FED. ROAD DIV. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.
3	FLA.	16003-3501	70	1

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

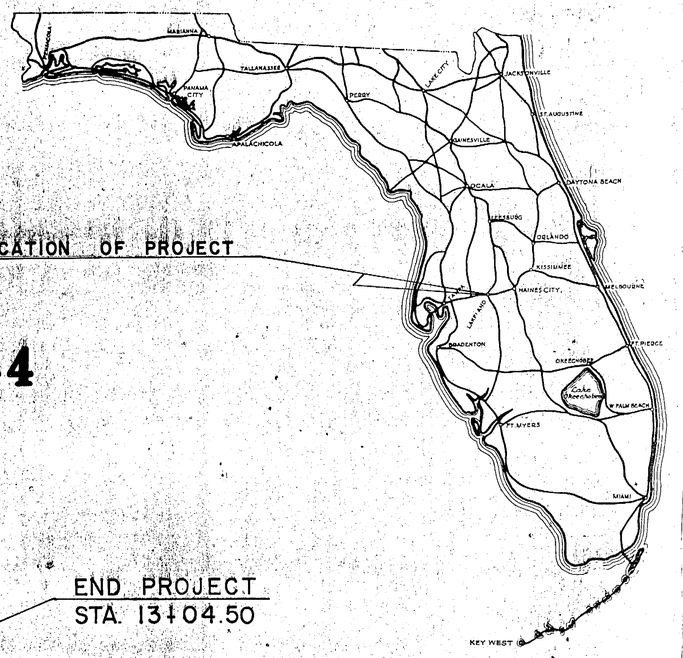
PLANS OF PROPOSED
STATE HIGHWAY

STATE PROJECT NO. 16003-3501-01-44
POLK COUNTY
STATE ROAD NO. 563

INDEX OF SHEETS

SHEET NO.	
1	KEY MAP
2-4	TYPICAL SECTIONS & SUMMARY OF QUANTITIES
5-13	PLAN AND PROFILE SHEETS
14-22	INTERSECTION DETAILS
23-30	OUTFALL PLAN AND PROFILES
31-33	OUTFALL CROSS SECTION SHEETS
34-35	ROADWAY SOIL SURVEY
36-42	ROADWAY CROSS SECTION SHEETS

INDEX NO.	
1101-U	MISC. ROADWAY CONST. DETAILS (2 SHEETS)
1129-E	U-ENDWALLS FOR PIPE CULVERTS (2 SHEETS)
1915-J	DETAILS FOR MUNICIPAL CONSTRUCTION
2613-N	STANDARD WARNING SIGN DETAILS (3 SHEETS)
5016-B	TURNOUT DETAILS
5047-F	INLET, MANHOLE AND JUNCTION BOX TYPES P & J (2 SHEETS)
5061-D	MISC. DRAINAGE DETAILS (2 SHEETS)
5071-F	CONCRETE PAVEMENT JOINTS (2 SHEETS)
5080-E	CURB, CURB & GUTTER AND TRAFFIC SEPARATOR (2 SHEETS)

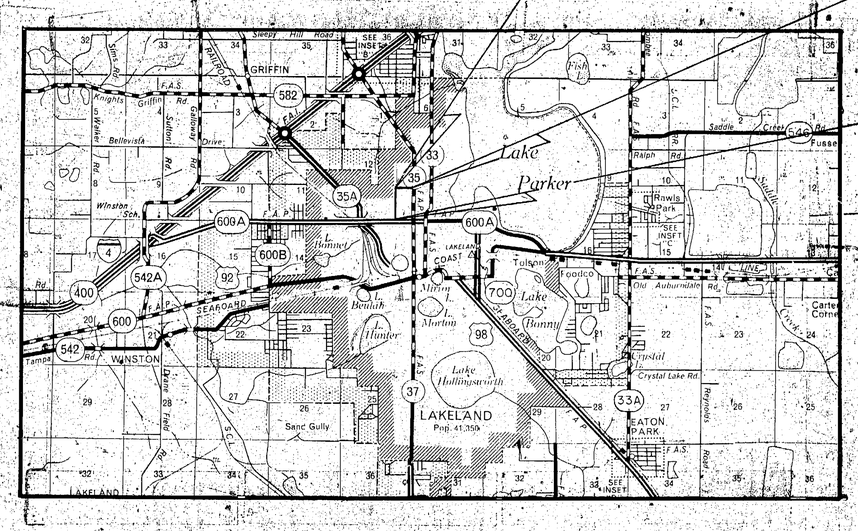


LOCATION OF PROJECT

EQUATION:
STA. 26+73.33 BK. =
STA. 0+00.00 AHD.

END PROJECT
STA. 13+04.50

BEGIN PROJECT
STA. 0-07.50



SCALE: 1 INCH = 1 MILE

CONVENTIONAL SIGNS

COUNTY LINE	TRAVELED WAY
TOWNSHIP LINE	CULVERTS
SECTION LINE	BRIDGES OVER 20 FT. SPAN
UNFENCED PROPERTY	POWER POLE
CITY LINE	TELEPHONE POLE
FENCE LINE (EXISTING)	MARSH
RIGHT OF WAY LINE	GROUND ELEV.
BASE OR SURVEY LINE	GRADE ELEV. +0.00%
RAILROADS	R. R. MILE POST
L.A. R/W LINE	PROPOSED FENCE

GOVERNING SPECIFICATIONS: STATE OF FLORIDA, STATE ROAD DEPARTMENT, STANDARD SPECIFICATIONS DATED 1966
APPROVED BY BUREAU OF PUBLIC ROADS – DATE

LENGTH OF PROJECT

	LIN. FT.	MILES
ROADWAY	3,985.33	0.754
BRIDGES	0.00	0.000
NET LENGTH OF PROJECT	3,985.33	0.754
EXCEPTIONS	0.00	0.000
GROSS LENGTH OF PROJECT	3,985.33	0.754

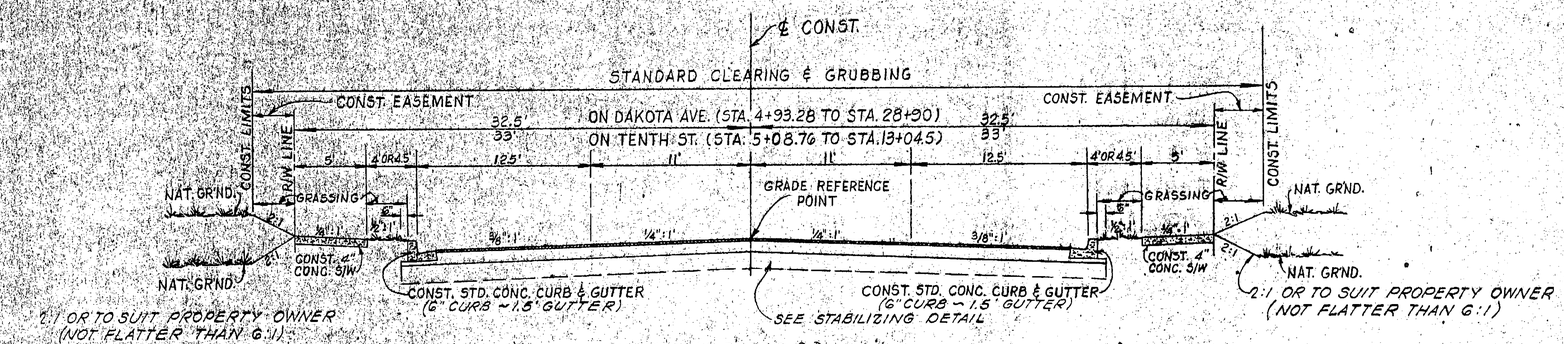
SUBMITTED BY

DIRECTOR OF ROAD OPERATIONS

ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

APPROVED [redacted] DATE

DIVISION ENGINEER
BUREAU OF PUBLIC ROADS

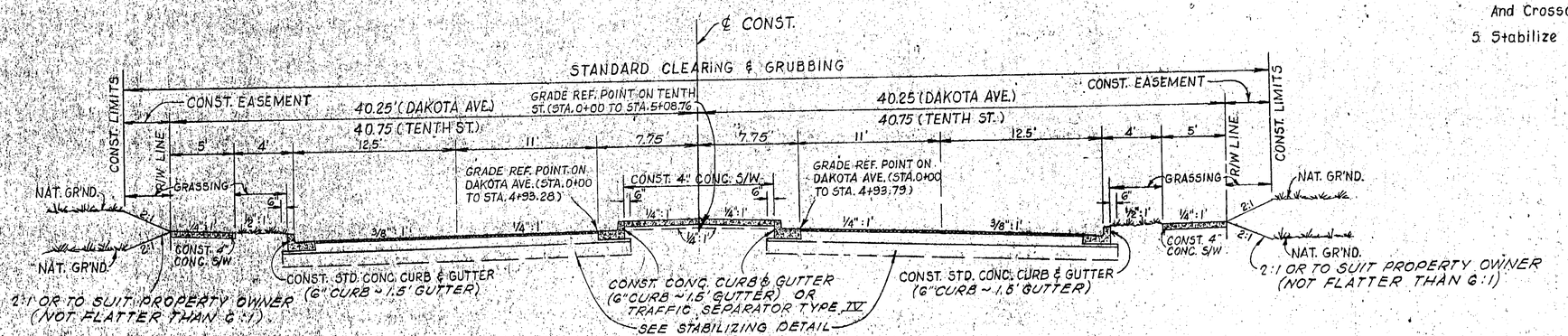


DESIGN SPEED 30 M.P.H.

TYPICAL ROADWAY SECTION NO. 1

ALT. { LIMEROCK BASE (8" THICK) DOUBLE COURSE, PRIMED
SAND-ASPHALT HOT MIX (8" THICK) 1200 L B S. STABILITY
TYPE I ASPHALTIC CONCRETE SURFACE COURSE (1" THICK) WITH BINDER COURSE (2" THICK)

FOR ADDITIONAL DETAILS SEE INDEX NOS. 1101, 1915, 5016 & 5080.



TYPICAL ROADWAY SECTION NO. 2

ALT. { LIMEROCK BASE (8" THICK) DOUBLE COURSE, PRIMED
SAND-ASPHALT HOT MIX (8" THICK) 1200 L B S. STABILITY
TYPE I ASPHALTIC CONCRETE SURFACE COURSE (1" THICK) WITH BINDER COURSE (2" THICK)

TRAFFIC
EST. 1972 ADT = 2,400
EST. 1982 ADT = 4,800
EST. 1992 ADT = 7,400
K = 12%
D = 53%
T = 9%

1. None Of The Existing Limerock Is To Be Used In The Construction Of The New Base.
2. All Of The Existing base Materials Within The Roadway Or Right Of Way Which Are Removed And Are Suitable For Stabilizing Shall Be Incorporated In The Portion Of The Roadbed To Be Stabilized.
3. Construct Armor Coat Over Finished Limerock Base Except Turnouts (Prime Turnouts)
4. For Limits Of Clearing, And Grubbing At Intersections And Stabilizing At Intersections And Crossovers See Index № 1101 And 5016.
5. Stabilize All Intersections To City Roads And Streets 12" Deep As Shown On Plans.

DETAIL OF STABILIZING REQUIREMENTS

PUBLIC WORKS DEPT. ENGINEERING DIV. — CITY OF LAKELAND, FLORIDA
DAKOTA AVE. - TENTH ST.
from MEMORIAL BLVD. to FLA. AVE.
DRAWN BY: SCALE: 1" = 1 INCH = 1 FEET
APPROVED BY: REF. L.B.No.
DATE: DWG. No. FILE No. 138

DIV. No.	STATE	PROJECT NO.	YEAR	SHEET NO.
3	FLA.	16003-3501	'70	

PROPOSED SANITARY SEWER SUMMARY OF QUANTITIES

ITEM NO.	ITEM	UNIT	QUANTITY
	Manholes	Each	7
	Adjusting Manholes	Each	4
	* Cast Iron Pipe (8")	Lin. Ft.	30
	* Vitrified Clay Pipe (4") (Service Connections)	Lin. Ft.	538 ~~45~~
	* Vitrified Clay Pipe (6") (Service Connections)	Lin. Ft.	120
	Vitrified Clay Pipe (8")	Lin. Ft.	~~1,547~~ 1,612.30

* Payment Includes Cost Of Connecting to V.C.P.
* Cost Of Transferring Service Included In Cost Of Pipe. ~~10' Of 6" V.C.P., Or 10' Of 4" V.C.P., Respectively Alloted For Each Sanitary Sewer Service Transferred.~~

BASIS OF ESTIMATE

Item No. 300-1-1 _____ 0.15 Gal./Sq. Yd.

SUMMARY OF QUANTITIES

	ITEM NO.	ITEM	UNIT	QUANTITY
	102-1	Maintenance Of Traffic	Lump Sum	1
	105-1	Calcium Chloride	Ton	
	110-1	Clearing And Grubbing	Lump Sum	1
	120-1	Removal Of Existing Pavement	Sq. Yd.	3,983
	135-1	Grading	Lump Sum	1
	160-3	Commercial Stabilizing Material	Cu. Yd.	
	160-40	Type "A" Stabilization (L.B.R.)	Sq. Yd.	
ALT. "A"	200-1-2	Limerock Base (8" Thick) (Double Course)	Sq. Yd.	
ALT. "A"	300-1-1	Bituminous Material (Prime Coat)	Gallon	
ALT. "A"	300-1-3	Bituminous Material (Tack Coat)	Gallon	
ALT. "A"	300-1-5	Bituminous Material (Plant Mix) (A.C. 60-70)	Gallon	
	331-2-15	Type I Asphaltic Concrete Surface Course (1" Thk.) With Binder Course (2" Thk.)	Sq. Yd.	
	331-4	Type I Asphaltic Concrete	Ton	
ALT. "B"	300-1-3	Bituminous Material (Tack Coat)	Gallon	
ALT. "B"	300-1-4	Bituminous Material (Plant Mix) (A.C. 85-100)	Gallon	
ALT. "B"	Alt. 335-1-82	Sand-Asphalt Hot Mix (8" Thick) (1200 Lbs. Stability)	Sq. Yd.	
	350-1-3	Plain Cement Concrete Pavement (8" Thick)	Sq. Yd.	380
	405-1	Class "N5" Concrete (Endwalls & Misc.)	Cu. Yd.	
	425-1-1	Inlets (Curb)	Each	41
	425-2	Manholes	Each	20
	425-4	Adjusting Inlets	Each	2
	430-1-22	Concrete Pipe Culvert (15" Storm Sewer)	Lin. Ft.	952
	430-1-23	Concrete Pipe Culvert (18" Storm Sewer)	Lin. Ft.	305
	430-1-24	Concrete Pipe Culvert (24" Storm Sewer)	Lin. Ft.	972
	430-1-25	Concrete Pipe Culvert (30" Storm Sewer)	Lin. Ft.	528
	430-1-26	Concrete Pipe Culvert (36" Storm Sewer)	Lin. Ft.	304
	430-1-27	Concrete Pipe Culvert (42" Storm Sewer)	Lin. Ft.	782
	430-1-28	Concrete Pipe Culvert (48" Storm Sewer)	Lin. Ft.	1,927
	430-1-29	Concrete Pipe Culvert (54" Storm Sewer)	Lin. Ft.	1,152
	430-1-31	Concrete Pipe Culvert (60" Storm Sewer)	Lin. Ft.	40
	440-1-2	Underdrains (6")	Lin. Ft.	500
	520-1-1	Concrete Curb And Gutter (6" Curb, 1.5' Gutter)	Lin. Ft.	9,727
	520-2-1	Concrete Curb (Type "A")	Lin. Ft.	101
	520-2-9	Concrete Curb (Special) (6" x 16")	Lin. Ft.	384
	520-5-41	Concrete Traffic Separator (Type IV) (4' Wide)	Lin. Ft.	104
	522-1	Concrete Sidewalk, 4" Thick	Sq. Yd.	4,100
	522-2	Concrete Sidewalk, 6" Thick	Sq. Yd.	600
	570-4	Fertilizer	Ton	0.3
	570-40	Grassing	Sq. Yd.	3,300
	570-42	Grass Seed	Lbs.	41
	575-1	Sodding	Sq. Yd.	200

Item No. 120-1---Consists Of Approx. 35 S.Y. Conc. Pavement, 527 S.Y. 6" Conc. Curb, 2975 S.Y. Conc. Sidewalk. 320 S.Y. Conc. Driveways, 78 S.Y. Conc. Curb & Gutter, 48 S.Y. Conc. Valley Gutter.

Item No. 135-1---Includes Removal And Stockpiling Of Exist. Brick Pav't. For Disposal By City Forces.

Item No. 331-4---Is A Contingent Item For Adjustment Of Connections To Existing Drives, Streets, Etc., If Necessary, As Directed By The Engineer.

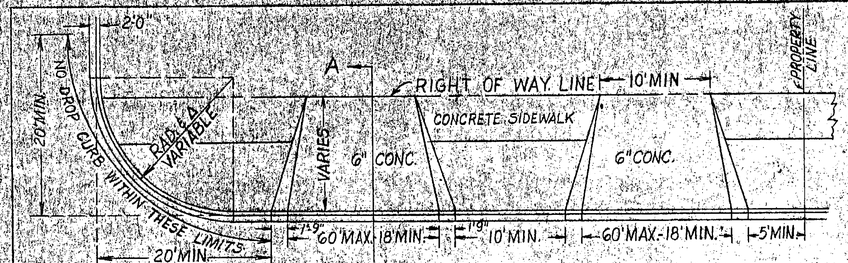
Item No. 405-1---Includes 5 C.Y. For Miscellaneous Construction, If Necessary, As Directed By The Engineer.

Item No. 440-1-2--Is A Contingent Item. To Be Constructed, If Necessary, As Directed By The Engineer.

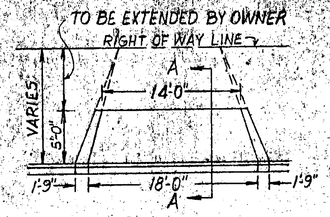
Item No. 520-2-9--Is For Connections To Exist. Streets And Header Curb For Un-paved Streets.

Item No. 575-1---Is A Contingent Item. To Be Constructed, If Necessary, As Directed By The Engineer.

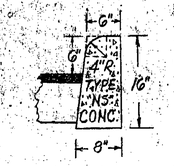
		16003-350	70	4	



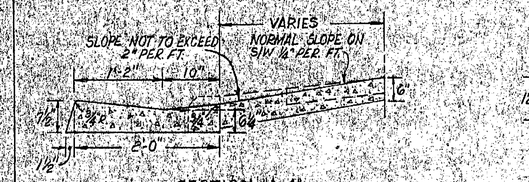
DRIVEWAY PLAN



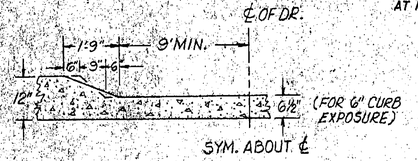
DRIVEWAY PLAN
(WHERE DIRT DRIVES EXIST OR WHERE PAVED DRIVEWAY TERMINATES AT R/W LINE OR ON P/L)



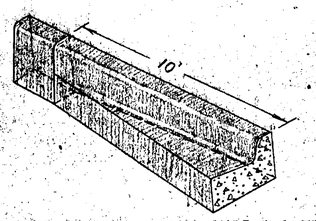
STANDARD CURB DETAIL



SECTION "A-A"



CURB HEIGHT TRANS. DETAIL

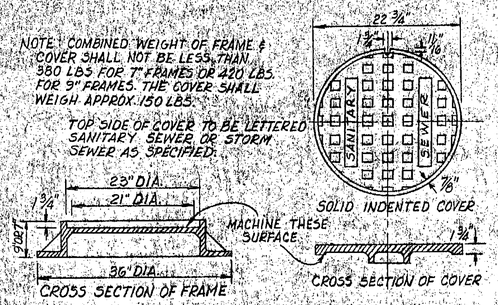


DETAIL OF TRANS. FROM CURB & GUTTER TO STD. CURB

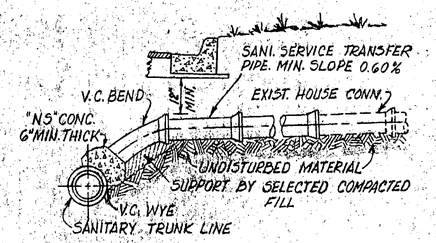
GENERAL NOTES

1. All Elevations Are On U.S.C. & G.S. Datum.
2. Location And Elev. Of Telephone Cables, Water Pipes, & Gas Lines Are Approx. Engineer Will Determine All Necessary Information Relative To Construction After Clearing & Grubbing Operations. The Contractor Will Use Due Caution In His Operations Until Actual Locations Of Underground Utilities Are Known And Necessary Adjustments Are Made By The Utility Owners.
3. Utility Owners: Telephone - General Telephone Co.
   Gas - Florida Gas Co.
   Electric, Water, & Sewer - City Of Lakeland
4. Driveways Are To Be Const. According To City Of Lakeland Ordinance Nº 1450 (To Be Furnished By City) And Details On This Sheet.
   D.O.T. Index Nº 501G To Be Used For Details Other Than Turnout Construction.
5. All Trees And Shrubs Within The R/W Are To Be Removed Unless Indicated To Remain On The Plans Or By The Engineer. Individual Property Owners Will Be Given The Option Of Resetting Existing Trees Or Shrubbery Which Are To Be Removed That Lie Within The R/W Along Their Frontage. If They Elect Not To Do So, Such Trees And Shrubbery Will Become The Property Of The Contractor.
6. All Existing Drainage Structures Lying Within The Limits Of The R/W And Or Construction Limits Shall Be Removed Unless Indicated On The Plans, Or By The Engineer, To Remain.
7. Stationing Of Side Street Centerlines And Property Lines Refer To The Centerline Of Survey.
8. All Sanitary Sewer House Services To Be Transferred. In The Event The House Has Been Removed The Service Is To Be Extended To The Right-Of-Way Line And Capped.

