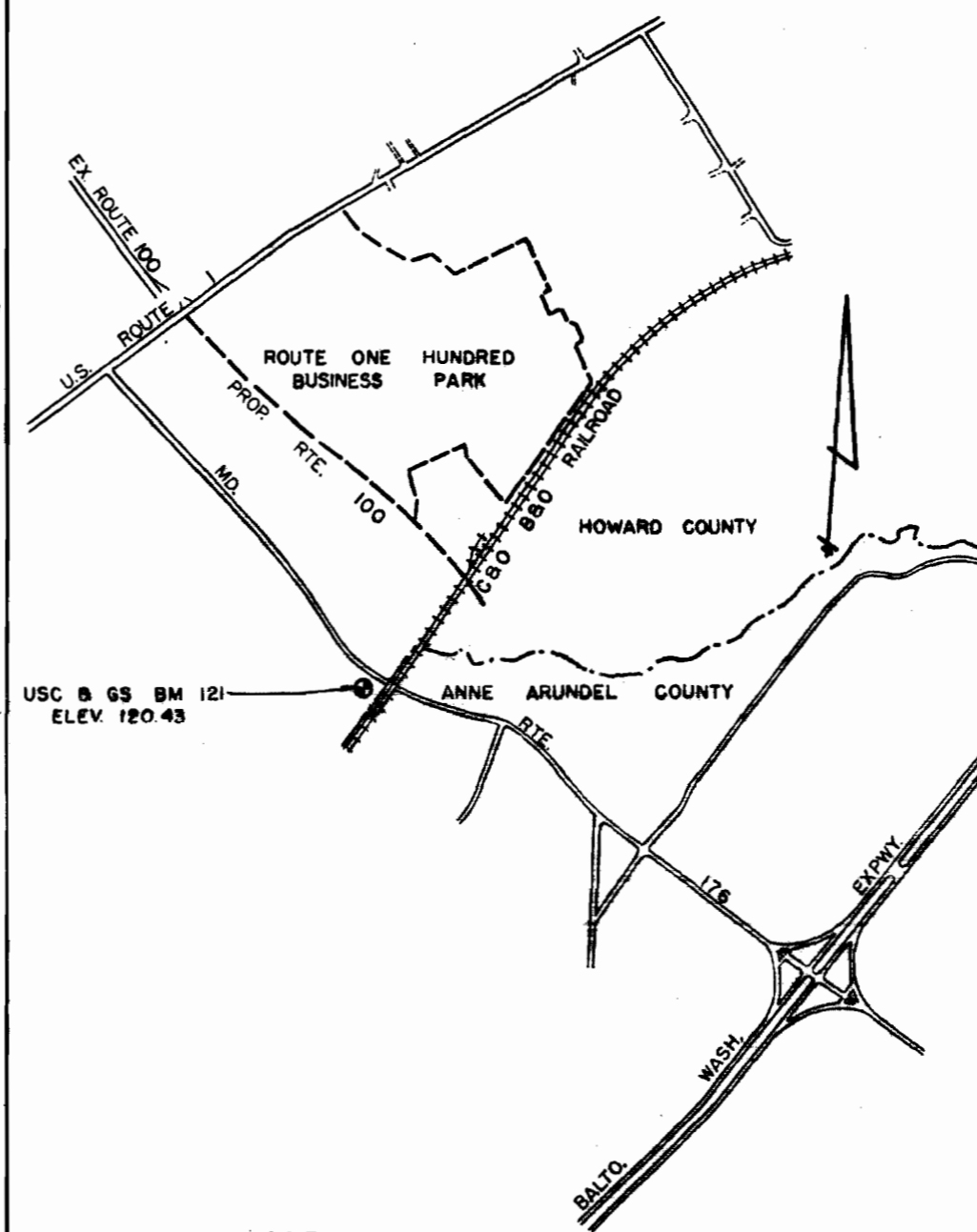
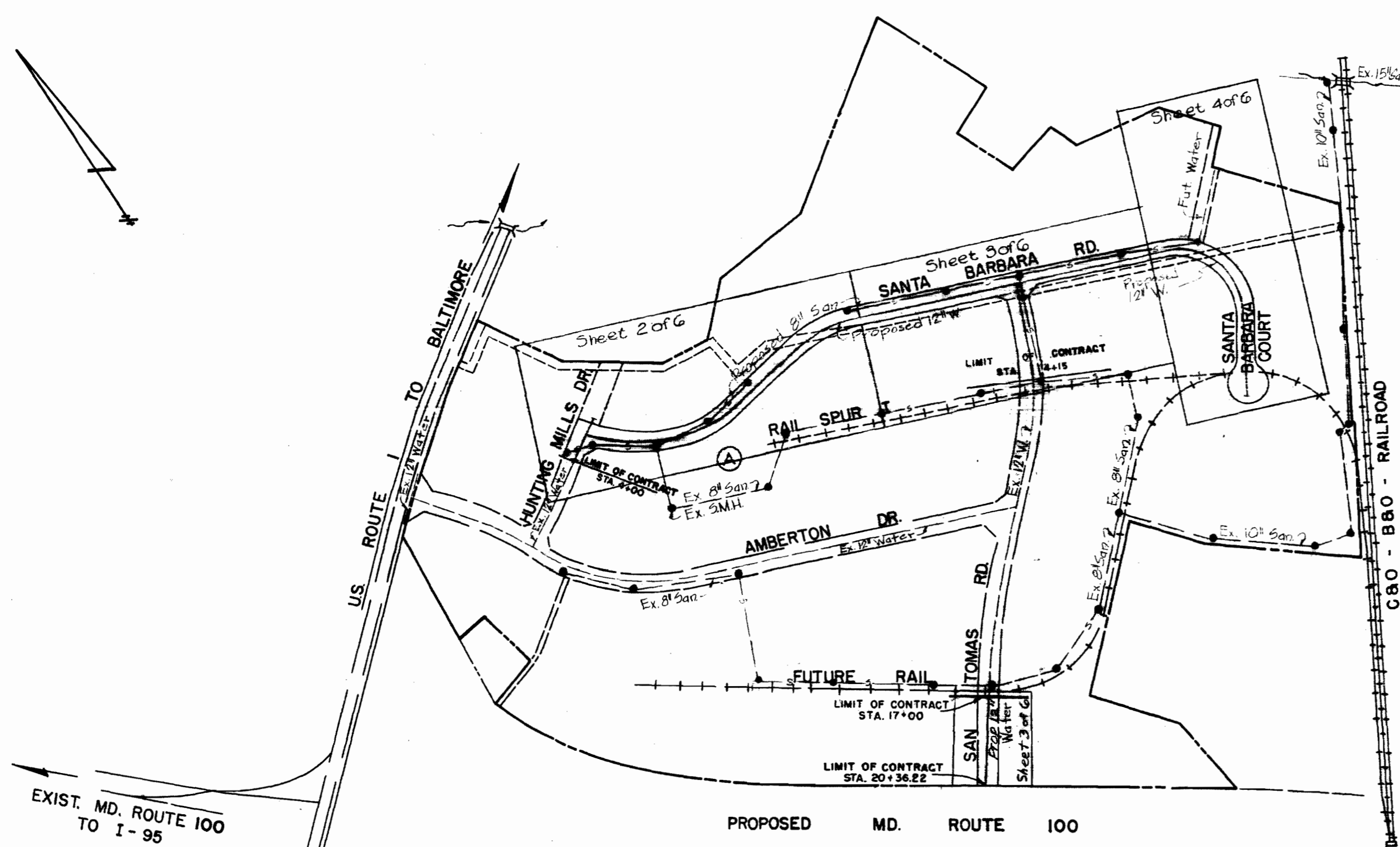
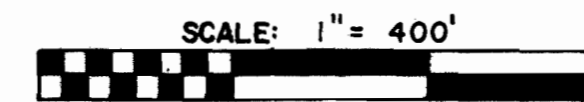


