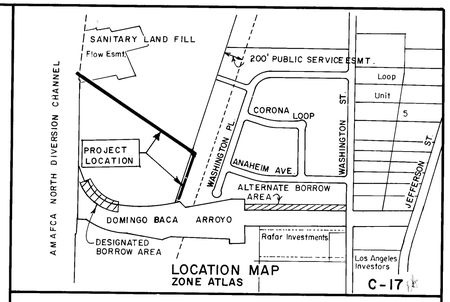
CLIFFORD OUTFALL

ACROSS CITY OF ALBUQUERQUE LAND FILL SITE



INDEX

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CROSS SECTION—CLIFFORD CHANNEL	10 & 11

NOTICE TO CONTRACTORS

1. All work detailed on these plans to be performed under contract shall, except as otherwise stated or provided for hereon, be constructed in accordance with the New Mexico Standard Specifications for Public Works Construction 1979-Edition (referred to herein as the Standard Specifications) and the Contract Documents for Public Works Contract 85-3.
2. Two (2) working days prior to any excavation, the contractor must contact Line Locating Service, 765-1234 for location of existing utilities.
3. Prior to construction, the contractor shall excavate and verify the horizontal and vertical locations of all obstructions. Should a conflict exist, the contractor shall notify the engineer or surveyor so that the conflict can be resolved with minimum amount of delay.
4. Work on A.M.A.F.C.A. R.O.W. must be in compliance with sequence of construction shown on sheet 6.

THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

- ☐ All utilities and utility service lines shall be installed prior to paving.
- ☐ Backfill compaction shall be according to specified street use.
- ☐ Tack coat requirements shall be determined by the City Engineer.
- ☐ Sidewalks and wheelchair ramps within the curb returns shall be constructed wherever a new curb return is constructed.
- ☐ If curb is depressed for a drivepad or a handicap ramp, the drivepad or ramp shall be constructed prior to acceptance of the curb and gutter.
- ☒ All storm drainage facilities shall be completed prior to final acceptance.

W. J. McNamara
9-3-85

REV.	SHEETS	CITY ENGR.	DATE	USER DEPT.	DATE	USER DEPT.	DATE
2	5,6	MROhm for COS	6/14/85				
1	2,6,7	MROhm for COS	6/14/85				

APPROVAL OF REVISIONS

26 18960185

MROhm 4-9-85

CITY OF ALBUQUERQUE

APPROVED FOR CONSTRUCTION

C. W. Lindquist 4/9/85

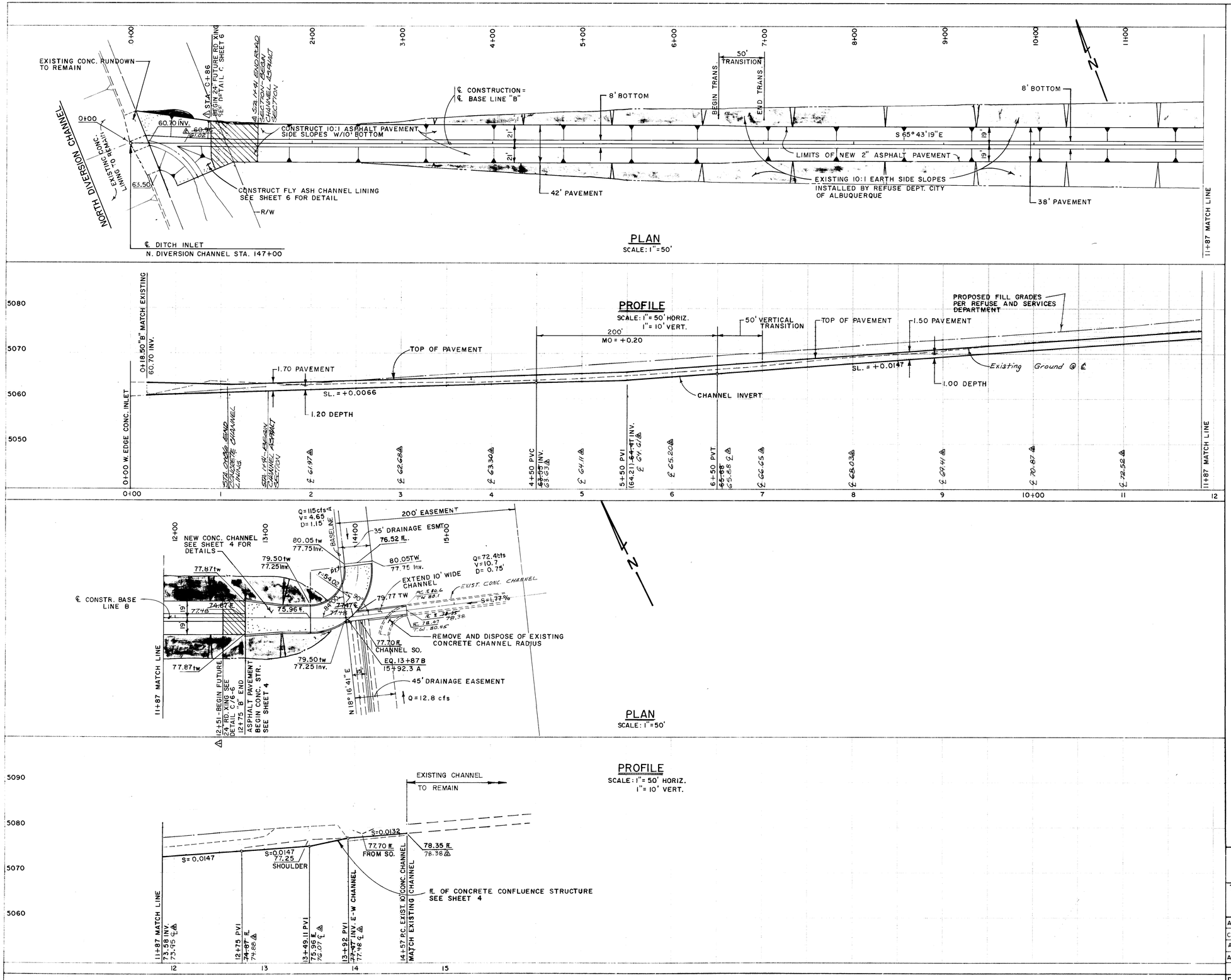
CITY ENGINEER DATE

DRAWING NO. 1896

SHEET 1 OF 11

1896

1896



1. FLOW CHARACTERISTICS BETWEEN STA. 5+50 AND 12+75
   Q = 174 c.f.s.; V_n = 7.4 fps.
   Dn = 1.19 ft.
   Fr. No = 1.51
2. FLOW CHARACTERERISTICS BETWEEN STA. 1+10 TO 5+50
   Q = 174 cfs
   Dn = 1.42 ft
   Vn = 5.5 fps
   Fr. No. = 1.04

⚠ ADD 24' WIDE FUTURE ROAD XING – SEE DETAIL C SHEET 6

AS BUILT INFORMATION
CONTRACTOR WILLIE CORPORATION
WORK STAKED BY
AS-BUILT CHECKED BY T. ORTIZ DATE 8-22-85
FIELD VERIFICATION BY DATE
DRAFTING CORRECTED BY E. NEZ DATE 8-22-85
MICRO-FILM INFORMATION
RECORDED BY DATE
NO

BENCH MARKS
ALAMEDA ROAD & PIONEER PLACE
C.B.M. REL. EAST OF C.L. ELEVATION 5085.56
LINE EASEMENT

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
MISC. NV	P. Aguilar	9-13-84

ENGINEER'S SEAL
4/9/85

NO	DATE	REMARKS	BY
⚠	4/17/85	SEE ⚠ NOTE	A.H.
⚠	8-29-85	REVISIONS PER AS-BUILT DRAWING	ENJ

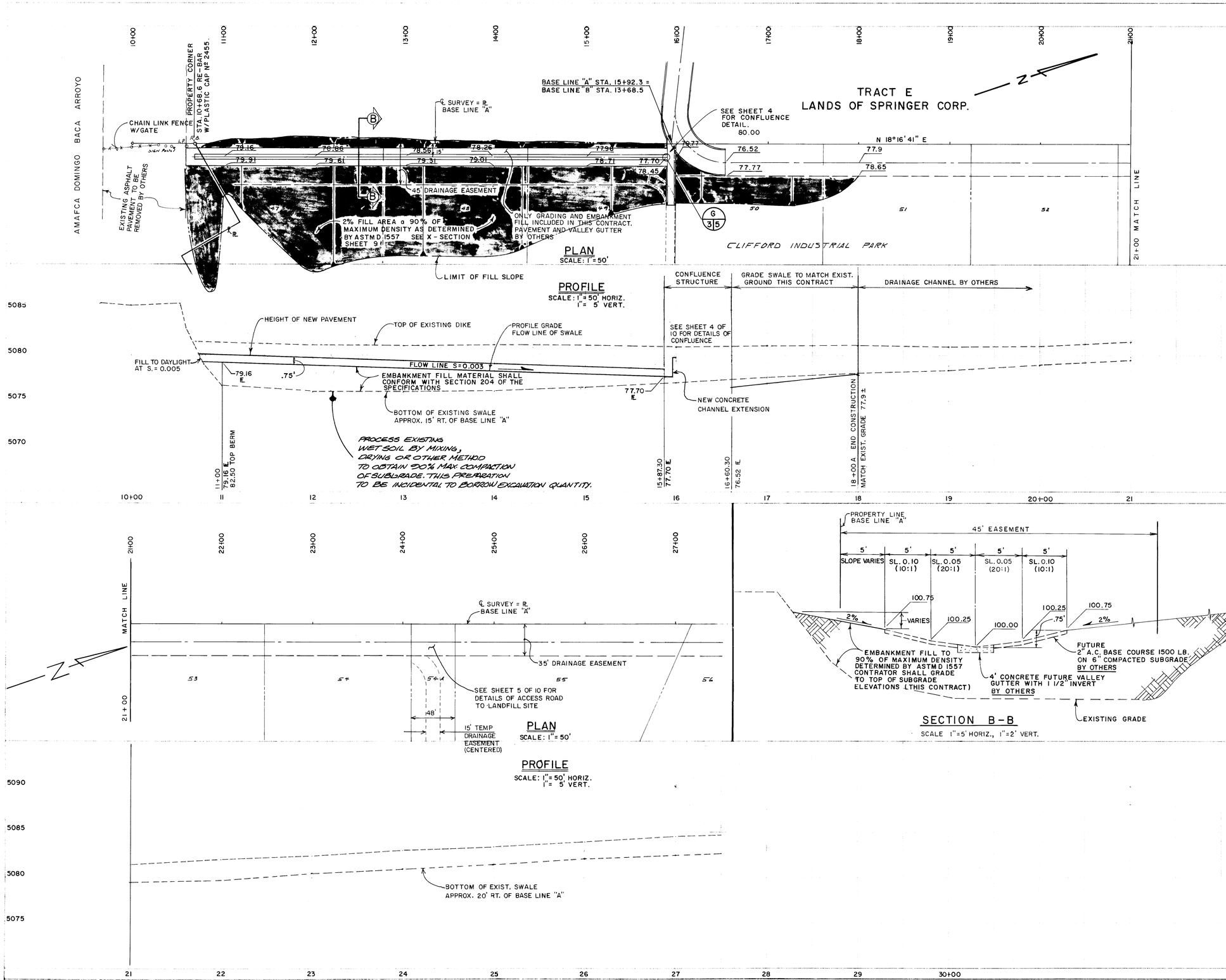
REVISIONS
DESIGN
DESIGNED BY RICHARD LOVATO DATE
DRAWN BY TONY SANCHEZ DATE
CHECKED BY A.H. DATE

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: CLIFFORD OUTFALL
PLAN & PROFILE – OUTFALL CHANNEL

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	[illegible]	4/9/85	Liquid Waste	NA [illegible]	4/3/85
A C E - Design	[illegible]	4/9/85	Traffic	NA [illegible]	4/9/85
A C E - Hydrology	[illegible]	4/9/85	Water	NA [illegible]	4/3/85
AMAFCA	[illegible]	4/9/85			

DRAWING NO. 1896 | MAP NO. C-17 | SHEET 2 OF 11



NOTES:

SEE CROSS SECTIONS SHEET 9 OF 10 FOR LIMITS OF EMBANKMENT FILL.

