



ATTACHMENT 04

DRAWINGS

(Schwab Engineering)

600-14-130

P-001

1 pages

28 February 2017

Long Beach, California VA Health Care System (600)

Natural Gas Piping Correction

CONSTRUCTION

three inches = one foot
one and one half inches = one foot
one inch = one foot
one half inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot

ABBREVIATIONS		LEGEND			SEISMIC BRACING NOTES	GENERAL NOTES	
A/E	ARCHITECT / ENGINEER	SYMBOL	ABBREV.	DESCRIPTION	1. SHOP DRAWINGS WITH SHOP DRAWING STAMP SHALL BE SUBMITTED TO EOR THROUGH PROJECT ENGINEER FOR REVIEW AND APPROVAL.	1. BEFORE CONSTRUCTION STARTS, VA SHALL PROVIDE PRE-CONSTRUCTION RISK ASSESSMENT (PICRA). THE CONTRACTOR SHALL STRICTLY FOLLOW SAFETY AND INFECTION CONTROL MEASURES OF VA. VA RESERVES THE RIGHTS TO STOP ALL CONSTRUCTION WORK IF THESE RULES ARE NOT STRICTLY FOLLOWED BY THE CONTRACTOR.	
ABV	ABOVE		(E)G	EXISTING UNDERGROUND PIPING TO REMAIN			2. APPROVED SHOP DRAWING WITH THE CONTRACTOR'S SHOP DRAWING STAMP SHALL BE KEPT ON THE JOB SITE AND CAN THEN BE USED FOR INSTALLATION OF THE SUPPORT AND BRACING. a. VA PROJECT ENGINEER WILL REVIEW THE INSTALLATION.
ABBREV.	ABBREVIATION		G	NATURAL GAS	3. ALL SUPPORTS AND BRACING SHALL BE PROVIDED WITH ANCHORAGE AND SEISMIC PRE-APPROVAL SYSTEM NUMBERS, SIMILAR TO B-LINE OPA-0300.	3. ALL MATERIALS AND COMPONENTS SHALL BE APPROVED BY RECOGNIZED NATIONAL STANDARDS SPECIFICALLY FOR ITS INTENDED USE.	
AFF	ABOVE FINISH FLOOR		PV	PLUG VALVE			4. EXISTING AREAS SUBJECT TO DISRUPTION DUE TO CONSTRUCTION SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AS DIRECTED BY THE VA PROJECT ENGINEER.
ASHRAE	AMERICAN SOCIETY HEATING, REFRIGERATION, AIR CONDITIONING ENGINEERS		GV, GLV	GATE OR GLOBE VALVE	6. GAS PIPING, TUBING AND FITTINGS SHALL BE FREE FROM CUTTING BURRS AND DEFECTS IN STRUCTURE OR THREADING. DEFECTS IN PIPING AND FITTINGS SHALL NOT BE REPAIRED BUT SHALL BE REPLACED.	7. SLIP TYPE MECHANICAL COUPLINGS TO JOIN GAS PIPING SHALL NOT BE USED.	
ASME	AMERICAN SOCIETY MECHANICAL ENGINEERS		CV	CHECK VALVE			8. ALL ASSEMBLIES SUBJECT TO VEHICULAR DAMAGE SHALL BE PROTECTED WITH TRAFFIC RATED BOLLARDS IN ACCORDANCE WITH VA CONSTRUCTION STANDARDS.
ASPE	AMERICAN SOCIETY PLUMBING ENGINEERS			RELIEF VALVE	10. ALL SHUT-OFF SERVICE VALVES SHALL BE PROVIDED WITH VALVE IDENTIFICATION TAGS IN ACCORDANCE WITH VA CONSTRUCTION STANDARDS, VALVES SHALL INDICATE BUILDING NUMBERS AND EXISTING SYSTEM LABELING PROTOCOL.	11. ALL REPLACED NEW PIPING SHALL BE CARBON STEEL AND FACTORY WRAPPED FOR CATHODIC PROTECTION.	
ASSY	ASSEMBLY			EXCESS FLOW VALVE			12. CONTRACTOR SHALL HIRE PRIVATE ALLOCATION FIRM TO LOCATE UTILITIES, MEDICAL GASES, DOMESTIC WATER, SEWER, NATURAL GAS ETC.
BEL	BELOW			STR	1. TURN THE SYSTEM ON AFTER TESTS WERE PERFORMED AND ACCEPTED.		
CAP	CAPACITY			BV			1. INSTALL NEW 3" GAS PIPE (9.6 PSI) FROM EXISTING PRESSURE REDUCING STATION AT 7TH STREET PARALLEL TO EXISTING GAS PIPE.
CFH	CUBIC FEET PER HOUR			UN	3. DISCONNECT EACH EXISTING PIPING CONNECTING TO EXISTING PRESSURE REDUCING ASSEMBLY AT BUILDINGS 126 AND 166 AND RECONNECT TO NEW PIPING.	4. REMOVE EXISTING GAS PIPING.	
DN	DOWN			RED.			
DWG	DRAWING						
EL	ELEVATION						
EOR	ENGINEER OF RECORD						
EX (E)	EXISTING						
FL	FLOOR						
FT	FEET						
GPR	GAS PRESSURE REGULATOR						
HDR	HEADER						
HPG	HIGH PRESSURE GAS						
