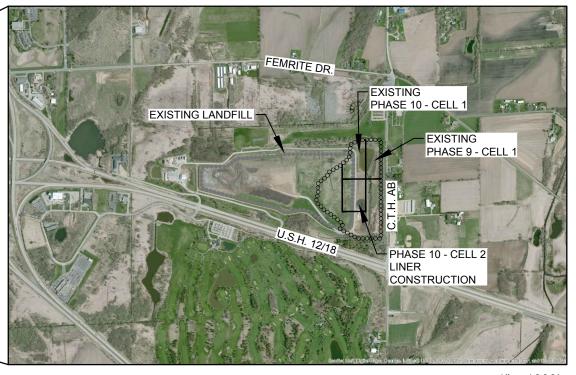


DANE COUNTY NO. 2 (RODEFELD) LANDFILL PHASE 10 - CELL 2 LINER CONSTRUCTION

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

PREPARED BY: TRC ENVIRONMENTAL CORPORATION MADISON, WISCONSIN

DATE: JUNE 2016



1" = 1000'

SITE LOCATOR

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

201 DANE COUNTY NO. 2 (RODEFELD) LANDFILL - JUN PHASE 10 - CELL 2 LINER CONSTRUCTION

SHEET INDEX

SHEET	SHEET			
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10	EROSION CONTROL / SITE RESTORATION PLAN			
11	DETAILS - EROSION CONTROL			



	DESIGN	ROADWAYS	
		GRAVEL	
+++++++++++++++++++++++++++++++++++++++		PAVED RAILROAD	
		CENTERLINE	
		WALKS/DRIVES	
		WALLS/FENCES	
)0	_00	EARTH WALL	
X	X	FENCE LINE	
		CONTOURS	
- 1050	—— 1050——	INDEX CONTOUR (10' INTERVAL)	
		INTERMEDIATE CONTOUR (2' INTERVAL)	
	\sim \sim \sim	DEPRESSION SPOT ELEVATION	
X 1055	X 1055	TREES	
×	*	DECIDUOUS	
*	*	CONIFER	
®	8	BUSH	
~~~~ .		TREE LINE AND/OR BUSH	
