

- LEGEND**
- EROSION CONTROL BLANKET
 - HEAVY DUTY EROSION CONTROL BLANKET
 - PERIMETER EROSION BARRIER
 - PERIMETER EROSION BARRIER SPECIAL TEMPORARY FENCE
 - INLET AND PIPE PROTECTION
 - INLET FILTERS
 - CULVERT INLET PROTECTION-STONE
 - TEMPORARY DITCH CHECK
 - STABILIZED CONSTRUCTION ENTRANCE
 - CONCRETE TRUCK WASHOUT
 - CONSTRUCTION WORK ZONE
 - TEMPORARY PAVEMENT
 - EXISTING WETLANDS

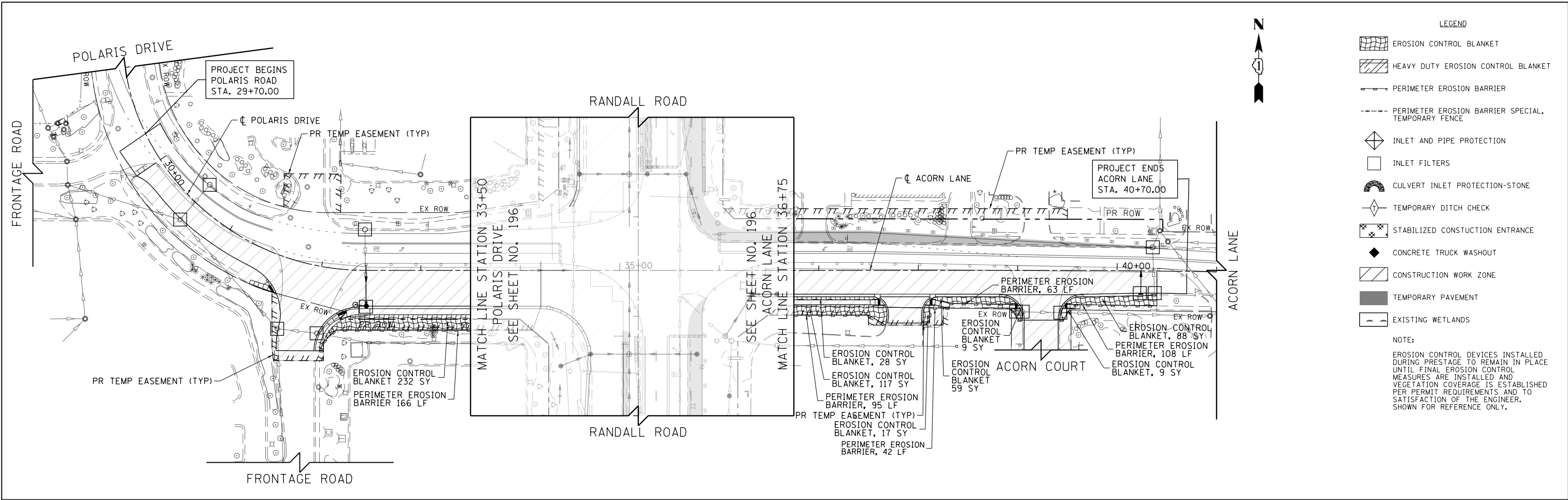
NOTE:
 EROSION CONTROL DEVICES INSTALLED DURING PRESTAGE TO REMAIN IN PLACE UNTIL FINAL EROSION CONTROL MEASURES ARE INSTALLED AND VEGETATION COVERAGE IS ESTABLISHED PER PERMIT REQUIREMENTS AND TO SATISFACTION OF THE ENGINEER. SHOWN FOR REFERENCE ONLY.

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PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EROSION AND SEDIMENT CONTROL DETAILS COMMERCIAL DRIVE (COSTCO/AMC) STAGE 1			
SCALE: 1" = 50'	SHEET 9 OF 11 SHEETS	STA 200+00 TO STA 206+50	

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	201
CONTRACT NO.			61E53	
ILLINOIS FED. AID PROJECT				



- LEGEND**
- EROSION CONTROL BLANKET
 - HEAVY DUTY EROSION CONTROL BLANKET
 - PERIMETER EROSION BARRIER
 - PERIMETER EROSION BARRIER SPECIAL TEMPORARY FENCE
 - INLET AND PIPE PROTECTION
 - INLET FILTERS
 - CULVERT INLET PROTECTION-STONE
 - TEMPORARY DITCH CHECK
 - STABILIZED CONSTRUCTION ENTRANCE
 - CONCRETE TRUCK WASHOUT
 - CONSTRUCTION WORK ZONE
 - TEMPORARY PAVEMENT
 - EXISTING WETLANDS
- NOTE:**
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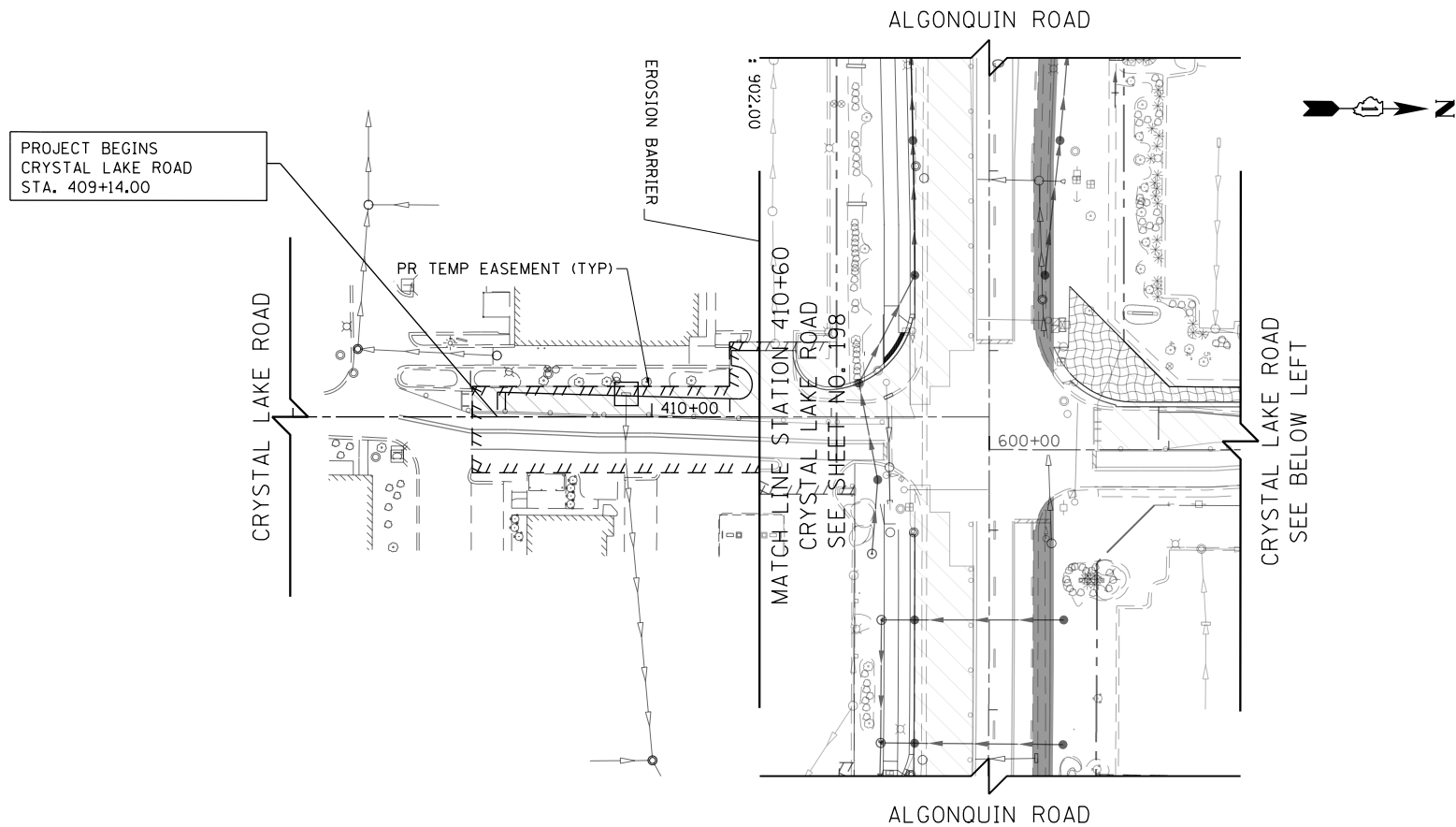
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PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL DETAILS
 POLARIS DRIVE /ACORN LANE STAGE 1**

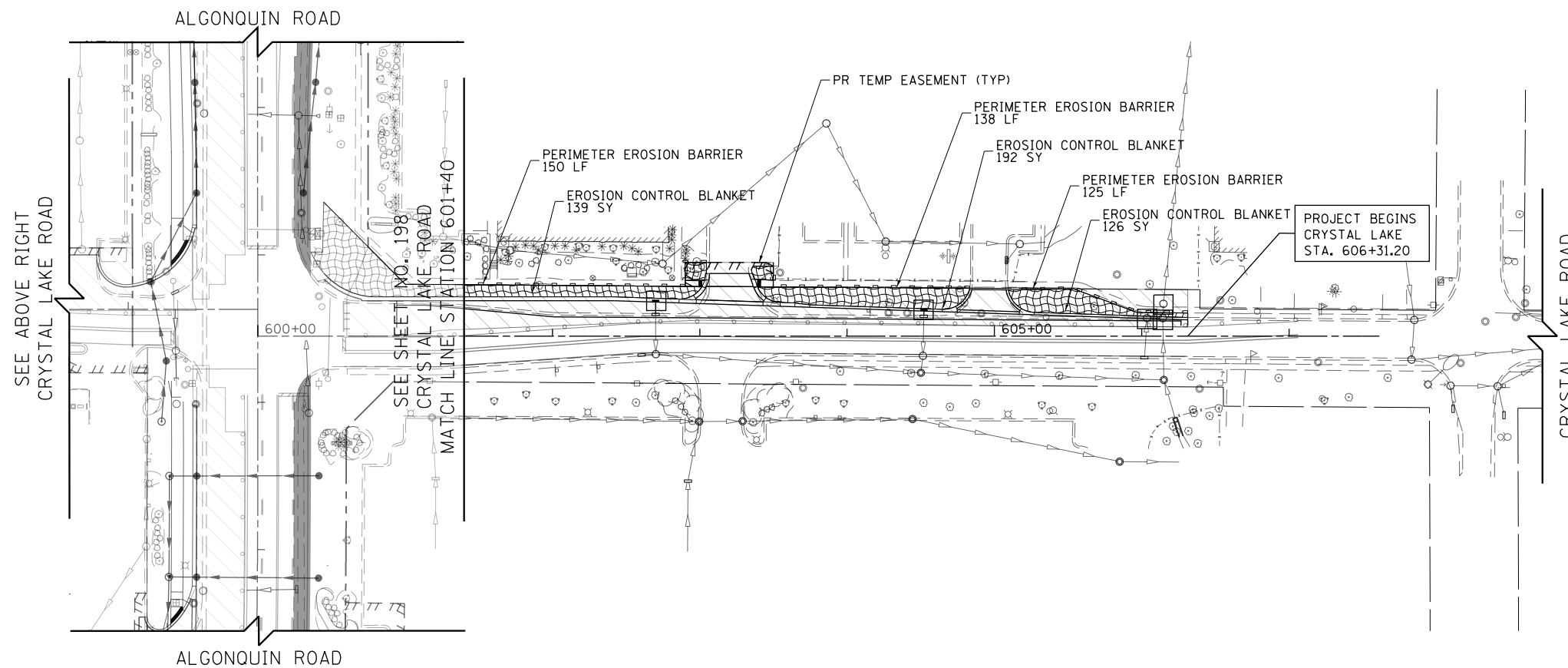
SCALE: 1" = 50' SHEET 10 OF 11 SHEETS STA 28+00 TO STA 41+00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	202
CONTRACT NO.			61E53	
ILLINOIS FED. AID PROJECT				



- LEGEND**
- EROSION CONTROL BLANKET
 - HEAVY DUTY EROSION CONTROL BLANKET
 - PERIMETER EROSION BARRIER
 - PERIMETER EROSION BARRIER SPECIAL TEMPORARY FENCE
 - INLET AND PIPE PROTECTION
 - INLET FILTERS
 - CULVERT INLET PROTECTION-STONE
 - TEMPORARY DITCH CHECK
 - STABILIZED CONSTRUCTION ENTRANCE
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 - CONSTRUCTION WORK ZONE
 - TEMPORARY PAVEMENT
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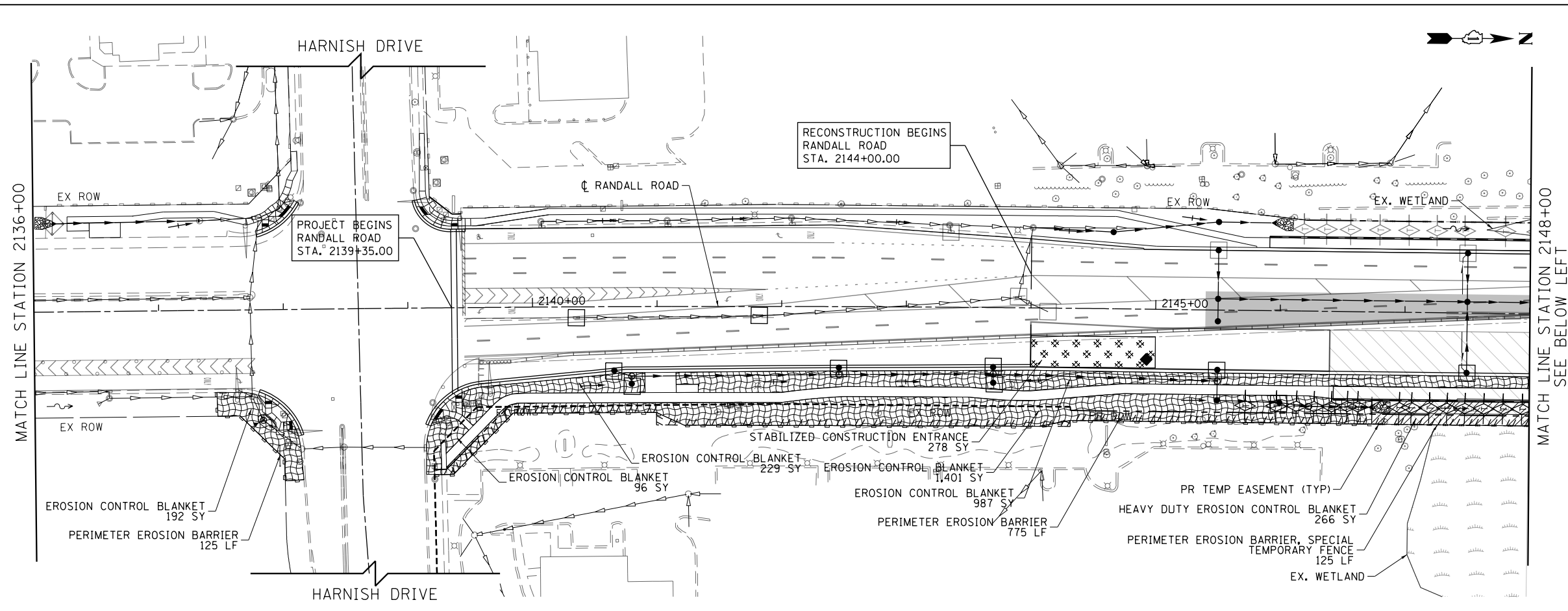
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

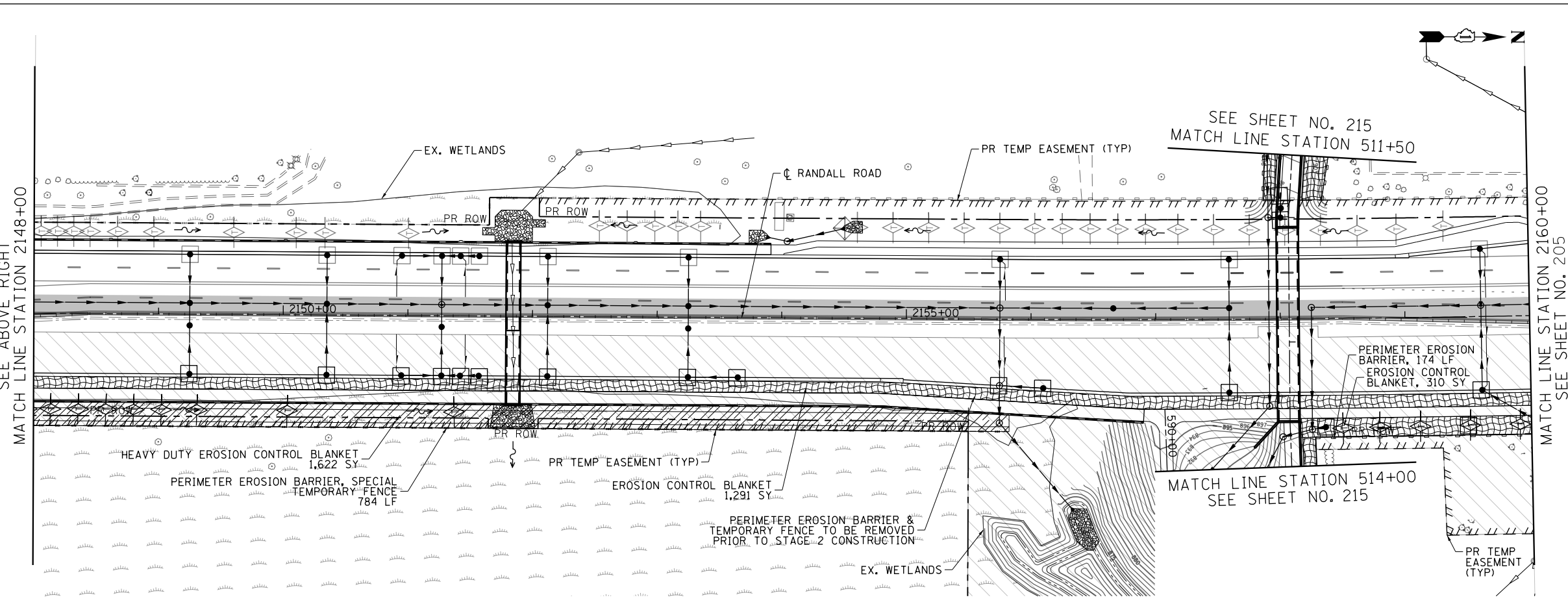
**EROSION AND SEDIMENT CONTROL DETAILS
CRYSTAL LAKE ROAD STAGE 1**

SCALE: 1" = 50' SHEET 11 OF 11 SHEETS STA 408+00 TO STA 607+50

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	203
CONTRACT NO.			61E53	
ILLINOIS FED. AID PROJECT				



- LEGEND**
- EROSION CONTROL BLANKET
 - HEAVY DUTY EROSION CONTROL BLANKET
 - PERIMETER EROSION BARRIER
 - PERIMETER EROSION BARRIER SPECIAL TEMPORARY FENCE
 - INLET AND PIPE PROTECTION
 - INLET FILTERS
 - CULVERT INLET PROTECTION-STONE
 - TEMPORARY DITCH CHECK
 - STABILIZED CONSTRUCTION ENTRANCE
 - CONCRETE TRUCK WASHOUT
 - CONSTRUCTION WORK ZONE
 - TEMPORARY PAVEMENT
 - EXISTING WETLANDS
- NOTE:**
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 ITASC, ILLINOIS

USER NAME = mrc155	DESIGNED - JLT	REVISED -
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PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

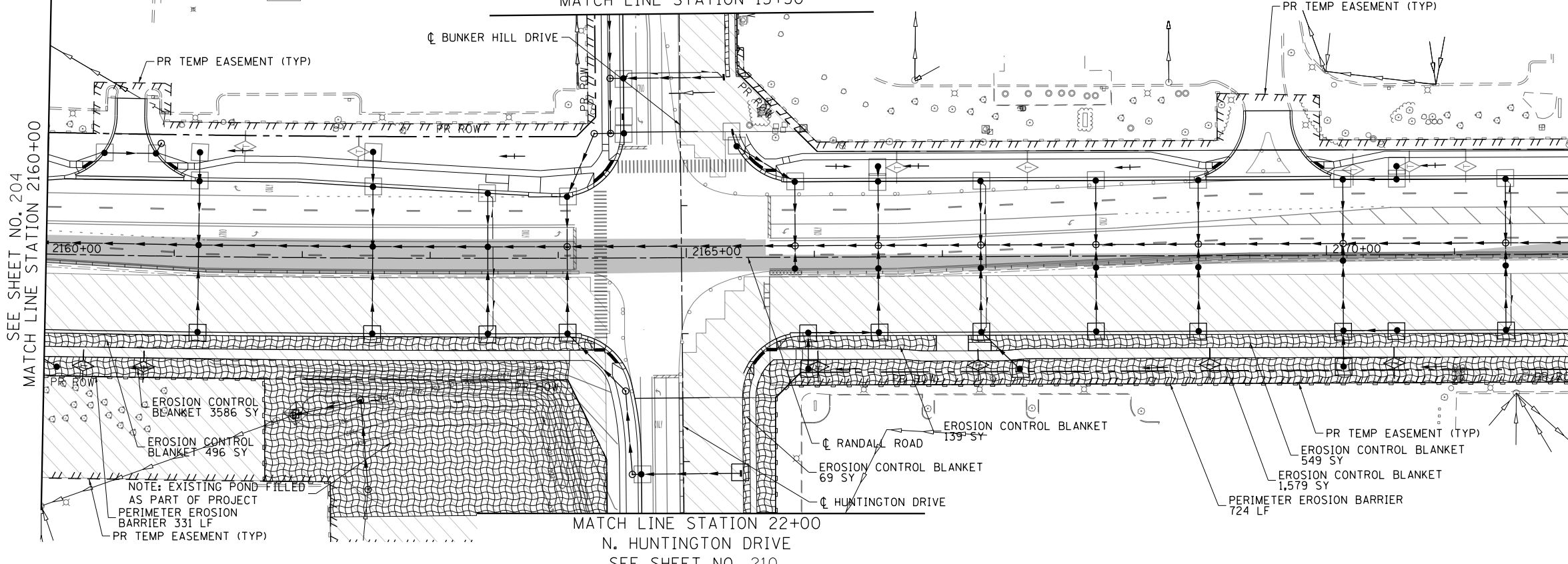
EROSION AND SEDIMENT CONTROL DETAILS
RANDALL ROAD STAGE 2
 SCALE: 1" = 50' SHEET 1 OF 13 SHEETS STA 2136+00 TO STA 2160+00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	204
			CONTRACT NO.	61E53
ILLINOIS FED. AID PROJECT				

SEE SHEET NO. 210
BUNKER HILL DRIVE
MATCH LINE STATION 15+50

SEE SHEET NO. 204
MATCH LINE STATION 2160+00

MATCH LINE STATION 2172+00
SEE BELOW LEFT

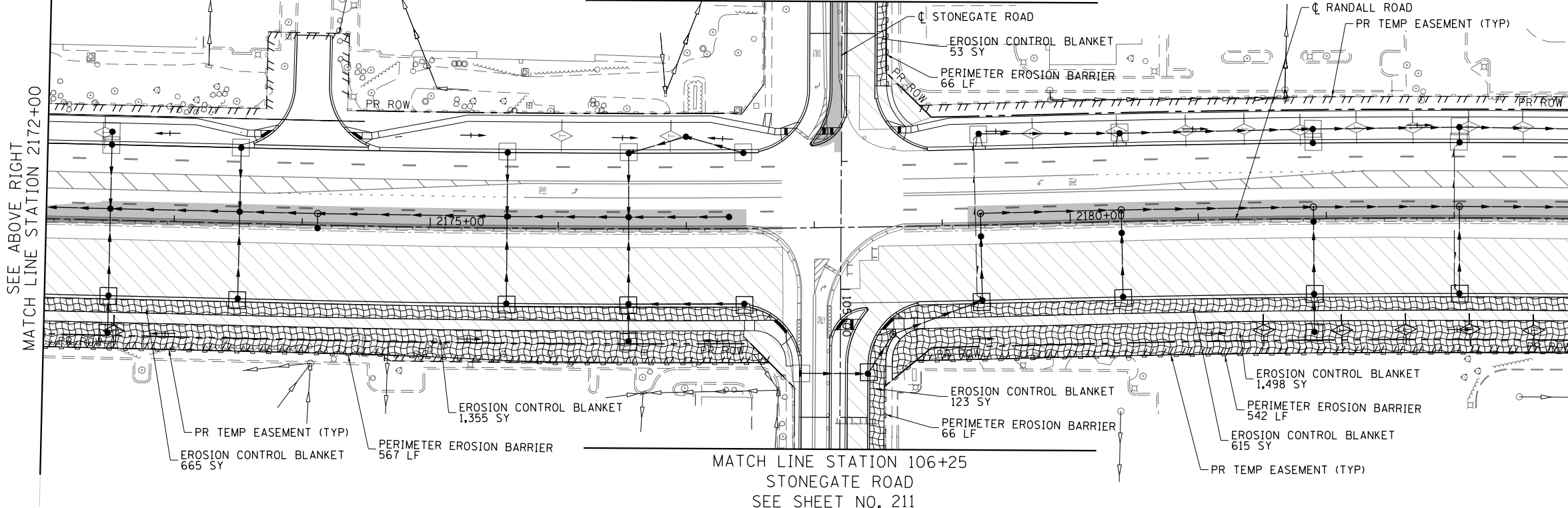


- LEGEND**
- EROSION CONTROL BLANKET
 - HEAVY DUTY EROSION CONTROL BLANKET
 - PERIMETER EROSION BARRIER
 - PERIMETER EROSION BARRIER SPECIAL TEMPORARY FENCE
 - INLET AND PIPE PROTECTION
 - INLET FILTERS
 - CULVERT INLET PROTECTION-STONE
 - TEMPORARY DITCH CHECK
 - STABILIZED CONSTRUCTION ENTRANCE
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 - CONSTRUCTION WORK ZONE
 - TEMPORARY PAVEMENT
 - EXISTING WETLANDS
- NOTE:**
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SEE SHEET NO. 211
STONEGATE ROAD
MATCH LINE STATION 102+75

SEE ABOVE RIGHT
MATCH LINE STATION 2172+00

MATCH LINE STATION 2184+00
SEE SHEET NO. 206



USER NAME = mrc155	DESIGNED - JLT	REVISED -
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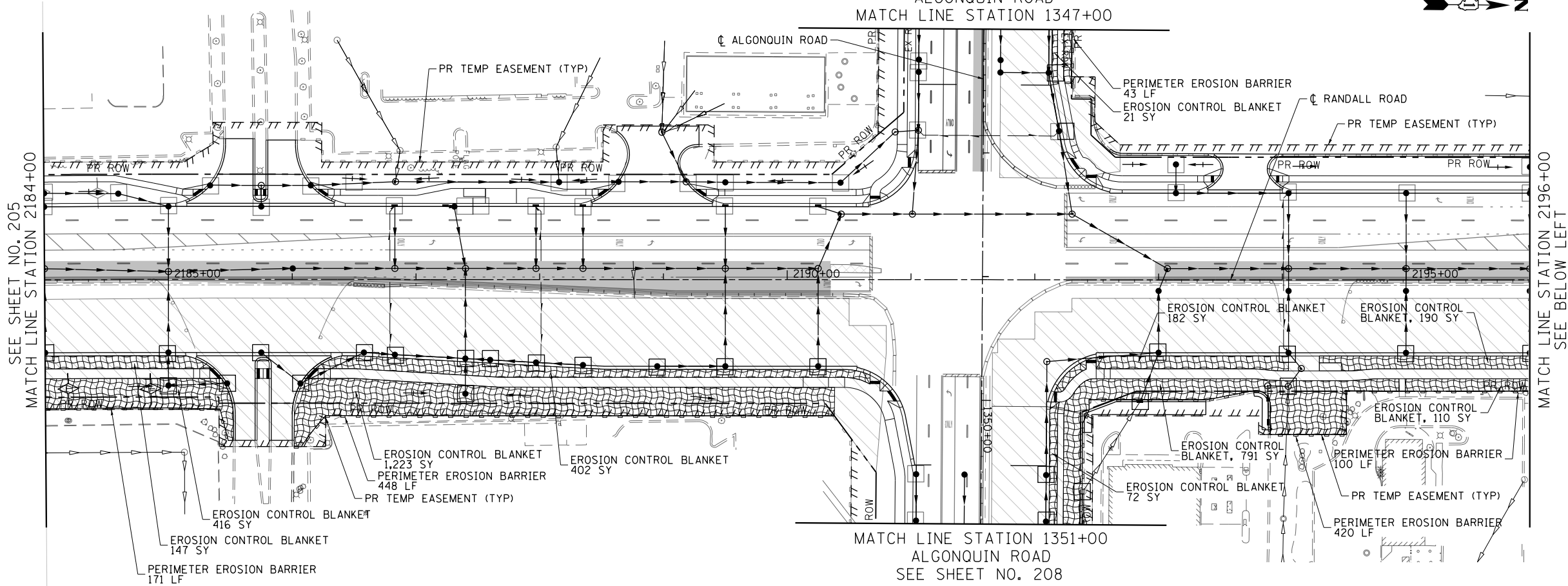
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL DETAILS
RANDALL ROAD STAGE 2**

SCALE: 1" = 50' SHEET 2 OF 13 SHEETS STA 2160+00 TO STA 2184+00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	205
			CONTRACT NO.	61E53
ILLINOIS FED. AID PROJECT				

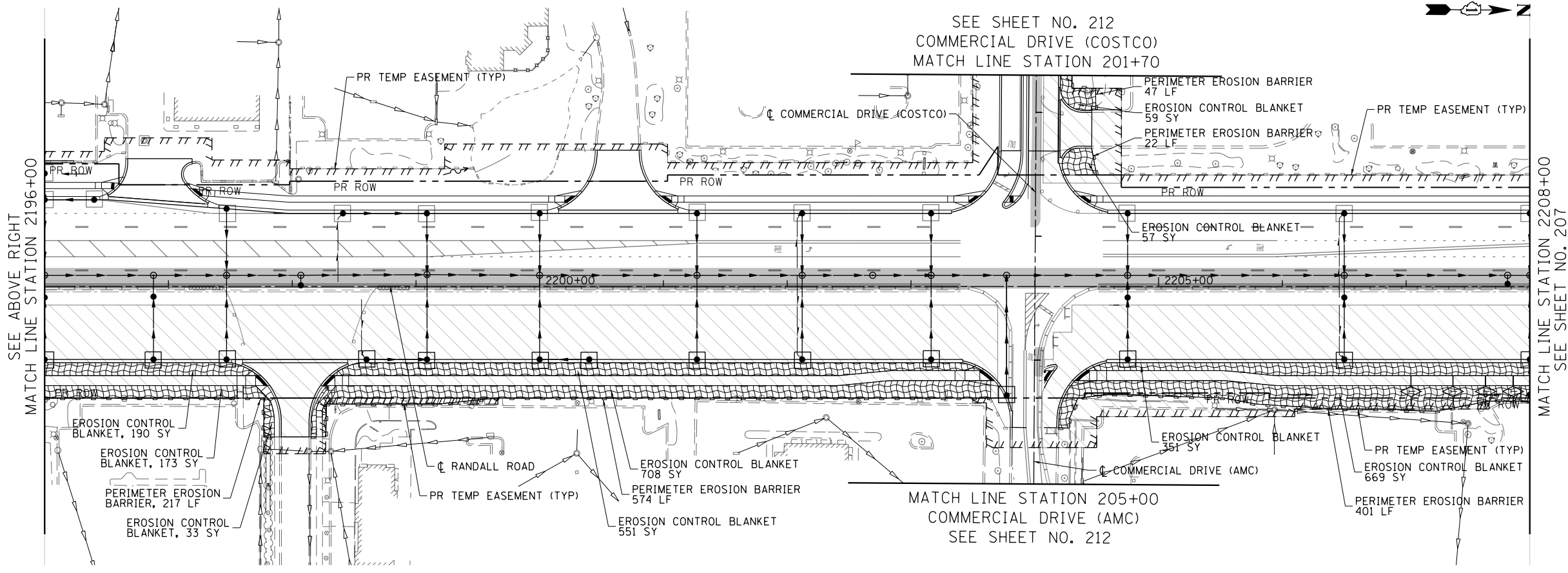
SEE SHEET NO. 208
ALGONQUIN ROAD
MATCH LINE STATION 1347+00



MATCH LINE STATION 1351+00
ALGONQUIN ROAD
SEE SHEET NO. 208

- LEGEND**
- EROSION CONTROL BLANKET
 - HEAVY DUTY EROSION CONTROL BLANKET
 - PERIMETER EROSION BARRIER
 - PERIMETER EROSION BARRIER SPECIAL TEMPORARY FENCE
 - INLET AND PIPE PROTECTION
 - INLET FILTERS
 - CULVERT INLET PROTECTION-STONE
 - TEMPORARY DITCH CHECK
 - STABILIZED CONSTRUCTION ENTRANCE
 - CONCRETE TRUCK WASHOUT
 - CONSTRUCTION WORK ZONE
 - TEMPORARY PAVEMENT
 - EXISTING WETLANDS
- NOTE:**
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SEE SHEET NO. 212
COMMERCIAL DRIVE (COSTCO)
MATCH LINE STATION 201+70



MATCH LINE STATION 205+00
COMMERCIAL DRIVE (AMC)
SEE SHEET NO. 212



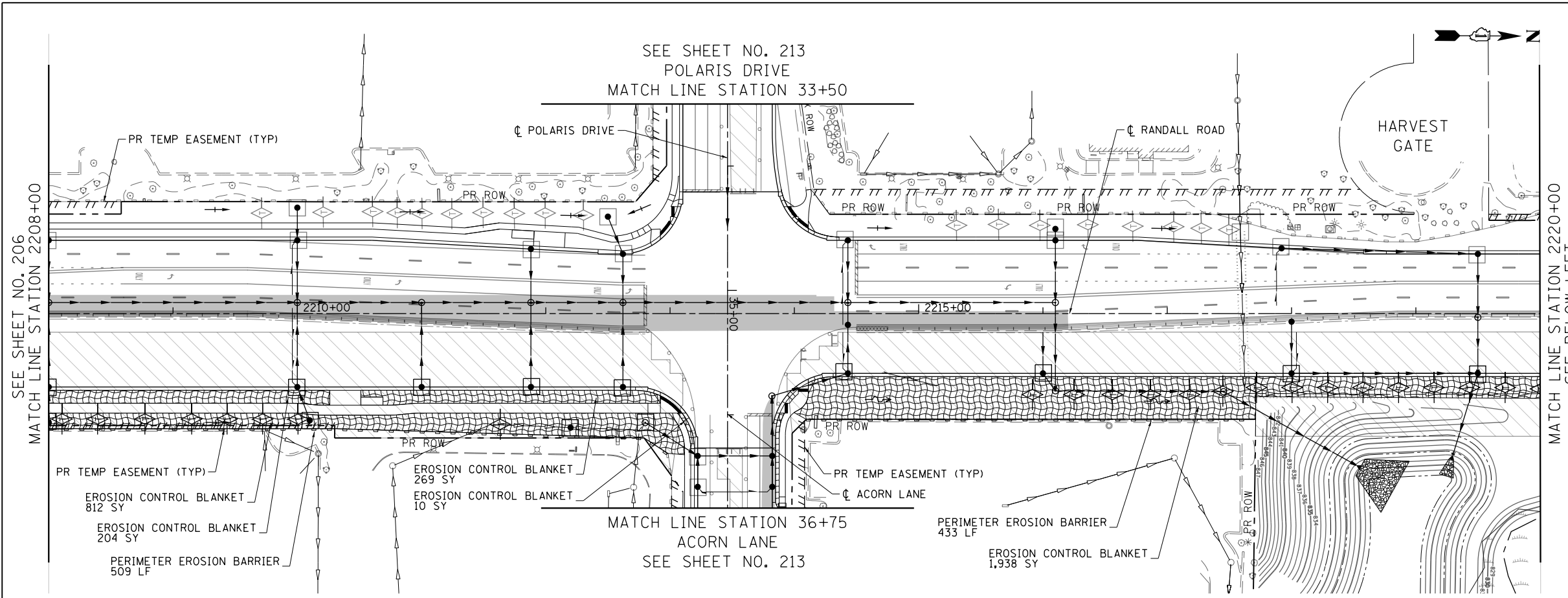
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

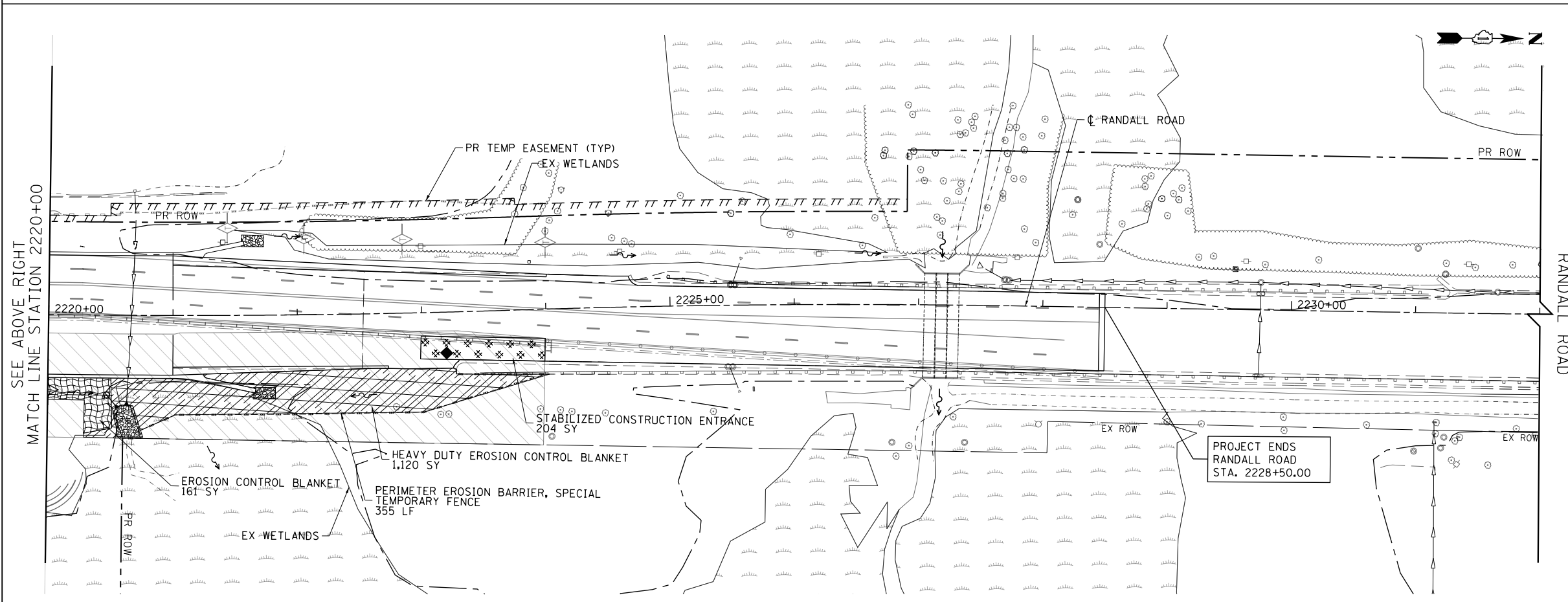
**EROSION AND SEDIMENT CONTROL DETAIL SHEETS
RANDALL ROAD STAGE 2**

SCALE: 1" = 50' SHEET 3 OF 13 SHEETS STA 2184+00 TO STA 2208+00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	206
			CONTRACT NO.	61E53
ILLINOIS FED. AID PROJECT				



- LEGEND**
- EROSION CONTROL BLANKET
 - HEAVY DUTY EROSION CONTROL BLANKET
 - PERIMETER EROSION BARRIER
 - PERIMETER EROSION BARRIER SPECIAL TEMPORARY FENCE
 - INLET AND PIPE PROTECTION
 - INLET FILTERS
 - CULVERT INLET PROTECTION-STONE
 - TEMPORARY DITCH CHECK
 - STABILIZED CONSTRUCTION ENTRANCE
 - CONCRETE TRUCK WASHOUT
 - CONSTRUCTION WORK ZONE
 - TEMPORARY PAVEMENT
 - EXISTING WETLANDS
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL DETAILS
RANDALL ROAD STAGE 2
 SCALE: 1" = 50' SHEET 4 OF 13 SHEETS STA 2208+00 TO STA 2232+00

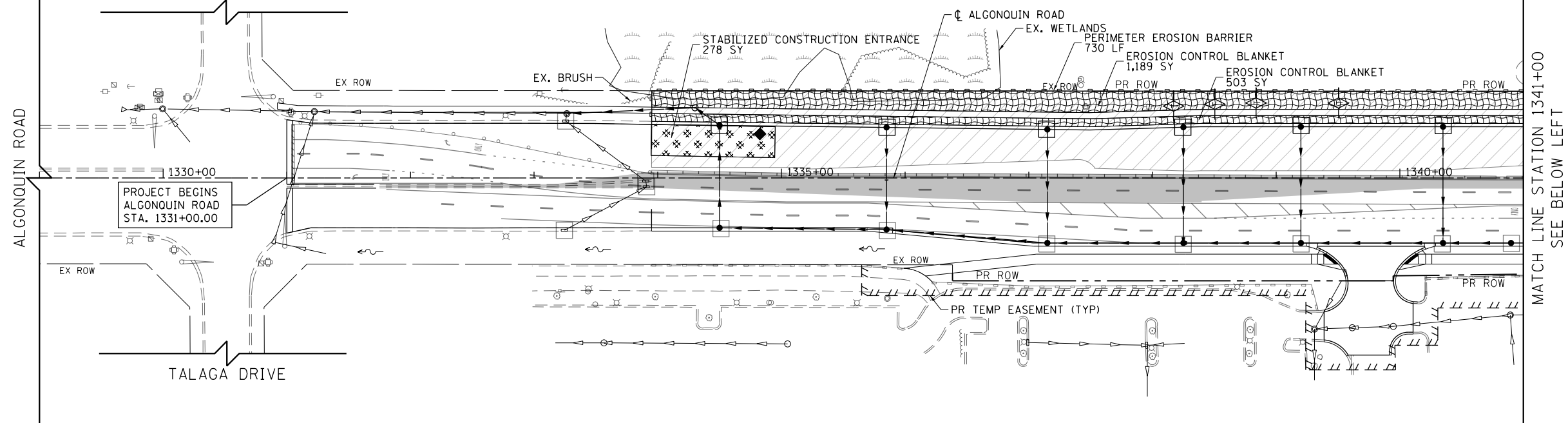
FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	207
			CONTRACT NO.	61E53
ILLINOIS FED. AID PROJECT				

ALGONQUIN ROAD

HARVEST GATE

TALAGA DRIVE

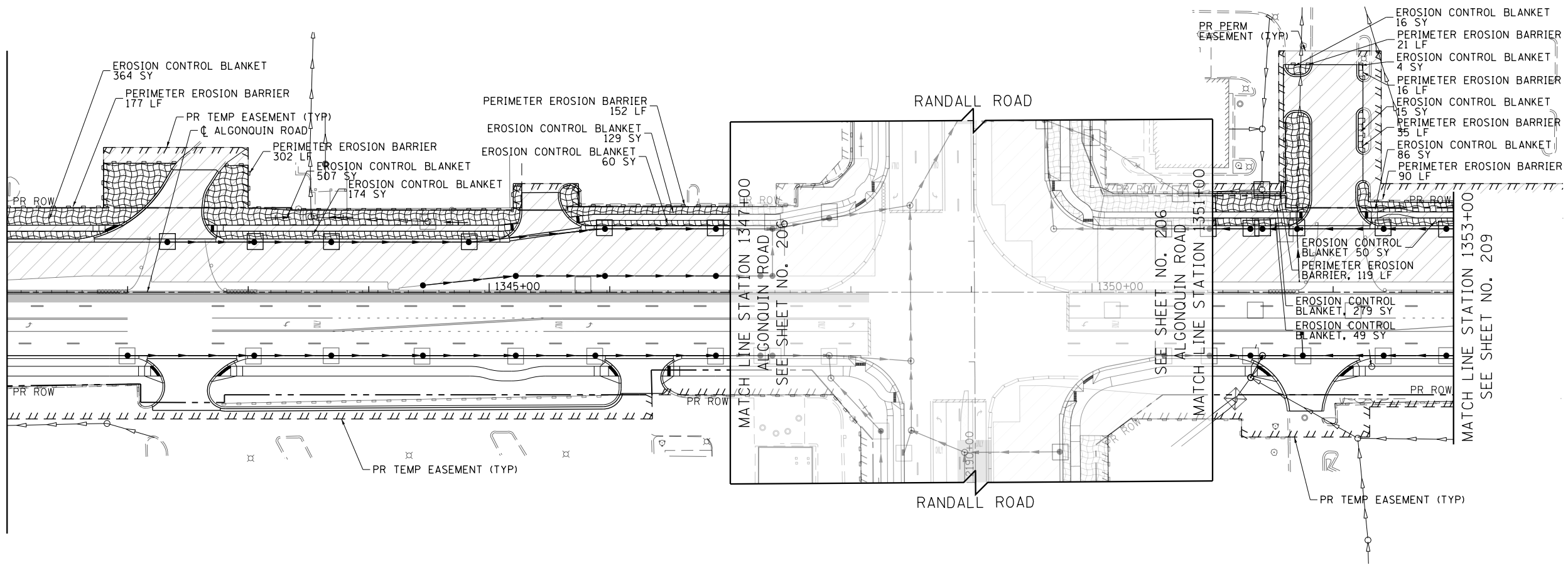
PROJECT BEGINS
ALGONQUIN ROAD
STA. 1331+00.00



MATCH LINE STATION 1341+00
SEE BELOW LEFT

- LEGEND**
- EROSION CONTROL BLANKET
 - HEAVY DUTY EROSION CONTROL BLANKET
 - PERIMETER EROSION BARRIER
 - PERIMETER EROSION BARRIER SPECIAL TEMPORARY FENCE
 - INLET AND PIPE PROTECTION
 - INLET FILTERS
 - CULVERT INLET PROTECTION-STONE
 - TEMPORARY DITCH CHECK
 - STABILIZED CONSTRUCTION ENTRANCE
 - CONCRETE TRUCK WASHOUT
 - CONSTRUCTION WORK ZONE
 - TEMPORARY PAVEMENT
 - EXISTING WETLANDS
- NOTE:**
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SEE ABOVE RIGHT
MATCH LINE STATION 1341+00



