

For General Notes See Drawing No. 5

CONTRACT NO 420-S
SANITARY SEWERS
HOWARD COUNTY MARYLAND
DEPARTMENT OF PUBLIC WORKS



PURDUM & JESCHKE
 ENGINEERS
 1023 N. CALVERT ST.
 BALTIMORE, MARYLAND

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 DATE: 1-26-72
 CHIEF - BUREAU OF WATER AND SEWER

CONTRACT NO. 420-S
 WSF-MD-03-05-1000

LOCATION MAP OF
 SANITARY SEWERS

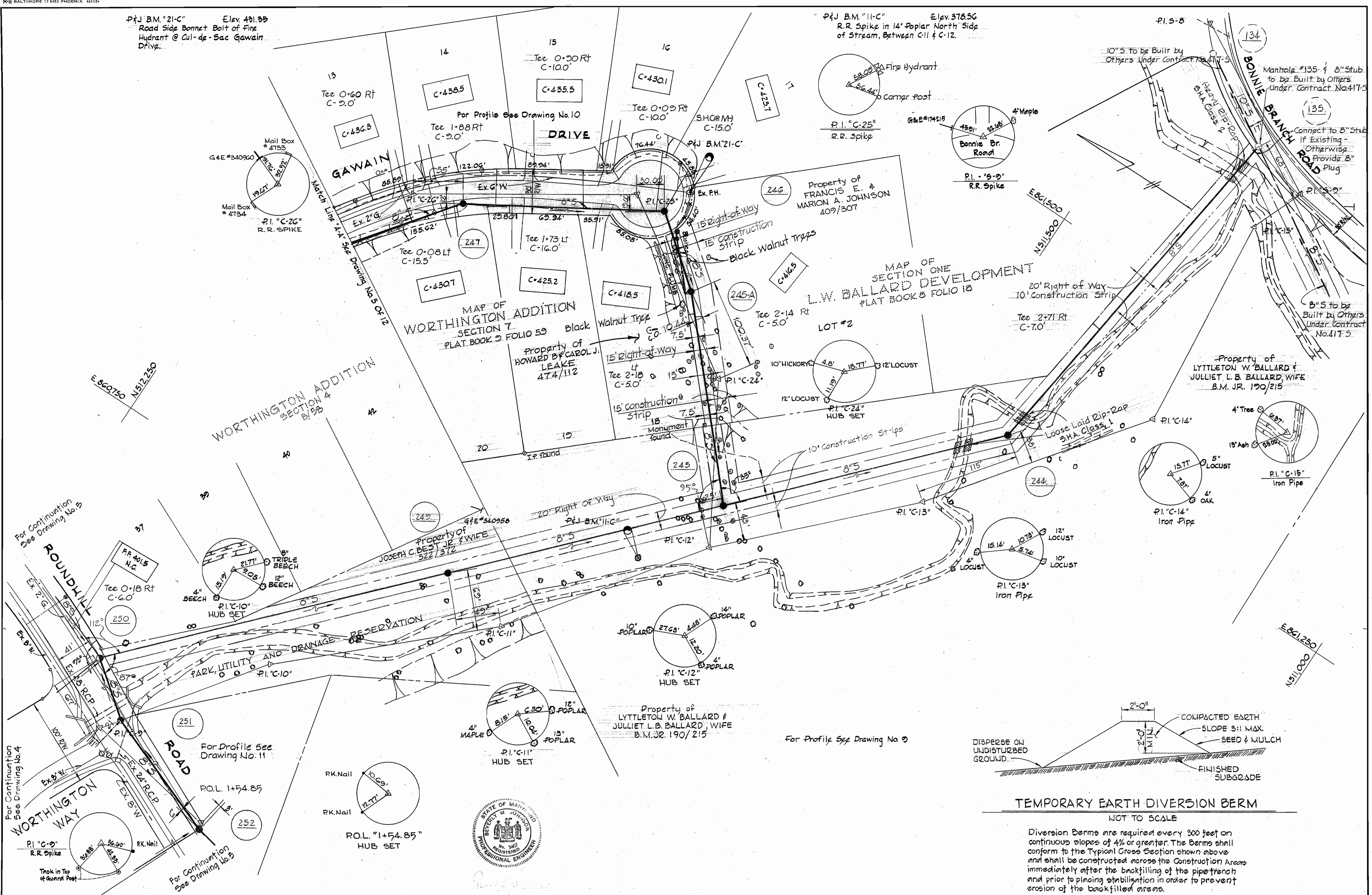
ELECTION DISTRICT NO. 2

DRAWING NO. 1 OF 12	SCALE AS SHOWN
---------------------	----------------

P&J B.M. "21-C" Elev. 491.95
Road Side Bonnet Bolt of Fire
Hydrant @ Cul-de-Sac Gawain
Drive

P&J B.M. "11-C" Elev. 378.56
R.R. Spike in 14' Poplar North Side
of Stream, Between C-11 & C-12.

P.I. S-8



MAP OF
WORTHINGTON ADDITION
SECTION 7
PLAT BOOK 2 FOLIO 59

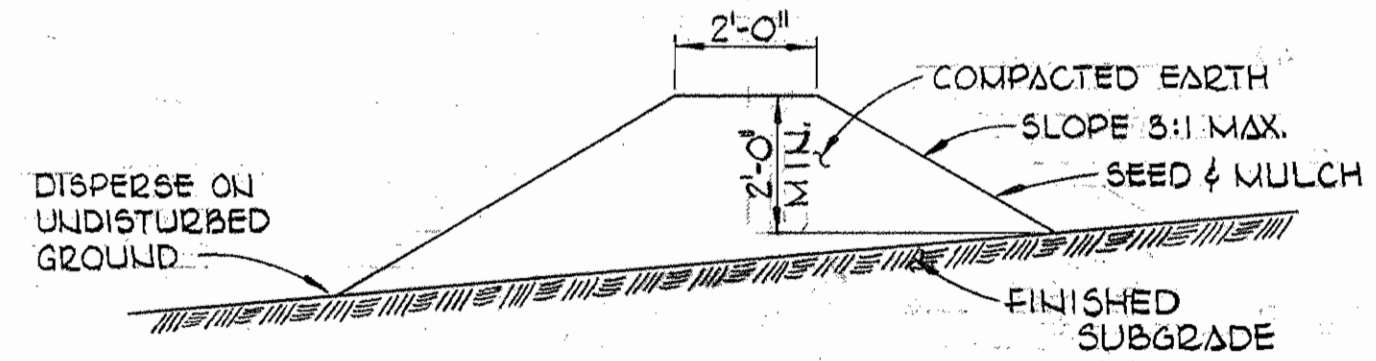
MAP OF
SECTION ONE
L.W. BALLARD DEVELOPMENT
PLAT BOOK 8 FOLIO 18

Property of
LYTLETON W. BALLARD &
JULIET L. B. BALLARD, WIFE
B.M. JR. 190/215

Property of
HOWARD B. CAROL J.
LEAKE
474/112

Property of
JOSEPH C. BEST JR. & WIFE
522/372

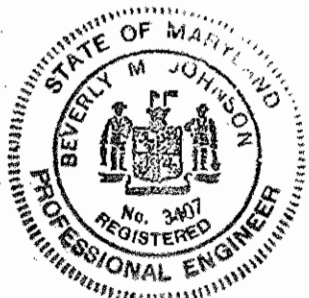
Property of
LYTLETON W. BALLARD &
JULIET L. B. BALLARD, WIFE
B.M. JR. 190/215



TEMPORARY EARTH DIVERSION BERM

NOT TO SCALE

Diversion Berms are required every 300 feet on continuous slopes of 4% or greater. The Berms shall conform to the Typical Cross Section shown above and shall be constructed across the Construction Areas immediately after the backfilling of the pipe trench and prior to placing stabilization in order to prevent erosion of the backfilled areas.



PURDUM & JESCHKE
ENGINEERS
1023 N. CALVERT ST.
BALTIMORE, MARYLAND

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
DATE 1-26-72
W.D. Falber
CHIEF - BUREAU OF WATER AND SEWER

CONTRACT NO. 420-S
WSF-MD-03-05-1000

PLAN OF
SEWER MAINS

ELECTION DISTRICT NO. 2

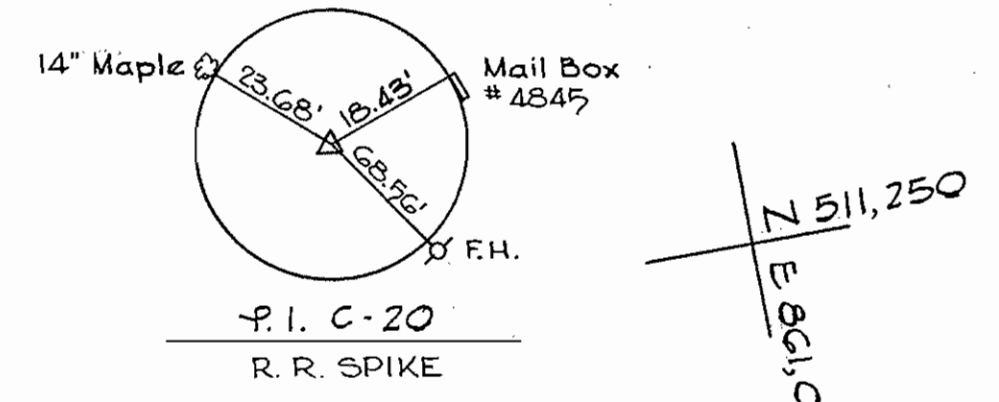
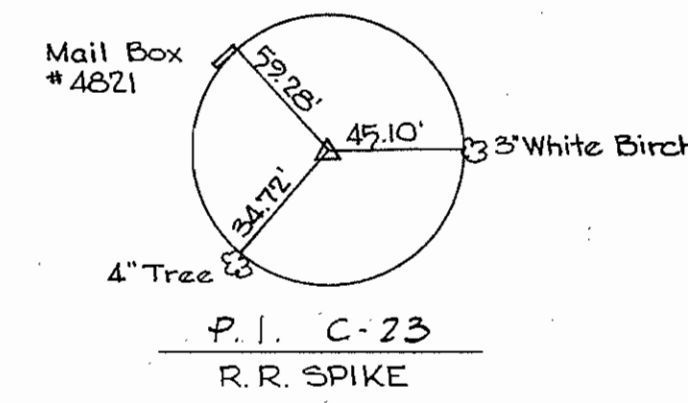
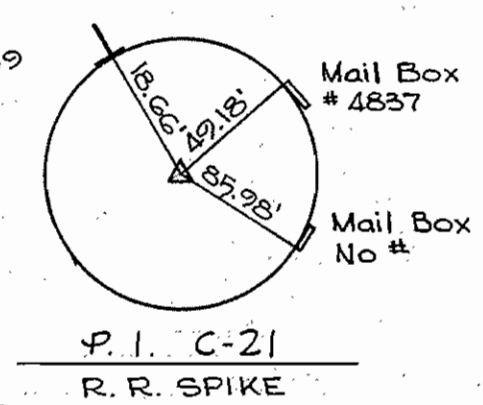
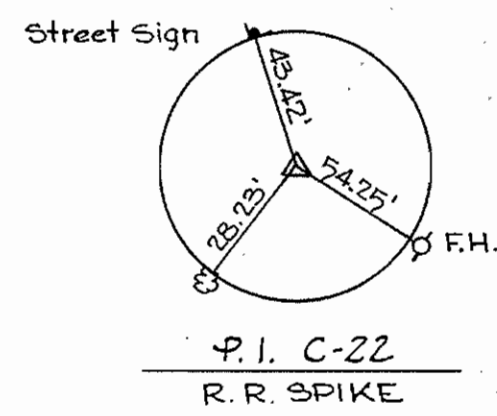
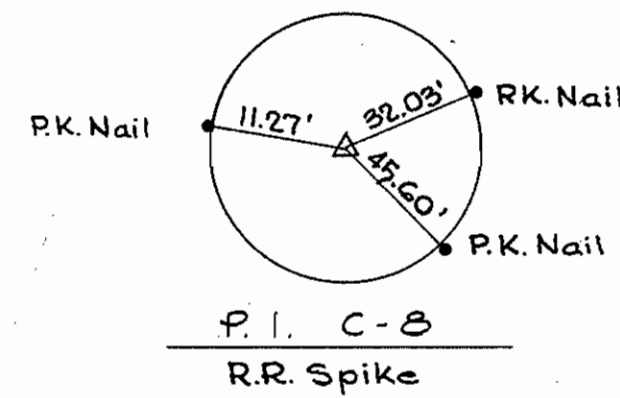
DRAWING
NO. 2
OF 12

SCALE
1" = 50'

WS 420-S/2

P&J B.M. "14-C" Elev. 463.22
 Roadside Bonnet Bolt of
 Fire Hydrant, W. side Round-
 hill Road @ Bonnie View Ct.

P&J B.M. "15-C" Elev. 469.62
 Road side Bonnet Bolt on
 Fire Hydrant in Cul-de-sac
 Bonnie View Ct.



PURDUM & JESCHKE
 ENGINEERS
 1023 N. CALVERT ST
 BALTIMORE MARYLAND

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY MARYLAND
 1-26-72 *W O Falout*

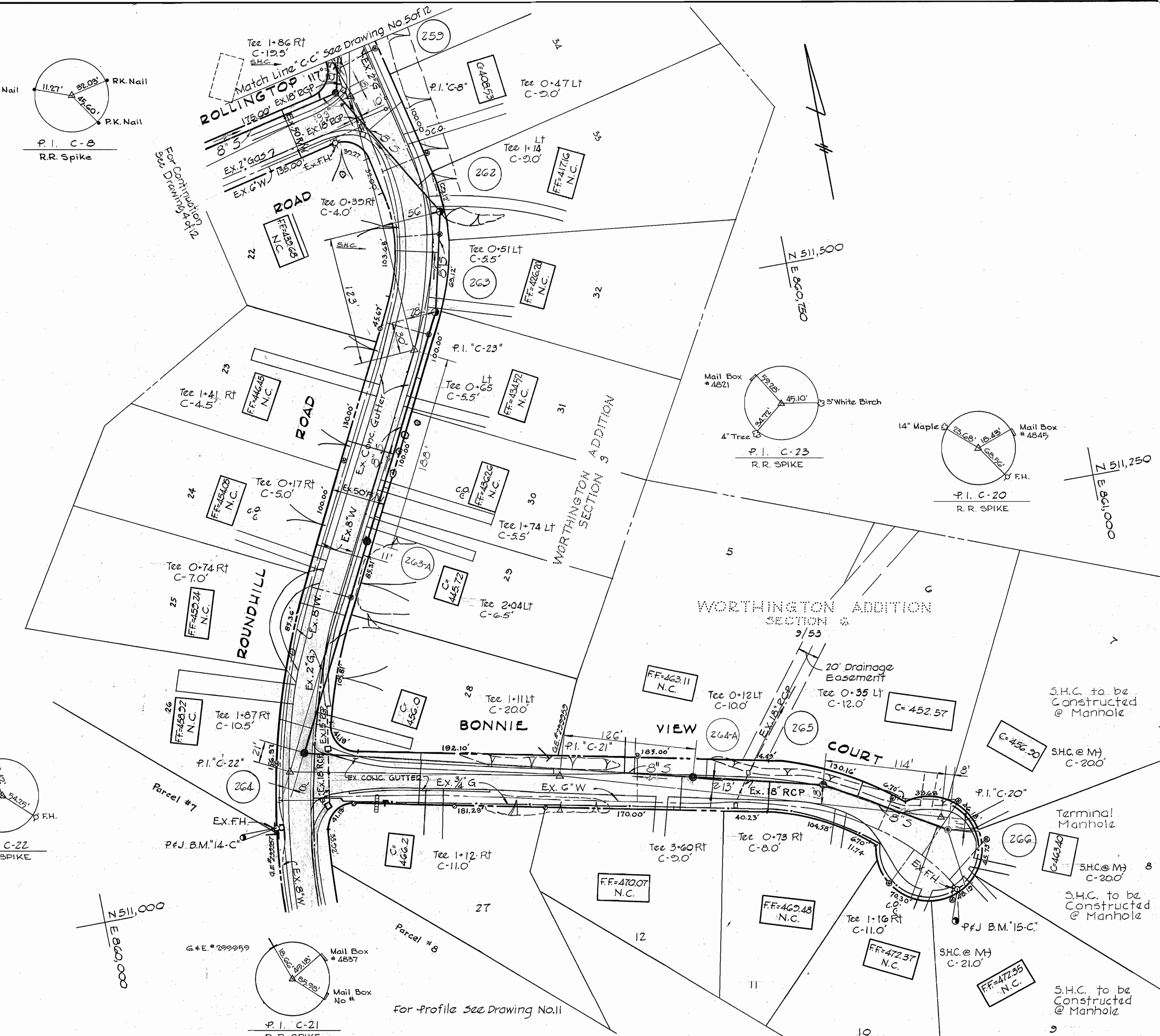
CONTRACT NO. **420-S**
 WSF-MD-03-05-1000

