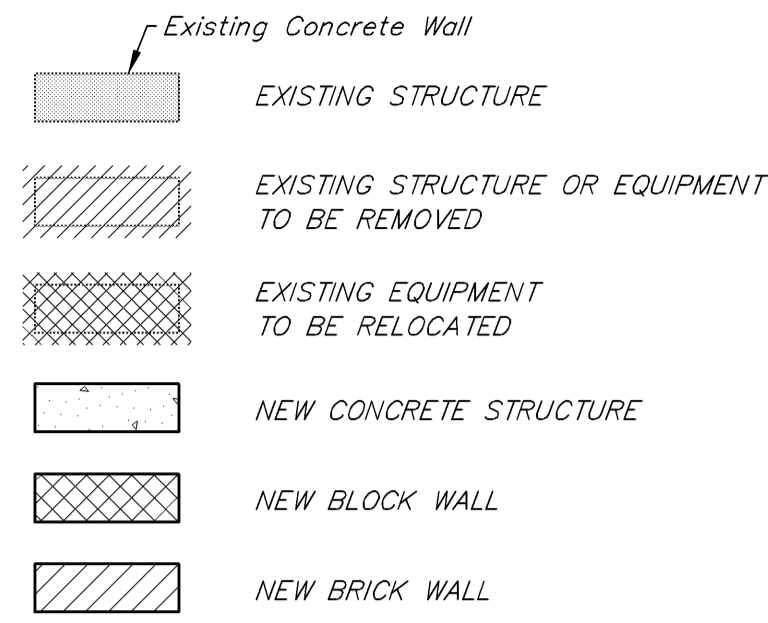
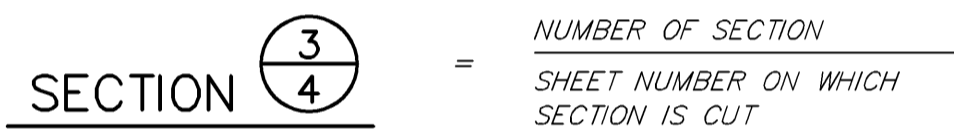
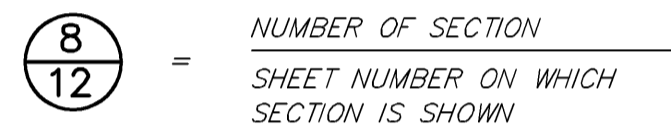
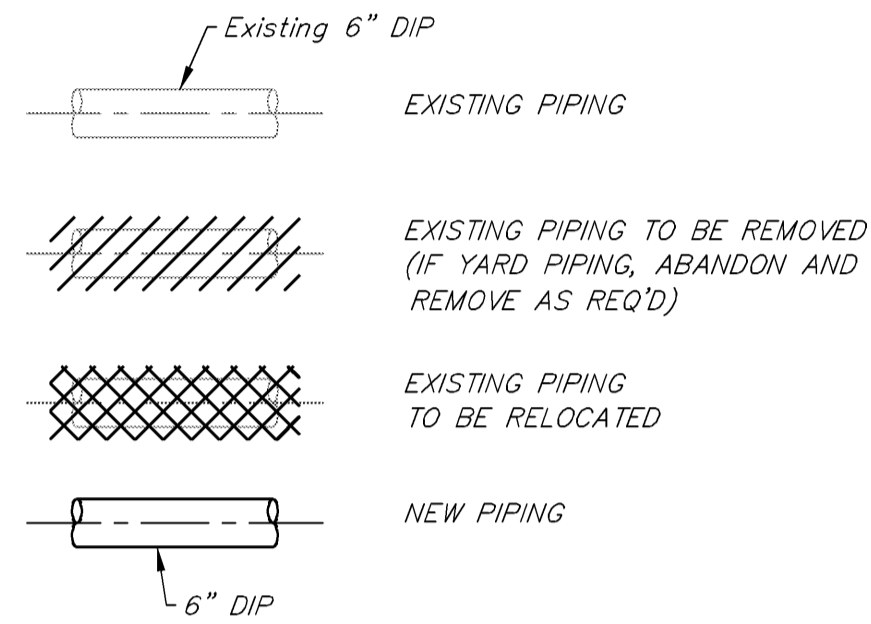


