

MATADOR LEATHERNECK RECYCLING CONTAINMENT

CONSTRUCTION PLANS



EDDY COUNTY, NEW MEXICO
FEBRUARY 2019

SITE CONTROL

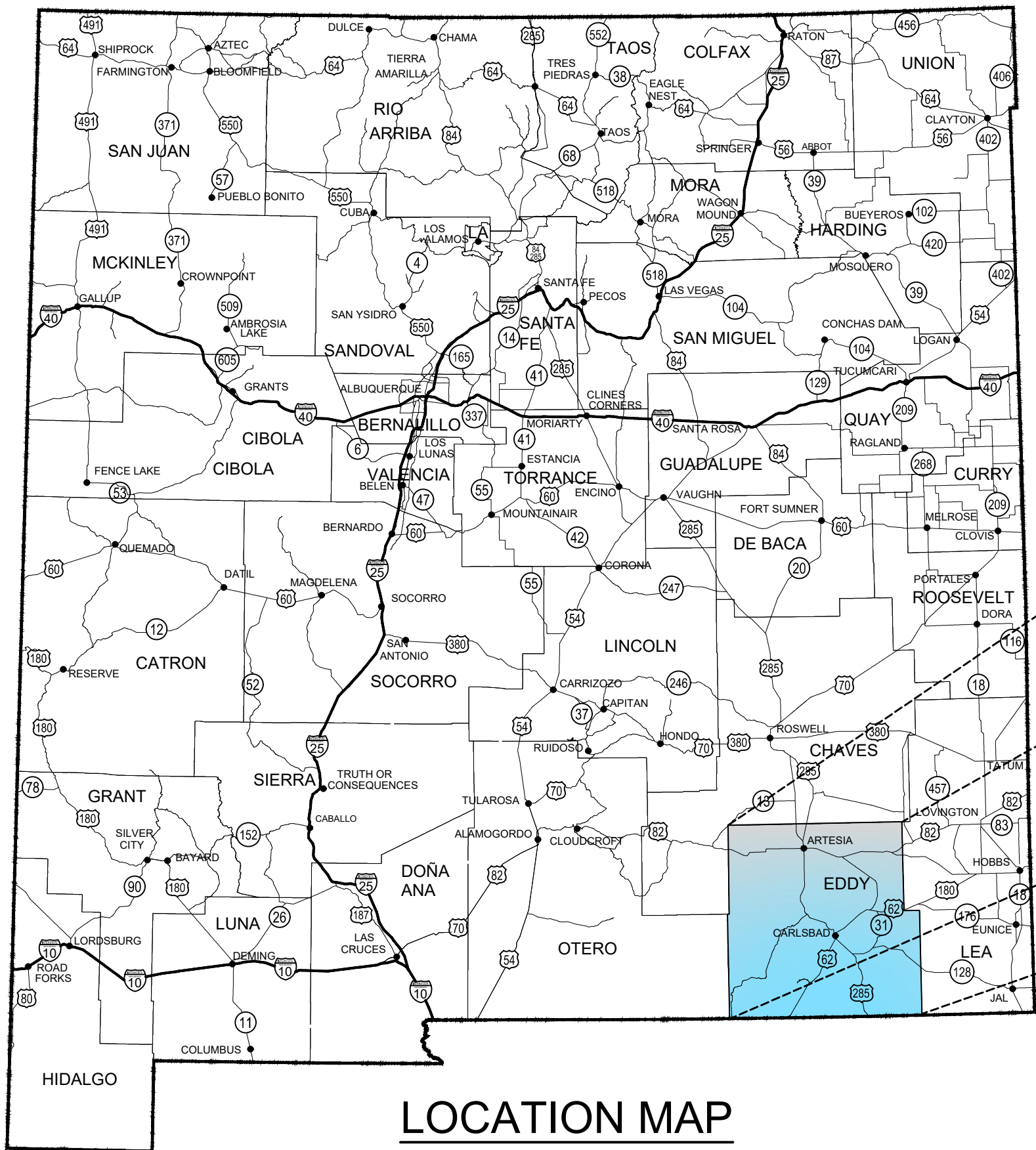
CENTER OF FACILITIES	Lat 32°32'36"	Long 104°07'17"
CENTER OF RECYCLING CONTAINMENT	Lat 32°32'36"	Long 104°07'17"
CENTER OF CONSTRUCTION±	Lat 32°32'36"	Long 104°07'17"

SECTION 30, TOWNSHIP 20 SOUTH, RANGE 29 EAST, NEW MEXICO PRINCIPAL MERIDIAN,
EDDY COUNTY, NEW MEXICO

PROJECT DESCRIPTION:
RECYCLING CONTAINMENT

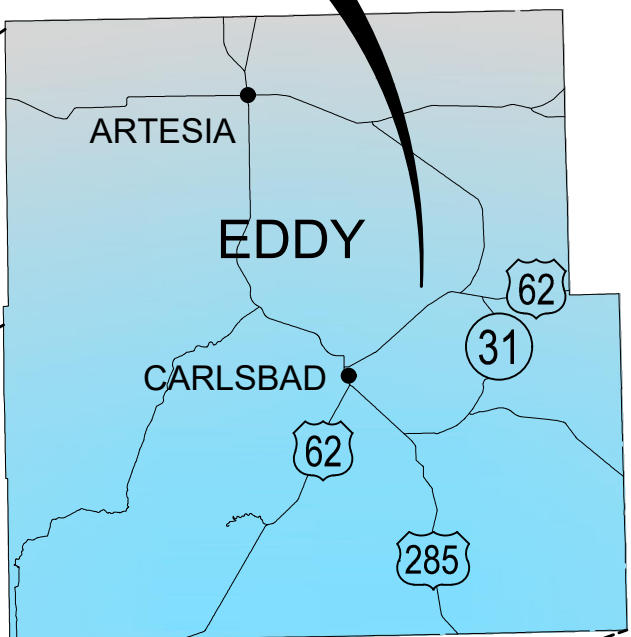
SHEET INDEX

SHEET NUMBER	SHEET TITLE
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C109	FENCE DETAILS
C110	EROSION AND SEDIMENTATION CONTROL PLAN
C111	EROSION AND SEDIMENTATION CONTROL DETAILS



PROJECT LOCATION

NTS



VICINITY MAP

NTS

THESE DETAILED PLANS AND SPECIFICATIONS WERE PREPARED UNDER MY
DIRECTION AND SUPERVISION ON BEHALF OF SOUDER, MILLER & ASSOCIATES.

Heather D. McDaniel
HEATHER DELAINE MCDANIEL, P.E.
PROJECT MANAGER

2-4-2019
DATE

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Rev #	Date	Description	By	Chk'd



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- SIGNED AND SEALED CONSTRUCTION DRAWINGS ARE PREPARED BASED ON EXISTING SITE CONDITIONS AND REGULATIONS PER THE SEALED DATE ON THE PLANS. DUE TO POSSIBLE CHANGES TO THE SITE, CODES, REGULATIONS, UNDERGROUND UTILITIES, ETC. BETWEEN THE SEALED DATE ON THE PLANS AND DATE OF CONSTRUCTION COMMENCEMENT, THE DESIGN AND RECOMMENDATIONS PROVIDED ARE LIMITED TO THE SEALED DATE ON THE PLANS. IF CHANGES TO ANY SITE CONDITIONS AND/OR REGULATIONS OCCUR BEFORE THE PROJECT CONSTRUCTION DATE, THE OWNER SHALL NOTIFY ENGINEER OF SUCH CHANGES AND OBTAIN THE ENGINEER'S OPINION AS TO THE COMPLETENESS OF THE PLANS AND SPECIFICATIONS. ANY SUCH CHANGE IN FIELD CONDITIONS AND/OR REGULATIONS MAY REQUIRE ADDITIONAL DESIGN SERVICES AND COMMENSURATE FEE INCREASE TO ACCOMMODATE SUCH CHANGES.
2. CLARIFICATIONS AND/OR REQUESTS REGARDING PROJECT INTENT AND MODIFICATIONS SHALL BE SUBMITTED TO THE ENGINEER PRIOR OR DURING CONSTRUCTION IN A FORMAL WRITTEN REQUEST FOR INFORMATION (RFI). THE ENGINEER SHALL NOT BE HELD LIABLE IF RECOMMENDATION(S) ARE ALTERED BY OTHERS.
3. SITE CONDITIONS, EACH SUBCONTRACTOR DOING WORK ON THE PROJECT SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE SAFETY OF ALL PERSONS AND PROPERTY WITHIN THEIR WORK AREAS, DAY AND NIGHT, DURING BOTH WORKING AND NONWORKING HOURS; AND, SHALL PROVIDE ALL BARRICADES, SHORING, FLAG MEN, SIGNS, LIGHTING AND OTHER DEVICES REQUIRED THEREOF.
4. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE REPAIR AND/OR REPLACEMENT OF ANY DAMAGE DETERMINED TO BE CAUSED BY THE CONSTRUCTION OF THIS PROJECT TO ROADS, FENCES, DRAINAGES, DRAINAGE STRUCTURES, UTILITIES, INCLUDING CONDUIT, WIRING EQUIPMENT, AND FIBER-OPTICS. THE CONTRACTOR SHALL REPAIR AND/OR REPLACE ALL DESTROYED OR DAMAGED SURFACE IMPROVEMENTS, WITH IMPROVEMENTS EQUAL TO THOSE REMOVED.
5. STOCKPILING OF TOP SOIL: CONTRACTOR SHALL SEGREGATE AND STOCKPILE ALL TOPSOIL OUTSIDE OF THE CONSTRUCTION AREA WITH APPROPRIATE SEDIMENT CONTROL. TOP SOIL SHALL BE REDISTRIBUTED ON THE OUTSIDE OF CONSTRUCTED BERMS, AND EITHER SEEDED, AND MULCHED OR PROTECTED WITH EROSION CONTROL BLANKETS. REFER TO CONSTRUCTION PLANS SHEET C111 FOR DETAILS.
6. ALL EXISTING TRAFFIC SIGNS, MILEPOST MARKERS AND DELINEATORS WITHIN CONSTRUCTION LIMITS SHALL BE REMOVED OR OFFSET BY THE CONTRACTOR AS DIRECTED BY THE OWNER'S DESIGNEE. INFORMATION SIGNS ARE TO BE OFFSET, AND ALL OTHERS ARE TO BE REMOVED. THIS WORK WILL BE INCLUDED IN THE UNIT BID PRICE FOR REMOVAL OF STRUCTURES AND OBSTRUCTIONS.
7. THE CONTRACTOR SHALL MAINTAIN REASONABLE ACCESS TO ALL ADJACENT PROPERTIES BY PROVIDING EASY RIDING CONNECTIONS TO TURNSOUTS AND DRIVEWAYS AS DETERMINED ACCEPTABLE BY THE OWNER'S REPRESENTATIVE OR DESIGNEE. THIS WORK WILL BE CONSIDERED INCIDENTAL TO COMPLETION OF THE PROJECT AND NO MEASUREMENT OF PAYMENT WILL BE MADE THEREFORE.
8. THE CONTRACTOR IS HEREBY ADVISED THAT UTILITY RELOCATION BY UTILITY COMPANIES WILL BE DONE CONCURRENTLY WITH CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE FOR UTILITY WORK IN CONJUNCTION WITH CONSTRUCTION OPERATIONS AND SHALL COORDINATE THE SCHEDULING OF WORK WITH THE RESPECTIVE UTILITY COMPANIES IN ORDER TO AVOID DELAYS DUE TO UTILITY WORK. THE CONTRACTOR SHALL PROVIDE FOR THESE CONTINGENCIES WHEN BIDDING THE PROJECT. NO CLAIM FOR DELAYS DUE TO UTILITY WORK WILL BE ALLOWED.
9. THERE IS NO CONSTRUCTION CLEAR ZONE FOR THIS PROJECT. THE CONTRACTOR SHALL NOT STORE EQUIPMENT OR MATERIAL OUTSIDE OF THE PROJECT BOUNDARIES ON THIS PROJECT. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFORE. CONTRACTOR TO COORDINATE WITH OWNER ON SITE STORAGE.
10. EMERGENCY ACCESS SHALL REMAIN OPEN AT ALL TIMES.
11. THE CONTRACTOR WILL REMOVE AND PROTECT ROAD NAME SIGNS DURING CONSTRUCTION AND REPLACE AS SOON AS POSSIBLE AFTER CONSTRUCTION. THIS WORK WILL BE CONSIDERED INCIDENTAL TO COMPLETION OF THE PROJECT AND NO MEASUREMENT OR PAYMENT WILL BE MADE THEREFORE.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPORTING AND CLEAN UP OF SPILLS ASSOCIATED WITH PROJECT CONSTRUCTION AND SHALL REPORT AND RESPOND TO SPILLS OF HAZARDOUS MATERIAL SUCH AS GASOLINE, DIESEL, MOTOR OILS, SOLVENTS, CHEMICALS, TOXIC AND CORROSIVE SUBSTANCES, AND OTHER MATERIALS WHICH MAY BE A THREAT TO PUBLIC HEALTH OR THE ENVIRONMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPORTING PAST SPILLS ENCOUNTERED DURING CONSTRUCTION AND OF CURRENT SPILLS NOT ASSOCIATED WITH CONSTRUCTION. REPORTS SHALL BE MADE IMMEDIATELY TO THE ENVIRONMENTAL EMERGENCY SPILL REPORTING LINE AT 1-866-428-6535 AND TO THE OWNER'S REPRESENTATIVE OR DESIGNEE. ANY UNREPORTED SPILLS IDENTIFIED AFTER CONSTRUCTION AND ASSOCIATED WITH PROJECT CONSTRUCTION SHALL BE CLEANED UP BY THE CONTRACTOR IN ACCORDANCE WITH THE CONTRACT. THE CONTRACTOR SHALL BEAR THE FULL COST OF CLEANUP OF SUCH UNREPORTED SPILLS.
13. FINAL PAYMENT OF CONCRETE AND REINFORCING BARS SHALL BE BASED ON PLAN QUANTITIES. IF THE DESIGN IS REVISED DURING CONSTRUCTION OR IF A QUANTITY CHANGE IS REQUIRED DUE TO ERRORS ON THE PLANS, THE PAYMENT SHALL BE BASED ON COMPUTED FIELD QUANTITIES MEASURED TO NEAT LINES.
14. EXISTING FENCE, SIGNS AND OTHER ITEMS OF PRIVATE PROPERTY FOUND TO BE WITHIN THE RIGHT-OF-WAY ARE TO BE REMOVED AND REPLACED AT THE EDGE OF RIGHT-OF-WAY, BY THE CONTRACTOR. THIS WORK WILL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE PROJECT AND NO MEASUREMENT OF PAYMENT WILL BE MADE THEREFORE.
15. THROUGHOUT THE LIFE OF THE PROJECT THE CONTRACTOR SHALL KEEP LOCAL OPERATORS AND LANDOWNERS INFORMED IN TIMELY FASHION AS DETERMINED BY THE OWNER'S REPRESENTATIVE OR DESIGNEE, OF ANY LANE CLOSURES WHICH WILL RESTRICT THE NORMAL FLOW OF TRAFFIC. THERE WILL BE NO DIRECT PAYMENT FOR THIS WORK.
16. THE CONTRACTOR SHALL MAINTAIN UP TO DATE SETS OF AS-BUILT PLANS FOR THE PROJECT. THESE PLANS SHALL BE KEPT CURRENT, WITHIN FIFTEEN (15) DAYS, AT ALL TIMES AND SHALL BE SUBJECT TO REVIEW BY THE OWNER'S REPRESENTATIVE OR DESIGNEE THROUGHOUT THE PROJECT AND WILL BE REVIEWED BY THE OWNER'S REPRESENTATIVE OR DESIGNEE FOR ACCURACY AND COMPLETENESS AT LEAST ONCE EVERY 15 DAYS. THE FINAL AS-BUILT PLANS SHALL BE SUBMITTED TO THE OWNER'S REPRESENTATIVE OR DESIGNEE PRIOR TO FINAL PAYMENT.
17. ALL WORK IN THE VICINITY OF LIVE STREAMS, WATER IMPOUNDMENTS, WETLANDS OR IRRIGATION SUPPLIES SHALL BE AFFECTED IN SUCH A MANNER AS TO MINIMIZE VEGETATION REMOVAL, SOIL DISTURBANCE AND EROSION. CROSSINGS OF LIVE STREAMS WITH HEAVY EQUIPMENT SHALL BE MINIMIZED, AS DETERMINED BY THE OWNER'S REPRESENTATIVE OR DESIGNEE. EQUIPMENT REFUELING, MAINTENANCE AND CEMENT DUMPING IN THE VICINITY OF WATER COURSES IS STRICTLY PROHIBITED AND SHALL BE PERFORMED IN PROPER CONTAINMENT AREAS.
18. TOPOGRAPHY SHOWN ON THESE PLANS IS ACCORDING TO FIELD LOCATION BY TOPOGRAPHIC, MICHAEL B. BROWN P.L.S. #18329, DATED JULY 23, 2018.
19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REMOVALS REQUIRED TO COMPLETE THE PROJECT. ADDITIONAL REMOVALS NOT SHOWN ON THE PLANS WILL BE DESIGNATED BY THE OWNER'S REPRESENTATIVE OR DESIGNEE. THIS WORK WILL BE CONSIDERED AS INCLUDED IN THE CONTRACT PRICE FOR REMOVAL OF STRUCTURES AND OBSTRUCTIONS AND THE CONTRACTOR WILL NOT RECEIVE ADDITIONAL COMPENSATION FOR UNLISTED REMOVALS.
20. UTILITY LOCATIONS SHOWN WITHIN THE PROJECT BOUNDARY ARE BASED UPON THE BEST AVAILABLE EVIDENCE, BUT THE POSITIONS ARE NOT WARRANTED TO BE ACCURATE. CONTACT UTILITY PROVIDERS BEFORE STARTING ANY EXCAVATION WORK. SHOULD CONFLICTING INFORMATION OR INTERFERENCE PROBLEMS APPEAR IN THE CONSTRUCTION DRAWINGS THE CONTRACTOR SHALL BRING THAT INFORMATION TO THE ATTENTION OF THE ENGINEER IMMEDIATELY PRIOR TO INSTALLATION. FAILURE TO DO SO SHALL NOT BE A BASIS OF EXTRA PAYMENT TO THE CONTRACTOR.
21. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES BEFORE COMMENCING WORK AND SHALL BE RESPONSIBLE FOR COMPLYING WITH NEW MEXICO ONE-CALL PROCEDURES. ANY DAMAGE TO EXISTING UTILITIES MUST BE IMMEDIATELY REPORTED TO THE APPROPRIATE UTILITY COMPANY.
22. NEW MEXICO 811 LOCATES SHALL BE FIELD VERIFIED BY THE CONTRACTOR THROUGH POTHOLING AND COORDINATION WITH UTILITY OWNER.
23. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE RESPECTIVE UTILITY COMPANIES PRIOR TO GRADING OR TRENCHING.
24. THE CONTRACTOR SHALL REVIEW AND FOLLOW THE RECOMMENDATIONS PROVIDED IN THE GEOTECHNICAL ENGINEERING REPORT TITLED "LEATHERNECK RECYCLING CONTAINMENT FACILITY GEOTECHNICAL INVESTIGATION CARLSBAD, NM, DECEMBER, 2018".
25. THE CONTRACTOR SHALL CONFORM TO ALL REQUIREMENTS SET FORTH BY THE TECHNICAL SPECIFICATIONS LOCATED IN THE PROJECT MANUAL.

