

# PROMONTORY POINT LANDFILL

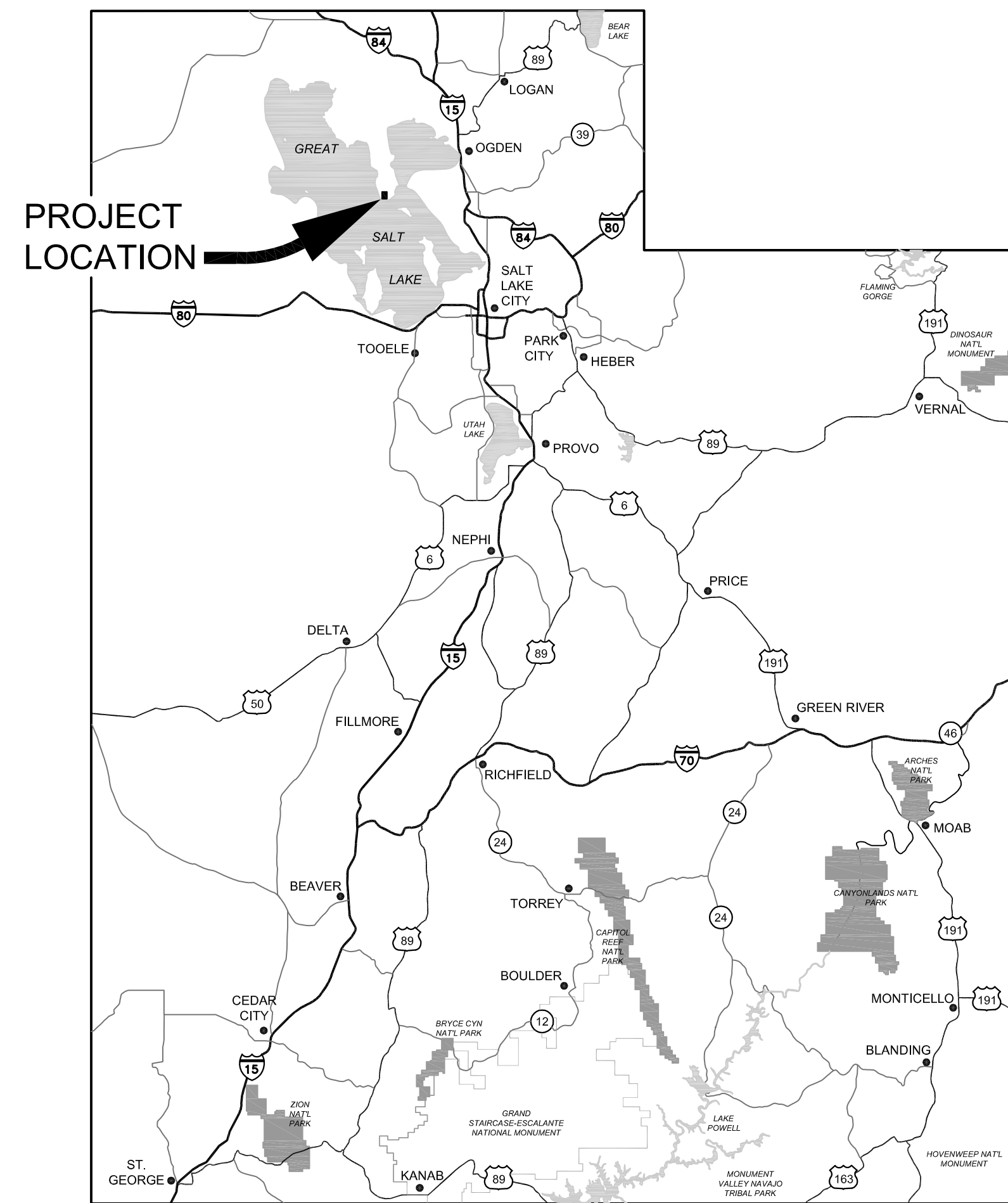
## OGDEN, UTAH

### PHASE 1

### PHASES 1A, 1B, 1C

### DEVELOPMENT PROJECT

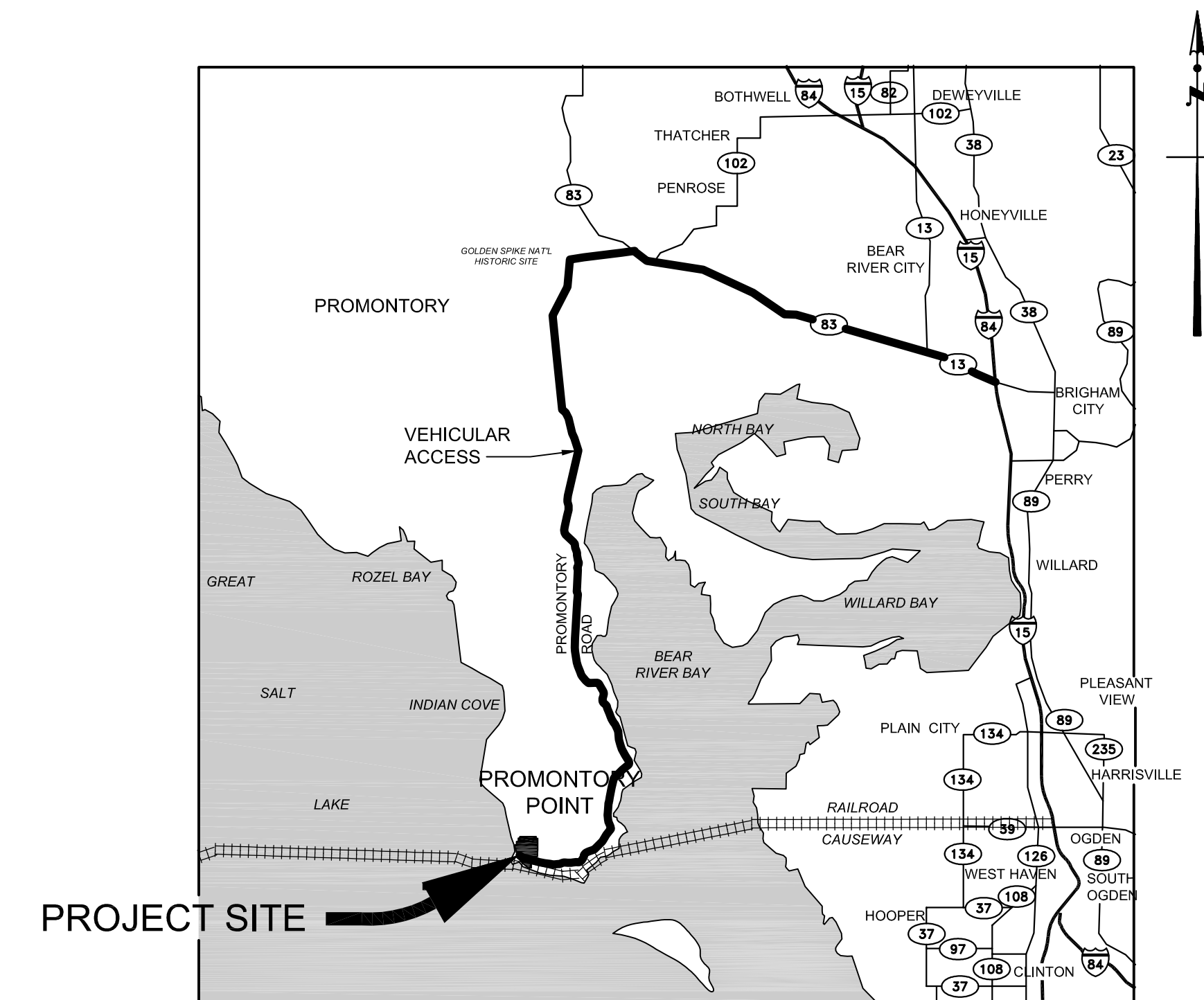
### JANUARY 2017



LOCATION MAP  
NTS

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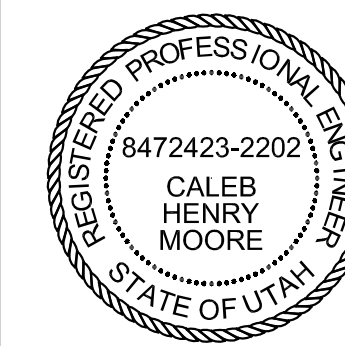


VICINITY MAP AND ACCESS  
NTS

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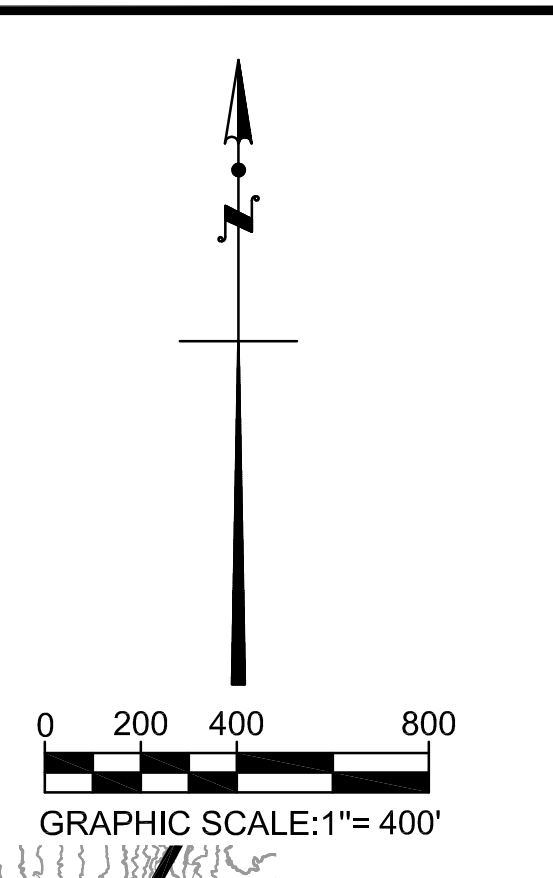
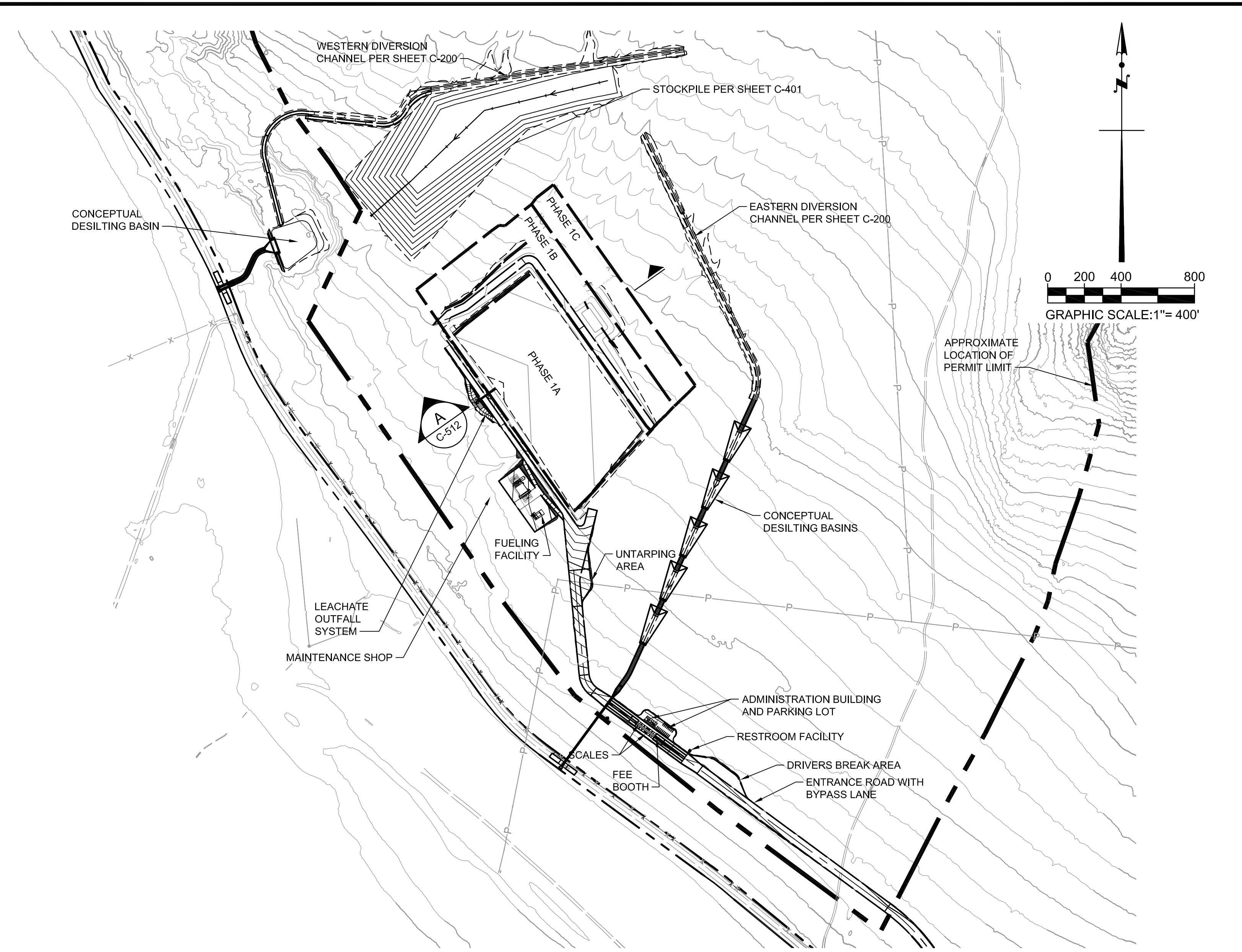
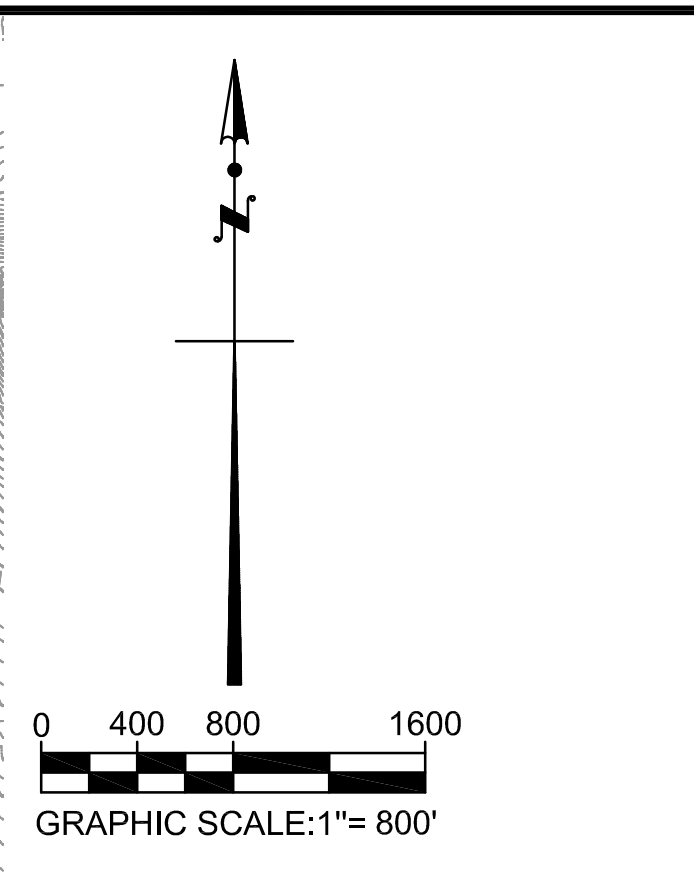
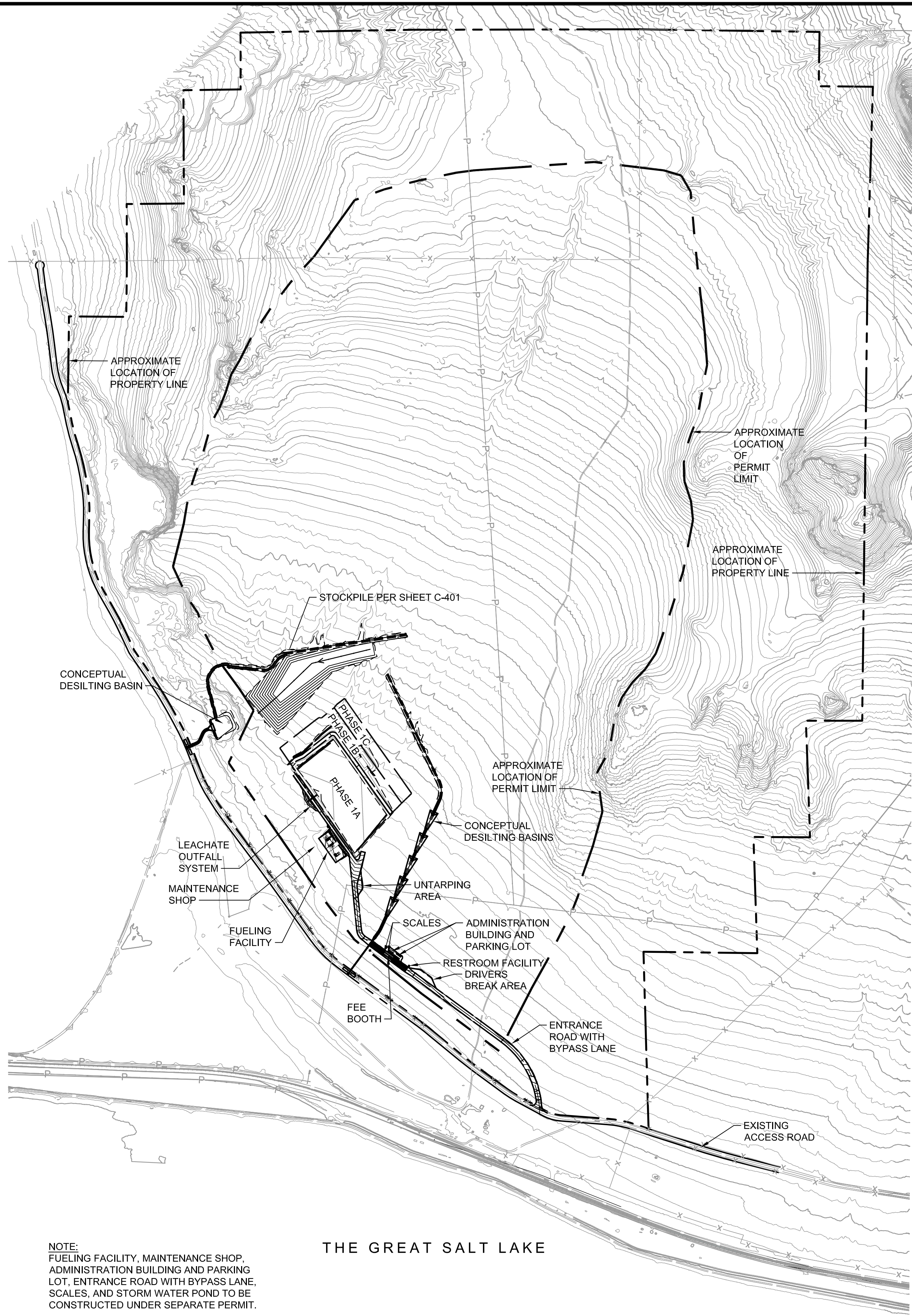
**TETRA TECH BAS**  
1360 Valley Vista Drive, Diamond Bar, CA 91765  
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PROMONTORY POINT, LLC		
<b>COVER SHEET</b>		
DESIGNED BY: DLL	FILE: C-001 Cover Sheet.dwg	
DRAWN BY: PV / ANP	DATE: 01-2017	SCALE: AS SHOWN
CHECKED BY: GES	DATE: 01-2017	<b>C-001</b>
APPROVED BY: CHM	DATE: 01-2017	

**FOR PERMIT PURPOSES ONLY - NOT FOR CONSTRUCTION**





NOTE:  
FUELING FACILITY, MAINTENANCE SHOP,  
ADMINISTRATION BUILDING AND PARKING  
LOT, ENTRANCE ROAD WITH BYPASS LANE,  
SCALES, AND STORM WATER POND TO BE  
CONSTRUCTED UNDER SEPARATE PERMIT.

THE GREAT SALT LAKE

**LEGEND**

	PROPERTY LINE
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	SUBTITLE-D LIMIT OF WASTE
	LIMIT OF EXISTING LINER
	LINER LIMIT
	LCRS MAINLINE
	LCRS LATERAL
	FLOWLINE
	TOP / TOE / GRADEBREAK
	RIP-RAP
	AC PAVING
	SECTION NAME
	REFERENCE SHEET

**ABBREVIATIONS**

BW	BOTTOM OF WALL
CF	CUBIC FOOT
CU. YD.	CUBIC YARDS
DIA	DIAMETER
EG	EXISTING GRADE
FL	FLOWLINE
FS	FINISHED SURFACE
FT	FOOT
GB	GRADE BREAK
GCL	GEOSYNTHETIC CLAY LINER
HDPE	HIGH DENSITY POLYETHYLENE
HP	HIGH POINT
INV	INVERT
LCRS	LEACHATE COLLECTION AND REMOVAL SYSTEM
OZ	OUNCE
O.C.	ON CENTER
TC	TOP OF CURB
TG	TOP OF GRATE
TW	TOP OF WALL
TYP	TYPICAL
SDR	STANDARD DIMENSION RATIO
SD	STORM DRAIN
SY	SQUARE YARD

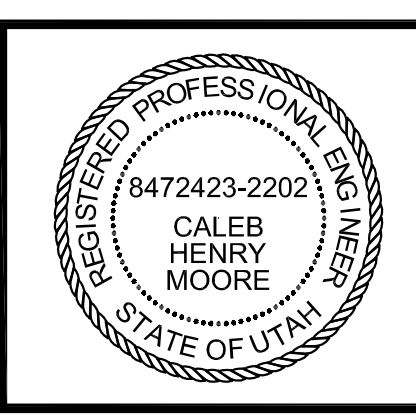
- CONSTRUCTION NOTES**
- EXCAVATE OR FILL TO GRADES
  - CONSTRUCT BASE LINER PER
  - CONSTRUCT SLOPE LINER PER
  - CONSTRUCT BASE LINER TERMINATION PER
  - CONSTRUCT LINER TERMINATION PER
  - CONSTRUCT DIVERSION CHANNEL PER
  - CONSTRUCT 6" PERFORATED LCRS MAINLINE PER
  - CONSTRUCT 6" PERFORATED LCRS LATERAL PER
  - CONSTRUCT 18" SOLID LCRS RISER PER
  - CONSTRUCT 6" LCRS MAINLINE AT TOP OF SLOPE PER
  - CONSTRUCT TOE LINER TRANSITION PER
  - CONSTRUCT LCRS PIPE CONNECTION PER
  - CONSTRUCT LCRS TOE DRAIN PER
  - CONSTRUCT DRAINAGE BENCH PER
  - CONSTRUCT BOLLARD PER
  - PLACE TEMPORARY CAP ON LCRS PIPING

- CONSTRUCT TOP OF SLOPE LINER TERMINATION PER
- CONSTRUCT LINER JOIN PER
- CONSTRUCT BASE LINER JOIN PER
- CONSTRUCT LCRS SUMP PER
- CONSTRUCT SLOPE LINER TERMINATION PER
- JOIN 6" LCRS MAINLINE
- JOIN 6" PERFORATED LCRS LATERAL
- INSTALL EROSION CONTROL BLANKET PER
- CONSTRUCT 6" SOLID HDPE PIPE
- JOIN 6" PERFORATED LCRS TOE DRAIN
- TEMPORARY LINER TERMINATION PER
- BASE LINER JOIN PER
- CONSTRUCT DIVERSION CHANNEL PER
- INSTALL STORMWATER PUMP
- INSTALL RIP RAP
- CONSTRUCT V-DITCH PER
- CONSTRUCT TOP DECK INLET PER
- CONSTRUCT SANDGAB CHEVRON PER
- INSTALL ORANGE CONSTRUCTION FENCE AT 20' O.C. UNDERNEATH STOCKPILE MATERIAL

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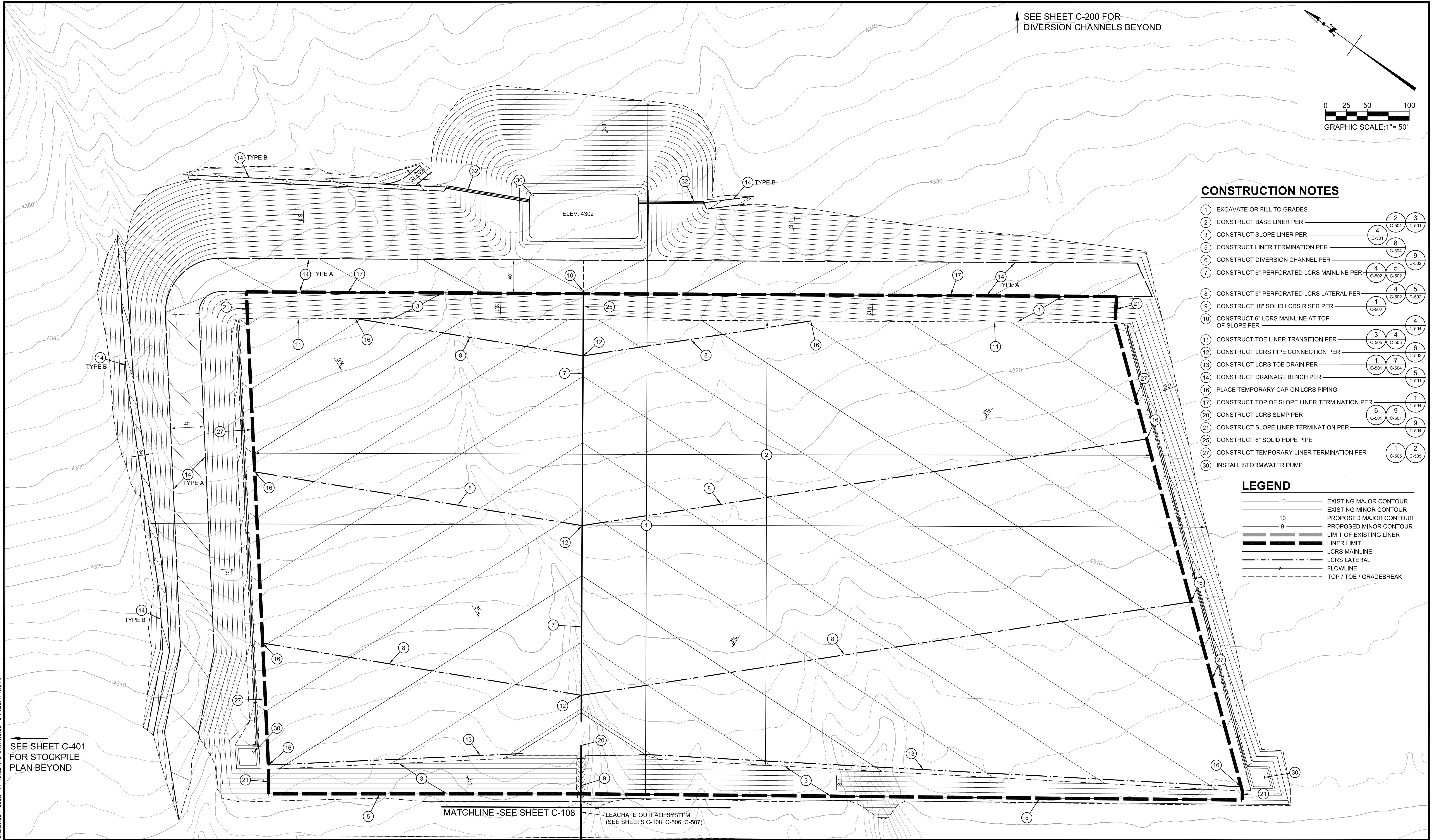
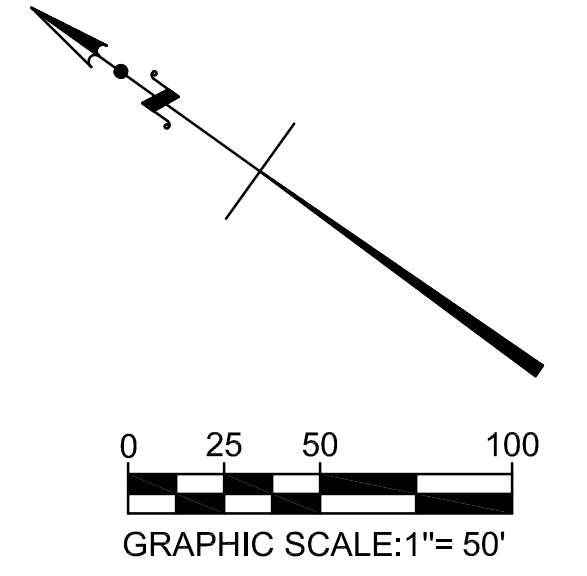


PROMONTORY POINT, LLC	
<b>SITE MAP</b>	
DESIGNED BY: DLL	FILE: C-100 Site Map.dwg
DRAWN BY: PV / ANP	DATE: 01-2017 SCALE: AS SHOWN
CHECKED BY: GES	DATE: 01-2017
APPROVED BY: CHM	DATE: 01-2017
<b>C-100</b>	

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SEE SHEET C-200 FOR DIVERSION CHANNELS BEYOND



**CONSTRUCTION NOTES**

- 1 EXCAVATE OR FILL TO GRADES
- 2 CONSTRUCT BASE LINER PER \_\_\_\_\_
- 3 CONSTRUCT SLOPE LINER PER \_\_\_\_\_
- 4 CONSTRUCT LINER TERMINATION PER \_\_\_\_\_
- 5 CONSTRUCT DIVERSION CHANNEL PER \_\_\_\_\_
- 6 CONSTRUCT 6" PERFORATED LCRS MAINLINE PER \_\_\_\_\_
- 7 CONSTRUCT 6" PERFORATED LCRS LATERAL PER \_\_\_\_\_
- 8 CONSTRUCT 6" PERFORATED LCRS LATERAL PER \_\_\_\_\_
- 9 CONSTRUCT 18" SOLID LCRS RISER PER \_\_\_\_\_
- 10 CONSTRUCT 6" LCRS MAINLINE AT TOP OF SLOPE PER \_\_\_\_\_
- 11 CONSTRUCT TOE LINER TRANSITION PER \_\_\_\_\_
- 12 CONSTRUCT LCRS PIPE CONNECTION PER \_\_\_\_\_
- 13 CONSTRUCT LCRS TOE DRAIN PER \_\_\_\_\_
- 14 CONSTRUCT DRAINAGE BENCH PER \_\_\_\_\_
- 16 PLACE TEMPORARY CAP ON LCRS PIPING
- 17 CONSTRUCT TOP OF SLOPE LINER TERMINATION PER \_\_\_\_\_
- 20 CONSTRUCT LCRS SUMP PER \_\_\_\_\_
- 21 CONSTRUCT SLOPE LINER TERMINATION PER \_\_\_\_\_
- 25 CONSTRUCT 6" SOLID HDPE PIPE
- 27 CONSTRUCT TEMPORARY LINER TERMINATION PER \_\_\_\_\_
- 30 INSTALL STORMWATER PUMP

**LEGEND**

- 10 EXISTING MAJOR CONTOUR
- 10 EXISTING MINOR CONTOUR
- 10 PROPOSED MAJOR CONTOUR
- 9 PROPOSED MINOR CONTOUR
- LIMIT OF EXISTING LINER
- LINER LIMIT
- LCRS MAINLINE
- LCRS LATERAL
- FLOWLINE
- TOP / TOE / GRADEBREAK

SEE SHEET C-401 FOR STOCKPILE PLAN BEYOND

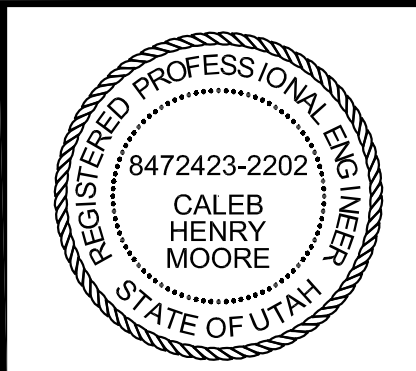
MATCHLINE -SEE SHEET C-108

LEACHATE OUTFALL SYSTEM (SEE SHEETS C-108, C-506, C-507)

P:\PROM PT LLO\FROM PT LFC\CELL 1\CAD\SHETS\FILESC-101 PHASE 1A EXCAVATION.DWG 1/22/2017 1:19 PM

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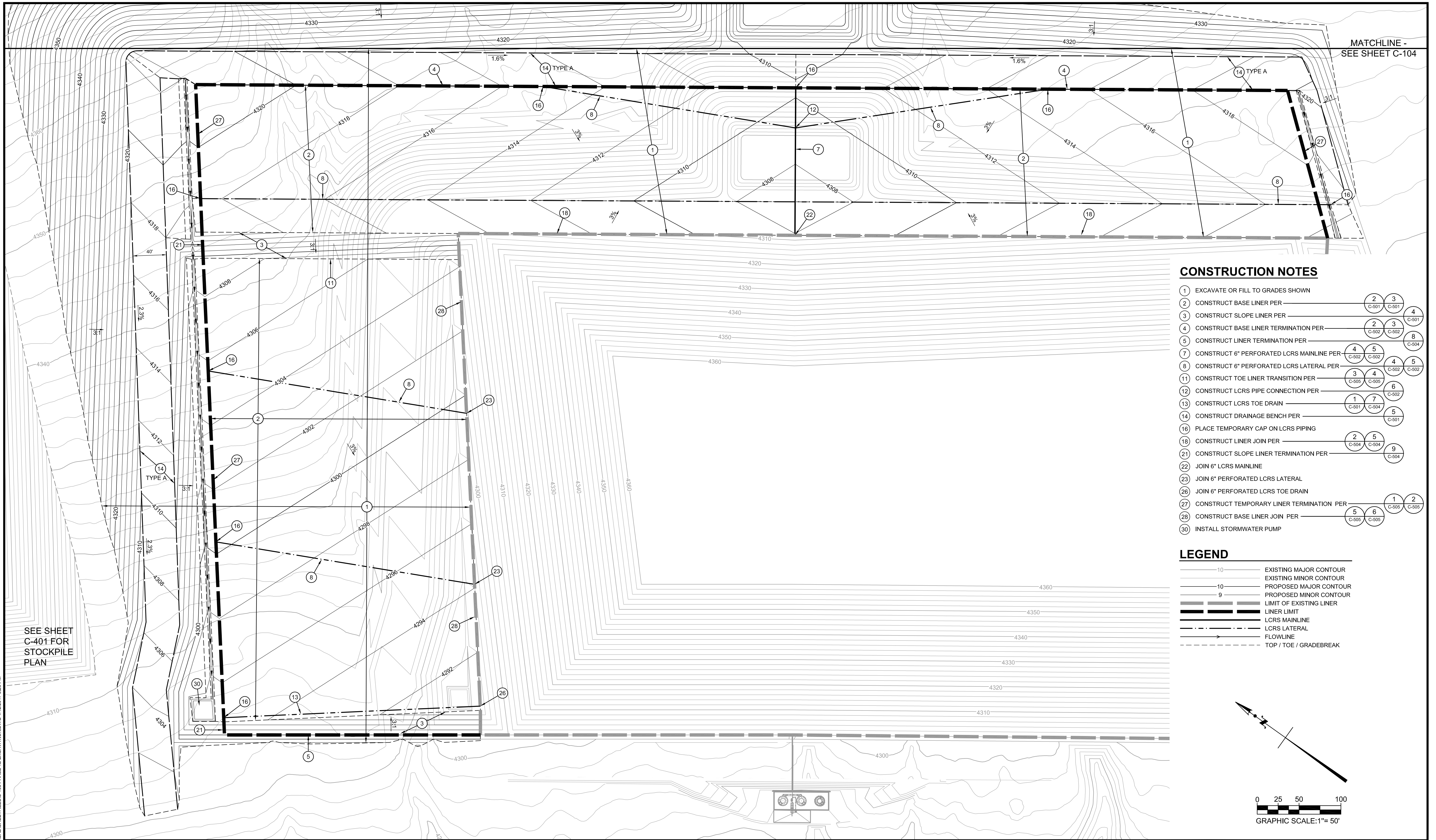
PROMONTORY POINT, LLC		
<b>PHASE 1A EXCAVATION</b>		
DESIGNED BY: DLL	FILE: C-101 Phase 1A Excavation.dwg	
DRAWN BY: PV / ANP	DATE: 01-2017	SCALE: AS SHOWN
CHECKED BY: GES	DATE: 01-2017	<b>C-101</b>
APPROVED BY: CHM	DATE: 01-2017	

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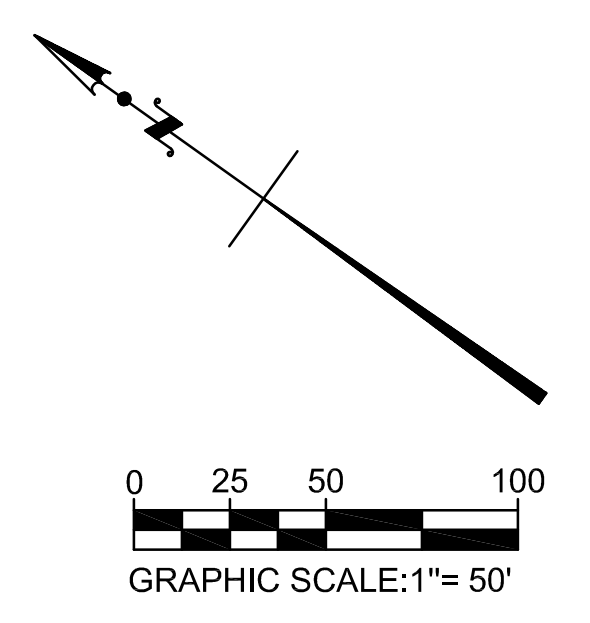
MATCHLINE -  
SEE SHEET C-104

**CONSTRUCTION NOTES**

- 1 EXCAVATE OR FILL TO GRADES SHOWN
- 2 CONSTRUCT BASE LINER PER 2 3  
C-501 C-501
- 3 CONSTRUCT SLOPE LINER PER 4  
C-501
- 4 CONSTRUCT BASE LINER TERMINATION PER 2 3  
C-502 C-502
- 5 CONSTRUCT LINER TERMINATION PER 8  
C-504
- 7 CONSTRUCT 6" PERFORATED LCRS MAINLINE PER 4 5  
C-502 C-502
- 8 CONSTRUCT 6" PERFORATED LCRS LATERAL PER 4 5  
C-502 C-502
- 11 CONSTRUCT TOE LINER TRANSITION PER 3 4  
C-505 C-505
- 12 CONSTRUCT LCRS PIPE CONNECTION PER 6  
C-502
- 13 CONSTRUCT LCRS TOE DRAIN 1 7  
C-501 C-504
- 14 CONSTRUCT DRAINAGE BENCH PER 5  
C-501
- 16 PLACE TEMPORARY CAP ON LCRS PIPING
- 18 CONSTRUCT LINER JOIN PER 2 5  
C-504 C-504
- 21 CONSTRUCT SLOPE LINER TERMINATION PER 9  
C-504
- 22 JOIN 6" LCRS MAINLINE
- 23 JOIN 6" PERFORATED LCRS LATERAL
- 26 JOIN 6" PERFORATED LCRS TOE DRAIN
- 27 CONSTRUCT TEMPORARY LINER TERMINATION PER 1 2  
C-505 C-505
- 28 CONSTRUCT BASE LINER JOIN PER 5 6  
C-505 C-505
- 30 INSTALL STORMWATER PUMP

**LEGEND**

- 10 EXISTING MAJOR CONTOUR
- 10 EXISTING MINOR CONTOUR
- 10 PROPOSED MAJOR CONTOUR
- 9 PROPOSED MINOR CONTOUR
- 9 LIMIT OF EXISTING LINER
- LINER LIMIT
- LCRS MAINLINE
- LCRS LATERAL
- FLOWLINE
- TOP / TOE / GRADEBREAK

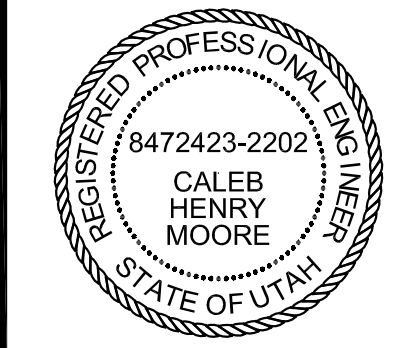


SEE SHEET  
C-401 FOR  
STOCKPILE  
PLAN

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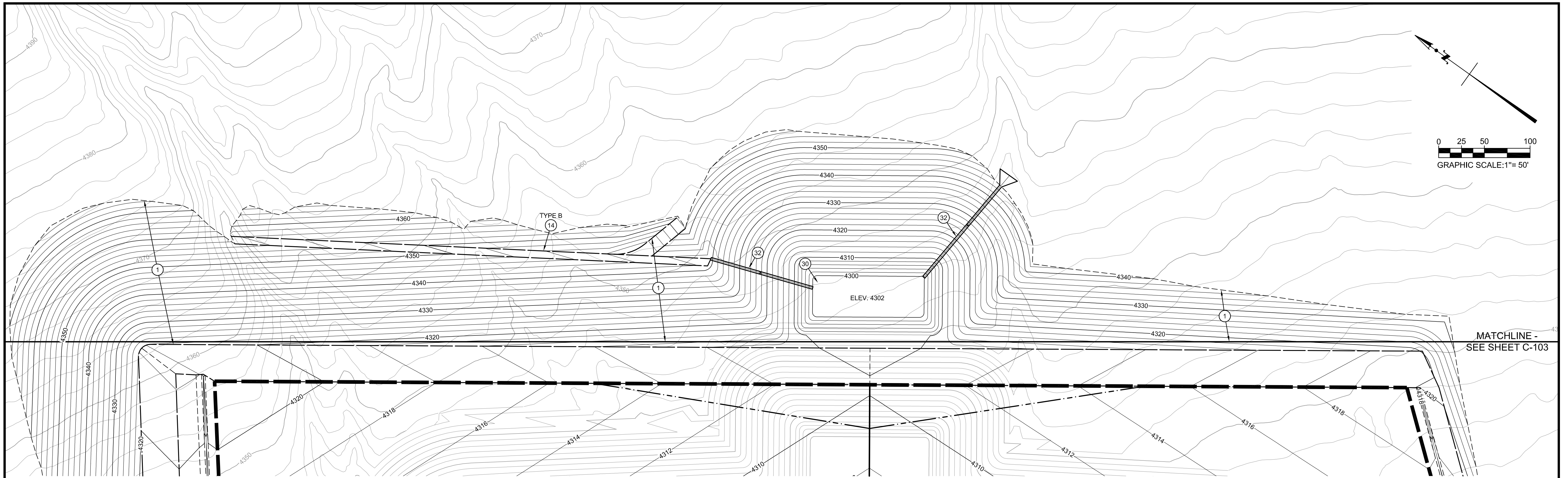
**TETRA TECH BAS**  
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PROMONTORY POINT, LLC			
<b>PHASE 1B EXCAVATION</b>			
DESIGNED BY: DLL	FILE: C-103 Phase 1B Excavation.dwg		
DRAWN BY: PV / ANP	DATE: 01-2017	SCALE: AS SHOWN	
CHECKED BY: GES	DATE: 01-2017	<b>C-103</b>	
APPROVED BY: CHM	DATE: 01-2017		

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**LEGEND**

- 10 ——— EXISTING MAJOR CONTOUR
- 10 ——— EXISTING MINOR CONTOUR
- 10 ——— PROPOSED MAJOR CONTOUR
- 9 ——— PROPOSED MINOR CONTOUR
- LIMIT OF EXISTING LINER
- LINER LIMIT
- LCRS MAINLINE
- LCRS LATERAL
- FLOWLINE
- TOP / TOE / GRADEBREAK

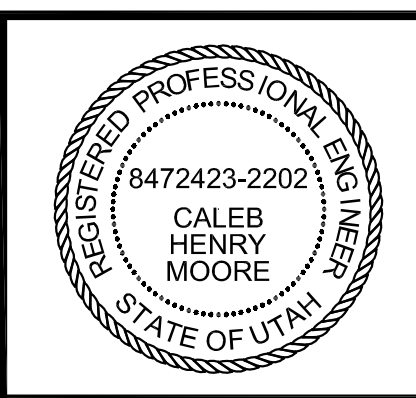
**CONSTRUCTION NOTES**

- ① EXCAVATE OR FILL TO GRADES SHOWN
- ③0 INSTALL STORMWATER PUMP

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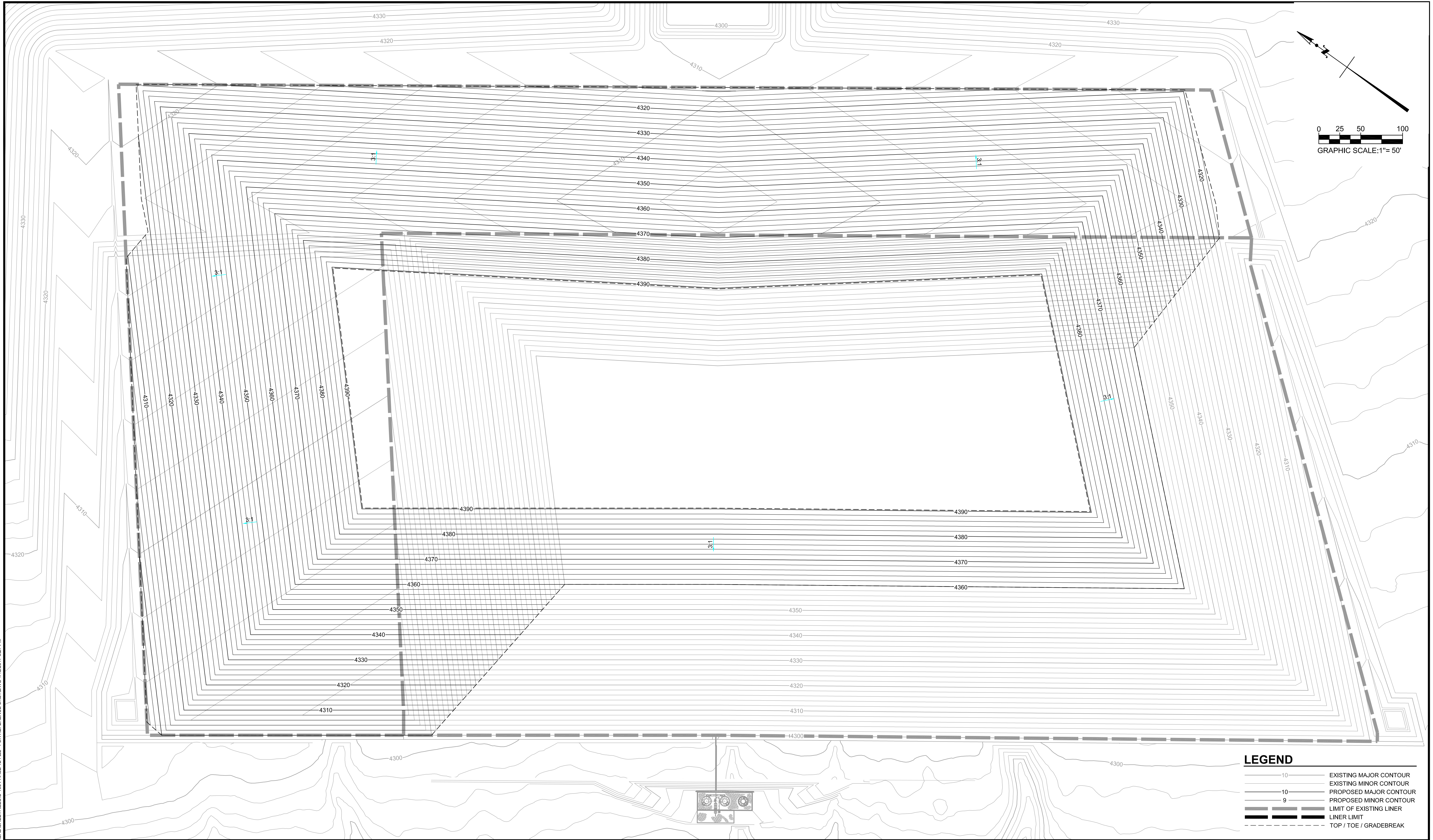
**TETRA TECH BAS**  
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PROMONTORY POINT, LLC		
<b>PHASE 1B EXCAVATION</b>		
DESIGNED BY: DLL	FILE: C-104 Phase 1B Excavation.dwg	
DRAWN BY: PV / ANP	DATE: 01-2017	SCALE: AS SHOWN
CHECKED BY: GES	DATE: 01-2017	<b>C-104</b>
APPROVED BY: CHM	DATE: 01-2017	

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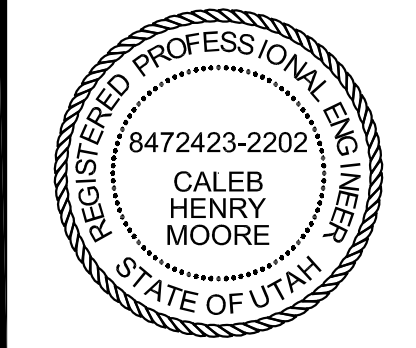
**LEGEND**

	10	EXISTING MAJOR CONTOUR
	10	EXISTING MINOR CONTOUR
	10	PROPOSED MAJOR CONTOUR
	9	PROPOSED MINOR CONTOUR
		LIMIT OF EXISTING LINER
		LINER LIMIT
		TOP / TOE / GRADEBREAK

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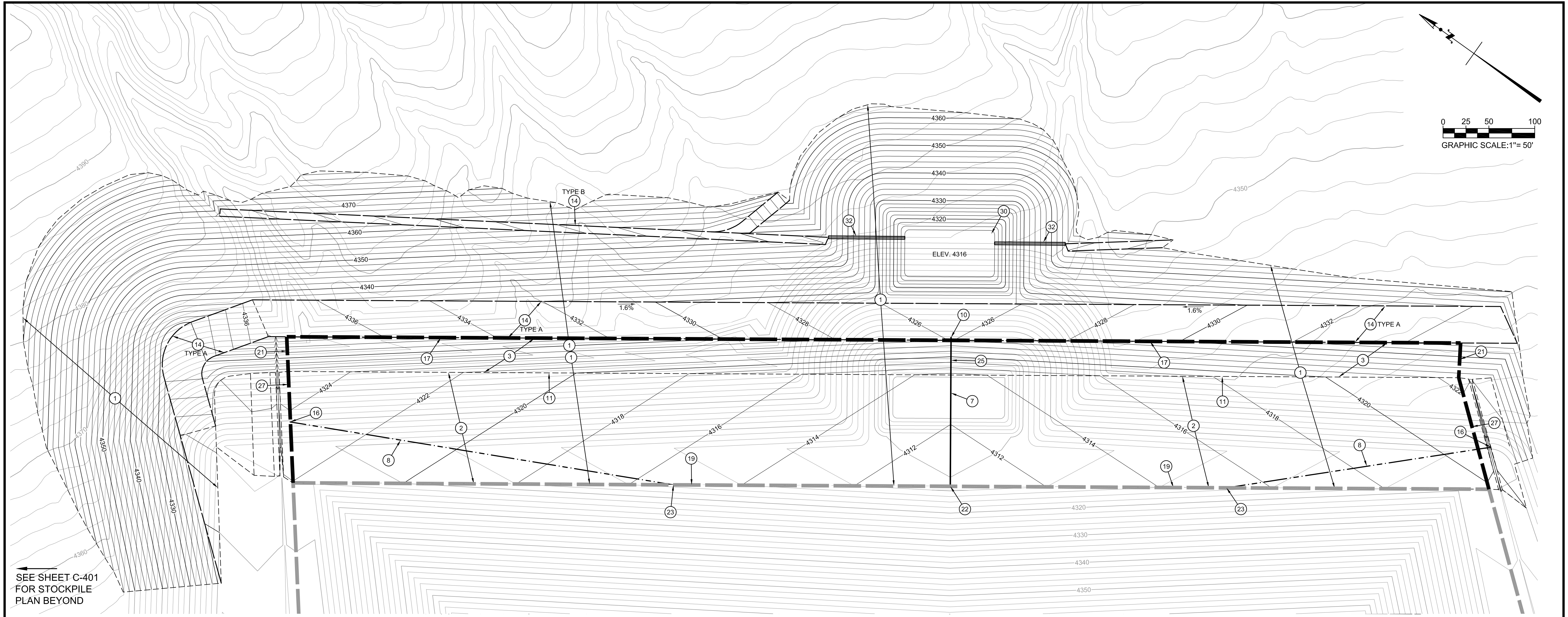
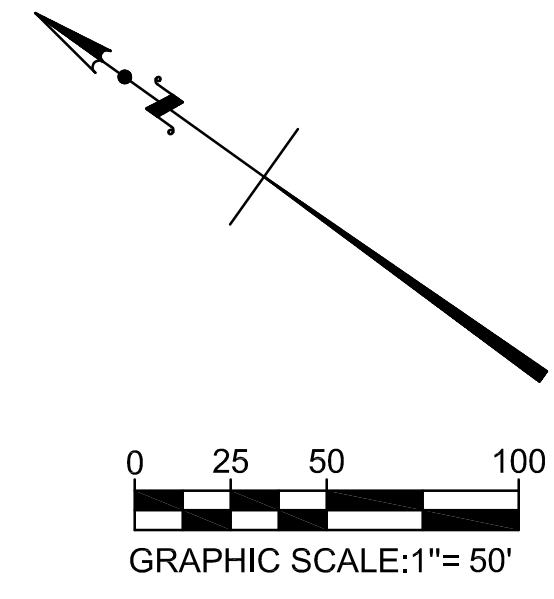

