

SOUTHWEST GAS CORPORATION

F-CLV-CARSON AND 8TH ALLEY PVC REPLACEMENT

CITY OF LAS VEGAS, NV

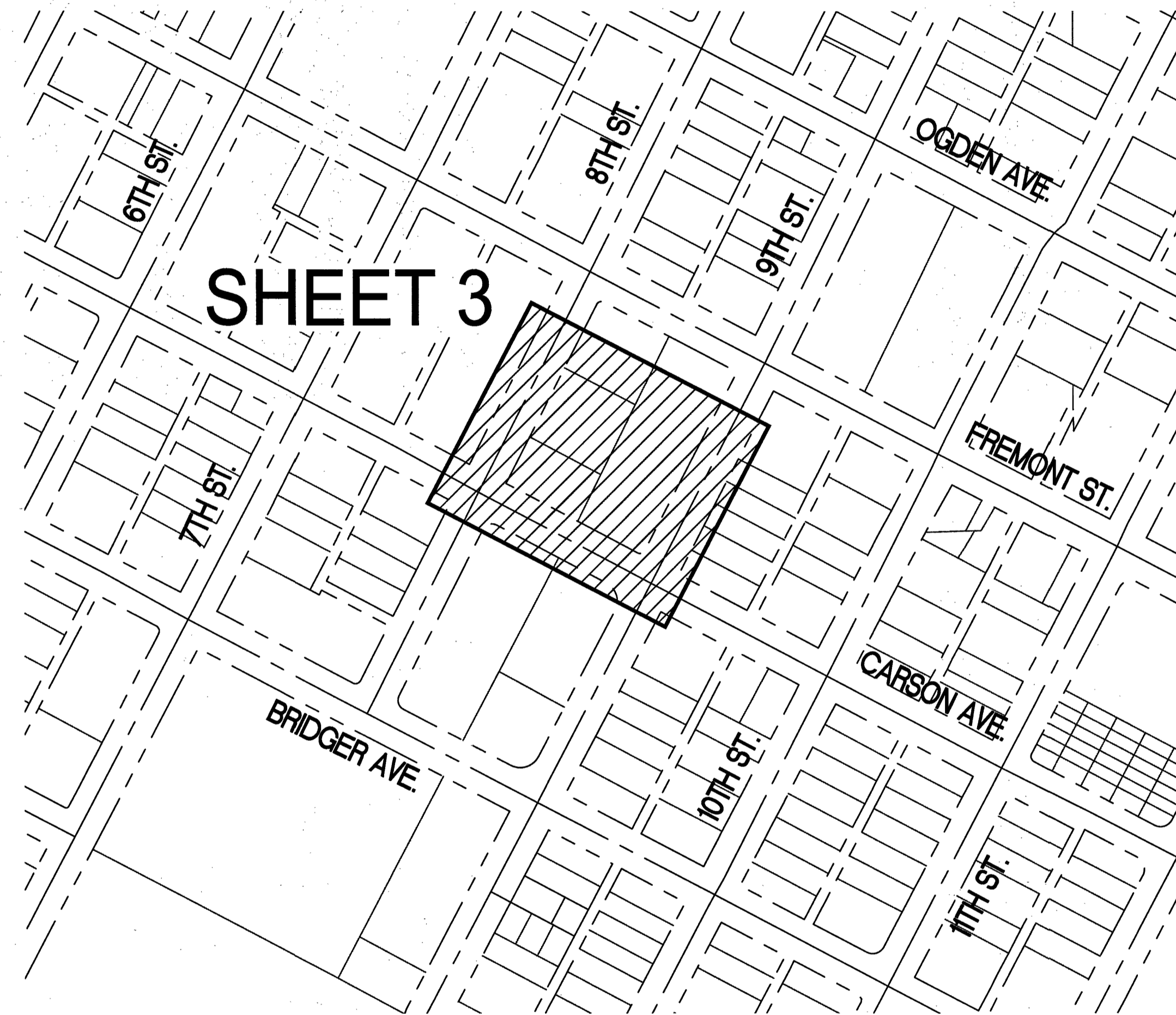
WR #3022730

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

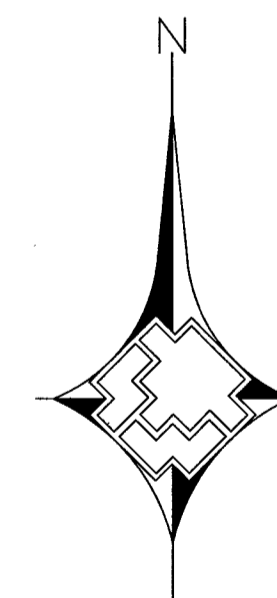
SHEET INDEX

1.	COVER SHEET
2.	MATERIALS & SIGNATURE SHEET
3.	DESIGN PLAN
4.	DETAIL SHEET



VICINITY MAP

NOT TO SCALE



City of
Las Vegas

Total footage located in Public ROW 5'

APPROVED FOR CONSTRUCTION
THIS APPROVAL IS FOR WORK IN CLV R/W OR CLV EASEMENTS ONLY. OBTAINING PERMISSION OR EASEMENTS FOR WORK SHOWN ON PRIVATE PROPERTY IS THE RESPONSIBILITY OF THE UTILITY.

