

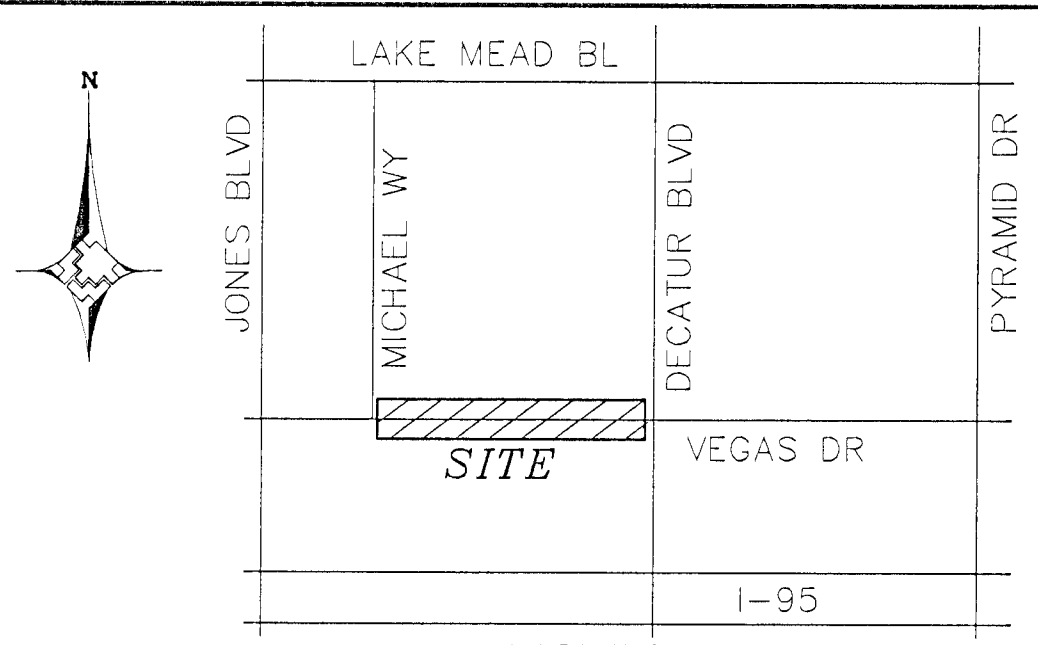
SOUTHWEST GAS CORPORATION

F-CLV-VEGAS DRIVE STORM DRAIN

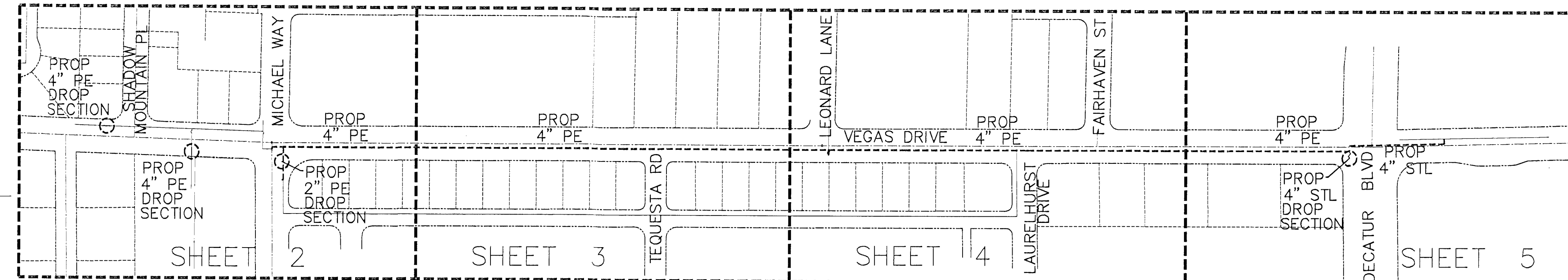
4" DIST. STEEL REPLACEMENT

CITY OF LAS VEGAS, NV

WR# 1414593



- CONSTRUCTION NOTES:**
- SUGGESTED GAS LOCATIONS ARE TO CLEAR SUBSTRUCTURES. LOCATE IN FIELD
 - ALL PIPELINE CONSTRUCTION SHALL CONFORM TO APPLICABLE JURISDICTION SPECIFICATIONS.
 - GAS MAINS SHALL BE PURGED PER OPERATIONS MANUAL.
 - DO NOT SCALE THIS DRAWING.
 - ANY CHANGES IN THE MAIN LOCATION MUST BE AUTHORIZED BY SWG ENGINEER.
 - BACKFILL AND PAVEMENT RESTORATION TO COMPLY WITH RTC STANDARD 503.
 - CONTACT ENGINEERING FOR BYPASS INFORMATION.
 - ALL MAIN TIE-INS REQUIRING TEES ARE TO BE FULL-FLOW TEES UNLESS OTHERWISE STATED.
 - REQUEST FOR SURVEYING AND STAKING SHALL BE SUBMITTED TO ENGINEERING 72 HOURS IN ADVANCE, MINIMUM.
 - SEE AC'S FOR SERVICE REPLACEMENT
