

PROPOSED FACILITIES:

- PROPOSED 2" PE MAIN
- PROPOSED 2" PE COUPLER #140-3504
- PROPOSED 2" PE FULL FLOW TEE #140-3074
- PROPOSED 2" PE CAP #140-3060
- PROPOSED 2" X 1-1/4" REDUCER #140-3071
- PROPOSED 2" X 2" TAPPING TEE #160-8171
- PROPOSED 2" PE 90 DEGREE ELBOW #140-3067
- PROPOSED 1-1/4" PE MAIN
- PROPOSED 1-1/4" PE TEE #850-9343
- PROPOSED 1-1/4" PE 90 DEGREE ELBOW #850-9060
- PROPOSED 1-1/4" PE CAP #850-8696
- PROPOSED 1-1/4" PE SERVICE
- PROPOSED 1/2" PE SERVICE

ABANDONED FACILITIES:

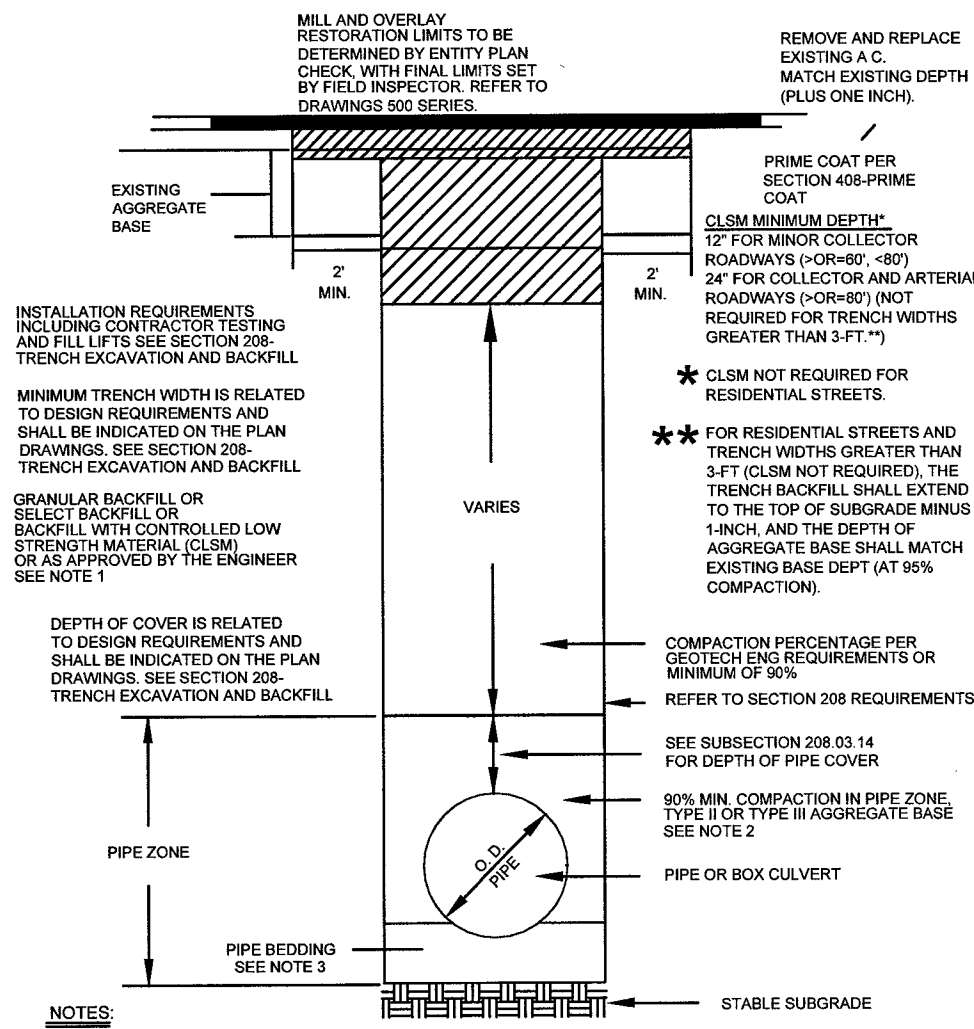
- ABANDON EX. 2" PVC '73 MOP 43#
- ABANDON EX. 1/2" PVC '73 MOP 43#
- ABANDON EX. 1" PVC '73 MOP 43#
- ABANDON EX. 3/4" PVC '73 MOP 43#
- ABANDON EX. 1" PE '06 MOP 43#
- ABANDON EX. 1" PE '01 MOP 43#
- ABANDON EX. 2" PVC '64 MOP 43#
- ABANDON EX. 1/2" PVC '63 MOP 43#
- ABANDON EX. 1" PE '79 MOP 43#
- ABANDON EX. 1/2" PVC '68 SVC
- ABANDON EX. 1/2" PVC '55 SVC
- ABANDON EX. 1/2" PVC '71 SVC
- ABANDON EX. 3/4" PVC '66 SVC
- ABANDON EX. 1/2" PVC '58 SVC
- ABANDON EX. 2" ESSENTIAL BALL VALVE #2131103
- ABANDON EX. 2" ESSENTIAL BALL VALVE #2131104
- ABANDON EX. 2" ESSENTIAL BALL VALVE #2131105
- ABANDON EX. 2" ESSENTIAL BALL VALVE #2131106
- ABANDON EX. 1" NON-ESSENTIAL PLUG VALVE #NE00000
- ABANDON EX. 2" PE '15 MOP 43#

QTY.

- 4,068'
- 459'
- 454'
- 1,553'
- 3'
- 2'
- 218'
- 123'
- 4'
- 50'
- 28'
- 6'
- 12'
- 5'
- 1
- 1
- 1
- 1
- 1
- 2'

CONSTRUCTION NOTES:

- SUGGESTED GAS LOCATIONS ARE TO CLEAR SUBSTRUCTURES LOCATE IN FIELD.
- ALL PIPELINE CONSTRUCTION SHALL CONFORM TO APPLICABLE JURISDICTION SPECIFICATIONS. DO NOT SCALE THIS DRAWING.
- SEE AC'S FOR SERVICE REPLACEMENT.
- CHANGE IN PROPOSED MAIN LOCATION MUST BE AUTHORIZED BY SWG ENGINEER PRIOR TO INSTALLATION.
- GAS MAINS SHALL BE PURGED PER OPERATIONS MANUAL.
- ABANDONED SERVICE NO ACTION REQUIRED.
- REPLACE ALL ACTIVE SERVICES EXCEPT WHERE EXISTING PE SERVICES ARE VERIFIED, INSPECTED, AND APPROVED FOR TIE-OVER BY SWG INSPECTOR.
- EXISTING PE SERVICE, PE VERIFICATION, AND INSPECTION REQUIRED FROM MAIN TO RISER. TIE INTO NEW MAIN IF APPROVED BY SWG INSPECTOR, OTHERWISE REPLACE SERVICE.
- EXISTING SERVICE, UNKNOWN TYPE, SIZE, AND LOCATION TO BE VERIFIED.
- EXISTING ANODE RISER.
- EXISTING ANODELESS RISER.
- REPLACEMENT SVCS TO BE SINGLE OR BRANCHED. NO CROSS-LOT REPLACEMENT SVCS PERMITTED.
- REPLACE ALL ANODE RISERS WITH ANODELESS RISERS.
- CITY OF LAS VEGAS PERMIT REQUIRED.
- ALL EXISTING UTILITY LOCATIONS TO BE VERIFIED PRIOR TO START OF CONSTRUCTION.
- CONTACT ENGINEERING FOR BYPASS INFORMATION.
- ALL MAIN TIE-INS REQUIRING TEES ARE TO BE FULL-FLOW TEES UNLESS OTHERWISE STATED.
- ALL SHORING REQUIREMENTS SHALL CONFORM TO APPLICABLE PORTIONS OF THE OPERATIONS MANUAL.
- REQUEST FOR SURVEYING AND/OR STAKING WILL BE SUBMITTED TO ENGINEERING 72 HOURS IN ADVANCE, MINIMUM.
- THE FOLLOWING VALVE IS TO BE ABANDONED ON THIS WORK REQUEST:
2" ESSENTIAL BALL VALVE #2131103
2" ESSENTIAL BALL VALVE #2131104
2" ESSENTIAL BALL VALVE #2131105
2" ESSENTIAL BALL VALVE #2131106
1" NON-ESSENTIAL PLUG VALVE #NE00000
- TRENCHING AND PAVEMENT REPLACEMENT SHALL CONFORM WITH RTC STANDARD 500.3 & 500.4
- REPLACE EXISTING SERVICES WITH SIMILAR SIZE, UNLESS OTHERWISE NOTED.
- PROTECT ALL EXISTING VALLEY GUTTERS IN PLACE WHEN CROSSING. BORE DO NOT CUT.



- NOTES:
- NO STONES OR LUMPS GREATER THAN 2" PERMITTED IN TRENCH 2' OR LESS IN WIDTH.
 - TRENCH WIDTH, BEDDING, SUBGRADE AND PIPE ZONE REQUIREMENTS FOR UTILITY INSTALLATIONS SHALL CONFORM TO THE RESPECTIVE ENTRY REQUIREMENTS.
 - CRUSHED ROCK MAY BE USED FOR PIPE BEDDING ONLY IF MATERIAL HAS BEEN SPECIFICALLY APPROVED BY THE GOVERNING AGENCY. SEE STANDARD DRAWING NO. 505 FOR PIPE BEDDING METHODS.
 - LAS VEGAS VALLEY WATER DISTRICT REQUIRES PIPE BEDDING AND BACKFILL WITHIN THE PIPE ZONE TO BE OF THE SAME MATERIAL.

