

- LEGEND**
- ACCESS ROADS BUILT PER PRIMARY HAULROAD DESIGN PLANS
  - EXISTING HAULROAD
  - CONVEYOR CENTERLINE
  - EQUIPMENT STAGING AREA
  - PRESTRIP AREA
  - D-SEAM AREA
  - EXISTING PERMANENT IMPOUNDMENT OUTSIDE 5 YR BOUNDARY
  - EXISTING PERMANENT SEDIMENTATION POND
  - EXISTING PERMANENT IMPOUNDMENT
  - PROPOSED PERMANENT IMPOUNDMENT
  - EXISTING TEMPORARY SEDIMENTATION POND
  - EXISTING TEMPORARY IMPOUNDMENT
  - TUB PAD
  - EXISTING TOPSOIL STOCKPILE
  - CONVEYOR MAINTENANCE ACCESS ROAD
  - LANDOWNER ACCESS ROAD
  - LSM-3 CORRIDOR EXPANSION/REVISION AREA
  - WASTE STOCKPILE
  - SHOP AREA
  - EXISTING SUBSTATION
  - PUMP STATION
  - EXISTING PRIME FARMLAND STOCKPILE
  - EXISTING OVERBURDEN STOCKPILE
  - LOAMITE STOCKPILE AREA
  - WATER WELL - P&A
  - WATER WELL - P&A
  - MONITORING WELL
  - MINE BLOCK FOR C-SEAM
  - MINING AREA LABEL
  - LSM-1-A PERMIT
  - 5 YR CURRENT APPLICATION AREA
  - DIVERSION - EXIST
  - PROPOSED DIVERSION
  - SECTION LINE
  - SECTION
  - CULTURAL SITE
  - EXISTING SLURRY WALL & LEVEE
  - EXISTING SLURRY WALL ONLY
  - EXISTING LEVEE ONLY
  - EXISTING POWER LINE
  - ABANDONED/REMOVED DWELLING
  - OCCUPIED DWELLING
  - PIT DISTURBANCE LINE
  - RAILROAD
  - WATER LOADOUT

**ENGINEERING RESOURCES LLC**  
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 COVINGTON, LA 70423  
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NO.	REVISIONS	BY	DATE