MATCH LINE STATION 1347+00
ALGONQUIN ROAD
SEE SHEET NO. 206

MATCH LINE STATION 1351+00
ALGONQUIN ROAD
SEE SHEET NO. 206

MATCH LINE STATION 1353+00
SEE SHEET NO. 209



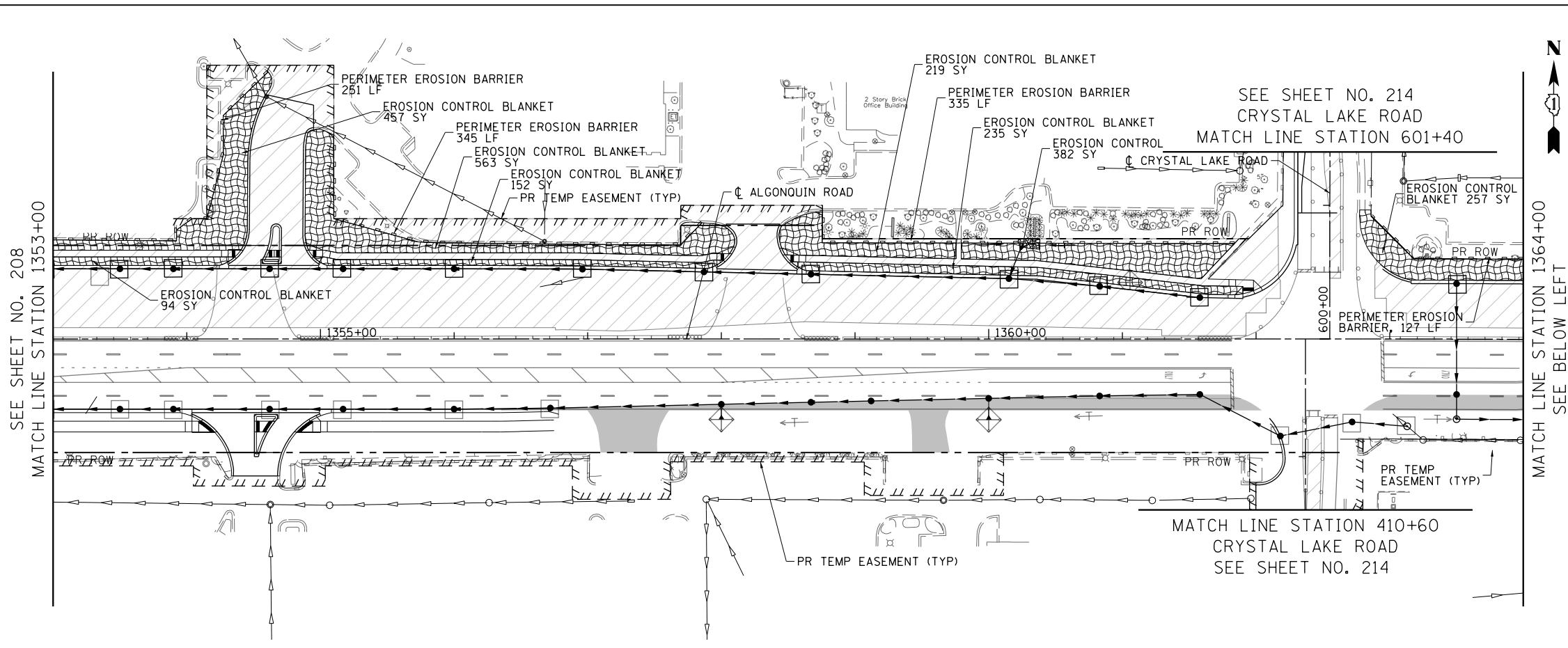
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL DETAILS
ALGONQUIN ROAD STAGE 2

SCALE: 1" = 50' SHEET 5 OF 13 SHEETS STA 1334+00 TO STA 1353+00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	06-00329-01-PW	MCHENRY	1751	208
			CONTRACT NO.	61E53
ILLINOIS FED. AID PROJECT				



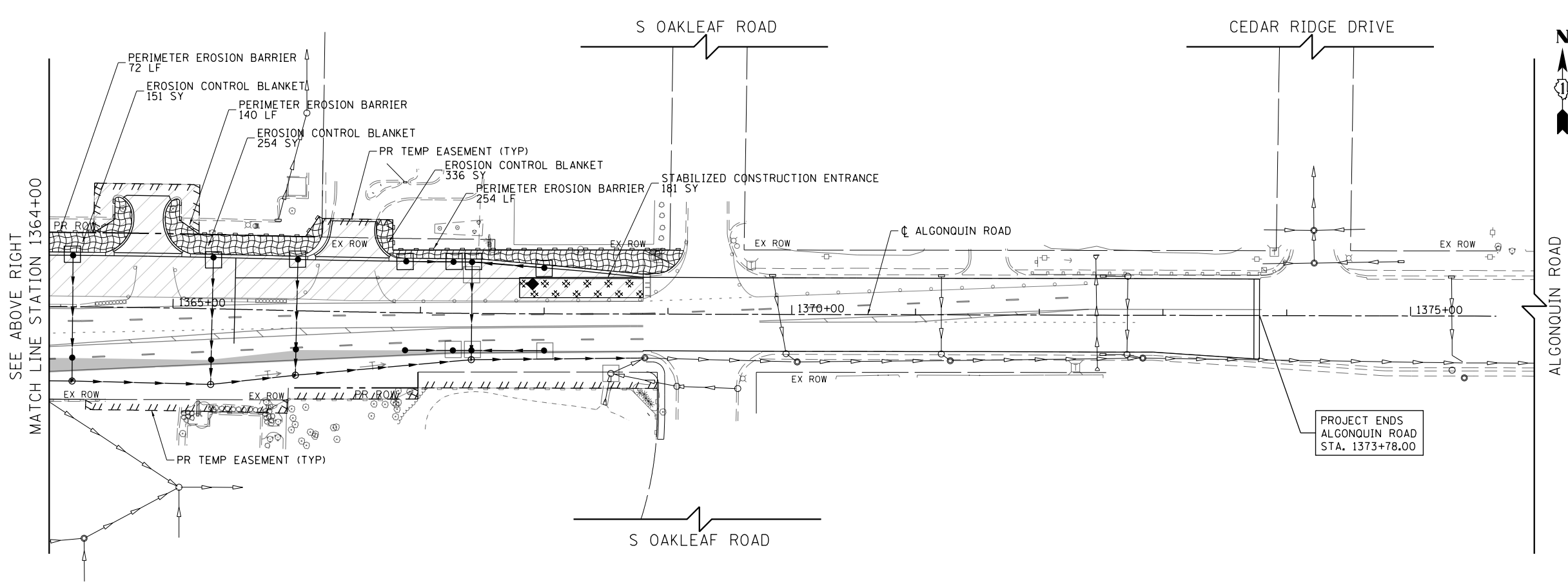
SEE SHEET NO. 208
MATCH LINE STATION 1353+00

SEE SHEET NO. 214
MATCH LINE STATION 601+40

SEE SHEET NO. 214
MATCH LINE STATION 410+60
CRYSTAL LAKE ROAD
SEE SHEET NO. 214

MATCH LINE STATION 1364+00
SEE BELOW LEFT

- LEGEND**
- EROSION CONTROL BLANKET
 - HEAVY DUTY EROSION CONTROL BLANKET
 - PERIMETER EROSION BARRIER
 - PERIMETER EROSION BARRIER SPECIAL TEMPORARY FENCE
 - INLET AND PIPE PROTECTION
 - INLET FILTERS
 - CULVERT INLET PROTECTION-STONE
 - TEMPORARY DITCH CHECK
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 - CONSTRUCTION WORK ZONE
 - TEMPORARY PAVEMENT
 - EXISTING WETLANDS
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SEE ABOVE RIGHT
MATCH LINE STATION 1364+00

PROJECT ENDS
ALGONQUIN ROAD
STA. 1373+78.00



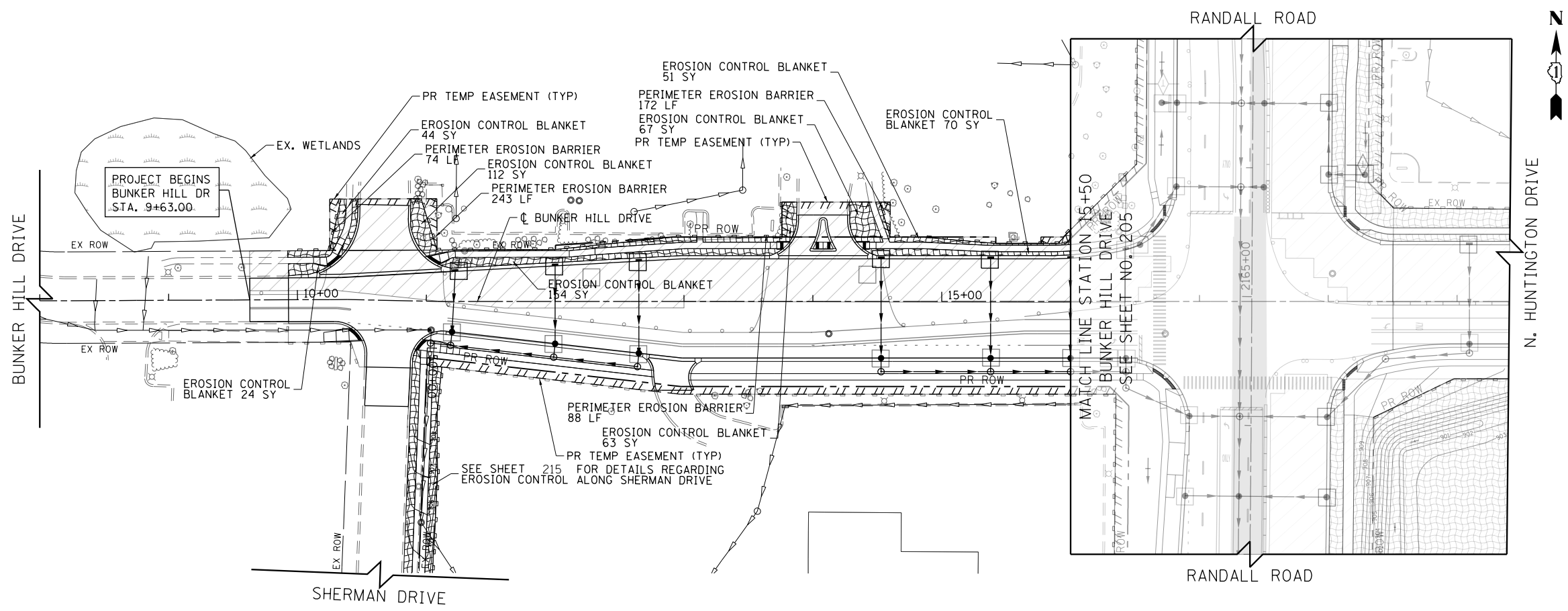
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL DETAILS
ALGONQUIN ROAD STAGE 2**

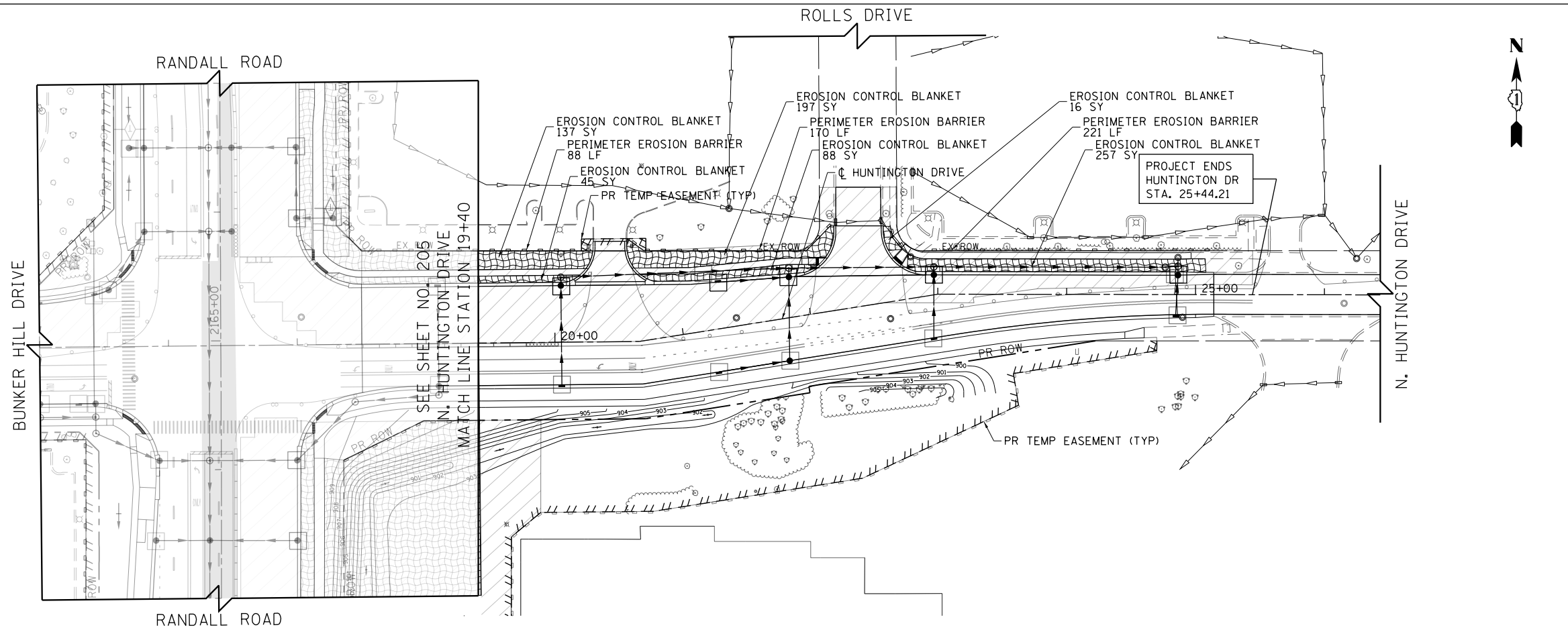
SCALE: 1" = 50' SHEET 6 OF 13 SHEETS STA 1353+00 TO STA 1368+95.01

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	06-00329-01-PW	MCHENRY	1751	209
			CONTRACT NO.	61E53
ILLINOIS FED. AID PROJECT				



- LEGEND**
- EROSION CONTROL BLANKET
 - HEAVY DUTY EROSION CONTROL BLANKET
 - PERIMETER EROSION BARRIER
 - PERIMETER EROSION BARRIER SPECIAL TEMPORARY FENCE
 - INLET AND PIPE PROTECTION
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 - EXISTING WETLANDS

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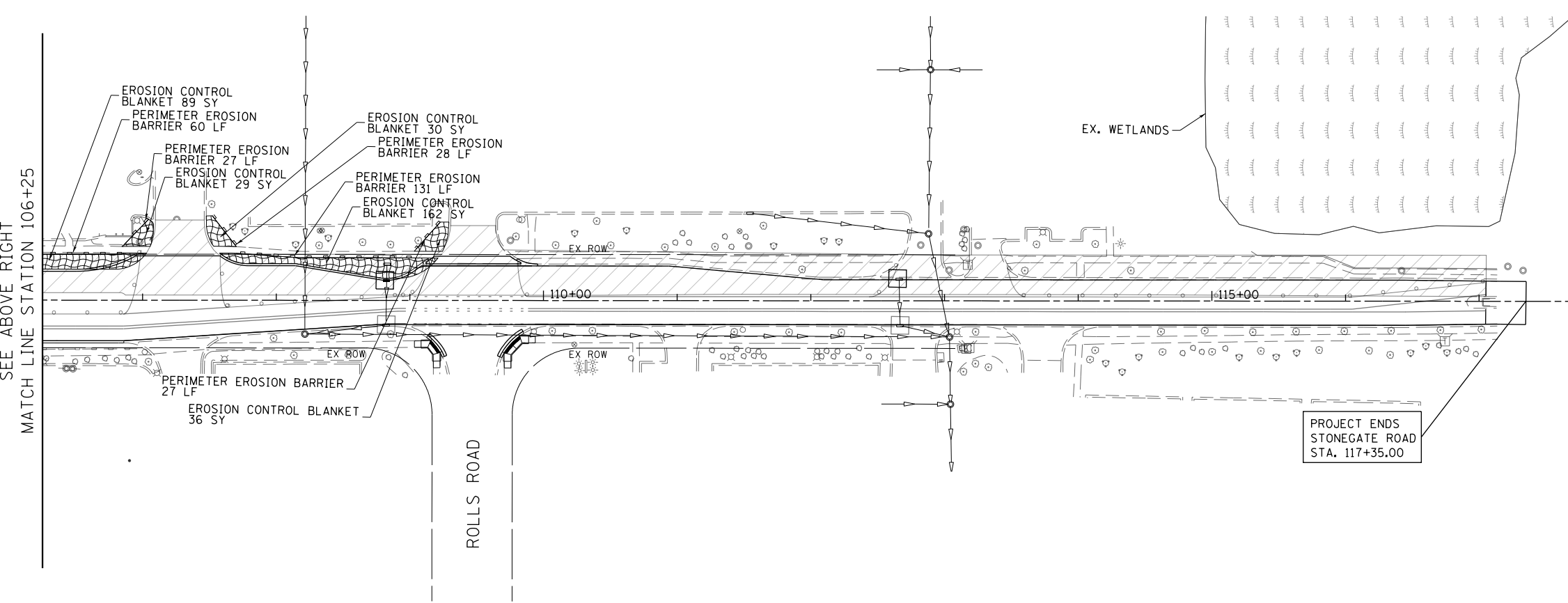
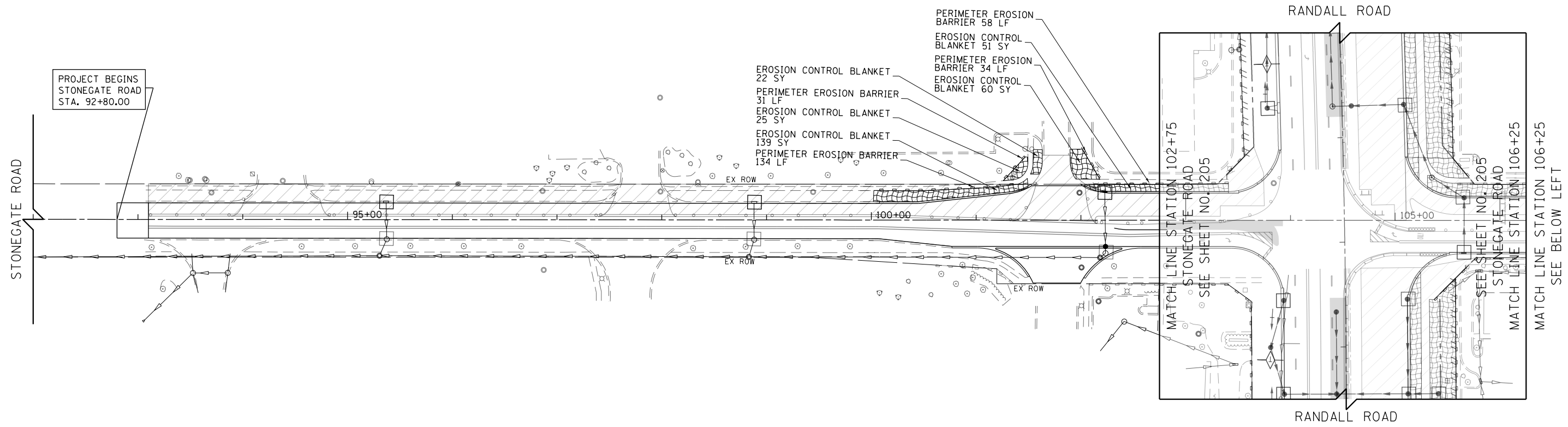
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PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL DETAILS
 BUNKER HILL / HUNTINGTON DRIVE STAGE 2**

SCALE: 1" = 50' SHEET 7 OF 13 SHEETS STA 8+00 TO STA 29+00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	210
			CONTRACT NO.	61E53
ILLINOIS FED. AID PROJECT				



- HEAVY DUTY EROSION CONTROL BLANKET
- PERIMETER EROSION BARRIER
- PERIMETER EROSION BARRIER SPECIAL, TEMPORARY FENCE
- INLET AND PIPE PROTECTION
- INLET FILTERS
- CULVERT INLET PROTECTION-STONE
- TEMPORARY DITCH CHECK
- STABILIZED CONSTRUCTION ENTRANCE
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- CONSTRUCTION WORK ZONE
- TEMPORARY PAVEMENT
- EXISTING WETLANDS

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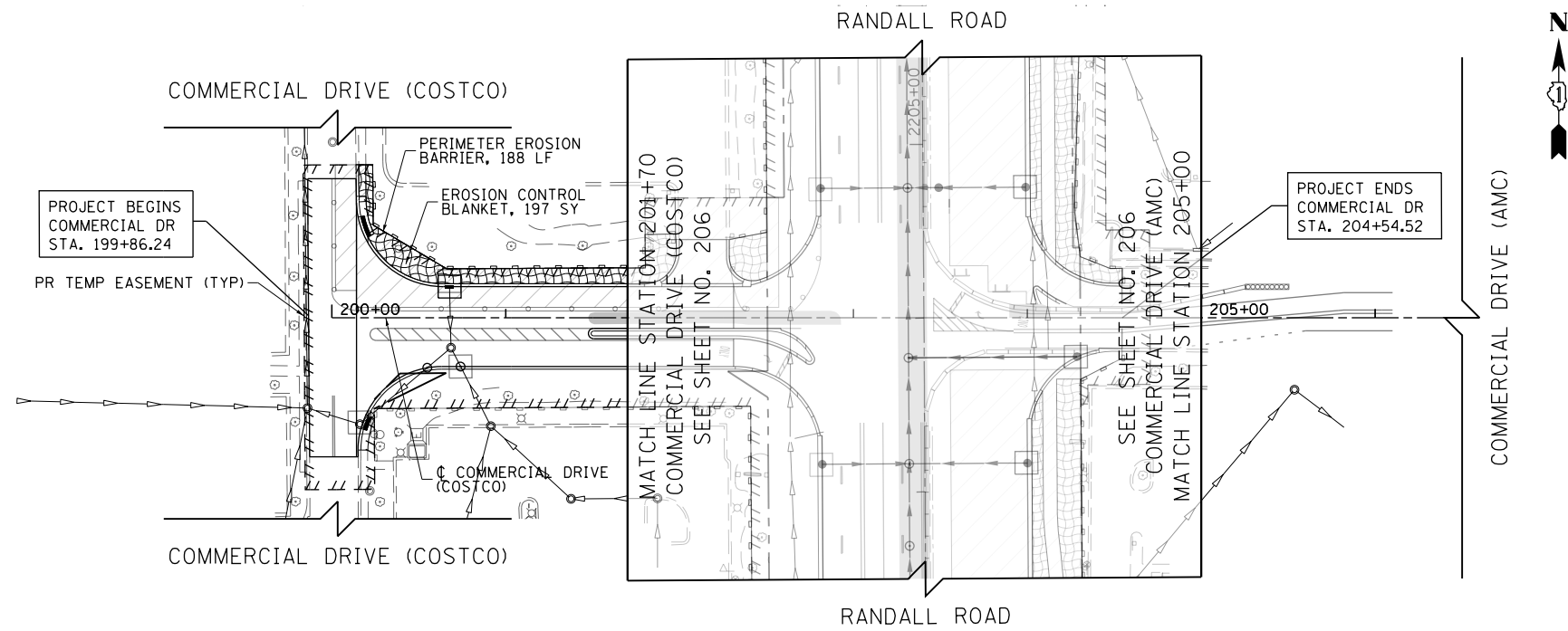


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PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EROSION AND SEDIMENT CONTROL DETAILS STONEGATE ROAD STAGE 2			
SCALE: 1" = 50'	SHEET 8	OF 13 SHEETS	STA 100+00 TO STA 117+05

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	211
CONTRACT NO.			61E53	
ILLINOIS FED. AID PROJECT				



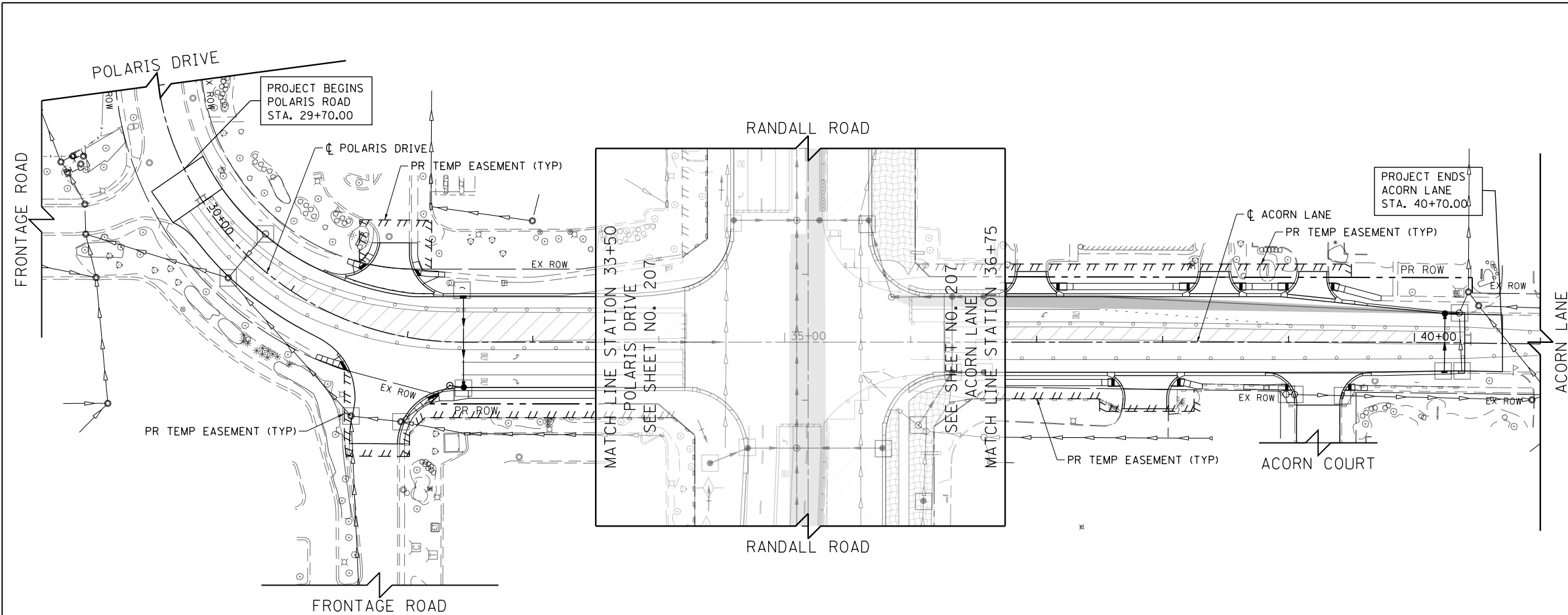
- LEGEND**
- EROSION CONTROL BLANKET
 - HEAVY DUTY EROSION CONTROL BLANKET
 - PERIMETER EROSION BARRIER
 - PERIMETER EROSION BARRIER SPECIAL TEMPORARY FENCE
 - INLET AND PIPE PROTECTION
 - INLET FILTERS
 - CULVERT INLET PROTECTION-STONE
 - TEMPORARY DITCH CHECK
 - STABILIZED CONSTRUCTION ENTRANCE
 - CONCRETE TRUCK WASHOUT
 - CONSTRUCTION WORK ZONE
 - TEMPORARY PAVEMENT
 - EXISTING WETLANDS
- NOTE:**
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USER NAME = mrc1ss	DESIGNED - JLT	REVISED -
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PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION AND SEDIMENT CONTROL DETAILS COMMERCIAL DRIVE (COSTCO/AMC) STAGE 2			
SCALE: 1" = 50'	SHEET 9	OF 13 SHEETS	STA 200+00 TO STA 206+50

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	212
CONTRACT NO.			61E53	
ILLINOIS FED. AID PROJECT				



- LEGEND**
- EROSION CONTROL BLANKET
 - HEAVY DUTY EROSION CONTROL BLANKET
 - PERIMETER EROSION BARRIER
 - PERIMETER EROSION BARRIER SPECIAL TEMPORARY FENCE
 - INLET AND PIPE PROTECTION
 - INLET FILTERS
 - CULVERT INLET PROTECTION-STONE
 - TEMPORARY DITCH CHECK
 - STABILIZED CONSTRUCTION ENTRANCE
 - CONCRETE TRUCK WASHOUT
 - CONSTRUCTION WORK ZONE
 - TEMPORARY PAVEMENT
 - EXISTING WETLANDS

NOTE:
 EROSION CONTROL DEVICES INSTALLED DURING STAGE 1 TO REMAIN IN PLACE UNTIL FINAL EROSION CONTROL MEASURES ARE INSTALLED AND VEGETATION COVERAGE IS ESTABLISHED PER PERMIT REQUIREMENTS AND TO THE SATISFACTION OF THE ENGINEER. SHOWN FOR REFERENCE ONLY.

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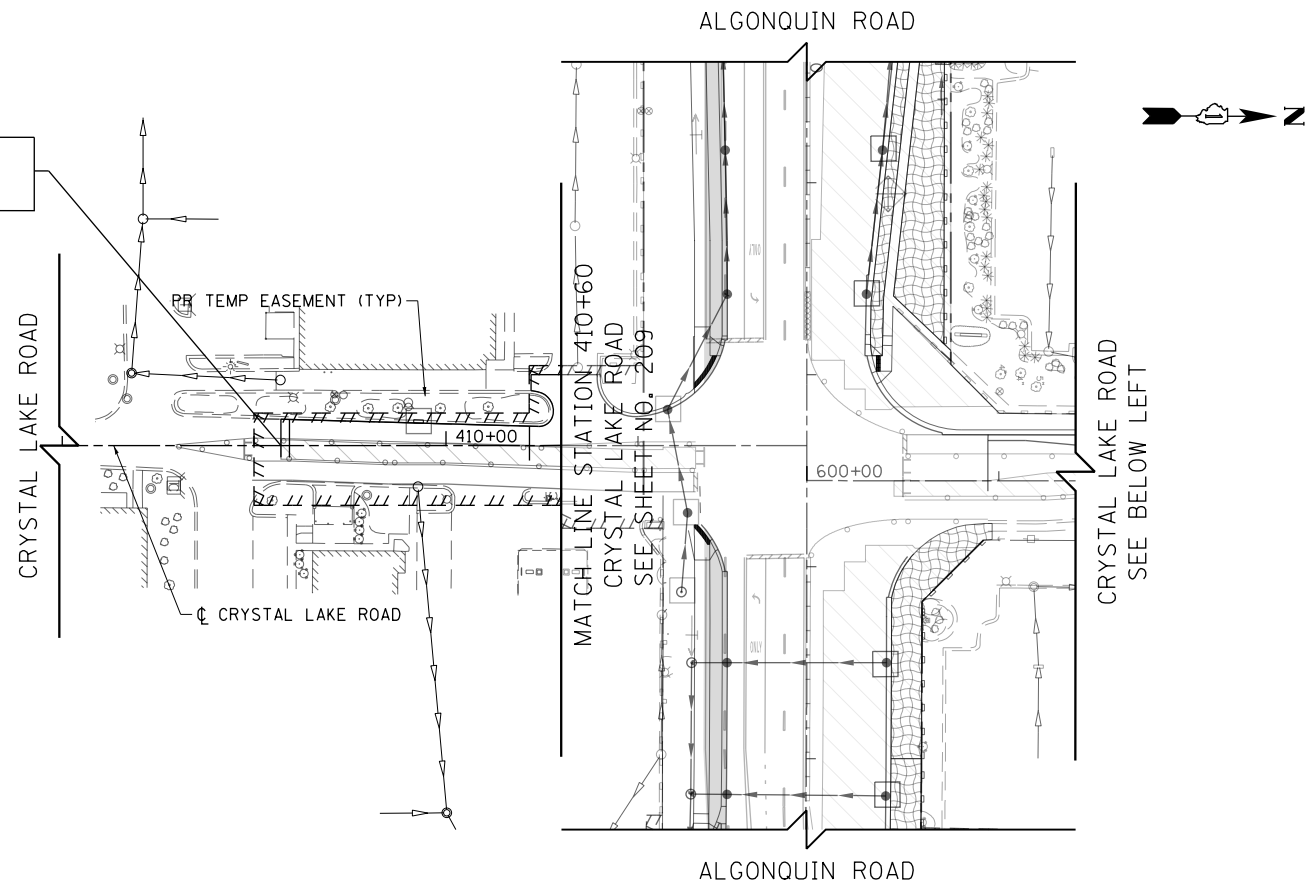
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










**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EROSION AND SEDIMENT CONTROL DETAILS POLARIS DRIVE /ACORN LANE STAGE 2			
SCALE: 1" = 50'	SHEET 10	OF 13 SHEETS	STA 28+00 TO STA 41+00

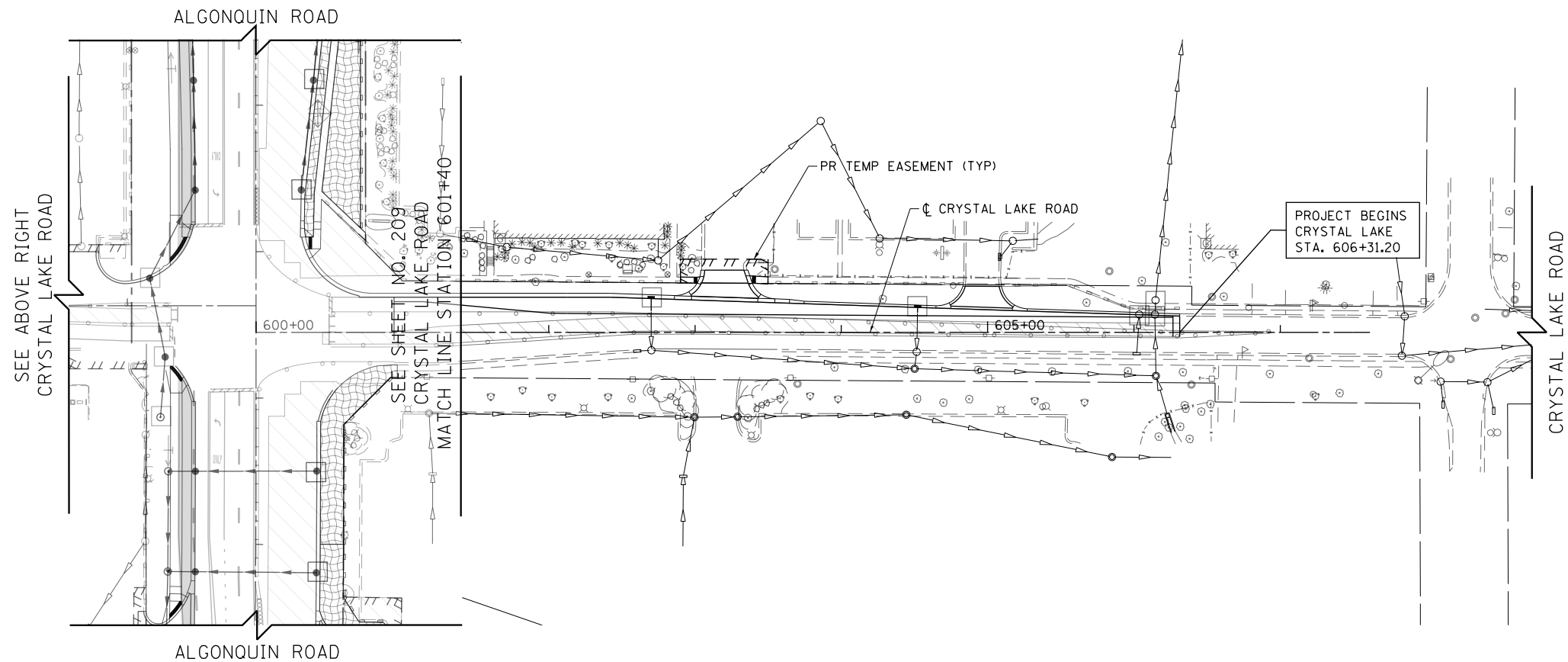
FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	213
CONTRACT NO.			61E53	
ILLINOIS FED. AID PROJECT				

PROJECT BEGINS
CRYSTAL LAKE ROAD
STA. 409+14.00



- LEGEND**
-  EROSION CONTROL BLANKET
 -  HEAVY DUTY EROSION CONTROL BLANKET
 -  PERIMETER EROSION BARRIER
 -  PERIMETER EROSION BARRIER SPECIAL TEMPORARY FENCE
 -  INLET AND PIPE PROTECTION
 -  INLET FILTERS
 -  CULVERT INLET PROTECTION-STONE
 -  TEMPORARY DITCH CHECK
 -  STABILIZED CONSTRUCTION ENTRANCE
 -  CONCRETE TRUCK WASHOUT
 -  CONSTRUCTION WORK ZONE
 -  TEMPORARY PAVEMENT
 -  EXISTING WETLANDS

NOTE:
EROSION CONTROL DEVICES INSTALLED DURING STAGE 1 TO REMAIN IN PLACE UNTIL FINAL EROSION CONTROL MEASURES ARE INSTALLED AND VEGETATION COVERAGE IS ESTABLISHED PER PERMIT REQUIREMENTS AND TO THE SATISFACTION OF THE ENGINEER. SHOWN FOR REFERENCE ONLY.



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**














**EROSION AND SEDIMENT CONTROL DETAILS
CRYSTAL LAKE ROAD STAGE 2**

SCALE: 1" = 50' SHEET 11 OF 13 SHEETS STA 408+00 TO STA 607+50

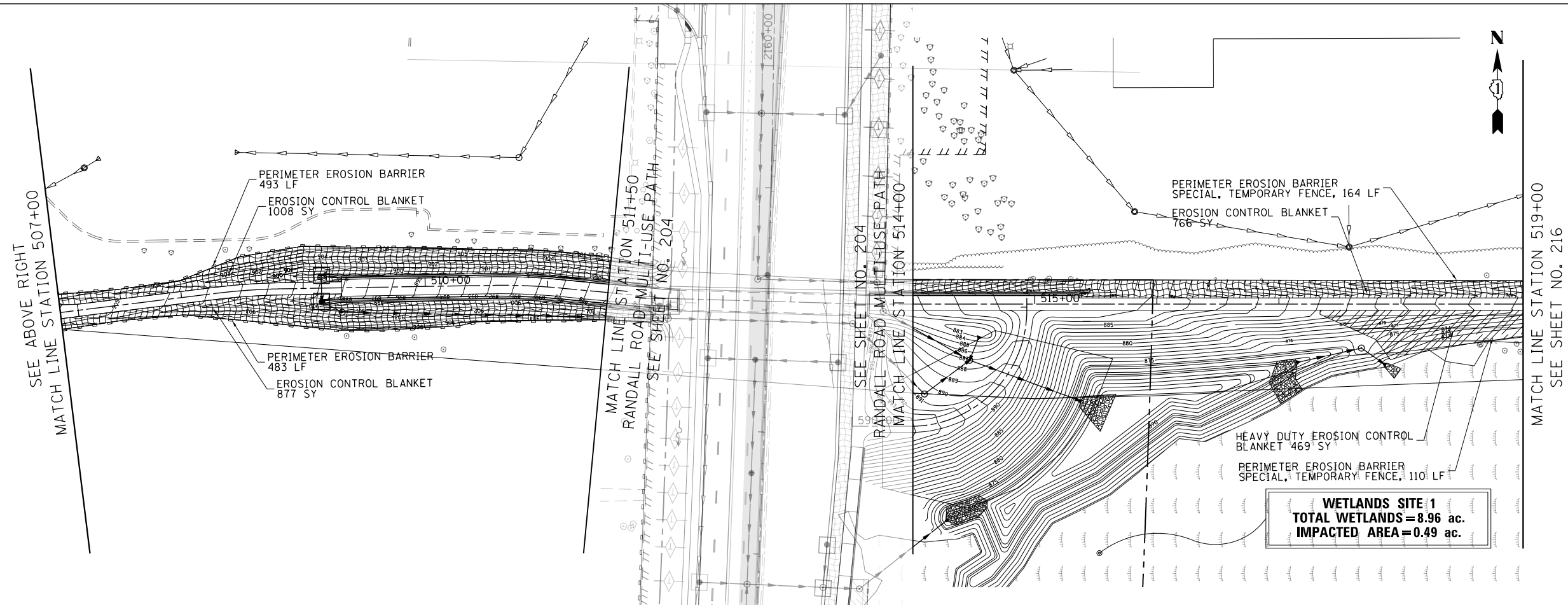
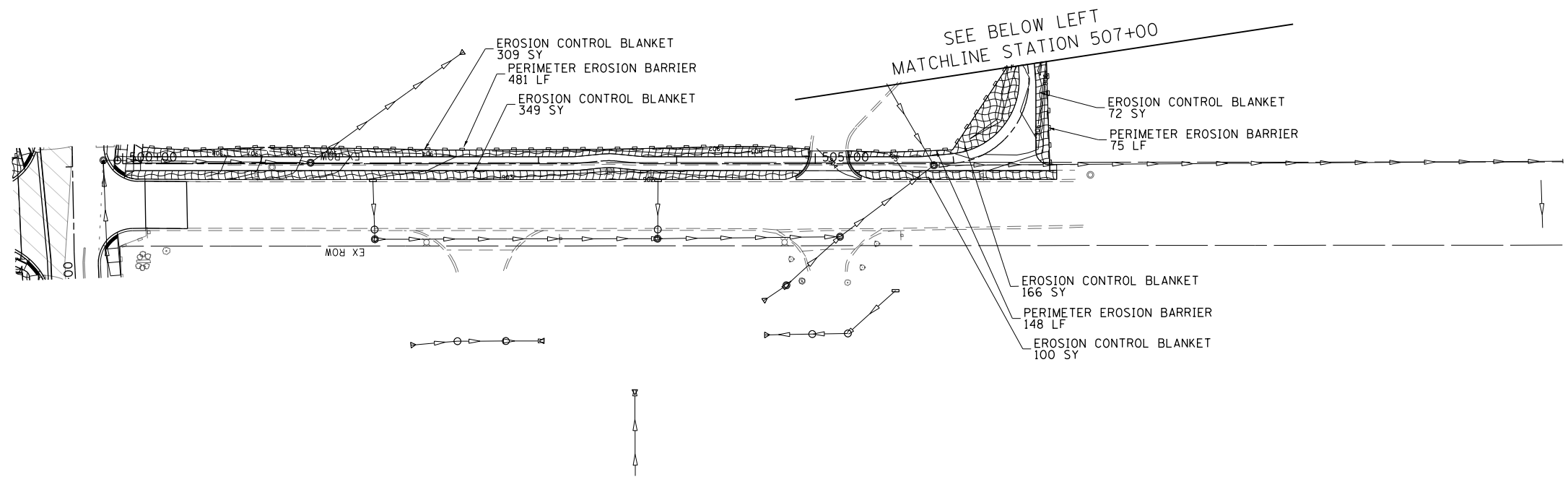
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336	06-00329-01-PW	MCHENRY	1751	214
			CONTRACT NO. 61E53	
ILLINOIS FED. AID PROJECT				



LEGEND

-  EROSION CONTROL BLANKET
-  HEAVY DUTY EROSION CONTROL BLANKET
-  PERIMETER EROSION BARRIER
-  PERIMETER EROSION BARRIER SPECIAL, TEMPORARY FENCE
-  INLET AND PIPE PROTECTION
-  INLET FILTERS
-  CULVERT INLET PROTECTION-STONE
-  TEMPORARY DITCH CHECK
-  STABILIZED CONSTRUCTION ENTRANCE
-  CONCRETE TRUCK WASHOUT
-  CONSTRUCTION WORK ZONE
-  TEMPORARY PAVEMENT
-  EXISTING WETLANDS

NOTE:
 EROSION CONTROL DEVICES INSTALLED DURING STAGE 1 TO REMAIN IN PLACE UNTIL FINAL EROSION CONTROL MEASURES ARE INSTALLED AND VEGETATION COVERAGE IS ESTABLISHED PER PERMIT REQUIREMENTS AND TO THE SATISFACTION OF THE ENGINEER. SHOWN FOR REFERENCE ONLY.



