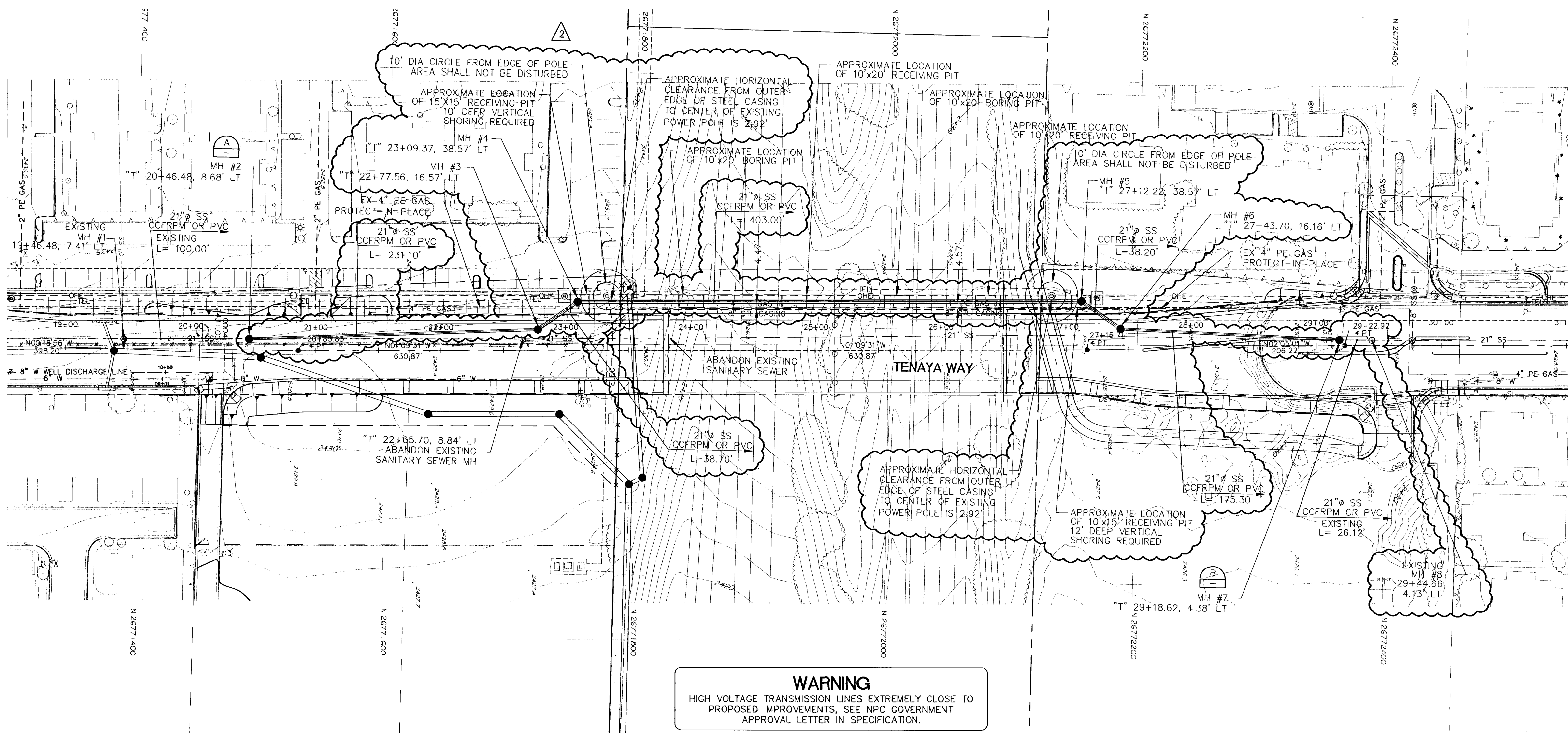
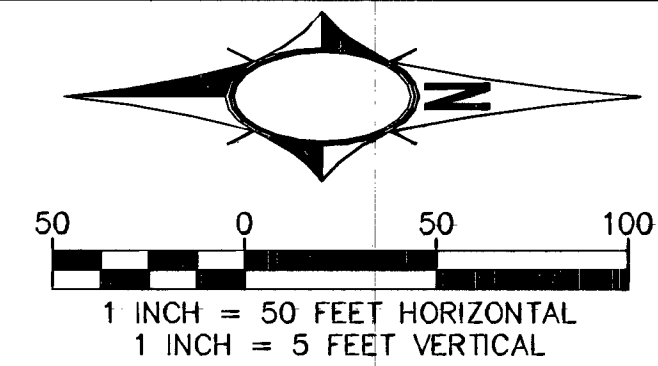
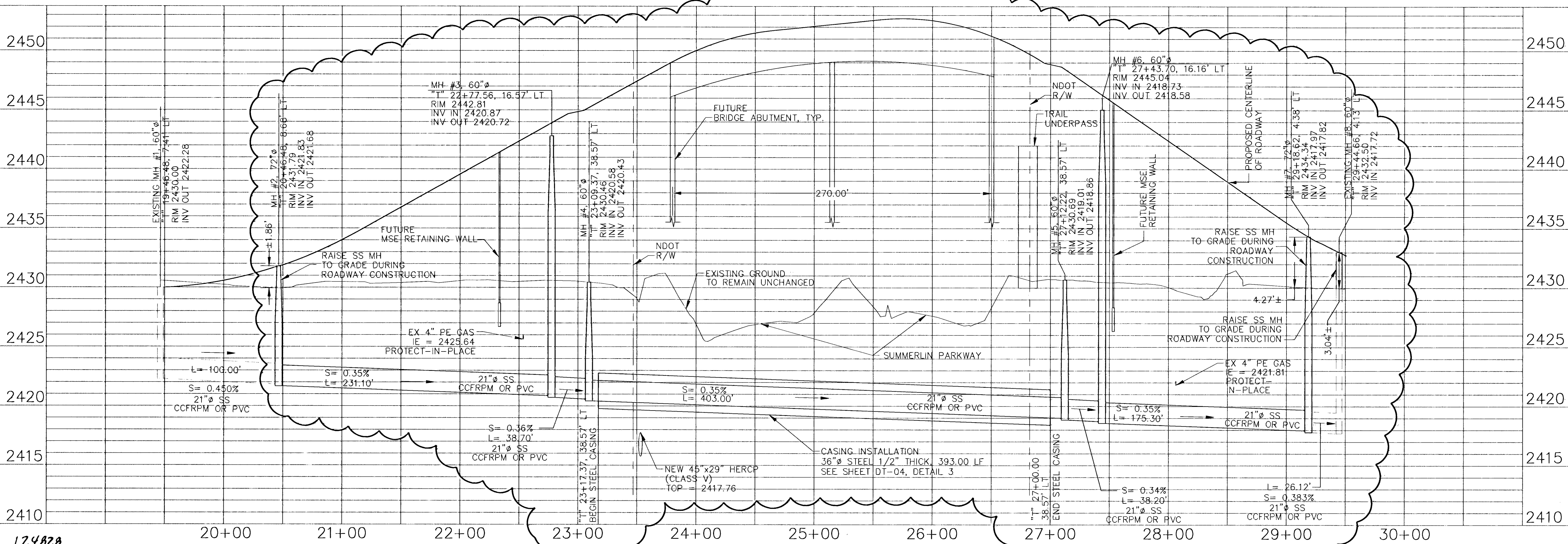