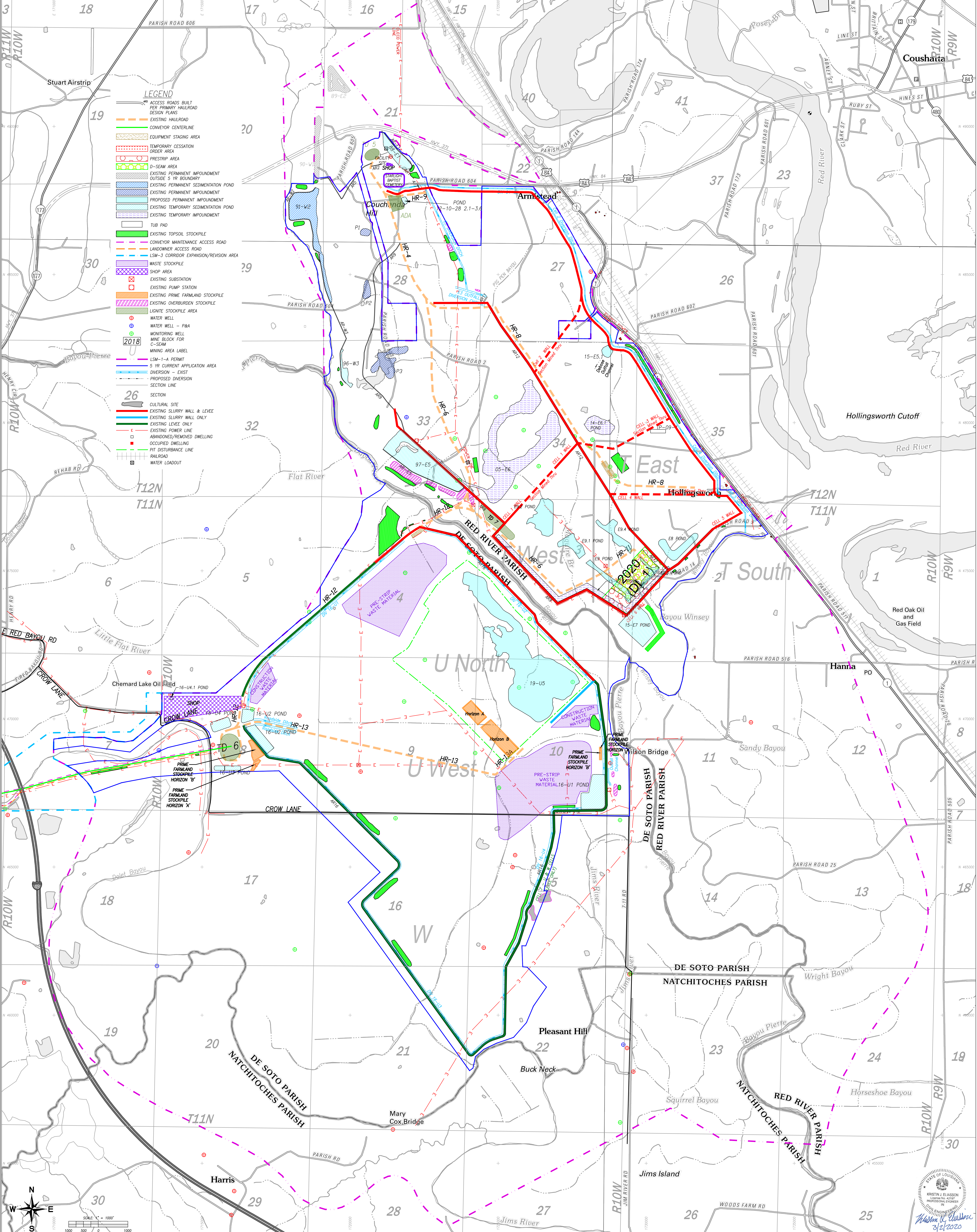
**SOUTHWESTERN ELECTRIC POWER COMPANY** DOLET HILLS LIGNITE™  
 An AEP Company

ENGINEER: D. METCALF K. ELASSON  
 DRAWN BY: M.L. PHILLIPS  
 CHECKED: [ ]  
 APPROVED: [ ]  
 SHEET NO.: EXHIBIT 8A-1  
 DATE: 03/02/20