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










**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL DETAILS
 MULTI-USE PATH STAGE 2**

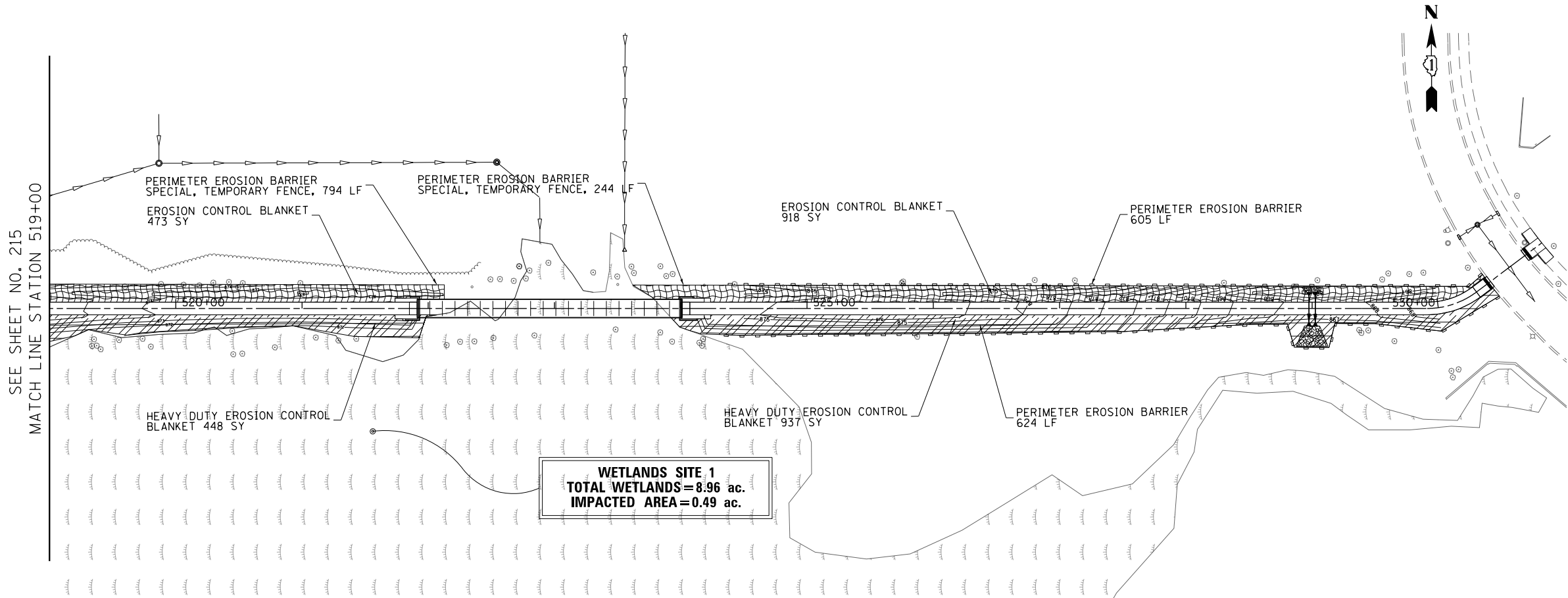
SCALE: 1" = 50' SHEET 12 OF 13 SHEETS STA 500+00 TO STA 507+00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	215
			CONTRACT NO.	61E53
ILLINOIS FED. AID PROJECT				

LEGEND

-  EROSION CONTROL BLANKET
-  HEAVY DUTY EROSION CONTROL BLANKET
-  PERIMETER EROSION BARRIER
-  PERIMETER EROSION BARRIER SPECIAL, TEMPORARY FENCE
-  INLET AND PIPE PROTECTION
-  INLET FILTERS
-  CULVERT INLET PROTECTION-STONE
-  TEMPORARY DITCH CHECK
-  STABILIZED CONSTRUCTION ENTRANCE
-  CONCRETE TRUCK WASHOUT
-  CONSTRUCTION WORK ZONE
-  TEMPORARY PAVEMENT
-  EXISTING WETLANDS

NOTE:
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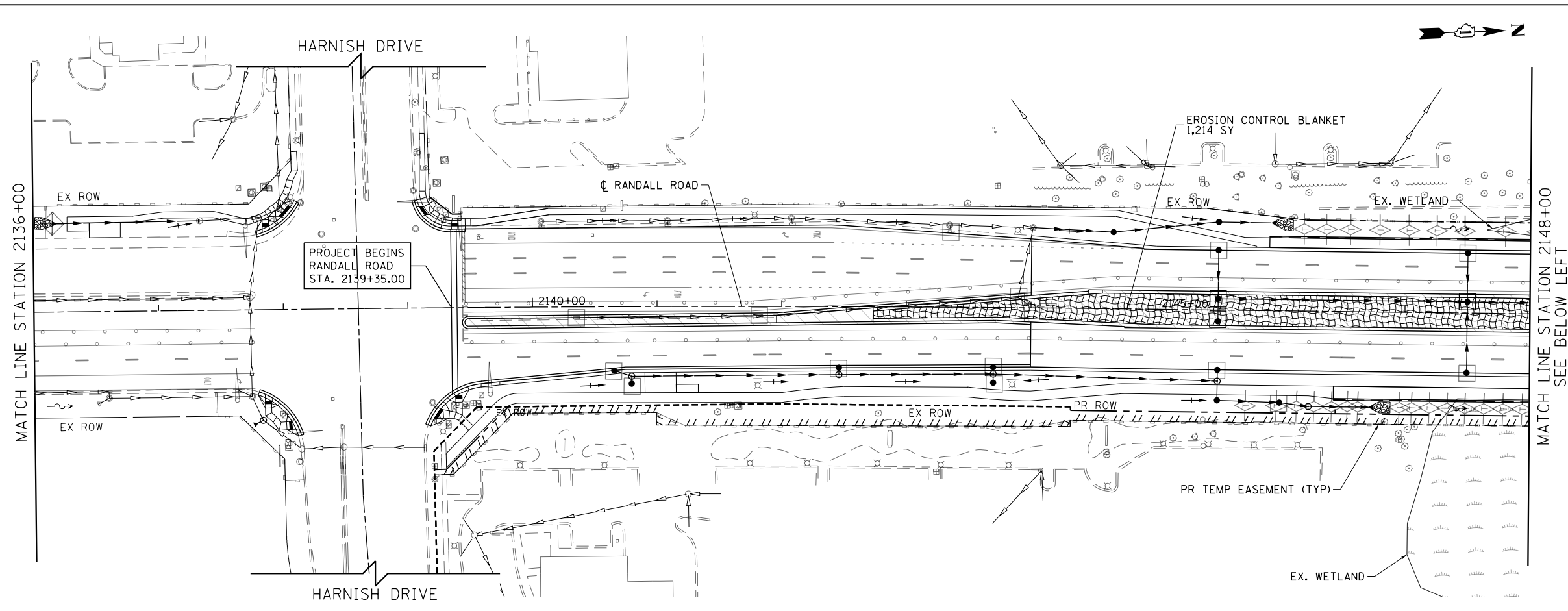
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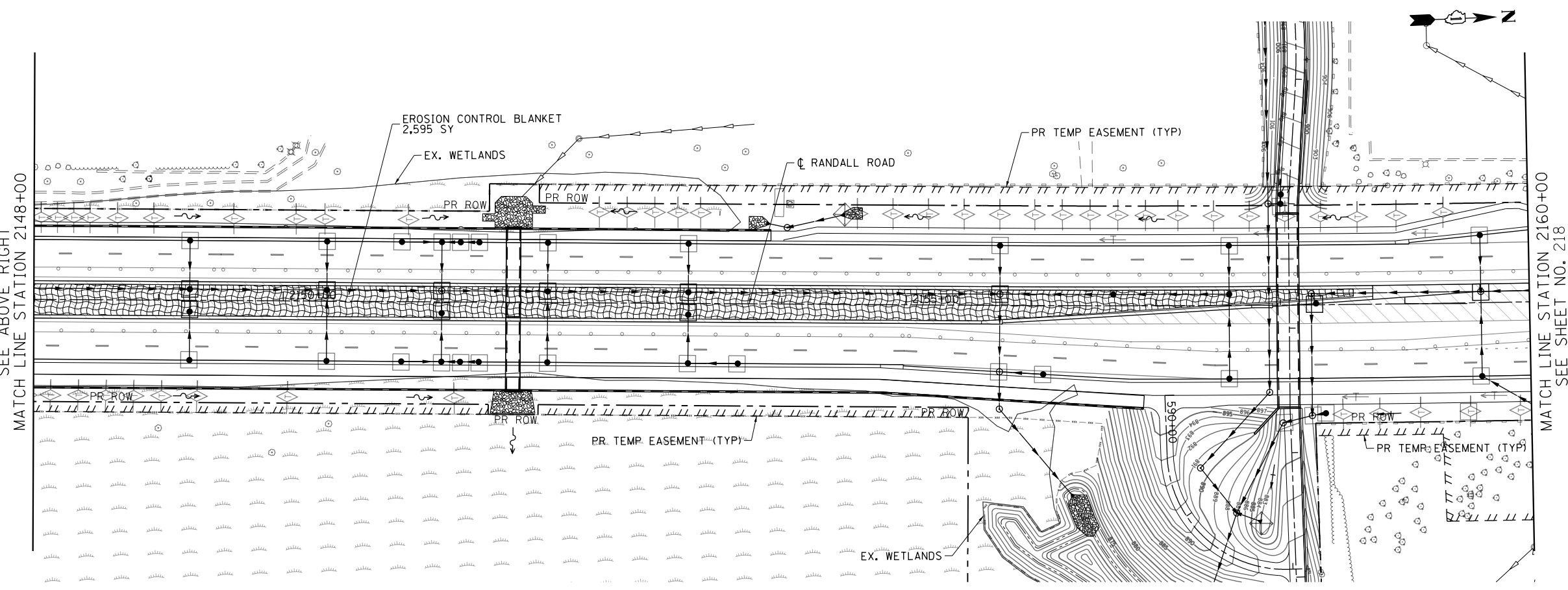
**EROSION AND SEDIMENT CONTROL DETAILS
 MULTI-USE PATH STAGE 2**

SCALE: 1" = 50' SHEET 13 OF 13 SHEETS STA 519+00 TO STA 530+97.79

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	216
			CONTRACT NO.	61E53
ILLINOIS FED. AID PROJECT				



- LEGEND**
- EROSION CONTROL BLANKET
 - HEAVY DUTY EROSION CONTROL BLANKET
 - PERIMETER EROSION BARRIER
 - PERIMETER EROSION BARRIER SPECIAL TEMPORARY FENCE
 - INLET AND PIPE PROTECTION
 - INLET FILTERS
 - CULVERT INLET PROTECTION-STONE
 - TEMPORARY DITCH CHECK
 - STABILIZED CONSTRUCTION ENTRANCE
 - CONCRETE TRUCK WASHOUT
 - CONSTRUCTION WORK ZONE
 - TEMPORARY PAVEMENT
 - EXISTING WETLANDS
- NOTE:**
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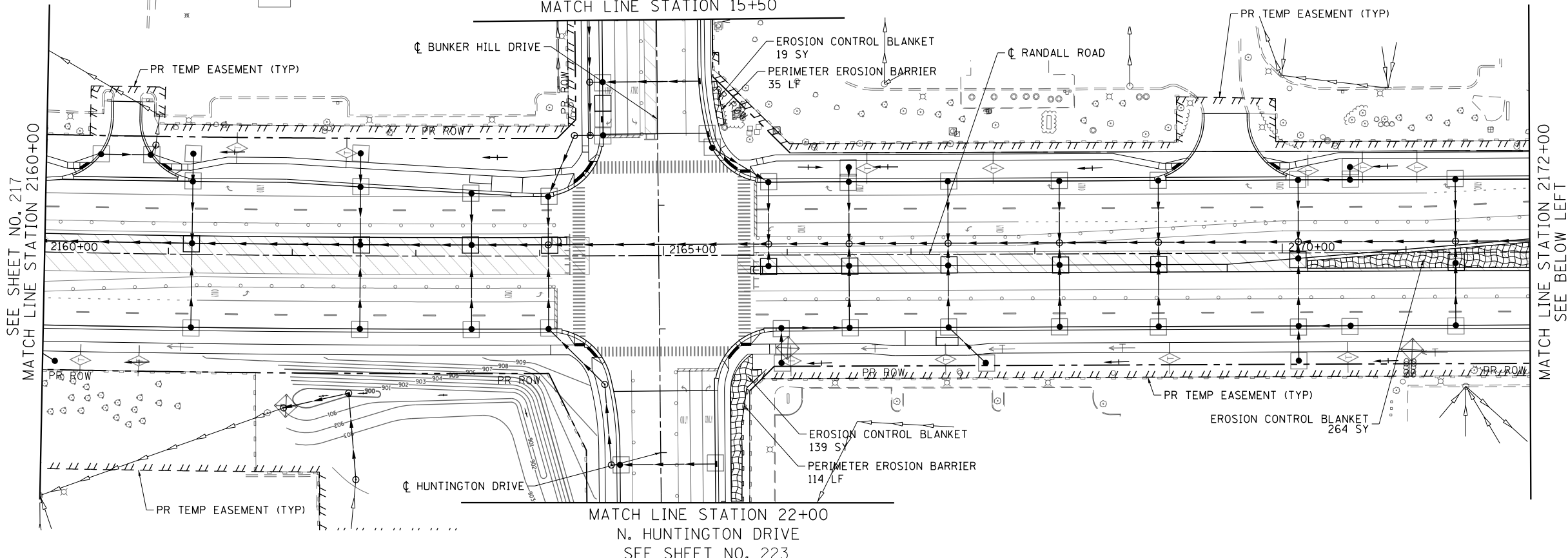
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL DETAILS
RANDALL ROAD STAGE 3

SCALE: 1" = 50' SHEET 1 OF 11 SHEETS STA 2136+00 TO STA 2160+00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	217
			CONTRACT NO.	61E53
ILLINOIS FED. AID PROJECT				

SEE SHEET NO. 223
BUNKER HILL DRIVE
MATCH LINE STATION 15+50



- LEGEND**
- EROSION CONTROL BLANKET
 - HEAVY DUTY EROSION CONTROL BLANKET
 - PERIMETER EROSION BARRIER
 - PERIMETER EROSION BARRIER SPECIAL TEMPORARY FENCE
 - INLET AND PIPE PROTECTION
 - INLET FILTERS
 - CULVERT INLET PROTECTION-STONE
 - TEMPORARY DITCH CHECK
 - STABILIZED CONSTRUCTION ENTRANCE
 - CONCRETE TRUCK WASHOUT
 - CONSTRUCTION WORK ZONE
 - TEMPORARY PAVEMENT
 - EXISTING WETLANDS

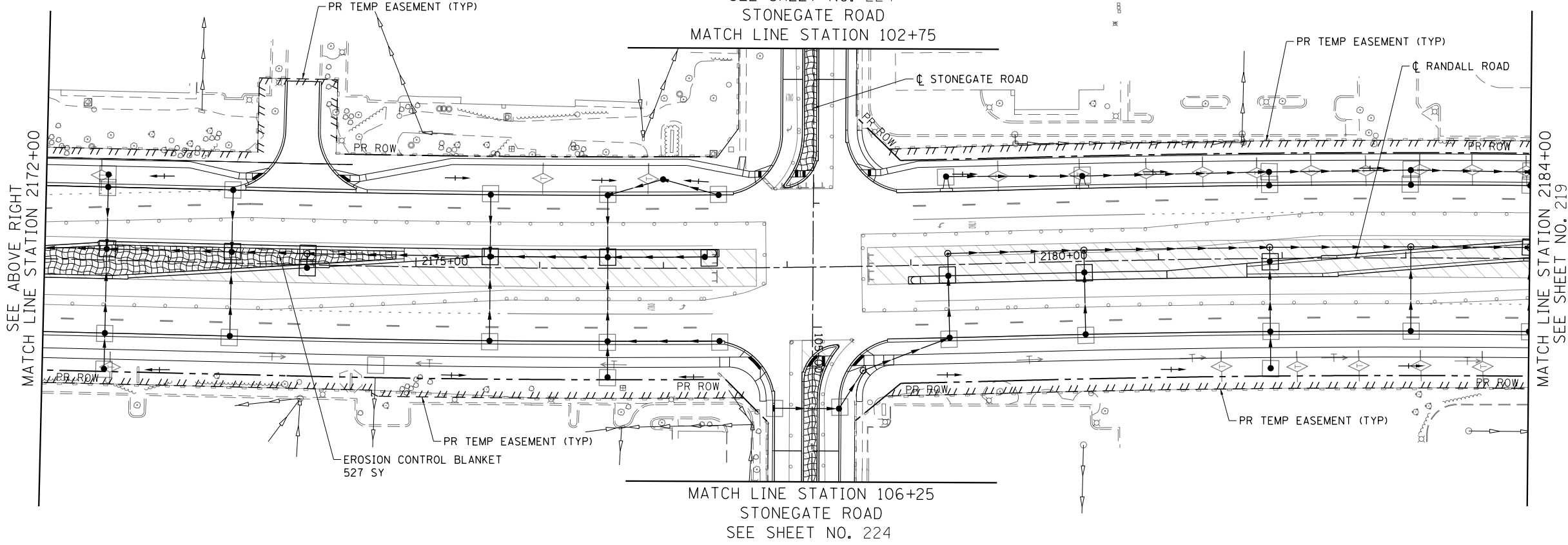
NOTE:
EROSION CONTROL DEVICES INSTALLED DURING STAGE 2 TO REMAIN IN PLACE UNTIL FINAL EROSION CONTROL MEASURES ARE INSTALLED AND VEGETATION COVERAGE IS ESTABLISHED PER PERMIT REQUIREMENTS AND TO THE SATISFACTION OF THE ENGINEER. SHOWN FOR REFERENCE ONLY.

SEE SHEET NO. 217
MATCH LINE STATION 2160+00

MATCH LINE STATION 2172+00
SEE BELOW LEFT

MATCH LINE STATION 22+00
N. HUNTINGTON DRIVE
SEE SHEET NO. 223

SEE SHEET NO. 224
STONEGATE ROAD
MATCH LINE STATION 102+75



SEE ABOVE RIGHT
MATCH LINE STATION 2172+00

MATCH LINE STATION 2184+00
SEE SHEET NO. 219

MATCH LINE STATION 106+25
STONEGATE ROAD
SEE SHEET NO. 224



USER NAME = mrc155	DESIGNED - JLT	REVISED -
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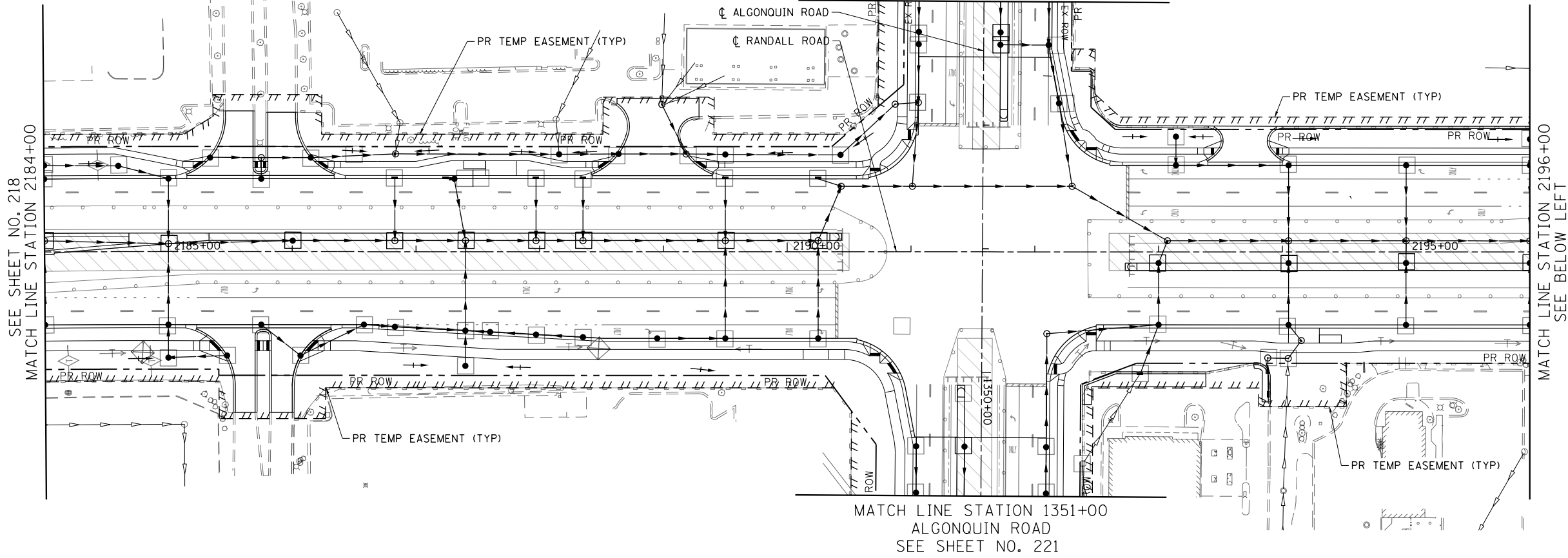
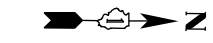
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL DETAILS
RANDALL ROAD STAGE 3**

SCALE: 1" = 50' SHEET 2 OF 11 SHEETS STA 2160+00 TO STA 2184+00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	218
			CONTRACT NO.	61E53
ILLINOIS FED. AID PROJECT				

SEE SHEET NO. 221
ALGONQUIN ROAD
MATCH LINE STATION 1347+00



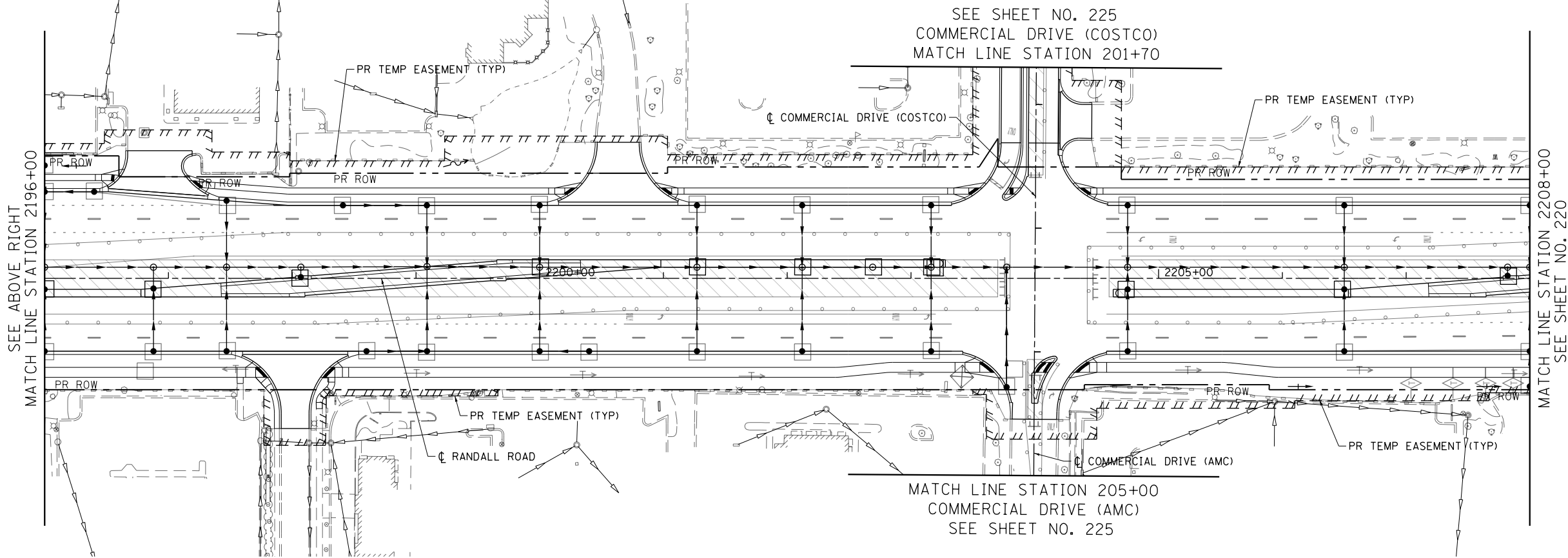
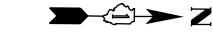
MATCH LINE STATION 1351+00
ALGONQUIN ROAD
SEE SHEET NO. 221

- LEGEND**
- EROSION CONTROL BLANKET
 - HEAVY DUTY EROSION CONTROL BLANKET
 - PERIMETER EROSION BARRIER
 - PERIMETER EROSION BARRIER SPECIAL TEMPORARY FENCE
 - INLET AND PIPE PROTECTION
 - INLET FILTERS
 - CULVERT INLET PROTECTION-STONE
 - TEMPORARY DITCH CHECK
 - STABILIZED CONSTRUCTION ENTRANCE
 - CONCRETE TRUCK WASHOUT
 - CONSTRUCTION WORK ZONE
 - TEMPORARY PAVEMENT
 - EXISTING WETLANDS
- NOTE:**
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SEE SHEET NO. 218
MATCH LINE STATION 2184+00

MATCH LINE STATION 2196+00
SEE BELOW LEFT

SEE SHEET NO. 225
COMMERCIAL DRIVE (COSTCO)
MATCH LINE STATION 201+70



MATCH LINE STATION 205+00
COMMERCIAL DRIVE (AMC)
SEE SHEET NO. 225

SEE ABOVE RIGHT
MATCH LINE STATION 2196+00

MATCH LINE STATION 2208+00
SEE SHEET NO. 220



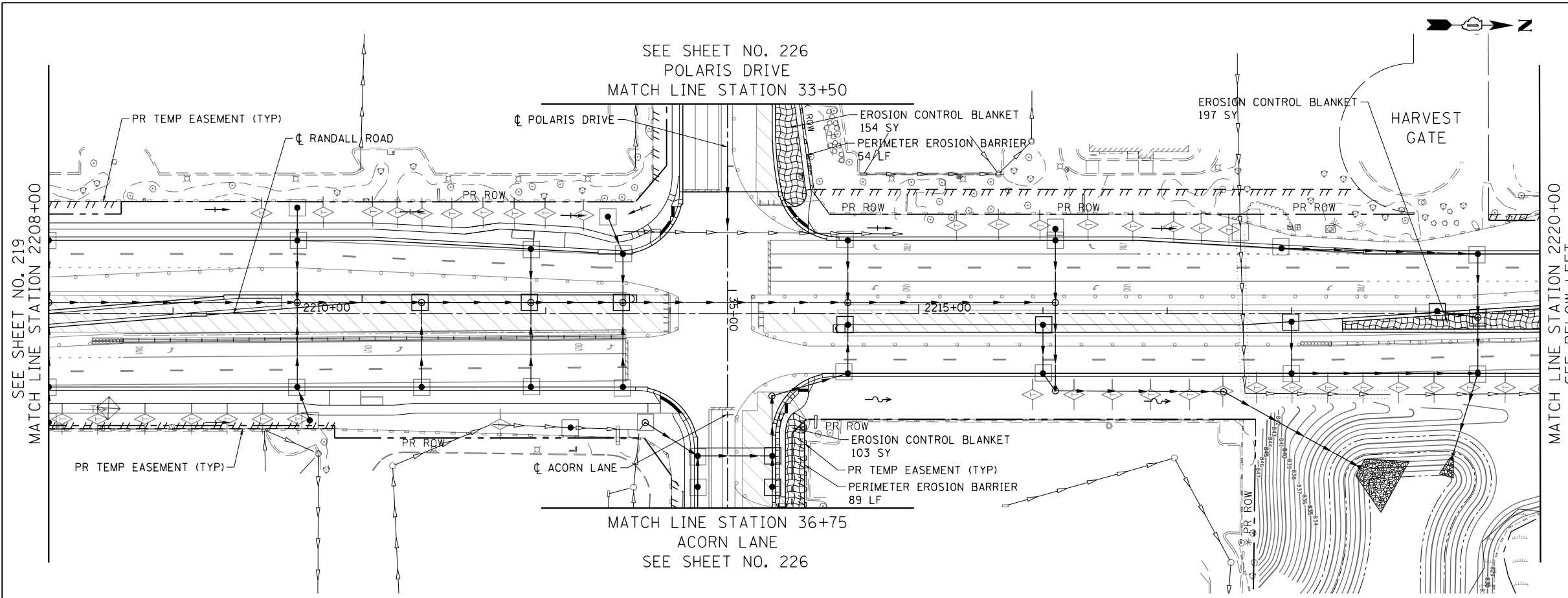
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

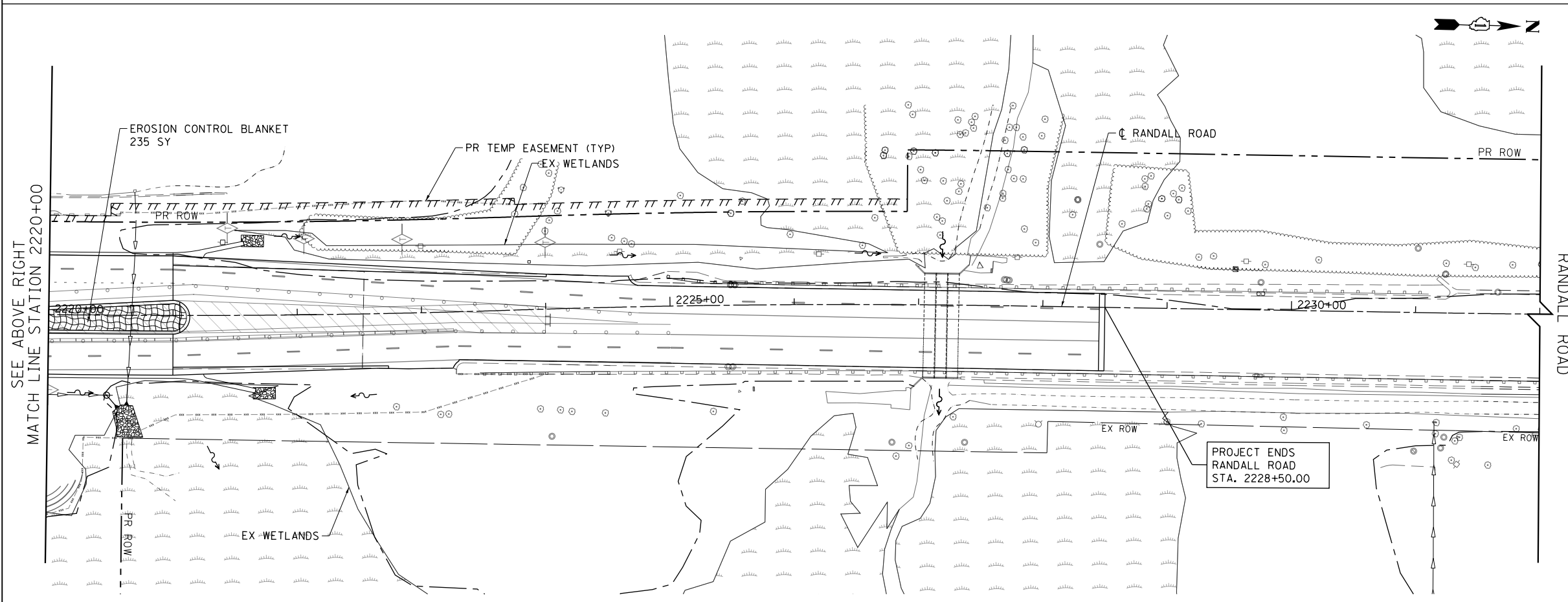
**EROSION AND SEDIMENT CONTROL DETAILS
RANDALL ROAD STAGE 3**

SCALE: 1" = 50' SHEET 3 OF 11 SHEETS STA 2184+00 TO STA 2208+00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	219
			CONTRACT NO.	61E53
ILLINOIS FED. AID PROJECT				



- LEGEND**
- EROSION CONTROL BLANKET
 - HEAVY DUTY EROSION CONTROL BLANKET
 - PERIMETER EROSION BARRIER
 - PERIMETER EROSION BARRIER SPECIAL TEMPORARY FENCE
 - INLET AND PIPE PROTECTION
 - INLET FILTERS
 - CULVERT INLET PROTECTION-STONE
 - TEMPORARY DITCH CHECK
 - STABILIZED CONSTRUCTION ENTRANCE
 - CONCRETE TRUCK WASHOUT
 - CONSTRUCTION WORK ZONE
 - TEMPORARY PAVEMENT
 - EXISTING WETLANDS
- NOTE:**
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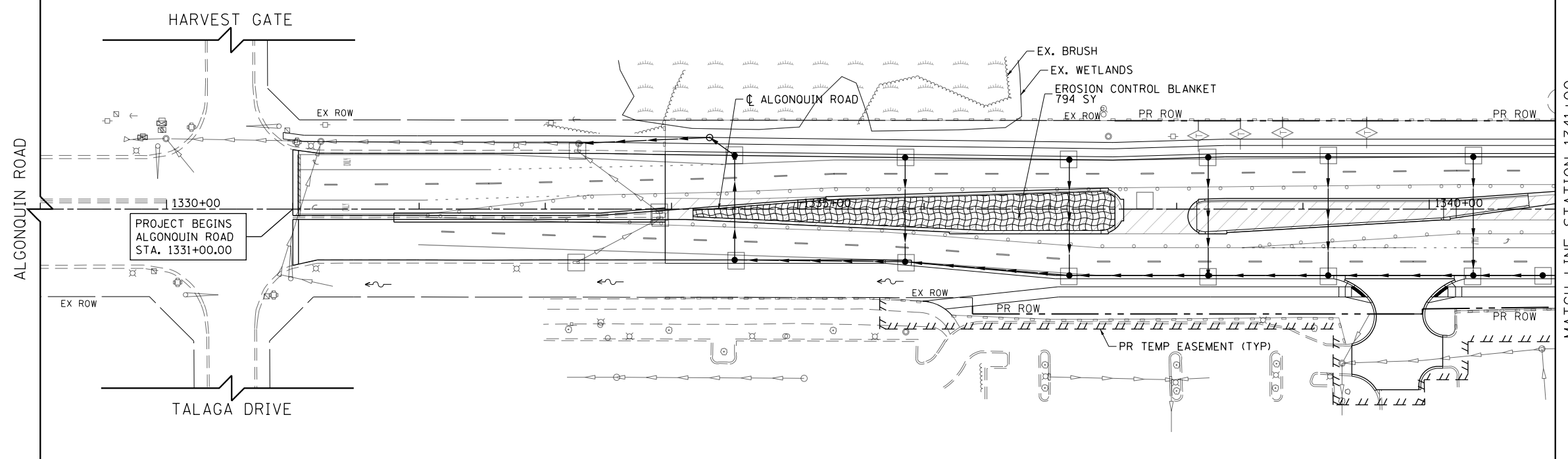
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 ITASCA, ILLINOIS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL DETAILS
RANDALL ROAD STAGE 3
 SCALE: 1" = 50' SHEET 4 OF 11 SHEETS STA 2208+00 TO STA 2232+00

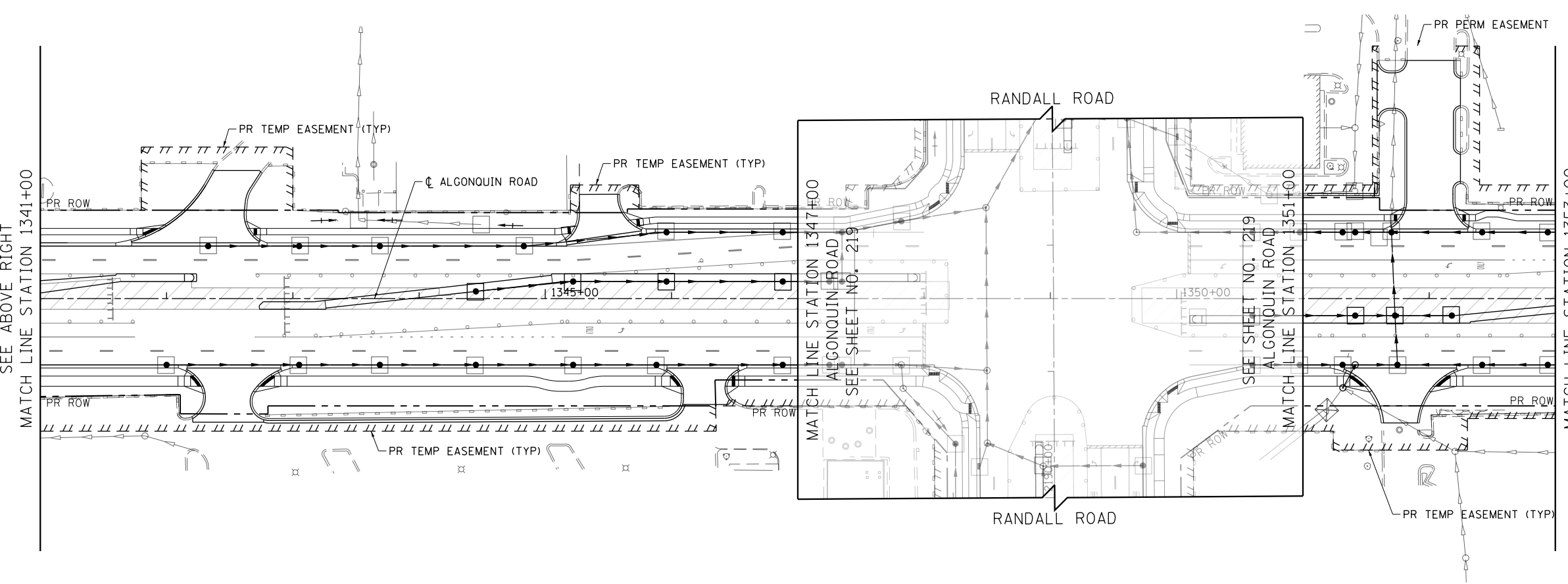
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336	06-00329-01-PW	MCHENRY	1751	220
			CONTRACT NO.	61E53
ILLINOIS FED. AID PROJECT				



- LEGEND**
- EROSION CONTROL BLANKET
 - HEAVY DUTY EROSION CONTROL BLANKET
 - PERIMETER EROSION BARRIER
 - PERIMETER EROSION BARRIER SPECIAL TEMPORARY FENCE
 - INLET AND PIPE PROTECTION
 - INLET FILTERS
 - CULVERT INLET PROTECTION-STONE
 - TEMPORARY DITCH CHECK
 - STABILIZED CONSTRUCTION ENTRANCE
 - CONCRETE TRUCK WASHOUT
 - CONSTRUCTION WORK ZONE
 - TEMPORARY PAVEMENT
 - EXISTING WETLANDS
- NOTE:**
 EROSION CONTROL DEVICES INSTALLED DURING STAGE 2 TO REMAIN IN PLACE UNTIL FINAL EROSION CONTROL MEASURES ARE INSTALLED AND VEGETATION COVERAGE IS ESTABLISHED PER PERMIT REQUIREMENTS AND TO THE SATISFACTION OF THE ENGINEER. SHOWN FOR REFERENCE ONLY.

MATCH LINE STATION 1341+00
 SEE BELOW LEFT

SEE ABOVE RIGHT
 MATCH LINE STATION 1341+00



MATCH LINE STATION 1353+00
 SEE SHEET NO. 222



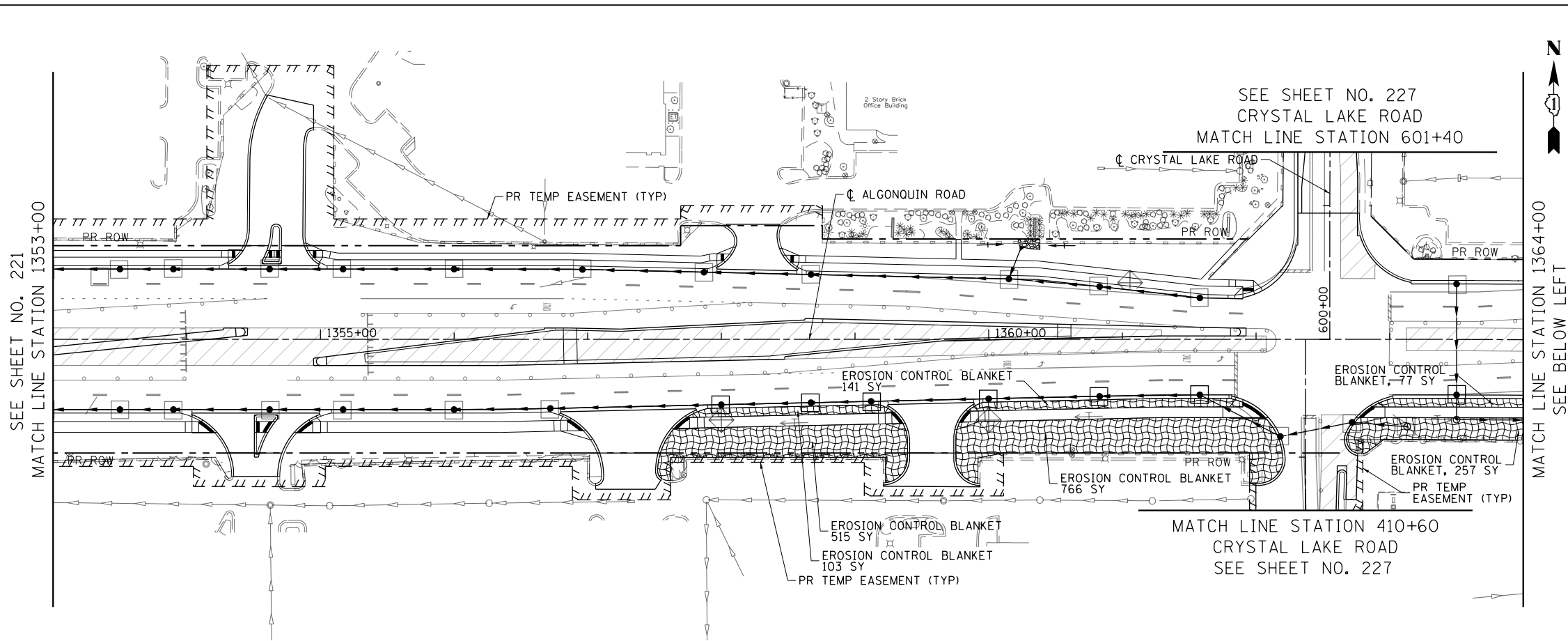
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL DETAILS
 ALGONQUIN ROAD STAGE 3**

SCALE: 1" = 50' SHEET 5 OF 11 SHEETS STA 1334+00 TO STA 1353+00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	06-00329-01-PW	MCHENRY	1751	221
			CONTRACT NO.	61E53
ILLINOIS FED. AID PROJECT				



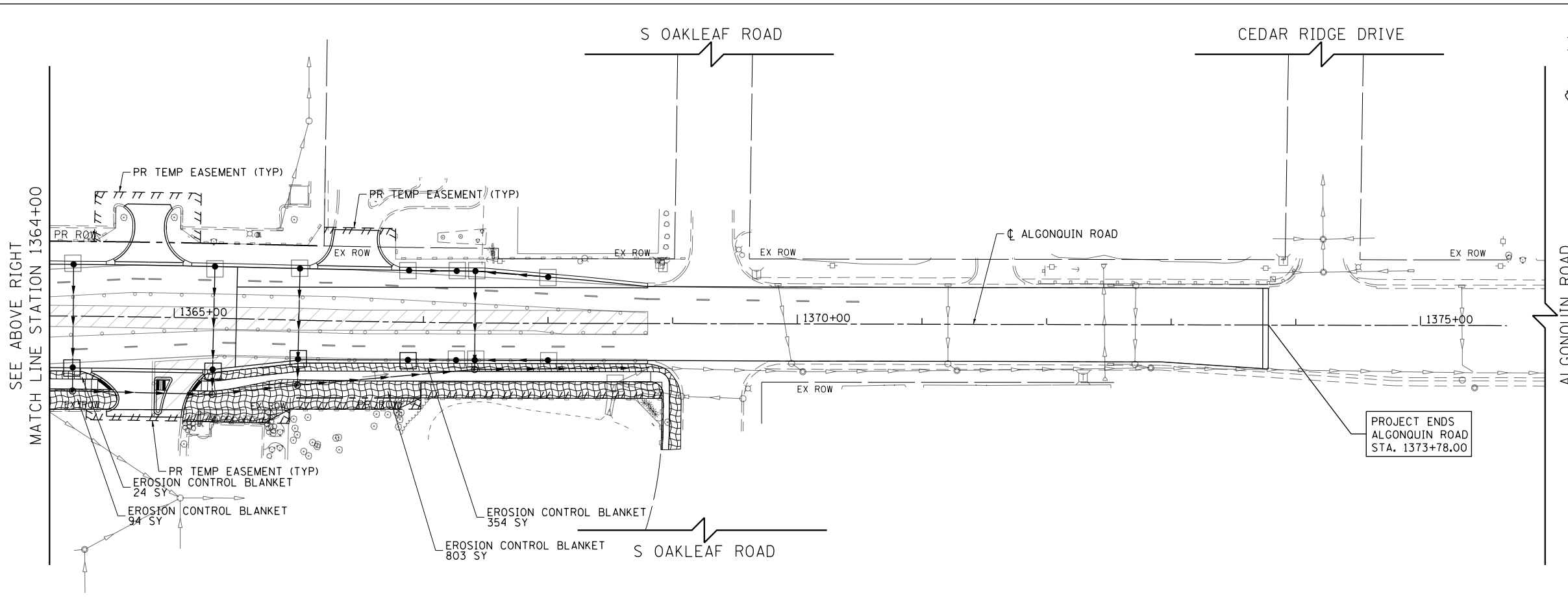
SEE SHEET NO. 221
MATCH LINE STATION 1353+00

SEE SHEET NO. 227
MATCH LINE STATION 601+40

SEE SHEET NO. 227
MATCH LINE STATION 410+60
CRYSTAL LAKE ROAD
SEE SHEET NO. 227

MATCH LINE STATION 1364+00
SEE BELOW LEFT

- LEGEND**
- EROSION CONTROL BLANKET
 - HEAVY DUTY EROSION CONTROL BLANKET
 - PERIMETER EROSION BARRIER
 - PERIMETER EROSION BARRIER SPECIAL TEMPORARY FENCE
 - INLET AND PIPE PROTECTION
 - INLET FILTERS
 - CULVERT INLET PROTECTION-STONE
 - TEMPORARY DITCH CHECK
 - STABILIZED CONSTRUCTION ENTRANCE
 - CONCRETE TRUCK WASHOUT
 - CONSTRUCTION WORK ZONE
 - TEMPORARY PAVEMENT
 - EXISTING WETLANDS
- NOTE:**
EROSION CONTROL DEVICES INSTALLED DURING STAGE 2 TO REMAIN IN PLACE UNTIL FINAL EROSION CONTROL MEASURES ARE INSTALLED AND VEGETATION COVERAGE IS ESTABLISHED PER PERMIT REQUIREMENTS AND TO THE SATISFACTION OF THE ENGINEER. SHOWN FOR REFERENCE ONLY.



SEE ABOVE RIGHT
MATCH LINE STATION 1364+00

PROJECT ENDS
ALGONQUIN ROAD
STA. 1373+78.00

MATCH LINE STATION 1378+00

Bollinger, Lach & Associates, Inc.
ITASC, ILLINOIS

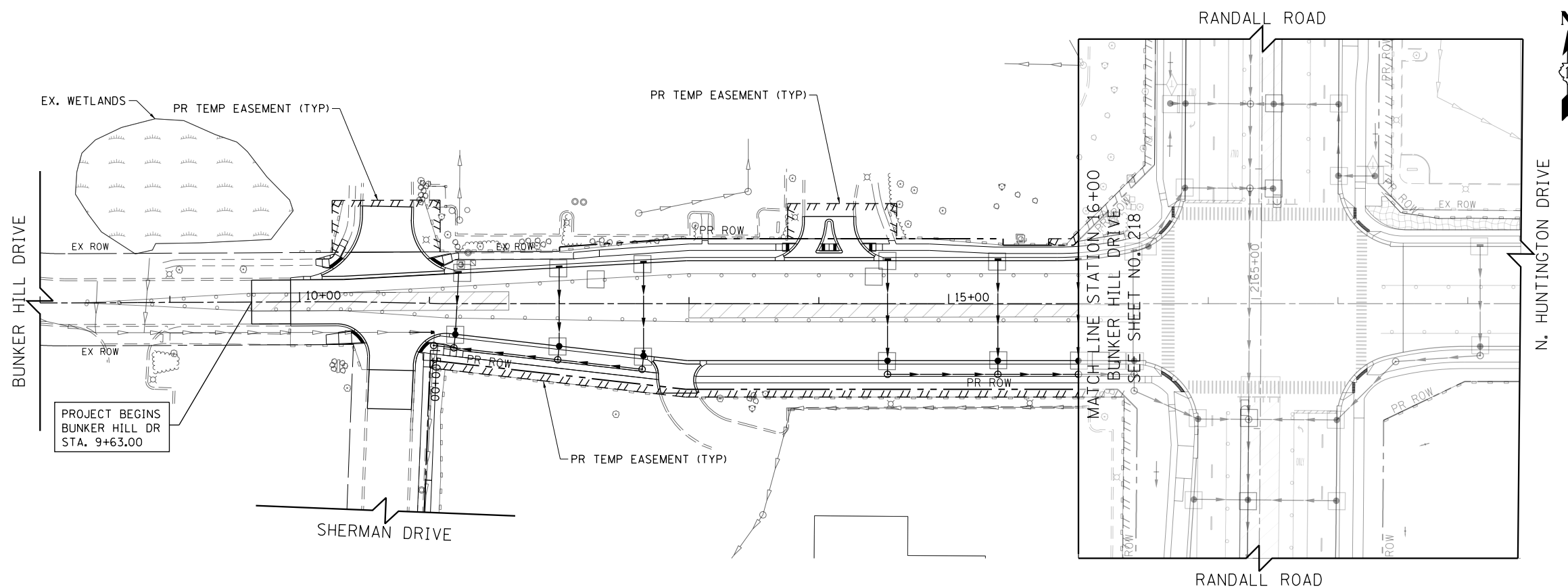
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PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

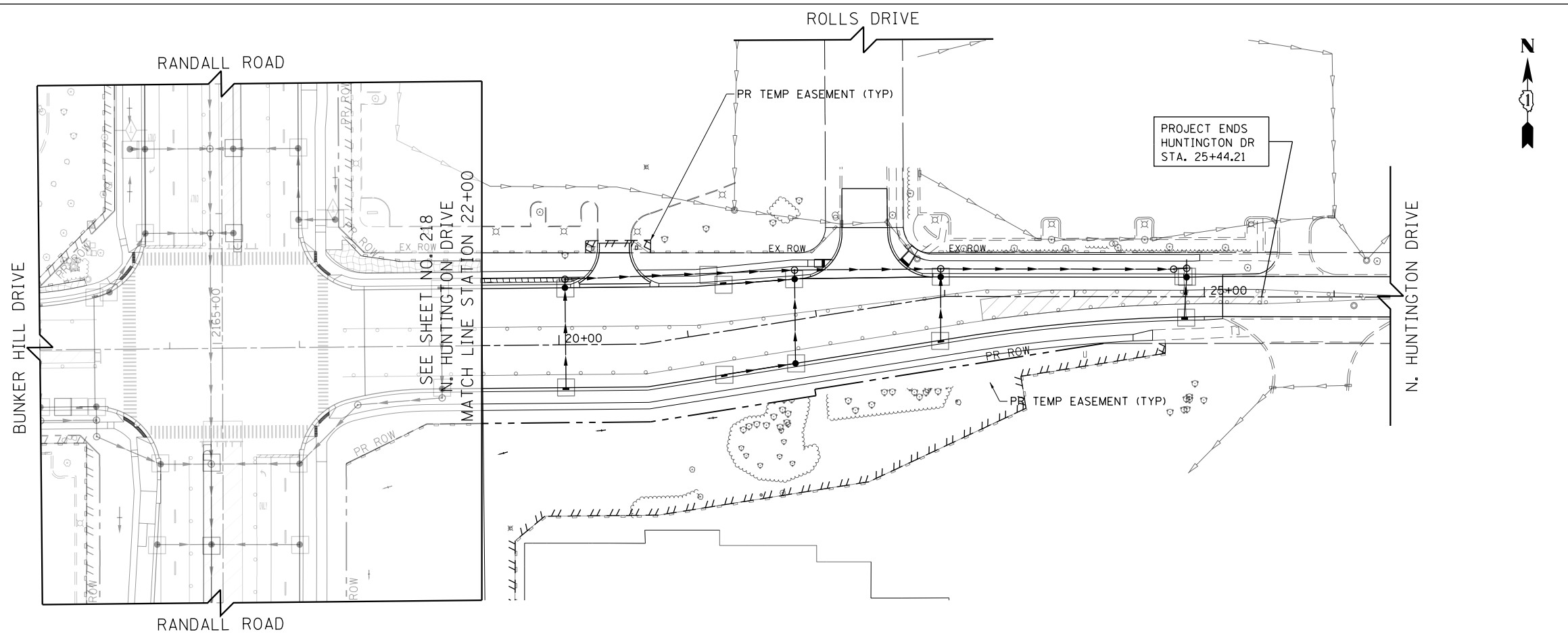
EROSION AND SEDIMENT CONTROL DETAILS
ALGONQUIN ROAD STAGE 3

SCALE: 1" = 50' SHEET 6 OF 11 SHEETS STA 1353+00 TO STA 1368+95.01

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	06-00329-01-PW	MCHENRY	1751	222
			CONTRACT NO. 61E53	
ILLINOIS FED. AID PROJECT				



- LEGEND**
- EROSION CONTROL BLANKET
 - HEAVY DUTY EROSION CONTROL BLANKET
 - PERIMETER EROSION BARRIER
 - PERIMETER EROSION BARRIER SPECIAL TEMPORARY FENCE
 - INLET AND PIPE PROTECTION
 - INLET FILTERS
 - CULVERT INLET PROTECTION-STONE
 - TEMPORARY DITCH CHECK
 - STABILIZED CONSTRUCTION ENTRANCE
 - CONCRETE TRUCK WASHOUT
 - CONSTRUCTION WORK ZONE
 - TEMPORARY PAVEMENT
 - EXISTING WETLANDS
- NOTE:**
 EROSION CONTROL DEVICES INSTALLED DURING STAGE 2 TO REMAIN IN PLACE UNTIL FINAL EROSION CONTROL MEASURES ARE INSTALLED AND VEGETATION COVERAGE IS ESTABLISHED PER PERMIT REQUIREMENTS AND TO THE SATISFACTION OF THE ENGINEER. SHOWN FOR REFERENCE ONLY.



