 12" E.W. OR 6x6-W10xW10 WWF
66" OR 72"	92"	
78" OR 84"	104"	



REFERENCES

REINFORCING SPECIFICATION _____ SRP 03210
CONCRETE SPECIFICATION _____ SRP 03300
CONCRETE PLACEMENT SPECIFICATION _____ GE 03305

DESIGN FOR CONSTRUCTION

0	12940	BAJ	REJ	RMP	RMP	12/29/1
REV NO.	JOB NO.	DFTR	DSGN	EHGR	ISSUE	DATE

SALT RIVER PROJECT
WATER ENGINEERING PHOENIX, ARIZONA

FIVE-SIDED MANHOLE PLANS, SECTIONS AND DETAILS

SCALE: NONE	A910G634.DGN	SHEET 3
SUBJ CODE	DIST CODE	DWG SIZE
MH	Y3	22X34
A-910-G634		33

NO.	NO.	DATE	BY	CHK	APPD	AUTH
7	04-08-08	JWS	-	CWT	-	REL
REVISED TO "PERMANENT DWG NUMBER REQUIRED" STATUS.						
0	04-01-08	09/97	MOD	CWT	-	REL
INITIAL ISSUE.						
FORM NO.						

DF-551DEDMH

551DEDMH.WDF

NOT FOR CONSTRUCTION 25 January 2018 PRINTED BY GR

SEE NOTE 6-7

✓ SEE NOTE 9

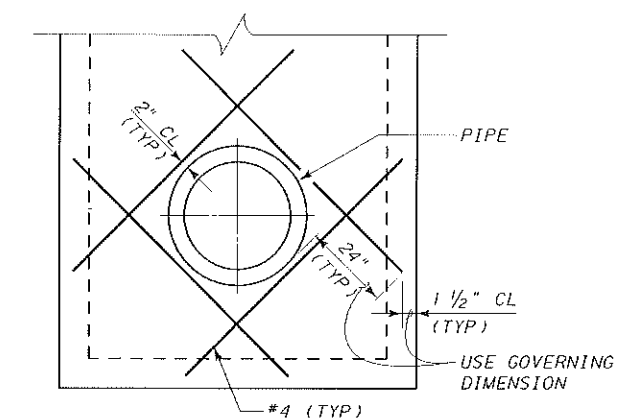
HS20 HIGHWAY LOADING, 32 KIPS ON REAR AXLE
(16 KIPS/WHEEL), WHEEL SPACING 6', 30% IMPACT.
ONE WHEEL CENTERED ON MANHOLE, OTHER WHEEL
ADJACENT TO MANHOLE.

1. STRUCTURAL CONCRETE SHALL BE 3000 PSI @ 28 DAYS (MAG A) PER SRP 03300.
2. REINFORCING STEEL SHALL COMPLY WITH REQUIREMENTS OF SRP 03210; BARS SHALL BE ASTM A615 GRADE 60 AND WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.
3. CONCRETE PLACEMENT SHALL BE PER GE 03305.
4. SEE PLAN AND PROFILE DRAWING FOR CORRECT ORIENTATION OF MANHOLE.
5. STANDARD SRP 30" CAST IRON MANHOLE FRAME AND COVER (STOCK CODE No. 5011703) CENTERED IN TOP OF MANHOLE. CONTACT SRP INVESTMENT RECOVERY DEPARTMENT AT (602) 236-2908, TO PURCHASE SRP MANHOLE FRAME AND COVER.
6. NOT TO BE USED FOR STAKING. EXACT TOP ELEVATION TO BE SET BY CUSTOMER'S ENGINEER BASED ON CUSTOMER'S PAVING & GRADING PLANS.
7. FIELD CUT REBAR AT MANHOLE.
8. CONCRETE SHALL BE PLACED WITH NO COLD JOINTS. ALL CONCRETE SHALL BE VIBRATED DURING PLACEMENT.
9. DIMENSIONS [A], [B] & [C] SHALL NOT EXCEED 104", AND DIMENSION [H] SHALL NOT EXCEED 180".
10. FOR PRESSURE MANHOLES, MAXIMUM HEAD SHALL NOT EXCEED 60" ABOVE TOP ELEVATION.
11. PROVIDE ASPHALT SURFACE AS REQUIRED.
12. TIE IN INTO THIS PIPE IS A TEMPORARY PROVISION ONLY. AFTER USE REMOVE ALL TEMPORARY PIPE AND COLLARS AND INSTALL A PERMANENT HARD PLUG IN THE THE 4' PIPE JOINT PER SRP CONSTRUCTION SPECIFICATIONS AND REQUIREMENTS.



WALL LENGTH		REINFORCING STEEL
PIPE DIAMETER	A, B & C	
36" OR LESS	48"	#4 @ 12" E.W. OR (1) LAYER 6x6-W5.5xH5.5 WWF
42"	56"	
48"	68"	
54" OR 60"	80"	
66" OR 72"	92"	#4 @ 12" E.W. OR 6x6-W10xH10 WWF
78" OR 84"	104"	

REINFORCING SPECIFICATION _____ SRP 03210
CONCRETE SPECIFICATION _____ SRP 03300
CONCRETE PLACEMENT SPECIFICATION _____ GE 03305



SECTION (B)

NOTE: MAIN WALL REINFORCING NOT SHOWN.

0	RD-12940	REJ	REJ	RMP	RMP	12/29/1
		REJ	REJ	RMP	RMP	
REV NO.	JOB NO.	DFTR	DSGN	ENGR CHK	ISSUE AUTH	DATE



MODIFIED FIVE-SIDED MANHOLE PLANS, SECTIONS AND DETAILS

SCALE: NONE			A910G635. DGN	SHEET 1
SUBJ CODE	DIST CODE	DWG SIZE	A-910-G635	34
MH	Y3	22X34		

NOT FOR CONSTRUCTION 25 January 2018 PRINTED BY CR

ESIDEDMH.WOF

NO	NO	DATE	DELIVERED	CHK	APPD	AUTH
B	-	01.20.15	JWS	-	-	REL
C	RAD-01803	09/97	MOD	CWT	-	REL

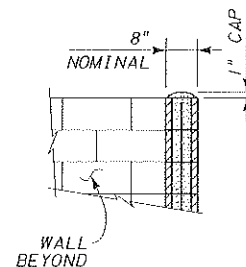
INITIAL ISSUE.

DF-5S / DEDMH

SEE NOTE 12

TABLE 1
SEE WES-CHKBDGDE

1. SEE PLAN/PROFILE DRAWING(S) FOR ORIENTATION OF HEADWALL(S).
2. UNLESS OTHERWISE NOTED, CONCRETE SHALL BE 3000 PSI (MAG A). SPRAY CONCRETE WITH WHITE CURING COMPOUND.
3. REINFORCING STEEL TO BE ASTM A615 GRADE 60.
4. TOP OF CONCRETE FLOOR TO MATCH THE LOWEST PIPE INVERT (EL. 1).
5. MATCH WIDTH, ELEVATION, AND SLOPE OF EXISTING DITCH, OR AS DIRECTED BY SRP ENGINEERING.
6. SHAPE AND COMPACT TRANSITION LINING SUBGRADE FROM HEADWALL TO 36" PAST UNDISTURBED UNLINED DITCH, OR TO UPSTREAM END OF TRANSITION, WHICHEVER IS GREATER.
7. EXTEND TRANSITION LINING FROM FACE (EL. 4) OF WINGWALLS TO EXISTING DITCH OR CONCRETE LINING BY LENGTH (D), AND MATCH FINISH WITH EXISTING SLIPFORM LINING (IF APPLICABLE).
8. IF TRANSITION LENGTH (D) EXCEEDS 120", TRANSVERSE CONTROL JOINTS ARE REQUIRED AT EQUAL SPACING NOT TO EXCEED 120".
9. TRASHRACKS MAY BE INSTALLED IN ANY SEQUENCE OR ORDER, MAINTAINING THE 6 $\frac{3}{4}$ " SPACING BETWEEN BARS OF ADJACENT UNITS AND EQUAL DISTANCE FROM EACH SIDE OF THE HEADWALL. SEE TRASHRACK REFERENCE DRAWING.
10. INSTALL TRASHRACKS WITH $\frac{1}{2}$ " DIA. $\times$ 3 $\frac{3}{4}$ " EXPANSION ANCHORS, USING THE SLOTTED HOLES AS A TEMPLATE.
11. OPTIONAL CONCRETE SLAB - 4" THICK, MINIMUM 24" WIDE, LENGTH TO MATCH HEADWALL, BROOM FINISH. SLOPE SLAB TO DRAIN AWAY FROM HEADWALL. TOP OF SLAB TO BE LEVEL WITH ADJACENT FINISH GRADE.
12. INSTALL SLAB DRAIN PER STANDARD DRAWING WES-SLABDRAIN.

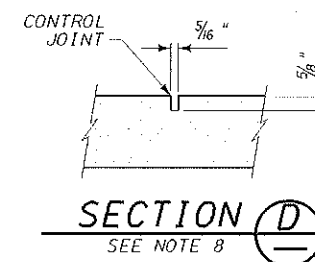


BLOCK WALL TO HAVE ONE #4
REINFORCING BAR CENTERED IN
EACH CORE FOR FULL HEIGHT AND
CORES FILLED WITH CONCRETE OR
SAND/CEMENT GROUT (3:1 RATIO).
ALL BLOCKS TO BE LAID IN
STAGGERED COURSES (COMMON BOND)
WITH OR WITHOUT MORTAR JOINTS,
PLASTERED ON EXPOSED SURFACES
AND INCLUDING A 1" CAP ON TOP
OF WALLS.

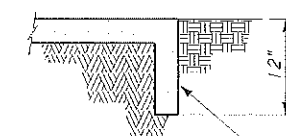
3/4" CHAMFER EXPOSED
HORIZONTAL AND VERTICAL EDGES.

CAST-IN-PLACE WALL OPTION TO HAVE
#4 REBAR @ 12" ON CENTER EACH WAY,
CENTERED IN WALL. PROVIDE 18" X 18"
CORNER BARS AT ALL CORNERS TO MATCH
HORIZONTAL REINFORCING. PROVIDE (2)
EXTRA #4 BARS ABOVE, BELOW, AT EACH
SIDE OF PIPE AND AT EACH DIAGONAL.

SECTION B

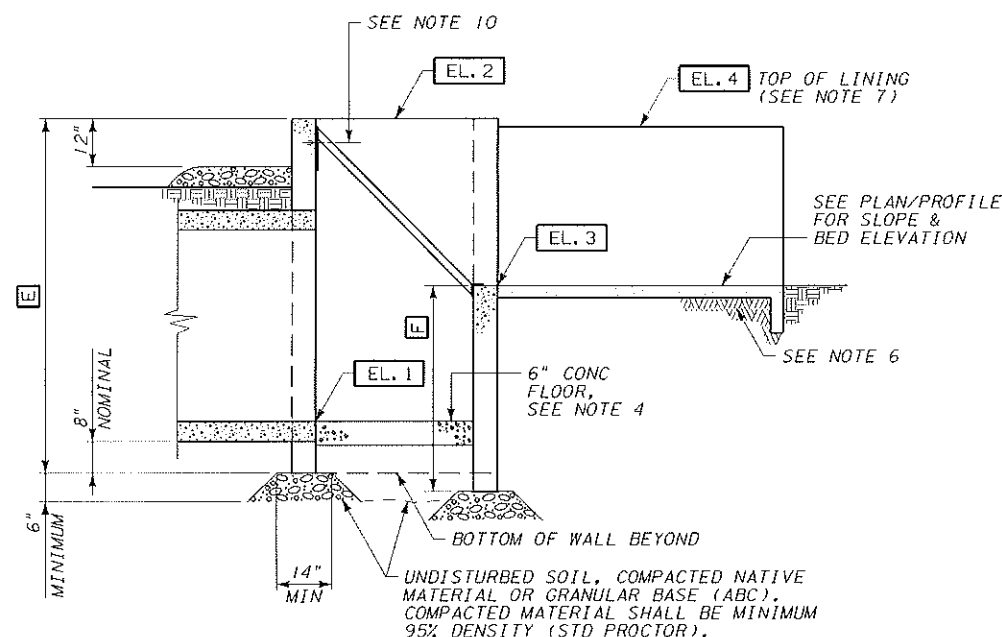


SECTION (D)
SEE NOTE 8



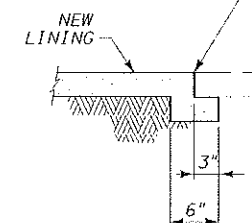
— LINING TO BE
KEYED-IN FOR
FULL PERIMETER

SECTION C

SECTION A

SECTION (E)
CONNECTION TO
UNLINED DITCH

EXISTING LINING, CUT OR
BREAK TO NEAT VERTICAL EDGE
AND PROPERLY BOND TO NEW



SECTION (F)
CONNECTION TO
EXISTING LINED
DITCH

TRASHRACK DETAILS_____WES-30350-200

DESIGN FOR CONSTRUCTION

0	RD-12940	BAJ	REJ	RMP	RMP	12/29/14
		BAJ	REJ	RMP	RMP	
REV NO	JOB NO.	DFTR	DSGN	ENGR CHK	ISSUE AUTH	DATE



STANDARD HEADWALL WITH TRASHRACK

SCALE: NONE			TEMPORARY - 12940HT1.DGN	SHEET NO.
SUBJ CODE	DIST CODE	DWG SIZE	12940HT1	352
HOWL	Y3	22X34		

5 NOT FOR CONSTRUCTION 25 January 2018 PRINTED BY GR

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LOCATION PLAN

1E 2E

VAN BUREN RD

5N

99TH AVE

4N

BUCKEYE RD

91ST AVE

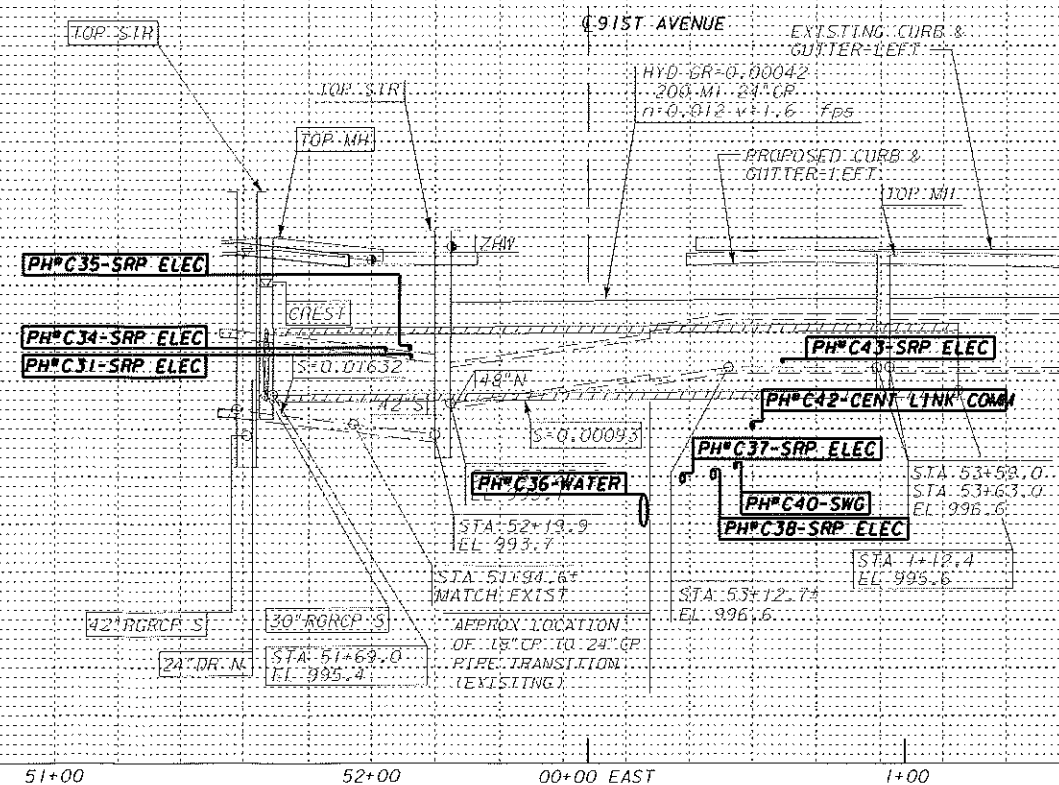
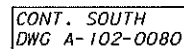
APR 2018

NE COR PLTO STR 2-23-84.3
LOCATED AT 50' SOUTH AND
665' WEST OF THE NORTHEAST
CORNER OF SECTION 18, T1N, R1E.
ELEVATION 996.48'

0	RD-12940	BAJ	REJ	RMP	RMP	12/29/1
		BAJ	REJ	RMP	RMP	
REV NO.	JOB NO.	DFTR	DSGN	ENGR CHK	ISSUE AUTH	DATE

GRAND CANAL
LATERAL 22.0
SEC 9 TIN RIE
SE COR SEC 9
POTHOLE LOCATIONS

SCALE: PLAN 1"=30', PROFILE 1"=4'			PHG214	.DGN	SHEET 1
SUBJ CODE	DIST CODE	DWG SIZE	PHG214		632
PP	Y2	22X34			



PPSNG. WDF

NO	RU	DATE	TIME	LOC	APPRO	AUTH
7	-	04.03.06	JWS	CWT	-	REL
ADDED HEX NOTE 5 & CIRCLE NOTES FOR BRIDGE RECOVERY AND STEP PAQ INSTALLATION.						
8	-	04.10.07	JWS	CWT	-	REL
ADDED CIRCLE NOTE FOR INDUSTRIAL DRIVEWAY WITH DEPRESSED CURB.						

WDF-PPSNG

NOT FOR CONSTRUCTION 25 January 2018 PRINTED BY GR

REFERENCE FILES USED:
REF #1: M3BM.DGN
REF #2: M3BM.DGN
REF #3: M3BM.DGN
REF #4: M3BM.DGN

CONT. WEST
DWG A-102-0074

CONT. NORTH
DWG A-102-0082

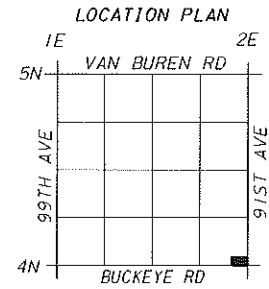
N

POTHOLING NOTES

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CONT. NORTH
DWG B-112-G1964

ELEVATION EQUATION:
ELEVATION THIS DWG.
MINUS 0.09' EQUALS
ELEVATION OF MCDOT
PROJECT NO. TT345
MC 85 BUCKEYE ROAD



BENCHMARK

NE COR PLTO STR 2-23-84.3
LOCATED AT 50' SOUTH AND
665' WEST OF THE NORTHEAST
CORNER OF SECTION 18, T1N, R1E.
ELEVATION 996.48'

REDRAWN FROM A-102-1280, SRP SURVEY W13-53393-01 &
DESIGN PLANS FROM MCDOT FOR MC 85 EXPANSION.
POT HOLE INFORMATION PROVIDED BY MCDOT.

REV NO.	JOB NO.	DFTR	DSGN	ENGR CHK	ISSUE AUTH	DATE
0	RD-12940	BAJ	REJ	RMP	RMP	12/29/1

SALT RIVER PROJECT
WATER ENGINEERING ♦ PHOENIX, ARIZONA

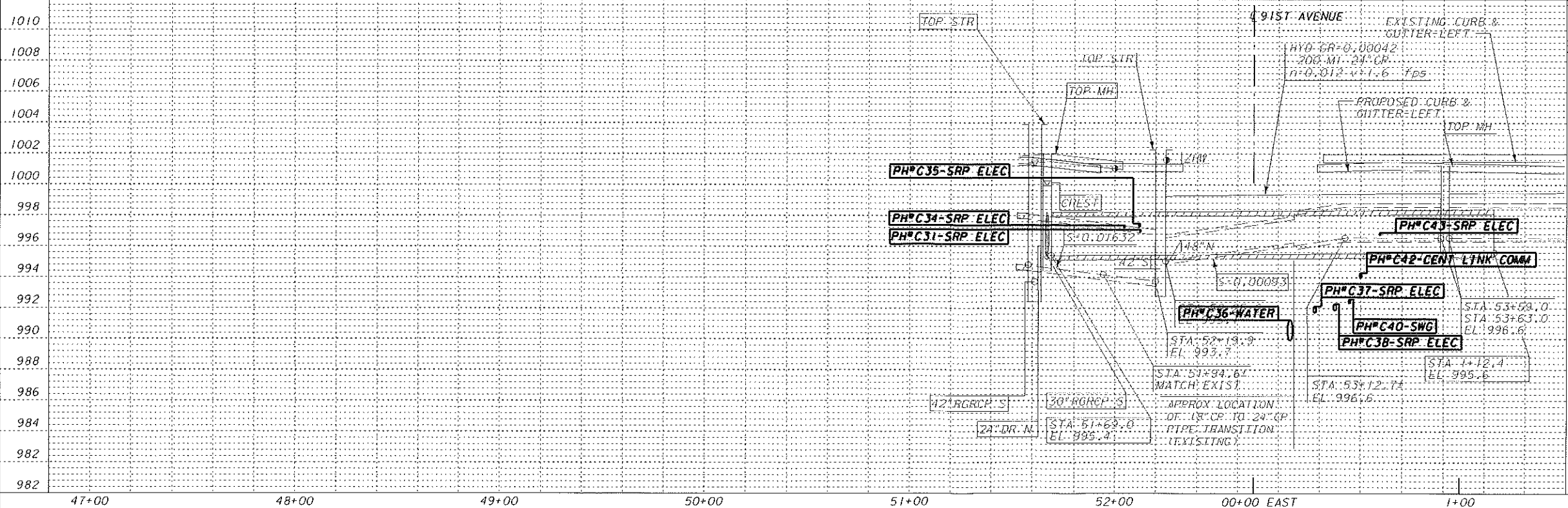
**GRAND CANAL
LATERAL 22.0
SEC 9 T1N R1E
SE COR SEC 9
POT HOLE LOCATIONS**

SCALE: PLAN 1"=30', PROFILE 1"=4'	PHG196 .DGN	SHEET 196
SUBJ CODE DIST CODE DWG SIZE	PP Y2 22X34	PHG196 642

PPSNG, WDF

NO	DATE	BY	CHK	APPD	AUTH
7	04.02.06	JWS	CWT	-	REL
8	04.10.07	JWS	CWT	-	REL

FORM NO. WDF-PPSNG



CONT. SOUTH
DWG A-102-0080

REFERENCE FILES USED:

REF #1: M5BM.DGN

REF #2: M5BM.DGN

REF #3: ---

REF #4: ---

PPSNG.WDF

WDF-PPSNG

CONT. WEST
DWG A-102-0091

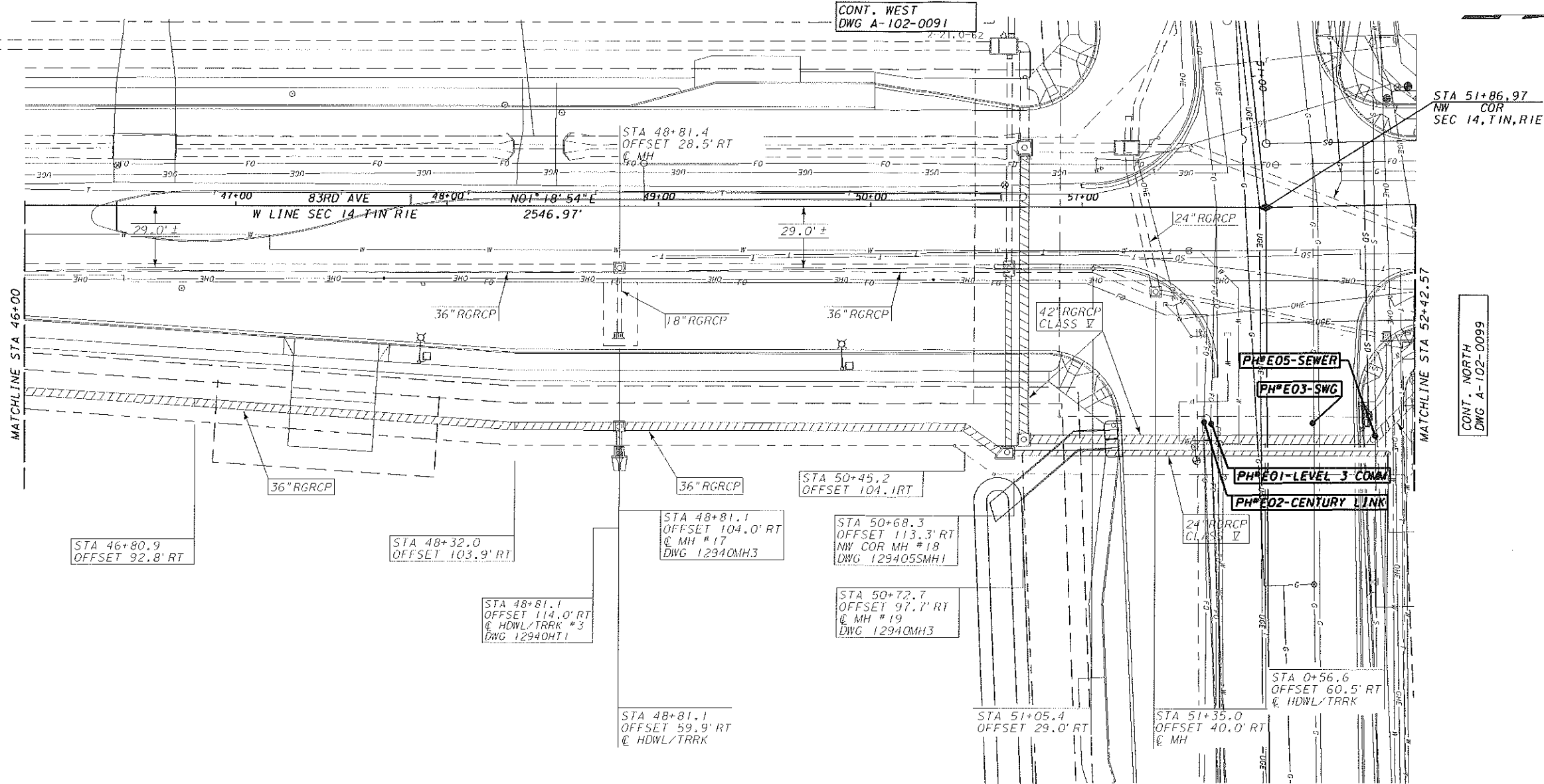
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POTHOLING NOTES

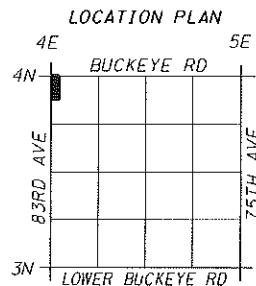
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STA 51+86.97
NW COR
SEC 14, T1N, R1E

CONT. NORTH
DWG A-102-0099



ELEVATION EQUATION:
ELEVATION THIS DWG.
MINUS 0.09' EQUALS
ELEVATION OF MCDOT
PROJECT NO. TT345
MC 85 BUCKEYE ROAD



BENCHMARK:

NE COR PLTO STR 2-23-84.3
LOCATED AT 50' SOUTH AND
665' WEST OF THE NORTHEAST
CORNER OF SECTION 18, T1N, R1E.
ELEVATION 996.48'

DRAWN FROM A-102-1034, SRP SURVEY W13-53393-01 &
DESIGN PLANS FROM MCDOT FOR MC 85 EXPANSION.
POT-HOLE INFORMATION PROVIDED BY MCDOT.

REV NO.	JOB NO.	DFTR	DSGN	ENGR CHK	ISSUE AUTH	DATE
0	RD-12940	BAJ	REJ	RMP	RMP	12/29/11

SALT RIVER PROJECT
WATER ENGINEERING PHOENIX, ARIZONA

**GRAND CANAL
LATERAL 21.0
SEC 14 T1N R1E
600' S/O NW COR
TO 50' N/O NW COR
POT-HOLE LOCATIONS**

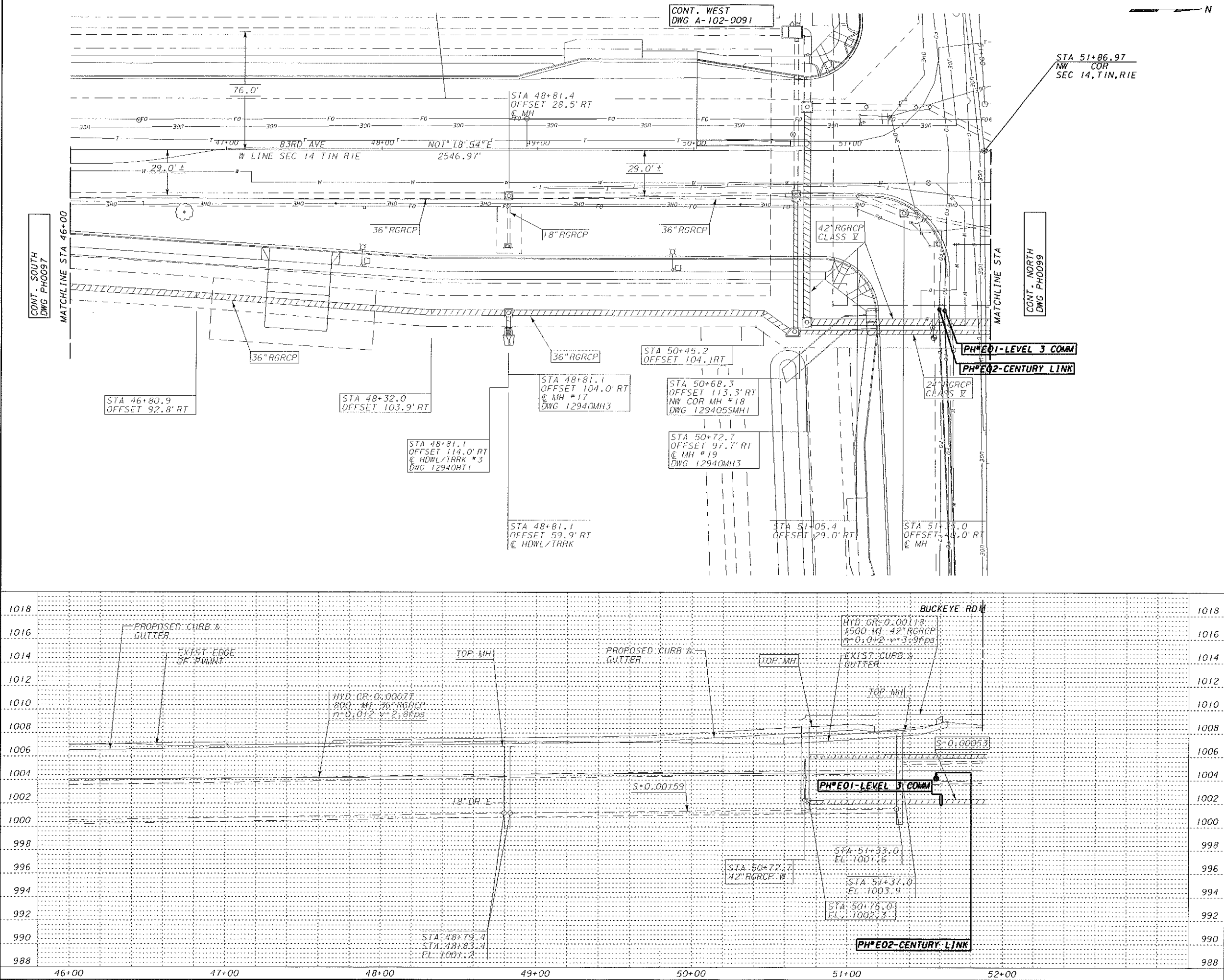
SCALE: PLAN 1"=30', PROFILE 1"=4'	PH0097 .DGN	SHEET NO.
SUBJ CODE DIST CODE DWG SIZE	PP Y2 22X34	PH0097 722

REFERENCE FILES USED:
REF #1: M5BM.DGN
REF #2: M5BM.DGN
REF #3: M5BM.DGN
REF #4: M5BM.DGN

PPSNG.WDF

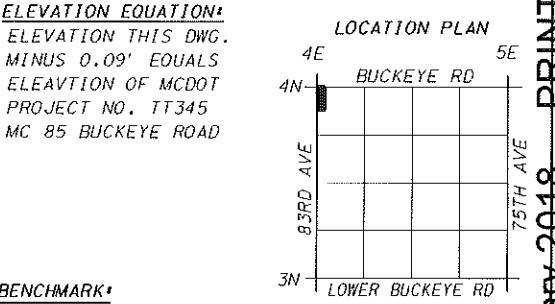
NO.	DATE	BY	CHK.	APP'D.	AUTH.
7	04.03.08	JWS	CWT	-	REL
8	04.10.07	JWS	CWT	-	REL
9	04.10.07	JWS	CWT	-	REL
10	04.10.07	JWS	CWT	-	REL

WDF-PPSNG



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BENCHMARK:
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LOCATED AT 50' SOUTH AND
665' WEST OF THE NORTHEAST
CORNER OF SECTION 18, T1N, R1E.
ELEVATION 996.48'

DRAWN FROM A-102-1034, SRP SURVEY W13-53393-01 &
DESIGN PLANS FROM MCDOT FOR MC 85 EXPANSION.
POTHOLE INFORMATION PROVIDED BY MCDOT.

REV NO.	JOB NO.	DFTR	DSGN	ENGR CHK	ISSUE AUTH	DATE
0	RD-12940	BAJ	REJ	RMP	RMP	12/29/11

SALT RIVER PROJECT
WATER ENGINEERING PHOENIX, ARIZONA

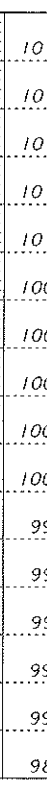
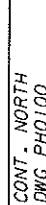
**GRAND CANAL
LATERAL 21.0
SEC 14 TIN RIE
120' S/O NW COR
TO NW COR
POTHOLE LOCATIONS**

SCALE: PLAN 1"=30', PROFILE 1"=4'	PH0098 .DGN	SHEET 1
SUBJ CODE	DIST CODE	DWG SIZE
PP	Y2	22X34
PH0098		732

NOT FOR CONSTRUCTION 25 January 2018 PRINTED BY GR

DESIGNING WDF

WDF-PPSNG



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LOCATION PLAN

The location plan shows a grid of streets. The horizontal streets are Van Buren St (top) and Buckeye Rd (bottom). The vertical streets are 4th Ave (left) and 5th Ave (right). The vertical streets are also labeled 4N and 5N at the top, and 4N and 5N at the bottom. A small black rectangle is located at the intersection of Van Buren St and Buckeye Rd, indicating the location of the subject property.

DRAWN FROM A-102-546 , SRP SURVEY W13-53393-01 &
DESIGN PLANS FROM MCDOT FOR MC 85 EXPANSION.
POTHOLE INFORMATION PROVIDED BY MCDOT.

