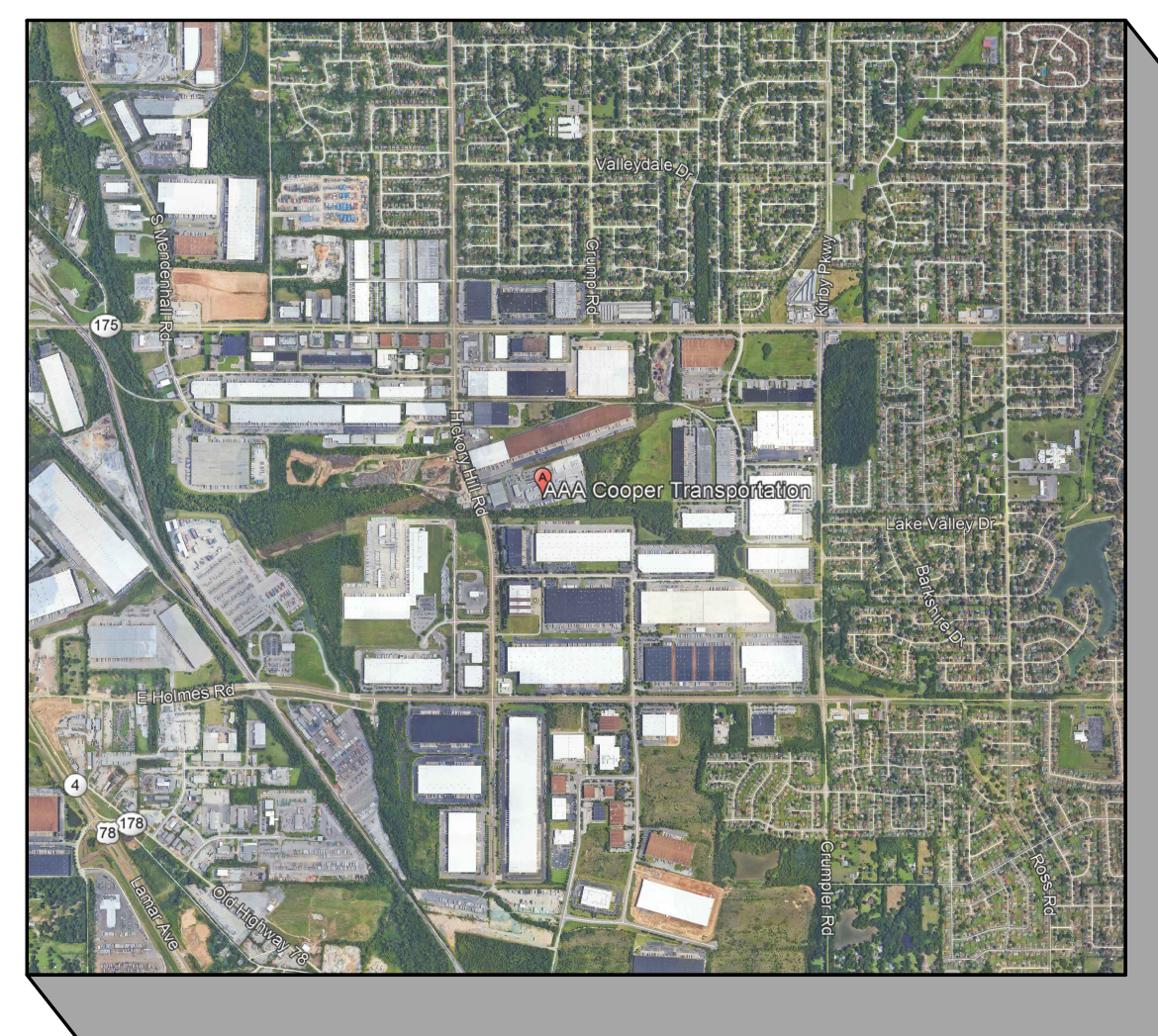


# AAA COOPER BANK STABILIZATION

## MEMPHIS, TENNESSEE FOR

### AAA COOPER TRANSPORTATION

#### 4920 HICKORY HILL ROAD MEMPHIS, TN 38141



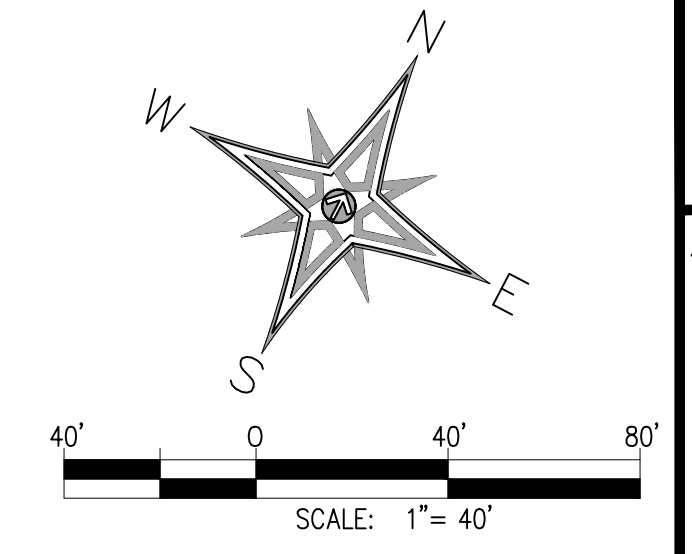
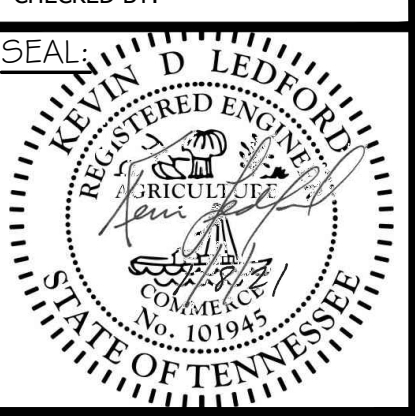
VICINITY MAP  
N.T.S.

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#### INDEX TO DRAWINGS

CV	COVER SHEET
C-1	EXISTING CONDITIONS
C-2	GRADING AND DRAINAGE PLAN
C-3	DRAINAGE PLAN & PROFILE
C-4	STREAM PROFILES
C-5	STREAM PROFILES
C-6	STREAM PROFILES
C-7	SITE DETAILS

January 8, 2021



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**EXISTING CONDITIONS PLAN**  
**AAA COOPER BANK STABILIZATION**  
**MEMPHIS, TENNESSEE**  
**SHELBY COUNTY, TENNESSEE**

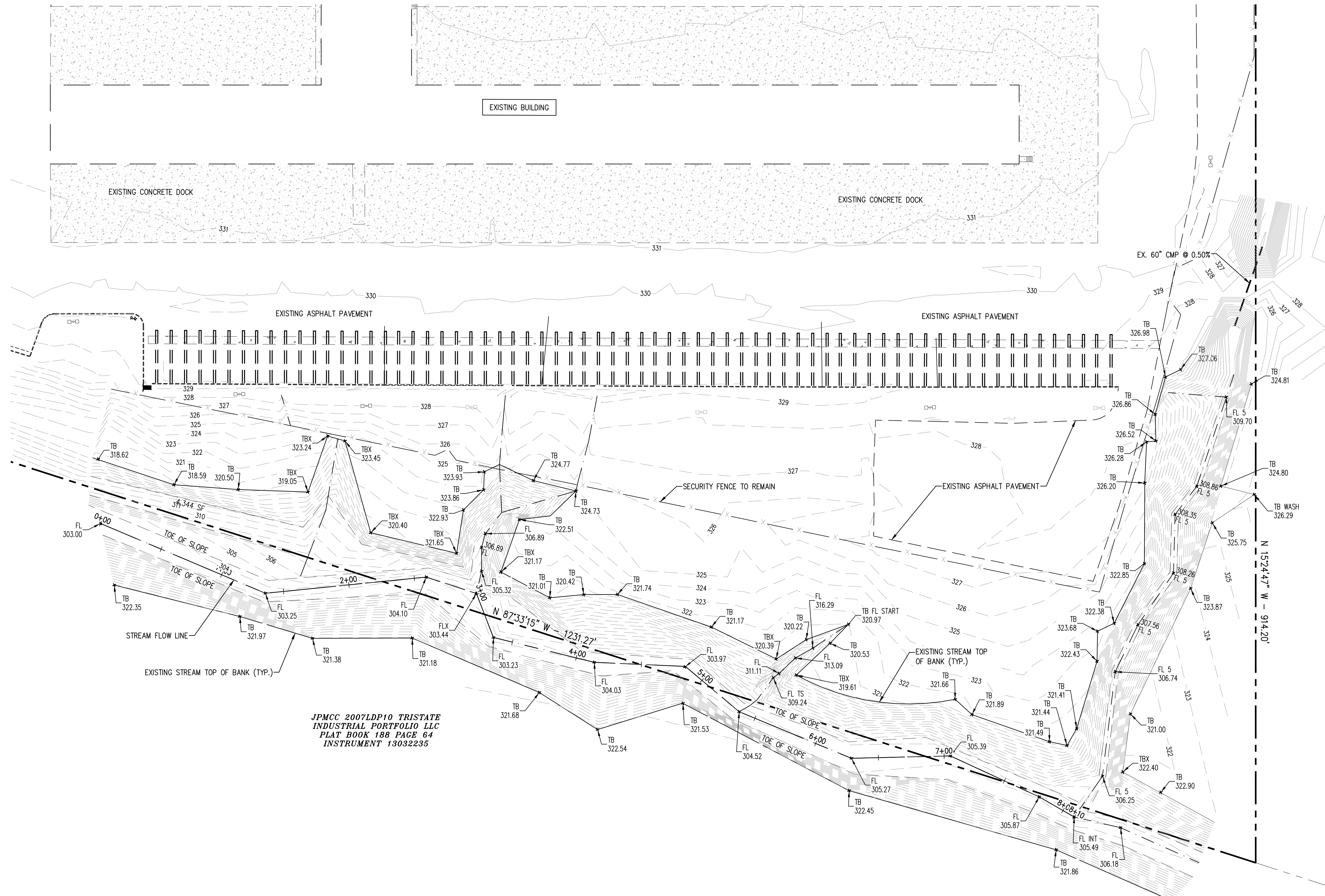
SHEET NUMBER:

**C-1**

PROJECT:  
 LEPA: 1290-04

**LEGEND**

	PROPERTY LINE
	EXISTING CONTOURS
	EXISTING CURB
	EXISTING EDGE OF PAVEMENT
	EXISTING CONCRETE
	STREAM TOP OF BANK
	EXISTING SECURITY FENCE



JPMCC 2007LDP10 TRISTATE  
 INDUSTRIAL PORTFOLIO LLC  
 PLAT BOOK 188 PAGE 64  
 INSTRUMENT 13032235

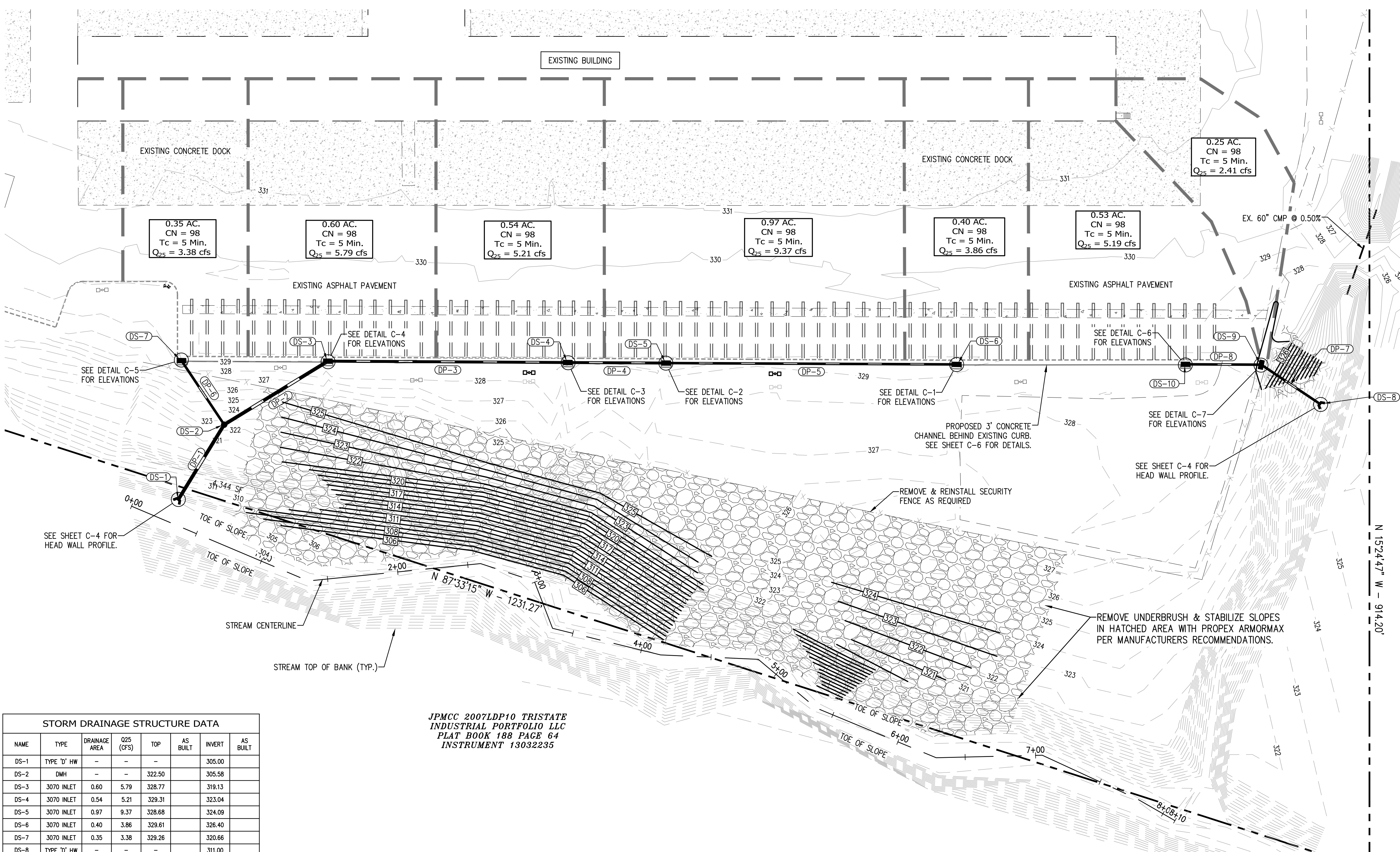
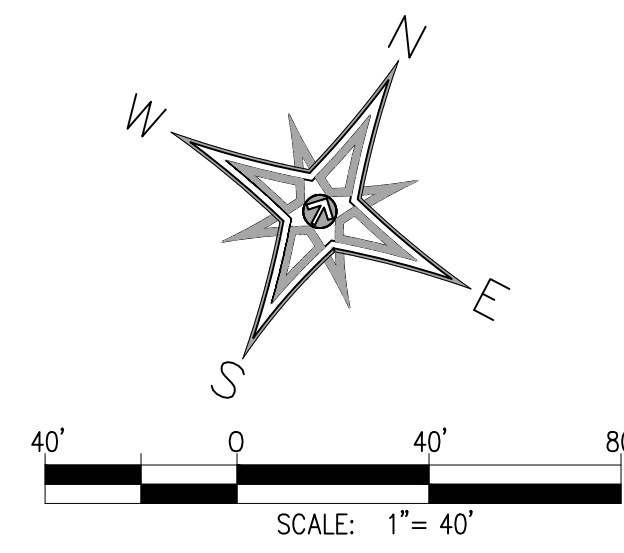
ITEM NO.	REVISION	
	DESCRIPTION OF CHANGE	APPROVAL DATE



