PLUM CREEK WATERSHED PROJECT

FLOODWATER RETARDING DAM NO. 12

DRAINAGE AREA	2,317 ACRES
TOTAL STORAGE	1,599 AC. FT.
WATER SURFACE AREA	55 ACRES
HEIGHT OF DAM	27 FEET
VOLUME OF FILL	105,870 CU.YDS.

BUILT UNDER THE WATERSHED PROTECTION
AND FLOOD PREVENTION ACT

BY

HAYS-CALDWELL – TRAVIS SOIL CONSERVATION DISTRICT

AND

PLUM CREEK CONSERVATION DISTRICT

WITH THE ASSISTANCE OF

SOIL CONSERVATION SERVICE

OF THE

U. S. DEPARTMENT OF AGRICULTURE

1962

As Built Plans
Construction completed 6-7-63

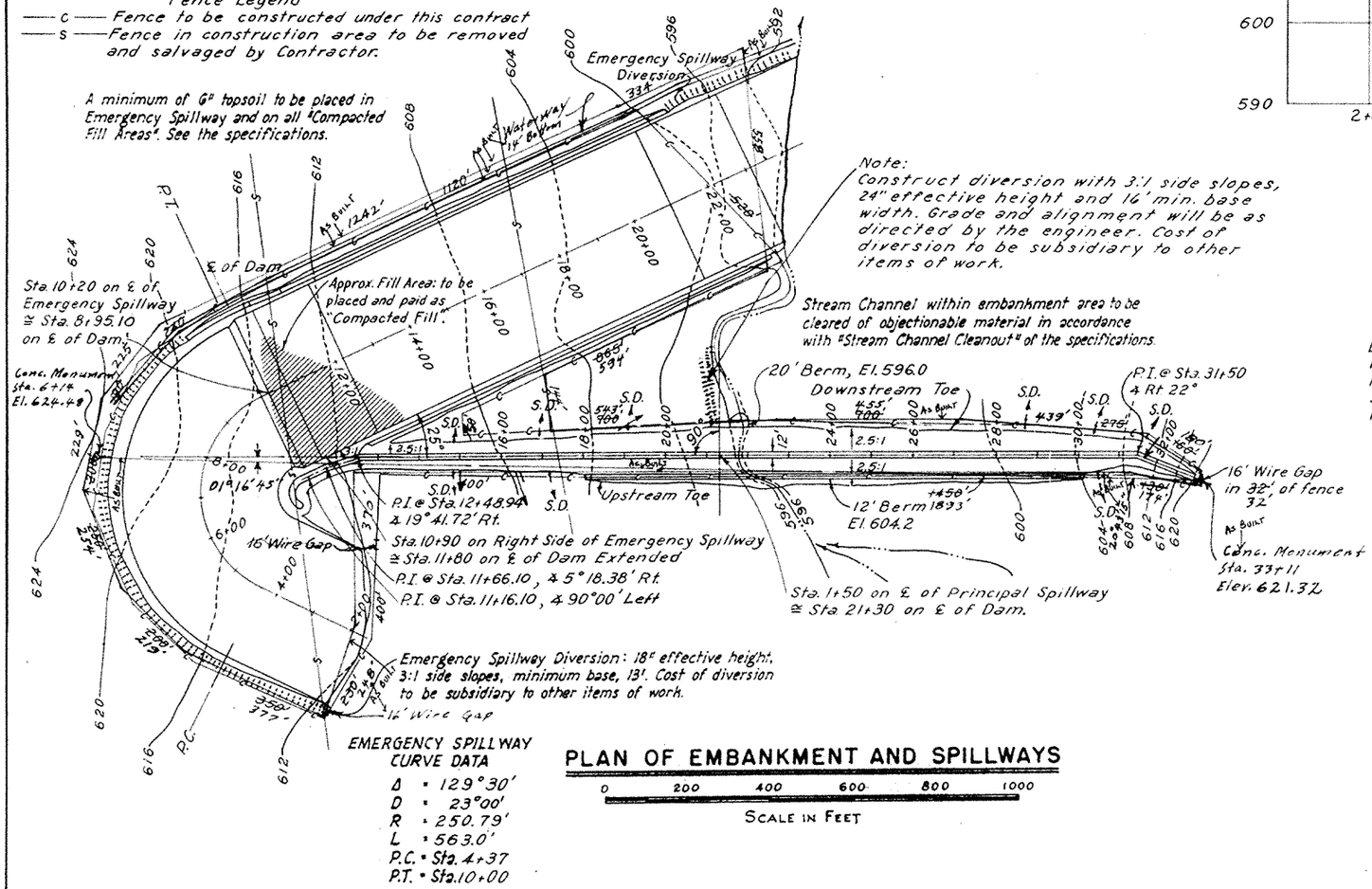
CONSTRUCTION DRAWINGS APPROVED

Howard Matson 6/4/62
HEAD ENGINEERING & WATERSHED PLANS NC UNIT — Date
FORT WORTH, TEXAS

Tom Price 6/4/62
STATE CONSERVATION ENGINEER — Date
TEMPLE, TEXAS

SHT. 1 OF 8 SHTS.	4-E-16,771

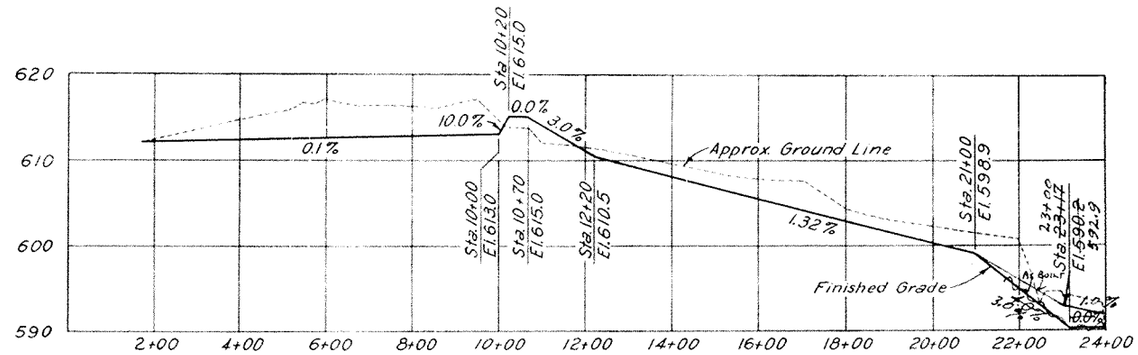
JUL 2 1962



PLAN OF EMBANKMENT AND SPILLWAYS

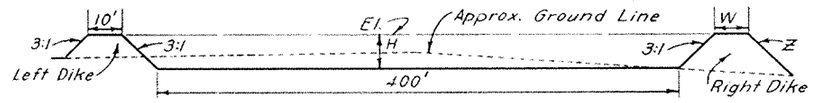
0 200 400 600 800 1000

SCALE IN FEET



PROFILE ON ℄ OF EMERGENCY SPILLWAY

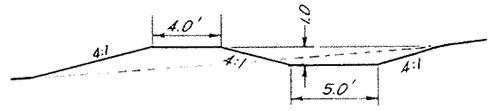
Material forming dikes to be placed and paid as "Compacted Fill".



Left Dike:
From approx. Sta. 9+50 to Sta 10+70, El. 620.0
From Sta. 10+70 to Sta. 11+50 is transition section.
From Sta. 11+50 to approx. Sta. 22+00, H = 4.0'

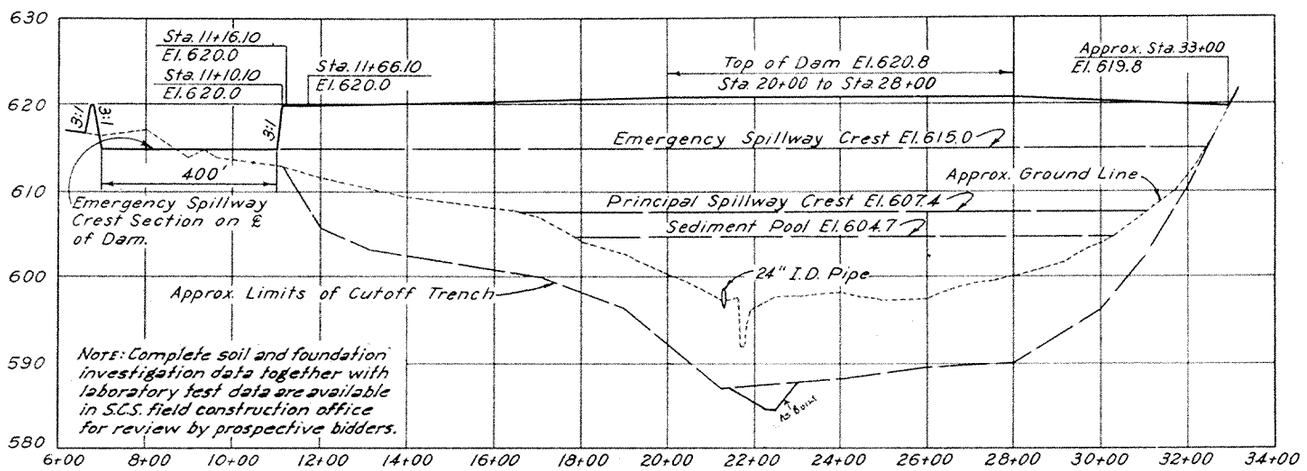
Right Dike:
From Sta. 4+37 to Embankment, El. 620.0; W = 12.0'; Z = 2.5:1.
From intersection with downstream slope of Embankment to approx. Sta. 22+50, H = 4.0'; W = 10.0'; Z = 3:1.