- OWNER
-
- MATADOR PRODUCTION COMPANY
ONE LINCOLN CENTRE
DALLAS, TEXAS 75240
-
- CIVIL ENGINEER
-
- HEATHER D. MCDANIEL, P.E.
SOUDEY, MILLER & ASSOCIATES (SMA)
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LAKEWOOD, COLORADO 80214
(303) 239-9011
-
- SURFACE OWNER
-
- BUREAU OF LAND MANAGEMENT
620 EAST GREEN STREET
CARLSBAD, NM 88220
-
- ELECTRIC COMPANY
-
- XCEL ENERGY
1601 COMMERCE DR
CARLSBAD, NM 88220

CU. FT.	CUBIC FEET	TYP	TYPICAL
CU. YD.	CUBIC YARDS	w/	WITH
DIA.	DIAMETER (Ø)		
ELEV.	ELEVATION		
EX	EXISTING		
FG	FINISH GRADE		
FT	FEET		
HDPE	HIGH-DENSITY POLYETHYLENE		
HORIZ	HORIZONTAL		
LF	LINEAR FEET		
MAX.	MAXIMUM		
MIL or MM	MILLIMETER		
MIN.	MINIMUM		
N.T.S.	NOT TO SCALE		
SQ. FT.	SQUARE FEET		
SQ. YDS.	SQUARE YARDS		
STA.	STATION		

[illegible]

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MATADOR PRODUCTION COMPANY

LEATHERNECK RECYCLING CONTAINMENT

GENERAL NOTES AND LEGEND



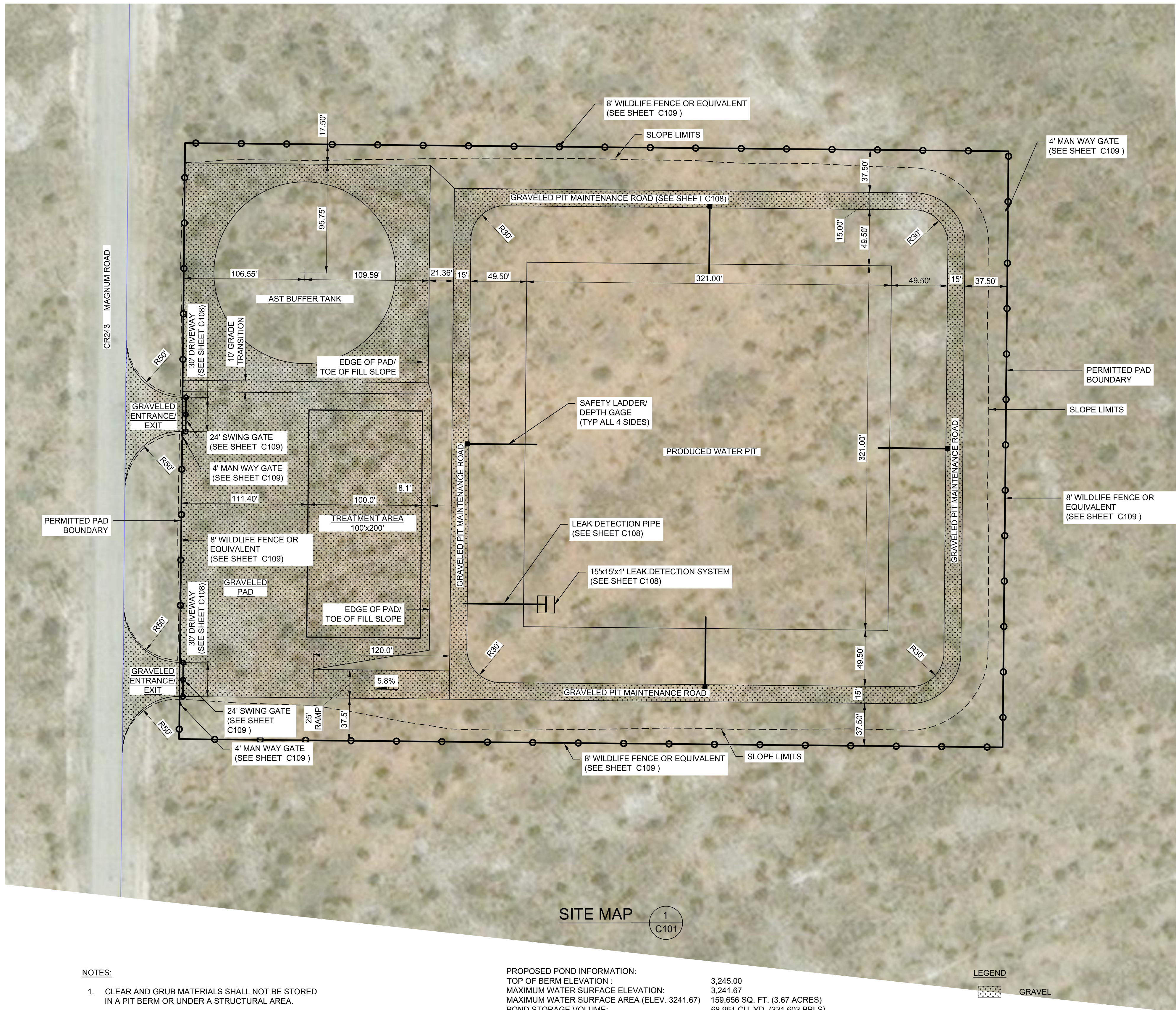
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Designed HDM	Drawn JTN	Checked HDM
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Date:	February 2019
Scale:	Horiz:
	Vert:

Project No: 5E26816
Sheet: G101





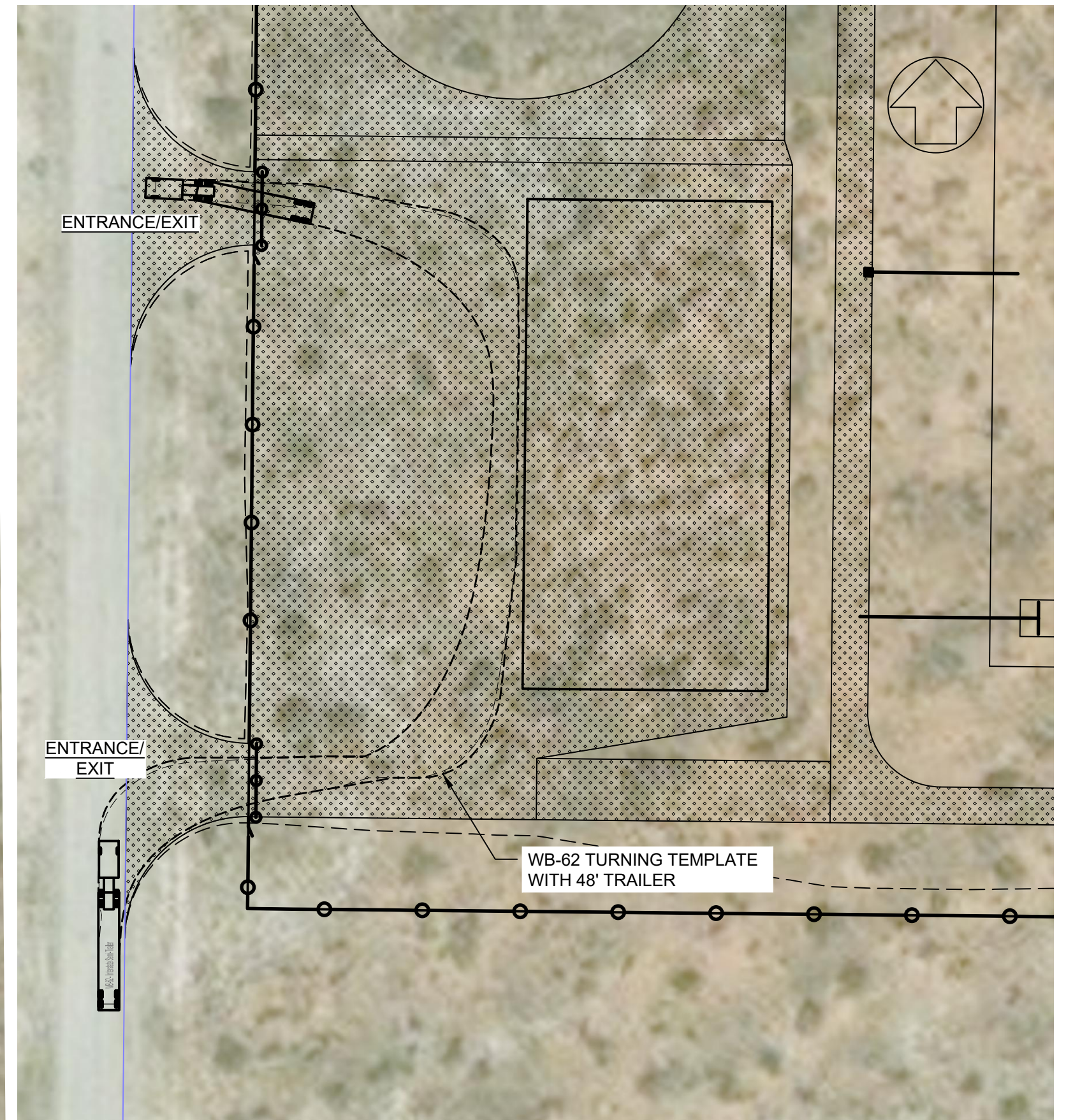
NOTES:

1. CLEAR AND GRUB MATERIALS SHALL NOT BE STORED IN A PIT BERM OR UNDER A STRUCTURAL AREA.
2. TOPSOIL STORAGE LOCATIONS WILL BE DESIGNATED AT TIME OF CONSTRUCTION BY THE OWNER.

PROPOSED POND INFORMATION:
TOP OF BERM ELEVATION: 3,245.00
MAXIMUM WATER SURFACE ELEVATION: 3,241.67
MAXIMUM WATER SURFACE AREA (ELEV. 3241.67) 159,656 SQ. FT. (3.67 ACRES)
POND STORAGE VOLUME: 68,961 CU. YD. (331,603 BBLs)

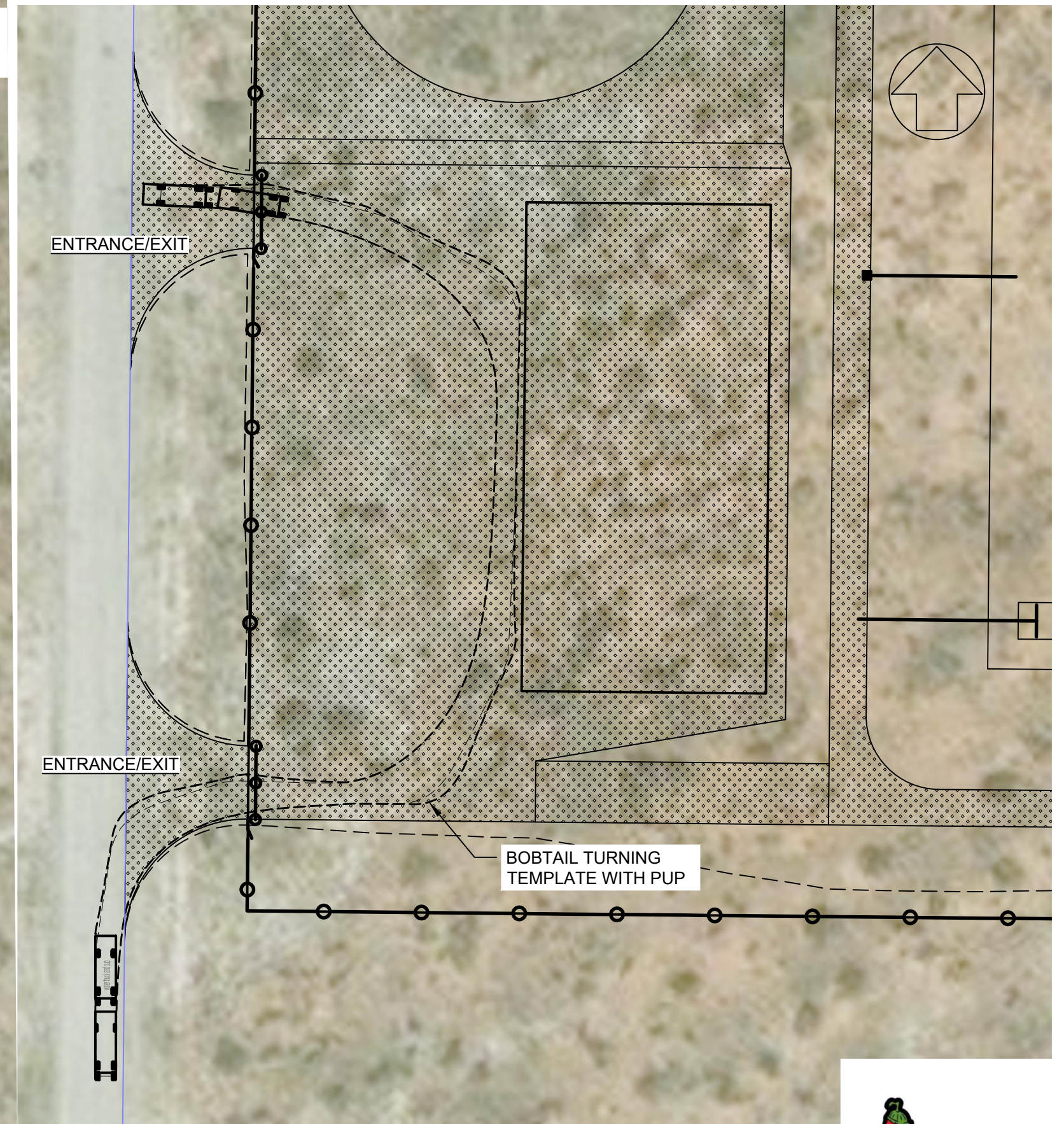
LEGEND

GRAVEL



WB-62 TURNING TEMPLATE

SCALE: 1" = 50'



BOBTAIL AND PUP TURNING TEMPLATE

SCALE: 1" = 50'

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MATADOR PRODUCTION COMPANY EDDY COUNTY, NEW MEXICO
LEATHERNECK RECYCLING CONTAINMENT
SITE MAP