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**GRADING & DRAINAGE PLAN**  
**AAA COOPER BANK STABILIZATION**  
**MEMPHIS, TENNESSEE**  
**SHELBY COUNTY, TENNESSEE**

SHEET NUMBER:  
**C-2**  
 PROJECT:  
**LEPA: 1290-04**



**LEGEND**

- PROPERTY LINE
- - - - EXISTING CONTOURS
- 100 — PROPOSED CONTOURS
- ===== EXISTING CURB
- - - - EXISTING EDGE OF PAVEMENT
- EXISTING CONCRETE
- STREAM TOP OF BANK
- STREAM BUFFER
- x - x - EXISTING SECURITY FENCE
- PROPOSED DRAINAGE

- CONSTRUCTION NOTES:**
1. REMOVE UNDERBRUSH IN IT'S ENTIRTY DOWN TO EXISTING SLOPE.
  2. INSTALL ARMORMAX AROUND MATURE TREES WHICH SHALL BE IDENTIFIED BY PROJECT ENGINEER DURING CLEARING OPERATIONS.
  3. ANCHOR ARMORMAX TO ALL CONCRETE APPURTENANCES WITHIN STABILIZATION AREA.
  4. SEE DISTURBED AREAS WITH CROWN VETCH. VARIETY AND APPLICATION RATE RECOMMENDED BY SUPPLIER SHALL BE FOR THE APPROPRIATE CLIMATIC REGION.
  5. SEED WITH HYDROSEEDING MEASURES AS FOLLOES: SEED 60% OF APPLICATION RATE ON PREPARED SLOPES PRIOR TO INSTALLATION OF ARMORMAX AND THE REMAINING 40% AFTER INSTALLATION. MIX RYE GRASS AS RECOMMENDED BY SUPPLIER FOR INITIAL COVER.

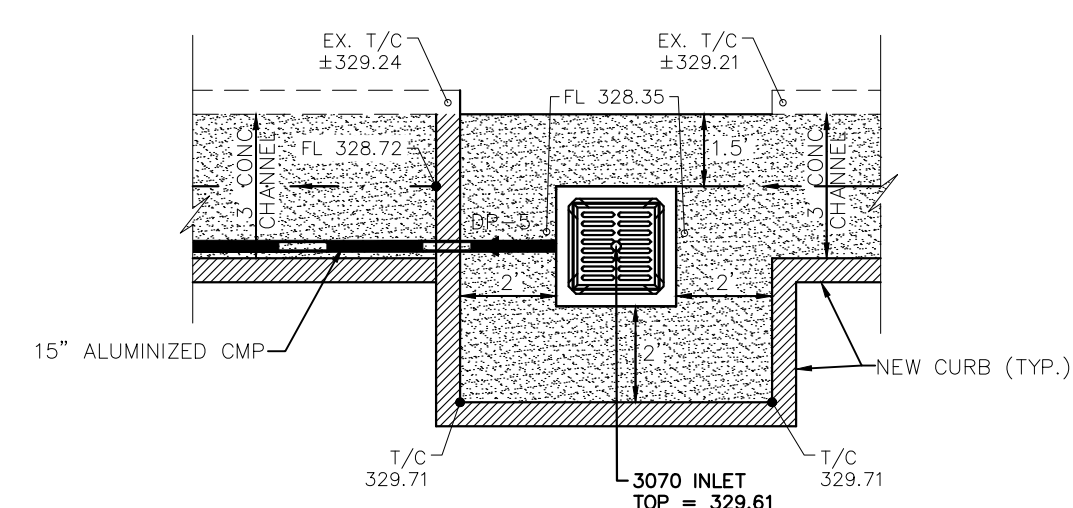
**STORM DRAINAGE STRUCTURE DATA**

NAME	TYPE	DRAINAGE AREA	Q25 (CFS)	TOP	AS BUILT	INVERT	AS BUILT
DS-1	TYPE 'D' HW	-	-	-	-	305.00	-
DS-2	DMH	-	-	322.50	-	305.58	-
DS-3	3070 INLET	0.60	5.79	328.77	-	319.13	-
DS-4	3070 INLET	0.54	5.21	329.31	-	323.04	-
DS-5	3070 INLET	0.97	9.37	328.68	-	324.09	-
DS-6	3070 INLET	0.40	3.86	329.61	-	326.40	-
DS-7	3070 INLET	0.35	3.38	329.26	-	320.66	-
DS-8	TYPE 'D' HW	-	-	-	-	311.00	-
DS-9	3070 INLET	0.25	2.41	326.90	-	311.50	-
DS-10	3070 INLET	0.53	5.19	329.40	-	325.04	-

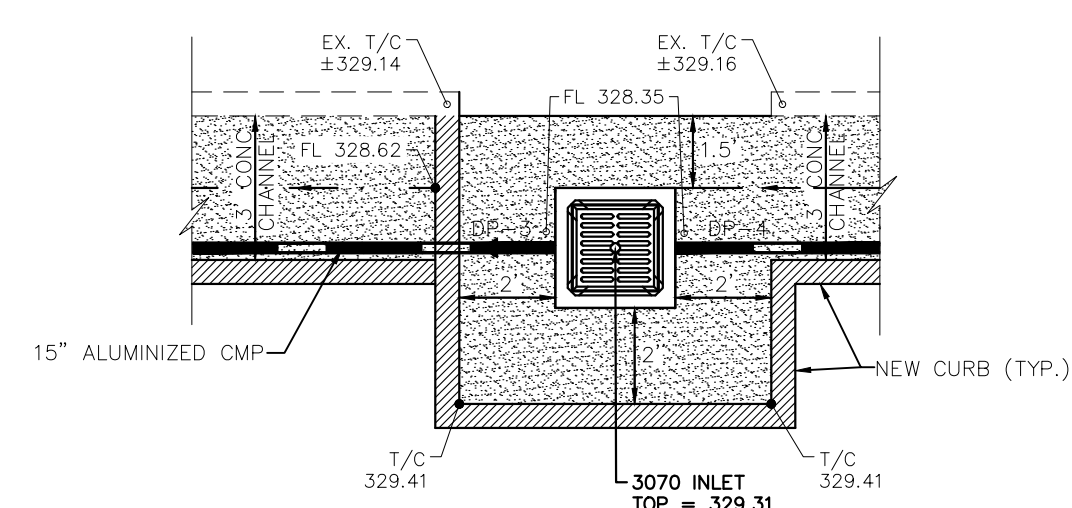
**STORM DRAINAGE PIPE DATA**

PIPE NAME	FROM	INVERT (IP)	AS BUILT	TO	INVERT (DOWN)	AS BUILT	SLOPE (%)	AS BUILT	SIZE	LENGTH	MATERIAL	DA (ACR)	Q25 (CFS)	QCAP (CFS)	VEL (FPS)
DP-1	DS-2	306.25	-	DS-1	305.00	-	2.00%	-	24"	58'	CMP	0.81	27.61	29.40	9.36
DP-2	DS-3	319.13	-	DS-2	318.27	-	2.00%	-	24"	86'	CMP	2.51	24.23	29.40	9.36
DP-3	DS-4	323.04	-	DS-3	319.63	-	2.00%	-	18"	170'	CMP	1.91	18.44	19.31	10.92
DP-4	DS-5	324.09	-	DS-4	323.04	-	1.50%	-	18"	70'	CMP	1.37	13.23	16.72	9.46
DP-5	DS-6	326.40	-	DS-5	324.34	-	1.00%	-	15"	206'	CMP	0.40	3.86	8.39	6.84
DP-6	DS-7	320.66	-	DS-2	319.02	-	3.00%	-	15"	50'	CMP	0.35	3.38	14.54	11.85
DP-7	DS-9	311.50	-	DS-8	311.00	-	1.00%	-	15"	50'	CMP	0.78	7.60	8.39	6.84
DP-8	DS-10	325.04	-	DS-9	324.50	-	1.00%	-	15"	54'	CMP	0.53	5.19	8.39	6.84

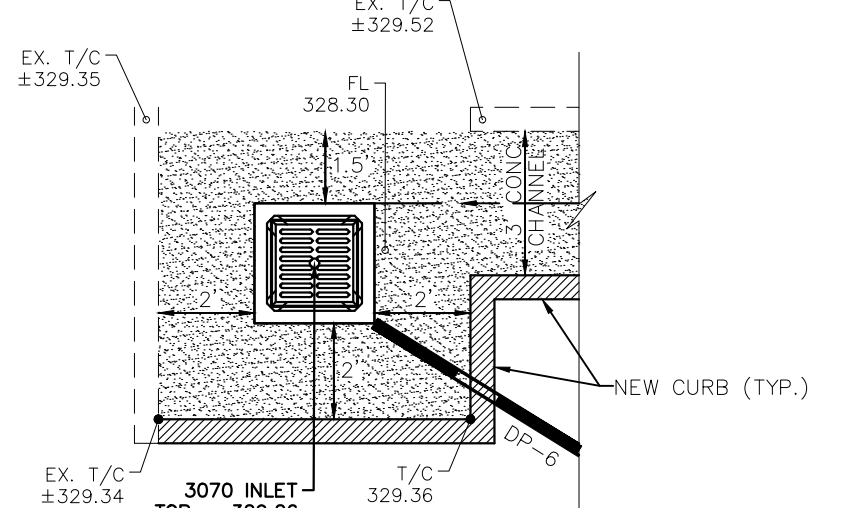
JPMCC 2007LDP10 TRISTATE INDUSTRIAL PORTFOLIO LLC PLAT BOOK 188 PAGE 64 INSTRUMENT 13032235



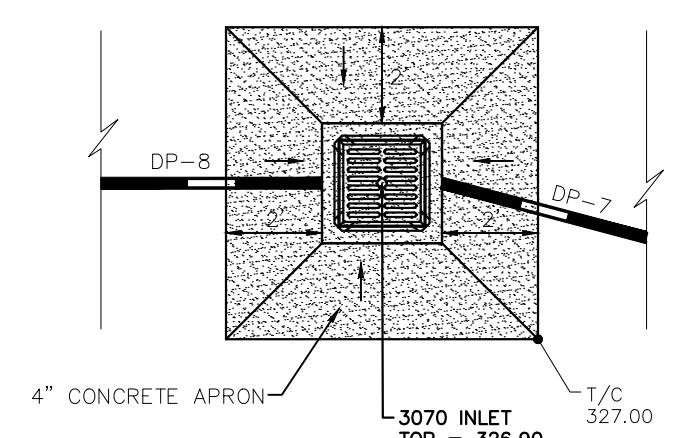
DETAIL 'C-1'  
 N.T.S.  
 STRUCTURE (DS-6)



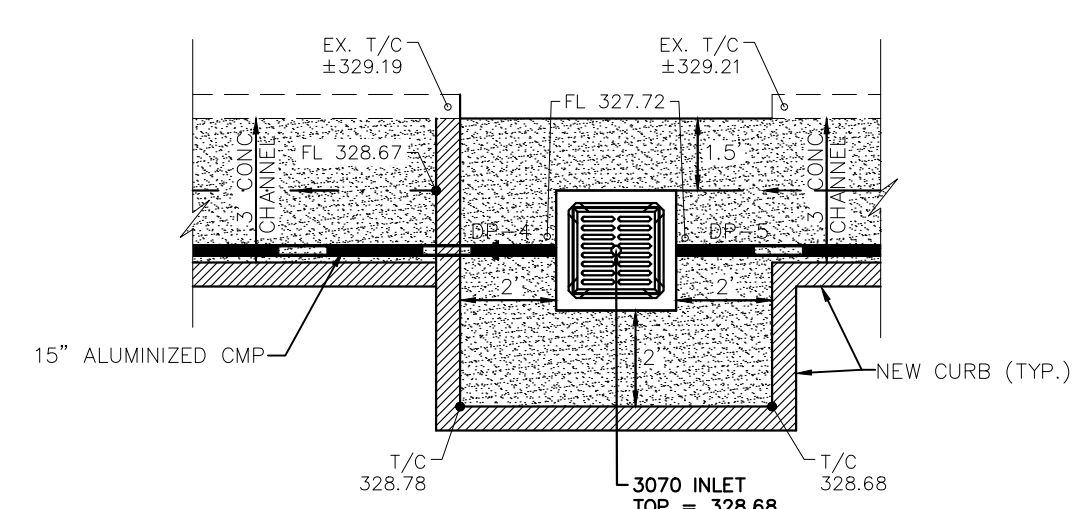
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 STRUCTURE (DS-4)



