



FLOODWATER RETARDING DAM NO. 16

PLUM CREEK WATERSHED PROJECT

HAYS COUNTY, TEXAS

DRAINAGE AREA TOTAL STORAGE HEIGHT OF DAM VOLUME OF FILL 3232 ACRES 5.05 2330 AC.FT. 41 FEET 239,225 CU YDS. 234,249

SPONSORED BY

HAYS - CALDWELL - TRAVIS SOIL AND WATER CONSERVATION DISTRICT
PLUM CREEK CONSERVATION DISTRICT

COOPERATING WITH

SOIL CONSERVATION SERVICE

OF THE

U.S. DEPARTMENT OF AGRICULTURE

1973

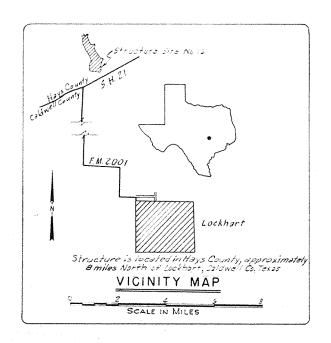
GENETALCTION DRAWINGS APPROVED

GENEC VILLETAR, (MUSI) 1.21-73

INDEX OF DRAWINGS

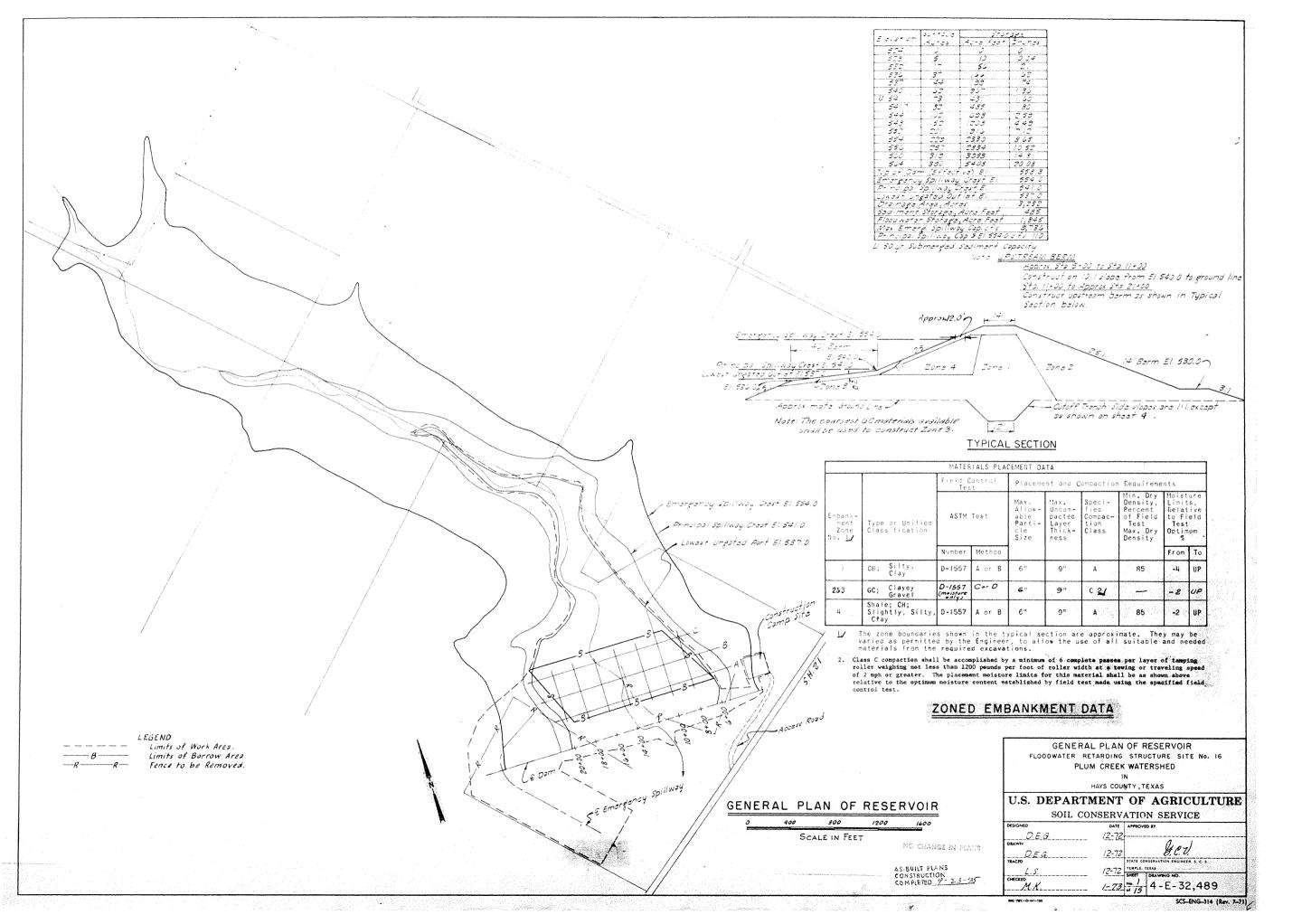
SHEET
NO.

