



Pipe Table

NAME	SIZE	LENGTH	SLOPE	MATERIAL
P1.1	36"	230'	1.04%	RCP
P1.2	36"	15'	0.72%	RCP
P1.3	36"	136'	1.67%	RCP
P2.1	12"	24'	0.50%	RCP
P3.1	12"	115'	2.63%	RCP
P3.2	12"	66'	7.63%	RCP
P4.1	12"	21'	0.47%	RCP
P5.1	12"	38'	0.50%	RCP
P6.1	8"	30'	2.40%	SCH 40
P7.1	6"	34'	0.50%	DRAINTILE
P7.2	6"	43'	0.50%	DRAINTILE
P7.3	6"	38'	0.25%	DRAINTILE

STRUCTURE TABLE

STRUCTURE NAME:	SIZE	RIM	PIPES IN:	PIPES OUT	CASTING:
1.1	6' DIA. MH	895.94	P1.1, 36" INV IN =891.00		NEENAH R-1550
1.2	45" BEND	896.98	P1.2, 36" INV IN =893.40	P1.1, 36" INV OUT =893.40	NEENAH R-2050 TYPE D
1.3	6' DIA. CB	898.50	P1.3, 36" INV IN =893.51	P1.2, 36" INV OUT =893.51	NEENAH R-2050 TYPE D
2.1	4' DIA. CB	897.66		P2.1, 12" INV OUT =892.62	NEENAH R-2050 TYPE D
3.1	4' DIA. MH	894.25	P3.1, 12" INV IN =893.00		12" APRON ENDWALL
3.2	4' DIA. CB	900.67	P3.2, 12" INV IN =895.00	P3.1, 12" INV OUT =896.00	NEENAH R-2050 TYPE D
3.3	4' DIA. CB	905.41	P6.1, 8" INV IN =900.50	P3.2, 12" INV OUT =900.00	NEENAH R-2050 TYPE D
4.1	4' DIA. CB	892.84	P4.1, 12" INV IN =886.80		NEENAH R-1550
4.2	3' DIA. CB	891.00	P7.3, 6" INV IN =886.91	P4.1, 12" INV OUT =886.90	HAALA CG36TM
5.1	4' DIA. CB	895.27	P5.1, 12" INV IN =889.56		NEENAH R-1550
5.2	3' DIA. CB	893.00	P7.2, 6" INV IN =889.79 P7.1, 6" INV IN =889.83	P5.1, 12" INV OUT =889.75	HAALA CG36TM
C.O. 1	CLEAN OUT	893.50		P7.1, 6" INV OUT =890.00	-
C.O. 2	CLEAN OUT	893.50		P7.2, 6" INV OUT =890.00	-
C.O. 3	CLEAN OUT	890.50		P7.3, 6" INV OUT =887.00	-
EX CB1	CONNECT TO EXISTING STRUCTURE	899.35		P1.3, 36" INV OUT =895.77	-
EX CB2	CONNECT TO EXISTING STRUCTURE	898.86	P2.1, 12" INV IN =892.50		-
ROOF1	CONNECT TO ROOF DRAIN	907.00		P6.1, 8" INV OUT =901.21	-