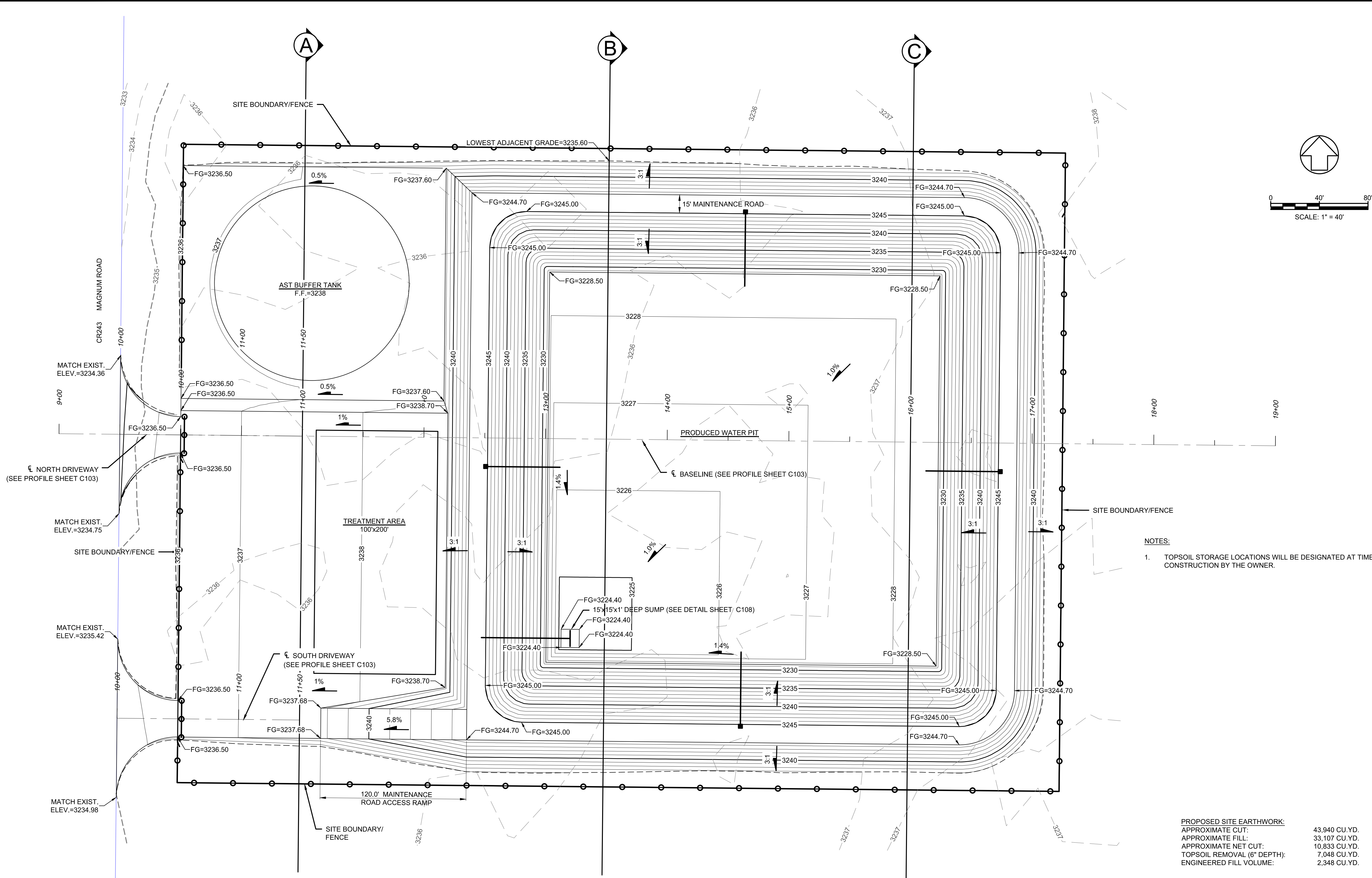
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HDM	JTN	HDM

Date: February 2019
Scale: Horiz:
Vert:

Project No: 5E26816

Sheet:
C101



- NOTES:
1. TOPSOIL STORAGE LOCATIONS WILL BE DESIGNATED AT TIME OF CONSTRUCTION BY THE OWNER.

PROPOSED SITE EARTHWORK:
APPROXIMATE CUT: 43,940 CU.YD.
APPROXIMATE FILL: 33,107 CU.YD.
APPROXIMATE NET CUT: 10,833 CU.YD.
TOPSOIL REMOVAL (6" DEPTH): 7,048 CU.YD.
ENGINEERED FILL VOLUME: 2,348 CU.YD.

On-Site Drainage	Area (ACRES)	NRCS Soil Types	Percent Imperviousness	Methodology for Analysis	Time of Concentration (MINUTES)	2-Year, 24-Hour Flow Rate (CFS)	5-Year, 24-Hour Flow Rate (CFS)	10-Year, 24-Hour Flow Rate (CFS)	25-Year, 24-Hour Flow Rate (CFS)	50-Year, 24-Hour Flow Rate (CFS)	100-Year, 24-Hour Flow Rate (CFS)	NOTE
Pre-Development Area	9.1	C	2	Rational Method	29.34	0.16	0.29	2.12	9.24	13.64	19.83	Historical
Post-Development Pad Area	5.0	C	50	Rational Method	21.11	4.51	6.53	8.92	13.29	16.32	20.05	Post Development

Rainfall Impact on Pit Freeboard			
Storm Event	Stormwater Volume (CF)	Pit Volume Increase (CF)	Impact on Freeboard (FT)
Maximum Storage	1,911,494.01	0	0.000
25-Yr, 24-Hr	32,882.22	1,944,376.23	0.195
50-Yr, 24-Hr	37,445.49	1,981,821.72	0.222
100-Yr, 24-Hr	42,411.33	2,024,233.05	0.252

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MATADOR PRODUCTION COMPANY EDDY COUNTY, NEW MEXICO
LEATHERNECK RECYCLING CONTAINMENT
SITE GRADING AND DRAINAGE PLAN

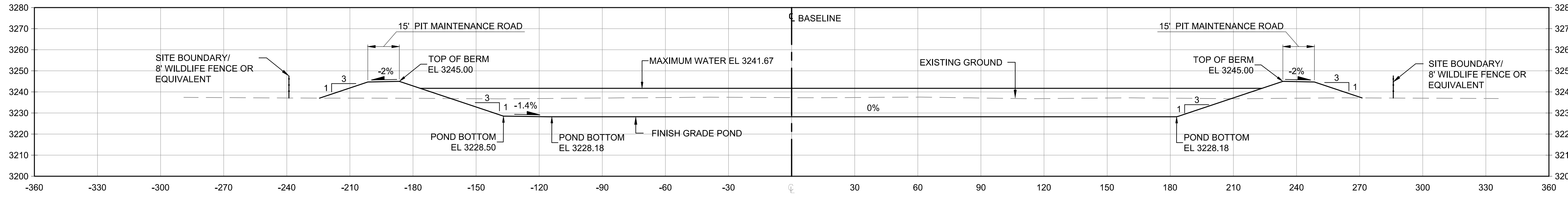


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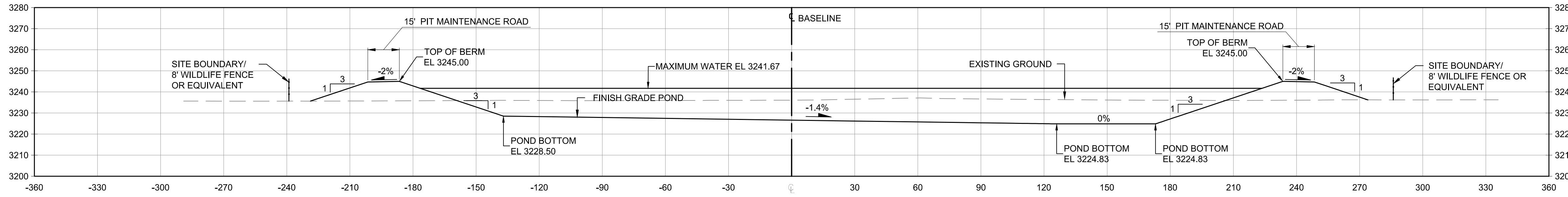
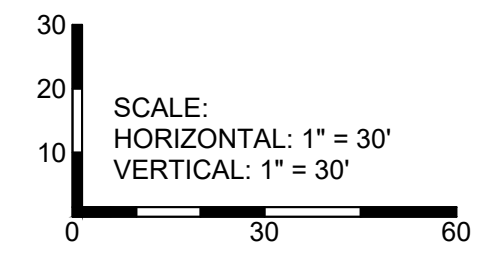
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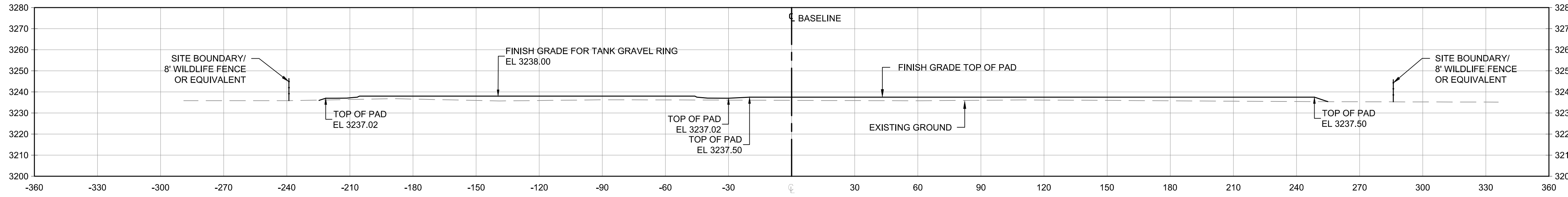
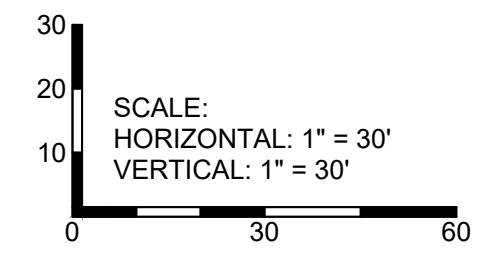




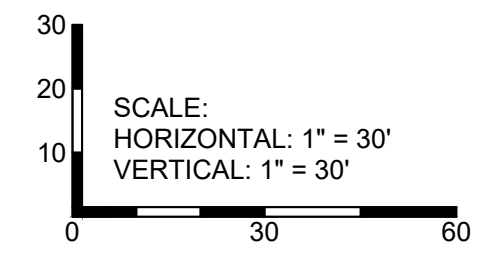
SECTION C
STA. 16+00



SECTION B
STA. 13+60



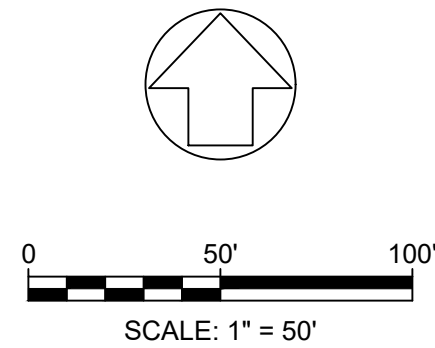
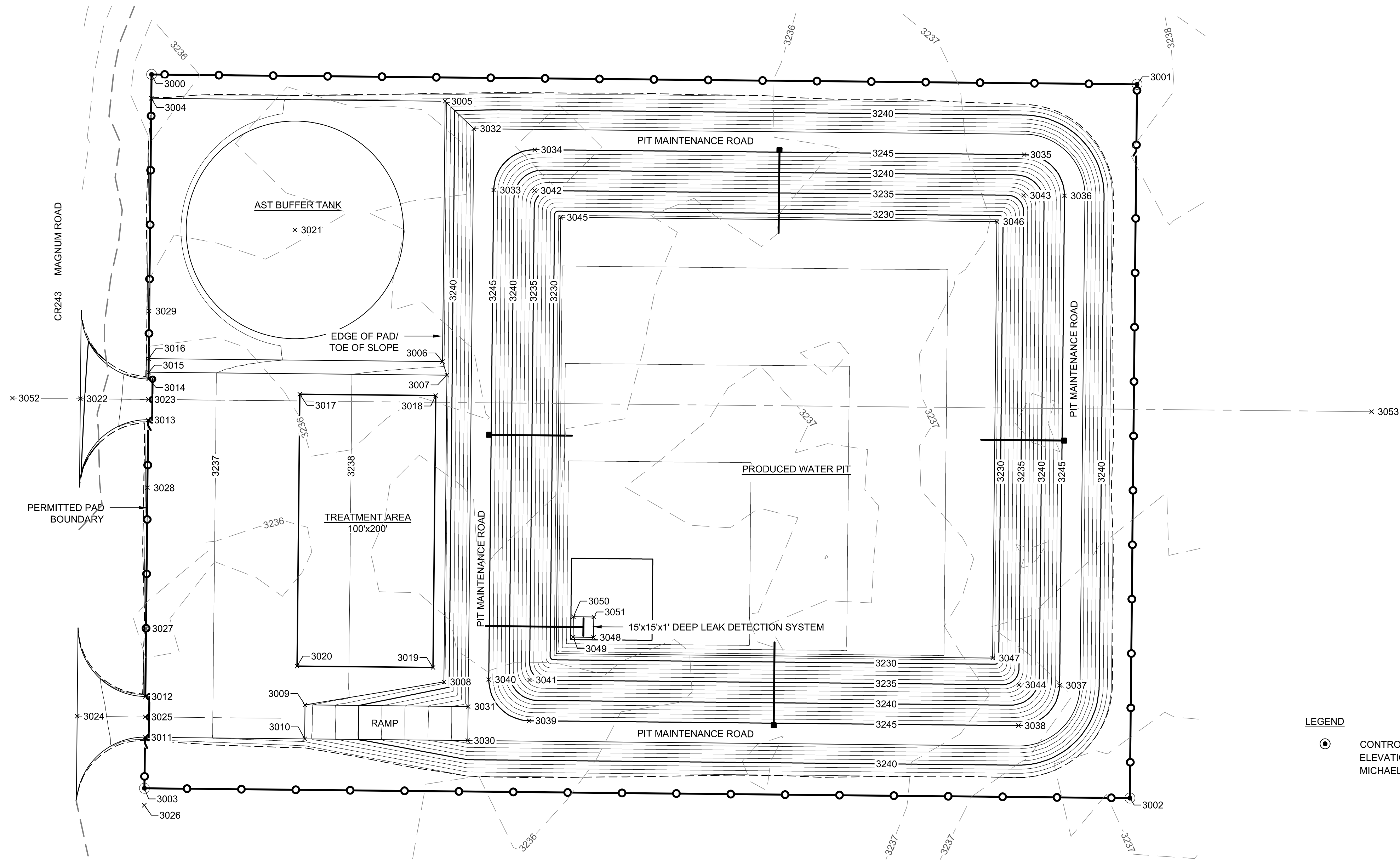
SECTION A
STA. 11+00



NOTE:
1. ON-SITE AND IMPORTED SOILS SHOULD BE COMPACTED AT MOISTURE CONTENTS NEAR OPTIMUM. EMBANKMENT FILLS SHOULD BE COMPACTED TO A MINIMUM 95 PERCENT OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D1557 AT NEAR OPTIMUM MOISTURE CONTENT IN LIFTS NOT EXCEEDING 6-INCHES IN LOOSE THICKNESS.