Shawn Bette
Approval 1-31-18
Date



1. _____ 2. _____ 3. _____ 4. _____ NO. DESCRIPTION BY DATE APPVD.		REVISIONS		AS-BUILT DRAWING-PRESSURE TEST DATA TEST MEDIUM TEST METHOD <input type="checkbox"/> AIR <input type="checkbox"/> GAUGE <input type="checkbox"/> NITROGEN <input type="checkbox"/> CHART <input type="checkbox"/> WATER <input type="checkbox"/> GAUGE/ <input type="checkbox"/> SOAP PRESS REC SN#		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		CONSTRUCTION INSPECTOR _____ FOREMAN _____ REVIEWED BY SEE SHEET 2		ISOLATION AREA 293		W.R. NO. 3022730		ENGINEER/TECH: VICTOR CARDENAS ACCOUNT REP: _____ PROJECT CONTACT: _____ SHEET NO: 1 OF 4 DWN. BY: SEI		PHONE: 702-365-2022 PHONE: _____ PHONE: _____ DATE: 03/28/2016 APPVD. BY: _____	
SOUTHWEST GAS CORPORATION				TAX CODES UNIT NO. UNIT TYPE		INSTL. RETIRED INSTL. RETIRED PROPOSED COMPLETED PROPERTY UNITS		PERMIT INFORMATION CITY OF LAS VEGAS TAX CODE 02-0203		LOCATION T20S R61E S 34 M.D.M.		ATLAS #/TILE # x630y514 x630y516		TITLE F-CLV-CARSON AND 8TH ALLEY PVC REPLACEMENT L17-01530 107V1224-GAS			

DOC 3022730 L17-01530 12-28-17

PROPOSED FACILITIES:

	QTY.
1 PROPOSED 2" PE MAIN #100-5101	226'
2 PROPOSED 2" PE 90 DEGREE ELBOW #140-3067	2
3 PROPOSED 2" PE COUPLER #140-3504	2

ABANDONED FACILITIES:

	QTY.
1 ABANDON EX. 2" PE '98 MOP 43#	11'
2 ABANDON EX. 2" PVC '71 MOP 43#	10'
3 ABANDON EX. 2" PVC '63 MOP 43#	196'
4 ABANDON EX. 2" PE '89 MOP 43#	7'
5 ABANDON EX. 2" PE '97 MOP 43#	3'

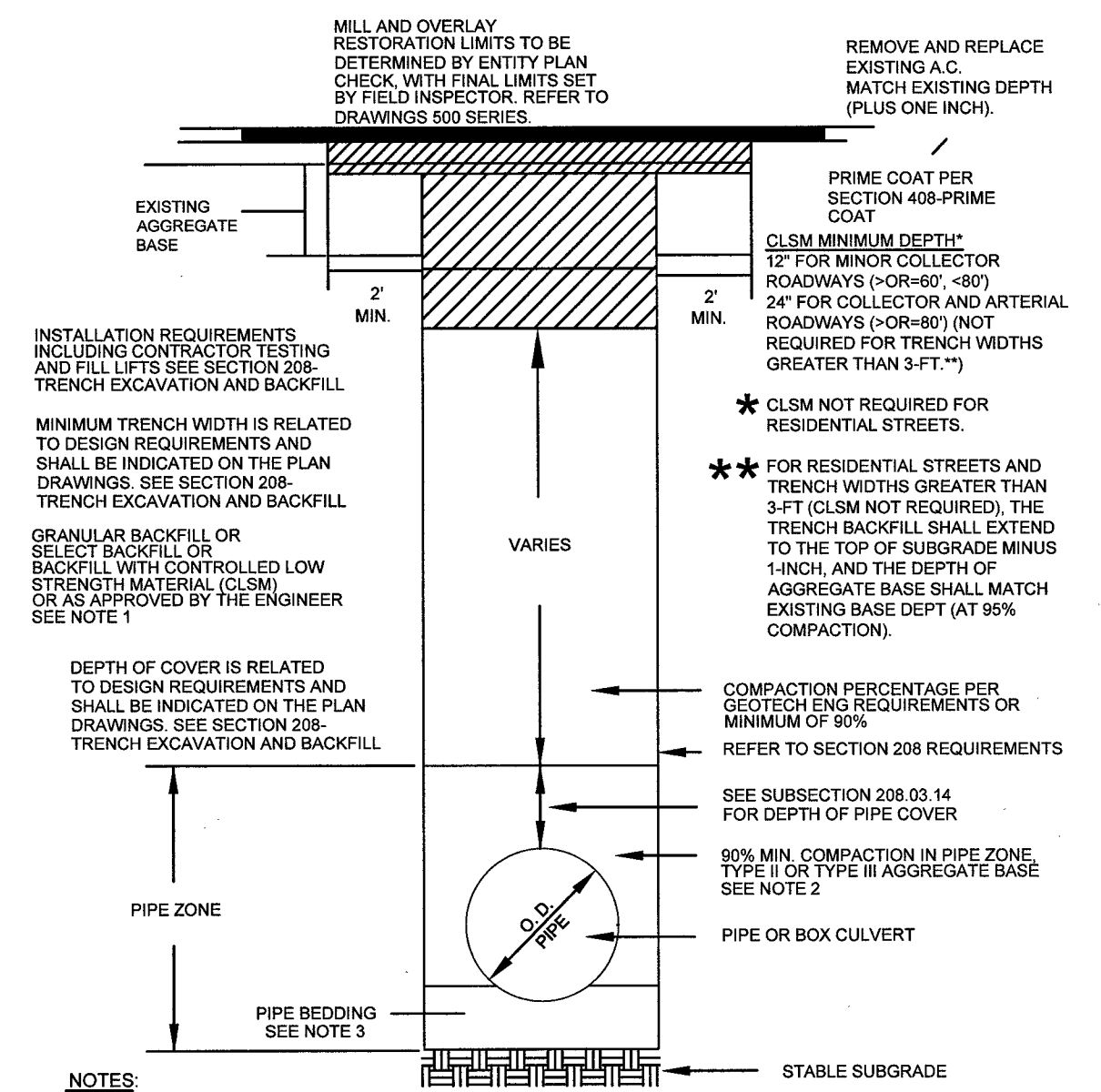
CONSTRUCTION NOTES:

