

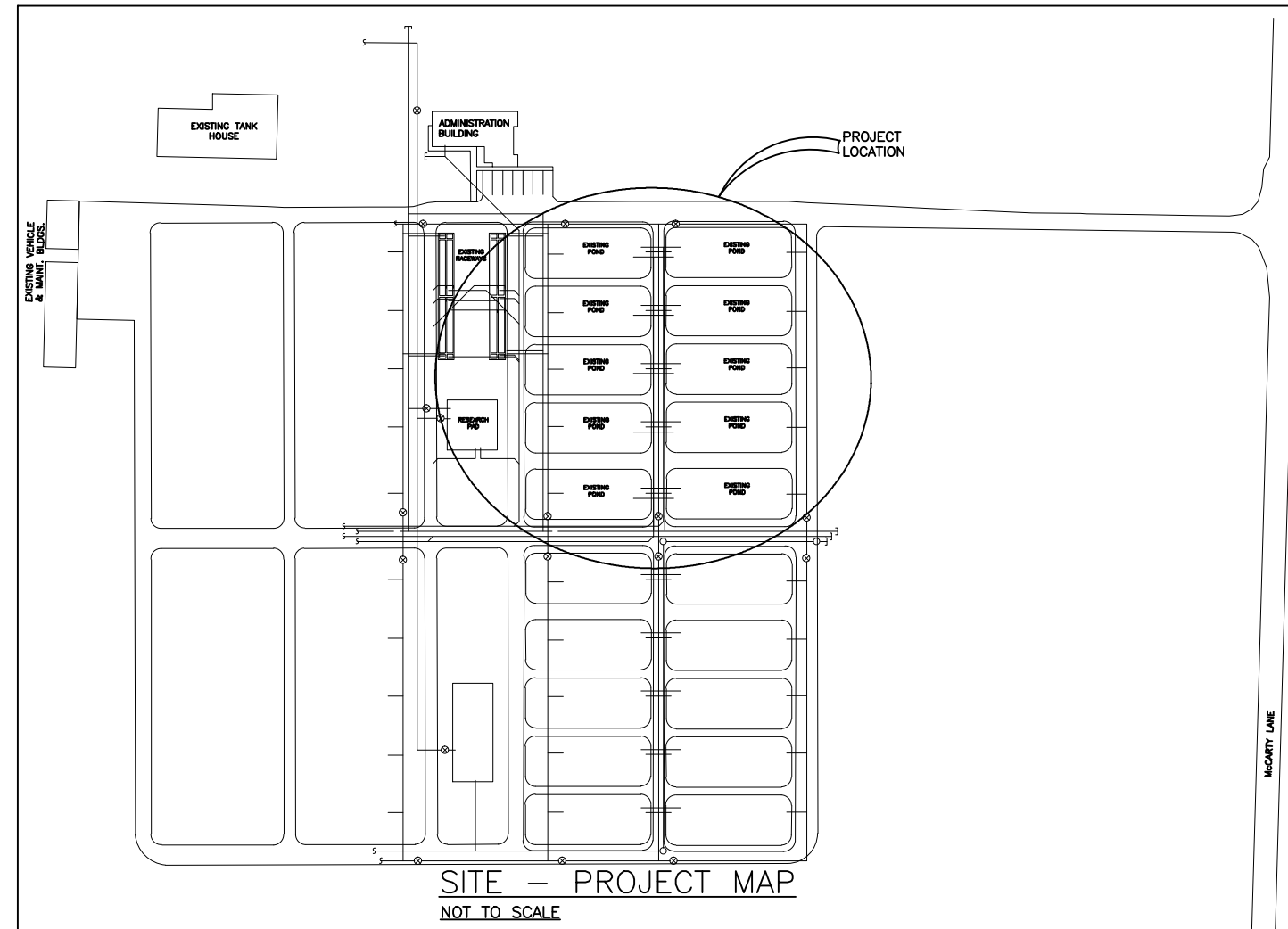
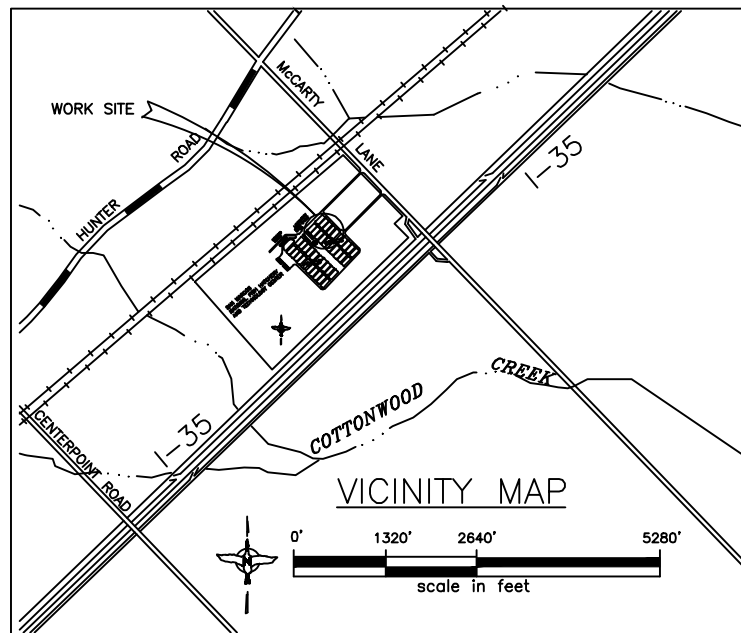


