



DANE COUNTY NO. 2 (RODEFELD) LANDFILL

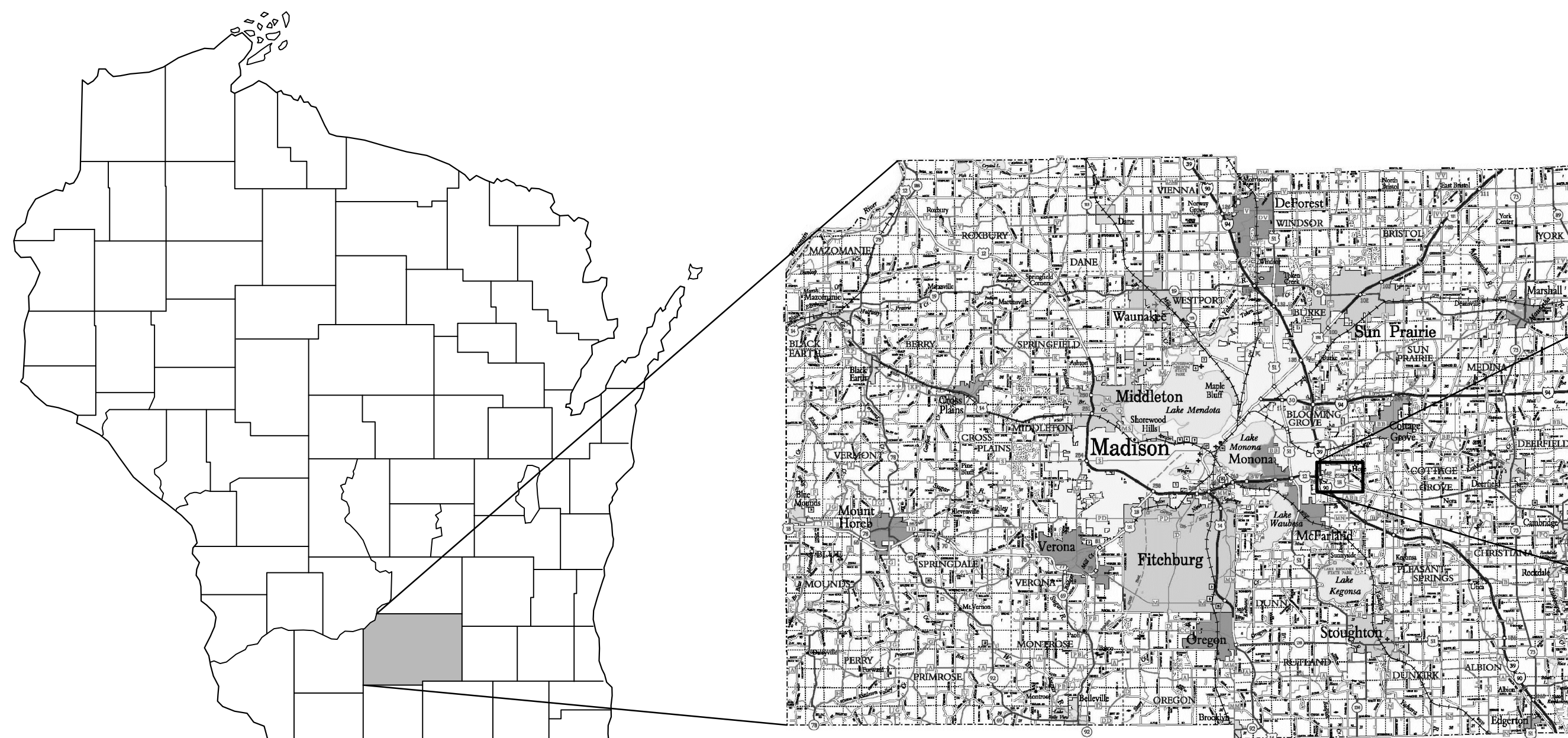
PHASE 9 - CELL 2 LINER AND STAGE 4 FINAL COVER CONSTRUCTION

PREPARED FOR: DANE COUNTY DEPARTMENT OF PUBLIC WORKS
SOLID WASTE DIVISION
DANE COUNTY, WISCONSIN

PREPARED BY: TRC ENVIRONMENTAL CORPORATION
MADISON, WISCONSIN

DATE: JANUARY 2018

DANE COUNTY NO. 2 (RODEFELD) LANDFILL - JANUARY 2018
PHASE 9 - CELL 2 LINER AND STAGE 4
FINAL COVER CONSTRUCTION



WISCONSIN

DANE COUNTY

SITE LOCATOR

SHEET LIST TABLE	
SHEET NUMBER	SHEET TITLE
1	INDEX - TITLE SHEET
2	STANDARD LEGEND AND GENERAL NOTES
3	EXISTING CONDITIONS MAP
PHASE 9 - CELL 2 LINER DRAWINGS	
4	SOIL STOCKPILE AREAS
5	SUBBASE GRADES - GROUNDWATER GRADIENT CONTROL SYSTEM
6	BASE GRADES AND LEACHATE COLLECTION SYSTEM
7	DETAILS - LINER, GRADIENT CONTROL AND LEACHATE COLLECTION
8	DETAILS AND ENGINEERING CROSS SECTIONS 2,201,015 E AND 381,600 N
STAGE 4 FINAL COVER DRAWINGS	
9	FINAL COVER TOP OF GRADING LAYER (BOTTOM OF BARRIER LAYER)
10	FINAL COVER SUBBASE GRADES (TOP OF BARRIER LAYER)
11	TOP OF FINAL COVER GRADES
12	DETAILS - FINAL COVER SYSTEM
13	DETAILS - FINAL COVER SYSTEM
14	DETAILS - FINAL COVER PENETRATIONS
15	DETAILS - DOWNSLOPE FLUMES
16	EROSION CONTROL AND SITE RESTORATION PLAN
17	DETAILS - EROSION CONTROL

NOTE: THE CONTRACTOR SHALL NOTIFY ALL AREA UTILITY COMPANIES PRIOR TO COMMENCING WORK ON THIS CONTRACT, IN ACCORDANCE WITH STATE AND LOCAL REQUIREMENTS.

NOTE: THESE PLANS ARE ACCOMPANIED BY A PROJECT MANUAL OF THE SAME TITLE. THESE DOCUMENTS ARE INTERRELATED AND ARE INTENDED TO BE USED TOGETHER.



708 Heartland Trail
Suite 3000
Madison, WI 53717
Phone: 608.826.3600

STANDARD LEGEND

EXISTING	DESIGN	ROADWAYS
		GRAVEL
		PAVED
		RAILROAD
		CENTERLINE
		WALKS/DRIVES
		WALLS/FENCES
		EARTH WALL
		FENCE LINE
		CONTOURS
		INDEX CONTOUR (10' INTERVAL)
		INTERMEDIATE CONTOUR (2' INTERVAL)
		DEPRESSION
		SPOT ELEVATION
		TREES
		DECIDUOUS
		CONIFER
		BUSH
		TREE LINE AND/OR BUSH
		WATER
		BODIES OF WATER
		RIVER/STREAMS
		INTERMITTENT STREAM
		DITCH WITH FLOW AND DIRECTION
		BRIDGE
		CULVERT
		EDGE OF WATER / APPROXIMATE LIMITS OF WET AREA
		AREA CONTAINING WETLAND VEGETATION
		BUILDING
		BUILDING
		FEATURES
		WATER TABLE WELL
		SOIL BORING
		TEST PIT
		PIEZOMETER
		STAFF GAUGE
		PRIVATE WELL
		LEACHATE HEAD WELL
		LEACHATE HEAD WELL MONITORING PORT
		GAS VENT
		GAS MONITORING PROBE
		LYSIMETER
		SEPTIC COVER
		SEPTIC VENT
		ABANDONED PRIVATE WELL
		ABANDONED MONITORING WELL
		ABANDONED PIEZOMETER
		UTILITIES
		STORM SEWER LINE
		SANITARY SEWER LINE
		UNDERGROUND ELECTRIC
		ELECTRICAL WIRES
		UNDERGROUND TELEPHONE
		TELEPHONE
		CABLE
		WATER
		GAS
		LIGHT POLE BASE
		MISCELLANEOUS
		LIMITS OF COMPOSITE LINER CONSTRUCTION
		SEDIMENT CONTAINMENT FENCE
		LIMITS OF WASTE
		PHASE / MODULE LINE
		APPROXIMATE LIMITS OF CONSTRUCTION
		SEDIMENT EROSION CONTROL LOGS

NOTE:
 1. THESE SYMBOLS DO NOT APPLY TO SHEET 3, ALL EXISTING FEATURES SHOWN AS BOLD ON PLAN SHEET 3
 2. SYMBOLS IN LEGEND ON INDIVIDUAL SHEETS SUPERSEDE SYMBOLS SHOWN IN THIS SHEET.

EXISTING	PROPOSED	SURVEY DATA
		PROPERTY LINE
		RIGHT-OF-WAY LINE
		BENCH MARK
		SURVEY CONTROL POINT
		MONUMENT
		SECTION-CORNER / QUARTER-CORNER
		PIPE
		COLLECTION PIPE CLEANOUT
		MANHOLE
		COLLECTION PIPE (PERFORATED)
		TRANSFER PIPE (SOLID WALL)
		LEACHATE FORCEMAIN
		SURFACE
		PHASE/MODULE DELINEATION BERM
		SEDIMENTATION BASIN
		FINAL COVER DIVERSION BERM
		RIPRAP SPILLWAY
		STONE TRACKING PAD
		EROSION CONTROL MAT / TURF REINFORCEMENT MAT
		PLAN SHEET
		GRID TICK AND STATION
		GRID TICK AND STATION
		DETAIL 1 ON SHEET 5
		SLOPE PERCENT AND DIRECTION
		ENGINEERING/GEOLOGIC CROSS SECTION LOCATION
		SURFACE WATER FLOW ARROW

STANDARD NOTES

- NOTES**
- TOPOGRAPHIC INFORMATION WAS DEVELOPED BY SPLICING THE FEBRUARY 2, 2016 AECOM GROUND SURVEY (PHASE 10 - CELL 2 AREA); DECEMBER 2, 2014 AECOM GROUND SURVEY (IN THE STOCKPILE AREA SOUTH OF FUTURE PHASE 11); DECEMBER 20, 2017 AYRES ASSOCIATES (IN THE AREA SOUTH OF PHASE 9 - CELL 1); NOVEMBER 16, 2017 AYRES ASSOCIATES (STAGE 3 AND STAGE 4); AND AS-BUILT PHASE 9 - CELL 1 AND AS-BUILT PHASE 10 - CELL 1 GRADES INTO THE APRIL 2, 2013 KBM, INC. AERIAL SURVEY. ADDITIONAL TOPOGRAPHIC INFORMATION OUTSIDE OF APRIL 2, 2013 KBM, INC. AERIAL SURVEY WAS OBTAINED FROM: DANE COUNTY LAND INFORMATION OFFICE MADISON, WI., TWO-FOOT CONTOURS DATED 2009.
 - HORIZONTAL DATUM IS BASED ON NAD27 WISCONSIN STATE PLANE COORDINATE SYSTEM.
 - VERTICAL DATUM IS REFERENCED TO USGS MEAN SEA LEVEL (M.S.L.) DATUM. THE TOPOGRAPHIC CONTOUR INTERVAL IS TWO FEET.

HORIZONTAL AND VERTICAL CONTROL POINT LOCATIONS				
NAME	NORTHING STATE PLANE (FEET)	EASTING STATE PLANE (FEET)	ELEVATION (FT-MSL)	DESCRIPTION
203	381,404.98	2,198,495.01	875.020	CP 0.75 REBAR SOUTH SIDE OF PAVED ENTRY ROAD
5141	381,812.47	2,201,335.74	906.000	CP 100D WEST SIDE CTH AB WEST OF MAILBOX 3620
5143	380,264.80	2,201,121.12	883.000	CP MEDIAN SO OF INLET NORTH SIDE MEDIAN 12/18 WEST OF CTH AB
5146	383,160.34	2,201,292.29	870.930	CP 100D SW OF NE CONST FENCE CORNER
6001	382,847.88	2,200,698.84	889.452	CP SPIKE IN GRAVEL DRIVE SW OF FO WEST END OF TALL FENCING NORTH OF P10 CELL 1
6002	382,615.37	2,200,252.21	880.659	CP SPIKE SOUTH SIDE OF ACCESS ROAD WEST OF P10 CELL 1
6003	382,602.35	2,200,447.27	879.687	BM CUT SQ. SW CORNER CONCRETE SLAB WEST OF BERM P10 SOUTH OF ACCESS ROAD

NOTE: THE CONTRACTOR SHALL NOTIFY ALL AREA UTILITY COMPANIES PRIOR TO COMMENCING WORK ON THIS CONTRACT, IN ACCORDANCE WITH STATE AND LOCAL REQUIREMENTS.

NOTE: THESE PLANS ARE ACCOMPANIED BY A PROJECT MANUAL OF THE SAME TITLE. THESE DOCUMENTS ARE INTERRELATED AND ARE INTENDED TO BE USED TOGETHER.

NO.	BY	DATE	REVISION	APP'D.

PROJECT: **DANE COUNTY NO. 2 (RODEFELD) LANDFILL PHASE 9 - CELL 2 LINER AND STAGE 4 FINAL COVER CONSTRUCTION DANE COUNTY, WISCONSIN**

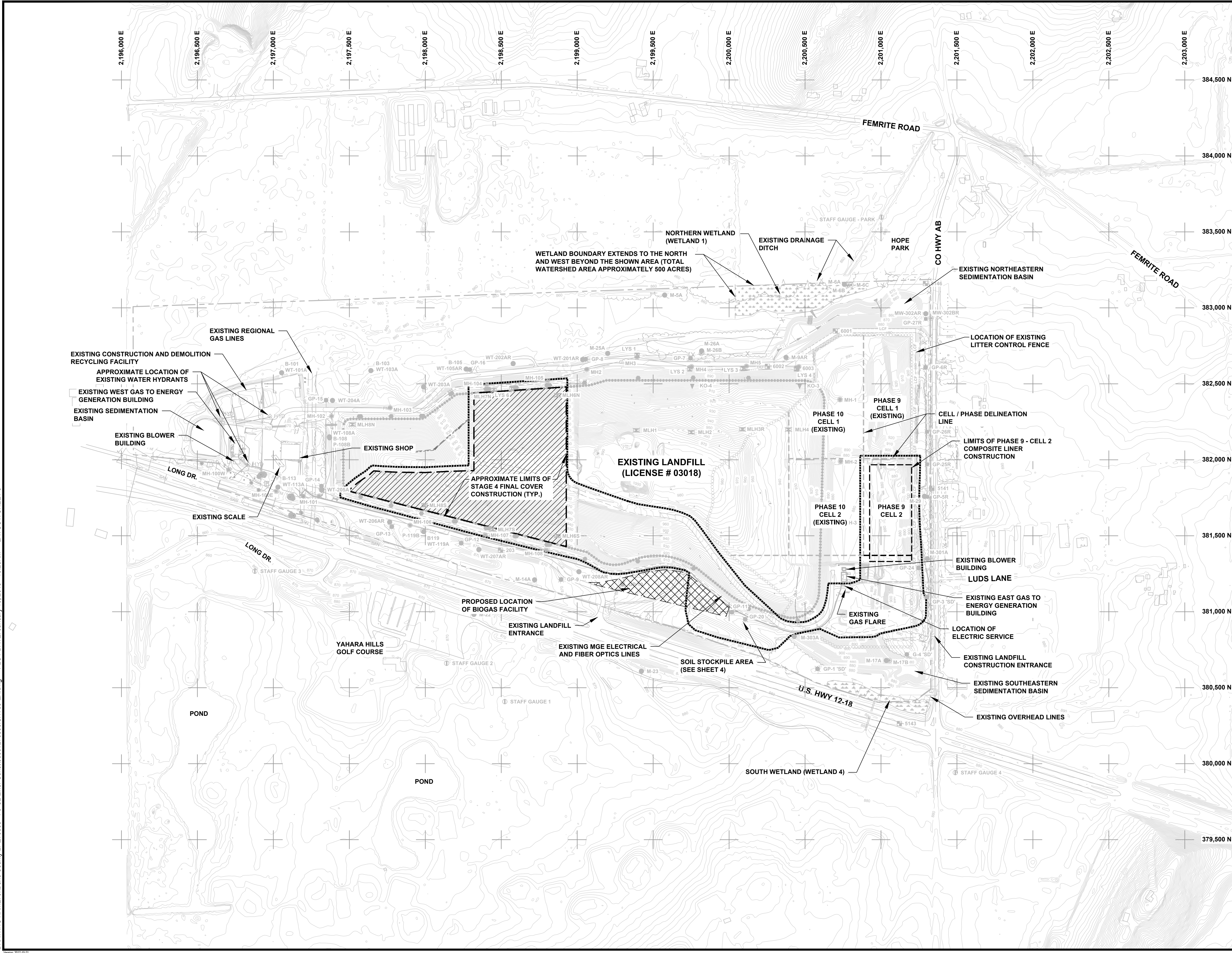
TITLE: **STANDARD LEGEND AND GENERAL NOTES**

DRAWN BY: R. NOLDEN	PROJ. NO.: 279395000.0000
CHECKED BY: D. MARSHALL	SHEET 2 OF 17
APPROVED BY: D. GENTHE	
DATE: JANUARY 2018	

708 Heartland Trail
 Suite 3000
 Madison, WI 53717
 Phone: 608.826.3600

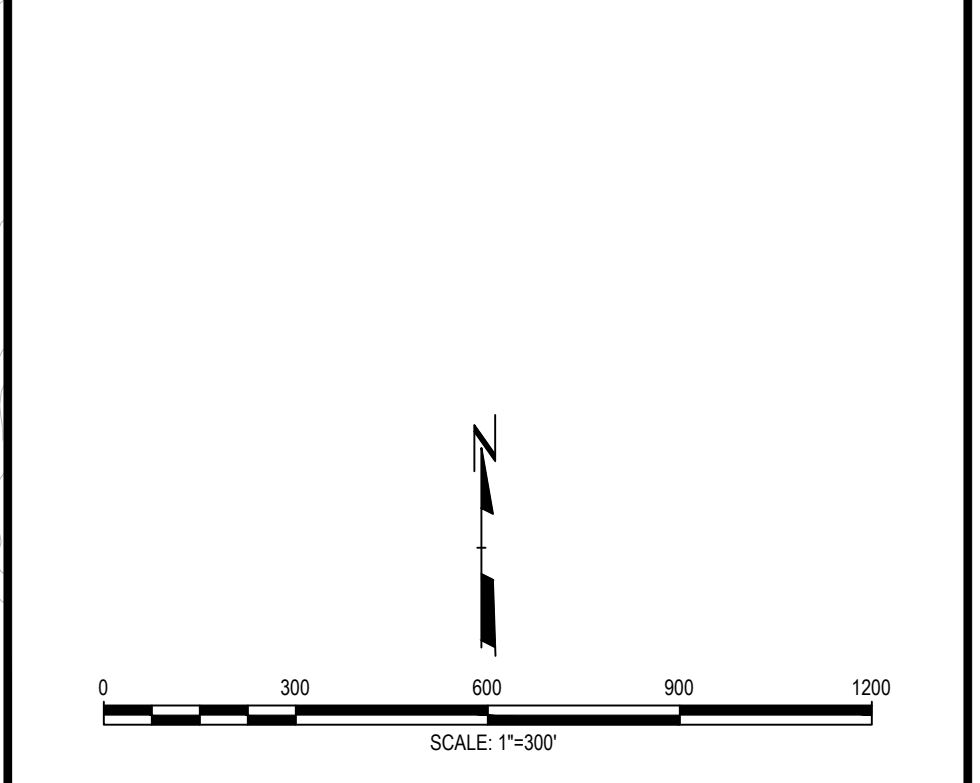
FILE NO.: 279395_SHT02-LG.dwg

2/23/18 - ATTACHED XREFS: Bmc-Topo 2017-12-20; Prc-Bmr; Gtd; Wels 300s; Wels Leach 300s; P9 - C2 site prep; Bmc-2014-12-02; Wels Grd 300s; --- ATTACHED IMAGES:
 DRAWING NAME: J:\Dane County LF279395 - P9-C2 Liner Const\0000\279395-SHT03-EX.dwg --- PLOT DATE: January 10, 2018 - 10:28AM --- LAYOUT-SHEET 3



LEGEND	
	APPROXIMATE PROPERTY BOUNDARY
	GRID LOCATION
	EXISTING PAVED ROAD
	EXISTING UNPAVED ROAD
	EXISTING FENCE
	EXISTING BUILDING
	EXISTING 10' CONTOUR
	EXISTING 2' CONTOUR
	EXISTING SPOT ELEVATION
	EXISTING TREES AND/OR BRUSH
	EXISTING WET AREA AND WETLAND LIMITS
	EXISTING EDGE OF WATER
	EXISTING OVERHEAD LINES
	DRAINAGE DITCH
	EXISTING APPROVED LIMITS OF WASTE
	APPROVED LIMITS OF WASTE
	CELL/PHASE DELINEATION LINE
	LIMITS OF COMPOSITE LINER CONSTRUCTION
	LIMITS OF CONSTRUCTION
	EXISTING LEACHATE FORCEMAIN LINE
	EXISTING LEACHATE GRAVITY DRAIN LINE
	EXISTING SANITARY SEWER LINE
	EXISTING SURVEY CONTROL MONUMENT
	EXISTING MONITORING WELL LOCATION
	EXISTING PIEZOMETER LOCATION
	EXISTING GAS MONITORING PROBE LOCATION
	EXISTING GAS EXTRACTION WELL
	EXISTING LYSIMETER LOCATION
	EXISTING MANHOLE LOCATION
	EXISTING CLEANOUT LOCATION
	EXISTING LEACHATE HEAD WELL
	EXISTING STAFF GAUGE LOCATION
	EXISTING GRINDER PUMP
	EXISTING WATER HYDRANT
	EXISTING LITTER CONTROL FENCE
	EXISTING HAUL ROAD TO BE REMOVED

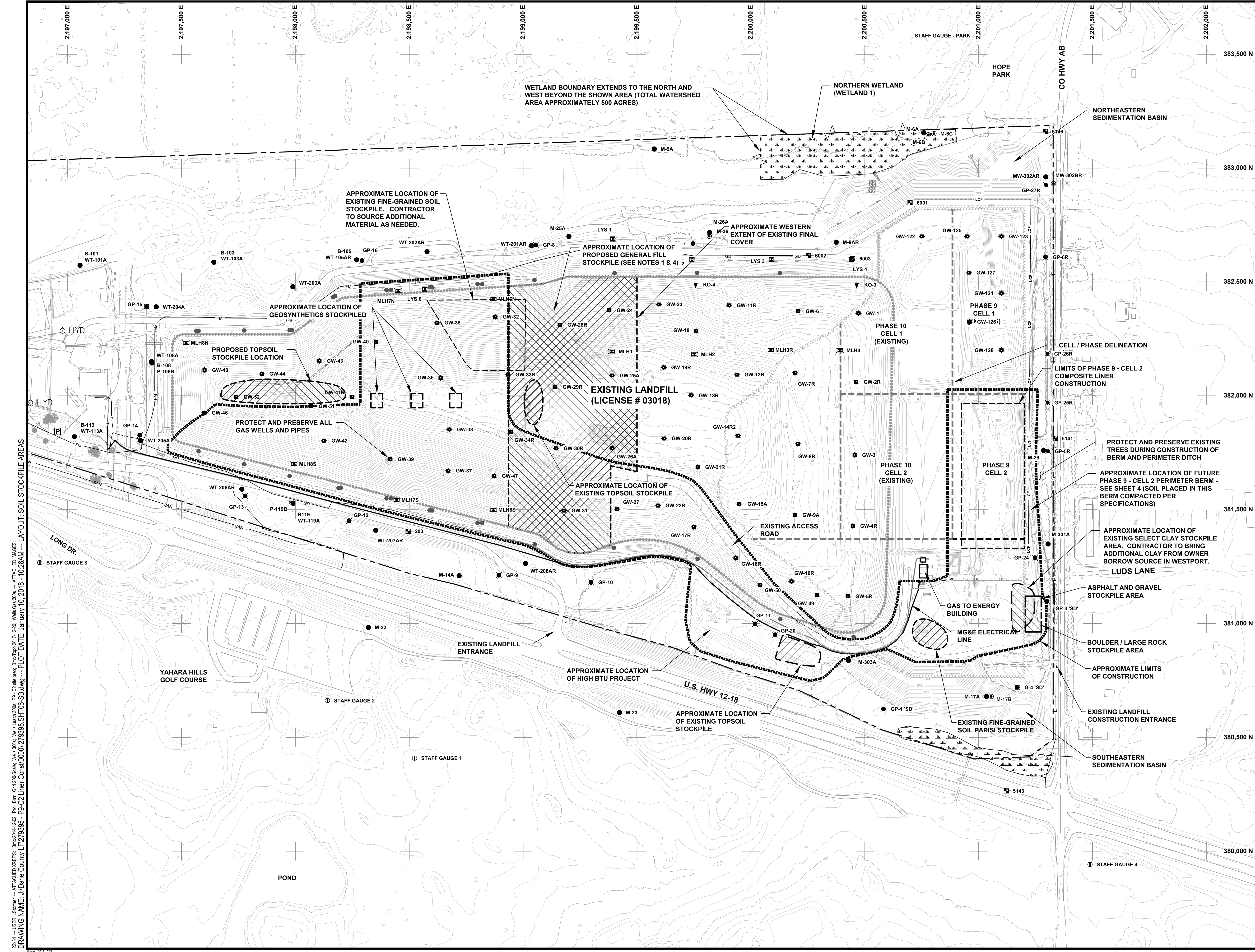
- NOTES**
- PROPERTY BOUNDARIES IN THE VICINITY OF THE EASTERN EXPANSION SURVEYED BY AECOM DATED: SEPTEMBER 19, 2012.
 - BUILDING INFORMATION PROVIDED BY DANE COUNTY LAND INFORMATION OFFICE MADISON, WI. BUILDING FOOTPRINTS DATED: 2005.
 - UTILITY LOCATIONS SHOWN PROVIDED BY DANE COUNTY.
 - PROJECT CONSTRUCTION INCLUDES PHASE 9 - CELL 2 COMPOSITE LINER, ASSOCIATED PIPING AND APPURTENANCES, STOCKPILE AND BERMS.



NOTE: THE CONTRACTOR SHALL NOTIFY ALL AREA UTILITY COMPANIES PRIOR TO COMMENCING WORK ON THIS CONTRACT, IN ACCORDANCE WITH STATE AND LOCAL REQUIREMENTS.

NOTE: THESE PLANS ARE ACCOMPANIED BY A PROJECT MANUAL OF THE SAME TITLE. THESE DOCUMENTS ARE INTERRELATED AND ARE INTENDED TO BE USED TOGETHER.

