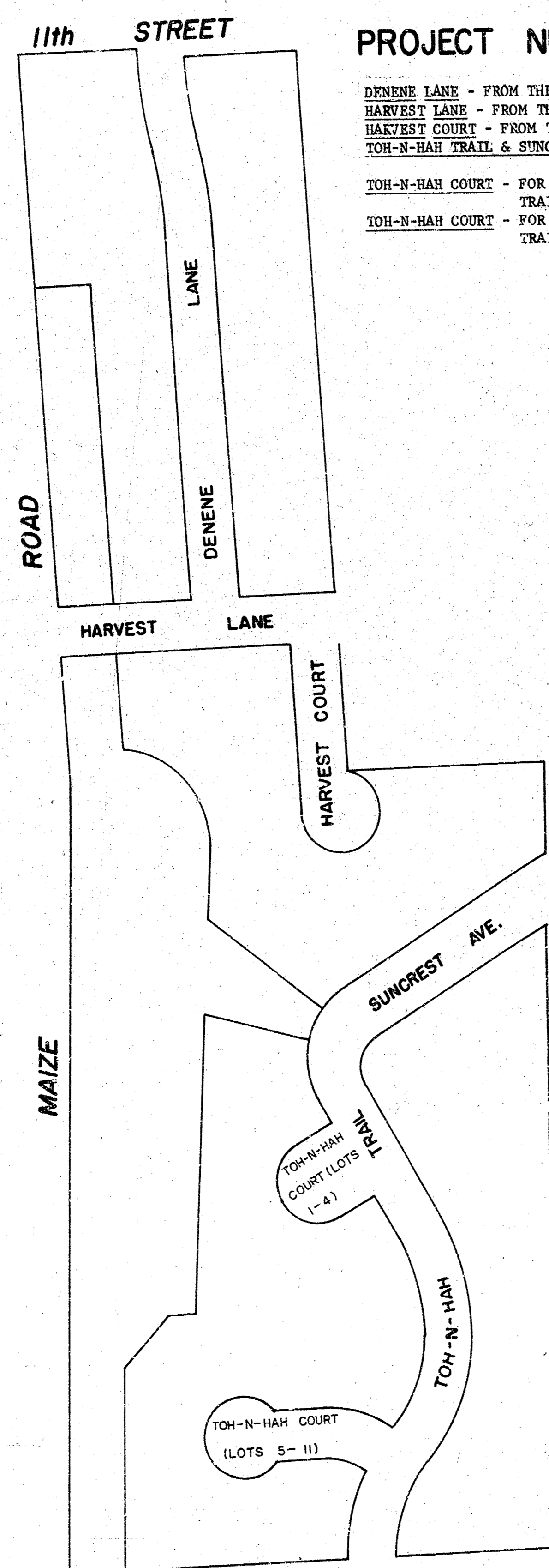
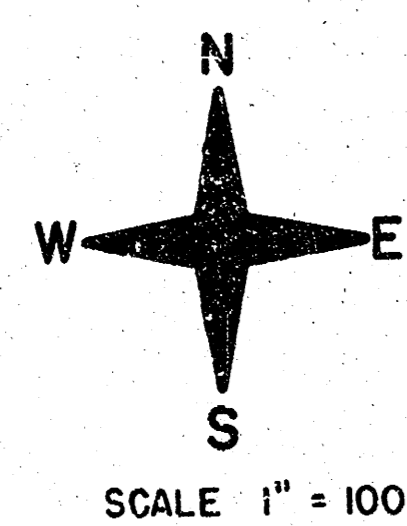


# STREETS IN WESTLINK LAKES ESTATE ADDITION

PROJECT NUMBER: 472-76-245-80779-000-000-001



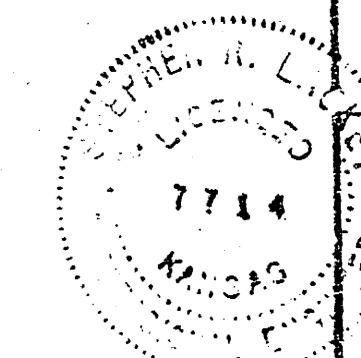
DENEENE LANE - FROM THE N.L. HARVEST LANE TO THE S.L. 11TH STREET  
 HARVEST LANE - FROM THE E.L. MAIZE ROAD TO THE E.L. LOT 7, BLOCK 1, WESTLINK LAKES ESTATE  
 HARVEST COURT - FROM THE S.L. HARVEST LANE TO AND INCLUDING CUL-DE-SAC  
 TOH-N-HAH TRAIL & SUNCREST AVENUE - FROM THE S.L. BLOCK 5, WESTLINK LAKES ESTATE TO THE E.L. BLOCK 5, WESTLINK LAKES ESTATE  
 TOH-N-HAH COURT - FOR LOTS 1-4, INCLUSIVE, BLOCK 4, WESTLINK LAKES ESTATE, FROM THE W.L. TOH-N-HAH TRAIL TO THE W.L. TOH-N-HAH TRAIL  
 TOH-N-HAH COURT - FOR LOTS 5-11, INCLUSIVE, BLOCK 4, WESTLINK LAKES ESTATE, FROM THE W.L. TOH-N-HAH TRAIL TO AND INCLUDING CUL-DE-SAC

## GENERAL NOTES:

1. FIELD ENGINEER SHALL TAKE TIES TO ALL IRONS AND THIMBLES WHICH MAY BE DESTROYED AND REPLACE ALL IRONS AND THIMBLES THAT ARE DESTROYED.
2. CONTRACTOR SHALL COORDINATE WORK WITH SANITARY SEWER AND STORM SEWER CONTRACTORS.
3. CONTRACTOR SHALL COORDINATE WORK WITH UTILITY COMPANIES AND OTHER AGENCIES RELATED TO THE PROJECT SITE DEVELOPMENT.
4. TREES TO BE REMOVED ARE MARKED  , EXCEPT THAT ANY TREE WHICH IN THE OPINION OF THE FIELD ENGINEER CAN BE SAVED, SHALL BE SAVED.
5. CONTRACTOR SHALL REMOVE CONCRETE SLABS AND FOOTINGS IN STREET RIGHT-OF-WAY AND STOCKPILE THEM AT A LOCATION ON SITE TO BE DETERMINED BY DEVELOPER. CONTACT CHUCK BRODIE: TELEPHONE: 262-0031. REMOVAL OF CONCRETE SLABS AND FOOTINGS SHALL BE PAID FOR AS S.Y. PAVEMENT REMOVED.
6. CONTRACTOR SHALL CONTACT CHUCK BRODIE FOR LOCATION ON SITE OF SHOIL STOCKPILED FROM OTHER PROJECTS, IF ANY, AND USE SUCH SPOIL IN FILL SECTIONS OF THIS PROJECT.
7. CONTRACTOR SHALL CONTACT CHUCK BRODIE REGARDING ITEMS MARKED "TO BE REMOVED BY 'OTHERS'", IF NECESSARY.