UNITED STATES DEPARTMENT OF THE INTERIOR
 U.S. FISH AND WILDLIFE SERVICE
2013 EXPERIMENTAL CHANNEL PROJECT
SAN MARCOS AQUATIC RESOURCE CENTER

HAYES COUNTY

TEXAS

ASSET # :



INDEX TO DRAWINGS	
SHT. No.	DRAWING TITLE
1	MAPS & INDEX OF DRAWINGS
2	EXISTING LAYOUT
3	CONCEPTUAL CHANNEL LAYOUT
4	SECTIONS

APPROVALS

PROGRAM SUPERVISOR _____

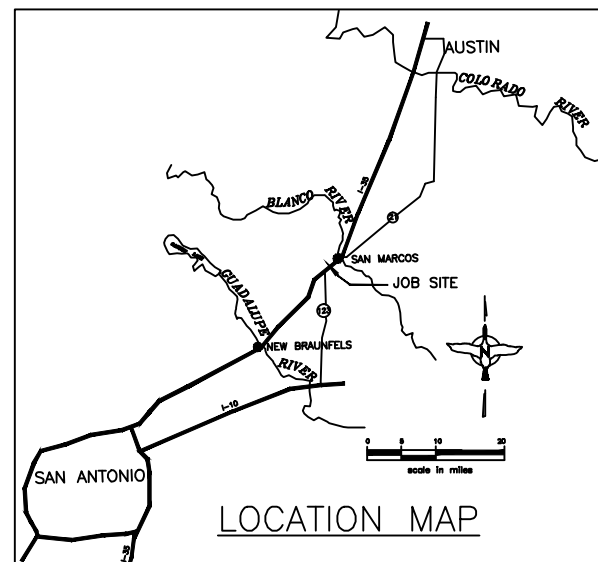
REGIONAL ENGINEER _____

PROJECT MANAGER _____

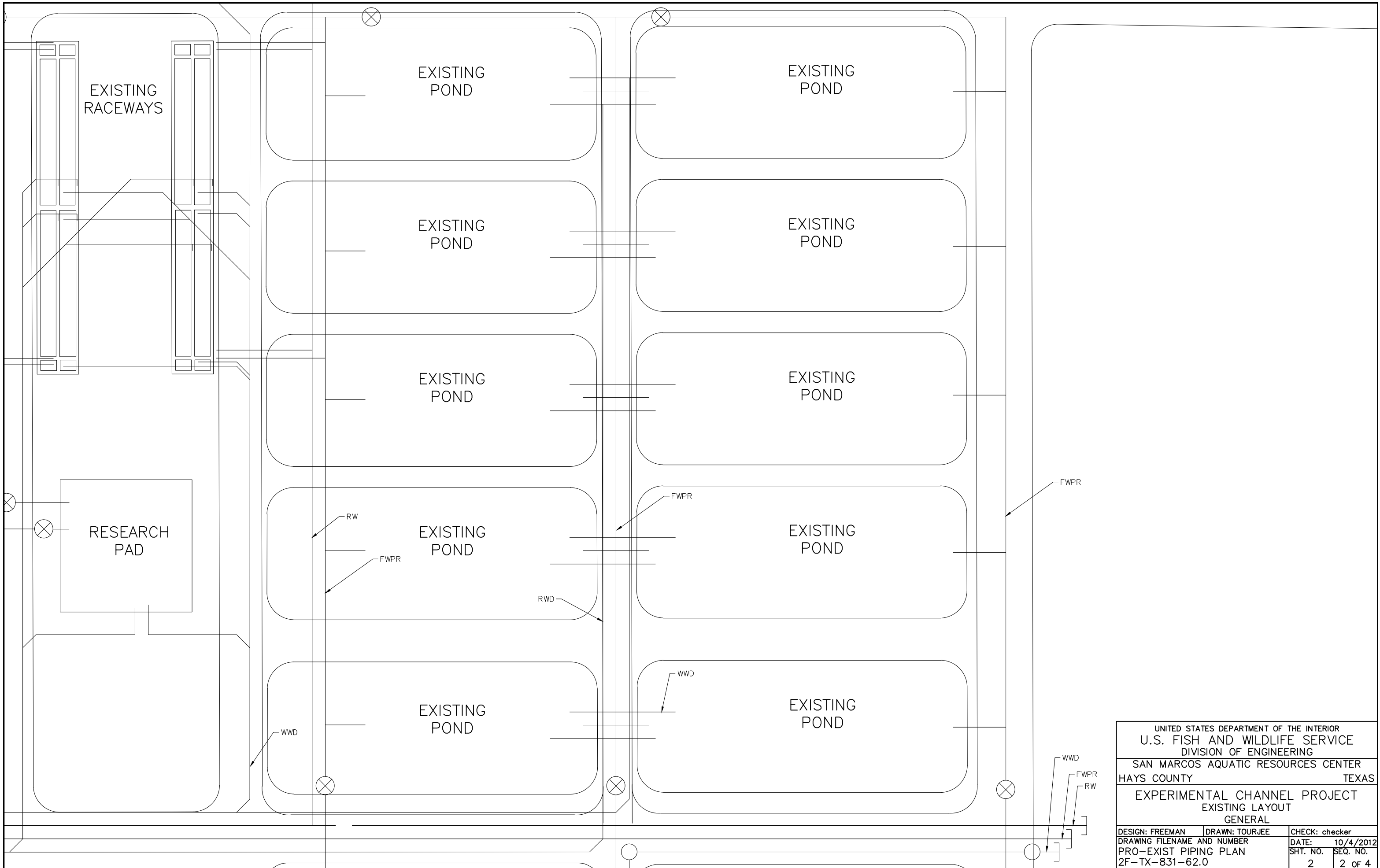
