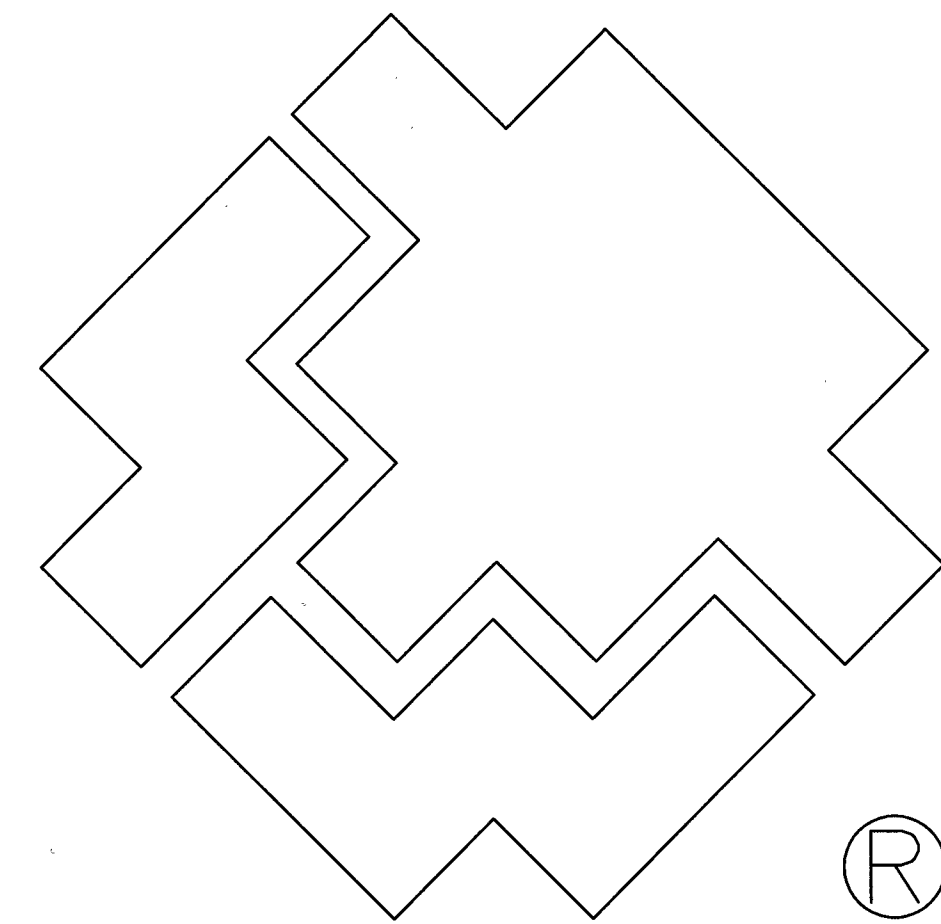




SOUTHWEST GAS CORPORATION

2" PE MAIN RELOCATION FOR CLV STORM DRAIN/ WASHBURN AND CONOUGH CLARK COUNTY/CITY OF LAS VEGAS, NV WR #3329651

City of
Las Vegas

Total footage located in Public ROW: 60'

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.