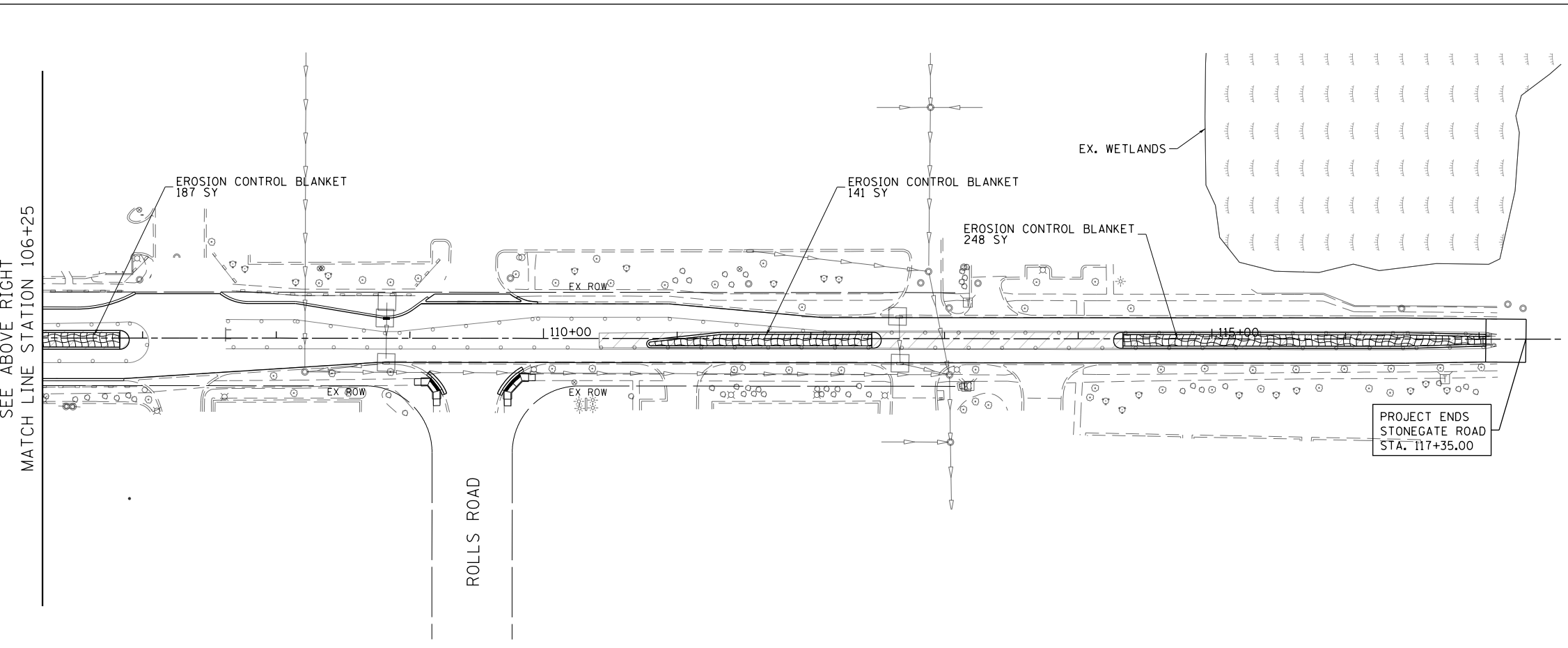
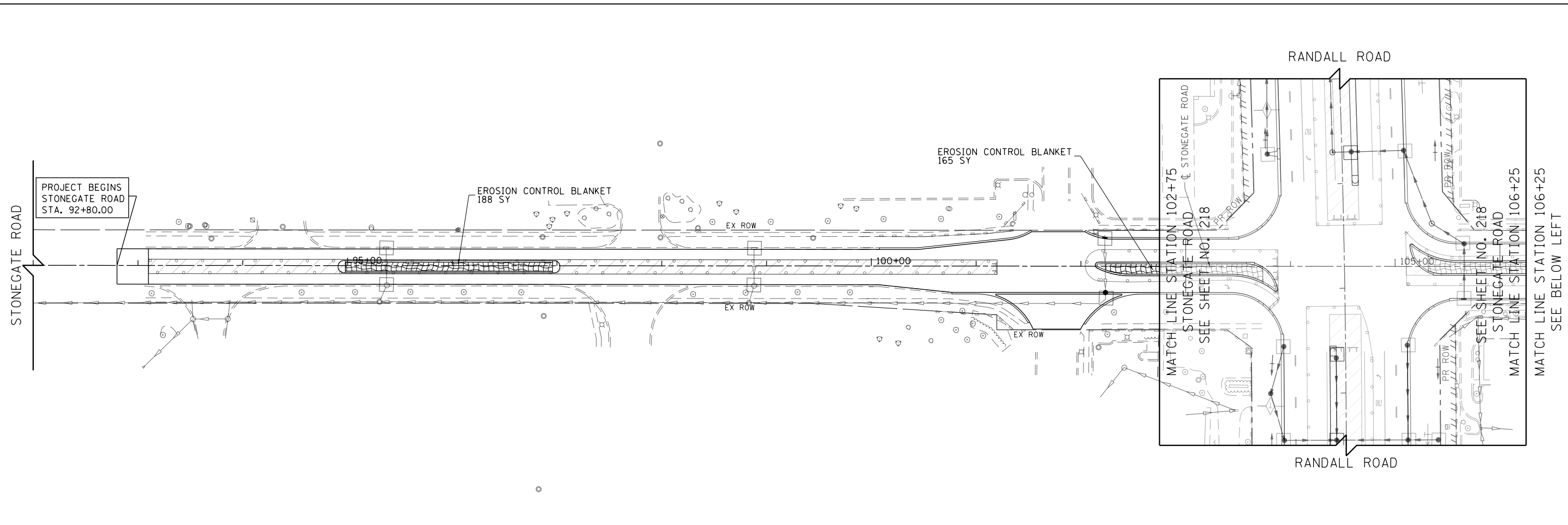
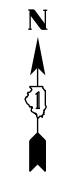
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PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL DETAILS
 BUNKER HILL/HUNTINGTON DRIVE STAGE 3**

SCALE: 1" = 50' SHEET 7 OF 11 SHEETS STA 8+00 TO STA 29+00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	223
			CONTRACT NO. 61E53	
ILLINOIS FED. AID PROJECT				



- LEGEND**
- EROSION CONTROL BLANKET
 - HEAVY DUTY EROSION CONTROL BLANKET
 - PERIMETER EROSION BARRIER
 - PERIMETER EROSION BARRIER SPECIAL, TEMPORARY FENCE
 - INLET AND PIPE PROTECTION
 - INLET FILTERS
 - CULVERT INLET PROTECTION-STONE
 - TEMPORARY DITCH CHECK
 - STABILIZED CONSTRUCTION ENTRANCE
 - CONCRETE TRUCK WASHOUT
 - CONSTRUCTION WORK ZONE
 - TEMPORARY PAVEMENT
 - EXISTING WETLANDS

NOTE:
 EROSION CONTROL DEVICES INSTALLED DURING PRESTAGE TO REMAIN IN PLACE UNTIL FINAL EROSION CONTROL MEASURES ARE INSTALLED AND VEGETATION COVERAGE IS ESTABLISHED PER PERMIT REQUIREMENTS AND TO SATISFACTION OF THE ENGINEER. SHOWN FOR REFERENCE ONLY.

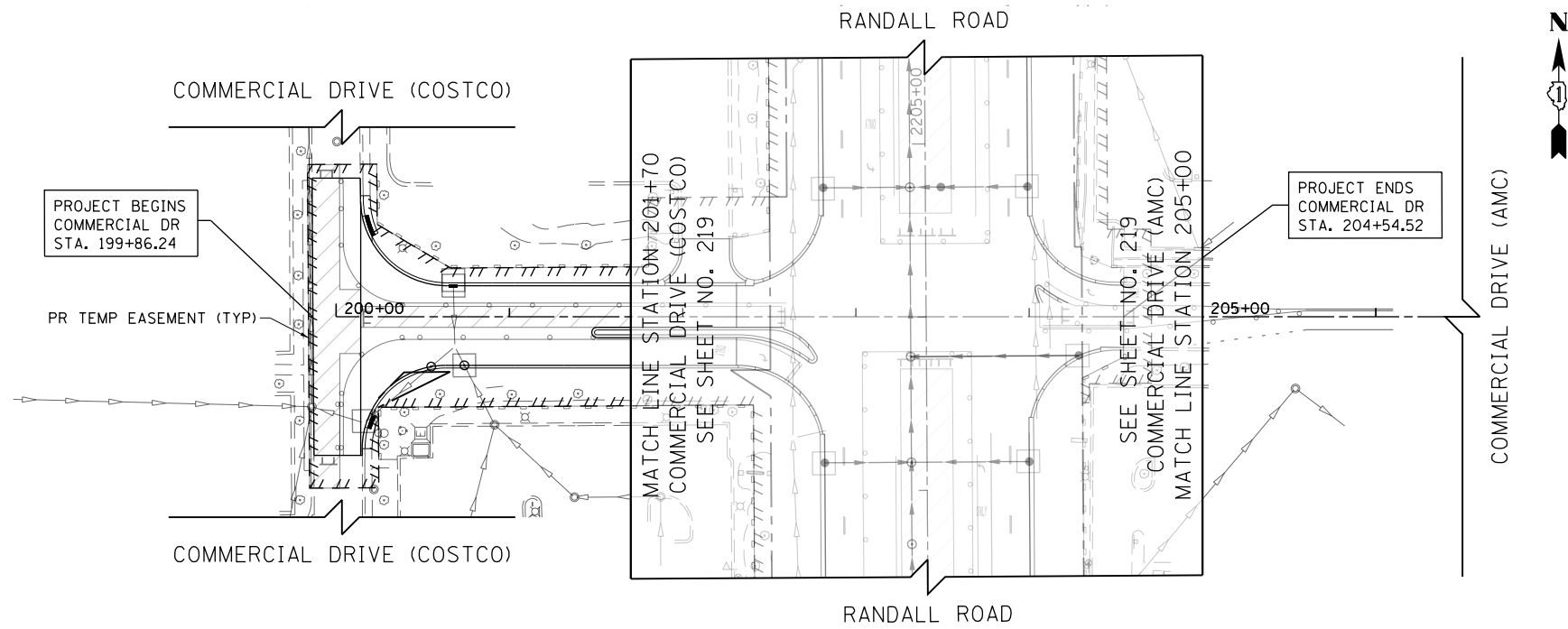
Bollinger, Lach & Associates, Inc.
 ITASCA, ILLINOIS

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EROSION AND SEDIMENT CONTROL DETAILS STONEGATE ROAD STAGE 3			
SCALE: 1" = 50'	SHEET 8	OF 11 SHEETS	STA 100+00 TO STA 117+05

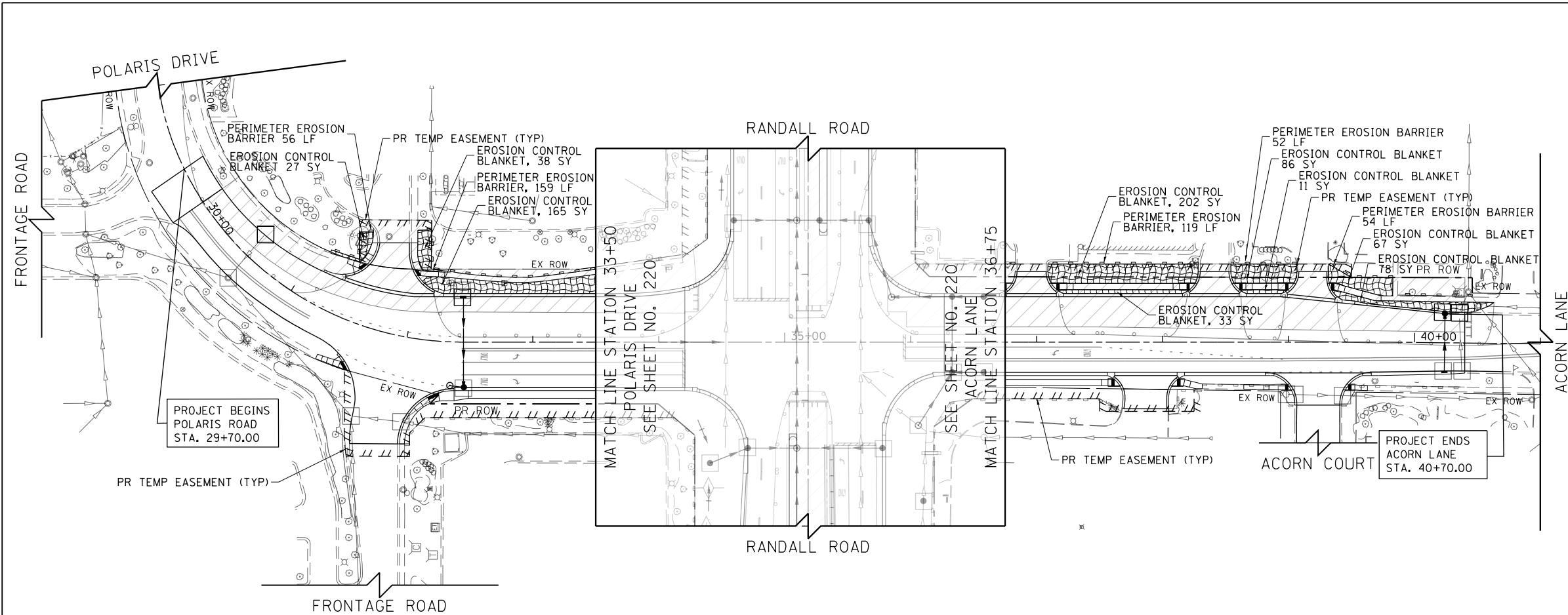
FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	224
			CONTRACT NO.	61E53
ILLINOIS FED. AID PROJECT				



- LEGEND**
- EROSION CONTROL BLANKET
 - HEAVY DUTY EROSION CONTROL BLANKET
 - PERIMETER EROSION BARRIER
 - PERIMETER EROSION BARRIER SPECIAL TEMPORARY FENCE
 - INLET AND PIPE PROTECTION
 - INLET FILTERS
 - CULVERT INLET PROTECTION-STONE
 - TEMPORARY DITCH CHECK
 - STABILIZED CONSTRUCTION ENTRANCE
 - CONCRETE TRUCK WASHOUT
 - CONSTRUCTION WORK ZONE
 - TEMPORARY PAVEMENT
 - EXISTING WETLANDS
- NOTE:**
 EROSION CONTROL DEVICES INSTALLED DURING STAGE 1 TO REMAIN IN PLACE UNTIL FINAL EROSION CONTROL MEASURES ARE INSTALLED AND VEGETATION COVERAGE IS ESTABLISHED PER PERMIT REQUIREMENTS AND TO THE SATISFACTION OF THE ENGINEER. SHOWN FOR REFERENCE ONLY.

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FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	225
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61E53	



- LEGEND**
- EROSION CONTROL BLANKET
 - HEAVY DUTY EROSION CONTROL BLANKET
 - PERIMETER EROSION BARRIER
 - PERIMETER EROSION BARRIER SPECIAL TEMPORARY FENCE
 - INLET AND PIPE PROTECTION
 - INLET FILTERS
 - CULVERT INLET PROTECTION-STONE
 - TEMPORARY DITCH CHECK
 - STABILIZED CONSTRUCTION ENTRANCE
 - CONCRETE TRUCK WASHOUT
 - CONSTRUCTION WORK ZONE
 - TEMPORARY PAVEMENT
 - EXISTING WETLANDS
- NOTE:**
 EROSION CONTROL DEVICES INSTALLED DURING STAGE 2 TO REMAIN IN PLACE UNTIL FINAL EROSION CONTROL MEASURES ARE INSTALLED AND VEGETATION COVERAGE IS ESTABLISHED PER PERMIT REQUIREMENTS AND TO THE SATISFACTION OF THE ENGINEER. SHOWN FOR REFERENCE ONLY.

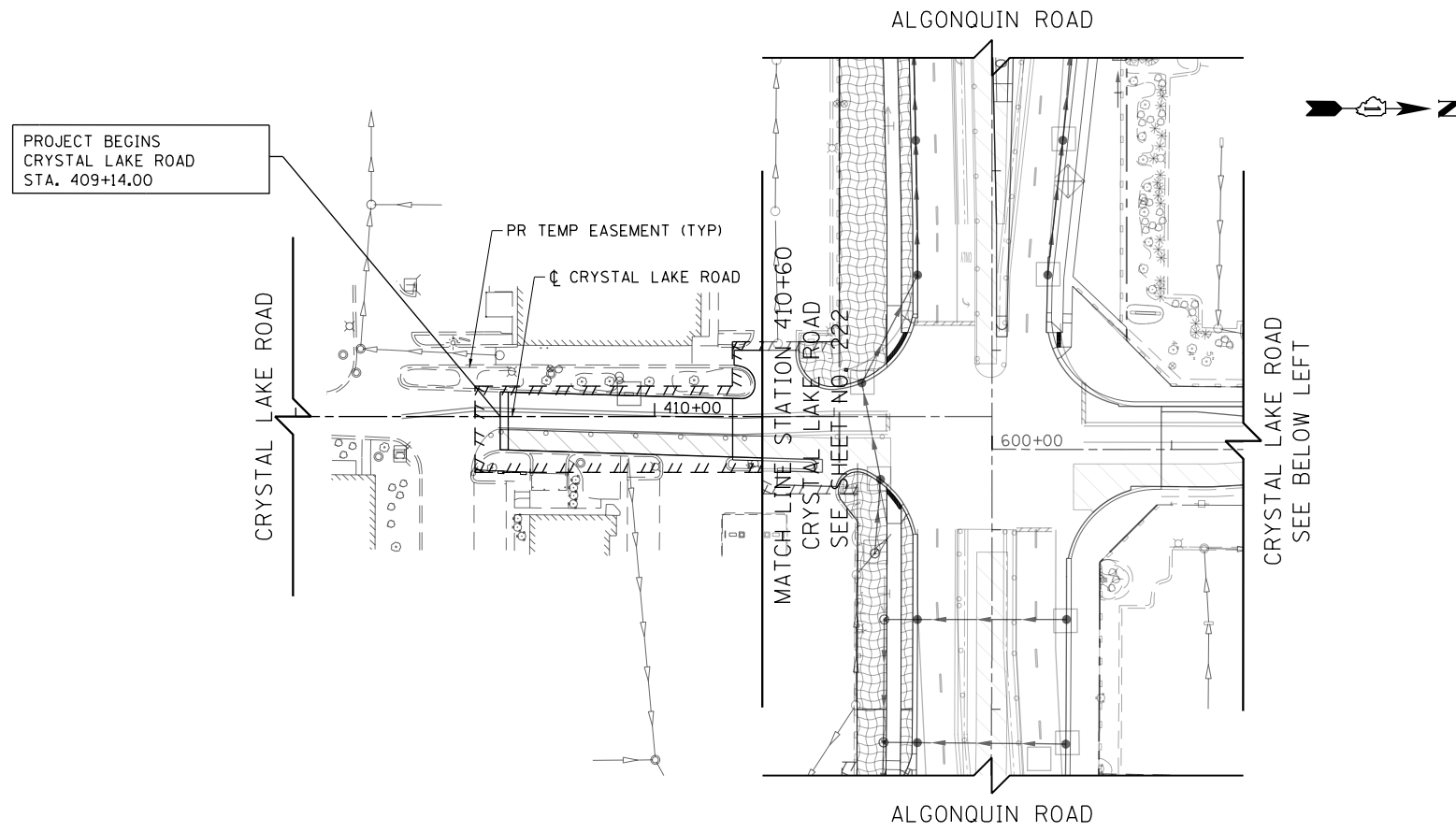
Bollinger, Lach & Associates, Inc.
 ITASCA, ILLINOIS

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

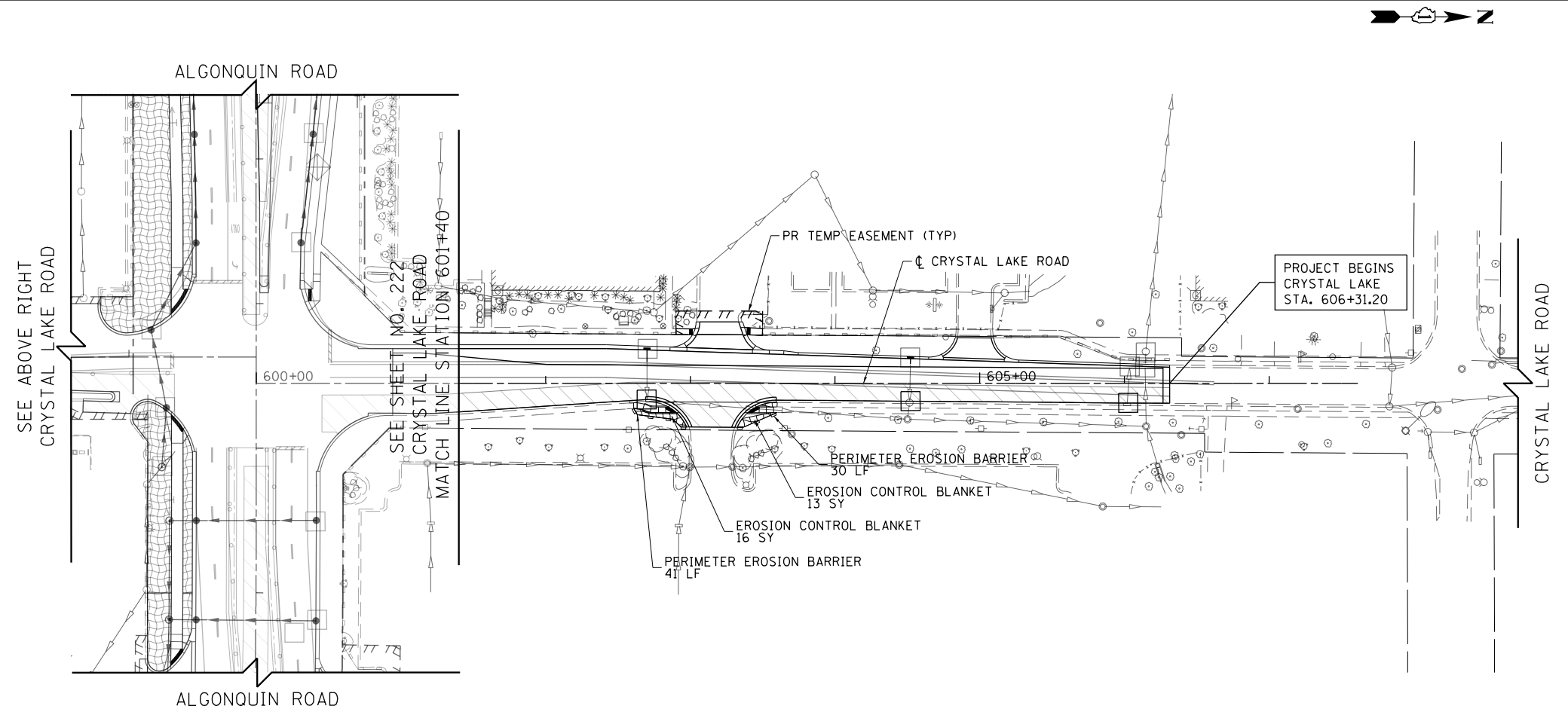
EROSION AND SEDIMENT CONTROL DETAILS			
POLARIS DRIVE /ACORN LANE STAGE 3			
SCALE: 1" = 50'	SHEET 10	OF 11 SHEETS	STA 28+00 TO STA 41+00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	226
ILLINOIS FED. AID PROJECT			CONTRACT NO.	61E53



- LEGEND**
- EROSION CONTROL BLANKET
 - HEAVY DUTY EROSION CONTROL BLANKET
 - PERIMETER EROSION BARRIER
 - PERIMETER EROSION BARRIER SPECIAL TEMPORARY FENCE
 - INLET AND PIPE PROTECTION
 - INLET FILTERS
 - CULVERT INLET PROTECTION-STONE
 - TEMPORARY DITCH CHECK
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 - TEMPORARY PAVEMENT
 - EXISTING WETLANDS

NOTE:
 EROSION CONTROL DEVICES INSTALLED DURING STAGE 2 TO REMAIN IN PLACE UNTIL FINAL EROSION CONTROL MEASURES ARE INSTALLED AND VEGETATION COVERAGE IS ESTABLISHED PER PERMIT REQUIREMENTS AND TO THE SATISFACTION OF THE ENGINEER. SHOWN FOR REFERENCE ONLY.



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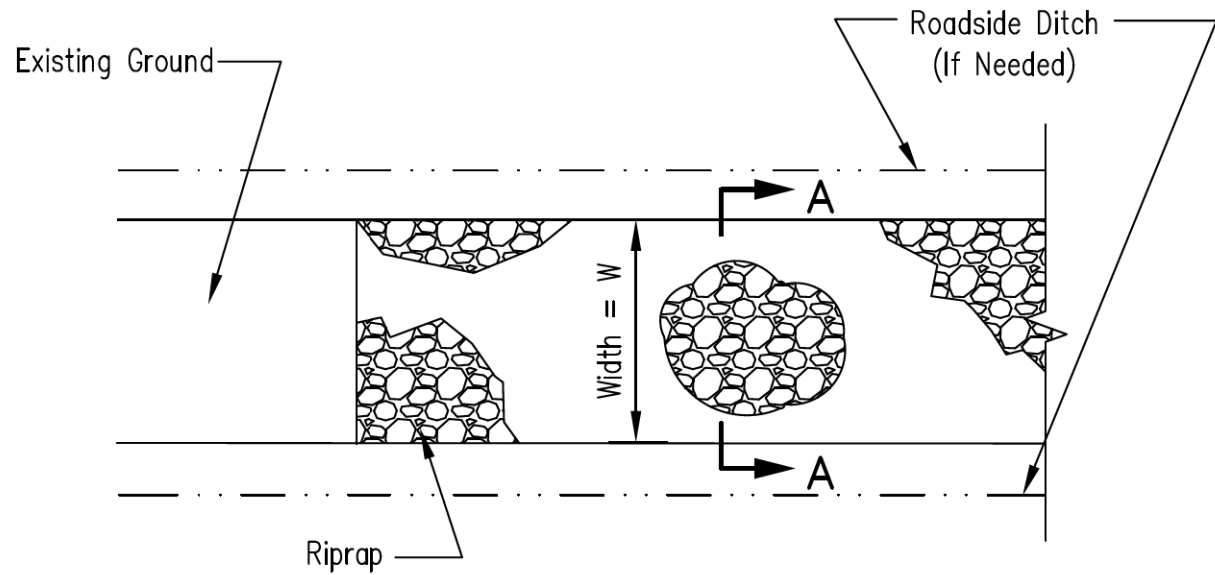
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL DETAILS
 CRYSTAL LAKE ROAD STAGE 3**

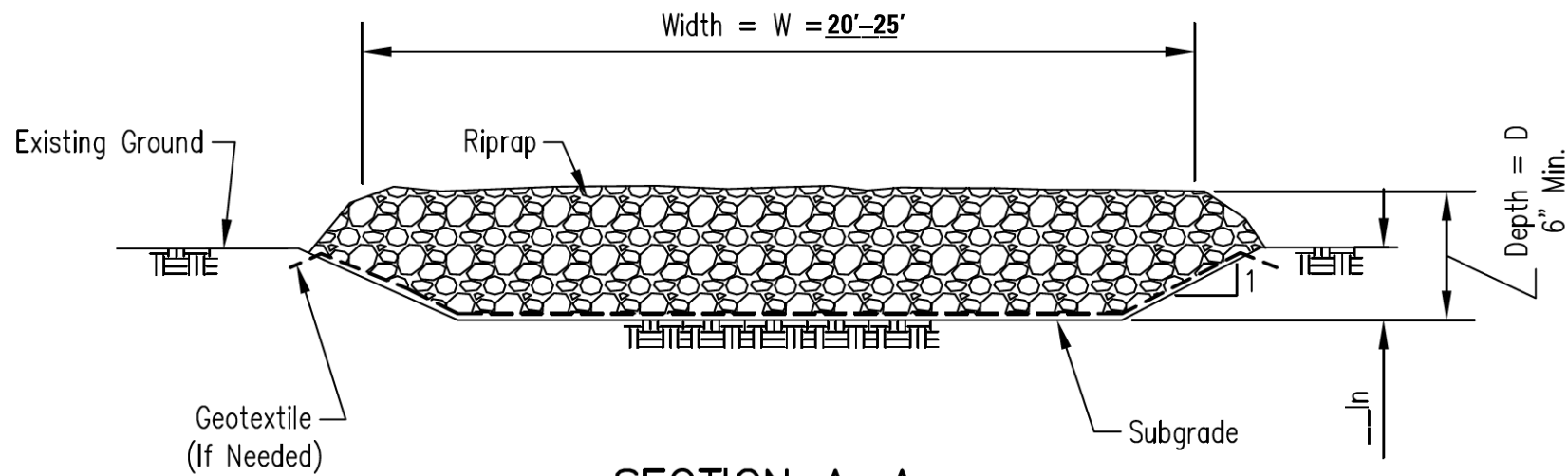
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FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	227
CONTRACT NO.			61E53	

ILLINOIS FED. AID PROJECT



PLAN VIEW



SECTION A-A

NOTES:

1. Rock shall meet one of the following IDOT coarse aggregate gradations, CA-1, CA-2, CA-3 or CA-4 and be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III compaction.
2. See plans for construction road location, D and W dimensions.
3. Minimum width is 14 feet for one-way traffic and 20 feet for two-way traffic. Two-way traffic widths shall be increased a minimum of 4 feet for trailer traffic. Depending on the type of vehicle or equipment, speed, loads, climatic and other conditions under which vehicles and equipment operate an increase in the minimum widths may be required.
4. Roadway shall follow the contour of the natural terrain to the extent possible.
5. Geotextile (non-woven, needle punched) min. criteria:
 Grab Tensile strength (lb) ASTM D 4632 _____ 202
 Elongation at failure (%) ASTM D 4632 _____ ≥50
 Trapezoidal tear strength (lb) ASTM D 4533 _____ 79
 Puncture strength (lb) ASTM D 6241 _____ 433
 Ultraviolet light (% retained strength) ASTM 4355 _____ min 50
 Apparent opening size (AOS) ASTM D 4751 _____
 max 0.22 mm (US sieve size 70)
 Permittivity sec^{-1} / ASTM D 4491 _____ min 0.70
6. Any geotextile splices shall overlap a minimum of 18 inches, with upstream or upslope geotextile overlapping the abutting downslope geotextile.

Designed	M. QUINONES	Date	10/1/13
Drawn		Checked	
Approved		Approved	

CONSTRUCTION ROAD STABILIZATION

United States Department of Agriculture
USDA
 Natural Resources Conservation Service

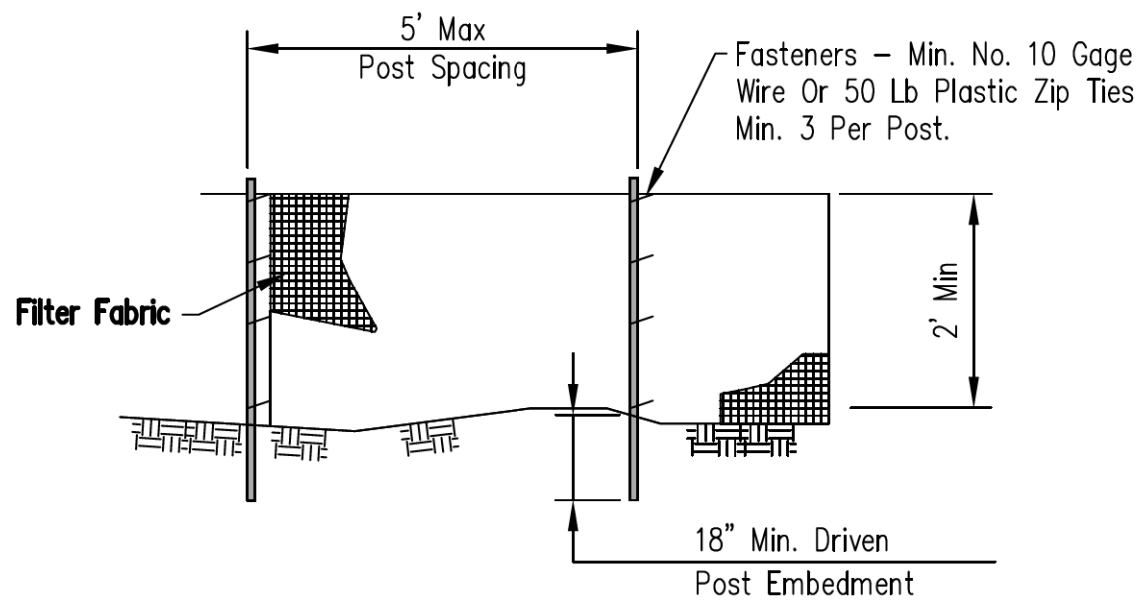
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Page	1 of 1
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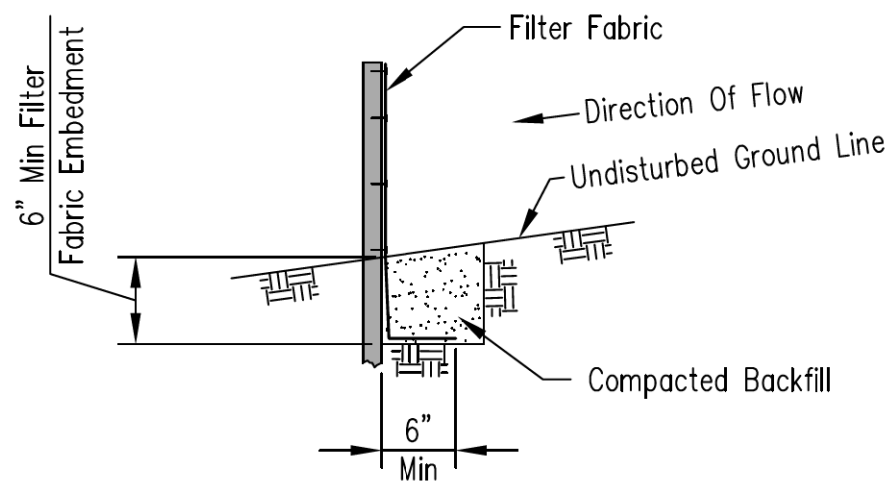
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL DETAILS	
DETAILS	
SCALE: NONE	SHEET 1 OF 12 SHEETS

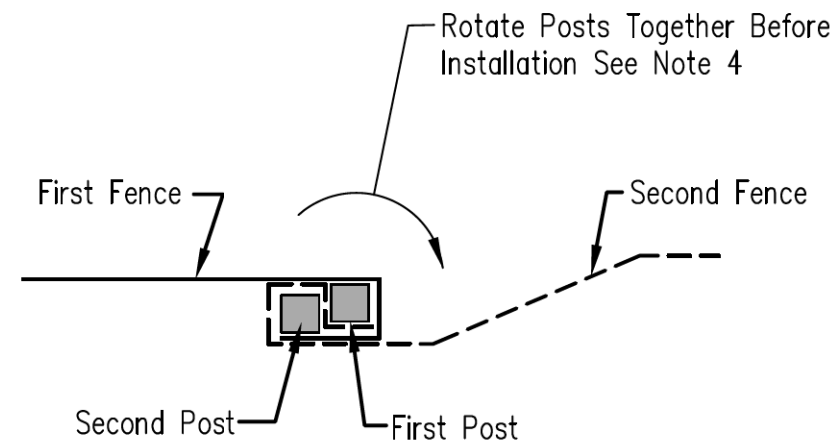
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336	06-00329-01-PW	MCHENRY	1751	228
CONTRACT NO.			61E53	
ILLINOIS FED. AID PROJECT				



ELEVATION



FABRIC ANCHOR DETAIL



SPLICE DETAIL-PLAN VIEW

NOTES:

1. Temporary silt fence shall be installed prior to any grading work in the area to be protected. Fence shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization.
2. Filter fabric shall meet the requirements of material specification 1080.03 Geotextile Table 1 or 2, Class I with equivalent opening size of at least 30 for nonwoven and 50 for woven.
3. Fence posts shall be either wood post with a minimum cross-sectional area of 1.5" X 1.5" or a standard steel post.
4. When splices are necessary make splice at post according to splice detail. Place the end post of the second fence inside the end post of the first fence. Rotate both posts together at least 180 degrees to create a tight seal with the fabric material. Cut the fabric near the bottom of the posts to accommodate the 6 inch flap. Then drive both posts and bury the flap. Compact backfill well.

Designed	Date
Drawn	8/1/14
Checked	M. QUINONES
Approved	

SILT FENCE

United States Department of Agriculture
USDA
 Natural Resources Conservation Service

File No.	IL-ENG-49
Drawing No.	
Page	1 of 1
Sheet	of



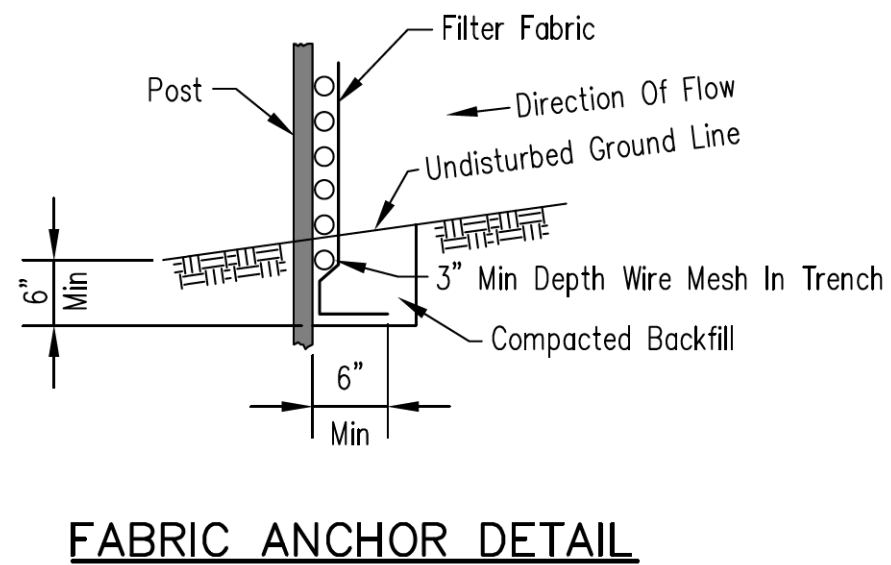
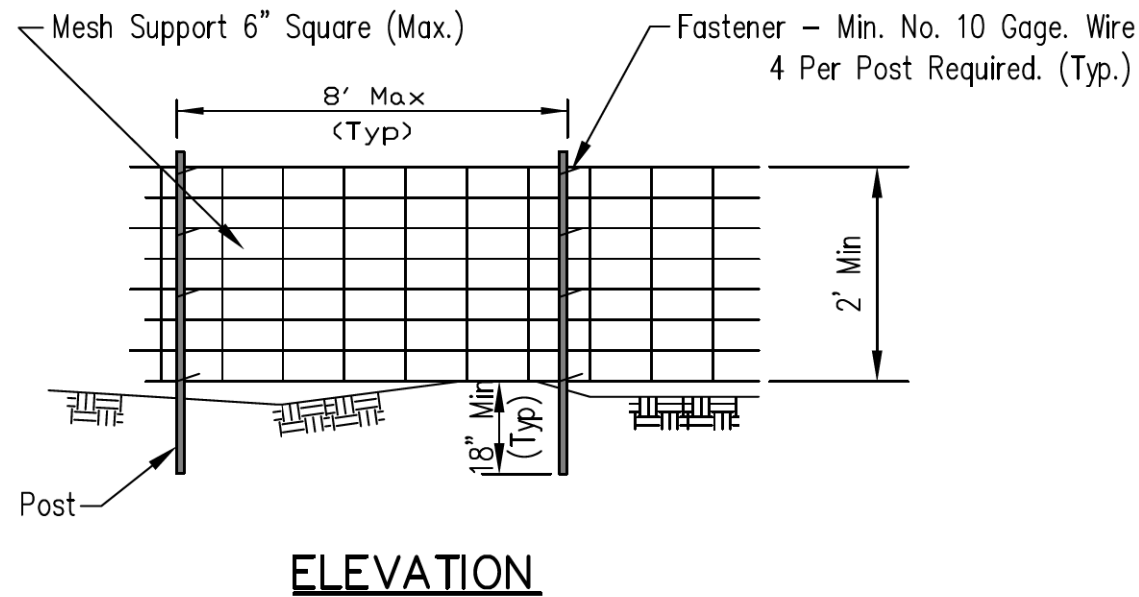
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PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL DETAILS
DETAILS**

SCALE: NONE SHEET 2 OF 12 SHEETS

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	229
			CONTRACT NO.	61E53
ILLINOIS FED. AID PROJECT				



NOTES:

1. Wires of mesh support shall be minimum gage no. 12.
2. Temporary sediment fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization.
3. Filter fabric shall meet the requirements of material specification 1080.03 592 Geotextile Table 1 or 2, Class I with equivalent opening size of at least 30 for nonwoven and 50 for woven.
4. Fence posts shall be either wood post with a minimum cross-sectional area of 3.0 sq. in. or a standard steel post.

