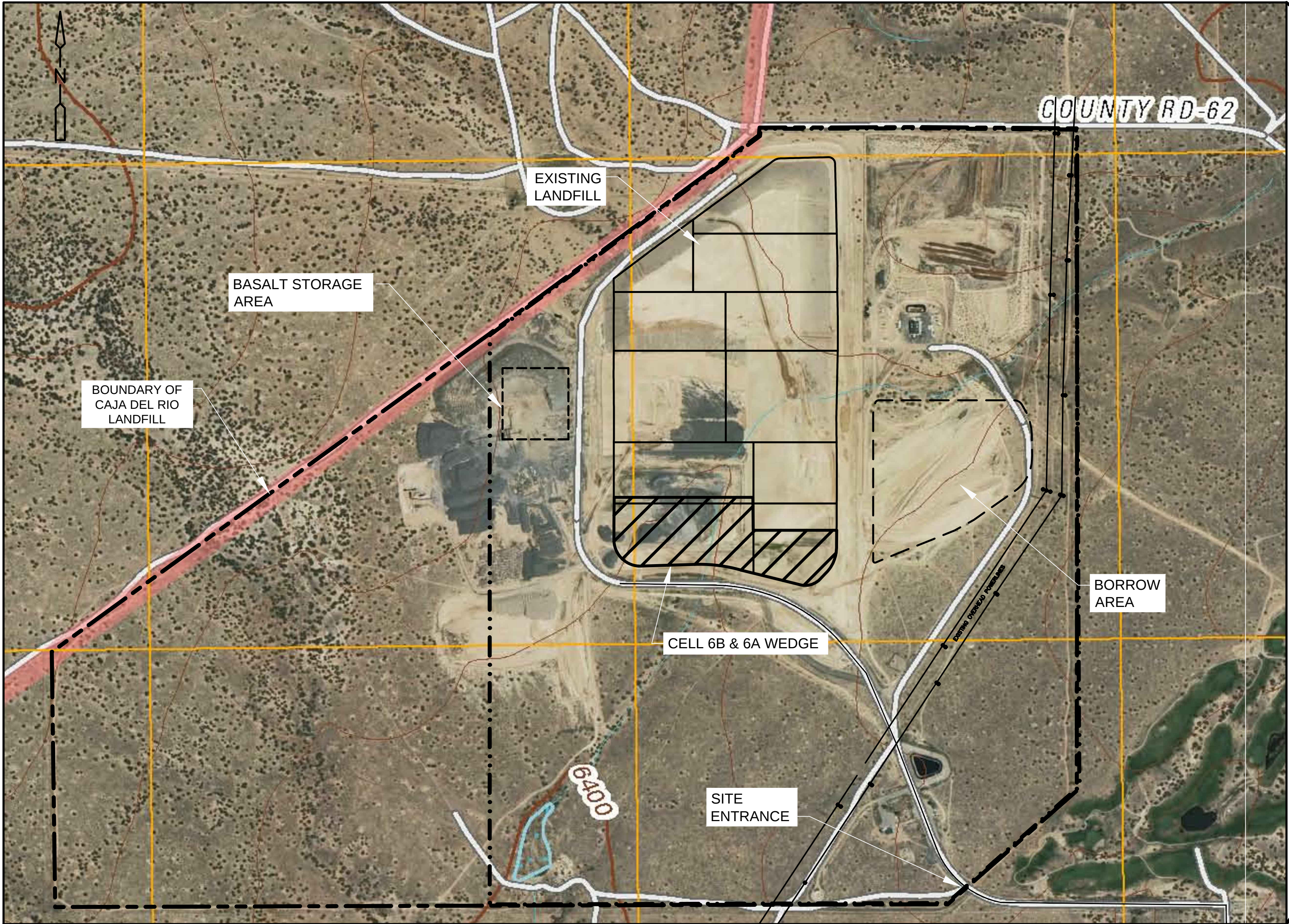
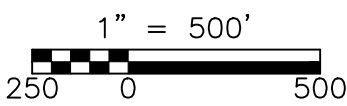


SANTA FE SOLID WASTE MANAGEMENT AGENCY
CAJA DEL RIO LANDFILL
CELLS 6B & 6A WEDGE
LINER SYSTEM CONSTRUCTION

MAY 2019

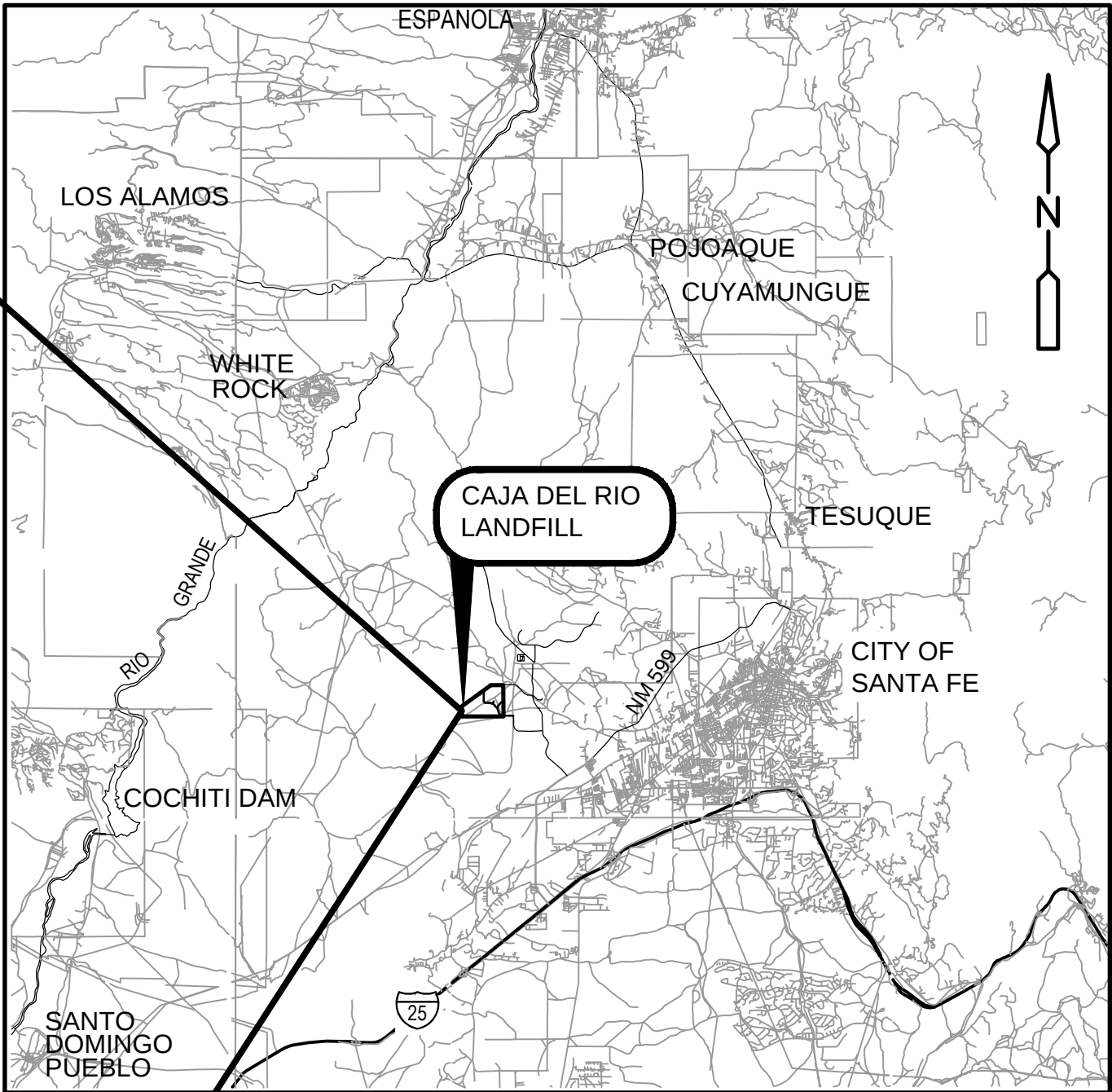


SITE LOCATION MAP



**CDM
Smith**

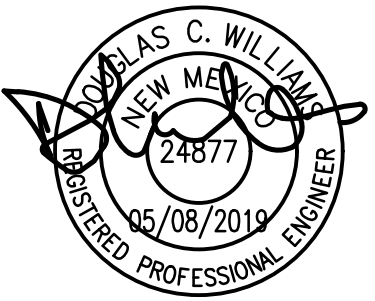
6001 INDIAN SCHOOL RD. NE, SUITE 310
ALBUQUERQUE, NM 87110
Tel: (505) 243-3200



VICINITY MAP
NO SCALE

SHEET INDEX

<u>SHEET</u>	<u>TITLE</u>
—	COVER SHEET, SITE LOCATION MAP, SHEET INDEX
G-1	GENERAL AND CIVIL NOTES, ABBREVIATIONS
G-2	OVERALL SITE PLAN
G-3	CELLS 6B & 6A WEDGE EXISTING CONDITIONS PLAN
C-1	CELLS 6B & 6A WEDGE LINER AND LEACHATE COLLECTION SYSTEM PLAN
C-2	CELL 6B LINER AND LEACHATE COLLECTION SYSTEM PLAN
C-3	CELL 6A WEDGE LINER AND LEACHATE COLLECTION SYSTEM PLAN
CD-1	LINER SYSTEM DETAILS
CD-2	LEACHATE COLLECTION SYSTEM DETAILS



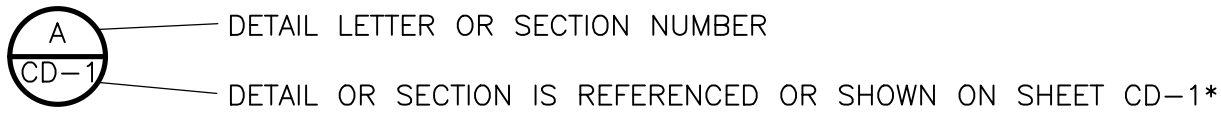
XREFS: [CDMS_2234, DOW_NINSTAMP] Images: []
Last saved by: DOAKEC Time: 5/8/2019 9:13:27 AM
pw:\\pw.cdm-smith.com:PW_PL1\10679\234307\04 Design Services NM_90%01 General\10 CAD\G001NFNT.dwg
©2019 CDM SMITH ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THESE DOCUMENTS AND DESIGNS PROVIDED BY PROFESSIONAL SERVICE, INCORPORATED HEREIN, ARE THE PROPERTY OF CDM SMITH AND ARE NOT TO BE USED, IN WHOLE OR PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CDM SMITH.

GENERAL NOTES:

1. GENERAL NOTES AND ABBREVIATIONS APPLY TO ALL SHEETS, EXCEPT WHERE MORE SPECIFIC REQUIREMENTS ARE PROVIDED. SEE INDIVIDUAL DRAWINGS FOR ADDITIONAL ABBREVIATIONS, SYMBOLS, LEGENDS, NOTES, DETAILS AND OTHER REQUIREMENTS. IN ALL CASES THE INFORMATION SHOWN ON INDIVIDUAL DRAWINGS SHALL GOVERN OVER ANY GENERAL INFORMATION. NOT ALL SPECIFIED ITEMS AND/OR STANDARD DETAILS SHOWN MAY BE APPLICABLE TO THIS PROJECT.
2. UNLESS NOTED OTHERWISE, ALL WORK SHOWN IN THESE DOCUMENTS IS NEW AND TO BE PERFORMED UNDER THIS CONTRACT. ON SHEETS WHERE IT IS INDICATED THAT EXISTING IS TO BE MODIFIED AND/OR ADDED TO, WORK UNDER THIS CONTRACT IS NORMALLY SHOWN IN HEAVY LINES AND CALLOUTS ARE BOXED.
3. WRITTEN DISTANCES AND ELEVATIONS SHALL GOVERN OVER SCALED DISTANCES AND ELEVATIONS. PIPE LENGTHS SHOWN IN PROFILE OR PLAN ARE APPROXIMATE AND MAY VARY UP TO 5 PERCENT OF INDICATED LENGTH.
4. THE LOCATION OF ALL EXISTING UTILITIES, STRUCTURES, PROPERTY LINES, SUBSURFACE SOIL OR ROCK CONDITIONS ARE BASED ON THE BEST AVAILABLE INFORMATION AND ARE NOT WARRANTED TO BE EXACT, NOR IS IT WARRANTED THAT ALL ARE SHOWN. IN PARTICULAR ALL UNDERGROUND GAS LINES, UNDERGROUND AND/OR OVERHEAD ELECTRICAL AND TELEPHONE CABLES, AND POLES ARE NOT WARRANTED TO BE SHOWN.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATIONS OF ALL PROPERTY LINES, EASEMENTS, EXISTING UTILITIES AND OTHER EXISTING ITEMS. IT IS THE INTENT TO SHOW ALL PROPERTY LINES, EASEMENTS, UTILITIES, AND STRUCTURES. HOWEVER, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SATISFY THEMSELVES THAT ALL EXISTING UTILITIES AND OTHER ITEMS, WHETHER SHOWN ON THESE DRAWINGS OR NOT, HAVE BEEN PROPERLY LOCATED.