SALT RIVER PROJECT
WATER ENGINEERING  PHOENIX, ARIZONA

GRAND CANAL
LATERAL 21.0
SEC 11 TIN RIE
SW COR TO
600' N/O SW COR
POTHOLE LOCATIONS

SCALE: PLAN 1"=30', PROFILE 1"=4'			PH0099 . DGN	SHEET
SUBJ CODE	DIST CODE	DWG SIZE	PH0099	74
PP	Y2	22X34		

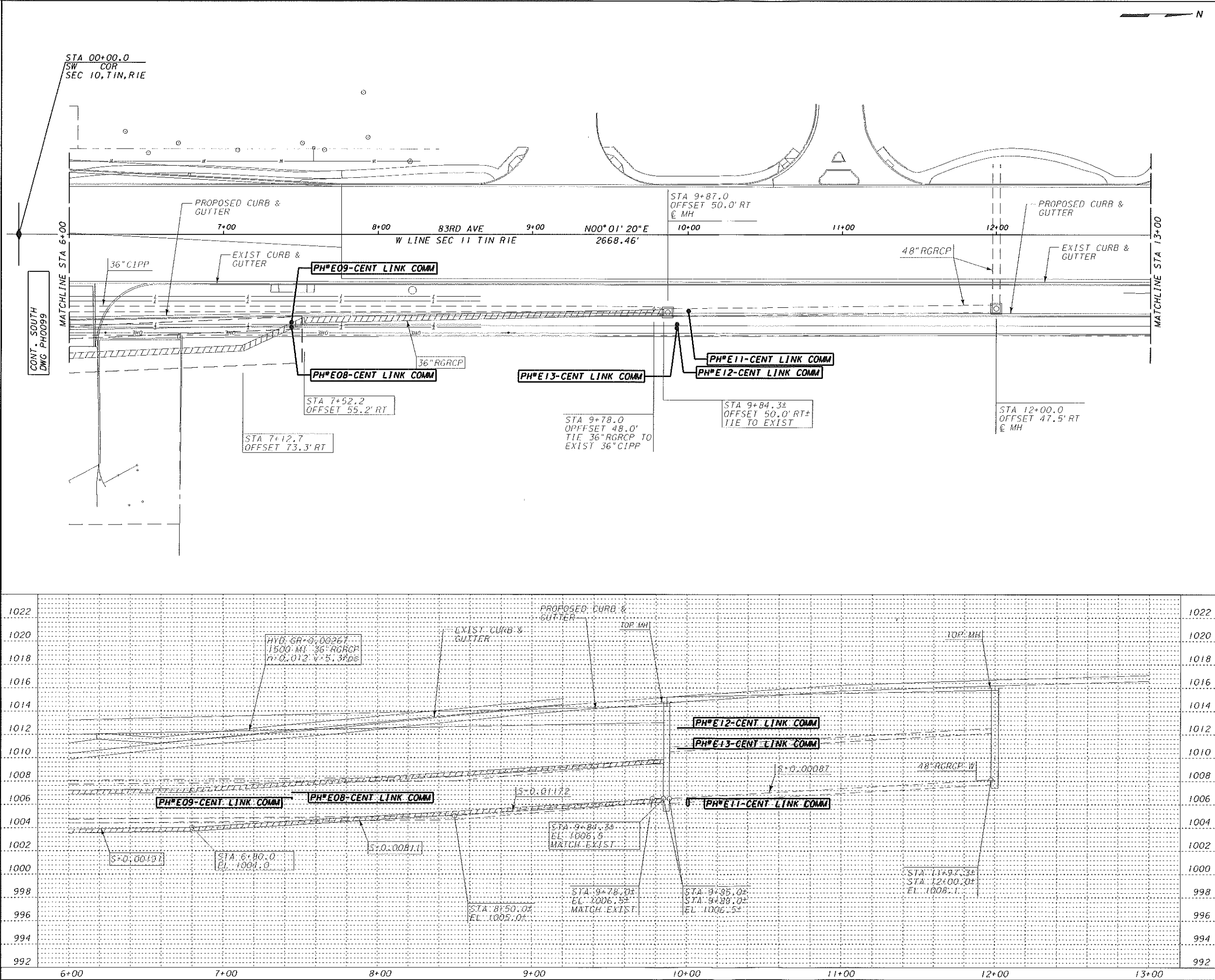
4 NOT FOR CONSTRUCTION 25 January 2018 PRINTED BY GR 751H AVE

REFERENCE FILES USED:
REF #1: M5BM.DGN
REF #2: M5BM.DGN
REF #3: M5BM.DGN
REF #4: M5BM.DGN

PPSNG.WDF

NO.	DATE	BY	CHKD	APP'D	ALTN.
1	04.03.06	JMS			
2	04.03.06	JMS			
3	04.03.06	JMS			
4	04.03.06	JMS			
5	04.03.06	JMS			
6	04.03.06	JMS			
7	04.03.06	JMS			
8	04.03.06	JMS			
9	04.03.06	JMS			
10	04.03.06	JMS			

WDF-PPSNG



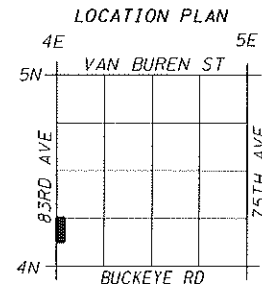
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ELEVATION EQUATION:
ELEVATION THIS DWG.
MINUS 0.09' EQUALS
ELEVATION OF MCDOT
PROJECT NO. TT345
MC 85 BUCKEYE ROAD



BENCHMARK:
NE COR PLTO STR 2-23-84.3
LOCATED AT 50' SOUTH AND
665' WEST OF THE NORTHEAST
CORNER OF SECTION 18, T1N, R1E.
ELEVATION 996.48'

DRAWN FROM A-102-546, SRP SURVEY W13-53393-01 &
DESIGN PLANS FROM MCDOT FOR MC 85 EXPANSION.
POTHOLE INFORMATION PROVIDED BY MCDOT.

REV NO.	JOB NO.	DFTR	DSGN	ENGR CHK	ISSUE AUTH	DATE
0	RD-12940	BAJ	REJ	RMP	RMP	12/29/11

SALT RIVER PROJECT
WATER ENGINEERING PHOENIX, ARIZONA

**GRAND CANAL
LATERAL 21.0
SEC 11 T1N R1E
600' N/O SW COR
16 1/4 COR
POTHOLE LOCATIONS**

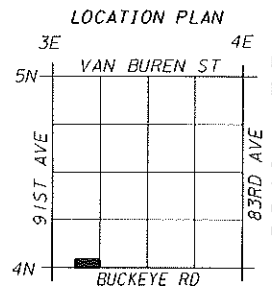
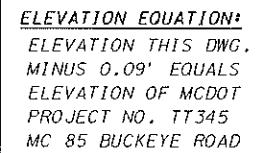
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SUBJ CODE DIST CODE DWG SIZE	PP Y2 22X34	PH0100 752

NOT FOR CONSTRUCTION 25 January 2018 PRINTED BY GR

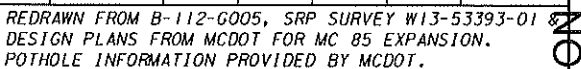
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NE COR PLTO STR 2-23-84.3
LOCATED AT 50' SOUTH AND
665' WEST OF THE NORTHEAST
CORNER OF SECTION 18, T1N, R1E.
ELEVATION 996.48'



0	RD-12940	BAJ	REJ	RMP	RMP	12/29/17
		BAJ	REJ	RMP	RMP	
REV NO.	JOB NO.	DFTR	DSGN	ENGR CHK	ISSUE AUTH	DATE



SALT RIVER PROJECT
WATER ENGINEERING PHOENIX, ARIZONA

GRAND CANAL
DRAIN
SEC 10 TIN RIE
500' E/O SW COR
TO 16/5 COR
POTHOLE LOCATIONS

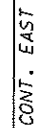
SCALE: PLAN 1"=30', PROFILE 1"=4'			PHG197 .DGN	SHEET 12
SUBJ CODE	DIST CODE	DWG SIZE	PHG197	77Z
PP	Y2	22X34		

NOT FOR CONSTRUCTION 25 January 2018 PRINTED BY CR

EDM. WONG

NO	NO	DATE	UNIT	APPL	ACCT
7	-	04.03.06	JWS	DWT	-
ISSUED LIKE NOTE & CIRCLE NOTES FOR BRIDGE RECOVERY AND STEP DAD INSTALLATION.					
8	-	04.10.07	JWS	DWT	-
9	-	04.10.07	JWS	DWT	-

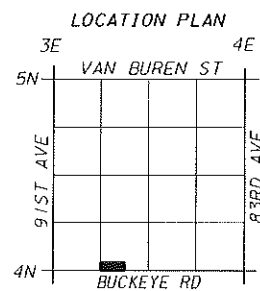
WDF-PPSNO



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NE COR PLTO STR 2-23-84.3
LOCATED AT 50' SOUTH AND
665' WEST OF THE NORTHEAST
CORNER OF SECTION 18, T1N, R1E.
ELEVATION 996.48'

0	RD-12940	BAJ	REJ	RMP	RMP	12/29/1
		BAJ	REJ	RMP	RMP	
REV NO.	JOB NO.	DFTR	DSGN	ENGR CHK	ISSUE AUTH	DATE

GRAND CANAL
DRAIN
SEC 10 TIN RIE
16/5 COR TO
650' W/O S4 COR
POTHOLE LOCATIONS

SCALE: PLAN 1"=30', PROFILE 1"=4'			PHG198 . DGN	SHEET 1
SUBJ CODE	DIST CODE	DWG SIZE	PHG198	78
PP	Y2	22X34		

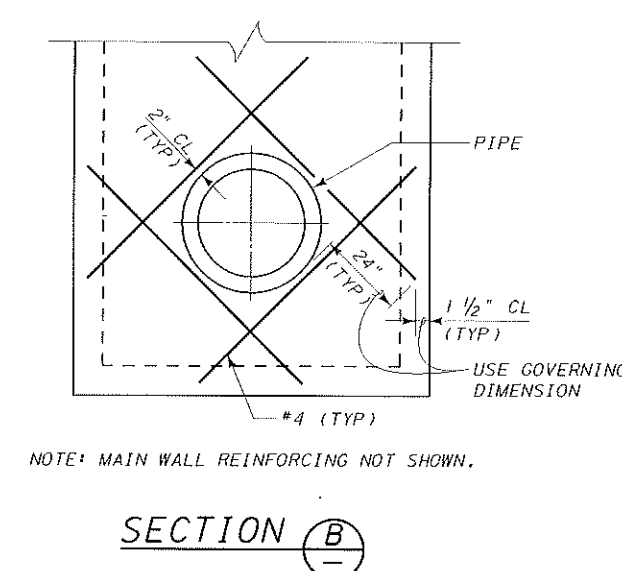
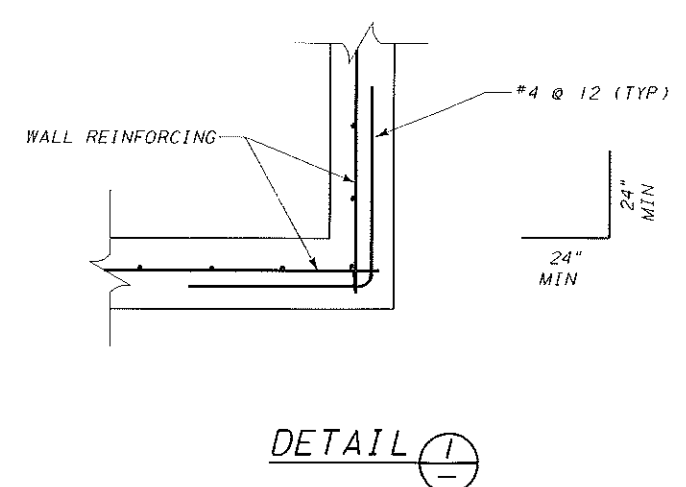
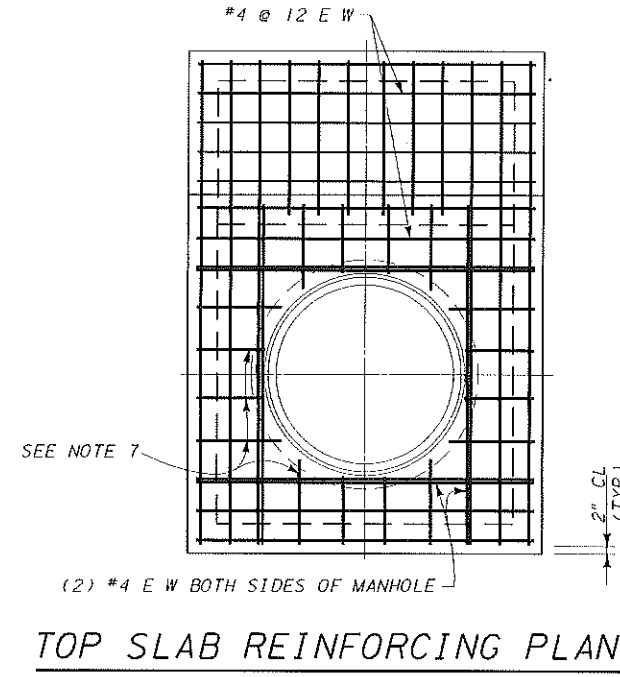
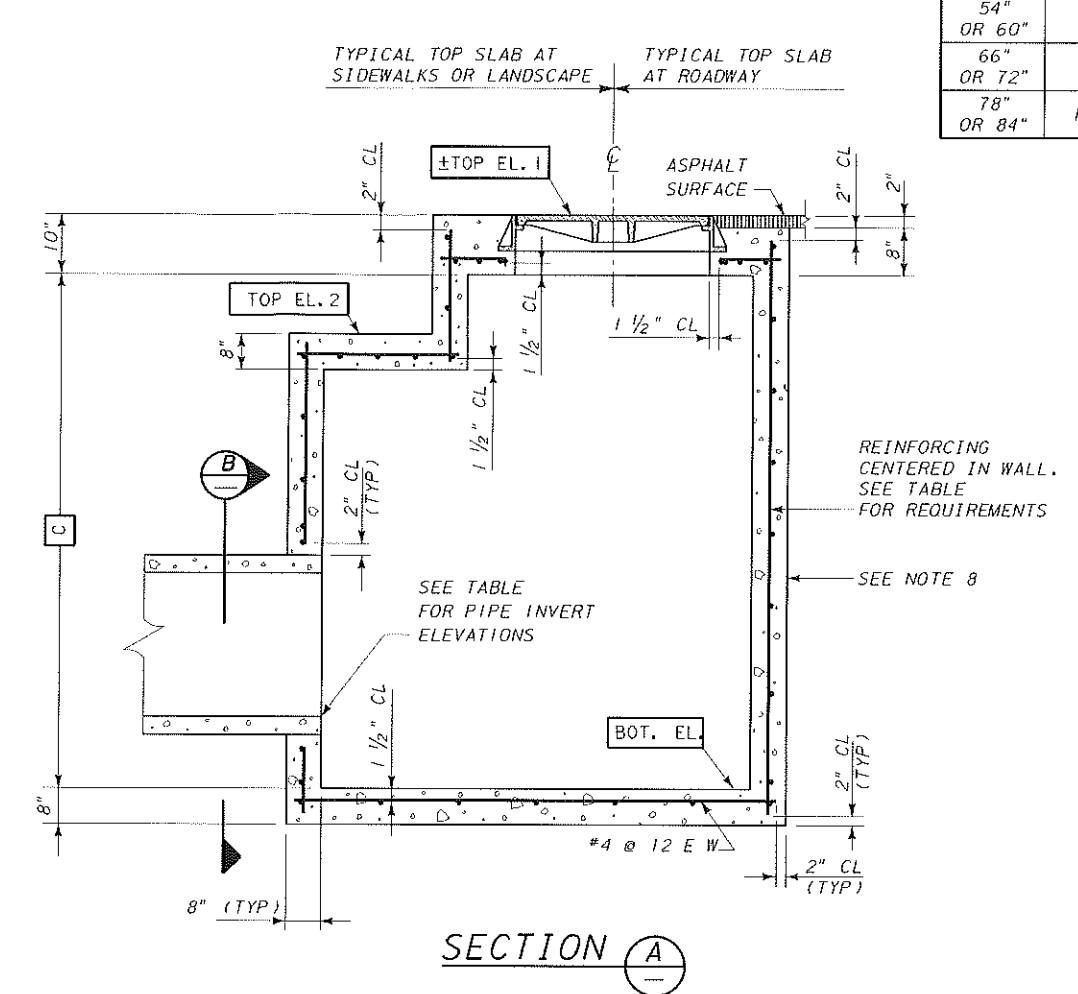
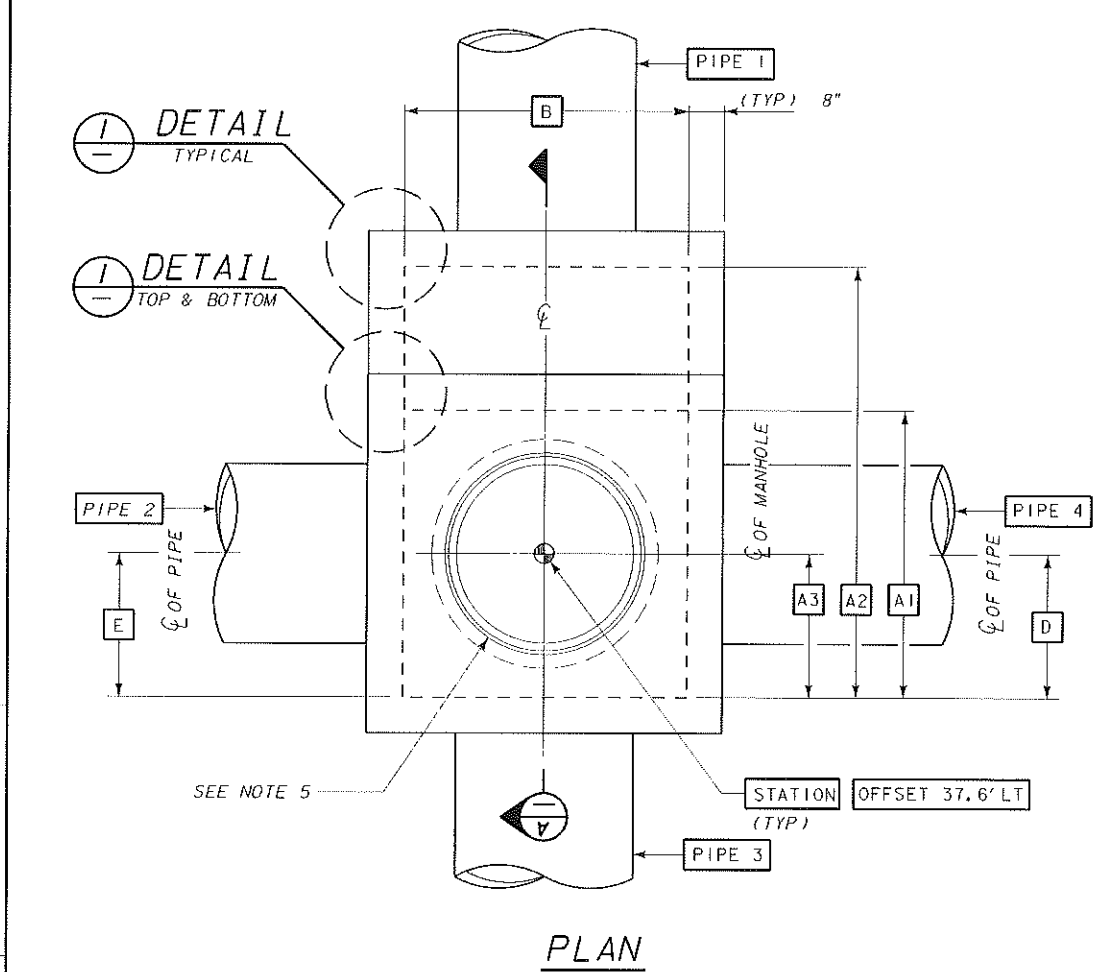
NOT FOR CONSTRUCTION 25 January 2018 PRINTED BY GR

NO.	DATE	BY	CHK	APPD.	AUTH.
2	01.07.15	JMS	-	-	REL
ADDED MANHOLE DIM. A3 TO PLAN DETAIL & MH DATA TABLE.					
0	08/01/07	JMS	-	CWT	REL
INITIAL ISSUE.					
FORM NO.					
DF-OFFSETHH					

OFFSETHH, WDF

MANHOLE CONSTRUCTION DATA																						MINIMUM REQUIREMENTS			
MH No.	STATION	REFERENCE DRAWING	TOP EL. 1 ±	TOP EL. 2	BOT. EL.	PIPE 1		PIPE 2		PIPE 3		PIPE 4		MANHOLE DIMENSIONS						MANHOLE LOCATION		WALL LENGTH		REINFORCING STEEL	
						TYPE	INV. EL.	TYPE	INV. EL.	TYPE	INV. EL.	TYPE	INV. EL.	A1	A2	A3	B	C	D	E	ROADWAY	SIDEWALK OR LANDSCAPE	PIPE DIA		A2 OR B
22	9+87.9	A-102-0100	1015.2	1013.0	1005.5	-----	-----	36"RGRCP	1006.5	-----	-----	EXIST. 48"RGRCP	1006.5±	41 1/2"	120"	20 3/4"	48"	106 1/2"	86"	86"	-	X	36" OR LESS	48"	#4 @ 12" E.W. OR (1) LAYER 6x6-W5.5xW5.5 WWF
																						42"	56"		
																						48"	68"		

- ### DESIGN CRITERIA
- HS20 HIGHWAY LOADING, 32 KIPS ON REAR AXLE (16 KIPS/WHEEL), WHEEL SPACING 6', 30% IMPACT, ONE WHEEL CENTERED ON MANHOLE, OTHER WHEEL ADJACENT TO MANHOLE.
- ### NOTES
- STRUCTURAL CONCRETE SHALL BE 3000 PSI @ 28 DAYS (MAG A) PER SRP 03300.
 - REINFORCING STEEL SHALL COMPLY WITH REQUIREMENTS OF SRP 03210; BARS SHALL BE ASTM A615 GRADE 60 AND WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.
 - CONCRETE PLACEMENT SHALL BE PER GE 03305.
 - SEE PLAN AND PROFILE DRAWING FOR CORRECT ORIENTATION OF MANHOLE.
 - STANDARD SRP 30" CAST IRON MANHOLE FRAME AND COVER (STOCK CODE NO. 5011703) CENTERED IN TOP OF MANHOLE. CONTACT SRP INVESTMENT RECOVERY DEPARTMENT AT (602) 236-2908, TO PURCHASE SRP MANHOLE FRAME AND COVER.
 - NOT TO BE USED FOR STAKING. EXACT TOP ELEVATION TO BE SET BY CUSTOMER'S ENGINEER BASED ON CUSTOMER'S PAVING & GRADING PLANS.
 - FIELD CUT REBAR AT MANHOLE.
 - CONCRETE SHALL BE PLACED WITH NO COLD JOINTS. ALL CONCRETE SHALL BE VIBRATED DURING PLACEMENT.
 - DIMENSIONS A2 AND B SHALL NOT EXCEED 104", AND DIMENSION C SHALL NOT EXCEED 180".
 - FOR PRESSURE MANHOLES, MAXIMUM HEAD SHALL NOT EXCEED 60" ABOVE TOP ELEVATION.
 - CUSTOMER TO STAKE PROPOSED CURB AND GUTTER PRIOR TO LOCATING MANHOLE RISER, FRAME, AND COVER. RISER, FRAME, AND COVER MAY BE LOCATED IN EITHER ROADWAY OR SIDEWALK AS APPROPRIATE.



REFERENCES

REINFORCING SPECIFICATION _____ SRP 03210
CONCRETE SPECIFICATION _____ SRP 03300
CONCRETE PLACEMENT SPECIFICATION _____ GE 03305

DESIGN FOR CONSTRUCTION

0	RD-12940	REJ	REJ	RMP	RMP	12/29/1
REV NO.	JOB NO.	DFTR	DSGN	ENGR CHK	ISSUE AUTH	DATE

SALT RIVER PROJECT
WATER ENGINEERING ♦ PHOENIX, ARIZONA

OFFSET MANHOLE PLANS, SECTIONS AND DETAILS

SCALE: NONE	A910G637, DGN	SHEET 1
SUBJ CODE	DIST CODE	DWG SIZE
MH	Y3	22X34
A-910-G637		80

NOT FOR CONSTRUCTION 25 January 2018 PRINTED BY GR

SALT RIVER PROJECT

IRRIGATION IMPROVEMENTS

SRP ENGINEERING FILE NO. RD-12940

MC 85, 91ST AVENUE TO 95TH AVENUE, MCDOT PHASE 1B

CUSTOMER: MARICOPA COUNTY DEPARTMENT OF TRANSPORTATION, BEN MARKERT

TEL. (602) 506-8603

CUSTOMER'S ENGINEER: KIMLEY-HORN, ROBERT LYONS P.E.

TEL. (602) 678-3440

SRP DESIGNER: RICHARD JOHNSON

TEL. (602) 236-4607

SRP INSPECTOR: JEFF HYATT

TEL. (602) 236-2637

LEGEND

PLAN SYMBOLS

	BENCHMARK		EXISTING MANHOLE
	SECTION CORNER		PROPOSED MANHOLE
	SURVEY POINT (CALLOUT)		FIRE HYDRANT
	SECTION LINE		WATER VALVE
	CONSTRUCTION BASELINE		METER (WATER-W /GAS-G)
	PROPERTY OR RIGHT OF WAY LINE		WATER LINE
	EASEMENT LINE		SEWER LINE
	CENTERLINE		GAS LINE
	EXISTING EDGE OF PAVEMENT		TELEPHONE (DUCT OR CABLE)
	PROPOSED EDGE OF PAVEMENT		UNDERGROUND ELEC (DUCT OR CABLE)
	SLIPFORM LINING		MANHOLE (NON WUA)
	EXISTING DITCH		STORM DRAIN
	EXISTING PIPE		CATCH BASIN
	PROPOSED PIPE		UTILITY POLE
	EXISTING HEADWALL WITH AND WITHOUT SLIPFORM		DOWN GUY
	PROPOSED HEADWALL WITH SLIPFORM		FENCE (WOOD)
	EXISTING HEADWALL/TRASHRACK WITH AND WITHOUT SLIPFORM		FENCE (WIRE/NOT SPECIFIED)
	PROPOSED HEADWALL/TRASHRACK WITH SLIPFORM		FENCE (MASONRY)
	EXISTING TURNOUT STRUCTURE		PALM TREE
	PROPOSED TURNOUT STRUCTURE		TREE (TYPE)
	PROPOSED FACILITIES (CALLOUT)		STUMP
	PROPOSED FACILITIES (CALLOUT)		MAIL BOX
	PROPOSED FACILITIES (CALLOUT)		EXISTING FACILITIES (CALLOUT)
	PROPOSED FACILITIES (CALLOUT)		PROPOSED FACILITIES (CALLOUT)

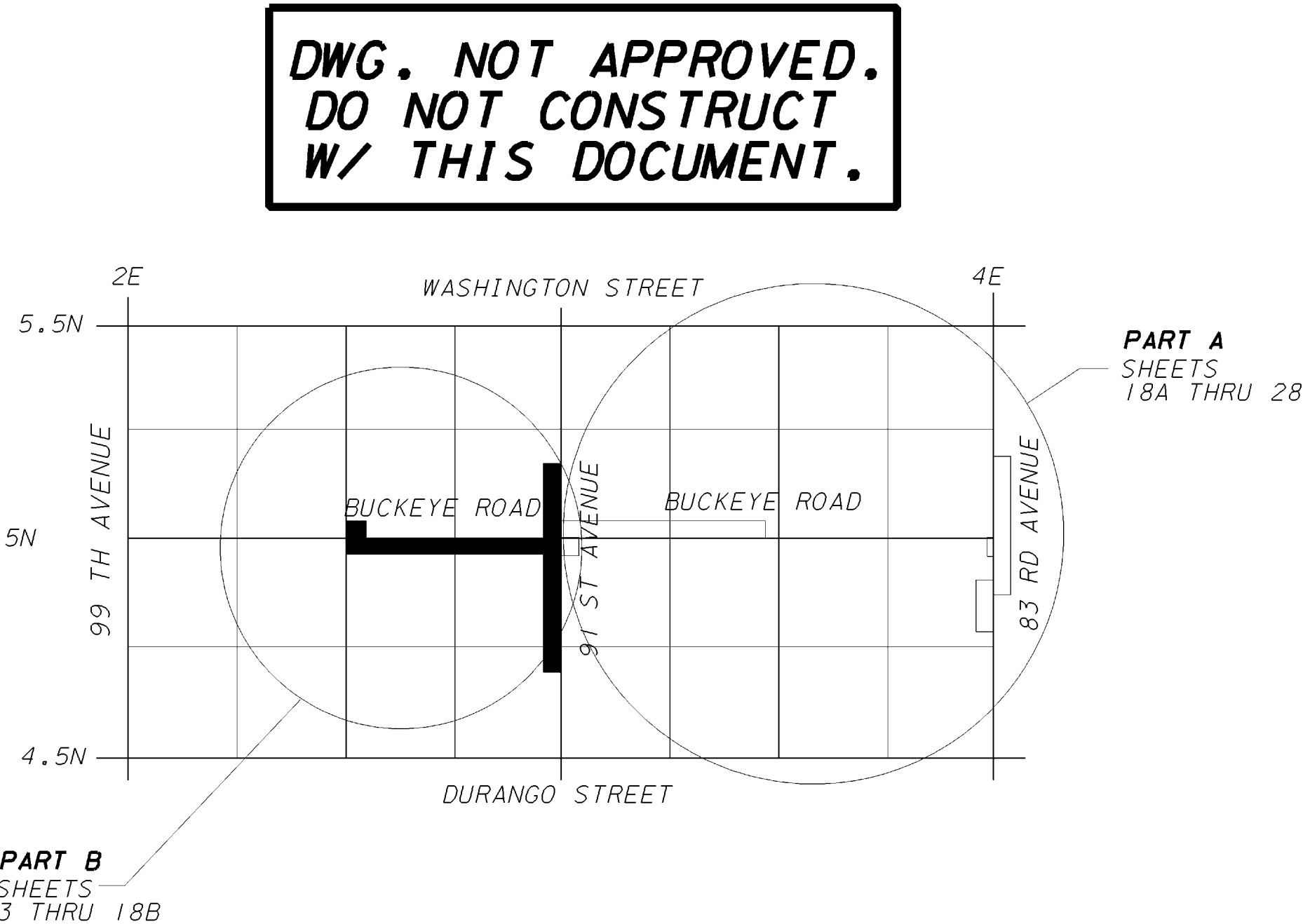
PROFILE SYMBOLS

	LOW BANK		CENTERLINE OF ROAD
	BED		BED (DRAIN DITCH)
	AVERAGE GROUND LEFT		CATCH BASIN
	AVERAGE GROUND RIGHT		PROPOSED UTILITY
	AVERAGE GROUND (ONE GIVEN)		EXISTING UTILITY
	HIGH WATER		POTHOLED UTILITY
	BED (PRIVATE DELIVERY)		POTHOLED UTILITY
	HIGH GROUND		PROPOSED PIPE
	LOW GROUND		PROPOSED PIPE

