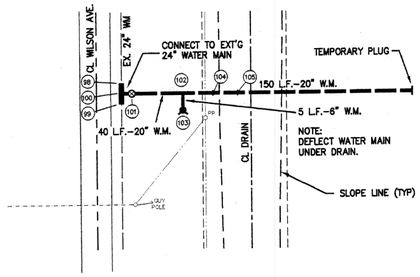
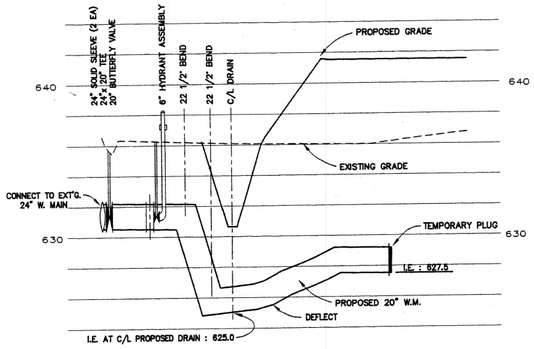


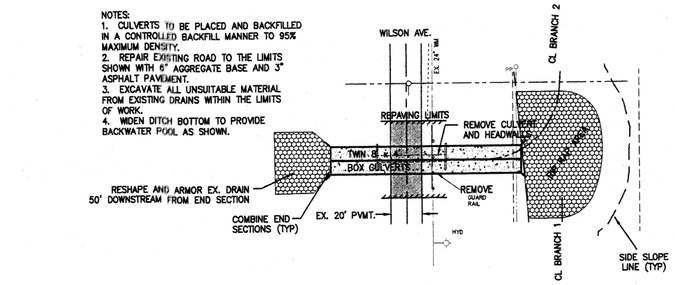
Plan View



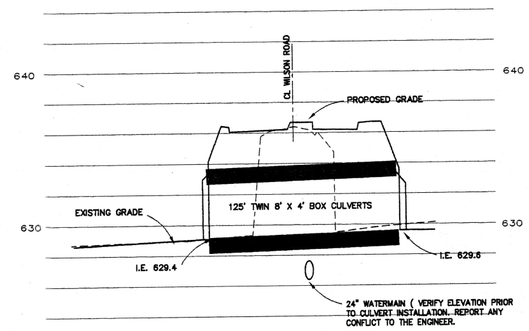
Profile

DETAIL - ENLARGEMENT 1

SCALE HORIZ. 1" = 40', VERT. 1" = 4'



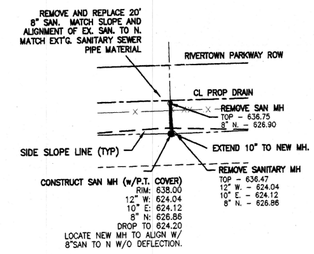
Plan View



Profile

DETAIL - ENLARGEMENT 2

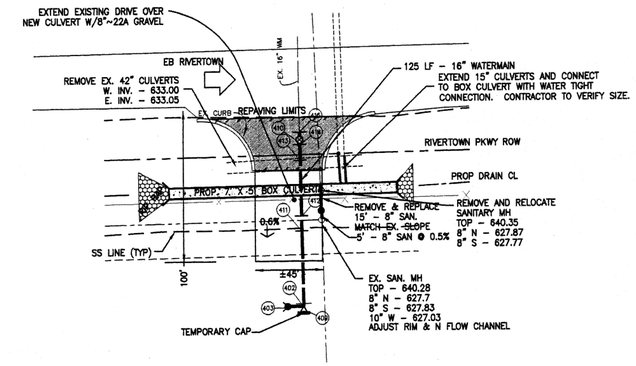
SCALE HORIZ. 1" = 40', VERT. 1" = 4'