5.1 PRIOR TO THE START OF ANY CONSTRUCTION, THE CONTRACTOR SHALL CONTACT ALL UTILITIES OR OTHER OWNERS AND IF NECESSARY, MAKE EXPLORATORY EXCAVATIONS AND INQUIRIES TO DETERMINE THE EXACT LOCATION AND STATUS OF OPERATIONS OF UTILITIES AND STRUCTURES, AND THE LIMITS AND CHARACTER OF SOIL AND/OR ROCK.

5.2 IF ANY ITEM REQUIRES RELOCATION AND/OR REQUIRES BEING TAKEN TEMPORARILY OUT OF SERVICE, THE CONTRACTOR SHALL NOTIFY THE OWNER OF THE ITEM WELL IN ADVANCE AND SHALL BE RESPONSIBLE FOR MAKING ALL ARRANGEMENTS WITH THE OWNER OF THE ITEM FOR TIMELY RELOCATION OF THE ITEM.
6. THE CONTRACTOR SHALL CONTACT BURIED CABLE LOCATION SERVICE AT 1-800-321-2537 FOR FIELD LOCATION OF UTILITIES AT LEAST 48 HOURS PRIOR TO THE START OF WORK.
7. THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THESE REQUIREMENTS SHALL APPLY CONTINUOUSLY AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE CONSULTING ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE CONTRACTORS PERFORMANCE OF WORK ON THIS PROJECT.
8. FINAL LOCATIONS OF ALL FACILITIES SHALL BE RECORDED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER IN ACCORDANCE WITH THE CONTRACT SPECIFICATIONS.
9. CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING IMPROVEMENTS WHICH ARE TO REMAIN IN PLACE FROM DAMAGE. ALL IMPROVEMENTS WHICH ARE DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE EXPEDITIOUSLY REPAIRED OR RECONSTRUCTED TO THE ENGINEER'S SATISFACTION AT THE CONTRACTOR'S EXPENSE WITHOUT ADDITIONAL COMPENSATION.
10. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL PERMITS NECESSARY FOR THIS PROJECT PRIOR TO COMMENCING CONSTRUCTION.
11. THE TERM "ACCEPTABLE TO ENGINEER" SHALL MEAN WRITTEN ACCEPTANCE BY ENGINEER AND IS TO BE RECEIVED BY THE CONTRACTOR BEFORE WORK IS STARTED.
12. ANY DEVIATIONS FROM CONTRACT DOCUMENTS, INCLUDING DRAWINGS AND/OR SPECIFICATIONS, MUST BE ACCEPTED BY THE ENGINEER, IN WRITING, PRIOR TO THE WORK BEING DONE. ANY DEVIATIONS PERFORMED WITHOUT THE ENGINEER'S ACCEPTANCE WILL NOT BE PAID FOR, AND MAY BE REQUIRED TO BE REDONE AT THE CONTRACTOR'S EXPENSE.
13. EXCEPT AS MODIFIED BY THE CONTRACT DOCUMENTS, ALL WORK SHALL BE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS (DRAWINGS, SPECIFICATIONS, ADDENDA, CHANGE ORDERS, APPROVED SUBMITTALS, ETC.) THE CONTRACTOR SHALL HAVE THE LATEST UPDATED VERSION OF THE ABOVE NAMED DOCUMENTS AT THE WORK SITE AT ALL TIMES.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE BY CONTRACTOR PERSONNEL WITH APPLICABLE CURRENT STATE REGULATIONS AND FEDERAL OSHA STANDARDS AND AS REQUIRED IN SECTION 107.8 OF THE NEW MEXICO STATE HIGHWAY AND TRANSPORTATION DEPT. STANDARD SPECIFICATIONS, 2014 EDITION.
15. THE ENGINEER IS NOT RESPONSIBLE FOR THE CONSTRUCTION METHODS OR TECHNIQUES, OR FOR THE EXECUTION OF THE WORK AS SHOWN ON THESE PLANS. THE OWNER AND ENGINEER SHALL NOT BE RESPONSIBLE FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTORS, OR OTHER PERSONS PERFORMING ANY OF THE WORK, OR FOR THE FAILURE OF ANY OF THE CONTRACTORS OR SUBCONTRACTORS TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
16. ALL CIVIL SHEETS USE THE FOLLOWING DETAIL AND SECTION CALLOUT CONVENTION:



* IF SECTION OR DETAIL IS DRAWN ON THE SAME SHEET WHERE IT IS CALLED OUT, THE SHEET NUMBER IS REPLACED WITH A HYPHEN.

17. ELEVATIONS, NORTHINGS, AND EASTINGS ARE BASED ON FIELD SURVEY DATA PERFORMED IN JANUARY 2019 BY PRECISION SURVEYS, INC.
18. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER THIS CONTRACT, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREIN, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE NEW MEXICO STATE HIGHWAY & TRANSPORTATION DEPARTMENT STANDARD SPECIFICATIONS (2014 EDITION) AND THE SUPPLEMENTAL TECHNICAL SPECIFICATIONS IN THE CONTRACT DOCUMENTS.
19. WORK UNDER THIS CONTRACT WILL BE PERFORMED AT AN OPERATING LANDFILL. CONTRACTOR SHALL COORDINATE ALL WORK WITH OWNER'S OPERATION STAFF.

CIVIL NOTES:

1. CONTRACTOR SHALL TAKE NECESSARY MEASURES TO ENSURE THE PRESERVATION OF SURVEY MONUMENTS. THE CONTRACTOR SHALL NOT DISTURB ANY SURFACE MONUMENTS WITHOUT THE CONSENT OF THE ENGINEER, AND SHALL NOTIFY THE ENGINEER AND BEAR THE EXPENSE OF REPLACING ANY MONUMENTS THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL ONLY BE DONE BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
2. ALL REFERENCES MADE HEREIN TO COMPACTION DENSITY OF SOIL REFER TO THE STANDARD PROCTOR TEST OR THE MODIFIED PROCTOR TEST – ASTM D-698 OR D-1557 RESPECTIVELY, AS NOTED.
3. THE CONTRACTOR IS RESPONSIBLE FOR TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH NMSH&TD SPECIFICATIONS AND THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES).
4. THE CONTRACTOR IS RESPONSIBLE FOR FILING A NOTICE OF INTENT (NOI) WITH THE EPA CONCERNING A TEMPORARY STORM WATER POLLUTION PREVENTION PLAN FOR CONSTRUCTION. UPON COMPLETION AND ACCEPTANCE OF ALL WORK, CONTRACTOR MUST FILE A NOTICE OF TERMINATION (NOT) WITH THE EPA.
5. ALL EXISTING DRAINAGE FEATURES SHALL BE PROPERLY PROTECTED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.
6. THE CONTRACTOR IS NOTIFIED TO THE POTENTIAL PRESENCE OF EXPLOSIVE METHANE GAS. THIS GAS IS GENERATED IN DISPOSAL CELLS THROUGH THE NATURAL DECOMPOSITION OF WASTE MATERIALS.
7. ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE CARRIED OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.
8. WATER IS AVAILABLE TO THE CONTRACTOR VIA THE FILL STAND LOCATED NORTH OF THE SCALE HOUSE. CONTRACTOR SHALL COORDINATE USE WITH OWNER.

TABLE 1
CAJA DEL RIO LANDFILL
SURVEY CONTROL COORDINATES
COUNTY OF SANTA FE, STATE OF NEW MEXICO
CONTROL POINT DATA

*NEW MEXICO STATE PLANE GRID COORDINATES CENTRAL ZONE (NAD 83)			**NEW MEXICO STATE PLANE COORDINATES MODIFIED GROUND			***LOCAL LANDFILL COORDINATE SYSTEM (GROUND)			DESCRIPTION
NAME	NORTHING	EASTING	NORTHING	EASTING	ELEVATION	NORTHING	EASTING	ELEVATION	
HV-1	1700981.22	1685773.98	1701667.00	1686453.63	6396.54	701672.14	686458.85	6396.54	REBAR W/ALUMINUM CAP
HV-3	1700989.11	1689575.17	1701674.90	1690256.35	6436.52	701679.99	690261.57	6436.52	REBAR W/ALUMINUM CAP
HV-6	1702802.38	1689574.10	1703488.89	1690255.28	6460.55	703493.99	690260.53	6460.55	REBAR W/ALUMINUM CAP
PP-61	1700983.17	1682800.40	1701668.96	1683478.86	6442.37	701674.13	683484.09	6442.37	REBAR W/ALUMINUM CAP
CP62	1701004.81	1686458.32	1701690.60	1687138.25	6395.37	701695.73	687143.47	6395.37	REBAR W/ALUMINUM CAP
CP200	1705303.83	1688490.19	1705991.36	1689170.94	6482.38	705996.45	689176.23	6482.38	NO. 4 REBAR
CP210	1703838.04	1686309.81	1704524.98	1686989.68	6426.85	704530.10	686994.96	6426.85	REBAR W/ALUMINUM CAP
CP221	1704762.37	1686340.91	1705449.68	1687020.79	6431.28	705454.82	687026.07	6431.28	REBAR W/ALUMINUM CAP
CP224	1706245.07	1689678.37	1706932.98	1690359.60	6481.87	706938.07	690364.89	6481.87	REBAR W/ALUMINUM CAP
CP225	1703500.80	1689678.74	1704187.60	1690359.97	6457.70	704192.68	690365.22	6457.70	REBAR W/ALUMINUM CAP
CP227	1704834.63	1685696.37	1705521.97	1686376.00	6440.06	705527.09	686381.27	6440.06	REBAR W/ALUMINUM CAP
CP229	1700977.26	1685698.56	1701663.04	1686378.19	6398.86	701668.18	686383.42	6398.86	REBAR W/ALUMINUM CAP
CP230	1701098.42	1688937.29	1701784.25	1689618.22	6447.02	701789.35	689623.44	6447.02	REBAR W/ALUMINUM CAP
CP231	1702628.45	1688206.49	1703314.90	1688887.12	6441.69	703320.00	688892.36	6441.69	X IN CONCRETE
CP232	1702682.67	1688150.72	1703369.14	1688831.34	6442.05	703374.26	688836.58	6442.05	REBAR W/ALUMINUM CAP
CP235	1706215.36	1687594.20	1706903.25	1688274.58	6433.21	706908.37	688279.88	6433.21	REBAR W/ALUMINUM CAP

*NEW MEXICO STATE PLANE COORDINATES, COMBINED SCALE FACTOR (GRID TO GROUND) = 1.0040317 (@ 0,0).
**NM STATE PLANE MODIFIED GROUND TO LOCAL LANDFILL COORDINATES TRANSLATION N=-999,994.88, E=-999,994.75, ROTATION= 00° 00' 00"
***LOCAL LANDFILL COORDINATE SYSTEM (GROUND) TO BE USED FOR ALL LANDFILL SURVEYS AND DESIGN

ABBREVIATIONS

CMP	CORRUGATED METAL PIPE
COR	CORNER
DIA	DIAMETER
EXIST	EXISTING
FML	FLEXIBLE MEMBRANE LINER
GCL	GEOSYNTHETIC CLAY LINER
HDPE	HIGH-DENSITY POLYETHYLENE
INV	INVERT
LCS	LEACHATE COLLECTION SYSTEM
LF	LENGTH FEET
MIN	MINIMUM
MH	MANHOLE
MW	MONITORING WELL
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
PI	POINT OF INTERSECTION
PVC	POLYVINYL CHLORIDE
SDR	STANDARD DIAMETER RATIO
STA	STATION
TYP	TYPICAL

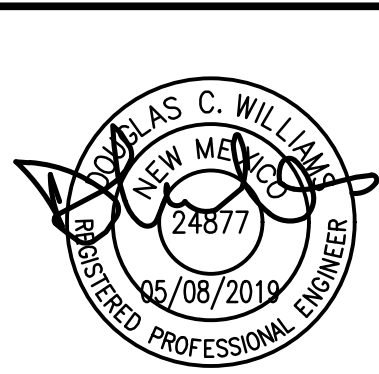
REV. NO.	DATE	DRWN	CHKD	REMARKS	

DESIGNED BY: D. WILLIAMS
DRAWN BY: E. DOAK
SHEET CHK'D BY: C. GABEL
CROSS CHK'D BY: R. FOWLE
APPROVED BY: D. WILLIAMS
DATE: MAY 2019



