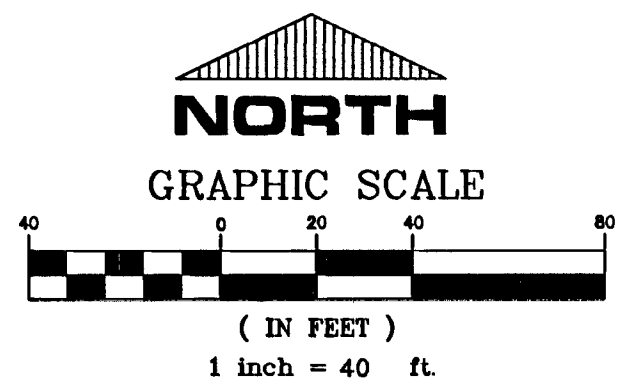
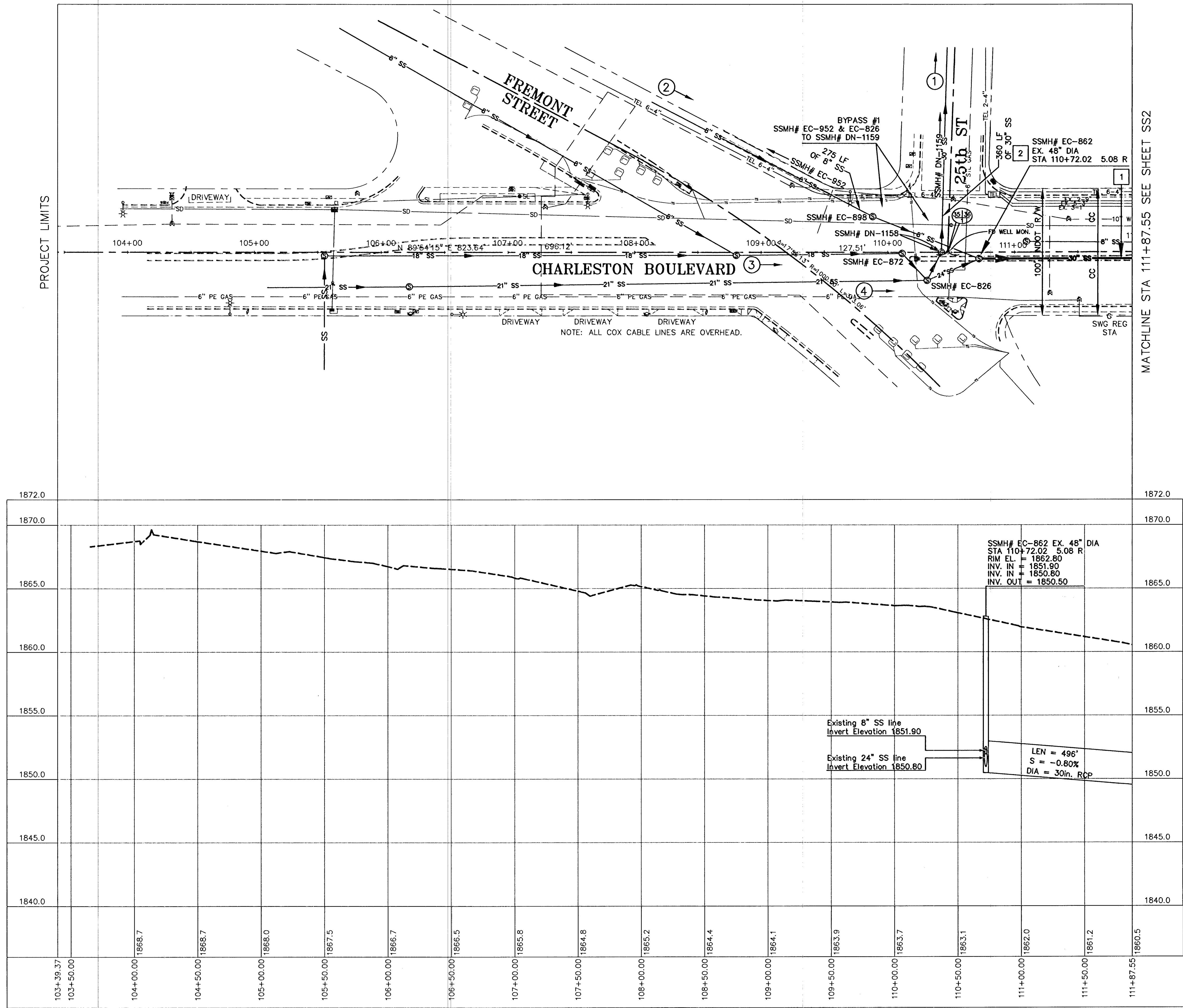
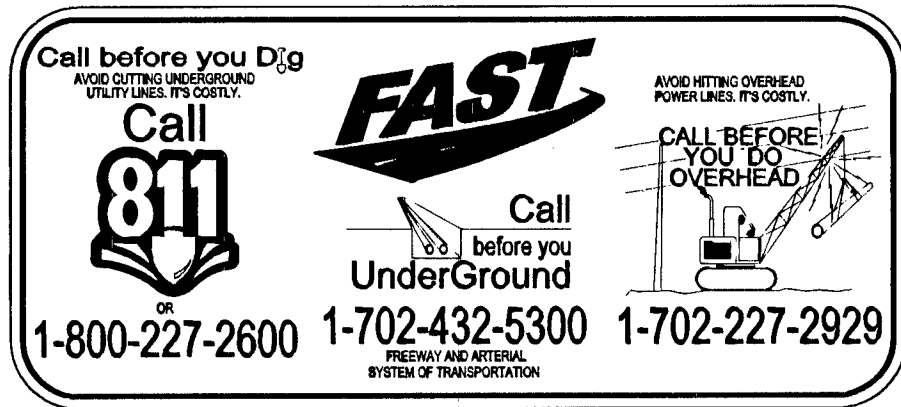