ENVIRONMENTAL COMPLIANCE _____

CULTURAL RESOURCES _____

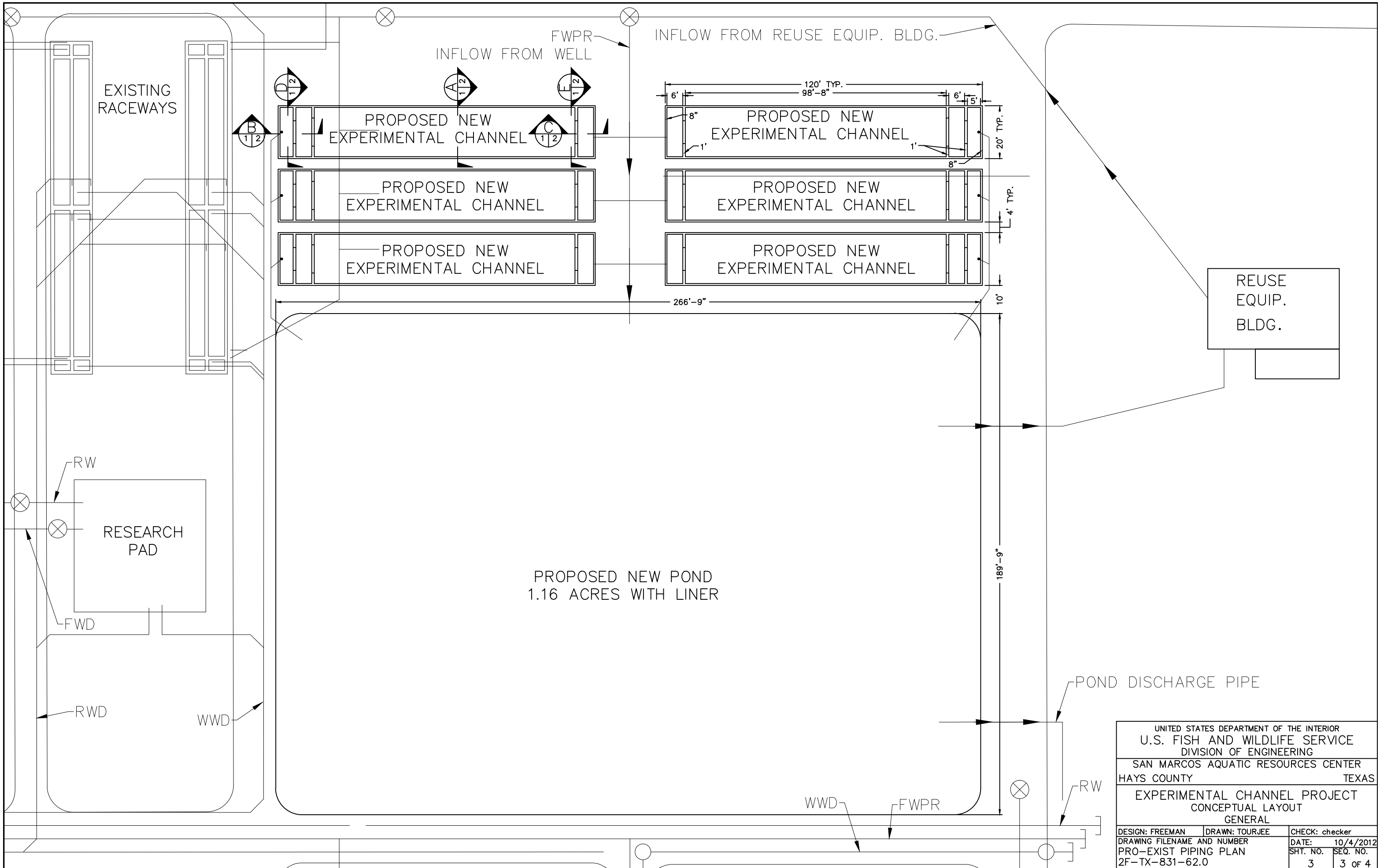
ENERGY COMPLIANCE _____



UNITED STATES DEPARTMENT OF THE INTERIOR U.S. FISH AND WILDLIFE SERVICE DIVISION OF ENGINEERING		
SAN MARCOS AQUATIC RESOURCES CENTER HAYS COUNTY TEXAS		
EXPERIMENTAL CHANNEL PROJECT MAPS AND INDEX OF DRAWINGS GENERAL		
DESIGN: FREEMAN	DRAWN: TOURJEE	CHECK: checker
DRAWING FILENAME AND NUMBER	DATE: 10/4/2012	SHT. NO. SEQ. NO.
PRO-EXIST PIPING PLAN		1 1 of 4
2F-TX-831-62.0		



UNITED STATES DEPARTMENT OF THE INTERIOR U.S. FISH AND WILDLIFE SERVICE DIVISION OF ENGINEERING		
SAN MARCOS AQUATIC RESOURCES CENTER HAYS COUNTY TEXAS		
EXPERIMENTAL CHANNEL PROJECT EXISTING LAYOUT GENERAL		
DESIGN: FREEMAN	DRAWN: TOURJEE	CHECK: checker
DRAWING FILENAME AND NUMBER PRO-EXIST PIPING PLAN 2F-TX-831-62.0		DATE: 10/4/2012 SHT. NO. 2 SEQ. NO. 2 OF 4



EXISTING RACEWAYS

INFLOW FROM WELL
FWPR

INFLOW FROM REUSE EQUIP. BLDG.

