STORM WATER SEWER NO·167

GENERAL NOTES

1. CONTRACTOR SHALL COORDINATE WORK WITH PAVING AND SANITARY SEWER CONTRACTORS; AND CONTACT RELEVANT UTILITY COMPANIES AND OTHER AGENCIES INVOLVED WITH THE FINE ARTS OF THIS PROJECT SITE DEVELOPMENTS.

2. FIELD ENGINEER SHALL TAKE TIES ON ALL IRONS AND THIMBLES IN THE PROJECT AREA PRIOR TO CONSTRUCTION. FIELD ENGINEER SHALL REPLACE ALL SUCH IRONS AND THIMBLES DISTURBED DURING CONSTRUCTION.

3. [illegible] INLETS AS NOTED ON THE PLANS MAY VARY FROM PROPOSED PAVING PLANS. THE FIELD ENGINEER SHALL LOCATE CURB INLETS WITH REFERENCE TO PROPOSED PAVING PLANS OF THE PERTINENT STREETS.

4. ALL CORRUGATED METAL PIPE [illegible] DIAMETER SHALL HAVE HELICALLY CORRUGATIONS. ALL SUCH PIPES FOR SIZES [illegible] AND LARGER DIAMETER SHALL HAVE FULLY PAVED (FP) SMOOTH FLOW INTERIORS.

5. ALL CONCRETE SHALL BE "B-BACK CONCRETE" UNLESS OTHERWISE NOTED.

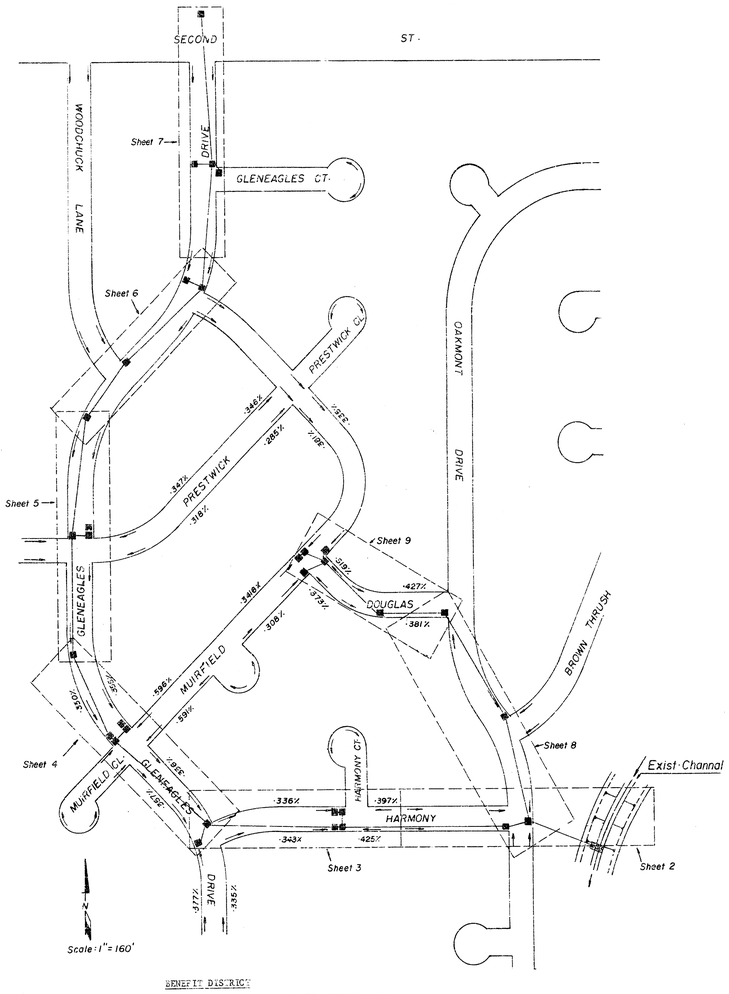
6. EARTHWORK DOWNSTREAM FROM END SECTION AND FOR RIP-RAP SHALL BE PAID FOR IN ITEMS BID FOR PIPES AND/OR RIP-RAP.

7. TREES TO BE REMOVED ARE MARKED THUS [illegible] EXCEPT THAT ANY TREE MARKED FOR REMOVAL WHICH IN THE OPINION OF THE ENGINEER CAN BE SAVED, SHALL BE SPARED.

