

SEDIMENT CONTROL NOTES

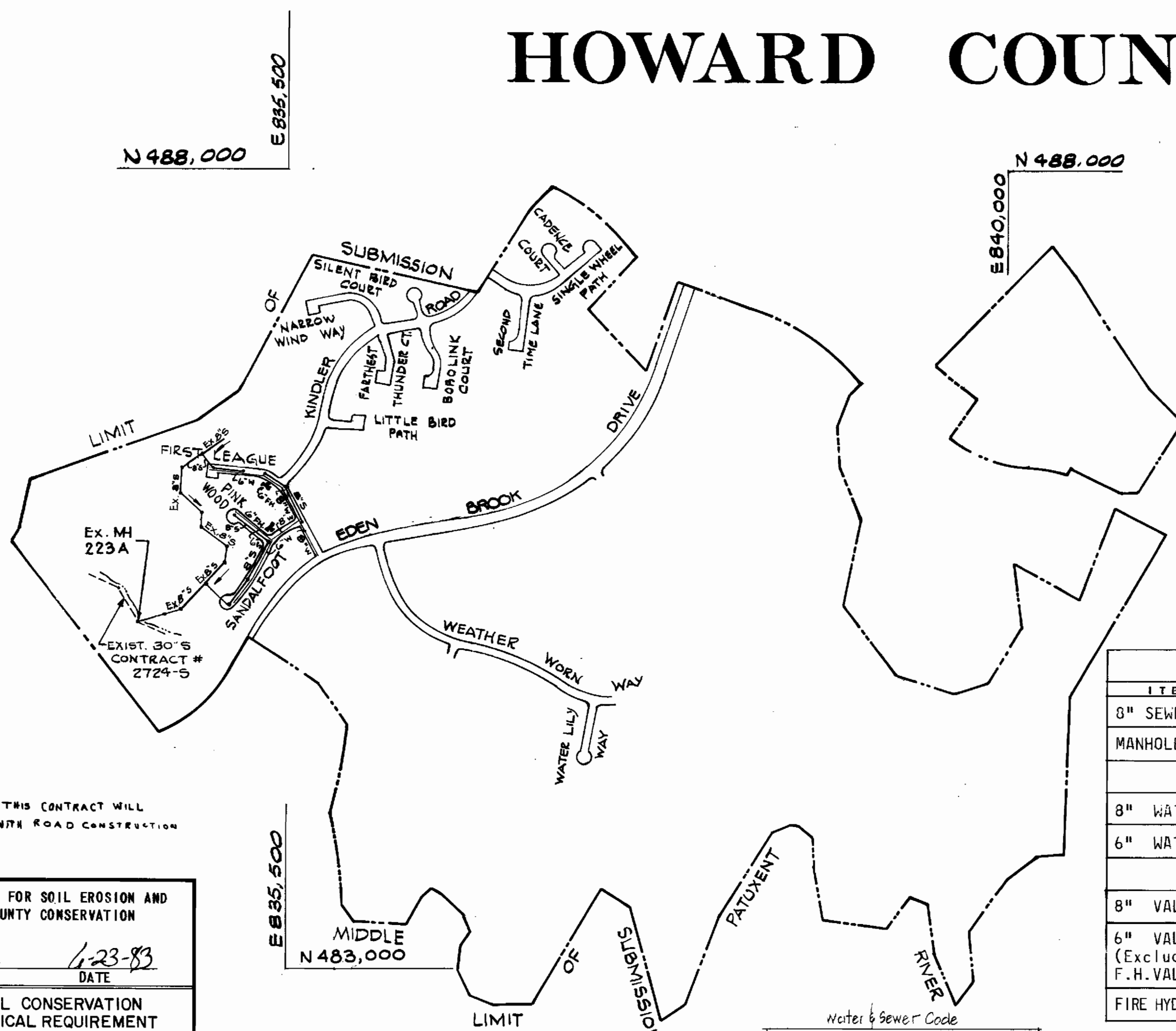
1. MATERIAL FROM TRENCH EXCAVATION TO BE PLACED ON UPHILL SIDE OF TRENCH.
2. CONTRACTOR TO BACKFILL, COMPACT AND STABILIZE IMMEDIATELY AFTER INSTALLATION OF PIPE. NO TRENCHES WILL BE LEFT OPEN AT THE END OF EACH DAY, EXCEPT THAT PORTION WHERE WORK HAS STOPPED.
3. ANY SEDIMENT CONTROL FACILITIES ENCOUNTERED DURING PIPE CONSTRUCTION TO BE RETURNED TO ORIGINAL CONDITION IMMEDIATELY UPON COMPLETION OF THAT PORTION OF THE WORK.

VILLAGE OF KINGS CONTRIVANCE

SECTION 2, AREA 3, PHASE II, PART I

CONTRACT NO. 34-0909-D

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND



SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH ROAD CONSTRUCTION PLANS F-80-96.

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY CONSERVATION DISTRICT
 APPROVED: *[Signature]* DATE: 4-23-83
 HOWARD S.C.D.

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT
 Signature: *[Signature]* DATE: 6-24-83
 U.S. SOIL CONSERVATION SERVICE

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 Robert M. Reisinger 7-6-83 DATE: 7/8/83
 CHIEF-BUREAU OF UTILITIES CHIEF-LAND DEVELOPMENT DIVISION

TYPE OF BUILDING: SINGLE FAMILY
 NUMBER OF LOTS: 54
 NUMBER OF WATERHOUSE CONN.: 54
 NUMBER OF SEWERHOUSE CONN.: 50
 DRAINAGE AREA: MIDDLE PATUXENT

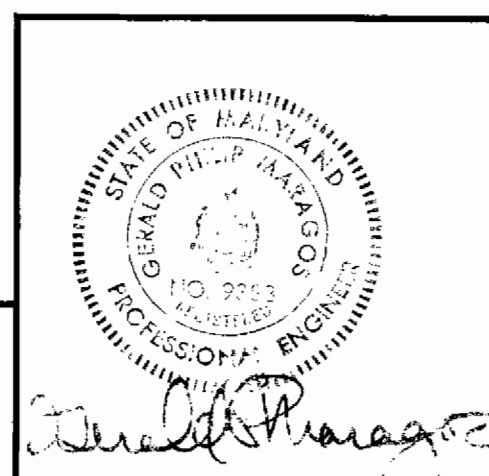
Water & Sewer Code
 Sewer Code: 644-0000
 Water Code: E16