		WATER	
		BODIES OF WATER	
	<u> </u>	RIVER/STREAMS	
		INTERMITTENT STREAM DITCH WITH FLOW AND DIRECTION	
		BRIDGE	
		CULVERT	
		EDGE OF WATER / APPROXIMATE LIMITS OF WET AREA	
<u>ke ke</u> >		AREA CONTAINING WETLAND VEGETATION	
		BUILDING	
		BUILDING	
		FEATURES	
OR ●	0	WATER TABLE WELL	
) OR 🕤	$\oplus$	SOIL BORING	
IOR ■ OR ●	$\square$	TEST PIT PIEZOMETER	
OR (D)	$\oplus$	STAFF GAUGE	
or 🛎	$\bigcirc$	PRIVATE WELL	
OR 💌	X	LEACHATE HEAD WELL	
OR ▲ ⊧OR <del>_</del>	△ 	LEACHATE HEAD WELL MONITORING PORT GAS VENT	
	ېن X	GAS MONITORING PROBE	
OR 📉	$\boxtimes$	LYSIMETER	
D SEPC		SEPTIC COVER SEPTIC VENT	
ø		ABANDONED PRIVATE WELL	
ب ۲		ABANDONED MONITORING WELL	
ø		ABANDONED PIEZOMETER	
		UTILITIES	
STM ——	STM	STORM SEWER LINE	
	UE E		
	UT	UNDERGROUND TELEPHONE	
	— T ——	TELEPHONE	
	— C —	CABLE WATER	
	G	GAS	
$\star$		LIGHT POLE BASE	
		MISCELLANEOUS	
	SF	LIMITS OF COMPOSITE LINER CONSTRUCTION SEDIMENT CONTAINMENT FENCE	
••••••		LIMITS OF WASTE	