STATE OF LOUISIANA  
 ENGINEERING BOARD  
 KATHLEEN ELASSON  
 License No. 42187  
 PROFESSIONAL ENGINEER  
 3/2/2020

**EXHIBIT 8A-1**  
**FIVE YEAR MINE PLAN**

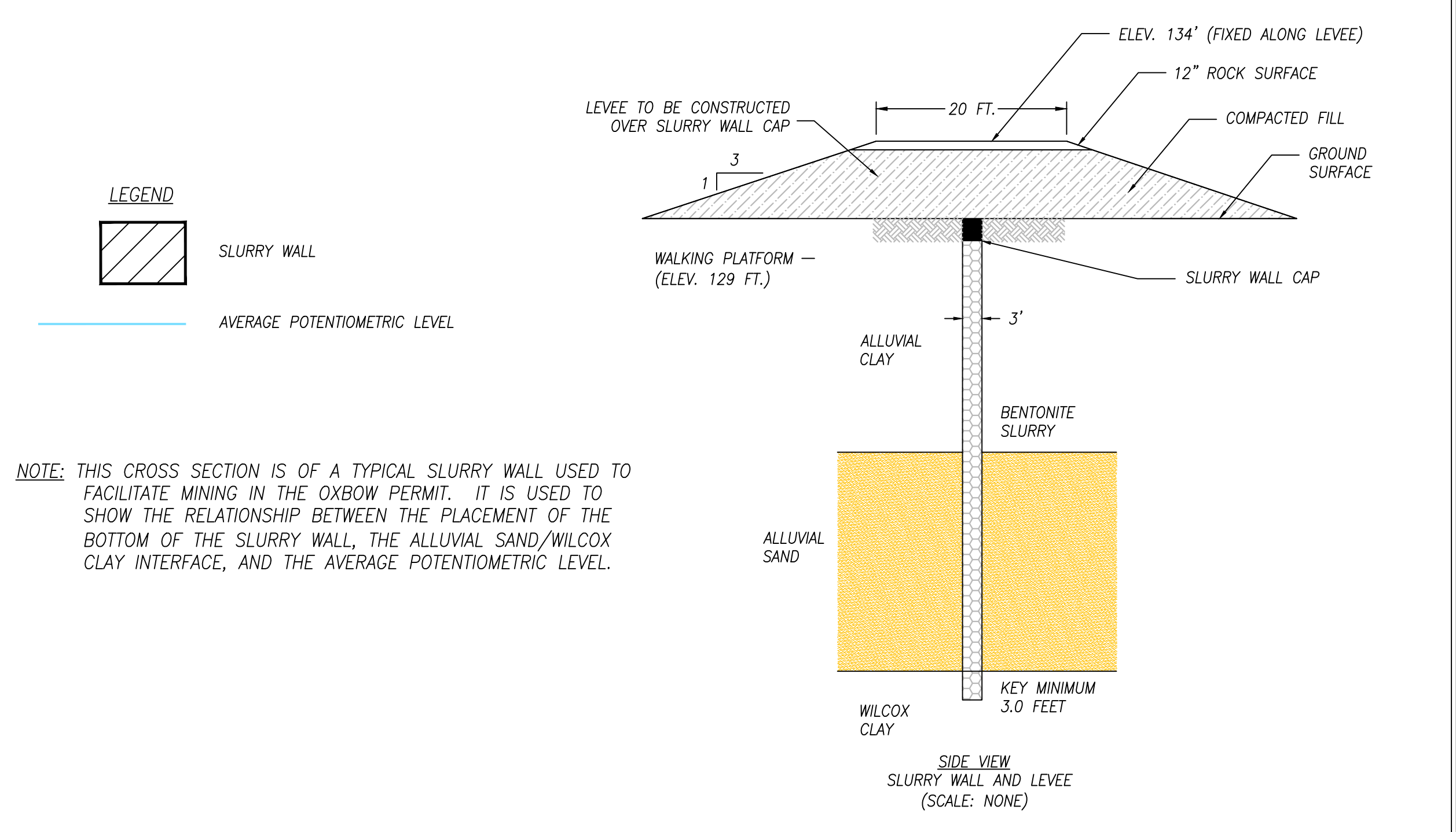
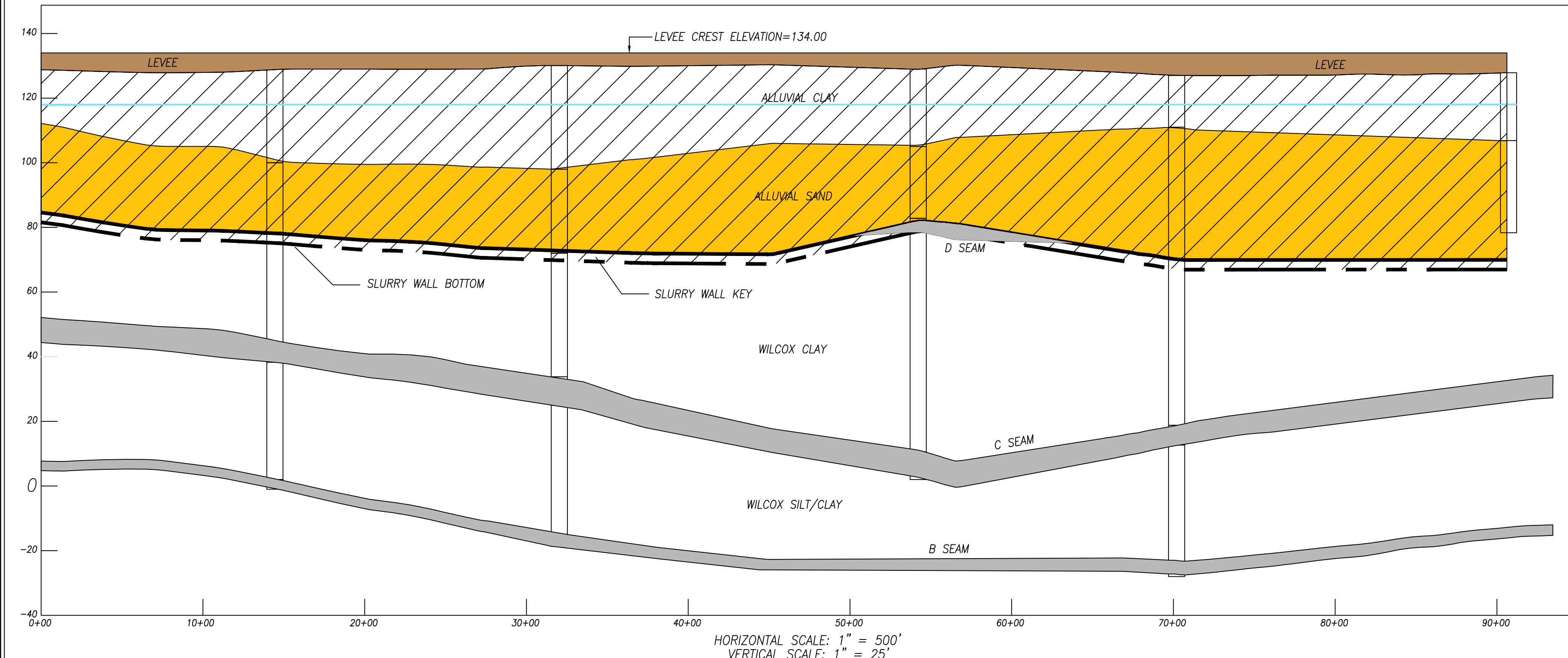