8. END-SECTIONS AT PIPE OUTFALL SHALL BE CONSTRUCTED TO ALIGN WITH THE SLOPE OF BANKS IN ORDER THAT PROTRUSION IS MINIMUM. WHERE SUCH PROTRUSION CANNOT BE AVOIDED, FILL AROUND THE END-SECTION AT APPROXIMATELY [illegible] SIDE SLOPE SO IT APPEARS ENTIRELY RECESSED.

9. CONTRACTOR SHALL HAVE THE OPTION TO INSTALL PRE-CAST TYPE I-A CURB INLET IN LIEU OF THE BRICK TYPE CONSTRUCTION, SEE STANDARD DETAIL PRE-CAST TYPE I-A INLET DATED AUGUST, 1978.

10. CONTRACTOR SHALL AVOID UNCOVERING EXISTING WATERLINES UNLESS ABSOLUTELY NECESSARY. UNCOVERING SHALL BE DONE ONLY IN THE PRESENCE OF A WATER DEPARTMENT ENGINEER.



BENEFIT DISTRICT

THE SOUTH ONE THOUSAND TWENTY (1020) FEET OF SPECIAL ED ADDITION: AN UNPLATTED TRACT OF LAND IN THE NORTHEAST QUARTER SECTION 21, TOWNSHIP 27 SOUTH, RANGE 1 WEST MORE FULLY DESCRIBED AS BEGINNING AT THE SOUTHEAST CORNER OF SPECIAL ED ADDITION; THENCE NORTH ALONG THE EAST LINE OF SAID ADDITION A DISTANCE OF ONE THOUSAND TWENTY (1020) FEET; THENCE SOUTHEASTERLY TO A POINT ON THE NORTH LINE OF SECOND STREET SAID POINT BEING FIVE HUNDRED SIXTY-FIVE (565) FEET EAST OF THE SOUTHEAST CORNER OF SPECIAL ED ADDITION; THENCE WEST ALONG NORTH LINE OF SECOND STREET TO POINT OF BEGINNING; ALL LOTS AND BLOCKS IN GLENEAGLES 2ND ADDITION.

