

W & S CODE
County Use
SEWER NO. 5750691
WATER NO. 601

CONTRACT NO. 2851-D

SECTION 2
SECTION 1
SECTION 3

B.M. #2743001
B.M. #2743003

3/4" REBAR 0.5' BELOW SURFACE AT TOP OF BANK IN GLEN MAR CHURCH LAWN.
3/4" REBAR 0.5' BELOW SURFACE IN ISLAND AT INTERSECTION OF ROUTES 104 & 108

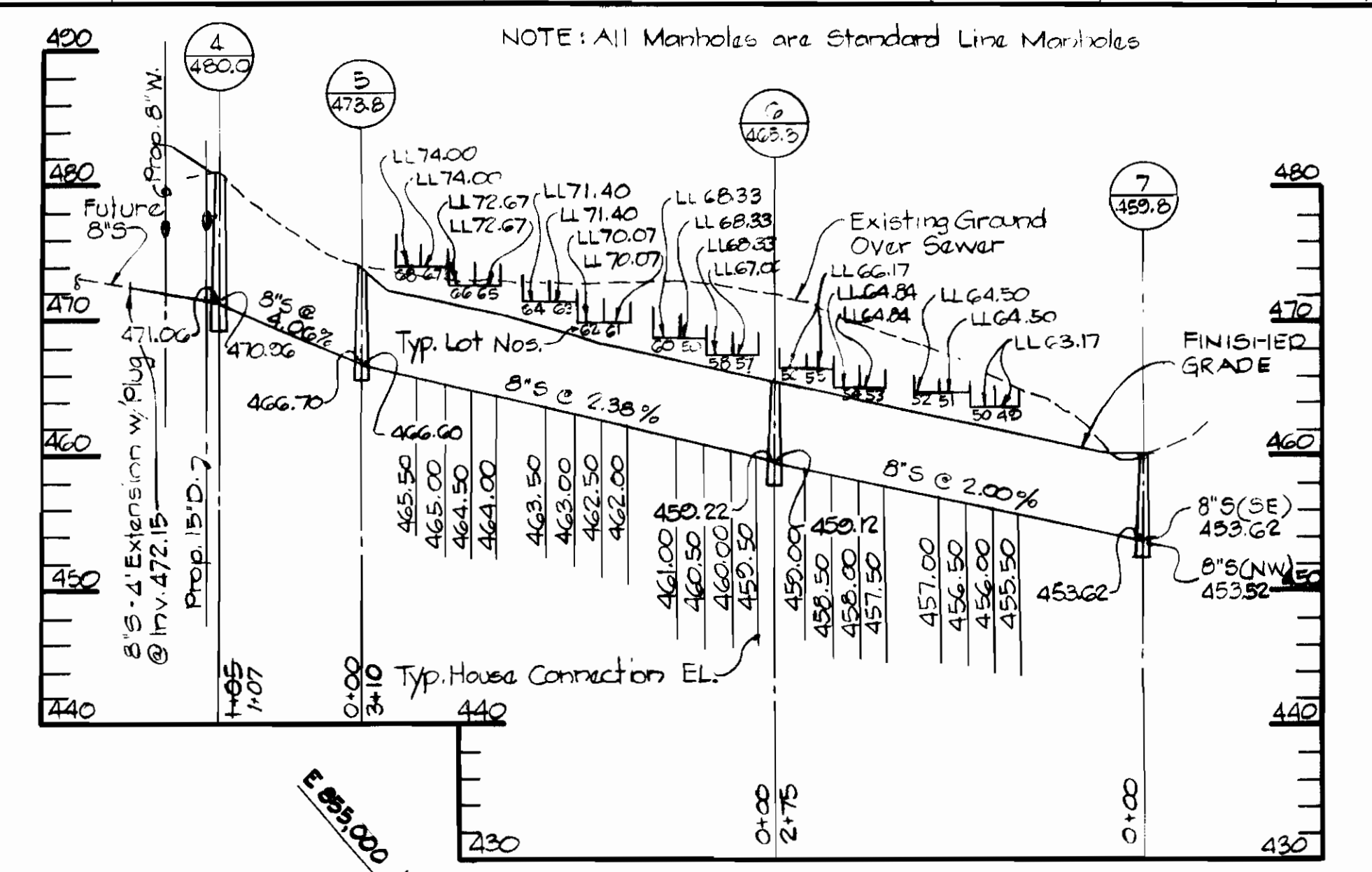
TYPE OF BUILDINGS: TOWNHOUSE
NUMBER OF LOTS: 44
NUMBER OF WATER HOUSE CONNECTIONS: 44
NUMBER OF SEWER HOUSE CONNECTIONS: 62
DRAINAGE AREA: SAVAGE