NO.	BY	DATE	REVISION	APPD.
PROJECT: DANE COUNTY NO. 2 (RODEFELD) LANDFILL PHASE 9 - CELL 2 LINER AND STAGE 4 FINAL COVER CONSTRUCTION DANE COUNTY, WISCONSIN				
TITLE: EXISTING CONDITIONS MAP				
DRAWN BY: R. NOLDEN		PROJ. NO.: 279395000.0000		
CHECKED BY: D. MARSHALL		SHEET 3 OF 17		
APPROVED BY: D. GENTHE				
DATE: JANUARY 2018				
		708 Heartland Trail Suite 3000 Madison, WI 53717 Phone: 608.826.3600		
FILE NO.: 279395-SHT03-EX.dwg				



LEGEND

APPROXIMATE LIMITS OF AREA FOR STOCKPILING SOIL (GENERAL FILL, FINE-GRAINED, TOPSOIL, AND SELECT CLAY FILL)

NOTES

- GENERAL FILL MATERIALS TO BE SEGREGATED BY MATERIAL TYPE WITHIN GENERAL FILL STOCKPILE AREA.
- BOULDERS AND LARGE ROCKS ENCOUNTERED DURING EXCAVATION SHALL BE SEGREGATED AND STOCKPILED AS SHOWN.
- UNCAPPED AREAS TO THE EAST OF AREA TWO FINAL COVER MAY BE USED FOR STOCKPILES.
- ALL CLEAN FILL NOT DENOTED AS FINE-GRAINED OR TOPSOIL SHALL BE CONSIDERED GENERAL FILL.

NOTE: THE CONTRACTOR SHALL NOTIFY ALL AREA UTILITY COMPANIES PRIOR TO COMMENCING WORK ON THIS CONTRACT, IN ACCORDANCE WITH STATE AND LOCAL REQUIREMENTS.

NOTE: THESE PLANS ARE ACCOMPANIED BY A PROJECT MANUAL OF THE SAME TITLE. THESE DOCUMENTS ARE INTERRELATED AND ARE INTENDED TO BE USED TOGETHER.

NO.	BY	DATE	REVISION	APPD.

PROJECT: **DANE COUNTY NO. 2 (RODEFELD) LANDFILL
PHASE 9 - CELL 2 LINER AND STAGE 4
FINAL COVER CONSTRUCTION
DANE COUNTY, WISCONSIN**

TITLE: **SOIL STOCKPILE AREAS**

DRAWN BY:	R. NOLDEN	PROJ. NO.:	2793950000.0000
CHECKED BY:	D. MARSHALL		
APPROVED BY:	D. GENTHE		
DATE:	JANUARY 2018		

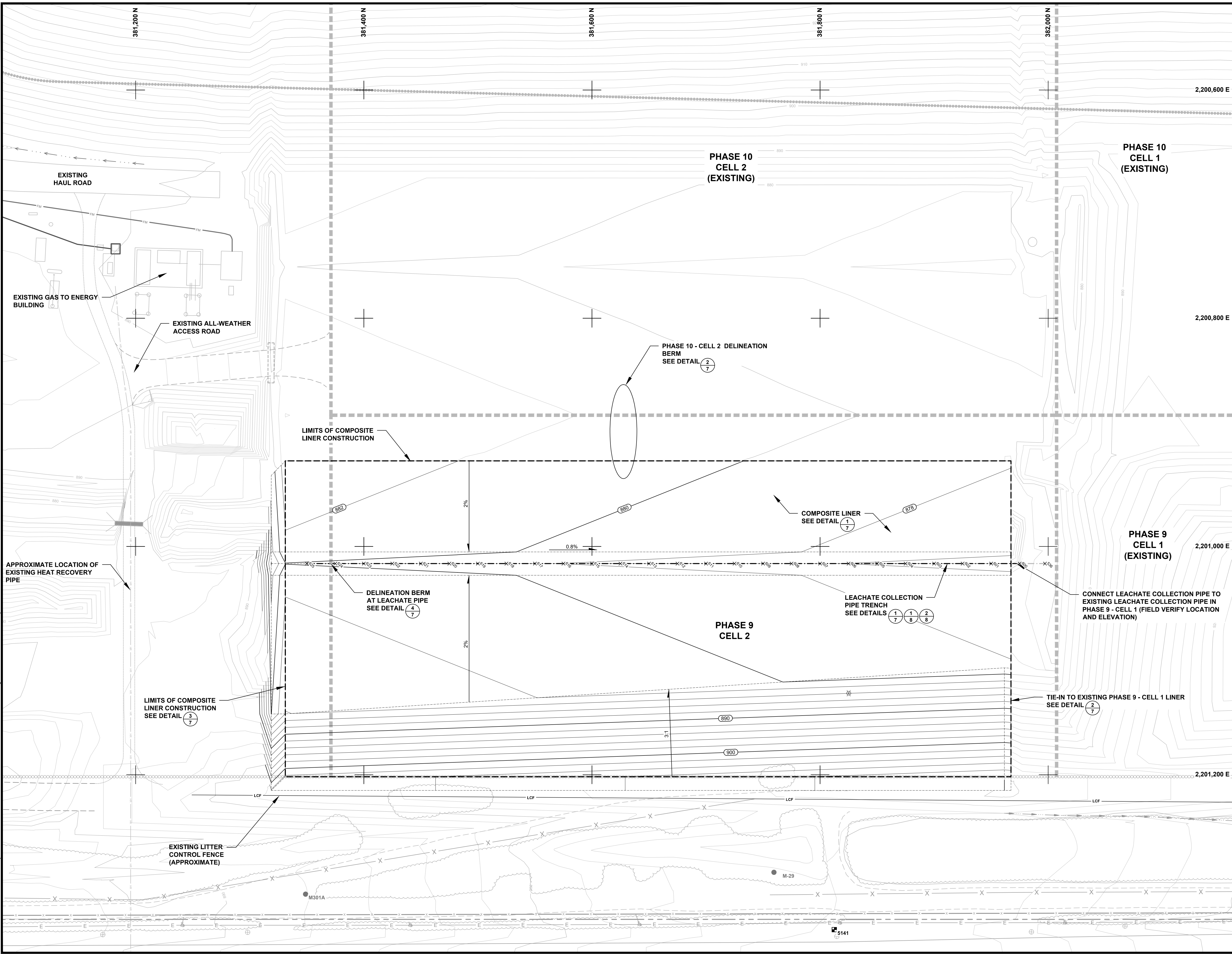
SHEET 4 OF 17

TRC 708 Heartland Trail Suite 3000 Madison, WI 53717 Phone: 608.826.3600

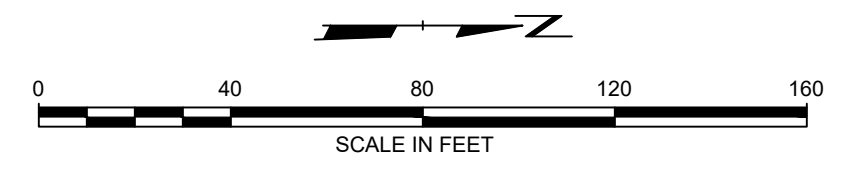
FILE NO.: 279395 SHT06-SB.dwg

2/24/18 USER: L.Stomer -- ATTACHED REFS: Bnc2014-12-02; Proj: Bnc; Grd 200 Scale: Wgs 300s; Wgs Latch 300s; P9-C2 Site prep; Bnc Topo 2017-12-20; Wgs Grd 300s -- ATTACHED IMAGES: DRAWING NAME: J:\Dane County LF279395 - P9-C2 Liner Const\0000\279395 SHT06-SB.dwg -- PLOT DATE: January 10, 2018 - 10:28AM -- LAYOUT: SOIL STOCKPILE AREAS

2/24/18 ... USER: LStromer ... ATTACHED XREFS: Bins2014-12-02; Bins: Well Gas 100s; Well Leach 100s; Well 100s; Col PH-2; PH - C2 site prep; P9 - C2 BG; Bins Top 2017-12-20; P10 - C2 Basegrade Coordinates; P10 - C2 Exterior Grades; P9 - C2 SS; P9 - C2 BG ... ATTACHED IMAGES: DRAWING NAME: J:\Dane County LF279395 - P9-C2 Liner Const\000000_279395_SHT05-BG.dwg ... PLOT DATE: January 10, 2018 - 10:29AM ... LAYOUT: BASE GRADES



- NOTES**
- REFER TO SHEET 2 OF THIS PLAN SET FOR LEGEND SYMBOLS AND LIST OF NOTES.
 - FULL TONE CONTOURS WITHIN THE LIMITS OF PHASE 9 - CELL 2 COMPOSITE LINER CONSTRUCTION REPRESENT THE TOP OF THE COMPACTED CLAY LINER (BASE GRADES). REFER TO DETAIL 1 ON PLAN SHEET 7 FOR LEACHATE COLLECTION LINE EXCAVATION.
 - FULL TONE CONTOURS OUTSIDE THE LIMITS OF PHASE 9 - CELL 2 COMPOSITE LINER CONSTRUCTION REPRESENT FINISHED GRADING (e.g. TOP OF TOPSOIL, TOP OF GRAVEL ROAD, ETC.)
 - REFER TO TABLES 2 THROUGH 3 FOR CONSTRUCTION COORDINATE LOCATIONS AND ELEVATIONS.
 - TIE-IN TO EXISTING LINER IN PHASE 10 - CELL 2 BASED ON TRC ENVIRONMENTAL CORP. PHASE 10 - CELL 2 LINER CONSTRUCTION DOCUMENTATION PLANS, SEPTEMBER 2017. TIE-IN TO EXISTING LINER IN PHASE 9 - CELL 1 BASED ON TRC ENVIRONMENTAL CORP. PHASE 9 - CELL 1 LINER CONSTRUCTION DOCUMENTATION PLANS, DECEMBER 2014. CONTRACTOR TO FIELD VERIFY EXISTING LINER LOCATIONS AND ELEVATIONS PRIOR TO CONSTRUCTING LINER SPLICE.
 - INSTALL WISDOT CLASS 1 TYPE A EROSION CONTROL AND VEGETATION MAT (ECRM) ON ALL 3:1 SLOPES AND STEEPER EXCEPT IN CLAY LINER AREA. REFER TO PLAN SHEET 16.



NOTE: THE CONTRACTOR SHALL NOTIFY ALL AREA UTILITY COMPANIES PRIOR TO COMMENCING WORK ON THIS CONTRACT, IN ACCORDANCE WITH STATE AND LOCAL REQUIREMENTS.

NOTE: THESE PLANS ARE ACCOMPANIED BY A PROJECT MANUAL OF THE SAME TITLE. THESE DOCUMENTS ARE INTERRELATED AND ARE INTENDED TO BE USED TOGETHER.

NO.	BY	DATE	REVISION	APPD.

PROJECT: **DANE COUNTY NO. 2 (RODEFELD) LANDFILL
PHASE 9 - CELL 2 LINER AND STAGE 4
FINAL COVER CONSTRUCTION
DANE COUNTY, WISCONSIN**

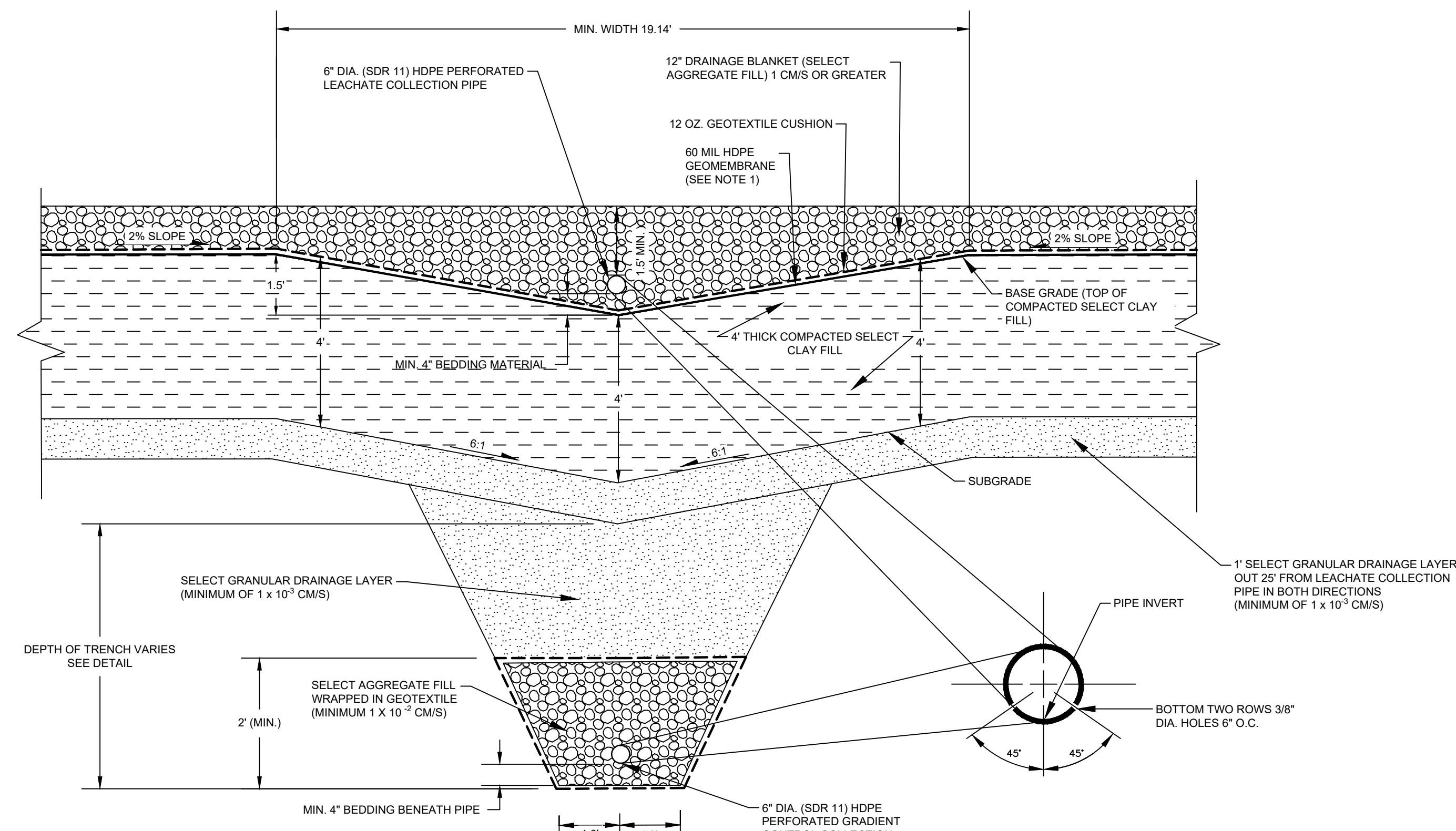
TITLE: **BASE GRADES AND LEACHATE COLLECTION SYSTEM**

DRAWN BY:	R. NOLDEN	PROJ. NO.:	2793950000.0000
CHECKED BY:	D. MARSHALL	SHEET 6 OF 17	
APPROVED BY:	D. GENTHE		
DATE:	JANUARY 2018		

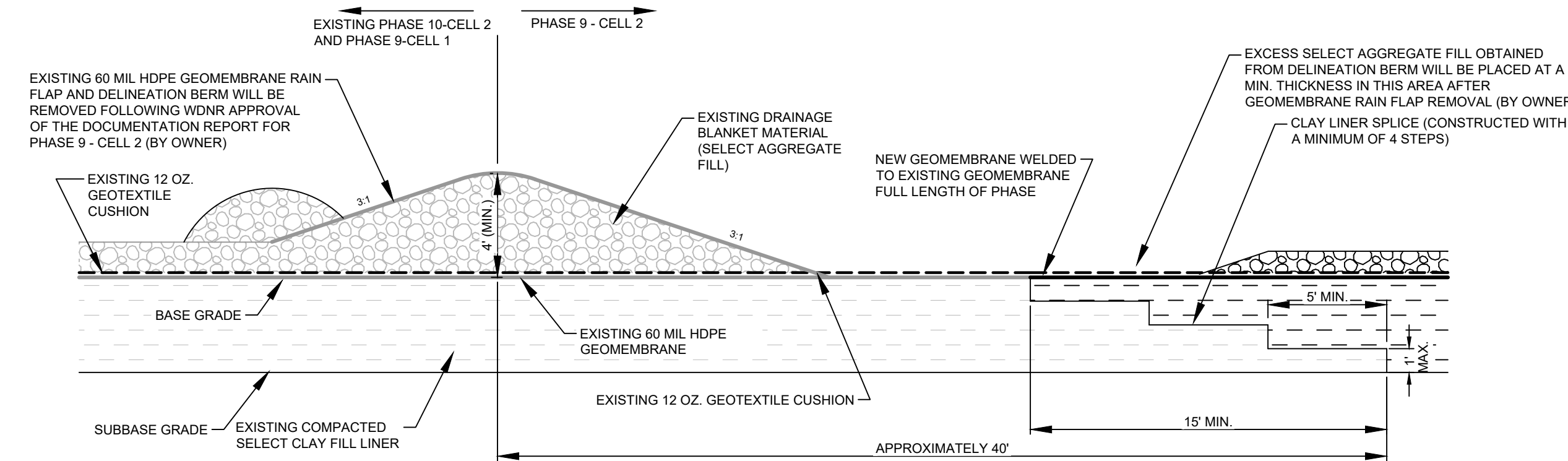
708 Heartland Trail
 Suite 3000
 Madison, WI 53717
 Phone: 608.826.3600

FILE NO.: 279395_SHT05-BG.dwg

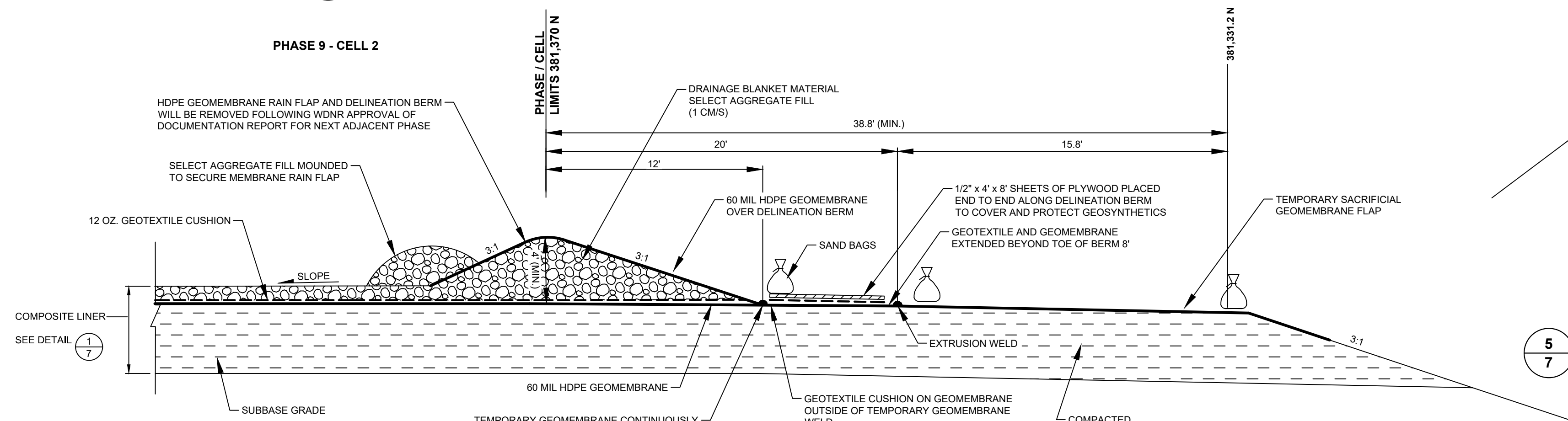
2304 - ATTACHED REF'S - Details - P9 - C2 Cross Section - ATTACHED IMAGES - PLOT DATE: January 10, 2018 - 10:29AM --- LAYOUT: Details 7
DRAWING NAME: J:\Dane County Const\000001\279395-SHTXX-DT.dwg --- P9-C2 Liner Const\000001\279395-SHTXX-DT.dwg



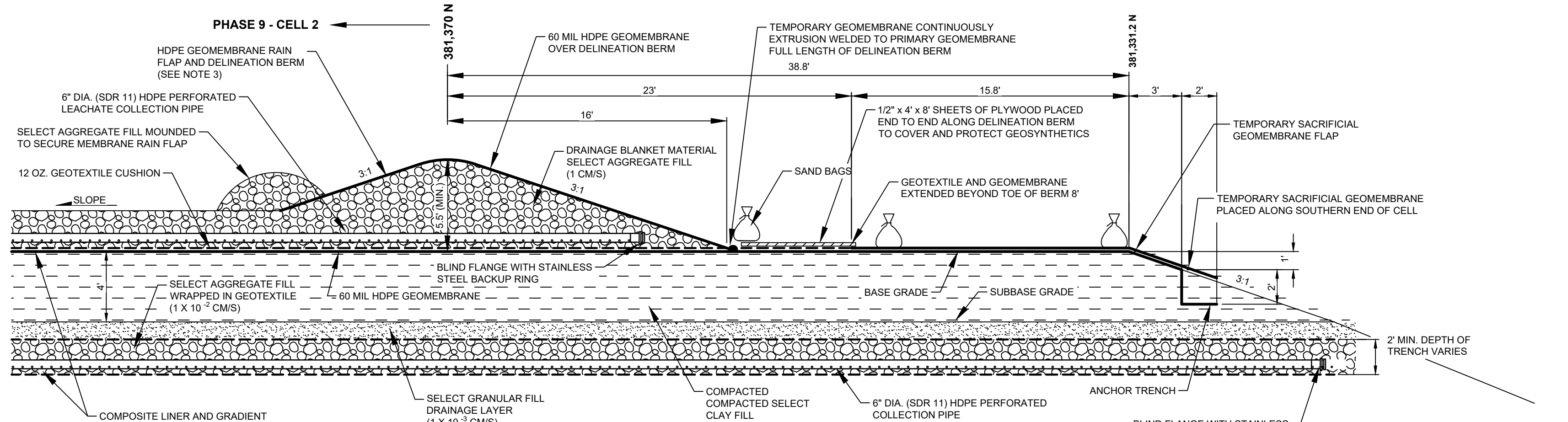
1
7 LEACHATE COLLECTION PIPE TRENCH
NOT TO SCALE



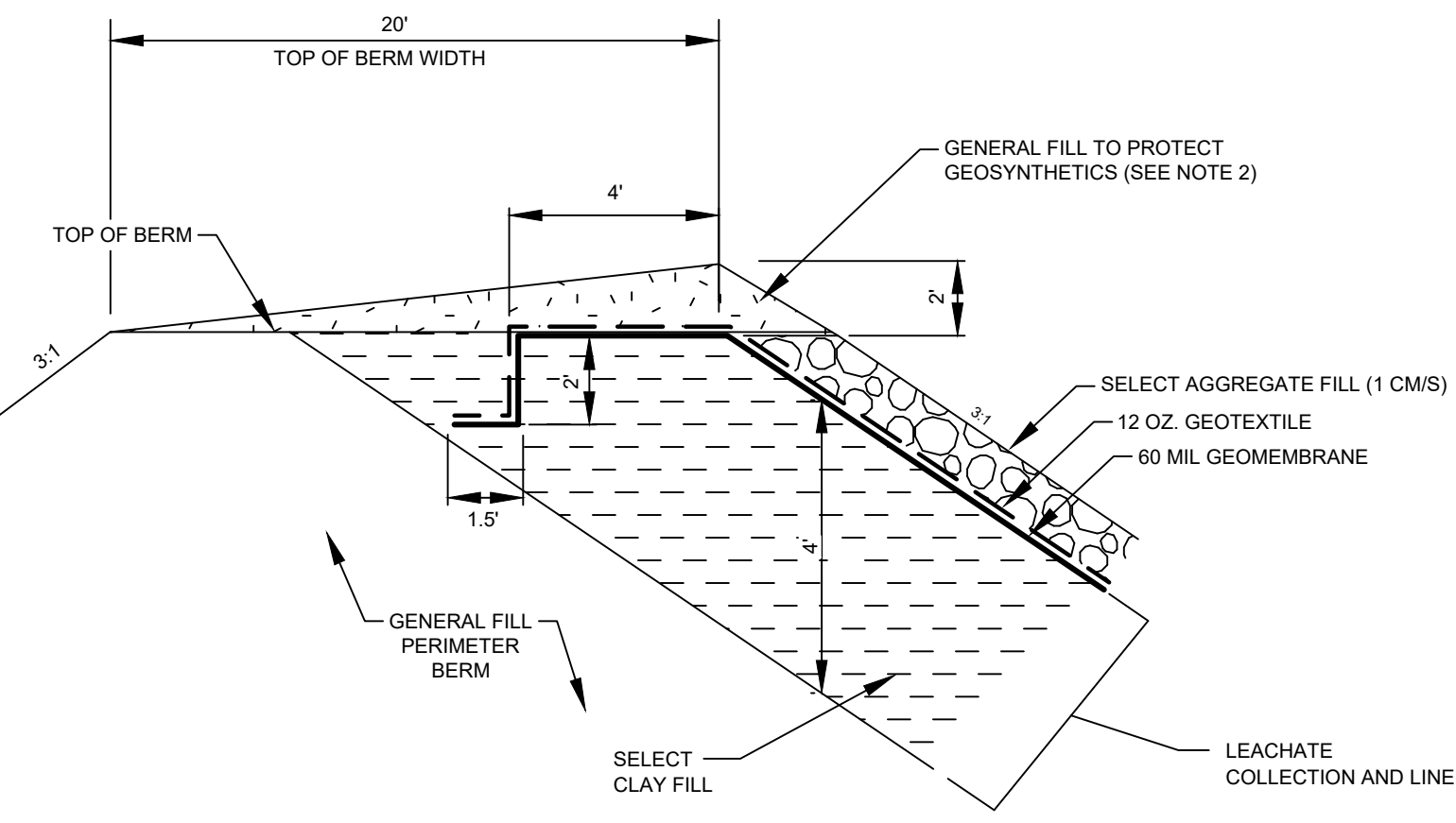
2
7 LINER SPLICE PHASE 9-CELL 2 TO PHASE 9-CELL 1 AND PHASE 10-CELL 2
NOT TO SCALE