INDEX

1 COVER SHEET
2-3 PLAN-PROFILE SHEETS
10 CURB INLET STANDARD SHEET

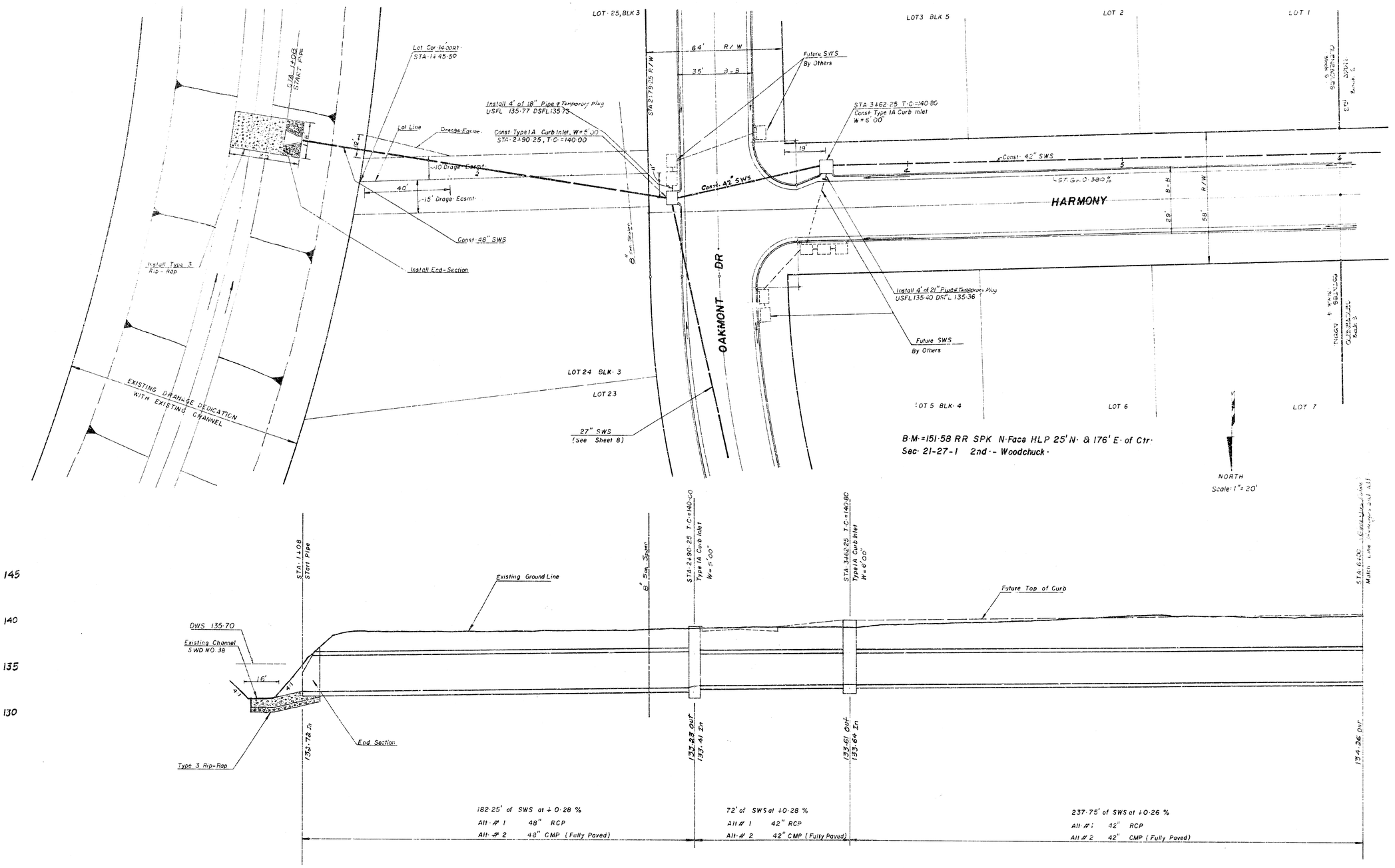
DEAN SELLERS ACTING CITY ENGINEER

CITY OF WICHITA, KANSAS

Proj·NO· 468-76-245-80801-000-000-001

DATE:

YASHI DAHTABHAI DESAI
LICENSED
8217
KANSAS
PROFESSIONAL ENGINEER



SWS # 167
Sheet 7 of 10

B.M. = 143.26 TOP OF IRON ℄ HARMONY & GLENEAGLES.
B.M. = 141.103 WOODCHUCK & MAPLE, CITY STD. 52'S. & 32' W. OF ℄ BOTH.
B.M. = 144.963 RIDGE RD. & 2ND ST. N. CITY STD. 39.50' N. & 48' W. OF ℄ BOTH.

Scale = 1" = 20'

NORTH

BLK. 1

BLK. 2

BLK. 3

BLK. 4

GLENEAGLES

HARMONY

HARMONY CT.

DRIVE

Const 42" SWS

Const. Type 1A Curb Inlet, T.C. = 141.00
STA. 7+68.73 W = 6' 00"
Street STA. 3+21.93

Const. Type 1A Curb Inlet, T.C. = 141.03
STA. 7+76.73, W = 6' 00"
Street STA. 3+13.93

ST. Gr. 0.425%

ST. Gr. 0.343%

ST. Gr. 0.397%

ST. Gr. 0.336%

140.42

C. 57 0.53

140.42

8' W. RC Pipe

Valley Gutter By Others

58' R/W

29' B-B

4.4% D.B. (Comm.)

Install 33' of 15" Pipe USFL 137.66 DSFL 136.97

Const. Type 1A Curb Inlet, T.C. = 141.13
STA. 3+13.93 W = 4' 2"

Install 4' of 15" Pipe USFL 137.86 DSFL 137.76

Const. Type 1A Curb Inlet, T.C. = 141.10
STA. 3+21.93 W = 4' 2"

CAUTION Water Line

Drainage Esmt. Line

Const. Type 1A Curb Inlet, T.C. = 142.40
Street STA. 3+32.47 W = 4' 2"

Install 53' of 15" Pipe
USFL 138.96, DSFL 137.75

Const. Type 1A Curb Inlet, T.C. = 142.50 STA. 11+14
W = 6' 00"
Street STA. 2+66.50

42" SWS

ST. Gr. 0.324%

R/W

B-B

STA. 11+00
Match Line
6" San. Sewer
Elev. = 143.20

134.26 In

STA. 7+68.73 T.C. = 141.00
Const. Type 1A Curb Inlet W = 6' 00"

STA. 7+76.73 T.C. = 141.03
Const. Type 1A Curb Inlet W = 6' 00"

134.30 Out
134.16 In
134.74 Out
134.76 In

Natural Ground

Proposed T.C.

