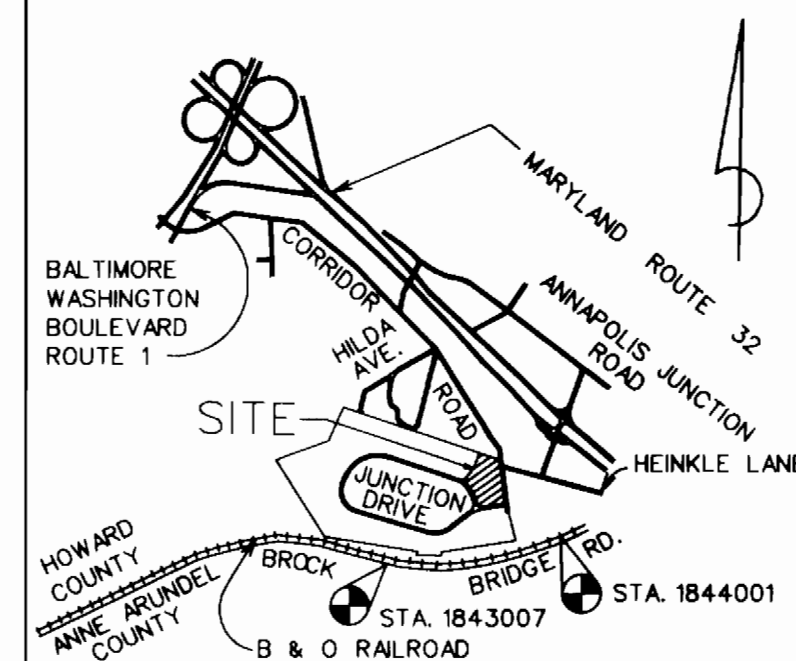


3395 WS/1 Junction Ind. Pk./Bell Atlantic

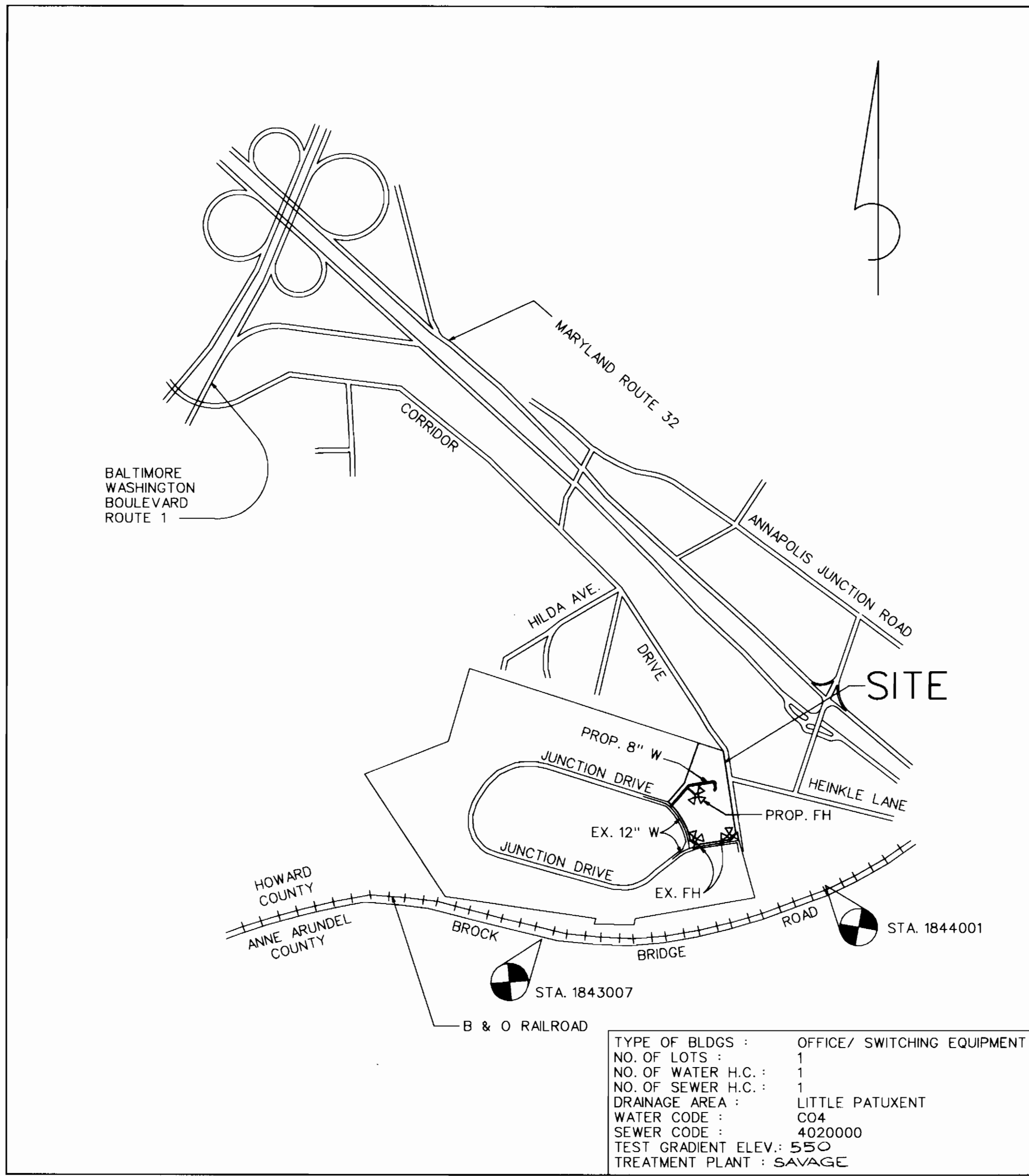
GENERAL NOTES

- Approximate location of existing mains are shown. The contractor shall take all necessary precautions to protect existing mains and services and maintain uninterrupted supply. Any damage incurred shall be repaired immediately to the satisfaction of the Engineer at the Contractor's expense.
- All horizontal controls are based on Maryland State Coordinates.
- All vertical controls are based on U.S.G.S. data.
- All pipe elevations shown are invert elevations.
- Clear all utilities by a minimum of 6". Clear all poles by 2'-0" minimum or tunnels as required. The owner has contacted the utility companies and has made arrangements for bracing of poles as shown on the drawings. In the event the contractor's work requires the bracing of additional poles, any cost incurred by the owner for bracing of additional poles or damages shall be deducted from money owed the contractor. The contractor shall coordinate with the utility companies to schedule the bracing of the poles.
- For details not shown on the drawings, and for materials and construction methods use Howard County Design Manual, Volume IV, Standard Specifications and Detail for Construction (Latest Edition). The contractor shall have a copy of Volume IV on the job.
- Where test pits have been made on existing utilities, they are noted by the symbol at the location of the test pit. A note or notes containing the results of the test pit or pits is included on the drawings. Existing utilities in the vicinity of the proposed work for which test pits have not been dug shall be located by the contractor two weeks in advance of construction operations at his own expense.
- Contractor shall notify the following utility companies or agencies at least five working days before starting work shown on these plans:

State Highway Administration	531-5533
Baltimore Gas & Electric Co. Contractor Services	850-4620
Baltimore Gas & Electric Co. Underground Damage Control	787-9068
Miss Utility	1-800-257-7777
Colonial Pipeline Co.	795-1390
Bureau of Utilities, Howard County Department of Public Works	313-4900
