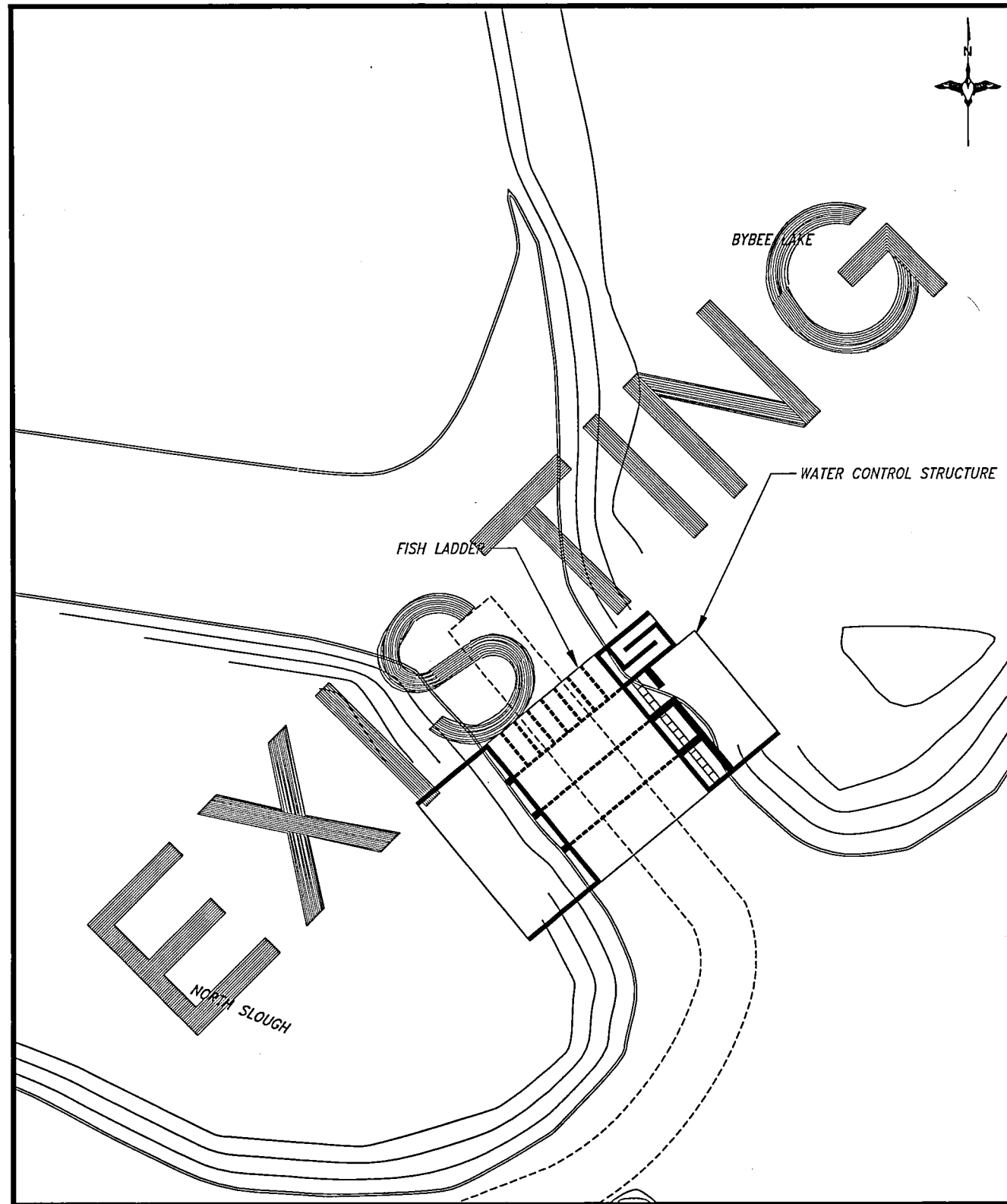
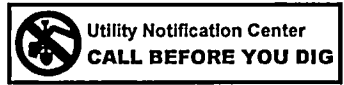