**GENERAL NOTES**

1. 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.
2. All pipe elevations are invert @ elevations.
3. The contractor shall locate existing utilities a minimum of two weeks in advance of construction operations in vicinity of utilities.
4. For all standard details see Howard County Standard Specifications and Details for Water Mains and Sanitary Sewers."
5. Block all fittings with concrete, see Howard County standard specifications and details for water mains and sanitary sewers.
6. Bury line elevations on fire hydrants shall be set to elevations shown on the drawings.
7. All fire hydrants shall be buttressed in accordance with standard detail W-4.
8. All valves shall be strapped to tees in accordance with standard details W-6A or W-6C.
9. Cost of strapping valves to tees to be included in the unit price bid for furnishing and laying of water mains.
10. Clear all utilities by a minimum of 6'.
11. All manholes shall be 4'-0" inside diameter.
12. The contractor shall provide a joint in all sewer mains within 2'-0" of exterior manhole walk.
13. Brick manholes shall have 12" walls as called for on the Profiles.
14. All horizontal and vertical controls are based on Maryland State datum.
15. Sanitary sewers shall be all V.C.P.X., C.S.P.X. or A.C.S.P. (Class 3300) with no combinations allowed.



VICINITY MAP  
SCALE: 1" = 2000'



SHA BM 6A CUT ON CURB IN FRONT OF MAIL BOXES ON NORTH SIDE OF U.S. ROUTE 1 RT. OF & STA. 0+25 RTE. 1 SPUR AND LT. OF DORSEY RD. & STA. 51+50 (BK. 14427 PG. 4) ELEV. 198.65

USC & GS. BM 121 LOCATED AT DORSEY, HOWARD COUNTY, ON THE BALTIMORE & OHIO RAILROAD, 100 FEET NORTHEAST OF THE STATION AT THE CROSSING OF OLD ANNAPOLIS ROAD (THE DORSEY - GLEN BURNIE ROAD) 50 FEET EAST OF THE EAST RAIL OF THE NORTH BOUND MAIN TRACK, 35 FEET SOUTH OF THE ROAD AT THE DORSEY BARBER SHOP (IN 1933) IN THE FACE OF THE MASONRY FOUNDATION, AND 1 FOOT ABOVE THE GROUND ELEV. 120.426

LOCATION MAP

**ROUTE ONE HUNDRED BUSINESS PARK**

**CONTRACT NO.**

**532 - D - W&S**

**WATER AND SEWER MAINS**

**HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS**

**ELLICOTT CITY, MARYLAND**

QUANTITIES	
ITEM	QUANTITY
12" WATER	4120 L.F.
6" WATER	195 L.F.
6" F.H.	8 EA.
8" SANITARY	2905 L.F.
6" SANITARY	20 L.F.



*George W. Stephens, Jr.*  
Red No. 4607 Date 2/24/73

GEORGE W. STEPHENS, JR. & ASSOC., INC.  
CONSULTING ENGINEERS  
303 ALLEGHENY AVE. TOWSON, MD. 21204

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
5-3-73 DATE  
W. O. Roberts CHIEF, BUREAU OF ENGINEERING

CONTRACT NO. 532-D-W&S

LOCATION MAP OF WATER & SEWER MAINS

ROUTE ONE HUNDRED BUSINESS PARK PHASE II  
ELECT. DIST. NO. 1 HOWARD COUNTY, MD.  
FEBRUARY 20, 1973

Route One Hundred Business Park Phase II (Near U.S. Route 1) Cont. 532-D-W&S

DRAWING NO. 1 OF 6  
SCALE: AS SHOWN  
DES. PRC. DRW. BOL. CHK. ACS.