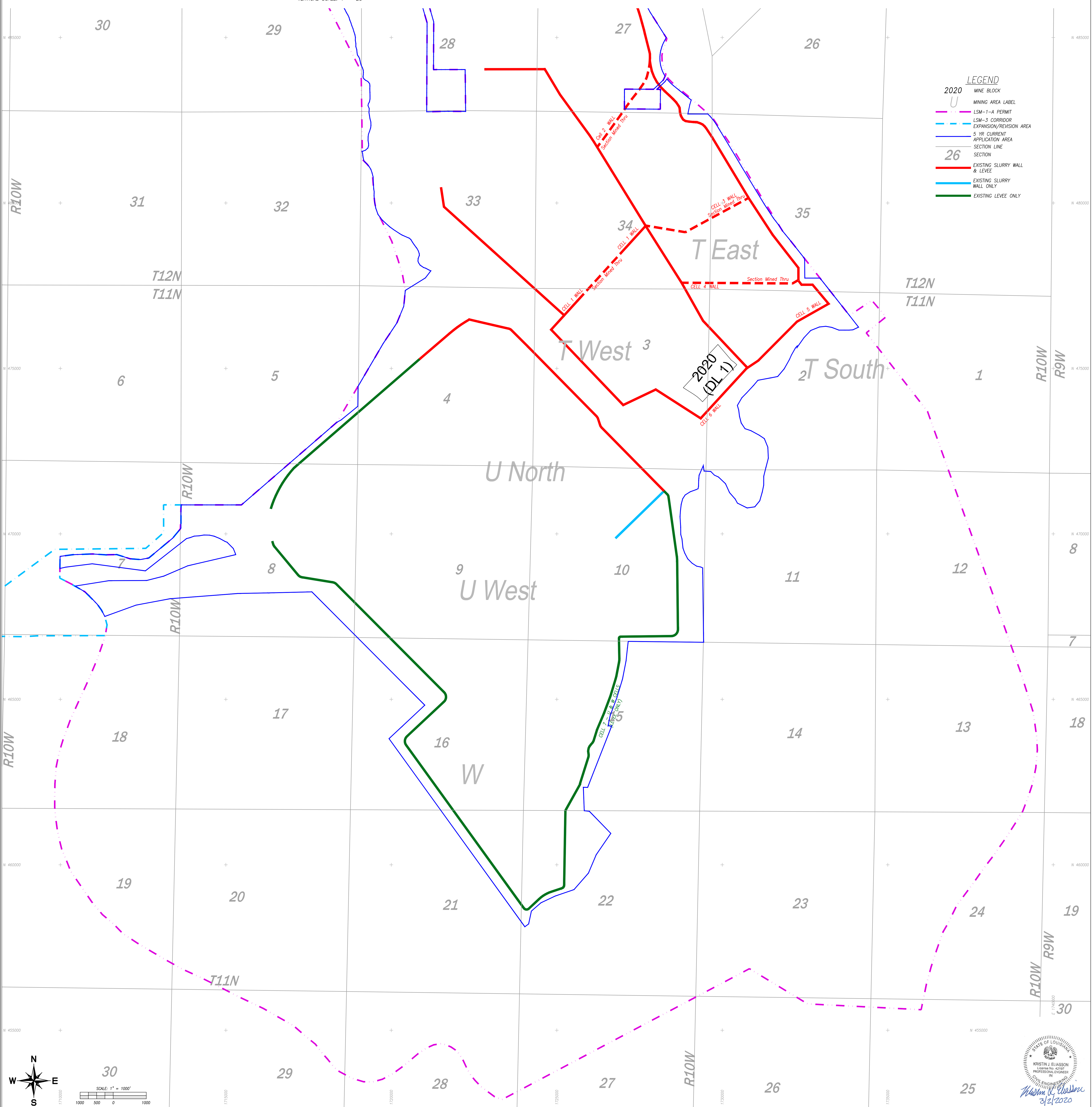
NO.	REVISIONS	BY	DATE







NOTE: THIS CROSS SECTION IS OF A TYPICAL SLURRY WALL USED TO FACILITATE MINING IN THE OXBOW PERMIT. IT IS USED TO SHOW THE RELATIONSHIP BETWEEN THE PLACEMENT OF THE BOTTOM OF THE SLURRY WALL, THE ALLUVIAL SAND/WILCOX CLAY INTERFACE, AND THE AVERAGE POTENTIOMETRIC LEVEL.



- LEGEND**
- 2020 MINE BLOCK
  - MINE AREA LABEL
  - LSM-1-A PERMIT
  - LSM-3 CORRIDOR EXPANSION/REVISION AREA
  - 5-YR CURRENT APPLICATION AREA
  - SECTION LINE
  - SECTION
  - EXISTING SLURRY WALL & LEVEE
  - EXISTING SLURRY WALL ONLY
  - EXISTING LEVEE ONLY

