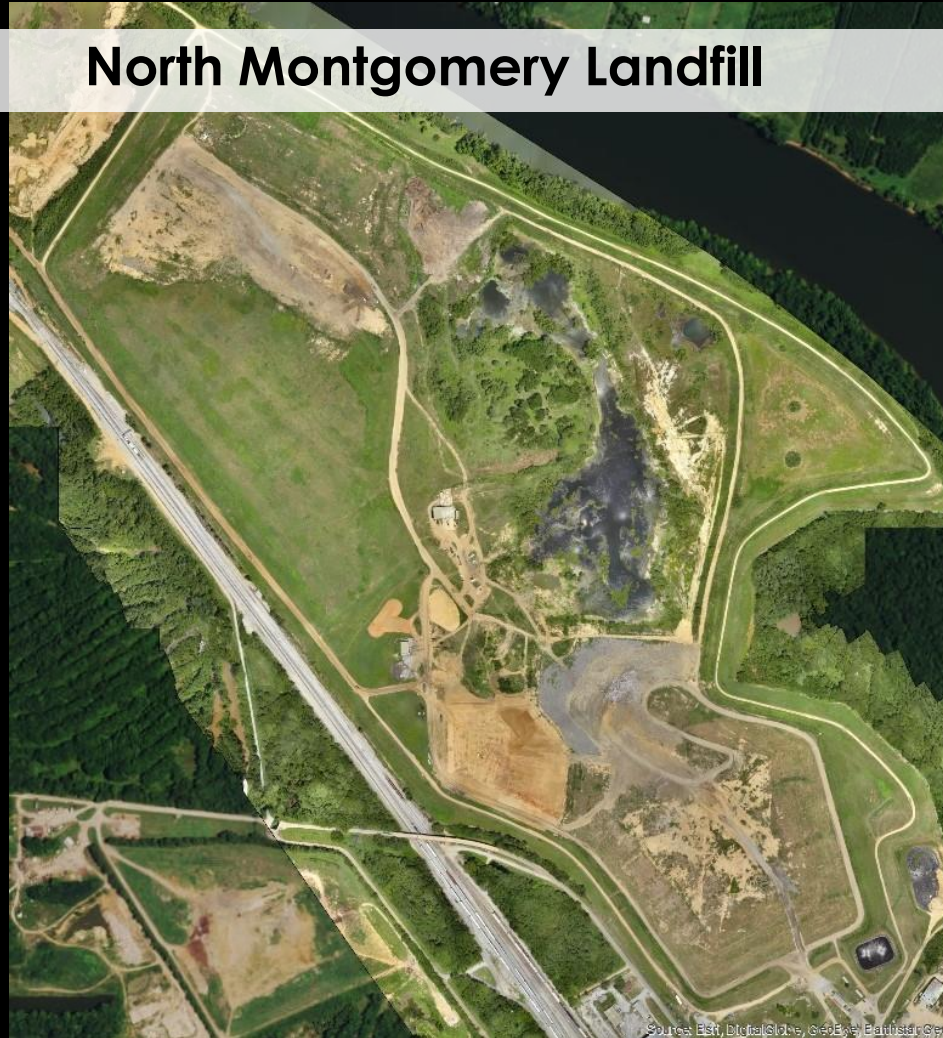


# Cell 10A Construction and LFG Expansion

## North Montgomery Landfill



Andalusia - Albertville – Auburn - Birmingham - Dothan – Gadsden - Huntsville

[www.cdge.com](http://www.cdge.com)

# Daniel Wells, P.E.

- Sr. Project Manager
- 15 Years Experience
- Registered professional engineer in AL, FL, GA, TN
- Director of Construction Services

# North Montgomery Landfill



# Projects Overview – Last 5 Yrs

- LFG System Remediation – 2013
- Installation of New LFG Flare – 2014
- LFG System Remediation – 2014/2015
- Cell 10A Construction – 2016
- IREP Compost Relocation - 2016
- LFG System Expansion - 2016

