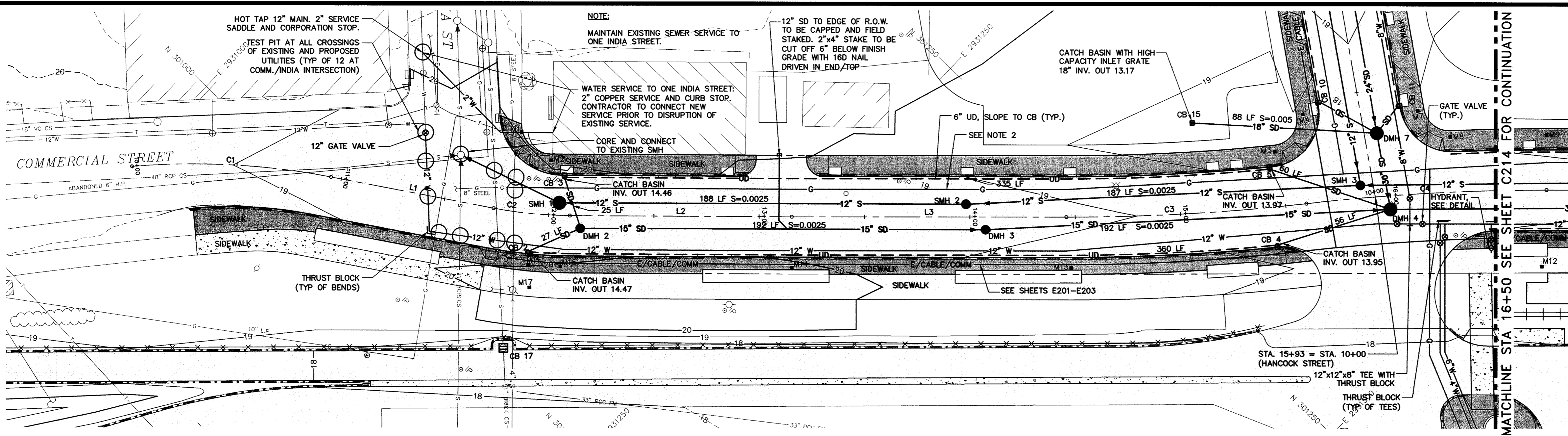
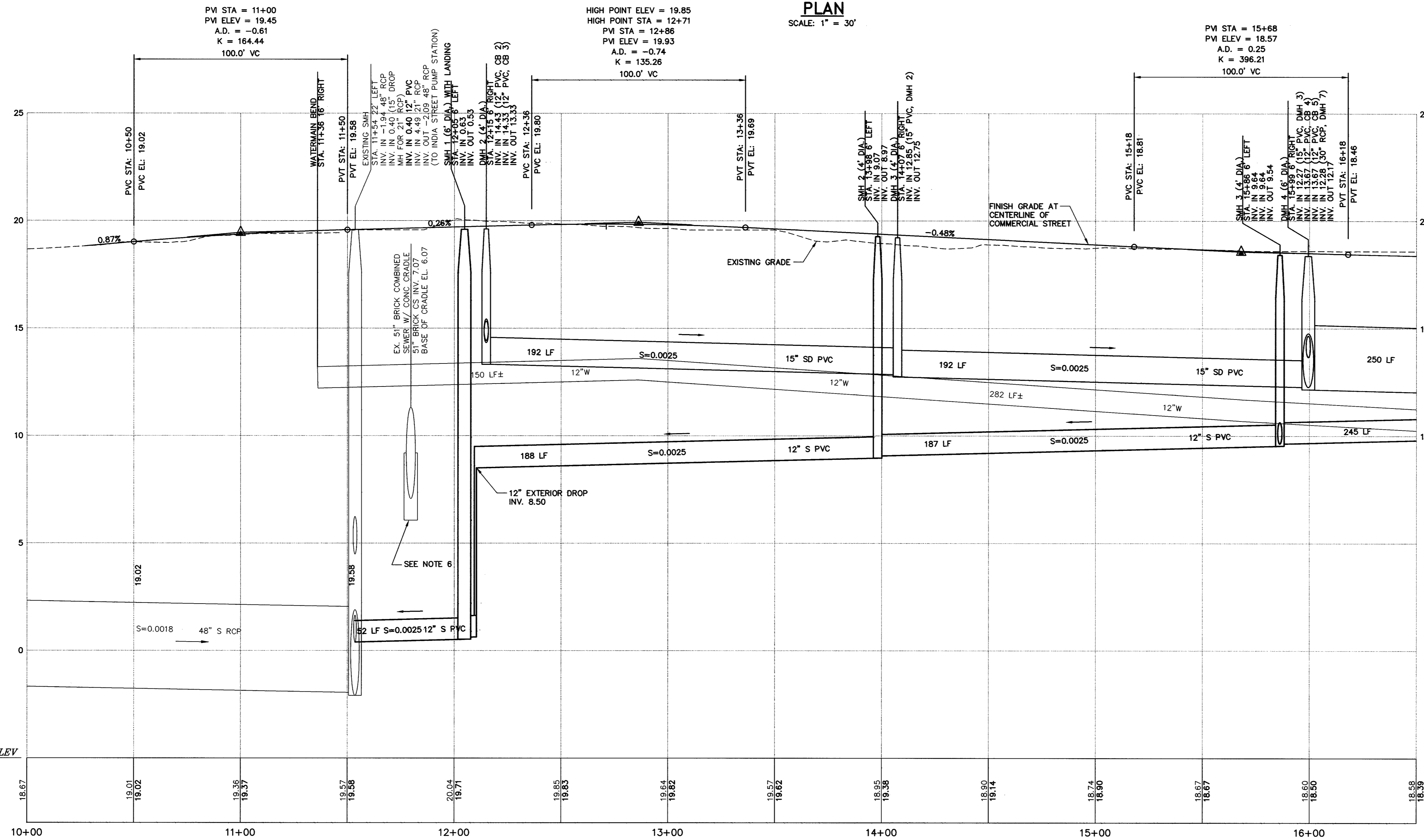