TYPICAL SECTION — EMERGENCY SPILLWAY



Stub Diversions (S.D.) shall be constructed at the approx. locations shown on the Plan of Embankment and Spillways. Minimum section shall be as shown above. Final location, grade and number of stub diversions will be as directed by the Engineer. Stub Diversions shall be placed as "Semi-Compacted Fill" and paid for by the linear foot.

TYPICAL SECTION — STUB DIVERSIONS



PROFILE ON ℄ OF DAM

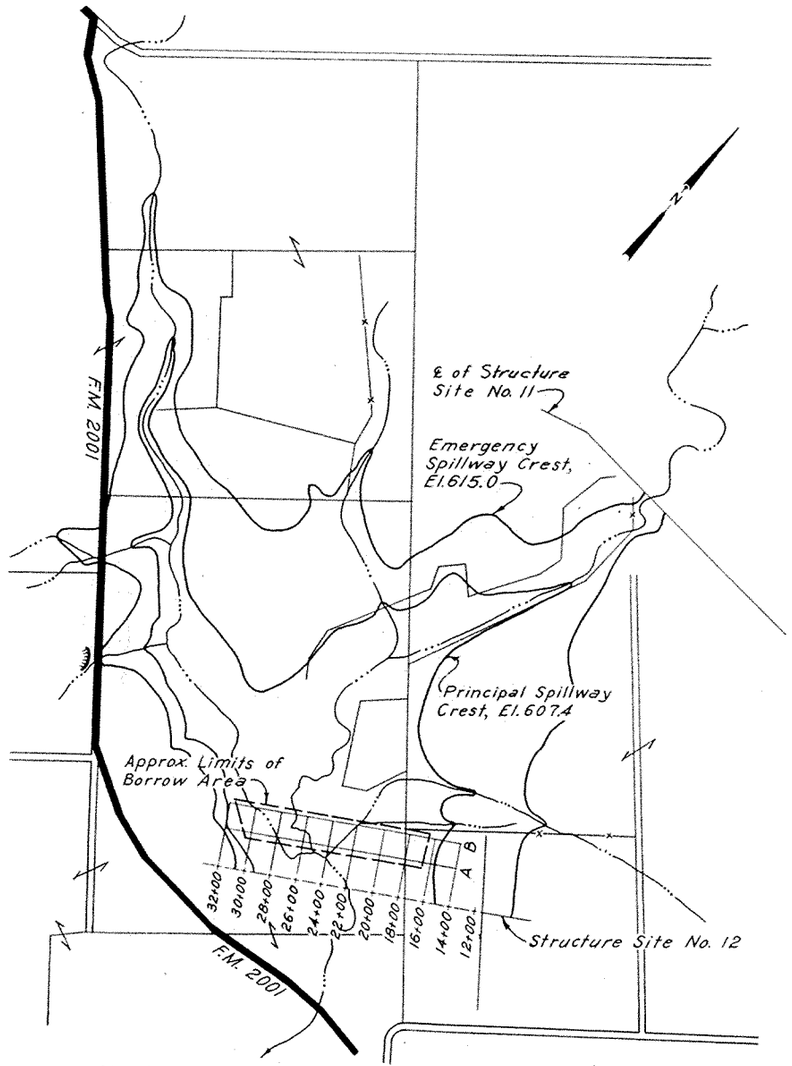
As Built Plans
Construction completed 6-7-63

EMBANKMENT PLAN AND PROFILE
FLOODWATER RETARDING STRUCTURE SITE No. 12
PLUM CREEK WATERSHED
IN
HAYS, CALDWELL AND TRAVIS COUNTIES, TEXAS

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

		Date	
Designed	M.D.K.	5-62	Approved by: WEAR ENGINEERING & WATERSHED PLANNING UNIT, FORT WORTH, TEXAS
Drawn	M.D.K. & J.J.M.	5-62	STATE CONSERVATIONIST, TEMPLE, TEXAS
Traced	J.J.M.	5-62	Sheet No. 2 of 8 — Drawing No. 4-E-16,771
Checked	M.D.K. & G.W.T.	6-62	

JUL 2 1962



Structure located approximately 3 miles north and 6 miles east of Kyle, Hays County, Texas.

VICINITY MAP & GENERAL PLAN OF RESERVOIR

0 660 1320 1980 2640

SCALE IN FEET

Elevation	Surface Acres	Storage	
		Acre Feet	Inches
592.0	0	0	0
596.0	1.1	2.2	.01
600.0	16.0	36.4	.19
604.0	46.4	161.2	.83
604.7	55.0	196.6	1.02
607.4	88.0	389.6	2.02
608.0	95.1	444.2	2.30
612.0	177.8	990.0	5.13
615.0	228.0	1598.7	8.28
616.0	244.7	1835.0	9.50
620.0	334.6	2993.6	15.50

Top of Dam (Effective) Elev.	619.8
Emergency Spillway Crest Elev.	615.0
Principal Spillway Crest Elev.	607.4
Sediment Pool Elev.	604.7
Drainage Area, Acres	2317
Sediment Storage, Acre Feet	444
Floodwater Storage, Acre Feet	1155
Max. Emergency Spillway Cap., c.f.s.	9060

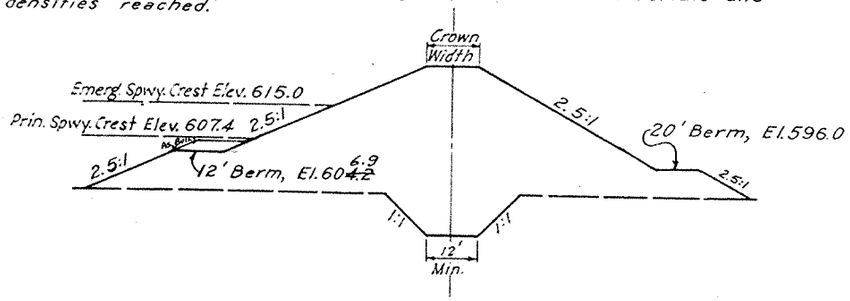
TABULATION - RECOMMENDED USE OF MATERIALS

Sec No.	Embankment Section Description	Source of Fill Material Location	Ave. Depth Feet From	Ave. Depth Feet To	Lab. Test Modified Standard** Max Dry Den.	Lab. Test Modified Standard** Opt'm Moist	Compaction Requirements Min. Dry Density Lbs Per Cu. Ft.	Compaction Requirements Moisture Range Percent From	Compaction Requirements Moisture Range Percent To	Lab. Curve No.
	Interior Sections	Borrow	0	4	110.5	16.5	100	15	up	1*
		Borrow	7	13	Like Curve No. 1					
		Emergency Spillway	0	4	107.0	18.0	97	16	up	3*
		Emergency Spillway	7	Grade	Like Curve No. 3					
	Outer Sections	Borrow	4	7	109.0	16.5	104	15	up	2**
		Emergency Spillway	4	7	105.0	18.5	100	16	up	4**

The Engineer will direct a selective placement of all fill materials in consideration of the preferred uses shown in the table above.

Maximum dry density, optimum moisture, minimum acceptable dry density and moisture range shown are for material particles passing the number 4 sieve. If the material being placed contains 1/4" or larger rock particles, the minimum acceptable dry density and moisture range will be corrected for the presence of rock.

No upward placement moisture limits are established. Upward limits of placement moisture will be determined during construction by the Engineer, based on the workability aspects of the materials and densities reached.