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PROMONTORY POINT, LLC		
<b>PHASE 1B FILL - FOR REFERENCE ONLY</b>		
DESIGNED BY: DLL	FILE: C-105 Phase 1B Fill - FOR REFERENCE ONLY.dwg	
DRAWN BY: PV / ANP	DATE: 01-2017	SCALE: AS SHOWN
CHECKED BY: GES	DATE: 01-2017	<b>C-105</b>
APPROVED BY: CHM	DATE: 01-2017	

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SEE SHEET C-401  
FOR STOCKPILE  
PLAN BEYOND

**LEGEND**

- 10 — EXISTING MAJOR CONTOUR
- 10 — EXISTING MINOR CONTOUR
- 10 — PROPOSED MAJOR CONTOUR
- 9 — PROPOSED MINOR CONTOUR
- — LIMIT OF EXISTING LINER
- — LINER LIMIT
- — LCRS MAINLINE
- — LCRS LATERAL
- — FLOWLINE
- - - - - TOP / TOE / GRADEBREAK

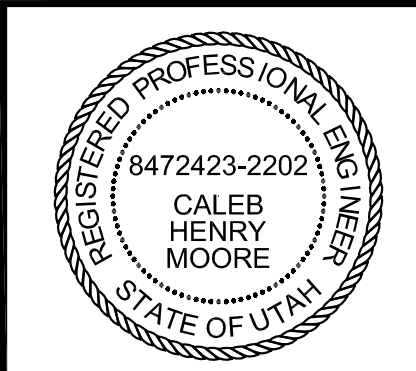
**CONSTRUCTION NOTES**

- ① EXCAVATE OR FILL TO GRADES SHOWN
- ② CONSTRUCT BASE LINER PER ② ③  
C-501 C-501
- ③ CONSTRUCT SLOPE LINER PER ④  
C-501
- ④ CONSTRUCT BASE LINER TERMINATION PER ② ③  
C-502 C-502
- ⑥ CONSTRUCT DIVERSION CHANNEL PER ⑨  
C-502
- ⑦ CONSTRUCT 6" PERFORATED LCRS MAINLINE PER ④ ⑤  
C-502 C-502
- ⑧ CONSTRUCT 6" PERFORATED LCRS LATERAL PER ④ ⑤  
C-502 C-502
- ⑩ CONSTRUCT 6" LCRS MAINLINE AT TOP OF SLOPE PER ④  
C-504
- ⑪ CONSTRUCT TOE LINER TRANSITION PER ③ ④  
C-505 C-505
- ⑭ CONSTRUCT DRAINAGE BENCH PER ⑤  
C-501
- ⑯ PLACE TEMPORARY CAP ON LCRS PIPING
- ⑰ CONSTRUCT TOP OF SLOPE LINER TERMINATION PER ①  
C-504
- ⑲ CONSTRUCT BASE LINER JOIN PER ③ ⑥  
C-504 C-504
- ⑳ CONSTRUCT SLOPE LINER TERMINATION PER ⑨  
C-504
- ㉒ JOIN 6" LCRS MAINLINE
- ㉓ JOIN 6" PERFORATED LCRS LATERAL
- ㉕ CONSTRUCT 6" SOLID HDPE PIPE ① ②  
C-505 C-505
- ㉗ TEMPORARY LINER TERMINATION PER
- ㉘ INSTALL STORMWATER PUMP

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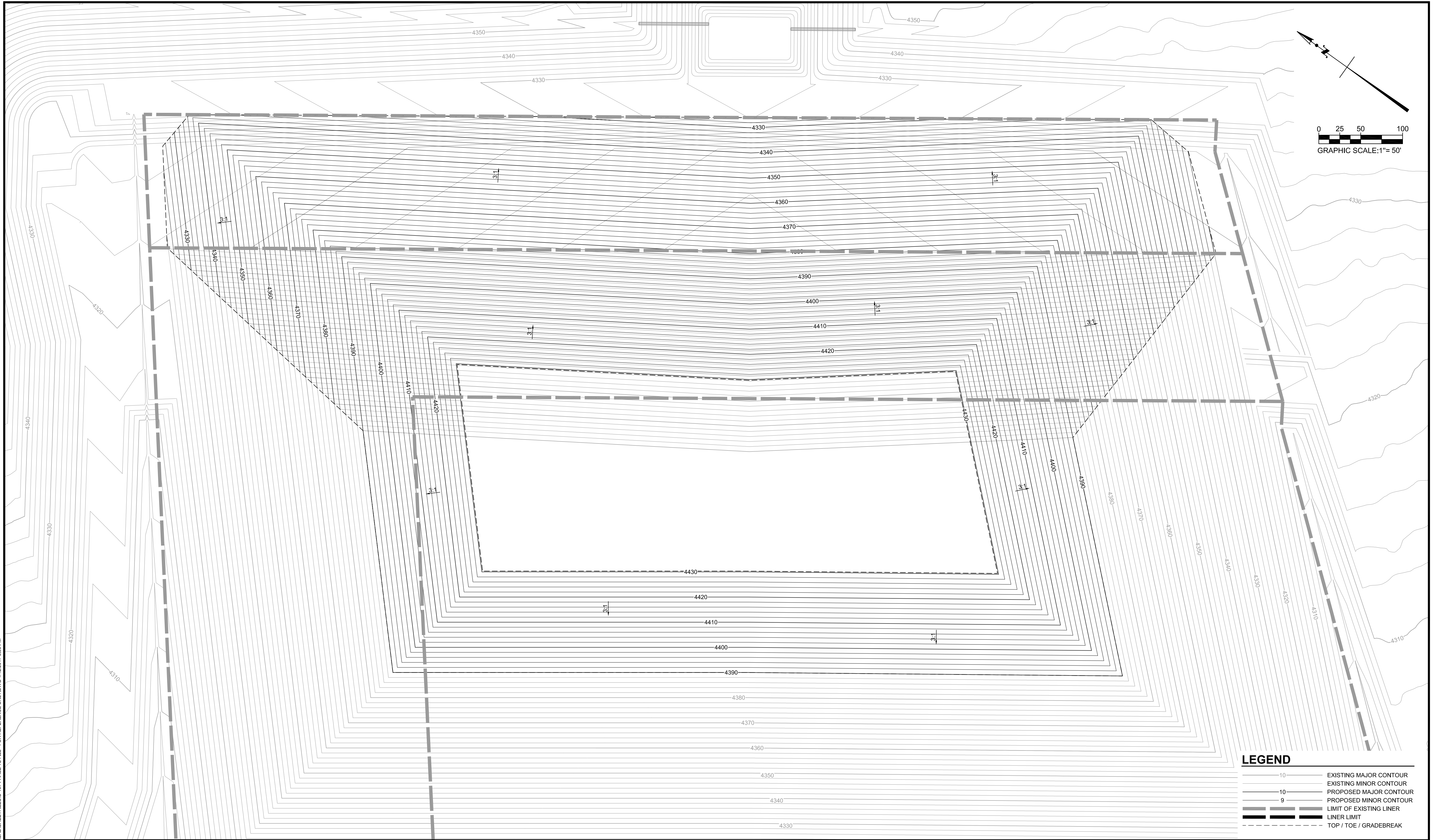
**TETRA TECH BAS**  
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PROMONTORY POINT, LLC		
<b>PHASE 1C EXCAVATION</b>		
DESIGNED BY: DLL	FILE: C-106 Phase 1C Excavation.dwg	
DRAWN BY: PV / ANP	DATE: 01-2017	SCALE: AS SHOWN
CHECKED BY: GES	DATE: 01-2017	C-106
APPROVED BY: CHM	DATE: 01-2017	

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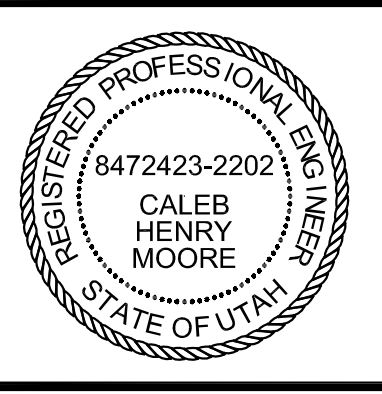
**LEGEND**

— 10 —	EXISTING MAJOR CONTOUR
— 10 —	EXISTING MINOR CONTOUR
— 10 —	PROPOSED MAJOR CONTOUR
— 9 —	PROPOSED MINOR CONTOUR
---	LIMIT OF EXISTING LINER
---	LINER LIMIT
---	TOP / TOE / GRADEBREAK

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**TETRA TECH BAS**  
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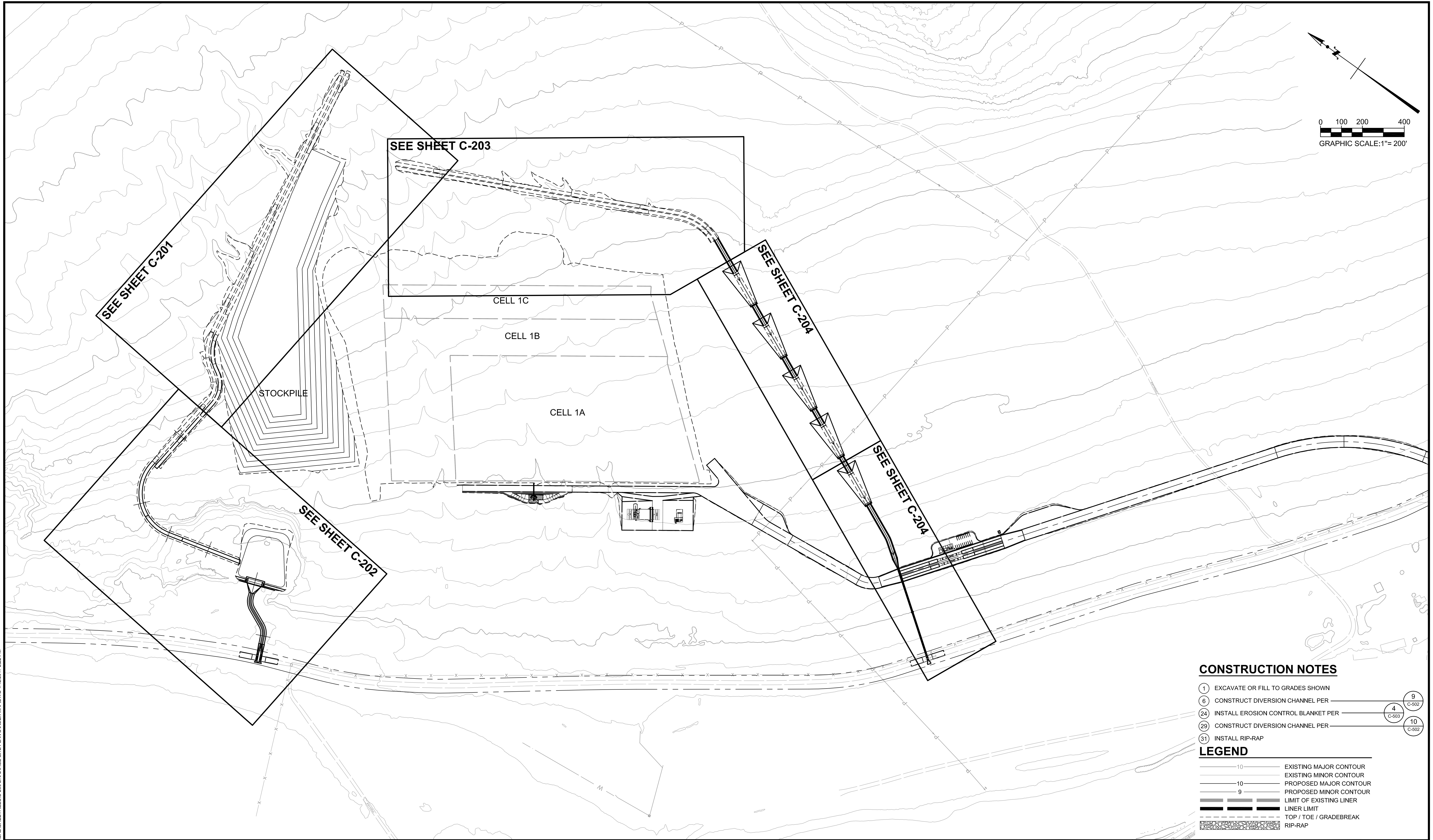
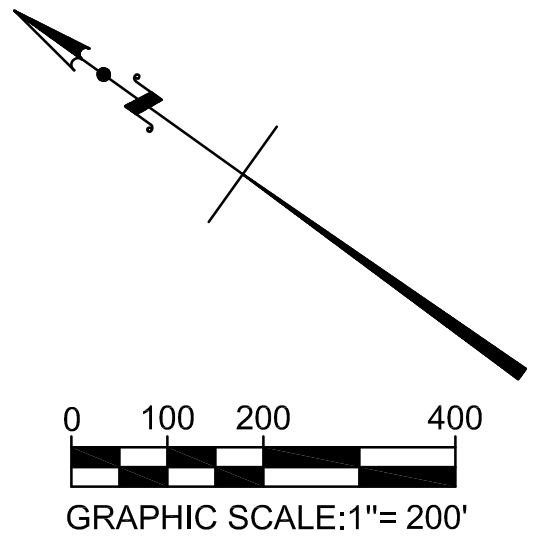
PROMONTORY POINT, LLC		
<b>PHASE 1C FILL - FOR REFERENCE ONLY</b>		
DESIGNED BY: DLL	FILE: C-107 Phase 1C Fill - FOR REFERENCE ONLY.dwg	
DRAWN BY: PV / ANP	DATE: 01-2017	SCALE: AS SHOWN
CHECKED BY: GES	DATE: 01-2017	<b>C-107</b>
APPROVED BY: CHM	DATE: 01-2017	

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**CONSTRUCTION NOTES**

- 1 EXCAVATE OR FILL TO GRADES SHOWN
- 6 CONSTRUCT DIVERSION CHANNEL PER 9  
C-502
- 24 INSTALL EROSION CONTROL BLANKET PER 4  
C-503
- 29 CONSTRUCT DIVERSION CHANNEL PER 10  
C-502
- 31 INSTALL RIP-RAP

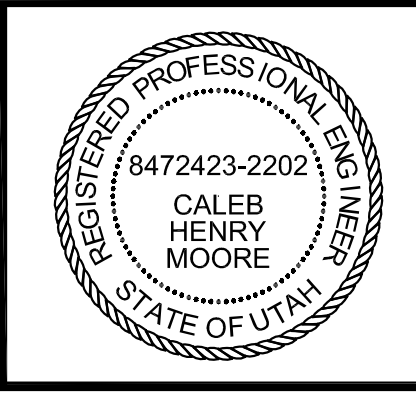
**LEGEND**

- 10 EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- 10 PROPOSED MAJOR CONTOUR
- 9 PROPOSED MINOR CONTOUR
- LIMIT OF EXISTING LINER
- LINER LIMIT
- TOP / TOE / GRADEBREAK
- RIP-RAP

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 TEL 909.860.7777 FAX 909.860.8017



PROMONTORY POINT, LLC

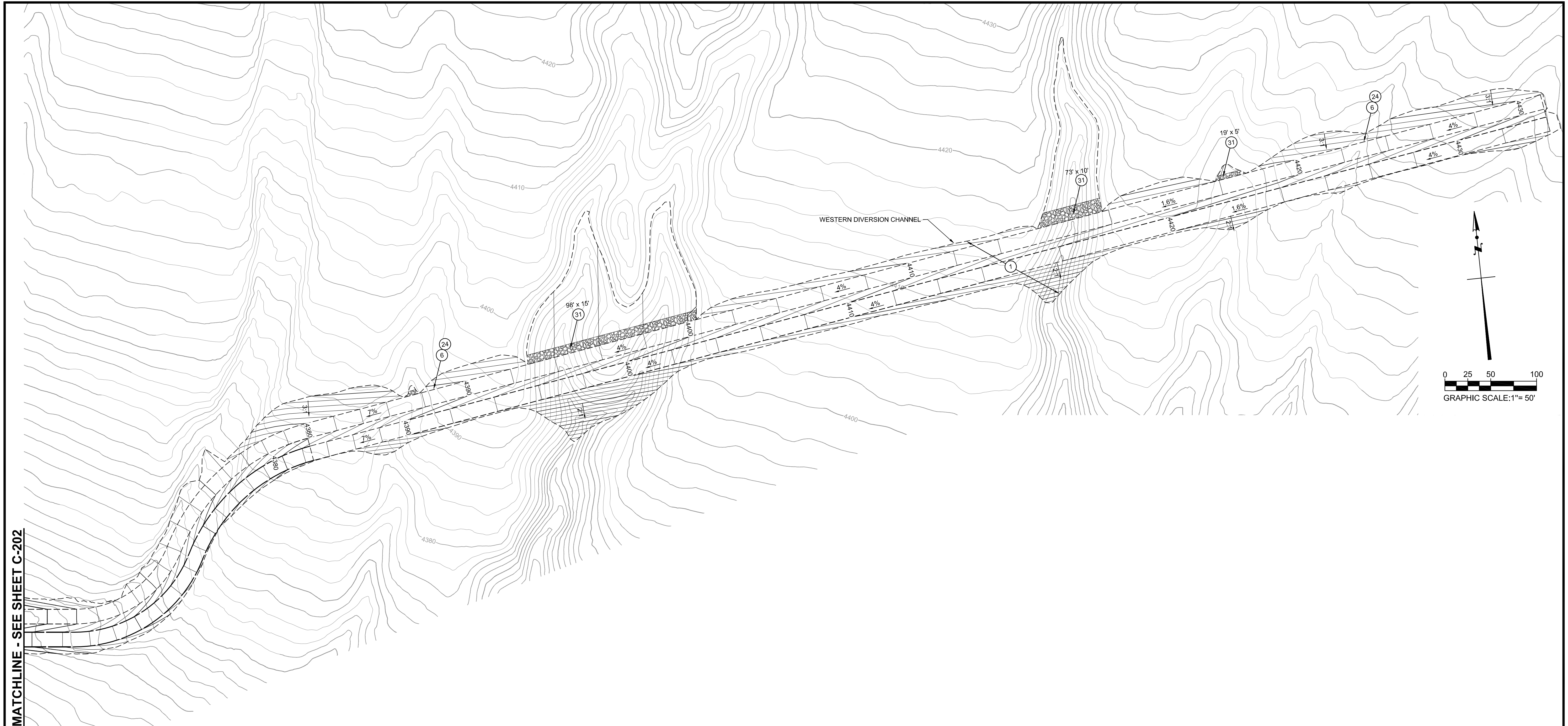
**DRAINAGE SITE PLAN & INDEX MAP**

DESIGNED BY: DLL	FILE: C-200 Drainage Site Plan & Index Map.dwg
DRAWN BY: PV / ANP	DATE: 01-2017 SCALE: AS SHOWN
CHECKED BY: GES	DATE: 01-2017
APPROVED BY: CHM	DATE: 01-2017

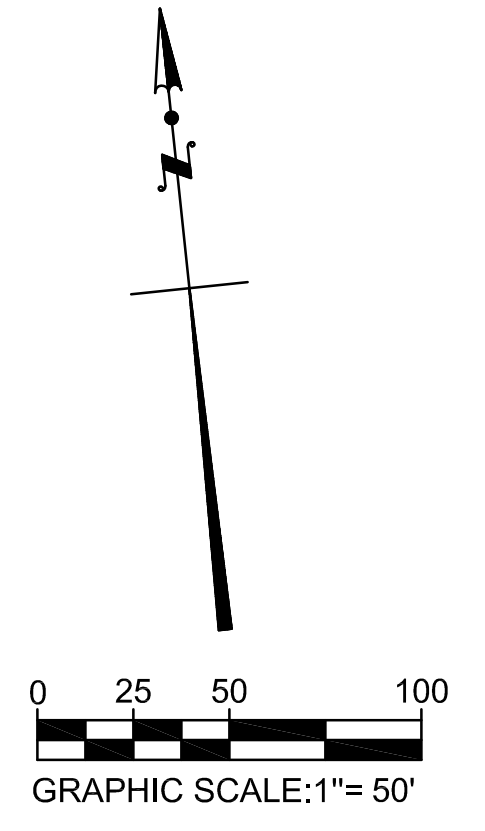
C-200

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MATCHLINE - SEE SHEET C-202



SEE SHEET C-101 FOR  
 ↓ PHASE 1A EXCAVATION BEYOND

**CONSTRUCTION NOTES**

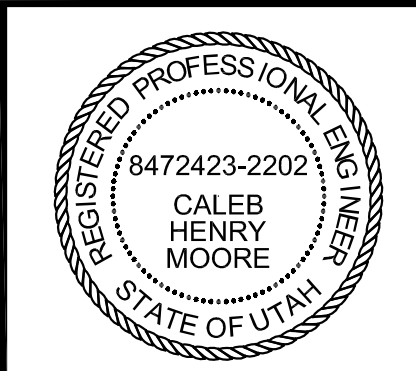
- ① EXCAVATE OR FILL TO GRADES SHOWN
- ⑥ CONSTRUCT DIVERSION CHANNEL PER ⑨  
C-502
- ②④ INSTALL EROSION CONTROL BLANKET PER ④  
C-503
- ②⑨ CONSTRUCT DIVERSION CHANNEL PER ⑩  
C-502
- ③① INSTALL RIP-RAP

**LEGEND**

- 10 — EXISTING MAJOR CONTOUR
- — — EXISTING MINOR CONTOUR
- 10 — PROPOSED MAJOR CONTOUR
- 9 — PROPOSED MINOR CONTOUR
- ▬▬▬ LIMIT OF EXISTING LINER
- ▬▬▬ LINER LIMIT
- ▬▬▬ TOP / TOE / GRADEBREAK
- ▬▬▬ RIP-RAP

NO.	REVISION DESCRIPTION	BY:

**TETRA TECH BAS**  
 1360 Valley Vista Drive, Diamond Bar, CA 91765  
 TEL 909.860.7777 FAX 909.860.8017



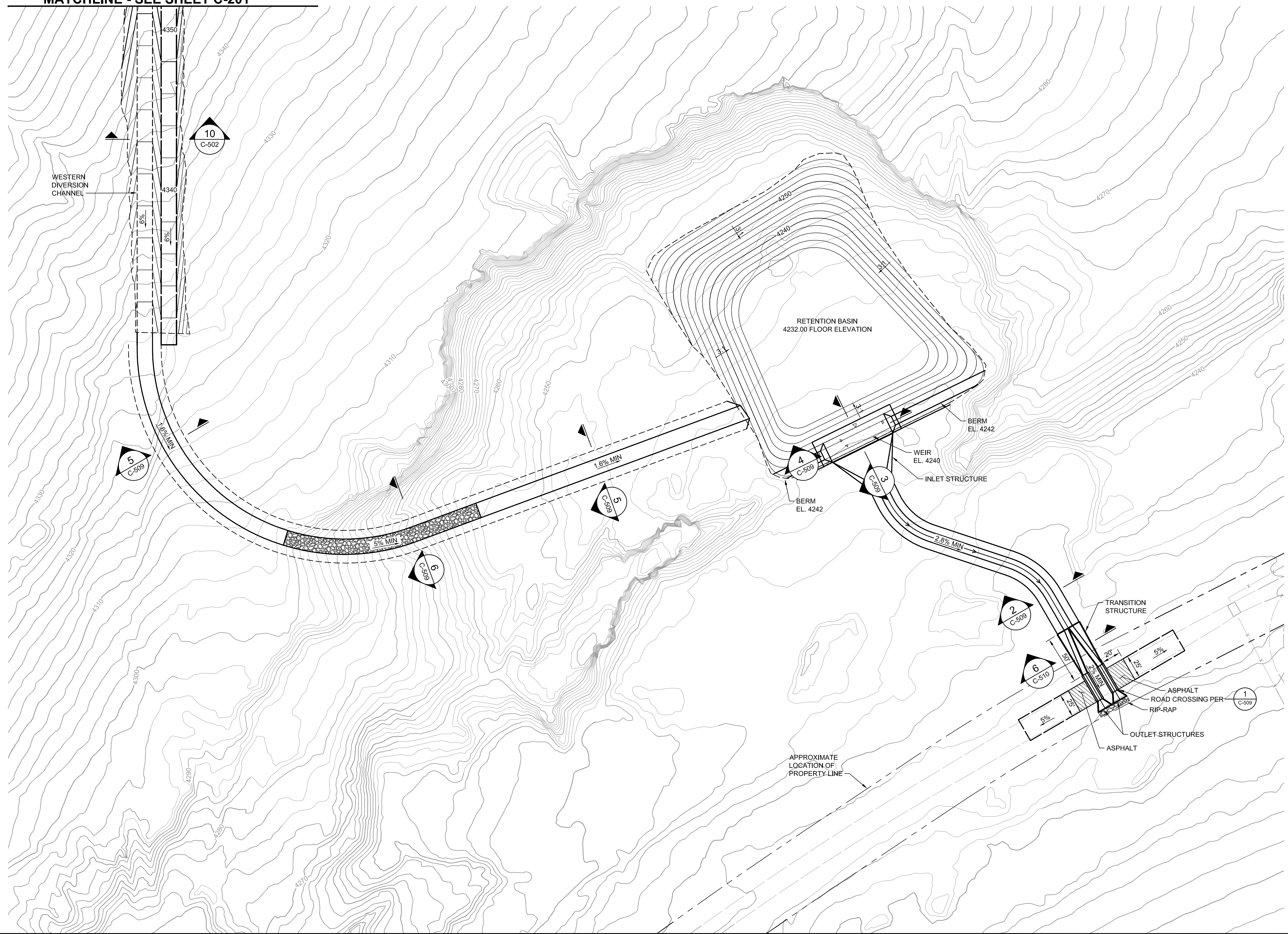
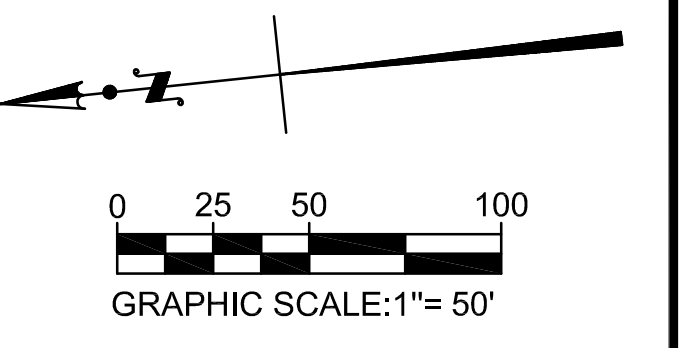
PROMONTORY POINT, LLC		
<b>WESTERN DRAINAGE PLAN</b>		
DESIGNED BY: DLL	FILE: C-201 Western Drainage Plan.dwg	
DRAWN BY: PV / ANP	DATE: 01-2017	SCALE: AS SHOWN
CHECKED BY: GES	DATE: 01-2017	<b>C-201</b>
APPROVED BY: CHM	DATE: 01-2017	

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MATCHLINE - SEE SHEET C-201



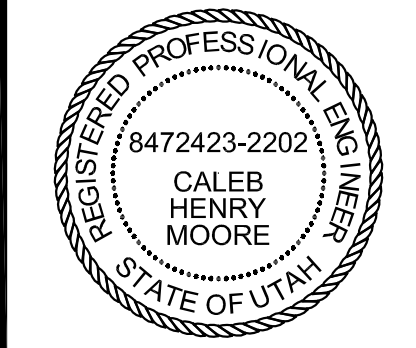
**LEGEND**

	10	EXISTING MAJOR CONTOUR
	10	EXISTING MINOR CONTOUR
	10	PROPOSED MAJOR CONTOUR
	9	PROPOSED MINOR CONTOUR
		LIMIT OF EXISTING LINER
		LINER LIMIT
		TOP / TOE / GRADEBREAK
		RIP-RAP

P:\PROM PT LLO\FROM PT LFC\CELL 1\CAD\SHEETFILES\C-202 WESTERN DRAINAGE PLAN.DWG 11/22/2017 2:23 PM

NO.	REVISION DESCRIPTION	BY:

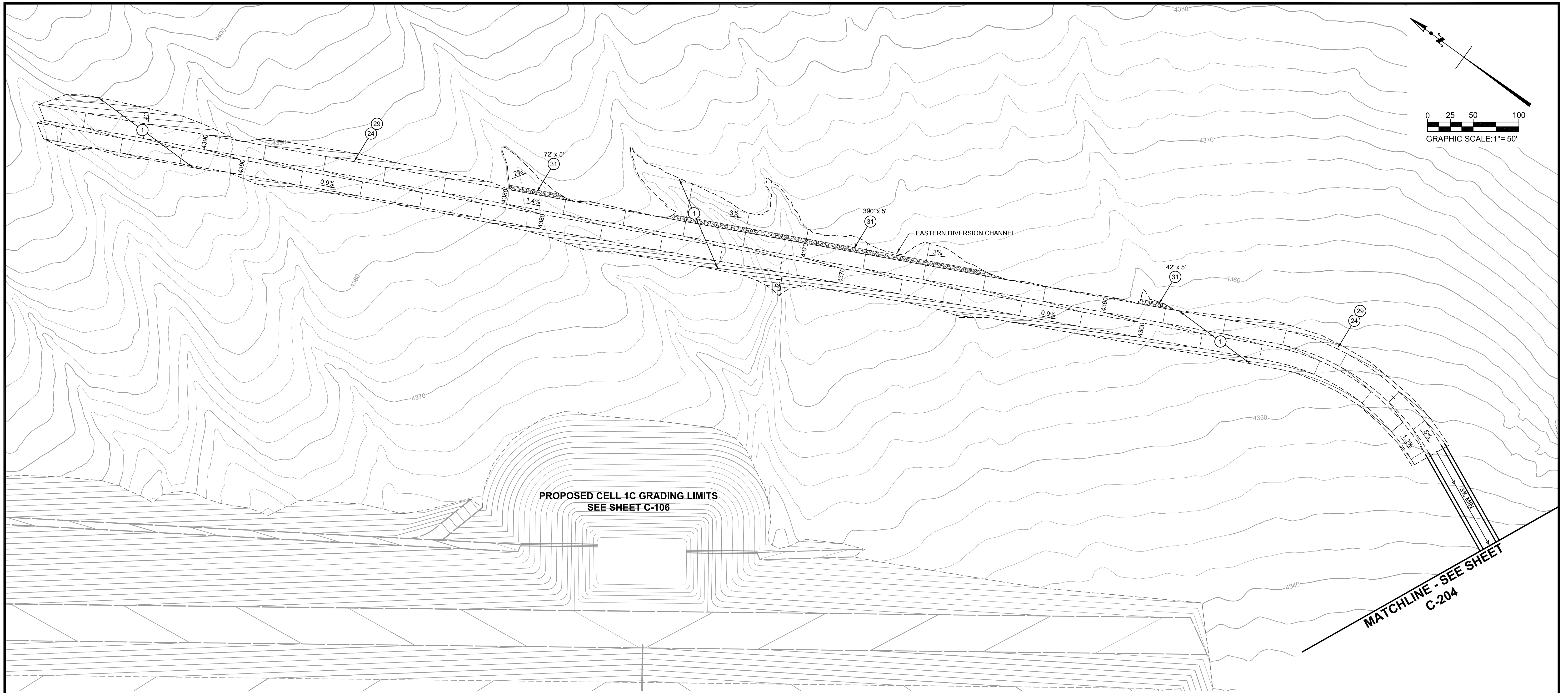
**TETRA TECH BAS**  
 1360 Valley Vista Drive, Diamond Bar, CA 91765  
 TEL 909.860.7777 FAX 909.860.8017



PROMONTORY POINT, LLC		
<b>WESTERN DRAINAGE PLAN</b>		
DESIGNED BY: DLL	FILE: C-202 Western Drainage Plan.dwg	
DRAWN BY: PV / ANP	DATE: 01-2017	SCALE: AS SHOWN
CHECKED BY: GES	DATE: 01-2017	<b>C-202</b>
APPROVED BY: CHM	DATE: 01-2017	

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**CONSTRUCTION NOTES**

- ① EXCAVATE OR FILL TO GRADES SHOWN
- ⑥ CONSTRUCT DIVERSION CHANNEL PER \_\_\_\_\_ ⑨ C-502
- ②④ INSTALL EROSION CONTROL BLANKET PER \_\_\_\_\_ ④ C-503
- ②⑨ CONSTRUCT DIVERSION CHANNEL PER \_\_\_\_\_ ⑩ C-502
- ③① INSTALL RIP-RAP

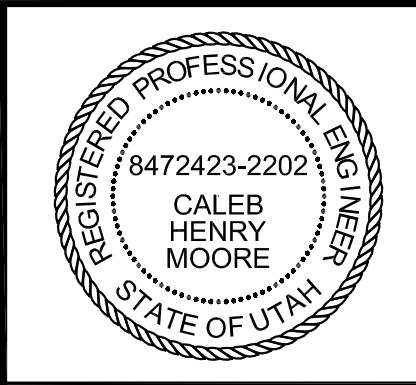
**LEGEND**

- 10 — EXISTING MAJOR CONTOUR
- — — EXISTING MINOR CONTOUR
- 10 — PROPOSED MAJOR CONTOUR
- 9 — PROPOSED MINOR CONTOUR
- — — LIMIT OF EXISTING LINER
- — — LINER LIMIT
- — — TOP / TOE / GRADEBREAK
- ▨ RIP-RAP

P:\PROM PT LLO\PROM PT LFC\CELL 1\CAD\SHSHEET\C-203 EASTERN DRAINAGE PLAN.DWG 11/22/2017 2:24 PM

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**TETRA TECH BAS**  
 1360 Valley Vista Drive, Diamond Bar, CA 91765  
 TEL 909.860.7777 FAX 909.860.8017



PROMONTORY POINT, LLC

**EASTERN DRAINAGE PLAN**

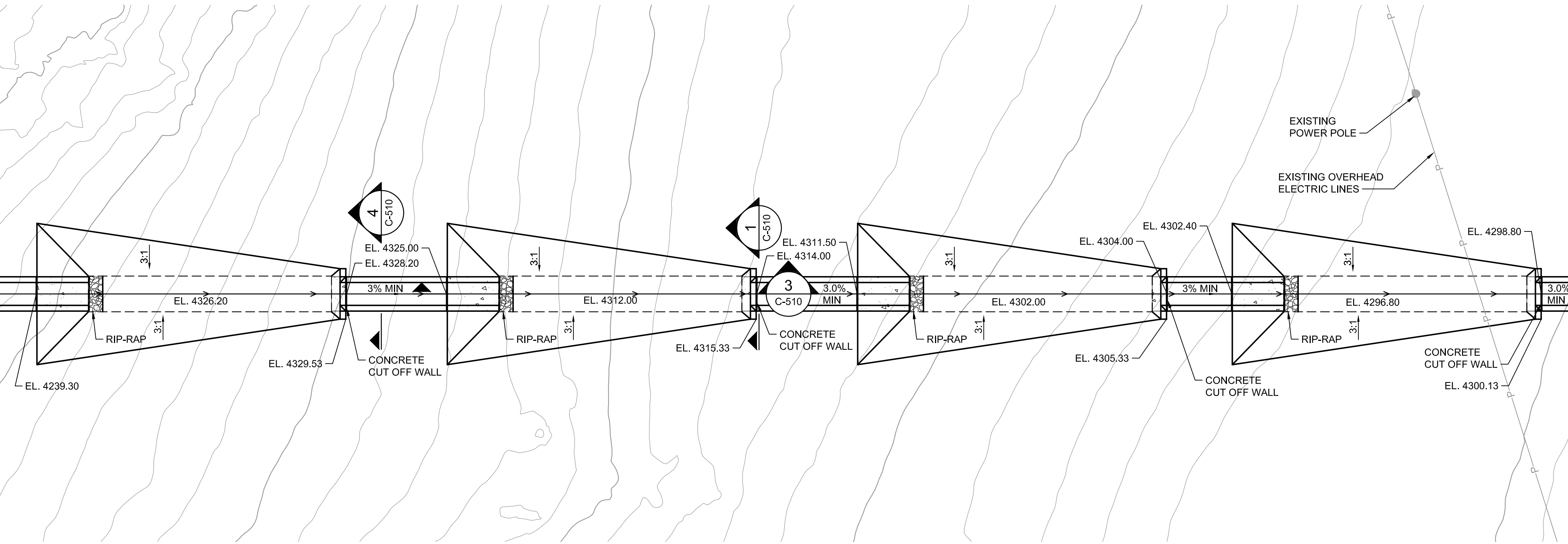
DESIGNED BY: DLL	FILE: C-203 Eastern Drainage Plan.dwg
DRAWN BY: PV / ANP	DATE: 01-2017 SCALE: AS SHOWN
CHECKED BY: GES	DATE: 01-2017
APPROVED BY: CHM	DATE: 01-2017

C-203

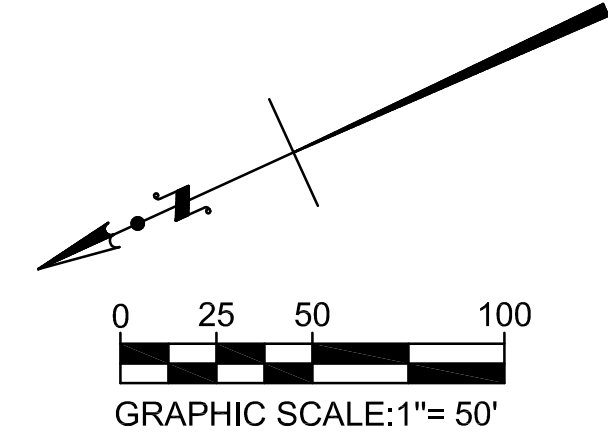
FOR PERMIT PURPOSES ONLY - NOT FOR CONSTRUCTION



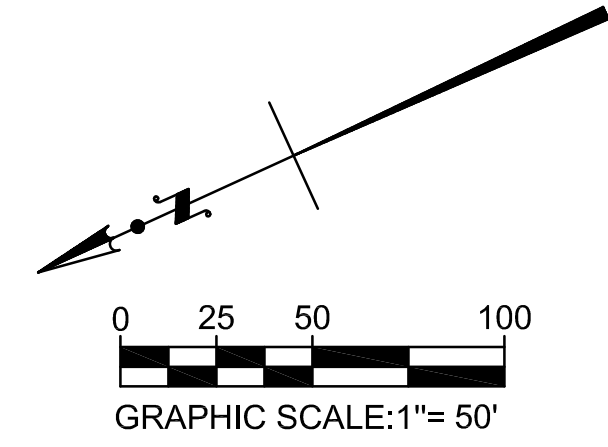
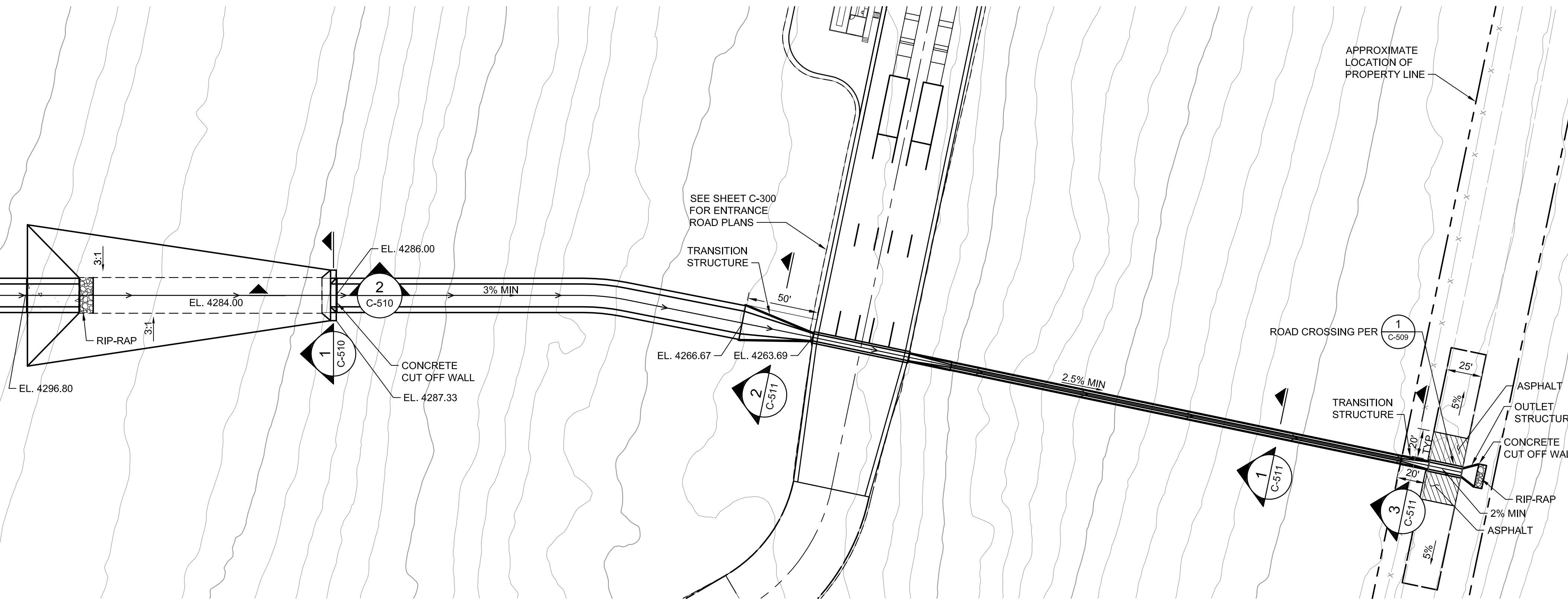
MATCHLINE - SEE SHEET C-203



MATCHLINE - SEE BELOW LEFT



MATCHLINE - SEE ABOVE RIGHT

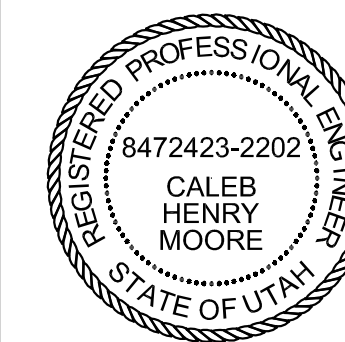


**LEGEND**

- 10 — EXISTING MAJOR CONTOUR
- 10 — EXISTING MINOR CONTOUR
- 10 — PROPOSED MAJOR CONTOUR
- 9 — PROPOSED MINOR CONTOUR
- — LIMIT OF EXISTING LINER
- — LINER LIMIT
- — TOP / TOE / GRADEBREAK
- — RIP-RAP

NO.	REVISION DESCRIPTION	BY:

**TETRA TECH BAS**  
 1360 Valley Vista Drive, Diamond Bar, CA 91765  
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PROMONTORY POINT, LLC

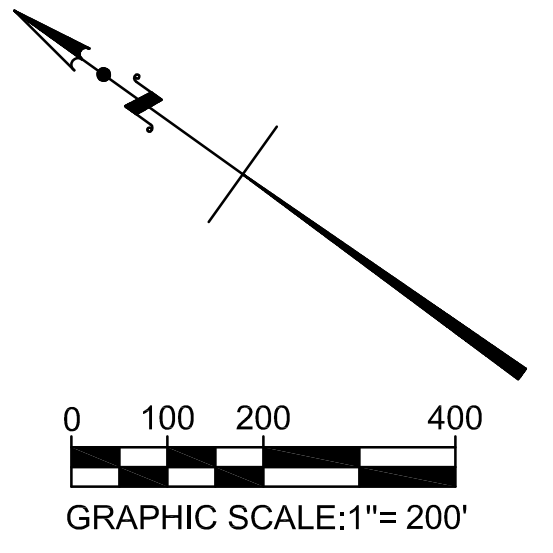
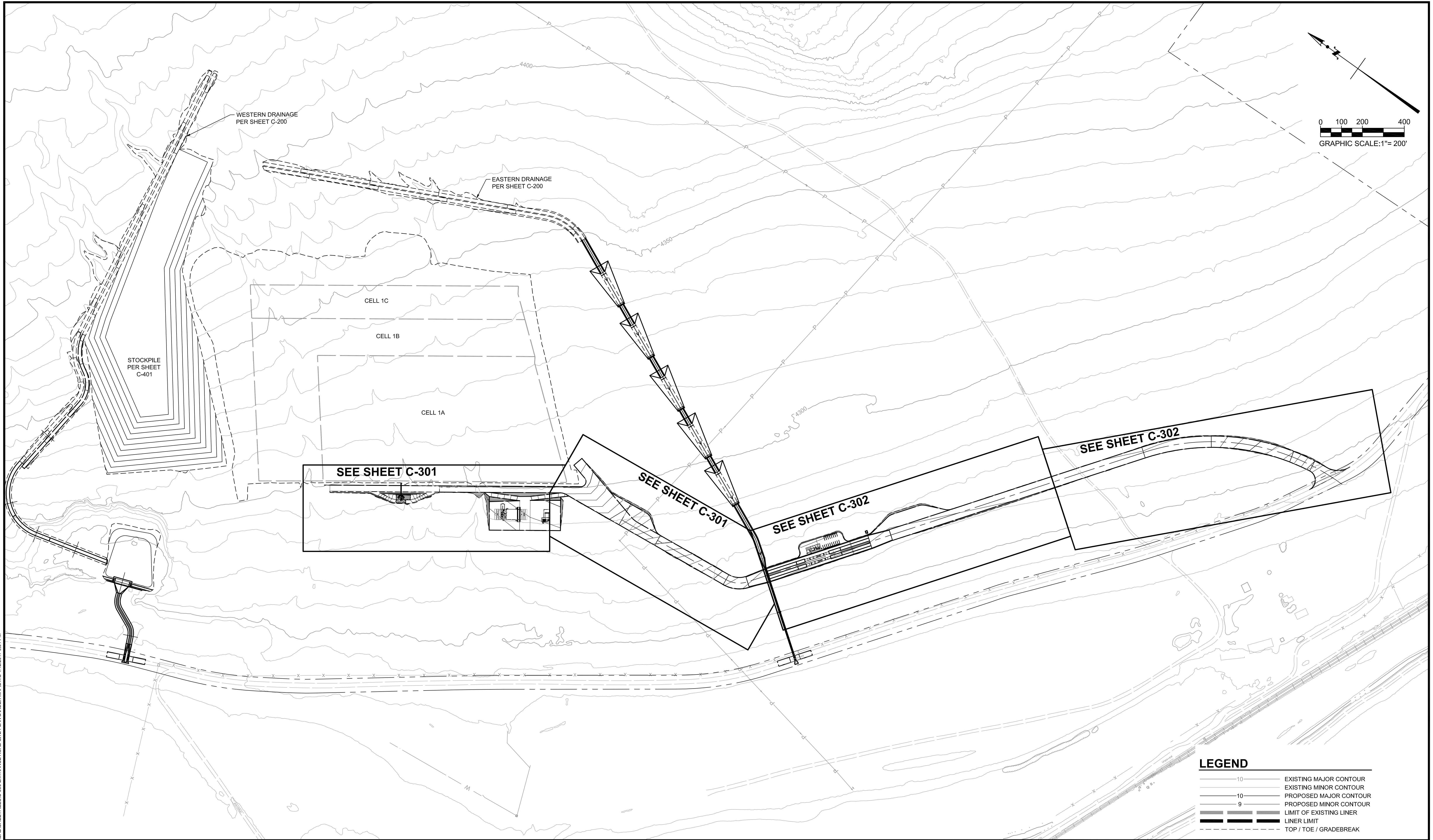
**EASTERN DRAINAGE PLAN**

DESIGNED BY: DLL	FILE: C-204 Eastern Drainage Plan.dwg
DRAWN BY: PV / ANP	DATE: 01-2017 SCALE: AS SHOWN
CHECKED BY: GES	DATE: 01-2017
APPROVED BY: CHM	DATE: 01-2017

**C-204**

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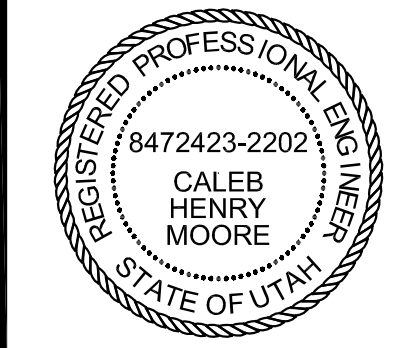
**LEGEND**

10	EXISTING MAJOR CONTOUR
10	EXISTING MINOR CONTOUR
10	PROPOSED MAJOR CONTOUR
9	PROPOSED MINOR CONTOUR
---	LIMIT OF EXISTING LINER
---	LINER LIMIT
---	TOP / TOE / GRADEBREAK

P:\PROM PT LLO\PROJ\PT LFC\CELL 1\CADD\SHEET\C-300 ENTRANCE ROAD SITE PLAN & INDEX MAP.DWG, 1/22/2017 3:01 PM

NO.	REVISION DESCRIPTION	BY:

**TETRA TECH BAS**  
 1360 Valley Vista Drive, Diamond Bar, CA 91765  
 TEL 909.860.7777 FAX 909.860.8017



PROMONTORY POINT, LLC

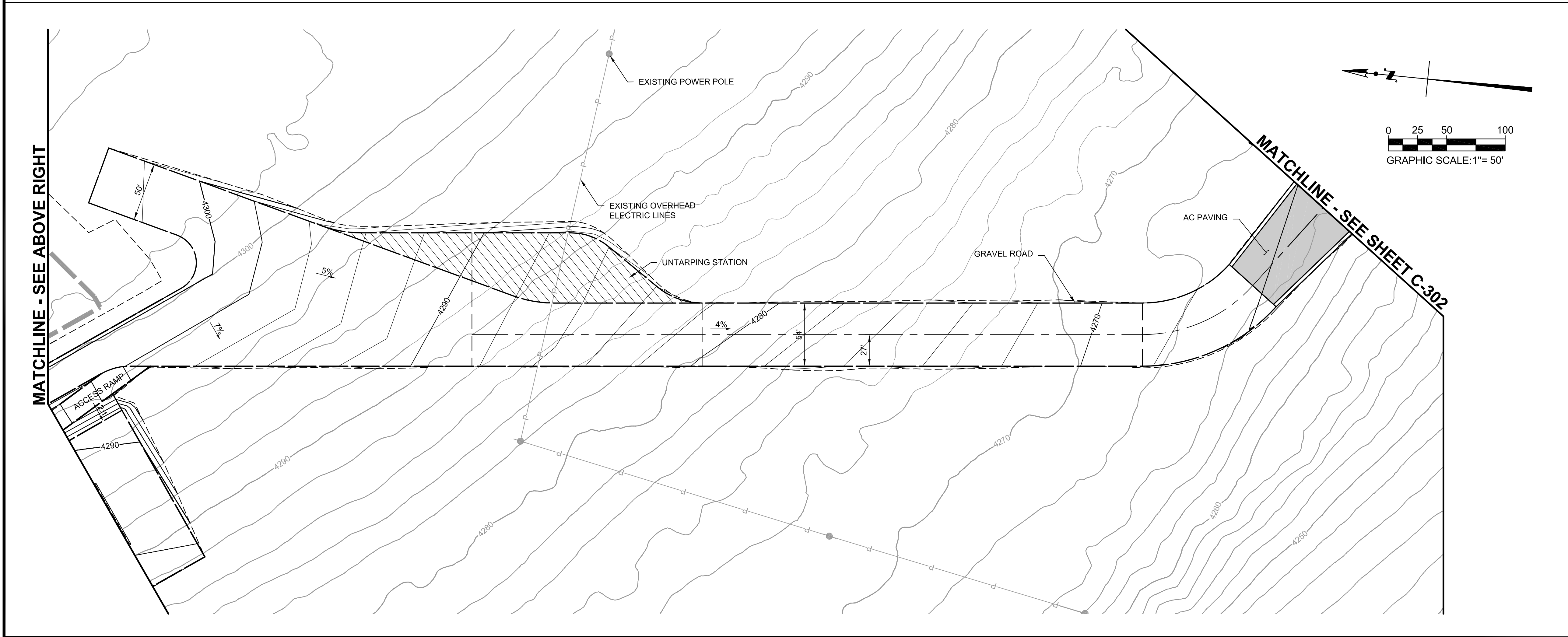
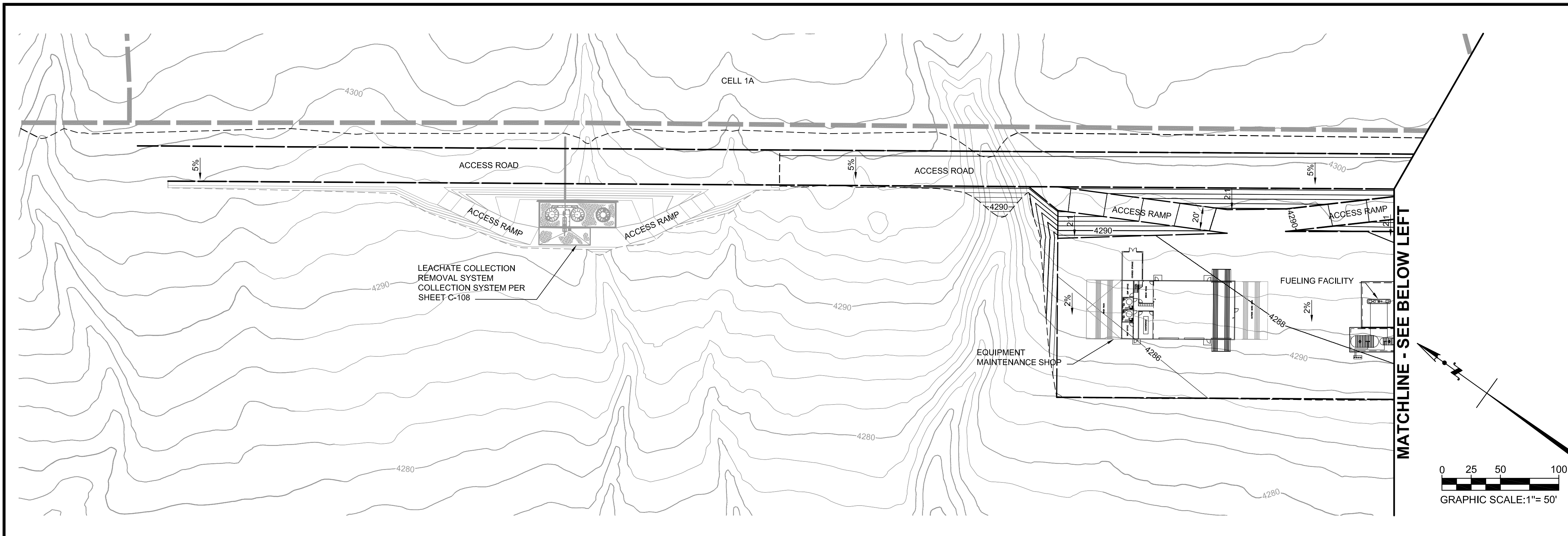
**ENTRANCE ROAD SITE PLAN & INDEX MAP**