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	Description	
Rev #	Date	
MATADOR PRODUCTION COMPANY EDDY COUNTY, NEW MEXICO LEATHERNECK RECYCLING CONTAINMENT SITE CROSS SECTIONS		
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HDM	JTN	HDM
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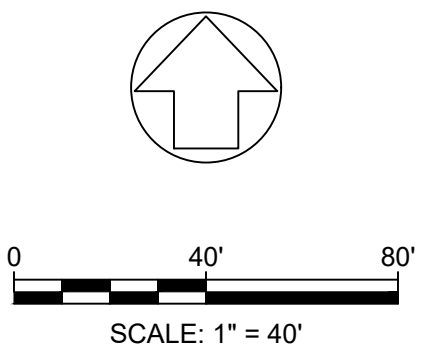
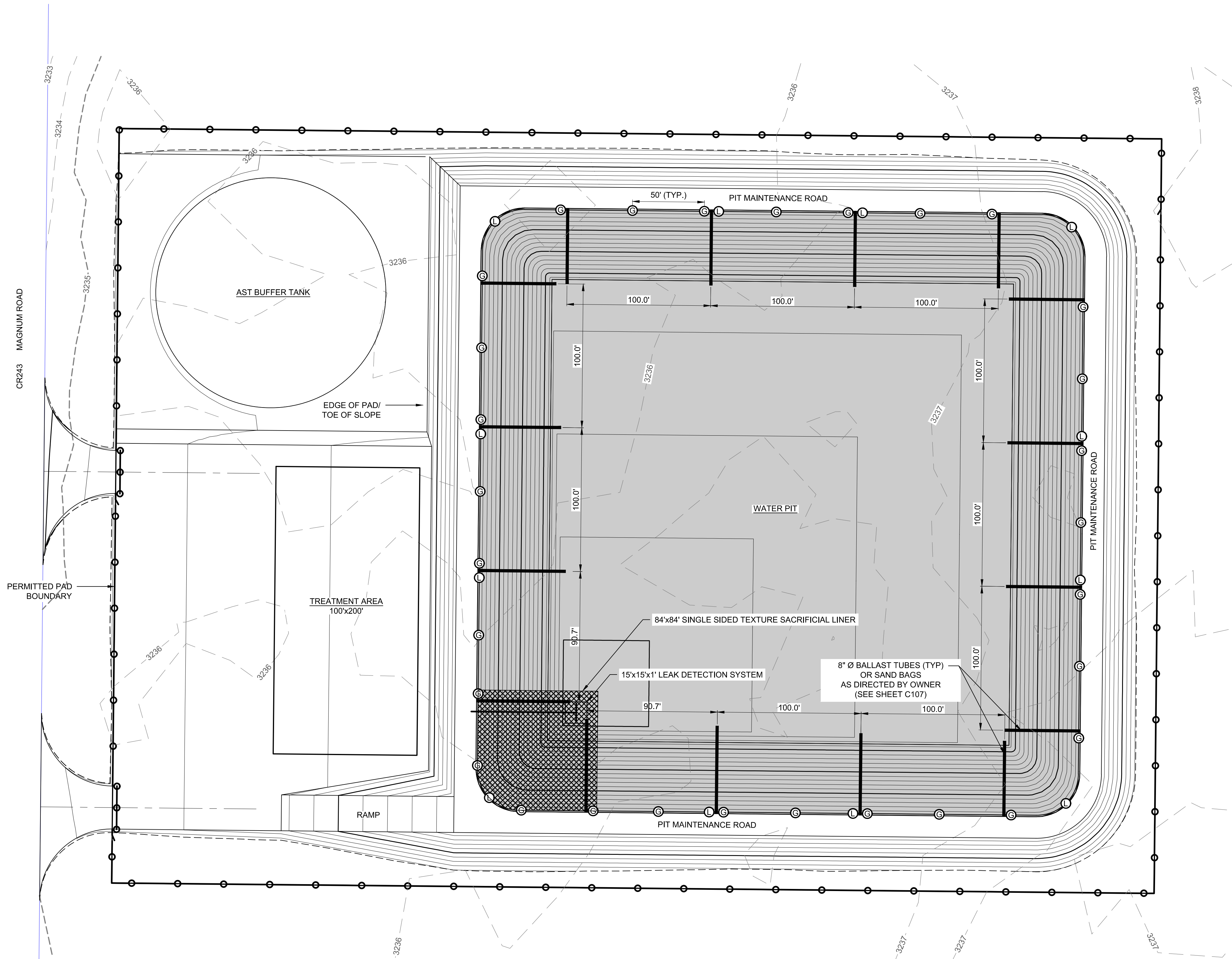
- LEGEND
- CONTROL POINT, 1/2" IRON ROD WITH CAP STAMPED "TOPOGRAPHIC" ELEVATIONS PER SURVEY "FRAC POND SITE" BY TOPOGRAPHIC, MICHAEL B. BROWN P.L.S. #18329, DATED JULY 23, 2018.

Point Table				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
3000	561692.78	606323.11	3236.60	SITE CORNER/CONTROL POINT
3001	561685.56	607048.08	3238.70	SITE/FENCE CORNER/CONTROL POINT
3002	561160.58	607042.85	3237.40	SITE/FENCE CORNER/CONTROL POINT
3003	561167.80	606317.88	3235.70	SITE CORNER/CONTROL POINT
3004	561675.28	606322.94	3236.50	TOP OF PAD
3005	561673.12	606539.07	3237.60	TOP OF PAD
3006	561481.63	606537.16	3237.60	TOP OF PAD
3007	561471.60	606540.40	3238.70	TOP OF PAD
3008	561246.04	606538.15	3238.70	TOP OF PAD
3009	561229.13	606436.00	3237.68	RAMP
3010	561204.13	606435.75	3237.68	RAMP
3011	561205.32	606318.26	3236.50	TOP OF PAD
3012	561235.30	606318.56	3236.50	TOP OF PAD
3013	561438.71	606320.58	3236.50	TOP OF PAD
3014	561468.79	606320.88	3236.50	TOP OF PAD
3015	561473.79	606320.93	3236.50	TOP OF PAD
3016	561483.79	606321.03	3236.50	TOP OF PAD
3017	561457.68	606432.18	3237.63	TREATMENT AREA
3018	561456.68	606532.17	3238.65	TREATMENT AREA
3019	561256.69	606530.18	3238.65	TREATMENT AREA
3020	561257.69	606430.18	3237.62	TREATMENT AREA

Point Table				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
3021	561578.47	606428.53	3238.00	TANK CENTER
3022	561454.29	606270.73	0.00	CL DRIVEWAY
3023	561453.79	606320.73	3236.50	CL DRIVEWAY
3024	561220.80	606268.41	3235.15	CL DRIVEWAY
3025	561220.30	606318.41	3236.50	CL DRIVEWAY
3026	561155.30	606317.76	0.00	RADIUS POINT
3027	561285.30	606319.05	0.00	RADIUS POINT
3028	561388.79	606320.08	0.00	RADIUS POINT
3029	561518.79	606321.38	0.00	RADIUS POINT
3030	561202.94	606555.74	3244.70	TOP OF RAMP
3031	561227.93	606555.99	3244.70	TOP OF RAMP
3032	561652.91	606560.23	3244.70	TOP OF BERM
3033	561607.77	606574.78	3245.00	TOP OF BERM
3034	561637.47	606605.07	3245.00	TOP OF BERM
3035	561633.88	606965.06	3245.00	TOP OF BERM
3036	561603.58	606994.76	3245.00	TOP OF BERM
3037	561243.60	606991.17	3245.00	TOP OF BERM
3038	561213.90	606960.87	3245.00	TOP OF BERM
3039	561217.49	606600.89	3245.00	TOP OF BERM
3040	561247.78	606571.19	3245.00	TOP OF BERM
3041	561247.48	606601.19	0.00	RADIUS POINT

Point Table				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
3042	561607.47	606604.78	0.00	RADIUS POINT
3043	561603.88	606964.76	0.00	RADIUS POINT
3044	561243.90	606961.17	0.00	RADIUS POINT
3045	561587.77	606624.08	3228.50	BOTTOM OF POND
3046	561584.58	606945.06	3228.50	BOTTOM OF POND
3047	561263.59	606941.87	3228.50	BOTTOM OF POND
3048	561278.82	606648.30	3224.40	TOP OF SUMP
3049	561278.97	606633.31	3224.40	TOP OF SUMP
3050	561293.97	606633.46	3224.40	TOP OF SUMP
3051	561293.82	606648.45	3224.40	TOP OF SUMP
3052	561454.78	606220.74	0.00	BASELINE STA. 9+00
3053	561444.82	607220.69	0.00	BASELINE STA. 19+00

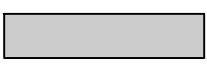




NOTES:

1. LINERS AND GEOTEXTILE LAYER SHALL COVER PIT BOTTOM, SIDE SLOPES AND END IN THE ANCHOR TRENCH. SEE DETAIL SHEETS C107 AND MANUFACTURES SPECIFICATIONS.
2. SACRIFICIAL LINER SHALL BE OF A CONTRASTING COLOR TO OTHER LINERS AND TEXTURED.

LEGEND



LINERS/GEONET LEAK DETECTION LAYER/8 oz. GEOTEXTILE LAYER (SEE SHEET C107)



SACRIFICIAL LINER



GEONET LEAK DETECTION VENTS (SEE SHEET C107)



GEOTEXTILE GAS VENTS (SEE SHEET C107)

QUANTITIES:

1-60 MIL CONDUCTIVE HDPE LINER:
1-200 MIL GEONET LEAK DETECTION LAYER:
1-40 MIL HDPE LINER:
1-8 oz. GEOTEXTILE LAYER:
1-SACRIFICIAL LINER:
BALLAST TUBES/SAND BAGS:
ANCHOR TRENCH:

197,325 SQ.FT.
197,325 SQ. FT.
197,325 SQ.FT.
197,325 SQ.FT.
7,056 SQ.FT.
891 LF
1,623 LF



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MATADOR PRODUCTION COMPANY EDDY COUNTY, NEW MEXICO

LEATHERNECK RECYCLING CONTAINMENT LINER, BALLAST AND GEONET VENTILATION LAYOUT



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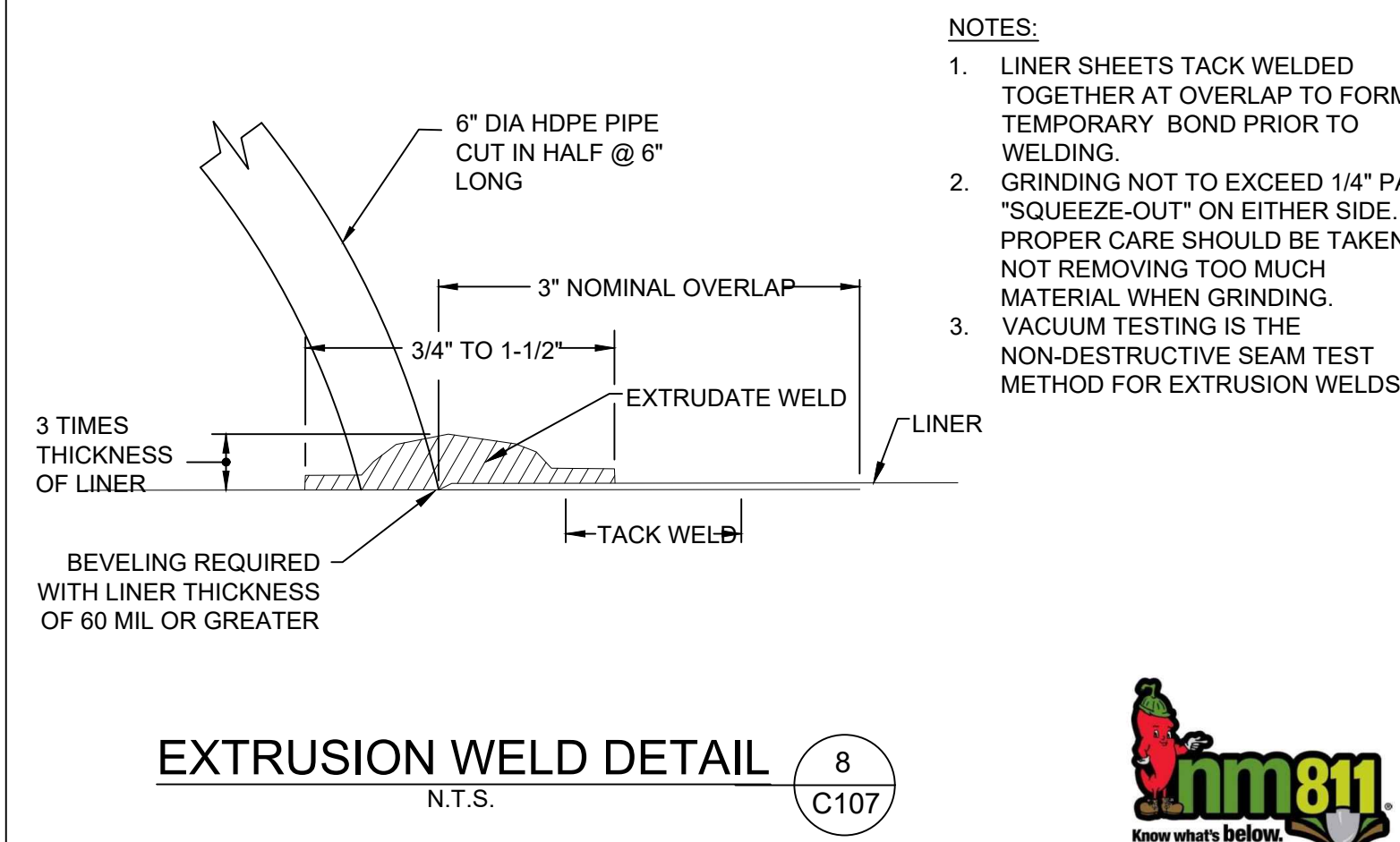
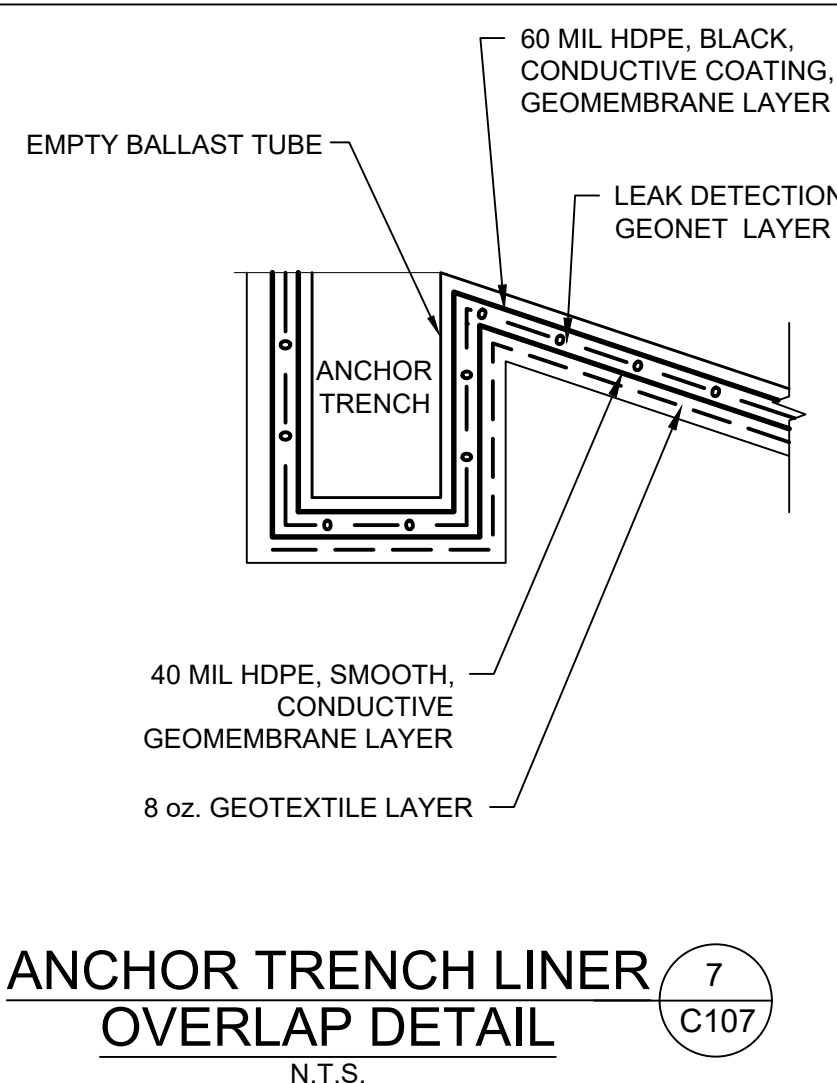
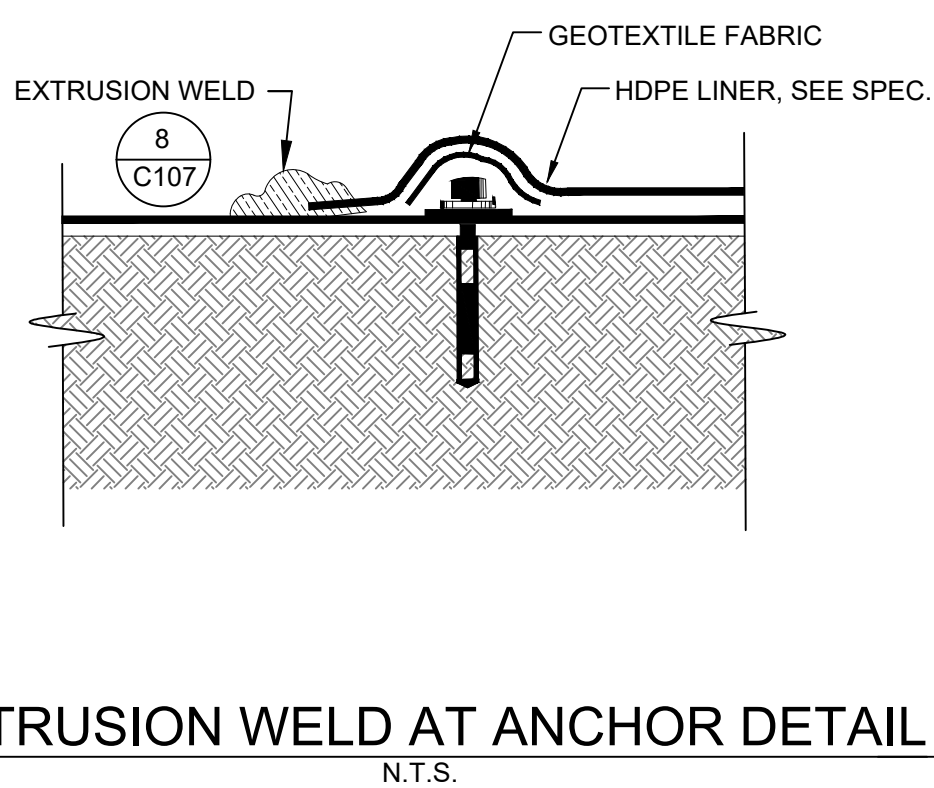
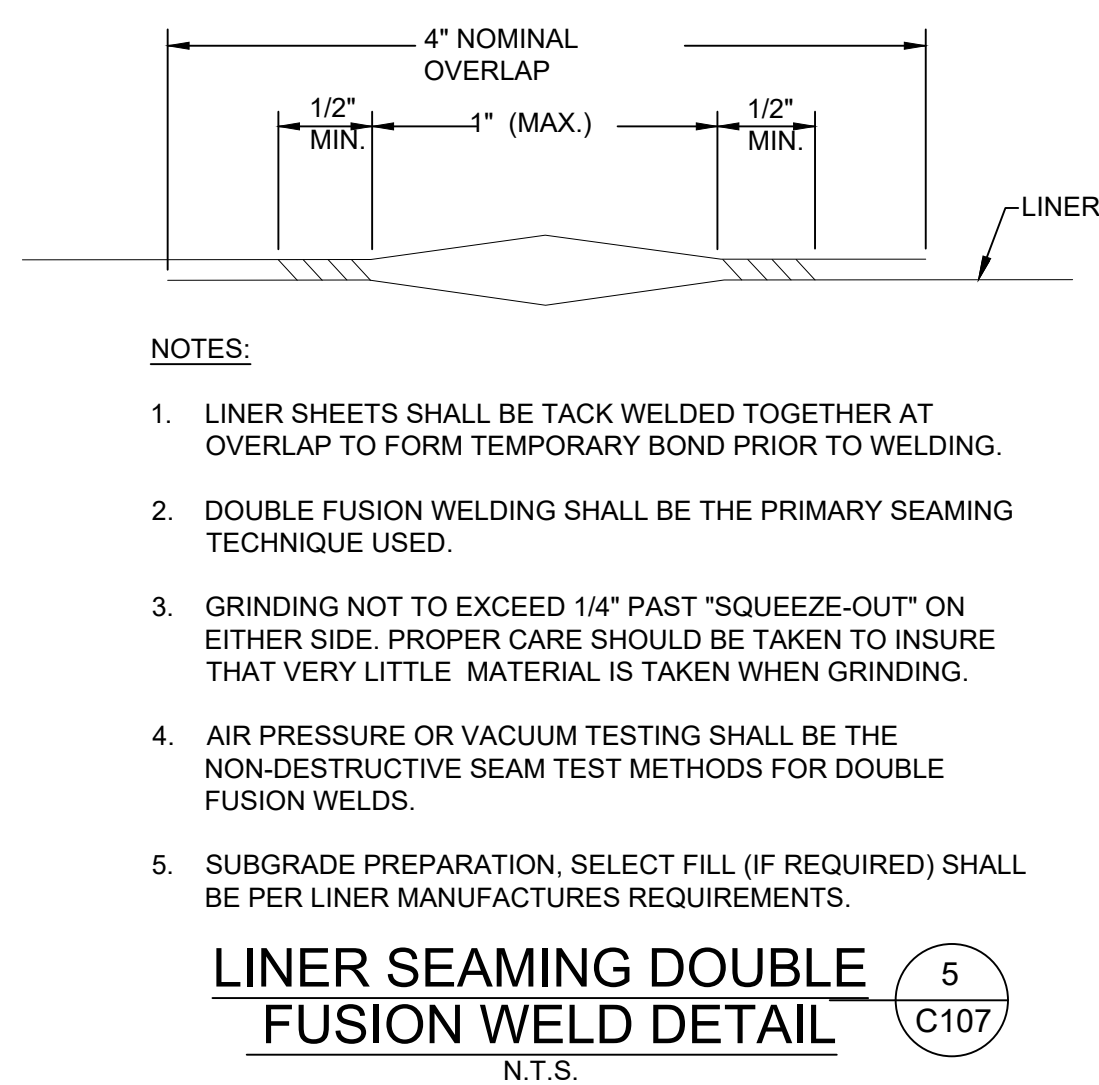
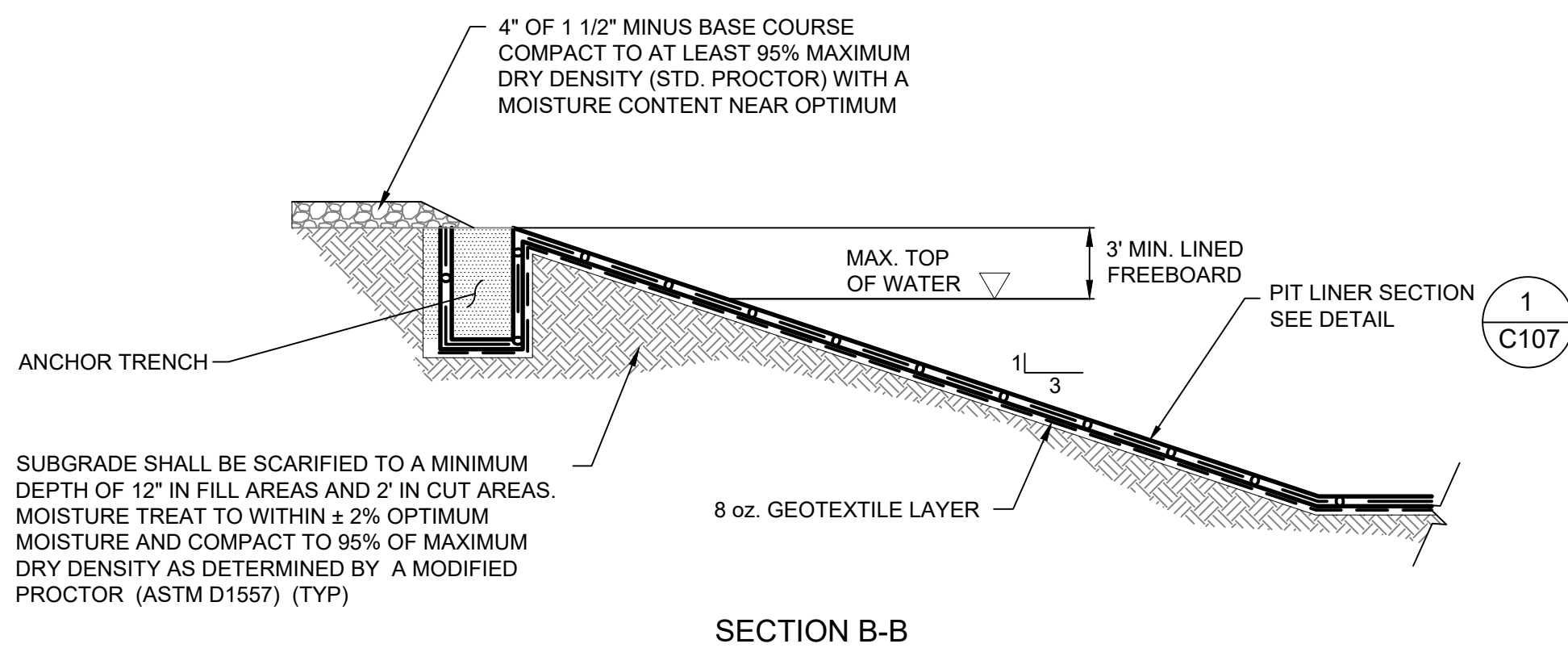
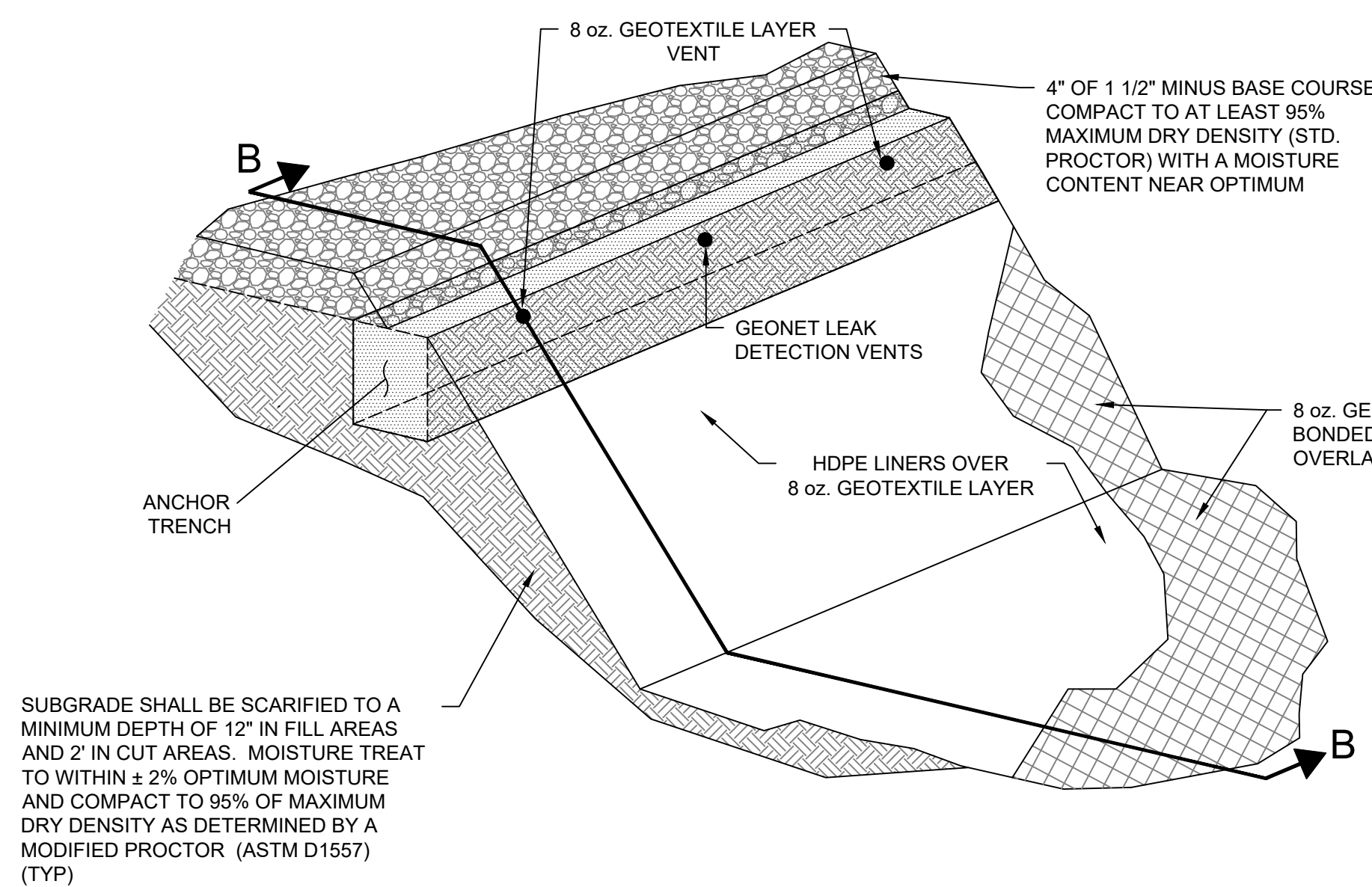
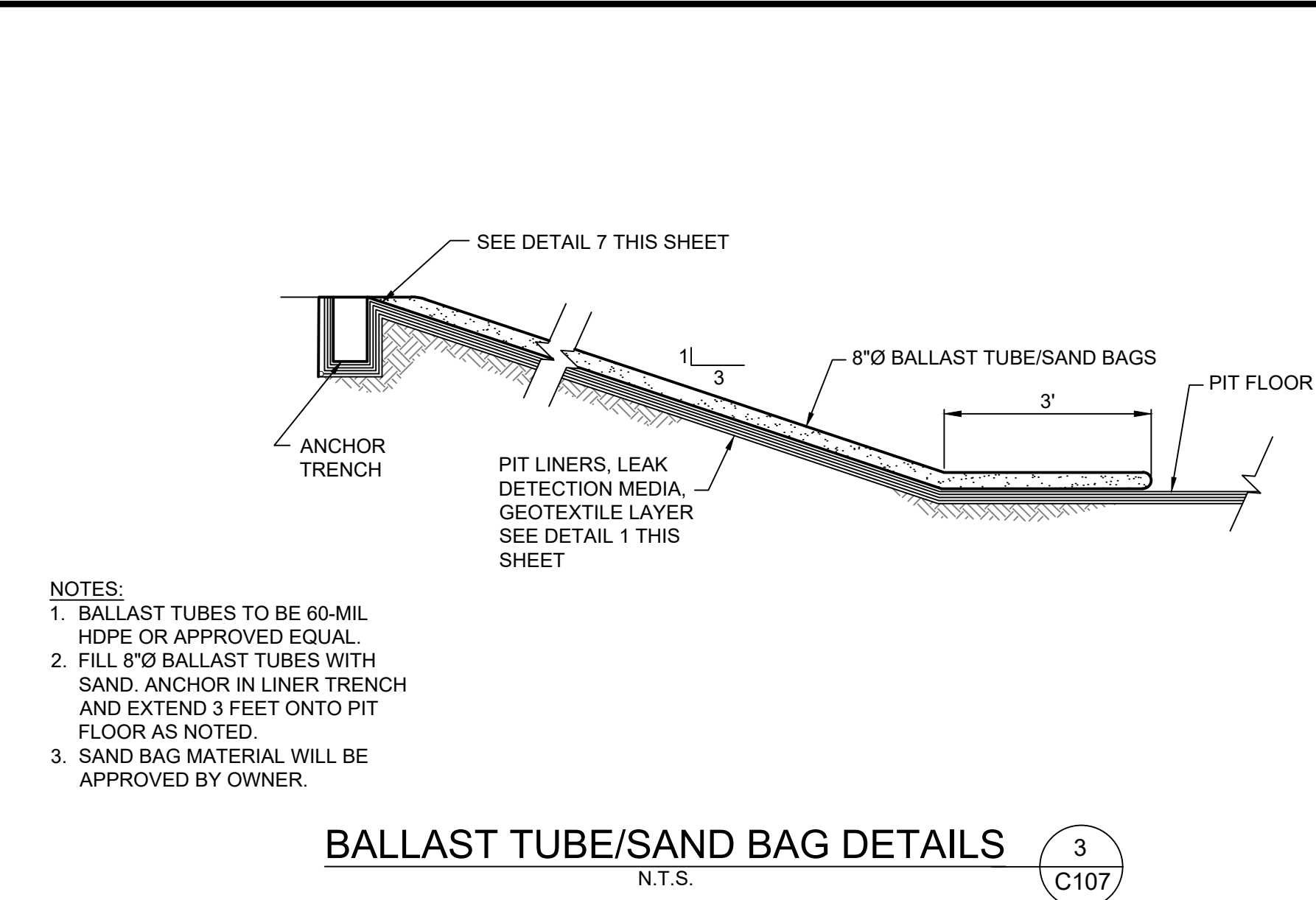
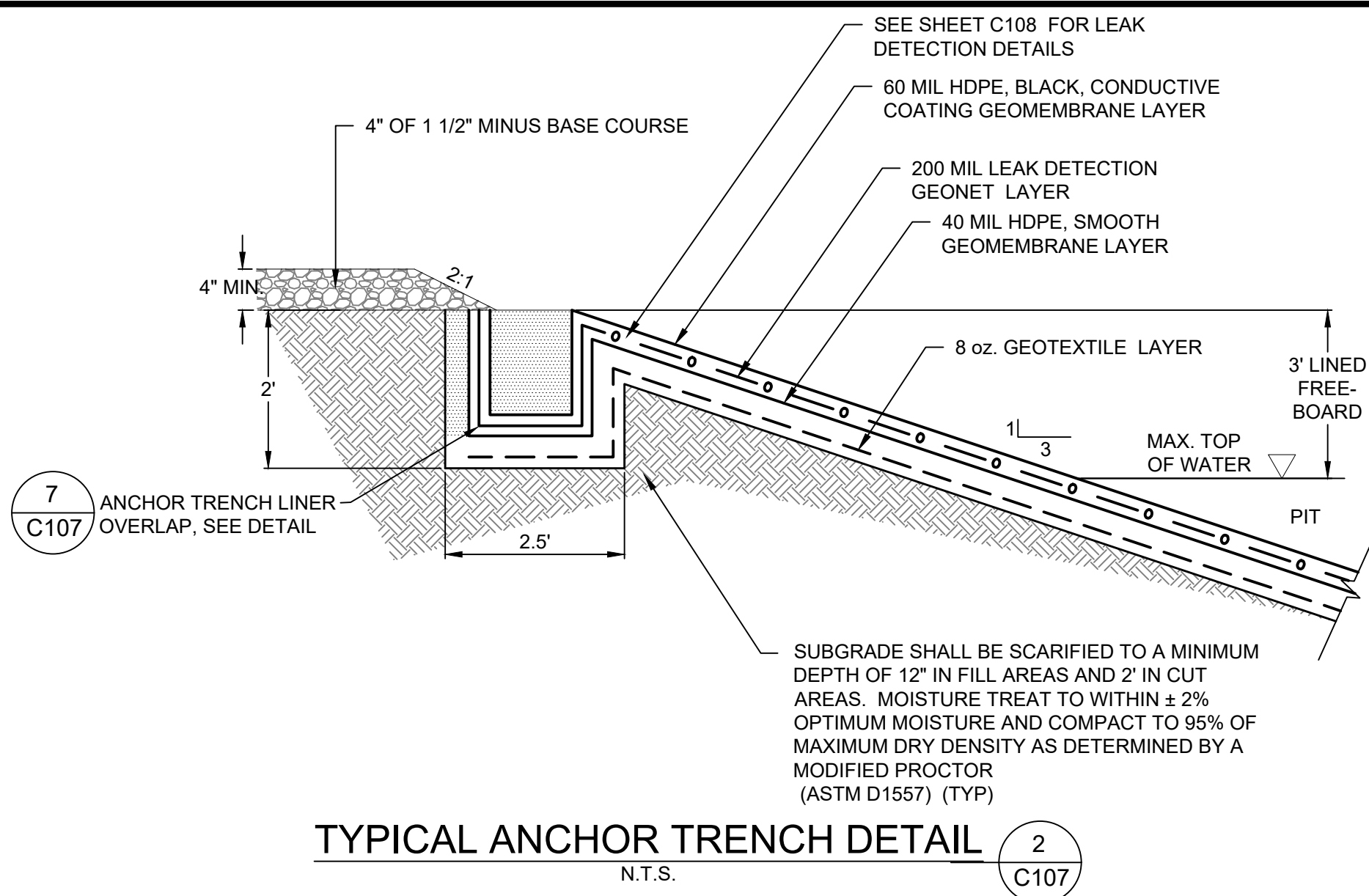
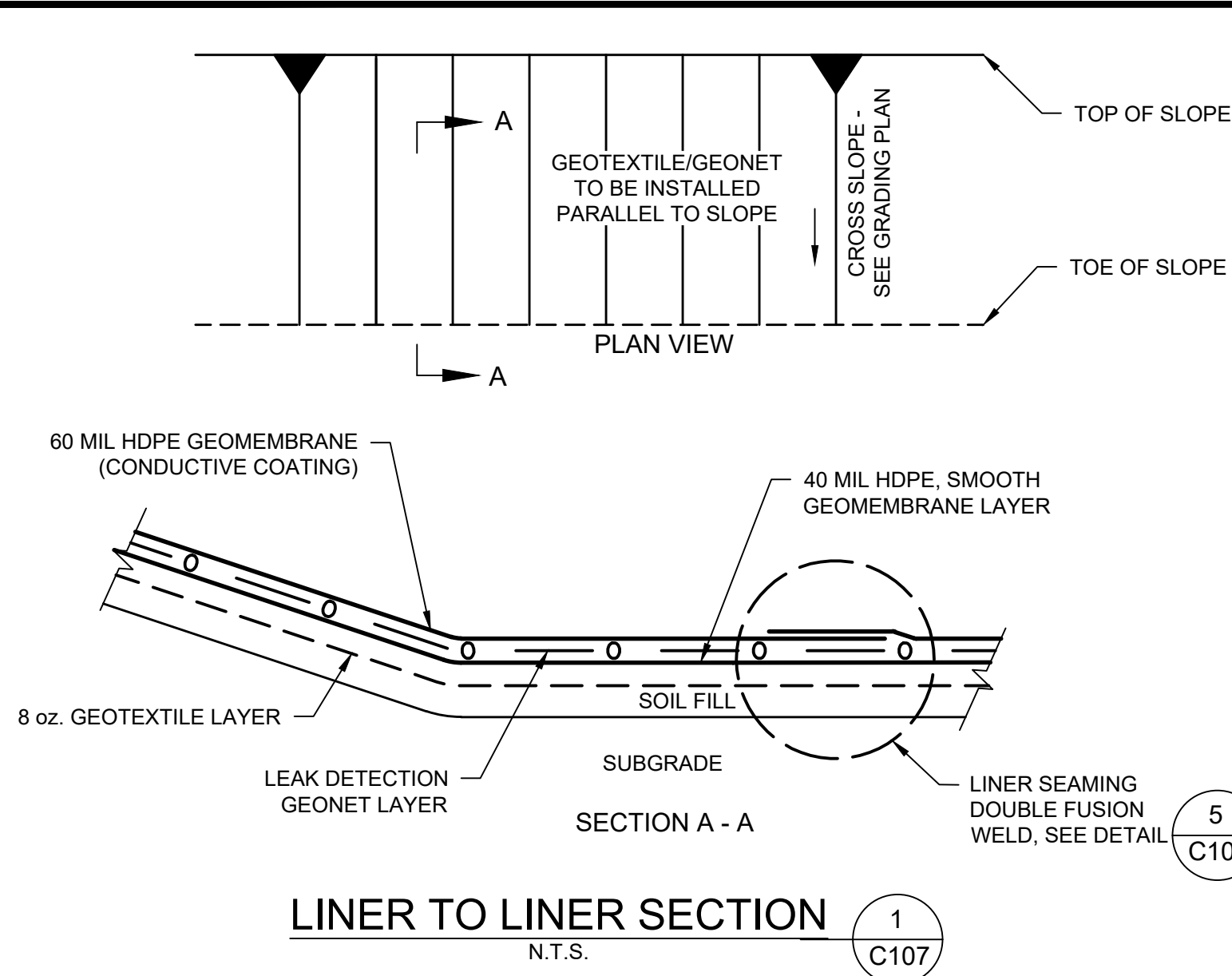
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HDM	JTN	HDM