RTC STD DWG 503

NO.	DESCRIPTION	BY	DATE	APPVD.
1.				
2.				
3.				
4.				

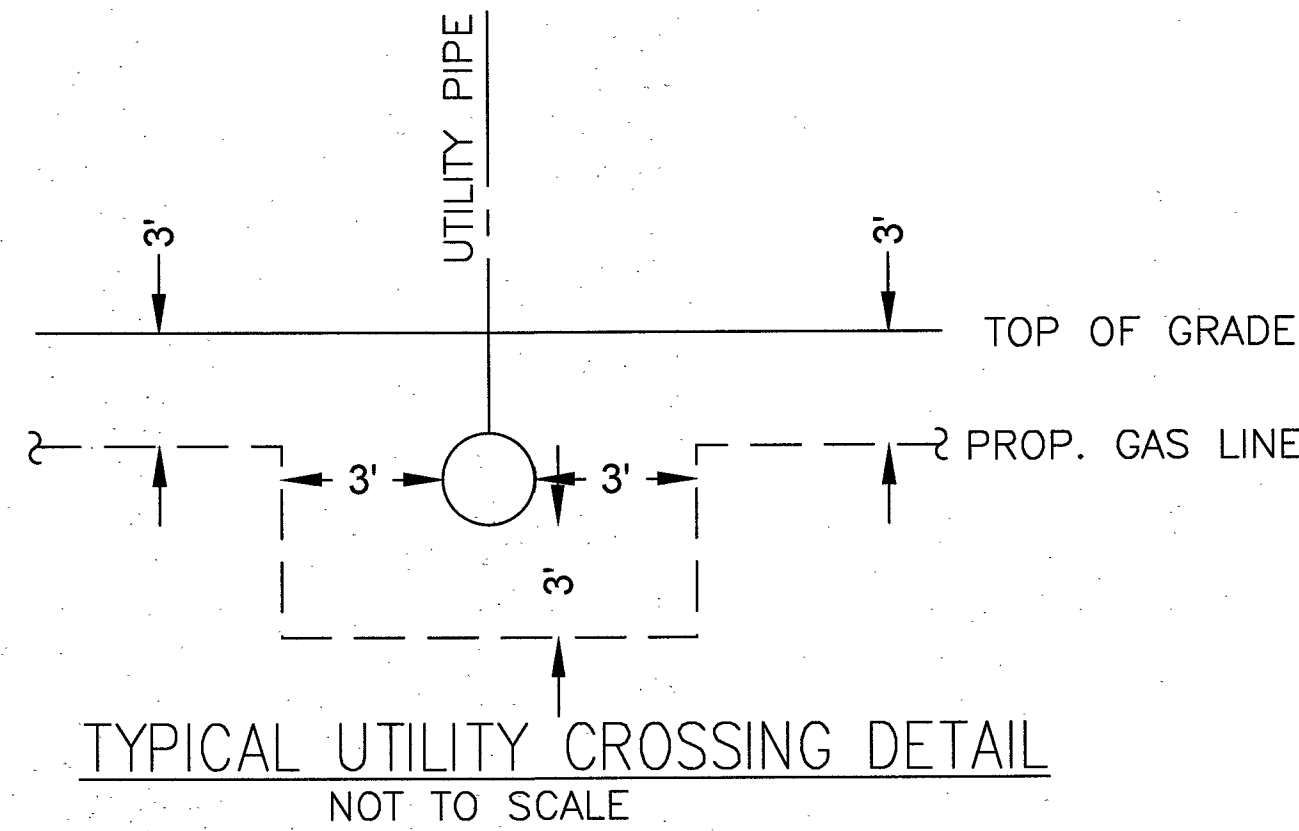


02-0203	3760102	2" PE	127'	0'		
02-0203	3760101	1" PE	0'	4'		
02-0203	3760601	1/2" PVC	0'	123'		
02-0203	3800101	1/2" PE	18'	0'		
02-0203	3800601	1/2" PVC	0'	5'		
02-0200	3760602	2" PVC	0'	4,288'		
02-0200	3760601	1" PVC	0'	454'		
02-0200	3760601	3/4" PVC	0'	1,553'		
02-0200	3760601	1/2" PVC	0'	459'		
02-0200	3760102	2" PE	4,821'	2'		
02-0200	3760101	1-1/4" PE	2,555'	459'		
02-0200	3760101	1" PE	0'	3'		
02-0200	3800101	1-1/4" PE8100	48'	0'		
02-0200	3800101	1/2" PE	83'	0'		
02-0200	3800601	3/4" PVC	0'	12'		
02-0200	3800601	1/2" PVC	0'	84'		
	TAX CODES	UNIT NO.	UNIT TYPE	INSTL. PROPOSED	RETIRED COMPLETED	

PROPERTY UNITS

EXISTING RISERS	QTY.
# OF ANODELESS RISERS	12
# OF ANODE RISERS	128

SYSTEM	D_VALLEY_WIDE
DR. NO.	21DR10002365
SEGMENT M.A.O.P.	N/A
SYSTEM M.A.O.P.	43 PSIG
SYSTEM M.O.P.	43 PSIG

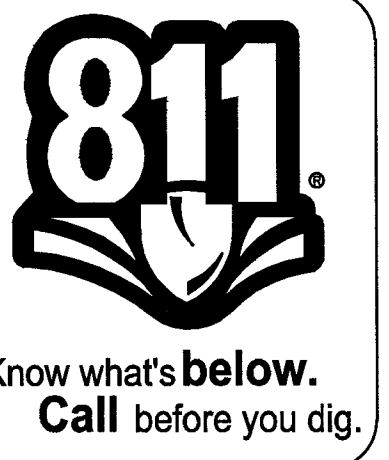


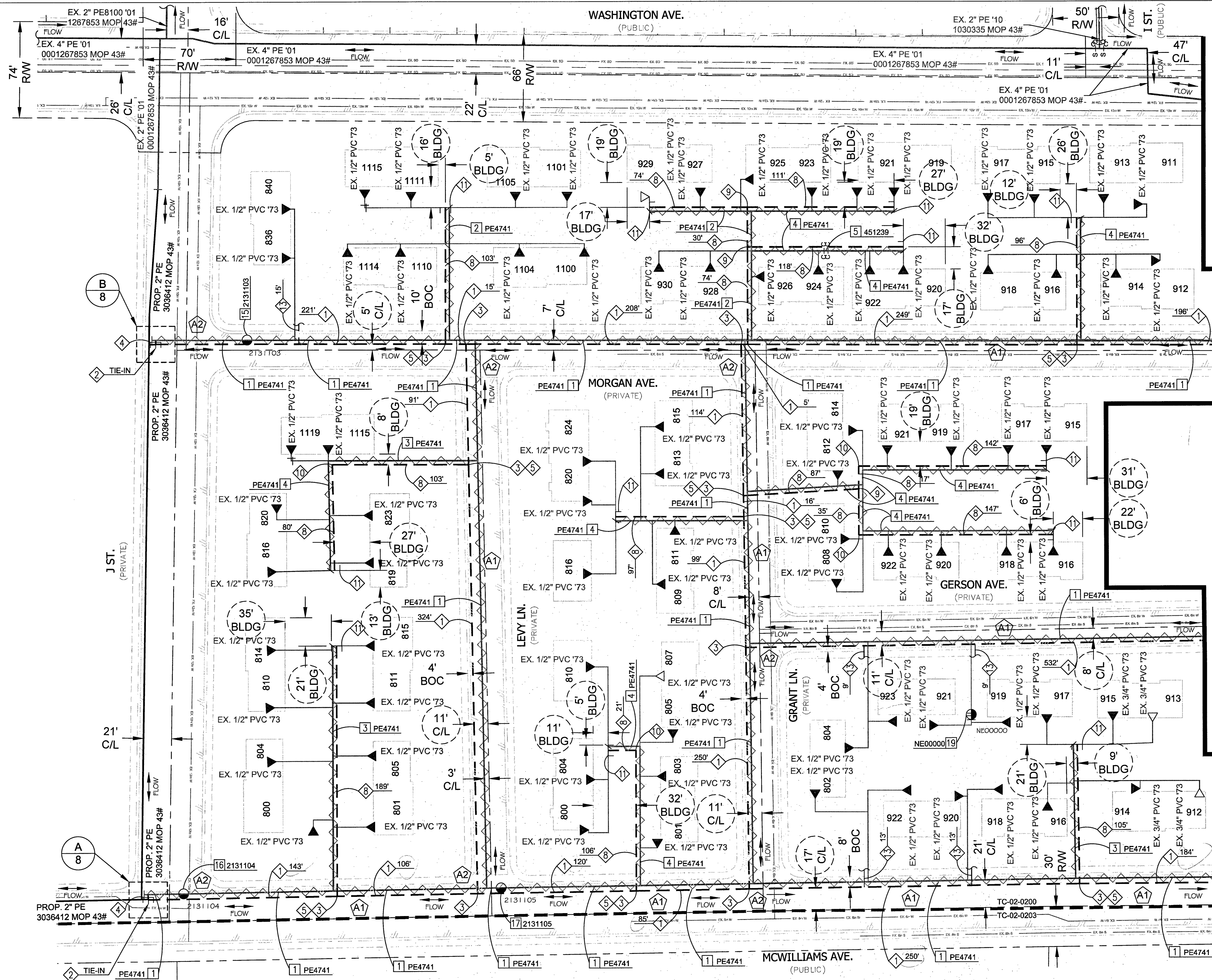
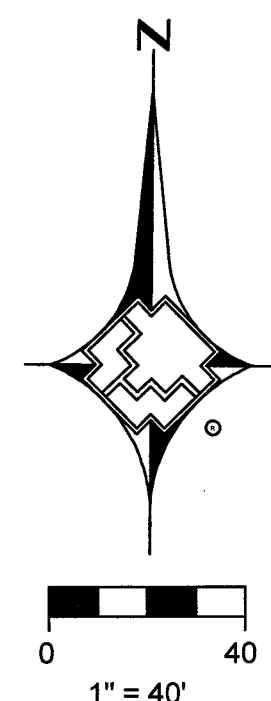
PURGE PLAN WAS COMPLETED IN ACCORDANCE WITH THE OPERATIONS MANUAL GUIDELINES BY:

