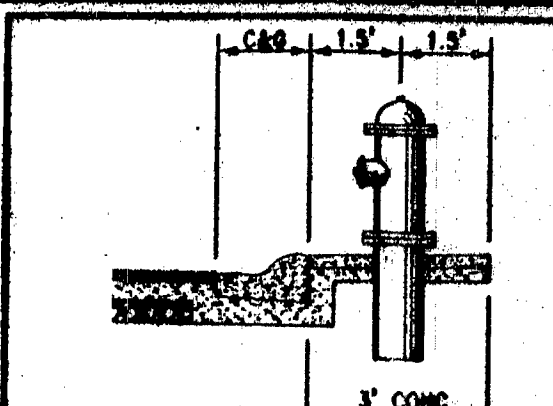
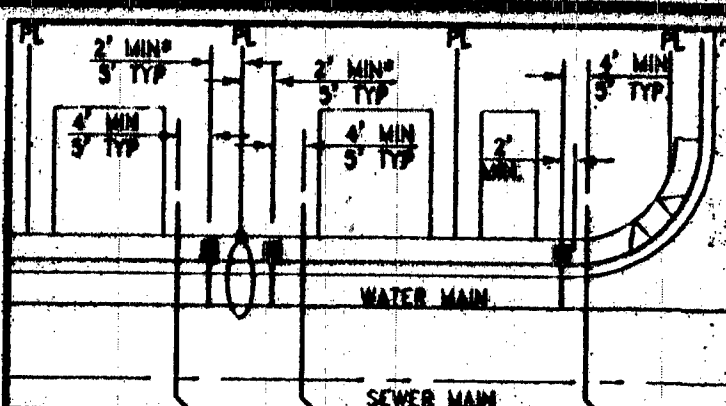


UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION. CONTRACTOR TO NOTIFY ENGINEER OF ANY CHANGES OR DISCREPANCIES.

Arnold overheard power line
 conduct. It's costly.
Call
before you
Overhead
1-702-257-2222
 Nevada Power
 Environment and Safety
 Services Department