		PHASE / MODULE LINE	
	•••••••••••	APPROXIMATE LIMITS OF CONSTRUCTION SEDIMENT EROSION CONTROL LOGS	
E:			

STING	PROPOSED	SURVEY DATA				
		PROPERTY LINE				
	ROW	RIGHT-OF-WAY LINE				
OR 🖪		BENCH MARK				
OR 🔺		SURVEY CONTROL POINT				
DR 🔺		MONUMENT				
<b>+</b>		SECTION-CORNER / QUARTER-CORNER				
		PIPE				
	0	COLLECTION PIPE CLEANOUT				
/НЗ	● MH6	MANHOLE				
· ·	_ · _ · _ · _ · _	COLLECTION PIPE (PERFORATED)				
	$\longrightarrow$	TRANSFER PIPE (SOLID WALL)				
FM	FM	LEACHATE FORCEMAIN				
		SURFACE				
		PHASE/MODULE DELINEATION BERM				
EL.=1040.5	EL.=1040.5	SEDIMENTATION BASIN				
		FINAL COVER DIVERSION BERM				
	0202020	RIPRAP SPILLWAY				
		STONE TRACKING PAD				
		EROSION CONTROL MAT / TURF REINFORCEMENT MAT				
		PLAN SHEET				
	+100+00N	GRID TICK AND STATION				
	N.V.	GRID TICK AND STATION				
	$\begin{pmatrix} 1\\ 5 \end{pmatrix}$	DETAIL 3 ON SHEET 10				
	SLOPE	SLOPE PERCENT AND DIRECTION				
Ţ		ENGINEERING/GEOLOGIC CROSS SECTION				

LOCATION