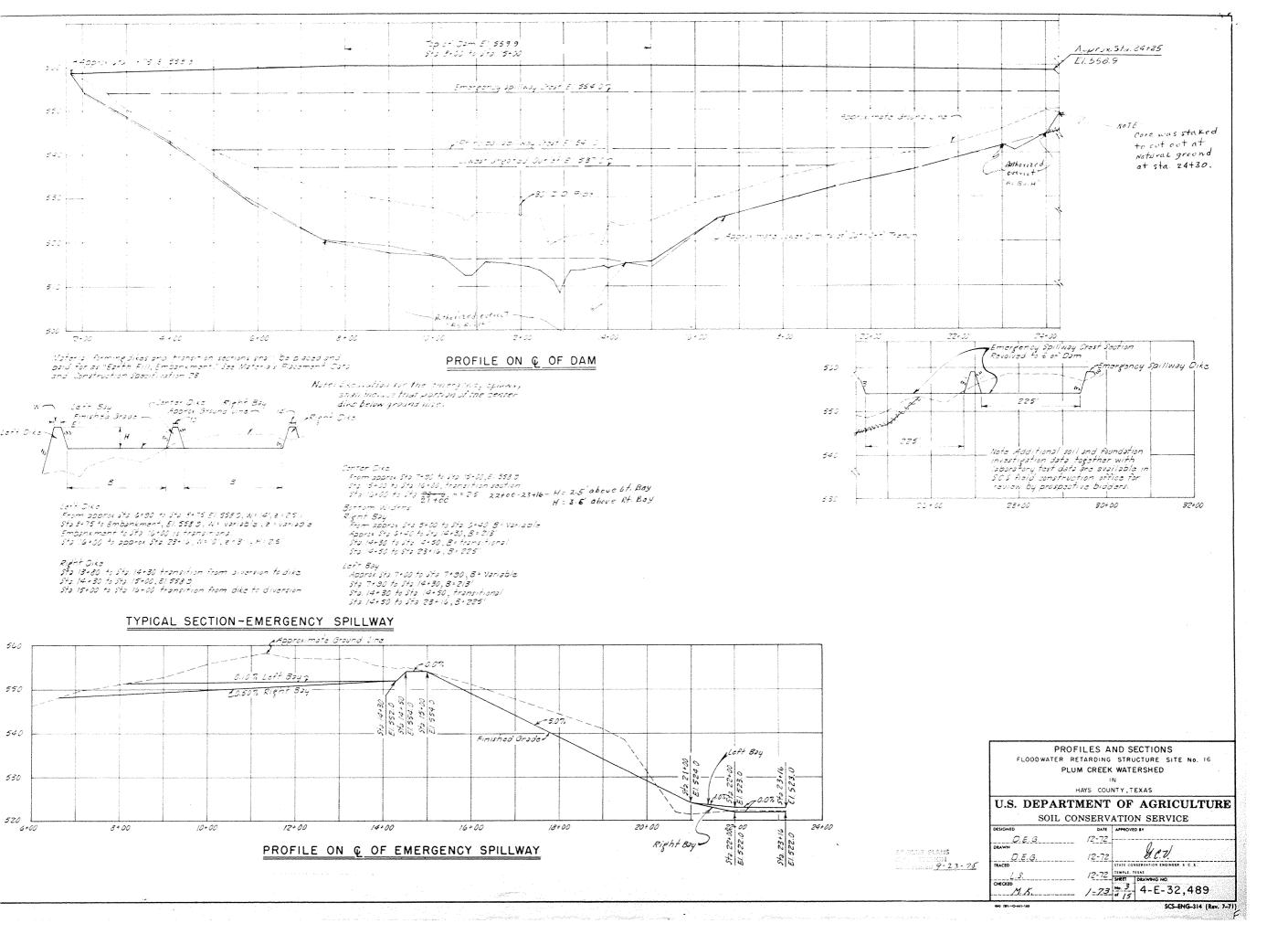
1 GENERAL PLAN OF RESERVOIR
2 PLAN OF EMBANKMENT AND SPILLWAYS
3 PROFILES AND SECTION
4-5 PRINCIPAL SPILLWAY-PLAN AND SECTION
6 PIPE DETAILS
7 PRINCIPAL SPILLWAY INLET
8-10 STEEL PLACEMENT-PRINCIPAL SPILLWAY INLET
11 TRASH GUARD AND SLIDE GATE DETAILS
12 FENCE DETAILS
13-15 PLAN AND PROFILE FOR GEOLOGIC INVESTIGATIONS