TYPICAL SECTION

EMBANKMENT DATA

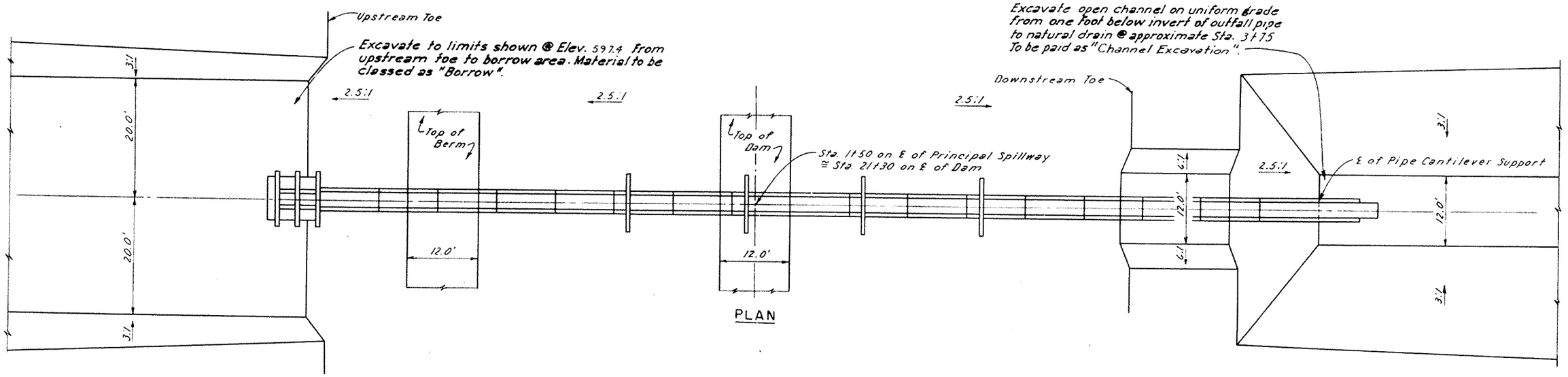
As Built Plans
Const. completed 6-7-63

GENERAL PLAN OF RESERVOIR
FLOODWATER RETARDING STRUCTURE SITE No. 12
PLUM CREEK WATERSHED
IN
HAYS, CALDWELL AND TRAVIS COUNTIES, TEXAS

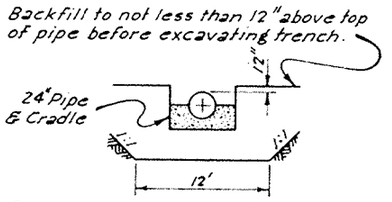
U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Designed M.D.K.	Date 5-62	Approved by: HEAD, ENGINEERING & WATERSHED PLANNING UNIT, FORT WORTH, TEXAS	
Drawn M.D.K. & J.J.M.	5-62	STATE CONSERVATIONIST, S. C. S.	
Traced J.J.M.	5-62	TEMPLE, TEXAS	
Checked M.D.K. & G.W.T.	6-62	Sheet No. 3 of 8	Drawing No. 4-E-16,771

JUL 2 1962

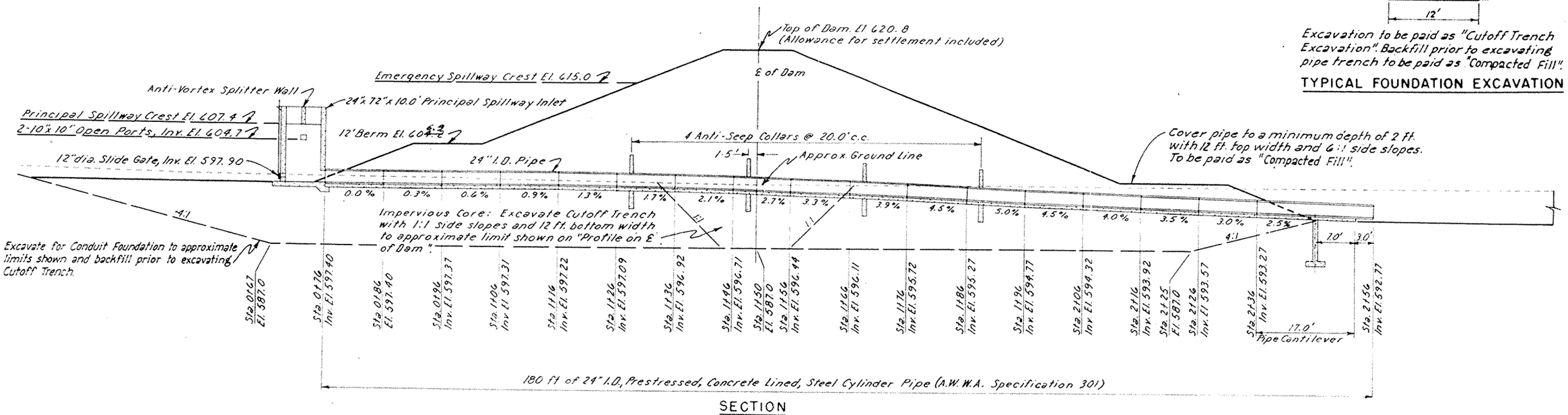


PLAN



Excavation to be paid as "Cutoff Trench Excavation". Backfill prior to excavating pipe trench to be paid as "Compacted Fill".

TYPICAL FOUNDATION EXCAVATION



SECTION
PRINCIPAL SPILLWAY

As Built Plans
Const. comp. 6-7-63

PRINCIPAL SPILLWAY—PLAN AND SECTION
FLOODWATER RETARDING STRUCTURE SITE No. 12
PLUM CREEK WATERSHED
IN
HAYS, CALDWELL AND TRAVIS COUNTIES, TEXAS

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

	Date	
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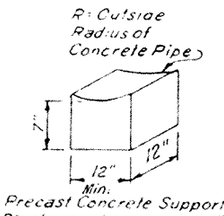
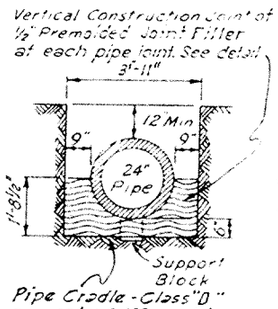
Drawn M.D.K. & F.C.S.	5-62	STATE CONSERVATIONIST, TEMPLE, TEXAS
Traced F.C.S.	5-62	Sheet No. 4 of 8
Checked M.D.K. & G.W.T.	6-62	Drawing No. 4-E-16,771

JUL 2 1962



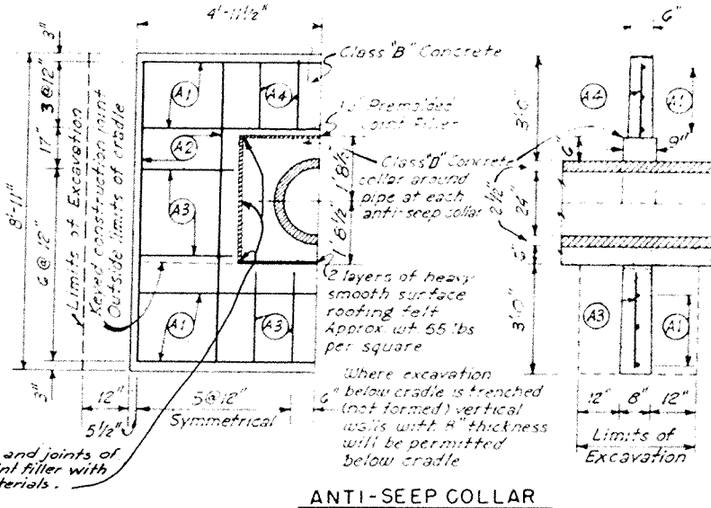
Precast Concrete Support Blocks may be set up to 24" from end of pipe joint. Use 2 blocks per joint of pipe

SUPPORT BLOCK



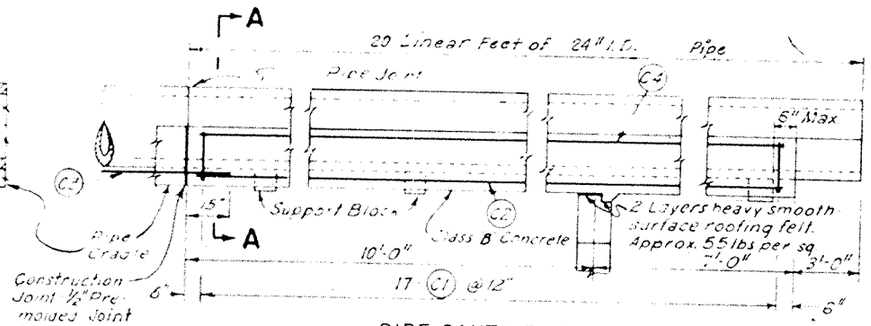
Pipe Cradle - Class "D" concrete: 0.163 cubic yards per linear ft.

