

DRAWING NUMBER

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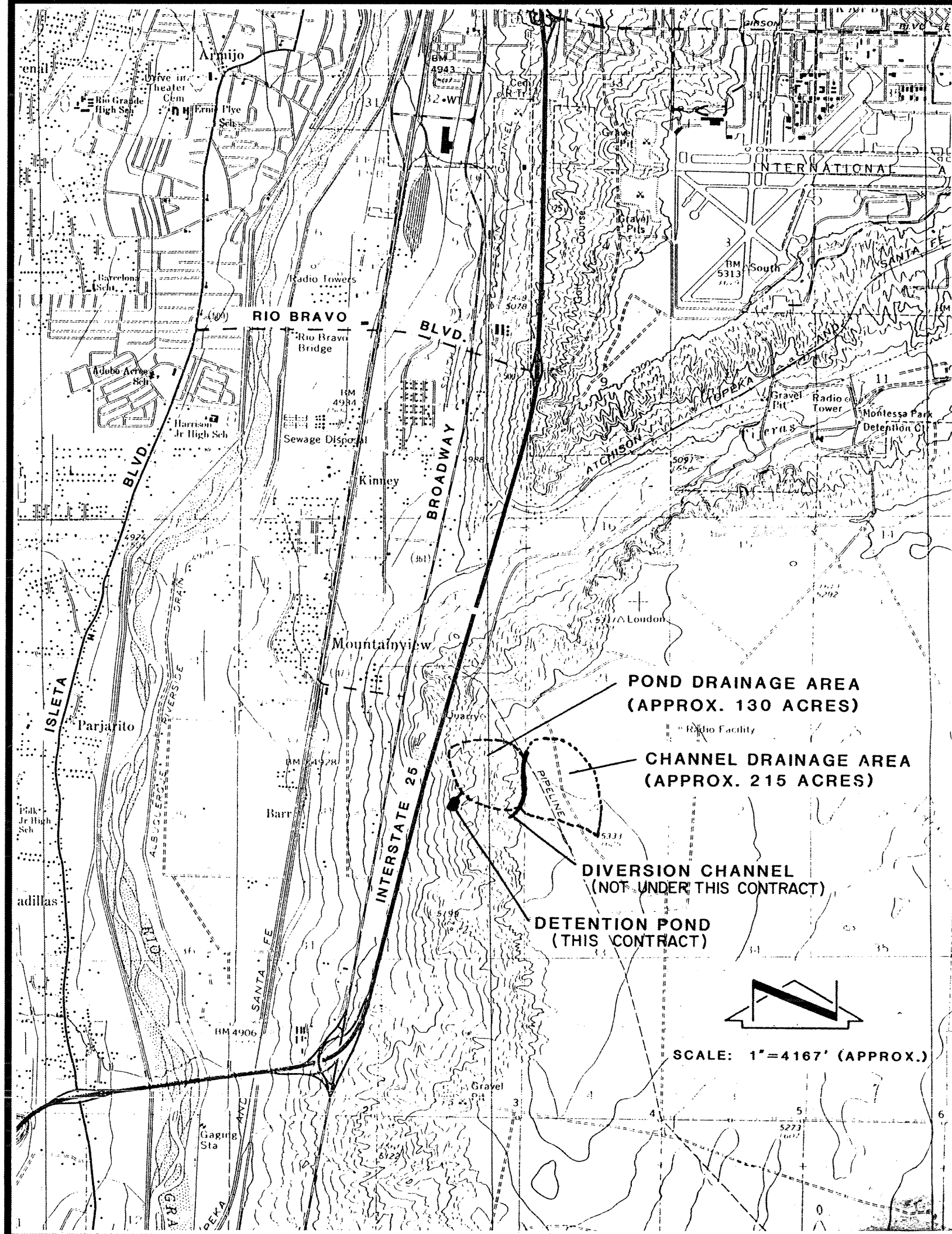
SAFECO PRODUCTS - NEW HIRE, MINNESOTA
POSITION EDGE OF PRINT ON THIS LINE

SAFECO PRODUCTS - NEW HIRE, MINNESOTA
POSITION EDGE OF PRINT ON THIS LINE

SAFECO PRODUCTS - NEW HIRE, MINNESOTA
POSITION EDGE OF PRINT ON THIS LINE

SAFECO PRODUCTS - NEW HIRE, MINNESOTA
POSITION EDGE OF PRINT ON THIS LINE

VICINITY MAP



SOUTH BROADWAY LANDFILL (AREA 5)

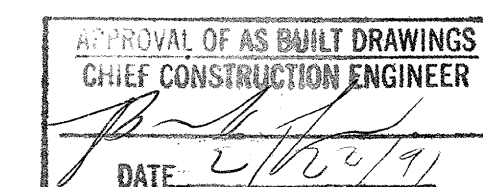
DETENTION POND ALBUQUERQUE, NEW MEXICO

SOLID WASTE DEPARTMENT CITY OF ALBUQUERQUE, NEW MEXICO

PROJECT NO. 3935

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	Title Sheet/Location Map/Index of Sheets
2	Filing Sheet
3	Legend/General and Structural Notes
4	Quantities
5	Detention Pond Plan and Profile 1'-100'
6	Detention Pond Site Plan 1'-50'
7	Geologic Section and Foundation Treatment
8	Embankment Cross Sections
9	Principal Spillway Profile and Details
10	Emergency Spillway Plan and Profile
11	Concrete Chute Half - Plan and Profile
12	Structural Sections
13	Structural Details



C of A PWD Maps & Records

1	2	3	4	5	6	7	8	9	10	11	12
26	39	35	01	91							

APPROVED FOR CONSTRUCTION
Richard Smith
1-12-90 CITY ENGINEER

Richard Smith
RECORD DRAWING
7/16/90

NOTE: RECORD DRAWINGS DEVELOPED USING
INFORMATION PROVIDED BY CITY OF
ALBUQUERQUE. CONSTRUCTION INSPECTION
PERFORMED BY CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT.

SET NO _____

JOB NO. 86102



SCANLON & ASSOCIATES
CONSULTING ENGINEERS

DATE JUNE, 1989

DRAWING NUMBER

SAFCO PRODUCTS NEW HOPE, MINNESOTA
DESIGNED BY: JAMES E. BASS
VERTICAL EDGE OF PRINT ON THIS LINE

DRAWING NUMBER

SAFCO PRODUCTS NEW HOPE, MINNESOTA
DESIGNED BY: JAMES E. BASS
VERTICAL EDGE OF PRINT ON THIS LINE

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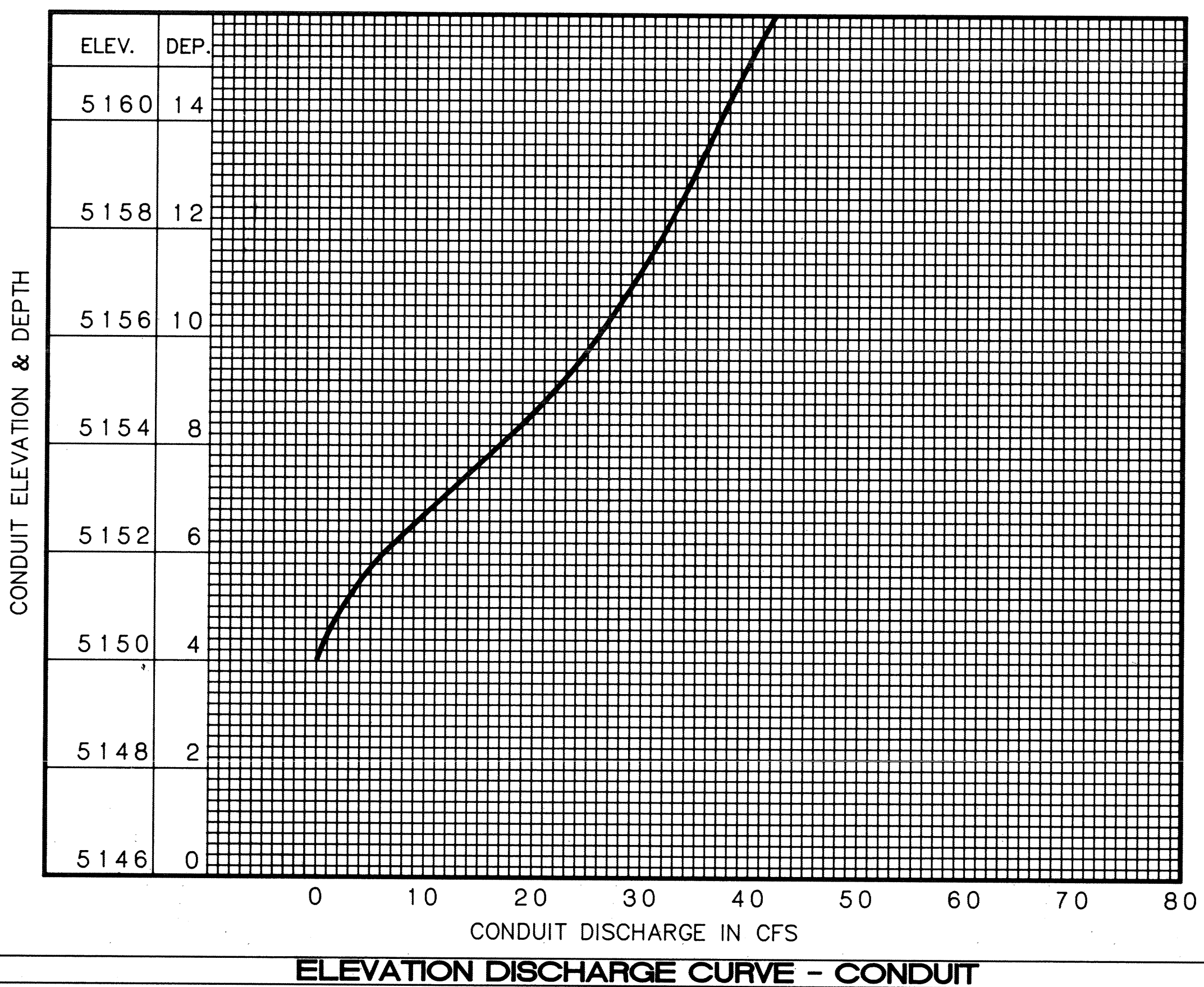
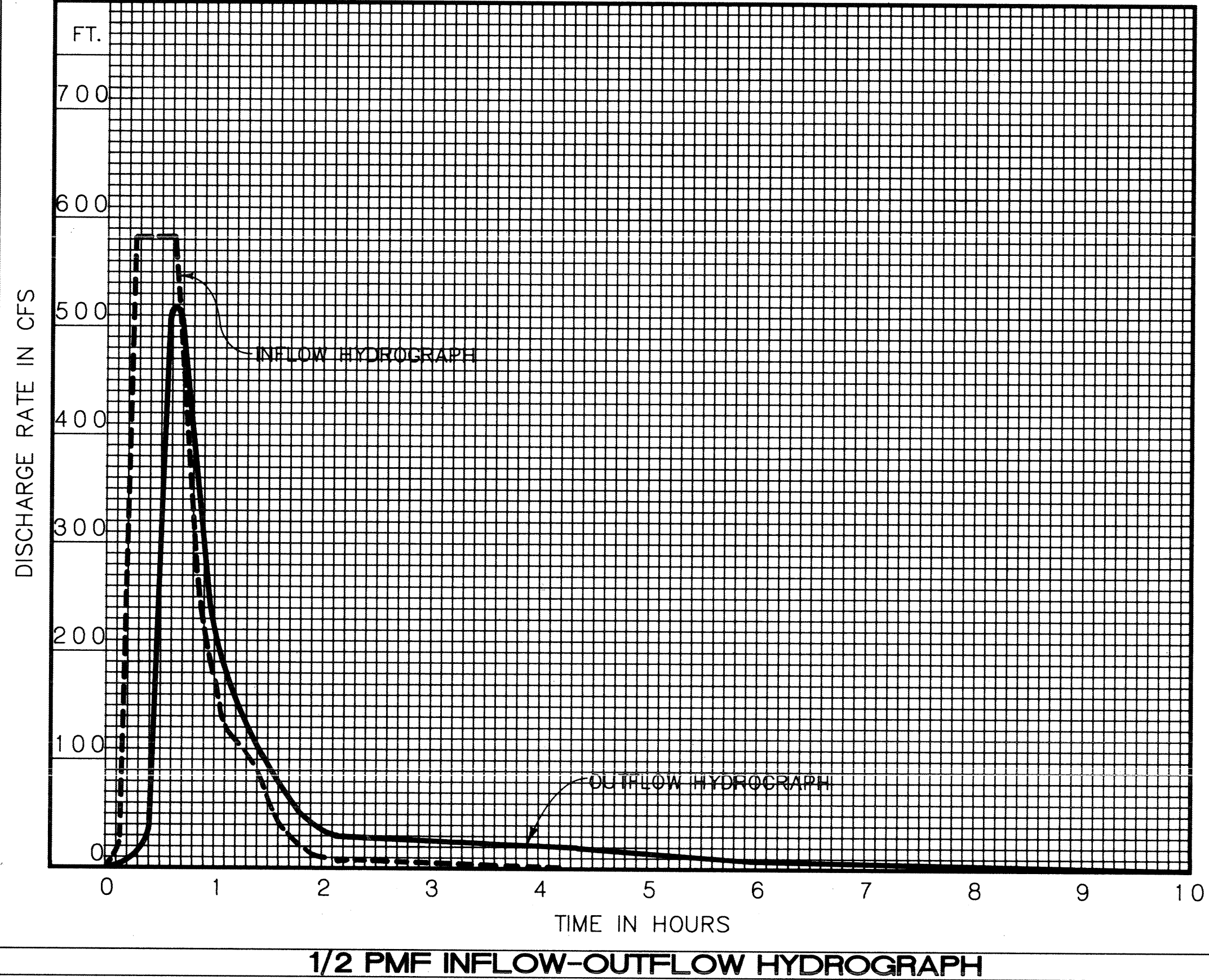
26 39350291