GENERAL NOTES

- THE CUSTOMER/CONTRACTOR IS RESPONSIBLE TO OBTAIN A PERMIT FOR WORK WITHIN PUBLIC AGENCY R/W AND ASSURE THAT ALL WORK IS PERFORMED IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL SAFETY AND ENVIRONMENTAL REGULATIONS.
- THE WORK SPECIFIED ON THESE PLANS MAY INVOLVE THE USE OF AREAS LOCATED BOTH WITHIN SRP RIGHTS-OF-WAY AND PUBLIC AGENCY RIGHTS-OF-WAY. IF THE PUBLIC AGENCY ISSUES A PERMIT FOR WORK WITHIN ITS RIGHTS-OF-WAY, IT WILL APPLY ONLY TO THE AREA WITHIN THE PUBLIC AGENCY RIGHTS-OF-WAY. SUCH PERMIT SHALL NOT APPLY TO WORK WITHIN SRP RIGHTS-OF-WAY HAVING PRIOR RIGHTS.
- THE CONTRACTOR SHALL CONTACT BLUE STAKE AT (602) 263-1100 AND SUCH OTHER LOCATORS/UTILITIES AS NECESSARY TO LOCATE AND FLAG ALL EXISTING UNDERGROUND UTILITIES BEFORE FIELD CONSTRUCTION BEGINS.
- THE CUSTOMER'S CONTRACTOR IS REQUIRED TO CALL THE SRP INSPECTOR FOR A PRECONSTRUCTION CONFERENCE IN ACCORDANCE WITH THE APPLICABLE SRP LICENSE OR CONSTRUCTION AGREEMENT BEFORE OBTAINING CONSTRUCTION CLEARANCE AND STARTING CONSTRUCTION. CONTRACTOR MUST SIGN A TEMPORARY IRRIGATION OUTAGE AGREEMENT, IF REQUIRED, BEFORE CONSTRUCTION CAN BEGIN.
- ALL CONSTRUCTION WATER AND POWER SHALL BE OBTAINED, HANDLED, AND PAID FOR BY THE CONTRACTOR. THE CONTRACTOR SHALL MAKE ARRANGEMENTS TO PROCURE AND TRANSPORT WATER TO THE CONSTRUCTION SITE. ALL TEMPORARY FACILITIES SHALL BE REMOVED BEFORE FINAL ACCEPTANCE BY SRP.
- ANY QUESTIONS RELATIVE TO THE ACCURACY OF THE IMPROVEMENT INSTALLATION SHALL BE SUBMITTED IN WRITING IMMEDIATELY AND BEFORE COMPLETION OF THE WORK IF ALL SURVEY STAKES ARE MAINTAINED INTACT AS ORIGINALLY PLACED. SHOULD SUCH STAKES NOT BE PRESENT AND VERIFIED AS TO THEIR ORIGIN, NO CLAIM FOR ADDITIONAL COMPENSATION OR CORRECTION SHALL BE PRESENTED TO ANY PARTY AND SUCH WORK SHALL BE CORRECTED AND PAID FOR BY THE CONTRACTOR.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL QUANTITIES AND ANY OTHER ITEMS AFFECTING THE BID TO COMPLETE THE WORK SHOWN ON THE PLANS, AND TO BASE THE BID SOLELY UPON VERIFIED QUANTITIES, IRRESPECTIVE OF THE INFORMATION FURNISHED AS NOTED ABOVE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE SRP INSPECTOR BEFORE CONSTRUCTION OF ANY SIGNIFICANT DISCREPANCIES BETWEEN THE CONTRACTOR'S ESTIMATED QUANTITIES AND THOSE SHOWN ON THE PLANS.
- THE CUSTOMER IS RESPONSIBLE FOR CLEARING THE PROPOSED SRP IRRIGATION SYSTEM ALIGNMENT BEFORE SRP CONSTRUCTION BEGINS. CLEARING SHALL INCLUDE REMOVAL OF PAVEMENT, CURBS, GUTTERS, SIDEWALKS, SIGNS, UTILITY POLES, STREETLIGHTS, FENCING AND ANY OTHER EXISTING CONFLICTS.
- CONTACT SRP CUSTOMER SERVICE AT (602) 236-8888 FOR REQUIREMENTS FOR PROTECTING, RELOCATING OR REMOVING SRP POWER POLES (INCLUDING DOWN GUYS), UNDERGROUND POWER LINES AND OTHER ELECTRICAL EQUIPMENT. THE CUSTOMER IS RESPONSIBLE FOR ALL COSTS OF COMPLYING WITH THESE REQUIREMENTS.
- FOR IRRIGATION OUTAGE INFORMATION, CONTACT THE SRP INSPECTOR.
- IF THERE ARE CONFLICTS BETWEEN SRP'S PLANS AND SPECIFICATIONS AND LOCAL GOVERNING REQUIREMENTS, THE MOST STRINGENT REQUIREMENT SHALL APPLY, AS DETERMINED BY THE SRP INSPECTOR.
- ALL TRENCHING SHALL BE DONE IN ACCORDANCE WITH OSHA CONSTRUCTION STANDARDS FOR EXCAVATIONS.
- BACKFILL MATERIAL, PLACEMENT AND COMPACTION SHALL CONFORM TO REQUIREMENTS OF MAG 601 EXCEPT THAT COMPACTION DENSITY SHALL BE 100% FOR GRANULAR MATERIAL AND 95% FOR NON-GRANULAR MATERIAL. BACKFILL SHALL BE ABC WHERE SO REQUIRED BY THE GOVERNING PUBLIC AGENCY. WATER CONSOLIDATION IS NOT PERMITTED.
- ALL DELIVERY STRUCTURES WILL BE INSTALLED BY SRP FORCES. ALLOW A MINIMUM OF 30 DAYS BETWEEN ISSUANCE OF THE SRP LICENSE OR NOTICE TO PROCEED, AND THE INSTALLATION OF THE STRUCTURE.
- SRP WILL PROVIDE STUBOUT FOR PRIVATE CONNECTION. CUSTOMER IS RESPONSIBLE FOR DESIGN, CONSTRUCTION, AND CONNECTION OF PRIVATE IRRIGATION FACILITIES. CONNECTION TO SRP STUBOUT SHALL BE MADE USING MAG STANDARD IRRIGATION STAND PIPE (MAG 503), JUNCTION BOX (MAG 504), OR HEADWALL (MAG 501-1). JUNCTION BOX AND HEADWALL SHALL PROJECT MINIMUM 12" ABOVE FINISH GRADE. CUSTOMER SHALL COMPLETE CONNECTION TO SRP STUBOUT PRIOR TO DATE SET BY SRP FOR SYSTEM ACTIVATION.
- PIPE BEDDING SHALL BE CLASS "C" OR BETTER, AND BACKFILL SHALL BE PER SRP SPECIFICATIONS FOR PRECAST PIPE, UNLESS OTHERWISE NOTED.
- ALL PRECAST CONCRETE PIPE SHALL BE IN ACCORDANCE WITH ASTM C76 CLASS III WALL B OR WALL C UNLESS OTHERWISE NOTED, AND MEET SRP SPECIFICATIONS FOR PRECAST PIPE.
- ALL EXISTING IRRIGATION FACILITIES DISTURBED BY NEW CONSTRUCTION SHALL BE RECONSTRUCTED TO CURRENT SRP STANDARDS.
- ALL WORK AND MATERIALS THAT DO NOT CONFORM TO THESE PLANS, SPECIFICATIONS AND SRP LICENSES/CONSTRUCTION AGREEMENTS, ARE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
- ALL DUST AND TRAFFIC CONTROLS REQUIRED BY THE LOCAL GOVERNING AGENCY WILL BE OBTAINED, COORDINATED, AND PAID FOR BY THE CONTRACTOR.
- SRP DOES NOT GUARANTEE THE LOCATION OR ELEVATION OF UTILITIES AND WILL NOT BE RESPONSIBLE FOR THEIR RELOCATION.
- THE UTILITIES IDENTIFIED ON THE PLANS MAY NOT REPRESENT ALL EXISTING AND/OR CONFLICTING UTILITIES WITHIN THE PROJECT LIMITS.
- ALL UTILITIES WHICH HAVE BEEN POTHOLED (GENERALLY ALL PIPES OR CONDUITS 2 INCHES OR LARGER IN DIAMETER AND ALL CABLES WITH 25 PAIRS OR GREATER) ARE DESIGNATED IN THE PROFILE WITH THE TERM "PH".
- ALL UTILITIES MUST UNDERCROSS THE PROPOSED SRP PIPELINE AND MAINTAIN A MINIMUM CLEARANCE OF ONE FOOT, UNLESS NOTED OTHERWISE.
- MAINTAIN MINIMUM TWO FOOT HORIZONTAL CLEARANCE BETWEEN OUTSIDE BELL DIAMETER OF SRP PIPE AND PARALLEL UTILITY. LOCATE PARALLEL UTILITY OUTSIDE AREA SRP EXCAVATES TO MAINTAIN ITS PIPE. TYPICAL EXCAVATION INCLUDES AREA ABOVE AND TO EACH SIDE OF SRP PIPE. SIDE EXCAVATION EXTENDS UP AND OUT AT ONE-TO-ONE SLOPE FROM POINT THAT IS LEVEL WITH BOTTOM OF SRP PIPE AND A MINIMUM OF TWO FEET BEYOND ITS OUTSIDE BELL DIAMETER.
- LOCATION AND ELEVATION OF ALL BLUE STAKED UTILITIES ARE TO BE FIELD VERIFIED. ALL CONFLICTING UTILITIES ARE TO BE RELOCATED PRIOR TO SRP PIPE INSTALLATION. CONTACT THE UTILITY COMPANY FOR COST AND SCHEDULE REQUIREMENTS FOR RELOCATION.
- VERTICAL CONTROLS ARE BASED ON SEA LEVEL DATUM AS DEFINED BY THE BENCHMARK ON EACH PLAN/PROFILE. VERTICAL CONTROLS MAY DIFFER BETWEEN PLAN/PROFILES. CHECK PLANS FOR ELEVATION EQUATIONS.
- STATIONS SHOWN ON THE PLAN/PROFILE ARE ALONG THE SECTION LINE, UNLESS OTHERWISE NOTED.
- DIMENSIONS LOCATING IRRIGATION MANHOLES AND DELIVERY STRUCTURES ARE FROM THE SECTION LINE TO THE CENTERLINE OF THE MANHOLE, AND TO THE FACE OF THE DELIVERY STRUCTURE RESPECTIVELY, UNLESS OTHERWISE NOTED.
- FACILITIES WHICH ARE NOT SPECIFICALLY LOCATED WITH ACTUAL HORIZONTAL AND VERTICAL CONTROLS ARE LOCATED ONLY APPROXIMATELY AND WITH THE BEST AVAILABLE KNOWLEDGE.
- ALL STAKING CONTROLS SHALL BE LEFT UNDISTURBED. THE CONTRACTOR SHALL CALL THE SRP INSPECTOR TO REFERENCE AND RESET ANY CONTROL POINTS THAT HAVE TO BE DISTURBED. THE CONTRACTOR WILL BE CHARGED FOR RESTAKING COSTS IF ANY STAKES ARE DESTROYED AND REQUIRE REPLACEMENT.
- ELEVATIONS SHOWN FOR IRRIGATION MANHOLES ARE AT THE TOP OF THE PROPOSED SIDEWALK OR FINISHED ROADWAY GRADE AT THE CENTERLINE OF THE MANHOLE (TWO CORNER POINTS FOR THE 5-SIDED MANHOLE), UNLESS OTHERWISE NOTED. THE TOP OF THE MANHOLE SHALL BE STAKED BY THE CUSTOMER'S ENGINEER, AND THE HORIZONTAL OFFSET CHECKED TO VERIFY THAT THE LOCATION IS IN CONFORMANCE WITH THE LATEST REVISIONS TO THE GOVERNING AUTHORITY'S PAVING PLANS. ALL OTHER SRP IRRIGATION STAKING SHALL BE BY SRP FORCES, UNLESS OTHERWISE NOTED.
- THE CUSTOMER'S ENGINEER SHALL VERIFY OR RE-ESTABLISH SECTION CORNERS TO BE USED AS THE BASELINE FOR IRRIGATION FACILITIES AND ALSO STAKE RIGHT-OF-WAY LINES AND TEMPORARY CONSTRUCTION AND PERMANENT EASEMENT LINES. SIDEWALKS AND BACK OF CURBS SHALL BE STAKED AT PROPOSED SRP MANHOLES AND STRUCTURES. ALL STAKING SHALL BE DONE PRIOR TO SRP STAKING NEW IRRIGATION FACILITIES. THE CUSTOMER'S ENGINEER SHALL MAINTAIN REFERENCE STAKES REQUIRED FOR THE DURATION OF SRP IRRIGATION SYSTEM CONSTRUCTION.

KEY PLAN



IMPORTANT NOTE:

PART A: SRP LAND RIGHTS REQUIRED
PART B: USA LAND RIGHTS REQUIRED

PLAN INDEX

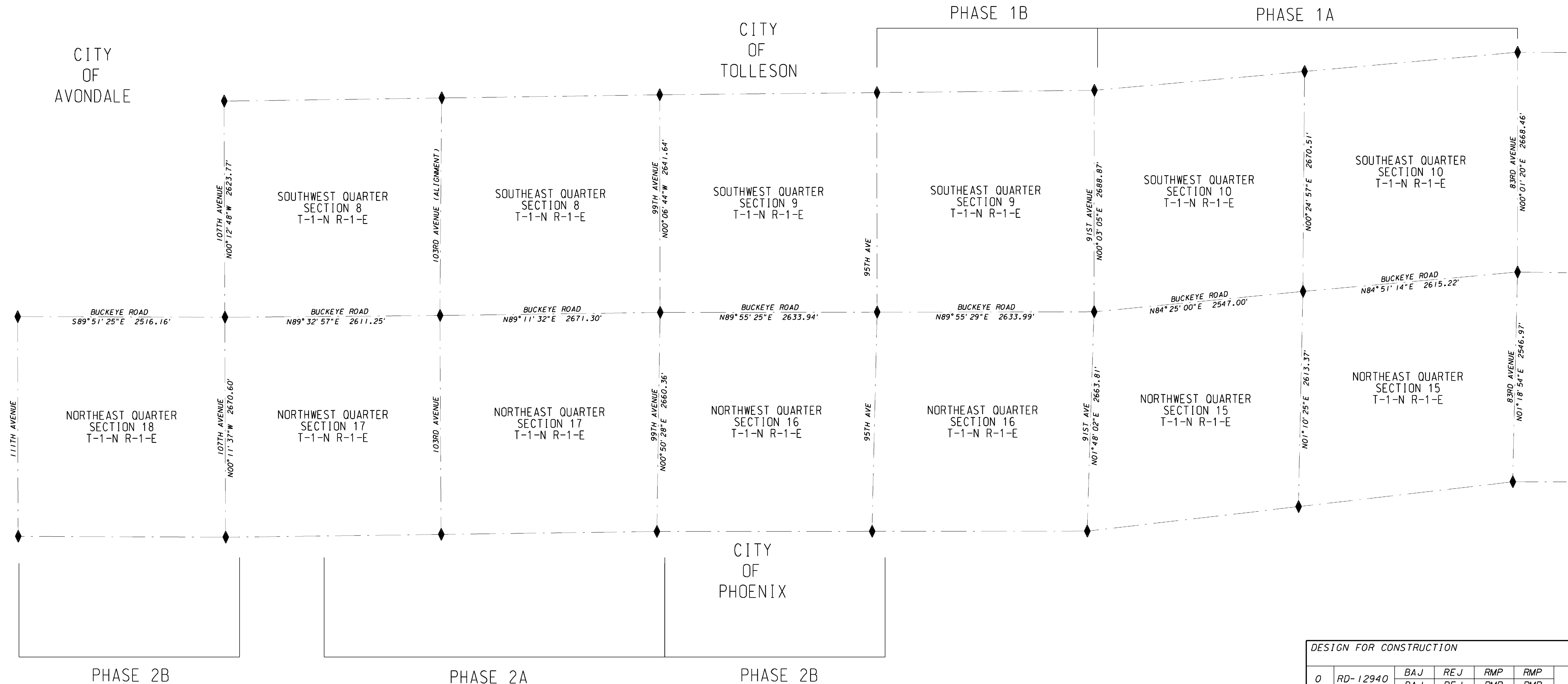
IRRIGATION GEOMETRY/KEY MAP SHEETS	[2] & [24]	TURNOUT STRUCTURE(S) DETAILS SHEET	[36]
PLAN/PROFILE(S) SHEET	[3] THRU SHEET [18B]	THRU SHEET	[61]
MANHOLE DETAIL(S) SHEET	[29] THRU SHEET [33]	UTILITY DATA SHEET	[62] THRU SHEET [69]
HEADWALL(S) SHEET	[34]		
HEADWALL W/TRASHRACK(S) SHEET	[35]		

IRRIGFS.WDF											
REV	NO.	DATE	DFTR	DSGN	ENGR	SUPV	ISSUE	CHK	APPD	AUTH	
17	10	13.05	JWS	-	CWT	-	REL	-	-	-	
18	04	10.07	JWS	-	CWT	-	REL	-	-	-	
FORM NO											
WDF-IRRIGFS											

DESIGN FOR CONSTRUCTION						
0	RD-12940	REJ	REJ	RMP	RMP	12/19/17
REV NO.	JOB NO.	DFTR	DSGN	ENGR CHK	ISSUE AUTH	DATE
 SALT RIVER PROJECT WATER ENGINEERING  PHOENIX, ARIZONA						
GRAND CANAL LATERAL 21.0, 22.0 & 23.0 SEC 9, 10 & 16 TIN RIE						
SCALE: NONE			TEMPORARY - 12940FSHI.DGN			SHEET NO.
SUBJ CODE	DIST CODE	DWG SIZE	12940FSHI			1
CV	Y3	22X34				

**DWG. NOT APPROVED.
DO NOT CONSTRUCT
W/ THIS DOCUMENT.**

MC 85 75TH AVENUE TO 107TH AVENUE
SRP CONTROL (GEOMETRIC) SHEET



CONTROL NOTES:

ALL SRP PLAN & PROFILE DRAWINGS ARE BASED ON
MARICOPA COUNTY SECTION CORNERS.

All Coordinates Shown are "GROUND COORDINATES"
Bearings are based on Grid North, AZSPCS, Central Zone, NAD83(CORS)
Vertical Datum: (NGVD29)

Benchmark: BRASS CAP ON TOP OF STRUCTURE (POINTS #8001)
Elevation: 996.48'

Northing offset: 800,000
 Easting offset: 500,000
 CPI Grid to Ground Scale Factor: 1.00013147212756

Ex.: (Ground Coordinate "+" Offset "x" CPI Grid to Ground Scale Factor reciprocal * Original Grid Coordinate)

DESIGN FOR CONSTRUCTION							
0	RD-12940	BAJ	REJ	RMP	RMP	/ /	
		BAJ	REJ	RMP	RMP		
REV NO.	JOB NO.	DFTR	DSGN	ENGR CHK	ISSUE AUTH	DATE	
		SALT RIVER PROJECT WATER ENGINEERING  PHOENIX, ARIZONA					
GRAND CANAL LATERAL 21.0, 22.0 & 23.0 SEC 8, 9, 10, 15, 16, 17, 18 TIN RIE GEOMETRIC SHEET							
SCALE: NONE				TEMPORARY - 12940GE01.DGN		SHEET NO.	
SUBJ CODE	DIST CODE	DWG SIZE		12940GE01		2	
CV	Y3	22X34					

IRRIGS. WDF

REV NO	DATE	DFTR	DSGN	ENGR	SUPV	ISSUE
				CHK	APPD	AUTH
17	10.13.05	JWS	-	CWT	-	REL
18	04.10.07	JWS	-	CWT	-	REL

REVISED EXISTING DITCH AND PIPE SYMBOLLOGY TO BE A SOLID

REVISED BENCHMARK SYMBOLLOGY TO BE A SOLID

REVISED

WDF-IRRIGFS

SALT RIVER PROJECT
IRRIGATION IMPROVEMENTS
SRP ENGINEERING FILE NO. RD-12940
MC 85 91ST AVENUE TO 95TH AVENUE
KEY PLAN PHASE 1A & 1B



DWG. NOT APPROVED.
DO NOT CONSTRUCT
W/ THIS DOCUMENT.

IRRIGS. WDF

REV	NO.	DATE	DFTR	DSGN	ENGR	SUPV	ISSUE
17	10.13.05	JWS	-	CWT	-	-	REL
18	04.10.07	JWS	-	CWT	-	-	REL

FORM NO. WDF-IRRIGS

DESIGN FOR CONSTRUCTION

0	RD-12940	BAJ	REJ	RMP	RMP	12/19/17
REV NO.	JOB NO.	DFTR	DSGN	ENGR CHK	ISSUE AUTH	DATE

 **SALT RIVER PROJECT**
WATER ENGINEERING  PHOENIX, ARIZONA

**GRAND CANAL
DRAIN & LATERAL 21.0, 22.0
SEC 9, 10 & 16
TIN RIE
KEY PLAN PHASE 1A & 1B**

SCALE: NONE			KEY PLAN PHASE 1, DGN		SHEET NO.
SUBJ CODE	DIST CODE	DWG SIZE	KEY PLAN		2A
CV	Y3	22X34			

CONT. NORTH
DWG B-112-G037

STA 26+21.0
OFFSET 37.5' LT
@ MH #1
DWG A-910-G408

STA 26+33.94
S4 COR
SEC 9, TIN, RIE

STA 26+23.0±
OFFSET 37.5' LT±
TIE TO EXIST

STA 27+02.5
OFFSET 38.0' LT

STA 27+26.9
OFFSET 52.2' LT
@ HDWL/TRRK #3
DWG 12940HT1

24" RGRCP

24" RGRCP

24" RGRCP

30" CP

(2) 24" RGRCP
CLASS 5

FOR LATERAL 22.0-
SEE DWG A-102-0072

STA 26+88.1±
OFFSET 36.0' LT±
@ HDWL/TRRK #1
DWG A-910-G407

EXISTING EDGE
OF PAVEMENT

2633.99'
N89°55'29"E

SLIPFORM LINING

20.0' SRP ESMT

36" RGRCP

20.0' SRP ESMT

36" RGRCP

STA 26+83.5
STA 27+07.7
OFFSET 40.4' RT

STA 27+26.3
OFFSET 77.0' RT
@ MH #1
DWG 12940DBMH1

STA 31+34.9
OFFSET 77.0' RT
@ MH #2
DWG 12940MH2

NEW TCE

MATCHLINE STA 26+00

CONT. WEST
DWG B-112-G213

HYD GR-0.00259
500 MI 24" RGRCP
n=0.012 v=4.0 fps

TOP TRRK

TOP MH

S=0.00833

STA 26+23.0±
EL 993.5±

STA 26+23.0
EL 993.5

STA 26+19.0
EL 993.0

STA 26+19.0
EL 993.4

STA 27+26.9
EL 993.8

S=0.00277

STA 26+88.1±
EL 994.0

1008

1006

1004

1002

1000

998

996

994

992

990

988

986

984

982

980

978

26+00

27+00

28+00

29+00

30+00

31+00

32+00

33+00

1008

1006

1004

1002

1000

998

996

994

992

990

988

986

984

982

980

978

RD-12940

BAJ

REJ

RMP

RMP

REV NO.

JOB NO.

DFTR

DSGN

ENGR CHK

ISSUE AUTH

DATE

SALT RIVER PROJECT

WATER ENGINEERING

PHOENIX, ARIZONA

GRAND CANAL
DRAIN
SEC 9 TIN RIE
S4 COR TO 660' E

SCALE: PLAN 1"=30', PROFILE 1"=4'

SUBJ CODE DIST CODE DWG SIZE

B112G195.DGN

SHEET NO.

PP

Y2

22X34

B-112-G195

3

**DWG. NOT APPROVED.
DO NOT CONSTRUCT
W/ THIS DOCUMENT.**

ELEVATION EQUATION:
ELEVATION THIS DWG.
MINUS 0.09' EQUALS
ELEVATION OF MCDOT
PROJECT NO. TT345
MC 85 BUCKEYE ROAD

LOCATION PLAN

IE

2E

5N

99TH AVE

4N

BUCKEYE RD

91ST AVE

BENCHMARK:
BRASS CAP ON NORTHWEST CORNER
OF TOP OF STRUCTURE LOCATED AT
50' SOUTH AND 665' WEST OF THE
NORTHEAST CORNER OF SECTION 18, TIN, RIE.
ELEVATION 996.48'

**1 THE GENERAL NOTES ON THE COVER SHEET INCLUDE
ADDITIONAL REQUIREMENTS RELATING TO THIS WORK.**

**2 UTILITY CROSSING/PARALLEL - SEE THE GENERAL NOTES
CONCERNING BLUE STAKING EXISTING UTILITIES, MINIMUM
CLEARANCES FROM SRP IRRIGATION FACILITIES, AND
RELOCATING CONFLICTING UTILITIES.**

3 REMOVE AS REQUIRED FOR CONSTRUCTION.

**7 CUSTOMER SHALL REMOVE AND PROPERLY DISPOSE OF THOSE
PARTS OF SRP IRRIGATION SYSTEM MADE OBSOLETE WHEN
NEW SRP IRRIGATION SYSTEM IS COMPLETE AND OPERATIONAL.
BACKFILL HOLES AND DEPRESSIONS TO BRING TO DESIGN
GRADE.**

**8 STANDARD SRP IRRIGATION MARKER BALLS, (STOCK CODE
NO. 5011771), SHALL BE INSTALLED BY THE CUSTOMER'S
CONTRACTOR, AS DIRECTED BY SRP, BETWEEN STATION
26+23.0 AND STATION 27+26.9 AND AT OTHER PIPE
LOCATIONS AS INDICATED. PLACE BALLS AT EVERY ANGLE
POINT, AT 100' INTERVALS ALONG STRAIGHT RUNS, 50'
INTERVALS ON CURVED RUNS, AT BURIED END POINTS, AND
3' BELOW THE SURFACE OR ON TOP OF THE PIPE/COLLAR
(EMBED IN WET CONCRETE), WHICHEVER IS SHALLOWER.
CONTACT SRP WATER INSPECTOR TO RECEIVE THE SRP
IRRIGATION MARKER BALLS.**

1 SEE SHEET PH0195 FOR UTILITY POTHOLE INFORMATION.

- ① THE GENERAL NOTES ON THE COVER SHEET INCLUDE ADDITIONAL REQUIREMENTS RELATING TO THIS WORK.
- ② UTILITY CROSSING/PARALLEL - SEE THE GENERAL NOTES CONCERNING BLUE STAKING EXISTING UTILITIES, MINIMUM CLEARANCES FROM SRP IRRIGATION FACILITIES, AND RELOCATING CONFLICTING UTILITIES.
- ③ REMOVE AS REQUIRED FOR CONSTRUCTION.
- ⑦ CUSTOMER SHALL REMOVE AND PROPERLY DISPOSE OF THOSE PARTS OF SRP IRRIGATION SYSTEM MADE OBSOLETE WHEN NEW SRP IRRIGATION SYSTEM IS COMPLETE AND OPERATIONAL. BACKFILL HOLES AND DEPRESSIONS TO BRING TO DESIGN GRADE.
- ⑧ STANDARD SRP IRRIGATION MARKER BALLS, (STOCK CODE NO. 5011771), SHALL BE INSTALLED BY THE CUSTOMER'S CONTRACTOR, AS DIRECTED BY SRP, BETWEEN STATION 26+23.0 AND STATION 27+26.9 AND AT OTHER PIPE LOCATIONS AS INDICATED. PLACE BALLS AT EVERY ANGLE POINT, AT 100' INTERVALS ALONG STRAIGHT RUNS, 50' INTERVALS ON CURVED RUNS, AT BURIED END POINTS, AND 3' BELOW THE SURFACE OR ON TOP OF THE PIPE/COLLAR (EMBED IN WET CONCRETE), WHICHEVER IS SHALLOWER. CONTACT SRP WATER INSPECTOR TO RECEIVE THE SRP IRRIGATION MARKER BALLS.

**DWG. NOT APPROVED.
DO NOT CONSTRUCT
W/ THIS DOCUMENT.**

LOCATION PLAN

The map shows a grid of streets. The vertical streets are labeled 99TH AVE on the left and 91ST AVE on the right. The horizontal streets are labeled 5N at the top and 4N at the bottom. A street labeled VAN BUREN ST runs horizontally across the top, between 5N and 4N. A street labeled BUCKEYE RD runs horizontally across the bottom, between 4N and 5N. A small black rectangle is located on BUCKEYE RD, between 99TH AVE and 91ST AVE, and between 4N and 5N.

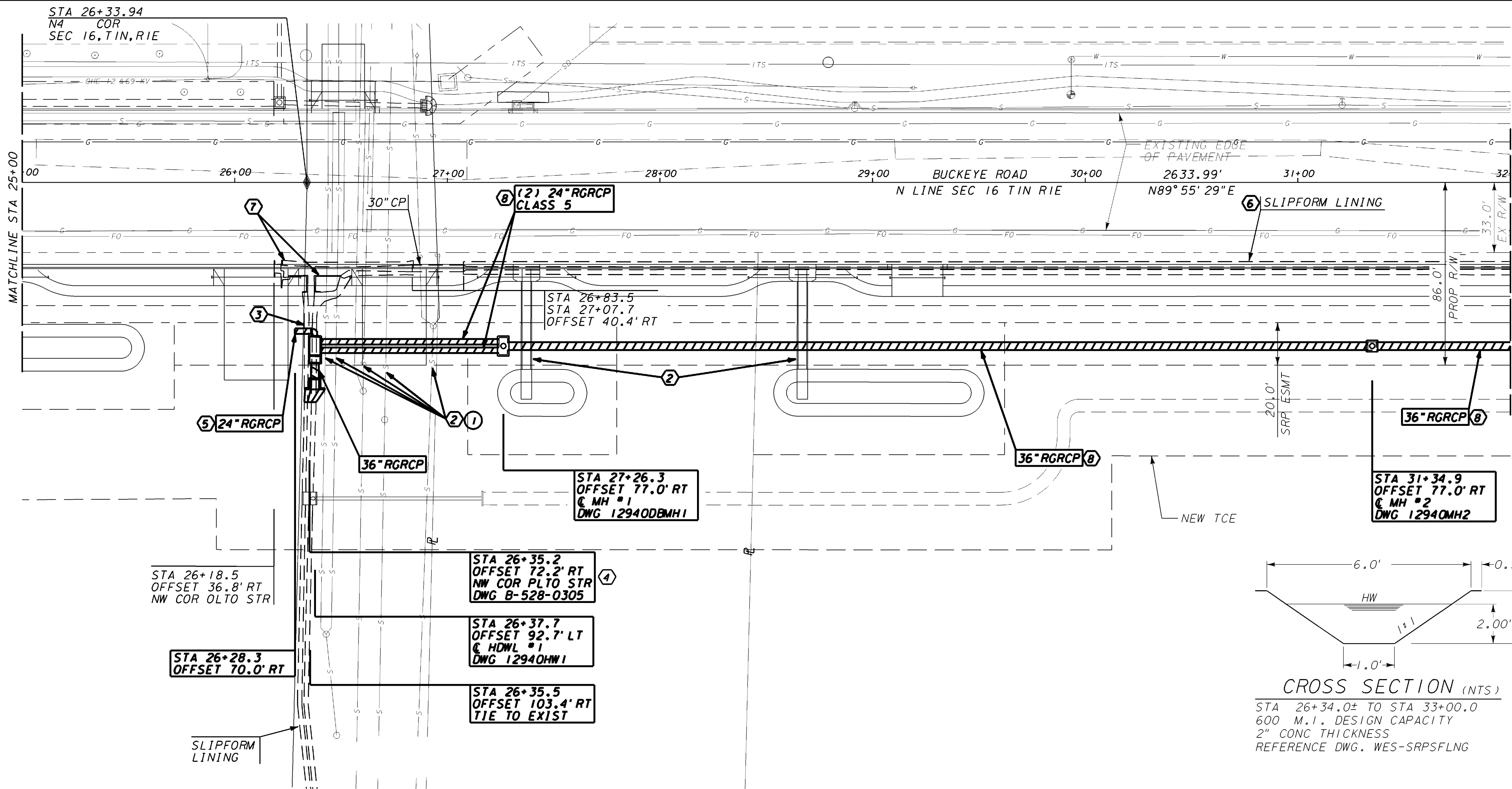
							/	/
REDRAWN FROM B-112-G018, SRP SURVEY W13-53393-01 & DESIGN PLANS FROM MCDOT FOR MC 85 EXPANSION.								
DESIGN FROM STA 26+23.0± TO STA 27+26.9								
0	RD-12940	BAJ	REJ	RMP	RMP		/	/
		BAJ	REJ	RMP	RMP			
REV. NO.	JOB NO.	DFTR	DSGN	ENGR CHK	ISSUE AUTH		DATE	

**GRAND CANAL
DRAIN
SEC 9 TIN RIE
S4 COR TO 660' E**

SCALE: PLAN 1"=30', PROFILE 1"=4'			B112G195.DGN	SHEET NO.
SUBJ CODE	DIST CODE	DWG SIZE	B-112-G195	3
PP	Y2	22X34		

REFERENCE FILES USED:
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REF #3:
REF #4:

CONT. DRAIN WEST
DWG B-112-0018

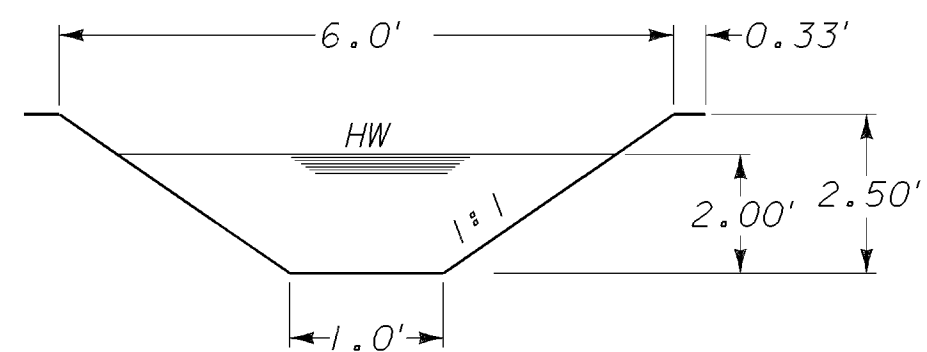


CONT. EAST
DWG A-102-0073

CONSTRUCTION NOTES

- THE GENERAL NOTES ON THE COVER SHEET INCLUDE ADDITIONAL REQUIREMENTS RELATING TO THIS WORK.
- UTILITY CROSSING/PARALLEL - SEE THE GENERAL NOTES CONCERNING BLUE STAKING EXISTING UTILITIES, MINIMUM CLEARANCES FROM SRP IRRIGATION FACILITIES, AND RELOCATING CONFLICTING UTILITIES.
- REMOVE AS REQUIRED FOR CONSTRUCTION.
- TURNOUT STRUCTURES AND PIPE STUBOUTS TO BE CONSTRUCTED BY SRP.
- PRIVATE IRRIGATION SYSTEM CONNECTION TO BE DESIGNED AND CONSTRUCTED BY CUSTOMER.
- CUSTOMER SHALL REMOVE AND PROPERLY DISPOSE OF EXISTING SRP CONCRETE DITCH LINING. AFTER REMOVING LINING, BACKFILL DITCH TO DESIGN GRADE.
- CUSTOMER SHALL REMOVE AND PROPERLY DISPOSE OF THOSE PARTS OF SRP IRRIGATION SYSTEM MADE OBSOLETE WHEN NEW SRP IRRIGATION SYSTEM IS COMPLETE AND OPERATIONAL. BACKFILL HOLES AND DEPRESSIONS TO BRING TO DESIGN GRADE.
- STANDARD SRP IRRIGATION MARKER BALLS, (STOCK CODE NO. 5011771), SHALL BE INSTALLED BY THE CUSTOMER'S CONTRACTOR, AS DIRECTED BY SRP, BETWEEN STATION 26+28.3 AND STATION 32+00.0 AND AT OTHER PIPE LOCATIONS AS INDICATED. PLACE BALLS AT EVERY ANGLE POINT, AT 100' INTERVALS ALONG STRAIGHT RUNS, 50' INTERVALS ON CURVED RUNS, AT BURIED END POINTS, AND 3' BELOW THE SURFACE OR ON TOP OF THE PIPE/COLLAR (EMBED IN WET CONCRETE), WHICHEVER IS SHALLOWER. CONTACT SRP WATER INSPECTOR TO RECEIVE THE SRP IRRIGATION MARKER BALLS.
- SEE SHEET PH0072 FOR UTILITY POTHOLE INFORMATION.