## CONTENTS

COVER SHEET	P 1
DENEENE LN. & COMPLETE TITLE	Pp. 2,3
HARVEST LN.	P 4
HARVEST CT.	P 5
TOH-N-HAH TRAIL & SUNCREST AVE.	Pp. 6,7
TOH-N-HAH CT. (LOTS 1-4)	P 8
TOH-N-HAH CT. (LOTS 5-11)	P 9
CROSS-SECTIONS	Pp. 10-19
TYPICALS	Pp. 20, 21



BM EL 154.14 "d" OUT E-HUB GUARD R.C. BOX ON MAIZE RD. BETWEEN 11TH STREET & HARVEST LN.  
 IS C OF DENENE LN.

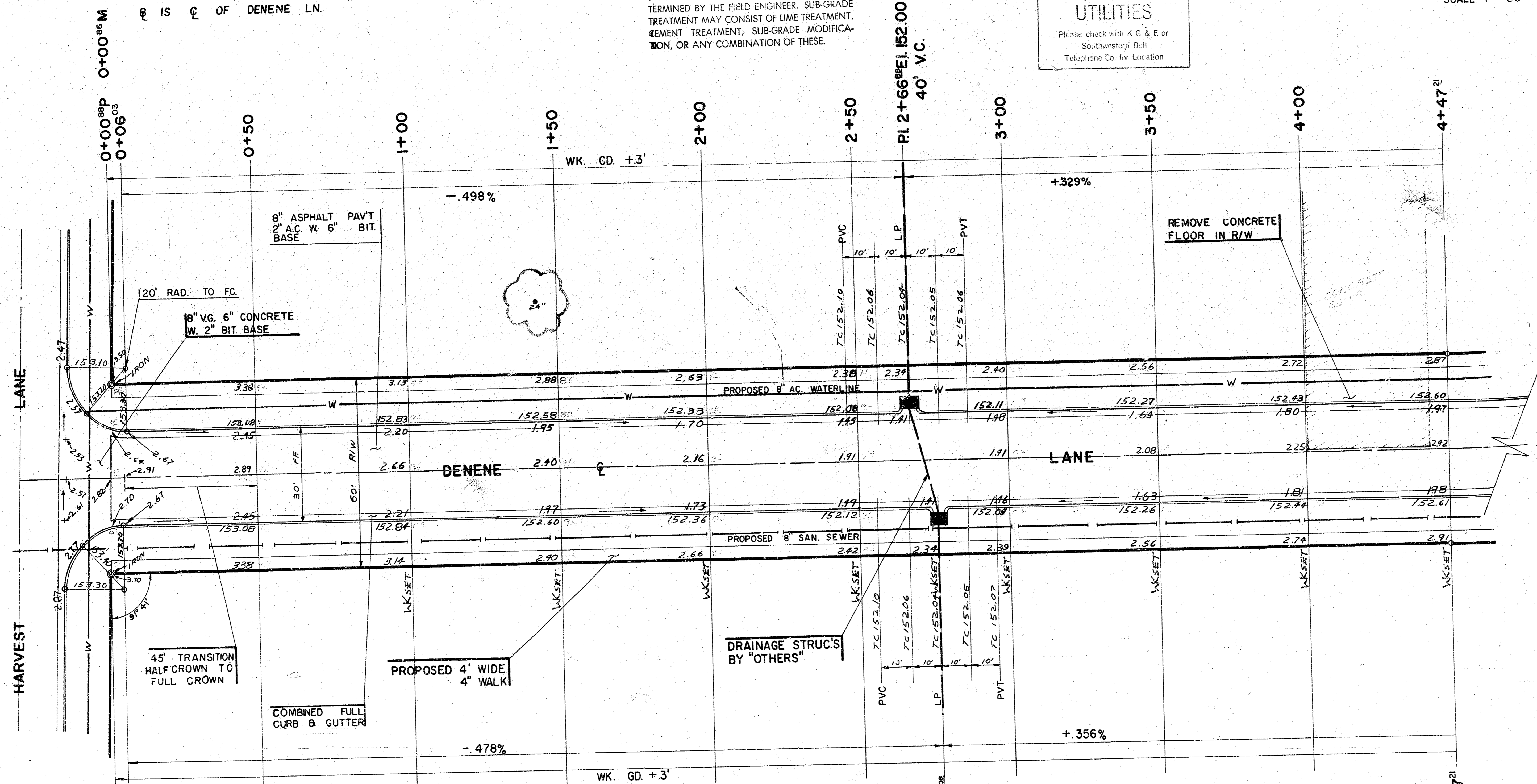
**SUB-GRADE**  
 TYPE OF SUB-GRADE TREATMENT SHALL BE DETERMINED BY THE FIELD ENGINEER. SUB-GRADE TREATMENT MAY CONSIST OF LIME TREATMENT, CEMENT TREATMENT, SUB-GRADE MODIFICATION, OR ANY COMBINATION OF THESE.

**CAUTION**  
**UNDERGROUND UTILITIES**  
 Please check with K G & E or Southwestern Bell Telephone Co. for Location

SCALE 1" = 20'

NO MORE THAN 1/2 - 20' DRIVES TO BE CONSTRUCTED ON THIS PROJECT.

Survey King  
 Hub  
 SMC  
 Checkoff



EARTH WORK:	PROPERTY	CITY
EXCAVATION	3410 C.Y.	188 C.Y.
+10%	341 C.Y.	19 C.Y.
TOTAL	3751 C.Y.	207 C.Y.
COMPACTED FILL	1941 C.Y.	213 C.Y.
+10%	194 C.Y.	21 C.Y.
TOTAL	2135 C.Y.	234 C.Y.
MANIPULATION	9254 S.Y.	1329 S.Y.

**STREETS IN WESTLINK LAKES ESTATE ADDITION**

- DENENE LANE - FROM THE N.L. HARVEST LANE TO THE S.L. 11TH STREET
- HARVEST LANE - FROM THE E.L. MAIZE ROAD TO THE E.L. LOT 7, BLOCK 1, WESTLINK LAKES ESTATE
- HARVEST COURT - FROM THE S.L. HARVEST LANE TO AND INCLUDING CUL-DE-SAC
- TOH-N-HAH TRAIL & SUNCREST AVENUE - FROM THE S.L. BLOCK 5, WESTLINK LAKES ESTATE TO THE E.L. BLOCK 5, WESTLINK LAKES ESTATE
- TOH-N-HAH COURT - FOR LOTS 1-4, INCLUSIVE, BLOCK 4, WESTLINK LAKES ESTATE, FROM THE W.L. TOH-N-HAH TRAIL TO THE W.L. TOH-N-HAH TRAIL
- TOH-N-HAH COURT - FOR LOTS 5-11, INCLUSIVE, BLOCK 4, WESTLINK LAKES ESTATE, FROM THE W.L. TOH-N-HAH TRAIL TO AND INCLUDING CUL-DE-SAC

CITY OF WICHITA, KS.  
 R.W. LINN CITY ENGINEER  
 PROJECT NUMBER 472-76-245-80779-000-000-001  
 DATE:

B.M. EL. 154.14 "O" CUT E-HUB GUARD RC-BOX ON MAIZE RD. BETWEEN HARVEST LN. & 11TH STREET  
 IS C OF DENENE LN.