3
7 DELINEATION BERM
NOT TO SCALE



4
7 SOUTH DELINEATION BERM AT LEACHATE PIPES
NOT TO SCALE



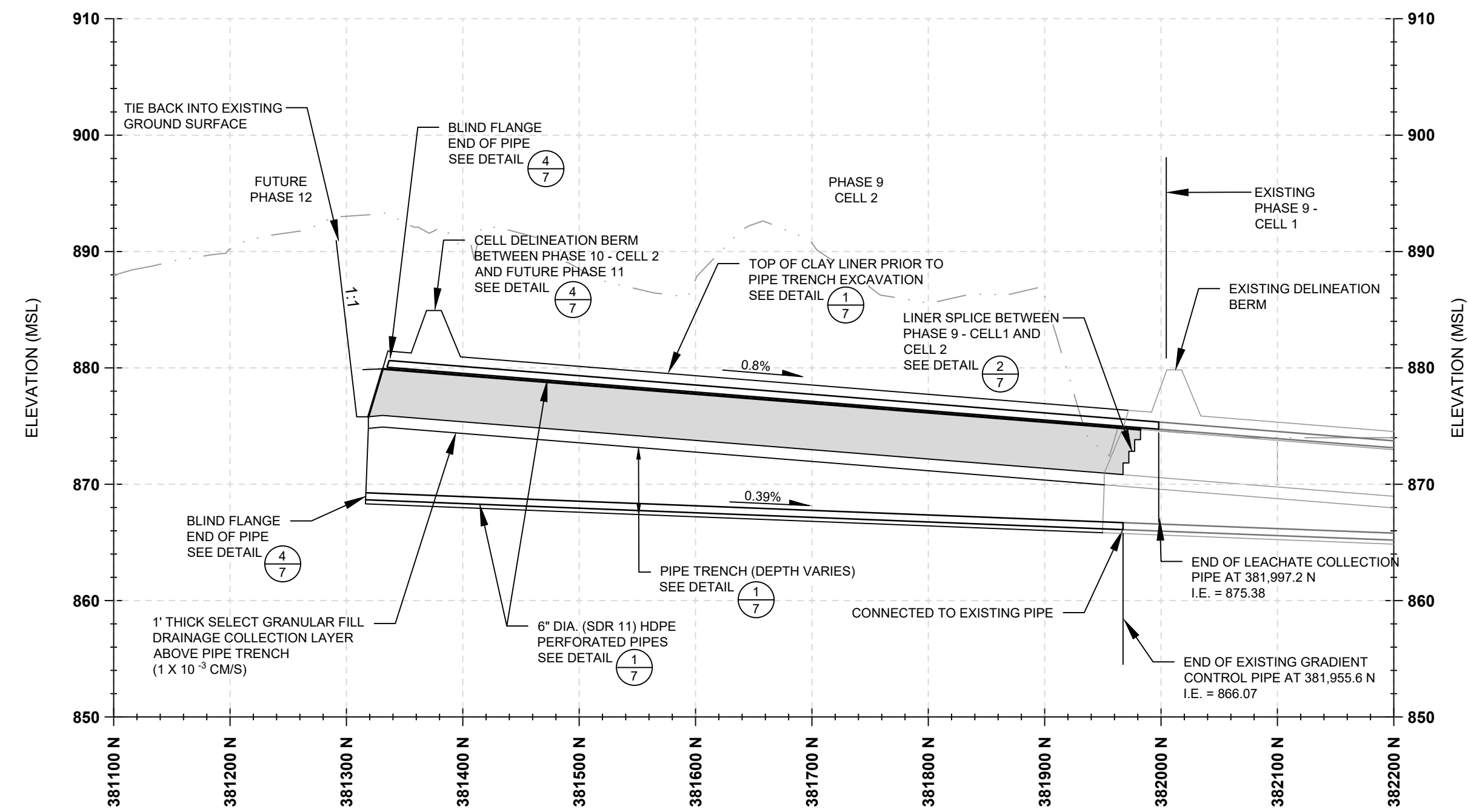
5
7 EAST PERIMETER BERM
NOT TO SCALE

LINE AND SHADING LEGEND	
	60 MIL HDPE GEOMEMBRANE
	GEOTEXTILE
	TOPSOIL
	GENERAL FILL
	SELECT GRANULAR FILL
	BARRIER LAYER FINE GRAINED SOIL
	SELECT AGGREGATE FILL
	GEOCOMPOSITE
	NATIVE SOIL
	CONCRETE
	RIPRAP
	BITUMINOUS PAVING
	COMPACTED SELECT CLAY FILL

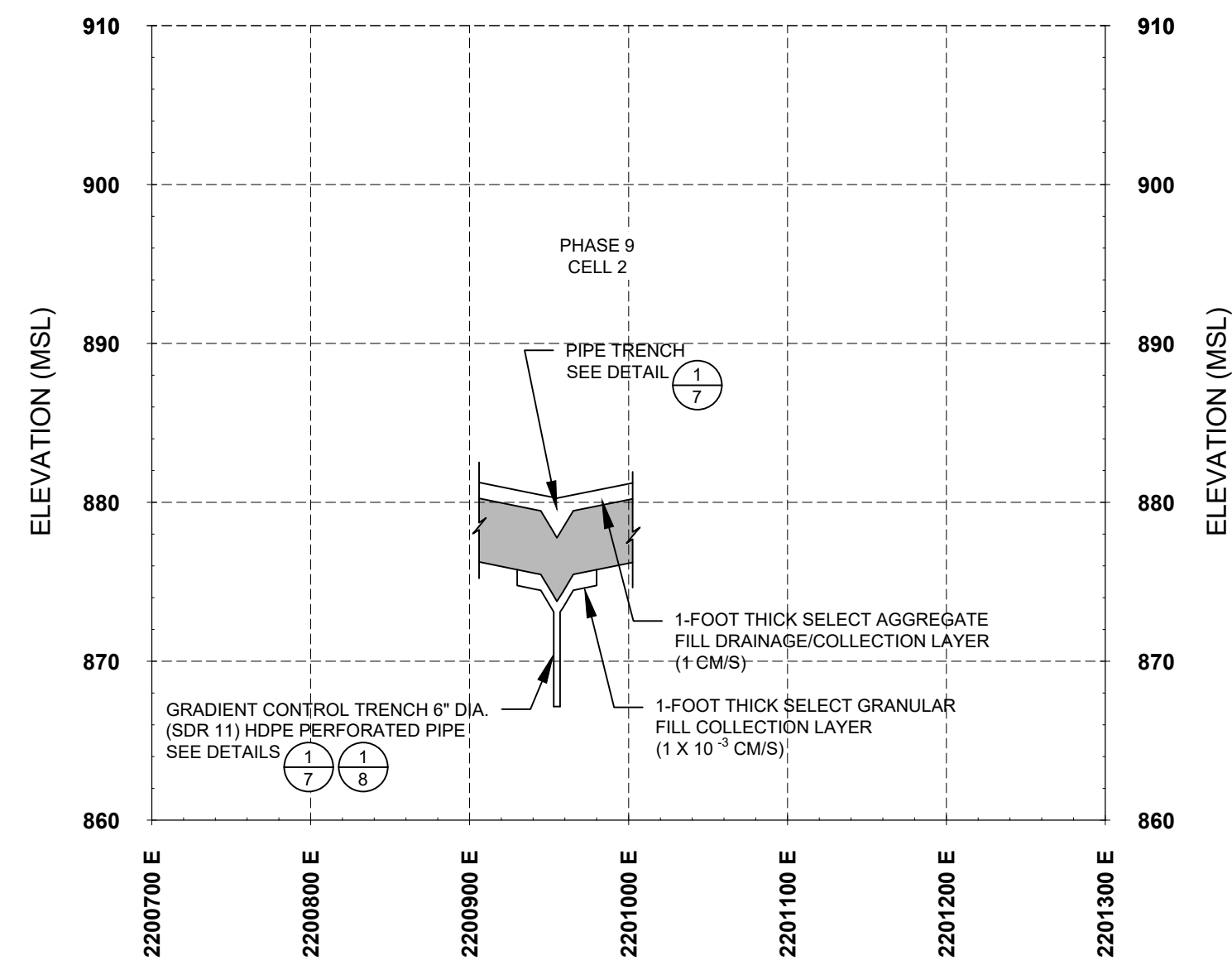
NOTE: THE CONTRACTOR SHALL NOTIFY ALL AREA UTILITY COMPANIES PRIOR TO COMMENCING WORK ON THIS CONTRACT, IN ACCORDANCE WITH STATE AND LOCAL REQUIREMENTS.
NOTE: THESE PLANS ARE ACCOMPANIED BY A PROJECT MANUAL OF THE SAME TITLE. THESE DOCUMENTS ARE INTERRELATED AND ARE INTENDED TO BE USED TOGETHER.

- NOTES:**
- NORTH TO SOUTH GEOMEMBRANE SEAMS CAN BE IN PIPE TRENCH BUT NOT AT BOTTOM OF TRENCH OR AT JUNCTION OF 6:1 AND 2% LINER SLOPES. ONE PANEL SHALL BE CENTERED RUNNING NORTH TO SOUTH IN TRENCH.
 - SCREENED INFORMATION REPRESENTS EXISTING FEATURES. BOLD INFORMATION REPRESENTS NEW FEATURES.
 - GEOMEMBRANE RESISTIVITY TESTING SHALL BE PERFORMED PRIOR TO INSTALLATION OF THE GEOMEMBRANE RAIN FLAP.
 - DO NOT INSTALL PLYWOOD, SAND BAGS AND GENERAL FILL BERMS AT TOP OF LANDFILL PERIMETER BERM TO PROTECT GEOMEMBRANE UNTIL COMPLETION OF GEOMEMBRANE ELECTRICAL RESISTIVITY TESTING.

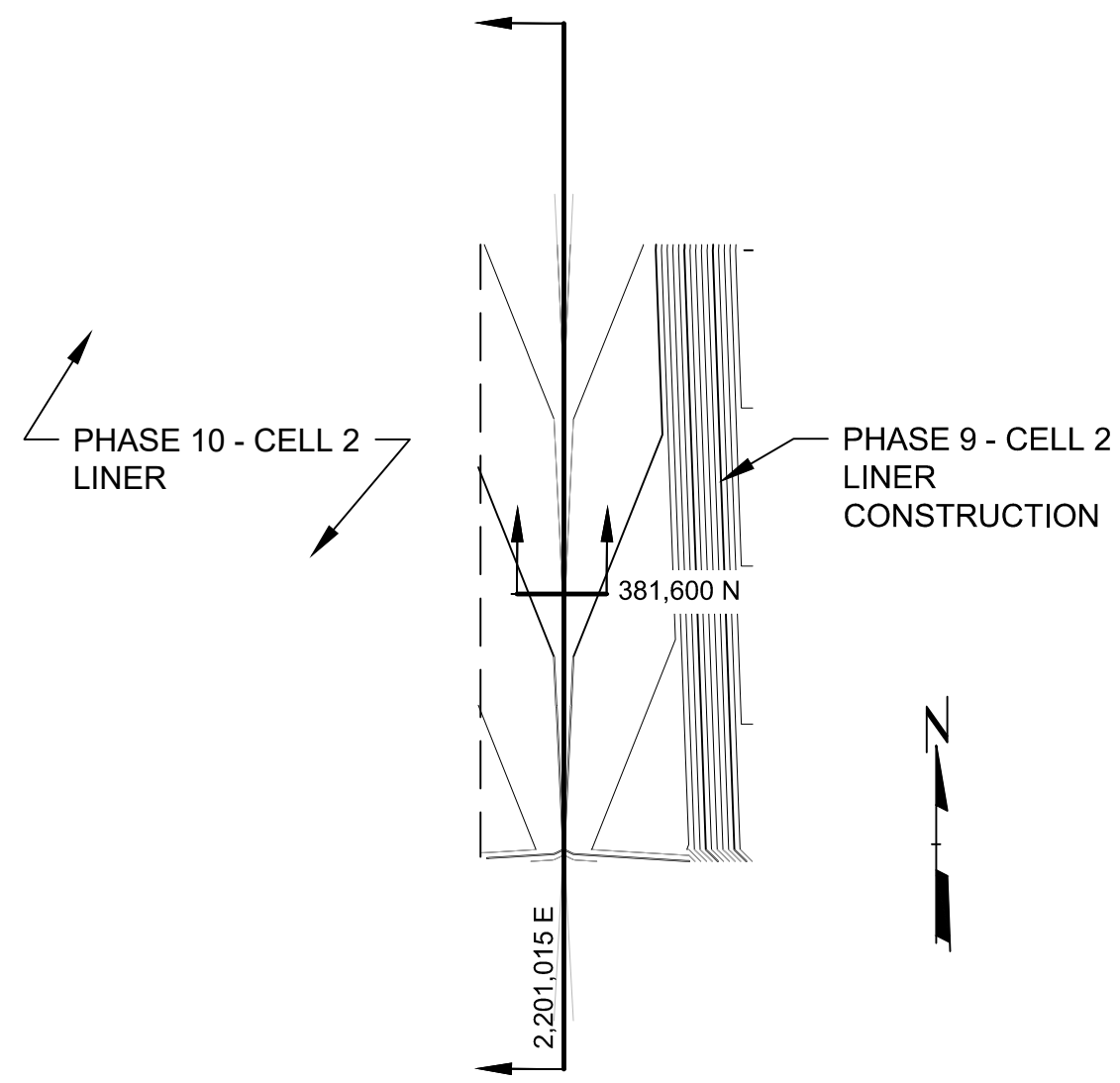
NO.	BY	DATE	REVISION	APP'D.
PROJECT: DANE COUNTY NO. 2 (RODEFELD) LANDFILL PHASE 9 - CELL 2 LINER AND STAGE 4 FINAL COVER CONSTRUCTION DANE COUNTY, WISCONSIN				
TITLE: DETAILS - LINER, GRADIENT CONTROL AND LEACHATE COLLECTION				
DRAWN BY: R. NOLDEN		PROJ. NO.: 2793950000.0000		
CHECKED BY: D. MARSHALL		SHEET 7 OF 17		
APPROVED BY: D. GENTHE				
DATE: JANUARY 2018		708 Heartland Trail Suite 3000 Madison, WI 53717 Phone: 608.826.3600		
FILE NO.: 279395-SHTXX-DT.dwg		TRC		



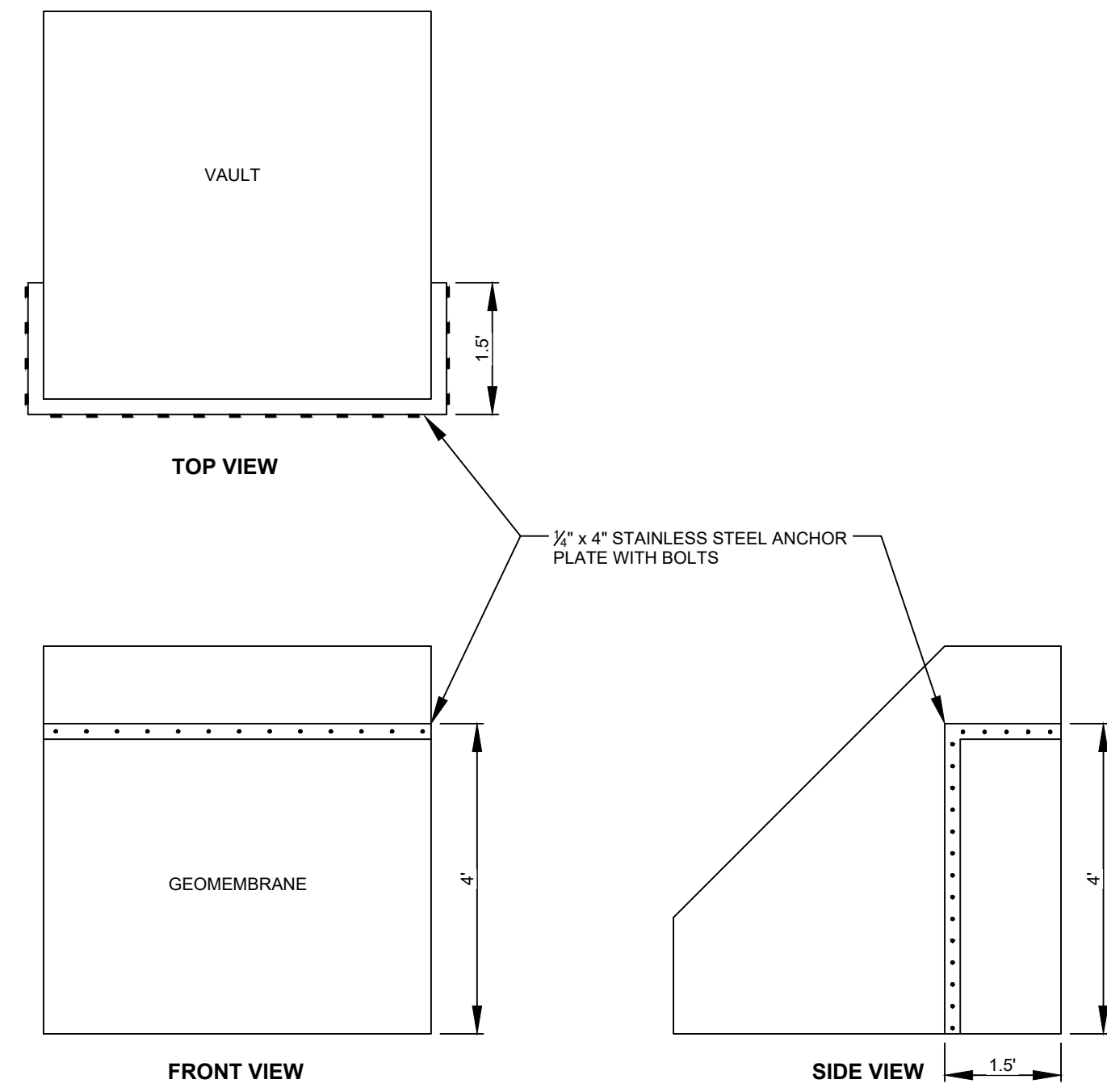
1
8
CROSS SECTION 2201015 E ALONG LEACHATE-GRADIENT CONTROL PIPES
SCALE: 1" = 100'



2
8
CROSS SECTION 381600 N LOOKING NORTH
SCALE: 1" = 100'



CROSS SECTION LOCATOR
SCALE: 1" = 200'



3
8
GEOMEMBRANE APRON FOR SIDE SLOPE RISER VAULT
NOT TO SCALE

LINE AND SHADING LEGEND			
	60 MIL HDPE GEOMEMBRANE		GEOCOMPOSITE
	GEOTEXTILE		GCL
	TOPSOIL		NATIVE SOIL
	GENERAL FILL		CONCRETE
	SELECT GRANULAR FILL		RIPRAP
	BARRIER LAYER FINE GRAINED SOIL		BITUMINOUS PAVING
	SELECT AGGREGATE FILL		COMPACTED SELECT CLAY FILL

NOTE: THE CONTRACTOR SHALL NOTIFY ALL AREA UTILITY COMPANIES PRIOR TO COMMENCING WORK ON THIS CONTRACT, IN ACCORDANCE WITH STATE AND LOCAL REQUIREMENTS.

NOTE: THESE PLANS ARE ACCOMPANIED BY A PROJECT MANUAL OF THE SAME TITLE. THESE DOCUMENTS ARE INTERRELATED AND ARE INTENDED TO BE USED TOGETHER.

NO.	BY	DATE	REVISION	APP'D.

PROJECT: **DANE COUNTY NO. 2 (RODEFELD) LANDFILL PHASE 9 - CELL 2 LINER AND STAGE 4 FINAL COVER CONSTRUCTION DANE COUNTY, WISCONSIN**

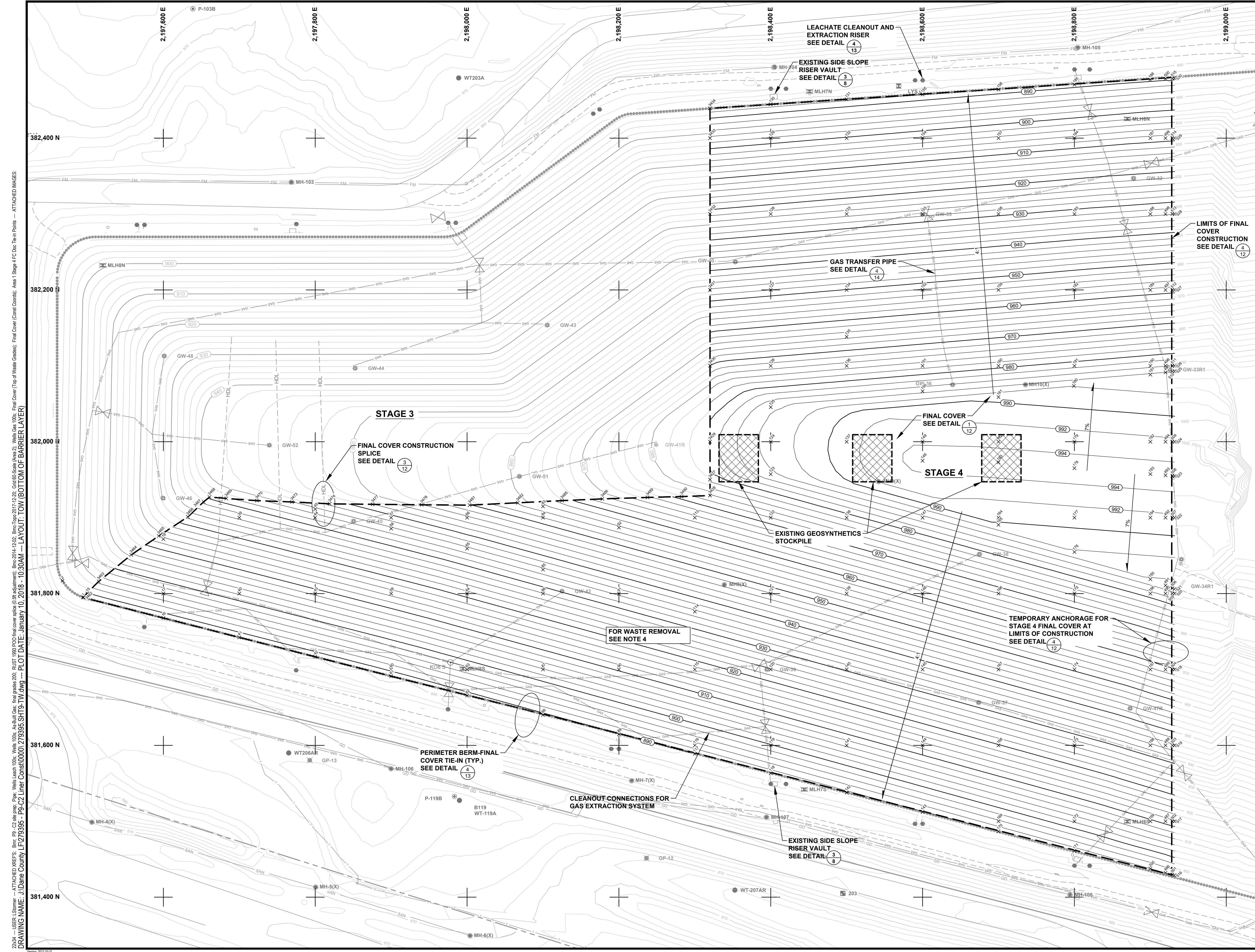
TITLE: **DETAILS AND ENGINEERING CROSS SECTIONS 2,201,015 E AND 381,600 N**

DRAWN BY:	R. NOLDEN	PROJ. NO.:	2793950000.0000
CHECKED BY:	D. MARSHALL		
APPROVED BY:	D. GENTHE		
DATE:	JANUARY 2018		

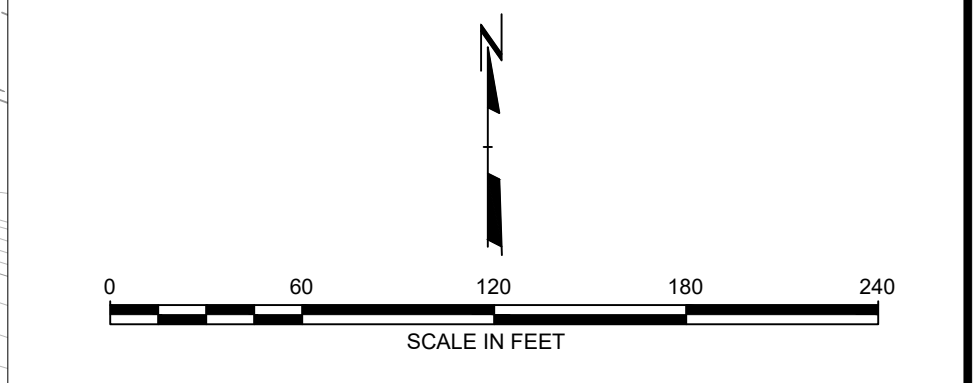
SHEET 8 OF 17

708 Heartland Trail Suite 3000 Madison, WI 53717 Phone: 608.826.3600

FILE NO.: 279395.SHTXX-DT.dwg



- NOTES**
1. PERMITTED LIMITS OF WASTE AND FINAL COVER GRADES FROM "DANE COUNTY LANDFILL CITY OF MADISON RODEFELD SITE PLAN OF OPERATION" PREPARED BY RUST DATED NOVEMBER, 1993.
 2. PROPOSED GRADES REPRESENT TOP OF APPROVED WASTE GRADES.
 3. GAS SYSTEM UTILITY LOCATIONS PROVIDED BY THE DANE COUNTY PUBLIC WORKS DEPARTMENT.
 4. CONSULT WITH OWNER PRIOR TO ANY WASTE REMOVAL ACTIVITIES.

