

MECHANICAL LEGEND AND NOTES

GENERAL PIPING NOTES

1. PROVIDE MINIMUM PIPE COVER, AS SPECIFIED. IN GENERAL, LAY PIPES TO UNIFORM GRADES BETWEEN THE ELEVATIONS SHOWN, UNLESS OTHERWISE APPROVED. IN SOME CASES, EXISTING CONDITIONS PROHIBIT UNIFORM GRADES BETWEEN THE ELEVATIONS SHOWN, AND FIELD ADJUSTMENTS TO UNIFORM GRADES ARE REQUIRED, AS APPROVED.
2. SIZE OF FITTINGS SHOWN ON DRAWINGS SHALL CORRESPOND TO ADJACENT STRAIGHT RUN OF PIPE, UNLESS OTHERWISE INDICATED. TYPE OF JOINT AND FITTING MATERIAL SHALL BE THE SAME AS SHOWN FOR ADJACENT STRAIGHT RUN OF PIPE.
3. ALL JOINTS SHALL BE WATERTIGHT. WALL PIPES SHALL BE USED WHEREVER PIPING PASSES FROM A STRUCTURE TO BACKFILL.
4. ALL FLEXIBLE CONNECTORS OR FLANGED COUPLING ADAPTERS SHALL BE PROVIDED WITH THRUST TIES OR ANCHORS, UNLESS OTHERWISE NOTED. THRUST PROTECTION SHALL BE ADEQUATE FOR TEST PRESSURES SPECIFIED.
5. SYMBOLS, LEGENDS, AND PIPE USE IDENTIFICATIONS SHOWN SHALL BE FOLLOWED THROUGHOUT THE DRAWINGS, WHEREVER APPLICABLE. NOT ALL OF THE VARIOUS PIPING COMPONENTS ARE NECESSARILY USED IN THE PROJECT.
6. ALL PIPING SHALL BE PRESSURE TESTED. SEE PIPE SCHEDULE IN SPECIFICATION SECTION 15060 FOR TEST PRESSURE.
7. NUMBER AND LOCATION OF UNIONS SHOWN ON DRAWINGS IS ONLY APPROXIMATE. PROVIDE ALL UNIONS NECESSARY TO FACILITATE CONVENIENT REMOVAL OF VALVES AND MECHANICAL EQUIPMENT.
8. WHERE A GROOVED END COUPLING IS SHOWN, IT SHALL BE THE RIGID JOINT TYPE, UNLESS OTHERWISE SPECIFIED. WHERE A FLANGED COUPLING ADAPTER IS SHOWN, A STANDARD FLANGE SHALL BE JOINED TO THE COUPLING ADAPTER. CONTRACTOR MAY ADD TEMPORARY FLANGED SPOOLS AS NECESSARY TO PIPING RUNS TO FACILITATE TESTING.
9. PIPES SUPPORTS SHOWN FOR PIPES LESS THAN 30 INCHES ARE TYPICAL OF THAT INSTALLED. ACTUAL NUMBER, SPACING AND OTHER REQUIREMENTS OF PIPE SUPPORTS SHALL BE IN ACCORDANCE WITH SPECIFICATION SECTION 15140.

INSTRUMENT INSTALLATION

1. REFER TO P&ID AND INSTRUMENT LIST IN SECTION 13411 FOR INFORMATION.

DEMOLITION NOTES

GENERAL DEMOLITION NOTES

1. INFORMATION SHOWN ON DRAWINGS IS TAKEN FROM FACILITY RECORD DRAWINGS. FIELD VERIFY ACTUAL COMPONENTS IDENTIFIED FOR DEMOLITION WITH EXISTING INSTALLATIONS PRIOR TO COMMENCEMENT OF DEMOLITION
2. ELEVATIONS SHOWN ON DRAWINGS ARE TAKEN FROM FACILITY RECORD DRAWINGS. FIELD VERIFY ALL ELEVATIONS AND DATUMS.
3. PRIOR TO DEMOLITION WORK IDENTIFY, PROTECT, AND SALVAGE ITEMS INDICATED TO BE TURNED OVER TO OWNER OR ITEMS TO BE REUSED IN THE WORK.
4. DEMOLITION DRAWINGS IDENTIFY BUILDINGS, FACILITIES, SYSTEMS ITEMS, OR COMPONENTS TO BE DEMOLISHED. DEMOLISH ALL WIRING, CONTROLS, PANELS, ASSOCIATED MCC, CONDUITS, SUPPORTS, HANGERS, AND OTHER ACCESSORIES ASSOCIATED WITH EQUIPMENT IDENTIFIED TO BE DEMOLISHED. DEMOLISH IN MANNER TO PROTECT FROM DAMAGE AND MAINTAIN IN SERVICE SYSTEMS AND ITEMS NOT IDENTIFIED FOR DEMOLITION.
5. DO NOT RELOCATE OR REMOVE HEATING, VENTILATION, AIR CONDITIONING, LIGHTING SYSTEMS OR LUMINAIRES, INCLUDING ASSOCIATED POWER AND CONTROLS, UNLESS SPECIFICALLY INDICATED.
6. REMOVE ALL EXPOSED CONDUIT ASSOCIATED WITH EQUIPMENT INDICATED TO BE DEMOLISHED. REMOVE CONDUIT TO POINT OF WALL PENETRATION.
7. UNLESS OTHERWISE INDICATED, CUT PIPING AT LIMITS OF DEMOLITION AND TERMINATE WITH A BLIND FLANGE OR WELDED CAP AS INDICATED OR REQUIRED. AT PENETRATIONS CUT PIPING FLUSH AND CAP.
8. IN ADDITION TO ITEMS INDICATED, REMOVE BUILDING COMPONENTS AS REQUIRED TO ACCOMODATE NEW CONSTRUCTION OR INSTALLATION OF NEW ITEMS. REBUILD AREAS DISTURBED TO MATCH EXISTING.