PLAN
 Scale: 1" = 600'

QUANTITIES				
ITEM	UNIT	ESTIMATED	AS-BUILT	MATERIAL/SUPPLIER
8" SEWER	L.F.	1919	1895	SDA-25 PVC JOHN'S-MANVILLE
MANHOLE	NO	9	9	E.A. QUIPIN MACHINE SHOP, INC.
8" WATER	L.F.	950	957	CLASS 52 DIP GRIFFIN PIPE
6" WATER	L.F.	1240	1267	CLASS 52-DIP GRIFFIN PIPE
8" VALVE	NCS.	4	4	CLASS 250 GRIFFIN PIPE
6" VALVE (Excluding F.H. VALVES)	NO.	3	3	CLASS 250 GRIFFIN PIPE
FIRE HYDRANT	NO.	4	4	MUELLER

Rev No	Rev Date	Description
3-11-83		REVISE CONTRACT LIMIT
6-12-83		REMOVE SAN. OUTFALL FROM CONTRACT
7/2/81		ADDED NOTE #24
7/2/81		REVISED QUANTITIES
2/26/81		Changed D.H.'s to lot 77 & 181

VILLAGE OF KING'S CONTRIVANCE
 Section 2, Area 3, Phase II, Part I
 C 34-0909-D



GENERAL NOTES

1. APPROXIMATE LOCATION OF EXISTING MAINS ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING SERVICES AND MAINTAIN UNINTERRUPTED SUPPLY. ANY DAMAGE INCURRED SHALL BE REPAIRED IMMEDIATELY.
2. ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
3. ALL WATER MAINS TO BE C.I.P./D.I.P. UNLESS OTHERWISE NOTED.
4. THE CONTRACTOR SHALL LOCATE EXISTING UTILITIES A MINIMUM OF TWO WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS IN VICINITY OF UTILITIES.
5. ALL WATER HOUSE CONNECTIONS SHALL BE FOR INSIDE METER SETTING.
6. FOR ALL STANDARD DETAILS, SEE STANDARDS BOUND IN SPECIFICATIONS.
7. THE CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITHIN 2'-0" OF EXTERIOR MANHOLE WALLS.
8. SOIL AROUND FIRE HYDRANTS TO BE COMPACTED IN ACCORDANCE WITH SECTION 5-15 OF THE STANDARD SPECIFICATIONS.
9. ALL HORIZONTAL AND VERTICAL CONTROLS ARE BASED ON MARYLAND STATE DATUM.
10. PLACE REGULATION "MEN WORKING" AND WARNING SIGN AS REQUIRED TO COMPLY WITH MARYLAND STATE HIGHWAY ADMINISTRATION MANUAL OF TRAFFIC CONTROL FOR HIGHWAY CONSTRUCTION AND MAINTENANCE OPERATIONS.
11. ALL WATER MAINS TO HAVE A MINIMUM OF 3 1/2' COVER UNLESS OTHERWISE NOTED.
12. 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.
13. CLEAR ALL UTILITIES BY A MINIMUM OF 12-INCHES.
14. ALL FIRE HYDRANTS SHALL BE STRAPPED TO TEES AND SHALL BE BUTTRESSED WITH CONCRETE IN ACCORDANCE WITH STANDARD DETAILS.
15. 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.
16. ALL SEWERS SHALL BE V.C.P.X., C.S.P.X., OR A.C.P., CLASS 2400 UNLESS OTHERWISE NOTED.
17. ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER UNLESS OTHERWISE NOTED.
18. PROFILE STATIONS SHALL BE ADJUSTED AS NECESSARY TO CONFORM TO PLAN DIMENSIONS.
19. BLOCK ALL FITTINGS WITH CONCRETE. SEE STANDARDS BOUND IN SPECIFICATIONS.
20. BURY LINE ELEVATIONS ON FIRE HYDRANTS SHALL BE SET TO THE ELEVATIONS SHOWN ON DRAWINGS.
21. COST OF STRAPPING HYDRANTS AND VALVES TO TEES SHALL BE INCLUDED IN THE UNIT PRICES BID FOR FURNISHING AND LAYING WATER MAINS.
22. CONTRACTOR SHOULD NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE (5) DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:
 - Bureau of Utilities 932-2366
 - CHESAPEAKE AND POTOMAC TELEPHONE CO. 725-9976
 - BALTIMORE GAS AND ELECTRIC CO.
 - UNDERGROUND ELECTRIC DISTRIBUTION ENGR. 234-5691
 - DAMAGE CONTROL 559-0100
 - UNDERGROUND GAS DISTRIBUTION ENGR. 393-3649
 - BELL TELEPHONE SYSTEM 393-3649
 - LONG DISTANCE CABLE DIVISION 393-3653

CENTURY ENGINEERING, INC.
 CONSULTING ENGINEERS - PLANNERS
 TOWSON, MARYLAND 21204

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 G. F. Newman 7-8-83 DATE: 7/8/83
 DIRECTOR OF PUBLIC WORKS CHIEF-BUREAU OF ENGINEERING