SURFACE WATER FLOW ARROW

## **STANDARD NOTES**

### NOTES

- 1. 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), FEBRUARY 4, 2014 AECOM GROUND SURVEY (IN THE AREA SOUTH OF PHASE 9 - CELL 1), 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.
- 2. HORIZONTAL DATUM IS BASED ON NAD27 WISCONSIN STATE PLANE COORDINATE SYSTEM.
- 3. 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 NORTHING EASTING ELEVATION NAME STATE PLANE STATE PLANE DESCRIPTION (FT-MSL) (FEET) (FEET) 381,404.98 203 2,198,495.01 875.020 CP 0.75 REBAR SOUTH SIDE OF PAVED ENTRY ROAD 5141 381,812.47 2,201,335.74 CP 100D WEST SIDE CTH AB WEST OF MAILBOX 3620 906.000 5143 380,264.80 2,201,121.12 883.000 383,160.34 2,201,292.29 5146 870.930 CP 100D SW OF NE CONST FENCE CORNER 6001 382,847.88 2,200,698.84 889.452 6002 382,615.37 2,200,252.21 880.659 6003 382,602.35 2,200,447.27 879.687 6007 381,590.05 2,200,730.86 889.218

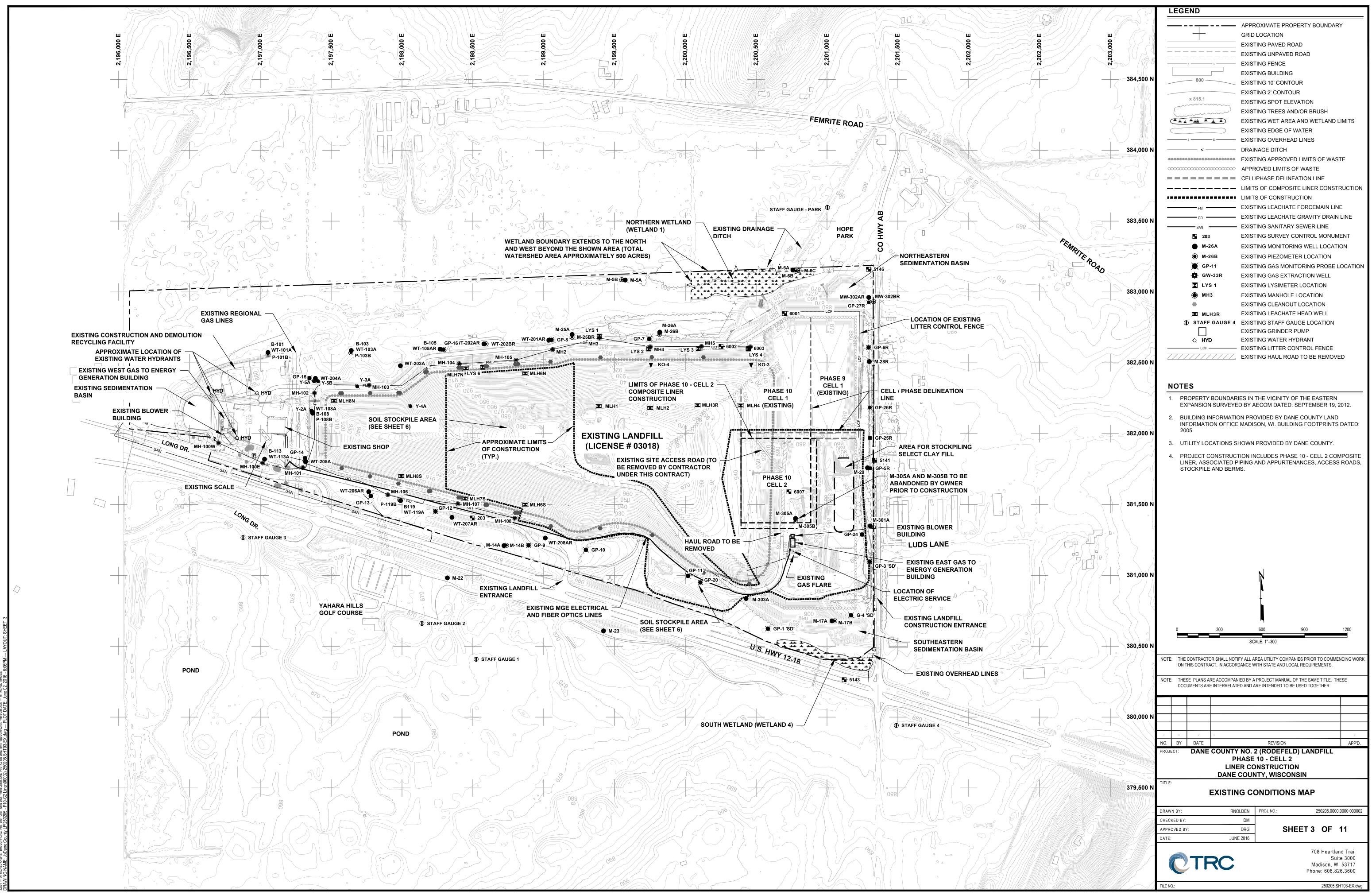