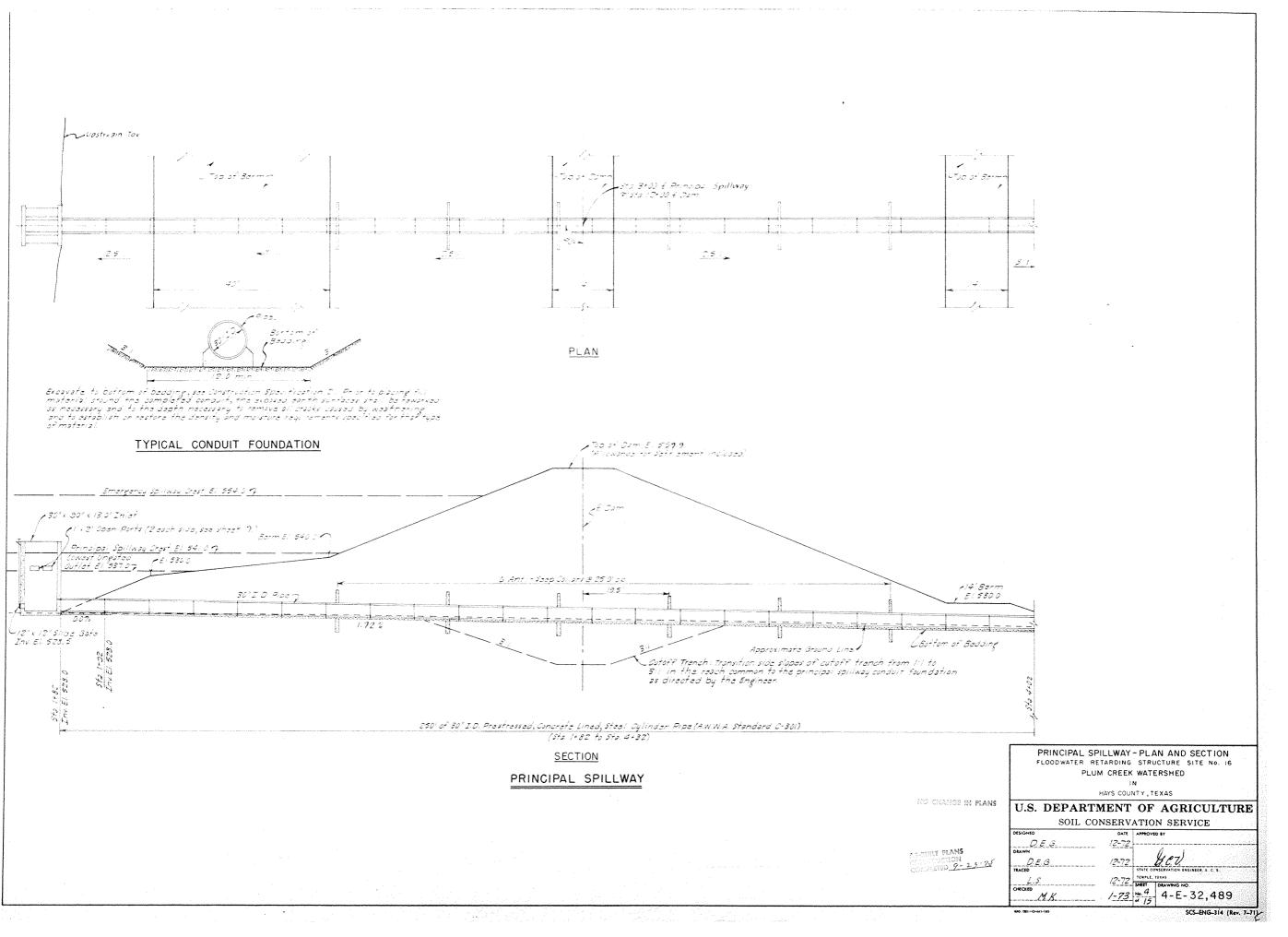


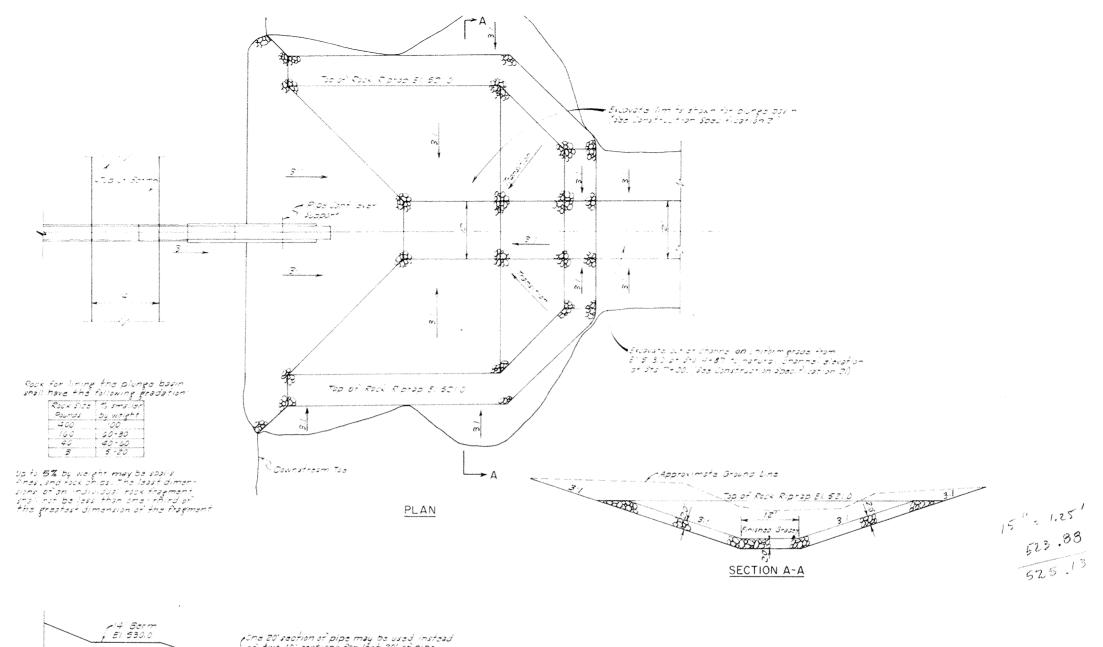
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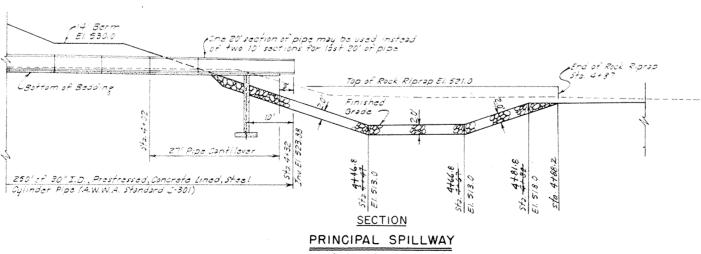
4-E-32,489