CRADLE & TRENCH



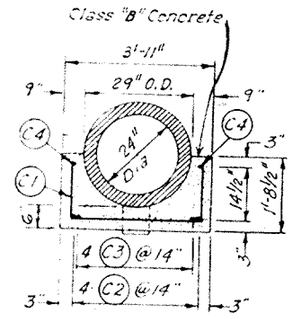
Note: Seal corners and joints of premolded joint filler with mastic fill materials.

ANTI-SEEP COLLAR



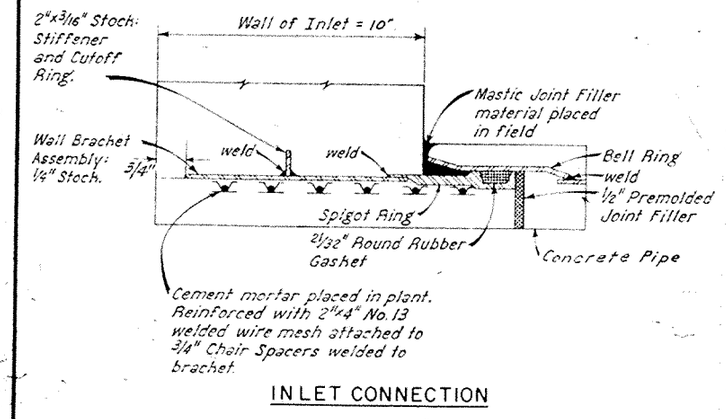
PIPE CANTILEVER

Note: Sides of Pipe Cantilever to be formed with lumber or metal.



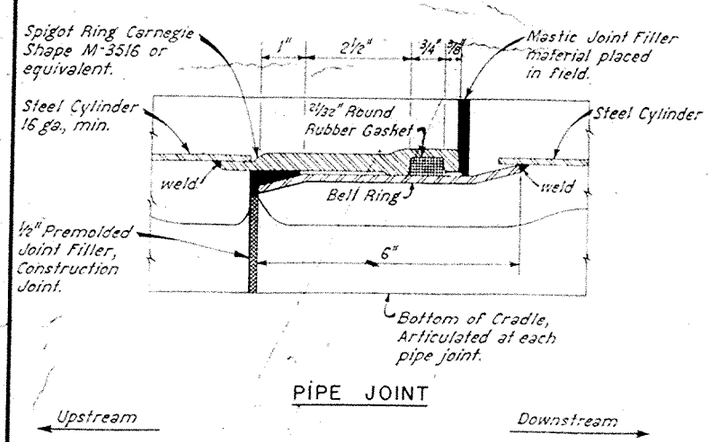
SECTION A-A

CONCRETE PIPE PLACEMENT DETAILS



Cement mortar placed in plant. Reinforced with 2"x4" No. 13 welded wire mesh attached to 3/4" Chair Spacers welded to bracket.

INLET CONNECTION

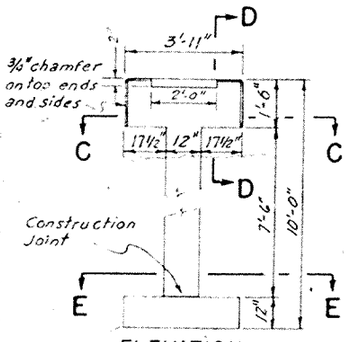


PIPE JOINT

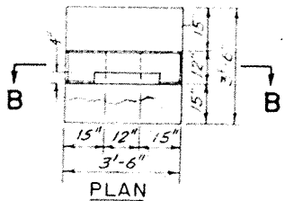
Upstream

Downstream

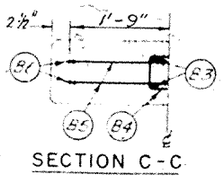
PIPE JOINT DETAILS



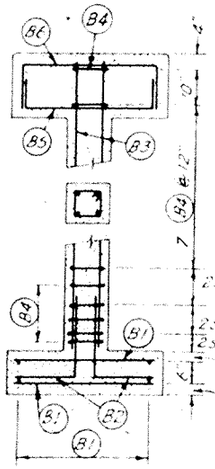
ELEVATION



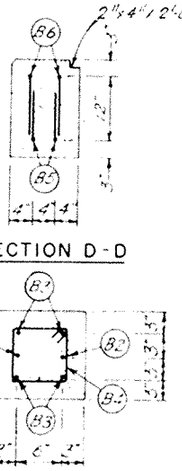
PLAN



SECTION C-C

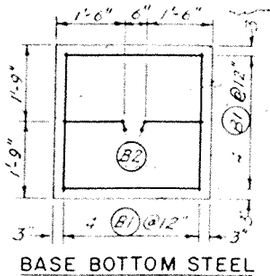


SECTION B-B

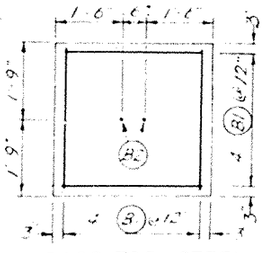


SECTION D-D

SECTION E-E



BASE BOTTOM STEEL



BASE TOP STEEL

PIPE CANTILEVER SUPPORT

FOR TYPICAL BAR TYPES REFER TO ACI STANDARD 315-48

Bar No	Location	Qty.	Lgth.	Total Length	Size	Type	A	B	C	D	E	F	G	H	J	O
A1	Anti-Seep Collar	6	9-3	55-6	4	Str.										
A2	" "	6	8-6	51-0	4											
A3	" "	10	2-6	26-3	4											
A4	" "	1	2-3	9-0	4											
Total Steel in One Anti-Seep Collar (Size 4) 142' 2" = 94.97 lbs																
Total Class "B" Concrete in One Anti-Seep Collar = 1.62 cu yds.																
B1	Cantilever Support	16	3 0	48-0	4	Str.										
B2	" "	2	3-9	7 6	6	2	2-6	1-3								
B3	" "	4	8-9	35-0	6	Str.										
B4	" "	13	3-2	41-2	3	T1	0-4	0 7½	0-7½	0-7½	0-7½	0-7½		0-4		
B5	" "	2	4-11	9-10	4	2	0 9	3 5						0 9		
B6	" "	2	5-7	11-2	6	2	1 0	3-7						1-0		
Total Steel in Pipe Cantilever Support Size "3" 41'-2" = 15.48 lbs.																
Total Steel in Pipe Cantilever Support Size "4" 57'-10" = 38.63 lbs.																
Total Steel in Pipe Cantilever Support Size "6" 53'-8" = 80.61 lbs.																
Total Steel = 134.72 lbs.																
Total Class "B" Concrete in Pipe Cantilever Support = 0.95 cu yds.																
C1	Pipe Cantilever	17	5-11	100-7	4	S10		1-3	3-5	1-3						
C2	" "	4	16-6	66-0	4	Str.										
C3	" "	4	5-0	20-0	4	Str.										
C4	" "	2	16-6	33-0	9	Str.										
Total Steel in Pipe Cantilever Size "4" 186'-7": 124.64 lbs.																
Total Steel in Pipe Cantilever Size "9" 33'-0": 112.20 lbs.																
Total Steel = 236.84 lbs.																
Total Class "B" Concrete in Pipe Cantilever = 2.77 cu yds.																

Class "D" Concrete in Pipe Cradle = 26.08 Cu Yds
Class "D" Concrete in Anti-Seep Collars = 0.48 " "
} Total Class "D" = 26.56 Cu Yds.

Note:
Premolded Joint Filler in principal spillway shall conform to either ASTM Spec. D1752-60T, Type I, II or III or ASTM Spec. D994, except that joint filler material conforming to ASTM Spec. D1751-60T, may be used to form the construction joints in the concrete cradle under the principal spillway conduit.

Note:
Pipe supplied will be manufactured in accordance with AWWA Specification C-301 and be prestressed concrete lined steel cylinder pipe, having a D-load capacity of not less than 3000 lbs. per linear foot at the 0.001" crack and an internal pressure head capacity equal to or greater than 50 feet.