QUANTITIES

ITEM	ESTIMATED	AS BUILT	MATERIAL SUPPLIER
8" SEWER	2305 L.F.	2329 L.F.	JOHN MANSVILLE
MANHOLE	10	10	UNITED
8" WATER	536 L.F.	615 L.F.	GRIFFEN
6" WATER	720 L.F.	728 L.F.	GRIFFEN
8" VALVE		1	M&H
6" VALVE (Excluding F.H. VALVES)	3	3	M&H
FIRE HYDRANT	2	2	M&H
AIR-RELEASE MANHOLE	-	-	

6X6 TEES

MH10 - MH9	MH9 - MH8	MH7 - MH6	MH6 - MH5
LOT 48 - 0+70	LOT 36 - 0+19	LOT 86+85 - 1+08	LOT 78+77 - 0+82
LOT 47+46 - 1+04	LOT 35+34 - 0+53	LOT 89+50 - 1+19	LOT 57+53 - 0+33
LOT 45 - 1+40	LOT 33 - 0+90	LOT 51+52 - 1+59	LOT 59+60 - 0+73
LOT 44 - 1+68	LOT 32 - 1+15	LOT 84+83 - 1+63	LOT 76+75 - 0+78
LOT 43+42 - 1+98	LOT 31+30 - 1+50	LOT 82+81 - 2+05	LOT 74+73 - 1+18
LOT 41 - 2+37	LOT 29 - 1+18	LOT 53+54 - 2+14	LOT 63+64 - 1+69
LOT 40 - 2+68	LOT 28 - 2+11	LOT 55+56 - 2+55	LOT 72+71 - 1+73
LOT 39+38 - 2+95	LOT 27+26 - 2+43	LOT 80+79 - 2+59	LOT 70+69 - 2+13
LOT 37 - 3+32	LOT 25 - 2+75		LOT 65+66 - 2+25
			LOT 67+68 - 2+65



- 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.
 - All vertical controls are based on Maryland State Coordinates.
 - All pipe elevations shown are invert elevations.
 - Clear all utilities by a minimum of 6" clear all poles 2'-0" minimum or tunnel as required.
 - For all standard details see standards found in specifications.
 - Contractor shall locate existing utilities in advance of construction operations in the vicinity of proposed utilities.
 - Contractor shall notify the following utilities or agencies at least five (5) days before starting work shown on these plans:
State Highway Administration - 531-5533
Baltimore Gas and Electric Company - Underground Electric Distribution Engineering - Carriage Control - 284-5691
Baltimore Gas and Electric Company - Underground Gas Distribution Engineering - 539-0100
Chesapeake and Potomac Telephone Company 725-2676
American Telephone and Telegraph - Cable Location Division - 301-353-3553
Colonial Pipeline Company 781-4641
 - Trees are to be protected from damage to maximum extent. Trees 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 as directed by the engineer. Payment for such removal shall be included in the unit price bid for excavation and backfill for water and sewer mains.
 - Place regulation "Man Working" and warning signs as required to comply with Maryland State Highway Administration Manual of Traffic Control for Highway Construction and Maintenance Operations.
 - All sewer mains shall be C.I.P., V.C.P., or A.C.P. class 2400 unless otherwise noted.
 - The contractor shall provide a joint in all sewer mains within 2'-0" of exterior manhole wall.
 - All manholes shall be 4'-0" inside diameter, unless otherwise noted.
 - All Water Mains to be C.I.P., D.I.R., unless otherwise noted.
 - Top of all water mains to have a minimum of 3.5' cover unless otherwise noted.
 - All Valves shall be strapped to tees in accordance with standard details.
 - Block all fittings with concrete, see standards bound in specifications.
 - Bury Line elevations on fire hydrants shall be set to the elevations shown on the drawings. All fire hydrants shall be strapped and buttressed with concrete in accordance with standard details. Soil around the fire hydrant to be compacted in accordance with Section 5-15 of the Standard Specifications.
 - All water house connection shall be meter setting for inside.