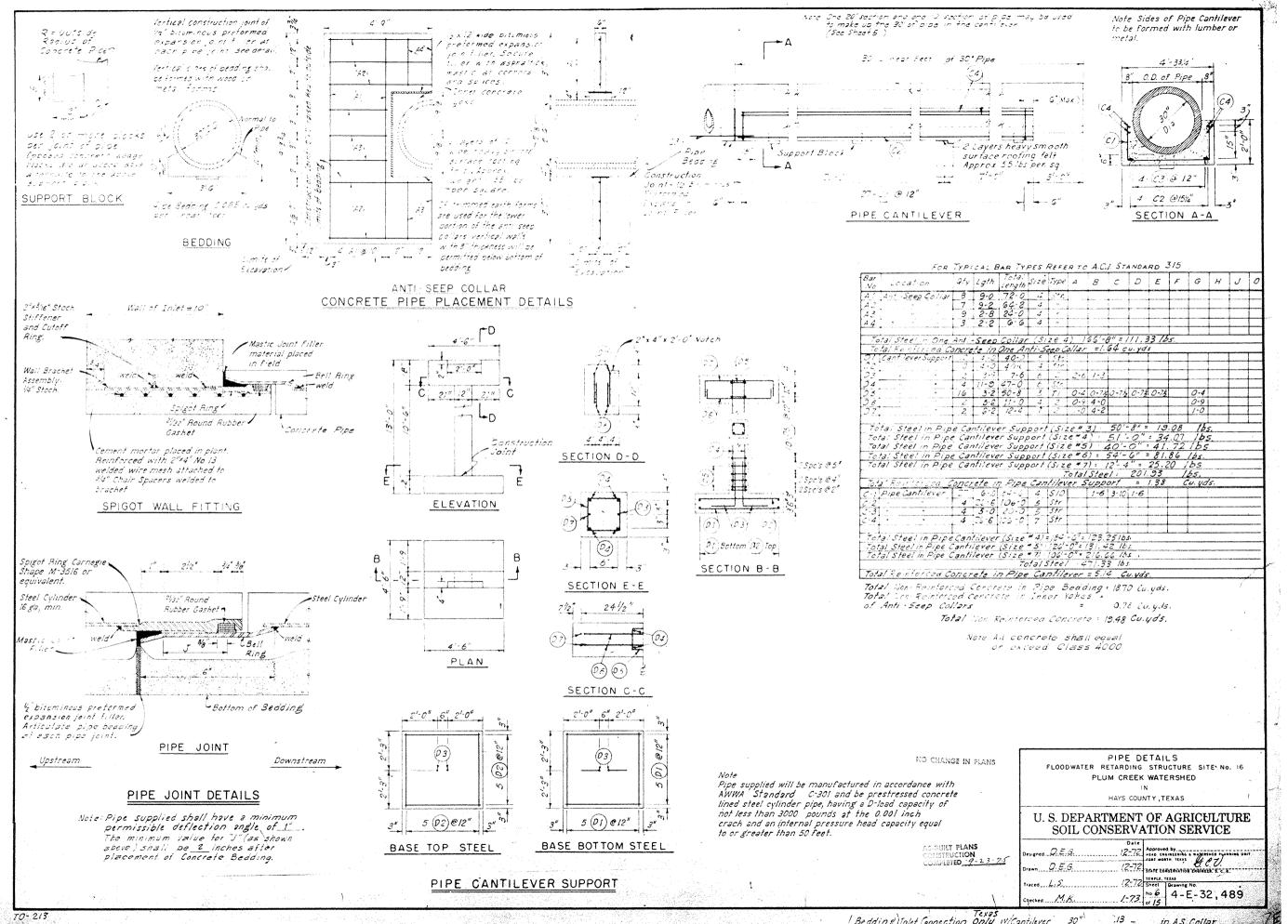
PRINCIPAL SPILLWAY - PLAN AND SECTION FLOODWATER RETARDING STRUCTURE SITE NO. 16 PLUM CREEK WATERSHED

HAYS COUNTY, TEXAS

U.S. DEPARTMENT OF AGRICULTURE

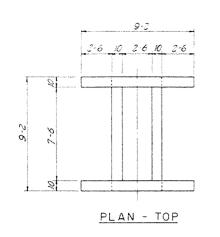
AS-SURET PLANS	SOIL CONSERVATION SERVICE			
Chibingchon	DESIGNED	DATE	APPROVED BY	
SUMMER 9-23-75	D.E.G.	12-72		
	D.E.G.	12-72	BC.U.	
	TRACED	1277	STATE CONSERVATION ENGINEER, S. C. S. TEMPLE, TEXAS	
	CHECKED M K	12-72 1- 73	5 4 5 70 400	
			01/5	

SCS-ENG-314 (Rev. 7-71)



(Bedding) Talet Connection Only W/Cantilever 30"

in A.S. Collar



10

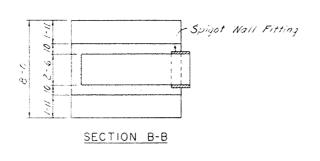
SECTION A-A

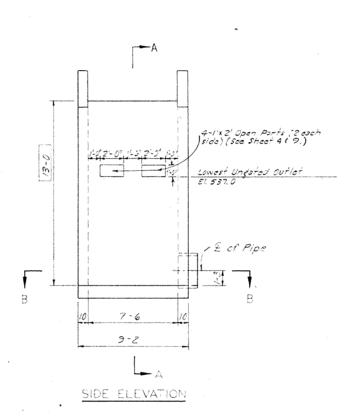
30" Diam.