STRUCTURAL LEGEND

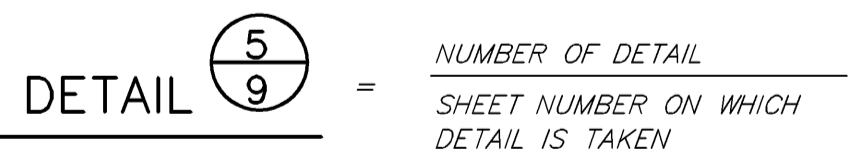
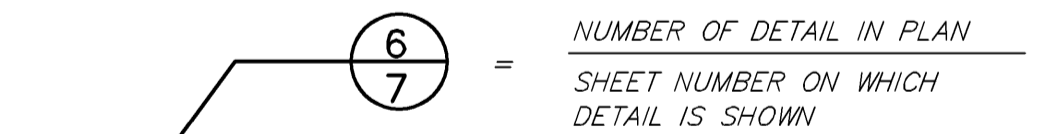
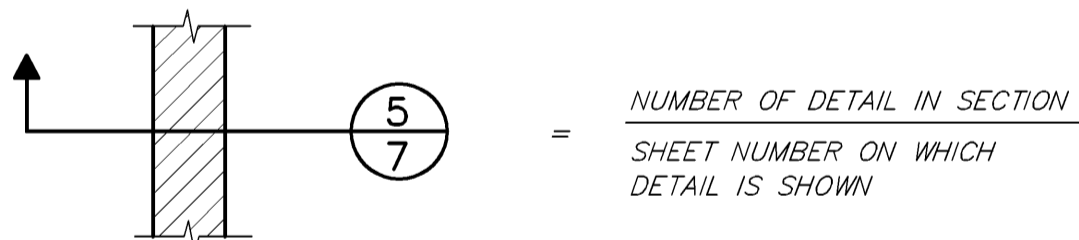


PIPING LEGEND



DELINEATION OF SECTIONS

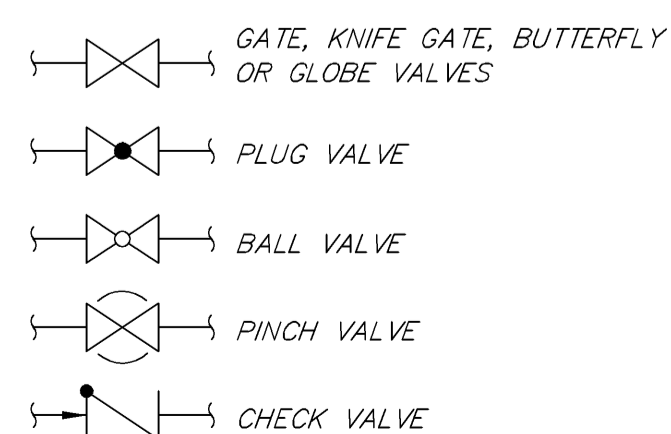
(SECTIONS LETTERED ARE SHOWN ON SAME SHEET)



DELINEATION OF BLOW - UP DETAILS

(DETAILS LETTERED ARE SHOWN ON SAME SHEET)

VALVE SYMBOL LEGEND



NOTE: FOR SYMBOLS USED FOR PIPING ISOMETRIC DIAGRAMS, SEE SHEET NO.