**DWG. NOT APPROVED.
DO NOT CONSTRUCT
W/ THIS DOCUMENT.**



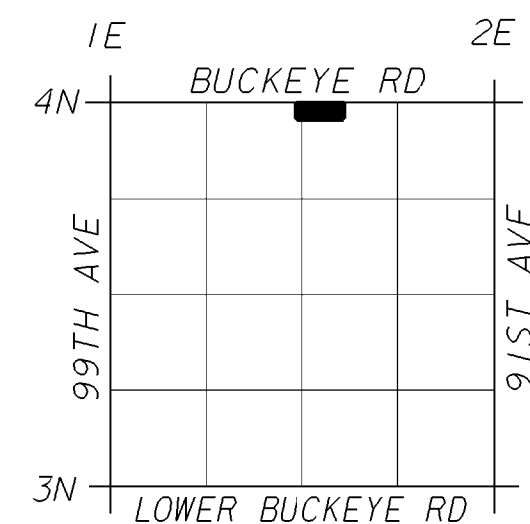
CROSS SECTION (NTS)

STA 26+34.0± TO STA 33+00.0
600 M.I. DESIGN CAPACITY
2" CONC THICKNESS
REFERENCE DWG. WES-SRPSFLNG

ELEVATION EQUATION:

ELEVATION THIS DWG.
MINUS 0.09' EQUALS
ELEVATION OF MCDOT
PROJECT NO. TT345
MC 85 BUCKEYE ROAD

LOCATION PLAN

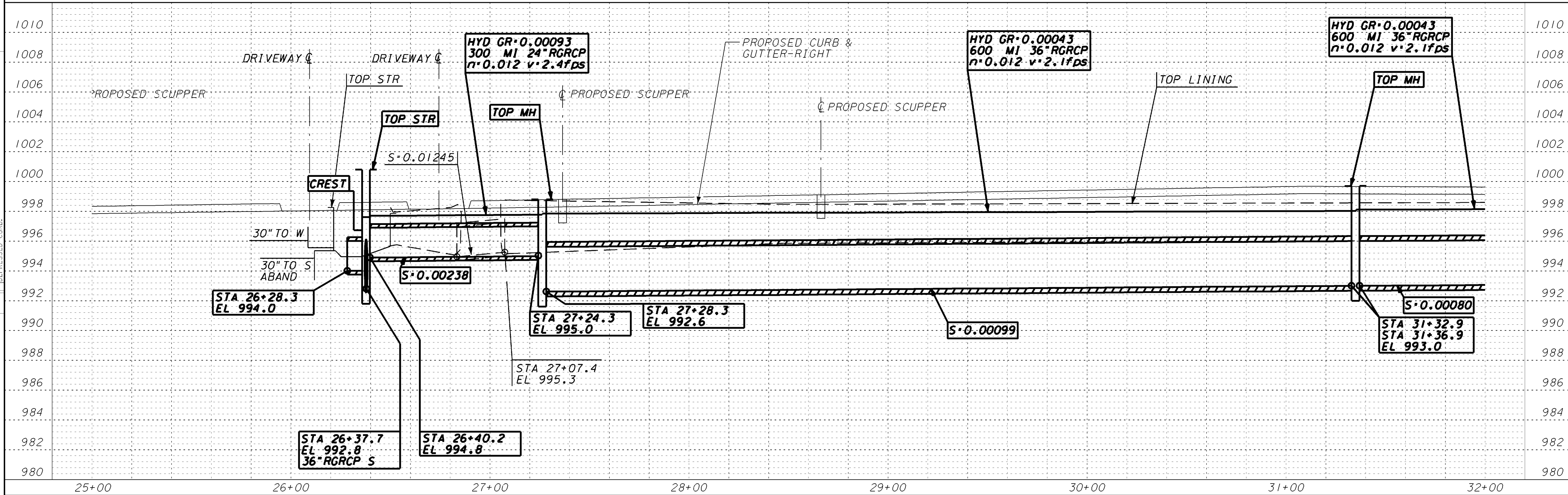


BENCHMARK:

NE COR PLTO STR 2-23-84.3
LOCATED AT 50' SOUTH AND
665' WEST OF THE NORTHEAST
CORNER OF SECTION 18, T1N, R1E.
ELEVATION 996.48'

REV	NO.	DATE	BY	CHKD	ENGR	ISSUE
1	04.03.06	JWS	CWT	-	-	REL
2	04.03.06	JWS	CWT	-	-	REL
3	04.03.06	JWS	CWT	-	-	REL
4	04.03.06	JWS	CWT	-	-	REL
5	04.03.06	JWS	CWT	-	-	REL
6	04.03.06	JWS	CWT	-	-	REL
7	04.03.06	JWS	CWT	-	-	REL
8	04.03.06	JWS	CWT	-	-	REL
9	04.03.06	JWS	CWT	-	-	REL
10	04.03.06	JWS	CWT	-	-	REL

WDF-PPSNG



REDRAWN FROM A-102-1277, SRP SURVEY W13-53393-01 &
DESIGN PLANS FROM MCDOT FOR MC 85 EXPANSION.
DESIGN FROM STA 26+28.3 TO STA 32+00.0

REV NO.	JOB NO.	DFTR	DSGN	ENGR CHK	ISSUE AUTH	DATE
0	RD-12940	BAJ	REJ	RMP	RMP	12/19/17

SRP SALT RIVER PROJECT
WATER ENGINEERING PHOENIX, ARIZONA

**GRAND CANAL
LATERAL 22.0
SEC 16 TIN RIE
N4 COR TO 660'E**

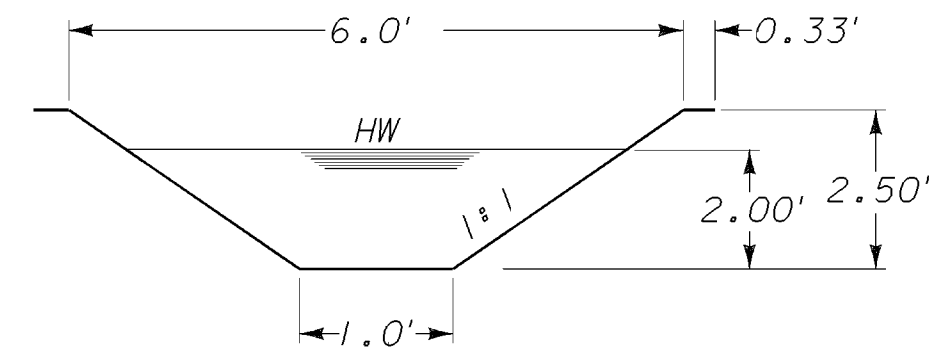
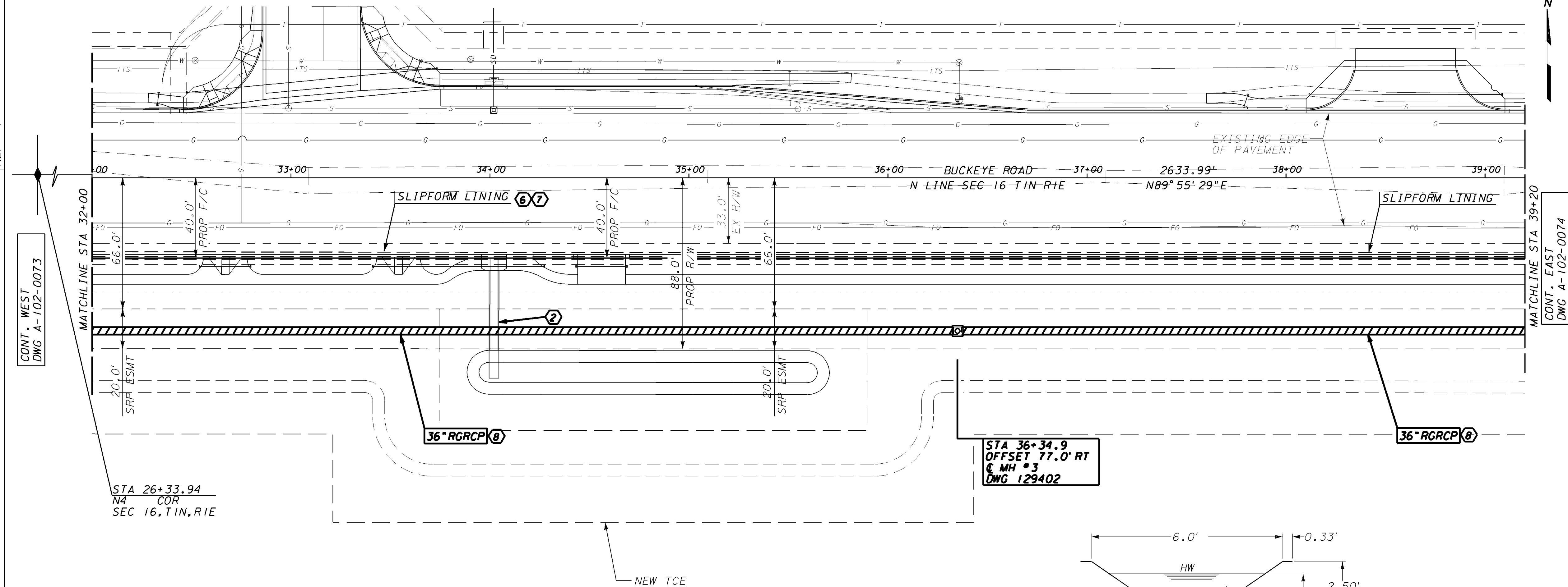
SCALE: PLAN 1"=30', PROFILE 1"=4'	A1020072.DGN	SHEET NO.
SUBJ CODE DIST CODE DWG SIZE	PP Y2 22X34	A-102-0072 4

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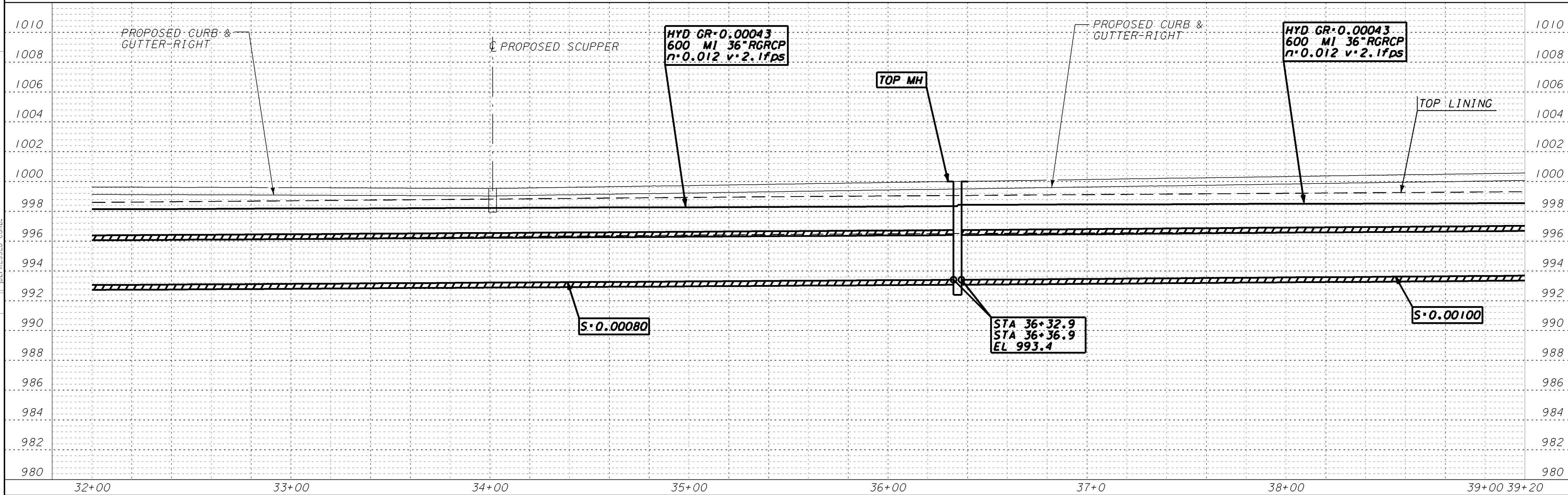
REV	NO	DATE	BY	CHKD	ENGR	ISSUE
7	04.03.06	JWS	CWT	-	-	REL
8	04.10.07	JWS	CWT	-	-	REL
FORM NO. 8						
FOR INDUSTRIAL DRIVEWAY WITH DEPRESSIONED CURB						

WDF-PPSNG

PPSNG, WDF



CROSS SECTION (NTS)
STA 33+00.0 TO STA 40+00.0
600 M.I. DESIGN CAPACITY
2\"/>

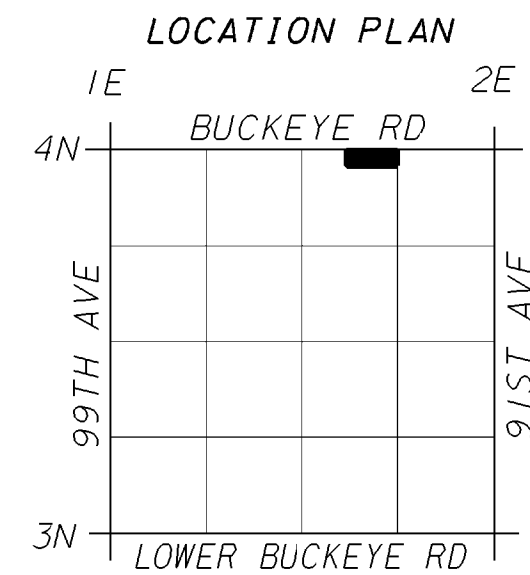


CONSTRUCTION NOTES

- THE GENERAL NOTES ON THE COVER SHEET INCLUDE ADDITIONAL REQUIREMENTS RELATING TO THIS WORK.
- UTILITY CROSSING/PARALLEL - SEE THE GENERAL NOTES CONCERNING BLUE STAKING EXISTING UTILITIES, MINIMUM CLEARANCES FROM SRP IRRIGATION FACILITIES, AND RELOCATING CONFLICTING UTILITIES.
- CUSTOMER SHALL REMOVE AND PROPERLY DISPOSE OF EXISTING SRP CONCRETE DITCH LINING, AFTER REMOVING LINING, BACKFILL DITCH TO DESIGN GRADE.
- CUSTOMER SHALL REMOVE AND PROPERLY DISPOSE OF THOSE PARTS OF SRP IRRIGATION SYSTEM MADE OBSOLETE WHEN NEW SRP IRRIGATION SYSTEM IS COMPLETE AND OPERATIONAL. BACKFILL HOLES AND DEPRESSIONS TO BRING TO DESIGN GRADE.
- STANDARD SRP IRRIGATION MARKER BALLS, (STOCK CODE NO. 5011771), SHALL BE INSTALLED BY THE CUSTOMER'S CONTRACTOR, AS DIRECTED BY SRP, BETWEEN STATION 32+00.0 AND STATION 39+20.0 AND AT OTHER PIPE LOCATIONS AS INDICATED. PLACE BALLS AT EVERY ANGLE POINT, AT 100' INTERVALS ALONG STRAIGHT RUNS, 50' INTERVALS ON CURVED RUNS, AT BURIED END POINTS, AND 3' BELOW THE SURFACE OR ON TOP OF THE PIPE/COLLAR (EMBED IN WET CONCRETE), WHICHEVER IS SHALLOWER. CONTACT SRP WATER INSPECTOR TO RECEIVE THE SRP IRRIGATION MARKER BALLS.

**DWG. NOT APPROVED.
DO NOT CONSTRUCT
W/ THIS DOCUMENT.**

ELEVATION EQUATION:
ELEVATION THIS DWG.
MINUS 0.09' EQUALS
ELEVATION OF MCDOT
PROJECT NO. TT345
MC 85 BUCKEYE ROAD



BENCHMARK:

NE COR PLTO STR 2-23-84.3
LOCATED AT 50' SOUTH AND
665' WEST OF THE NORTHEAST
CORNER OF SECTION 18, T1N, R1E.
ELEVATION 996.48'

REDRAWN FROM A-102-1278, SRP SURVEY W13-53393-01 &
DESIGN PLANS FROM MCDOT FOR MC 85 EXPANSION.
DESIGN FROM STA 32+00.0 TO STA 39+20.0

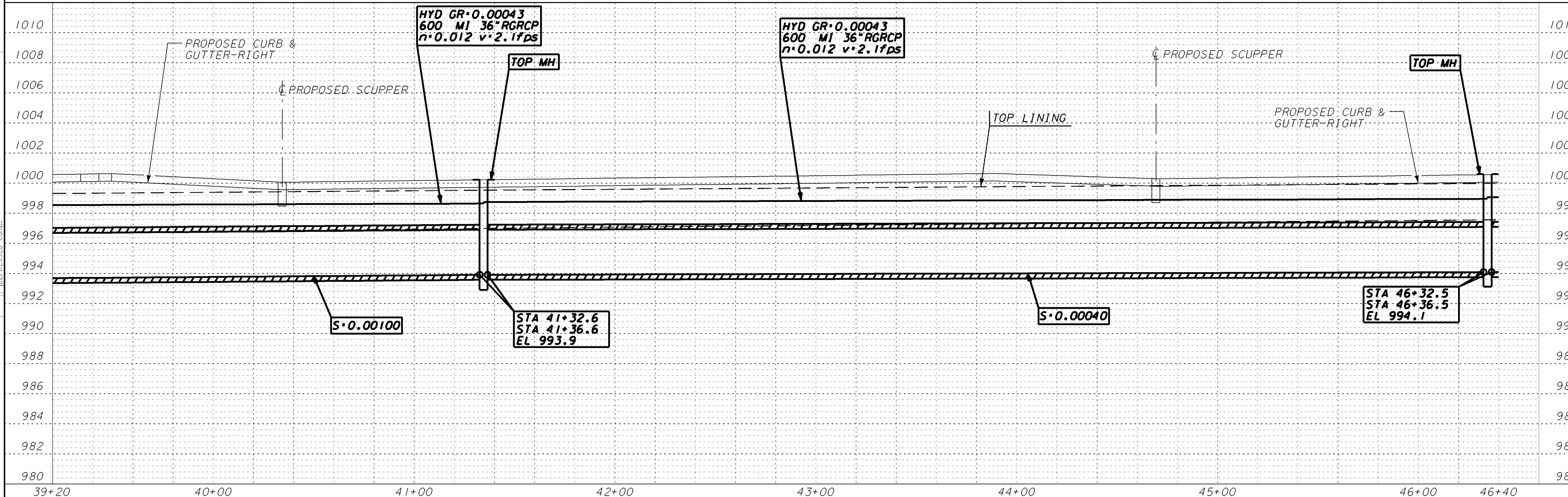
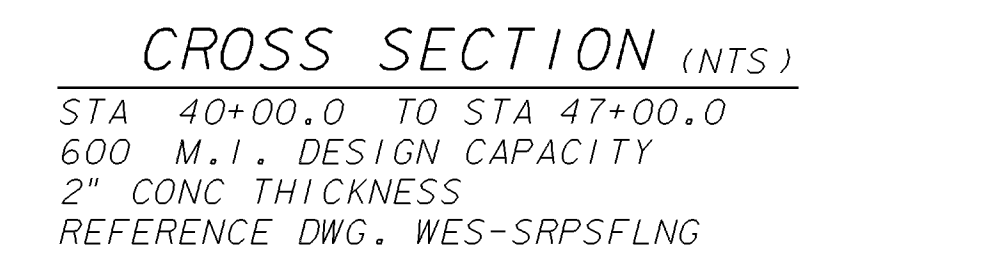
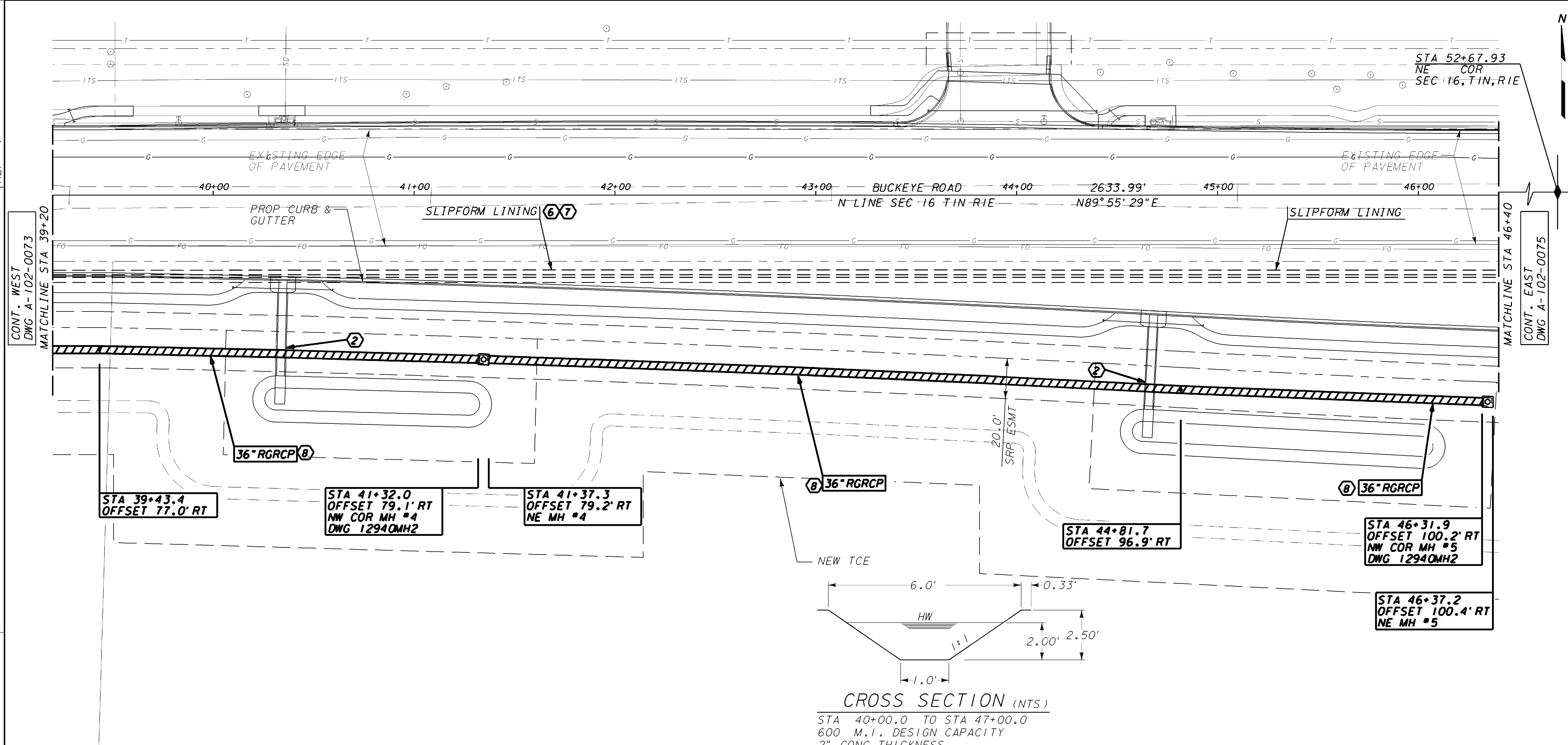
REV NO.	JOB NO.	DFT	DSGN	ENGR	ISSUE	DATE
0	RD-12940	BAJ	REJ	RMP	RMP	12/19/17
1	RD-12940	BAJ	REJ	RMP	RMP	12/19/17

SALT RIVER PROJECT
WATER ENGINEERING PHOENIX, ARIZONA

**GRAND CANAL
LATERAL 22.0
SEC 16 TIN R1E
660' E/O N4 COR
TO 16/1 COR**

SCALE:	PLAN 1"=30', PROFILE 1"=4'	A1020073.DGN	SHEET NO.
SUBJ CODE	DIST CODE	DWG SIZE	
PP	Y2	22X34	A-102-0073 5

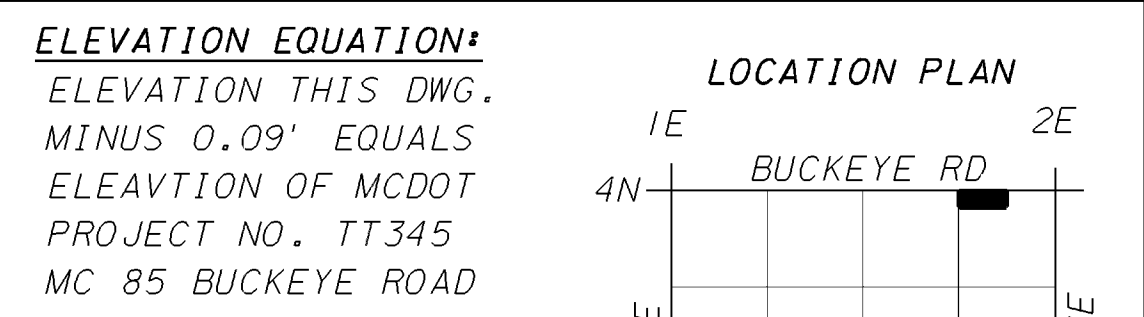
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REF #4:



CONSTRUCTION NOTES

- THE GENERAL NOTES ON THE COVER SHEET INCLUDE ADDITIONAL REQUIREMENTS RELATING TO THIS WORK.
- UTILITY CROSSING/PARALLEL - SEE THE GENERAL NOTES CONCERNING BLUE STAKING EXISTING UTILITIES, MINIMUM CLEARANCES FROM SRP IRRIGATION FACILITIES, AND RELOCATING CONFLICTING UTILITIES.
- CUSTOMER SHALL REMOVE AND PROPERLY DISPOSE OF EXISTING SRP CONCRETE DITCH LINING. AFTER REMOVING LINING, BACKFILL DITCH TO DESIGN GRADE.
- CUSTOMER SHALL REMOVE AND PROPERLY DISPOSE OF THOSE PARTS OF SRP IRRIGATION SYSTEM MADE OBSOLETE WHEN NEW SRP IRRIGATION SYSTEM IS COMPLETE AND OPERATIONAL. BACKFILL HOLES AND DEPRESSIONS TO BRING TO DESIGN GRADE.
- STANDARD SRP IRRIGATION MARKER BALLS, (STOCK CODE NO. 5011771), SHALL BE INSTALLED BY THE CUSTOMER'S CONTRACTOR, AS DIRECTED BY SRP, BETWEEN STATION 39+20.0 AND STATION 46+40.0 AND AT OTHER PIPE LOCATIONS AS INDICATED. PLACE BALLS AT EVERY ANGLE POINT, AT 100' INTERVALS ALONG STRAIGHT RUNS, 50' INTERVALS ON CURVED RUNS, AT BURIED END POINTS, AND 3' BELOW THE SURFACE OR ON TOP OF THE PIPE/COLLAR (EMBED IN WET CONCRETE), WHICHEVER IS SHALLOWER. CONTACT SRP WATER INSPECTOR TO RECEIVE THE SRP IRRIGATION MARKER BALLS.

**DWG. NOT APPROVED.
DO NOT CONSTRUCT
W/ THIS DOCUMENT.**



BENCHMARK:
NE COR PLTO STR 2-23-84.3
LOCATED AT 50' SOUTH AND
665' WEST OF THE NORTHEAST
CORNER OF SECTION 18, T1N, R1E.
ELEVATION 996.48'

REDRAWN FROM A-102-1279, SRP SURVEY W13-53393-01 & DESIGN PLANS FROM MCDOT FOR MC 85 EXPANSION. DESIGN FROM STA 39+20.0 TO STA 46+40.0

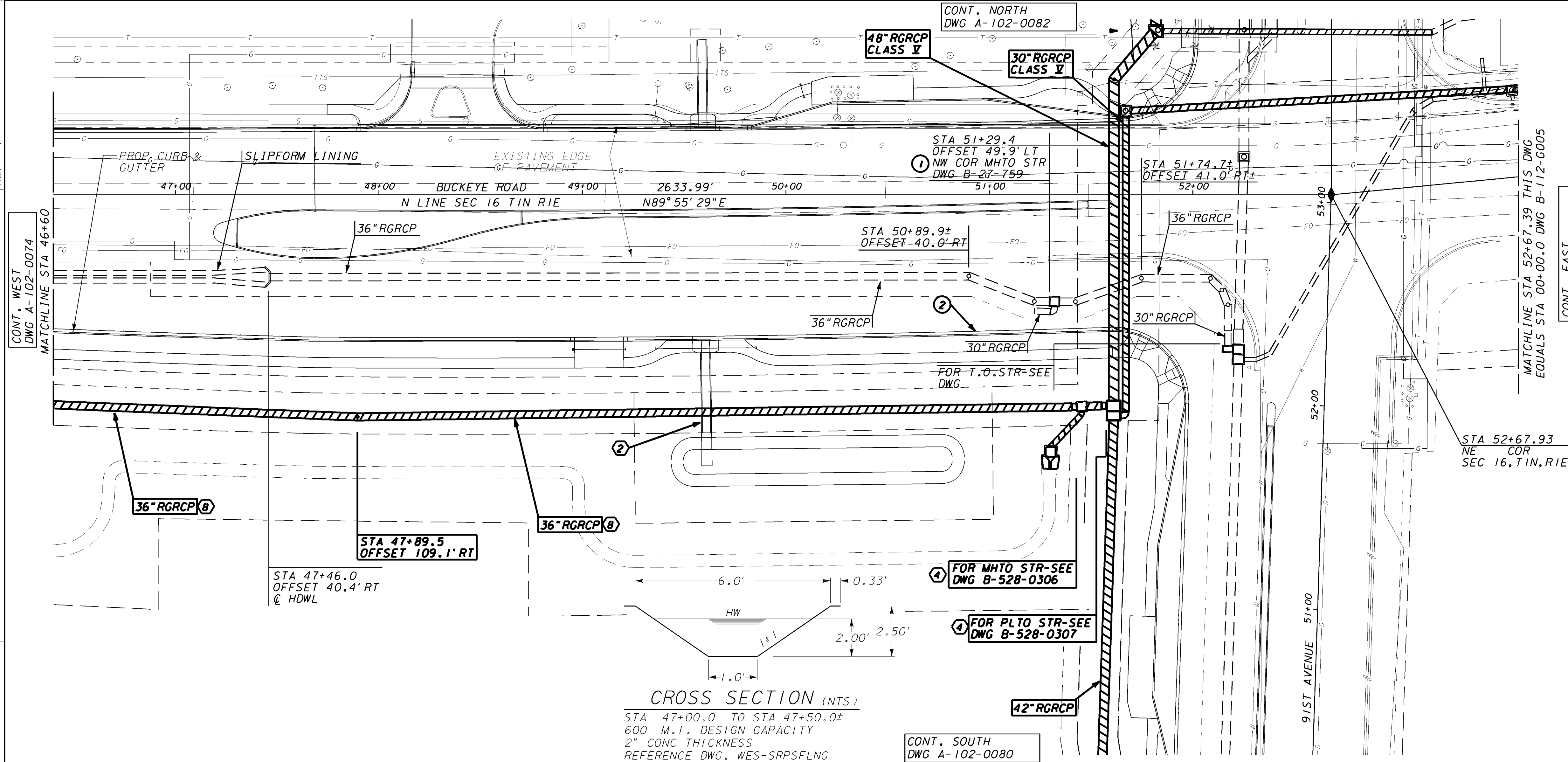
REV NO.	JOB NO.	DFT	DSGN	ENGR CHK	ISSUE AUTH	DATE
0	RD-12940	BAJ	REJ	RMP	RMP	12/19/17

SALT RIVER PROJECT
WATER ENGINEERING PHOENIX, ARIZONA

**GRAND CANAL
LATERAL 22.0
SEC 16 T1N R1E
16/1 COR TO
450' W/O NE COR**

SCALE: PLAN 1"=30', PROFILE 1"=4'	A1020074.DGN	SHEET NO.
SUBJ CODE DIST CODE DWG SIZE	A-102-0074	6

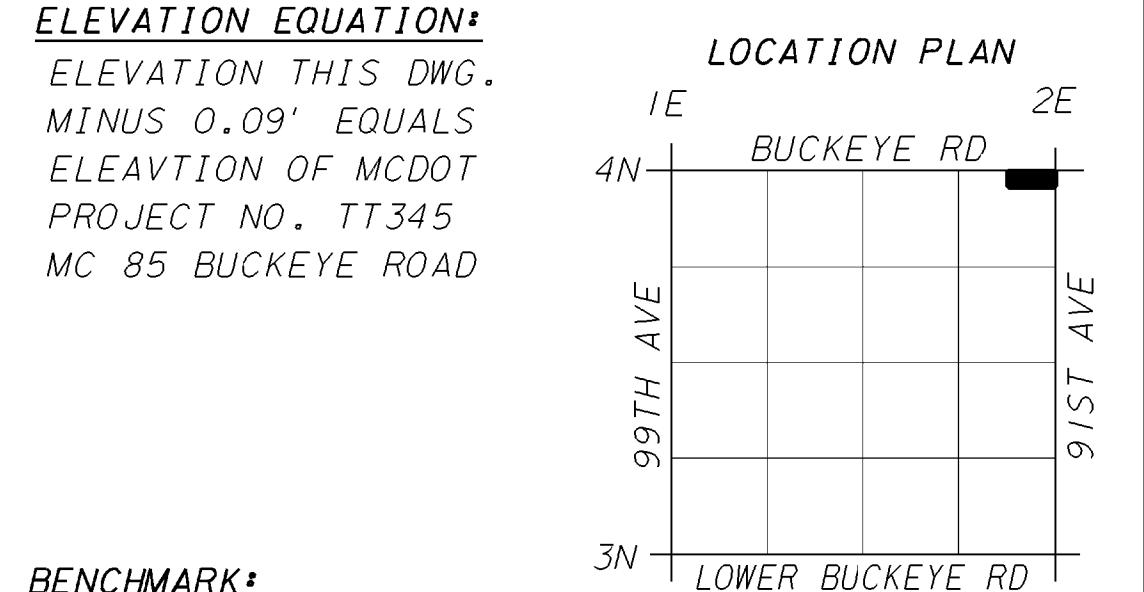
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CONSTRUCTION NOTES

- THE GENERAL NOTES ON THE COVER SHEET INCLUDE ADDITIONAL REQUIREMENTS RELATING TO THIS WORK.
- UTILITY CROSSING/PARALLEL - SEE THE GENERAL NOTES CONCERNING BLUE STAKING EXISTING UTILITIES, MINIMUM CLEARANCES FROM SRP IRRIGATION FACILITIES, AND RELOCATING CONFLICTING UTILITIES.
- REMOVE AS REQUIRED FOR CONSTRUCTION.
- TURNOUT STRUCTURES AND PIPE STUBOUTS TO BE CONSTRUCTED BY SRP.
- PRIVATE IRRIGATION SYSTEM CONNECTION TO BE DESIGNED AND CONSTRUCTED BY CUSTOMER.
- CUSTOMER SHALL REMOVE AND PROPERLY DISPOSE OF EXISTING SRP CONCRETE DITCH LINING. AFTER REMOVING LINING, BACKFILL DITCH TO DESIGN GRADE.
- CUSTOMER SHALL REMOVE AND PROPERLY DISPOSE OF THOSE PARTS OF SRP IRRIGATION SYSTEM MADE OBSOLETE WHEN NEW SRP IRRIGATION SYSTEM IS COMPLETE AND OPERATIONAL. BACKFILL HOLES AND DEPRESSIONS TO BRING TO DESIGN GRADE.
- STANDARD SRP IRRIGATION MARKER BALLS, (STOCK CODE NO. 5011771), SHALL BE INSTALLED BY THE CUSTOMER'S CONTRACTOR, AS DIRECTED BY SRP, BETWEEN STATION 46+60.0 AND STATION 51+53.4 AND AT OTHER PIPE LOCATIONS AS INDICATED. PLACE BALLS AT EVERY ANGLE POINT, AT 100' INTERVALS ALONG STRAIGHT RUNS, 50' INTERVALS ON CURVED RUNS, AT BURIED END POINTS, AND 3' BELOW THE SURFACE OR ON TOP OF THE PIPE/COLLAR (EMBED IN WET CONCRETE), WHICHEVER IS SHALLOWER. CONTACT SRP WATER INSPECTOR TO RECEIVE THE SRP IRRIGATION MARKER BALLS.
- NOTIFY THE SRP INSPECTOR A MINIMUM OF 72 HOURS PRIOR TO REMOVING SRP IRRIGATION STRUCTURE, SO SRP CAN SALVAGE HARDWARE.
- CUSTOMER SHALL PROVIDE 20'-0" WIDE INDUSTRIAL DRIVEWAY WITH DEPRESSED CURB PER MAG STANDARD DETAIL 250.

