

**SANITARY SEWER STRUCTURE SCHEDULE (For Existing Manholes)**

EXISTING STRUCTURE NUMBER	INLET INVERT ELEVATION	OUTLET INVERT ELEVATION	TOP OF CASTING ELEVATION
9 EXTG.	620.93 E	620.82 W	636.00
PROP.	621.68 NE	621.57 W	635.77
10 EXTG.	622.76 S	622.43 SW	643.60
PROP.	622.68 NE	622.43 SW	636.56
17 EXTG.	628.16 S	628.16 N	640.40
PROP.	628.16 S	628.16 N	640.40
18 EXTG.	629.12 E	629.12 N	640.17
PROP.	636.90 SE	629.12 N	644.50
DROP TO	630.00		
PROP.	633.32 SE		
DROP TO	630.00		
19 EXTG.	630.57 E	630.57 W	640.09
PROP.	630.57 E	630.57 W	643.50

\* PLUG EXTG. 8" STUBS AND BUILD NEW FLOW CHANNEL

**SANITARY SEWER STRUCTURE SCHEDULE (For Proposed Manholes)**

PROPOSED STRUCTURE NUMBER	INLET INVERT ELEVATION	OUTLET INVERT ELEVATION	TOP OF CASTING ELEVATION
1A	623.31 S	623.41 NW	642.48
1B	626.48 S	625.01 N	642.55
DROP TO	626.00		
1C	627.95 SE	627.85 N	642.10
1D (6" DIA.)	630.07 SE	629.97	659.89
PROP.	636.53 NE		
DROP TO	630.50		
1E	631.19 SE	631.09 NW	643.80
1F	632.85 E	632.75 NW	643.43
1G	633.70 E	633.80 W	643.29
1H	635.63 N	635.53 W	644.23
* 1I	637.90 S	637.90 S	644.75
2A	638.02 W	628.00 E	642.24
* 2B	638.02 W	638.02 W	644.25
3A	639.56 E	639.56 E	642.50
* 4A	639.00 SW	639.00 SW	662.56
* 5A	639.00 S	639.00 S	643.60
6A	639.80 SE	629.00 N	643.90
6B	639.10 SW	639.10 SW	643.50
6C	633.96 S	631.76 NW	644.27
DROP TO	632.00		
DROP TO	632.00		

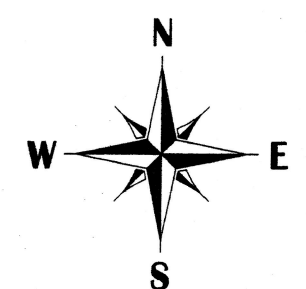
\* SEE NOTE 6

**NOTES**

- EASEMENTS SHALL BE ESTABLISHED FOR ALL SANITARY SEWERS AS FOLLOWS:  
 SEWER LINES 0-12 FT. DEEP - 20 FT. EASEMENT  
 SEWER LINES 12-18 FT. DEEP - 30 FT. EASEMENT  
 SEWER LINES 18-24 FT. DEEP - 40 FT. EASEMENT  
 SEWER LINES 24-30 FT. DEEP - 50 FT. EASEMENT
- ALL CONSTRUCTION MATERIALS SHALL CONFORM TO THE CITY OF GRANDVILLE CURRENT STANDARDS, SPECIFICATIONS, AND DETAILS.
- NO CONNECTION RECEIVING STORMWATER OR GROUNDWATER SHALL BE MADE TO THE SANITARY SEWER.
- ALL ELEVATIONS SHALL BE BASE ON U.S.G.S. DATUM.
- EXISTING MANHOLES 12, 13, 14, 15, 16, & 16A ARE TO BE RECONSTRUCTED AS SHOWN ON DRAIN RELOCATION AND UTILITY DETAIL SHEETS.
- SERVICE LEADS ARE TO BE CONSTRUCTED TO 5' FROM OUTSIDE WALL ON LOWER LEVEL, AND 30' FROM OUTSIDE WALL ON UPPER LEVEL. CAP AND MARK WITH 4x4 POST. FIELD VERIFY SERVICE INLET LOCATION AND ELEVATION PRIOR TO INSTALLATION OF MANHOLE.
- ALL SANITARY PIPE MATERIAL SHALL BE A.B.S. COMPOSITE OR P.V.C. TRUSS PIPE, EXCEPT WHERE DUCTILE IRON CLASS 53 IS NOTED ON THE PLAN.
- SEE SANITARY CATCH BASIN DETAIL ON SHEET 35 - RETAINING WALL & PARKING STRUCTURE LAYOUT.

**LEGEND**

- PROPOSED SANITARY SEWER
- PROPOSED MANHOLE
- STORM SEWER LINE
- WATER MAIN
- CATCH BASIN



site sanitary utility plan

SCALE: 1" = 100'

ISSUED FOR CONSTRUCTION : 2-6-98