**PLAN OF
 SEWER MAINS**

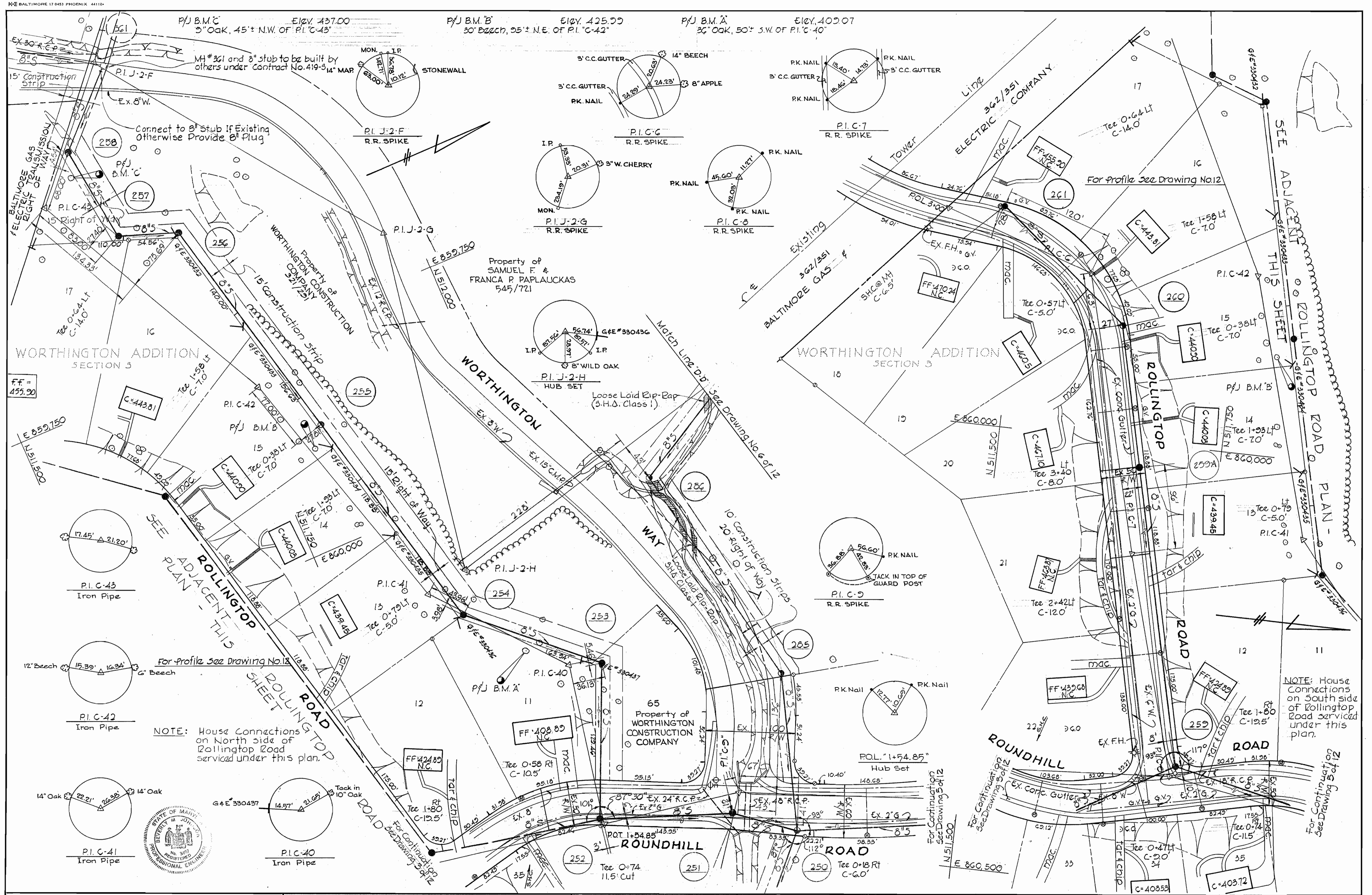
ELECTION DISTRICT NO. 2

**DRAWING
 NO. 3
 OF 12**

**SCALE
 1"=50'**



WS 420-S/3



PURDUM & JESCHKE
ENGINEERS
1023 N. CALVERT ST.
BALTIMORE, MARYLAND

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
DATE: 1-26-72
CHIEF - BUREAU OF WATER AND SEWER

CONTRACT NO. 420-S
WSF-MD-03-05-1000

PLAN OF SEWER MAINS

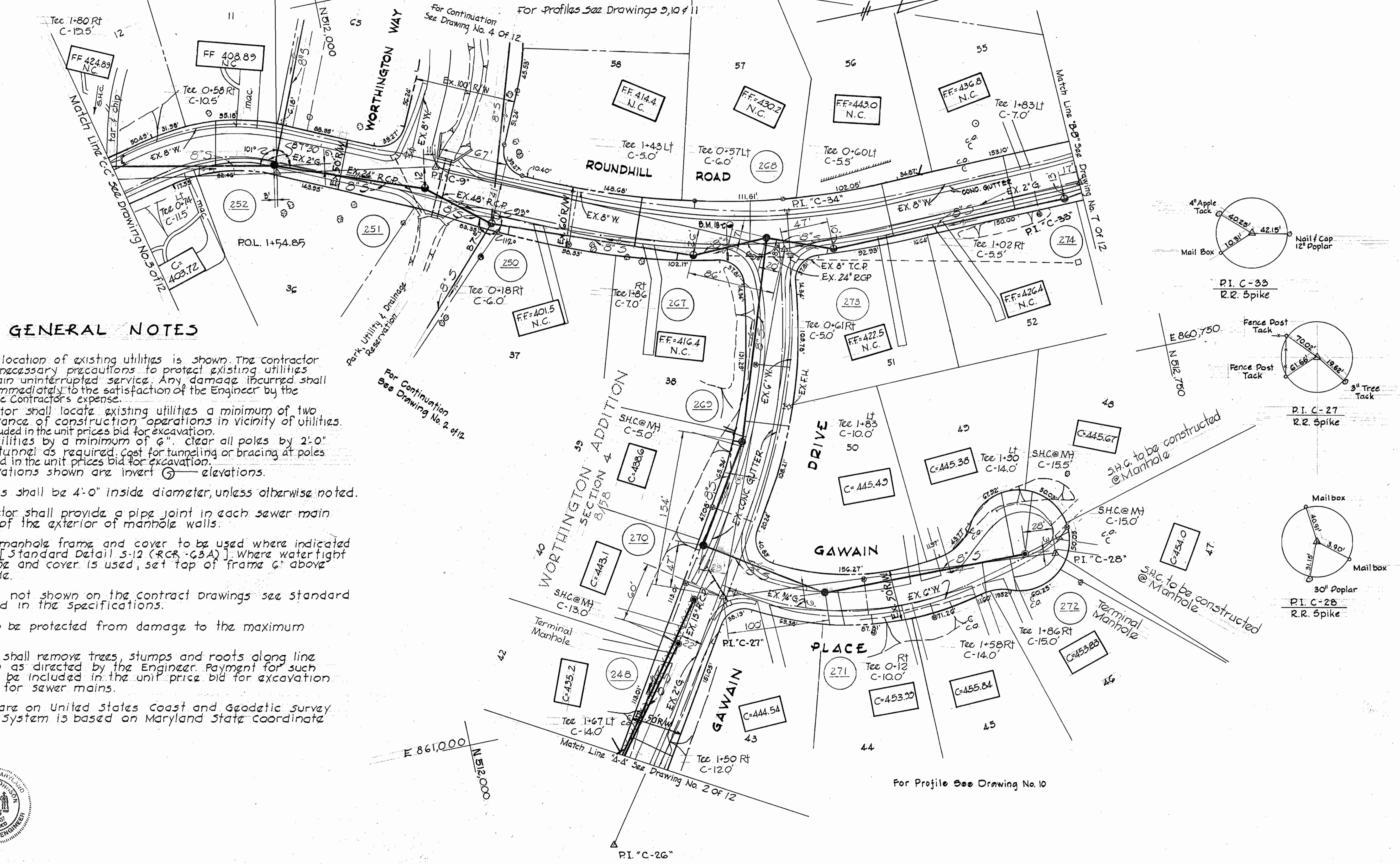
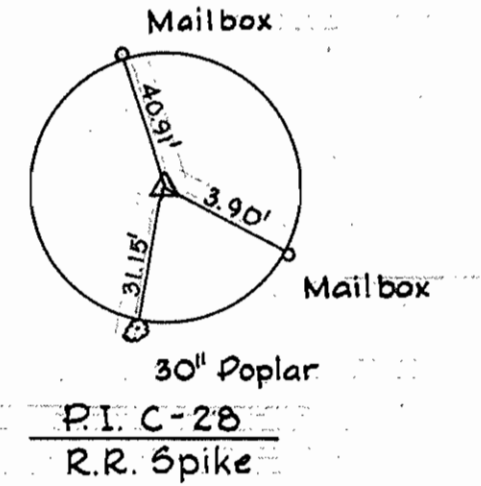
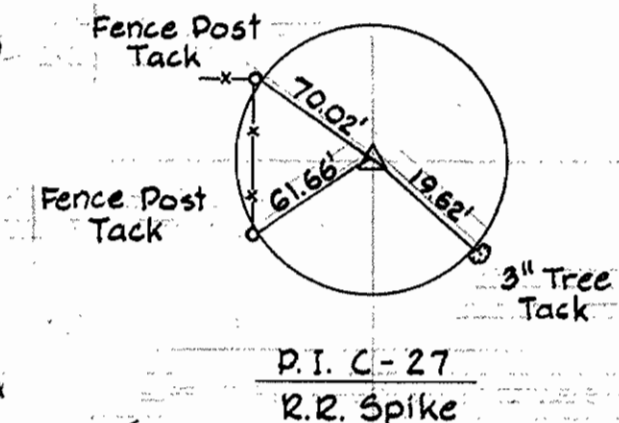
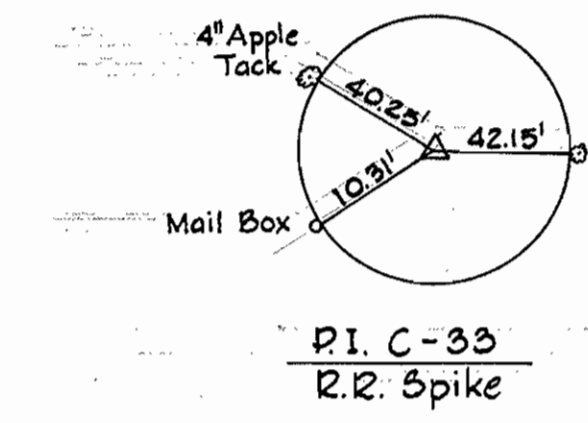
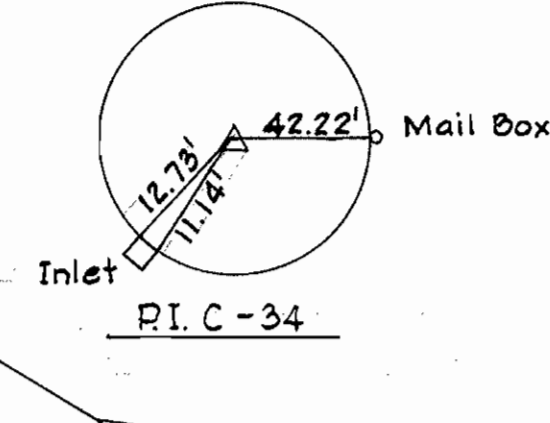
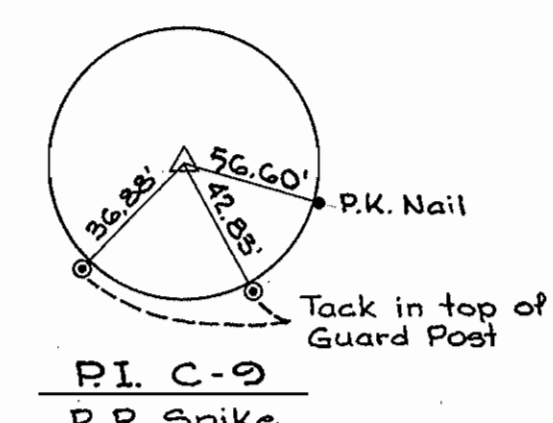
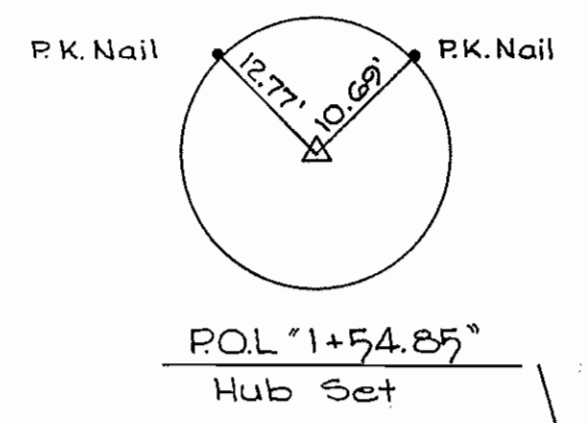
ELECTION DISTRICT NO. 2

DRAWING NO. 4 OF 12
SCALE 1" = 50'

WS 420-S/4

P & J B.M. "A" Elev. 408.07
30' Onk, 50' E.W. of P.I. "C-40"

B.M. 15-C Elev. 410.36
X-Out West End Wingwall at
S.E. corner of the Intersection
of Roundhill Road & Gawain Drive.