**DWG. NOT APPROVED.
DO NOT CONSTRUCT
W/ THIS DOCUMENT.**



BENCHMARK:
NE COR PLTO STR 2-23-84.3
LOCATED AT 50' SOUTH AND
665' WEST OF THE NORTHEAST
CORNER OF SECTION 18, T1N, R1E.
ELEVATION 996.48'

REDRAWN FROM A-102-1280, SRP SURVEY W13-53393-01 & DESIGN PLANS FROM MCDOT FOR MC 85 EXPANSION. DESIGN FROM STA 46+40.0 TO STA 51+58.0						
0	RD-12940	BAJ	REJ	RMP	RMP	12/19/17
		BAJ	REJ	RMP	RMP	
REV NO.	JOB NO.	DFTR	DSGN	ENGR CHK	ISSUE AUTH	DATE

SRP SALT RIVER PROJECT
WATER ENGINEERING PHOENIX, ARIZONA

**GRAND CANAL
LATERAL 22.0
SEC 16 TIN RIE
450' W/O NE COR
TO NE COR**

SCALE: PLAN 1"=30', PROFILE 1"=4'	A1020075.DGN	SHEET NO.
SUBJ CODE	DIST CODE	DWG SIZE
PP	Y2	22X34

A-102-0075

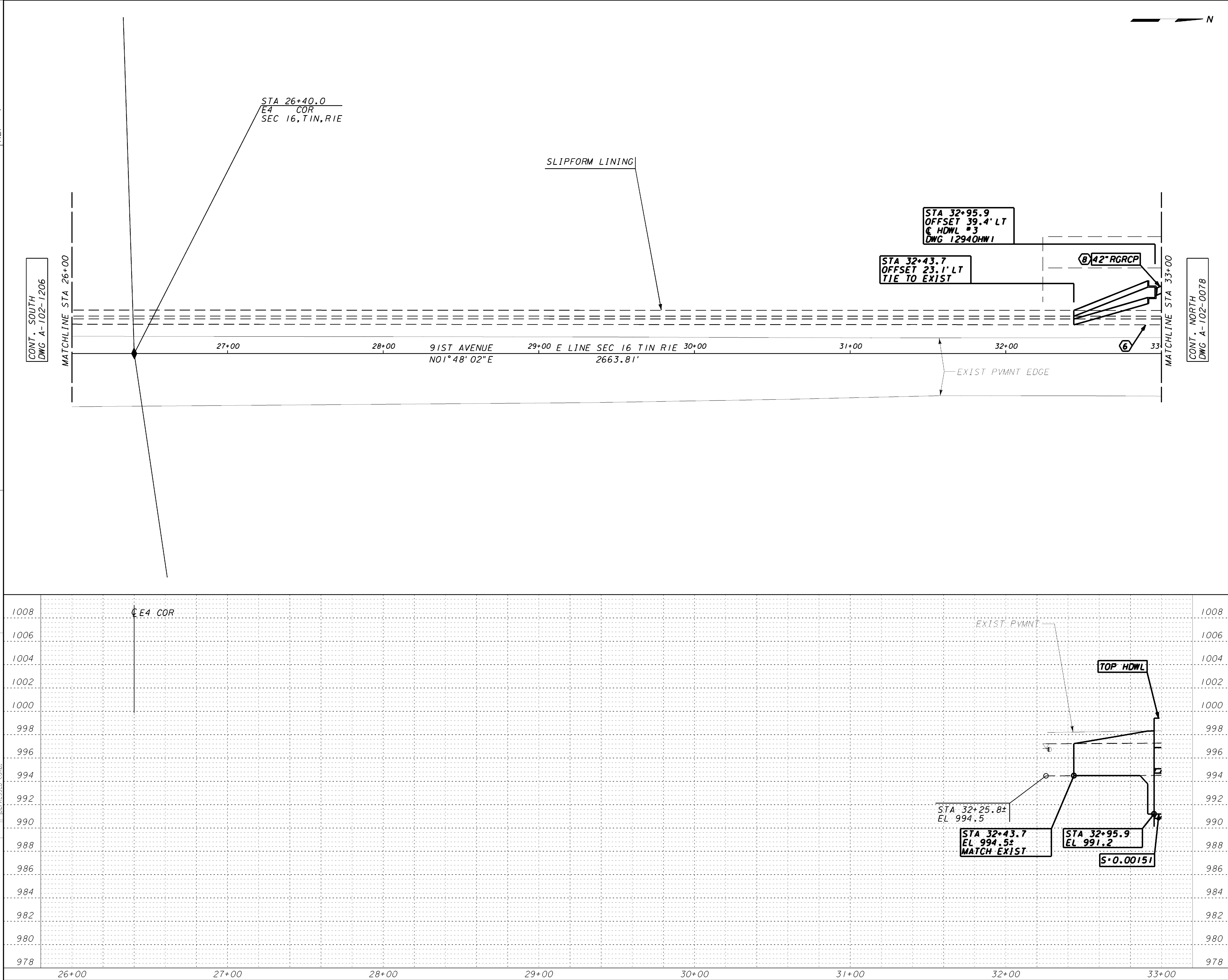
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REF # 4: -----

PPSNG, WDF

REV	NO	JOB/LOG	DATE	DFTR	CHGR	ENGR	SUPV	ISSUE
7	-	-	04.03.06	JWS	CWT	-	-	REL
ADDED DES NOT 8 & CIRCLE NOTES FOR BRIDGE RECOVERY								
8	-	-	04.10.07	JWS	CWT	-	-	REL
SUB STEP PAD INSTALLATION								
FORM NO								

WDF-PPSNG



CONSTRUCTION NOTES

1

THE GENERAL NOTES ON THE COVER SHEET INCLUDE ADDITIONAL REQUIREMENTS RELATING TO THIS WORK.

6

CUSTOMER SHALL REMOVE AND PROPERLY DISPOSE OF EXISTING SRP CONCRETE DITCH LINING, AFTER REMOVING LINING, BACKFILL DITCH TO DESIGN GRADE.

8

STANDARD SRP IRRIGATION MARKER BALLS, (STOCK CODE NO. 5011771), SHALL BE INSTALLED BY THE CUSTOMER'S CONTRACTOR, AS DIRECTED BY SRP, BETWEEN STATION 32+95.9 AND STATION 33+00.0 AND AT OTHER PIPE LOCATIONS AS INDICATED. PLACE BALLS AT EVERY ANGLE POINT, AT 100' INTERVALS ALONG STRAIGHT RUNS, 50' INTERVALS ON CURVED RUNS, AT BURIED END POINTS, AND 3' BELOW THE SURFACE OR ON TOP OF THE PIPE/COLLAR (EMBED IN WET CONCRETE), WHICHEVER IS SHALLOWER. CONTACT SRP WATER INSPECTOR TO RECEIVE THE SRP IRRIGATION MARKER BALLS.

DWG. NOT APPROVED.
DO NOT CONSTRUCT
W/ THIS DOCUMENT.

ELEVATION EQUATION:

ELEVATION THIS DWG.
MINUS 0.09' EQUALS
ELEVATION OF MCDOT
PROJECT NO. TT345
MC 85 BUCKEYE ROAD

LOCATION PLAN

1E

2E

4N

3N

BUCKEYE RD

99TH AVE

91ST AVE

LOWER BUCKEYE RD

BENCHMARK:

NE COR PLTO STR 2-23-84.3
LOCATED AT 50' SOUTH AND
665' WEST OF THE NORTHEAST
CORNER OF SECTION 18, TIN, RIE.
ELEVATION 996.48'

REDRAWN FROM A-102-305.2, SRP SURVEY W13-53393-01 &
DESIGN PLANS FROM MCDOT FOR MC 85 EXPANSION.
DESIGN FROM STA 32+43.7 TO STA 33+00.0

0

RD-12940

BAJ

REJ

RMP

RMP

12/19/17

REV NO.

JOB NO.

DFTR

DSGN

ENGR CHK

ISSUE AUTH

DATE

SRP

SALT RIVER PROJECT

WATER ENGINEERING

PHOENIX, ARIZONA

GRAND CANAL
LATERAL 22.0
SEC 16 TIN RIE
E4 COR TO 650'N

SCALE: PLAN 1"=30', PROFILE 1"=4'

A1020077.DGN

SHEET NO.

PP

Y2

22X34

A-102-0077

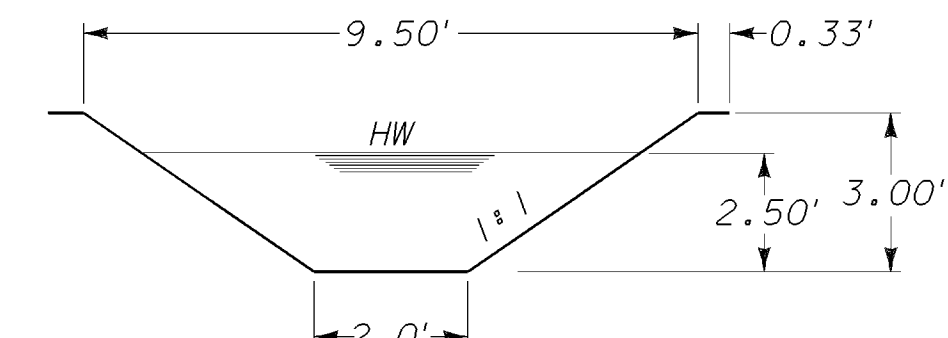
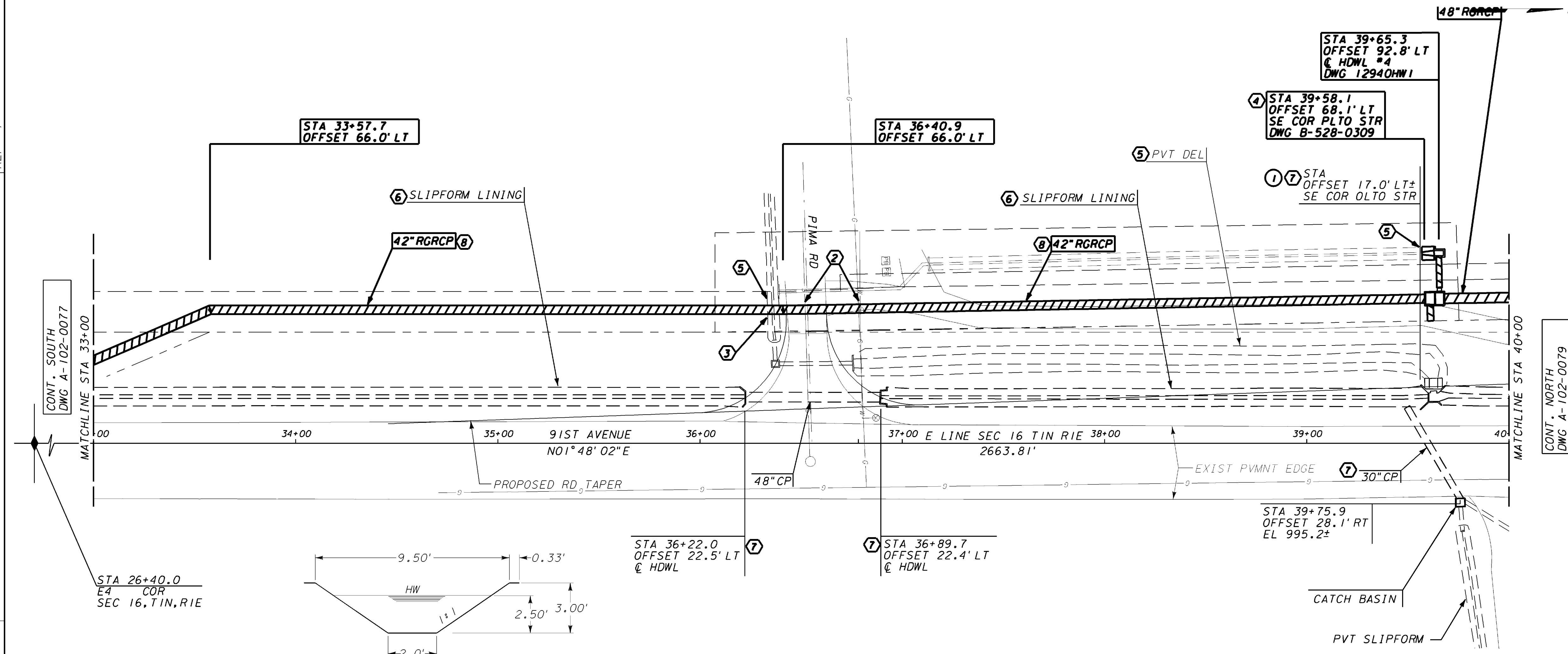
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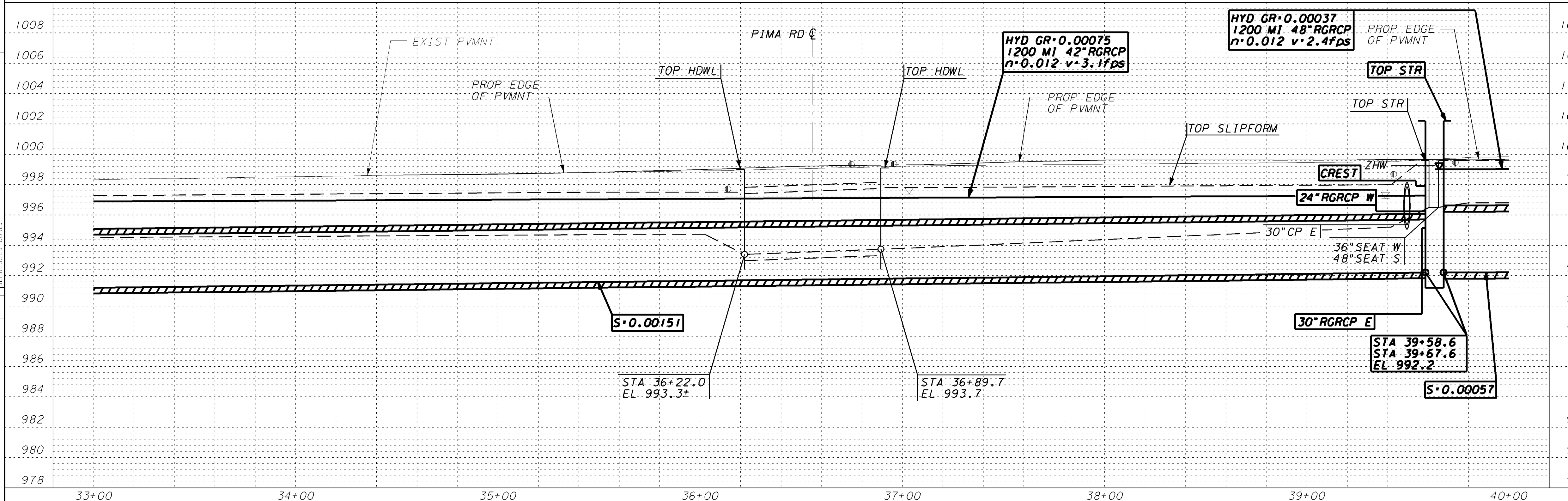
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8	04.10.07	WJS	CWT	-	-	-	REL
FORM NO. 100-PPSNG							

WDF-PPSNG

PPSNG, WDF



CROSS SECTION (NTS)
STA 33+00.0 TO STA 36+20.0±
STA 36+90.0± TO STA 40+00.0
1200 M.I. DESIGN CAPACITY
2" CONC THICKNESS
REFERENCE DWG. WES-SRPSFLNG

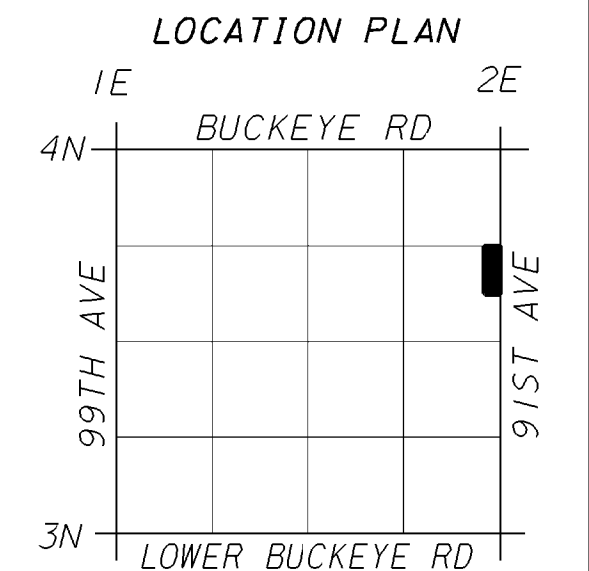


CONSTRUCTION NOTES

- THE GENERAL NOTES ON THE COVER SHEET INCLUDE ADDITIONAL REQUIREMENTS RELATING TO THIS WORK.
- UTILITY CROSSING/PARALLEL - SEE THE GENERAL NOTES CONCERNING BLUE STAKING EXISTING UTILITIES, MINIMUM CLEARANCES FROM SRP IRRIGATION FACILITIES, AND RELOCATING CONFLICTING UTILITIES.
- REMOVE AS REQUIRED FOR CONSTRUCTION.
- TURNOUT STRUCTURES AND PIPE STUBOUTS TO BE CONSTRUCTED BY SRP.
- PRIVATE IRRIGATION SYSTEM CONNECTION TO BE DESIGNED AND CONSTRUCTED BY CUSTOMER.
- CUSTOMER SHALL REMOVE AND PROPERLY DISPOSE OF EXISTING SRP CONCRETE DITCH LINING. AFTER REMOVING LINING, BACKFILL DITCH TO DESIGN GRADE.
- CUSTOMER SHALL REMOVE AND PROPERLY DISPOSE OF THOSE PARTS OF SRP IRRIGATION SYSTEM MADE OBSOLETE WHEN NEW SRP IRRIGATION SYSTEM IS COMPLETE AND OPERATIONAL. BACKFILL HOLES AND DEPRESSIONS TO BRING TO DESIGN GRADE.
- STANDARD SRP IRRIGATION MARKER BALLS, (STOCK CODE NO. 5011771), SHALL BE INSTALLED BY THE CUSTOMER'S CONTRACTOR, AS DIRECTED BY SRP, BETWEEN STATION 33+00.0 AND STATION 40+00.0 AND AT OTHER PIPE LOCATIONS AS INDICATED. PLACE BALLS AT EVERY ANGLE POINT, AT 100' INTERVALS ALONG STRAIGHT RUNS, 50' INTERVALS ON CURVED RUNS, AT BURIED END POINTS, AND 3' BELOW THE SURFACE OR ON TOP OF THE PIPE/COLLAR (EMBED IN WET CONCRETE), WHICHEVER IS SHALLOWER. CONTACT SRP WATER INSPECTOR TO RECEIVE THE SRP IRRIGATION MARKER BALLS.
- NOTIFY THE SRP INSPECTOR A MINIMUM OF 72 HOURS PRIOR TO REMOVING SRP IRRIGATION STRUCTURE, SO SRP CAN SALVAGE HARDWARE.
- SEE SHEET PH0078 FOR UTILITY POTHOLE INFORMATION.

**DWG. NOT APPROVED.
DO NOT CONSTRUCT
W/ THIS DOCUMENT.**

ELEVATION EQUATION:
ELEVATION THIS DWG.
MINUS 0.09' EQUALS
ELEVATION OF MCDOT
PROJECT NO. TT345
MC 85 BUCKEYE ROAD



BENCHMARK:
NE COR PLTO STR 2-23-84.3
LOCATED AT 50' SOUTH AND
665' WEST OF THE NORTHEAST
CORNER OF SECTION 18, TIN, RIE.
ELEVATION 996.48'

REDRAWN FROM A-102-1300, SRP SURVEY W13-53393-01 & DESIGN PLANS FROM MCDOT FOR MC 85 EXPANSION. DESIGN FROM STA 33+00.0 TO STA 40+00.0

REV NO.	JOB NO.	DATE	BY	CHKD	ENGR	SUPV	ISSUE
0	RD-12940	BAJ	REJ	RMP	RMP	RMP	12/19/17

SRP SALT RIVER PROJECT
WATER ENGINEERING PHOENIX, ARIZONA

**GRAND CANAL
LATERAL 22.0
SEC 16 TIN RIE
650' N/O E4 COR
TO 16/8 COR**

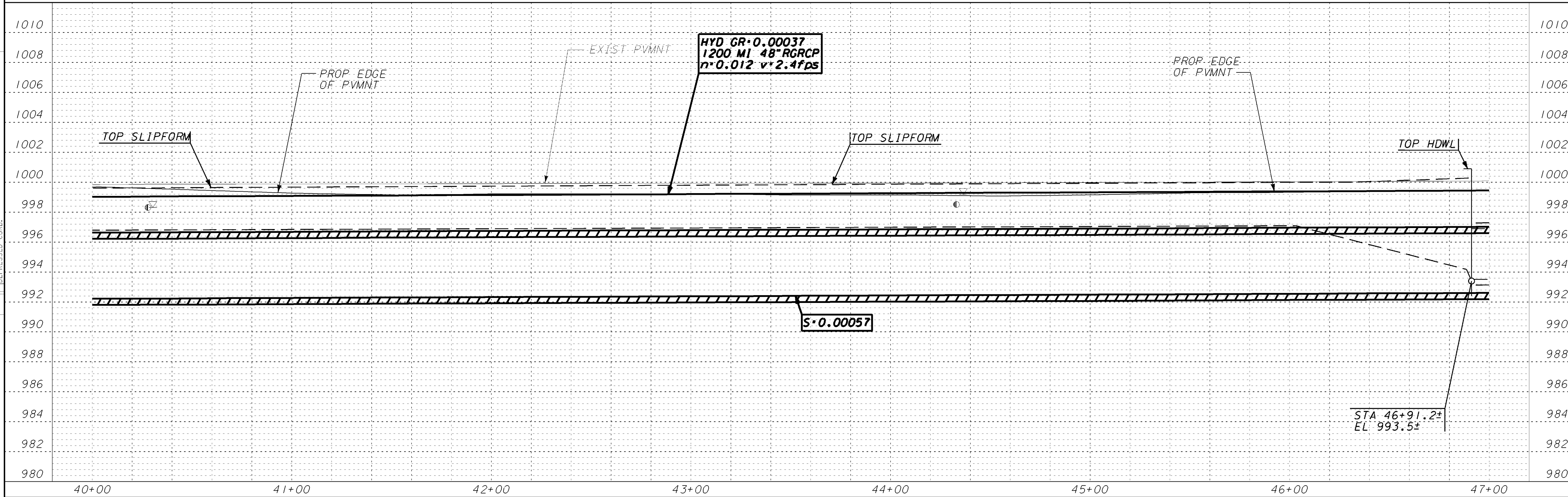
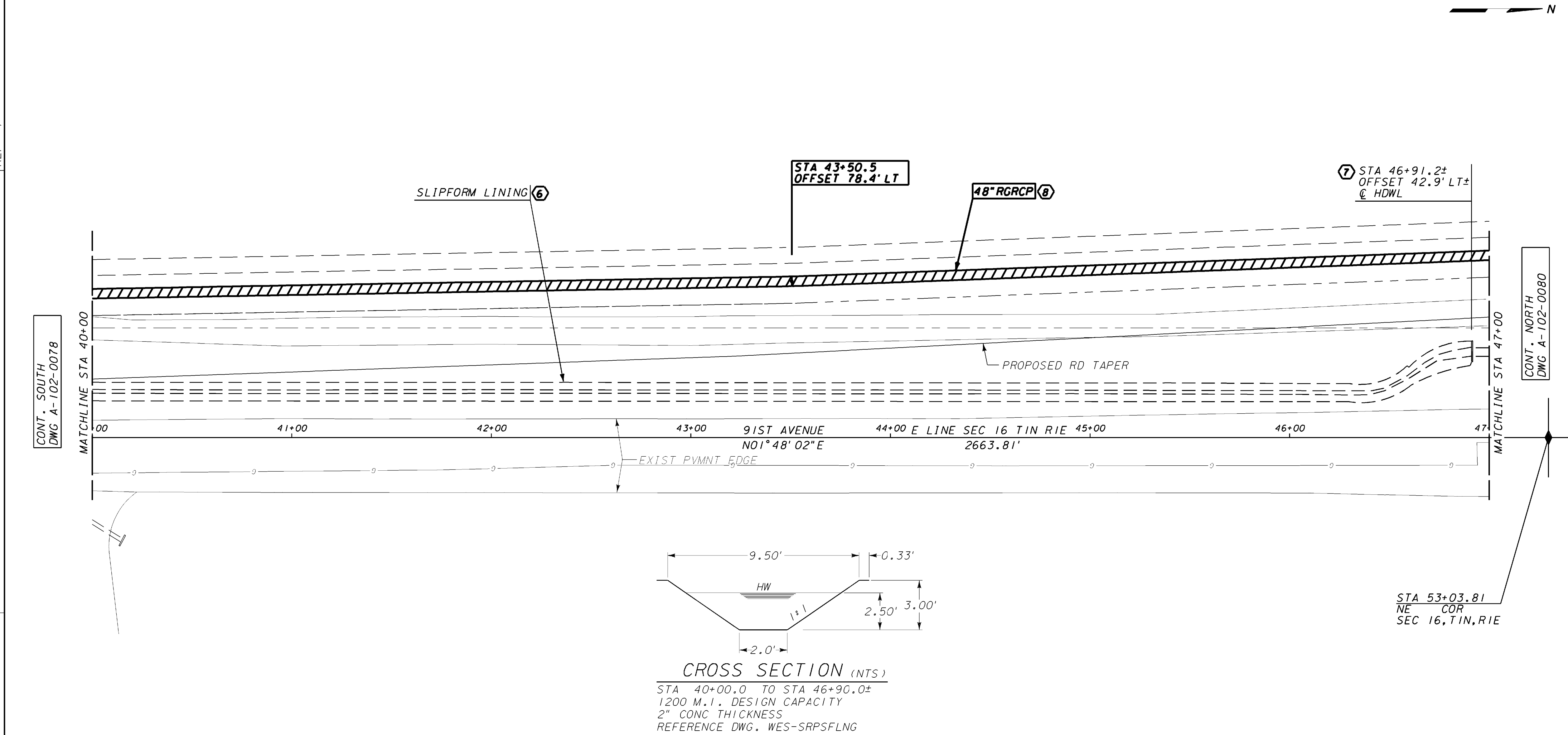
SCALE: PLAN 1"=30', PROFILE 1"=4'	A1020078.DGN	SHEET NO.
SUBJ CODE DIST CODE DWG SIZE	A-102-0078	9

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REF # 1: M3BM.DGN
REF # 2: M3BM.DGN
REF # 3: M3BM.DGN
REF # 4: M3BM.DGN

REV	NO.	DATE	BY	CHKD	ENGR	SUPV	ISSUE
1	04.03.06	JWS	CWT	-	-	-	REL
2	04.03.06	JWS	CWT	-	-	-	REL
3	04.03.06	JWS	CWT	-	-	-	REL
4	04.03.06	JWS	CWT	-	-	-	REL
5	04.03.06	JWS	CWT	-	-	-	REL
6	04.03.06	JWS	CWT	-	-	-	REL
7	04.03.06	JWS	CWT	-	-	-	REL
8	04.03.06	JWS	CWT	-	-	-	REL
9	04.03.06	JWS	CWT	-	-	-	REL
10	04.03.06	JWS	CWT	-	-	-	REL

WDF-PPSNG

PPSNG, WDF



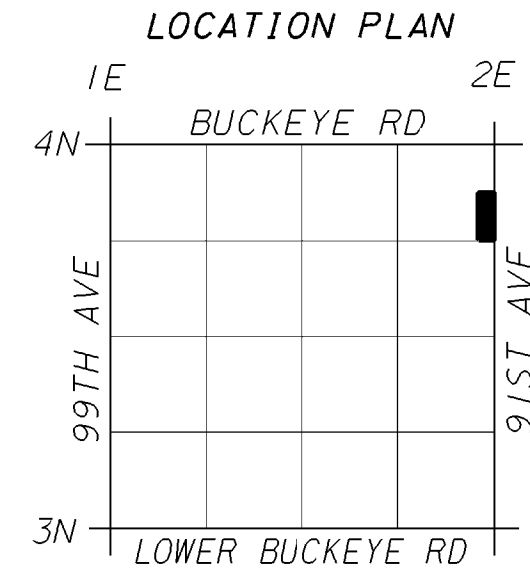
CONSTRUCTION NOTES

- THE GENERAL NOTES ON THE COVER SHEET INCLUDE ADDITIONAL REQUIREMENTS RELATING TO THIS WORK.
- CUSTOMER SHALL REMOVE AND PROPERLY DISPOSE OF EXISTING SRP CONCRETE DITCH LINING. AFTER REMOVING LINING, BACKFILL DITCH TO DESIGN GRADE.
- CUSTOMER SHALL REMOVE AND PROPERLY DISPOSE OF THOSE PARTS OF SRP IRRIGATION SYSTEM MADE OBSOLETE WHEN NEW SRP IRRIGATION SYSTEM IS COMPLETE AND OPERATIONAL. BACKFILL HOLES AND DEPRESSIONS TO BRING TO DESIGN GRADE.
- STANDARD SRP IRRIGATION MARKER BALLS, (STOCK CODE NO. 5011771), SHALL BE INSTALLED BY THE CUSTOMER'S CONTRACTOR, AS DIRECTED BY SRP, BETWEEN STATION 40+00.0 AND STATION 47+00.0 AND AT OTHER PIPE LOCATIONS AS INDICATED. PLACE BALLS AT EVERY ANGLE POINT, AT 100' INTERVALS ALONG STRAIGHT RUNS, 50' INTERVALS ON CURVED RUNS, AT BURIED END POINTS, AND 3' BELOW THE SURFACE OR ON TOP OF THE PIPE/COLLAR (EMBED IN WET CONCRETE), WHICHEVER IS SHALLOWER. CONTACT SRP WATER INSPECTOR TO RECEIVE THE SRP IRRIGATION MARKER BALLS.

**DWG. NOT APPROVED.
DO NOT CONSTRUCT
W/ THIS DOCUMENT.**

ELEVATION EQUATION:

ELEVATION THIS DWG.
MINUS 0.09' EQUALS
ELEVATION OF MCDOT
PROJECT NO. TT345
MC 85 BUCKEYE ROAD



BENCHMARK:

NE COR PLTO STR 2-23-84.3
LOCATED AT 50' SOUTH AND
665' WEST OF THE NORTHEAST
CORNER OF SECTION 18, T1N, R1E.
ELEVATION 996.48'

REDRAWN FROM A-102-1301, SRP SURVEY W13-53393-01 & DESIGN PLANS FROM MCDOT FOR MC 85 EXPANSION. DESIGN FROM STA 40+00.0 TO STA 47+00.0

REV NO.	JOB NO.	DATE	BY	CHKD	ENGR	SUPV	ISSUE
0	RD-12940	BAJ	REJ	RMP	RMP	RMP	12/19/17
1	RD-12940	BAJ	REJ	RMP	RMP	RMP	12/19/17

SALT RIVER PROJECT
WATER ENGINEERING PHOENIX, ARIZONA

**GRAND CANAL
LATERAL 22.0
SEC 16 T1N R1E
16/8 COR TO
600' S/O NE COR**

SCALE: PLAN 1"=30', PROFILE 1"=4'	A1020079.DGN	SHEET NO.
SUBJ CODE DIST CODE DWG SIZE	PP Y2 22X34	10

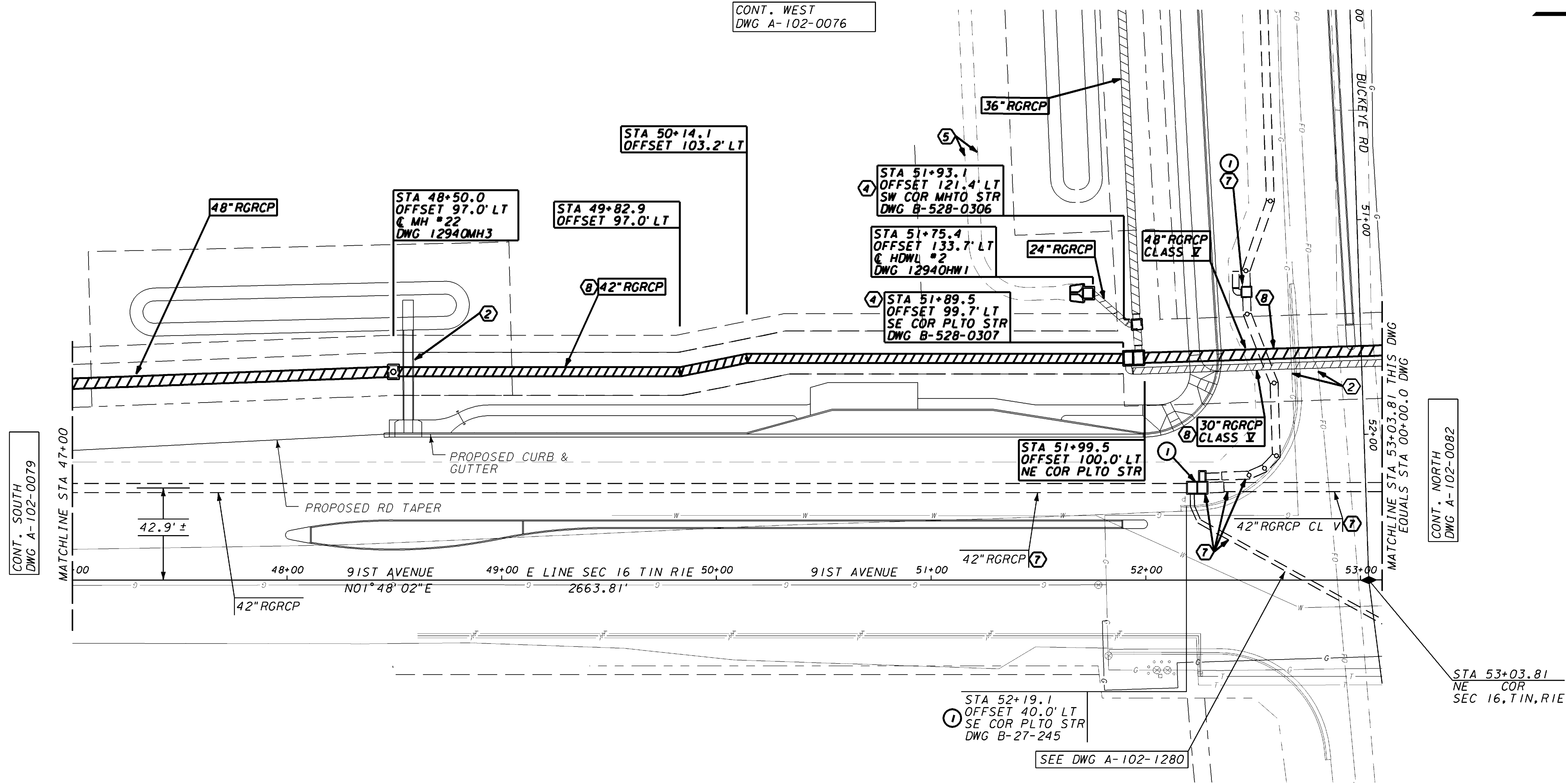
REFERENCE FILES USED:
REF # 1: M3BM.DGN
REF # 2: M3BM.DGN
REF # 3:
REF # 4:

REV	NO	DATE	BY	CHKD	DESC	ISSUE
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2	04.03.06	JWS	CWT	-	REL	-
3	04.03.06	JWS	CWT	-	REL	-
4	04.03.06	JWS	CWT	-	REL	-
5	04.03.06	JWS	CWT	-	REL	-
6	04.03.06	JWS	CWT	-	REL	-
7	04.03.06	JWS	CWT	-	REL	-
8	04.03.06	JWS	CWT	-	REL	-
9	04.03.06	JWS	CWT	-	REL	-
10	04.03.06	JWS	CWT	-	REL	-

WDF-PPSNG

PPSNG, WDF

CONT. WEST
DWG A-102-0076



CONSTRUCTION NOTES

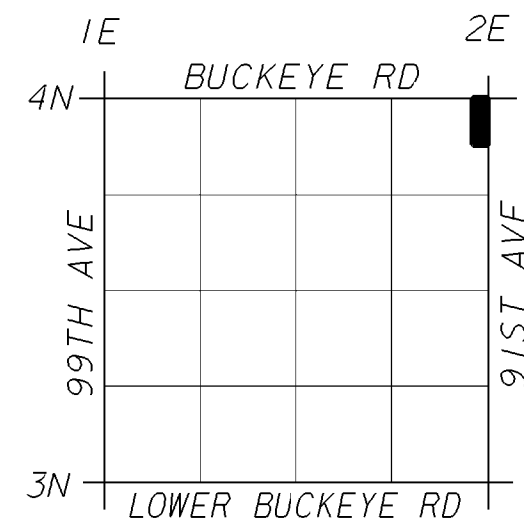
- THE GENERAL NOTES ON THE COVER SHEET INCLUDE ADDITIONAL REQUIREMENTS RELATING TO THIS WORK.
- UTILITY CROSSING/PARALLEL - SEE THE GENERAL NOTES CONCERNING BLUE STAKING EXISTING UTILITIES, MINIMUM CLEARANCES FROM SRP IRRIGATION FACILITIES, AND RELOCATING CONFLICTING UTILITIES.
- REMOVE AS REQUIRED FOR CONSTRUCTION.
- TURNOUT STRUCTURES AND PIPE STUBOUTS TO BE CONSTRUCTED BY SRP.
- PRIVATE IRRIGATION SYSTEM CONNECTION TO BE DESIGNED AND CONSTRUCTED BY CUSTOMER.
- CUSTOMER SHALL REMOVE AND PROPERLY DISPOSE OF THOSE PARTS OF SRP IRRIGATION SYSTEM MADE OBSOLETE WHEN NEW SRP IRRIGATION SYSTEM IS COMPLETE AND OPERATIONAL. BACKFILL HOLES AND DEPRESSIONS TO BRING TO DESIGN GRADE.
- STANDARD SRP IRRIGATION MARKER BALLS, (STOCK CODE No. 5011771), SHALL BE INSTALLED BY THE CUSTOMER'S CONTRACTOR, AS DIRECTED BY SRP, BETWEEN STATION 47+00.0 AND STATION 53+03.1 AND AT OTHER PIPE LOCATIONS AS INDICATED. PLACE BALLS AT EVERY ANGLE POINT, AT 100' INTERVALS ALONG STRAIGHT RUNS, 50' INTERVALS ON CURVED RUNS, AT BURIED END POINTS, AND 3' BELOW THE SURFACE OR ON TOP OF THE PIPE/COLLAR (EMBED IN WET CONCRETE), WHICHEVER IS SHALLOWER. CONTACT SRP WATER INSPECTOR TO RECEIVE THE SRP IRRIGATION MARKER BALLS.
- NOTIFY THE SRP INSPECTOR A MINIMUM OF 72 HOURS PRIOR TO REMOVING SRP IRRIGATION STRUCTURE, SO SRP CAN SALVAGE HARDWARE.
- SEE SHEET PH0080 FOR UTILITY POTHOLE INFORMATION.