0 15 30
FEET
SCALE

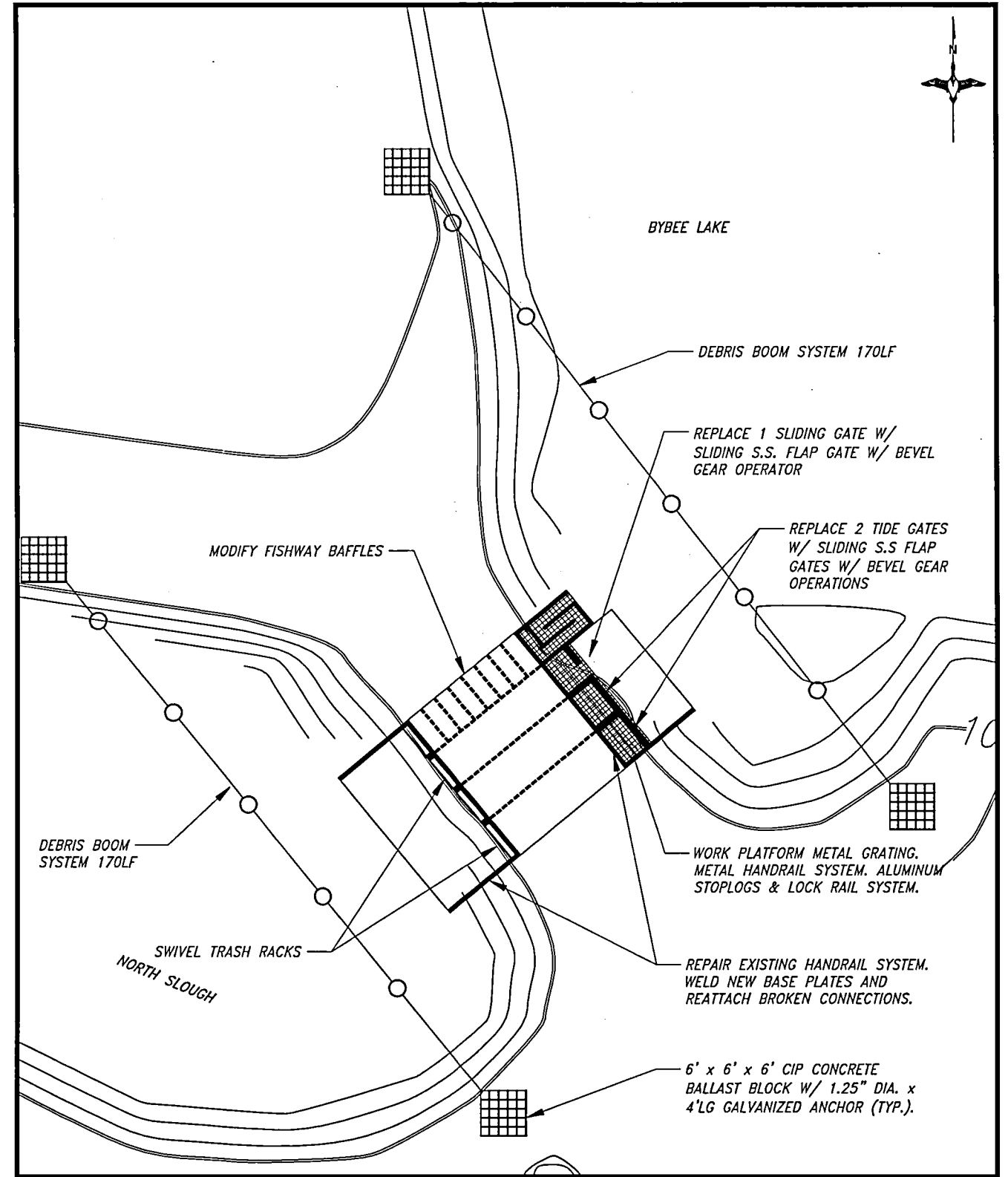


1
13
EXISTING SITE PLAN

Unauthorized Changes & Uses
The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. All changes must be in writing and must be approved by the preparer of these plans.



0 15 30
FEET
SCALE



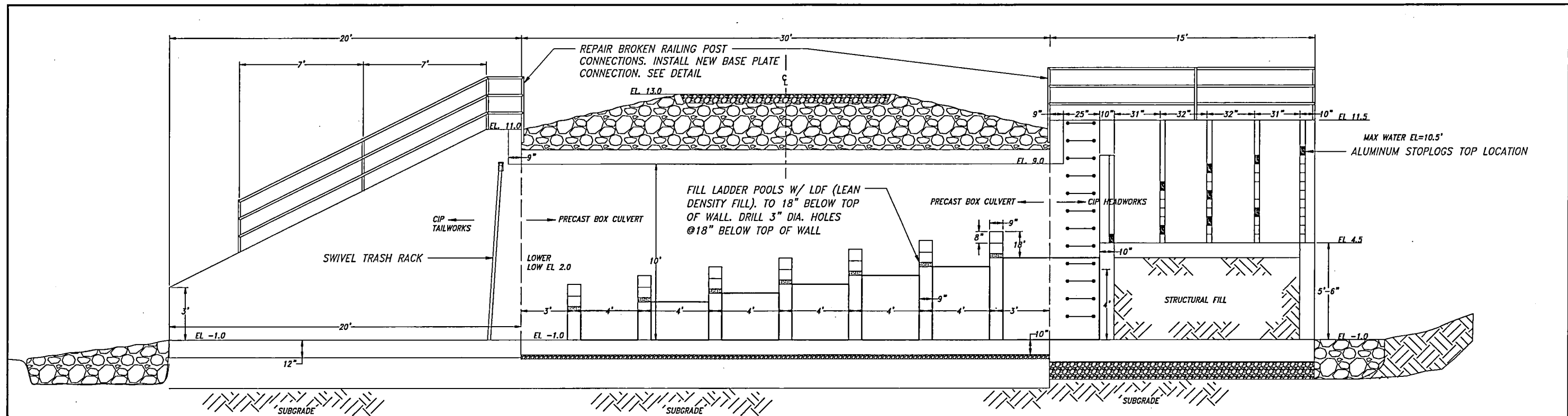
2
13
WCS IMPROVEMENTS

REVISIONS			
REV. NO.	DESCRIPTION	DATE	APPROVED
1			
2			
3			
4			
5			

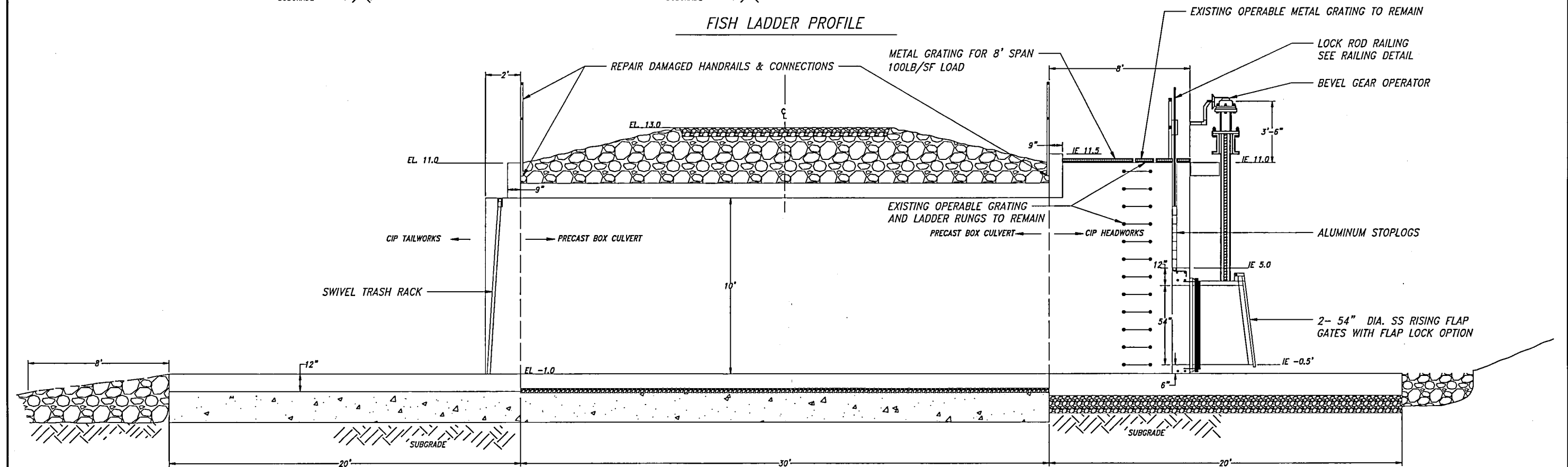


PROJECT NO. US-OR-32-8	DATE: 6/22/2016	DESIGNED BY: OW
METRO: SMITH-BYBEE PLAN		DRAWN BY: DMG
		SURVEYED BY:
		CHECKED BY:
WCS EXISTING AND IMPROVEMENTS		SHEET NO. 13 of 18

90%DESIGN



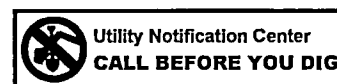
FISH LADDER PROFILE



OPEN CULVERT PROFILE

1
14 CHANGES TO WATER CONTROL STRUCTURE

Unauthorized Changes & Uses
The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. All changes must be in writing and must be approved by the preparer of these plans.