Date: February 2019

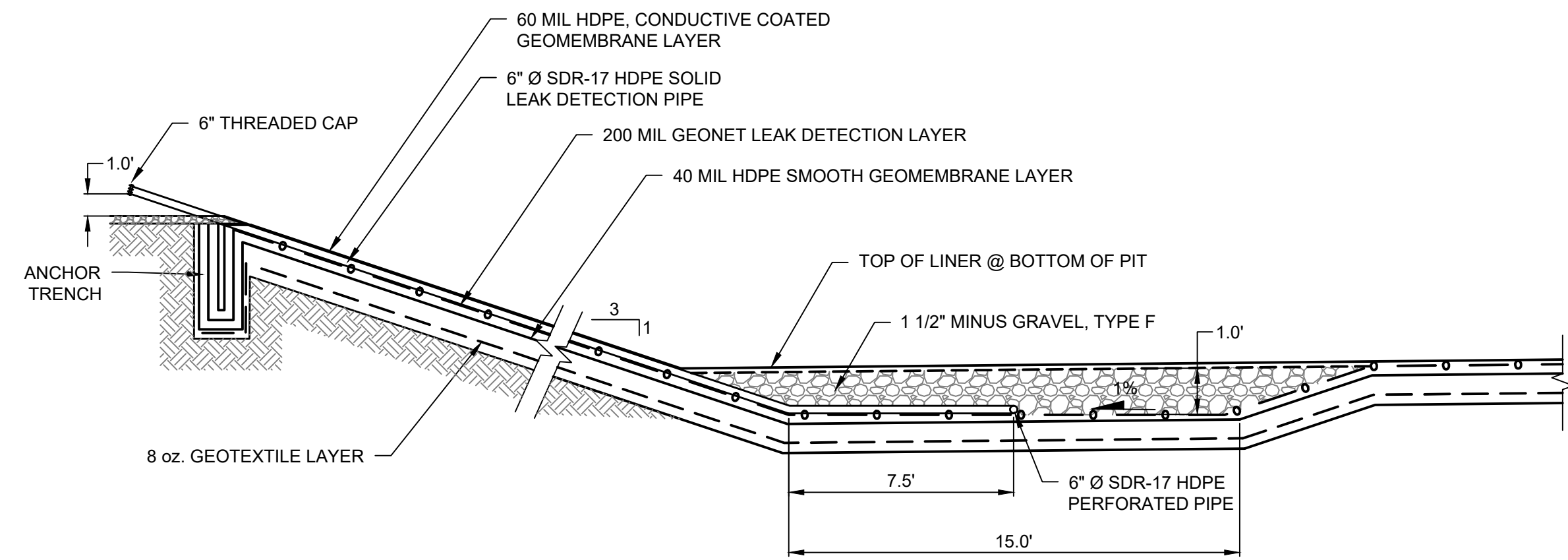
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Project No: 5E26816

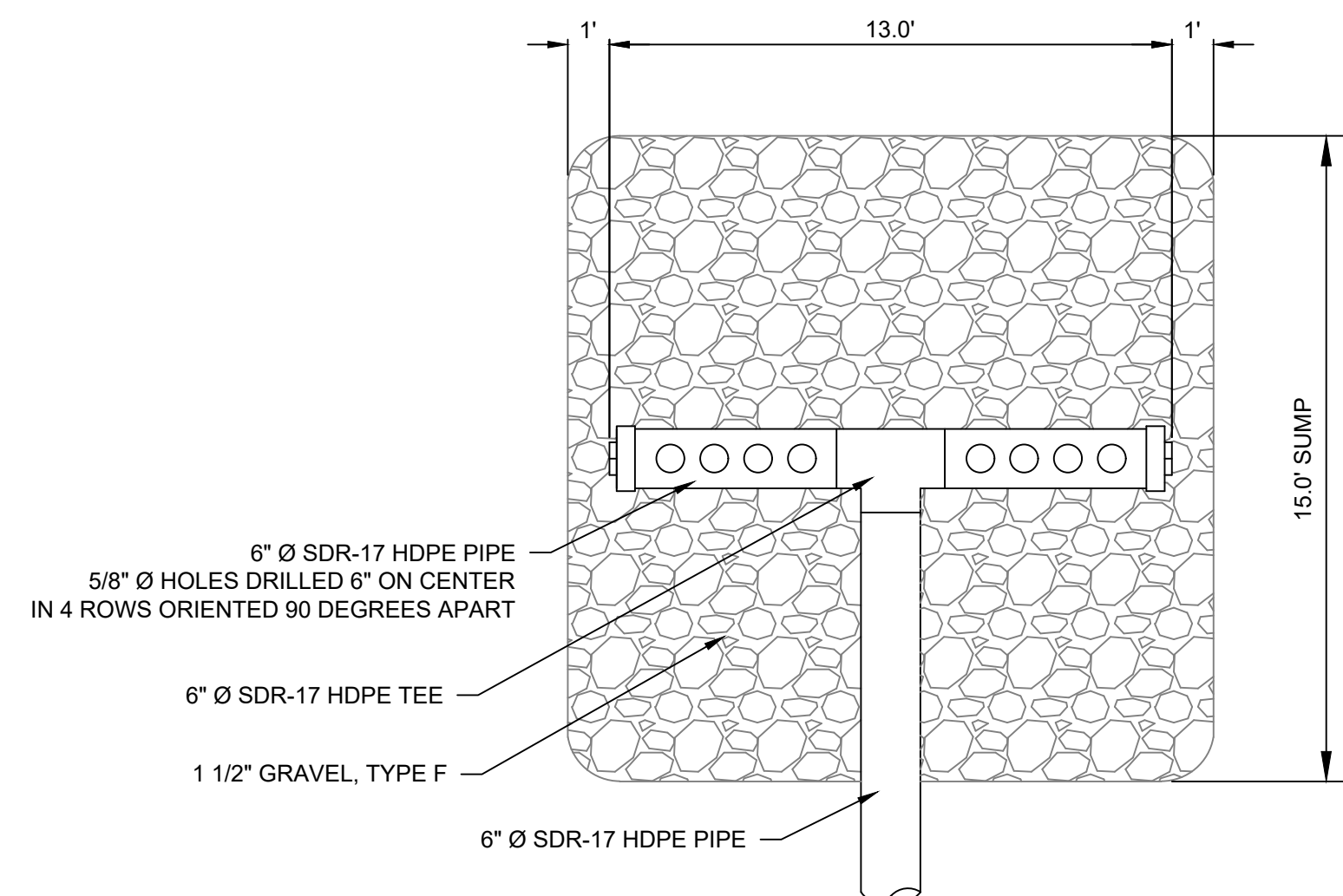
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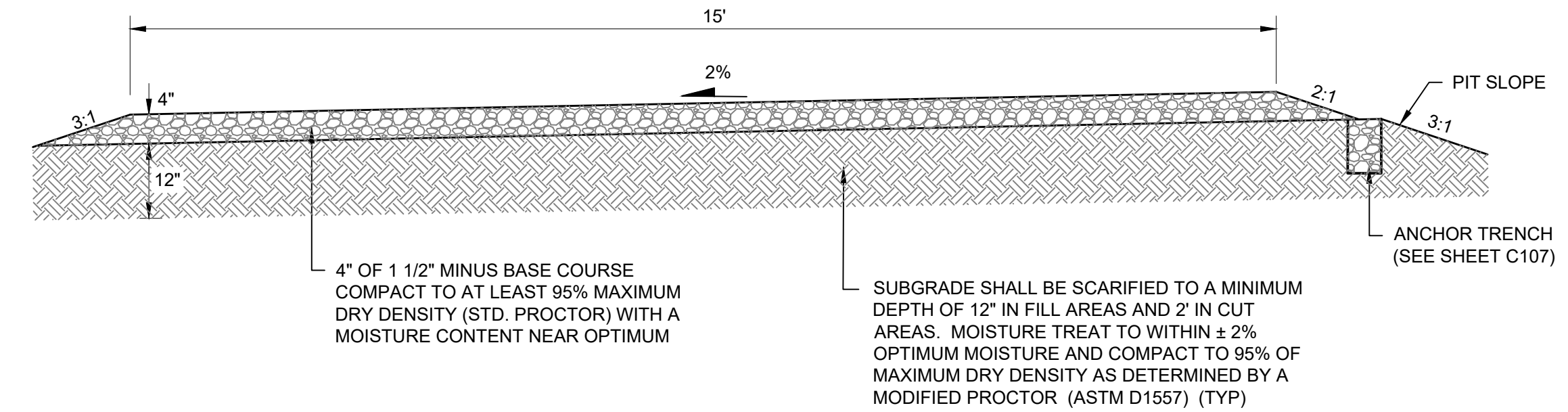
By	CHKD
Description	
Rev #	Date
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SMASMA SOUTHERN MOUNTAIN ASSOCIATES	
LEATHERNECK RECYCLING CONTAINMENT RECYCLING CONTAINMENT LINER AND BALLAST TUBE DETAILS	
PROFESSIONAL ENGINEER 22047 2-4-2017	
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Designed	Checked
HDM	HDM
Drawn	Checked
JTN	HDM
Date:	February 2019
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Project No:	5E26816
Sheet:	C107



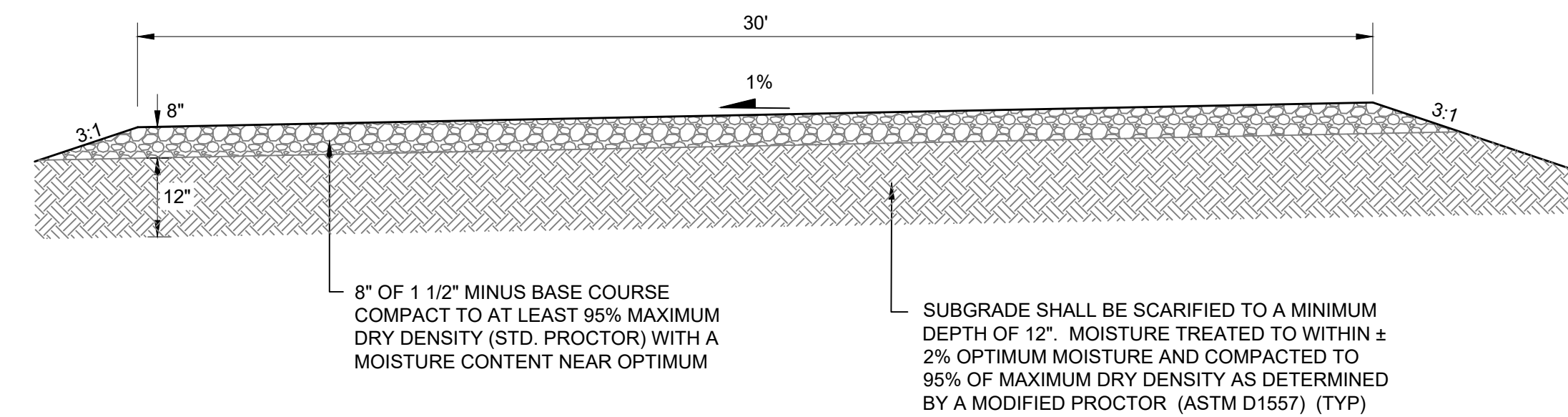
**PRODUCED WATER PIT
LEAK DETECTION SUMP** 1
N.T.S. C108