As Built Plans
Const. Comp. 6-7-63
No Changes

PIPE DETAILS

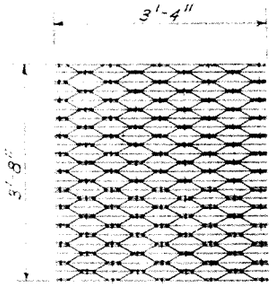
FLOODWATER RETARDING STRUCTURE SITE No. 12
PLUM CREEK WATERSHED
IN
HAYS, CALDWELL AND TRAVIS COUNTIES, TEXAS

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

		Date	
Designed	M.D.K.	5-62	Approved by: HEAD, ENGINEERING & WATERSHED PLANNING UNIT, FORT WORTH, TEXAS
Drawn	M.D.K.	5-62	STATE CONSERVATION ENGINEER, S.C.S., TEMPLE, TEXAS
Traced	F.C.S.	5-62	Sheet No 5 of 8
Checked	M.D.K. & G.W.T.	6-62	Drawing No 4-E-16,771

JUL 2 1963

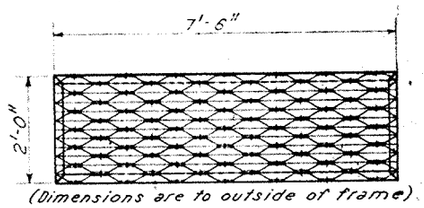
.12 — 24"



SECTION A

2 Required

Fasten to supporting angles with 3 anchoring straps as shown in top view of inlet.



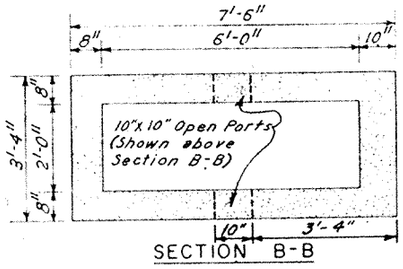
(Dimensions are to outside of frame)

Aluminum Grating, Borden Type A, Size No.1 or equivalent. Bearing bars 3/4"x 1/8". Frame Section B grating with 2"x 2"x 1/4" Angle; weld mitered corners. Drill 3/4" holes for Bolt B and Bolt D.

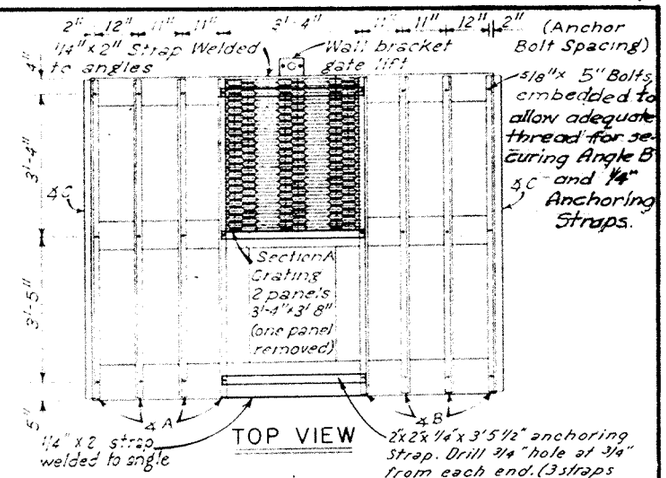
SECTION B

2 Required

GRATING



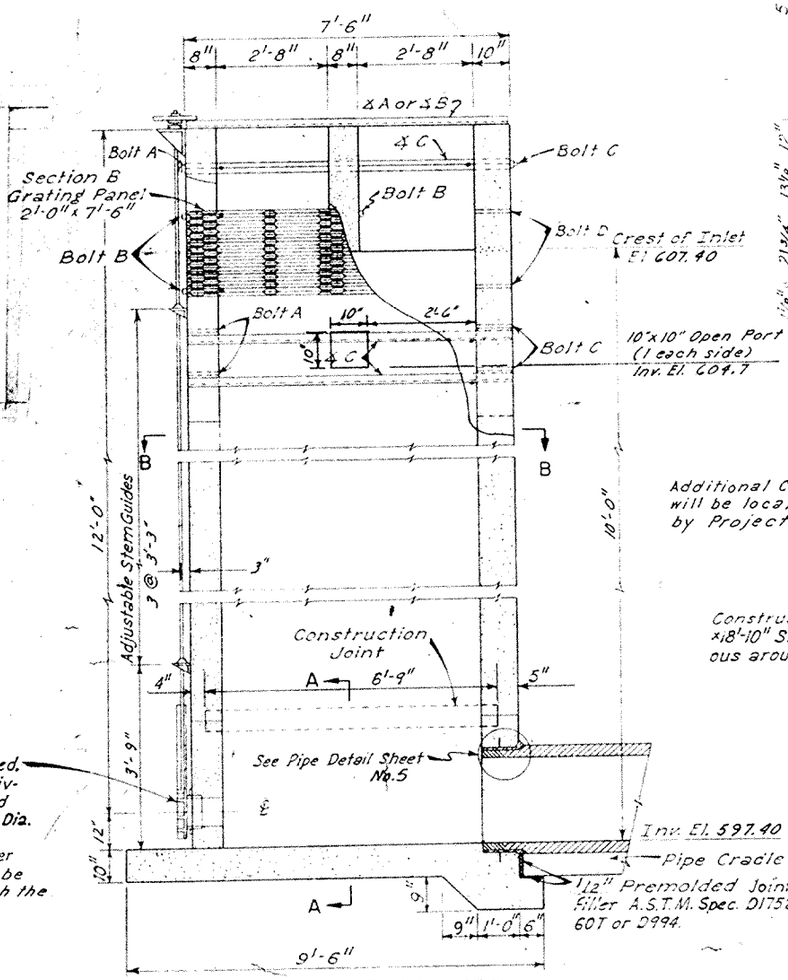
SECTION B-B



SCHEDULE OF QUANTITIES FOR TRASH GUARD

Quantity	Item	Description
4	∠ A	2"x 2"x 1/4"x 7'-5"
4	∠ B	2"x 2"x 1/4"x 7'-5"
6	∠ C	2"x 2"x 1/4"x 7'-5"
2	Steel Straps	1/4"x 2" x 3'-6 1/4"
10	Pipe Sleeves	3/4"x 10"
12	Pipe Sleeves	3/4"x 6"
6	Bolt A	5/8" See Detail A
6	Bolt B	5/8" " " "
6	Bolt C	5/8" " " "
4	Bolt D	5/8" " " "
24	Bolts	5/8" x 5"
76	Flat Washers	5/8"
76	Lock Washers	5/8"

All pipe sleeves, bolts and washers are to be galvanized unless otherwise specified.

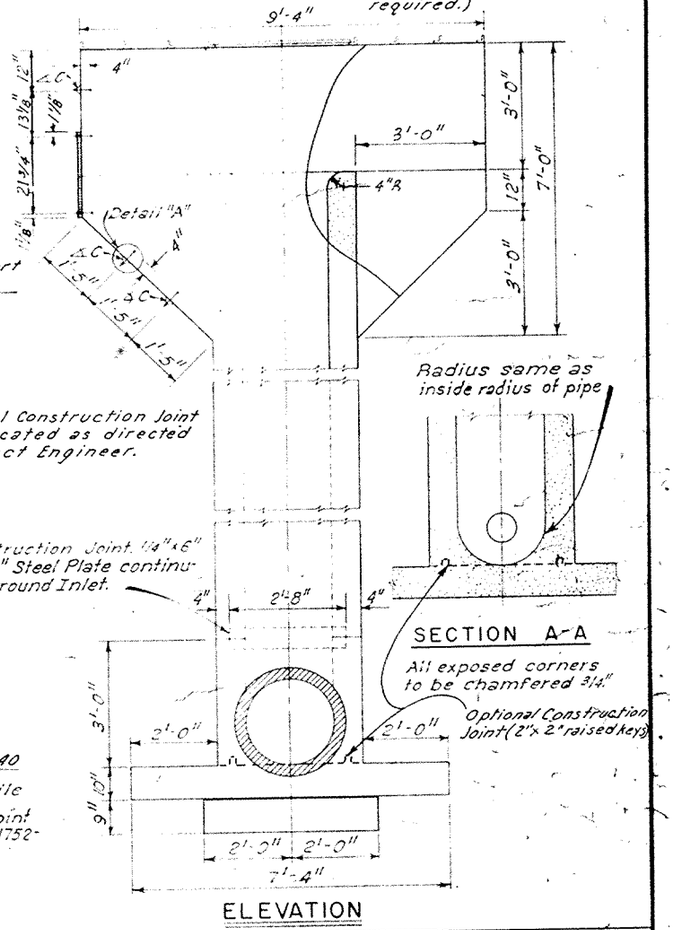


SECTIONAL ELEVATION

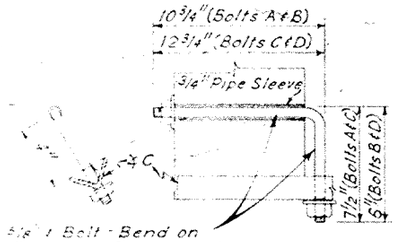
12" Dia. Slide Gate, bronze mounted, spigot back, Armco 50-10c or equivalent, with stem, stem guides and handwheel lift Type H-14, 1/8 Stem Dia.

