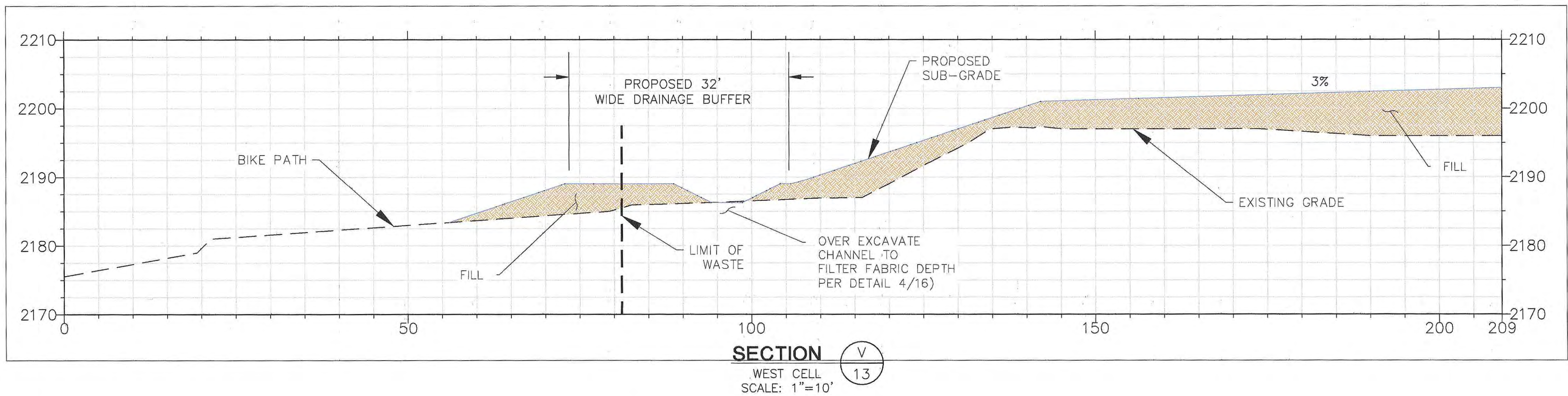
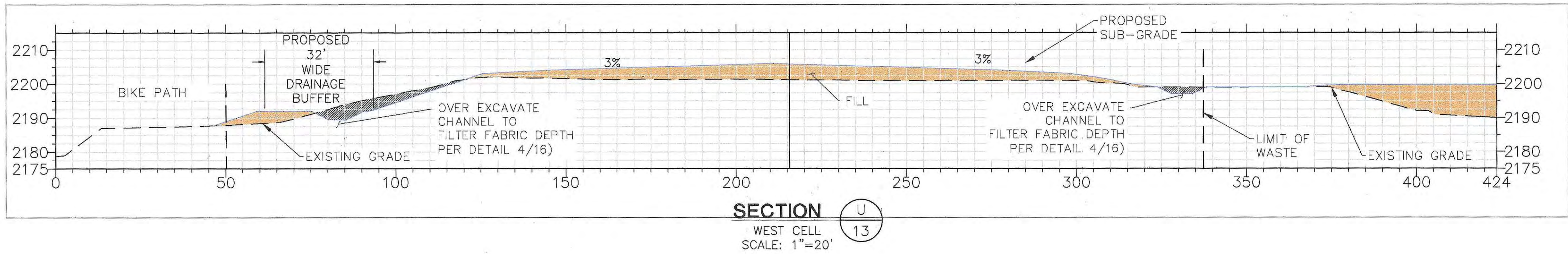
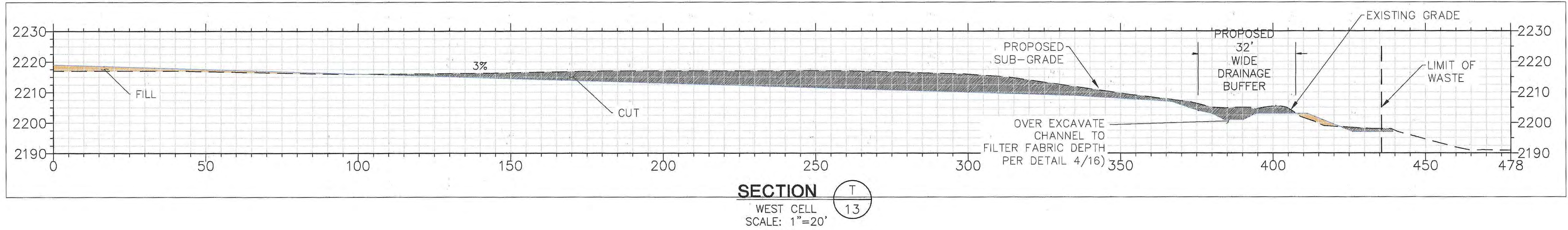


F:\DATA\CLIENTS\PIMA COUNTY\INA ROAD LANDFILL CLOSURE\DRAWINGS\PH 1\JRCI_ROUGH-GRADING-PLANS.DWG



REV	DATE	DESCRIPTION	OK BY

QUALITY ASSURANCE
1-800-STAKE-IT

PROFESSIONAL REGISTERED ENGINEER
CERTIFICATE NO. 27000
J. L. K. J.
TUCSON, ARIZONA U.S.A.

CROSS SECTIONS T, U & V

PROJECT TITLE
PHASE 1 CLOSURE PLANS (ROUGH GRADING)
FOR THE
INA ROAD CONSTRUCTION DEBRIS LANDFILL

CLIENT
PIMA COUNTY SOLID WASTE MANAGEMENT
5301 W. INA ROAD
TUCSON, ARIZONA 85743
PHONE (520) 744-6173 FAX (520) 744-4013

TETRA TECH
CONSULTING CIVIL & ENVIRONMENTAL ENGINEERS
3822 E. UNIVERSITY DR. SUITE 2
PHOENIX, AZ 85034 (602) 257-0336
PROJ. NO. 2018-0078
DATE: 07-2019
DRAWN BY: K.J. L. & G.S.
CHECKED BY: K.J. L. & G.S.
APPROVED BY: K.J. L. & G.S.

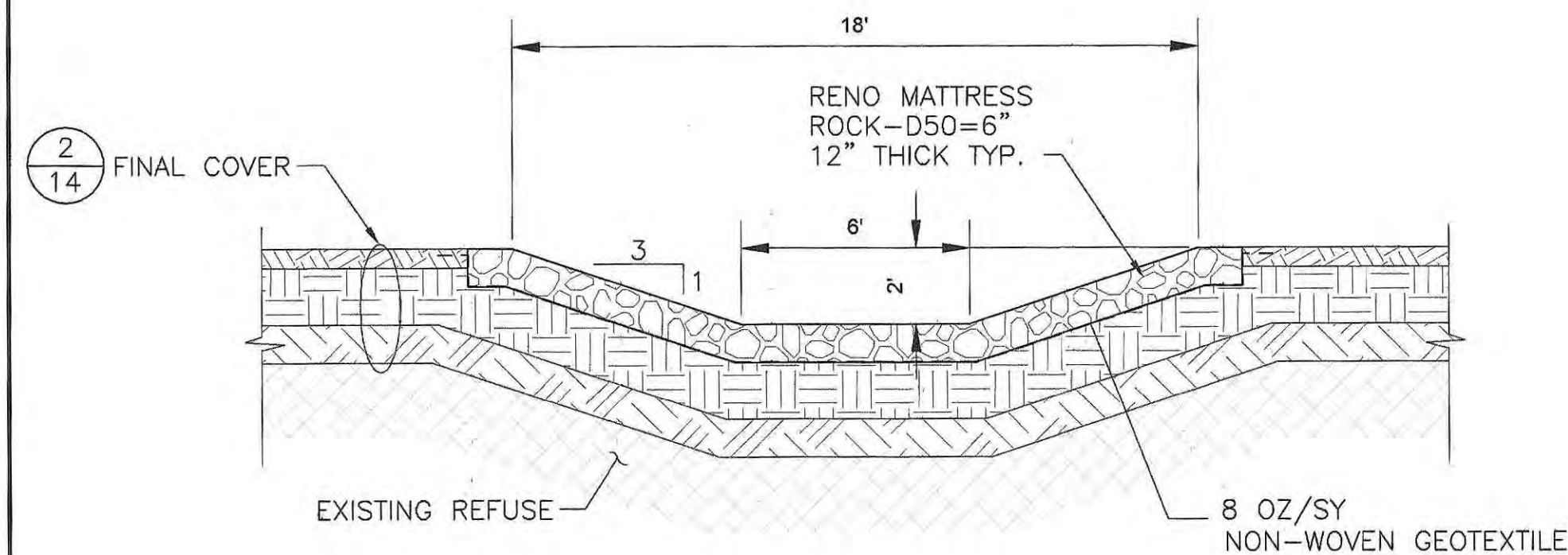
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DATE: 07-2019

