

LAKE HAVASU CITY, ARIZONA

CITY CORE PAVING AND WATER MAIN RECONSTRUCTION

BASIS OF HORIZONTAL CONTROL

BASIS OF HORIZONTAL CONTROL:
JOB SETTINGS:

HORIZONTAL DATUM – NAD83 (CORS96)
PROJECTION – ARIZONA STATE PLANE WEST (SPC AZ WEST)
LINEAR UNITS – US FOOT
COORDINATE – GRID
GEOID – GEOID 2003 ZONE 5

CITY BASE STATION:

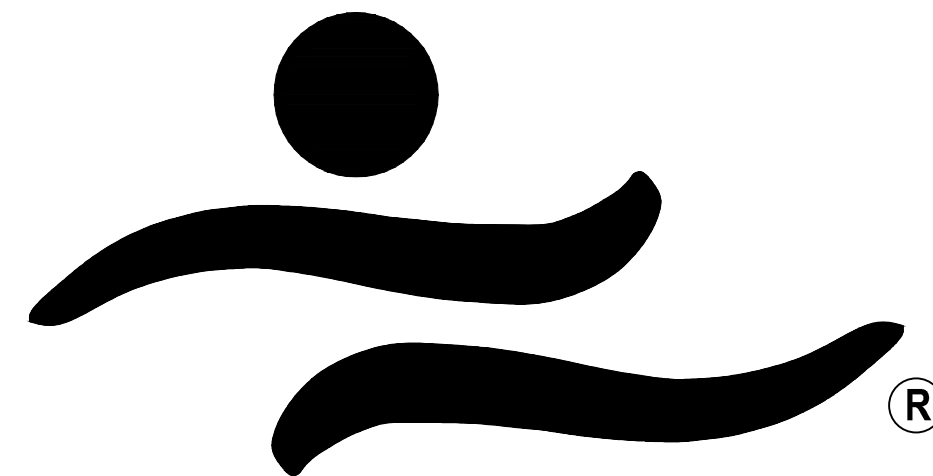
N: 1265542.33
E: 528326.69
ELEV: 773.73

LOCAL PROJECT CONTROL:

DESCRIPTION – REBAR SET BRB 1/2IN.

N: 1264940.25
E: 522531.37
ELEV: 559.43

BASIS OF BEARINGS SHOWN HEREON ARE BASED UPON U.S. STATE PLANE NAD83 COORDINATE SYSTEM ARIZONA STATE PLANE COORDINATE ZONE CENTRAL, DETERMINED BY GPS OBSERVATIONS COLLECTED DURING THIS SURVEY.



LAKE HAVASU CITY

PREPARED BY:

Kimley»Horn

REVIEWED BY

CITY ENGINEER _____ DATE _____

UTILITIES MANAGER _____ DATE _____

RECORD DRAWING CERTIFICATION

I HEREBY CERTIFY, TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF, THAT THIS PROJECT HAS BEEN COMPLETED IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED PLANS, SPECIFICATIONS AND REFERENCED STANDARDS, EXCEPT AS SHOWN HEREON; THAT THESE AS-BUILT PLANS REFLECT THE POSITION OF CONSTRUCTED IMPROVEMENTS BASED ON FIELD MEASUREMENTS; AND THAT THE MATERIALS USED IN CONSTRUCTION ARE AS SHOWN BASED ON FIELD OBSERVATION AND TEST RESULTS.

THIS CERTIFICATION DOES NOT WARRANT MATERIALS, WORKMANSHIP, METHODS OF CONSTRUCTION, OR OTHER ITEMS AFFECTING THE WARRANTY OF THIS PROJECT, TO THE CITY OF PRESCOTT. USERS OF THIS INFORMATION ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ACTUAL CONDITIONS.

REGISTERED PROFESSIONAL ENGINEER (CIVIL) _____ DATE _____

PROJECT ENGINEER

KIMLEY-HORN
101 WEST GOODWIN STREET
SUITE 303
PRESCOTT, AZ 86303
PHONE: 928-458-7126

CONTACT: JAMES WARNE, P.E.

CITY COUNCIL

CAL SHEEHY
DAVID LANE
JENI COKE
MICHELE LIN
JIM DOLAN
NANCY CAMPBELL
CAMERON MOSES

MAYOR
VICE MAYOR
COUNCIL MEMBER
COUNCIL MEMBER
COUNCIL MEMBER
COUNCIL MEMBER
COUNCIL MEMBER

UTILITY CONTACTS

LAKE HAVASU CITY (WASTEWATER) (928) 855-3999

LAKE HAVASU CITY (WATER) (928) 855-2618

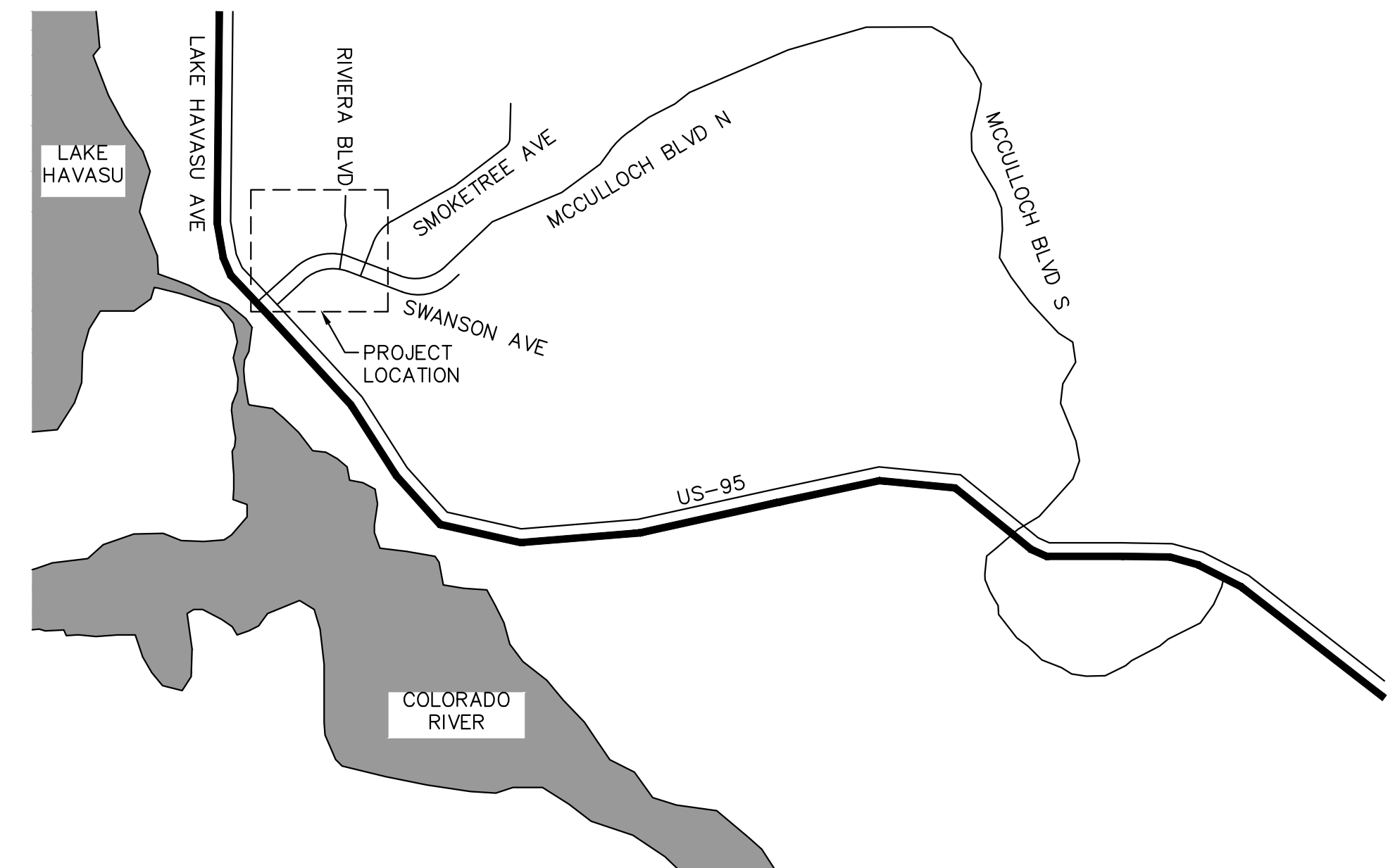
SUDDENLINK (928) 855-9855

FRONTIER COMMUNICATION (928) 358-1977

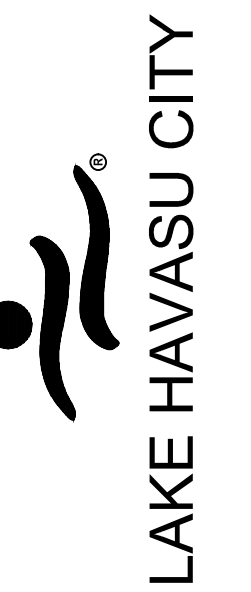
UNISOURCE ENERGY SERVICES (GAS) (928) 226-2269

UNISOURCE ENERGY SERVICES (ELECTRIC) (928) 505-7030

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LOCATION MAP
SCALE: N.T.S.

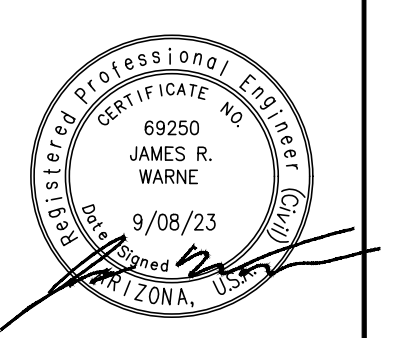


NO.	#	#	#	#
REVISIONS / SUBMISSIONS	-	-	-	-
DATE	-	-	-	-

LAKE HAVASU CITY
CITY CORE PAVING RECONSTRUCTION

Designed by: JRW
Drawn by: JWL
Checked by: ACB
Date: 09/08/23
Dwg scale: N/A

COVER SHEET



Sheet Number:

CV01

Sheet 01 OF 41

LAKE HAVASU GENERAL NOTES

A. GENERAL

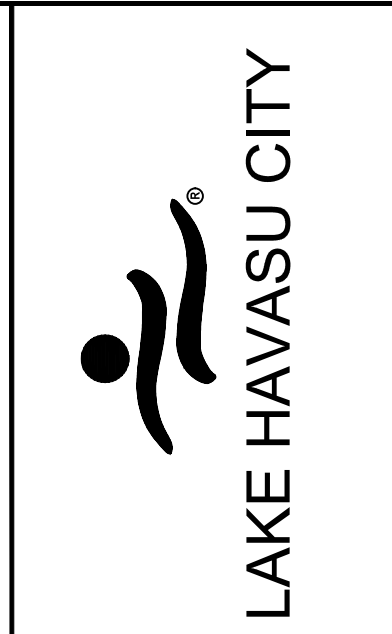
- ALL STRUCTURES ARE DESIGNED TO ACT AS A STRUCTURAL UNIT UPON COMPLETION. CONTRACTOR SHALL DESIGN AND PROVIDE NECESSARY BRACING, TEMPORARY SUPPORTS, AND SHORING TO RESIST FORCES ON THE STRUCTURE DURING CONSTRUCTION.
- VERIFY ALL DIMENSIONS AND ELEVATIONS PRIOR TO STARTING WORK. NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
- VERIFY LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO STARTING WORK.
- CONTRACTOR SHALL EXERCISE EXTREME CARE DURING THE EXCAVATION AND CONSTRUCTION FOR NEW STRUCTURE TO AVOID DAMAGE TO EXISTING STRUCTURES AND EXISTING UTILITIES. CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL MEANS AND METHODS REQUIRED TO FACILITATE CONSTRUCTION OF THE WORK AND ENSURING THE SAFETY, STABILITY AND INTEGRITY OF ADJACENT STRUCTURES AND FACILITIES.
- THE ENGINEER SHALL BE NOTIFIED A MINIMUM OF 24 HOURS PRIOR TO BEGINNING ANY CONSTRUCTION.
- ANY WORK PERFORMED WITHOUT THE KNOWLEDGE AND APPROVAL BY THE ENGINEER AND/OR ALL WORK MATERIAL NOT IN CONFORMANCE WITH THE PLANS AND SPECIFICATIONS IS SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
- NO JOB WILL BE CONSIDERED COMPLETE UNTIL ALL CURBS, PAVEMENT AND SIDEWALKS (NEW AND EXISTING) HAVE BEEN SWEEPED CLEAN OF ALL DIRT AND DEBRIS.
- ALL QUANTITIES SHOWN ON PLANS ARE APPROXIMATE, ARE NOT VERIFIED BY THE ENGINEER, AND ARE FURNISHED SOLELY FOR THE CONTRACTOR'S CONVENIENCE. THEY DO NOT NECESSARILY CORRESPOND TO BID SCHEDULE ITEMS. PAYMENT WILL BE BASED ON BID SCHEDULE ITEMS. THE CONTRACTOR SHALL NOT BE RELIEVED OF HIS RESPONSIBILITY FOR INDEPENDENTLY ESTIMATING WORK QUANTITIES PRIOR TO BIDDING.
- BACKFILL COMPACTION SHALL BE PER MAG 301, UNLESS OTHERWISE NOTED. SUBGRADE PREPARATION SHALL MEET THE LHC STANDARD SPECIFICATION SECTION 2600.
- REMOVAL OF STRUCTURES AND OBSTRUCTIONS AS NECESSARY TO COMPLETE THE WORK, OTHER THAN SPECIALLY SCHEDULED IN THE BID, IS INCIDENTAL TO THE CONTRACT. NO SEPARATE MEASUREMENT OF PAYMENT FOR UNSCHEDULED REMOVAL ITEMS WILL BE MADE.
- CONSTRUCTION STAKING SHALL BE BY THE CONTRACTOR'S SURVEYOR WITH CONTROL PROVIDED BY THE DESIGN ENGINEER WHO STAMPED THE PLANS.
- THE LAKE HAVASU CITY MAY ORDER ANY OR ALL WORKMANSHIP AND MATERIALS TO BE TESTED ACCORDING TO APPLICABLE STANDARDS.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL REWORK AND/OR REMOVAL AND REPLACEMENT OF ALL MATERIALS AND/OR WORKMANSHIP REPRESENTED BY A FAILING TEST.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL COSTS OF TESTING AND QUALITY ASSURANCE/QUALITY CONTROL AS DELINEATED IN THE CITY'S PROJECT SPECIFICATIONS. THE COST OF TESTING IS INCIDENTAL TO EACH ITEM OF WORK. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE COST OF ANY CITY INSPECTION AND CITY INSPECTION TIME IF THE CONTRACTOR'S WORK IS BEING PERFORMED IN OVERTIME, AT NIGHT, OR ON WEEKENDS.
- APPROVAL OF A PORTION OF THE WORK IN PROGRESS DOES NOT GUARANTEE ITS FINAL ACCEPTANCE. TESTING AND EVALUATION MAY CONTINUE UNTIL WRITTEN FINAL ACCEPTANCE OF A COMPLETE AND WORKABLE UNIT.
- THE LAKE HAVASU CITY MAY SUSPEND THE WORK BY WRITTEN NOTICE WHEN, IN ITS JUDGEMENT, PROGRESS IS UNSATISFACTORY, WORK BEING DONE IS UNAUTHORIZED OR DEFECTIVE, WEATHER CONDITIONS ARE UNSUITABLE, OR THERE IS A DANGER TO THE PUBLIC HEALTH OR SAFETY.
- CLEARING AND GRUBBING IS CONSIDERED INCIDENTAL TO THE WORK UNLESS SEPARATELY IDENTIFIED IN THE BID SCHEDULE. NO SEPARATE MEASUREMENT OF OR PAYMENT FOR CLEARING, GRUBBING, AND TREE REMOVAL WILL BE MADE. THE SITE OF ALL EXCAVATION, EMBANKMENTS, AND FILLS SHALL FIRST BE CLEARED OF STUMPS, TRASH, WEEDS, RUBBISH, AND LOOSE BOULDERS WHICH SHALL BE REMOVED AND DISPOSED OF. THE CONTRACTOR MUST SATISFY HIMSELF REGARDING THE CHARACTER AND AMOUNT OF LOAM, CLAY, SAND, QUICKSAND, HARDPAN, GRAVEL, ROCK, WATER, AND ALL OTHER MATERIAL TO BE ENCOUNTERED AND WORK TO BE PERFORMED.
- THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE AND ARE BASED ON FIELD DATA AND MAP RECORDS. THE CONTRACTOR SHALL CONTACT 1-800-STAKE-IT PRIOR TO ANY CONSTRUCTION ACTIVITY TO VERIFY THE ACTUAL LOCATION OF ALL UTILITIES. THE CONTRACTOR SHALL DETERMINE WHICH UTILITIES DO NOT PARTICIPATE IN 1-800-STAKE-IT AND CONTACT THEM DIRECTLY TO VERIFY THE LOCATION OF THOSE UTILITIES. ANY DAMAGE TO EXISTING UTILITIES CAUSED BY CONTRACTOR'S OPERATION SHALL BE REPORTED TO THE UTILITY OWNER IMMEDIATELY AND REPAIRED OR REPLACED AT NO COST TO THE CITY. IN CASES WHEN THE EXISTING UTILITIES ARE NOT AS DEPICTED ON THE PLANS SOME MINOR DEVIATION TO THE PROPOSED ALIGNMENT MAY BE ALLOWED TO MAINTAIN MINIMUM SEPARATION DISTANCES BETWEEN UTILITIES. ANY PROPOSED TO MAINTAIN MINIMUM SEPARATION DISTANCES BETWEEN UTILITIES. ANY PROPOSED TO CHANGES TO THE ALIGNMENT MUST BE SUBMITTED TO THE CITY'S REPRESENTATIVE FOR REVIEW. NO CHANGES WILL BE ALLOWED WITHOUT PRIOR APPROVAL.
- THE CONTRACTOR SHALL LIMIT THE WORK AREA TO PUBLIC RIGHT-OF-WAY AND PERMANENT EASEMENTS AS SHOWN FOR CONSTRUCTION OF THE PROJECT. TEMPORARY CONSTRUCTION EASEMENTS EXIST AS SHOWN AND INDICATED IN THE PLANS.
- CONTRACTOR SHALL OBTAIN ANY ADDITIONAL TEMPORARY EASEMENTS OR USE AGREEMENTS THAT ARE DEEMED NECESSARY FOR CONSTRUCTION AT NO ADDITIONAL COST TO THE CITY. COPIES OF ALL CONTRACTOR OBTAINED EASEMENTS AND USE AGREEMENTS SHALL BE PROVIDED TO THE CITY'S REPRESENTATIVE PRIOR TO THE UTILIZATION OF THE SITE.
- THE CONTRACTOR SHALL GRADE AND RESURFACE ALL AREAS DISTURBED BY CONSTRUCTION, INCLUDING LANDSCAPE ROCK, IN ACCORDANCE WITH THE SPECIFICATIONS AND TO A CONDITION EQUAL TO, OR BETTER THAN, THE PRE-CONSTRUCTION CONDITION.
- THE CONTRACTOR SHALL PROTECT ALL CONCRETE STRUCTURES TO REMAIN. ALL CONCRETE REPLACEMENT SHALL BE FROM JOINT TO JOINT (WALLS, SIDEWALK) AND SHALL BE REPLACED WITH 4000 PSI CONCRETE. ALL DAMAGED CONCRETE PANELS MUST BE REPLACED AND SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR SHALL PROVIDE PROTECTION TO PREVENT UNDERMINING OR DAMAGING THE STRUCTURAL INTEGRITY OF ALL FENCES, RETAINING WALLS, STREET SIGNS, OTHER UTILITY POLES, OR OTHER PRIVATE OR PUBLIC IMPROVEMENTS WITHIN THE PROJECT AREA. THE CONTRACTOR SHALL MAKE ARRANGEMENTS WITH THE OWNING UTILITY AS NECESSARY TO PROVIDE TEMPORARY SUPPORT, OR PROTECTION DURING CONSTRUCTION WORK, AND SHALL NEATLY REMOVE AND PROMPTLY REPLACE NON UTILITY IMPROVEMENTS WITHOUT UNDUE DISRUPTION. THE COST OF ALL SUCH PROTECTION, REMOVAL, AND REPLACEMENT REQUIRED TO COMPLETE THE PROJECT SHALL BE SUBSIDIARY TO OTHER BID ITEMS.
- THE CONTRACTOR SHALL REMOVE ALL FENCING, ASPHALT AND CONCRETE ROADS AND DRIVEWAYS, CURB AND GUTTER, RIP-RAP, DRAINAGE CULVERTS AND ASSOCIATED APPURTENANCES AS REQUIRED FOR CONSTRUCTION PURPOSES. ALL ITEMS DAMAGED OR REMOVED SHALL BE RESTORED IN ACCORDANCE WITH THE SPECIFICATION TO A CONDITION EQUAL TO, OR BETTER THAN, THEIR CONDITION PRIOR TO THE START OF THE PROJECT. ITEMS OF WORK NOT SPECIFICALLY INCLUDED IN THE MEASUREMENTS AND PAYMENT SECTION OF THE SPECIFICATIONS SHALL BE CONSIDERED SUBSIDIARY TO OTHER BID ITEMS AND SHALL NOT BE PAID FOR SEPARATELY.
- IT IS NOT THE INTENTION OF THE SPECIFICATIONS TO SUPERSEDE ANY FEDERAL, STATE OR LOCAL LAWS, REGULATIONS AND/OR ORDINANCES; THEY SHALL GOVERN IN ALL INSTANCES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SHOW A GOOD FAITH EFFORT AND TO PROTECT ALL EXISTING UTILITY TIES AND STRUCTURES AND TO ABIDE BY ALL FEDERAL, STATE AND LOCAL LAWS AND ORDINANCES IN THIS RESPECT.
- THE CONTRACTOR SHALL PROTECT ALL EXISTING IMPROVEMENTS ON PRIVATE PROPERTY. ALL ITEMS DAMAGED OR REMOVED SHALL BE RESTORED IN ACCORDANCE WITH THE SPECIFICATION TO A CONDITION EQUAL TO, OR BETTER THAN, THEIR CONDITION PRIOR TO THE START OF THE PROJECT.
- PROPERTY LINES SHOWN ON DRAWINGS ARE APPROXIMATE.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT PLANS AND SPECIFICATIONS AS WELL AS THE LATEST ADDITION OF MAG STANDARDS AND DETAILS AND THE LHC ENGINEERING SPECIFICATIONS.

LEGEND

---	5520	EXISTING CONTOUR	[Dotted Box]	PROPOSED AC PAVEMENT
---	W	EXISTING WATER LINE	[JB]	EXISTING JUNCTION BOX
[Shaded Box]		EXISTING STORM DRAIN	[X]	EXISTING WATER VALVE (FROM TOPO SURVEY)
---	SS	EXISTING SANITARY SEWER LINE	[X]	EXISTING WATER VALVE (FROM GIS)
---	OHE	EXISTING OVERHEAD ELECTRIC	[FH]	EXISTING FIRE HYDRANT
---	OHT	EXISTING TELEPHONE LINE	[S]	EXISTING MANHOLE
---	UE	EXISTING UNDERGROUND ELECTRIC	[E]	EXISTING ELECTRIC POLE
---	G	EXISTING GAS LINE	[d]	EXISTING SIGN
---	TV	EXISTING UNDERGROUND TELEPHONE LINE	[●]	SURVEY BENCHMARK
---	FO	EXISTING FIBER OPTIC LINE	[WM]	EXISTING WATER METER
---	x	EXISTING BARBED WIRE FENCE	[X]	PROPOSED WATER VALVE
---		EXISTING WALL		
---		PROPERTY LINE, R.O.W.		
---		PROPOSED SAWCUT		
---	W	PROPOSED WATER LINE		
x x x x x x x x x x x x		ABANDON EXISTING WATER LINE		

ACRONYM / ABBREVIATION

A	ABANDONED	H	HEIGHT	RT	RIGHT
AB	AGGREGATE BASE	INV	INVERT	R	RADIUS
ABC	AGGREGATE BASE COURSE	LI	LANDSCAPE ISLAND	R/W	RIGHT-OF-WAY
AC	ASPHALTIC CONCRETE	LT	LEFT	RDWY	ROADWAY
BP	BEGIN PROJECT	LF	LINEAR FEET	SHT	SHEET
C	CONCRETE	M.A.G.	MARICOPA ASSOCIATION	SM	SURVEY MARKER
Q	CENTERLINE		OF GOVERNMENTS	SS	SANITARY SEWER
CONST	CONSTRUCTION	MH	MANHOLE	ST	STREET
COMM	COMMUNICATION	MIN	MINIMUM	STA	STATION
DET	DETAIL	N	NORTHING	STD	STANDARD
DP	DRIVE PATH	NO	NUMBER	STRUCT	STRUCTURAL
E	EASTING	P	PAVEMENT	STRUCK	STRUCTURAL
EA	EACH			SIDEWALK	SW
ELEV	ELEVATION	PC	POINT OF CURBE	TBC	TOP OF CURB
EP	END PROJECT	PCC	PORTLAND CEMENT CONCRETE	TELE	TELEPHONE
EXIST	EXISTING	PI	POINT OF INTERSECTION	TEMP	TEMPORARY
FC	FACE OF CURB	POB	POINT OF BEGINNING	TOP	TOP OF PIPE
FH	FIRE HYDRANT	POE	POINT OF ENDING	TYP	TYPICAL
FL	FLOW LINE	PT	POINT OF TANGET		
FT.	FEET	QC	QUAD CITY		

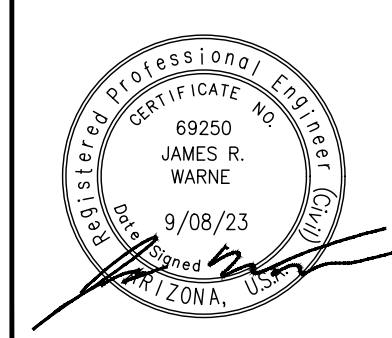


DATE	-	-	-	-
REVISIONS / SUBMISSIONS	-	-	-	-
NO.	#	#	#	#

LAKE HAVASU CITY
CITY CORE PAVING RECONSTRUCTION

Designed by: JRW	Drawn by: JWL	Checked by: ACB	Date: 09/08/23	Dwg scale: N/A
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GENERAL NOTES

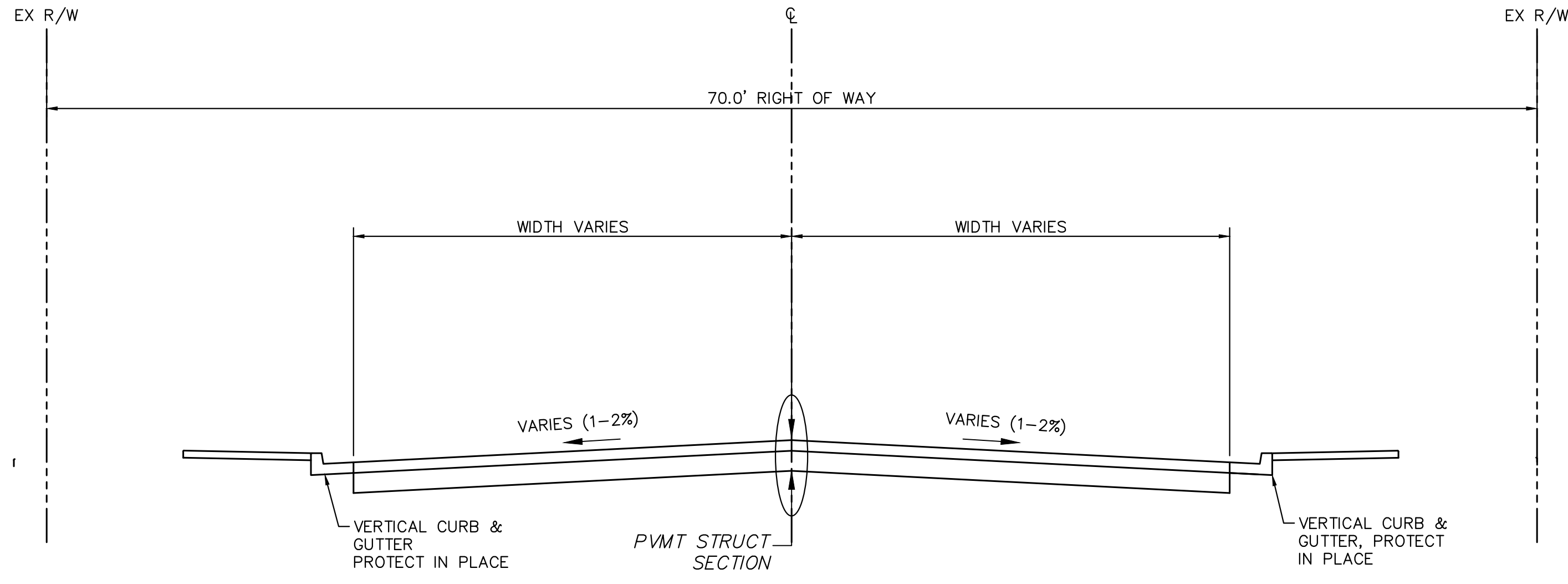


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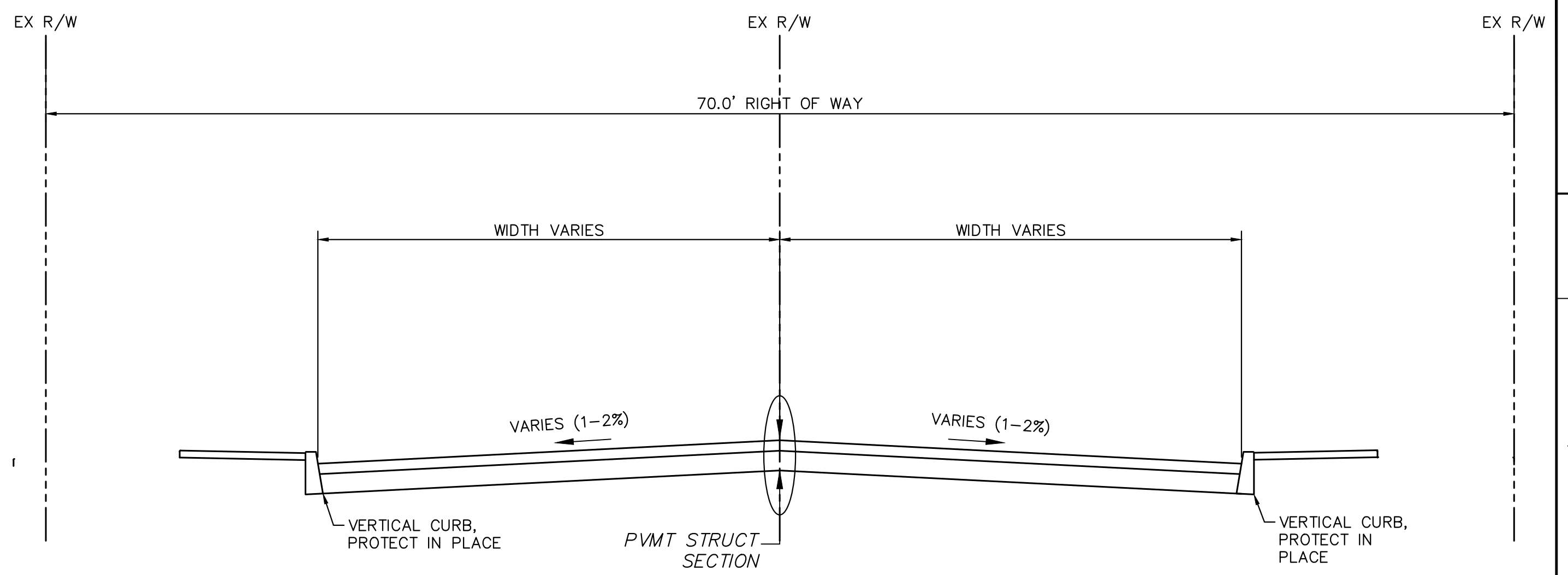
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Sheet Number:
GN01
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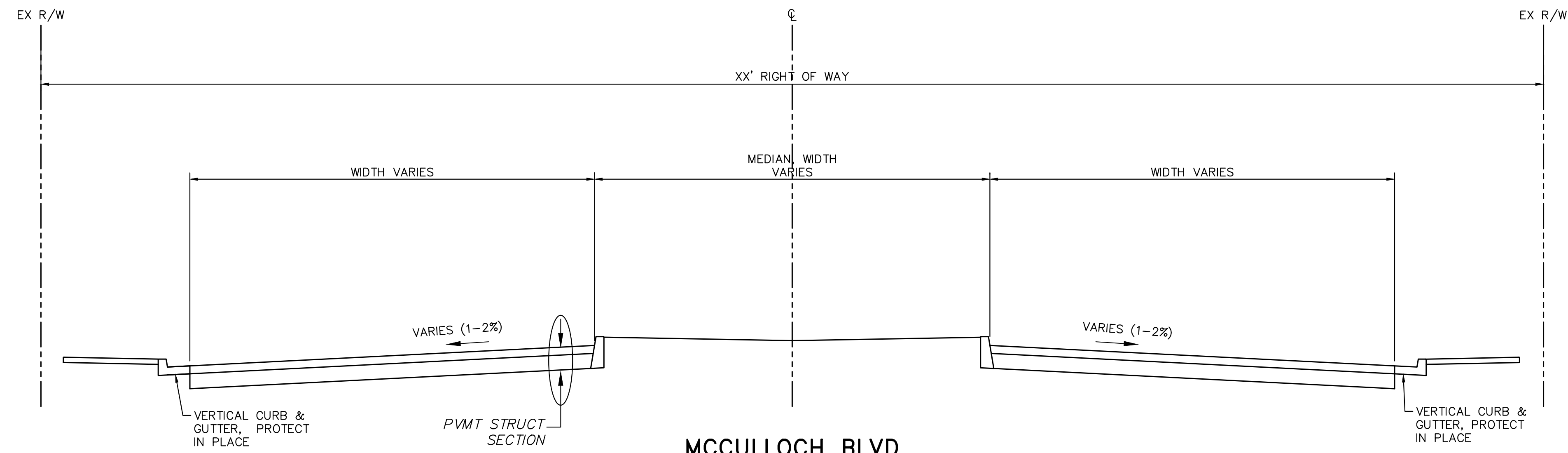
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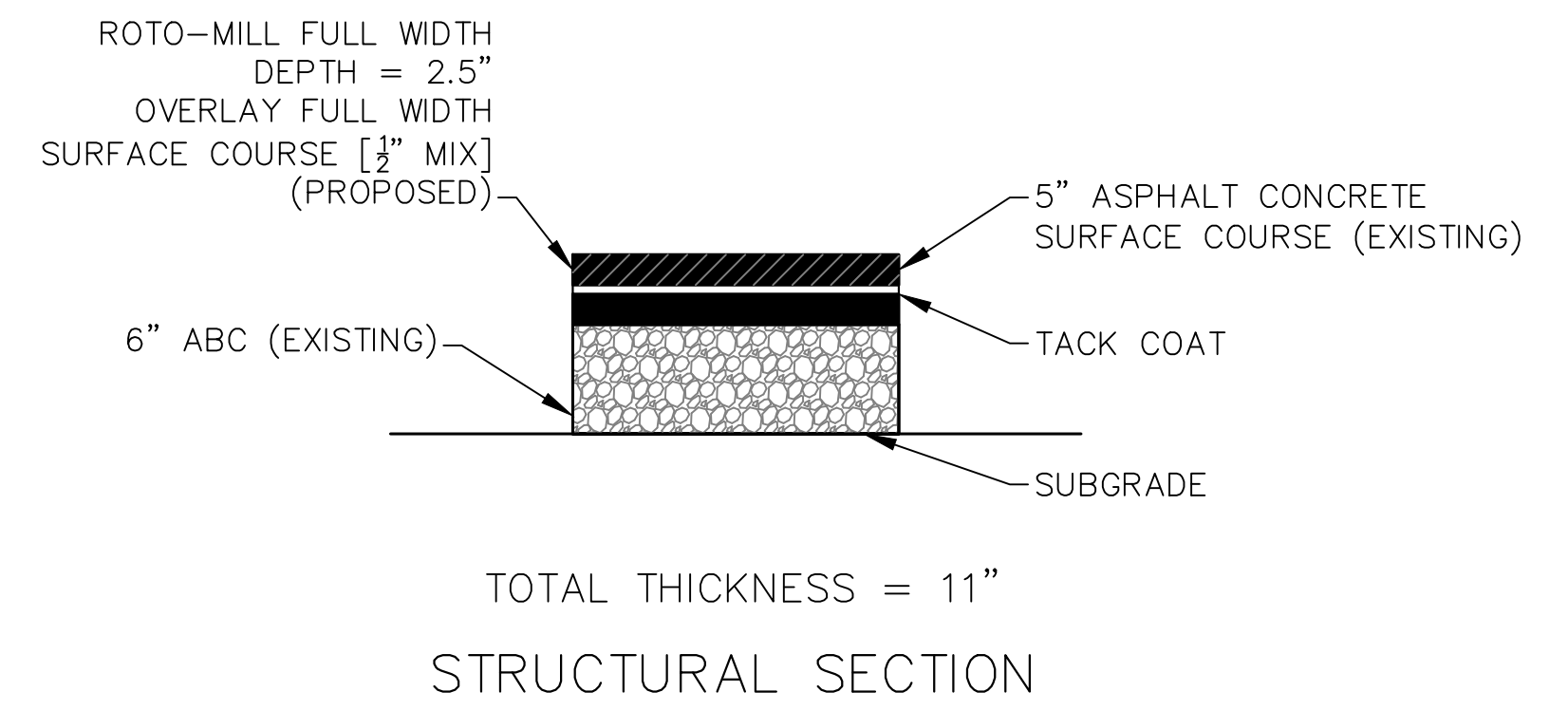
MCCULLOCH BLVD
TYPICAL SECTION NO. 01
WITHOUT MEDIAN



RIVIERA BLVD
TYPICAL SECTION
NO. 03



MCCULLOCH BLVD
TYPICAL SECTION NO. 02
WITH MEDIAN

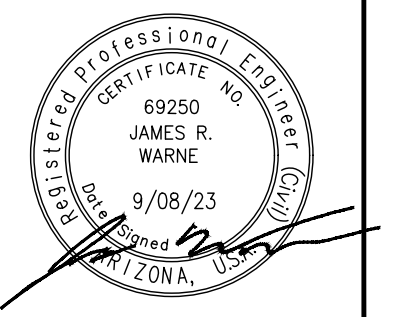


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LAKE HAVASU CITY
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**TYPICAL SECTIONS -
MCCULLOCH BLVD &
RIVIERA BLVD**

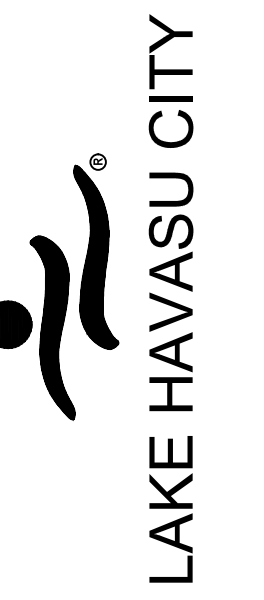
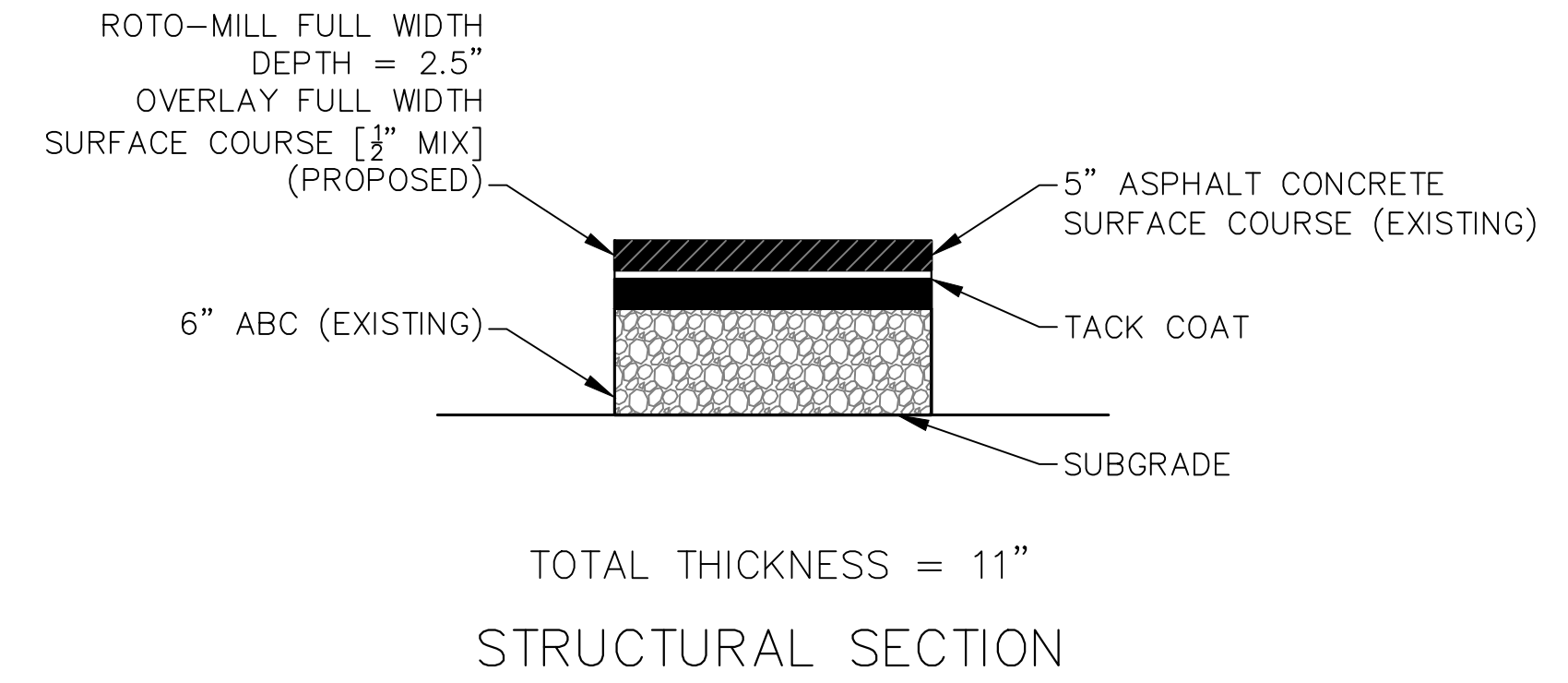
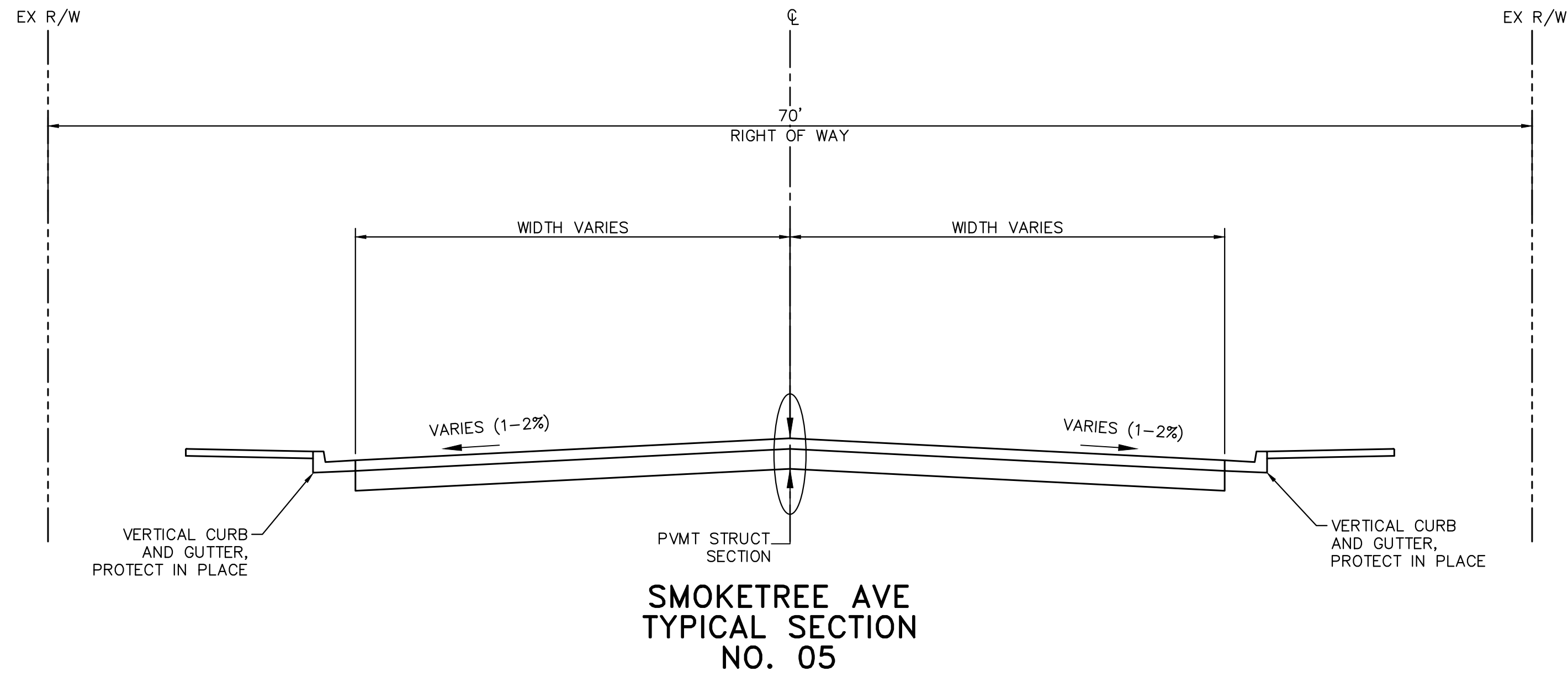
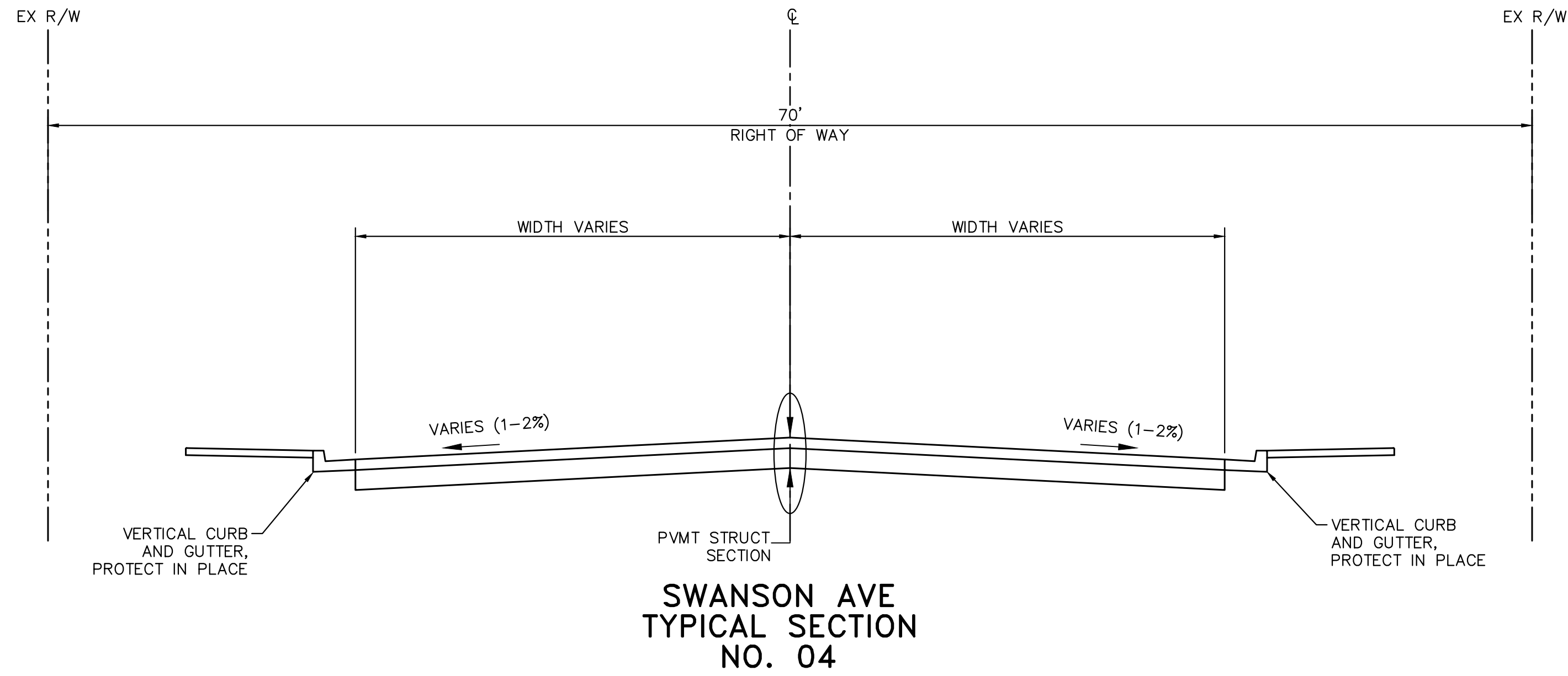


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Sheet Number:
TS01
Sheet 03 OF 41

FILE NAME&PATH: K:\PRS_ROADWAY\191245016 - LHC CITY CORE PAVING\CADD\SHEETS\TS01.DWG

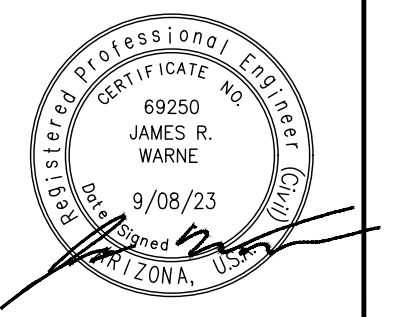


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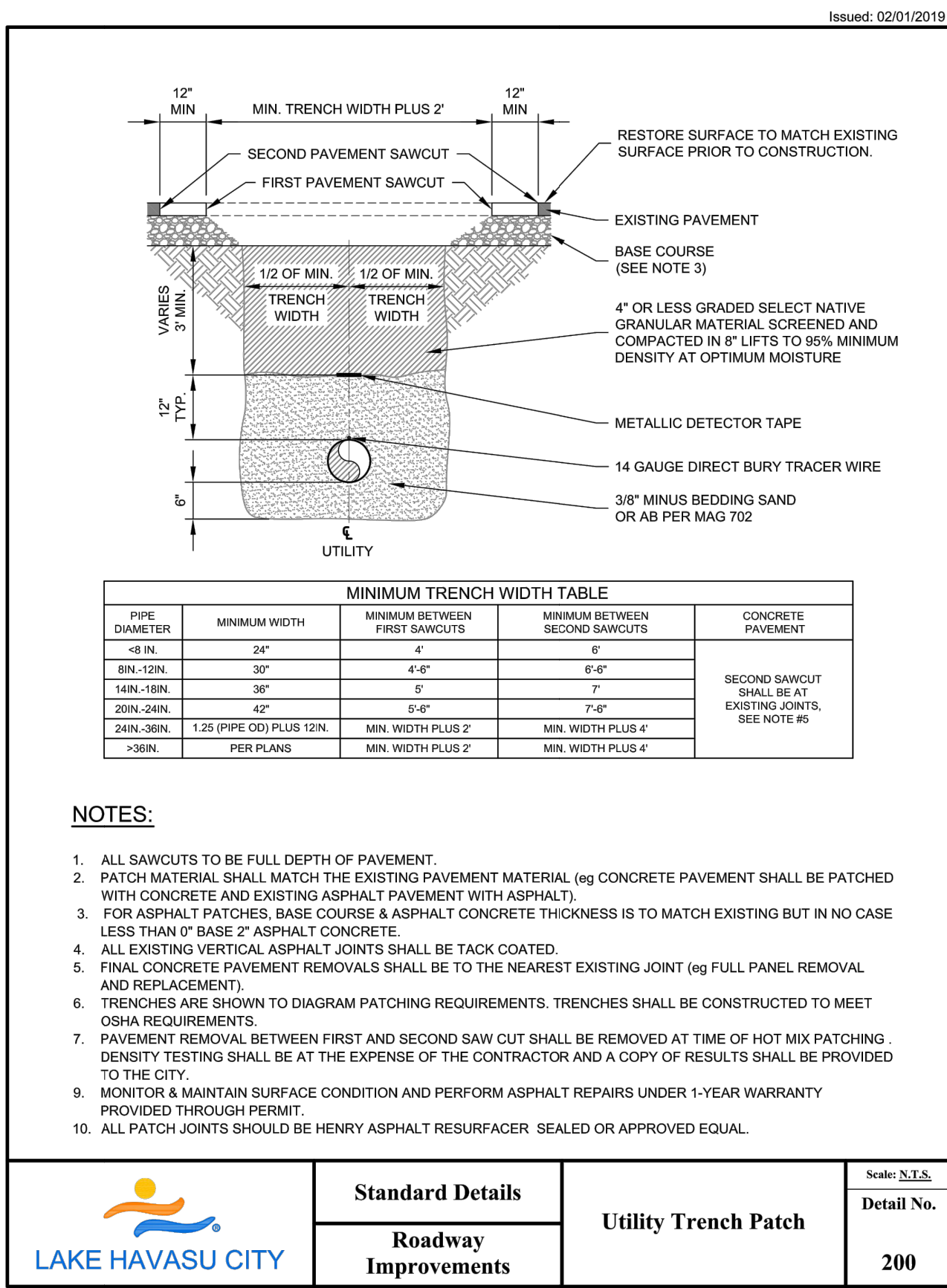
**TYPICAL SECTIONS -
 SWANSON AVE &
 SMOKETREE AVE**



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Sheet Number:
TS02
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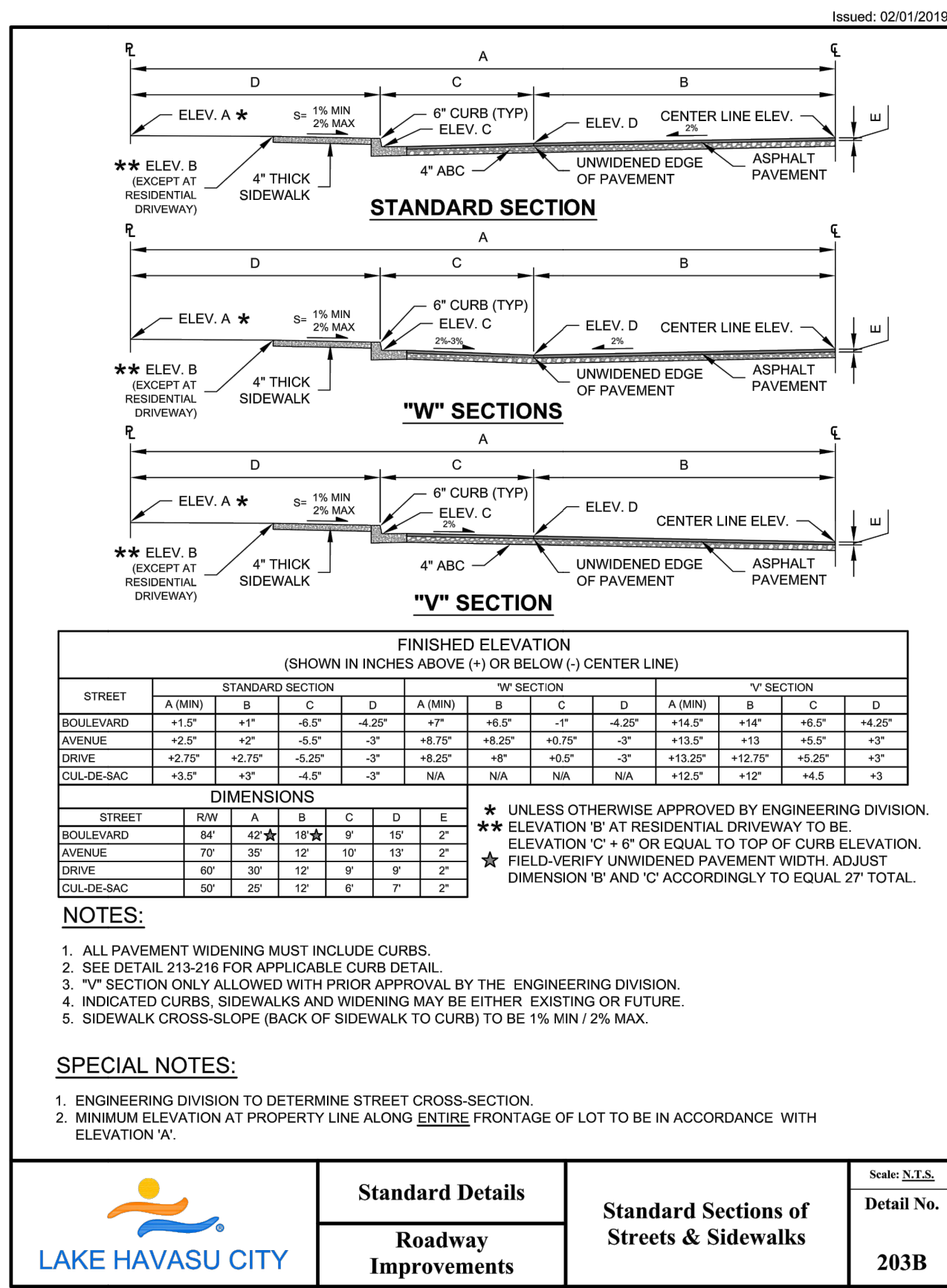
FILE NAME&PATH: K:\PRS_ROADWAY\191245016 - LHC CITY CORE PAVING\CADD\SHEETS\TS03.DWG



PIPE DIAMETER	MINIMUM WIDTH	MINIMUM BETWEEN FIRST SAWCUTS	MINIMUM BETWEEN SECOND SAWCUTS	CONCRETE PAVEMENT
4\"/>				

- NOTES:**
1. ALL SAWCUTS TO BE FULL DEPTH OF PAVEMENT.
 2. PATCH MATERIAL SHALL MATCH THE EXISTING PAVEMENT MATERIAL (eg CONCRETE PAVEMENT SHALL BE PATCHED WITH CONCRETE AND EXISTING ASPHALT PAVEMENT WITH ASPHALT).
 3. FOR ASPHALT PATCHES, BASE COURSE & ASPHALT CONCRETE THICKNESS IS TO MATCH EXISTING BUT IN NO CASE LESS THAN 0\"/>

LAKE HAVASU CITY Standard Details Roadway Improvements Utility Trench Patch Scale: N.T.S. Detail No. 200

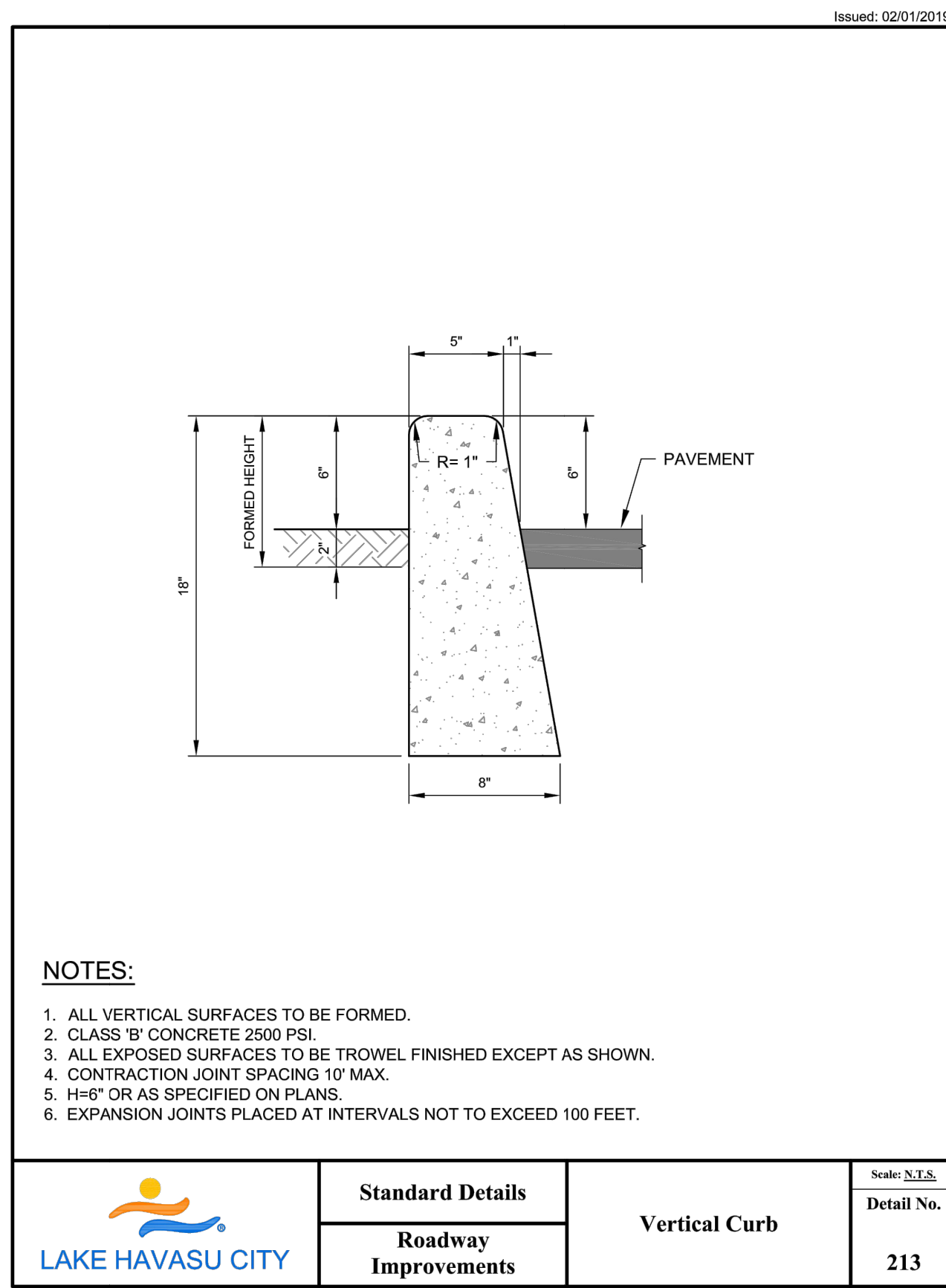


STREET	STANDARD SECTION				W SECTION				V SECTION			
	A (MIN)	B	C	D	A (MIN)	B	C	D	A (MIN)	B	C	D
BOULEVARD	+1.5'	+1'	-6.5'	-4.25'	-7'	-6.5'	-1'	-4.25'	+14.25'	+14'	+5.5'	+4.25'
AVENUE	+2.5'	+2'	-5.5'	-3'	+8.75'	+8.25'	+0.75'	-3'	+13.25'	+13'	+5.25'	+3'
DRIVE	+2.75'	+2.25'	-5.25'	-3'	+8.25'	+7.75'	+0.25'	-3'	+12.75'	+12.5'	+5.25'	+3'
CUL-DE-SAC	+3.5'	+3'	-4.5'	-3'	N/A	N/A	N/A	N/A	+12.5'	+12'	+4.5'	+3'

- NOTES:**
1. ALL PAVEMENT WIDENINGS MUST INCLUDE CURBS.
 2. SEE DETAIL 213-216 FOR APPLICABLE CURB DETAIL.
 3. "V" SECTION ONLY ALLOWED WITH PRIOR APPROVAL BY THE ENGINEERING DIVISION.
 4. INDICATED CURBS, SIDEWALKS AND WIDENING MAY BE EITHER EXISTING OR FUTURE.
 5. SIDEWALK CROSS-SLOPE (BACK OF SIDEWALK TO CURB) TO BE 1% MIN / 2% MAX.