NOTE: All exposed metal parts other than bronze and aluminum to be painted in accordance with the specifications.

Additional Construction Joint will be located as directed by Project Engineer.



ELEVATION



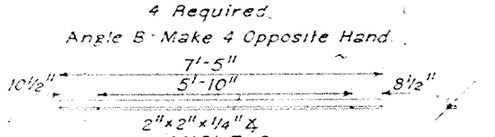
DETAIL A

Bolt A - 6 Required
Bolt B - 6 Required
Bolt C - 6 Required
Bolt D - 4 Required

ANGLE A

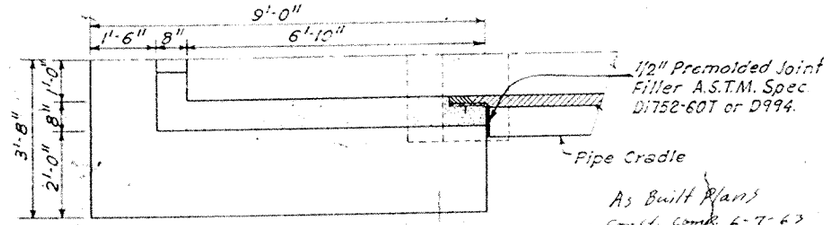
4 Required

Angle B - Make 4 Opposite Hand



ANGLE C

6 Required



HALF PLAN-BASE

As Built Plans
Const. Comp. 6-7-63
No Changes

PRINCIPAL SPILLWAY — INLET

FLOODWATER RETARDING STRUCTURE SITE No. 12

PLUM CREEK WATERSHED

IN

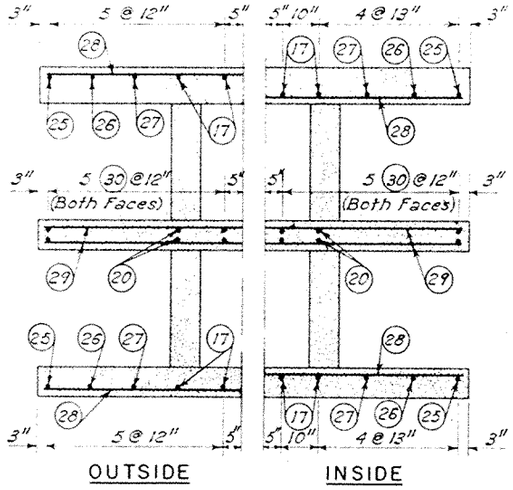
HAYS, CALDWELL AND TRAVIS COUNTIES, TEXAS

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

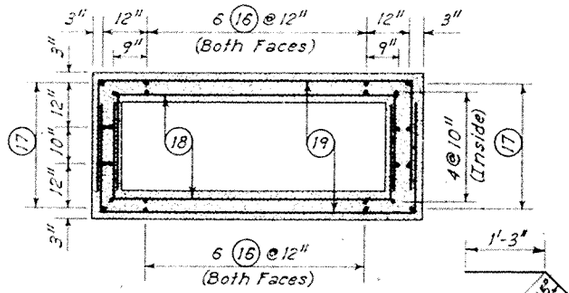
		Date	
Designed	M.D.K.	5-62	Approved by HEAD ENGINEERING & WATERSHED PLANNING UNIT FORT WORTH, TEXAS
Drawn	M.D.K	5-62	STATE CONSERVATION ENGINEER, S. C. S.
Traced	F.C.S.	5-62	TEMPLE, TEXAS
Checked	M.D.K. & G.W.T.	6-62	Sheet No. 6 of 8 — Drawing No. 4-E-16,771

JUL 2 1962

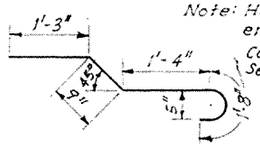
24" S/G



SECTION B-B



SECTION A-A



DETAIL BAR No. 3

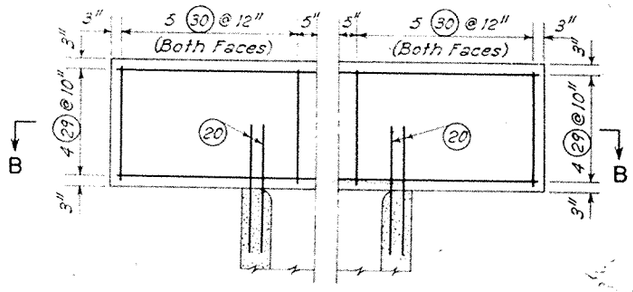
FOR TYPICAL BAR TYPES REFER TO ACI STANDARD 315-48

No.	Qty.	Lgth.	Total Length	Size	Type	A	B	C	D	E	F	G	H	J
1	11	7-0	77-0	5	Str									
2	9	8-6	76-6	5	Str									
3	5	5-0	25-0	5	See detail below									
4	2	3-6	7-0	5	Str									
5	14	6-6	91-0	5	2	2-0	4-6							
6	4	6-0	24-0	5	2	1-6	4-6							
7	2	7-0	14-0	5	Str									
8	4	8-6	34-0	5	Str									
9	14	6-6	91-0	5	2	2-0	4-6							
10	2	11-3	22-6	5	2	6-9	4-6							
11	6	8-6	51-0	6	2	1-10	6-8							
12	6	9-3	55-6	6	2	2-3	7-0							
13	8	11-0	88-0	6	2	2-3	6-6					2-3		
14	8	12-0	96-0	6	2	2-6	7-0					2-6		
15	4	2-0	8-0	4	Str									

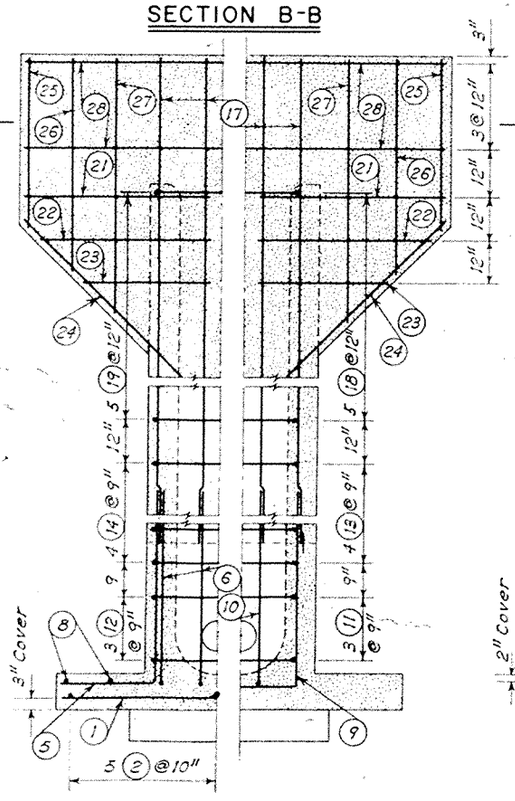
No.	Qty.	Lgth.	Total Length	Size	Type	A	B	C	D	E	F	G	H	J
16	24	6-10	164-0	4	Str									
17	16	9-10	157-4	4	Str									
18	10	11-0	110-0	6	2	2-3	6-6					2-3		
19	10	12-0	120-0	6	2	2-6	7-0					2-6		
20	6	3-0	24-0	5	Str									
21	8	4-0	32-0	4	Str									
22	8	3-9	30-0	4	Str									
23	8	2-9	22-0	4	Str									
24	8	5-0	40-0	4	Str									
25	8	3-9	30-0	4	Str									
26	8	4-9	38-0	4	Str									
27	8	5-9	46-0	4	Str									
28	12	9-0	108-0	4	Str									
29	8	9-0	72-0	4	Str									
30	20	2-6	50-0	4	Str									

Note: Horizontal Steel (both faces) in inlet walls, end walls, and splitter wall 2" from face.
Cut or deflect steel to clear port openings. See Sheet No. 6 for location of open ports.