CP MEDIAN SO OF INLET NORTH SIDE MEDIAN 12/18 WEST OF CTH AB

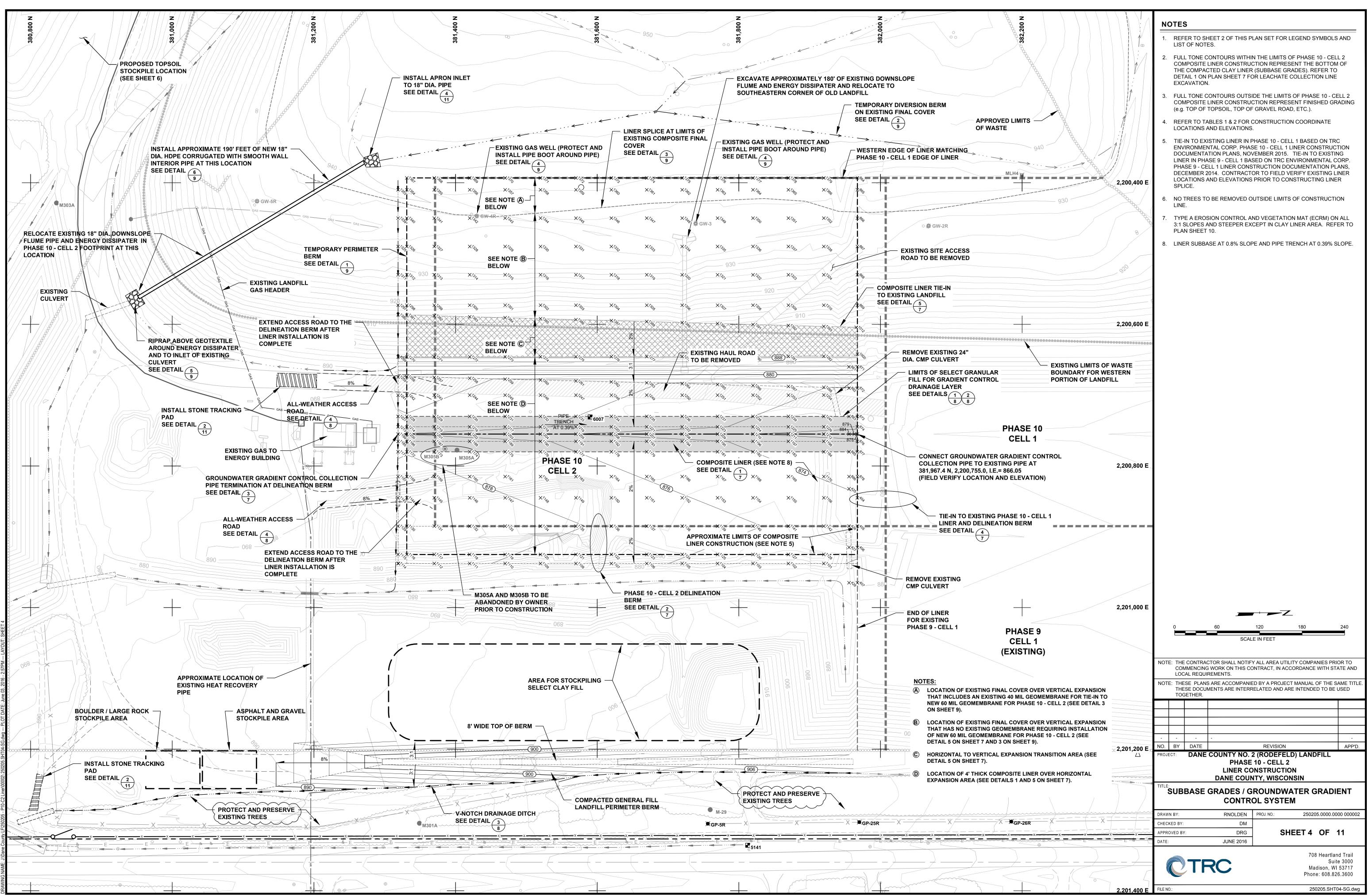
CP SPIKE IN GRAVEL DRIVE SW OF FO WEST END OF TALL FENCING NORTH OF P10 CELL 1

CP SPIKE SOUTH SIDE OF ACCESS ROAD WEST OF P10 CELL 1

BM CUT SQ. SW CORNER CONCRETE SLAB WEST OF BERM P10 SOUTH OF ACCESS ROAD BM TOP OF LIFT BRACE ON NORTH SIDE OF MH IN AREA OF P10 CELL 2

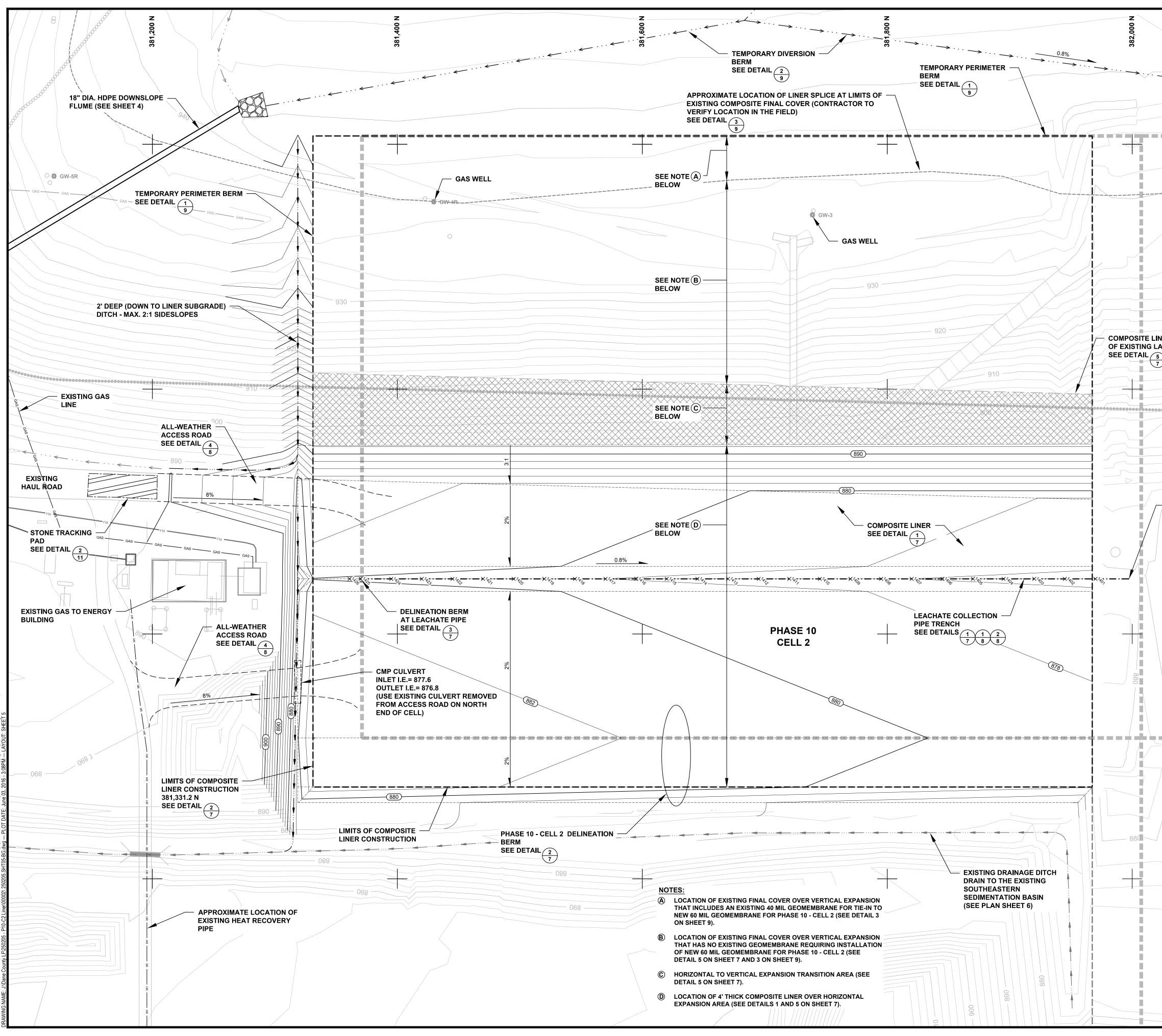
NOTE: THE CONTRACTOR SHALL NOTIFY ALL AREA UTILITY COMPANIES PRIOR TO COMMENCING WORK ON THIS CONTRACT, IN ACCORDANCE WITH STATE AND LOCAL REQUIREMENTS.							
NOT	NOTE: THESE PLANS ARE ACCOMPANIED BY A PROJECT MANUAL OF THE SAME TITLE. THESE DOCUMENTS ARE INTERRELATED AND ARE INTENDED TO BE USED TOGETHER.						
-	- BY	- DATE	-	REVISION			-
NO. PROJ			COUNTY NO. 2				APP'D.
PHASE 10 - CELL 2 LINER CONSTRUCTION DANE COUNTY, WISCONSIN							
STANDARD LEGEND AND GENERAL NOTES							
DRAWN BY: RNOLDEN			PROJ. NO.:	25020	05.0000.00	00 000002	
CHEC	CHECKED BY: DM						