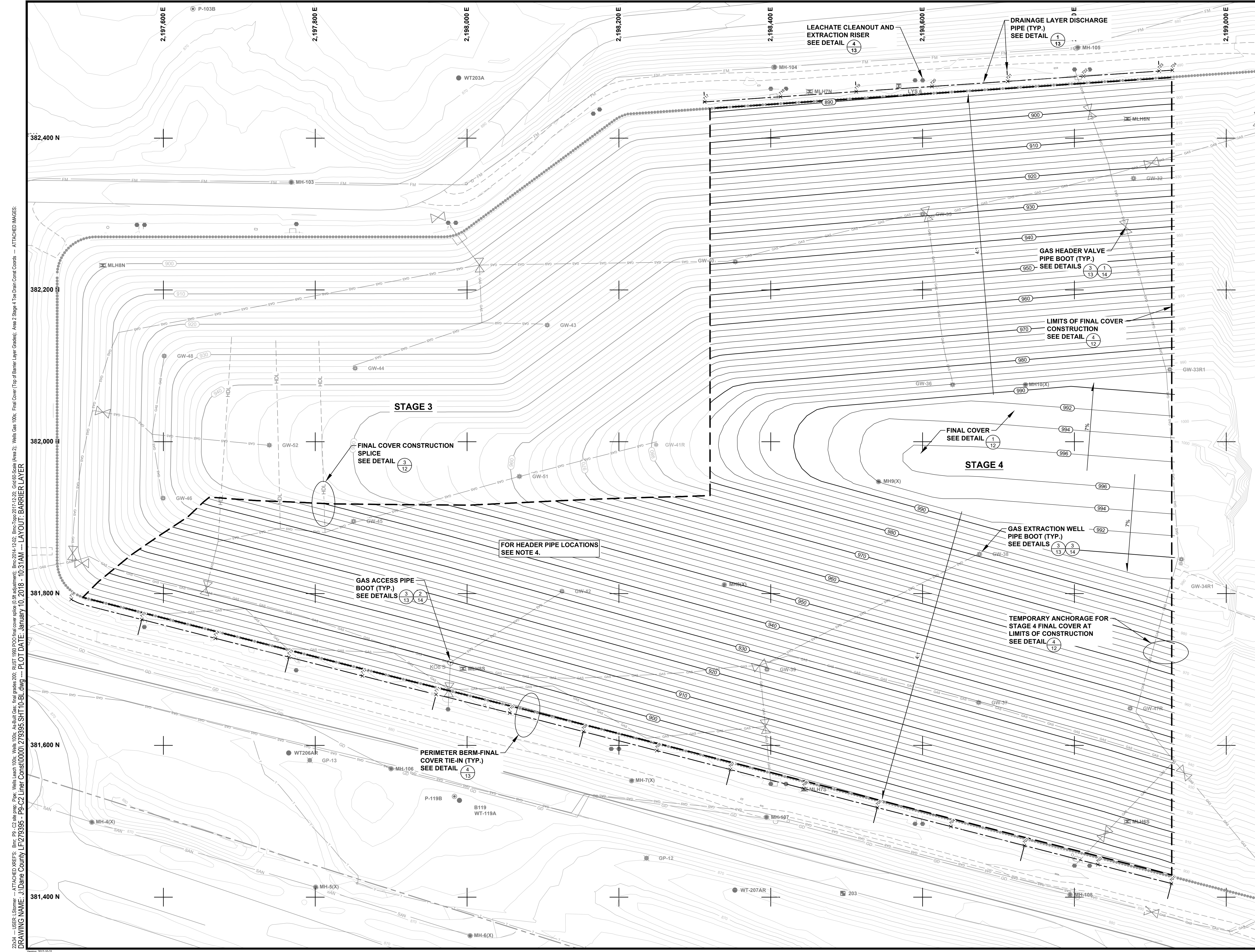


NOTE: THE CONTRACTOR SHALL NOTIFY ALL AREA UTILITY COMPANIES PRIOR TO COMMENCING WORK ON THIS CONTRACT, IN ACCORDANCE WITH STATE AND LOCAL REQUIREMENTS.

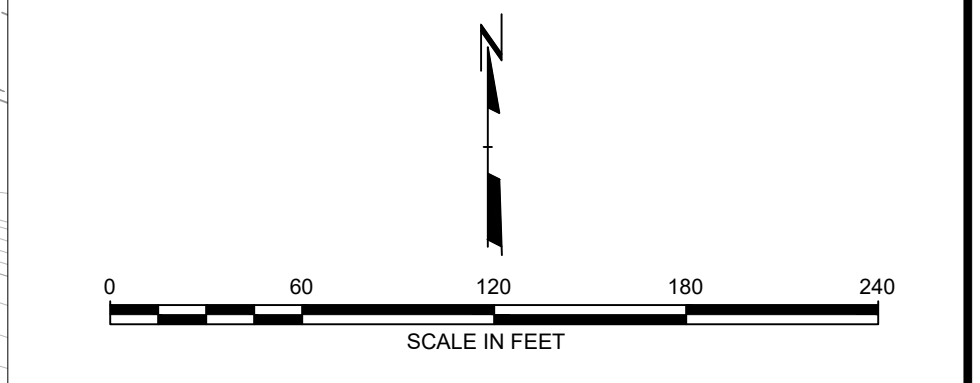
NOTE: THESE PLANS ARE ACCOMPANIED BY A PROJECT MANUAL OF THE SAME TITLE. THESE DOCUMENTS ARE INTERRELATED AND ARE INTENDED TO BE USED TOGETHER.

NO.	BY	DATE	REVISION	APPD.
PROJECT: DANE COUNTY NO. 2 (RODEFELD) LANDFILL PHASE 9 - CELL 2 LINER AND STAGE 4 FINAL COVER CONSTRUCTION DANE COUNTY, WISCONSIN				
TITLE: FINAL COVER TOP OF GRADING LAYER (BOTTOM OF BARRIER LAYER)				
DRAWN BY: R. NOLDEN		PROJ. NO.: 2793950000.0000		
CHECKED BY: D. MARSHALL		SHEET 9 OF 17		
APPROVED BY: D. GENTHE				
DATE: JANUARY 2018		FILE NO.: 279395.SHT9-TW.dwg		

2534 -- USER: LStomer -- ATTACHED SHEETS: Bmr; P9 - C2 sep prep; P10; Wells Leach 100s; As-Built Gas; final grades 200; RUST 1993 POD final cover slope (0.5% adjustment); Brc; 2014-12-02; Einc; Topo 2017-12-20; Grid 80 Scale (Area 2); Wells Gas 100s; Final Cover (Top of Waste Grades); Final Cover (Const Coord); Area 1 Stage 4 FC; Top Points -- ATTACHED IMAGES:
 DRAWING NAME: J:\Dane County LF279395 - P9-C2 Liner Const\100000\279395.SHT9-TW.dwg -- PLOT DATE: January 10, 2018 - 10:30AM -- LAYOUT: TOW (BOTTOM OF BARRIER LAYER)



- ### NOTES
1. PERMITTED LIMITS OF WASTE AND FINAL COVER GRADES FROM "DANE COUNTY LANDFILL CITY OF MADISON RODEFELD SITE PLAN OF OPERATION" PREPARED BY RUST DATED NOVEMBER, 1993.
 2. PROPOSED GRADES REPRESENT TOP OF APPROVED BARRIER LAYER GRADES.
 3. GAS SYSTEM UTILITY LOCATIONS PROVIDED BY THE DANE COUNTY PUBLIC WORKS DEPARTMENT.
 4. HEADER PIPES ARE SHALLOW. CONTRACTOR TO HAND DIG AROUND GAS HEADER PIPING.



NOTE: THE CONTRACTOR SHALL NOTIFY ALL AREA UTILITY COMPANIES PRIOR TO COMMENCING WORK ON THIS CONTRACT, IN ACCORDANCE WITH STATE AND LOCAL REQUIREMENTS.

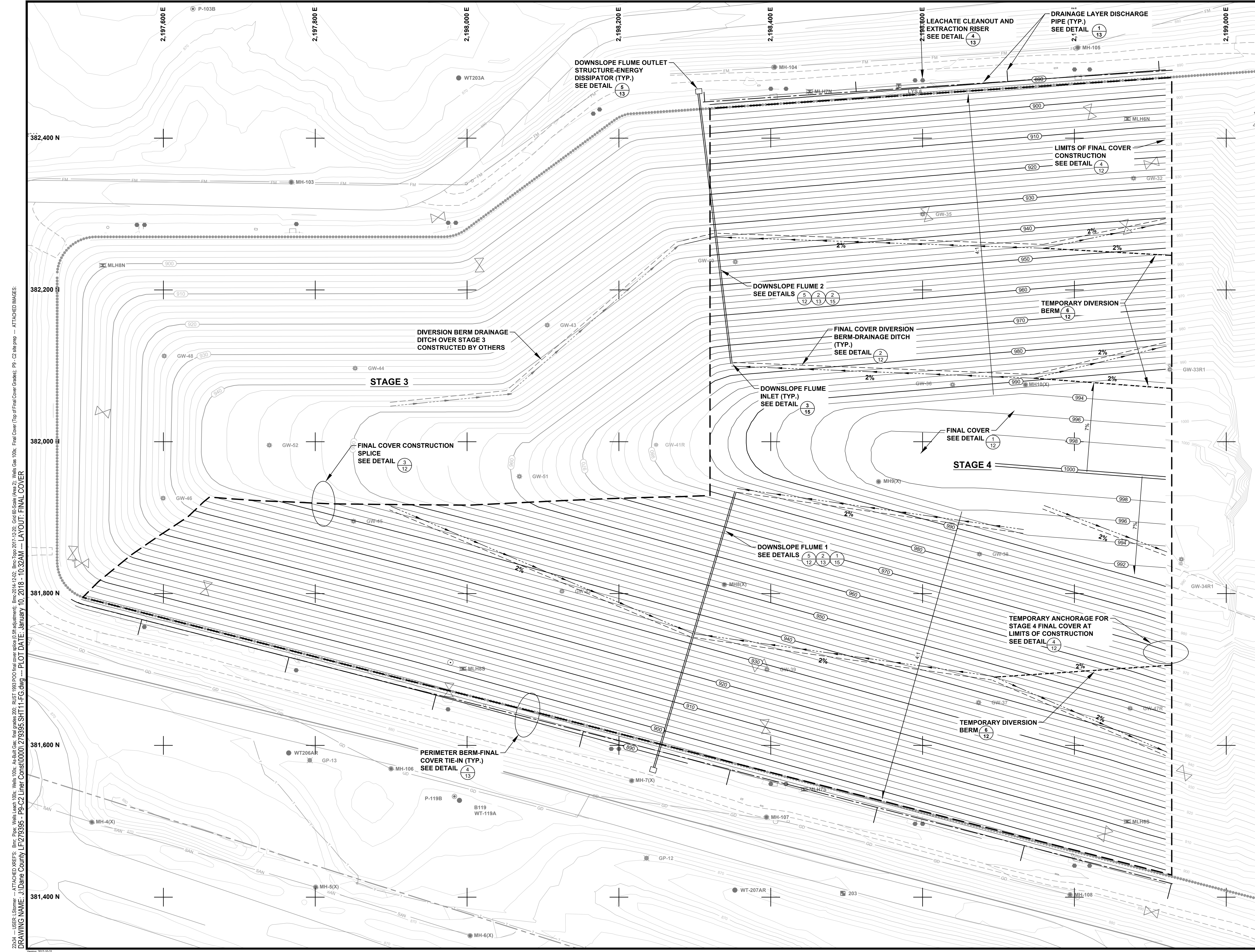
NOTE: THESE PLANS ARE ACCOMPANIED BY A PROJECT MANUAL OF THE SAME TITLE. THESE DOCUMENTS ARE INTERRELATED AND ARE INTENDED TO BE USED TOGETHER.

NO.	BY	DATE	REVISION	APP'D.
PROJECT: DANE COUNTY NO. 2 (RODEFELD) LANDFILL PHASE 9 - CELL 2 LINER AND STAGE 4 FINAL COVER CONSTRUCTION DANE COUNTY, WISCONSIN				
TITLE: FINAL COVER SUBBASE GRADES (TOP OF BARRIER LAYER)				
DRAWN BY: R. NOLDEN		PRJ. NO.: 2793950000.0000		
CHECKED BY: D. MARSHALL		SHEET 10 OF 17		
APPROVED BY: D. GENTHE				
DATE: JANUARY 2018				

708 Heartland Trail
Suite 3000
Madison, WI 53717
Phone: 608.826.3800

FILE NO.: 279395.SHT10-BL.dwg

2264 --- USER: LStormer --- ATTACHED SHEETS: Bmr, P9-C2 sub prep, Pwr, Wells Leach 100s, As-Built Gas, final grades 200, RUST 1998 POD final cover splice (0.5ft adjustment), Brac 2014-12-02, Einc-Topic 2017-12-20, Grad 60-50 Scale (Area 2), Wells Gas 100s, Final Cover (Top of Barrier Layer Grades), Area 2 Stage 4 Top of Barrier Layer Grades, Area 2 Stage 4 Top of Barrier Layer Grades --- ATTACHED IMAGES: DRAWING NAME: J:\Dane County LF279395 - P9-C2 Liner Const\100000\279395.SHT10-BL.dwg --- PLOT DATE: January 10, 2018 - 10:37 AM --- LAYOUT: BARRIER LAYER




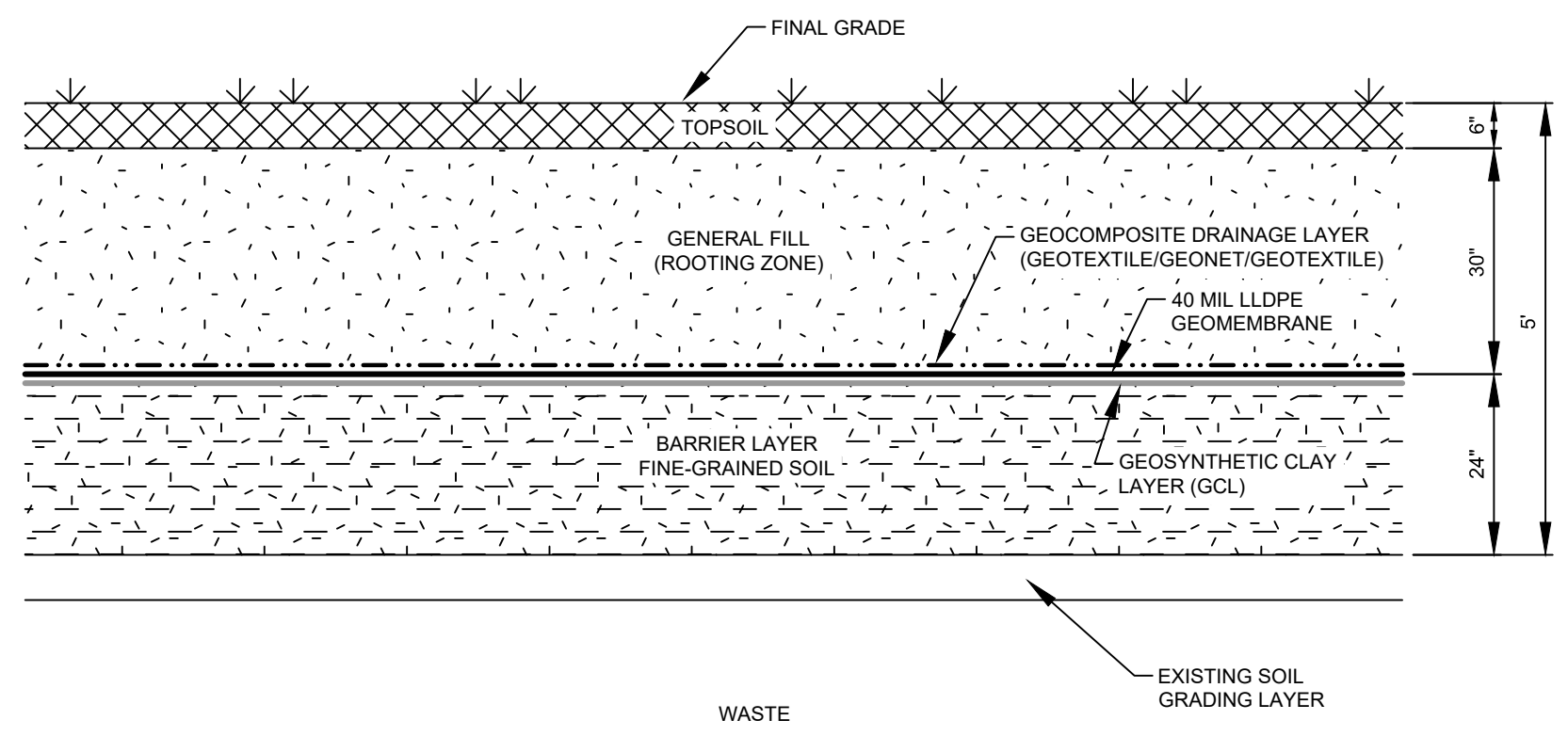
- NOTES**
1. PERMITTED LIMITS OF WASTE AND FINAL COVER GRADES FROM "DANE COUNTY LANDFILL CITY OF MADISON RODEFELD SITE PLAN OF OPERATION" PREPARED BY RUST DATED NOVEMBER, 1993.
 2. PROPOSED GRADES REPRESENT TOP OF APPROVED FINAL COVER (TOP OF TOPSOIL) LAYER GRADES.
 3. GAS SYSTEM UTILITY LOCATIONS PROVIDED BY THE DANE COUNTY PUBLIC WORKS DEPARTMENT.

2534 -- USER: LStomer -- ATTACHED SHEETS: Bmr, Pgr, Wlls, Lach, 100s, Wlls, 100s, A-Built Gas, Final Grades 200, RUST 1993 P.O.D final cover splice (0.8ft adjustment), Bmc, 2014, 12, 02, Bmc, Topo 2017, 12, 20, Grc, 03, Scale, Area 21, Wlls, Gas, 100s, Final Cover (Top of Final Cover Grades), P9 - C2 sub prep -- ATTACHED IMAGES:
 DRAWING NAME: J:\Dane County LF279395 - P9-C2 Liner Const\000000\279395_SHT11-FG.dwg -- PLOT DATE: January 10, 2018 - 10:32AM -- LAYOUT: FINAL COVER
 Version: 2017.02.01

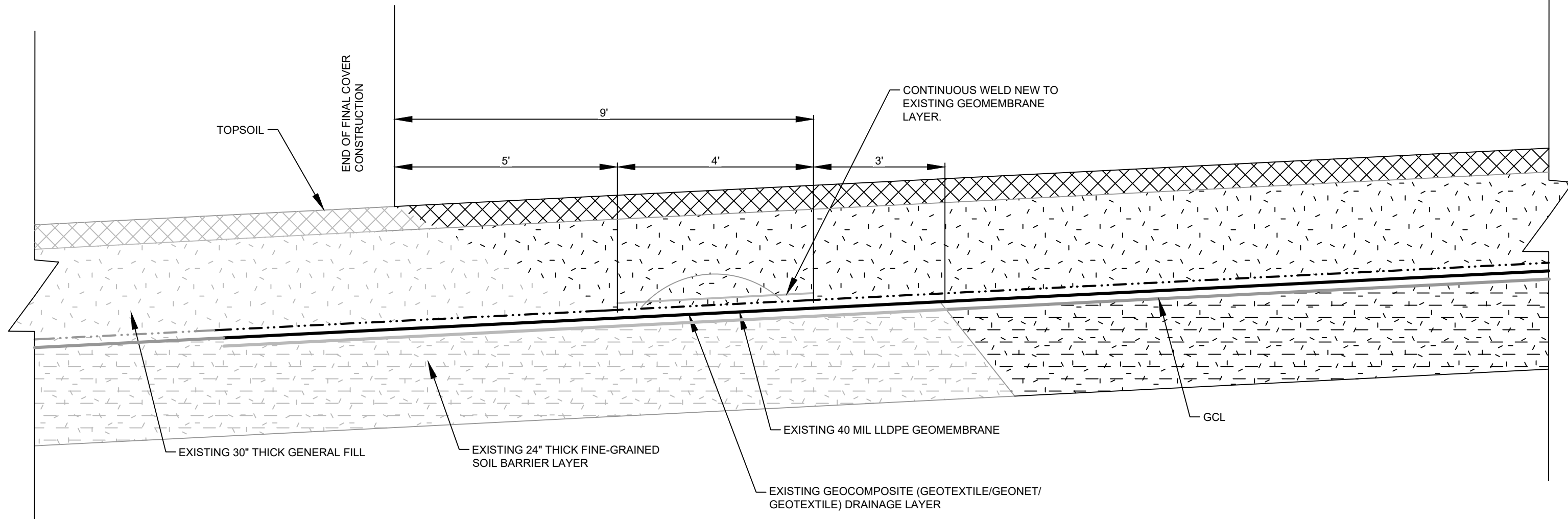
NOTE: THE CONTRACTOR SHALL NOTIFY ALL AREA UTILITY COMPANIES PRIOR TO COMMENCING WORK ON THIS CONTRACT, IN ACCORDANCE WITH STATE AND LOCAL REQUIREMENTS.

NOTE: THESE PLANS ARE ACCOMPANIED BY A PROJECT MANUAL OF THE SAME TITLE. THESE DOCUMENTS ARE INTERRELATED AND ARE INTENDED TO BE USED TOGETHER.

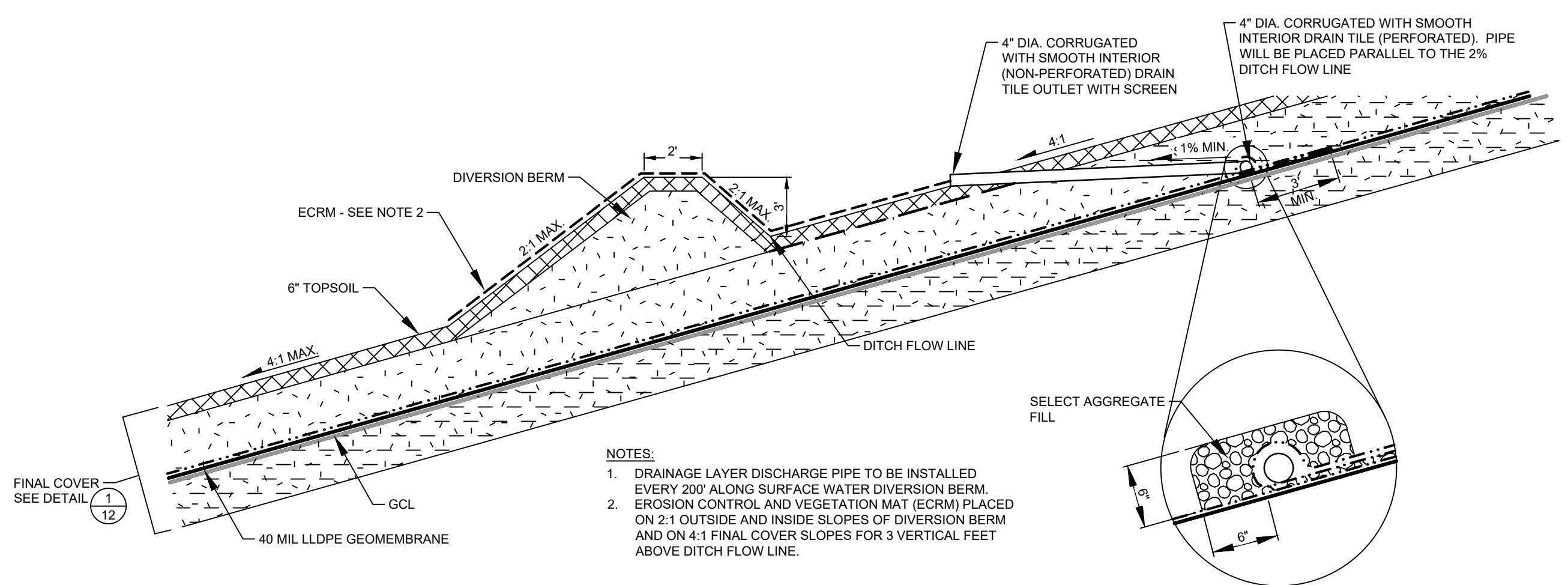
NO.	BY	DATE	REVISION	APPD.
PROJECT: DANE COUNTY NO. 2 (RODEFELD) LANDFILL PHASE 9 - CELL 2 LINER AND STAGE 4 FINAL COVER CONSTRUCTION DANE COUNTY, WISCONSIN				
TITLE: TOP OF FINAL COVER GRADES				
DRAWN BY: R. NOLDEN		PROJ. NO.: 2793950000.0000		
CHECKED BY: D. MARSHALL		SHEET 11 OF 17		
APPROVED BY: D. GENTHE				
DATE: JANUARY 2018		 708 Heartland Trail Suite 3000 Madison, WI 53717 Phone: 608.826.3600		
FILE NO.:		279395_SHT11-FG.dwg		



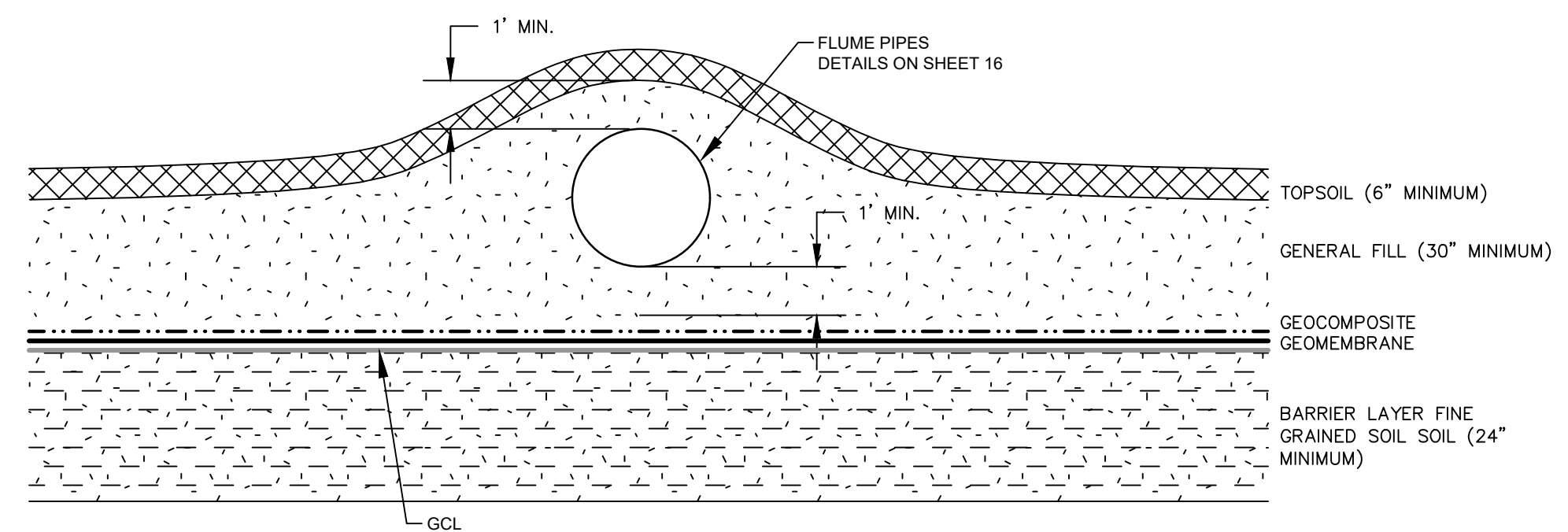
1
12 **FINAL COVER DESIGN**
NOT TO SCALE