PROPOSED NEW EXPERIMENTAL CHANNEL

120' TYP.
98'-8"
6'
8"
1'
6' 1/2'
20' TYP.
8"

PROPOSED NEW EXPERIMENTAL CHANNEL

PROPOSED NEW EXPERIMENTAL CHANNEL

PROPOSED NEW EXPERIMENTAL CHANNEL

PROPOSED NEW EXPERIMENTAL CHANNEL

REUSE EQUIP. BLDG.

266'-9"

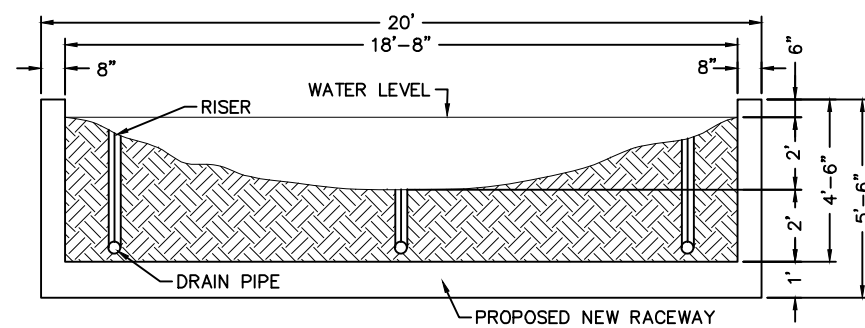
189'-9"

PROPOSED NEW POND
1.16 ACRES WITH LINER

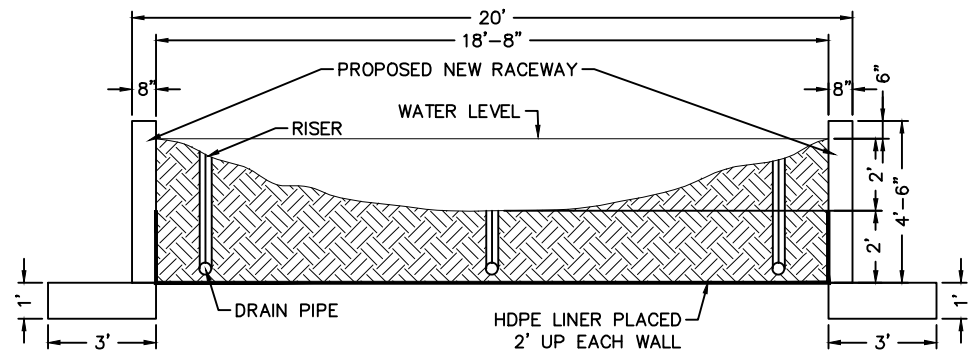
POND DISCHARGE PIPE

RESEARCH PAD

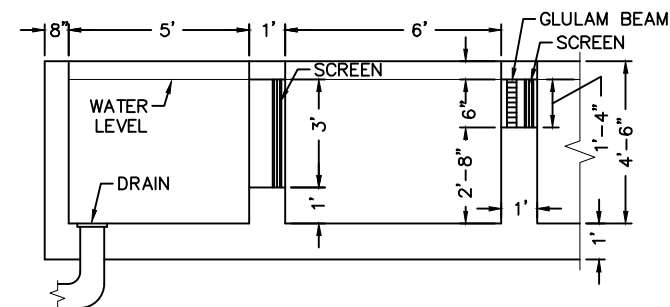
UNITED STATES DEPARTMENT OF THE INTERIOR		
U.S. FISH AND WILDLIFE SERVICE		
DIVISION OF ENGINEERING		
SAN MARCOS AQUATIC RESOURCES CENTER		TEXAS
HAYS COUNTY		
EXPERIMENTAL CHANNEL PROJECT		
CONCEPTUAL LAYOUT		
GENERAL		
DESIGN: FREEMAN	DRAWN: TOURJEE	CHECK: checker
DRAWING FILENAME AND NUMBER	DATE: 10/4/2012	
PRO-EXIST PIPING PLAN	SHT. NO.	SEQ. NO.
2F-TX-831-62.0	3	3 OF 4