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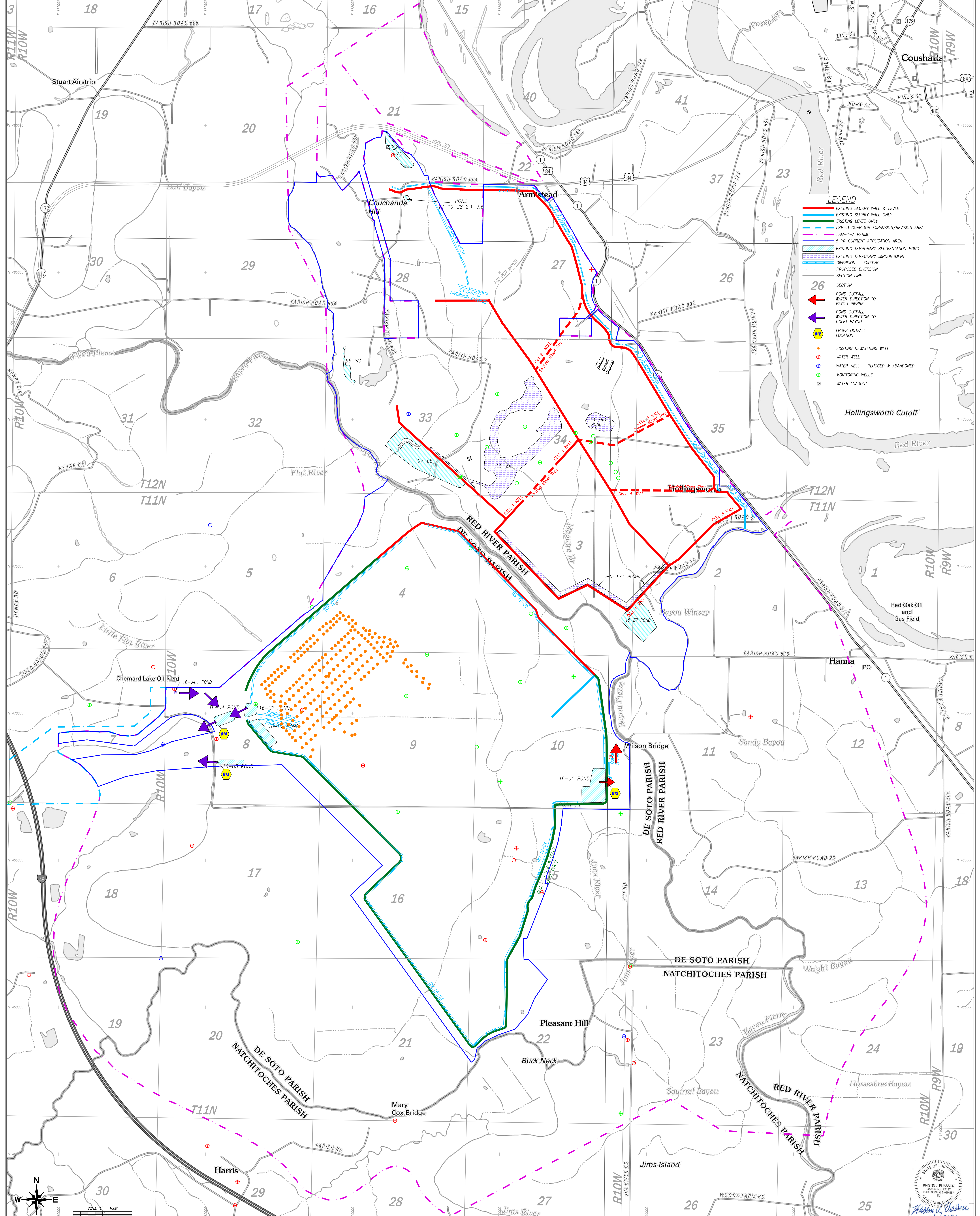
**SOUTHWESTERN ELECTRIC POWER COMPANY**  
 DOLET HILLS LIGNITE™  
 An AEP Company

ENGINEER: D. METCALF K. ELASSON  
 DRAWN BY: M.L. PHILLIPS  
 CHECKED: [ ]  
 APPROVED: [ ]  
 DRAWING NO.: 2020-25 (Design Area) Original, Submittal, Section 8  
 SHEET NO.: EXHIBIT 8A-3