ASPHALT PAVING OF SWALE AND VALLEY GUTTER TO BE DONE BY OTHERS.

EMBANKMENT FILL TO 90% OF MAXIMUM DENSITY TO GRADES SHOWN THIS CONTRACT.

26 189.033

AS BUILT INFORMATION — MICRO-FILM INFORMATION

BENCH MARKS — ELEVATION 5086.56

SURVEY INFORMATION — FIELD NOTES — NO — BY — DATE

ENGINEER'S SEAL

REVISIONS — NO — DATE — REMARKS — BY

DESIGN — DESIGNED BY RICHARD LOVATO — DRAWN BY TONY SANCHEZ — CHECKED BY A.K.

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: CLIFFORD OUTFALL
PLAN & PROFILE - CLIFFORD CHANNEL

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		4/3/85	Liquid Waste	NA	4/3/85
A.C.E. - Design		4/3/85	Traffic	NA	4/3/85
A.C.E. - Hydrology		4/3/85	Water	NA	4/3/85

DRAWING NO 1896 — MAP NO C-17 — SHEET 3 OF 11

LEGEND

— — — EXISTING CONTOURS

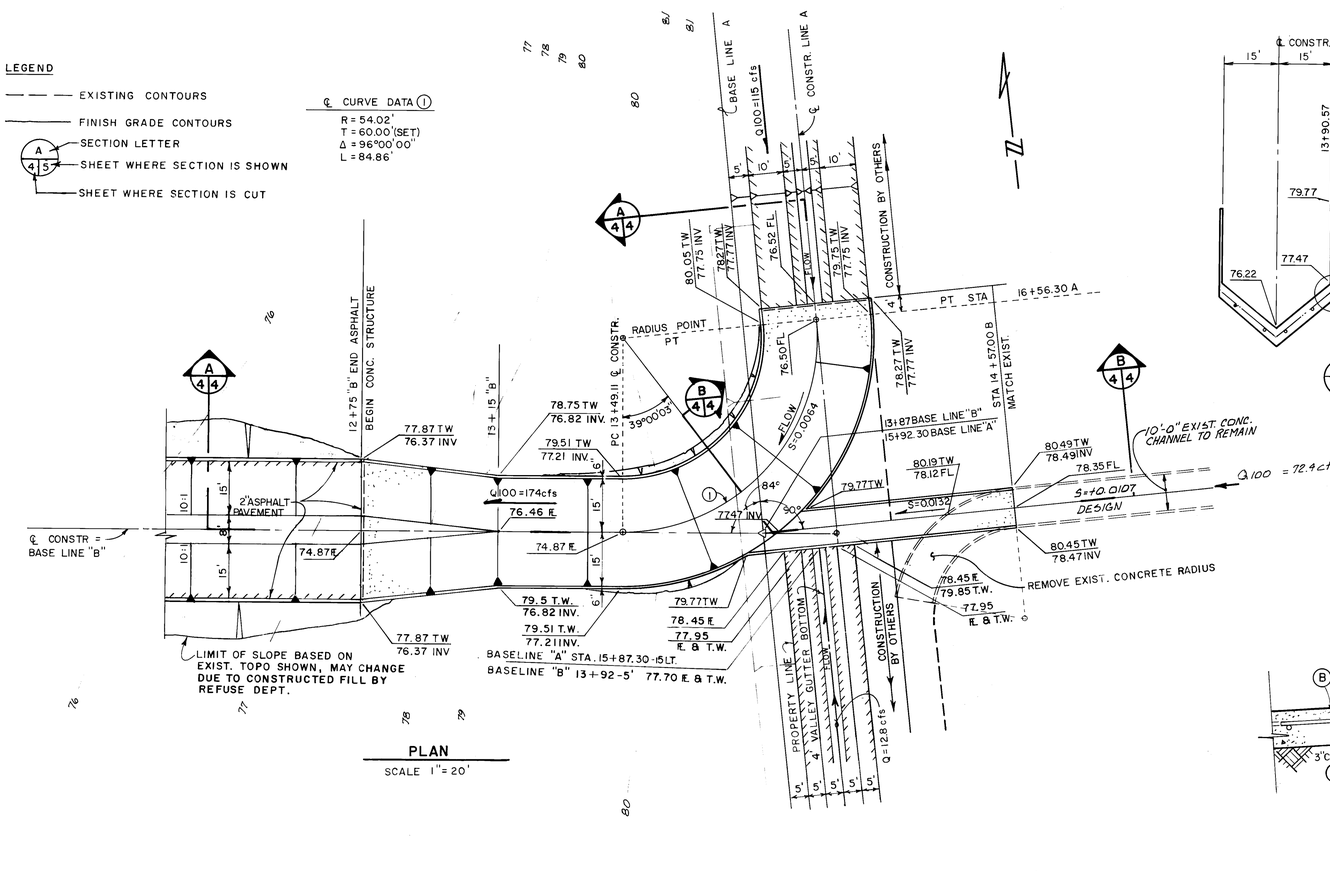
——— FINISH GRADE CONTOURS

A / 4 5 — SECTION LETTER / SHEET WHERE SECTION IS SHOWN

SHEET WHERE SECTION IS CUT

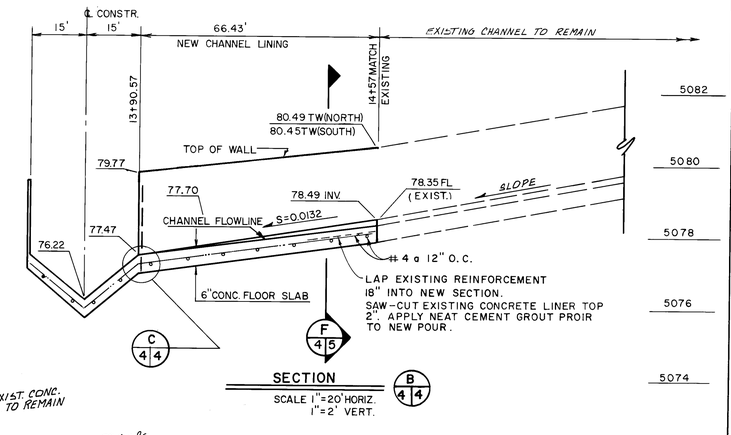
℄ CURVE DATA (1)

R = 54.02'
T = 60.00' (SET)
Δ = 96°00'00"
L = 84.86'



PLAN

SCALE 1" = 20'



SECTION

SCALE 1" = 20' HORIZ.
1" = 2' VERT.

KEYED NOTES

(A) 6" COMPACTED SUBGRADE @ 95% MAX DENSITY AS DETERMINED BY ASTM D 1557.

(B) 6" THICK PORTLAND CEMENT FLY-ASH CONCRETE CHANNEL LINING.

(C) TIE STEEL AS SHOWN: # 4 @ 12" PARALLEL TO CHANNEL ℄.

(D) BEND DIAMETER OF 3" FOR Nº 4 REBARS.

(E) 1/4" POLYETHYLENE BEARING PLATE LOW DENSITY.

(F) Nº 4 REBARS AT 12" O.C. TRANVERS.

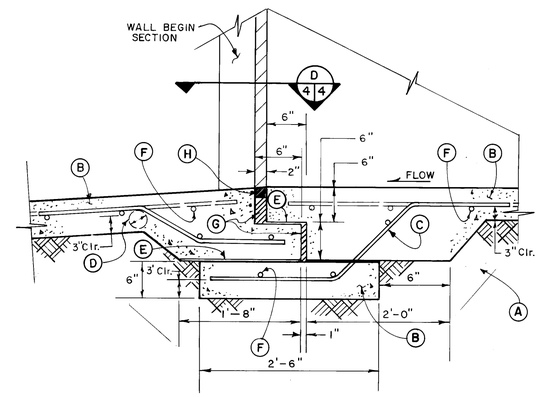
(G) PLACE FOAM POLYETHYLENE FILLER (PLASTAZOTE OR ENGINEER APPROVED EQUEL (E.A.E). DO NOT ANCHOR W/NAILS KEEP FILLER FLAT AGAINST POURED CONCRETE SECTION WITH FRESH CONCRETE WHEN POURING UPSTREAM SECTION.

(H) APPLY 2 COMPONENT EPOXY BONDER TO BOTH SIDES EVA-POX BONDER OR EQUAL AND IMMEDIATELY INSTALL ETHYLENE VINYL OCETATE COAT SEALANT DIMENSION OF SEALANT PRIOR TO INSTALLATION SHALL BE 2 1/2" WIDE X 2" DEEP.

(J) 3" X 2" POLYETHYLENE FILLER PLASTAZOTE, OR (E.A.E.)

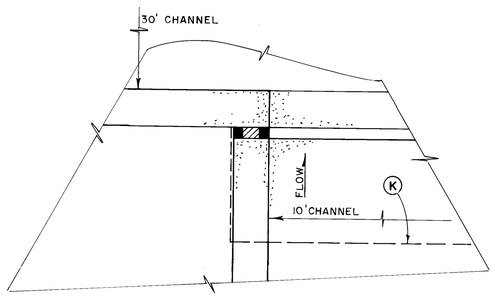
(I) 1 1/2" DEEP X 2 1/2" PLASTAZOTE EVA-SEAL OR (E.A.E.) BONDED IN PLACE WITH 2 COMPONENT EPOXY BONDER TO BOTH SIDES.

(K) LIMIT OF SLEEPER SLAB.



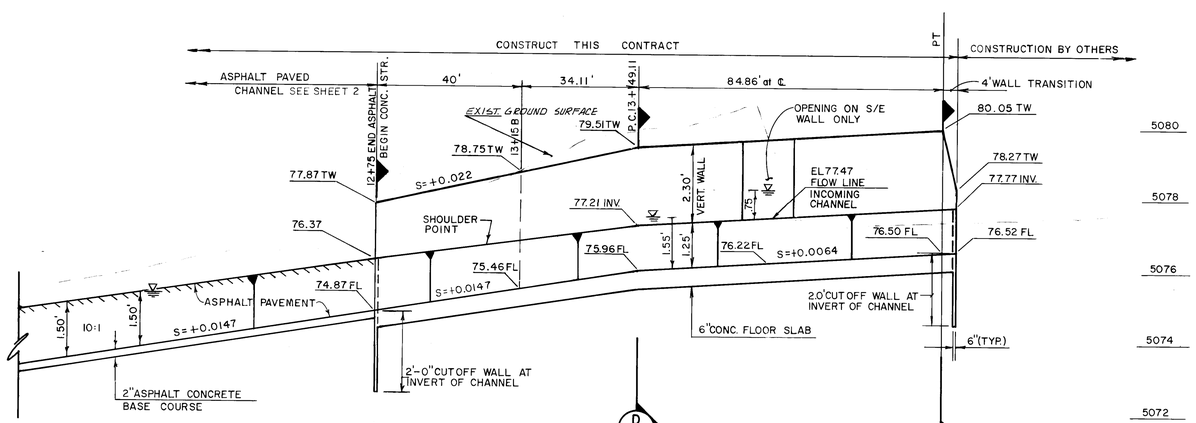
CHANNEL FLOOR JUNCTION DETAIL

SCALE 1" = 1' HORIZ. & VERT.



WALL JUNCTION DETAIL

SCALE: 1" = 1' HORIZ. & VERT.



SECTION @ ℄

SCALE 1" = 20' HORIZ.
1" = 2' VERT.

26. 1846048.5

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN

DESIGNED BY Richard Lovato DATE 1984
DRAWN BY A. Salas & T. SANCHEZ DATE 1984
CHECKED BY Richard Lovato DATE 1984

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
MISC III	P. AGUIAR	6-19-84

AS BUILT INFORMATION

CONTRACTOR W.V. LINE CORPORATION DATE
WORK STAKED BY INSPECTORS DATE
AS BUILT CHANGES BY T. OCTTE DATE 8-8-85
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY E. NEZ DATE 8-28-85

BENCH MARKS

C.B.M. 24' EAST OF C&G ALAMEDA ROAD & POWER LINE EASEMENT.
ELEV. 5095.56

MICRO-FILM INFORMATION

RECORDED BY DATE
NO.