Approval 1/10/17 Date 5/1/17
10016805-617

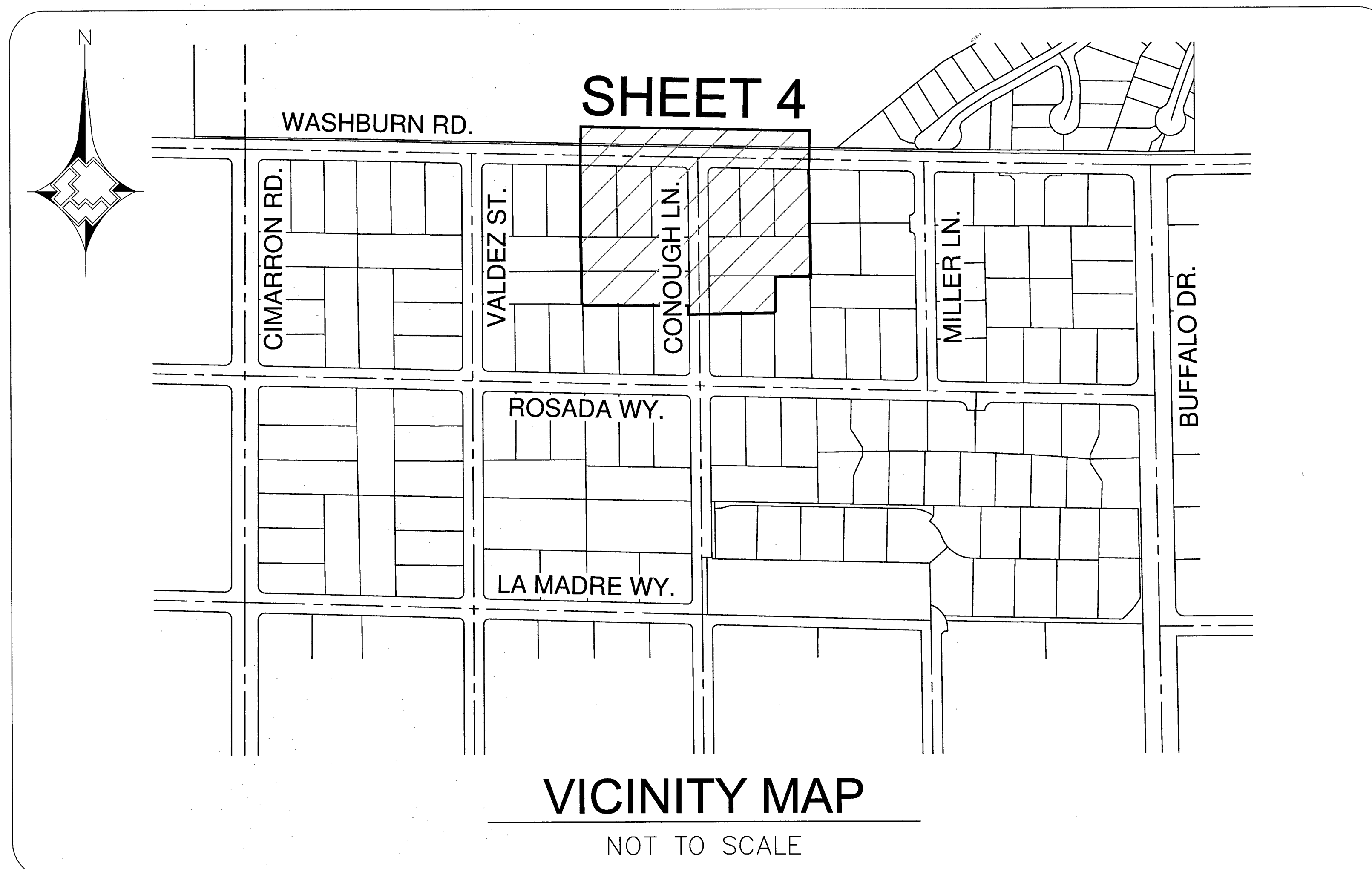
Clark County

Total footage located in Public ROW: 400'

CLARK COUNTY PUBLIC WORKS
DEVELOPMENT REVIEW
APPROVED FOR PERMITTING
NIGHT WORK - YES NO
ENCROACHMENT PERMIT # _____
BY _____ DATE _____



Know what's below.
Call before you dig.



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
	BACK OF CURB
	MATCHLINE
	EXISTING ANODELESS RISER
	EXISTING ANODE RISER
	EXISTING GAS LIGHT
	EXISTING GAS VALVE
	PROPOSED MAIN CALL OUT
	ABANDONED FACILITIES CALL OUT
	GAS DIMENSIONS
	EXCESS FLOW VALVE

SHEET INDEX

1. COVER SHEET
2. ABBREVIATIONS & NOTES
3. MATERIALS & SIGNATURES
4. DESIGN PLAN
5. DETAIL SHEET - A

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

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

CUSTOMERS 0

AS-BUILT DRAWING-PRESSURE TEST DATA	
TEST MEDIUM	TEST METHOD
PIPE DIA.	☐ AIR ☐ GAUGE
PIPE LENGTH	☐ NITROGEN ☐ CHART
PIPE TYPE	☐ WATER ☐ GAUGE/ SOAP PRESS REC SN#
MIN. DURATION	
TEST PRES. (PSIG): (MAX)	(MIN)
TIME: (START)	(STOP)
DATE: (START)	(STOP)
PERFORMED BY:	
SWG VERIFIED BY:	

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

CONSTRUCTION	
INSPECTOR	FOREMAN
REVIEWED BY	DATE
PERMIT INFORMATION	
CLARK COUNTY/CITY OF LAS VEGAS TAX CODE 02-0200, 02-0125	

ISOLATION AREA	W.R. NO.
ISO_21_DIST_297	3329651
LOCATION	ATLAS #/TILE #
SEC 33 T19S R60E	x591y548 x591y546
M.D.M.	