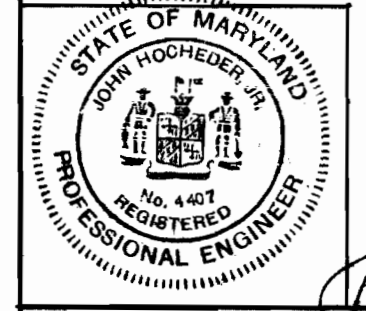
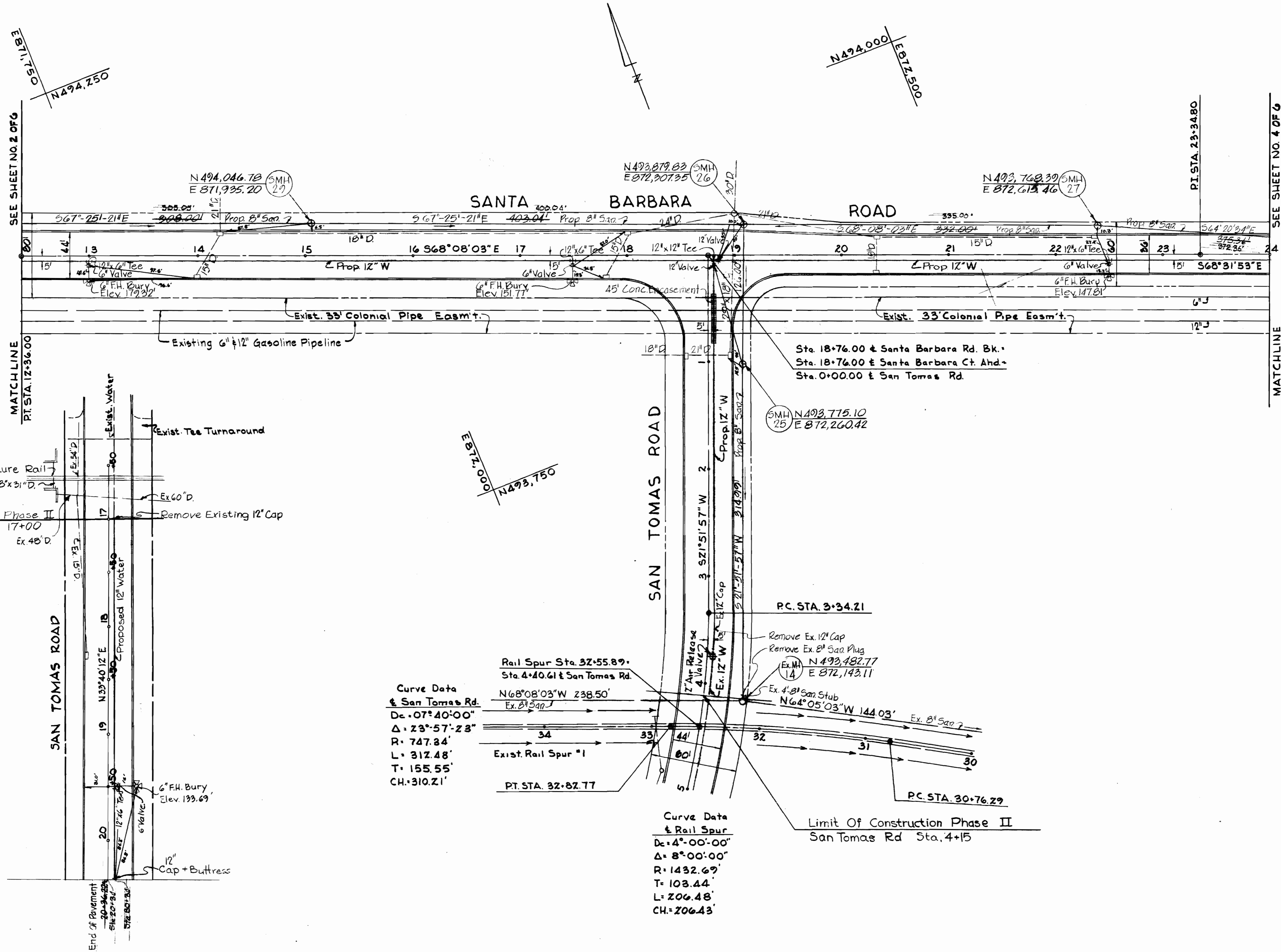
AS-BUILT

WS 532 W&S/1





WS 532 W4S/3



*George W. Stephens Jr.*  
 Reg. No. 4407 Date 7/26/73

GEORGE W. STEPHENS JR. & ASSOC.  
 CONSULTING ENGINEERS  
 303 ALLEGHENY AVE. TOWSON, MD. 21204

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 DATE 5-3-73 CHIEF, BUREAU OF ENGINEERING