 - REPLACE ALL ACTIVE SERVICES EXCEPT WHERE CASTING PE SERVICES ARE VERIFIED, INSPECTED AND APPROVED FOR TIE-OVER BY SWG INSPECTOR.
 - REPLACEMENT SERVICES TO BE SINGLE OR BRANCHED. NO CROSS-LOT REPLACEMENT SVCS PERMITTED.
 - REPLACE ALL ANODE RISERS WITH ANODE LESS RISERS.
 - ABANDONED SERVICE NO ACTION REQUIRED.
 - CITY OF LAS VEGAS PERMIT REQUIRED.
 - 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.
 - THIS WR INSTALL THE FOLLOWING VALVE(S): 4" BALL VALVE #1104719 INISP #1447276
 - THIS WR ABANDON THE FOLLOWING VALVE(S): 4" VALVE #1103161

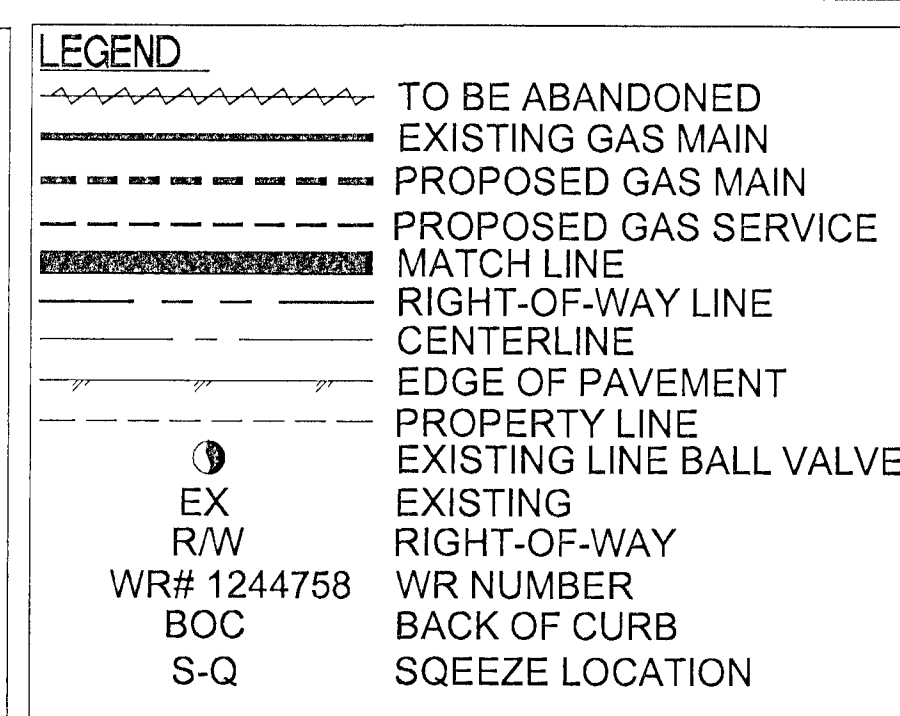


LOCATION MAP

NOT TO SCALE

- CATHODIC PROTECTION NOTES:**
- CONTACT CP DEPARTMENT AT 365-2010 48 HOURS PRIOR TO WORK.
 - THE WR AFFECTS THE FOLLOWING CP AREAS:
CP I.D. #R-9 1-B WMIS I.D. # 21DCP0021138
 - VEGAS DRIVE AND DECATUR BOULEVARD INSTALL (2) 32 LB MAGNESIUM ANODES (DETAIL "H") SEE SHEET 9 OF 9 AND INSTALL 5-TERM CP LOCATE TEST STATION (DETAIL "I") SEE SHEET 9 OF 9.