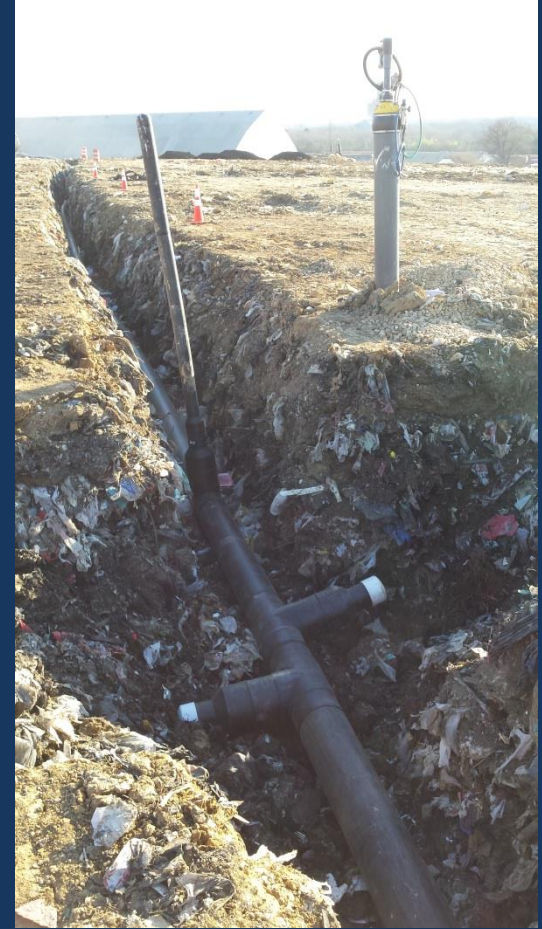
# LFG System Remediation - 2013



# LFG Flare Installation - 2014



# LFG System Remediation - 2014



# Cell 10A Construction - 2016



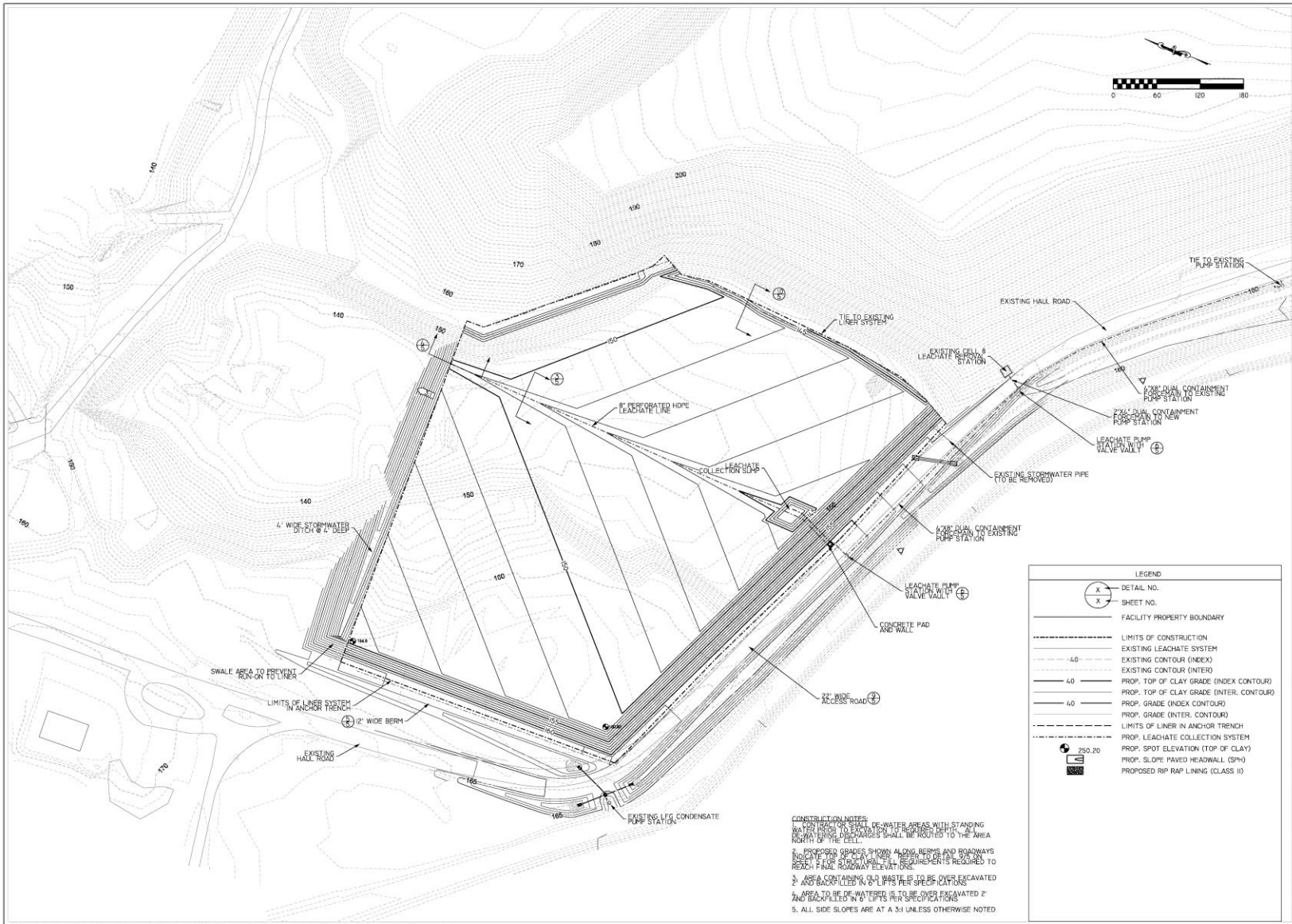


# Construction Challenges

- Relocate waste to reach subgrade
- De-watering, muck excavation, and backfill
- Liner tie-ins with previous cells
- Maintaining traffic to C/D disposal area
- Manage Leachate
- Accelerated construction schedule

# Cell 10A Construction - 2016





**CONSTRUCTION NOTES:**

1. CONSTRUCTION SHALL BE IN DRY WEATHER AREAS WITH STANDING WATER BEING TO EXPOSED. ALL BE REFINED TO THE AREA BEHIND OF THE CELL. ALL BE REFINED TO THE AREA BEHIND OF THE CELL.
2. PROPOSED GRADES SHOWN ALONG BERMS AND ROADWAYS INDICATE FOR SLOPE STABILIZATION. REVISIONS REQUIRED TO REACH FINAL ROADWAY ELEVATIONS.
3. AREA CONTAINING OLD WASTE IS TO BE OVER EXCAVATED 2' AND BACKFILLED IN 8" LIFTS PER SPECIFICATIONS.