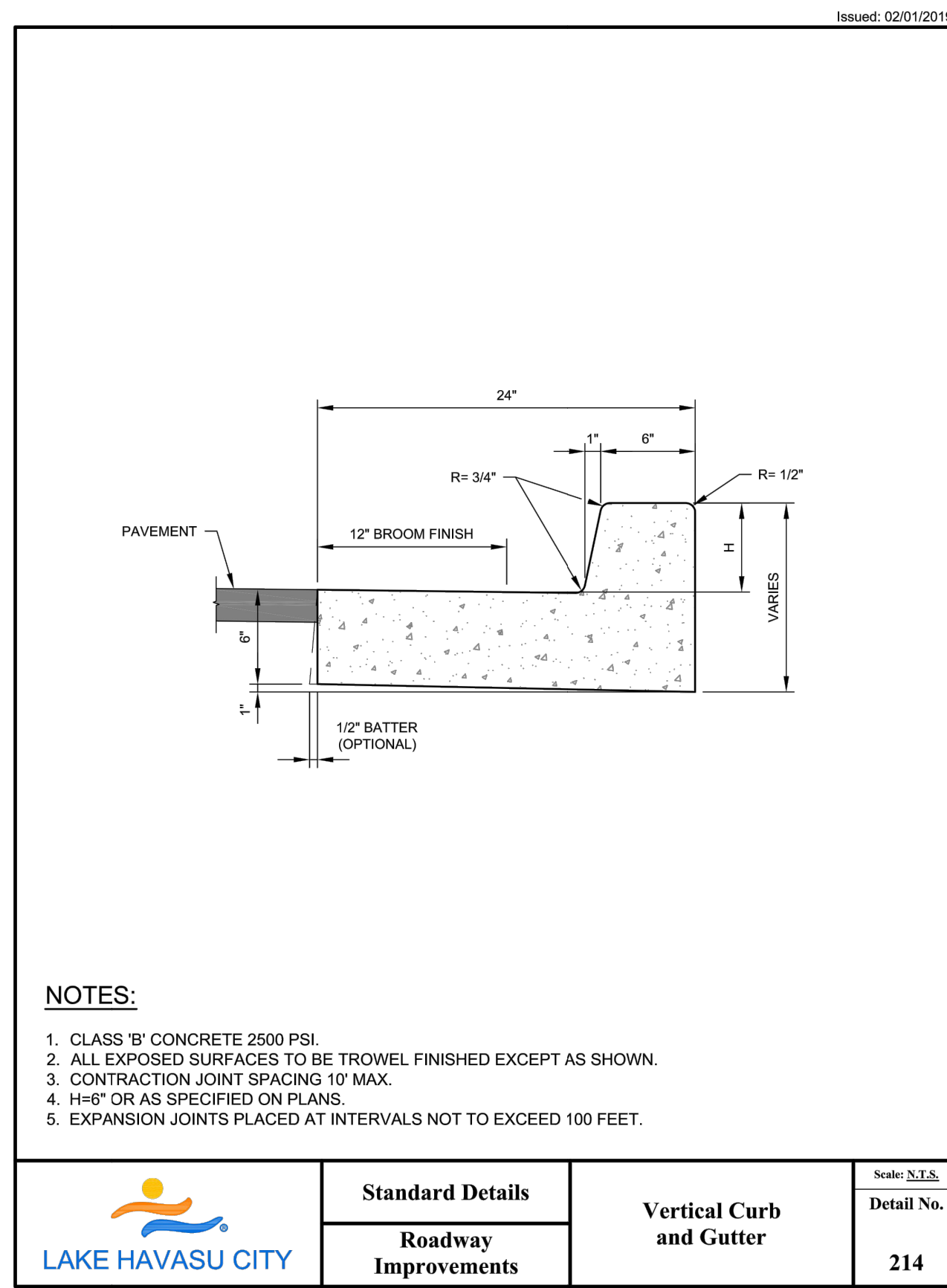
- SPECIAL NOTES:**
1. ENGINEERING DIVISION TO DETERMINE STREET CROSS-SECTION.
 2. MINIMUM ELEVATION AT PROPERTY LINE ALONG ENTIRE FRONTAGE OF LOT TO BE IN ACCORDANCE WITH ELEVATION 'A'.

LAKE HAVASU CITY Standard Details Roadway Improvements Standard Sections of Streets & Sidewalks Scale: N.T.S. Detail No. 203B



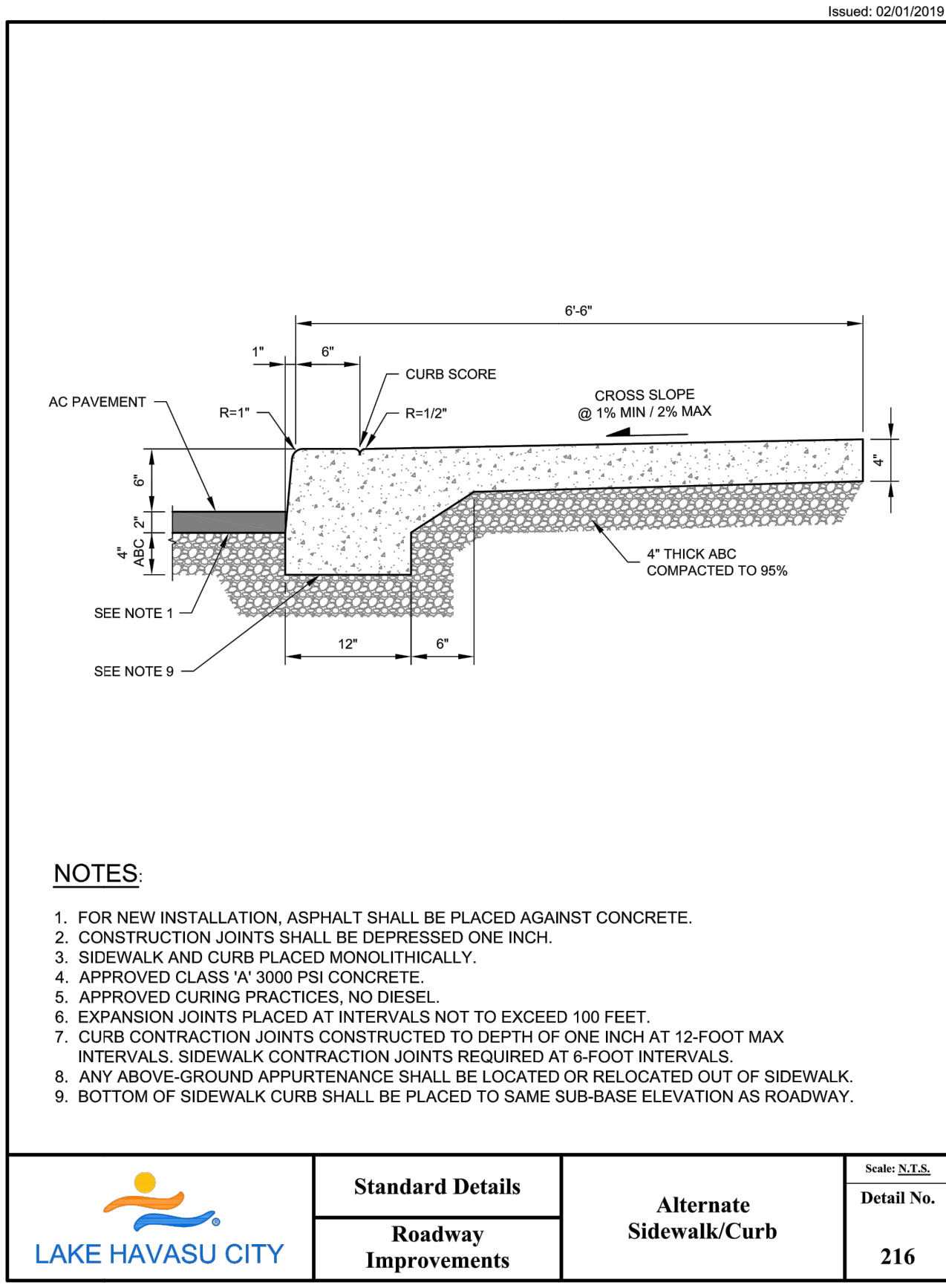
- NOTES:**
1. ALL VERTICAL SURFACES TO BE FORMED.
 2. CLASS 'B' CONCRETE 2500 PSI.
 3. ALL EXPOSED SURFACES TO BE TROWEL FINISHED EXCEPT AS SHOWN.
 4. CONTRACTION JOINT SPACING 10' MAX.
 5. H=6\"/>

LAKE HAVASU CITY Standard Details Roadway Improvements Vertical Curb Scale: N.T.S. Detail No. 213



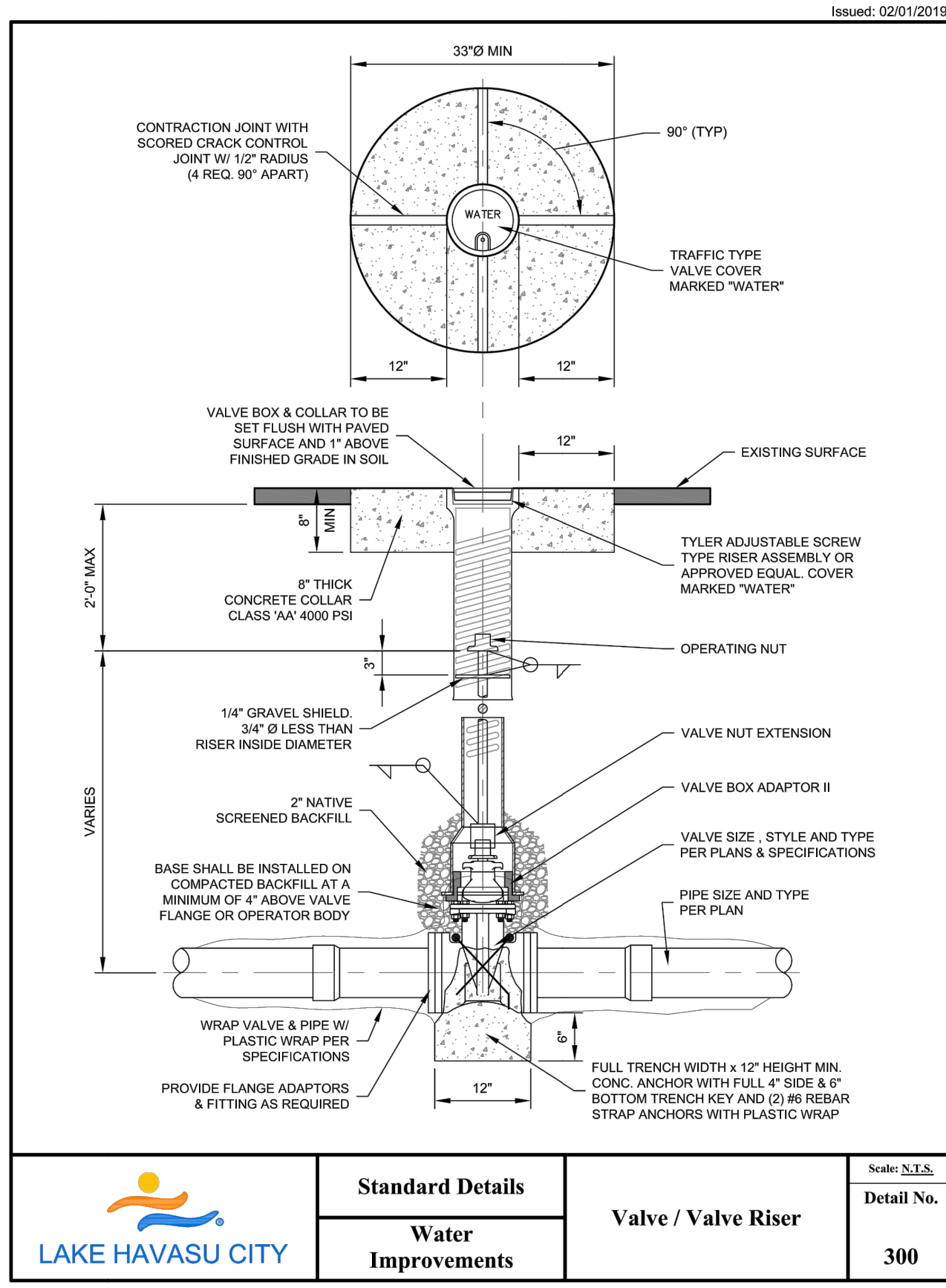
- NOTES:**
1. CLASS 'B' CONCRETE 2500 PSI.
 2. ALL EXPOSED SURFACES TO BE TROWEL FINISHED EXCEPT AS SHOWN.
 3. CONTRACTION JOINT SPACING 10' MAX.
 4. H=6\"/>

LAKE HAVASU CITY Standard Details Roadway Improvements Vertical Curb and Gutter Scale: N.T.S. Detail No. 214



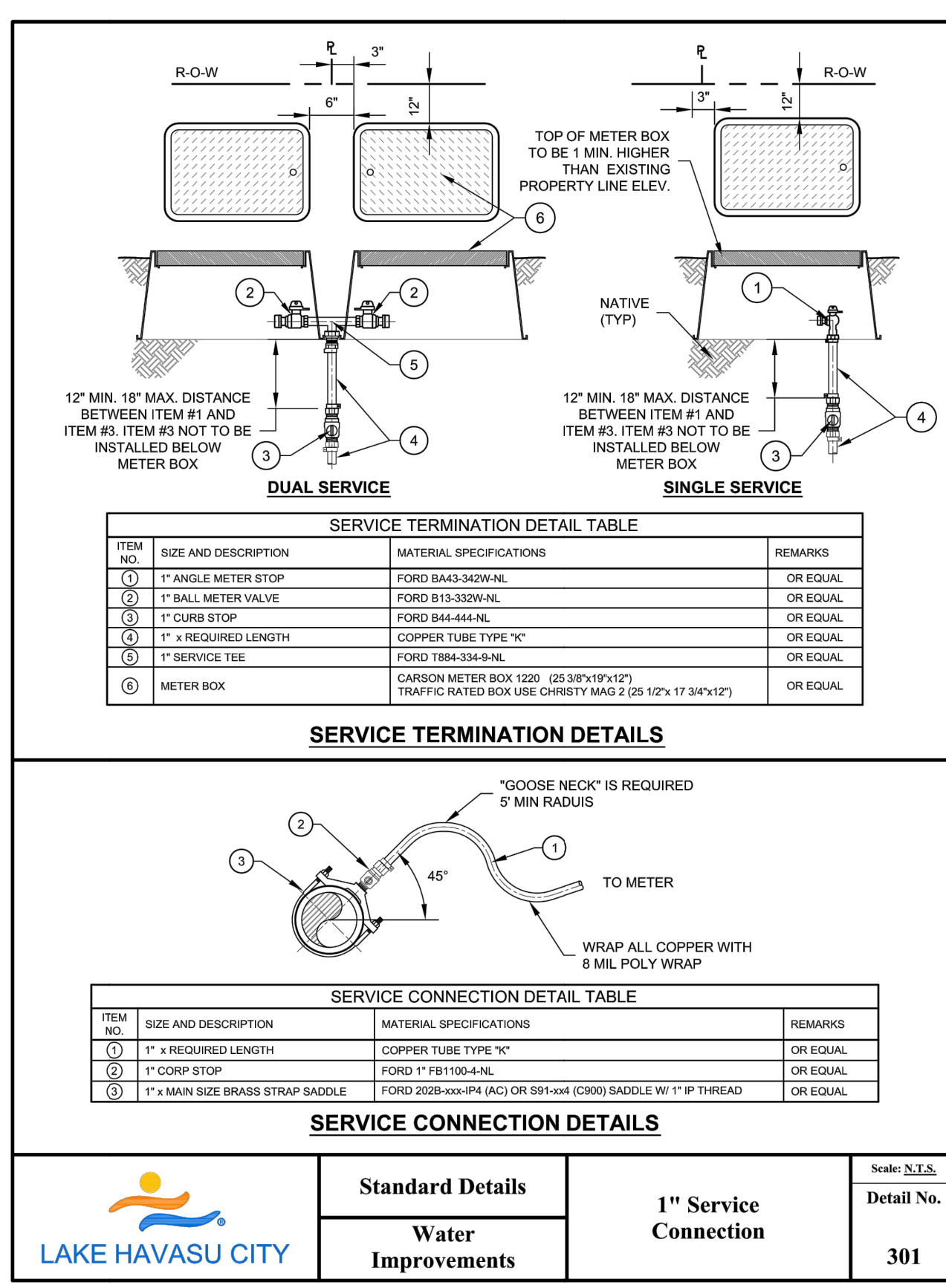
- NOTES:**
1. FOR NEW INSTALLATION, ASPHALT SHALL BE PLACED AGAINST CONCRETE.
 2. CONSTRUCTION JOINTS SHALL BE DEPRESSED ONE INCH.
 3. SIDEWALK AND CURB PLACED MONOLITHICALLY.
 4. APPROVED CLASS 'A' 3000 PSI CONCRETE.
 5. APPROVED CURING PRACTICES, NO DIESEL.
 6. EXPANSION JOINTS PLACED AT INTERVALS NOT TO EXCEED 100 FEET.
 7. CURB CONTRACTION JOINTS CONSTRUCTED TO DEPTH OF ONE INCH AT 12-FOOT MAX INTERVALS. SIDEWALK CONTRACTION JOINTS REQUIRED AT 6-FOOT INTERVALS.
 8. ANY ABOVE-GROUND APPURTENANCE SHALL BE LOCATED OR RELOCATED OUT OF SIDEWALK.
 9. BOTTOM OF SIDEWALK CURB SHALL BE PLACED TO SAME SUB-BASE ELEVATION AS ROADWAY.

LAKE HAVASU CITY Standard Details Roadway Improvements Alternate Sidewalk/Curb Scale: N.T.S. Detail No. 216



- NOTES:**
1. VALVE BOX & COLLAR TO BE SET FLUSH WITH PAVED SURFACE AND 1\"/>

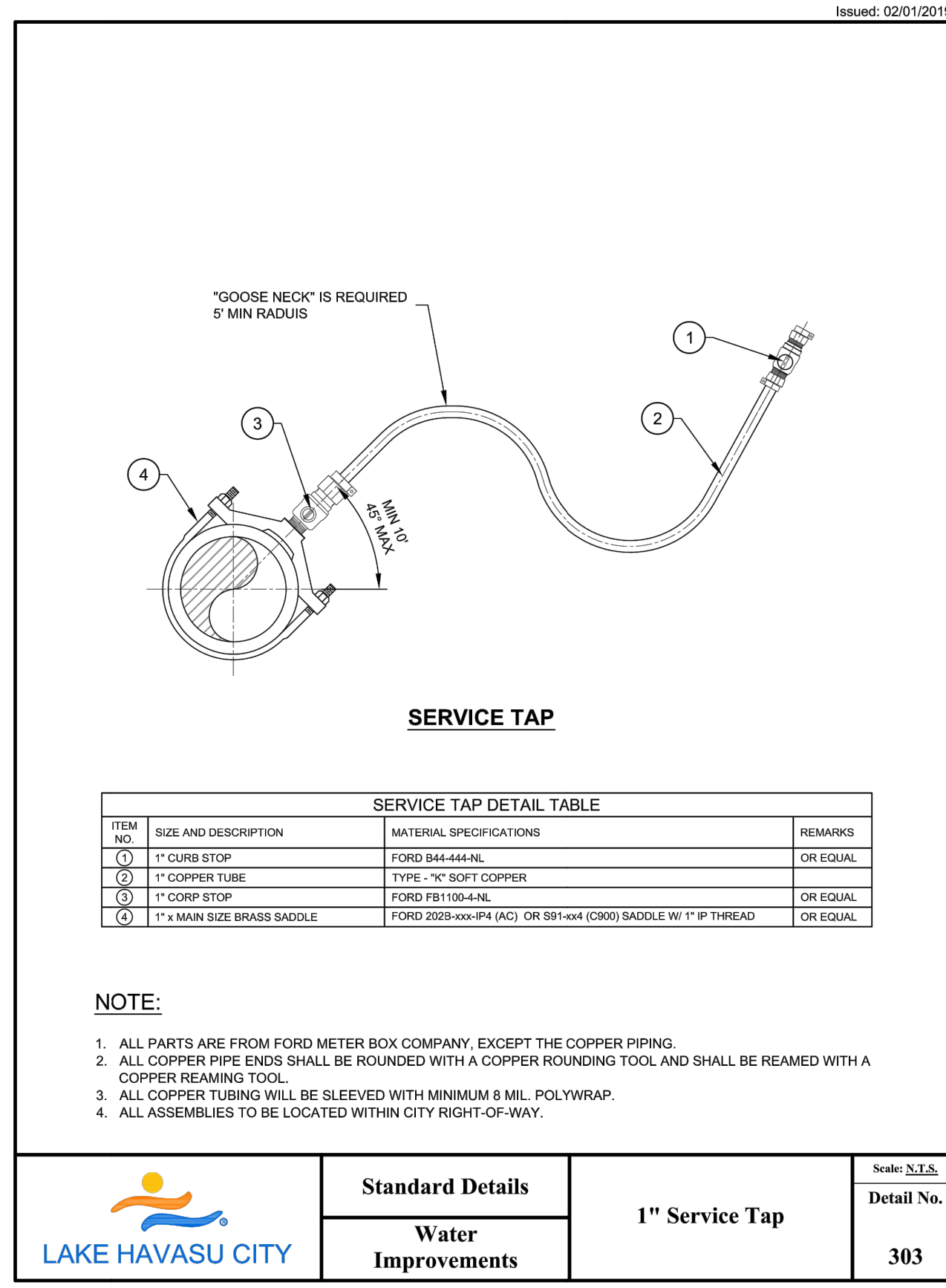
LAKE HAVASU CITY Standard Details Water Improvements Valve / Valve Riser Scale: N.T.S. Detail No. 300



ITEM NO.	SIZE AND DESCRIPTION	MATERIAL SPECIFICATIONS	REMARKS
1	1\"/>		

ITEM NO.	SIZE AND DESCRIPTION	MATERIAL SPECIFICATIONS	REMARKS
1	1\"/>		

LAKE HAVASU CITY Standard Details Water Improvements 1\"/>



ITEM NO.	SIZE AND DESCRIPTION	MATERIAL SPECIFICATIONS	REMARKS
1	1\"/>		

- NOTE:**
1. ALL PARTS ARE FROM FORD METER BOX COMPANY, EXCEPT THE COPPER PIPING.
 2. ALL COPPER PIPE ENDS SHALL BE ROUNDED WITH A COPPER ROUNDOFF TOOL AND SHALL BE REAMED WITH A COPPER REAMING TOOL.
 3. ALL COPPER TUBING WILL BE SLEEVED WITH MINIMUM 8 MIL. POLYWRAP.
 4. ALL ASSEMBLIES TO BE LOCATED WITHIN CITY RIGHT-OF-WAY.

LAKE HAVASU CITY Standard Details Water Improvements 1\"/>

LAKE HAVASU CITY

NO.	REVISIONS / SUBMISSIONS	DATE

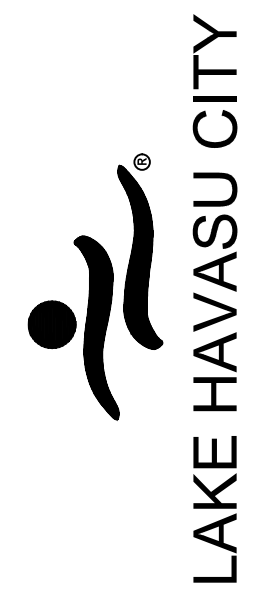
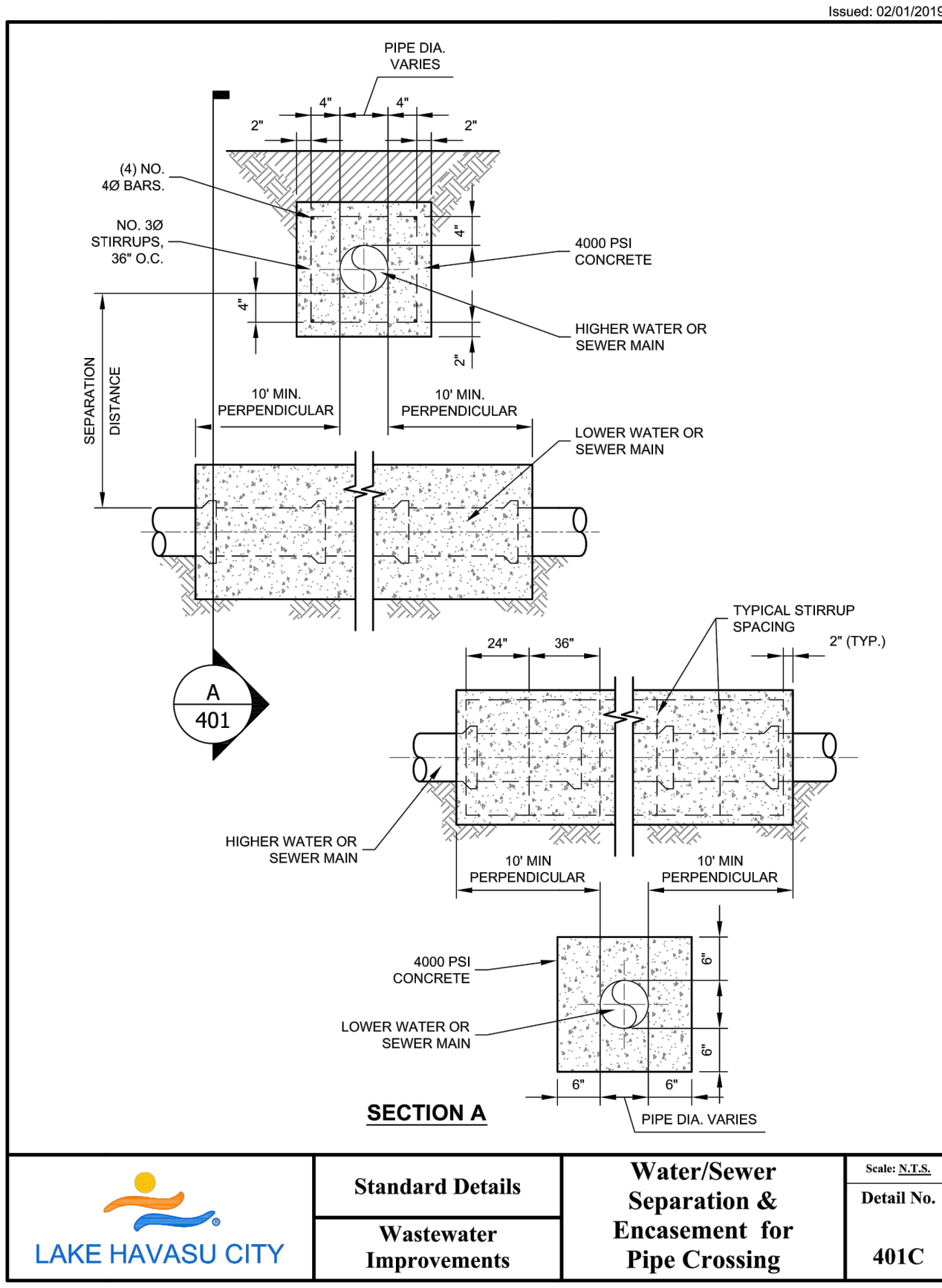
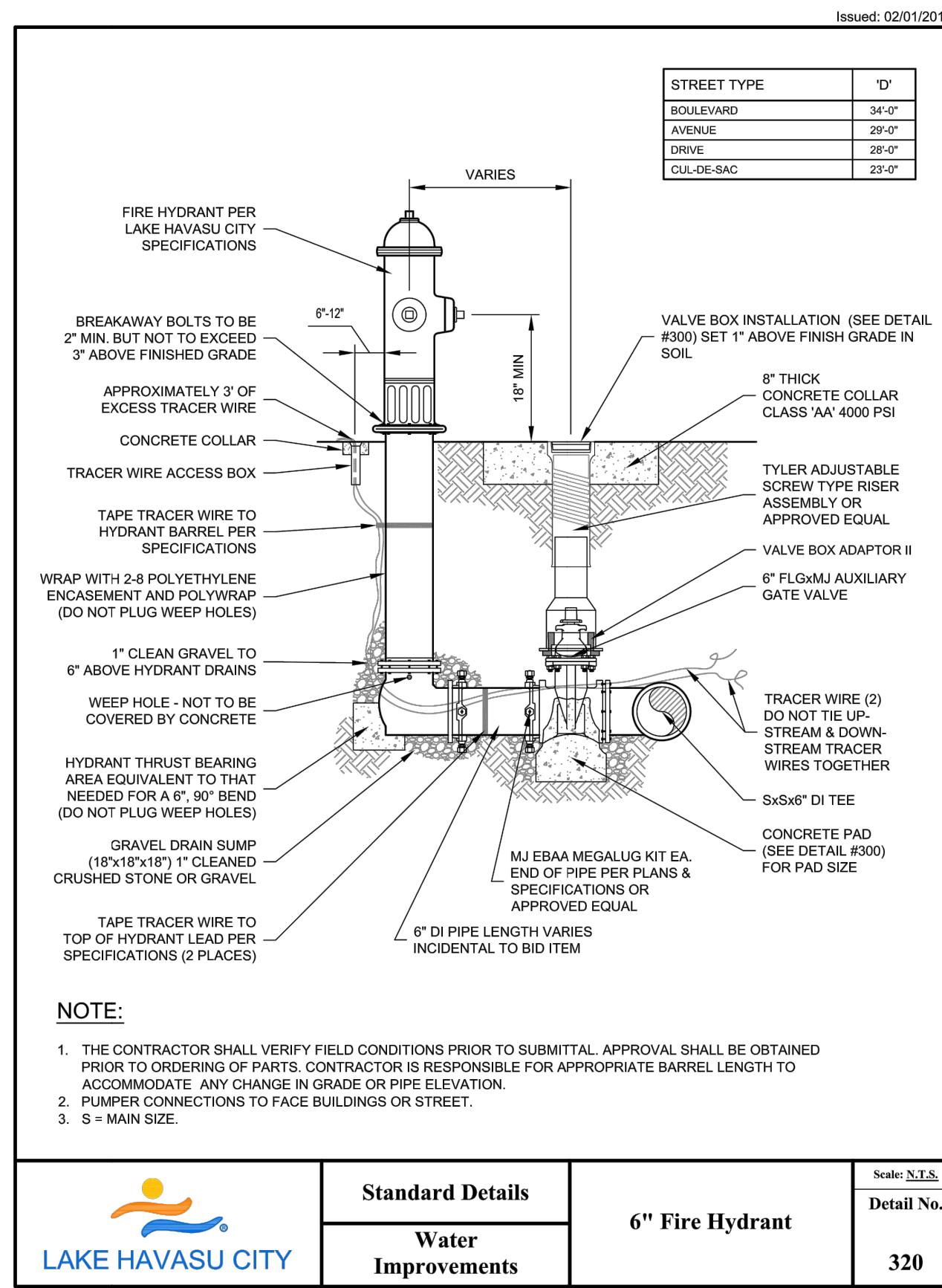
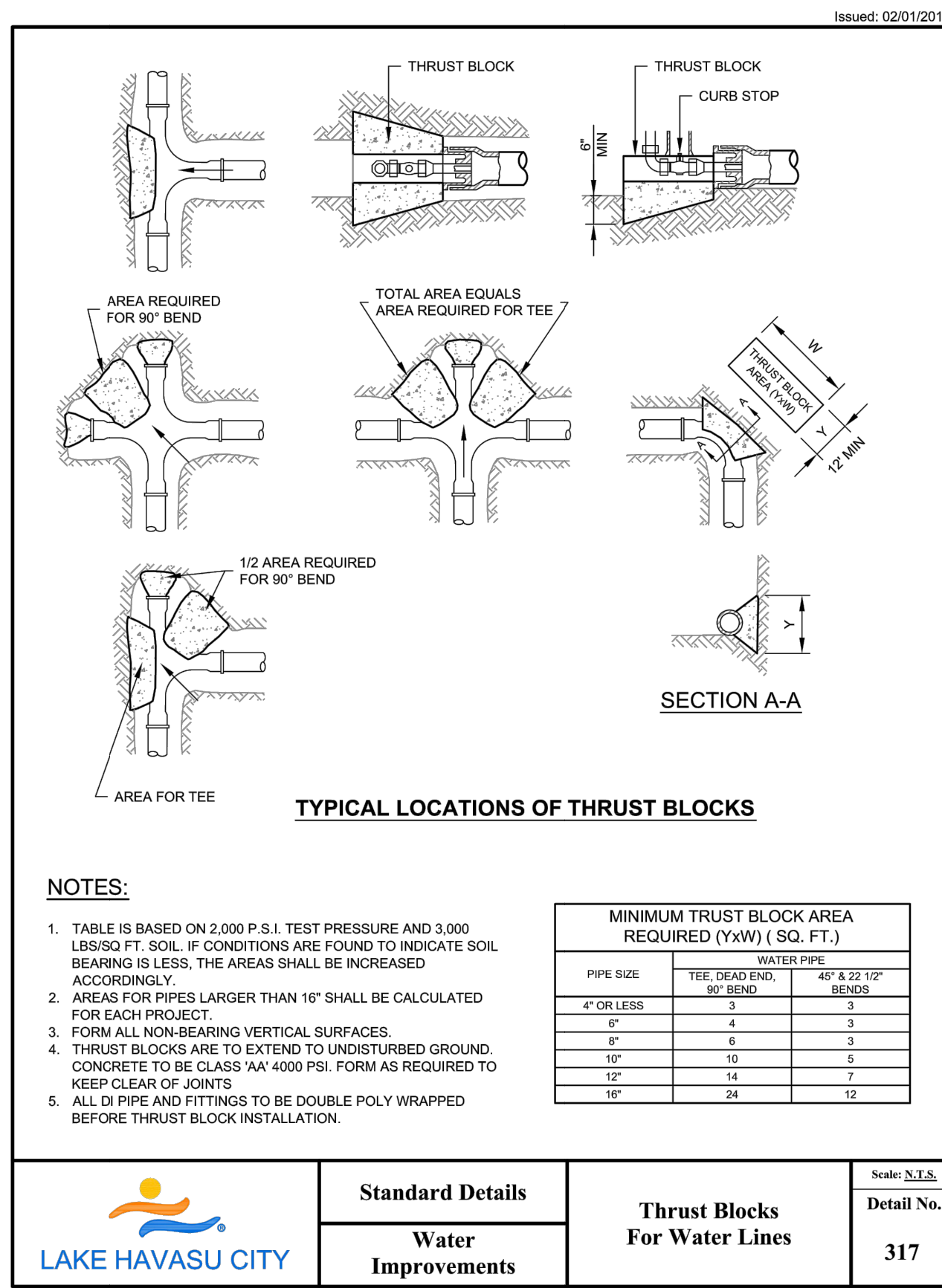
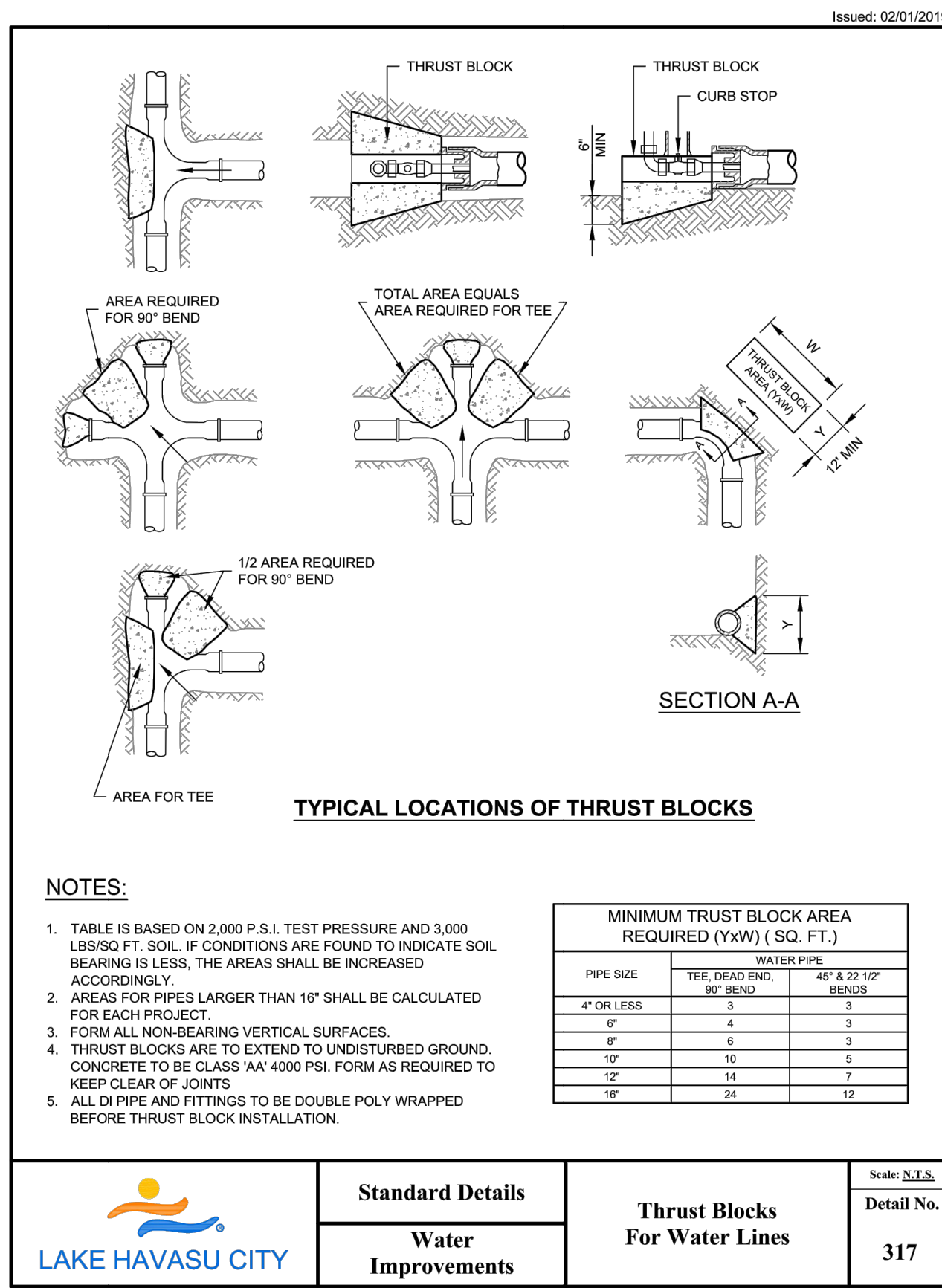
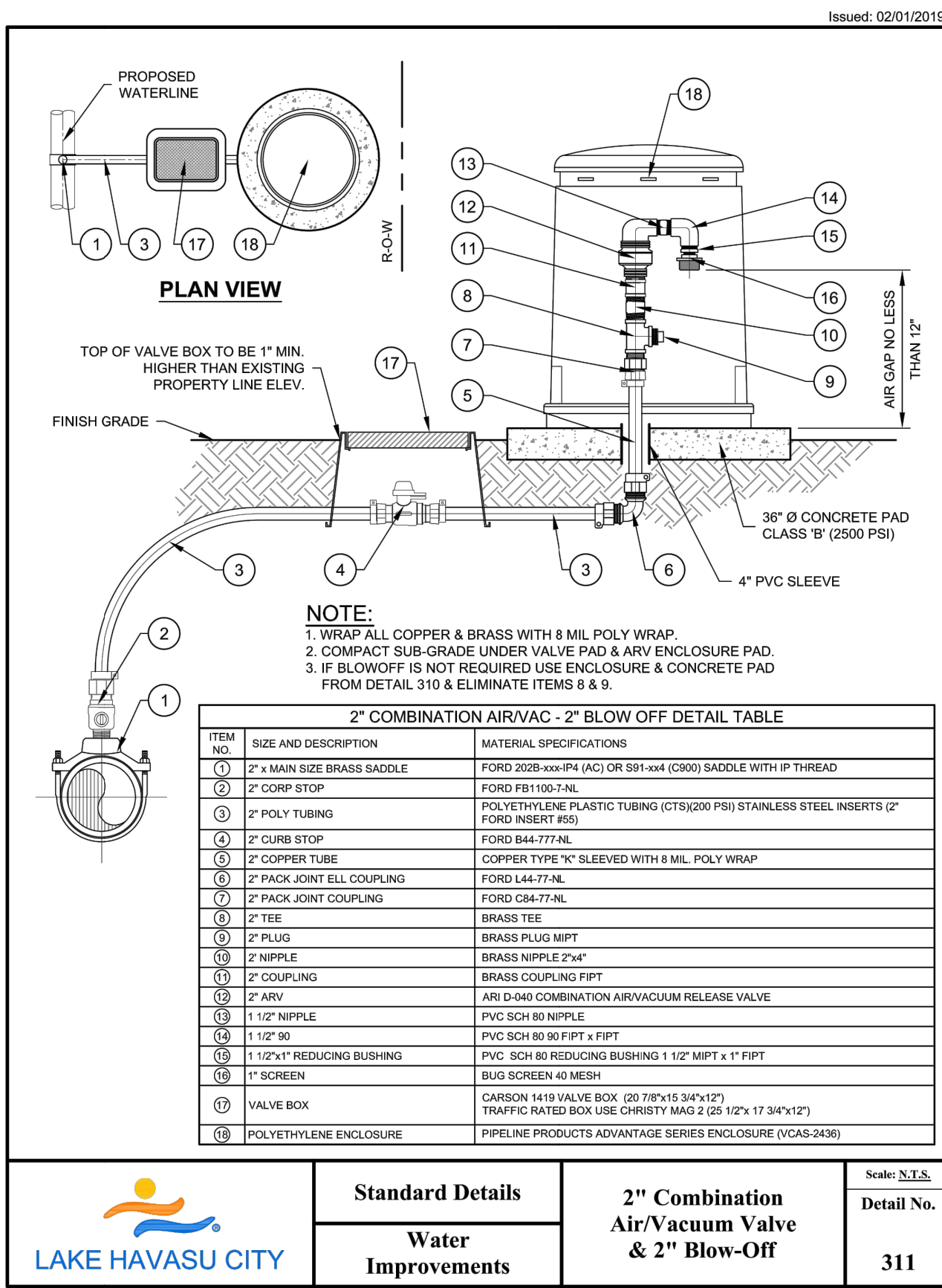
LAKE HAVASU CITY
CITY CORE PAVING RECONSTRUCTION

Designed by: JRW
 Drawn by: JWL
 Checked by: ACB
 Date: 09/08/23
 Dwg scale: N/A

DETAILS

Sheet Number:
DT01

Sheet 05 OF 41



NO.	#	#	#	#
REVISIONS / SUBMISSIONS				
DATE				

LAKE HAVASU CITY
CITY CORE PAVING RECONSTRUCTION

Designed by: JRW
 Drawn by: JWL
 Checked by: ACB
 Date: 09/08/23
 Dwg. scale: N/A

DETAILS



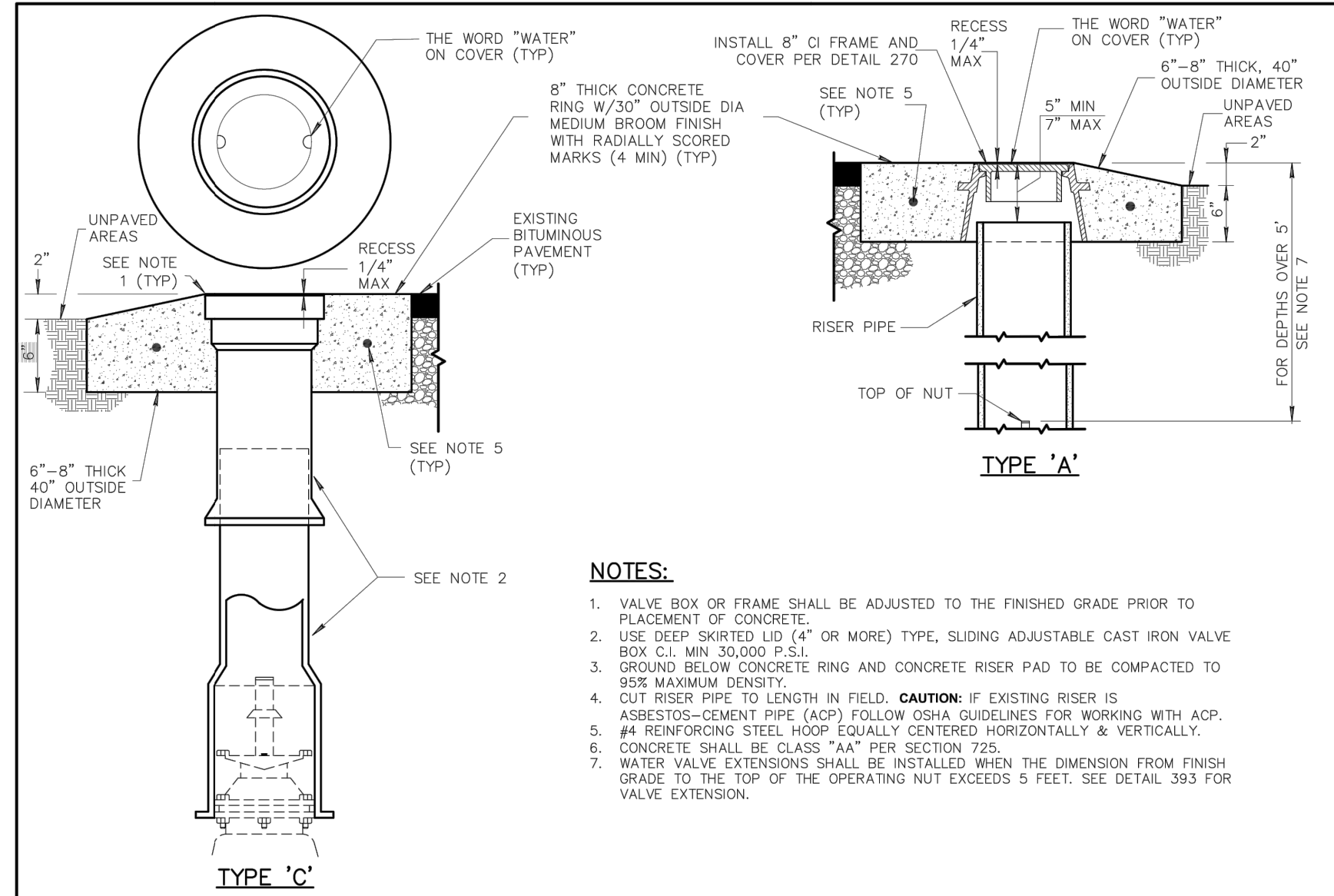
Sheet Number:
 DT02
 Sheet 06 OF 41

NOMINAL PIPE SIZE INCHES	RESTRAINED LENGTHS, LR, FOR DUCTILE IRON PIPE											DEAD ENDS	
	HORIZONTAL BENDS			TEES		VERTICAL OFFSETS							
	90°	45°	22-1/2°	LRN=0°	LRN=10°	90° BEND FITTINGS DOWN BEND	45° BEND FITTINGS UP BEND	22-1/2° BEND FITTINGS DOWN BEND	45° BEND FITTINGS UP BEND	22-1/2° BEND FITTINGS DOWN BEND	45° BEND FITTINGS UP BEND		
4	18	7	4	30	9	31	18	13	7	6	3	31	
6	25	10	5	43	13	20	44	25	18	10	9	5	44
8	32	13	6	56	34	58	32	24	13	11	6	58	
10	38	16	8	68	45	69	38	29	16	14	8	69	
12	45	19	9	80	57	81	45	34	19	16	9	81	
14	51	21	10	91	65	92	51	38	21	18	10	92	
16	57	24	11	103	79	104	57	43	24	21	11	104	
18	62	26	12	113	90	115	62	48	26	23	12	115	
20	68	28	14	125	100	126	68	52	28	25	14	126	
24	79	33	16	145	121	147	79	61	33	29	16	147	

NOMINAL PIPE SIZE INCHES	RESTRAINED LENGTHS, LR, FOR DUCTILE IRON WITH POLYETHYLENE WRAP AND PVC PIPE											DEAD ENDS
	HORIZONTAL BENDS			TEES		VERTICAL OFFSETS						
	90°	45°	22-1/2°	LRN=0°	LRN=10°	90° BEND FITTINGS DOWN BEND	45° BEND FITTINGS UP BEND	22-1/2° BEND FITTINGS DOWN BEND	45° BEND FITTINGS UP BEND	22-1/2° BEND FITTINGS DOWN BEND	45° BEND FITTINGS UP BEND	
4	26	11	5	69	18	72	26	30	11	14	5	72
6	36	15	7	99	27	102	36	42	15	20	7	102
8	47	19	9	130	38	133	47	55	19	26	9	133
10	56	23	11	157	50	159	56	66	23	32	11	159
12	65	27	13	185	63	187	65	77	27	37	13	187
14	74	31	15	211	76	214	74	89	31	42	15	214
16	82	34	16	238	89	241	82	100	34	48	16	241
18	90	37	18	263	102	266	90	110	37	53	18	266
20	98	41	20	289	115	292	98	121	41	58	20	292
24	113	47	22	337	138	340	113	141	47	68	22	340

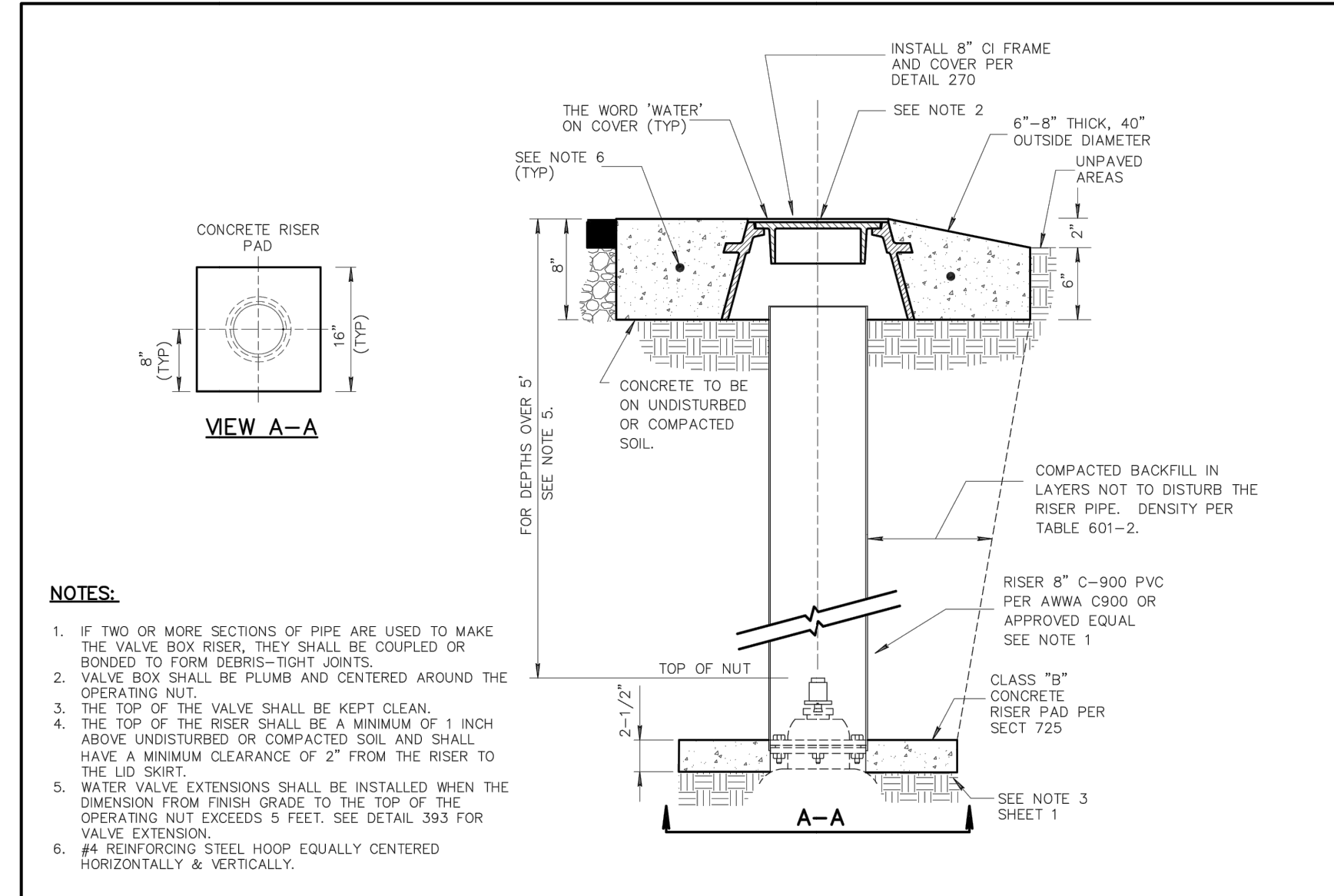
- NOTES:**
- ALL JOINTS WITHIN THE SPECIFIED LENGTH LR MUST BE RESTRAINED. ALL LENGTHS ARE GIVEN IN FEET.
 - THE MAXIMUM TEST PRESSURE SHALL NOT EXCEED 200 PSI.
 - THE MINIMUM DEPTH OF BURY SHALL BE 3' TO TOP OF PIPE.
 - RESTRAINED LENGTHS MAY BE REDUCED WHEN SUPPORTED BY ENGINEERING CALCULATIONS.