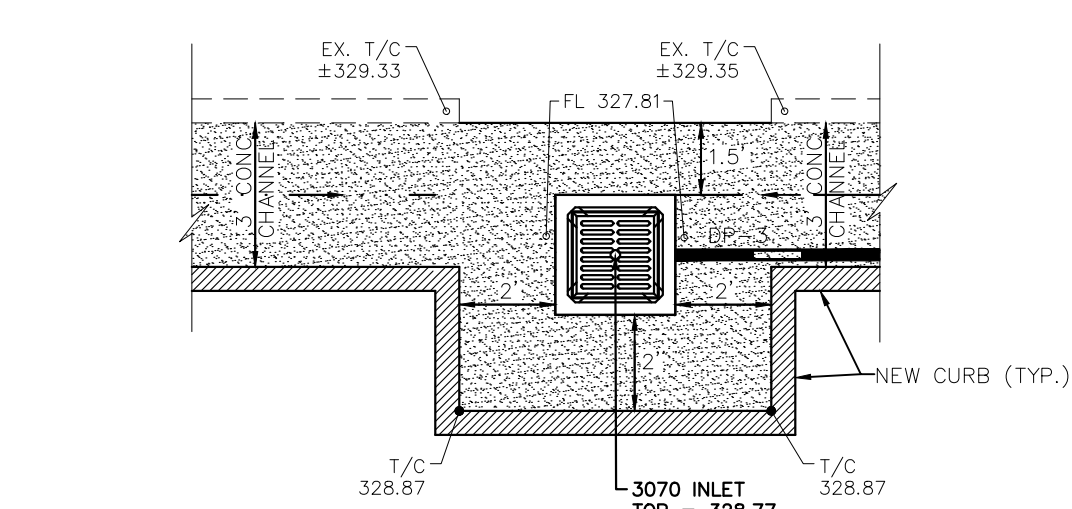
DETAIL 'C-5'  
 N.T.S.  
 STRUCTURE (DS-9)



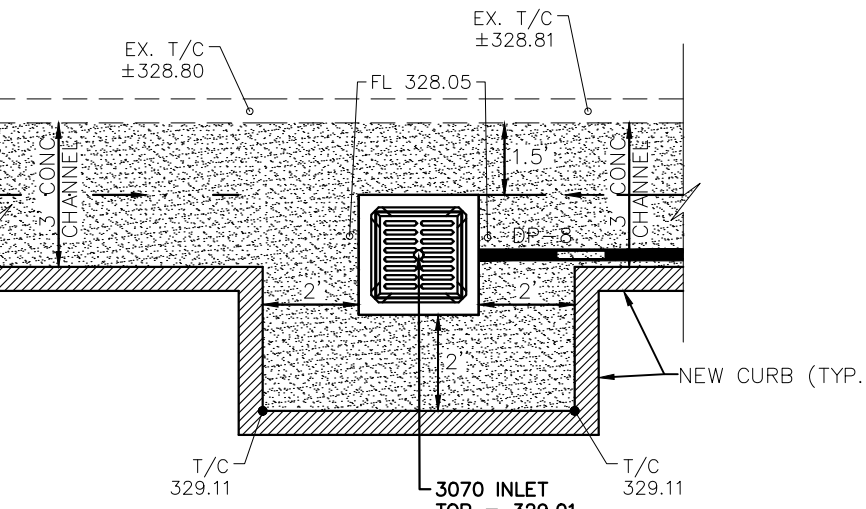
DETAIL 'C-7'  
 N.T.S.  
 STRUCTURE (DS-9)



DETAIL 'C-2'  
 N.T.S.  
 STRUCTURE (DS-5)



DETAIL 'C-4'  
 N.T.S.  
 STRUCTURE (DS-3)



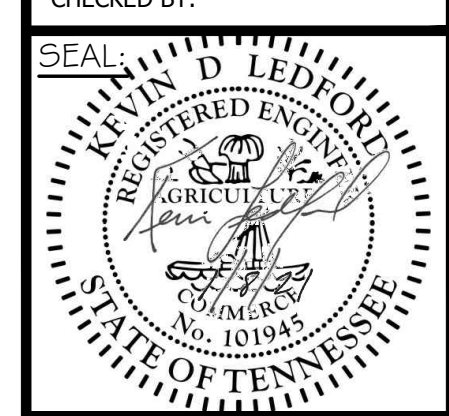
DETAIL 'C-6'  
 N.T.S.  
 STRUCTURE (DS-10)

**REVISION**

ITEM NO.	DESCRIPTION OF CHANGE	APPROVAL DATE

Z:\1290\04\CONSTRUCTION DRAWINGS\C-2 GRADING & DRAINAGE.dwg

DATE: 1/8/20  
 DRAWN BY: K. HAM  
 DESIGNER: KDL  
 CHECKED BY: KDL

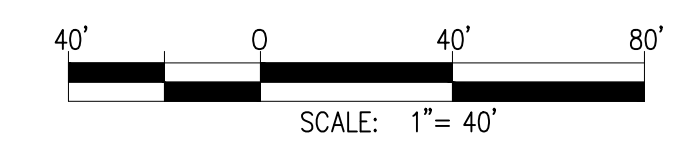
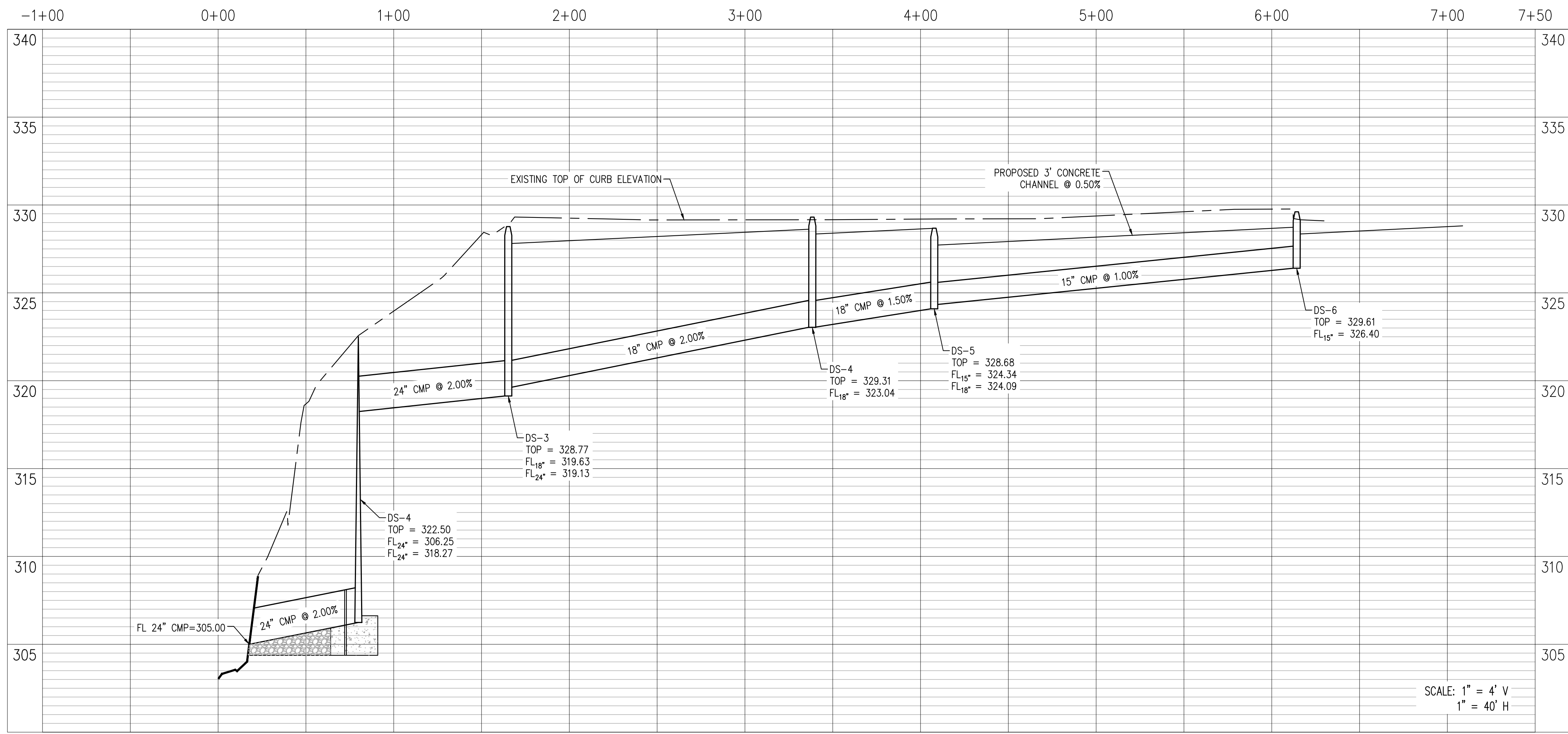
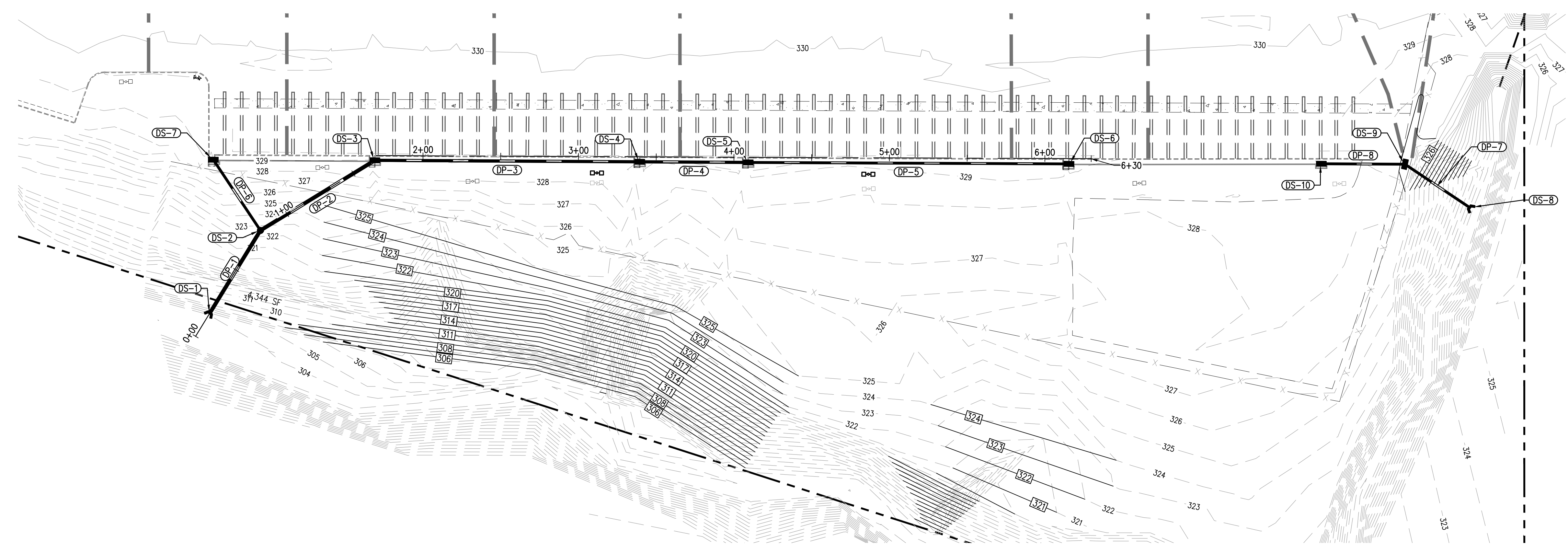


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**DRAINAGE PLAN & PROFILE**  
**AAA COOPER BANK STABILIZATION**  
 MEMPHIS, TENNESSEE  
 SHELBY COUNTY, TENNESSEE