GENERAL NOTES

1. Approximate location of existing utilities is shown. The contractor shall take all necessary precautions to protect existing utilities and to maintain uninterrupted service. Any damage incurred shall be repaired immediately to the satisfaction of the Engineer by the Contractor at the Contractor's expense.
2. The contractor shall locate existing utilities a minimum of two weeks in advance of construction operations in vicinity of utilities. Cost shall be included in the unit prices bid for excavation.
3. Clear all utilities by a minimum of 6" clear all poles by 2'-0" minimum, or tunnel as required. Cost for tunneling or bracing at poles shall be included in the unit prices bid for excavation.
4. All pipe elevations shown are invert elevations.
5. All manholes shall be 4'-0" inside diameter, unless otherwise noted.
6. The contractor shall provide a pipe joint in each sewer main within 2'-0" of the exterior of manhole walls.
7. Watertight manhole frame and cover to be used where indicated on drawings [Standard Detail S-12 (RCR-G3A)]. Where watertight manhole frame and cover is used, set top of frame 6" above finished grade.
8. For details not shown on the contract drawings see standard details bound in the specifications.
9. Trees are to be protected from damage to the maximum extent.
10. 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 sewer mains.
11. Elevations are on United States Coast and Geodetic survey datum. Grid System is based on Maryland State Coordinate System.



PURDUM & JESCHKE
ENGINEERS
1023 N. CALVERT ST.
BALTIMORE, MARYLAND

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
1-26-72
DATE
W. O. J. Beck
CHIEF - BUREAU OF WATER AND SEWER

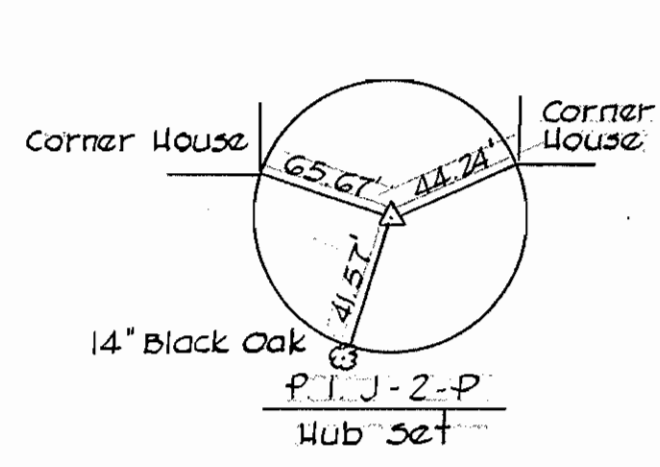
CONTRACT NO. 420-S
WSF-MD-03-05-1000

PLAN OF SEWER MAINS

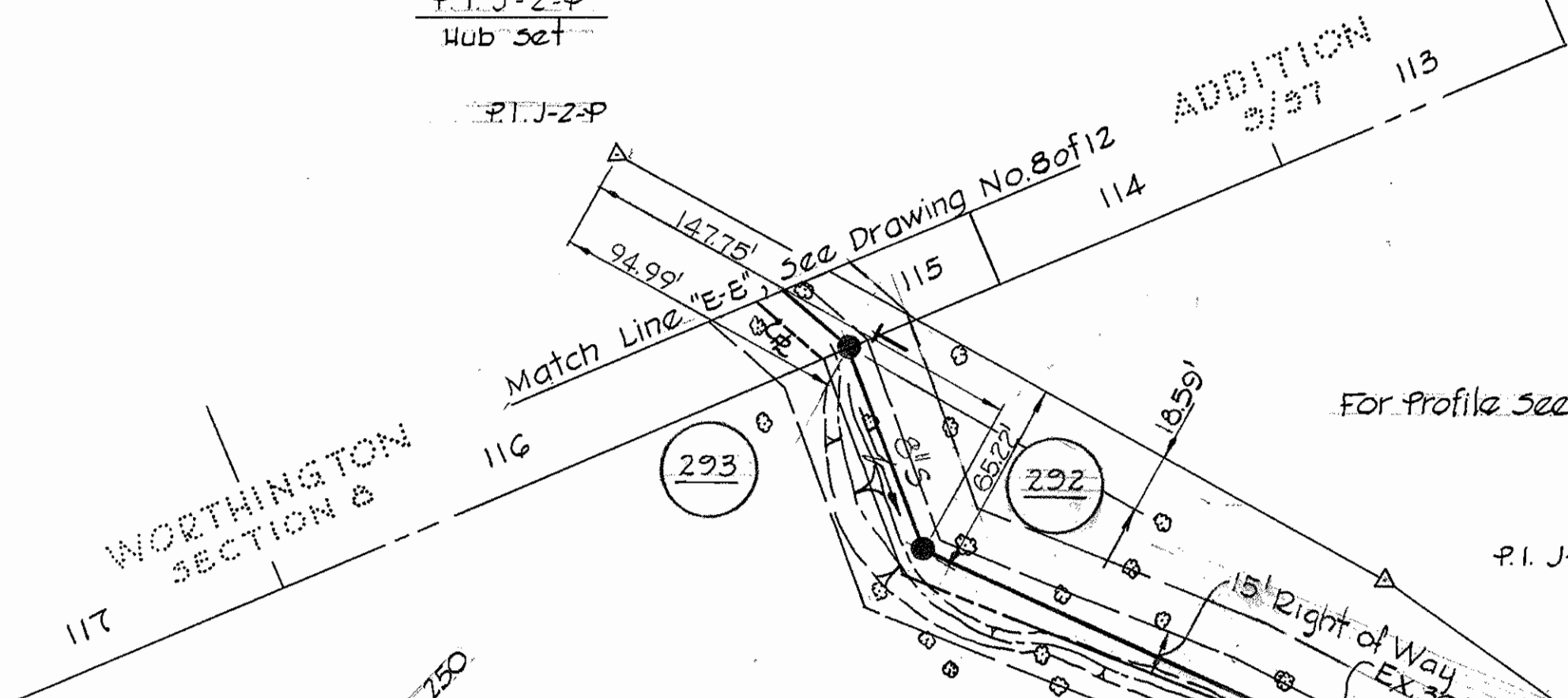
ELECTION DISTRICT NO. 2

DRAWING NO. 5 OF 12
SCALE 1"=50'

WS 420-S/5

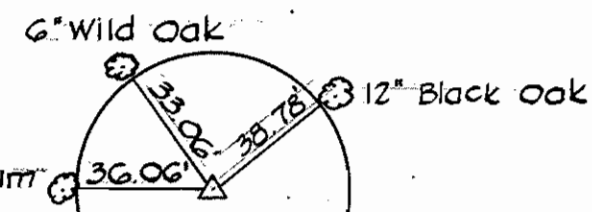


P.F.J. B.M. ELEV. 461.591
 N.W. corner of stone
 wall, 46' ± S.E. of J-2-P.

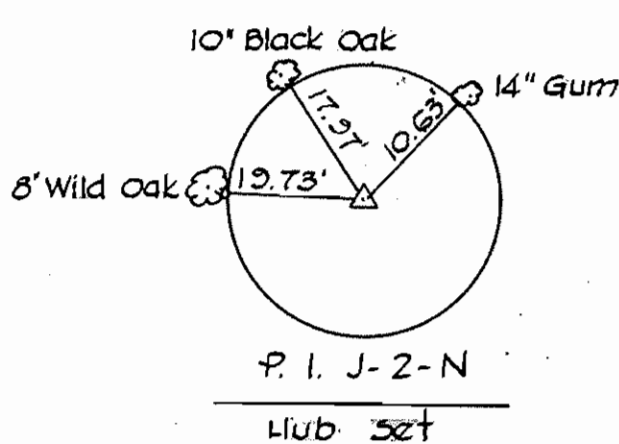
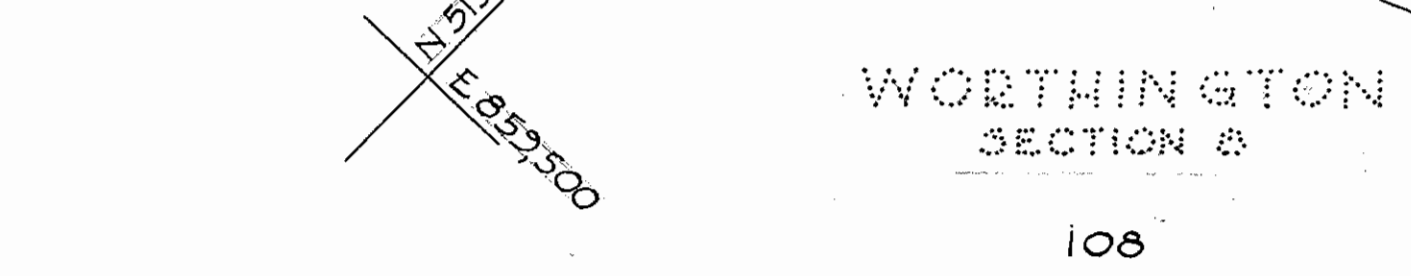


For Profile See Drawing No. 12

Property of
 LUDWIG E. SCHUSTER
 460/51

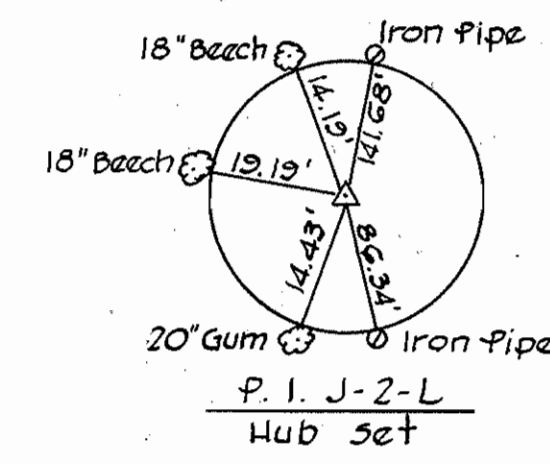


P.I. J-2-M
 Hub set



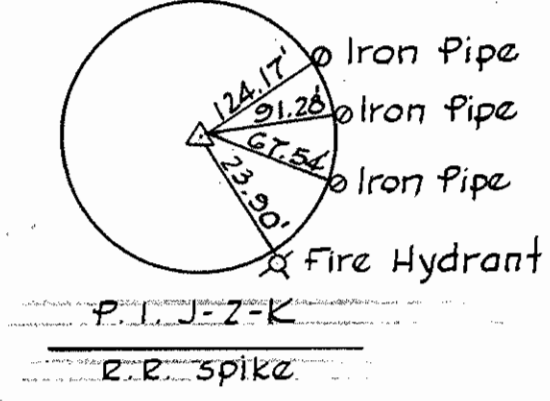
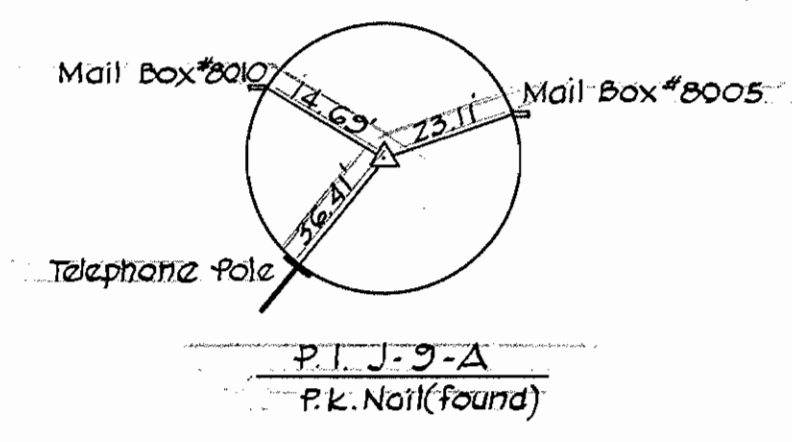
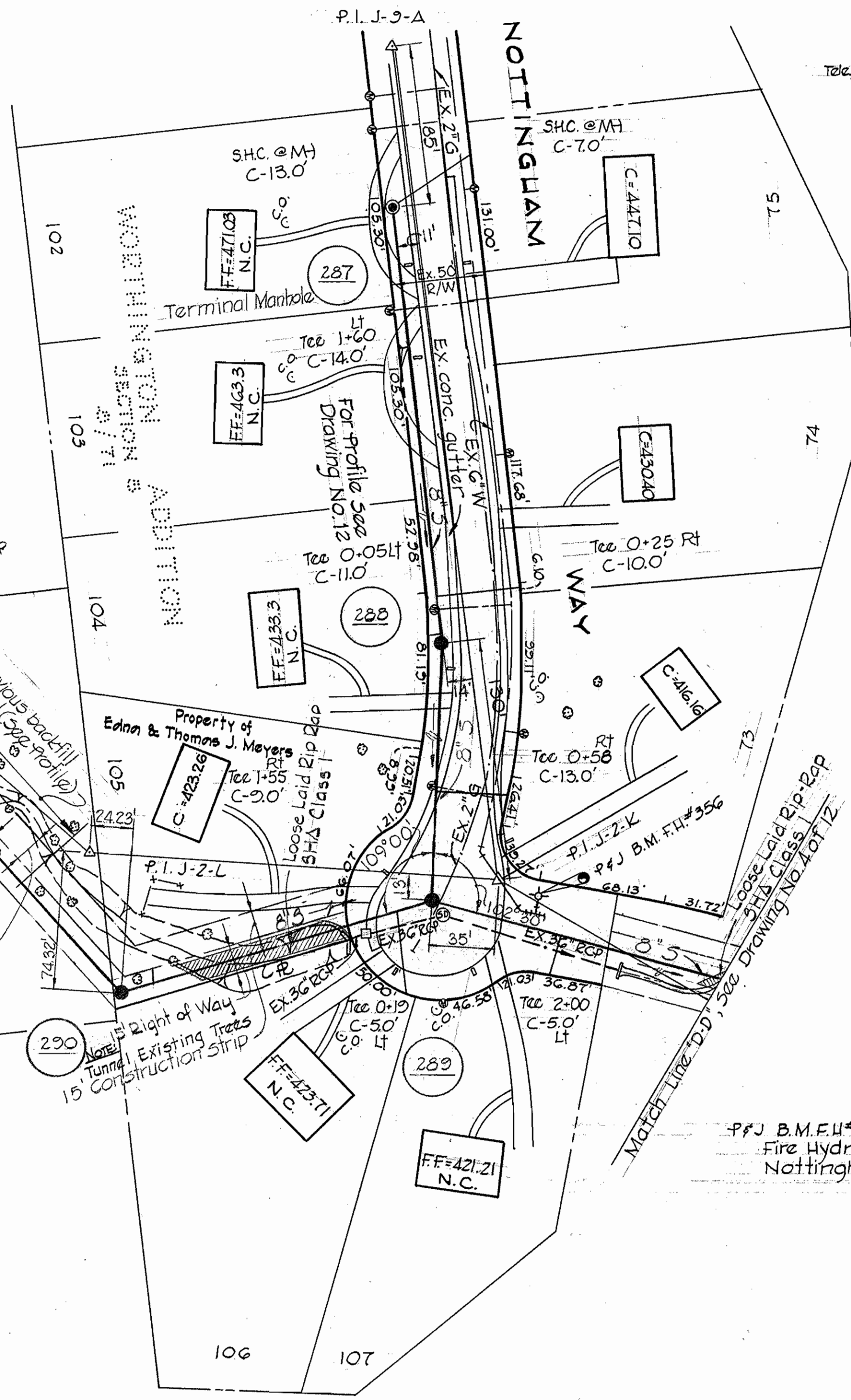
P.I. J-2-N
 Hub set