SCALE:

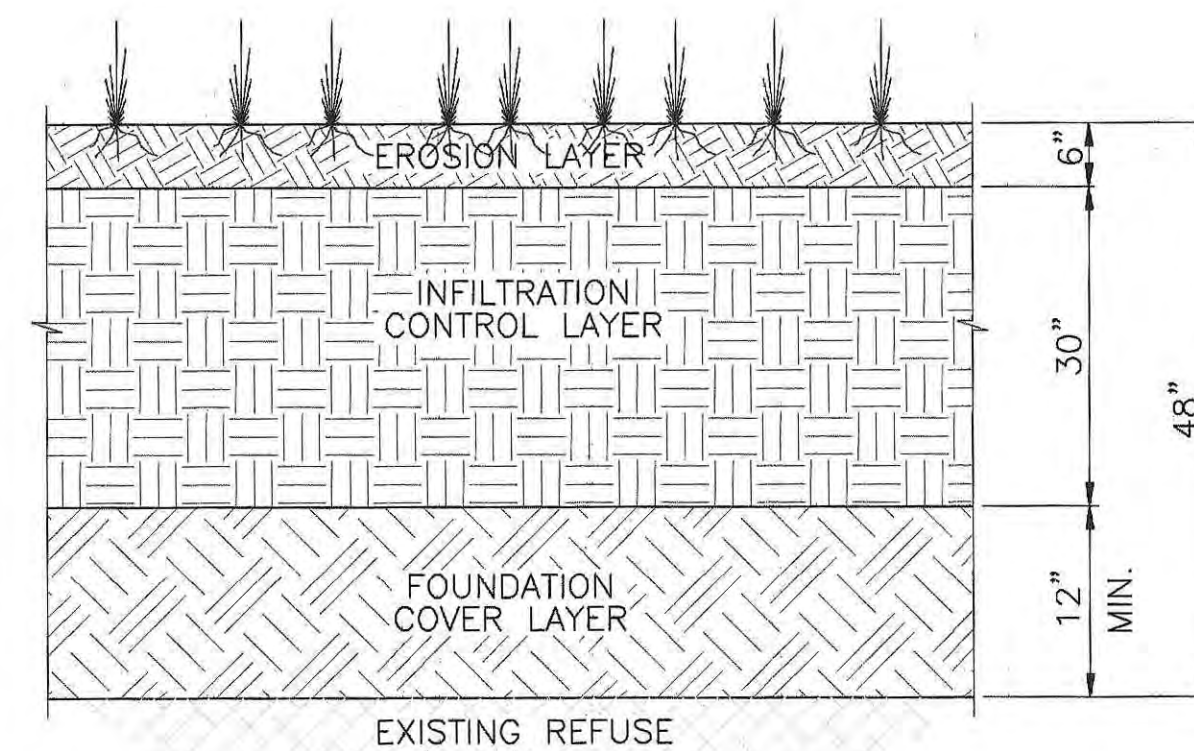
DRAWING NO. 13 of 16

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DOWNDRAIN (TYP.)
NTS

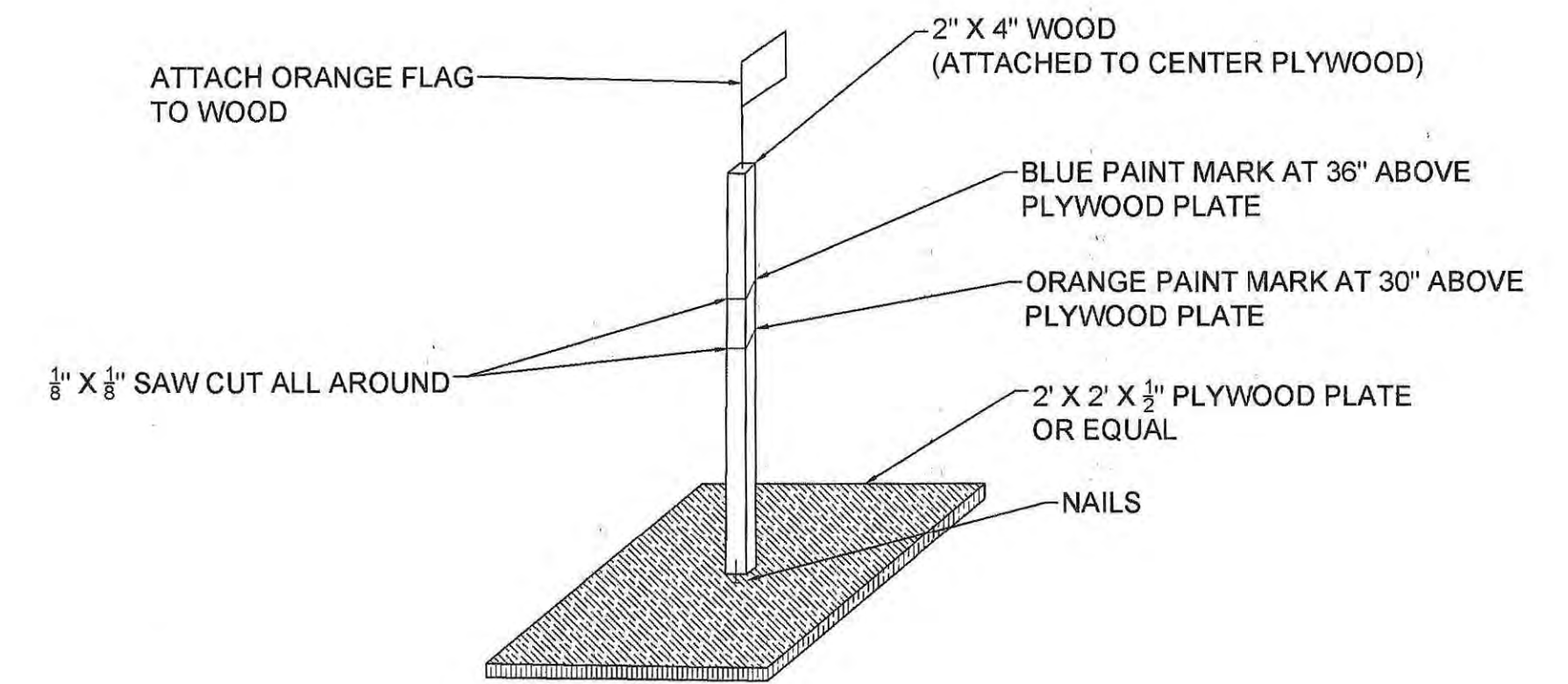
1
14



NOTE:
SOIL PROPERTIES WILL BE VERIFIED ONCE A BORROW SOURCE HAS BEEN IDENTIFIED, INVESTIGATED AND TESTED. AN ALTERNATIVE FINAL COVER MAY BE PROPOSED.