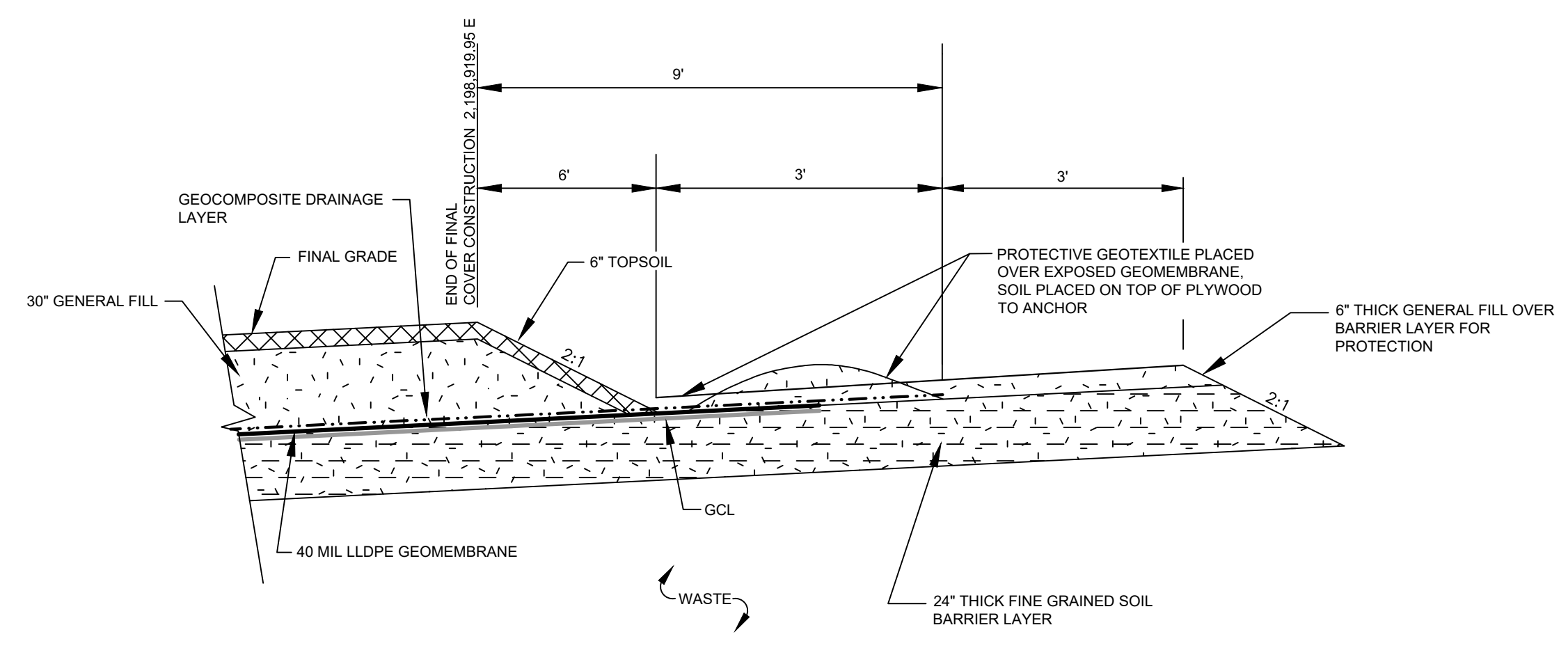
3
12 **FINAL COVER CONSTRUCTION SPLICE (TYP.)**
NOT TO SCALE



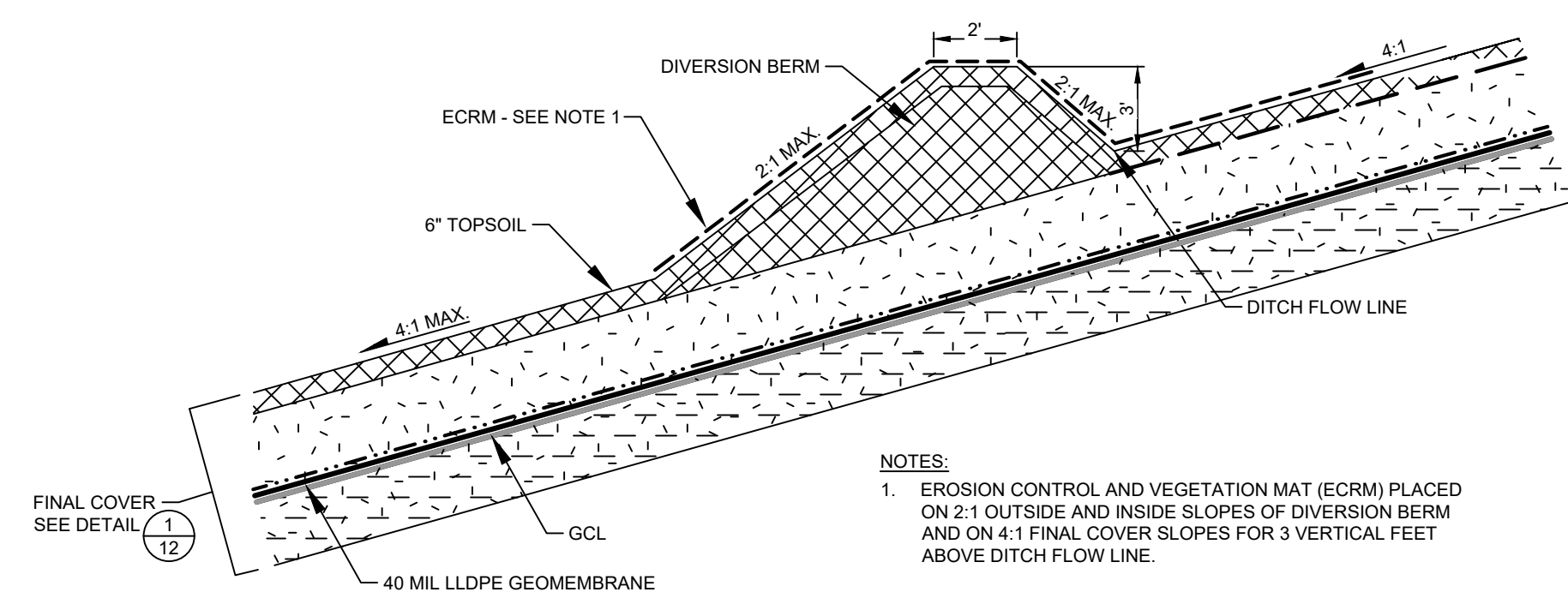
2
12 **FINAL COVER DIVERSION BERM-DRAINAGE DITCH**
NOT TO SCALE



5
12 **DOWNSLOPE FLUME SECTION A-A'**
NOT TO SCALE



4
12 **AREA 2 FINAL COVER TERMINATION**
NOT TO SCALE



6
12 **TEMPORARY FINAL COVER DIVERSION BERM-DRAINAGE DITCH**
NOT TO SCALE

NOTE:
EVERYTHING SCREENED REPRESENTS EXISTING FINAL COVER.
EVERYTHING BOLD REPRESENTS CONNECTION OF NEW FINAL COVER.

LINE AND SHADING LEGEND	
	60 MIL HDPE GEOMEMBRANE
	GEOCOMPOSITE
	GEOTEXTILE
	GCL
	TOPSOIL
	NATIVE SOIL
	GENERAL FILL
	CONCRETE
	SELECT GRANULAR FILL
	RIPRAP
	BARRIER LAYER FINE GRAINED SOIL
	BITUMINOUS PAVING
	SELECT AGGREGATE FILL
	COMPACTED SELECT CLAY FILL

NOTE: THE CONTRACTOR SHALL NOTIFY ALL AREA UTILITY COMPANIES PRIOR TO COMMENCING WORK ON THIS CONTRACT, IN ACCORDANCE WITH STATE AND LOCAL REQUIREMENTS.

NOTE: THESE PLANS ARE ACCOMPANIED BY A PROJECT MANUAL OF THE SAME TITLE. THESE DOCUMENTS ARE INTERRELATED AND ARE INTENDED TO BE USED TOGETHER.

NO.	BY	DATE	REVISION	APP'D.

PROJECT: **DANE COUNTY NO. 2 (RODEFELD) LANDFILL
PHASE 9 - CELL 2 LINER AND STAGE 4
FINAL COVER CONSTRUCTION
DANE COUNTY, WISCONSIN**

TITLE: **DETAILS - FINAL COVER SYSTEM**

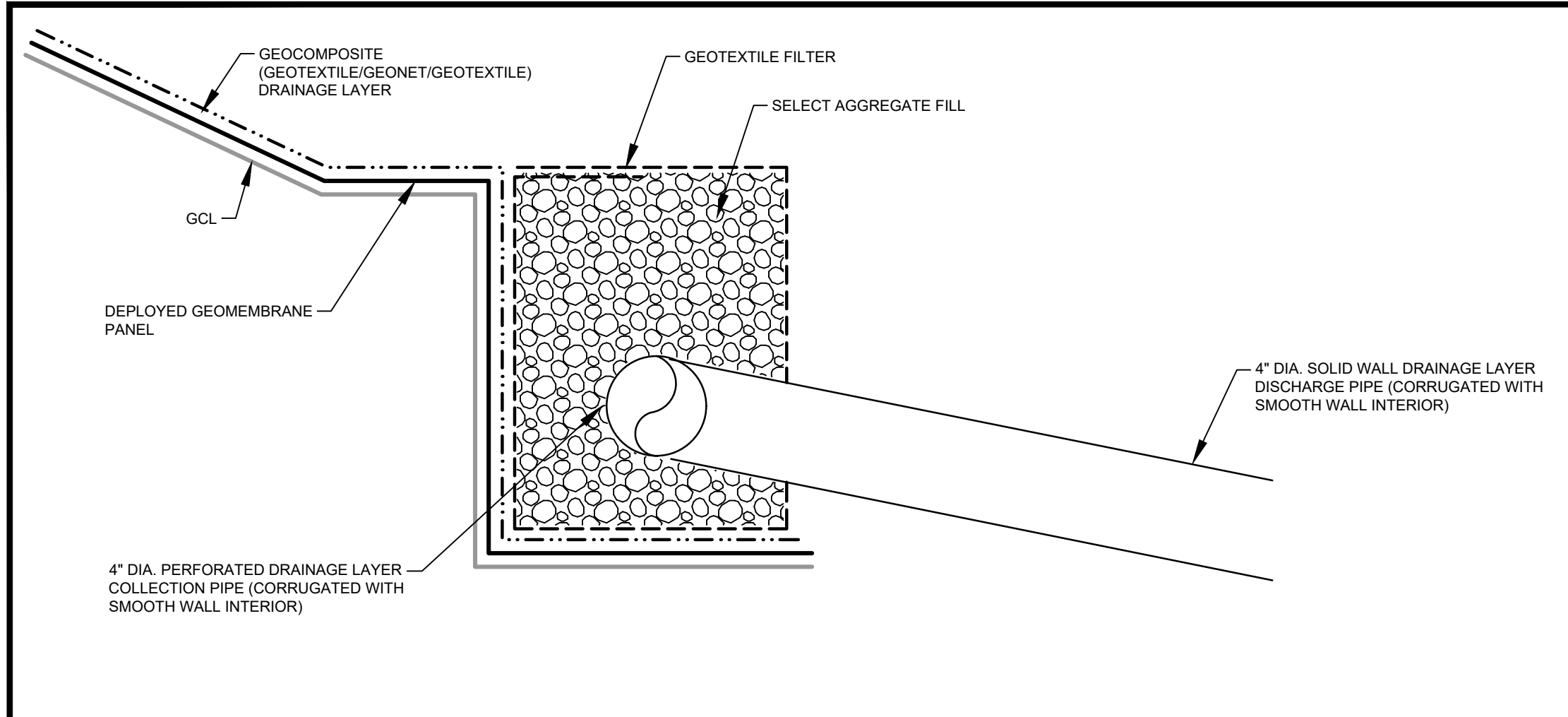
DRAWN BY: R. NOLDEN	PROJ. NO.: 2793950000.0000
CHECKED BY: D. MARSHALL	SHEET 12 OF 17
APPROVED BY: D. GENTHE	
DATE: JANUARY 2018	

708 Heartland Trail
Suite 3000
Madison, WI 53717
Phone: 608.826.3600

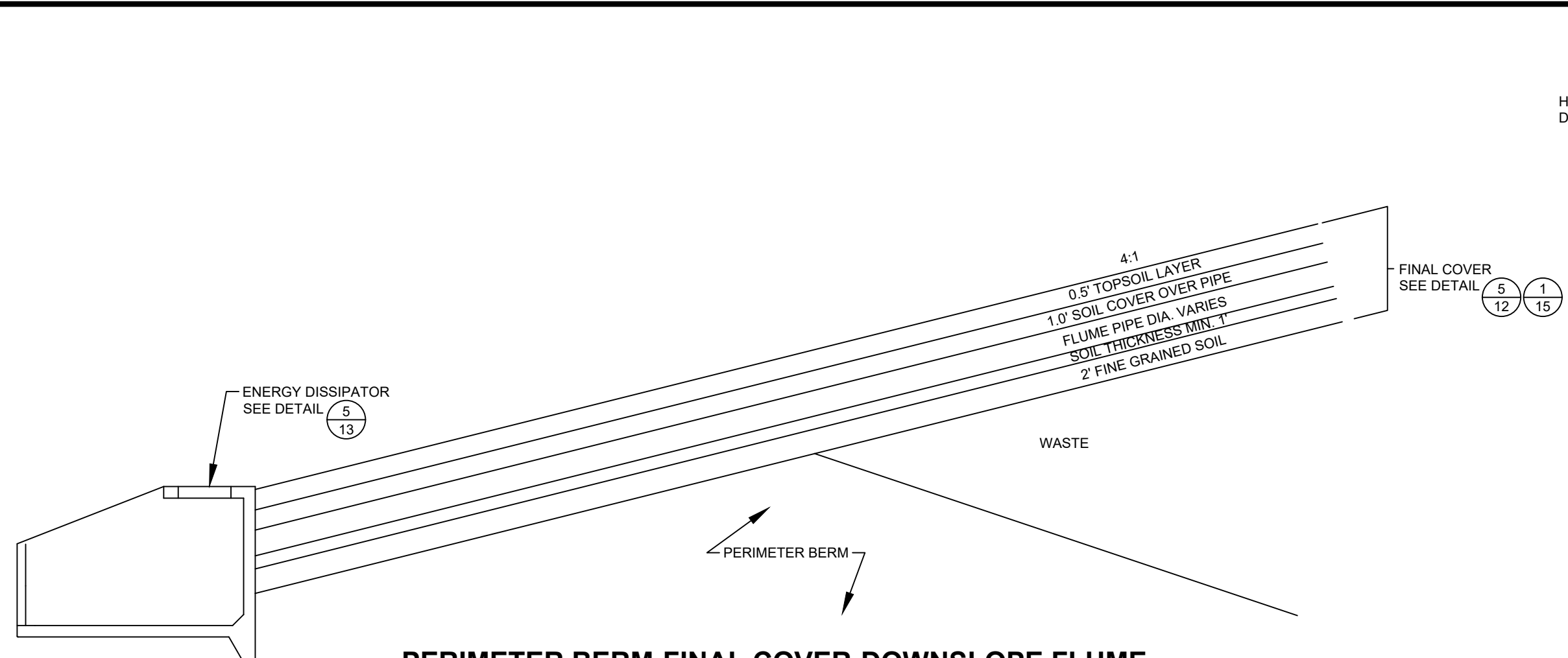
FILE NO.: 279395.SHTXX-DT.dwg

2264 ... ATTACHED XREFS: Details_VIEWS: P9 - C2 Cross Section - ATTACHED IMAGES: DRAWING NAME: J:\Dane County LF1278395 - P9-C2 Liner Const\000001\279395.SHTXX-DT.dwg --- PLOT DATE: January 10, 2018 - 10:32AM --- LAYOUT: 12 Details

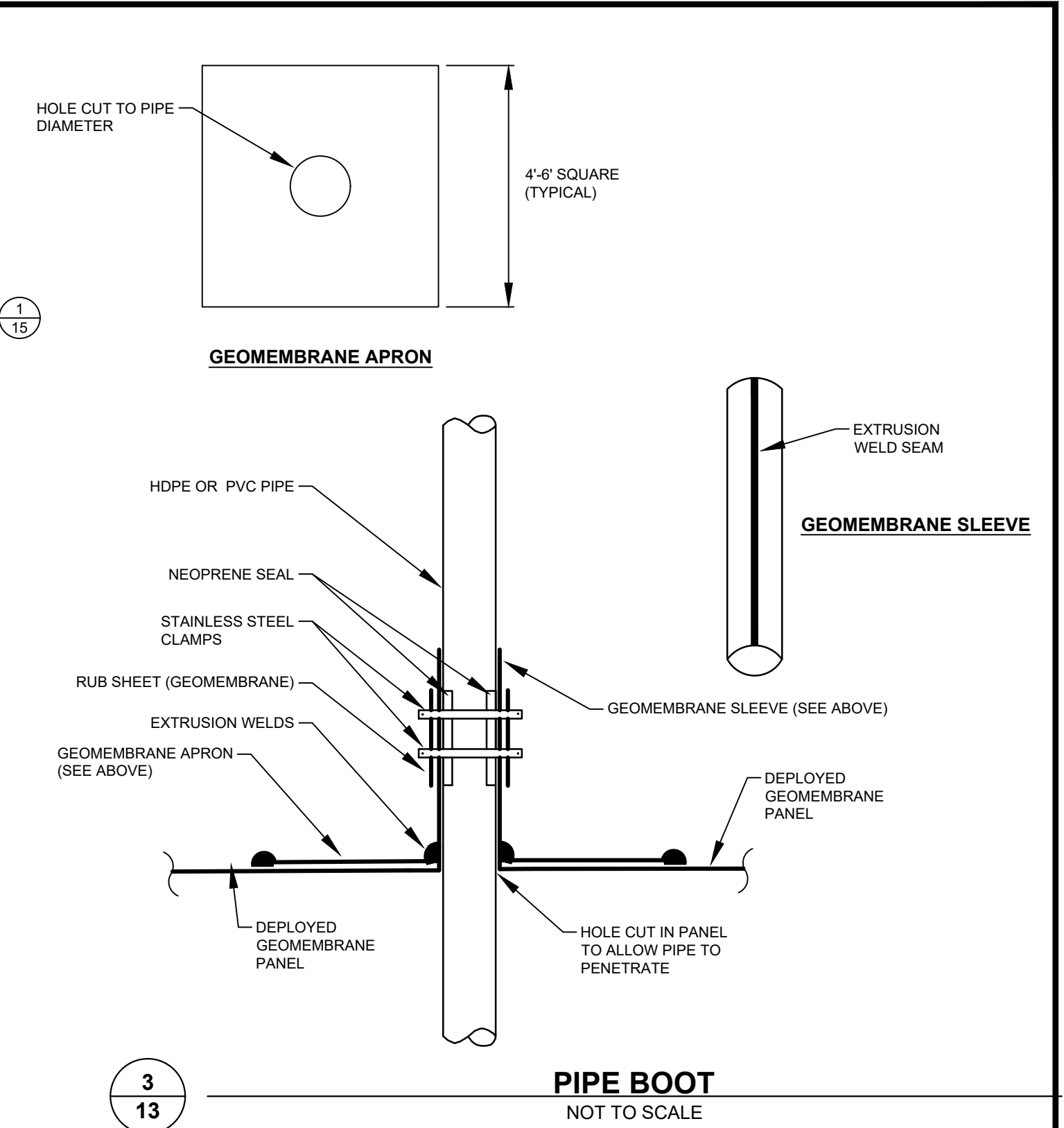
2/24/18 - ATTACHED XREFS - Details Views - PG - C2 Cross Section - ATTACHED IMAGES - DRAWING NAME - J:\Dane County LF1278395 - P9-C2 Liner Const\000001\279395-SHTXX-DT.dwg --- PLOT DATE: January 10, 2018 - 10:32AM --- LAYOUT: 13 Details



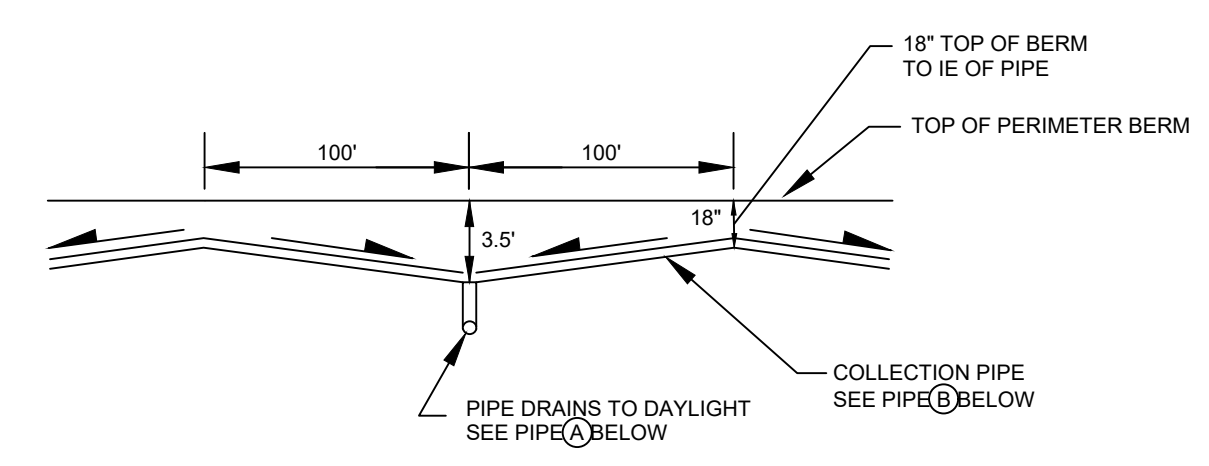
1
13
DRAINAGE LAYER DISCHARGE PIPE
NOT TO SCALE