Property of
 EDWARD M. & EVELYN E.
 WRIGHT Wife
 374/222



P.I. J-2-L
 Hub set

For Profile See Drawing No. 12



P.F.J. B.M. F.H.#356 ELEV. 419.640
 Fire Hydrant in Cul-de-sac of
 Nottingham Way



PURDUM & JESCHKE
 ENGINEERS
 1023 N. CALVERT ST.
 BALTIMORE, MARYLAND

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 1-26-72 DATE
 Chief-Bureau of Water and Sewer

CONTRACT NO. 420-S
 WSF-MD-03-05-1000

PLAN OF
 SEWER MAINS

ELECTION DISTRICT NO. 2

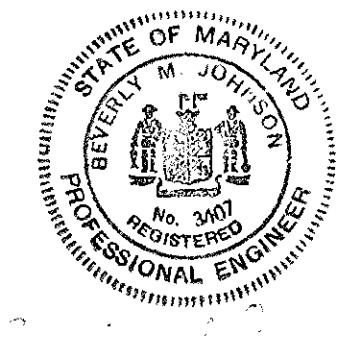
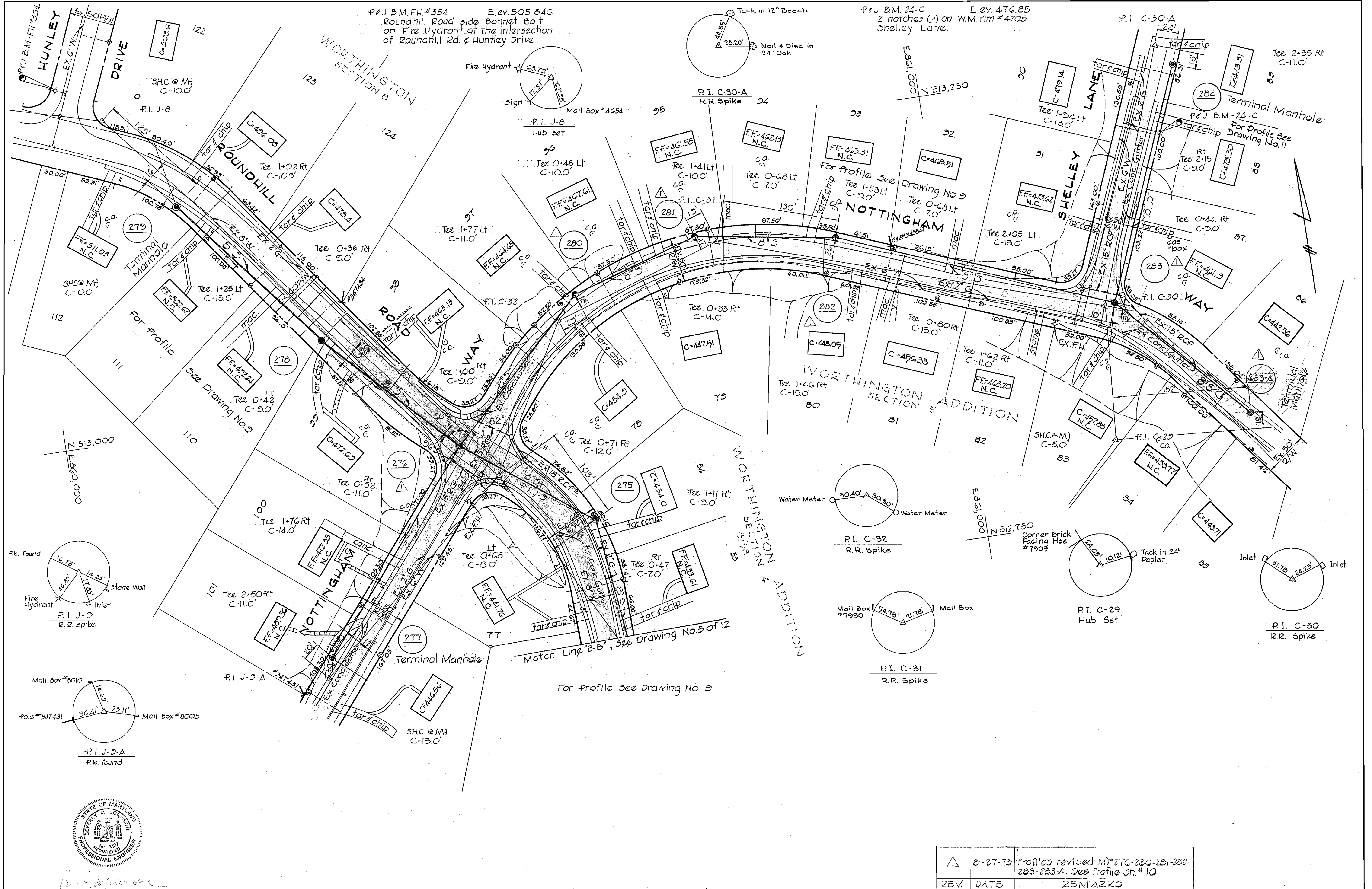
DRAWING NO. 6 OF 12 SCALE 1"=50'

WS 420-s/6

WS 420-S/7

P&J B.M. FH #354 Elev. 505.84G
Roundhill Road side Bonnet Bolt
on Fire Hydrant at the intersection
of Roundhill Rd & Hurttley Drive.

P&J B.M. 24-C Elev. 476.85
2 notches (N) on W.M. rim #4705
Shelley Lane.



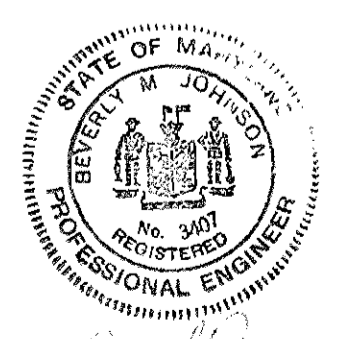
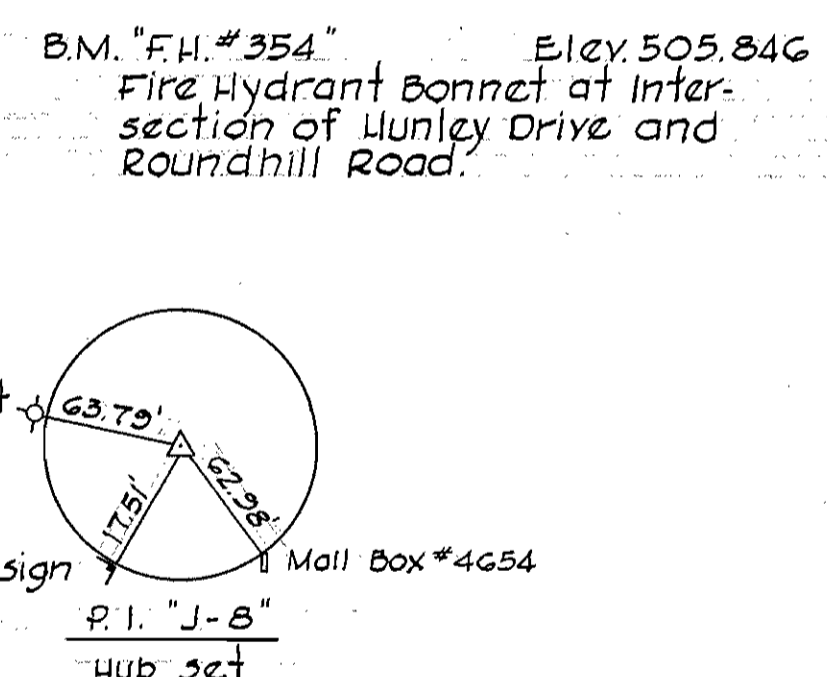
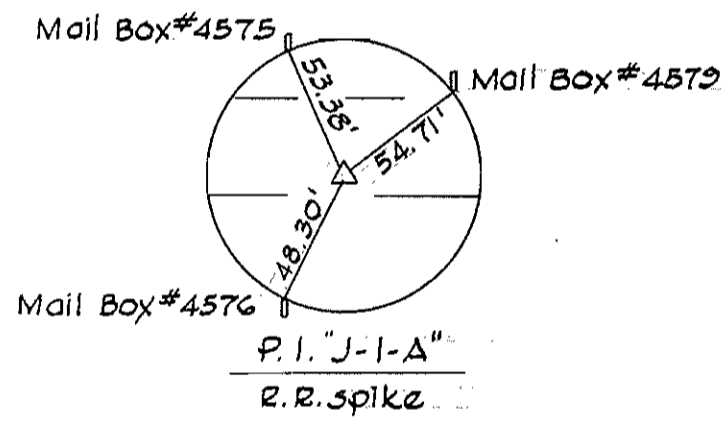
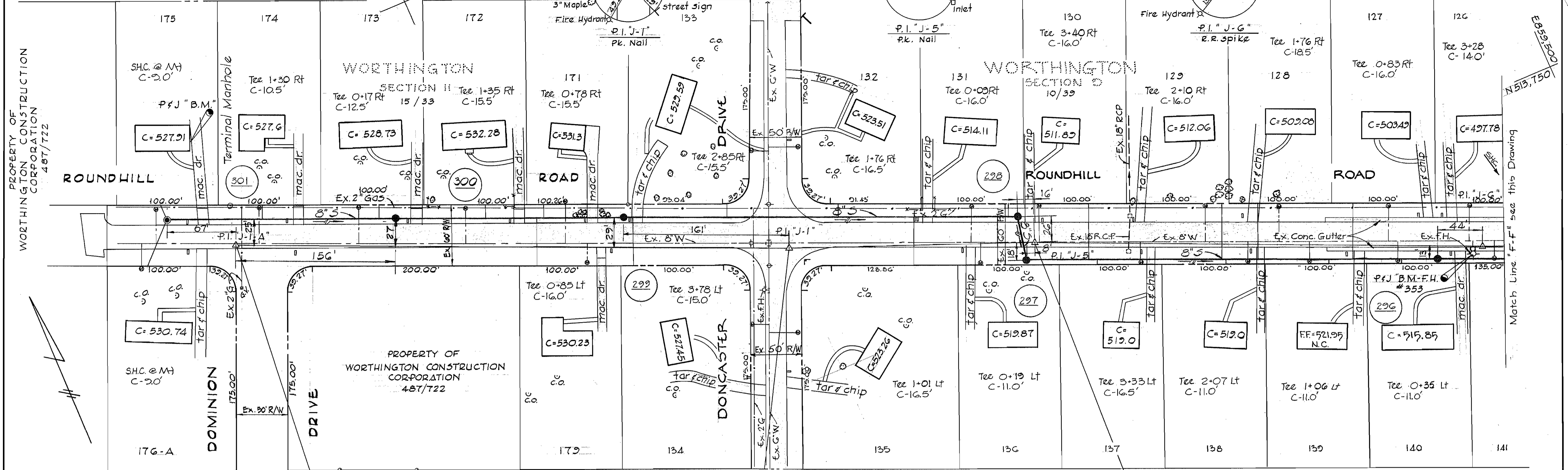
REV.	DATE	REMARKS
1	8-27-73	Profiles revised M#276-280-281-282-283-283-A. See Profile Sh. # 10

PURDUM & JESCHKE ENGINEERS 1023 N. CALVERT ST. BALTIMORE MARYLAND	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND 1-26-72 DATE	CONTRACT NO. 420-S WSF-MD-03-05-1000	PLAN OF SEWER MAINS	ELECTION DISTRICT NO. 2	DRAWING NO. 7 OF 12	SCALE 1"=50'

Pf J "B.M." Elev. 534.877
S.E. corner of first step of
side door of House #4575.

For Profile See Drawing No. 11

Pf J "B.M.-F.H.#353 Elev. 508.154
Road side Bonnet Bolt, S. side
of Roundhill Road, ± 13' from
P.I. "J-G".



PURDUM & JESCHKE
ENGINEERS
1023 N. CALVERT ST.
BALTIMORE MARYLAND

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
DATE 1-26-72
W. O. Falber
CHIEF - BUREAU OF WATER AND SEWER

CONTRACT NO. 420-S
WSF-MD-03-05-1000

PLAN OF SEWER MAINS

ELECTION DISTRICT NO. 2

DRAWING NO. 8 OF 12

SCALE 1"=50'