SHEET NUMBER:  
**C-3**  
 PROJECT:  
 LEPA: 1290-04

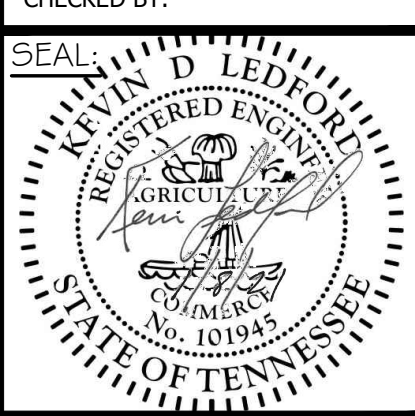


SCALE: 1" = 4' V  
 1" = 40' H

REVISION		
ITEM NO.	DESCRIPTION OF CHANGE	APPROVAL DATE

Z:\1290\04 CONSTRUCTION DRAWINGS\C-3 DRAINAGE PLAN & PROFILE.dwg

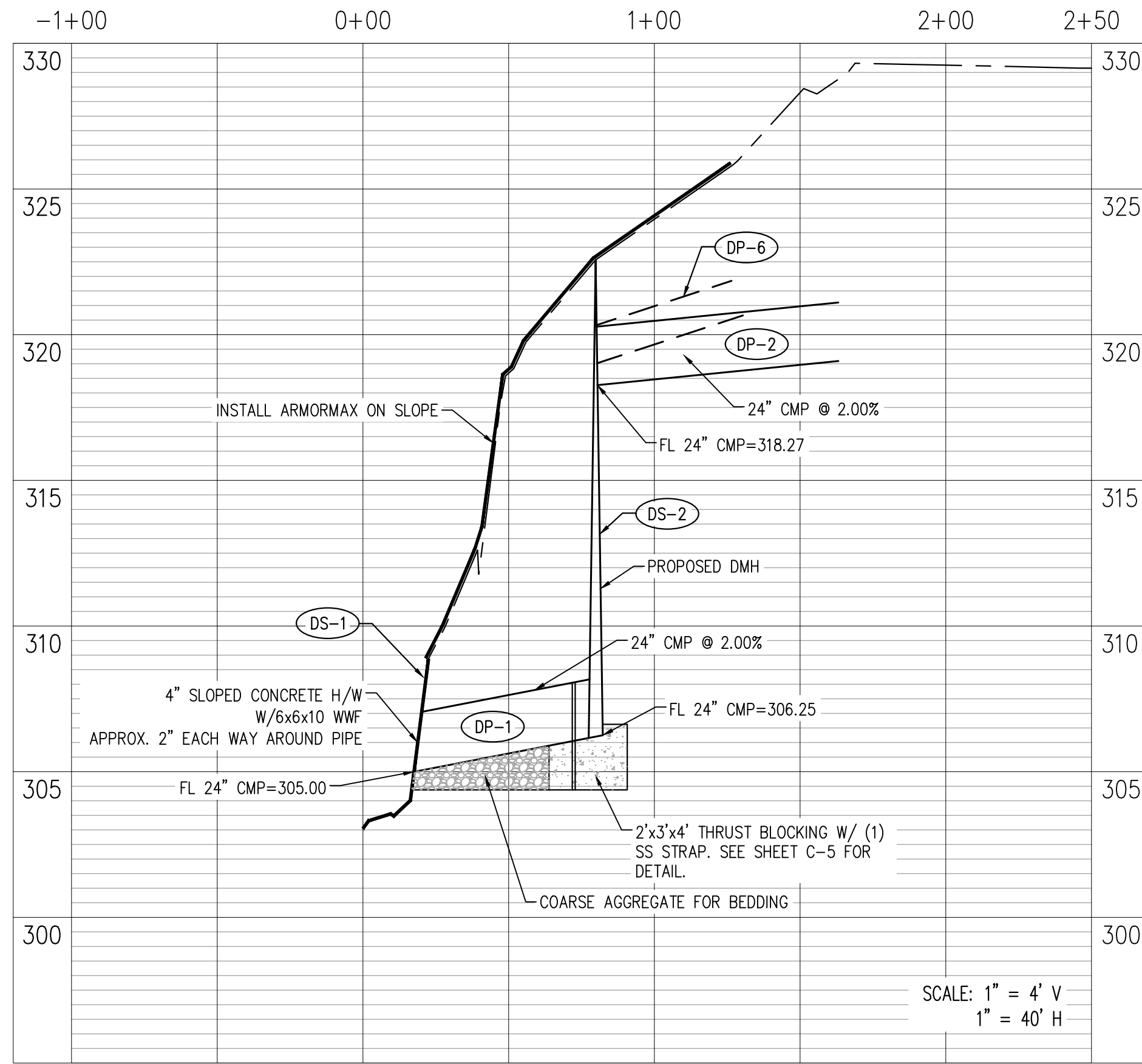
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 DESIGNER: KDL  
 CHECKED BY: KDL



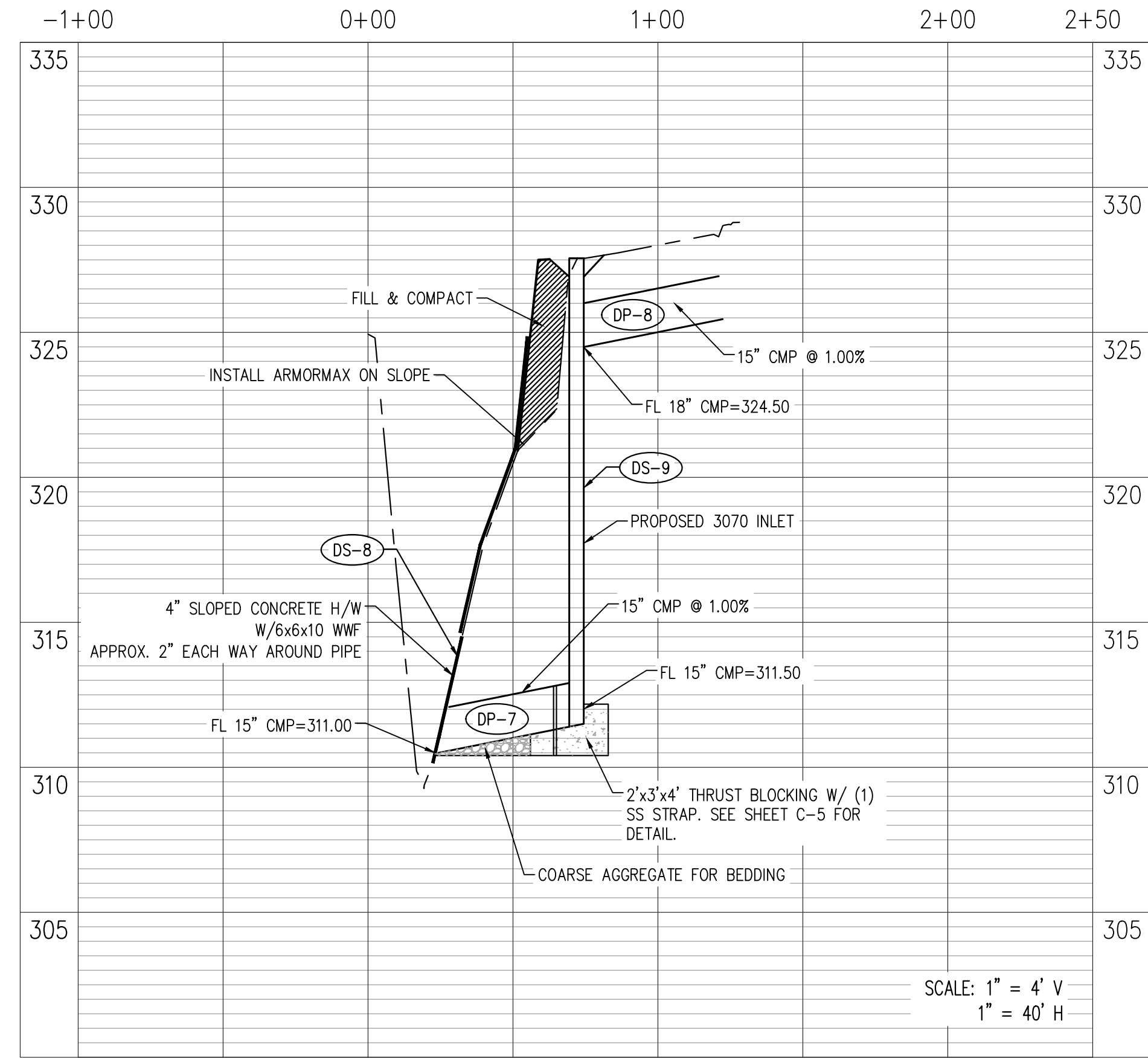
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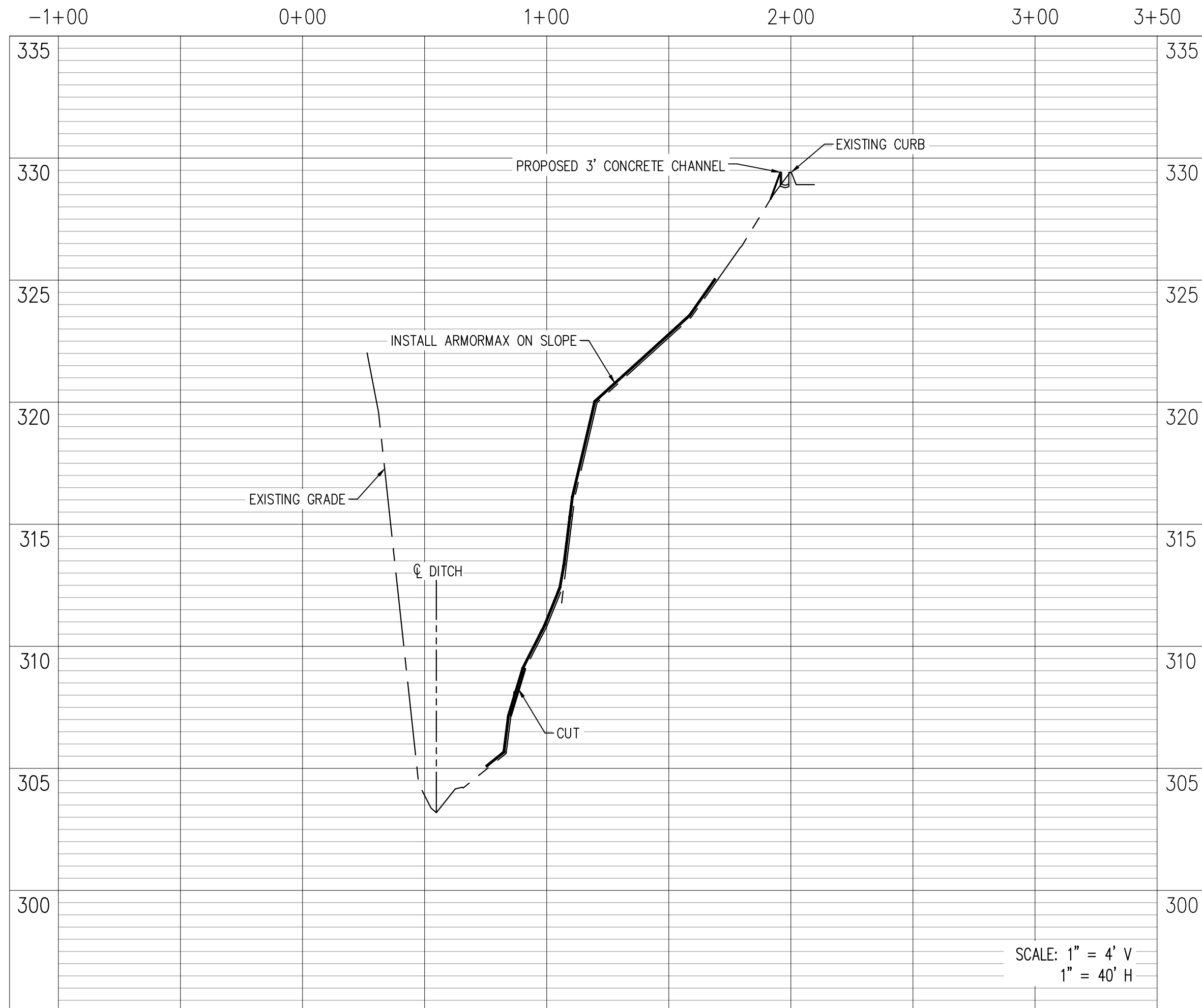
**DRAINAGE PROFILE**



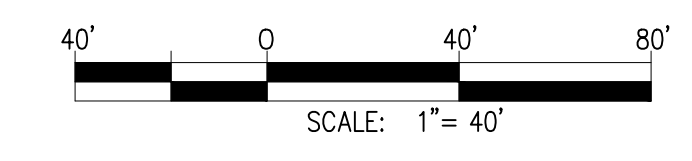
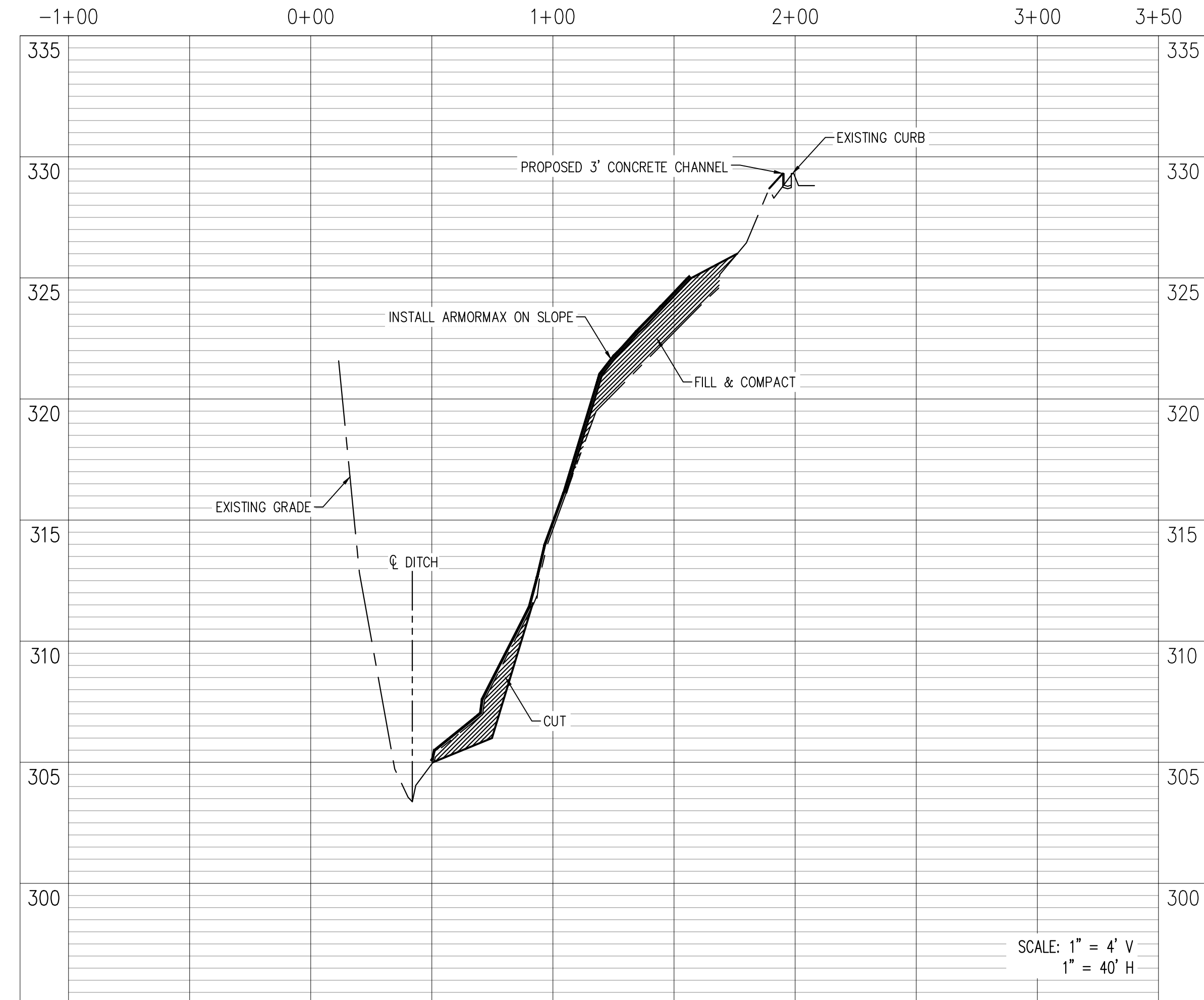
**DRAINAGE PROFILE 2**