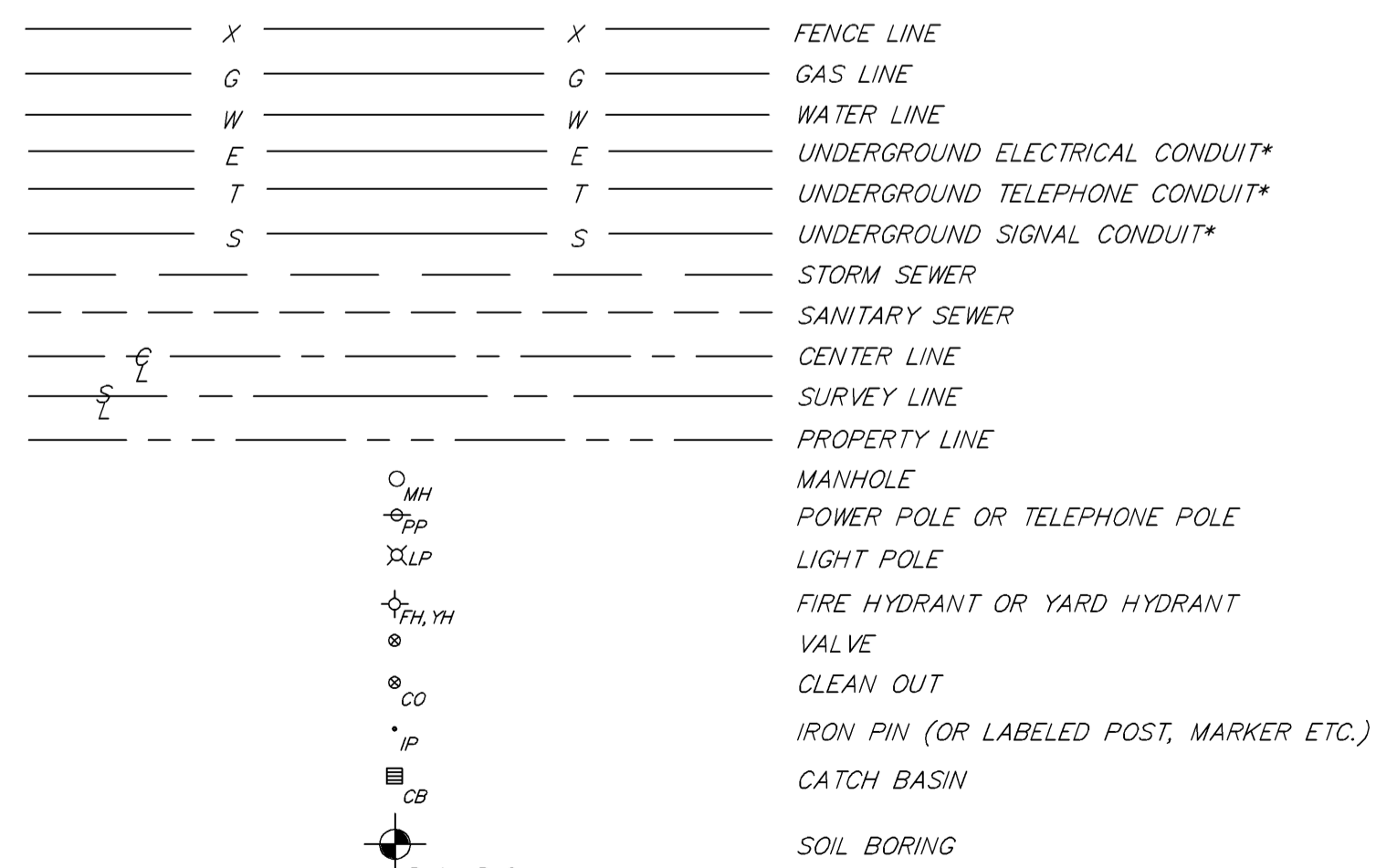
STANDARD ABBREVIATIONS

AFF	Above Finish Floor	HM	Hollow Metal
Alum.	Aluminum	Insul.	Insulation
AMU	Architectural Masonry Unit	Lam.	Laminate
Arch.	Architectural	Lav.	Lavatory
BF	Blind Flange	Max.	Maximum
Bot.	Bottom	Min.	Minimum
Bldg.	Building	Manuf.	Manufacturer
C/C	Center To Center	MEJ	Masonry Expansion Joint
CJ	Control Joint	MJ	Mechanical Joint
CT	Ceramic Tile	Mnt.	Mount
Chk'd.	Checked	NTS	Not To Scale
CMU	Concrete Masonry Unit	O.C.	On Center
Conc.	Concrete	O.D.	Outside Diameter
Conc. Blk.	Concrete Block (CMU Or AMU)	PSF	Pounds Per Square Foot
Ecc.	Eccentric	RCB	Rubber Cove Base
Dia.	Diameter	Red.	Reducer
DF	Drinking Fountain	Ref.	Reference
Dwl's.	Dowels	Req'd.	Required
El.	Elevation	SACP	Schedule
Emb.	Embedded	Sch.	Specification
EF	Each Face	Spec.	Stainless Steel
EWEF	Each Way, Each Face	SS	Square
EW	Each Way	Sq.	Top Of
Equip.	Equipment	T/	Top And Bottom
Exp.	Expansion	T & B	Thick
FD	Floor Drain	Thk.	Typical
FE	Fire Extinguisher	Typ.	Unless Noted Otherwise
Fin. Flr.	Finish Floor	UNO	Urinal
Galv.	Galvanized	UR	Vertical
GCMU	Glazed Concrete Masonry Unit	Vert.	Width
GWB	Gypsum Wall Board	W	With
H	Height	W/	Water Closet
		WC	