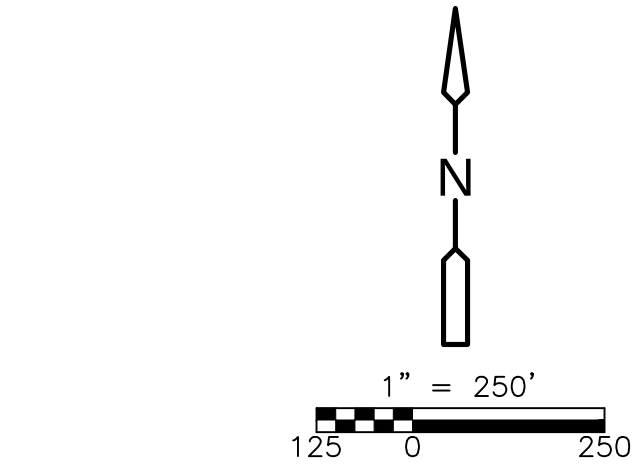
SANTA FE SOLID WASTE MANAGEMENT AGENCY
CAJA DEL RIO LANDFILL
CELLS 6B AND 6A WEDGE
LINER SYSTEM CONSTRUCTION

GENERAL AND CIVIL NOTES
ABBREVIATIONS



PROJECT NO. 10679-234307
FILE NAME: G001NFNT.DWG
SHEET NO.
G-1

XREFs: [CEP001ST, CEP000ST, CMS-2234, CWP001ST, CEP002ST, DCW_NMSTAMP] Images: []
Last saved by: DOAREC Time: 5/8/2019 9:16:20 AM
pw\\lpw.cdm-smith.com:PW_PLN\10679-234307\04 Design Services NM_90%01 General\10 CAD\G002STPL.dwg
©2019 CDM SMITH ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THESE DOCUMENTS AND DESIGNS PROVIDED BY PROFESSIONAL SERVICE, INCORPORATED HEREIN, ARE THE PROPERTY OF CDM SMITH AND ARE NOT TO BE USED, IN WHOLE OR PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CDM SMITH.



- LEGEND**
- SECTION/PROPERTY LINE
 - 2' CONTOURS
 - UNPAVED ROAD
 - PAVED ROAD
 - FENCING
 - PERMIT BOUNDARY
 - CELL BOUNDARY
 - LIMITS OF WASTE
 - LANDFILL BOUNDARY
 - EXISTING GROUNDWATER MONITORING WELL
 - EXISTING LANDFILL GAS EXTRACTION WELL
 - SURVEY CONTROL POINT
 - SURVEY GRID

NOTE:
1. EXISTING TOPOGRAPHY IS BASED ON DECEMBER 2016 AND JULY 2018 PHOTOGRAMMETRY PROVIDED BY VOLO PERVIDI, LLC AND DATA FROM FIELD SURVEY PERFORMED IN JANUARY 2019 BY PRECISION SURVEYS, INC.

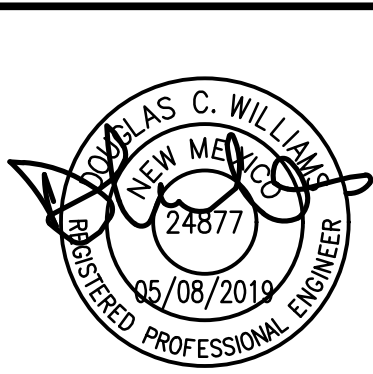
REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: D. WILLIAMS
DRAWN BY: E. DOAK
SHEET CHK'D BY: C. GABEL
CROSS CHK'D BY: R. FOWLE
APPROVED BY: D. WILLIAMS
DATE: MAY 2019



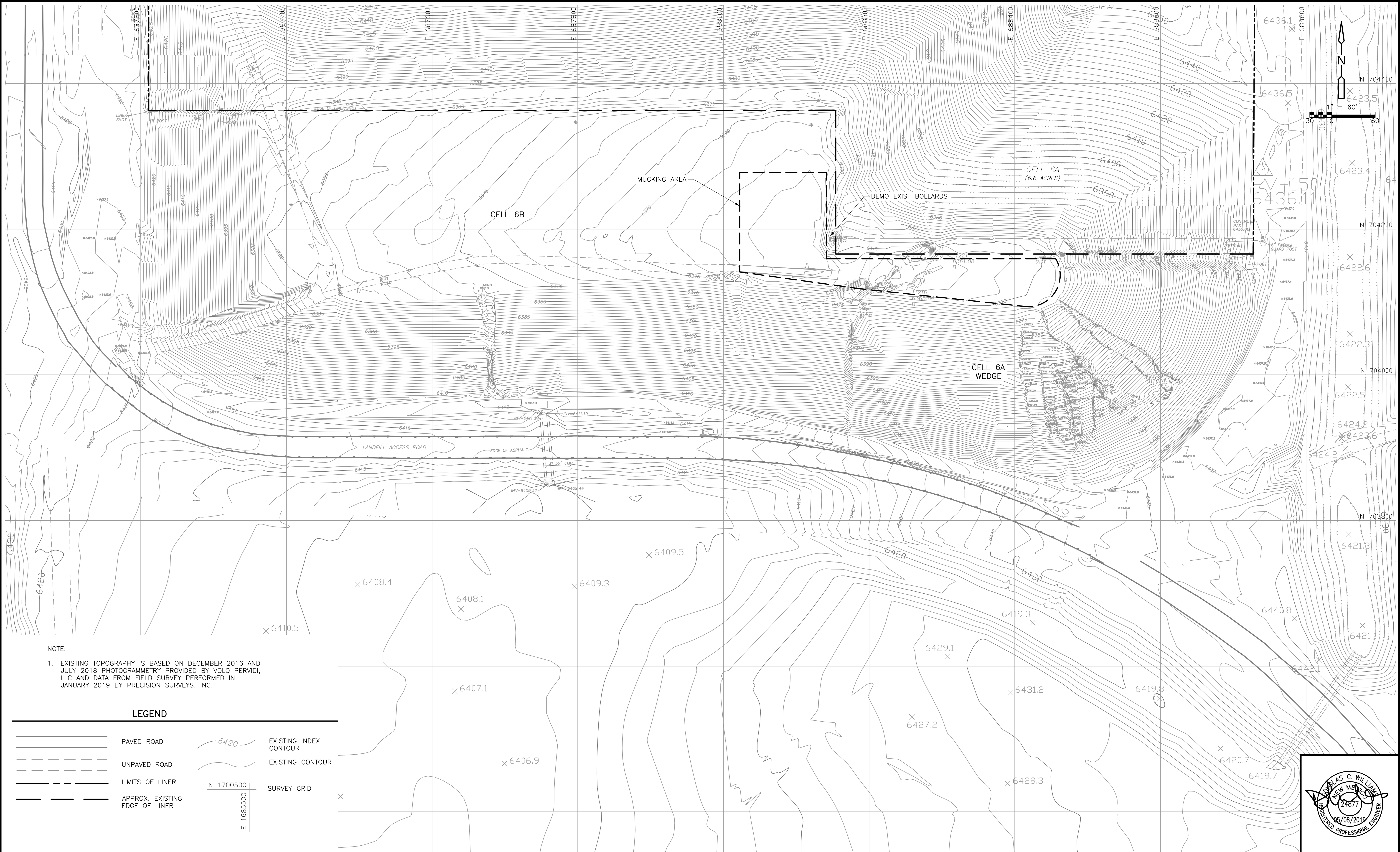
SANTA FE SOLID WASTE MANAGEMENT AGENCY
CAJA DEL RIO LANDFILL
CELLS 6B AND 6A WEDGE
LINER SYSTEM CONSTRUCTION

OVERALL SITE PLAN



PROJECT NO. 10679-234307
FILE NAME: G002STPL.DWG
SHEET NO.
G-2

XREFS: [CEP001ST, CEP000ST, CMS-2234, CWP001ST, CAJA_COORD-GRID, CEP002ST, DCW_NWSTAMP] Images: []
Last saved by: DOAREC Time: 5/9/2019 8:40:50 AM
pw\\jpw.cdm-smith.com:PW_PLN\10679\234307\04 Design Services NM_90%01 General\10 CAD\G003STPL.dwg
©2019 CDM SMITH ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THESE DOCUMENTS AND DESIGNS PROVIDED BY PROFESSIONAL SERVICE, INCORPORATED HEREIN, ARE THE PROPERTY OF CDM SMITH AND ARE NOT TO BE USED, IN WHOLE OR PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CDM SMITH.



- NOTE:
1. EXISTING TOPOGRAPHY IS BASED ON DECEMBER 2016 AND JULY 2018 PHOTOGRAMMETRY PROVIDED BY VOLO PERVIDI, LLC AND DATA FROM FIELD SURVEY PERFORMED IN JANUARY 2019 BY PRECISION SURVEYS, INC.

LEGEND

	PAVED ROAD		EXISTING INDEX CONTOUR
	UNPAVED ROAD		EXISTING CONTOUR
	LIMITS OF LINER		SURVEY GRID
	APPROX. EXISTING EDGE OF LINER		

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: D. WILLIAMS
DRAWN BY: E. DOAK
SHEET CHK'D BY: C. GABEL
CROSS CHK'D BY: R. FOWLE
APPROVED BY: D. WILLIAMS
DATE: MAY 2019

CDM Smith
6001 Indian School Rd. NE, Suite 310
Albuquerque, NM 87110
Tel: (505) 243-3200

SANTA FE SOLID WASTE MANAGEMENT AGENCY
CAJA DEL RIO LANDFILL
CELLS 6B AND 6A WEDGE
LINER SYSTEM CONSTRUCTION

CELLS 6B & 6A WEDGE
EXISTING CONDITIONS PLAN

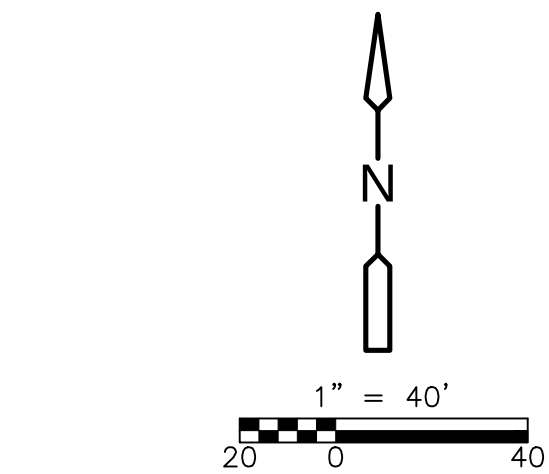
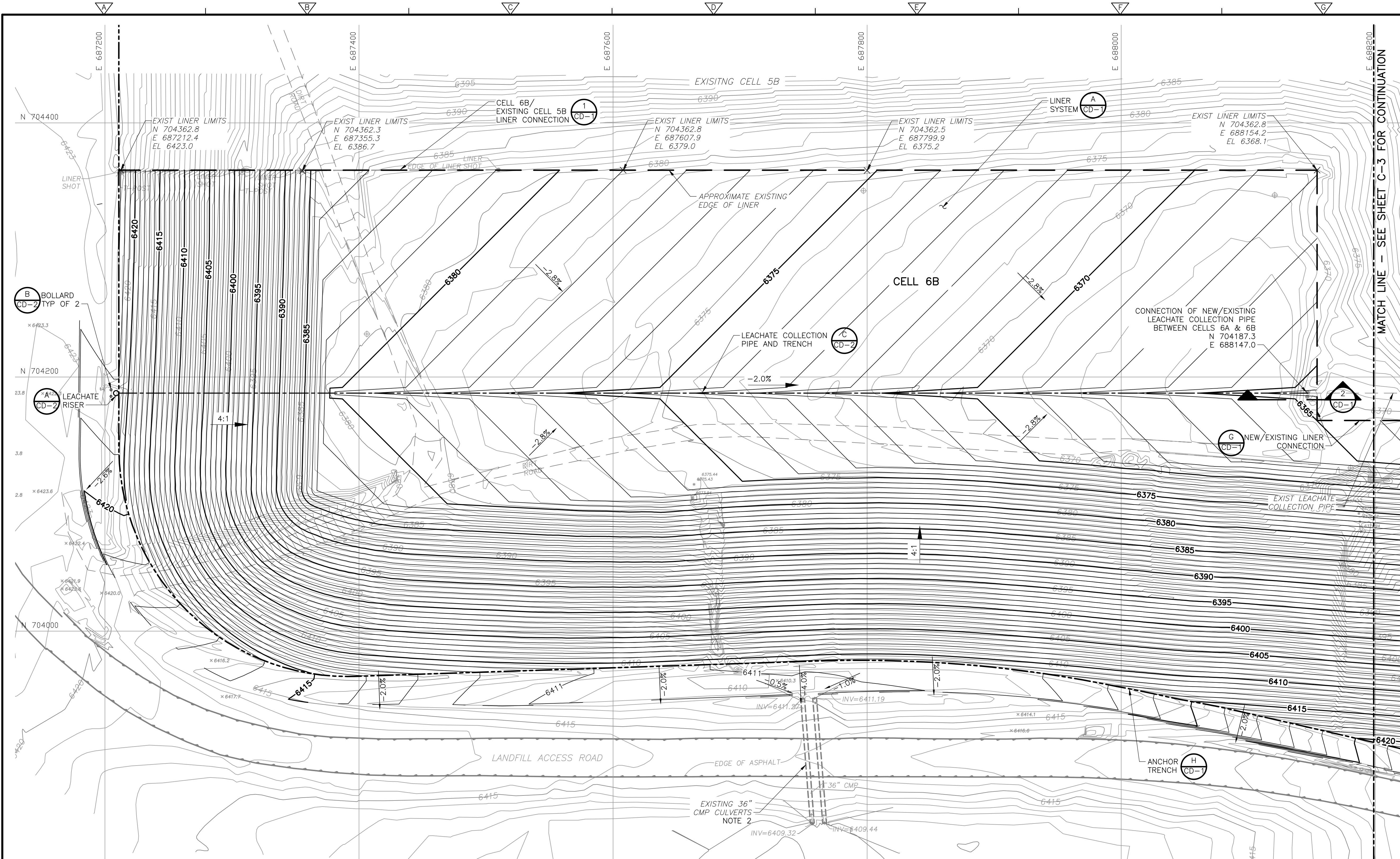