Plan View

DETAIL - ENLARGEMENT 3

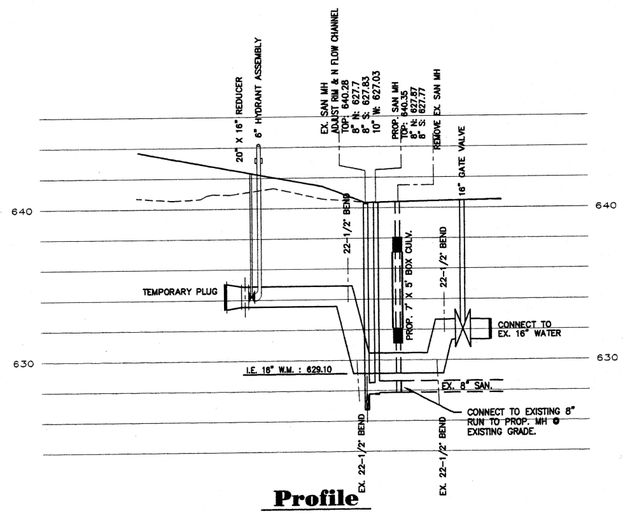
SCALE HORIZ. 1" = 40'



NOTES:
1. REMOVE 82' EX. 16" WATERMAIN SOUTH OF TIE IN. SALVAGE THE 16" VALVE, HYDRANT, AND 20 X 16 REDUCER FOR THE CITY OF GRANDVILLE.

2. COORDINATE WATERMAIN SHUTOFF WITH THE CITY OF GRANDVILLE.

Plan View



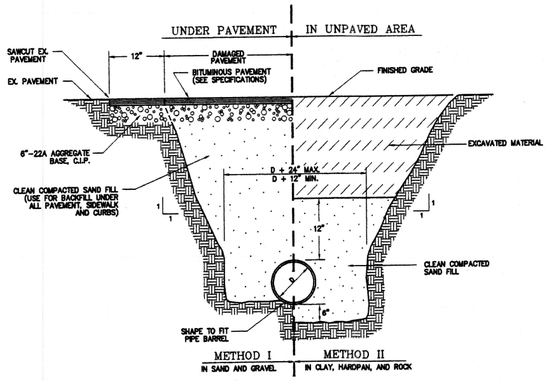
Profile

DETAIL - ENLARGEMENT 4

SCALE HORIZ. 1" = 40', VERT. 1" = 4'

WATER MAIN FITTING SCHEDULE

NUMBER	DESCRIPTION
98	24" SOLID SLEEVE
99	24" SOLID SLEEVE
100	24" x 20" TEE
101	24" BUTTERFLY VALVE
102	20" x 8" TEE
103	6" HYDRANT ASSEMBLY
104	20"-22½° VERTICAL BEND
105	20"-22½° VERTICAL BEND
402	16" x 6" TEE
403	6" HYDRANT ASSEMBLY
409	20" x 16" REDUCER
410	16" GATE VALVE
411	16"-22½° VERTICAL BEND
412	16"-22½° VERTICAL BEND
413	16"-22½° VERTICAL BEND
414	16"-22½° VERTICAL BEND
415	16" SOLID SLEEVE



TRENCH DETAIL

NO SCALE

NOTES

1. ALL CONSTRUCTION MATERIALS SHALL CONFORM TO THE CITY OF GRANDVILLE, 1997 STANDARD CONSTRUCTION SPECIFICATIONS AND DETAILS.

LEGEND

- PROPOSED WATER MAIN
- PROPOSED FIRE HYDRANT
- PROPOSED GATE VALVE
- STORM SEWER LINE
- SANITARY SEWER LINE
- MANHOLE
- CATCH BASIN

utility details sheet

SCALE: AS NOTED

ISSUED FOR CONSTRUCTION : 2-6-98

Gosling Czubak engineering sciences, inc.
1200 Business Park Drive
Traverse City, MI 49686-3807
616-946-9191
800-968-9191
Fax: 616-941-4633
Engineers • Surveyors
Environmental Services

By:

Revision:

No.	Date:
1	
2	
3	
4	
5	
6	

Date: 2-6-98
Scale: AS NOTED
Drawn By: TDN/TJB
Checked By: TDN/DAC

Location: PART OF THE NORTH 1/2 OF SECTION 34, T. 5 N., R. 12 W., CITY OF GRANDVILLE KENT COUNTY, MICHIGAN

Sheet Title: **UTILITY DETAILS SHEET**

Project: **RiverTown Crossings**

Project No. 96300.09

Sheet 8 of 36