CONTRACT NO. 532-D-W8S

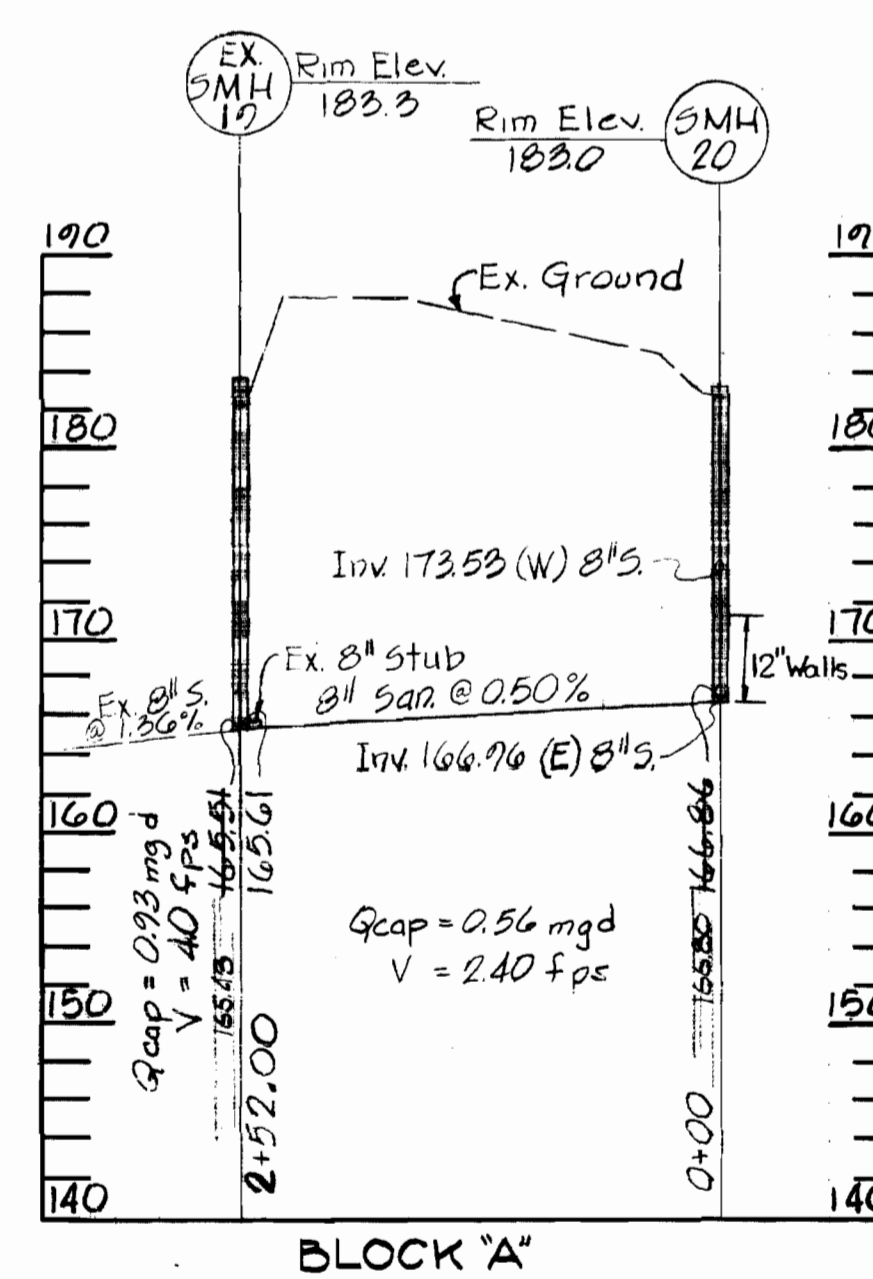
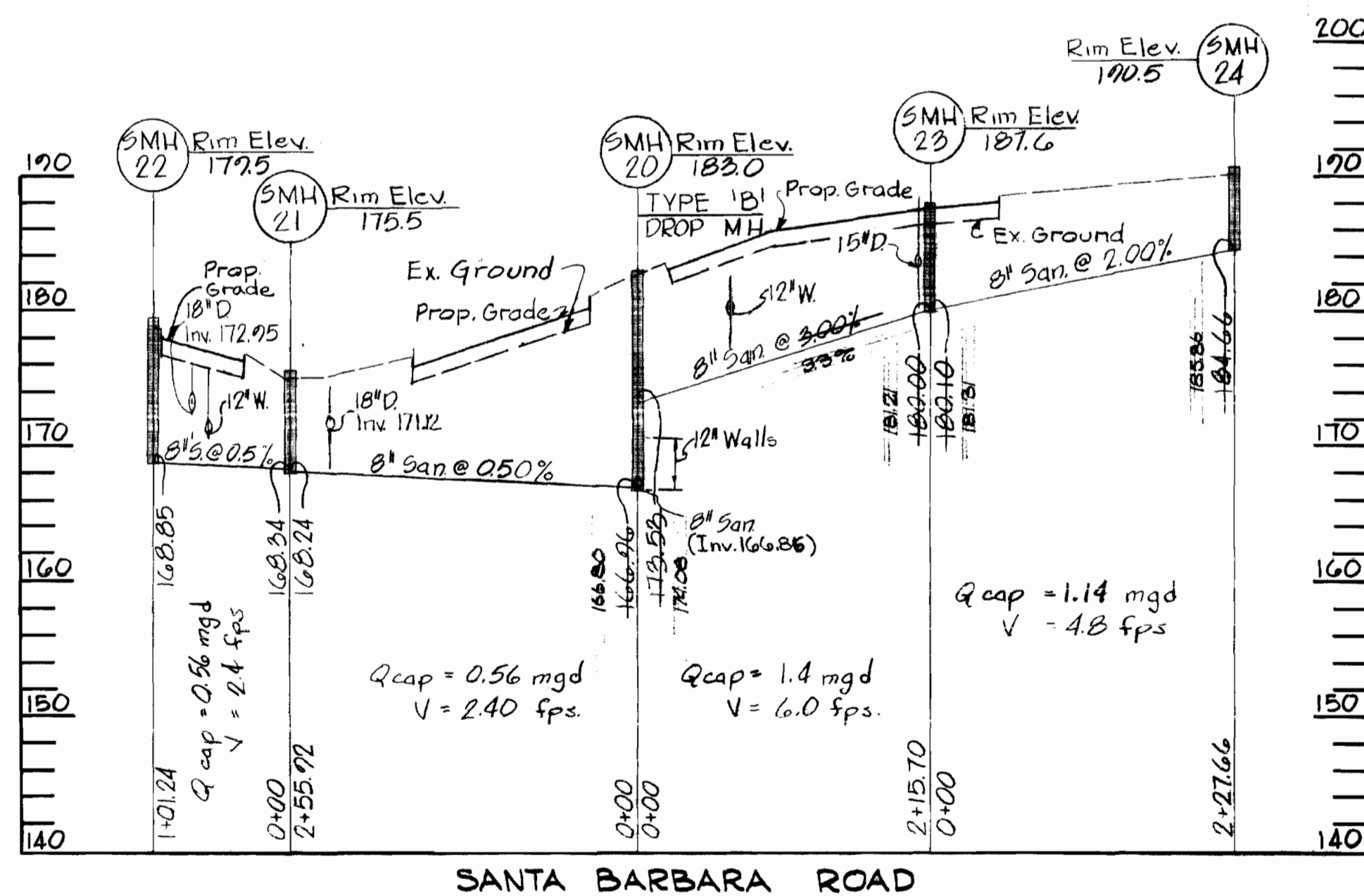