FINAL COVER
NTS

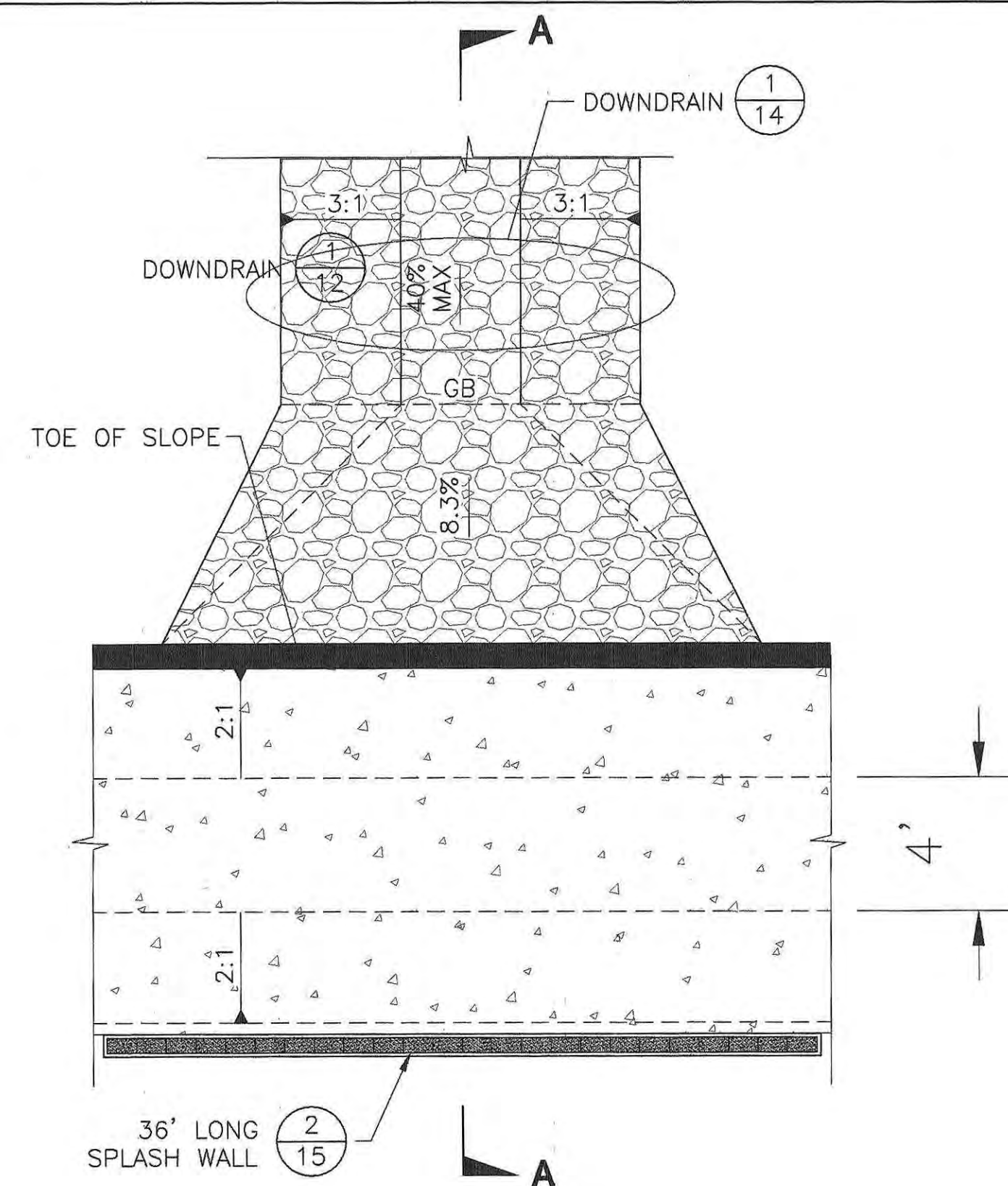
2
14



NOTE:
REMOVE ALL STAKING RODS AFTER GRADE INSPECTION BY ENGINEER AND FINAL/ PASS WITH GRADER FILL HOLE AND PACK WITH SOIL