APPROVED BY: DRG				SHEET 2 OF 11			
DATE: JUNE 2016							
	708 Heartland Trail Suite 3000 Madison, WI 53717 Phone: 608.826.3600					d Trail	
							53717



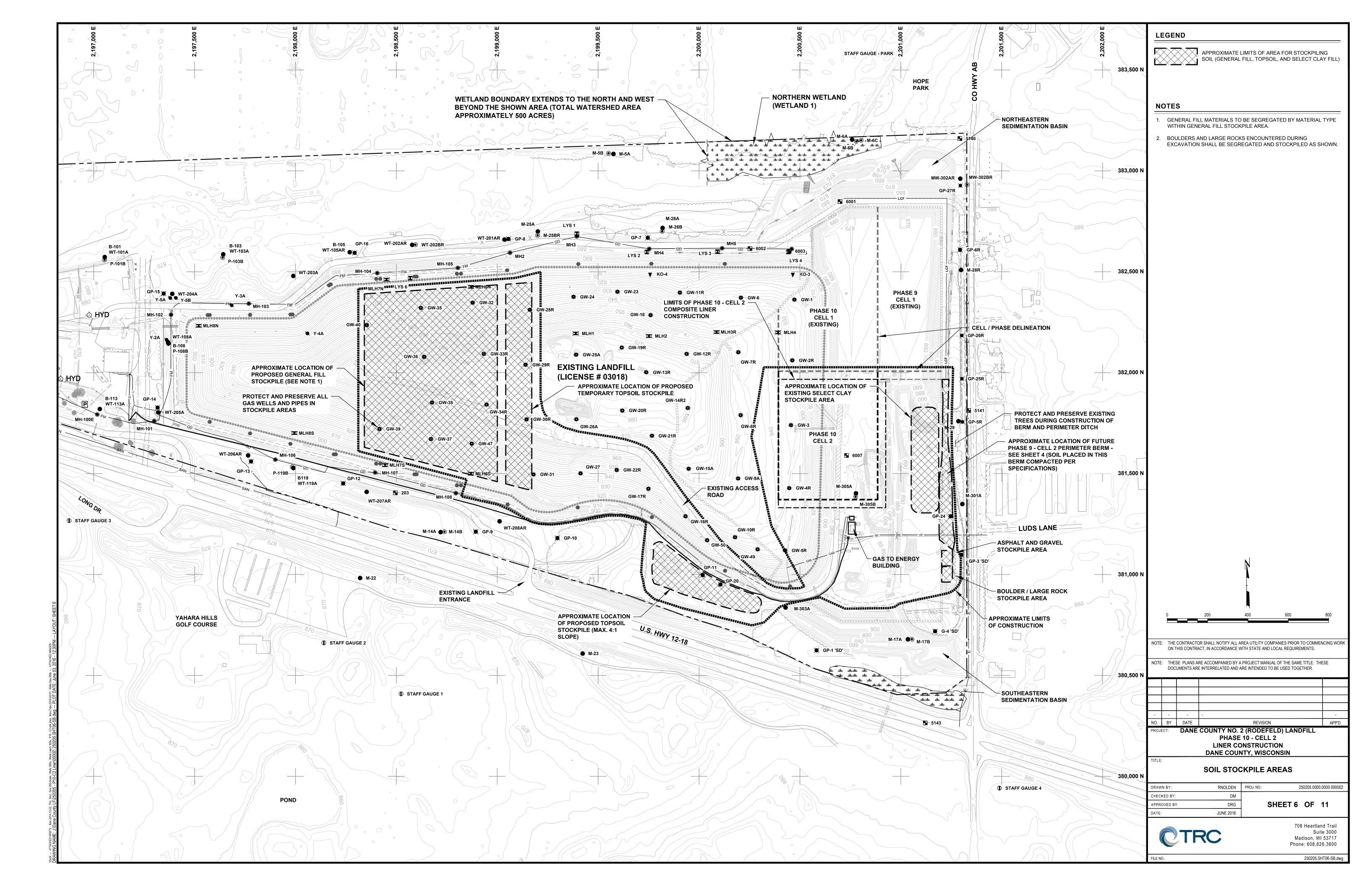


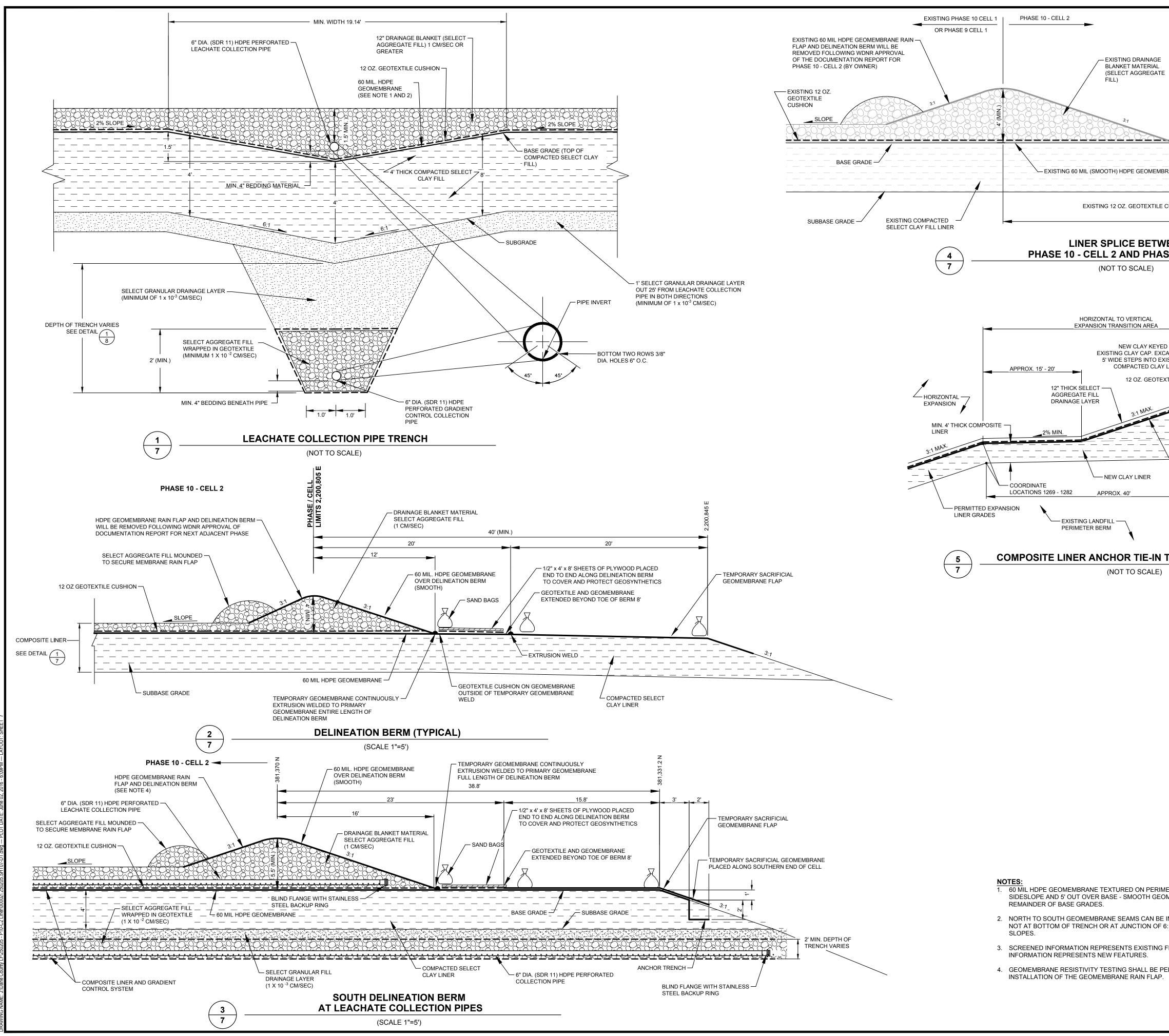
DXREFS: Bmc201412.02; Bmr; Wels Gas 1005; Wels Leach 1005; Grid 60:Scale; P10 - C2 ste prep; P10 - C2 Subbase Grades; Bmc-Topo 2016:02:01; P10 - C2 Subbase Coordinates --- ATTACHED IMAGE ME: JADAne County, LF250205 - P10-C2 Liner/000002/ 250205; SHT04-SG.dwg --- PLOT DATE; June 03; 2016 - 2:57PM --- LAYOUT; SHEET 4

и — АТТАСНЕП YBEF'S. Вим-2014.12.02. Вит. Wells Gae 100e. Welle I aarth 100e. We



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	1.		ER TO SH OF NOTI		PLAN SET FOR LE	GEND SYMBOL	S AND
	2.	CON CON	/IPOSITE /IPACTED	LINER CONSTR CLAY LINER (B	HIN THE LIMITS OF UCTION REPRESE ASE GRADES). RE TE COLLECTION LI	NT THE TOP OF FER TO DETAIL	= THE . 1 ON