IPC	INTERNATIONAL PLUMBING CODE						
MA	MEDICAL AIR						
MV	MEDICAL VACUUM						
MPG	MEDIUM PRESSURE GAS						
NC	NORMALLY CLOSED						
NIC	NOT IN CONTRACT						
NIS	NOT IN SCOPE OF WORK						
NO	NORMALLY OPEN						
NTC	NOT TO SCALE						
O2	MEDICAL OXYGEN						
OC	ON CENTER						
OD	OUTSIDE DIAMETER						
OPA	OSHPD PRE-APPROVED						
OSHPD	OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT						
PSI	POUNDS PER SQUARE INCH						
SEOR	STRUCTURAL ENGINEER OF RECORD						
SS	STAINLESS STEEL						
SOV	SHUT-OFF VALVE						
TDL	TOTAL DEVELOPED LENGTH						
TYP	TYPICAL						
UG	UNDERGROUND						
V	VENT						
VA	VETERAN ADMINISTRATION						
DETAIL TITLE / DRAWING SYMBOLS						EXCAVATION NOTES	
<div><div><div>XX</div><div>XX</div></div><div>EQUIPMENT TOP - ID NUMBER REFERENCE BOTTOM - SHEET NUMBER</div></div> <div><div>XX</div><div>XX</div></div> <div>DETAIL TOP - ID NUMBER REFERENCE BOTTOM - SHEET NUMBER</div> <div><div>XX</div><div>XX</div></div> <div>SECTION TOP - ID NUMBER REFERENCE BOTTOM - SHEET NUMBER</div> <div><div>BUILDING NUMBER WHERE EQUIPMENT IS LOCATED.</div><div>EQUIPMENT ABBREVIATION (PUMP)</div><div>PUMP NO. 3 IN BUILDING NO.26</div><div>TYPICAL UNIT NO.</div></div>						1. ARCHAEOLOGICAL TEST EXCAVATIONS HAVE INDICATED THAT THE BURED REMNANTS OF ANCIENT LIVING AND BURIAL SITES EXTEND THROUGHOUT THE VALBHS CAMPUS	
					2. UNDER THE REGULATIONS IMPLEMENTING SECTION 106 OF THE NATIONAL HISTORIC PRESERVATION ACT (36CFR PART 800) FEDERAL AGENCIES ARE REQUIRED TO CONSULT WITH THE STATE HISTORIC PRESERVATION OFFICER (SHIPO), FEDERALLY RECOGNIZED NATIVE AMERICAN TRIBES, TO SEEK AGREEMENT ON WAYS TO PRESERVE ADVERSE EFFECTS ON HISTORIC PROPERTIES.		
					3. IN CONSEQUENCE OF WHICH A MEMORANDUM OF AGREEMENT WAS REACHED AMONG VETERANS AFFAIRS LONG BEACH HEALTHCARE SYSTEM (VALBHS), THE CALIFORNIA STATE HISTORIC PRESERVATION OFFICER(SHIP0), AND THE ADVISORY COUNCIL ON HISTORIC PRESERVATION (ACHP) REGARDING EXCAVATIONS FOR CONSTRUCTION AT LONG BEACH MEDICAL CENTER, LONG BEACH, CALIFORNIA.		
					4. UNDER THIS AGREEMENT VALBHS WILL ENSURE THAT THE HISTORIC PROPERTY TREATMENT PLAN, (ATTACHMENT B TO THE MEMORANDUM OF AGREEMENT) IS IMPLEMENTED.		
					5. TO IMPLEMENT THE TREATMENT PLAN, THE CONTRACTOR SHALL HIRE A SUB-CONTRACTOR, WHOSE SUPERVISORY ARCHEOLOGICAL PERSONNEL MEET THE SECRETARY OF INTERIOR'S PROFESSIONAL QUALIFICATIONS STANDARDS(SHPQS) FOR PREHISTORIC ARCHEOLOGY (48 FR44738-39)		
					6. THE ARCHEOLOGICAL SUB-CONTRACTOR WILL COORDINATE WITH THOSE TRIBAL ORGANIZATIONS INVOLVED IN THE PROGRAM AND SCHEDULE NATIVE AMERICAN MONITORS TO ENSURE THAT TO THE MAXIMUM EXTEND POSSIBLE, NO GROUND EXCAVATIONS FOR THE UNDERTAKING DEEPER THAN 4 INCHES BELOW THE CURRENT SURFACE WILL OCCUR WITHOUT THE PRESENCE OF A NATIVE AMERICAN MONITOR.		

100% Submittal01/16/17

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RevisionsDate

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Drawing Title
PLUMBING LEGEND AND NOTES

Project Title
SITE NATURAL GAS PIPING CORRECTIONS

Location
VA LONG BEACH HEALTHCARE SYSTEM
5901 E SEVENTH ST, LONG BEACH, CA 90822

Date
02/28/17

Checked
SN

Drawn
KM

Project Number
600-14-130

Building Number
SITE - B126, AND B166

Drawing Number
P-001

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Office of Facilities Management

Department of Veterans Affairs