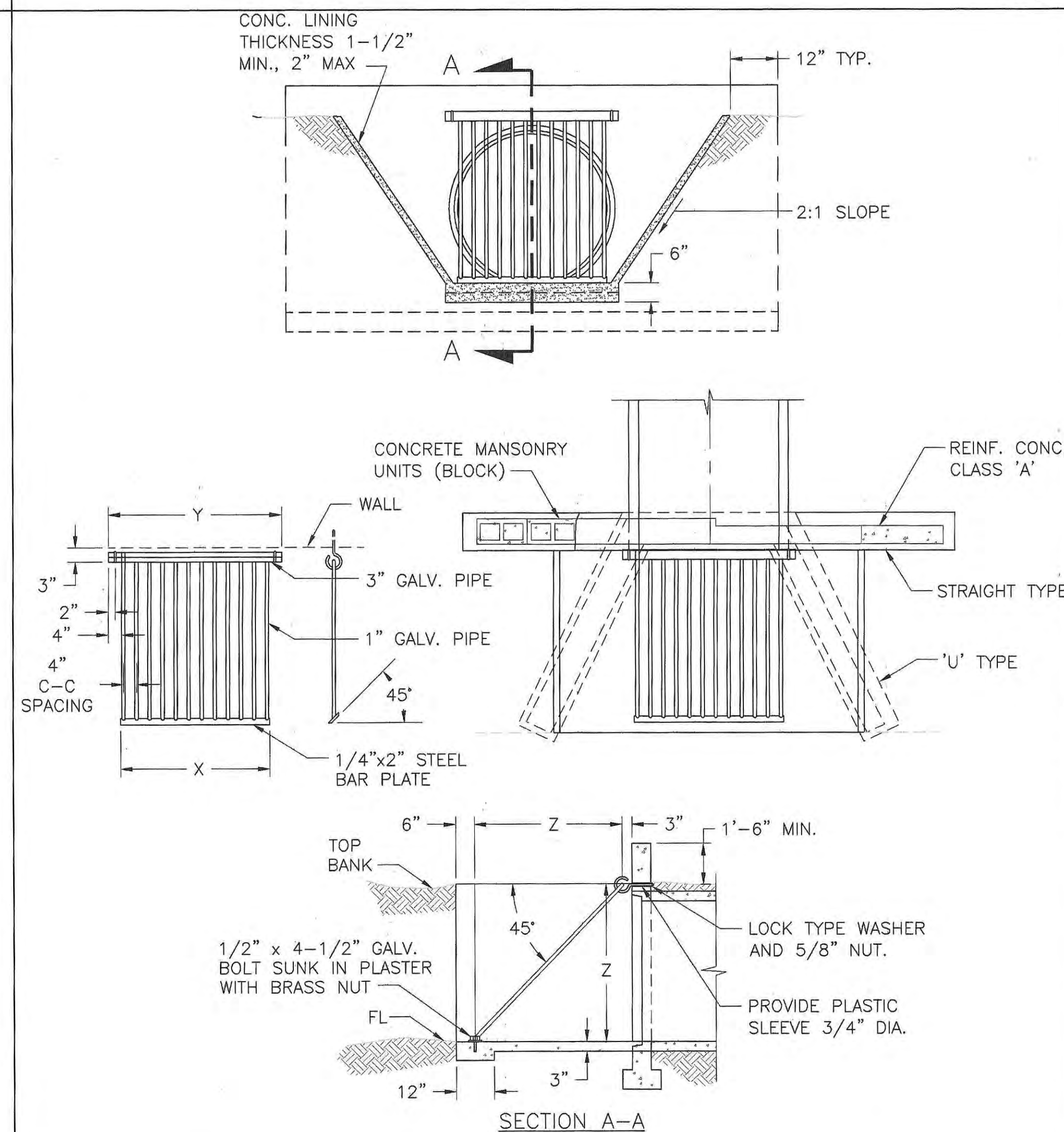
STAKING ROD
NTS

3
14



SECTION A-A
DOWNDRAIN CONNECTION TO PERIMETER DRAINAGE CHANNEL (TYP.)
NTS

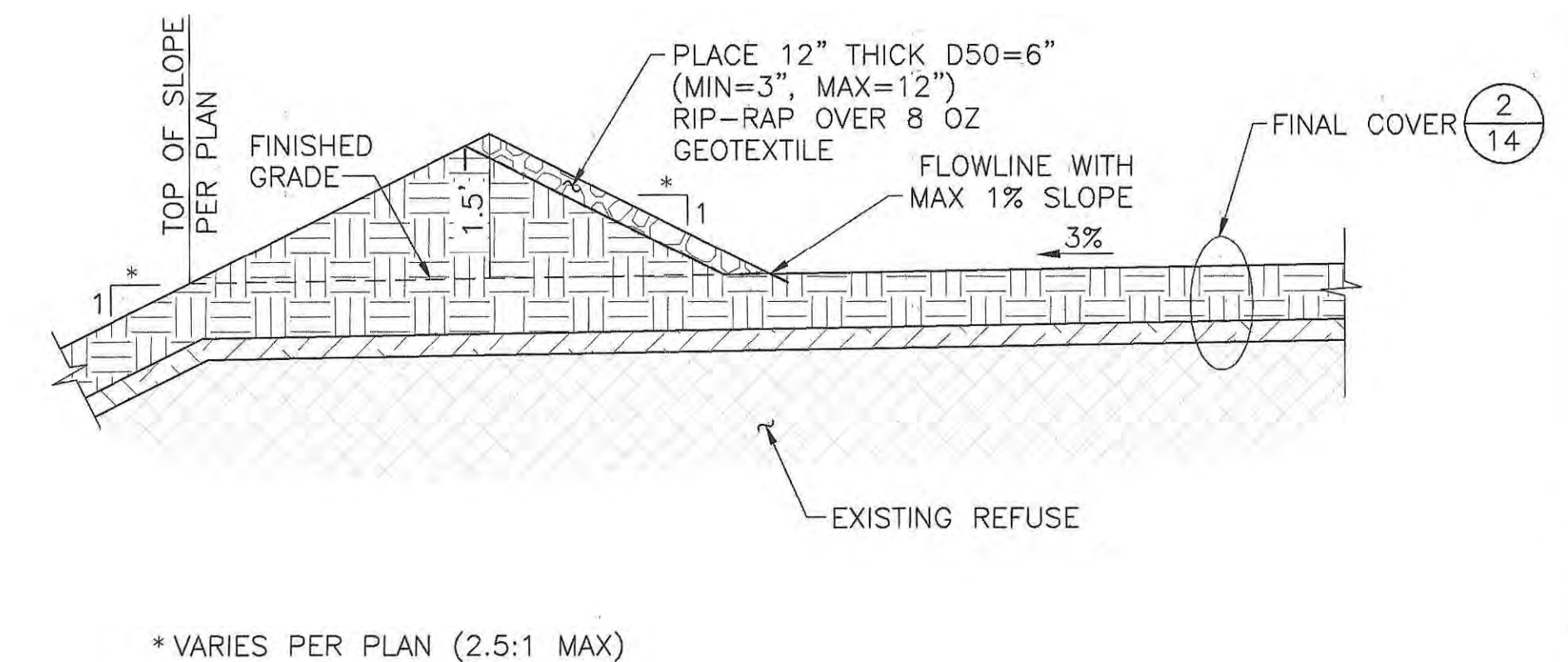
4
14



TYPE BASED ON PIPE SIZE						
TYPE	PIPE SIZE	NO. OF BARS	LENGTH OF BARS	DIMENSIONS		
				X	Y	Z
A	18"	6	3'-7"	1'-9"	2'-5"	2'-5"
B	24"	8	3'-7"	2'-5"	3'-1"	2'-5"
C	30"	10	4'-4 1/4"	3'-1"	3'-9"	2'-11 1/2"
D	36"	10	5'-1 1/2"	3'-1"	3'-9"	3'-6"
E	42"	12	5'-10 5/8"	3'-9"	4'-5"	4'-0 1/2"
F	48"	14	6'-7 3/4"	4'-5"	5'-1"	4'-7"