SAFCO PRODUCTS NEW HOPE, MINNESOTA
DESIGNED BY: JAMES E. BASS
VERTICAL EDGE OF PRINT ON THIS LINE

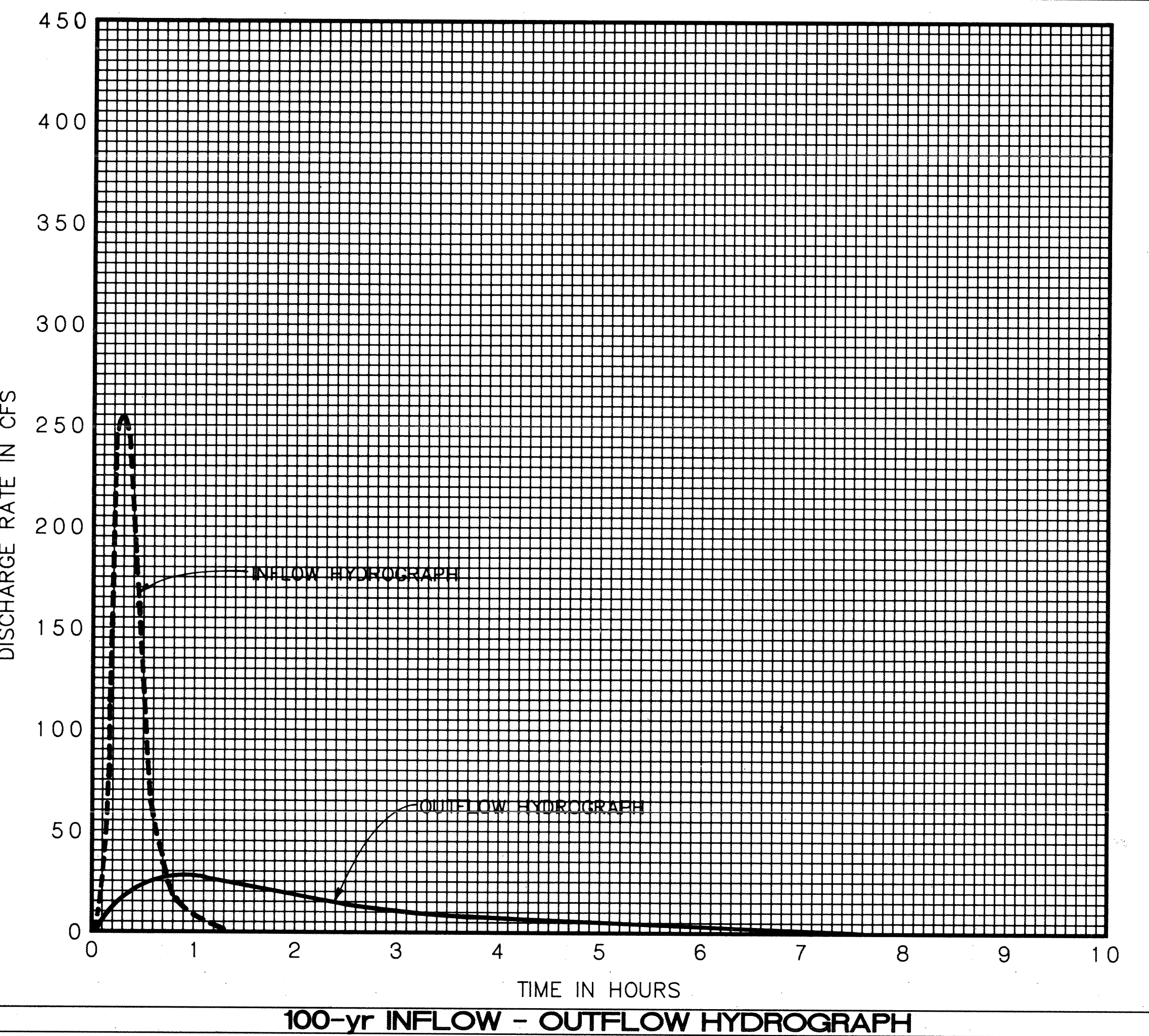
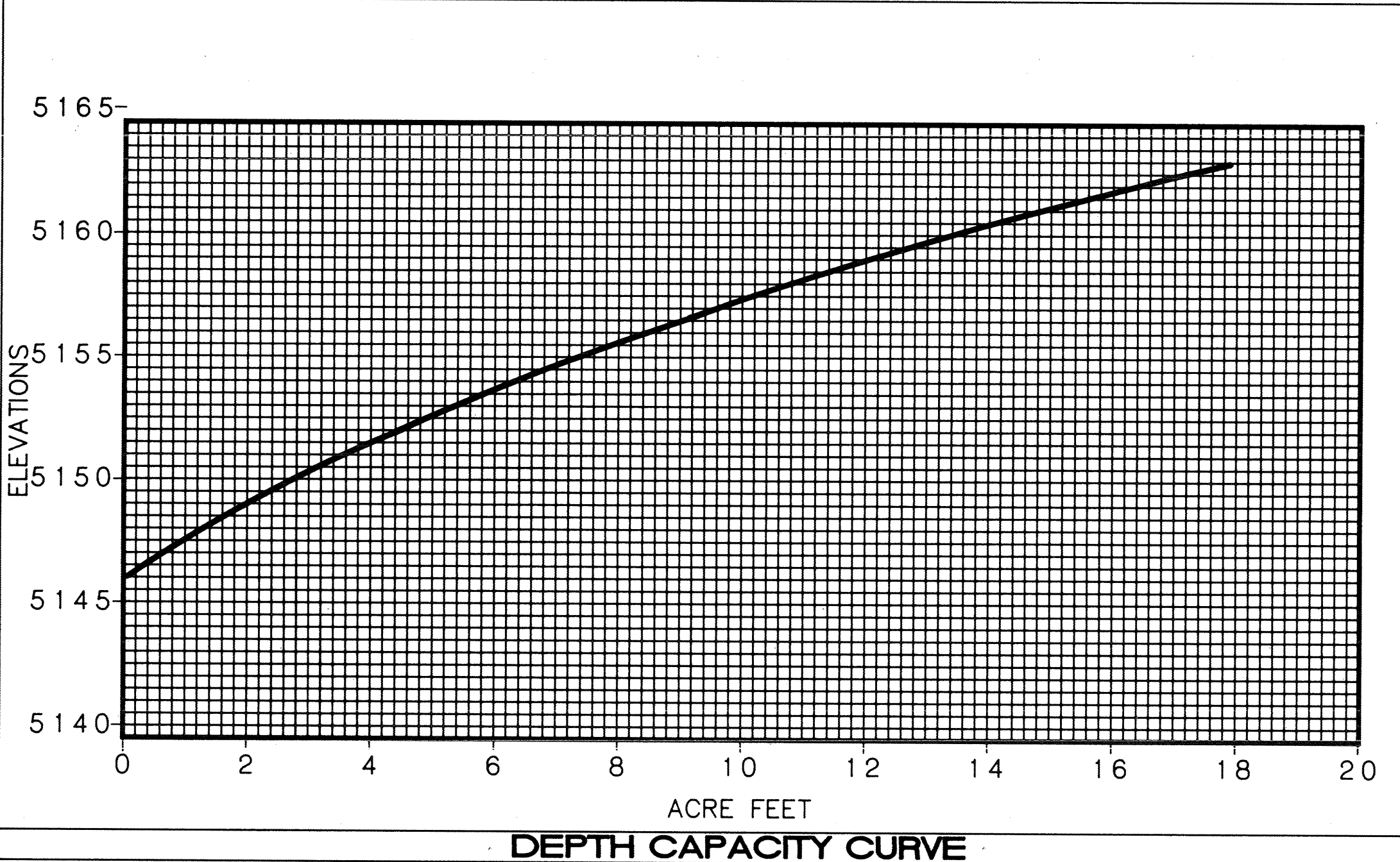
DRAWING NUMBER

SAFCO PRODUCTS NEW HOPE, MINNESOTA
DESIGNED BY: JAMES E. BASS
VERTICAL EDGE OF PRINT ON THIS LINE

Warning note: Peak flow for 1/2 PMF is 1434 cfs. However the concrete chute can only receive 582 cfs. Consequently, only 582 cfs will flow into the detention pond. Flows exceeding 582 cfs will by-pass the pond to the west in the historic flow path. The concrete chute and wingwalls should not be raised without a complete reanalysis of Hydrology and Hydraulics. The emergency spillway is designed for only 484 cfs according to these construction plans.



DEPTH vs STORAGE	
ELEVATION FEET ABOVE MSL	STAGE ACRE FEET
5146	0.00
5148	1.27
5150	2.74
5152	4.41
5154	6.30
5156	8.42
5158 EMERGENCY SPILLWAY CREST	10.78
5160	13.40
5162	16.30
5163 TOP OF DAM	17.86



STATISTICS OF SOUTH BROADWAY LANDFILL DETENTION DAM	
MAXIMUM HEIGHT ABOVE FOUNDATION	23.0
MAXIMUM LENGTH	323.0
MAXIMUM WIDTH AT BASE	190.0
CREST WIDTH	15.0
SLOPE UPSTREAM FACE	3:1
SLOPE DOWNSTREAM FACE	5:1
ELEVATION AT SPILLWAY CREST	5158.0
ELEVATION BOTTOM OUTLET CONDUIT AT UPSTREAM FACE	5146.0
FREEBOARD @ 100-YEAR FREQUENCY FLOOD	1.5
FREEBOARD AT P.M.P.	1.6
WIDTH OF SPILLWAY	25.0
DISCHARGE CAPACITY OF SPILLWAY (CFS AT ELEV)	484 @ 5161.4
OUTLET CONDUIT TYPE AND SIZE	1-24" C.C.P.
OUTLET CONDUIT CAPACITY (CFS AT ELEV)	41 @ 5161.4
1/2 - 6 HOUR P.M.P. EFFECTIVE RAINFALL-INCHES	5.875
P.M.F. DISCHARGE CFS	582.0
EVACUATION TIME - HOURS (FOR P.M.P.)	20.0
DRAINAGE AREA	130 Ac.
W. S. ELEV. AT P.M.P.	5161.4
W.S. ELEV. AT 100-YEAR (includes 2.4 ac ft sediment)	5156.5

Note: The bottom 1-1/2 feet of the pond shall be considered the maximum depth for a working sediment volume. The pond shall be cleaned and maintained when a depth of sediment and debris greater than 1-1/2 feet is achieved.

STATE OF NEW MEXICO)
CITY OF ALBUQUERQUE) ss

Priscilla Phillips
OFFICIAL SEAL
PRISCILLA PHILLIPS
NOTARY PUBLIC
STATE OF NEW MEXICO
My Commission Expires 3-17-90

I hereby certify that the accompanying maps and statements have been duly examined by me and are approved as to form and content, and were duly accepted for filing on the 10th day of June, 1990.

State Engineer
City of Albuquerque
State of New Mexico

ENGINEER'S CERTIFICATE
STATE OF NEW MEXICO)
COUNTY OF BERNALILLO) ss

Priscilla Phillips
OFFICIAL SEAL
PRISCILLA PHILLIPS
NOTARY PUBLIC
STATE OF NEW MEXICO
My Commission Expires 3-17-90

I, Richard Lovato, being first duly sworn upon my oath, state that I am the Registered Professional Engineer who made the plans of the South Broadway Landfill Detention Pond and Diversion Channel, that such plans consisting of 13 sheets were prepared by me or under my direction and that the same are true and correct to the best of my knowledge and belief.

Registered Professional Engineer No. 6823

Scanlon and Associates, Inc.
8008 Pennsylvania Circle, NE
Albuquerque, New Mexico 87110

Richard Lovato

Subscribed and sworn to before me this 10 day of JANUARY 1990.

STATE OF NEW MEXICO)
COUNTY OF BERNALILLO) ss

I hereby certify that the accompanying maps and statements have been duly examined by me and are approved as to form and content, and were duly accepted for filing on the 11 day of Jan., 1990.

State Engineer
State of New Mexico

SCANNED BY

26 39350291

Richard Lovato

RECORD DRAWING
7/16/90

01/90 HYDROLOGY REVISIONS		JEAC
SOUTH BROADWAY LANDFILL DIVERSION CHANNEL & DETENTION DAM		
FILING SHEET		
SOLID WASTE DEPARTMENT, CITY OF ALBUQUERQUE		
DATE 7/21/89	JOB NO. 86102	SCALE AS SHOWN
DRAWN RLH	CHECKED JEAC	SHEET 2 OF 13
SCANLON & ASSOCIATES INC. CONSULTING ENGINEERS		

DRAWING NUMBER

SACD PRODUCTS NEW HOPE, MINNESOTA
REORDER BY PART NUMBER ES53
POSITION EDGE OF PRINT ON THIS LINE

DRAWING NUMBER

SACD PRODUCTS NEW HOPE, MINNESOTA
REORDER BY PART NUMBER ES53
POSITION EDGE OF PRINT ON THIS LINE

DRAWING NUMBER

26 3950391

SACD PRODUCTS NEW HOPE, MINNESOTA
REORDER BY PART NUMBER ES53
POSITION EDGE OF PRINT ON THIS LINE

DRAWING NUMBER

SACD PRODUCTS NEW HOPE, MINNESOTA
REORDER BY PART NUMBER ES53
POSITION EDGE OF PRINT ON THIS LINE

LEGEND	PROPOSED	EXISTING
BUILDING		
WIRE MESH, CHAIN LINK FENCE		
WIRE FENCE		
WOOD FENCE		
ROCK OR BLOCK WALL		
POST		
SIGN		
TREE		
FLOW LINE OF DITCH		
SIDE SLOPES OF DITCH		
RAILROAD TRACKS		
CURB & GUTTER		
LAYDOWN CURB, DRIVEPAD		
SIDEWALK		
WHEEL CHAIR RAMP		
PAVING LIMITS		
DIRT ROAD		
CONCRETE IN SECTION		
CONCRETE IN PLAN		
EARTH		
CONTOURS		
TELEPHONE BOX		
UTILITY POLE		
UTILITY POLE w/GUY WIRE		
STREET LIGHT, LUMINAIRE		
FIRE HYDRANT		
WATER VALVE		
BUTTERFLY VALVE		
GATE OR PLUG VALVE		
AIR RELIEF VALVE		
WATER METER		
WATER SERVICE CONNECTION		
SANITARY SEWER MANHOLE		
STORM DRAIN MANHOLE		
SANITARY SERVICE CONNECTION		
TELEPHONE MANHOLE		
DROP INLET		
WATER LINE		
SANITARY SEWER LINE		
STORM DRAIN LINE		
GAS LINE (PETROLEUM FUEL)		
UNDERGROUND POWER LINES		
ABOVE GROUND PIPE OR POWER LINES		
UNDERGROUND TELEPHONE LINES		
OVERHEAD TELEPHONE LINES		
CABLE TV LINES		
SURVEY, CONSTRUCTION CENTERLINE		
CITY MONUMENT		
BENCH MARK		
R/W LINE, PROPERTY LINE		
EASEMENT		
FINISHED FLOOR ELEVATION		
SPOT ELEVATION		
CONTROL POINT, P.I.		
SECTION CORNERS		
CONDUIT		
PEDESTAL POLE BASE		
PEDESTAL POLE w/SIGNAL		
MASTARM		
RIPRAP		
BEDDING		
LIMITS OF RIPRAP		

SECTION NUMBER
SHEET WHERE SECTION IS SHOWN
SHEET WHERE SECTION IS CUT

GENERAL AND STRUCTURAL NOTES

- City of Albuquerque "Standard Specification for Public Works Construction", 1986, shall govern construction of this project.
- Elevations are shown in feet above mean sea level datum.
- All stationing refers to centerline of construction and is the measured horizontal distance. Left and right of centerline are looking in the direction of increasing station.
- Soils are classified in accordance with Unified Soils Classification system; field logs and laboratory soil test results are available in the offices of the Engineer.
- All exposed concrete edges and joints between adjacent concrete pours shall be chamfered 3/4 inch unless noted or unless otherwise directed by the Engineer.
- Concrete construction shall be in accordance with ACI-301, latest edition, and as modified by the Specification in the contract documents. Reinforcing bar spacing is center to center of bars. Bar cover is clear distance between surface of bar and face of concrete and shall be two inches for formed and top surfaces and three inches for surfaces placed against the earth unless otherwise shown.
- Reinforcing bars shall be continuous or spliced from slabs and walls into adjacent slabs and walls.
- Reinforcing bars shall be detailed by the Contractor in conformance with the most current editions of ACI-318, ACI-315 and ACI-315R. The Contractor shall submit reinforcement placement drawings (shop drawings) for Engineer's review before beginning fabrication of the reinforcement. Where splice lengths are not shown on the plans, Class "C" splices with a multiplier of 0.8 shall be used. Bar bends shall conform to ACI-318, Chapter 7, with 90 and 180 degree hooks having a minimum extension as set forth in Section 7.1 of ACI-318.
- A concrete placement schedule and proposed construction joint locations shall be submitted by the Contractor for review by the Engineer before reinforcing bars are detailed. The sequence of pours must be such that shrinkage will be minimized.
- When coordinates are shown, herein (N, E) they refer to a coordinate system established for this project, except when specifically referred to as state grid. Coordinates are based on true ground distances and state grid bearings from the state grid coordinate system.
- Property lines (PL) shown on the plans define "Limits of Work" for this project.
- Fill materials from excavation, over excavation, or borrow which requires more than one handling prior to final placement, including stockpiling and blending to meet gradation requirements of stockpiling for later disposal, will be considered incidental to the contract unit price for excavation or over excavation. No separate payment shall be made on the basis of quantities removed from the original location.
- Trenching and bedding for 24" dia. concrete cylinder pipe (CCP) shall be considered incidental to the contract unit price for concrete pipe installed and no separate payment shall be made therefor.
- Contractors' campsites, and any other disturbed areas not included on the plans shall be seeded, and no measurement or payment will be made therefor.
- Watering, as required for construction and dust control, shall be considered incidental to construction and no measurement or payment shall be made therefor. Construction areas shall have watering equipment for dust pollution abatement as directed by the Engineer. The Contractor shall be responsible for locating, purchasing, and supplying water as required.

- The Contractor will be responsible to replace at his own expense any and all property corners destroyed on the process of construction. All property corners must be set by a Registered Land Surveyor.
- The Contractor shall confine his operations to the construction limits of the project and will be held responsible for any agreements necessary for damage by his operation to public or private property including utilities.
- The Air Pollution Control Regulations of the Albuquerque - Bernalillo County Air Quality Control Board limit emission of particulate matter and the use of cut back asphalt. It is the responsibility of the Contractor to clarify these restrictions with the Environmental Health Department prior to submittal of bids to avoid conflicts with regulations.
- No payment above the cost of excavation will be made for placement of surplus fill to any designated waste areas.
- Do not allow water to enter the concrete chute until the Dam Embankment and principal spillway are constructed.
- Payment for concrete slope blankets, concrete chute, anti-seep collars, and concrete wingwalls are all included in the price of Concrete Structures.
- Work on the diversion channel shall be under a separate contract than work on the detention pond.
- Payment for grading for the emergency spillway and the concrete chute shall be included in earthwork for the detention pond.
- All disturbed areas shall be revegetated under separate contract as part of Phase II of the Landfill "Close Out Plan."
- Payment for outlet tower shall be included in the unit price for Principal Spillway.
- Sediment depth posts shall be considered incidental to construction of Principal Spillway.