DEMOLISH

FLOW STREAM IDENTIFICATION

LEGEND

SERVICE

A	AIR, PLANT UTILITY
AI	AIR, INSTRUMENT
ALB	AIR, LABORATORY
ALP	AIR, LOW PRESSURE PROCESS
ARD	ACID RESISTANT DRAIN
ARV	ACID RESISTANT VENT
BS	BLENDED SLUDGE
C	SODIUM HYDROXIDE (CAUSTIC)
CD	CONTAINMENT DRAIN
CHD	CHEMICAL DRAIN, GRAVITY
CHDP	CHEMICAL DRAIN, PRESSURE
CO	CONDENSATE DRAIN
CHR	CHILLED WATER RETURN
CHS	COOLING WATER SUPPLY
CS	CHLORINE SOLUTION
D	DRAIN, SANITARY
DE	DRAIN PRESSURE
DIW	DEIONIZED WATER
DPSD	DEGRITTED PRIMARY SLUDGE
DR	DRAIN
DSC	DEWATERED SLUDGE CAKE
DSP	DRY STANDPIPE
EWV	EYE WASH WATER
F	FILTRATE
FF	FIRE SUPPRESSION FOAM
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY
FS	FIRE SPRINKLER/SERVICE
GR	GRIT SLURRY
GRD	GRIT DRAIN
GTO	GRAVITY THICKENER/OVERFLOW
GTS	GRAVITY THICKENED SLUDGE
GTSM	GRAVITY THICKENED SCUM
HW	HOT WATER (POTABLE)
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
LCW	LABORATORY COLD WATER
LHW	LABORATORY HOT WATER
LPO	LIQUID POLYMER
LPS	LOW PRESSURE STEAM
MA	MURIATIC ACID
ML	MIXED LIQUOR
MOL	METHANOL (100% SOLUTION)
MS	METHANOL SOLUTION (23% OR LESS SOLUTION)
MU	MAKE-UP WATER
N2	NITROGEN
NG	NATURAL GAS
NGV	NATURAL GAS VENT
NRCY	NITRATE RICH RECYCLE
OA	ODOROUS AIR
OD	ROOF OVERFLOW DRAIN
OF	OVERFLOW
PD	PROCESS DRAIN
PE	PRIMARY EFFLUENT
PI	PRIMARY INFLUENT
POIL	PELLET OIL
PLE	PLANT EFFLUENT
PSD	PRIMARY SLUDGE
PSM	PRIMARY SCUM
RAS	RETURN ACTIVATED SLUDGE
RD	ROOF DRAIN
RHW	RECIRCULATING HOT WATER
RS	RAW SEWAGE
SA	SAMPLE
SCR	SCREENINGS
ST	STORM DRAIN
SE	SECONDARY EFFUENT
SFA	SULFURIC ACID
SI	SECONDARY INFLUENT
SPD	SUMP PUMP DISCHARGE
SR	SCRUBBER RECYCLE
SS	SANITARY SEWER
SSM	SECONDARY SCUM
TPS	THICKENED PRIMARY SLUDGE
TWAS	THICKENED WASTE ACTIVATED SLUDGE
V	VENT, SANITARY OR PROCESS
VR	VAPOR RECOVERY
VTR	VENT THROUGH ROOF
WAS	WASTE ACTIVATED SLUDGE
WML	WASTE MIXED LIQUOR
WSP	WET STANDPIPE
W1	POTABLE WATER
W2	PLANT SERVICE WATER (NON POTABLE)
W3	PLANT EFFLUENT WATER (NON POTABLE)

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	STAMFORD WATER POLLUTION CONTROL AUTHORITY SOLIDS DRYING PROJECT	S. LAROCQUE DR	P. SINGH CHK	D. LYNCH APVD	B. GACKSTATTER BY	BG	PW	BG	PW	BG	DL	BG	PW	BG	PW					
						01/20/08	09/08/06	07/04/06	06/05/06	NO.	DATE	REVISION	APVD	BY	APVD	BY	APVD	BY	APVD	BY
						3	2	1	0	3	2	1	0	3	2	1	0	3	2	1
	MECHANICAL MECHANICAL LEGEND (1)	VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING.	DATE: JUNE 2006 PROJ: 334058 DWG: G-7 SHEET: M0	FILENAME: stg007.334058.dgn MODIFIED DATE:	MODIFIED TIME:															

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