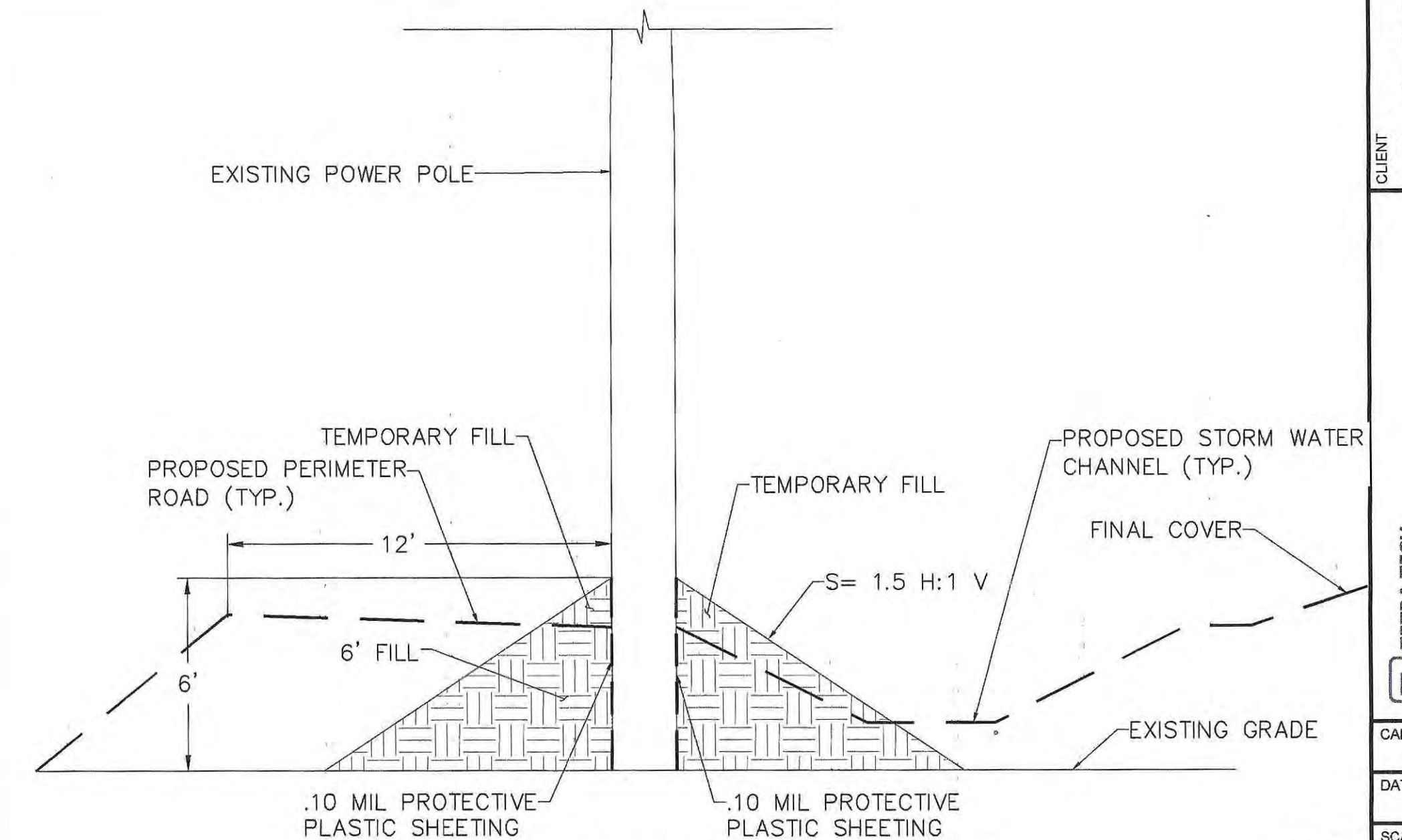
TRASH RACK PER MAG 502-2 (TYP.)
NTS

5
14



TOP DECK BERM
NTS

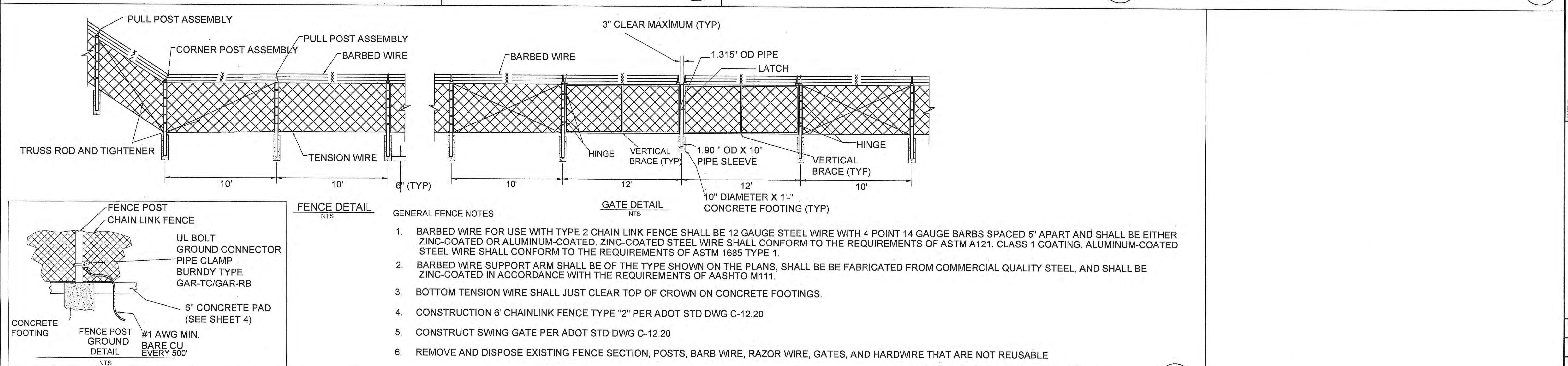
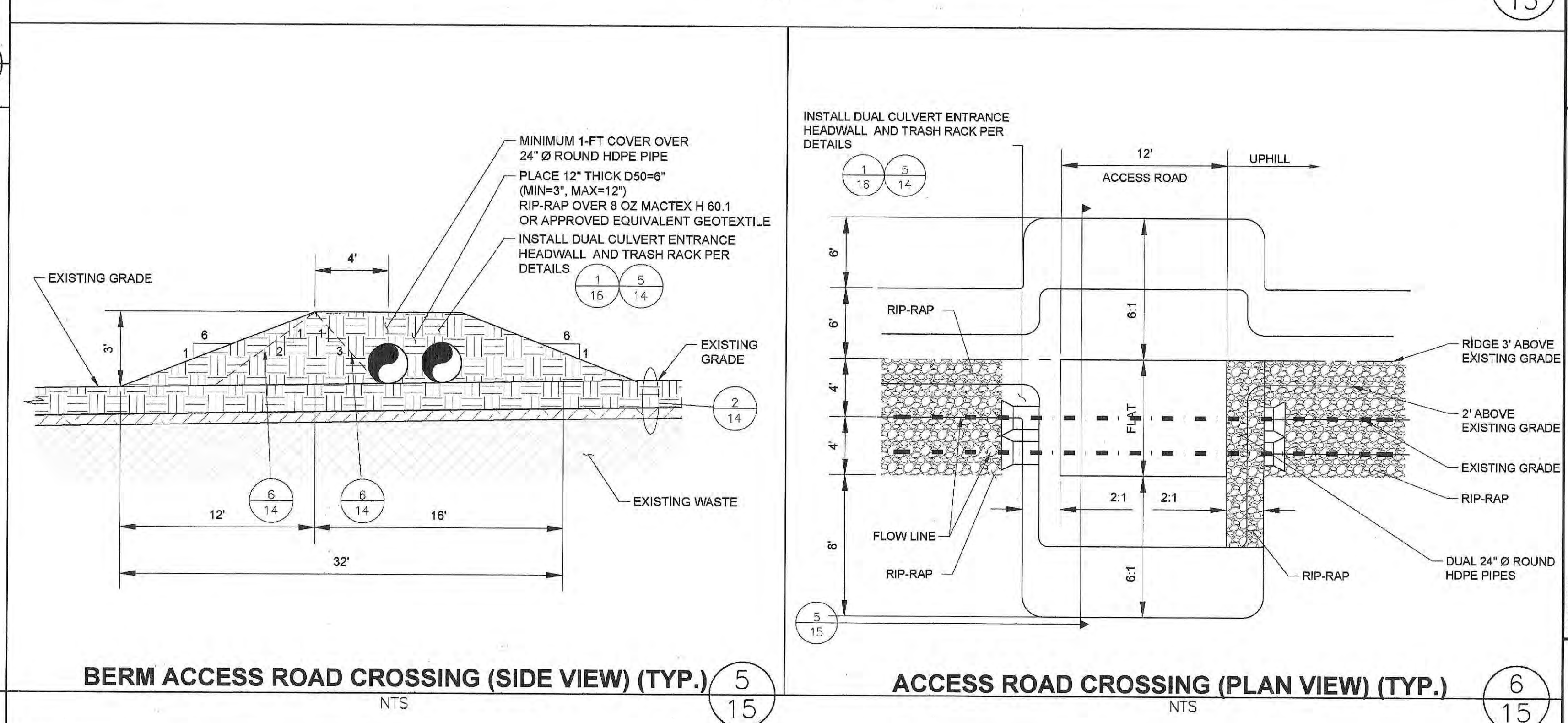
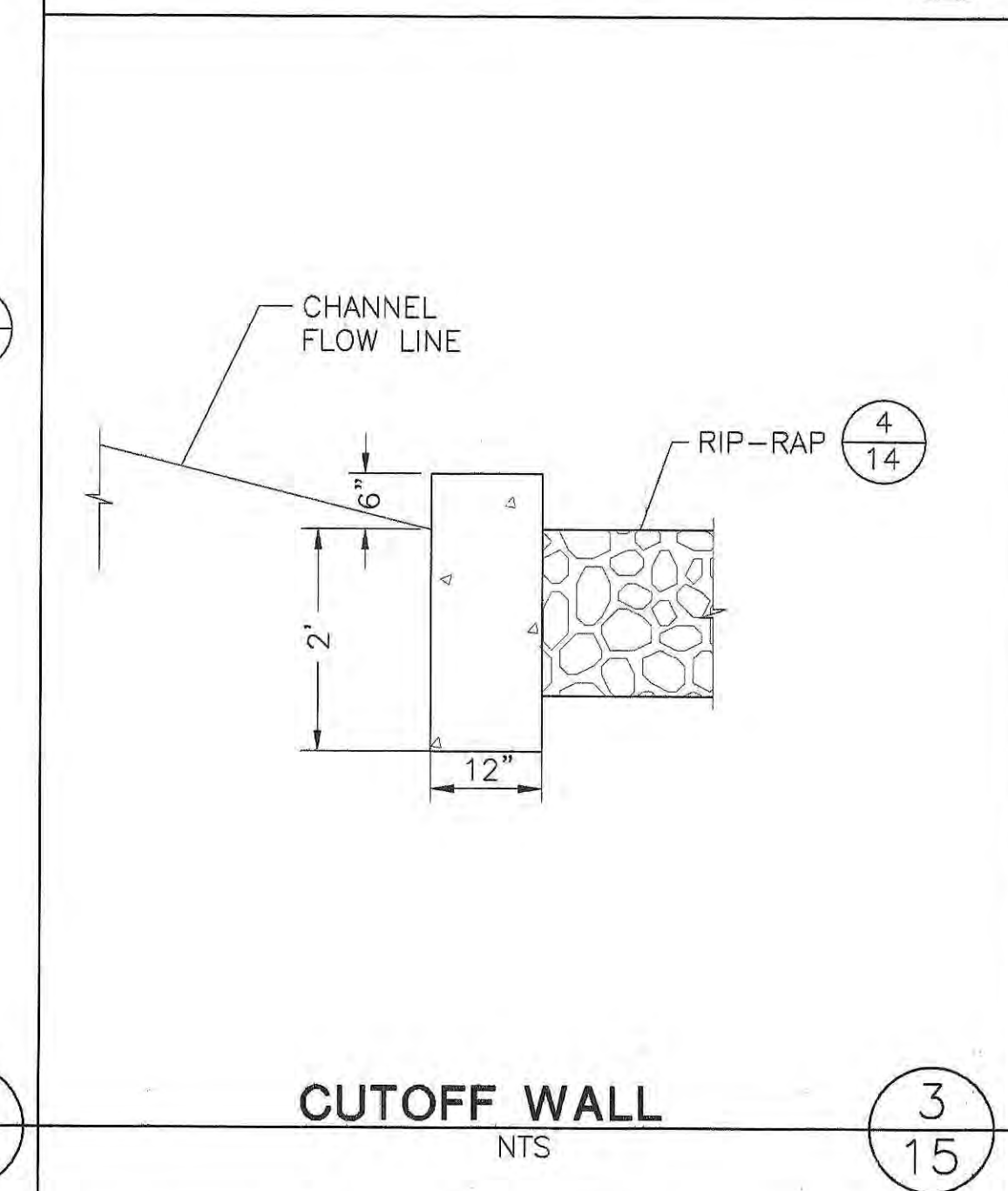
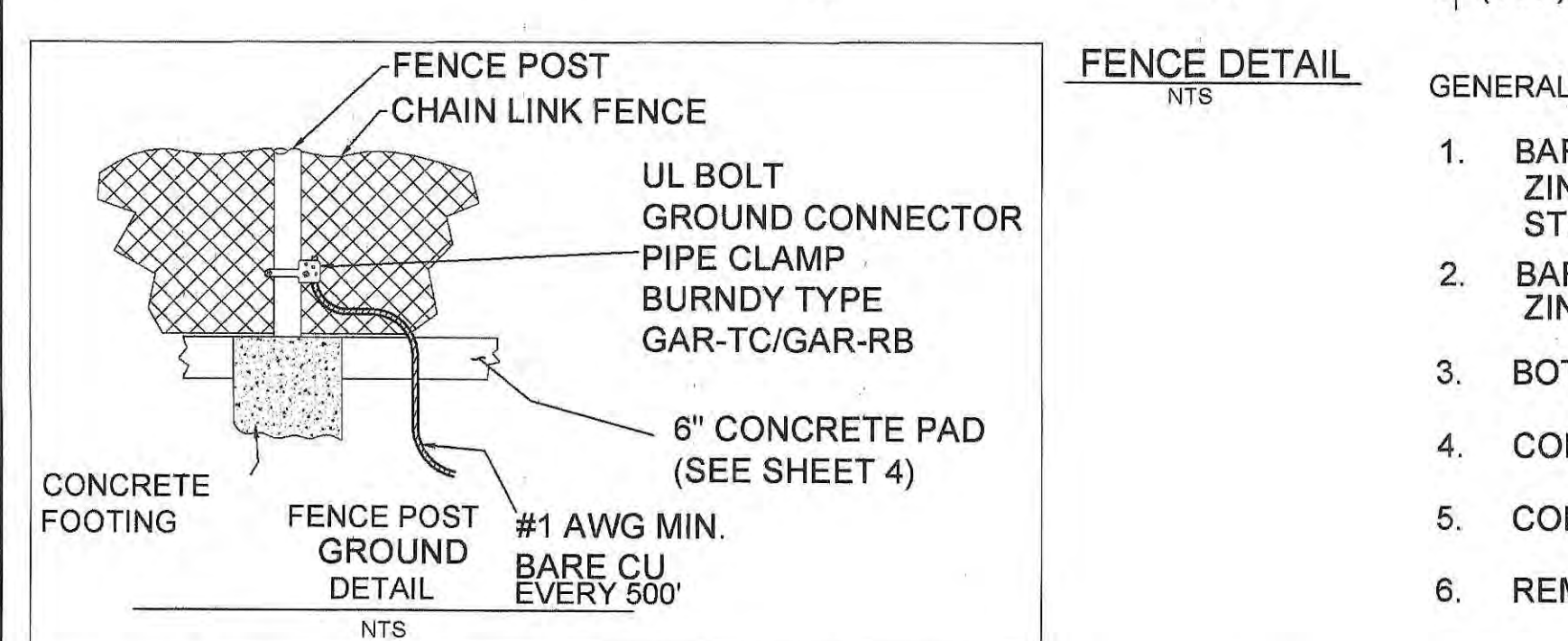
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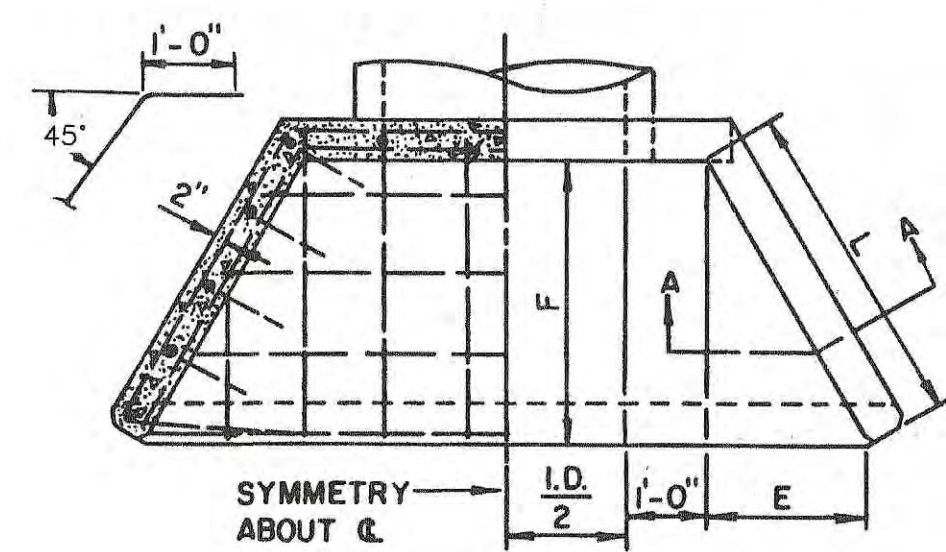