$\Delta = 1132'13''$  R. = 418.95' T. = 50' L. = 99.66' LC. = 99.49'

CURVE DATA BASED ON  $\Delta$  RAD  $\Delta = 54'06''$

STA.	ARC	CHORD	CHORD BEARING	CHORD LENGTH	DEFLECTION	TOTAL DEFLECTION
4+47.21						0°
4+75	27.79	26.52	29.10	1°36'31"	1°36'31"	
5+00	25	23.86	26.18	1°26'49"	3°03'20"	
5+25	25	23.86	26.18	1°26'49"	4°30'09"	
5+46.87	21.87	20.87	22.41	1°15'57"	5°46'06"	

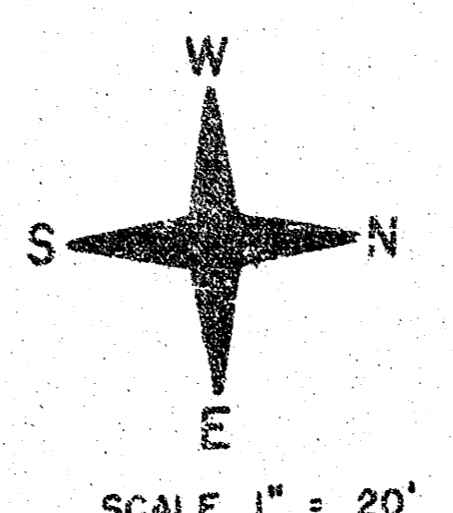
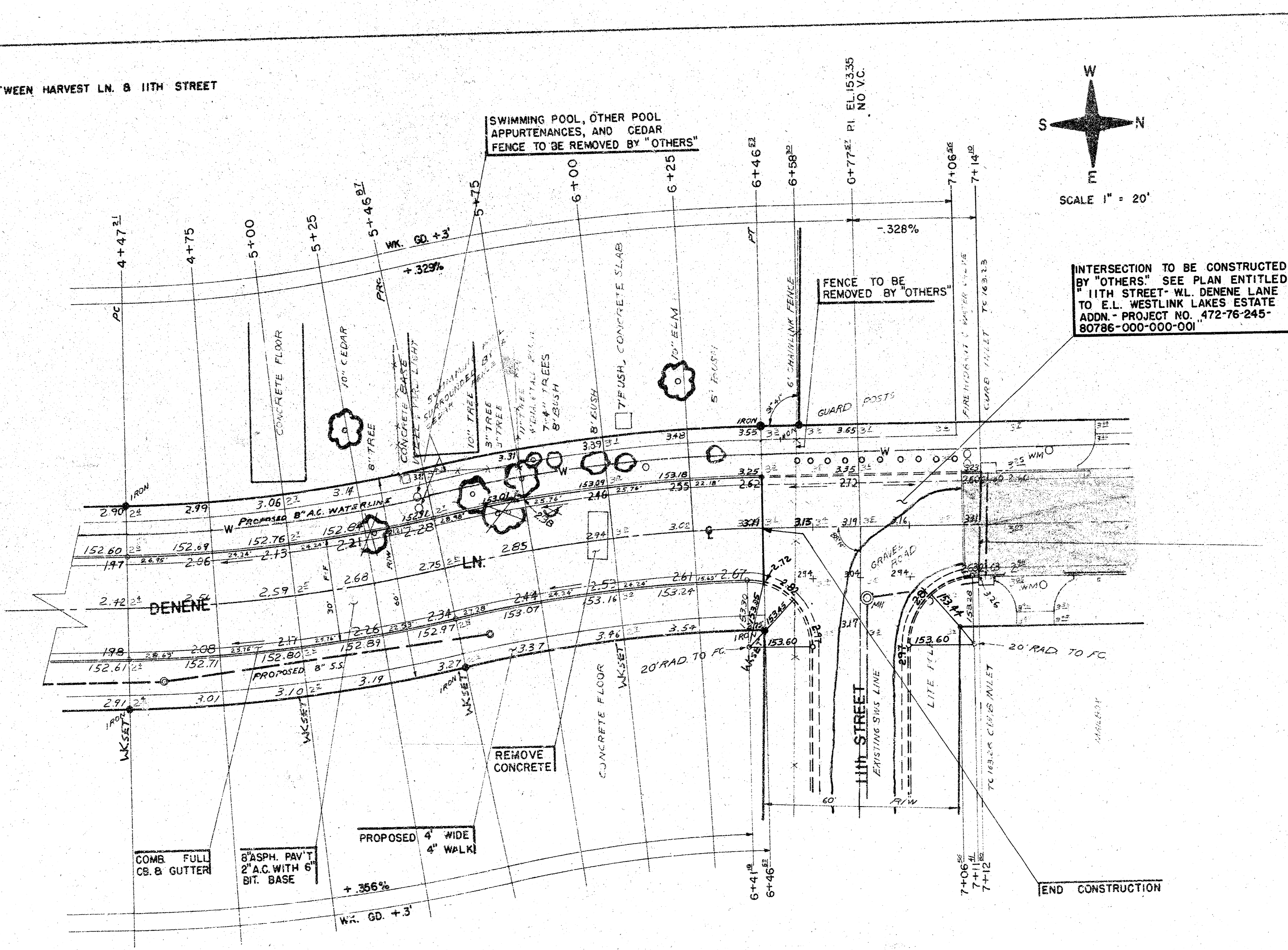
Def' = 3.47287171

$\Delta = 1132'13''$  R. = 418.95' T. = 50' L. = 99.66' LC. = 99.49'

CURVE DATA BASED ON  $\Delta$  RAD  $\Delta = 3'46'24''$

STA.	ARC	CHORD	CHORD BEARING	CHORD LENGTH	DEFLECTION	TOTAL DEFLECTION
5+46.87						
5+75	28.13	29.43	24.82	1°37'42"	1°37'42"	
6+00	25	23.86	26.18	1°26'49"	3°04'31"	
6+25	25	23.86	26.18	1°26'49"	4°31'20"	
6+41.28	11.18	14.93	15.43	54'11"	5°27'31"	
6+46.83	5.35	5.60	5.10	18'35"	5°46'24"	

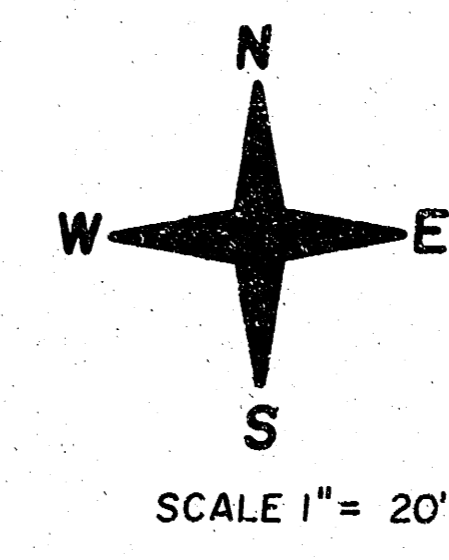
Def' = 3.47287171



INTERSECTION TO BE CONSTRUCTED BY "OTHERS" SEE PLAN ENTITLED BY 11TH STREET-WL. DENENE LANE TO E.L. WESTLINK LAKES ESTATE ADDN. - PROJECT NO. 472-76-245-80786-000-000-001

DENENE LANE  
 STREETS IN WESTLINK  
 LAKES ESTATES ADDN.