8'± RCP culvert

STA. 11+14 T.C. = 142.50
Type 1A Curb Inlet

135.50 Out

168.73' of SWS at +0.26 %
Alt. # 1 42" RCP
Alt. # 2 42" CMP (Fully Paved)

8' of SWS at +0.24 %
Alt. # 1 42" RCP
Alt. # 2 42" CMP (Fully Paved)

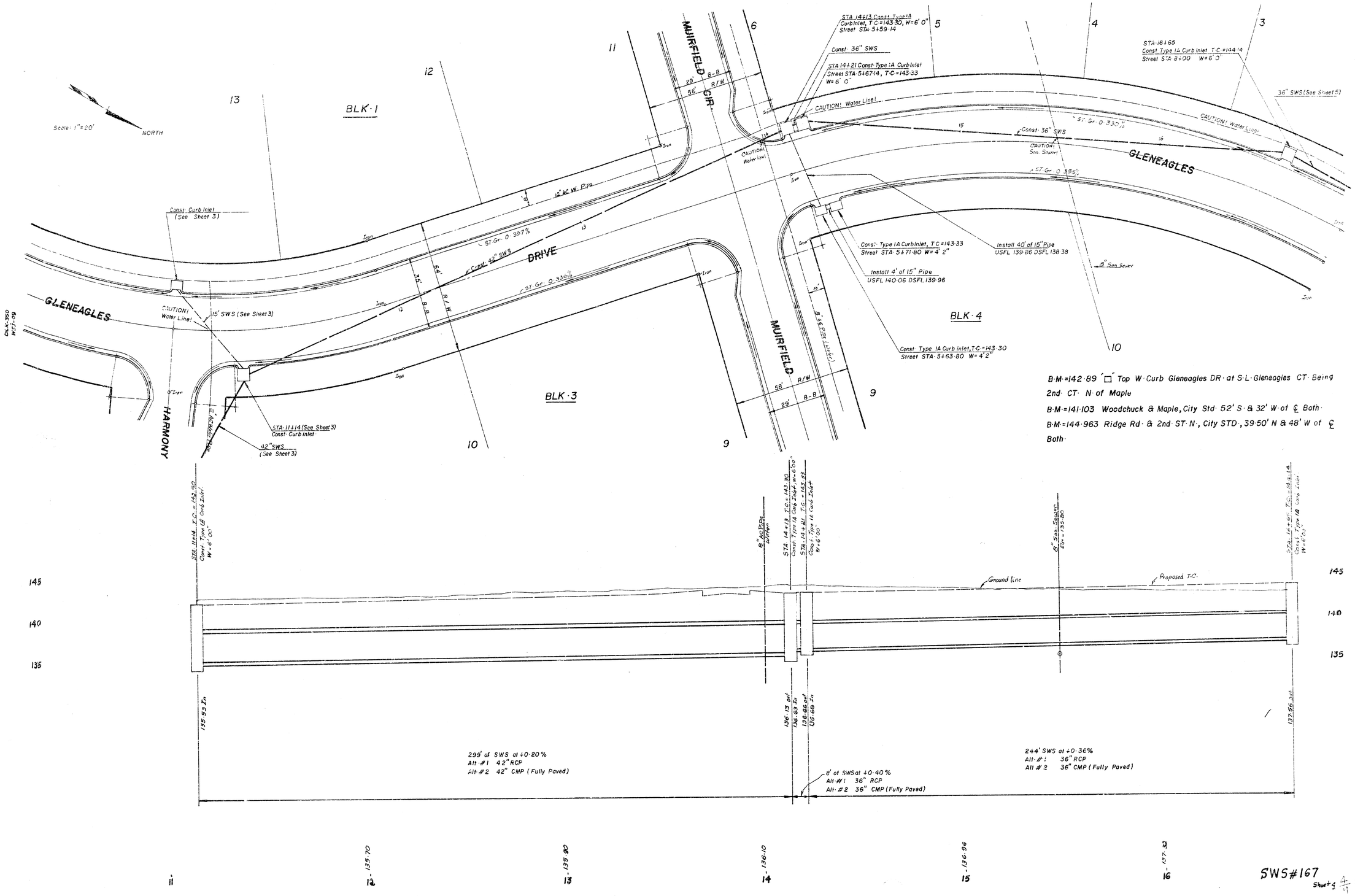
337.21' of SWS at +0.22 %
Alt. # 1 42" RCP
Alt. # 2 42" CMP (Fully Paved)

145
140
135
130

134.26 | 134.52 | 134.81 | 135.03 | 135.25 | 135.47

6 7 8 9 10 11

SWS #197
Sheet 3 of 10



B.M.=142.89 "□" Top W. Curb Gleneagles DR. at S.L. Gleneagles CT. Being 2nd. CT. N. of Maple

B.M.=141.103 Woodchuck & Maple, City Std. 52' S. & 32' W. of ℄ Both.