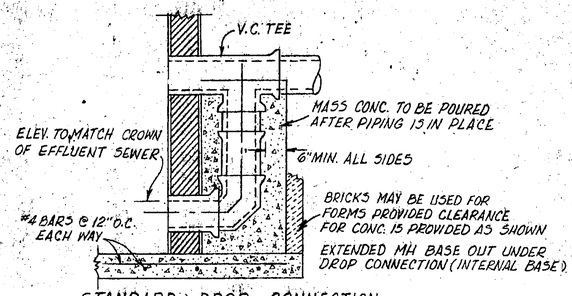
NOTE: COMBINED WEIGHT OF FRAME & COVER SHALL NOT BE LESS THAN 380 LBS FOR 7" FRAMES OR 420 LBS. FOR 9" FRAMES. THE COVER SHALL WEIGH APPROX. 150 LBS.



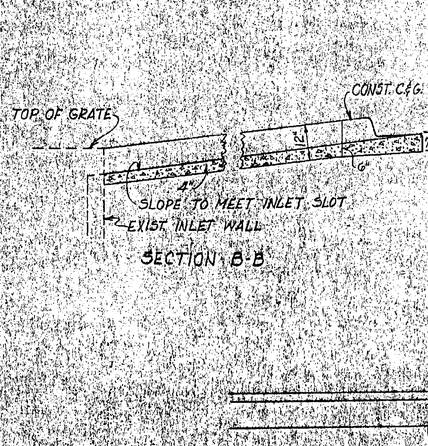
STANDARD FRAME & COVER DETAIL
(FOR ALL SANITARY SEWER & STORM SEWER MANHOLES)



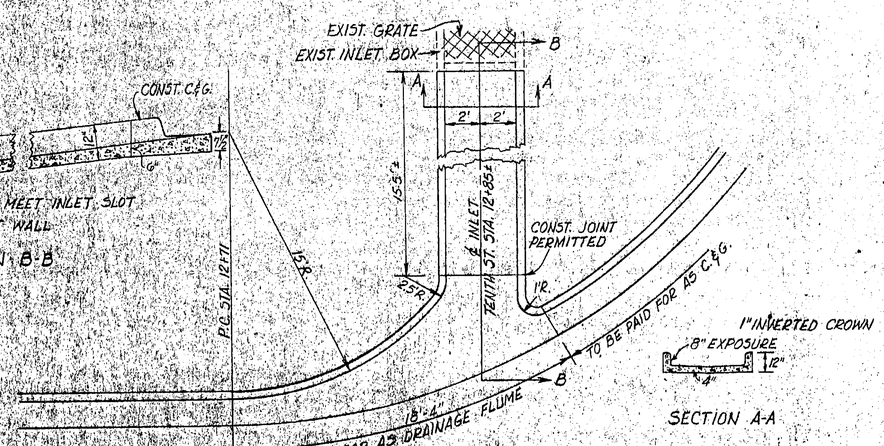
STD. SANI. HOUSE SERVICE TRANSFER DETAIL



STANDARD DROP CONNECTION
FOR SANITARY MANHOLES

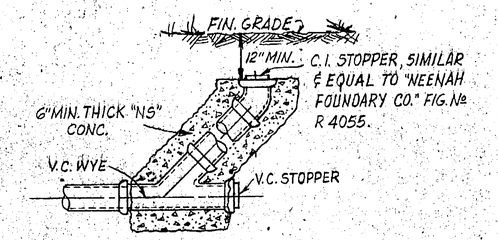


SECTION B-B



DETAIL OF MODIFIED DRAINAGE FLUME (TENTH ST. STA. 12+84)
PAYMENT UNDER ITEM Nº 405-1

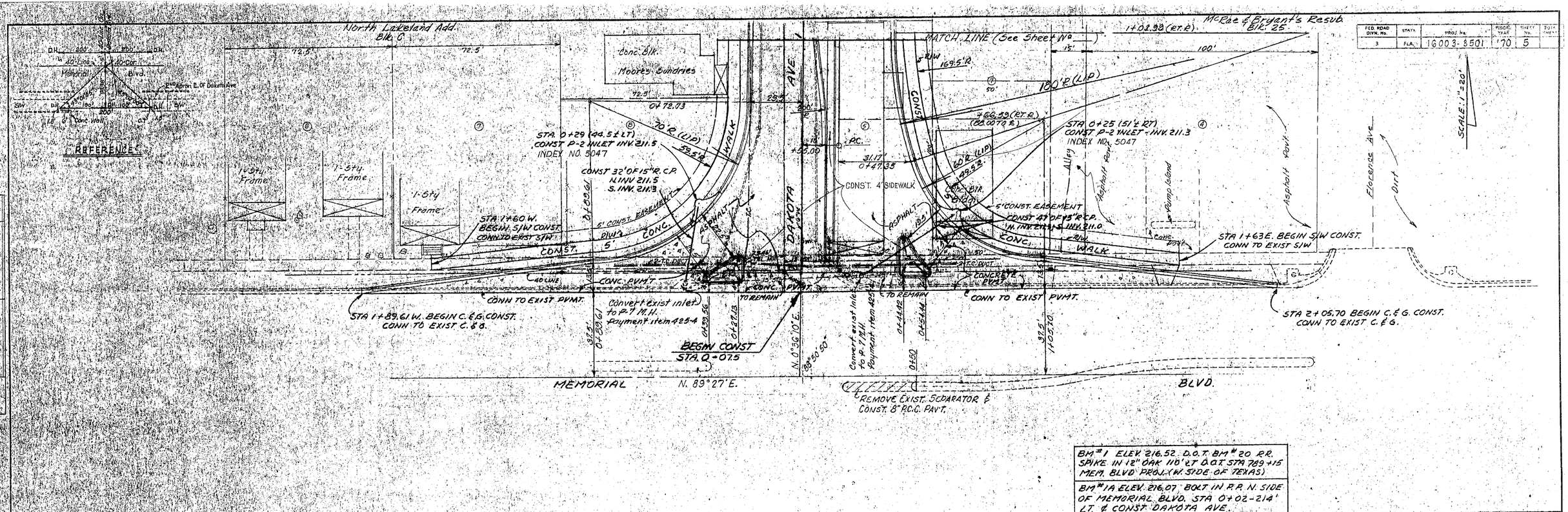
SECTION A-A



SANI-SEWER CLEAN OUT

PUBLIC WORKS DEPT. CITY OF LAKELAND
ENGINEERING DIV. FLORIDA
DAKOTA AVE. x TENTH ST.
(w/o MEMORIAL BLVD. to 01/4/...)
DRAWN BY: ..... SCALE: 1"= ..... HOR. 1"=
APPROVED BY: ..... REF. LINE: .....
DATE: ..... DWG. No. 2 of ..... FILE No. 438

FED. ROAD DIVN. No.	STATE	PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
3	FLA.	16003-3501	'70	5	

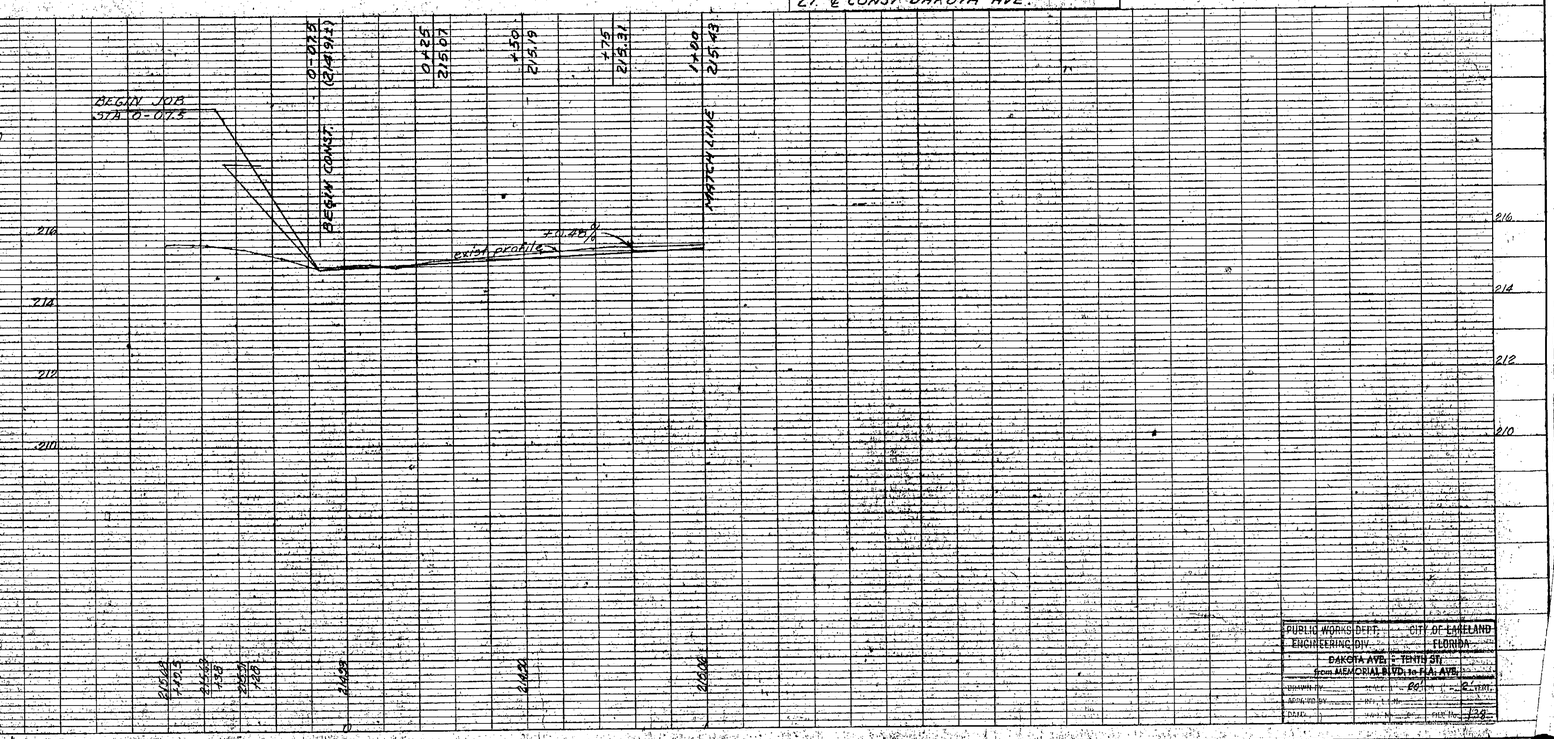


BM #1 ELEV. 216.52 D.O.T. BM #20 R.R. SPIKE IN 12" OAK 110' LT D.O.T. STA 789+15 MEM. BLVD PROJ. (W. SIDE OF TEXAS)

BM #1A ELEV. 216.07 BOLT IN P.P. N. SIDE OF MEMORIAL BLVD. STA 0+02-214' LT. ℄ CONST. DAKOTA AVE.

GENERAL NOTES

1. DATUM IS U.S.C. & G.S.
2. GRADES SHOWN ARE FINISHED GRADE.
3. BUILDINGS TO BE MOVED BY OTHERS.
4. UTILITIES TO BE ADJUSTED BY OTHERS AS DIRECTED BY THE ENGINEER.
5. LIMITS OF SIDEWALK REPLACEMENT AS SHOWN ON PLANS IS APPROXIMATE. SIDEWALK IS TO BE REPLACED AS DIRECTED BY THE ENGINEER.
6. ALL PORTIONS OF THE ABANDONED STORM SEWER PIPE LEFT IN PLACE MUST BE PLUGGED IN ACCORDANCE WITH INDEX No. 5001.
7. ATTENTION IS DIRECTED TO THE FACT THAT PORTIONS OF SOME DRAINAGE STRUCTURES MAY EXTEND INTO THE STABILIZED PORTION OF THE ROADBED AND EXTREME CAUTION WILL BE NECESSARY IN THE STABILIZING OPERATIONS AT THESE LOCATIONS.



PUBLIC WORKS DEPT. CITY OF LAKELAND
ENGINEERING DIV. FLORIDA
DAKOTA AVE. - TENTH ST.
from MEMORIAL BLVD. to FLA. AVE.

PLATE 1. PLAN-PROFILE

FED. ROAD DIVN. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	FLA.	0003-3501	70	6	

NORTH LAKELAND ADD.
BLK. C

NORTH LAKELAND ADD.
BLK. B

EQUATION:
P.T. STA. 4+83.79 BK. (RT. P.) =
STA. 4+83.28 AHD. ON ℄ CONST.

SCALE: 1"=20'

REFERENCES

BM #1 ELEV 216.52 D.O.T. BM #30 RR SPIKE IN 18" OAK W'B LT D.O.T. STA. 785+K VIEW BLVD. PROX. N. SIDE OF TRACK

BM #4 ELEV 216.07 BOLT IN B.P.N. SIDE OF MEMORIAL BLVD. STA. 0+03 214' LT ℄ CONST. DAKOTA AVE.

CURVE #1 DATA:
Δ = 4° 44' 38.08"
D = 2° 00' 00"
R = 2864.79'
LC = 237.08'
ARC = 237.13'
T = 118.63'
PC STA 0+55
PRC STA 2+92.13

CURVE #2 DATA:
Δ = 4° 02' 00.08"
D = 2° 00' 00"
R = 2864.79'
LC = 201.83
ARC = 201.66
T = 100.88
PRC STA 2+92.13
PT STA 4+93.79

STA. 2+40 (LT.)
CONST. P-4 INLET
INV. 211.5
INDEX NO. 5047

STA. 3+60 (33' RT.)
CONST. P-6 INLET
INV. N. 211.0 ; W. 211.2
STA. 4+99 (50' RT.)
CONST P-4 INLET INV. S. 211.2
INDEX NO. 5047

MATCH LINE

RESUB. OF McRAE & BRYANTS 2ND ADD
BLK. 25

FRANK H. THOMPSONS RESUB. OF McRAE & BRYANTS 2ND ADD
BLK. 16

PROFILE

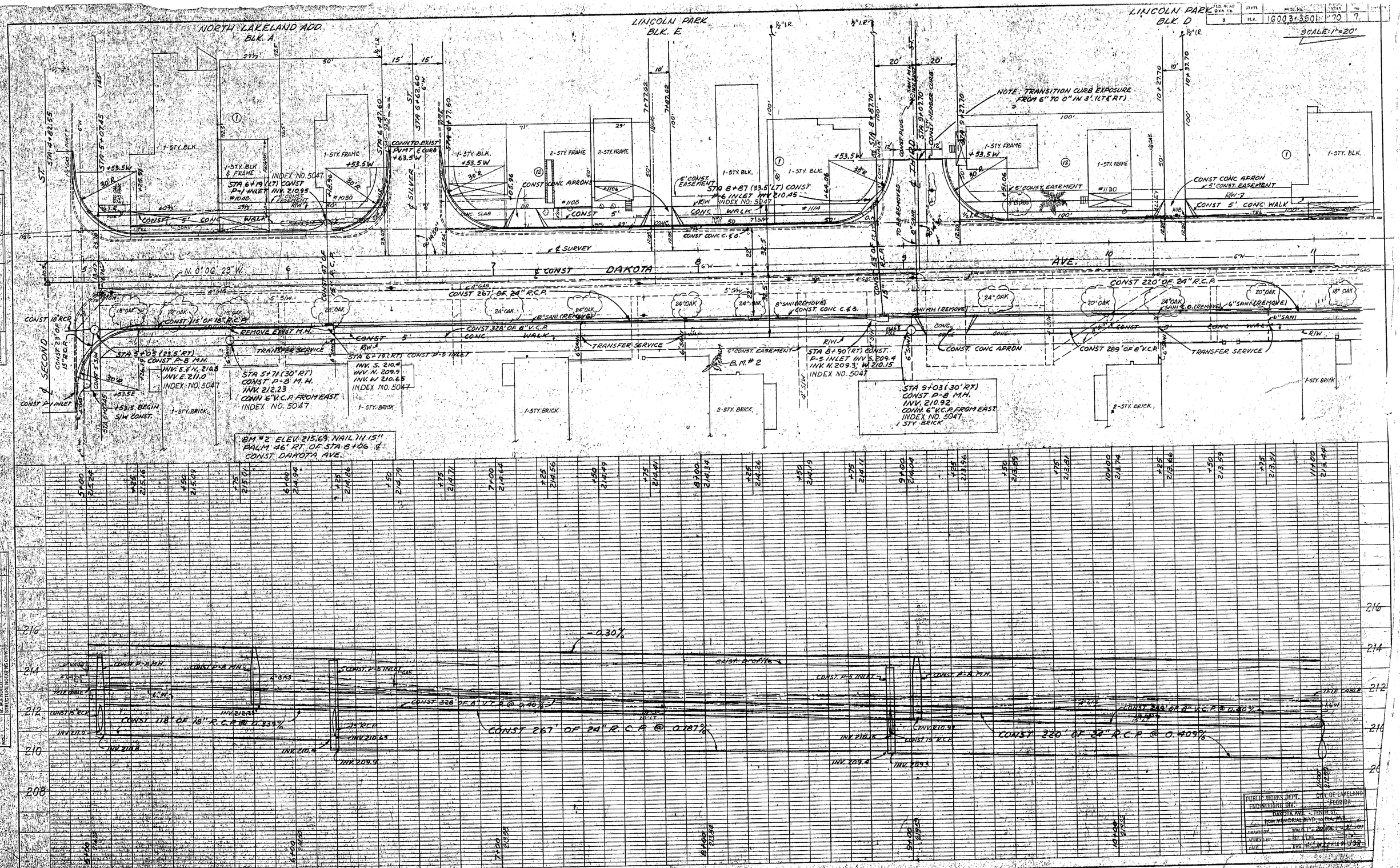
EXIST. PROFILE

100' V.C.

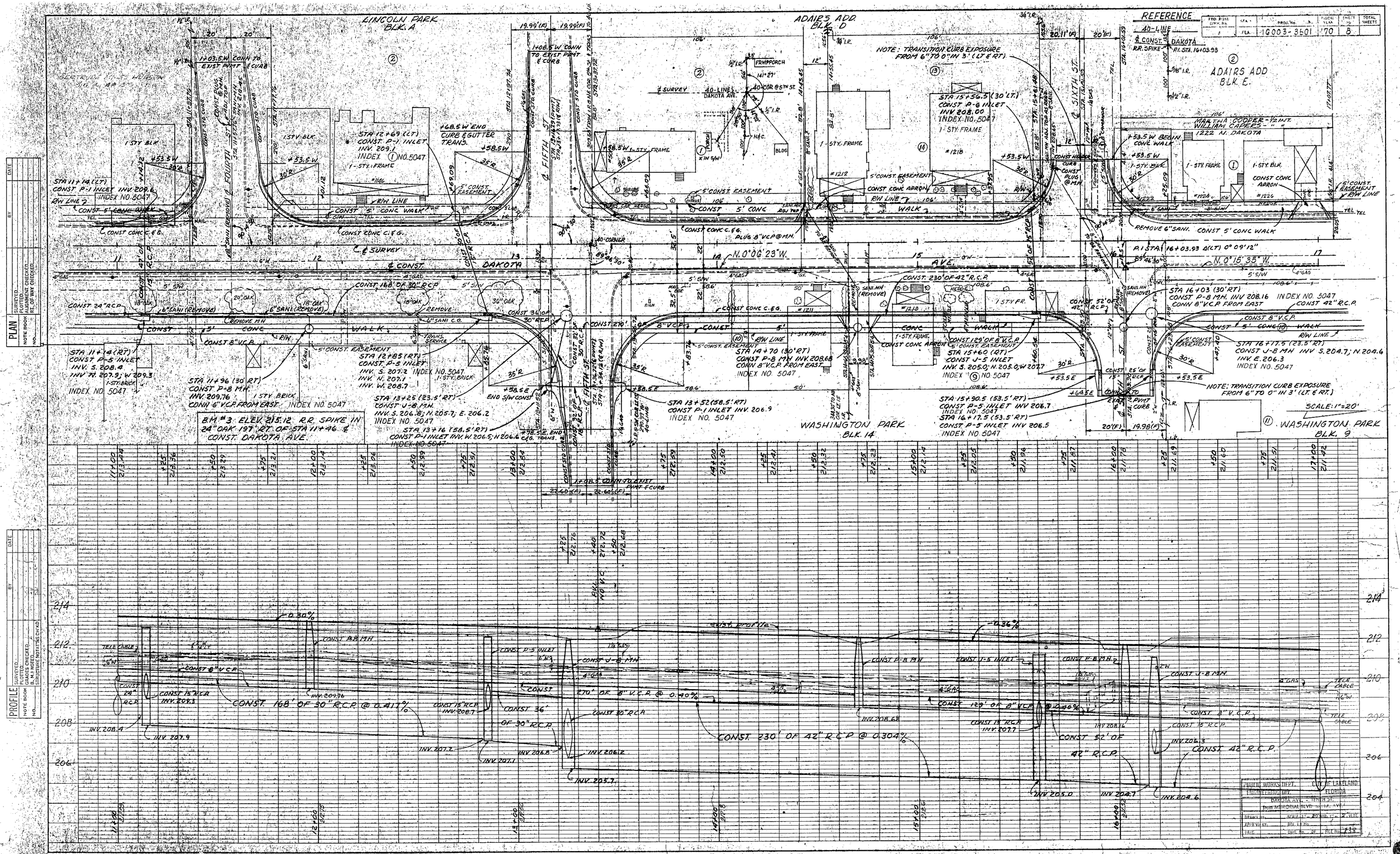
CONST 15" RCP
INV. 211.7

CONST 42' OF 18" RCP
INV. 211.0

K+E PLATE 11 PLAN-PROFILE
KEUFFEL & ESSER CO.