DESIGNED BY: DLL	FILE: C-300 Entrance Road Site Plan & Index Map.dwg
DRAWN BY: PV / ANP	DATE: 01-2017 SCALE: AS SHOWN
CHECKED BY: GES	DATE: 01-2017
APPROVED BY: CHM	DATE: 01-2017

**C-300**

**FOR PERMIT PURPOSES ONLY - NOT FOR CONSTRUCTION**





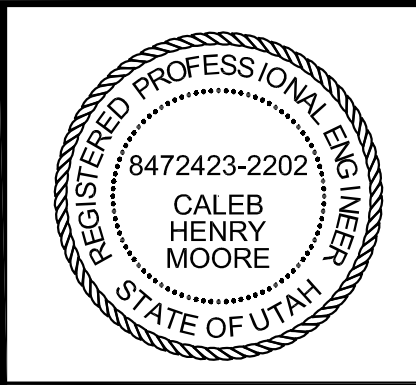
**LEGEND**

- 10 EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- 10 PROPOSED MAJOR CONTOUR
- 9 PROPOSED MINOR CONTOUR
- LIMIT OF EXISTING LINER
- LINER LIMIT
- TOP / TOE / GRADEBREAK
- RIP-RAP
- AC PAVING

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NO.	REVISION DESCRIPTION	BY:

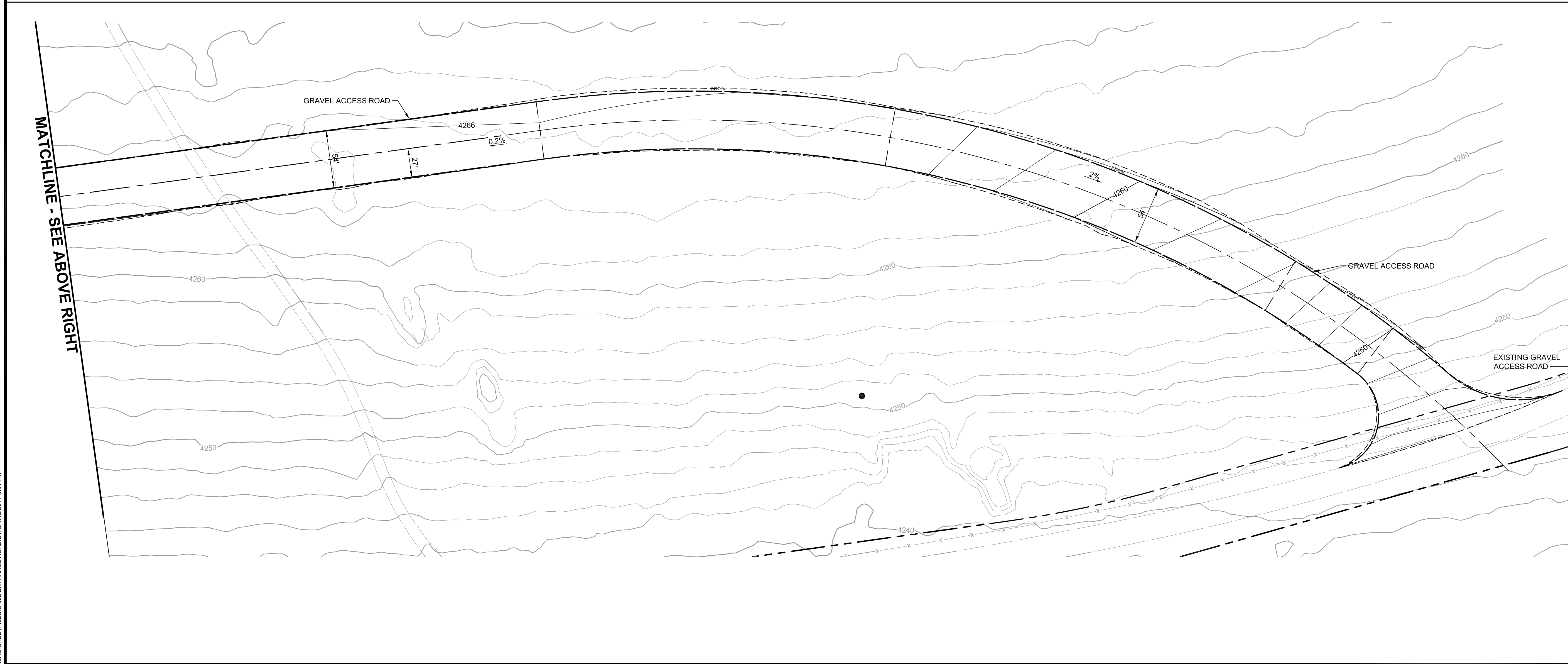
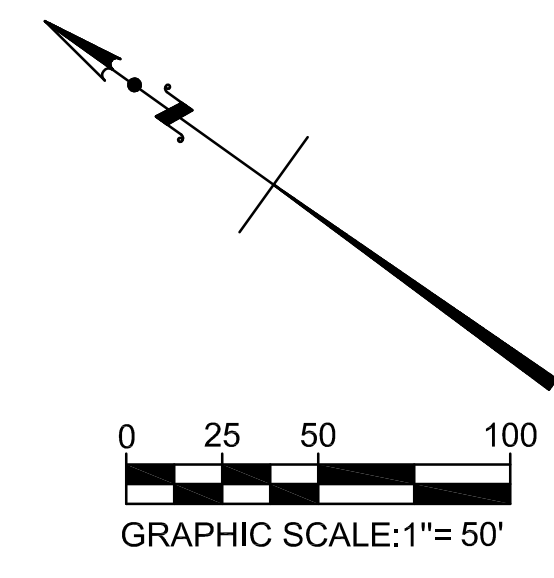
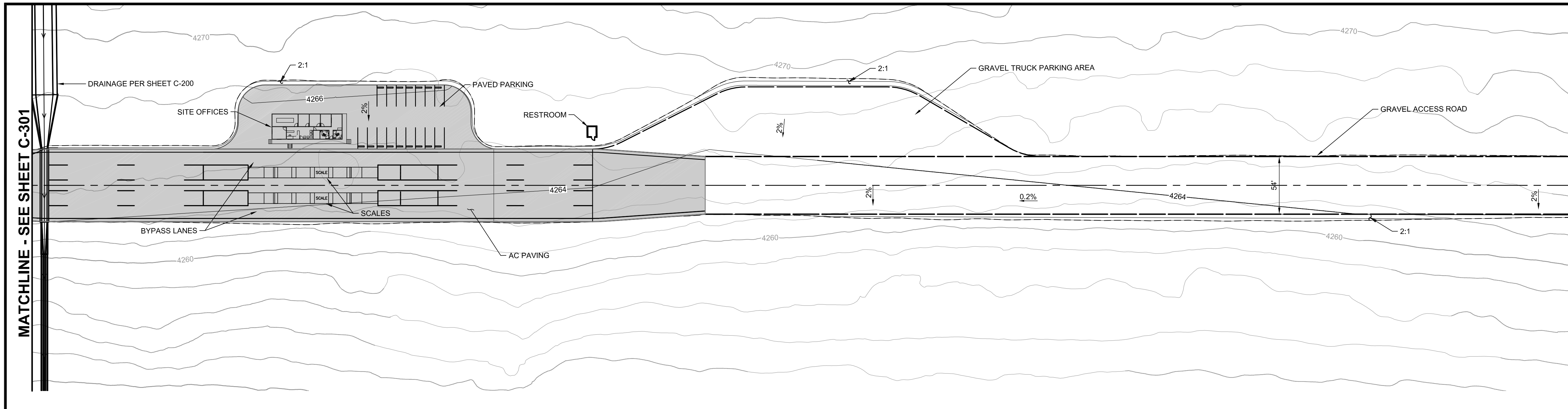
**TETRA TECH BAS**  
 1360 Valley Vista Drive, Diamond Bar, CA 91765  
 TEL 909.860.7777 FAX 909.860.8017



PROMONTORY POINT, LLC		
<b>ENTRANCE ROAD</b>		
DESIGNED BY: DLL	FILE: C-301 Entrance Road.dwg	SCALE: AS SHOWN
DRAWN BY: PV / ANP	DATE: 01-2017	<b>C-301</b>
CHECKED BY: GES	DATE: 01-2017	
APPROVED BY: CHM	DATE: 01-2017	

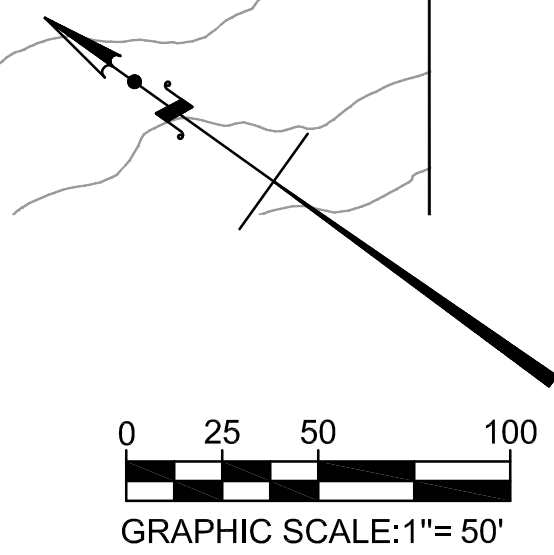
**FOR PERMIT PURPOSES ONLY - NOT FOR CONSTRUCTION**





**LEGEND**

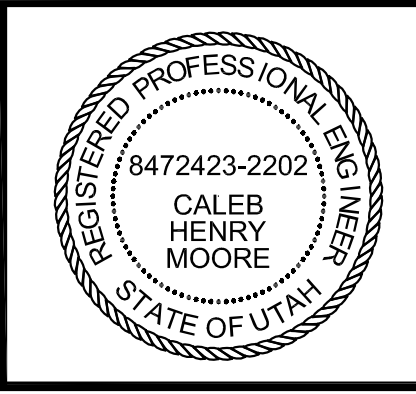
- 10 EXISTING MAJOR CONTOUR
- 10 EXISTING MINOR CONTOUR
- 10 PROPOSED MAJOR CONTOUR
- 9 PROPOSED MINOR CONTOUR
- LIMIT OF EXISTING LINER
- LINER LIMIT
- TOP / TOE / GRADEBREAK
- RIP-RAP
- AC PAVING



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NO.	REVISION DESCRIPTION	BY:

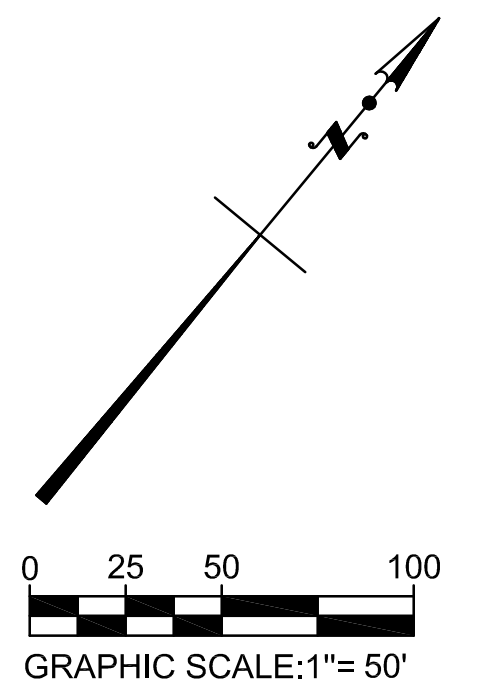
**TETRA TECH BAS**  
 1360 Valley Vista Drive, Diamond Bar, CA 91765  
 TEL 909.860.7777 FAX 909.860.8017



PROMONTORY POINT, LLC		
<b>ENTRANCE ROAD</b>		
DESIGNED BY: DLL	FILE: C-302 Entrance Road.dwg	
DRAWN BY: PV / ANP	DATE: 01-2017	SCALE: AS SHOWN
CHECKED BY: GES	DATE: 01-2017	<b>C-302</b>
APPROVED BY: CHM	DATE: 01-2017	

**FOR PERMIT PURPOSES ONLY - NOT FOR CONSTRUCTION**



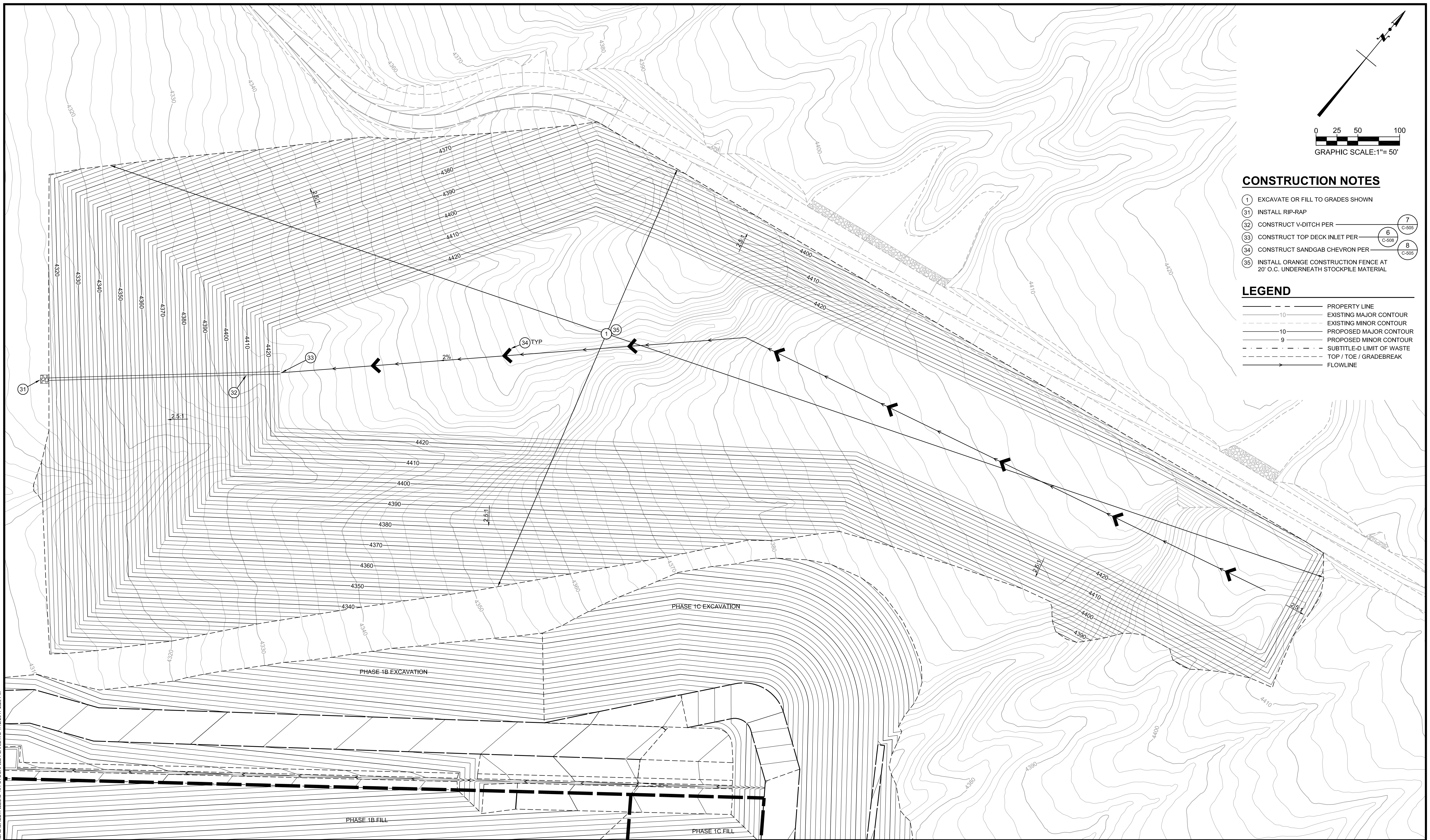


**CONSTRUCTION NOTES**

- 1 EXCAVATE OR FILL TO GRADES SHOWN
- 31 INSTALL RIP-RAP
- 32 CONSTRUCT V-DITCH PER \_\_\_\_\_
- 33 CONSTRUCT TOP DECK INLET PER \_\_\_\_\_
- 34 CONSTRUCT SANDGAB CHEVRON PER \_\_\_\_\_
- 35 INSTALL ORANGE CONSTRUCTION FENCE AT 20' O.C. UNDERNEATH STOCKPILE MATERIAL

**LEGEND**

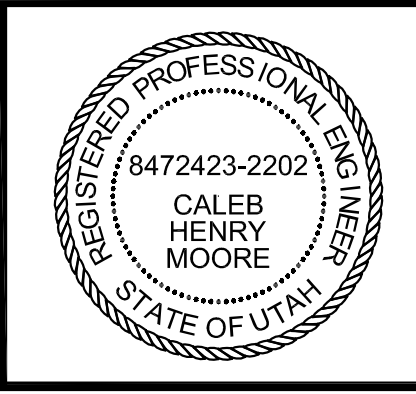
- PROPERTY LINE
- 10 --- EXISTING MAJOR CONTOUR
- 10 --- EXISTING MINOR CONTOUR
- 10 --- PROPOSED MAJOR CONTOUR
- 9 --- PROPOSED MINOR CONTOUR
- - - - - SUBTITLE-D LIMIT OF WASTE
- - - - - TOP / TOE / GRADEBREAK
- FLOWLINE



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NO.	REVISION DESCRIPTION	BY:

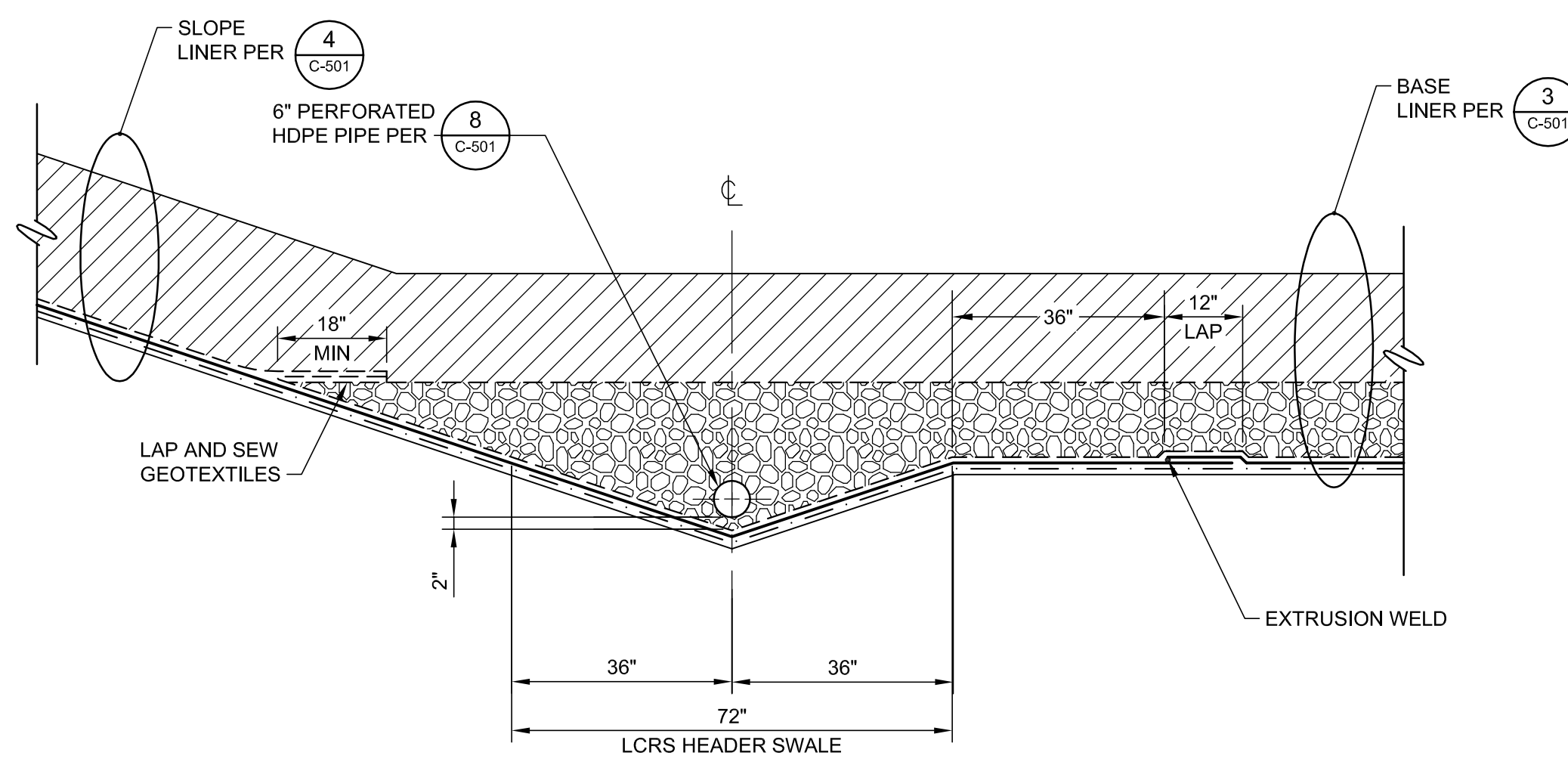

**TETRA TECH BAS**  
 1360 Valley Vista Drive, Diamond Bar, CA 91765  
 TEL 909.860.7777 FAX 909.860.8017



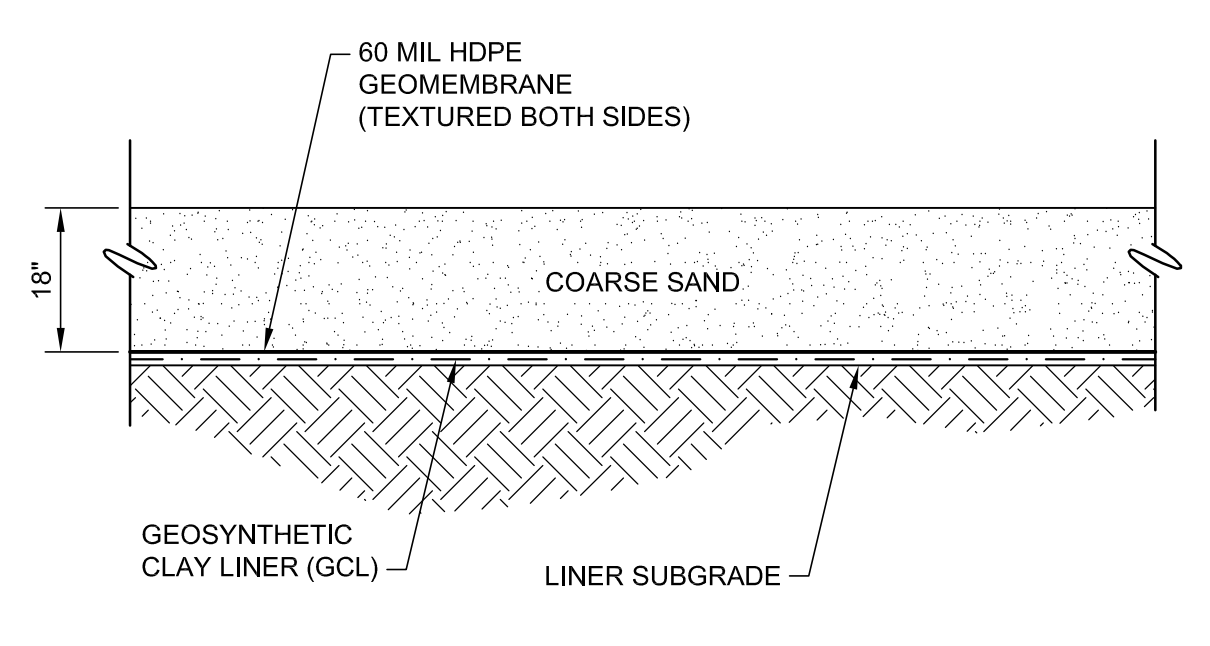
PROMONTORY POINT, LLC		
<b>STOCKPILE PLAN</b>		
DESIGNED BY: DLL	FILE: C-401 Stockpile Plan.dwg	
DRAWN BY: PV / ANP	DATE: 01-2017	SCALE: AS SHOWN
CHECKED BY: GES	DATE: 01-2017	<b>C-401</b>
APPROVED BY: CHM	DATE: 01-2017	

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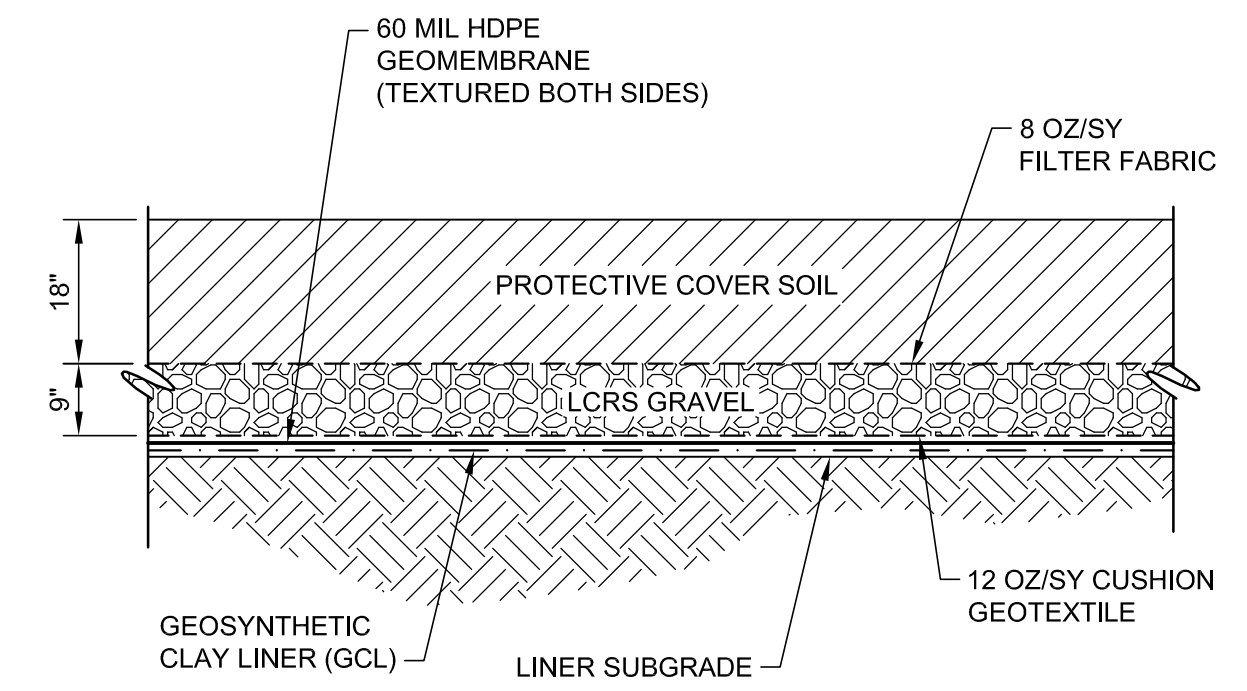




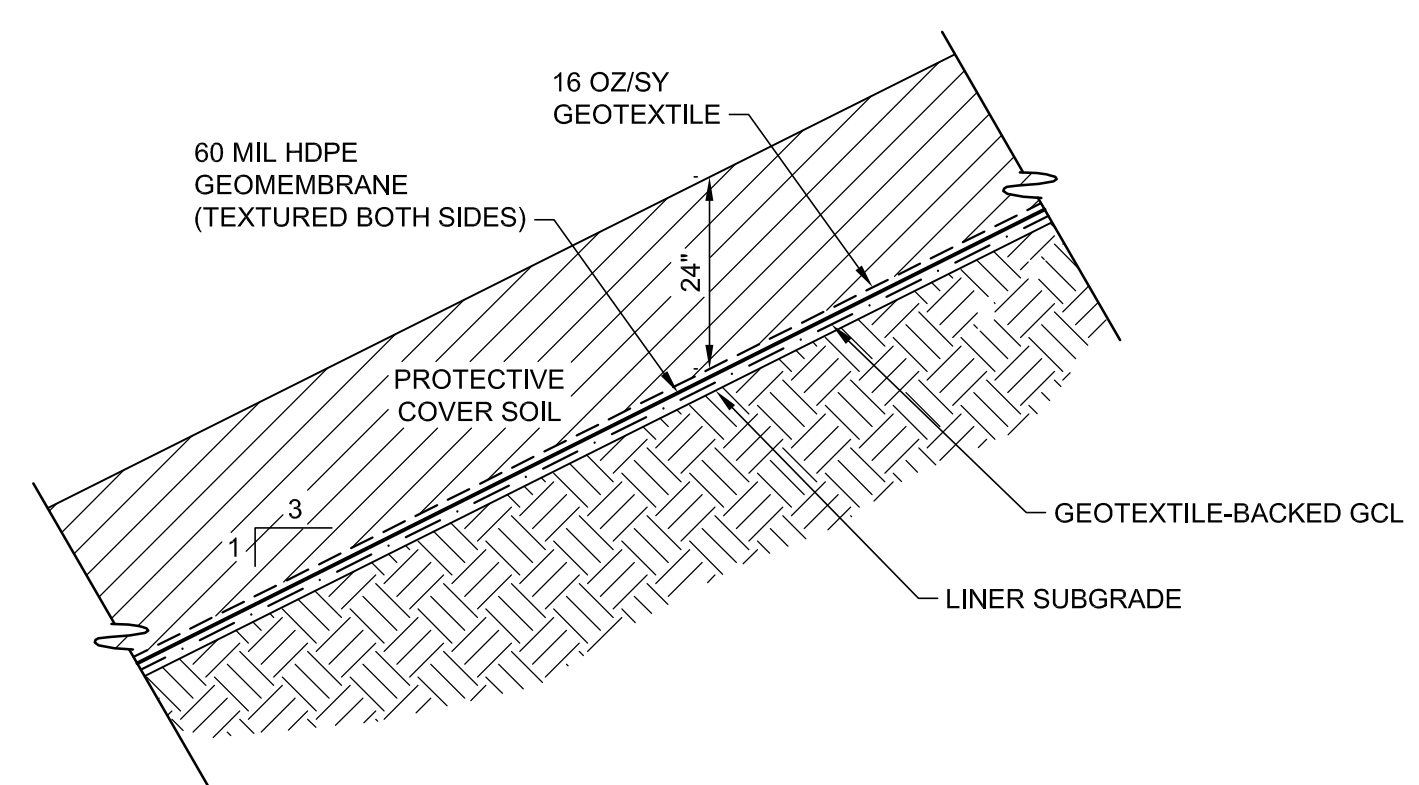
**1 LCRS TOE DRAIN AND TRENCH**  
 NTS REFERENCE SHEET: C-101, C-103



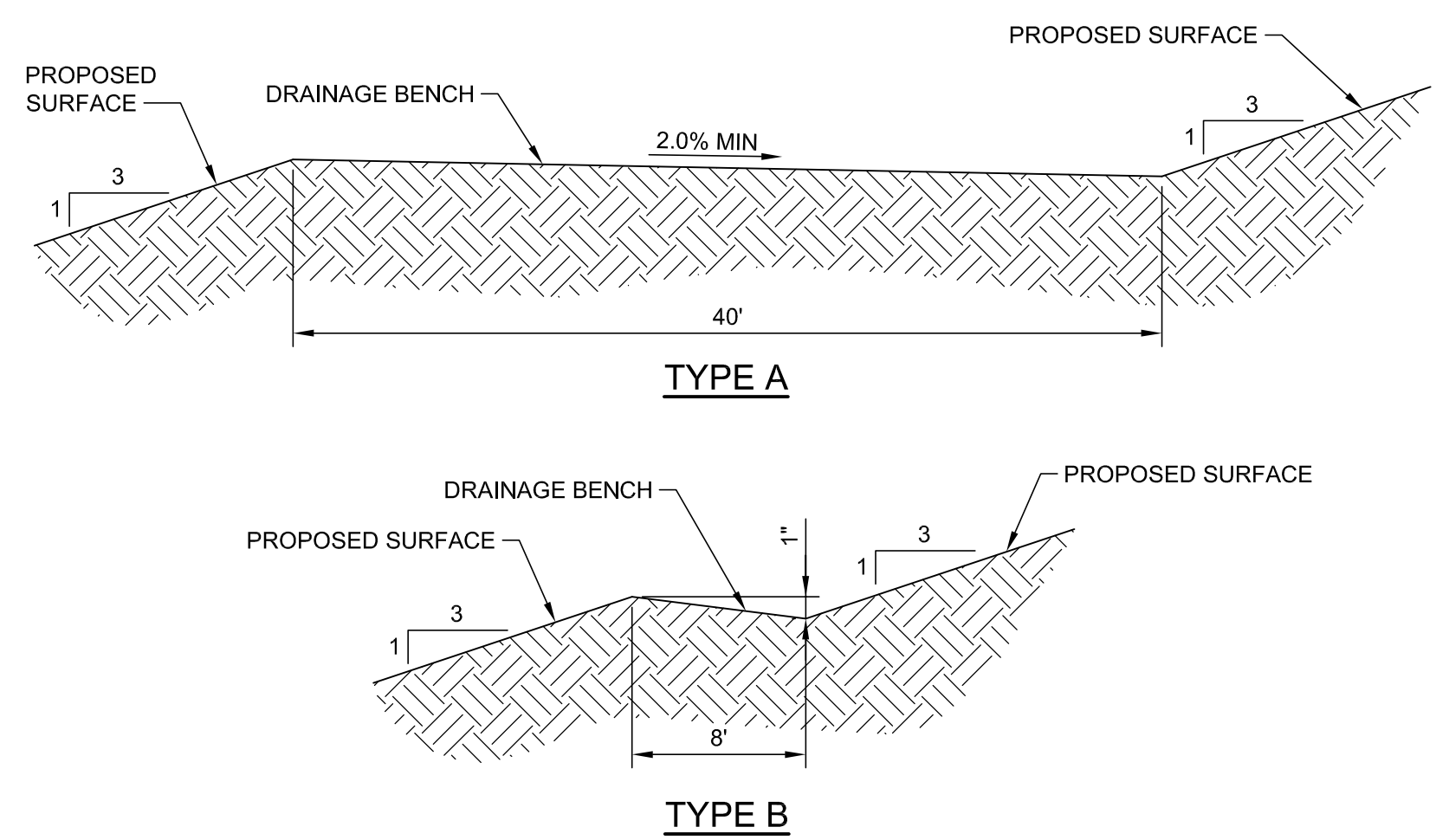
**2 BASE LINER**  
 NTS REFERENCE SHEET: C-101, C-103, C-106, C-502, C-504



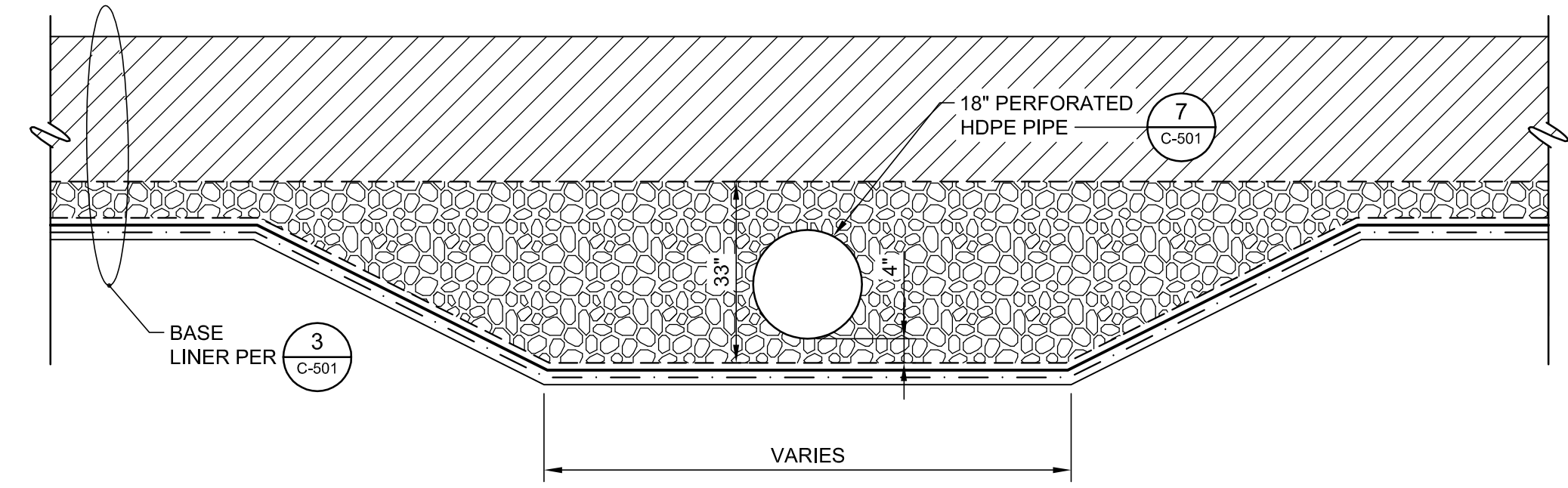
**3 BASE LINER**  
 NTS REFERENCE SHEET: C-101, C-103, C-106, C-502, C-504



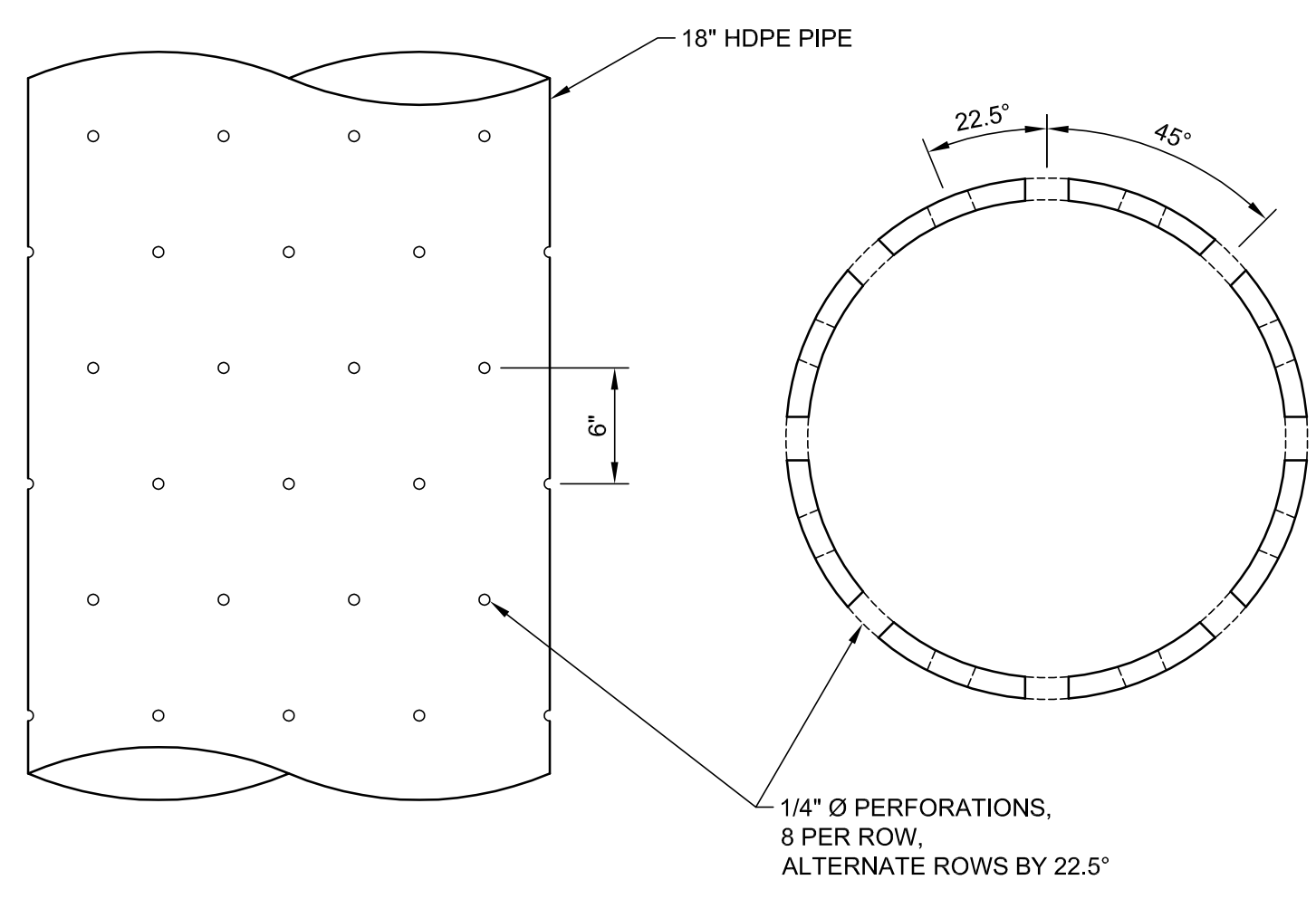
**4 SLOPE LINER**  
 NTS REFERENCE SHEET: C-101, C-103, C-106, C-502, C-504



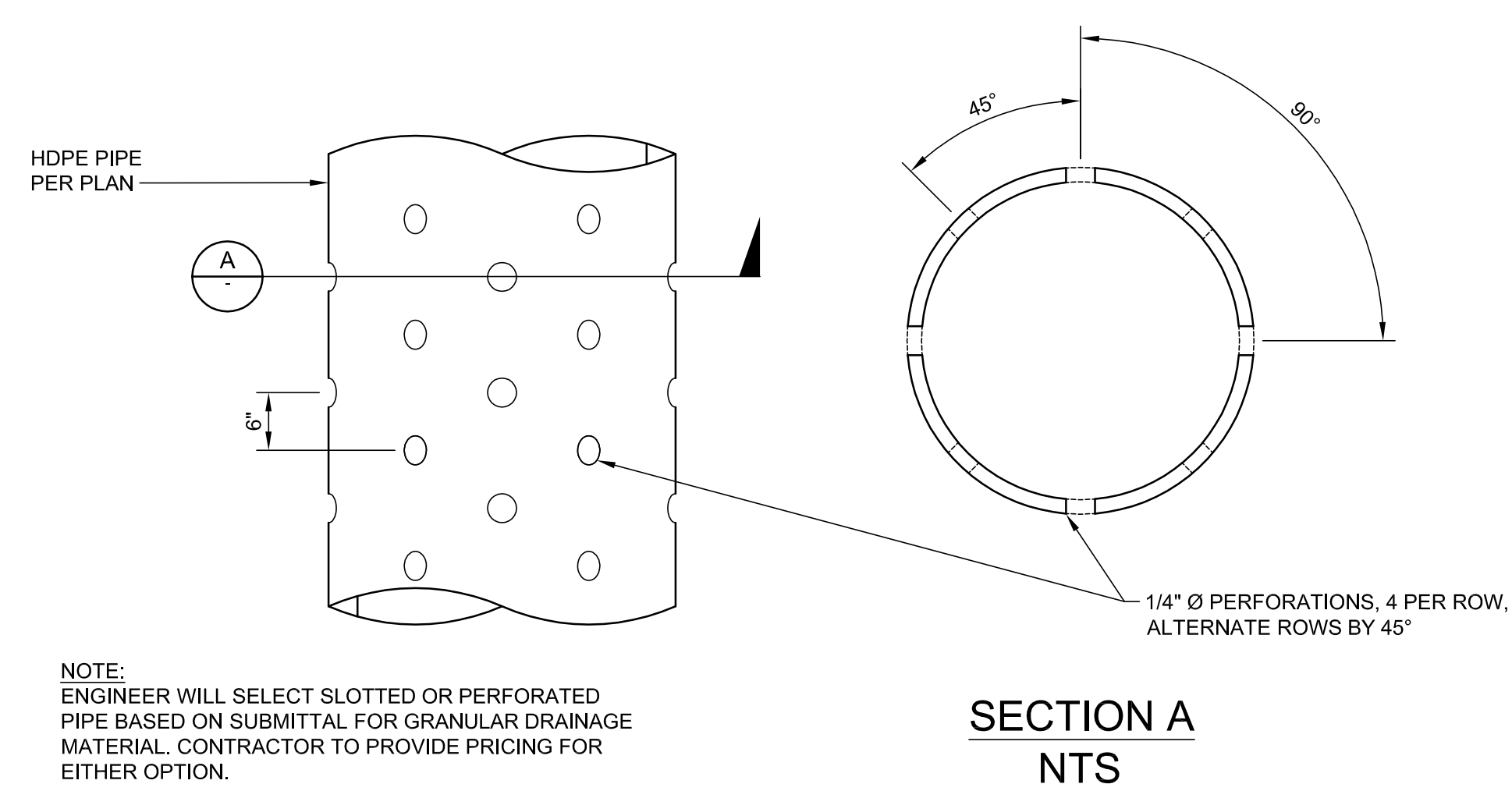
**5 DRAINAGE BENCH**  
 NTS REFERENCE SHEET: C-101, C-103, C-106



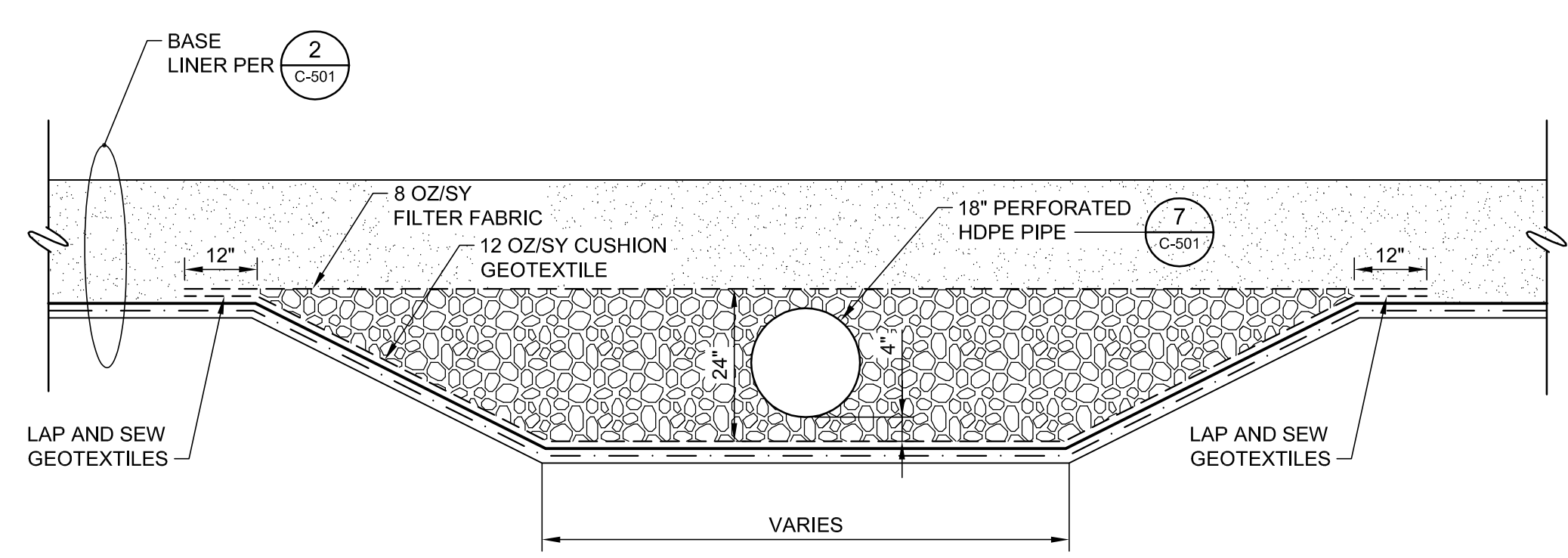
**6 LCRS SUMP**  
 NTS REFERENCE SHEET: C-101



**7 LCRS SUMP PERFORATED PIPE**  
 NTS REFERENCE SHEET: C-501, C-502



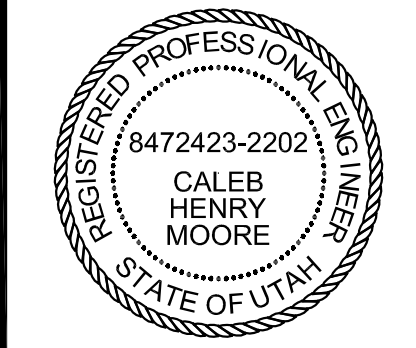
**8 PERFORATED HDPE PIPE**  
 NTS REFERENCE SHEET: C-501, C-504



**9 LCRS SUMP**  
 NTS REFERENCE SHEET: C-101

NO.	REVISION DESCRIPTION	BY:

**TETRA TECH BAS**  
 1360 Valley Vista Drive, Diamond Bar, CA 91765  
 TEL 909.860.7777 FAX 909.860.8017

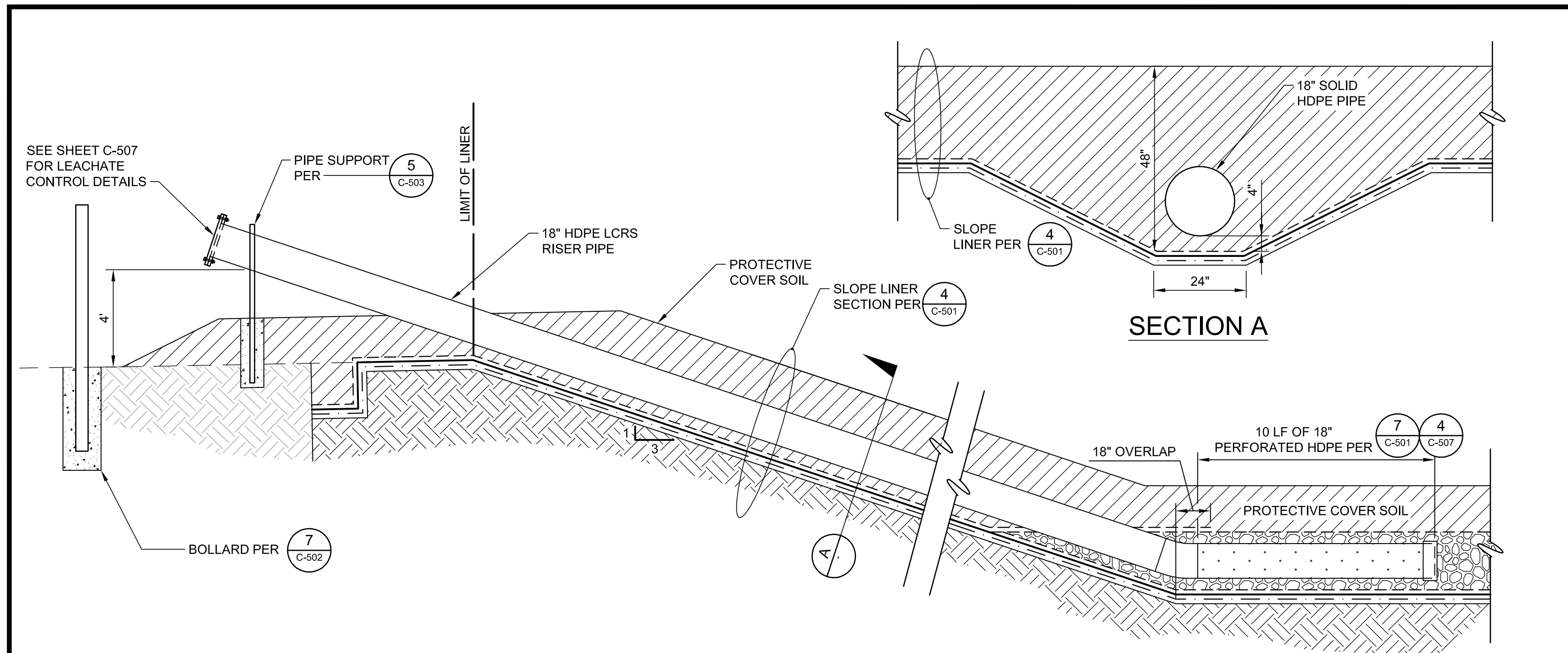


PROMONTORY POINT, LLC		
DETAILS		
DESIGNED BY: DLL	FILE: C-501 Details.dwg	
DRAWN BY: PV / ANP	DATE: 01-2017	SCALE: AS SHOWN
CHECKED BY: GES	DATE: 01-2017	<b>C-501</b>
APPROVED BY: CHM	DATE: 01-2017	