4. AREA TO BE DE-WATERED IS TO BE OVER EXCAVATED 2' AND BACKFILLED IN 8" LIFTS PER SPECIFICATIONS.
5. ALL SIDE SLOPES ARE AT A 3:1 UNLESS OTHERWISE NOTED.

LEGEND	
	DETAIL NO.
	SHEET NO.
	FACILITY PROPERTY BOUNDARY
	LIMITS OF CONSTRUCTION
	EXISTING LEACHATE SYSTEM
	EXISTING CONTOUR (INDEX)
	EXISTING CONTOUR (INTER)
	PROP. TOP OF CLAY GRADE (INDEX CONTOUR)
	PROP. GRADE (INDEX CONTOUR)
	LIMITS OF LINER IN ANCHOR TRENCH
	PROP. LEACHATE COLLECTION SYSTEM
	PROP. SPOT ELEVATION (TOP OF CLAY)
	PROP. SLOPE PAVED HEADWALL (SP#) PROPOSED RIP RAP LINING (CLASS II)

**CELL 10 LINER CONSTRUCTION**  
**CELL 10A CONSTRUCTION**  
**NORTH MONTGOMERY LANDFILL**  
**MONTGOMERY, AL**



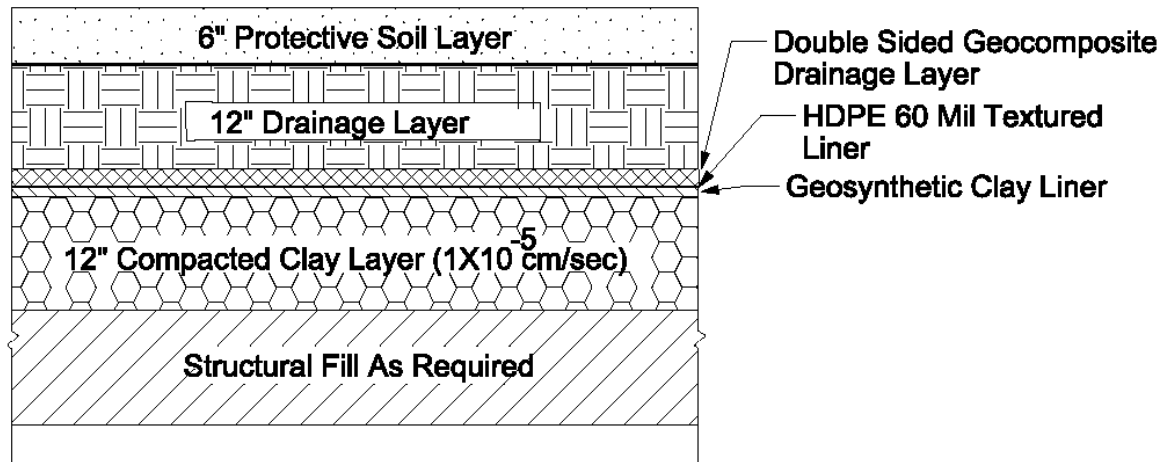
SCALE:	1"=60'
DATE:	APRIL 2016
DESIGNED BY:	ROW
DRAWN BY:	ROW
REVIEWED BY:	S.S.
QC REVIEWER:	JSA
REVISED:	
DGN:	
PROJECT NO.:	061683710
SHEET NO.:	03