**EXHIBIT 8A-3**  
 TYPICAL SLURRY WALL & LEVEE LAYOUT  
 CELL 6 & CELL 8  
 DATE: 03/02/20





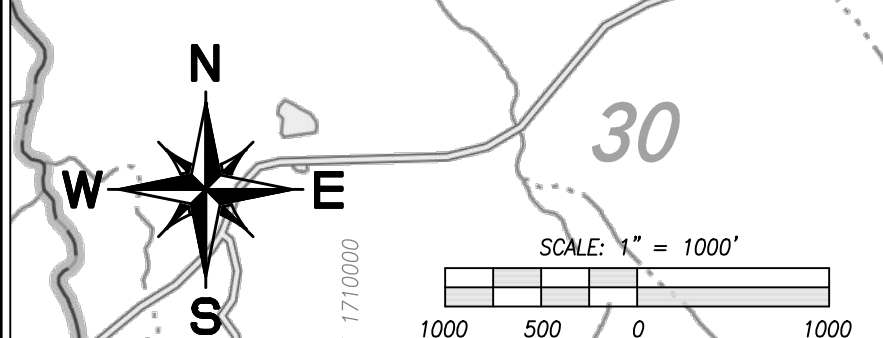


**LEGEND**

- EXISTING SLURRY WALL & LEVEE
- EXISTING SLURRY WALL ONLY
- EXISTING LEVEE ONLY
- - - LSM-3 CORRIDOR EXPANSION/REVISION AREA
- - - LSM-1-A PERMIT
- - - 5 YR CURRENT APPLICATION AREA
- EXISTING TEMPORARY SEDIMENTATION POND
- EXISTING TEMPORARY IMPROVEMENT DIVERSION - EXISTING
- PROPOSED DIVERSION SECTION LINE

**26**

- ← POND OUTFALL WATER DIRECTION TO BAYOU PIERRE
- ← POND OUTFALL WATER DIRECTION TO DOLET BAYOU
- LPDES OUTFALL LOCATION
- EXISTING DEWATERING WELL
- WATER WELL
- WATER WELL - PLUGGED & ABANDONED
- MONITORING WELLS
- WATER LOADOUT



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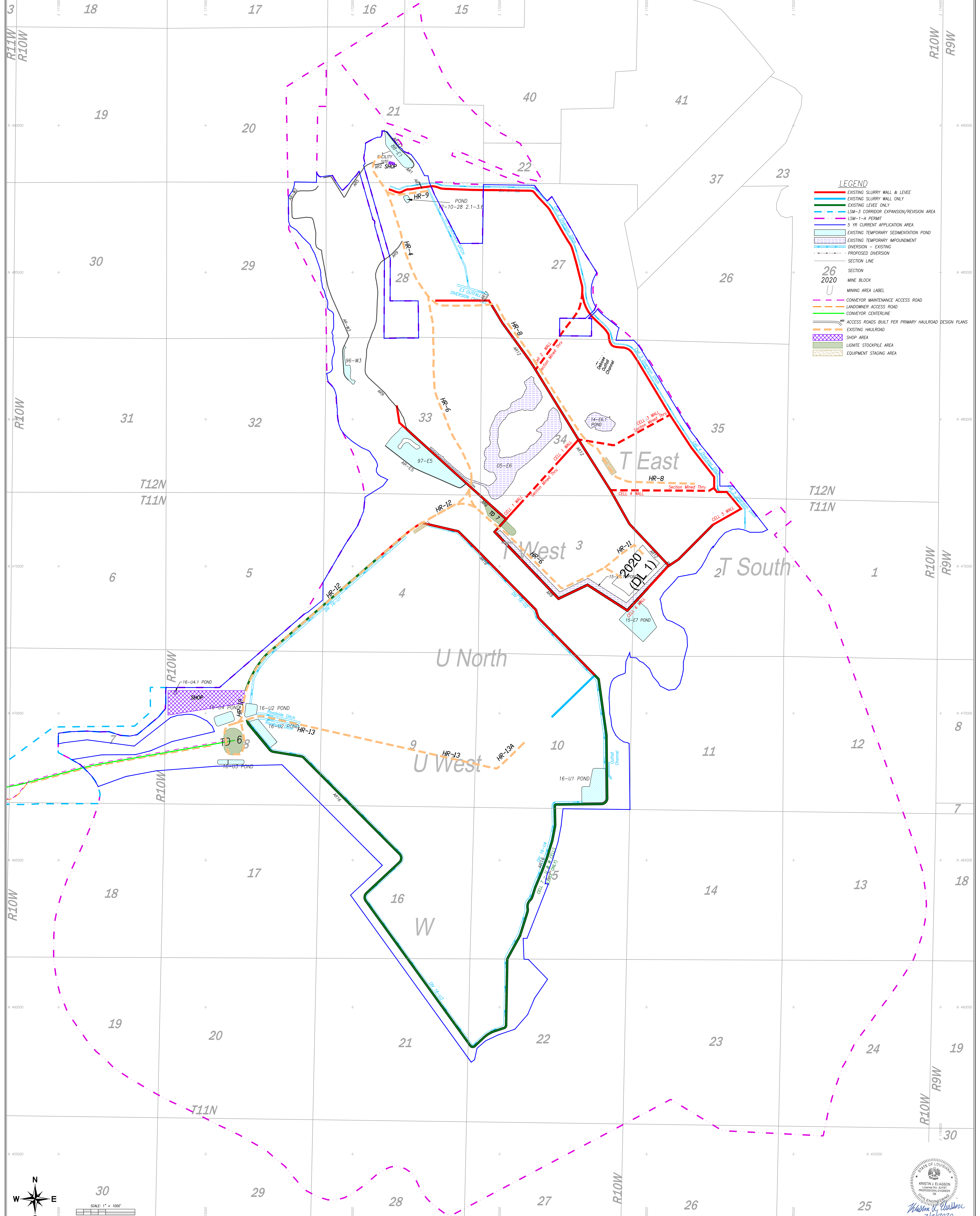
**SOUTHWESTERN ELECTRIC POWER COMPANY** DOLET HILLS LIGNITE™  
 An AEP Company