- Trees and shrubs are to be protected from damage to maximum extent. Trees and shrubs located within the construction strip are not to be removed or damaged by the contractor.
- Contractor shall remove trees, stumps and roots along line of excavation. Payment for such removal shall be included in the unit price bid for construction of the main.
- All sewer mains shall be DIP, RCP, VCPX, CSPX, RCCP, and PVC unless otherwise noted.
- All manholes shall be 4'-0" inside diameter unless otherwise noted.
- Force mains shall be DIP only.
- Manhole must be precast concrete structures. (See detail this sheet.)
- Manholes designated W.T. in plan and profile shall have watertight frame and covers, Standard Detail 65.52. Where watertight manhole frame and cover is used, set top of frame 1'-6" above finished grade unless otherwise noted on the drawings.
- All fill areas within future roadway and under structures to be compacted to a minimum of 95% compaction as determined by AASHTO T-180.
- Valves adjacent to tees shall be strapped to tees.
- All water mains to be D.I.P. Class 52 unless otherwise noted.
- Tops of all water mains to have a minimum of 3'-1/2' cover unless otherwise noted.
- All fittings shall be buttressed or anchored with concrete in accordance with the Standard Details unless otherwise provided for on the drawings.
- Fire hydrants shall be set to the bury line elevations shown on the drawings. All fire hydrants shall be restrained and buttressed with concrete in accordance with Standard Details. Soil around the fire hydrant shall be compacted in accordance with Section 1000 and 1005 of the Standard Specifications.
- The contractor shall notify the Bureau of Highways, Howard County, at (410) 313-2450 at least five working days before any open cut of any County road or boring/jacking operation in County roads for laying water/sewer mains or house connections. The approval of these drawings will constitute compliance with DPW requirements per Section 18.114(a) of the Howard County Code.
- The contractor shall not operate any water main valves on the existing water system.
- All water house connections shall be for inside meter setting unless otherwise noted on plans or in specifications.
- Manholes shown with 12" and 16" walls are for brick manholes only.