DETAIL NO. **303-2** MARICOPA ASSOCIATION OF GOVERNMENTS STANDARD DETAIL ENGLISH JOINT RESTRAINT FOR DUCTILE IRON, POLYETHYLENE WRAPPED DUCTILE IRON AND PVC WATER PIPES REVISED 01-01-2019 DETAIL NO. **303-2**



- NOTES:**
- VALVE BOX OR FRAME SHALL BE ADJUSTED TO THE FINISHED GRADE PRIOR TO PLACEMENT OF CONCRETE.
 - USE DEEP SKIRTED LID (4" OR MORE) TYPE, SLIDING ADJUSTABLE CAST IRON VALVE BOX C.I. MIN. 30,000 P.S.I.
 - GROUND BELOW CONCRETE RING AND CONCRETE RISER PAD TO BE COMPACTED TO 95% MAXIMUM DENSITY.
 - CUT RISER PIPE TO LENGTH IN FIELD. **CAUTION:** IF EXISTING RISER IS ASBESTOS-CEMENT PIPE (ACP) FOLLOW OSHA GUIDELINES FOR WORKING WITH ACP.
 - #4 REINFORCING STEEL HOOP EQUALLY CENTERED HORIZONTALLY & VERTICALLY.
 - CONCRETE SHALL BE CLASS "AA" PER SECTION 725.
 - WATER VALVE EXTENSIONS SHALL BE INSTALLED WHEN THE DIMENSION FROM FINISH GRADE TO THE TOP OF THE OPERATING NUT EXCEEDS 5 FEET. SEE DETAIL 393 FOR VALVE EXTENSION.

DETAIL NO. **391-1** MARICOPA ASSOCIATION OF GOVERNMENTS STANDARD DETAIL ENGLISH VALVE BOX INSTALLATION AND GRADE ADJUSTMENT REVISED 01-01-2023 DETAIL NO. **391-1**

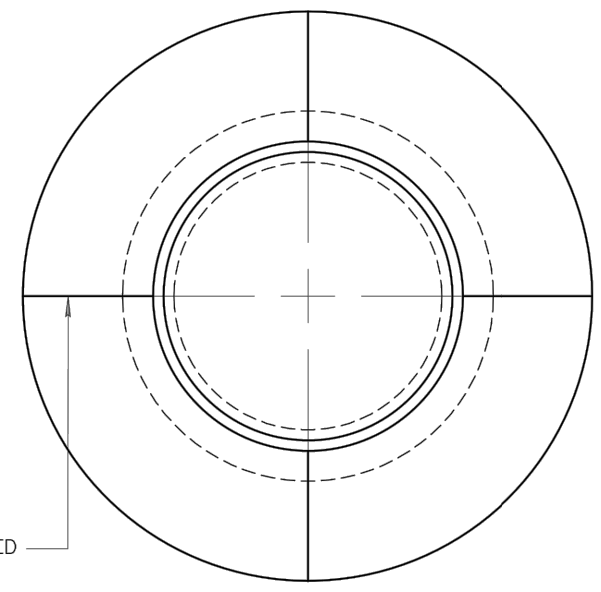


- NOTES:**
- IF TWO OR MORE SECTIONS OF PIPE ARE USED TO MAKE THE VALVE BOX RISER, THEY SHALL BE COUPLED OR BONDED TO FORM DEBRIS-TIGHT JOINTS.
 - VALVE BOX SHALL BE PLUMB AND CENTERED AROUND THE OPERATING NUT.
 - THE TOP OF THE VALVE SHALL BE KEPT CLEAN.
 - THE TOP OF THE RISER SHALL BE A MINIMUM OF 1 INCH ABOVE UNDISTURBED OR COMPACTED SOIL AND SHALL HAVE A MINIMUM CLEARANCE OF 2" FROM THE RISER TO THE LID SKIRT.
 - WATER VALVE EXTENSIONS SHALL BE INSTALLED WHEN THE DIMENSION FROM FINISH GRADE TO THE TOP OF THE OPERATING NUT EXCEEDS 5 FEET. SEE DETAIL 393 FOR VALVE EXTENSION.
 - #4 REINFORCING STEEL HOOP EQUALLY CENTERED HORIZONTALLY & VERTICALLY.

DETAIL NO. **391-2** MARICOPA ASSOCIATION OF GOVERNMENTS STANDARD DETAIL ENGLISH VALVE BOX INSTALLATION AND GRADE ADJUSTMENT REVISED 01-01-2023 DETAIL NO. **391-2**

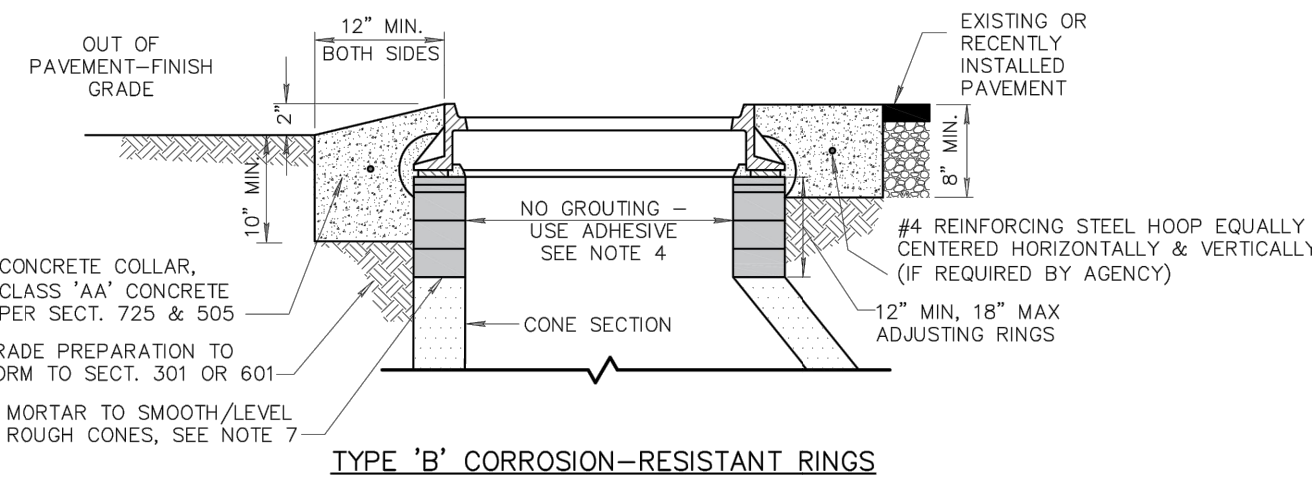
NOTES (TYPE 'B'):

- CONTRACTORS SHALL ADJUST ALL MANHOLE RINGS AND COVERS, INCLUDING MANHOLES OUTSIDE OF THE PAVEMENT.
- ADJUSTMENT SHALL BE CONSTRUCTED PER MAG SECTION 345.
- ADJUSTMENT RINGS PER AGENCY LIST OF APPROVED PRODUCTS. USE ONLY APPROVED FLAT OR SLOPED SPACER RINGS AS REQUIRED. NO OTHER SPACERS OF ANY KIND ALLOWED INCLUDING GROUT, ROCKS, STICKS, WOOD SHIMS, BRICK ETC.
- INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURE'S RECOMMENDATION INCLUDING ADHESIVE AND APPLICATION OF ADHESIVE BETWEEN EACH RING, THE CONE AND BOTTOM RING, AND FRAME & COVER AND TOP RING. ADHESIVE SHALL MEET VACUUM TESTING REQUIREMENTS.



NOTES (CONT):

- ADJUSTMENT RINGS SHALL NOT BE MIXED IN SAME MANHOLE.
- CARE SHALL BE TAKEN TO ENSURE NO SHIFTING OF RINGS, AND FRAME & COVER OCCURS WITH BACKFILLING AND CONCRETE COLLAR INSTALLATION.
- CORROSION PROTECTIVE COATING PER SECTION 626 SHALL BE APPLIED TO ALL EXPOSED MORTAR.
- FIBERGLASS MANHOLES WITH NECKS REQUIRE 32" TRANSITION AND SPACER RINGS TO ENSURE NO WEIGHT IS ON NECK. 12" MIN. 18" MAX ADJUSTING RINGS MEASURED ABOVE MANHOLE NECK.



DETAIL NO. **422-2** MARICOPA ASSOCIATION OF GOVERNMENTS STANDARD DETAIL ENGLISH MANHOLE FRAME AND COVER ADJUSTMENT REVISED 01-01-2022 DETAIL NO. **422-2**

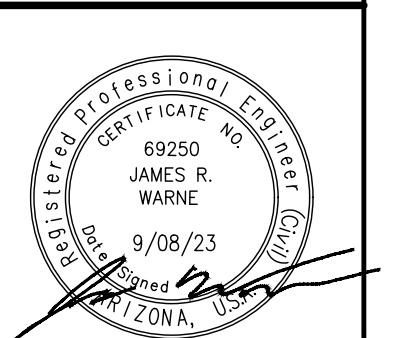


NO.	REVISIONS / SUBMISSIONS	DATE
#	-	-
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LAKE HAVASU CITY
CITY CORE PAVING RECONSTRUCTION

Designed by: JRW
 Drawn by: JWL
 Checked by: ACB
 Date: 09/08/23
 Dwg scale: N/A

DETAILS

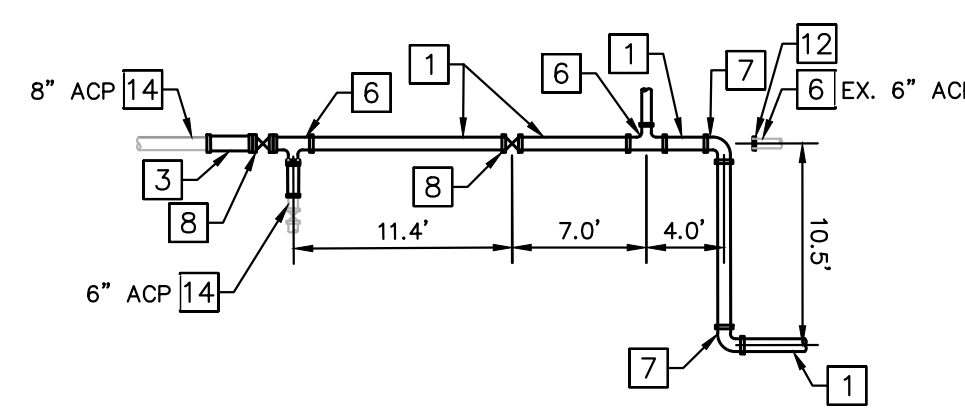


Sheet Number:
DT03
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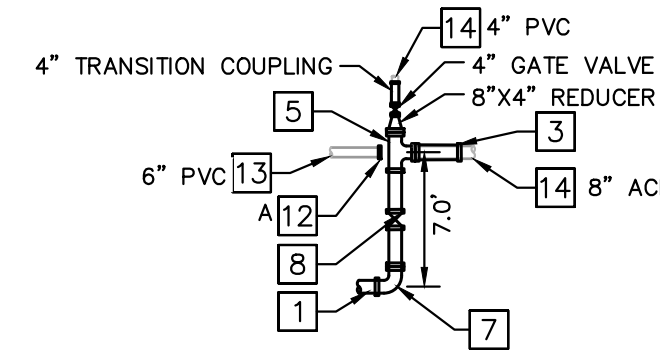
MATERIAL SCHEDULE

- 1 INSTALL 8" C-900 DR14 PVC PIPE
- 2 INSTALL 6" C-900 DR14 PVC PIPE
- 3 8" TRANSITION COUPLING
- 4 6" TRANSITION COUPLING
- 5 8" DI TEE WITH RESTRAINED JOINT
- 6 8x6" DI TEE WITH RESTRAINED JOINT
- 7 8" 90° DI TEE WITH RESTRAINED JOINT
- 8 8" DI GATE VALVE W/ NUT OPR & VALVE BOX
- 9 6" DI GATE VALVE W/ NUT OPR & VALVE BOX
- 10 12" DI CAP DENOTED WITH AN "A" OR "P" ON CONNECTION DETAIL
- 11 8" DI CAP DENOTED WITH AN "A" OR "P" ON CONNECTION DETAIL
- 12 6" DI CAP DENOTED WITH AN "A" OR "P" ON CONNECTION DETAIL
- 13 EXISTING WATER TO BE ABANDONED
- 14 EXISTING WATER TO REMAIN

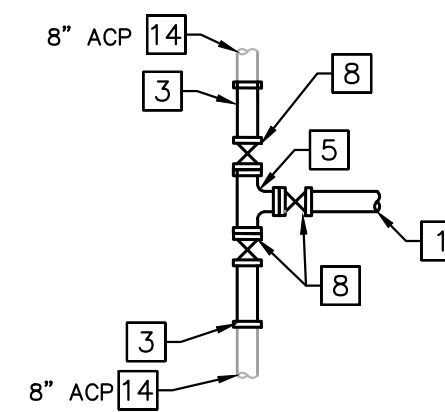
NOTE: ALL FITTINGS/VALVES THAT ABUT ONE ANOTHER SHALL HAVE A FOSTER JOINT BETWEEN EACH



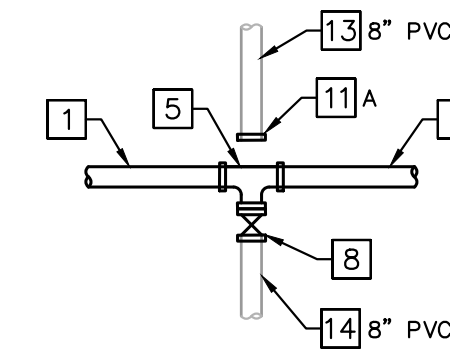
WATERLINE CONNECTION DETAIL "A"
SCALE: NTS



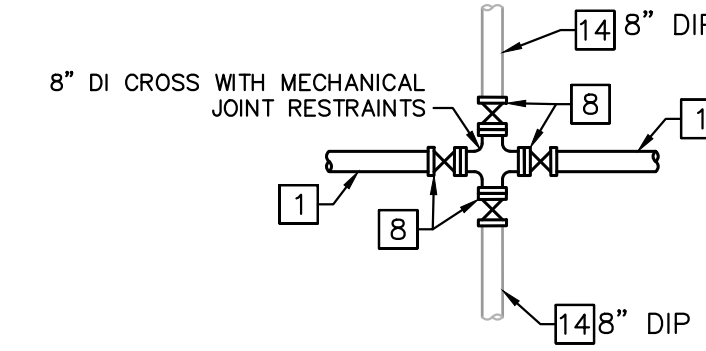
WATERLINE CONNECTION DETAIL "B"
SCALE: NTS



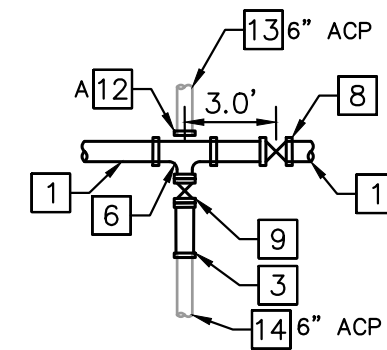
WATERLINE CONNECTION DETAIL "C"
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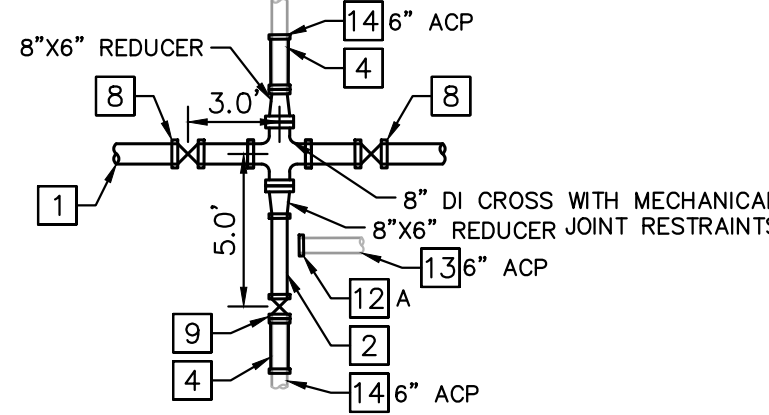
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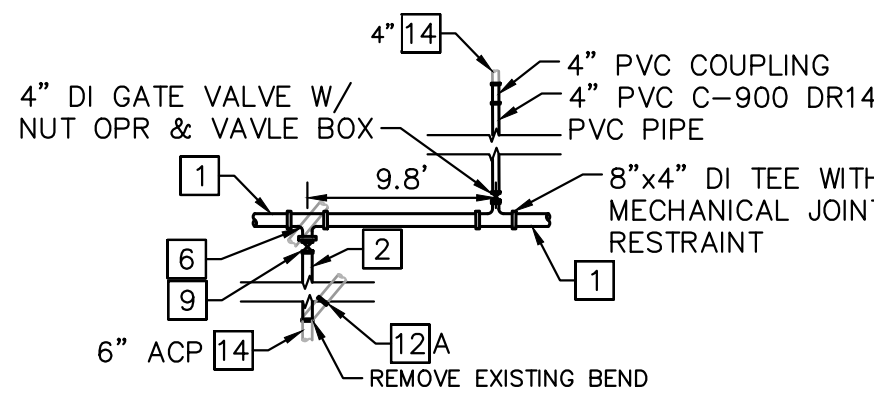
WATERLINE CONNECTION DETAIL "E"
SCALE: NTS



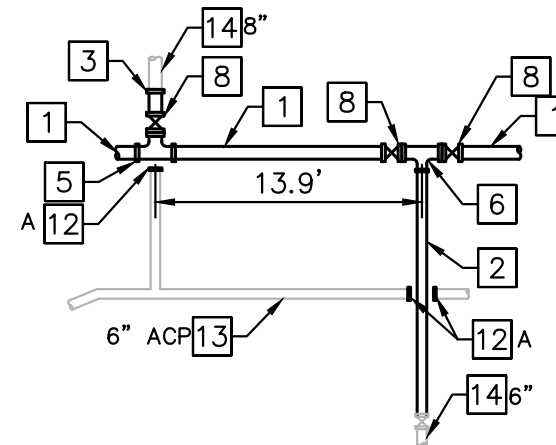
WATERLINE CONNECTION DETAIL "F"
SCALE: NTS



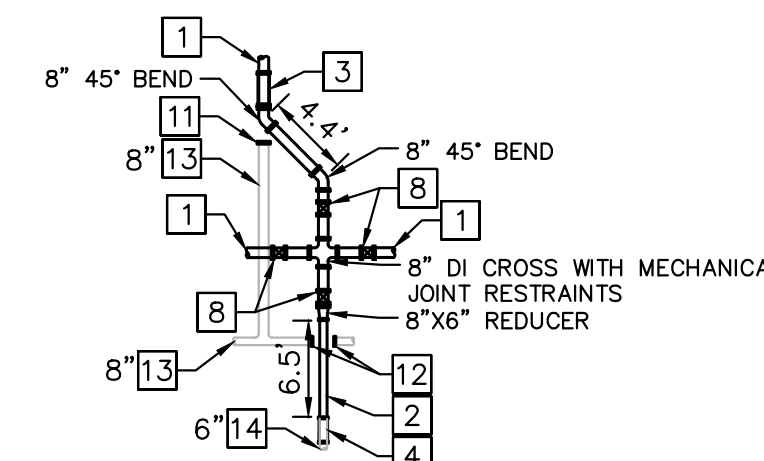
WATERLINE CONNECTION DETAIL "G"
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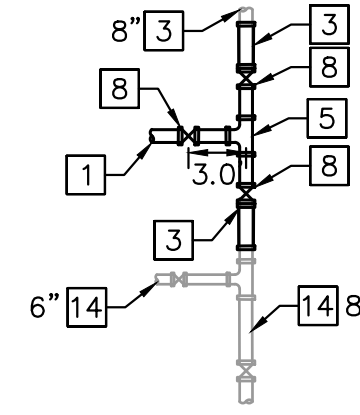
WATERLINE CONNECTION DETAIL "H"
SCALE: NTS



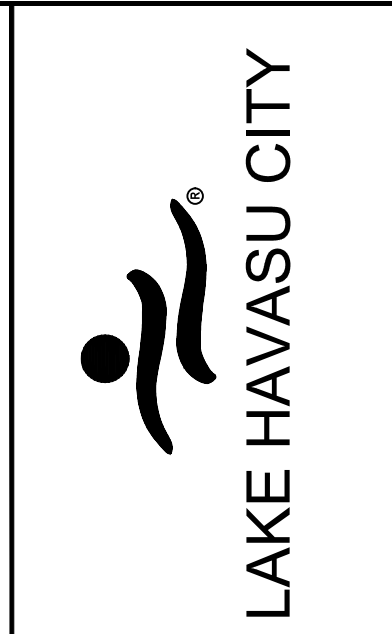
WATERLINE CONNECTION DETAIL "I"
SCALE: NTS



WATERLINE CONNECTION DETAIL "J"
SCALE: NTS



WATERLINE CONNECTION DETAIL "K"
SCALE: NTS

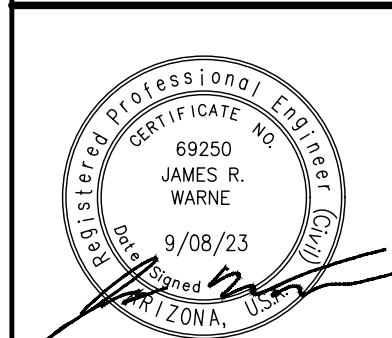


NO.	REVISIONS / SUBMISSIONS	DATE

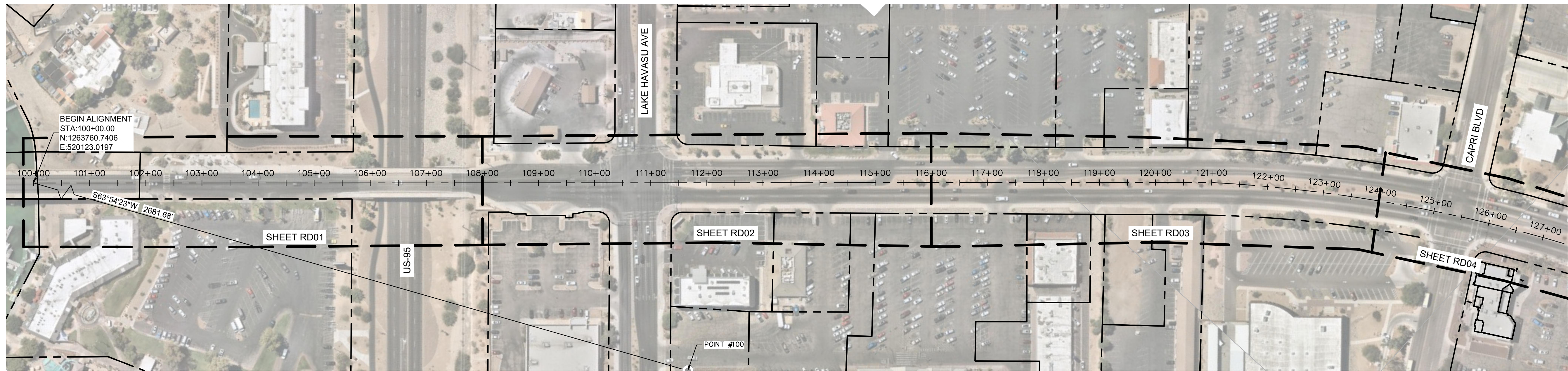
LAKE HAVASU CITY
CITY CORE PAVING RECONSTRUCTION

Designed by: JRW
 Drawn by: JWL
 Checked by: ACB
 Date: 09/08/23
 Dwg scale: N/A

DETAILS



FILE NAME&PATH: K:\PRS_ROADWAY\191245016 - LHC CITY CORE PAVING\CADD\SHEETS\HC01.DWG



MATCHLINE STA. 127+50 SEE BELOW LEFT

MCCULLOCH BOULEVARD
SCALE 1" = 100'



REFERENCE BENCHMARK:
100 559.43' (RLF CONSULTING)
NORTHING (Y) 1,264,940.25'
EASTING (X) 522,531.37'

AS SHOWN HEREON:
FOR THE PURPOSE OF THE TOPO SURVEY, AN ELEVATION OF 559.43 FEET WAS ESTABLISHED ON A 1/2" REBAR (POINT #100), LOCATED IN THE NORTHEAST PORTION OF AN EMPTY LOT SOUTHEAST OF THE CAPRI BLVD AND SWANSON AVE INTERSECTION. CONTOUR INTERVAL = 1.00'

THE FOLLOWING PARAMETERS WERE SET FOR THE BASIS OF THIS SURVEY:
SYSTEM: UNITED STATES STATE PLANE 1983
ZONE: ARIZONA WEST
GAF: 1.000053
HORIZONTAL DATUM: NAD 83/92
GEOID: ARIZONA GEOID 18
VERTICAL DATUM: NAVD 83
UNITS: INTERNATIONAL FEET
(1 FOOT = 0.3048 METERS EXACTLY)

A GROUND ADJUSTMENT FACTOR OF 1.000053 WAS UTILIZED FOR THIS PROJECT. ALL BEARINGS ARE GRID BEARINGS. DISTANCES ARE GROUND DISTANCES AND COORDINATES ARE GROUND COORDINATES.

A MODIFIED PLANE COORDINATE SYSTEM WAS UTILIZED TO OBTAIN GROUND DISTANCES, PROJECTED BY A TANGENT PLANE METHOD FROM THE ARIZONA COORDINATE SYSTEM, 1983, WEST ZONE, BY A COMBINED FACTOR (GRID-SCALE FACTOR MULTIPLIED BY ELEVATION FACTOR) OF 1.000053, ORIGINATING FROM:

POINT: 100 (RLF CONSULTING)
NORTHING (Y): 1,264,940.25'
EASTING (X): 522,531.37'

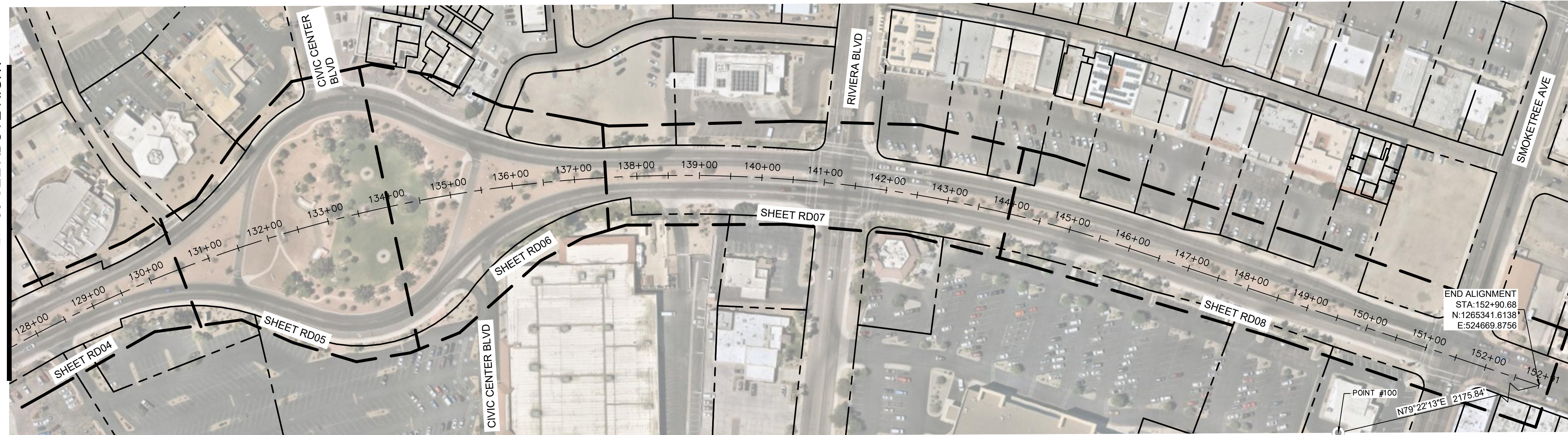
DIRECT MEASUREMENTS WERE MADE ON EACH POINT IN THE GEOCENTRIC COORDINATE SYSTEM OF WGS 84 AND AUTOMATIC TRANSLATIONS WERE MADE TO THE NORTH AMERICAN DATUM OF 1983 AND TO THE GROUND SCALED VERSION OF THE STATE PLANE GRID SYSTEM.

BASIS OF BEARINGS:
BEARINGS SHOWN HEREON ARE BASED UPON U.S. STATE PLANE NAD83 COORDINATE SYSTEM, ARIZONA STATE PLANE COORDINATE ZONE CENTRAL, DETERMINED BY GPS OBSERVATIONS COLLECTED DURING THIS SURVEY.

BASIS OF ELEVATIONS (BENCHMARK):
AN ELEVATION OF 559.43' WAS HELD ON A SET 1/2" REBAR.

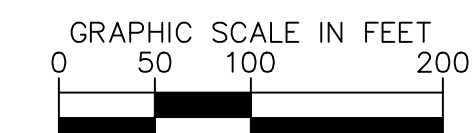
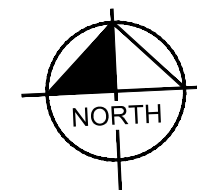
AERIAL CONTROL PANEL & PROJECT BENCHMARK POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
100	1264940.25	522531.37	559.43	RBR SET RBR 1/2IN

END ALIGNMENT
STA: 152+90.68
N: 1265341.6138'
E: 524669.8756'



MATCHLINE STA. 127+50 SEE ABOVE RIGHT

MCCULLOCH BOULEVARD
SCALE 1" = 100'



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

ARIZONA 811
Arizona Dug Stakes, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

Kimley»Horn

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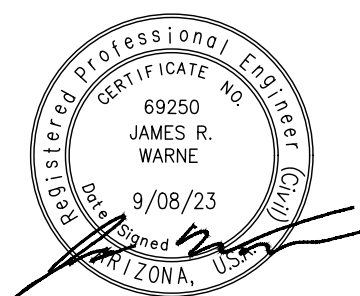


NO.	REVISIONS / SUBMISSIONS	DATE
#	-	-
#	-	-
#	-	-
#	-	-

LAKE HAVASU CITY
CITY CORE PAVING RECONSTRUCTION

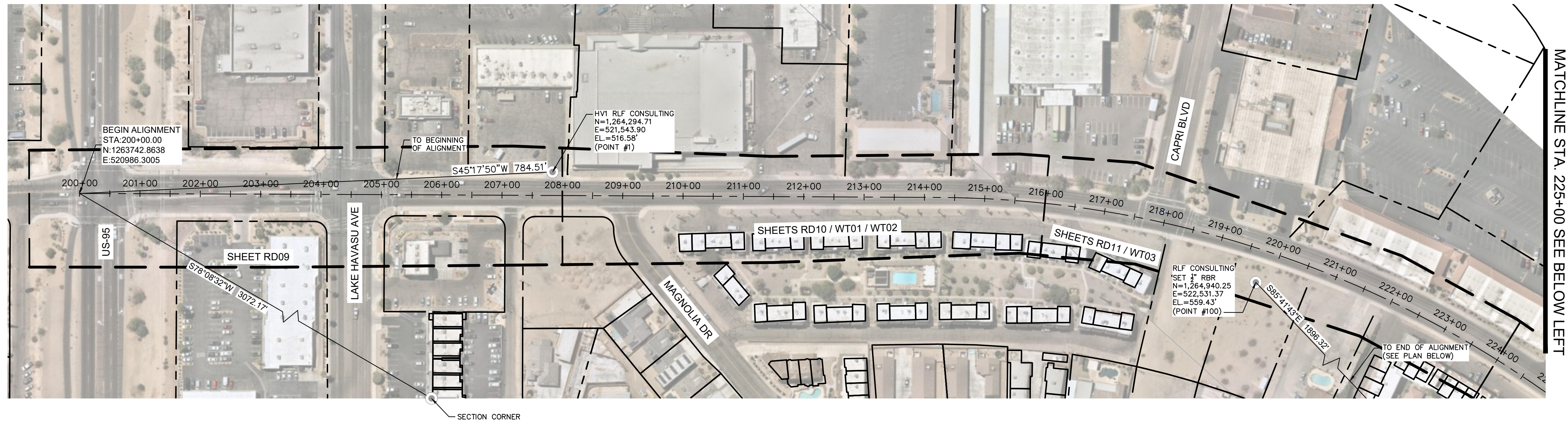
Designed by: JRW
Drawn by: JWL
Checked by: ACB
Date: 09/08/23
Dwg scale: 1"=20'

HORIZONTAL CONTROL
STA 100+00 TO
STA 152+91



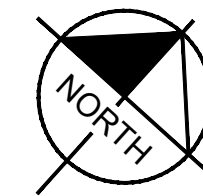
Sheet Number:
HC01
Sheet 09 OF 41

FILE NAME&PATH: K:\PRS_ROADWAY\191245016 - LHC CITY CORE PAVING\CADD\SHEETS\HC02.DWG



MATCHLINE STA. 225+00 SEE BELOW LEFT

SWANSON AVENUE
SCALE 1" = 100'



REFERENCE BENCHMARK:
100 559.43' (RLF CONSULTING)
NORTHING (Y) 1,264,940.25'
EASTING (X) 522,531.37'

AS SHOWN HEREON:
FOR THE PURPOSE OF THE TOPO SURVEY, AN ELEVATION OF 559.43 FEET WAS ESTABLISHED ON A 1/2" REBAR (POINT #100), LOCATED IN THE NORTHEAST PORTION OF AN EMPTY LOT SOUTHEAST OF THE CAPRI BLVD AND SWANSON AVE INTERSECTION.
CONTOUR INTERVAL = 1.00'

THE FOLLOWING PARAMETERS WERE SET FOR THE BASIS OF THIS SURVEY:
SYSTEM: UNITED STATES STATE PLANE 1983
ZONE: ARIZONA WEST
GAP: 1.000053
HORIZONTAL DATUM: NAD 83/92
GEOID: ARIZONA GEOID 18
VERTICAL DATUM: NAVD 88
UNITS: INTERNATIONAL FEET
(1 FOOT = 0.3048 METERS EXACTLY)

A GROUND ADJUSTMENT FACTOR OF 1.000053 WAS UTILIZED FOR THIS PROJECT. ALL BEARINGS ARE GRID BEARINGS. DISTANCES ARE GROUND DISTANCES AND COORDINATES ARE GROUND COORDINATES.

A MODIFIED PLANE COORDINATE SYSTEM WAS UTILIZED TO OBTAIN GROUND DISTANCES, PROJECTED BY A TANGENT PLANE METHOD FROM THE ARIZONA COORDINATE SYSTEM, 1983, WEST ZONE, BY A COMBINED FACTOR (GRID-SCALE FACTOR MULTIPLIED BY ELEVATION FACTOR) OF 1.000053, ORIGINATING FROM:

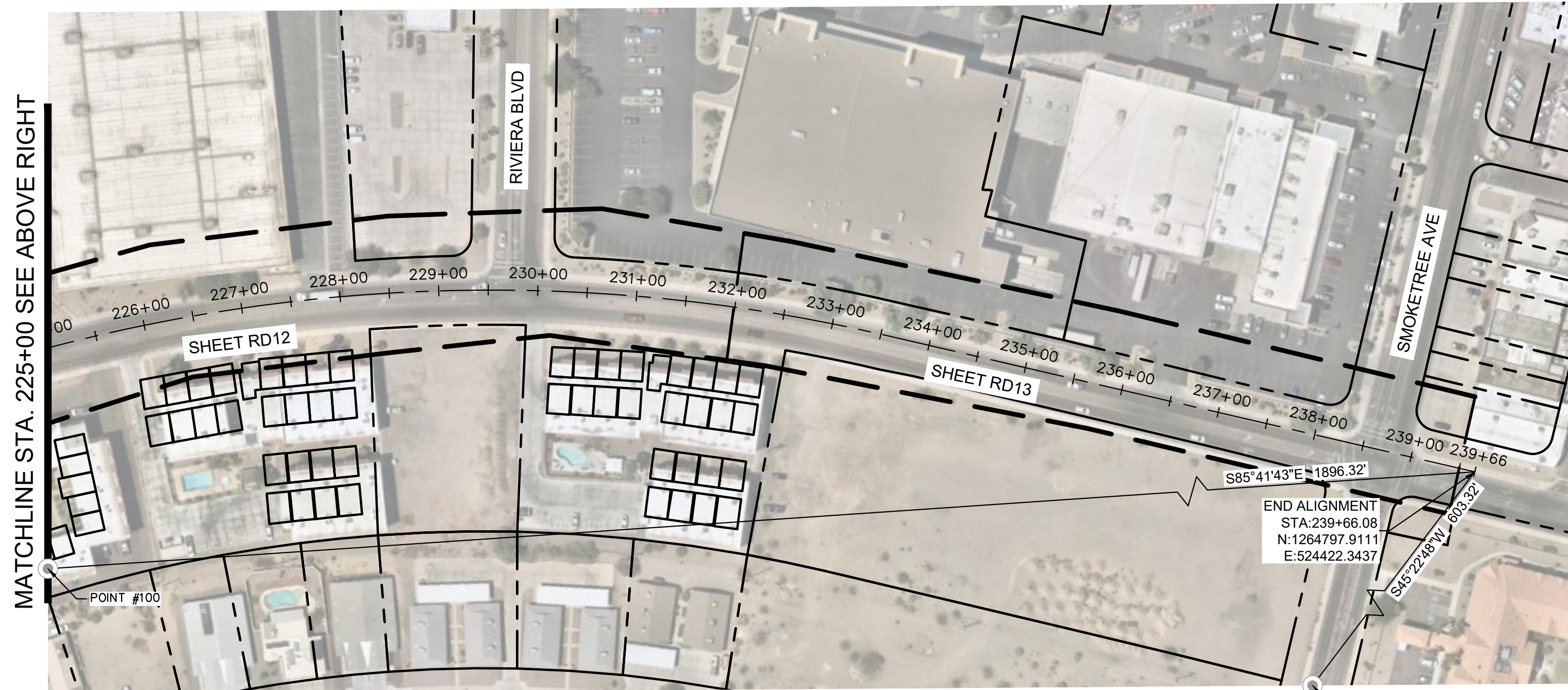
POINT: 100 (RLF CONSULTING)
NORTHING (Y): 1,264,940.25'
EASTING (X): 522,531.37'

DIRECT MEASUREMENTS WERE MADE ON EACH POINT IN THE GEOCENTRIC COORDINATE SYSTEM OF WGS 84 AND AUTOMATIC TRANSLATIONS WERE MADE TO THE NORTH AMERICAN DATUM OF 1983 AND TO THE GROUND SCALED VERSION OF THE STATE PLANE GRID SYSTEM.

BASIS OF BEARINGS:
BEARINGS SHOWN HEREON ARE BASED UPON U.S. STATE PLANE NAD83 COORDINATE SYSTEM ARIZONA STATE PLANE COORDINATE ZONE CENTRAL, DETERMINED BY GPS OBSERVATIONS COLLECTED DURING THIS SURVEY.

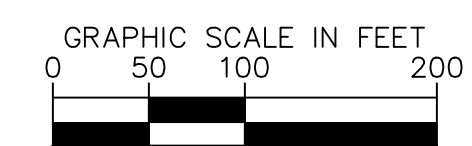
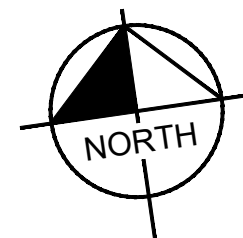
BASIS OF ELEVATIONS (BENCHMARK):
AN ELEVATION OF 559.43' WAS HELD ON A SET 1/2" REBAR.

AERIAL CONTROL PANEL & PROJECT BENCHMARK POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1264294.71	521543.90	516.58	HV1
100	1264940.25	522531.37	559.43	RBR SET RBR 1/2IN



MATCHLINE STA. 225+00 SEE ABOVE RIGHT

SWANSON AVENUE
SCALE 1" = 100'



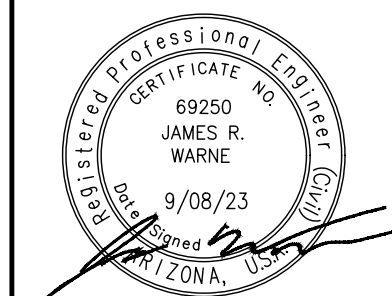
Call at least two full working days before you begin excavation.

ARIZONA 811
Arizona Dug Stake, Inc.

Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

Designed by: JRW
Drawn by: JWL
Checked by: ACB
Date: 09/08/23
Dwg scale: 1"=20'

HORIZONTAL CONTROL
STA 200+00 TO
STA 239+66



Sheet Number:

HC02

Sheet 10 OF 41

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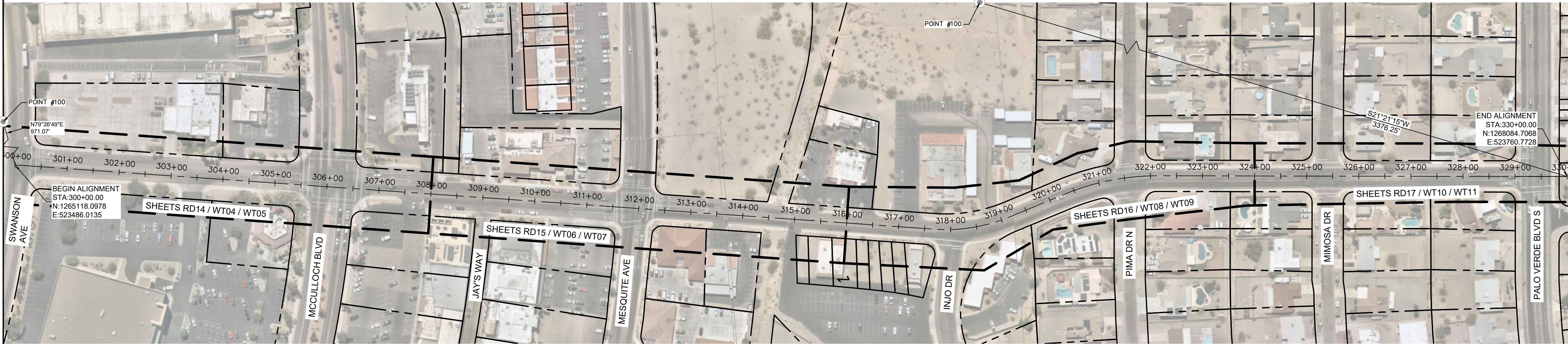
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LAKE HAVASU CITY

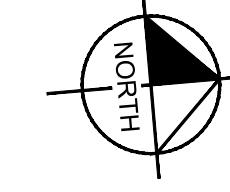
NO.	#	REVISIONS / SUBMISSIONS	DATE

LAKE HAVASU CITY
CITY CORE PAVING RECONSTRUCTION

FILE NAME&PATH: K:\PERS-ROADWAY\191245016 - LHC CITY CORE PAVING\CADD\SHEETS\HC03.DWG



RIVIERA DRIVE
SCALE 1" = 100'



REFERENCE BENCHMARK:
100 559.43 (RLF CONSULTING)
NORTHING (Y) 1,264,940.25
EASTING (X) 522,531.37

AS SHOWN HEREON:
FOR THE PURPOSE OF THE TOPO SURVEY, AN ELEVATION OF 559.43 FEET WAS ESTABLISHED ON A 1/2" REBAR (POINT #100), LOCATED IN THE NORTHEAST PORTION OF AN EMPTY LOT SOUTHEAST OF THE CAPRI BLVD AND SWANSON AVE INTERSECTION.
CONTOUR INTERVAL = 1.00'

THE FOLLOWING PARAMETERS WERE SET FOR THE BASIS OF THIS SURVEY:
SYSTEM: UNITED STATES STATE PLANE 1983
ZONE: ARIZONA WEST
GAF: 1.000053
HORIZONTAL DATUM: NAD 83/92
GEOID: ARIZONA GEOID 18
VERTICAL DATUM: NAVD 88
UNITS: INTERNATIONAL FEET
(1 FOOT = 0.3048 METERS EXACTLY)

A GROUND ADJUSTMENT FACTOR OF 1.000053 WAS UTILIZED FOR THIS PROJECT. ALL BEARINGS ARE GRID BEARINGS. DISTANCES ARE GROUND DISTANCES AND COORDINATES ARE GROUND COORDINATES.

A MODIFIED PLANE COORDINATE SYSTEM WAS UTILIZED TO OBTAIN GROUND DISTANCES, PROJECTED BY A TANGENT PLANE METHOD FROM THE ARIZONA COORDINATE SYSTEM, 1983, WEST ZONE, BY A COMBINED FACTOR (GRID-SCALE FACTOR MULTIPLIED BY ELEVATION FACTOR) OF 1.000053, ORIGINATING FROM:

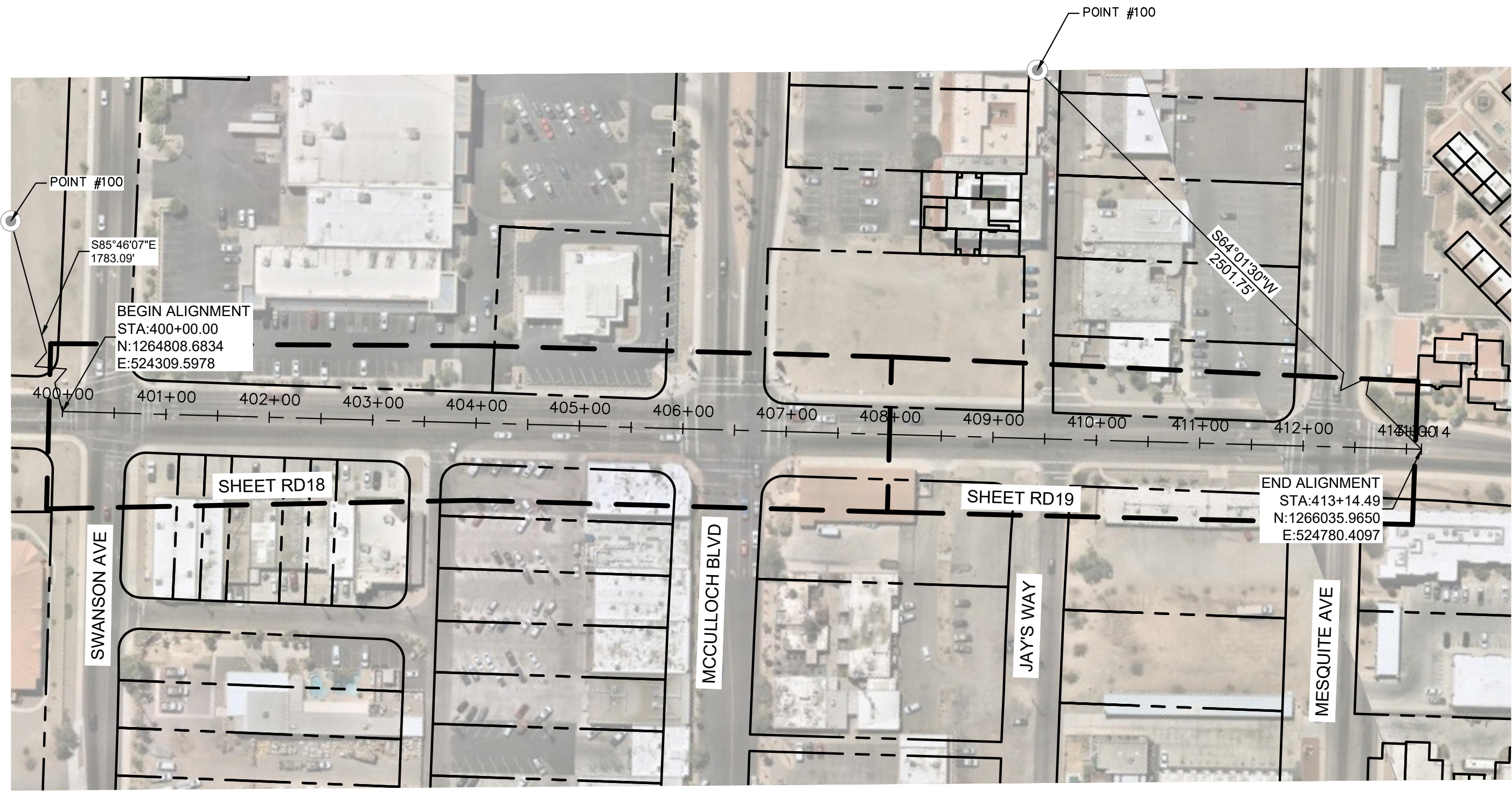
POINT: 100 (RLF CONSULTING)
NORTHING (Y): 1,264,940.25
EASTING (X): 522,531.37

DIRECT MEASUREMENTS WERE MADE ON EACH POINT IN THE GEOCENTRIC COORDINATE SYSTEM OF WGS 84 AND AUTOMATIC TRANSLATIONS WERE MADE TO THE NORTH AMERICAN DATUM OF 1983 AND TO THE GROUND SCALED VERSION OF THE STATE PLANE GRID SYSTEM.

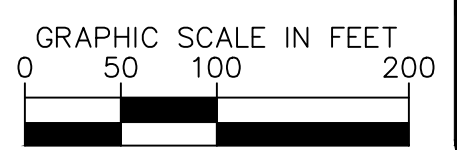
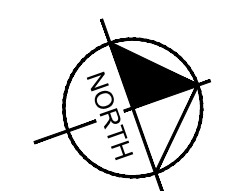
BASES OF BEARINGS:
BEARINGS SHOWN HEREON ARE BASED UPON U.S. STATE PLANE NAD83 COORDINATE SYSTEM ARIZONA STATE PLANE COORDINATE ZONE CENTRAL, DETERMINED BY GPS OBSERVATIONS COLLECTED DURING THIS SURVEY.

BASES OF ELEVATIONS (BENCHMARK):
AN ELEVATION OF 559.43' WAS HELD ON A SET 1/2" REBAR.