Date	4/1/14
Designed	M. QUINONES
Drawn	
Checked	
Approved	

SILT FENCE WITH WIRE SUPPORT

United States
Department of
Agriculture

Natural Resources
Conservation Service

File No.	IL-ENG-50
Drawing No.	
Page	1 of 1
Sheet	of

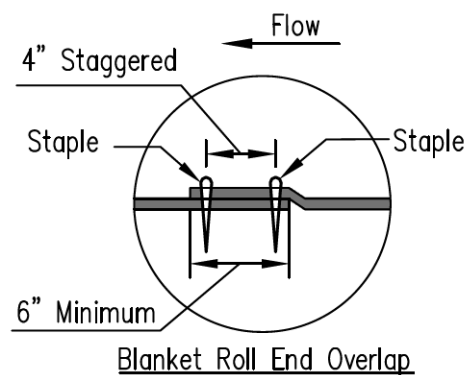
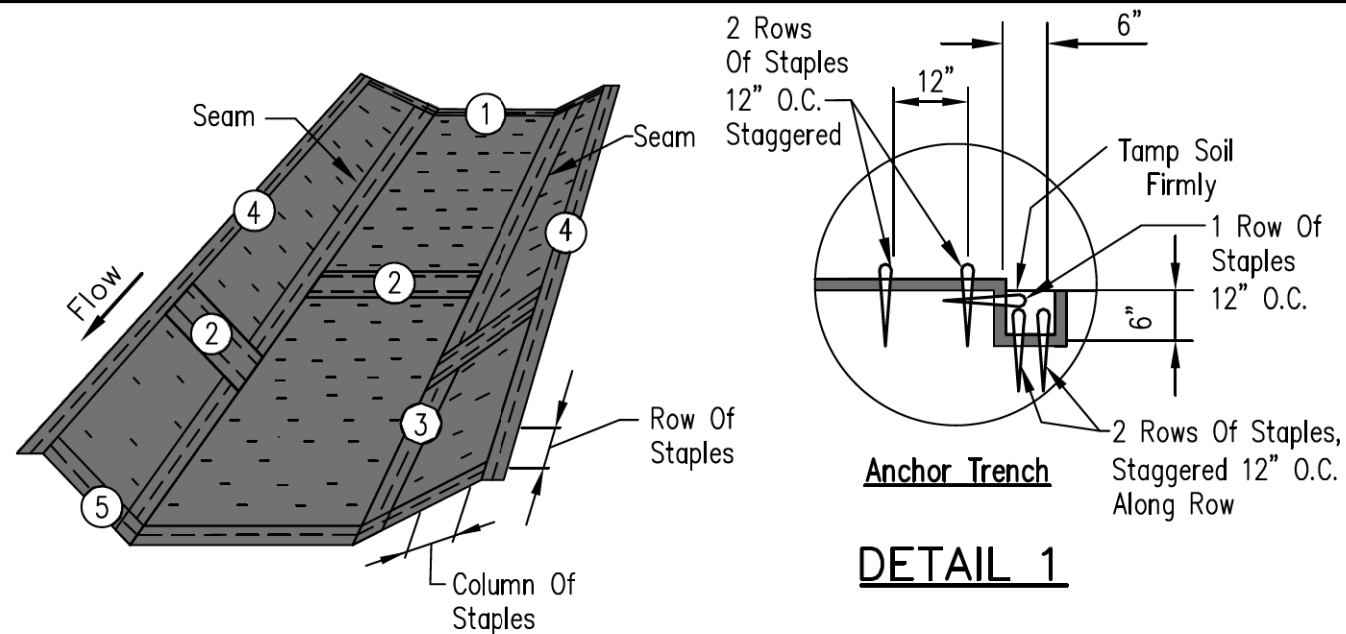
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

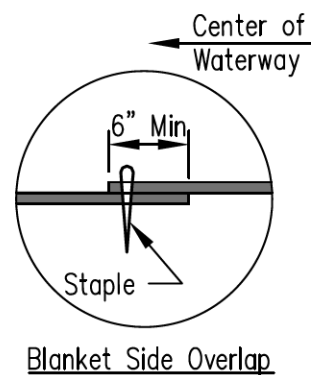
**EROSION AND SEDIMENT CONTROL DETAILS
 DETAILS**

SCALE: NONE SHEET 3 OF 12 SHEETS

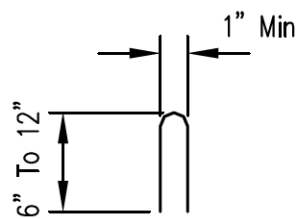
FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	230
			CONTRACT NO. 61E53	
ILLINOIS FED. AID PROJECT				



DETAIL 2



DETAIL 3



STAPLE DETAIL

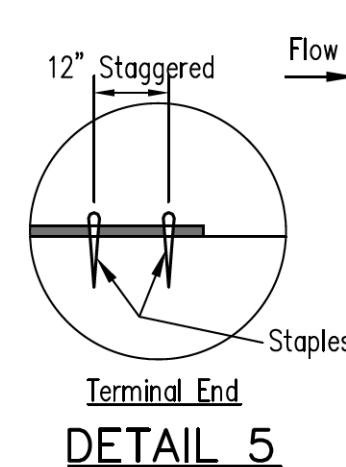
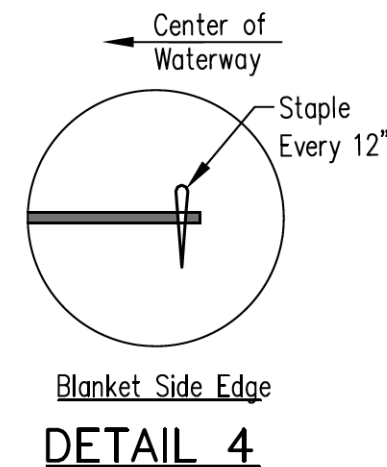
Waterway #			
Waterway Width (ft)	SEE SOIL	EROSION AND	SEDIMENT
ECB Width (ft)	CONTROL DETAIL SHEETS	SHEETS FOR	LOCATIONS AND DIMENSIONS OF BLANKET.
Length (ft)			
Stations	_____ to _____	_____ to _____	_____ to _____

NOTES:

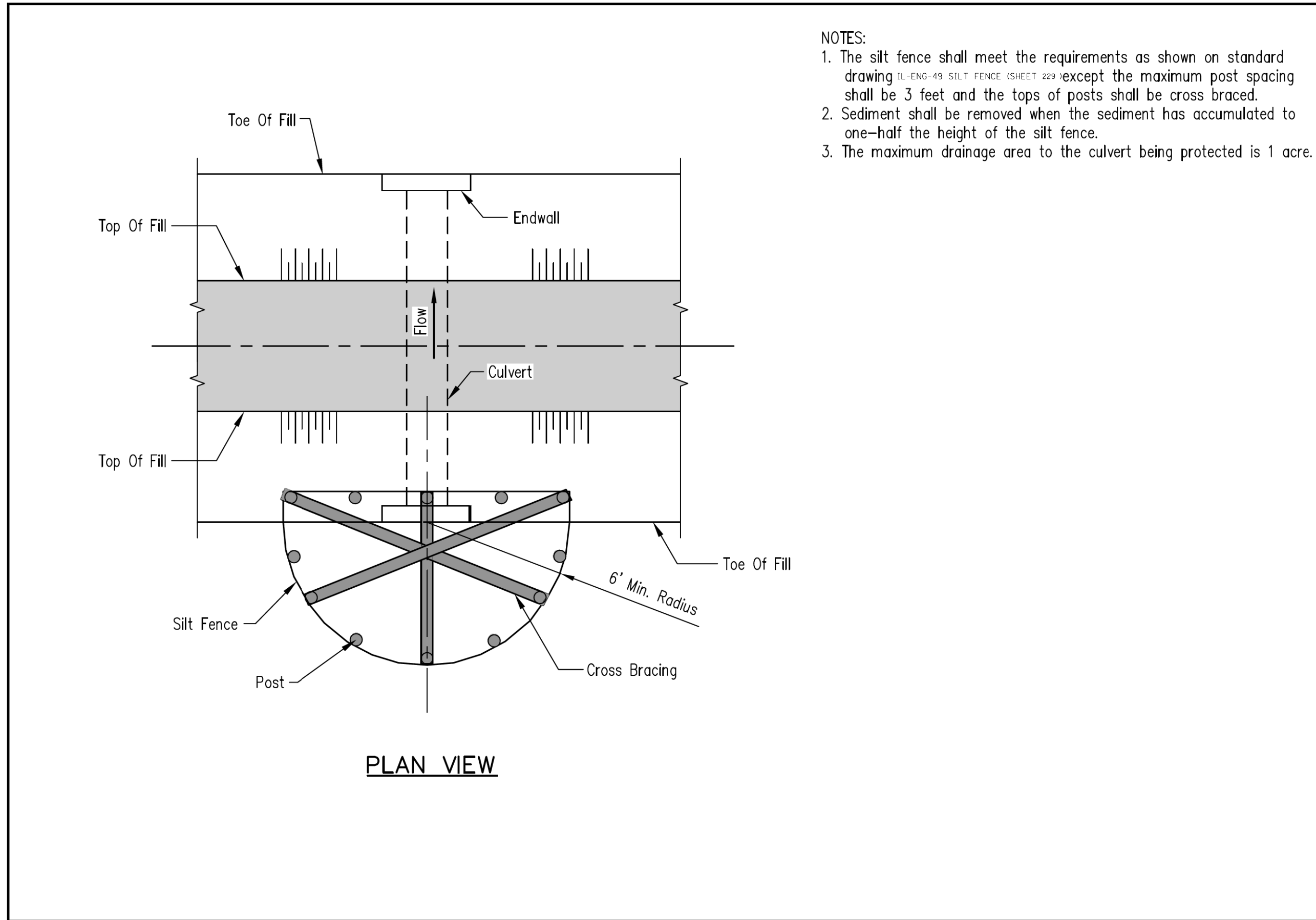
- The erosion control blanket consists of a machine produced mat of specified material. The product must meet the minimum requirements specified in Table 1, below. Ensure that the product is new and unused, and is furnished in rolls. Alternative materials may be used upon approval by the designer.
- Prepare soil prior to installing erosion control blanket, including seeding, fertilizing, and lime application.
- The erosion control blanket is to be placed in firm contact with the soil and not be allowed to bridge over surface irregularities. The blanket can not be stretched.
- Install the erosion control blanket according to manufacturer's instructions. If no manufacturer's instructions are available, install the blanket as follows:
 - Use "U" shaped staples, 0.12 in diameter wire or greater (#11 gauge). See Staple Detail for dimensions.
 - Bury upstream end of blanket in a trench 6 inch wide by 6 inch deep and stapled in staggered rows across the width as shown in Detail 1.
 - For joining ends of rolls, overlap end of upslope blanket a minimum of 6 inches over downslope blanket (shingle style). Use a double row of staggered staples 4 inches apart, as shown in Detail 2.
 - Overlap blankets on side slopes a minimum 6 inches over the blanket below (shingle style). Staple overlap at 12 inch intervals. See Detail 3.
 - Staple the outer edge along sides of the blanket every 12 inches. See Detail 4.
 - Staples are to be placed alternately in columns (in the direction of the waterway) 2 feet apart and in rows (across the waterway) 3 feet apart, throughout the area covered by erosion blanket.
 - Downstream (terminal) end of blanket are to be stapled with a double row of staggered staples 12 inches apart. See Detail 5.
- Start laying the blankets by rolling center blanket in the direction of flow, centered on the centerline of waterway. No overlap of blankets at the center of the waterway.

TABLE 1. MINIMUM REQUIREMENTS FOR EROSION CONTROL BLANKET

(See Note 1)	Coconut Blanket	Wood Fiber Blanket	
Type of Fiber	100% coconut fibers	100% curled wood fibers	
Weight, lbs/sq. yd.	0.50	0.63	
Life Expectancy	24 MONTHS	12 MONTHS	
Fiber Length	N/A	80% of fibers > 6 in.	
Fiber Dimensions	N/A	0.021 in. x 0.042 in.	
Netting			
Netting Required ?	Cover Top and bottom of blanket with a max. 5/8" x 5/8" opening size netting, bound to the mat on max. 1.5" centers.	Cover Top and bottom of blanket with a max. 5/8" x 5/8" opening size netting	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			



Not To Scale



NOTES:

1. The silt fence shall meet the requirements as shown on standard drawing IL-ENG-49 SILT FENCE (SHEET 229) except the maximum post spacing shall be 3 feet and the tops of posts shall be cross braced.
2. Sediment shall be removed when the sediment has accumulated to one-half the height of the silt fence.
3. The maximum drainage area to the culvert being protected is 1 acre.

Designed	M. QUINONES	Date	4/1/14
Drawn			
Checked			
Approved			

**CULVERT INLET PROTECTION
SILT FENCE**

United States
Department of
Agriculture
USDA
Natural Resources
Conservation Service

File No.
IL-ENG-59

Drawing No.

Page 1 of 1

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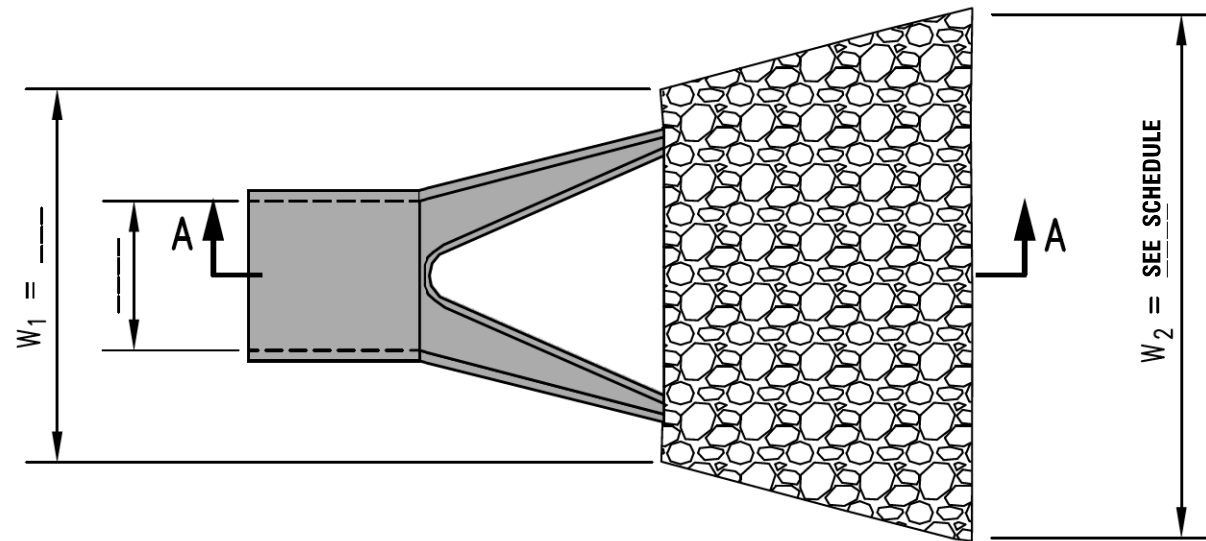
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL DETAILS
DETAILS**

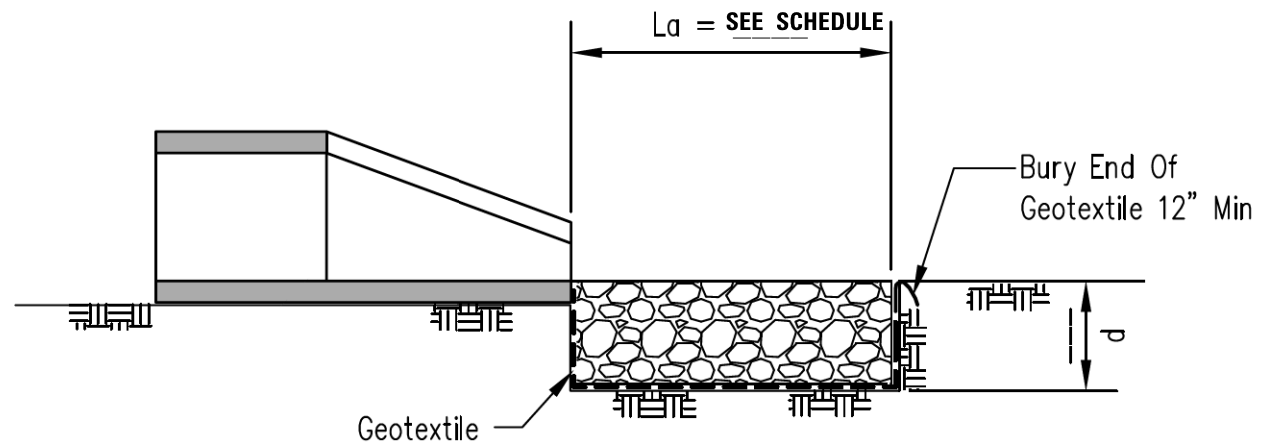
SCALE: NONE SHEET 5 OF 12 SHEETS

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	232
			CONTRACT NO.	61E53
ILLINOIS FED. AID PROJECT				

Pipe Outlet To Flat Area
No Well-Defined Channel



PLAN



SECTION A-A

NOTES:

1. The rock riprap shall meet IDOT requirements for Gradation No. **RR 3,4,5&6**, Quality Designation "A" or as designated by engineer.
2. Geotextile (non-woven, needle punched) Minimum criteria:
 Grab tensile strength (lb) ASTM D 4632 _____ 202
 Elongation at failure (%) ASTM D 4632 _____ ≥ 50
 Trapezoidal tear strength (lb) ASTM D 4533 _____ 79
 Puncture strength (lb) ASTM D 6241 _____ 433
 Ultraviolet light (% retained strength) ASTM D 4355 _____ min 50
 Apparent opening size (AOS) ASTM D 4751 _____
 _____ max 0.22 mm (US sieve size 70)
 Permittivity sec^{-1} / ASTM D 4491 _____ min 0.70
3. Any geotextile splices shall overlap a minimum of 18 inches, with upstream or upslope geotextile overlapping the abutting downslope geotextile.
4. Apron width W_1 shall be at least 3 times the culvert pipe diameter. Apron width W_2 shall be at least to L_a plus the pipe diameter.
5. Rock thickness d shall be at least 1.5 times the riprap D_{100} size.
6. Apron length L_a and rock riprap shall be sized according to Illinois Urban Manual Rock Outlet Protection standard 910 minimum $L_a = 10$ ft.

Date	4/1/14
Designed	M. QUINONES
Drawn	
Checked	
Approved	

PIPE OUTLET TO FLAT AREA

United States
Department of
Agriculture

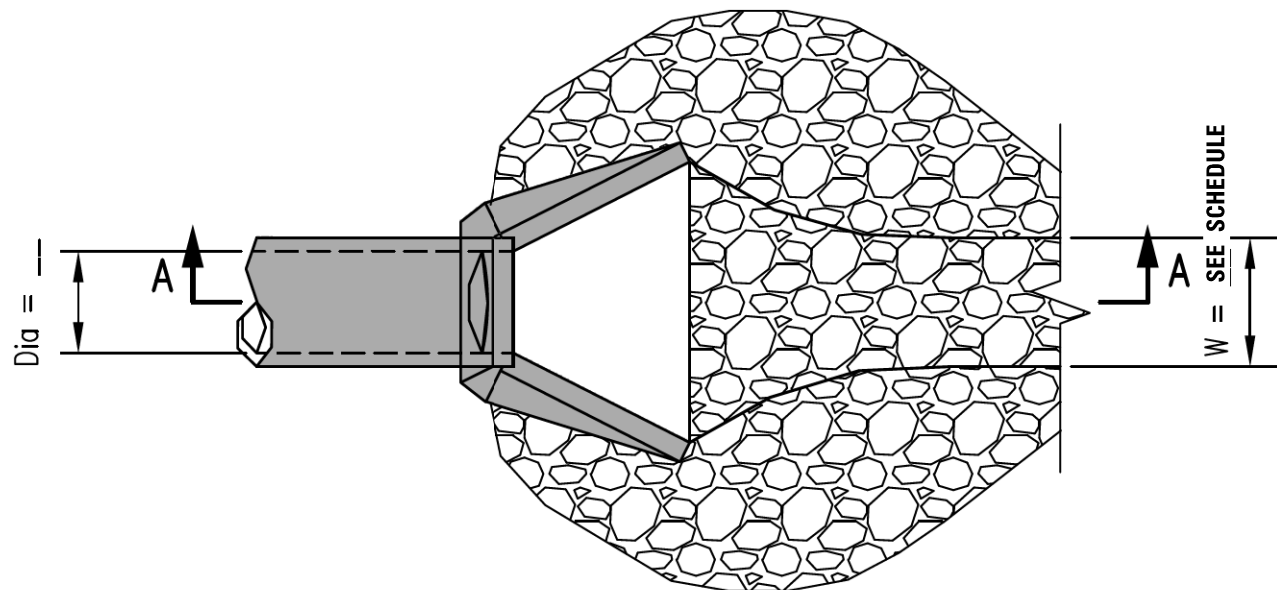
Natural Resources
Conservation Service

File No.	IL-ENG-44
Drawing No.	
Page	1 of 1
Sheet	of

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FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	233
CONTRACT NO.			61E53	
ILLINOIS FED. AID PROJECT				

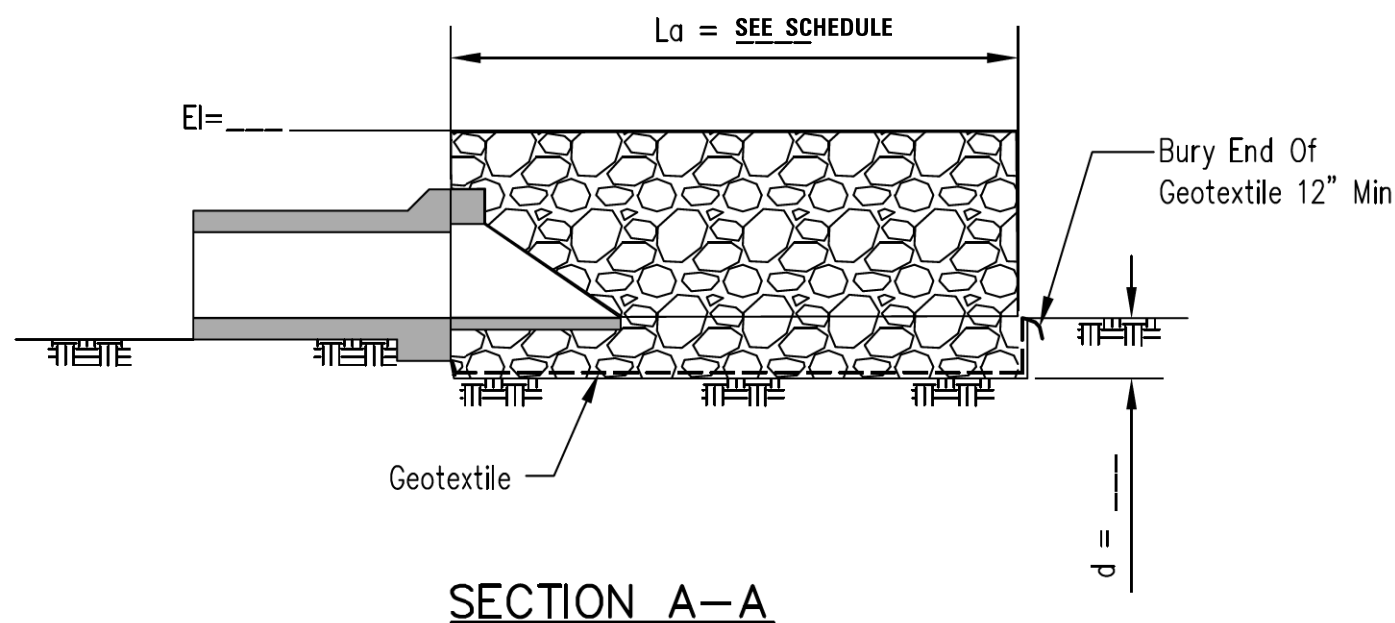
Pipe Outlet To Well-Defined Channel



PLAN

NOTES:

- The rock riprap shall meet IDOT requirements for Gradation No. **RR 3,4,5&6**, Quality Designation "A" or as designated by engineer.
- Geotextile (non-woven, needle punched) Minimum criteria:
 Grab tensile strength (lb) ASTM D 4632 _____ 202
 Elongation at failure (%) ASTM D 4632 _____ ≥ 50
 Trapezoidal tear strength (lb) ASTM D 4533 _____ 79
 Puncture strength (lb) ASTM D 6241 _____ 433
 Ultraviolet light (% retained strength) ASTM D 4355 _____ min 50
 Apparent opening size (AOS) ASTM D 4751 _____
 _____ max 0.22 mm (US sieve size 70)
 Permittivity sec^{-1} / ASTM D 4491 _____ min 0.70
- Any geotextile splices shall overlap a minimum of 18 inches, with upstream or upslope geotextile overlapping the abutting downslope geotextile.
- Apron shall extend across the channel bottom and up the channel banks to an elevation one foot above the maximum tailwater depth or to the top of bank.
- Rock thickness d shall be at least 1.5 times the riprap D_{100} size.
- Apron length L_a and rock riprap shall be sized according to Illinois Urban Manual Rock Outlet Protection standard 910 minimum $L_a = 10$ ft.



SECTION A-A

Designed	Date
Drawn	4/1/14
Checked	
Approved	

PIPE OUTLET TO CHANNEL

United States
 Department of
 Agriculture
USDA
 Natural Resources
 Conservation Service

File No.
IL-ENG-45
 Drawing No.
 Page 1 of 1
 Sheet of

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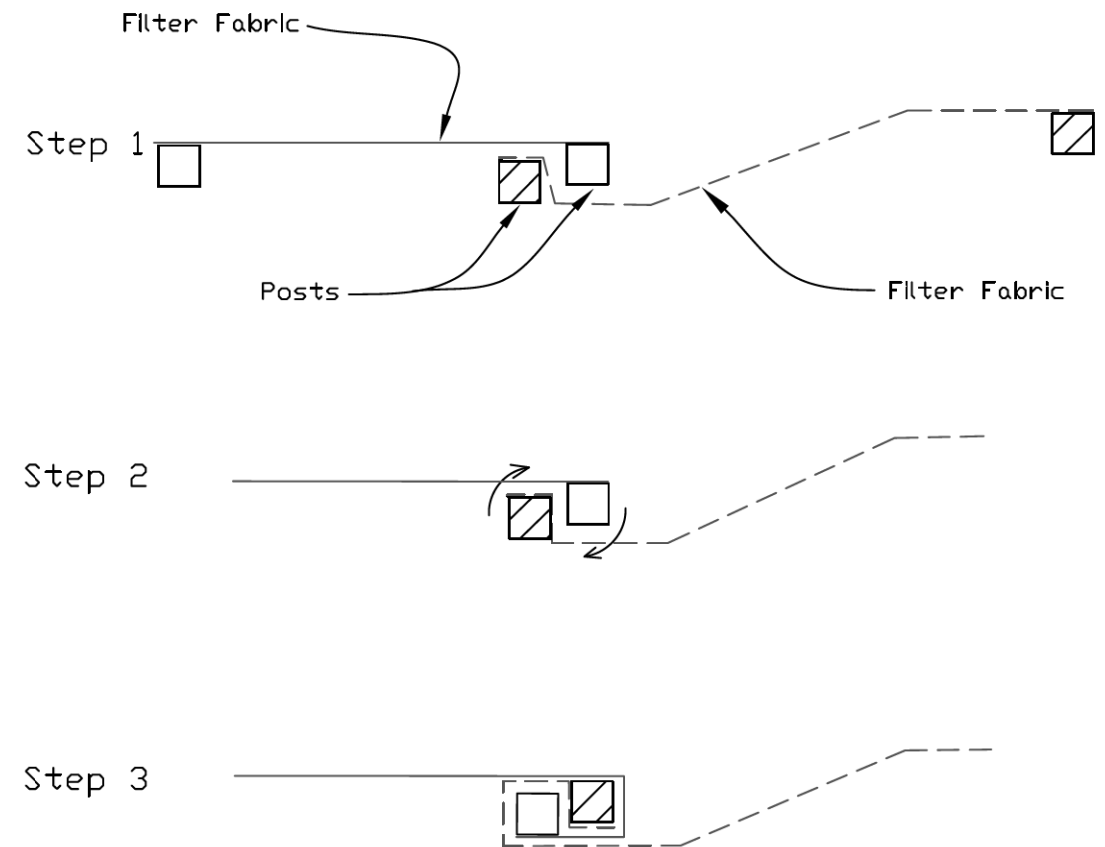
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL DETAILS
 DETAILS**

SCALE: NONE SHEET 7 OF 12 SHEETS

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	234
			CONTRACT NO.	61E53
ILLINOIS FED. AID PROJECT				

SILT FENCE - SPLICING TWO FENCES



ATTACHING TWO SILT FENCES

1. Place the end post of the second fence inside the end post of the first fence.
2. Rotate both posts at least 180 degrees in a clockwise direction to create a tight seal with the fabric material.
3. Cut the fabric near the bottom of the stakes to accommodate the 6" flap.
4. Drive both posts a minimum of 18 inches into the ground and bury the flap.
5. Compact backfill (particularly at splices) completely to prevent stormwater piping.

REFERENCE
 Project _____
 Designed _____ Date _____
 Checked _____ Date _____
 Approved _____ Date _____



STANDARD DWG. NO.
 IUM-620B(W)
 SHEET 1 OF 1
 DATE 3-16-2012

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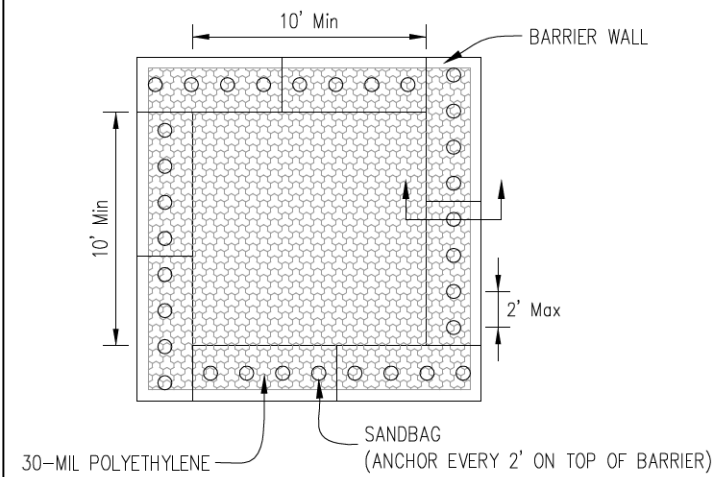
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL DETAILS
 DETAILS

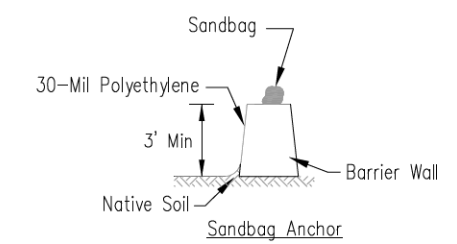
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			CONTRACT NO.	61E53
ILLINOIS FED. AID PROJECT				

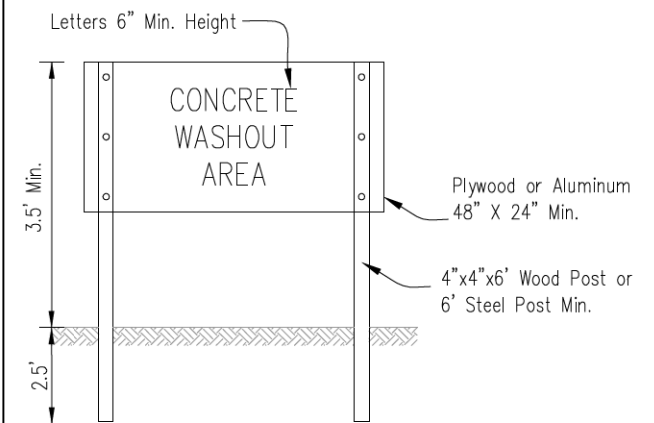
AUTOCAD2006



PLAN VIEW



BARRIER WALL ANCHOR SECTION



SIGN DETAIL

NOTES:

1. Maintaining temporary concrete washout facilities shall include removing and disposing of hardened concrete and/or slurry and returning the facilities to a functional condition.
2. Facility shall be cleaned or reconstructed in a new area once washout becomes two-thirds full.

SHEET NO. 236 OF 1751 SHEETS CONTRACT NO. 06-00329-01-PW	DESIGNED BY DBR/JST DATE 6/08
	DRAWN BY DBR/JST
	CHECKED BY DBB
	APPROVED BY _____

TEMPORARY CONCRETE WASHOUT FACILITY – BARRIER WALL



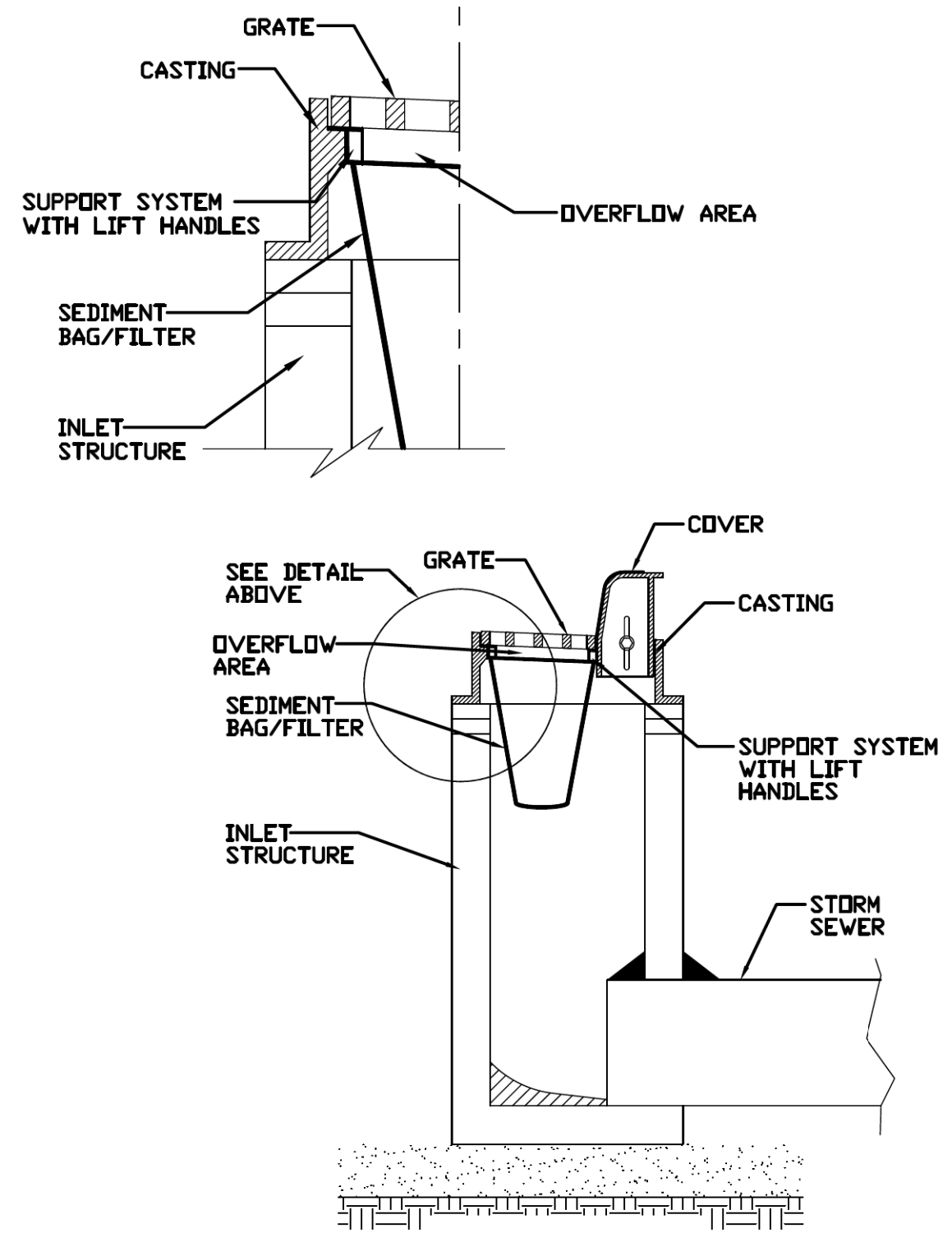
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PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL DETAILS		
SCALE: NONE	SHEET 9	OF 12 SHEETS

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	236
ILLINOIS FED. AID PROJECT			CONTRACT NO.	61E53

INLET PROTECTION - PAVED AREAS DROP-IN PROTECTION



REFERENCE
 Project _____ Date _____
 Designed _____ Date _____
 Checked _____ Date _____
 Approved _____ Date _____



STANDARD DWG. NO.
IUM-561D
 SHEET 1 OF 1
 DATE 01-11-11

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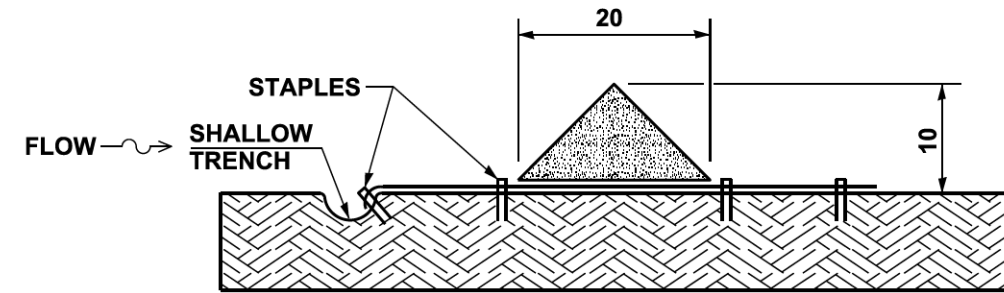
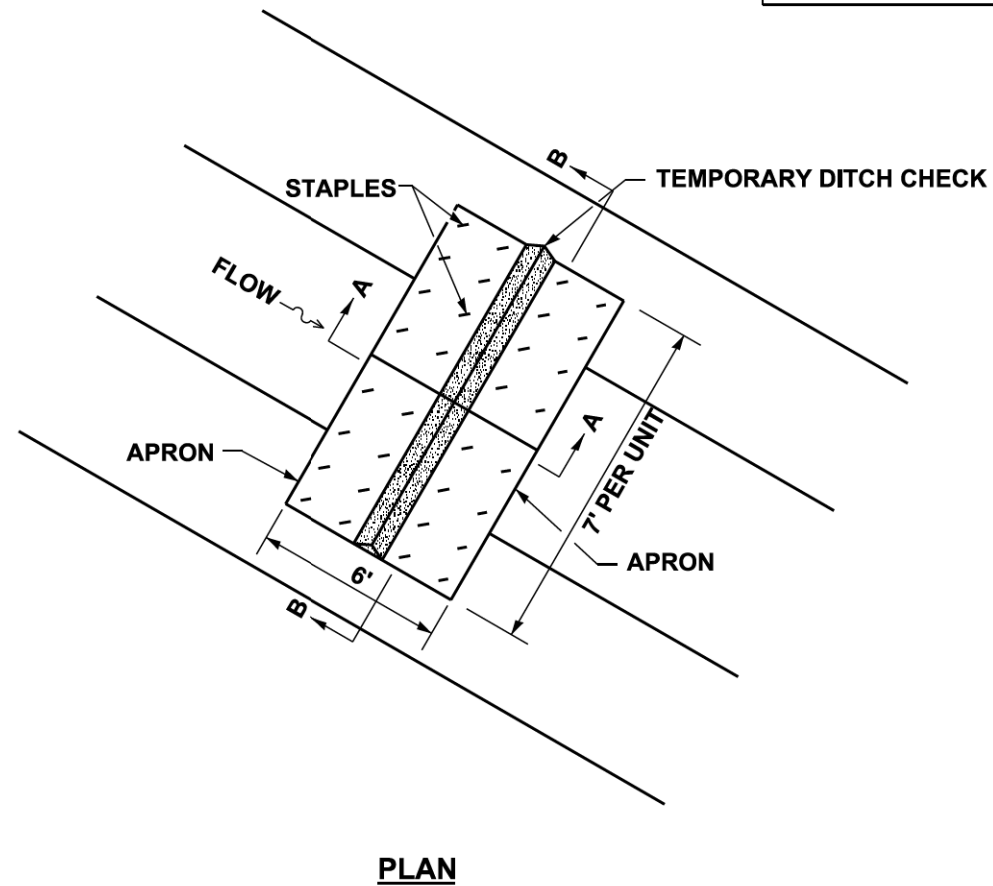
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION AND SEDIMENT CONTROL DETAILS
 DETAILS

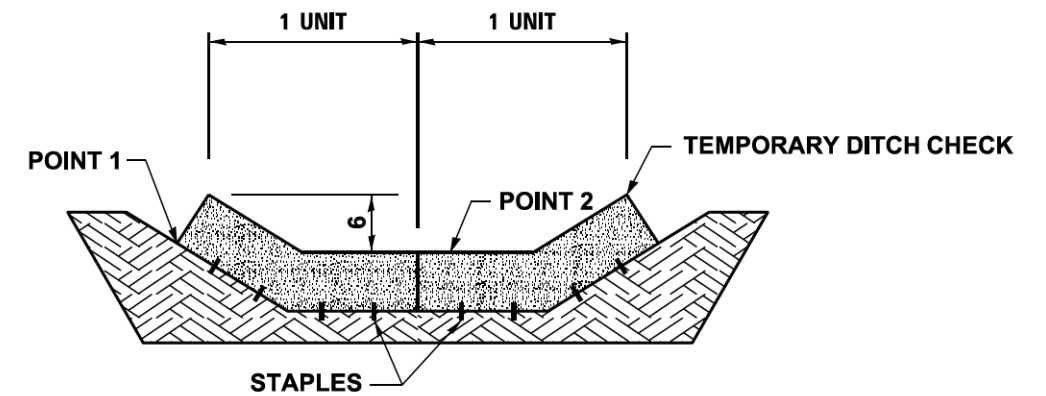
SCALE: NONE SHEET 10 OF 12 SHEETS

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	237
			CONTRACT NO.	61E53
ILLINOIS FED. AID PROJECT				

FOR BARE EARTH APPLICATION ONLY



SECTION A-A



SECTION B-B

NOTES:

THE URETHANE FOAM GEOTEXTILE DITCH CHECKS SHALL BE USED ON BARE EARTH DITCH LINES AND SHALL BE REMOVED PRIOR TO THE INSTALLATION OF SEEDING AND EROSION CONTROL BLANKET.

THE URETHANE FOAM GEOTEXTILE DITCH CHECKS SHALL BE SECURED TO THE SOIL WITH U-SHAPED WIRE STAPLES (11 GAUGE WIRE WITH 6" MINIMUM LENGTH).

EACH URETHANE FOAM GEOTEXTILE UNIT IS 7 FEET IN LENGTH. THE MINIMUM INSTALLATION IN A DITCH SHALL BE TWO UNITS. THE INSTALLATION SHOWN WILL BE MEASURED AND PAID FOR AS TEMPORARY DITCH CHECKS 14 FEET IN LENGTH (2 UNITS).

INSTALLATION SHALL RESULT IN THE CENTER OF THE DITCH CHECK BEING AT LEAST 6" LOWER THAN THE OUTSIDE EDGES.

POINT 1 MUST BE HIGHER THAN POINT 2 TO INSURE THAT WATER FLOWS OVER THE BERM AND NOT AROUND THE ENDS.

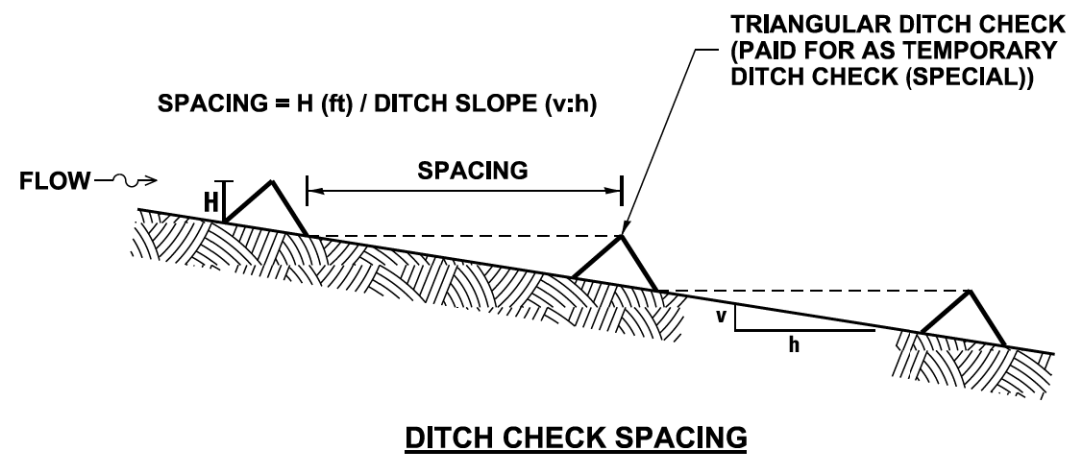
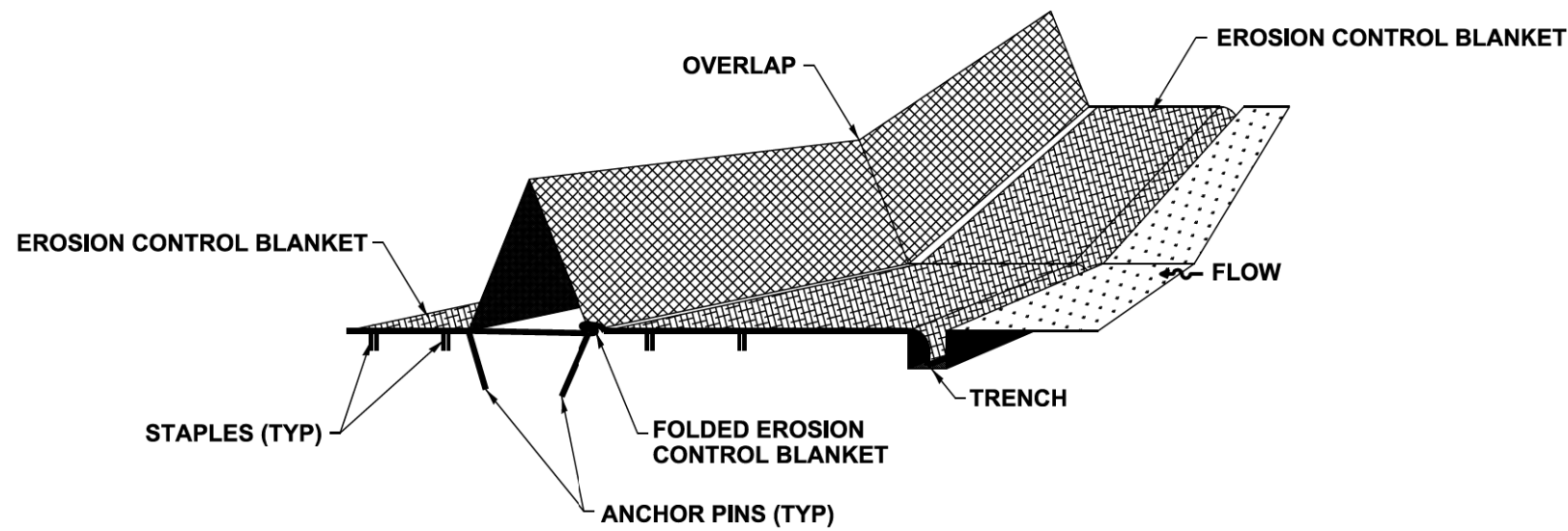
URETHANE FOAM GEOTEXTILE DITCH CHECK

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.

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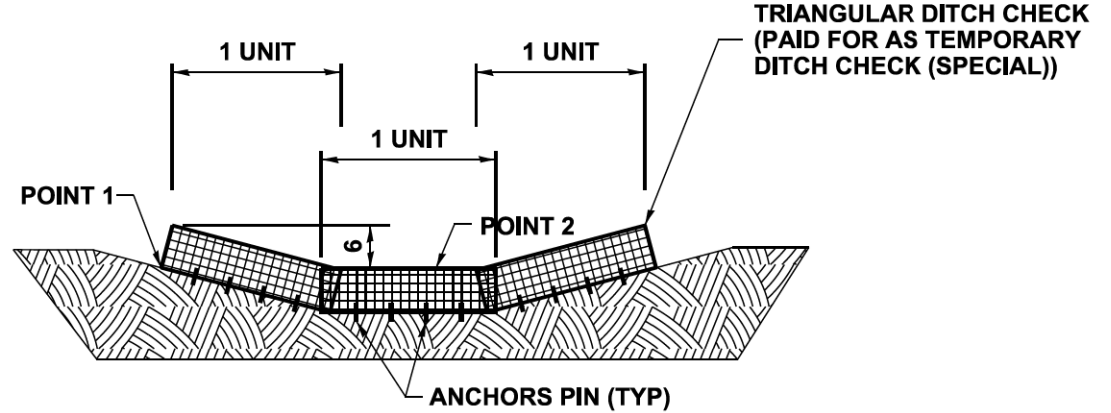
FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	238
			CONTRACT NO.	61E53
ILLINOIS FED. AID PROJECT				

FOR USE WHILE ESTABLISHING FINAL LANDSCAPING



INSTALLATION NOTES:

1. PREPARE THE CHANNEL BY FORMING THE SHAPE AND GRADE OF THE CHANNEL AND COMPACTING THE SUBGRADE.
2. APPLY FERTILIZER AND SEED AS REQUIRED.
3. INSTALL EROSION CONTROL BLANKETS
 - A. FOR FULL CHANNEL LINING, FOLLOW MANUFACTURER'S RECOMMENDED INSTALLATION PROCEDURES. LEAVE A 4" FLAP OF EROSION CONTROL BLANKET TO FOLD OVER THE UPSTREAM LEG OF THE DITCH CHECK.
 - B. ALLOW 4" SLACK ACROSS EROSION CONTROL BLANKET WIDTH FOR FOLDING OVER THE UPSTREAM EDGE OF THE DITCH CHECK BERM. PROVIDE A 6"x6" TRENCH AT THE UPSTREAM EDGE OF THE EROSION CONTROL BLANKET. STAPLE THE EROSION CONTROL BLANKET ONTO THE BOTTOM OF THE TRENCH WITH A MINIMUM 6" STAPLE AT 20" SPACING ON CENTER. RE-COMPACT THE SOIL INTO THE TRENCH.
4. PLACE TRIANGULAR GRID DITCH CHECK PERPENDICULAR TO THE DIRECTION OF FLOW. OVERLAP PANELS BY MINIMUM 2". CUT A SLOT IN THE CREST OF THE OVERLAPPING BERM TO ALLOW CONTACT BETWEEN THE FOOT OF THE BERM AND THE SOIL.
5. SECURE BERMS WITH 10" ANCHOR PINS AND 1.5" WASHERS THROUGH THE FOLDED EROSION CONTROL BLANKET AND THE FOOT OF THE UNIT. THE ANCHOR PIN SPACING ACROSS THE WIDTH OF THE PANEL SHOULD BE 20" ON CENTER FOR THE UPSTREAM LEG AND 40" ON CENTER FOR THE DOWNSTREAM LEG.