STRUCTURAL DESIGN DATA

Design in accordance with U.S.D.A. Soil Conservation Service handbook, Section 6 (Rev. 9/64), and Technical Release No. 67(8/80).

Reinforced Concrete (Working Stress Design)
 $f'_c = 3500$ psi @ 28 days; $n = 9$
 $f_y = 40,000$ psi; $f_s = 20,000$ psi

Reinforcing Steel: ASTM A-615 Grade 40
(Grade 60 permissible)

Active soil equivalent fluid pressure = 60.5 lb./cu.ft.

Allowable soil bearing pressure = 2000 lb/sq.ft.

SCANNED BY

C of A PWD Maps & Records
1 2 3 4 5 6 7 8 9 10 11 12
26 3950391

NO.	DATE	REMARKS	BY
1	11/89	ADD NOTE 24 & 25	JAC
2	01/90	NOTE CORRECTIONS, ADD NOTE 26	JEAC
SOUTH BROADWAY LANDFILL DIVERSION CHANNEL & DETENTION POND			
GENERAL NOTES / LEGEND			
SOLID WASTE DEPT., CITY OF ALBUQUERQUE			
DATE	JOB NO.	SCALE	DRAWN
MAY 1989	86102	NONE	JGL
			CHECKED
			J.E.A.C.
			OF
			13
SCANLON & ASSOCIATES INC. CONSULTING ENGINEERS			

DRAWING NUMBER

SAFECO PRODUCTS • NEW HOPE, MINNESOTA
REORDER BY PART NUMBER 8553
----- POSITION EDGE OF POINT ON THIS LINE -----

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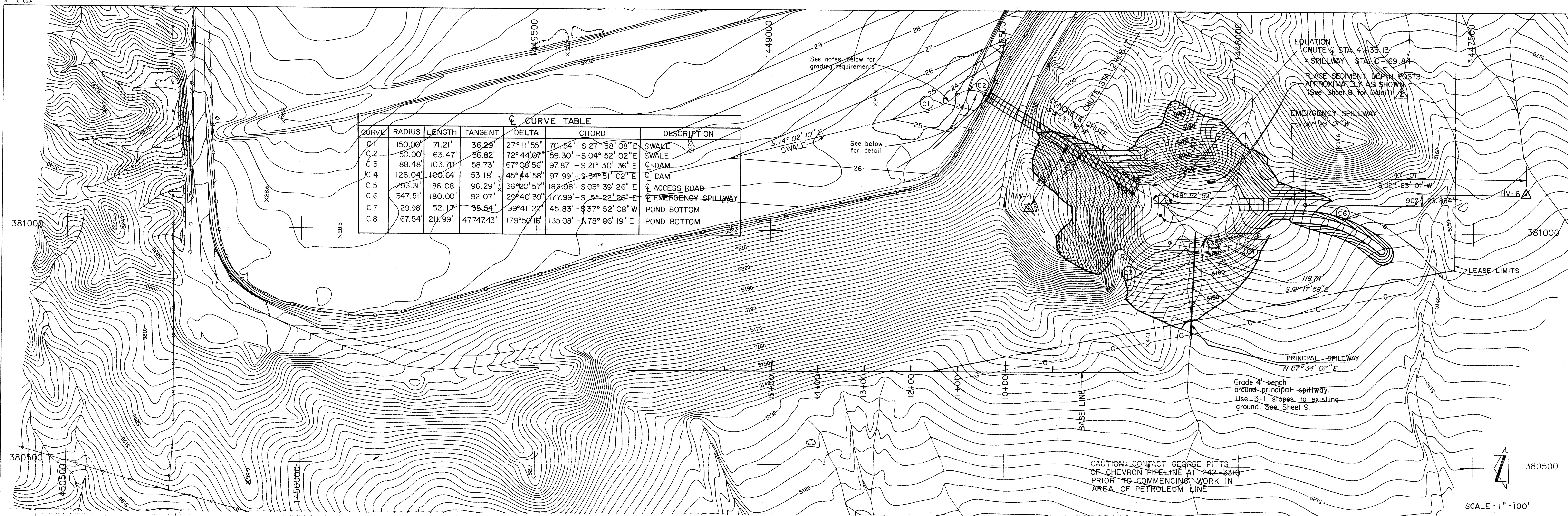
C of A PND Maps & Records											
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2	6	3	9	3	5	0	4	9	1		

RECORD DRAWING	
7/16/90	

	01/90	QUANTITY REVISIONS	JEAC
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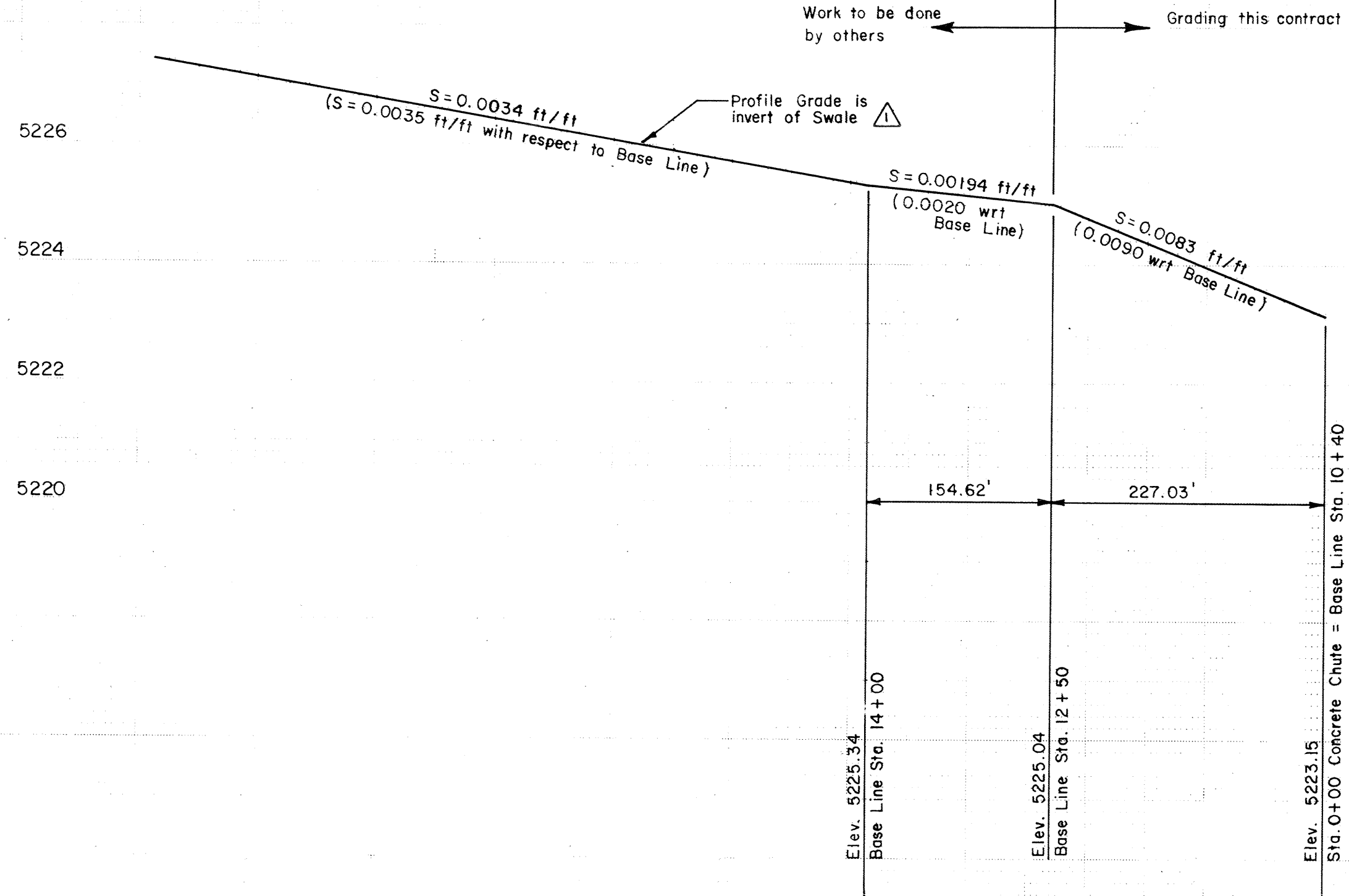
PROJECT NO. 86102 SHEET 4 OF 13

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



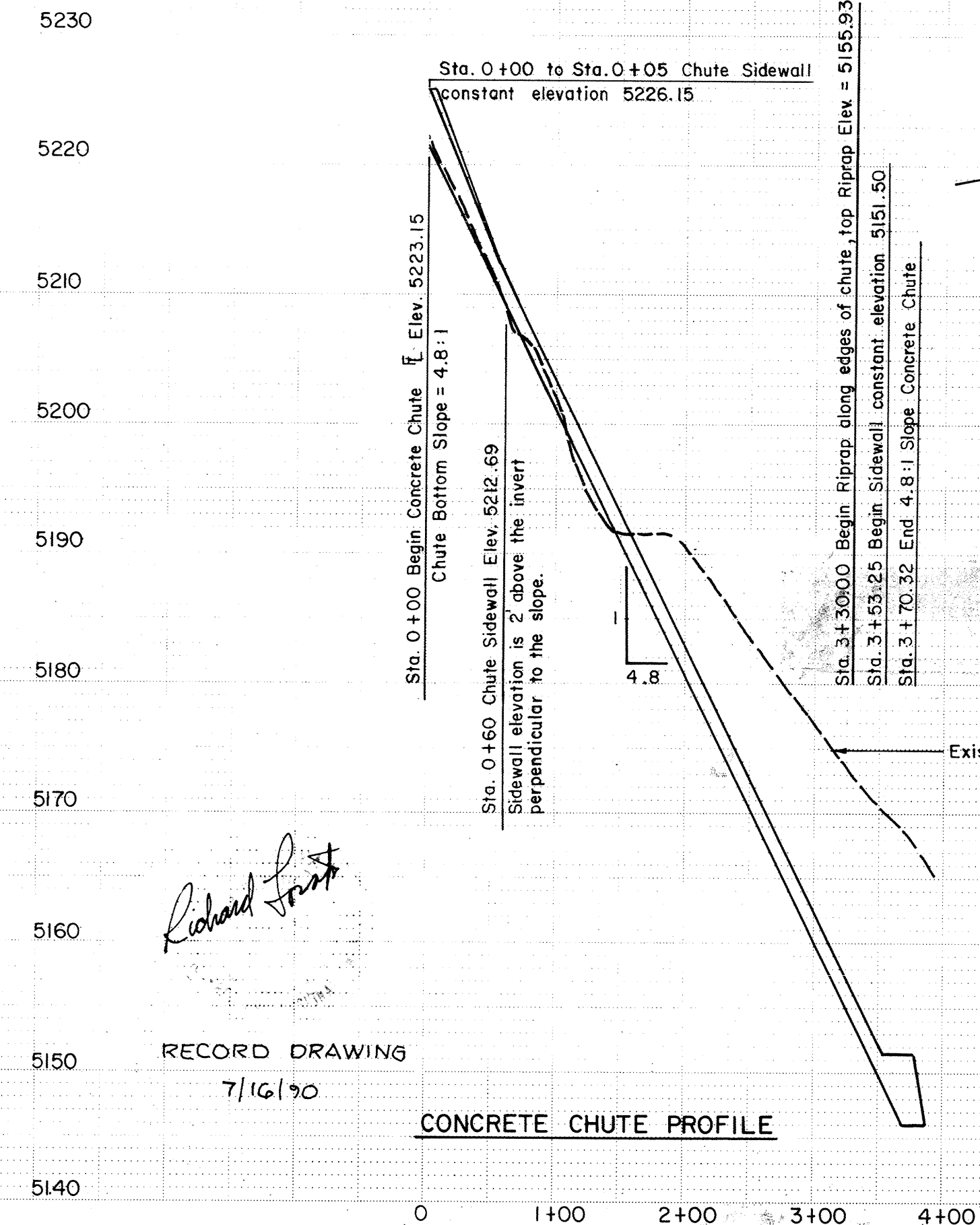
1. The finished contours shown in the area of the drainage swale reflect elevations after the final cover has been placed on the landfill. Grading in this area has been done with respect to the Base Line. The contractor will be responsible for all grading adjacent to the wing-walls and all grading up to elevation 5225. The Contractor shall coordinate with the Landfill.
2. None of the riprap is shown on this plan for the sake of clarity.
3. The swale profile is shown along the swale, not along the Base Line.
4. The chute profile can be seen in detail on Sheet 11.

CONTROL POINTS			
HV-4	N 1448448.445	E 381050.567	ELEV. = 5212.93
HV-6	N 1447389.707	E 381082.292	ELEV. = 5152.19
HV-4 TO HV-6 IS 1059.213' AT S 01° 42' 58.95" E			

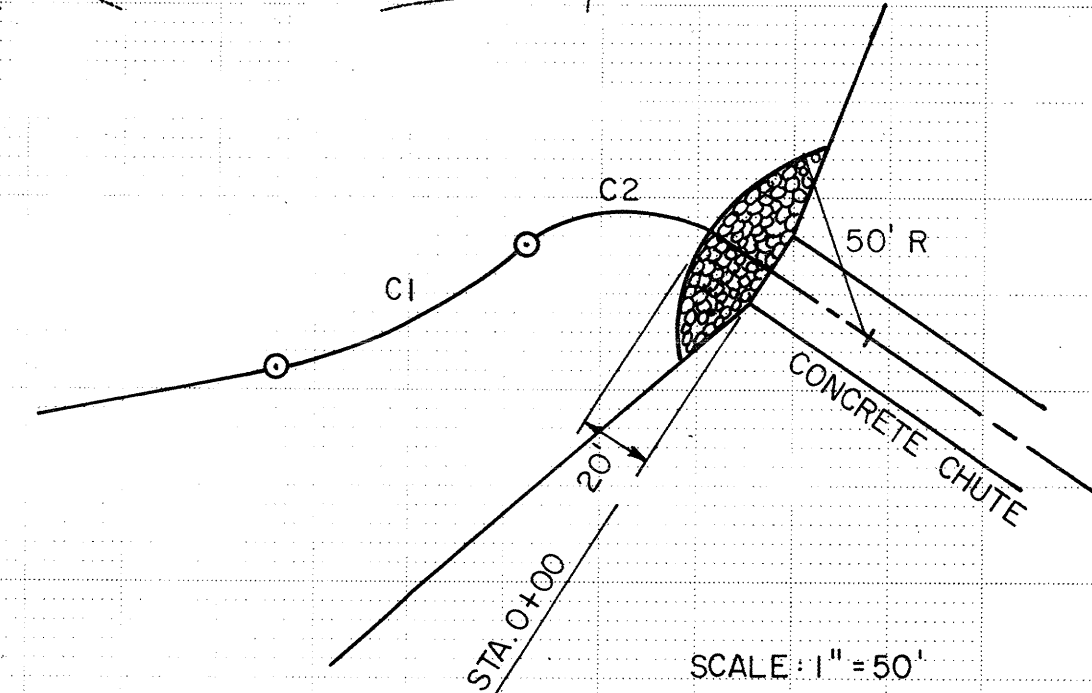


SWALE PROFILE

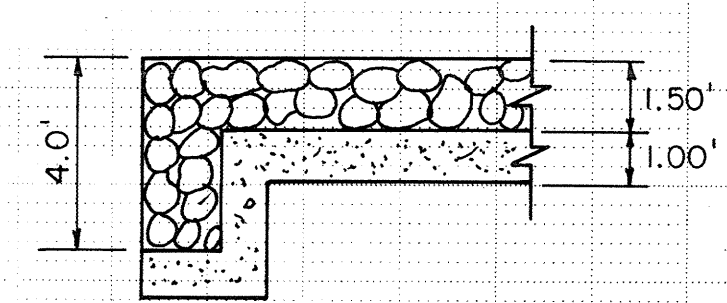
SCALE: 1" = 100' H
1" = 2' V



CONCRETE CHUTE PROFILE



SCALE: 1" = 50'



Place approx. 75 yd³ riprap and 50 yd³ bedding at entrance to concrete chute as shown. For riprap gradation, See Sheet 11