AERIAL CONTROL PANEL & PROJECT BENCHMARK POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
100	1264940.25	522531.37	559.43	RBR SET RBR 1/2IN



SMOKETREE AVENUE
SCALE 1" = 100'



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

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Sheet Number:
HC03
Sheet 11 OF 41

LAKE HAVASU CITY		DATE
NO.	REVISIONS / SUBMISSIONS	
#	-	-
#	-	-
#	-	-
#	-	-

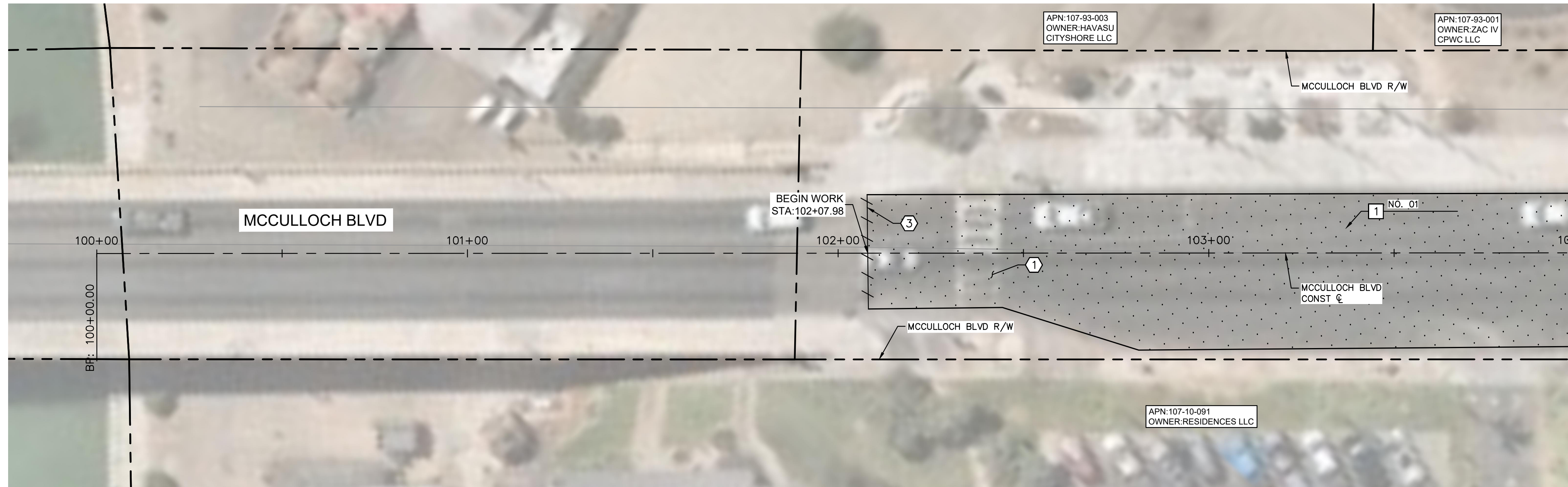
LAKE HAVASU CITY
CITY CORE PAVING RECONSTRUCTION

Designed by: JRW
Drawn by: JWL
Checked by: ACB
Date: 09/08/23
Dwg scale: 1"=20'

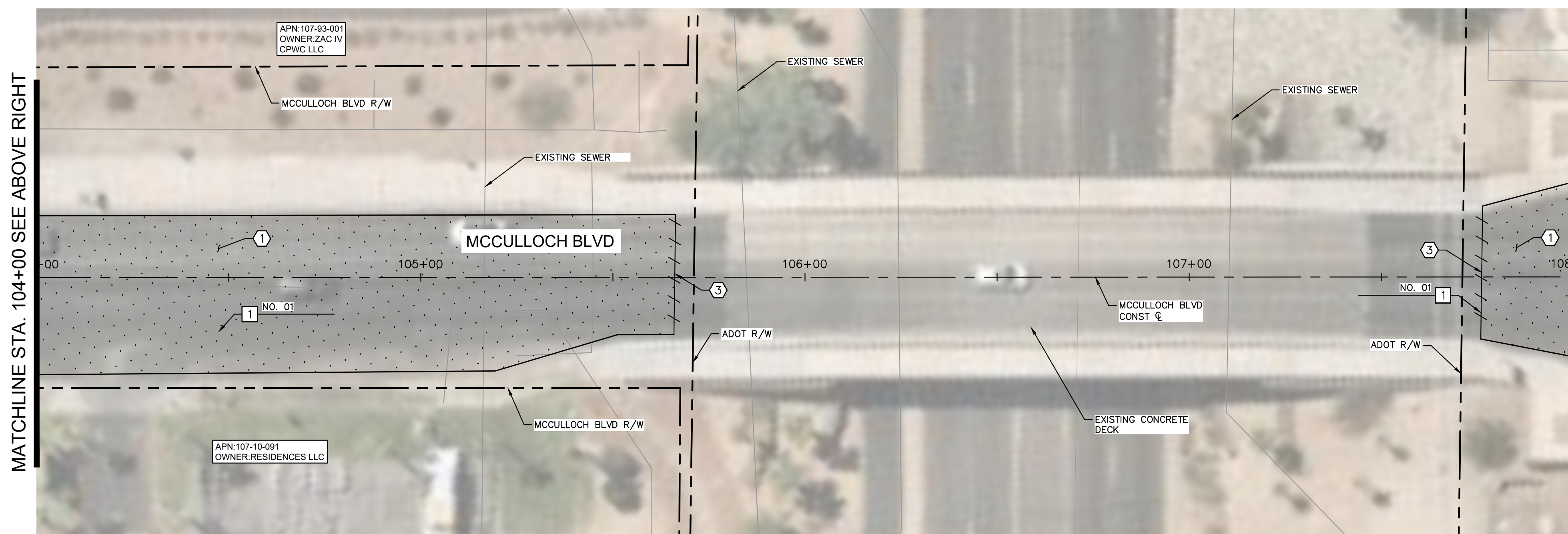
HORIZONTAL CONTROL
FOR RIVIERA DRIVE
AND SMOKETREE
AVENUE

Sheet Number:
HC03
Sheet 11 OF 41

FILE NAME&PATH: K:\PRS_ROADWAY\191245016 - LHC CITY CORE PAVING\CADD\SHEETS\RD01.DWG



MATCHLINE STA. 104+00 SEE BELOW LEFT

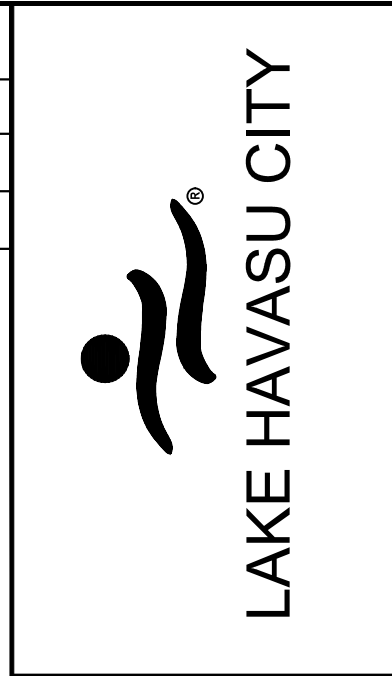


MATCHLINE STA. 104+00 SEE ABOVE RIGHT

MATCHLINE STA. 108+00 SEE SHEET 13

REMOVAL NOTES	
NO	DESCRIPTION
1	MILL EXISTING ASPHALT PAVEMENT PER MAG SPEC. 317.
3	SAWCUT EXISTING PAVEMENT.

CONSTRUCTION NOTES	
NO	DESCRIPTION
1	OVERLAY 2.5" ASPHALT CONCRETE PAVEMENT SEE LHC TECH. SPEC. 02630 AND 02635.

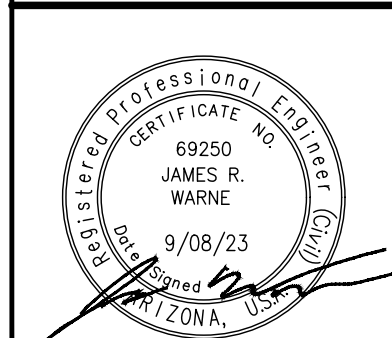


NO.	#	REVISIONS / SUBMISSIONS	DATE
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		-	-
		-	-
		-	-

LAKE HAVASU CITY
CITY CORE PAVING RECONSTRUCTION

Designed by: JRW
 Drawn by: JWL
 Checked by: ACB
 Date: 09/08/23
 Dwg scale: 1"=20'

MCCULLOCH BLVD ROADWAY PLAN
 STA 100+00 TO STA 108+00

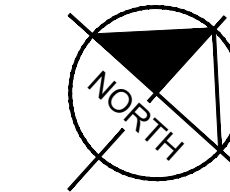
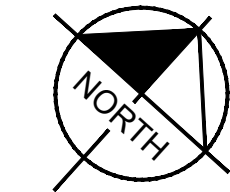
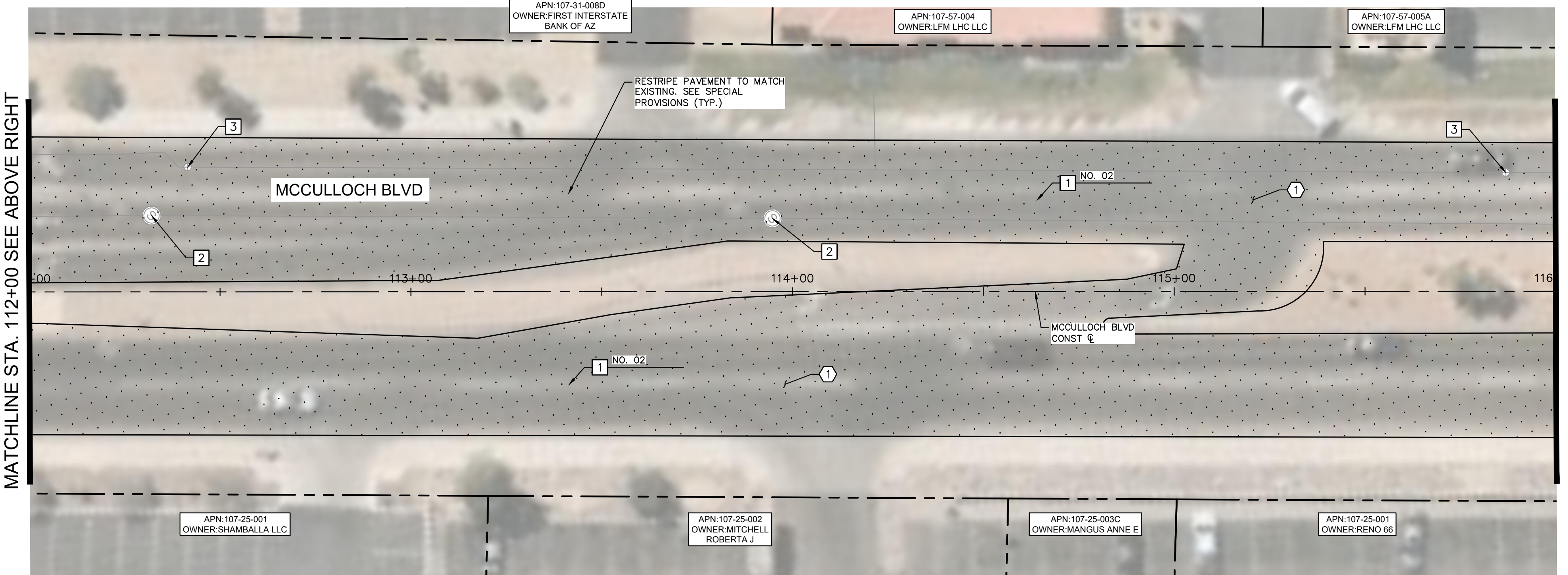
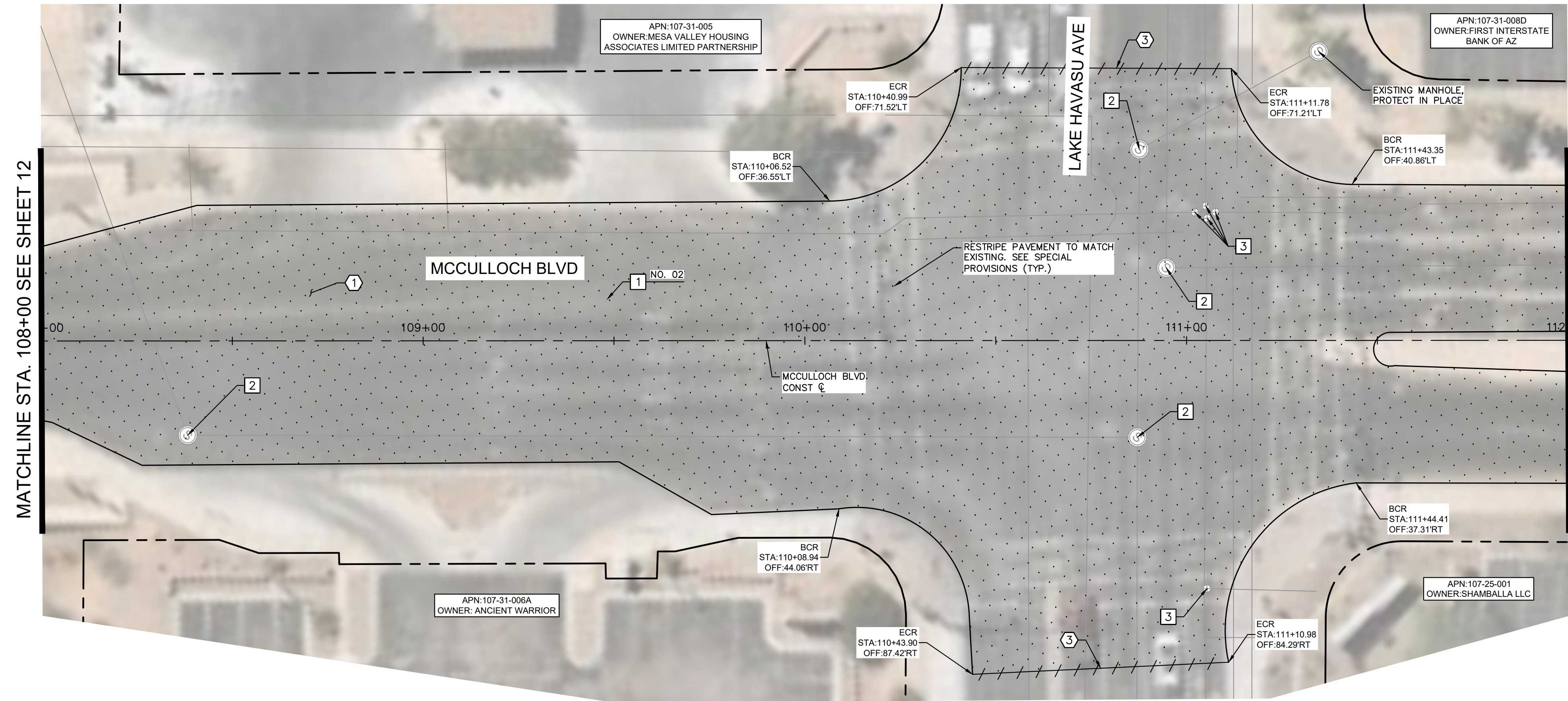


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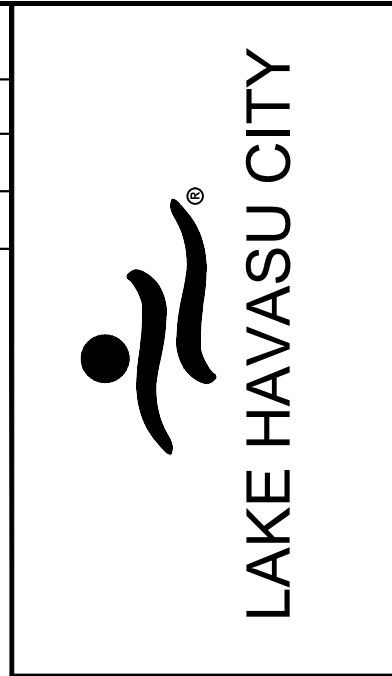
Sheet Number:
RD01
 Sheet 12 OF 41

FILE NAME&PATH: K:\P\RS_ROADWAY\191245016 - LHC CITY CORE PAVING\CADD\SHEETS\RD02.DWG



REMOVAL NOTES	
NO	DESCRIPTION
1	MILL EXISTING ASPHALT PAVEMENT PER MAG SPEC. 317.
3	SAWCUT EXISTING PAVEMENT.

CONSTRUCTION NOTES	
NO	DESCRIPTION
1	OVERLAY 2.5" ASPHALT CONCRETE PAVEMENT SEE LHC TECH. SPEC. 02630 AND 02635.
2	ADJUST MANHOLE FRAME AND COVER PER MAG DETAIL 422, PROTECT IN PLACE
3	PROTECT IN PLACE EXISTING VALVE, ADJUST WATER VALVE CONCRETE COLLAR PER MAG DETAIL 391-2

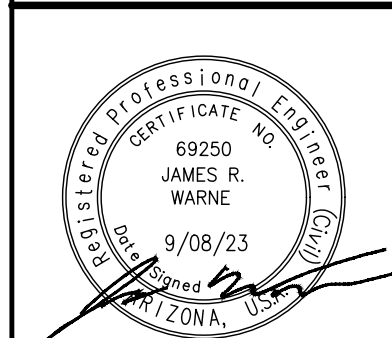
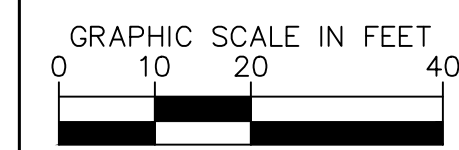


NO.	REVISIONS / SUBMISSIONS	DATE
#	-	-
#	-	-
#	-	-
#	-	-

LAKE HAVASU CITY
CITY CORE PAVING RECONSTRUCTION

Designed by: JRW
 Drawn by: JWL
 Checked by: ACB
 Date: 09/08/23
 Dwg scale: 1"=20'

MCCULLOCH BLVD ROADWAY PLAN
 STA 108+00 TO STA 116+00

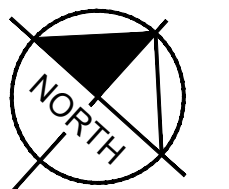
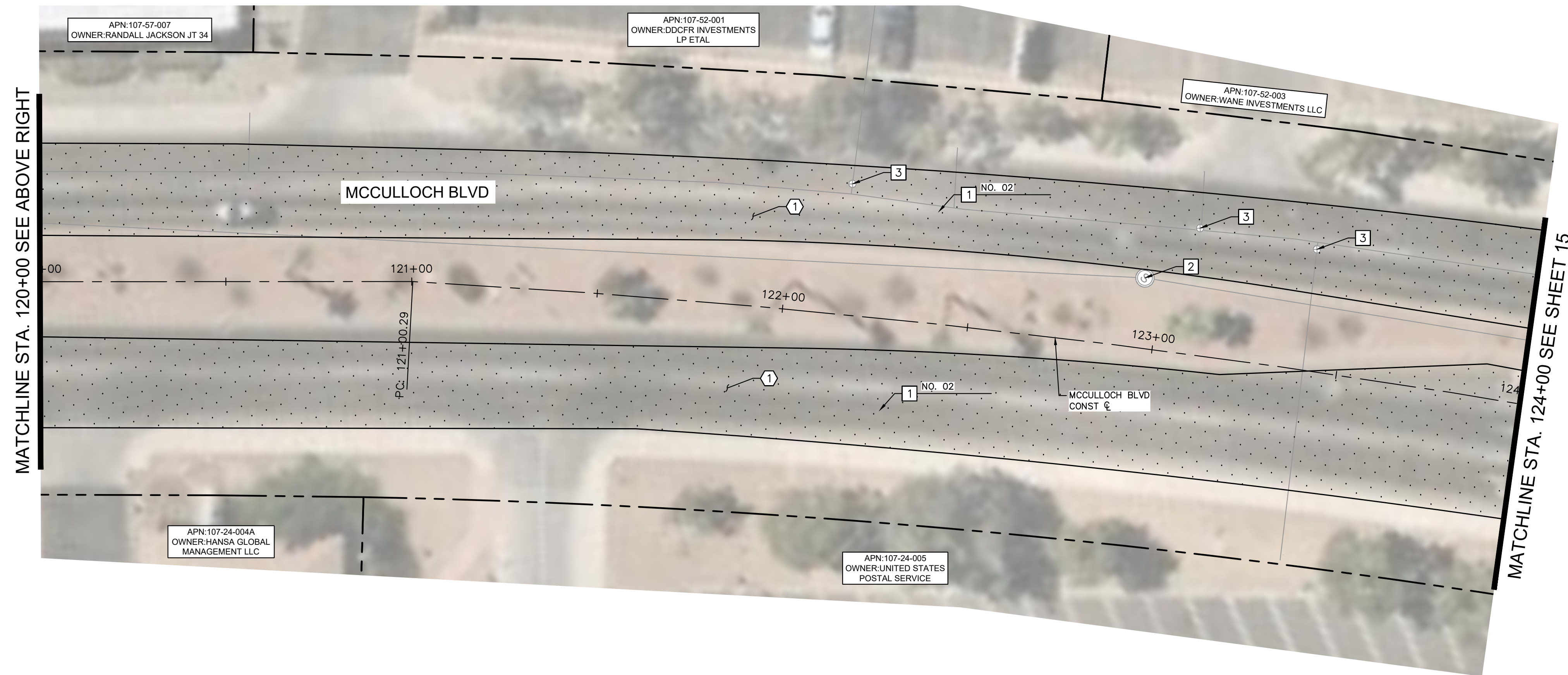
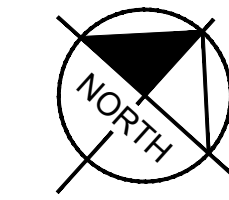
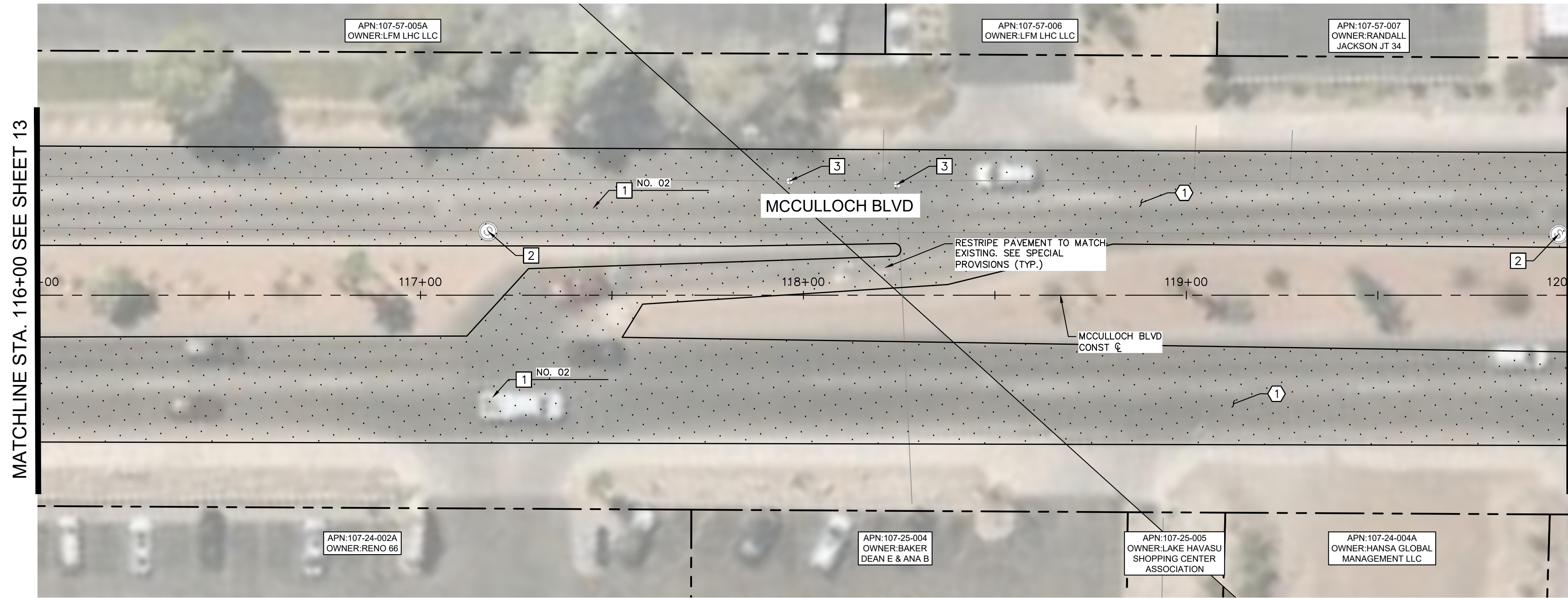


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Sheet Number:
RD02
 Sheet 13 OF 41

FILE NAME&PATH: K:\PRS_ROADWAY\191245016 - LHC CITY CORE PAVING\GADD\SHEETS\RD13.DWG



REMOVAL NOTES	
NO	DESCRIPTION
1	MILL EXISTING ASPHALT PAVEMENT PER MAG SPEC. 317.

CONSTRUCTION NOTES	
NO	DESCRIPTION
1	OVERLAY 2.5" ASPHALT CONCRETE PAVEMENT SEE LHC TECH. SPEC. 02630 AND 02635.
2	ADJUST MANHOLE FRAME AND COVER PER MAG DETAIL 422, PROTECT IN PLACE
3	PROTECT IN PLACE EXISTING VALVE, ADJUST WATER VALVE CONCRETE COLLAR PER MAG DETAIL 391-2

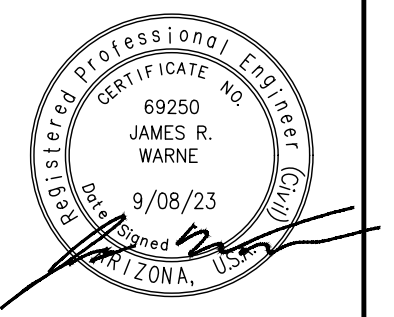
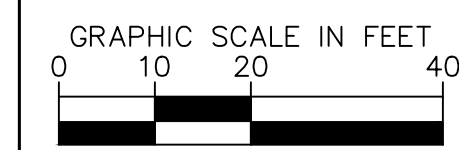


NO.	#	REVISIONS / SUBMISSIONS	DATE

LAKE HAVASU CITY
CITY CORE PAVING RECONSTRUCTION

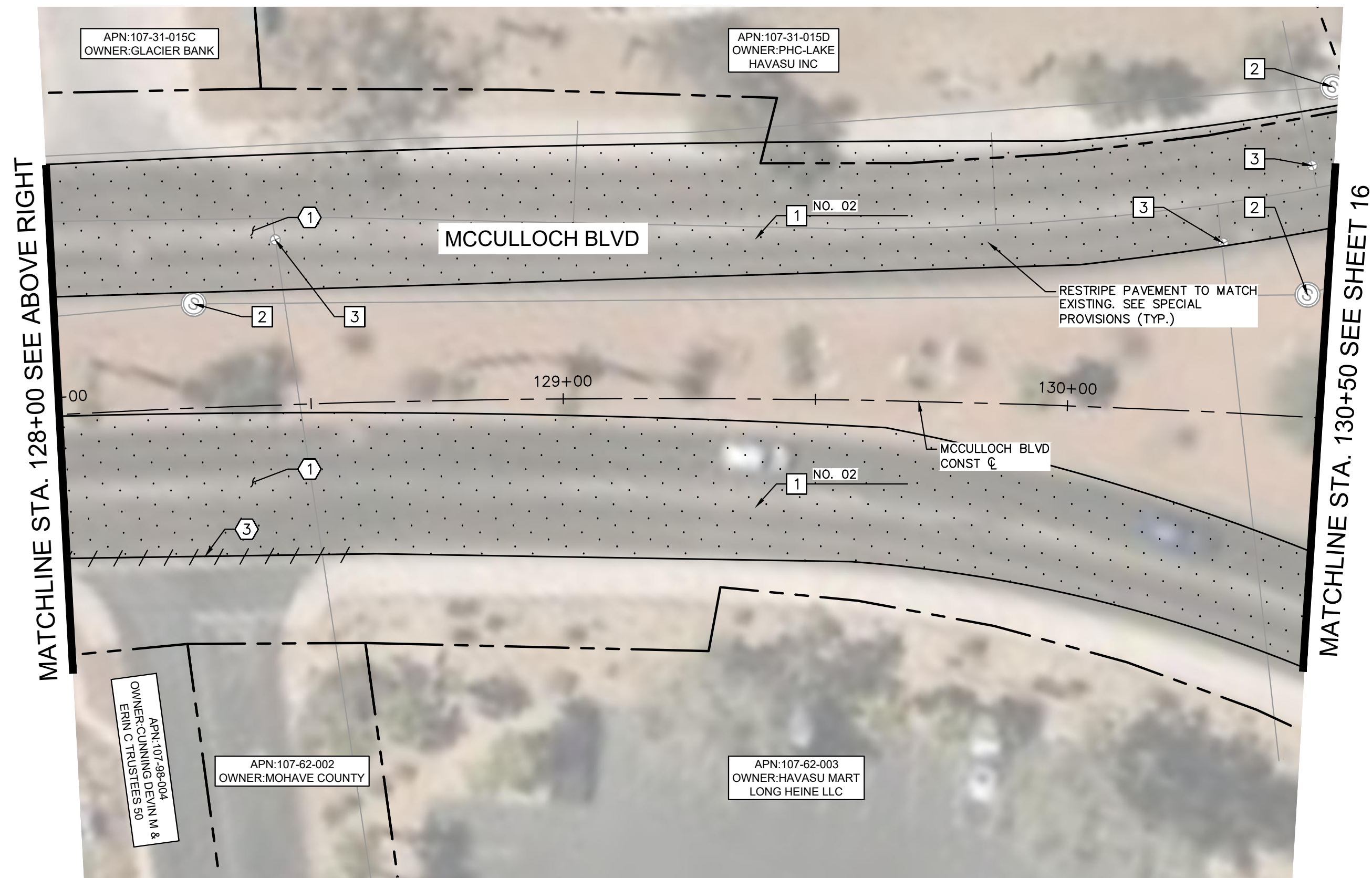
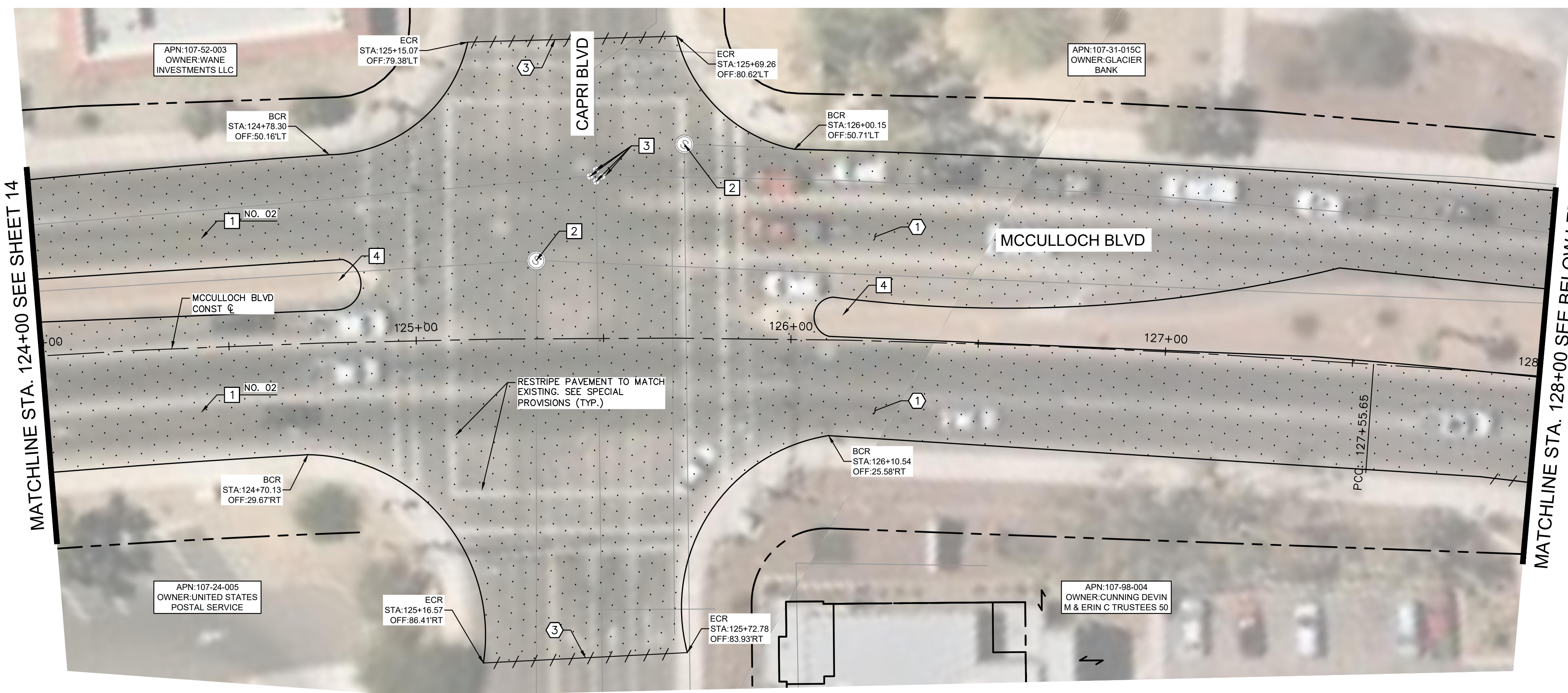
Designed by: JRW
 Drawn by: JWL
 Checked by: ACB
 Date: 09/08/23
 Dwg scale: 1"=20'

MCCULLOCH BLVD ROADWAY PLAN
 STA 116+00 TO STA 124+00



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Sheet Number:
RD03
 Sheet 14 OF 41



REMOVAL NOTES	
NO	DESCRIPTION
1	MILL EXISTING ASPHALT PAVEMENT PER MAG SPEC. 317.
3	SAWCUT EXISTING PAVEMENT.

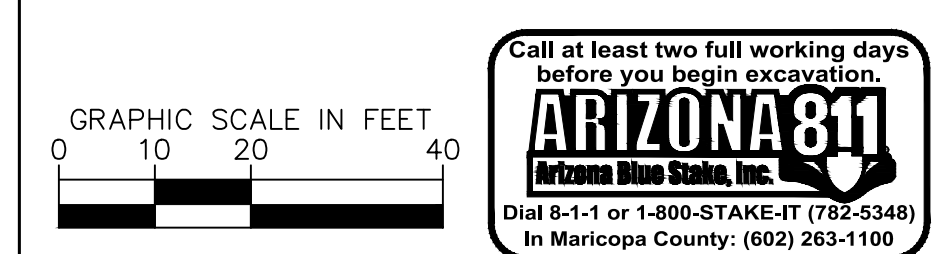
CONSTRUCTION NOTES	
NO	DESCRIPTION
1	OVERLAY 2.5" ASPHALT CONCRETE PAVEMENT SEE LHC TECH. SPEC. 02630 AND 02635.
2	ADJUST MANHOLE FRAME AND COVER PER MAG DETAIL 422, PROTECT IN PLACE
3	PROTECT IN PLACE EXISTING VALVE, ADJUST WATER VALVE CONCRETE COLLAR PER MAG DETAIL 391-2
4	PROTECT EXISTING CONCRETE ISLAND IN PLACE

LAKE HAVASU CITY		
NO.	REVISIONS / SUBMISSIONS	DATE
#	-	-
#	-	-
#	-	-
#	-	-

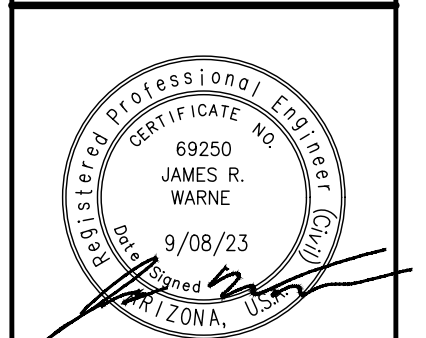
LAKE HAVASU CITY
CITY CORE PAVING RECONSTRUCTION

Designed by: JRW
 Drawn by: JWL
 Checked by: ACB
 Date: 09/08/23
 Dwg scale: 1"=20'

**MCCULLOCH BLVD
 ROADWAY PLAN
 STA 124+00 TO
 STA 130+50**



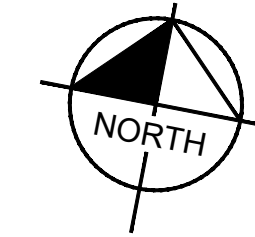
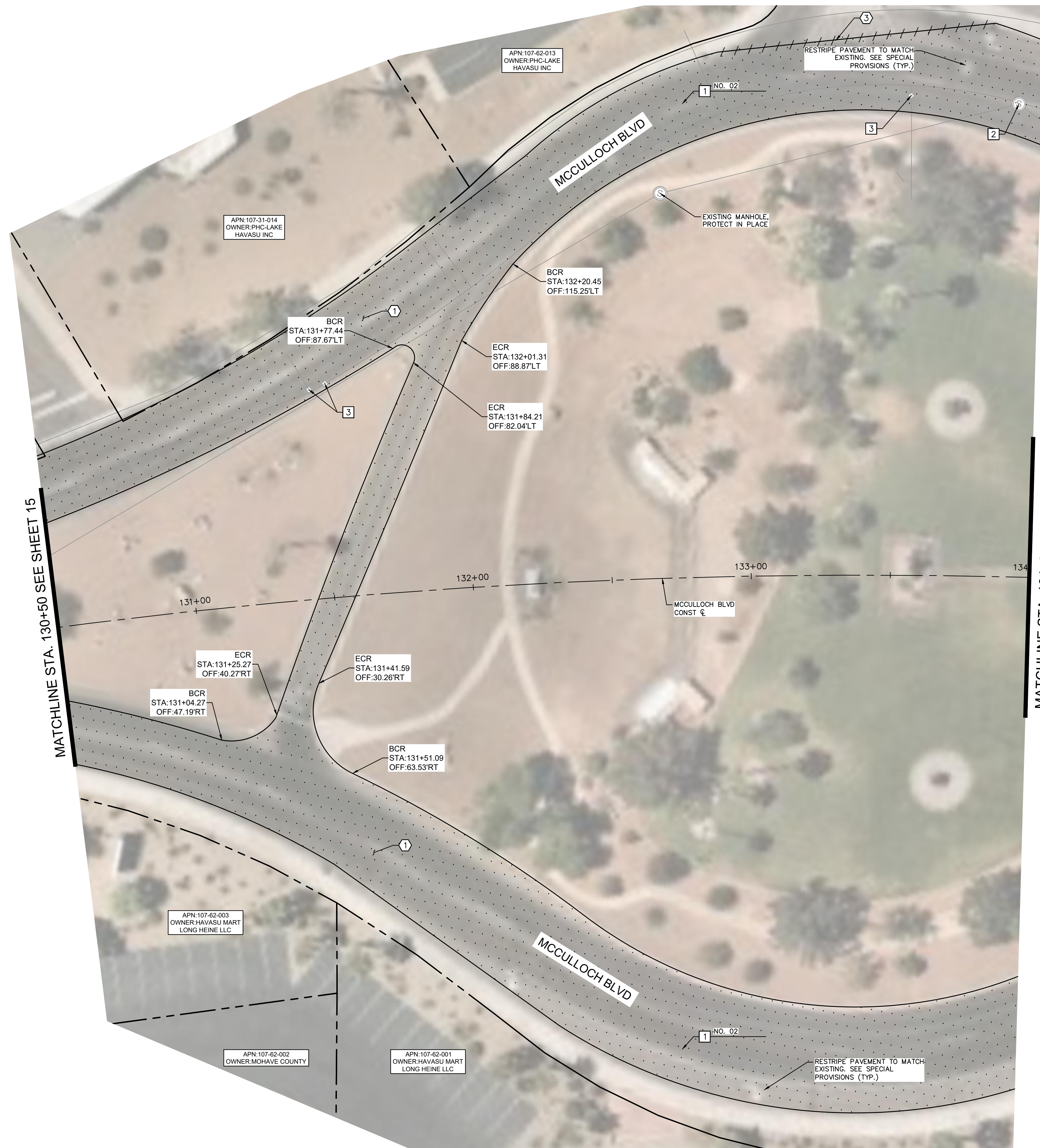
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Sheet Number:
RD04
 Sheet 15 OF 41

FILE NAME&PATH: K:\PIS_ROADWAY\191245016 - LHC CITY CORE PAVING\CADD\SHEETS\RD03.DWG

FILE NAME&PATH: K:\PRS_ROADWAY\191245016 - LHC CITY CORE PAVING\CADD\SHEETS\RD04.DWG



MATCHLINE STA. 134+00 SEE SHEET 17

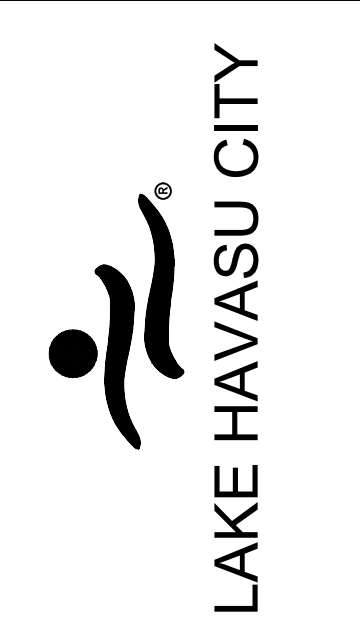
MATCHLINE STA. 130+50 SEE SHEET 15

REMOVAL NOTES	
NO	DESCRIPTION
①	MILL EXISTING ASPHALT PAVEMENT PER MAG SPEC. 317.
③	SAWCUT EXISTING PAVEMENT.

CONSTRUCTION NOTES	
NO	DESCRIPTION
①	OVERLAY 2.5" ASPHALT CONCRETE PAVEMENT SEE LHC TECH. SPEC. 02630 AND 02635.
②	ADJUST MANHOLE FRAME AND COVER PER MAG DETAIL 422, PROTECT IN PLACE
③	PROTECT IN PLACE EXISTING VALVE, ADJUST WATER VALVE CONCRETE COLLAR PER MAG DETAIL 391-2

NO.	REVISIONS / SUBMISSIONS			
	#	#	#	#
	-	-	-	-

DATE	
	-



LAKE HAVASU CITY	
NO.	#
	-

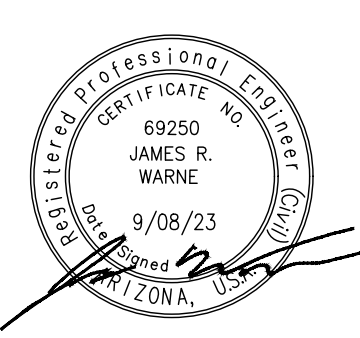
LAKE HAVASU CITY
CITY CORE PAVING RECONSTRUCTION

Designed by: JRW
 Drawn by: JWL
 Checked by: ACB
 Date: 09/08/23
 Dwg. scale: 1"=20'

**MCCULLOCH BLVD
ROADWAY PLAN
STA 130+50 TO
STA 134+00**

GRAPHIC SCALE IN FEET
 0 10 20 40

Call at least two full working days before you begin excavation.
ARIZONA 811
 Arizona Dug Stake, Inc.
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 In Maricopa County: (602) 263-1100

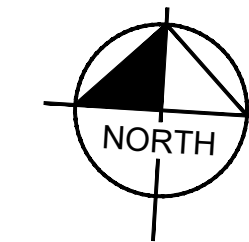
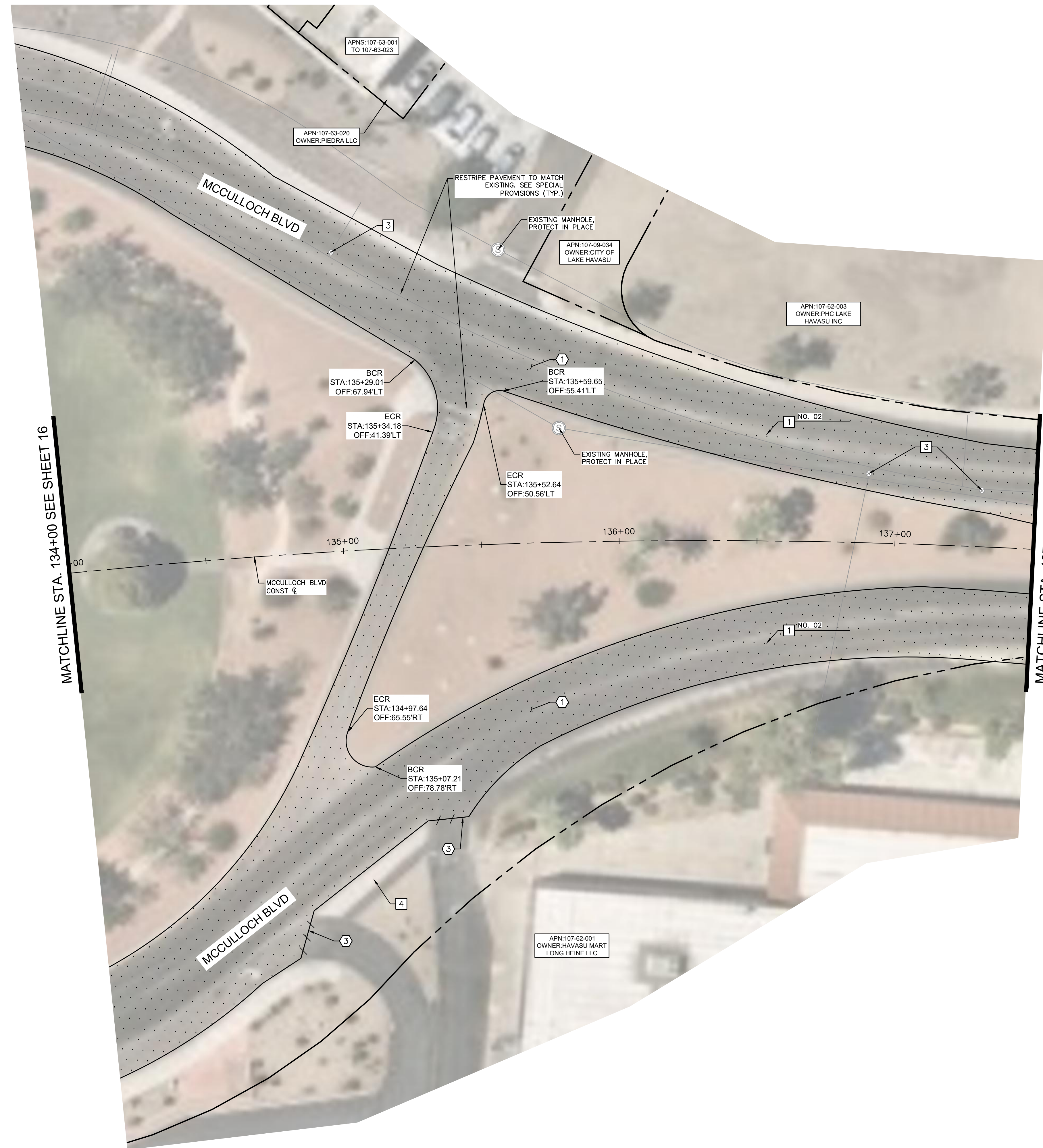


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Sheet Number:
RD05
 Sheet 16 OF 41

FILE NAME&PATH: K:\PRS_ROADWAY\191245016 - LHC CITY CORE PAVING\CADD\SHEETS\RD06.DWG



MATCHLINE STA. 134+00 SEE SHEET 16

MATCHLINE STA. 137+50 SEE SHEET 18

REMOVAL NOTES	
NO	DESCRIPTION
1	MILL EXISTING ASPHALT PAVEMENT PER MAG SPEC. 317.
3	SAWCUT EXISTING PAVEMENT.

CONSTRUCTION NOTES	
NO	DESCRIPTION
1	OVERLAY 2.5" ASPHALT CONCRETE PAVEMENT SEE LHC TECH. SPEC. 02630 AND 02635.
3	PROTECT IN PLACE EXISTING VALVE, ADJUST WATER VALVE CONCRETE COLLAR PER MAG DETAIL 391-2
4	PROTECT EXISTING CONCRETE ISLAND IN PLACE

		DATE	-	-	-	-
		REVISIONS / SUBMISSIONS				
NO.	#	#	#	#	#	#

LAKE HAVASU CITY
CITY CORE PAVING RECONSTRUCTION

Designed by: JRW
 Drawn by: JWL
 Checked by: ACB
 Date: 09/08/23
 Dwg scale: 1"=20'

**MCCULLOCH BLVD
 ROADWAY PLAN
 STA 134+00 TO
 STA 137+50**

GRAPHIC SCALE IN FEET
 0 10 20 40

Call at least two full working days before you begin excavation.
ARIZONA 811
 Arizona Dug Stake, Inc.
 Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
 In Maricopa County: (602) 263-1100

REGISTERED PROFESSIONAL ENGINEER
 CERTIFICATE NO. 69250
 JAMES R. WARNE
 9/08/23
 ARIZONA

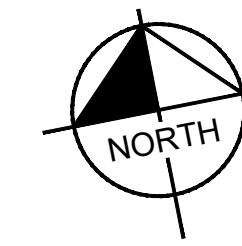
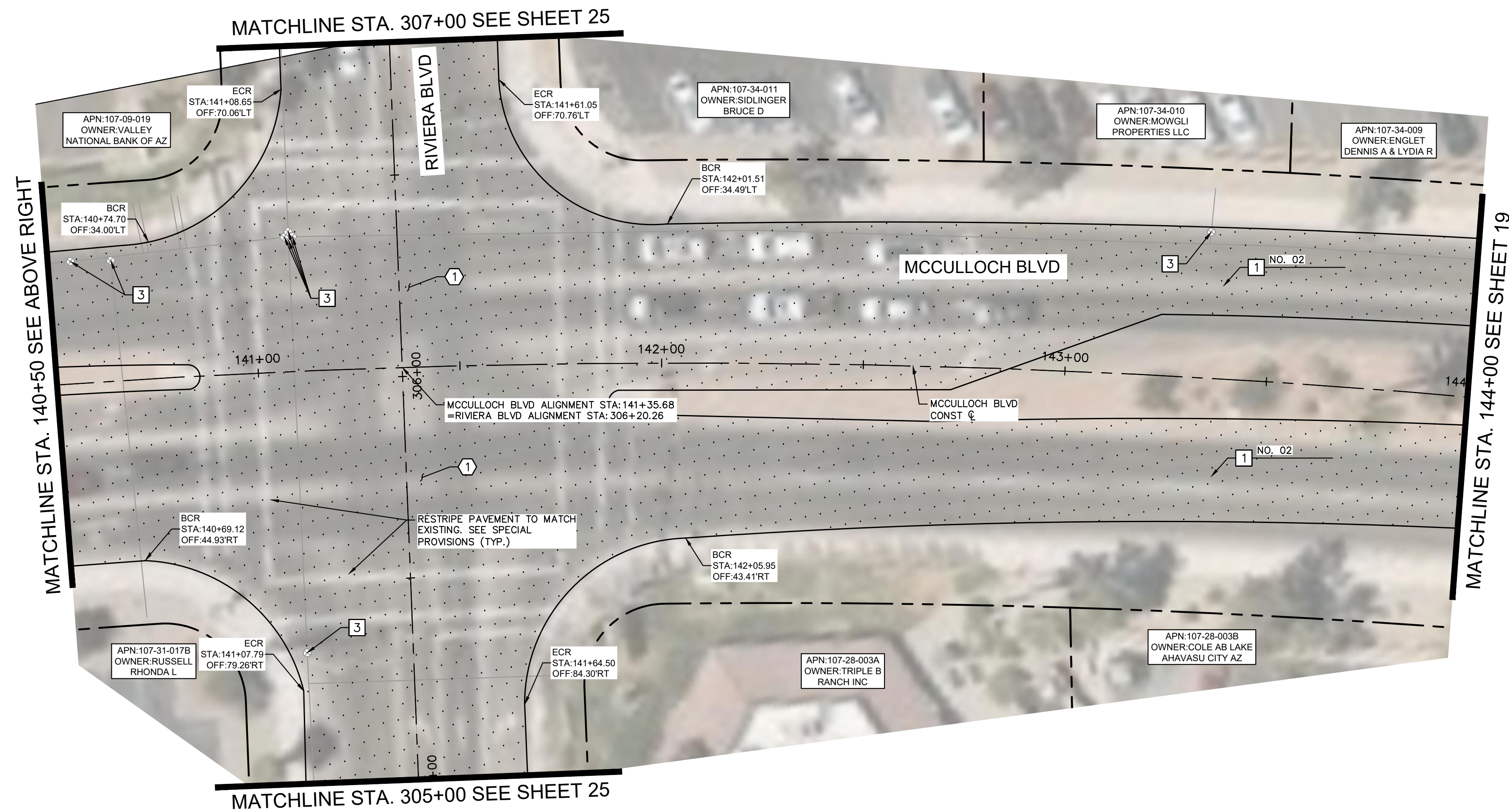
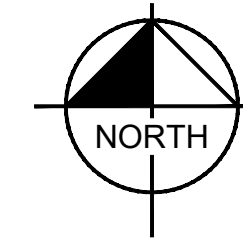
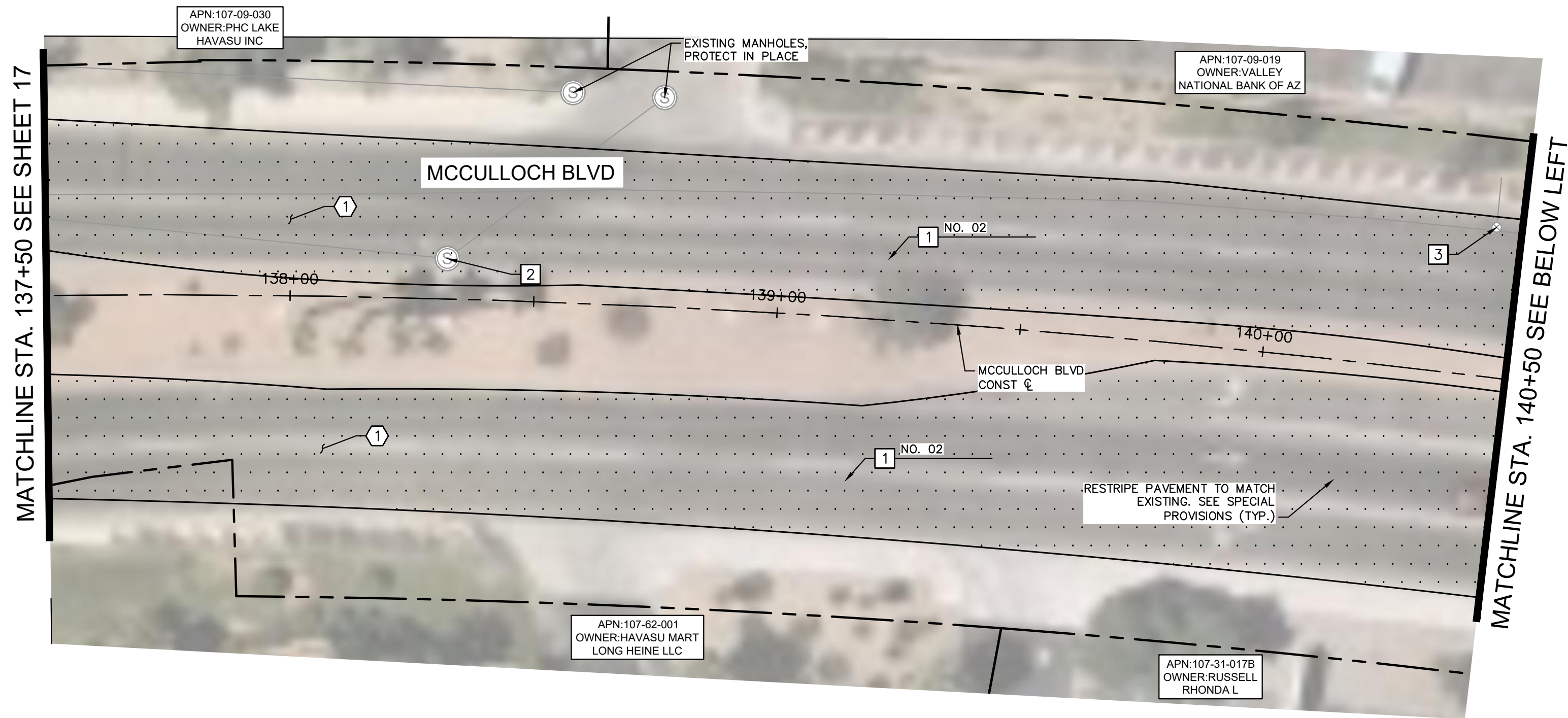
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Sheet Number:
RD06

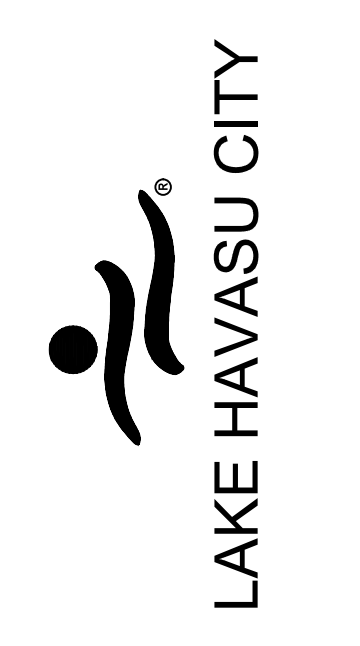
Sheet 17 OF 41

K:\PRS_ROADWAY\191245016 - LHC CITY CORE PAVING\CADD\SHEETS\RD06.DWG



REMOVAL NOTES	
NO	DESCRIPTION
1	MILL EXISTING ASPHALT PAVEMENT PER MAG SPEC. 317.