PROJECT NO. 10679-234307
FILE NAME: G003STPL.DWG
SHEET NO. G-3

XREFs: [CDMS_2234, CWP001ST, CWP001ST, CAJA_COORD-GRID, DCW_NMSTAMP] Images: []

XREFS: [CDMS.2234, CEP001ST, CAJA_COORD-GRID, DCW_NN1STAMP] Images: 
 Last saved by: DOMEK. Time: 5/8/2019 9:08:05 AM
 Downloaded from: www.cdmsmith.com:FW_Plt1/10679/234307/04 Design Services NM_90% 02 Civil\10 CADP\0002GRPL.dwg
 © 1999 CDM SMITH ALL RIGHTS RESERVED.

REUSE OF DOCUMENTS: THESE DOCUMENTS AND DESIGNS PROVIDED BY PROFESSIONAL SERVICE, INCORPORATED HEREIN, ARE THE PROPERTY OF CDM SMITH AND ARE NOT TO BE USED, IN WHOLE OR PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CDM SMITH.



LEGEND

- | | |
|---|---------------------------------------|
|  | APPROXIMATE EXISTING
EDGE OF LINER |
|  | 5' DESIGN BASE GRADE |
|  | 1' DESIGN BASE GRADE |
|  | 5' EXISTING CONTOUR |
|  | 1' EXISTING CONTOUR |
|  | LIMITS OF LINER |

N 1700500 | SURVEY GRID

NOTES:

1. GRADES REPRESENT TOP OF LINER SYSTEM SUBGRADE.
2. GRADING SHALL FACILITATE DRAINAGE TO EXISTING CULVERTS.
3. CRUSHED BASALT AND GLASS CULLET FOR 2' THICK DRAINAGE LAYER SHALL BE PROVIDED BY OWNER AND INSTALLED BY CONTRACTOR. CONTRACTOR SHALL BE RESPONSIBLE FOR HAULING, PLACING, AND SAMPLING AND TESTING DRAINAGE MATERIAL. GLASS CULLET SHALL BE MIXED WITH CRUSHED BASALT AT A RATIO OF 1:1 USING LOADER AND PLACED ON CELL FLOOR. GLASS CULLET SHALL NOT BE PLACED ON SIDE SLOPES.

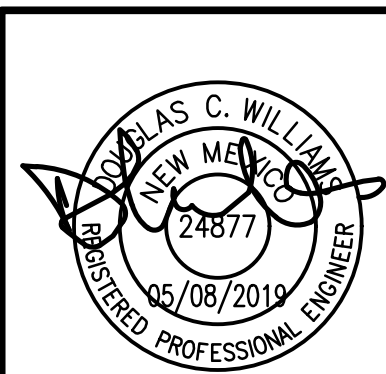
REV. NO.	DATE	DRWN	CHKD	REMARKS	

DESIGNED BY: _____ D. WILLIAMS
DRAWN BY: _____ E. DOAK
SHEET CHK'D BY: _____ C. GABEL
CROSS CHK'D BY: _____ R. FOWLIE
APPROVED BY: _____ D. WILLIAMS
DATE: _____ MAY 2019

**CDM
Smith**
6001 Indian School Rd. NE, Suite 310
Albuquerque, NM 87110
Tel: (505) 243-3200

SANTA FE SOLID WASTE MANAGEMENT AGENCY
CAJA DEL RIO LANDFILL
CELLS 6B AND 6A WEDGE
LINER SYSTEM CONSTRUCTION

CELL 6B
LINER AND LEACHATE COLLECTION SYSTEM
PLAN



PROJECT NO. 10679-234307
FILE NAME: C002GRPL.DWG

SHEET NO.

C-2

XREFs: [CDMS_2234_CEP001ST_CWP001ST_CAJA_COORD-GRID] Images: []
Last saved by: DOAEC Time: 5/7/2019 11:10:43 AM
pw\\jpw.cdmsmith.com:PW_PL\10679\234307\04 Design Services NM_90%02 Civil\10 CADD\CO03GRPL.dwg
©2019 CDM SMITH ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THESE DOCUMENTS AND DESIGNS PROVIDED BY PROFESSIONAL SERVICE, INCORPORATED HEREIN, ARE THE PROPERTY OF CDM SMITH AND ARE NOT TO BE USED, IN WHOLE OR PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CDM SMITH.

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: D. WILLIAMS
DRAWN BY: E. DOAK
SHEET CHK'D BY: C. GABEL
CROSS CHK'D BY: R. FOWLE
APPROVED BY: D. WILLIAMS
DATE: MAY 2019

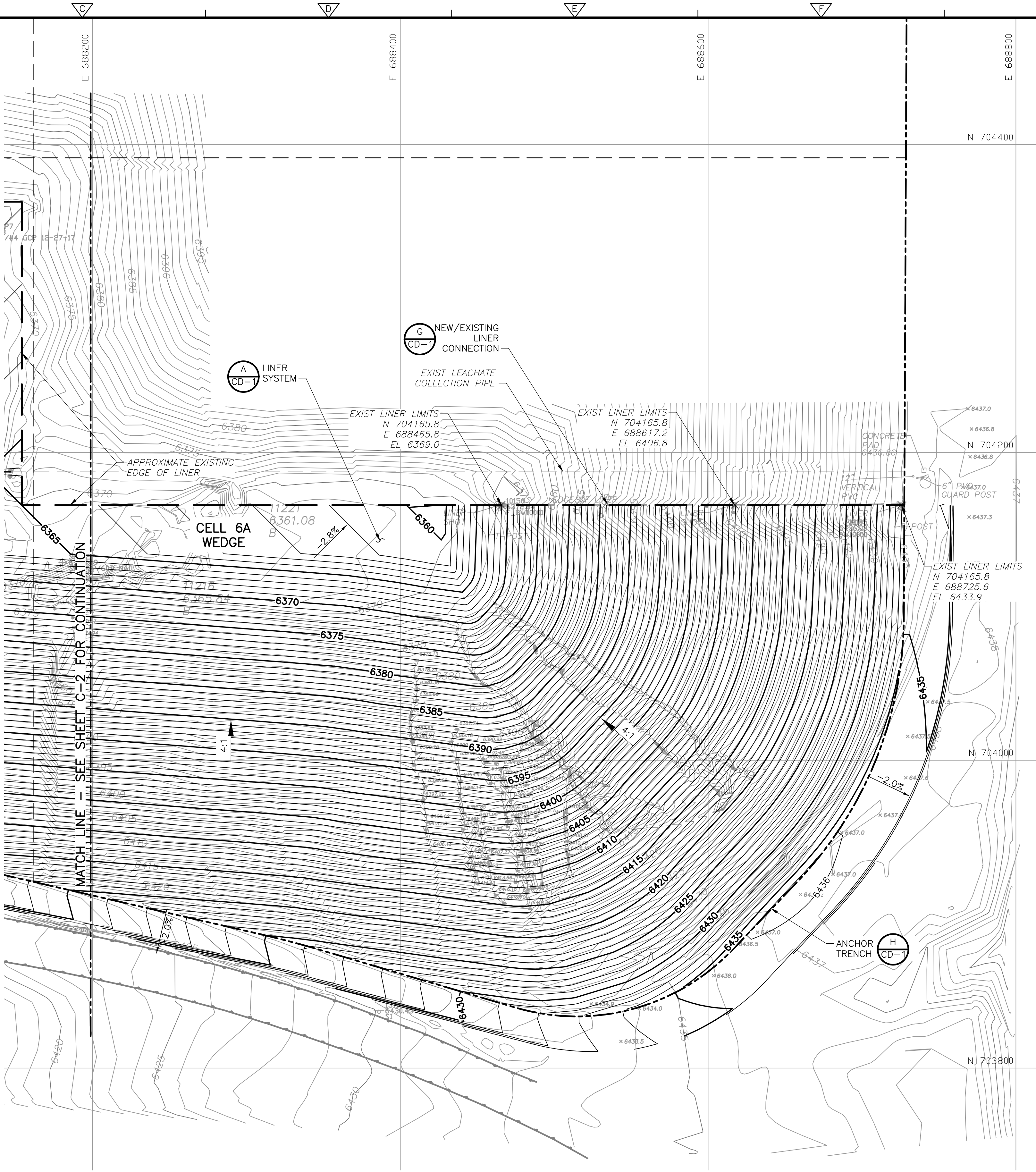
CDM Smith
6001 Indian School Rd. NE, Suite 310
Albuquerque, NM 87110
Tel: (505) 243-3200

SANTA FE SOLID WASTE MANAGEMENT AGENCY
CAJA DEL RIO LANDFILL
CELLS 6B AND 6A WEDGE
LINER SYSTEM CONSTRUCTION

CELL 6A WEDGE
LINER AND LEACHATE COLLECTION SYSTEM
PLAN



PROJECT NO. 10679-234307
FILE NAME: CO03GRPL.DWG
SHEET NO. C-3



LEGEND

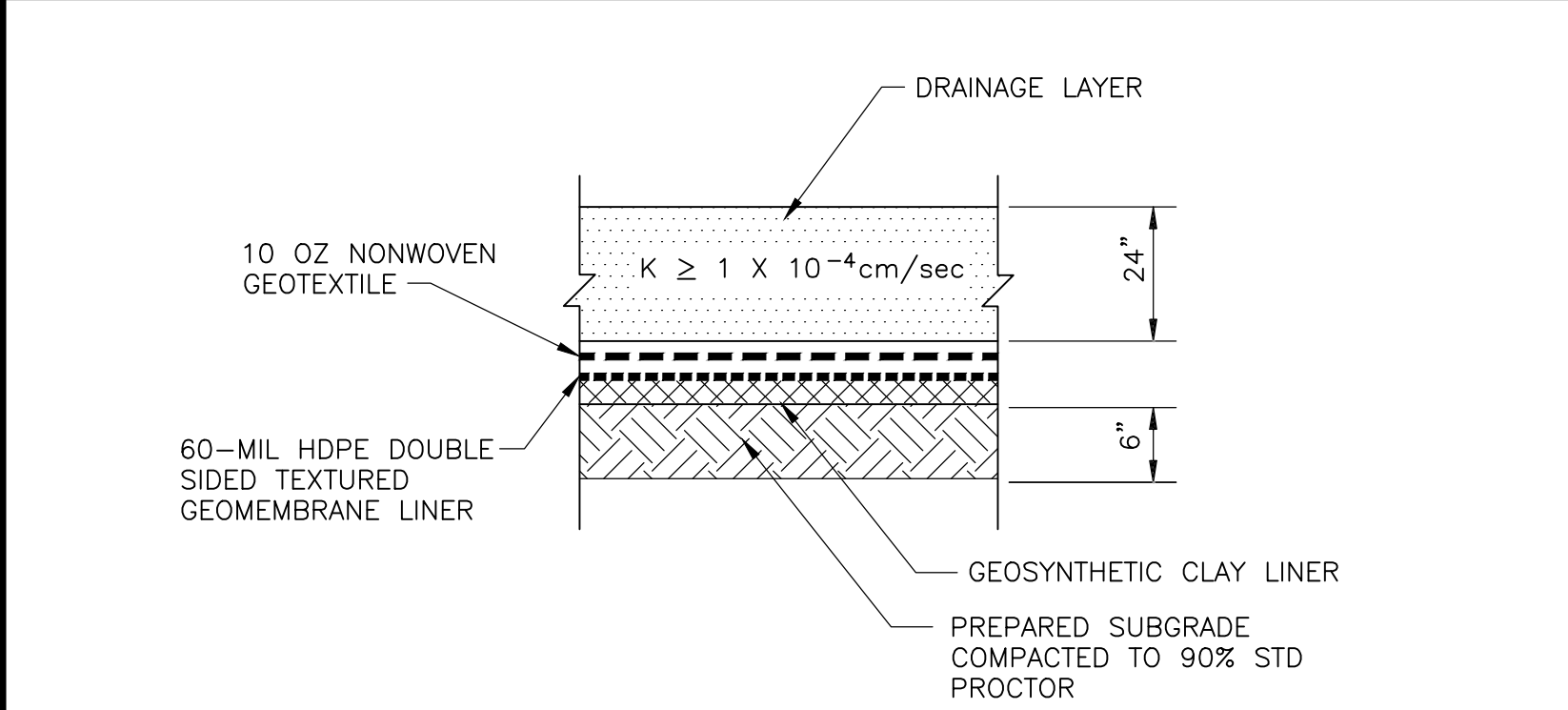
- APPROXIMATE EXISTING EDGE OF LINER
- 5' DESIGN BASE GRADE
- 1' DESIGN BASE GRADE
- 5' EXISTING CONTOUR
- 1' EXISTING CONTOUR
- LIMITS OF LINER