MAINTENANCE NOTES:

1. THE CONTRACTOR SHALL INSPECT ALL TEMPORARY DITCH CHECKS AFTER EACH RAIN EVENT OF 1/2 INCH OR GREATER. ANY DEFICIENCIES OR DAMAGE SHALL BE REPAIRED BY THE CONTRACTOR.
2. ACCUMULATED SEDIMENT OR DEBRIS SHALL BE REMOVED AND RELOCATED AS DIRECTED BY THE ENGINEER. IF THE TEMPORARY DITCH CHECK IS DAMAGED OR INADVERTENTLY MOVED DURING THE SEDIMENT REMOVAL PROCESS, THE CONTRACTOR SHALL RE-ESTABLISH CONTINUITY.

DITCH CROSS-SECTION

NOTES:

THE TRIANGULAR GRID DITCH CHECK SHALL REPLACE THE TEMPORARY DITCH CHECK AFTER THE INSTALLATION OF SEEDING AND EROSION CONTROL BLANKET.

EACH TRIANGULAR GRID UNIT IS 3.3 FEET IN LENGTH. THE MINIMUM INSTALLATION IN A DITCH SHALL BE TWO UNITS. THE INSTALLATION SHOWN WILL BE MEASURED AND PAID FOR AS TEMPORARY DITCH CHECKS (SPECIAL) 9.9 FEET IN LENGTH (3 UNITS).

POINT 1 MUST BE HIGHER THAN POINT 2 TO INSURE THAT WATER FLOWS THROUGH OVER THE BERM AND NOT AROUND THE ENDS.

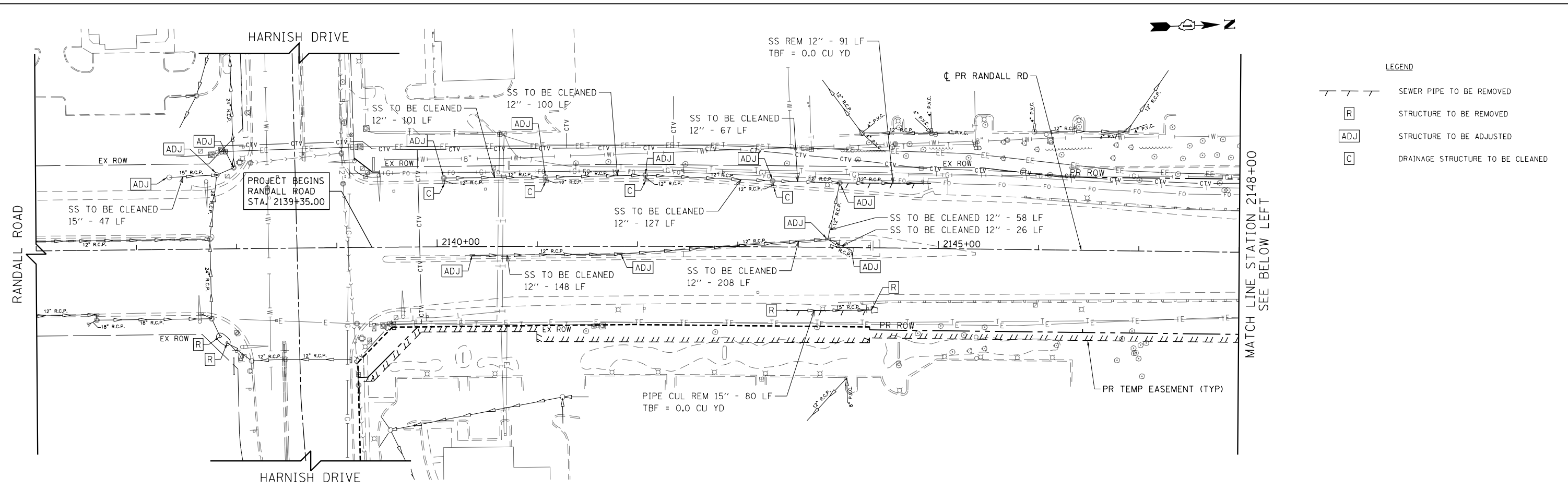
INSTALLATION SHALL RESULT IN THE CENTER OF THE DITCH CHECK BEING AT LEAST 6" LOWER THAN THE OUTSIDE EDGES.

TRIANGULAR GRID DITCH CHECK

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.

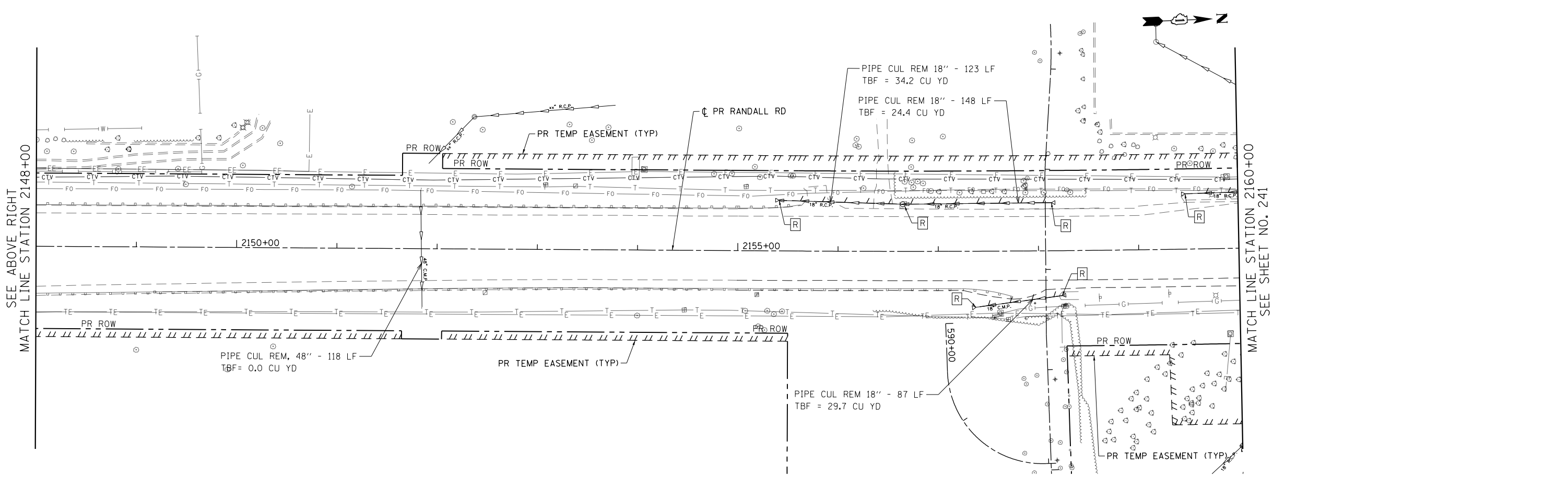
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FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	239
			CONTRACT NO.	61E53
ILLINOIS FED. AID PROJECT				



LEGEND

	SEWER PIPE TO BE REMOVED
	STRUCTURE TO BE REMOVED
	STRUCTURE TO BE ADJUSTED
	DRAINAGE STRUCTURE TO BE CLEANED



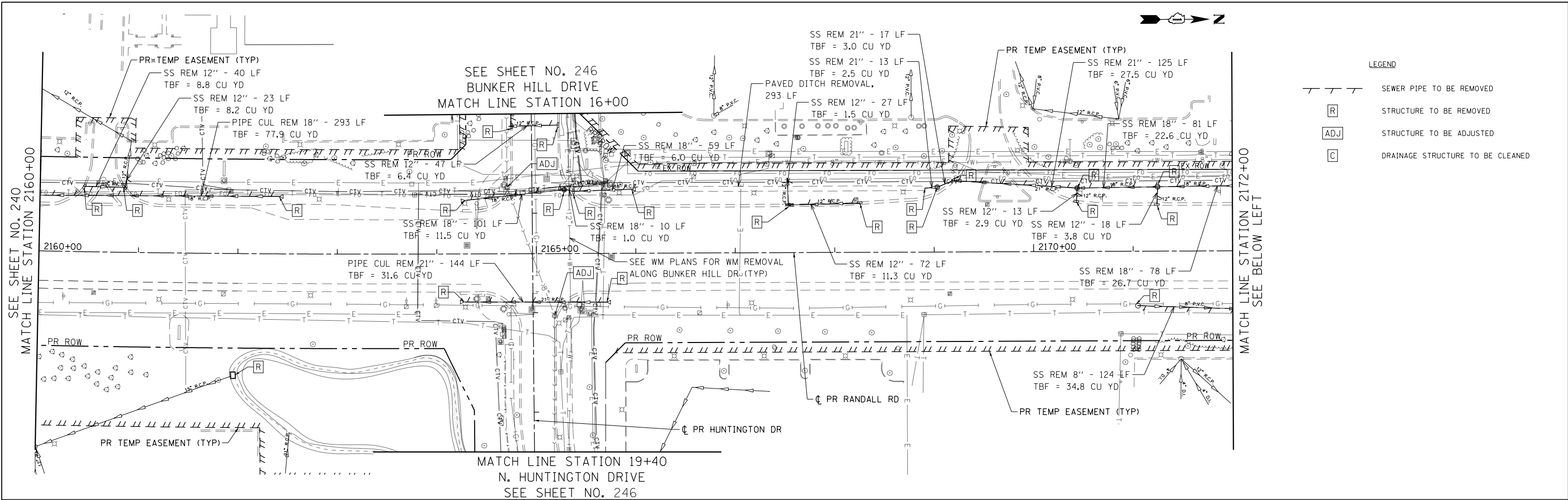
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RANDALL ROAD DRAINAGE REMOVAL PLAN

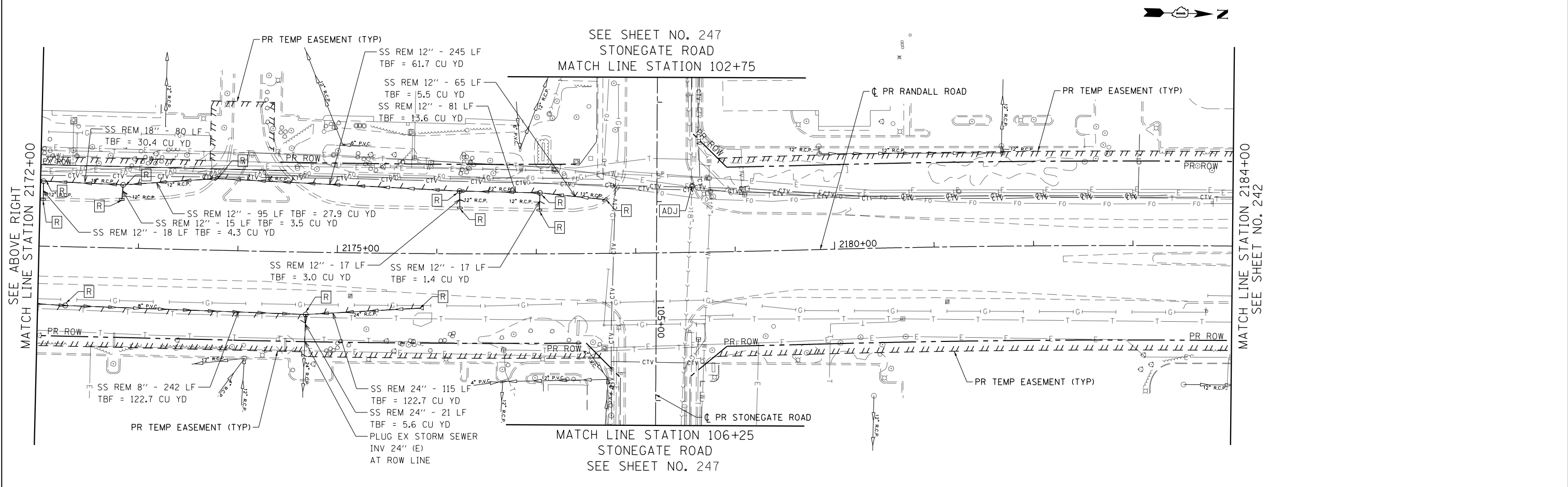
SCALE: 1" = 50' SHEET 1 OF 11 SHEETS STA 2144+06.63 TO STA 2160+00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	240
CONTRACT NO.			61E53	
ILLINOIS FED. AID PROJECT				



LEGEND

	SEWER PIPE TO BE REMOVED
	STRUCTURE TO BE REMOVED
	STRUCTURE TO BE ADJUSTED
	DRAINAGE STRUCTURE TO BE CLEANED



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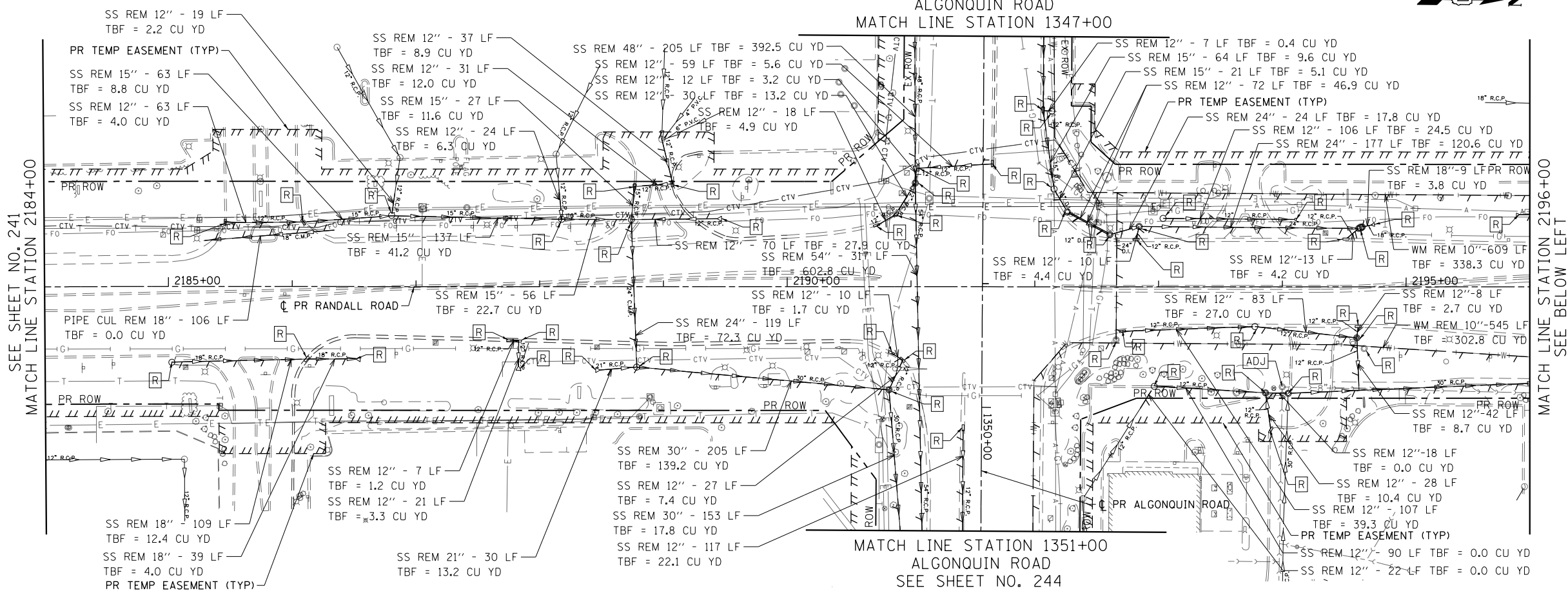
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RANDALL ROAD DRAINAGE REMOVAL PLAN

SCALE: 1" = 50' SHEET 2 OF 11 SHEETS STA 2160+00 TO STA 2184+00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	241
CONTRACT NO.			61E53	
ILLINOIS FED. AID PROJECT				

SEE SHEET NO. 244
ALGONQUIN ROAD
MATCH LINE STATION 1347+00



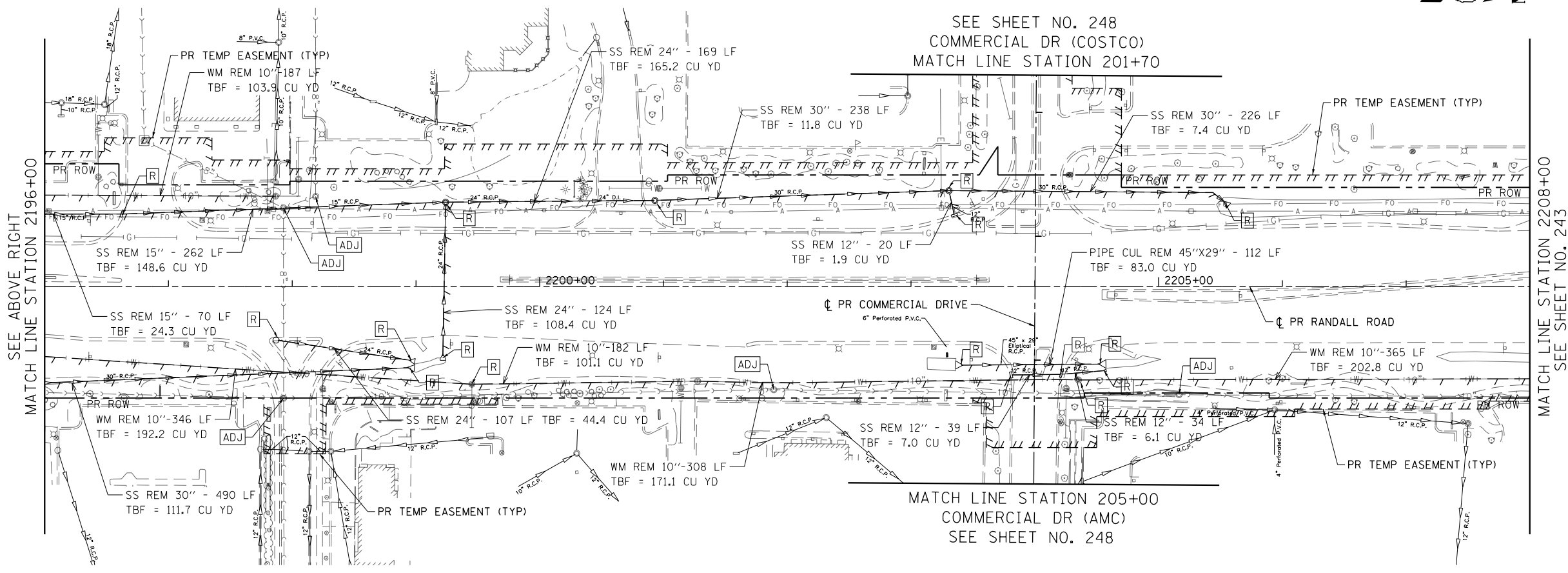
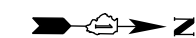
- LEGEND
- SEWER PIPE TO BE REMOVED
 - STRUCTURE TO BE REMOVED
 - STRUCTURE TO BE ADJUSTED
 - DRAINAGE STRUCTURE TO BE CLEANED

SEE SHEET NO. 241
MATCH LINE STATION 2184+00

MATCH LINE STATION 2196+00
SEE BELOW LEFT

MATCH LINE STATION 1351+00
ALGONQUIN ROAD
SEE SHEET NO. 244

SEE SHEET NO. 248
COMMERCIAL DR (COSTCO)
MATCH LINE STATION 201+70



SEE ABOVE RIGHT
MATCH LINE STATION 2196+00

MATCH LINE STATION 2208+00
SEE SHEET NO. 243

MATCH LINE STATION 205+00
COMMERCIAL DR (AMC)
SEE SHEET NO. 248



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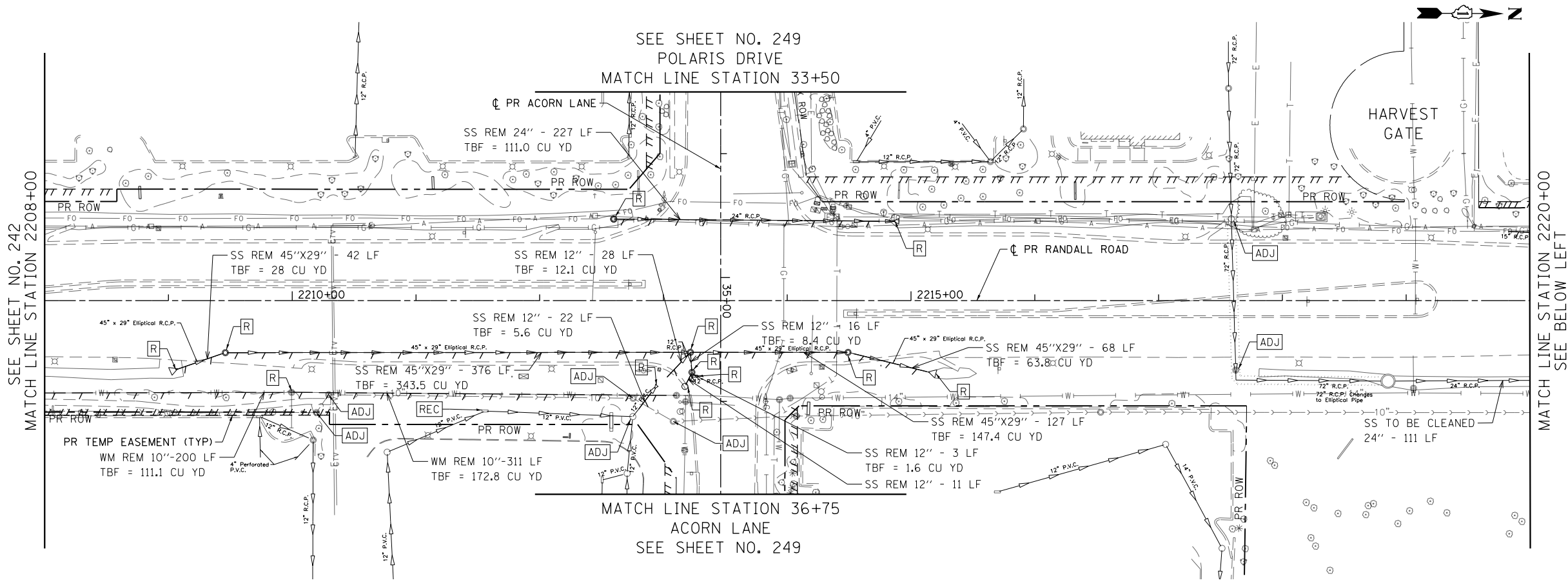
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RANDALL ROAD DRAINAGE REMOVAL PLAN

SCALE: 1" = 50' SHEET 3 OF 11 SHEETS STA 2184+00 TO STA 2208+00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	242
CONTRACT NO.			61E53	
ILLINOIS FED. AID PROJECT				

SEE SHEET NO. 249
POLARIS DRIVE
MATCH LINE STATION 33+50



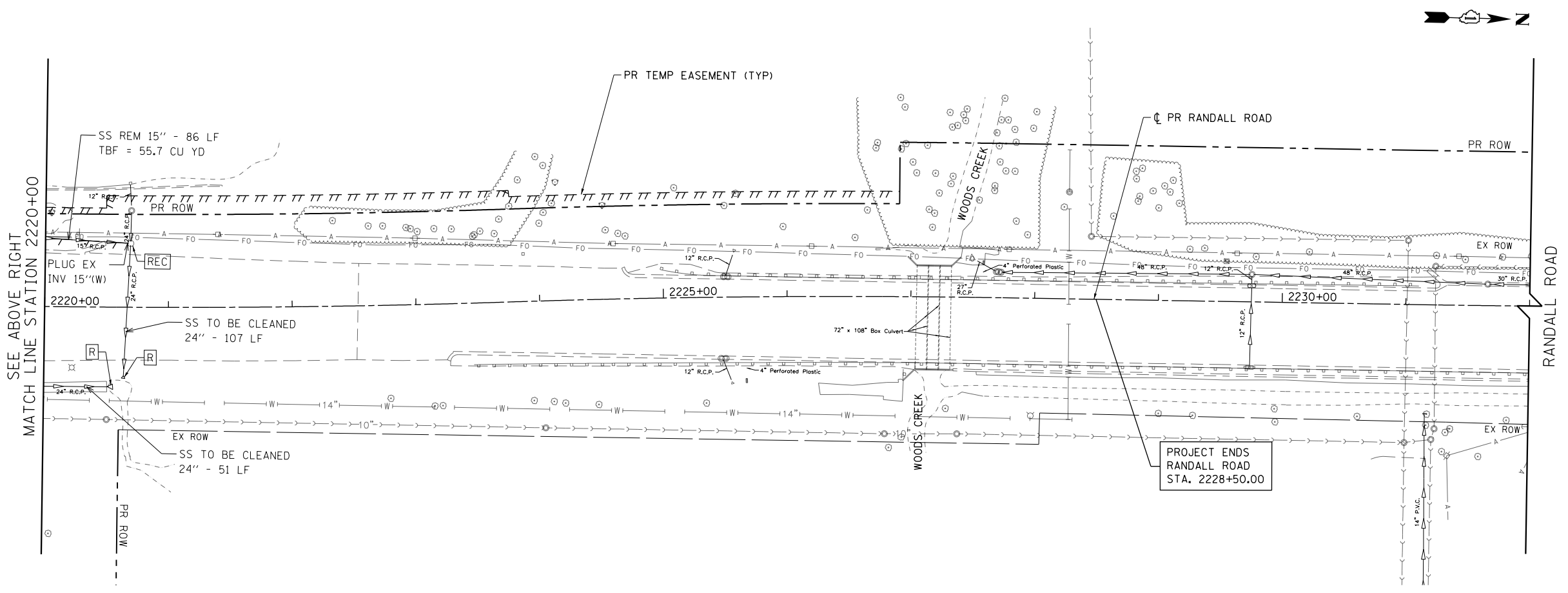
LEGEND

	SEWER PIPE TO BE REMOVED
	STRUCTURE TO BE REMOVED
	STRUCTURE TO BE ADJUSTED
	DRAINAGE STRUCTURE TO BE CLEANED

SEE SHEET NO. 242
MATCH LINE STATION 2208+00

MATCH LINE STATION 2220+00
SEE BELOW LEFT

MATCH LINE STATION 36+75
ACORN LANE
SEE SHEET NO. 249



SEE ABOVE RIGHT
MATCH LINE STATION 2220+00

RANDALL ROAD

PROJECT ENDS
RANDALL ROAD
STA. 2228+50.00



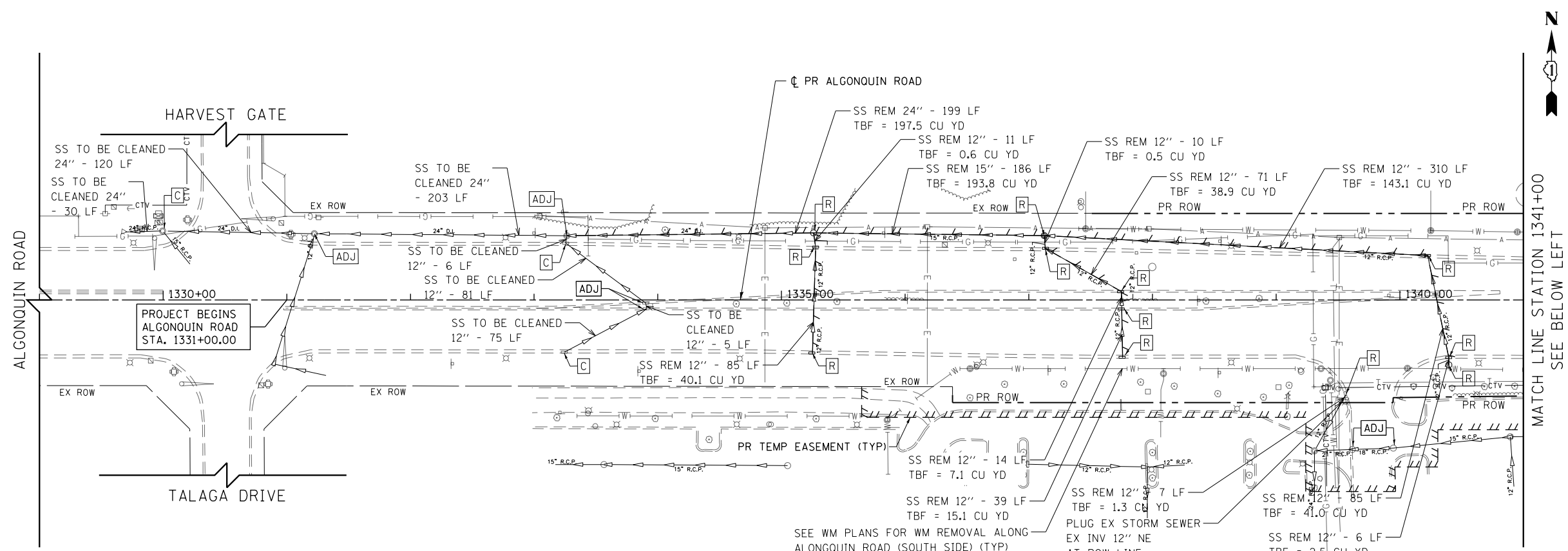
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RANDALL ROAD DRAINAGE REMOVAL PLAN

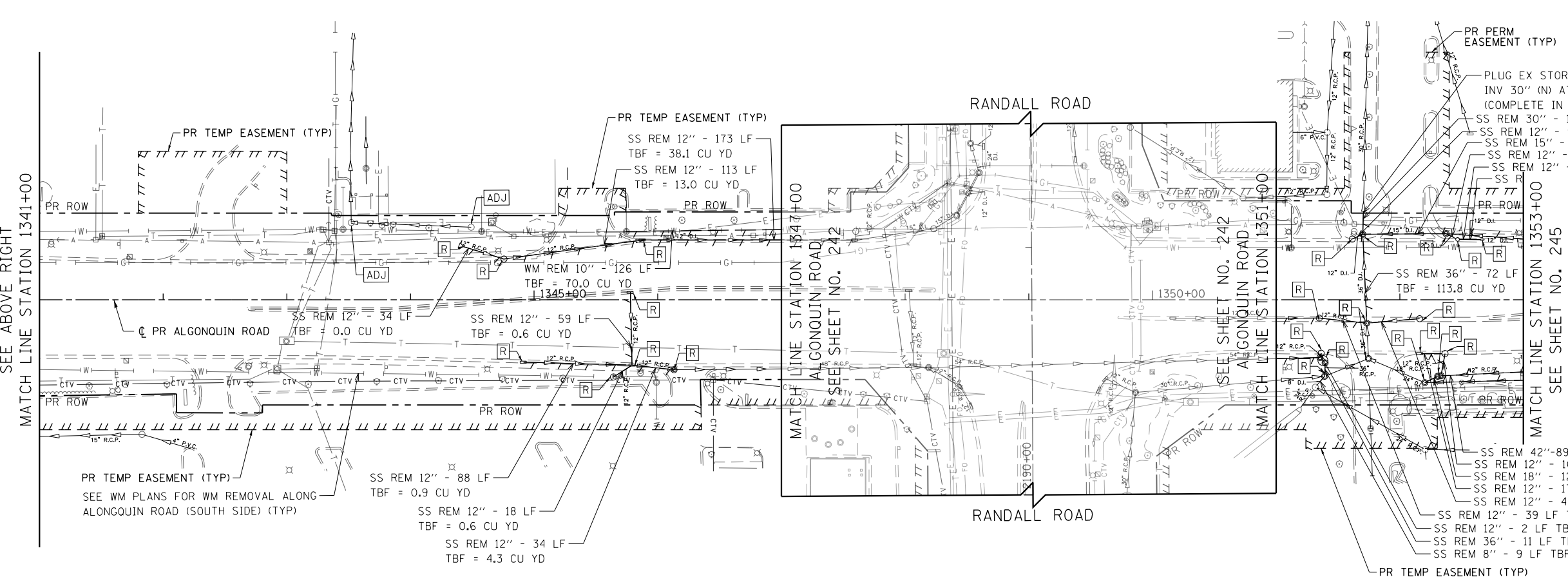
SCALE: 1" = 50' SHEET 4 OF 11 SHEETS STA 2208+00 TO STA 2232+00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	243
			CONTRACT NO.	61E53
ILLINOIS FED. AID PROJECT				



LEGEND

	SEWER PIPE TO BE REMOVED
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	STRUCTURE TO BE ADJUSTED
	DRAINAGE STRUCTURE TO BE CLEANED



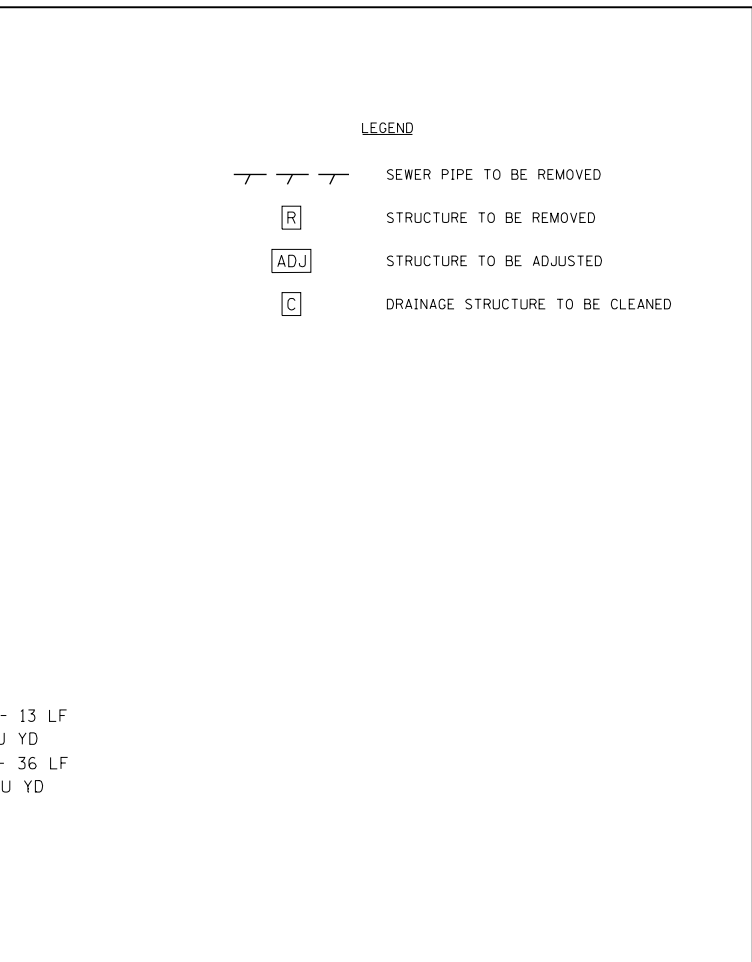
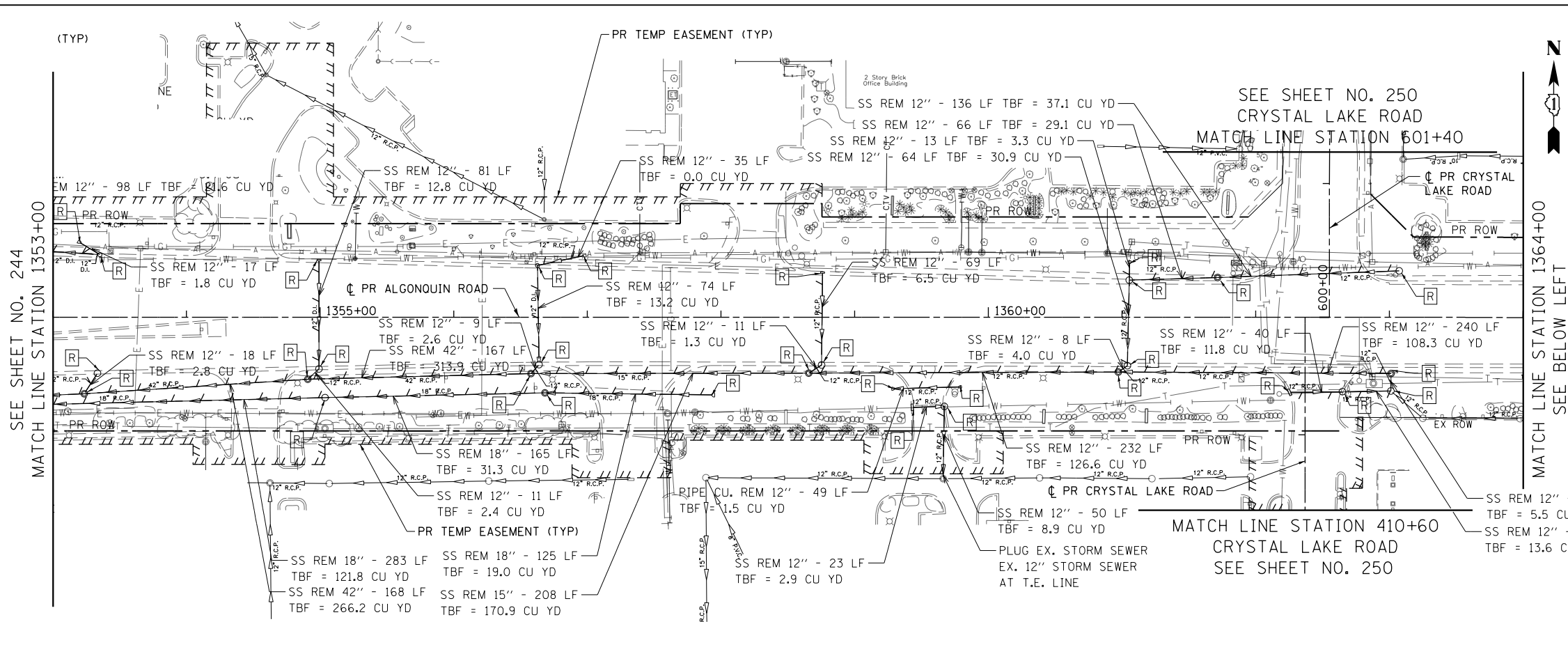
Bollinger, Lach & Associates, Inc.
ITASC, ILLINOIS

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

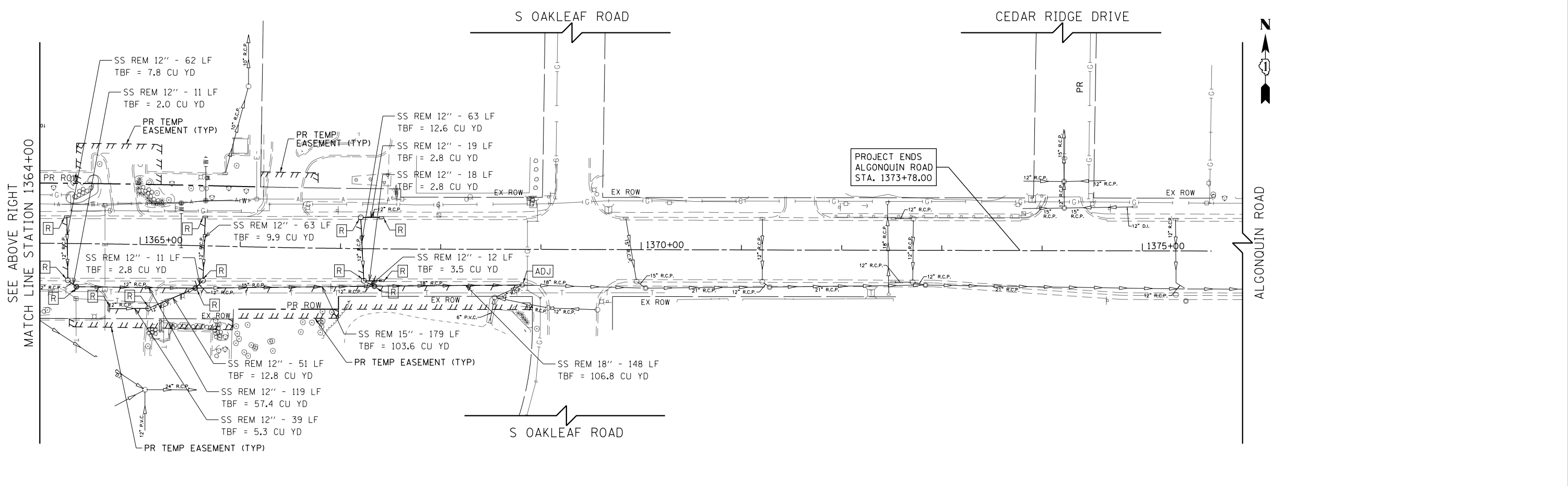
ALGONQUIN ROAD DRAINAGE REMOVAL PLAN
SCALE: 1" = 50' SHEET 5 OF 11 SHEETS STA 1329+00 TO STA 1353+00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	244
CONTRACT NO.			61E53	
ILLINOIS FED. AID PROJECT				



LEGEND

	SEWER PIPE TO BE REMOVED
	STRUCTURE TO BE REMOVED
	STRUCTURE TO BE ADJUSTED
	DRAINAGE STRUCTURE TO BE CLEANED

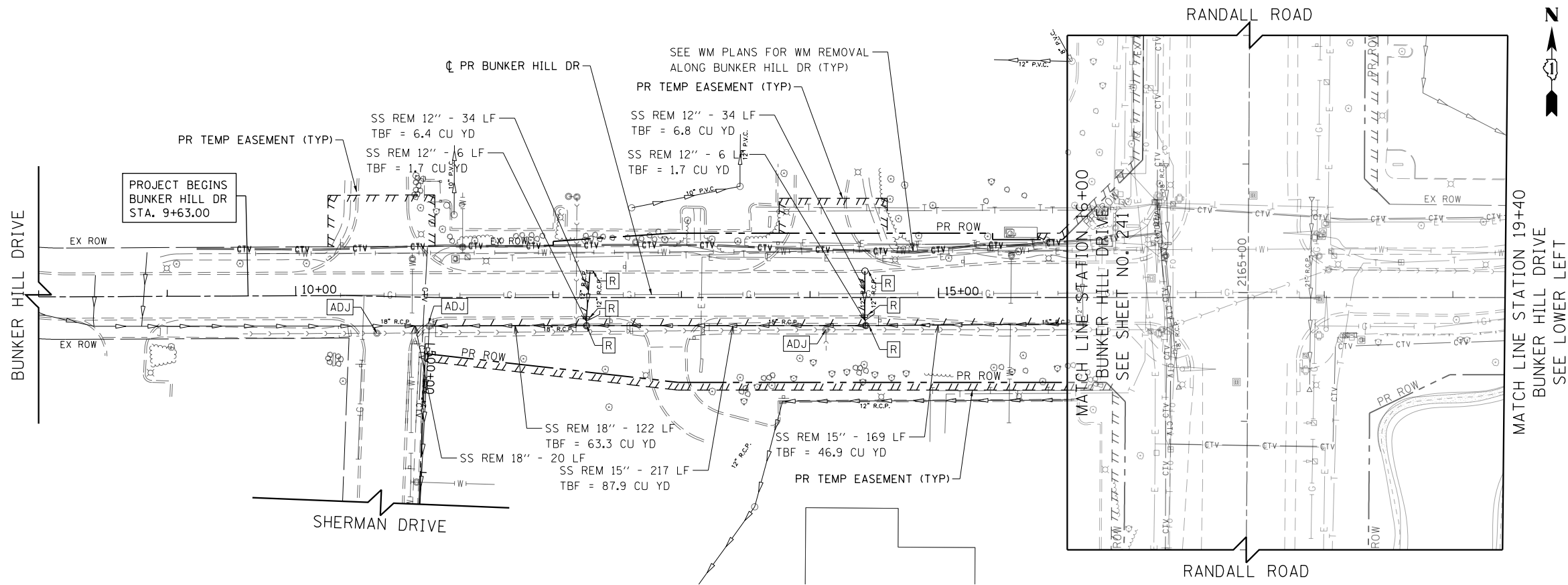


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PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

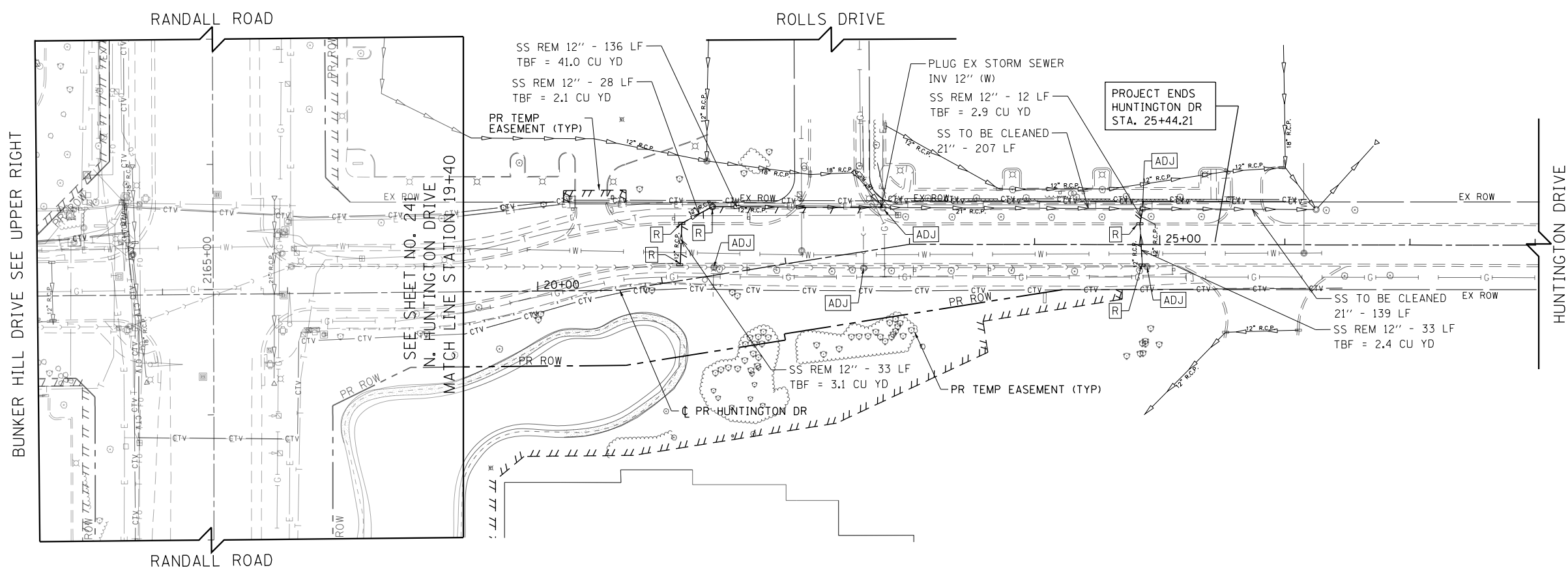
ALGONQUIN ROAD DRAINAGE REMOVAL PLAN
SCALE: 1" = 50' SHEET 6 OF 11 SHEETS STA 1353+00 TO STA 1376+00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	245
			CONTRACT NO.	61E53
ILLINOIS FED. AID PROJECT				