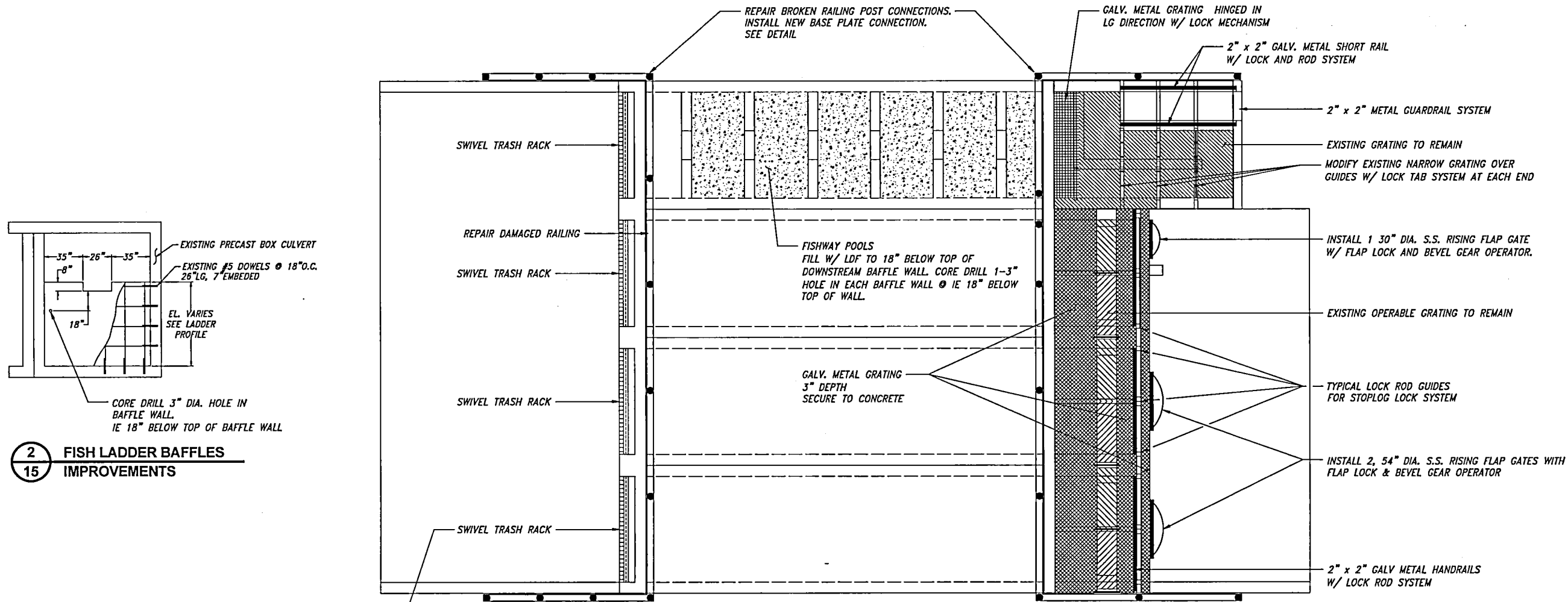
REVISIONS			
REV. NO.	DESCRIPTION	DATE	APPROVED
1			
2			
3			
4			
5			



PROJECT NO. US-OR-32-8	DATE: 6/20/2016	DESIGNED BY: GW
METRO: SMITH BYBEE		DRAWN BY: DMC
		SURVEYED BY:
		CHECKED BY:
		SHEET NO. 14 of 18