ENGINEER'S SEAL

Aug 9-85

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

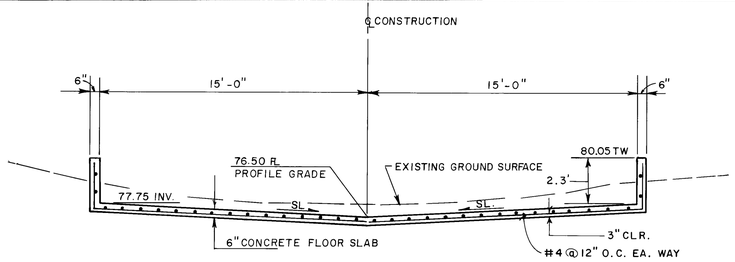
TITLE: CLIFFORD OUTFALL
CONFLUENCE STRUCTURE—PLAN & DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	[illegible]	4/3/85	Liquid Waste	NA [illegible]	4/3/85
A.C.E.-Design	[illegible]	4/9/85	Traffic	NA [illegible]	4/10/85
A.C.E.-Hydrology	[illegible]	4/9/85	Water	NA [illegible]	4/3/85

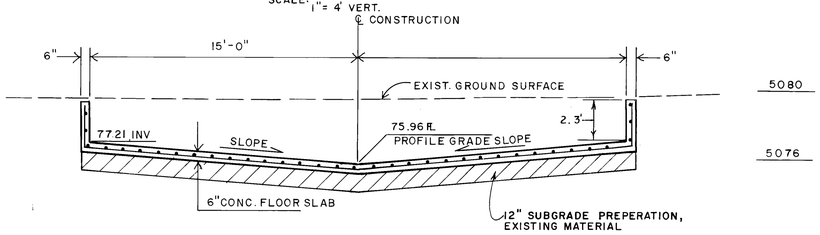
DRAWING NO.	MAP NO.	SHEET	OF
1896	C-17	4	11

1896

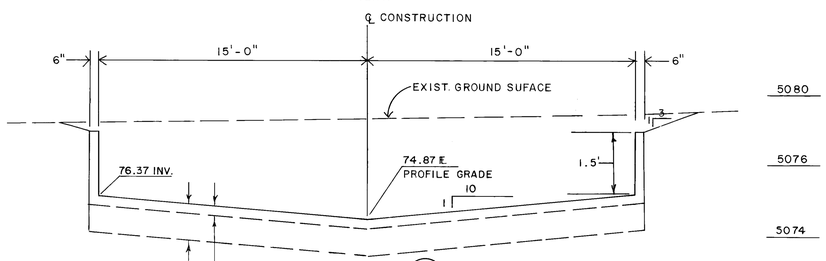
1896



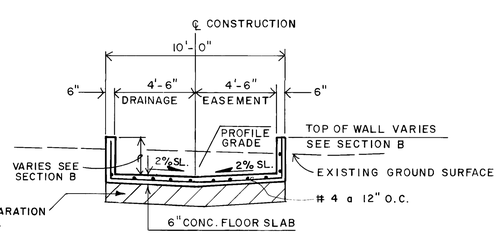
SECTION C/4 5
SCALE: 1"=40' HORIZ.
1"= 4' VERT.



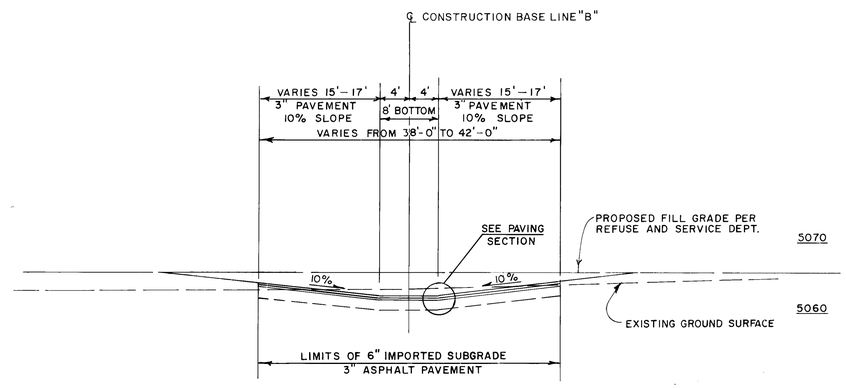
SECTION D/4 5
SCALE: 1"=40' HORIZ.
1"= 4' VERT.



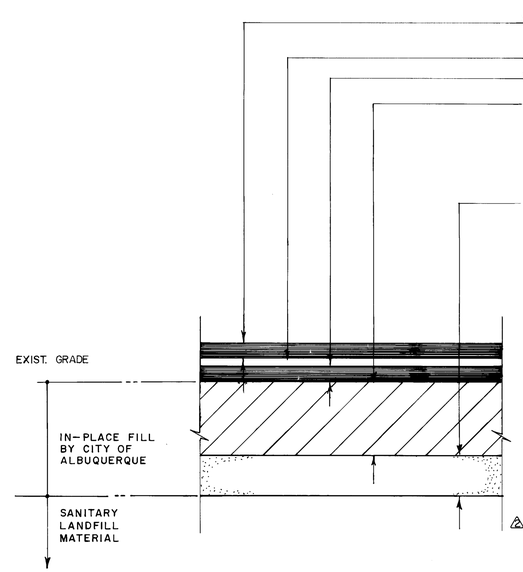
SECTION E/4 5
SCALE: 1"= 40' HORIZ.
1"= 4' VERT.



SECTION F/4 5
SCALE: 1"= 40' HORIZ.
1"= 4' VERT.



TYPICAL SECTION
OUTFALL CHANNEL
SCALE: 1"=10' HORIZ.
1"=10' VERT.



★ 1 1/2 CHANNEL ASPHALT - 1000 LB. STABILITY W/OFFSET PAVING "JOINTS".

★★ PAVING FABRIC W/ TACK COAT.

★ 1 1/2" CHANNEL ASPHALT - 1000 LB. STABILITY.

★★★ 12" SUBGRADE PREPARATION ; WITH EXIST. MATERIAL COMPACTED TO 95% MAXIMUM DENSITY AS DETERMINED BY ASTM D1557.

9" EXISTING MATERIAL ABOVE LANDFILL.

★ SECTION 115.04 OF THE SUPPLEMENTAL TECHNICAL SPECIFICATIONS FOR ASPHALT MIX REQUIREMENTS ARE REVISED TO READ, BY ADDING: CHANNEL ASPHALT

1. STABILITY (Marshall – 75 Blows / Face) ____ 1000
2. PER-CENT VOIDS _____ SHALL NOT EXCEED 4%
3. PER-CENT ASPHALT CEMENT _____ 6.5 - 9.0
4. COMPACTION % OF LAB DENSITY _____ 95% MIN.

PROPOSED MIX DESIGN SHALL BE SUBMITTED TO TO THE CITY ENGINEER'S OFFICE FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.

★★ PAVING FABRIC SHALL CONFORM WITH SECTION 413.01 THRU 413.03.11 OF THE 1984 EDITION OF THE NEW MEXICO STATE HIGHWAY DEPARTMENT – STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. SAID SECTIONS TO BE INCORPORATED INTO THESE CONTRACT DOCUMENT BY THIS REFERENCE. MEASUREMENT PAYMENT SHALL CONFORM AS SET FORTH IN THE BID PROPOSAL.

△2 ★★★ PLAN CORRECTION TO MATCH BID PROPOSAL. 5/30/85

PAVING SECTION
SCALE: 1"=10'

GENERAL NOTES FOR CHANNEL LINING

1. CONCRETE CONFORM TO SECTION 555 OF TECHNICAL SPECIFICATIONS
2. PROVIDE 3" CONCRETE COVER FOR REINFORCEMENT BARS CAST AGAINST EARTH.
3. PROVIDE MINIMUM 1 1/2" CONCRETE COVER FOR REINFORCEMENT BARS AT ALL OTHER LOCATIONS.
4. MINIMUM BEND DIAMETER OF BENDS FOR REINFORCEMENT BARS SHALL BE 6" BAR DIAMETERS.

26 18960585

AS BUILT INFORMATION
NOTES: A. ON FILE WITH INSPECTOR "A" WYLIE CORPORATION.
AS-BUILT CHANGE BY T. ORTIZ DATE 8-25-85
CERTIFICATION BY DATE
DRAWINGS CORRECTED BY S. MEN DATE 8-25-85
MICRO-FILM INFORMATION
RECORDED BY DATE
NO

BENCH MARKS
C.B.M. 24 EAST OF C & G. ALAMEDA ROAD & POWER LINE EASEMENT.
ELEVATION 5285.56

SURVEY INFORMATION
FIELD NOTES
NO. BK. PG. BY DATE
P. AQUIAR 9-13-84

ENGINEER'S SEAL
4/9/85

A.H.

NO.	DATE	REMARKS	BY
△2	5-30-85	SEE ★★★ NOTE	A.H.

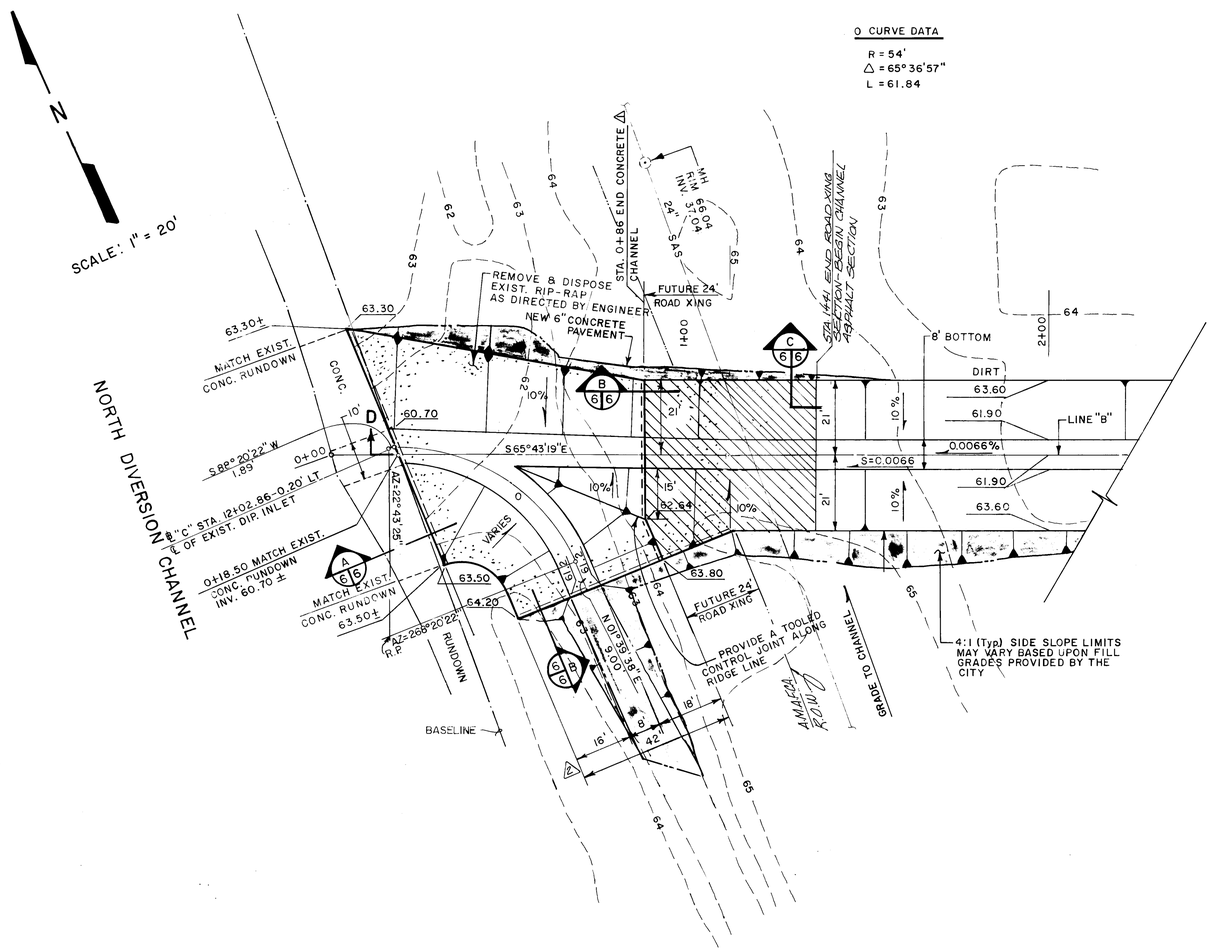
REVISIONS
DESIGN
DESIGNED BY RICHARD LOVATO DATE
DRAWN BY TONY SANCHEZ DATE
CHECKED BY A.H. DATE