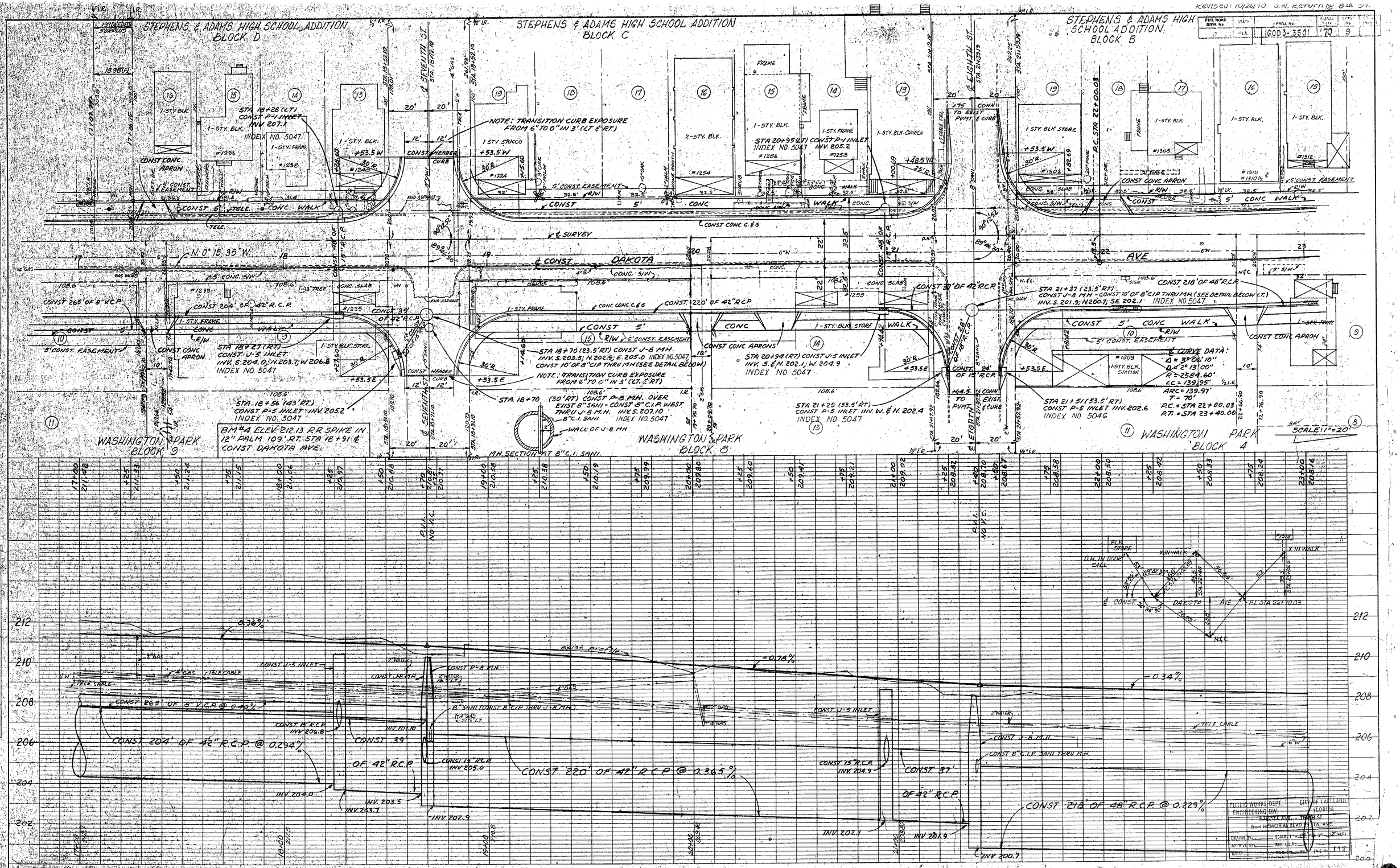
NORTH LAKELAND ADD. BLK. A
LINCOLN PARK BLK. E
LINCOLN PARK BLK. D
SCALE: 1"=20'
NOTE: TRANSITION CURB EXPOSURE FROM 6" TO 0" IN 3' (LT & RT)
DAKOTA AVE.
℄ SURVEY
N. 0°06'23" W.
CONST 267' OF 24" R.C.P.
CONST 220' OF 24" R.C.P.
CONST 115' OF 18" R.C.P.
CONST 328' OF 8" V.C.P.
CONST 289' OF 8" V.C.P.
REMOVE EXIST M.H.
TRANSFER SERVICE
CONST. CONC APRON
CONST 5' CONC WALK
STA 5+71 (30' RT) CONST P-8 M.H. INV. 212.23 CONN 6" V.C.P. FROM EAST INDEX NO. 5047
STA 9+03 (30' RT) CONST P-8 M.H. INV. 210.92 CONN 6" V.C.P. FROM EAST INDEX NO. 5047
BM #2 ELEV. 215.69 NAIL IN 15" PALM 46' RT. OF STA 8+06 ℄ CONST. DAKOTA AVE.
-0.30%
exist. profile
CONST 118' OF 18" R.C.P. @ 0.339%
CONST 267' OF 24" R.C.P. @ 0.187%
CONST 220' OF 24" R.C.P. @ 0.409%
PUBLIC WORKS DEPT. ENGINEERING DIV.
CITY OF LAKELAND FLORIDA
DAKOTA AVE. - TENTH ST.
NOW MEMORIAL BLVD. to FLA. AVE.
PLATE 1: PLAN-PROFILE

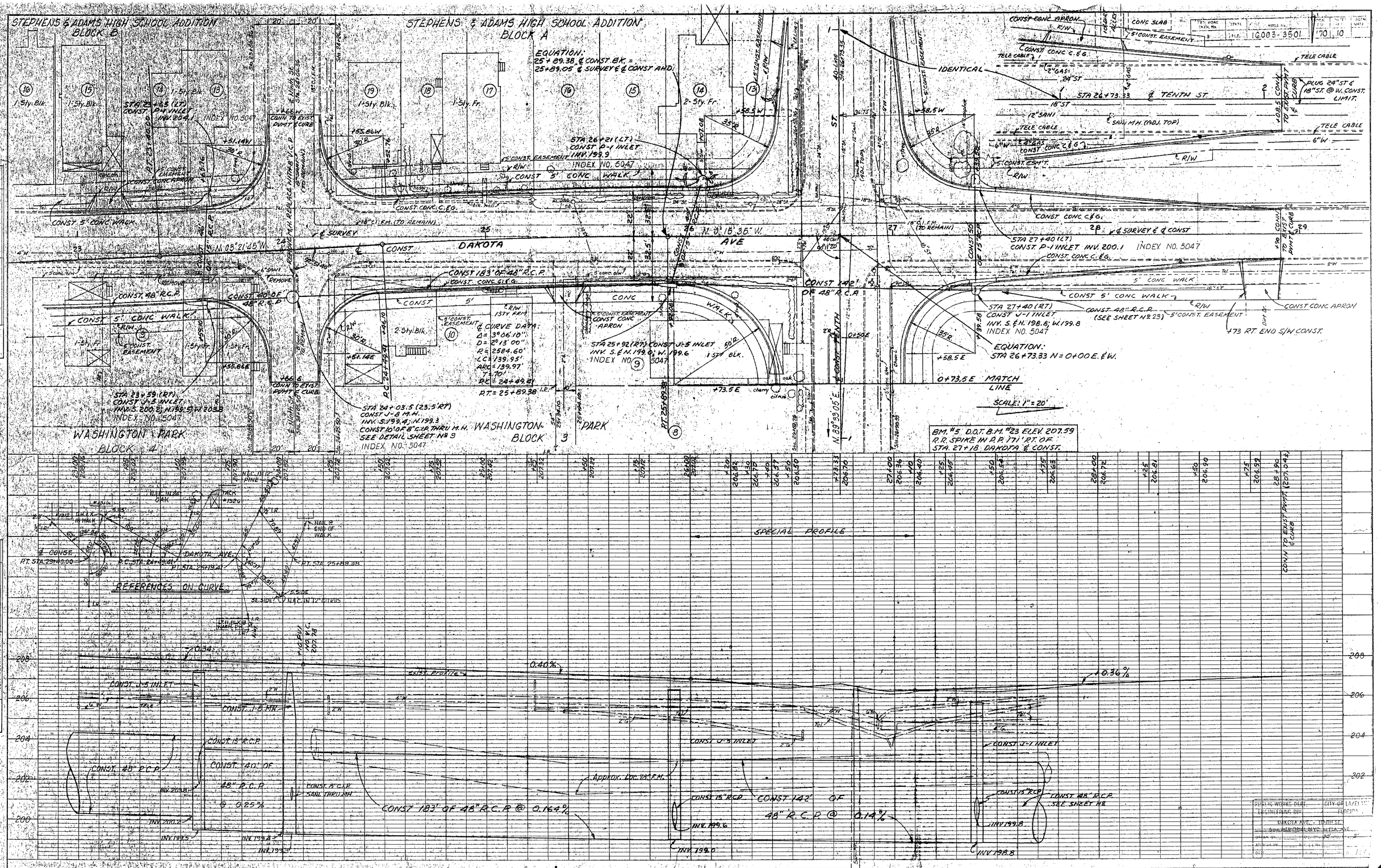


REFERENCE
40-LINE
℄ CONST. DAKOTA
R.R. SPIKE
P.I. STA. 16+03.93
PROJ. No. 16003-3601
FISCAL YEAR 70
SHEET No. 8
TOTAL SHEETS
LINCOLN PARK BLK. A
ADAIRS ADD BLK. D
ADAIRS ADD BLK. E.
WASHINGTON PARK BLK. 14
WASHINGTON PARK BLK. 9
℄ FOURTH ST.
℄ FIFTH ST.
℄ SIXTH ST.
℄ CONST. DAKOTA AVE.
N. 0°06'23" W.
N. 0°15'35" W.
NOTE: TRANSITION CURB EXPOSURE FROM 6" TO 0" IN 3' (LT & RT)
STA 11+14 (LT) CONST P-1 INLET INV. 209.6 INDEX NO. 5047
STA 12+69 (LT) CONST. P-1 INLET INV. 209.1 INDEX NO. 5047
STA 15+56.5 (30' LT.) CONST P-6 INLET INV 208.00 INDEX NO. 5047
STA 11+14 (RT) CONST P-5 INLET INV. S. 208.4 INV N. 207.9; W 209.3 INDEX NO. 5047
STA 11+96 (30' RT) CONST P-8 MH INV. 209.76 CONN 6" V.C.P. FROM EAST INDEX NO. 5047
STA 12+85 (RT) CONST. P-5 INLET INV. S. 207.2 INDEX NO. 5047 INV. N. 207.1 INV. W. 208.7
STA 13+25 (23.5' RT) CONST J-8 MH INV. S. 206.8; N. 205.7; E. 206.2 INDEX NO. 5047
STA 13+16 (58.5' RT) CONST P-1 INLET INV. W. 206.5; N 206.6 INDEX NO. 5047
STA 13+52 (58.5' RT) CONST P-1 INLET INV. 206.9 INDEX NO. 5047
STA 14+70 (30' RT) CONST P-8 MH INV. 208.68 CONN 8" V.C.P. FROM EAST INDEX NO. 5047
STA 15+60 (RT) CONST J-5 INLET INV. S. 205.0; N. 205.0; W 207.7 INDEX NO. 5047
STA 15+90.5 (53.5' RT) CONST P-5 INLET INV 206.7 INDEX NO. 5047
STA 16+17.5 (53.5' RT) CONST P-5 INLET INV 206.5 INDEX NO. 5047
STA 16+03 (30' RT) CONST P-8 MH. INV 208.16 CONN 8" V.C.P. FROM EAST INDEX NO. 5047
STA 16+17.5 (23.5' RT) CONST J-8 MH INV S. 204.7; N. 204.6 INV. E. 206.3 INDEX NO. 5047
B.M. #3 ELEV. 215.12 R.R. SPIKE IN 24" OAK 197' RT. OF STA 11+46 ℄ CONST. DAKOTA AVE.
SCALE: 1"=20'
CONST. 168' OF 30" R.C.P. @ 0.417%
CONST. 270' OF 8" V.C.P. @ 0.40%
CONST. 36' OF 30" R.C.P.
CONST. 230' OF 42" R.C.P. @ 0.304%
CONST. 129' OF 8" V.C.P. @ 0.40%
CONST. 52' OF 42" R.C.P.
CONST. 42" R.C.P.
-0.30%
-0.36%
exist. profile
PUBLIC WORKS DEPT. ENGINEERING DIV.
CITY OF LAKELAND FLORIDA
DAKOTA AVE. - TENTH ST.
from MEMORIAL BLVD. to 1A. AVE.
PLATE 1, PLAN-PROFILE
KEUFFEL & ESSER CO.

Revised: 10/26/70 S.W. Return @ 8th St.

FED. ROAD DIVN. No.	STATE	PROJ. No.	SHEET No.	TOTAL SHEETS
		16003-3501	70	9





STEPHENS & ADAMS HIGH SCHOOL ADDITION
BLOCK B
STEPHENS & ADAMS HIGH SCHOOL ADDITION
BLOCK A
EQUATION:
25+89.38 ℄ CONST. BK. =
25+89.05 ℄ SURVEY & ℄ CONST. AHD.
IDENTICAL
STA 26+73.33 ℄ TENTH ST.
STA 26+21 (LT)
CONST P-1 INLET
INV. 199.9
INDEX NO. 5047
CONST 5' CONC WALK
CONST CONC C.&G.
℄ SURVEY
DAKOTA AVE
N. 0°15'35" W.
N. 03°21'45" W.
STA 27+40 (LT)
CONST. P-1 INLET INV. 200.1
INDEX NO. 5047
CONST 183' OF 48" R.C.P.
CONST 142' OF 48" R.C.P.
CONST 48" R.C.P.
CONST 40' OF 48" R.C.P.
℄ CURVE DATA:
Δ = 3°06'10"
D = 2°13'00"
R = 2584.60'
LC = 139.95'
ARC = 139.97'
T = 70'
P.C. = 24+49.41
P.T. = 25+89.38
STA 25+92 (RT) CONST J-5 INLET
INV. S.&N. 199.0; W. 199.6
INDEX NO. 5047
STA 27+40 (RT)
CONST J-1 INLET
INV. S.&N. 198.8; W. 199.8
INDEX NO. 5047
CONST 48" R.C.P.
(SEE SHEET No 23)
EQUATION:
STA 26+73.33 N = 0+00 E. & W.
0+73.5 E MATCH LINE
SCALE: 1" = 20'
STA 23+59 (RT)
CONST J-5 INLET
INV. S. 200.2; N. 199.5; W. 203.8
INDEX NO. 5047
STA 24+03.5 (23.5' RT)
CONST J-8 M.H.
INV. S. 199.4; N. 199.3
CONST 10' OF 8" C.I.P. THRU M.H.
SEE DETAIL SHEET No 9
INDEX NO. 5047
WASHINGTON PARK
BLOCK 4
WASHINGTON PARK
BLOCK 3
BM. #5 D.O.T. B.M. #23 ELEV. 207.59
R.R. SPIKE IN P.P. 171' RT. OF
STA. 27+18 DAKOTA ℄ CONST.
SPECIAL PROFILE
REFERENCES ON CURVE
DAKOTA AVE.
CONST J-5 INLET
CONST J-8 MH.
CONST 15" R.C.P.
CONST 48" R.C.P.
CONST 40' OF 48" R.C.P. @ 0.25%
CONST 8" C.I.P. SANI. THRU MH.
CONST 183' OF 48" R.C.P. @ 0.164%
CONST 142' OF 48" R.C.P. @ 0.14%
CONST J-5 INLET
CONST J-1 INLET
CONST 15" R.C.P.
CONST 48" R.C.P. SEE SHEET No
0.40%
0.36%
Approx. Loc. 18" F.M.
PUBLIC WORKS DEPT.
ENGINEERING DIV.
CITY OF LAKELAND
FLORIDA
DAKOTA AVE. - TENTH ST.
NEW MEMORIAL BLVD. - DAKOTA AVE.
PLAN
PROFILE
K+E PLATE 1 PLAN-PROFILE
KEUFFEL & ESSER CO.

FED. ROAD DIVN. No.	STATE	PROJ. No.	SHEET No.	TOTAL SHEETS
3	FLA.	0003-3501	70	11

SCALE: 1" = 20'

CURVE DATA:
Δ = 2° 58' 49.4"
D = 2° 00' 00"
R = 2865'
T = 74.33'
Arc = 149.03'
LC = 149.01'
PC STA. 2+10.85
PT STA 5+08.76

EQUATION
STA. 26+73.33 N = 0+00 E & W

STA. 4+75 (LT)
CONST P-1 INLET
INV. 200.40
INDEX NO. 5047

STA. 4+82.7 (RT)
CONST P-1 INLET
INV. E. 199.40
INV. N. 200.20
INDEX NO. 5047

WASHINGTON PARK BLOCK-3

BM #5 D.O.T. BM #23 ELEV. 207.59
R.R. SPIKE IN A.P. 171' RT OF
STA. 27+18 DAKOTA & CONST.