POWER POLE PROTECTION (TYP.)
NTS

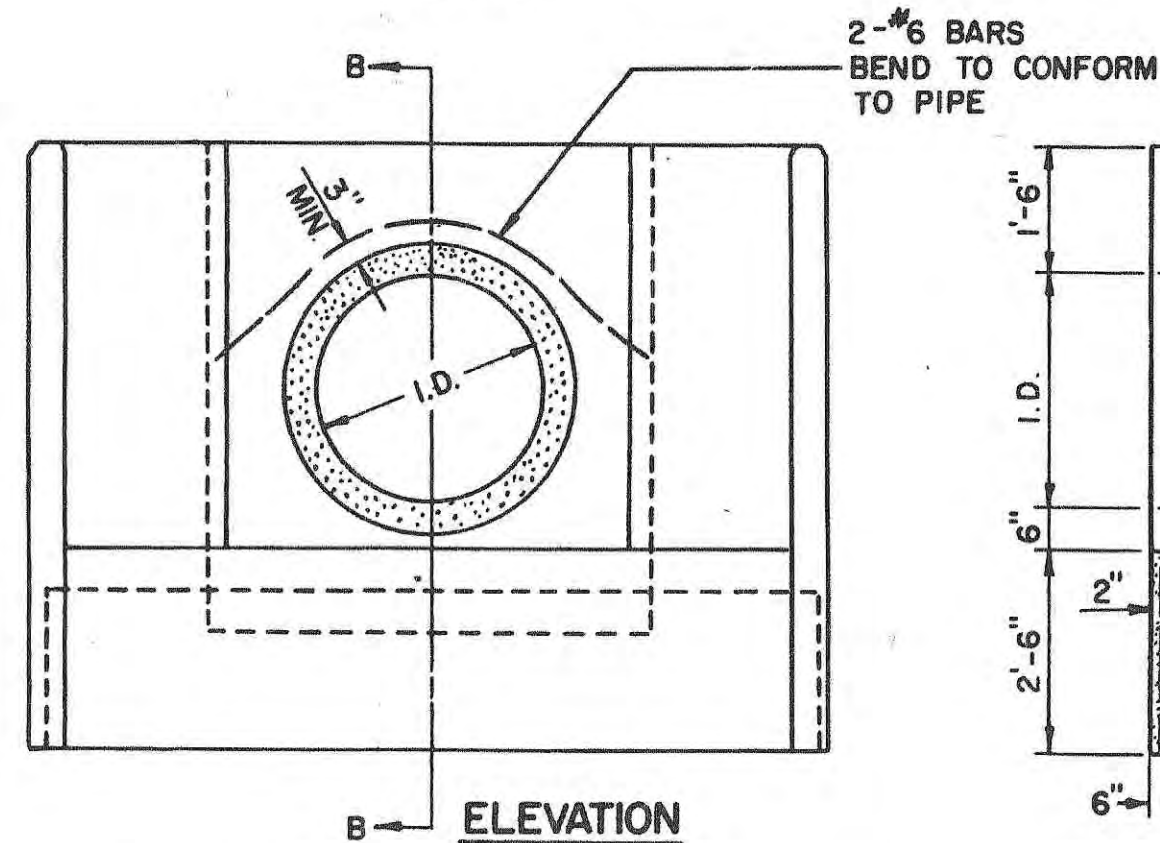
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14

CLIENT	PIMA COUNTY SOLID WASTE MANAGEMENT	PROJECT TITLE	PHASE 1 CLOSURE PLANS (ROUGH GRADING) FOR THE INA ROAD CONSTRUCTION DEBRIS LANDFILL
CLIENT ADDRESS	5301 W. INA ROAD TUCSON, ARIZONA 85743	PHONE	(520) 744-6173 FAX (520) 744-4013
DESIGNER	TETRA TECH	CONSULTING CIVIL & ENVIRONMENTAL ENGINEERS	3822 E. UNIVERSITY DR. SUITE 2 PHOENIX, AZ 85034 (602) 267-0336
DATE	07-2019	SCALE	AS SHOWN
DRAWING NO.	14	OF	16