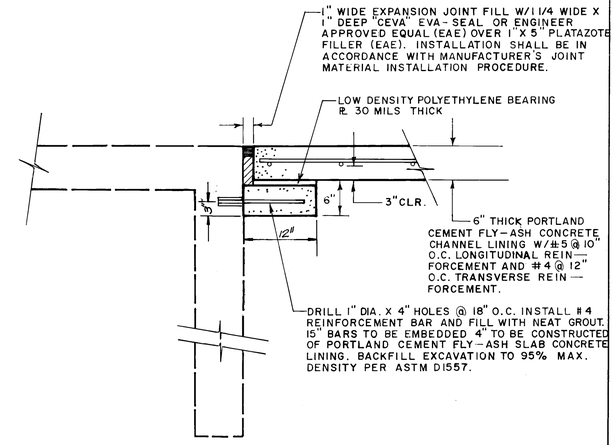
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: CLIFFORD OUTFALL
MISCELLANEOUS DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	[signature]	4/9/85	Liquid Waste	NA [signature]	4/3/85
A.C.E. - Design	[signature]	4/9/85	Traffic	NA [signature]	4/5/85
A.C.E. - Hydrology	[signature]	4/9/85	Water	NA [signature]	4/3/85

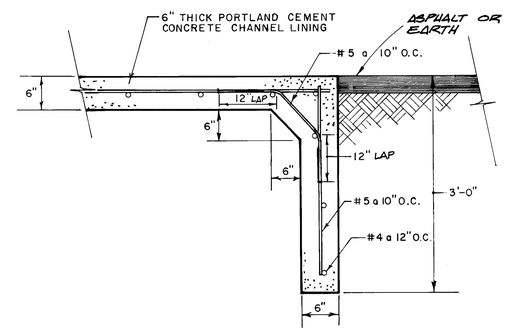
DRAWING NO.	MAP NO.	SHEET	OF
1896	C-17	5	11





CHANNEL LINING TO DIP JOINT DETAIL (A 6/6)

SCALE: 1"=1'-0"

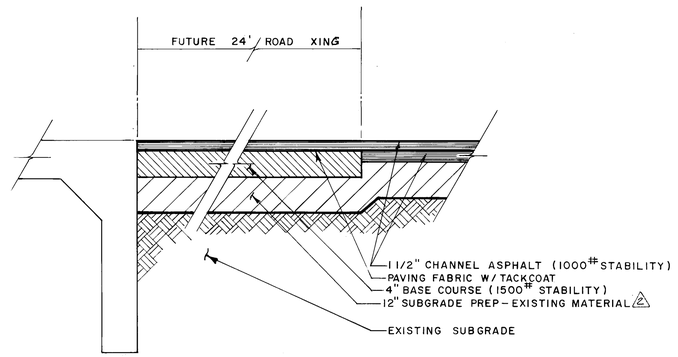


CHANNEL CUT-OFF WALL (B 6/6)

SCALE: 1"=1'-0"

△ NOTE

PLAN CORRECTION AND CLARIFICATION ON 5/30/85.
ADDED SUPPLEMENTAL DIMENSION TO CONCRETE STRUCTURE FOR SURVEYORS.
REVISED ROAD CROSS-SECTION TO MATCH BID PROPOSAL.



△1 ROAD CROSSING SECTION (C 6/6)

SCALE: 1"=1'-0"

△1 REVISION: REDUCED CONCRETE SLOPE PAVEMENT AND REPLACED WITH ASPHALT SECTION TO ACCOMADATE TRAFFIC. ADDED SECTION C/66.

CONSTRUCTION SEQUENCE:

1. UPON NOTICE TO PROCEED WORK REQUIRED IN AMAFCA R.O.W. SHALL BEGIN AND BE COMPLETED PRIOR TO JUNE 15, 1985. NOTIFY AMAFCA @ 884-2215 ONE WEEK PRIOR TO CONSTRUCTION.
2. ASPHALT CHANNEL LINING SHALL BE THE SECOND PORTION.
3. THE CONFLUENCE LOCATED IN THE CLIFFORD INDUSTRIAL PARK SUBDIVISION SHALL BE COMPLETED AS PORTION 3 OF THIS CONTRACT. THE EXISTING BERM SHALL NOT BE BREACHED IN ANY WAY UNTIL THE OUTFALL ASPHALT CHANNEL AND THE AMAFCA CONCRETE INLET IS COMPLETE.
4. OTHER WORK REQUIRED SHALL BE COMPLETED AS REQUIRED IN THE REMAINING TIME SPECIFIED IN THE BID PROPOSAL.

26 1896 0685

AS BUILT INFORMATION

CONTRACTOR	WYLIE CORPORATION	DATE
WORK INSPECTOR		
ACCEPTANCE BY	T. OGLE	DATE 8-3-85
FIELD VERIFICATION BY		DATE
DRAWINGS CORRECT BY	S. MEZ.	DATE 8-28-85

MICRO-FILM INFORMATION

RECORDED BY	DATE
NO	

BENCH MARKS

L.B.M. 2½" EAST OF C. G. ALAMEDA ROAD

POWER LINE EASEMENT

ELEVATION 5085.56

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
MISC. III	P. AGUIAR	9-18-84

ENGINEER'S SEAL

A.H. 4/9/85

NO.	DATE	REMARKS	BY
△1	4/17/85	SEE COMMENT	A.H.
△2	5-30-85	SEE NOTE △2	

REVISIONS

DESIGN

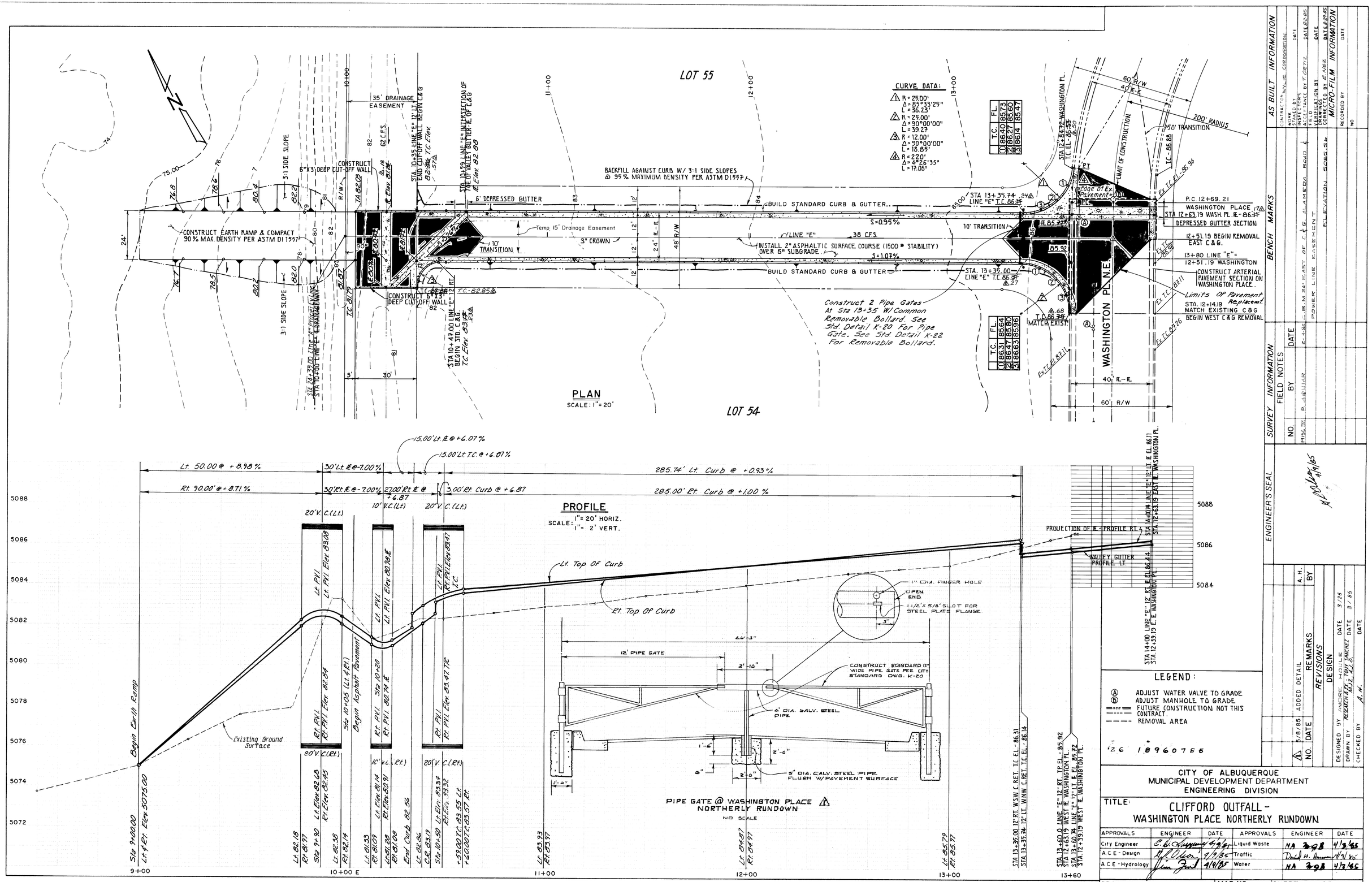
DESIGNED BY ANDRE HOULE DATE
DRAWN BY TONY SANCHEZ DATE
CHECKED BY A.H. DATE

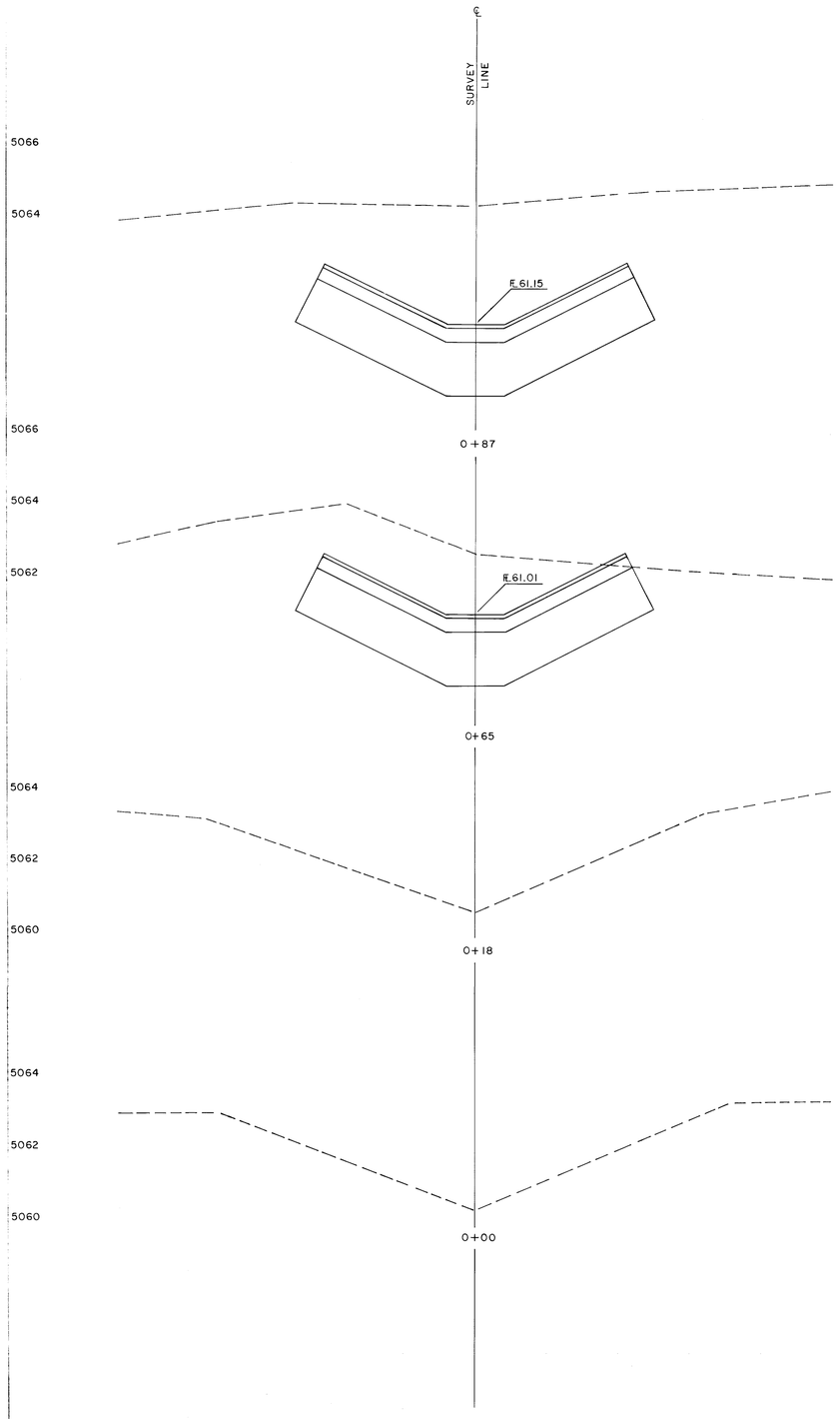
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