~~EMERGENCY HYDRANT INSTALLATION~~
~~CONSTRUCTION PER PAGE 757 45~~



**TYPICAL WATER AND
SEWER LATERAL LOCATIONS**

*MINIMUM SEPARATION OF 5-FEET REQUIRED FROM STREET LIGHT CENTER TO WATER METER BOX CENTER

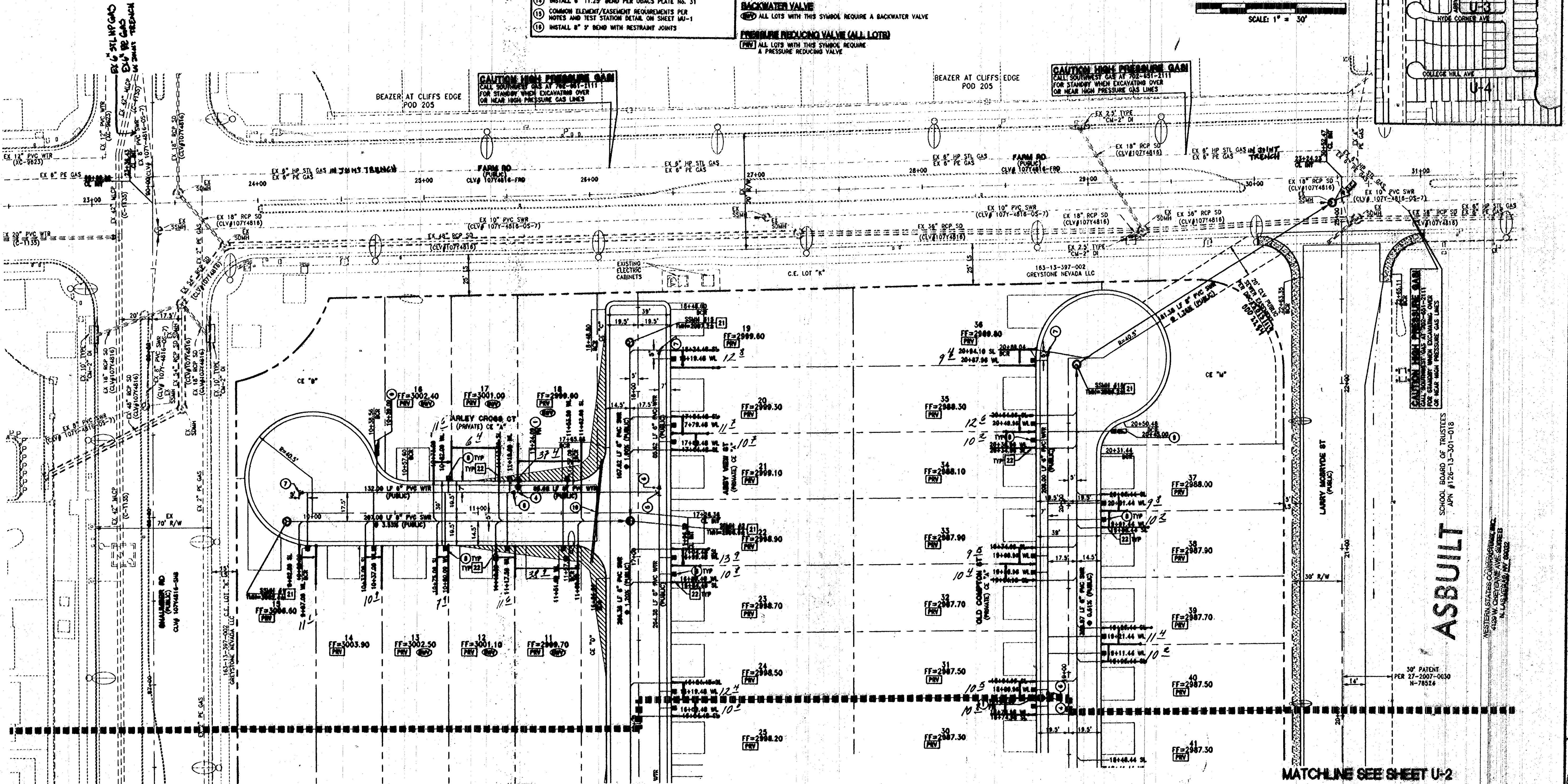
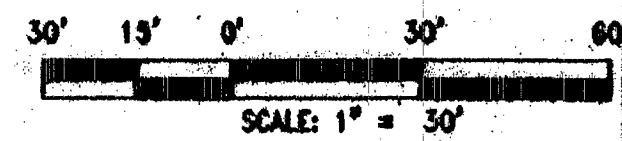
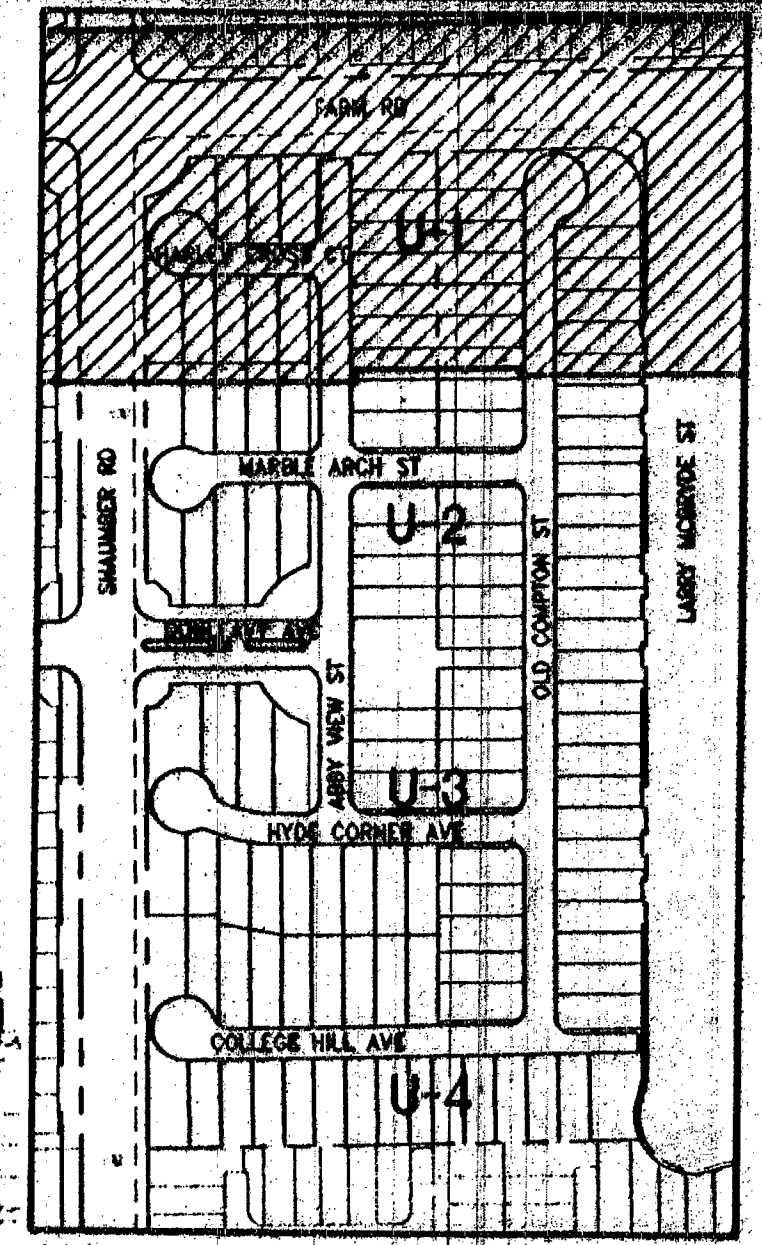
- # WATER CONSTRUCTION NOTES
1. INSTALL FLOOR HORIZONTAL ASSEMBLY PER UDACS PLATE NO. 40 (INCLUDES 8" GATE VALVE)
 2. REMOVE EXISTING 8" CAP AND 2" BLOWOFF AND CONNECT TO EXISTING 8" WATER MAIN PER UDACS PLATE 38
 3. INSTALL 8" GATE VALVE PER UDACS PLATE NO. 30 & NO. 39
 4. INSTALL 8" X 8" TEE PER UDACS PLATE NO. 31
 5. INSTALL 8" X 8" TEE PER UDACS PLATE NO. 31
 6. INSTALL 8" X 8" REDUCER PER UDACS PLATE NO. 30
 7. INSTALL 8" CAP WITH 2" BLOW OFF ASSEMBLY PER UDACS PLATE NO. 40
 8. INSTALL 1" COPPER SERVICE LATERAL WITH 3/4" WATER PER UDACS PLATE NO. 2
 9. INSTALL 1" COPPER SERVICE LATERAL WITH 3/4" WATER METER PER UDACS PLATE NO. 4 & 8
 10. (1) 3/4" BRASS WATERLINE (BETWEEN METER AND PAPA)
 11. (2) 1/2" SCHEDULE 40 PVC IRRIGATION SLEEVES
 11. INSTALL 8" X 8" CROSS PER UDACS PLATE NO. 31
 12. INSTALL 8" 45° BEND PER UDACS PLATE NO. 31
 13. INSTALL 8" 90° WITH RESTRAINT JOINTS
 13. INSTALL 8" 11.25° BEND PER UDACS PLATE NO. 31
 14. COMMON ELEMENT/ASSESSMENT REQUIREMENTS PER NOTES AND TEST STATION DATA ON SHEET 104-1
 14. INSTALL 8" 90° BEND WITH RESTRAINT JOINTS