DELETED FOOTING & BEDDING



SCALE : 1" = 100' H
1" = 10' V

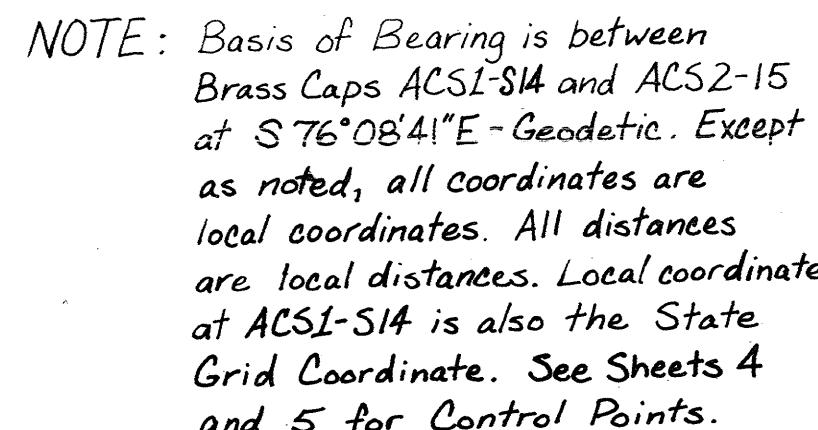
NO.	DATE	REMARKS	BY
①	11/89	NOTE CLARIFICATIONS, ILLUSTRATION OF RIPRAP IN PLAN VIEW	JEAC
②	01/90	SEDIMENT DEPTH POSTS	JEAC

PROJECT NO. 86102 SHEET 5 OF 13

SCANNED
BY _____

DRAWING NUMBER

26 393506 91

SAFECO PRODUCTS • NEW HOPE, MINNESOTA
REORDER BY PART NUMBER 8553

CENTERLINE OF DAM				
PT. #	X	Y	ELEVATION	COMMENT
24	380950.297	1448249.305	5163.00	CL Dam Sta 0+00 (P.C.)
24	381000.942	1448176.750	-	Radius Point
23	380914.414	1448158.256	5163.00	CL Dam Sta 1+03.70(P.T.)
30	380939.707	1448042.247	5163.00	CL Dam Sta 2+22.43(P.C.)
42	381063.002	1448068.400	-	Radius Point
32	380995.700	1447961.835	5163.00	CL Dam Sta 3+23.07(End)
25	380915.687	1448252.519	5163.00	Top Edge Dam
29	380906.126	1448191.668	5163.00	Top Edge Dam
50	380913.535	1448190.502	5163.00	CL Dam Sta 0+71.26
27	380959.626	1447983.866	5163.00	Top Edge Dam
51	380965.432	1447988.614	5163.00	CL Dam Sta 2+82.48
28	380997.964	1447937.187	5163.00	Top Edge Dam

Richard Fortin

RECORD DRAWING
7/16/90

SCANNED
BY _____

C of A FWD Wages & Benefits

1	2	3	4	5	6	7	8	9	10	11	12
2	6		3	9	2	5	0	6	9	1	

SOUTH BROADWAY LANDFILL
DIVERSION CHANNEL & DETENTION POND

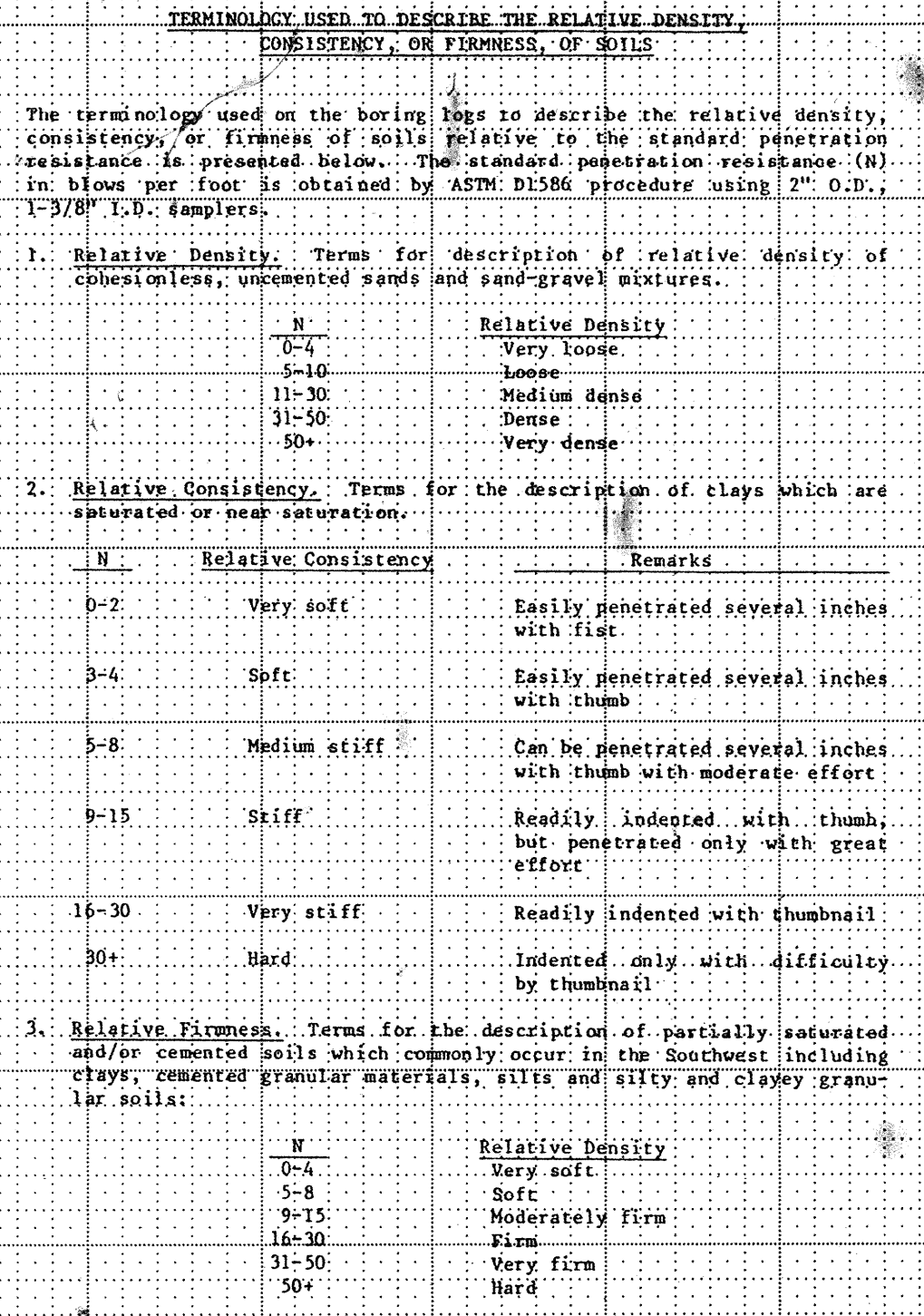
DETENTION POND SITE PLAN

SOLID WASTE DEPARTMENT, CITY OF ALBUQUERQUE

DATE JUNE 1989	JOB NO. 86102	SCALE 1"=50'	DRAWN <u>JGL</u> CHECKED <u>JFAC</u>	SHEET <u>6</u> OF <u>13</u>
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SCANLON & ASSOCIATES INC.
CONSULTING ENGINEERS

[illegible]

SCANNED
BY

DRAWING NUMBER

SAFCO PRODUCTS • NEW HOPE, MINNESOTA
REORDER BY PART NUMBER 8553
----- POSITION EDGE OF PRINT ON THIS LINE -----

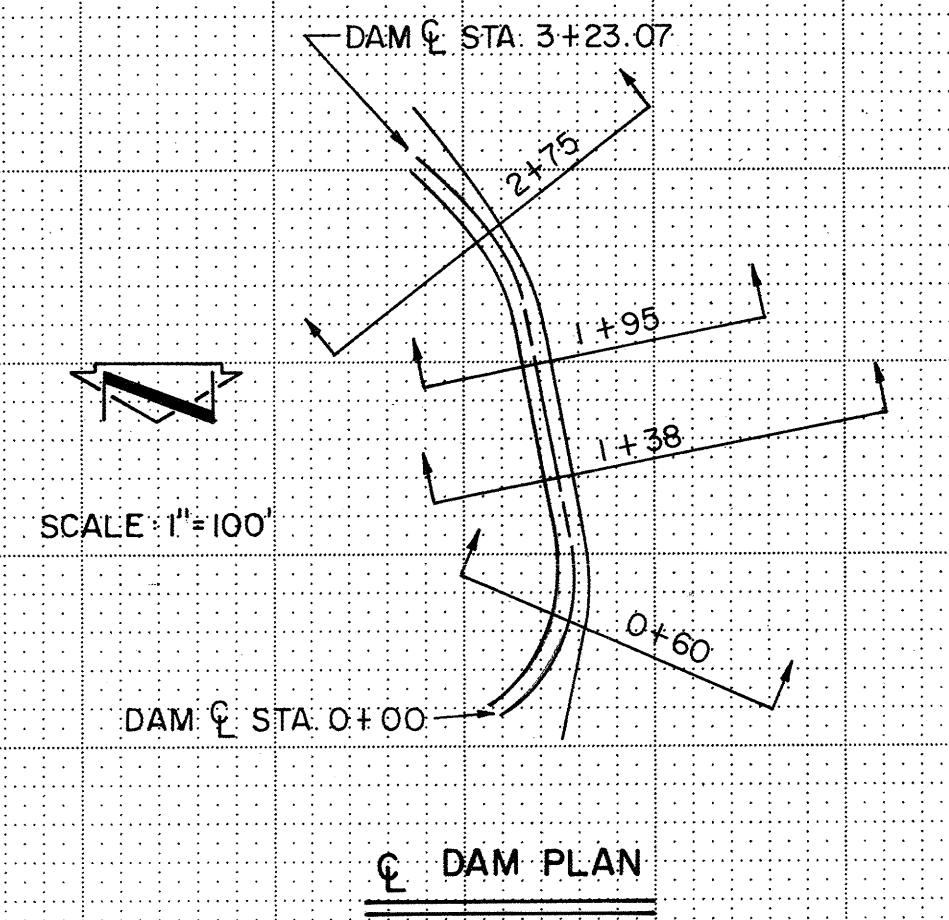
ORIGINAL									
SURVEY									
NOTE BOOK									
NO.									
	SURVEYED								
	PLOTTED								
	TEMPLATE								
	AREAS								
	AREAS CHECKED								
	BY								
	DATE								

SCANLON AND ASSOCIATES
ENGINEERS PLANNERS

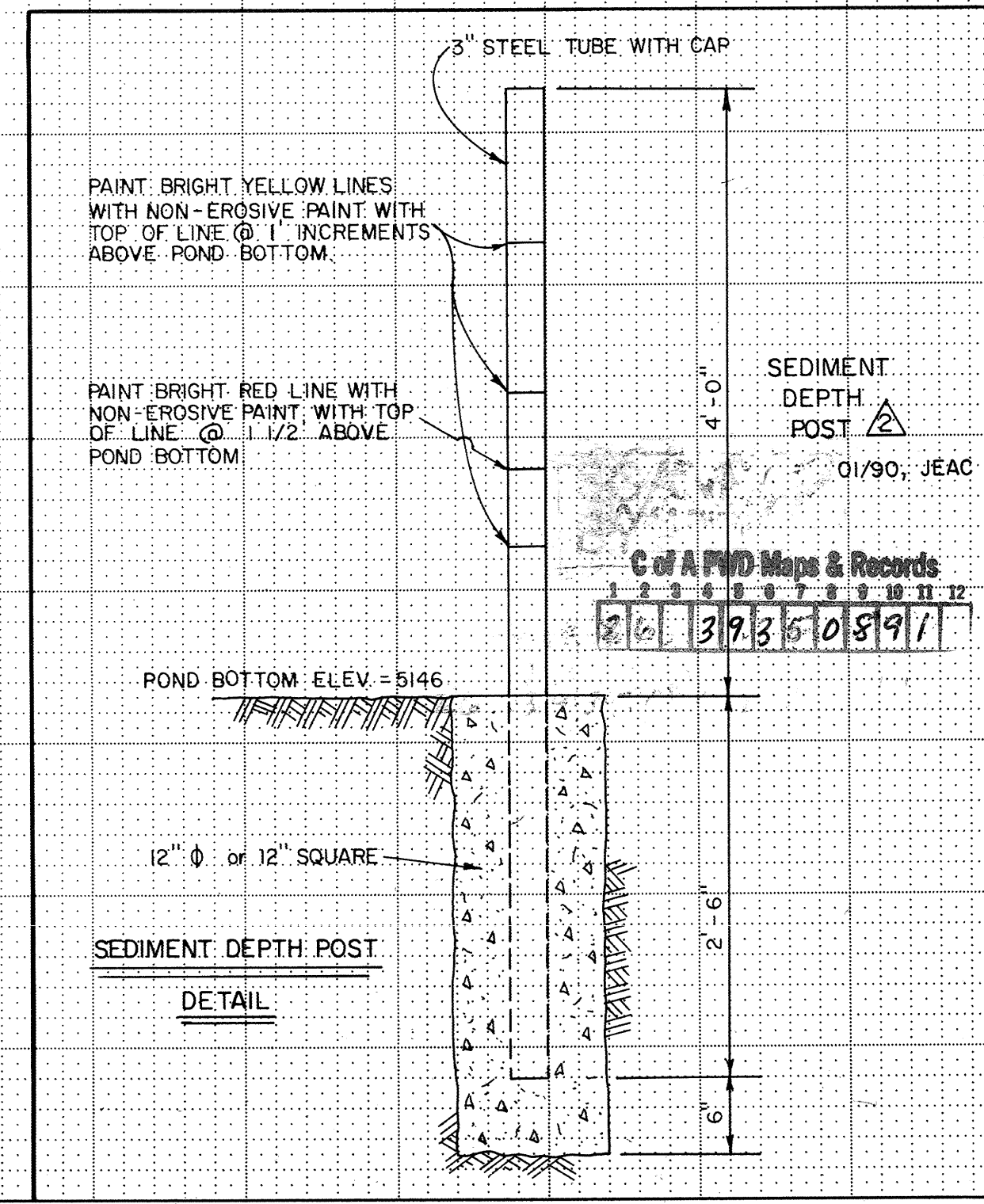


RECORD DRAWING
7/16/90

SCALE: 1"=10'



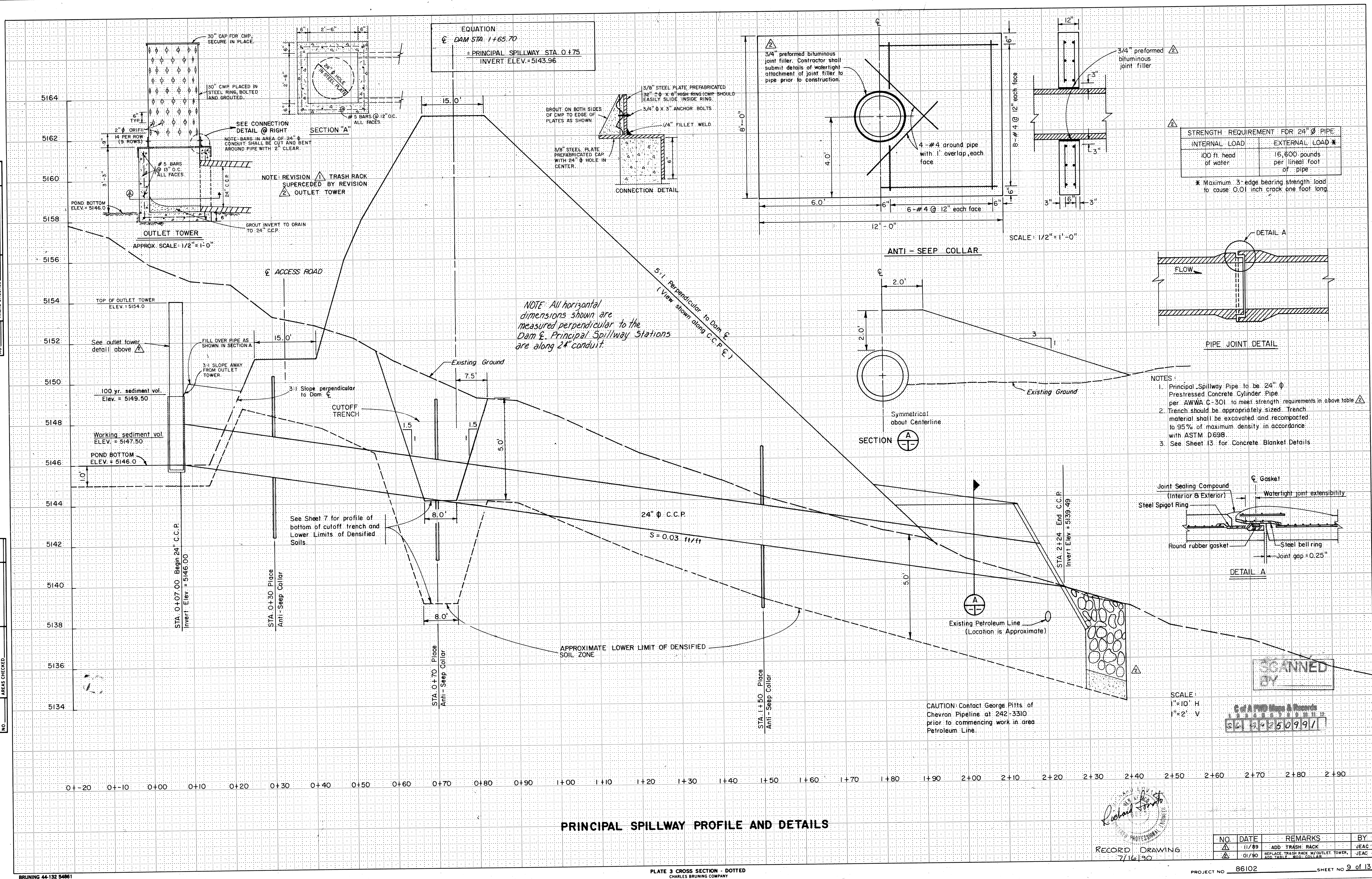
- NOTES:**
1. All sections are shown perpendicular to the Dam $\angle$.
 2. The crest of the Dam is 15' wide except for the ends where the crest is widened for service vehicles to turn.
 3. The Access Road is 15' wide perpendicular to the Access Road $\angle$. The road appears wider on these sections because they are skewed with respect to the Road $\angle$.
 4. For Foundation Treatment See Sheet 7.
 5. All stations are $\angle$ Dam.