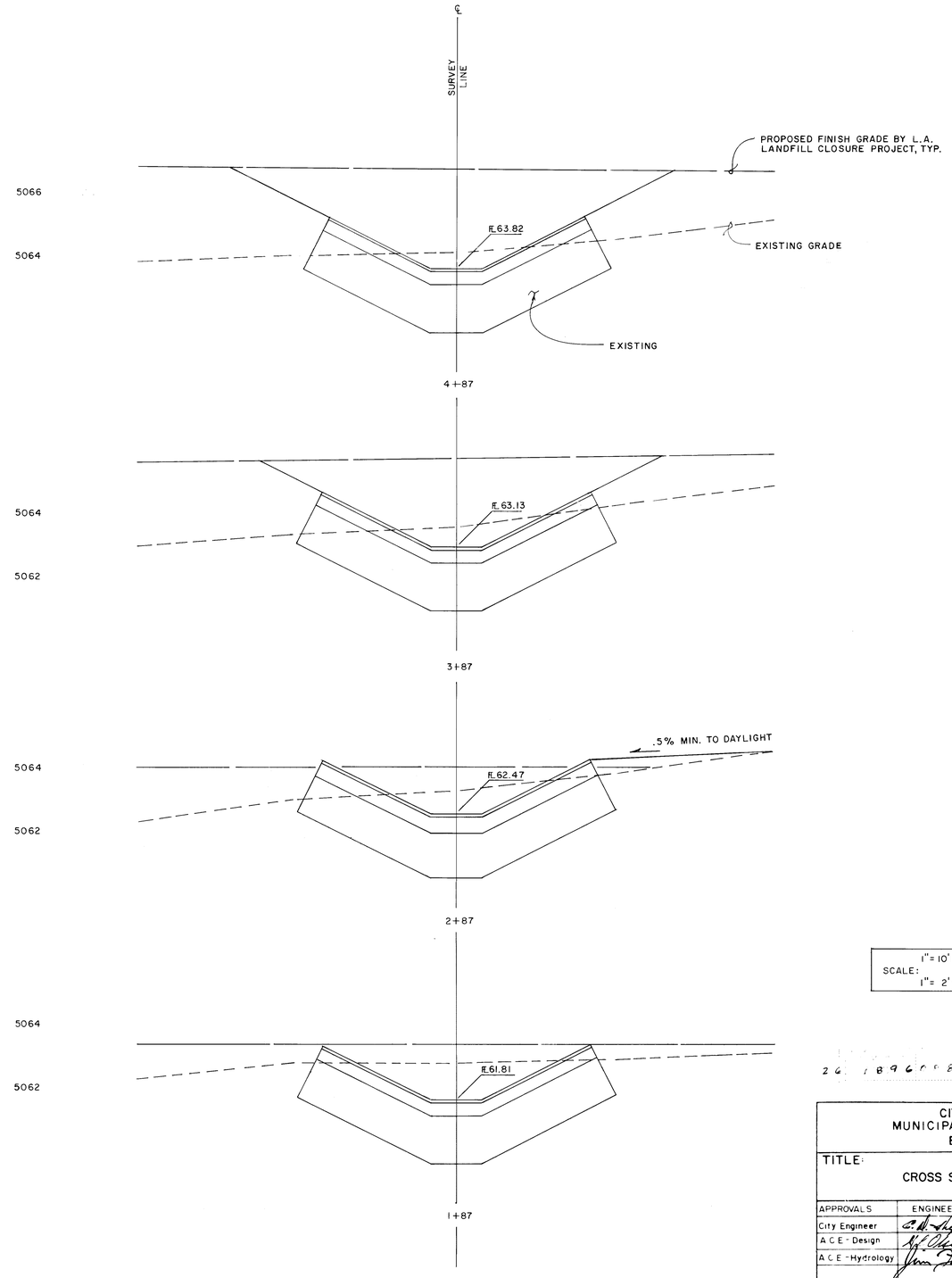
TITLE: CONNECTION TO INLET STRUCTURE AT NORTH DIVERSION CHANNEL

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	C.J. Thomas	4/9/85	Liquid Waste	NA	4/3/85
A C E - Design	H.R. Olson	4/9/85	Traffic	NA	4/3/85
A C E - Hydrology	Jim Zick	4/9/85	Water	NA	4/3/85
AMAFCA	Larry Blair	4/9/85			

DRAWING NO.	MAP NO.	SHEET	OF
1896	C-17	6	11


LOT 55
LOT 54
CURVE DATA:
△1 R = 25.00' Δ = 89°33'25" L = 36.23'
△2 R = 25.00' Δ = 90°00'00" L = 39.27
△3 R = 12.00' Δ = 90°00'00" L = 18.85'
△4 R = 220.0' Δ = 4°26'35" L = 17.05'
T.C. FL.
1 86.40 85.73
2 86.27 85.60
3 86.14 85.47
T.C. FL.
1 86.31 85.64
2 86.47 85.80
3 86.63 85.96
CONSTRUCT EARTH RAMP & COMPACT 90% MAX. DENSITY PER ASTM D1557
CONSTRUCT 6"X3' DEEP CUT-OFF WALL
35' DRAINAGE EASEMENT
62 C.F.S.
3:1 SIDE SLOPE
6' DEPRESSED GUTTER
BACKFILL AGAINST CURB W/ 3:1 SIDE SLOPES @ 95% MAXIMUM DENSITY PER ASTM D1557
BUILD STANDARD CURB & GUTTER
S=0.95%
S=1.07%
Temp. 15' Drainage Easement
3" CROWN
10' TRANSITION
LINE "E"
38 C.F.S.
INSTALL 2" ASPHALTIC SURFACE COURSE (1500# STABILITY) OVER 6" SUBGRADE
48' R/W
24' R.-R.
Construct 2 Pipe Gates At Sta 13+35 W/ Common Removable Bollard. See Std. Detail K-20 For Pipe Gate. See Std. Detail K-22 For Removable Bollard.
STA. 13+35.74 LINE "E" T.C. 86.34
STA. 13+35.00 LINE "E" T.C. 86.34
STA 12+83.72 WASHINGTON PL. T.C. EL. 86.55
Edge of Ex. Pavement
LIMIT OF CONSTRUCTION
200' RADIUS
50' TRANSITION
P.C. 12+69.21 WASHINGTON PLACE
STA 12+63.19 WASH. PL. R.-R. 86.34
DEPRESSED GUTTER SECTION
12+51.19 BEGIN REMOVAL EAST C&G.
13+80 LINE "E" = 12+51.19 WASHINGTON
CONSTRUCT ARTERIAL PAVEMENT SECTION ON WASHINGTON PLACE.
Limits Of Pavement Replacement
STA. 12+14.19 MATCH EXISTING C&G
BEGIN WEST C&G REMOVAL
MATCH EXIST.
WASHINGTON PL. N.E.
40' R.-R.
60' R/W
STA 10+35 LINE "E" 12' LT. END CUT-OFF WALL BEGIN C&G
STA 10+51 LINE "E" INTERSECTION OF BEGIN CUT-OFF WALL & GUTTER R.-R. OF C&G
STA 10+47.00 LINE "E" BEGIN STD. C&G.
STA 24+37.00 LT. ℄ INTERSECTION STA 10+00 LINE "E" EXISTING CURB
PLAN
SCALE: 1" = 20'
PROFILE
SCALE: 1" = 20' HORIZ. 1" = 2' VERT.
Lt. 50.00 @ +8.98%
Rt. 90.00' @ +8.71%
30' Lt. R @ -7.00%
30' Rt. R @ -7.00%
15.00' Lt. R @ +6.07%
15.00' Lt. T.C. @ +6.07%
27.00' Rt. R @ +6.87
3.00' Rt. Curb @ +6.87
285.74' Lt. Curb @ +0.93%
285.00' Rt. Curb @ +1.00%
20' V.C. (Lt.)
10' V.C. (Lt.)
20' V.C. (Lt.)
20' V.C. (Rt.)
10' V.C. (Rt.)
20' V.C. (Rt.)
Lt. Top Of Curb
Rt. Top Of Curb
Begin Earth Ramp
Existing Ground Surface
Begin Asphalt Pavement
End Curb 82.56
PROJECTION OF R.-PROFILE RT. 4
VALLEY GUTTER PROFILE LT.
STA 14+00 LINE "E" 12' RT. R.-R. EL. 86.44
STA 12+39.19 E. R. WASHINGTON PL.
STA 14+00 LINE "E" 12' LT. R.-R. EL. 86.11
STA 12+63.19 EAST R. WASHINGTON PL.
5088
5086
5084
5082
5080
5078
5076
5074
5072
9+00
10+00 E
11+00
12+00
13+00
13+60
1" DIA. FINGER HOLE
OPEN END
1-1/2" X 5/8" SLOT FOR STEEL PLATE FLANGE
26'-3"
12' PIPE GATE
2'-10"
CONSTRUCT STANDARD 12' WIDE PIPE GATE PER CITY STANDARD DWG. K-20
4" DIA. GALV. STEEL PIPE
5" DIA. GALV. STEEL PIPE FLUSH W/ PAVEMENT SURFACE
PIPE GATE @ WASHINGTON PLACE △1
NORTHERLY RUNDOWN
NO SCALE
LEGEND:
Ⓐ ADJUST WATER VALVE TO GRADE
Ⓑ ADJUST MANHOLE TO GRADE
FUTURE CONSTRUCTION NOT THIS CONTRACT.
REMOVAL AREA
126 18960786
AS BUILT INFORMATION
CONTRACTOR: KYLE CORPORATION
WORK STAKED BY:
ACCEPTANCE BY T. DETTZ
DATE 8-2-85
FIELD CHECKED ON BY
DATE
DRAWINGS CORRECTED BY E. NEZ
DATE 8-28-85
MICRO-FILM INFORMATION
RECORDED BY
DATE
NO.
BENCH MARKS
B.M. 24 EAST OF C&G ALAMEDA ROAD &
POWER LINE EASEMENT
ELEVATION 5285.56
SURVEY INFORMATION
FIELD NOTES
NO. BY DATE
MISC. TP P. ALBUQUERQUE 8-4-85
ENGINEER'S SEAL
NO. DATE REMARKS BY
△ 5/8/85 ADDED DETAIL A.H.
REVISIONS
DESIGNED BY ANDREW HERNANDEZ DATE 3/25
DRAWN BY REGINALD E. MARTINEZ DATE 3/85
CHECKED BY A.H.
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION
TITLE: CLIFFORD OUTFALL - WASHINGTON PLACE NORTHERLY RUNDOWN
APPROVALS ENGINEER DATE APPROVALS ENGINEER DATE
City Engineer 4/9/85 Liquid Waste NA 4/3/85
A.C.E.-Design 4/9/85 Traffic
A.C.E.-Hydrology 4/9/85 Water NA 4/3/85
DRAWING NO. 1896
MAP NO. C-17
SHEET 7 OF 11





SCALE: 1" = 10' HORIZ.
1" = 2' VERT.