**DWG. NOT APPROVED.
DO NOT CONSTRUCT
W/ THIS DOCUMENT.**

ELEVATION EQUATION:

ELEVATION THIS DWG.
MINUS 0.09' EQUALS
ELEVATION OF MCDOT
PROJECT NO. TT345
MC 85 BUCKEYE ROAD

LOCATION PLAN



BENCHMARK:

NE COR PLTO STR 2-23-84.3
LOCATED AT 50' SOUTH AND
665' WEST OF THE NORTHEAST
CORNER OF SECTION 18, T1N, R1E.
ELEVATION 996.48'

REDRAWN FROM A-102-1281, SRP SURVEY W13-53393-01 &
DESIGN PLANS FROM MCDOT FOR MC 85 EXPANSION.
DESIGN FROM STA 47+00.0 TO STA 53+03.8

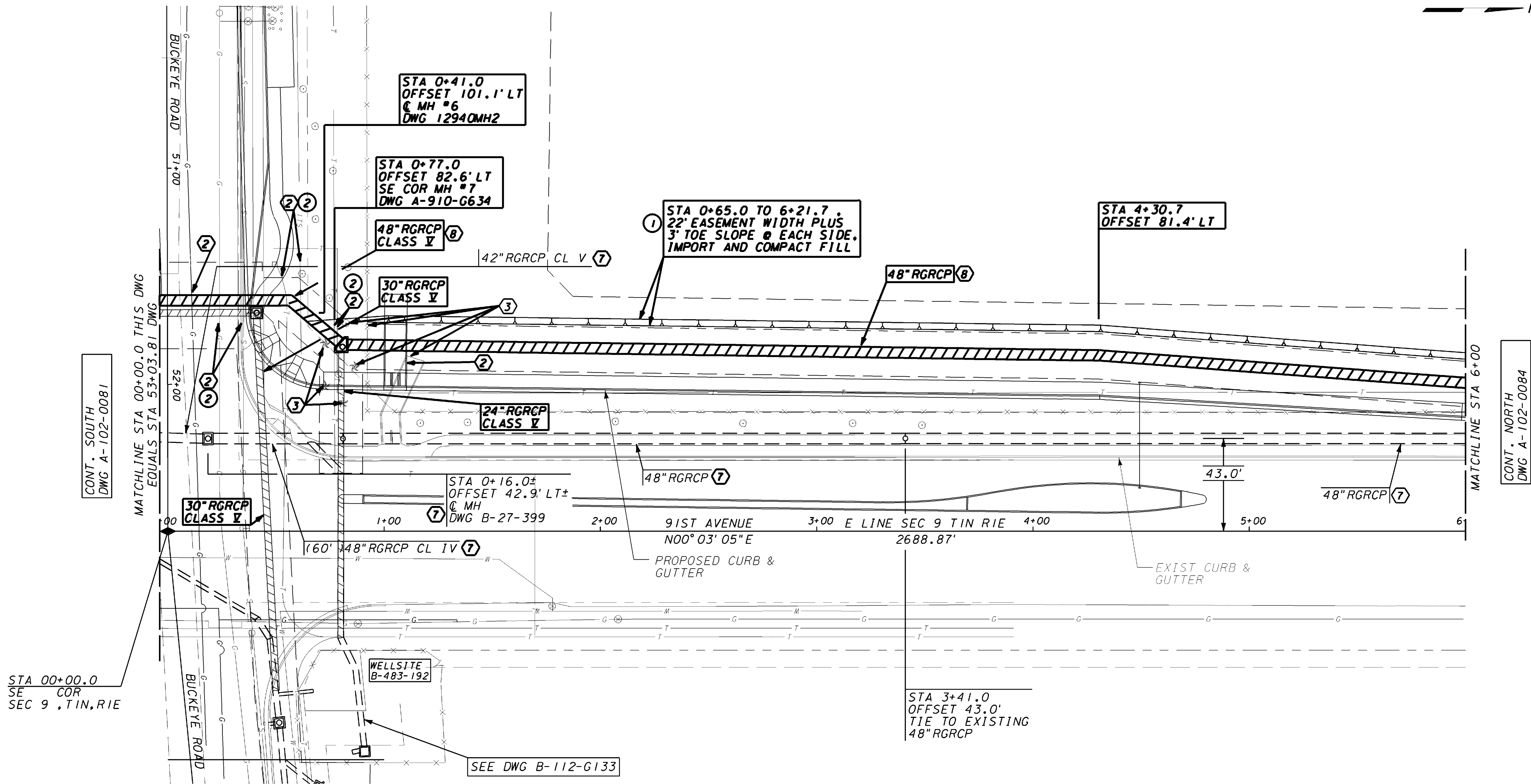
REV NO.	JOB NO.	DATE	BY	CHKD	DESC	ISSUE
0	RD-12940	BAJ	REJ	RMP	RMP	12/19/17
1	RD-12940	BAJ	REJ	RMP	RMP	

SALT RIVER PROJECT
WATER ENGINEERING PHOENIX, ARIZONA

**GRAND CANAL
LATERAL 22.0
SEC 16 T1N R1E
600' S/O NE COR
TO NE COR**

SCALE:	PLAN 1"=30'	PROFILE 1"=4'	AT020080.DGN	SHEET NO.
SUBJ CODE	DIST CODE	DWG SIZE	A-102-0080	11

REFERENCE FILES USED:
REF # 1: M3BM.DGN
REF # 2: M3BM.DGN
REF # 3: M3BM.DGN
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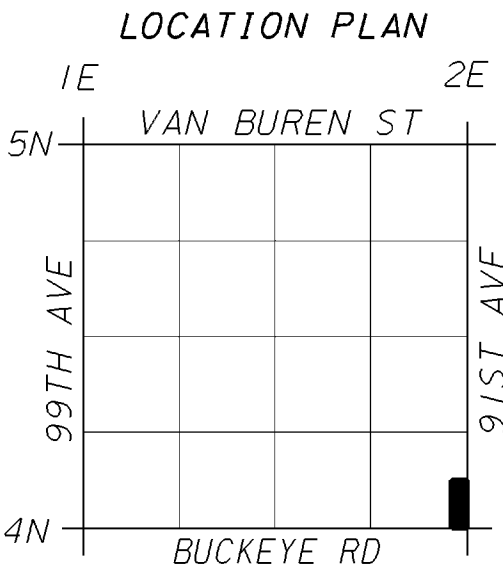


CONSTRUCTION NOTES

- THE GENERAL NOTES ON THE COVER SHEET INCLUDE ADDITIONAL REQUIREMENTS RELATING TO THIS WORK.
- UTILITY CROSSING/PARALLEL - SEE THE GENERAL NOTES CONCERNING BLUE STAKING EXISTING UTILITIES, MINIMUM CLEARANCES FROM SRP IRRIGATION FACILITIES, AND RELOCATING CONFLICTING UTILITIES.
- REMOVE AS REQUIRED FOR CONSTRUCTION.
- CUSTOMER SHALL REMOVE AND PROPERLY DISPOSE OF THOSE PARTS OF SRP IRRIGATION SYSTEM MADE OBSOLETE WHEN NEW SRP IRRIGATION SYSTEM IS COMPLETE AND OPERATIONAL. BACKFILL HOLES AND DEPRESSIONS TO BRING TO DESIGN GRADE.
- STANDARD SRP IRRIGATION MARKER BALLS, (STOCK CODE NO. 501771), SHALL BE INSTALLED BY THE CUSTOMER'S CONTRACTOR, AS DIRECTED BY SRP, BETWEEN STATION 0+00.0 AND STATION 6+00.0 AND AT OTHER PIPE LOCATIONS AS INDICATED. PLACE BALLS AT EVERY ANGLE POINT, AT 100' INTERVALS ALONG STRAIGHT RUNS, 50' INTERVALS ON CURVED RUNS, AT BURIED END POINTS, AND 3' BELOW THE SURFACE OR ON TOP OF THE PIPE/COLLAR (EMBED IN WET CONCRETE), WHICHEVER IS SHALLOWER. CONTACT SRP WATER INSPECTOR TO RECEIVE THE SRP IRRIGATION MARKER BALLS.
- IRRIGATION CONTRACTOR TO IMPORT, COMPACT BACKFILL MATERIAL FOR PREPARATION PIPE INSTALLATION AND NEW EASEMENT. RESTORATION OF EXISTING RETENTION SHALL BE THE RESPONSIBILITY OF MCDOT.
- SEE SHEET PH0082 FOR UTILITY POTHOLE INFORMATION.

**DWG. NOT APPROVED.
DO NOT CONSTRUCT
W/ THIS DOCUMENT.**

ELEVATION EQUATION:
ELEVATION THIS DWG.
MINUS 0.09' EQUALS
ELEVATION OF MCDOT
PROJECT NO. TT345
MC 85 BUCKEYE ROAD



BENCHMARK:
NE COR PLTO STR 2-23-84.3
LOCATED AT 50' SOUTH AND
665' WEST OF THE NORTHEAST
CORNER OF SECTION 18, TIN, RIE.
ELEVATION 996.48'

REDRAWN FROM A-102-0845, SRP SURVEY W13-53393-01 & DESIGN PLANS FROM MCDOT FOR MC 85 EXPANSION. DESIGN FROM STA 0+00.0 TO STA 6+00.0

REV	NO.	DATE	BY	CHKD	DATE	BY	CHKD	DATE	BY	CHKD
0	RD-12940	BAJ	REJ	REJ	RMP	RMP				
12/19/17										

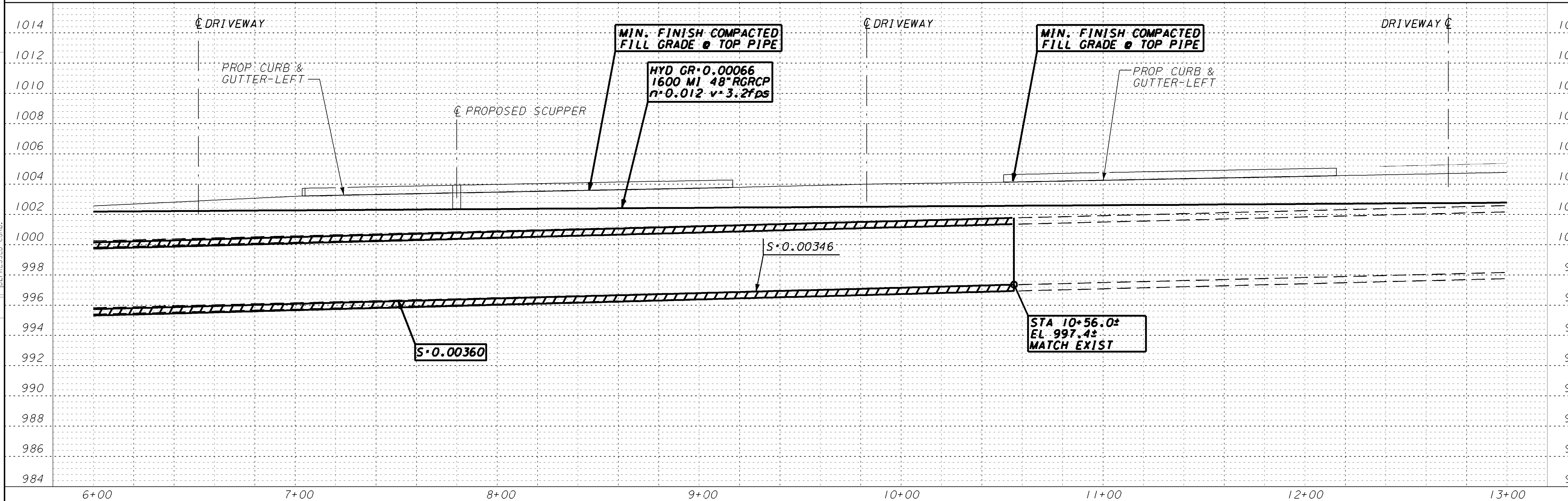
SALT RIVER PROJECT
WATER ENGINEERING PHOENIX, ARIZONA

**GRAND CANAL
LATERAL 22.0
SEC 9 TIN RIE
SE COR TO 600' N**

SCALE: PLAN	1"=30'	PROFILE	1"=4'	A1020082.DGN	SHEET NO.
SUBJ CODE	DIST CODE	DWG SIZE			
PP	Y2	22X34	A-102-0082	12	

REV	JOB/LOG NO	DATE	DTR	CHKR	ENGR	SUPV	ISSU
					CHK	APPD	AUTH
7	-	04-03-06	JWS	CWT	-	-	REL
FORM NO							
ADDED HEX NOTE 9 & CIRCLE NOTES FOR BRIDGE RECOVERY AND STEP PAD INSTALLATION.							
8	-	04-10-07	JWS	CWT	-	-	REL
ADDED CIRCLE NOTE FOR INDUSTRIAL DRIVEWAY WITH DEBRIS PILE							

WDF-PPSNG



- ① THE GENERAL NOTES ON THE COVER SHEET INCLUDE ADDITIONAL REQUIREMENTS RELATING TO THIS WORK.
- ② UTILITY CROSSING/PARALLEL - SEE THE GENERAL NOTES CONCERNING BLUE STAKING EXISTING UTILITIES, MINIMUM CLEARANCES FROM SRP IRRIGATION FACILITIES, AND RELOCATING CONFLICTING UTILITIES.
- ③ REMOVE AS REQUIRED FOR CONSTRUCTION.
- ⑦ CUSTOMER SHALL REMOVE AND PROPERLY DISPOSE OF THOSE PARTS OF SRP IRRIGATION SYSTEM MADE OBSOLETE WHEN NEW SRP IRRIGATION SYSTEM IS COMPLETE AND OPERATIONAL. BACKFILL HOLES AND DEPRESSIONS TO BRING TO DESIGN GRADE.
- ⑧ STANDARD SRP IRRIGATION MARKER BALLS, (STOCK CODE NO. 5011771), SHALL BE INSTALLED BY THE CUSTOMER'S CONTRACTOR, AS DIRECTED BY SRP, BETWEEN STATION 6+00.0 AND STATION 10+56.0 AND AT OTHER PIPE LOCATIONS AS INDICATED. PLACE BALLS AT EVERY ANGLE POINT, AT 100' INTERVALS ALONG STRAIGHT RUNS, 50' INTERVALS ON CURVED RUNS, AT BURIED END POINTS, AND 3' BELOW THE SURFACE OR ON TOP OF THE PIPE/COLLAR (EMBED IN WET CONCRETE), WHICHEVER IS SHALLOWER. CONSULT SRP WATER INSPECTOR TO RECEIVE THE SRP IRRIGATION MARKER BALLS.
- ① IRRIGATION CONTRACTOR TO IMPORT, COMPACT BACKFILL MATERIAL FOR PREPARATION PIPE INSTALLATION AND NEW EASEMENT. RESTORATION OF EXISTING RETENTION SHALL BE THE RESPONSIBILITY OF MCDOT.
- ② SEE SHEET PH0084 FOR UTILITY POTHOLE INFORMATION.

**DWG. NOT APPROVED.
DO NOT CONSTRUCT
W/ THIS DOCUMENT.**

LOCATION PLAN

The map shows a grid of streets. The horizontal streets are labeled 'VAN BUREN ST' at the top and 'BUCKEYE RD' at the bottom. The vertical streets are labeled '99TH AVE' on the left and '91ST AVE' on the right. The map is bounded by '1E' and '2E' on the top and '4N' and '5N' on the left. A black rectangle is located at the intersection of Van Buren St and Buckeye Rd, between 99th Ave and 91st Ave.

NE COR PLTO STR 2-23-84.3
LOCATED AT 50' SOUTH AND
665' WEST OF THE NORTHEAST
CORNER OF SECTION 18, T1N, R1E.
ELEVATION 996.48'

						/ /
REDRAWN FROM A-102-0845, SRP SURVEY W13-53393-01 & DESIGN PLANS FROM MCDOT FOR MC 85 EXPANSION. DESIGN FROM STA 6+00.0 TO STA 10+56.0±						
0	RD-12940	BAJ	REJ	RMP	RMP	12/19/17
		BAJ	REJ	RMP	RMP	
REV NO.	JOB NO.	DFTR	DSGN	ENGR CHK	ISSUE AUTH	DATE



SALT RIVER PROJECT
WATER ENGINEERING  PHOENIX, ARIZONA

GRAND CANAL
LATERAL 22.0
SEC 9 T1N R1E
600' N/O SE COR
TO 16/7 COR

SCALE: PLAN 1"=30', PROFILE 1"=4'			A1020084.DGN		SHEET NO.	
OBJ CODE	DIST CODE	DWG SIZE	A-102-0084			13
PP	Y2	22X34				

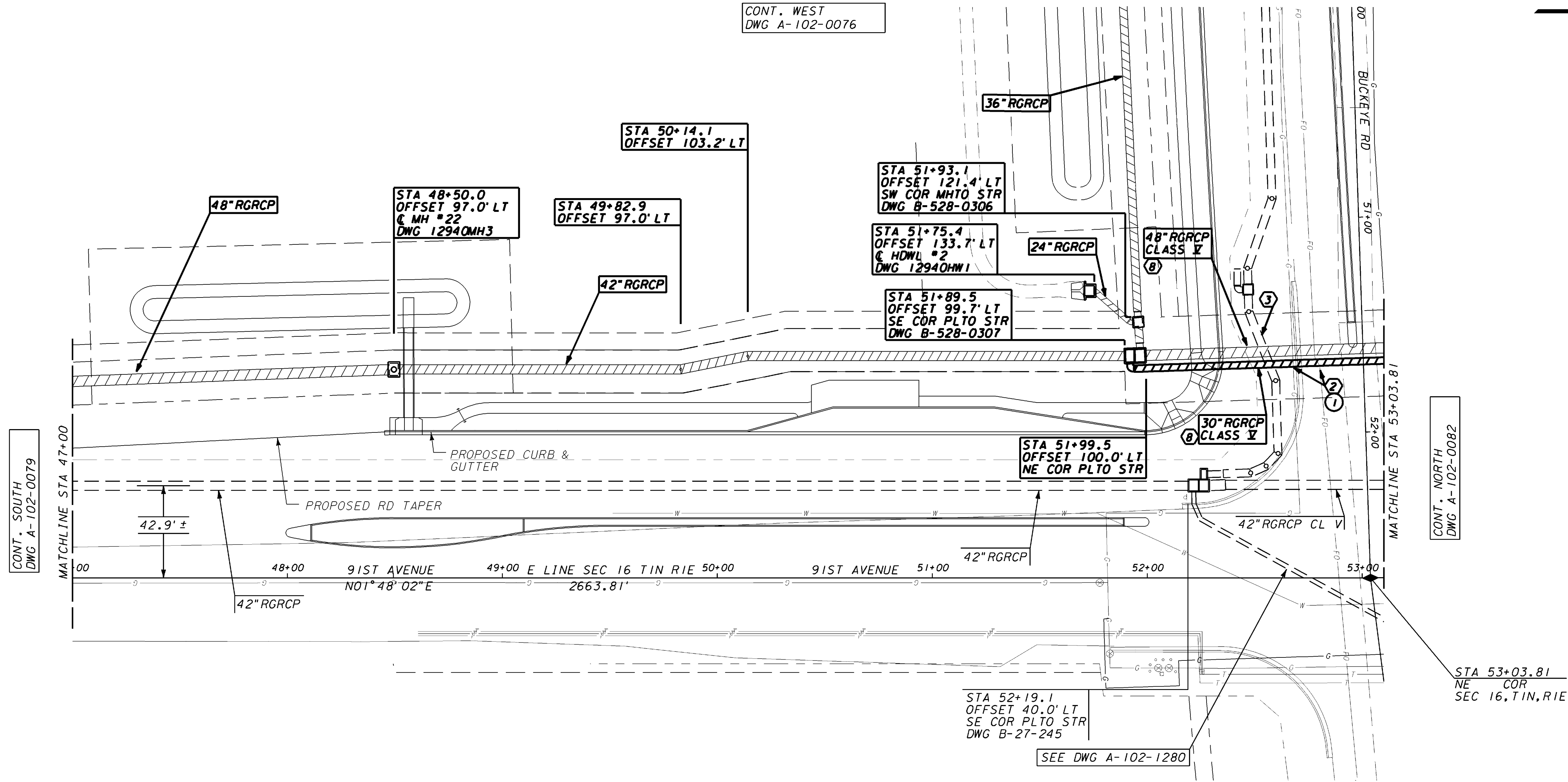
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REF # 2: M3BM.DGN
REF # 3:
REF # 4:

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7		04.03.06	JWS	CWT	-	-	REL
8		04.10.07	JWS	CWT	-	-	REL
FORM NO. 100-PPSNG							

WDF-PPSNG

PPSNG, WDF

CONT. WEST
DWG A-102-0076

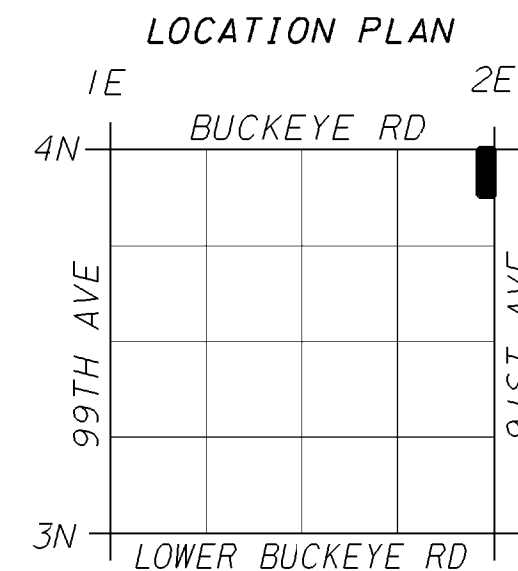


CONSTRUCTION NOTES

- THE GENERAL NOTES ON THE COVER SHEET INCLUDE ADDITIONAL REQUIREMENTS RELATING TO THIS WORK.
- UTILITY CROSSING/PARALLEL - SEE THE GENERAL NOTES CONCERNING BLUE STAKING EXISTING UTILITIES, MINIMUM CLEARANCES FROM SRP IRRIGATION FACILITIES, AND RELOCATING CONFLICTING UTILITIES.
- REMOVE AS REQUIRED FOR CONSTRUCTION.
- STANDARD SRP IRRIGATION MARKER BALLS, (STOCK CODE NO. 5011771), SHALL BE INSTALLED BY THE CUSTOMER'S CONTRACTOR, AS DIRECTED BY SRP, BETWEEN STATION 51+93.5 AND STATION 53+03.8 AND AT OTHER PIPE LOCATIONS AS INDICATED. PLACE BALLS AT EVERY ANGLE POINT, AT 100' INTERVALS ALONG STRAIGHT RUNS, 50' INTERVALS ON CURVED RUNS, AT BURIED END POINTS, AND 3' BELOW THE SURFACE OR ON TOP OF THE PIPE/COLLAR (EMBED IN WET CONCRETE), WHICHEVER IS SHALLOWER. CONTACT SRP WATER INSPECTOR TO RECEIVE THE SRP IRRIGATION MARKER BALLS.
- SEE SHEET PH0081 FOR UTILITY POTHOLE INFORMATION.

**DWG. NOT APPROVED.
DO NOT CONSTRUCT
W/ THIS DOCUMENT.**

ELEVATION EQUATION:
ELEVATION THIS DWG.
MINUS 0.09' EQUALS
ELEVATION OF MCDOT
PROJECT NO. TT345
MC 85 BUCKEYE ROAD



BENCHMARK:

NE COR PLTO STR 2-23-84.3
LOCATED AT 50' SOUTH AND
665' WEST OF THE NORTHEAST
CORNER OF SECTION 18, T1N, R1E.
ELEVATION 996.48'

REDRAWN FROM A-102-1281, SRP SURVEY W13-53393-01 &
DESIGN PLANS FROM MCDOT FOR MC 85 EXPANSION.
DESIGN FROM STA 51+92.0 TO STA 53+03.8

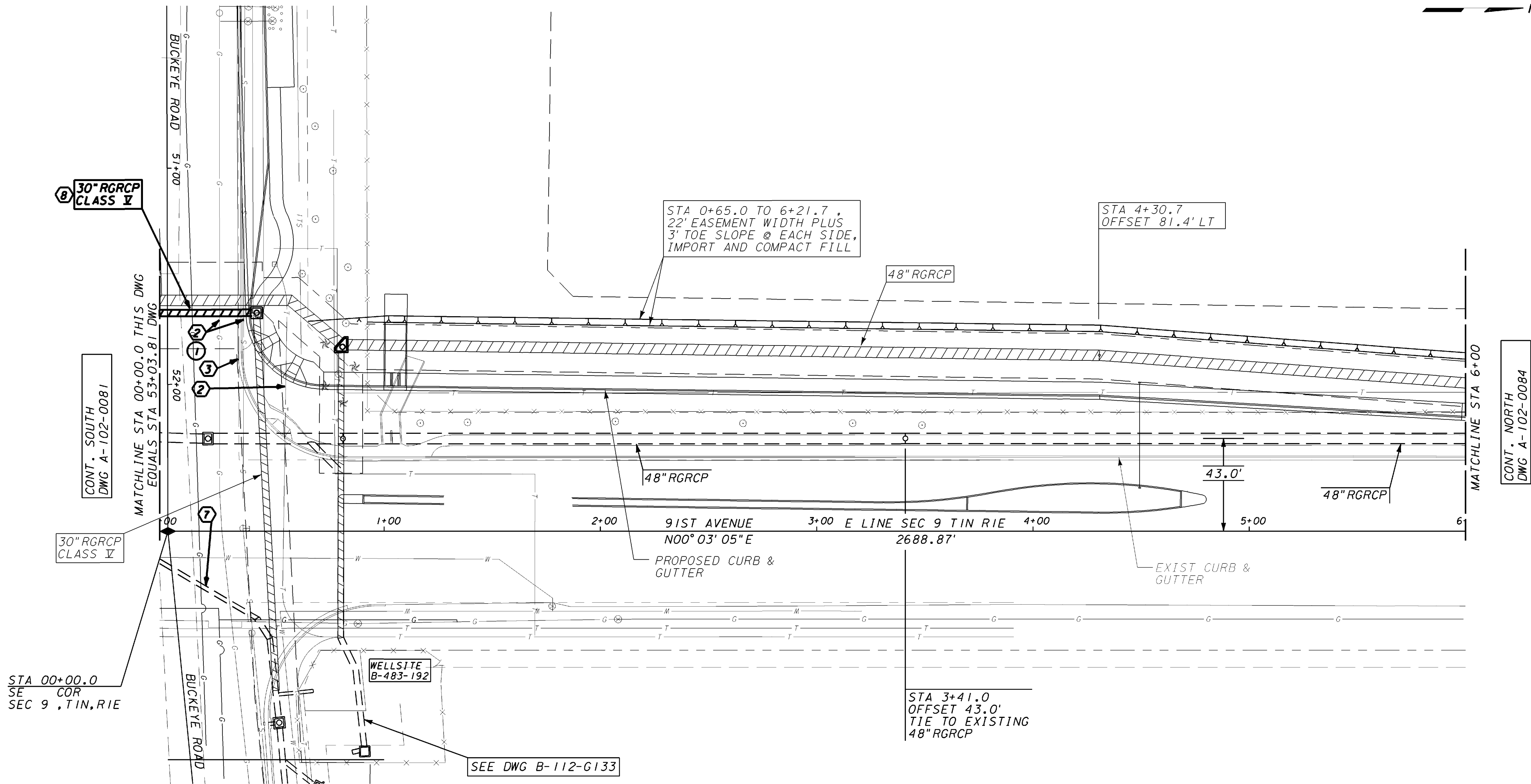
REV NO.	JOB NO.	DATE	BY	CHKD	ENGR	SUPV	ISSUE
0	RD-12940	BAJ	REJ	RMP	RMP	RMP	12/19/17

SRP SALT RIVER PROJECT
WATER ENGINEERING PHOENIX, ARIZONA

**GRAND CANAL
LATERAL 22.0
SEC 16 T1N R1E
100' S/O NE COR
TO NE COR**

SCALE: PLAN 1"=30', PROFILE 1"=4'	A1020081.DGN	SHEET NO.
SUBJ CODE DIST CODE DWG SIZE	PP Y2 22X34	A-102-0081 14

REFERENCE FILES USED:
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REF # 2: M3BM.DGN
REF # 3: M3BM.DGN
REF # 4: M3BM.DGN



CONSTRUCTION NOTES

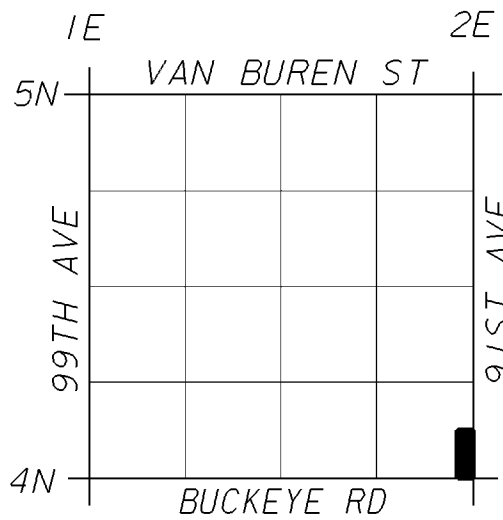
- THE GENERAL NOTES ON THE COVER SHEET INCLUDE ADDITIONAL REQUIREMENTS RELATING TO THIS WORK.
- UTILITY CROSSING/PARALLEL - SEE THE GENERAL NOTES CONCERNING BLUE STAKING EXISTING UTILITIES, MINIMUM CLEARANCES FROM SRP IRRIGATION FACILITIES, AND RELOCATING CONFLICTING UTILITIES.
- REMOVE AS REQUIRED FOR CONSTRUCTION.
- CUSTOMER SHALL REMOVE AND PROPERLY DISPOSE OF THOSE PARTS OF SRP IRRIGATION SYSTEM MADE OBSOLETE WHEN NEW SRP IRRIGATION SYSTEM IS COMPLETE AND OPERATIONAL. BACKFILL HOLES AND DEPRESSIONS TO BRING TO DESIGN GRADE.
- STANDARD SRP IRRIGATION MARKER BALLS, (STOCK CODE No. 5011771), SHALL BE INSTALLED BY THE CUSTOMER'S CONTRACTOR, AS DIRECTED BY SRP, BETWEEN STATION 0+00.0 AND STATION 53+39.8 AND AT OTHER PIPE LOCATIONS AS INDICATED. PLACE BALLS AT EVERY ANGLE POINT, AT 100' INTERVALS ALONG STRAIGHT RUNS, 50' INTERVALS ON CURVED RUNS, AT BURIED END POINTS, AND 3' BELOW THE SURFACE OR ON TOP OF THE PIPE/COLLAR (EMBED IN WET CONCRETE), WHICHEVER IS SHALLOWER. CONTACT SRP WATER INSPECTOR TO RECEIVE THE SRP IRRIGATION MARKER BALLS.
- SEE SHEET PH0083 FOR UTILITY POTHOLE INFORMATION.