UTILITY NOTES

- CONTRACTOR SHALL CALL DIGGERS HOTLINE PRIOR TO ANY CONSTRUCTION.
- ALL EXISTING UTILITIES SHOWN ON THE PLAN ARE APPROXIMATE AND WERE FIELD LOCATED FROM GROUND MARKING OR BASED OFF OF CITY UTILITY RECORDS. THE LOCATIONS ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND SHOULD BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
- ALL SITE UTILITY WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST ADDITION.
- PRIOR TO CONSTRUCTION, CONTRACTOR SHALL OBTAIN A STREET OPENING PERMIT FOR ANY WORK TO BE DONE WITHIN THE RIGHT-OF-WAY.
- CONTRACTOR SHALL OBTAIN ALL NECESSARY PLUGGING/CONNECTION PERMITS FROM THE CITY OF MADISON PRIOR TO ANY UTILITY WORK. CONTRACTOR TO NOTIFY THE PUBLIC WORKS DEPARTMENT A MINIMUM OF 48 HOURS BEFORE CONNECTING TO PUBLIC UTILITIES.
- RESTORATION OF PAVEMENT, CURB & GUTTER, AND SIDEWALK WITHIN THE STREET RIGHT OF WAY IS CONSIDERED INCIDENTAL AND SHALL BE INCLUDED IN THE COST OF THE UNDERGROUND IMPROVEMENTS.
- ALL STORM SEWER PIPE TO BE RCP CLASS III REINFORCED CONCRETE WITH RUBBER GASKETS OR SCHEDULE 40 PVC AS NOTED.
- CONTRACTOR SHALL CONFIRM CONNECTION ELEVATION GRADES OF ALL PIPES PRIOR TO BEGINNING CONSTRUCTION.
- WATER MAIN SHALL BE DUCTILE IRON, CLASS 52.
- SANITARY SEWER SERVICES SHALL BE SDR-35 PVC.
- ANY PERSON WHO INSTALLS A NONCONDUCTIVE WATER OR SEWER LATERAL MUST ALSO INSTALL A LOCATION WIRE OR OTHER EQUALLY EFFECTIVE MEANS FOR MARKING THE LOCATION OF THE LATERAL. METHOD SHALL BE APPROVED BY THE CITY.
- CONTRACTOR TO COORDINATE NEW, RELOCATED AND/OR ABANDONED GAS, ELECTRIC, TELEPHONE, AND CABLE WITH APPROPRIATE UTILITY COMPANIES.
- UTILITIES SERVING PROPOSED BUILDINGS SHALL BE STUBBED INTO THE PROPOSED BUILDING(S) A MIN. OF 5' AND STAKED.
- ALL WATER MAIN PIPE AND FITTINGS SHALL BE INSTALLED TO A MIN. DEPTH OF COVER OF 6.5'. AFTER REGRADING, EXISTING WATER MAIN PIPE WHICH DOES NOT MEET THIS REQUIREMENT SHALL BE INSULATED.
- STORM SEWERS WHICH CROSS AN ACTIVE SEWER OR WATER MAIN OR LATERAL SHALL HAVE A MINIMUM CLEAR VERTICAL CLEARANCE OF THREE (3) FEET. CROSSINGS WITH LESSER VERTICAL CLEARANCE SHALL BE PROTECTED FROM FROST DAMAGE BY PLACEMENT OF 2-INCH THICK POLYSTYRENE BOARD INSULATION.
- BUILDING PLUMBER SHALL VERIFY SIZE, SLOPE, AND EXACT LOCATION OF PROPOSED SANITARY LATERALS AND WATER SERVICES PRIOR TO INSTALLATION.

PLAN KEY

- CONNECT TO EXISTING WATER MAIN. COORDINATE INSTALLATION WITH MADISON WATER UTILITY
- 1028' - 8" D.I. PUBLIC WATER MAIN PER CITY OF MADISON REQUIREMENTS
- 65' - 8" D.I. WATER SERVICE WITH VALVE, VERIFY SIZE WITH ARCHITECT
- 8" WATER VALVE
- HYDRANT AND VALVE PER CITY OF MADISON REQUIREMENTS
- 6" SANITARY LATERAL 25 FT @ 2.0% MIN. SLOPE
- RELOCATE EXISTING GAS LINE
- CONNECT TO ROOF DRAINAGE SYSTEM
- CONNECTION TO EXISTING MANHOLE TO BE INSTALLED WITH A CORED HOLE AND BOOT
- UTILITY PATCH PER CITY REQUIREMENTS
- REROUTE EXISTING MMSD SANITARY SEWER AROUND BUILDING AS SHOWN
- REROUTE EXISTING CITY OF MADISON STORM SEWER AS SHOWN
- EXISTING 10' WIDE EASEMENT AGREEMENT FOR SANITARY AND STORM SEWER DOC. NO. 1582502 (DESCRIPTION HAS DISCREPANCIES, INTERPRETED LOCATION)
- EXISTING PERMANENT EASEMENT FOR STORM SEWER CONNECTION DOC. NO. 3262263
- EXISTING EXCLUSIVE EASEMENT FOR PARKING DOC. NO. 1763388 INCLUDING A NON-EXCLUSIVE EASEMENT FOR INGRESS AND EGRESS OVER THE DRIVES AND PARKING OF THE PROPERTY
- EXISTING EASEMENT AGREEMENT FOR SANITARY AND STORM SEWER PURPOSES DOC. NO. 1600014
- 65' - 4" D.I. WATER SERVICE WITH VALVE, VERIFY SIZE WITH ARCHITECT
- NORTH TRANSFORMER
- GENERATOR
- PROPOSED 20' PUBLIC WATER MAIN EASEMENT - 10' OFFSET FROM CENTER LINE OF WATER MAIN
- UNDERGROUND GREASE INTERCEPTOR
- SOUTH TRANSFORMER

LEGEND

- T — T — T — EX TELEPHONE
- SAN — EX SANITARY SEWER
- E — E — EX ELECTRIC
- W — W — W — EX WATER
- G — G — G — EX GAS UNDERGROUND
- — — — EX STORM SEWER
- FO — — — — EX FIBER OPTIC

ISSUANCE/REVISION	
CITY SUBMITAL	
DATE	06-04-12

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