**STREAM SECTION 1**



**STREAM SECTION 2**



REVISION		
ITEM NO.	DESCRIPTION OF CHANGE	APPROVAL DATE

STREAM PROFILES

AAA COOPER BANK STABILIZATION  
 MEMPHIS, TENNESSEE  
 SHELBY COUNTY, TENNESSEE

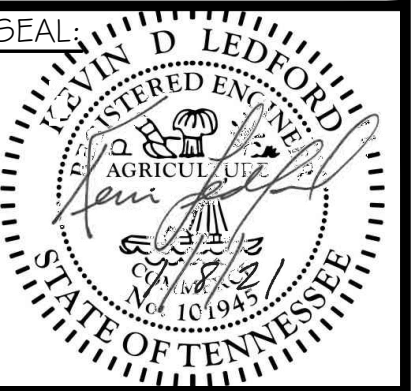
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**C-4**

PROJECT:  
 LEPA: 1290-04

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 DRAWN BY: KDL  
 DESIGNER: KDL  
 CHECKED BY:



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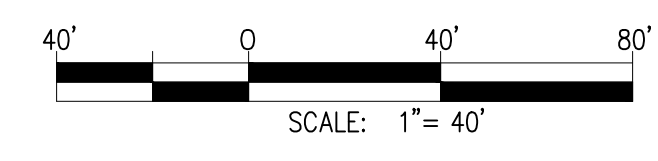
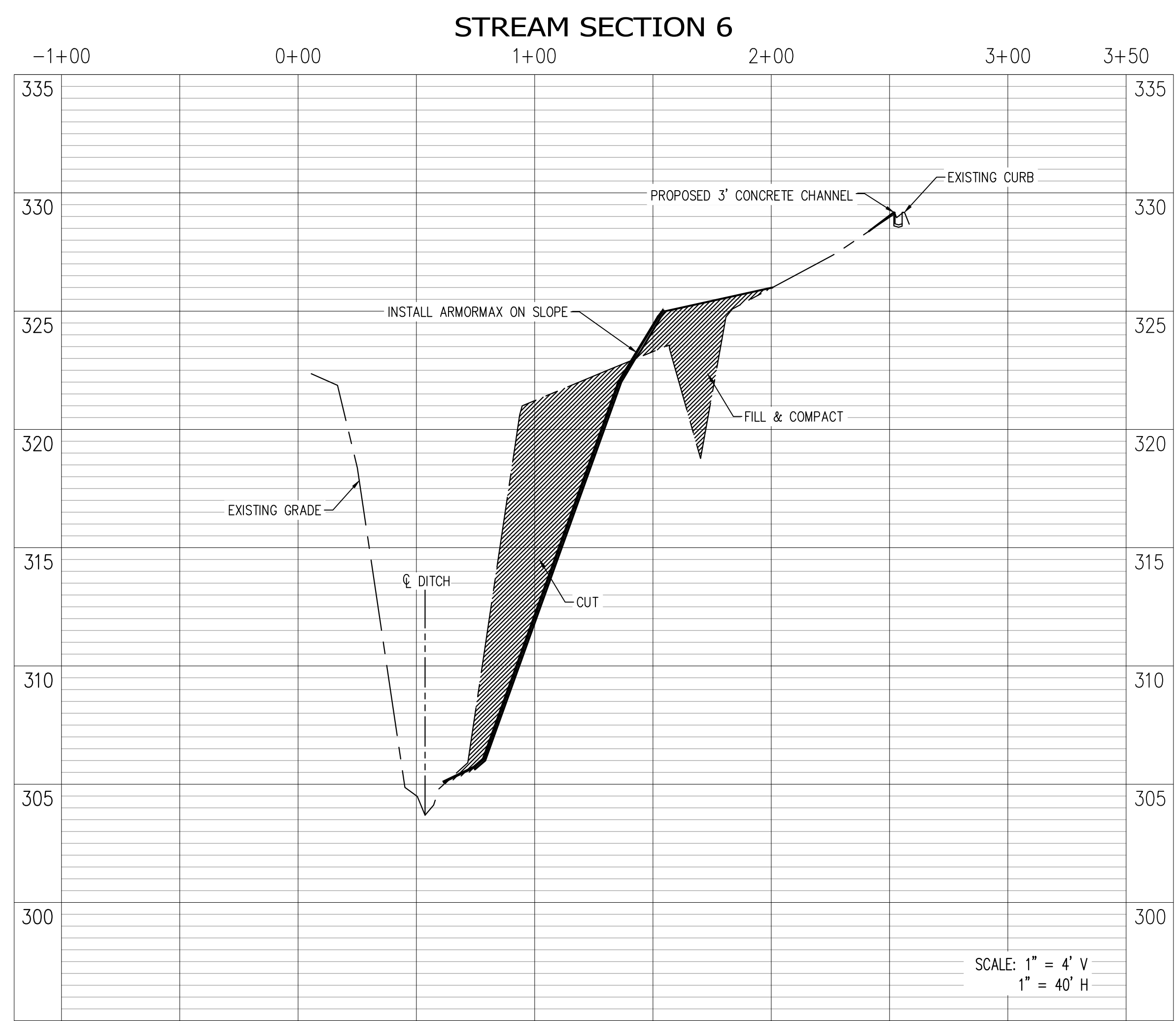
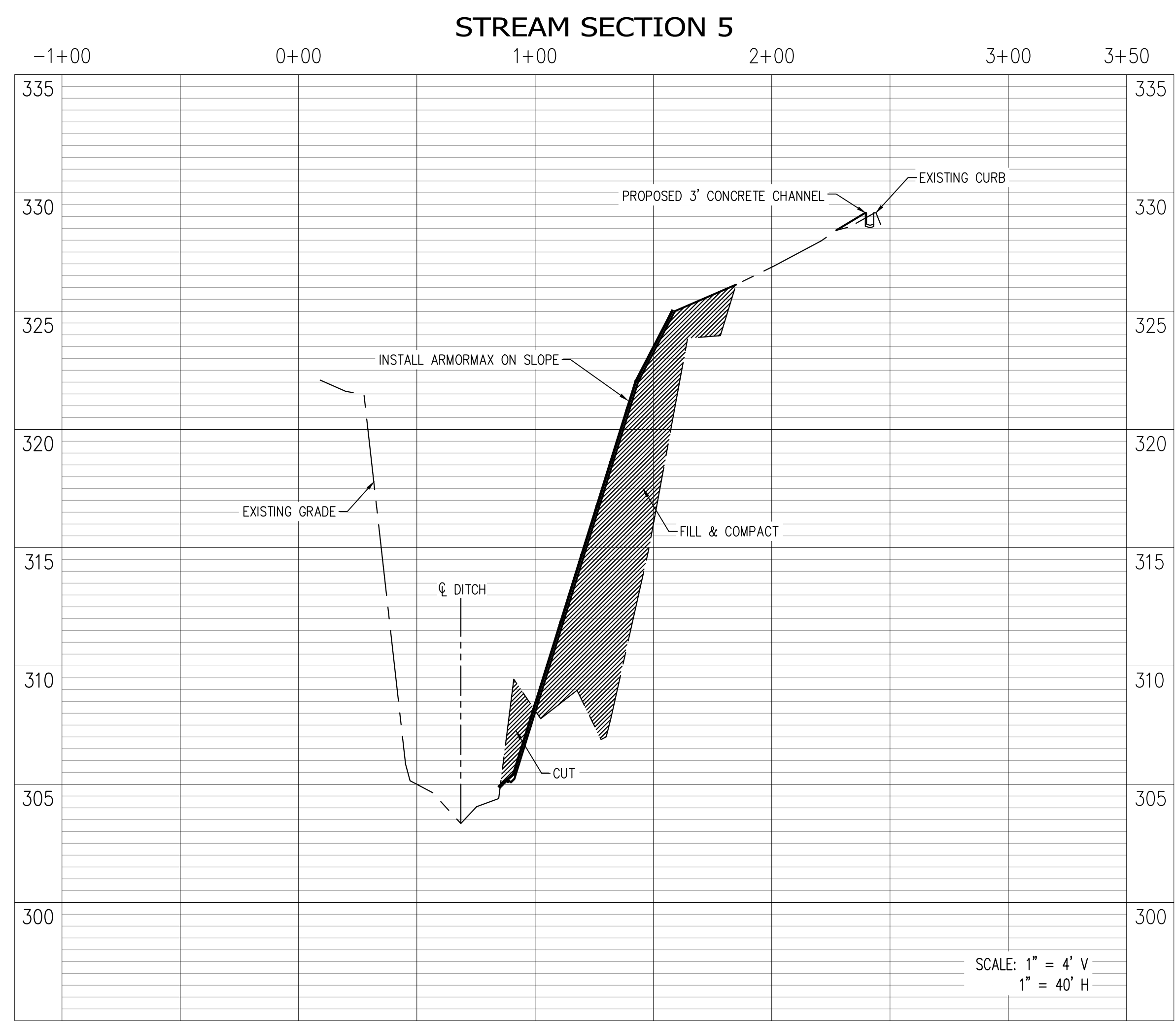
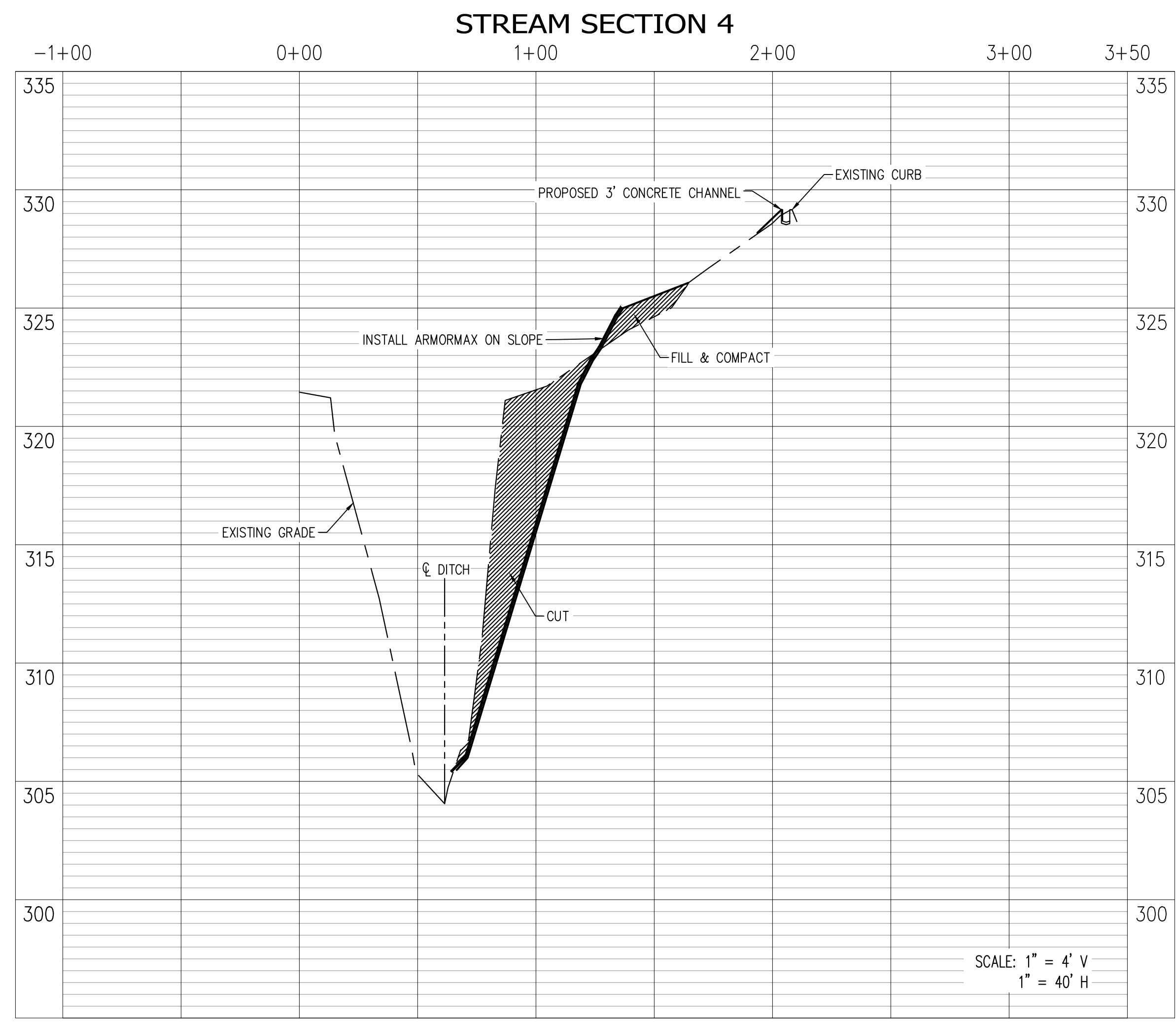
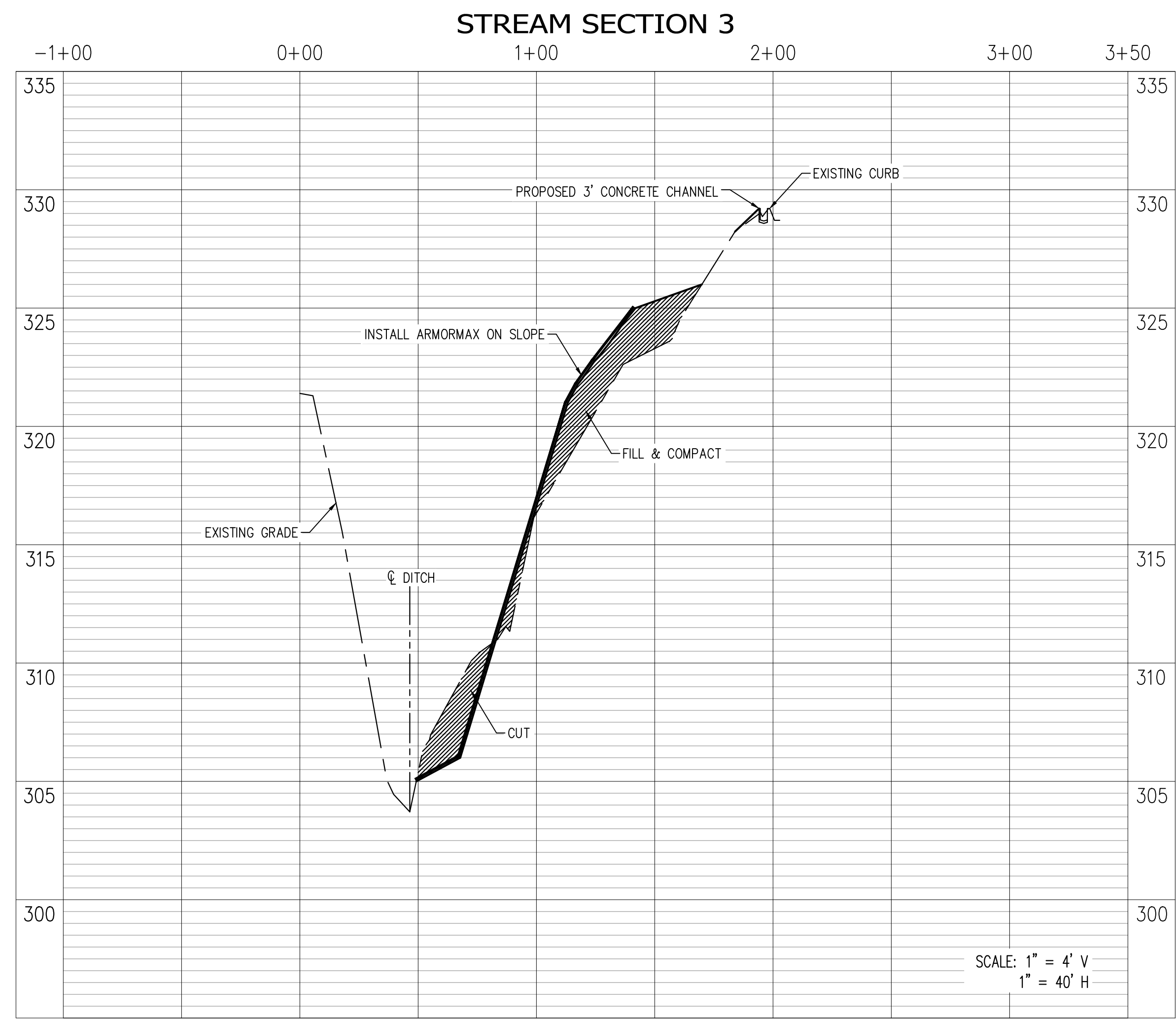
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STREAM PROFILES  
 AAA COOPER BANK STABILIZATION  
 MEMPHIS, TENNESSEE  
 SHELBY COUNTY, TENNESSEE