Total Size 4 Steel in Principal Spillway Inlet = 797'-4" = 532.62 lbs.
" Size 5 " " " " " = 486'-0" = 506.90 lbs.
" Size 6 " " " " " = 520'-6" = 781.79 lbs.
Total Steel in Principal Spillway Inlet = 1821.31 lbs.
Total Class "B" Conc. in Principal Spillway Inlet = 10.08 cu yds.

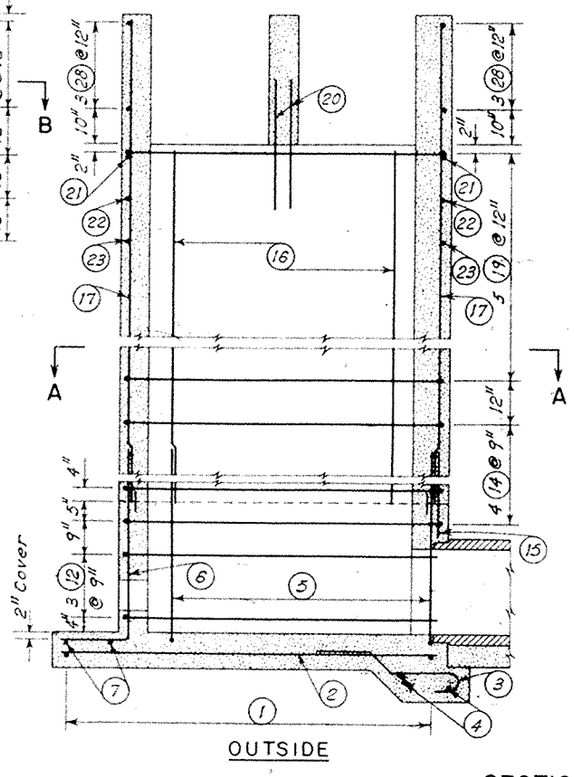


ELEVATION - SPLITTER WALL

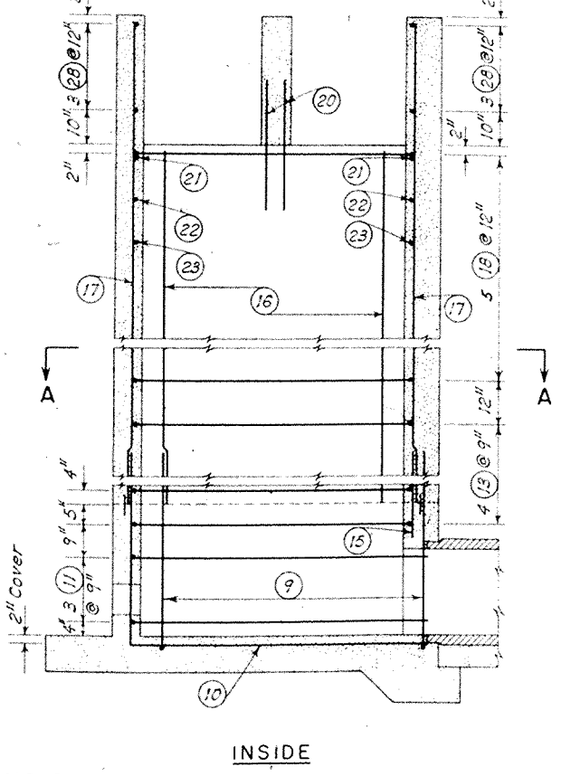


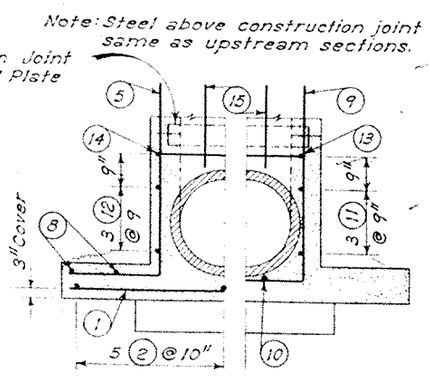
HALF SECTIONS

(UPSTREAM)



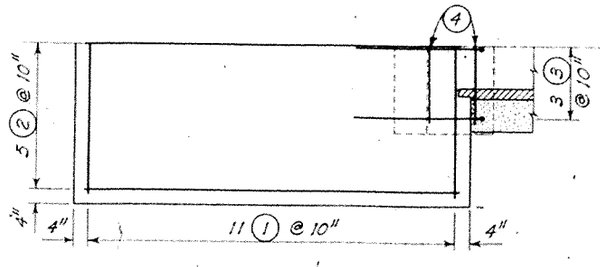
SECTION ALONG ℄

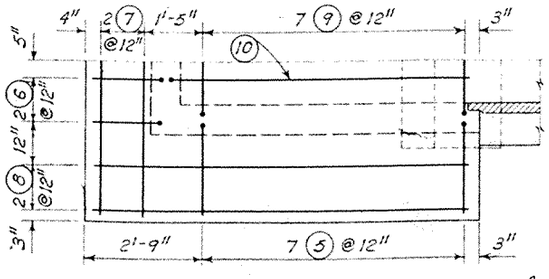


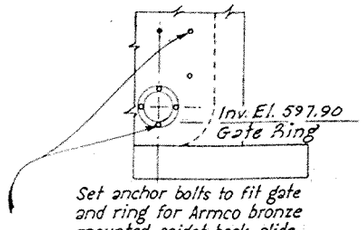


HALF SECTIONS

(DOWNSTREAM)







Set anchor bolts to fit gate and ring for Armco bronze mounted, spigot back, slide gate No. 50-10.c or equivalent.

SLIDE GATE

FOUNDATION SLAB

As Built Plans
Const. comp. 6-7-63
No Change in const.

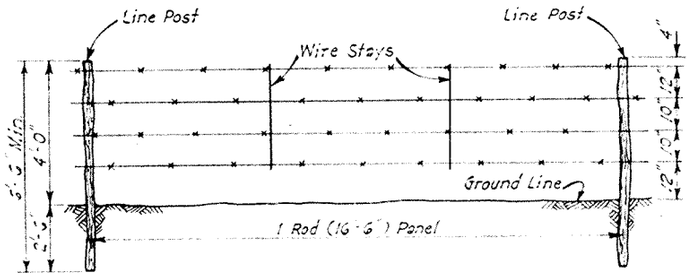
STEEL PLACEMENT - PRINCIPAL SPILLWAY INLET
FLOODWATER RETARDING STRUCTURE SITE No. 12
PLUM CREEK WATERSHED
IN
HAYS, CALDWELL AND TRAVIS COUNTIES, TEXAS

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

		Date	Approved by
Designed	M.D.K.	5-62	HEAD, ENGINEERING & WATERSHED PLANNING UNIT, FORT WORTH, TEXAS
Drawn	M.D.K.	5-62	STATE CONSERVATION ENGINEER, S. C. S., TEMPLE, TEXAS
Traced	F.C.S.	5-62	Sheet No. 7 of 8
Checked	M.D.K. J.G.W.T.	6-62	Drawing No. 4-E-16,771

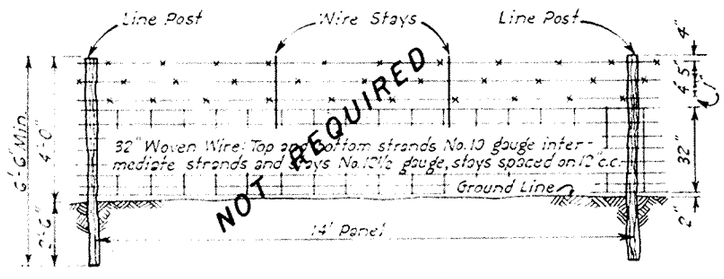
24" Open Flow
7'-0" min. height

Note: Wire stays to be 10 ga. (min. size), galv. two strand spiral, twist-on type. Length to extend from top fence strand to 3" below bottom fence strand for barbed wire fences and from top strand to 3" below the second strand of the woven wire for woven wire fences. Wire stays to be spaced equally, two stays per line post panel. Stays to be twisted firmly against top strand.



BARBED WIRE

Barbed wire to be 12½ ga. galv., double strand barbed wire with 14 ga. 2 point barbs at 4" c.c. staples to be 9 ga. galv., 1½" minimum length for treated pine and cedar posts and 1" minimum length for bois d'arc.