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
James J. Blair, Chief-Bureau of Utilities
10-18-79
DATE

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
John F. Newman, Chief-Bureau of Engineering
10-18-79
DATE

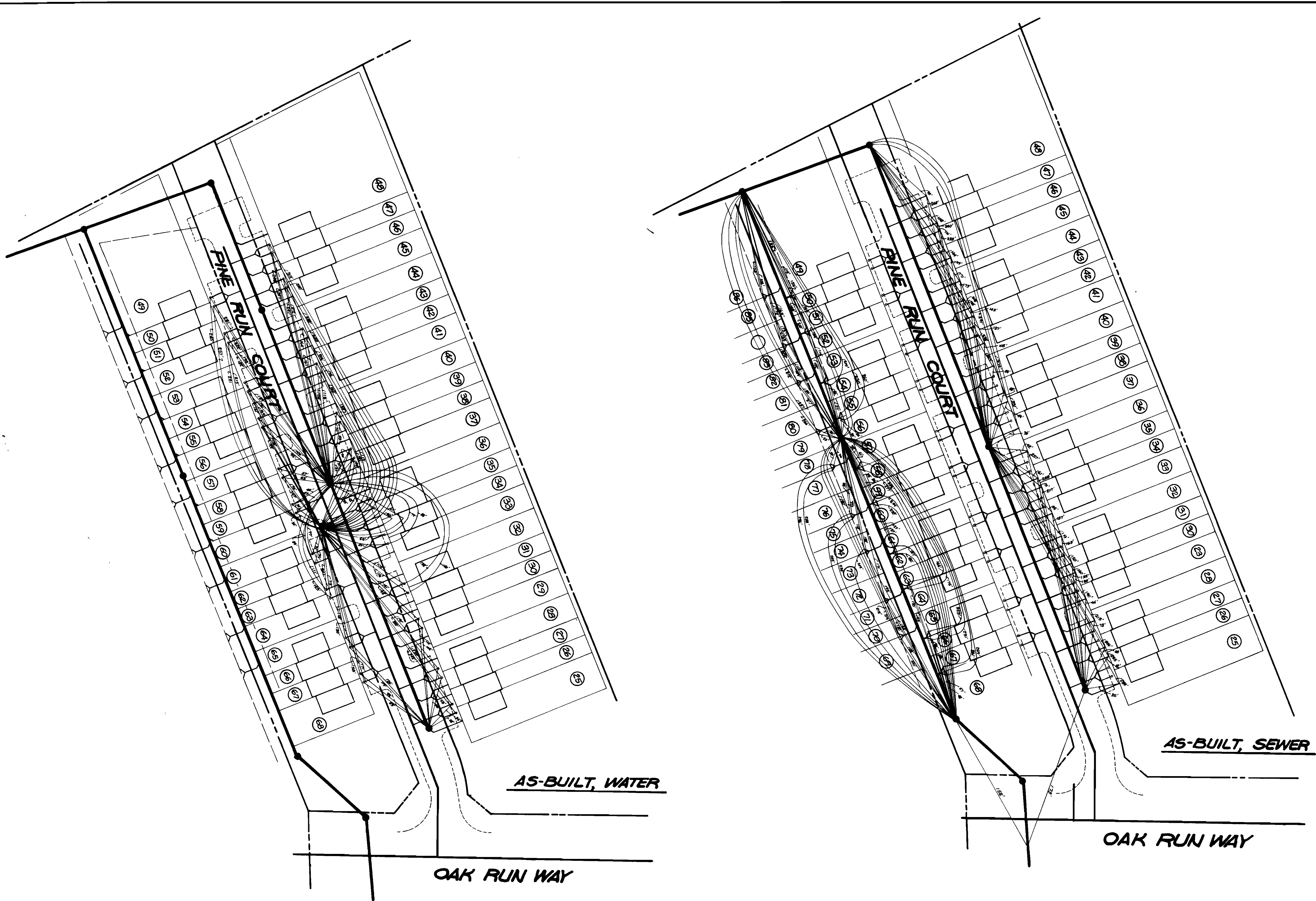
D.S. THALER & ASSOCIATES, INC.
ENGINEERS - SITE PLANNERS
3809 CLARKS LANE
BALTIMORE, MARYLAND 21215