N 1700500
E 1685500

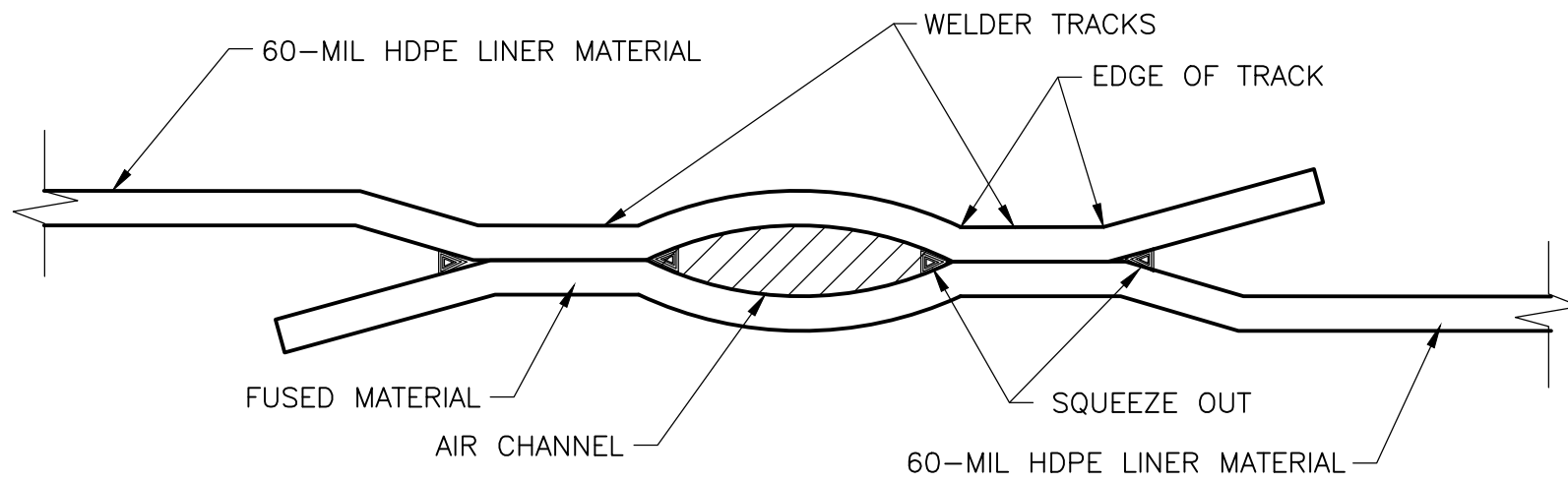
SURVEY GRID

- NOTES:
- GRADES REPRESENT TOP OF LINER SYSTEM SUBGRADE.
 - CRUSHED BASALT AND GLASS CULLET FOR 2' THICK DRAINAGE LAYER SHALL BE PROVIDED BY OWNER AND INSTALLED BY CONTRACTOR. CONTRACTOR SHALL BE RESPONSIBLE FOR HAULING, PLACING, AND SAMPLING AND TESTING DRAINAGE MATERIAL. GLASS CULLET SHALL BE MIXED WITH CRUSHED BASALT AT A RATIO OF 1:1 USING LOADER AND PLACED ON CELL FLOOR. GLASS CULLET SHALL NOT BE PLACED ON SIDE SLOPES.

XREFs: [CDMS_2234, DOW_NWSTAMP] Images: []
Last saved by: DOADEC Time: 5/8/2019 5:27:01 PM
pw\\lpw.cdm-smith.com:PW_PL1\10679\234307\04 Design Services NM_90%02 Civil\10 CADD\CD01LSDT.dwg
©2019 CDM SMITH ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THESE DOCUMENTS AND DESIGNS PROVIDED BY PROFESSIONAL SERVICE, INCORPORATED HEREIN, ARE THE PROPERTY OF CDM SMITH AND ARE NOT TO BE USED, IN WHOLE OR PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CDM SMITH.

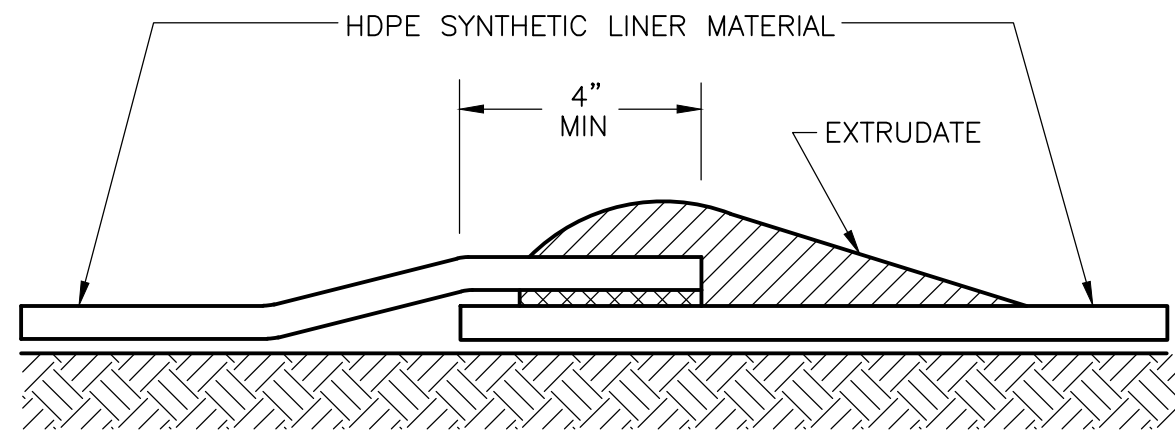


LINER SYSTEM
DETAIL A
NTS C-2

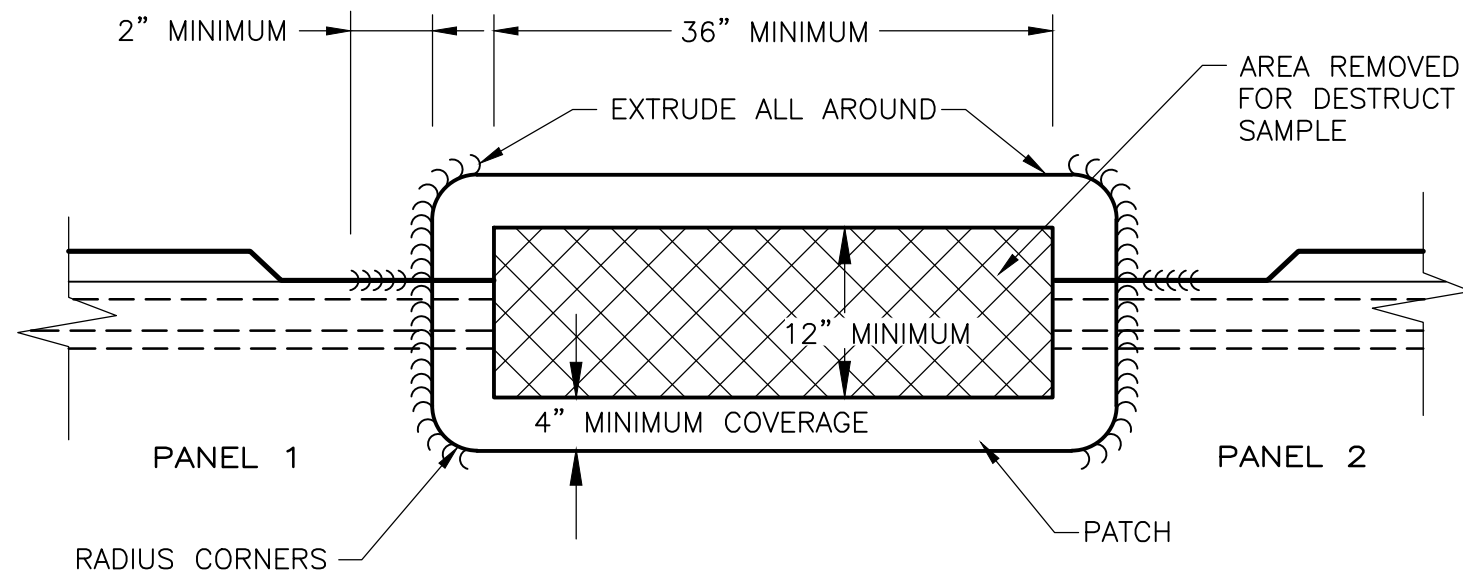


- NOTES:
- BOTH AREAS OF FUSED MATERIAL SHOULD BE VOID OF ANY SEAM LINES.
 - EDGE OF TRACKS NOT TO CUT THE LINER.
 - AIR CHANNEL SHOULD BE CLEAR.
 - BOTH WELDER TRACKS SHALL BE EQUAL WIDTHS.