PIPING ABBREVIATIONS

MATERIAL	SERVICE		
ABS	ABS ACRYLONITRILE-BUTADIENE-STYRENE	PS	PRIMARY SLUDGE
ABSC	ABS COMPOSITE SEWER PIPE (TRUSS PIPE)	RAS	RETURN ACTIVATED SLUDGE
BFP	BACKFLOW PREVENTER	WAS	WASTE ACTIVATED SLUDGE
BSP	BLACK STEEL PIPE	DS	DIGESTED SLUDGE
CIP	CAST IRON PIPE	SC	SCUM
CISP	CAST IRON SOIL PIPE	SP	SUPERNATANT
CMP	CORRUGATED METAL PIPE	DG	DIGESTER GAS
CPP	CONCRETE PRESSURE PIPE	NG	NATURAL GAS
CPT	CORRUGATED POLYETHYLENE TUBING	CW	CITY WATER
CPC	CORRUGATED POLYVINYL CHLORIDE PIPE	HW	HOT CITY WATER
Cu	COPPER TUBING OR PIPING	EW	EFFLUENT WATER
DIP	DUCTILE IRON PIPE	PW	POTABLE WATER
FRP	FIBERGLASS REINFORCED PIPE	CA	COMPRESSED AIR
GLDIP	GLASS-LINED DUCTILE IRON PIPE	TD	TANK DRAIN
GSP	GALVANIZED STEEL PIPE	SS	SANITARY SEWER
HDPE	HIGH DENSITY POLYETHYLENE	TW	TEMPERED WATER
PCP	PLAIN CONCRETE PIPE		
PE	POLYETHYLENE		
PP	POLYPROPYLENE		
PPVC	PERFORATED POLYVINYL CHLORIDE PIPE		
PVC	POLYVINYL CHLORIDE PIPE		
PVCP	PERFORATED VITRIFIED CLAY PIPE		
PVDF	POLYVINYLIDENE FLUORIDE (KYNAR)		
RCP	REINFORCED CONCRETE PIPE		
SP	STEEL PIPE		
SSP	STAINLESS STEEL PIPE		
SWS	SPIRAL WELDED STEEL		
UPVC	UNPLASTICIZED POLYVINYL CHLORIDE PIPE		
VCP	VITRIFIED CLAY PIPE		