SHEET NUMBER:

**C-5**

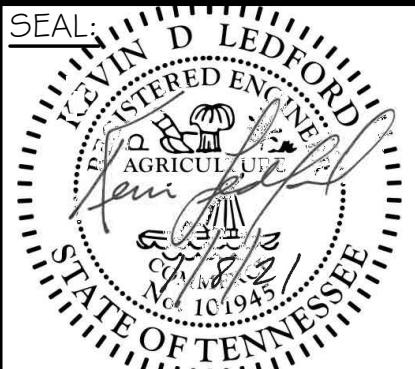
PROJECT:  
 LEPA: 1290-04



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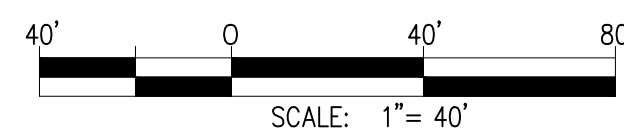
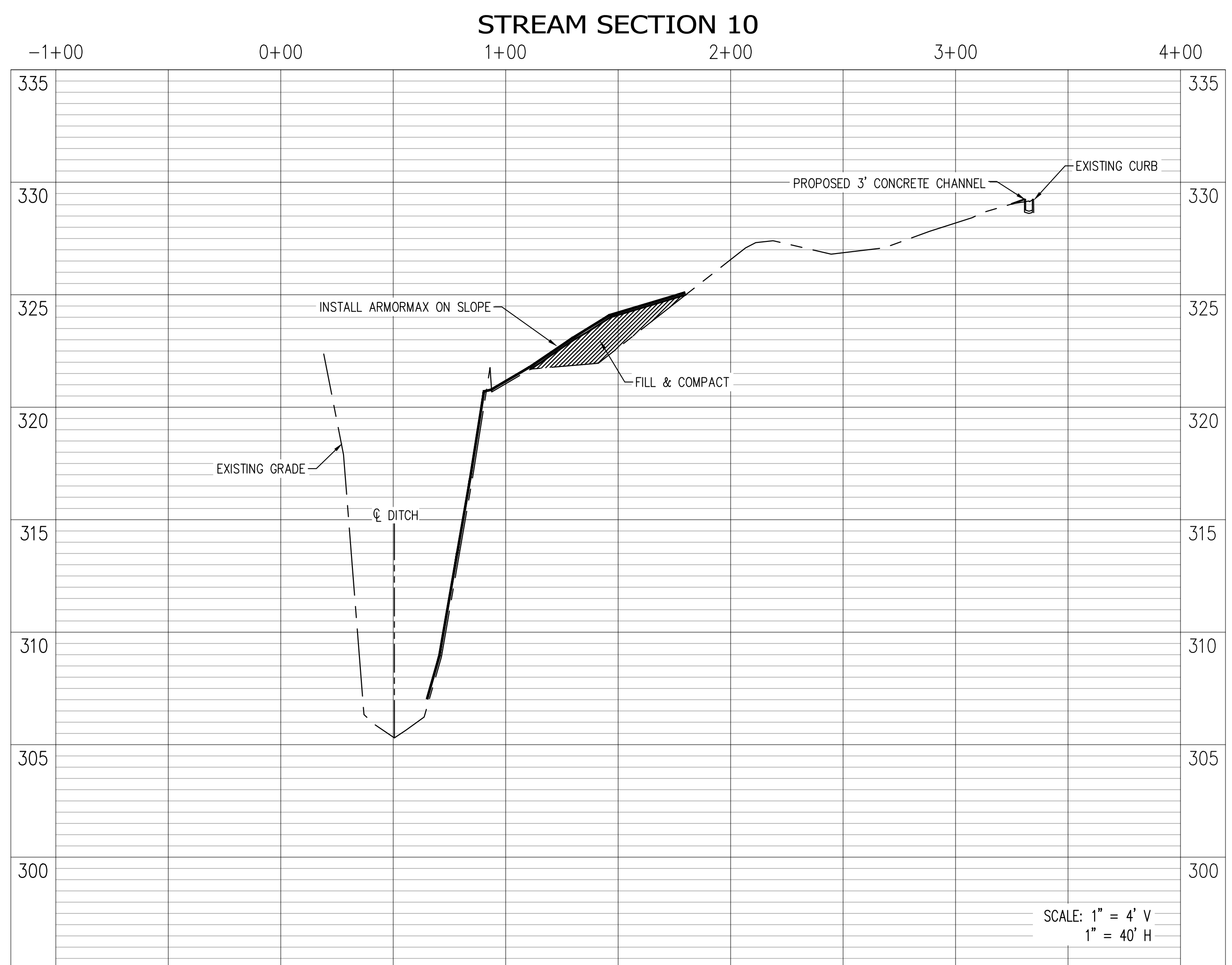
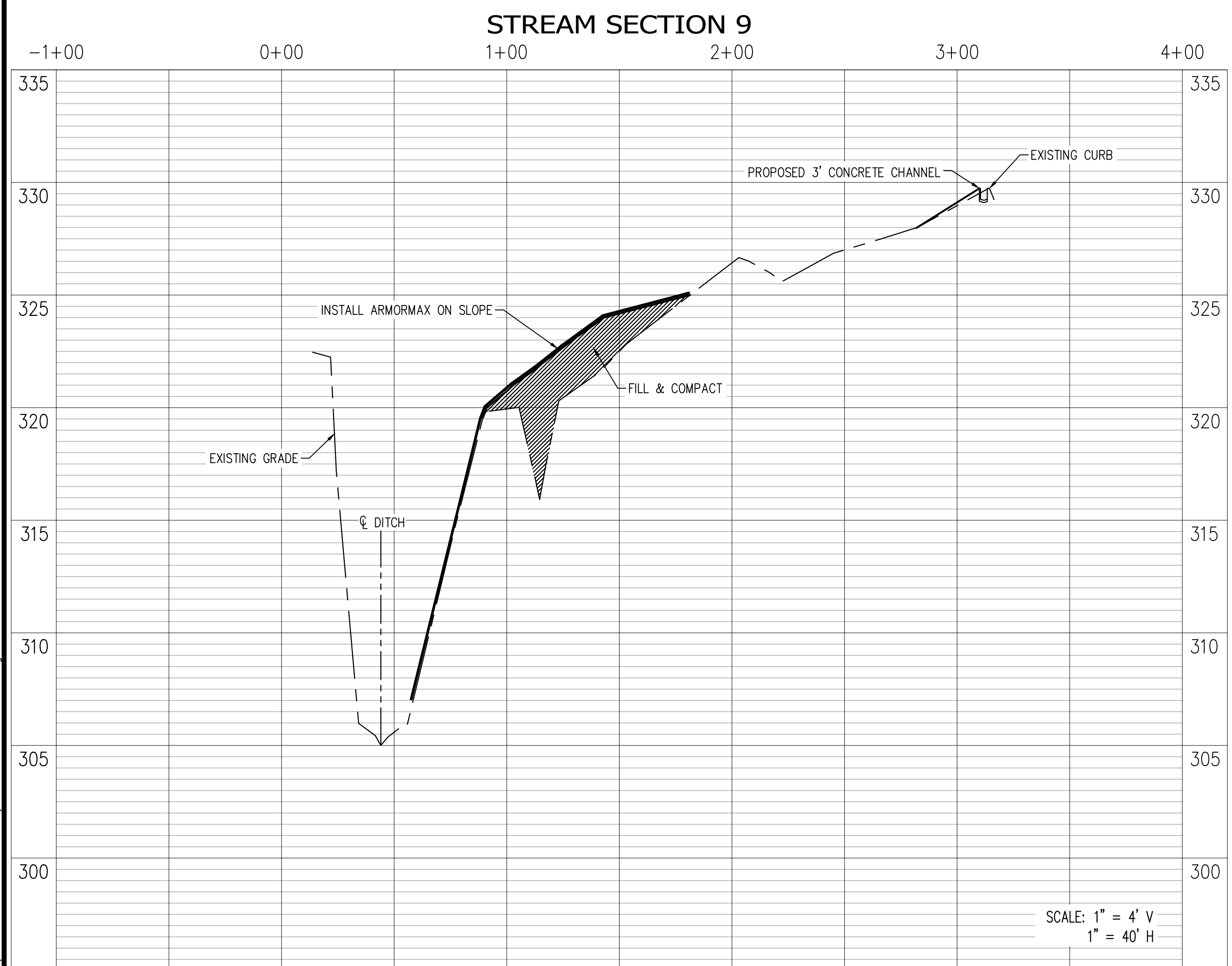
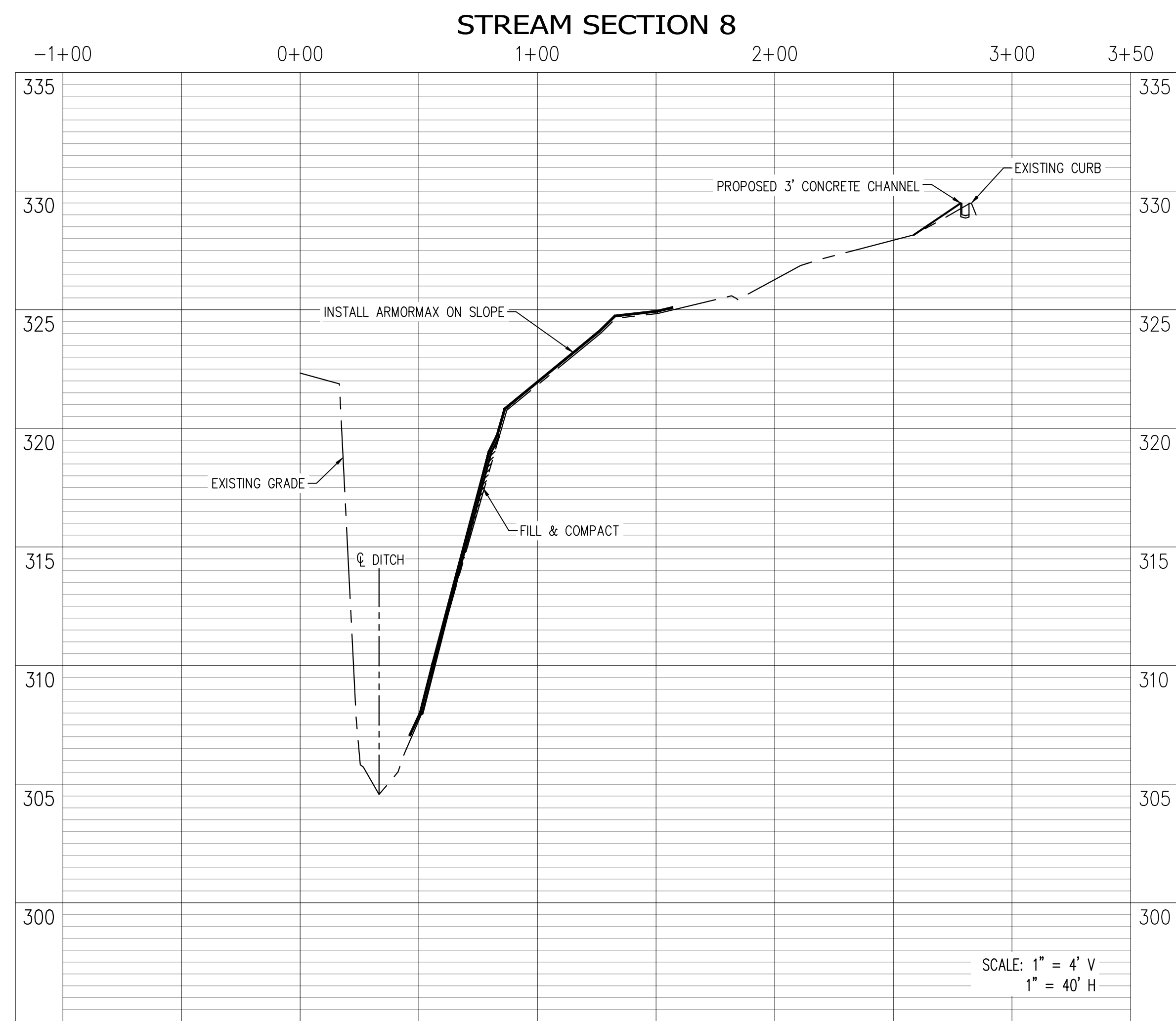
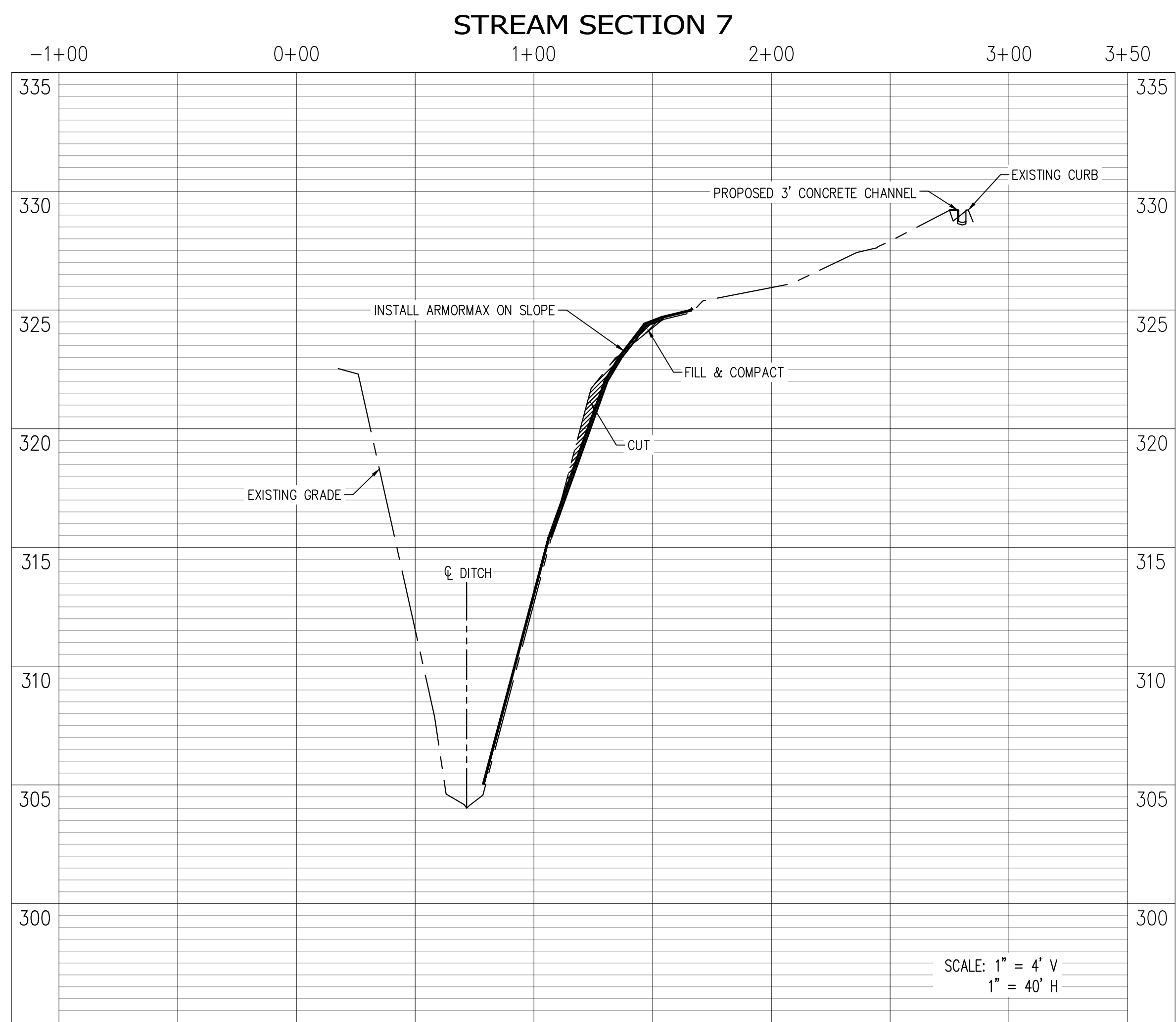
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DATE: 1/8/20  
 DRAWN BY: K. HAM  
 DESIGNER: KDL  
 CHECKED BY: KDL