ENGINEER: D. METCALF & K. ELIASSON  
 DRAWN BY: M.L. PHILLIPS  
 CHECKED: [ ]  
 APPROVED: [ ]  
 SHEET NO.: EXHIBIT 8A-4  
 DATE: 03/02/20

**EXHIBIT 8A-4**  
 DEWATERING LAYOUT  
 CELL 6 & 7  
 DATE: 03/02/20







- LEGEND**
- EXISTING SLURRY WALL & LEVEE
  - EXISTING SLURRY WALL ONLY
  - EXISTING LEVEE ONLY
  - LSM-3 CORRIDOR EXPANSION/REVISION AREA
  - LSM-1-A PERMIT
  - 5 YR CURRENT APPLICATION AREA
  - EXISTING TEMPORARY SEDIMENTATION POND
  - EXISTING TEMPORARY IMPONDMENT
  - DIVERSION - EXISTING
  - PROPOSED DIVERSION
  - SECTION LINE
  - SECTION
  - MINE BLOCK
  - MINING AREA LABEL
  - CONVEYOR MAINTENANCE ACCESS ROAD
  - LANDOWNER ACCESS ROAD
  - CONVEYOR CENTERLINE
  - ACCESS ROADS BUILT PER PRIMARY HAULROAD DESIGN PLANS
  - EXISTING HAULROAD
  - SHOP AREA
  - LIGNITE STOCKPILE AREA
  - EQUIPMENT STAGING AREA

**ER ENGINEERING RESOURCES LLC**  
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NO.	REVISIONS	BY	DATE

**SOUTHWESTERN ELECTRIC POWER COMPANY** DOLET HILLS LIGNITE™  
 An AEP Company

ENGINEER: D. METCALF K. ELIASSON	CHECKED:
DRAWN BY: M.L. PHILLIPS	APPROVED:
DRAWING NO.: 2020-25 (Region Asset Detail - Sectional - Section 8)	SHEET NO.: EXHIBIT 8.B.5-1

**EXHIBIT 8.B.5-1**  
 ROAD SYSTEMS  
 DATE: 03/02/20