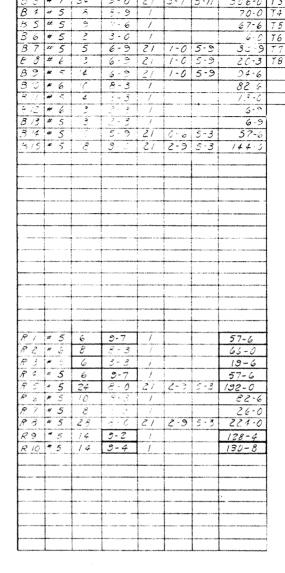
Plate Construction

Total Concrete = (11.85) + (0.72V) =

Joints







Length Type

8-9

Mark Size tity

6 10 7.6

BAR TYPES TYPE 19 TYPE TYPE 21

FLOOD

STEEL SCHEDULE

Total

Length

Notes:

1. Bar dimensions are out to out of bar.

2. Radius of bends equals 3 bar diameters for sizes equal to or less than #7.
3. The 2 and 3 dimensions from face of concrete to steel are clear distances.

STANDARD OPEN RISER STANDARD DWG. NO. ES-3130-1515 R DATE 4-67 SHEET 1 OF 4 ADAPTED FROM STANDARD COVERED RISER DESIGN CONSTANTS f' c = 4000 psi fc = 1600 psi fs = 20,000psi n = 8 STANDARD DWG, NO. ES-3030-2015 R

SHEET | OF 4

QUANTITIES

Steel: # 5 Bars 1861-5 Lin. Ft. 377 Lbs. # 6 Bars _____ 626 Lbs. 2945 Lbs. 306-0 Lin. Ft. Total Length of #5 Bars = (1275-11) + (Length of Bars R1, R3, R4, R5, R9, and R10) - Length of #6 Bars = (184-6) + (Length of Bars R2).

Notes:

14.01 Cu. Yds.

1. For Spigot Wall Fitting, See Detail
Sheet 6.
2. For Trash-Rack, Sleeves and Sleeves and Bolts, See Detail Sheet IL .

3. For Construction Joints, See Detail Sheet IL .

NO CHANGE IN PLANS

AS-BUILT PLANS COMSTRUCTION COMPLETED 9- 23-20

	Scale in reet	
	PRINCIPAL SPILLWAY INLET	
V	VATER RETARDING STRUCTURE SITE N	o. 16 ·

PLUM CREEK WATERSHED

HAYS COUNTY, TEXAS

U. S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE

보기 성격하게 하는 그들은 한 경우, 그리다 사람들이 없다.
Approved by
STATE ESTABLISHMANION WILLIAMS & C. B.
- O. L. V
Sheet Drawing No.
No.7 A F 70 400
No 7 4-E-32,489

FORM SCS 313 JAPRIL

Total Length

64-0

33-0 46-0

28-8 25-4

106-0

26-8

2-9 42-0

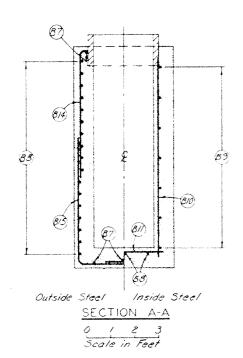
Length Type

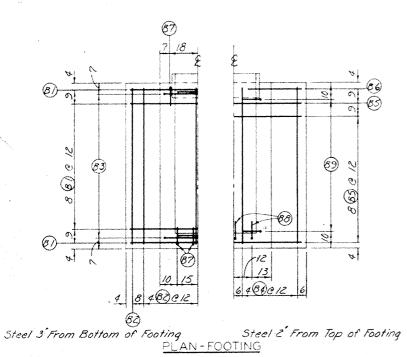
8-3

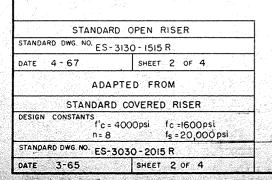
8-10

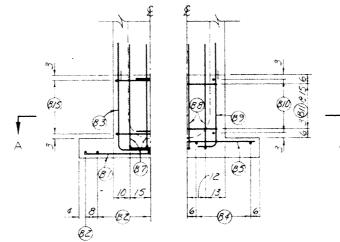
6.8

5 /2 5 4

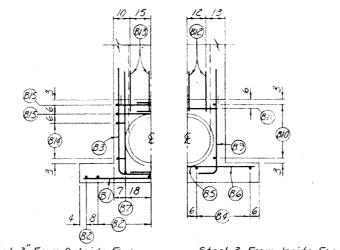




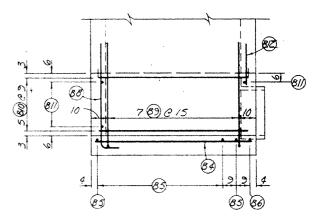




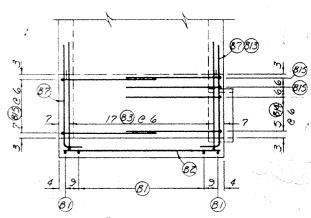
Steel 2" From Inside Face Steel 2 From Outside Face UPSTREAM ELEVATION