B.M.=144.963 Ridge Rd. & 2nd. ST. N., City STD., 39.50' N & 48' W of ℄ Both.

SWS#167

Sheet 4

BLK·1

BLK·8

BLK·4

BLK·5

GLENEAGLES DRIVE

PRESTWICK

STA 16+65, Curb Inlet (See Sheet 4)

STA 19+30, T.C. = 144.80
Const. Type IA Curb Inlet
W = 6' 0"

STA 22+33, T.C. = 145.80
Const. Type IA Curb Inlet
W = 6' 0"

CAUTION! Water Line!

12" AC Pipe (water)

Const. 36" SWS

ST. Gr. 0.330%

ST. Gr. 0.355%

3.5'

6.4'

B-B

R/W

3.4' AC Pipe (sewer)

2" ARK-L Gas Line

36" SWS (See Sheet 4)

36" SWS (See Sheet 16)

Const. Type IA Curb Inlet, T.C. = 144.80 W = 4' 2"

Install 4' of 15" Pipe USFL 141.56 DSFL 141.46

Install 39' of 15" Pipe USFL 141.36 DSFL 140.27

Const. Type IA Curb Inlet, T.C. = 144.80 W = 4' 2"

58' R/W

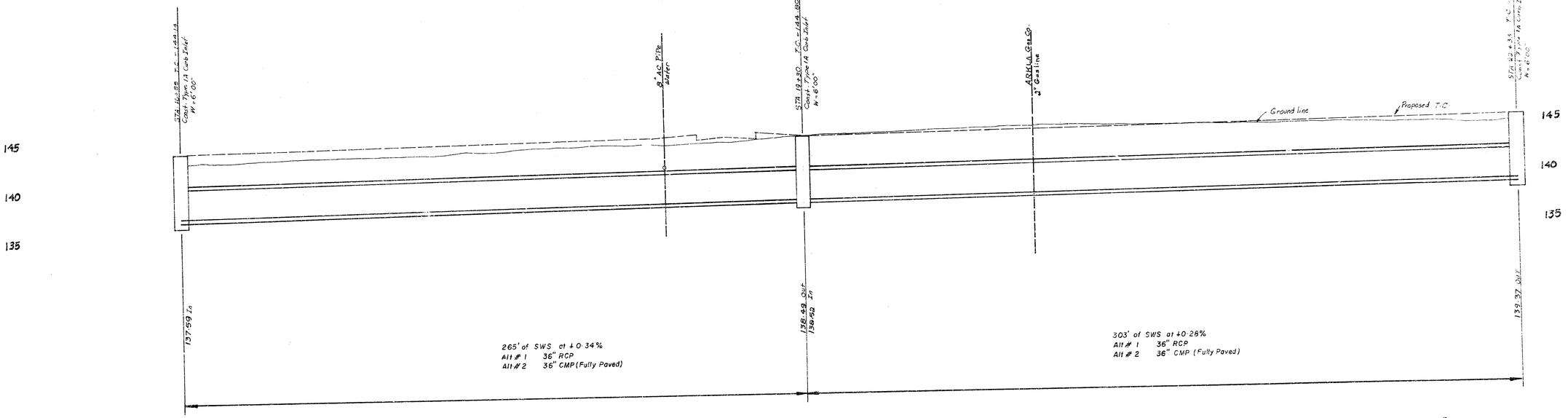
29' B-B

NORTH

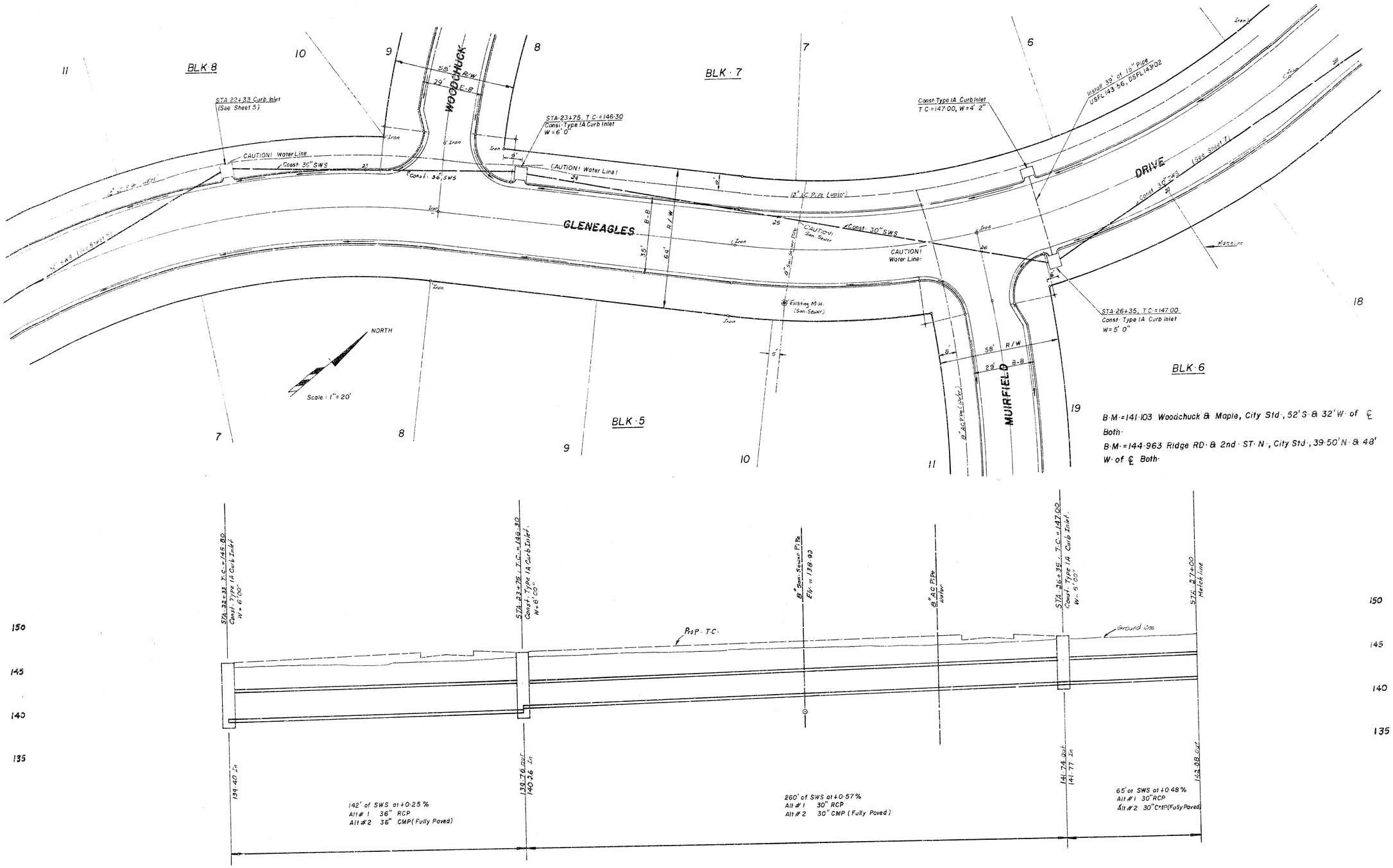
Scale: 1" = 20'

B·M·= 141·103 Woodchuck & Maple, City Std·52' S· & 32' W of ℄ Both·