VICINITY MAP
SCALE : 1" = 2000'



LOCATION MAP
SCALE : 1" = 600'

ITEMS	QUANTITIES ESTIMATED	AS-BUILT		
		QUANTITIES	TYPE	MANUFACTURER/ SUPPLIER
8" x 12" TAPPING SLEEVE & VALVE	1	1 EA	D.I.P. + CAST IRON	KENNEDY/M + H
8" D.I.P.	165 L.F.	418 LF	D.I.P.	GRIFFIN PIPE CO.
FIRE HYDRANT (6'0" BURY)	1	1 EA	CAST IRON	KENNEDY
6" D.I.P.	20 L.F.	20 LF	D.I.P.	GRIFFIN PIPE CO.
8" VALVE	1	1 EA	CAST IRON	KENNEDY
6" D.I.P. (SAH)	25 LF	25 LF	PVC	E.T.I./M.C.
SANITARY MANHOLE	1	1 EA	PRECAST CONC.	CONTRACTORS PRECAST CO.

SURVEY AND DRAFTING DIVISION AS-BUILT DATE J.F.C., INC.
NAME OF UTILITY CONTRACTOR: ?

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE STANDARD SPECIFICATIONS AND SDP 95-31.

THE DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

APPROVED: *John R. Polutan* 12/22/94
HOWARD SOIL CONSERVATION DISTRICT DATE

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

Patricia Coyle 12/22/94
U.S. SOIL CONSERVATION SERVICE DATE

CONTROL REFERENCE

MONUMENT • 1844001
R.B. 27' +/- OFF N. SIDE BROCK BRIDGE RD. 1' BELOW SURF., ELEV. 170.974
MONUMENT • 1843007
R.B. 14' +/- S. OFF CENTERLINE OF BROCK BRIDGE RD., 3' BELOW SURF. ELEV. 174.606

TYPE OF BLDGS : OFFICE/ SWITCHING EQUIPMENT
NO. OF LOTS : 1
NO. OF WATER H.C. : 1
NO. OF SEWER H.C. : 1
DRAINAGE AREA : LITTLE PATUXENT
WATER CODE : C04
SEWER CODE : 4020000
TEST GRADIENT ELEV.: 55.0
TREATMENT PLANT : SAVAGE

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
James J. ... 12-22-94
DIRECTOR OF PUBLIC WORKS DATE
... 12/22/94
CHIEF BUREAU OF ENGINEERING DATE

GEORGE WILLIAM STEPHENS, JR. AND ASSOCIATES, INC.
CIVIL ENGINEERS & LAND SURVEYORS
658 KENILWORTH DRIVE, SUITE 100
TOWSON, MARYLAND 21204
(410) 825-8120