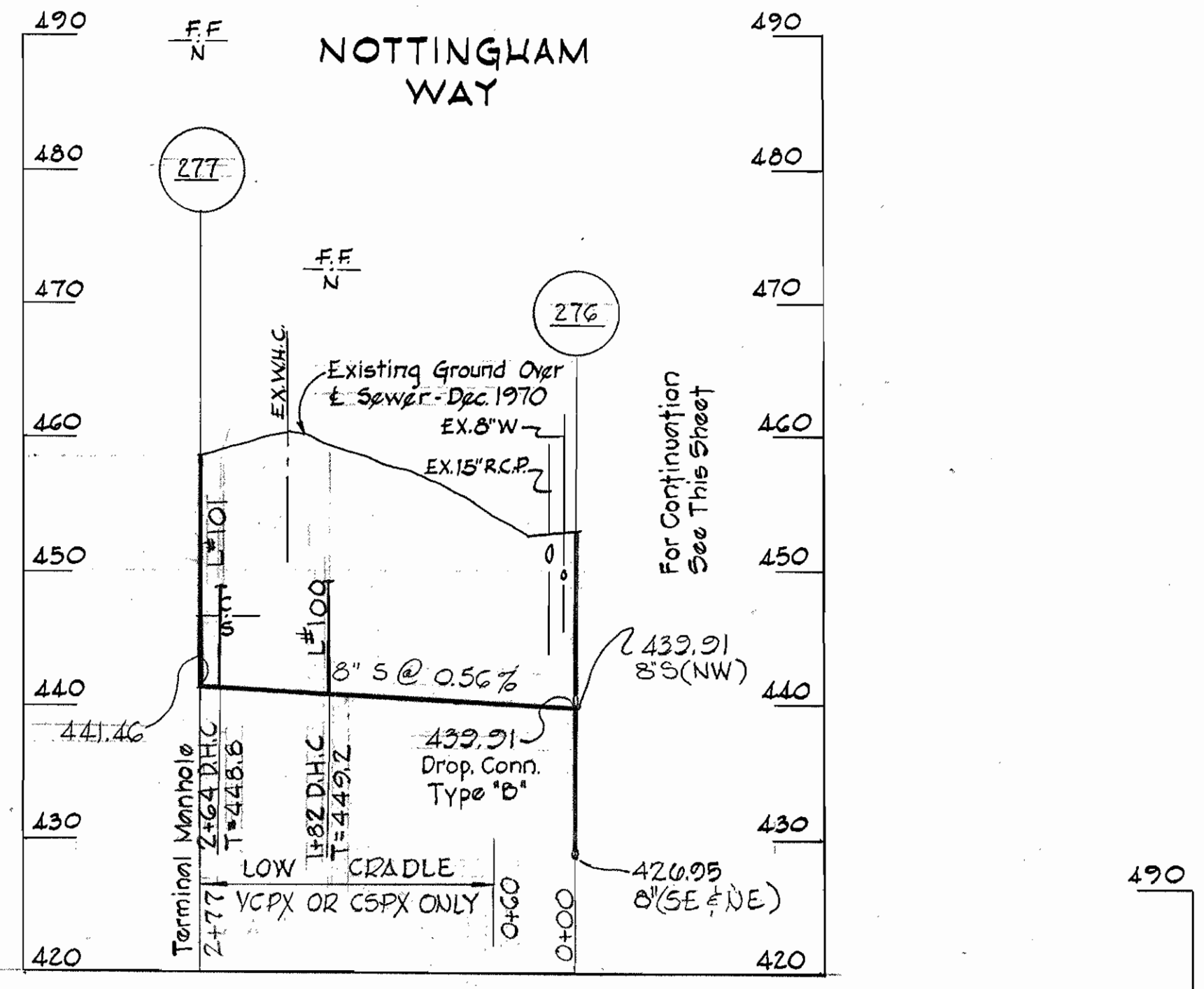
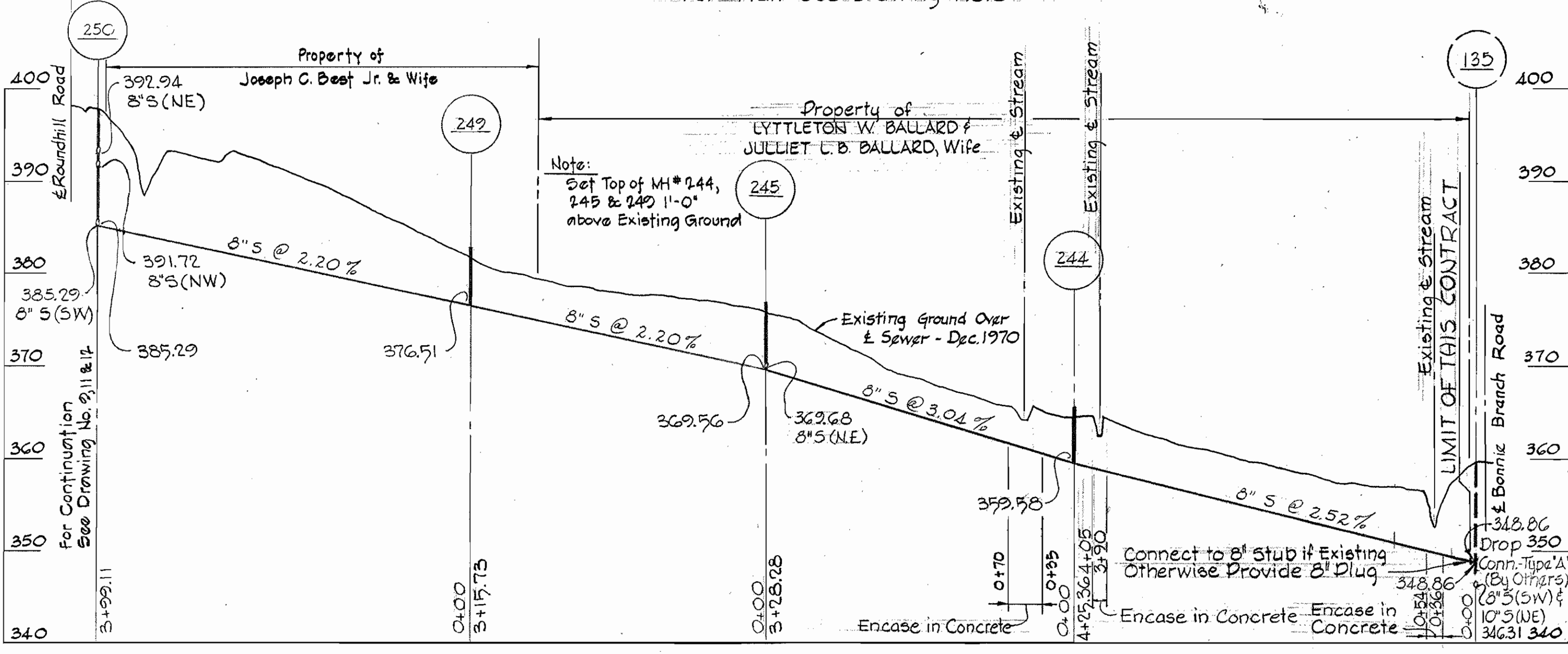
W.O.#3302

As Built - 15 NOV. 73

WS 420-S/8

For Plan See Drawing No. 2

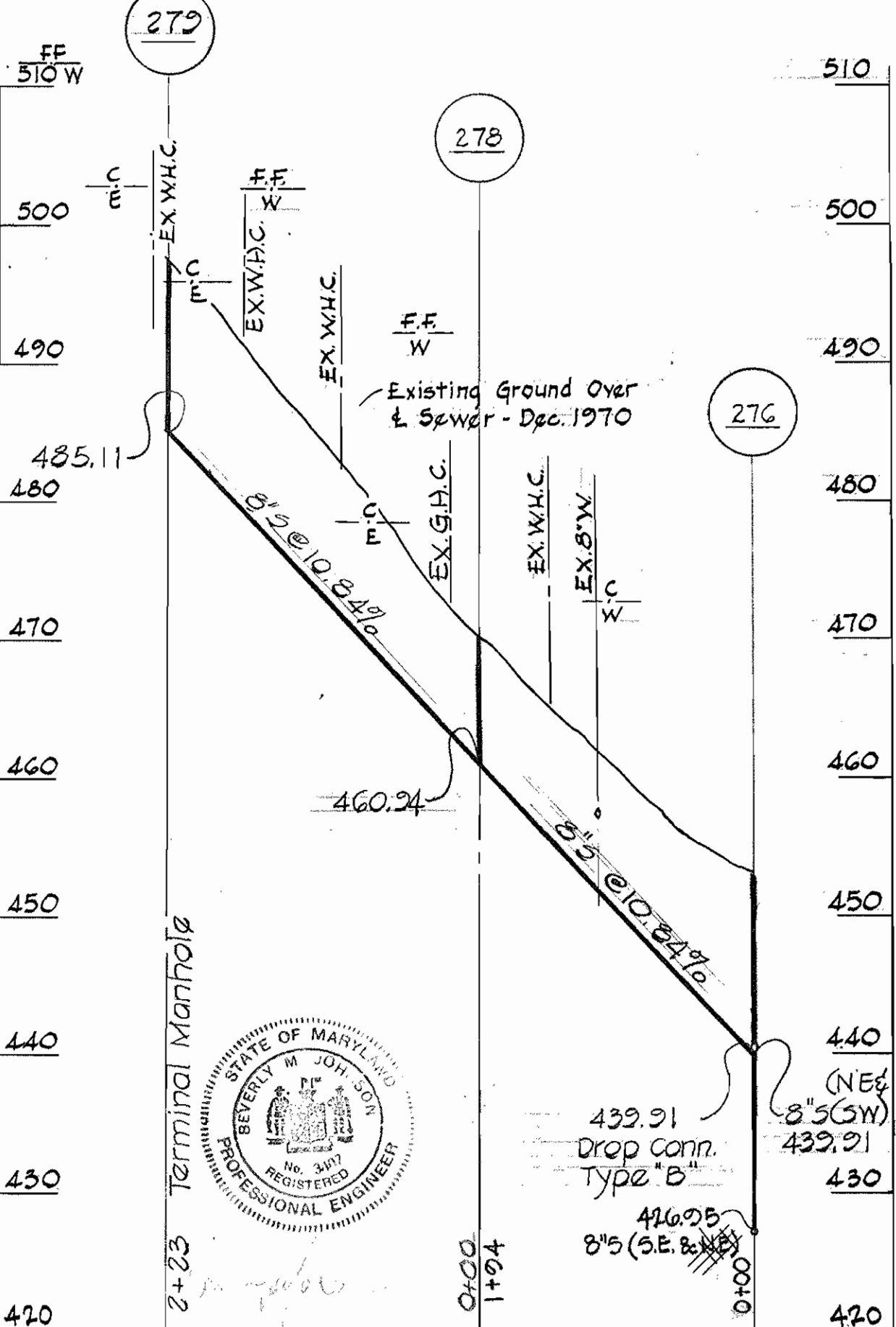
For Plan See Drawing No. 7



REV.	DATE	REMARKS
Δ	8-27-73	Profile Alignment revised M# 276. 280-281-282-283-283-A. See profile sh #10 for re-alignment.

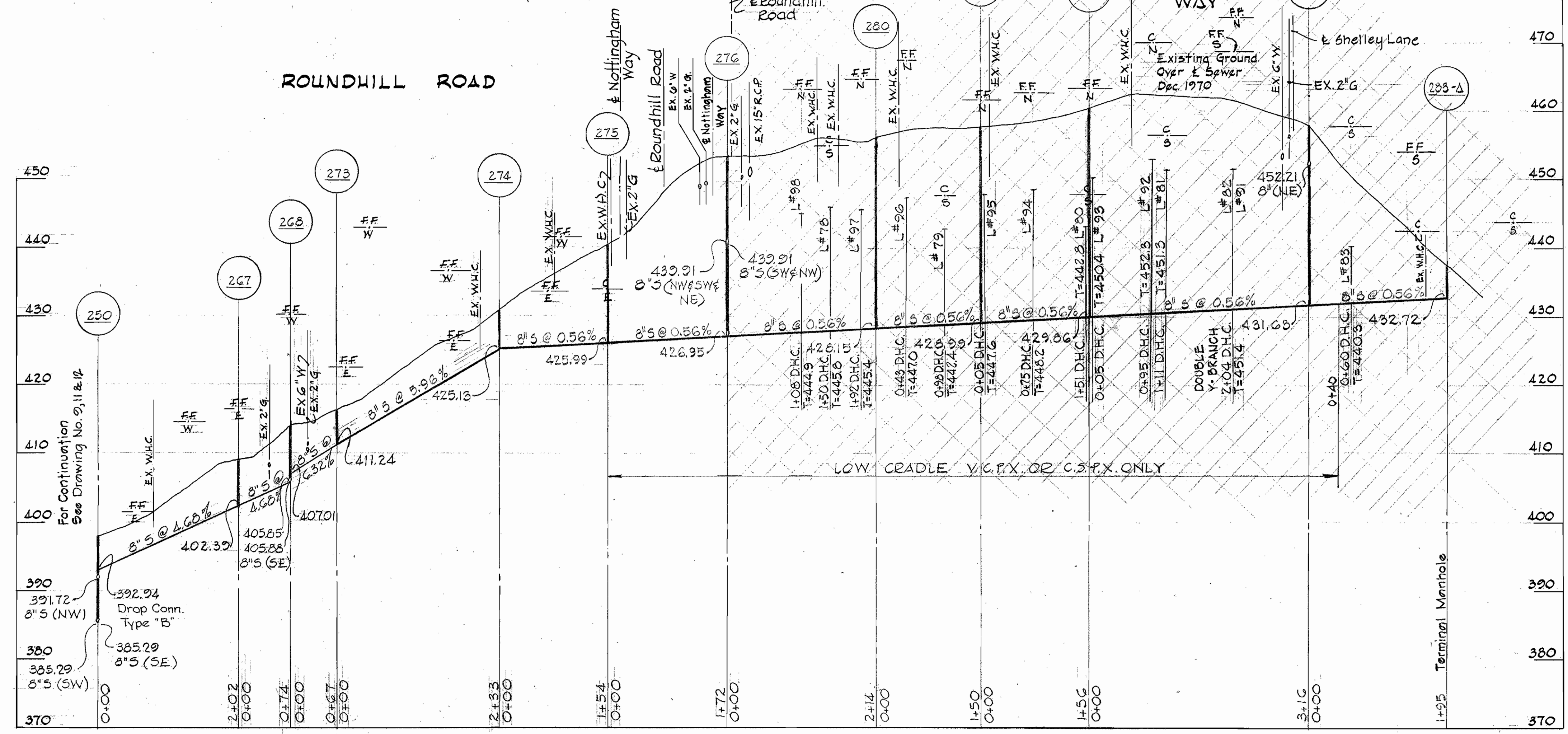
ROUNDHILL ROAD

For Plan See Drawing No. 7



ROUNDHILL ROAD

For Plan See Drawings No. 5 & 7



PROFILES
Scale: Hor. 1"=100'
Vert. 1"=10'

PURDUM & JESCHKE
ENGINEERS
1023 N. CALVERT ST.
BALTIMORE, MARYLAND

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
DATE 1-26-72
CHIEF - BUREAU OF WATER AND SEWER

CONTRACT NO. **420-S**
MSF-MD-03-05-1000

PROFILE

ELECTION DISTRICT NO. 2

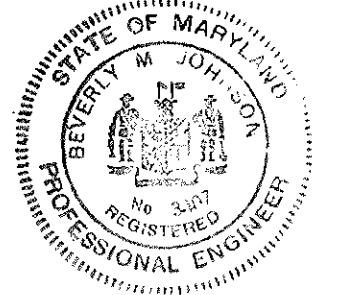
DRAWING NO. **9** OF **12**
SCALE AS SHOWN

WS 420-5/9

SUSSEX

SUSSEX

WS 420-S/10



PURDUM & JESCHKE
ENGINEERS
1023 N. CALVERT ST.
BALTIMORE, MARYLAND

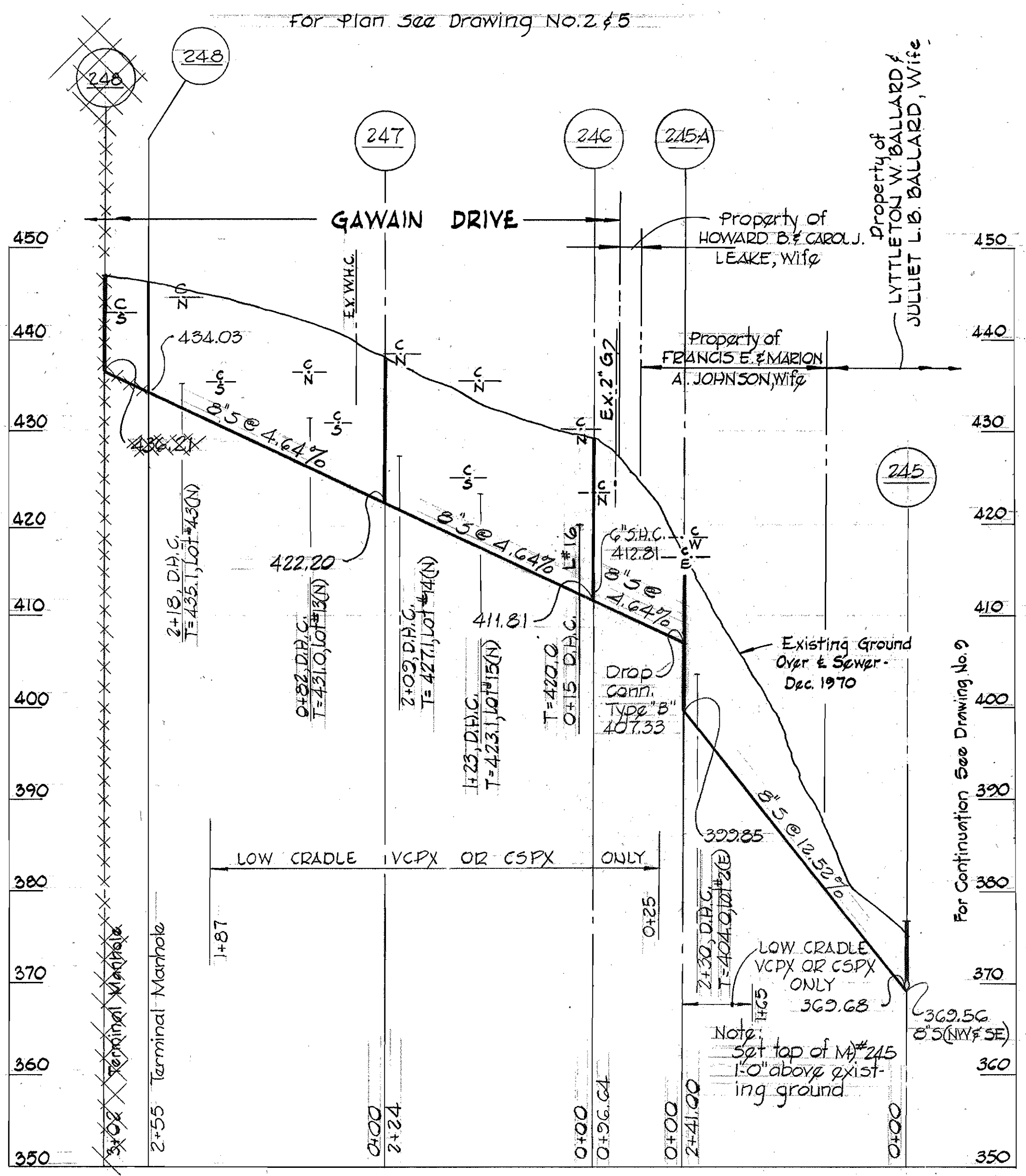
DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
DATE: 1-26-72
CHIEF - BUREAU OF WATER AND SEWER