LEGEND

	SEWER PIPE TO BE REMOVED
	STRUCTURE TO BE REMOVED
	STRUCTURE TO BE ADJUSTED
	DRAINAGE STRUCTURE TO BE CLEANED



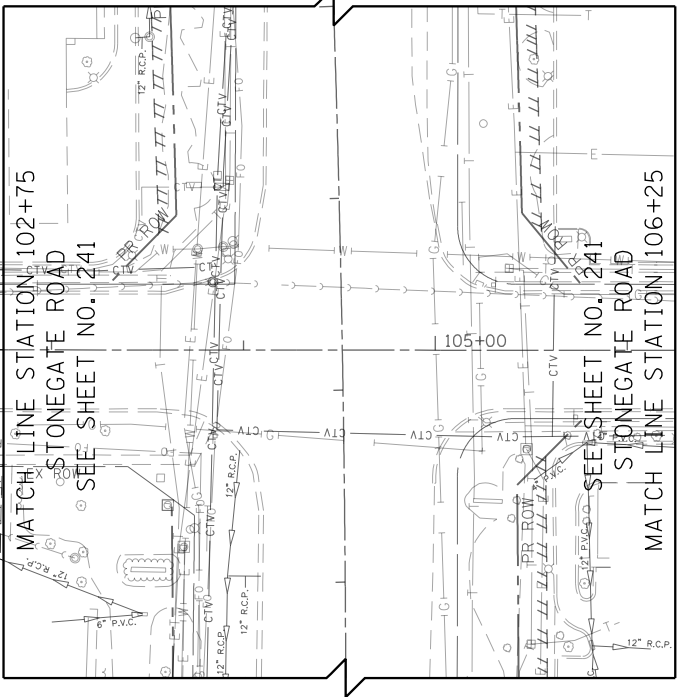
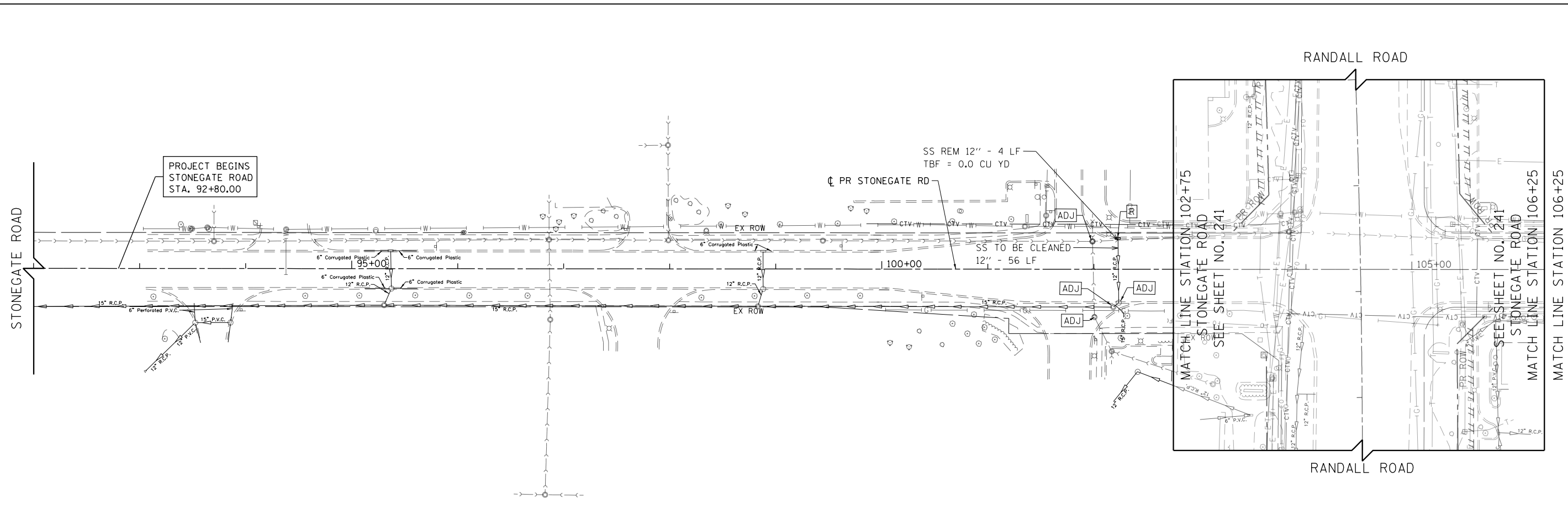
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PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

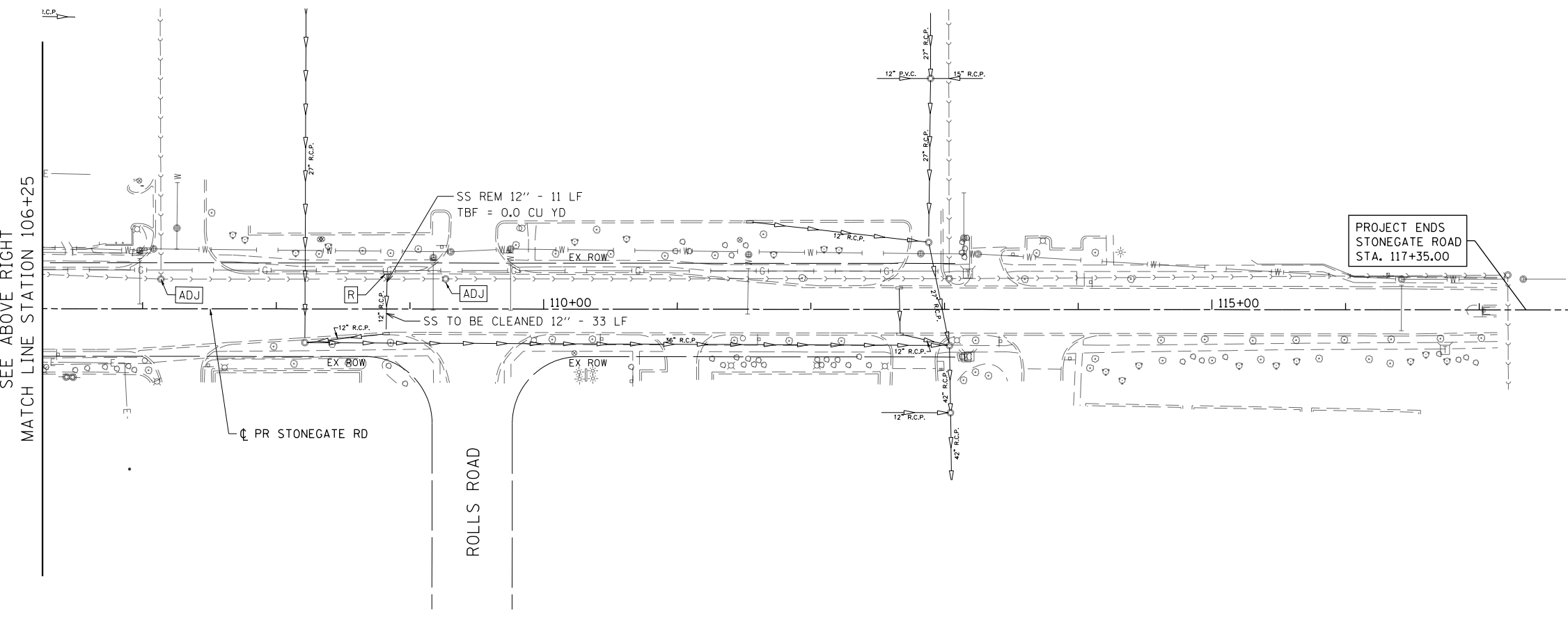
BUNKER HILL DRIVE /HUNTINGTON DRIVE DRAINAGE REMOVAL PLAN

SCALE: 1" = 50' SHEET 7 OF 11 SHEETS STA 8+00 TO STA 29+00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	246
			CONTRACT NO.	61E53
ILLINOIS FED. AID PROJECT				



MATCH LINE STATION 106+25
SEE BELOW LEFT



SEE ABOVE RIGHT
MATCH LINE STATION 106+25

LEGEND

	SEWER PIPE TO BE REMOVED
	STRUCTURE TO BE REMOVED
	STRUCTURE TO BE ADJUSTED
	DRAINAGE STRUCTURE TO BE CLEANED



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& Associates, Inc.
IT/ASCA, ILLINOIS

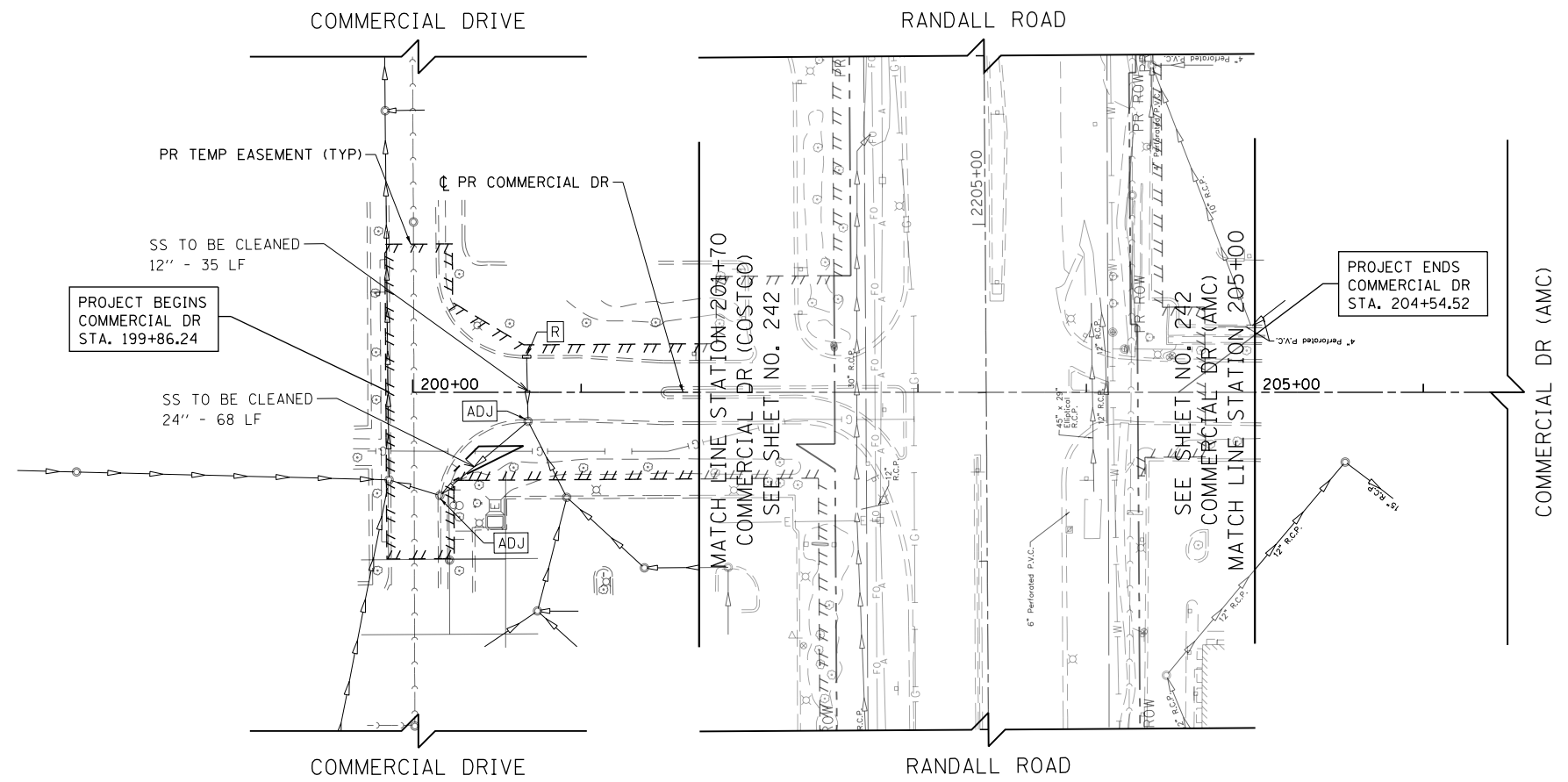
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PLOT SCALE = 100.0000' / in.	CHECKED - DBB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**





STONEGATE ROAD DRAINAGE REMOVAL PLAN

SCALE: 1" = 50' SHEET 8 OF 11 SHEETS STA 100+00 TO STA 109+00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	247
CONTRACT NO.			61E53	
ILLINOIS FED. AID PROJECT				



LEGEND

	SEWER PIPE TO BE REMOVED
	STRUCTURE TO BE REMOVED
	STRUCTURE TO BE ADJUSTED
	DRAINAGE STRUCTURE TO BE CLEANED

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 ITASCA, ILLINOIS

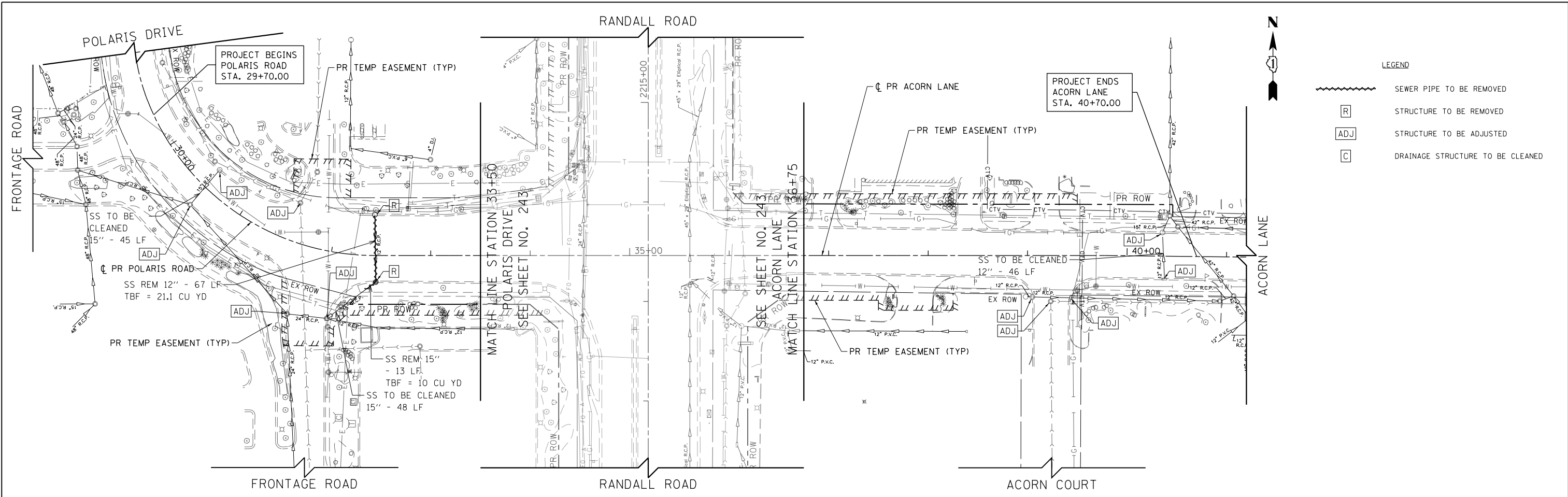
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PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

COMMERCIAL DRIVE DRAINAGE REMOVAL PLAN

SCALE: 1" = 50' SHEET 9 OF 11 SHEETS STA 200+00 TO STA 206+50

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	248
CONTRACT NO.			61E53	
ILLINOIS FED. AID PROJECT				



LEGEND

	SEWER PIPE TO BE REMOVED
	STRUCTURE TO BE REMOVED
	STRUCTURE TO BE ADJUSTED
	DRAINAGE STRUCTURE TO BE CLEANED



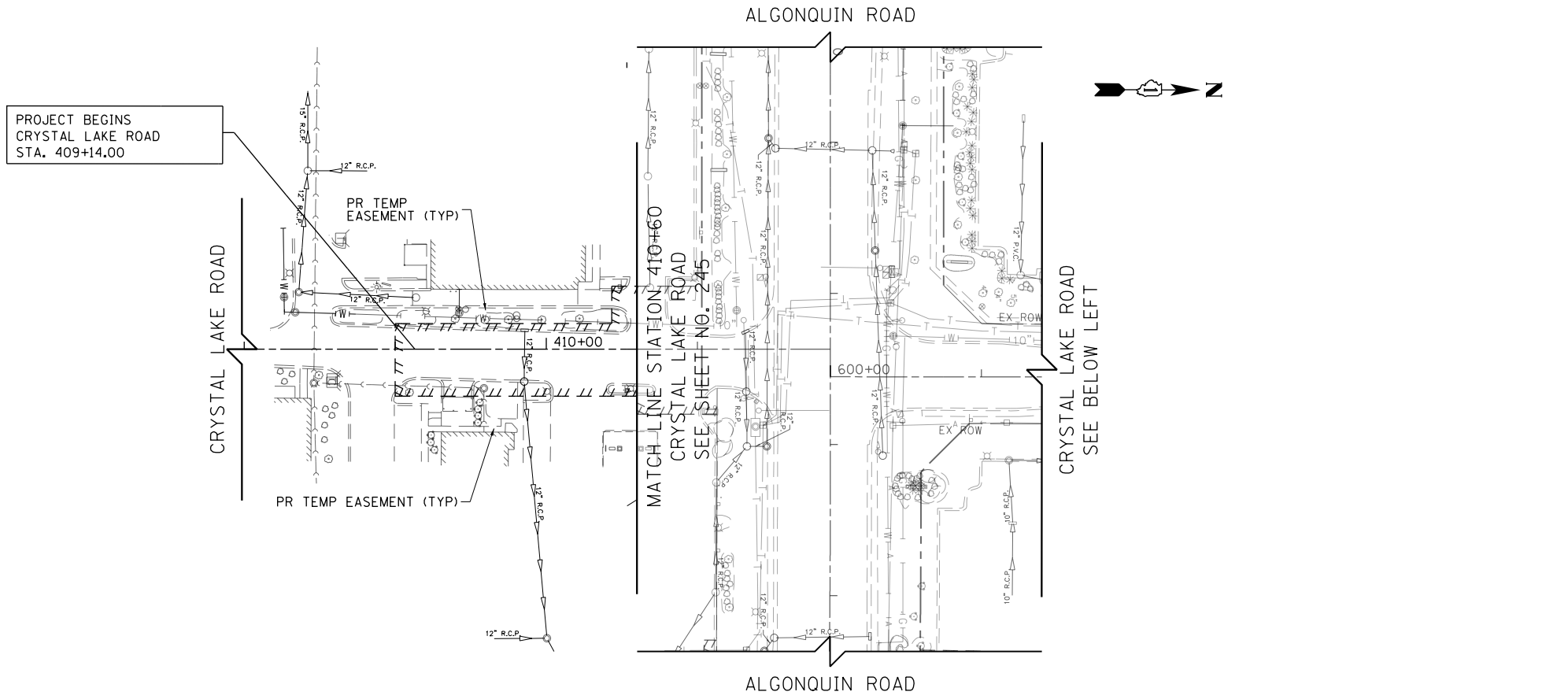
Bollinger, Lach & Associates, Inc.
ITASC, ILLINOIS

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PLOT SCALE = 100.0000' / in.	CHECKED - DBB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

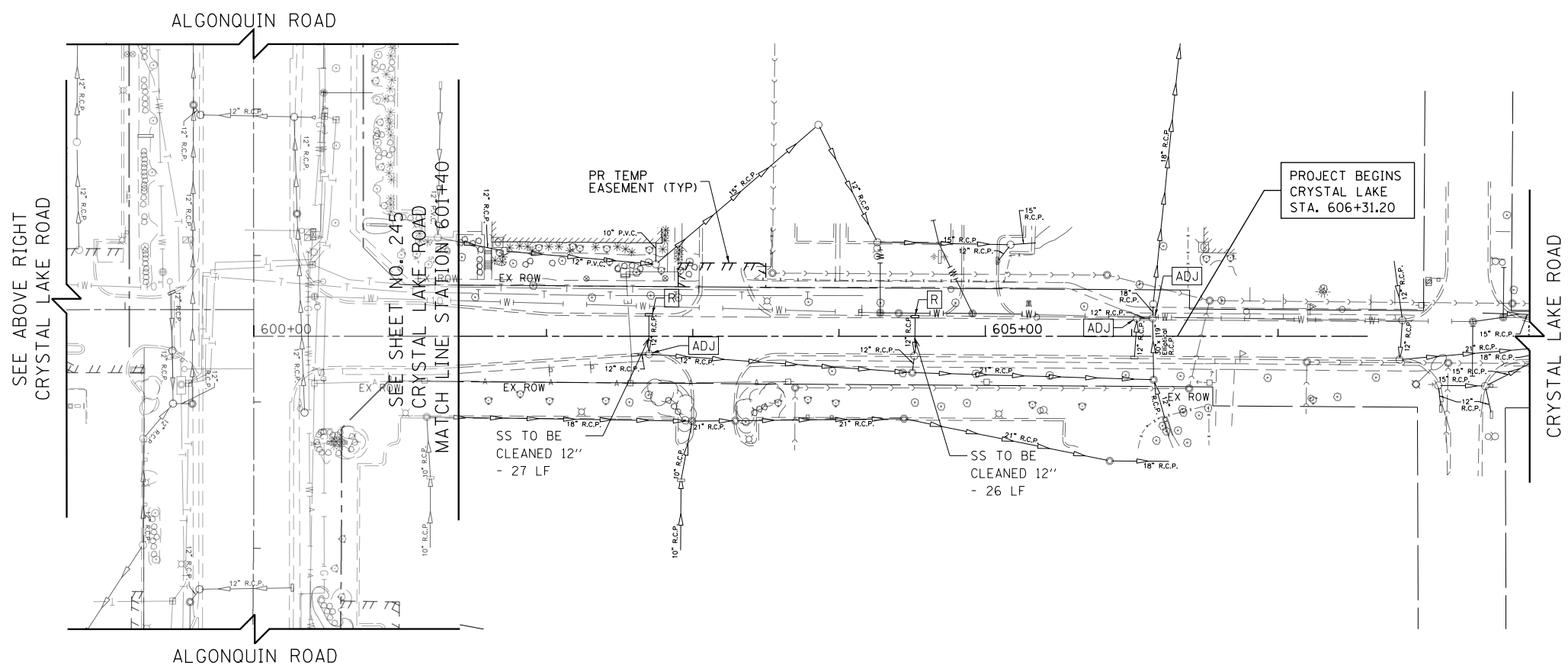
POLARIS DRIVE /ACORN LANE DRAINAGE REMOVAL PLAN
SCALE: 1" = 50' SHEET 10 OF 11 SHEETS STA 28+00 TO STA 41+00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	249
			CONTRACT NO. 61E53	
ILLINOIS FED. AID PROJECT				



LEGEND

	SEWER PIPE TO BE REMOVED
	STRUCTURE TO BE REMOVED
	STRUCTURE TO BE ADJUSTED
	DRAINAGE STRUCTURE TO BE CLEANED



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PLOT SCALE = 100.0000' / in.	CHECKED - DBB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CRYSTAL LAKE ROAD
DRAINAGE REMOVAL PLAN**

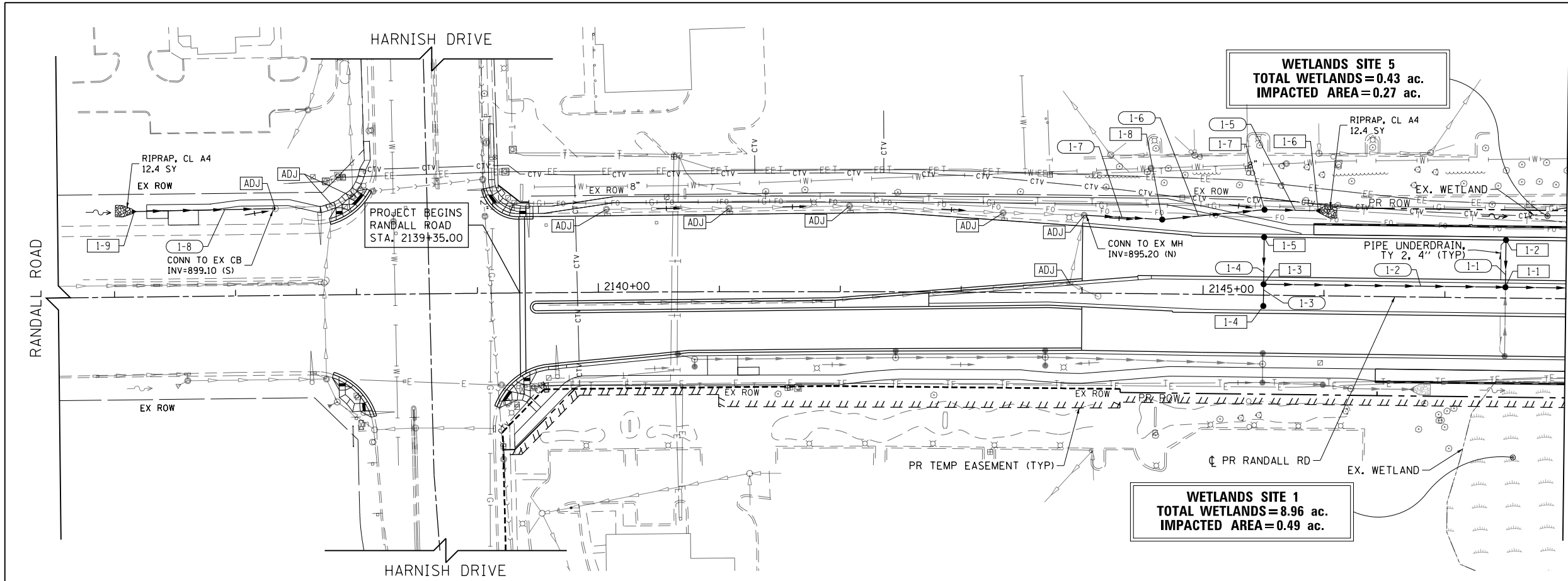
SCALE: 1" = 50' SHEET 11 OF 11 SHEETS STA 408+00 TO STA 607+50

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	250
CONTRACT NO.			61E53	

ILLINOIS FED. AID PROJECT

PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	ALLOWED	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	GRADES	
	STRUCTURE	
	NOTATIONS	
	CHFD	
	NO.	

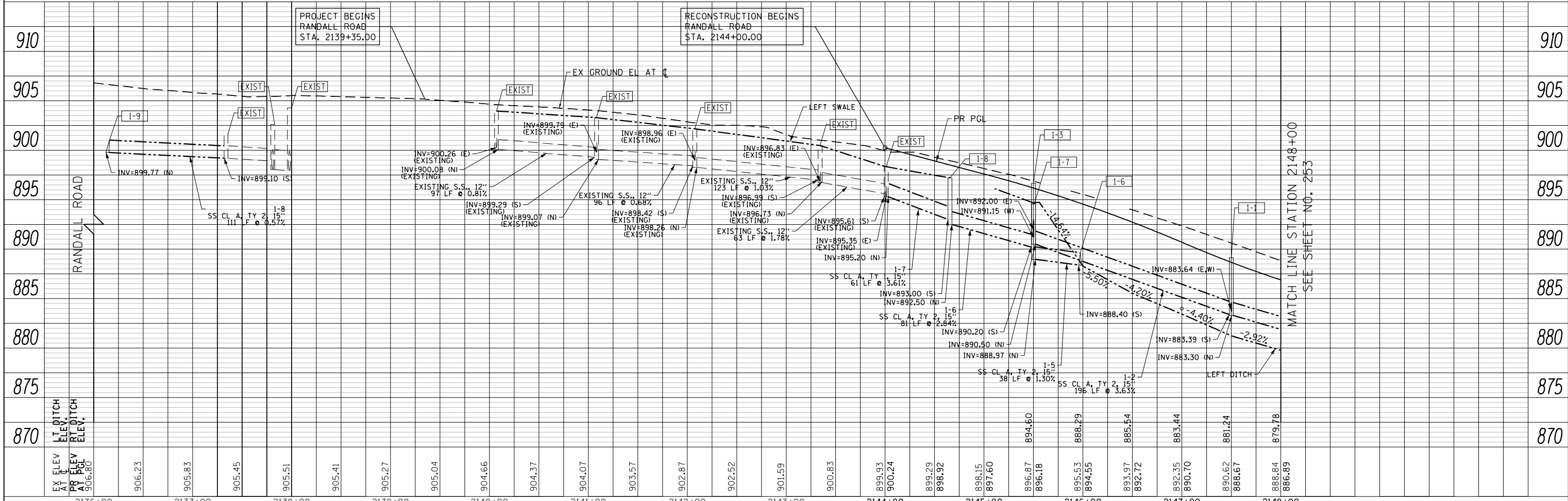


WETLANDS SITE 5
TOTAL WETLANDS=0.43 ac.
IMPACTED AREA=0.27 ac.

WETLANDS SITE 1
TOTAL WETLANDS=8.96 ac.
IMPACTED AREA=0.49 ac.

LEGEND

- PROPOSED PIPE
- PROPOSED STRUCTURE
- STRUCTURE TO BE ADJUSTED
- STRUCTURE TO BE RECONSTRUCTED
- STRUCTURE IDENTIFIED ON OTHER CORRESPONDING SHEET
- PIPE IDENTIFIED ON OTHER CORRESPONDING SHEET



USER NAME = mrc155	DESIGNED - JLT	REVISED -
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PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

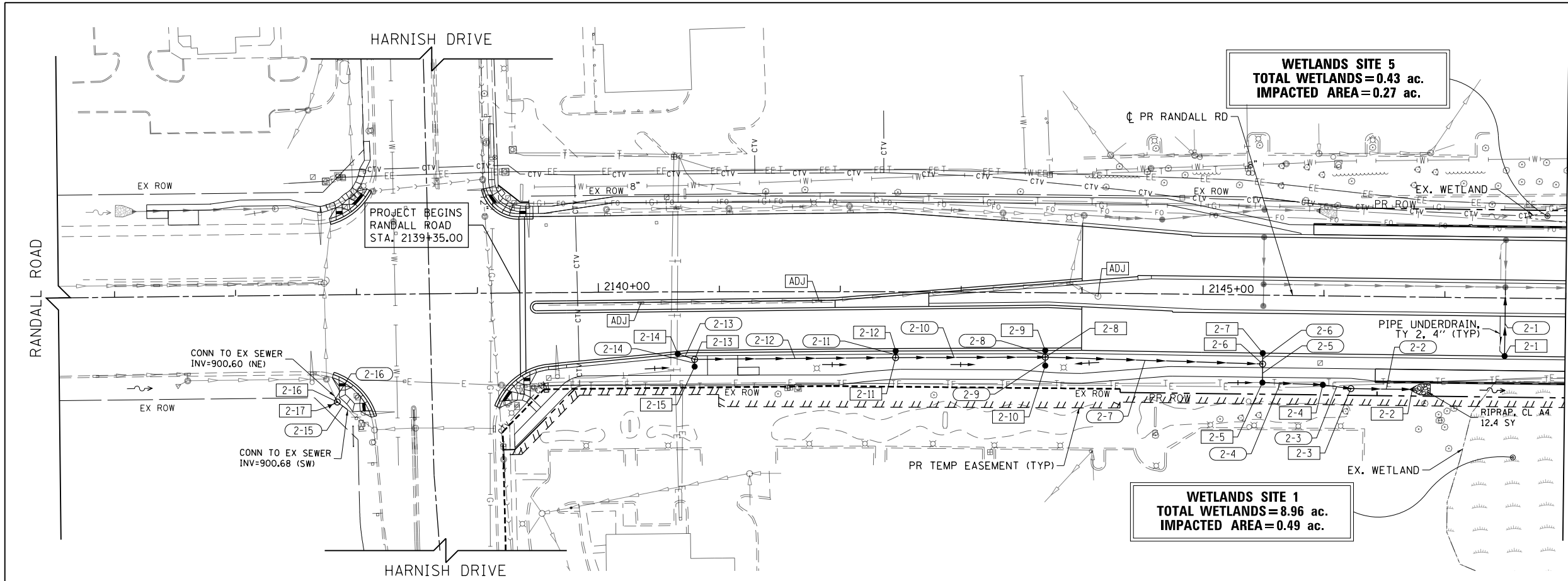
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RANDALL ROAD DRAINAGE PLAN AND PROFILE - LEFT SIDE
SCALE: 1"=50' HORIZ
1"=5' VERT SHEET 1 OF 50 SHEETS STA 2136+00 TO STA 2148+00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	251
CONTRACT NO.			61E53	
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	ALLOWED		
	FILE NAME		
	NO.		

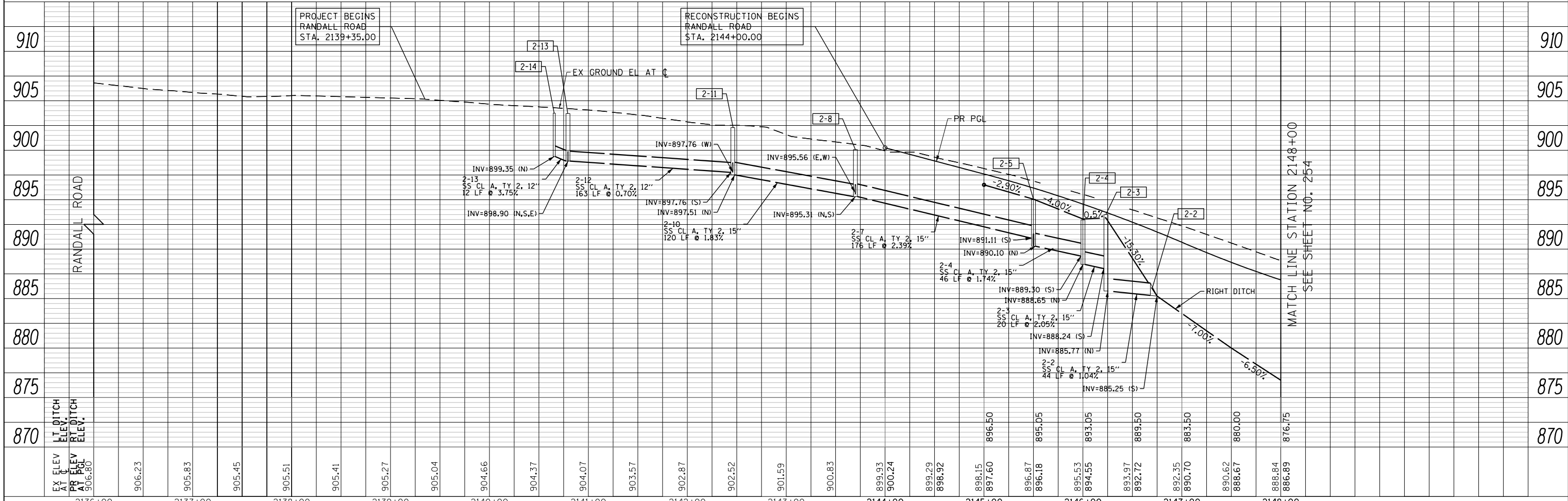
PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	STRUCTURE		
	NOTATIS		
	CHKO		
	NO.		



MATCH LINE STATION 2148+00
SEE SHEET NO. 254

LEGEND

- [-B] PROPOSED PIPE
- [--B] PROPOSED STRUCTURE
- [ADJ] STRUCTURE TO BE ADJUSTED
- [REC] STRUCTURE TO BE RECONSTRUCTED
- STRUCTURE IDENTIFIED ON OTHER CORRESPONDING SHEET
- PIPE IDENTIFIED ON OTHER CORRESPONDING SHEET



MATCH LINE STATION 2148+00
SEE SHEET NO. 254

USER NAME = mrc155	DESIGNED - JLT	REVISED -
FILENAME = D:\NNNN-sht-Drain-02.dgn	DRAWN - JLT	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - DBB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

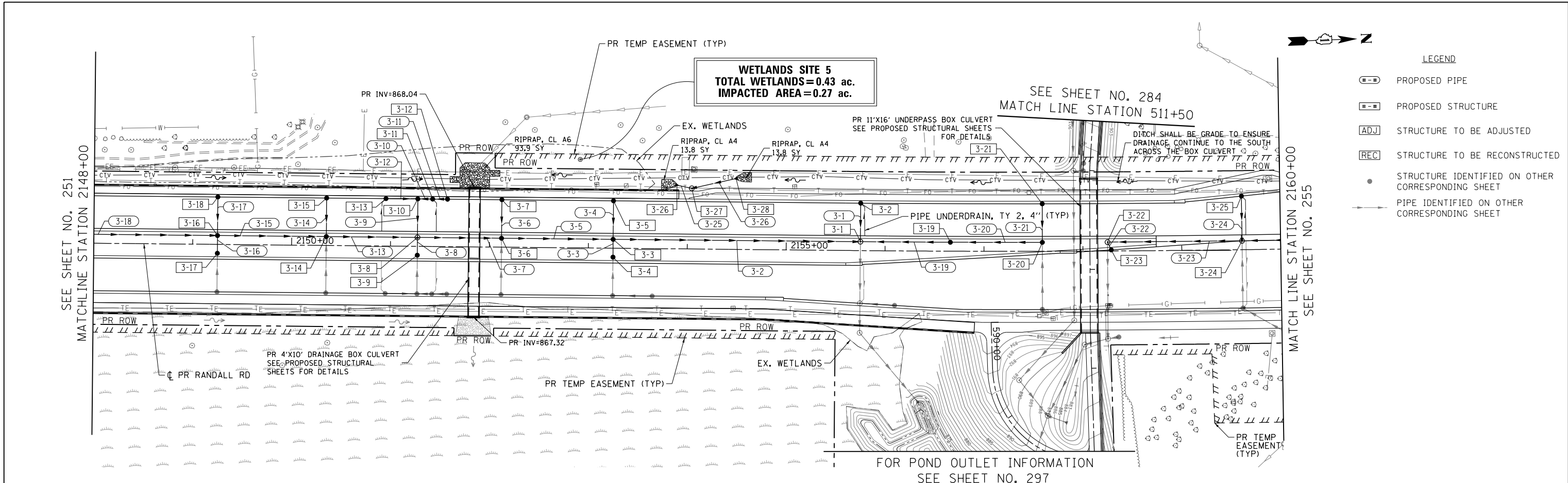
RANDALL ROAD DRAINAGE PLAN AND PROFILE - RIGHT SIDE

SCALE: 1"=50' HORIZ 1"=5' VERT SHEET 2 OF 50 SHEETS STA 2136+00 TO STA 2148+00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	252
CONTRACT NO.			61E53	
ILLINOIS FED. AID PROJECT				

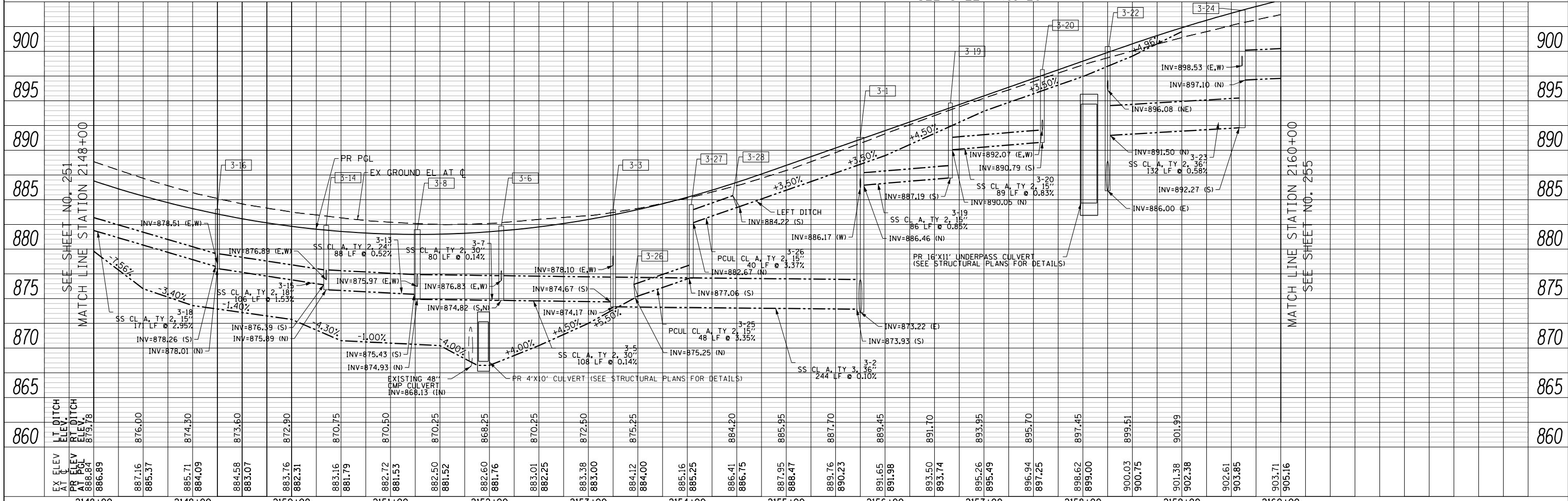
PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	ALIGNED	
	FILED	
	NO. /	
	NO. /	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	ALIGNED	
	FILED	
	NO. /	
	NO. /	



LEGEND

- E-B PROPOSED PIPE
- S-S PROPOSED STRUCTURE
- ADJ STRUCTURE TO BE ADJUSTED
- REC STRUCTURE TO BE RECONSTRUCTED
- STRUCTURE IDENTIFIED ON OTHER CORRESPONDING SHEET
- PIPE IDENTIFIED ON OTHER CORRESPONDING SHEET



USER NAME = mrc155	DESIGNED - JLT	REVISED -
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PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

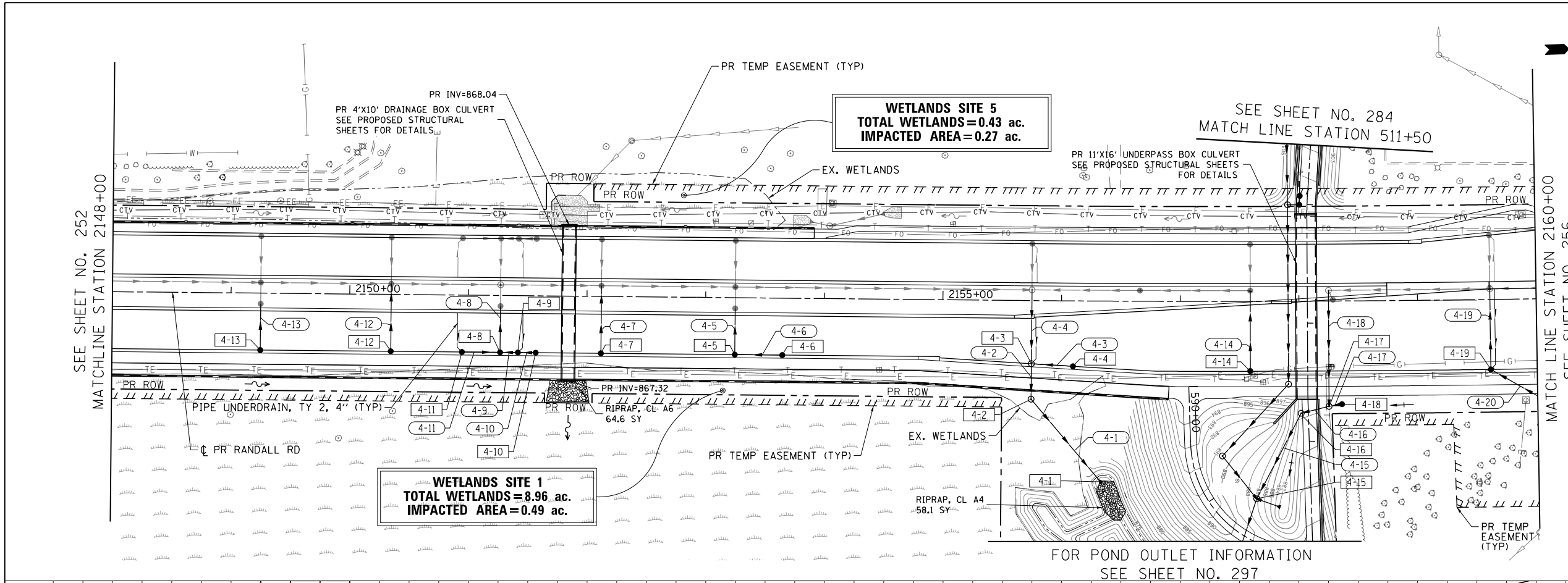
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RANDALL ROAD DRAINAGE PLAN AND PROFILE - LEFT SIDE
SCALE: 1"=50' HORIZ
1"=5' VERT
SHEET 3 OF 50 SHEETS
STA 2148+00 TO STA 2160+00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	253
CONTRACT NO.			61E53	
ILLINOIS FED. AID PROJECT				

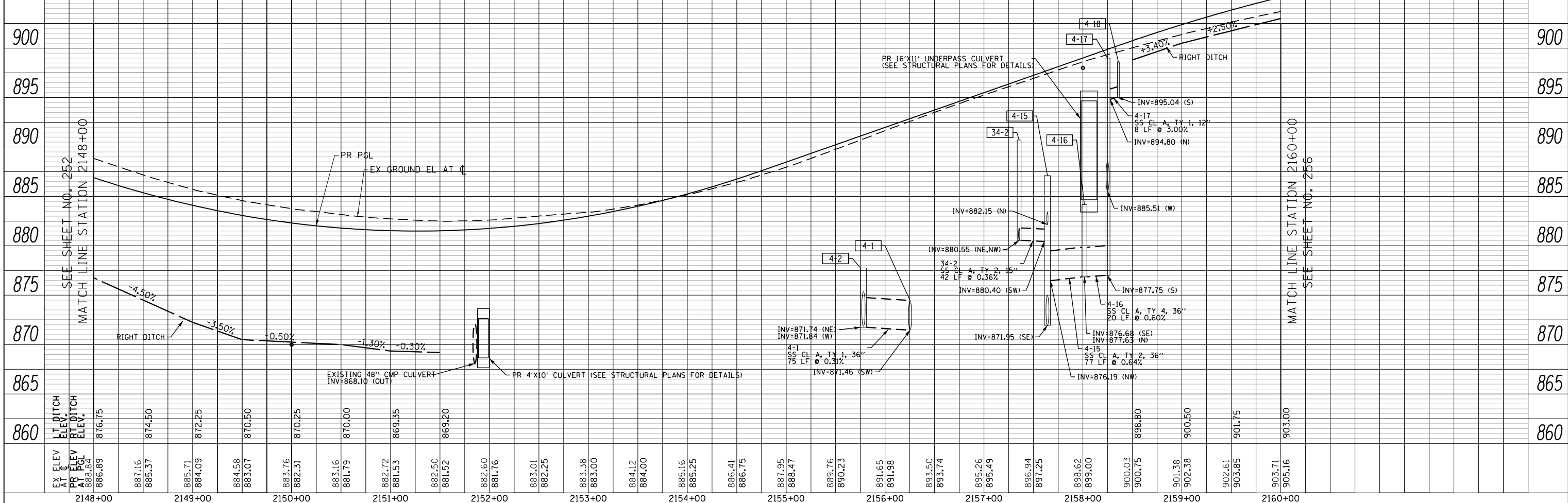
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NOTE BOOK	PLOTTED		
NO.	CHECKED		
	ALLOWED		
	CAD FILE NAME		
	NO.		

PROFILE	SURVEYED	BY	DATE
GRADES	PLOTTED		
STRUCTURE	CHECKED		
NOTATIONS	OK'D		



LEGEND

- [G-B] PROPOSED PIPE
- [H-B] PROPOSED STRUCTURE
- [ADJ] STRUCTURE TO BE ADJUSTED
- [REC] STRUCTURE TO BE RECONSTRUCTED
- STRUCTURE IDENTIFIED ON OTHER CORRESPONDING SHEET
- PIPE IDENTIFIED ON OTHER CORRESPONDING SHEET



USER NAME = mrc155	DESIGNED - JLT	REVISED -
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PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RANDALL ROAD DRAINAGE PLAN AND PROFILE - RIGHT SIDE

SCALE: 1"=50' HORIZ
1"=5' VERT
SHEET 4 OF 50 SHEETS
STA 2148+00 TO STA 2160+00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	254
CONTRACT NO.			61E53	

PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	GRADES CHECKED	BY
	STRUCTURE NOTATIONS OK'D	
	NO.	