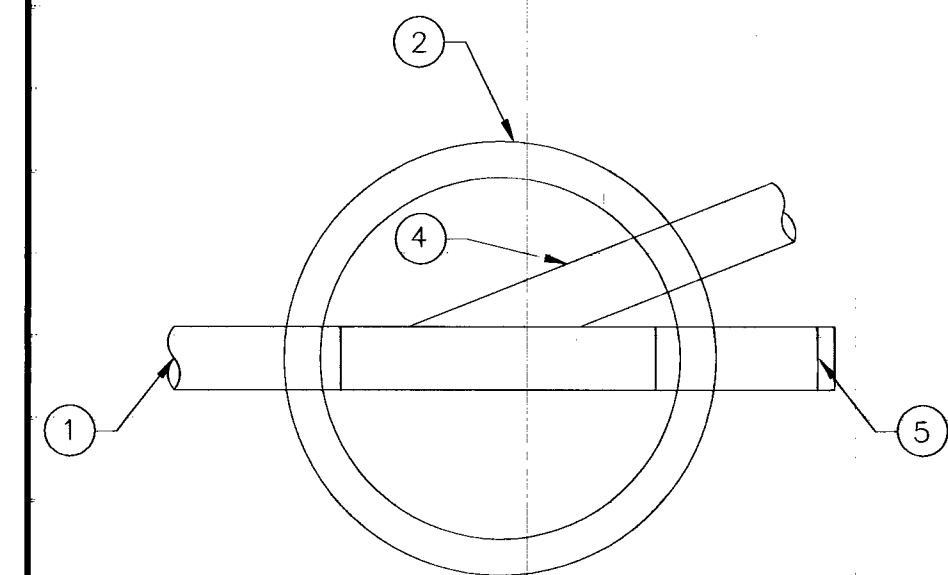


WARNING
HIGH VOLTAGE TRANSMISSION LINES EXTREMELY CLOSE TO PROPOSED IMPROVEMENTS, SEE NPC GOVERNMENT APPROVAL LETTER IN SPECIFICATION.