TOPOGRAPHY LEGEND

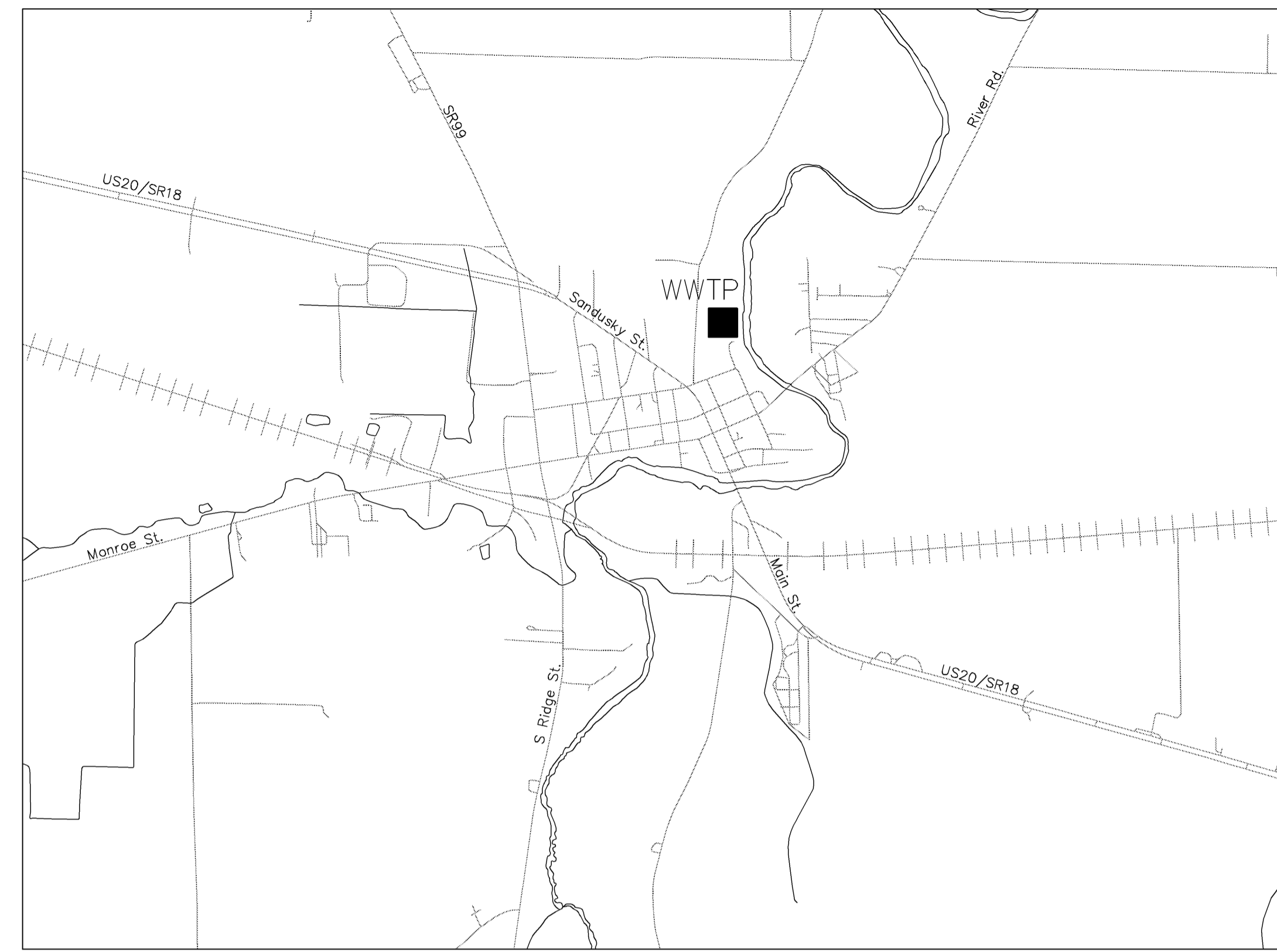


NOTES:

- ACCURACY OF EXISTING ELEVATIONS AND DIMENSIONS IS NOT GUARANTEED. FIELD VERIFY BEFORE CONSTRUCTION.
- ALL NOTES BEAR THE SAME IMPORTANCE. SOME NOTES AND DIMENSIONS ARE BOLD TO AID IN READING THE DRAWINGS IN AREAS OF HIGH GRAPHIC DENSITY.

Note: All Notes Bear The Same Importance. Some Notes And Dimensions Are Bold To Aid In Reading The Drawings In Areas Of High Graphic Density.