B·M·= 144·963 Ridge Rd· & 2nd· ST· N· City Std·, 39·50' N·& 48' W of ℄ Both·



SWS #167
Sheet 5 OF 21



SWS #167
Sheet 6 OF 10

B.M.=151.58 RR SPK N.Face HLP 25' N. & 176' E. of Ctr. Sec. 21-27-1 2nd. ST. - Woodchuck

6 5 4 3 2 1

BLK. 7

Const. Type IA Curb Inlet W=4'2" T.C.=148.00

Install 39' of 15" Pipe USFL 144.56 DSFL 144.17

12" A.C. Pipe Water

GLENEAGLES DRIVE

CAUTION! Water Line

Const. 27" S.W.S.

CAUTION! Water Line

2nd. ST.

① Constr. Type IA Curb Inlet, W=4'2", Tbp 150.10

Install 4' of 15" Pipe ~~& Temporary Prog~~ USFL 146.67 DSFL 146.57

Prop 24" S.W.S. By Others

STA. 32+27 Const. Type IA Curb Inlet, T.C.=150.10 W=4'2" (If Prop. 24" SWS is Existing, Locate Curb Inlet Along North Curb line of 2nd. ST. So I's to Intercept the 24" SWS Any Required Extension of SWS Shall be Installed in Kind & Paid for at bid Price for that Size of Pipe.)