- 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 HENDERSON PERMIT REQUIRED.
- ALL EXISTING UTILITY LOCATION 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.
- TRENCHING AND PAVEMENT REPLACEMENT SHALL CONFORM WITH RTC STANDARD 503.

RTC NOTES:

PAVEMENT REPAIR AND/OR BACKFILL SHALL CONFORM TO RTC:

503



- NOTES**
- NO STONES OR LUMPS GREATER THAN 3" PERMITTED IN TRENCH 2' OR LESS IN WIDTH.
 - TRENCH WIDTH, BEDDING, SUBGRADE AND PIPE ZONE REQUIREMENTS FOR UTILITY INSTALLATIONS SHALL CONFORM TO THE RESPECTIVE ENTITY REQUIREMENTS.
 - CRUSHED ROCK MAY BE USED FOR PIPE BEDDING ONLY IF MATERIAL USE 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

SYSTEM D_VALLEY_WIDE
 DR. NO. 21DS10017479
 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: _____



NO.	DESCRIPTION	BY	DATE	APPVD.	TAX CODES	UNIT NO.	UNIT TYPE	INSTL. PROPOSED	RETIRED	INSTL. COMPLETED	RETIRED
1.						3760102	2" PE	226'	21'		
2.						3760602	2" PVC	206'	206'		
3.						3800201	3/4" STL	18'	18'		
4.						3800101	1" PE	18'	18'		

AS-BUILT DRAWING-PRESSURE TEST DATA		VISUAL INSPECTION CERTIFICATION		CONSTRUCTION		ISOLATION AREA		W.R. NO.		ENGINEER/TECH: VICTOR CARDENAS	
PIPE DIA.	TEST MEDIUM	TEST METHOD	I HAVE VISUALLY INSPECTED ALL HEATED FUSIONS, SOLVENT CEMENT, MECHANICAL JOINTS, AND WELDS THAT I HAVE PERFORMED	INSPECTOR	293	3022730	ACCOUNT REP:	PHONE:	702-365-2022		
PIPE LENGTH	<input type="checkbox"/> AIR	<input type="checkbox"/> GAUGE	NAME _____ DATE _____	FOREMAN			PROJECT CONTACT:	PHONE:			
PIPE TYPE	<input type="checkbox"/> NITROGEN	<input type="checkbox"/> CHART		REVIEWED BY			SHEET NO: 2 OF 4	SCALE: N.T.S.	DATE: 03/28/2016		
MIN. DURATION	<input type="checkbox"/> WATER	GAUGE/ <input type="checkbox"/> SOAP PRESS REC SN#					DWN. BY: SEI	CHKD. BY:	APPVD. BY:		
TEST PRES. (PSIG)	START	END									
TIME											
DATE											
PERFORMED BY											

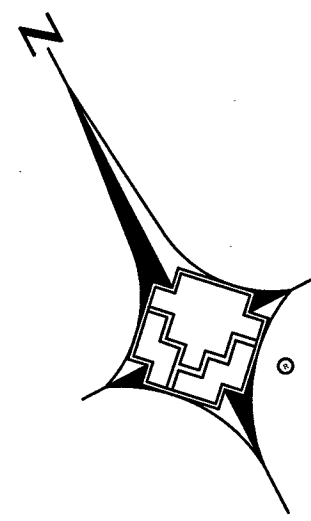
PERMIT INFORMATION		LOCATION		ATLAS #/TILE #	
CITY OF LAS VEGAS	T20S	x630y514			
TAX CODE 02-0203	R61E	x630y516			
	S 34				
	M.D.M.				

PROPERTY UNITS	
TAX CODES	UNIT NO.