CONSTRUCTION NOTES	
NO	DESCRIPTION
1	OVERLAY 2.5" ASPHALT CONCRETE PAVEMENT SEE LHC TECH. SPEC. 02630 AND 02635.
2	ADJUST MANHOLE FRAME AND COVER PER MAG DETAIL 422, PROTECT IN PLACE
3	PROTECT IN PLACE EXISTING VALVE, ADJUST WATER VALVE CONCRETE COLLAR PER MAG DETAIL 391-2

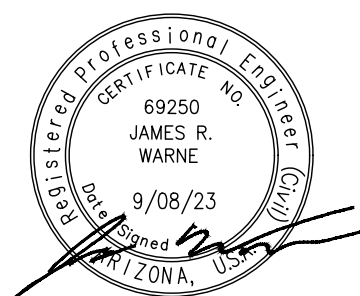
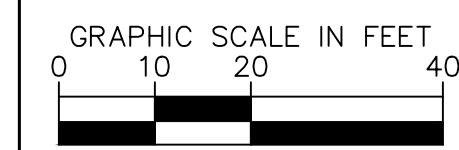


NO.	#	REVISIONS / SUBMISSIONS	DATE

LAKE HAVASU CITY
CITY CORE PAVING RECONSTRUCTION

Designed by: JRW
 Drawn by: JWL
 Checked by: ACB
 Date: 09/08/23
 Dwg scale: 1"=20'

MCCULLOCH BLVD ROADWAY PLAN
STA 137+50 TO STA 144+00

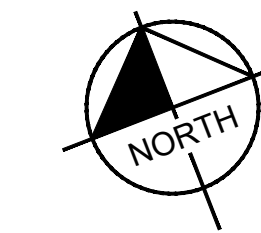
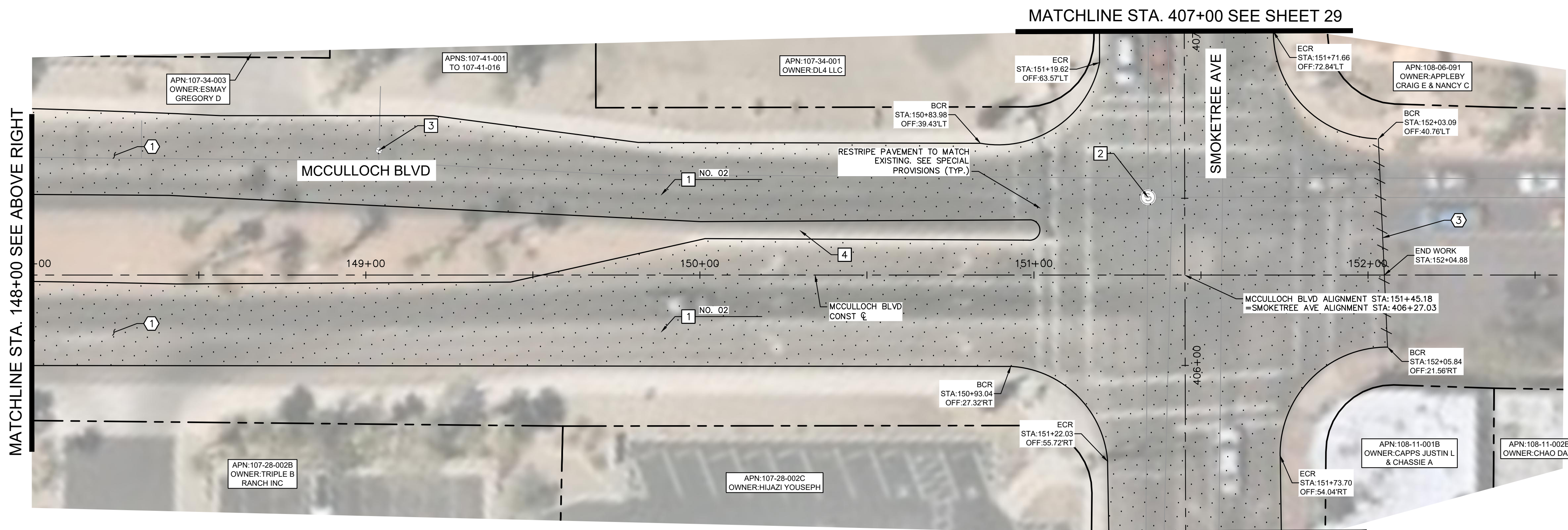
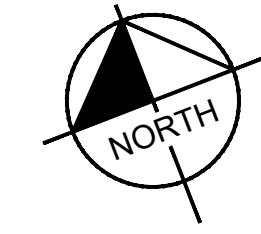
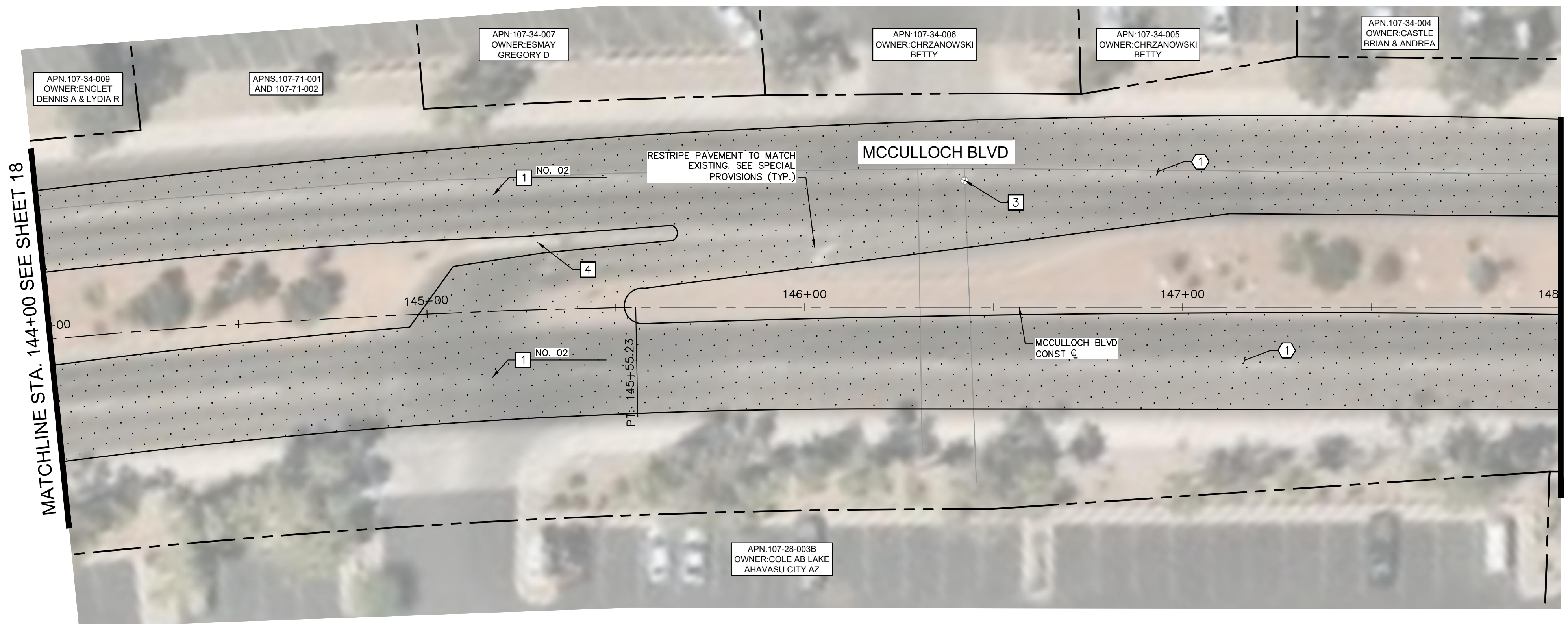


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Sheet Number:
RD07
 Sheet 18 OF 41

FILE NAME&PATH: K:\PRS-ROADWAY\191245016 - LHC CITY CORE PAVING\CADD\SHEETS\RD07.DWG



REMOVAL NOTES	
NO	DESCRIPTION
1	MILL EXISTING ASPHALT PAVEMENT PER MAG SPEC. 317.
3	SAWCUT EXISTING PAVEMENT.

CONSTRUCTION NOTES	
NO	DESCRIPTION
1	OVERLAY 2.5" ASPHALT CONCRETE PAVEMENT SEE LHC TECH. SPEC. 02630 AND 02635.
2	ADJUST MANHOLE FRAME AND COVER PER MAG DETAIL 422, PROTECT IN PLACE
3	PROTECT IN PLACE EXISTING VALVE, ADJUST WATER VALVE CONCRETE COLLAR PER MAG DETAIL 391-2
4	PROTECT EXISTING CONCRETE ISLAND IN PLACE

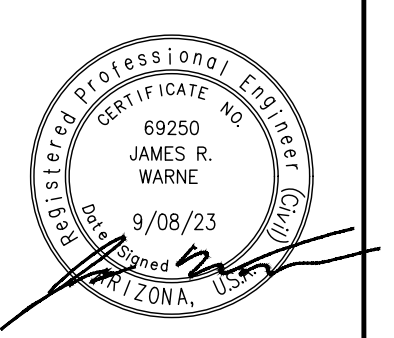
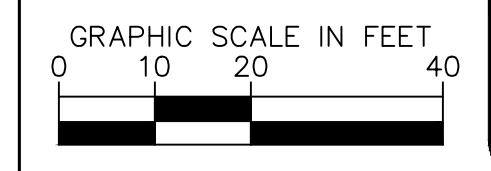


NO.	REVISIONS / SUBMISSIONS			
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LAKE HAVASU CITY
CITY CORE PAVING RECONSTRUCTION

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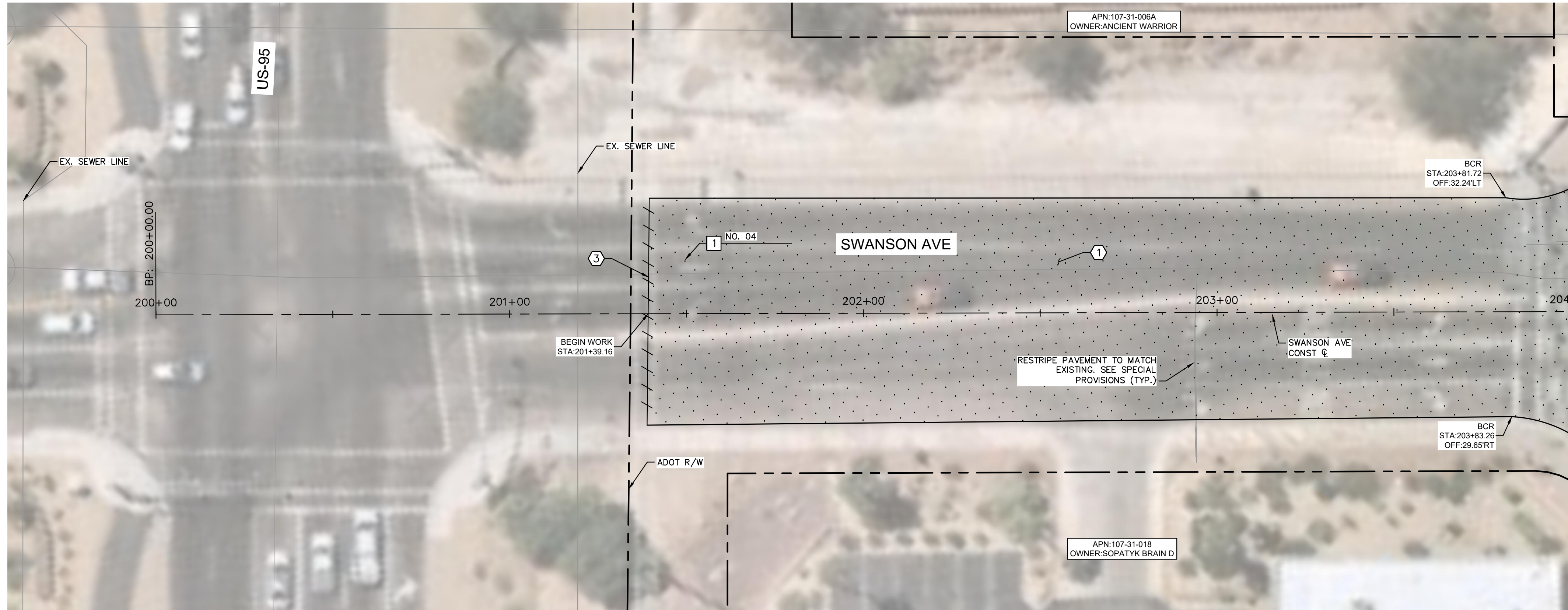
MCCULLOCH BLVD ROADWAY PLAN
 STA 144+00 TO STA END



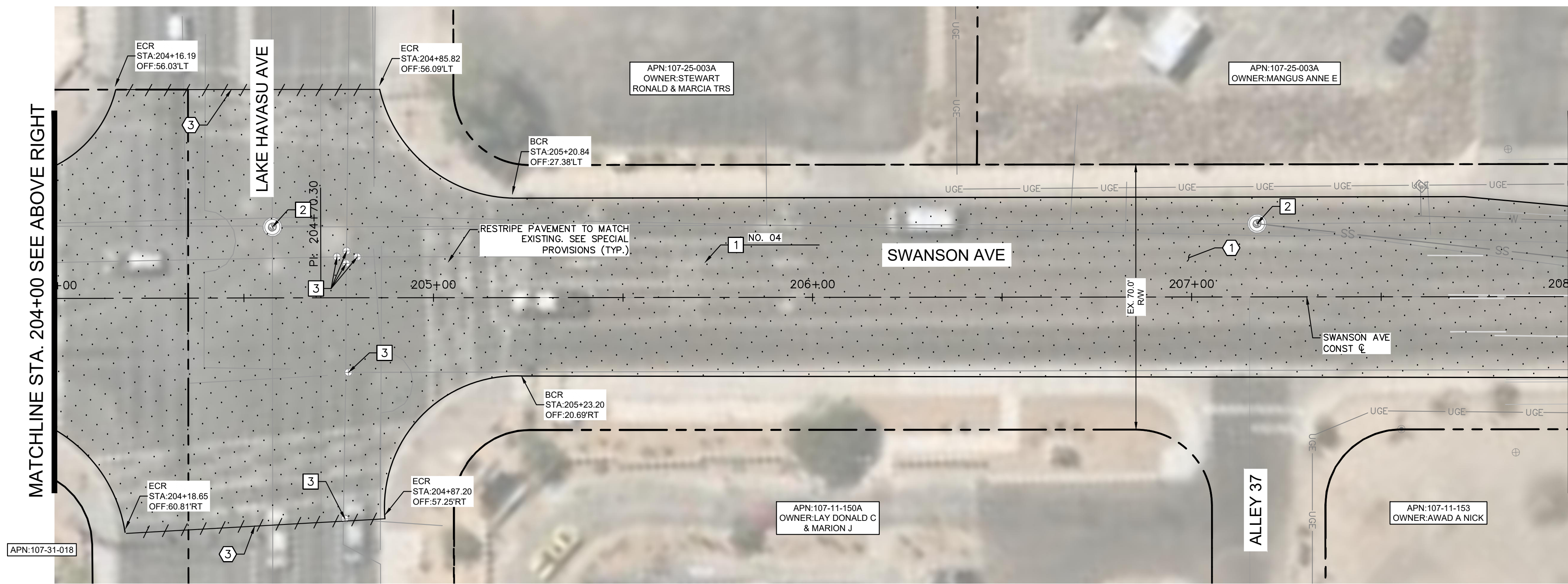
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Sheet Number:
RD08
 Sheet 19 OF 41

FILE NAME&PATH: K:\PRS_ROADWAY\191245016 - LHC CITY CORE PAVING\CADD\SHEETS\RD08.DWG



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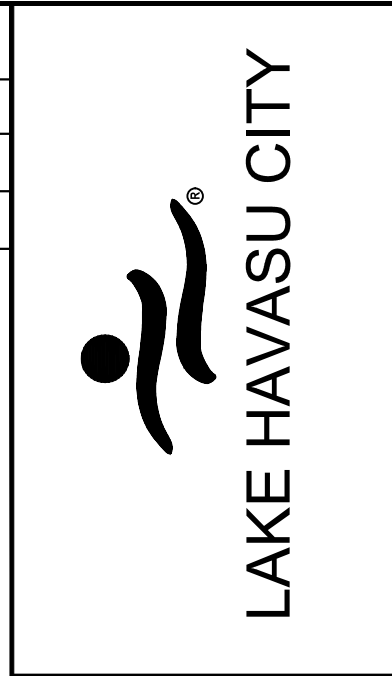


MATCHLINE STA. 204+00 SEE ABOVE RIGHT

MATCHLINE STA. 208+00 SEE SHEET 21

REMOVAL NOTES	
NO	DESCRIPTION
①	MILL EXISTING ASPHALT PAVEMENT PER MAG SPEC. 317.
③	SAWCUT EXISTING PAVEMENT.

CONSTRUCTION NOTES	
NO	DESCRIPTION
①	OVERLAY 2.5" ASPHALT CONCRETE PAVEMENT SEE LHC TECH. SPEC. 02630 AND 02635.
②	ADJUST MANHOLE FRAME AND COVER PER MAG DETAIL 422, PROTECT IN PLACE
③	PROTECT IN PLACE EXISTING VALVE, ADJUST WATER VALVE CONCRETE COLLAR PER MAG DETAIL 391-2

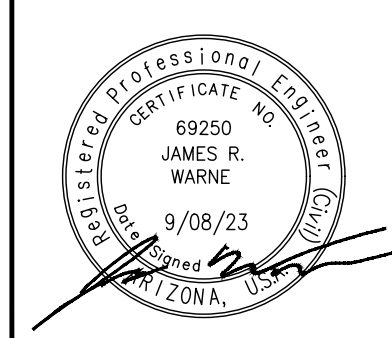
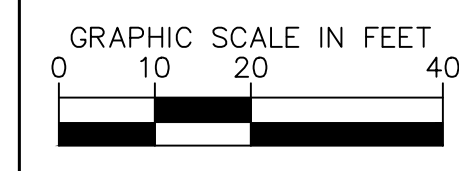


NO.	REVISIONS / SUBMISSIONS	DATE
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#	-	-
#	-	-

LAKE HAVASU CITY
CITY CORE PAVING RECONSTRUCTION

Designed by: JRW
 Drawn by: JWL
 Checked by: ACB
 Date: 09/08/23
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**SWANSON AVE
ROADWAY PLAN
STA 200+00 TO
STA 208+00**

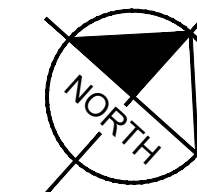
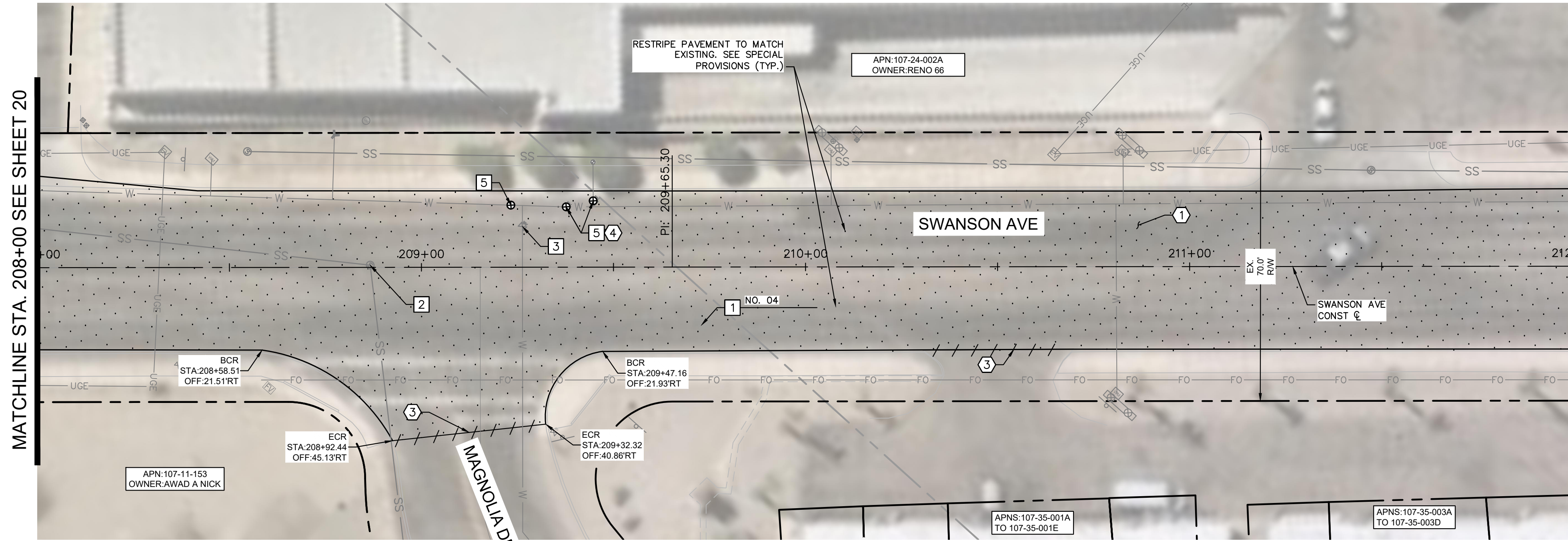


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Sheet Number:
RD09
 Sheet 20 OF 41

FILE NAME&PATH: K:\PRS_ROADWAY\191245016 - LHC CITY CORE PAVING\CADD\SHEETS\RD09.DWG



REMOVAL NOTES	
NO	DESCRIPTION
1	MILL EXISTING ASPHALT PAVEMENT PER MAG SPEC. 317.
3	SAWCUT EXISTING PAVEMENT.
4	REMOVE EXISTING GATE VALVE PER LHC TECH. SPEC. 02550.

CONSTRUCTION NOTES	
NO	DESCRIPTION
1	OVERLAY 2.5" ASPHALT CONCRETE PAVEMENT SEE LHC TECH. SPEC. 02630 AND 02635.
2	ADJUST MANHOLE FRAME AND COVER PER MAG DETAIL 422, PROTECT IN PLACE
3	PROTECT IN PLACE EXISTING VALVE, ADJUST WATER VALVE CONCRETE COLLAR PER MAG DETAIL 391-2
5	RAISE NEW WATER VALVE CONCRETE COLLAR TO GRADE PER MAG DETAIL 391-2

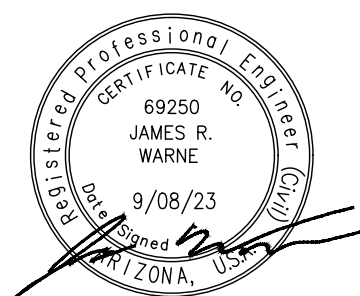
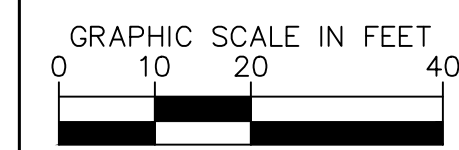
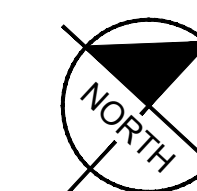
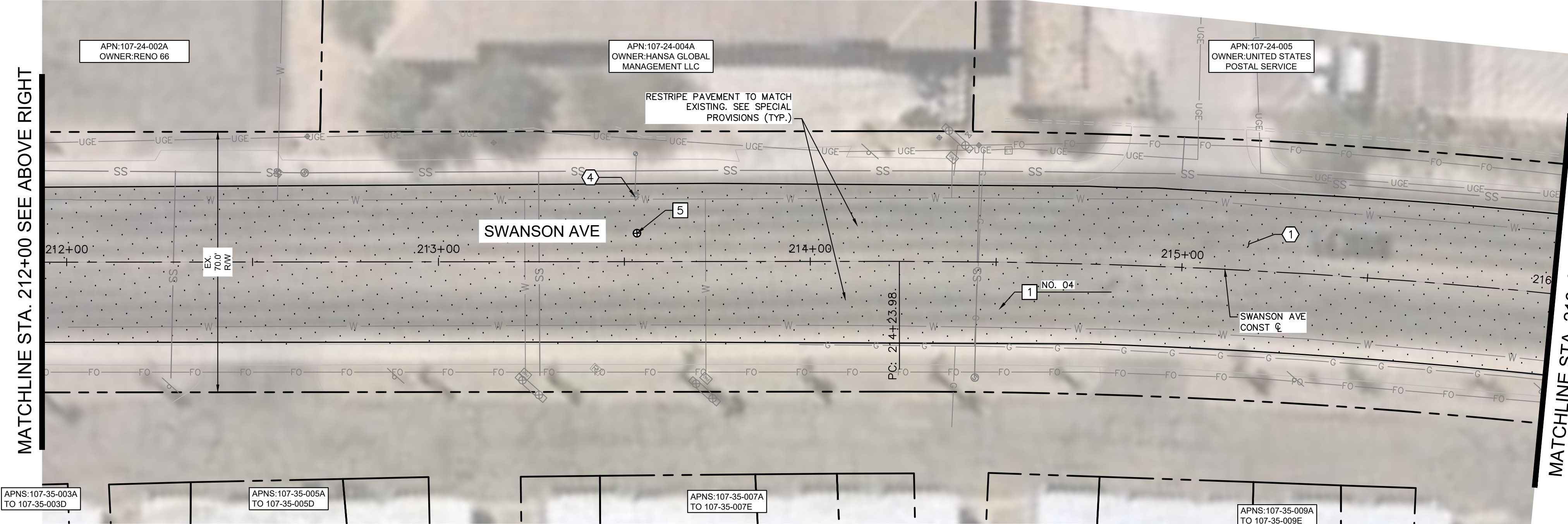


NO.	#	#	#	#	DATE
REVISIONS / SUBMISSIONS	-	-	-	-	-

LAKE HAVASU CITY
CITY CORE PAVING RECONSTRUCTION

Designed by: JRW
 Drawn by: JWL
 Checked by: ACB
 Date: 09/08/23
 Dwg scale: 1"=20'

SWANSON AVE ROADWAY PLAN
 STA 208+00 TO STA 216+00

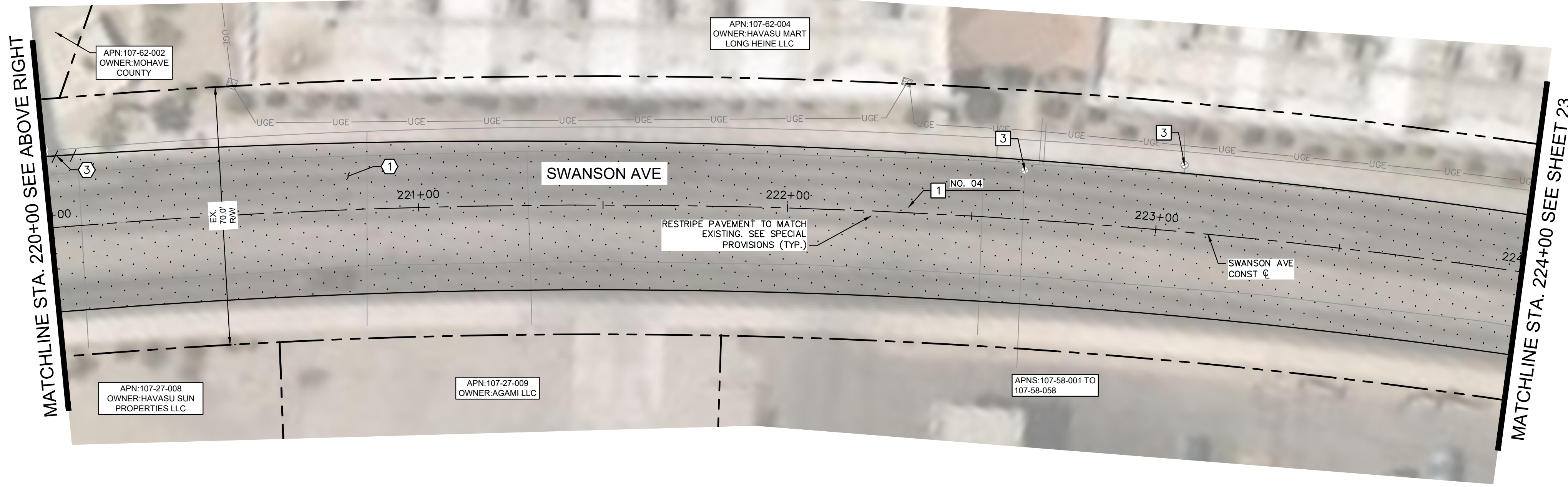
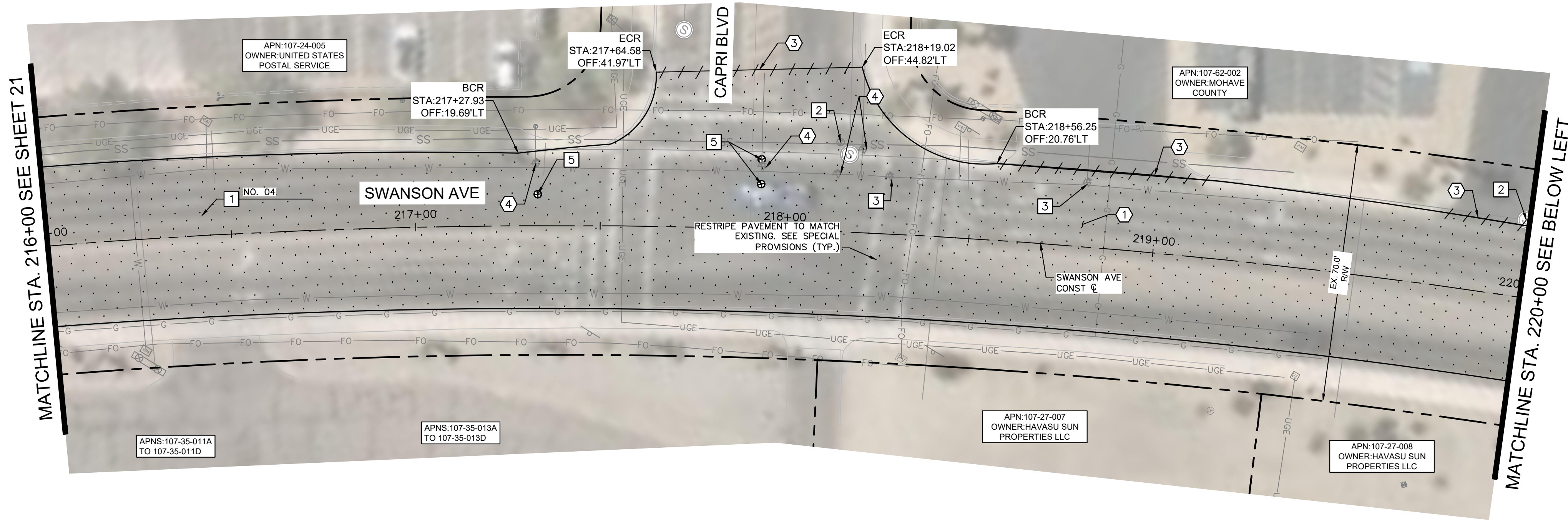


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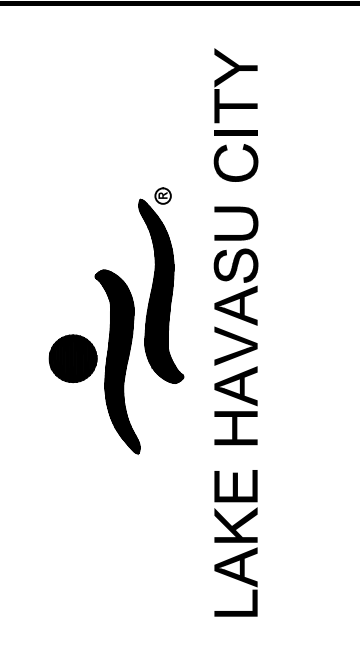
Sheet Number:
RD10
 Sheet 21 OF 41

FILE NAME&PATH: K:\PRS_ROADWAY\191245016 - LHC CITY CORE PAVING\CADD\SHEETS\RD10.DWG



REMOVAL NOTES	
NO	DESCRIPTION
1	MILL EXISTING ASPHALT PAVEMENT PER MAG SPEC. 317.
2	REMOVE AND SALVAGE EXISTING WATER VALVE BOX AND ABANDON EXISTING VALVE PER TECH. SPEC. 02550.
3	SAWCUT EXISTING PAVEMENT.
4	REMOVE EXISTING GATE VALVE PER LHC TECH. SPEC. 02550.

CONSTRUCTION NOTES	
NO	DESCRIPTION
1	OVERLAY 2.5" ASPHALT CONCRETE PAVEMENT SEE LHC TECH. SPEC. 02630 AND 02635.
2	ADJUST MANHOLE FRAME AND COVER PER MAG DETAIL 422, PROTECT IN PLACE
3	PROTECT IN PLACE EXISTING VALVE, ADJUST WATER VALVE CONCRETE COLLAR PER MAG DETAIL 391-2
5	RAISE NEW WATER VALVE CONCRETE COLLAR TO GRADE PER MAG DETAIL 391-2

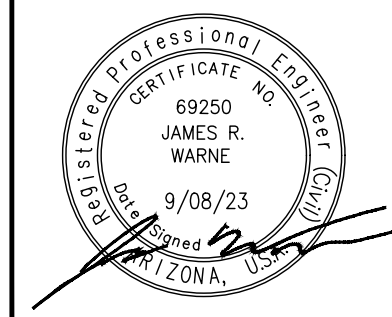
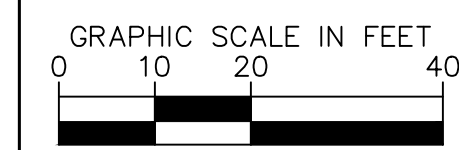


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LAKE HAVASU CITY
CITY CORE PAVING RECONSTRUCTION

Designed by: JRW
 Drawn by: JWL
 Checked by: ACB
 Date: 09/08/23
 Dwg scale: 1"=20'

**SWANSON AVE
ROADWAY PLAN
STA 216+00 TO
STA 224+00**

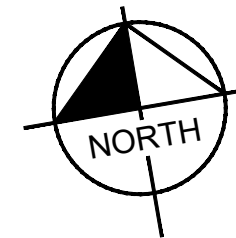
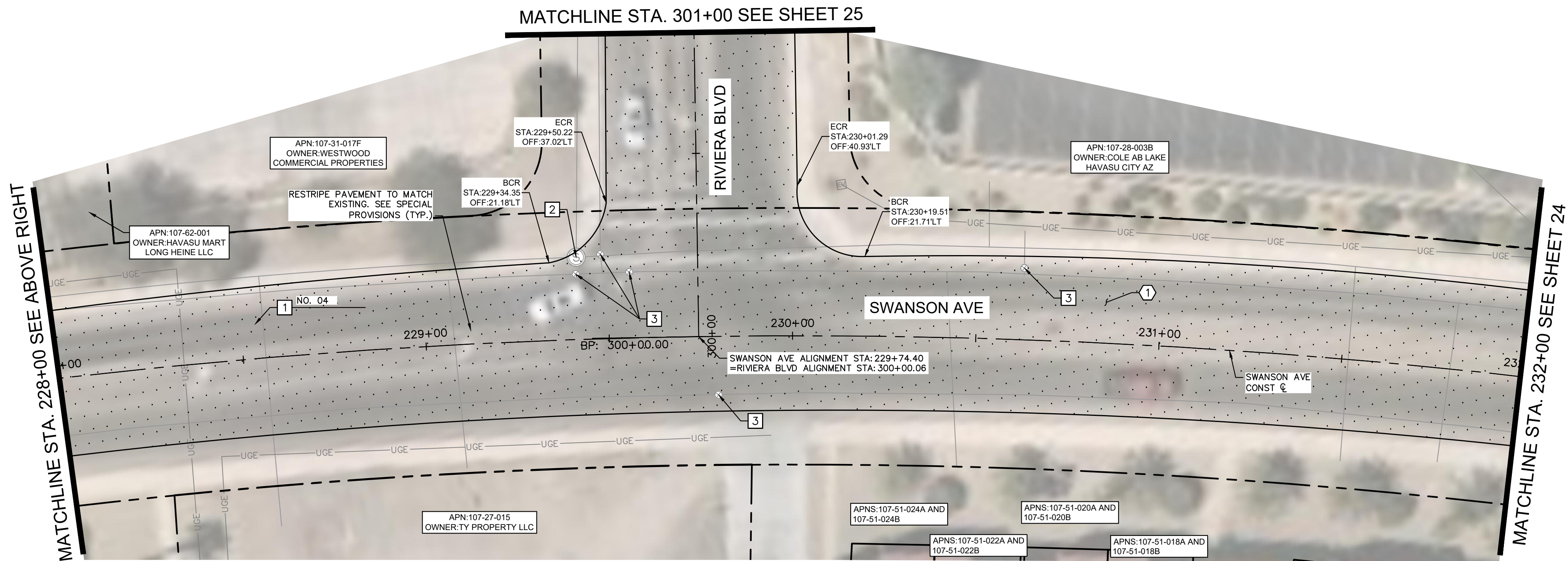
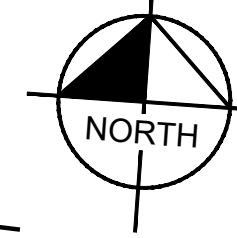
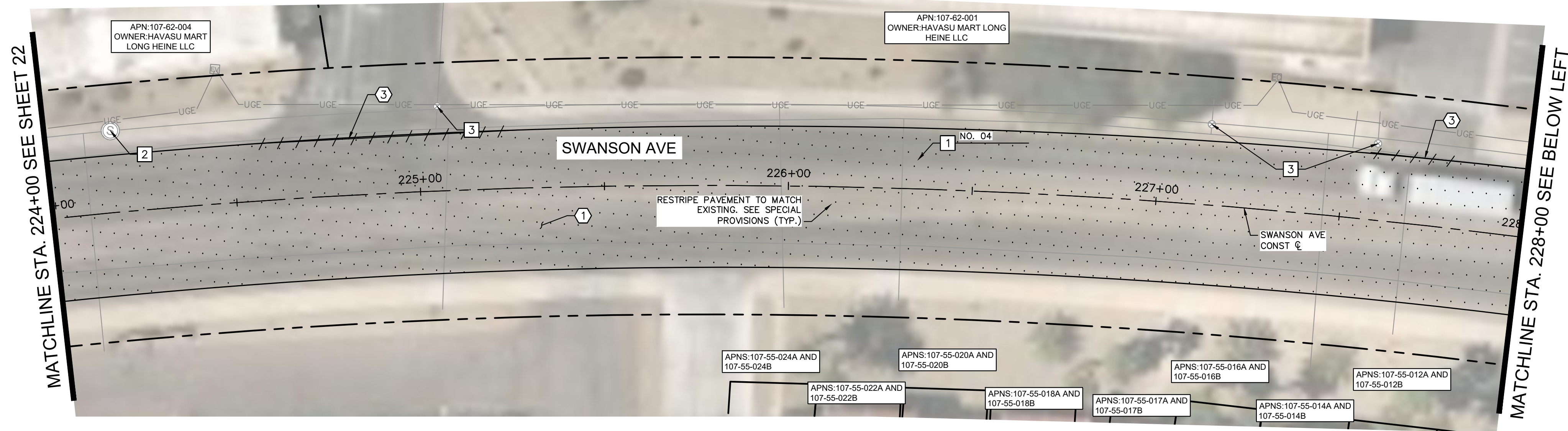


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Sheet Number:
RD11
 Sheet 22 OF 41

FILE NAME&PATH: K:\PRS_ROADWAY\191245016 - LHC CITY CORE PAVING\CADD\SHEETS\RD11.DWG



REMOVAL NOTES	
NO	DESCRIPTION
①	MILL EXISTING ASPHALT PAVEMENT PER MAG SPEC. 317.
③	SAWCUT EXISTING PAVEMENT.

CONSTRUCTION NOTES	
NO	DESCRIPTION
①	OVERLAY 2.5" ASPHALT CONCRETE PAVEMENT SEE LHC TECH. SPEC. 02630 AND 02635.
②	ADJUST MANHOLE FRAME AND COVER PER MAG DETAIL 422, PROTECT IN PLACE
③	PROTECT IN PLACE EXISTING VALVE, ADJUST WATER VALVE CONCRETE COLLAR PER MAG DETAIL 391-2

		DATE	-	-	-	-
		REVISIONS / SUBMISSIONS	-	-	-	-
NO.	#	#	#	#	#	#

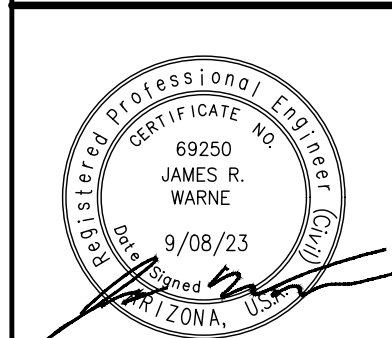
LAKE HAVASU CITY
CITY CORE PAVING RECONSTRUCTION

Designed by: JRW
 Drawn by: JWL
 Checked by: ACB
 Date: 09/08/23
 Dwg scale: 1"=20'

SWANSON AVE ROADWAY PLAN
 STA 224+00 TO STA 232+00

GRAPHIC SCALE IN FEET
 0 10 20 40

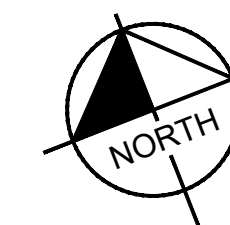
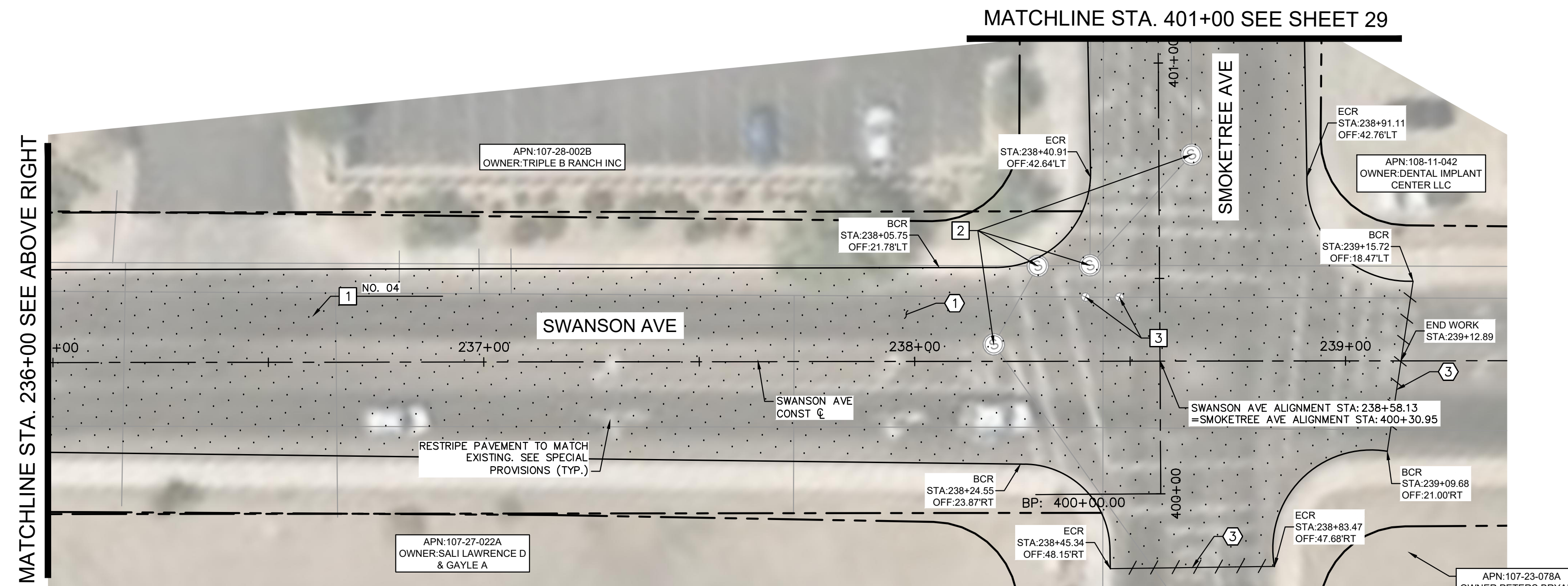
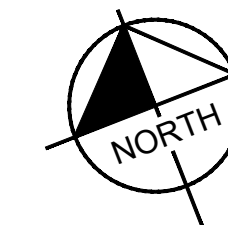
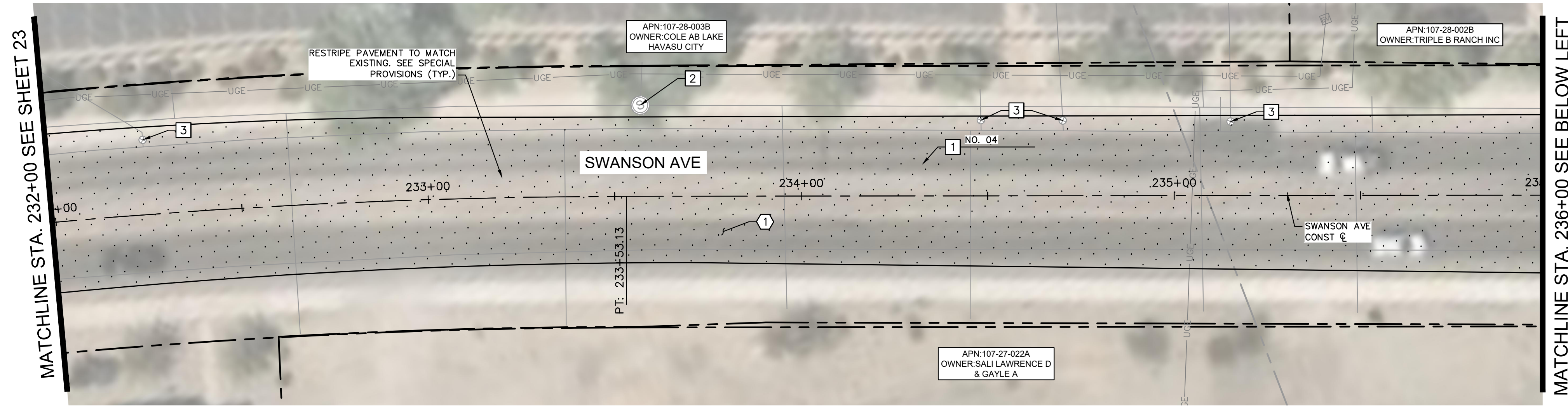
Call at least two full working days before you begin excavation.
ARIZONA 811
 Arizona Dug Stone, Inc.
 Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
 In Maricopa County: (602) 263-1100



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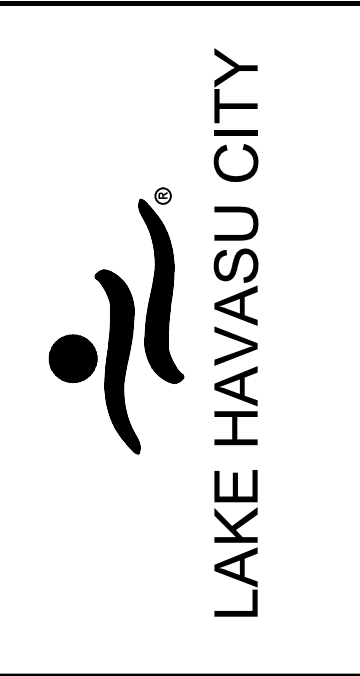
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Sheet Number:
RD12
 Sheet 23 OF 41



REMOVAL NOTES	
NO	DESCRIPTION
1	MILL EXISTING ASPHALT PAVEMENT PER MAG SPEC. 317.
3	SAWCUT EXISTING PAVEMENT.

CONSTRUCTION NOTES	
NO	DESCRIPTION
1	OVERLAY 2.5" ASPHALT CONCRETE PAVEMENT SEE LHC TECH. SPEC. 02630 AND 02635.
2	ADJUST MANHOLE FRAME AND COVER PER MAG DETAIL 422, PROTECT IN PLACE
3	PROTECT IN PLACE EXISTING VALVE, ADJUST WATER VALVE CONCRETE COLLAR PER MAG DETAIL 391-2

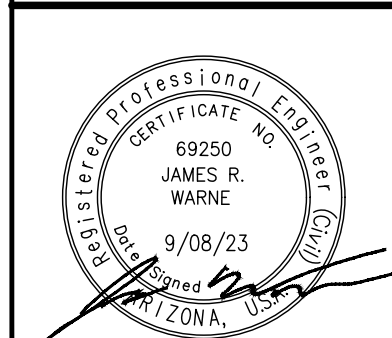
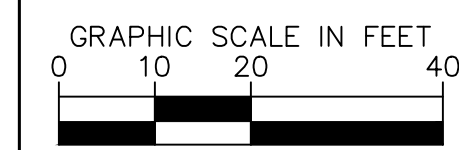


NO.	REVISIONS / SUBMISSIONS		DATE
	#	#	
	-	-	-
	-	-	-
	-	-	-
	-	-	-

LAKE HAVASU CITY
CITY CORE PAVING RECONSTRUCTION

Designed by: JRW
 Drawn by: JWL
 Checked by: ACB
 Date: 09/08/23
 Dwg scale: 1"=20'

SWANSON AVE ROADWAY PLAN
 STA 232+00 TO STA END



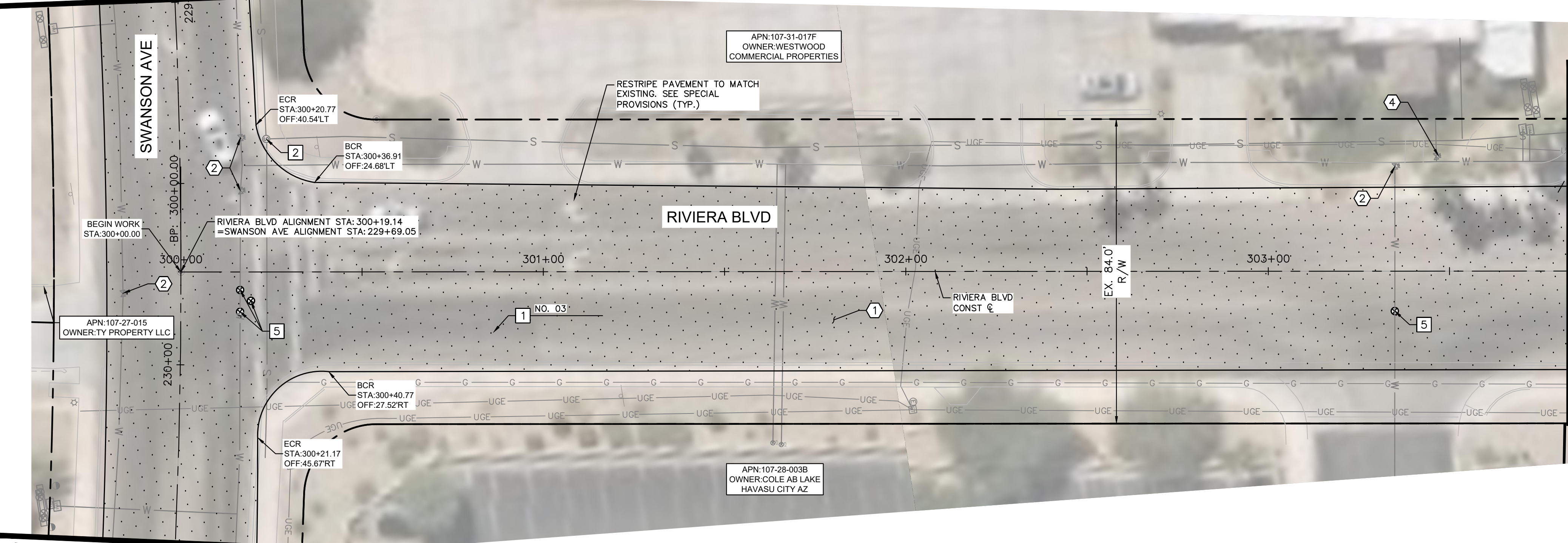
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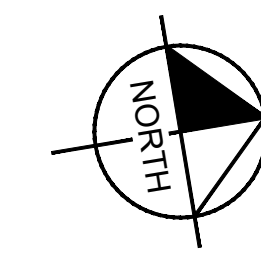
Sheet Number:
RD13
 Sheet 24 OF 41

FILE NAME&PATH: K:\PRS_ROADWAY\191245016 - LHC CITY CORE PAVING\CADD\SHEETS\RD14.DWG

MATCHLINE STA. 229+00 SEE SHEET 23

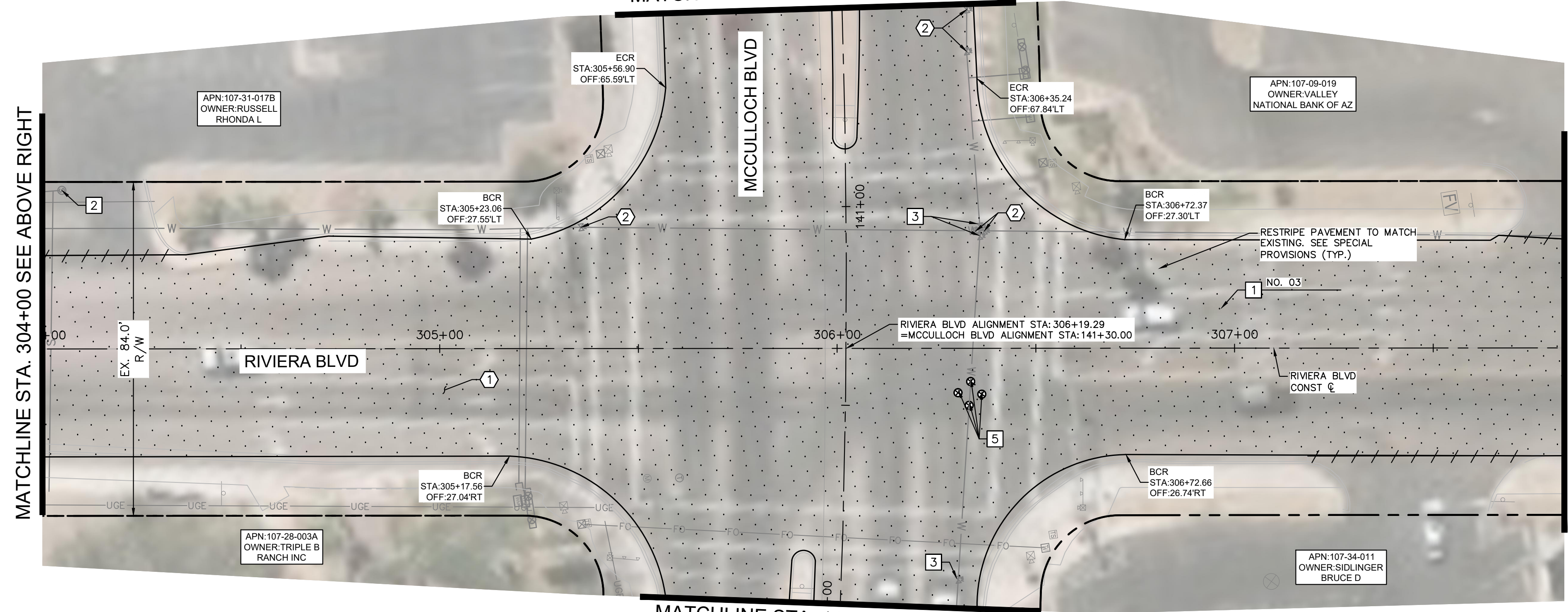


MATCHLINE STA. 230+50 SEE SHEET 23

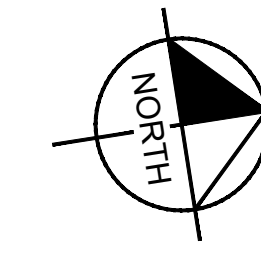


MATCHLINE STA. 304+00 SEE BELOW LEFT

MATCHLINE STA. 140+50 SEE SHEET 18



MATCHLINE STA. 142+00 SEE SHEET 18



MATCHLINE STA. 308+00 SEE SHEET 26

REMOVAL NOTES	
NO	DESCRIPTION
1	MILL EXISTING ASPHALT PAVEMENT PER MAG SPEC. 317.
2	REMOVE AND SALVAGE EXISTING WATER VALVE BOX AND ABANDON EXISTING VALVE PER TECH. SPEC. 02550.