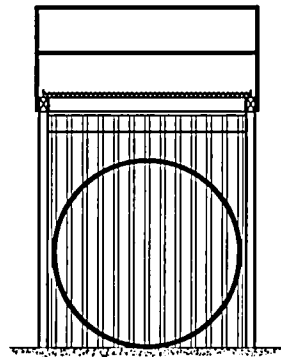
90%DESIGN

WCS IMPROVEMENTS

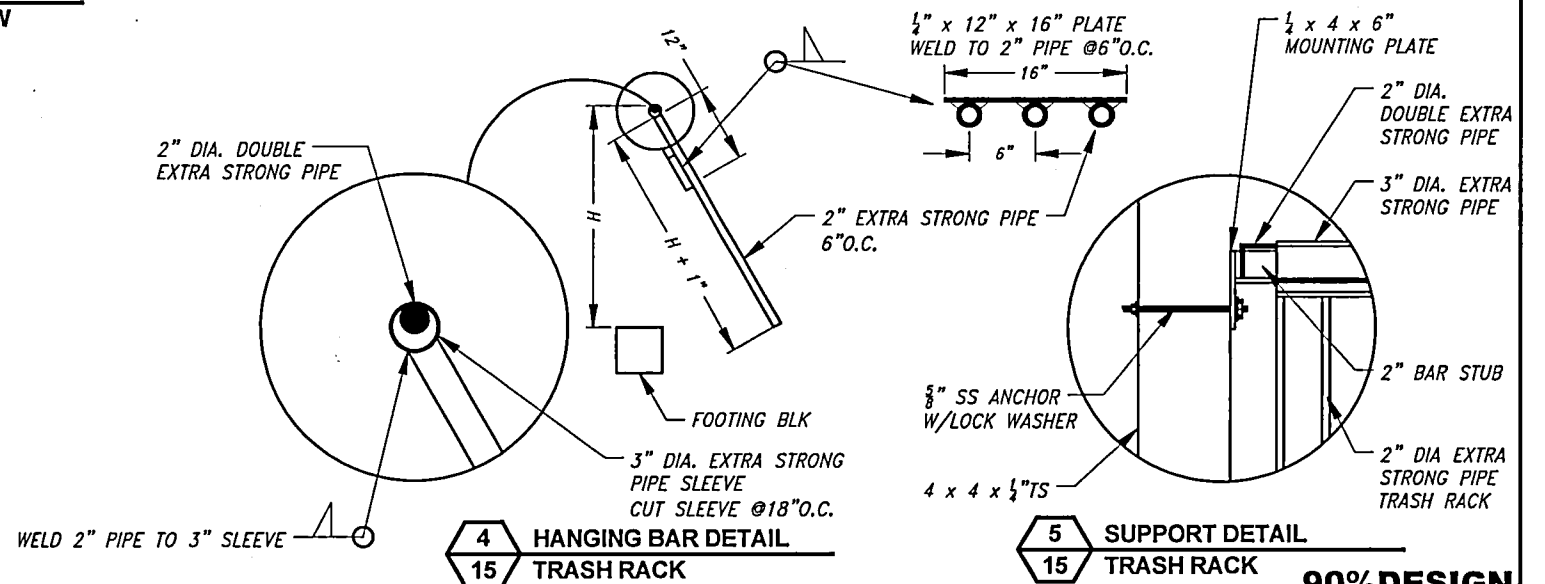


2
15 FISH LADDER BAFFLES IMPROVEMENTS

1
15 WCS IMPROVEMENTS WCS PLAN VIEW



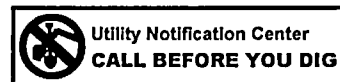
3
15 TRASH RACK



4
15 HANGING BAR DETAIL TRASH RACK

5
15 SUPPORT DETAIL TRASH RACK

Unauthorized Changes & Uses
The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. All changes must be in writing and must be approved by the preparer of these plans.

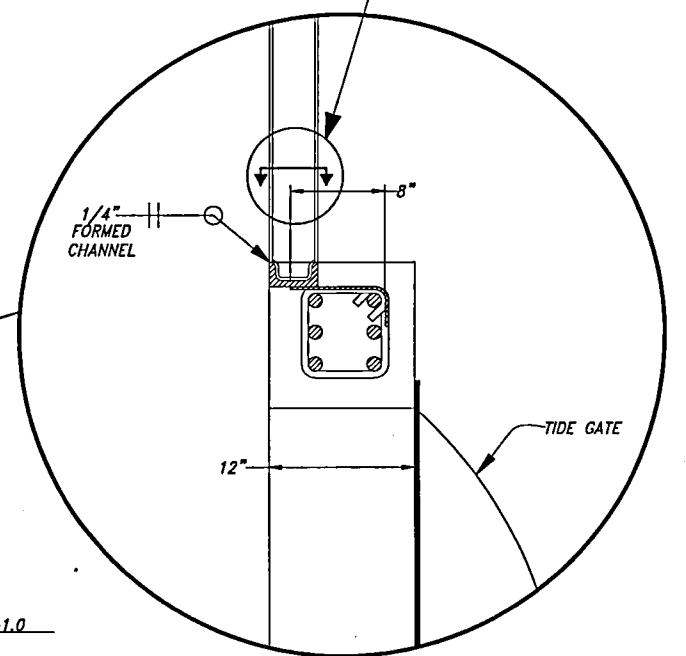
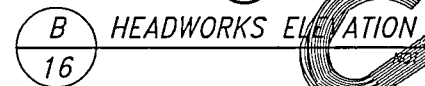
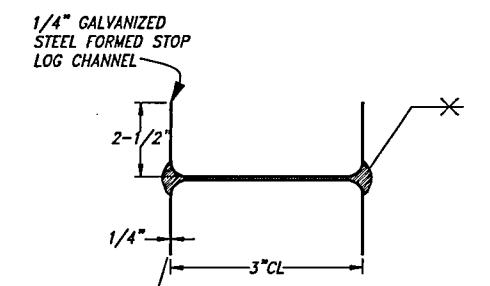