WOVEN WIRE

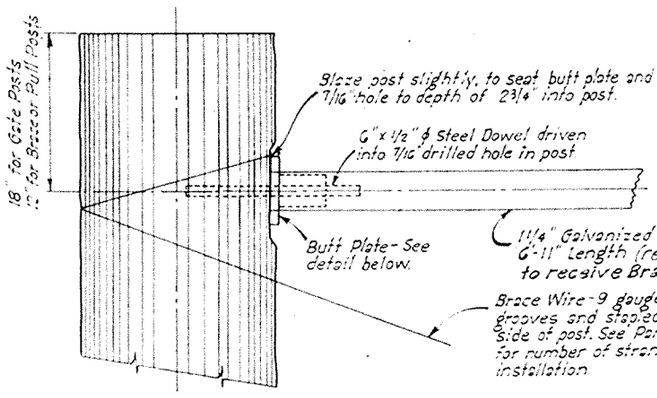
Note: For Barbed Wire, Galvanizing shall conform to A.S.T.M. Specification A-121 Class 1 coating.

For Woven Wire, Galvanizing shall conform to, A.S.T.M. Specification A-116, Class 1 coating.

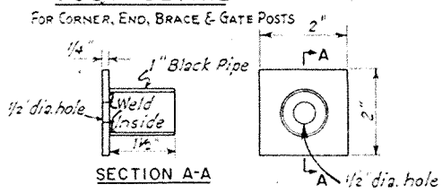
MINIMUM POST SIZE

Corner & Brace	Cedar, 8" dia. Treated Pine, 6" dia. Bois d'arc, 6" dia.
Line Posts	Cedar, 4" dia. Treated Pine, 3" dia. Bois d'arc, 3" dia. Other, see specifications
Gate Posts	Treated Pine, 3" dia.

Note: Ash Juniper is considered as meeting the requirements of the specifications for cedar posts. Creosote-Coal Tar Solution will be used for treatment of pine posts. Steel posts not acceptable.

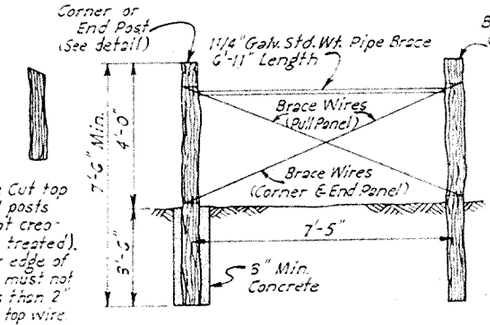


POST DETAIL



Brace Butt Plate of plate steel 2"x2"x¼"; ½" dia. hole drilled in center, with thimble of 1" dia. black steel pipe, 1½" long, welded to plate; weld to be inside of pipe with pipe concentrically centered with the ½" drilled hole in the plate.

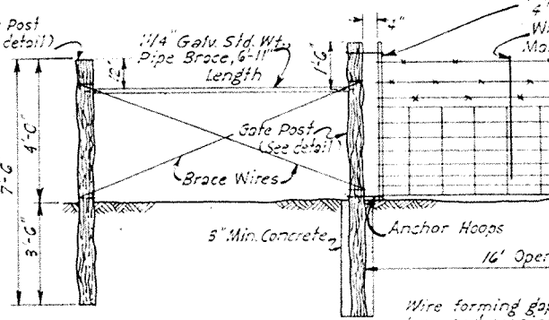
BRACE BUTT PLATE



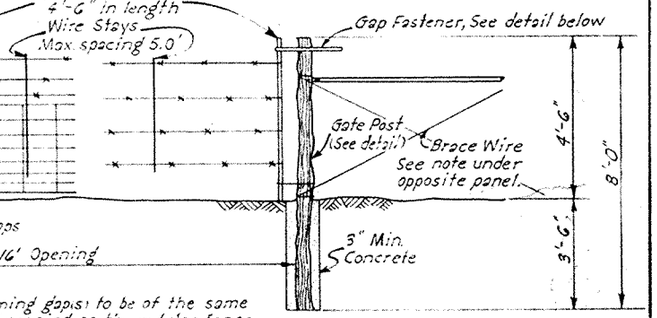
Slope Cut top of all posts (Except creosote treated). Lower edge of slope must not be less than 2" above top wire

CORNER, END, OR PULL PANEL

Pull panel does not require concrete setting. Brace wires for Pull Panel will be two strands from top of each post to bottom of other. Brace wires for corner and end panels will be four strands from top of brace post to bottom of corner or end post.

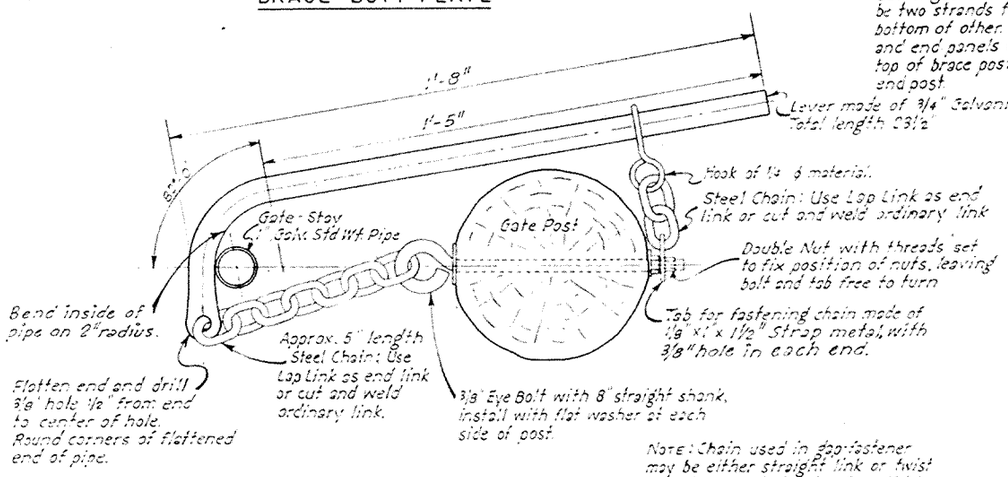


Where fence extends in line left or right of Gate Panel, Brace Wires for Gate Panel will be four strands from top of Brace Post to bottom of Gate Post. Where there is no pull of line fence (that is, the Gate Panel is at a corner), Brace Wires for the Gate Panel will be two strands from top of each post to bottom of other.



Wire forming gap(s) to be of the same type and spacing as the regular fence. Wire to be double wrapped around end stays and secured in place by drilling ¼" holes at bottom and top strands of woven wire and at each strand of barbed wire, tying these strands with 14 gauge galvanized wire through the holes. Anchor hoops to be two strands of 9 gauge wire stapled of the back side of the gate post.
2 Gap(s) required.

WIRE GAP PANEL



WIRE GAP FASTENER DETAIL

Note: Chain used in gap fastener may be either straight link or twist link chain; material size from ⅛" to 7/32", links per foot from 10 to 18, wt. per foot from 0.1 to 0.5 lbs. Weldless wire-twist chain will not be permitted.

NOTE:

At changes in vertical alignment, such as crossings of stub diversions, line posts or pull-panel posts that restrain upward pull of the fence strands shall be anchored by setting such posts in concrete, with a minimum 3" thickness of concrete at the ground surface and a minimum 6" at the bottom of the post hole, so as to provide a minimum 3-inch taper to the outside surface of the embedding concrete. The engineer will designate the post locations where this anchorage treatment is required. In addition, anchorage of fence wires to posts where there is change in vertical alignment that produces upward or downward pull, shall be accomplished with a special tie-wire, in addition to stapling. A tie-wire of a strand of No. 9 smooth galvanized wire shall be secured to the post with two wraps and tie 3" above the top fence wire (where the pull is downward) or 6" below the bottom fence wire (where the pull is upward) and shall be extended to each successive fence wire, securing each in position by two close drawn wraps. The engineer will designate the posts where this special fastening of the fence wires is required.

As Built Plans
Const. Comp. 6-7-63
No change in const.

FENCE DETAILS

FLOODWATER RETARDING STRUCTURE SITE No. 12
PLUM CREEK WATERSHED
IN
HAYS, CALDWELL AND TRAVIS COUNTIES, TEXAS

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

	Date	
Designed M.D.K.	5-62	Approved by HEAD ENGINEERING & WATERSHED PLANNING UNIT TEMPLE, TEXAS
Drawn M.D.K.	5-62	STATE CONSERVATIONIST ENGINEER, S.C.S.
Traced F.C.S.	5-62	TEMPLE, TEXAS
Checked M.D.K. & G.W.T.	6-62	Sheet No. 8 of 8 — Drawing No. 4-E-16,771

FENCE DETAILS

JUL 2 1962