	3.	FUL CON	L TONE C	ONTOURS OUT	SIDE THE LIMITS C UCTION REPRESE OF GRAVEL ROAD,	OF PHASE 10 - ( NT FINISHED G	CELL 2
	4.	REF	ER TO TA		GH 3 FOR CONSTR		RDINATE
2,200,400 E	5.	ENV DOC	IRONMEN CUMENTA	ITAL CORP. PH TION PLANS, NO	N PHASE 10 - CELL ASE 10 - CELL 1 LII OVEMBER 2015. T ASED ON TRC ENV	NER CONSTRU	CTION ING
		PHA DEC	SE 9 - CE EMBER 2 ATIONS A	LL 1 LINER CON 014. CONTRAC	NSTRUCTION DOCI TOR TO FIELD VER NS PRIOR TO CONS	UMENTATION F RIFY EXISTING	PLANS, LINER
○ 🖨 GW-2R	6.	CON	ITRACTO		SPHALT IN LOCATI OR CONSTRUCTIC		
	7.	VEG	ETATION	MAT (ECRM) O	PE A EROSION CC	AND STEEPER	EXCEPT
		IN C	LAY LINE	R AREA. REFE	R TO PLAN SHEET	10.	
IER TIE-IN AT TOP							
2,200,600 E							
•••••••••••••••••••••••••••••••••••••••							
PHASE 10 CELL 1							
(EXISTING)							
(FIELD VERIFY LOCATION AND ELEVATION)							
2,200,800 E		0		40	80	120	160
	NOT	Е: ТНЯ			ALE IN FEET		
		CON LOC E: THE THE	MENCING AL REQUI	WORK ON THIS ( REMENTS.	CONTRACT, IN ACCO NIED BY A PROJECT I RRELATED AND ARE	MANUAL OF THE	SAME TITLE.