B.M. EL. 151.67 RR. SPK. E-FACE PP NE CORNER HARVEST LN. @ MAIZE RD. 18' N OF N.L. HARVEST LN.  
 @ IS C HARVEST LN.



INSTALL 60 LF 21 X 15  
 CMPA. COST OF INSTALLATION  
 TO BE INCIDENTAL TO COST  
 PER LF OF PIPE

CONSTRUCT 5" ASPHALT  
 HOOKUP, MATCH EXISTING  
 GRADE ON MAIZE RD.

REMOVE FENCE  
 POSTS IN R/W  
 COST TO BE IN-  
 CIDENTAL TO  
 PROJECT

BEGIN PAVEMENT  
 STA. 1+00 ON C

FLARED END SECTIONS  
 TO BE BID AS LF PIPE

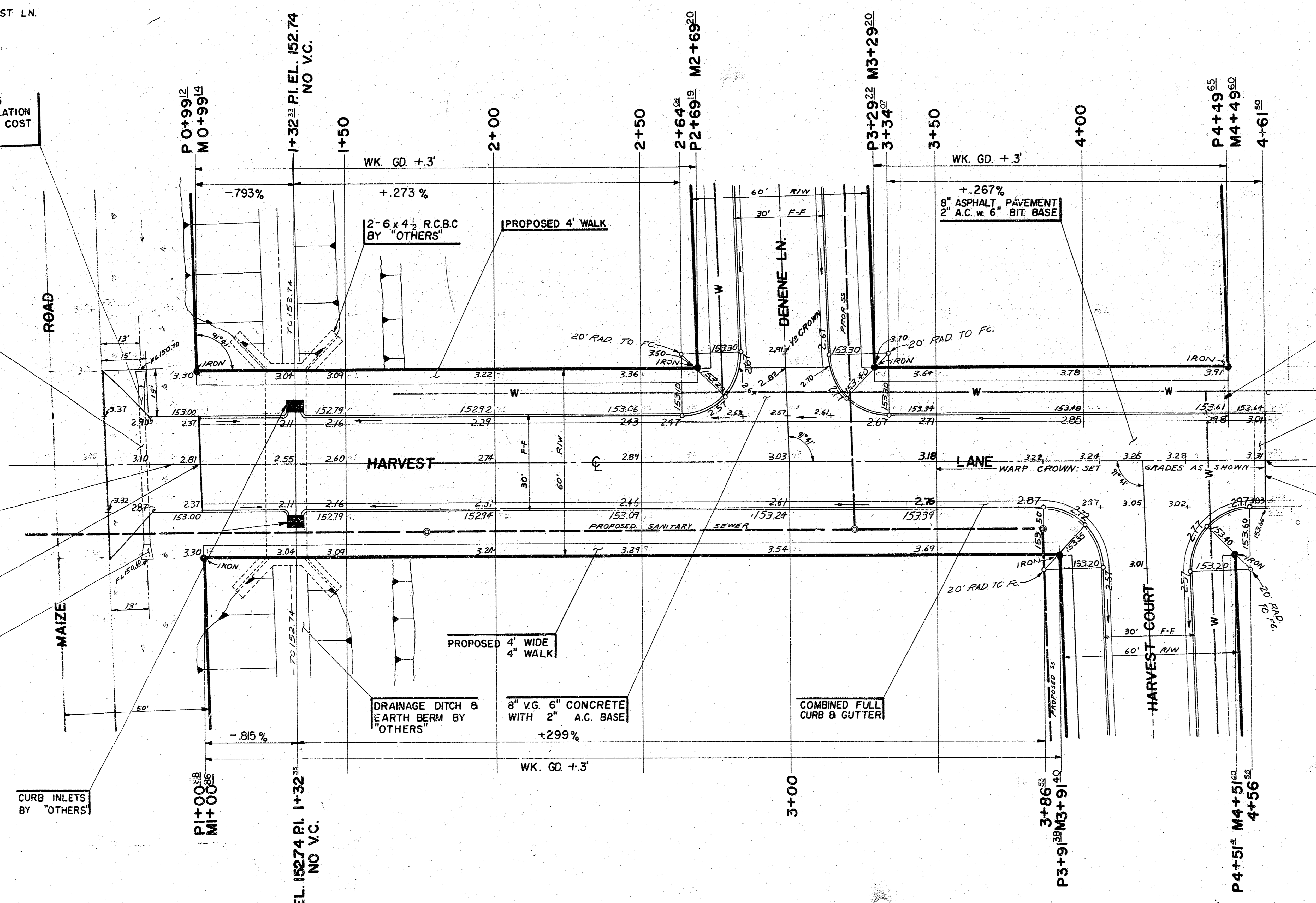
CURB INLETS  
 BY "OTHERS"

CHAINLINK FENCE TO BE  
 REMOVED BY "OTHERS"