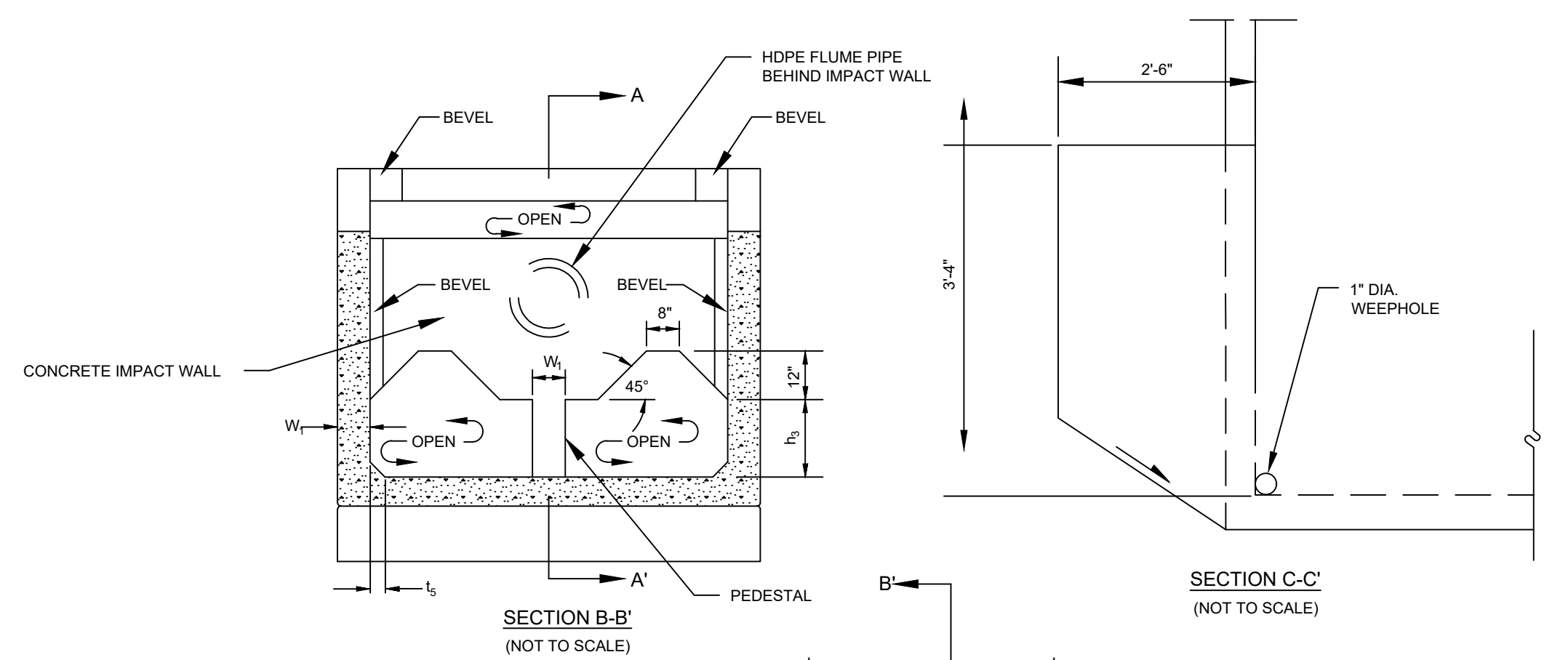
2
13
PERIMETER BERM-FINAL COVER-DOWNSLOPE FLUME (TYP.)
NOT TO SCALE



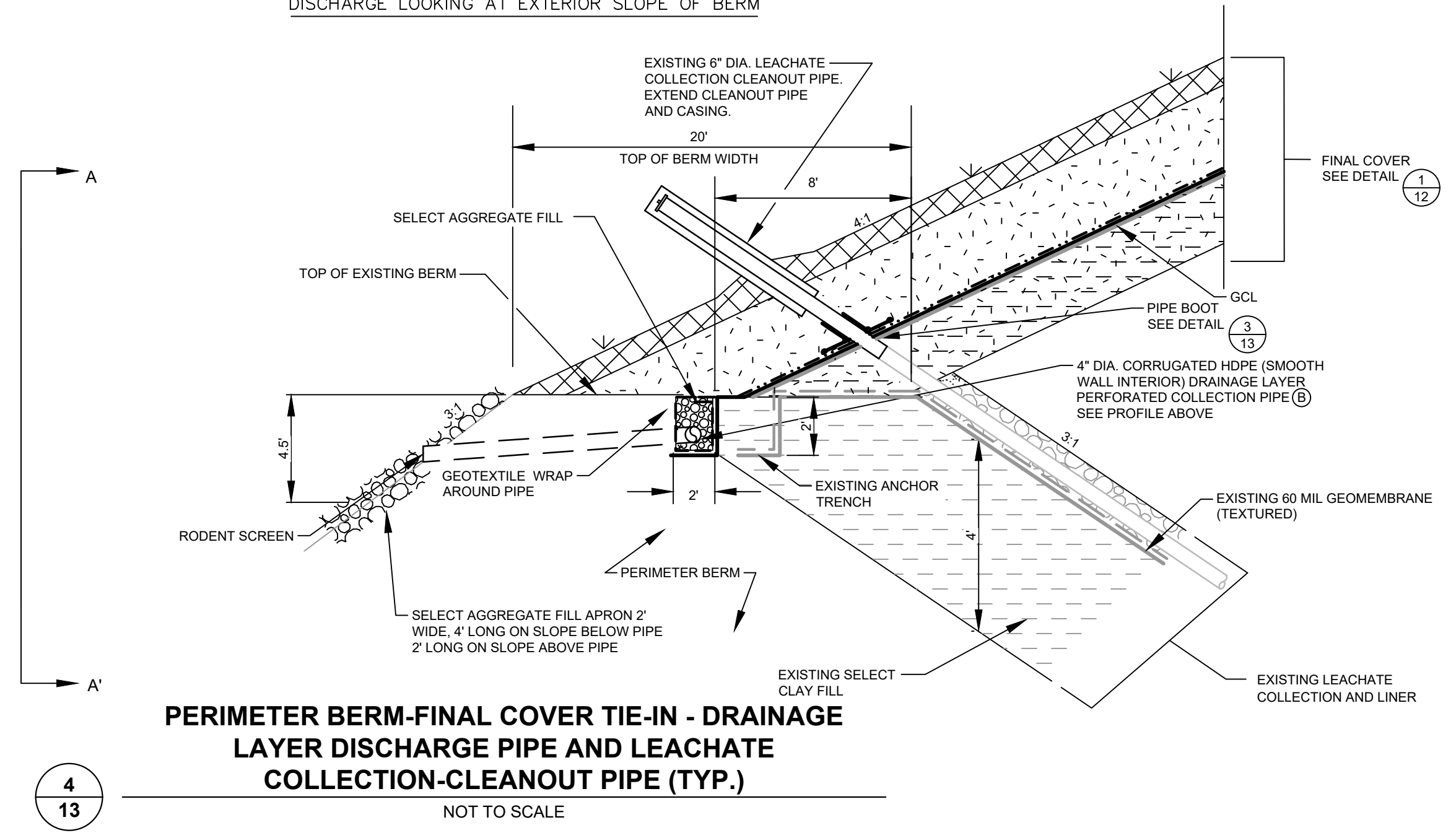
3
13
PIPE BOOT
NOT TO SCALE



4
13
SECTION A-A' OF FINAL COVER DRAINAGE LAYER DISCHARGE LOOKING AT EXTERIOR SLOPE OF BERM
NOT TO SCALE



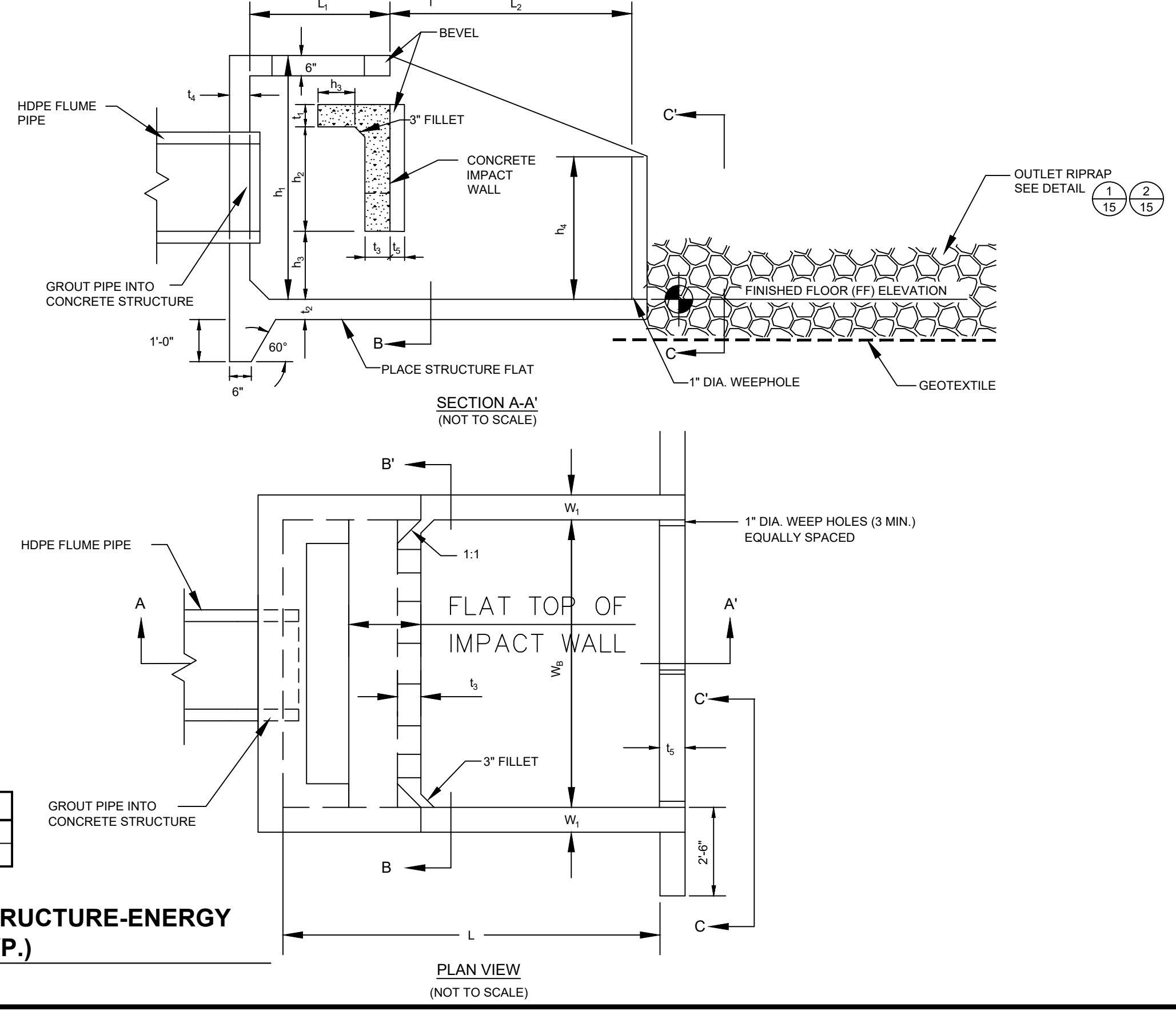
5
13
DOWNSLOPE FLUME OUTLET STRUCTURE-ENERGY DISSIPATOR (TYP.)
NOT TO SCALE



6
13
PERIMETER BERM-FINAL COVER TIE-IN - DRAINAGE LAYER DISCHARGE PIPE AND LEACHATE COLLECTION-CLEANOUT PIPE (TYP.)
NOT TO SCALE

Table 1. Energy Dissipator Structure Dimensions

FLUME ID	W ₀	h ₁	h ₂	h ₃	h ₄	L	L ₁	L ₂	W ₁	W ₂	t ₁	t ₂	t ₃	t ₄	t ₅
1	8	6.17	3.00	1.33	3.33	10.67	4.58	6.17	0.58	2.17	0.50	0.58	0.58	0.50	0.25
2	8	6.17	3.00	1.33	3.33	10.67	4.58	6.17	0.58	2.17	0.50	0.58	0.58	0.50	0.25



7
13
PLAN VIEW
NOT TO SCALE

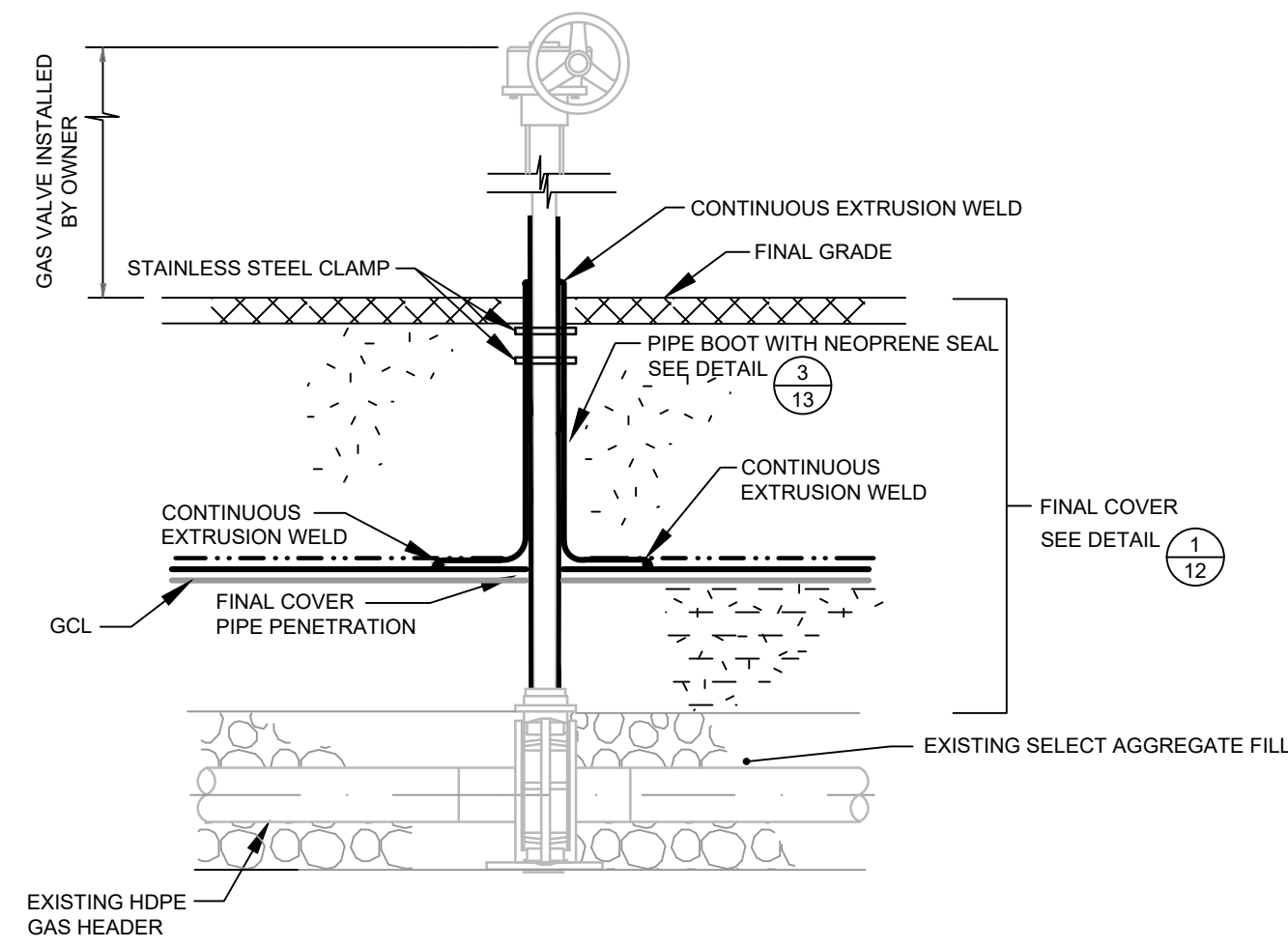
LINE AND SHADING LEGEND

	60 MIL HDPE GEOMEMBRANE		GEOCOMPOSITE
	GEOTEXTILE		GCL
	TOPSOIL		NATIVE SOIL
	GENERAL FILL		CONCRETE
	SELECT GRANULAR FILL		RIPRAP
	BARRIER LAYER FINE GRAINED SOIL		BITUMINOUS PAVING
	SELECT AGGREGATE FILL		COMPACTED SELECT CLAY FILL

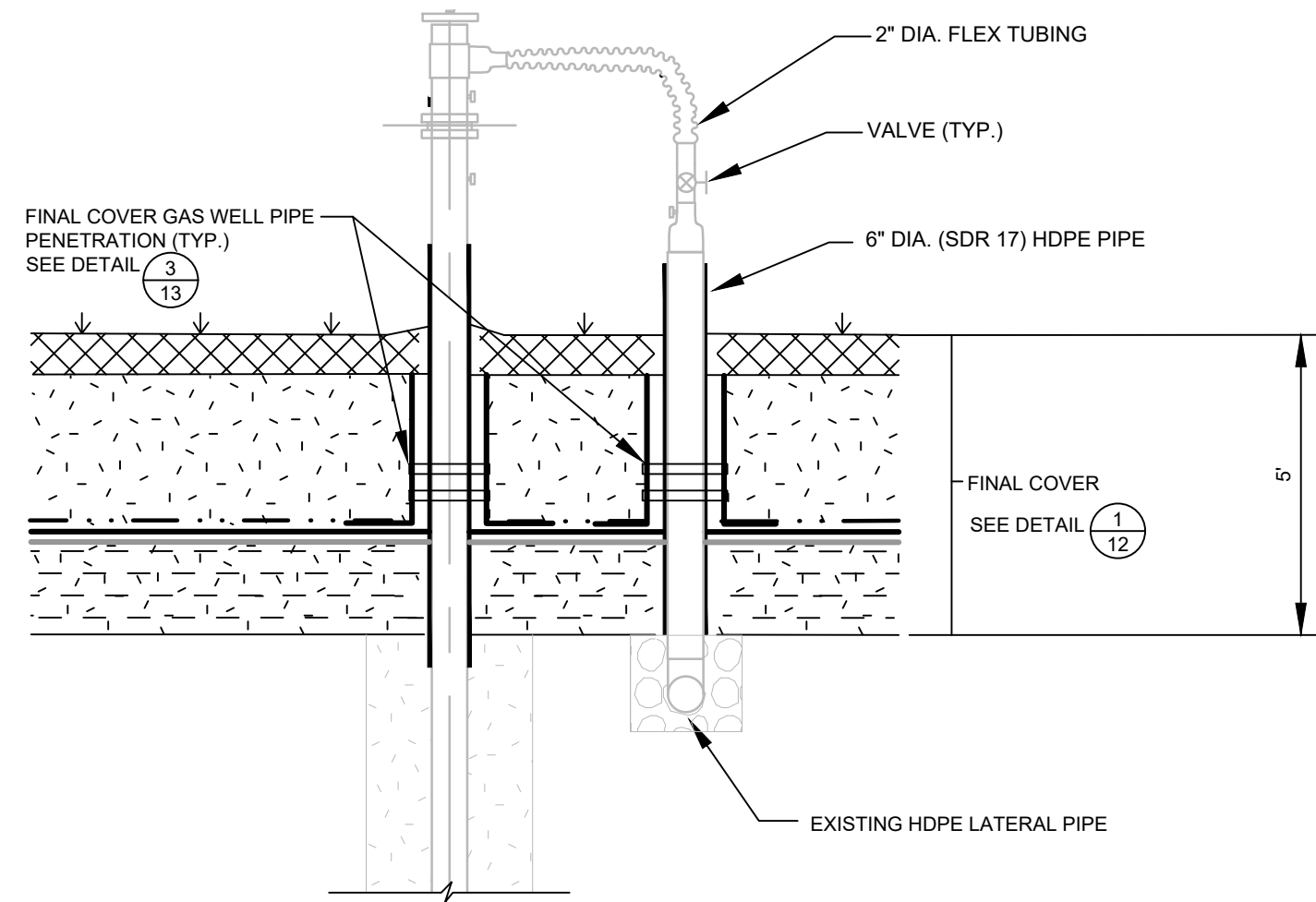
NOTE: THE CONTRACTOR SHALL NOTIFY ALL AREA UTILITY COMPANIES PRIOR TO COMMENCING WORK ON THIS CONTRACT, IN ACCORDANCE WITH STATE AND LOCAL REQUIREMENTS.
NOTE: THESE PLANS ARE ACCOMPANIED BY A PROJECT MANUAL OF THE SAME TITLE. THESE DOCUMENTS ARE INTERRELATED AND ARE INTENDED TO BE USED TOGETHER.

NO.	BY	DATE	REVISION	APP'D.
PROJECT: DANE COUNTY NO. 2 (RODEFELD) LANDFILL PHASE 9 - CELL 2 LINER AND STAGE 4 FINAL COVER CONSTRUCTION DANE COUNTY, WISCONSIN				
TITLE: DETAILS - FINAL COVER SYSTEM				
DRAWN BY: R. NOLDEN		PROJ. NO.: 2793950000.0000		
CHECKED BY: D. MARSHALL		SHEET 13 OF 17		
APPROVED BY: D. GENTHE				
DATE: JANUARY 2018		FILE NO.: 279395-SHTXX-DT.dwg		

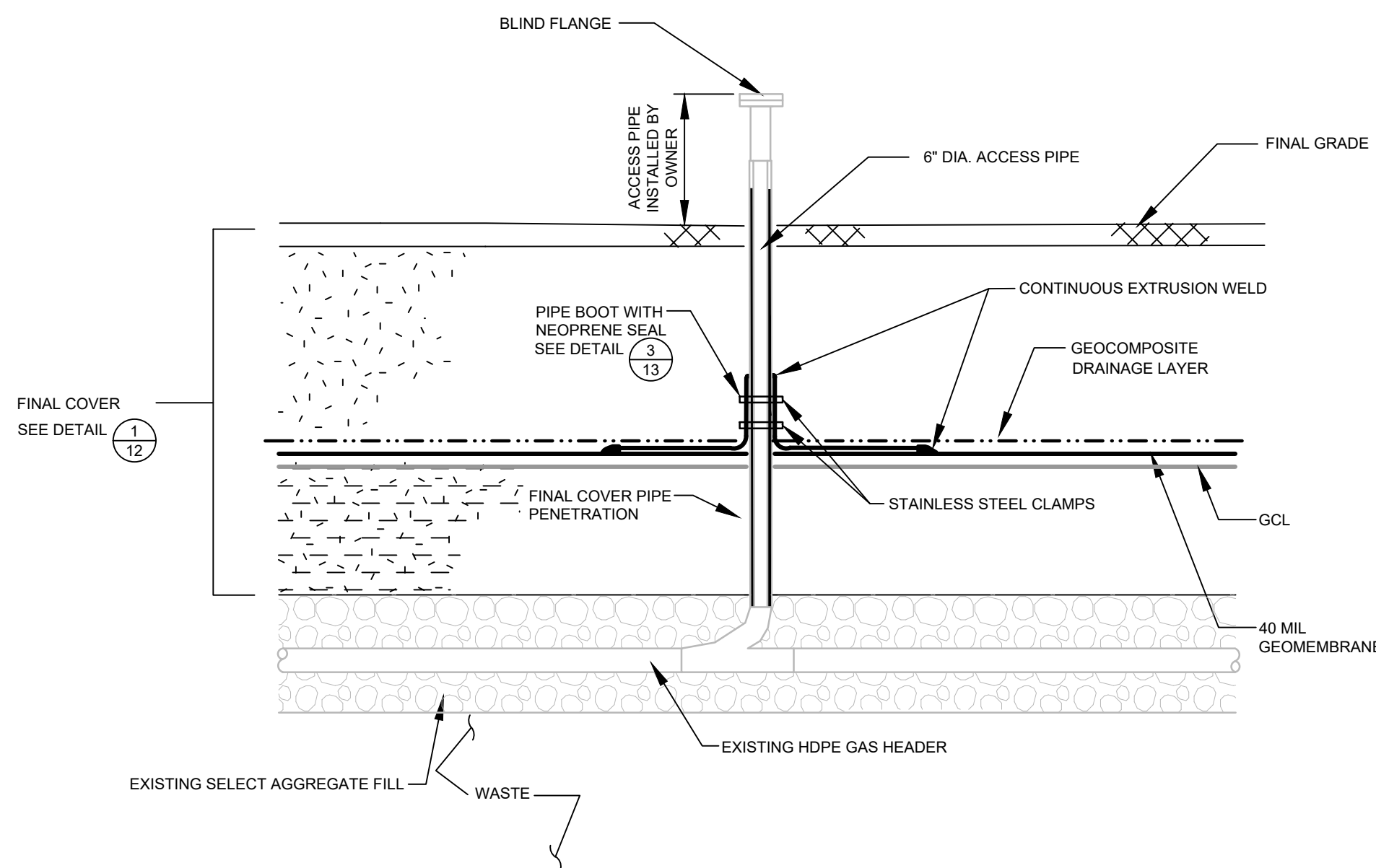
650 Suffolk Street
Suite 200
Lowell, MA 01854
Phone: 978.970.5600



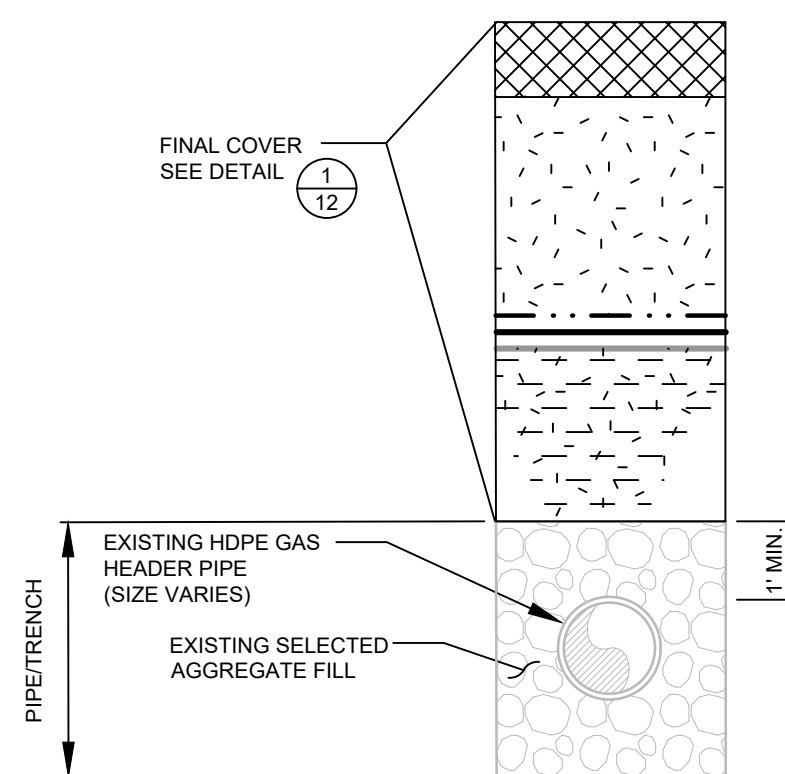
1
14 **GAS HEADER VALVE PIPE BOOT (TYP.)**
NOT TO SCALE



3
14 **GAS EXTRACTION WELL (TYP.)**
NOT TO SCALE



2
14 **GAS ACCESS PIPE BOOT (TYP.)**
NOT TO SCALE



4
14 **GAS TRANSFER PIPE (TYP.)**
NOT TO SCALE

- NOTE:**
- EVERYTHING SCREENED REPRESENTS EXISTING FINAL COVER.
 - EVERYTHING BOLD REPRESENTS CONNECTION OF NEW FINAL COVER.
 - OWNER TO EXTEND EXISTING GAS SYSTEM PIPES FOR CONTRACTOR TO INSTALL PIPE BOOTS.

LINE AND SHADING LEGEND			
	60 MIL HDPE GEOMEMBRANE		GEOCOMPOSITE
	GEOTEXTILE		GCL
	TOPSOIL		NATIVE SOIL
	GENERAL FILL		CONCRETE
	SELECT GRANULAR FILL		RIPRAP
	BARRIER LAYER FINE GRAINED SOIL		BITUMINOUS PAVING
	SELECT AGGREGATE FILL		COMPACTED SELECT CLAY FILL

NOTE: THE CONTRACTOR SHALL NOTIFY ALL AREA UTILITY COMPANIES PRIOR TO COMMENCING WORK ON THIS CONTRACT, IN ACCORDANCE WITH STATE AND LOCAL REQUIREMENTS.

NOTE: THESE PLANS ARE ACCOMPANIED BY A PROJECT MANUAL OF THE SAME TITLE. THESE DOCUMENTS ARE INTERRELATED AND ARE INTENDED TO BE USED TOGETHER.

NO.	BY	DATE	REVISION	APP'D.