CONTRACT NO. 420-S
WSF-MD-03-05-1000

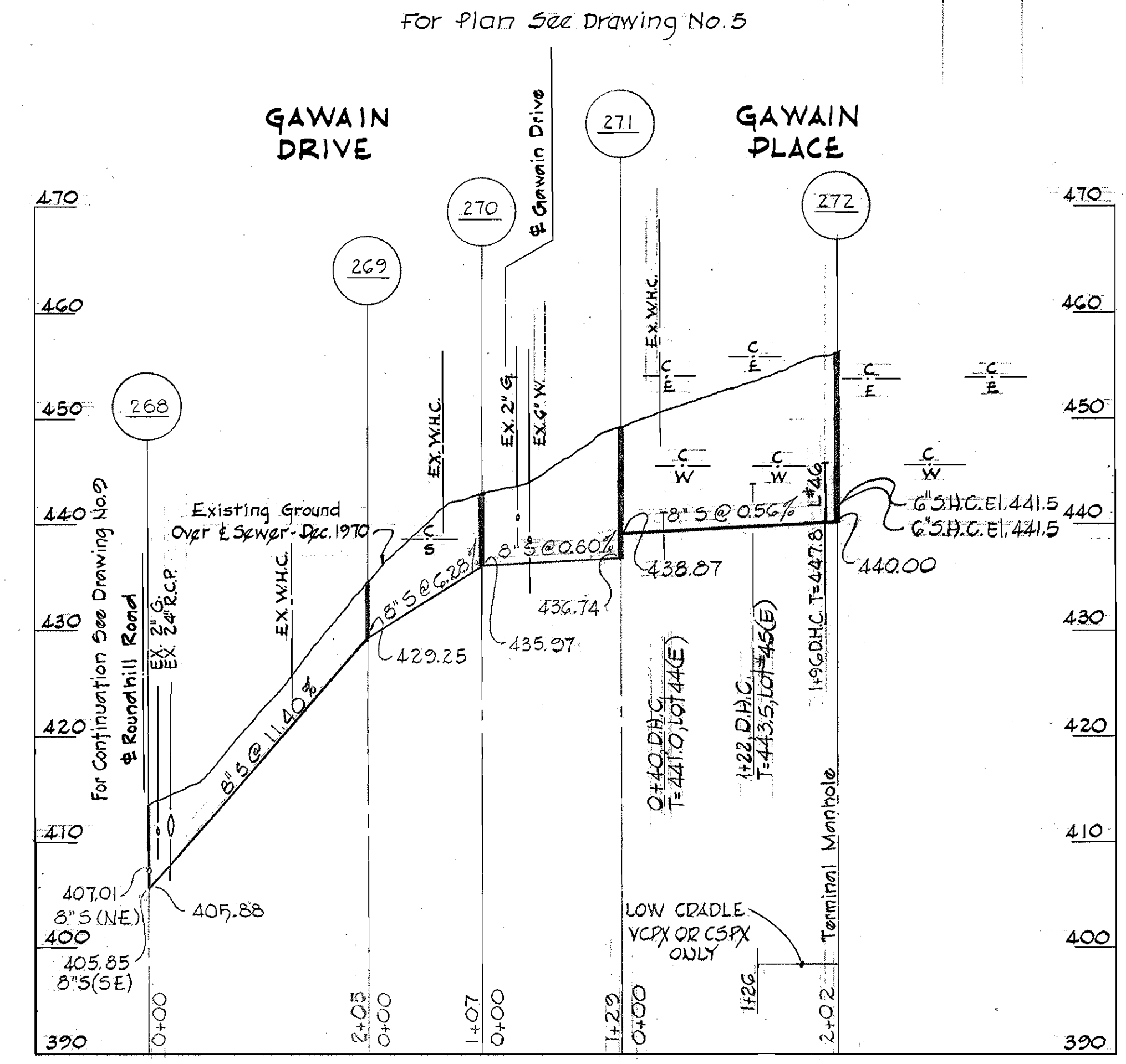
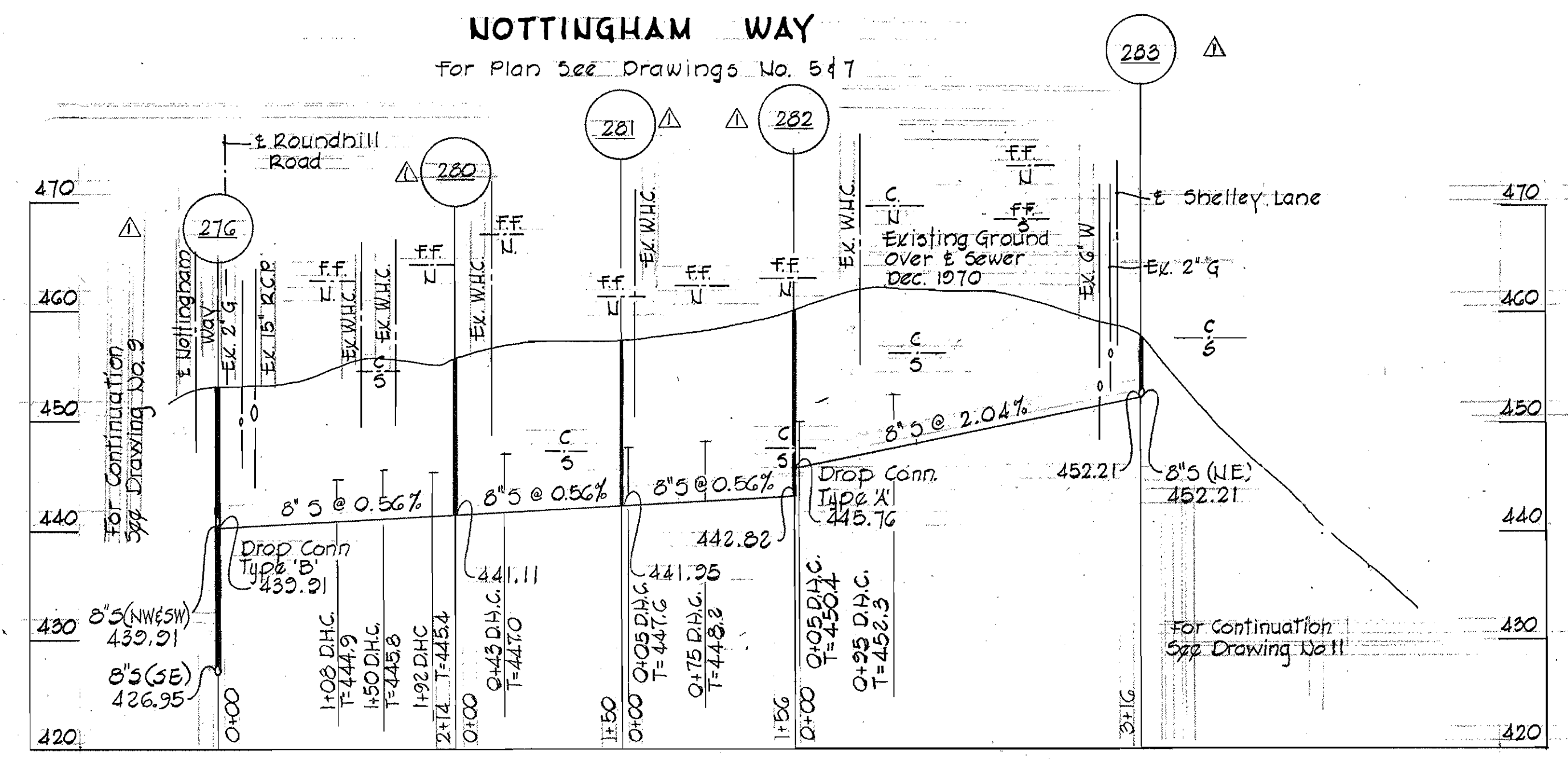
PROFILE