REMOVE EXISTING ASPHALT  
 BACK TO END EXISTING CURB

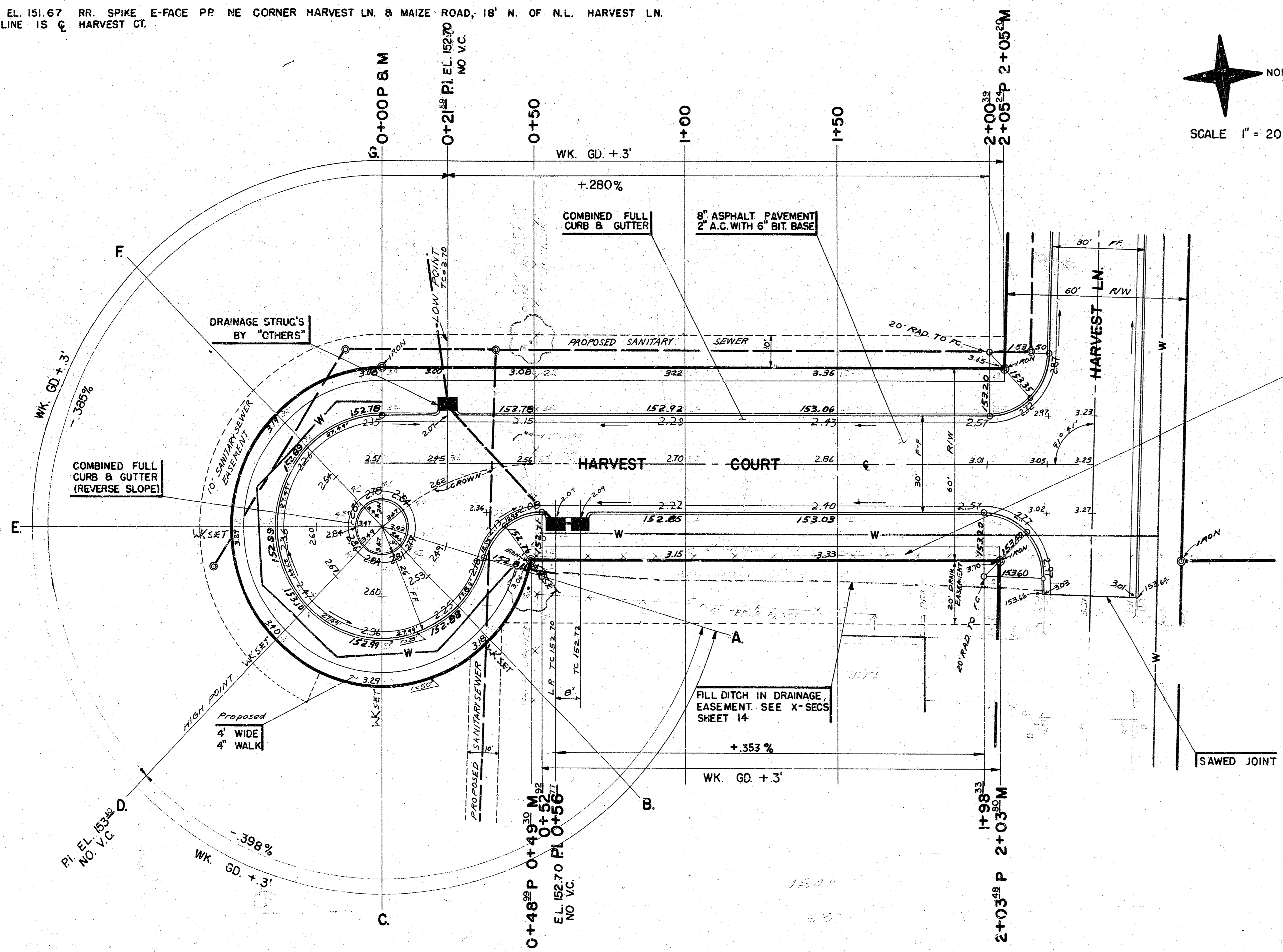
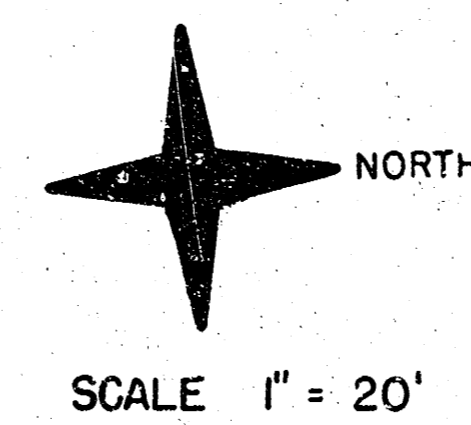
END PAVEMENT STA. 4+61<sup>50</sup>  
 MATCH EXISTING PAV'T

SAW JOINT



HARVEST LANE  
 STREETS IN WESTLINK LAKES  
 & STATES ADDN.

B.M. EL. 151.67 RR. SPIKE E-FACE PP NE CORNER HARVEST LN. & MAIZE ROAD, 18' N. OF N.L. HARVEST LN.  
 BASELINE IS  $\phi$  HARVEST CT.



CHAINLINK FENCE TO BE REMOVED BY "OTHERS"

HARVEST COURT  
 STREETS IN WESTLINK  
 LAKES E STATES ADDN.

B.M. EL. 151.67 RR. SPK. E-FACE PP NE CORNER HARVEST LN. & MAIZE, 18' N OF N.L. HARVEST LN.  
 BASELINE IS TOH-N-HAH TRAIL

CURVE DATA BASED ON  $\Delta = 41^\circ 48' 40''$  RAD  $\Delta = 20^\circ 54' 20''$

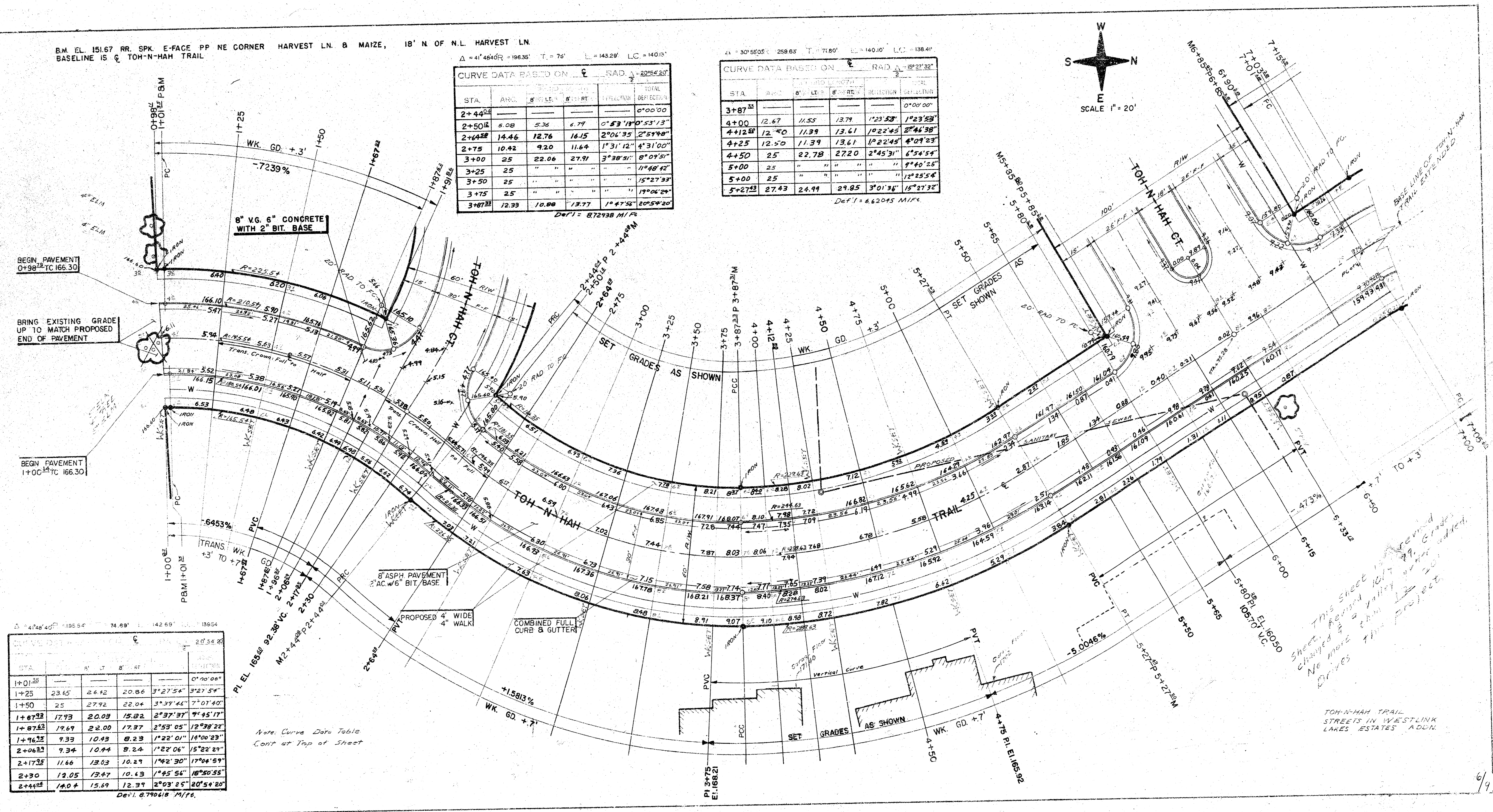
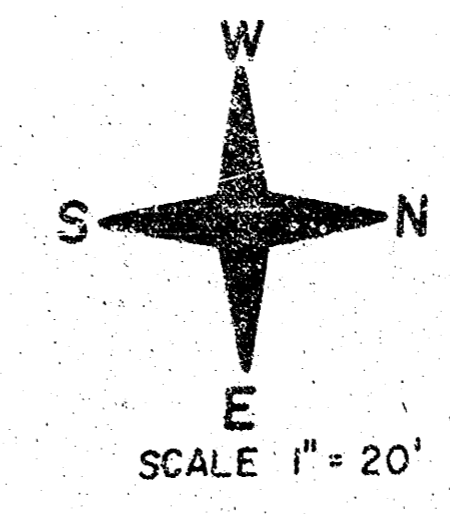
STA.	ANG.	8" V.L.	8" H.L.	1/4" COR.	TOTAL DEFLECTION
2+44.25					0°00'00"
2+50.14	6.08	5.36	6.77	0°53'18"	0°53'18"
2+64.25	14.46	12.76	16.15	2°04'35"	2°51'48"
2+75	10.42	9.20	11.64	1°31'12"	4°31'00"
3+00	25	22.06	27.71	3°38'51"	8°09'51"
3+25	25	"	"	"	11°48'42"
3+50	25	"	"	"	15°27'33"
3+75	25	"	"	"	19°06'24"
3+87.25	12.39	10.88	13.77	1°47'53"	20°54'20"