ENGINEER/TECH: KURK DORMAN	PHONE: 702-365-2327
ACCOUNT REP:	PHONE:
PROJECT CONTACT:	PHONE:
SHEET NO: 1 OF 5	SCALE: NTS
DWN. BY: SEI	CHKD. BY:
DATE: 02/07/2017	APPVD. BY:

2" PE MAIN RELOCATION FOR CLV STORM DRAIN/WASHBURN & CONOUGH COVER SHEET	
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4/19/17

70092



- RTC STD DWG 503



AB	ABANDONED
AC	ASPHALTIC CONCRETE
ACP	ASBESTOS CEMENT PIPE
AIM	AREA ISOLATION MODULE

BLVD	BOULEVARD
BM	BENCHMARK
BMI	BLACK MOUNTAIN INDUSTRIAL
BO	BLOW OFF
BTU	BRITISH THERMAL UNIT
BWC	BASIC WATER COMPANY
COBC	CITY OF BOULDER CITY
CC	CLARK COUNTY
CCAUSD	CLARK COUNTY AREA UNIFORM STANDARD DRAWING
CCRFCDD	CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT
CCWRD	CLARK COUNTY WATER RECLAMATION DISTRICT
CIP	CAST IRON PIPE
CL	CENTERLINE
CLV	CITY OF LAS VEGAS
CNLV	CITY OF NORTH LAS VEGAS
COH	CITY OF HENDERSON

DET	DETAIL
DI	DUCTILE IRON
DIA	DIAMETER
DIMP	DISTRIBUTION INTEGRITY MANAGEMENT PROGRAM
DNR	DOES NOT REGISTER
DWG	DRAWING

EG	EXISTING GROUND
EHDD	EFFECTIVE HEATING DEGREE DAY
ELEC	ELECTRICAL
ELEV	ELEVATION
EMRS	ELECTRONIC MAPPING RECORDS SYSTEM
EPR	ELECTRONIC PRESSURE RECORDERS
ESMT	EASEMENT
EX	EXISTING

FERC FEDERAL ENERGY REGULATORY COMMISSION
FOS FACILITY OUT OF SERVICE
FH FIRE HYDRANT

GIR	GAS INFRASTRUCTRE REPLACEMENT
GPR	GAS PRESSURE REGULATOR

HCA	HIGH CONSEQUENCE AREA
HDD	HEATING DEGREE DAY
HDPE	HIGH DENSITY POLYETHYLENE PIPE
HP	HIGH PRESSURE
HERS	HOME ENERGY RATING SYSTEM
HOP	HISTORIC OPERATING PROCEDURE
HVTT	HIGH VOLUME TAPPING TEE

ID	INSIDE DIAMETER
IN	INCH(ES)
IPS	IRON PIPE SIZE
IS	IDENTIFIED SITE

.JOINT TRENCH

KRG KERN RIVER GAS COMPANY

LDCPE LARGE DIAMETER COILED POLYETHYLENE PIPE
LVVWD LAS VEGAS VALLEY WATER DISTRICT

MAOP	MAXIMUM ALLOWABLE OPERATING PRESSURE
MCFH	THOUSAND CUBIC FEET PER HOUR
MH	MANHOLE
MOP	MAXIMUM OPERATING PRESSURE
MSA	METER SET ASSEMBLY
MVP	MAPPING VERIFICATION PROCEDURE