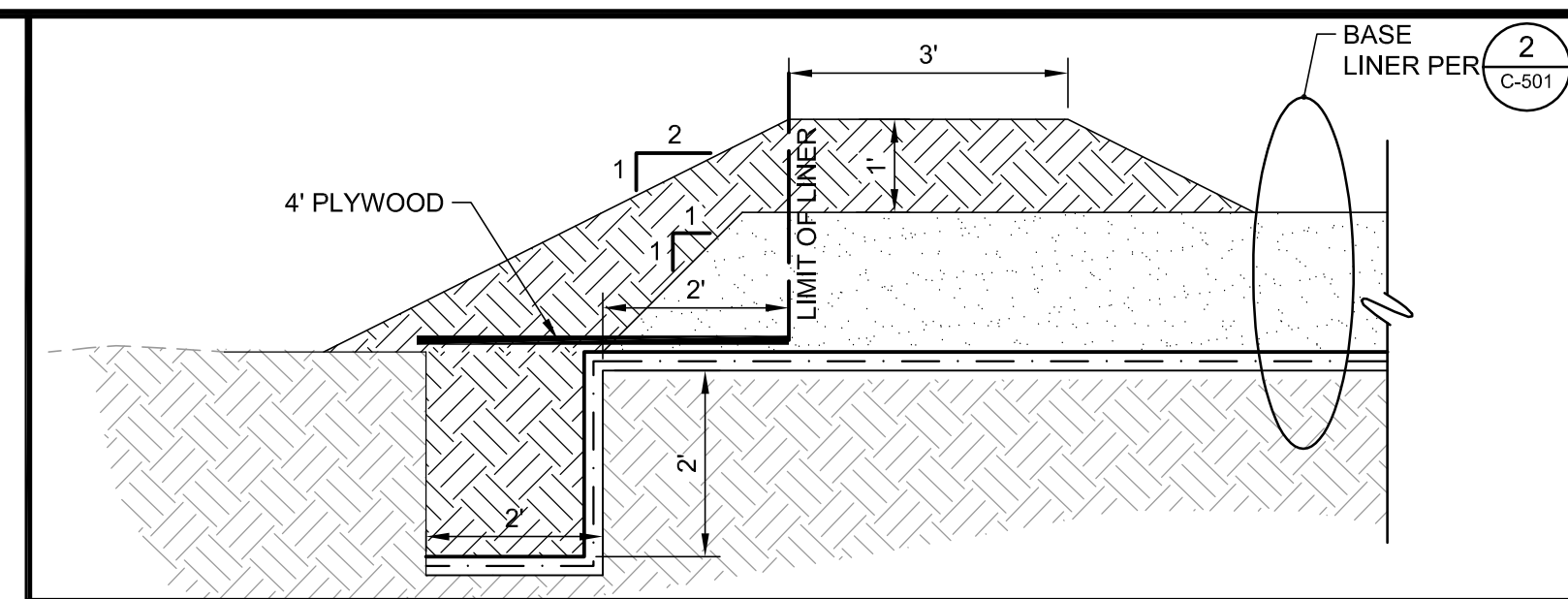
**FOR PERMIT PURPOSES ONLY - NOT FOR CONSTRUCTION**

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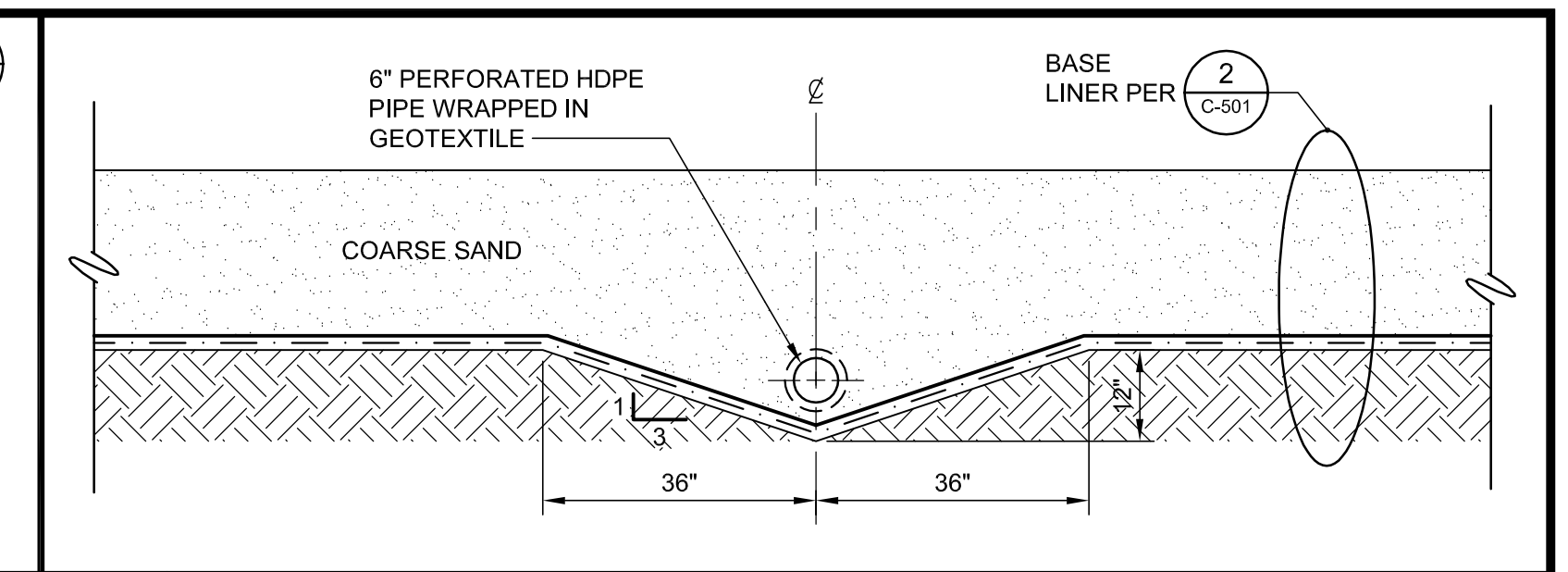




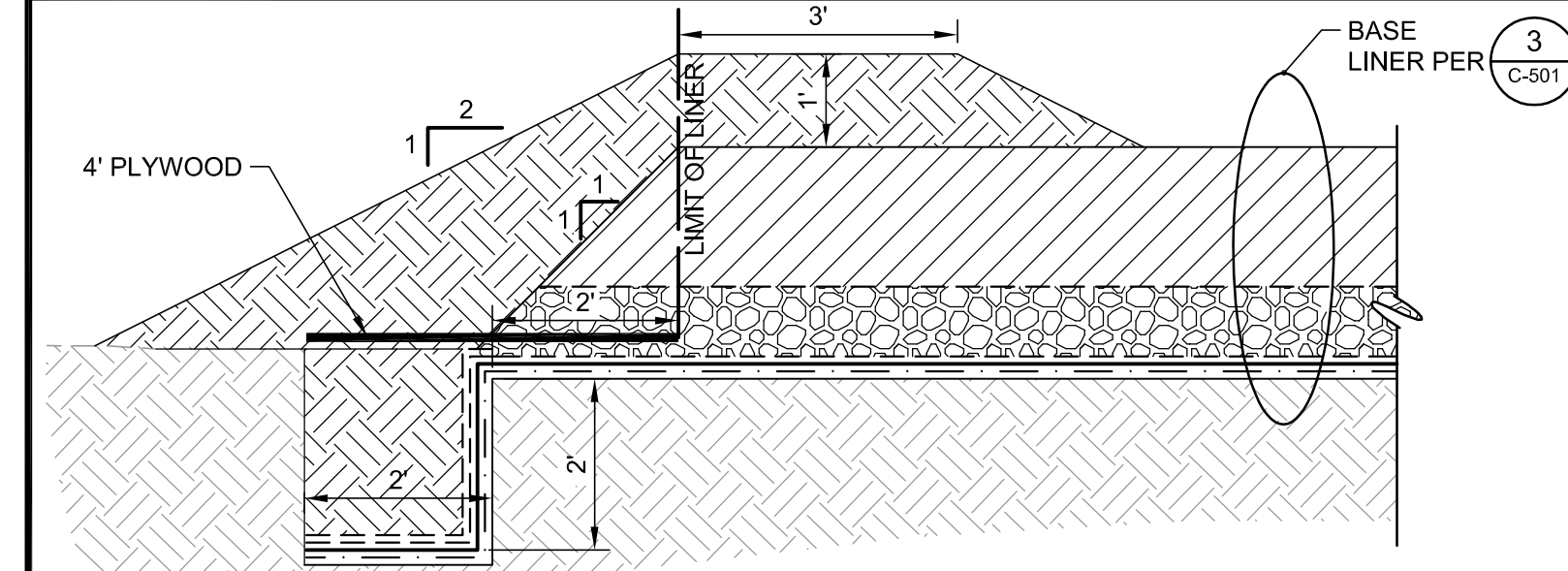
**1 LCRS RISER**  
 NTS REFERENCE SHEET: C-101



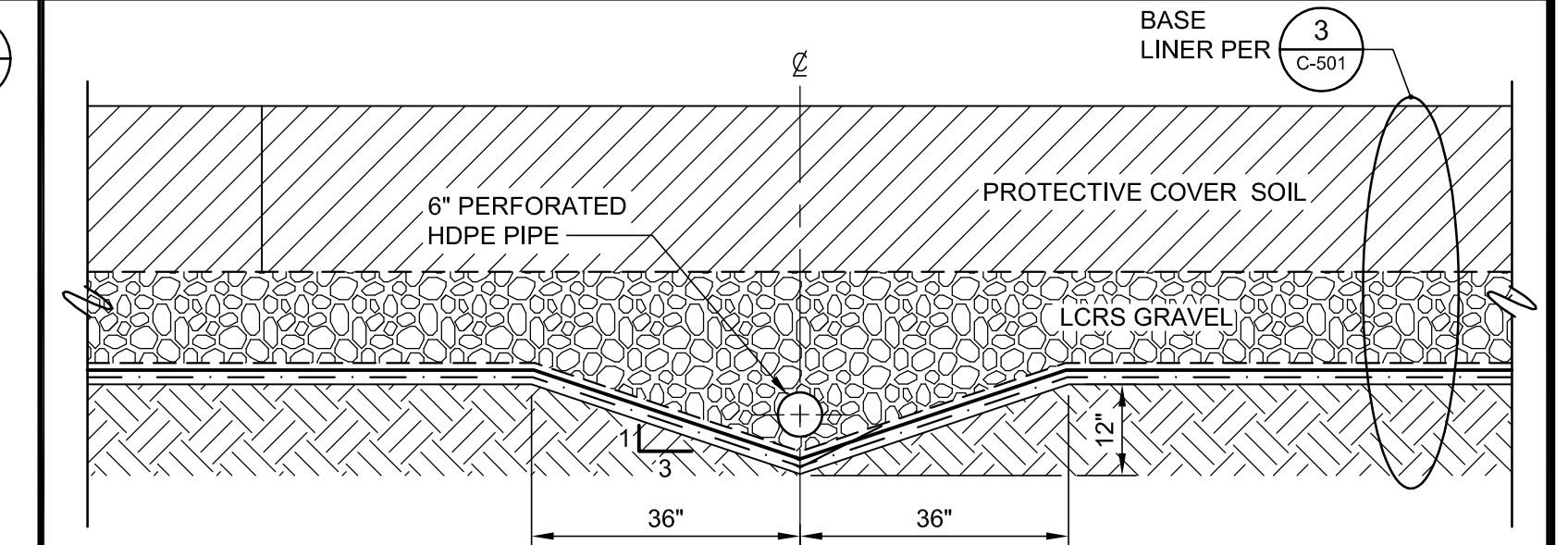
**2 BASE LINER TERMINATION**  
 NTS REFERENCE SHEET: C-101, C-103, C-106



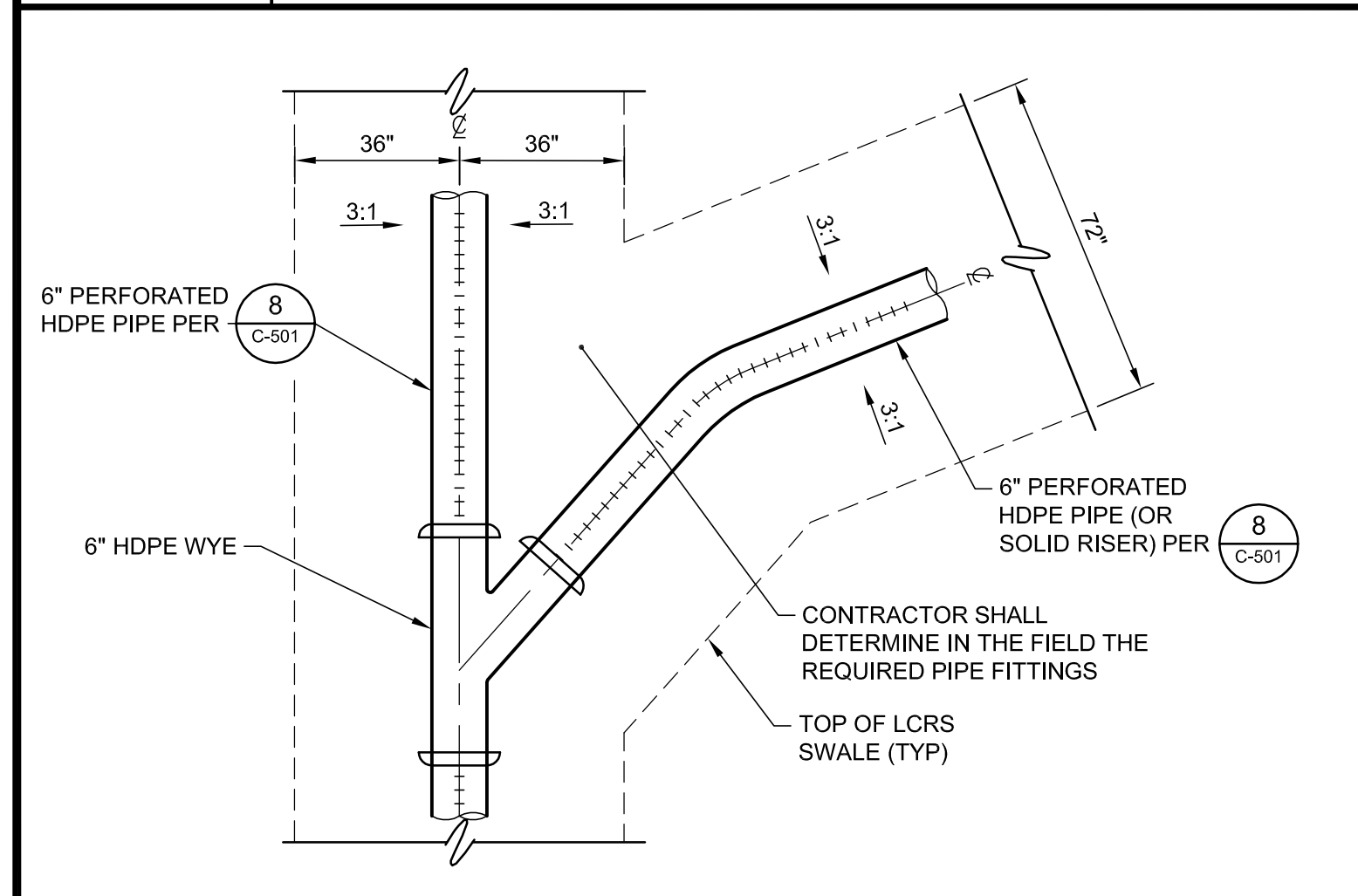
**4 LCRS LATERAL AND MAINLINE**  
 NTS REFERENCE SHEET: C-101, C-103, C-106



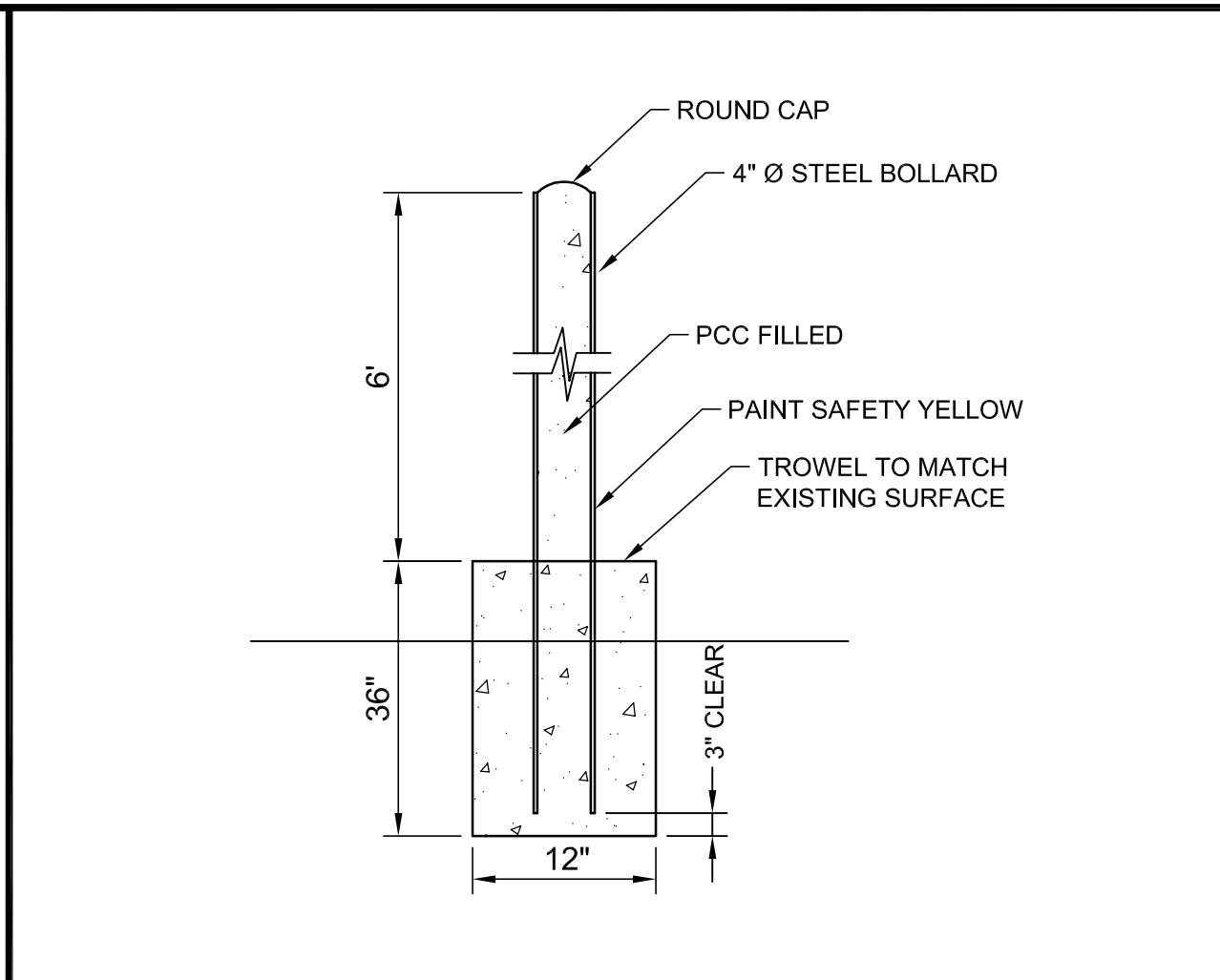
**3 BASE LINER TERMINATION**  
 NTS REFERENCE SHEET: C-101, C-103, C-106



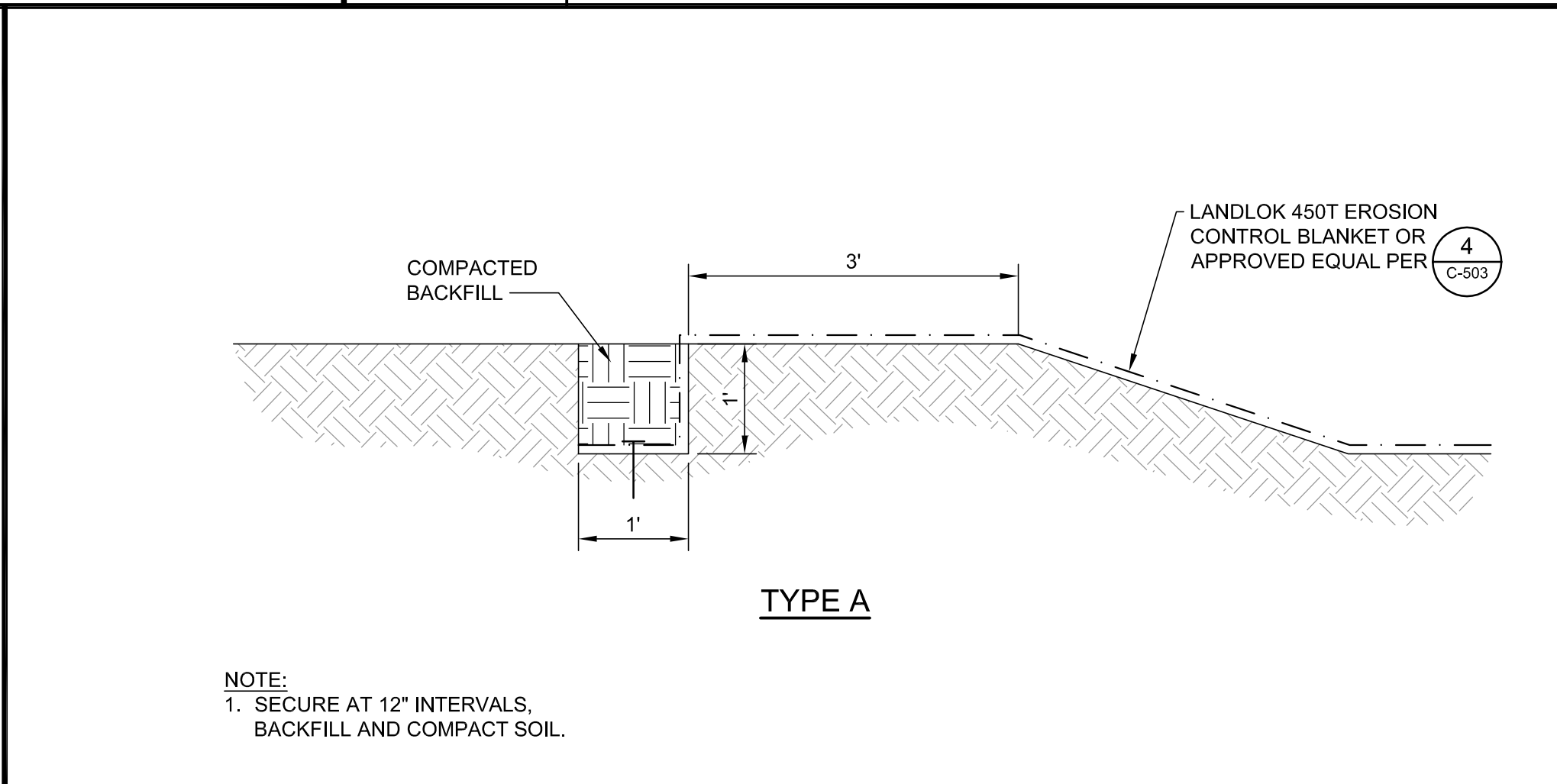
**5 LCRS LATERAL AND MAINLINE**  
 NTS REFERENCE SHEET: C-101, C-103, C-106



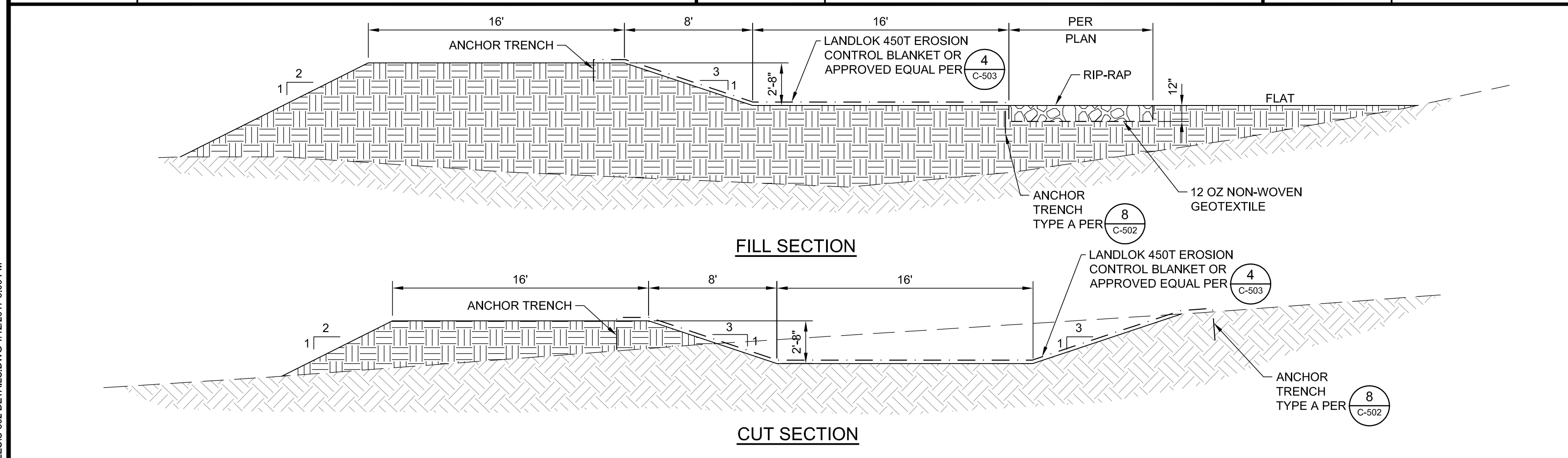
**6 LCRS PIPE CONNECTION**  
 NTS REFERENCE SHEET: C-101, C-103



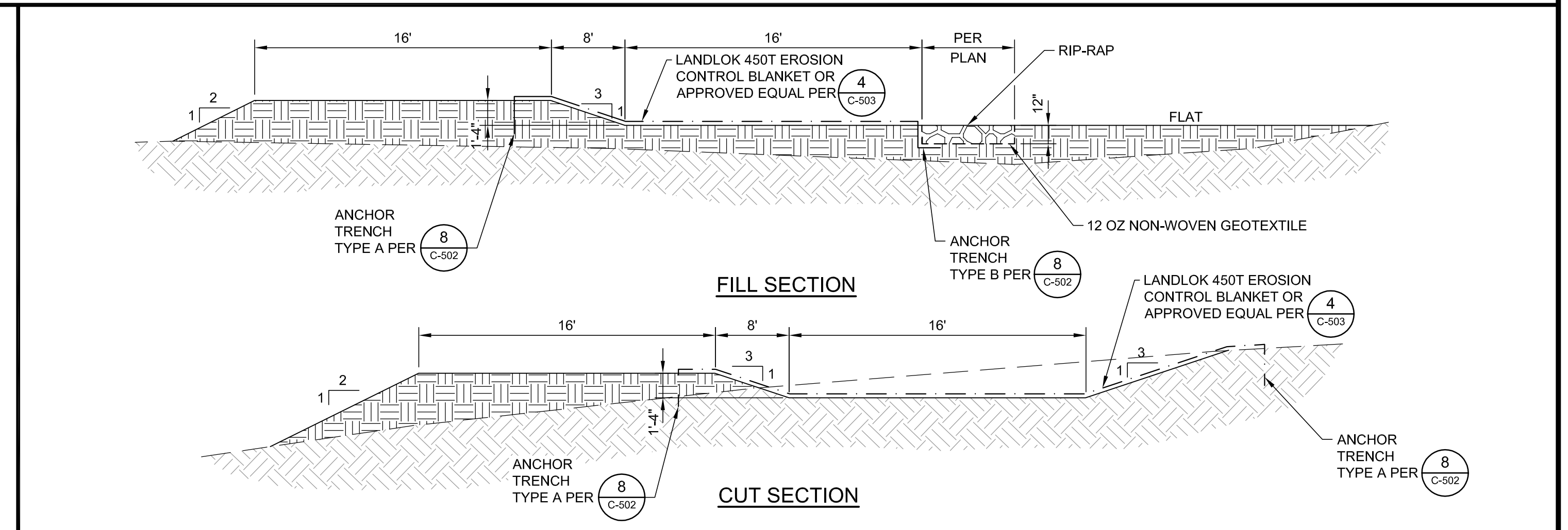
**7 BOLLARD**  
 NTS REFERENCE SHEET: C-502 C-108



**8 ANCHOR TRENCH DETAIL**  
 NTS REFERENCE SHEET: C-101, C-104



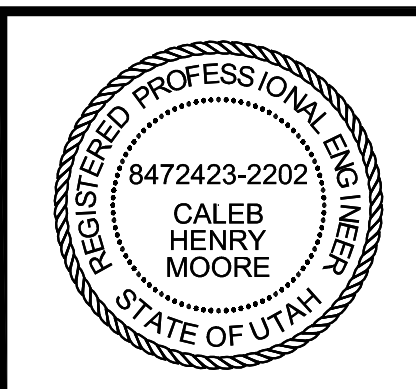
**9 WEST DIVERSION CHANNEL**  
 NTS REFERENCE SHEET: C-101, C-104



**10 EAST DIVERSION CHANNEL**  
 NTS REFERENCE SHEET: C-101, C-104

NO.	REVISION DESCRIPTION	BY:


**TETRA TECH BAS**  
 1360 Valley Vista Drive, Diamond Bar, CA 91765  
 TEL 909.860.7777 FAX 909.860.8017



PROMONTORY POINT, LLC

**DETAILS**

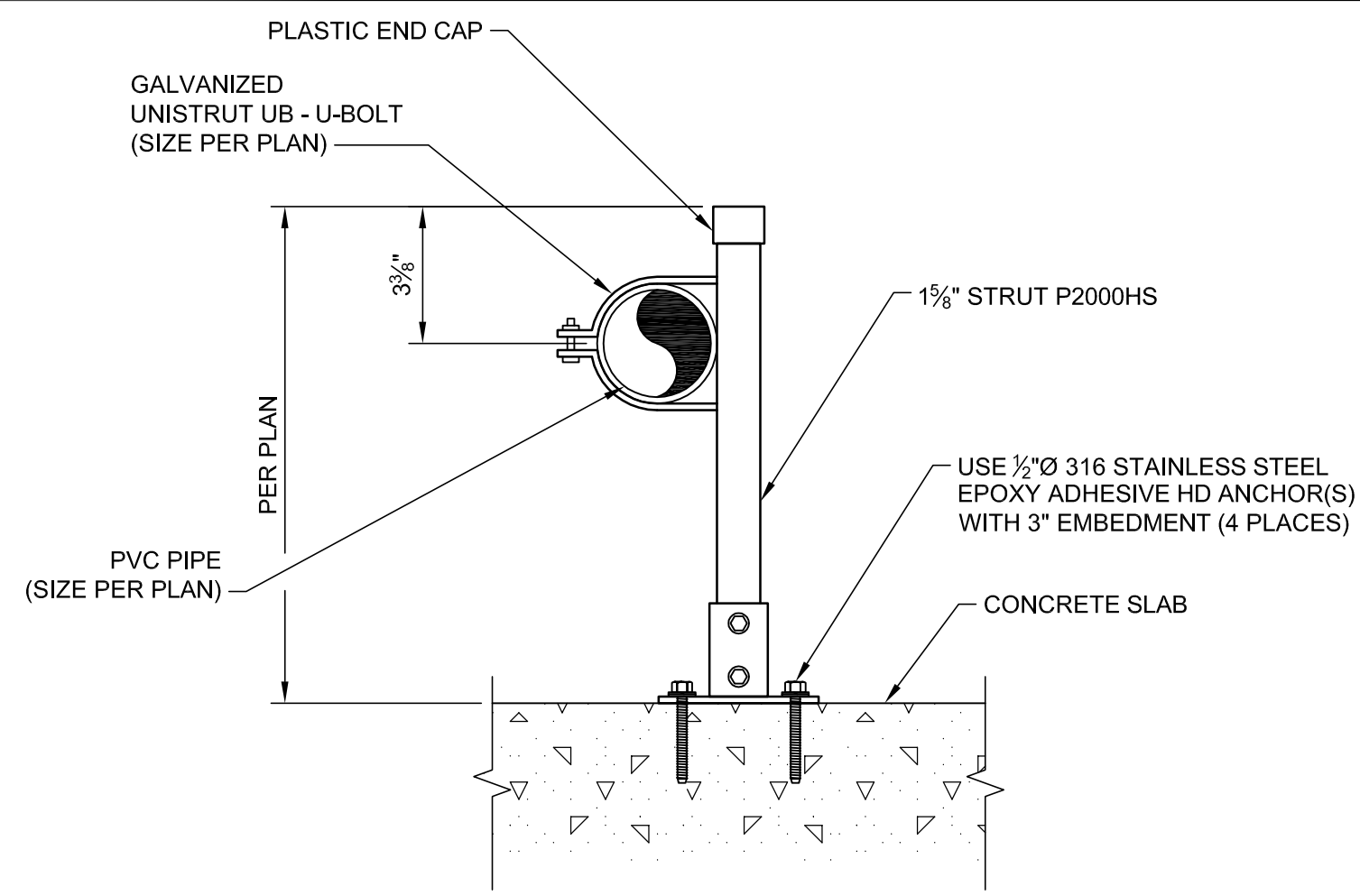
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DRAWN BY: PV / ANP	DATE: 01-2017 SCALE: AS SHOWN
CHECKED BY: GES	DATE: 01-2017
APPROVED BY: CHM	DATE: 01-2017

**C-502**

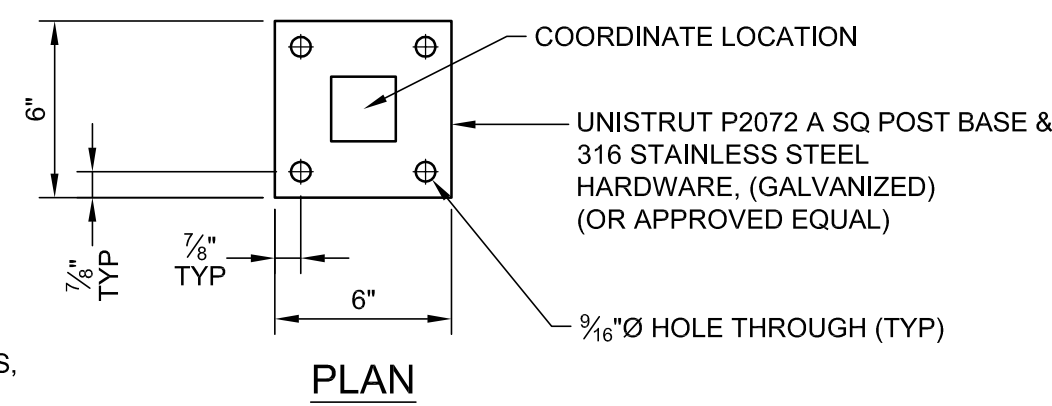
**FOR PERMIT PURPOSES ONLY - NOT FOR CONSTRUCTION**

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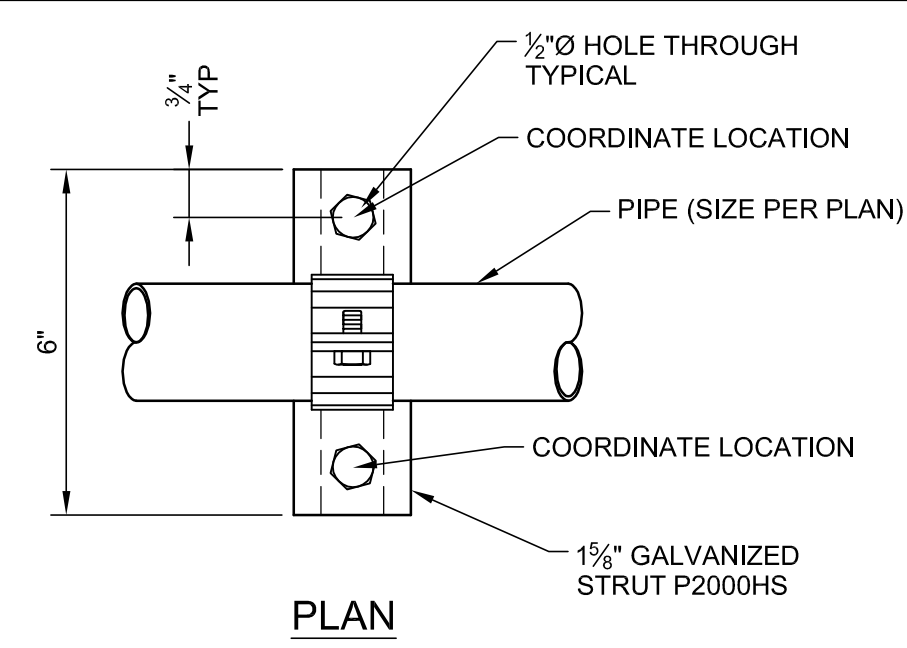


ELEVATION

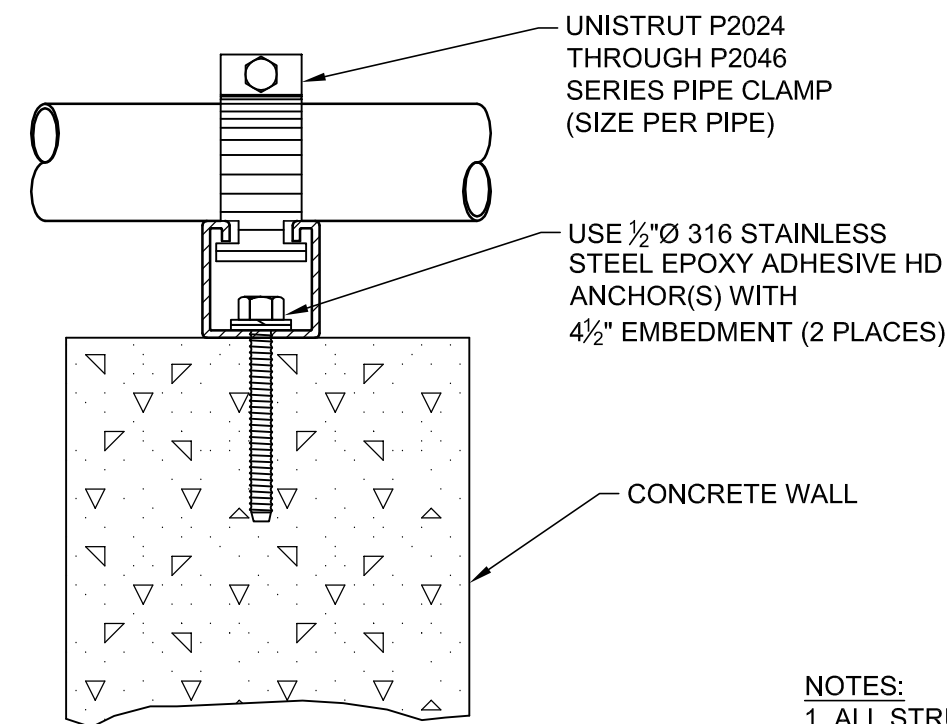


PLAN

NOTES:  
 1. ALL STRUT CHANNEL MATERIAL SHALL BE GALVANIZED.  
 2. ALL CONDUIT SUPPORTS AND ANCHORS SHALL BE ASSEMBLED WITH 316 STAINLESS STEEL BOLTS, WASHERS, LOCK WASHERS, NUTS AND SPRING NUTS.



PLAN



ELEVATION

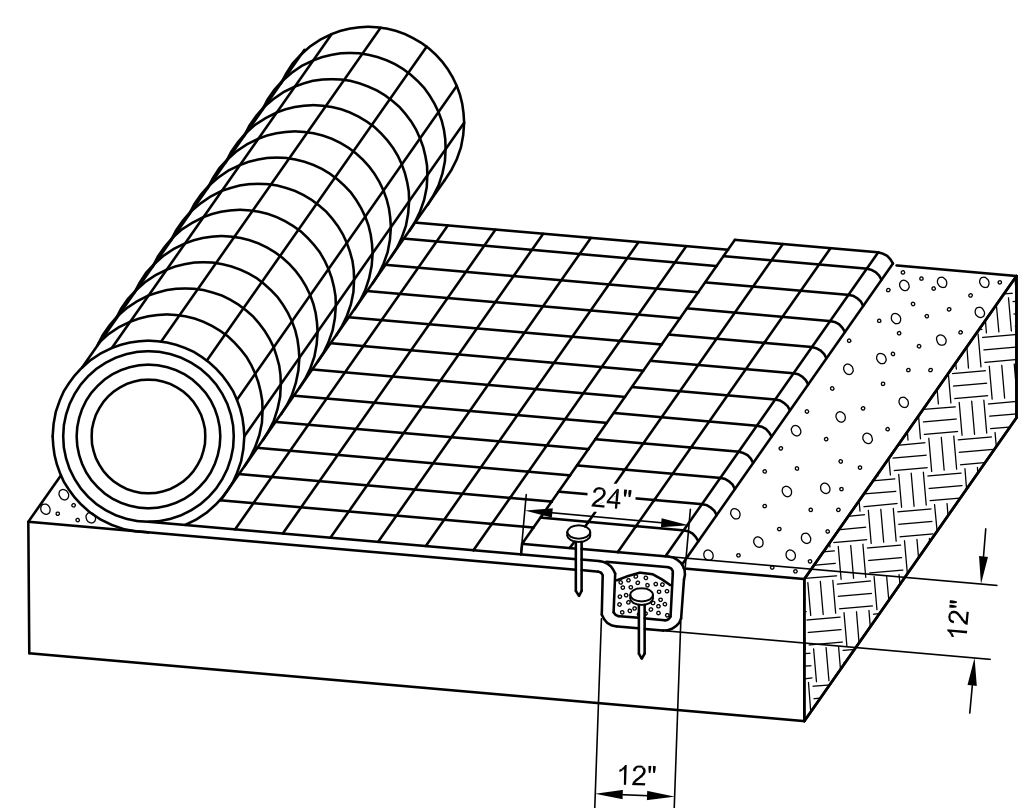
NOTES:  
 1. ALL STRUT CHANNEL MATERIAL SHALL BE GALVANIZED.  
 2. ALL CONDUIT SUPPORTS AND ANCHORS SHALL BE ASSEMBLED WITH 316 STAINLESS STEEL BOLTS, WASHERS, LOCK WASHERS, NUTS AND SPRING NUTS.

1 PIPE SUPPORT

NTS REFERENCE SHEET: C-506

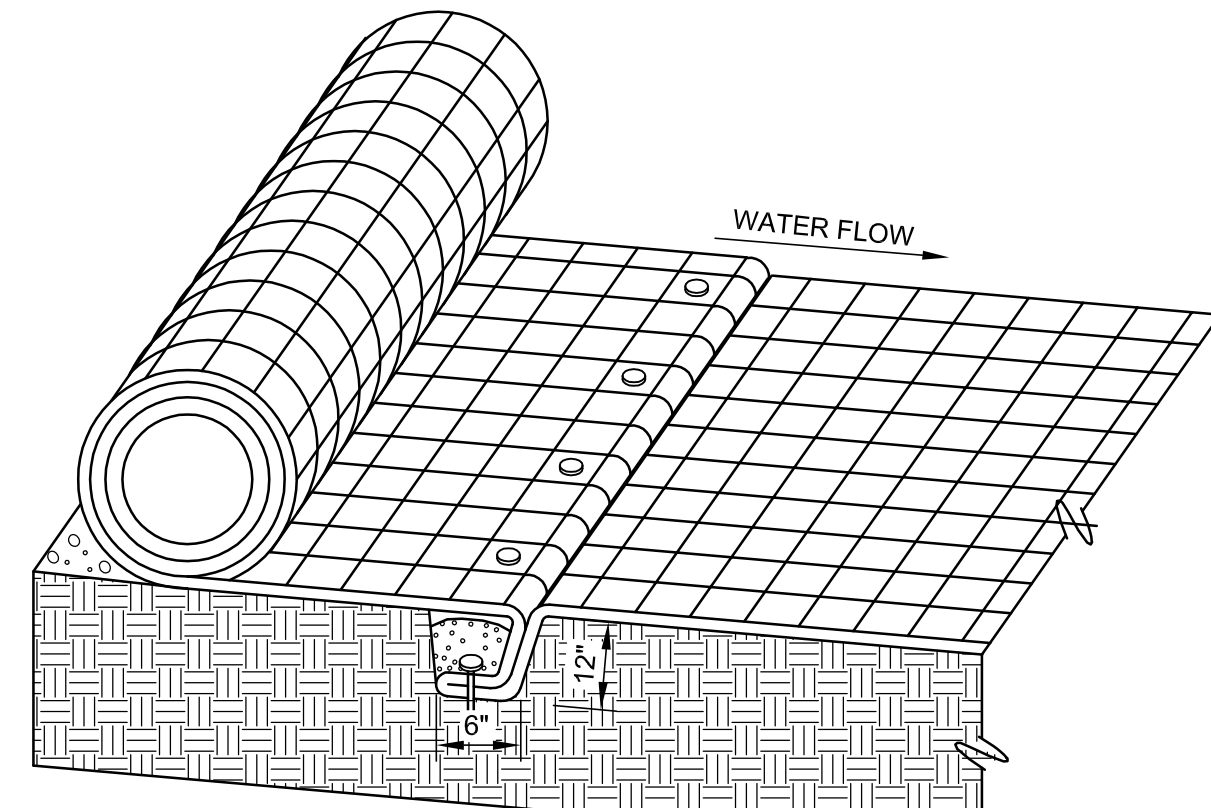
2 PIPE SUPPORT

NTS REFERENCE SHEET: C-506



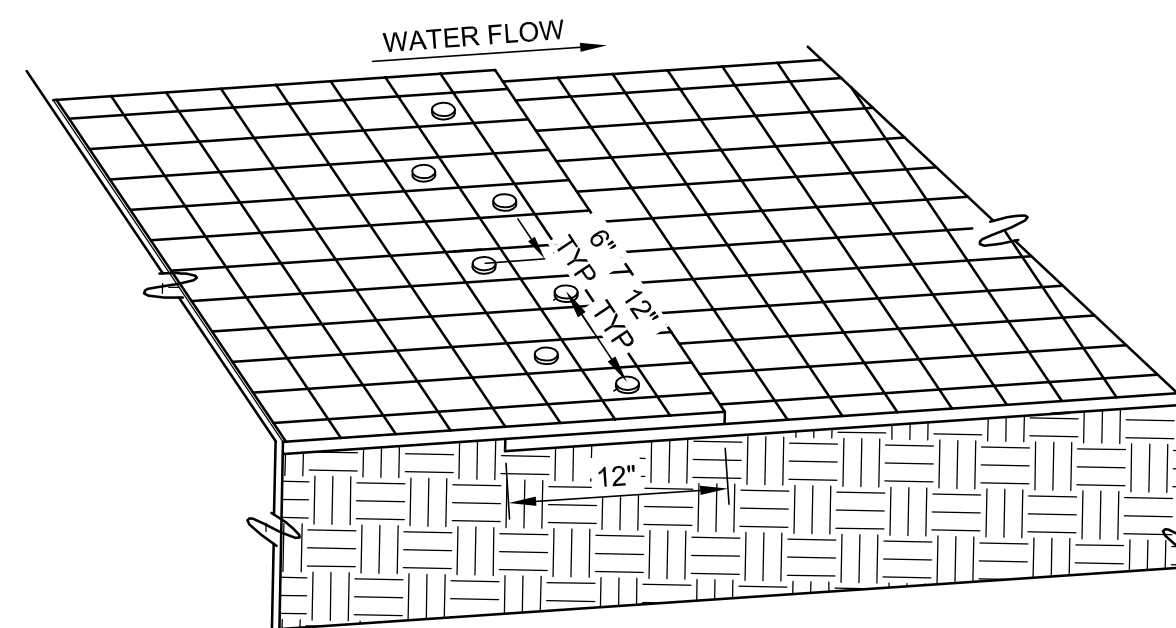
NOTES:  
 1. SECURE AT 12" INTERVALS, BACKFILL AND COMPACT SOIL.

TERMINAL ANCHOR TRENCH



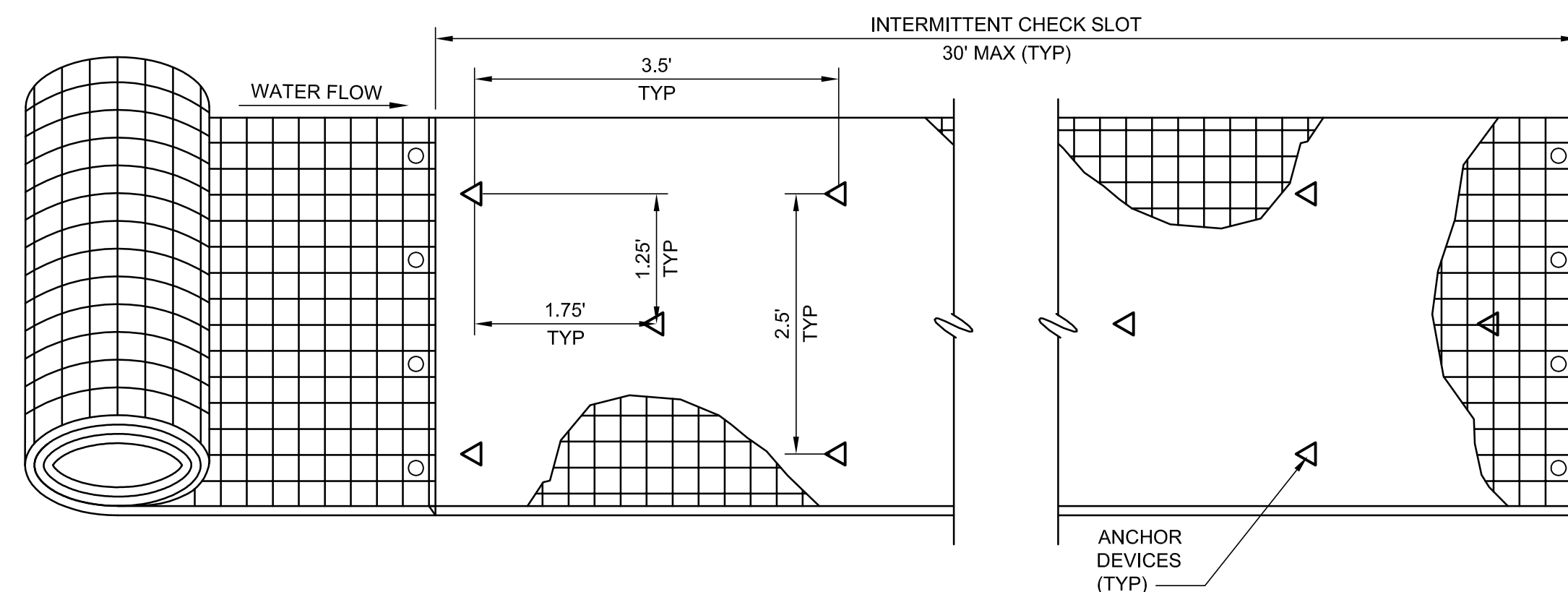
NOTES:  
 1. SECURE AT 12 VERTICAL INCH INTERVALS, BACKFILL AND COMPACT SOIL.

INTERMITTENT CHECK SLOT



NOTES:  
 1. BACKFILL AND COMPACT SOIL.