Filename: C:\203438 Ocean Gateway - Phase 1 Engineering\Project Deliverables\2005-01-XX_BID Submittal\CAD Drawings\Civil\20343802-C200E UTIL.dwg, Jan 14, 2005 - 2:52pm



PLAN
SCALE: 1" = 30'



PROFILE
HORIZONTAL SCALE: 1" = 30'
VERTICAL SCALE: 1" = 3'

DRAIN MANHOLE SCHEDULE

STRUCTURE DESIGNATION	RIM	NORTHING	EASTING
DMH 2	19.54	301074.13	2931174.74
DMH 3	19.14	301206.47	2931314.48
DMH 4	18.29	301346.00	2931446.84

CATCH BASIN SCHEDULE

STRUCTURE DESIGNATION	RIM	NORTHING	EASTING
CB 2	19.23	301049.07	2931164.33
CB 3	19.28	301086.41	2931152.78
CB 4	18.24	301296.77	2931419.63
CB 5	18.24	301320.20	2931392.28

SEWER MANHOLE SCHEDULE

STRUCTURE DESIGNATION	RIM	NORTHING	EASTING
SMH 1	19.53	301076.00	2931159.23
SMH 2	19.19	301208.76	2931299.49
SMH 3	18.34	301344.38	2931428.74