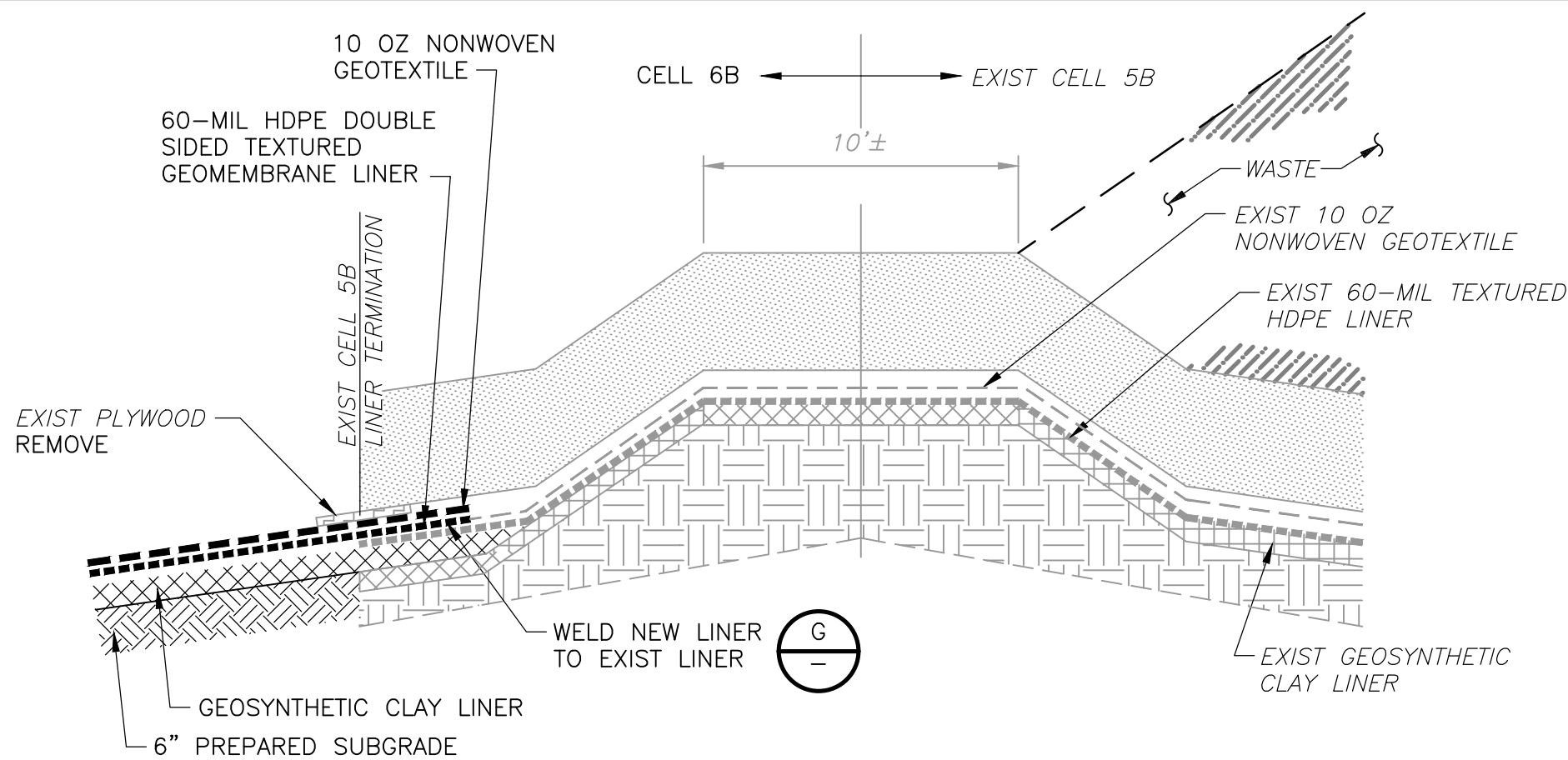
TYPICAL FUSION WELD
DETAIL B
NTS -



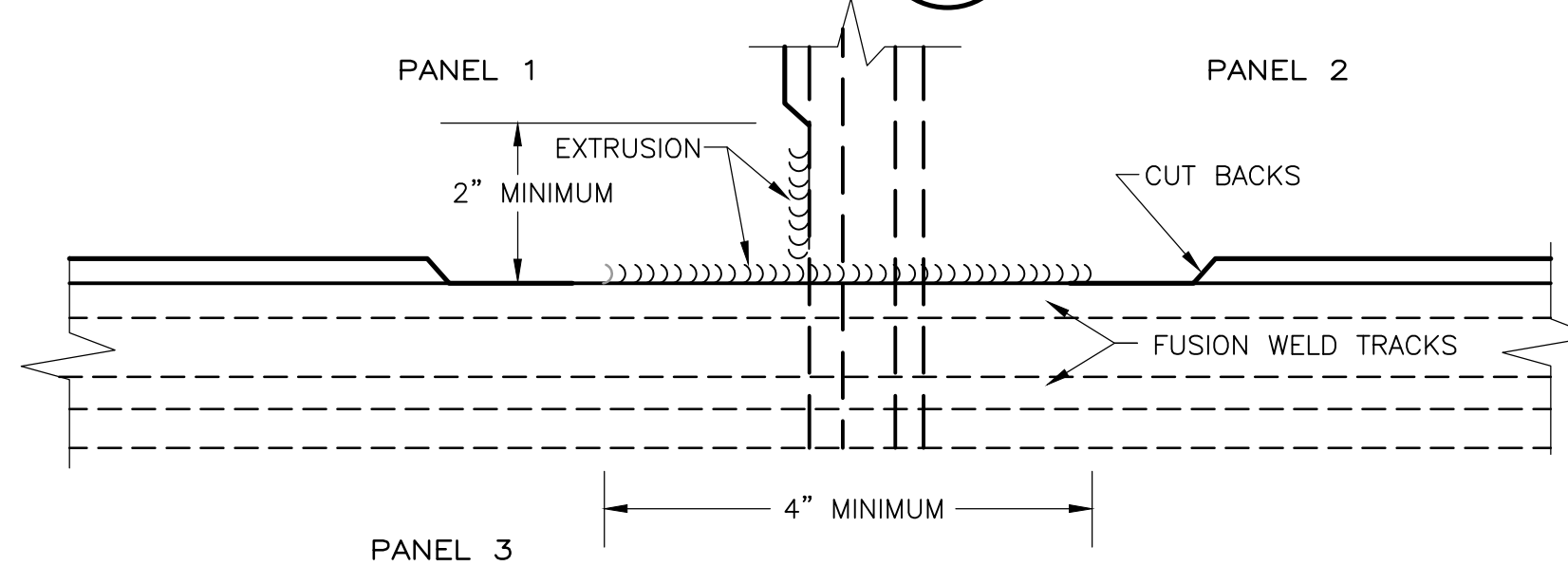
TYPICAL EXTRUSION WELD
DETAIL C
NTS -



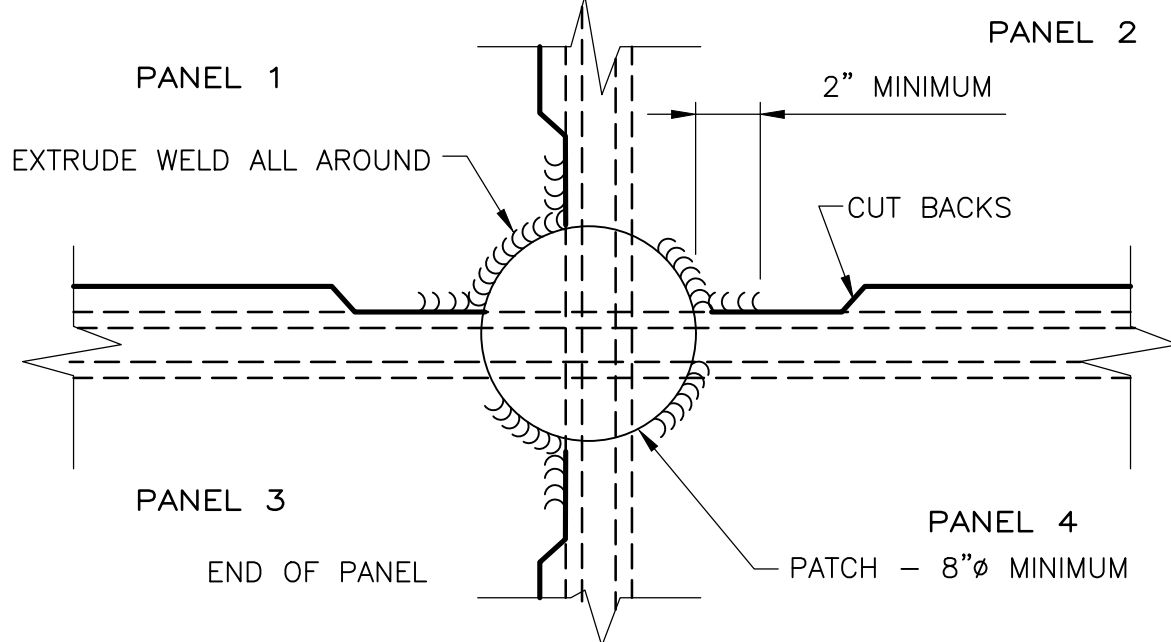
TYPICAL DESTRUCT SAMPLE PATCH
DETAIL D
NTS -