OVERLAP AT ROLL END



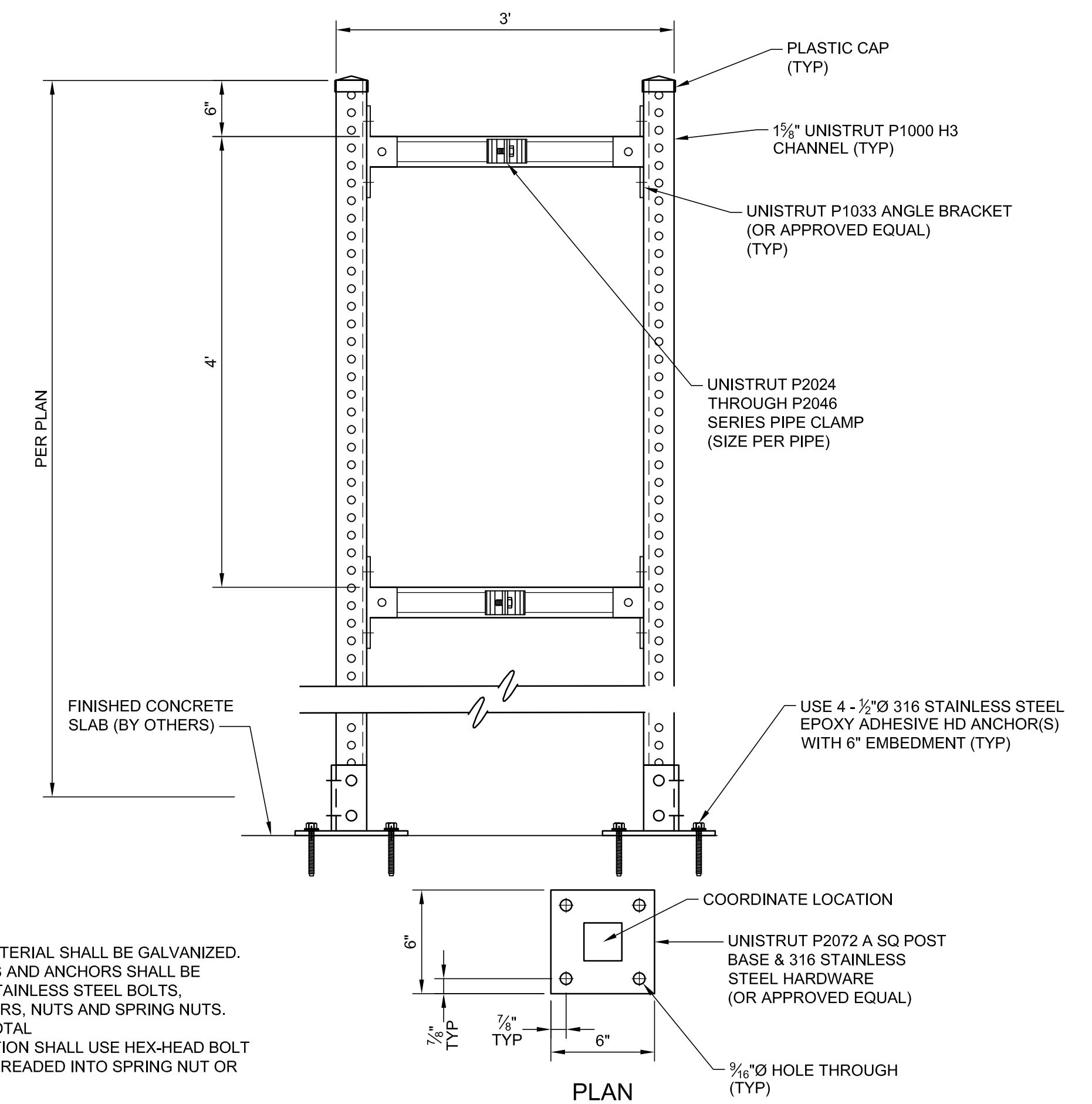
ANCHOR DEVICES (TYP)

4 LANDLOK EROSION CONTROL BLANKET

NTS REFERENCE SHEET: C-502

3 PIPE SUPPORT

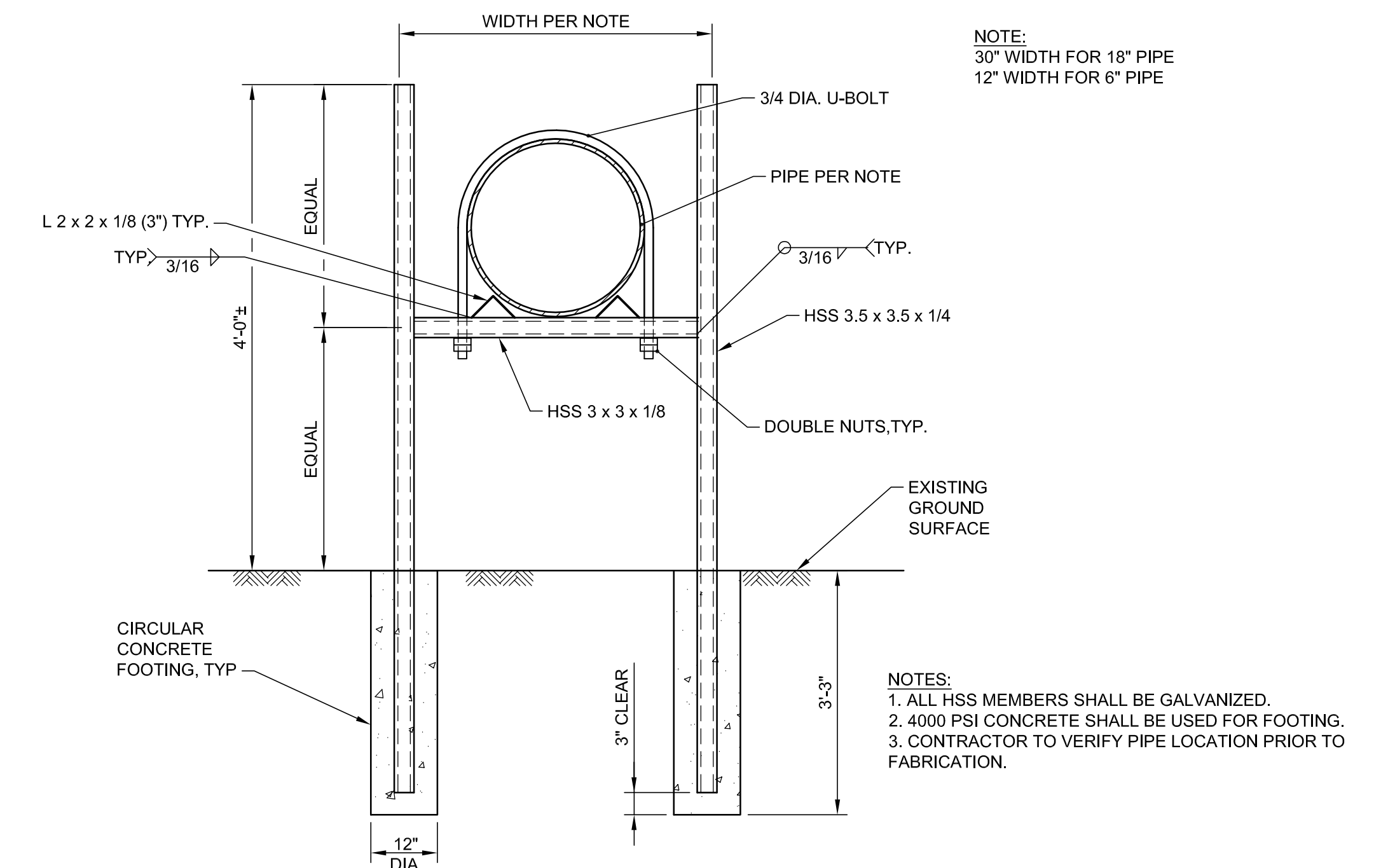
NTS REFERENCE SHEET: C-506



NOTES:  
 1. ALL STRUT CHANNEL MATERIAL SHALL BE GALVANIZED.  
 2. ALL CONDUIT SUPPORTS AND ANCHORS SHALL BE ASSEMBLED WITH 316 STAINLESS STEEL BOLTS, WASHERS, LOCK WASHERS, NUTS AND SPRING NUTS.  
 3. 3 FRAME ASSEMBLIES TOTAL  
 4. ALL UNISTRUT CONNECTION SHALL USE HEX-HEAD BOLT CONNECTS THAT ARE THREADED INTO SPRING NUT OR APPROVED EQUAL.

3 PIPE SUPPORT

NTS REFERENCE SHEET: C-506



NOTE:  
 30" WIDTH FOR 18" PIPE  
 12" WIDTH FOR 6" PIPE

NOTE:  
 1. ALL HSS MEMBERS SHALL BE GALVANIZED.  
 2. 4000 PSI CONCRETE SHALL BE USED FOR FOOTING.  
 3. CONTRACTOR TO VERIFY PIPE LOCATION PRIOR TO FABRICATION.

5 PIPE SUPPORT

NTS REFERENCE SHEET: C-502

NO.	REVISION DESCRIPTION	BY:

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REGISTERED PROFESSIONAL ENGINEER  
 8472423-2202  
 CALEB HENRY MOORE  
 STATE OF UTAH

PROMONTORY POINT, LLC

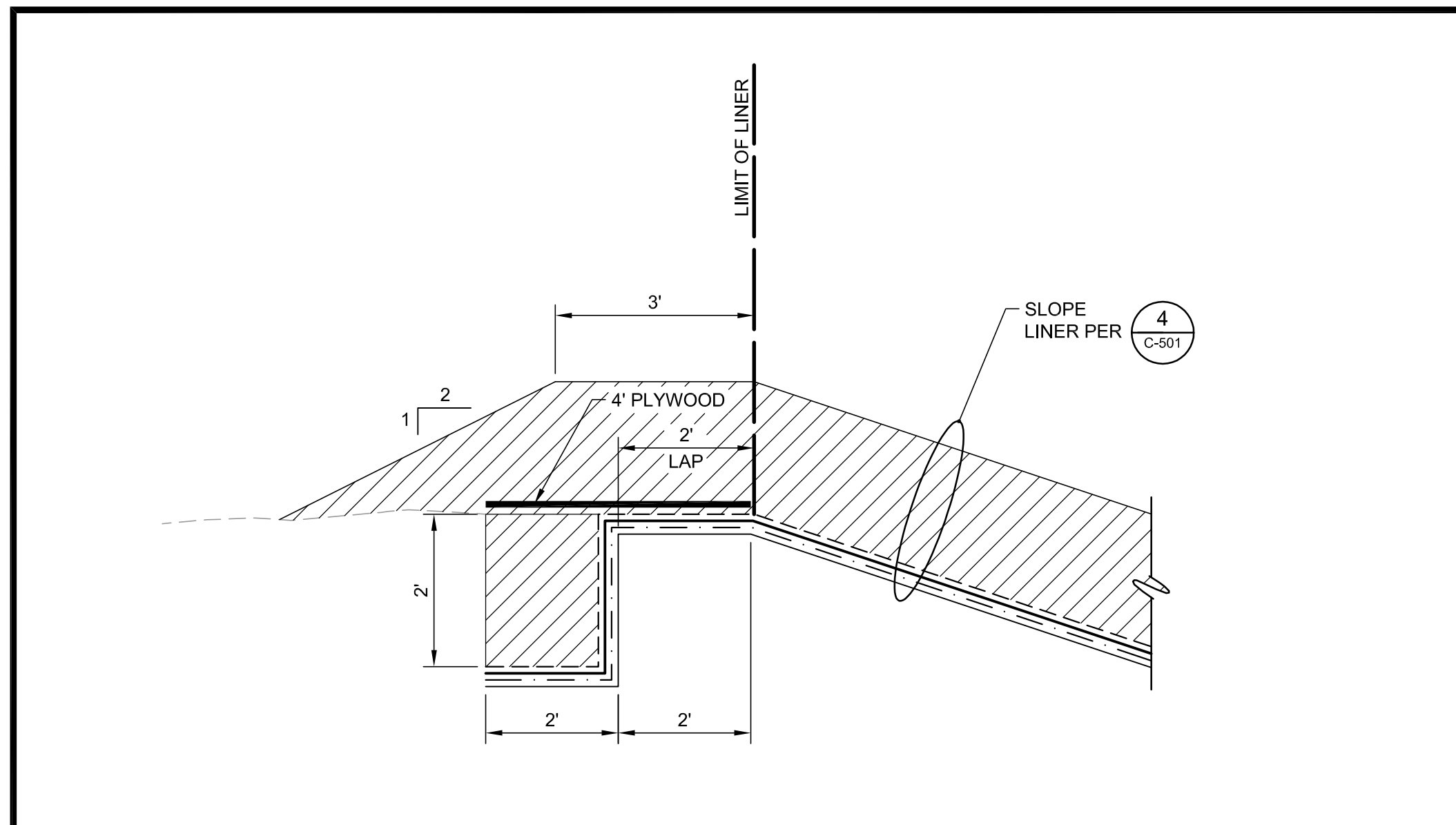
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DRAWN BY: PV / ANP	DATE: 01-2017 SCALE: AS SHOWN
CHECKED BY: GES	DATE: 01-2017
APPROVED BY: CHM	DATE: 01-2017

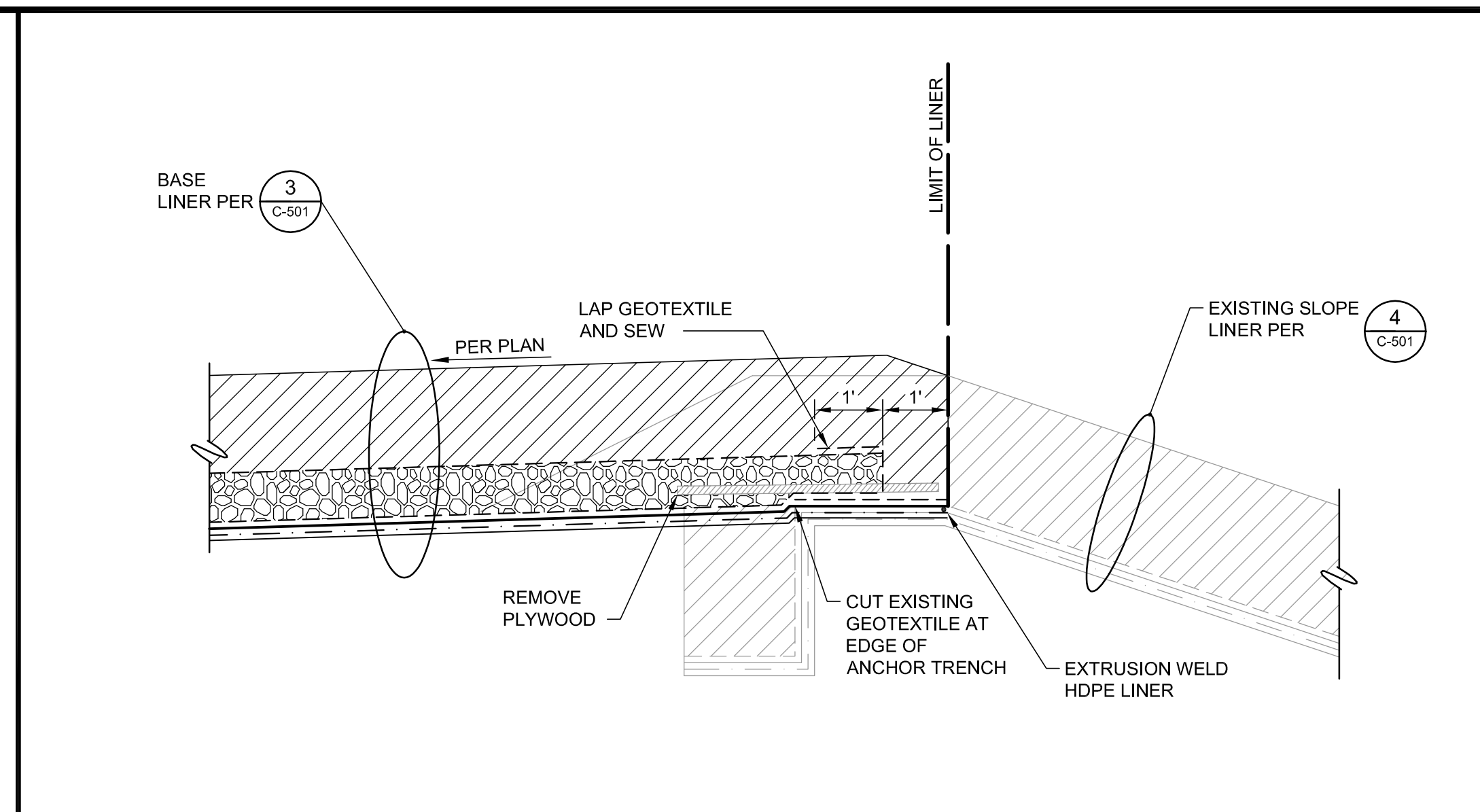
**C-503**

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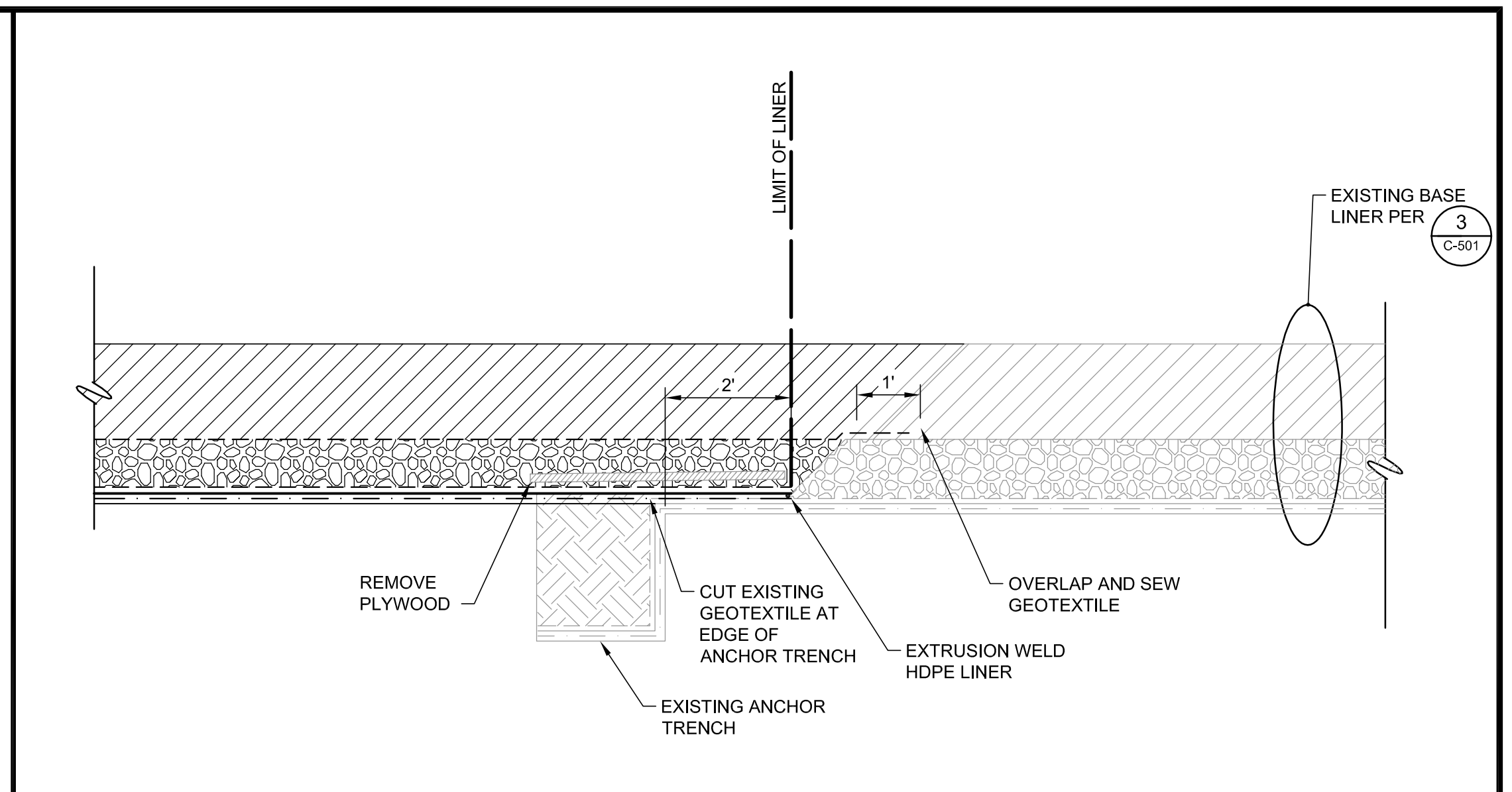




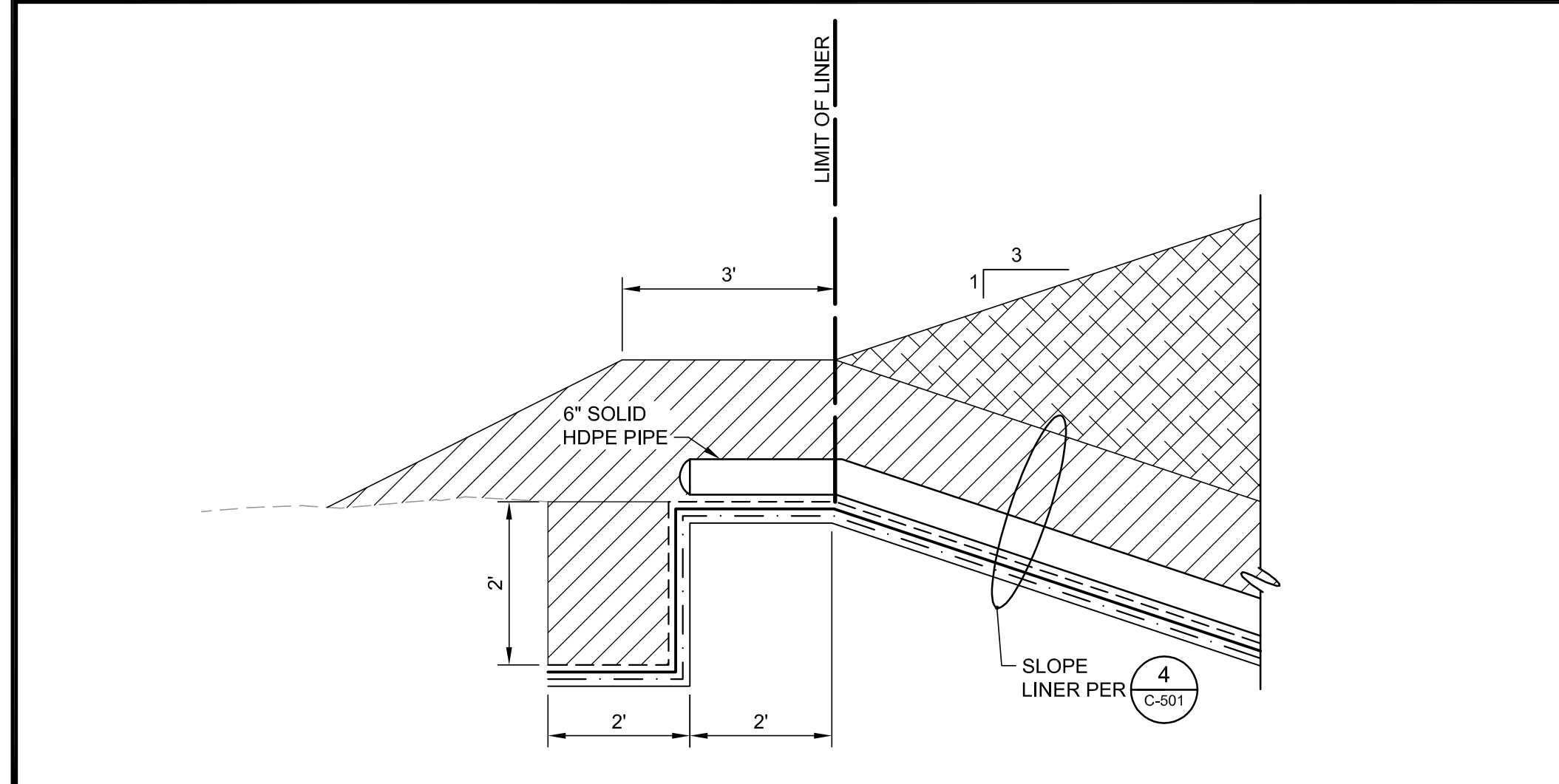
**1 TOP OF SLOPE LINER TERMINATION**  
 NTS REFERENCE SHEET: C-101, C-103, C-106



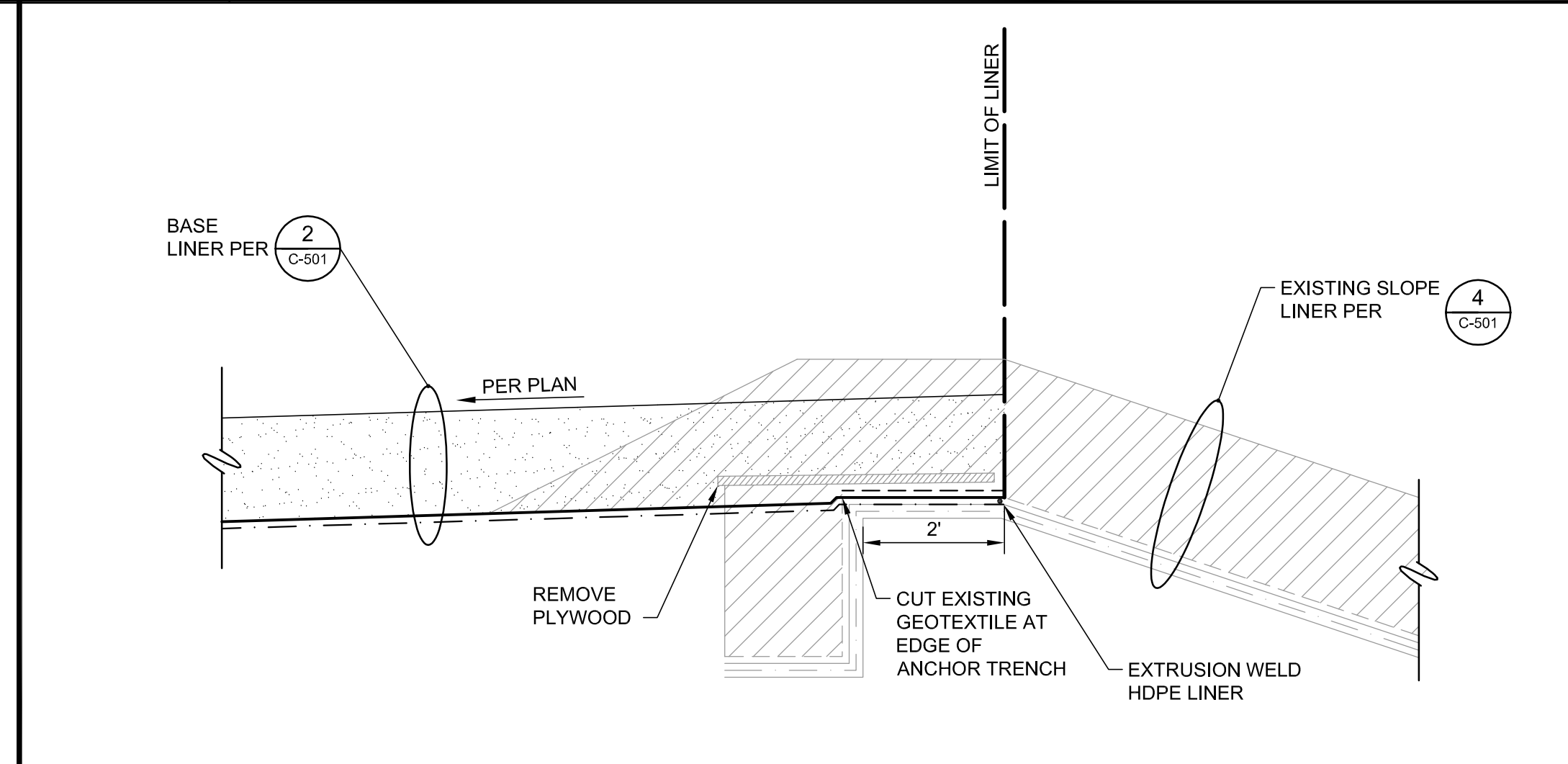
**2 LINER JOIN**  
 NTS REFERENCE SHEET: C-103



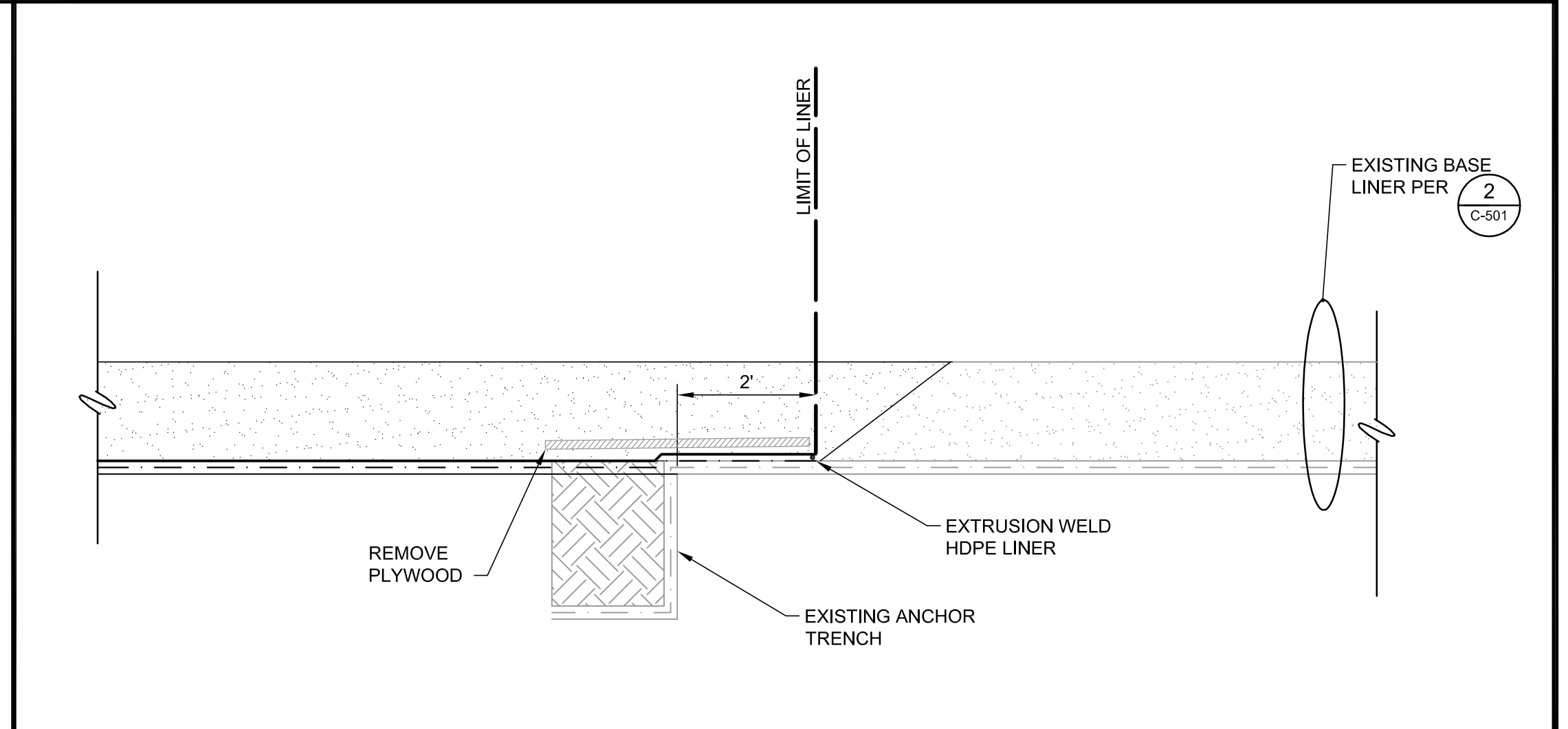
**3 BASE LINER JOIN**  
 NTS REFERENCE SHEET: C-103 C-106



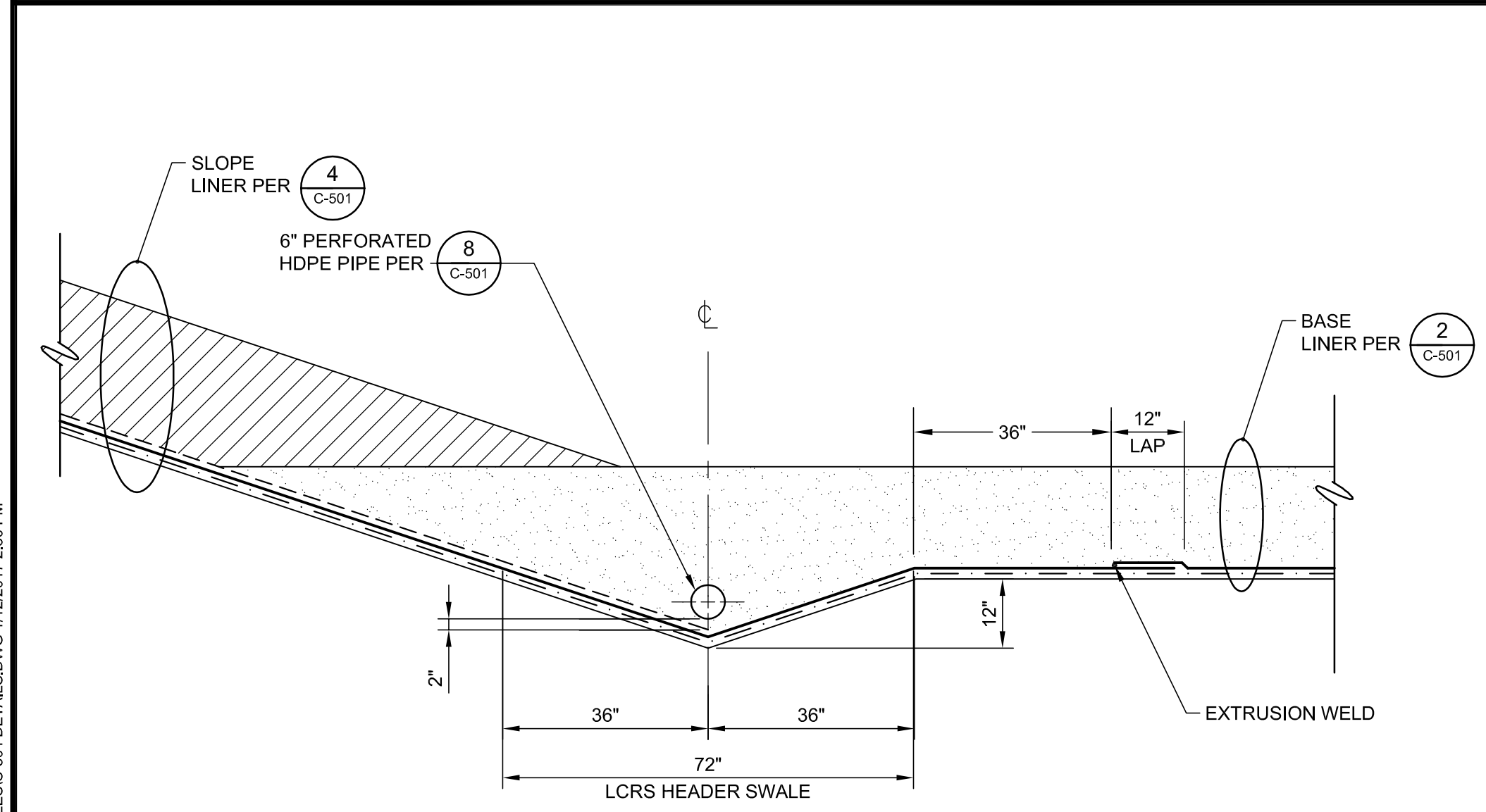
**4 6" LCRS MAINLINE AT TOP OF SLOPE**  
 NTS REFERENCE SHEET: C-101, C-103, C-106



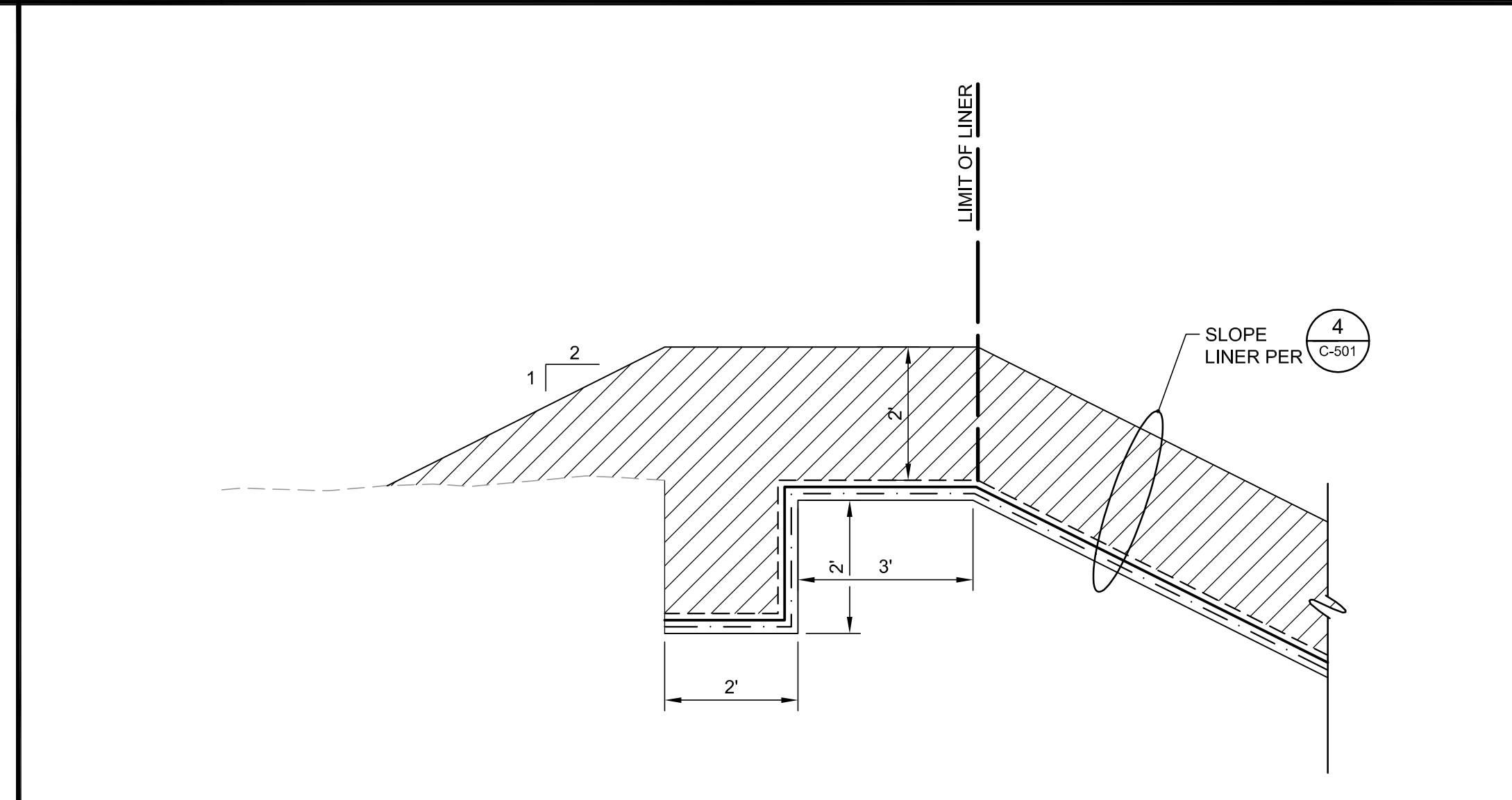
**5 LINER JOIN**  
 NTS REFERENCE SHEET: C-103



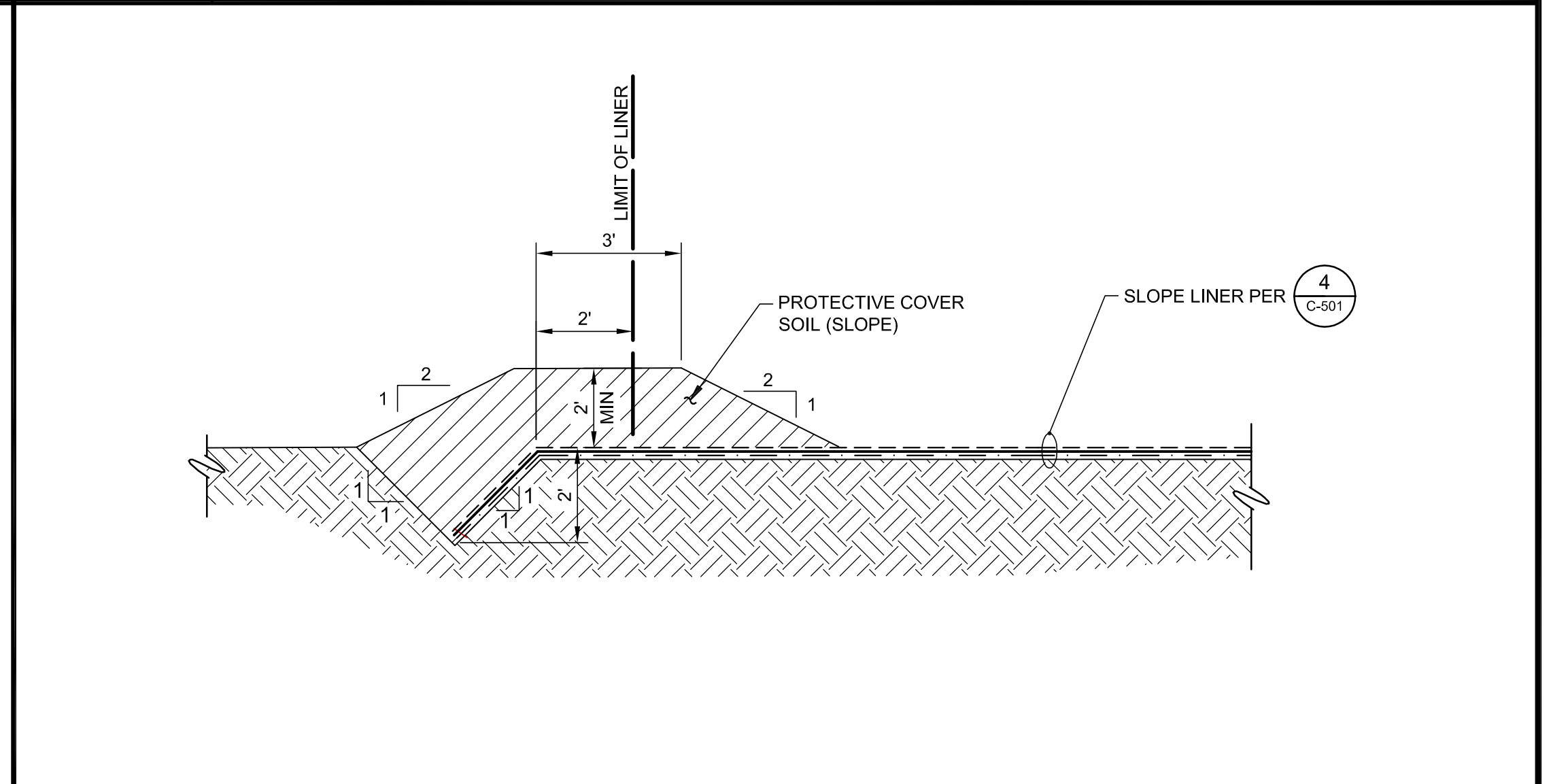
**6 BASE LINER JOIN**  
 NTS REFERENCE SHEET: C-103 C-106



**7 LCRS TOE DRAIN AND TRENCH**  
 NTS REFERENCE SHEET: C-101, C-103



**8 LINER TERMINATION**  
 NTS REFERENCE SHEET: C-101, C-103

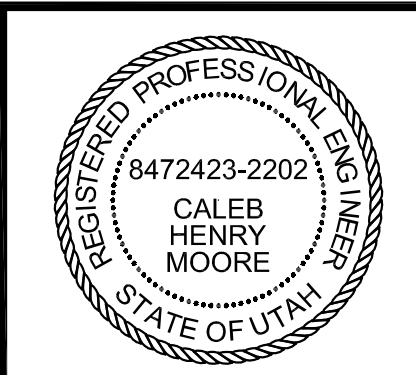


**9 SLOPE LINER TERMINATION**  
 NTS REFERENCE SHEET: C-101, C-103, C-106

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NO.	REVISION DESCRIPTION	BY:

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PROMONTORY POINT, LLC

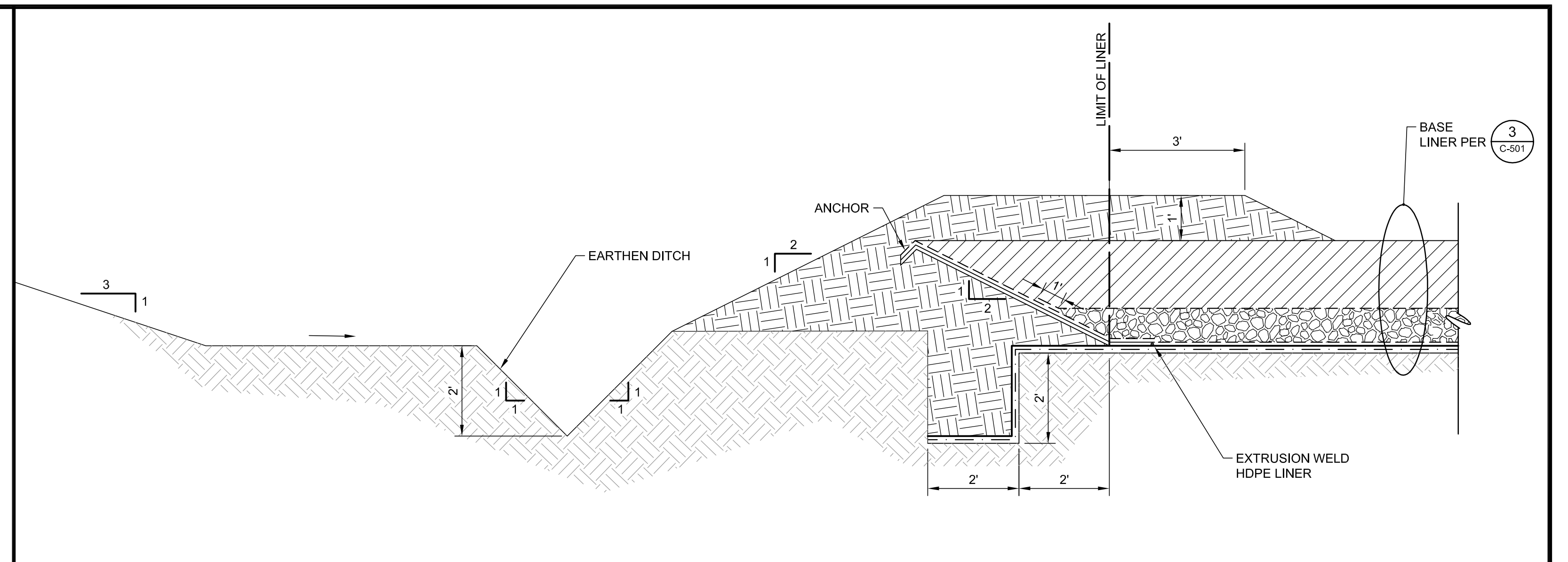
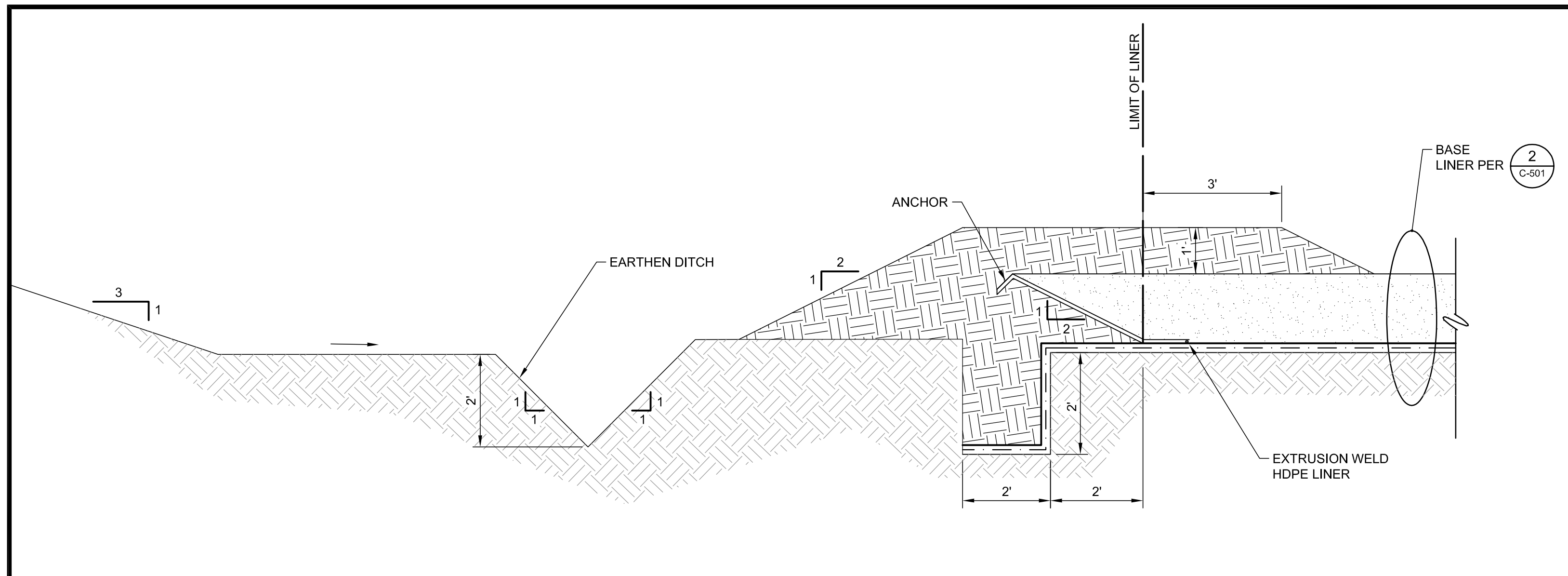
**DETAILS**

DESIGNED BY: DLL	FILE: C-504 Details.dwg
DRAWN BY: PV / ANP	DATE: 01-2017 SCALE: AS SHOWN
CHECKED BY: GES	DATE: 01-2017
APPROVED BY: CHM	DATE: 01-2017