Def'l = 872938 M/P

CURVE DATA BASED ON  $\Delta = 30^\circ 55' 05''$  RAD  $\Delta = 15^\circ 27' 32''$

STA.	ANG.	8" V.L.	8" H.L.	1/4" COR.	TOTAL DEFLECTION
3+87.25					0°00'00"
4+00	12.67	11.55	13.74	1°23'53"	1°23'53"
4+12.58	12.50	11.39	13.61	1°22'45"	2°46'38"
4+25	12.50	11.39	13.61	1°22'45"	4°09'23"
4+50	25	22.78	27.20	2°45'31"	6°54'54"
5+00	25	"	"	"	9°40'25"
5+25	25	"	"	"	12°25'56"
5+27.53	27.43	24.44	29.85	3°01'36"	15°27'32"

Def'l = 662045 M/P



Δ = 47°48'40" 1195.54' 74.69' 142.69' 139.54'

STA.	ANG.	8" V.L.	8" H.L.	1/4" COR.	TOTAL DEFLECTION
1+01.25					0°00'00"
1+25	23.65	26.42	20.86	3°27'54"	3°27'54"
1+50	25	27.92	22.04	3°37'44"	7°01'40"
1+87.25	17.93	20.09	15.82	2°37'37"	9°45'17"
1+87.25	19.69	22.00	17.37	2°53'05"	12°38'22"
1+96.25	9.33	10.43	8.23	1°22'01"	14°00'23"
2+06.25	9.34	10.44	8.24	1°22'06"	15°22'29"
2+17.25	11.66	13.03	10.29	1°42'30"	17°04'59"
2+30	12.05	13.47	10.63	1°45'56"	18°50'55"
2+44.25	14.04	15.69	12.39	2°03'25"	20°54'20"

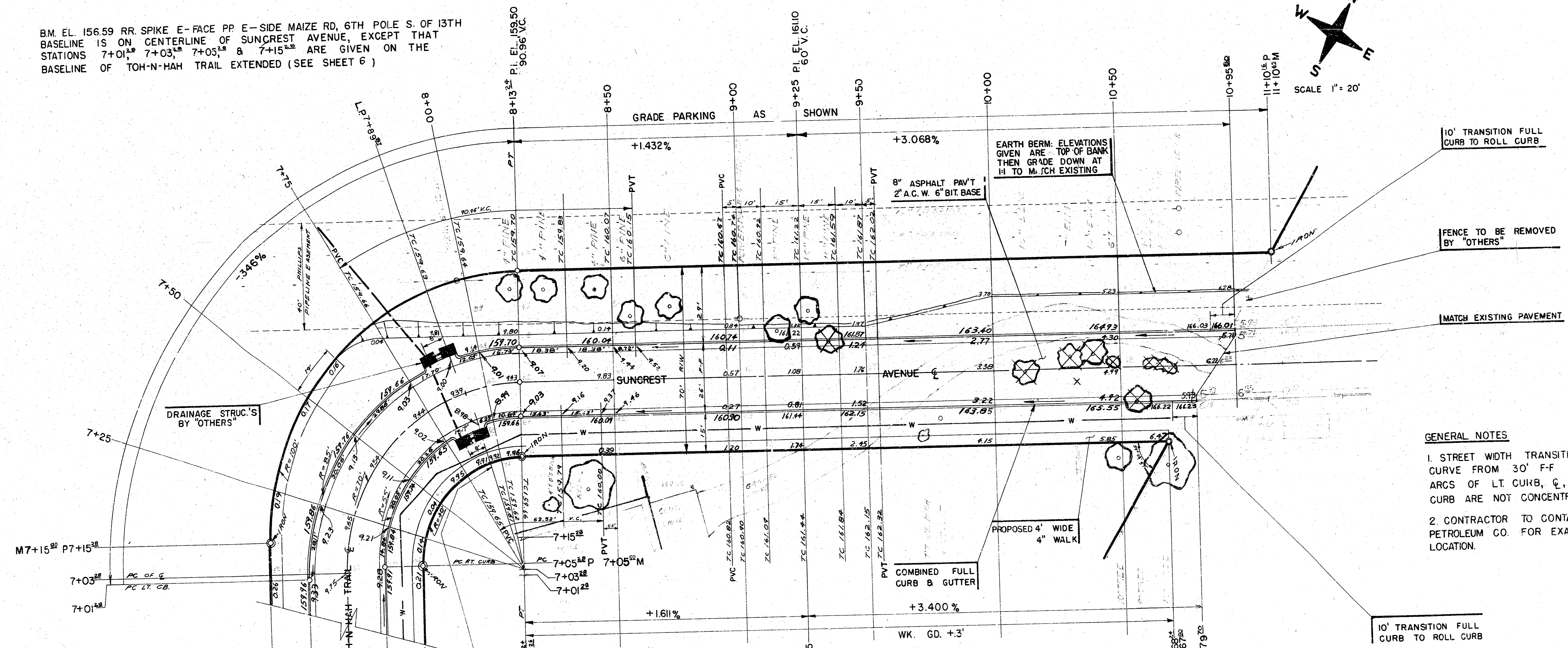
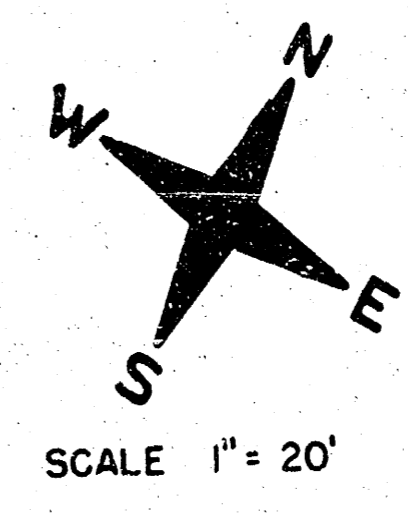
Dev'l. @ 770418 M/P

Note: Curve Data Table Cont. at Top of Sheet

This sheet has been changed to show a 10' wide driveway. No more than 10' wide driveway drives thru project.