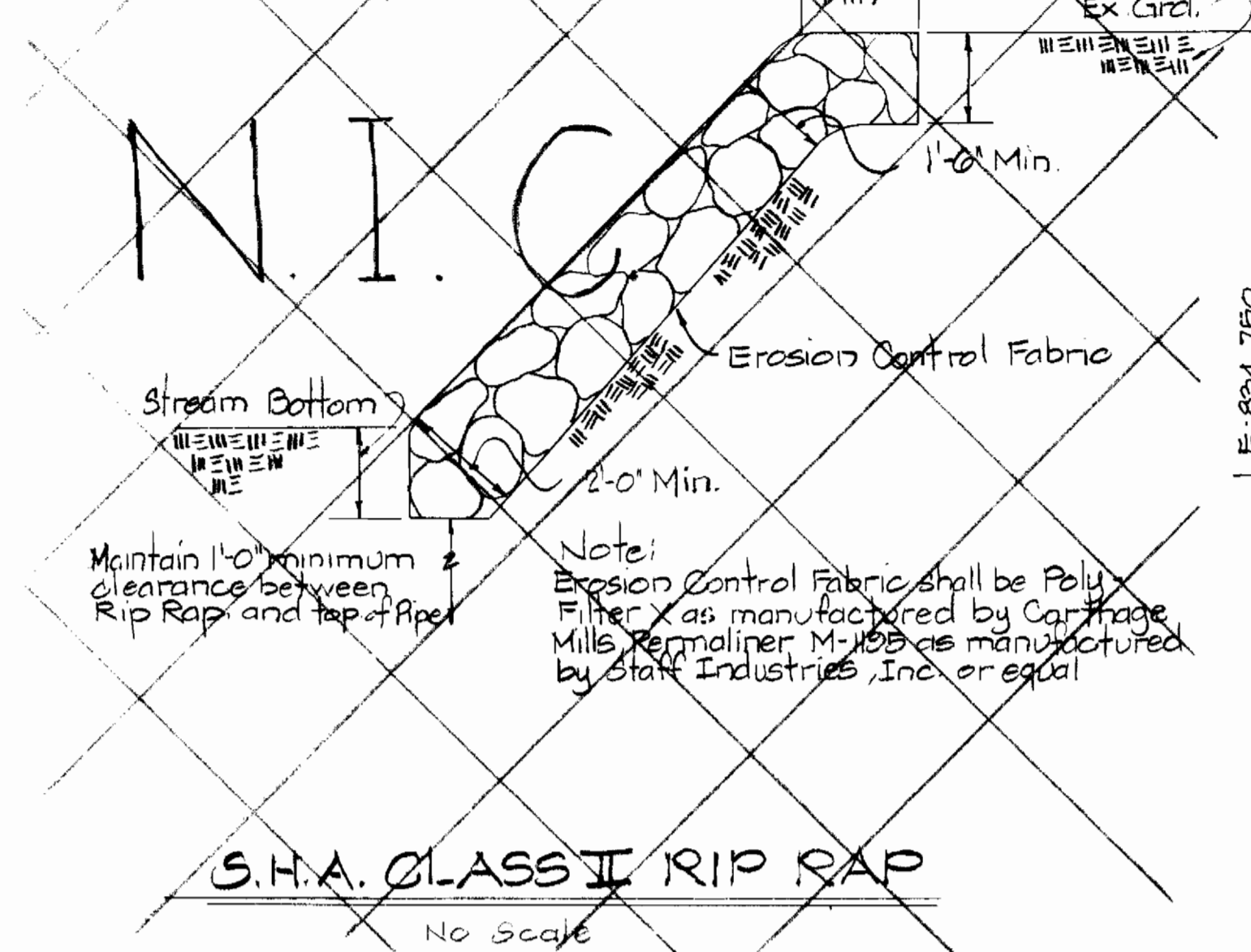
CONTRACT NO. 34-0909-D

TITLE SHEET

VILLAGE OF KING'S CONTRIVANCE
 SECTION 2, AREA 3, PHASE II, PART I
 6TH-ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

DRAWING NO. 1 OF 4
 SCALE

Rip Rap to consist of dense rocks of random shapes and sizes, resistant to the action of air and water, and suitable for bank protection.



Note: Erosion Control Fabric shall be Poly Filter X as manufactured by Cartridge Mills, Kermoliner M-105 as manufactured by Staff Industries, Inc. or equal.

NOTE: ALL MEASUREMENTS TO DOUBLE S.H.C.'S OR W.H.C.'S ARE TO THE MIDPOINT BETWEEN THE TWO CONNECTIONS. ALL W.H.C.'S ARE 4' APART. SEPARATION BETWEEN DOUBLE S.H.C.'S IS AS NOTED.

NOTE: NUMBERS SHOWN BELOW LOT NUMBERS INDICATES THE LOWEST FLOOR ELEVATION THAT SHOULD BE SET FOR EACH HOUSE TO BE SERVED BY THE 8" GRAVITY SEWER CONSTRUCTED UNDER THIS CONTRACT.

NOTE: If Phase II Part 4 is constructed prior to Phase II Part 1, remove cap and tie into existing 8" water with 8" sleeve & spacer. If Part I is constructed prior to Part 4, install 8" cap.

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
Robert M. ... 7-6-83
CHIEF-BUREAU OF UTILITIES DATE CHIEF-LAND DEVELOPMENT DIVISION DATE

CENTURY ENGINEERING, INC.
CONSULTING ENGINEERS-PLANNERS
TOWSON, MARYLAND 21204

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
... 7-8-83
DIRECTOR OF PUBLIC WORKS DATE CHIEF-BUREAU OF ENGINEERING DATE

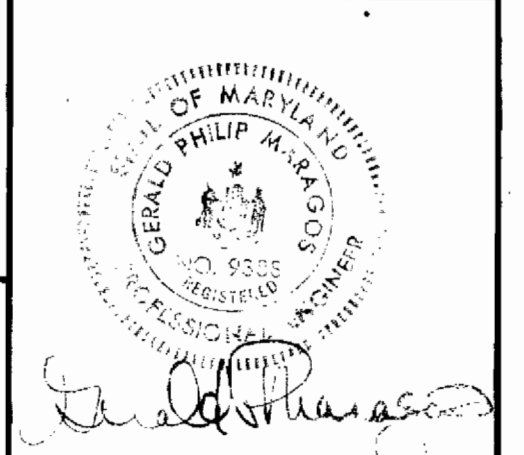
CONTRACT NO. 34-0909-D

PLAN OF WATER & SEWER MAINS

VILLAGE OF KING'S CONTRIVANCE SECTION 2, AREA 3, PHASE II, PART I
6TH ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