**C-504**

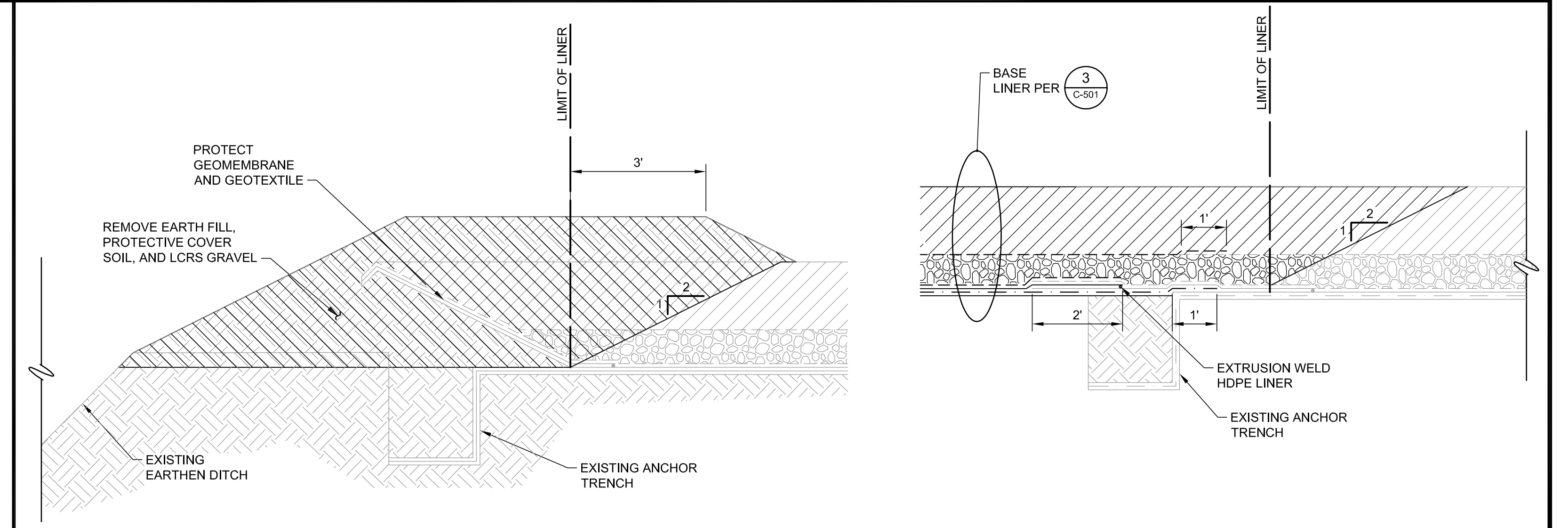
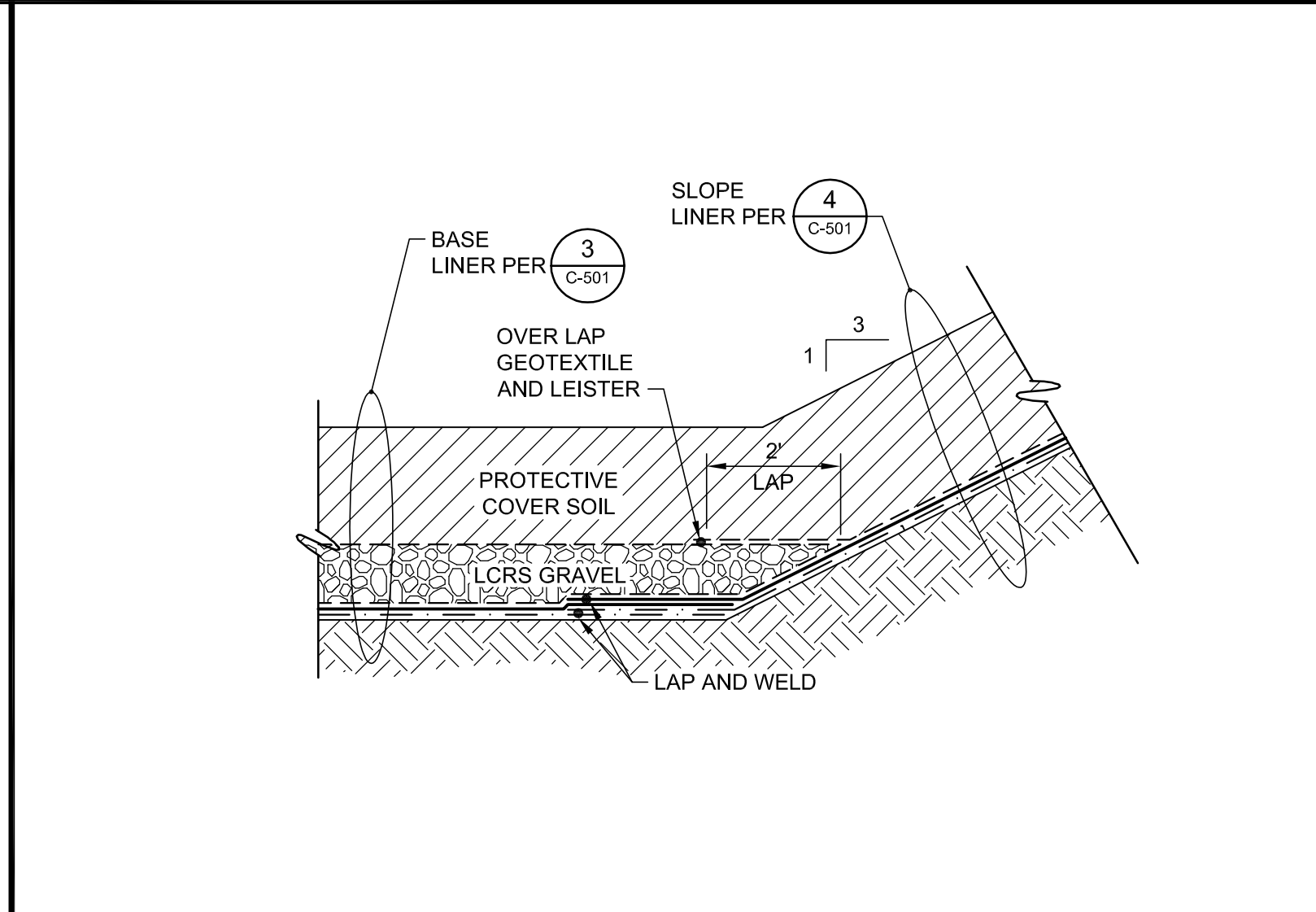
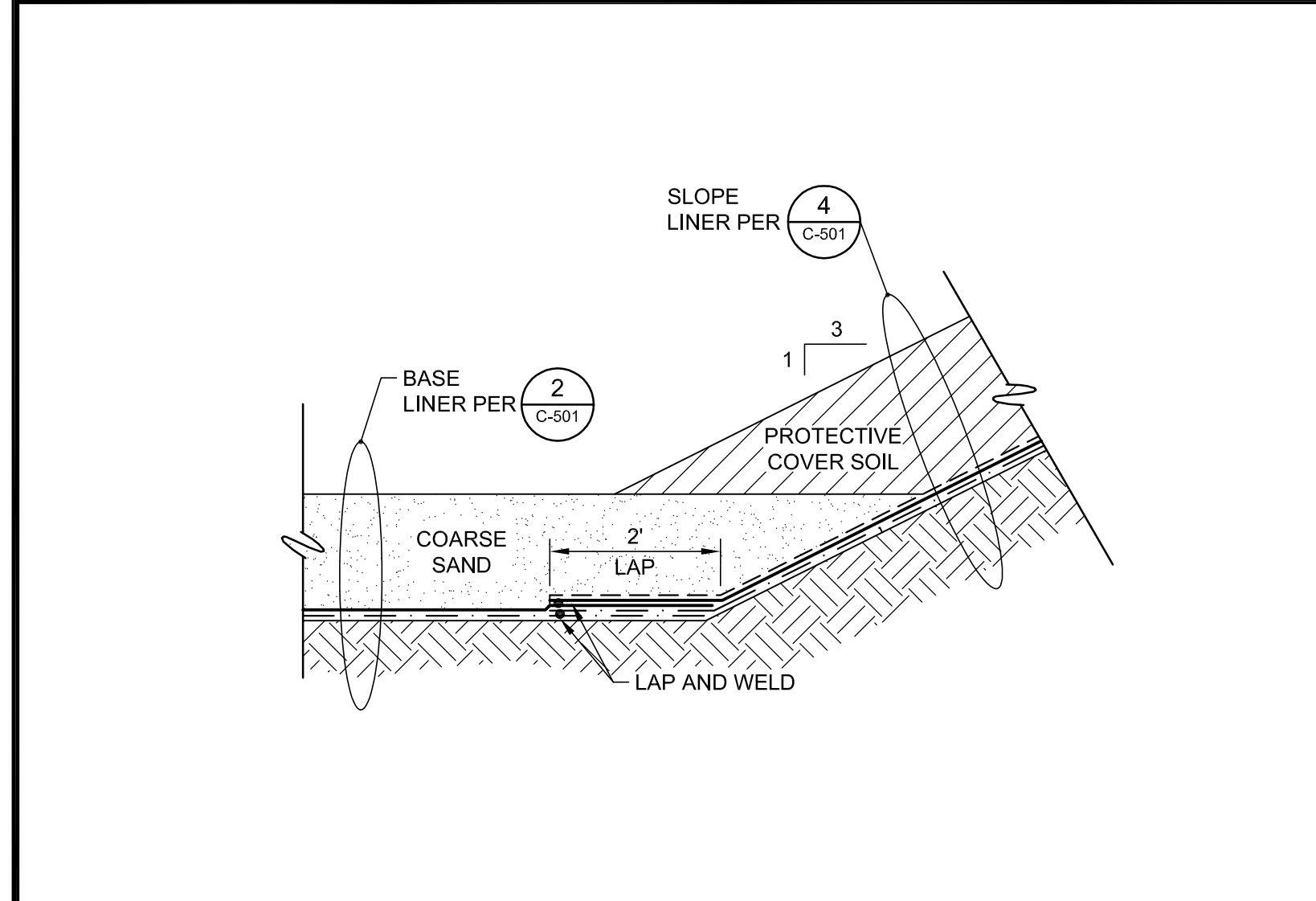
**FOR PERMIT PURPOSES ONLY - NOT FOR CONSTRUCTION**





**1** TEMPORARY LINER TERMINATION  
NTS REFERENCE SHEET: C-101 C-103 C-106

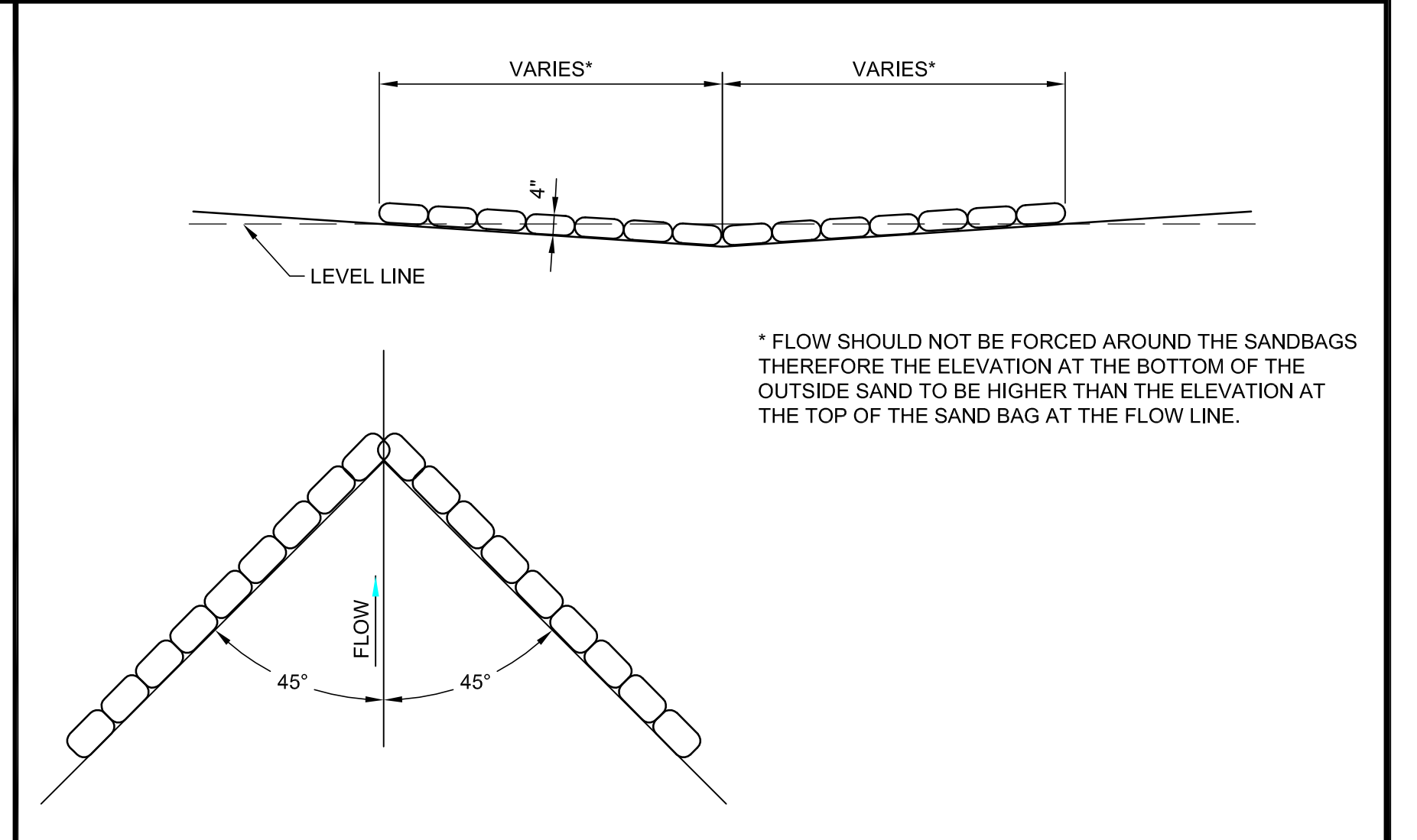
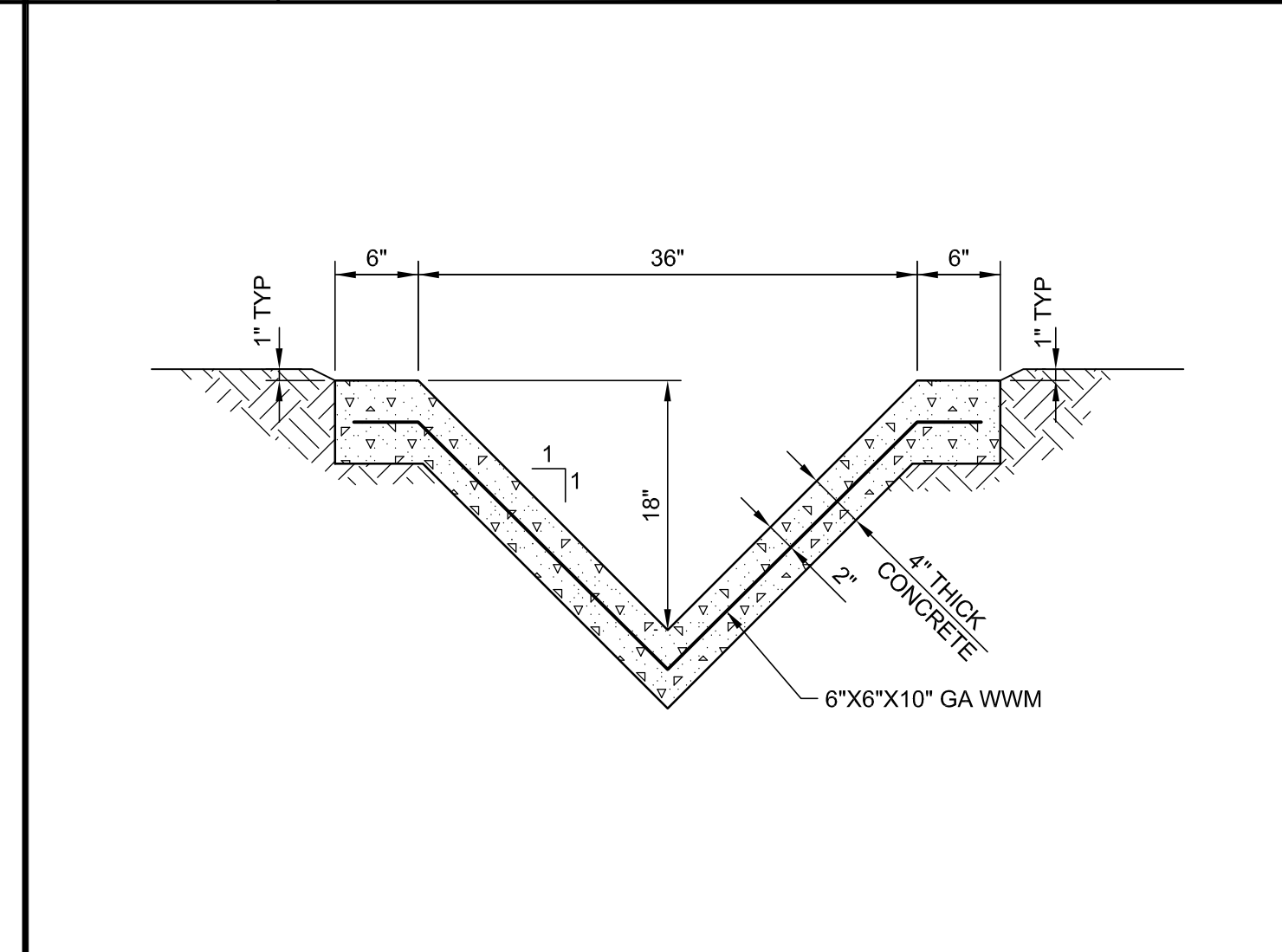
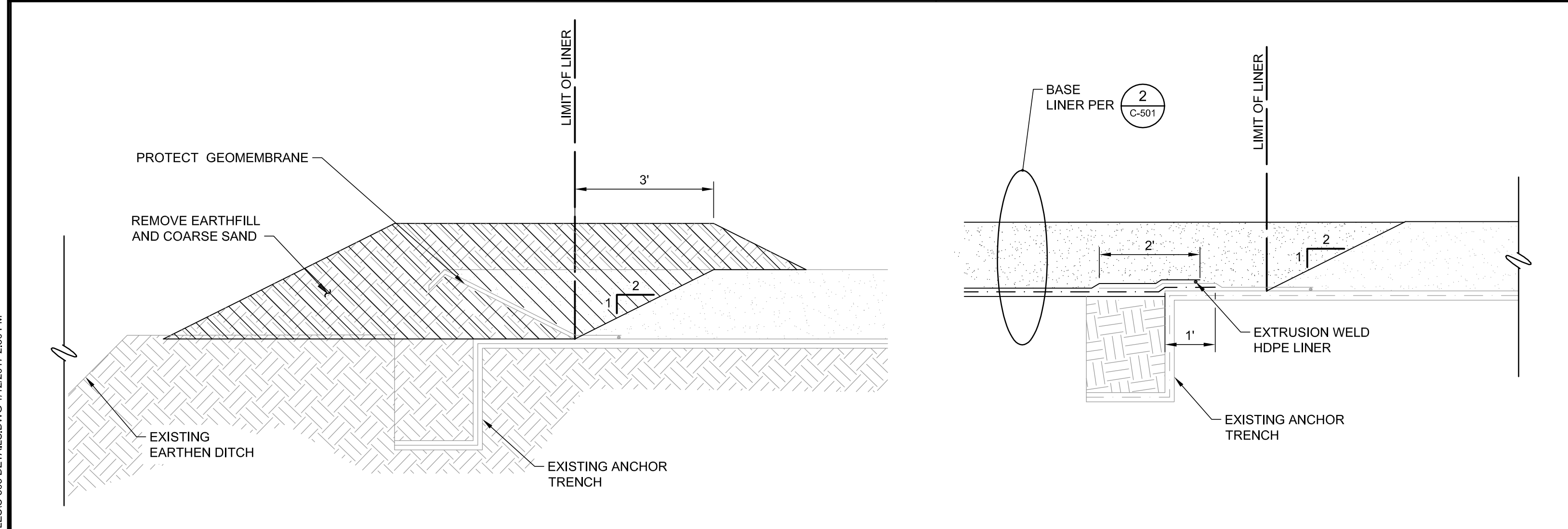
**2** TEMPORARY LINER TERMINATION  
NTS REFERENCE SHEET: C-101 C-103 C-106



**3** TOE LINER TRANSITION  
NTS REFERENCE SHEET:

**4** TOE LINER TRANSITION  
NTS REFERENCE SHEET:

**5** BASE LINER JOIN  
NTS REFERENCE SHEET: C-103



**6** BASE LINER JOIN  
NTS REFERENCE SHEET: C-103

**7** V-DITCH  
NTS REFERENCE SHEET: C-401

**8** SANDGAB CHEVRON  
NTS REFERENCE SHEET: C-401

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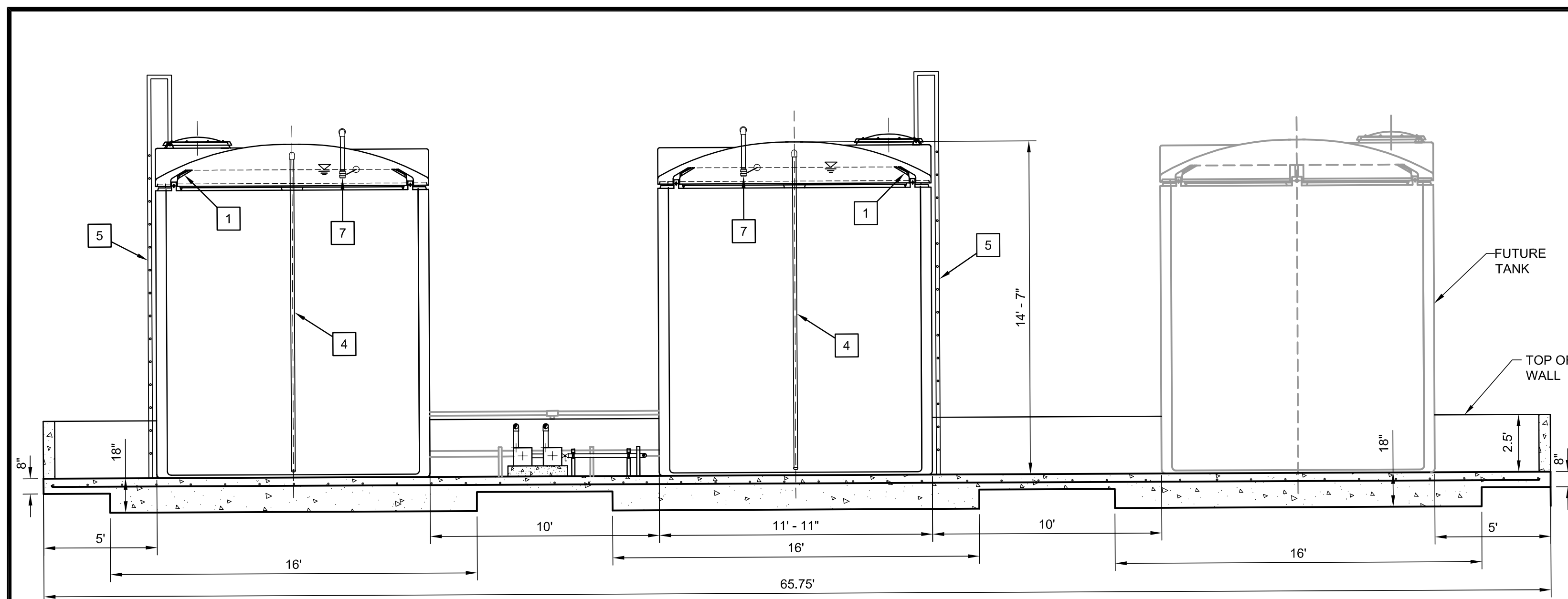
REGISTERED PROFESSIONAL ENGINEER  
8472423-2202  
CALEB HENRY MOORE  
STATE OF UTAH

PROMONTORY POINT, LLC  
**DETAILS**  
DESIGNED BY: DLL FILE: C-505 Details.dwg  
DRAWN BY: PV / ANP DATE: 01-2017 SCALE: AS SHOWN  
CHECKED BY: GES DATE: 01-2017  
APPROVED BY: CHM DATE: 01-2017  
**C-505**

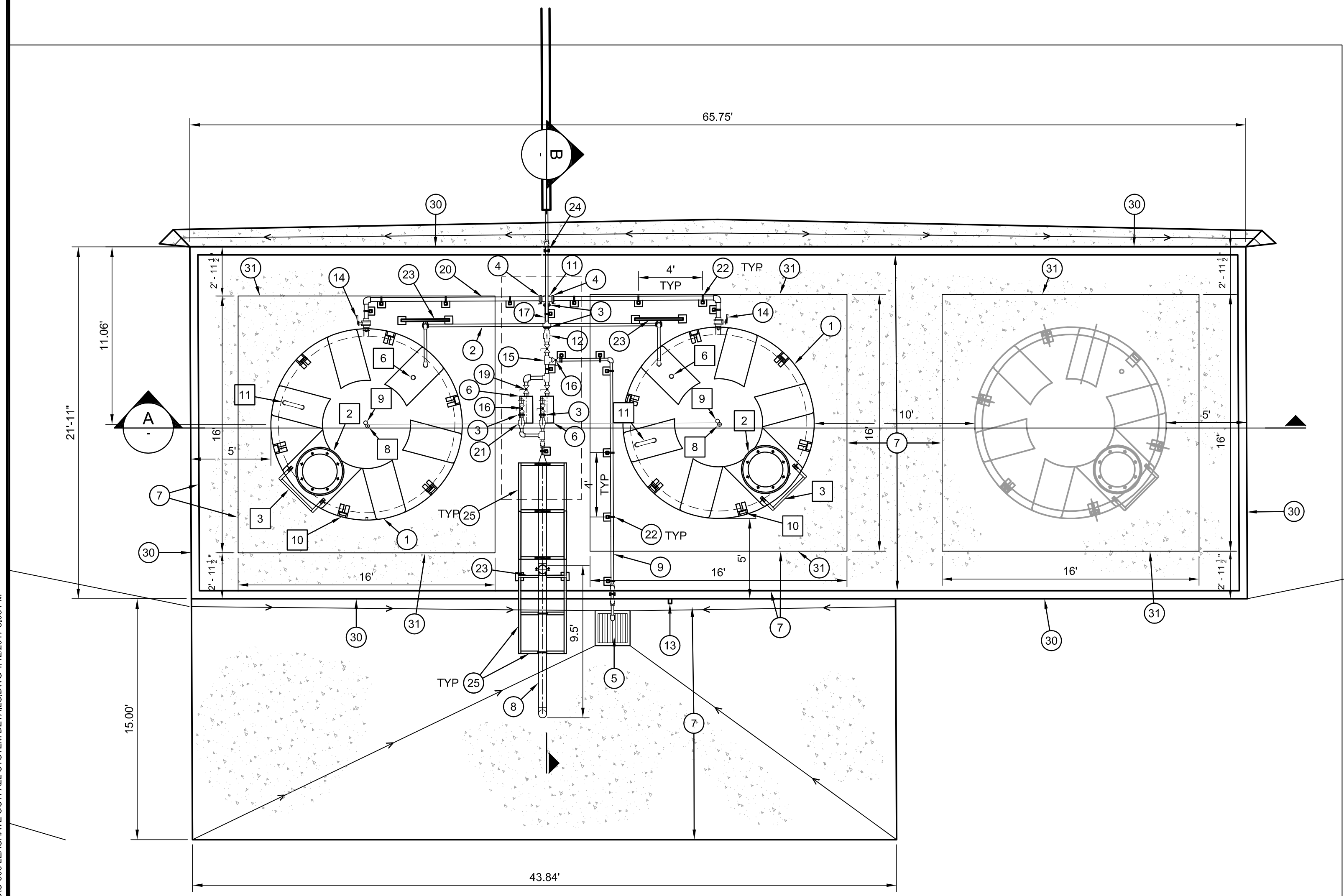
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**SECTION A**  
SCALE: 1" = 4'



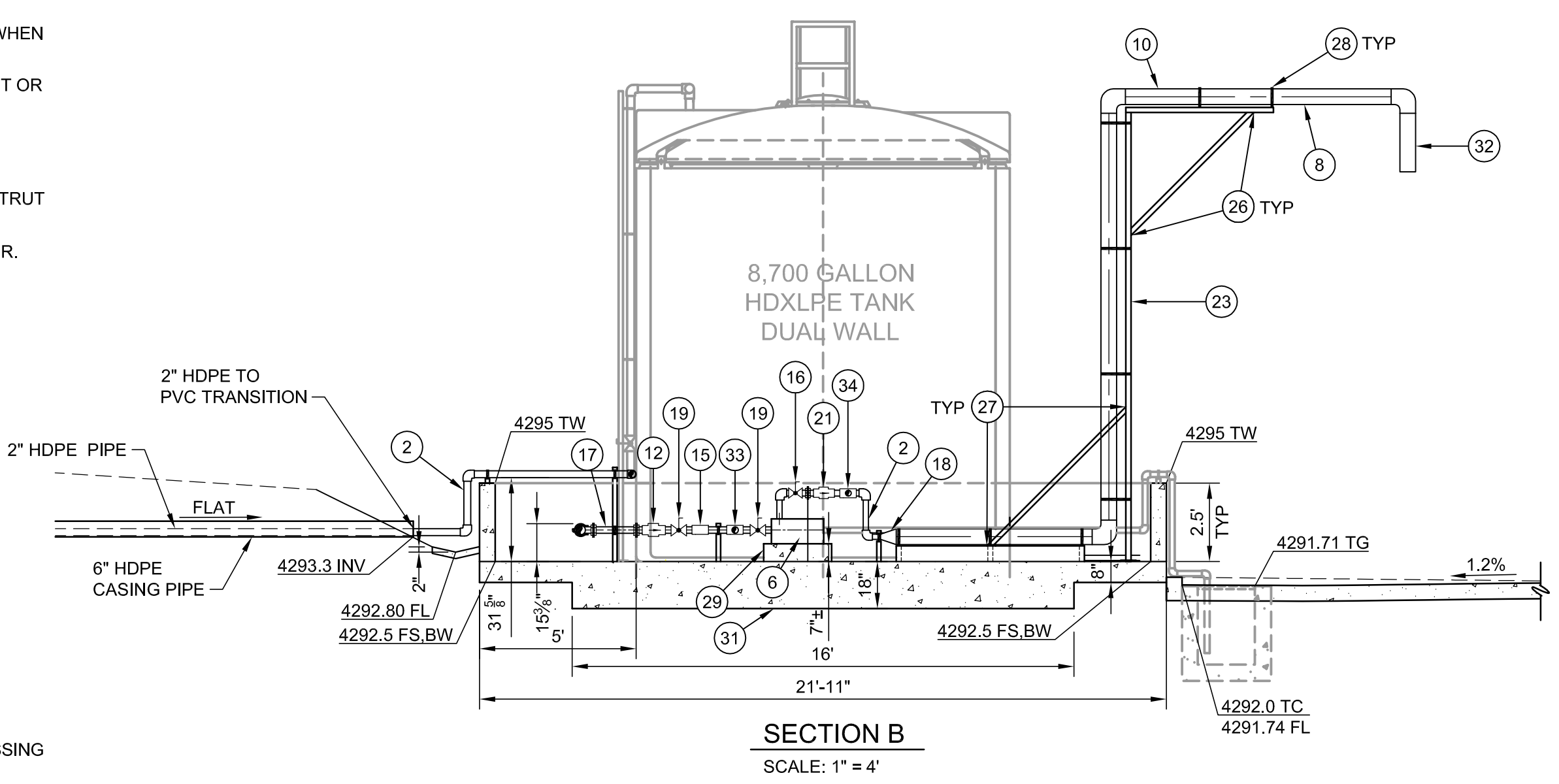
**1 LEACHATE TANK AND TANK PAD**  
SCALE: 1" = 5' REFERENCE SHEET: C-101

**TANK CONSTRUCTION NOTES**

- 1 MOLDED-IN LIFTING LUGS (6) PL, USE ALL LUGS WHEN LIFTING
- 2 24" POLY PROCESSING MANWAY INCLUDING VENT OR APPROVED EQUAL.
- 3 MOLDED-IN LADDER ATTACHMENT LUG TYP (2)
- 4 INSTALL 2" REVERSE FLOAT TYPE SIGHT GAUGE WITH PIPE SUPPORT. INCLUDE ADDITIONAL UNISTRUT PIPE SUPPORT. (2)
- 5 FIBERGLASS REINFORCED PLASTIC (FRP) LADDER.
- 6 INSTALL SONIC LEVEL INDICATOR TO CONTROL LEACHATE SUMP PUMP.
- 7 INSTALL SHUT OFF VALVE WITH FLOAT CONTROL ASSEMBLY SECURED INSIDE THE TANK
- 8 PRESSURE RELIEF VALVE (2)
- 9 HIGH LEVEL ALARM (2)
- 10 WIND/SEISMIC RESTRAINT (TYP)
- 11 U-VENT (2)

**CONSTRUCTION NOTES (THIS SHEET ONLY)**

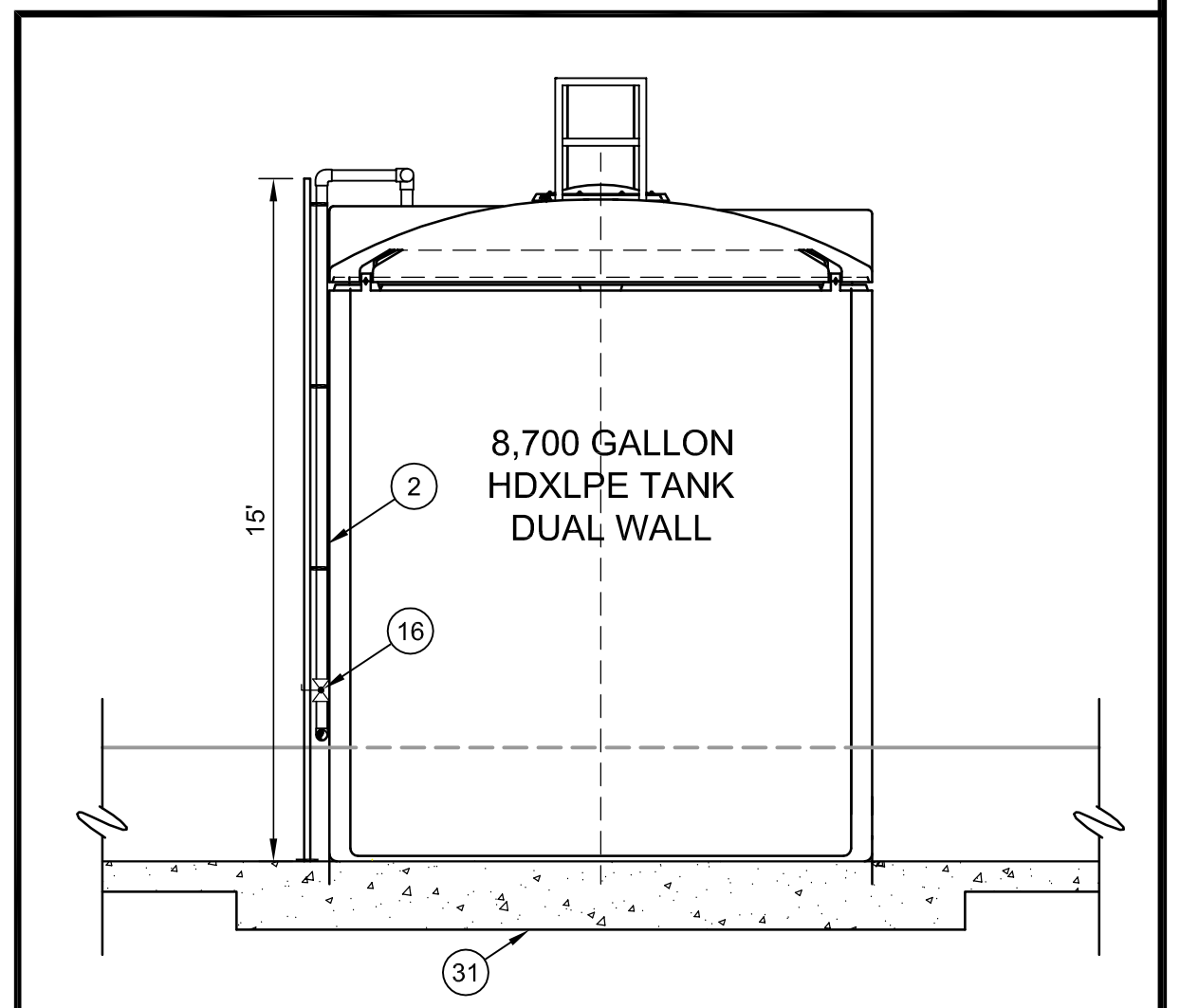
- 1 INSTALL LEACHATE STORAGE TANK, POLY PROCESSING 8,700 GALLON SAFE TANK DOUBLE WALL HIGH DENSITY CROSS-LINKED POLYETHYLENE.
- 2 INSTALL 2" PVC PIPE AND FITTINGS, SCH 80
- 3 INSTALL 2.5" PVC SCH 80, FLANGE, VANSTONE
- 4 INSTALL 3" PVC SCH 80, FLANGE, VANSTONE
- 5 INSTALL 18"x18"x30" BROOKS CONCRETE CATCH BASIN WITH TRAFFIC RATED FRAME AND GRATE OR EQUAL PER (2)
- 6 INSTALL GRUNDFOS 20501 LC ELECTRIC PUMP, (2) QTY WITH 2.5" INLET AND 2" OUTLET OR APPROVED EQUAL.
- 7 CONSTRUCT 8" THICK PCC CONCRETE FOUNDATION PAD (COMPRESSIVE STRENGTH OF 4,000 PSI), #5 REBAR @ 12" O.C. EACH WAY
- 8 INSTALL FILL STAND PER (5) C-506
- 9 INSTALL 2" PVC DRAIN PIPE AND FITTINGS WITH TRUE UNION BALL VALVE.
- 10 INSTALL 6" PVC, SCH 80
- 11 INSTALL 3" PVC, SCH 80 TEE, AND 3" TO 2.5" REDUCER
- 12 INSTALL 2.5" PVC CHECK VALVE
- 13 INSTALL MANUAL PUMP ON/OFF SWITCH, MOUNT TO WALL.
- 14 INSTALL TRUE UNION SHUT OFF VALVE. INCLUDE BELLOW EXPANSION JOINT.
- 15 INSTALL 2.5" PVC, SCH 80 TEE, AND 2.5" TO 2" REDUCER
- 16 INSTALL 2" PVC TRUE UNION BALL VALVE
- 17 INSTALL 2.5" PVC, SCH 80
- 18 INSTALL 6" TO 2" PVC PIPE REDUCER
- 19 INSTALL 2.5" PVC TRUE UNION BALL VALVE
- 20 INSTALL 3" PVC AND FITTINGS, SCH 40
- 21 INSTALL 2" PVC CHECK VALVE
- 22 INSTALL PIPE SUPPORT PER (1) C-503
- 23 INSTALL PIPE SUPPORT PER (3) C-503
- 24 INSTALL PIPE SUPPORT PER (2) C-503
- 25 1 5/8" GALVANIZED P1000 UNISTRUT CHANNEL (OR APPROVED EQUAL)
- 26 UNISTRUT P2265 ANGLE BRACKET (45°) (GALVANIZED) (OR APPROVED EQUAL)
- 27 UNISTRUT P2267 ANGLE BRACKET (60°) (GALVANIZED) (OR APPROVED EQUAL)
- 28 GALVANIZED PIPE CLAMP
- 29 CONSTRUCT 7" THICK CONCRETE HOUSEKEEPING PAD
- 30 CONSTRUCT SECONDARY CONTAINMENT RETAINING WALL PER SECTION C HEREON, DETAILS 1-4 ON SHEET C-505 AND PER (2)
- 31 CONSTRUCT 18" THICK CONCRETE MAT FOUNDATION WITH #7 @ 12" OC. BOTH WAYS, TOP & BOTTOM, TO BE VERIFIED BY TANK MANUFACTURER.
- 32 INSTALL PVC SOCK
- 33 INSTALL 2.5" PVC, SCH 80 TEE
- 34 INSTALL 2" PVC, SCH 80 TEE



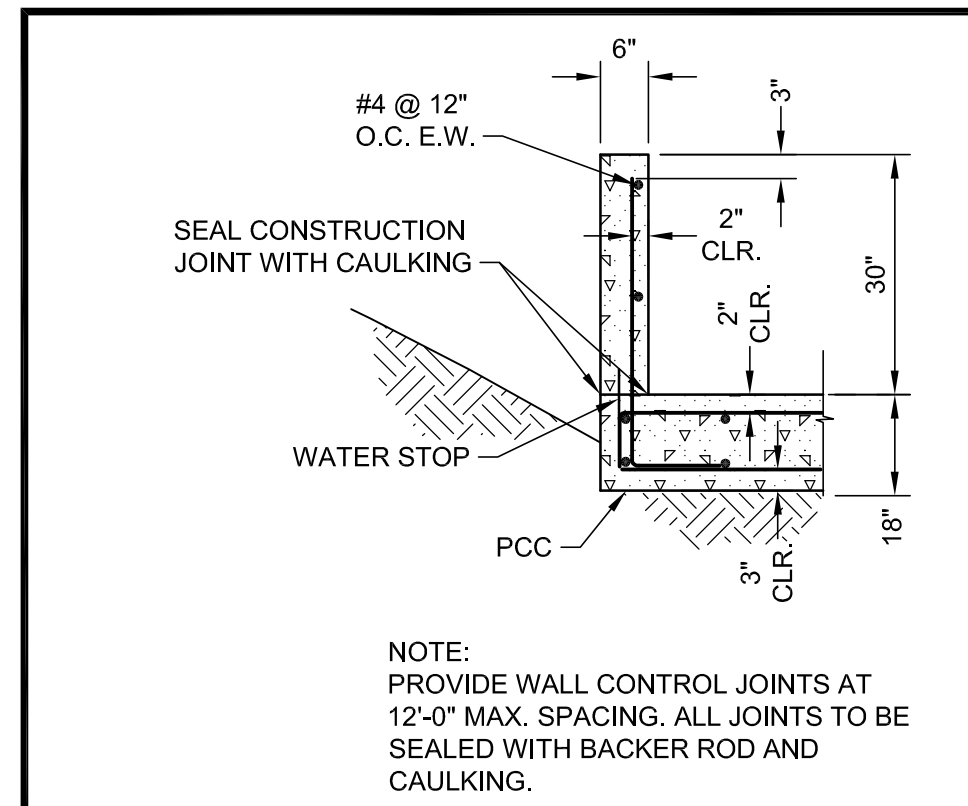
**SECTION B**  
SCALE: 1" = 4'

**NOTES:**

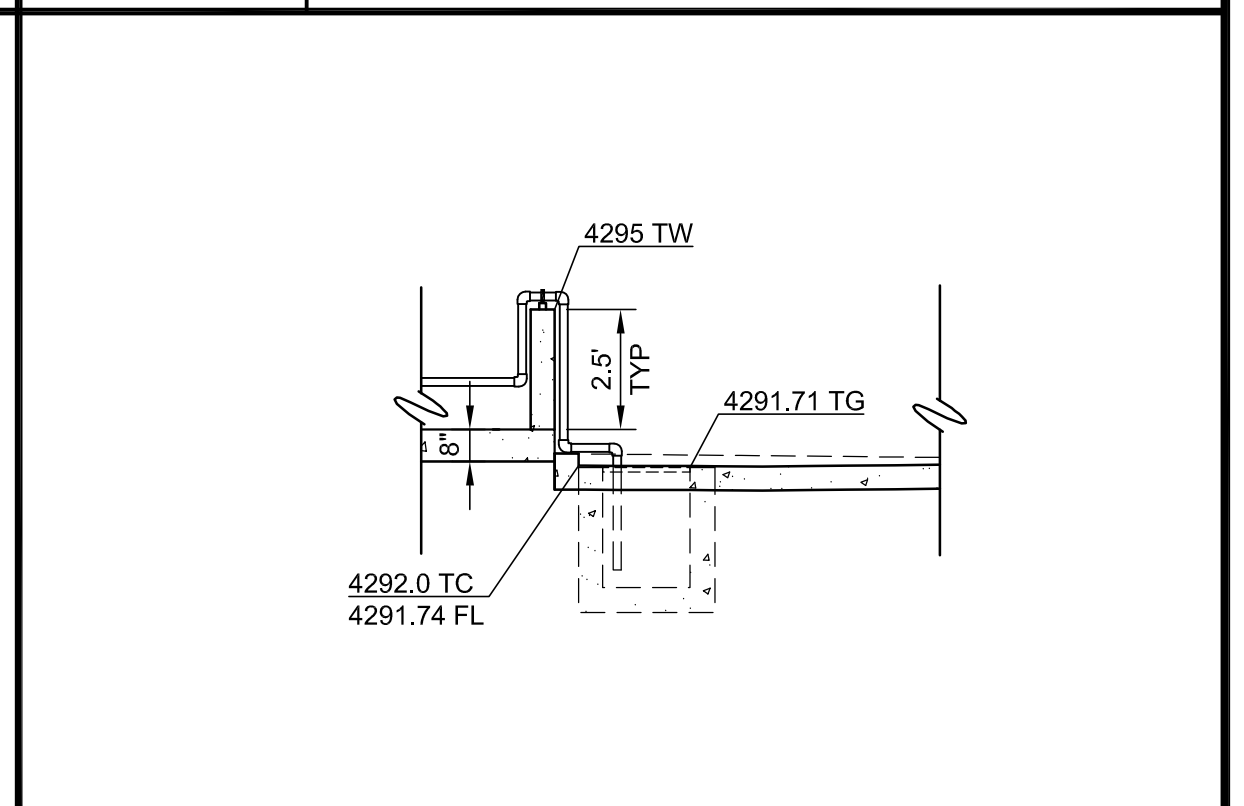
- 1. PERSONAL PROTECTIVE EQUIPMENT MUST BE WORN AT ALL TIMES WHEN HANDLING OPEN LEACHATE AND WASTE. PER SITE HEALTH AND SAFETY PLAN.
- 2. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL REQUIRED PIPE, FITTINGS AND SUPPORTS TO ACHIEVE THE INTENT OF THE STORAGE FACILITY DESIGN.
- 3. CONTRACTOR SHALL SUBMIT CALCULATIONS AND DETAILS FOR WIND AND SEISMIC RESTRAINTS OF LEACHATE STORAGE TANKS FOR REVIEW AND ACCEPTANCE.
- 4. ALL EXPOSED PVC PIPING SHALL BE COMPLETELY COATED FOR UV PROTECTION PER SPECIFICATIONS.
- 5. CONTRACTOR SHALL SUBMIT STRUCTURAL CALCULATIONS AND DETAILS FOR TANK FOUNDATIONS AND CONCRETE SLABS FOR REVIEW AND ACCEPTANCE.
- 6. LEACHATE TANKS SHALL INCLUDE EMERGENCY AIR SURGE PROTECTION.
- 7. ALL PIPE SUPPORT MATERIALS SHALL BE GALVANIZED CARBON STEEL.
- 8. ALL EQUIPMENT ANCHORS SHALL BE 316 STAINLESS STEEL AND SHALL BE COATED WITH AN APPROVED ANTI-SIEZE COMPOUND.
- 9. ALL TANK CONNECTIONS SHALL INCLUDE A BELLOW TRANSITION FITTING/EXPANSION JOINT. THE TRANSITION FITTING/EXPANSION JOINT SHALL BE INSTALLED AND SUPPORTED PER MANUFACTURERS RECOMMENDATIONS.
- 10. ANCHORAGE FOR TANKS SHALL BE DESIGNED BY THE MANUFACTURER TO RESIST WIND AND SEISMIC FORCES. MANUFACTURER SHALL SUBMIT CALCULATIONS AND SHOP DRAWINGS SIGNED AND STAMPED BY A UTAH LICENSED CIVIL OR STRUCTURAL ENGINEER PRIOR TO FABRICATION FOR EACH TANK. A MINIMUM OF 6 ANCHORING LOCATIONS WITH 3/4" DIA. S.S. ANCHORS EMBEDDED 12" MIN. INTO TANK FOUNDATION SHALL BE PROVIDED. ANCHOR BOLTS FOR TANK ANCHORAGE SHALL BE STAINLESS STEEL THREADED RODS. EXPANSION ANCHORS MAY NOT BE USED FOR THE ANCHORAGE OF TANKS.