STA. 29+33 T.C.=148.00 Const. Type IA Curb Inlet W=5'0"

Install 28 of 15" Pipe USFL 145.16, DSFL 144.45

Drainage Easmt. Line

Const. Type IA Curb Inlet T.C.=148.60 W=4'2"

Install 4' of 15" Pipe ~~& Temporary Prog~~ USFL 146.67 DSFL 146.57

① Const. Type IA Curb Inlet W=4'2", Tbp 150.10

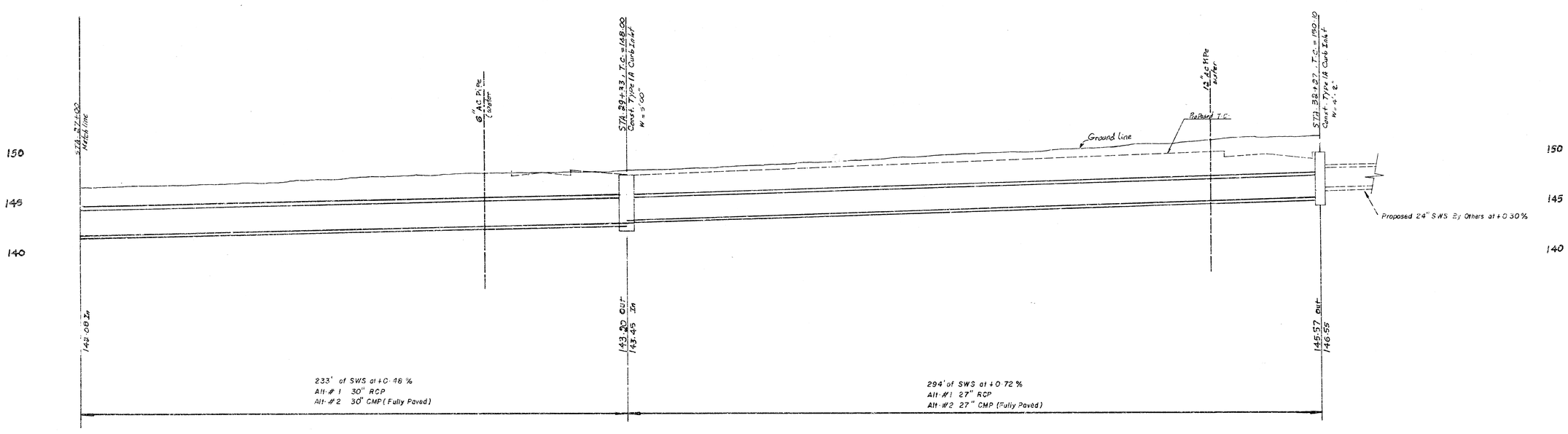
NORTH

Scale: 1"=20'

GLENEAGLES CT.