2 MARCH 3, 2009

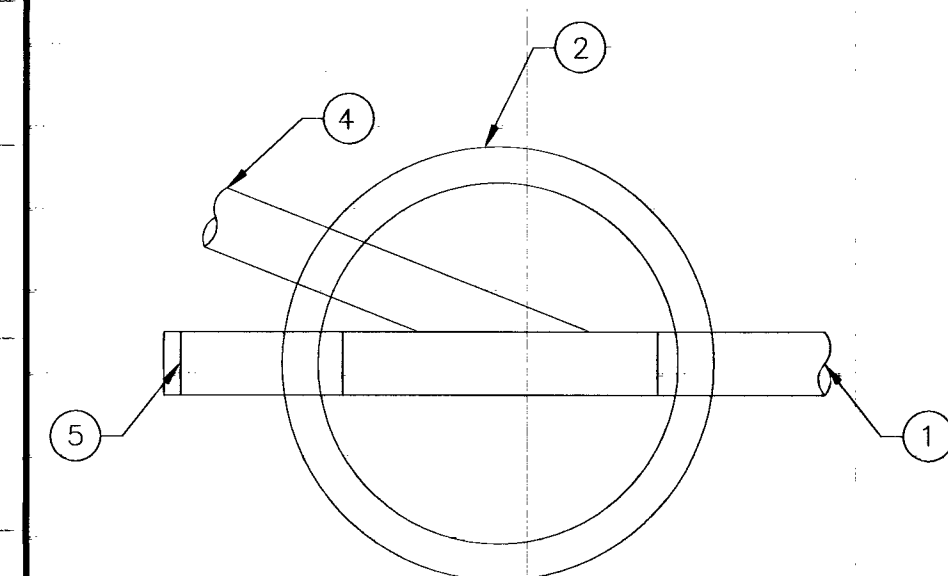


SANITARY SEWER TO BE RELOCATED PRIOR TO BRIDGE AND ROADWAY CONSTRUCTION



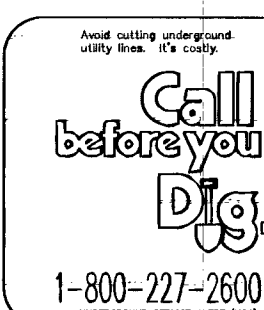
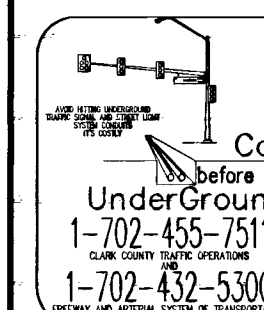
SANITARY SEWER CONNECTION DETAIL A
NTS

- NOTES: FOLLOW THE BELOW CONSTRUCTION SEQUENCE
1. EXISTING SANITARY SEWER SHALL REMAIN IN SERVICE DURING MANHOLE CONSTRUCTION.
 2. CONSTRUCT MANHOLE BASE.
 3. CONSTRUCT MANHOLE OVER EXISTING PIPE WITH A KNOCK OUT FOR THE NEW PIPE.
 4. CONNECT NEW PIPE INTO THE MANHOLE.
 5. PLUG THE EXISTING PIPE, REMOVE SECTION OF EXISTING PIPE, AND PLACE NEW PIPE INTO SERVICE.
 6. RAISE SS MANHOLE TO GRADE DURING ROADWAY CONSTRUCTION.



SANITARY SEWER CONNECTION DETAIL B
NTS

- NOTES: FOLLOW THE BELOW CONSTRUCTION SEQUENCE
1. EXISTING SANITARY SEWER SHALL REMAIN IN SERVICE DURING MANHOLE CONSTRUCTION.
 2. CONSTRUCT MANHOLE BASE.
 3. CONSTRUCT MANHOLE OVER EXISTING PIPE WITH A KNOCK OUT FOR THE NEW PIPE.
 4. CONNECT NEW PIPE INTO THE MANHOLE.
 5. PLUG THE EXISTING PIPE, REMOVE SECTION OF EXISTING PIPE, AND PLACE NEW PIPE INTO SERVICE.
 6. RAISE SS MANHOLE TO GRADE DURING ROADWAY CONSTRUCTION.



REVISIONS		NO.	DATE	DESCRIPTION
1	2009	SANITARY SEWER REVISED ALIGNMENT		
2	2009	SANITARY SEWER REVISED ALIGNMENT		

DEPARTMENT OF PUBLIC WORKS
ENGINEERING DESIGN SECTION
CITY ENGINEER: JORGE GERVANTES, P.E.
PROGRAM MANAGER: MARK SORESENSEN, P.E.
DESIGNED BY: AE
DRAWN BY: AE
CHECKED BY: MC
HDR Engineering, Inc.
DATE: 1/2008

TENAYA WAY OVERPASS AT SUMMERLIN PKWY
SANITARY SEWER PLAN AND PROFILE
SHEET: 97 of 96

SS-01
DRAWING NO. 1074452