26 1896 85

AS BUILT INFORMATION
CONTRACTOR WYLIE CORPORATION
WORK STAKED BY DATE
WORK INSPECTORS
ACCEPTANCE BY T. OSTIE DATE 8-2-85
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY E. NEZ DATE 8-25-85
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
C. B. M. 26. EAST OF C & G ALAMEDA RD.
℄ POWER LINE EASEMENT.
ELEVATION 5085.58

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
MISC. II	P. AGUIAR	9-15-84

ENGINEER'S SEAL
4/4/85

NO.	DATE	REMARKS	BY

REVISIONS

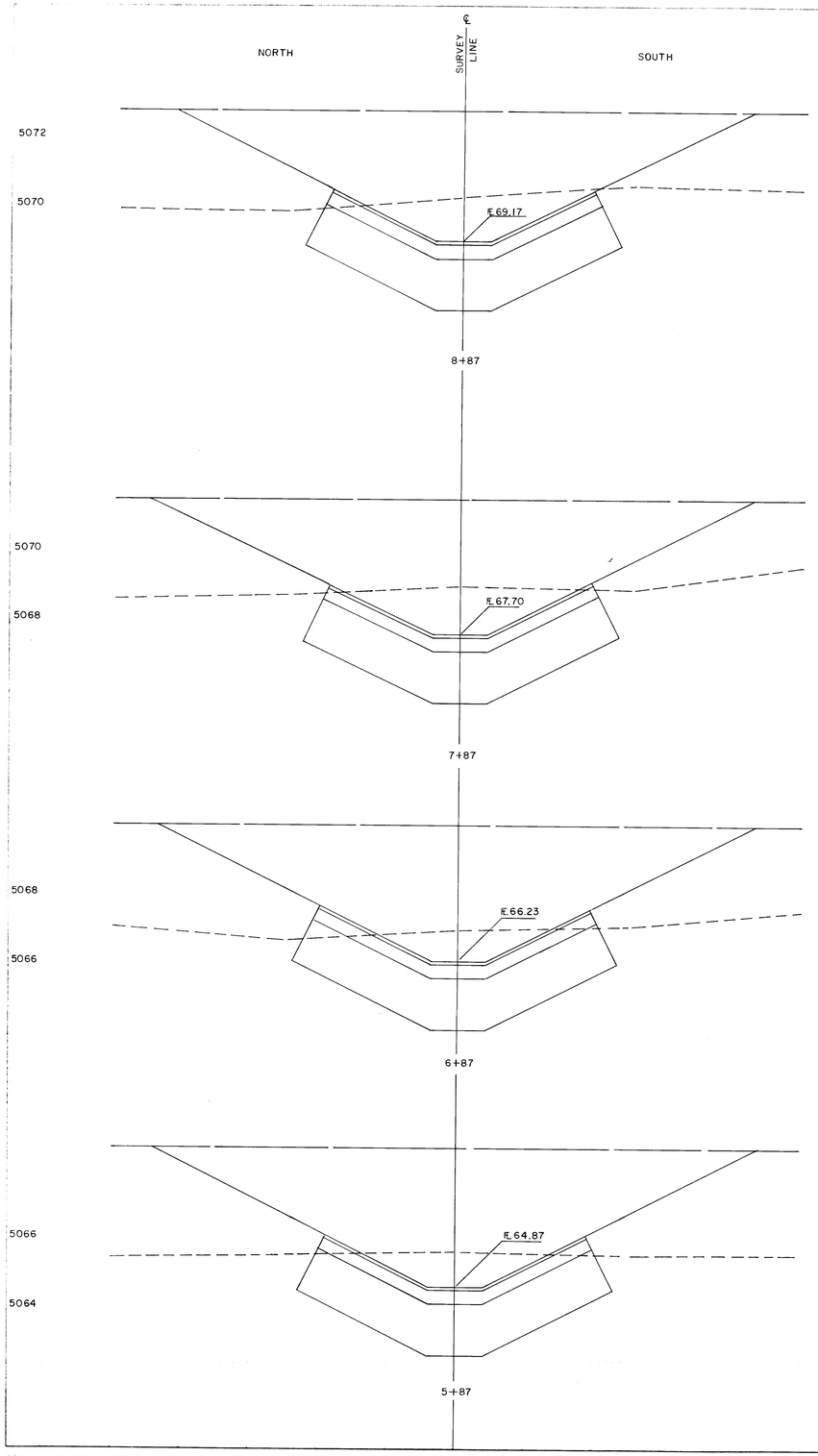
DESIGN
DESIGNED BY RICHARD LOVATO DATE
DRAWN BY TONY SANCHEZ DATE
CHECKED BY A.N. DATE

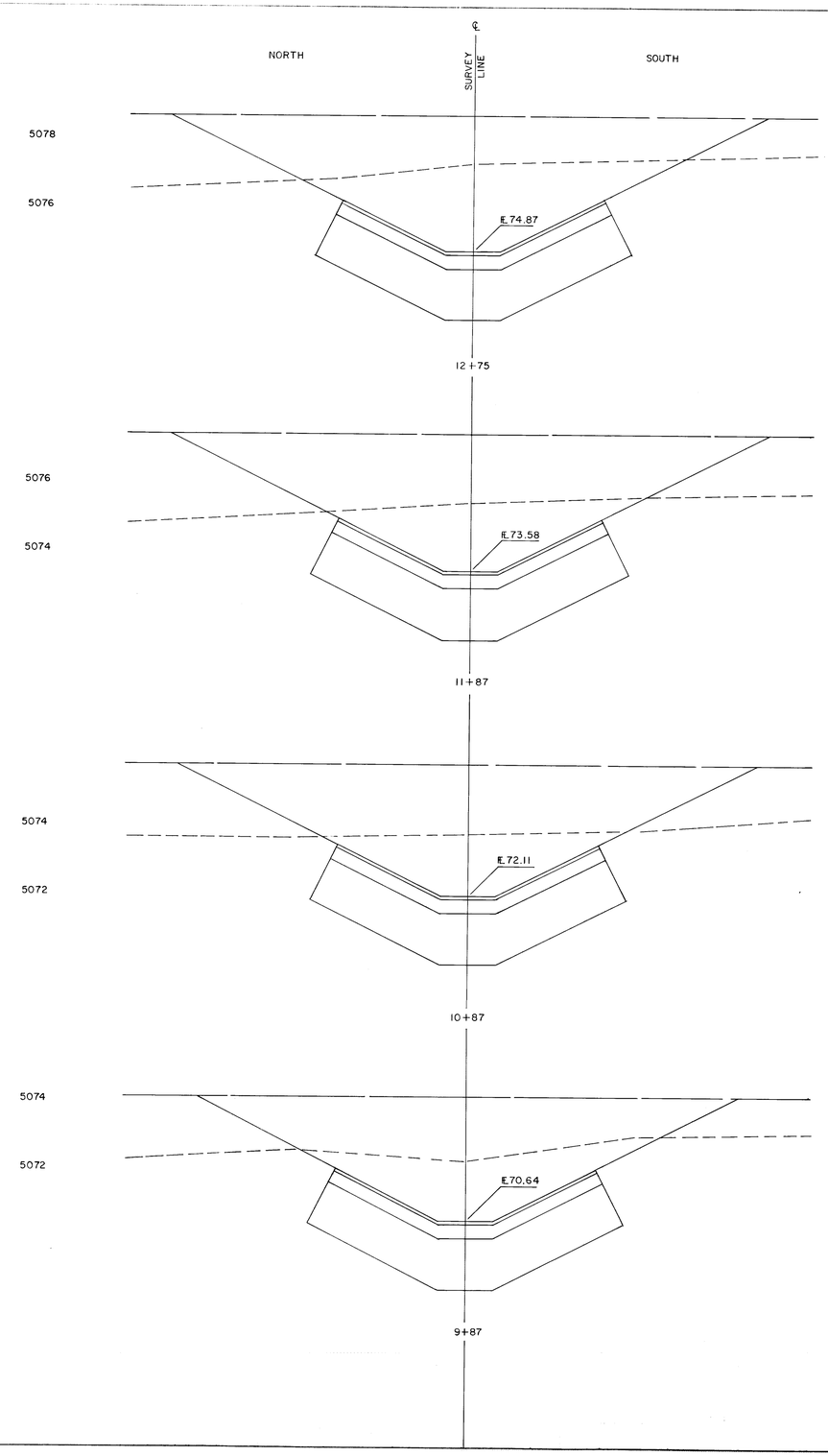
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: CLIFFORD OUTFALL
CROSS SECTIONS-OUTFALL CHANNEL

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	[illegible]	4/9/85	Liquid Waste	NA MGB	4/3/85
A.C.E.-Design	[illegible]	4/9/85	Traffic	NA DWH	4/3/85
A.C.E.-Hydrology	[illegible]	4/9/85	Water	NA MGB	4/3/85

DRAWING NO. 1896
SHEET 8 OF 11





SCALE:
1" = 10' HORIZ.
1" = 2' VERT.

2 6 1 8 4 6 0 4 8 5

AS BUILT INFORMATION
CONTRACTOR WYLIE CORPORATION
WORK STAKED BY DATE
INSPECTOR DATE
ACCEPTANCE BY T. ORTIZ DATE 8-2-85
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY E. LAZ. DATE 8-26-85
MICRO-FILM INFORMATION
RECORDED BY DATE
NO

BENCH MARKS
C.B.M. 24 EAST OF C.L. ALAMEDA ROAD
POWER LINE EASEMENT
ELEVATION 5085.54

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
M156	R. AGUIAR	9-19-84

ENGINEER'S SEAL

NO.	DATE	REVISIONS REMARKS	BY

DESIGN
DESIGNED BY RICHARD LOVATO DATE
DRAWN BY TONY SANCHEZ DATE
CHECKED BY A.K. DATE

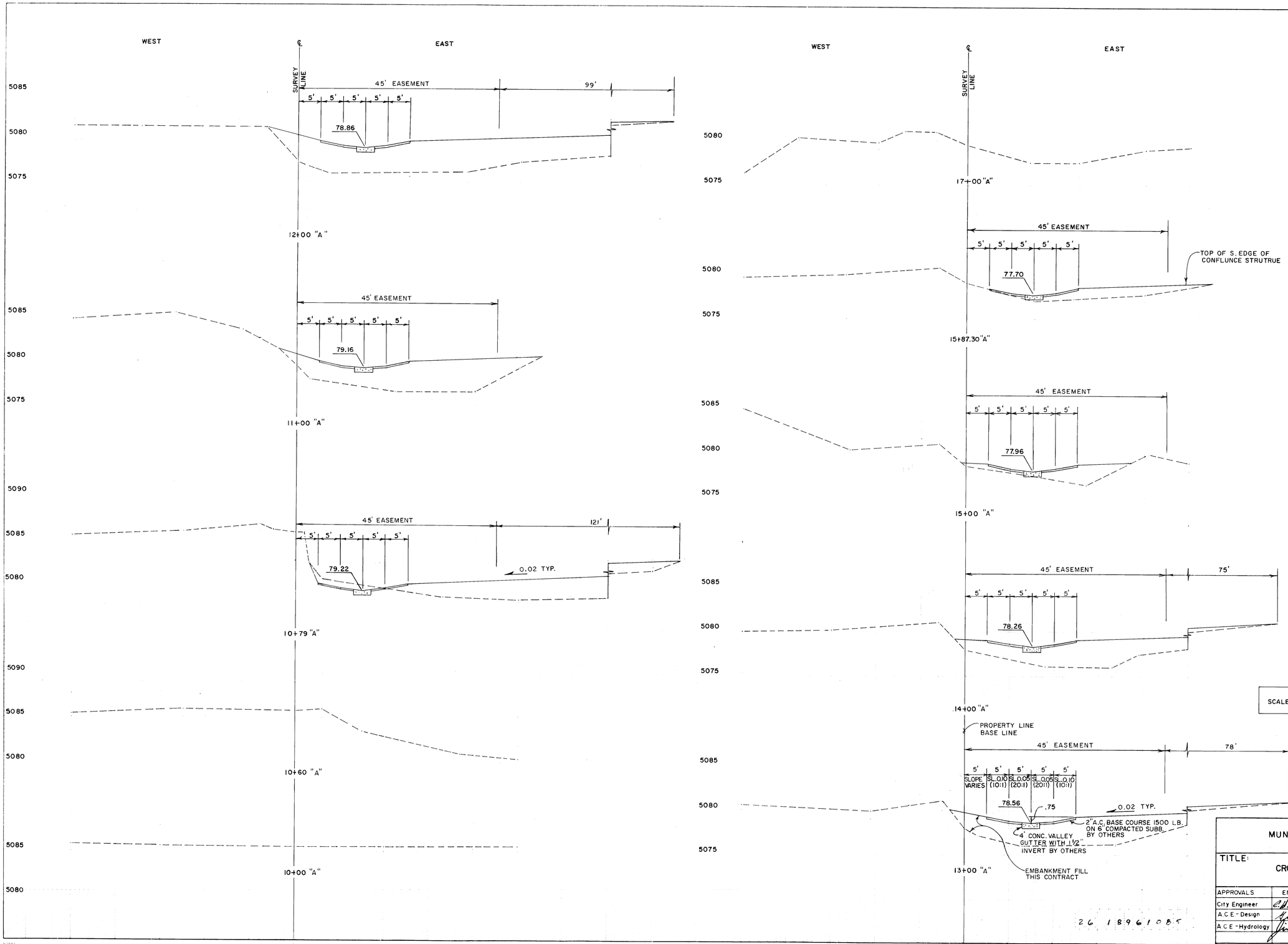
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: CLIFFORD OUTFALL
CROSS SECTIONS-OUTFALL CHANNEL