TOH-N-HAH TRAIL STREETS IN WESTLINK LAKES ESTATES ADDN.

B.M. EL. 156.59 RR SPIKE E-FACE PP E-SIDE MAIZE RD, 6TH POLE S. OF 13TH  
 BASELINE IS ON CENTERLINE OF SUNCREST AVENUE, EXCEPT THAT  
 STATIONS 7+01<sup>28</sup>, 7+03<sup>28</sup>, 7+05<sup>28</sup> & 7+15<sup>28</sup> ARE GIVEN ON THE  
 BASELINE OF TOH-N-MAH TRAIL EXTENDED (SEE SHEET 6)



**GENERAL NOTES**

1. STREET WIDTH TRANSITIONS AROUND CURVE FROM 30' F-F TO 26' FF. ARCS OF LT CURB, C, AND RT. CURB ARE NOT CONCENTRIC.
2. CONTRACTOR TO CONTACT PHILLIPS PETROLEUM CO. FOR EXACT PIPELINE LOCATION.

$\Delta = 90^\circ$  R = 93' T = 93' L = 146.06' LC = 131.52'

CURVE DATA BASED ON LT.  $\Delta = 45^\circ$

STA.	ARC.	CHORD LENGTH # OFF LT CURB	DEFL.	TOTAL DEFL.
(7+01 <sup>28</sup> )	0+00			0+00'00"
(7+25)	0+30 <sup>28</sup>	30.76	9°28'33"	9°28'33"
(7+50)	0+63 <sup>28</sup>	32.89	10°01'53"	19°30'26"
(7+75)	0+96 <sup>28</sup>	32.67	10°03'52"	29°34'18"
(7+99 <sup>28</sup> )	1+15 <sup>28</sup>	19.36	5°57'49"	35°32'07"
(8+00)	1+28 <sup>28</sup>	13.19	4°03'49"	39°35'56"
(8+15 <sup>28</sup> )	1+46 <sup>28</sup>	17.21	5°18'04"	44°54'00"

Def'l = 48.483' / ft.

$\Delta = 90^\circ$  R = 47' T = 47' L = 73.83' LC = 66.47'

CURVE DATA BASED ON RT.  $\Delta = 45^\circ$

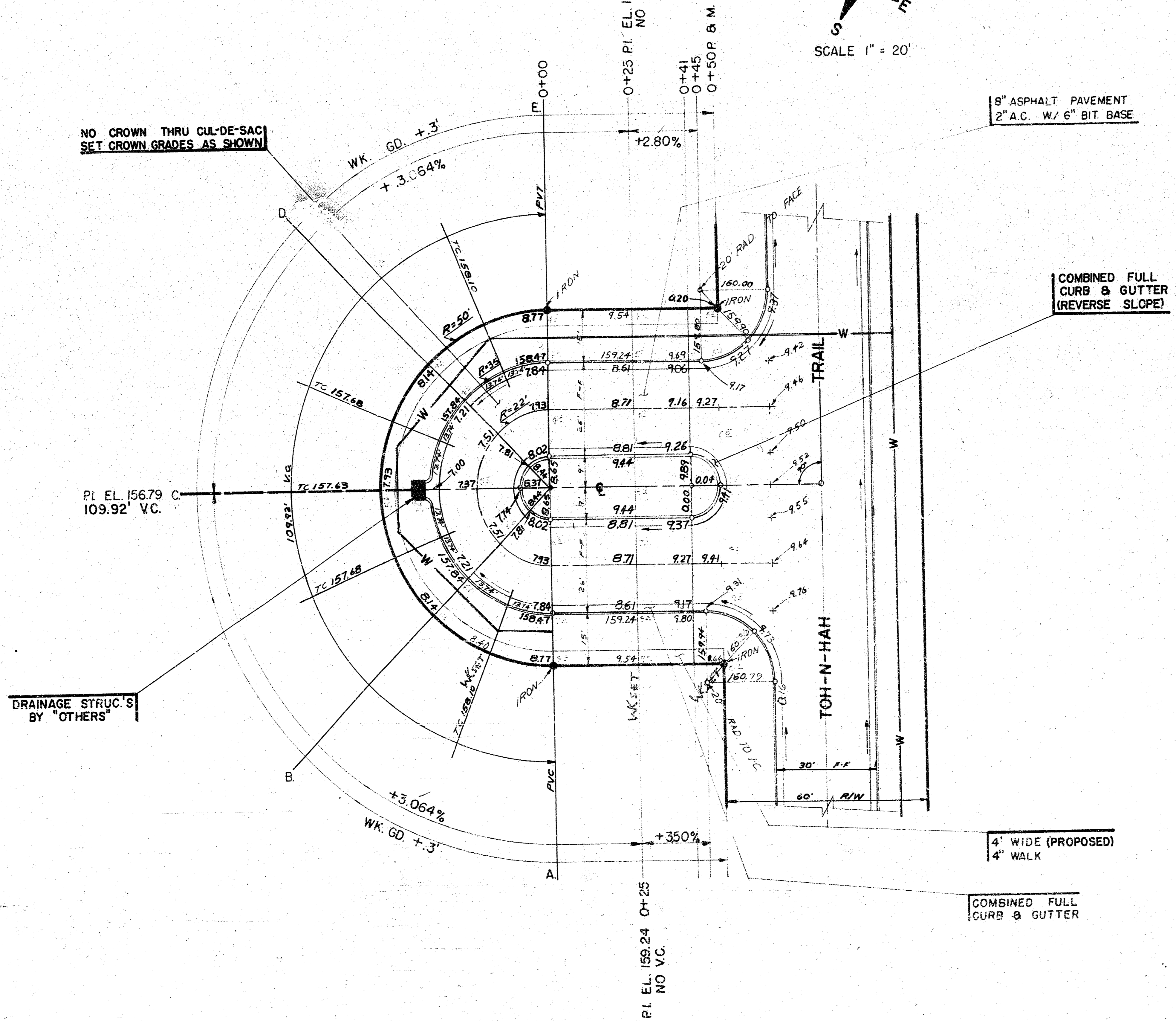
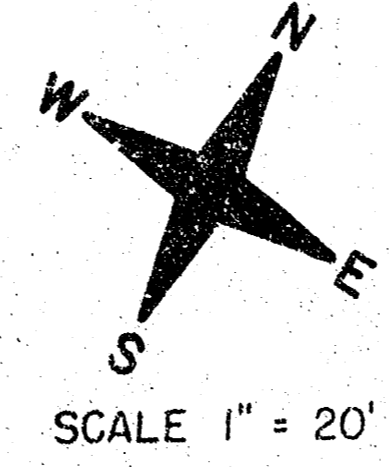
STA.	ARC.	CHORD LENGTH # OFF RT CURB	DEFL.	TOTAL DEFL.
(7+05 <sup>28</sup> )	0+00			0+00'00"
(7+25)	0+12 <sup>28</sup>	12.68	7°43'40"	7°43'40"
(7+50)	0+29 <sup>28</sup>	17.03	10°26'17"	18°09'57"
(7+75)	0+47 <sup>28</sup>	17.31	10°33'10"	28°43'07"
(7+92 <sup>28</sup> )	0+59 <sup>28</sup>	12.09	7°23'15"	36°06'22"
(8+00)	0+64 <sup>28</sup>	5.33	3°14'53"	39°21'15"
(8+13 <sup>28</sup> )	0+73 <sup>28</sup>	9.26	5°38'45"	45°00'00"

Def'l = 36.51' / ft.