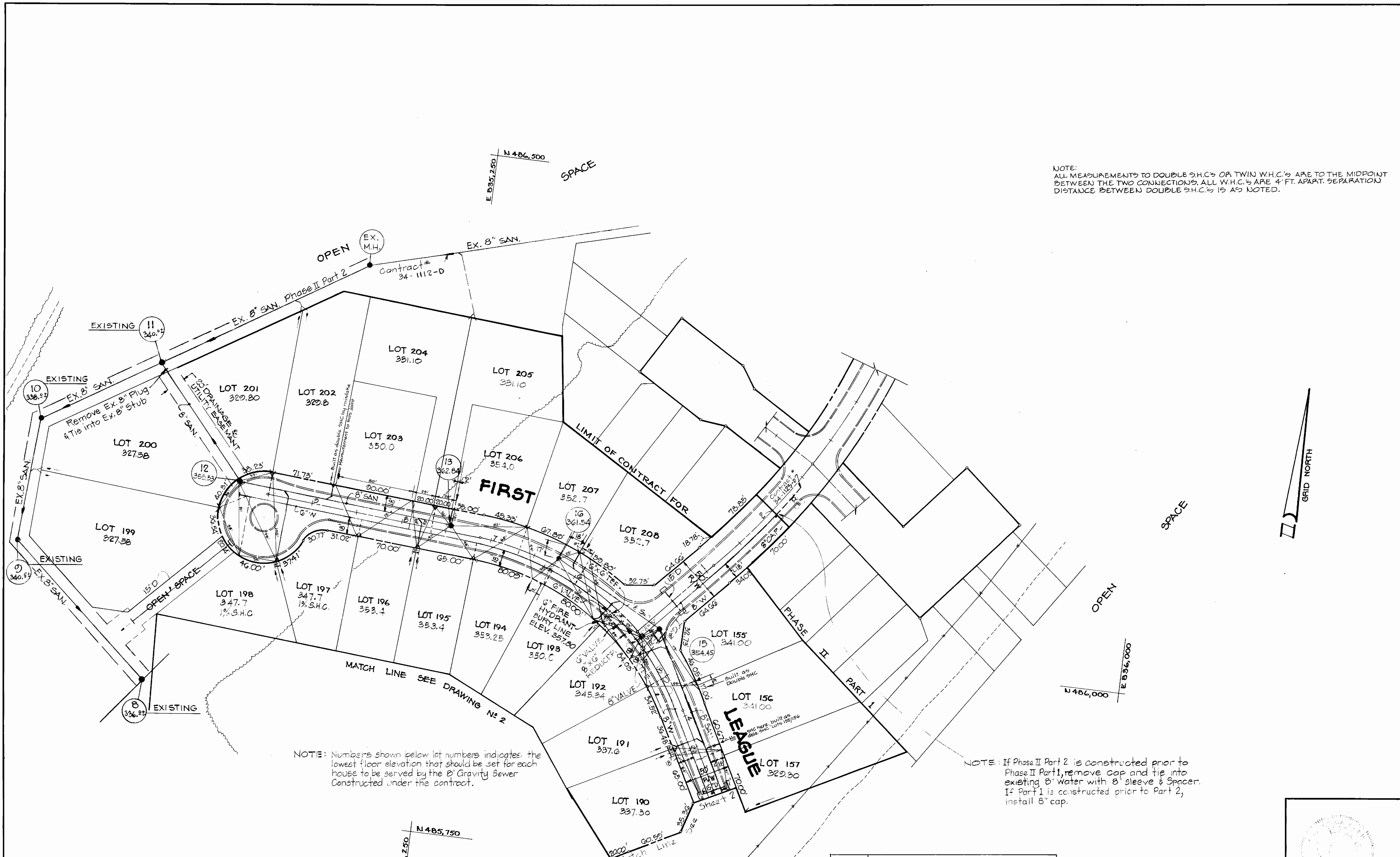
DRAWING NO. 2 OF 4
SCALE 1" = 50'

Rev. No.	Rev. Date	Description
10-13-83		REMOVED OUTFALL SEWER FROM CONTRACT REVISED VARIOUS LOT FLOOR ELEV. REVISED TOP ELEV. M.H. 20
7/2/81		REMOVED CONC. ENCASUREMENT
7/2/81		DIMENSIONED W/S LOCATIONS
7/2/81		REVISE MH TOP ELEV.
7/20/81		Changed D.H.C.'s @ 177 & 181



As Built-March 1984

7/2/83



NOTE: ALL MEASUREMENTS TO DOUBLE S.H.C.'S OR TWIN W.H.C.'S ARE TO THE MIDPOINT BETWEEN THE TWO CONNECTIONS. ALL W.H.C.'S ARE 4' FT. APART. SEPARATION DISTANCE BETWEEN DOUBLE S.H.C.'S IS AS NOTED.

NOTE: Numbers shown below lot numbers indicates the lowest floor elevation that should be set for each house to be served by the 8" Gravity Sewer Constructed under the contract.

NOTE: If Phase II Part 2 is constructed prior to Phase II Part 1, remove cap and tie into existing 8" water with 8" sleeve & spacer. If Part 1 is constructed prior to Part 2, install 6" cap.

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 Chief-Bureau of Utilities DATE 7-6-83
 Chief-Land Development Division DATE

CENTURY ENGINEERING, INC.
 CONSULTING ENGINEERS-PLANNERS
 TOWSON, MARYLAND 21204

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 Director of Public Works DATE 7/3/83
 Chief - Bureau of Engineering DATE

CONTRACT NO. 34-0909-D

PLAN OF
 WATER & SEWER MAINS

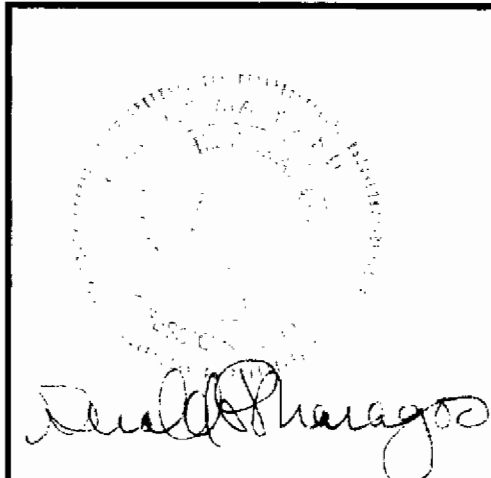
VILLAGE OF KING'S CONTRIVANCE
 SECTION 2, AREA 3, PHASE II, PART I
 6TH ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