NAP	NOT A PART
NDOT	NEVADA DEPARTMENT OF TRANSPORTATION
NTSB	NATIONAL TRANSPORTATION SAFETY BOARD
NTS	NOT TO SCALE

OC	ON CENTER
OD	OUTSIDE DIAMETER
OH	OVERHEAD
OHP	OVERHEAD POWER

P	POWER
PAOP	POTENTIAL ALLOWABLE OPERATING PRESSURE
PCC	POTLAND CEMENT CONCRETE
PE	POLYETHYLENE PIPE
PH	POT HOLE
PHMSA	PIPELINE & HAZARDOUS MATERIALS SAFETY ADMINISTRATION
PL	PROPERTY LINE
PIC	POTENTIAL IMPACT CIRCLE
PLS	PRESSURE LIMITING STATION
PP	POWER POLE
PQF	PREQUALIFIED FITTING
PVC	POLYVINYL CHLORIDE

RAM	RISK ASSESSMENT MODEL
RC	REINFORCED CONCRETE
RCP	REINFORCED CONCRETE PIPE

SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SDR	STANDARD DIMENSION RATIO
SF	SQUARE FOOT
SHT	SHEET
SHP	STEEL HIGH PRESSURE PIPE
SMYS	SPECIFIED MAXIMUM YIELD STRENGTH
SNWA	SOUTHERN NEVADA WATER AUTHORITY
SS	SANITARY SEWER
SST	STAINLESS STEEL
ST	STREET
STA	STATION
STD	STRENGTH TEST DRAWING
STL	STEEL
SWG	SOUTHWEST GAS

TEL	TELEPHONE
TB	THRUST BLOCK
TOP	TOP OF PIPE
TP	TEST POINT
TRIMP	TRANSMISSION INTEGRITY MANAGEMENT PROGRAM

UDACS UNIFORM DESIGN AND CONSTRUCTION STANDARDS

UOC	UNUSUAL OPERATING CONDITIONS
UOP	UNIT OF PROPERTY
UPRR	UNION PACIFIC RAILROAD
USD	UNIFORM STANDARD DRAWING

VCP	VITRIFIED CLAY PIPE
VERT	VERTICAL
VG	VALLEY GUTTER
VSP	VINTAGE STEEL PIPE

W	WATER
WMS	WORK MANAGEMENT SYSTEM
WR	WORK REQUEST
WT	WALL THICKNESS
WV	WATER VALVE

YD YARD(S)

1. SUGGESTED GAS LOCATIONS ARE TO CLEAR SUBSTRUCTURES LOCATED IN FIELD.
2. ALL PIPELINE CONSTRUCTION SHALL CONFORM TO APPLICABLE JURISDICTION SPECIFICATIONS.
3. DO NOT SCALE THIS DRAWING.
4. SEE AC'S FOR SERVICE REPLACEMENT.
5. CHANGE IN PROPOSED MAIN LOCATION MUST BE AUTHORIZED BY SWG ENGINEER PRIOR TO INSTALLATION.
6. GAS MAINS SHALL BE PURGED PER OPERATIONS MANUAL.
7. ABANDONED SERVICE NO ACTION REQUIRED.
8. REPLACE ALL ACTIVE SERVICES INCLUDING AA, PVC, M7000 PE, M8000 PE, EXCEPT WHERE EXISTING M8100 PE SERVICES ARE VERIFIED, INSPECTED, AND APPROVED FOR TIE-OVER BY SWG INSPECTOR.
9. EXISTING SERVICES, VERIFICATION, AND INSPECTION REQUIRED FROM MAIN TO RISER. TIE INTO NEW MAIN IF APPROVED BY SWG INSPECTOR. REPLACE ALL AA, PVC, M7000 PE, AND M8000 PE SERVICES. M8100 PE SERVICES TO BE VERIFIED, INSPECTED AND APPROVED BY SWG INSPECTOR.
10. EXISTING SERVICE, UNKNOWN TYPE, SIZE, AND LOCATION TO BE VERIFIED.
11. REPLACEMENT SERVICES TO BE SINGLE OR BRANCHED. NO CROSS-LOT REPLACEMENT SERVICES PERMITTED.
12. REPLACE ALL ANODE RISERS WITH ANODELESS RISERS.
13. ALL EXISTING UTILITY LOCATION TO BE VERIFIED PRIOR TO START OF CONSTRUCTION.
14. CONTACT ENGINEERING FOR BYPASS INFORMATION.
15. ALL SHORING REQUIREMENTS SHALL CONFORM TO APPLICABLE PORTIONS OF THE OPERATIONS MANUAL.
16. REQUEST FOR SURVEYING AND/OR STAKING WILL BE SUBMITTED TO ENGINEERING 72 HOURS IN ADVANCE, MINIMUM.
17. TRENCHING AND PAVEMENT REPLACEMENT SHALL CONFORM WITH RTC STANDARD 500.4 & 500.5. AND UNIFORM STANDARD SPEC SECTION 208.
18. ALL PROPOSED DISTRIBUTION SERVICE TIE - OVERS SHALL BE 1" PE WITH EFV's SIZED PER THE AC LIST.
19. SOUTHWEST GAS AND ITS CONTRACTORS WILL USE A COMBINATION OF STORMWATER BMPS INCLUDING, BUT NOT LIMITED TO, RICE STRAW WATTLES, SILT SOFTENER BAGS, AND CURB INLET FILTERS TO BE INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS.