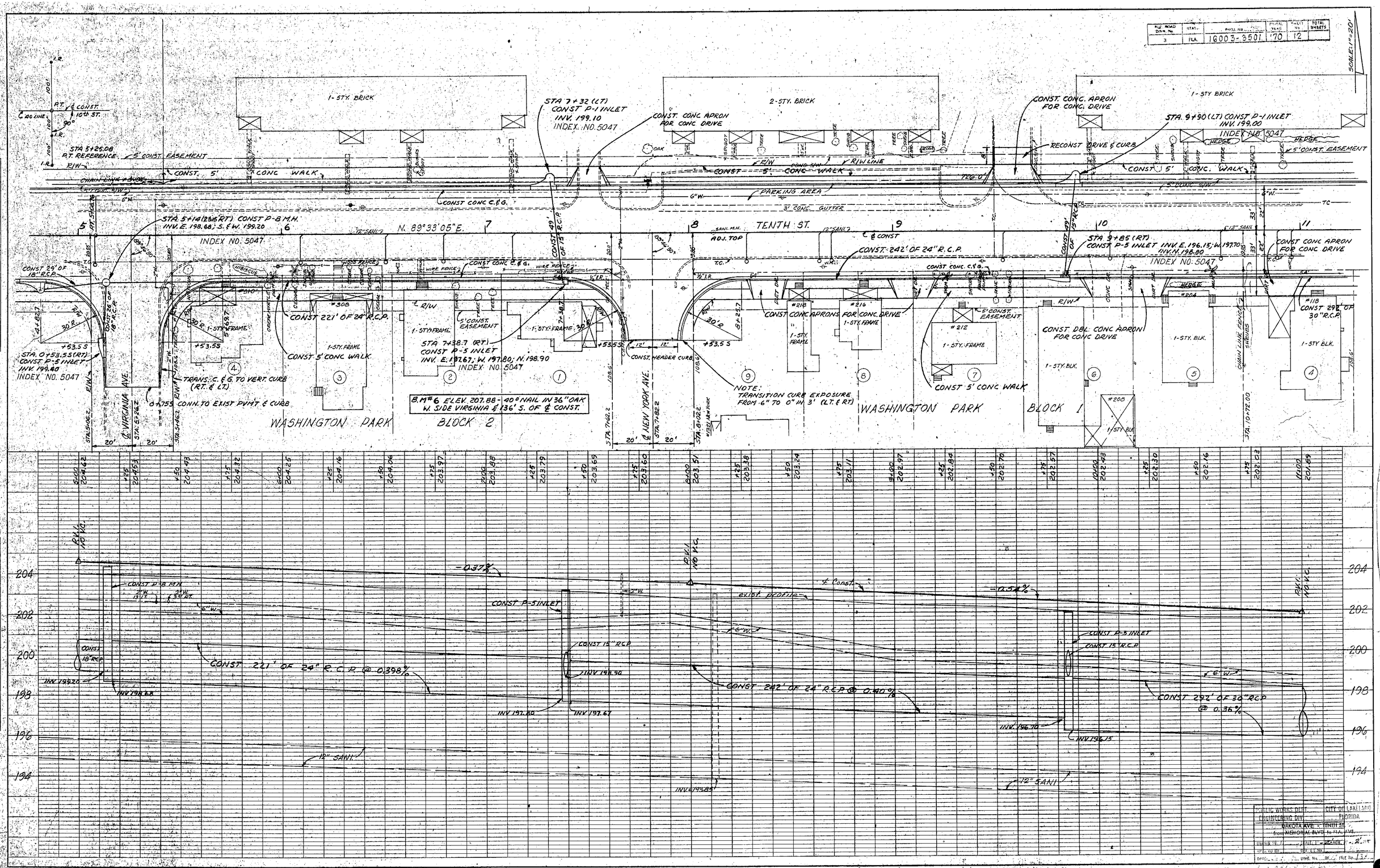
SPECIAL PROFILE
SEE SHEET NO

PUBLIC WORKS DEPT. ENGINEERING DIV.
CITY OF LAKELAND FLORIDA
DAKOTA AVE. - TENTH ST.
FROM MEMORIAL BLVD. to FLA. AVE.
SCALE 1" = 20' HORIZ. 2" = 1' VERT.
DWN. BY: R.P. CHK. BY: R.P. FILE No. 132

PLATE 1, PLAN-PROFILE
KEUFFEL & ESSER CO.

RIGHT OF WAY MAP DIV'N. No.	STAT.	PROJ. NO.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
3	FLA.	16003-3501	'70	12	

SCALE: 1" = 20'

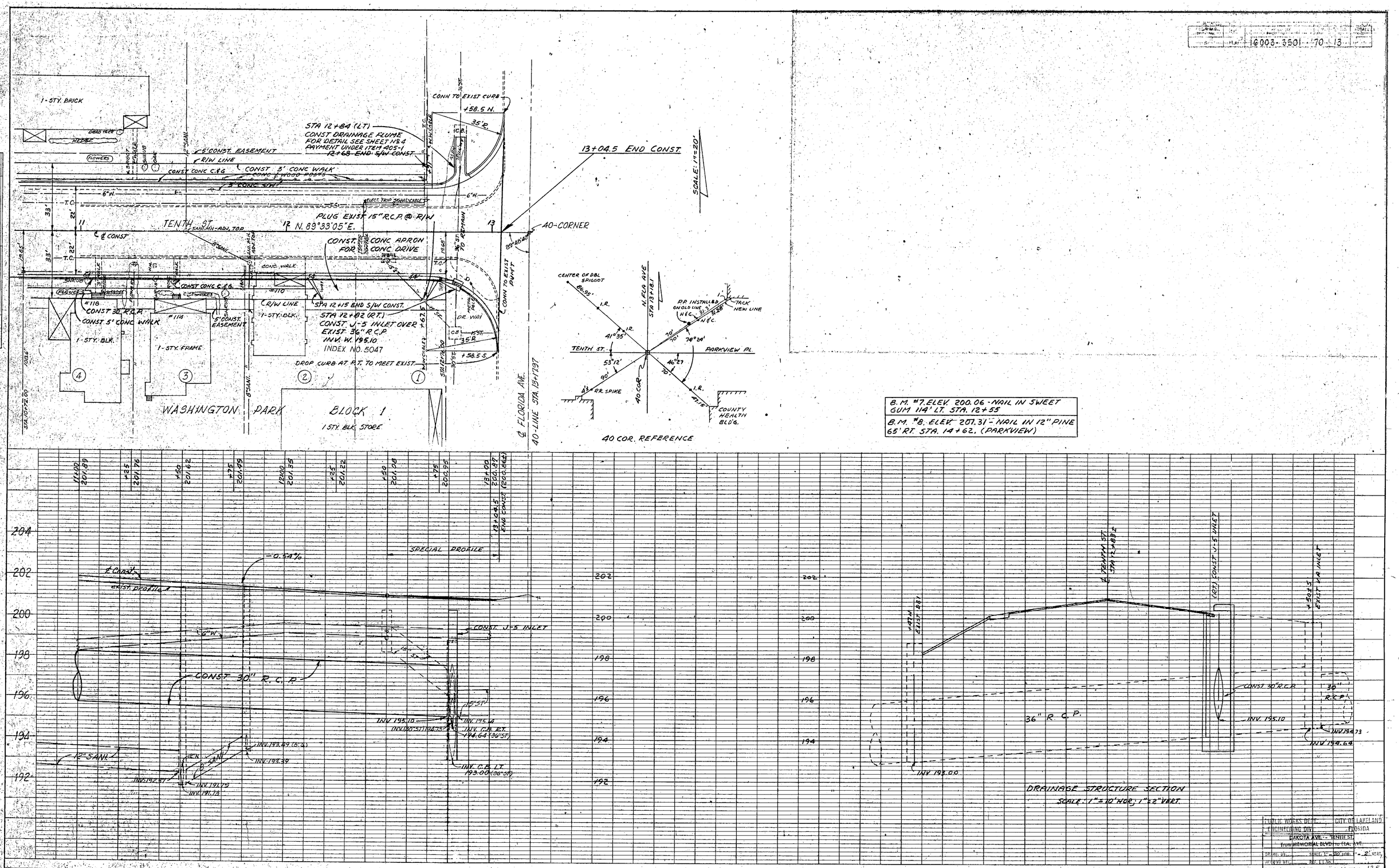


PLAN — SURVEYED, PLOTTED, DRAWN, CHECKED, R/W, STRUCTURE CHECKED, NOTE BOOK, NO.

PROFILE — SURVEYED, PLOTTED, DRAWN, CHECKED, B.M. NOTED, STRUCTURE NOTAT'NS CHKD.

K+E PLATE 1, PLAN-PROFILE — KEUFFEL & ESSER CO.

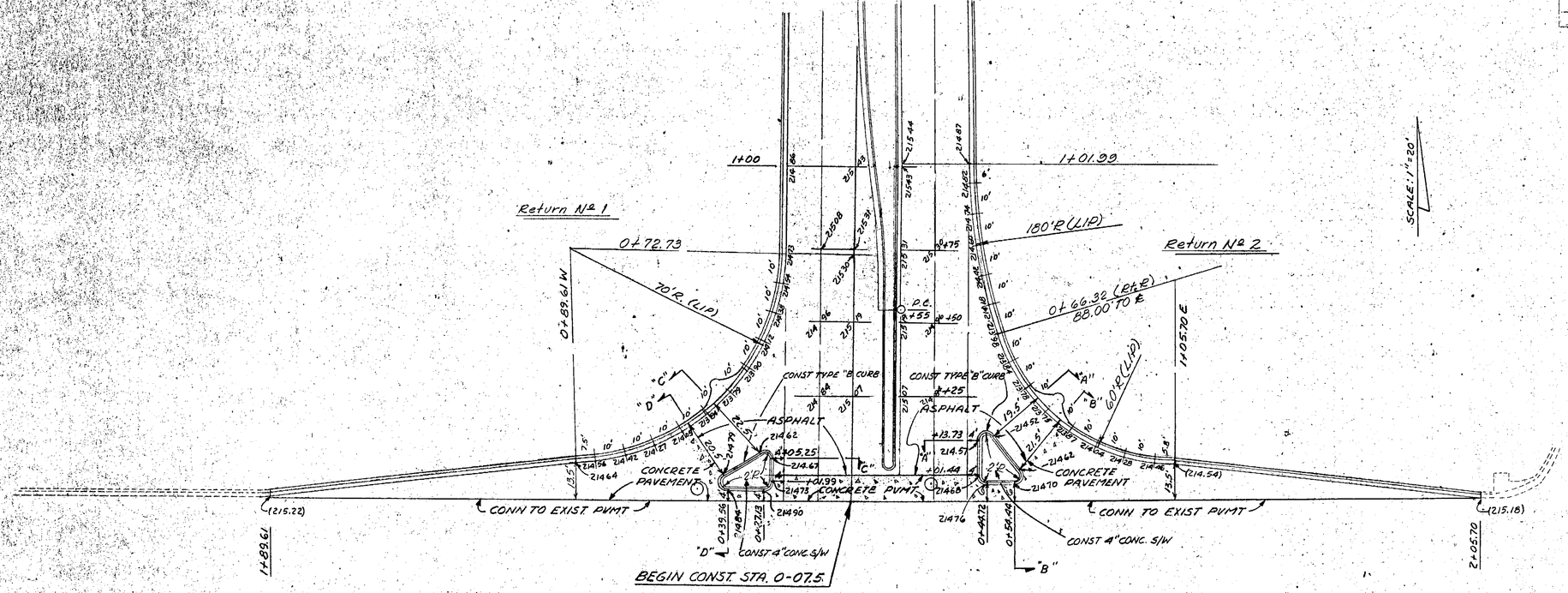
16003-3501-70-13



PUBLIC WORKS DEPT. CITY OF LAKELAND
ENGINEERING DIV. FLORIDA
DAKOTA AVE. - TENTH ST.
from MEMORIAL BLVD to ELA. AVE.
DR. WL. BY: SCALE: 1" = 20' HOR. 1" = 2' VERT.
APPR'D BY: REF. L.L. No.
DATE: DWG. No. OF FILE No. 13.8

K+E PLATE 1, PLAN-PROFILE
KEUFFEL & ESSER CO.

FED. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	FLA.	10003-3501	'70 14	

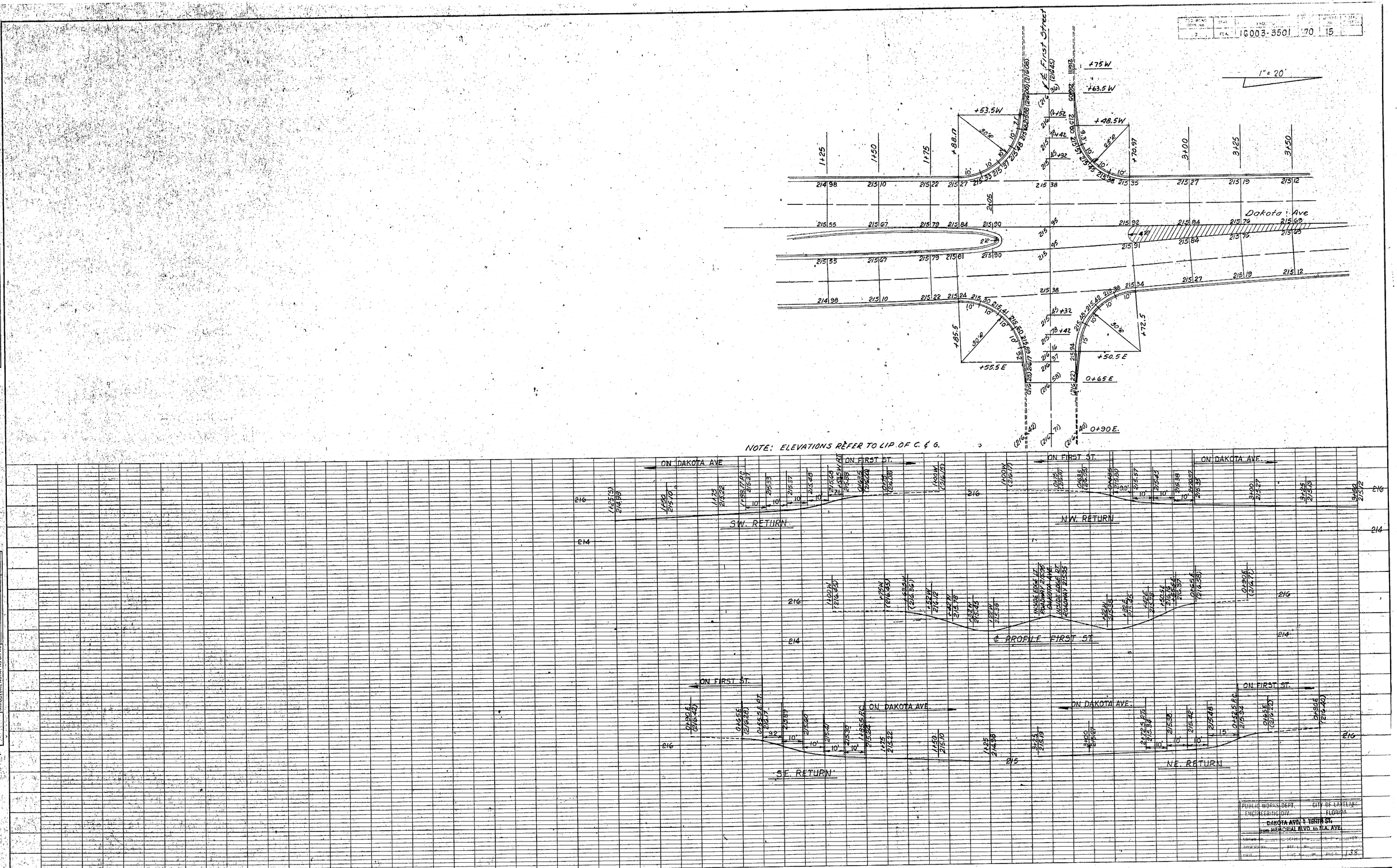


PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, NOTE BOOK NO.

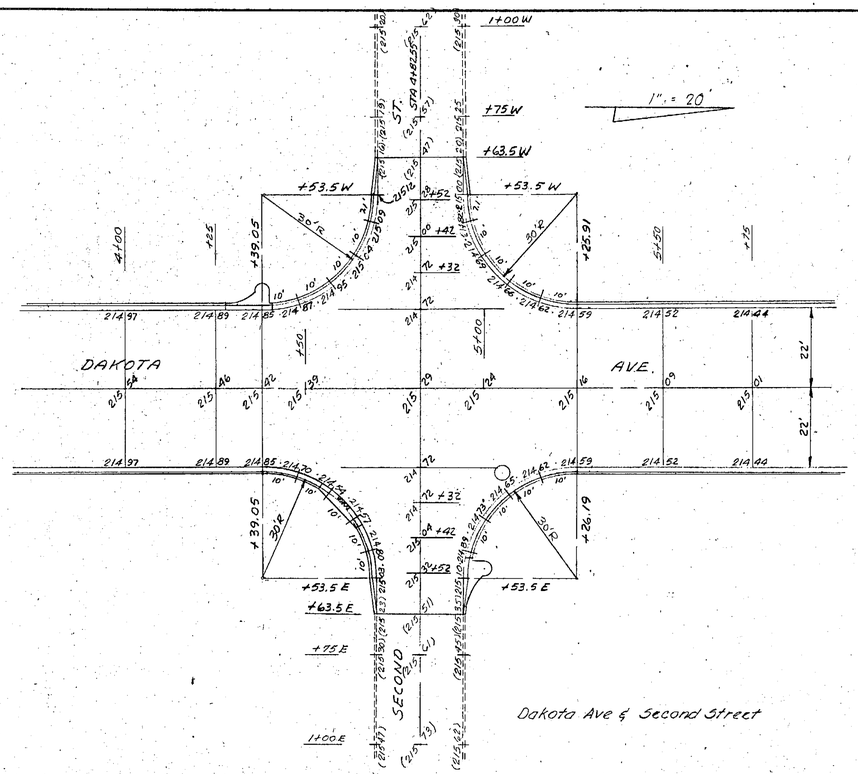
PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, R/W PLOTTED, STRUCTURE NOTATIONS CHKD., NOTE BOOK NO.

K+E PLATE 1, PLAN-PROFILE KEUFFEL & ESSER CO.

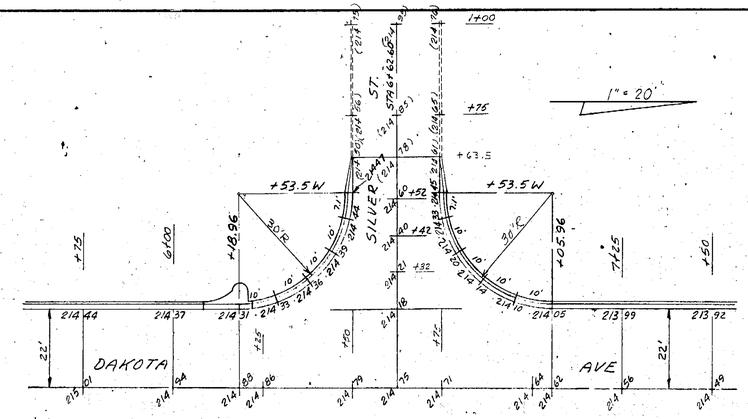
FED. ROAD DIVISION NO.	STATE	PROJECT NO.	SHEET NO.	SHEET TOTAL
3	FLA.	16003-3501	70	15



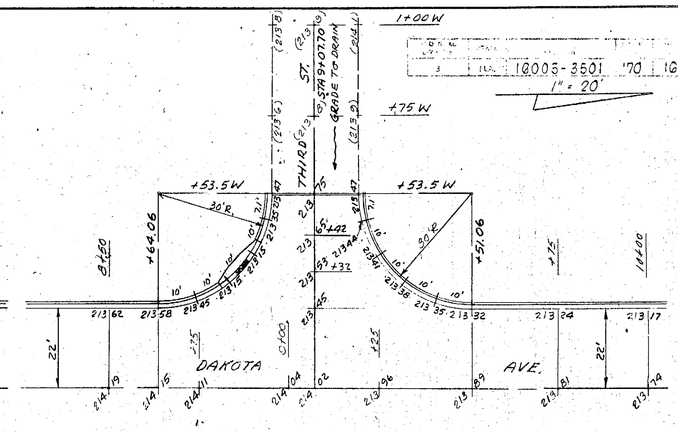
K+E PLATE 1, PLAN-PROFILE
KEUFFEL & ESSER CO.