Steel 2" From Outside Face Steel & From Inside Face DOWNSTREAM ELEVATION



Steel 2" From Inside Face and 2" From Top of Footing SIDEWALL ELEVATION



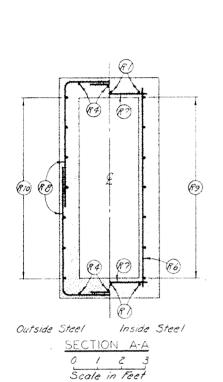
Steel 2" From Outside Face and 3" From Bottom of Footing SIDEWALL ELEVATION

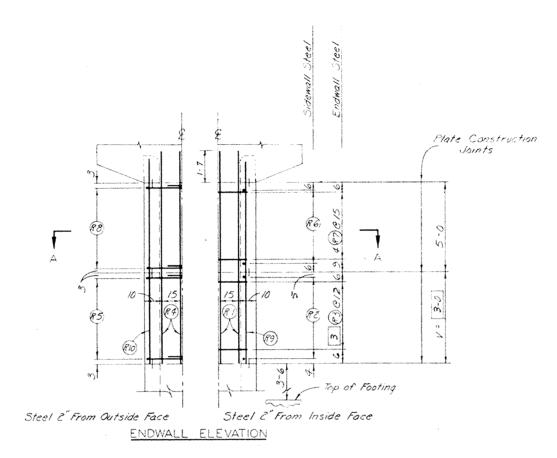
Scale in Feet Unless Otherwise Shown

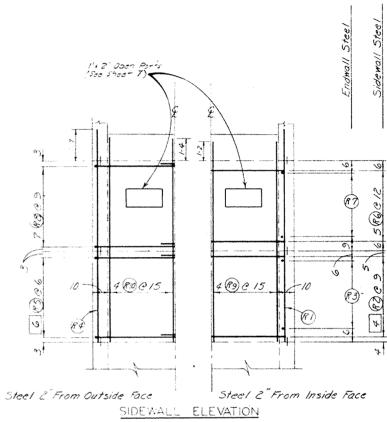
STEEL PLACEMENT - PRINCIPAL SPILLWAY INLET FLOODWATER RETARDING STRUCTURE SITE NO.16 PLUM CREEK WATERSHED HAYS COUNTY, TEXAS NO CHANGE IN PLANS

U. S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE

sened D.E.G. D.E.G. AS-BUILT PLANS







Cut or deflect bars to clear open ports.

STANDARD OPEN RISER

STANDARD DWG, NO. ES-3130-1515 R

DATE 4-67 SHEET 3 OF 4

ADAPTED FROM

STANDARD COVERED RISER

DESIGN CONSTANTS

f'c=4000 psi fc=1600 psi
n=8 fs=20,000 psi
STANDARD DWG, NO. ES-3030-2015 R

SHEET 3 OF 4

NO CHANGE IN PLANS

STEEL PLACEMENT - PRINCIPAL SPILL WAY INLET FLOODWATER RETARDING STRUCTURE SITE No. 16
PLUM CREEK WATERSHED
IN

Scale in Feet Unless Otherwise Shown

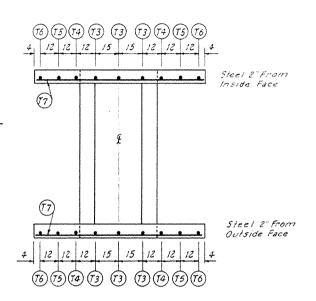
HAYS COUNTY, TEXAS

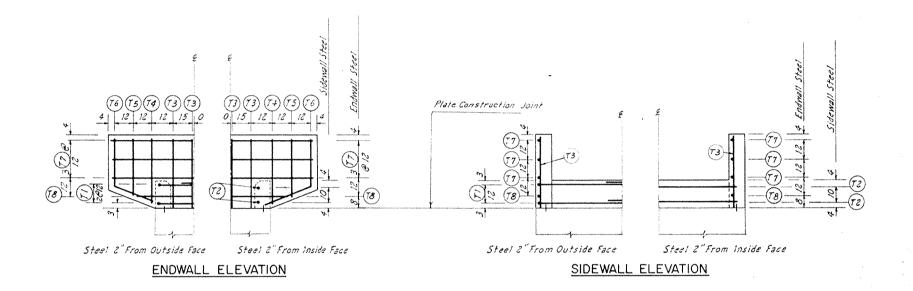
U. S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE

AS-BUILT PLANS CONSTRUCTION COMPLEYED 9-23-25

	COL	0011022.	
	056	Date 12-72	Approved by
	O.E.G		STATE CONSTRUCTION ERGINEER S. E. S.
ann .	O.E.S	12-72	STATE CONSTRUATION ENGINEER S, C S
taced	15	12-72	TEMPLE, TEXAS
		1-72	
beckes	M.K.		1 or 15 1

FORM SCS-313 (APRIL 19





PLAN-TOP

0 1 2 3 4 5 6 Scale in Feet

STANDARD OPEN RISER

SIGN CONSTANTS

f'c = 4000 psi fc = 1600 psi

n = 8 fs = 20,000 psi

ANDARD DWG. NO.