DESIGNED : PRC
DRAFTED : JMS / MLB
CHECKED : PRC

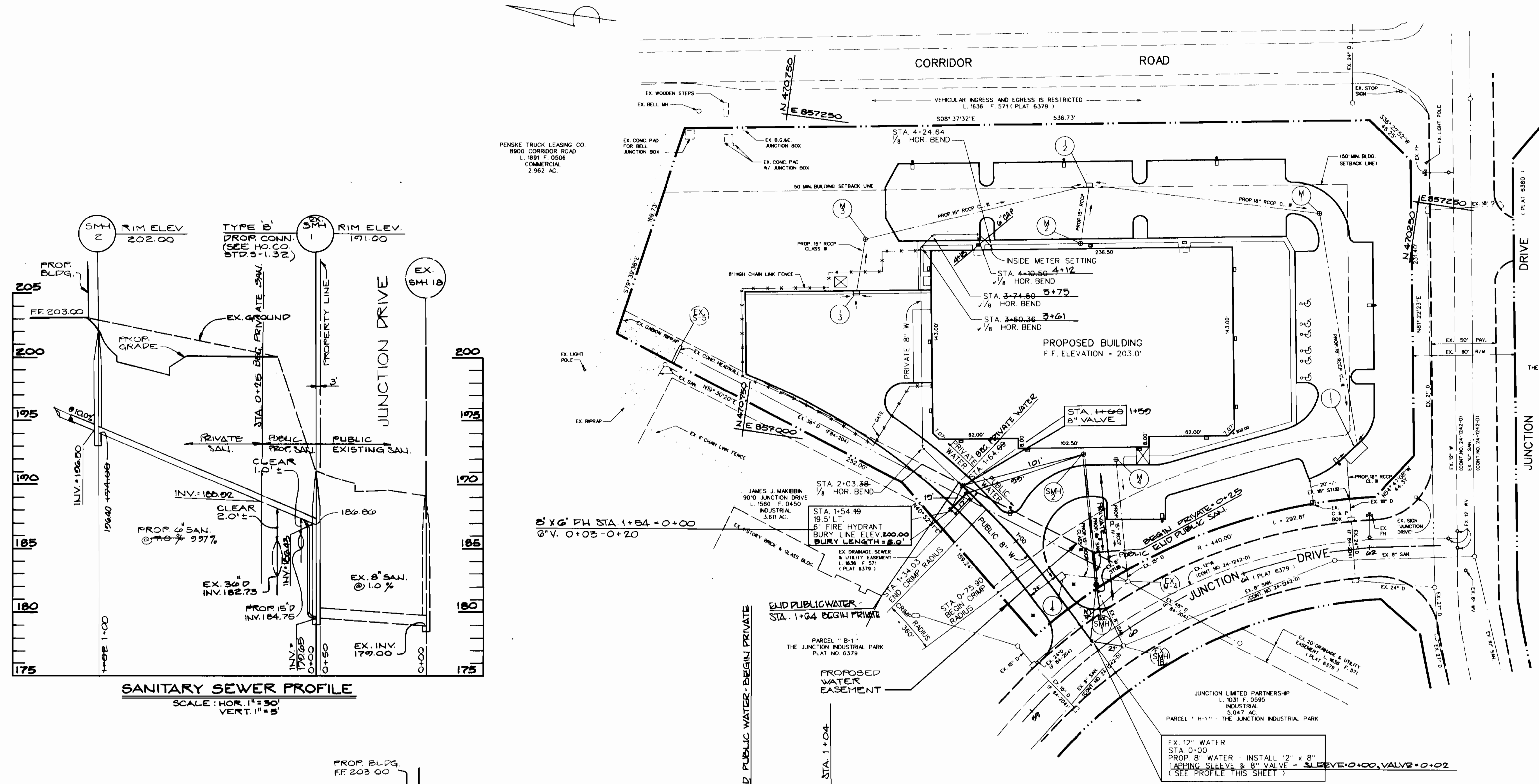
PLAN AND PROFILE FOR PROPOSED WATER MAIN
CONTRACT NO. 24-3375-D

600 SCALE MAP NO. 48 BLOCK NO. 20

BY	NO.	REVISION	DATE
KCI	1	AS-BUILT CONDITIONS ADDED TO PLAN	8/20/00

THE JUNCTION INDUSTRIAL PARK
BELL ATLANTIC
HOWARD COUNTY, MARYLAND
ELECTION DISTRICT #6
OCTOBER 20, 1994
SHEET 1 OF 2

3395 ws/2 Junction Ind. Pk. / Bell Atlantic



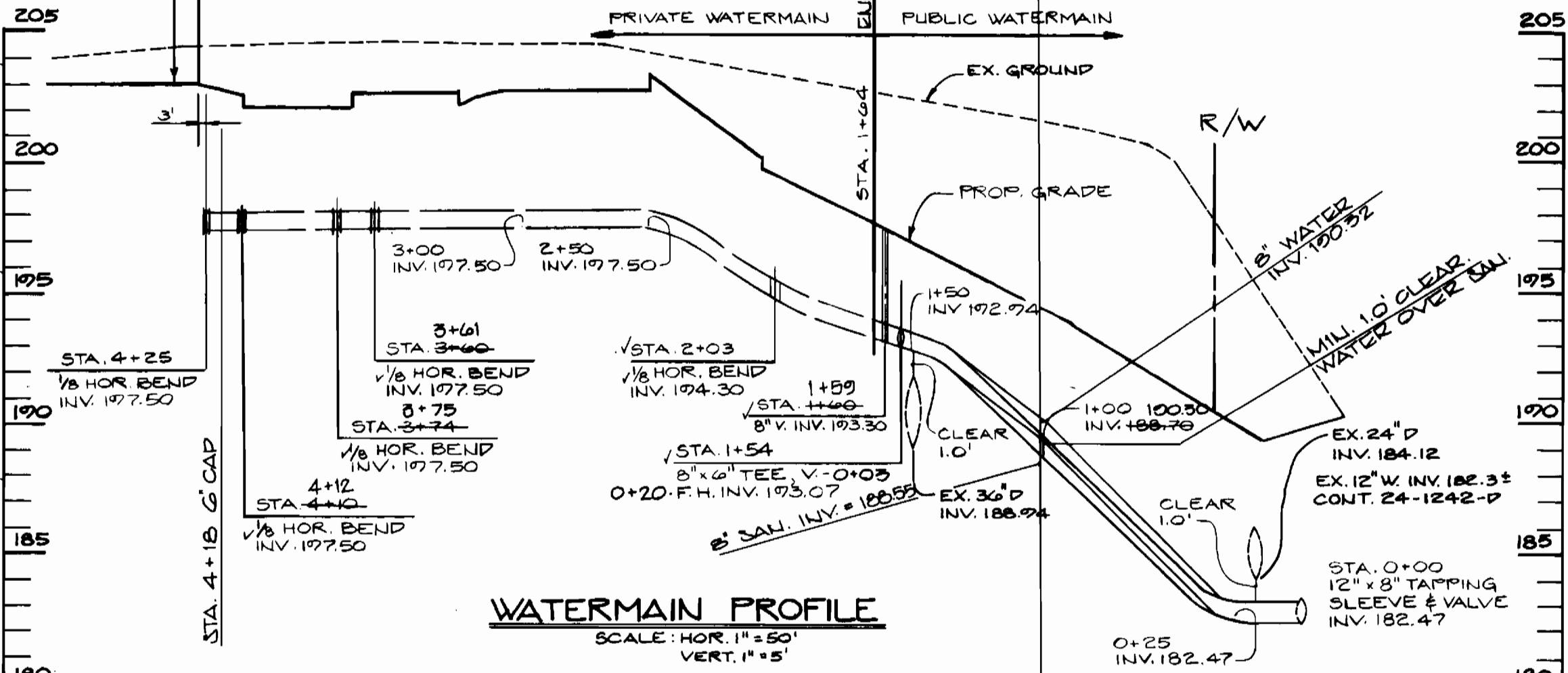
SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE STANDARD SPECIFICATIONS AND SDP 95-31

THE DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

APPROVED *John P. Rhoton* 12/22/94
HOWARD SOIL CONSERVATION DISTRICT

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

Peterson Taylor 12/22/94
U.S. SOIL CONSERVATION SERVICE DATE



WATERMAIN PROFILE
SCALE: HOR. 1"=50'
VERT. 1"=5'

PLAN
SCALE: 1"=50'

DEPARTMENT OF PUBLIC WORKS

HOWARD COUNTY, MARYLAND
James P. Lewis 12/22/94 *Robert A. Benning* 12-22-94
 DIRECTOR OF PUBLIC WORKS DATE CHIEF BUREAU OF UTILITIES DATE
Robert Taylor 12/22/94 *John Williams* 12/22/94
 CHIEF BUREAU OF ENGINEERING DATE CHIEF LAND DEVELOPMENT DIVISION DATE



GEORGE WILLIAM STEPHENS, JR.
AND ASSOCIATES, INC.
CIVIL ENGINEERS & LAND SURVEYORS
658 KENILWORTH DRIVE, SUITE 100
TOWSON, MARYLAND 21204
(410) 825-8120