- SEWER CONNECTION NOTES**
- [21] INSTALL 6" STANDARD MANHOLE (PER DCSWGS STD. No. SD-10, SD-4, SD-9 & SD-8)
- [22] INSTALL 6" SLOPE LATERAL (PER DCSWGS STD. No. SD-17, SD-18, SD-19 & SD-25) AND 12" CITY BURST BLOCK @ CH
- [23] TYPICAL LOCATION FOR SEWER LATERAL AT WATER MAIN CROSS
ALL SEWER LATERALS MUST MAINTAIN 24" VERTICAL CLEARANCE
BELOW WATER MAIN AT CROSSINGS
- BENCHMARK**
CITY OF LAS VEGAS BENCHMARK GLV99 15W6
Rivet & PLATE TOP CURB NE CORNER SHAMBER ROAD (LANSFORD)
ELEVATION=918.085 METERS
ELEVATION=3078.741 U.S. FEET
NAD80 06 CITY OF LAS VEGAS 2008 VERTICAL ADJUSTMENT
- BARE OF BEARING**
NORTH 88°47'20" EAST BEING THE BEARING OF THE NORTH LINE
OF THE NORTHWEST QUARTER (NE 1/4) OF THE NORTHWEST QUARTER
(NE 1/4) OF SECTION 12, TOWNSHIP 21° SOUTH, RANGE 60 EAST,
NAD80 COUNTY OF CLARK, AS SHOWN ON THAT CERTAIN MAP
ON FILE IN THE CLARK COUNTY RECORDER'S OFFICE IN FILE 27 OF
PARCEL MAPS, IN PAGE 94.
- BACKWATER VALVE**
ALL LOTS WITH THIS SYMBOL REQUIRE A BACKWATER VALVE

NOTE
ALL ABOVE GROUND UTILITY
APPURTENANCES SHALL CONFORM TO THE
REQUIREMENTS OF TITLE 18.06 AND
19.06.