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	C.D. Hoppman	4/9/85	Liquid Waste	N.A. MGB	4/3/85
A.C.E. - Design	K.J. Oden	4/9/85	Traffic	D.R. DWH	4/9/85
A.C.E. - Hydrology	Jim Smith	4/9/85	Water	N.A. MGB	4/3/85

DRAWING NO. 1896

SHEET 9 OF 11



AS BUILT INFORMATION

CONTRACTOR NYLUS CORPORATION
WORK STARTED BY DATE
STAKE OUT BY DATE
ACCEPTANCE BY T. CARLIZ DATE 8-8-85
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY E. JUAREZ DATE 8-8-85
MICRO-FILM INFORMATION
RECORDED BY DATE
NO

BENCH MARKS

C.B.M. 24" EAST OF C. & G. ALAMEDA ROAD &
POWER LINE EASEMENT
ELEVATION 5085.56

SURVEY INFORMATION

FIELD NOTES		
NO.	BY	DATE
HISC. IV	P. AGUIAR	8-13-84

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN

DESIGNED BY RICHARD LOVATO DATE
DRAWN BY TONY SANCHEZ DATE
CHECKED BY DATE

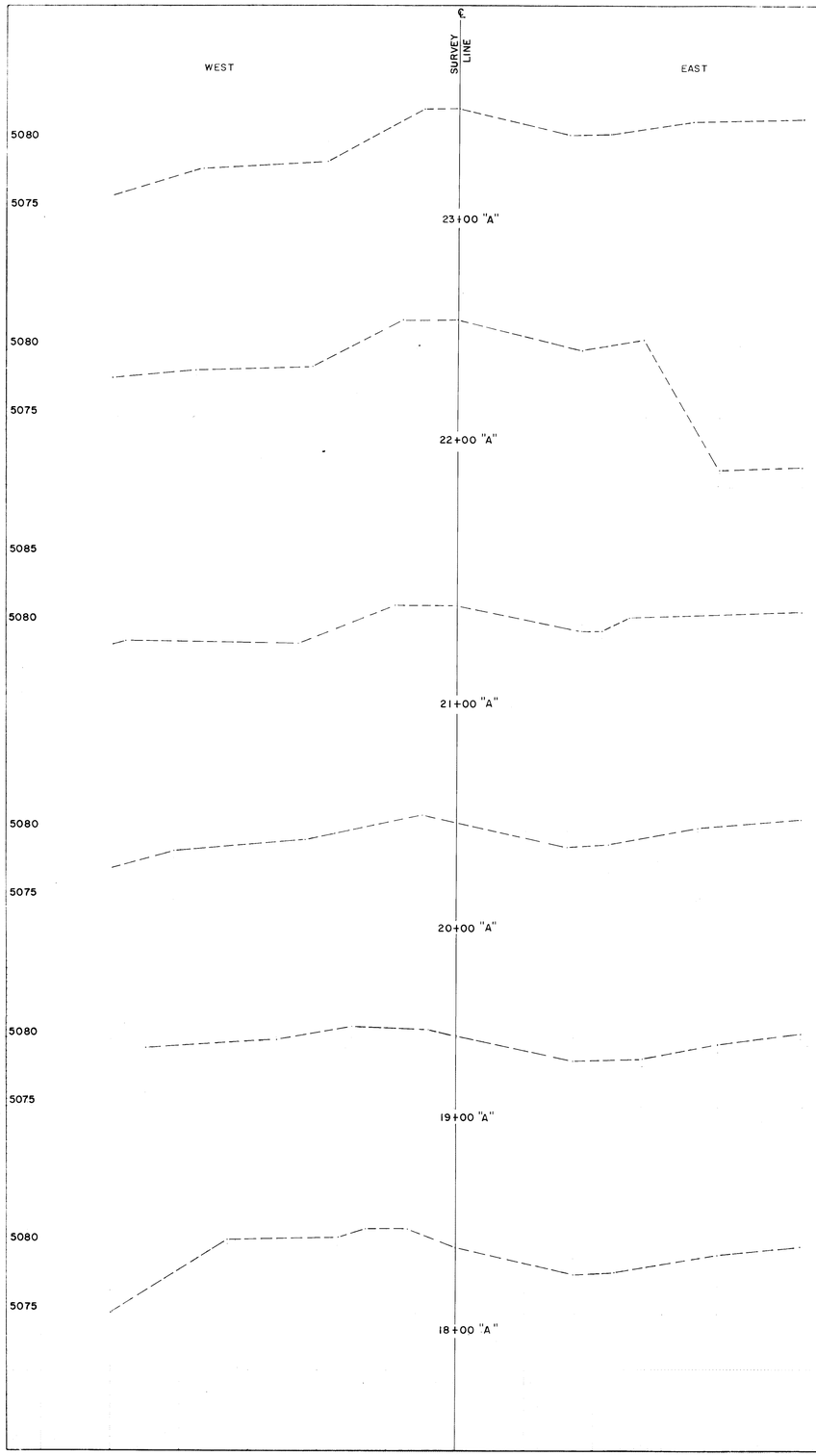
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

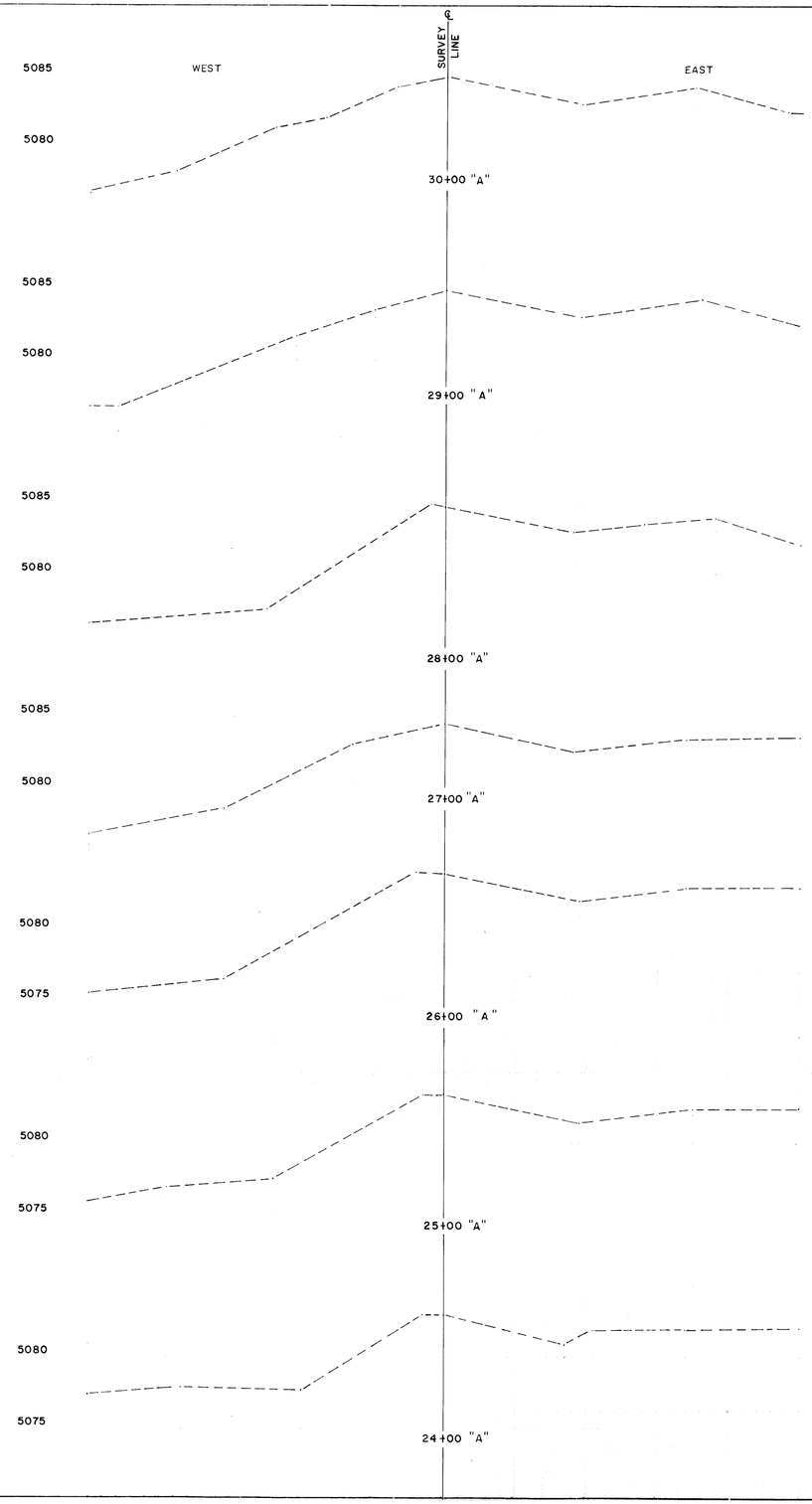
TITLE: CLIFFORD OUTFALL
CROSS SECTIONS - CLIFFORD CHANNEL

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		4/9/85	Liquid Waste	NA	4/3/85
A.C.E.-Design		4/9/85	Traffic	NA	4/5/85
A.C.E.-Hydrology		4/9/85	Water	NA	4/3/85

DRAWING NO. 1896

SHEET 10 OF 11





SCALE: 1" = 10' HORIZ.
1" = 5' VERT.

26 1896 1185

AS BUILT INFORMATION

CONTRACTOR WYLIE CONSTRUCTION

WORK STAKED BY
INSPECTOR
ACCEPTANCE BY T. CURTIS DATE 8-2-85

FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY E. NER DATE 8-8-85
MICRO-FILM INFORMATION
RECORDED BY DATE
NO

BENCH MARKS

C.B.M. 26' EAST OF C.L. ALAMEDA ROAD
& POWER LINE EASEMENT
ELEVATION 5085.54

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
MISC. IV	P. AGUIAR	9-17-84

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN

DESIGNED BY RICHARD LOYATO DATE
DRAWN BY TONY SANCHEZ DATE
CHECKED BY A.N. DATE

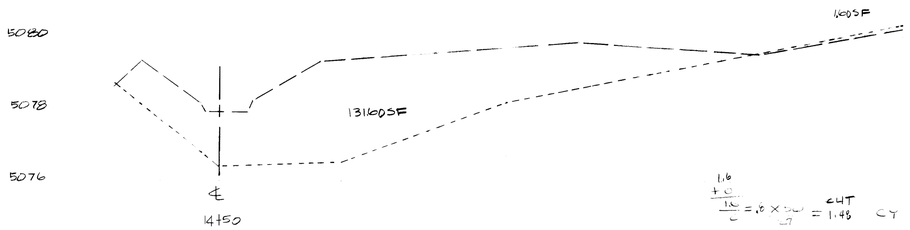
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: CLIFFORD OUTFALL
CROSS SECTIONS - CLIFFORD CHANNEL

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	[illegible]	4/9/85	Liquid Waste	NA [illegible]	4/3/85
A.C.E.-Design	[illegible]	4/9/85	Traffic	NA [illegible]	4/3/85
A.C.E.-Hydrology	[illegible]	4/9/85	Water	NA [illegible]	4/3/85