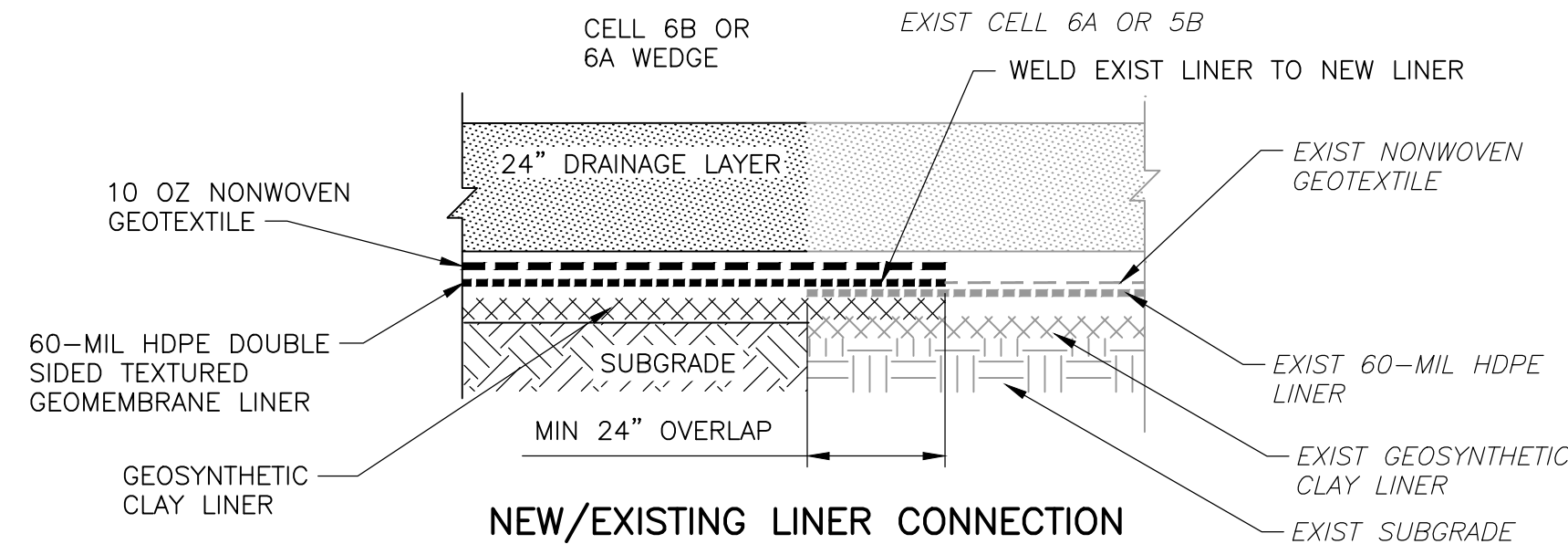
CELL 6B/EXISTING CELL 5B LINER CONNECTION
SECTION 1
NTS C-2



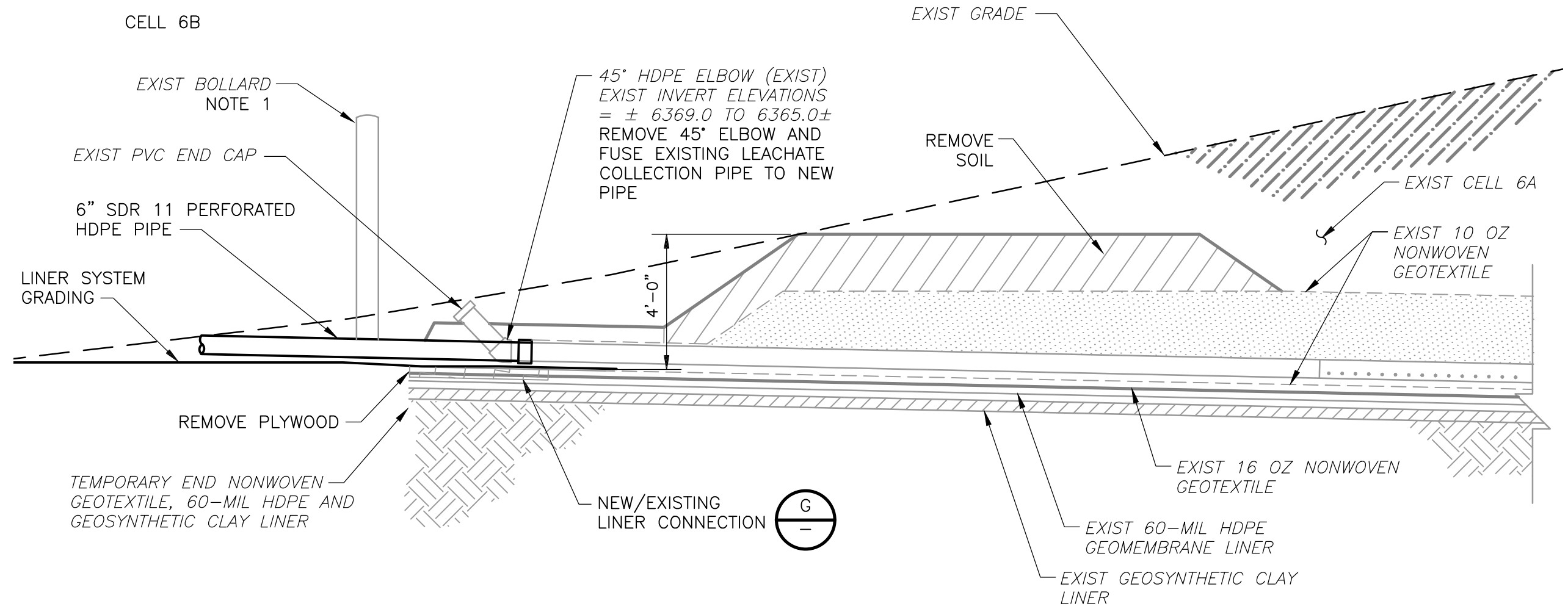
TYPICAL "T" AT BUTT SEAM
DETAIL E
NTS -



TYPICAL PATCH AT PANEL END
DETAIL F
NTS -

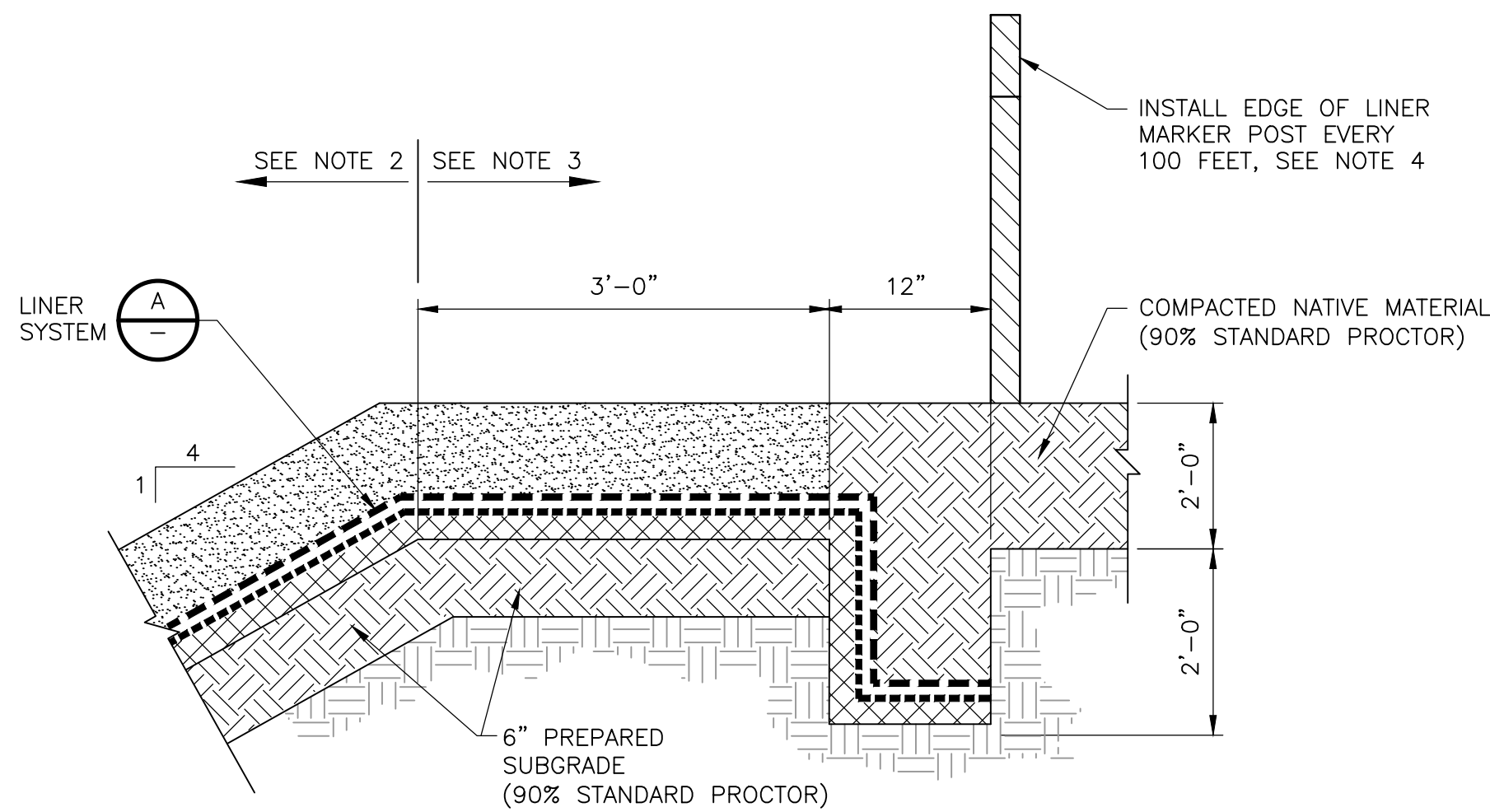


NEW/EXISTING LINER CONNECTION
DETAIL G
NTS C-2



- NOTE:
- REMOVE EXISTING BOLLARDS (QTY 2).

CONNECTION OF NEW/EXISTING LINER AND LEACHATE PIPE
SECTION 2
NTS C-2



- NOTES:
- THE 2' LAYER OF FILL SHALL EXTEND A MAXIMUM OF 5' OUTSIDE OF THE ANCHOR TRENCH.
 - LOCATION CORRESPONDS TO LIMITS OF LINER SHOWN ON C-1, C-2 AND C-3.
 - THIS PORTION OF THE LINER SYSTEM IS NOT INCLUDED IN THE MEASUREMENT QUANTITY FOR MEASUREMENT AND PAYMENT. INCLUDE AS AN INCIDENTAL.
 - MARKER SHALL BE A CARSONITE 72" CFUM-400 CURV-FLEX. MARKER DECAL SHALL READ "EDGE OF LINER" AND SHALL BE CUSTOM DECAL 2 COLOR (YELLOW) NON-REFLECTIVE, 2 7/8" X 1/16".

LINER SYSTEM ANCHOR TRENCH
DETAIL H
NTS C-2, C-3

REV. NO.	DATE	DRWN	CHKD	REMARKS

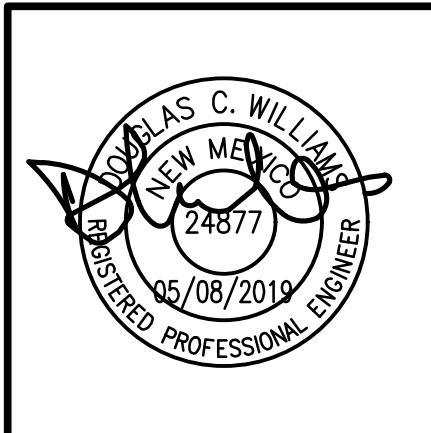
DESIGNED BY:	D. WILLIAMS
DRAWN BY:	E. DOAK
SHEET CHK'D BY:	C. GABEL
CROSS CHK'D BY:	R. FOWLE
APPROVED BY:	D. WILLIAMS
DATE:	MAY 2019

CDM Smith
6001 Indian School Rd. NE, Suite 310
Albuquerque, NM 87110
Tel: (505) 243-3200

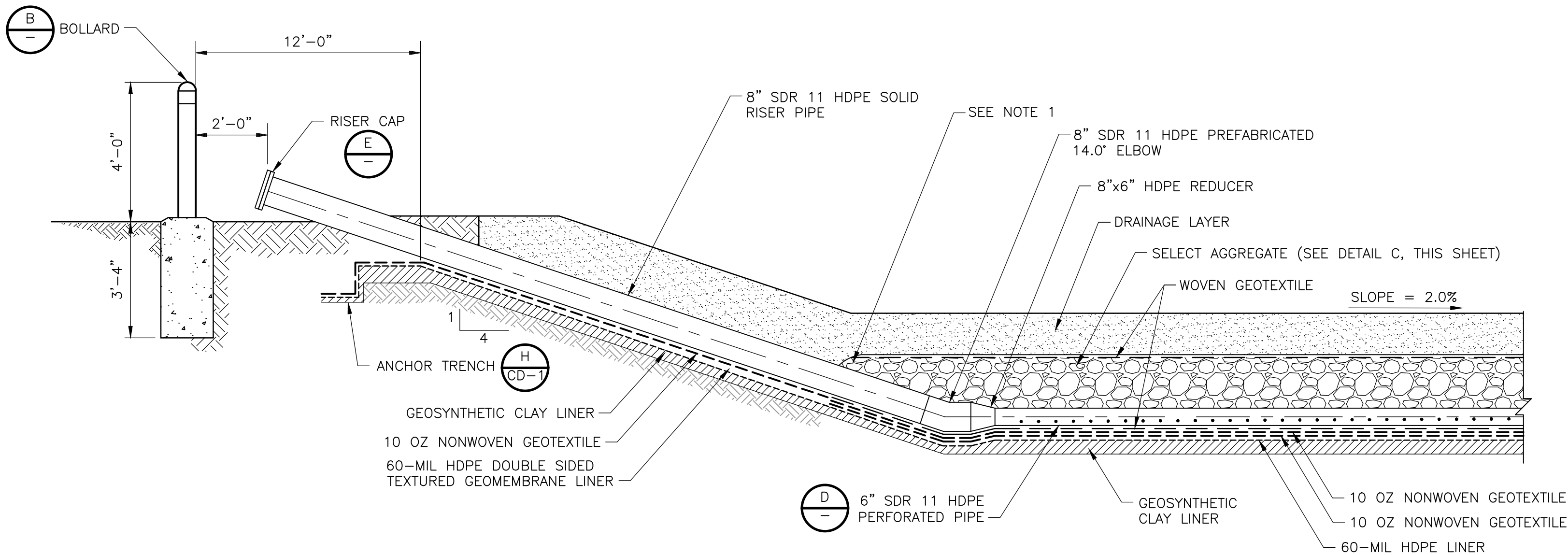
SANTA FE SOLID WASTE MANAGEMENT AGENCY
CAJA DEL RIO LANDFILL
CELLS 6B AND 6A WEDGE
LINER SYSTEM CONSTRUCTION

LINER SYSTEM DETAILS

PROJECT NO.	10679-234307
FILE NAME:	CD01LSDT.DWG
SHEET NO.	CD-1



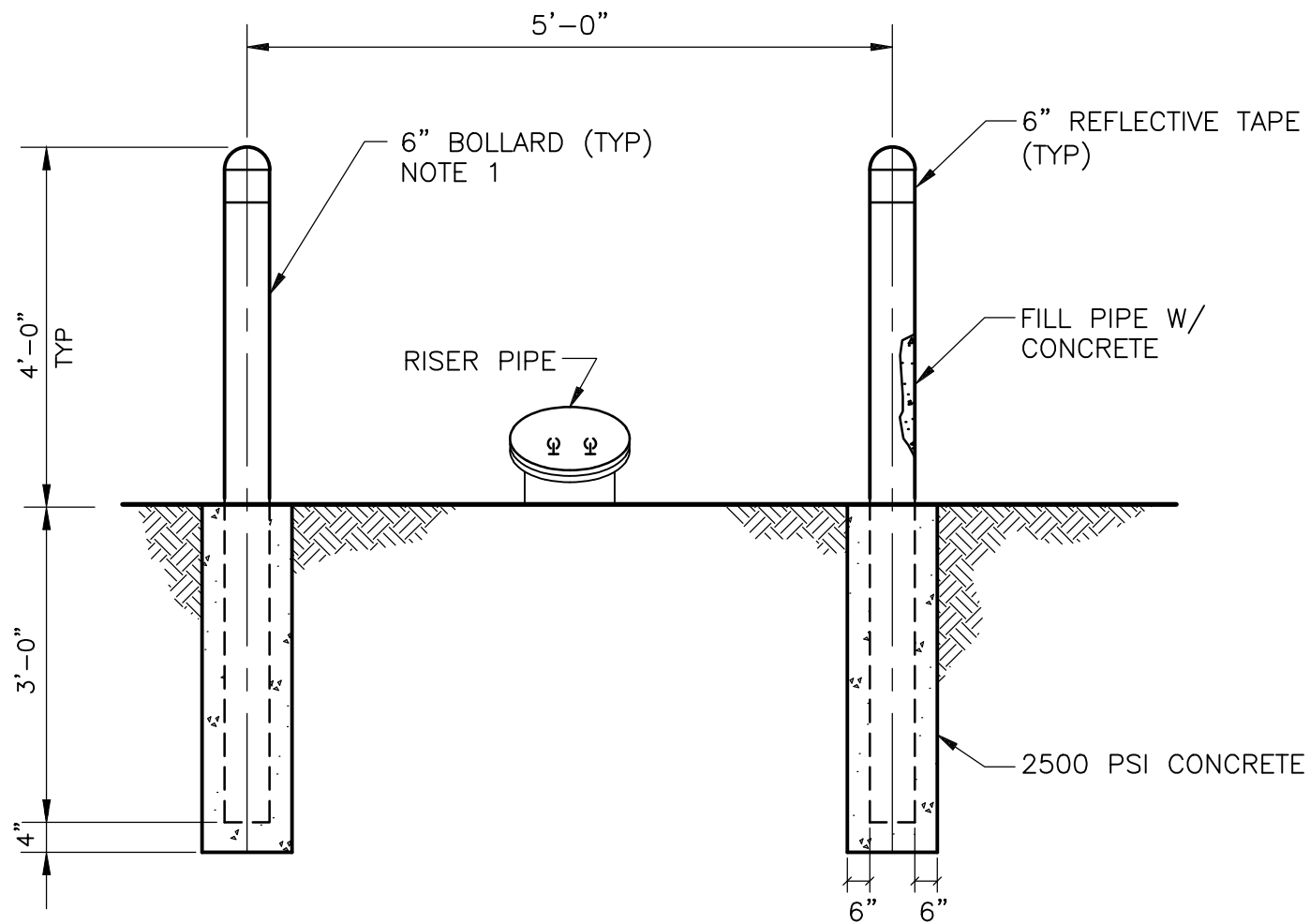
XREFS: [CDMS_2234, DOW_NWSTAMP] Images: []
Last saved by: DOAEC Time: 5/8/2019 5:15:12 PM
pw\\jpw.cdm-smith.com:PW_PL1\10679\234307\04 Design Services NM_90%02 Civil\10 CADD\CD02LCDT.dwg
©2019 CDM SMITH ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THESE DOCUMENTS AND DESIGNS PROVIDED BY PROFESSIONAL SERVICE, INCORPORATED HEREIN, ARE THE PROPERTY OF CDM SMITH AND ARE NOT TO BE USED, IN WHOLE OR PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CDM SMITH.