SCANNED BY _____

ORIGINAL			BY	DATE
SURVEYED				
PLOTTED				
TEMPLATE				
AREAS				

SCANLON AND ASSOCIATES
ENGINEERS PLANNERS



PRINCIPAL SPILLWAY PROFILE AND DETAILS

PLATE 3 CROSS SECTION - DOTTED
CHARLES BRUNING COMPANY
MADE IN U.S.A.

RECORD DRAWING
7/16/90

NO.	DATE	REMARKS	BY
△	11/89	ADD TRASH RACK	JEAC
△	01/90	REPLACE TRASH RACK W/ OUTLET TOWER, ADD TABLE, MOD. COLLAR	JEAC

PROJECT NO 86102 SHEET NO 9 of 13

SAFCO PRODUCTS • NEW HOPE, MINNESOTA
REORDER BY PART NUMBER 8553
----- POSITION EDGE OF PRINT ON THIS LINE -----

SAFCO PRODUCTS • NEW HOPE, MINNESOTA
REORDER BY PART NUMBER 6553
----- POSITION EDGE OF PRINT ON THIS LINE -----

SAFCO PRODUCTS • NEW HOPE, MINNESOTA
REORDER BY PART NUMBER 8553
 _____ POSITION EDGE OF PRINT ON THIS LINE _____

SAFCO PRODUCTS • NEW HOPE, MINNESOTA
 PREORDER BY PART NUMBER 8553
 POSITION EDGE OF PRINT ON THIS LINE

--- POSITION EDGE OF PRINT ON THIS LINE ---

POSITION EDGE OF PRINT ON THIS LINE -----

— POSITION EDGE OF PAINT ON THIS LINE —

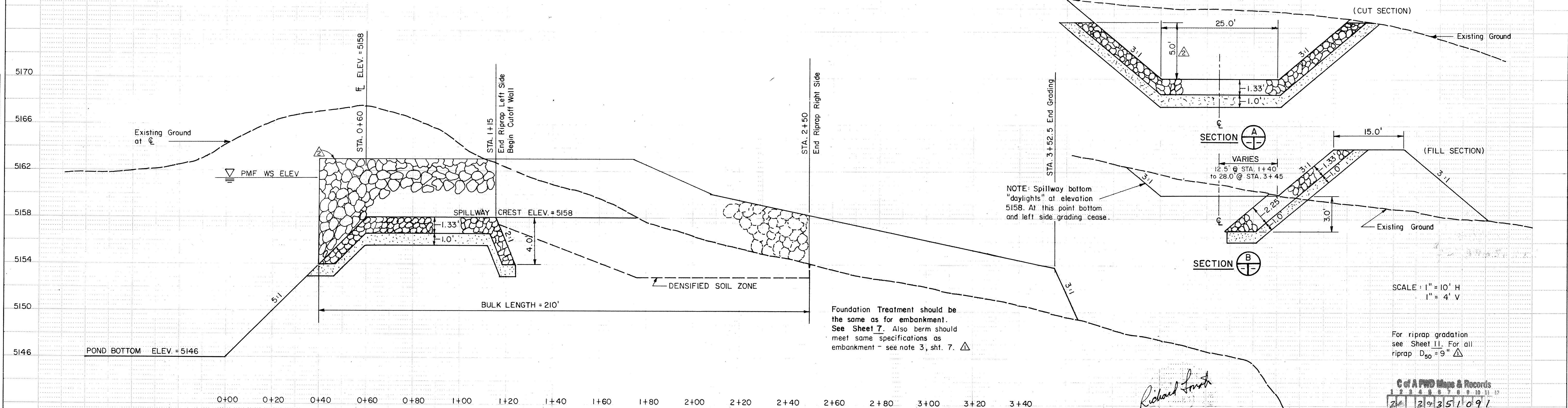
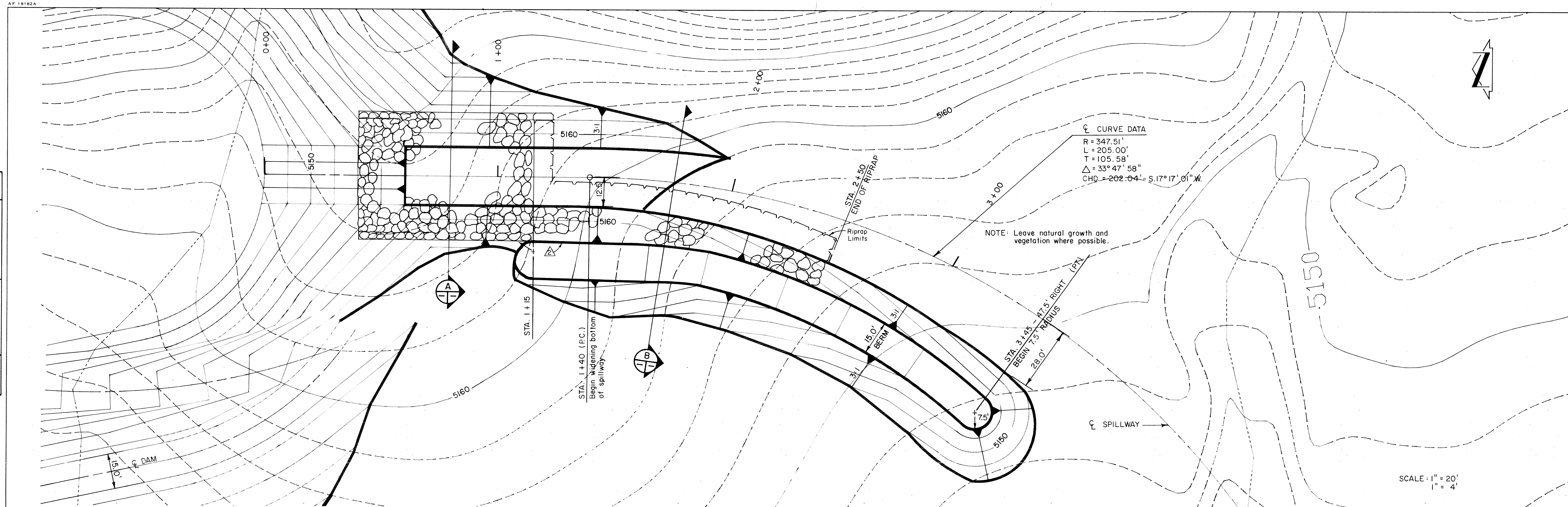
— POSITION EDGE OF PRINT ON THIS LINE —