PAVEMENT REPAIR SHALL CONFORM TO RTC:

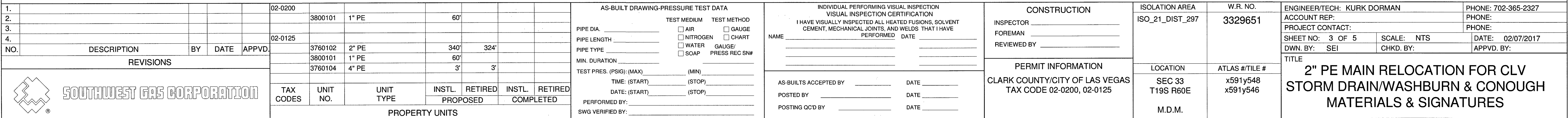
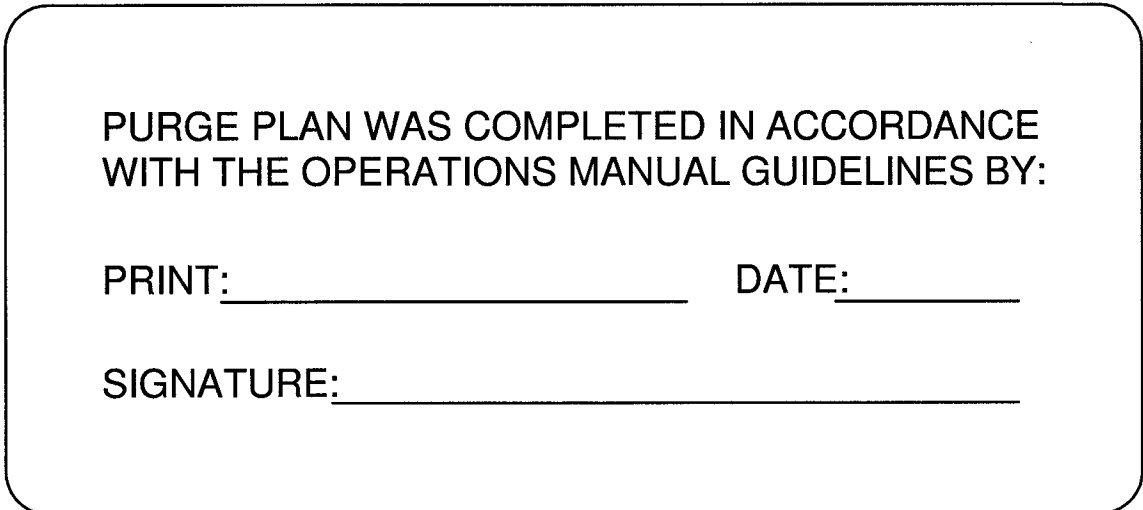
A1 500.4