- PAVEMENT NOTES:**
- TEMPORARY HOT PATCH TO BE USED THE WIDTH OF THE TRENCH.
 - PERMANENT PAVEMENT REPAIR IN VEGAS DRIVE TO BE COMPLETED BY CITY OF LAS VEGAS PER THE VEGAS DRIVE IMPROVEMENT PROJECT.
 - TEMPORARY HOT PATCH TO BE MAINTAINED BY SWG UNTIL PERMANENT PAVING IS COMPLETE.
 - BACKFILL TO COMPLY WITH RTC STANDARD 503 WITH TYPE II OR SLURRY USED AS BACKFILL; NOT CRUSHED ROCK.



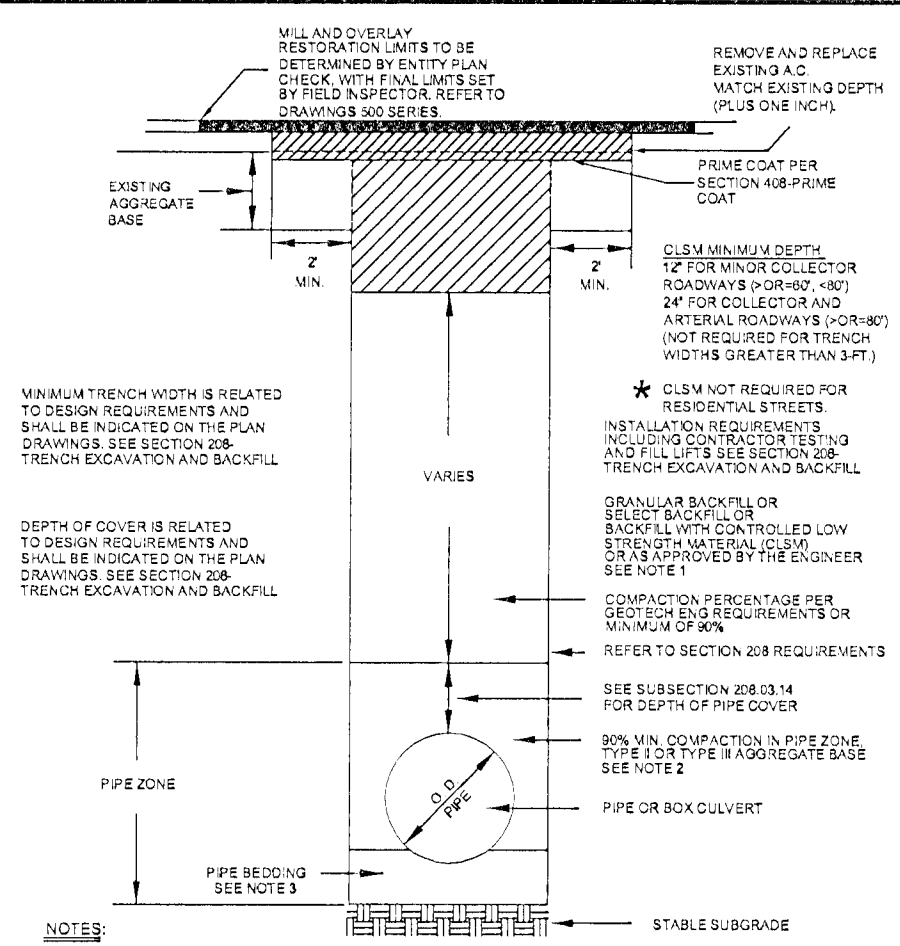
MATERIAL LIST

ITEM#	QTY.	STOCK ID#	DESCRIPTION
①	333'	100-1023	PIPE, 4" STL, X-52, COATED, 0.188 WT
②	3	160-8030	TEE, 3-WAY, 4" STL WELD O-RING/TEE, 275 PSIG
③	1	160-8163	TRANSITION 4" FITTING, STEEL / PE, NMDA
④	2	140-5375	TEE, 4" STL WELD, 0.237 WT, GRADE B
⑤	7	140-4057	ELBOW STL WELD 4" 90 DEG LR STD WT
⑥	1	120-4145	VALVE, BALL 4" STL WELD ENDS ANSI 150 W/ REDUCED BORE
⑦	1	142-6079	VALVE BOX, 5-1/4" EXT 52"-72"
⑧	1	142-6097	RIM FULL FLANGE
⑨	1	142-6098	VALVE BOX, LOCKING LID, "GAS", 5-1/4"
⑩	3	140-3031	CAP, STL WELD, 4" OD, 0.237 WT, Y-52
⑪	3	160-6852	EQUALIZATION FITTING 2"x3" MAOP 1440 PSI
⑫	1	251-2406	5-TERM CP TEST STATION
⑬	2	251-2300	32 LB MAGNESIUM ANODE
⑭			
⑮			

Call before you Dig
Avoid cutting underground utility lines. It's costly.