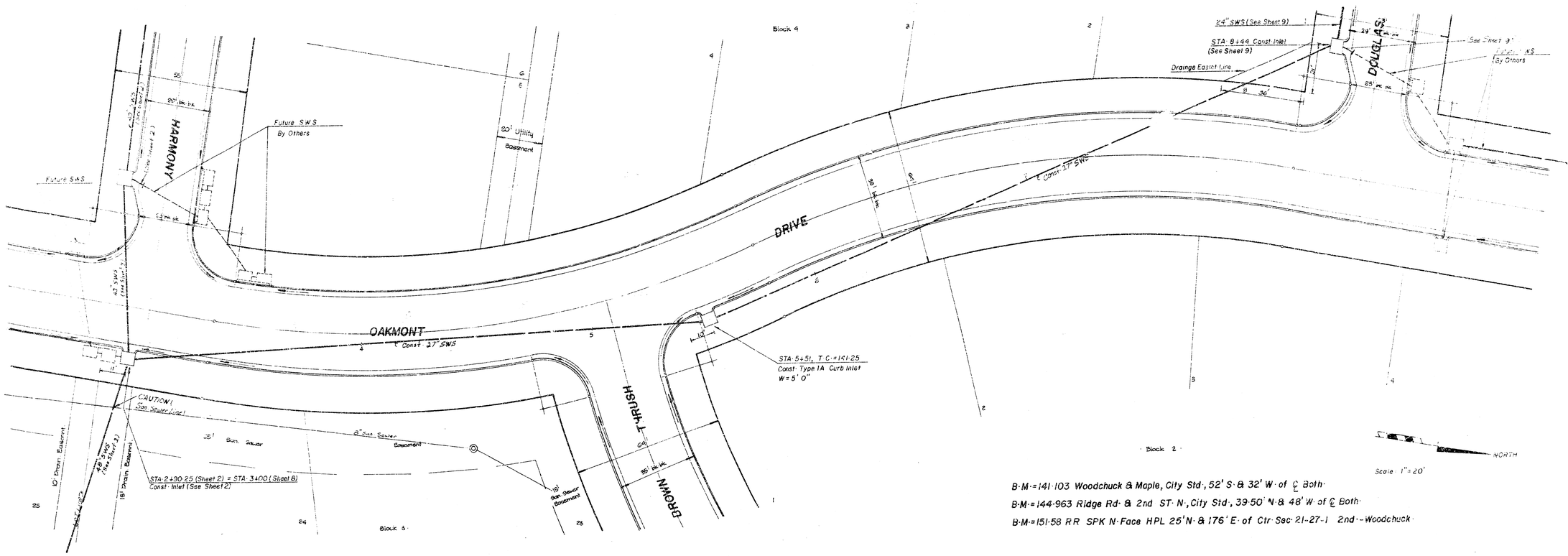
BLK. 6

19 18 7 6

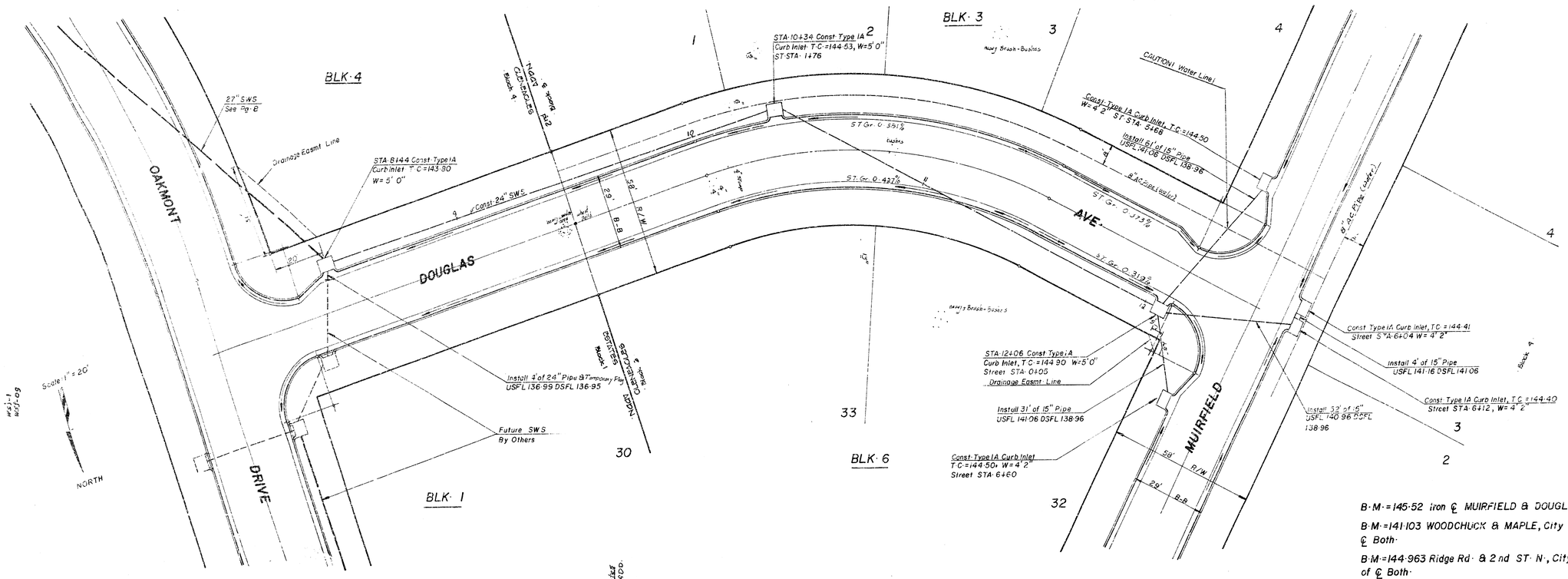


① Rev. (Add 2 Curb Inlets) 7-11-80

SWS #187 sheet 3 OF 10



SWS # 167 Sheet 8 of 10



SWS #167 Sheet 3 of 10