CONSTRUCTION NOTES	
NO	DESCRIPTION
1	OVERLAY 2.5" ASPHALT CONCRETE PAVEMENT SEE LHC TECH. SPEC. 02630 AND 02635.
2	ADJUST MANHOLE FRAME AND COVER PER MAG DETAIL 422, PROTECT IN PLACE
3	PROTECT IN PLACE EXISTING VALVE, ADJUST WATER VALVE CONCRETE COLLAR PER MAG DETAIL 391-2
5	RAISE NEW WATER VALVE CONCRETE COLLAR TO GRADE PER MAG DETAIL 391-2

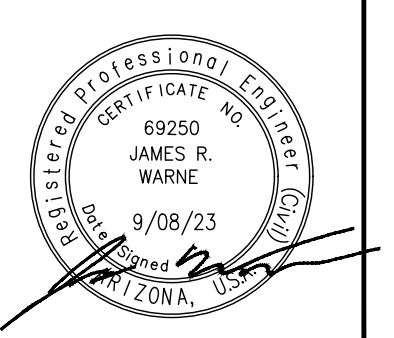
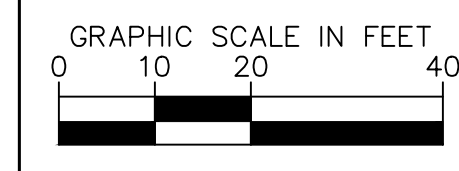


NO.	#	REVISIONS / SUBMISSIONS	DATE

LAKE HAVASU CITY
CITY CORE PAVING RECONSTRUCTION

Designed by: JRW
 Drawn by: JWL
 Checked by: ACB
 Date: 09/08/23
 Dwg scale: 1"=20'

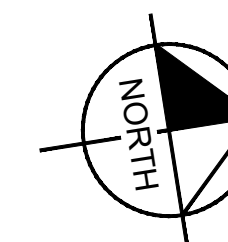
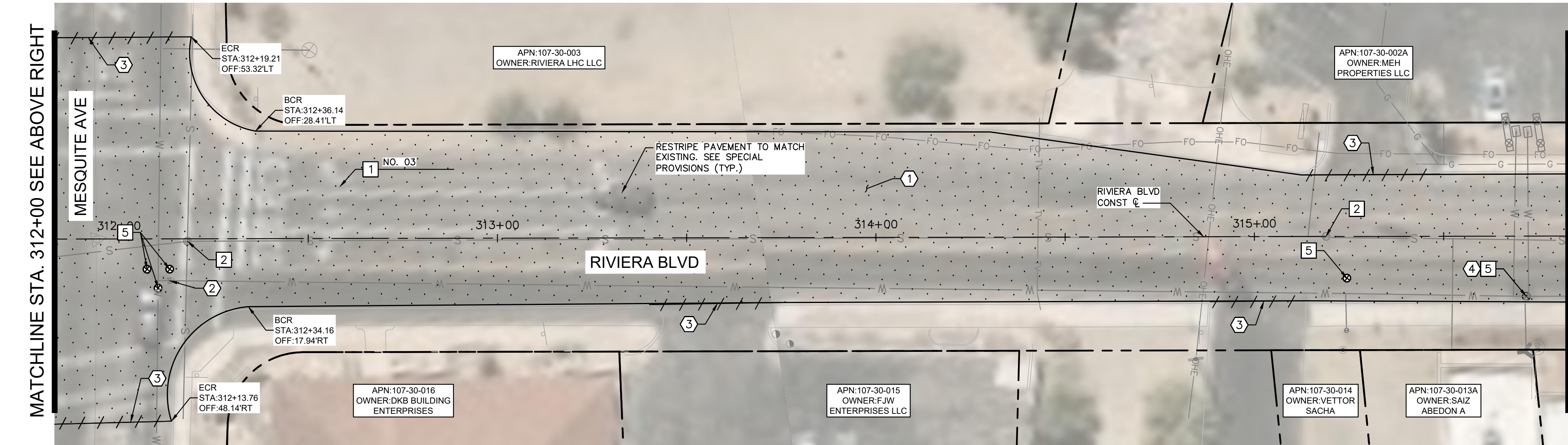
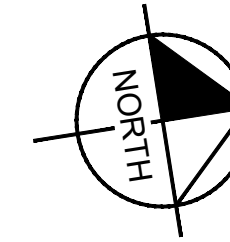
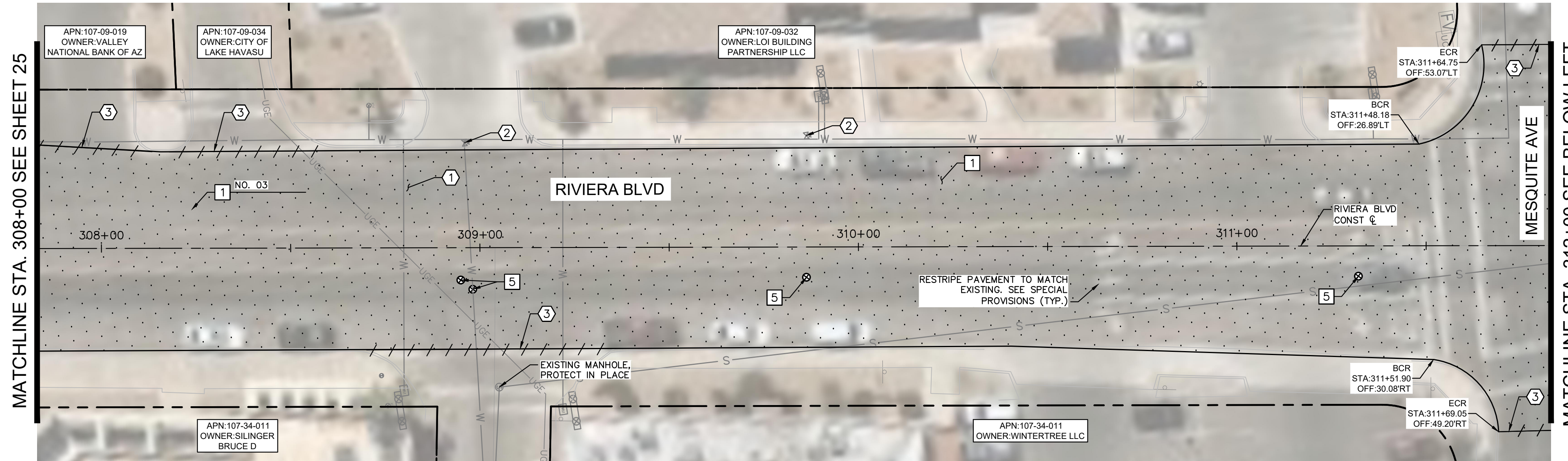
RIVIERA BLVD ROADWAY PLAN
STA 300+00 TO STA 308+00



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Sheet Number:
RD14
 Sheet 25 OF 41

FILE NAME&PATH: K:\PRS_ROADWAY\191245016 - LHC CITY CORE PAVING\CADD\SHEETS\RD15.DWG



REMOVAL NOTES	
DESCRIPTION	
1 MILL EXISTING ASPHALT PAVEMENT PER MAG SPEC. 317.	
2 REMOVE AND SALVAGE EXISTING WATER VALVE BOX AND ABANDON EXISTING VALVE PER TECH. SPEC. 02550.	
3 SAWCUT EXISTING PAVEMENT.	
4 REMOVE EXISTING GATE VALVE PER LHC TECH. SPEC. 02550.	

CONSTRUCTION NOTES	
NO	DESCRIPTION
1	OVERLAY 2.5" ASPHALT CONCRETE PAVEMENT SEE LHC TECH. SPEC. 02630 AND 02635.
2	ADJUST MANHOLE FRAME AND COVER PER MAG DETAIL 422, PROTECT IN PLACE
5	RAISE NEW WATER VALVE CONCRETE COLLAR TO GRADE PER MAG DETAIL 391-2

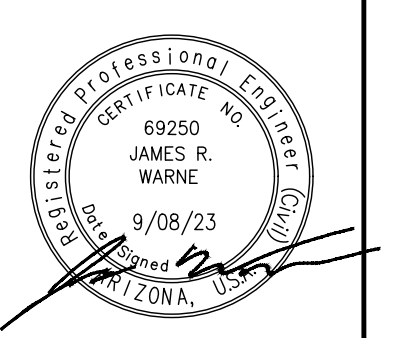
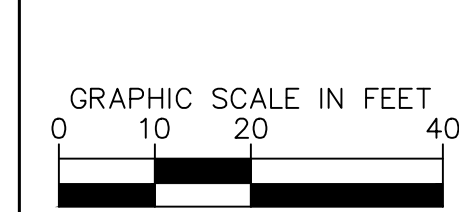


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#	-	-
#	-	-

LAKE HAVASU CITY
CITY CORE PAVING RECONSTRUCTION

Designed by: JRW
 Drawn by: JWL
 Checked by: ACB
 Date: 09/08/23
 Dwg scale: 1"=20'

RIVIERA BLVD ROADWAY PLAN
STA 308+00 TO STA 316+00

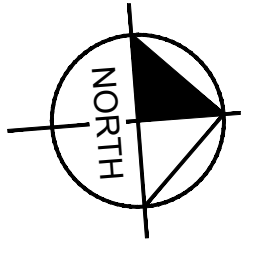
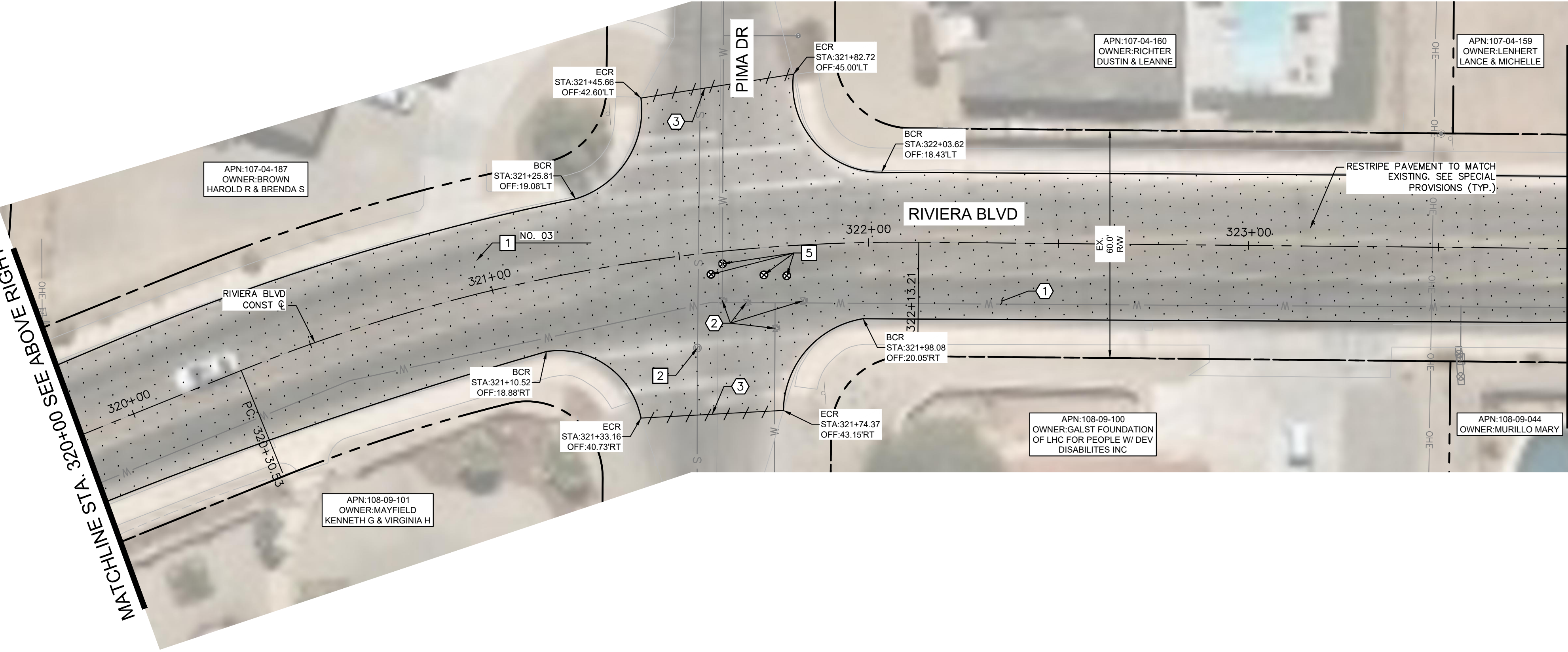
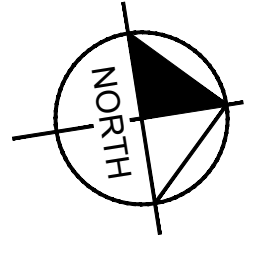
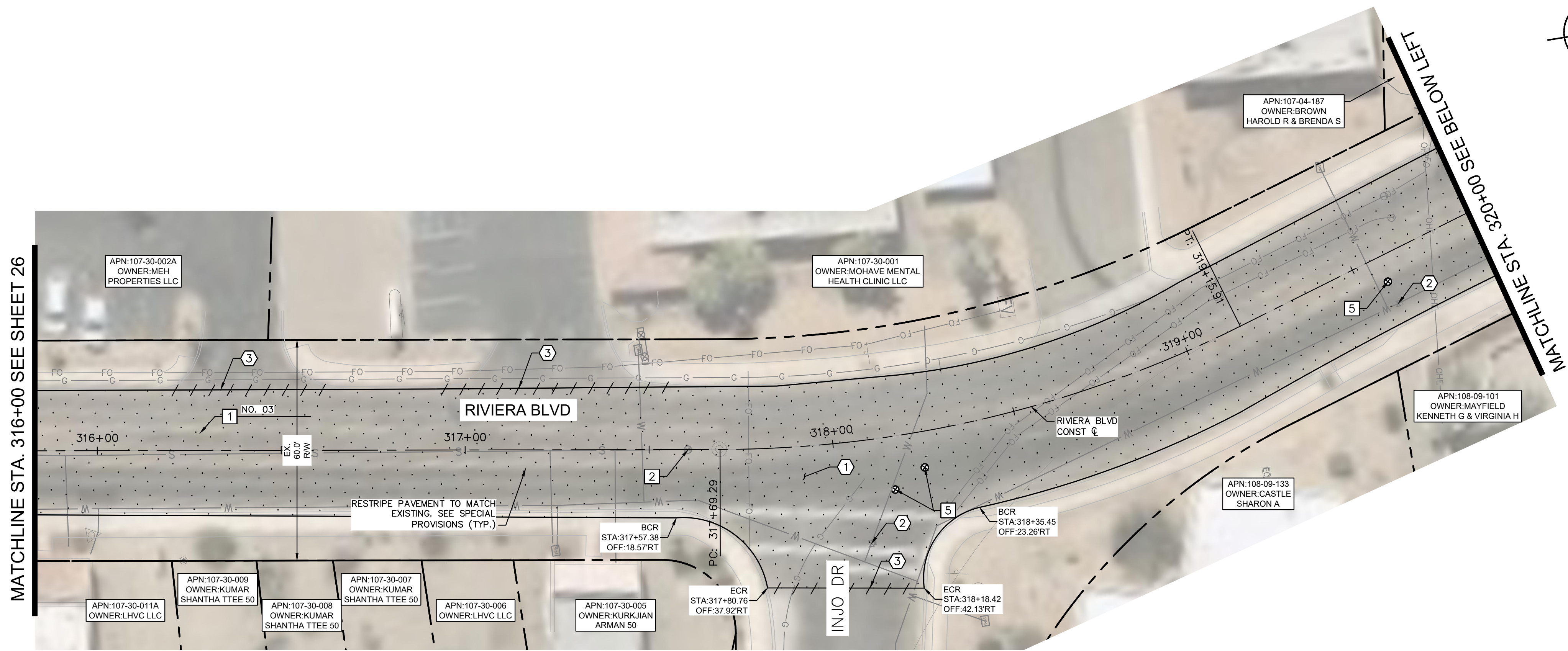


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Sheet Number:
RD15
 Sheet 26 OF 41

FILE NAME&PATH: K:\PRS_ROADWAY\191245016 - LHC CITY CORE PAVING\GADD\SHEETS\RD16.DWG



REMOVAL NOTES	
NO	DESCRIPTION
1	MILL EXISTING ASPHALT PAVEMENT PER MAG SPEC. 317.
2	REMOVE AND SALVAGE EXISTING WATER VALVE BOX AND ABANDON EXISTING VALVE PER TECH. SPEC. 02550.
3	SAWCUT EXISTING PAVEMENT.

CONSTRUCTION NOTES	
NO	DESCRIPTION
1	OVERLAY 2.5" ASPHALT CONCRETE PAVEMENT SEE LHC TECH. SPEC. 02630 AND 02635.
2	ADJUST MANHOLE FRAME AND COVER PER MAG DETAIL 422, PROTECT IN PLACE
5	RAISE NEW WATER VALVE CONCRETE COLLAR TO GRADE PER MAG DETAIL 391-2

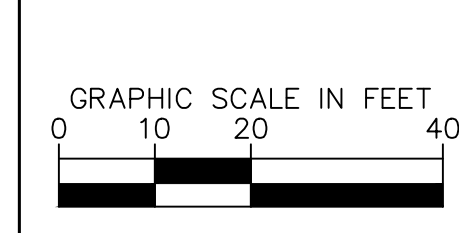


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LAKE HAVASU CITY
CITY CORE PAVING RECONSTRUCTION

Designed by: JRW
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 Checked by: ACB
 Date: 09/08/23
 Dwg scale: 1"=20'

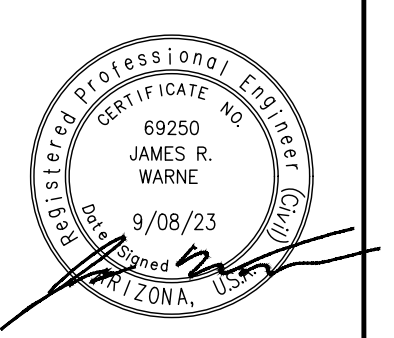
RIVIERA BLVD ROADWAY PLAN
STA 316+00 TO STA 324+00



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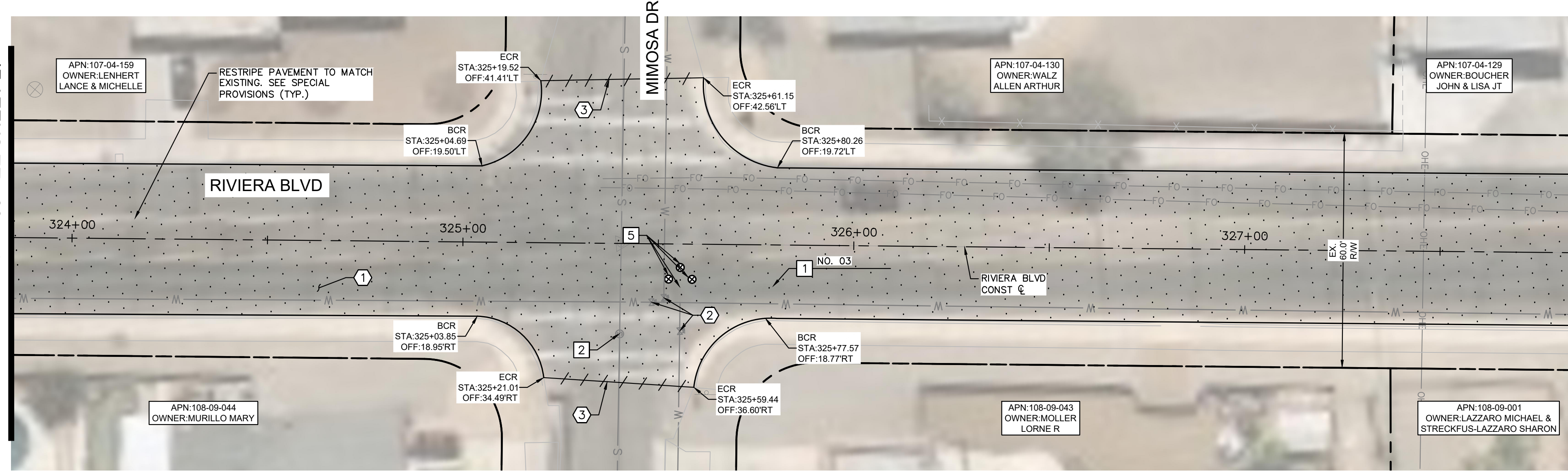


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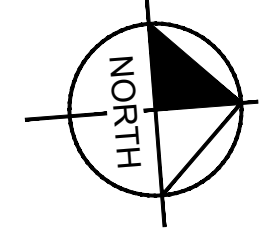
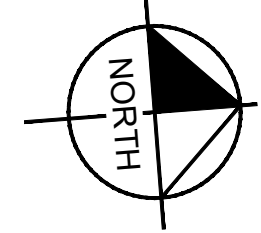
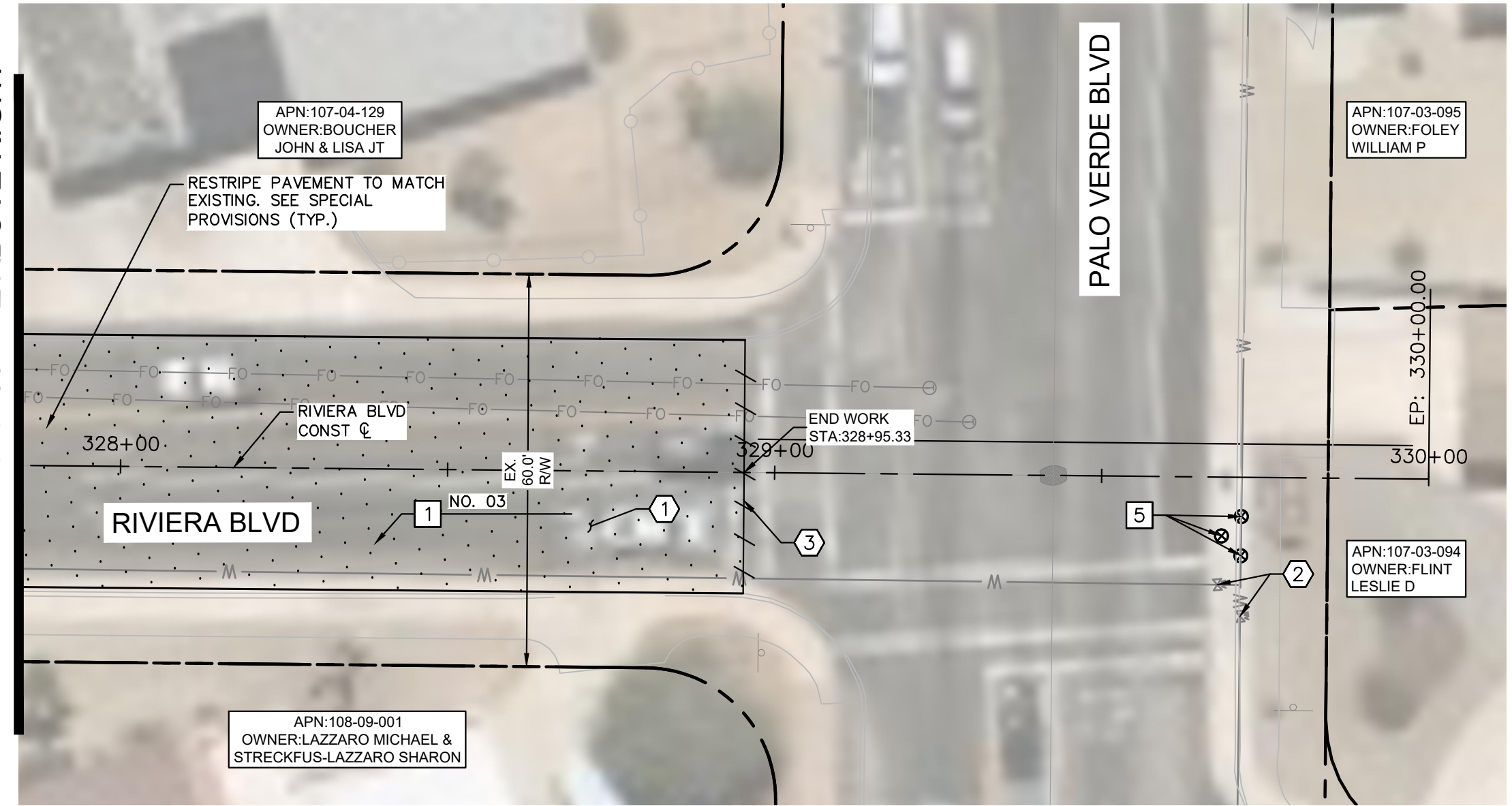
Sheet Number:
RD16
 Sheet 27 OF 41

MATCHLINE STA. 324+00 SEE SHEET 27



MATCHLINE STA. 328+00 SEE BELOW LEFT

MATCHLINE STA. 328+00 SEE ABOVE RIGHT



REMOVAL NOTES	
NO	DESCRIPTION
1	MILL EXISTING ASPHALT PAVEMENT PER MAG SPEC. 317.
2	REMOVE AND SALVAGE EXISTING WATER VALVE BOX AND ABANDON EXISTING VALVE PER TECH. SPEC. 02550.
3	SAWCUT EXISTING PAVEMENT.

CONSTRUCTION NOTES	
NO	DESCRIPTION
1	OVERLAY 2.5" ASPHALT CONCRETE PAVEMENT SEE LHC TECH. SPEC. 02630 AND 02635.
2	ADJUST MANHOLE FRAME AND COVER PER MAG DETAIL 422, PROTECT IN PLACE
5	RAISE NEW WATER VALVE CONCRETE COLLAR TO GRADE PER MAG DETAIL 391-2

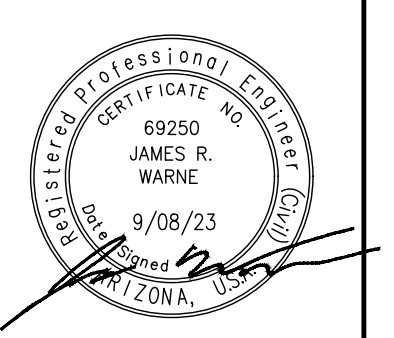
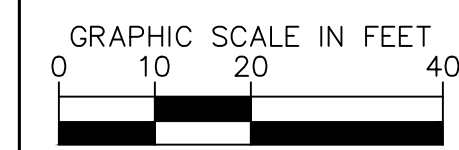


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LAKE HAVASU CITY
CITY CORE PAVING RECONSTRUCTION

Designed by: JRW
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 Checked by: ACB
 Date: 09/08/23
 Dwg scale: 1"=20'

**RIVIERA BLVD
ROADWAY PLAN
STA 324+00 TO
STA END**

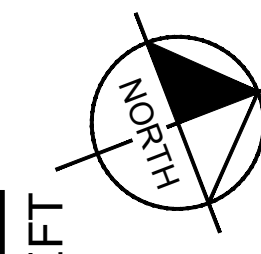
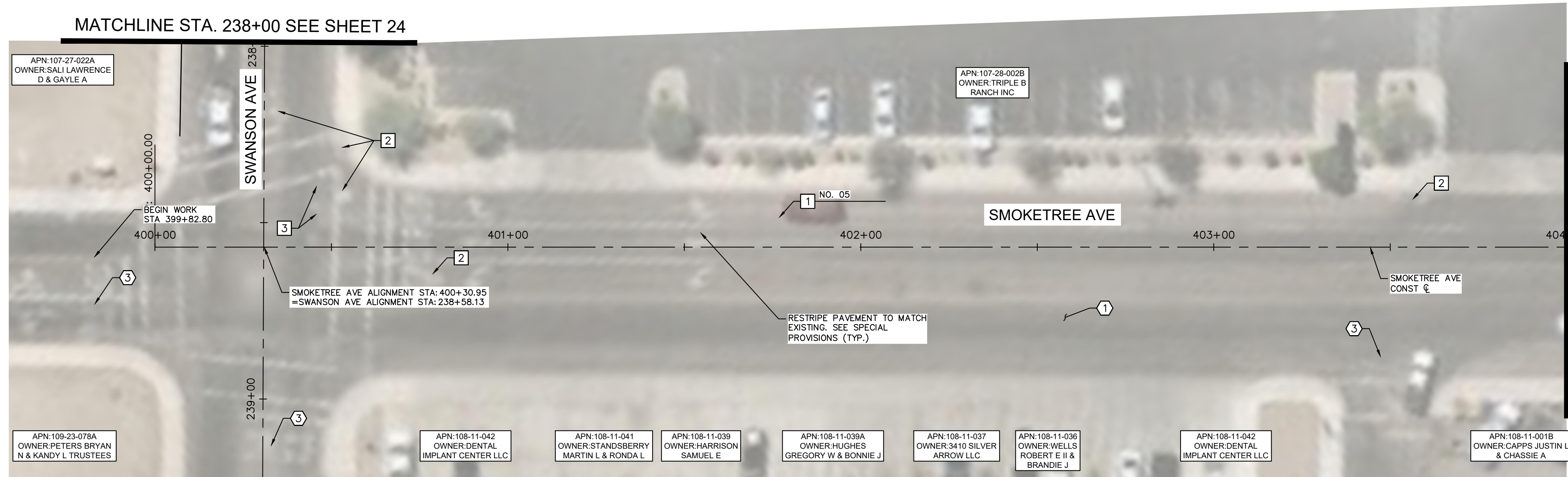


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Sheet Number:
RD17
 Sheet 28 OF 41

FILE NAME&PATH: K:\PRS_ROADWAY\191245016 - LHC CITY CORE PAVING\CADD\SHEETS\RD18.DWG



MATCHLINE STA. 404+00 SEE BELOW LEFT

REMOVAL NOTES

NO	DESCRIPTION
①	MILL EXISTING ASPHALT PAVEMENT PER MAG SPEC. 317.
③	SAWCUT EXISTING PAVEMENT.

CONSTRUCTION NOTES

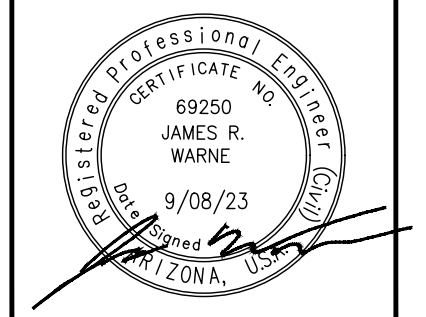
NO	DESCRIPTION
①	OVERLAY 2.5" ASPHALT CONCRETE PAVEMENT SEE LHC TECH. SPEC. 02630 AND 02635.
②	ADJUST MANHOLE FRAME AND COVER PER MAG DETAIL 422, PROTECT IN PLACE
③	PROTECT IN PLACE EXISTING VALVE, ADJUST WATER VALVE CONCRETE COLLAR PER MAG DETAIL 391-2

LAKE HAVASU CITY		DATE
NO.	#	
REVISIONS / SUBMISSIONS	#	
	#	
	#	
	#	

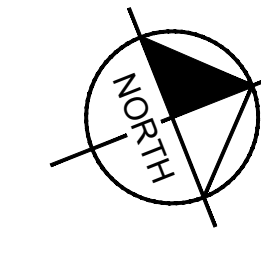
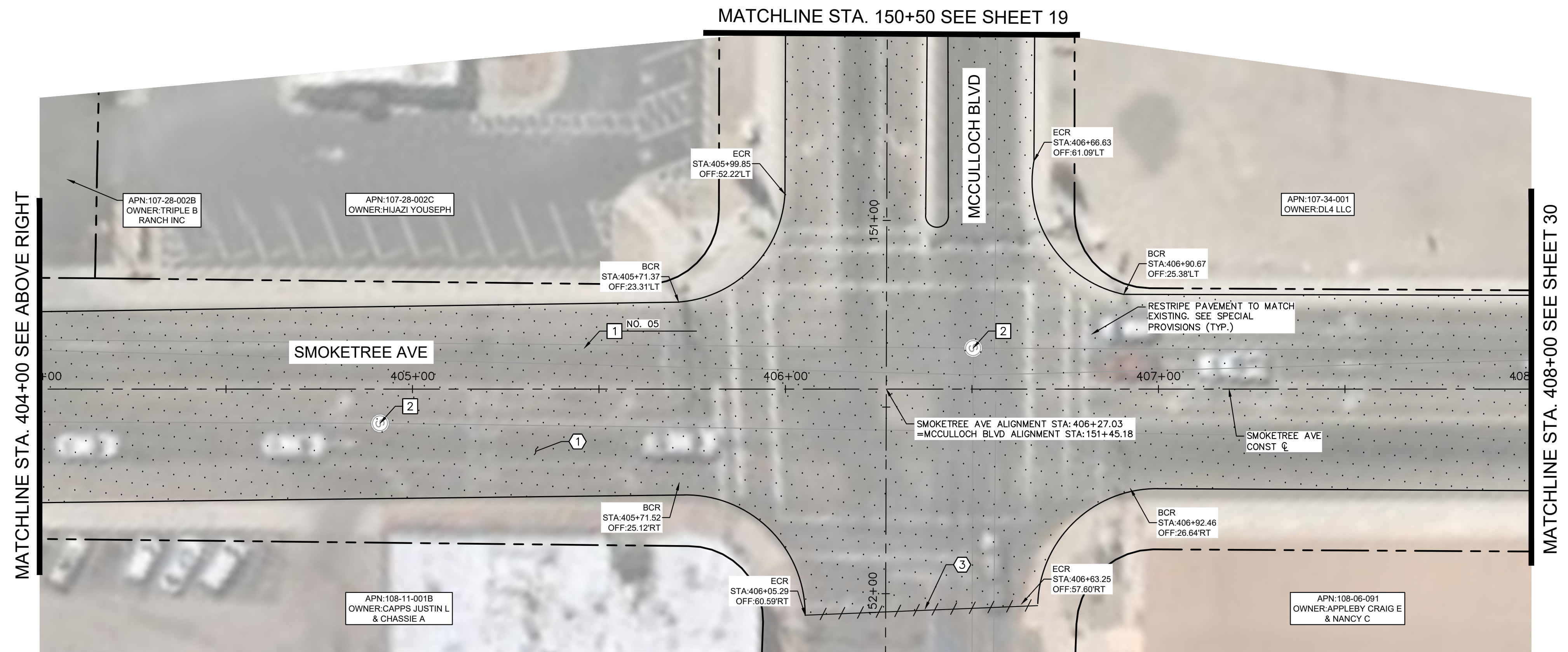
LAKE HAVASU CITY
CITY CORE PAVING RECONSTRUCTION

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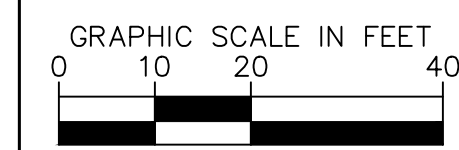
SMOKETREE AVE ROADWAY PLAN
 STA 400+00 TO STA 408+00



Sheet Number:
RD18
 Sheet 29 OF 41



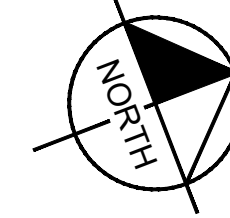
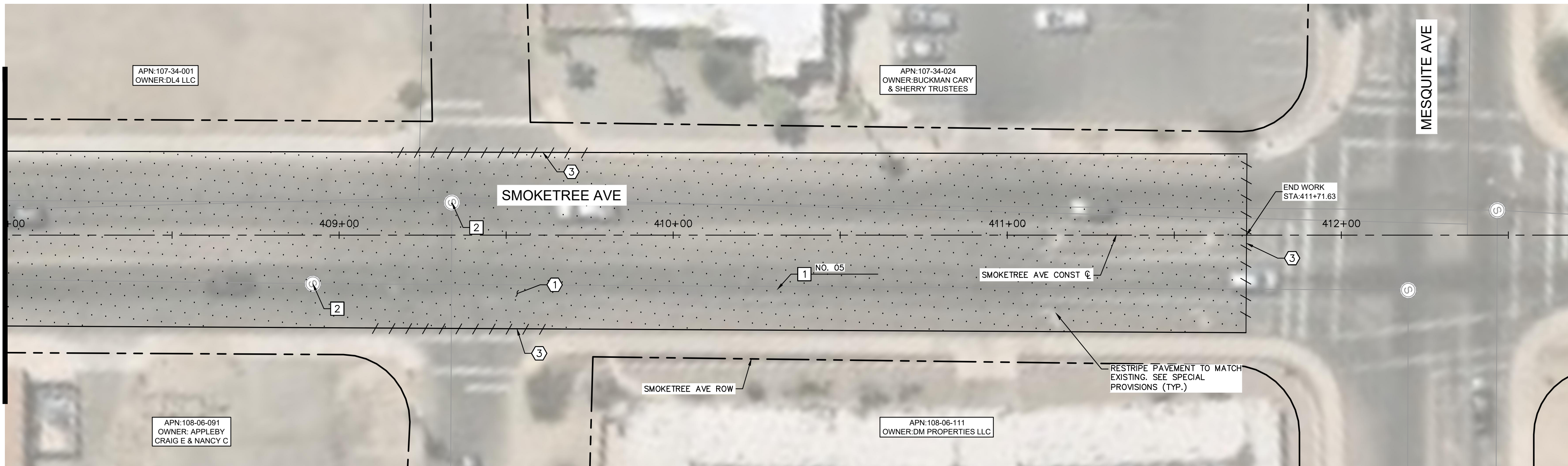
MATCHLINE STA. 408+00 SEE SHEET 30



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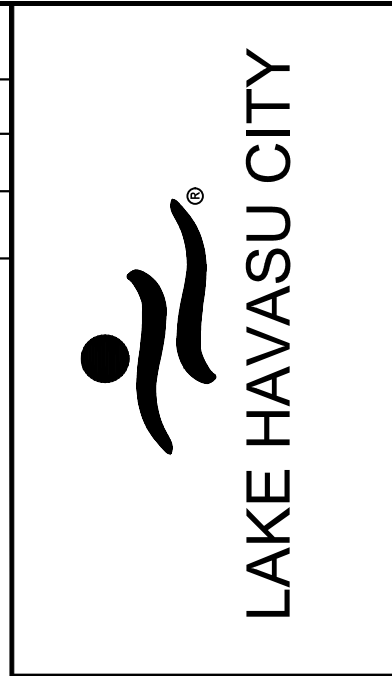
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MATCHLINE STA. 408+00 SEE SHEET 29



REMOVAL NOTES	
NO	DESCRIPTION
①	MILL EXISTING ASPHALT PAVEMENT PER MAG SPEC. 317.
③	SAWCUT EXISTING PAVEMENT.

CONSTRUCTION NOTES	
NO	DESCRIPTION
①	OVERLAY 2.5" ASPHALT CONCRETE PAVEMENT SEE LHC TECH. SPEC. 02630 AND 02635.
②	ADJUST MANHOLE FRAME AND COVER PER MAG DETAIL 422, PROTECT IN PLACE.



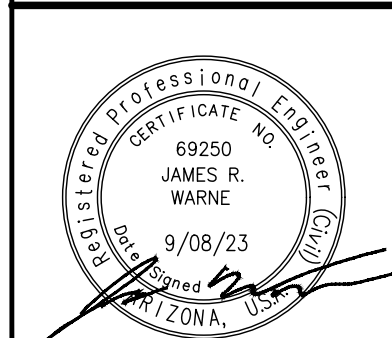
NO.	REVISIONS / SUBMISSIONS	DATE
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LAKE HAVASU CITY
CITY CORE PAVING RECONSTRUCTION

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 Checked by: ACB
 Date: 09/08/23
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**SMOKETREE AVE
 ROADWAY PLAN
 STA 408+00 TO
 STA END**

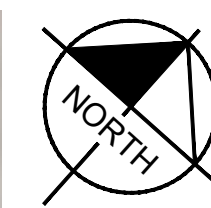
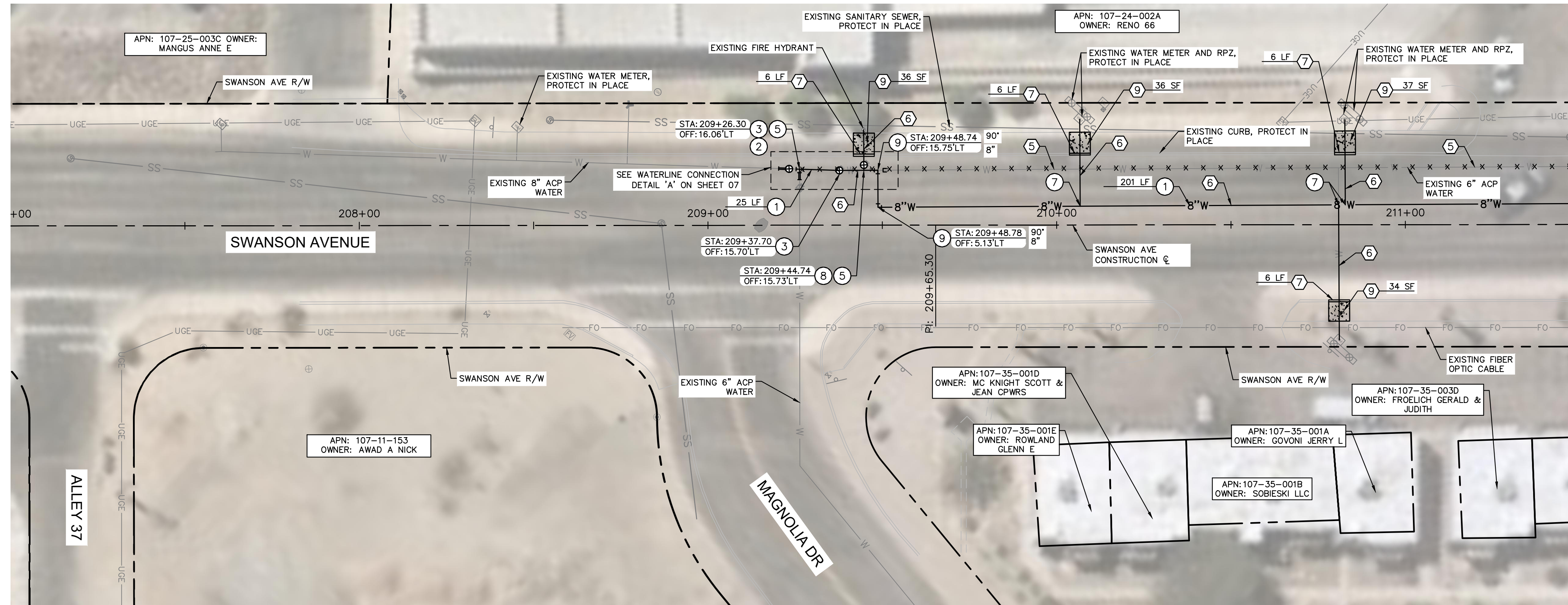
GRAPHIC SCALE IN FEET
 0 10 20 40



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Sheet Number:
RD19
 Sheet 30 OF 41

FILE NAME & PATH: K:\PRS_ROADWAY\191245016 - LHC CITY CORE PAVING\CADD\SHEETS\WT01.DWG



MATCHLINE STA. 211+50 SEE SHEET 32

REMOVAL NOTES	
NO	DESCRIPTION
5	ABANDON EXISTING WATER MAIN IN PLACE AND CAP ENDS PER LHC TECH. SPEC. 02550.
6	SAWCUT, REMOVE, AND REPLACE (6'-WIDE) EXISTING PAVEMENT IN KIND. UTILITY TRENCH PATCH PER LHC STD. DTL. 200
7	REMOVE AND REPLACE EXISTING CURB PER LHC STD. DTL. 213.
9	REMOVE AND REPLACE EXISTING SIDEWALK PER LHC STD. DTL. 216.

WATER NOTES	
NO	DESCRIPTION
1	INSTALL 8" PVC C900 DR14 WATER MAIN PER LHC TECH. SPEC. 02550 AND UTILITY TRENCH PER LHC STD. DTL. 200. LENGTH PER PLAN.
2	CONNECT TO EXISTING WATER MAIN USING FLEX COUPLINGS. SIZE PER PLAN.
3	INSTALL GATE VALVE WITH RISER PER LHC STD. DTL. 300. SIZE IS 8" UNLESS OTHERWISE NOTED.
5	INSTALL 8"x6" DI TEE WITH RESTRAINED JOINT PER LHC TECH. SPEC. 02550.
7	INSTALL SADDLE AND COPPER SERVICE ASSEMBLY IN LIKE SIZE PER LHC STD. DTL. 301 & 303. CONNECT TO EXISTING METER OR IRRIGATION VALVE.
8	INSTALL FIRE LINE AND RECONNECT EXISTING HYDRANT ASSEMBLY PER LHC STD. DTL. 320.
9	INSTALL DI BEND WITH RESTRAINED JOINT PER LHC TECH. SPEC. 02550. SIZE AND ANGLE PER PLAN.

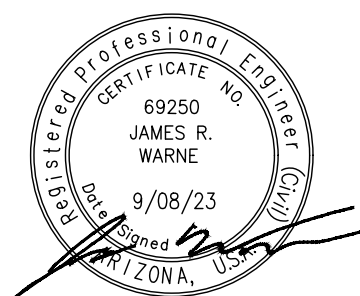


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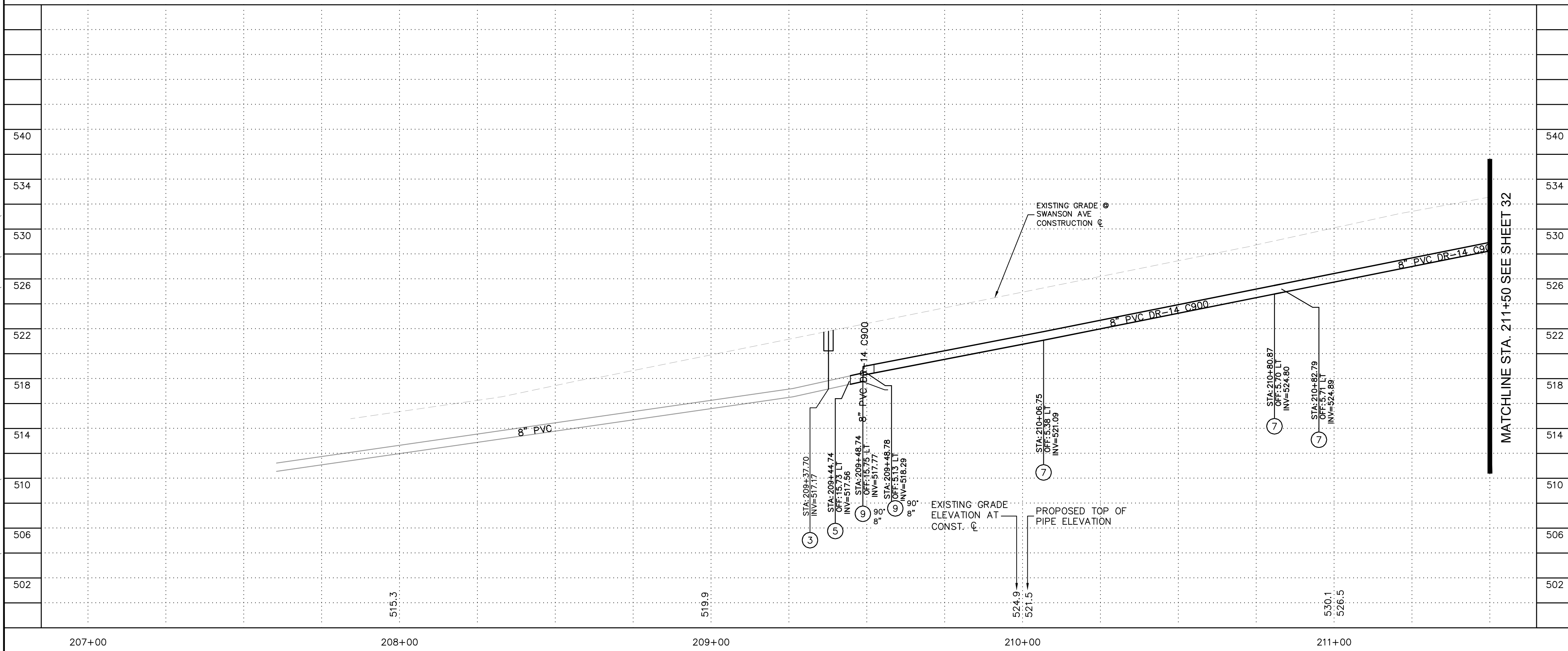
LAKE HAVASU CITY
CITY CORE PAVING RECONSTRUCTION

Designed by: JRW
 Drawn by: WJL
 Checked by: ACB
 Date: 09/08/23
 Dwg scale: 1"=20'

**SWANSON AVE
WATERLINE PLAN
AND PROFILE**



Sheet Number:
WT01
Sheet 31 OF 41



NOTES TO CONTRACTOR:

- ACP SHALL BE REMOVED AT THE NEAREST JOINT PER SPECIFICATION SECTION 02050.
- CONNECTION DETAIL SHOWING INSTALLATION OF NEW WATERLINE AND PERTINENT REMOVALS MAY REQUIRE PHASING. CONTRACTOR SHALL CONSIDER WORK SEQUENCE BY MEANS AND METHODS.
- ALL FITTINGS SHALL BE RESTRAINED MECHANICAL JOINT UNLESS OTHERWISE SPECIFIED USING JOINT RESTRAINT TABLE.
- RESTRAINED JOINTS SHALL BE USED IN LIEU OF THRUST BLOCKS WHERE LENGTHS CAN FIT. RESTRAINT LENGTHS PER RESTRAINT TABLE ON SHEET 07.
- CONTRACTOR SHALL POTHOLE AND TAKE ALL REASONABLE EFFORT AND ACTION TO SATISFY HIMSELF ON THE HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UTILITIES PRIOR TO INSTALLATION OF NEW MAIN. CONTRACTOR WILL BE RESPONSIBLE FOR FIELD ADJUSTMENTS REQUIRED TO CONNECT TO EXISTING MAINS SHOWN AT DIFFERENT ELEVATIONS THAN IN PLANS.
- WATERLINE SHALL BE INSTALLED AT THE ELEVATIONS SHOWN ON THE PLANS WITH THE INTENT OF 3 FEET OF COVER. CONTRACTOR SHALL MAINTAIN 3-FOOT MINIMUM COVER UNLESS OTHERWISE NOTED IN PLANS.
- CONTRACTOR SHALL PLACE FLOWABLE FILL PER DTL NO. 1 IN AREAS OF PUBLIC UTILITY MAIN CROSSINGS WHERE APPROPRIATE COMPACTION CANNOT BE MET.
- CONTRACTOR TO POTHOLE ANY/ALL POINTS OF CONNECTION FOR ALIGNMENT AND GRADE. CONTRACTOR SHALL TRANSITION FROM POINT OF CONNECTION AT SLOPE SHOWN TO OBTAIN AND MAINTAIN COVER. DO NOT USE FITTINGS WITHOUT PRIOR WRITTEN APPROVAL OF THE ENGINEER. A MINIMUM OF 3'-FEET OF COVER MUST BE MAINTAINED IN ACCORDANCE WITH LOCAL AND STATE STATUTE. CONTRACTOR SHALL BEAR ALL COSTS OF FITTINGS NOT SHOWN IN PLANS REQUIRED TO MAKE GRADE.

GRAPHIC SCALE IN FEET

HORIZONTAL

VERTICAL

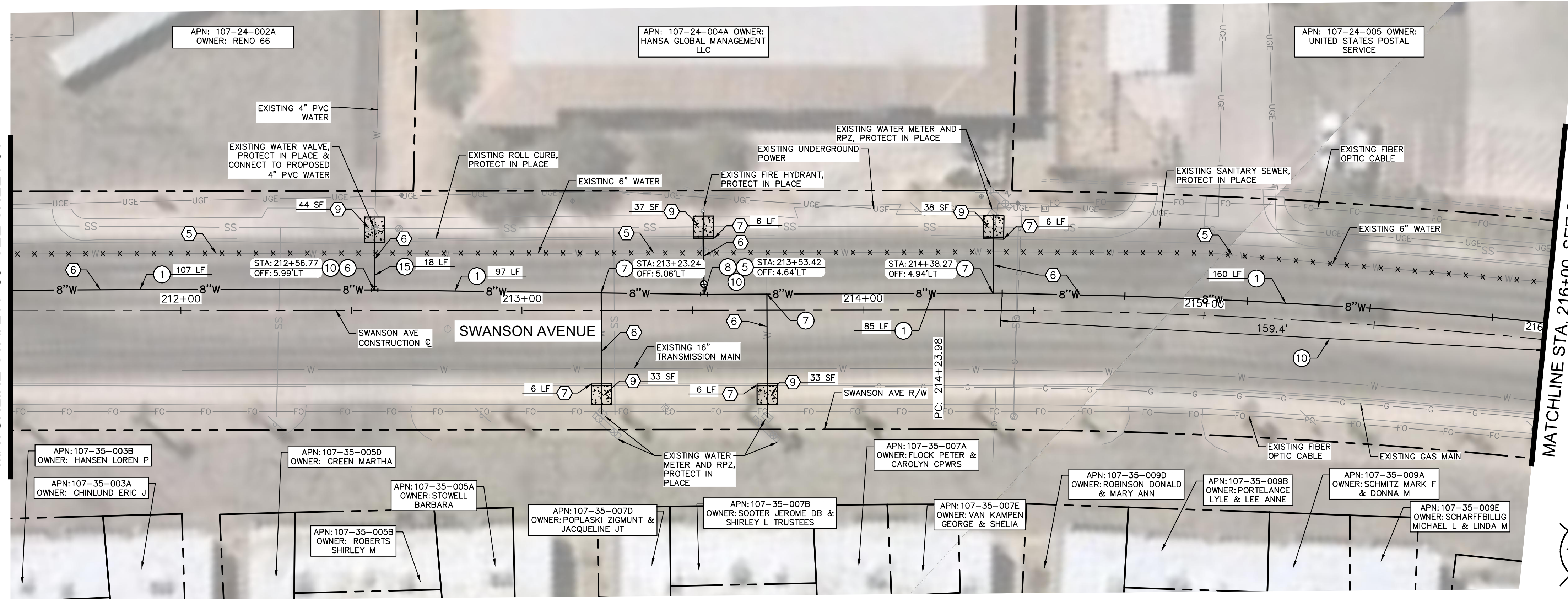
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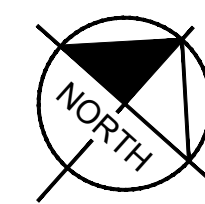
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MATCHLINE STA. 211+50 SEE SHEET 31



MATCHLINE STA. 216+00 SEE SHEET 33



REMOVAL NOTES	
NO	DESCRIPTION
5	ABANDON EXISTING WATER MAIN IN PLACE AND CAP ENDS PER LHC TECH. SPEC. 02550.
6	SAWCUT, REMOVE, AND REPLACE (6'-WIDE) EXISTING PAVEMENT IN KIND. UTILITY TRENCH PATCH PER LHC STD. DTL. 200.
7	REMOVE AND REPLACE EXISTING CURB PER LHC STD. DTL. 213.
9	REMOVE AND REPLACE EXISTING SIDEWALK PER LHC STD. DTL. 216.