**DWG. NOT APPROVED.
DO NOT CONSTRUCT
W/ THIS DOCUMENT.**

ELEVATION EQUATION:

ELEVATION THIS DWG.
MINUS 0.09' EQUALS
ELEVATION OF MCDOT
PROJECT NO. TT345
MC 85 BUCKEYE ROAD

LOCATION PLAN



BENCHMARK:

NE COR PLTO STR 2-23-84.3
LOCATED AT 50' SOUTH AND
665' WEST OF THE NORTHEAST
CORNER OF SECTION 18, TIN, RIE.
ELEVATION 996.48'

REDRAWN FROM A-102-0845, SRP SURVEY W13-53393-01 &
DESIGN PLANS FROM MCDOT FOR MC 85 EXPANSION.
DESIGN FROM STA 0+00 TO STA 53+41.8

REV NO.	JOB NO.	DFT	DSGN	ENGR	ISSUE	DATE
0	RD-12940	BAJ	REJ	RMP	RMP	12/19/17
1		BAJ	REJ	RMP	RMP	

SRP SALT RIVER PROJECT
WATER ENGINEERING PHOENIX, ARIZONA

**GRAND CANAL
LATERAL 22.0
SEC 9 TIN RIE
SE COR TO 50' N**

SCALE: PLAN	1"=30'	PROFILE	1"=4'	A1020083.DGN	SHEET NO.
SUBJ CODE	DIST CODE	DWG SIZE			
PP	Y2	22X34		A-102-0083	15

REFERENCE FILES USED:
REF # 1: M3BM.DGN
REF # 2: M3BM.DGN
REF # 3: M3BM.DGN
REF # 4: M3BM.DGN

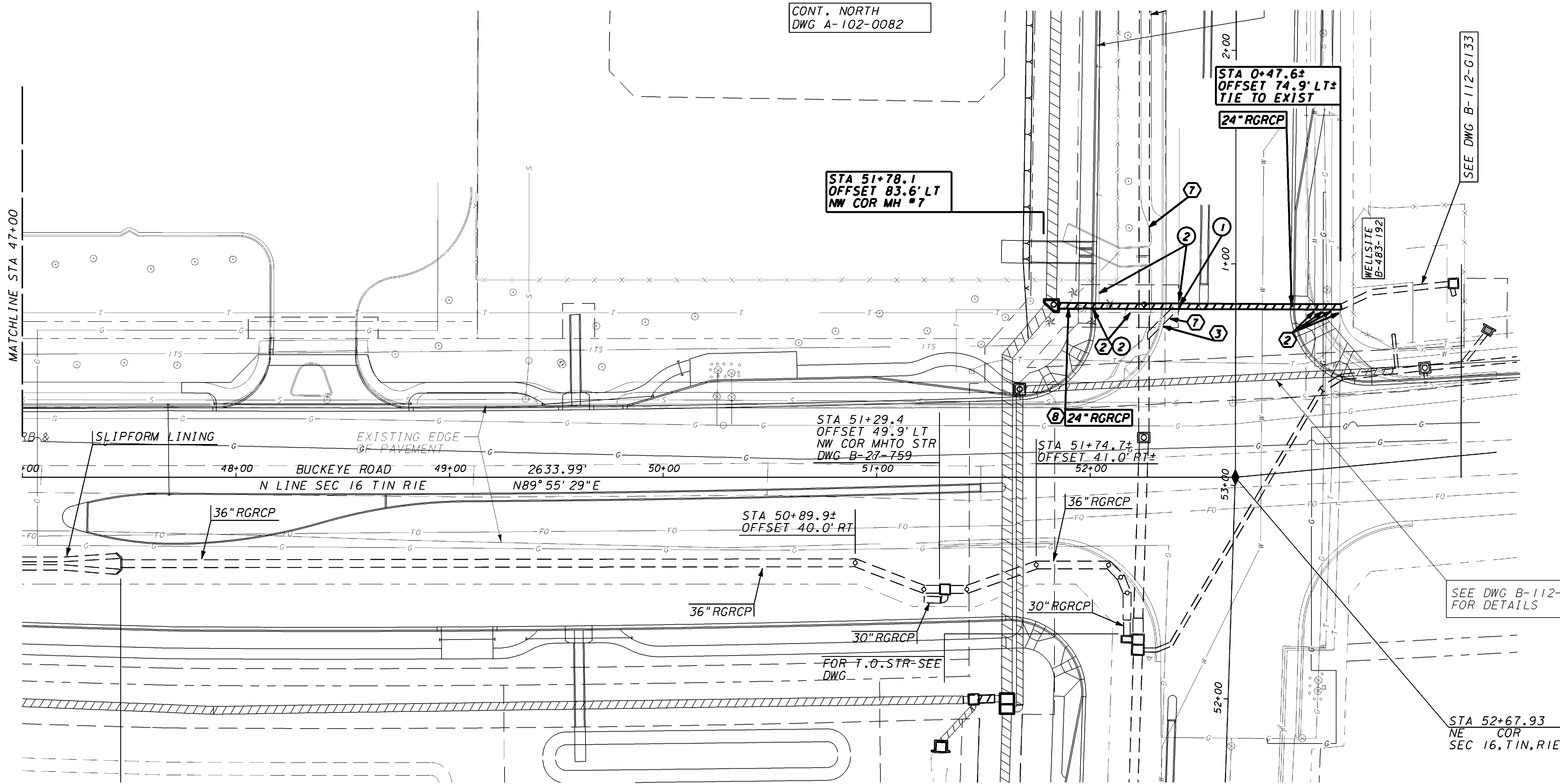
PPSNG, WDF

REV	DATE	BY	CHKD	ENGR	ISSUE
1	04.03.06	JWS	CWT	-	REL
2	04.03.06	JWS	CWT	-	REL
3	04.03.06	JWS	CWT	-	REL
4	04.03.06	JWS	CWT	-	REL
5	04.03.06	JWS	CWT	-	REL
6	04.03.06	JWS	CWT	-	REL
7	04.03.06	JWS	CWT	-	REL
8	04.03.06	JWS	CWT	-	REL
9	04.03.06	JWS	CWT	-	REL
10	04.03.06	JWS	CWT	-	REL

WDF-PPSNG

CONT. NORTH
DWG A-102-0082

CONT. WEST
DWG A-102-0074



CONSTRUCTION NOTES

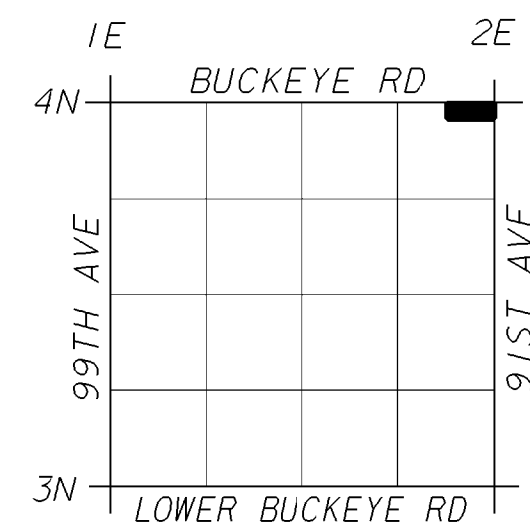
- THE GENERAL NOTES ON THE COVER SHEET INCLUDE ADDITIONAL REQUIREMENTS RELATING TO THIS WORK.
- UTILITY CROSSING/PARALLEL - SEE THE GENERAL NOTES CONCERNING BLUE STAKING EXISTING UTILITIES, MINIMUM CLEARANCES FROM SRP IRRIGATION FACILITIES, AND RELOCATING CONFLICTING UTILITIES.
- REMOVE AS REQUIRED FOR CONSTRUCTION.
- CUSTOMER SHALL REMOVE AND PROPERLY DISPOSE OF THOSE PARTS OF SRP IRRIGATION SYSTEM MADE OBSOLETE WHEN NEW SRP IRRIGATION SYSTEM IS COMPLETE AND OPERATIONAL. BACKFILL HOLES AND DEPRESSIONS TO BRING TO DESIGN GRADE.
- STANDARD SRP IRRIGATION MARKER BALLS, (STOCK CODE NO. 5011771), SHALL BE INSTALLED BY THE CUSTOMER'S CONTRACTOR, AS DIRECTED BY SRP, BETWEEN STATION 51+84.4 AND STATION 52+41.4 AND AT OTHER PIPE LOCATIONS AS INDICATED. PLACE BALLS AT EVERY ANGLE POINT, AT 100' INTERVALS ALONG STRAIGHT RUNS, 50' INTERVALS ON CURVED RUNS, AT BURIED END POINTS, AND 3' BELOW THE SURFACE OR ON TOP OF THE PIPE/COLLAR (EMBED IN WET CONCRETE), WHICHEVER IS SHALLOWER. CONTACT SRP WATER INSPECTOR TO RECEIVE THE SRP IRRIGATION MARKER BALLS.
- STRUCTURAL CONCRETE PIPE COLLARS SHALL CONFORM TO SRP STANDARD DRAWING WES-SPIECLR.
- SEE SHEET PH0076 FOR UTILITY POTHOLE INFORMATION.

**DWG. NOT APPROVED.
DO NOT CONSTRUCT
W/ THIS DOCUMENT.**

ELEVATION EQUATION:

ELEVATION THIS DWG.
MINUS 0.09' EQUALS
ELEVATION OF MCDOT
PROJECT NO. TT345
MC 85 BUCKEYE ROAD

LOCATION PLAN



BENCHMARK:

NE COR PLTO STR 2-23-84.3
LOCATED AT 50' SOUTH AND
665' WEST OF THE NORTHEAST
CORNER OF SECTION 18, TIN, RIE.
ELEVATION 996.48'

REDRAWN FROM A-102-1280, SRP SURVEY W13-53393-01 &
DESIGN PLANS FROM MCDOT FOR MC 85 EXPANSION.
DESIGN FROM STA 51+81.8 TO STA 52+41.4

REV	JOB NO.	DATE	BY	CHKD	ENGR	ISSUE	DATE
0	RD-12940	BAJ	REJ	RMP	RMP	12/19/17	
1	RD-12940	BAJ	REJ	RMP	RMP		

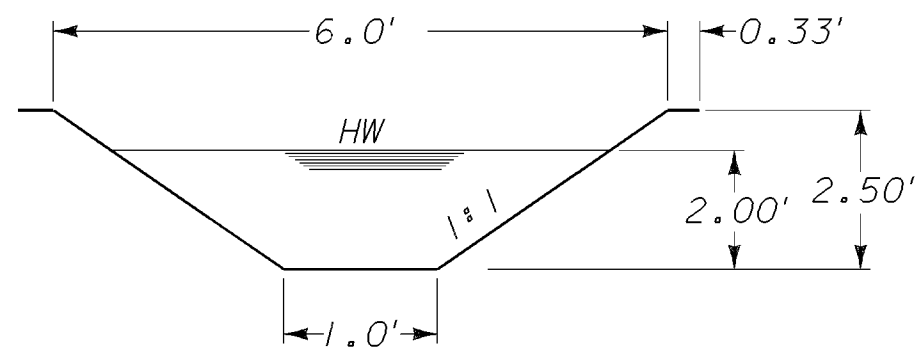
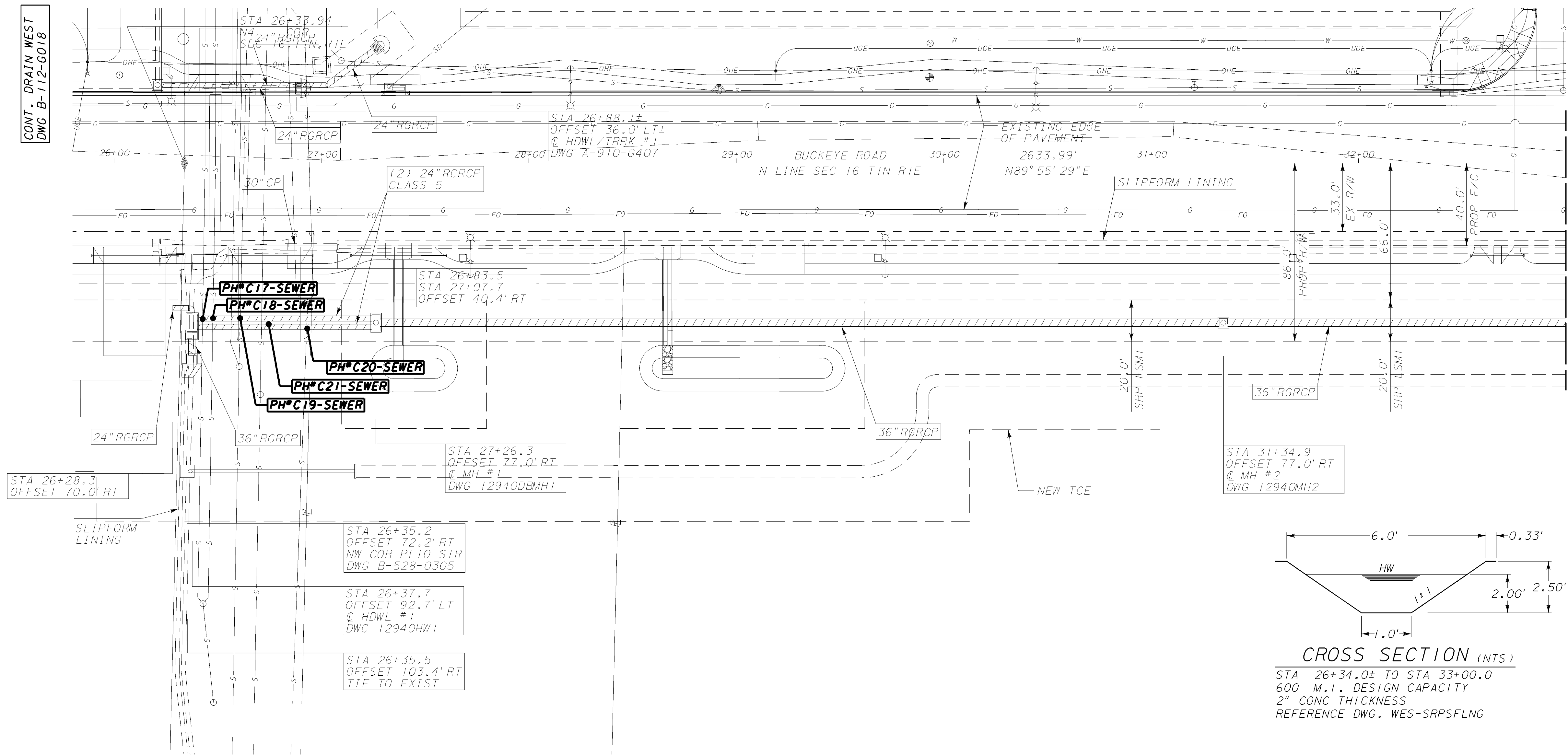
SALT RIVER PROJECT
WATER ENGINEERING PHOENIX, ARIZONA

**GRAND CANAL
LATERAL 22.0
SEC 9 & 10 TIN RIE
SE COR SEC 9 TO
SW COR SEC 10**

SCALE:	PLAN 1"=30'	PROFILE 1"=4'	A1020076.DGN	SHEET NO.
SUBJ CODE	DIST CODE	DWG SIZE	A-102-0076	16
PP	Y2	22X34		

REFERENCE FILES USED:
REF #1: M3BM.DGN
REF #2: M3BM.DGN
REF #3:
REF #4:

CONT. DRAIN WEST
DWG B-112-G018



CROSS SECTION (NTS)
STA 26+34.0± TO STA 33+00.0
600 M.I. DESIGN CAPACITY
2" CONC THICKNESS
REFERENCE DWG. WES-SRPSFLNG

POTHOLING NOTES

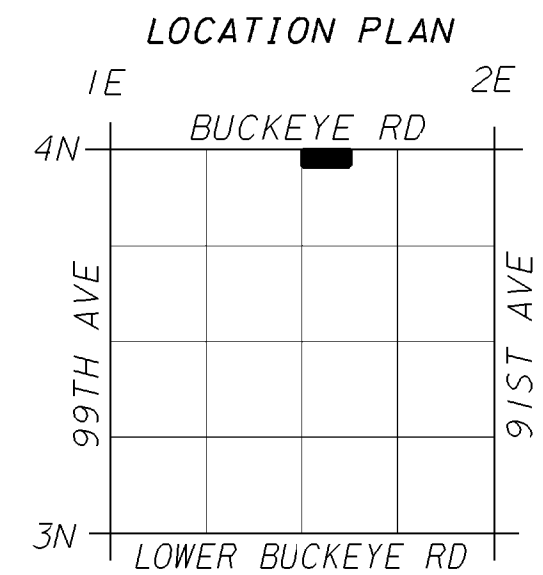
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SRP INSPECTION WILL REQUIRE VERIFICATION OF THIS WORK AT THE PROJECT PRE-CONSTRUCTION MEETING.

**DWG. NOT APPROVED.
DO NOT CONSTRUCT
W/ THIS DOCUMENT.**

ELEVATION EQUATION:
ELEVATION THIS DWG.
MINUS 0.09' EQUALS
ELEVATION OF MCDOT
PROJECT NO. TT345
MC 85 BUCKEYE ROAD



BENCHMARK:

NE COR PLTO STR 2-23-84.3
LOCATED AT 50' SOUTH AND
665' WEST OF THE NORTHEAST
CORNER OF SECTION 18, T1N, R1E.
ELEVATION 996.48'

REDRAWN FROM A-102-1277, SRP SURVEY W13-53393-01 &
DESIGN PLANS FROM MCDOT FOR MC 85 EXPANSION.
POTHOLE INFORMATION PROVIDED BY MCDOT.

REV NO.	JOB NO.	DFT	DSGN	ENGR	ISSUE	DATE
0	RD-12940	BAJ	REJ	RMP	RMP	12/19/17

SRP SALT RIVER PROJECT
WATER ENGINEERING PHOENIX, ARIZONA

**GRAND CANAL
LATERAL 22.0
SEC 16 T1N R1E
N4 COR TO 660' E
POTHOLE LOCATIONS**

SCALE: PLAN 1"=30', PROFILE 1"=4'	PH0072 .DGN	SHEET NO.
SUBJ CODE DIST CODE DWG SIZE	PP Y2 22X34	62

REFERENCE FILES USED:
REF #1: M3BM.DGN
REF #2: M3BM.DGN
REF #3:
REF #4:

REV	NO	DATE	BY	CHKD	APPD	ISSUE
7		04.03.06	JWS	CWT		REL
ADD. REV. NOTES & CIRCLE NOTES FOR BRIDGE RECOVERY						
8		04.10.07	JWS	CWT		REL
ADD. REV. NOTES & CIRCLE NOTES FOR INDUSTRIAL DRIVEWAY WITH DEPRESSED CURB						
FORM NO.						

WDF-PPSNG

PPSNG, WDF

CONT. NORTH
DWG A-102-0080

CONT. WEST
DWG A-102-0074



CONT. EAST
DWG B-112-G196

POTHOLING NOTES

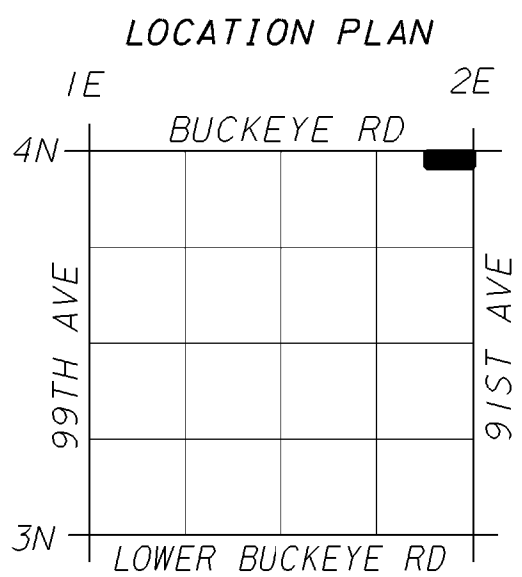
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**DWG. NOT APPROVED.
DO NOT CONSTRUCT
W/ THIS DOCUMENT.**

ELEVATION EQUATION:
ELEVATION THIS DWG.
MINUS 0.09' EQUALS
ELEVATION OF MCDOT
PROJECT NO. TT345
MC 85 BUCKEYE ROAD



BENCHMARK:

NE COR PLTO STR 2-23-84.3
LOCATED AT 50' SOUTH AND
665' WEST OF THE NORTHEAST
CORNER OF SECTION 18, T1N, R1E.
ELEVATION 996.48'

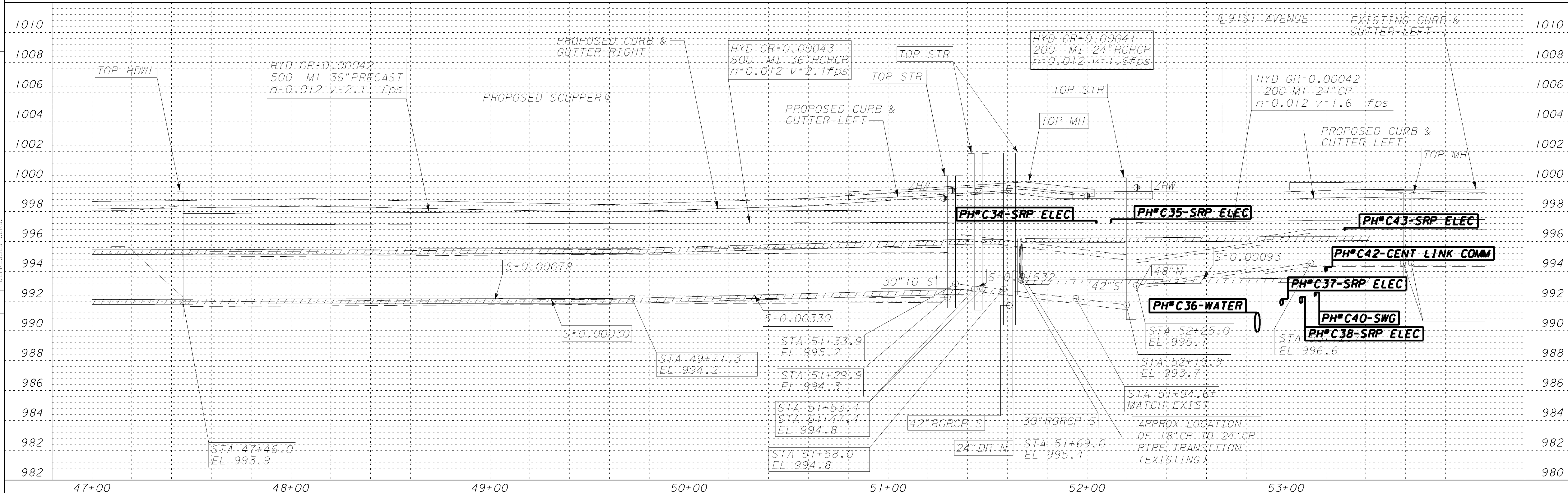
REDRAWN FROM A-102-1280, SRP SURVEY W13-53393-01 &
DESIGN PLANS FROM MCDOT FOR MC 85 EXPANSION.
POTHOLE INFORMATION PROVIDED BY MCDOT.

REV NO.	JOB NO.	DFTR	DSGN	ENGR CHK	ISSUE AUTH	DATE
0	RD-12940	BAJ	REJ	RMP	RMP	/ /

SALT RIVER PROJECT
WATER ENGINEERING PHOENIX, ARIZONA

**GRAND CANAL
LATERAL 22.0
SEC 16 TIN RIE
450' W/O NE COR
TO NE COR
POTHOLE LOCATIONS**

SCALE: PLAN 1"=30', PROFILE 1"=4'	PH0075 .DGN	SHEET NO.
SUBJ CODE DIST CODE DWG SIZE	PP Y2 22X34	PH0075 63



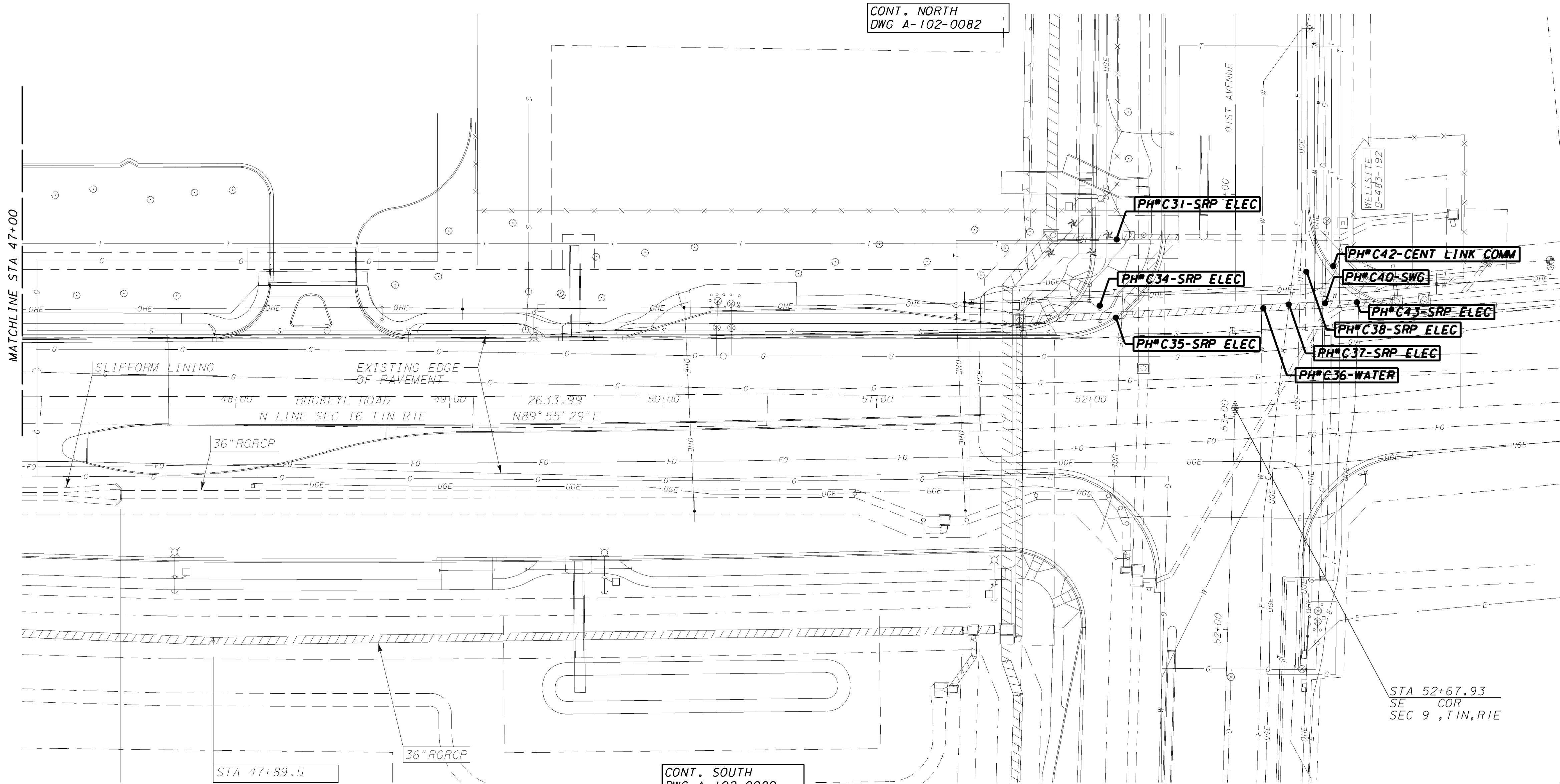
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REF # 3: M3BM.DGN
REF # 4: M3BM.DGN

REV	NO.	DATE	BY	CHKD	ENGR	ISSUE
1	04.03.06	JWS	CWT	-	-	REL
2	04.03.06	JWS	CWT	-	-	REL
3	04.03.06	JWS	CWT	-	-	REL
4	04.03.06	JWS	CWT	-	-	REL
5	04.03.06	JWS	CWT	-	-	REL
6	04.03.06	JWS	CWT	-	-	REL
7	04.03.06	JWS	CWT	-	-	REL
8	04.03.06	JWS	CWT	-	-	REL
9	04.03.06	JWS	CWT	-	-	REL
10	04.03.06	JWS	CWT	-	-	REL

WDF-PPSNG

PPSNG, WDF

CONT. WEST
DWG A-102-0074



CONT. NORTH
DWG A-102-0082

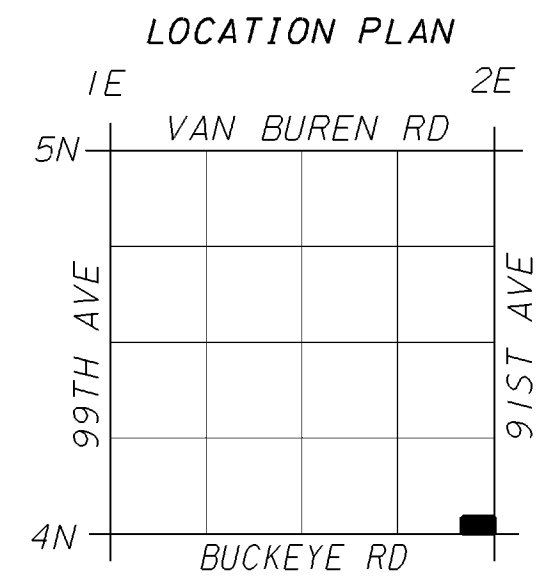
CONT. SOUTH
DWG A-102-0080

POTHOLING NOTES

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**DWG. NOT APPROVED.
DO NOT CONSTRUCT
W/ THIS DOCUMENT.**

ELEVATION EQUATION:
ELEVATION THIS DWG.
MINUS 0.09' EQUALS
ELEVATION OF MCDOT
PROJECT NO. TT345
MC 85 BUCKEYE ROAD



BENCHMARK:

NE COR PLT0 STR 2-23-84.3
LOCATED AT 50' SOUTH AND
665' WEST OF THE NORTHEAST
CORNER OF SECTION 18, T1N, R1E.
ELEVATION 996.48'

REDRAWN FROM A-102-1280, SRP SURVEY W13-53393-01 &
DESIGN PLANS FROM MCDOT FOR MC 85 EXPANSION.
POT HOLE INFORMATION PROVIDED BY MCDOT.

REV	NO.	JOB NO.	DATE	BY	CHKD	ENGR	ISSUE
0	RD-12940	BAJ	REJ	RMP	RMP	12/19/17	
1	RD-12940	BAJ	REJ	RMP	RMP		
2	RD-12940	BAJ	REJ	RMP	RMP		
3	RD-12940	BAJ	REJ	RMP	RMP		
4	RD-12940	BAJ	REJ	RMP	RMP		
5	RD-12940	BAJ	REJ	RMP	RMP		
6	RD-12940	BAJ	REJ	RMP	RMP		
7	RD-12940	BAJ	REJ	RMP	RMP		
8	RD-12940	BAJ	REJ	RMP	RMP		
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SALT RIVER PROJECT
WATER ENGINEERING PHOENIX, ARIZONA

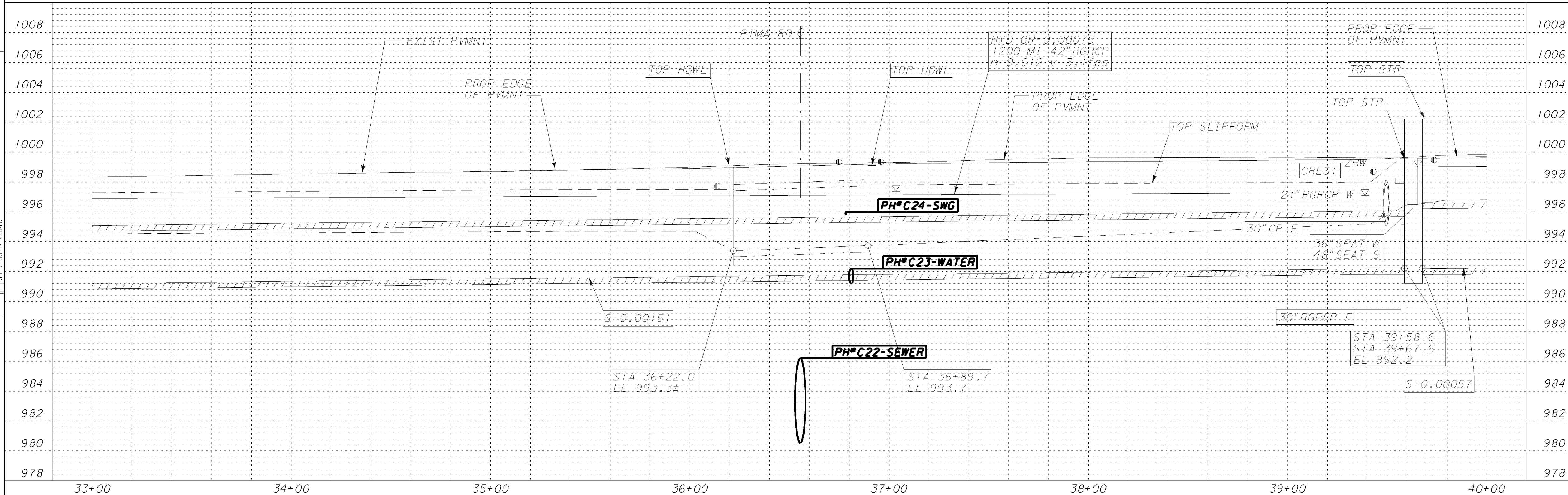
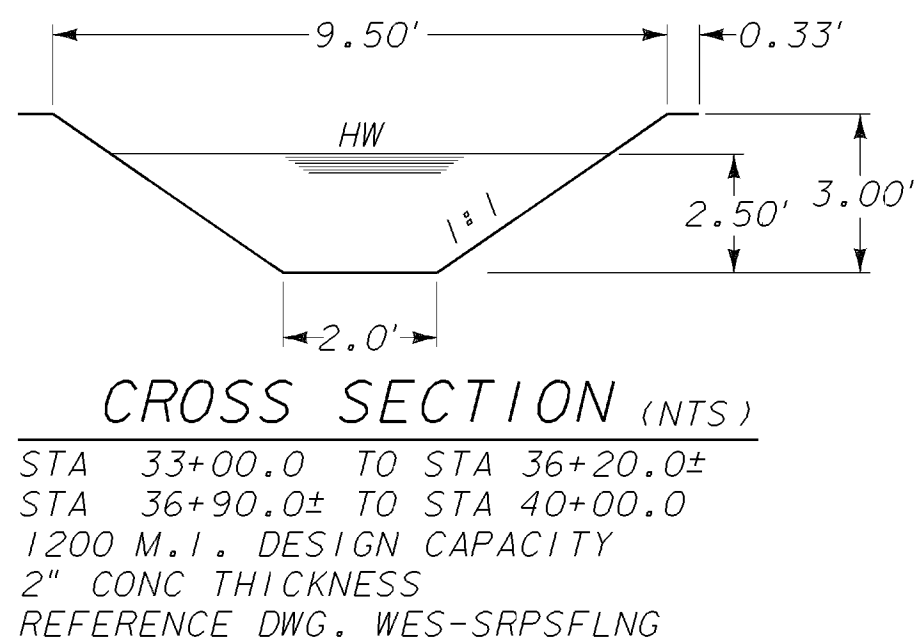
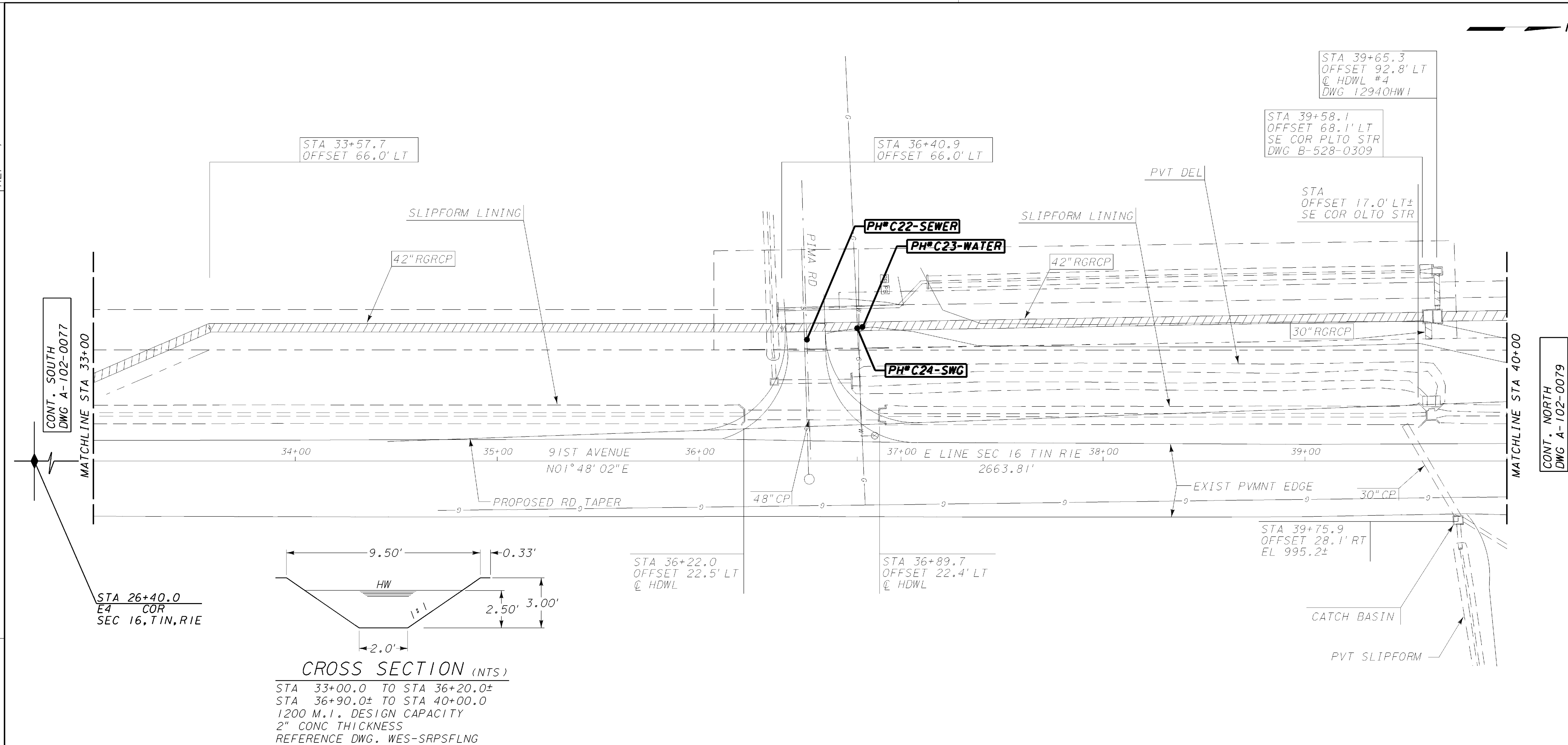
**GRAND CANAL
LATERAL 22.0
SEC 9 TIN RIE
SE COR SEC 9
POT HOLE LOCATIONS**

SCALE:	PLAN 1"=30', PROFILE 1"=4'	PH0076 .DGN	SHEET NO.
SUBJ CODE	DIST CODE	DWG SIZE	
PP	Y2	22X34	PH0076 64

REFERENCE FILES USED:
REF #1: M3BM.DGN
REF #2: M3BM.DGN
REF #3:
REF #4:

REV	JOB/LOG NO	DATE	DFTR	CHKR	ENGR	SUPV	ISSUE
7		04.03.06	JWS	CWT	-	-	REL
ADDED REF NOTES & CIRCLE NOTES FOR BRIDGE RECOVERY							
8		04.10.07	JWS	CWT	-	-	REL
SUB STEP PAD INSTALLATION							
ADDED REFERENCE TO THE FIELD FOR INDUSTRIAL DRIVEWAY WITH DEPRESSED CURB							
FORM NO							
WDF-PPSNG							

PPSNG, WDF



POTHOLING NOTES

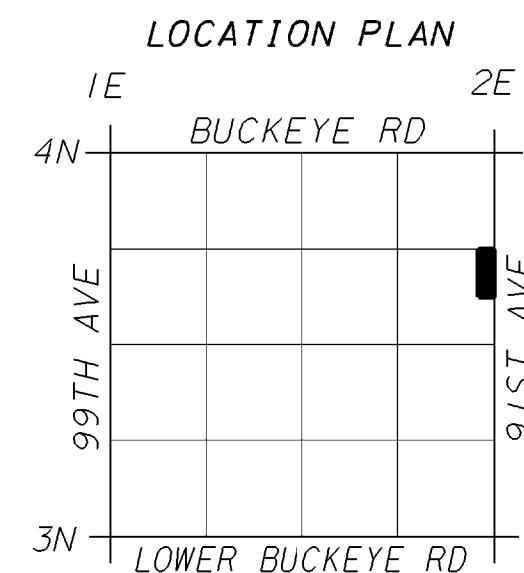
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**DWG. NOT APPROVED.
DO NOT CONSTRUCT
W/ THIS DOCUMENT.**

ELEVATION EQUATION:
ELEVATION THIS DWG.
MINUS 0.09' EQUALS
ELEVATION OF MCDOT
PROJECT NO. TT345
MC 85 BUCKEYE ROAD



BENCHMARK:

NE COR PLTO STR 2-23-84.3
LOCATED AT 50' SOUTH AND
665' WEST OF THE NORTHEAST
CORNER OF SECTION 18, T1N, R1E.
ELEVATION 996.48'

REDRAWN FROM A-102-1300, SRP SURVEY W13-53393-01 &
DESIGN PLANS FROM MCDOT FOR MC 85 EXPANSION.
POTHOLE INFORMATION PROVIDED BY MCDOT.