PRINT: _____ DATE: _____

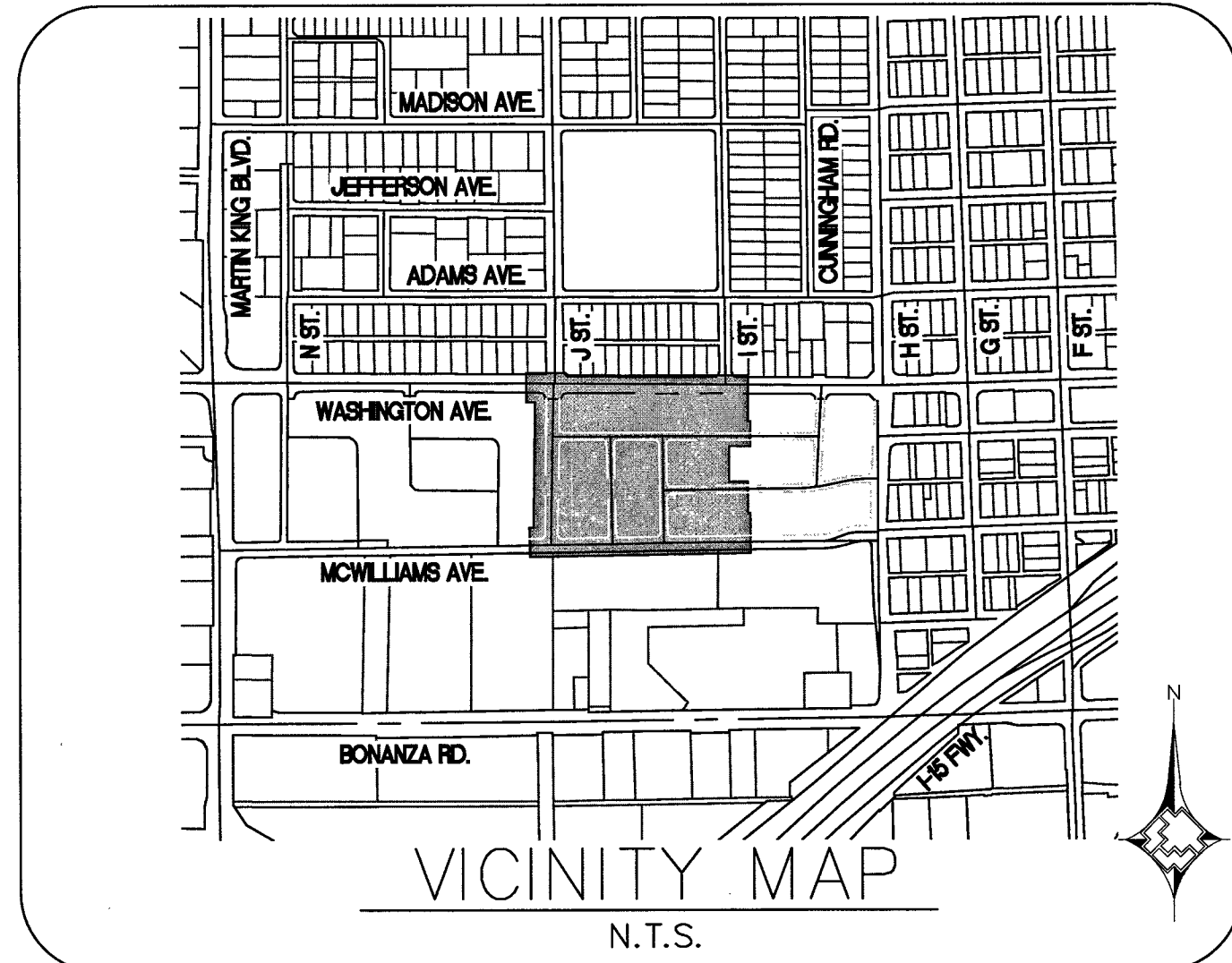
SIGNATURE: _____

AS-BUILT DRAWING-PRESSURE TEST DATA	VISUAL INSPECTION CERTIFICATION	CONSTRUCTION	ISOLATION AREA	W.R. NO.	ENGINEER/TECH: JACOB SAKAGUCHI	PHONE: 702-365-2409
PIPE DIA. _____	I HAVE VISUALLY INSPECTED ALL HEATED FUSIONS, SOLVENT CEMENT, MECHANICAL JOINTS, AND WELDS THAT I HAVE PERFORMED	INSPECTOR _____	ISO_21_DIST_092	3036598	ACCOUNT REP. _____	PHONE: _____
PIPE LENGTH _____	NAME _____ DATE _____	FOREMAN _____			PROJECT CONTACT: _____	PHONE: _____
PIPE TYPE _____	TEST MEDIUM: ☐ AIR ☐ NITROGEN ☐ WATER ☐ SOAP	REVIEWED BY _____			SHEET NO: 2 OF 8	SCALE: N.T.S.
MIN. DURATION _____	TEST METHOD: ☐ GAUGE ☐ CHART ☐ GAUGE/ PRESS REC SN#				DATE: 02/03/2016	APPVD. BY: _____
TEST PRES. (PSIG) _____	AS-BUILTS ACCEPTED BY _____ DATE _____	PERMIT INFORMATION	LOCATION	ATLAS #/TILE #	GIR 2016 - CLV - WASHINGTON & J STREET PART 2	
TIME _____	POSTED BY _____ DATE _____	CITY OF LAS VEGAS	T20S	x624y520		
DATE _____	POSTING QCD BY _____ DATE _____	TAX CODE	R61E	x627y520		
PERFORMED BY _____		02-0200 & 02-0203	S 28			
			M.D.M.			





MATCHLINE - SEE SHEET 5



LEGEND:

- EXISTING GAS LINE
- GAS LINE TO BE ABANDONED
- EXISTING GAS SERVICE
- PROPOSED MAIN GAS LINE (NEW)
- PROPOSED SERVICE LATERAL (NEW)
- PROPOSED SERVICE LINE (NEW)
- RIGHT OF WAY LINE
- STREET CENTERLINE
- PROPERTY LINE
- PAVEMENT CUT AND REPAIR
- BACK OF CURB
- MATCHLINE
- EXISTING ANODELESS RISER
- EXISTING ANODE RISER
- EXISTING GAS LIGHT
- EXISTING GAS VALVE

RTC NOTES:
PAVEMENT REPAIR AND / OR BACKFILL SHALL CONFORM TO RTC:

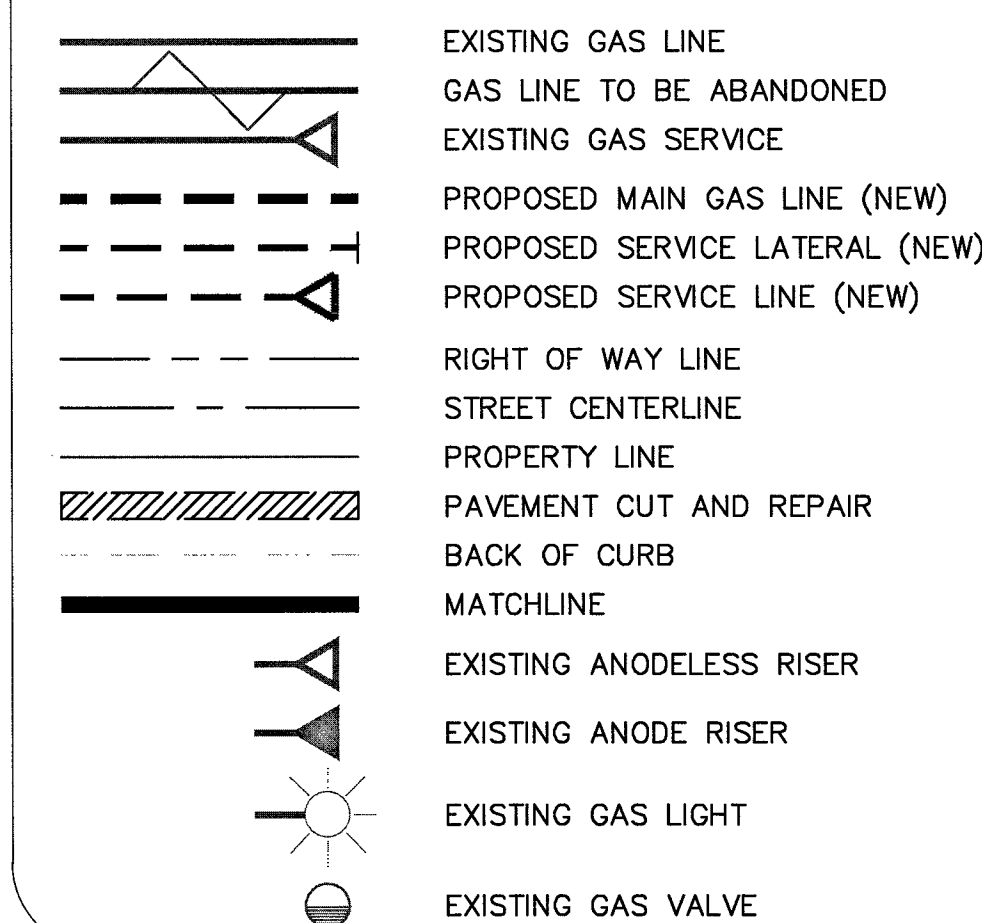
- A1 500.4
- A2 500.5

811
Know what's below.
Call before you dig.

1. 2. 3. 4. NO. DESCRIPTION BY DATE APPVD				AS-BUILT DRAWING-PRESSURE TEST DATA PIPE DIA. _____ TEST MEDIUM _____ TEST METHOD _____ PIPE LENGTH _____ PIPE TYPE _____ MIN. DURATION _____ TEST PRES. (PSIG) _____ TIME _____ DATE _____ PERFORMED BY _____				VISUAL INSPECTION CERTIFICATION I HAVE VISUALLY INSPECTED ALL HEATED FUSIONS, SOLVENT CEMENT, MECHANICAL JOINTS, AND WELDS THAT I HAVE PERFORMED NAME _____ DATE _____ INSPECTOR _____ FOREMAN _____ REVIEWED BY _____				CONSTRUCTION INSPECTOR _____ FOREMAN _____ REVIEWED BY _____				ISOLATION AREA ISO_21_DIST_092				W.R. NO. 3036598				ENGINEER/TECH: JACOB SAKAGUCHI ACCOUNT REP: _____ PROJECT CONTACT: _____ SHEET NO: 4 OF 8 DWN. BY: SEI				PHONE: 702-365-2409 PHONE: _____ PHONE: _____ DATE: 02/03/2016 APPVD. BY: _____			
REVISIONS				PROPERTY UNITS TAX CODES _____ UNIT NO. _____ UNIT TYPE _____ INSTL. RETIRED INSTL. RETIRED PROPOSED COMPLETED				PERMIT INFORMATION CITY OF LAS VEGAS TAX CODE 02-0200 & 02-0203				LOCATION T20S R61E S28 M.D.M.				ATLAS #/TILE # x624y520 x627y520				TITLE GIR 2016 - CLV - WASHINGTON & J STREET PART 2											



DOC_3036598



RTC NOTES:

PAVEMENT REPAIR AND / OR BACKFILL SHALL CONFORM TO RTC:

A1	500.4
A2	500.5

[illegible]

AS-BUILT DRAWING-PRESSURE TEST DATA			
PIPE DIA. _____	TEST MEDIUM	TEST METHOD	
PIPE LENGTH _____	☐ AIR	☐ GAUGE	
PIPE TYPE _____	☐ NITROGEN	☐ CHART	
MIN DURATION _____	☐ WATER	GAUGE/ PRESS REC. NO# _____	
	☐ SOAP		
TEST PRES. (PSIG) _____	START _____	END _____	
TIME _____			
DATE _____			
PERFORMED BY _____			

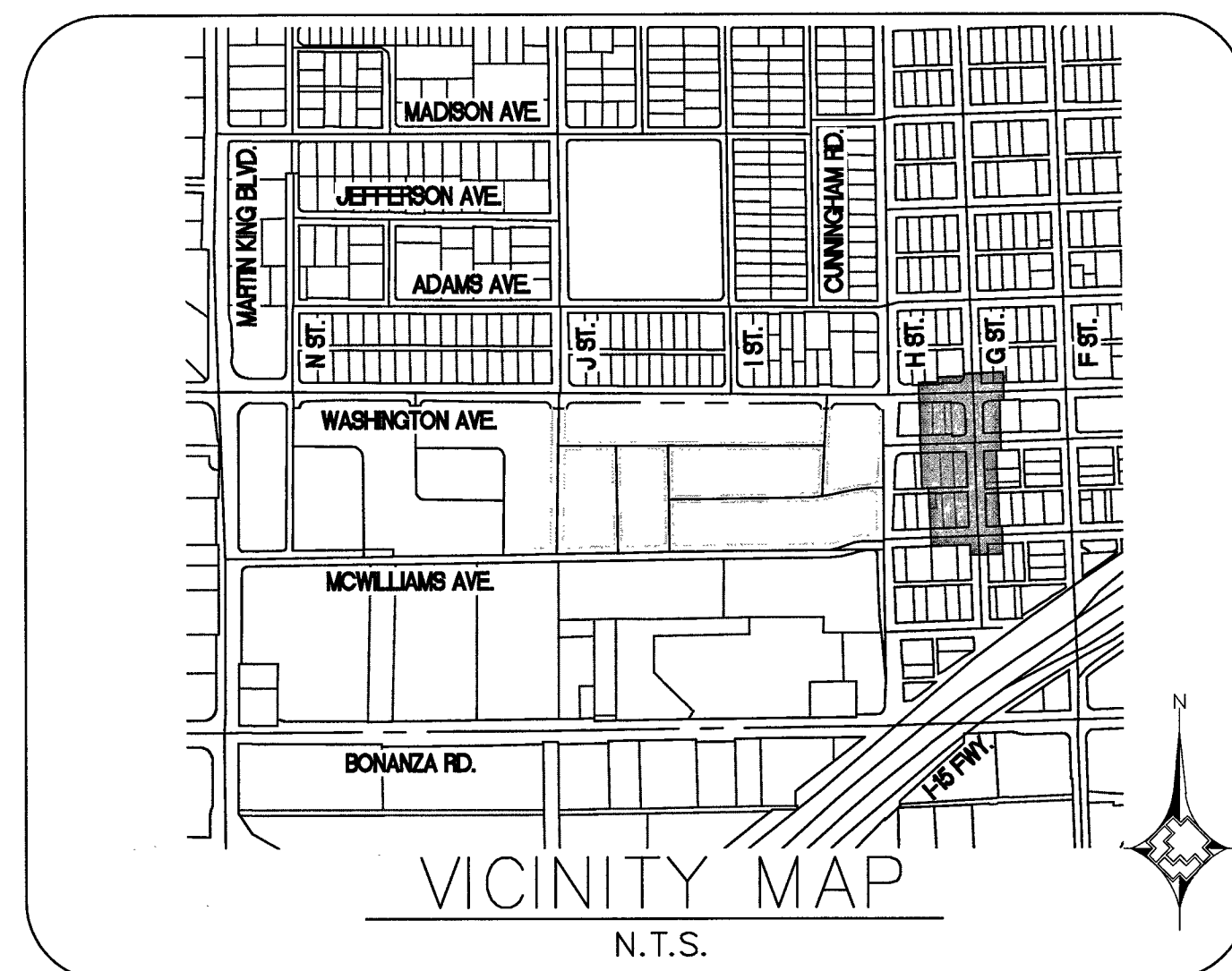
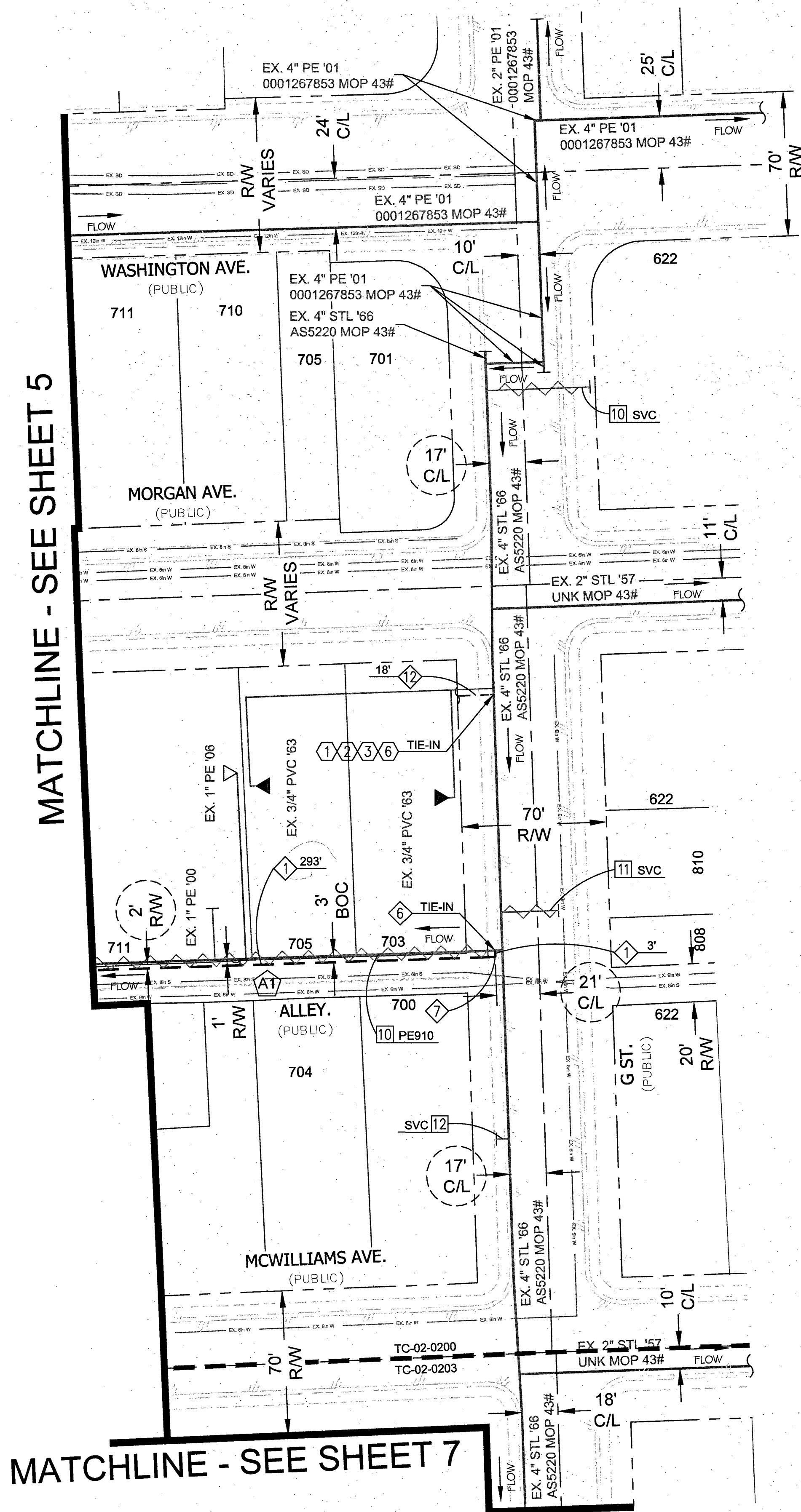
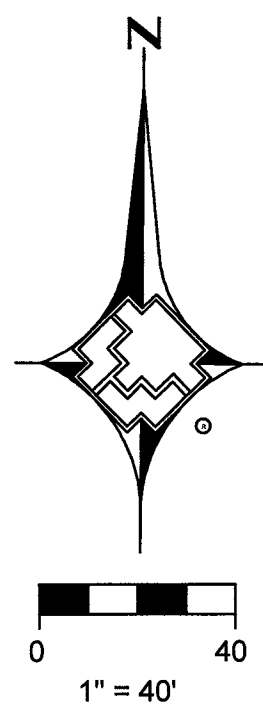
VISUAL INSPECTION CERTIFICATION	
I HAVE VISUALLY INSPECTED ALL HEATED FUSIONS, SOLVENT CEMENT, MECHANICAL JOINTS, AND WELDS THAT I HAVE PERFORMED	
NAME _____	DATE _____
SEE SHEET 2	
AS-BUILTS ACCEPTED BY _____	DATE _____
POSTED BY _____	DATE _____
POSTING QCD BY _____	DATE _____