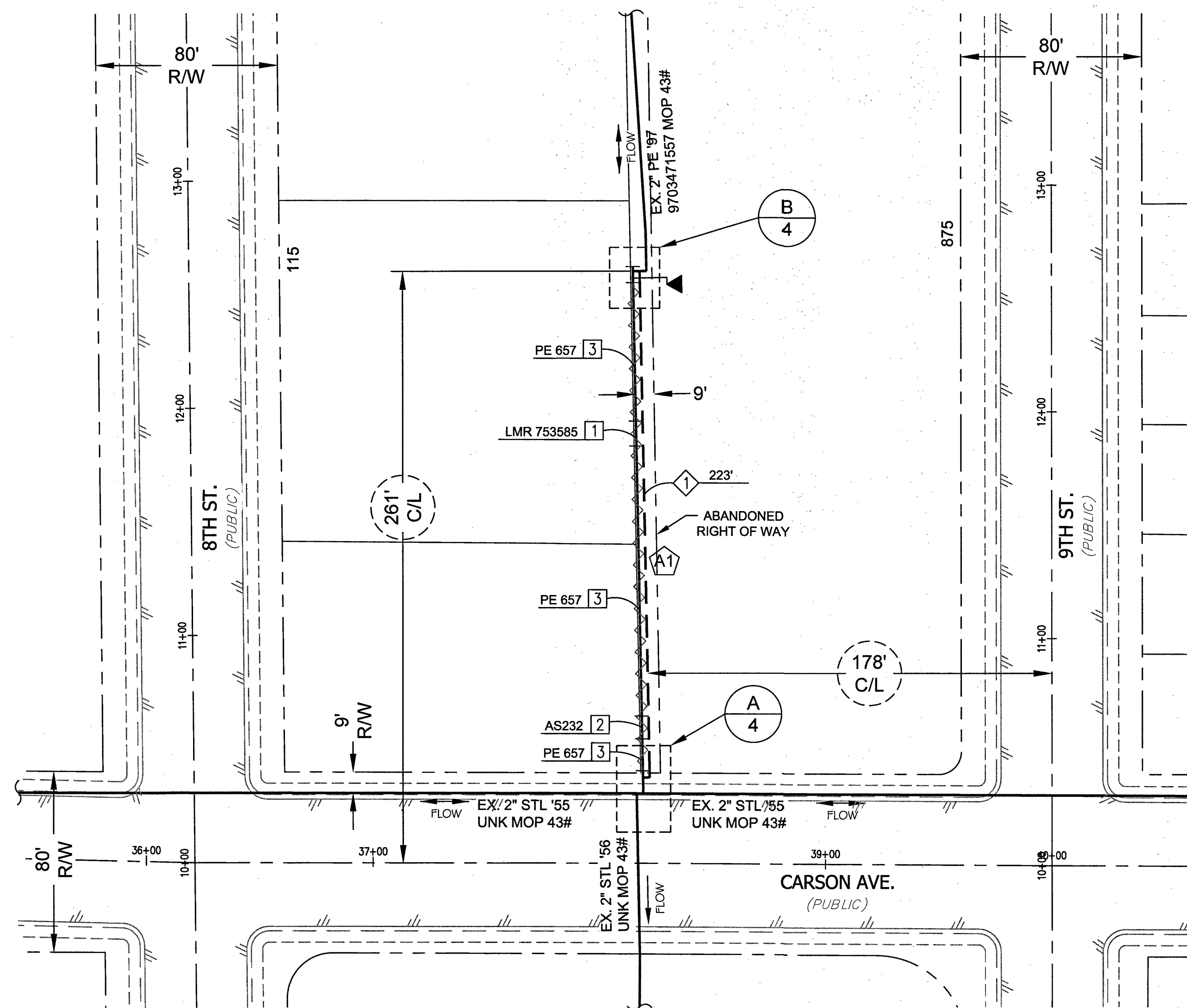
F-CLV-CARSON AND 8TH ALLEY PVC REPLACEMENT	
L17-01530	107V1224-6AS