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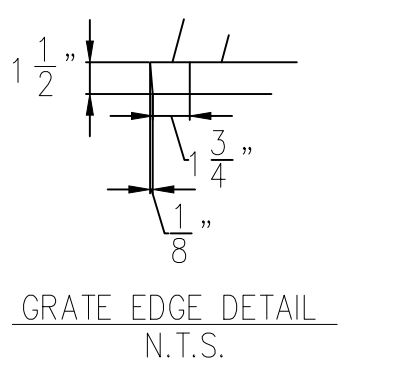
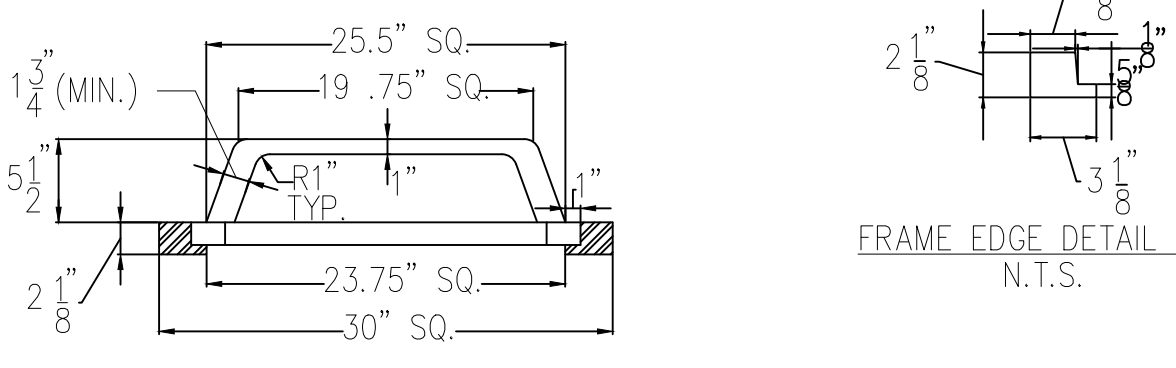
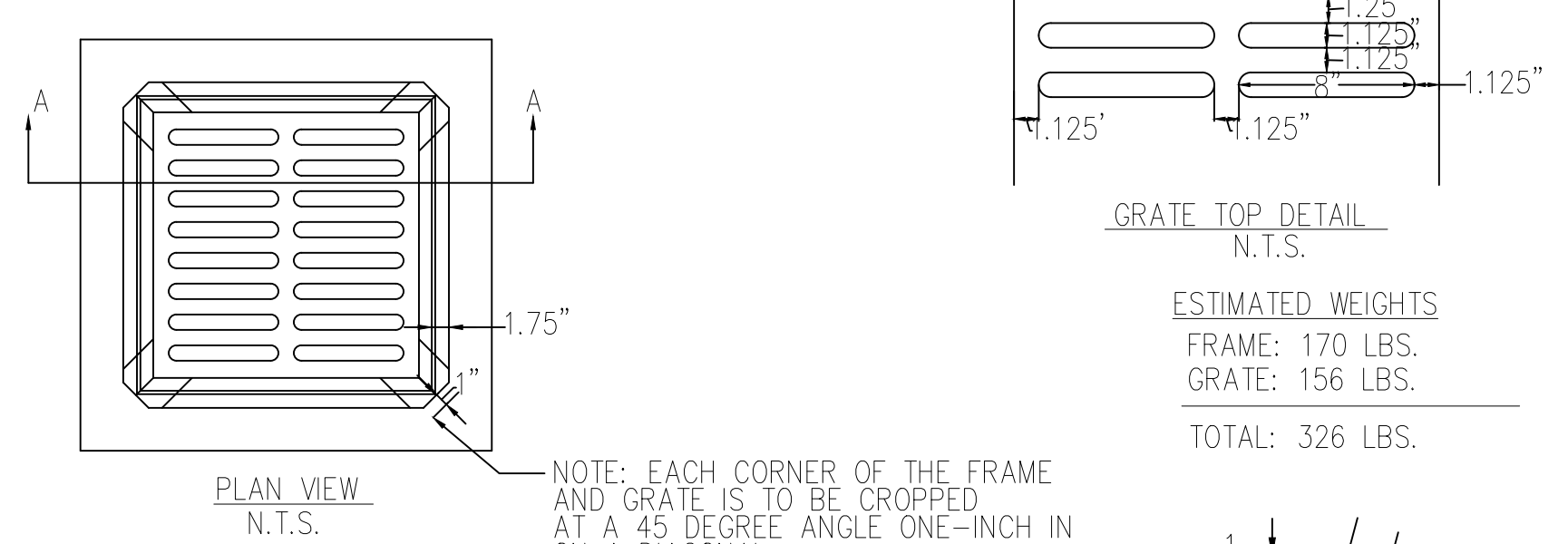
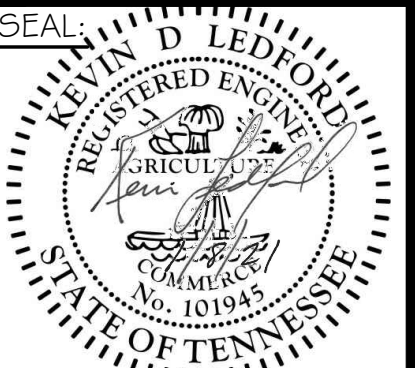
REVISION		
ITEM NO.	DESCRIPTION OF CHANGE	APPROVAL DATE