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

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



SCANLON & ASSOCIATES™
CONSULTING ENGINEERS



EMERGENCY SPILLWAY PLAN AND PROFILE

RECORD DRAWING
7/16/90

NO.	DATE	REMARKS	BY
1	11/89	NOTE CLARIFICATIONS	JEAC
2	01/90	BERM RAISED	JEAC

SCANNED BY

DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER
2639351191

DRAWING NUMBER

SAFOD PRODUCTS • NEW HOPE, MINNESOTA
POSITION BASE OF POINT ON THIS LINE

SAFOD PRODUCTS • NEW HOPE, MINNESOTA
POSITION BASE OF POINT ON THIS LINE

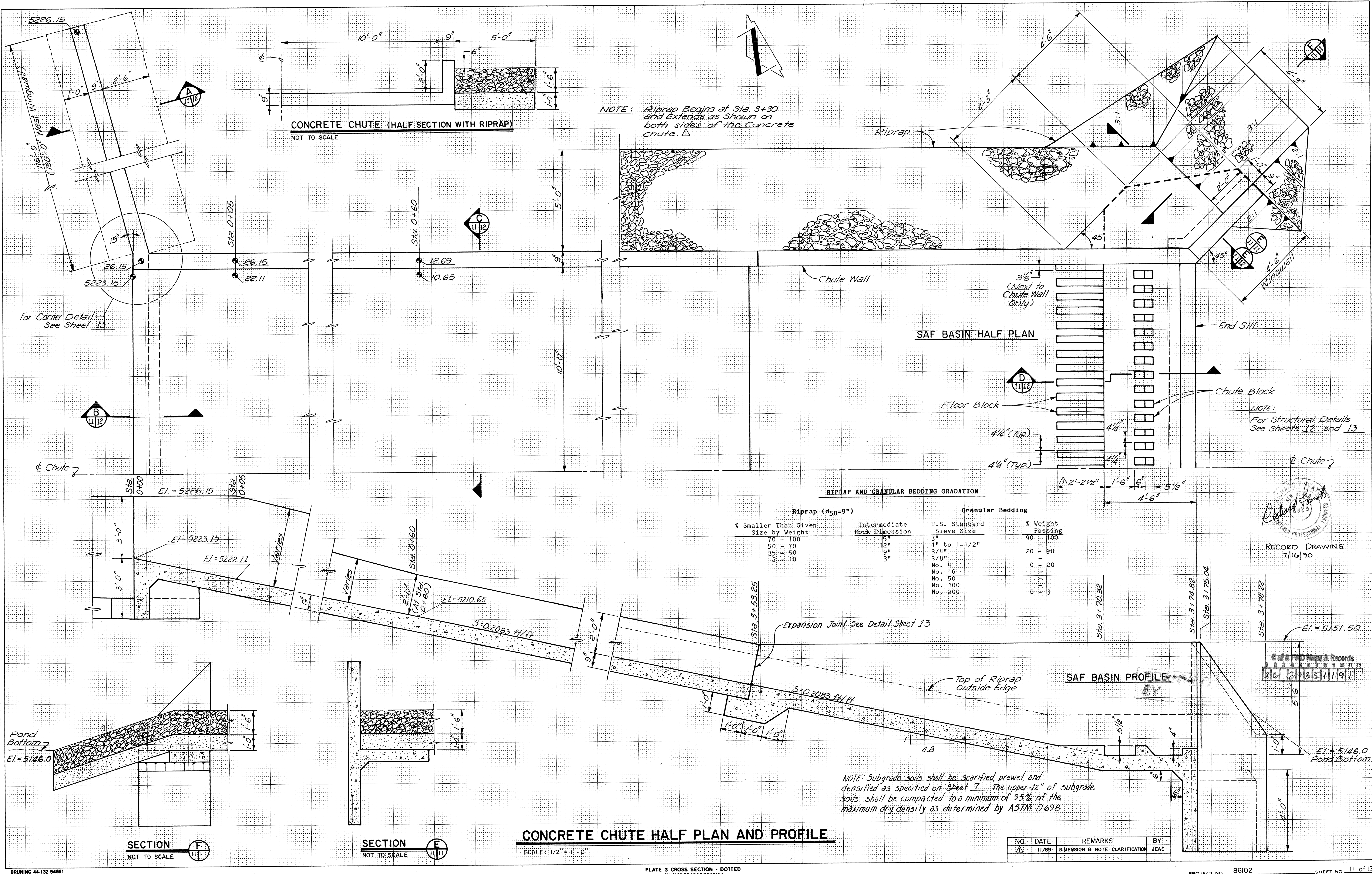
SAFOD PRODUCTS • NEW HOPE, MINNESOTA
POSITION BASE OF POINT ON THIS LINE

SAFOD PRODUCTS • NEW HOPE, MINNESOTA
POSITION BASE OF POINT ON THIS LINE

DATE	BY
FINAL SURVEY	
NO. BOOK	
NO. SHEET	
NO. PLANT	
NO. AREA	
NO. CHECKED	

SCANLON AND ASSOCIATES
ENGINEERS PLANNERS

DATE	BY
ORIGINAL SURVEY	
NO. BOOK	
NO. SHEET	
NO. PLANT	
NO. AREA	
NO. CHECKED	



RECORD DRAWING
7/14/90

Cut and Fill Mass & Records
10 11 12
13 14 15 16 17 18 19 20

NO.	DATE	REMARKS	BY
1	11/89	DIMENSION & NOTE CLARIFICATION	JEAC

SCANNED BY

DRAWING NUMBER

DRAWING NUMBER

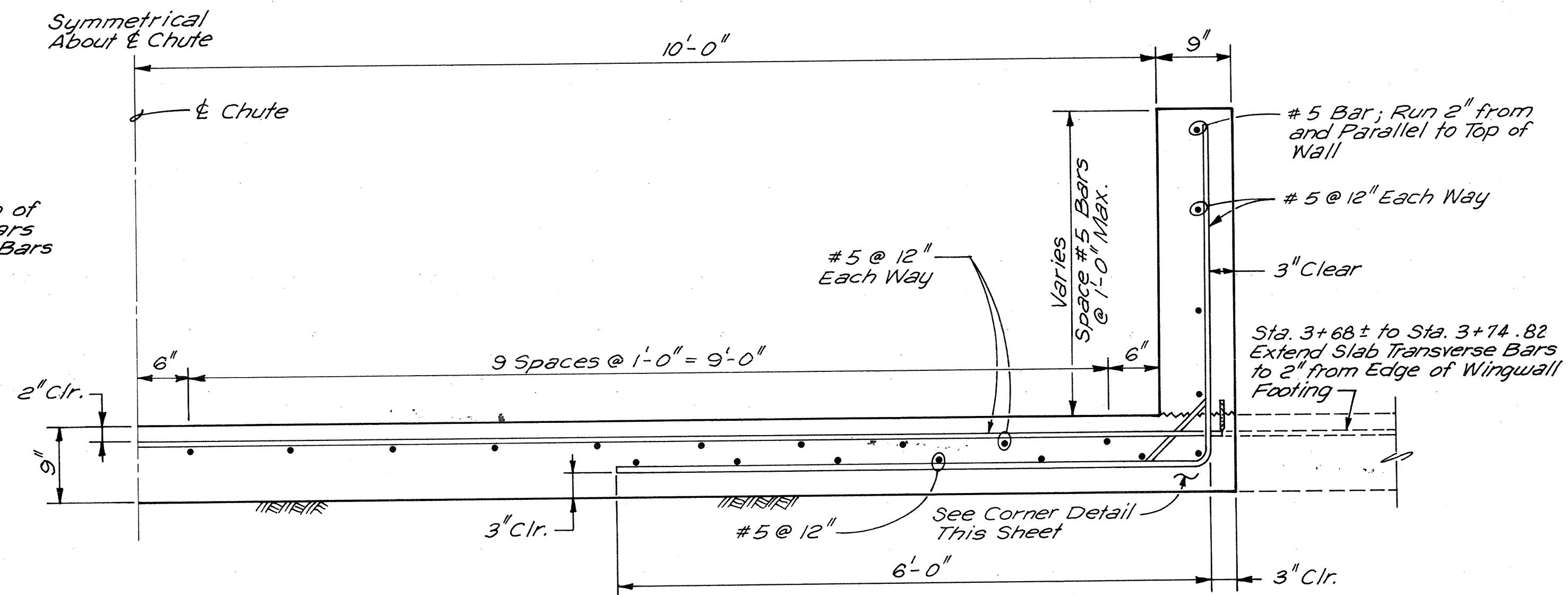
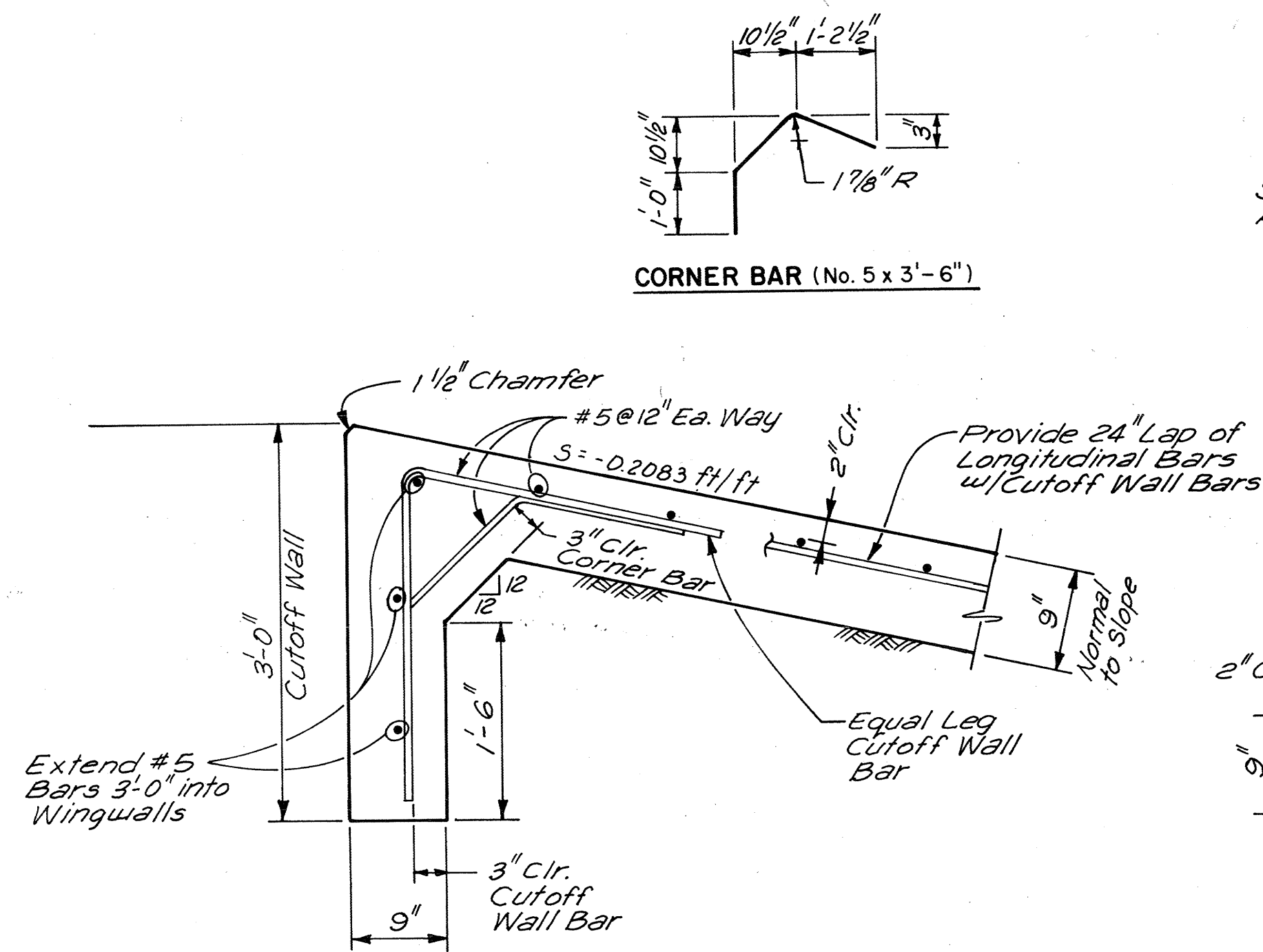
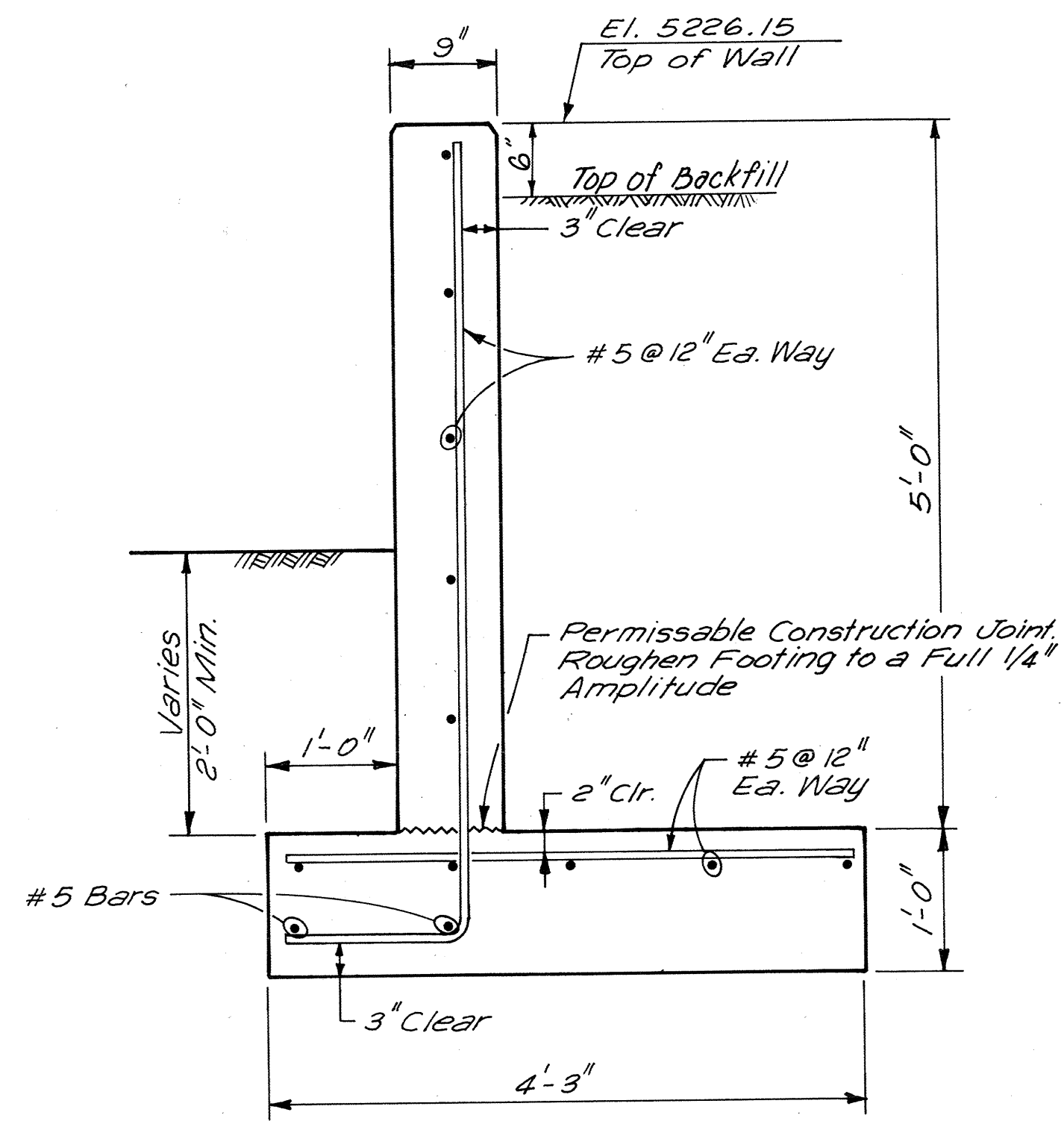
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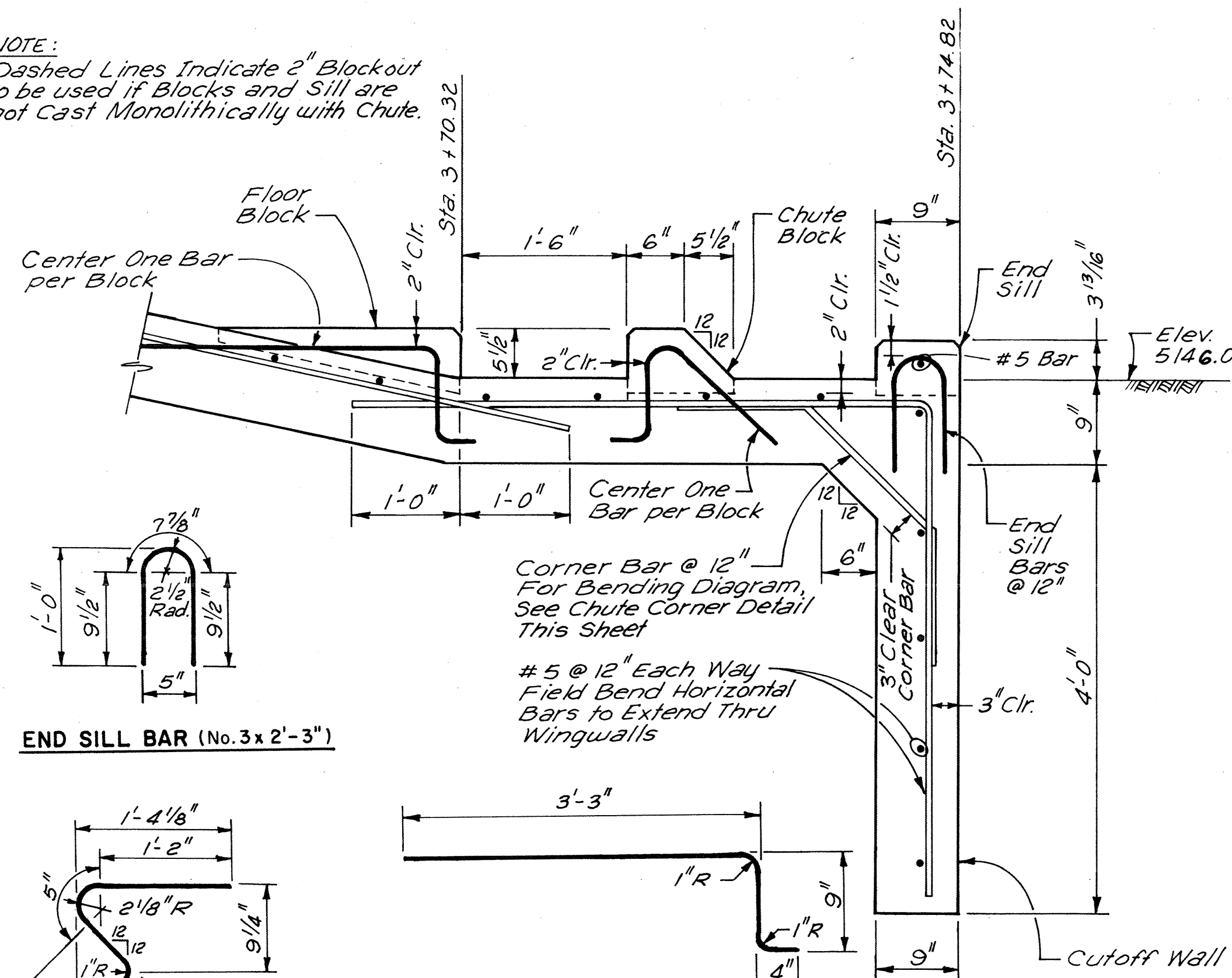
SAFCD PRODUCTS • NEW HOPE, MINNESOTA
REPRODUCED BY PART NUMBER 5533
POSITION EDGE OF PRINT ON THIS LINESAFCD PRODUCTS • NEW HOPE, MINNESOTA
REPRODUCED BY PART NUMBER 5533
POSITION EDGE OF PRINT ON THIS LINE

26 3935 1291

S

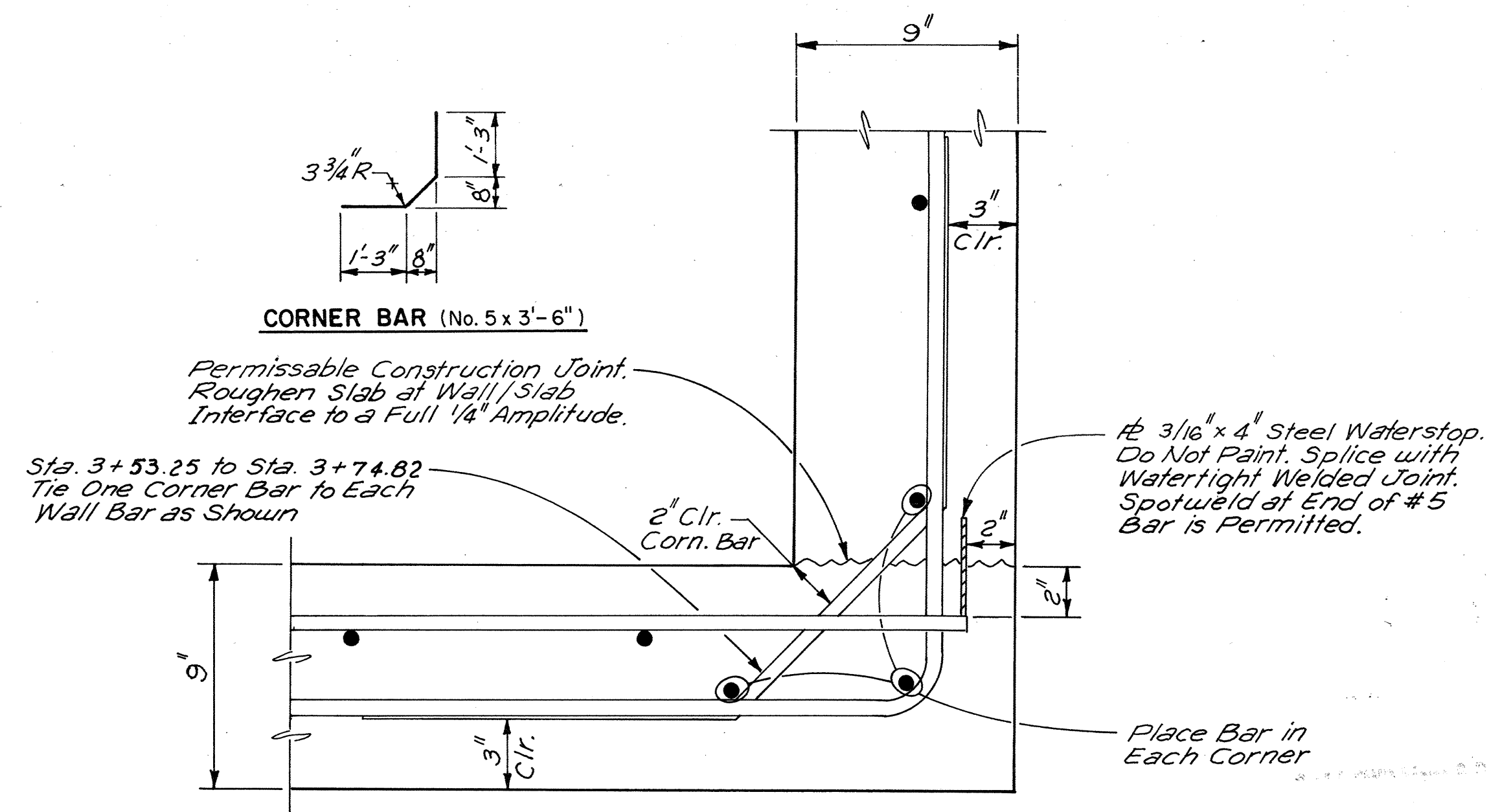
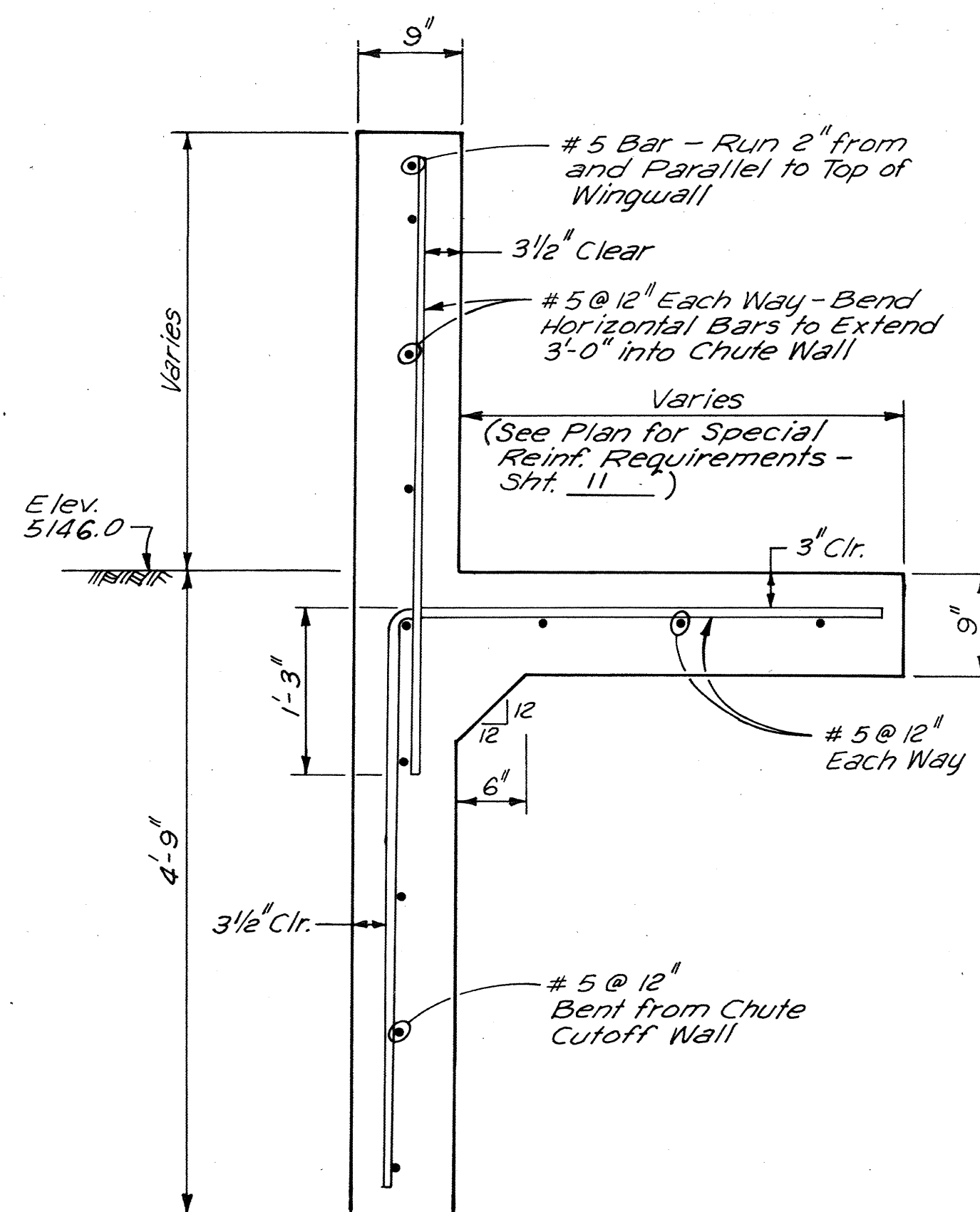
SAFCD PRODUCTS • NEW HOPE, MINNESOTA
REPRODUCED BY PART NUMBER 5533
POSITION EDGE OF PRINT ON THIS LINE