**CDG**  
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# Composite Liner



Detail For Liner System Construction

# Waste Relocation



# De-watering



# Cell 10A Construction -Subgrade



# Tie-in to Existing Cells







# Maintain Traffic

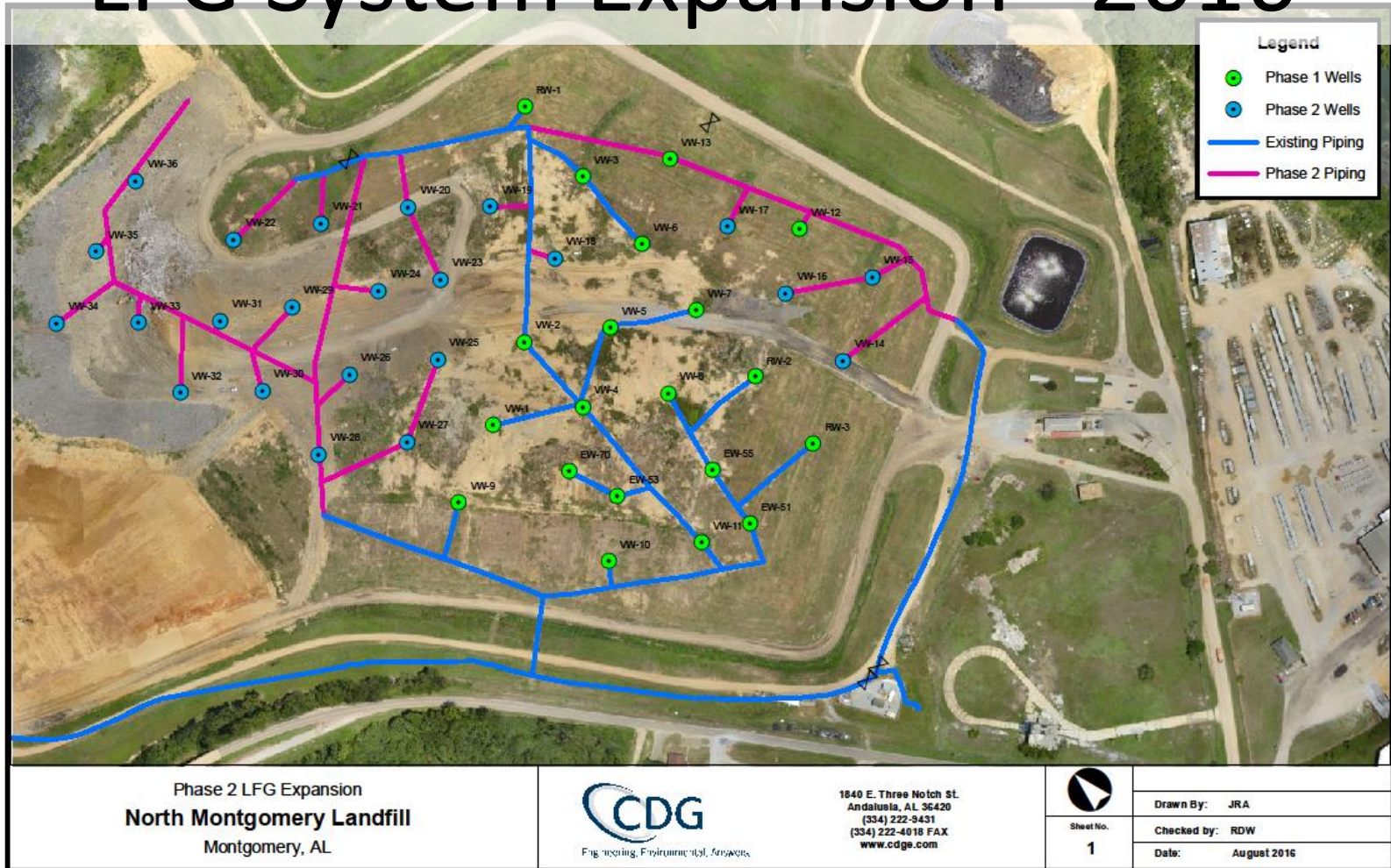


# IREP Compost Disposal





# LFG System Expansion - 2016









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