DOC_3022730

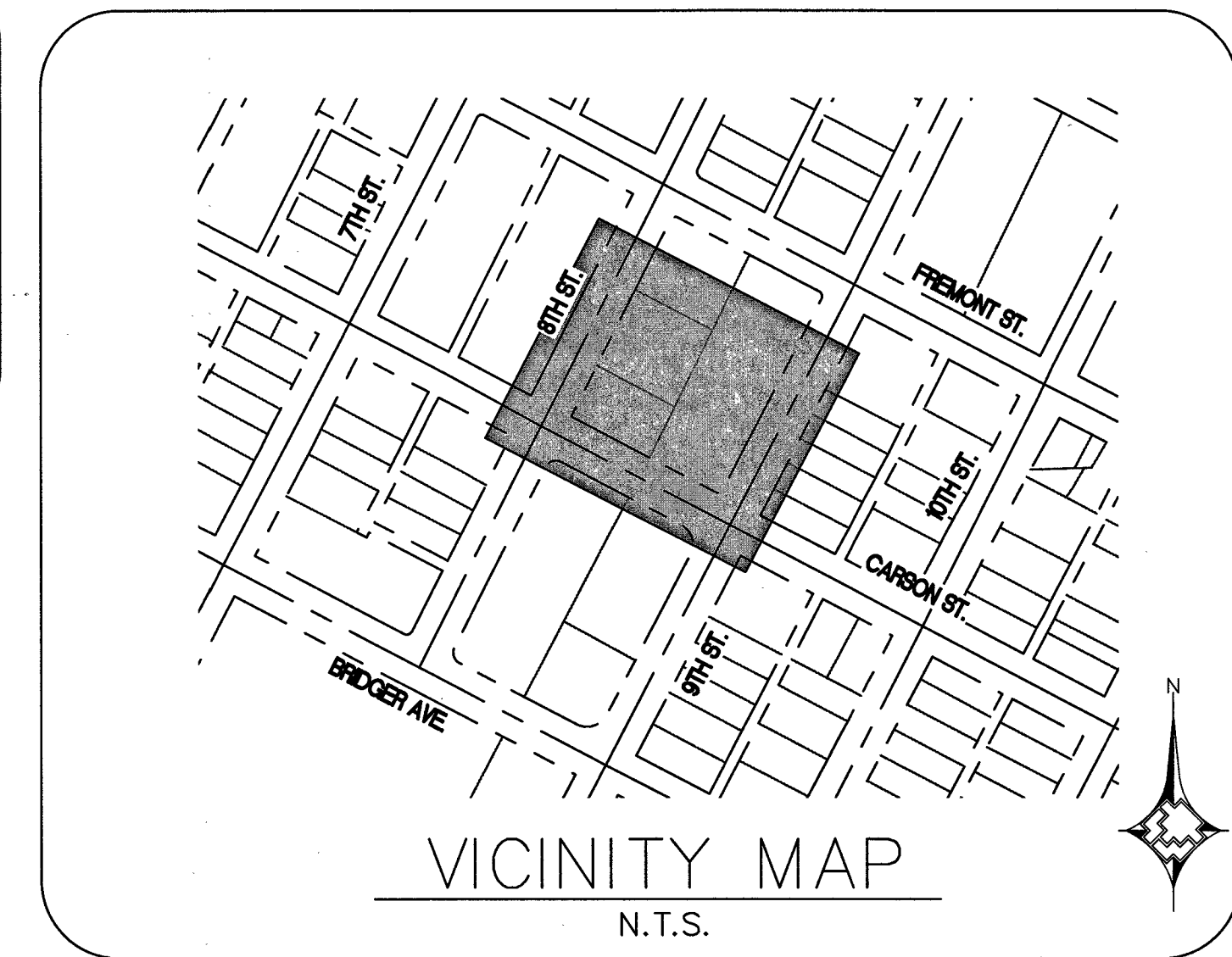
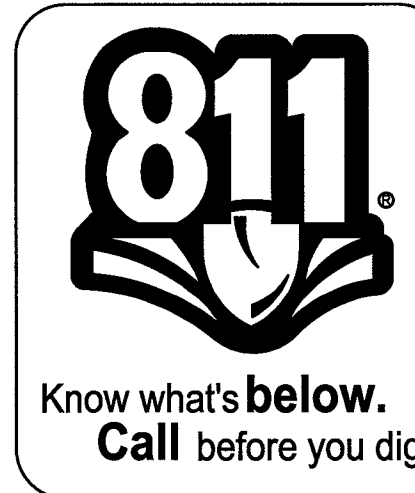


0 1" = 40' 40



CLV NOTE:

IF THE PROPOSED 2" GAS MAIN IS WITHIN 6' HORIZONTAL SEPARATION FROM EXISTING SANITARY SEWER, CONCRETE ENCASEMENT OF THE GAS MAIN IS REQUIRED.



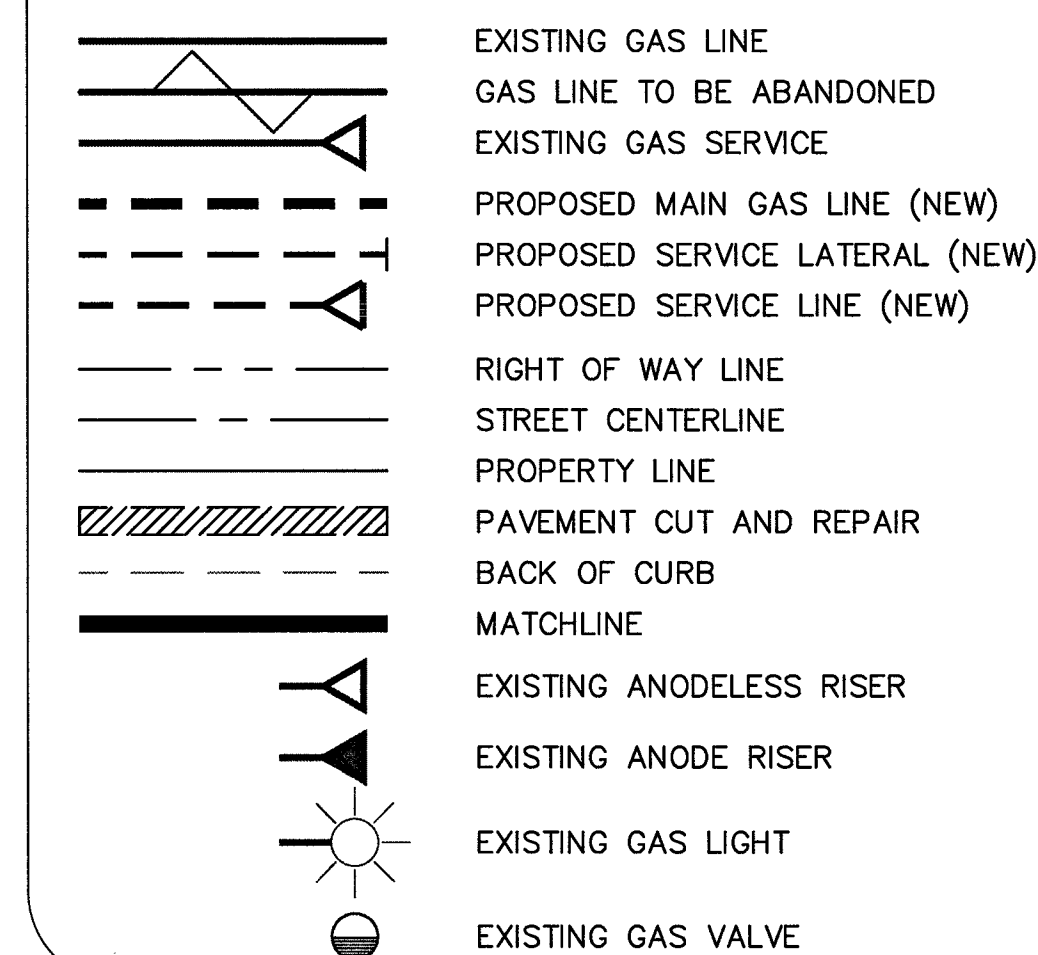
PROPOSED FACILITIES:

- ① PROPOSED 2" PE MAIN #100-5101
- ② PROPOSED 2" PE 90 DEGREE ELBOW #140-3067
- ③ PROPOSED 2" PE COUPLER #140-3504

ABANDONED FACILITIES:

- ① ABANDON EX. 2" PE '98 MOP 43#
- ② ABANDON EX. 2" PVC '71 MOP 43#
- ③ ABANDON EX. 2" PVC '63 MOP 43#

LEGEND:



RTC NOTES:

PAVEMENT REPAIR AND/OR BACKFILL SHALL CONFORM TO RTC:

Ⓐ 503

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

REVISIONS

TAX CODES	UNIT NO.	UNIT TYPE	INSTL. PROPOSED	RETIRED	INSTL. COMPLETED	RETIRED

PROPERTY UNITS

AS-BUILT DRAWING-PRESSURE TEST DATA

PIPE DIA.	PIPE LENGTH	PIPE TYPE	MIN. DURATION	TEST MEDIUM	TEST METHOD	START	END
				<input type="checkbox"/> AIR <input type="checkbox"/> NITROGEN <input type="checkbox"/> WATER <input type="checkbox"/> SOAP	<input type="checkbox"/> GAUGE <input type="checkbox"/> CHART <input type="checkbox"/> GAUGE/PRESS REC SN#		

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 _____

AS-BUILTS ACCEPTED BY _____ DATE _____

POSTED BY _____ DATE _____

POSTING QC'D BY _____ DATE _____

CONSTRUCTION

INSPECTOR _____

FOREMAN _____

REVIEWED BY _____

PERMIT INFORMATION

CITY OF LAS VEGAS

TAX CODE 02-0203

ISOLATION AREA	W.R. NO.
293	3022730

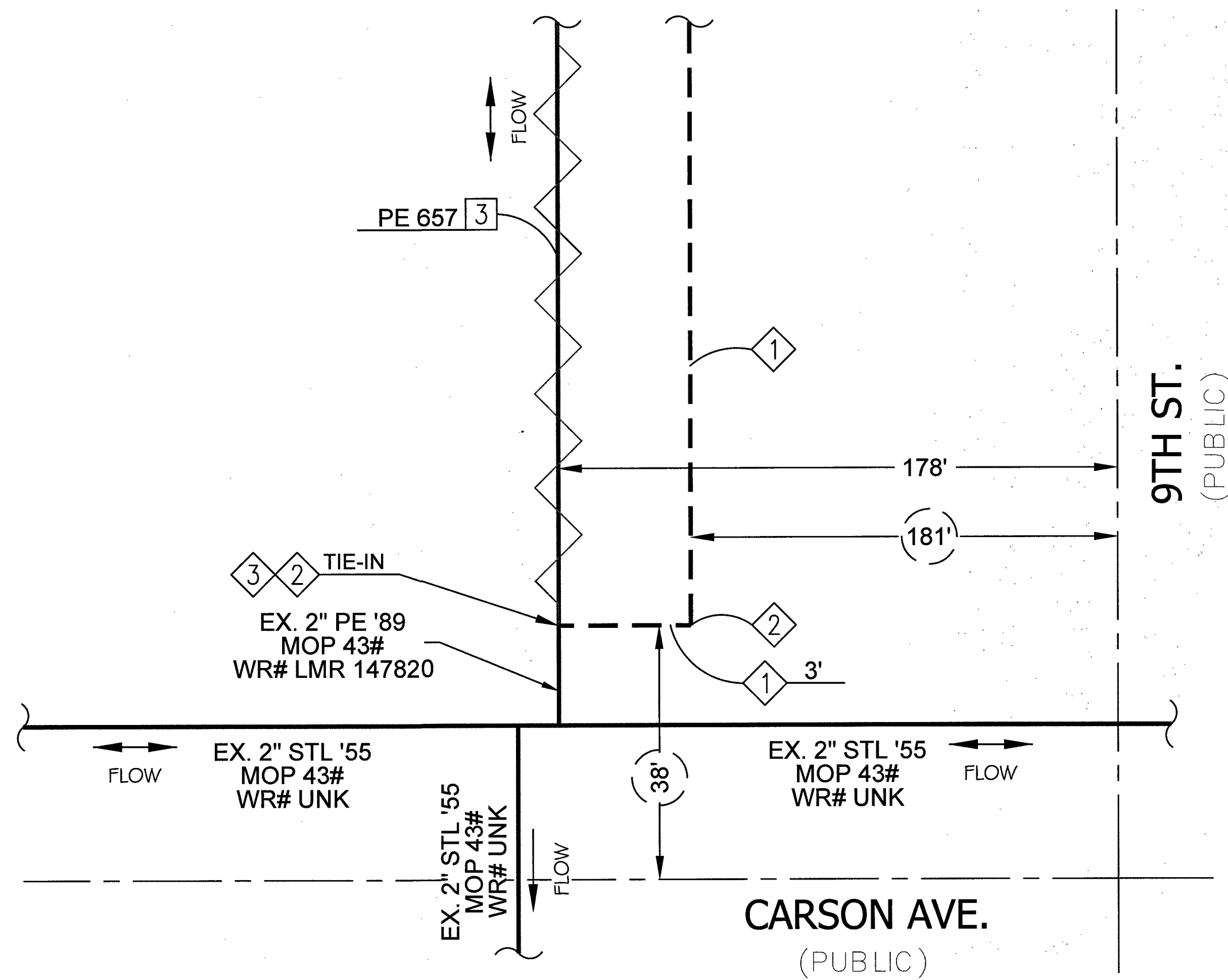
LOCATION	ATLAS #/TILE #
T20S R61E S 34 M.D.M.	x630y514 x630y516