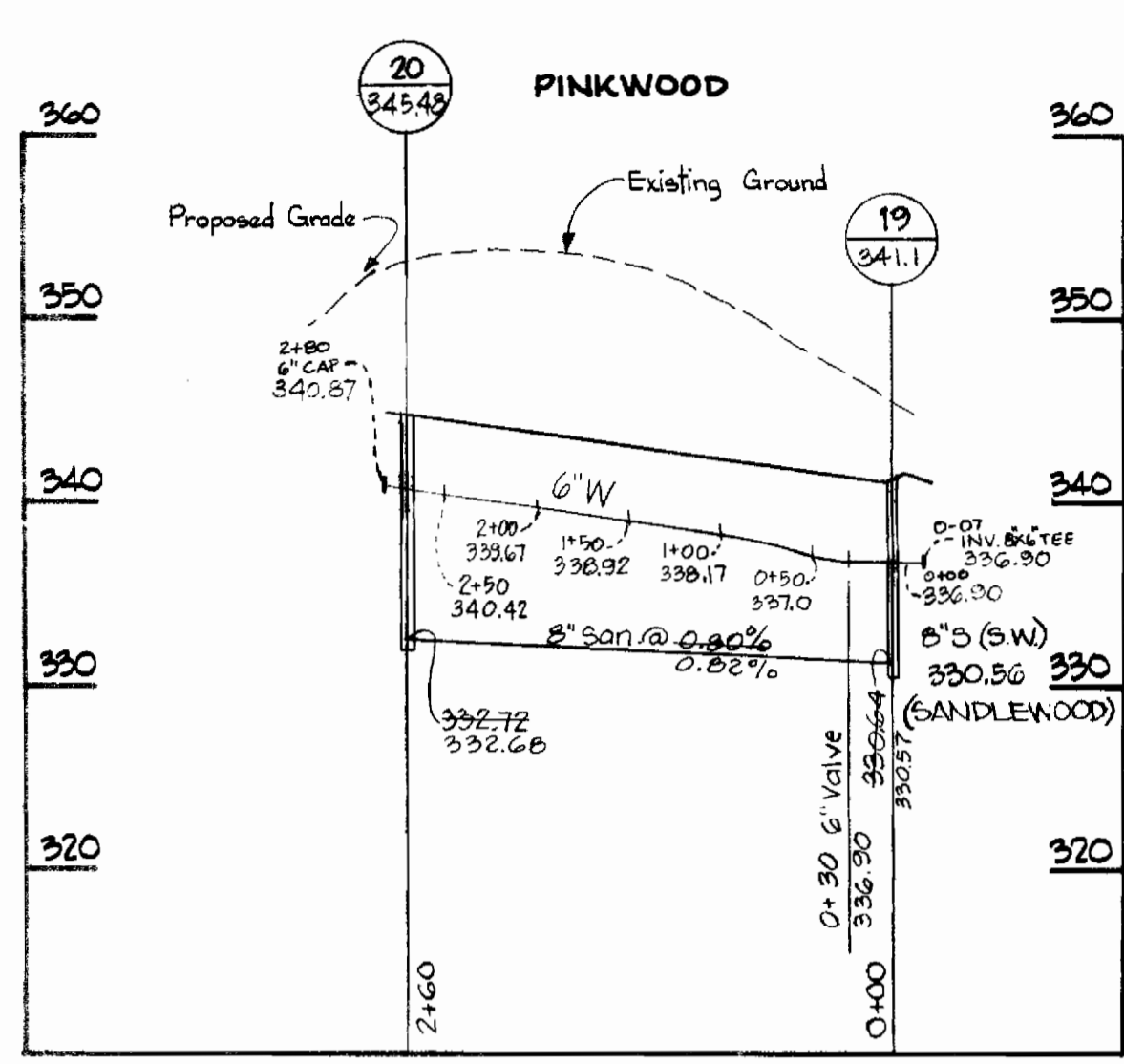
2-11-83	REVISE CONTRACT LIMIT
6-13-83	REMOVED OUTFALL SEWER FROM CONTRACT. REVISED VARIOUS LOT FLOOR ELEV. REVISED TOP ELEV. MH#12, 13, 16
7/2/81	DIMENSION W'S LOCATIONS
7/2/81	REV. MH TOP ELEVATIONS
	REVISION

C. 34-0909-D

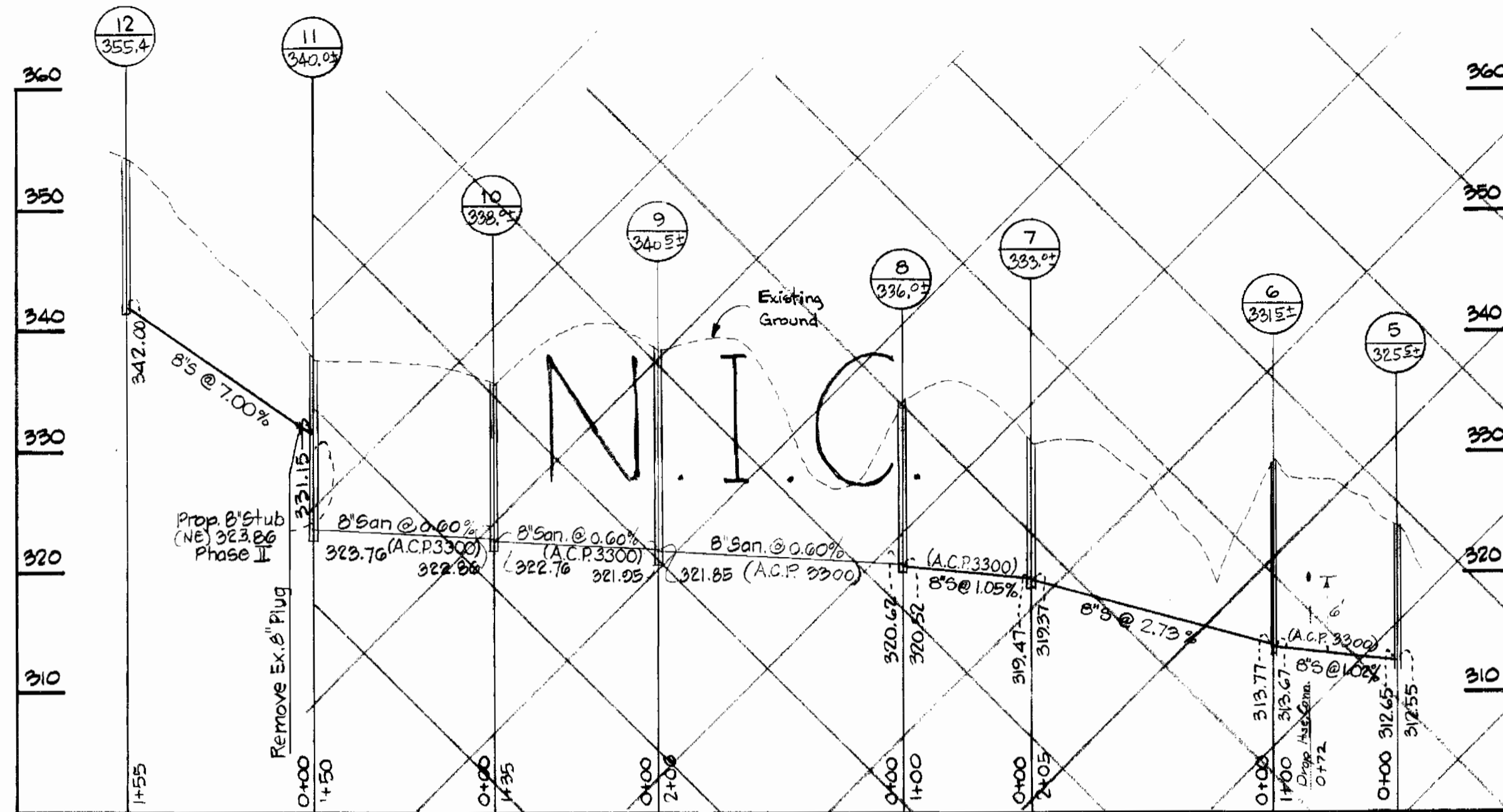
DRAWING NO. 3 OF 4

SCALE 1" = 50'