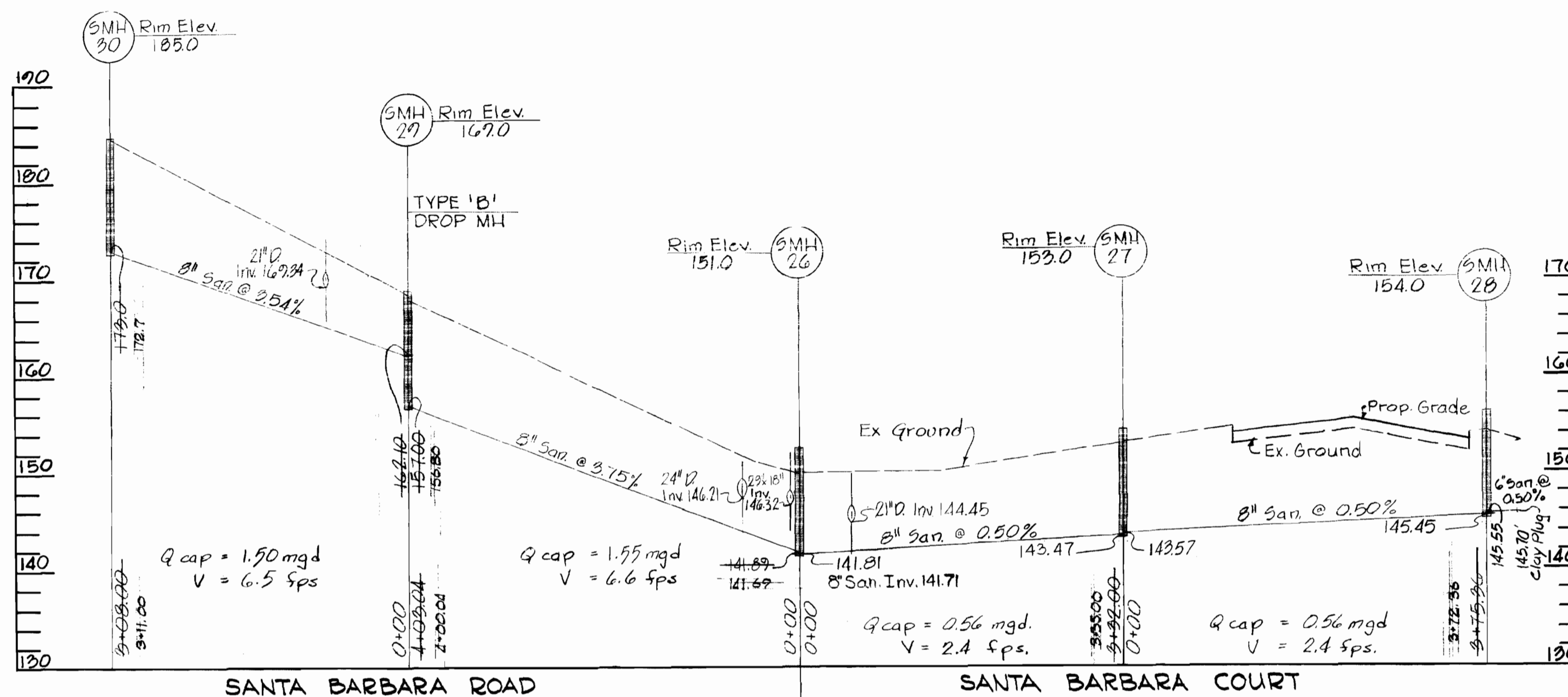
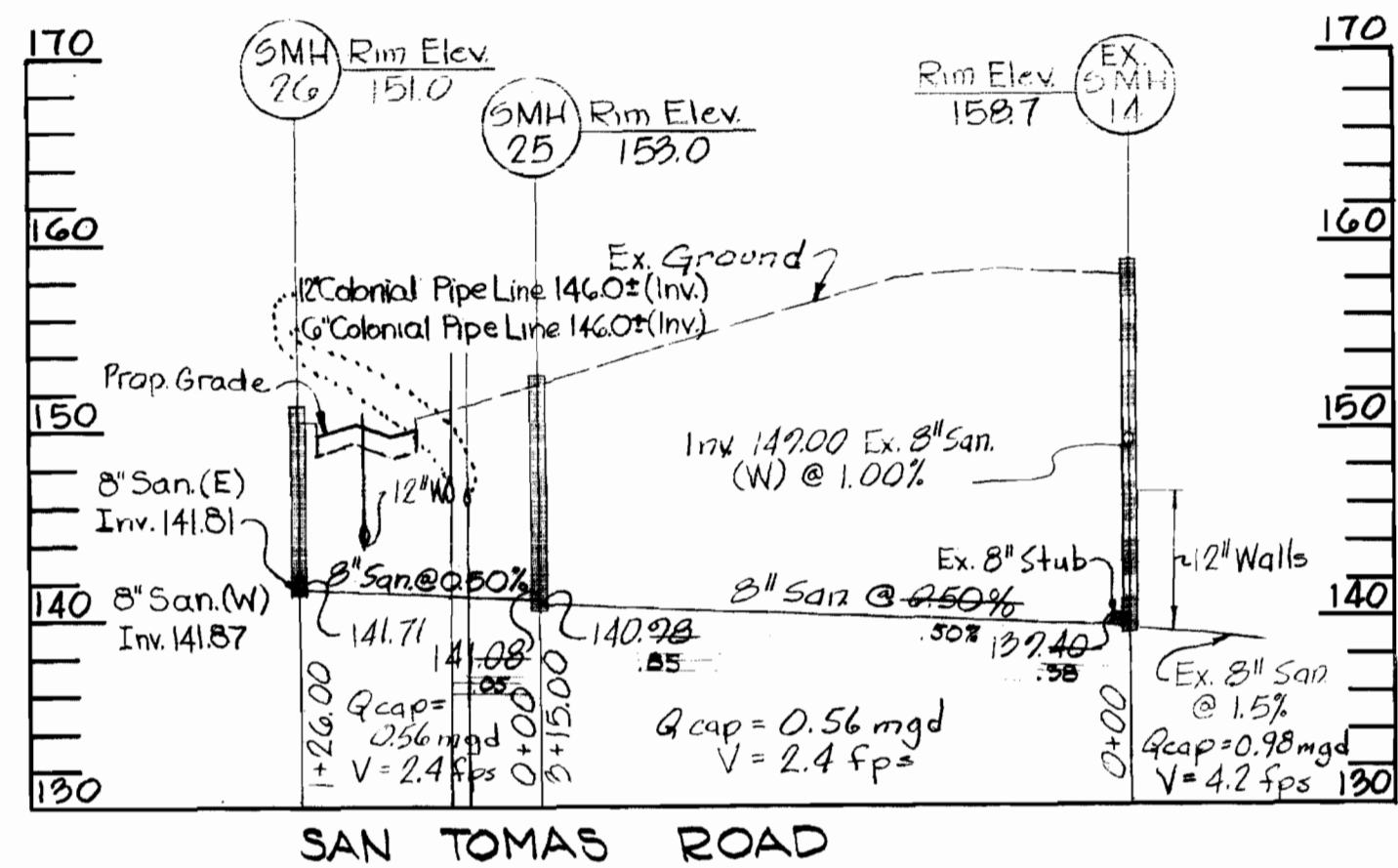
PLAN OF  
 WATER & SEWER MAINS