REVISIONS			
REV. NO.	DESCRIPTION	DATE	APPROVED

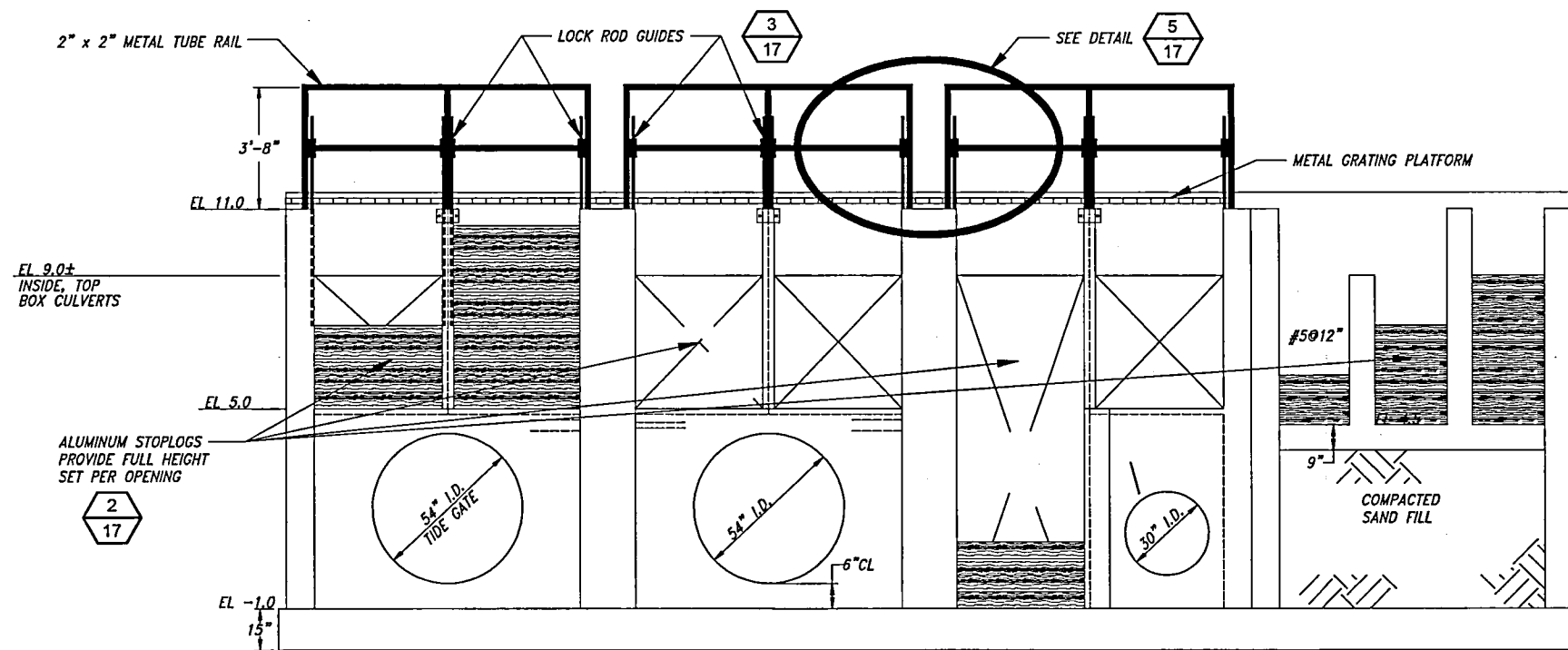


PROJECT NO. US-OR-32-8	DATE: 6/21/2016	DESIGNED BY: GW
METRO: SMITH BYBEE	DRAWN BY: DMC	SURVEYED BY:
	CHECKED BY:	SHEET NO.
WCS IMPROVEMENTS		15 of 18

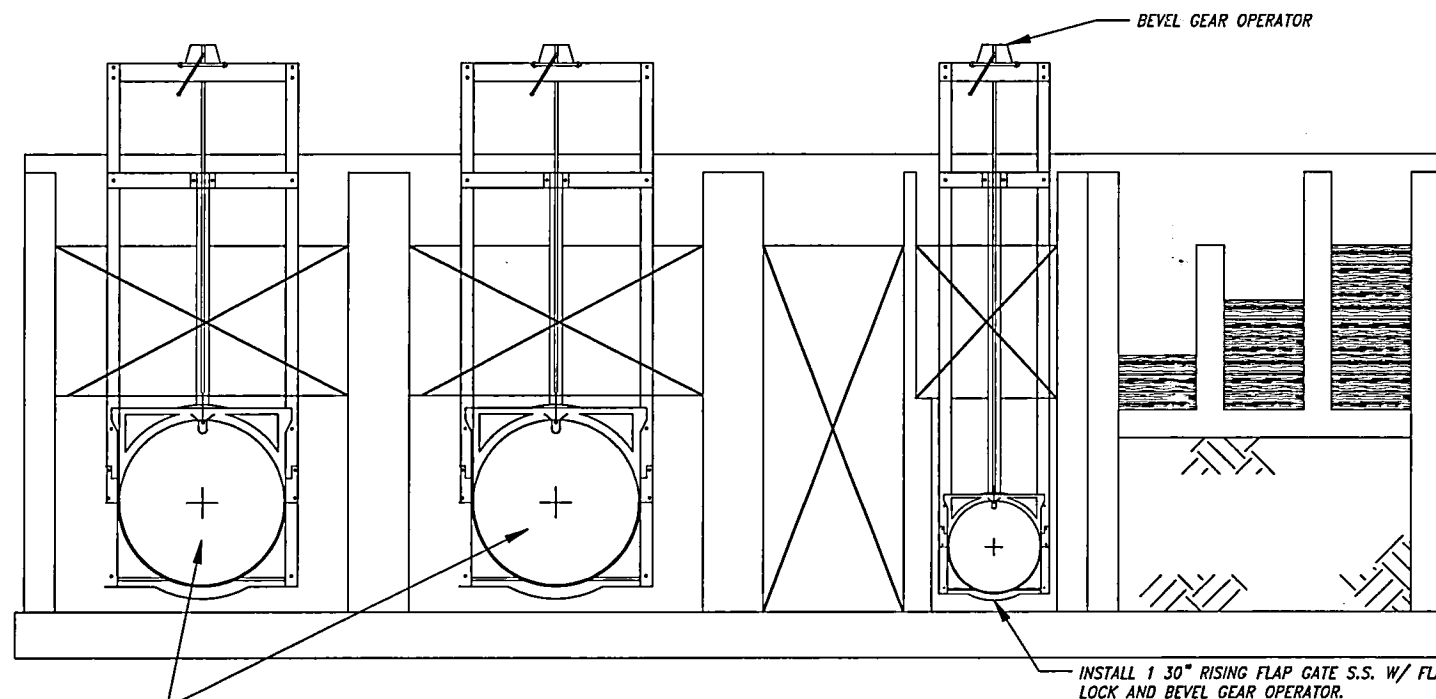
90% DESIGN



90% DESIGN	
PROJECT NO. US-OR-32-8	DATE: 6/22/2016
METRO: SMITH BYBEE	DESIGNED BY: GW
	DRAWN BY: DMC
EXISTING WCS DETAILS	SURVEYED BY:
	CHECKED BY:
	SHEET NO. 16 of 18