	-	-	-	-			-
PHASE 9 CELL 1 2,201,000 E (EXISTING)	NO. PROJI	BY ECT:	DATE DANE	PHAS LINER C	REVISION 2. 2 (RODEFELD E 10 - CELL 2 CONSTRUCTION JNTY, WISCONS	4	APP'D.
	TITLE		GRAD	DES / LEAC		ECTION SY	STEM
		'N BY: KED BY:		RNOLDEN	PROJ. NO.:	250205.0000.0	0000 000002
		OVED BY	<b>/</b> :	DRG JUNE 2016		ET 5 OF	11
		C	TF	RC		708 Hearth Su Madison, V Phone: 608.8	uite 3000 VI 53717
	FILE N	0.:				250205.SH	T05-BG.dwg





NEW GEOMEMBRANE WELDED 7 TO EXISTING GEOMEMBRANE FULL LENGTH OF PHASE	A MINIMUM OF 4 STEPS)
CUSHION40'	
VEEN SE 10 - CELL 1	
EXISTING GENERAL FILL SOIL O IN TO AVATE LINER (EXISTING MIN. 2' THICK CLAY) LINER. KTILE	NOTES         1.       HORIZONTAL EXPANSION AREA - REMOVE TOPSOIL AND GENERAL FILL FROM SIDESLOPE OF EXISTING LANDFILL BERM TO THE SUBBASE GRADES SHOWN ON PLAN SHEET 4 AND PLACE MINIMUM 4' COMPOSITE LINER.         2.       VERTICAL EXPANSION AREA - REMOVE TOPSOIL AND GENERAL FILL FROM EXISTING FINAL COVER (SEE NOTES A AND B ON PLAN SHEETS 4 AND 5). LEAVE APPROXIMATELY 6" THICK LAYER OF GENERAL FILL OVER EXISTING GEOMEMBRANE IN AREA IDENTIFIED AS A. IN AREA WITH NO GEOMEMBRANE, IDENTIFIED AS AREA B, VERIFY EXISTING 2' THICK CLAY LAYER MEETS COMPACTION REQUIREMENTS PER SPECIFICATIONS OR RECOMPACT TO
	<ul> <li>SPECIFICATION REQUIREMENTS (SECTION 02320).</li> <li>SPECIFICATION REQUIREMENTS (SECTION 02320).</li> <li>PLACE 60 MIL. GEOMEMBRANE OVER 4' THICK CLAY HORIZONTAL EXPANSION LINER AND 2' THICK CLAY VERTICAL EXPANSION LINER. CONTINUOUS WELD 60 MIL. GEOMEMBRANE ENTIRE LENGTH OF PHASE.</li> <li>PLACE 12 OZ. GEOTEXTILE AND 1' THICK SELECT AGGREGATE DRAINAGE LAYER OVER HORIZONTAL EXPANSION AND ON VERTICAL OVER-LAP OF EXISTING SITE LANDFILL.</li> </ul>
(TEXTURED) COORDINATE LOCATIONS 1380 - 1393 EXISTING 5' CLAY LINER	5. BOLD INFORMATION REPRESENTS NEW LINER SYSTEM, SCREENED INFORMATION REPRESENTS EXISTING LINER AND FINAL COVER.
TO EXISTING LANDFILL	60 MIL. HDPE       GEOMEMBRANE         GEOMEMBRANE       GEOCOMPOSITE
	TOPSOIL     Image: Solid structure       Image: Solid structure     Image: Solid structure
	RIPRAP
	BARRIER LAYER FINE GRADED SOIL SELECT AGGREGATE FILL SELECT FOUNDRY BYPRODUCT
	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.
ETER BERM MEMBRANE OVER	-     -     -       NO.     BY     DATE     REVISION       PROJECT:     DANE COUNTY NO. 2 (RODEFELD) LANDFILL PHASE 10 - CELL 2 LINER CONSTRUCTION DANE COUNTY, WISCONSIN
IN PIPE TRENCH BUT 5:1 AND 2% LINER	DANE COUNTY, WISCONSIN DETAILS - HORIZONTAL AREA LINER, GRADIENT CONTROL, AND LEACHATE COLLECTION
FEATURES. BOLD ERFORMED PRIOR TO	DRAWN BY:RNOLDENPROJ. NO.:250205.0000.0000 000002CHECKED BY:DMAPPROVED BY:DRGDATE:JUNE 2016
	708 Heartland Trail         Suite 3000         Madison, WI 53717         Phone: 608.826.3600
	FILE NO.: 250205.SHT07-DT.dwg