ROUTE ONE HUNDRED  
 OFFICE/INDUSTRIAL PARK  
 PHASE II  
 ELECT. DIST. NO. 1  
 HOWARD COUNTY, MD. FEBRUARY 20, 1973

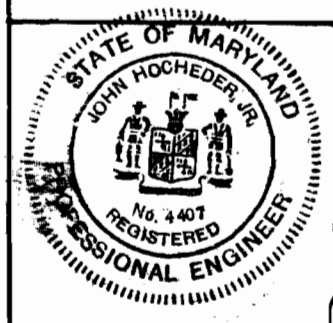
ROUTE ONE HUNDRED BUSINESS PARK  
 Phase II  
 (Near U.S. Route 1)  
 Cont. 532-D-W45

DRAWING NO. 3 OF 6 SCALE 1"=50'





Route One Hundred Business Park  
Phase II  
(Near U.S. Route 1)  
Cont. 532-D-W45

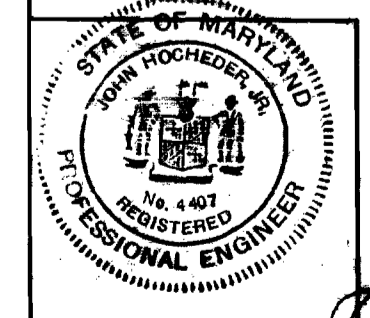
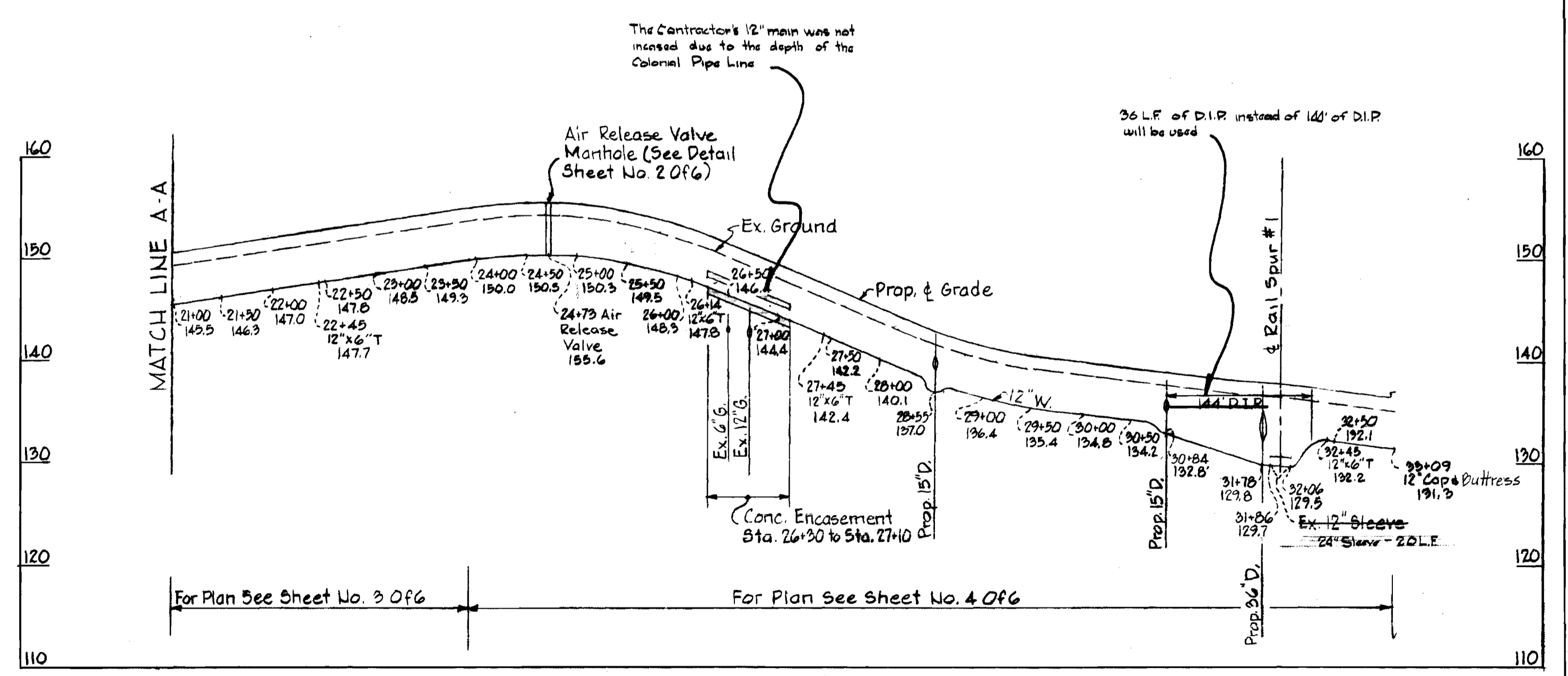
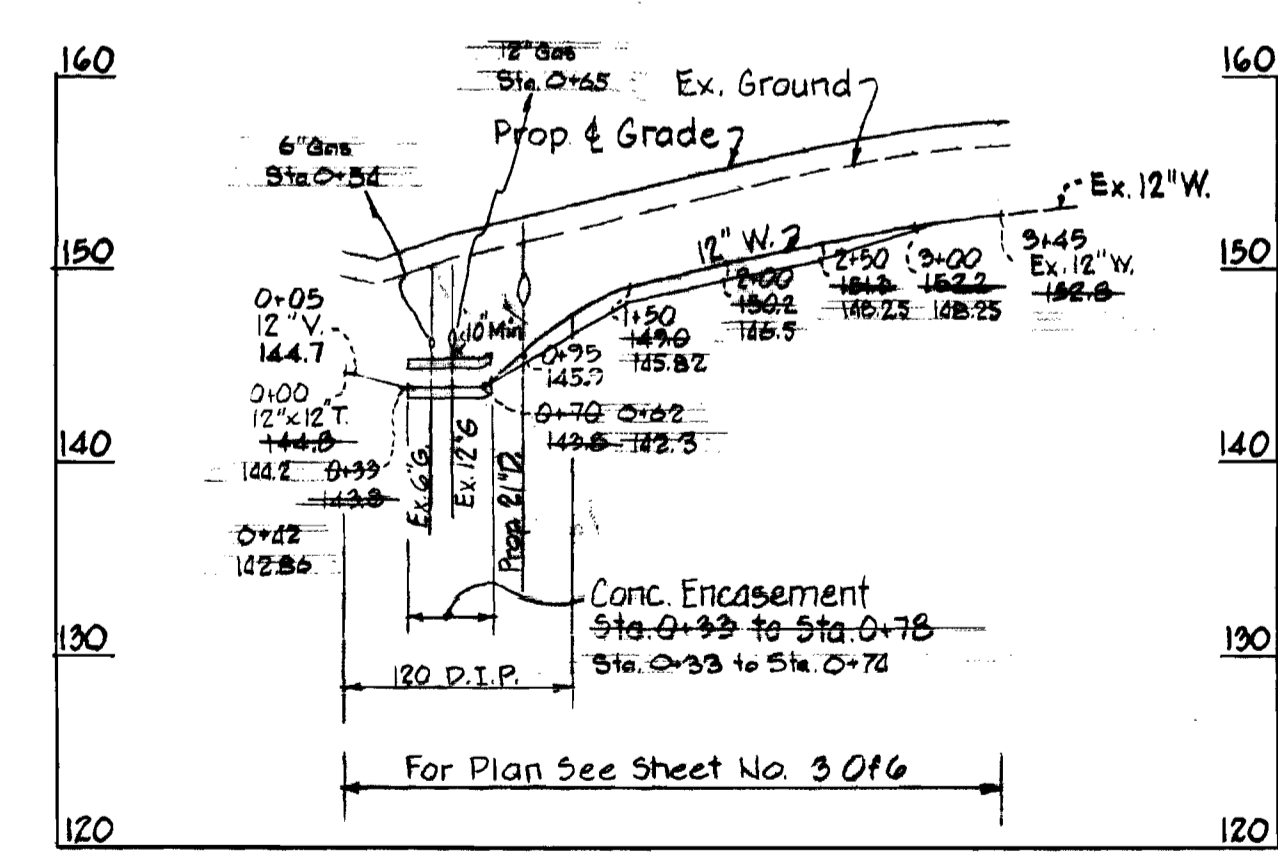
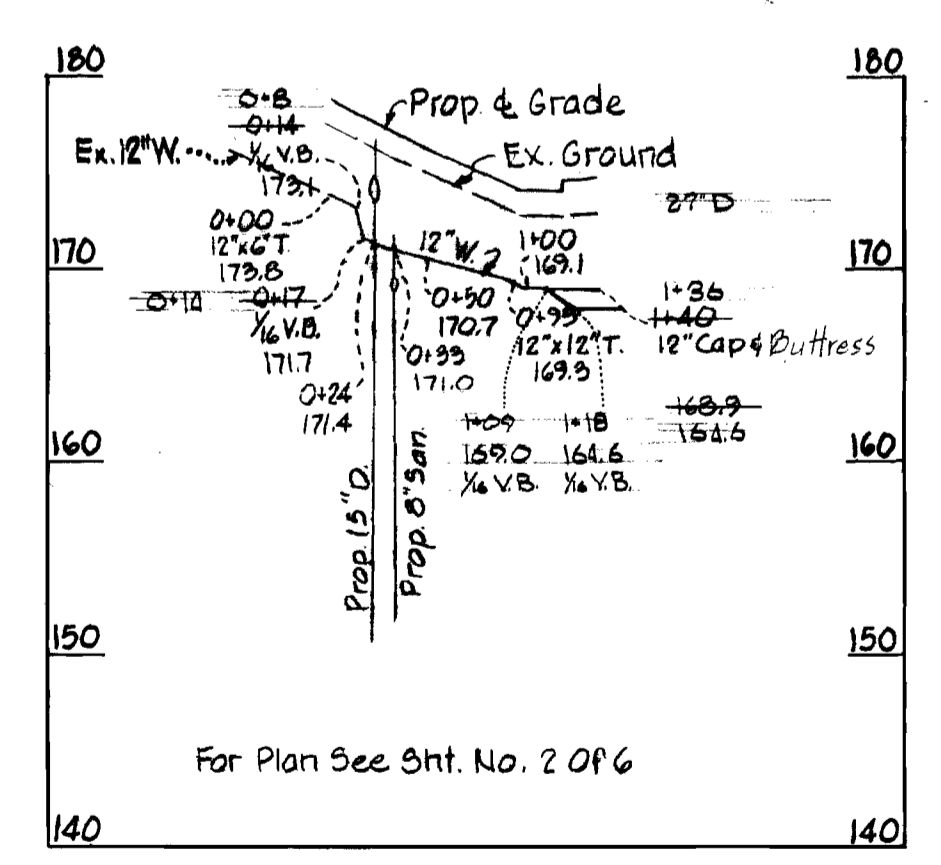
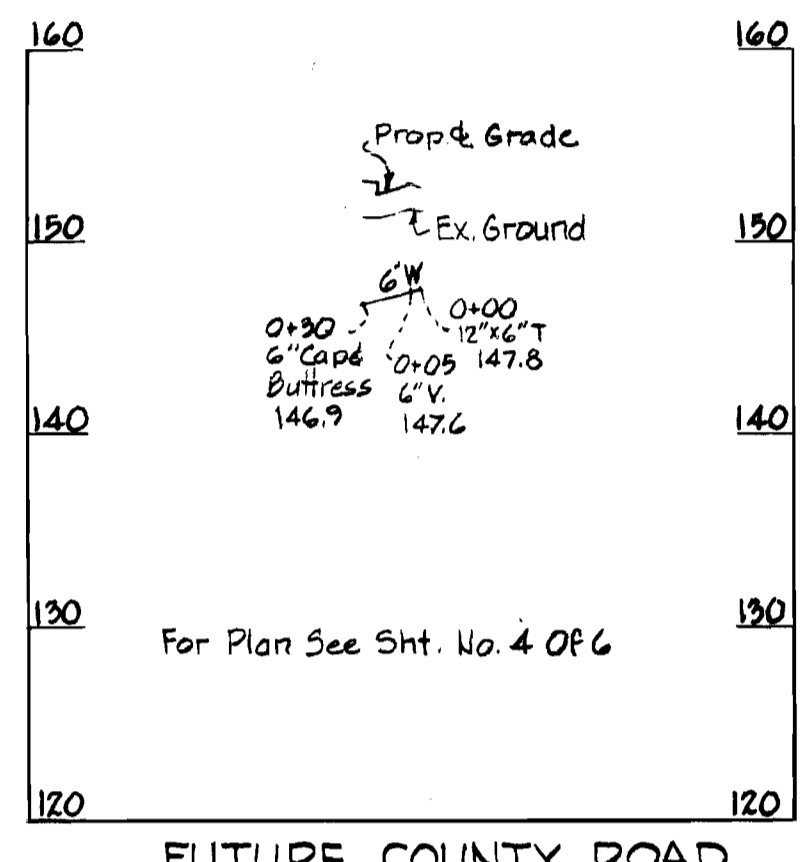
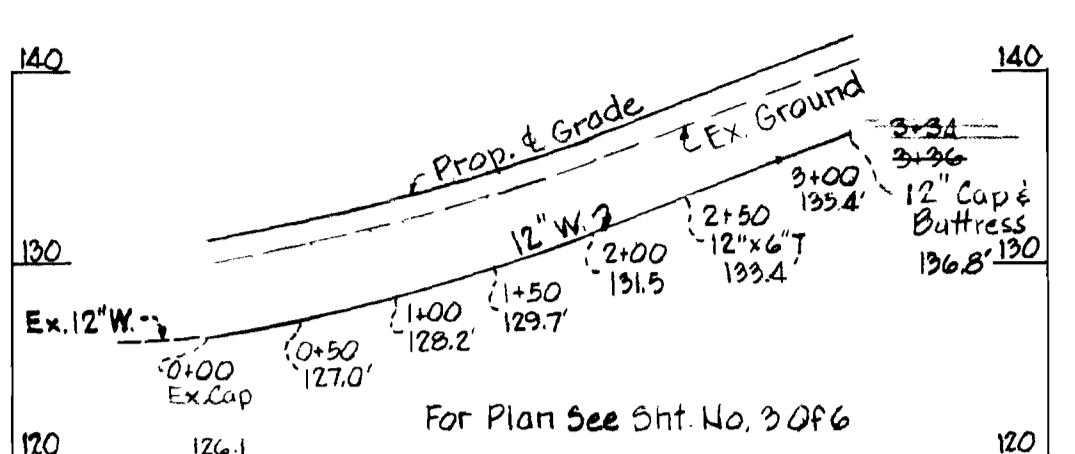
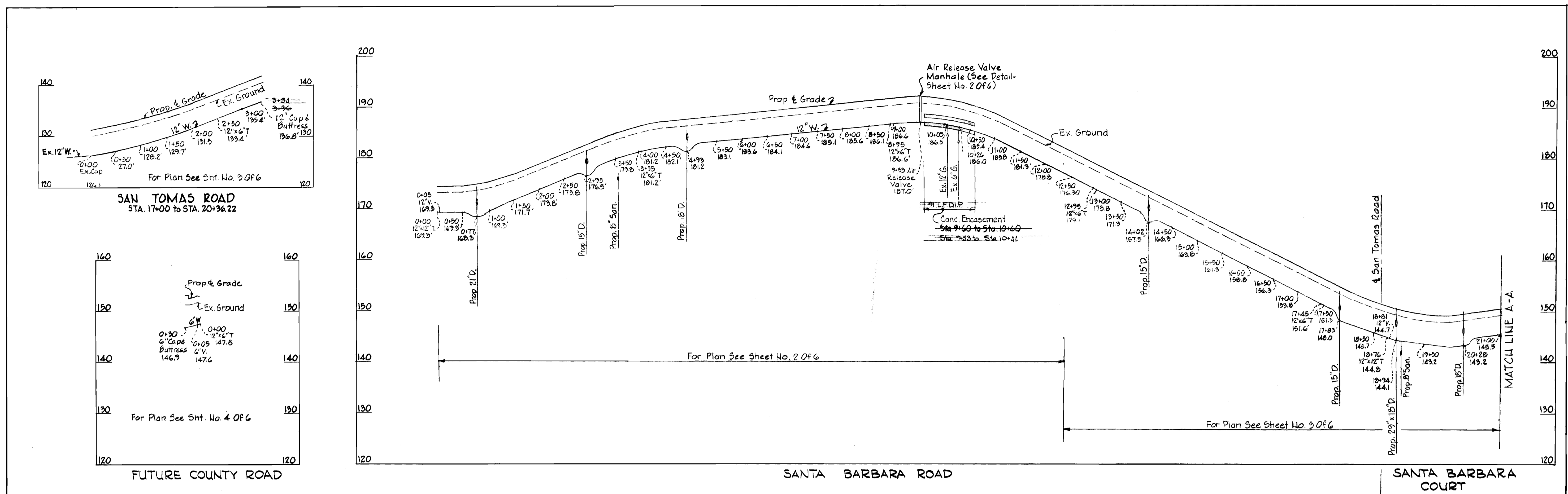