ELECTION DISTRICT NO. 2

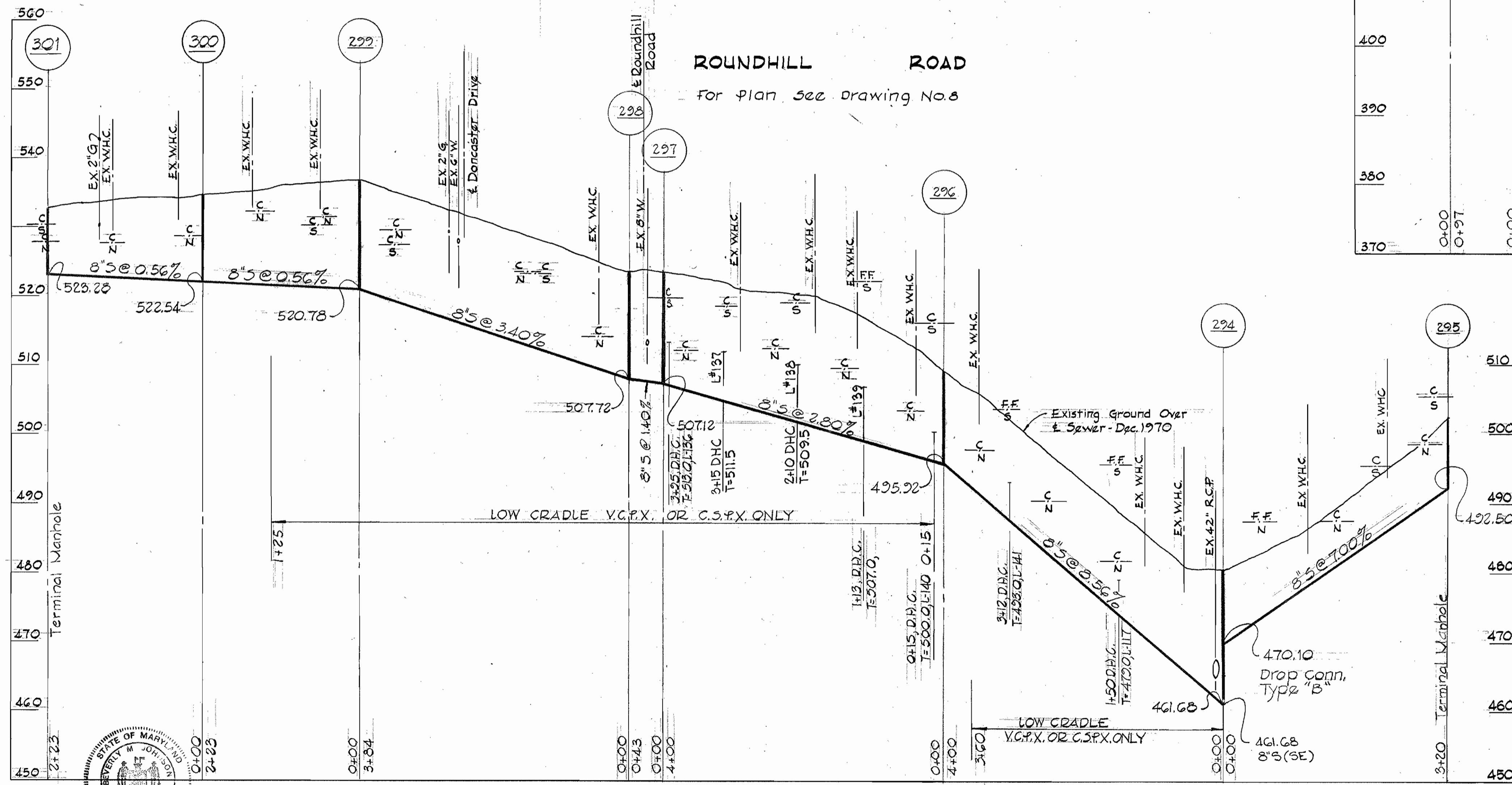
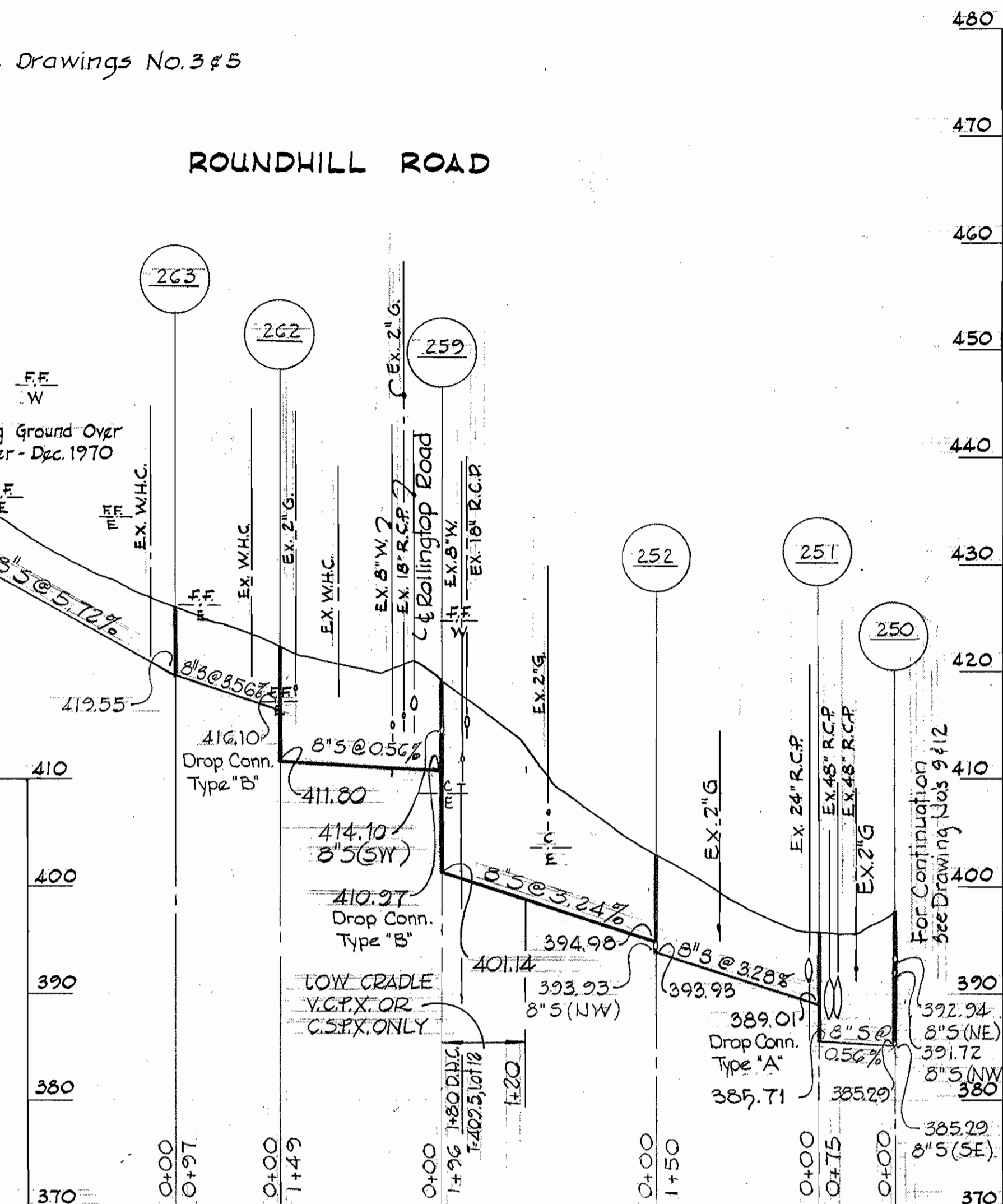
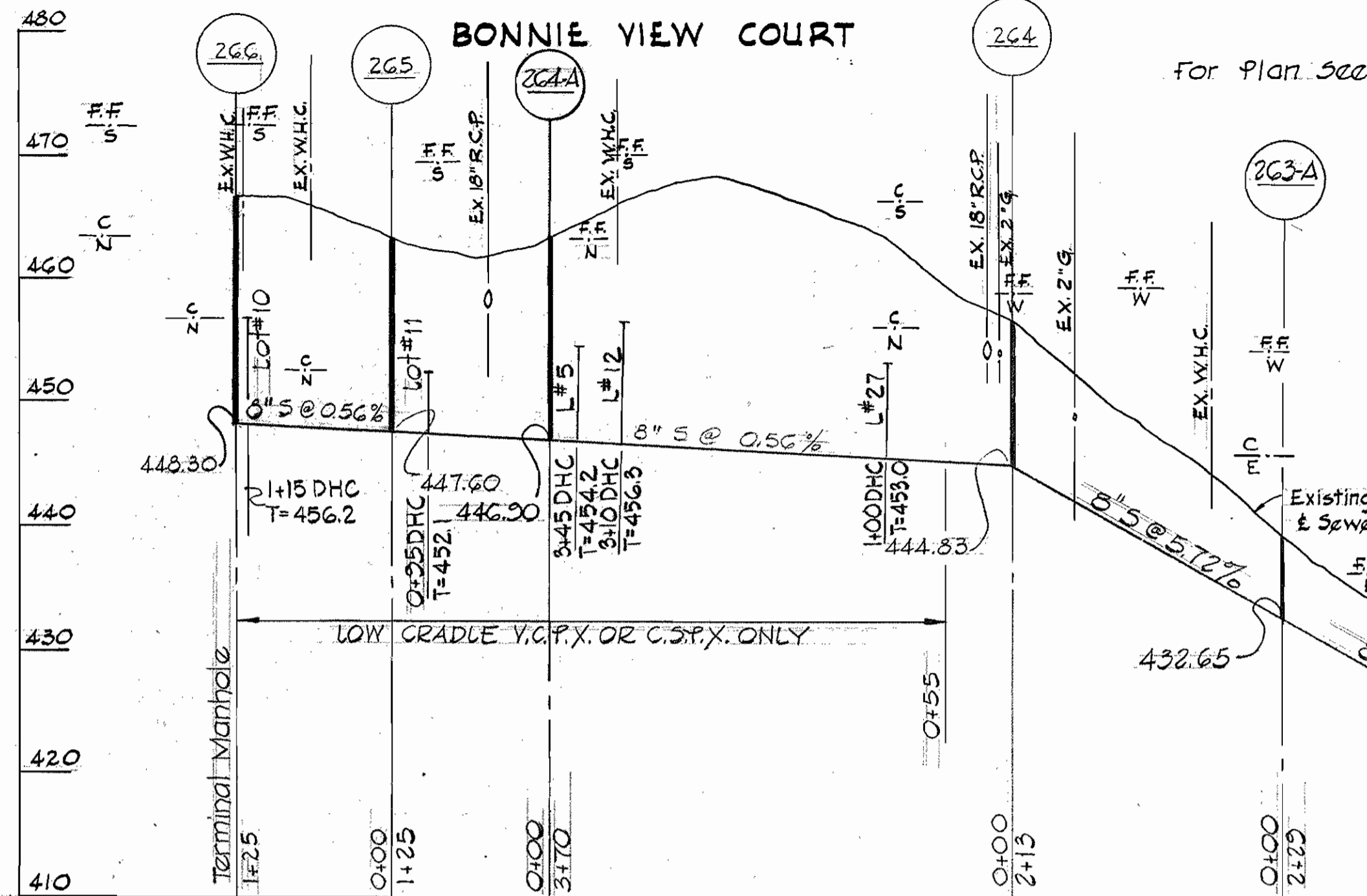
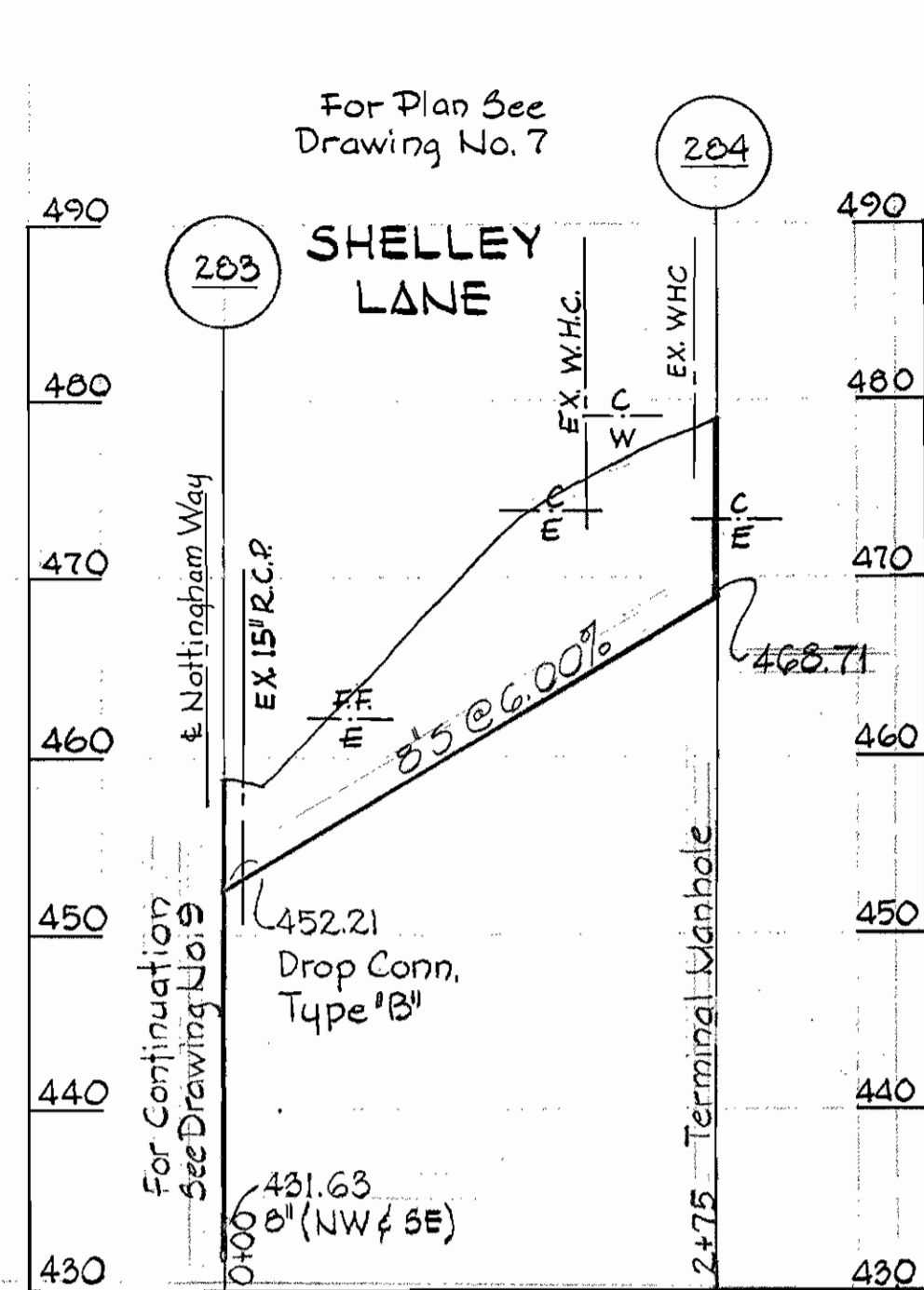
DRAWING NO. 10 OF 12
SCALE AS SHOWN



PROFILES
Scale: Hor. 1"=100'
Vert. 1"=10'



REV.	DATE	REMARKS
Δ	8-27-73	Profile Added, M# 276-280-281-282-283. See Plan Sheets 5 & 7.



PROFILES
Scale: Hor. 1" = 100'
Vert. 1" = 10'