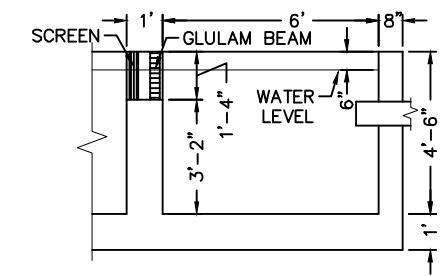
SECTION A PROPOSED NEW RACEWAY OPTION 1.
SCALE: 3/16" = 1'-0"



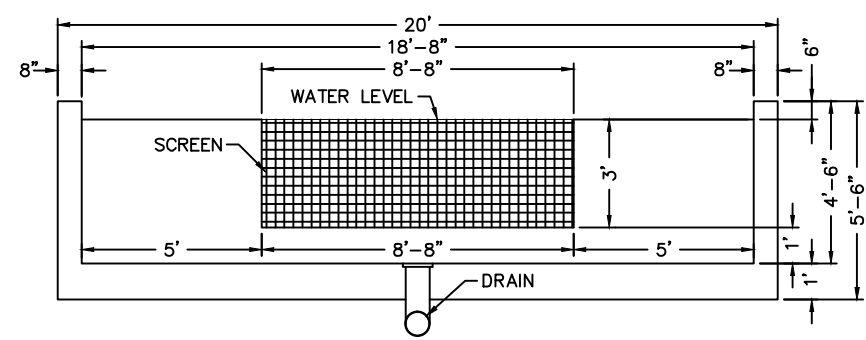
SECTION A PROPOSED NEW RACEWAY OPTION 2.
SCALE: 3/16" = 1'-0"



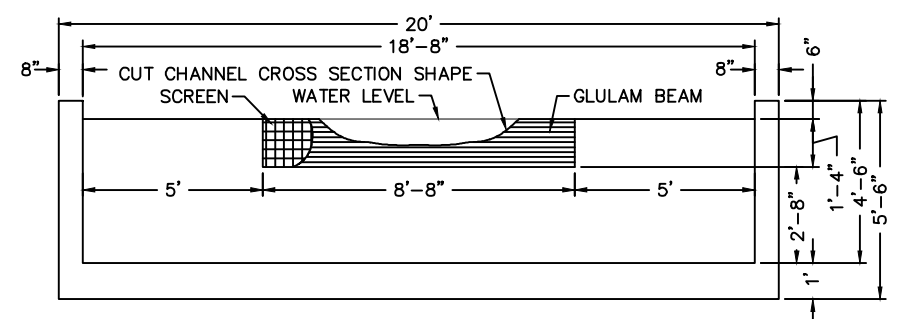
SECTION B PROPOSED TRAP-OUTLET BOX
SCALE: 3/16" = 1'-0"



SECTION C PROPOSED INLET BOX
SCALE: 3/16" = 1'-0"



SECTION D PROPOSED TRAP-OUTLET BOX
SCALE: 3/16" = 1'-0"



SECTION E PROPOSED INLET BOX
SCALE: 3/16" = 1'-0"

UNITED STATES DEPARTMENT OF THE INTERIOR		
U.S. FISH AND WILDLIFE SERVICE		
DIVISION OF ENGINEERING		
SAN MARCOS AQUATIC RESOURCES CENTER		
HAYS COUNTY		TEXAS
EXPERIMENTAL CHANNEL PROJECT		
SECTIONS		
GENERAL		
DESIGN: FREEMAN	DRAWN: TOURJEE	CHECK: checker
DRAWING FILENAME AND NUMBER	DATE: 10/4/2012	SHT. NO. SEQ. NO.
PRO-EXIST PIPING PLAN		4 4 OF 4
2F-TX-831-62.0		