ES-3130 - 1515 R

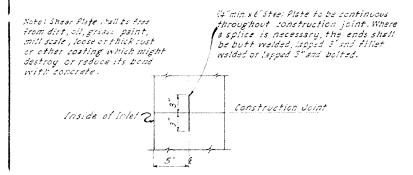
NO CHANGE IN PLANS

AS-BUILT PLANS
CONSTRUCTION
COMPLETED 9-23-75

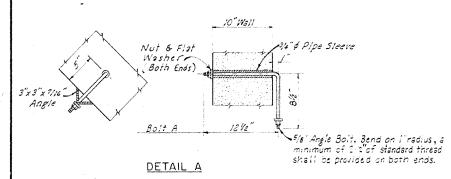
STEEL PLACEMENT - PRINCIPAL SPILLWAY INLET
FLOODWATER RETARDING STRUCTURE SITE NO. 16
PLUM CREEK WATERSHED
IN
HAYS COUNTY, TEXAS

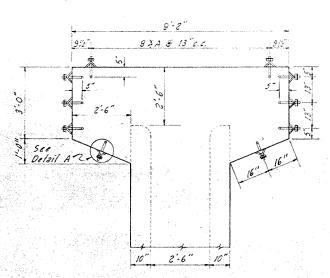
U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Date
12-72
Designed D.E.G. 12-72
Fraced L.S. 12-72
Short Drawing No.

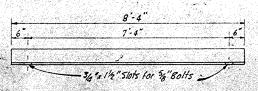


DETAIL OF SHEAR PLATE CONSTRUCTION JOINT

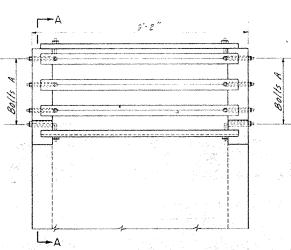




SECTION A-A



DETAIL OF ANGLES FOR TRASH GUARD

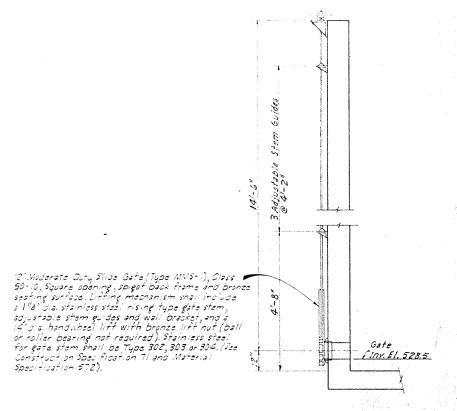


SIDE ELEVATION

有数点 医二氏性 医阿勒氏试验检尿性结合 化二十二十二二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二		100000000000000000000000000000000000000		
Schedule of Materials	for Tra	1		
Item	Quan.	Length	Total Ft.	6.
3"x 3"x 7/16" Angles			133-4	É
5/8" Angle Bolts A, W/Washers	32	21"		ġ.
3/4" I.D. Pipe Sleeve	32	0'-10"	26'-8"	Ŕ
		14.075		
		11000	1869 (1861 a.s.)	3

All parts of the trash Good shall be galvanized. See Construction Specification 81 and Material Specification 582.

TRASH GUARD



The slide gate shall be centered in the upstraam wall of the riser . Set anchor bolts to fit gate, stem guides and wall bracket.

SLIDE GATE

TRASH GUARD AND SLIDE GATE DETAILS
FLOODWATER RETARDING STRUCTURE SITE NO. 16
PLUM CREEK WATERSHED
IN

NO CHANGE IN PLANS U. S. I

AS-BUILT PLANS
CONFIGURED 9-23-25

U. S. DEPARTMENT OF AGRICULTURESOIL CONSERVATION SERVICE

HAYS COUNTY, TEXAS

Designed O.E.G. | 12-72 | APRIL 12-75 | APRI

Kevised 1-1-16-

(Revised) Trash Guird for 30" Open Top Full from Agustinia hale