Dakota Ave & Second Street

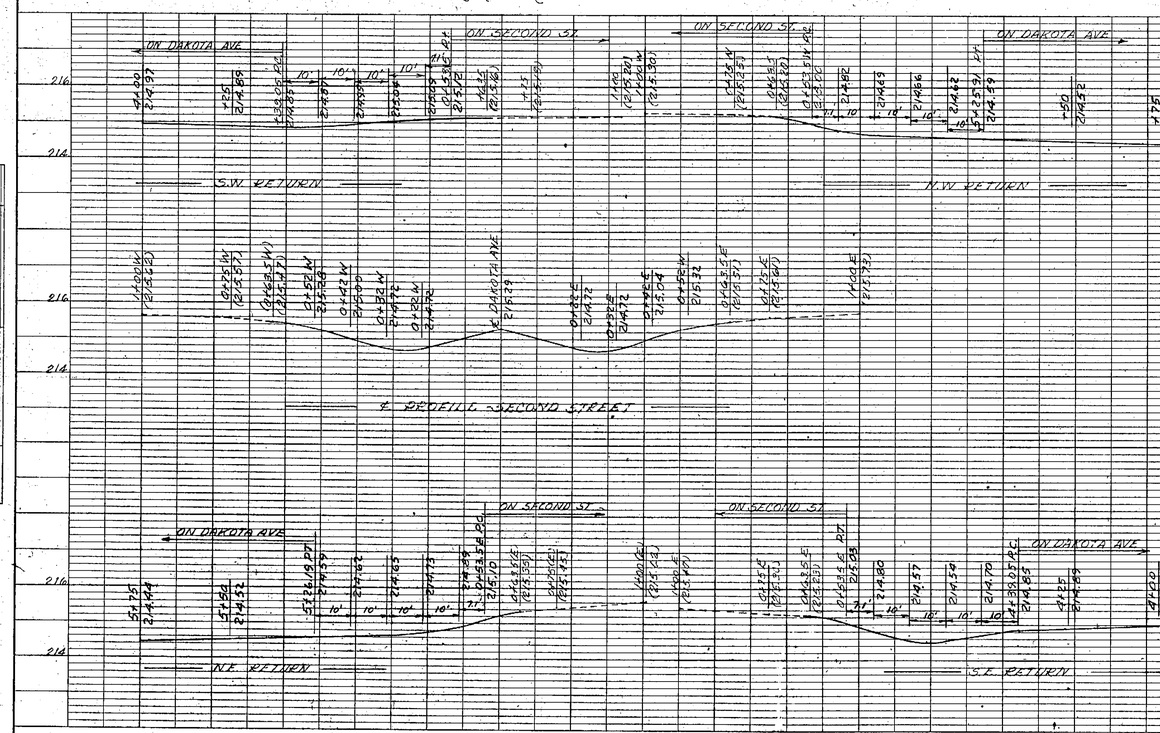


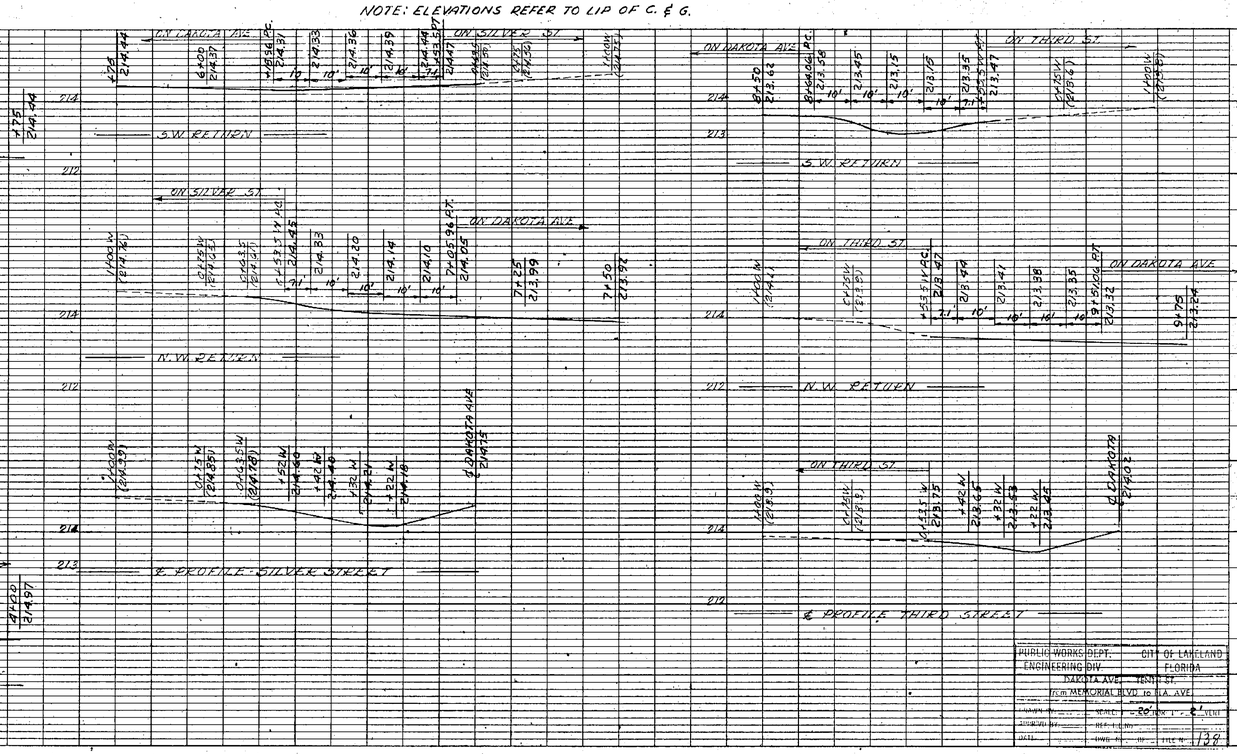
Dakota Ave. & Silver Street



Dakota Ave & Third Street

NOTE: ELEVATIONS REFER TO LIP OF C. & G.





PLAN	BY	DATE
SURVEYED		
PLOTTED		
ALIGNMENT CHECKED		
RT. OF WAY CHECKED		
NOTE BOOK NO.		

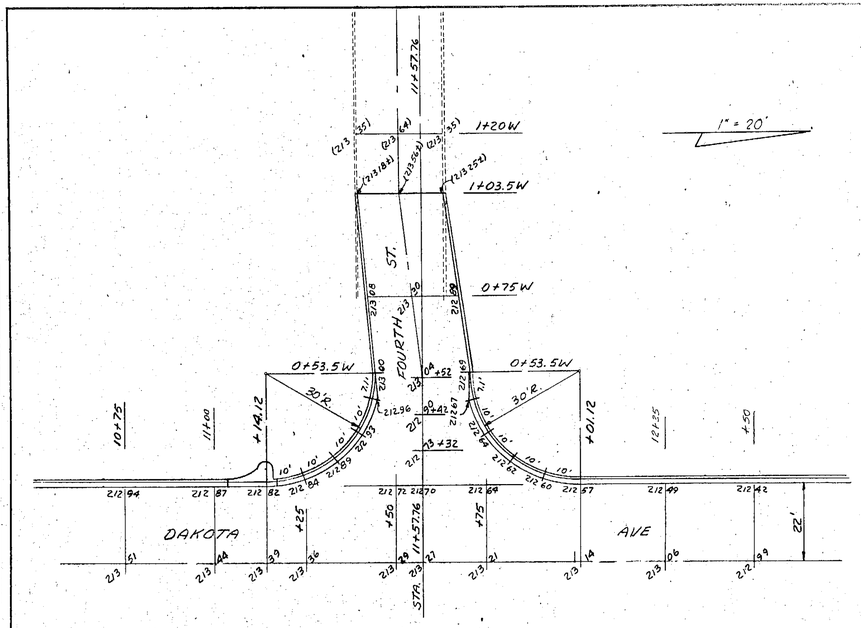
PROFILE	BY	DATE
SURVEYED		
PLOTTED		
GRADES CHECKED		
B.M. NOTED		
STRUCTURE NOTATNS CH'KD		
NOTE BOOK NO.		

PUBLIC WORKS DEPT.	CITY OF LAKELAND
ENGINEERING DIV.	FLORIDA
DAKOTA AVE. TENTH ST.	
from MEMORIAL BLVD. to ELA AVE.	
DRAWN BY	HORIZ. 1" = 20' VERT. 1" = 2'
TRACED BY	REF. FILE NO.
DATE	DWG. NO. FILE NO. 138

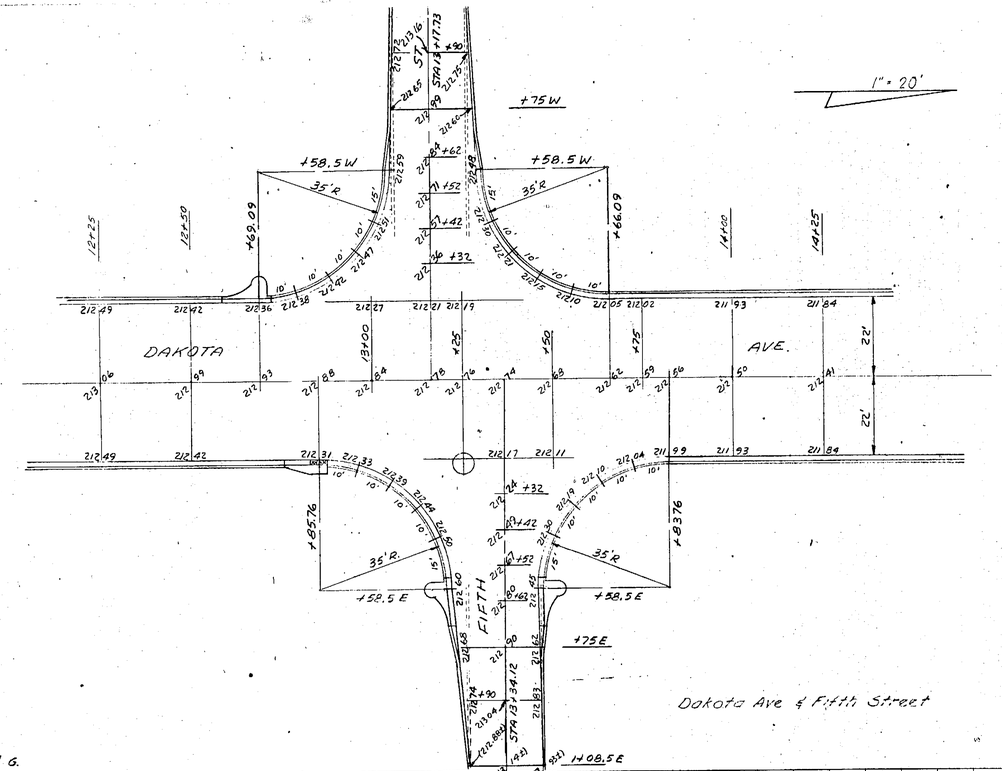
K+E PLATE 1, PLAN-PROFILE
KEUFFEL & ESSER CO.

FED. RD. DIV.	NO.	10003-3501	70	17

PLAN		BY	DATE
SURVEYED			
PLOTTED			
NOTE BOOK	ALIGNMENT CHECKED		
	RT. OF WAY CHECKED		
NO.			



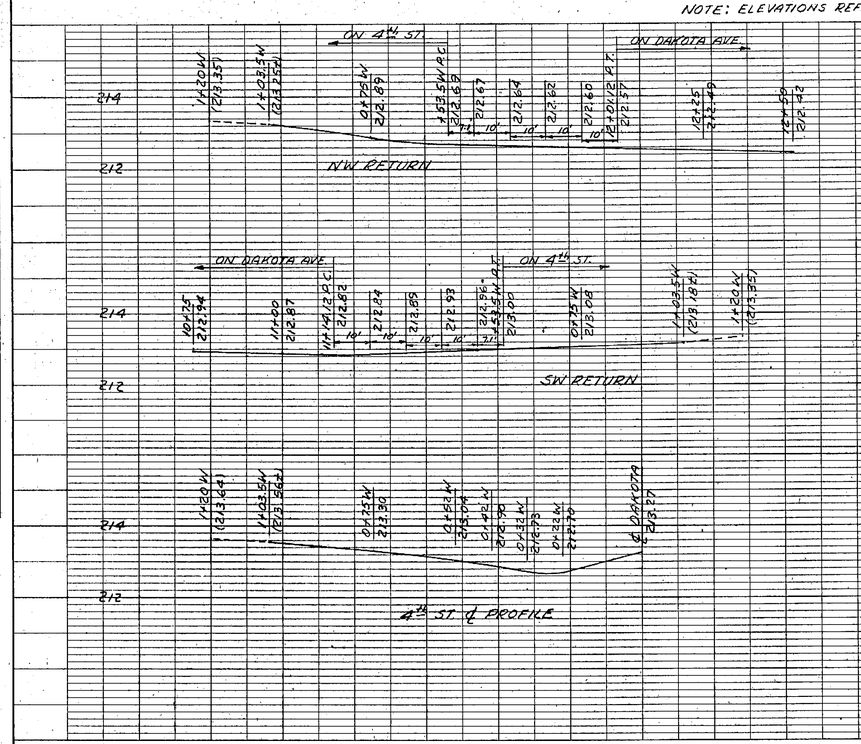
Dakota Ave & Fourth Street

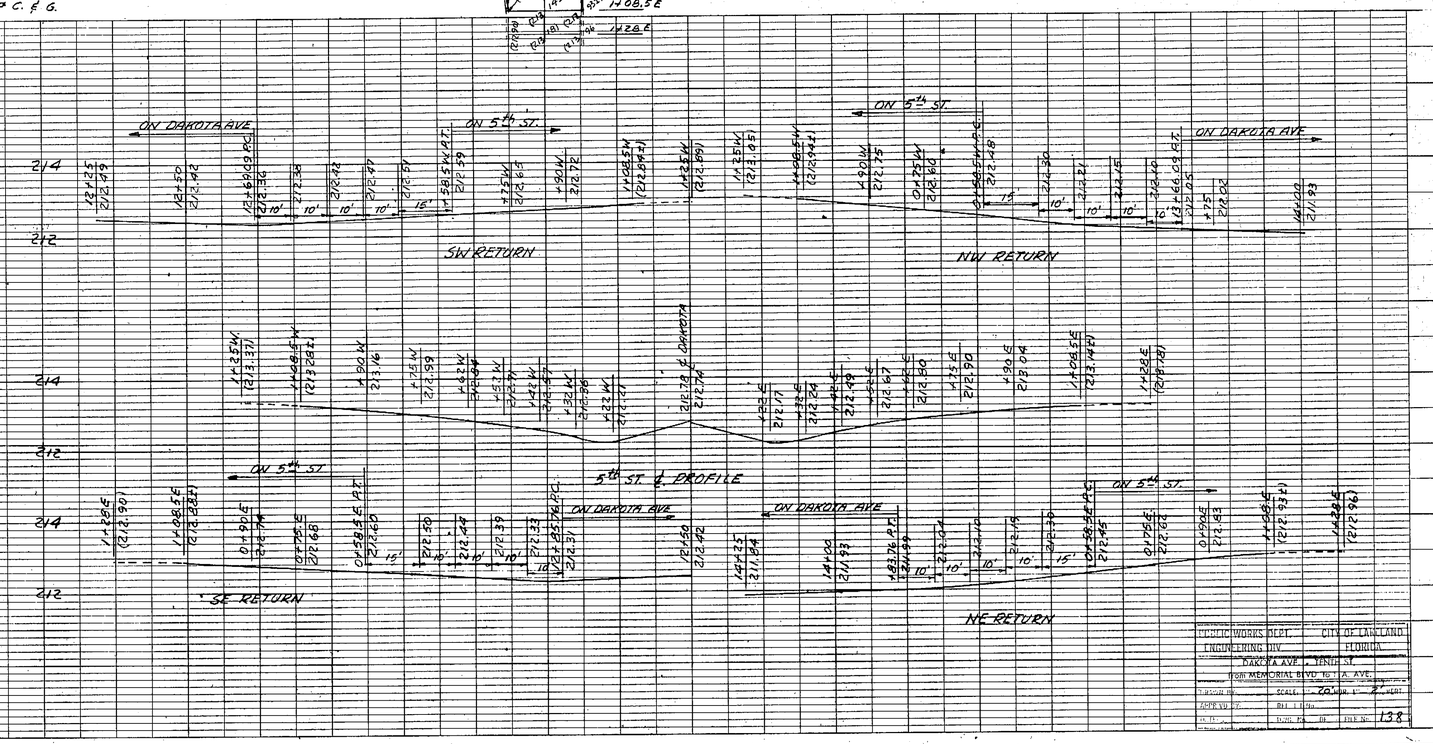


Dakota Ave & Fifth Street

NOTE: ELEVATIONS REFER TO LIP OF C. & G.

PROFILE		BY	DATE
SURVEYED			
PLOTTED			
NOTE BOOK	GRADES CHECKED		
	B. M.'S NOTED		
NO.	STRUCTURE NOTATNS CHKD		

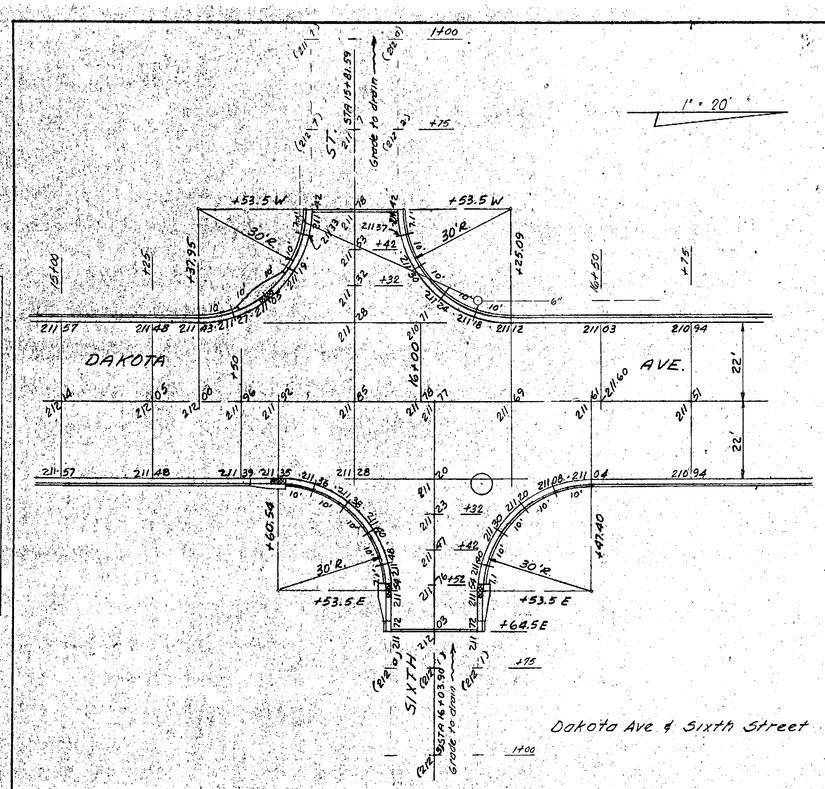




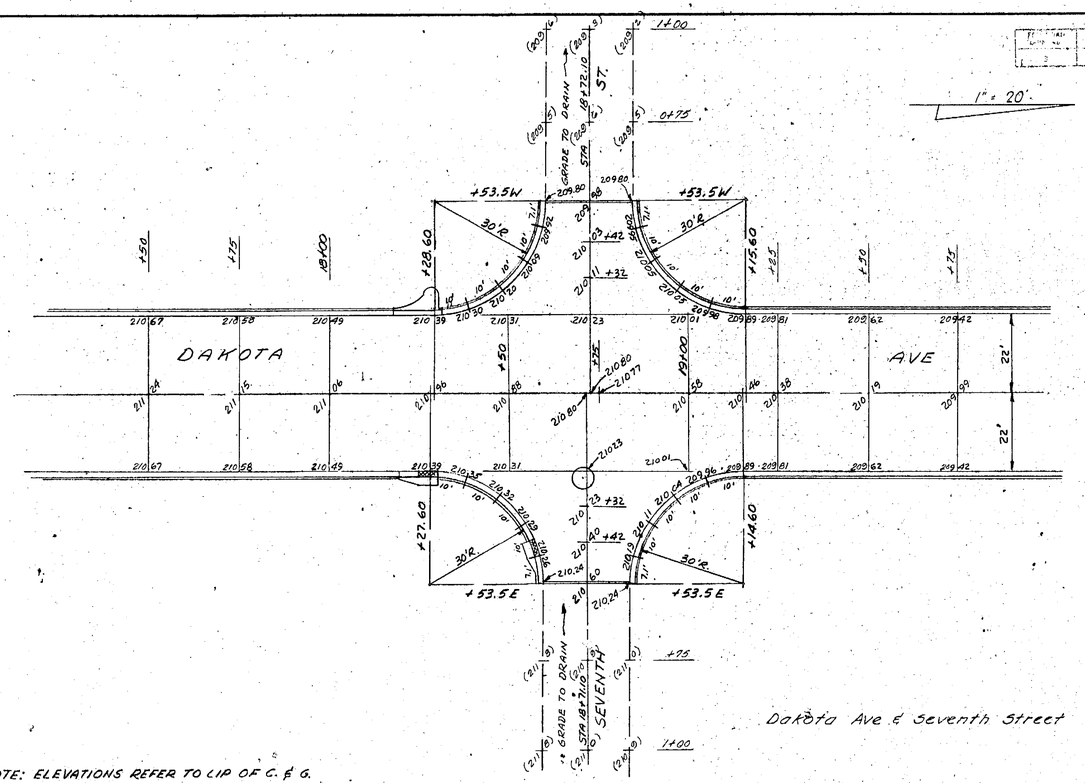
PUBLIC WORKS DEPT.	CITY OF LAKELAND
ENGINEERING DIV.	FLORIDA
DAKOTA AVE. & FIFTH ST.	
FROM MEMORIAL BLVD. TO	A. AVE.
DRAWN BY	SCALE 20' HOR. 1" 2' VERT.
CHECKED BY	BH.	
DATE	DWG. NO.	FILE NO. 138

K&E PLATE 1, PLAN-PROFILE
KEUFFEL & ESSER CO.