SUNCREST AVENUE  
 STREETS IN WESTLINK  
 LAKES ESTATES ADDN.

B.M. EL. 151.86 RR. SPK. NE-FACE PP. 1/2 BLOCK W. OF CRESTLINE ON S-SIDE 11TH ST.  
 IS TOH-N-HAH CT.

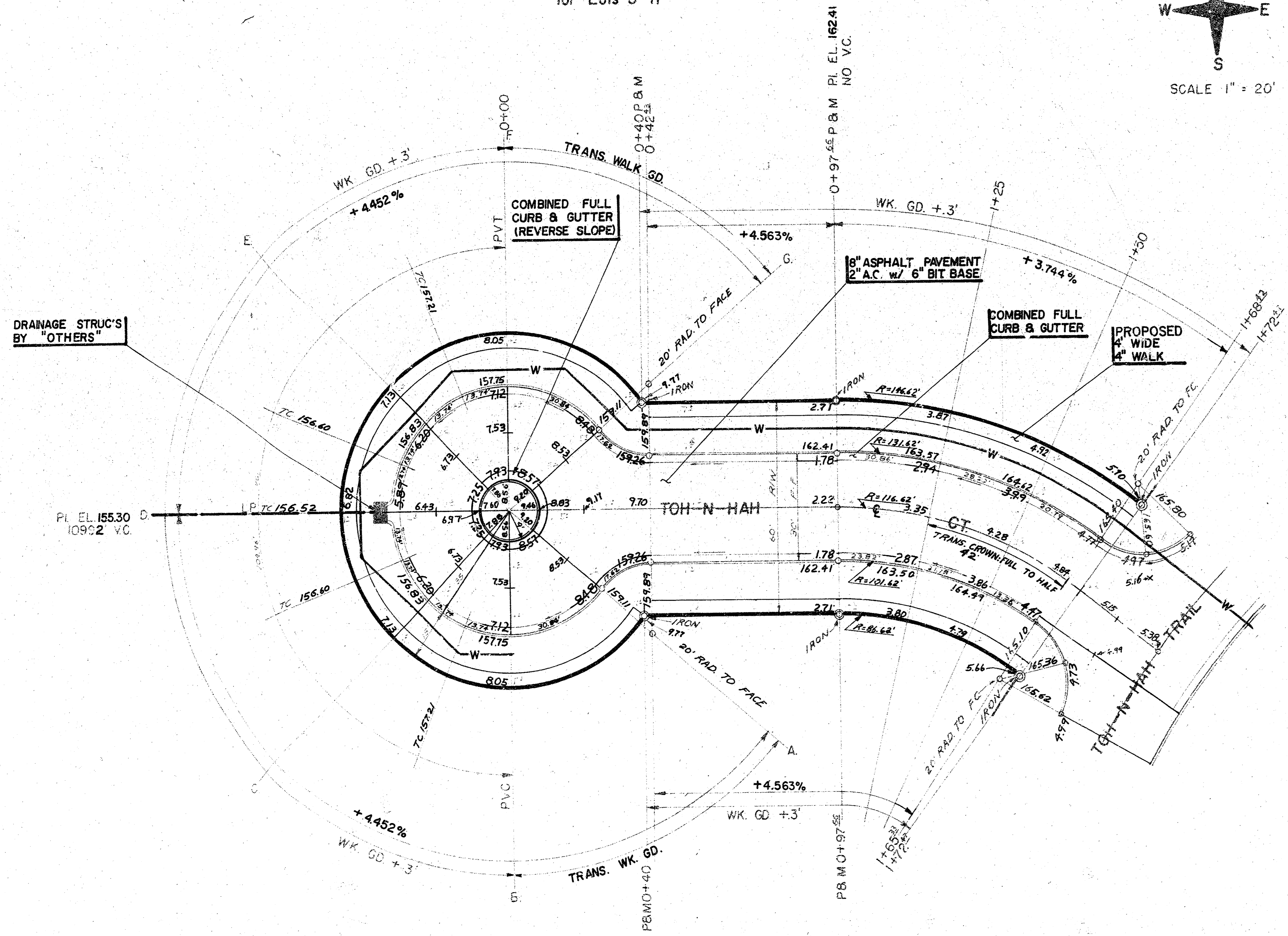
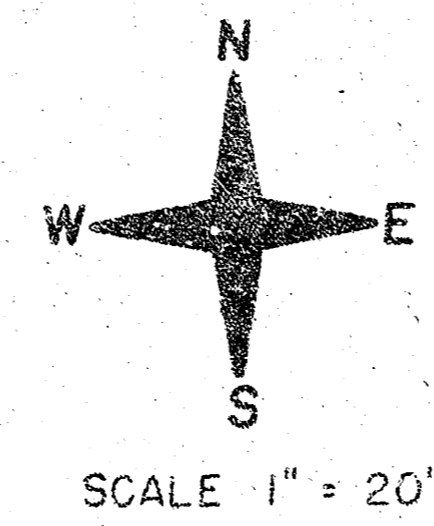
**TOH-N-HAH COURT**  
 for Lots 1-4



TOH-N-HAH COURT (LOTS 1-4)  
 STREETS IN WESTLINK LAKES  
 ESTATES ADDN

B.M. EL. 151.67 RR. SPIKE E-FACE PP NE. CORNER HARVEST LN. & MAIZE RD, 18' N. OF N-LINE HARVEST LANE  
 BASELINE IS C TOH-N-HAH CT

**TOH-N-HAH COURT**  
 for Lots 5-11



*This sheet is a revised sheet. Revised 10/19/79. Grades changed. No more than 12'-20' drives to be constructed this project.*

Δ = 36° 45' 07" R = 116.62' T = 38.74' L = 74.81' LC = 73.53'

CURVE DATA BASED ON C RAD Δ = 18° 22' 34"

STA	ARC	CHORD LENGTH		DEFLECTION	TOTAL DEFLECTION
		8" PL. TO	18" PL. TO		
0+97.88					0° 00' 00"
1+25	27.34	32.44	21.90	6° 42' 57"	6° 42' 57"
1+50	25	29.87	20.03	6° 08' 28"	12° 51' 25"
1+65.88	15.33	18.34	12.30	3° 45' 34"	16° 37' 21"
1+68.88	3.07	3.70	2.48	0° 45' 32"	17° 22' 53"
1+72.7	4.05	4.85	3.25	0° 59' 41"	18° 22' 34"

14.738226 11/78