**1 TANK INLET AND SUPPORT**  
SCALE: 1" = 4' REFERENCE SHEET: C-506



**2 RETAINING WALL**  
SCALE: 1" = 2' REFERENCE SHEET: C-506

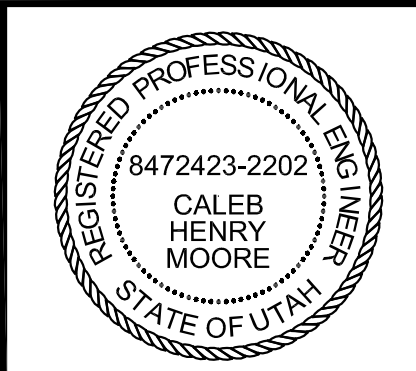


**3 CATCH BASIN**  
SCALE: 1" = 4' REFERENCE SHEET: C-506

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NO.	REVISION DESCRIPTION	BY:

**TETRA TECH BAS**  
1360 Valley Vista Drive, Diamond Bar, CA 91765  
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PROMONTORY POINT, LLC  
**LEACHATE OUTFALL SYSTEM DETAILS**

DESIGNED BY: DLL	FILE: C-506 Leachate Outfall System Details.dwg
DRAWN BY: PV / ANP	DATE: 01-2017 SCALE: AS SHOWN
CHECKED BY: GES	DATE: 01-2017
APPROVED BY: CHM	DATE: 01-2017

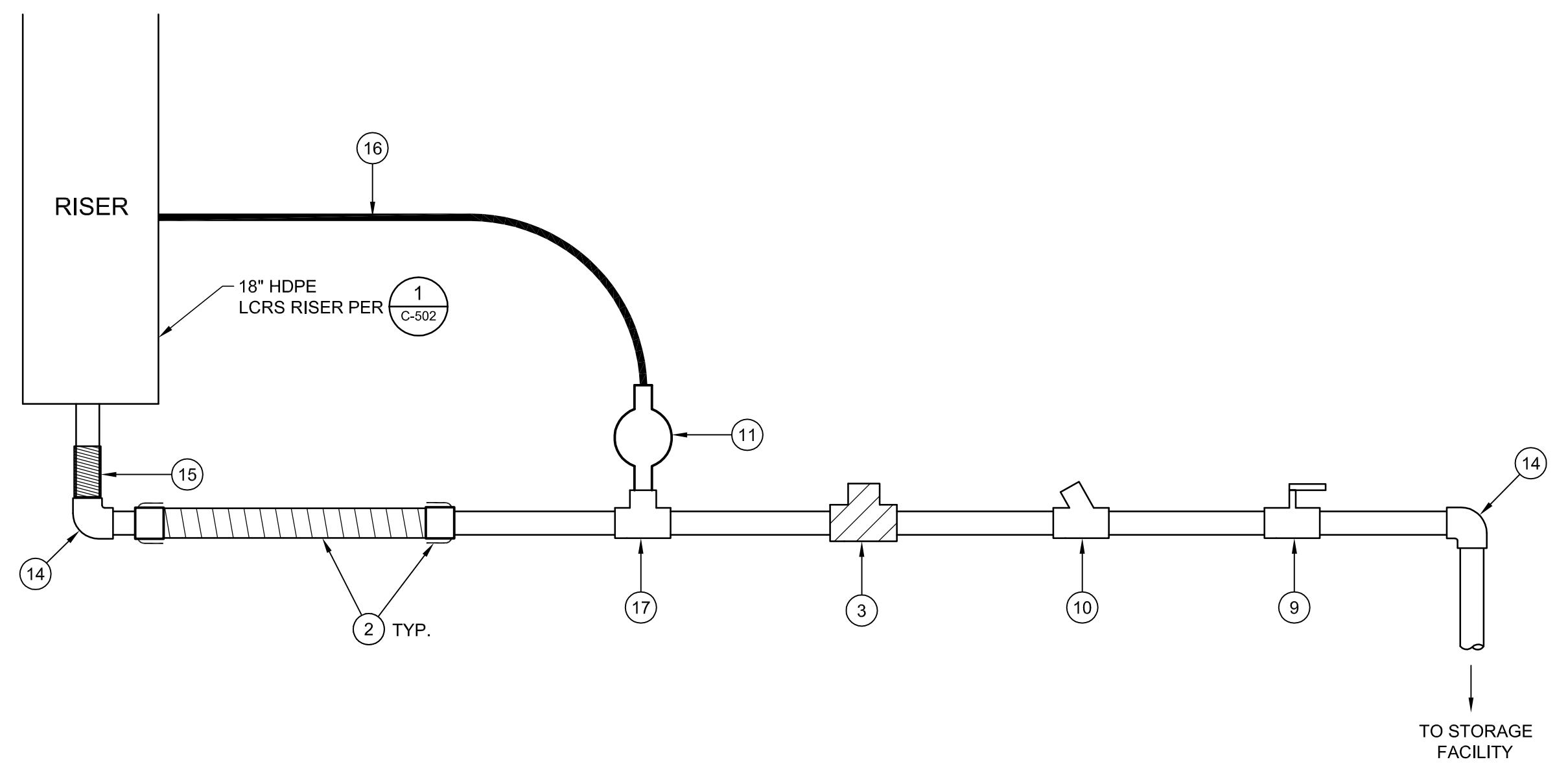
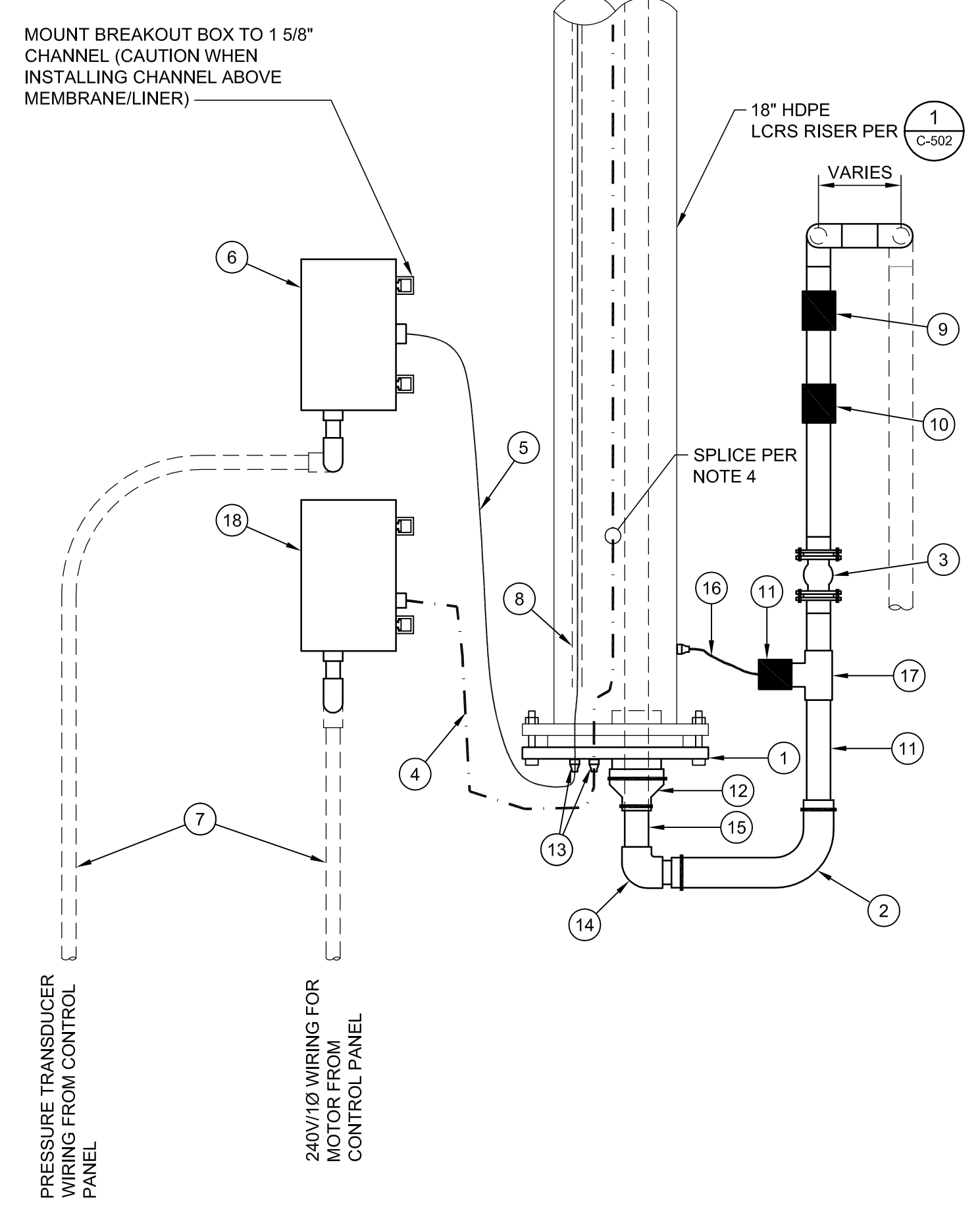
**C-506**

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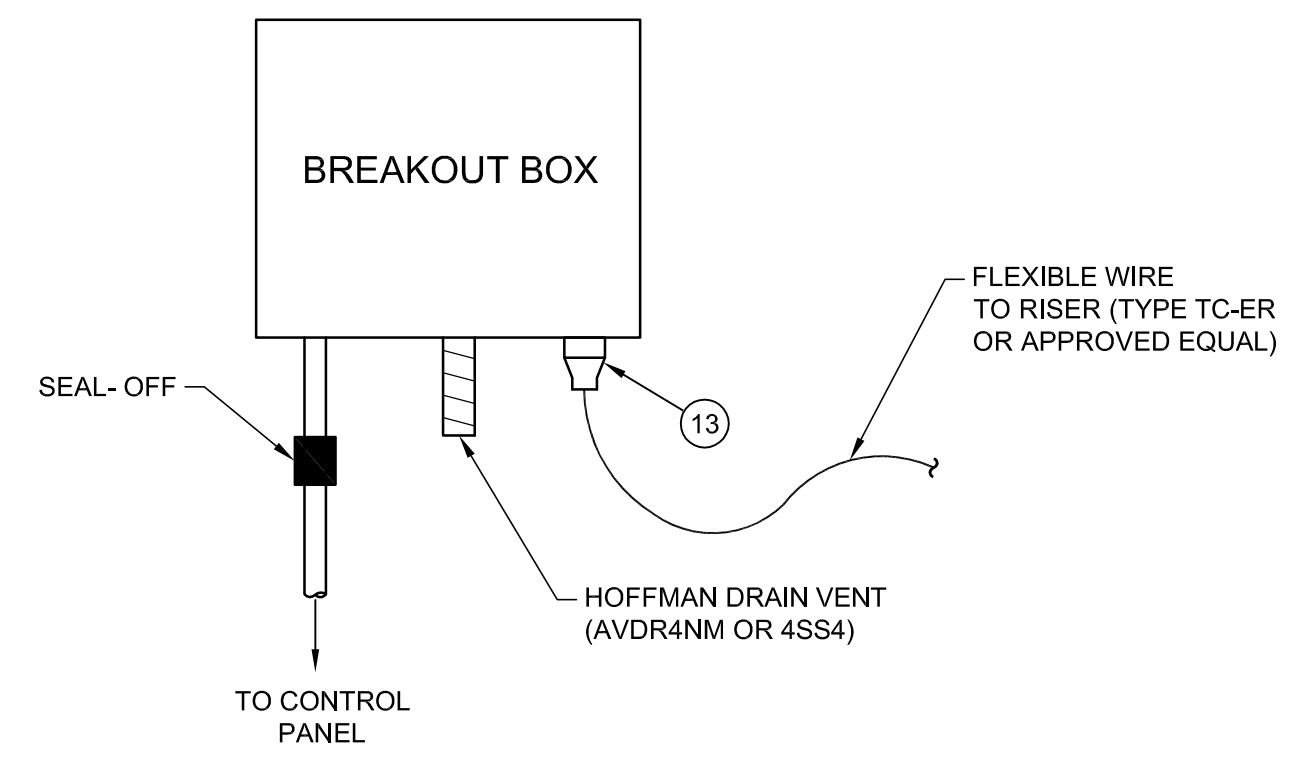
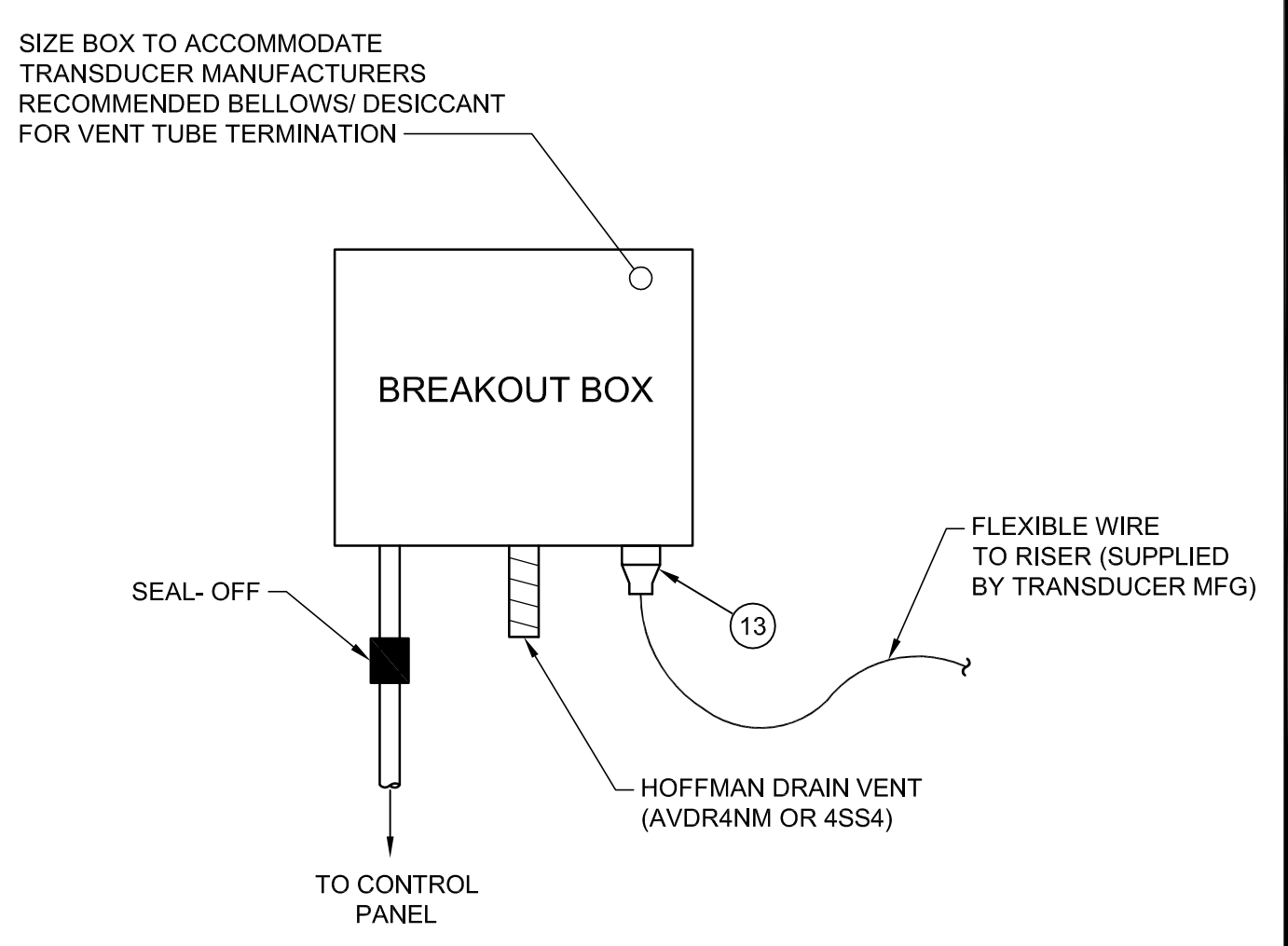
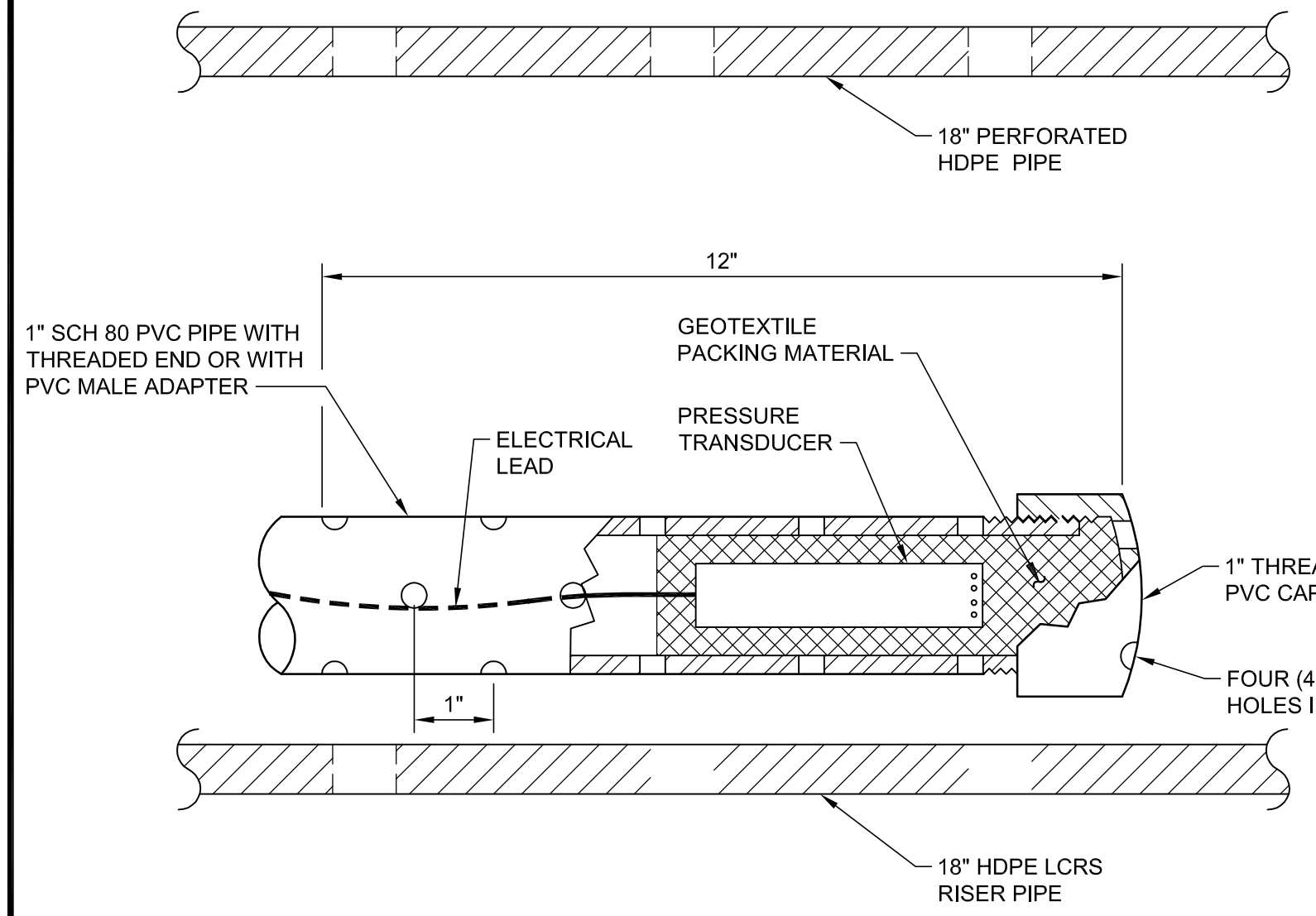
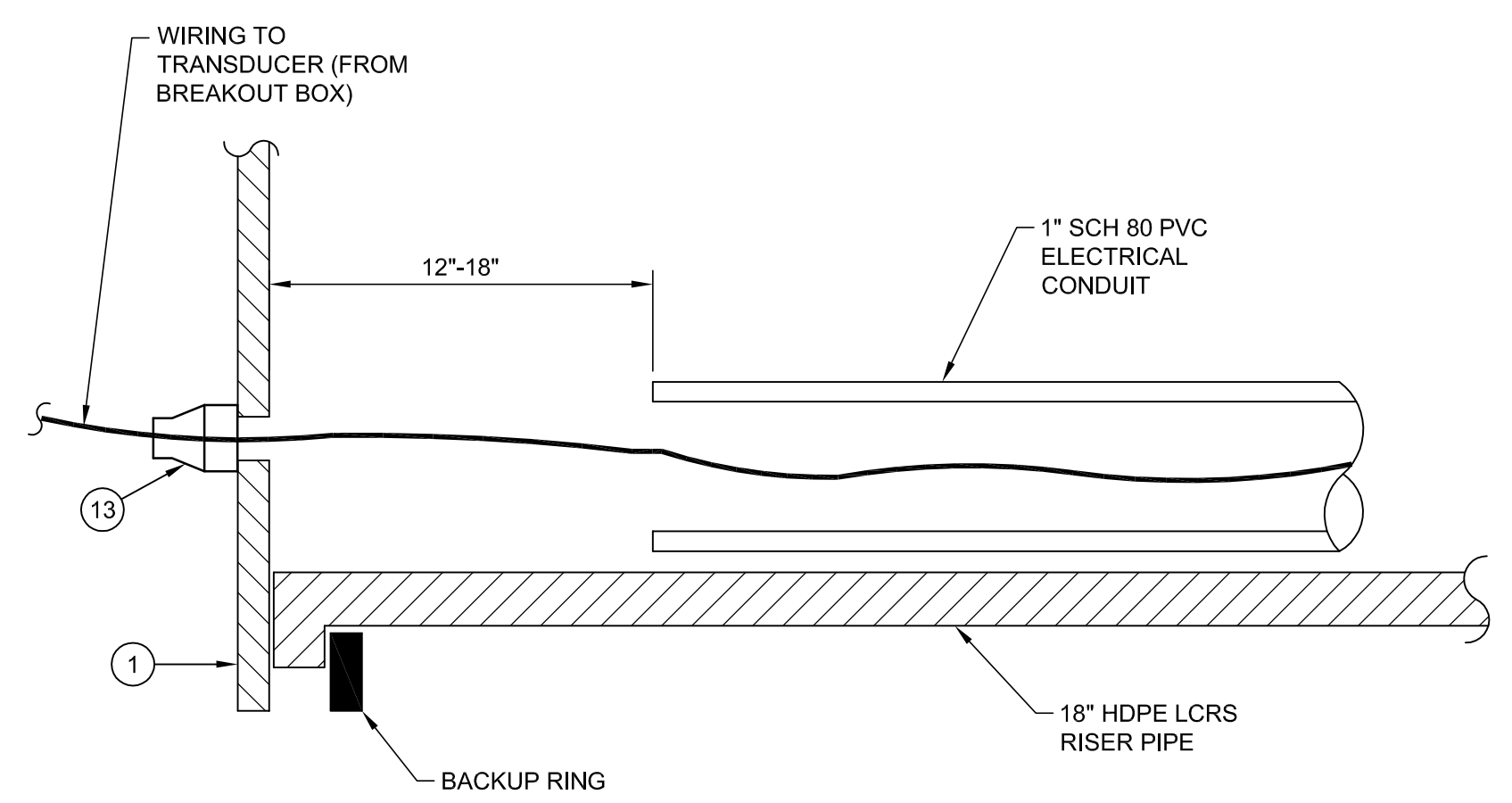
**CONSTRUCTION NOTES**

- 1 REAL ENVIRONMENTAL PRODUCTS FLANGE PLATE (ONE 4" PIPE PIPE STUB WELDED THROUGH FLANGE)
- 2 2" HIGH PRESSURE FLEX HOSE WITH SS CLAMPS. PAINT YELLOW FOR U.V. PROTECTION
- 3 FLOW METER MCMMASTER - CAAR 4041K26
- 4 ELECTRICAL CORD, 12/4, TYPE SOOW FROM BREAKOUT BOX TO INSIDE RISER. USE SUBMERSIBLE PUMP SPLICE KIT INSIDE RISER TO TRANSITION TO 12/4 FLAT-JACKETED PUMP WIRE
- 5 PRESSURE TRANSDUCER WIRE - NO SPLICES OR CUTS FROM TRANSDUCER TO BREAKOUT BOX TO PRESERVE INTEGRITY OF VENT TUBE.
- 6 NEMA 4X STAINLESS STEEL TRANSDUCER BREAKOUT BOX MOUNTED TO 1 5/8" CHANNEL. INSTALL HOFFMAN DRAIN VENT IN BOTTOM OF EACH BOX PER 5
- 7 ELECTRICAL CONDUITS TO CONTROL PANEL. INSTALL SEALOFFS AND COMPLY WITH NEC FOR MATERIALS AND BURIAL
- 8 TOP END OF TRANSDUCER TUBE PER 3
- 9 2" ISOLATION VALVE MCMMASTER - CAAR 5539T28 OR 49355K28
- 10 2" STAINLESS STEEL SWING-TYPE CHECK VALVE MCMMASTER - CAAR 46635K69
- 11 AIR RELIEF VALVE - PLUMB EXHAUST VENT TO RISER PIPE (STAINLESS STEEL) MCMMASTER - CAAR 8126K12
- 12 4" x 2" FERNCO COUPLING
- 13 NEMA 4X CORD GRIP - SIZE TO WIRE - DRILL AND TAP THREADS INTO FLANGE PLATE
- 14 2" STAINLESS ELBOW FITTING
- 15 2" NPT STAINLESS HDPE TO PVC TRANSITION FITTING.
- 16 1/4" VENT TUBE. DRILL AND TAP HOSE BARB INTO RISER
- 17 2" STAINLESS TEE FITTING
- 18 NEMA 4X STAINLESS STEEL PUMP POWER BREAKOUT BOX MOUNTED TO 1 5/8" CHANNEL. INSTALL HOFFMAN DRAIN VENT IN BOTTOM OF EACH BOX PER 5



**1 TOP OF RISER CONNECTION LAYOUT**  
NTS REFERENCE SHEET: C-101

**2 METERING PIPE RUN**  
NTS REFERENCE SHEET: C-101



**3 TOP END OF TRANSDUCER TUBE DETAIL**  
NTS REFERENCE SHEET: C-101

**4 BOTTOM END OF TRANSDUCER TUBE**  
NTS REFERENCE SHEET: C-101

**5 TRANSDUCER BREAKOUT BOX**  
NTS REFERENCE SHEET: C-101

**6 PUMP POWER BREAKOUT BOX (TYP)**  
NTS REFERENCE SHEET: C-101

NO.	REVISION DESCRIPTION	BY:

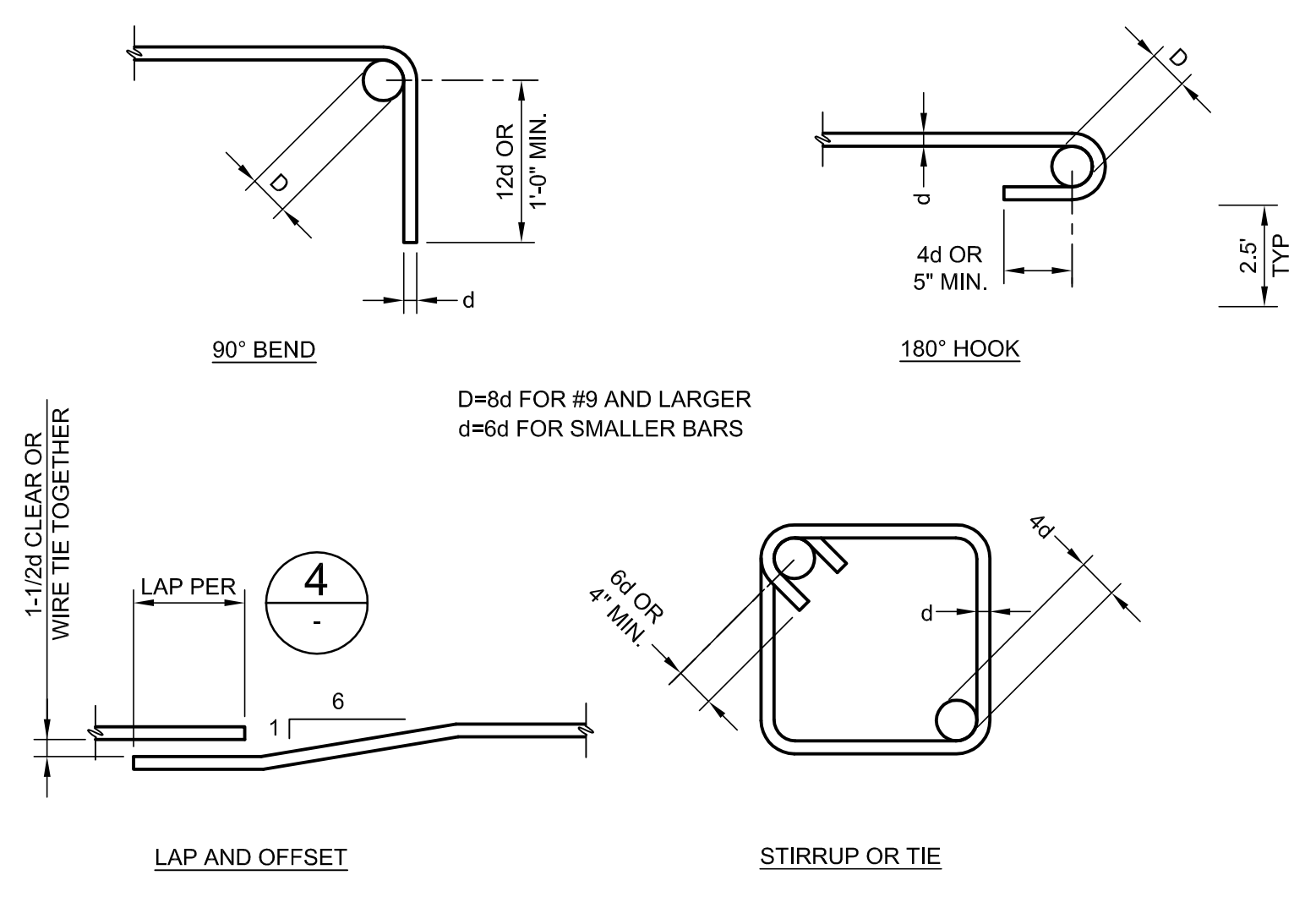
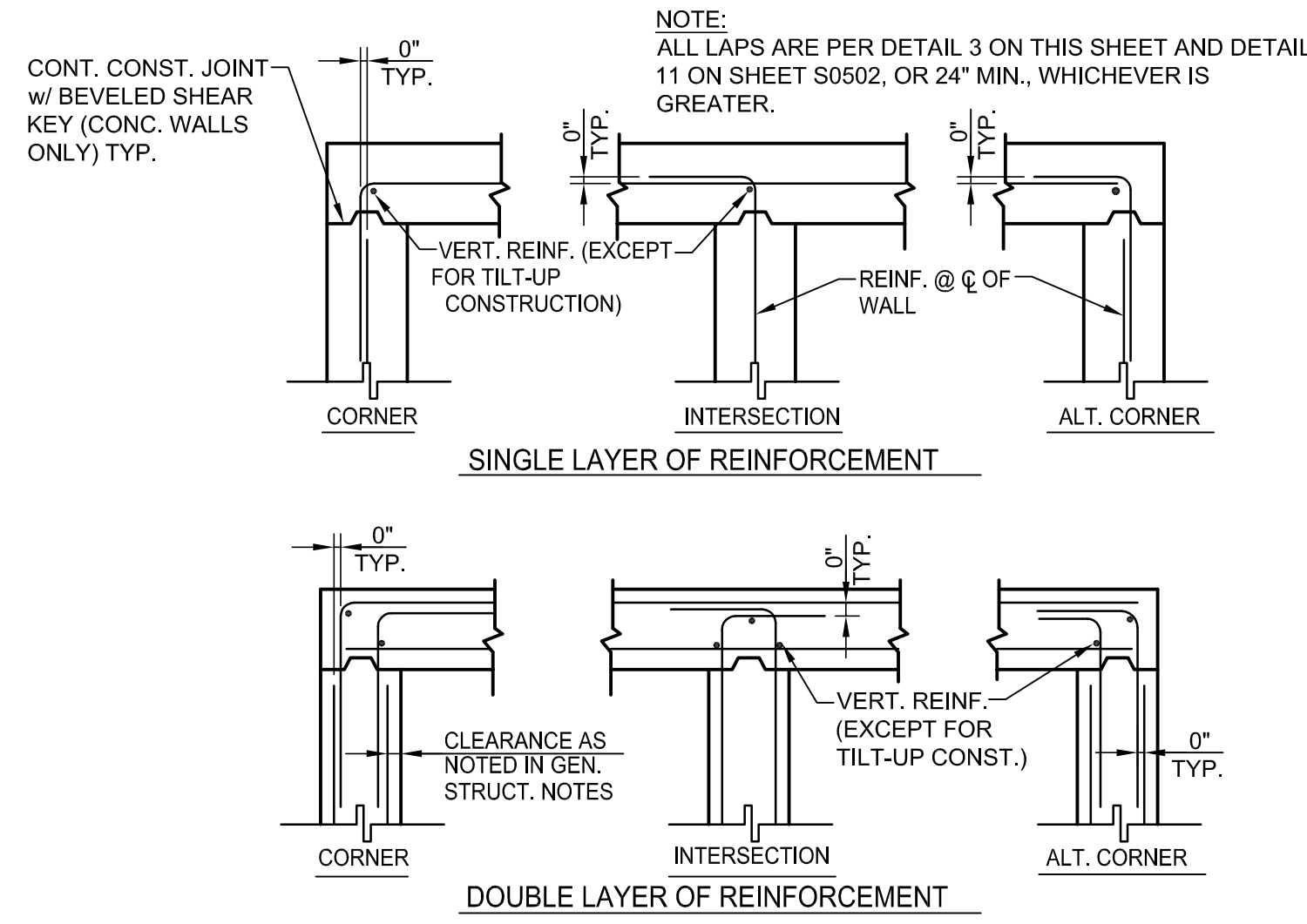

**TETRA TECH BAS**  
1360 Valley Vista Drive, Diamond Bar, CA 91765  
TEL 909.860.7777 FAX 909.860.8017

REGISTERED PROFESSIONAL ENGINEER  
8472423-2202  
CALEB HENRY MOORE  
STATE OF UTAH

PROMONTORY POINT, LLC  
**LEACHATE CONTROL DETAILS**  
DESIGNED BY: DLL FILE: C-507 Leachate Control Details.dwg  
DRAWN BY: PV / ANP DATE: 01-2017 SCALE: AS SHOWN  
CHECKED BY: GES DATE: 01-2017  
APPROVED BY: CHM DATE: 01-2017  
**C-507**

P:\FROM PT LLOPROM PT LFCELL \CAD\SHEETFILES\C-507 LEACHATE CONTROL DETAILS.DWG 1/12/2017 2:30 PM





REINFORCING LAP SPLICE SCHEDULE				
BAR	$f_c=2500$	$f_c=3000$	$f_c=4000$	$f_c=5000$
	L (inches)	L (inches)	L (inches)	L (inches)
3	24	22	19	17
4	32	29	25	23
5	39	36	31	28
6	47	43	37	34
7	69	63	54	49
8	78	72	62	56
9	88	81	70	63

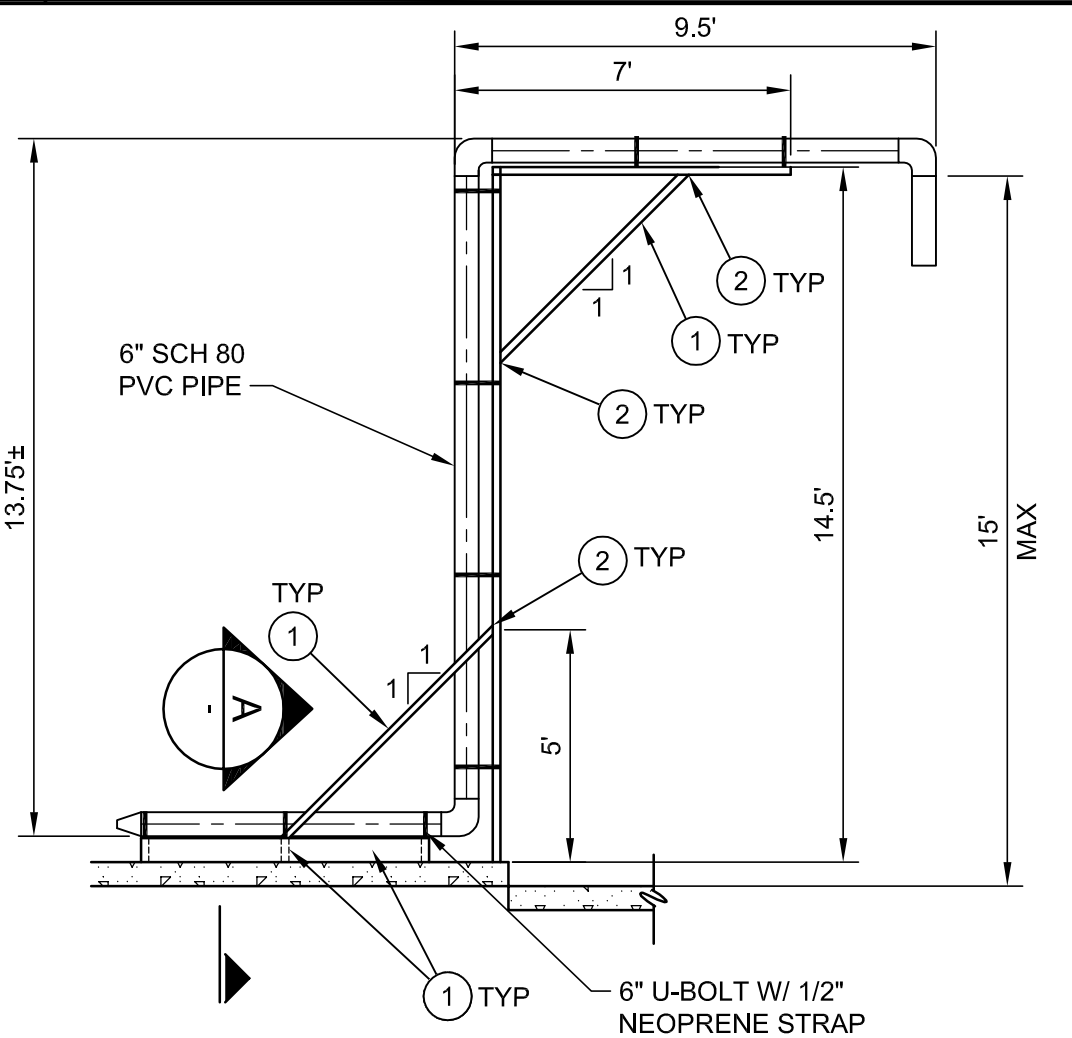
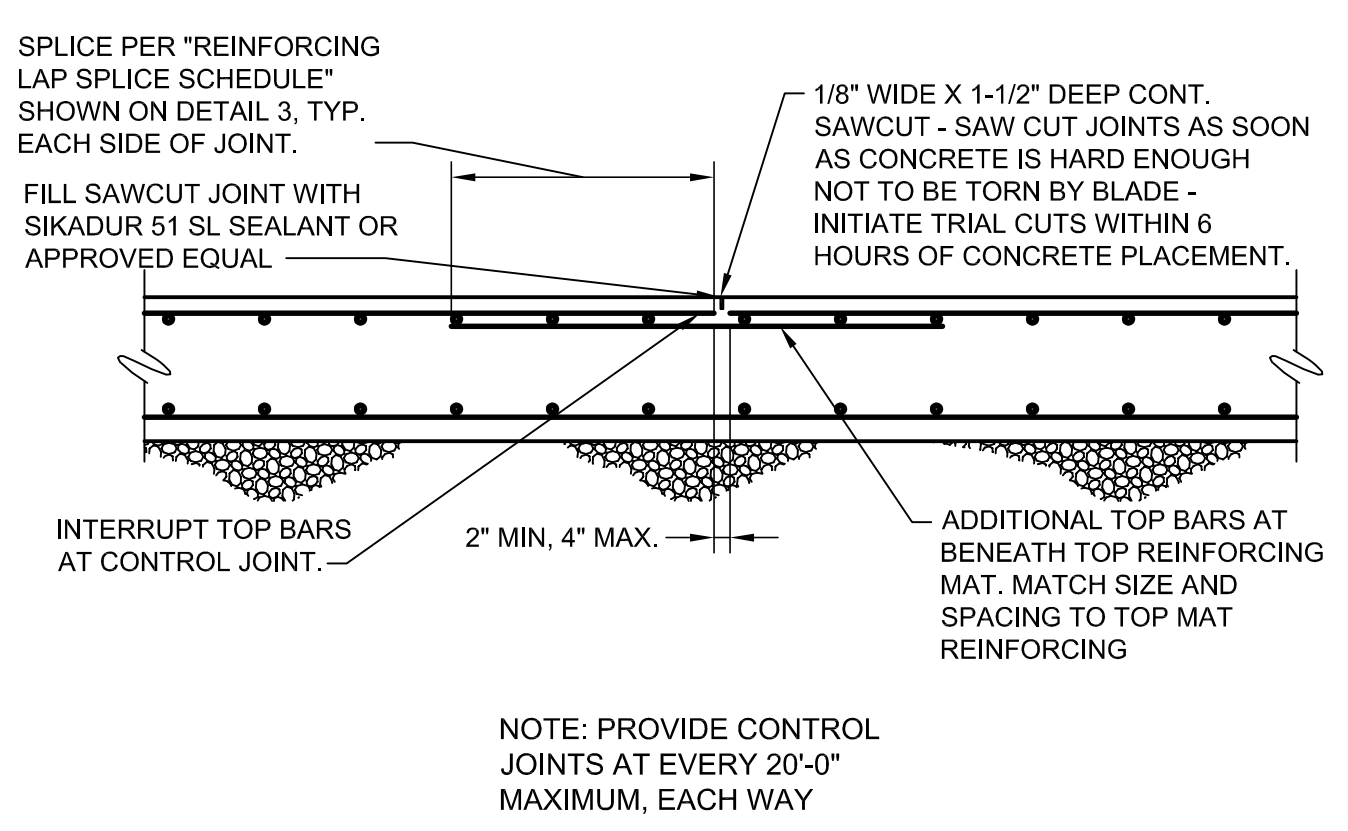
NOTES:

- LAPS SHOWN IN THIS TABLE ARE CLASS B, CATEGORY 3 TYPE SPLICES. LAP LENGTH IS BASED UPON SMALLER OF TWO BARS BEING SPLICED WHEN NOT THE SAME SIZE.
- INCREASE LAP LENGTHS BY A FACTOR OF 1.3 FOR HORIZONTAL REINFORCEMENT SO PLACED THAT MORE THAN 12 INCHES OF CONCRETE IS CAST IN THE MEMBER BELOW THIS REINFORCEMENT.

**1 WALL AND FOOTING REINFORCEMENT AT CORNERS AND INTERSECTIONS**  
NTS REFERENCE SHEET: C-506

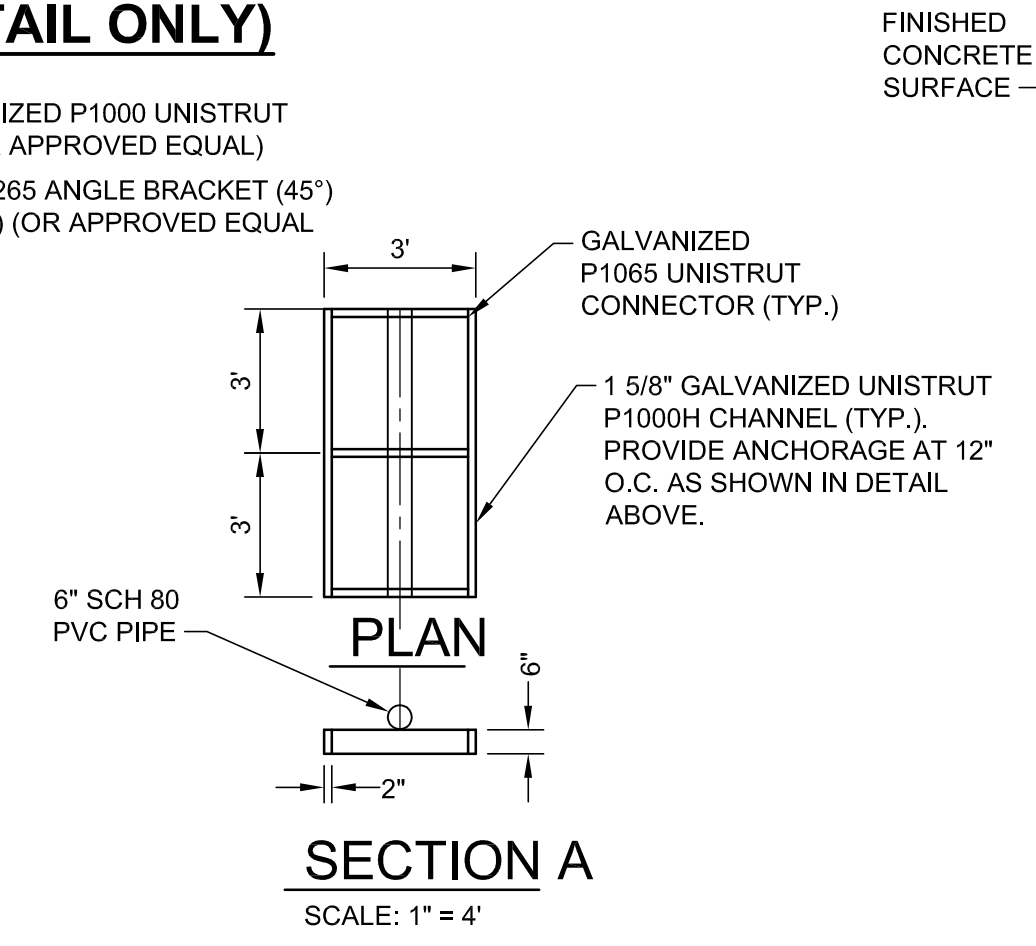
**2 TYPICAL BAR BENDS**  
NTS REFERENCE SHEET: C-506

**3 REINFORCING LAP SPLICE SCHEDULE**  
NTS REFERENCE SHEET: C-506



**CONSTRUCTION NOTES (THIS DETAIL ONLY)**

- 1 5/8" GALVANIZED P1000 UNISTRUT CHANNEL (OR APPROVED EQUAL)
- UNISTRUT P2265 ANGLE BRACKET (45°) (GALVANIZED) (OR APPROVED EQUAL)

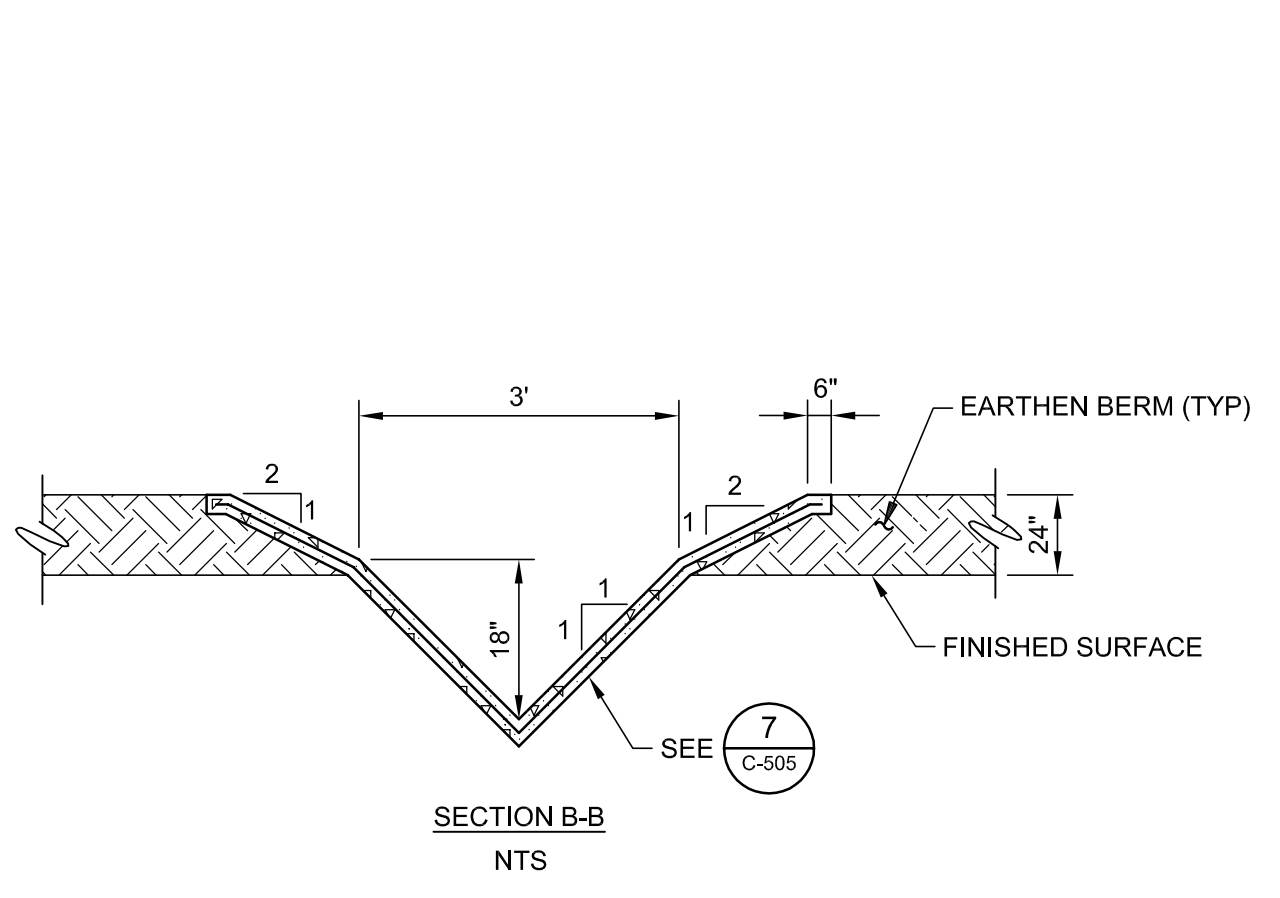
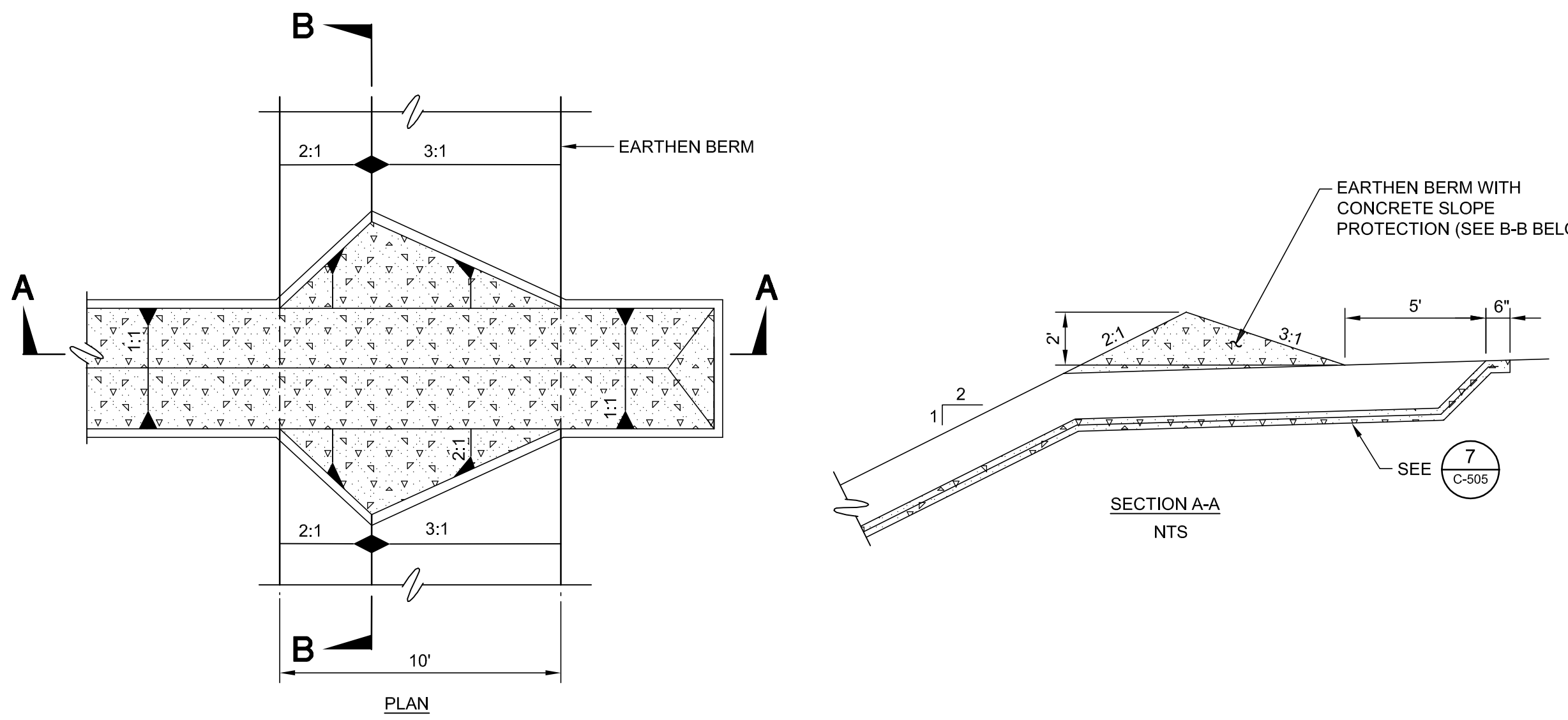


- NOTES:
- ALL STRUT CHANNEL MATERIAL SHALL BE GALVANIZED.
  - ALL CONDUIT SUPPORTS AND ANCHORS SHALL BE ASSEMBLED WITH 316 STAINLESS STEEL BOLTS, WASHERS, LOCK WASHERS, NUTS AND SPRING NUTS.
  - 3 FRAME ASSEMBLIES TOTAL
  - ALL UNISTRUT CONNECTION SHALL USE HEX-HEAD BOLT CONNECTS THAT ARE THREADED INTO SPRING NUT OR APPROVED EQUAL.