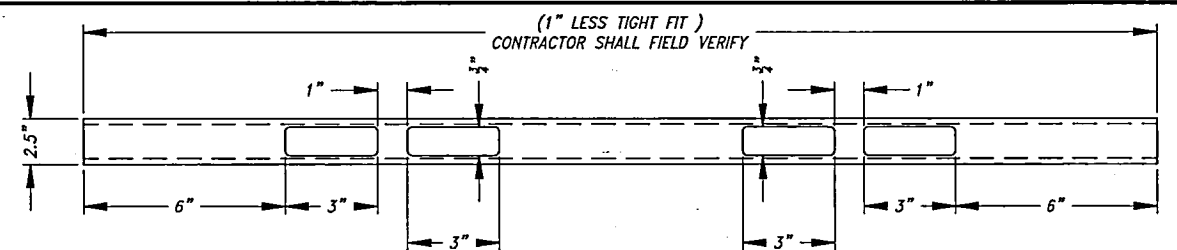


1 STOPLOGS & LOCK ROD RAIL SYSTEM IMPROVEMENTS
17 ELEVATION



2-54" DIA. RISING FLAP GATE S.S. WITH FLAP LOCK SYSTEM AND BEVEL GEAR OPERATORS

2 GATES IMPROVEMENTS
17 ELEVATION

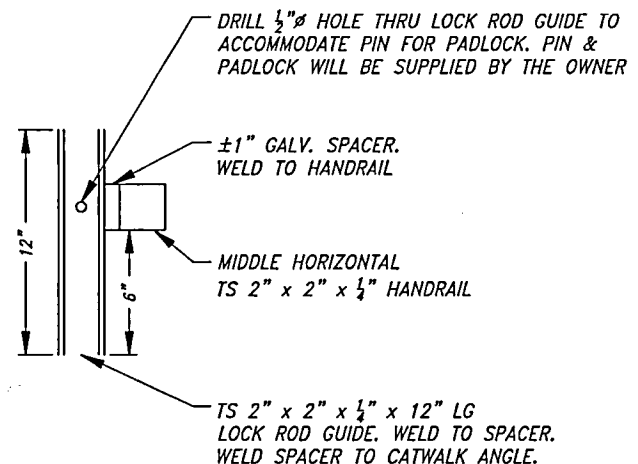


NOTE:
ALL ALUMINUM STOPLOGS SHALL BE SUPPLIED BY THE CONTRACTOR

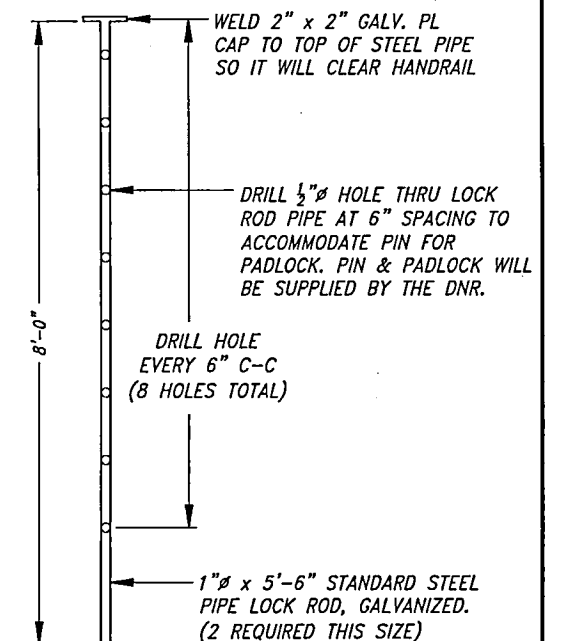
CONTRACTOR IS RESPONSIBLE FOR CUTTING STOPLOGS TO PROPER LENGTH AND FABRICATING THE HOLES IN ALL STOPLOGS AS SHOWN. THE $\frac{3}{4}$ " DIMENSION IS CRITICAL AND NEEDS TO BE CENTERED IN THE STOPLOG TO AVOID LEAKAGE. THE FINISHED SURFACE SHALL BE SMOOTH TO PROVIDE A FLAT SURFACE FOR THE STOPLOG.

ALUMINUM STOPLOGS: 2 STOPLOGS, 1.5" x 3" x $\frac{1}{4}$ "
CONTRACTOR SUPPLIES: 20 STOPLOGS, 1.5" x 6" x $\frac{1}{4}$ " WITH LIFTING HOLES

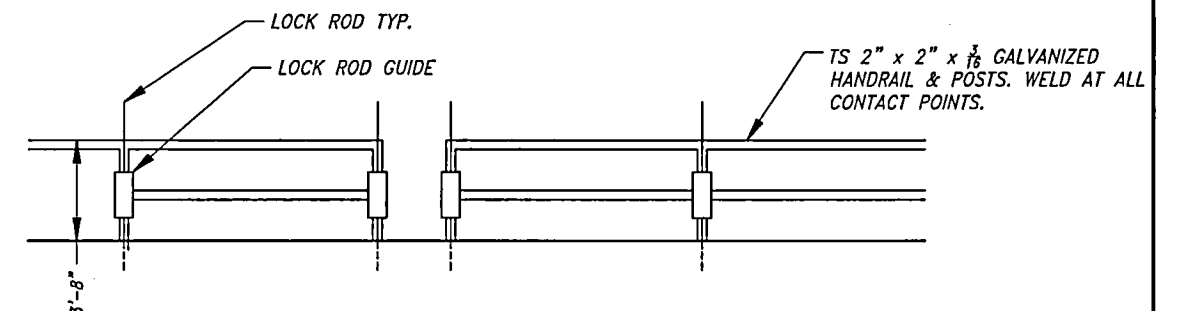
3 ALUMINUM STOPLOG
17 TYPICAL



4 LOCK ROD GUIDE
17 TYPICAL



5 LOCK ROD GUIDE
17 TYPICAL



6 LOCK ROD & RAIL SYSTEM
17

90%DESIGN

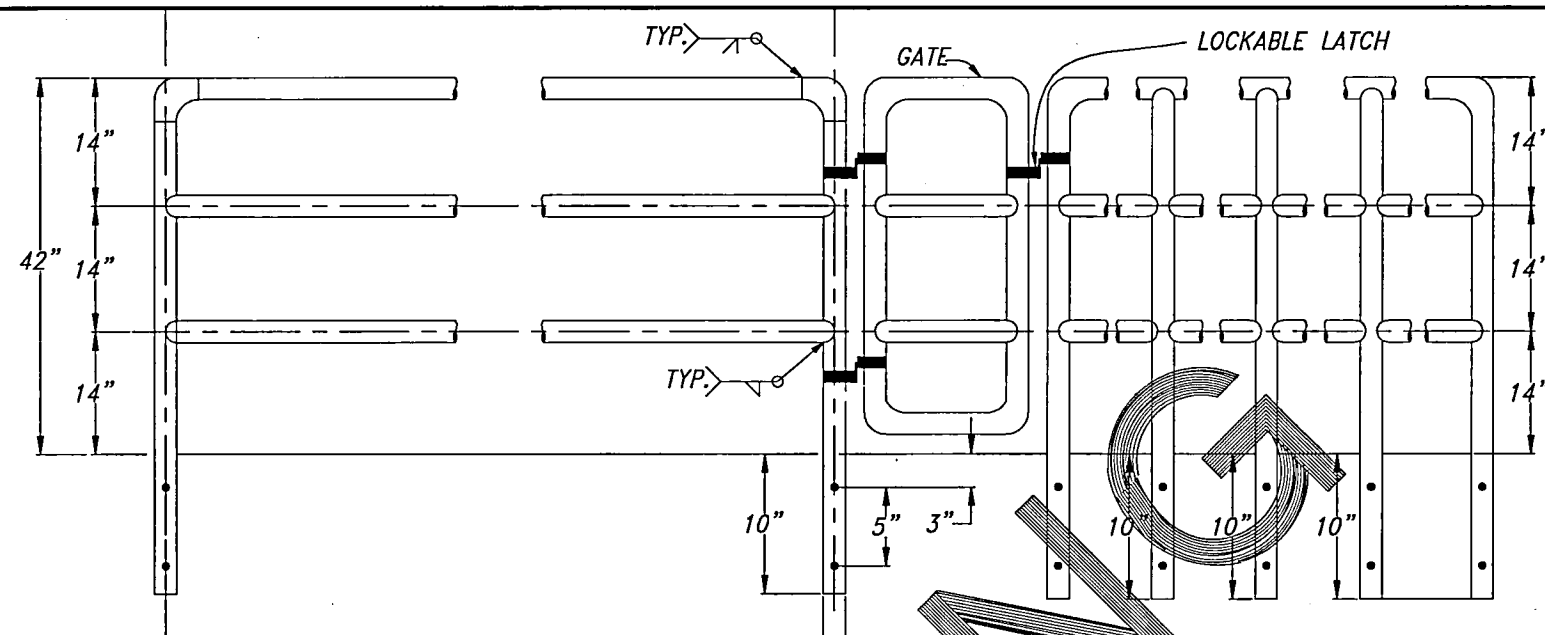
Unauthorized Changes & Uses
The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. All changes must be in writing and must be approved by the preparer of these plans.