16003-3501	70	18	

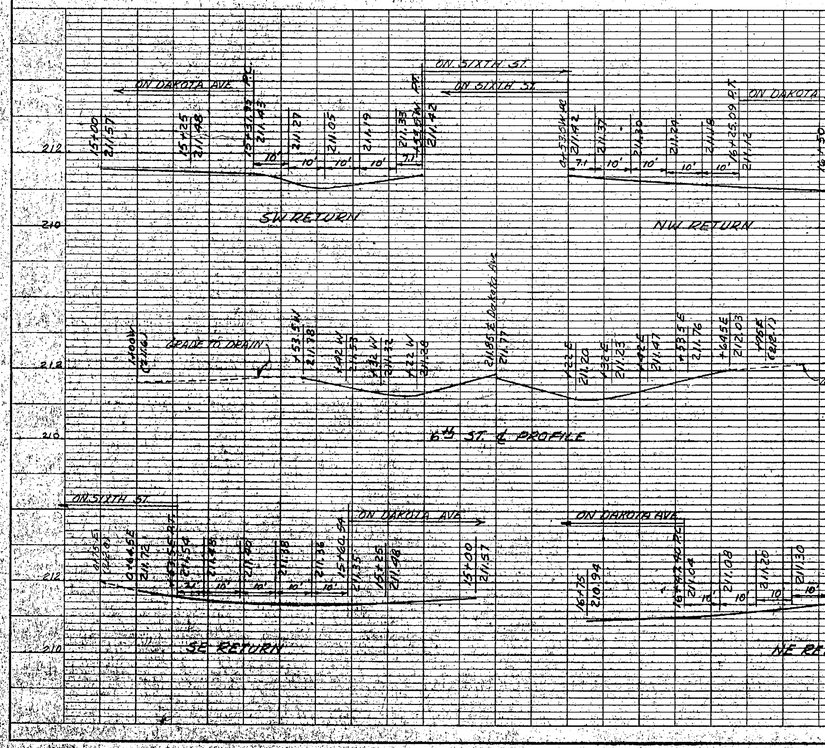


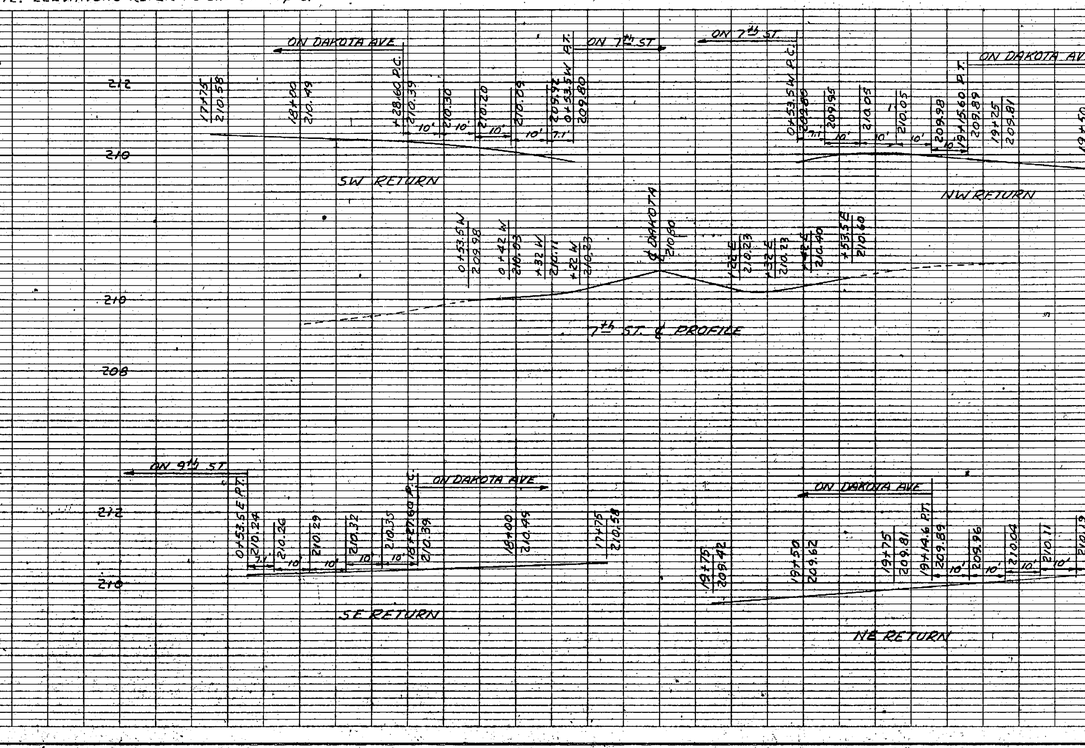
Dakota Ave & Sixth Street



Dakota Ave & Seventh Street

NOTE: ELEVATIONS REFER TO LIP OF C. & G.





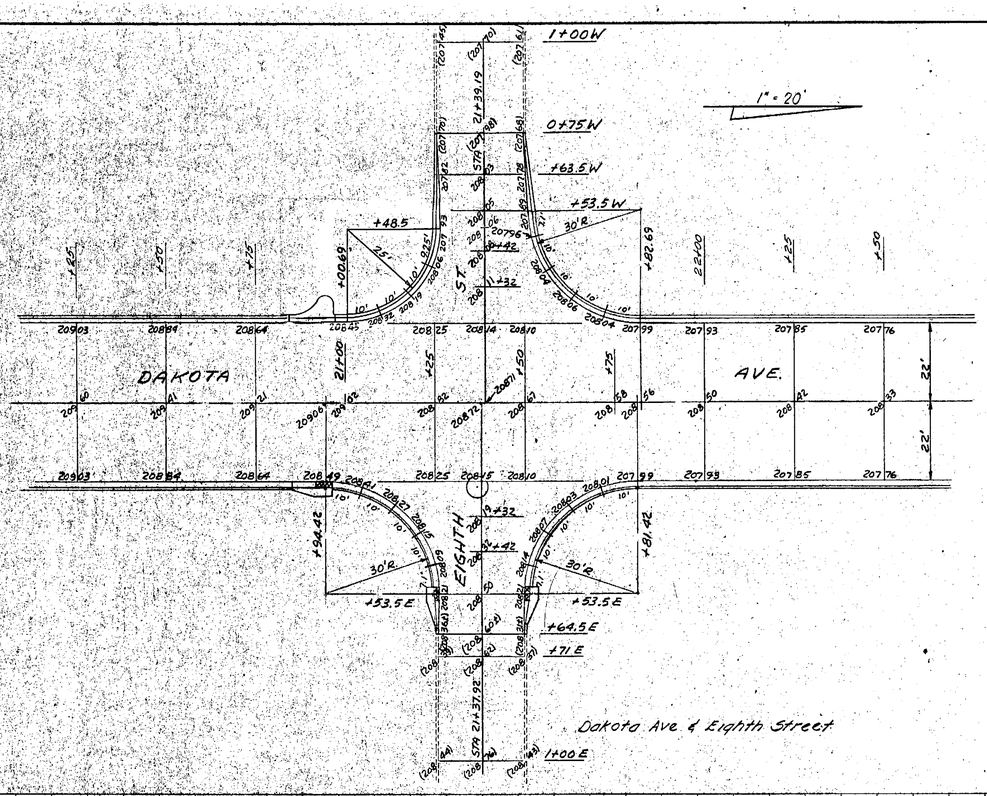
PUBLIC WORKS DEPT.	CITY OF LAKELAND
ENGINEERING DIV.	FLORIDA
DAKOTA AVE. - TENTH ST.	
from MEMORIAL BLVD. to LA. AVE.	
DRAWN BY	SCALE: 1" = 20' HOR. 1" = 2' VERT.
APPROVED BY	REF. L. No.
DATE	DWG. No. FILE No. 138

PLAN: SURVEYED, PLOTTED, ALIGNMENT CHECKED, BL. & PVM. OPTIONAL, NOTE BOOK, NO., BY, DATE

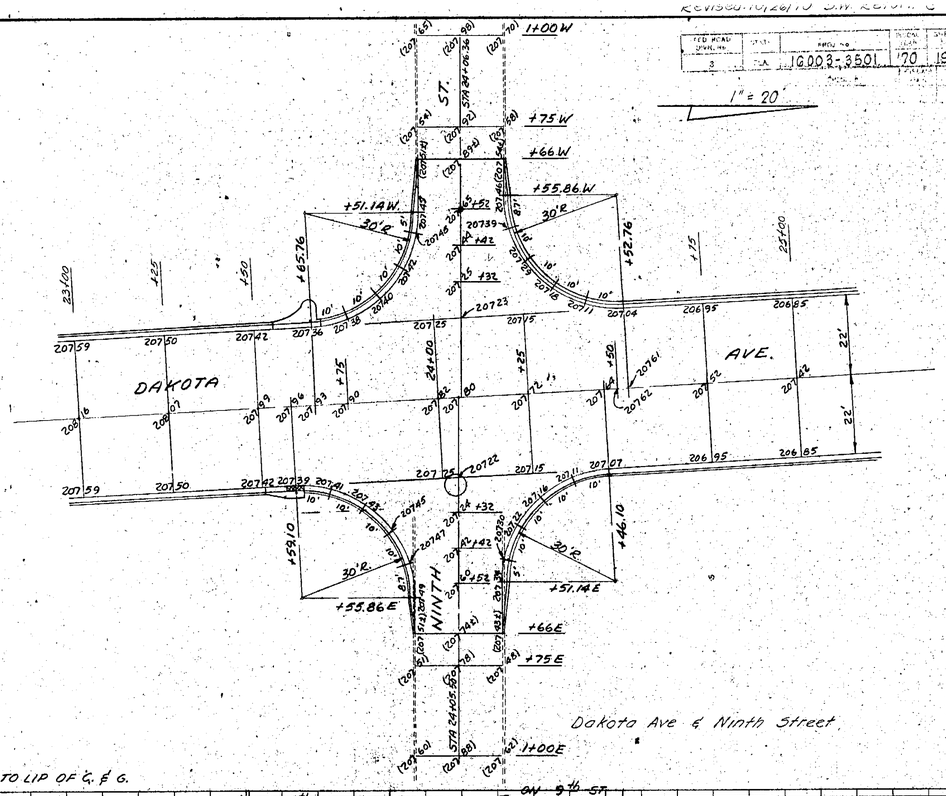
PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, BL. & E NOTED, STRUCTURE NOTATIONS CHKD, NOTE BOOK, NO., BY, DATE

FED. ROAD DIVISION	STATE	FEDERAL AID PROJ. NO.	TOTAL SHEETS	SHEET NO.
3	FLA.	16003-3501	70	19

1" = 20'

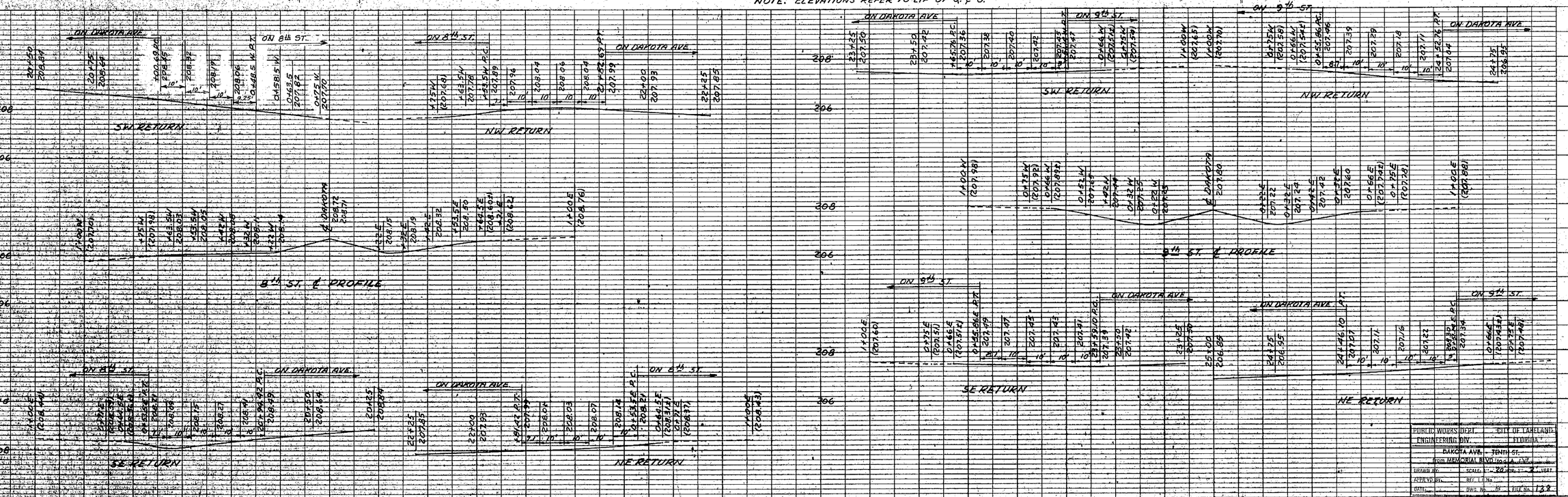


Dakota Ave & Eighth Street



Dakota Ave & Ninth Street

NOTE: ELEVATIONS REFER TO LIP OF G. & G.



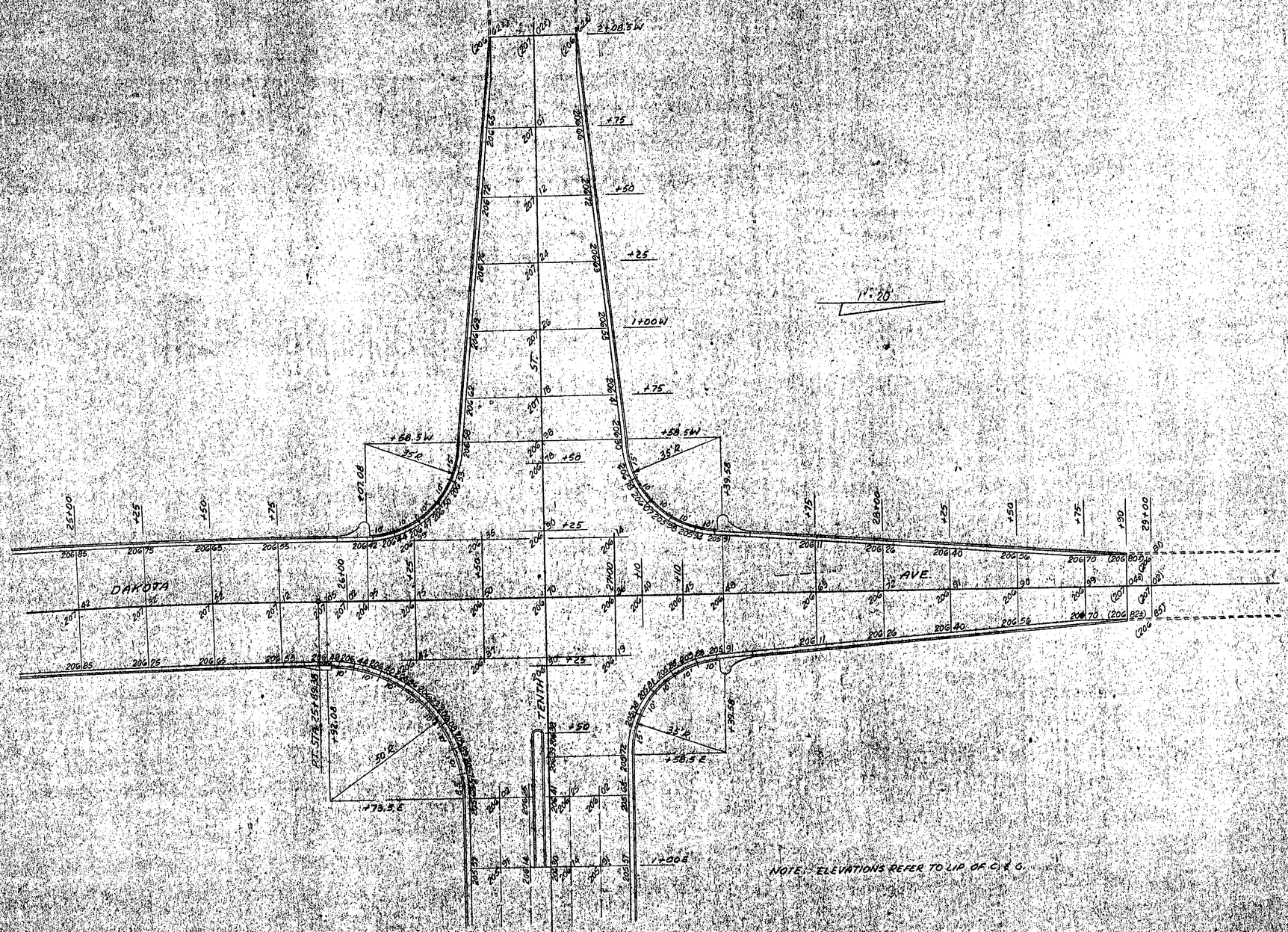
PLAN — SURVEYED / PLOTTED / NOTE BOOK / ALIGNMENT CHECKED / NO. / RT. OF WAY CHECKED — BY / DATE

PROFILE — SURVEYED / PLOTTED / NOTE BOOK / GRADES CHECKED / NO. / BL. NOTED — BY / DATE — CITY OF MONTICELLO, FLA.

PUBLIC WORKS DEPT.	CITY OF LAKELAND, FLORIDA
DAKOTA AVE. TENTH ST. from MEMORIAL BLVD. to 9th AVE.	
DRAWN BY:	SCALE: 1" = 20' 1" = 2' SHEET
APPROVED BY:	REF. L.D. No.
DATE:	DWG. No. OF FILE No. 138

K+E PLATE 1, PLAN-PROFILE
KEUFFEL & ESSER CO.

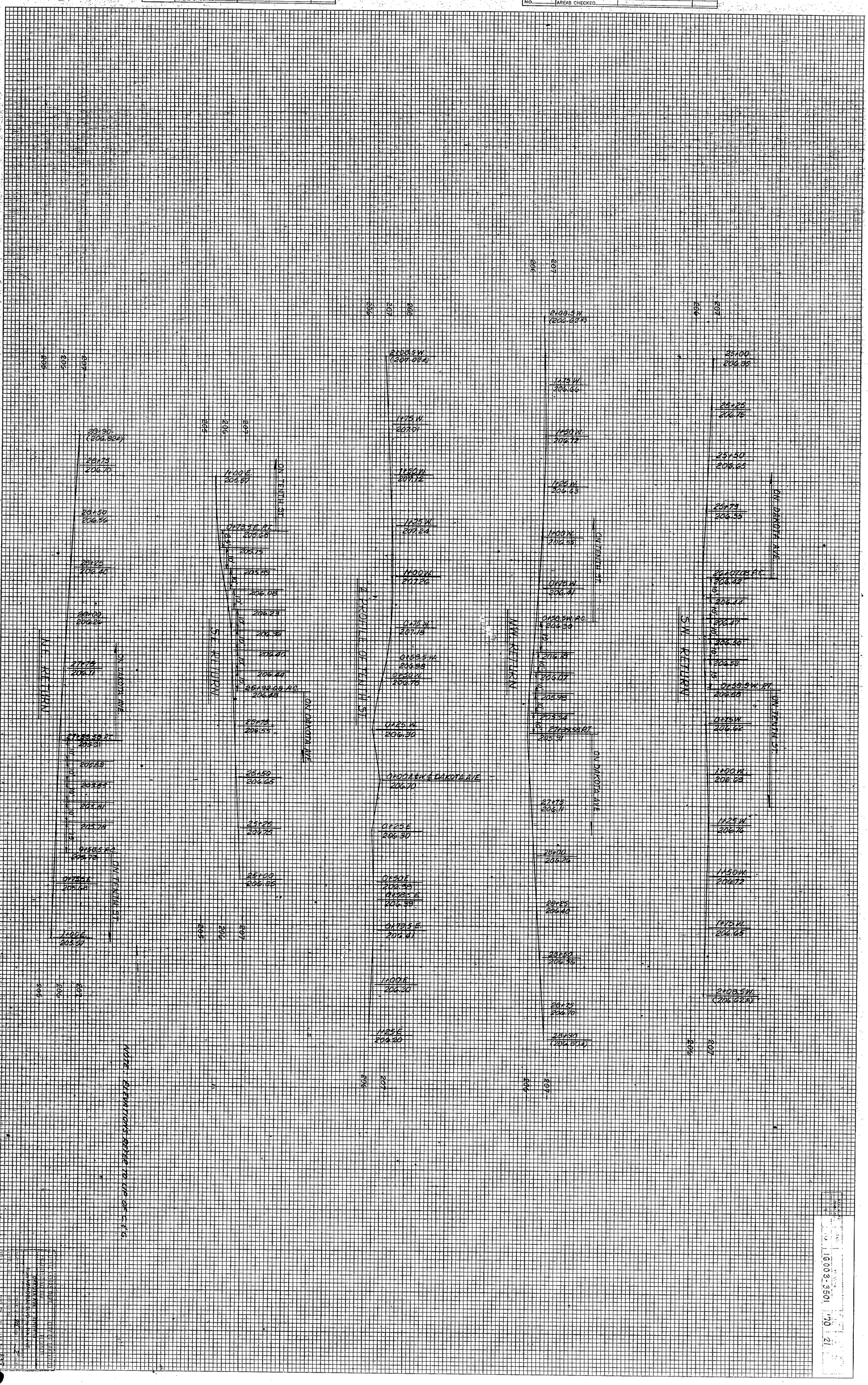
FED. ROAD DIVN. NO.	STATE					TOTAL SHEETS
8	FLA	16003-3501	70	20		