**STREAM PROFILES**  
**AAA COOPER BANK STABILIZATION**  
**MEMPHIS, TENNESSEE**  
**SHELBY COUNTY, TENNESSEE**

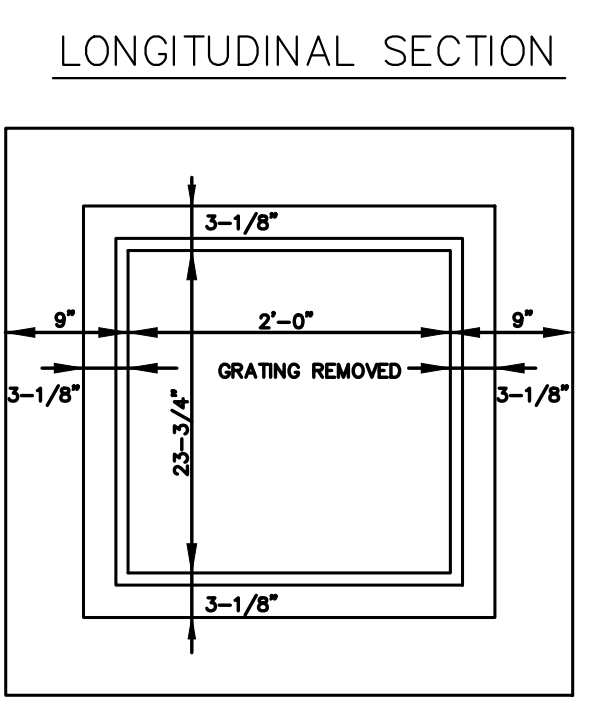
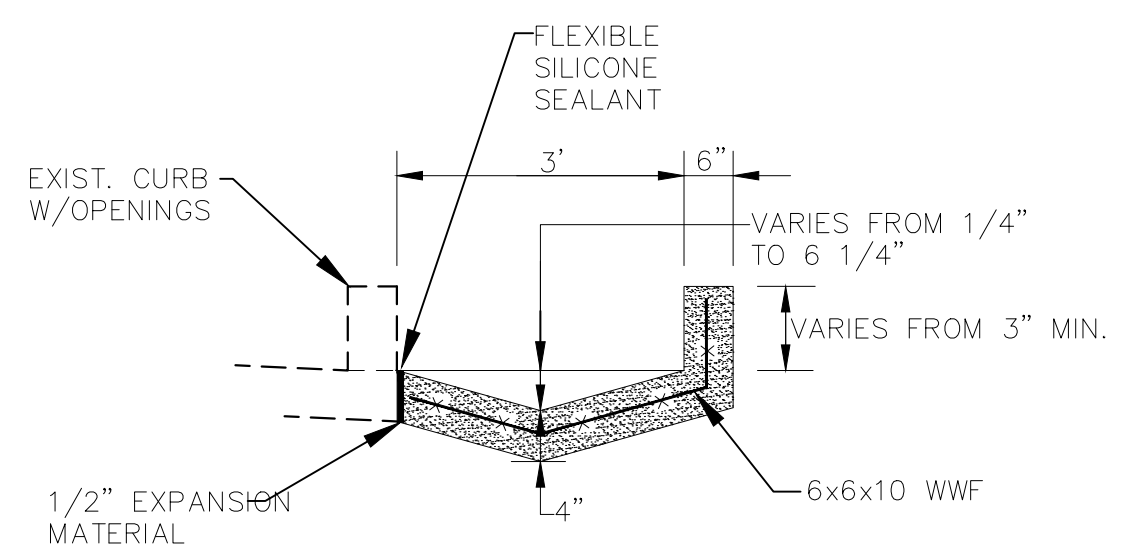
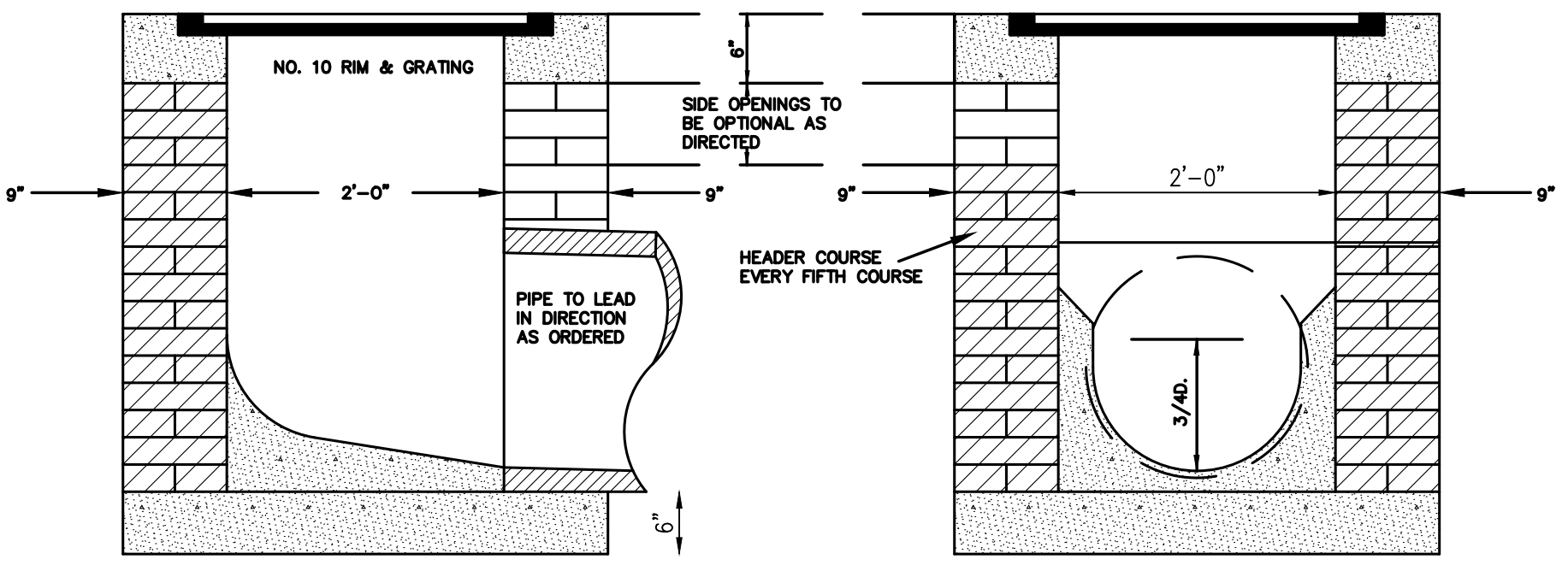
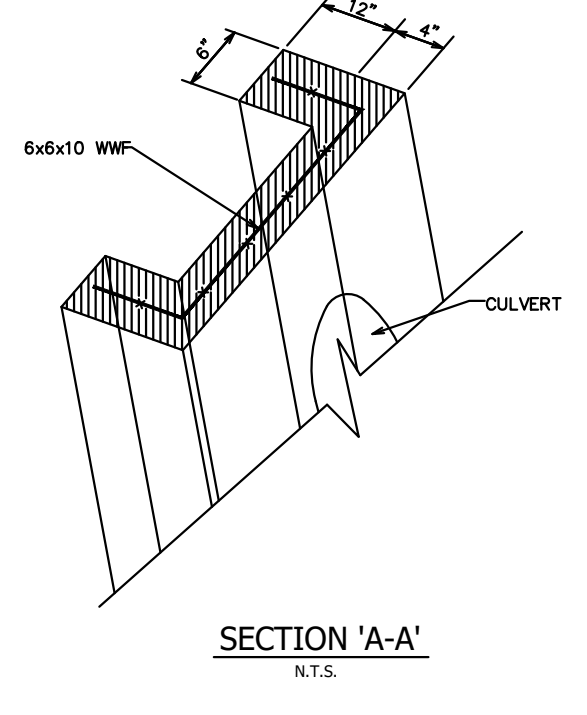
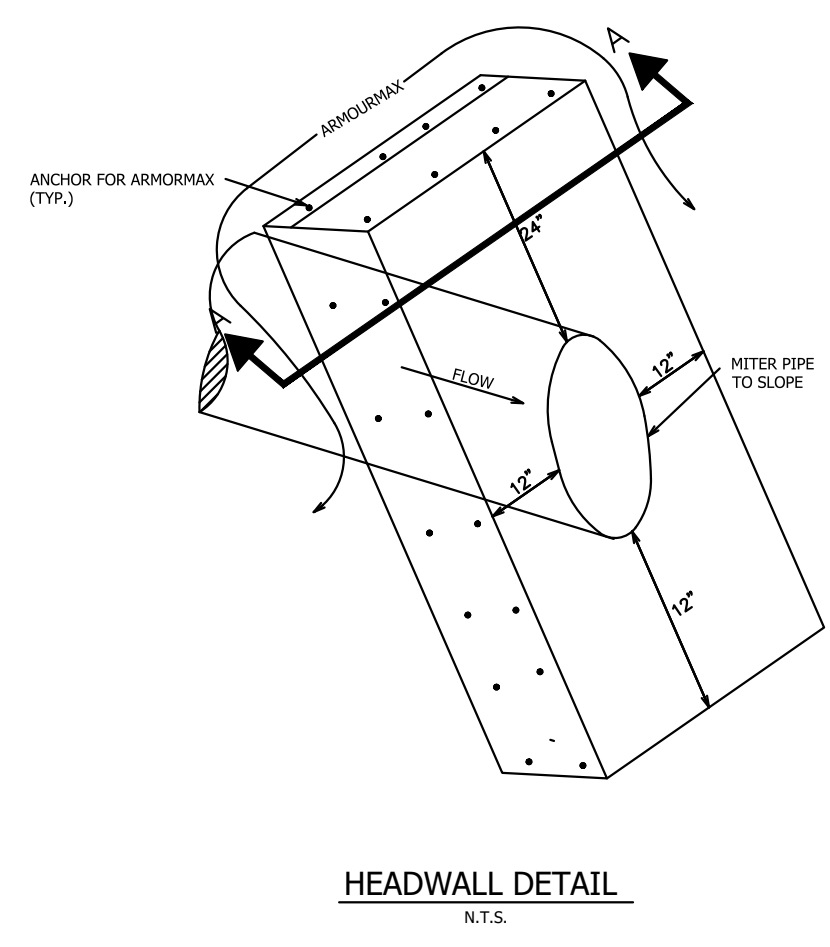
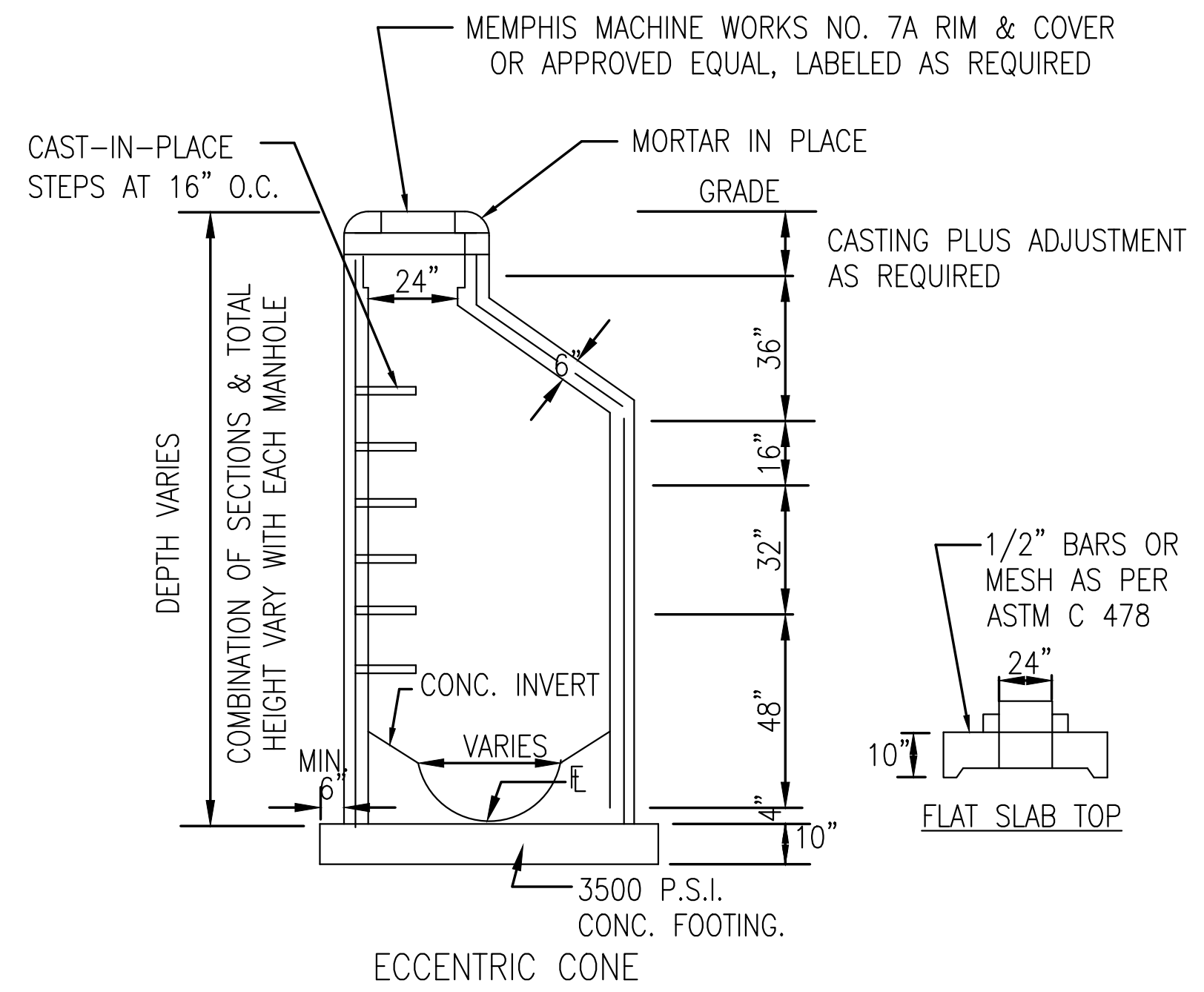
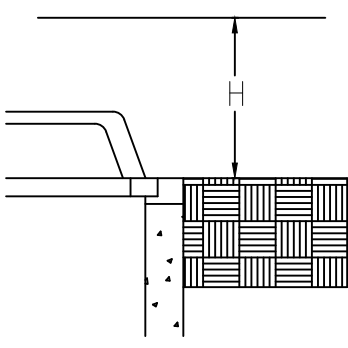
SHEET NUMBER:  
**C-6**

PROJECT:  
 LEPA: 1290-04

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- NOTES:**
- FOR INLET STRUCTURE CONSTRUCTION SEE THE CITY OF MEMPHIS DESIGN STANDARD FOR A NO. 10 INLET
  - INLET CAPACITY: (WITH 50% TRASH BLOCKAGE)
- | H (FT.) | Q (C.F.S.) |
|---------|------------|
| 1.0     | 6.6        |
| 0.8     | 5.6        |
| 0.6     | 4.4        |
- MAXIMUM TRIBUTARY DRAINAGE AREA ALLOWED IN INLET = 2 ACRES  
 MAXIMUM ALLOWABLE HEIGHT OF WATER (H) = 1 FT.
  - NO TWIN 3070 INLETS ALLOWED.



**#3070 INLET**  
 N.T.S.

NOTE: CONC. TO BE 3000 PSI (8 BAG MIN.)

REVISION		
ITEM NO.	DESCRIPTION OF CHANGE	APPROVAL DATE

SHEET NUMBER:  
**C-7**  
 PROJECT:  
 LEPA: 1290-04