VILLAGE OF MONROEVILLE, OHIO



LOCATION MAP

INDEX

CONST. No.	SHEET No.	DESCRIPTION
1	1	INDEX, LEGEND AND LOCATION MAP
2	2	EXISTING SITE PLAN - REMOVALS
3	3	SITE PLAN - YARD PIPING
4	4	SITE PLAN - GRADING
5	5	HYDRAULIC PROFILES
6	6	SCREEN AND PUMP BUILDING - ARCHITECTURAL - ELEVATIONS AND ROOF PLAN
7	7	SCREEN AND PUMP BUILDING - STRUCTURAL, PIPING AND EQUIPMENT - PLAN AND SECTIONS
8	8	SCREEN BUILDING DETAILS
9	9	ORBAL TANK - STRUCTURAL, PIPING AND EQUIPMENT - PLAN
10	10	ORBAL TANK - STRUCTURAL, PIPING AND EQUIPMENT - TOP PLAN
11	11	ORBAL TANK - STRUCTURAL, PIPING AND EQUIPMENT - SECTIONS
12	12	ORBAL TANK - STRUCTURAL - FRAME AND GRATING DETAILS
13	13	FINAL CLARIFIER STRUCTURE - STRUCTURAL, PIPING AND EQUIPMENT - TOP PLAN
14	14	FINAL CLARIFIER STRUCTURE - STRUCTURAL, PIPING AND EQUIPMENT - PLAN AND SECTIONS
15	15	FINAL CLARIFIERS STRUCTURE - STRUCTURAL - FRAME AND GRATING DETAILS
16	16	FINAL CLARIFIERS - STRUCTURAL, PIPING AND EQUIPMENT - TYPICAL SECTION
17	17	FINAL CLARIFIER - STRUCTURAL, PIPING AND EQUIPMENT - SECTIONS AND DETAILS
18	18	UV DISINFECTION AND FLOW MEASUREMENT - STRUCTURAL, PIPING AND EQUIPMENT - PLAN, SECTIONS AND DETAILS
19	19	EXISTING FINAL CLARIFIER - REMOVALS - PLAN AND SECTION
20	20	AEROBIC DIGESTER - PIPING AND EQUIPMENT - PLAN, SECTIONS AND DETAILS
21	21	AEROBIC DIGESTER - AIR PIPING AND DIFFUSER DETAILS
22	22	EXISTING TRICKLING FILTER - REMOVALS - PLANS AND SECTIONS
23	23	BLOWER CHEMICAL DOSING BUILDING - PIPING AND EQUIPMENT - PLANS AND SECTIONS
24	24	ALUM DOSING PIPE WORK - ISOMETRIC
25	25	EXISTING INFLUENT PUMP STATION - REMOVALS - PLAN AND SECTION
26	26	DIGESTED SLUDGE PUMP STATION - PIPING AND EQUIPMENT - PLAN AND SECTION
27	27	EXISTING SPIRAGESTER - REMOVALS - PLAN AND SECTIONS
28	28	DIGESTED SLUDGE STORAGE - PIPING AND EQUIPMENT - PLAN AND SECTIONS
29	29	EXISTING PARSHALL FLUME - REMOVALS - PLAN AND SECTIONS
30	30	EXISTING CONTROL BUILDING - PIPING AND EQUIPMENT - PLAN AND DETAILS
31	31	EXISTING CONTROL BUILDING - PIPING AND EQUIPMENT - SECTIONS AND DETAILS
32	32	EXISTING CHLORINE CONTACT TANKS AND GRIT CHAMBER - REMOVALS - PLANS AND SECTIONS
33	P-1	PLUMBING DETAILS
34	P-2	SCREEN AND PUMP BUILDING - PLUMBING - PLAN, DETAILS AND PLANT WATER ISOMETRIC
35	H-1	SCREEN AND PUMP BUILDING - HVAC - PLAN, ROOF PLAN AND DETAILS
36	H-2	BLOWER AND CHEMICAL DOSING BUILDING - HVAC - PLAN AND ROOF PLAN
37	MD-1	STRUCTURAL DETAILS - GENERAL NOTES AND DESIGN LOADS
38	MD-2	STRUCTURAL DETAILS - CONCRETE
39	MD-3	STRUCTURAL DETAILS - CONCRETE
40	MD-4	PIPING DETAILS
41	MD-5	STOP PLATE - DETAILS AND SCHEDULES
42	MD-6	FLOOR PLATE, GRATING DETAILS AND SCHEDULES
43	MD-7	PIPE RAILING AND SUPPORT DETAILS
44	MD-8	DOOR AND WINDOW DETAILS AND ROOM FINISH SCHEDULE
45	MD-9	STAIR AND LADDER - SCHEDULES AND DETAILS
46	MD-10	MANHOLE, TRENCH AND CATCH BASIN DETAILS
47	MD-11	FLOOR DOOR DETAILS AND SCHEDULE, GUARDPOST AND POST HYDRANT

**VILLAGE OF MONROEVILLE, OHIO
WWTP IMPROVEMENTS
CONTRACT 1**

5					
4					
3					
2					
1					
NO. DATE	DESIGNED FOR BID	DESIGNED	DRAWN	CHECKED	BY
1	ISSUED FOR BID	PEF	RGW	DWM	
DATE:	JANUARY 2012				

**INDEX, LEGEND
AND LOCATION MAP**

JOB NO. 866-6498.001	SHEET NO. 1
SCALE NO SCALE	1 of 69

Jones & Henry Engineers, Ltd.