PUBLIC WORKS DEPT. CITY OF LAKELAND
ENGINEERING DIV. FLORIDA
DAKOTA AVE. - TENTH ST.
from MEMORIAL BLVD. to FLA. AVE.
DRAWN BY: SCALE: HORIZ. VERT.
APPR'VD BY: REF. LIC. NO.
DATE: DWG. NO. OF FILE NO. 1438

ORIGINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

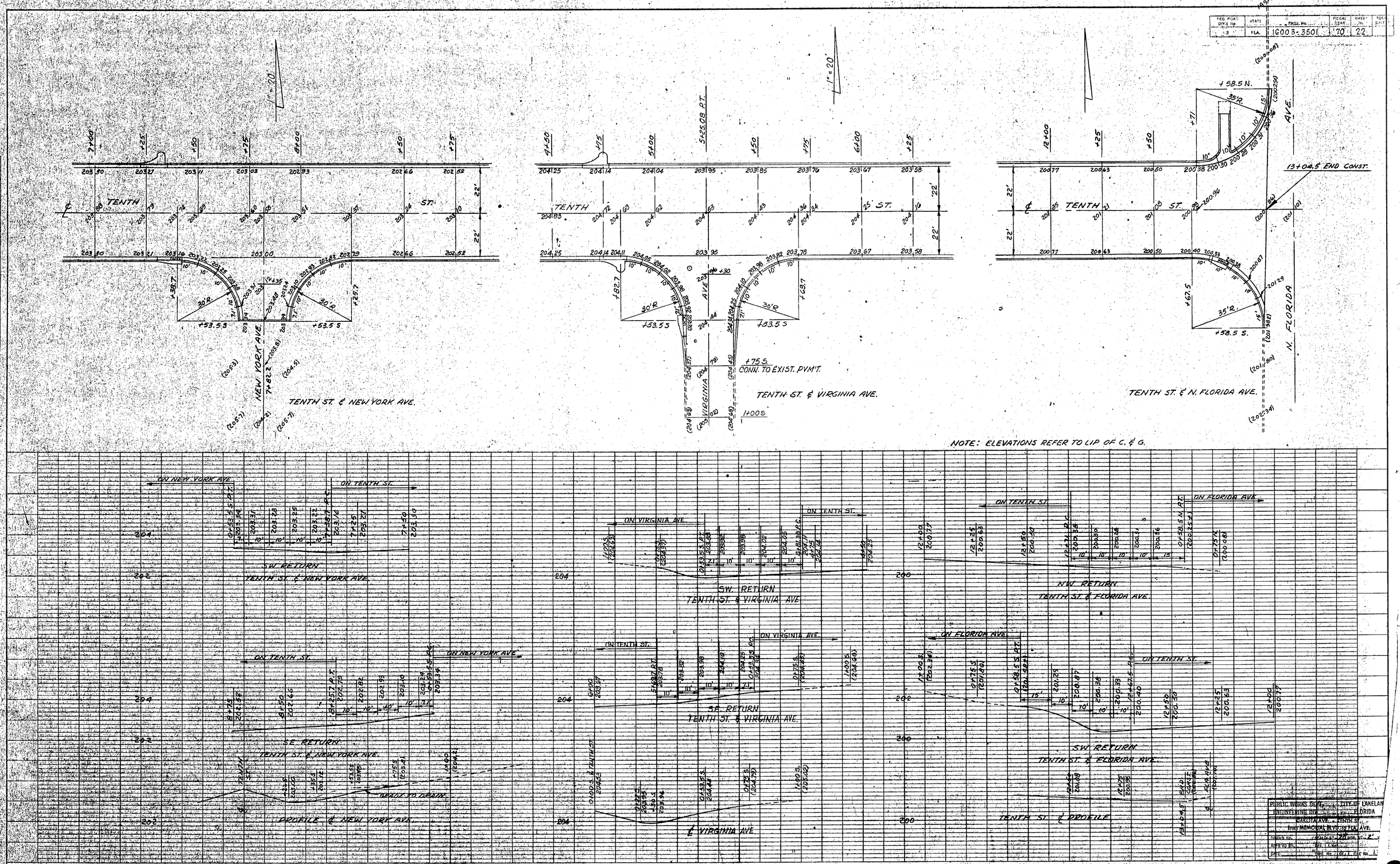
FINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		



K+E PLATE 3, CROSS SECTION KEUFFEL & ESSER CO.

16003-3501 70 21

FED. ROAD DIVN. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHTS.
3	FLA.	10003-3501	70	22	



K+E PLATE 1, PLAN-PROFILE KEUFFEL & ESSER CO.

FED. ROAD DIVN. No.	STATE	FED. ROAD No.	TOTAL SHEETS	SHEET No.
3	FLA.	16003-3801	70	281

Palma-Ceia Court Blk. C

Scale: 1"=30'

Rochelle Junior High School

STA. 27+40 LT. (DAKOTA AVE.) = 0+04.83 RT. (OUTFALL)
CONST. J-1 INLET
(See Sheet No. 10 Dakota Ave. Paving)

PROPOSED R/W — 5' CONST. EASEMENT

STA. 4+22.70
CONST. J-3 M.H.
INV. 197.7 48" E. & W.
INV. 208.2 18" STUB N.
TOP ELEV. 207.62

CONST. 48" R.C.P. S. 38°57'25" W. 12" ± S.E. R/W

CONST. 8' OF 18" R.C.P. N. FROM M.H.

18" R.M. — ℄ Dakota Ave. Pvm't. — 18" R.M.

N. 2°32'00" W.

CONST. 384' OF 48" R.C.P. — R/W

CONST. 48" R.C.P.

CONST. 27' OF 48" R.C.P.

STA. 27+40 RT. (DAKOTA AVE.) = 0+04.83 RT. (OUTFALL)
CONST. J-1 INLET
(See Sheet No. 10 Dakota Ave. Paving)

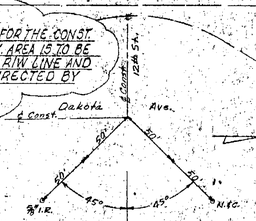
5' CONST. EASEMENT — PROPOSED R/W

P.I. STA. 3+94.70 16' E. OF ℄ DAKOTA AVE. (PVM'T.)
CONST. J-1 INLET INV. 197.9 48" S.
INV. 197.8 48" W.
Δ = 88°30'35" LT.

STA. 28+90 (DAKOTA) BEGIN AT THIS POINT
ALL INCIDENTAL CONST. TO BE INCLUDED IN COST OF OUTFALL

NOTE:
ALL EXIST. SIDEWALK REMOVED FOR THE CONST. OF THE OUTFALL IN THIS APPROX. AREA IS TO BE RE-CONSTRUCTED AT THE NEW R/W LINE AND TRANSITIONED TO EXIST. AS DIRECTED BY THE ENGINEER.

Rochelle Senior High School



Reference-P.I. Sta. 3+94.70

PLAN: SURVEYED — PLOTTED — ALIGNMENT CHECKED — NOTE BOOK — BY — DATE — NO.

PROFILE: SURVEYED — PLOTTED — GRADES CHECKED — NOTE BOOK — BY — DATE — NO.

STA. 27+40 RT. (DAKOTA AVE.) = 0+04.83 RT. (OUTFALL)
CONST. J-1 INLET

EXIST. ℄ PROFILE

P.I. STA. 3+94.70
CONST. J-1 INLET

CONST. 48" R.C.P.

CONST. 15" R.C.P.

CONST. 384' OF 48" R.C.P. @ 0.26%

INV. 198.8

INV. 197.9

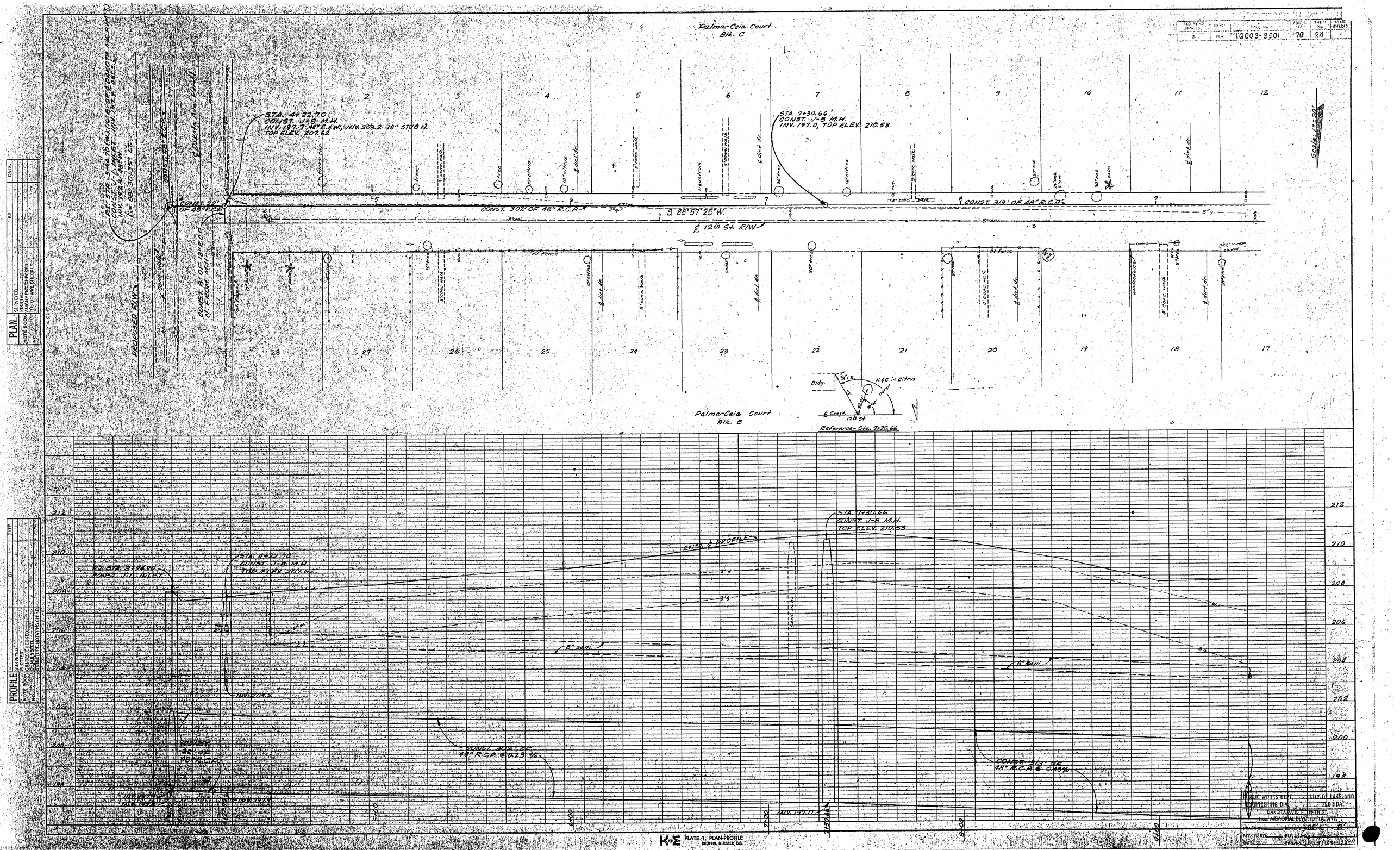
INV. 197.8

208 / 206 / 204 / 202 / 200 / 198 / 196

PUBLIC WORKS DEPT. — CITY OF LAKELAND
ENGINEERING DIVISION — FLORIDA
DAKOTA AVE. TRUNK STA.
OUTFALL
DRAWN BY — SCALE 1" = 20' HORZ. 1" = 2' VERT.
APPROVED BY — FILE No.
DATE — DWG. No. — FILE No.

K+E PLATE 1, PLAN-PROFILE — KEUFFEL & ESSER CO.

OUTFALL

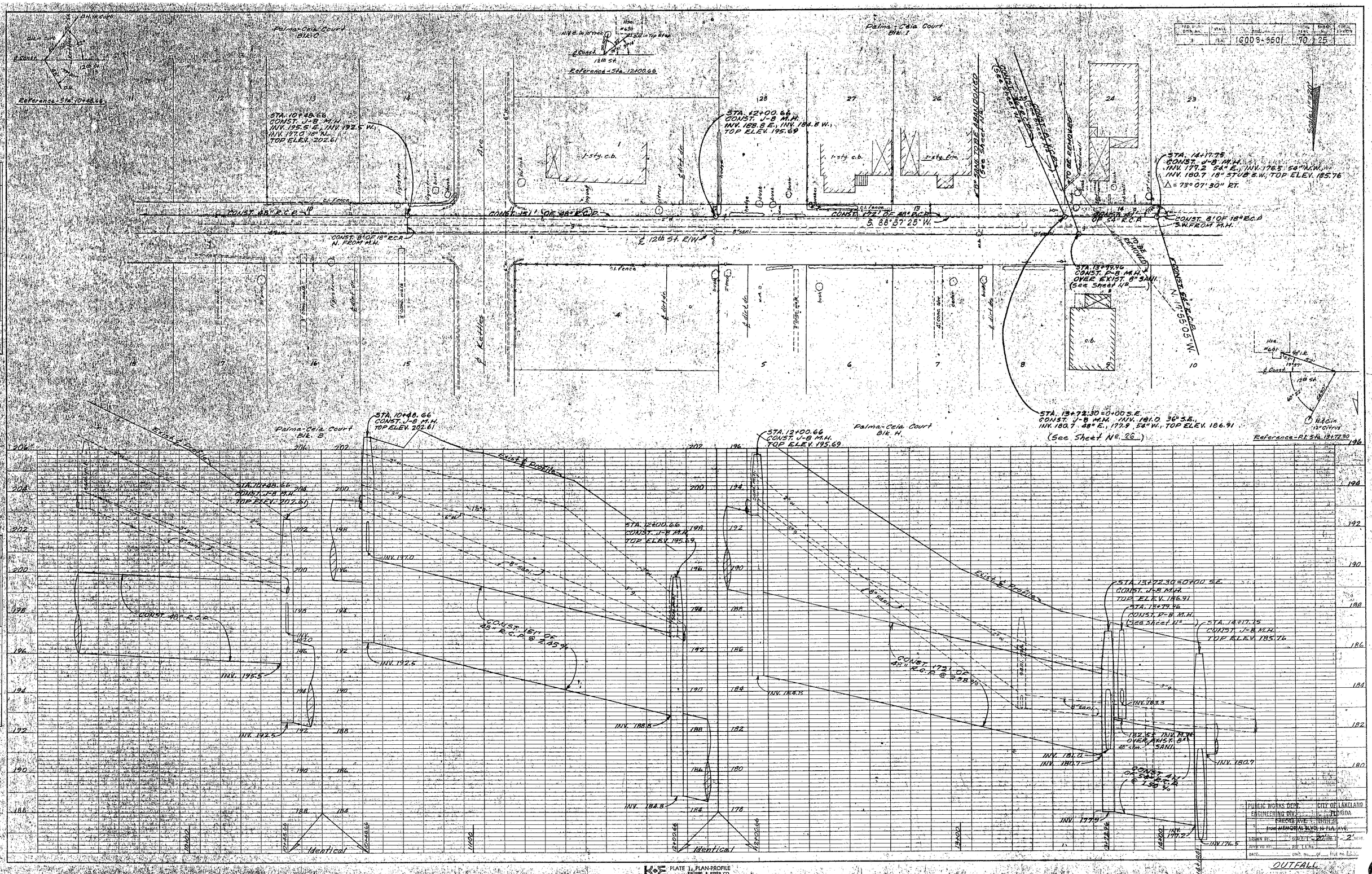


FED. ROAD DEPT. | STATE | PROJ. No. | SHEET No. | TOTAL SHEETS
S | FLA. | 16003-3501 | 70 | 24
Palma-Ceia Court
Blk. C
STA. 4+22.70
CONST. J-8 M.H.
INV. 197.7, 48" E.&W.; INV. 203.2 18" STUB N.
TOP ELEV. 207.62
STA. 7+30.66
CONST. J-8 M.H.
INV. 197.0, TOP ELEV. 210.53
CONST. 22' OF 48" R.C.P.
CONST. 302' OF 48" R.C.P.
S. 88°57'25"W.
℄ 12th St. R/W
CONST. 313' OF 48" R.C.P.
PROPOSED R/W
CONST. 8' OF 18" R.C.P. N. FROM M.H.
Scale: 1"=20'
Palma-Ceia Court
Blk. B
Bldg.
N.&C. in Citrus
℄ Const.
12th St.
Reference- Sta. 7+30.66
STA. 7+30.66
CONST. J-8 M.H.
TOP ELEV. 210.53
EXIST. ℄ PROFILE
STA. 4+22.70
CONST. J-8 M.H.
TOP ELEV. 207.62
CONST. 302' OF 48" R.C.P. @ 0.23%
CONST. 313' OF 48" R.C.P. @ 0.48%
INV. 197.0
PLAN
PROFILE
PUBLIC WORKS DEPT. CITY OF LAKELAND
ENGINEERING DIV. FLORIDA
DAKOTA AVE. - TENTH ST.
from MEMORIAL BLVD. to FLA. AVE.
K+E PLATE 1, PLAN-PROFILE
KEUFFEL & ESSER CO.

FED. ROAD DIV.	STATE	PROJ.	TOTAL SHEETS	SHEET NO.	TOTAL SHEETS
3	FLA.	16009-3501	70	25	

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / NOTE BOOK / NO.

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTE BOOK / NO. / B.M. TO WHICH ELEVATIONS CHKD.



PUBLIC WORKS DEPT. ENGINEERING DIV. — CITY OF LAKELAND, FLORIDA — PARKER AVE. — BRIDGE — from MEMORIAL BLVD. to FLA. AVE.

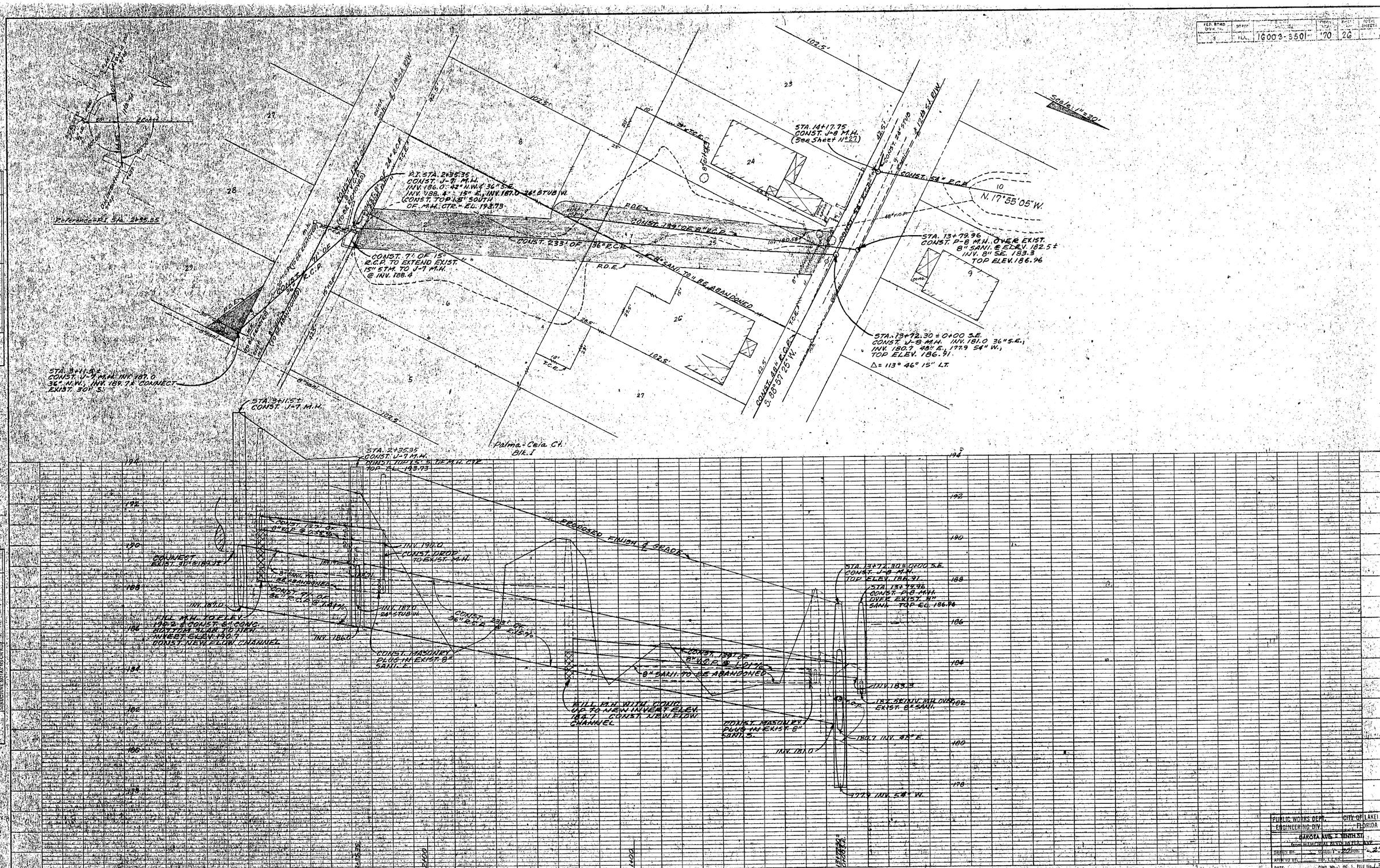
DRAWN BY: ____ SCALE: 1" = 20' HOR. — 2' VERT.