CONSTRUCTION	
INSPECTOR _____	SEE SHEET 2
FOREMAN _____	
REVIEWED BY _____	
PERMIT INFORMATION	
CITY OF LAS VEGAS	
TAX CODE	
02-0200 & 02-0203	

	ISOLATION AREA
	ISO_21_DIST_092
	LOCATION
	T20S R61E S 28 M.D.M.

	W.R. NO.
	3036598
	ATLAS #/TILE #
	x624y520
	x627y520

ENGINEER/TECH: JACOB SAKAGUCHI		PHONE: 702-365-2409
ACCOUNT REP:		PHONE:
PROJECT CONTACT:		PHONE:
SHEET NO: 5 OF 8	SCALE: 1" = 40'	DATE: 02/03/2016
DWN. BY: SEI	CHKD. BY:	APPVD. BY:
TITLE		
GIR 2016 - CLV - WASHINGTON & J STREET PART 2		

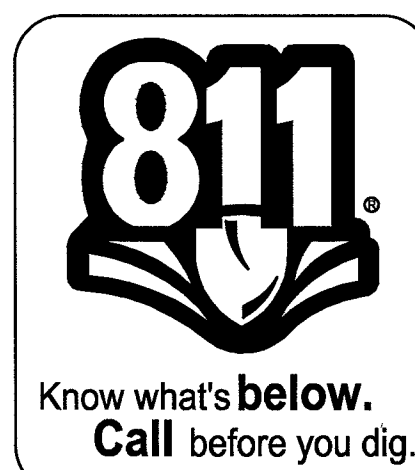


LEGEND:

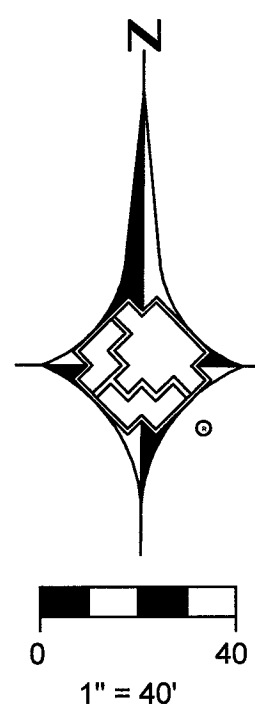
- EXISTING GAS LINE
- GAS LINE TO BE ABANDONED
- EXISTING GAS SERVICE
- PROPOSED MAIN GAS LINE (NEW)
- PROPOSED SERVICE LATERAL (NEW)
- PROPOSED SERVICE LINE (NEW)
- RIGHT OF WAY LINE
- STREET CENTERLINE
- PROPERTY LINE
- PAVEMENT CUT AND REPAIR
- BACK OF CURB
- MATCHLINE
- EXISTING ANODELESS RISER
- EXISTING ANODE RISER
- EXISTING GAS LIGHT
- EXISTING GAS VALVE

RTC NOTES:
PAVEMENT REPAIR AND / OR BACKFILL SHALL CONFORM TO RTC:

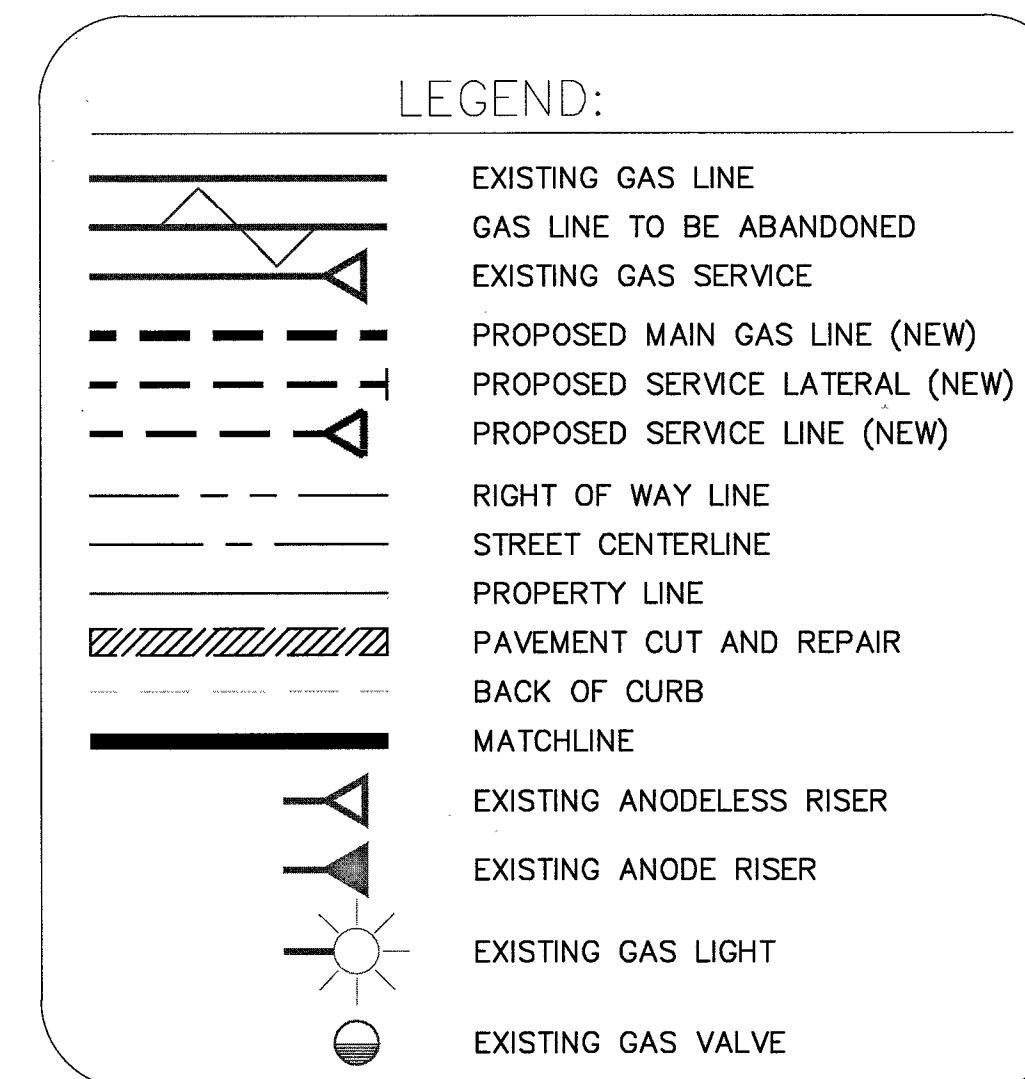
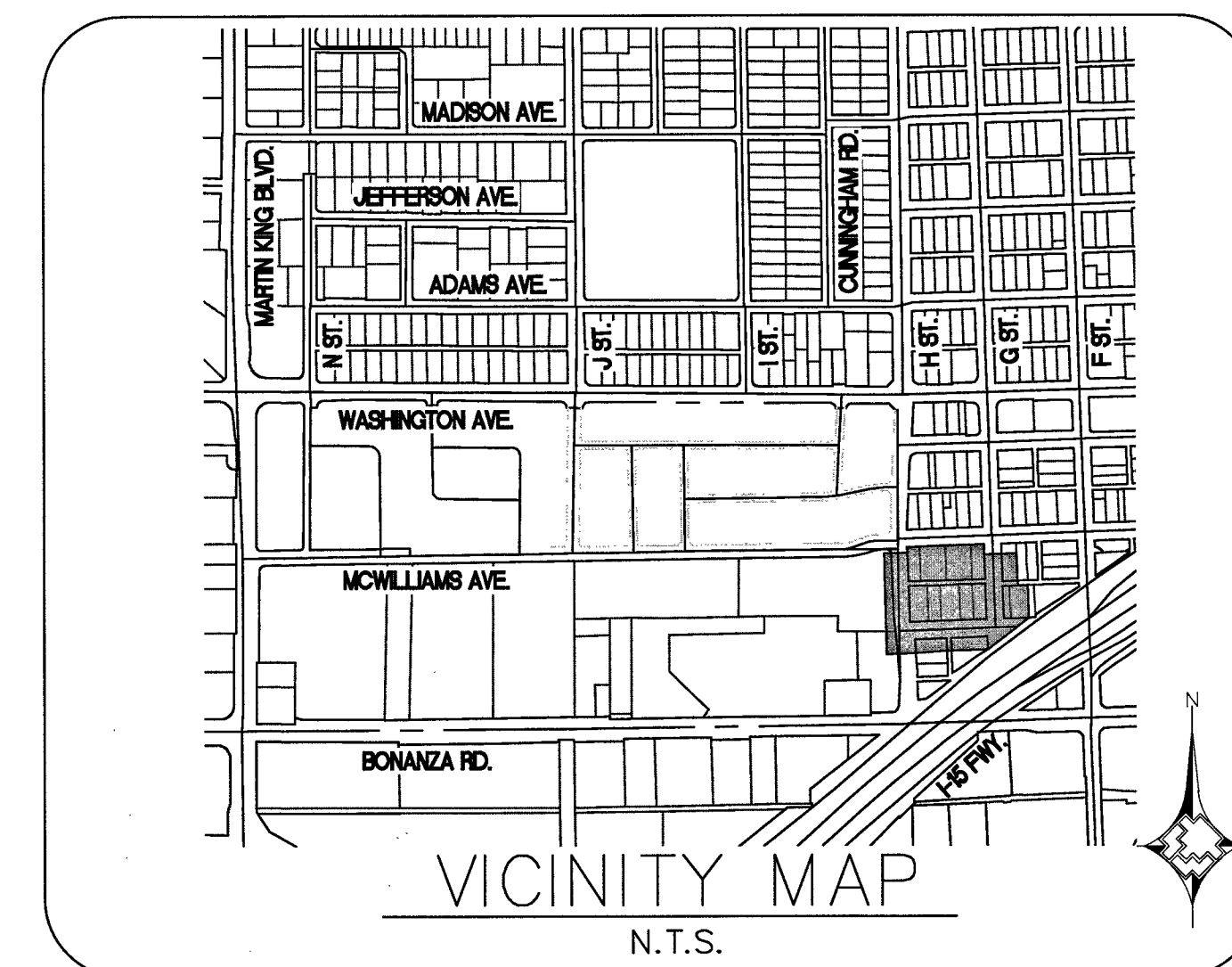
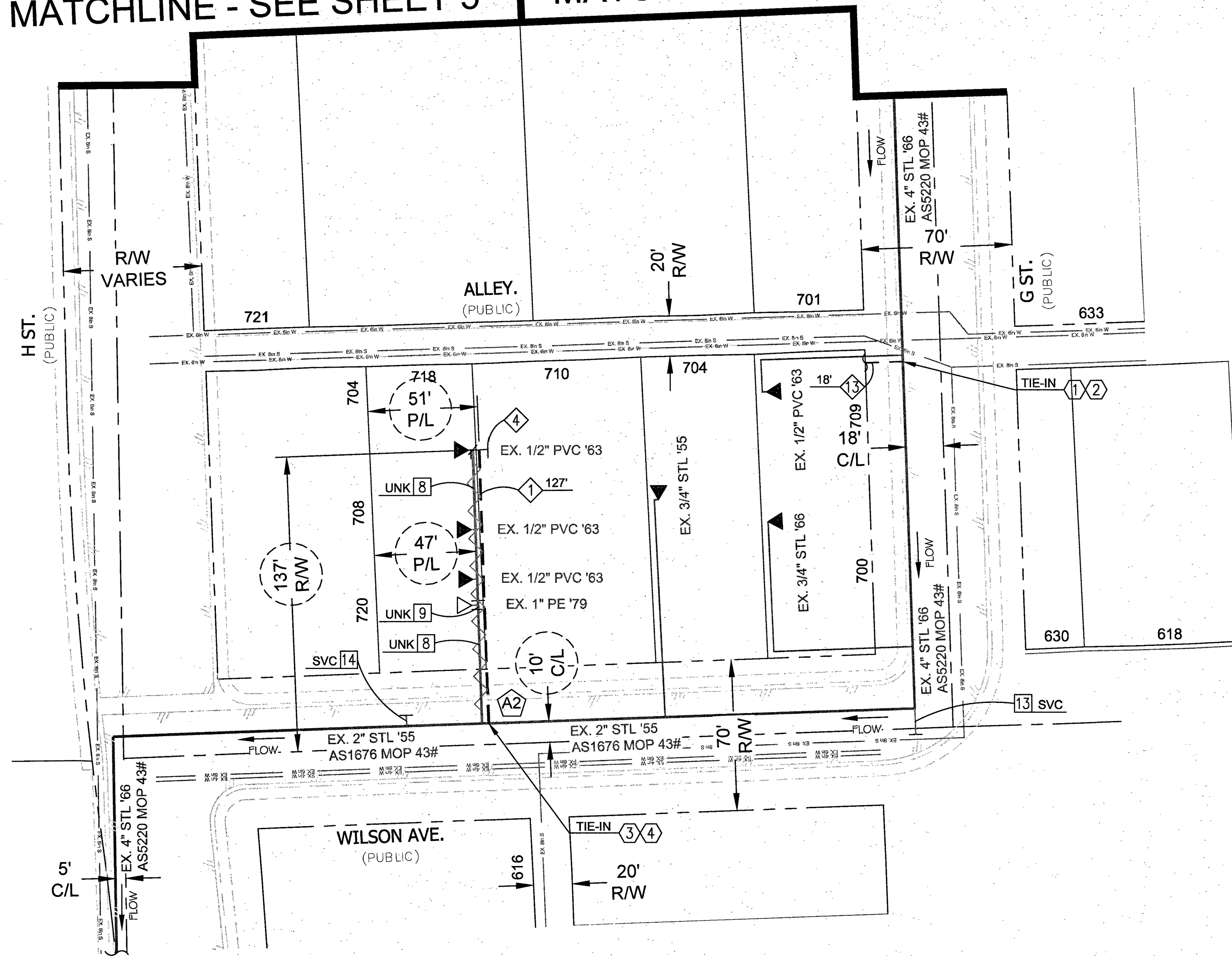
- A1 500.4
- A2 500.5