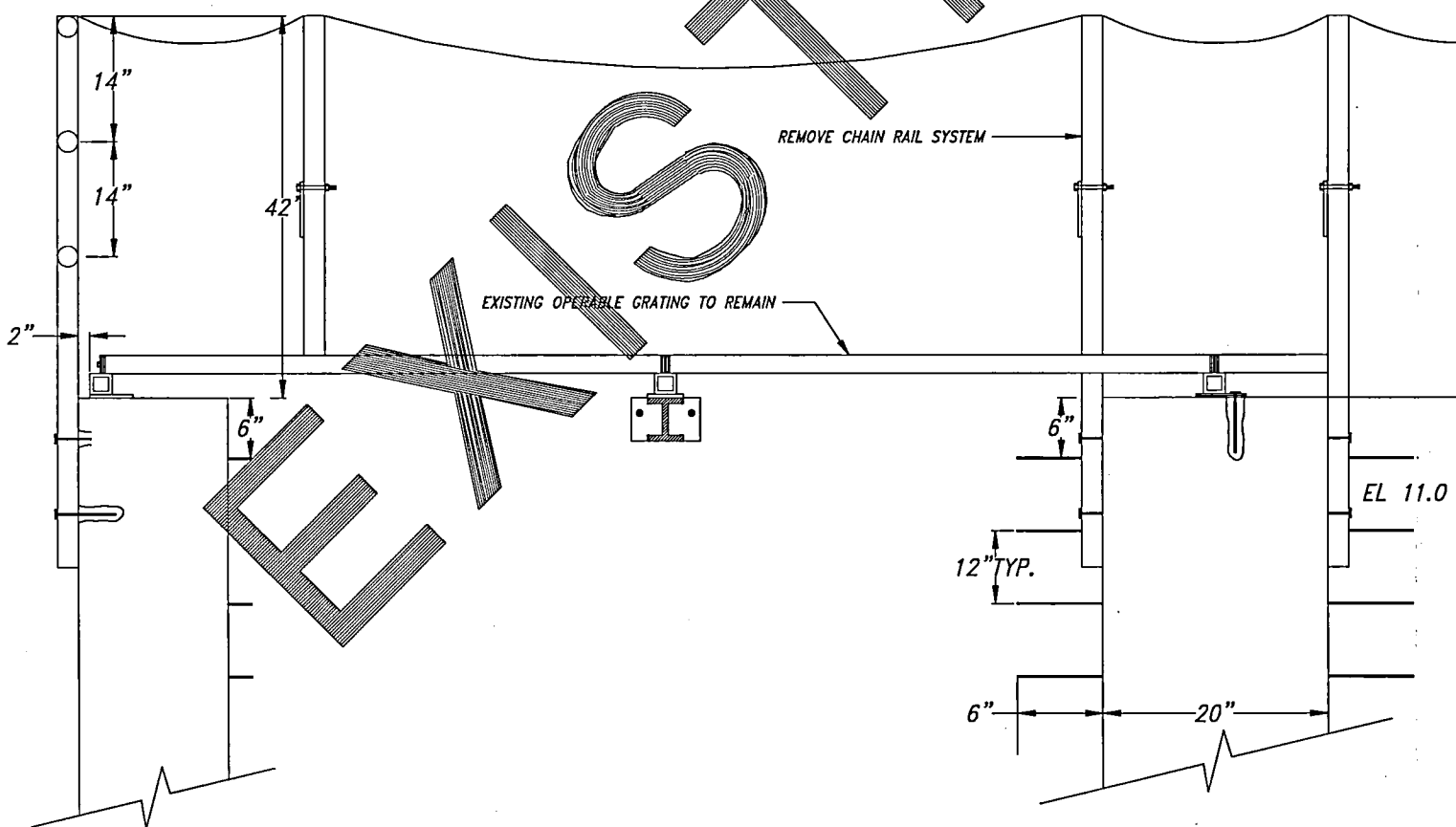
REVISIONS			
REV. NO.	DESCRIPTION	DATE	APPROVED
1			
2			
3			
4			
5			



PROJECT NO. US-OR-32-8	DATE: 6/21/2016	DESIGNED BY: GW
METRO: SMITH BYBEE		DRAWN BY: DAC
		SURVEYED BY:
		CHECKED BY:
		SHEET NO.
WCS IMPROVEMENTS		17 of 18