**4 CONTROL JOINT**  
NTS REFERENCE SHEET: C-506

**5 FILL STAND**  
SCALE: 1"=4' REFERENCE SHEET: C-506

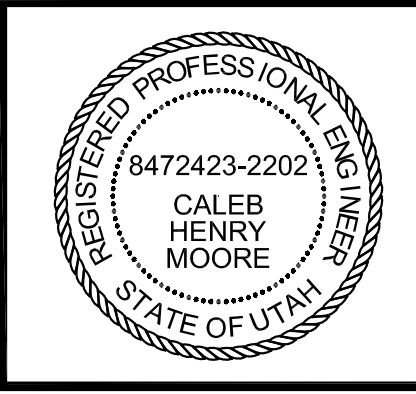
**6 TOP DECK INLET**  
NTS REFERENCE SHEET: C-401



P:\PROM PT LLOPROM.PT.LFCCELL.1\CAD\SHEETFILES\C-508-DETAILS.DWG 1/12/2017 2:31 PM

NO.	REVISION DESCRIPTION	BY:

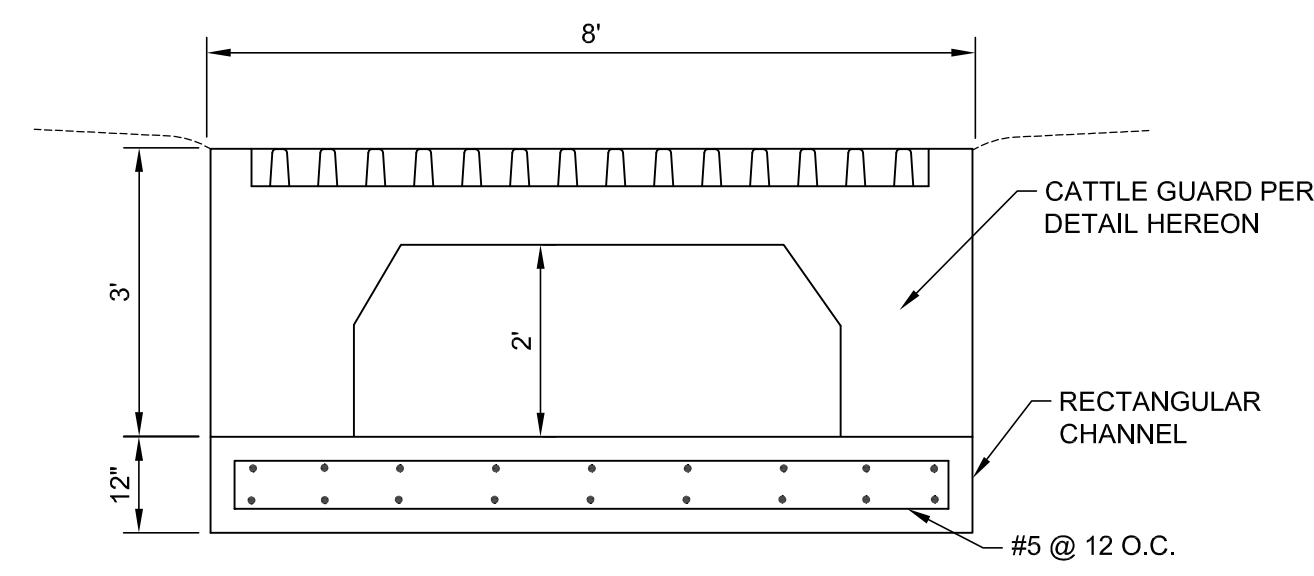
**TETRA TECH BAS**  
1360 Valley Vista Drive, Diamond Bar, CA 91765  
TEL 909.860.7777 FAX 909.860.8017



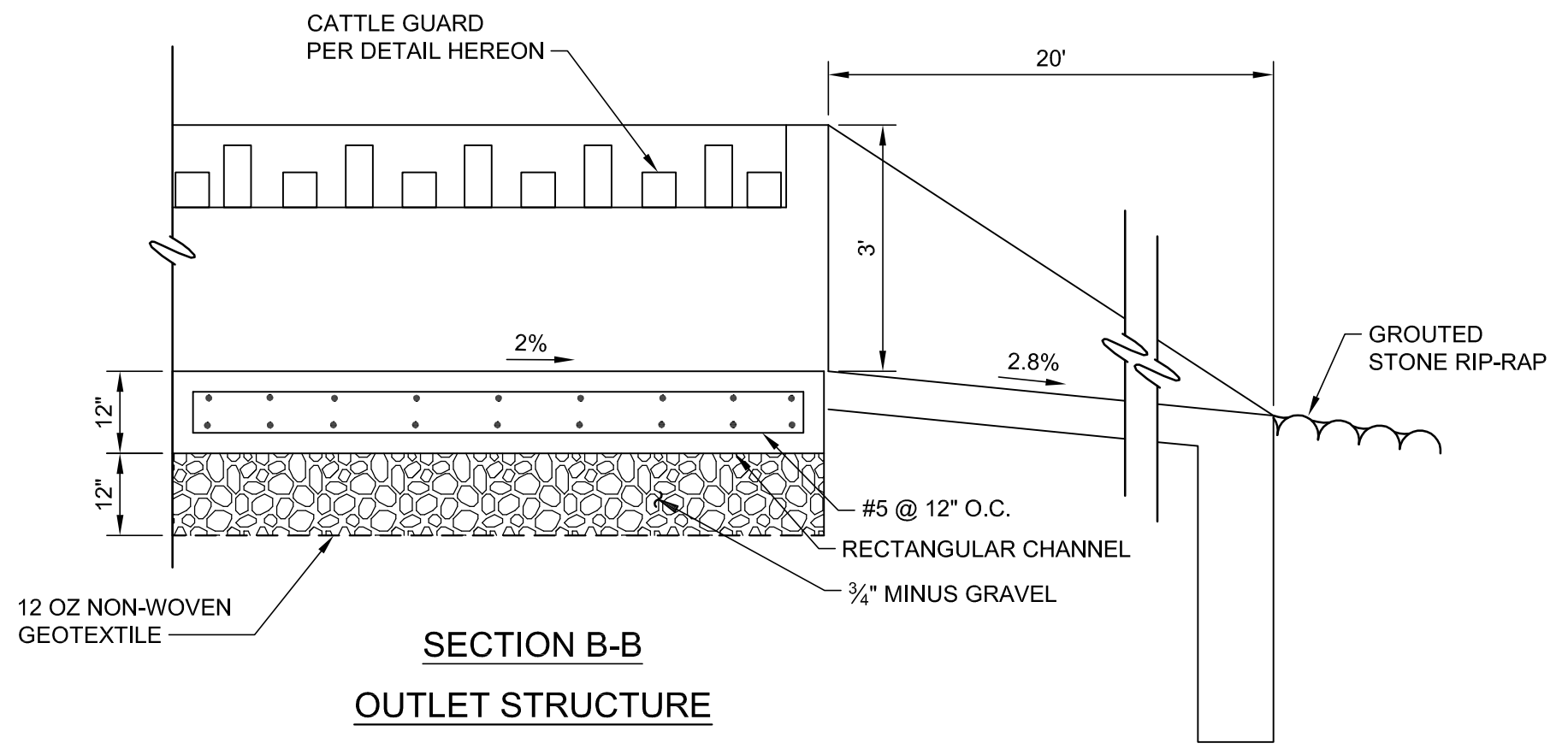
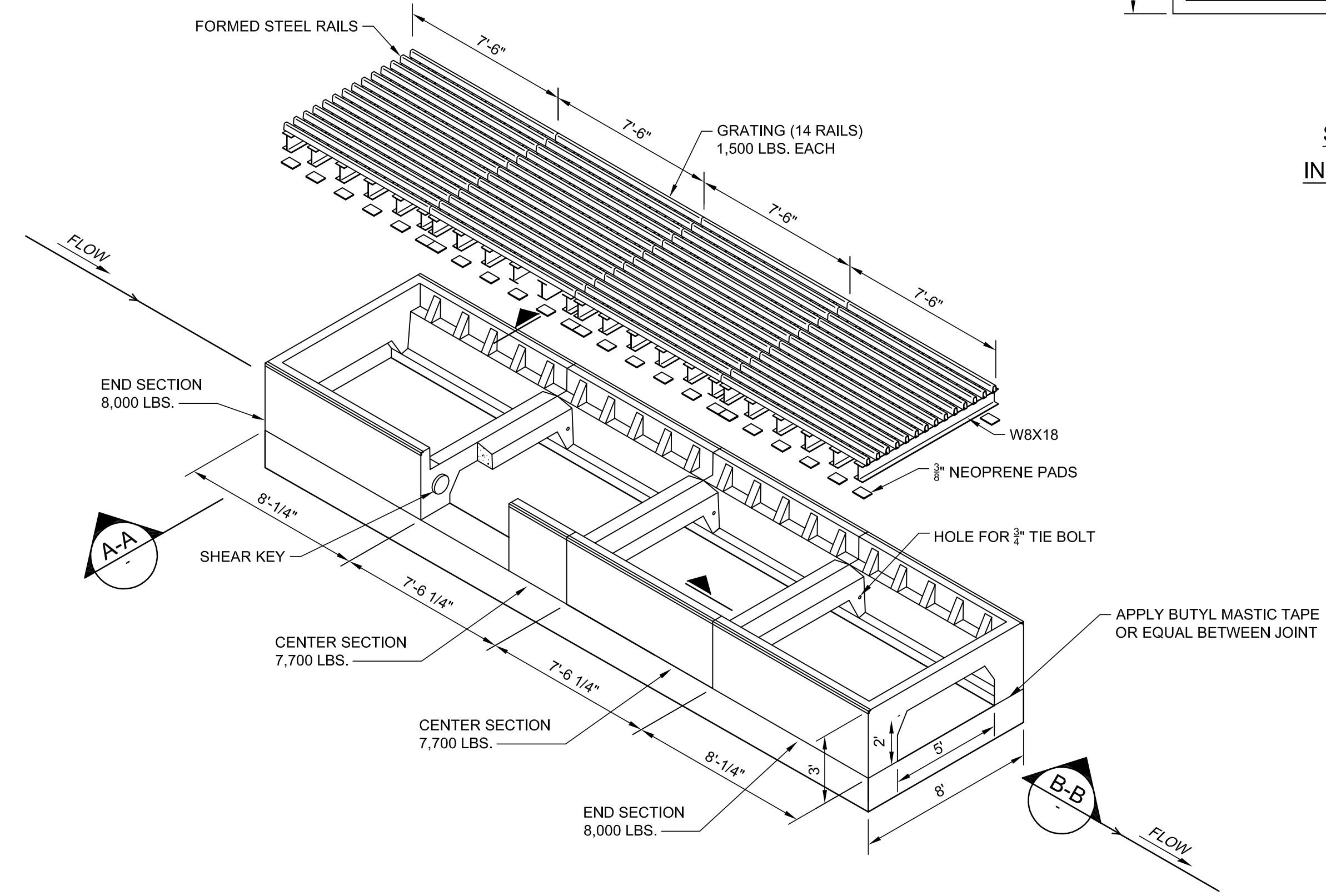
PROMONTORY POINT, LLC		
DETAILS		
DESIGNED BY: DLL	FILE: C-508 Details.dwg	
DRAWN BY: PV / ANP	DATE: 01-2017	SCALE: AS SHOWN
CHECKED BY: GES	DATE: 01-2017	<b>C-508</b>
APPROVED BY: CHM	DATE: 01-2017	

**FOR PERMIT PURPOSES ONLY - NOT FOR CONSTRUCTION**

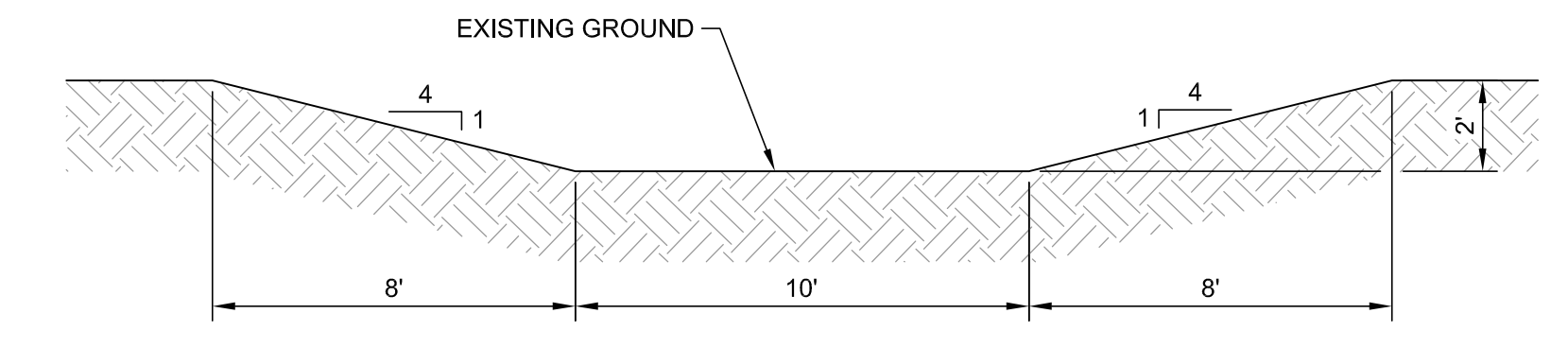




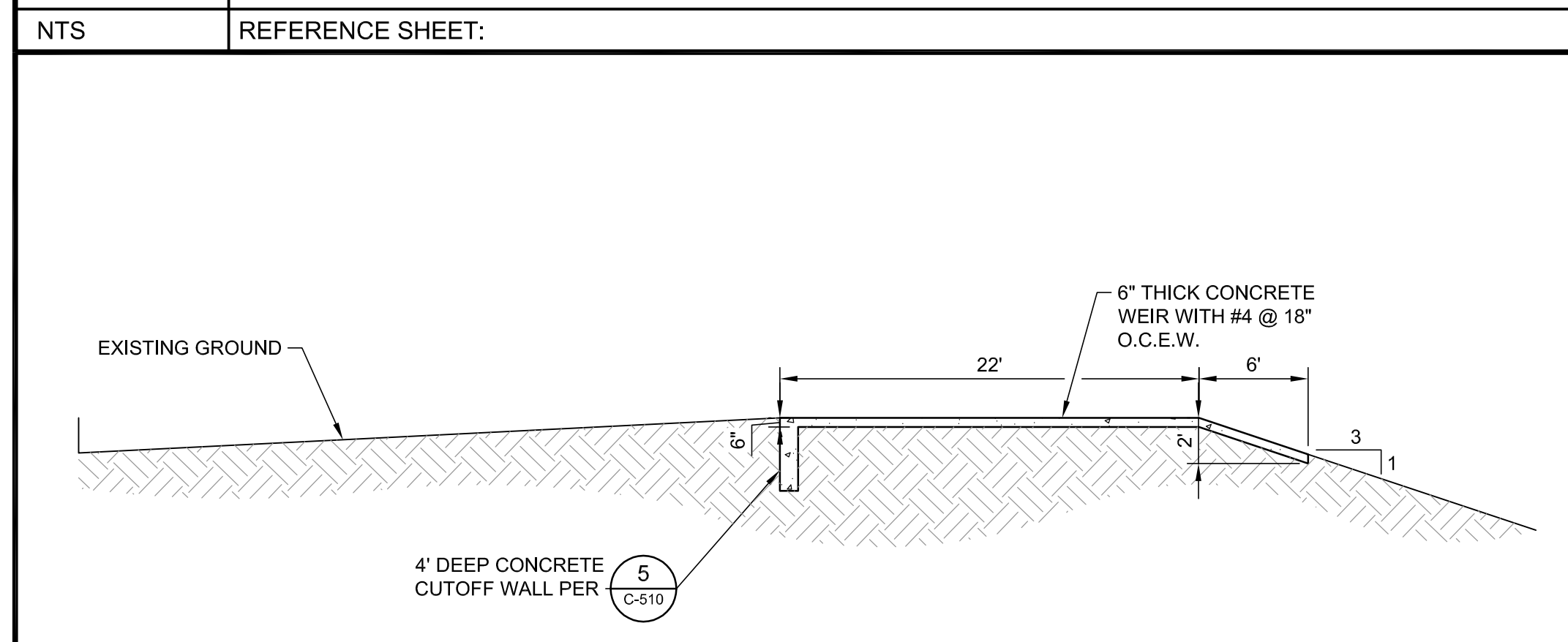
SECTION A-A  
INLET X-SECTION



SECTION B-B  
OUTLET STRUCTURE

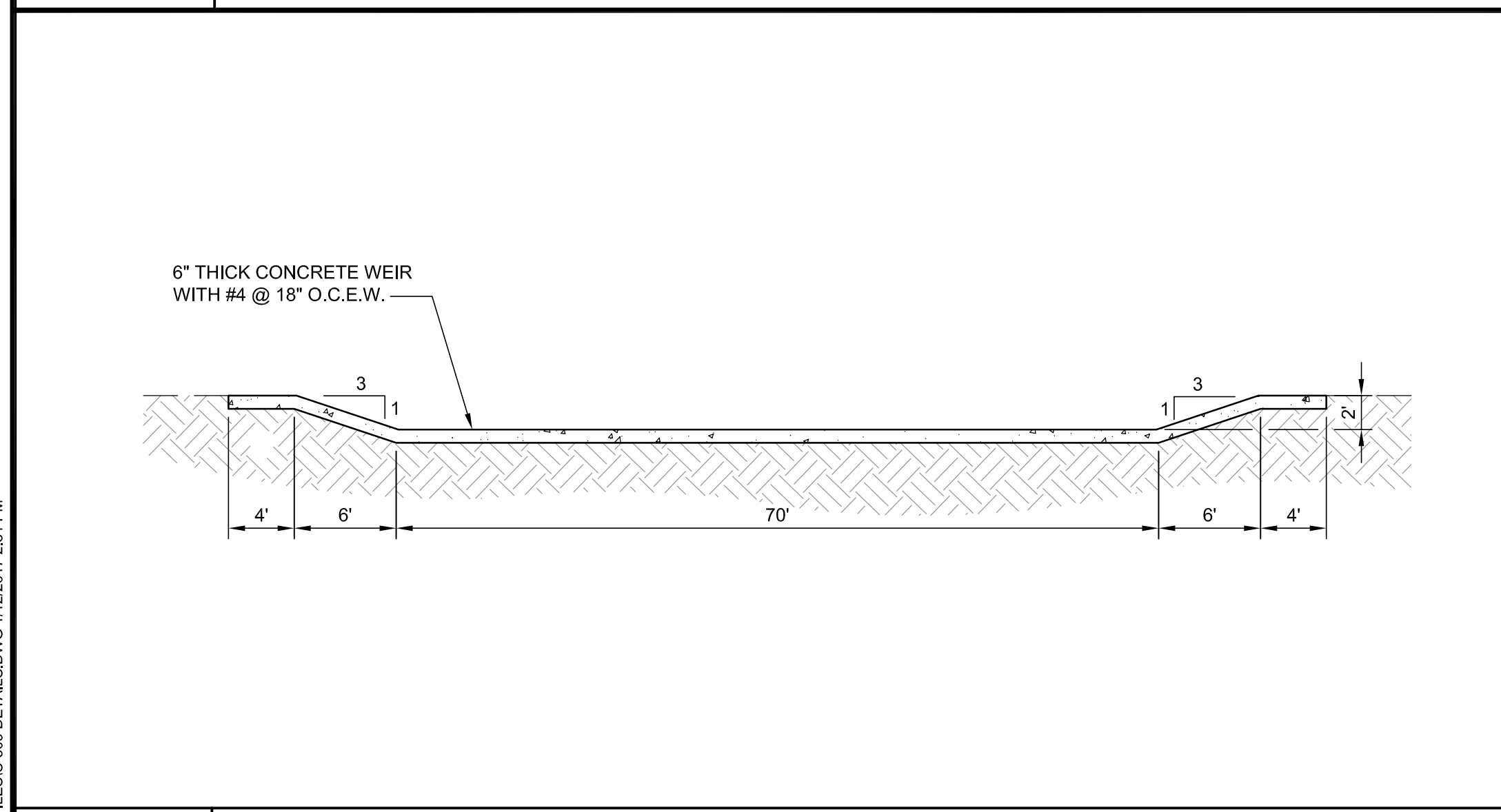


2 EARTHEN TRAPEZOIDAL CHANNEL

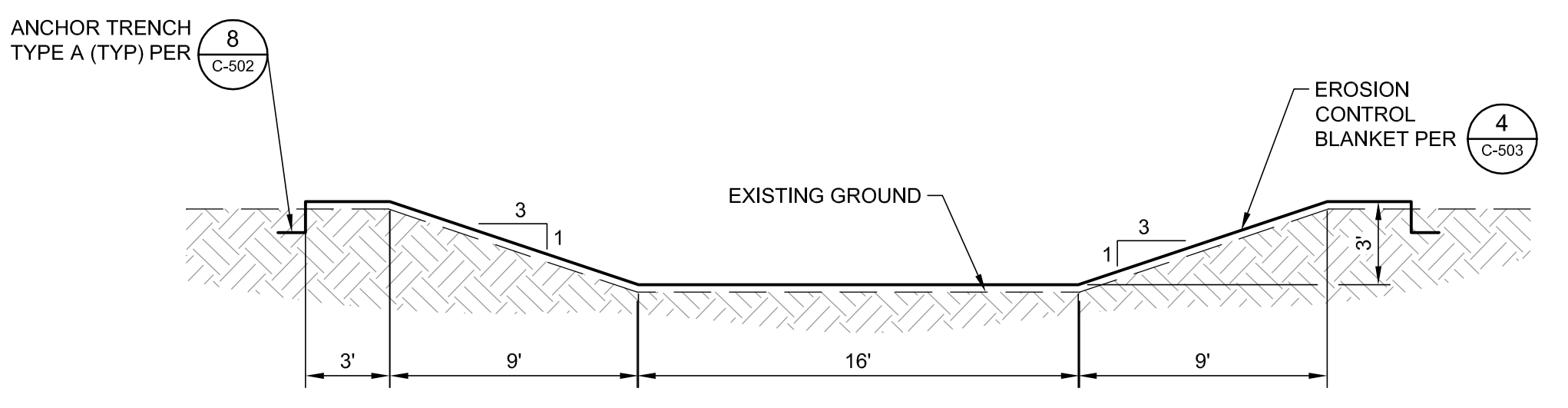


3 WEIR SECTION

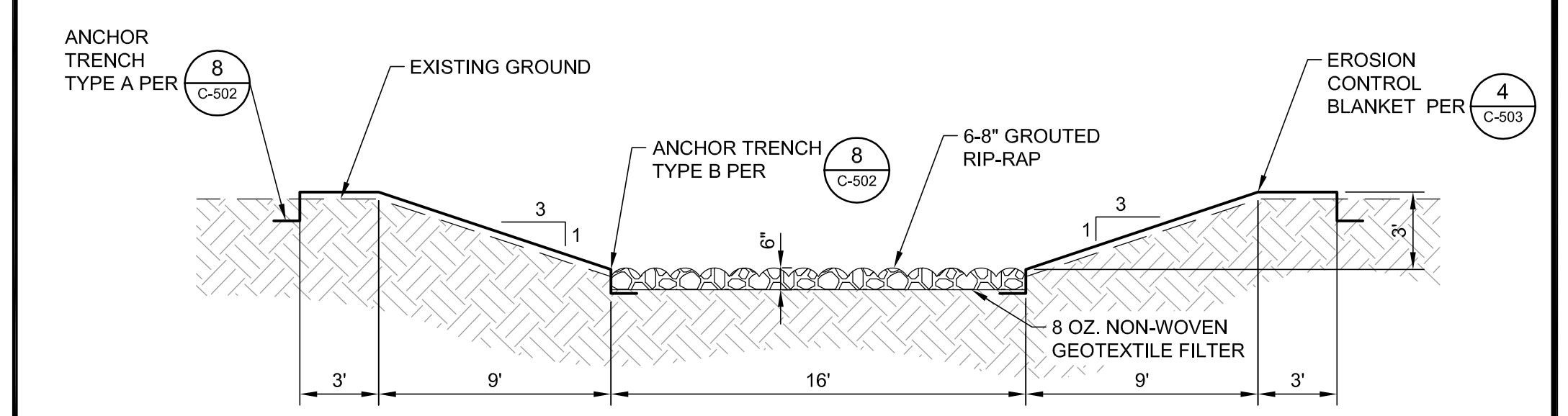
1 PRECAST CATTLE GUARD



4 WEIR SECTION



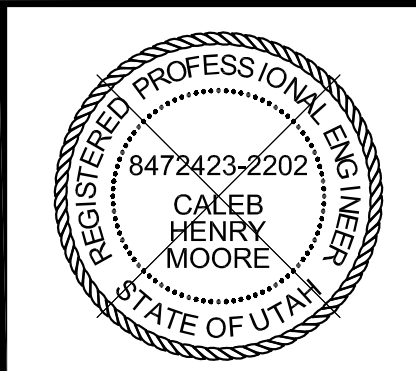
5 LINED EARTHEN CHANNEL



6 RIP-RAP DRAINAGE CHANNEL

NO.	REVISION DESCRIPTION	BY:

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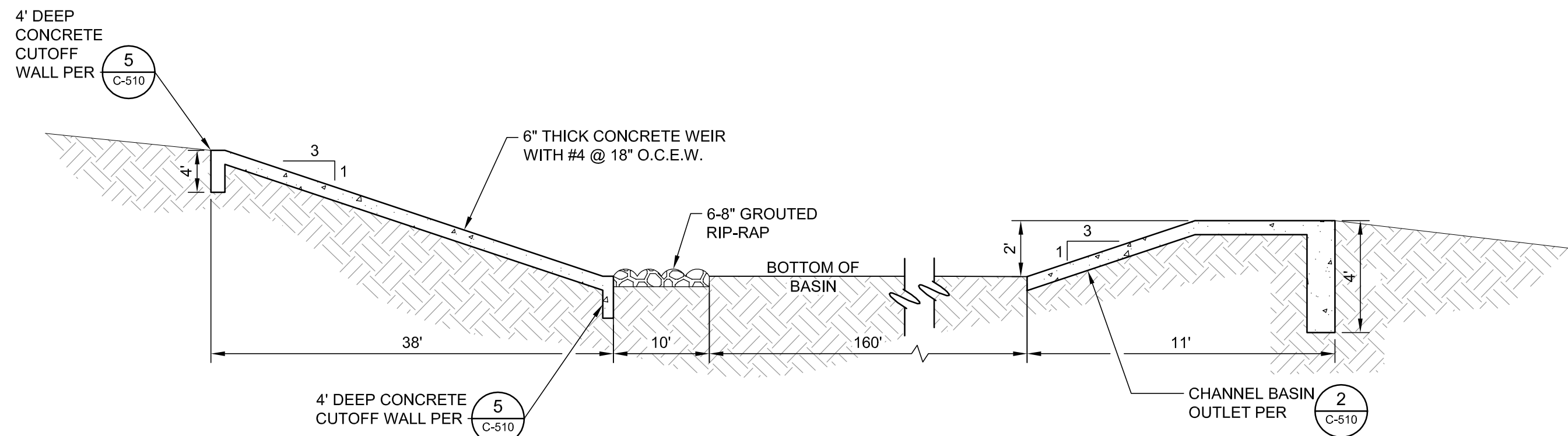
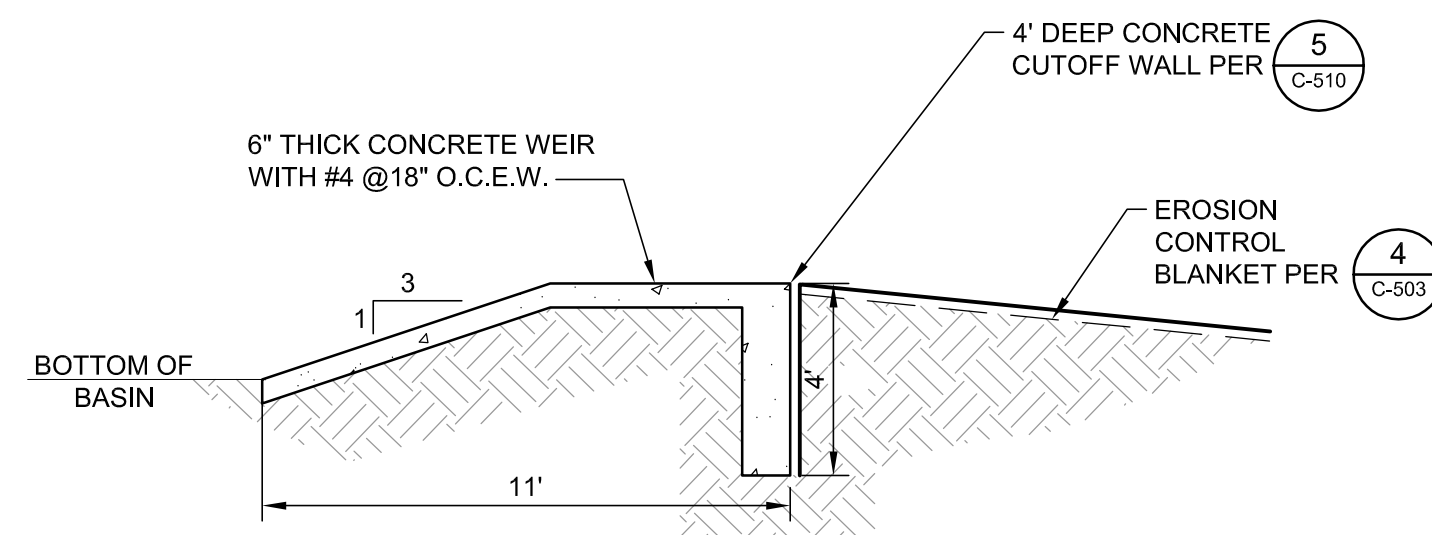
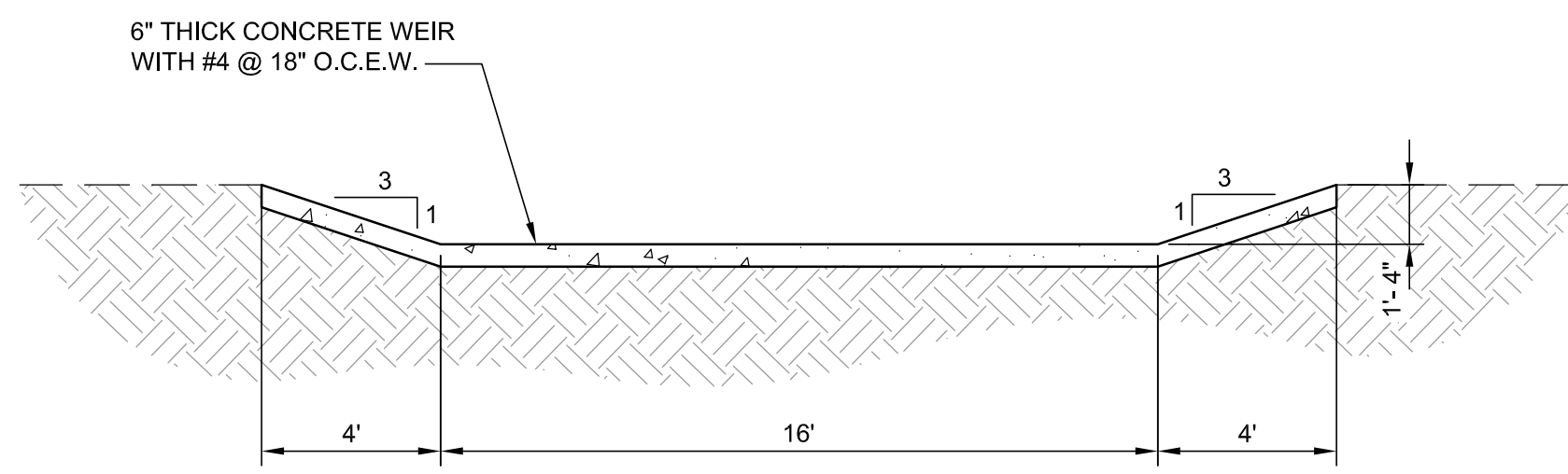


PROMONTORY POINT, LLC		
<b>DETAILS</b>		
DESIGNED BY: DLL	FILE: C-509 Details.dwg	
DRAWN BY: PV / ANP	DATE: 01-2017	SCALE: AS SHOWN
CHECKED BY: GES	DATE: 01-2017	C-509
APPROVED BY: CHM	DATE: 01-2017	

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**1 CONCRETE CHANNEL**

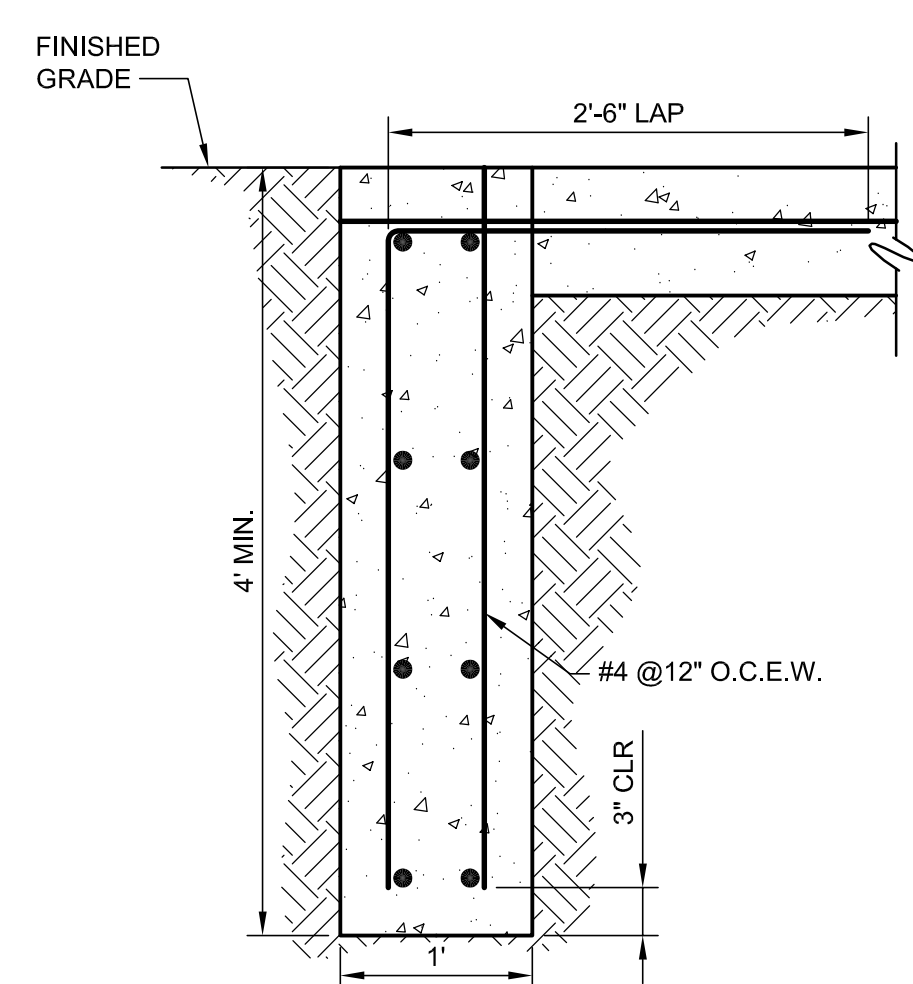
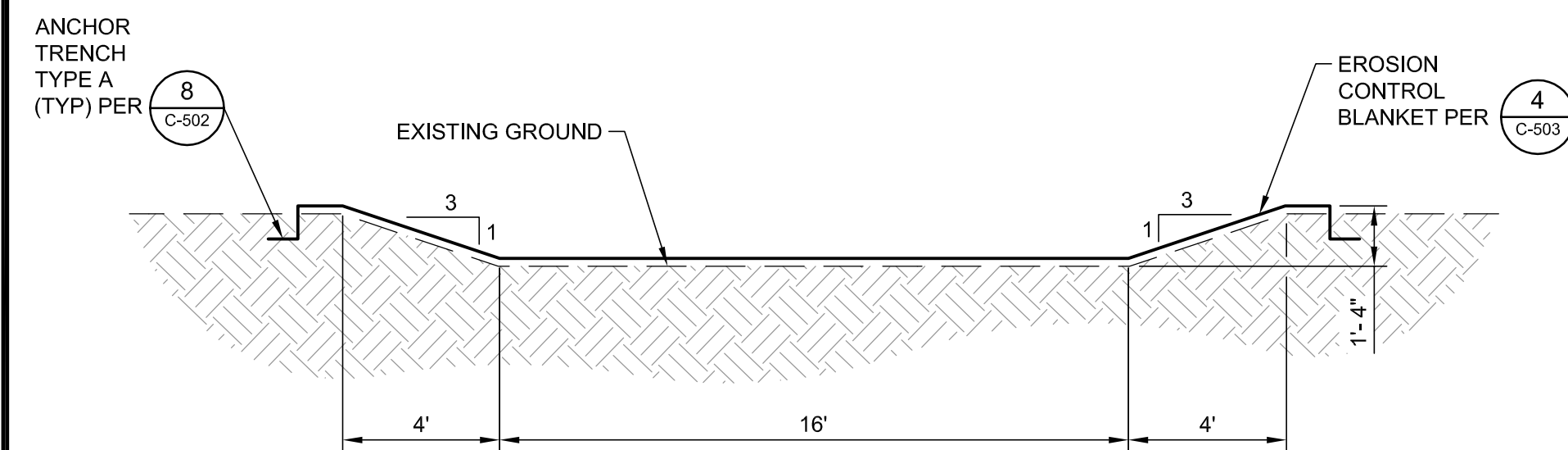
NTS REFERENCE SHEET:

**2 CHANNEL BASIN OUTLET**

NTS REFERENCE SHEET:

**3 CHANNEL BASIN**

NTS REFERENCE SHEET:

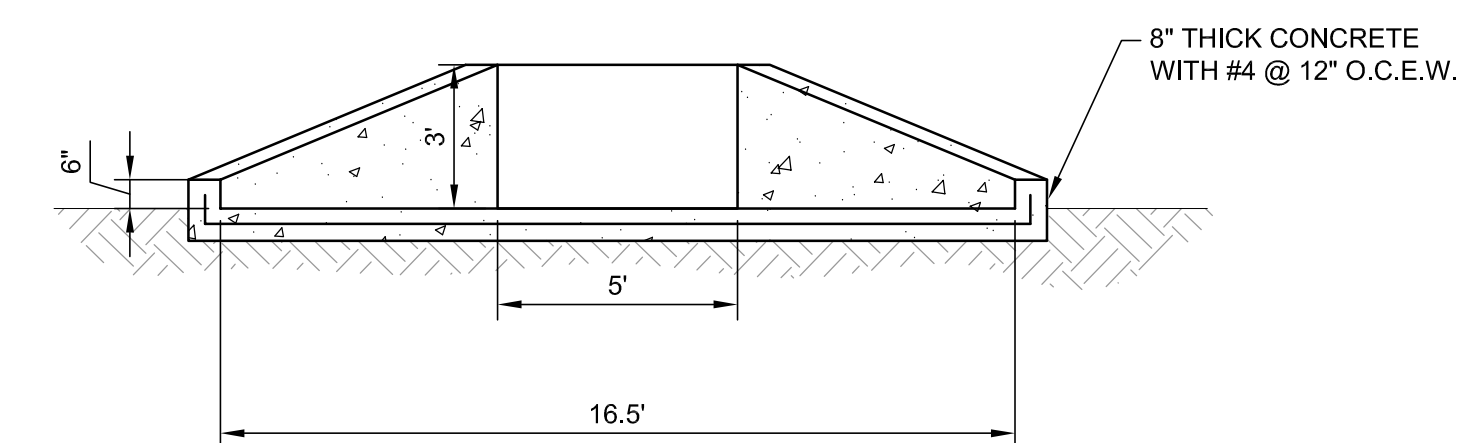
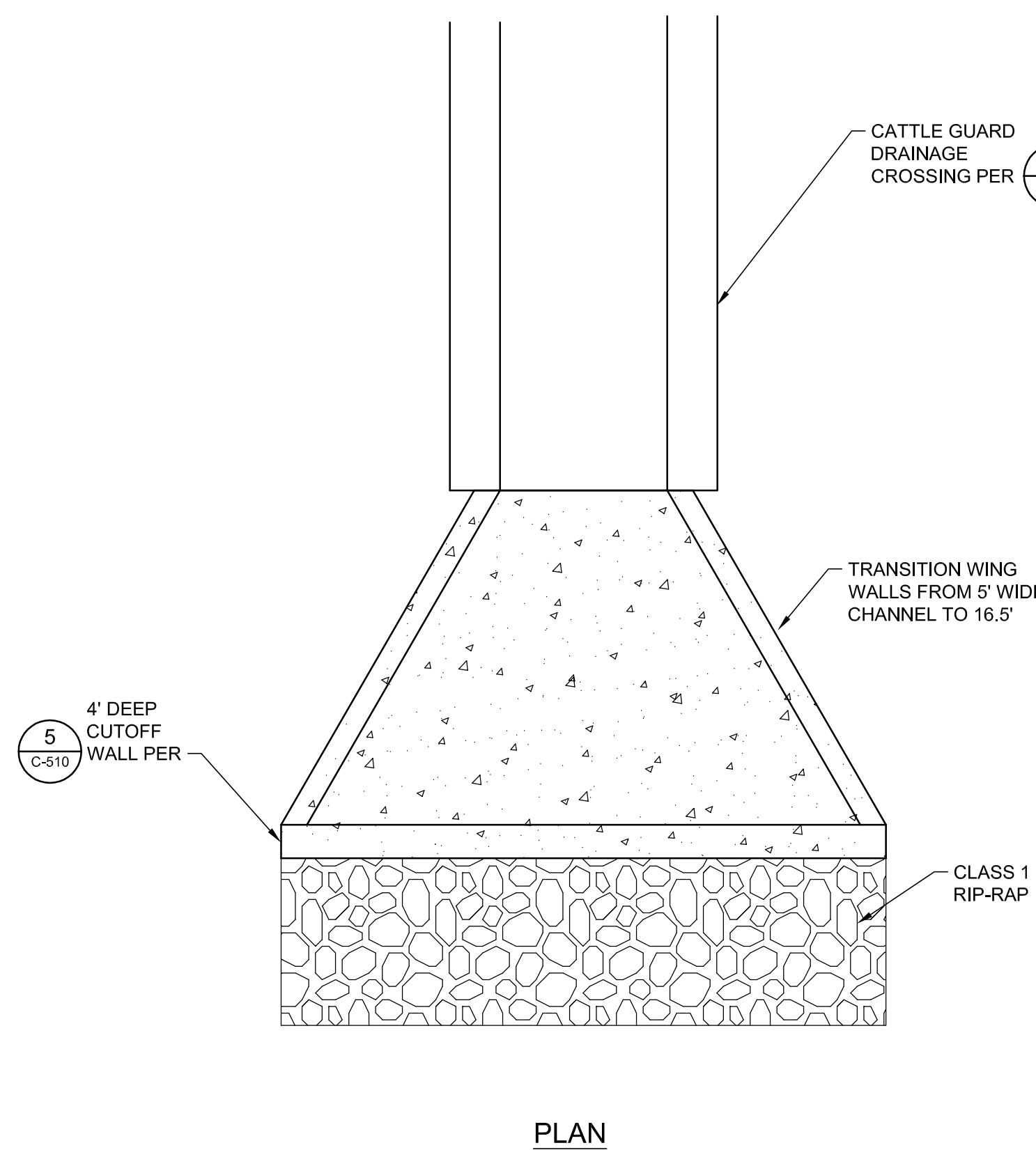


**4 LINED EARTHEN CHANNEL**

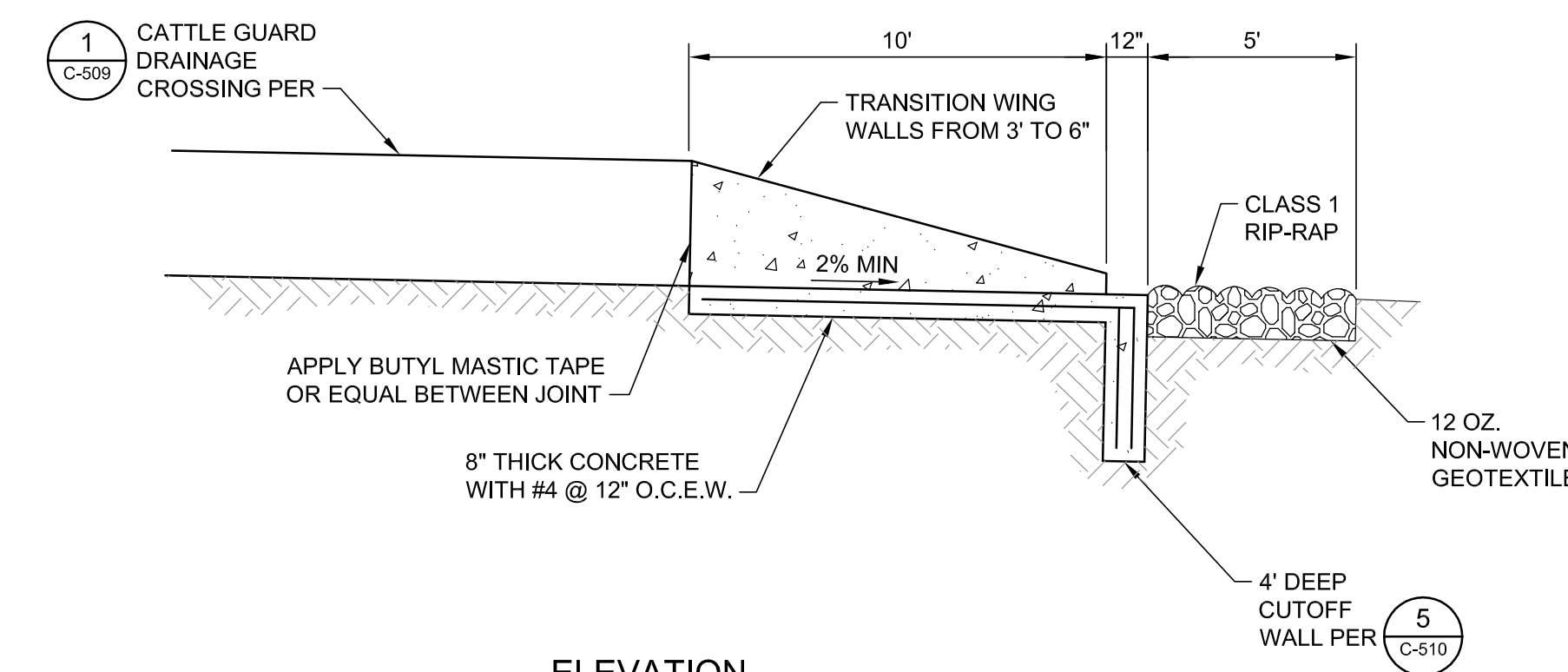
NTS REFERENCE SHEET:

**5 CUTOFF WALL**

NTS REFERENCE SHEET:



SECTION



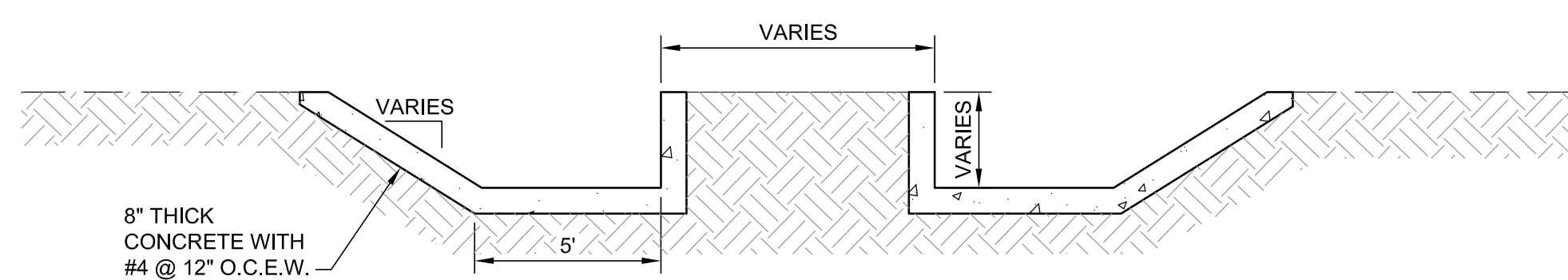
ELEVATION

**6 TRANSITION STRUCTURE**

NTS REFERENCE SHEET:

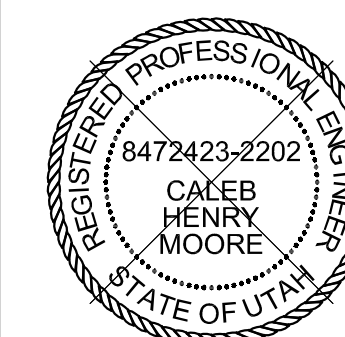
**7 FLARED OUTLET AND ENERGY DISSIPATER**

NTS REFERENCE SHEET:



NO.	REVISION DESCRIPTION	BY:

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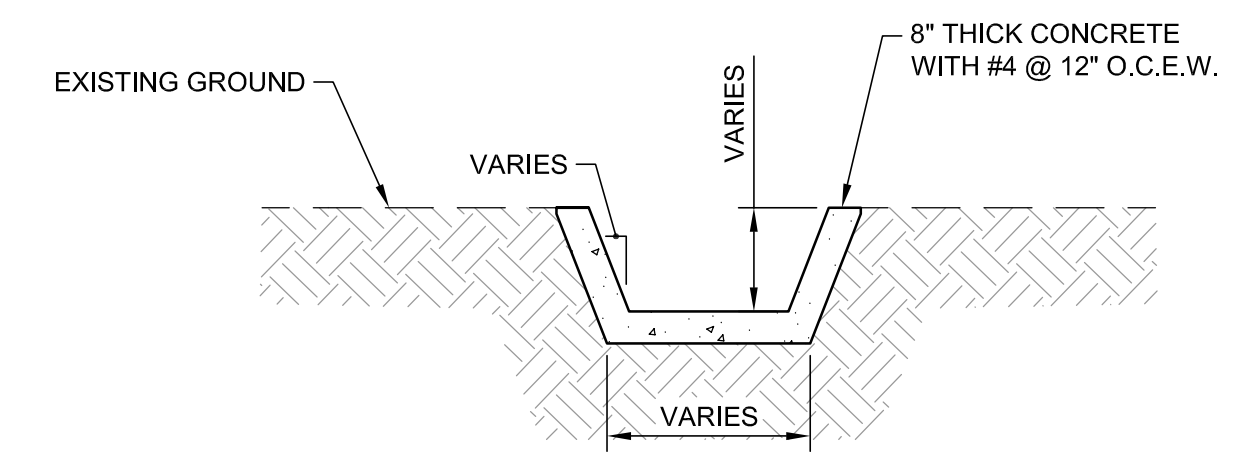
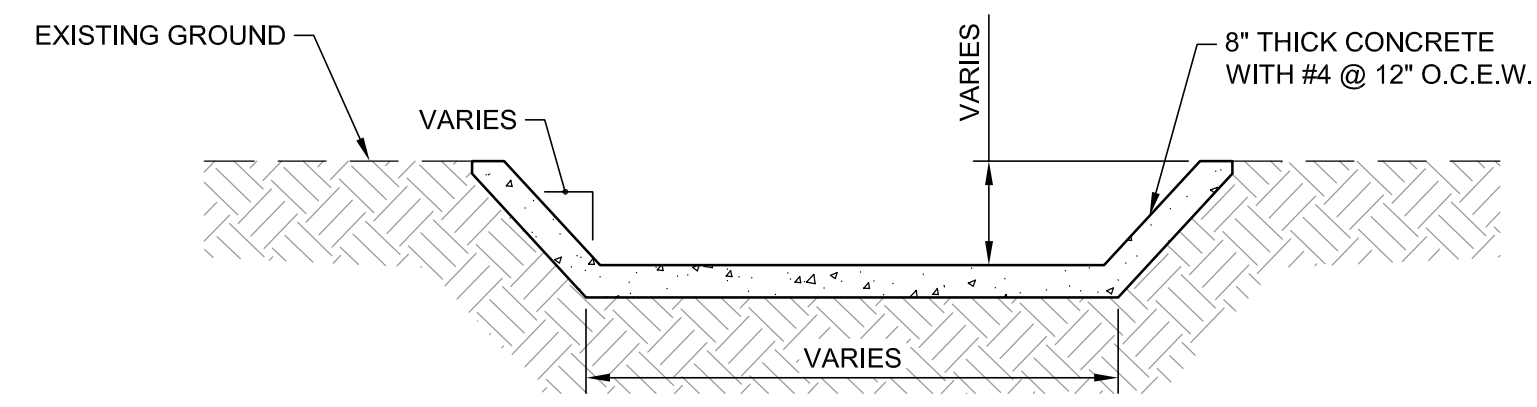
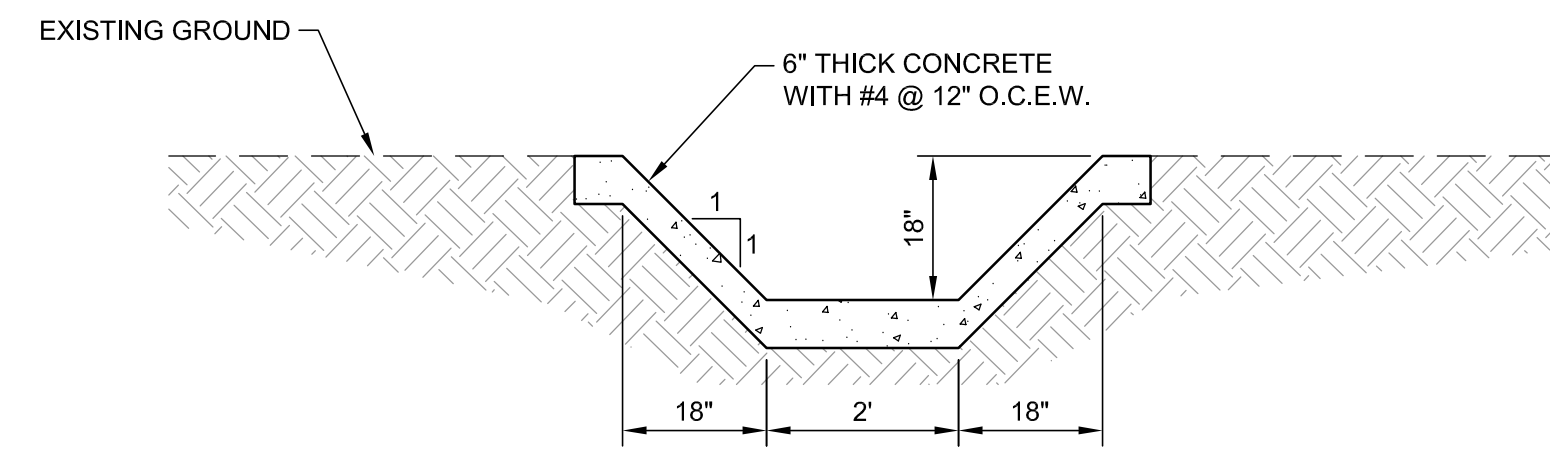


PROMONTORY POINT, LLC		
<b>DETAILS</b>		
DESIGNED BY: DLL	FILE: C-510 Details.dwg	
DRAWN BY: PV / ANP	DATE: 01-2017	SCALE: AS SHOWN
CHECKED BY: GES	DATE: 01-2017	C-510
APPROVED BY: CHM	DATE: 01-2017	

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1	CONCRETE TRAPEZOIDAL CHANNEL	2	TRANSITION STRUCTURE	3	TRANSITION STRUCTURE
NTS	REFERENCE SHEET:	NTS	REFERENCE SHEET:	NTS	REFERENCE SHEET:

4	DETAIL	5	DETAIL	6	DETAIL
NTS	REFERENCE SHEET:	NTS	REFERENCE SHEET:	NTS	REFERENCE SHEET:

7	DETAIL	8	DETAIL	9	DETAIL
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NO.	REVISION DESCRIPTION	BY:

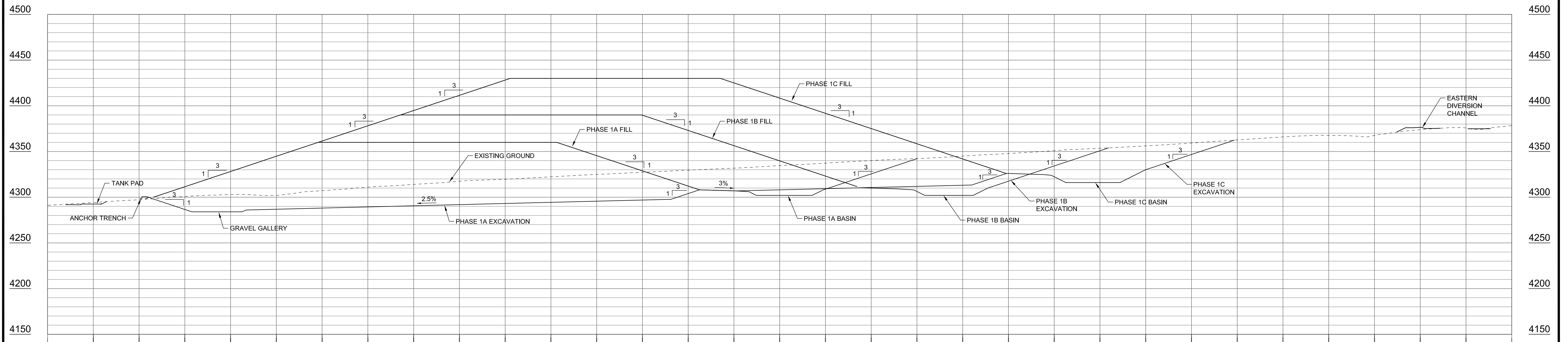
**TETRA TECH BAS**  
 1360 Valley Vista Drive, Diamond Bar, CA 91765  
 TEL 909.860.7777 FAX 909.860.8017



PROMONTORY POINT, LLC		
<b>DETAILS</b>		
DESIGNED BY: DLL	FILE: C-511 Details.dwg	
DRAWN BY: PV / ANP	DATE: 01-2017	SCALE: AS SHOWN
CHECKED BY: GES	DATE: 01-2017	<b>C-511</b>
APPROVED BY: CHM	DATE: 01-2017	

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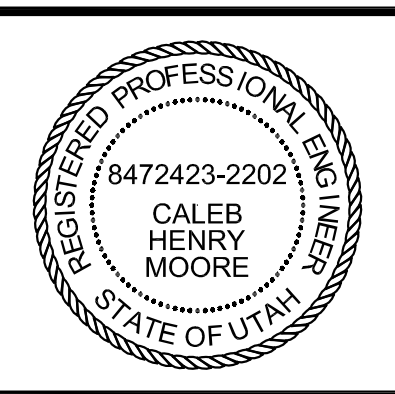


**A SECTION**  
SCALE: H:1" = 50' V:1" = 50'

P:\PROM PT LLO\PROM PT LFC\CELL 1\CAD\SHEETFILES\C-512 CROSS-SECTION.DWG 11/22/17 2:32 PM

NO.	REVISION DESCRIPTION	BY:

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PROMONTORY POINT, LLC		
<b>CROSS-SECTION</b>		
DESIGNED BY: DLL	FILE: C-512 Cross-Section.dwg	
DRAWN BY: PV / ANP	DATE: 01-2017	SCALE: AS SHOWN
CHECKED BY: GES	DATE: 01-2017	<b>C-512</b>
APPROVED BY: CHM	DATE: 01-2017	

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