REV NO.	JOB NO.	DFTR	DSGN	ENGR	ISSUE	DATE
0	RD-12940	BAJ	REJ	RMP	RMP	12/19/17
		BAJ	REJ	RMP	RMP	

SALT RIVER PROJECT
WATER ENGINEERING PHOENIX, ARIZONA

**GRAND CANAL
LATERAL 22.0
SEC 16 TIN R1E
650' N/O E4 COR
TO 16/8 COR
POTHOLE LOCATIONS**

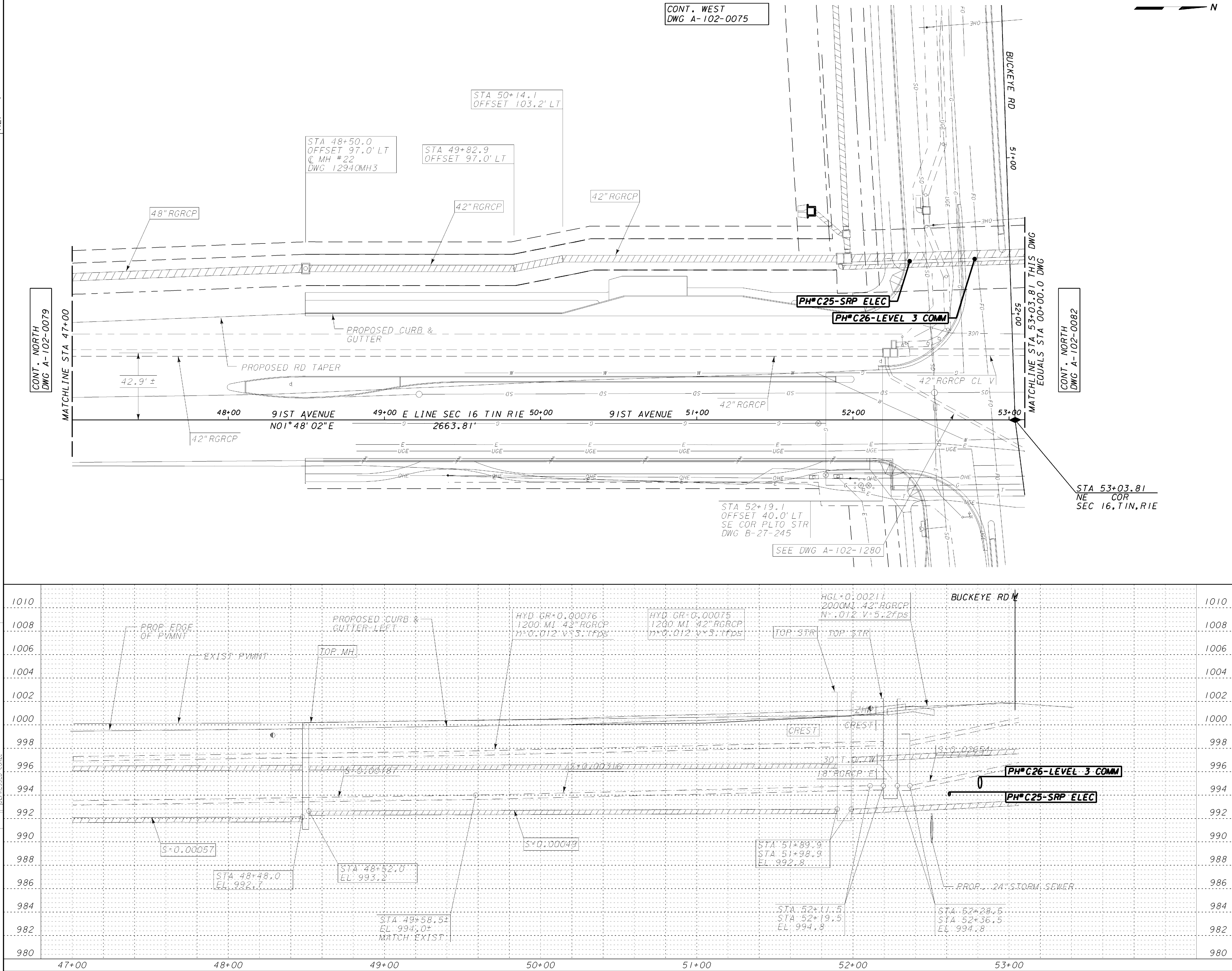
SCALE: PLAN 1"=30', PROFILE 1"=4'	PH0078 .DGN	SHEET NO.
SUBJ CODE DIST CODE DWG SIZE	PP Y2 22X34	65

REFERENCE FILES USED:
REF # 1: M3BM.DGN
REF # 2: M3BM.DGN
REF # 3:
REF # 4:

REV	JOB/LOG	DATE	BY	CHKD	ENGR	SUPV	ISSUE
NO							
7		04.03.06	JWS	CWT			REL
ADDED REF. NOTES & CIRCLE NOTES FOR BRIDGE RECOVERY							
8		04.10.07	JWS	CWT			REL
ADDED REF. NOTES & CIRCLE NOTES FOR INDUSTRIAL DRIVEWAY WITH DEPRESSIONED CURB							
FORM NO.							

WDF-PPSNG

PPSNG, WDF



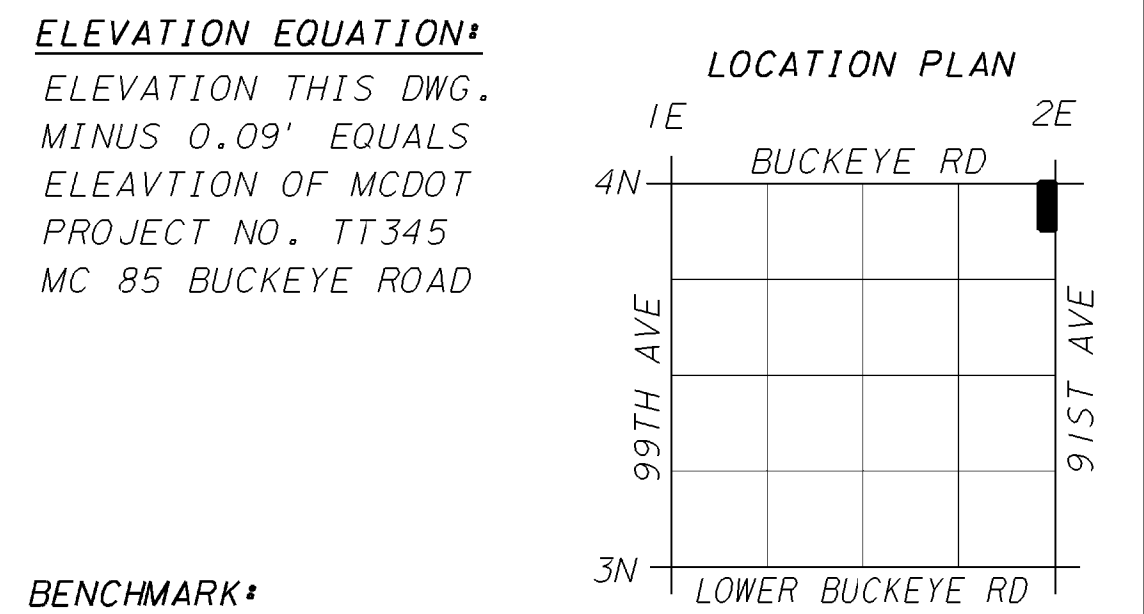
POTHOLING NOTES

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**DWG. NOT APPROVED.
DO NOT CONSTRUCT
W/ THIS DOCUMENT.**



BENCHMARK:
NE COR PLTO STR 2-23-84.3
LOCATED AT 50' SOUTH AND
665' WEST OF THE NORTHEAST
CORNER OF SECTION 18, TIN, RIE.
ELEVATION 996.48'

REDRAWN FROM A-102-1281, SRP SURVEY W13-53393-01 &
DESIGN PLANS FROM MCDOT FOR MC 85 EXPANSION.
POTHOLE INFORMATION PROVIDED BY MCDOT.

0	RD-12940	BAJ	REJ	RMP	RMP	12/19/17
REV NO.	JOB NO.	DFTR	DSGN	ENGR CHK	ISSUE AUTH	DATE

SRP SALT RIVER PROJECT
WATER ENGINEERING PHOENIX, ARIZONA

**GRAND CANAL
LATERAL 22.0
SEC 16 TIN RIE
600' S/O NE COR
TO NE COR
POTHOLE LOCATIONS**

SCALE: PLAN 1"=30', PROFILE 1"=4'	PH0080 .DGN	SHEET NO.
SUBJ CODE	DIST CODE	DWG SIZE
PP	Y2	22X34
PH0080		66

REFERENCE FILES USED:
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REF # 2: M3BM.DGN
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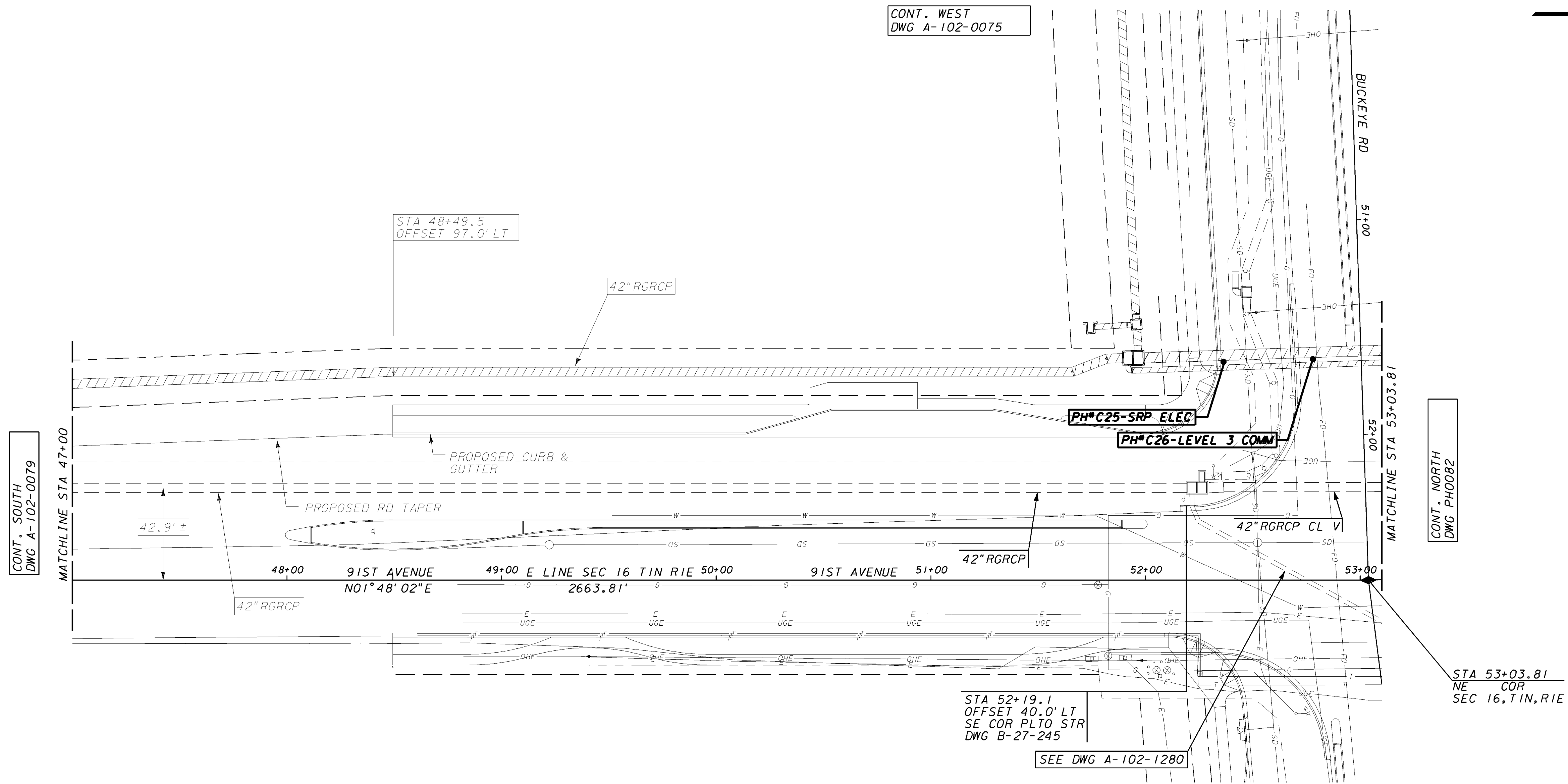
REV	JOB/LOG NO.	DATE	BY	CHKD	ENGR	SUPV	ISSUE
7		04.03.06	JWS	CWT			REL
8		04.10.07	JWS	CWT			REL
FORM NO. 100-PPSNG							

WDF-PPSNG

PPSNG, WDF

CONT. WEST
DWG A-102-0075

N



POTHOLING NOTES

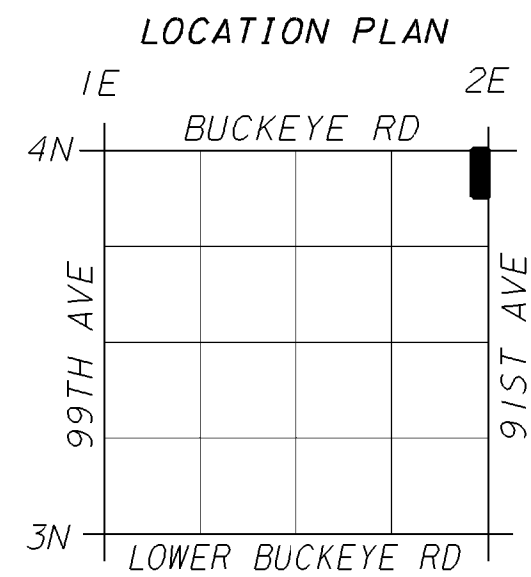
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W/ THIS DOCUMENT.**

ELEVATION EQUATION:
ELEVATION THIS DWG.
MINUS 0.09' EQUALS
ELEVATION OF MCDOT
PROJECT NO. TT345
MC 85 BUCKEYE ROAD



BENCHMARK:

NE COR PLTO STR 2-23-84.3
LOCATED AT 50' SOUTH AND
665' WEST OF THE NORTHEAST
CORNER OF SECTION 18, T1N, R1E.
ELEVATION 996.48'

REDRAWN FROM A-102-1281, SRP SURVEY W13-53393-01 &
DESIGN PLANS FROM MCDOT FOR MC 85 EXPANSION.
POTHOLE INFORMATION PROVIDED BY MCDOT.

REV NO.	JOB NO.	DATE	BY	CHKD	ENGR	SUPV	ISSUE
0	RD-12940	12/19/17	BAJ	REJ	RMP	RMP	REL

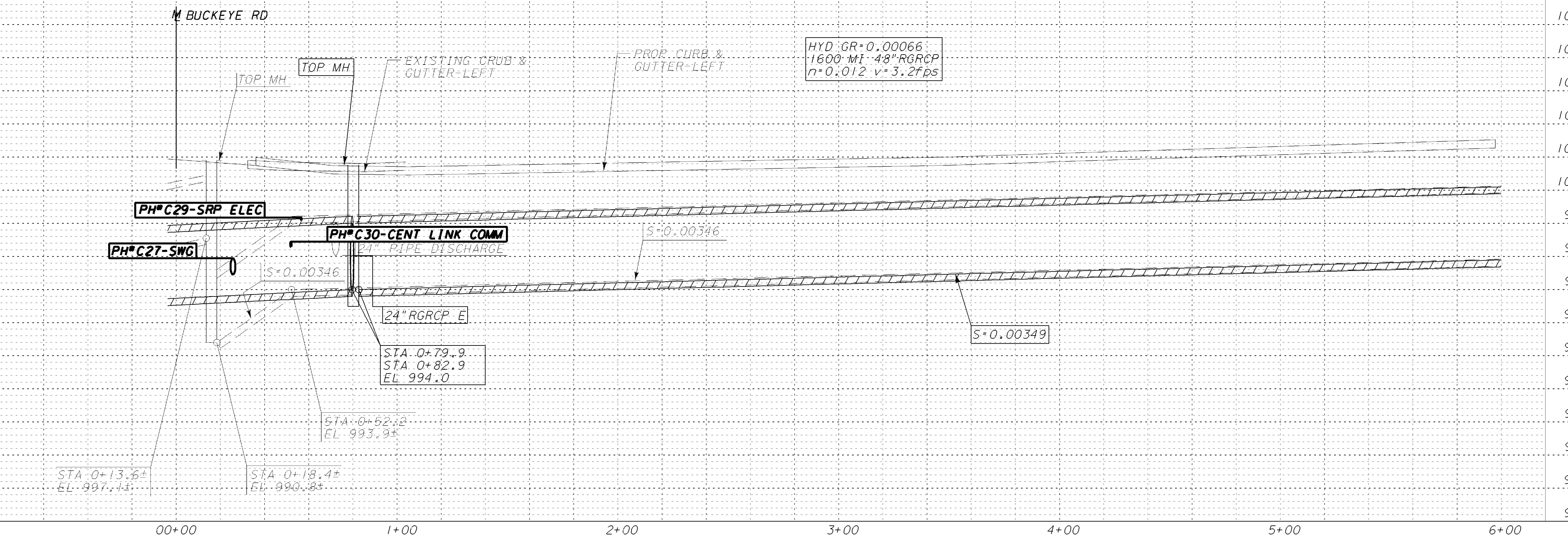
SALT RIVER PROJECT
WATER ENGINEERING PHOENIX, ARIZONA

**GRAND CANAL
LATERAL 22.0
SEC 16 TIN RIE
100' S/O NE COR
TO NE COR
POTHOLE LOCATIONS**

SCALE: PLAN 1"=30', PROFILE 1"=4'	PH0081 .DGN	SHEET NO.
SUBJ CODE DIST CODE DWG SIZE	PP Y2 22X34	67

REV	JOB/LOG NO	DATE	DTR	ENGR CHK	SUPV APPD	ISSUE
7	-	04-03-06	JWS	CWT	-	REL
ADDED HEX NOTE 9 & CIRCLE NOTES FOR BRIDGE RECOVERY AND STEP PAD INSTALLATION.						
8	-	04-10-07	JWS	CWT	-	REL
ADDED CIRCLE NOTE FOR INDUSTRIAL DRIVEWAY WITH PROPOSED LOGS						

WDF-PPSNG



1. IT IS THE PROJECT OWNER'S RESPONSIBILITY TO PROVIDE SRP ENGINEERING WITH UTILITY POTHOLE DATA ON ANY NEW UTILITY WITHIN THE PROPOSED IRRIGATION PIPELINE CORRIDOR PRIOR TO CONSTRUCTION.

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**DWG. NOT APPROVED.
DO NOT CONSTRUCT
W/ THIS DOCUMENT.**

LOCATION PLAN

The map is a rectangular grid. The horizontal axis is labeled 'VAN BUREN ST' at the top and 'BUCKEYE RD' at the bottom. The vertical axis is labeled '99TH AVE' on the left and '91ST AVE' on the right. The top-left corner is labeled '1E' and '5N'. The top-right corner is labeled '2E'. The bottom-left corner is labeled '4N'. A small black rectangle is located at the intersection of Van Buren St and BUCKEYE RD, near the bottom-right corner of the grid.

NE COR PLTO STR 2-23-84.3
LOCATED AT 50' SOUTH AND
665' WEST OF THE NORTHEAST
CORNER OF SECTION 18, T1N, R1E.
ELEVATION 996.48'

							/	/
REDRAWN FROM A-102-0845, SRP SURVEY W13-53393-01 & DESIGN PLANS FROM MCDOT FOR MC 85 EXPANSION. POTHOLE INFORMATION PROVIDED BY MCDOT.								
0	RD-12940	BAJ	REJ	RMP	RMP	12/19/17		
		BAJ	REJ	RMP	RMP			
REV NO.	JOB NO.	DFTR	DSGN	ENGR CHK	ISSUE AUTH	DATE		



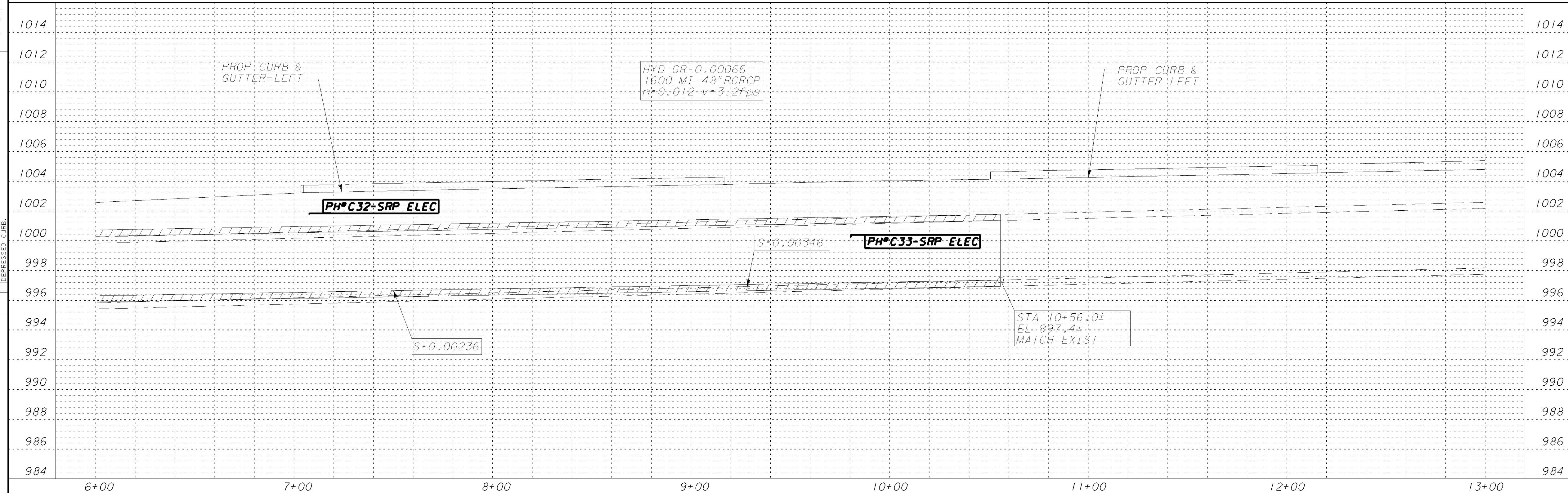
SALT RIVER PROJECT
WATER ENGINEERING ♦ PHOENIX, ARIZONA

**GRAND CANAL
LATERAL 22.0
SEC 9 TIN RIE
SE COR TO 600' N
POTHOLE LOCATIONS**

SCALE: PLAN 1"=30', PROFILE 1"=4'			PH0082 .DGN	SHEET NO.
SUBJ CODE	DIST CODE	DWG SIZE	PH0082	68
PP	Y2	22X34		

REV	JOB/LOG NO	DATE	DFTF	CHKR	ENGR	SUPV	ISSUED
					CHK	APPD	AUTH
7	-	04.03.06	JWS	CWT	-	-	REL
ADDED HEX NOTE 9 & CIRCLE NOTES FOR BRIDGE RECOVERY AND STEP PAD INSTALLATION.							
8	-	04.10.07	JWS	CWT	-	-	REL
ADDED CIRCLE NOTE FOR INDUSTRIAL DRIVEWAY WITH DEPRESSIONED CURB.							

WDF-PPSNG

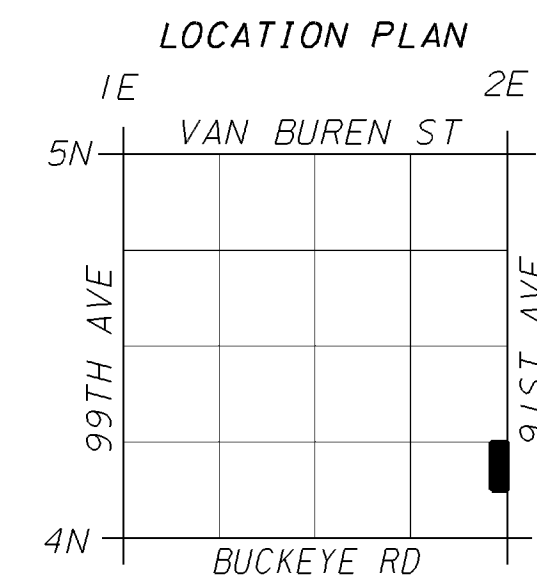


1. IT IS THE PROJECT OWNER'S RESPONSIBILITY TO PROVIDE SRP ENGINEERING WITH UTILITY POTHOLE DATA ON ANY NEW UTILITY WITHIN THE PROPOSED IRRIGATION PIPELINE CORRIDOR PRIOR TO CONSTRUCTION.

THIS INFORMATION IS REQUIRED TO BE ADDED TO THE CONSTRUCTION PLAN DRAWINGS.
2. BY CORPORATE POLICY AND DUE TO INTERRUPTIONS TO SRP SERVICE, ALL CONFLICTING UTILITIES ISSUES ARE REQUIRED TO BE RESOLVED AND UTILITIES RELOCATED PRIOR TO ANY PROJECT RELEASE FOR CONSTRUCTION.

SRP INSPECTION WILL REQUIRE VERIFICATION OF THIS WORK AT THE PROJECT PRE-CONSTRUCTION MEETING.

ELEVATION EQUATION:
ELEVATION THIS DWG.
MINUS 0.09' EQUALS
ELEVATION OF MCDOT
PROJECT NO. TT345
MC 85 BUCKEYE ROAD



BENCHMARK:

NE COR PLTO STR 2-23-84.3
LOCATED AT 50' SOUTH AND
665' WEST OF THE NORTHEAST
CORNER OF SECTION 18, T1N, R1E.
ELEVATION 996.48'

						/ /
						/ /

REDRAWN FROM A-102-0845, SRP SURVEY W13-53393-01 &
DESIGN PLANS FROM MCDOT FOR MC 85 EXPANSION.
POTHOLE INFORMATION PROVIDED BY MCDOT.

0	RD-12940	BAJ	REJ	RMP	RMP	12/19/17
		BAJ	REJ	RMP	RMP	

REV NO.	JOB NO.	DFTR	DSGN	ENGR CHK	ISSUE AUTH	DATE
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SALT RIVER PROJECT
WATER ENGINEERING ♦ PHOENIX, ARIZONA

**GRAND CANAL
LATERAL 22.0
SEC 9 TIN RIE
600' N/O SE COR
TO 16/7 COR
POTHOLE LOCATIONS**

SCALE: PLAN 1"=30', PROFILE 1"=4'			PH0084 .DGN	SHEET NO.
SUBJ CODE	DIST CODE	DWG SIZE	PH0084	69
PP	Y2	22X34		

REFERENCE FILES USED:
REF # 1: M3BM.DGN
REF # 2: M3BM.DGN
REF # 3: M3BM.DGN
REF # 4: M3BM.DGN

CONT. NORTH
DWG B-112-G037

STA 26+21.0
OFFSET 37.5' LT
@ MH #1
DWG A-910-G408

STA 26+33.94
S4 COR
SEC 9, TIN, RIE

STA 26+23.0±
OFFSET 37.5' LT±
TIE TO EXIST

STA 27+02.5
OFFSET 38.0' LT

PH#C09-SEWER

PH#C10-SEWER

PH#C11-SEWER

PH#C12-SEWER

PH#C13-SEWER

PH#C14-SEWER

STA 27+26.9
OFFSET 52.2' LT
@ HDWL/TRRK #3
DWG 12940HT1

PH#C15-SEWER

STA 26+88.1±
OFFSET 36.0' LT±
@ HDWL/TRRK #1
DWG A-910-G407

PH#C15-SEWER

(2) 24" RGRCP
CLASS 5

STA 26+83.5
STA 27+07.7
OFFSET 40.4' RT

STA 27+26.3
OFFSET 77.0' RT
@ MH #1
DWG 12940DBMH1

STA 31+34.9
OFFSET 77.0' RT
@ MH #2
DWG 12940MH2

POTHOLING NOTES

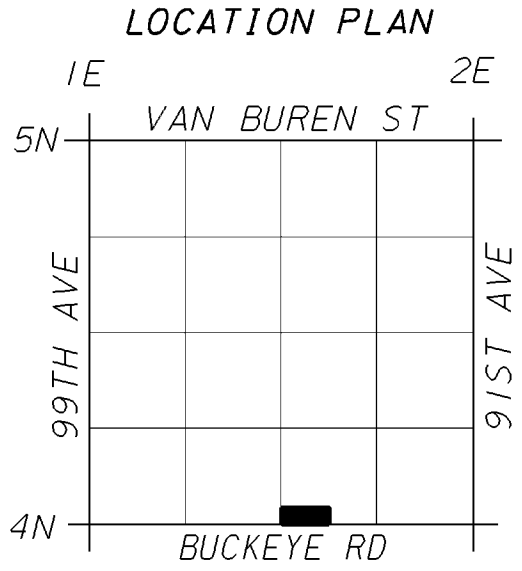
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THIS INFORMATION IS REQUIRED TO BE ADDED TO THE CONSTRUCTION PLAN DRAWINGS.
- BY CORPORATE POLICY AND DUE TO INTERRUPTIONS TO SRP SERVICE, ALL CONFLICTING UTILITIES ISSUES ARE REQUIRED TO BE RESOLVED AND UTILITIES RELOCATED PRIOR TO ANY PROJECT RELEASE FOR CONSTRUCTION.

SRP INSPECTION WILL REQUIRE VERIFICATION OF THIS WORK AT THE PROJECT PRE-CONSTRUCTION MEETING.

DWG. NOT APPROVED.
DO NOT CONSTRUCT
W/ THIS DOCUMENT.

ELEVATION EQUATION:
ELEVATION THIS DWG.
MINUS 0.09' EQUALS
ELEVATION OF MCDOT
PROJECT NO. TT345
MC 85 BUCKEYE ROAD



BENCHMARK:

NE COR PLTO STR 2-23-84.3
LOCATED AT 50' SOUTH AND
665' WEST OF THE NORTHEAST
CORNER OF SECTION 18, TIN, RIE.
ELEVATION 996.48'

REDRAWN FROM B-112-G018, SRP SURVEY W13-53393-01 &
DESIGN PLANS FROM MCDOT FOR MC 85 EXPANSION.
POTHOLE INFORMATION PROVIDED BY MCDOT.

REV	JOB NO.	DATE	BY	CHK	DATE	BY	CHK
0	RD-12940		BAJ	REJ	RMP	RMP	

SALT RIVER PROJECT
WATER ENGINEERING ♦ PHOENIX, ARIZONA

**GRAND CANAL
DRAIN
SEC 9 TIN RIE
S4 COR TO 660' E
POTHOLE LOCATIONS**

SCALE: PLAN 1"=30', PROFILE 1"=4'	PHG195 .DGN	SHEET NO.
SUBJ CODE DIST CODE DWG SIZE	PP Y2 22X34	PHG195 76

PPSNG, WDF

REV	JOB/LOG	DATE	BY	CHK	DATE	BY	CHK
7		04.03.06	JWS	CWT			
8		04.10.07	JWS	CWT			

FORM NO. WDF-PPSNG