NOTES:

1. WRAP AND SECURE FABRIC TO PIPE WITH STAINLESS STEEL CLAMP TO PREVENT FINES FROM ENTERING.
2. PRIOR TO BACKFILLING TRENCHES FOR THE LEACHATE COLLECTION PIPING, THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT ALL PIPE BENDS/FITTINGS/DEFLECTIONS WILL ALLOW FOR CAMERA AND PIPE CLEANING EQUIPMENT TO BE LOWERED AND REMOVED FROM PIPE.

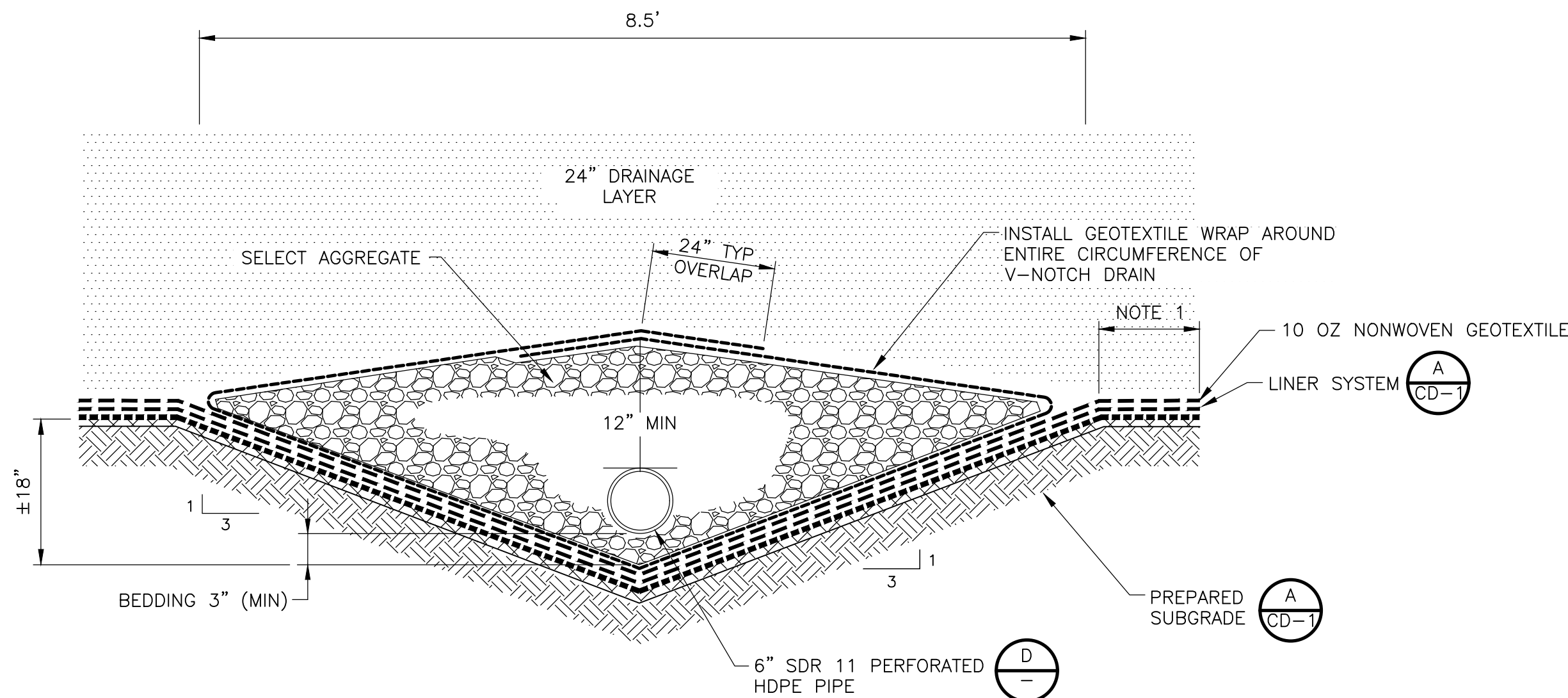
LEACHATE RISER
DETAIL A
NOT TO SCALE



NOTE:

1. BOLLARDS SHALL BE PAINTED SAFETY YELLOW.

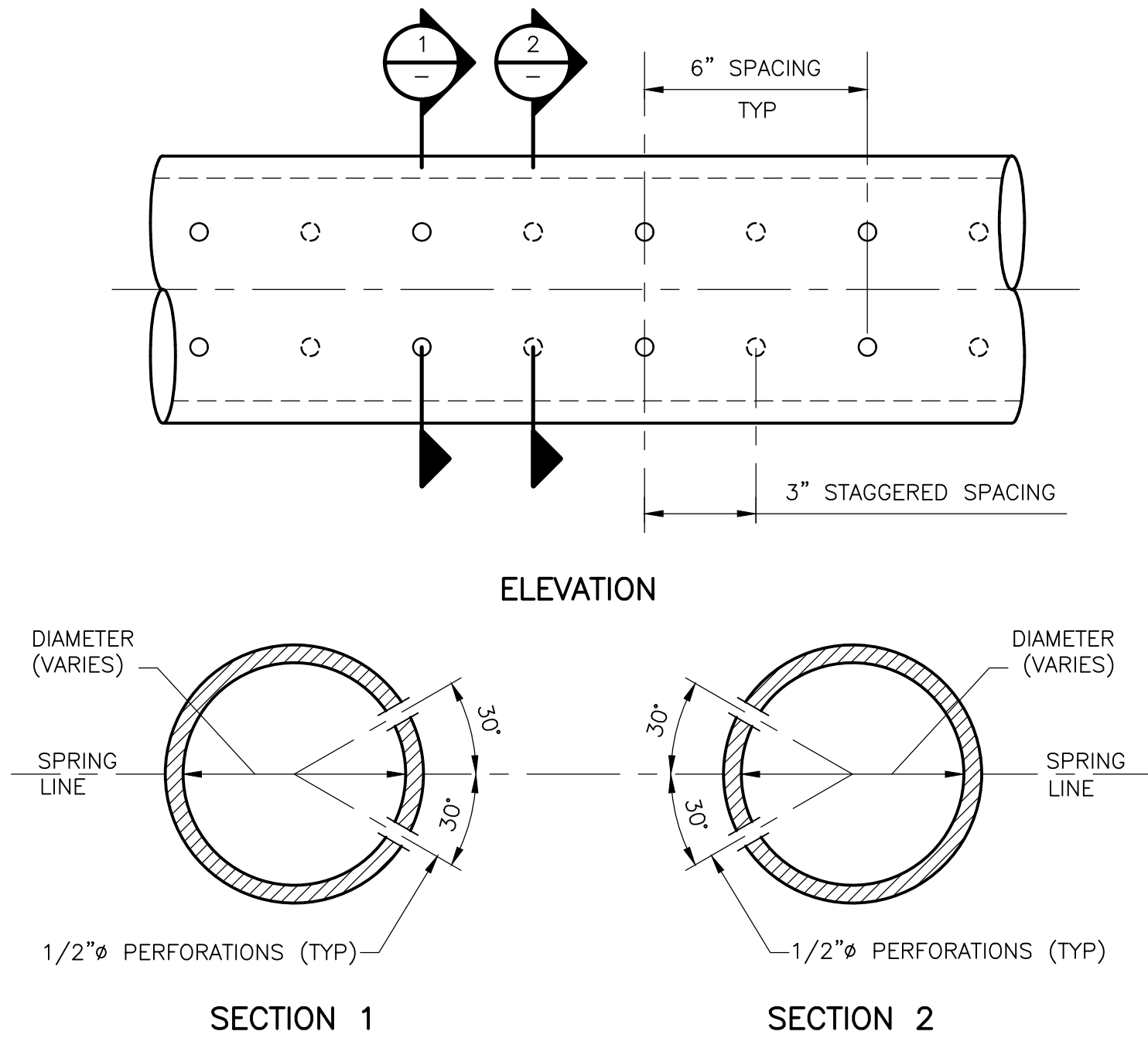
LEACHATE RISER BOLLARDS
DETAIL B
NTS



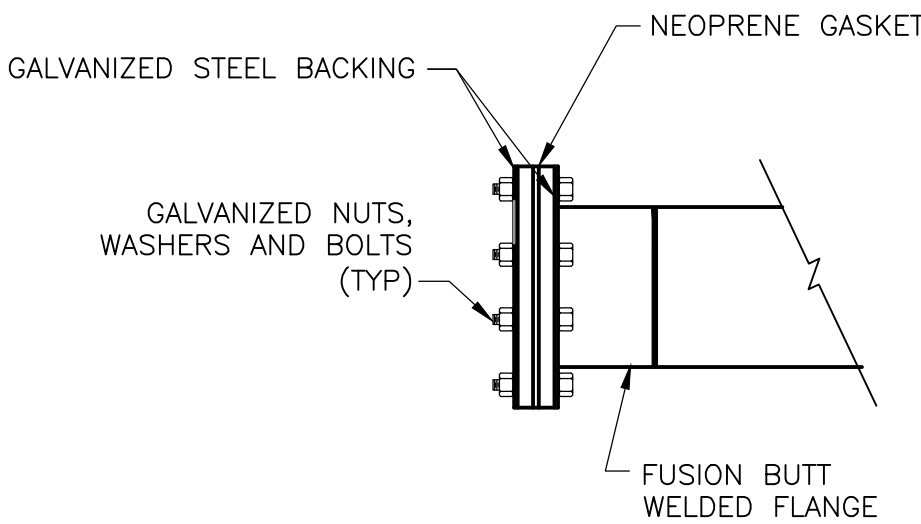
NOTE:

1. AN ADDITIONAL LAYER OF 10 OZ NONWOVEN GEOTEXTILE SHALL BE INSTALLED IN LEACHATE COLLECTION TRENCH AND EXTEND A MINIMUM OF 1 FOOT BEYOND TRENCH.

LEACHATE COLLECTION PIPE AND TRENCH - FLOOR
DETAIL C
NTS



PERFORATED HDPE PIPE
DETAIL D
NTS



NOTE:

1. BLIND FLANGE BOLTS SHALL BE TORQUED TO MEET MFR RECOMMENDATION. DO NOT OVERTIGHTEN.

LEACHATE RISER CAP
DETAIL E
1" = 1'-0"

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: D. WILLIAMS
DRAWN BY: E. DOAK
SHEET CHK'D BY: C. GABEL
CROSS CHK'D BY: R. FOWLIE
APPROVED BY: D. WILLIAMS
DATE: MAY 2019

CDM Smith
6001 Indian School Rd. NE, Suite 310
Albuquerque, NM 87110
Tel: (505) 243-3200

SANTA FE SOLID WASTE MANAGEMENT AGENCY
CAJA DEL RIO LANDFILL
CELLS 6B AND 6A WEDGE
LINER SYSTEM CONSTRUCTION

LEACHATE COLLECTION SYSTEM DETAILS

PROJECT NO. 10679-234307
FILE NAME: CD02LCDT.DWG
SHEET NO.
CD-2