CONSTRUCTION KEY NOTES

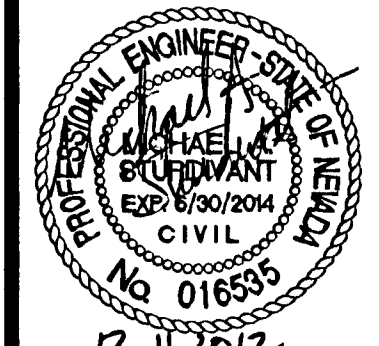
- 1 INSTALL NEW 30-INCH CIPP LINER IN EXISTING PIPE PER DETAIL SHOWN IN RELINE SCHEDULE.
- 2 INSTALL COATING IN EXISTING 48-INCH MANHOLE PER SECTION 691 OF SPECIAL PROVISIONS.
- 3 INSTALL NEW 27-INCH CIPP LINER IN EXISTING PIPE PER DETAIL SHOWN IN RELINE SCHEDULE.
- 4 INSTALL COATING IN EXISTING 10'8" x 8" JUNCTION STRUCTURE PER SECTION 691 OF SPECIAL PROVISIONS. SEE JUNCTION BOX AS-BUILT ON SHEET GN FOR REFERENCE.
- 5 REMOVE EXISTING 48-INCH MANHOLE.
- 6 CONSTRUCT 72-INCH MANHOLE PER DCSWCS STANDARD DRAWING SD-1. INSTALL COATING IN MANHOLE PER SECTION 691 OF SPECIAL PROVISIONS.
- 7 INSTALL WATERLINE IN STEEL CASING PER UDACS PLATE NO. 21 & 23. DUCTILE IRON PIPE WITH RESTRAINED JOINTS IS REQUIRED. ANULAR SPACE BETWEEN PIPE AND CASING SHALL BE FILLED WITH CLASS I CLSM.
- 8 REMOVE 800±-SQ.FT. OF EXISTING LEFT TURN MEDIAN ISLAND TO AVOID NEW 72-INCH SEWER MANHOLE. REPLACE 150'-SQ.FT.± OF FULL DEPTH A.C. TO MATCH CONTIGUOUS SECTION PER USD 500.3. RECONSTRUCT LEFT TURN STORAGE PER USD 246. REPLACE 894±-SQ.FT. OF MEDIAN ISLAND PER USD 218 AND DETAIL IN SHEET SS2

ESTIMATED FLOW DATA						
	LOCATION	AVERAGE FLOW (MGD)	PEAKING FACTOR	PEAK FLOW (MGD)	OBSERVED PEAK FLOW (MGD)	WEEK OF OBSERVED PEAK FLOW
①	25TH ST, NORTH OF CHARLESTON BLVD	1.96	2.46	4.81	2.3 2.7	11/3/2010 2/25/2009
②	8" SS IN N SIDE OF FREMONT, W OF 21ST	0.09	3.30	0.30	0.2	12/20/2000
③	18" SS IN CHARLESTON BLVD, W OF 25TH ST	1.99	2.45	4.88		
④	21" SS IN CHARLESTON BLVD, W OF 25TH ST	2.90	2.37	6.86		



DEPARTMENT OF PUBLIC WORKS CAPITAL PROJECT MANAGEMENT

TITLE: CHARLESTON BLVD - FREMONT TO SANDHILL
SANITARY SEWER REHABILITATION



DESIGNED BY: MS
DRAWN BY: BD/BJP/DD
CHECKED BY: JL
DATE: DECEMBER 2012

SHEET: SS1
3 of 14
DRAWING NO. 307v1037

NO.	DATE	DESCRIPTION	APP'D