APVD. TO RT. OF WAY BY: ____ DWG. No. ____ of ____ FILE No. ____

DATE: ____

K+E PLATE 1, PLAN-PROFILE — KEUFFEL & ESSER CO.

FED. ROAD DIV. NO.	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
3	FLA.	16003-3501	70	26



PLAN

NOTE BOOK NO.	SURVEYED	PLOTTED	ALIGNMENT CHECKED	RT. OF WAY CHECKED	BY	DATE

PROFILE

NOTE BOOK NO.	SURVEYED	PLOTTED	GRADES CHECKED	B.M.'S NOTED	STRUCTURE NOTATIONS CHKD.	BY	DATE

PUBLIC WORKS DEPT. ENGINEERING DIV. — CITY OF LAKELAND FLORIDA

DAKOTA AVE. - TENTH ST.

from MEMORIAL BLVD. to FLA. AVE.

DRAWN BY: SCALE: 1" = 20' HORIZ. 1" = 2' VERT.

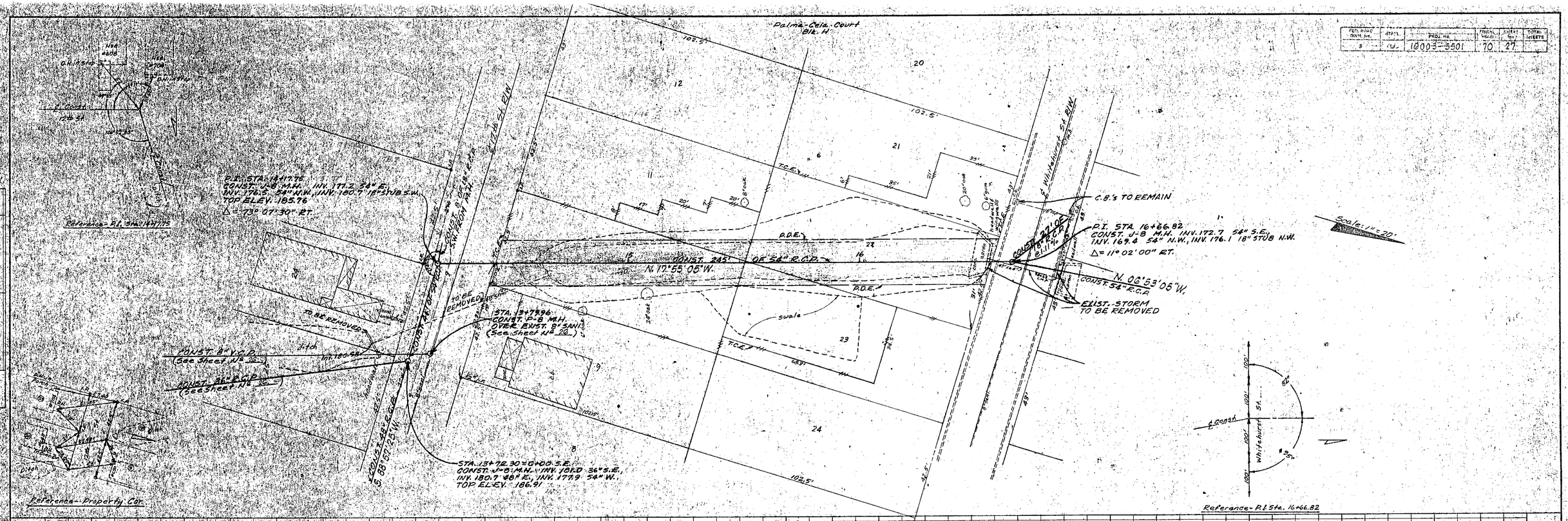
APPR'D BY: REF. L.T. NO.

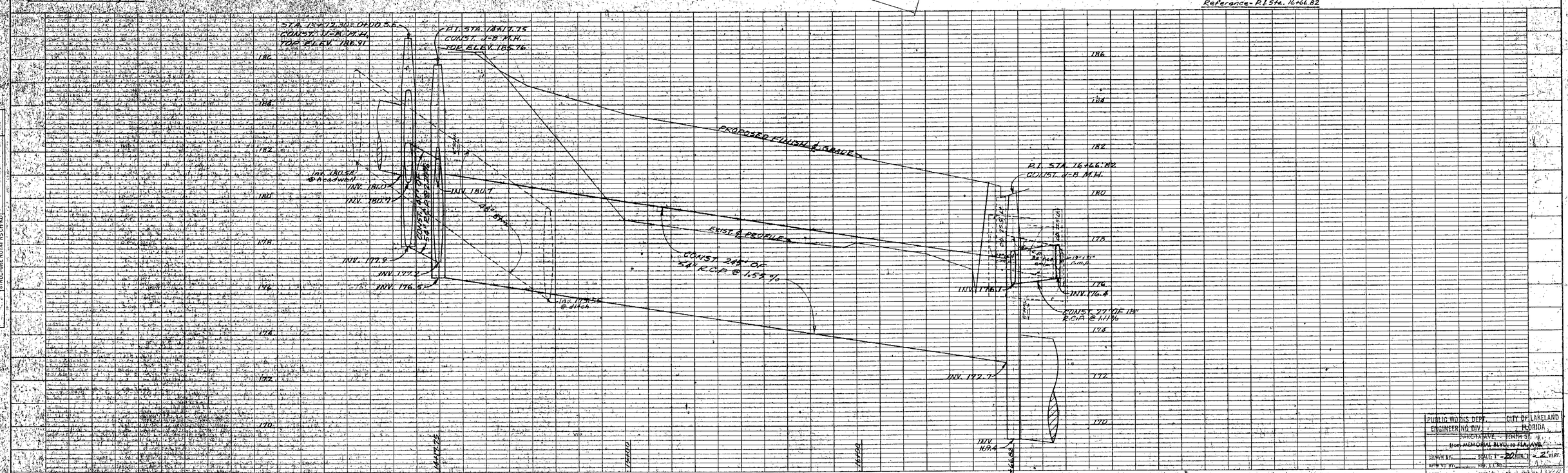
DATE: DWG. No. 1 FILE No. 135

OUTFALL

K+E PLATE 1, PLAN-PROFILE KEUFFEL & ESSER CO.

FED. ROAD INVT. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	FLA.	10003-3501	70	27





PUBLIC WORKS DEPT. ENGINEERING DIV.	CITY OF LAKELAND FLORIDA
DAKOTA AVE. - TENTH ST. from MEMORIAL BLVD. to FLA. AVE.	
DRAWN BY:	SCALE: 1" = 20' (HORZ.) 1" = 2' (VERT.)
APPROVED BY:	REF. E.L. NO.:
DATE:	DWG. NO. ___ OF ___ FILE No. 1.3

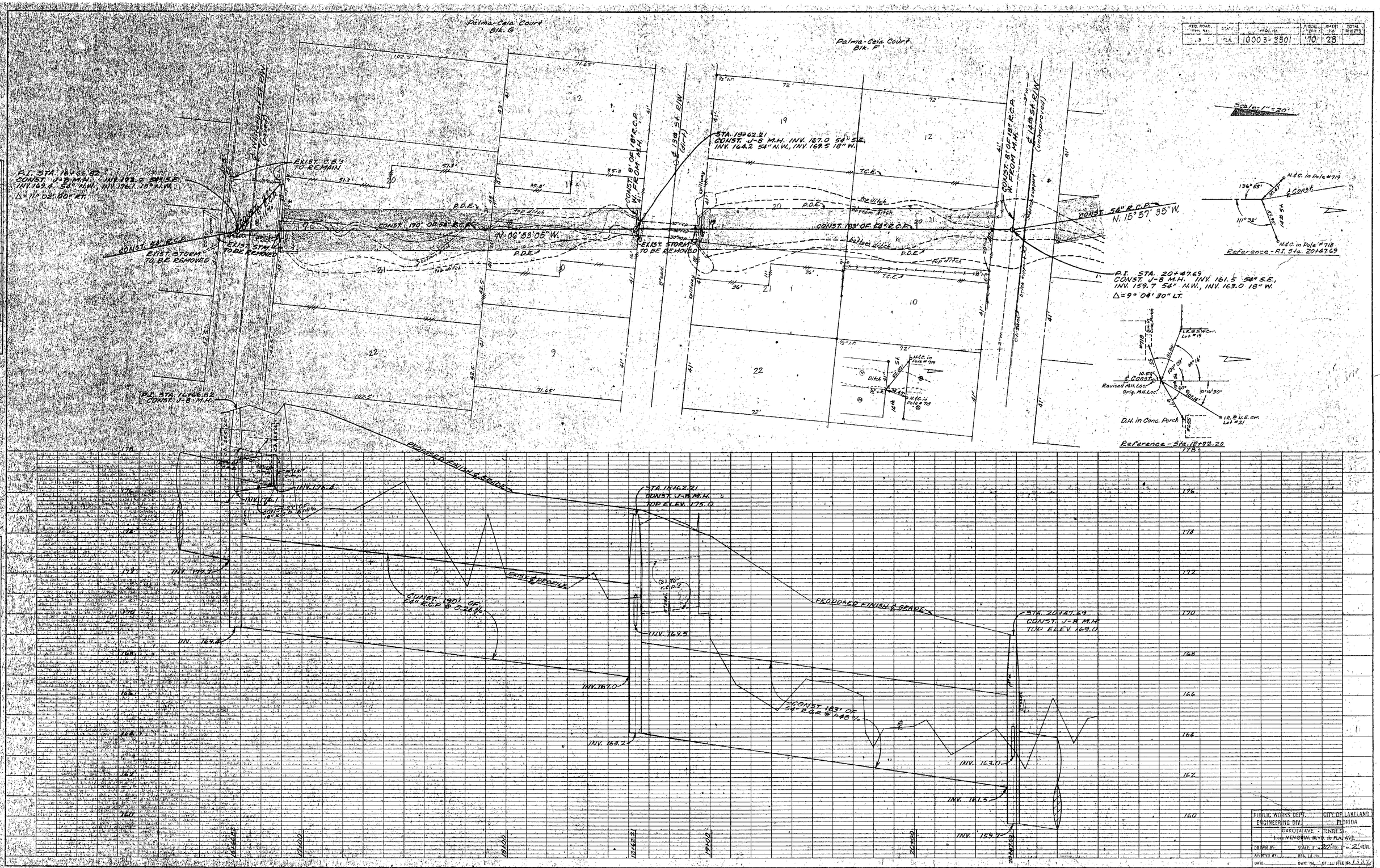
OUTFALL

PLAN — SURVEYED / PLOTTED / NOTE BOOK / NO. / DATE / BY / PLOTTED CHECKED / BY: M.S. NOTED / STRUCTURE NOTATIONS CHECKED / BY: OF W.W. CHECKED

PROFILE — SURVEYED / PLOTTED / NOTE BOOK / NO. / DATE / BY / PLOTTED CHECKED / BY: M.S. NOTED / STRUCTURE NOTATIONS CHECKED

K+E PLATE 1, PLAN-PROFILE KEUFFEL & ESSER CO.

FED. ROAD. DIVISION NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
8	FLA.	1000 3-3501	70	28	



PUBLIC WORKS DEPT. ENGINEERING DIV. — CITY OF LAKELAND FLORIDA

DAKOTA AVE. - TENTH ST. from MEMORIAL BLVD. to FLA. AVE.

DRAWN BY: SCALE 1" = 20' HOR. 1" = 2' VERT.

APPROVED BY: MAR. 1-70

DATE: DWG. NO. OF FILE NO.

OUTFALL

K+E PLATE 1; PLAN-PROFILE KEUFFEL & ESSER CO.

			10003-350L	70	79

Revised 10-13-70 Plant profile corrections of sanitary and storm lines at Crawford St
City of Lakeland

Palma-Ceia Court Blk. E

Reference-Property Cor.

P.I. STA. 20+49.69
CONST. J-8 M.H. INV. 165.9 54" S.E.
INV. 159.9 54" N.W. INV. 163.0 18" W.
Δ = 8° 06' 30" LT.

CONST. 81' OF 18" R.C.P.
W/ FLOW M.H.

CONST. 114' OF 54" R.C.P.

N. 15° 57' 35" W.

CONST. 24" R.C.P.

top ditch
bottom ditch
short ditch
P.O.E.
T.C.E.
c.b. dwelling
c.b. (coop)
frm. bldg.
dirt
frm.
c.b. bldg.
wooden bridge
b-ck support
Concrete (unimproved)
24" stm.
12" sani.
Nail in Root of 36" Oak
Thomas
Crawford
Valencia
Wooden Bridge
Wire-Cherry
Reference-Property Cor.

CONST. 97' OF 54" R.C.P.

N. 05° 35' 55" W.

P.I. STA. 22+27.56
CONST. J-8 M.H.
INV. 154.6 54" N.W. INV. 159.0 18" W.
Δ = 10° 21' 40" RT.

CONST. 8' OF 18" R.C.P.
W/ FLOW M.H.

STA. 23+26.31
CONST. J-8 M.H.
INV. 153.3 54" E.
INV. 155.3 54" N.W.
Δ = 15° 55' 24" RT.

CONST. 15" STUB & LONG
INV. 157.40

CONST. 15" STUB & LONG
INV. 15.40

CONST. 14' OF 24" R.C.P.
FROM EXIST. 24" STM.
TO J-8 M.H. & INV. 157.0

Bellevue Park Blk. L

CONST. 220' OF 54" R.C.P.

P.I. STA. 25+56.00
CONST. J-8 M.H. INV. 149.2 54" S.E.
INV. 145.3 54" N.W.
Δ = 24° 57' 40" LT.

N. 30° 35' 35" W.

frm. bldg. (used for stor.)

Scale: 1" = 20'

Palma-Ceia Court Blk. D

N.E.C. in Pole #78

Reference-P.I. Sta. 22+27.56

N.E.C. in 48" Oak

D.H. in Conc. Porch

Reference-Sta. 23+30.61

PROPOSED FINISH GRADE

P.I. STA. 20+49.69
CONST. J-8 M.H.
TOP ELEV. 169.0

INV. 165.0

INV. 161.5

INV. 159.0

CONST. 176' OF 54" R.C.P. @ 1.39%

INV. 154.0

INV. 151.0

CONST. 93' OF 54" R.C.P. @ 1.40%

INV. 148.6

INV. 153.3

STA. 23+26.31
CONST. J-8 M.H.
TOP ELEV. 160.95

Profile

Top 157.30 (10" sani. abandoned)

INV. 157.4 15" N.E.S.E.

INV. 156.95 24" E.

Top 155.58 12" sani. (exist.)

CONST. 225' OF 54" R.C.P. @ 0.96%

INV. 148.9

INV. 145.3

P.I. STA. 25+56.00
CONST. J-8 M.H.
TOP ELEV. 154.0

PROPOSED FINISH GRADE

PLAN

SURVEYED		
NOTE BOOK	PLOTTED	
NO.	ALIGNMENT CHECKED	
PAGE	ELEV. OF MAN CHECKED	
NO.	STRUCTURE DATA CHECKED	

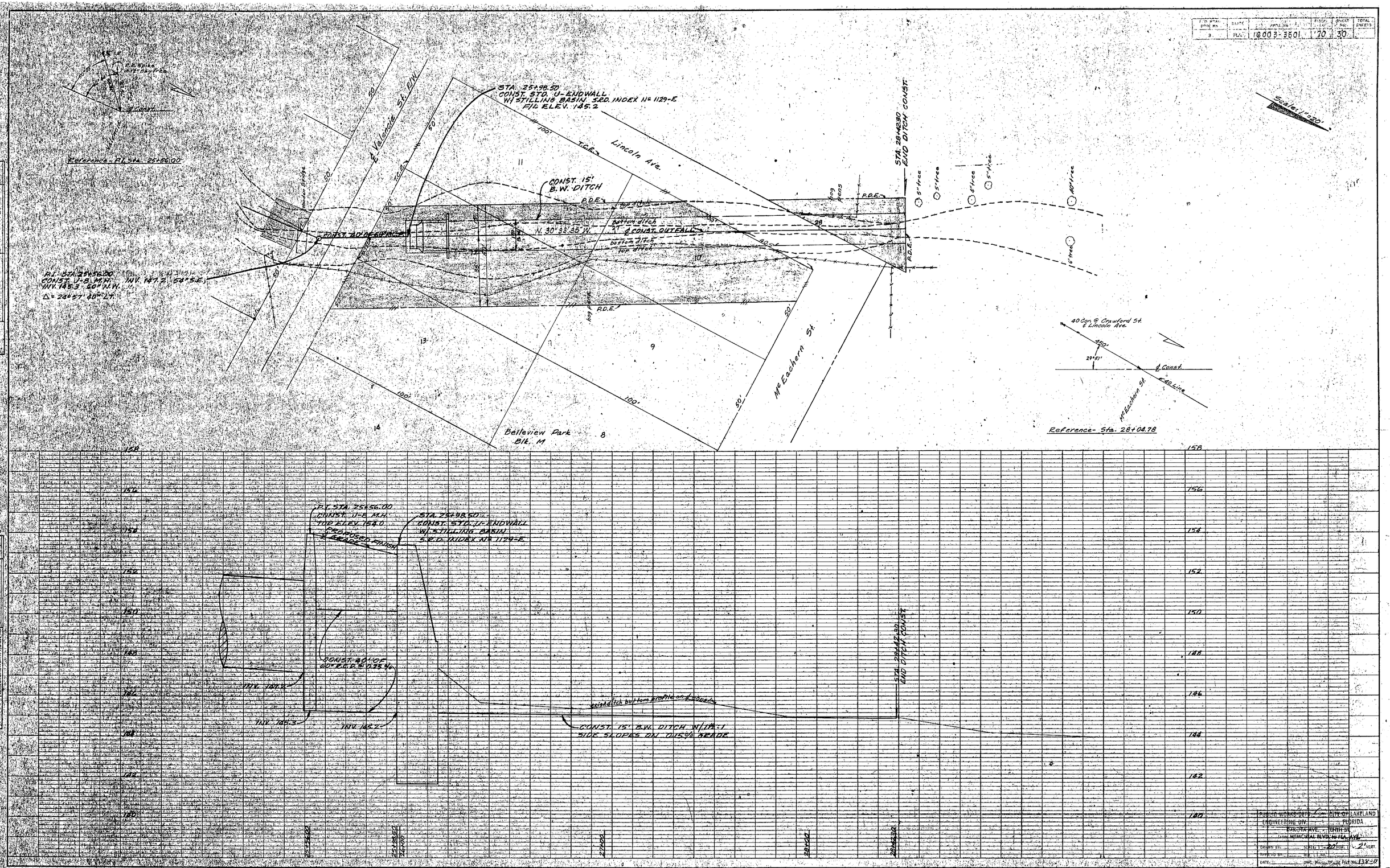
PROFILE

SURVEYED		
NOTE BOOK	PLOTTED	
NO.	GRADES CHECKED	
PAGE	STRUCTURE DATA CHECKED	
NO.		

PUBLIC WORKS DEPT. — CITY OF LAKELAND, FLORIDA
ENGINEERING DIV.
MEKUTA AVE. & JENKINS ST.
from MEMORIAL BLVD. to LAKE AVE.
DRAWN BY: SCALE: 1" = 20' HOR. 1" = 2' VERT.
APPD. BY: DATE: SHEET 1 OF 1 SHEETS
DATE: DOWN MAP BY: DATE: 1972

K+E PLATE 1; PLAN-PROFILE KEUFFEL & ESSER CO.

FED. ROAD DIVN. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	FLA.	16003-3601	'70	30	



PLAN — NOTE BOOK NO. — SURVEYED — PLOTTED — ALIGNMENT CHECKED — BY — DATE

PROFILE — NOTE BOOK NO. — SURVEYED — PLOTTED — GRADES CHECKED — BY — DATE — STRUCTURE NOTATIONS CHKD.

PUBLIC WORKS DEPT. — CITY OF LAKELAND
ENGINEERING DIV. — FLORIDA
DAKOTA AVE. — TENTH ST.
from MEMORIAL BLVD. to FLA. AVE.
DRAWN BY: — SCALE: 1" = 20' HOR. 1" = 2' VERT.
APPROVED BY: — REF. L.L. No.
DATE: — DWG. No. — OF — FILE No. 138-11

K+E PLATE 1, PLAN-PROFILE
KEUFFEL & ESSER CO.

OUTFALL