SEWER EASEMENT NOTE
NO STRUCTURES, TREES, OR VEGETATION TALLER THAN THREE
FEET ALLOWED WITHIN CLV SEWER EASEMENT

10



MATCHLINE SEE SHEET U-2

MATCHLINE SEE SHEET U-2

THIS PROJECT RESIDES WITHIN THE 3350 WATER ZONE. THEREFORE ALL LOTS WITH A FINISH FLOOR ELEVATION LESS THAN 3026.59 WILL REQUIRE AN INDIVIDUAL, ON-SITE (PRIVATE) PRESSURE REDUCING VALVE.

THIS PROPERTY DOES HAVE STATIC WATER PRESSURE IN EXCESS OF 80 PSI. THEREFORE THE LOTS WITHIN THIS PROJECT REQUIRE PRESSURE REDUCING VALVES. THE UNIFORM PLUMBING CODE REQUIRES THAT INDIVIDUAL, ON-SITE (PRIVATE), PRESSURE REDUCING VALVES BE INSTALLED WHENEVER THE PRESSURE EXCEEDS 80 PSI. PFM'S ARE THE DEVELOPER'S RESPONSIBILITY AND WILL NOT BE INSPECTED OR INCLUDED IN THE ACCEPTANCE OF THE FACILITIES. EXCEEDINGS SHALL BE CLEARLY MARKED OR STAKES PRIOR TO THE START OF CONSTRUCTION.

PVC PIPE SHALL BE DEFLECTED AT THE JOINT ONLY. THE MAXIMUM ALLOWABLE DEFLECTION SHALL BE ONE (1) DEGREE PER JOINT WITH A MINIMUM RADIUS OF CURVATURE OF 1,150 FEET, PER UDAC'S 2.07.01 AND 2.07.02
FOR CHANGES IN DIRECTION EXCEEDING THE MAXIMUM ALLOWABLE JOINT DEFLECTION, FITTINGS SHALL BE USED.

NOTE:
INSTALL FIBERGLASS WARMER BALLS IN TRENCH ABOVE EACH HORIZONTAL ELBOW
FITTING PER SERVICE PLAN NO. 15

TO FIELD VERIFY BOTH VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION. ENGINEER ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITIES SHOWN INCORRECTLY OR OTHERWISE NOT SHOWN.

SHOWN ON THIS PLAN SET ARE
CALCULATED AT THE BACK OF CURB

118 ERU (118 LOTS) * 250 GPD = .0295 MGD
= 0.0295 * 3.3 = 0.10 MGD PEAK

TOTAL LIVING AREA:
TOTAL SF UNDER ROOF:
NUMBER OF STORES:
BUILDING USE:
SPRINKLERED:
NUMBER OF FIRE HYDRANTS:
FIRE FLOW: 1,750

< 4,800 S.F.
< 4,800 S.F.
2
SINGLE FAMILY RESIDENTIAL
NO
8
GPM AT 20 PSI RESIDUAL

BY JK mill DATE 10/31/13

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR ANY APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

APPROVAL BY THE FIRE DEPARTMENT HAVING JURISDICTION IS REQUIRED PRIOE TO OBTAINING FINAL APPROVAL FROM THE LIVING.

FIRE FLOW 1,250 GPM @ 20 PSI RESIDUAL


 LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
 DATE: 11/2/03 PROJECT: 122130
 LVAWD APPROVED FIRE FLOW 1,750 GPM AT 20 PSI RESIDUAL

LENNAR®
4000 PACIFIC PALMS PARKWAY SUITE 120 WESTMINSTER, CO 80037
PHONE: (303) 796-6100 FAX: (303) 796-4300

RCI Engineering

2301 South Highland Drive, Suite 210, Los Angeles, CA 90009
(213) 463-0900 (415) 463-0901

WEST END (AKA FARM AND SHAUMBER)
CLIFFS EDGE POD 208

UTILITY PLAN (SHEET 1 OF 4)

CITY OF LAS VEGAS

NEW



 10-3013

DRAWING

 U-1

SHEET 13 OF 40

 CLF DRAWING NUMBER

 44-50965

 1072485

PROJECT NUMBER: 44-50965