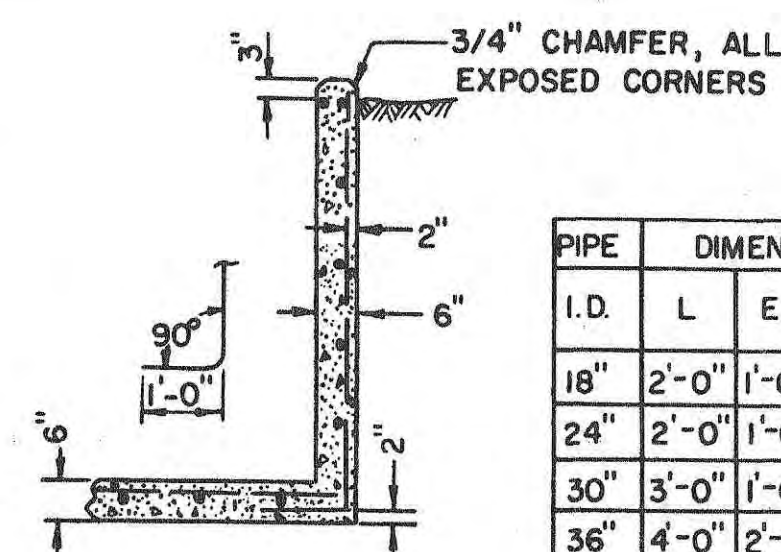


PLAN

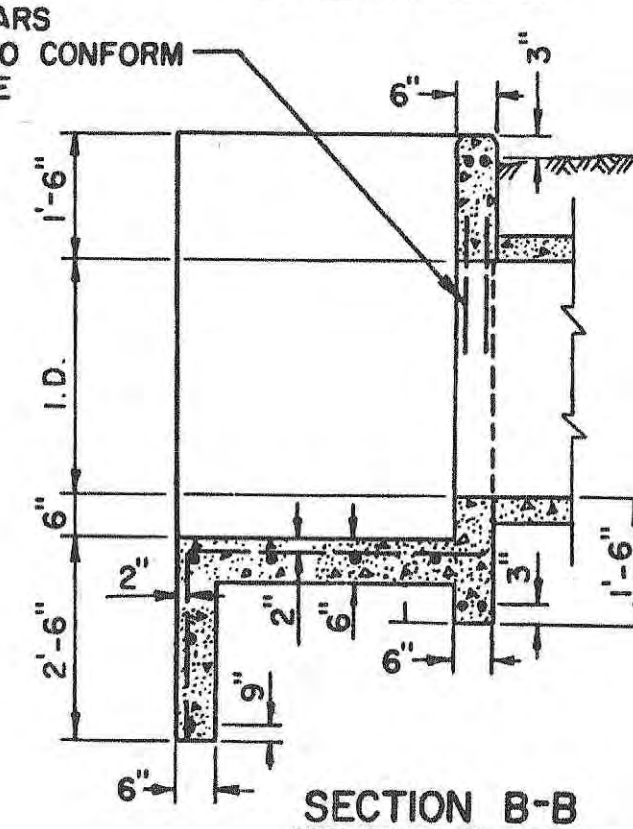


HEADWALL DETAIL PER MAG 501-4 (TYP.)

NTS



SECTION A-A

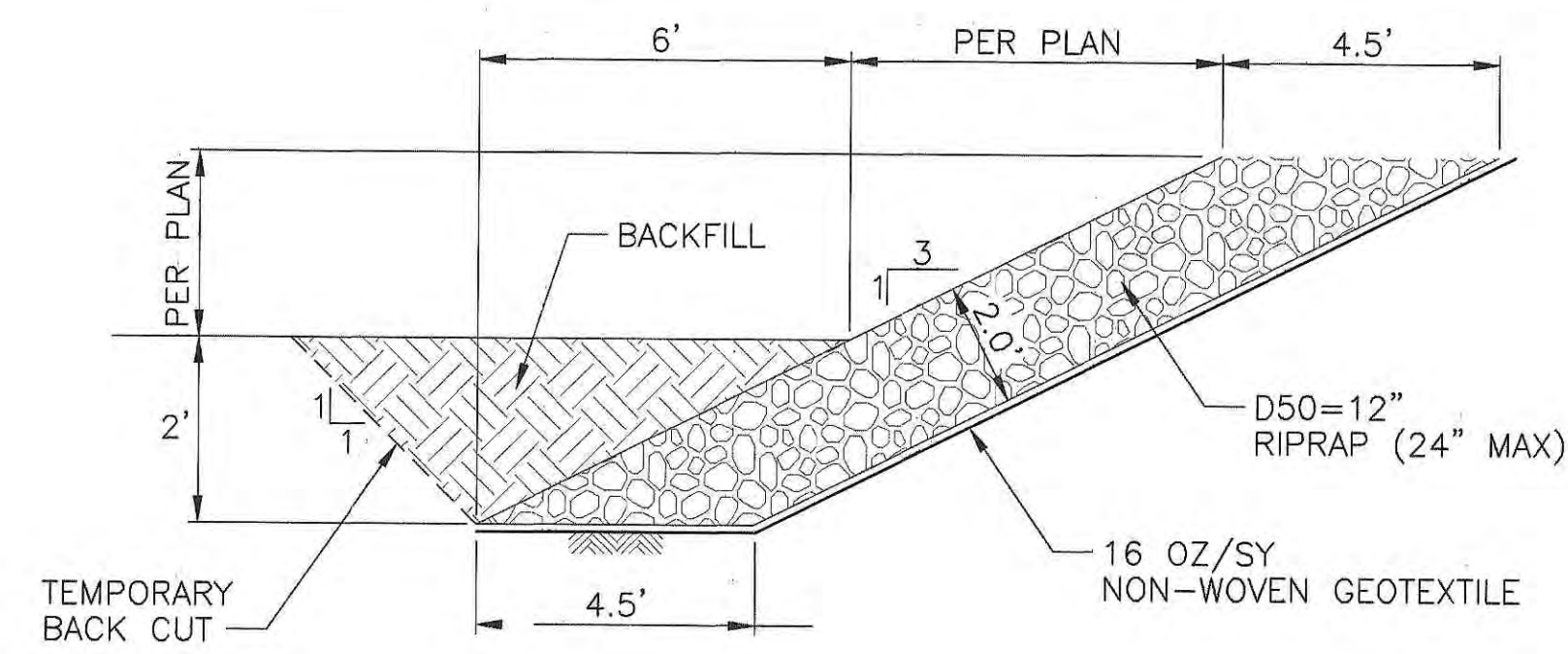


SECTION B-B

PIPE		DIMENSIONS			QUANTITIES		
I.D.	L	E	F (APPRX)	C.Y. CONC.		REINF. STL. LBS	
				C.M.P.	R.C.P.		
18"	2'-0"	1'-0"	1'-9"	0.97	0.96	65	
24"	2'-0"	1'-0"	1'-9"	1.11	1.07	78	
30"	3'-0"	1'-6"	2'-7"	1.50	1.44	108	
36"	4'-0"	2'-0"	3'-6"	2.08	2.01	150	
42"	5'-0"	2'-6"	4'-4"	2.71	2.63	205	
48"	6'-0"	3'-0"	5'-2"	3.39	3.30	270	
54"	7'-0"	3'-6"	6'-1"	4.14	4.02	335	
60"	8'-0"	4'-0"	6'-11"	4.96	4.80	410	

NOTES

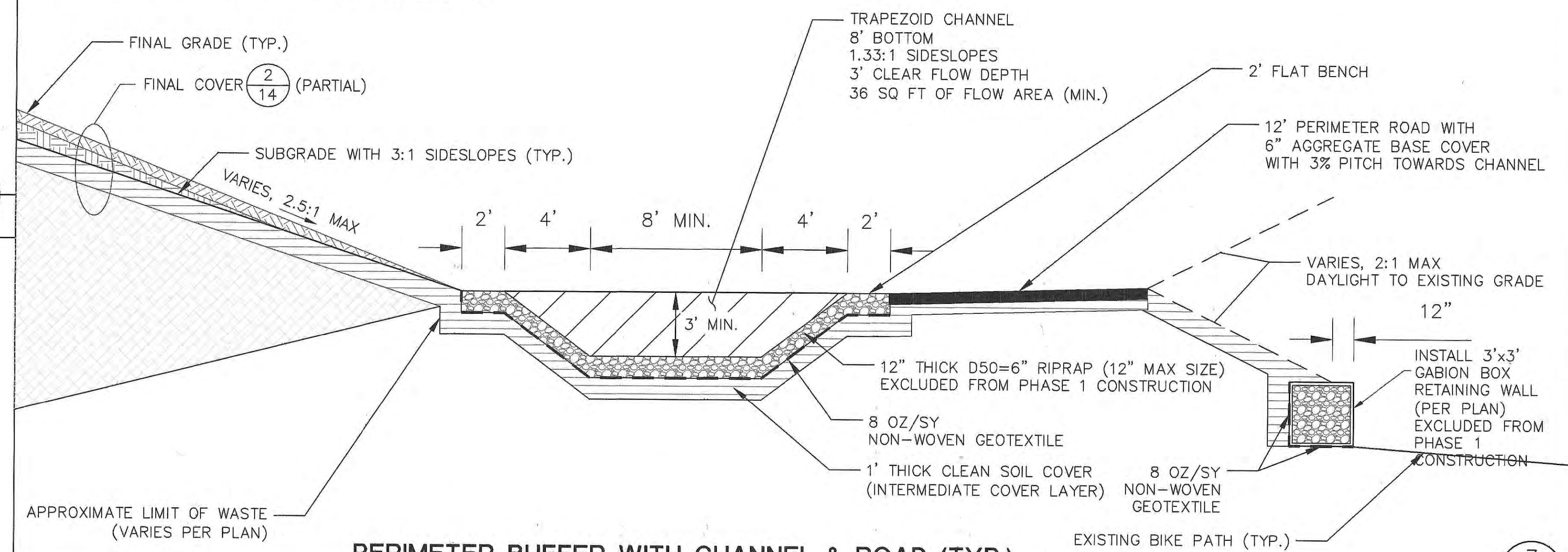
1. ALL CONCRETE SHALL BE CLASS A. PER SECT. 722
2. ALL REINFORCING BARS SHALL BE #4 EXCEPT #6 BARS OVER PIPE. BAR SPACING APPROXIMATELY 1'-0" C TO C UNLESS OTHERWISE NOTED.