DESIGNED: PRC
 DRAFTED: JMS/MLB
 CHECKED: PRC

PLAN AND PROFILE
FOR
PROPOSED WATER MAIN

CONTRACT NO. 24-3395-D
 600 SCALE MAP NO. 48 BLOCK NO. 20

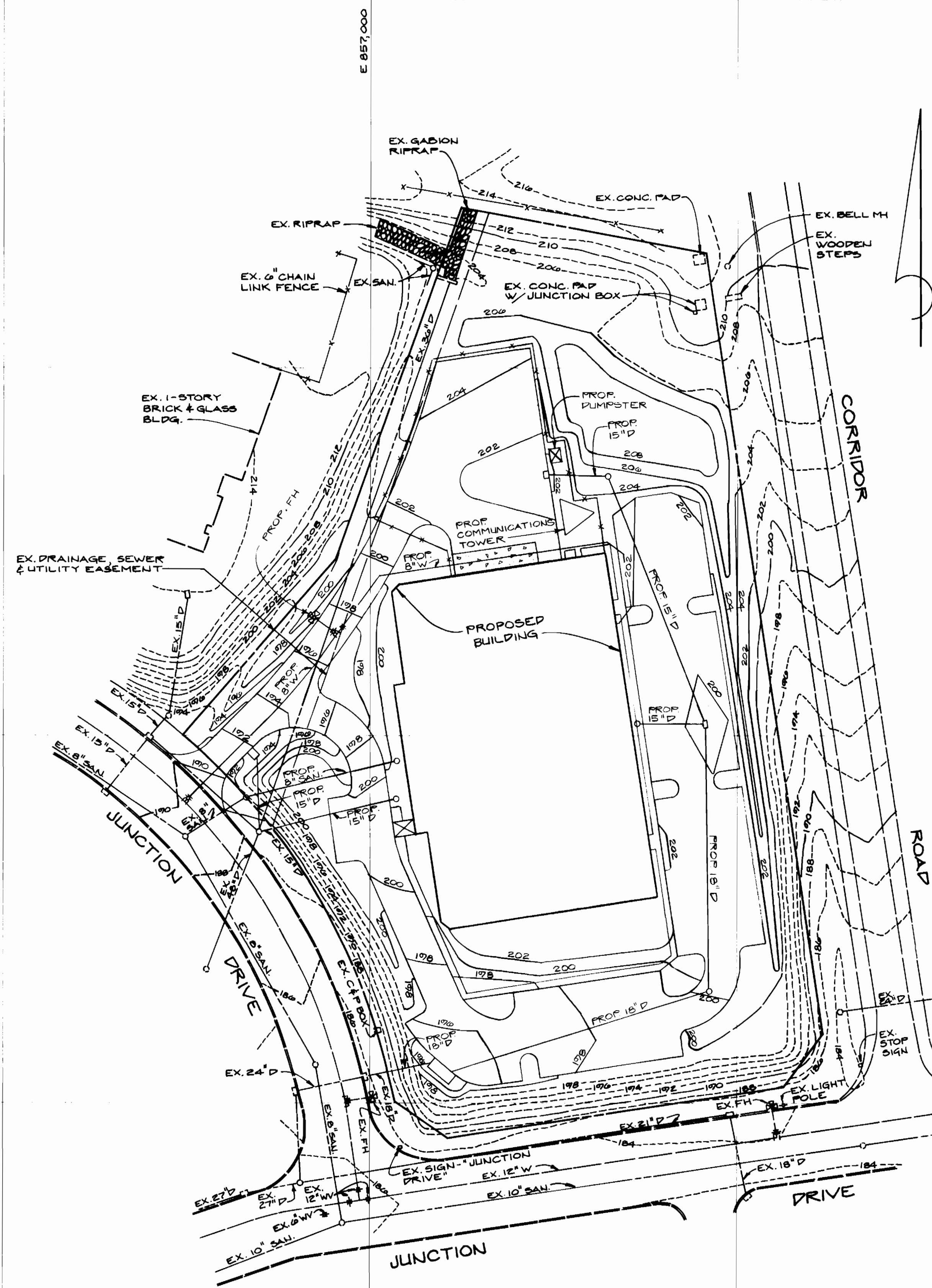
BY	NO.	REVISION	DATE
K.C.I.	1	ASBUILT CONDITIONS ADDED TO PLAN	8/20/00

THE JUNCTION INDUSTRIAL PARK
BELL ATLANTIC

HOWARD COUNTY, MARYLAND
 ELECTION DISTRICT #6
 OCTOBER 20, 1994
 SHEET 2 OF 2

3395 JUNCTION IND. PK. - POSITION SHIT.

N 471,000



N 470,000

TOPOGRAPHIC
SURVEY
PLAT

LEGEND

- SUBDIVISION BOUNDARY
- LOT BOUNDARY
- ROAD CENTERLINE
- EDGE OF ROAD

THE JUNCTION
SUBD NAME INDUSTRIAL PARK

SEC. 1 AREA 1

STREET NAME JUNCTION DRIVE

CAP. PROJ. NO.

CONTRACT NO. 44-3395-D

FIELD BOOK NO.

SCALE: 1" = 50'

PREPARED BY:
GEORGE W. STEPHENS, JR.
AND ASSOCIATES, INC.

658 KENILWORTH DR., STE. 100
TOWSON, MARYLAND 21204

(410) 825-8120

4		8	
3		7	
2		6	
1		5	
NO.	REVISION	NO.	REVISION
	DATE		DATE