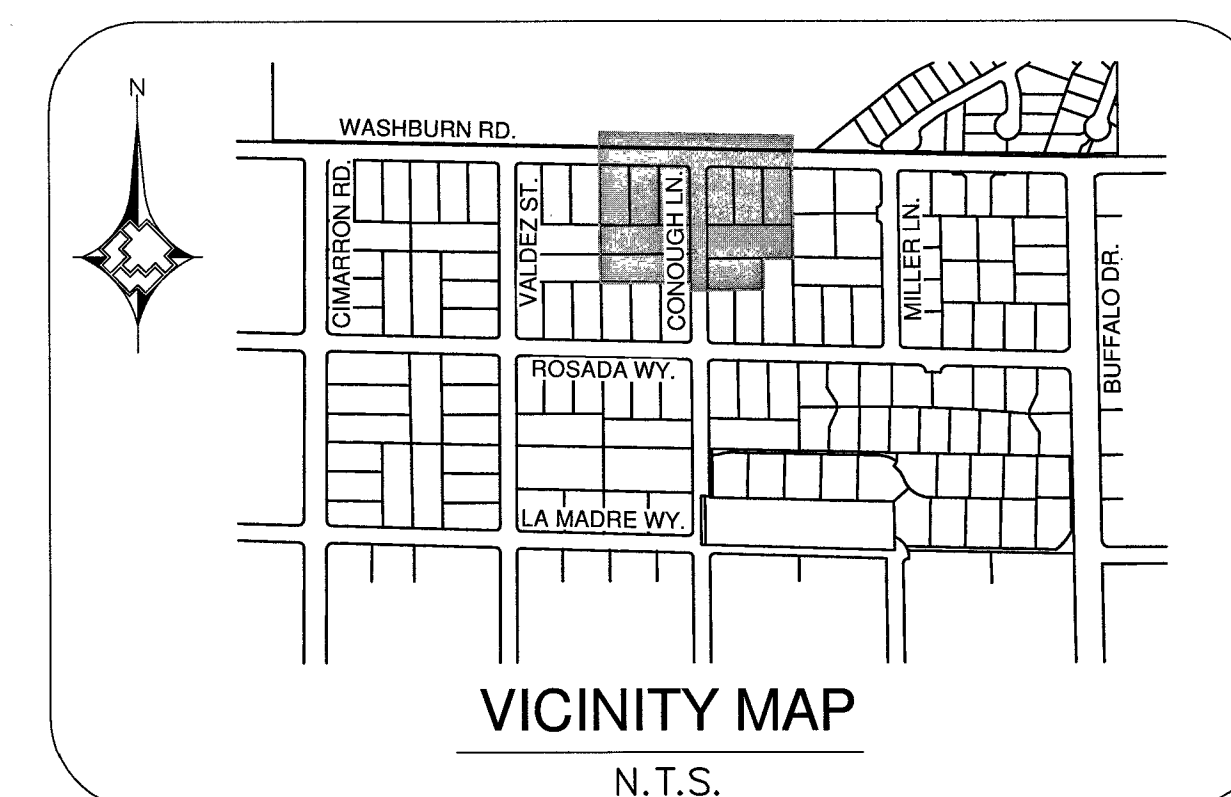
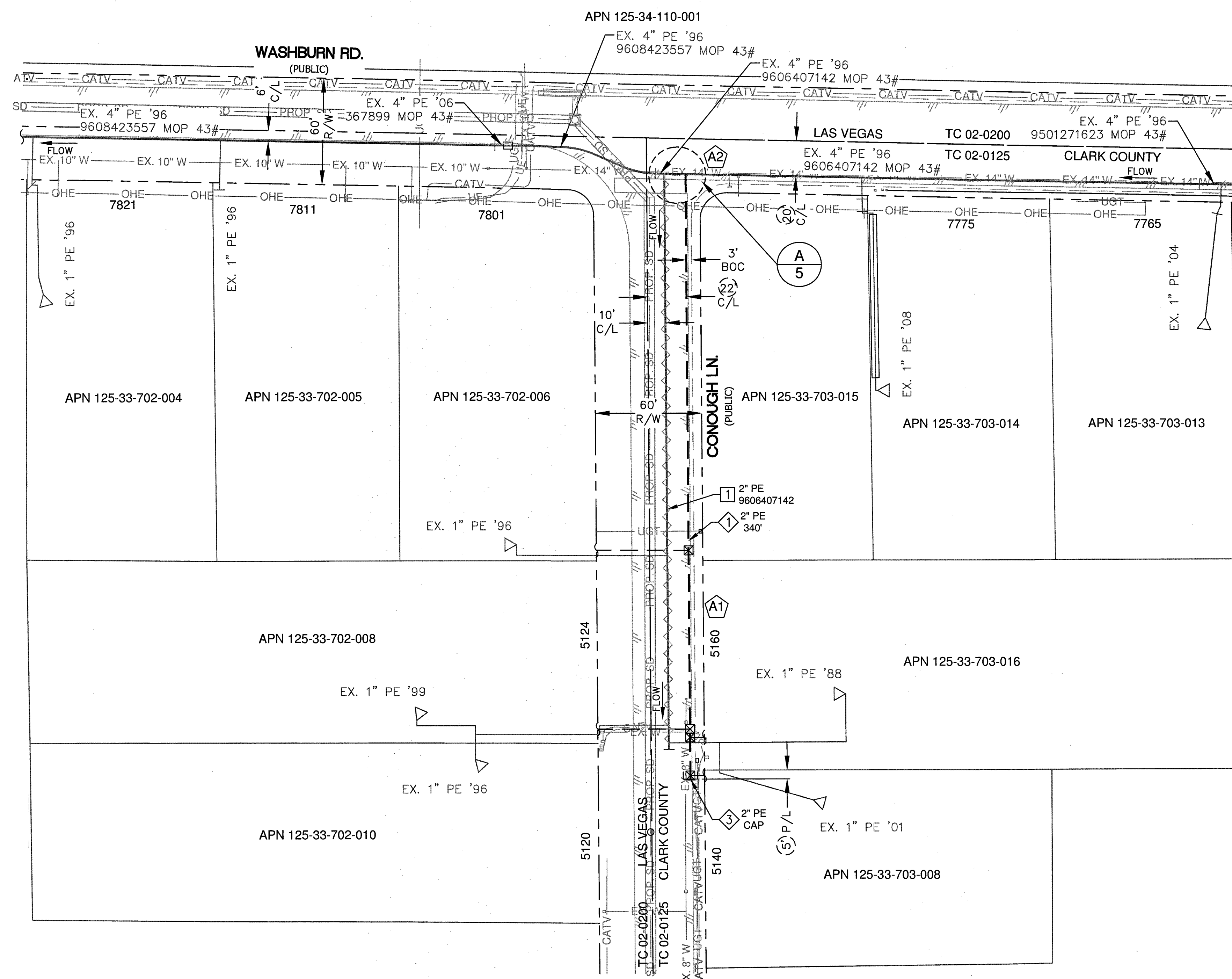
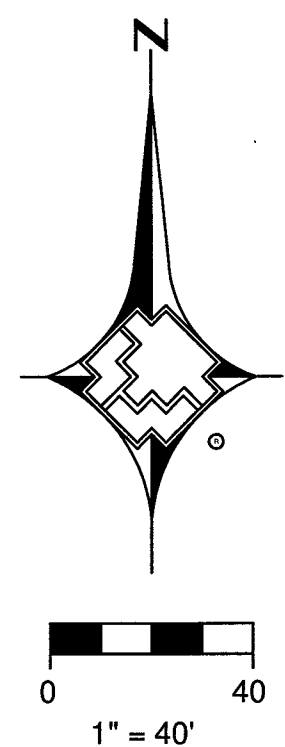
A2 500.5

[illegible]

PROPOSED ABANDONED FACILITIES				
ITEM#	QTY. (DESIGN)	QTY. (AS-BUILT)	STOCK ID#	DESCRIPTION
1	324'		3760102	ABANDON EX. 2" PE '96 MOP 43#
2	3'		3760104	ABANDON EX. 4" PE '96 MOP 43#

SYSTEM	D_VALLEY_WIDE
DR. NO.	21DR10002640
SEGMENT M.A.O.P.	N/A
SYSTEM M.A.O.P.	43 PSIG
SYSTEM M.O.P.	43 PSIG





MATERIAL LIST FOR PROPOSED DISTRIBUTION FACILITIES		
ITEM#	STOCK ID#	DESCRIPTION
1	100-5101	2" PE MAIN
3	140-3060	2" PE CAP

NOTE:

ALL PROPOSED DISTRIBUTION SERVICE
TIE-OVERS SHALL BE 1' PE WITH EFV's SIZED
PER THE AC LIST.

PROPOSED ABANDONED FACILITIES		
ITEM#	STOCK ID#	DESCRIPTION
1	3760102	ABANDON EX. 2" PE '96 MOP 43#

[illegible]