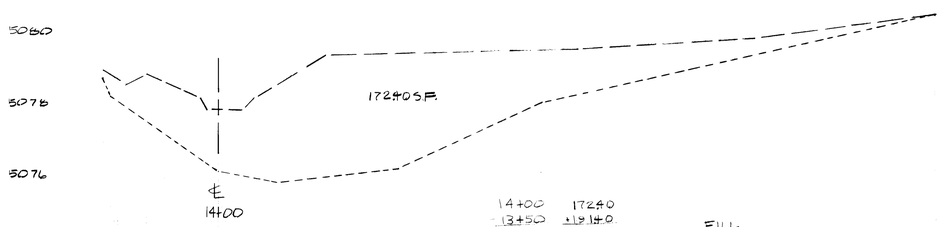
DRAWING NO. 1896

SHEET 11 OF 11

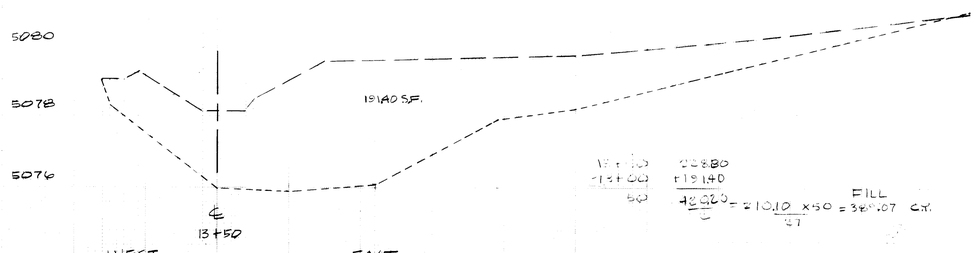


1.6
+0
1.6 = .6 × 50 / 27 = 1.48 CUT CY

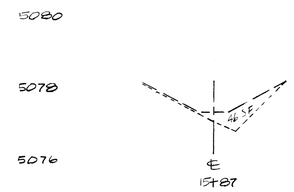
14+50 14160
14+00 + 13160
50 27360 / 2 = 13680 × 50 / 27 = 25148 FILL CY



14+00 17240
13+50 + 19140
50 36380 / 2 = 18190 × 50 / 27 = 336.85 FILL CY



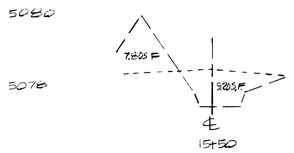
13+50 22880
13+00 + 19140
50 42020 / 2 = 21010 × 50 / 27 = 38907 FILL CY



15+87
15+50
37

4.6
+0
4.6 / 2 = 2.3 × 37 / 27 = 3.50 FILL CY

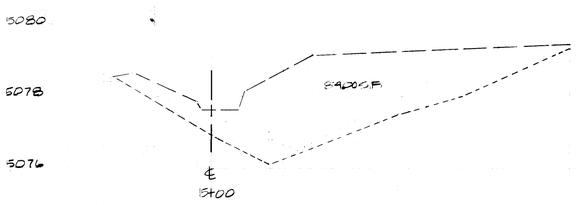
4.6
+0
4.6 = 4.6 × 37 / 27 = 6.30 CUT CY



15+50
15+00
50

7805
5205
13010 / 2 = 6505 × 50 / 27 = 1169.0 FILL CY

4.6
+0
4.6 = 4.6 × 50 / 27 = 8.52 CUT CY



WEST EAST

15+00 8420
14+50 + 13160
50 21580 / 2 = 10790 × 50 / 27 = 19998 FILL CY

1.6
+0
1.6 = .6 × 50 / 27 = 1.48 CUT CY

LEGEND:
FINAL X SECTIONS
EXIST X SECTIONS

SCALE
HORIZ. 1" = 10'
VERT. 1" = 2'

FOR INFORMATION ONLY

2 3 4 5 6 7 8 9 10 11 12
26 1896 1285

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY
INSPECTOR'S ACCEPTANCE BY DATE
FIELD LOCATION BY DATE
ISSUED BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY

REVISIONS

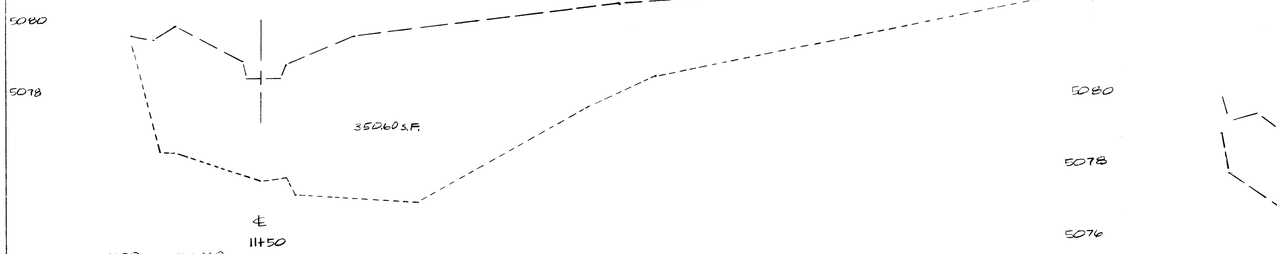
DESIGN
DESIGNED BY DATE
DRAWN BY DATE
CHECKED BY DATE

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

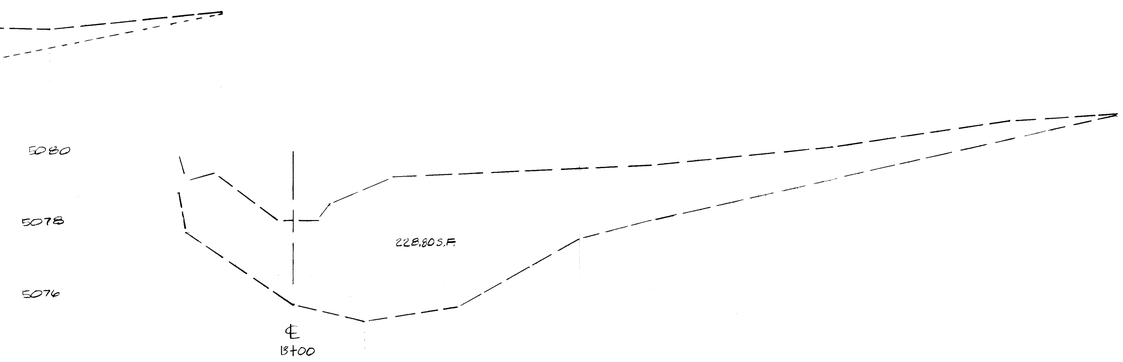
TITLE: CLIFFORD OUTFALL CROSS SECTIONS
STA. 10+80 to STA. 13+00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E.-Design			Traffic		
A.C.E.-Hydrology			Water		

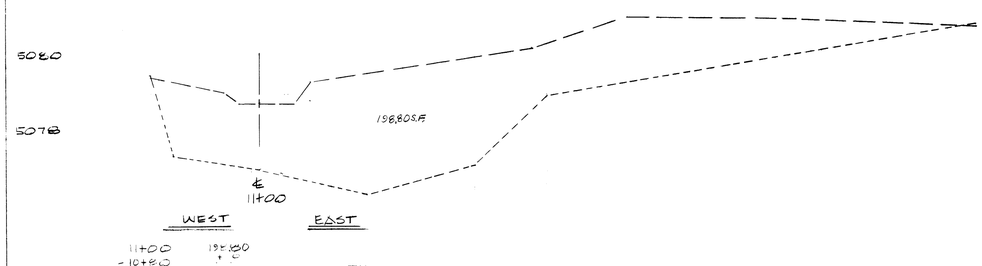
DRAWING NO. 1896 SHEET OF



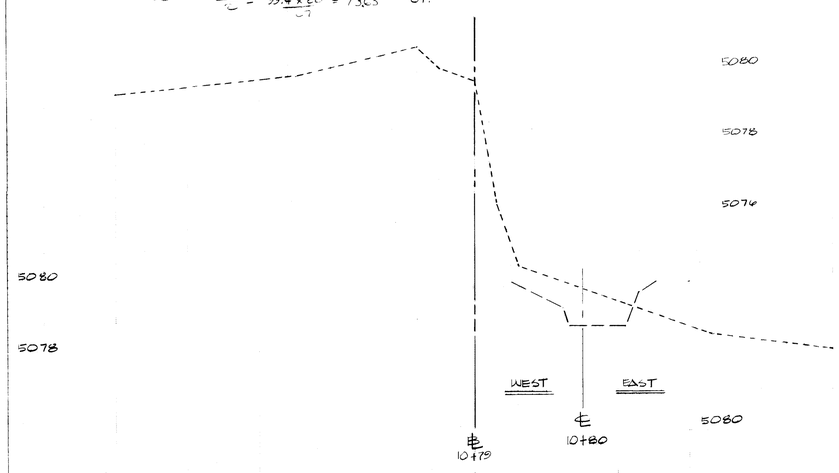
11+50 350.60
-11+00 +195.80
50 546.4 / 2 = 273.2 X 50 = 13660 / 27 = 506.70 C.Y. FILL

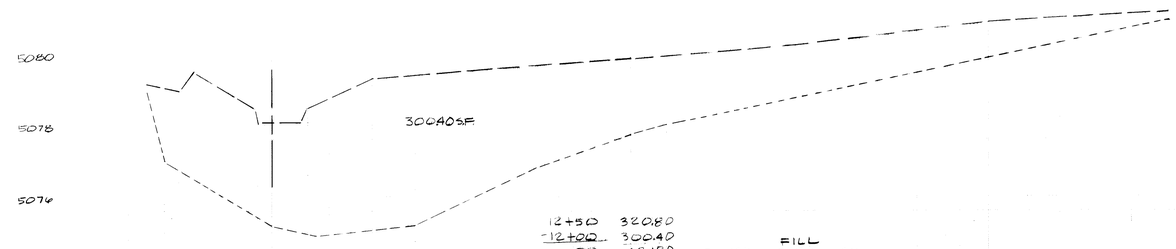


13+00 320.40
-12+50 +208.80
50 529.20 / 2 = 264.60 X 50 = 4900.00 C.Y. FILL

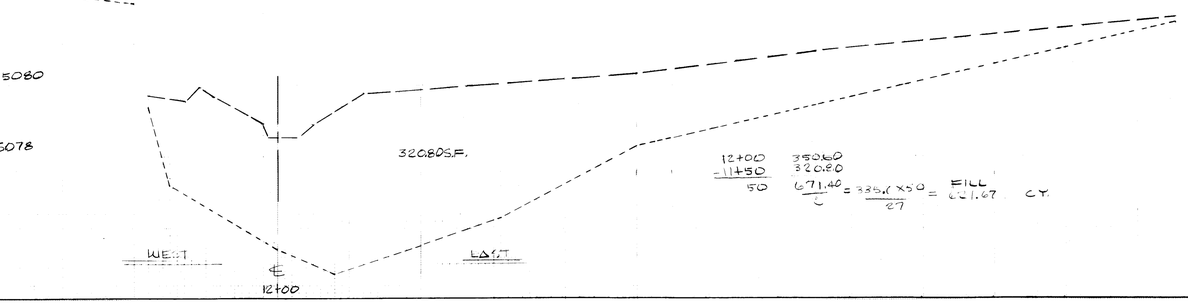


11+00 198.80
-10+00 +0
-0 198.80 / 2 = 99.4 X 20 / 27 = 73.63 C.Y. FILL





12+50 320.80
-12+00 300.40
50 620.20 / 2 = 310.10 X 50 / 27 = 575.19 C.Y. FILL



12+00 350.60
-11+50 320.80
50 671.40 / 2 = 335.70 X 50 / 27 = 621.67 C.Y. FILL

SCALE
HORIZ. 1" = 10'
VERT. 1" = 2'

LEGEND:
——— FINAL X SECTIONS
- - - - - EXIST. X SECTIONS

FOR INFORMATION ONLY

26 1896 1385

AS BUILT INFORMATION

CONTRACTOR
WORK STAKED BY — DATE
INSPECTOR'S ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS

SURVEY INFORMATION

NO.	FIELD NOTES BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN
DESIGNED BY — DATE
DRAWN BY — DATE
CHECKED BY — DATE

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: CLIFFORD OUTFALL CROSS SECTIONS
STA. 13+50 to STA. 15+87

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E.-Design			Traffic		
A.C.E.-Hydrology			Water		

DRAWING NO. 1896 — SHEET — OF