*George W. Stephens, Jr.*  
Reg. No. 4407  
Date: 2/26/73

GEORGE W. STEPHENS, JR. & ASSOC., INC. CONSULTING ENGINEERS 303 ALLEGHENY AVE. TOWSON, MD. 21204	HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS DATE: 5-3-73 <i>W. O. Falbert</i> CHIEF, BUREAU OF ENGINEERING	CONTRACT NO. 532-D-W45	PROFILES OF SEWER MAINS	ELECT. DIST. NO. 1 HOWARD COUNTY, MD.	ROUTE ONE HUNDRED BUSINESS PARK PHASE II FEBRUARY 20, 1973	DRAWING NO. 5 OF 6	SCALE: Hor. 1"=100' Vert. 1"=10'	DES. PRC DRW. DDL CHK. AGG
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WS 532 W&S/6



*George W. Stephens, Jr.*  
 Reg. No. 440 Date 2/26/73

<b>GEORGE W. STEPHENS, JR. &amp; ASSOC., INC.</b> CONSULTING ENGINEERS 303 ALLEGHENY AVE. TOWSON, MD. 21204	<b>HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS</b> DATE <u>5-3-73</u> <i>W.O. Gilbert</i> CHIEF, BUREAU OF ENGINEERING	CONTRACT NO. <u>532-D-W&amp;S</u>	<b>PROFILES OF WATER MAINS</b>	<b>ROUTE ONE HUNDRED BUSINESS PARK PHASE II</b> (Near U.S. Route 1) Cont. 532-D-W&S ELECT. DIST. NO. 1 HOWARD COUNTY, MD.	<b>DRAWING NO. 6 OF 6</b>	<b>SCALE</b> Hor. 1"=100' Vert. 1"=10'
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