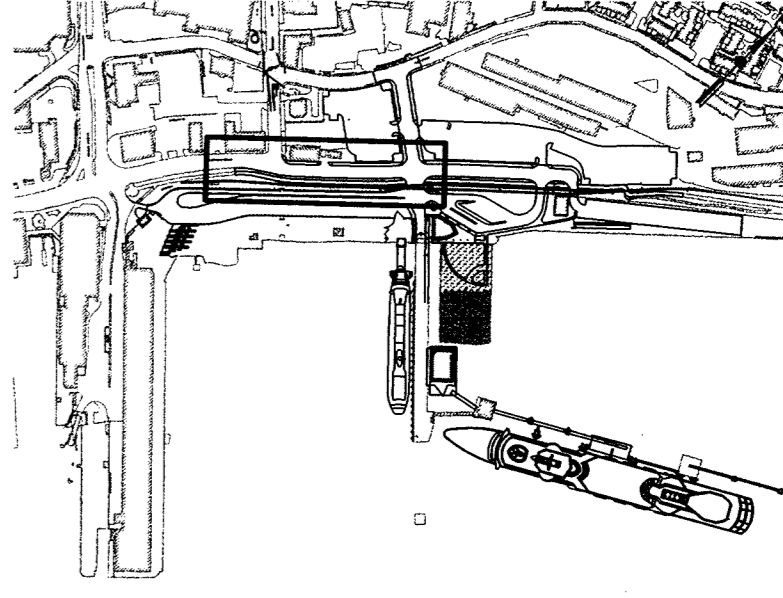
COMMERCIAL STREET ALIGNMENT LINE TABLE

LINE	LENGTH	BEARING	START NORTHING & EASTING	END NORTHING & EASTING
L1	78.58	N57°08'48"E	N 301010.02 E 2931072.36	N 301052.65 E 2931138.37
L2	105.42	N46°41'14"E	N 301075.14 E 2931167.07	N 301147.46 E 2931243.78
L3	130.31	N46°24'59"E	N 301147.46 E 2931243.78	N 301237.29 E 2931338.17

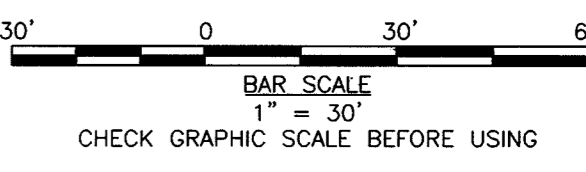
COMMERCIAL STREET ALIGNMENT CURVE TABLE

CURVE	LENGTH	RADIUS	TANGENT	DELTA	PC STA.	PT STA.
C1	95.01	350.00	47.80	15°33'10"	10+00	10+95.01
C2	36.51	200.00	18.31	10°27'34"	11+73.58	12+10.09
C3	114.08	1000.00	57.10	6°32'11"	14+45.82	15+59.90
C4	114.08	1000.00	57.10	6°32'11"	15+59.90	16+73.98

- NOTE:**
- FOR INFORMATION ON HORIZONTAL DATUM, VERTICAL DATUM AND CONTROL POINTS, SEE SHEET C001 AND C101.
 - INSTALLATION OF GAS MAIN AND APPURTENANCES BY NORTHERN UTILITIES. TRENCHING, BEDDING AND BACKFILL BY CONTRACTOR.
 - ALL STORM DRAIN LINES FROM CATCH BASINS TO DMH'S ARE 12" PVC, S=0.005, UNLESS OTHERWISE NOTED.
 - RIM ELEVATIONS PROVIDED FOR INFORMATIONAL PURPOSES. CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING RIM ELEVATIONS IN ACCORDANCE WITH FINISH GRADES.
 - IN THE CASE THAT ALTERNATE 14 "SURFACE COURSE PAVEMENT ON CITY STREETS" IS ACCEPTED, ADJUST RIM ELEVATIONS OF STRUCTURES ACCORDINGLY.
 - CONTRACTOR TO PROVIDE SHORING AND BRACING AS NECESSARY TO SUPPORT 51" BRICK COMBINED SEWER DURING CONSTRUCTION.



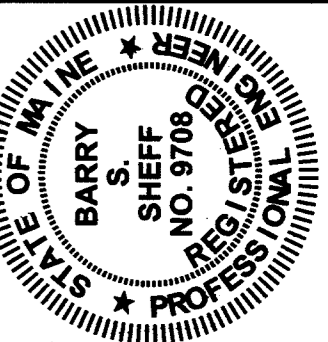
KEY PLAN
SCALE: 1" = 600'



MLLW = 0.00 FT = -4.57 FT NGVD 1929 (CITY DATUM)

WOODARD & CURRAN
Engineering · Science · Operations
41 Hutchins Drive - Portland, Maine 04102

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
PROJECT NUMBER 009215.00
PIN 009215.00



PROJ. MANAGER: PAUL POTTE
DESIGN-DETAILED: DAS
CHECKED-REVIEWED: DAS
DESIGN-DETAILED: DAS
DESIGN-DETAILED: DAS
REVISIONS: 1
REVISIONS: 2
REVISIONS: 3
REVISIONS: 4
FIELD CHANGES

DATE: 01/14/05
BY: JBC
SIGNED: BSS
DATE: 01/14/05
SIGNATURE: [Signature]
P.E. NUMBER: 11465
DATE: 1/14/05

CITY OF PORTLAND
OCEAN GATEWAY PHASE 1
COMMERCIAL STREET PLAN & PROFILE
STA. 10+00 TO STA. 16+50

C213