NOTE:
Dashed Lines Indicate 2" Blockout
to be used if Blocks and Sill are
not Cast Monolithically with Chute.



CHUTE BLOCK BAR (No. 3x2'-7")

FLOOR BLOCK BAR (No. 3x4'-4")

RECORD DRAWING
7/16/70SOUTH BROADWAY LANDFILL
DIVERSION CHANNEL & DETENTION POND

STRUCTURAL SECTIONS

SOLID WASTE DEPARTMENT, CITY OF ALBUQUERQUE

DATE MAY 1989 JOB NO. 86102 SCALE AS SHOWN DRAWN MZM CHECKED JEAC SHEET 12 OF 13

SCANLON & ASSOCIATES
CONSULTING ENGINEERS

DRAWING NUMBER

SAPCO PRODUCTS • NEW HOPE, MINNESOTA
POSITION BASED ON PRINT ON THIS LINE

DRAWING NUMBER

SAPCO PRODUCTS • NEW HOPE, MINNESOTA
POSITION BASED ON PRINT ON THIS LINE

DRAWING NUMBER

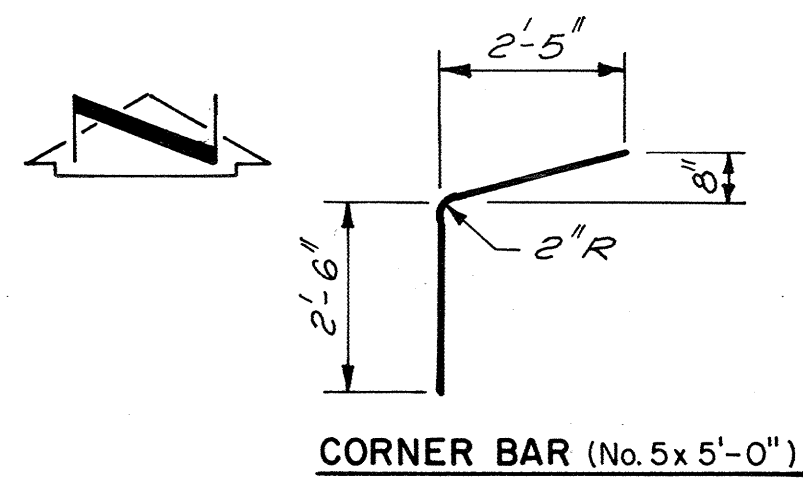
2639351391

SAPCO PRODUCTS • NEW HOPE, MINNESOTA
POSITION BASED ON PRINT ON THIS LINE

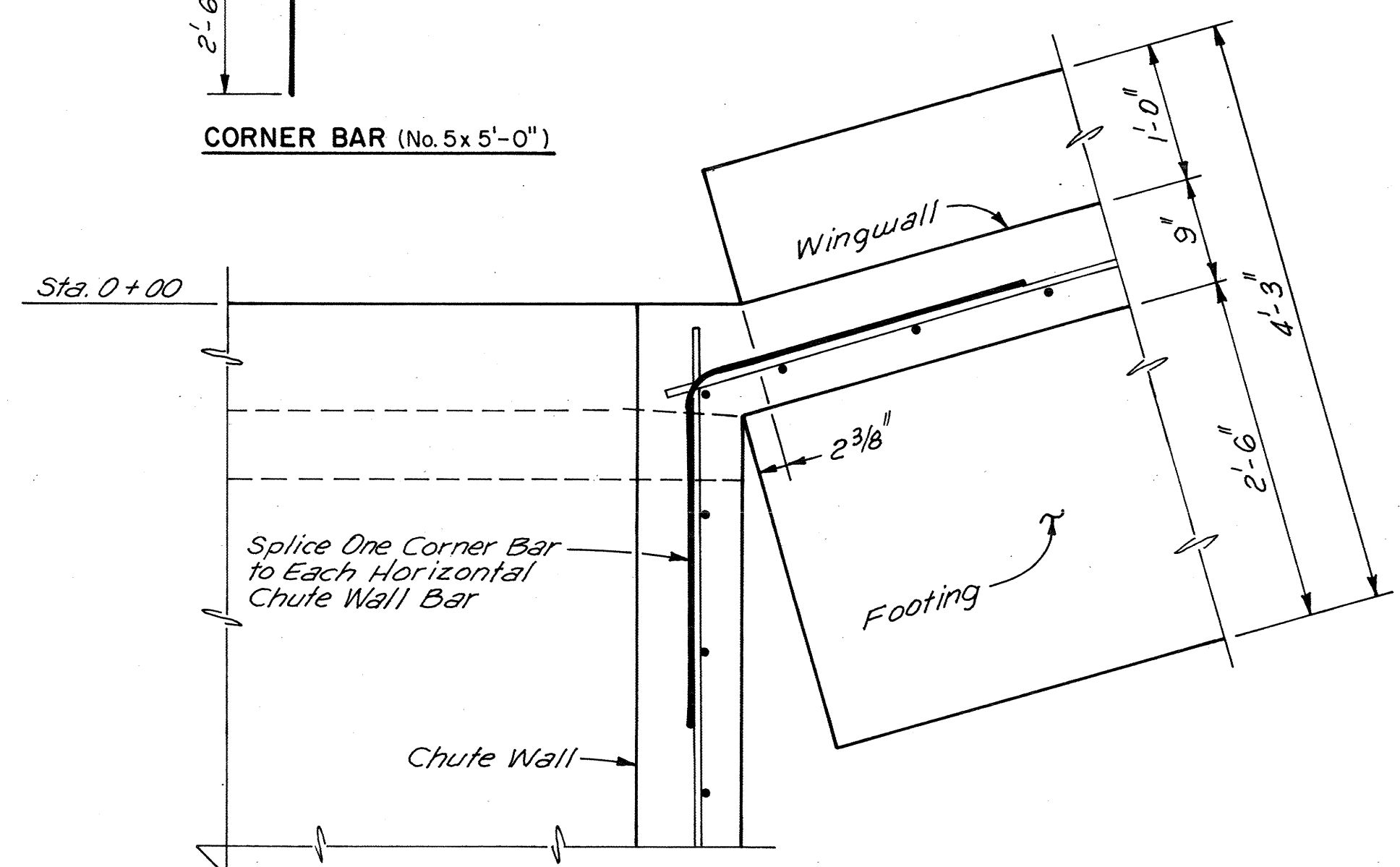
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SAPCO PRODUCTS • NEW HOPE, MINNESOTA
POSITION BASED ON PRINT ON THIS LINE

101410

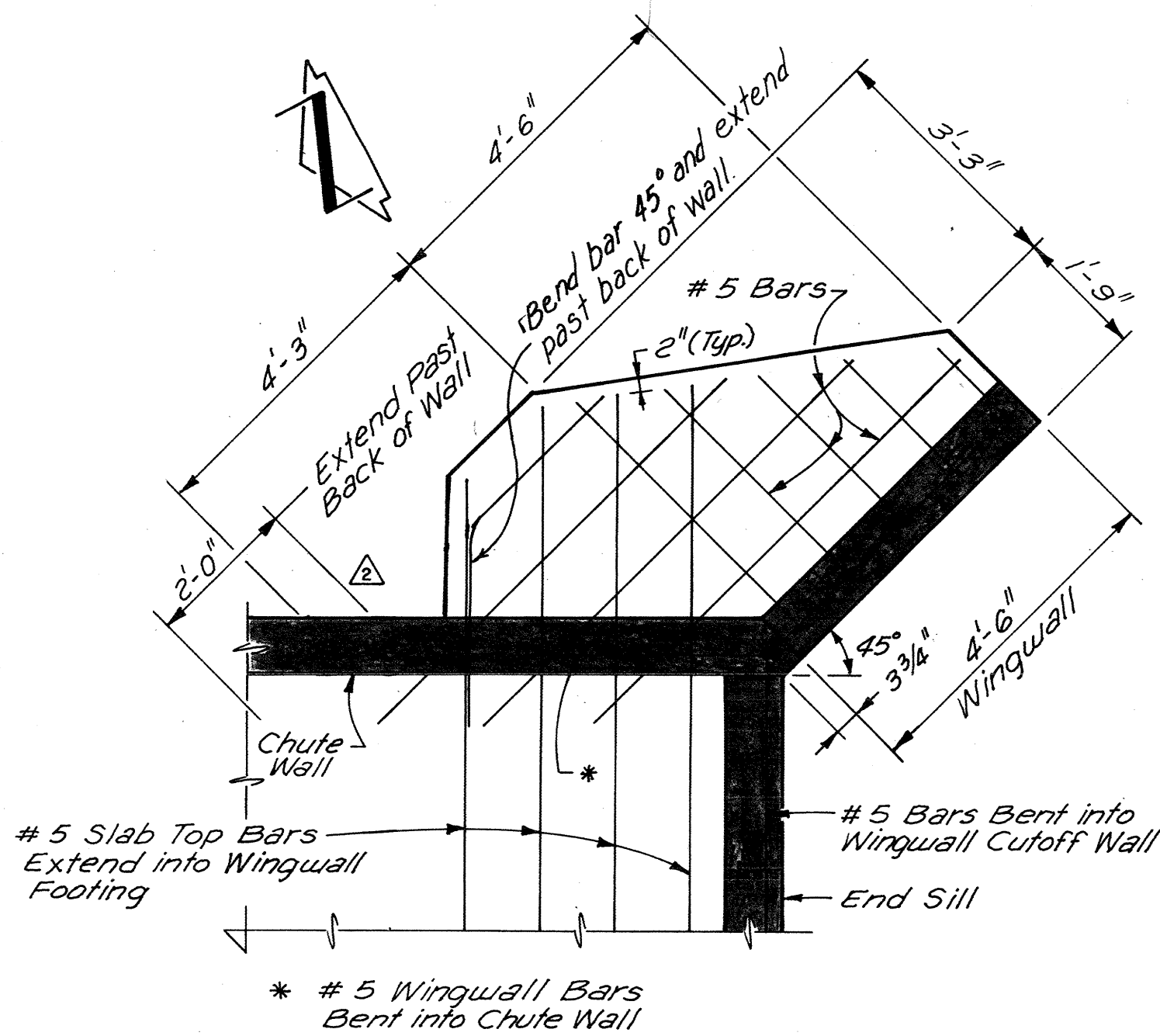


CORNER BAR (No. 5 x 5'-0")



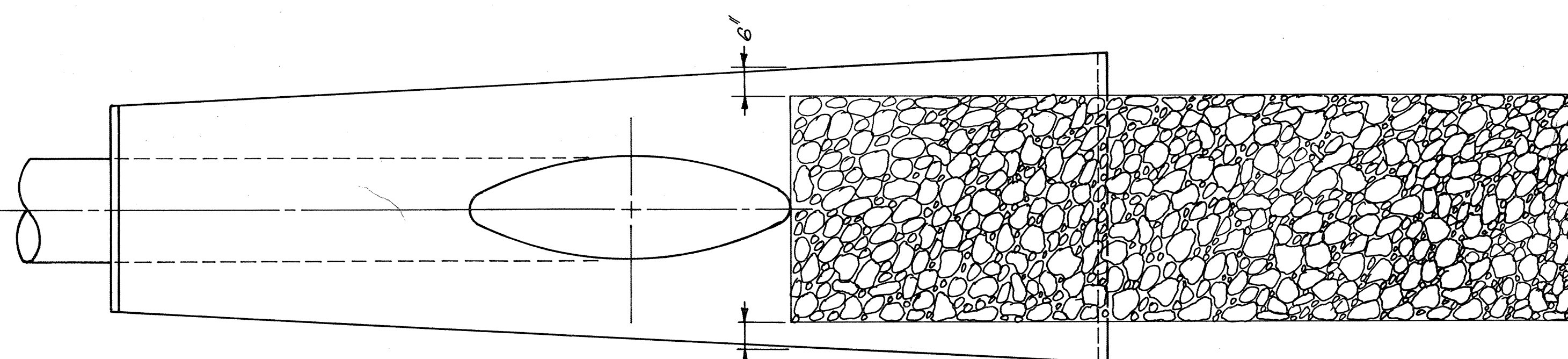
CORNER DETAIL - PLAN (STA. 0+00)

1" = 1'-0"

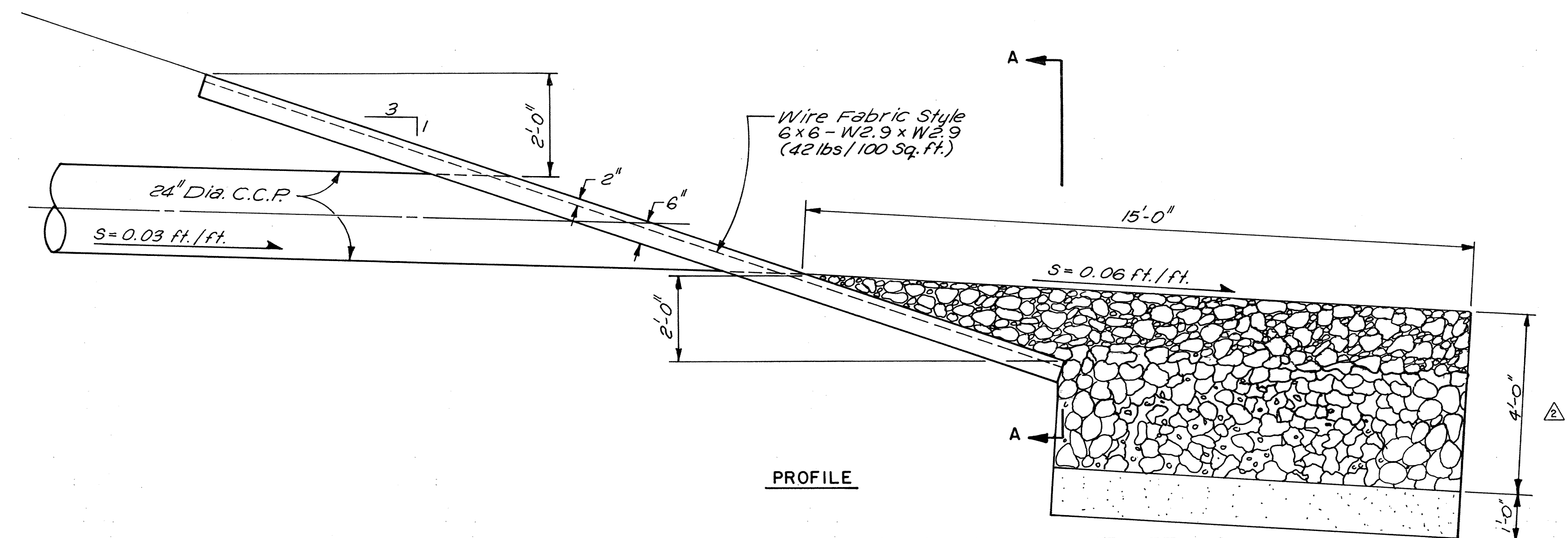


PLAN AT WINGWALL

1/2" = 1'-0"