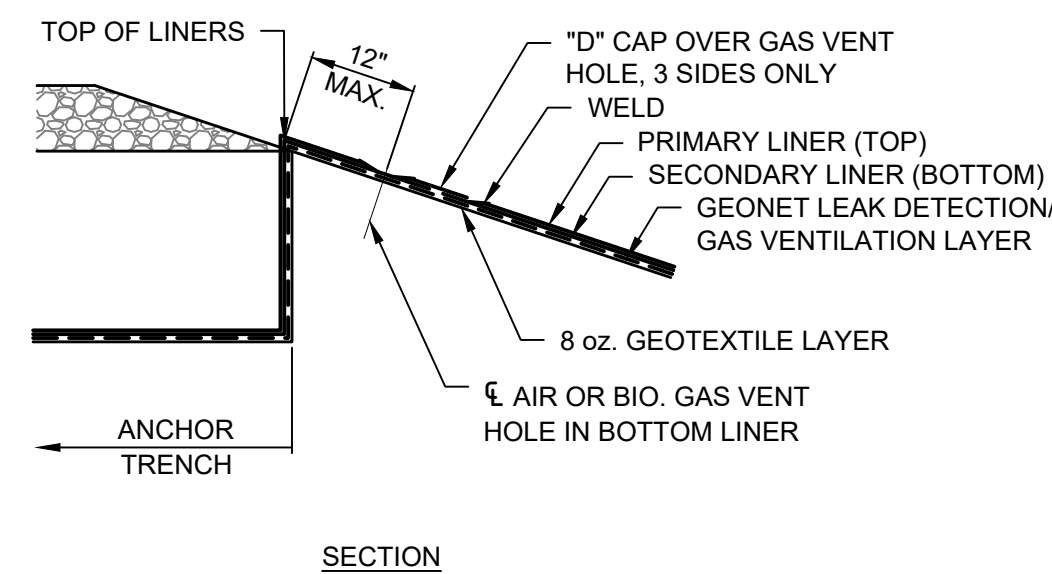
**LEAK DETECTION SYSTEM
PIPE DETAIL** 2
N.T.S. C108



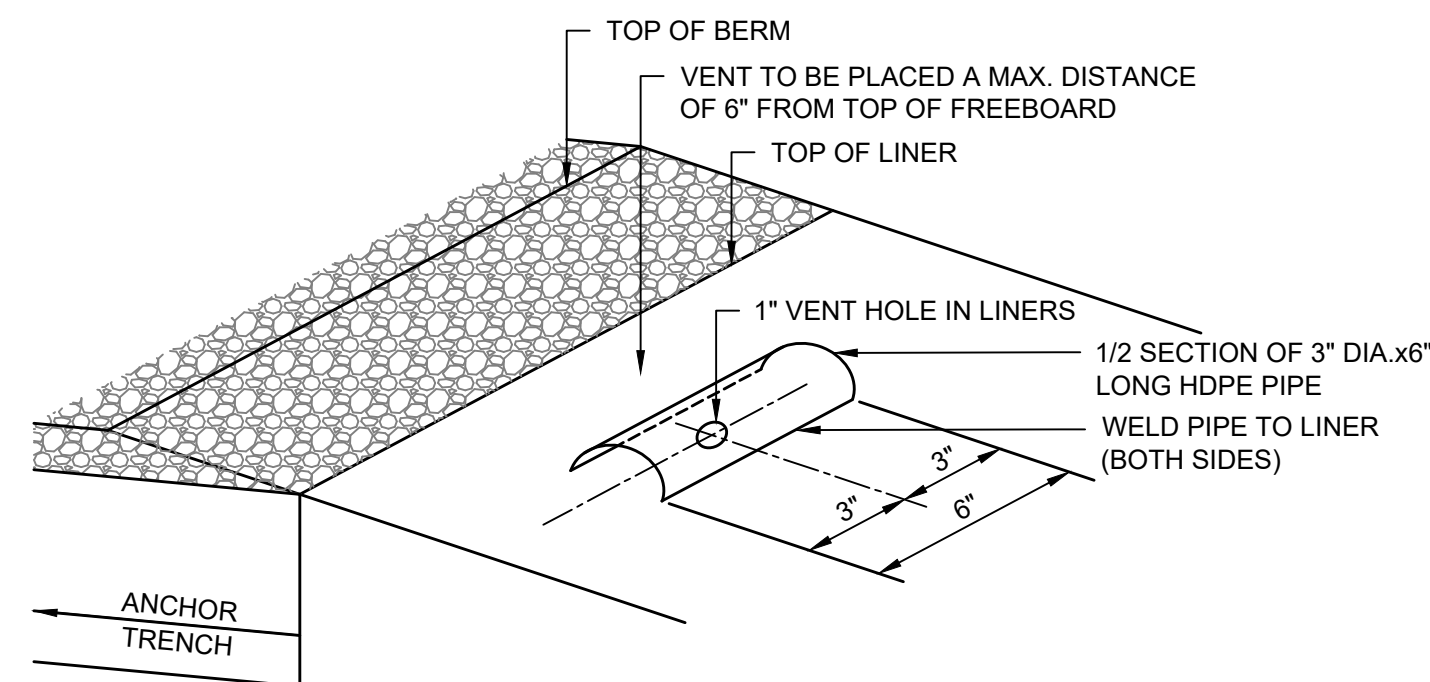
PRODUCED WATER PIT MAINTENANCE ROAD SECTION 3
N.T.S. C108



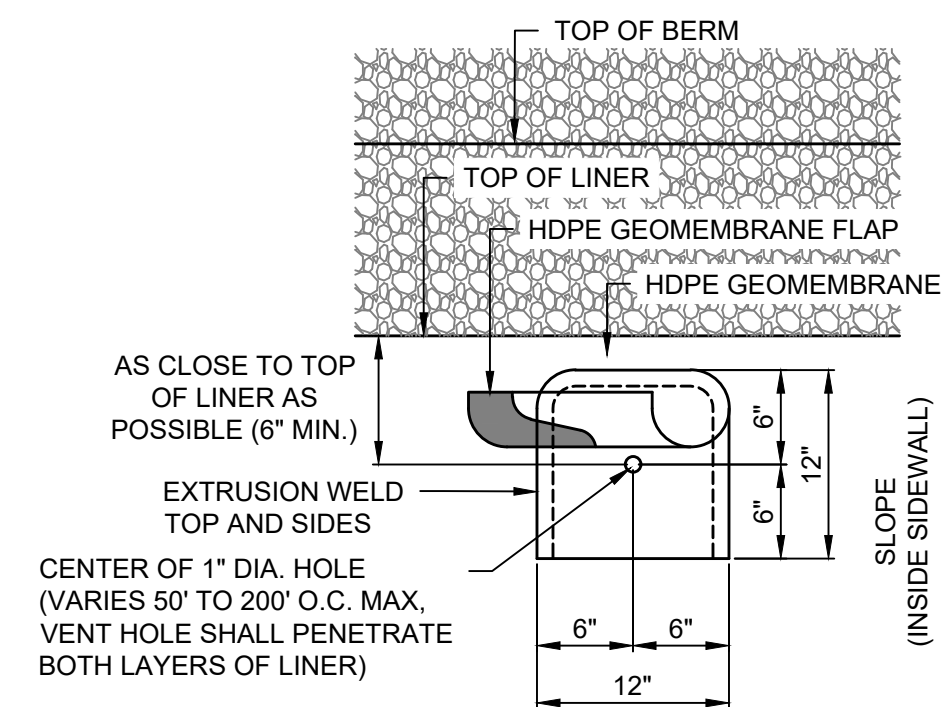
SITE DRIVEWAY ROAD SECTION 4
N.T.S. C108



TYPICAL DOUBLE LINER GAS VENT 5
N.T.S. C108



TYPICAL VENT HOLE WITH HDPE PIPE 6
N.T.S. C108



TYPICAL VENT POCKET DETAIL 7
N.T.S. C108

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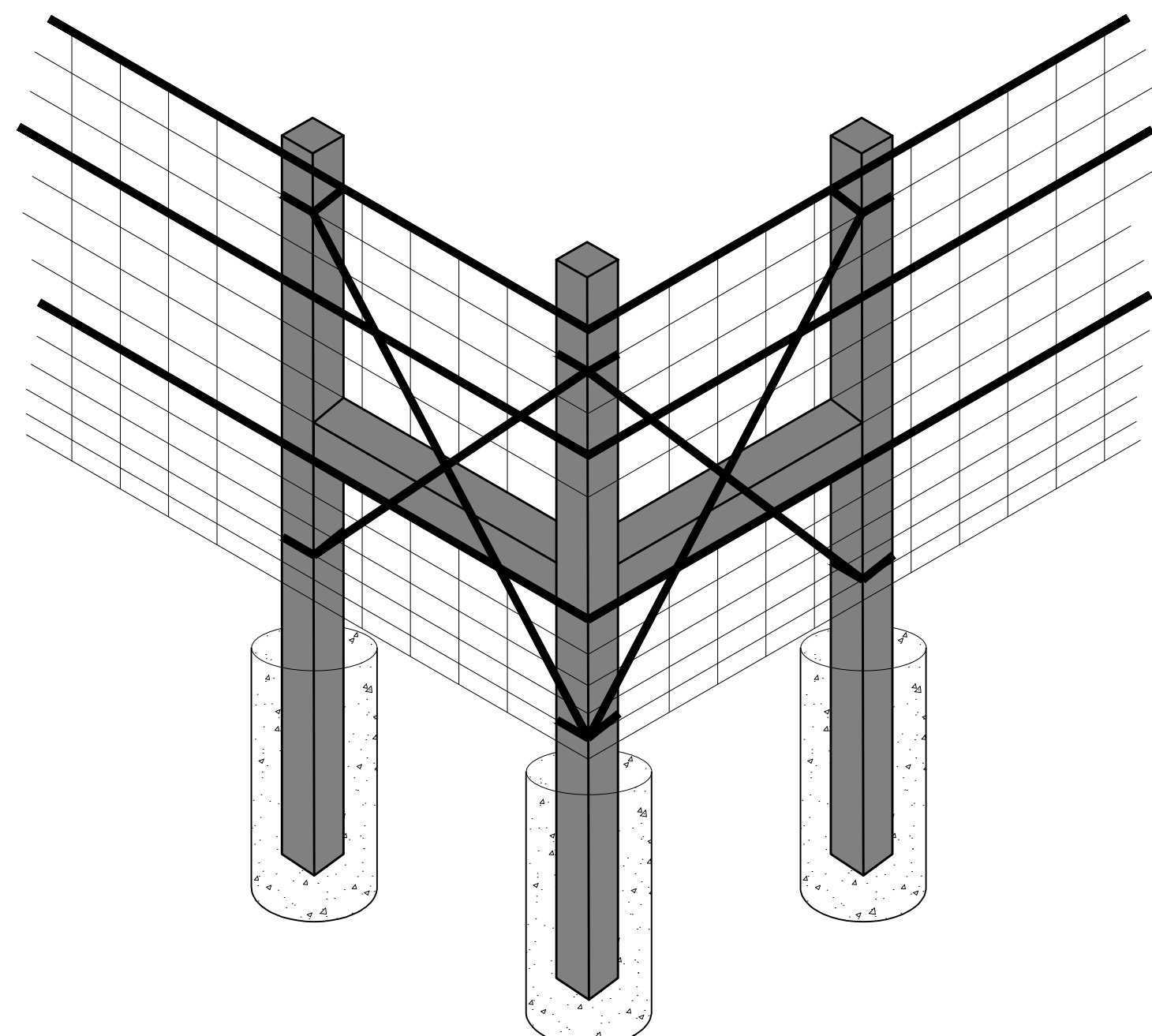
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MATADOR PRODUCTION COMPANY EDDY COUNTY, NEW MEXICO
**LEATHERNECK RECYCLING CONTAINMENT
LEAK DETECTION SYSTEM, VENTING, AND
ROAD DETAILS**



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Project No: 5E26816
Sheet: C108





CORNER POST & BRACING

N.T.S.

2
C109

NOTICE
NON-POTABLE
WATER NOT FOR
DRINKING OR
COOKING USE

AVISO
AGUA NO POTABLE
NO APTA PARA
BEBER NI COCINAR

Diagram illustrating a double door assembly with safety signage and dimensions:

- Dimensions:**
 - Overall height: 16.0'
 - Height of the upper panel: 8.0'
 - Width of the door opening: 6.0' O.C. (Overall Clear)
- Safety Signs:**
 - NOTICE:** NON POTABLE WATER NOT FOR CONSUMPTION OR COOKING USE
 - AVISO:** AGUA NO POTABLE NO APTA PARA BEBER NI COCINAR
 - DANGER:** NO SWIMMING
 - PELIGRO:** PROHIBIDO NADAR

CATED AT ALL ENTRANCE LOCATIONS

[illegible]

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MATADOR PRODUCTION COMPANY
EDDY COUNTY, NEW MEXICO

LEATHERNECK RECYCLING CONTAINMENT FENCE DETAILS



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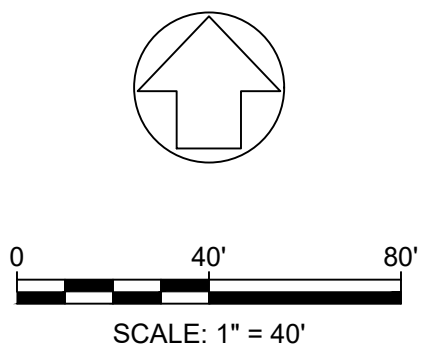
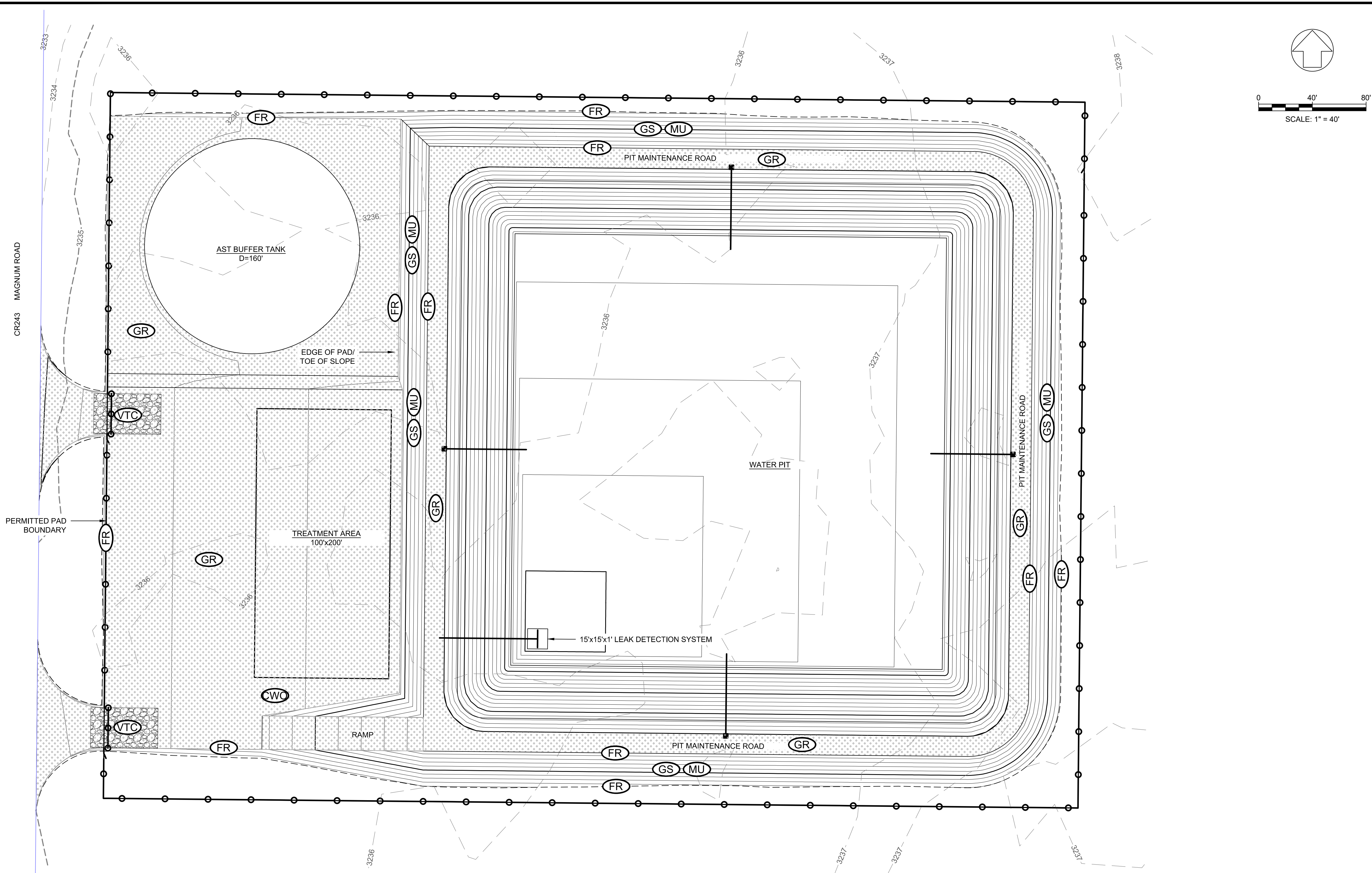
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Project No: 5E26816

Sheet:

C109

0 10 01 00 011 0 15



PERMANENT BMPs

- GS GRASS SEEDING
- MU MULCH
- GR GRAVEL

TEMPORARY BMPs

- FR 10" DIA WADDLE/FIBER ROLL
- VTC VEHICLE TRACKING CONTROL
- CWO CONCRETE WASHOUT

NOTES:

- SHEETS C110 AND C111 EROSION AND SEDIMENT CONTROL MAY BE IMPLEMENTED BY THE OWNER, AT THE OWNER'S DISCRETION, SHOULD EROSIONAL ISSUES OCCUR DURING CONSTRUCTION AND OPERATION ACTIVITIES.
- ALL FACILITY INFORMATION CAN BE FOUND ON SHEETS C101 AND C102.
- ALL SLOPES SHALL HAVE WADDLES PLACED AT TOP OF SLOPE AND TOE OF SLOPE PARALLEL TO CONTOURS.
- CONTRACTOR SHALL ADD GRASS SEED AND MULCH TO ALL UNPAVED/UNGRAVELED/UNLINED SURFACES THROUGHOUT THE SITE AT END OF CONSTRUCTION.
- ALL SOIL STOCKPILES ARE TO HAVE WADDLE/FIBER ROLL PLACED AROUND THEM.