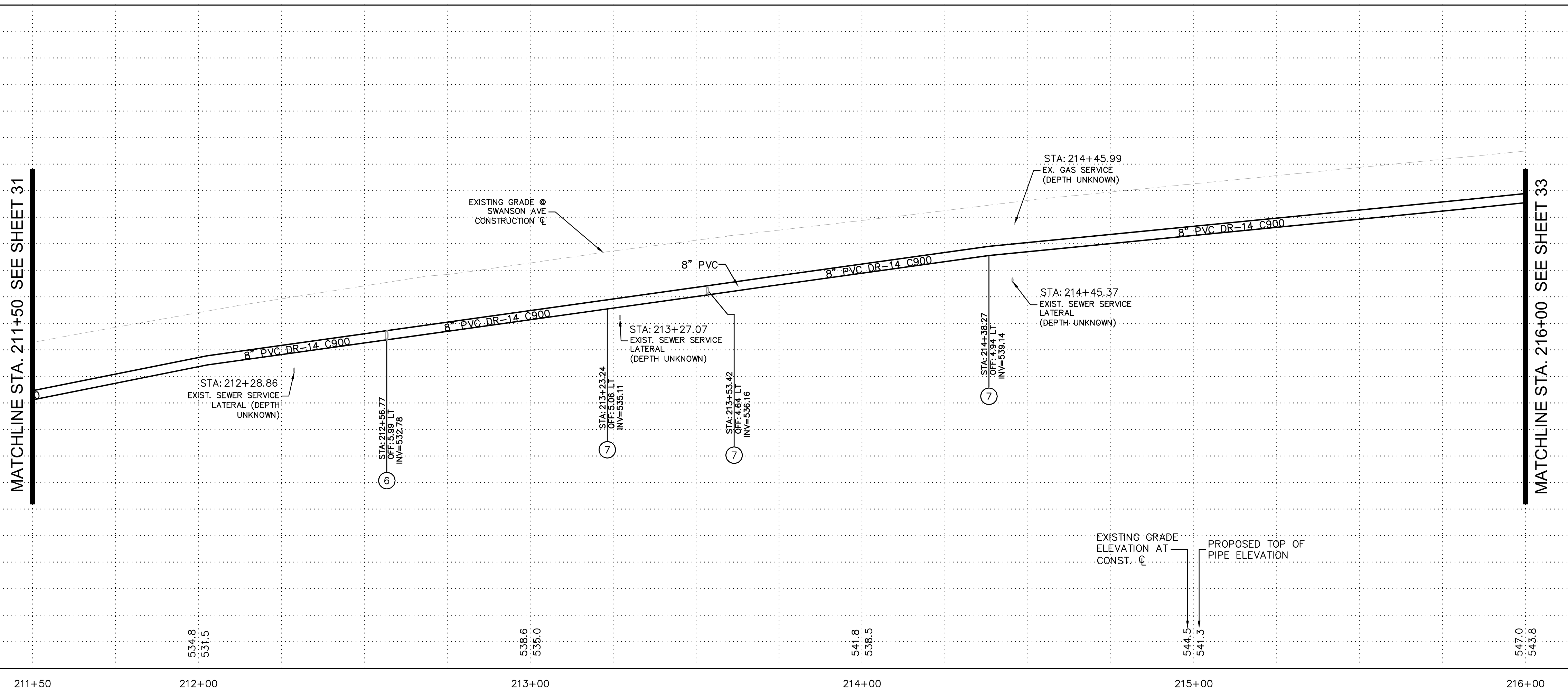
WATER NOTES	
NO	DESCRIPTION
1	INSTALL 8" PVC C900 DR14 WATER MAIN PER LHC TECH. SPEC. 02550 AND UTILITY TRENCH PER LHC STD. DTL. 200. LENGTH PER PLAN.
5	INSTALL 8"x6" DI TEE WITH RESTRAINED JOINT PER LHC TECH. SPEC. 02550.
6	INSTALL 8"x4" TEE WITH RESTRAINED JOINT PER LHC TECH. SPEC. 02550.
7	INSTALL SADDLE AND COPPER SERVICE ASSEMBLY IN LIKE SIZE PER LHC STD. DTL. 301 & 303. CONNECT TO EXISTING METER OR IRRIGATION VALVE.
8	INSTALL FIRE LINE AND RECONNECT EXISTING HYDRANT ASSEMBLY PER LHC STD. DTL. 320.
10	HORIZONTAL JOINT DEFLECTION PER MANUF. RECOMMENDATIONS.
15	INSTALL 6" PVC C900 DR14 WATER PIPE PER LHC TECH. SPEC. 02550 AND UTILITY TRENCH PER LHC STD. DTL. 200. LENGTH PER PLAN.

NO.	#	#	#	#
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DATE	-	-	-	-

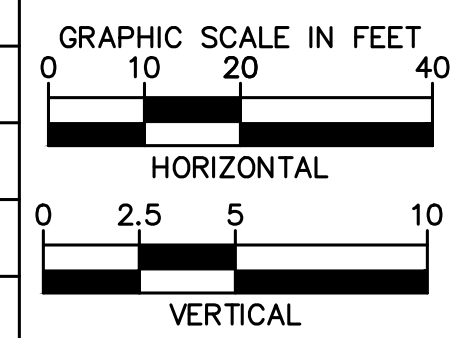
LAKE HAVASU CITY
CITY CORE PAVING RECONSTRUCTION

Designed by: JRW
 Drawn by: JWL
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 Dwg scale: 1"=20'

SWANSON AVE
WATERLINE PLAN
AND PROFILE

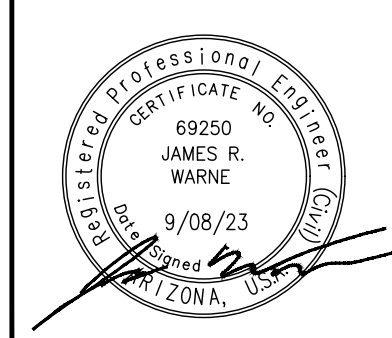


- NOTES TO CONTRACTOR:**
- ACP SHALL BE REMOVED AT THE NEAREST JOINT PER SPECIFICATION SECTION 02050.
 - CONNECTION DETAIL SHOWING INSTALLATION OF NEW WATERLINE AND PERTINENT REMOVALS MAY REQUIRE PHASING. CONTRACTOR SHALL CONSIDER WORK SEQUENCE BY MEANS AND METHODS.
 - ALL FITTINGS SHALL BE RESTRAINED MECHANICAL JOINT UNLESS OTHERWISE SPECIFIED USING JOINT RESTRAINT TABLE.
 - RESTRAINED JOINTS SHALL BE USED IN LIEU OF THRUST BLOCKS WHERE LENGTHS CAN FIT. RESTRAINT LENGTHS PER RESTRAINT TABLE ON SHEET 07.
 - CONTRACTOR SHALL POTHOLE AND TAKE ALL REASONABLE EFFORT AND ACTION TO SATISFY HIMSELF ON THE HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UTILITIES PRIOR TO INSTALLATION OF NEW MAIN. CONTRACTOR WILL BE RESPONSIBLE FOR FIELD ADJUSTMENTS REQUIRED TO CONNECT TO EXISTING MAINS SHOWN AT DIFFERENT ELEVATIONS THAN IN PLANS.
 - WATERLINE SHALL BE INSTALLED AT THE ELEVATIONS SHOWN ON THE PLANS WITH THE INTENT OF 3 FEET OF COVER. CONTRACTOR SHALL MAINTAIN 3-FOOT MINIMUM COVER UNLESS OTHERWISE NOTED IN PLANS.
 - CONTRACTOR SHALL PLACE FLOWABLE FILL PER DTL NO. 1 IN AREAS OF PUBLIC UTILITY MAIN CROSSINGS WHERE APPROPRIATE COMPACTION CANNOT BE MET.
 - CONTRACTOR TO POTHOLE ANY/ALL POINTS OF CONNECTION FOR ALIGNMENT AND GRADE. CONTRACTOR SHALL TRANSITION FROM POINT OF CONNECTION AT SLOPE SHOWN TO OBTAIN AND MAINTAIN COVER. DO NOT USE FITTINGS WITHOUT PRIOR WRITTEN APPROVAL OF THE ENGINEER. A MINIMUM OF 3'-FEET OF COVER MUST BE MAINTAINED IN ACCORDANCE WITH LOCAL AND STATE STATUTE. CONTRACTOR SHALL BEAR ALL COSTS OF FITTINGS NOT SHOWN IN PLANS REQUIRED TO MAKE GRADE.



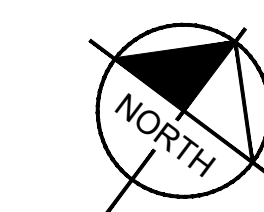
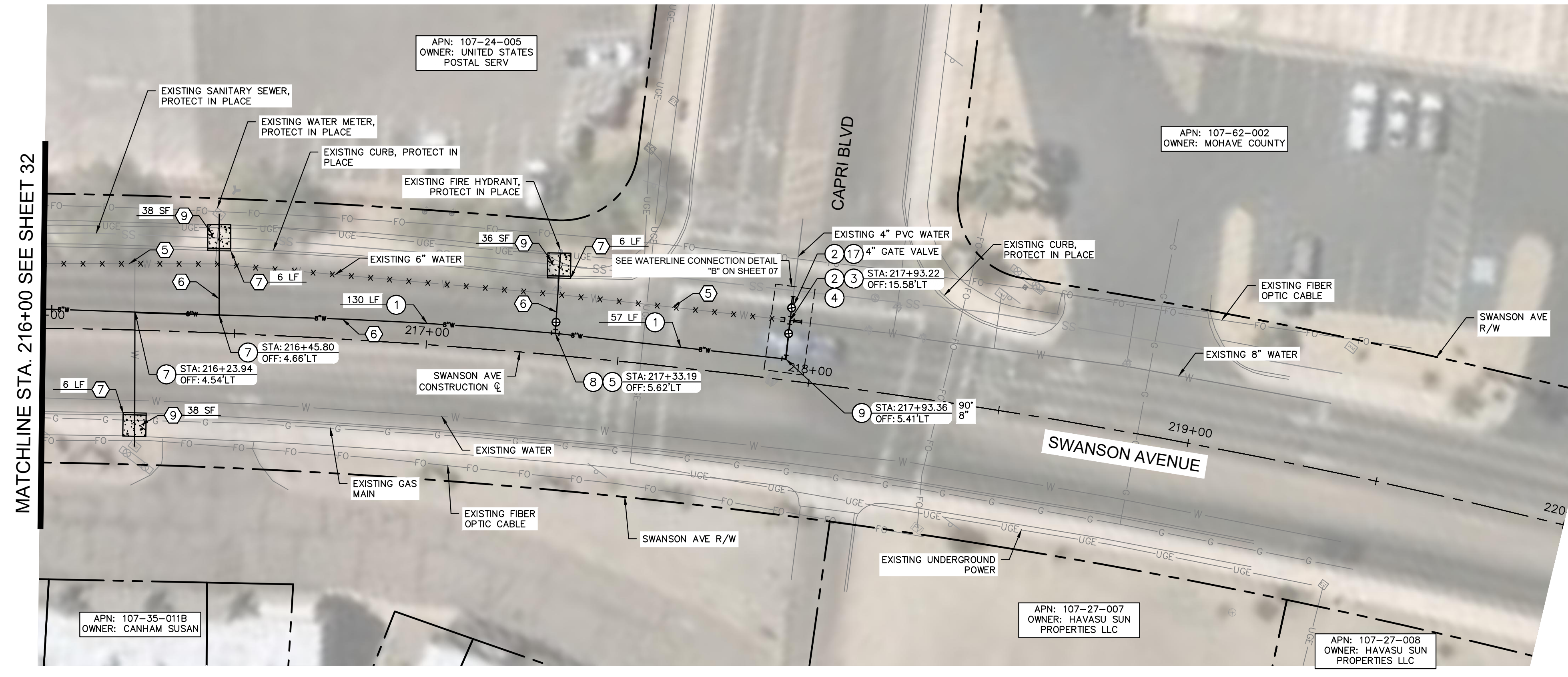
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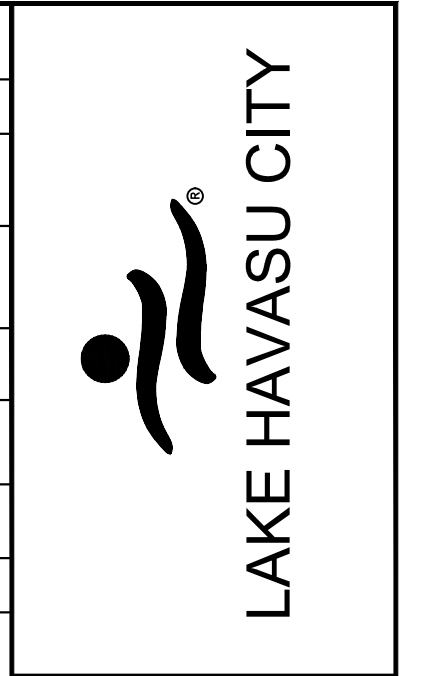
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WT02
 Sheet 32 OF 41

FILE NAME & PATH: K:\PRS_ROADWAY\191245016 - LHC CITY CORE PAVING\CADD\SHEETS\WT03.DWG



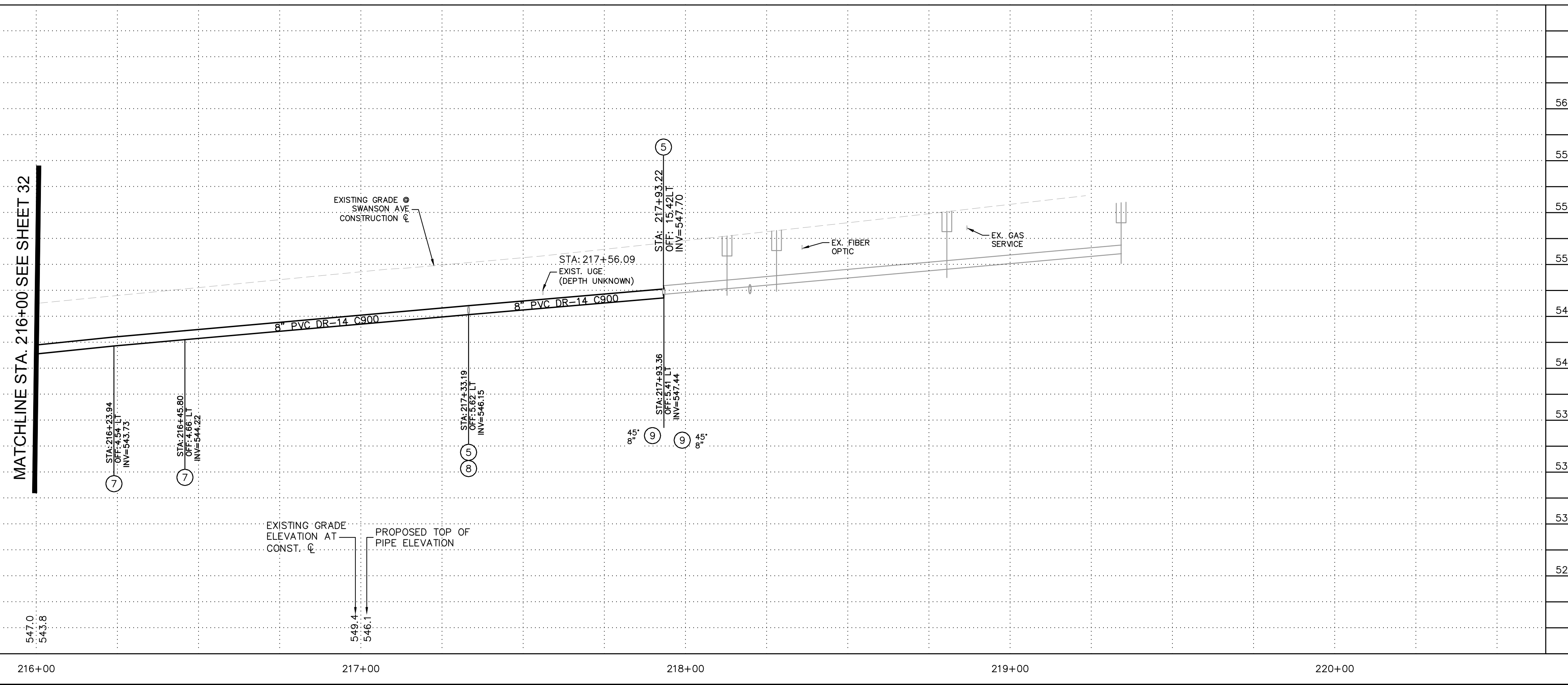
REMOVAL NOTES	
NO	DESCRIPTION
5	ABANDON EXISTING WATER MAIN IN PLACE AND CAP ENDS PER LHC TECH. SPEC. 02550.
6	SAWCUT, REMOVE, AND REPLACE (6'-WIDE) EXISTING PAVEMENT IN KIND. UTILITY TRENCH PATCH PER LHC STD. DTL. 200.
7	REMOVE AND REPLACE EXISTING CURB PER LHC STD. DTL. 213.
9	REMOVE AND REPLACE EXISTING SIDEWALK PER LHC STD. DTL. 216.

WATER NOTES	
NO	DESCRIPTION
1	INSTALL 8" PVC C900 DR14 WATER MAIN PER LHC TECH. SPEC. 02550 AND UTILITY TRENCH PER LHC STD. DTL. 200. LENGTH PER PLAN.
2	CONNECT TO EXISTING WATER MAIN USING FLEX COUPLINGS. SIZE PER PLAN.
3	INSTALL GATE VALVE WITH RISER PER LHC STD. DTL. 300. SIZE IS 8" UNLESS OTHERWISE NOTED.
4	INSTALL 8" DI TEE WITH RESTRAINED JOINT PER LHC TECH. SPEC. 02550.
5	INSTALL 8"x6" DI TEE WITH RESTRAINED JOINT PER LHC TECH. SPEC. 02550.
7	INSTALL SADDLE AND COPPER SERVICE ASSEMBLY IN LIKE SIZE PER LHC STD. DTL. 301 & 303. CONNECT TO EXISTING METER OR IRRIGATION VALVE.
8	INSTALL FIRE LINE AND RECONNECT EXISTING HYDRANT ASSEMBLY PER LHC STD. DTL. 320.
9	INSTALL DI BEND WITH RESTRAINED JOINT PER LHC TECH. SPEC. 02550. SIZE AND ANGLE PER PLAN.
17	INSTALL 8"x4" REDUCER WITH RESTRAINED JOINT PER LHC TECH. SPEC. 02550.

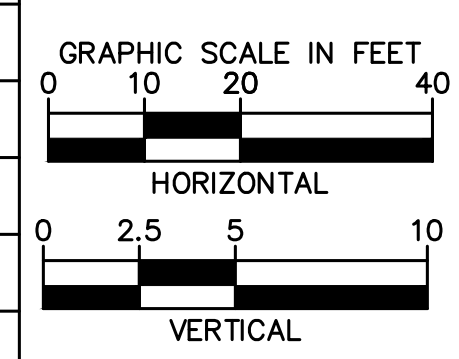


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REVISIONS / SUBMISSIONS				
DATE				

LAKE HAVASU CITY
CITY CORE PAVING RECONSTRUCTION

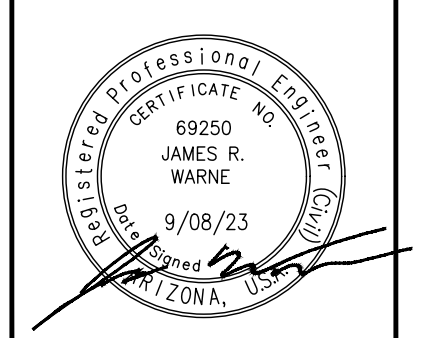


- NOTES TO CONTRACTOR:**
- ACP SHALL BE REMOVED AT THE NEAREST JOINT PER SPECIFICATION SECTION 02050.
 - CONNECTION DETAIL SHOWING INSTALLATION OF NEW WATERLINE AND PERTINENT REMOVALS MAY REQUIRE PHASING. CONTRACTOR SHALL CONSIDER WORK SEQUENCE BY MEANS AND METHODS.
 - ALL FITTINGS SHALL BE RESTRAINED MECHANICAL JOINT UNLESS OTHERWISE SPECIFIED USING JOINT RESTRAINT TABLE.
 - RESTRAINED JOINTS SHALL BE USED IN LIEU OF THRUST BLOCKS WHERE LENGTHS CAN FIT. RESTRAINT LENGTHS PER RESTRAINT TABLE ON SHEET 07.
 - CONTRACTOR SHALL POTHOLE AND TAKE ALL REASONABLE EFFORT AND ACTION TO SATISFY HIMSELF ON THE HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UTILITIES PRIOR TO INSTALLATION OF NEW MAIN. CONTRACTOR WILL BE RESPONSIBLE FOR FIELD ADJUSTMENTS REQUIRED TO CONNECT TO EXISTING MAINS SHOWN AT DIFFERENT ELEVATIONS THAN IN PLANS.
 - WATERLINE SHALL BE INSTALLED AT THE ELEVATIONS SHOWN ON THE PLANS WITH THE INTENT OF 3 FEET OF COVER. CONTRACTOR SHALL MAINTAIN 3-FOOT MINIMUM COVER UNLESS OTHERWISE NOTED IN PLANS.
 - CONTRACTOR SHALL PLACE FLOWABLE FILL PER DTL NO. 1 IN AREAS OF PUBLIC UTILITY MAIN CROSSINGS WHERE APPROPRIATE COMPACTION CANNOT BE MET.
 - CONTRACTOR TO POTHOLE ANY/ALL POINTS OF CONNECTION FOR ALIGNMENT AND GRADE. CONTRACTOR SHALL TRANSITION FROM POINT OF CONNECTION AT SLOPE SHOWN TO OBTAIN AND MAINTAIN COVER. DO NOT USE FITTINGS WITHOUT PRIOR WRITTEN APPROVAL OF THE ENGINEER. A MINIMUM OF 3- FEET OF COVER MUST BE MAINTAINED IN ACCORDANCE WITH LOCAL AND STATE STATUTE. CONTRACTOR SHALL BEAR ALL COSTS OF FITTINGS NOT SHOWN IN PLANS REQUIRED TO MAKE GRADE.



Designed by: JRW
 Drawn by: JWL
 Checked by: ACB
 Date: 09/08/23
 Dwg scale: 1"=20'

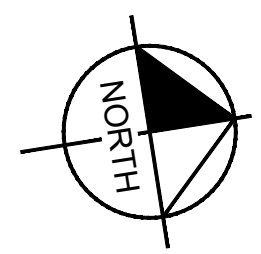
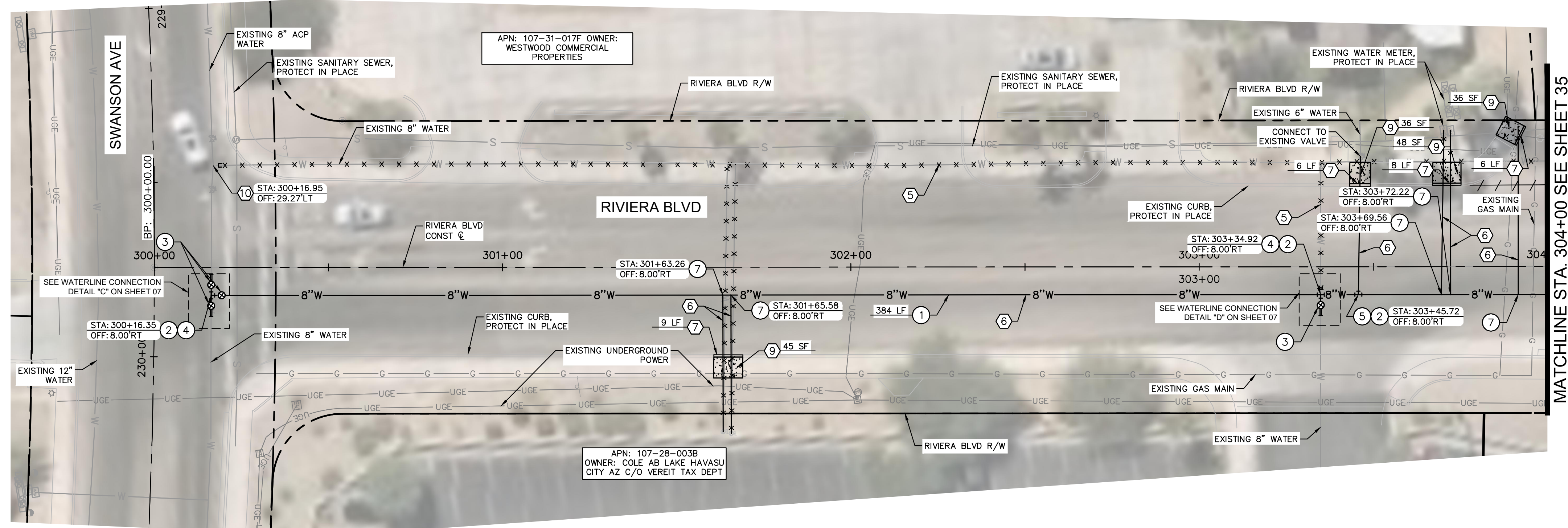
SWANSON AVE
WATERLINE PLAN
AND PROFILE



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Sheet Number:
WT03
 Sheet 33 OF 41

FILE NAME & PATH: K:\PRS-ROADWAY\191245016 - LHC CITY CORE PAVING\CADD\SHEETS\WT04.DWG



REMOVAL NOTES	
NO	DESCRIPTION
5	ABANDON EXISTING WATER MAIN IN PLACE AND CAP ENDS PER LHC TECH. SPEC. 02550.
6	SAWCUT, REMOVE, AND REPLACE (6'-WIDE) EXISTING PAVEMENT IN KIND. UTILITY TRENCH PATCH PER LHC STD. DTL. 200
7	REMOVE AND REPLACE EXISTING CURB PER LHC STD. DTL. 213.
9	REMOVE AND REPLACE EXISTING SIDEWALK PER LHC STD. DTL. 216.
10	CUT AND REMOVE EXISTING SECTION OF PIPE AND INSTALL BLIND FLANGE (XXXX) DETAIL.

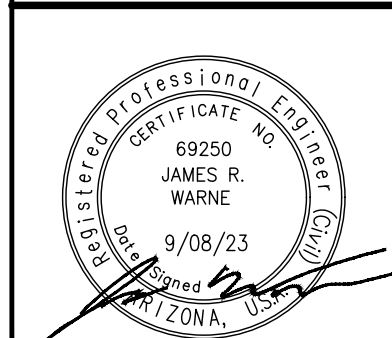
WATER NOTES	
NO	DESCRIPTION
1	INSTALL 8" PVC C900 DR14 WATER MAIN PER LHC TECH. SPEC. 02550 AND UTILITY TRENCH PER LHC STD. DTL. 200. LENGTH PER PLAN.
2	CONNECT TO EXISTING WATER MAIN USING FLEX COUPLINGS. SIZE PER PLAN.
3	INSTALL GATE VALVE WITH RISER PER LHC STD. DTL. 300. SIZE IS 8" UNLESS OTHERWISE NOTED.
4	INSTALL 8" DI TEE WITH RESTRAINED JOINT PER LHC TECH. SPEC. 02550.
5	INSTALL 8"x6" DI TEE WITH RESTRAINED JOINT PER LHC TECH. SPEC. 02550.
7	INSTALL SADDLE AND COPPER SERVICE ASSEMBLY IN LIKE SIZE PER LHC STD. DTL. 301 & 303. CONNECT TO EXISTING METER OR IRRIGATION VALVE.

NO.	#	REVISIONS / SUBMISSIONS	DATE

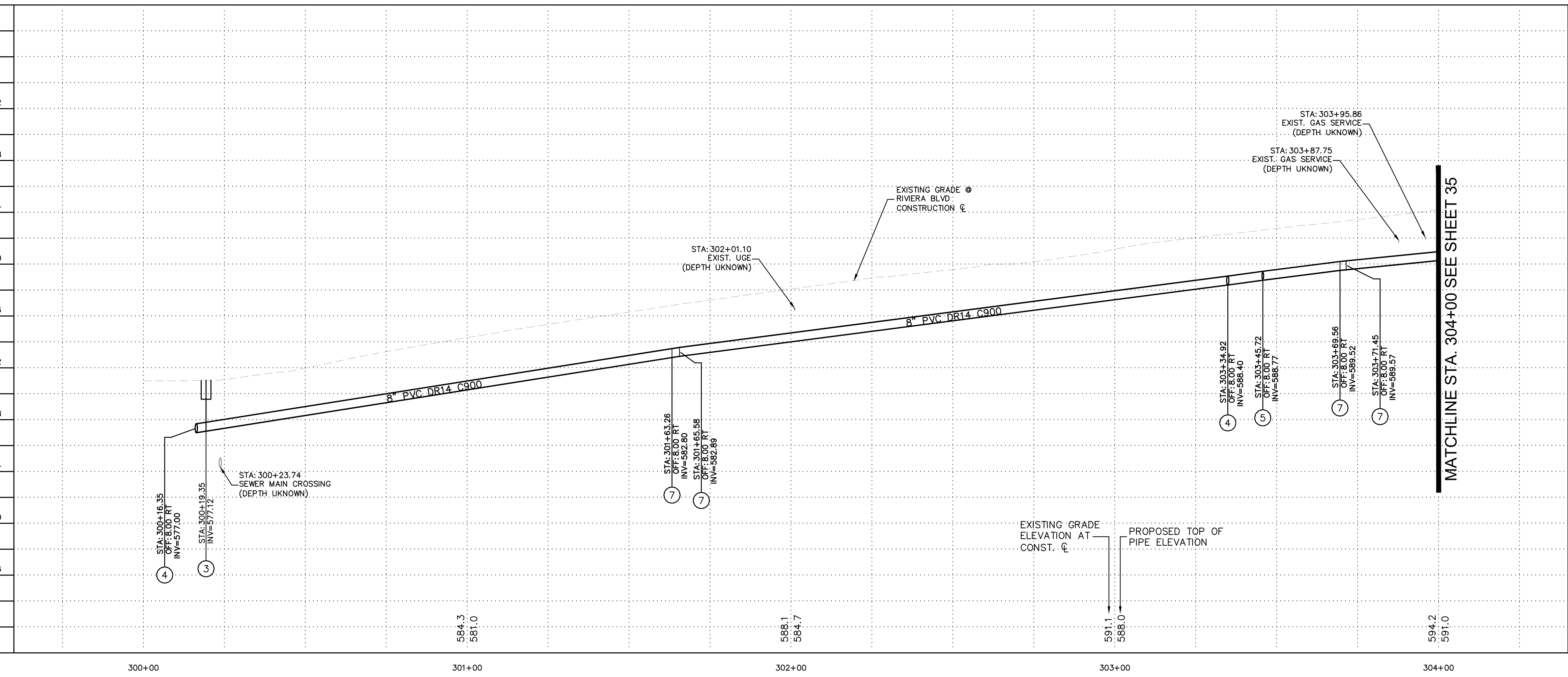
LAKE HAVASU CITY
CITY CORE PAVING RECONSTRUCTION

Designed by: JRW
 Drawn by: JWL
 Checked by: ACB
 Date: 09/08/23
 Dwg scale: 1"=20'

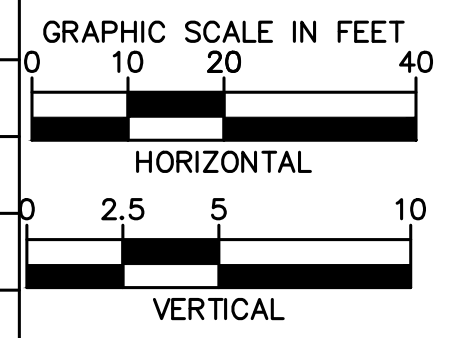
**RIVIERA BLVD
WATERLINE PLAN
AND PROFILE**



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WT04
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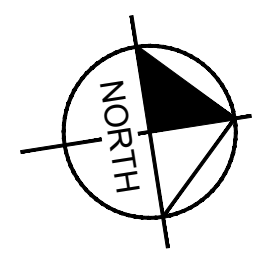
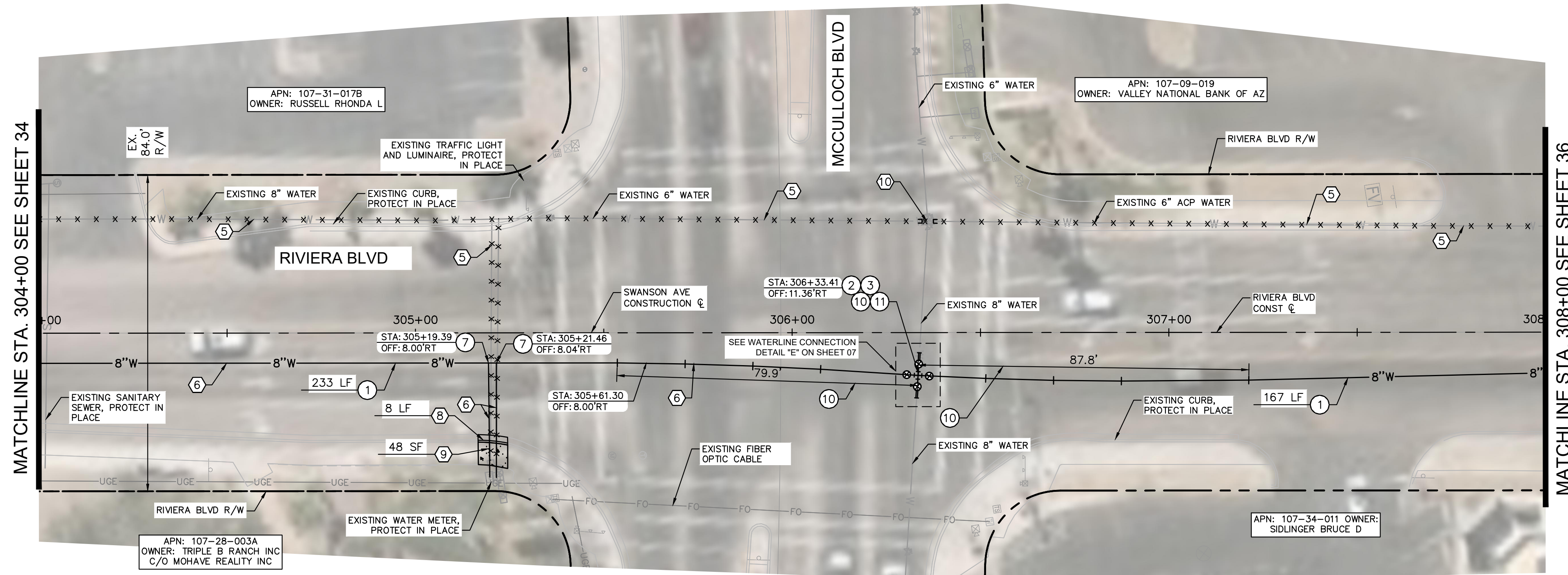


- NOTES TO CONTRACTOR:**
- ACP SHALL BE REMOVED AT THE NEAREST JOINT PER SPECIFICATION SECTION 02050.
 - CONNECTION DETAIL SHOWING INSTALLATION OF NEW WATERLINE AND PERTINENT REMOVALS MAY REQUIRE PHASING. CONTRACTOR SHALL CONSIDER WORK SEQUENCE BY MEANS AND METHODS.
 - ALL FITTINGS SHALL BE RESTRAINED MECHANICAL JOINT UNLESS OTHERWISE SPECIFIED USING JOINT RESTRAINT TABLE.
 - RESTRAINED JOINTS SHALL BE USED IN LIEU OF THRUST BLOCKS WHERE LENGTHS CAN FIT. RESTRAINT LENGTHS PER RESTRAINT TABLE ON SHEET 07.
 - CONTRACTOR SHALL POTHOLE AND TAKE ALL REASONABLE EFFORT AND ACTION TO SATISFY HIMSELF ON THE HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UTILITIES PRIOR TO INSTALLATION OF NEW MAIN. CONTRACTOR WILL BE RESPONSIBLE FOR FIELD ADJUSTMENTS REQUIRED TO CONNECT TO EXISTING MAINS SHOWN AT DIFFERENT ELEVATIONS THAN IN PLANS.
 - WATERLINE SHALL BE INSTALLED AT THE ELEVATIONS SHOWN ON THE PLANS WITH THE INTENT OF 3 FEET OF COVER. CONTRACTOR SHALL MAINTAIN 3-FOOT MINIMUM COVER UNLESS OTHERWISE NOTED IN PLANS.
 - CONTRACTOR SHALL PLACE FLOWABLE FILL PER DTL NO. 1 IN AREAS OF PUBLIC UTILITY MAIN CROSSINGS WHERE APPROPRIATE COMPACTION CANNOT BE MET.
 - CONTRACTOR TO POTHOLE ANY/ALL POINTS OF CONNECTION FOR ALIGNMENT AND GRADE. CONTRACTOR SHALL TRANSITION FROM POINT OF CONNECTION AT SLOPE SHOWN TO OBTAIN AND MAINTAIN COVER. DO NOT USE FITTINGS WITHOUT PRIOR WRITTEN APPROVAL OF THE ENGINEER. A MINIMUM OF 3-FEET OF COVER MUST BE MAINTAINED IN ACCORDANCE WITH LOCAL AND STATE STATUTE. CONTRACTOR SHALL BEAR ALL COSTS OF FITTINGS NOT SHOWN IN PLANS REQUIRED TO MAKE GRADE.



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REMOVAL NOTES	
NO	DESCRIPTION
5	ABANDON EXISTING WATER MAIN IN PLACE AND CAP ENDS PER LHC TECH. SPEC. 02550.
6	SAWCUT, REMOVE, AND REPLACE (6'-WIDE) EXISTING PAVEMENT IN KIND. UTILITY TRENCH PATCH PER LHC STD. DTL. 200.
8	REMOVE AND REPLACE EXISTING CURB AND GUTTER PER LHC STD. DTL. 214.
9	REMOVE AND REPLACE EXISTING SIDEWALK PER LHC STD. DTL. 216.
10	CUT AND REMOVE EXISTING SECTION OF PIPE AND CAP TEE PER TECH SPEC. 02550.

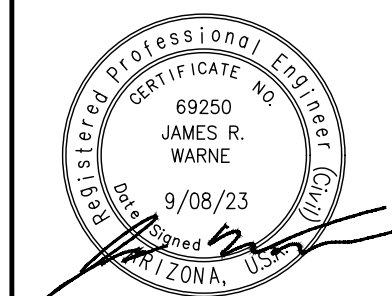
WATER NOTES	
NO	DESCRIPTION
1	INSTALL 8" PVC C900 DR14 WATER MAIN PER LHC TECH. SPEC. 02550 AND UTILITY TRENCH PER LHC STD. DTL. 200. LENGTH PER PLAN.
2	CONNECT TO EXISTING WATER MAIN USING FLEX COUPLINGS. SIZE PER PLAN.
3	INSTALL GATE VALVE WITH RISER PER LHC STD. DTL. 300. SIZE IS 8" UNLESS OTHERWISE NOTED.
7	INSTALL SADDLE AND COPPER SERVICE ASSEMBLY IN LIKE SIZE PER LHC STD. DTL. 301 & 303. CONNECT TO EXISTING METER OR IRRIGATION VALVE.
10	HORIZONTAL JOINT DEFLECTION PER MANUF. RECOMMENDATIONS.
11	INSTALL 8" DI CROSS WITH RESTRAINED JOINT PER LHC TECH. SPEC. 02550.

NO.	#	NO.	#	NO.	#	NO.	#
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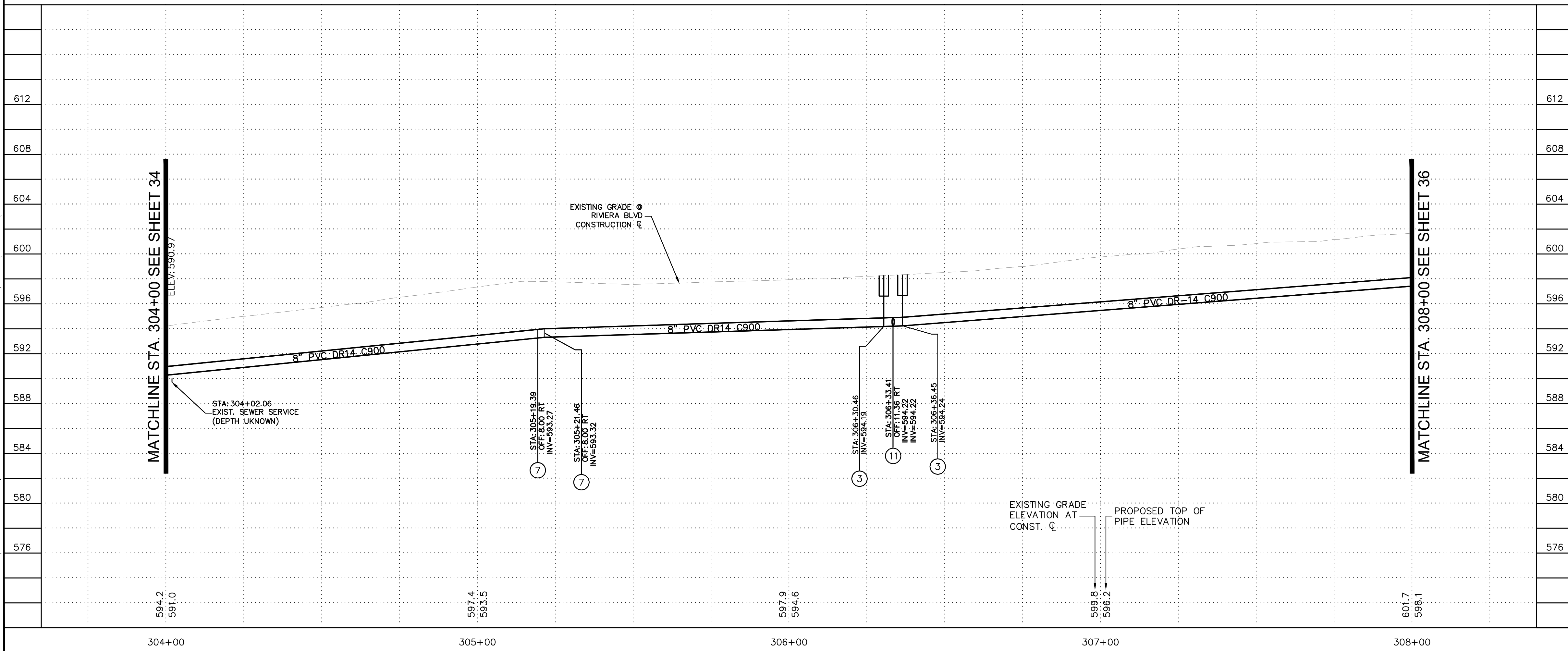
LAKE HAVASU CITY
CITY CORE PAVING RECONSTRUCTION

Designed by: JRW
 Drawn by: JWL
 Checked by: ACB
 Date: 09/08/23
 Dwg scale: 1"=20'

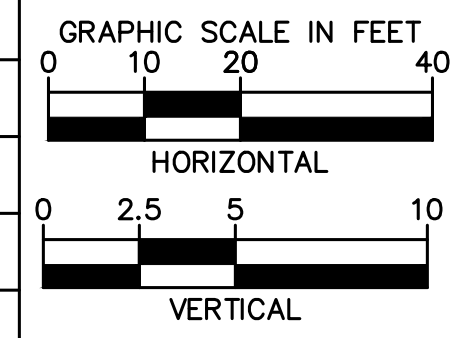
**RIVIERA BLVD
WATERLINE PLAN
AND PROFILE**



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WT05
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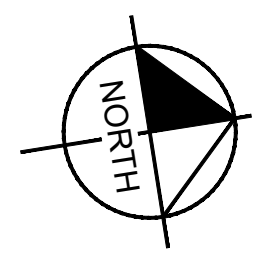
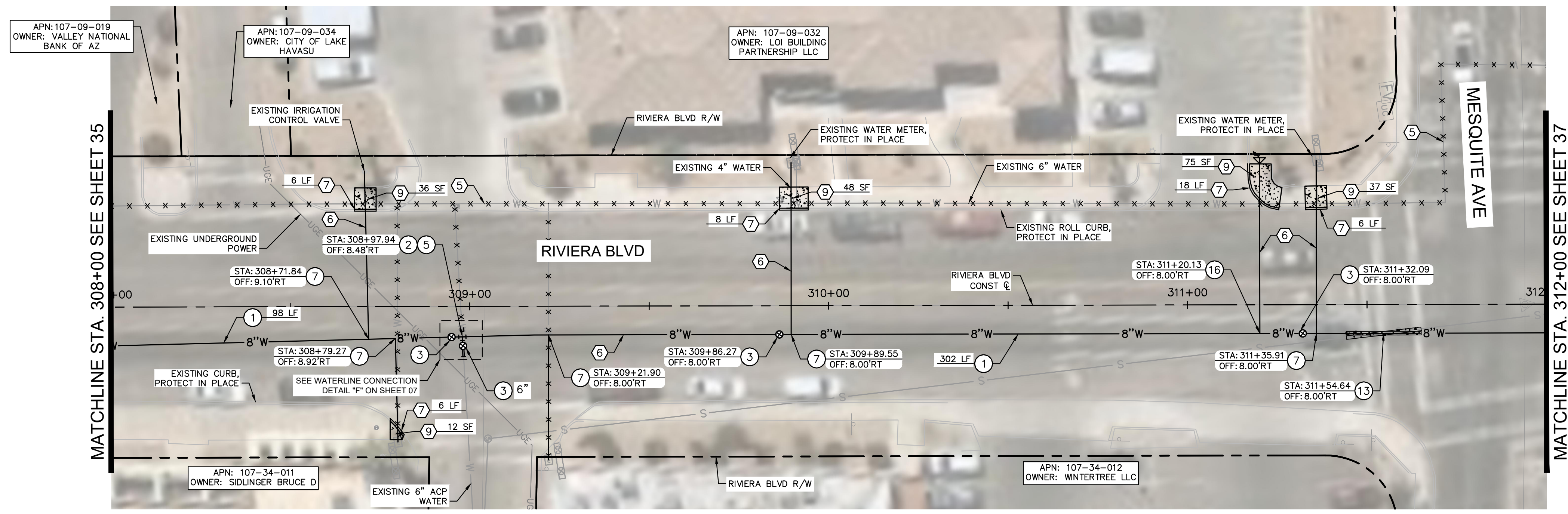
- NOTES TO CONTRACTOR:**
- ACP SHALL BE REMOVED AT THE NEAREST JOINT PER SPECIFICATION SECTION 02050.
 - CONNECTION DETAIL SHOWING INSTALLATION OF NEW WATERLINE AND PERTINENT REMOVALS MAY REQUIRE PHASING. CONTRACTOR SHALL CONSIDER WORK SEQUENCE BY MEANS AND METHODS.
 - ALL FITTINGS SHALL BE RESTRAINED MECHANICAL JOINT UNLESS OTHERWISE SPECIFIED USING JOINT RESTRAINT TABLE.
 - RESTRAINED JOINTS SHALL BE USED IN LIEU OF THRUST BLOCKS WHERE LENGTHS CAN FIT. RESTRAINT LENGTHS PER RESTRAINT TABLE ON SHEET 07.
 - CONTRACTOR SHALL POTHOLE AND TAKE ALL REASONABLE EFFORT AND ACTION TO SATISFY HIMSELF ON THE HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UTILITIES PRIOR TO INSTALLATION OF NEW MAIN. CONTRACTOR WILL BE RESPONSIBLE FOR FIELD ADJUSTMENTS REQUIRED TO CONNECT TO EXISTING MAINS SHOWN AT DIFFERENT ELEVATIONS THAN IN PLANS.
 - WATERLINE SHALL BE INSTALLED AT THE ELEVATIONS SHOWN ON THE PLANS WITH THE INTENT OF 3 FEET OF COVER. CONTRACTOR SHALL MAINTAIN 3-FOOT MINIMUM COVER UNLESS OTHERWISE NOTED IN PLANS.
 - CONTRACTOR SHALL PLACE FLOWABLE FILL PER DTL NO. 1 IN AREAS OF PUBLIC UTILITY MAIN CROSSINGS WHERE APPROPRIATE COMPACTION CANNOT BE MET.
 - CONTRACTOR TO POTHOLE ANY/ALL POINTS OF CONNECTION FOR ALIGNMENT AND GRADE. CONTRACTOR SHALL TRANSITION FROM POINT OF CONNECTION AT SLOPE SHOWN TO OBTAIN AND MAINTAIN COVER. DO NOT USE FITTINGS WITHOUT PRIOR WRITTEN APPROVAL OF THE ENGINEER. A MINIMUM OF 3- FEET OF COVER MUST BE MAINTAINED IN ACCORDANCE WITH LOCAL AND STATE STATUTE. CONTRACTOR SHALL BEAR ALL COSTS OF FITTINGS NOT SHOWN IN PLANS REQUIRED TO MAKE GRADE.



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REMOVAL NOTES	
NO	DESCRIPTION
5	ABANDON EXISTING WATER MAIN IN PLACE AND CAP ENDS PER LHC TECH. SPEC. 02550.
6	SAWCUT, REMOVE, AND REPLACE (6'-WIDE) EXISTING PAVEMENT IN KIND. UTILITY TRENCH PATCH PER LHC STD. DTL. 200.
7	REMOVE AND REPLACE EXISTING CURB PER LHC STD. DTL. 213.
9	REMOVE AND REPLACE EXISTING SIDEWALK PER LHC STD. DTL. 216.

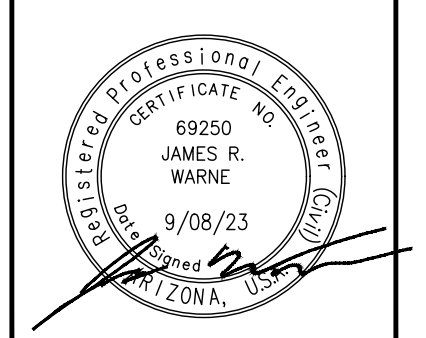
WATER NOTES	
NO	DESCRIPTION
1	INSTALL 8" PVC C900 DR14 WATER MAIN PER LHC TECH. SPEC. 02550 AND UTILITY TRENCH PER LHC STD. DTL. 200. LENGTH PER PLAN.
2	CONNECT TO EXISTING WATER MAIN USING FLEX COUPLINGS. SIZE PER PLAN.
3	INSTALL GATE VALVE WITH RISER PER LHC STD. DTL. 300. SIZE IS 6" UNLESS OTHERWISE NOTED.
5	INSTALL 8"x6" DI TEE WITH RESTRAINED JOINT PER LHC TECH. SPEC. 02550.
7	INSTALL SADDLE AND COPPER SERVICE ASSEMBLY IN LIKE SIZE PER LHC STD. DTL. 301 & 303. CONNECT TO EXISTING METER OR IRRIGATION VALVE.
10	HORIZONTAL JOINT DEFLECTION PER MANUF. RECOMMENDATIONS.
13	ENCASE WATER AND SEWER PIPE AT CROSSING PER LHC STD. DTL. 401C. LIMITS PER PLAN.
16	INSTALL 2" COMBINATION AIR/VACUUM VALVE AND 2" BLOW-OFF PER LHC. STD. DTL. 311.