PROJECT: **DANE COUNTY NO. 2 (RODEFELD) LANDFILL
PHASE 9 - CELL 2 LINER AND STAGE 4
FINAL COVER CONSTRUCTION
DANE COUNTY, WISCONSIN**

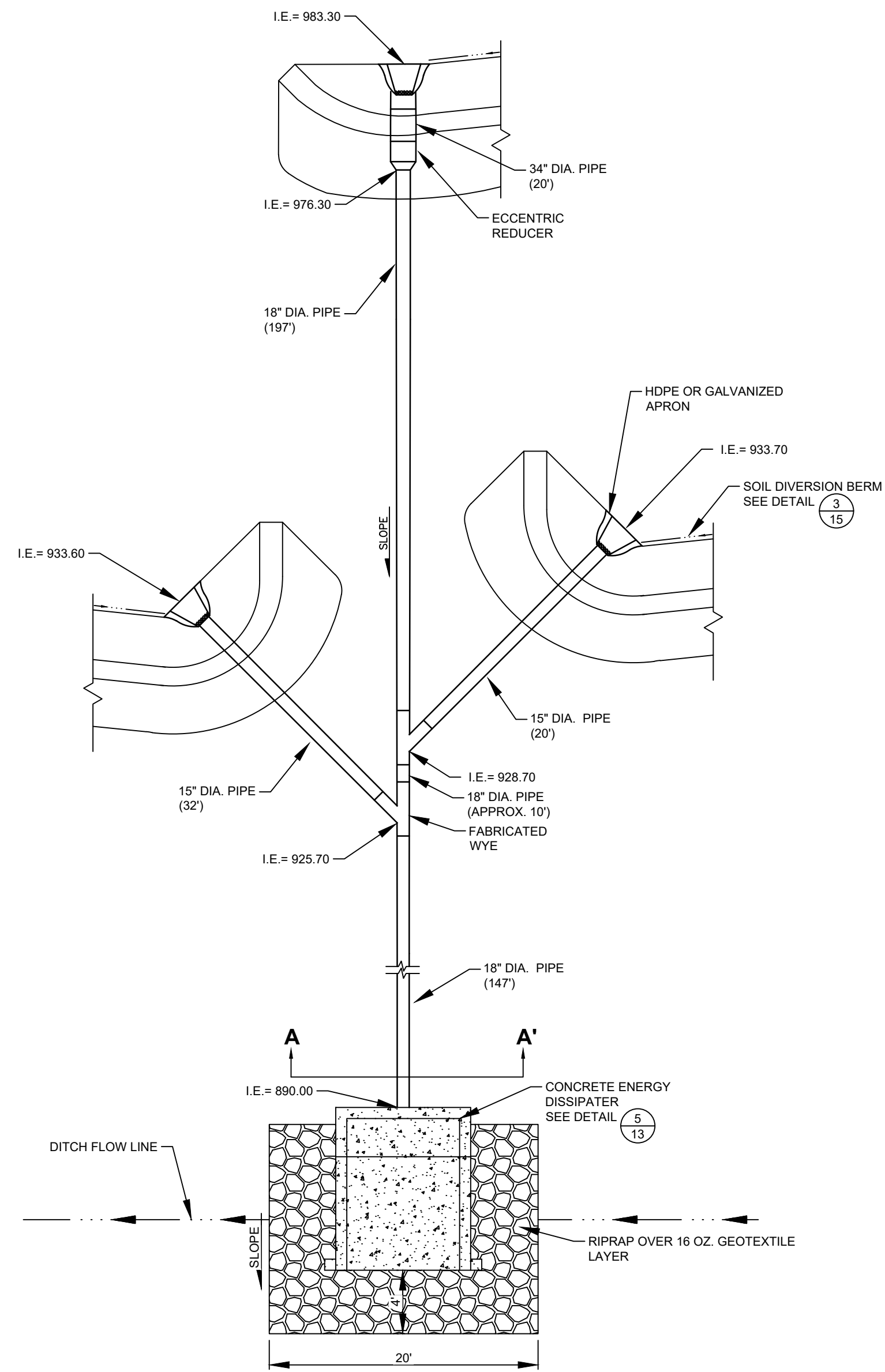
TITLE: **DETAILS - FINAL COVER PENETRATIONS**

DRAWN BY:	R. NOLDEN	PROJ. NO.:	2793950000.0000
CHECKED BY:	D. MARSHALL	SHEET 14 OF 17	
APPROVED BY:	D. GENTHE		
DATE:	JANUARY 2018		

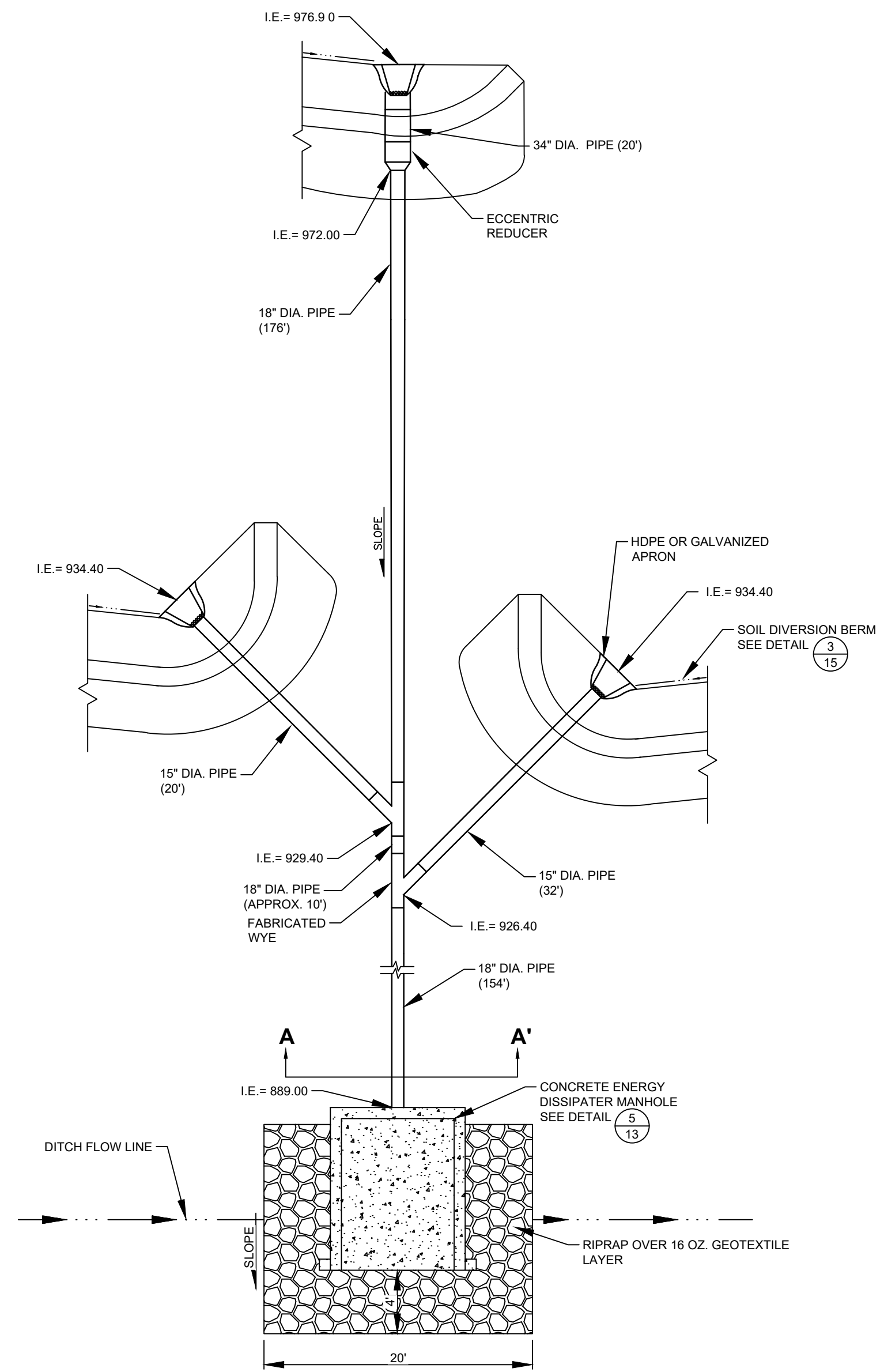
708 Heartland Trail
Suite 3000
Madison, WI 53717
Phone: 608.826.3600

FILE NO.: 279395.SHTXX-DT.dwg

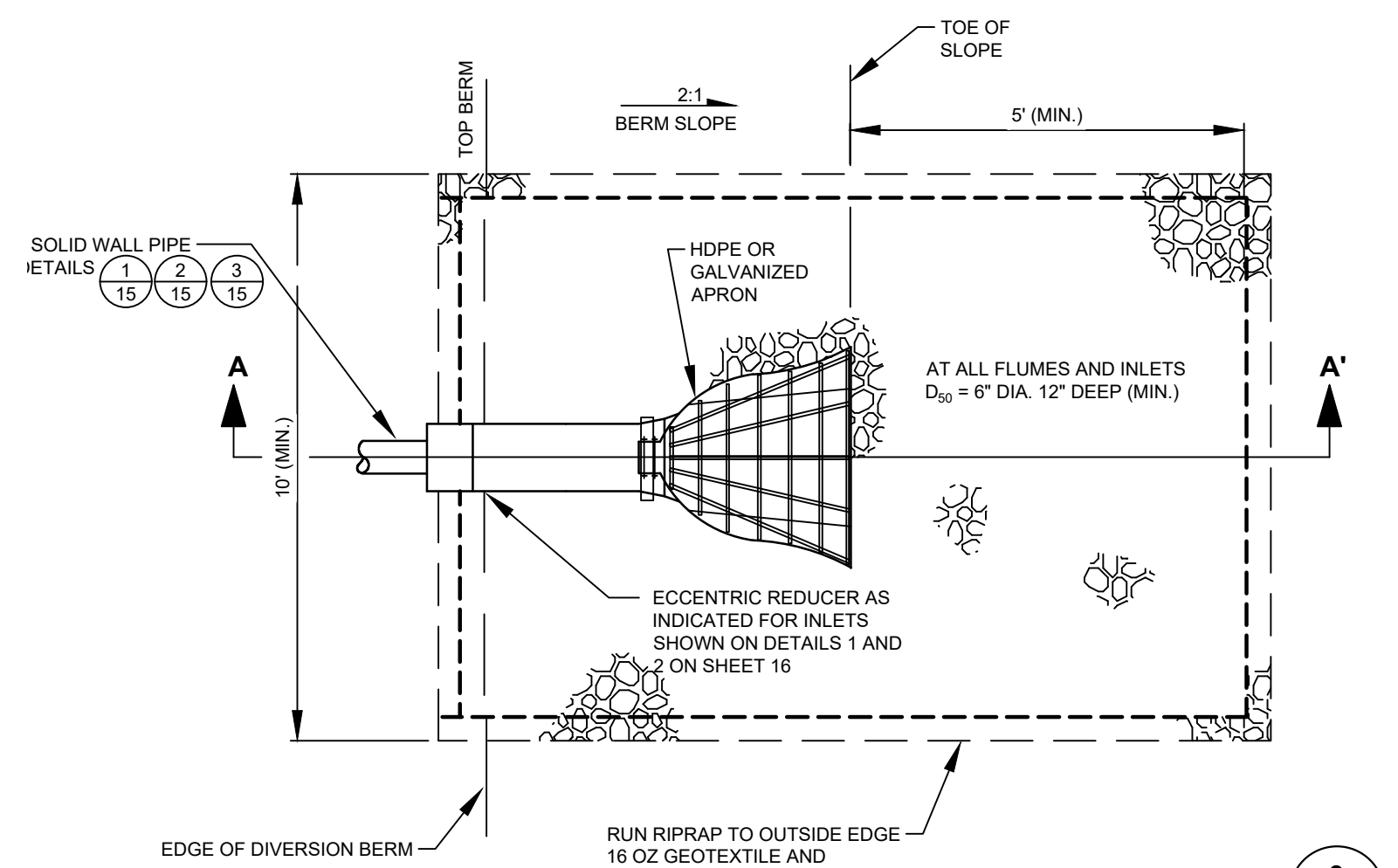
2304 ... ATTACHED XREFS: Details_VIEWS - P9 - C2 Cross Section - ATTACHED IMAGES: DRAWING NAME: J:\Dane County LF278395 - P9 - C2 Liner Const\000001\279395-SHTXX-DT.dwg --- PLOT DATE: January 10, 2018 - 10:32AM --- LAYOUT: 15 Details



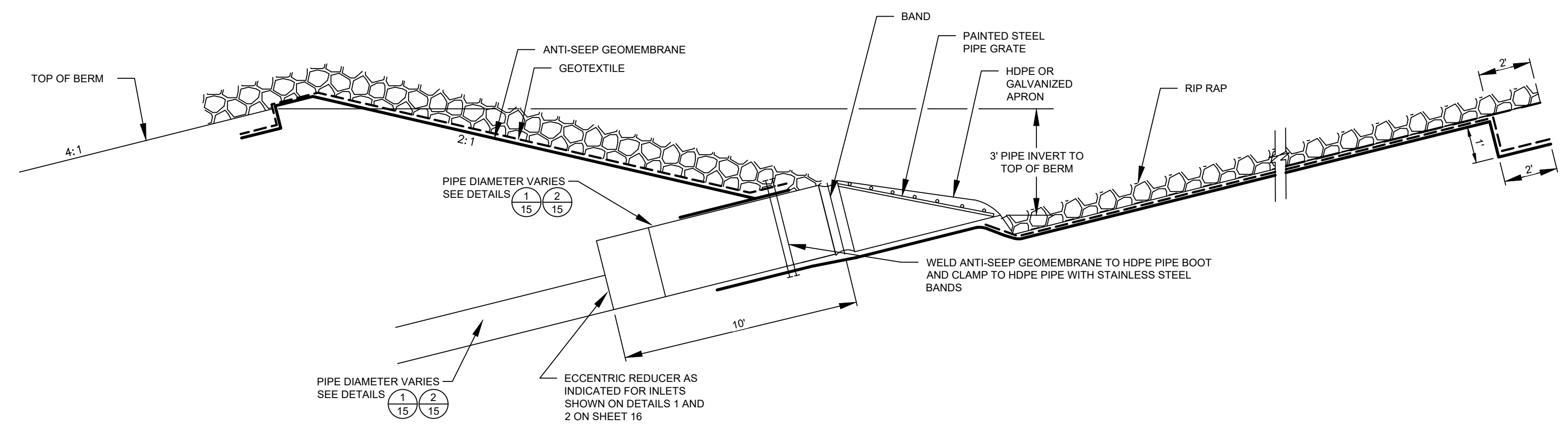
1
15
DOWNSLOPE FLUME NO. 1
NOT TO SCALE



2
15
DOWNSLOPE FLUME NO. 2
NOT TO SCALE



3
15
DOWNSLOPE FLUME INLET
NOT TO SCALE



- NOTES**
- SEE PLAN SHEET 11 FOR FLUME LOCATIONS.
 - ALL PIPES SMOOTH WALL HDPE.
 - PIPE ELEVATIONS AND LENGTHS ARE APPROXIMATE AND CAN BE ADJUSTED TO FIT CONDITIONS IN THE FIELD.

LINE AND SHADING LEGEND

60 MIL HDPE GEOMEMBRANE	GEOCOMPOSITE
GEOTEXTILE	GCL
TOPSOIL	NATIVE SOIL
GENERAL FILL	CONCRETE
SELECT GRANULAR FILL	RIPRAP
BARRIER LAYER FINE GRAINED SOIL	BITUMINOUS PAVING
SELECT AGGREGATE FILL	COMPACTED SELECT CLAY FILL

NOTE: THE CONTRACTOR SHALL NOTIFY ALL AREA UTILITY COMPANIES PRIOR TO COMMENCING WORK ON THIS CONTRACT, IN ACCORDANCE WITH STATE AND LOCAL REQUIREMENTS.

NOTE: THESE PLANS ARE ACCOMPANIED BY A PROJECT MANUAL OF THE SAME TITLE. THESE DOCUMENTS ARE INTERRELATED AND ARE INTENDED TO BE USED TOGETHER.

NO.	BY	DATE	REVISION	APP'D.

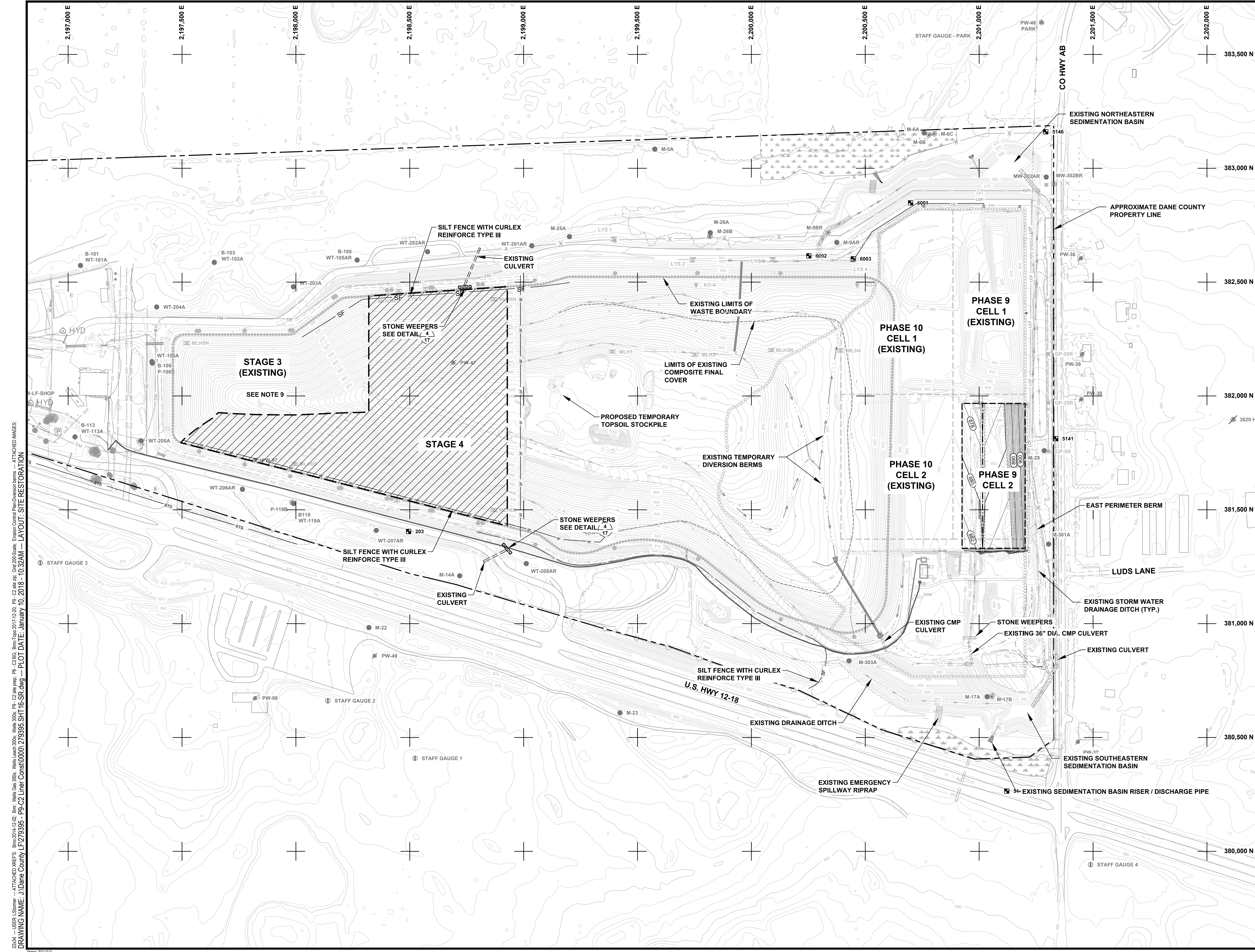
PROJECT: **DANE COUNTY NO. 2 (RODEFELD) LANDFILL
PHASE 9 - CELL 2 LINER AND STAGE 4
FINAL COVER CONSTRUCTION
DANE COUNTY, WISCONSIN**

TITLE: **DETAILS - DOWNSLOPE FLUMES**

DRAWN BY: R. NOLDEN	PROJ. NO.: 2793950000.0000
CHECKED BY: D. MARSHALL	
APPROVED BY: D. GENTHE	SHEET 15 OF 17
DATE: JANUARY 2018	

TRC 708 Heartland Trail Suite 3000 Madison, WI 53717 Phone: 608.826.3600

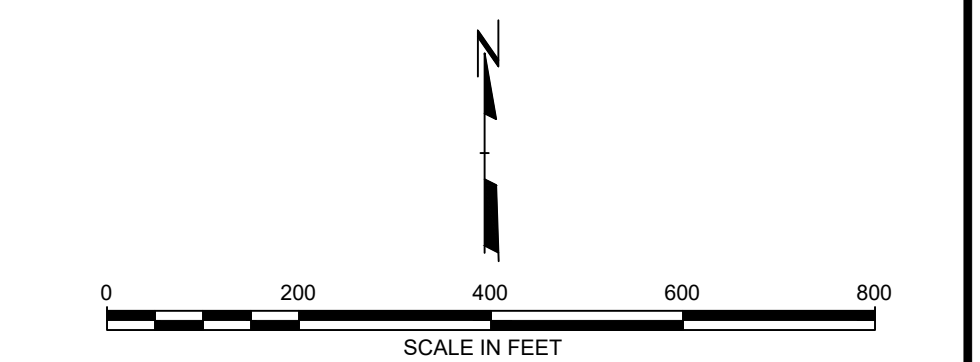
FILE NO.: 279395-SHTXX-DT.dwg



- LEGEND**
- AREAS FOR PLACEMENT OF WISDOT CLASS I TYPE B EROSION CONTROL AND VEGETATION MAT (ECRM). (INSTALLED BY CONTRACTOR)
 - AREAS WHERE SEDIMENTATION FENCE WILL BE INSTALLED BY OWNER (SEE NOTE 4) (TO BE REINFORCED WITH CURLEX TYPE III (9" DIA.))
 - STONE TRACKING PAD (INSTALLED BY CONTRACTOR)
 - SEDIMENT EROSION CONTROL LOGS WILL BE INSTALLED BY OWNER (SEE NOTE 4) (CULREX TYPE 1 (20" DIA.) PLACED IN SWALES)
 - STAGE 4 FINAL COVER LOCATION

- NOTES**
1. UNDER NO CONDITIONS WILL TREES BE REMOVED WITHOUT PRIOR APPROVAL FROM THE OWNER/ENGINEER.
 2. UNDER NO CONDITIONS WILL CONSTRUCTION ACTIVITIES TAKE PLACE OUTSIDE THE SEDIMENTATION FENCE AREA.
 3. UNDER NO CONDITIONS WILL CONSTRUCTION ACTIVITIES TAKE PLACE OUTSIDE THE LIMITS OF CONSTRUCTION BOUNDARY WITHOUT PRIOR APPROVAL FROM THE OWNER/ENGINEER.
 4. CONTRACTOR TO SEED, FERTILIZE AND MULCH SOIL STOCKPILES IMMEDIATELY AFTER PLACEMENT OF TOPSOIL AT FINAL FINISHED GRADES.
 5. SOIL STOCKPILES ARE TO BE CONSTRUCTED USING MAXIMUM 5-FOOT HIGH LIFTS. THE SIDE SLOPES (EXCEPT THE ACCESS POINT FOR THE NEXT LIFT) SHALL BE SEEDED AND MATTED IMMEDIATELY UPON THE COMPLETION OF EACH LIFT.
 6. INFORMATION RELATED TO LOCATIONS AND TYPES OF EROSION CONTROL FEATURES PROVIDED BY DANE COUNTY.

- EROSION AND SEDIMENT CONTROL NOTES**
1. EROSION AND SEDIMENT CONTROL PRACTICES MUST BE INSTALLED PRIOR TO COMMENCING LAND DISTURBING ACTIVITIES.
 2. AMERICAN EXCELSIOR CURLEX SEDIMENT LOG (20" DIA.) TO BE PLACED IN ALL SWALES AND CHANNELS RECEIVING RUNOFF FROM DISTURBED AREAS. MAXIMUM SPACING OF 100' BETWEEN LOGS.
 3. SILT FENCE TO BE PLACED AT LOCATIONS SHOWN ON THIS SHEET, AS NOTED, AND REINFORCED WITH AMERICAN EXCELSIOR CURLEX SEDIMENT LOG (9" DIA.).
 4. STONE WEEPERS, CONSTRUCTED OF 3" DIA. CLEAR STONE, TO BE PLACED AT ALL CULTVERTS AT ALL CULTVERT INLETS RECEIVING RUNOFF FROM DISTURBED AREAS.
 5. A STONE TRACKING PAD MUST BE INSTALLED AND MAINTAINED AT THE SITE ENTRANCE/EGRESS AT HWY AB.
 6. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES MAY BE NEEDED AND SHALL BE INSTALLED AS DIRECTED BY COUNTY STAFF.
 7. SILT FENCE TO BE PLACED AROUND AND/OR DOWNSLOPE FROM ALL SOIL STOCKPILE LOCATIONS.
 8. CONTRACTOR RESPONSIBLE FOR CLEARING DITCHES THROUGHOUT CONSTRUCTION AND WITHIN 24 HOURS OF EACH RAIN EVENT.
 9. STOCKPILES CONSTRUCTED ON AREAS OF EXISTING FINAL COVER SHOULD CONSIDER SHALLOW SOILS TO GEOSYNTHETIC LAYERS.

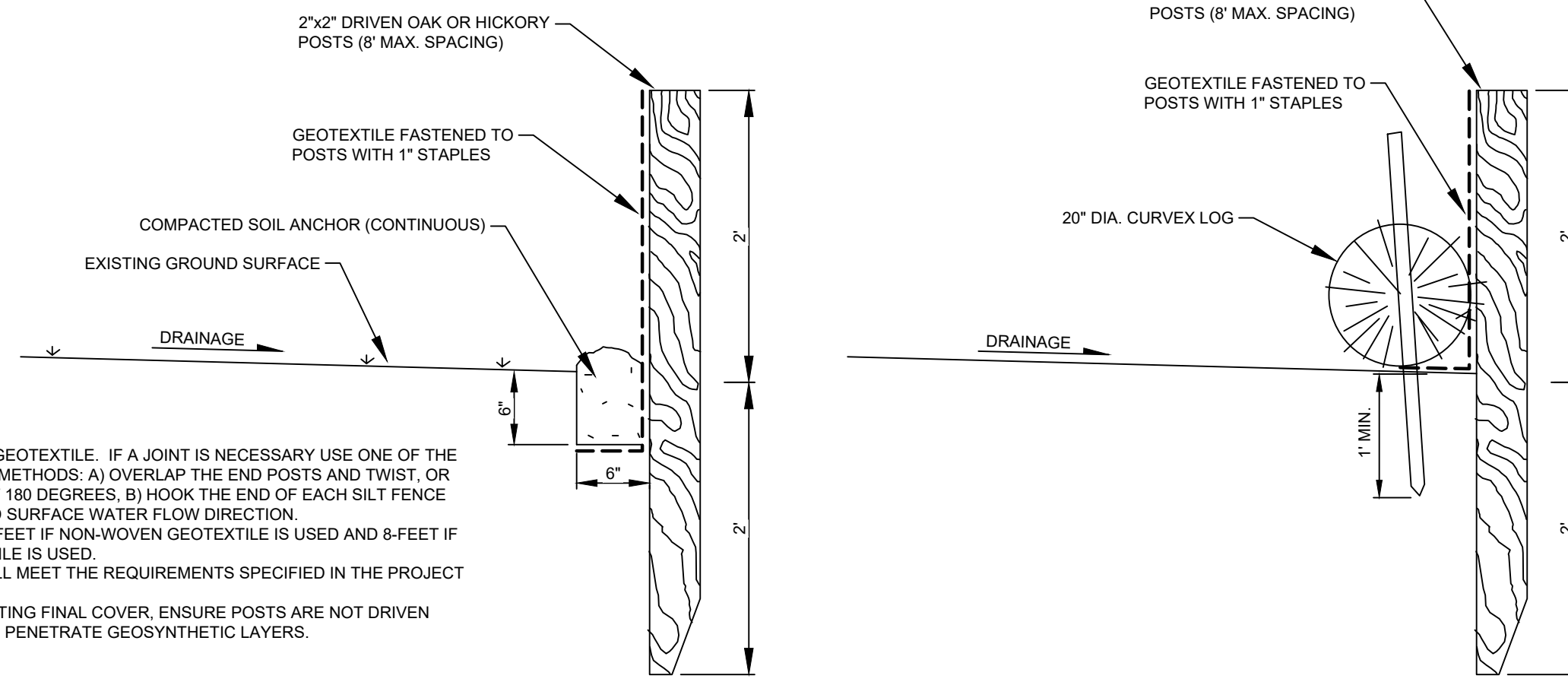


2534 -- USER: LStomer -- ATTACHED REFS: Bnc-2014-12-02; Bnr; Wels; Gaa; 300s; Wels; Leach; 300s; Wels; 300s; P9 - C2 BG; Bnc-Topo-2017-12-20; P9 - C2 site; Bnc; Gnd 200; Scale; Erosion Control Plan-Drawn items -- ATTACHED IMAGES: DRAWING NAME: J:\Dane County LF278395 - P9-C2 Liner Const\0000\279395.SHT16-SR.dwg -- PLOT DATE: January 10, 2018 - 10:32AM -- LAYOUT: SITE RESTORATION

NO.	BY	DATE	REVISION	APPD.
PROJECT: DANE COUNTY NO. 2 (RODEFELD) LANDFILL PHASE 9 - CELL 2 LINER AND STAGE 4 FINAL COVER CONSTRUCTION DANE COUNTY, WISCONSIN				
TITLE: EROSION CONTROL AND SITE RESTORATION PLAN				
DRAWN BY:	R. NOLDEN	PROJ. NO.:	2793950000.0000	
CHECKED BY:	D. MARSHALL			
APPROVED BY:	D. GENTHE	SHEET 16 OF 17		
DATE:	JANUARY 2018			
		708 Heartland Trail Suite 3000 Madison, WI 53717 Phone: 608.826.3600		
FILE NO.:	279395.SHT16-SR.dwg			

