

EXISTING	LEGEND	PROPOSED
-----	PROPERTY LINE	-----
-----	RIGHT-OF-WAY	-----
-----	EASEMENT	-----
-----	BUILDING SETBACK	-----
-----	TEMPORARY EASEMENT	-----
-----ELEV-----	MAJOR CONTOUR (5')	-----ELEV-----
-----ELEV-----	MINOR CONTOUR (1')	-----ELEV-----
-----C-----	STORM SEWER	-----C-----
-----	UNDERDRAIN PIPE	-----
○	STORM MANHOLE	●
○	CATCH BASIN	●
□	INLET	■
▽	FLARED END SECTION	▽
⊙	STORM CLEANOUT	⊙
⊙	DOWNSPOUT	⊙
-----	SANITARY SEWER	-----
-----	SANITARY SERVICE	-----
⊙	SANITARY MANHOLE	⊙
⊙	SANITARY CLEANOUT	⊙
W	WATERMAIN	W
⊗	WATER SERVICE / FIRE	⊗
⊗	VALVE VAULT	⊗
⊗	FIRE HYDRANT	⊗
⊗	VALVE BOX	⊗
⊗	BUFFALO BOX	⊗
⊗	MONITORING WELL	⊗
OE	OVERHEAD ELECTRIC	OE
UE	UNDERGROUND ELECTRIC	UE
⊕	POWER POLE	⊕
⊕	POWER POLE W/ LIGHT	⊕
⊕	ELECTRIC MANHOLE	⊕
⊕	ELECTRIC METER	⊕
⊕	ELECTRIC SPLICE BOX	⊕
T	TELEPHONE	T
⊕	TELEPHONE POLE	⊕
⊕	TELEPHONE VAULT	⊕
TV	TELEPHONE SPLICE BOX	TV
FOC	CABLE TELEVISION	FOC
⊕	FIBER OPTIC CABLE	⊕
⊕	CABLE SPLICE BOX	⊕
G	GAS	G
⊕	GAS METER	⊕
⊕	GAS VALVE	⊕
⊕	GAS REGULATOR	⊕
⊕	GAS PUMP	⊕
OIL	OIL	OIL
⊕	TRAFFIC SIGNAL	⊕
⊕	TRAFFIC SIGNAL ARM	⊕
⊕	STREET SIGN	⊕
⊕	SIGN AND POST	⊕
X	FENCE	X
●	GUARDRAIL	●
●	HANDRAIL	●

SANITARY SEWER NOTES

- All floor drains shall discharge to the sanitary sewer system.
- All downspouts and footing drains shall discharge to the storm sewer system.
- All sanitary sewer pipe materials and joints (and storm sewer pipe materials and joints in a combined sewer area) shall conform to:

Pipe Material Spec.	Joint Spec.
Vitrified Clay Pipe	
VCP C-700	C-425
VCP (No-Bell) C-700	
Joint	C-425
Collar	D-1784
Concrete Pipe C-14	C-443
RCP C-76	C-443
ACP C-428	D-1869
ABS Sewer Pipe	
Solid Wall 6" dia.	SDR 23.5
ABS D-2751	D-2751
ABS Composite/Truss Pipe	
8"-15" dia.	
ABS D-2680	D-2680
PVC Gravity Sewer Pipe	
6"-15" dia, SDR 26	
D-3034	D-3212 or D-2855
18"-27" dia. F/dy=46	
F-679	D-3212 or D-2855
CISP A-74	C-564
DIP A-21.51	A-21.11
- All sanitary sewer construction (and storm sewer construction in combined sewer areas), requires stone bedding with stone 1/4" to 1" in size, with minimum bedding thickness equal to 1/4 the outside diameter of the sewer pipe, but not less than four (4) inches nor more than eight (8) inches. Material shall be CA-11 or CA-13 and shall be extended at least 12" above the top of the pipe when using PVC.
- "Band Seal" or similar flexible-type couplings shall be used in the connection of sewer pipes of dissimilar materials.
- When connecting to an existing sewer main by means other than an existing wye, tee, or an existing manhole, one of the following methods shall be used:
 - Circular saw-cut of sewer main by proper tools ("Shower-Tap" machine or similar) and proper installation of hubwye saddle or hub-tee saddle.
 - Remove an entire section of pipe (breaking only the top of one bell) and replace with a wye or tee branch section.
 - With pipe cutter, neatly and accurately cut out desired length of pipe for insertion of proper fitting, using "Band Seal" or similar couplings to hold it firmly in place.
- Whenever a sanitary/combined sewer crosses under a watermain, the minimum vertical distance from the top of the sewer to the bottom of the watermain shall be 18 inches. Furthermore, a minimum horizontal distance of 10 feet between sanitary/combined sewers and watermains shall be maintained unless: the sewer is laid in a separate trench, keeping a minimum 18" vertical separation; or the sewer is laid in the same trench with the watermain located at the opposite side on a bench of undisturbed earth, keeping a minimum 18" vertical separation. If either the vertical or horizontal distances described above cannot be maintained, or the sewer crosses above the watermain, the sewer shall be constructed to watermain standards.
- All sanitary manholes, (and storm manholes in combined sewer areas), shall have a minimum inside diameter of 48 inches, and shall be cast in place or pre-cast reinforced concrete.

VERTICAL DATUM: NAVD88

HIGHWAY STANDARDS

001006	DECIMAL OF AN INCH AND OF A FOOT
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
424001-07	PERPENDICULAR CURB RAMPS
424006-01	DIAGONAL CURB RAMPS
424016-01	MIDBLOCK CURB RAMPS
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
602001-02	CATCH BASIN TYPE A
602011-02	CATCH BASIN TYPE C
602301-03	INLET TYPE A
602401-03	MANHOLE TYPE A
602601-02	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
604001-03	FRAMES AND LIDS TYPE 1
604051-03	FRAME AND GRATE TYPE 11
606001-05	CONCRETE CURB TYPE B & COMBINATION CURB & GUTTER
701502-05	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701801-05	SIDEWALK, CORNER OR SIDEWALK CLOSURE
701901-02	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-03	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPES A & B POSTS (FOR SIGNS & MARKERS)
731001-01	BASE FOR TELESCOPING STEEL SIGN SUPPORT
780001-03	TYPICAL PAVEMENT MARKINGS
836001-02	LIGHT POLE FOUNDATION