Call 811

OR
1-800-227-2600
AND
CLARK COUNTY TRAFFIC OPERATIONS
1-702-455-7544



- NOTES:**
- NO STONES OR LUMPS GREATER THAN 1/2" PERMITTED IN TRENCH 2' OR LESS IN WIDTH.
 - TRENCH WIDTH, BEDDING, SUBGRADE AND PIPE ZONE REQUIREMENTS FOR UTILITY INSTALLATIONS SHALL CONFORM TO THE RESPECTIVE 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 503 FOR PIPE BEDDING METHODS.
 - ALL JOISTS UNDER WATER TRENCH REQUIRE PIPE BEDDING AND BACKFILL WITHIN THE PIPE ZONE TO BE OF THE SAME MATERIAL.

RTC STD DWG 503

CP/PIPE TO SOIL READ REQUIRED

LMR# _____

SIGNATURE _____

PIG INFORMATION

MAKE	STYLE	CONDITION

WELD PROCEDURES USED:

SIGNATURE _____

DATE _____

FOR STEEL ONLY:

PROP TO SOIL _____

ANODE INSTALLED? _____

YES NO

IF YES, PIPE TO SOIL _____

TYPE OF PIPE COATING

2 TAR WRAP

3 ASPHALT

4 PRITEC

6 FUSION BONDED EPOXY

8 PLASTIC TAPE WRAP

9 EXTRUDED POLY COATING

10 OTHER _____

CONDITION OF PIPE COATING

E EXCELLENT

G GOOD

F FAIR

P POOR

N NO COATING

Purge Plan was completed in accordance with the Operations Manual Guidelines by:

Name _____ Date _____

I REVIEWED THE PROCEDURES PERFORMED AND FOUND THEM, ADEQUATE () INADEQUATE ()**

** INADEQUATE COMMENTS _____

SIGNATURE: _____ DATE: _____

SIGNATURE: _____ DATE: _____

SYSTEM D VALLEY WIDE

DR. NO. 21DS10023540

SEGMENT M.A.O.P. N/A

SYSTEM M.A.O.P. 43#

SYSTEM M.O.P. 43#

NOTHING ON THESE DRAWINGS SHALL BE RELIED ON OR CONSTRUED BY CONTRACTOR TO ESTABLISH THE METHOD OF INSTALLATION (i.e. INSERTION, SPLITTING OF SERVICE, OPEN CUT, OR BORING).

CITY OF LAS VEGAS:
THERE IS 3,207' OF PROP.
4" STL/4" PE/2" PE IN CLV ROW.

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 _____ DATE _____

HANSEN # 45665 DWG # 731-85-645-2

TAX CODE 02-0207

NO.	DESCRIPTION	BY	DATE	APPRD.

TAX CODE 02-0200

NO.	DESCRIPTION	BY	DATE	APPRD.

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 SNW

SOAP

TEST PRES. (PSIG) _____ START _____ END _____

TIME _____

DATE _____ PROPOSED _____

PERFORMED BY _____

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 _____

PERMIT INFORMATION

CITY OF LAS VEGAS

TAX CODE 02-0207 / 02-0200

ISOLATION AREA

DIST_019

W. R. NO. 1414593

LOCATION _____

TILE NO. _____

T20S, R60E, S24

T20S, R60E, S25

T20S, R61E, S19

M.D.M.

x606y522

x609y522

ENGINEER/TECHNICIAN RYAN MORGAN PHONE 365-2172

ACCOUNT REP. _____ PHONE _____

PROJECT CONTACT RYAN MORGAN PHONE 365-2172

SHEET NO. 1 OF 9 SCALE 1"=30' DATE 5-8-12

DWN. BY ZE CHKD. BY _____ UPDATED _____

TITLE

F-CLV-VEGAS DRIVE STORM DRAIN 4" DIST. STEEL REPLACEMENT



45665
6-6-12