RIP-RAP SLOPE PROTECTION DETAIL AT BASIN B

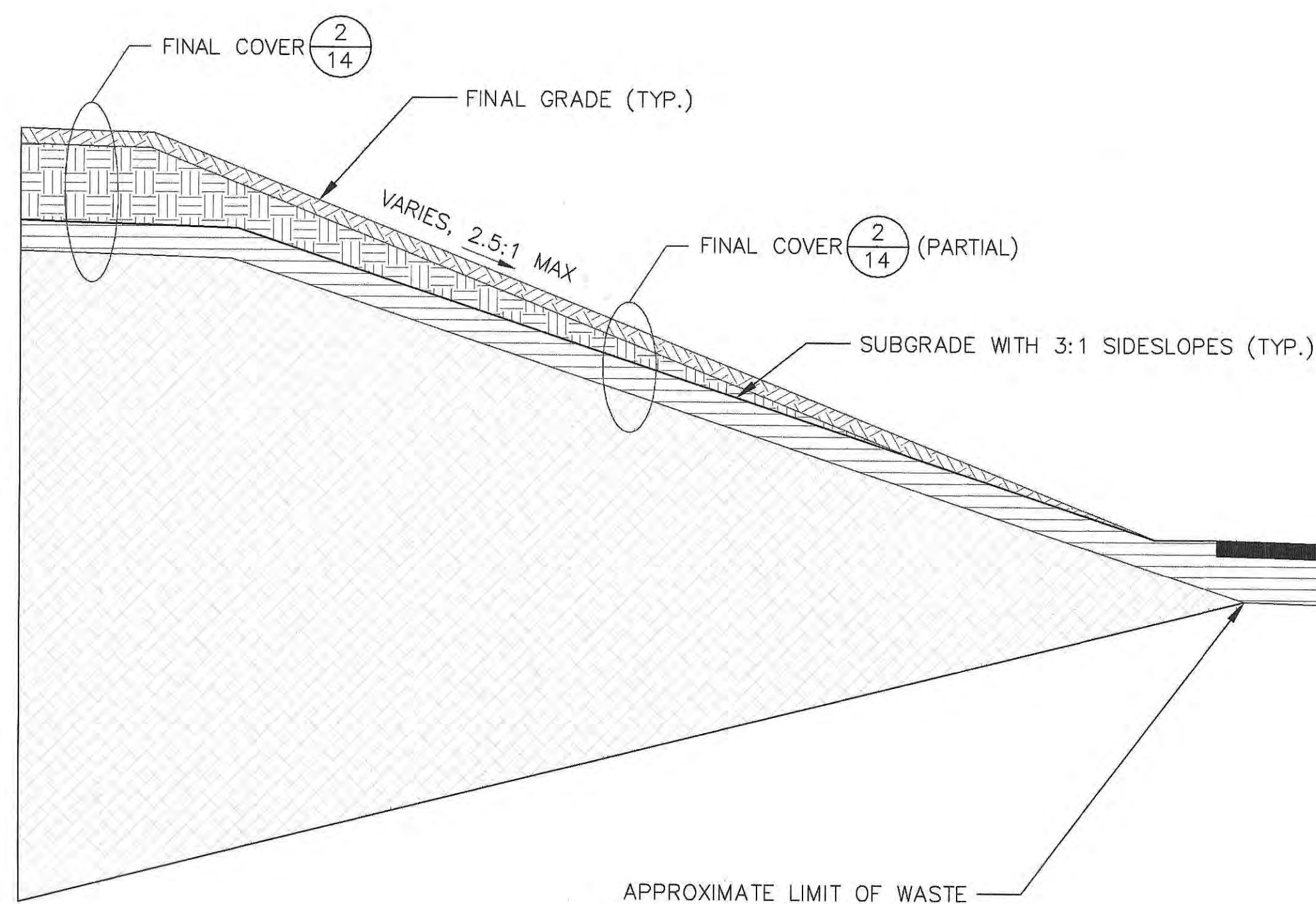
NTS

NOTE: RIP-RAP EXCLUDED IN PHASE 1 CONSTRUCTION

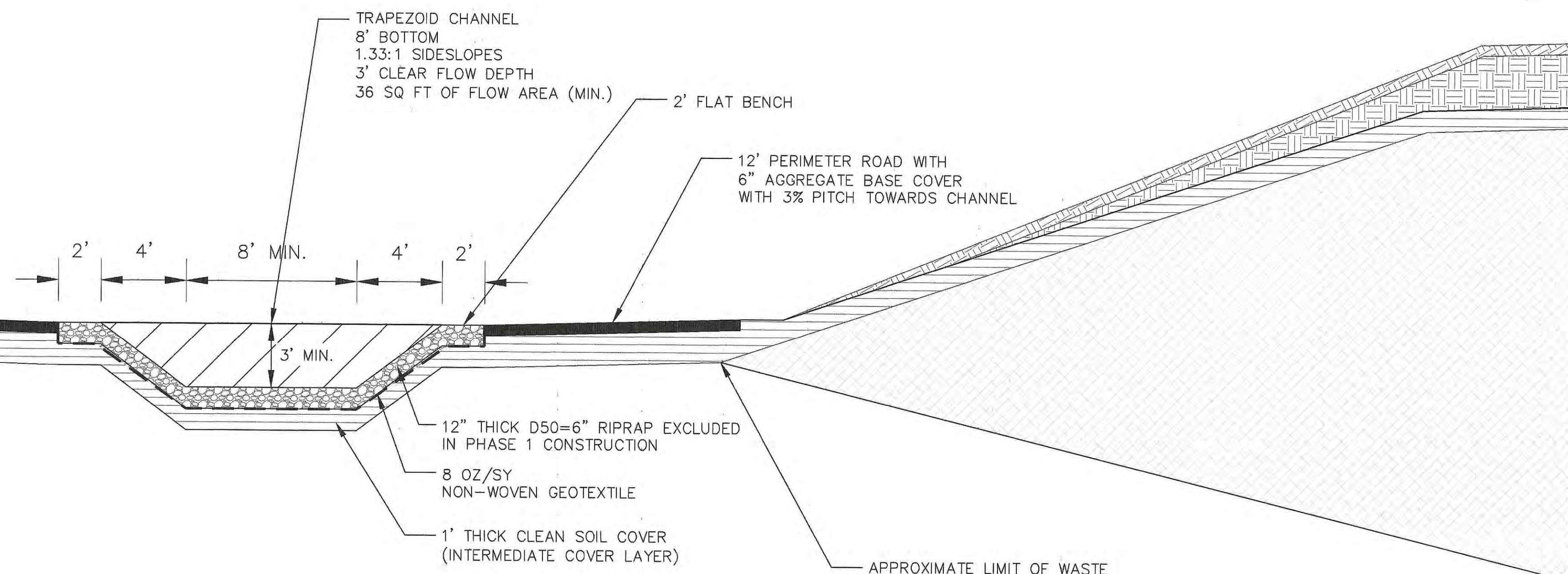


PERIMETER BUFFER WITH CHANNEL & ROAD (TYP.)

NTS



CENTER CHANNEL (TYP.)



CENTER CHANNEL (TYP.)

**CALL FOR IMMEDIATE ACTION
BEFORE YOU DIE**

1-800-STAKE-IT

REV.	DATE	DESCRIPTION	BY
△			
△			
△			
△			

PROJECT TITLE
PHASE 1 CLOSURE PLANS (ROUGH GRADING)
 FOR THE
INA ROAD CONSTRUCTION DEBRIS LANDFILL

**PIMA COUNTY SOLID
WASTE MANAGEMENT**

5301 W. INA ROAD
TUCSON, ARIZONA 85743
PHONE (520)744-6173 FAX (520)744-4013

TETRA TECH
CONSULTING CIVIL & ENVIRONMENTAL ENGINEERS
3622 E. UNIVERSITY DR, SUITE 2
PHOENIX, AZ 85034 (602) 267-0336
PROJ. NO. 197-2018-0078 OWN BY T.L. & G.S. QIA RWAYB G.B.
DSN BY K.J., T.L. & G.S. CHK BY K.J. APP BY D.E.

DATE: 07-2019

SCALE: AS SHOWN

DRAWING NO. 16 of 16