1. 2. 3. 4. NO. DESCRIPTION BY DATE APPVD. REVISIONS				AS-BUILT DRAWING-PRESSURE TEST DATA PIPE DIA. _____ TEST MEDIUM _____ TEST METHOD _____ PIPE LENGTH _____ ☐ AIR ☐ GAUGE ☐ NITROGEN ☐ CHART PIPE TYPE _____ ☐ WATER ☐ GAUGE/ MIN. DURATION _____ ☐ SOAP ☐ PRESS REC SN# TEST PRES. (PSIG) _____ START _____ END _____ TIME _____ DATE _____ PERFORMED BY _____ SEE SHEET 2				VISUAL INSPECTION CERTIFICATION I HAVE VISUALLY INSPECTED ALL HEATED FUSIONS, SOLVENT CEMENT, MECHANICAL JOINTS, AND WELDS THAT I HAVE PERFORMED NAME _____ DATE _____ FOREMAN _____ REVIEWED BY _____ PERMIT INFORMATION CITY OF LAS VEGAS TAX CODE 02-0200 & 02-0203		CONSTRUCTION INSPECTOR _____ FOREMAN _____ REVIEWED BY _____ SEE SHEET 2		ISOLATION AREA ISO_21_DIST_092		W.R. NO. 3036598		ENGINEER/TECH: JACOB SAKAGUCHI ACCOUNT REP: _____ PROJECT CONTACT: _____ SHEET NO: 6 OF 8 SCALE: 1" = 40' DATE: 02/03/2016 DWN. BY: SEI CHKD. BY: _____ APPVD. BY: _____		PHONE: 702-365-2409 PHONE: _____ PHONE: _____	
SOUTHWEST GAS CORPORATION				TAX CODES UNIT NO. UNIT TYPE INSTL. RETIRED INSTL. RETIRED PROPOSED COMPLETED PROPERTY UNITS				LOCATION T20S R61E S 28 M.D.M.		ATLAS #/TITLE # x624y520 x627y520		GIR 2016 - CLV - WASHINGTON & J STREET PART 2							

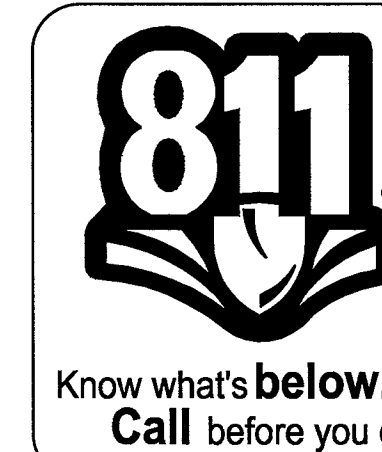


MATCHLINE - SEE SHEET 5 | MATCHLINE - SEE SHEET 6

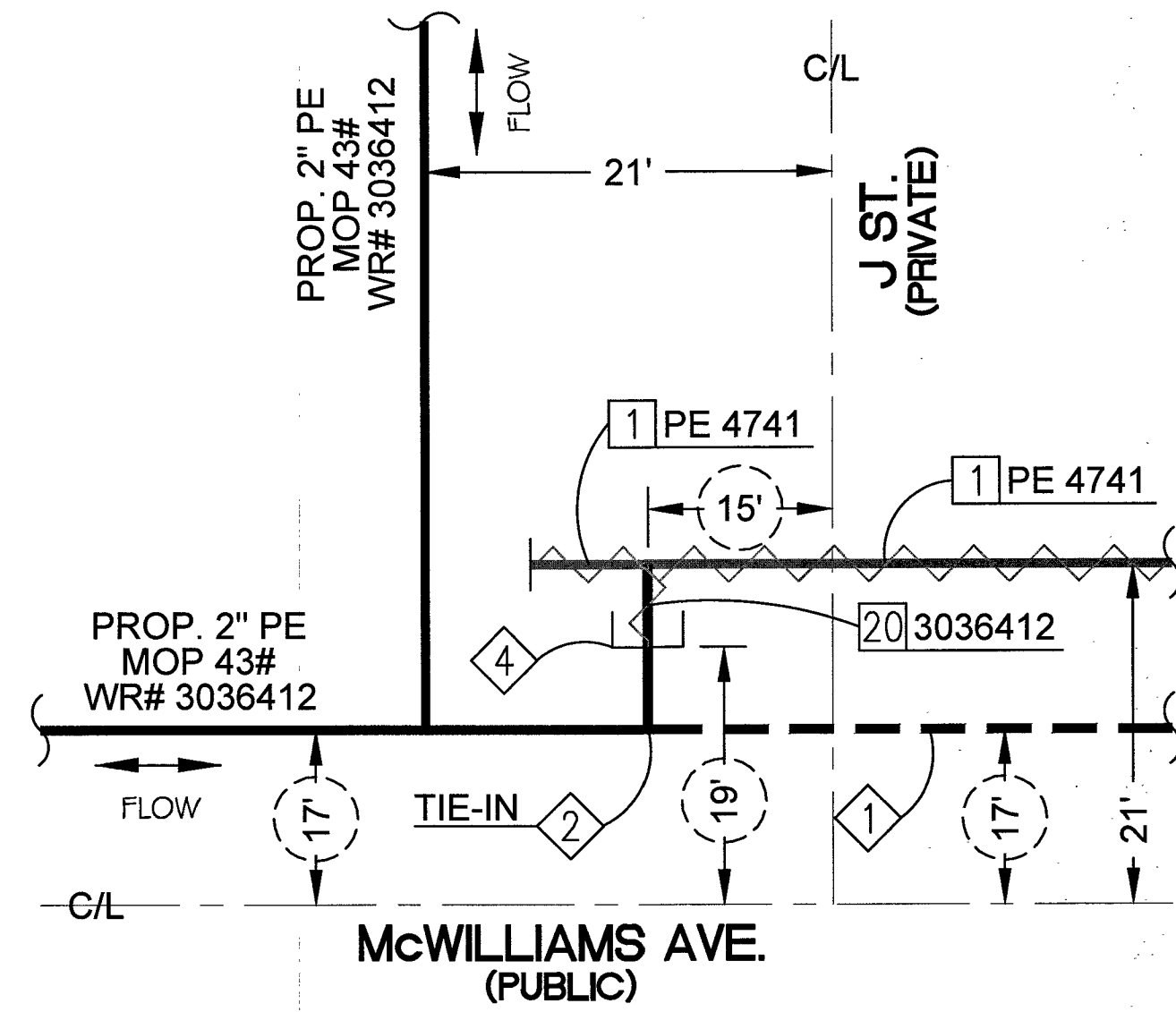


RTC NOTES:
PAVEMENT REPAIR AND / OR BACKFILL SHALL CONFORM TO RTC:

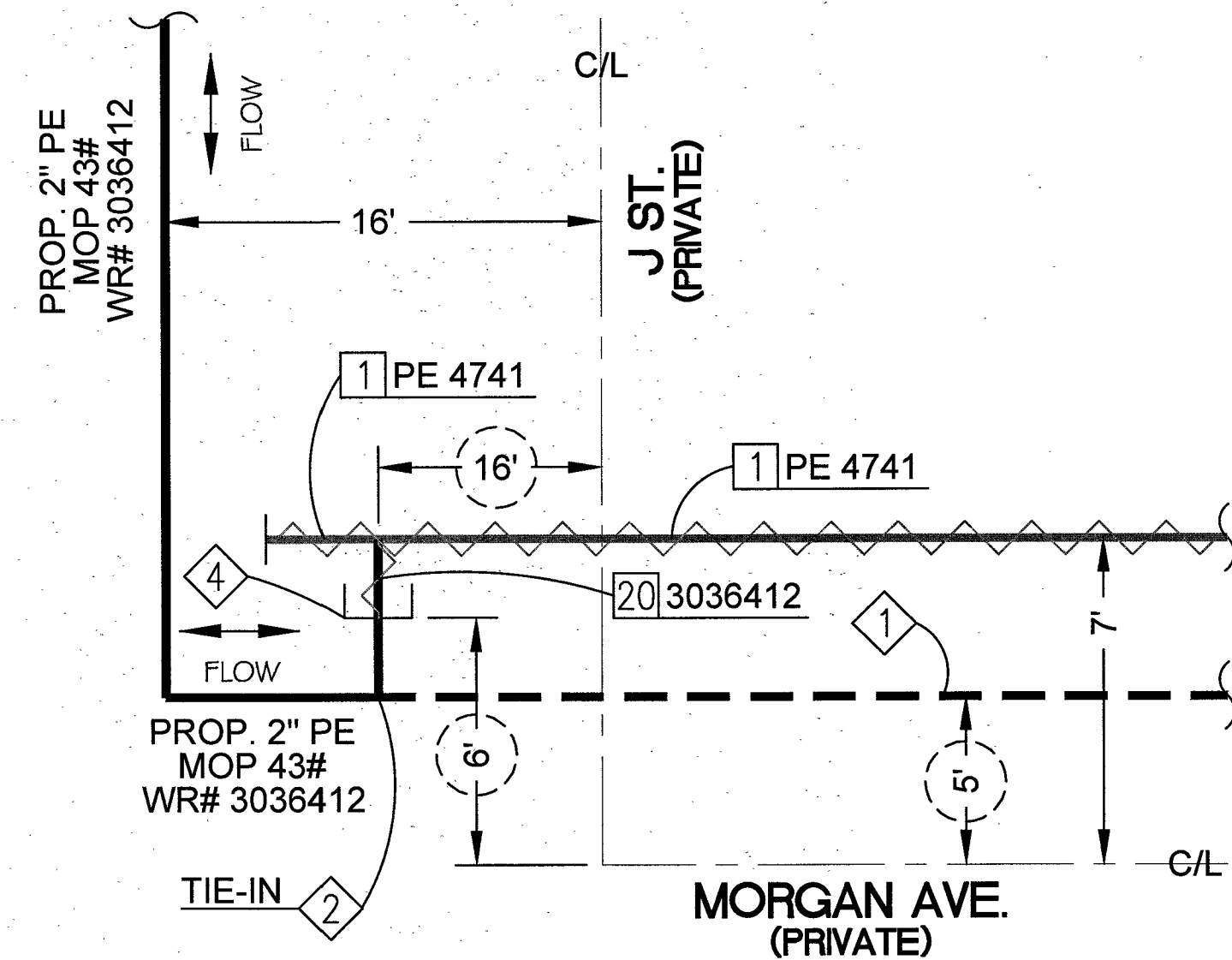
A1 500.4
A2 500.5



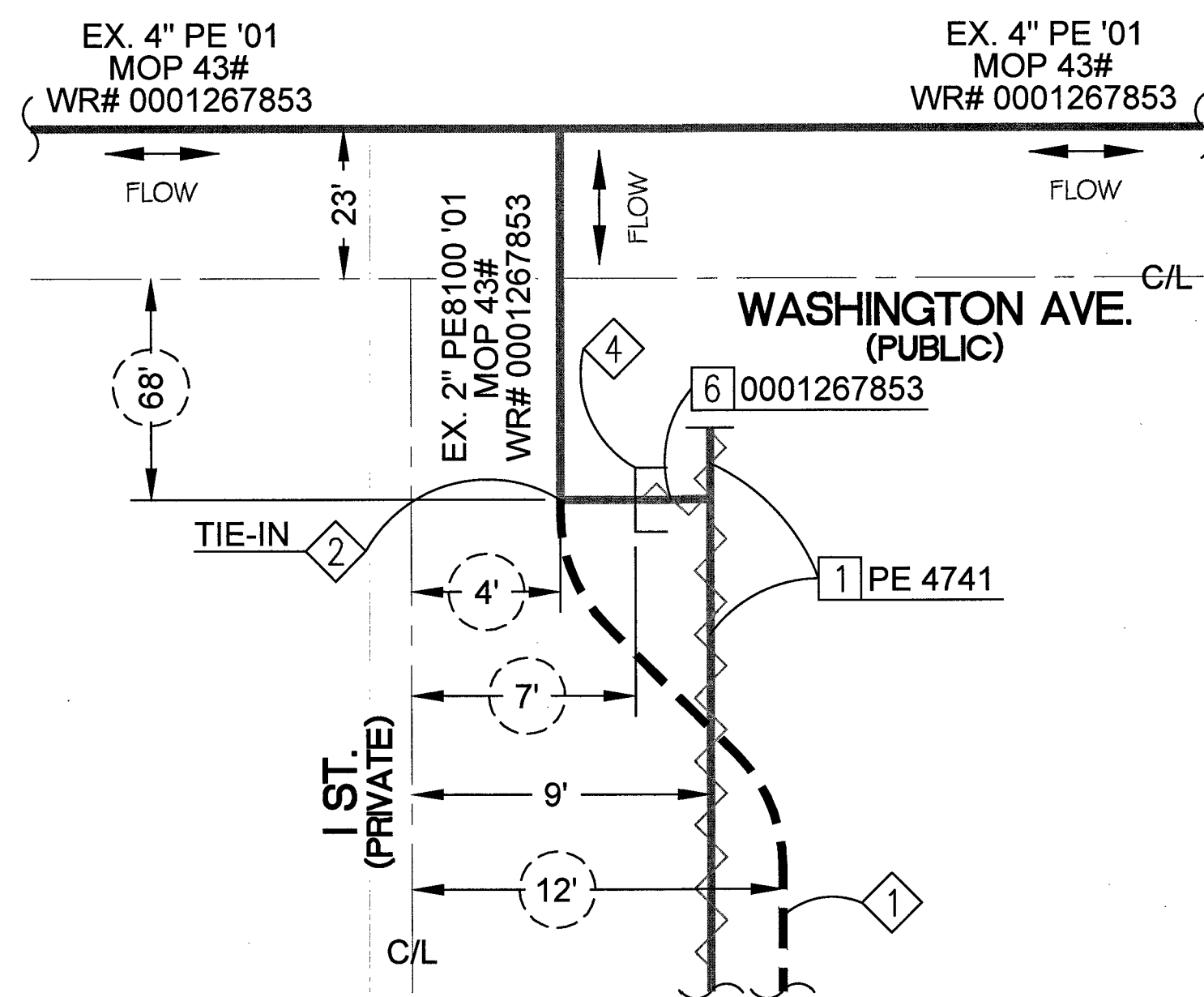
1. 2. 3. 4. NO. DESCRIPTION BY DATE APPVD. REVISIONS					SEE SHEET 2					AS-BUILT DRAWING-PRESSURE TEST DATA PIPE DIA. _____ TEST MEDIUM _____ TEST METHOD _____ PIPE LENGTH _____ GAUGE _____ PIPE TYPE _____ WATER GAUGE/ CHART _____ MIN. DURATION _____ SOAP PRESS REC SN# _____ TEST PRES. (PSIG) _____ START _____ END _____ TIME _____ DATE _____ PERFORMED BY _____					VISUAL INSPECTION CERTIFICATION I HAVE VISUALLY INSPECTED ALL HEATED FUSIONS, SOLVENT CEMENT, MECHANICAL JOINTS, AND WELDS THAT I HAVE PERFORMED NAME _____ DATE _____ FOREMAN _____ REVIEWED BY _____ SEE SHEET 2					CONSTRUCTION INSPECTOR _____ FOREMAN _____ REVIEWED BY _____ SEE SHEET 2					ISOLATION AREA ISO_21_DIST_092					W.R. NO. 3036598					ENGINEER/TECH: JACOB SAKAGUCHI PHONE: 702-365-2409 ACCOUNT REP: _____ PHONE: _____ PROJECT CONTACT: _____ PHONE: _____ SHEET NO: 7 OF 8 SCALE: 1" = 40' DATE: 02/03/2016 DWN. BY: SEI CHKD. BY: _____ APPVD. BY: _____					TITLE GIR 2016 - CLV - WASHINGTON & J STREET PART 2				
SOUTHWEST GAS CORPORATION					PROPERTY UNITS TAX CODES UNIT NO. UNIT TYPE INSTL. RETIRED INSTL. RETIRED PROPOSED COMPLETED					PERMIT INFORMATION CITY OF LAS VEGAS TAX CODE 02-0200 & 02-0203					LOCATION T20S R61E S 28 M.D.M.					ATLAS #/TILE # x624y520 x627y520																								



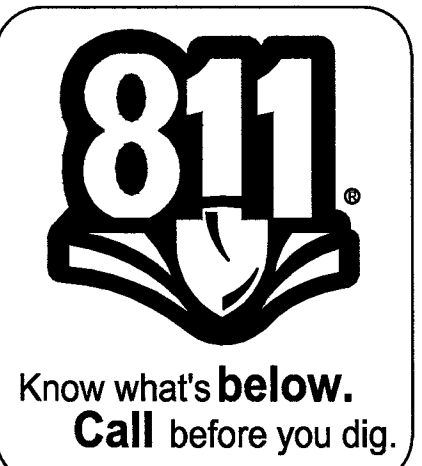
TIE-IN DETAIL
(SEE SHEET 4)
N.T.S.



TIE-IN DETAIL
(SEE SHEET 4)
N.T.S.



TIE-IN DETAIL
(SEE SHEET 5)
N.T.S.



REVISIONS NO. DESCRIPTION BY DATE APPVD.				PROPERTY UNITS TAX CODES UNIT NO. UNIT TYPE INSTL. RETIRED INSTL. RETIRED PROPOSED COMPLETED				AS-BUILT DRAWING-PRESSURE TEST DATA PIPE DIA. _____ TEST MEDIUM _____ TEST METHOD _____ PIPE LENGTH _____ GAUGE _____ PIPE TYPE _____ CHART _____ MIN. DURATION _____ GAUGE/PRESS REC SN# _____ TEST PRES. (PSIG) _____ START _____ END _____ TIME _____ DATE _____ PERFORMED BY _____				VISUAL INSPECTION CERTIFICATION I HAVE VISUALLY INSPECTED ALL HEATED FUSIONS, SOLVENT WELDING, MECHANICAL JOINTS, AND WELDS THAT I HAVE PERFORMED. NAME _____ DATE _____ INSPECTOR _____ FOREMAN _____ REVIEWED BY _____ AS-BUILTS ACCEPTED BY _____ DATE _____ POSTED BY _____ DATE _____ POSTING QC'D BY _____ DATE _____				CONSTRUCTION INSULATION AREA ISO_21_DIST_092 W.R. NO. 3036598 LOCATION T20S R61E S 28 M.D.M. ATLAS #/TILE # x624y520 x627y520 CITY OF LAS VEGAS TAX CODE 02-0200 & 02-0203				PERMIT INFORMATION ENGINEER/TECH: JACOB SAKAGUCHI ACCOUNT REP. _____ PROJECT CONTACT: _____ SHEET NO: 8 OF 8 SCALE: N.T.S. DATE: 02/03/2016 DWN. BY: SEI CHKD. BY: _____ APPVD. BY: _____ TITLE				GIR 2016 - CLV - WASHINGTON & J STREET PART 2			
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