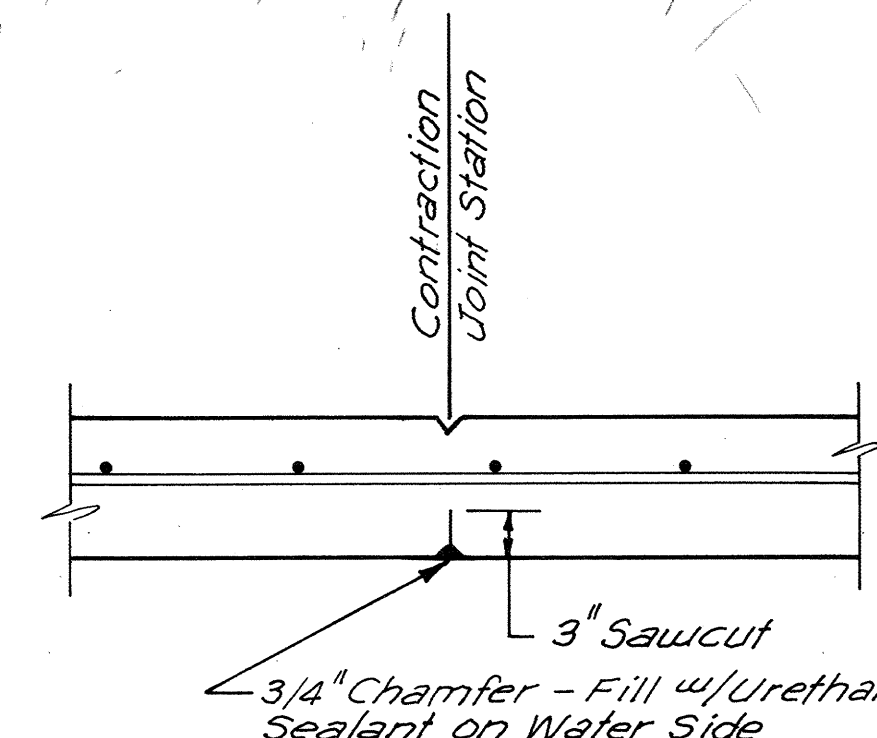
PLAN



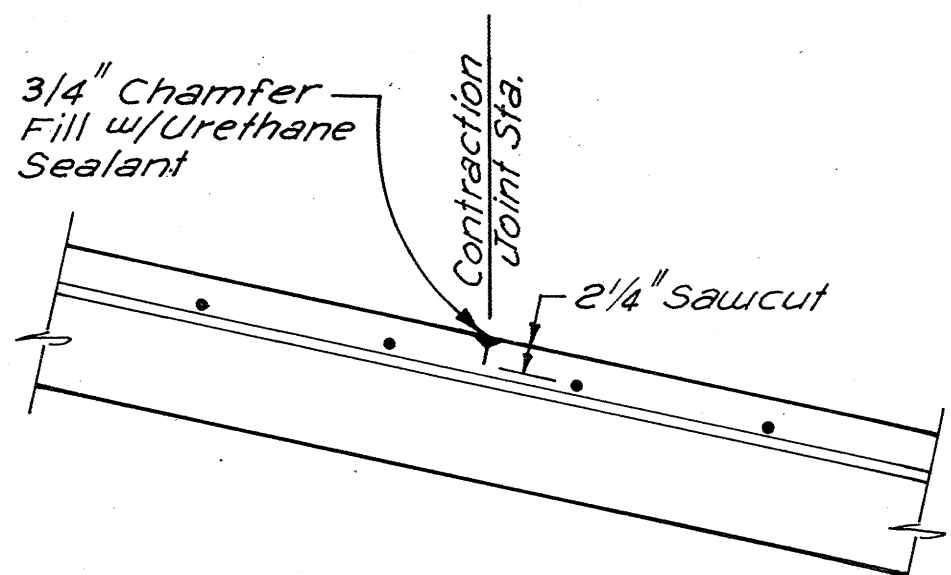
PROFILE

CONCRETE BLANKET DETAILS

1/2" = 1'-0"



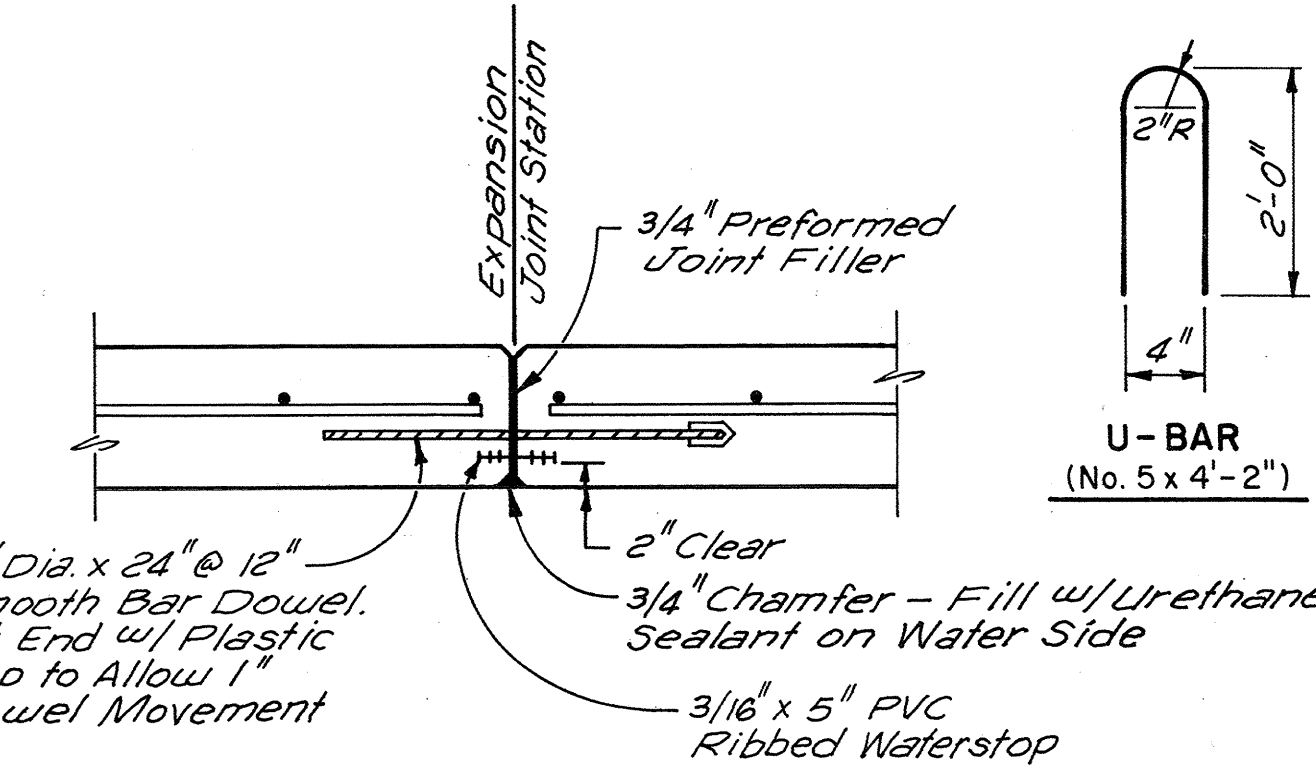
HORIZONTAL SECTION THRU WALL



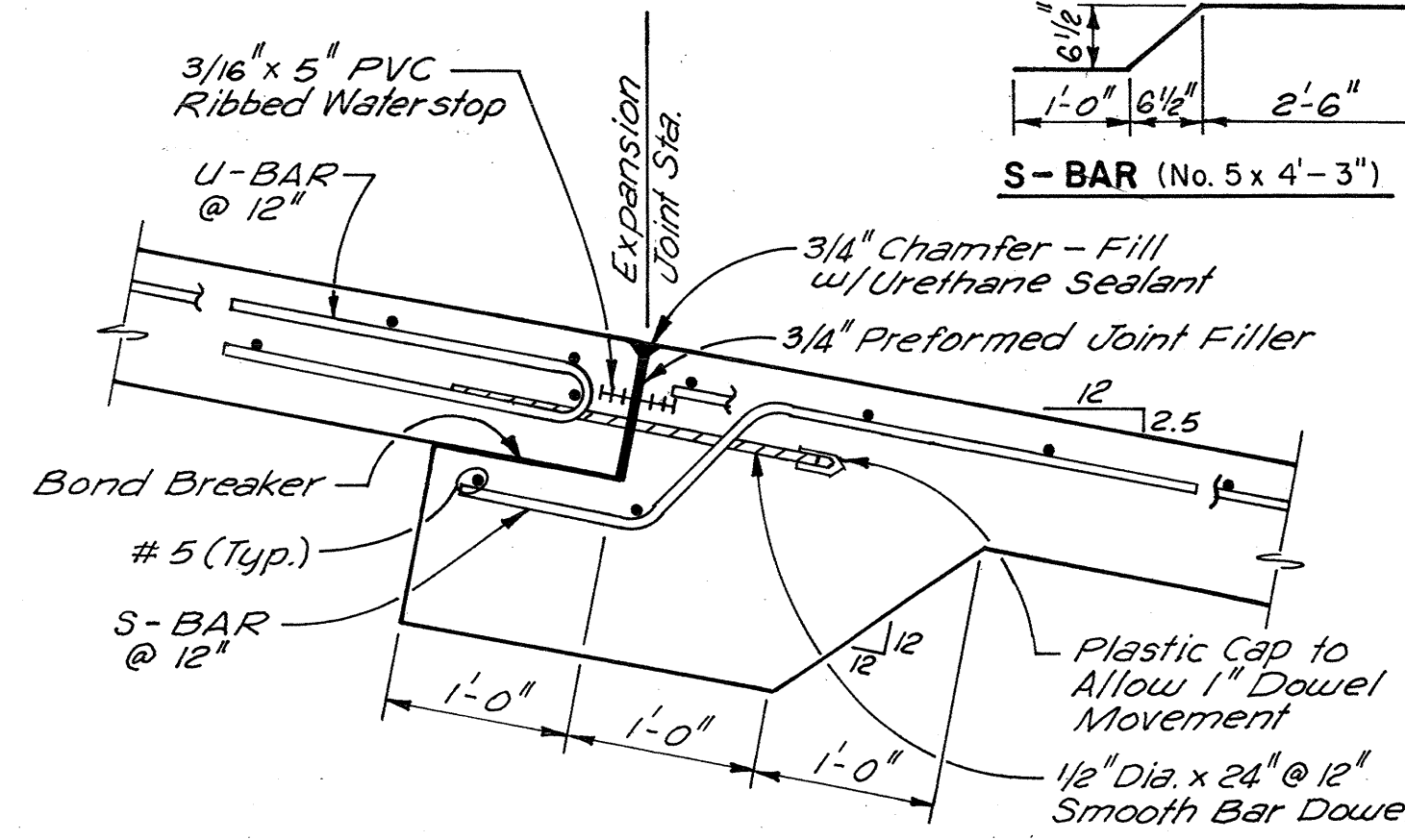
VERTICAL SECTION THRU SLAB

CONTRACTION JOINT DETAILS

1" = 1'-0"



HORIZONTAL SECTION THRU WALL



VERTICAL SECTION THRU SLAB

EXPANSION JOINT DETAILS

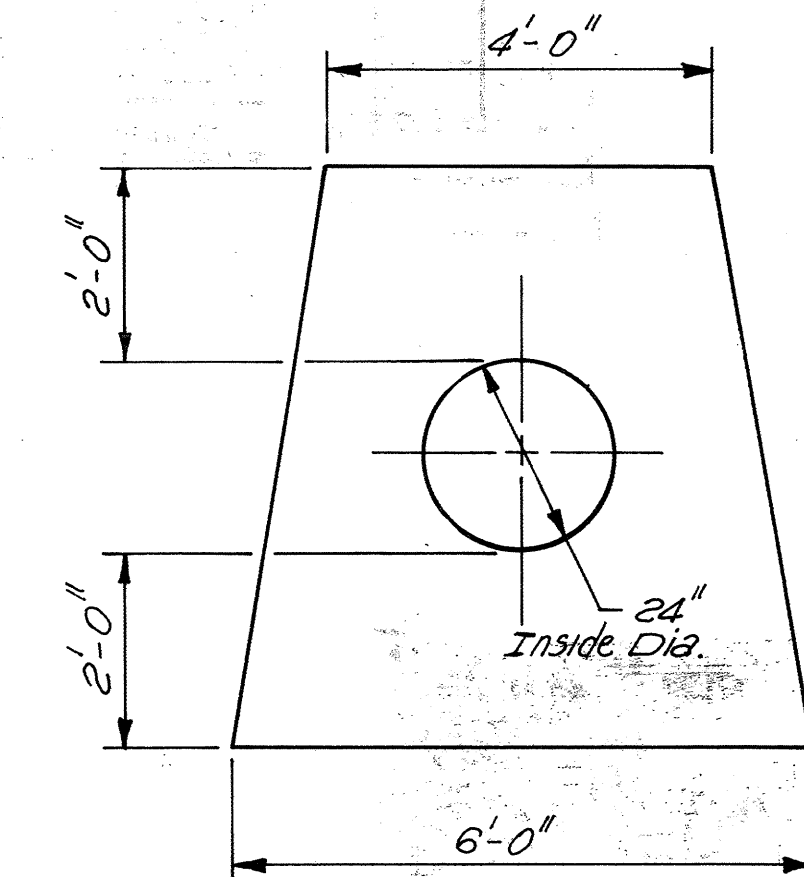
1" = 1'-0"

GENERAL NOTES (CONCRETE BLANKET)

- ~~The concrete blanket as shown represents the downstream end of the pipe. The upstream end should be constructed the same; however, the riprap should have zero slope and the pipe will slope opposite of the blanket.~~
- Place riprap to fit natural ground where possible. For riprap and granular bedding gradation, see Sheet 11.
- Pipe end shall be bevelled flush to slope blanket. Any exposed steel shall be covered with mortar or corrosion resistant paint.
- ~~See sheet 9 for trash rack detail at upstream end of conduit.~~

DELETED PER REVISION

DELETED PER REVISION



VIEW "A-A"
(RIPRAP, ETC., OMITTED FOR CLARITY)



RECORD DRAWING
7/16/90

City of Albuquerque
2639351391

CHUTE JOINT LOCATIONS	
STATION	JOINT TYPE
0+00	BEGIN
0+30	CONTRACTION
0+60	CONTRACTION
0+90	EXPANSION
1+20	CONTRACTION
1+50	CONTRACTION
1+80	EXPANSION
2+10	CONTRACTION
2+40	CONTRACTION
2+70	EXPANSION
3+00	CONTRACTION
3+30	CONTRACTION
3+53.25	EXPANSION
3+78.22	END

NOTE: Contraction Joints Shall be Placed in Upstream Wingwalls at 30' Maximum Spacing.

CHUTE JOINT LOCATION TABLE

SOUTH BROADWAY LANDFILL
DIVERSION CHANNEL & DETENTION POND

STRUCTURAL DETAILS

SOLID WASTE DEPARTMENT, CITY OF ALBUQUERQUE

DATE	JOB NO.	SCALE	DRAWN	CHECKED	SHEET
MAY 1989	86102	AS SHOWN	MZM	JEAC	13

SCANLON & ASSOCIATES
CONSULTING ENGINEERS

SCANNED BY