ENGINEER/TECH: VICTOR CARDENAS	PHONE: 702-365-2022
ACCOUNT REP:	PHONE:
PROJECT CONTACT:	PHONE:
SHEET NO: 3 OF 4	SCALE: 1"=40'
DWN. BY: SEI	CHKD. BY:
DATE: 03/28/2016	APPVD. BY:

F-CLV-CARSON AND 8TH ALLEY PVC REPLACEMENT

L17-01530
10717224-GAS

DOC 3022730

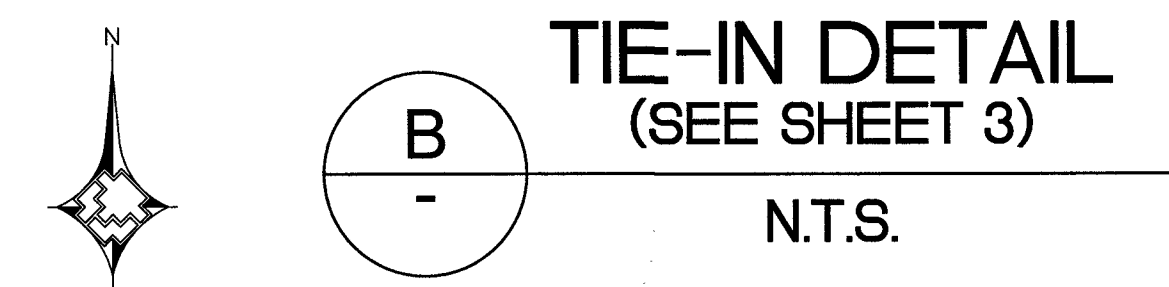
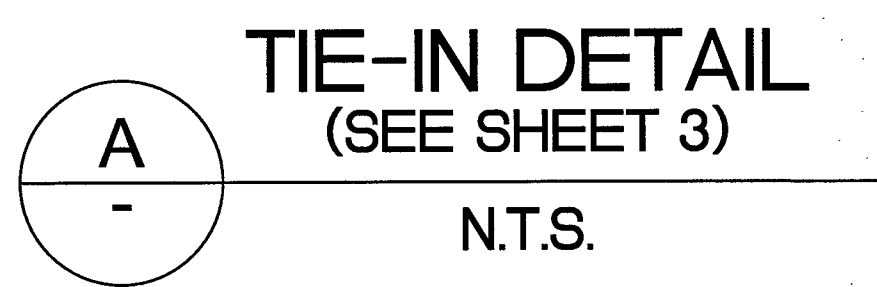
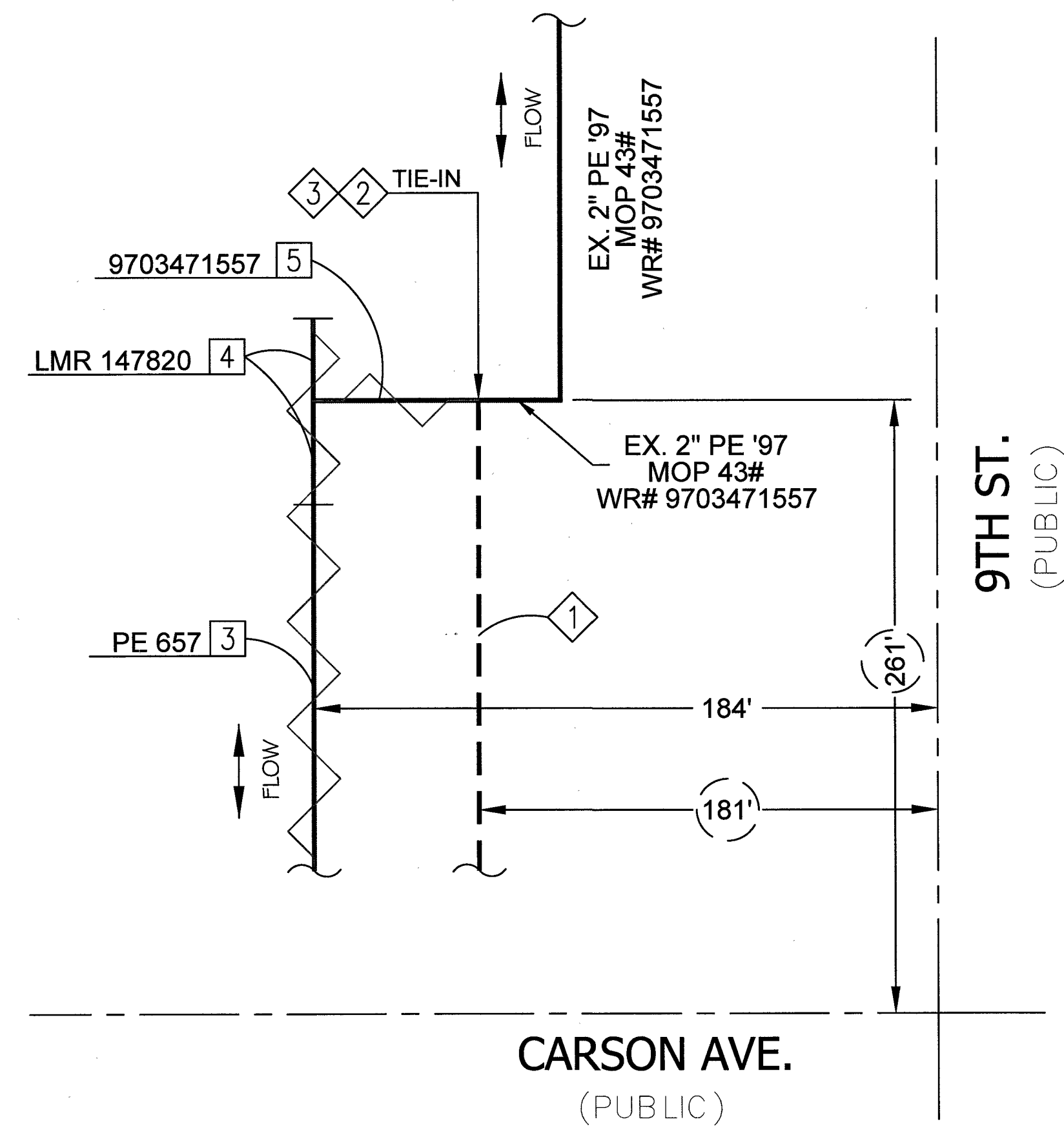


PROPOSED FACILITIES:

- ① PROPOSED 2" PE MAIN #100-5101
- ② PROPOSED 2" PE 90 DEGREE ELBOW #140-3067
- ③ PROPOSED 2" PE COUPLER #140-3504

ABANDONED FACILITIES:

- ③ ABANDON EX. 2" PVC '63 MOP 43#



NO.	DESCRIPTION	BY	DATE	APPVD.
REVISIONS				

TAX CODES	UNIT NO.	UNIT TYPE	INSTL. PROPOSED	RETIRED PROPOSED	INSTL. COMPLETED	RETIRED COMPLETED
PROPERTY UNITS						

TEST MEDIUM		TEST METHOD	
<input type="checkbox"/> AIR	<input type="checkbox"/> GAUGE	<input type="checkbox"/> CHART	
<input type="checkbox"/> NITROGEN	<input type="checkbox"/> CHART		
<input type="checkbox"/> WATER	<input type="checkbox"/> GAUGE/	<input type="checkbox"/> PRESS REC	<input type="checkbox"/> SN#
<input type="checkbox"/> SOAP			

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	

CONSTRUCTION	
INSPECTOR _____	DATE _____
FOREMAN _____	DATE _____
REVIEWED BY _____	DATE _____
SEE SHEET 2	

ISOLATION AREA	W.R. NO.
293	3022730
LOCATION	ATLAS #/TILE #
T20S R61E S 34 M.D.M.	x630y514 x630y516

PERMIT INFORMATION	
CITY OF LAS VEGAS	
TAX CODE 02-0203	

ENGINEER/TECH: VICTOR CARDENAS		PHONE: 702-365-2022
ACCOUNT REP:		PHONE:
PROJECT CONTACT:		PHONE:
SHEET NO: 4 OF 4	SCALE: N.T.S.	DATE: 03/28/16
DWN. BY: SEI	CHKD. BY:	APPVD. BY:

TITLE	
F-CLV-CARSON AND 8TH ALLEY PVC REPLACEMENT	