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MATADOR PRODUCTION COMPANY

EDDY COUNTY, NEW MEXICO

LEATHERNECK RECYCLING CONTAINMENT
EROSION AND SEDIMENTATION CONTROL
PLAN

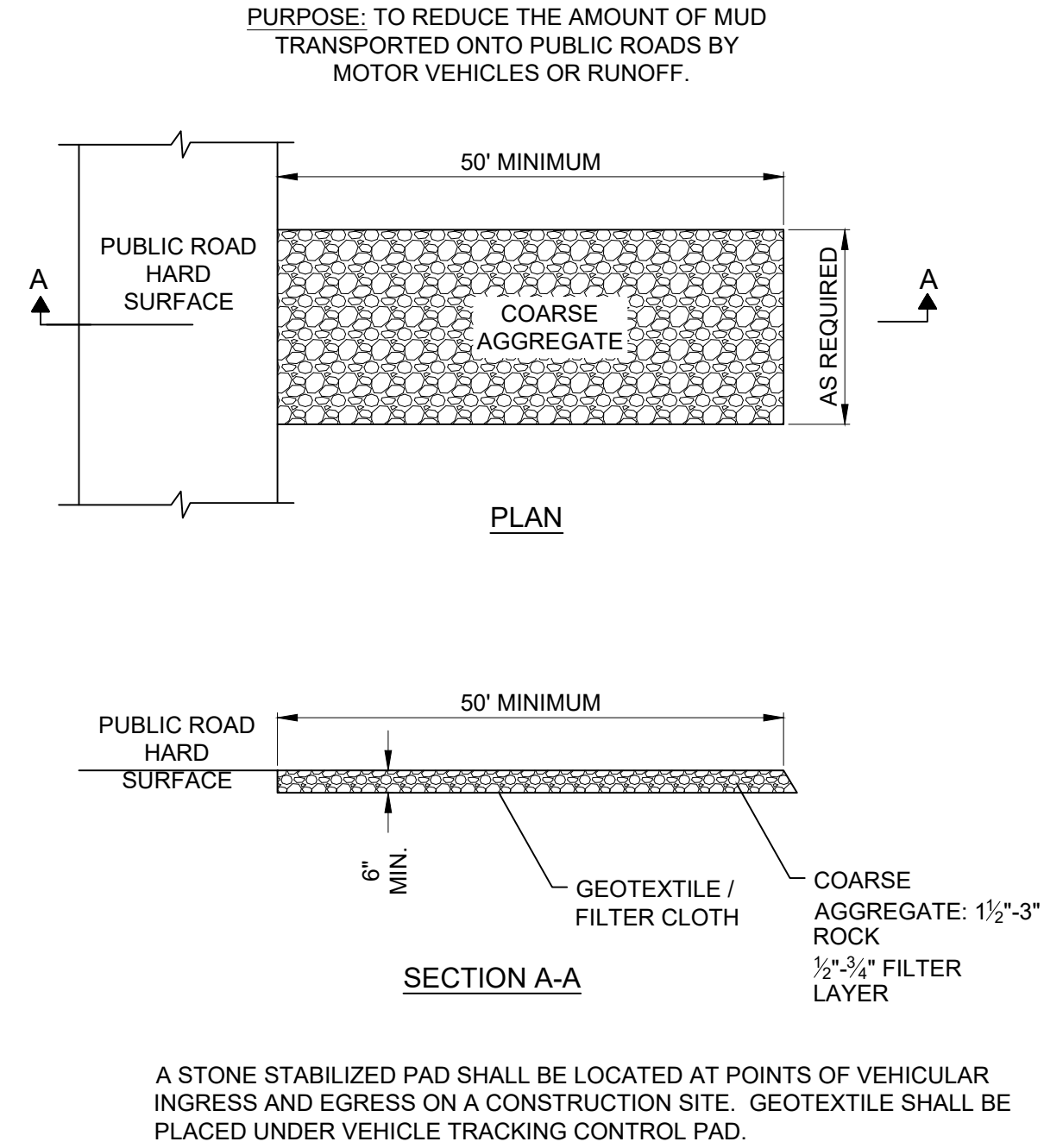
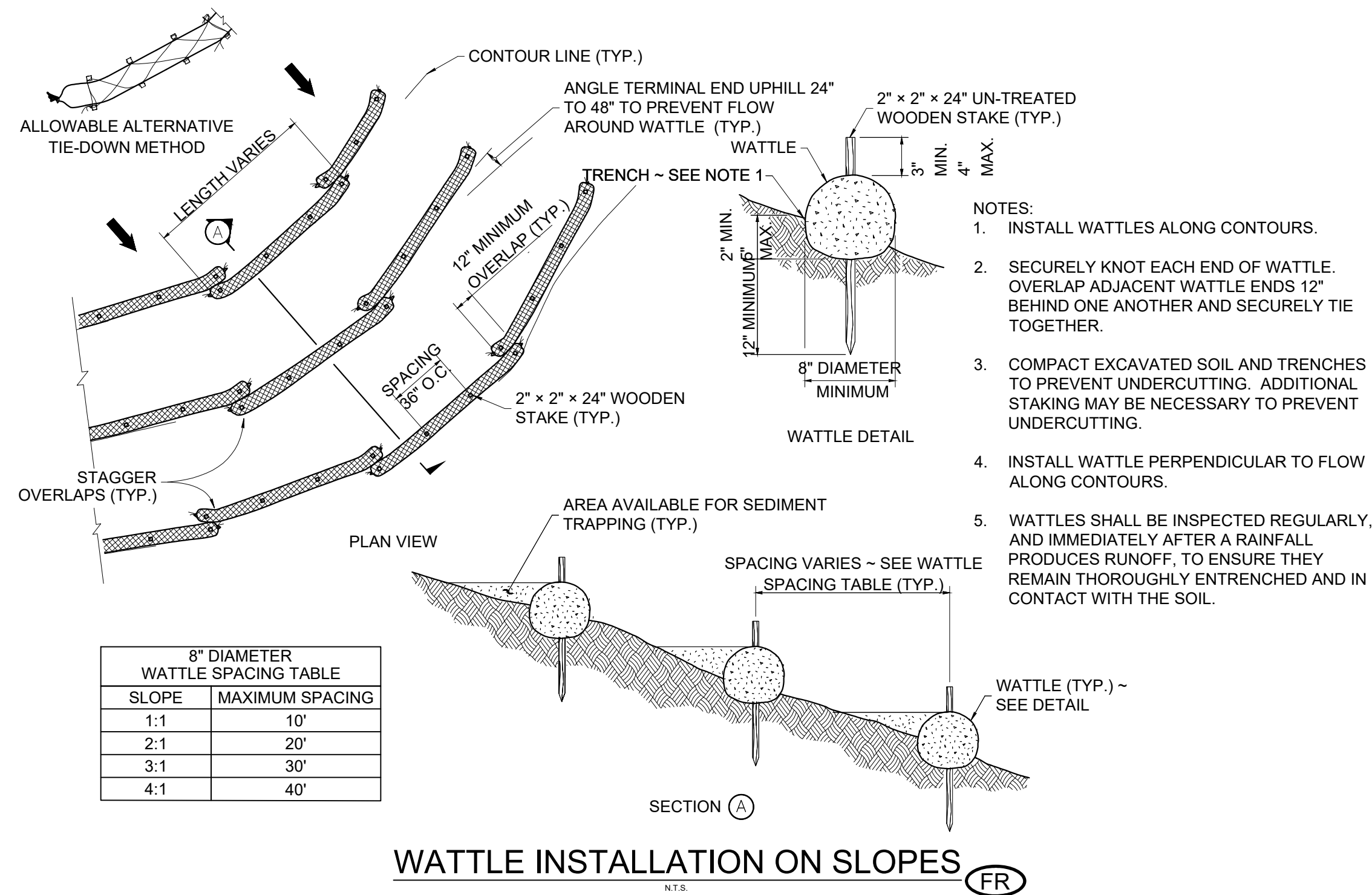


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Vert:
Project No: 5E26816
Sheet:
C110





GENERAL NOTES

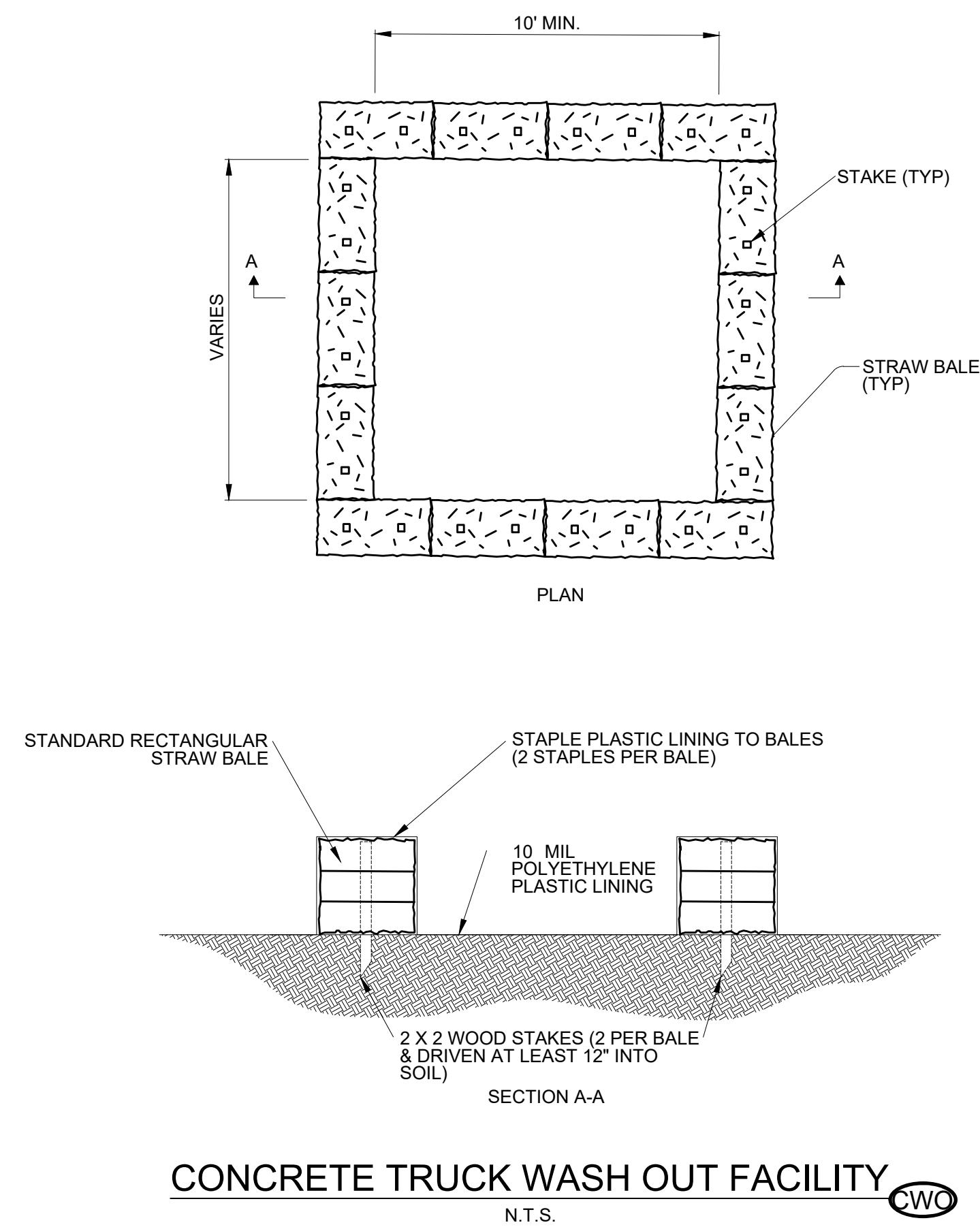
1. SHEETS C110 AND C111 EROSION AND SEDIMENT CONTROL MAY BE IMPLEMENTED BY THE OWNER, AT THE OWNER'S DISCRETION, SHOULD EROSIONAL ISSUES OCCUR DURING CONSTRUCTION AND OPERATION ACTIVITIES.
2. SEE SHEET C110 FOR SITE SPECIFIC APPLICATION OF EROSION CONTROL.
3. EROSION AND SEDIMENTATION CONTROL PLAN WILL COMPLY WITH OWNER'S EXISTING ASSET SWPPP.
4. THE CONTRACTOR SHALL SET, LOCATE, AND MAINTAIN EROSION CONTROL MEASURES PER THE EROSION CONTROL PLAN, AND THE OWNER'S EXISTING ASSET STORMWATER POLLUTION PROTECTION PLAN. (SWPPP)
5. EROSION CONTROL MEASURES SHALL BE IMPLEMENTED AND SHALL BE KEPT IN PLACE UNTIL EROSION AND SEDIMENTATION POTENTIAL IS MITIGATED. REMOVAL OF SILT AND SEDIMENT IS REQUIRED PER SWPPP.
6. EROSION CONTROL DEVICES SHALL BE CHECKED AFTER EVERY STORM. REPAIRS OR REPLACEMENT TO THE EROSION CONTROL MEASURES SHALL BE MADE AS REQUIRED BY THE OWNERS PERMIT TO MAINTAIN PROPER PROTECTION.
7. SWPPP SHALL BE MODIFIED TO CONTROL EROSION AND SEDIMENT. TRANSPORT BY USING ANY MEANS SHOWN ON THIS PLAN OR IMPLEMENTING OTHER CONTROL MEASURES.
8. PERMANENT BEST MANAGEMENT PRACTICES (BMP'S) (I.E. SEEDED, MULCH) MUST BE IMPLEMENTED WITHIN 14 DAYS OF LAST CONSTRUCTION ACTIVITY IN THE AREA, AS REQUIRED PER THE SWPPP.
9. THE CONTRACTOR/OWNER SHALL UPDATE OR MODIFY THIS PLAN AS NEEDED TO COMPLY WITH THE APPLICABLE POLLUTANT DISCHARGE ELIMINATION SYSTEM REQUIREMENTS.
10. CONTRACTOR SHALL BE REQUIRED TO HAUL EXCESS CONCRETE AND WASHOUT OFF-SITE TO AN APPROVED/PERMITTED DISPOSAL SITE.
11. CONTRACTOR SHALL SPREAD STOCKPILED TOPSOIL BEFORE PLACING GRASS SEED AT CUT AND FILL LOCATIONS USING OWNER APPROVED MIX.
12. CONTRACTOR SHALL PLACE MULCH IN CONJUNCTION WITH GRASS SEEDING.

PERMANENT BMPs

- (GS) GRASS SEEDING
- (MU) MULCH
- (RR) RIP RAP
- (RD) ROCK CHECK DAM
- (GR) GRAVEL

TEMPORARY BMPs

- (FR) 10" DIA WATTLE/FIBER ROLL
- (CWO) CONCRETE WASHOUT
- (VTO) VEHICLE TRACKING CONTROL



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MATADOR PRODUCTION COMPANY EDDY COUNTY, NEW MEXICO

LEATHERNECK RECYCLING CONTAINMENT
EROSION AND SEDIMENTATION CONTROL
DETAILS

Professional Engineer
22047
4-4-2019

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