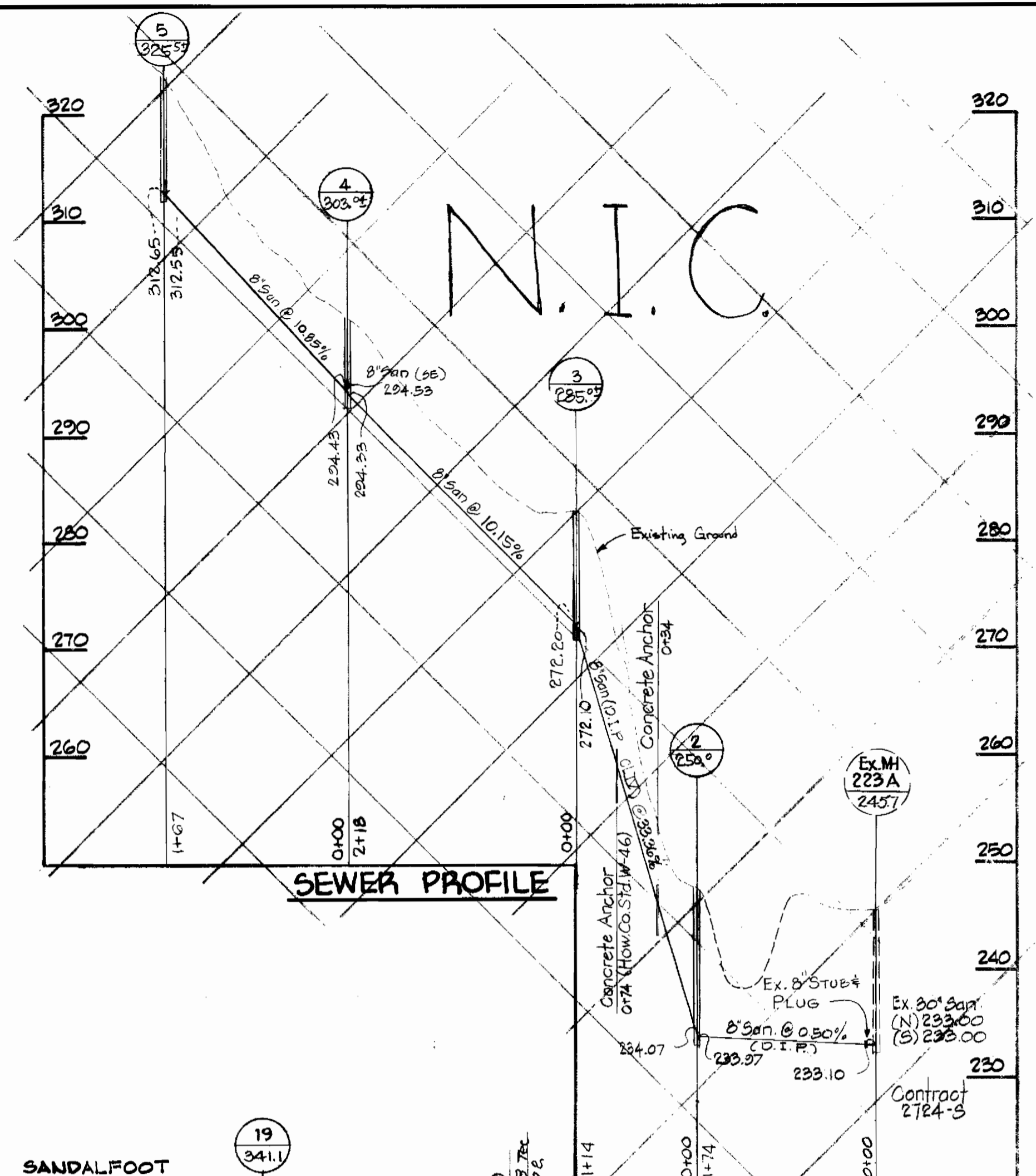




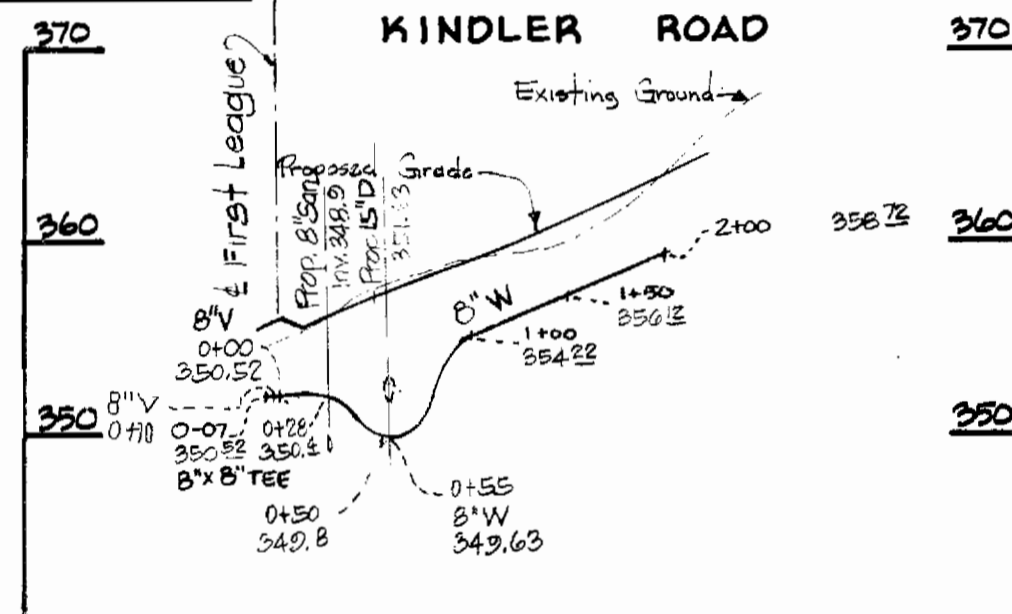
WATER AND SEWER PROFILE



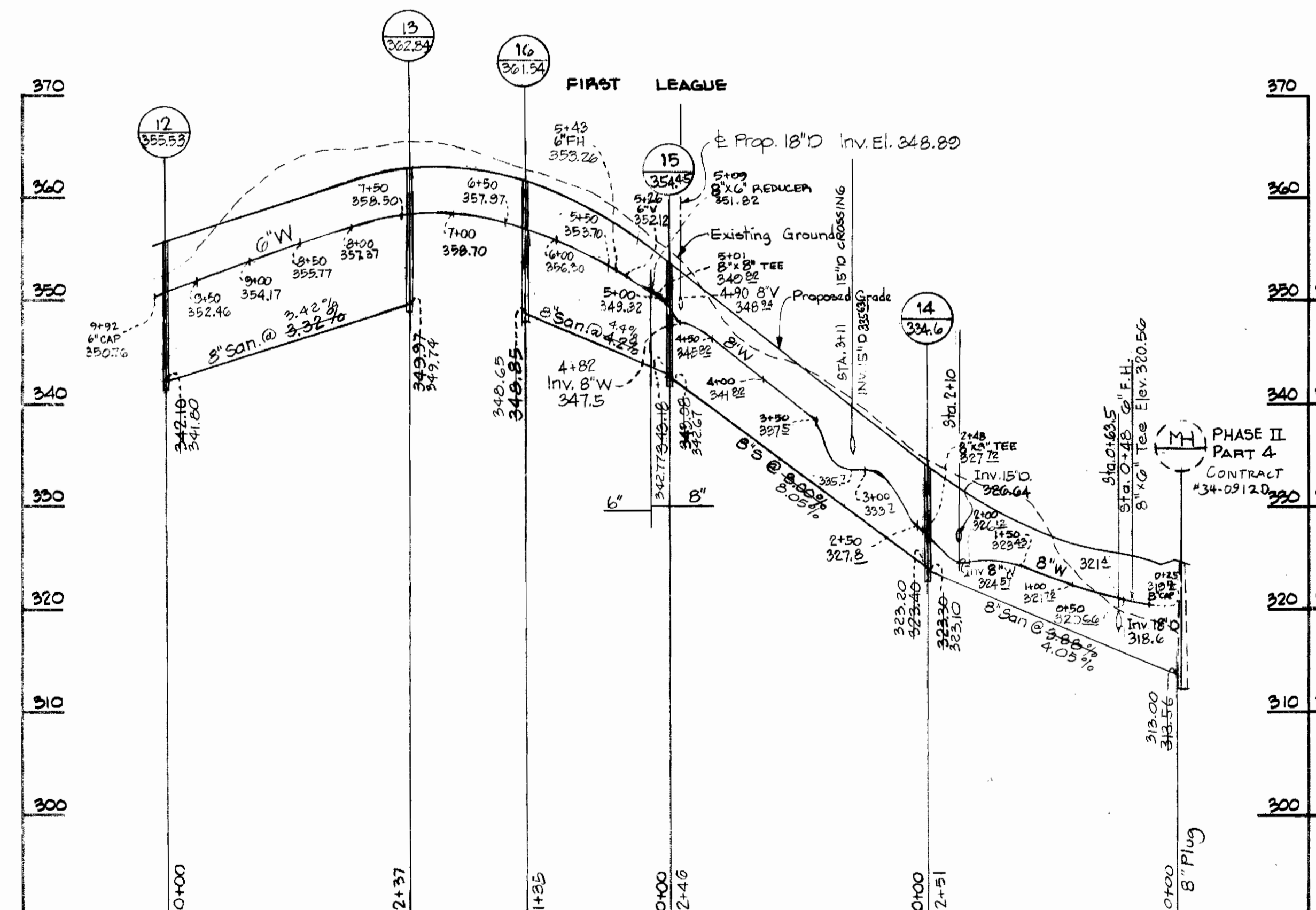
SEWER PROFILE



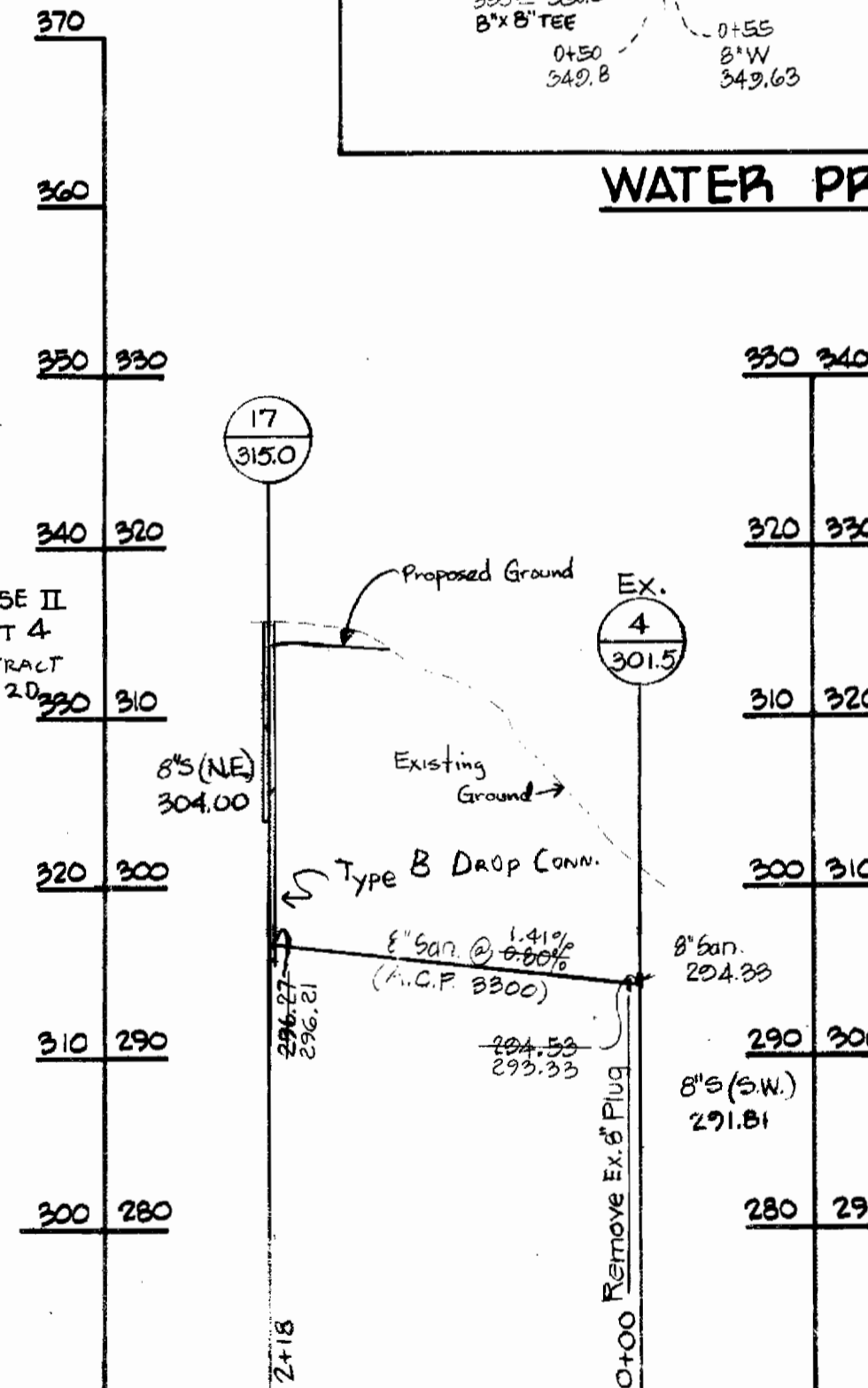
SEWER PROFILE



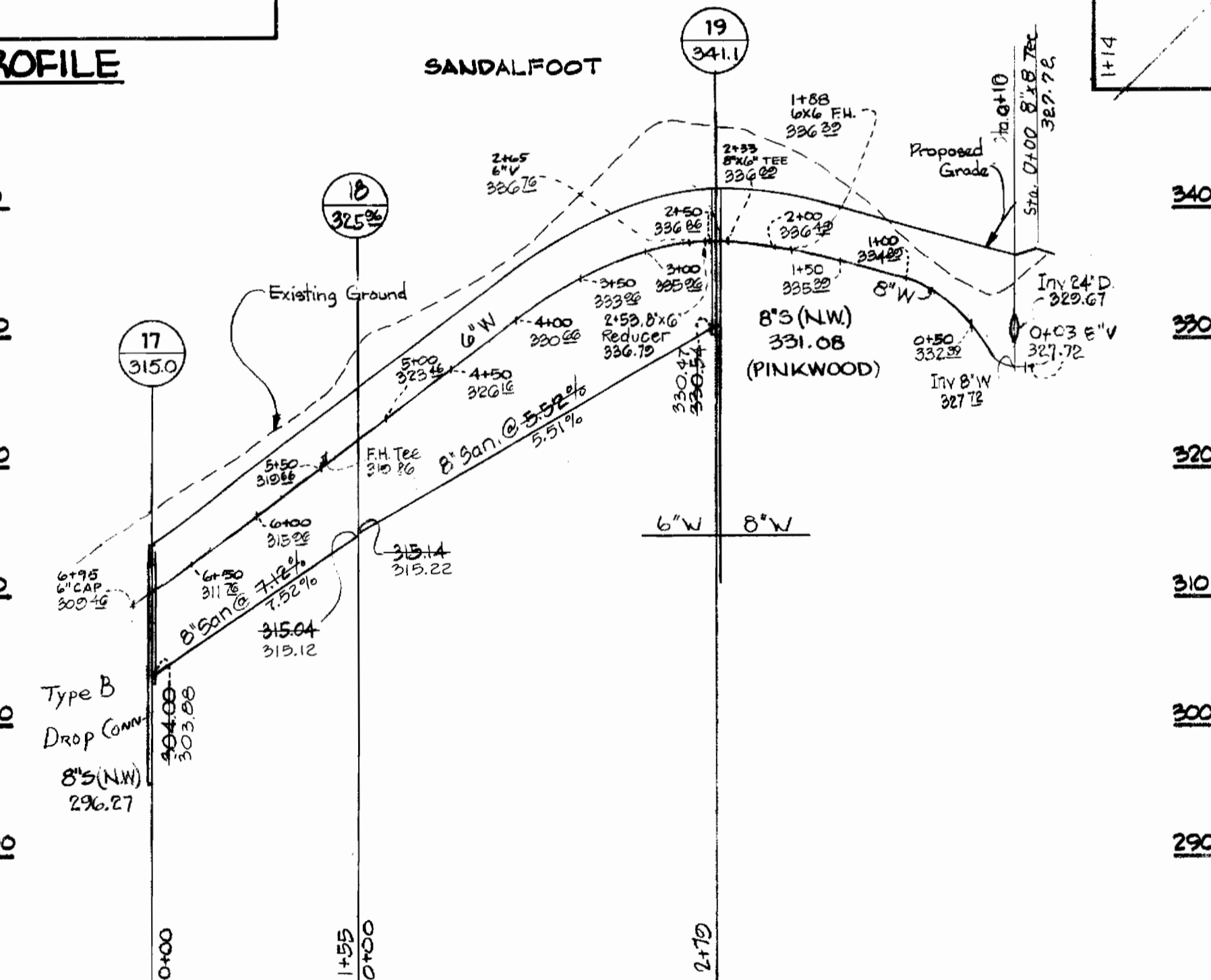
WATER PROFILE



WATER AND SEWER PROFILE



SEWER PROFILE



WATER AND SEWER PROFILE

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 R. M. ... 7-6-83
 CHIEF-BUREAU OF UTILITIES DATE CHIEF-LAND DEVELOPMENT DIVISION DATE

REMOVED OUTALL SEWER FROM CONTRACT
 REVISED WATER & SEWER PROFILES ON PINKWOOD AND
 FIRST LEAGUE
 7/2/81 15\"/>

C 34-0909-D



CENTURY ENGINEERING, INC.
 CONSULTING ENGINEERS - PLANNERS
 TOWSON, MARYLAND 21204

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 F. ... 7-8-83
 DIRECTOR OF PUBLIC WORKS DATE CHIEF-BUREAU OF ENGINEERING DATE

CONTRACT NO. 34-0909-D

PROFILES OF
 WATER & SEWER MAINS

VILLAGE OF KING'S CONTRIVANCE
 SECTION 2, AREA 3, PHASE II, PART I
 6TH ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

DRAWING NO. 4 OF 4
 SCALE HOR.: 1\"/>