PLAN
Scale: 1"=50'

NOTE: SEE SHT. 1A FOR AS-BUILT DATA.

CONTRACTOR TO VERIFY LOCATION OF EX. 12" WATER BEFORE CONNECTION

CONTRACT NO. 2851-D-W&S
PLAN & PROFILE WATER & SEWER
TIMBER RUN VALLEY SECTION 1
ELECTION DISTRICT NO. 2
DRAWING NO. 1 OF 2
SCALE 1"=50'



DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

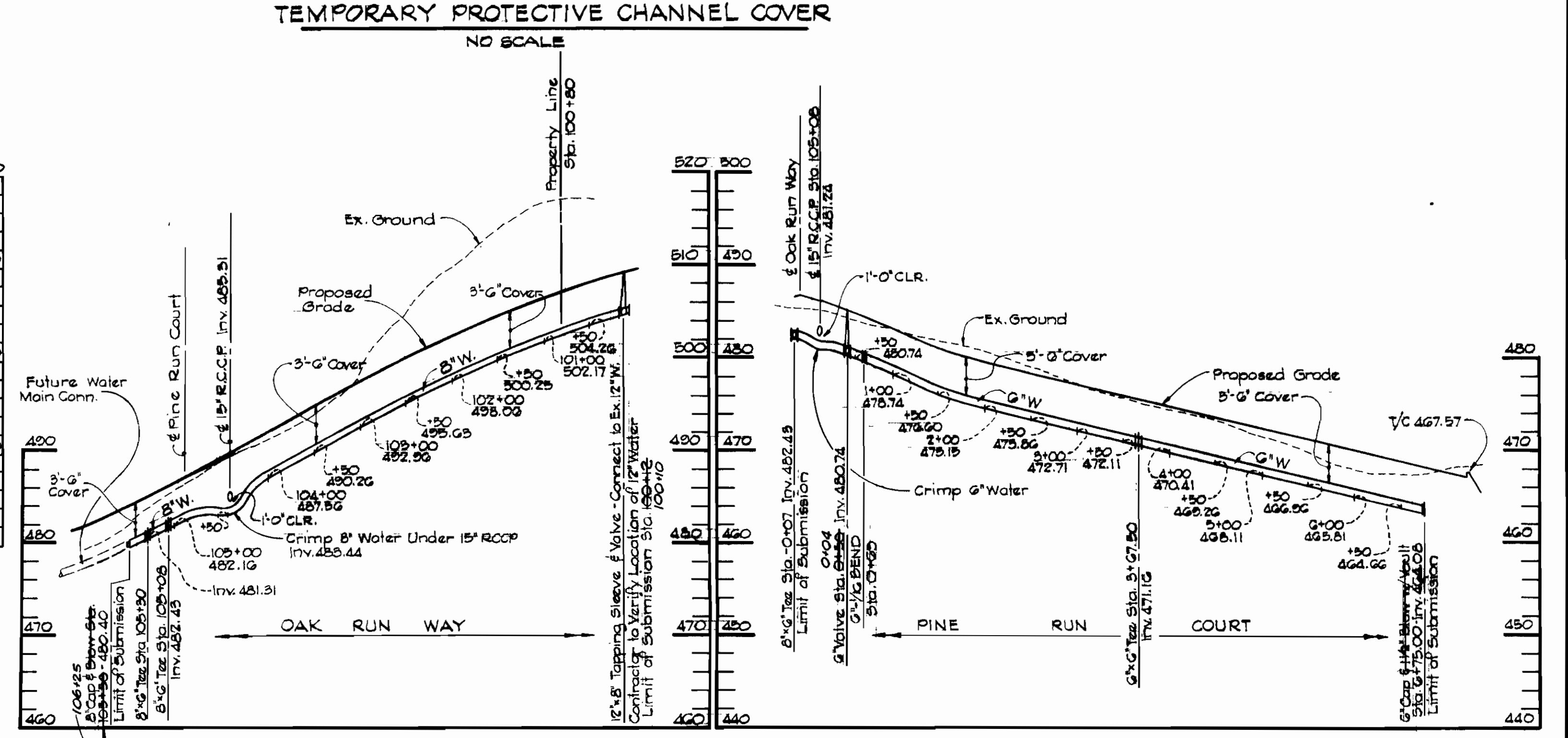
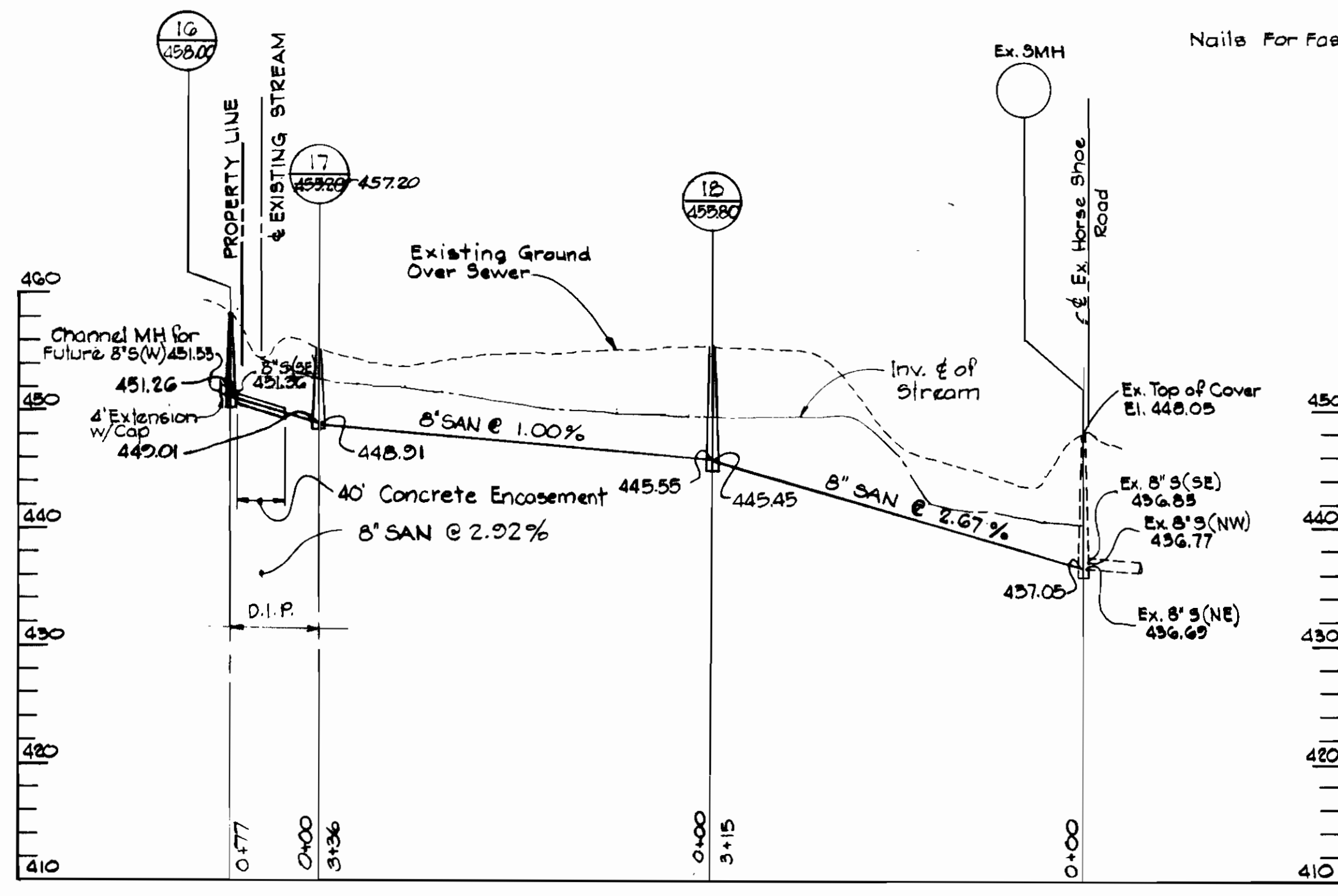
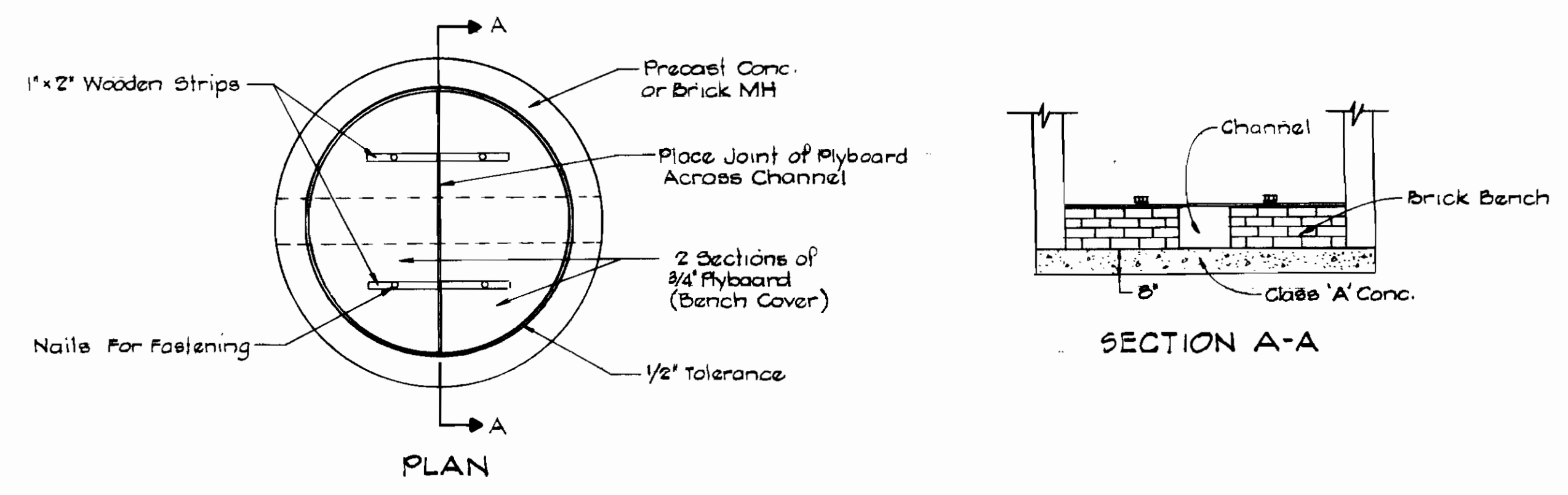
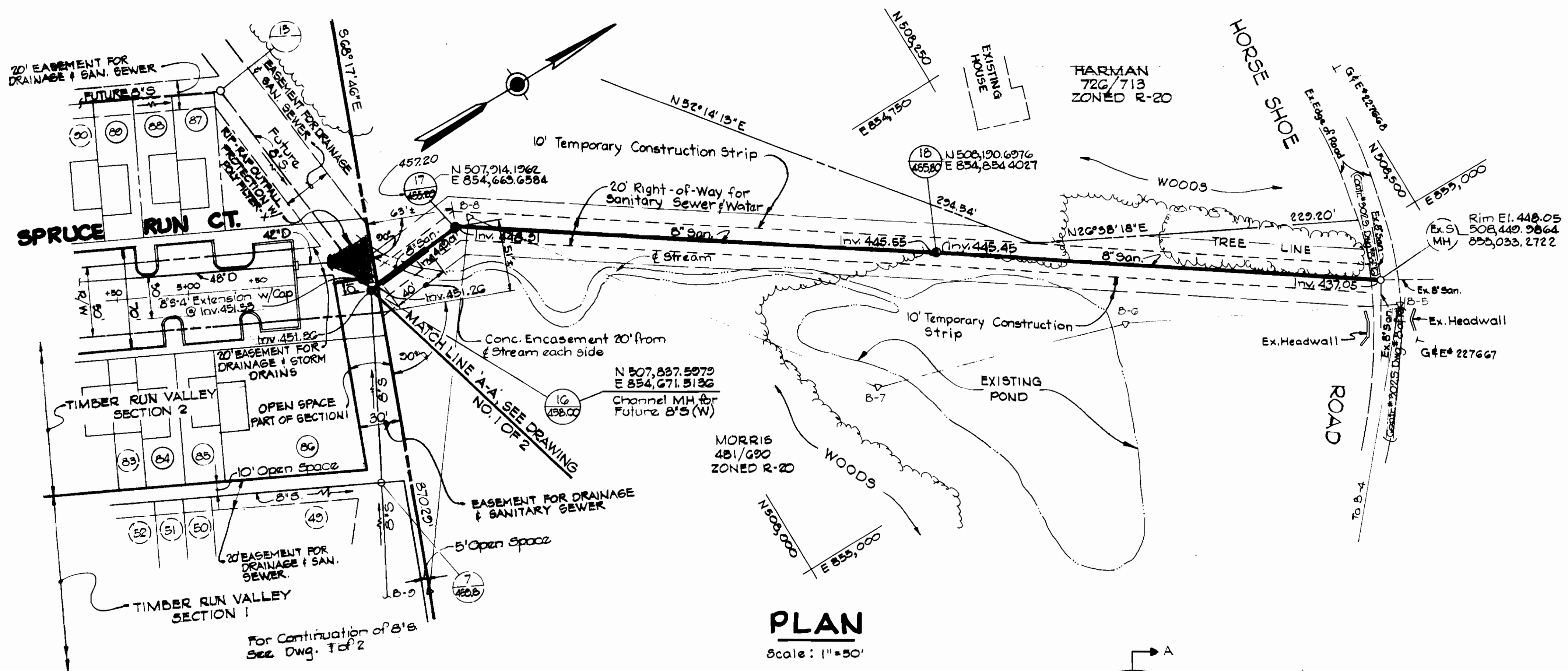
DATE _____ CHIEF-BUREAU OF _____

CONTRACT NO. ~~2351-D-W/S~~

AS-BUILT, JULY 2, 1980

DRAWING
NO. 1A
OF 2

SCALE



D.S. Thaler
ENGINEER
NO. 10,300
DATE 9/26/79

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
James L. Glavin
CHIEF - BUREAU OF UTILITIES
DATE 10/18/79
CHIEF - BUREAU OF ENGINEERING DATE

D.S. THALER & ASSOCIATES, INC.
ENGINEERS - SITE PLANNERS
3000 CLARKS LANE
BALTIMORE, MARYLAND 21218

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
Mary F. Newman
DIRECTOR OF PUBLIC WORKS
DATE 10-18-79

CONTRACT NO.
2851-D-W#S

PLAN & PROFILES
OF OUTFALL SEWER
AND WATER MAINS

TIMBER RUN VALLEY
SECTION 1
ELECTION DISTRICT NO. 2
TIMBER RUN VALLEY

DRAWING
NO. 2
OF 2

SCALE
1" = 50'

TIMBER RUN VALLEY
CONTRACT No. - 2851-D-W#S

JANUARY 22, 1979
AS-BUILT JULY 2, 1980