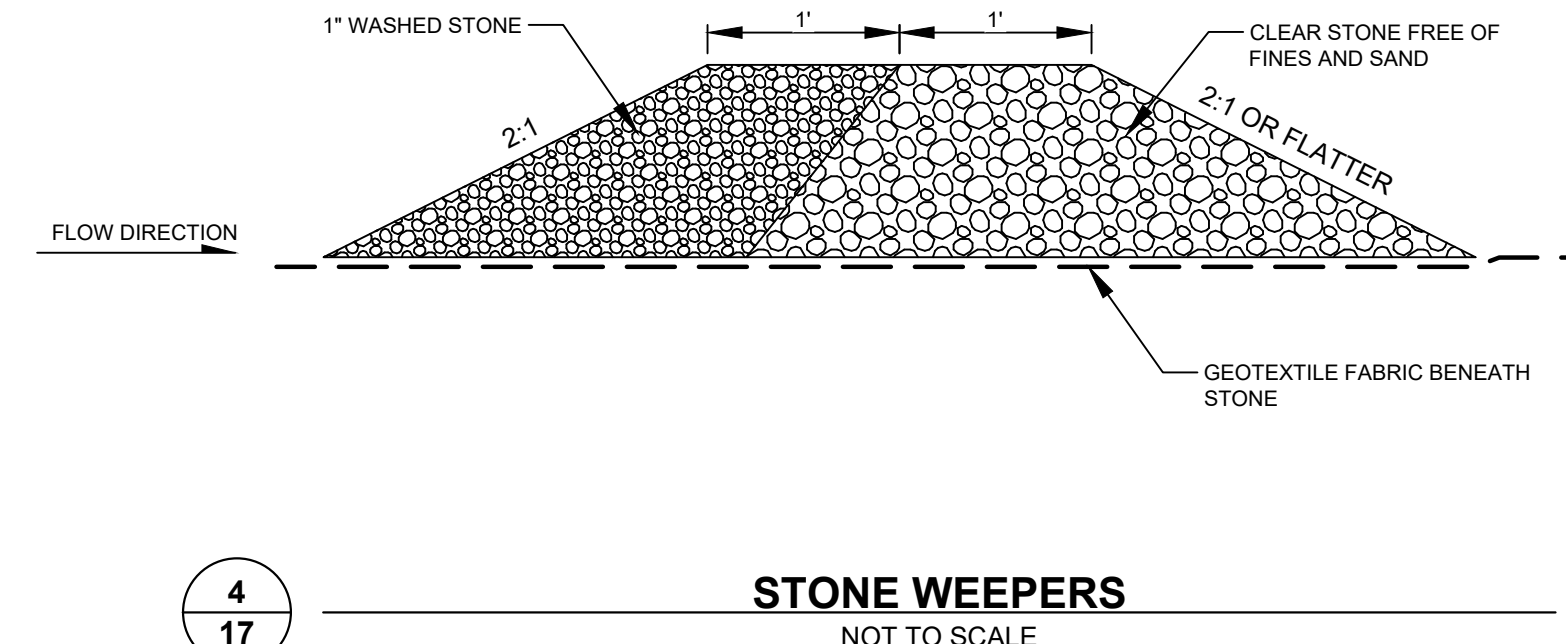
NOTES:

1. AVOID JOINTS IN GEOTEXTILE. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS: A) OVERLAP THE END POSTS AND TWIST, OR ROTATE AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE UPWARD TOWARD SURFACE WATER FLOW DIRECTION.
2. POST SPACING 2-FEET IF NON-WOVEN GEOTEXTILE IS USED AND 8-FEET IF WOVEN GEOTEXTILE IS USED.
3. GEOTEXTILE SHALL MEET THE REQUIREMENTS SPECIFIED IN THE PROJECT MANUAL.
4. IN AREAS OF EXISTING FINAL COVER, ENSURE POSTS ARE NOT DRIVEN DEEP ENOUGH TO PENETRATE GEOSYNTHETIC LAYERS.



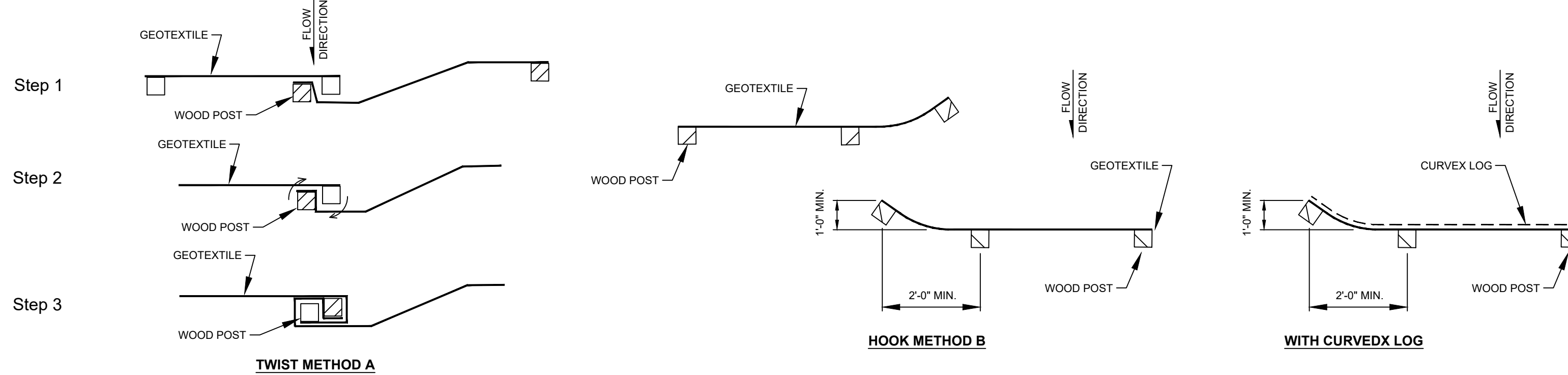
CROSS SECTION VIEW

CROSS SECTION VIEW



STONE WEEPERS
NOT TO SCALE

4
17

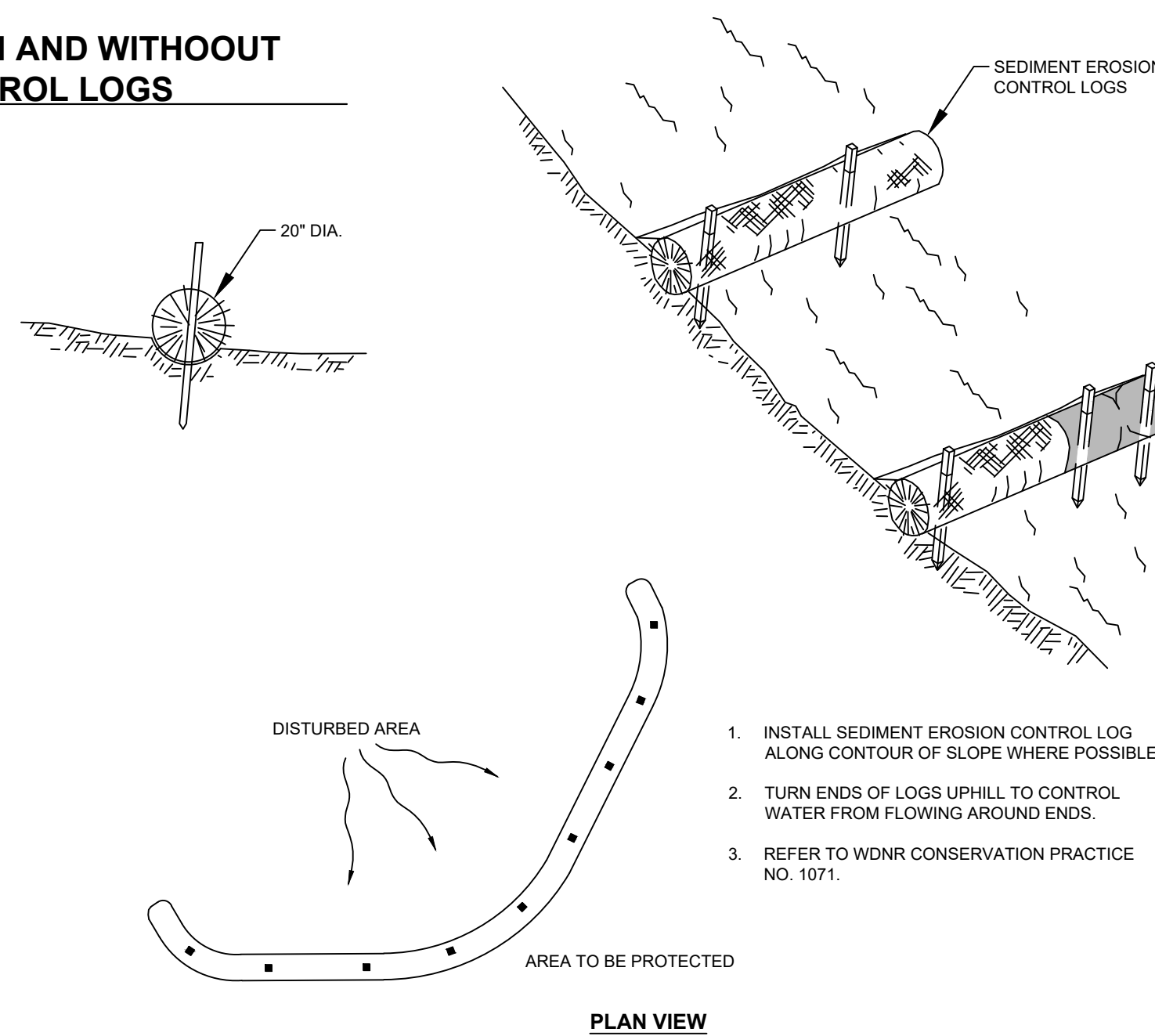


JOINING TWO LENGTHS OF SILT FENCE

EROSION CONTROL FENCE (WITH AND WITHOUT SEDIMENT EROSION CONTROL LOGS)

NOT TO SCALE

1
17



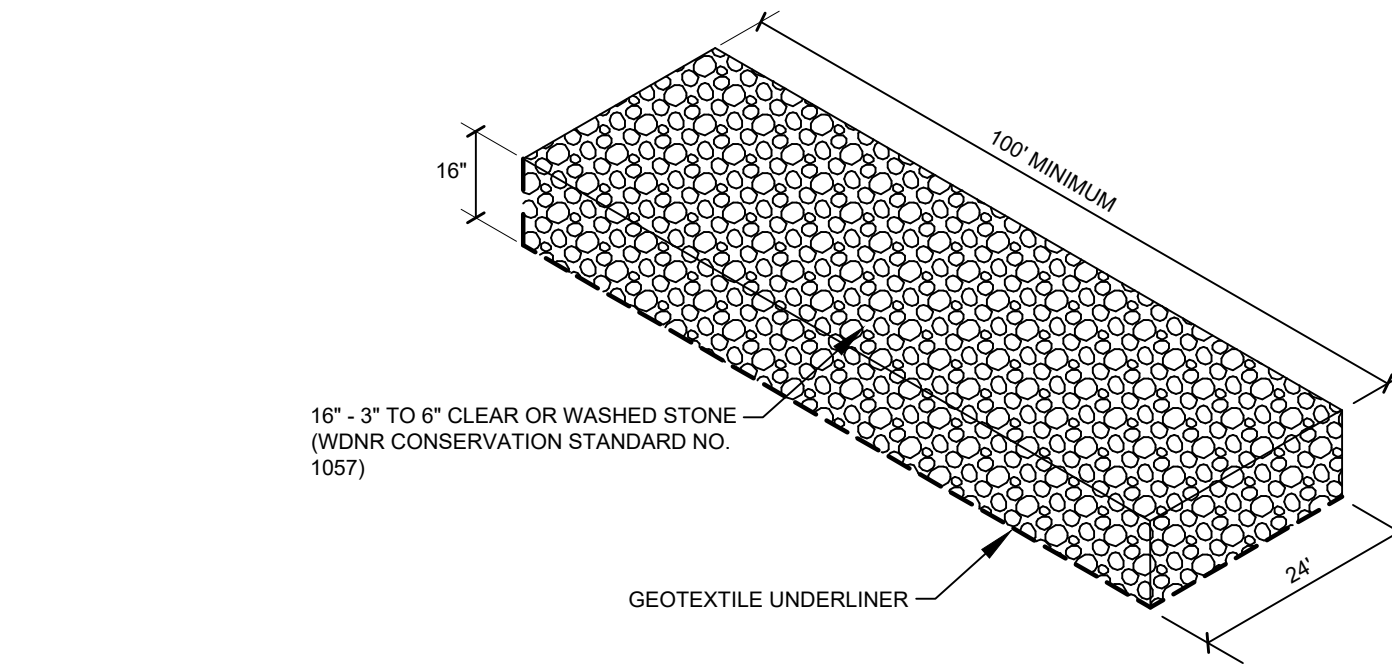
PLAN VIEW

1. INSTALL SEDIMENT EROSION CONTROL LOG ALONG CONTOUR OF SLOPE WHERE POSSIBLE.
2. TURN ENDS OF LOGS UPHILL TO CONTROL WATER FROM FLOWING AROUND ENDS.
3. REFER TO WDNR CONSERVATION PRACTICE NO. 1071.

2
17

SEDIMENT EROSION CONTROL LOGS

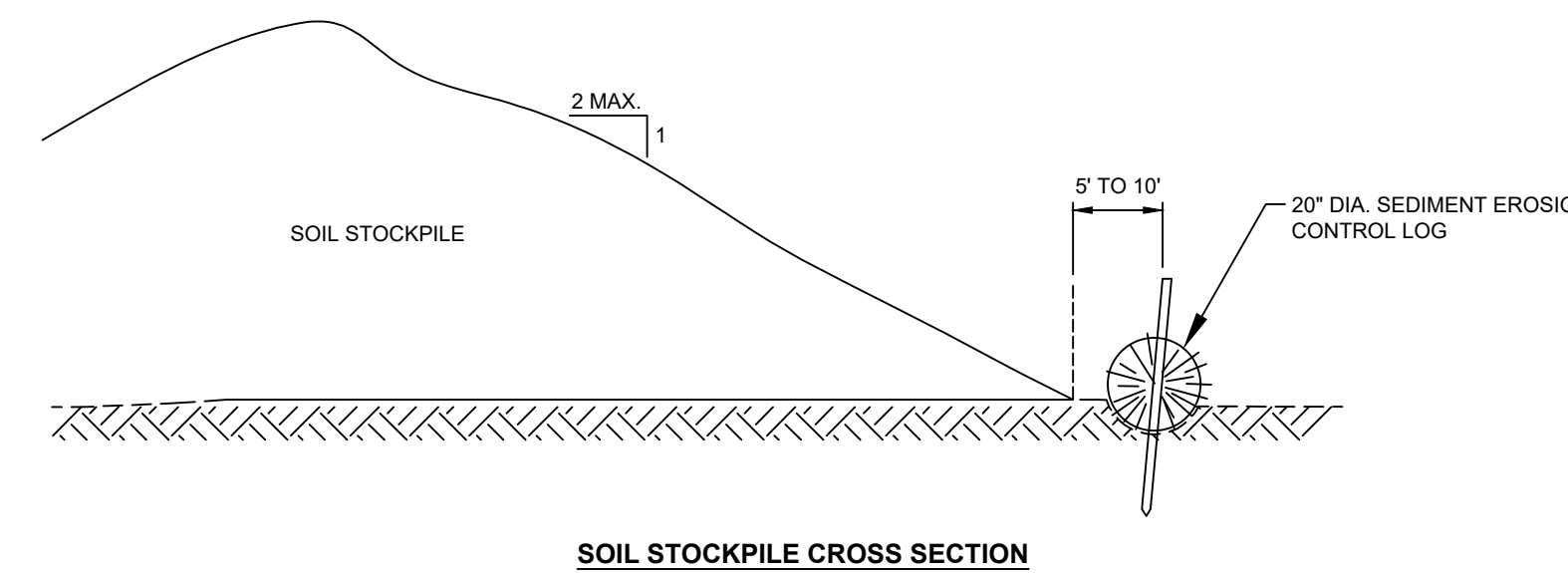
NOT TO SCALE



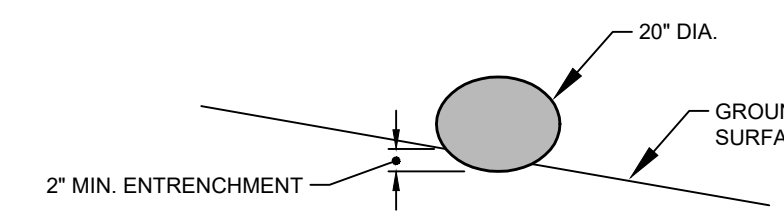
STONE TRACKING PAD

NOT TO SCALE

3
17

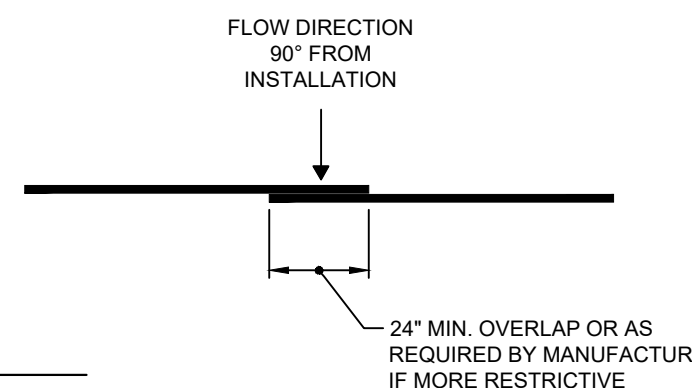


SOIL STOCKPILE CROSS SECTION

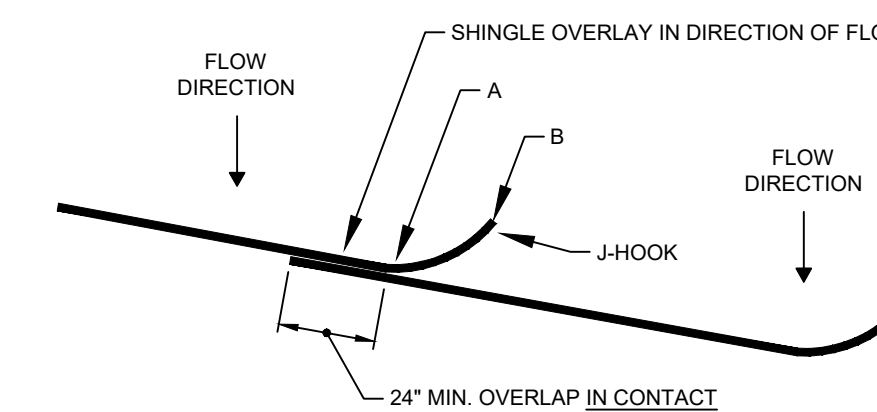


CROSS SECTION

- NOTE:**
1. INSTALLED HEIGHT IS MEASURED FROM THE UPSLOPE GROUND SURFACE TO THE TOP OF THE PRODUCT. DUE TO SETTLEMENT AND/OR DEFORMATION, THE INSTALLED HEIGHT MAY NOT BE EQUIVALENT TO THE NOMINAL DIAMETER OF THE PRODUCT.



TYPICAL INSTALLATION
(PLAN VIEW)



SLOPING INSTALLATION
(PLAN VIEW)

- NOTES:**
1. J-HOOKS SHALL BE INSTALLED SO THAT THE GROUND-PRODUCT INTERFACE ELEVATION AT LOCATION B IS HIGHER THAN THE TOP OF PRODUCT ELEVATION AT LOCATION A TO CREATE A WEIR AT POINT A.
 2. J-HOOKS SHALL BE INSTALLED EVERY 2 VERTICAL FEET OF DROP ALONG THE LENGTH OF INSTALLATION.
 3. STAKE OVERLAP AS REQUIRED BY MANUFACTURER.

LINE AND SHADING LEGEND

60 MIL HDPE GEOMEMBRANE	GEOCOMPOSITE
GEOTEXTILE	GCL
TOPSOIL	NATIVE SOIL
GENERAL FILL	CONCRETE
SELECT GRANULAR FILL	RIPRAP
BARRIER LAYER FINE GRAINED SOIL	BITUMINOUS PAVING
SELECT AGGREGATE FILL	COMPACTED SELECT CLAY FILL

NOTE: THE CONTRACTOR SHALL NOTIFY ALL AREA UTILITY COMPANIES PRIOR TO COMMENCING WORK ON THIS CONTRACT, IN ACCORDANCE WITH STATE AND LOCAL REQUIREMENTS.

NOTE: THESE PLANS ARE ACCOMPANIED BY A PROJECT MANUAL OF THE SAME TITLE. THESE DOCUMENTS ARE INTERRELATED AND ARE INTENDED TO BE USED TOGETHER.

NO.	BY	DATE	REVISION	APPD.

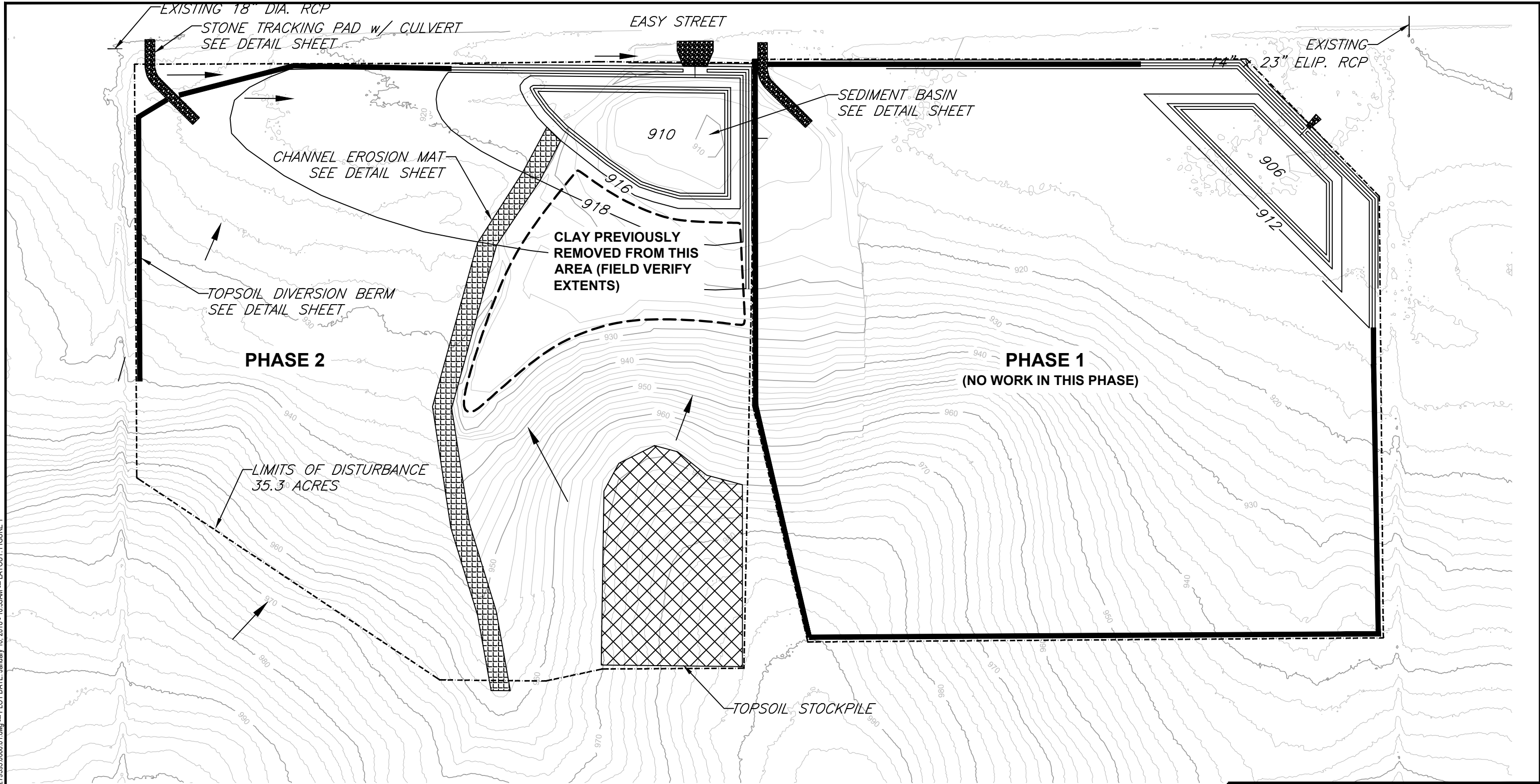
PROJECT: **DANE COUNTY NO. 2 (RODEFELD) LANDFILL PHASE 9 - CELL 2 LINER AND STAGE 4 FINAL COVER CONSTRUCTION DANE COUNTY, WISCONSIN**

DETAILS - EROSION CONTROL

DRAWN BY: R. NOLDEN	PROJ. NO.: 2793950000.0000
CHECKED BY: D. MARSHALL	SHEET 17 OF 17
APPROVED BY: D. GENTHE	
DATE: JANUARY 2018	

TRC 708 Heartland Trail Suite 3000 Madison, WI 53717 Phone: 608.826.3600


FILE NO.: 279395.SHTXX-DT.dwg



NOTES

1. CONTRACTOR TO FIELD VERIFY EDGE OF PREVIOUS CLAY REMOVAL AND START EXCAVATION FROM THAT LOCATION.
2. CONTRACTOR SHALL WORK WEST THAN SOUTH FOR CLAY EXCAVATION.



PROJECT: DANE COUNTY NO. 2 (RODEFELD) LANDFILL PHASE 9 - CELL 2 LINER AND STAGE 4 FINAL COVER CONSTRUCTION DANE COUNTY, WISCONSIN	
TITLE: WESTPORT CLAY BORROW SITE	
DRAWN BY: R. NOLDEN	PROJ NO.: 2793950000.0000
CHECKED BY: D. MARSHALL	FIGURE 1
APPROVED BY: D. GENTHE	
DATE: JANUARY 2018	
	
708 Heartland Trail Suite 3000 Madison, WI 53717 Phone: 608.826.3600	
FILE NO.:	279395.0000.01.dwg

11x17 -- USER: lborner -- ATTACHED XREFS: borrow site final conditions, eg borrow site 2016-11-21 -- ATTACHED IMAGES: DRAWING NAME: J:\Dane County LF\279395 - P9-C2 Liner Const\0000_279395_0000_01.dwg -- PLOT DATE: January 10, 2018 - 10:39AM -- LAYOUT: FIGURE 1
 Version: 2017-10-21