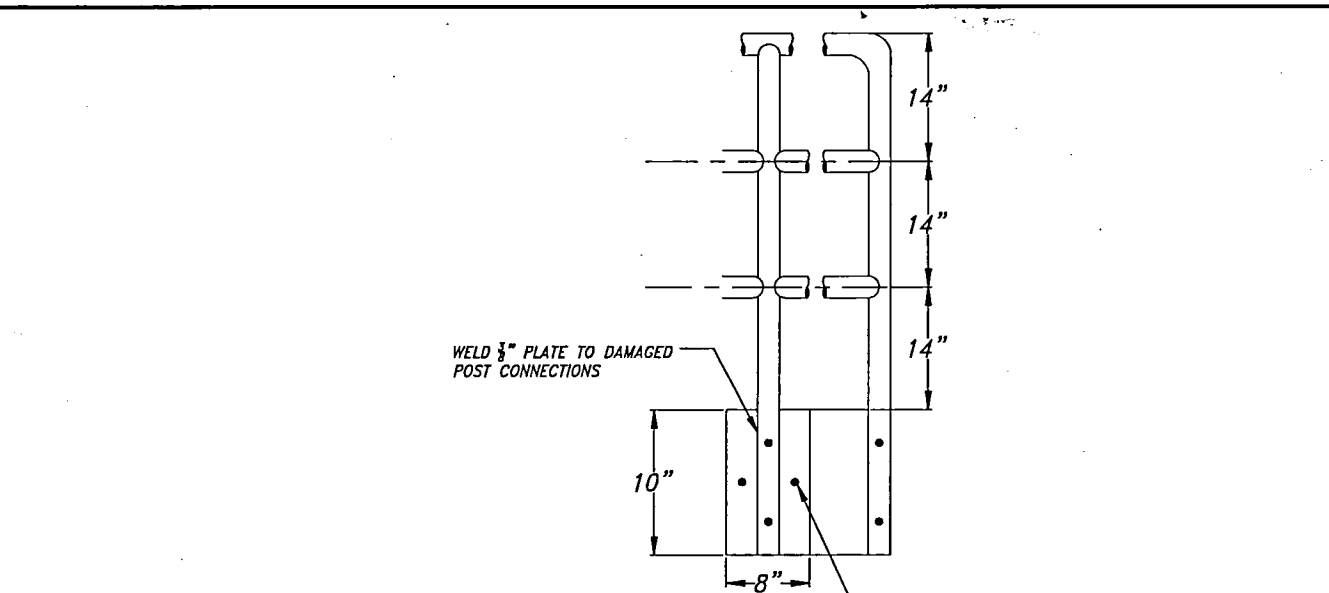


1
18 GUARDRAIL SYSTEM
EXISTING

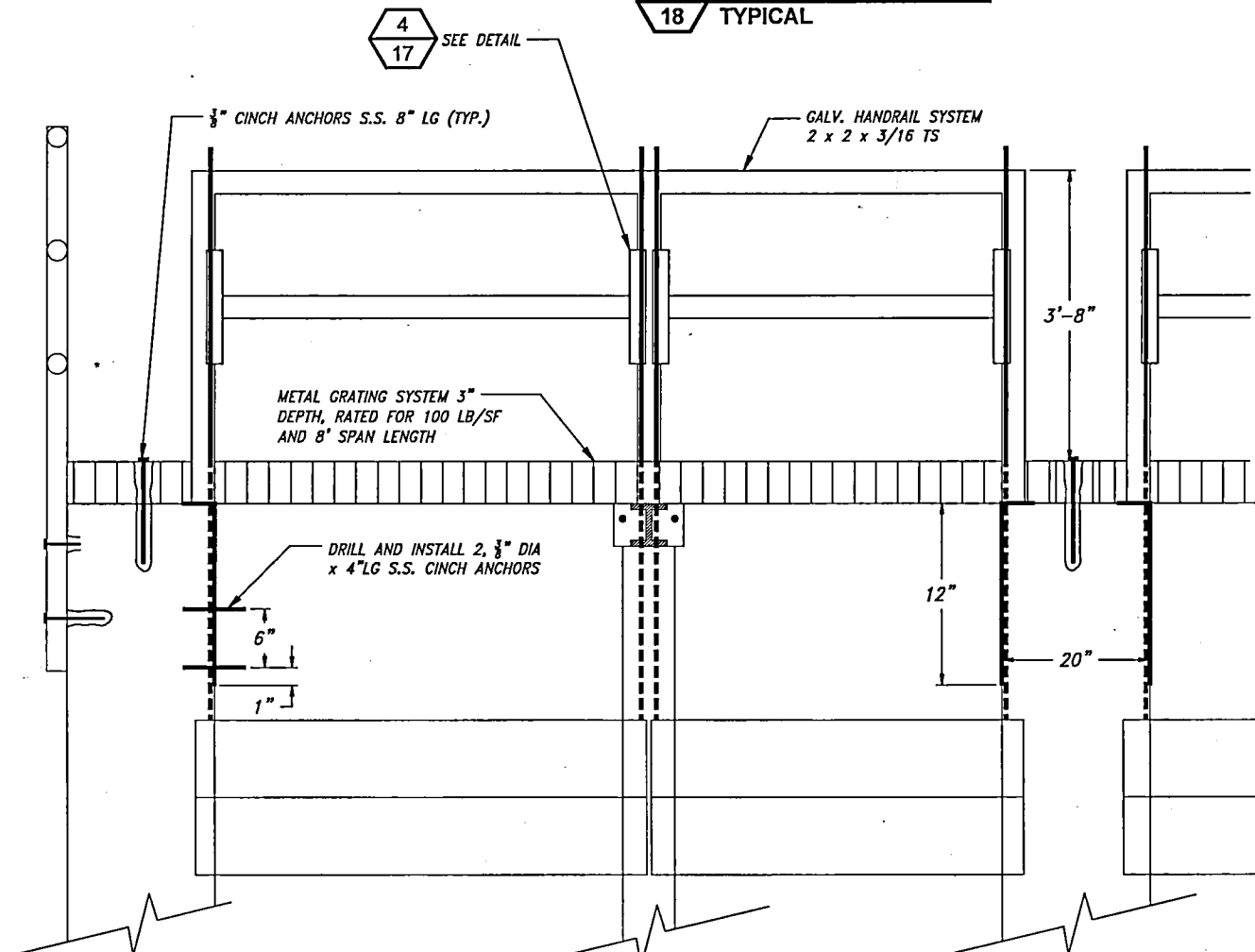


2
18 CHAIN RAIL & GRATING SYSTEM
EXISTING

Unauthorized Changes & Uses
The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. All changes must be in writing and must be approved by the preparer of these plans.



3
18 POST ANCHOR REPAIR
TYPICAL



4
18 METAL GRATING RAILING
IMPROVEMENTS

90%DESIGN

REV. NO.	DESCRIPTION	DATE	APPROVED
1			
2			
3			
4			



PROJECT NO. US-OR-32-8	DATE: 6/22/2016	DESIGNED BY: GW
SMITH BYBEE		DRAWN BY: DMC
		SURVEYED BY:
		CHECKED BY:
		SHEET NO. 18 of 18