WS 420-S/11

PURDUM & JESCHKE
ENGINEERS
1023 N. CALVERT ST.
BALTIMORE, MARYLAND

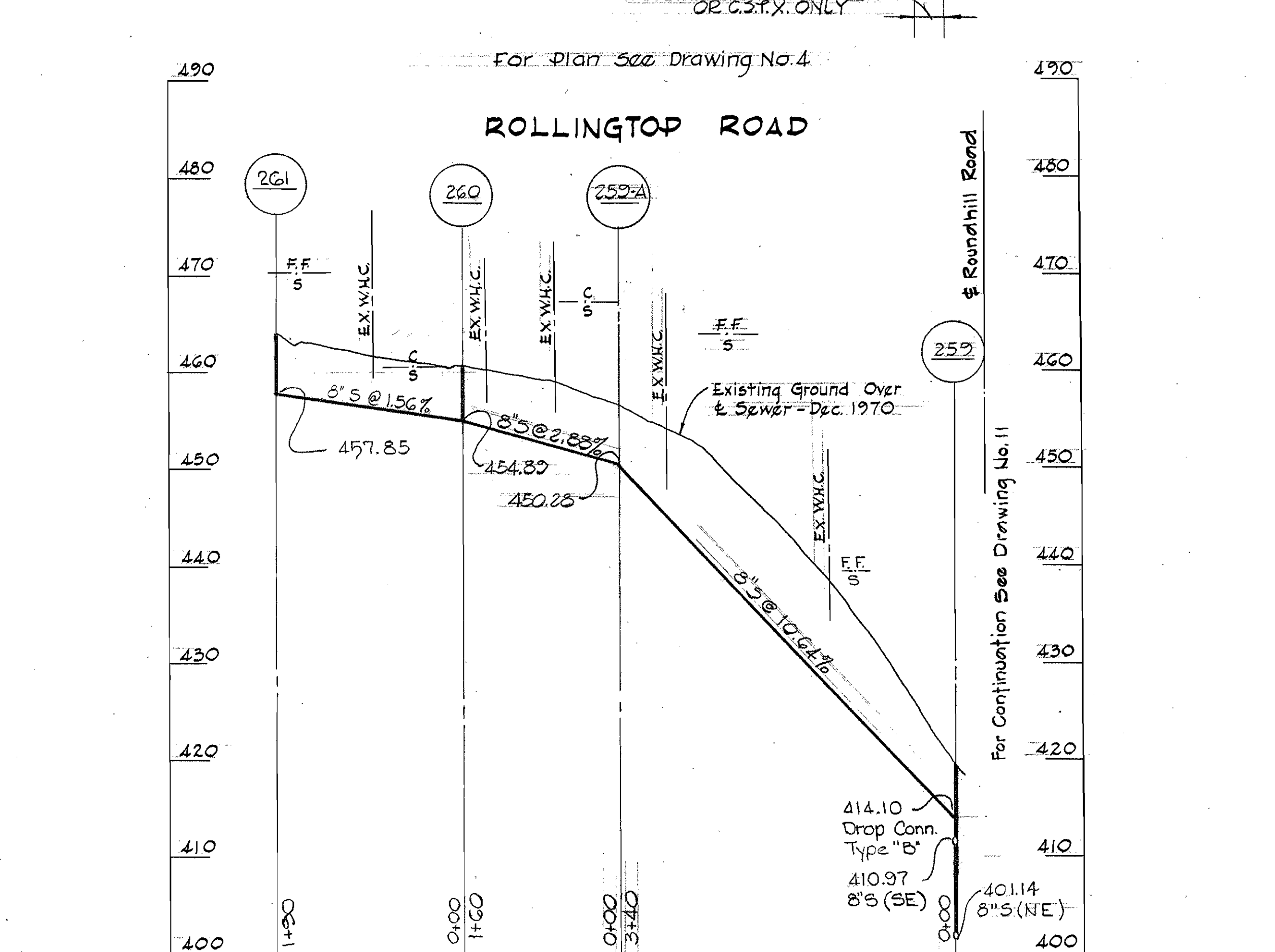
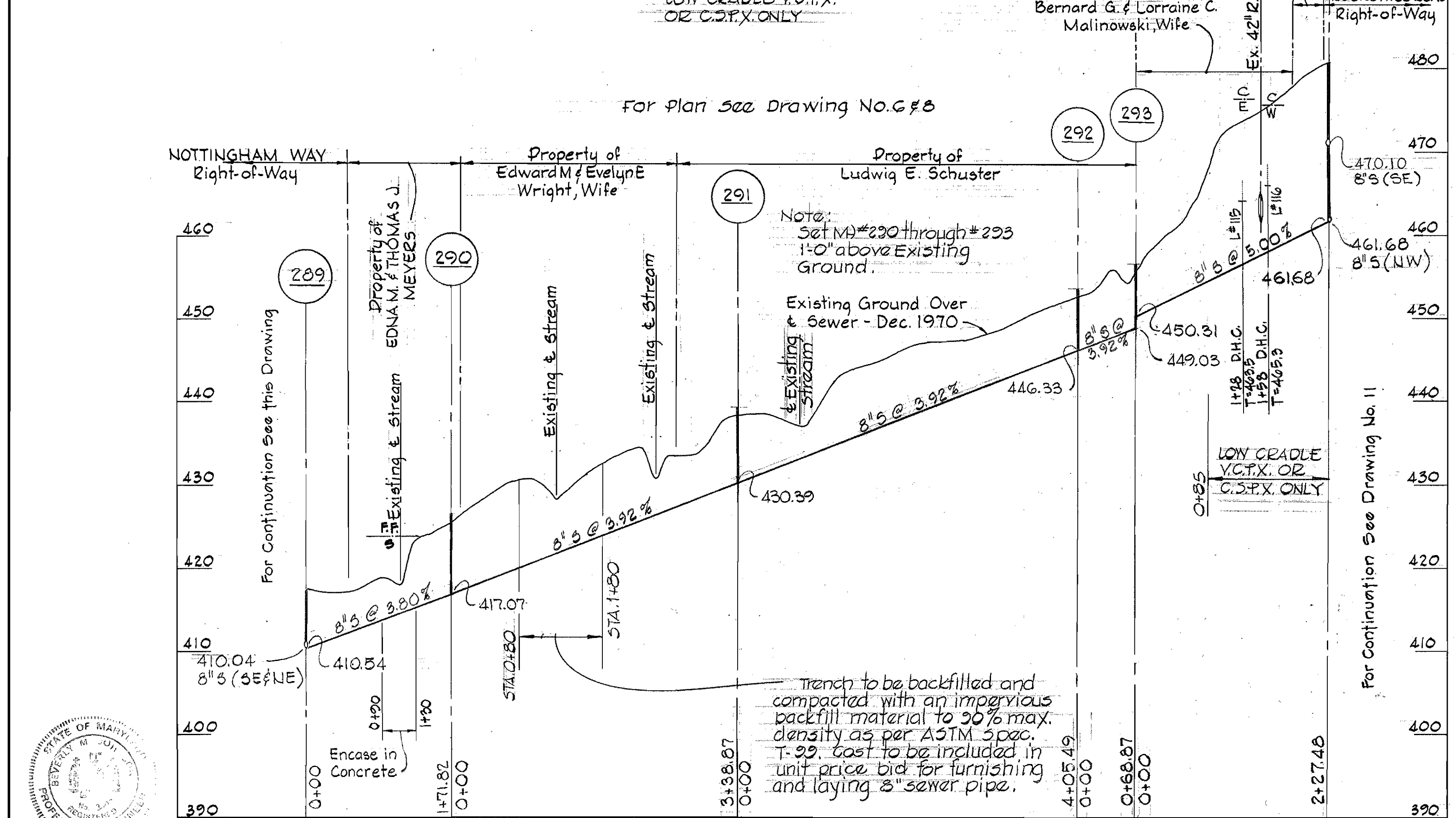
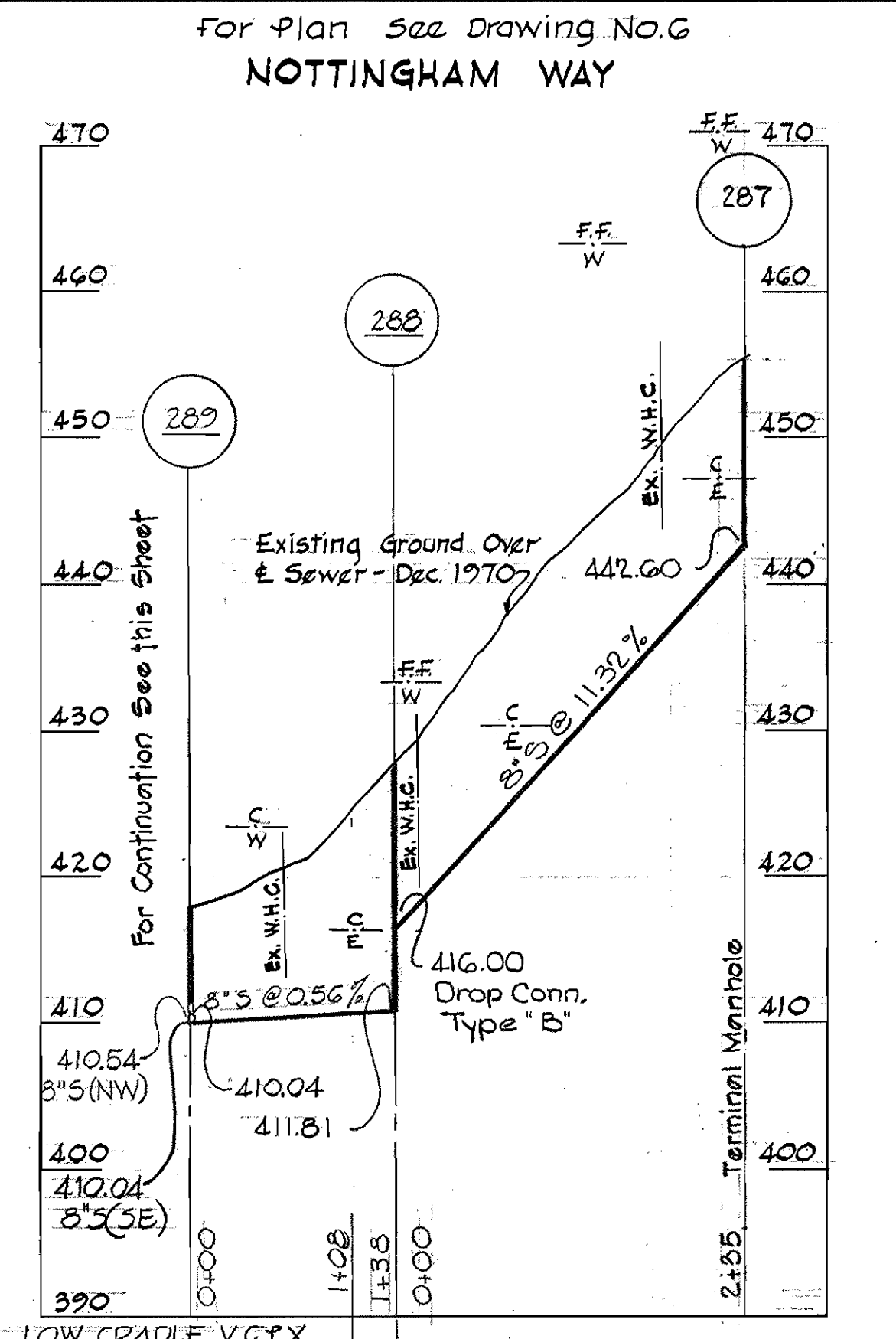
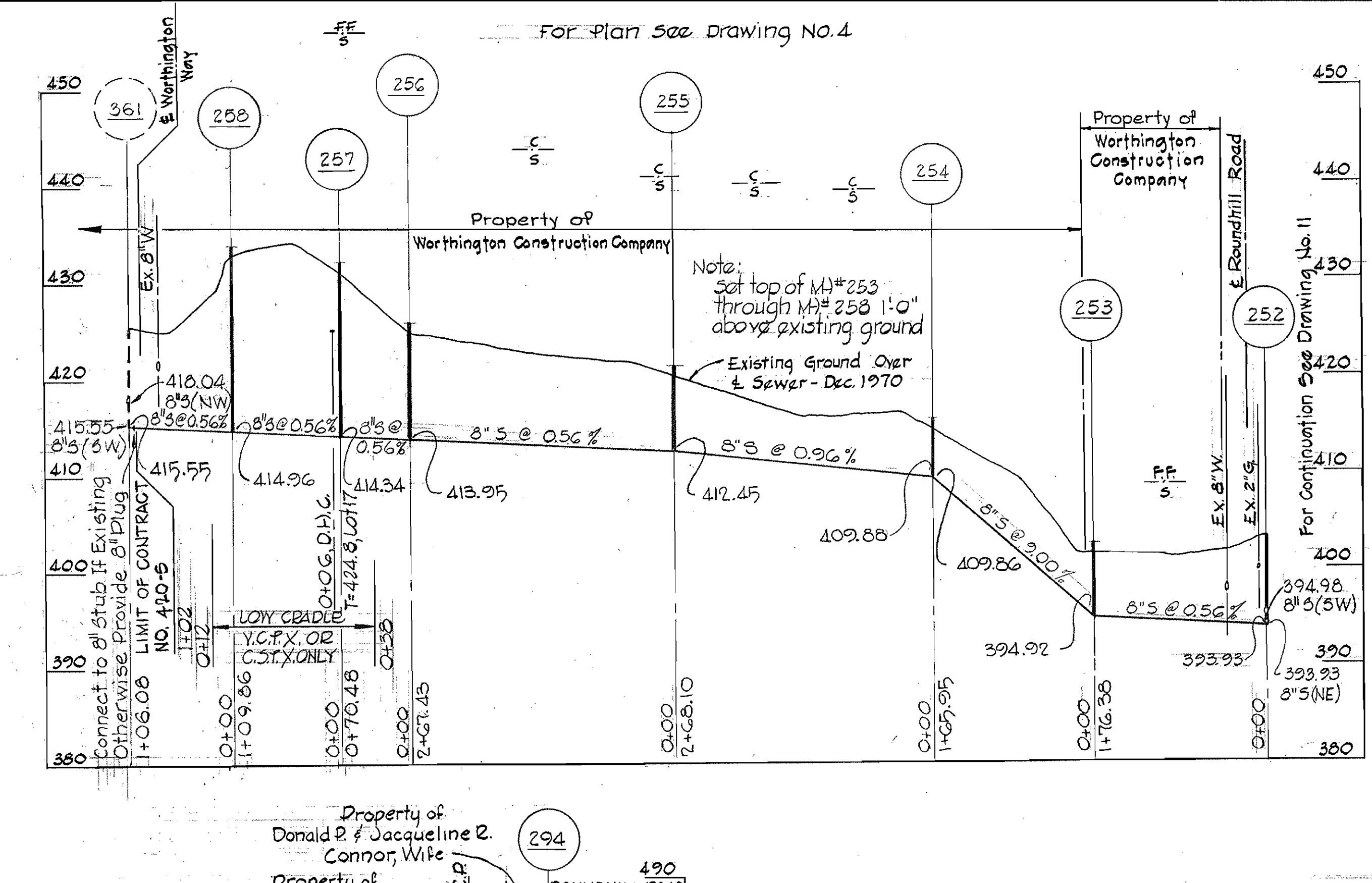
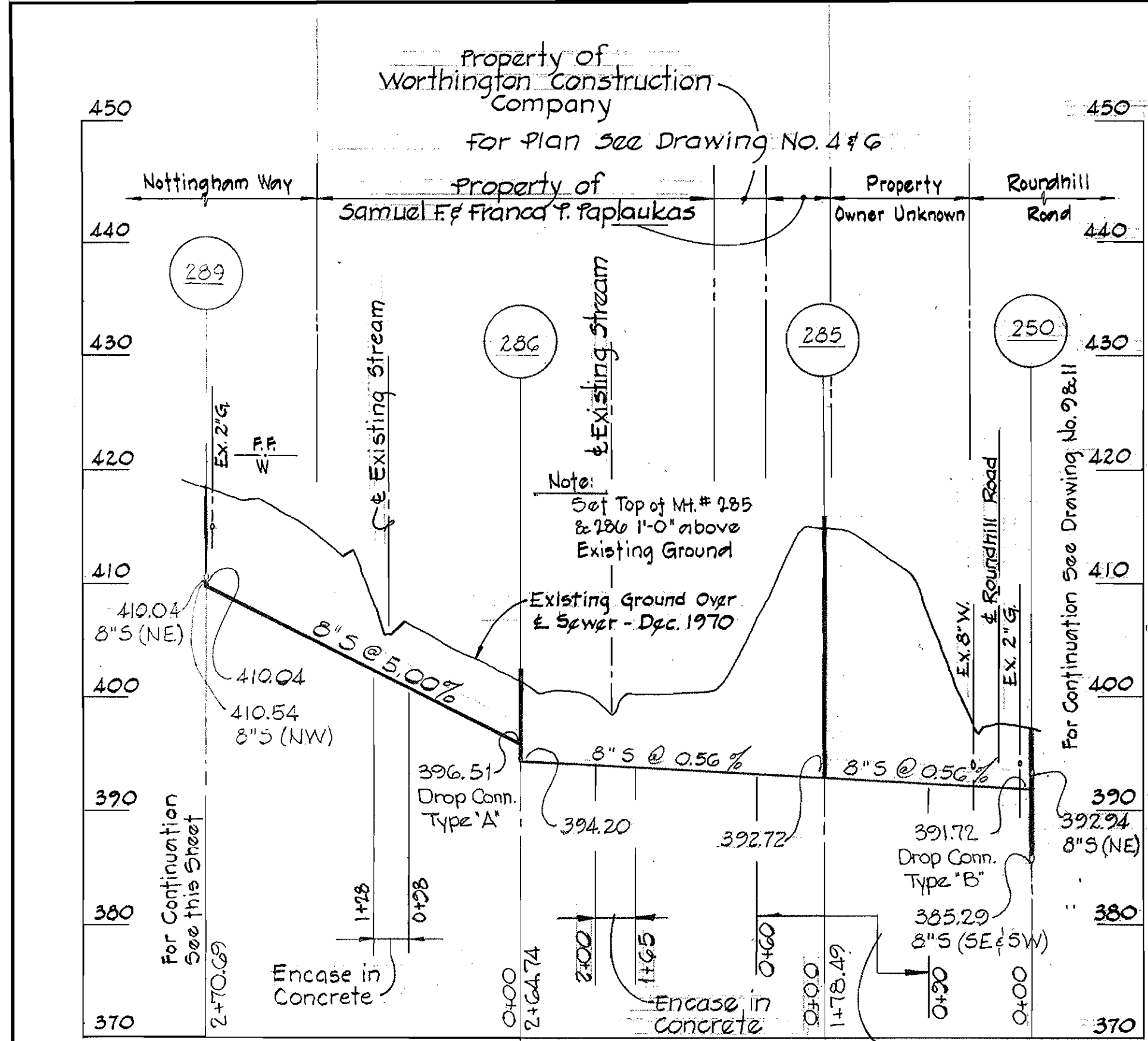
DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
1-26-72
DATE
W.D. Beck
CHIEF - BUREAU OF WATER AND SEWER

CONTRACT NO. 420-S
WSF-MD-03-05-1000

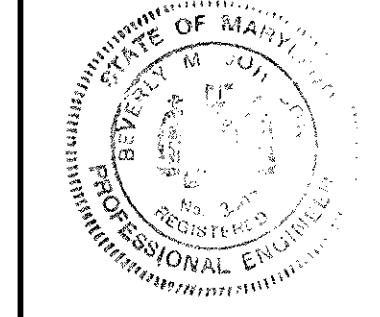
PROFILE

ELECTION DISTRICT NO. 2

DRAWING NO. 11 OF 12
SCALE AS SHOWN



PROFILES
Scale: Hor. 1" = 100'
Vert. 1" = 10'



PURDUM & JESCHKE
ENGINEERS
1023 N. CALVERT ST.
BALTIMORE, MARYLAND

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
DATE 1-26-72
W. O. Fellert
CHIEF - BUREAU OF WATER AND SEWER

CONTRACT NO. 420-S
WSF-MD-03-05-1000

PROFILES

ELECTION DISTRICT NO. 2

DRAWING NO. 12 OF 12
SCALE AS SHOWN

WS 420-S/12