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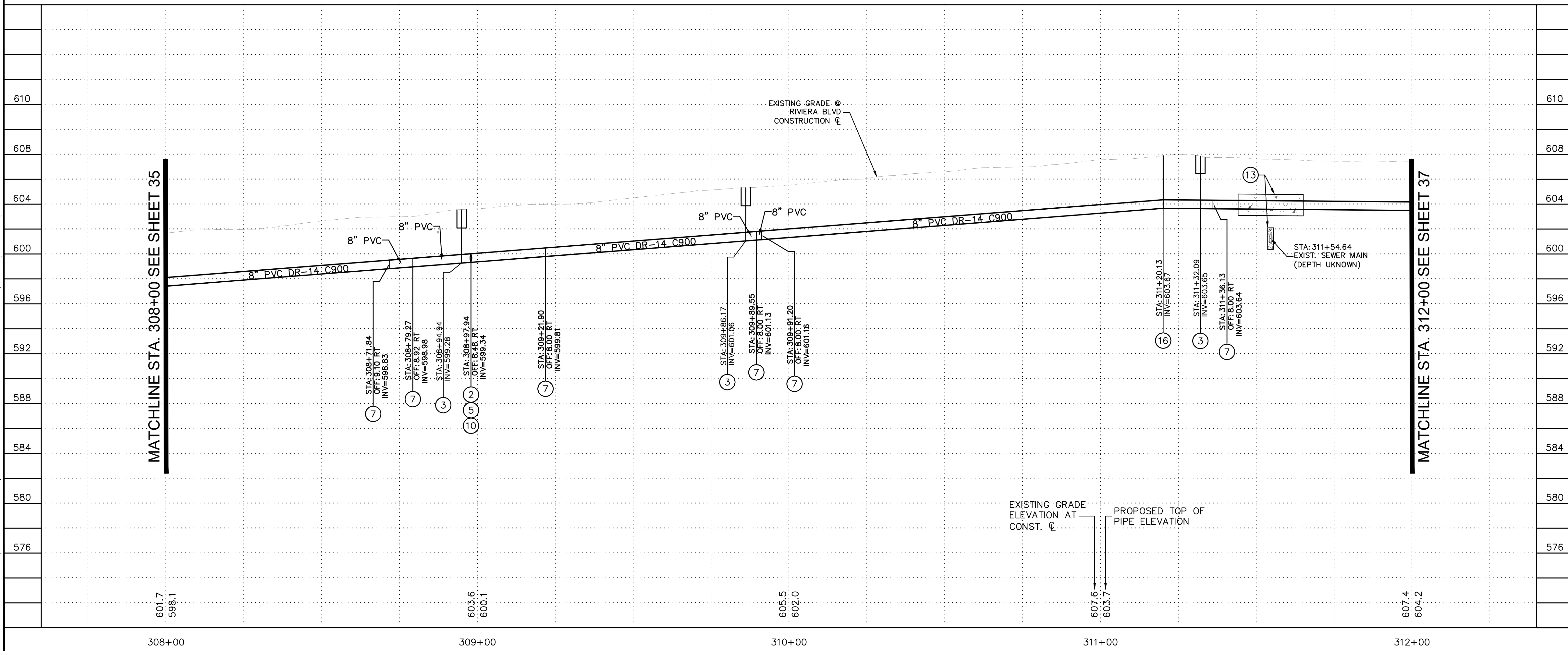
LAKE HAVASU CITY
CITY CORE PAVING RECONSTRUCTION

Designed by: JRW
 Drawn by: JWL
 Checked by: ACB
 Date: 09/08/23
 Dwg scale: 1"=20'

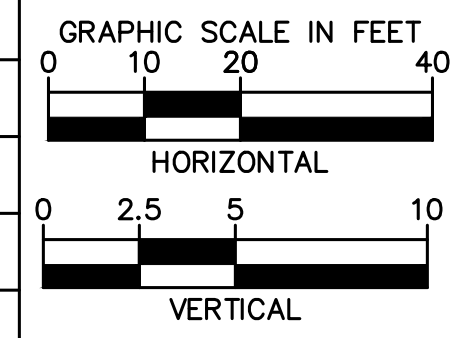
RIVIERA BLVD WATERLINE PLAN AND PROFILE



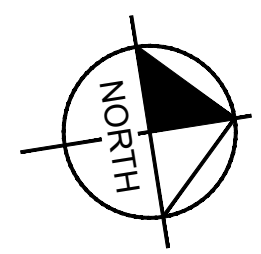
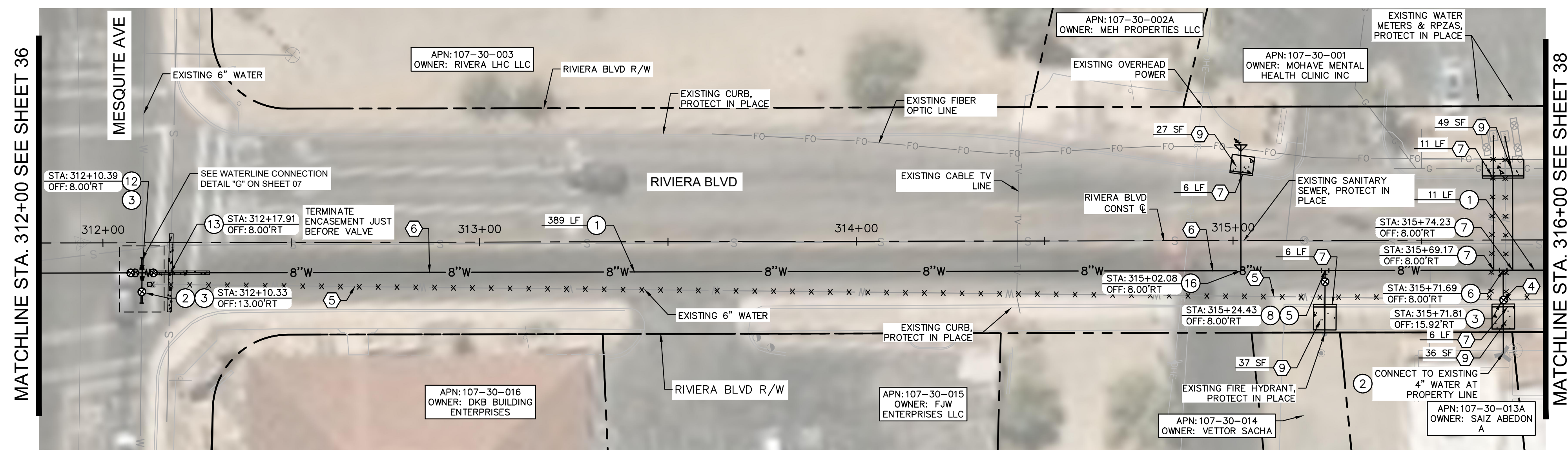
Sheet Number:
WT06
 Sheet 36 OF 41



- NOTES TO CONTRACTOR:**
- ACP SHALL BE REMOVED AT THE NEAREST JOINT PER SPECIFICATION SECTION 02050.
 - CONNECTION DETAIL SHOWING INSTALLATION OF NEW WATERLINE AND PERTINENT REMOVALS MAY REQUIRE PHASING. CONTRACTOR SHALL CONSIDER WORK SEQUENCE BY MEANS AND METHODS.
 - ALL FITTINGS SHALL BE RESTRAINED MECHANICAL JOINT UNLESS OTHERWISE SPECIFIED USING JOINT RESTRAINT TABLE.
 - RESTRAINED JOINTS SHALL BE USED IN LIEU OF THRUST BLOCKS WHERE LENGTHS CAN FIT. RESTRAINT LENGTHS PER RESTRAINT TABLE ON SHEET 07.
 - CONTRACTOR SHALL POTHOLE AND TAKE ALL REASONABLE EFFORT AND ACTION TO SATISFY HIMSELF ON THE HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UTILITIES PRIOR TO INSTALLATION OF NEW MAIN. CONTRACTOR WILL BE RESPONSIBLE FOR FIELD ADJUSTMENTS REQUIRED TO CONNECT TO EXISTING MAINS SHOWN AT DIFFERENT ELEVATIONS THAN IN PLANS.
 - WATERLINE SHALL BE INSTALLED AT THE ELEVATIONS SHOWN ON THE PLANS WITH THE INTENT OF 3 FEET OF COVER. CONTRACTOR SHALL MAINTAIN 3-FOOT MINIMUM COVER UNLESS OTHERWISE NOTED IN PLANS.
 - CONTRACTOR SHALL PLACE FLOWABLE FILL PER DTL NO. 1 IN AREAS OF PUBLIC UTILITY MAIN CROSSINGS WHERE APPROPRIATE COMPACTION CANNOT BE MET.
 - CONTRACTOR TO POTHOLE ANY/ALL POINTS OF CONNECTION FOR ALIGNMENT AND GRADE. CONTRACTOR SHALL TRANSITION FROM POINT OF CONNECTION AT SLOPE SHOWN TO OBTAIN AND MAINTAIN COVER. DO NOT USE FITTINGS WITHOUT PRIOR WRITTEN APPROVAL OF THE ENGINEER. A MINIMUM OF 3- FEET OF COVER MUST BE MAINTAINED IN ACCORDANCE WITH LOCAL AND STATE STATUTE. CONTRACTOR SHALL BEAR ALL COSTS OF FITTINGS NOT SHOWN IN PLANS REQUIRED TO MAKE GRADE.

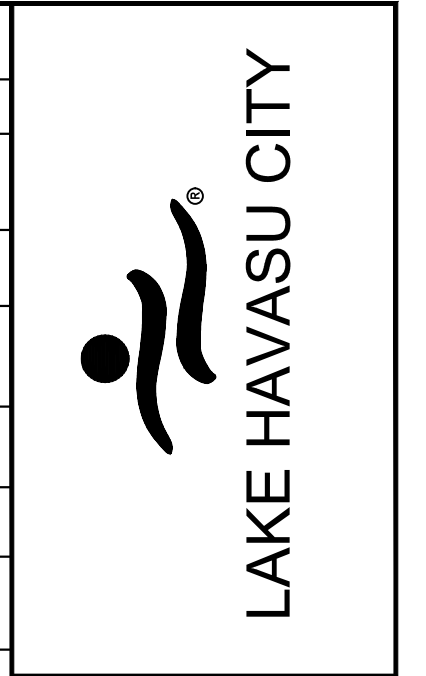


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REMOVAL NOTES	
NO	DESCRIPTION
4	REMOVE EXISTING GATE VALVE PER LHC TECH. SPEC. 02550.
5	ABANDON EXISTING WATER MAIN IN PLACE AND CAP ENDS PER LHC TECH. SPEC. 02550.
6	SAWCUT, REMOVE, AND REPLACE (6'-WIDE) EXISTING PAVEMENT IN KIND. UTILITY TRENCH PATCH PER LHC STD. DTL. 200
7	REMOVE AND REPLACE EXISTING CURB PER LHC STD. DTL. 213.
9	REMOVE AND REPLACE EXISTING SIDEWALK PER LHC STD. DTL. 216.

WATER NOTES	
NO	DESCRIPTION
1	INSTALL 8" PVC C900 DR14 WATER MAIN PER LHC TECH. SPEC. 02550 AND UTILITY TRENCH PER LHC STD. DTL. 200. LENGTH PER PLAN.
2	CONNECT TO EXISTING WATER MAIN USING FLEX COUPLINGS. SIZE PER PLAN.
3	INSTALL GATE VALVE WITH RISER PER LHC STD. DTL. 300. SIZE IS 8" UNLESS OTHERWISE NOTED.
5	INSTALL 8"x6" DI TEE WITH RESTRAINED JOINT PER LHC TECH. SPEC. 02550.
6	INSTALL 8"x4" TEE WITH RESTRAINED JOINT PER LHC TECH SPEC. 02550.
7	INSTALL SADDLE AND COPPER SERVICE ASSEMBLY IN LIKE SIZE PER LHC STD. DTL. 301 & 303. CONNECT TO EXISTING METER OR IRRIGATION VALVE.
8	INSTALL FIRE LINE AND RECONNECT EXISTING HYDRANT ASSEMBLY PER LHC STD. DTL. 320.
9	INSTALL DI BEND WITH RESTRAINED JOINT PER LHC TECH. SPEC. 02550. SIZE AND ANGLE PER PLAN.
12	INSTALL 8"x6" REDUCER WITH RESTRAINED JOINT PER LHC TECH. SPEC. 02550.
13	ENCASE WATER AND SEWER PIPE AT CROSSING PER LHC STD. DTL. 401G. LIMITS PER PLAN.
16	INSTALL 2" COMBINATION AIR/VACUUM VALVE AND 2" BLOW-OFF PER LHC. STD. DTL. 311.

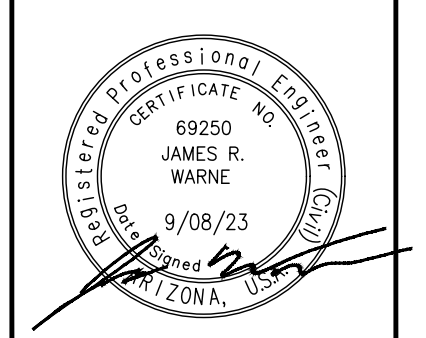


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REVISIONS / SUBMISSIONS				
DATE				

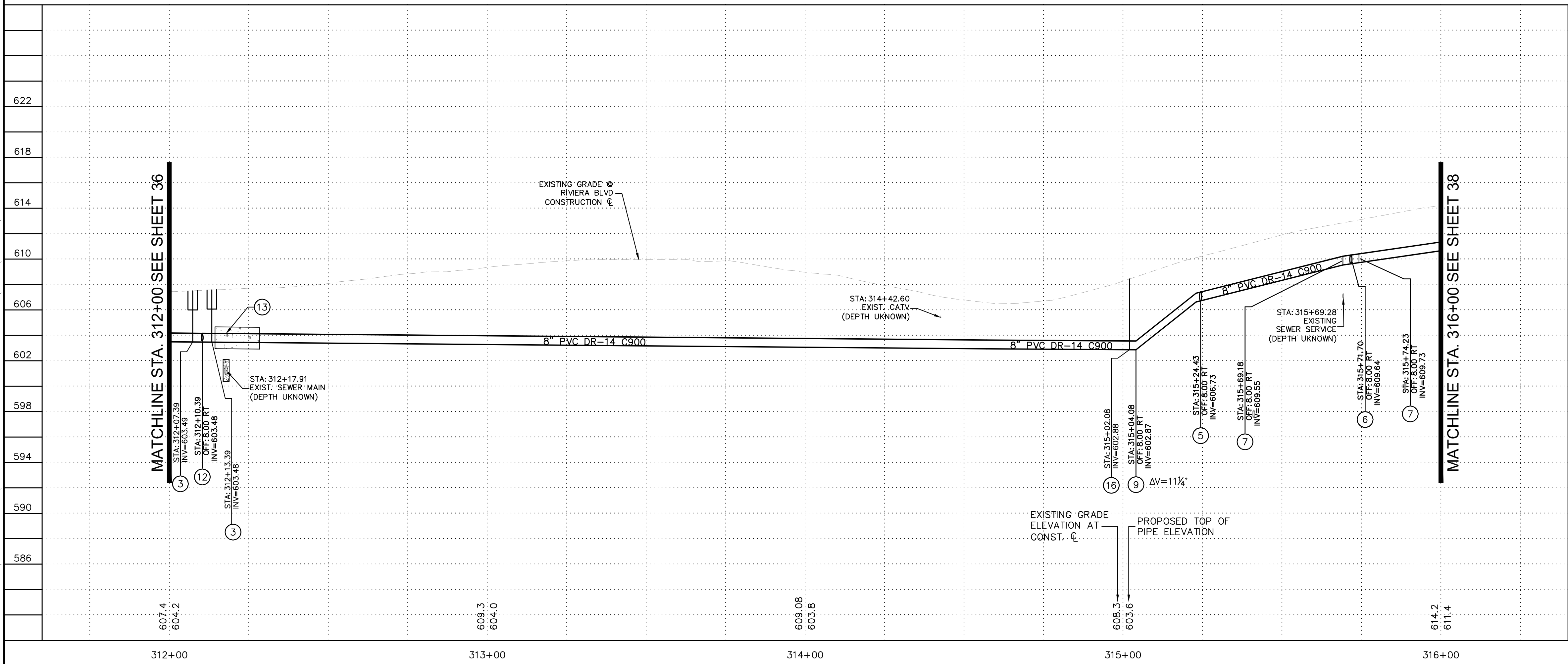
LAKE HAVASU CITY
CITY CORE PAVING RECONSTRUCTION

Designed by: JRW
 Drawn by: JWL
 Checked by: ACB
 Date: 09/08/23
 Dwg scale: 1"=20'

RIVERA BLVD WATERLINE PLAN AND PROFILE

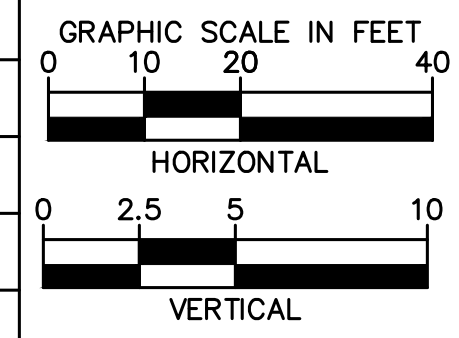


Sheet Number:
WT07
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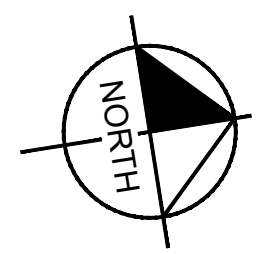
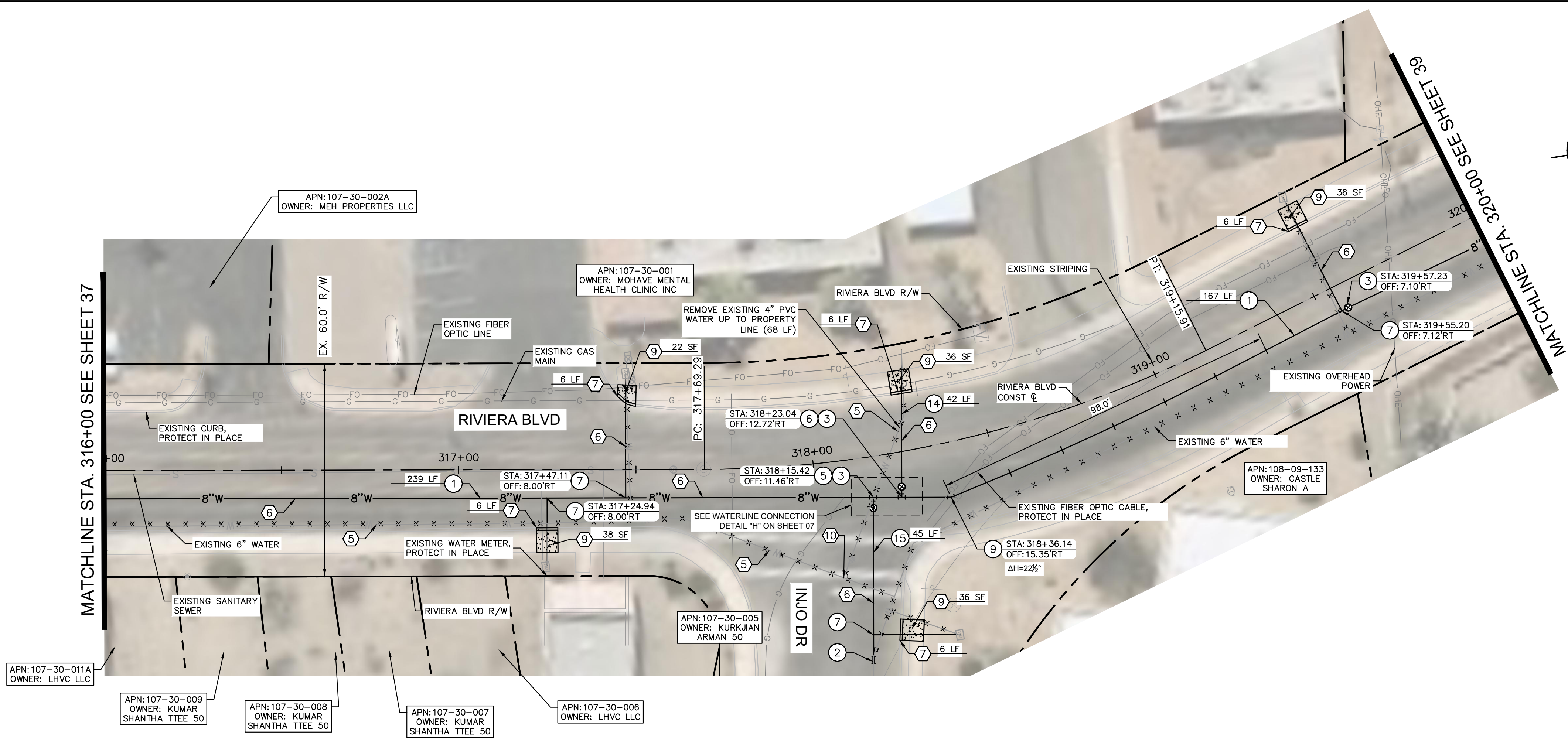
NOTES TO CONTRACTOR:

- ACP SHALL BE REMOVED AT THE NEAREST JOINT PER SPECIFICATION SECTION 02050.
- CONNECTION DETAIL SHOWING INSTALLATION OF NEW WATERLINE AND PERTINENT REMOVALS MAY REQUIRE PHASING. CONTRACTOR SHALL CONSIDER WORK SEQUENCE BY MEANS AND METHODS.
- ALL FITTINGS SHALL BE RESTRAINED MECHANICAL JOINT UNLESS OTHERWISE SPECIFIED USING JOINT RESTRAINT TABLE.
- RESTRAINED JOINTS SHALL BE USED IN LIEU OF THRUST BLOCKS WHERE LENGTHS CAN FIT. RESTRAINT LENGTHS PER RESTRAINT TABLE ON SHEET 07.
- CONTRACTOR SHALL POTHOLE AND TAKE ALL REASONABLE EFFORT AND ACTION TO SATISFY HIMSELF ON THE HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UTILITIES PRIOR TO INSTALLATION OF NEW MAIN. CONTRACTOR WILL BE RESPONSIBLE FOR FIELD ADJUSTMENTS REQUIRED TO CONNECT TO EXISTING MAINS SHOWN AT DIFFERENT ELEVATIONS THAN IN PLANS.
- WATERLINE SHALL BE INSTALLED AT THE ELEVATIONS SHOWN ON THE PLANS WITH THE INTENT OF 3 FEET OF COVER. CONTRACTOR SHALL MAINTAIN 3-FOOT MINIMUM COVER UNLESS OTHERWISE NOTED IN PLANS.
- CONTRACTOR SHALL PLACE FLOWABLE FILL PER DTL NO. 1 IN AREAS OF PUBLIC UTILITY MAIN CROSSINGS WHERE APPROPRIATE COMPACTION CANNOT BE MET.
- CONTRACTOR TO POTHOLE ANY/ALL POINTS OF CONNECTION FOR ALIGNMENT AND GRADE. CONTRACTOR SHALL TRANSITION FROM POINT OF CONNECTION AT SLOPE SHOWN TO OBTAIN AND MAINTAIN COVER. DO NOT USE FITTINGS WITHOUT PRIOR WRITTEN APPROVAL OF THE ENGINEER. A MINIMUM OF 3- FEET OF COVER MUST BE MAINTAINED IN ACCORDANCE WITH LOCAL AND STATE STATUTE. CONTRACTOR SHALL BEAR ALL COSTS OF FITTINGS NOT SHOWN IN PLANS REQUIRED TO MAKE GRADE.



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FILE NAME & PATH: K:\PRS_ROADWAY\191245016 - LHC CITY CORE PAVING\CADD\SHEETS\WT08.DWG



REMOVAL NOTES	
NO	DESCRIPTION
5	ABANDON EXISTING WATER MAIN IN PLACE AND CAP ENDS PER LHC TECH. SPEC. 02550.
6	SAWCUT, REMOVE, AND REPLACE (6'-WIDE) EXISTING PAVEMENT IN KIND. UTILITY TRENCH PATCH PER LHC STD. DTL. 200
7	REMOVE AND REPLACE EXISTING CURB PER LHC STD. DTL. 213.
9	REMOVE AND REPLACE EXISTING SIDEWALK PER LHC STD. DTL. 216.
10	CUT AND REMOVE EXISTING SECTION OF PIPE AND INSTALL BLIND FLANGE (XXXX) DETAIL.

WATER NOTES	
NO	DESCRIPTION
1	INSTALL 8" PVC C900 DR14 WATER MAIN PER LHC TECH. SPEC. 02550 AND UTILITY TRENCH PER LHC STD. DTL. 200. LENGTH PER PLAN.
2	CONNECT TO EXISTING WATER MAIN USING FLEX COUPLINGS. SIZE PER PLAN.
3	INSTALL GATE VALVE WITH RISER PER LHC STD. DTL. 300. SIZE IS 8" UNLESS OTHERWISE NOTED.
5	INSTALL 8"x6" DI TEE WITH RESTRAINED JOINT PER LHC TECH. SPEC. 02550.
6	INSTALL 8"x4" TEE WITH RESTRAINED JOINT PER LHC TECH. SPEC. 02550.
7	INSTALL SADDLE AND COPPER SERVICE ASSEMBLY IN LIKE SIZE PER LHC STD. DTL. 301 & 303. CONNECT TO EXISTING METER OR IRRIGATION VALVE.
9	INSTALL DI BEND WITH RESTRAINED JOINT PER LHC TECH. SPEC. 02550. SIZE AND ANGLE PER PLAN.
14	INSTALL 4" PVC C900 DR14 WATER PIPE PER LHC TECH. SPEC. 02550 AND UTILITY TRENCH PER LHC STD. DTL. 200. LENGTH PER PLAN.
15	INSTALL 6" PVC C900 DR14 WATER PIPE PER LHC TECH. SPEC. 02550 AND UTILITY TRENCH PER LHC STD. DTL. 200. LENGTH PER PLAN.

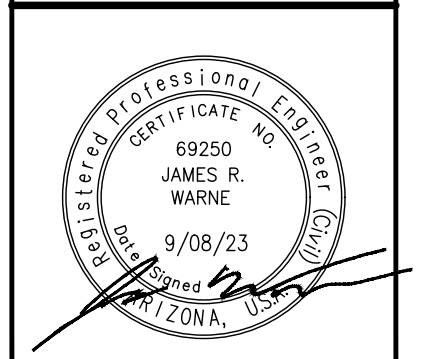
LAKE HAVASU CITY

NO.	#	#	#	#
DATE	-	-	-	-
REVISIONS / SUBMISSIONS	-	-	-	-

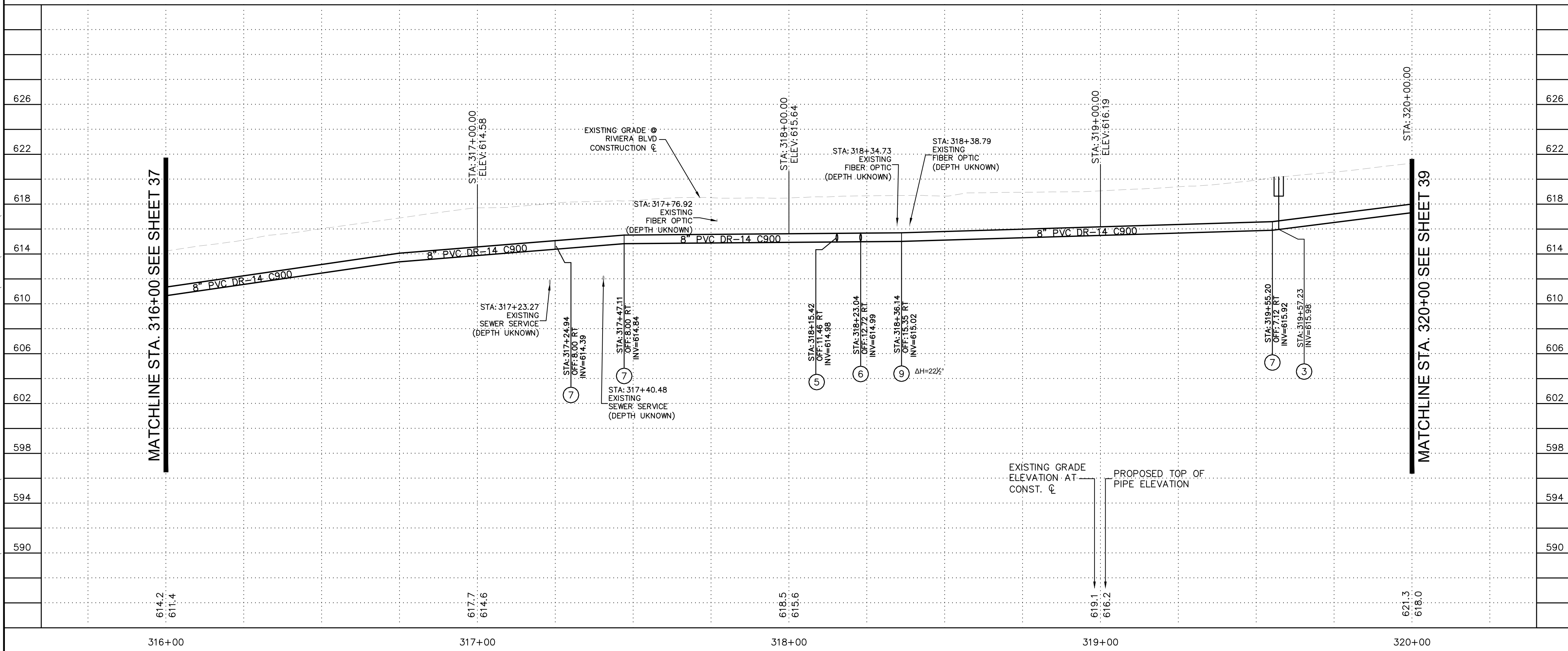
LAKE HAVASU CITY
CITY CORE PAVING RECONSTRUCTION

Designed by: JRW
 Drawn by: JWL
 Checked by: ACB
 Date: 09/08/23
 Dwg scale: 1"=20'

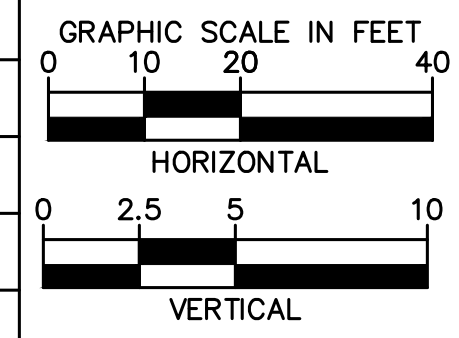
RIVIERA BLVD
WATERLINE PLAN
AND PROFILE



Sheet Number:
WT08
Sheet 38 OF 41



- NOTES TO CONTRACTOR:**
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 - CONNECTION DETAIL SHOWING INSTALLATION OF NEW WATERLINE AND PERTINENT REMOVALS MAY REQUIRE PHASING. CONTRACTOR SHALL CONSIDER WORK SEQUENCE BY MEANS AND METHODS. INSTALLATION OF NEW MAIN. CONTRACTOR WILL BE RESPONSIBLE FOR FIELD ADJUSTMENTS REQUIRED TO CONNECT TO EXISTING MAINS SHOWN AT DIFFERENT ELEVATIONS THAN IN PLANS.
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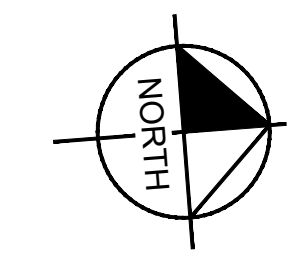
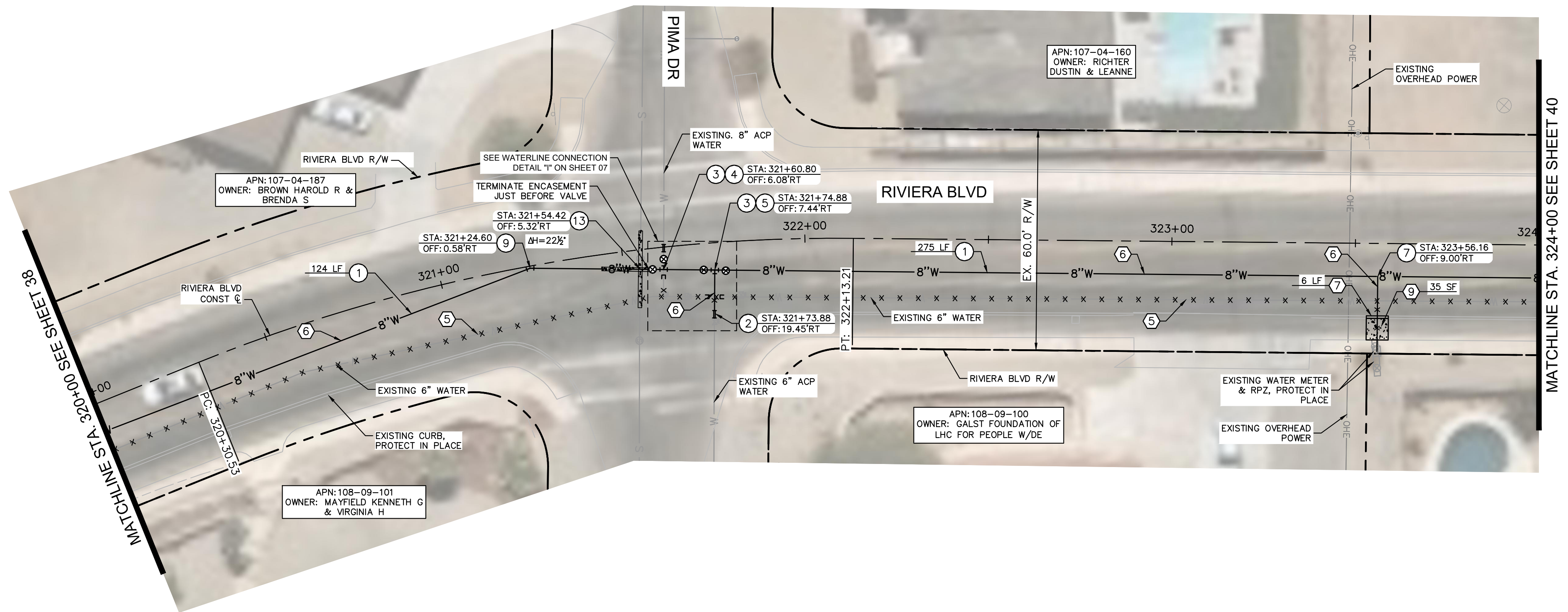


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REMOVAL NOTES	
NO	DESCRIPTION
5	ABANDON EXISTING WATER MAIN IN PLACE AND CAP ENDS PER LHC TECH. SPEC. 02550.
6	SAWCUT, REMOVE, AND REPLACE (6'-WIDE) EXISTING PAVEMENT IN KIND. UTILITY TRENCH PATCH PER LHC STD. DTL. 200.
7	REMOVE AND REPLACE EXISTING CURB PER LHC STD. DTL. 213.
9	REMOVE AND REPLACE EXISTING SIDEWALK PER LHC STD. DTL. 216.

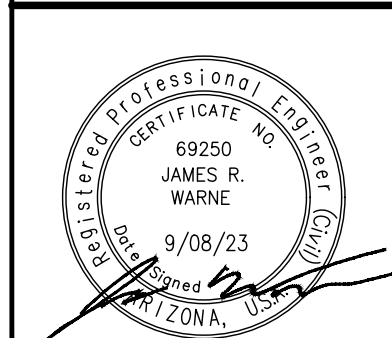
WATER NOTES	
NO	DESCRIPTION
1	INSTALL 8" PVC C900 DR14 WATER MAIN PER LHC TECH. SPEC. 02550 AND UTILITY TRENCH PER LHC STD. DTL. 200. LENGTH PER PLAN.
2	CONNECT TO EXISTING WATER MAIN USING FLEX COUPLINGS. SIZE PER PLAN.
3	INSTALL GATE VALVE WITH RISER PER LHC STD. DTL. 300. SIZE IS 8" UNLESS OTHERWISE NOTED.
4	INSTALL 8" DI TEE WITH RESTRAINED JOINT PER LHC TECH. SPEC. 02550.
5	INSTALL 8"x6" DI TEE WITH RESTRAINED JOINT PER LHC TECH. SPEC. 02550.
7	INSTALL SADDLE AND COPPER SERVICE ASSEMBLY IN LIKE SIZE PER LHC STD. DTL. 301 & 303. CONNECT TO EXISTING METER OR IRRIGATION VALVE.
9	INSTALL DI BEND WITH RESTRAINED JOINT PER LHC TECH. SPEC. 02550. SIZE AND ANGLE PER PLAN.
13	ENCASE WATER AND SEWER PIPE AT CROSSING PER LHC STD. DTL. 401C. LIMITS PER PLAN.

LAKE HAVASU CITY		
NO.	REVISIONS / SUBMISSIONS	DATE
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#	-	-
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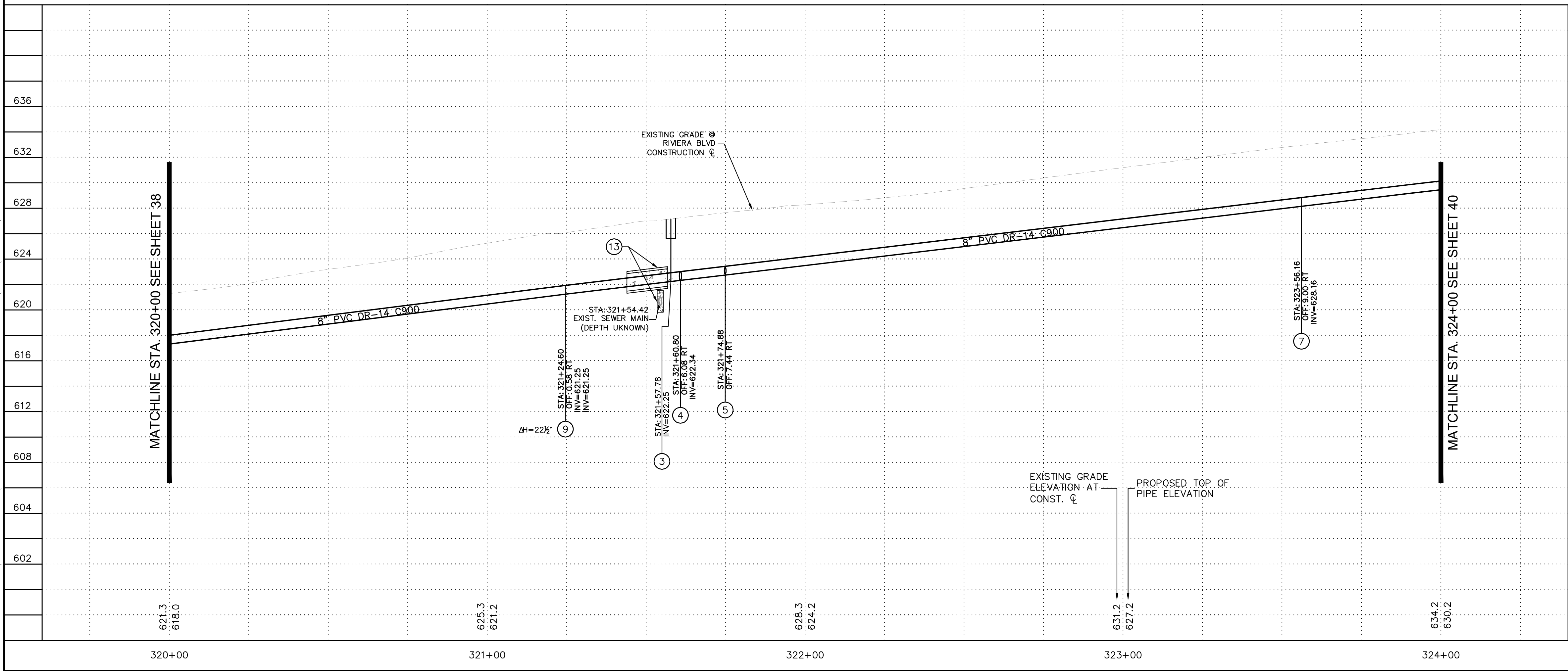
LAKE HAVASU CITY
CITY CORE PAVING RECONSTRUCTION

Designed by: JRW
Drawn by: JWL
Checked by: ACB
Date: 09/08/23
Dwg scale: 1"=20'

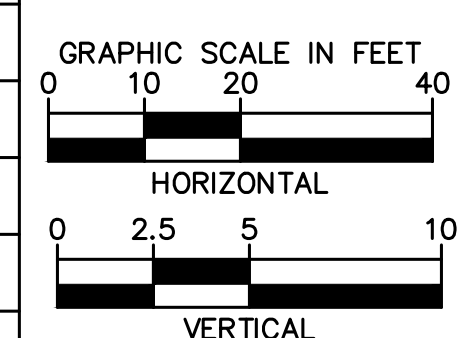
RIVIERA BLVD WATERLINE PLAN AND PROFILE



Sheet Number:
WT09
Sheet 39 OF 41

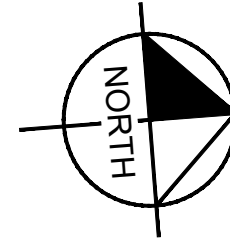
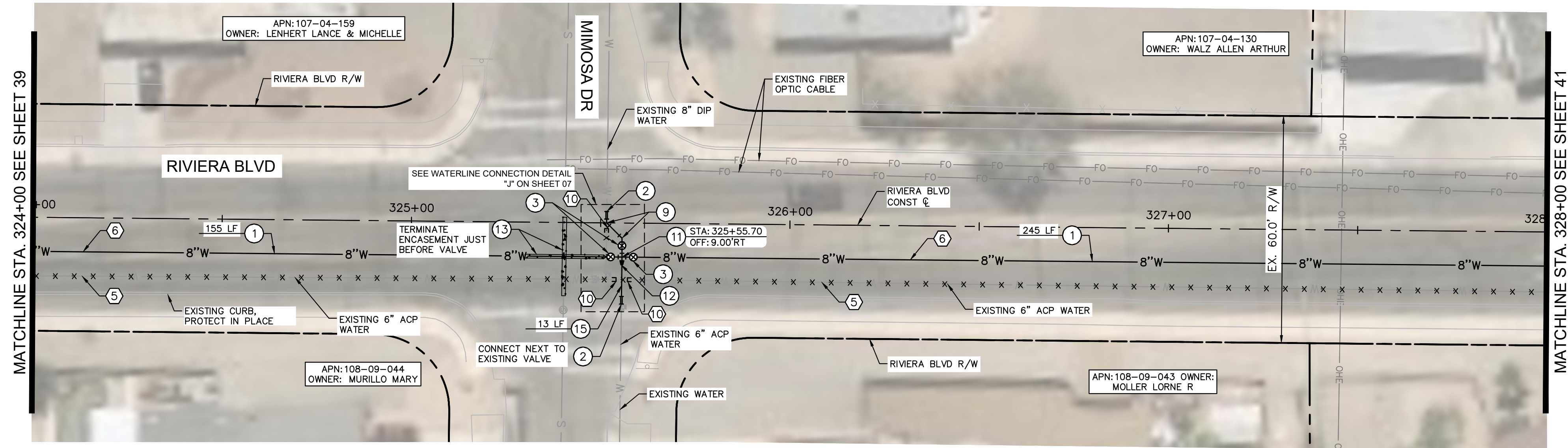


- NOTES TO CONTRACTOR:**
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 - CONNECTION DETAIL SHOWING INSTALLATION OF NEW WATERLINE AND PERTINENT REMOVALS MAY REQUIRE PHASING. CONTRACTOR SHALL CONSIDER WORK SEQUENCE BY MEANS AND METHODS.
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FILE NAME & PATH: K:\PRS_ROADWAY\191245016 - LHC CITY CORE PAVING\CADD\SHEETS\WT10.DWG



REMOVAL NOTES	
NO	DESCRIPTION
5	ABANDON EXISTING WATER MAIN IN PLACE AND CAP ENDS PER LHC TECH. SPEC. 02550.
6	SAWCUT, REMOVE, AND REPLACE (6'-WIDE) EXISTING PAVEMENT IN KIND. UTILITY TRENCH PATCH PER LHC STD. DTL. 200.
10	CUT AND REMOVE EXISTING SECTION OF PIPE AND CAP TEE PER TECH SPEC. 02550.

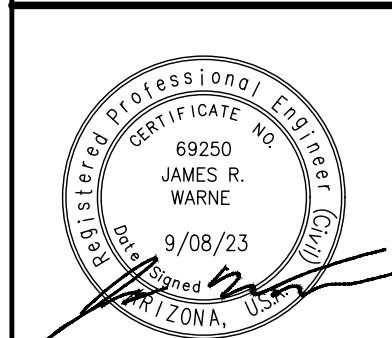
WATER NOTES	
NO	DESCRIPTION
1	INSTALL 8" PVC C900 DR14 WATER MAIN PER LHC TECH. SPEC. 02550 AND UTILITY TRENCH PER LHC STD. DTL. 200. LENGTH PER PLAN.
2	CONNECT TO EXISTING WATER MAIN USING FLEX COUPLINGS. SIZE PER PLAN.
3	INSTALL GATE VALVE WITH RISER PER LHC STD. DTL. 300. SIZE IS 8" UNLESS OTHERWISE NOTED.
5	INSTALL 8"x6" DI TEE WITH RESTRAINED JOINT PER LHC TECH. SPEC. 02550.
9	INSTALL DI BEND WITH RESTRAINED JOINT PER LHC TECH. SPEC. 02550. SIZE AND ANGLE PER PLAN.
11	INSTALL 8" DI CROSS WITH RESTRAINED JOINT PER LHC TECH. SPEC. 02550.
12	INSTALL 8"x6" REDUCER WITH RESTRAINED JOINT PER LHC TECH. SPEC. 02550.
13	ENCASE WATER AND SEWER PIPE AT CROSSING PER LHC STD. DTL. 401C. LIMITS PER PLAN.
15	INSTALL 6" PVC C900 DR14 WATER PIPE PER LHC TECH. SPEC. 02550 AND UTILITY TRENCH PER LHC STD. DTL. 200. LENGTH PER PLAN.

NO.	#	#	#	#
NO.	#	#	#	#
REVISIONS / SUBMISSIONS	-	-	-	-
DATE	-	-	-	-

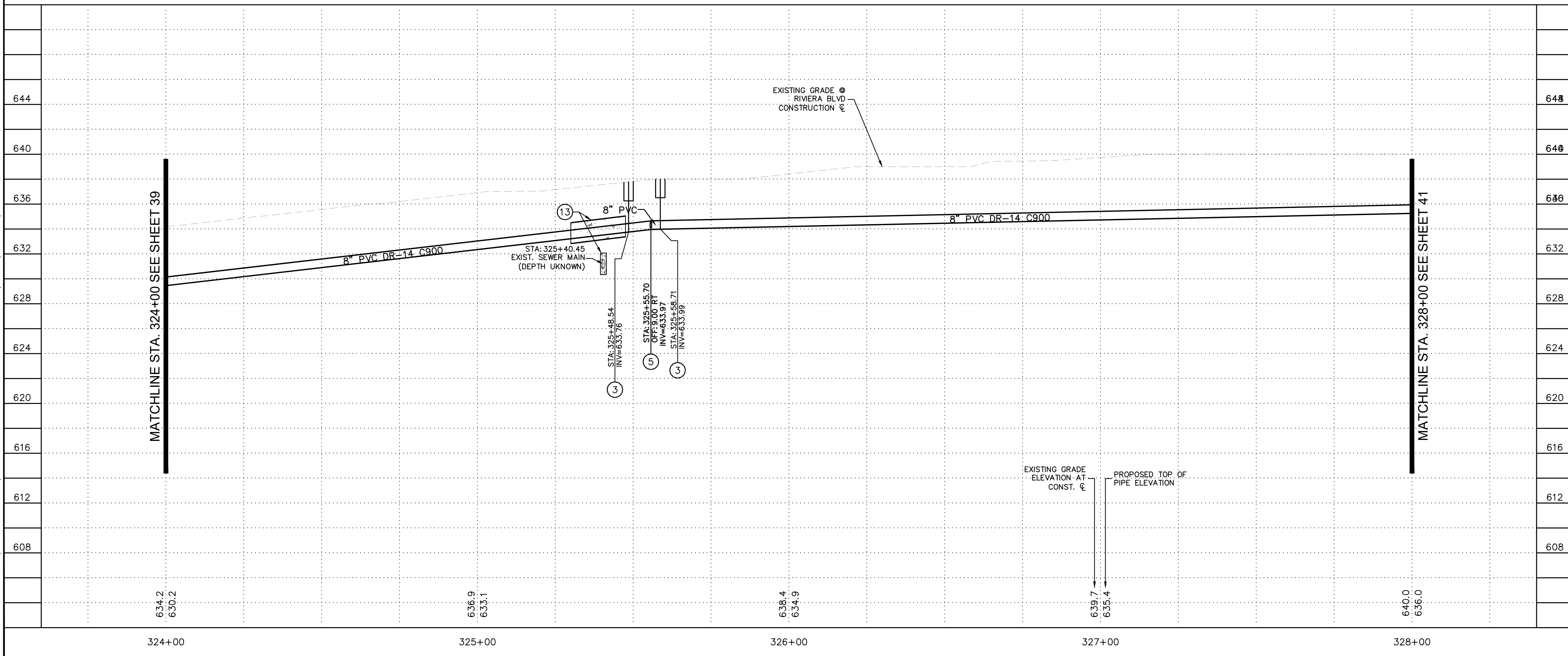
LAKE HAVASU CITY
CITY CORE PAVING RECONSTRUCTION

Designed by: JRW
 Drawn by: JWL
 Checked by: ACB
 Date: 09/08/23
 Dwg scale: 1"=20'

**RIVIERA BLVD
WATERLINE PLAN
AND PROFILE**



Sheet Number:
WT10
Sheet 40 OF 41



NOTES TO CONTRACTOR:

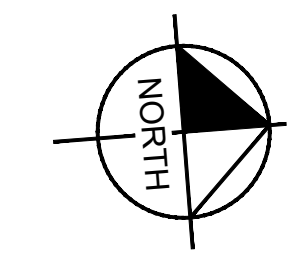
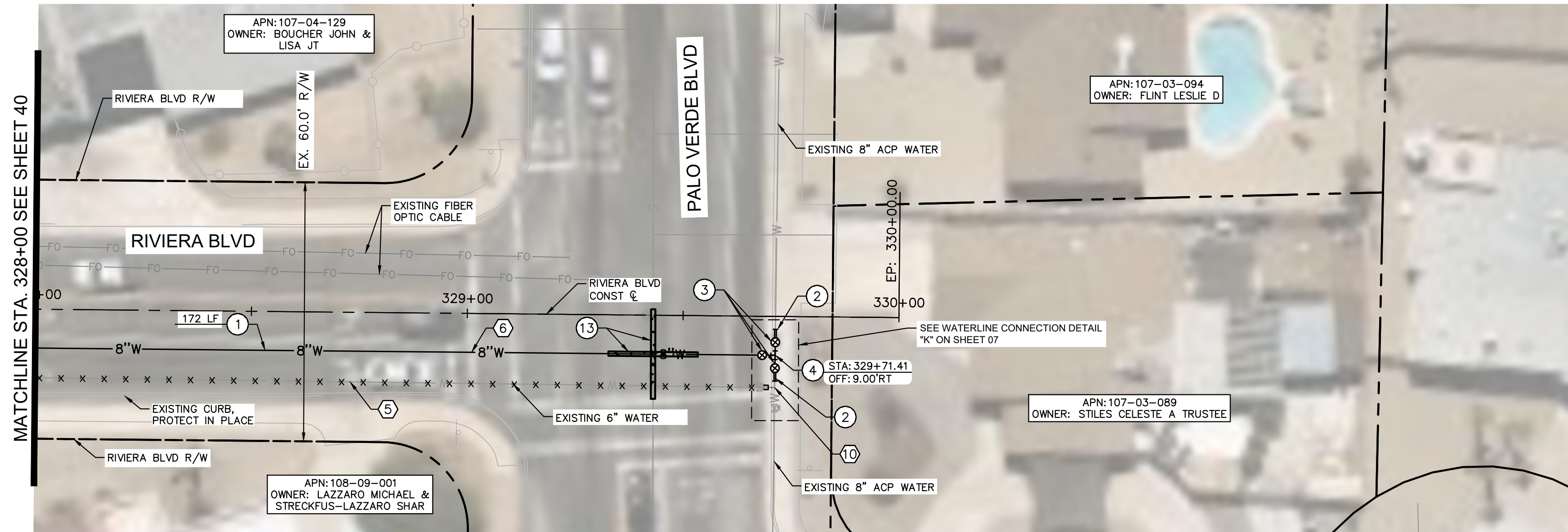
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GRAPHIC SCALE IN FEET
 HORIZONTAL: 0 10 20 40
 VERTICAL: 0 2.5 4 10

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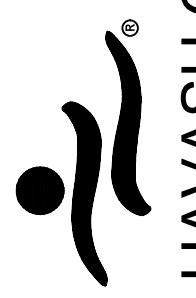
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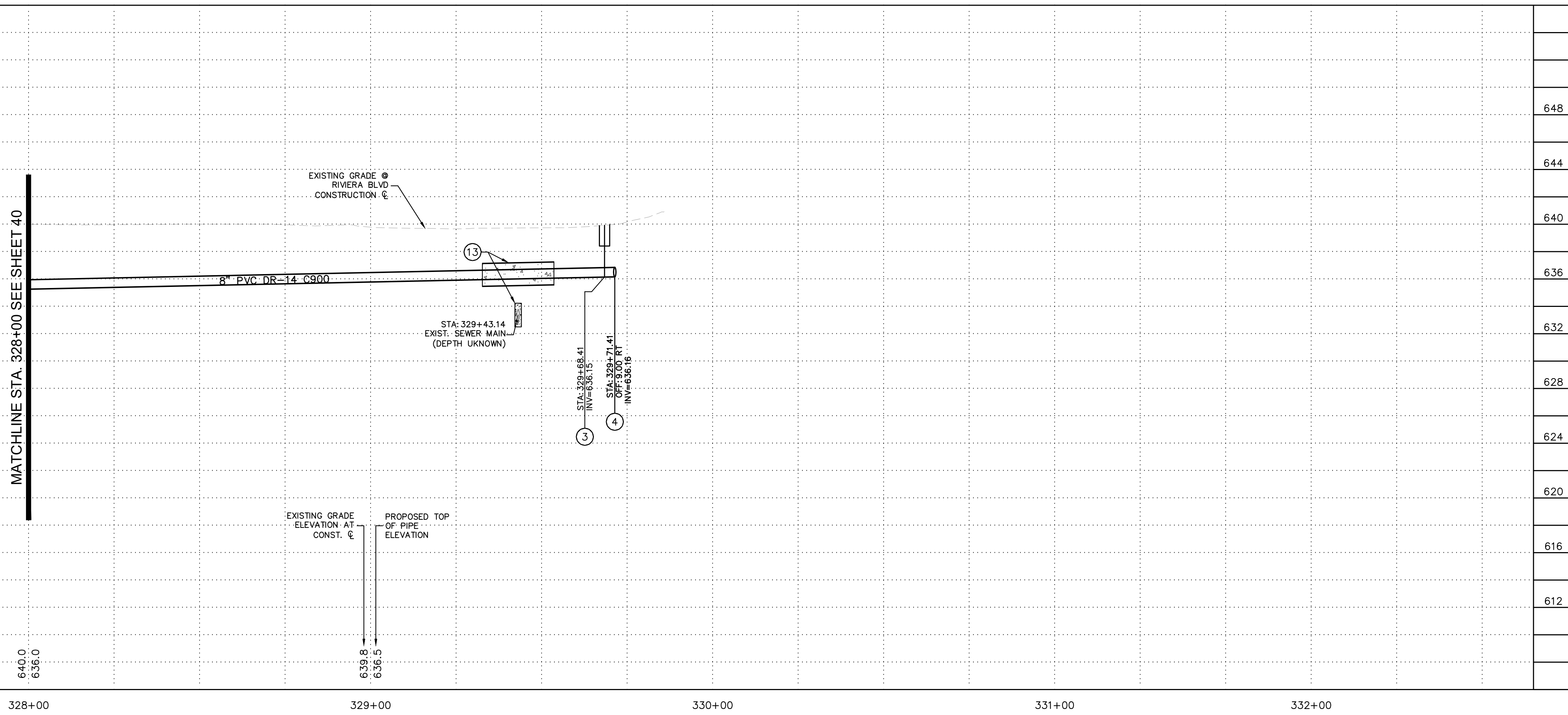
FILE NAME & PATH: K:\PRS_ROADWAY\191245016 - LHC CITY CORE PAVING\CADD\SHEETS\WT11.DWG



REMOVAL NOTES	
NO	DESCRIPTION
5	ABANDON EXISTING WATER MAIN IN PLACE AND CAP ENDS PER LHC TECH. SPEC. 02550.
6	SAWCUT, REMOVE, AND REPLACE (6'-WIDE) EXISTING PAVEMENT IN KIND. UTILITY TRENCH PATCH PER LHC STD. DTL. 200.
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WATER NOTES	
NO	DESCRIPTION
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2	CONNECT TO EXISTING WATER MAIN USING FLEX COUPLINGS. SIZE PER PLAN.
3	INSTALL GATE VALVE WITH RISER PER LHC STD. DTL. 300. SIZE IS 8" UNLESS OTHERWISE NOTED.
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13	ENCASE WATER AND SEWER PIPE AT CROSSING PER LHC STD. DTL. 401C. LIMITS PER PLAN.

 LAKE HAVASU CITY		DATE	-	-	-	-
		REVISIONS / SUBMISSIONS	-	-	-	-
NO.	#	#	#	#	#	#



LAKE HAVASU CITY	
CITY CORE PAVING RECONSTRUCTION	

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DESIGNED BY: JRW
 DRAWN BY: JWL
 CHECKED BY: ACB
 DATE: 09/08/23
 DWG SCALE: 1"=20'

RIVERA BLVD WATERLINE PLAN AND PROFILE

GRAPHIC SCALE IN FEET

HORIZONTAL: 0 10 20 40

VERTICAL: 0 2.5 4 10

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

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REGISTERED PROFESSIONAL ENGINEER
 69250 JAMES R. WARNE
 9/08/23
 ARIZONA

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Sheet Number: **WT11**
 Sheet 41 OF 41