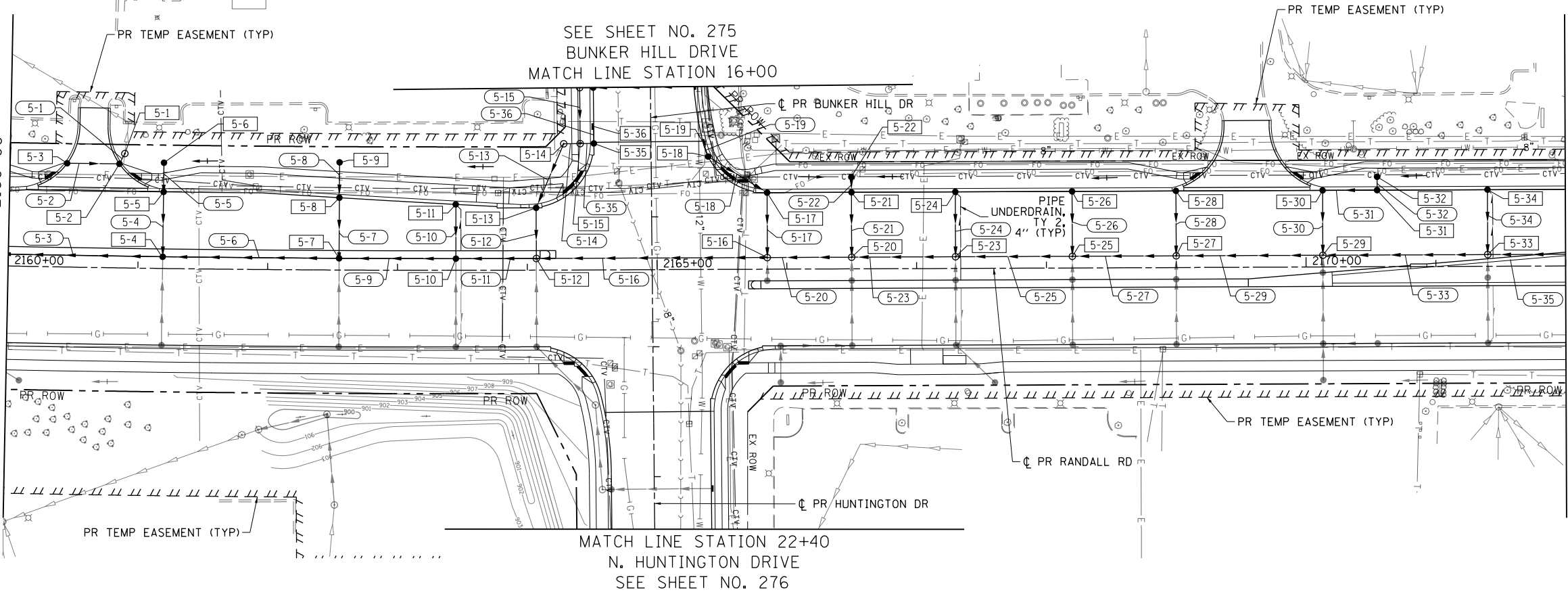
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SEE SHEET NO. 253
MATCHLINE STATION 2160+00

SEE SHEET NO. 253
MATCHLINE STATION 2160+00

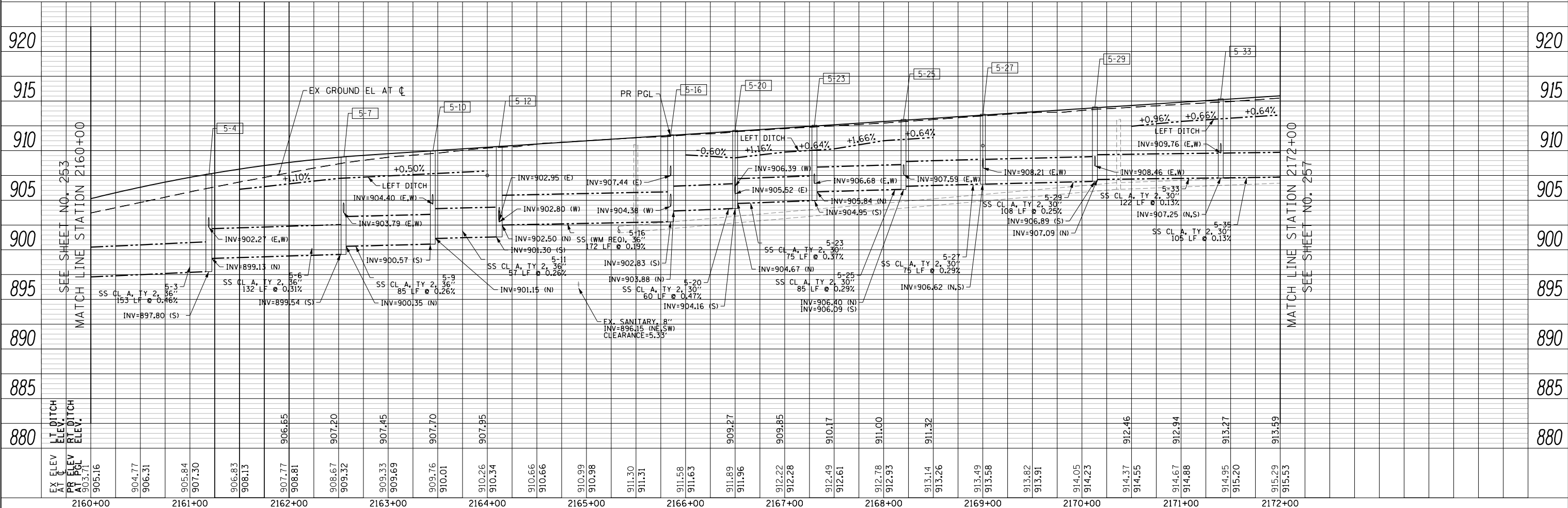
MATCHLINE STATION 2172+00
SEE SHEET NO. 257

MATCHLINE STATION 2172+00
SEE SHEET NO. 257



LEGEND

- 5-1 PROPOSED PIPE
- 5-16 PROPOSED STRUCTURE
- 5-16 STRUCTURE TO BE ADJUSTED
- 5-16 STRUCTURE TO BE RECONSTRUCTED
- STRUCTURE IDENTIFIED ON OTHER CORRESPONDING SHEET
- PIPE IDENTIFIED ON OTHER CORRESPONDING SHEET



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PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RANDALL ROAD DRAINAGE PLAN AND PROFILE - LEFT SIDE

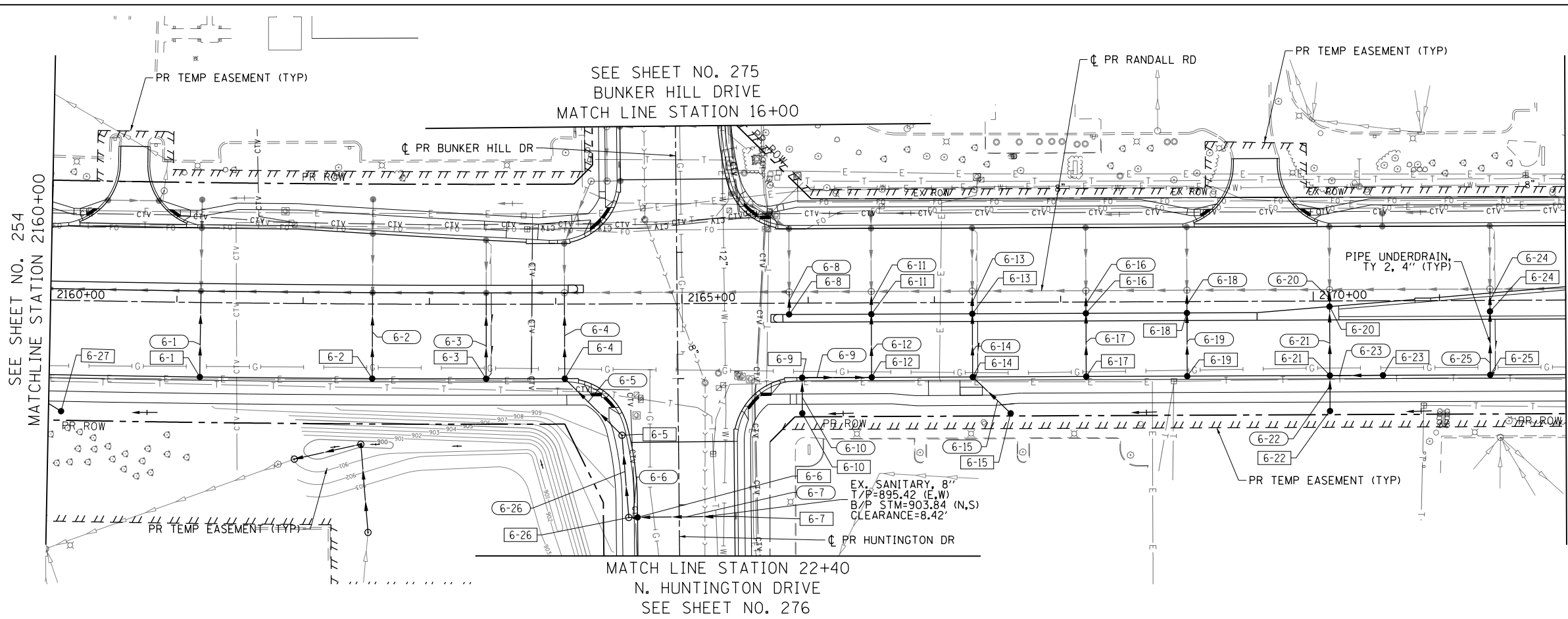
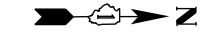
SCALE: 1"=50' HORIZ
1"=5' VERT

SHEET 5 OF 50 SHEETS STA 2160+00 TO STA 2172+00

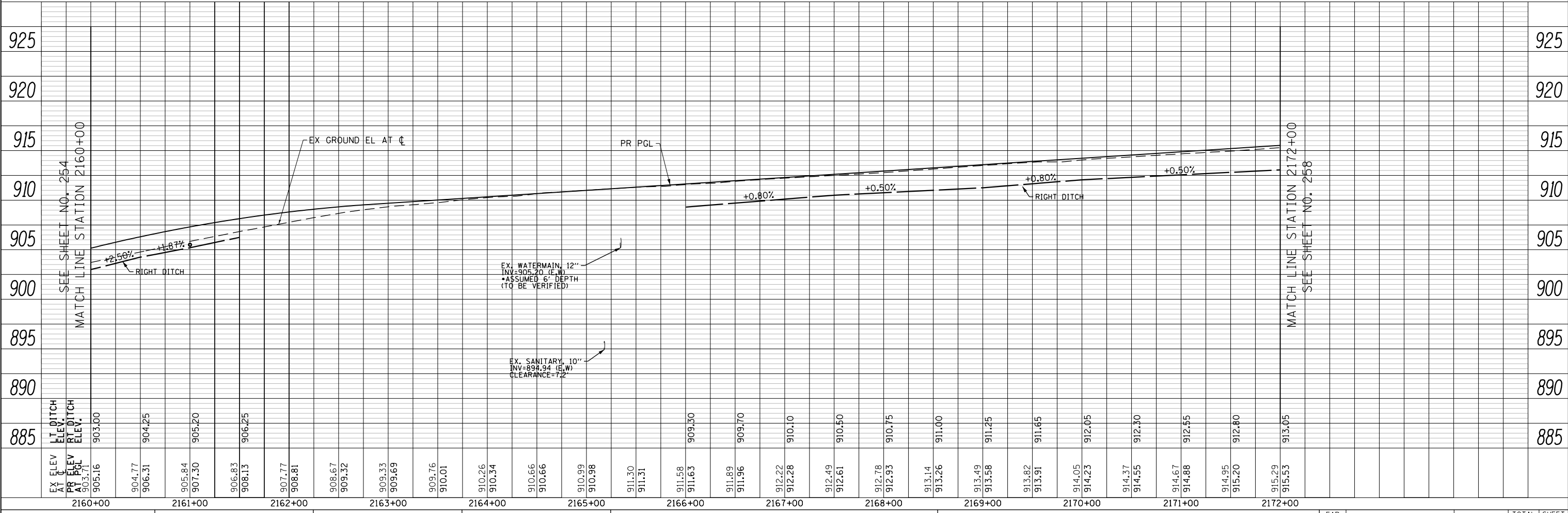
FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	255
CONTRACT NO.			61E53	
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NO. _____		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NO. _____		



- LEGEND**
- PROPOSED PIPE
 - PROPOSED STRUCTURE
 - [ADJ] STRUCTURE TO BE ADJUSTED
 - [REC] STRUCTURE TO BE RECONSTRUCTED
 - STRUCTURE IDENTIFIED ON OTHER CORRESPONDING SHEET
 - PIPE IDENTIFIED ON OTHER CORRESPONDING SHEET



Bolling, Lach & Associates, Inc.
ITASCA, ILLINOIS

EX ELEV AT CL
PR ELEV AT PGL

USER NAME = mrc155	DESIGNED - JLT	REVISED -
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PLOT SCALE = 100.0000' / IN.	CHECKED - DBB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RANDALL ROAD DRAINAGE PLAN AND PROFILE - RIGHT SIDE

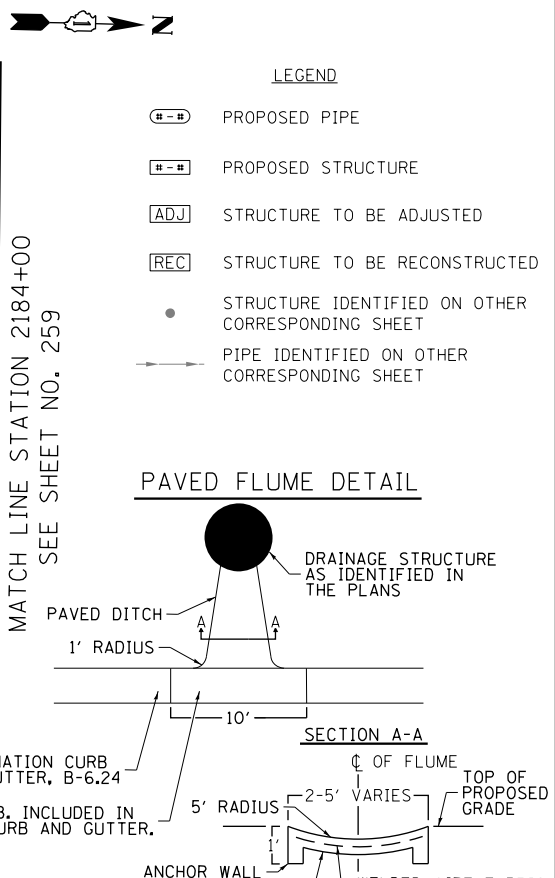
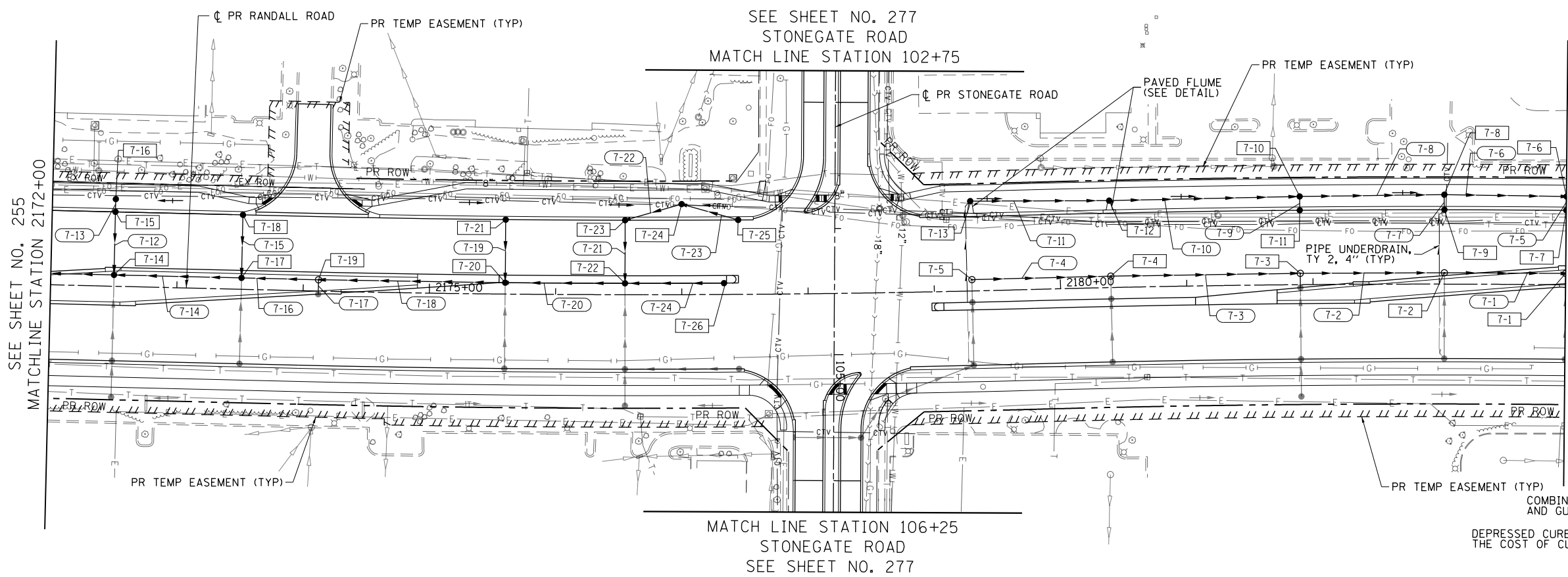
SCALE: 1"=50' HORIZ
1"=5' VERT

FAP R/TE 336	SECTION 06-00329-01-PW	COUNTY MCHENRY	TOTAL SHEETS 1751	SHEET NO. 256
				CONTRACT NO. 61E53

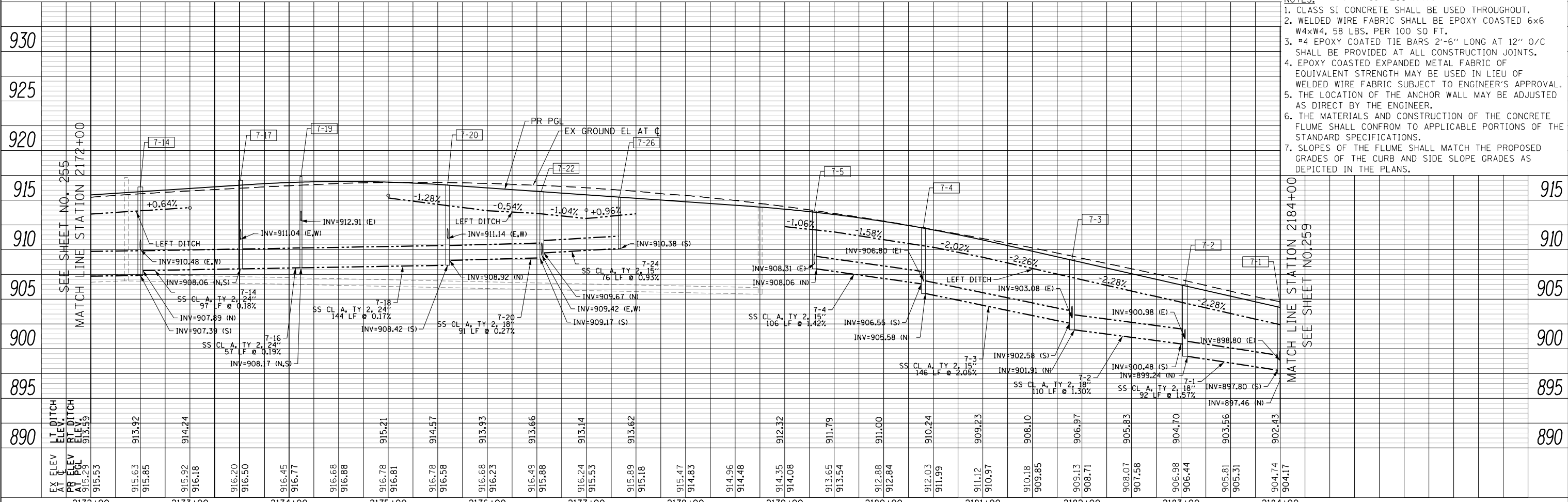
ILLINOIS FED. AID PROJECT

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
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	NO. 2		
	NO. 3		
	NO. 4		
	NO. 5		
	NO. 6		
	NO. 7		
	NO. 8		
	NO. 9		
	NO. 10		

PROFILE	SURVEYED	BY	DATE
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NO. 1		
	NO. 2		
	NO. 3		
	NO. 4		
	NO. 5		
	NO. 6		
	NO. 7		
	NO. 8		
	NO. 9		
	NO. 10		



- NOTES:
1. CLASS SI CONCRETE SHALL BE USED THROUGHOUT.
 2. WELDED WIRE FABRIC SHALL BE EPOXY COATED 6x6 W4xW4, 58 LBS. PER 100 SQ FT.
 3. #4 EPOXY COATED TIE BARS 2'-6" LONG AT 12" O/C SHALL BE PROVIDED AT ALL CONSTRUCTION JOINTS.
 4. EPOXY COATED EXPANDED METAL FABRIC OF EQUIVALENT STRENGTH MAY BE USED IN LIEU OF WELDED WIRE FABRIC SUBJECT TO ENGINEER'S APPROVAL.
 5. THE LOCATION OF THE ANCHOR WALL MAY BE ADJUSTED AS DIRECT BY THE ENGINEER.
 6. THE MATERIALS AND CONSTRUCTION OF THE CONCRETE FLUME SHALL CONFORM TO APPLICABLE PORTIONS OF THE STANDARD SPECIFICATIONS.
 7. SLOPES OF THE FLUME SHALL MATCH THE PROPOSED GRADES OF THE CURB AND SIDE SLOPE GRADES AS DEPICTED IN THE PLANS.



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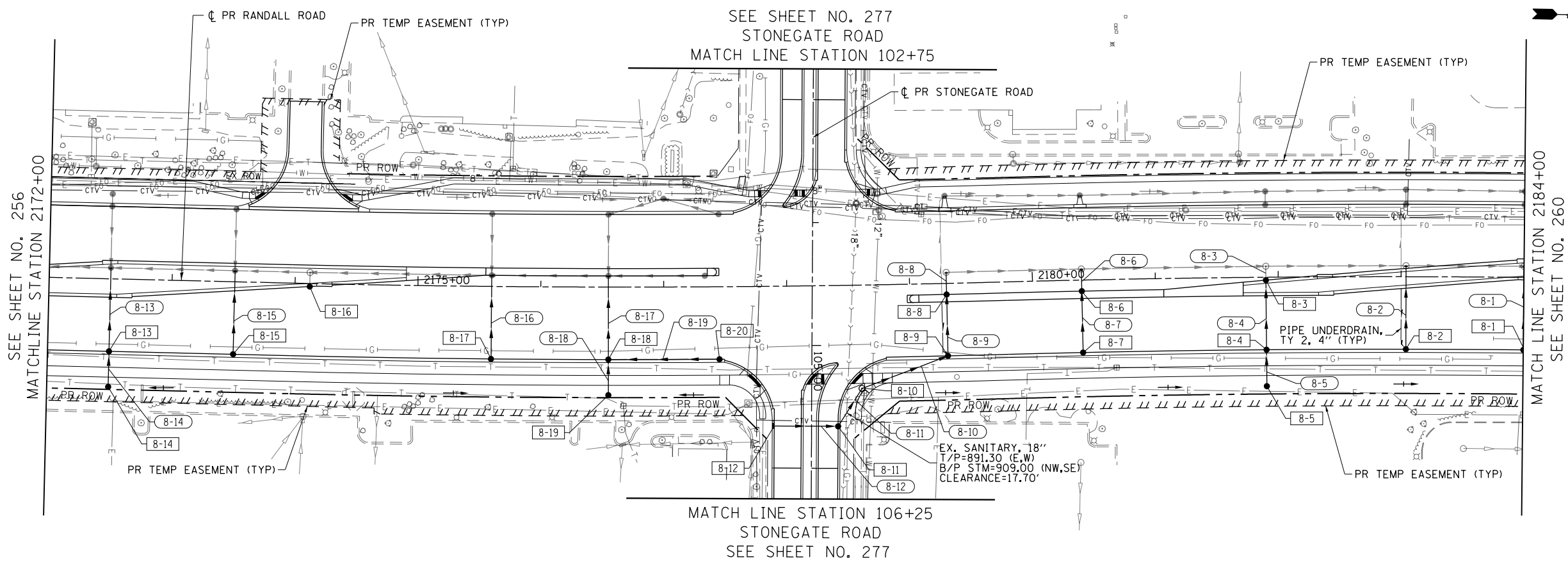
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RANDALL ROAD DRAINAGE PLAN AND PROFILE - LEFT SIDE
SCALE: 1"=50' HORIZ
1"=5' VERT
SHEET 7 OF 50 SHEETS
STA 2172+00 TO STA 2184+00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	257
CONTRACT NO.			61E53	
ILLINOIS FED. AID PROJECT				

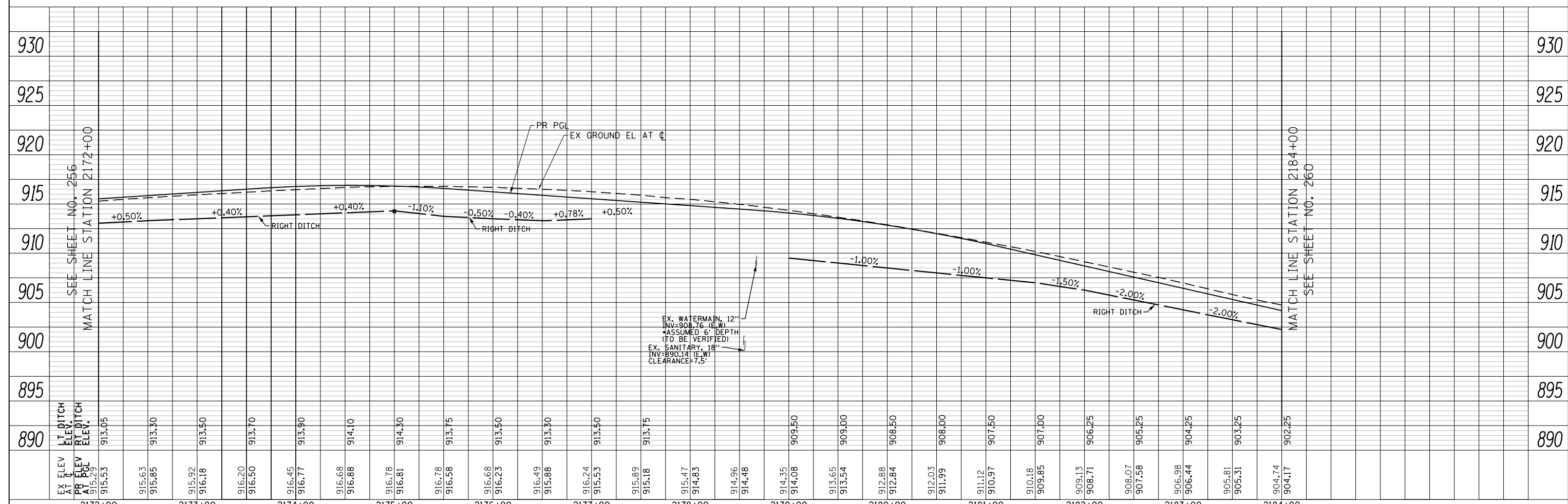
PLAN	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	CHECKED		
	ALLOWED		
	CADD FILE NAME		

PROFILE	SURVEYED	BY	DATE
NOTE BOOK NO.	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		



LEGEND

- 8-8 PROPOSED PIPE
- PROPOSED STRUCTURE
- ADJ STRUCTURE TO BE ADJUSTED
- REC STRUCTURE TO BE RECONSTRUCTED
- STRUCTURE IDENTIFIED ON OTHER CORRESPONDING SHEET
- PIPE IDENTIFIED ON OTHER CORRESPONDING SHEET



USER NAME = mrc155	DESIGNED - JLT	REVISED -
FILENAME = D:\NNNN\shd-Drain-08.dgn	DRAWN - JLT	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - DBB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

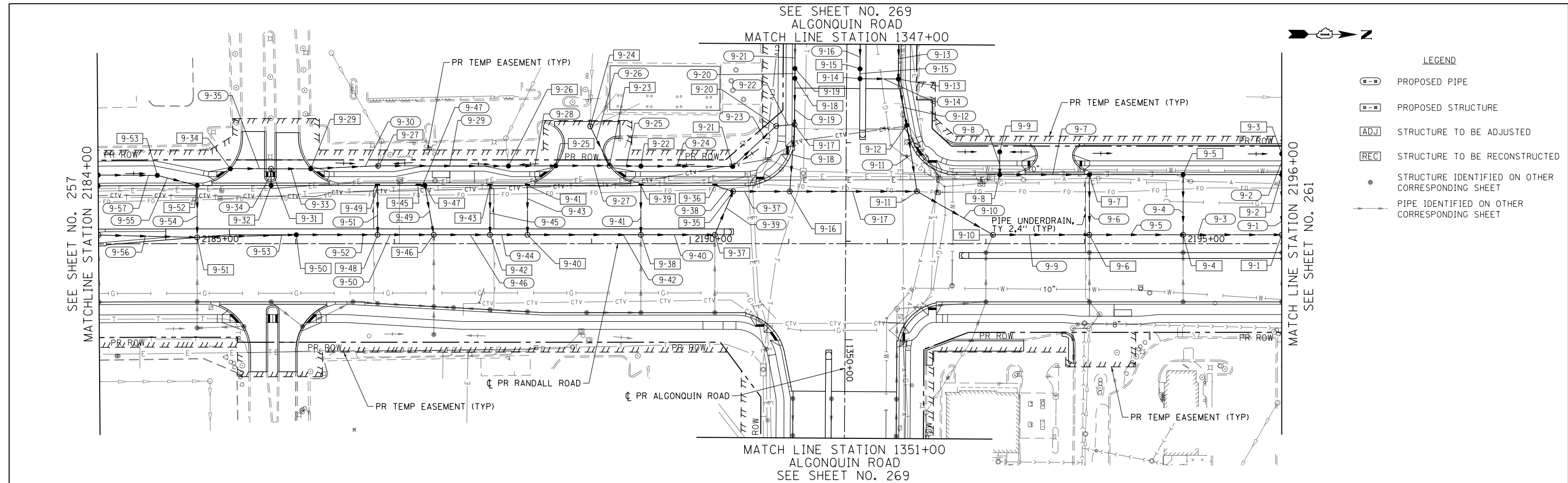
RANDALL ROAD DRAINAGE PLAN AND PROFILE - RIGHT SIDE

SCALE: 1"=50' HORIZ
1"=5' VERT SHEET 8 OF 50 SHEETS STA 2172+00 TO STA 2184+00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	258
CONTRACT NO.				61E53
ILLINOIS FED. AID PROJECT				

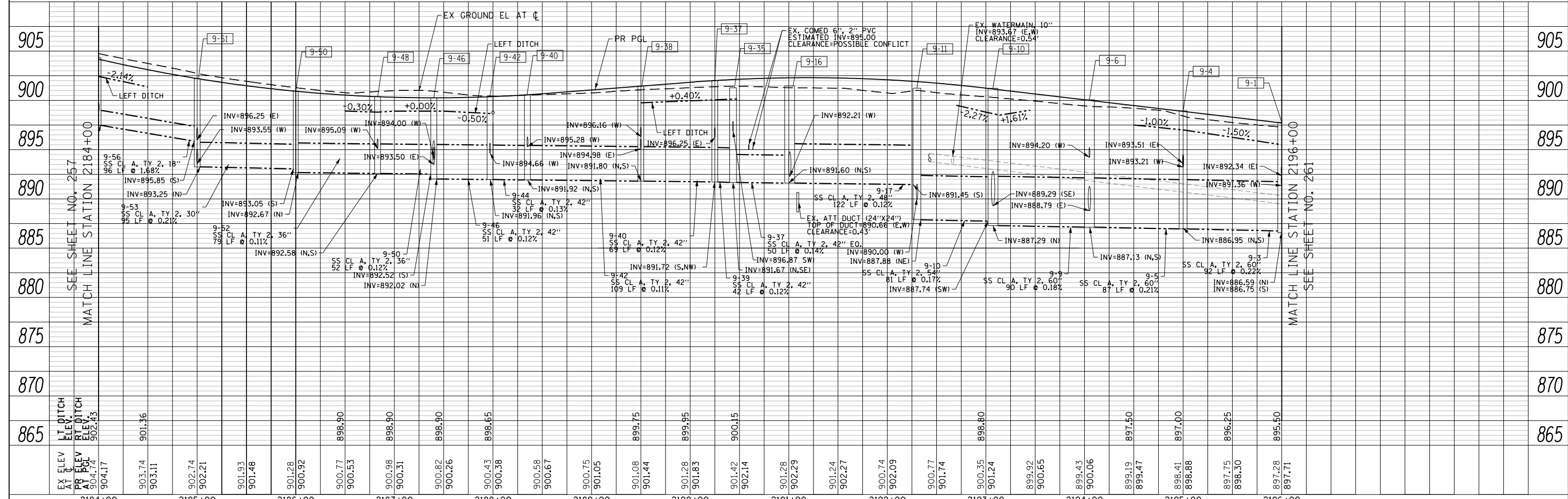
PLAN	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	CHECKED	
	ALIGNED	
	CAD FILE NAME	

PROFILE	SURVEYED	DATE
NOTE BOOK	GRADES CHECKED	BY
NO.	STRUCTURE	
	NOTATIONS CHKD	



LEGEND

- ▬-▬ PROPOSED PIPE
- ▬-▬ PROPOSED STRUCTURE
- [ADJ] STRUCTURE TO BE ADJUSTED
- [REC] STRUCTURE TO BE RECONSTRUCTED
- STRUCTURE IDENTIFIED ON OTHER CORRESPONDING SHEET
- PIPE IDENTIFIED ON OTHER CORRESPONDING SHEET



USER NAME = mrc155	DESIGNED - JLT	REVISED -
FILENAME = D:\NNNN-sht-Drain-09.dgn	DRAWN - JLT	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - DBB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

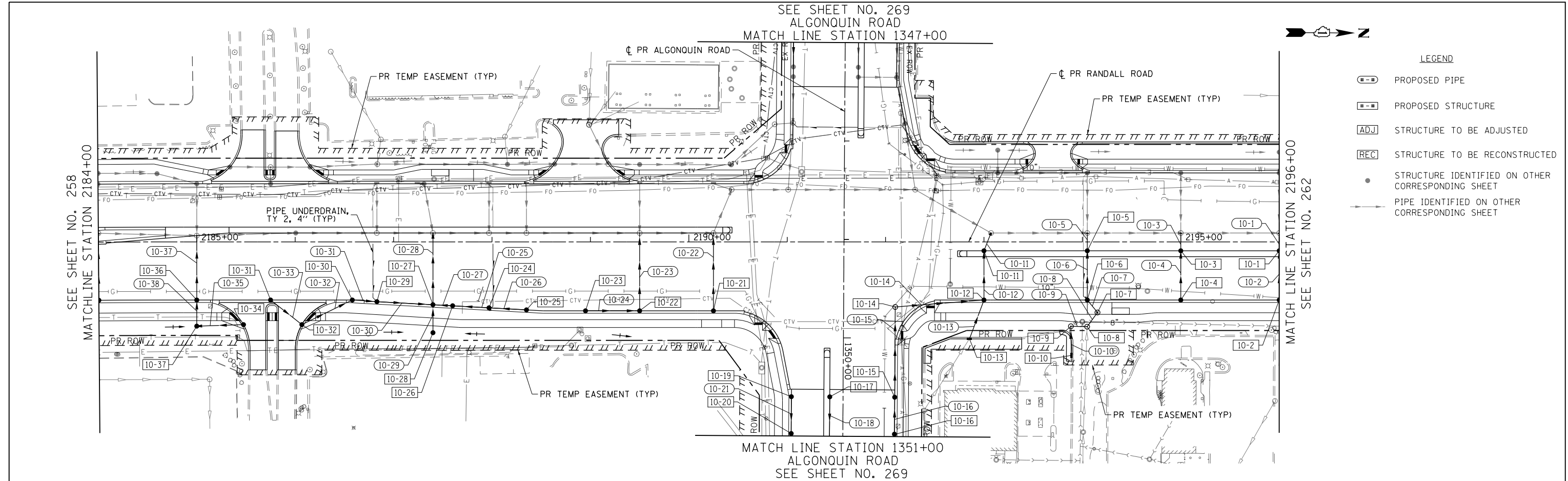
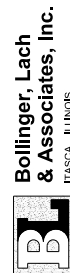
RANDALL ROAD DRAINAGE PLAN AND PROFILE - LEFT SIDE

SCALE: 1"=50' HORIZ
1"=5' VERT SHEET 9 OF 50 SHEETS STA 2184+00 TO STA 2196+00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	259
CONTRACT NO.			61E53	
ILLINOIS FED. AID PROJECT				

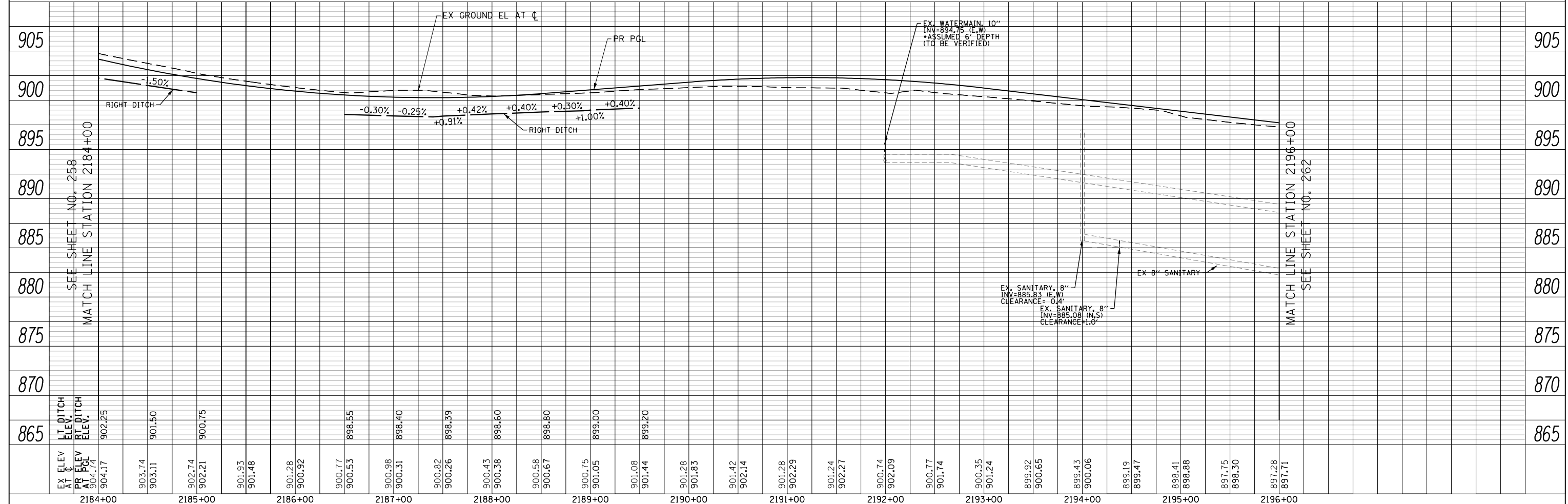
PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	NOTED		
	FILED		
NO. _____	CADD FILE NAME _____		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	NOTED		
	FILED		
NO. _____	CADD FILE NAME _____		



LEGEND

- P - PROPOSED PIPE
- S - PROPOSED STRUCTURE
- A - STRUCTURE TO BE ADJUSTED
- R - STRUCTURE TO BE RECONSTRUCTED
- - STRUCTURE IDENTIFIED ON OTHER CORRESPONDING SHEET
- - PIPE IDENTIFIED ON OTHER CORRESPONDING SHEET



USER NAME = mrc155	DESIGNED - JLT	REVISED -
FILENAME = D:\NNNN-sht-Drain-10.dgn	DRAWN - JLT	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - DBB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RANDALL ROAD DRAINAGE PLAN AND PROFILE - RIGHT SIDE

SCALE: 1"=50' HORIZ 1"=5' VERT SHEET 10 OF 50 SHEETS STA 2184+00 TO STA 2196+00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	260
CONTRACT NO.				61E53
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	GRADES CHECKED	BY
	STRUCTURE	
	NOTATRS CHKD	
	NO.	



SEE SHEET NO. 279
COMMERCIAL DR (COSTCO)
MATCH LINE STATION 201+00

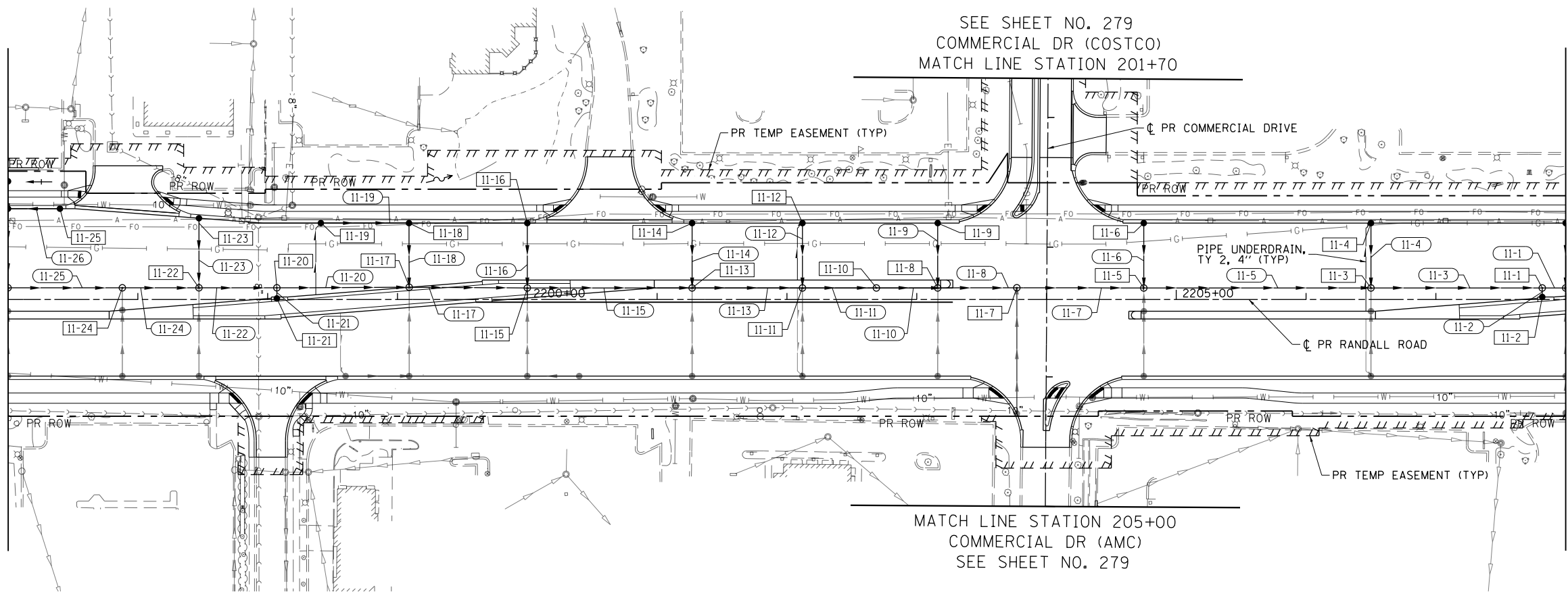


LEGEND

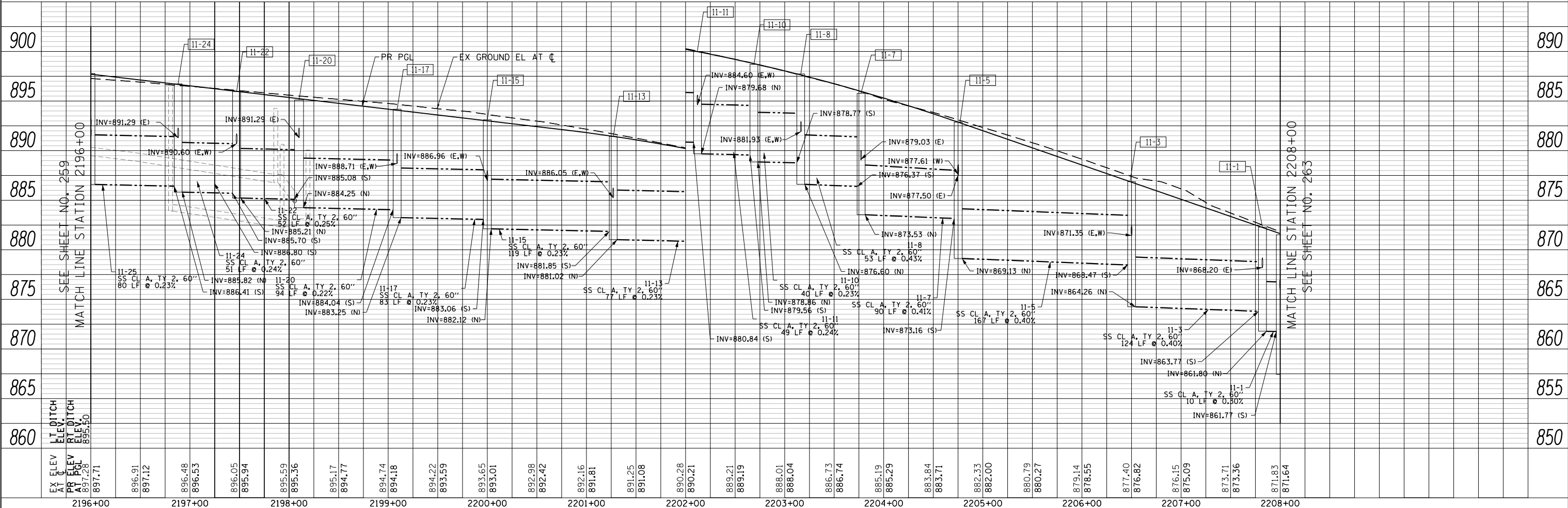
	PROPOSED PIPE
	PROPOSED STRUCTURE
	STRUCTURE TO BE ADJUSTED
	STRUCTURE TO BE RECONSTRUCTED
	STRUCTURE IDENTIFIED ON OTHER CORRESPONDING SHEET
	PIPE IDENTIFIED ON OTHER CORRESPONDING SHEET

SEE SHEET NO. 259
MATCHLINE STATION 2196+00

MATCH LINE STATION 2208+00
SEE SHEET NO. 263



MATCH LINE STATION 205+00
COMMERCIAL DR (AMC)
SEE SHEET NO. 279



SEE SHEET NO. 259
MATCH LINE STATION 2196+00

MATCH LINE STATION 2208+00
SEE SHEET NO. 263

USER NAME = mrc155	DESIGNED - JLT	REVISED -
FILENAME = D:\NNNN-sht-Drain-11.dgn	DRAWN - JLT	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - DBB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

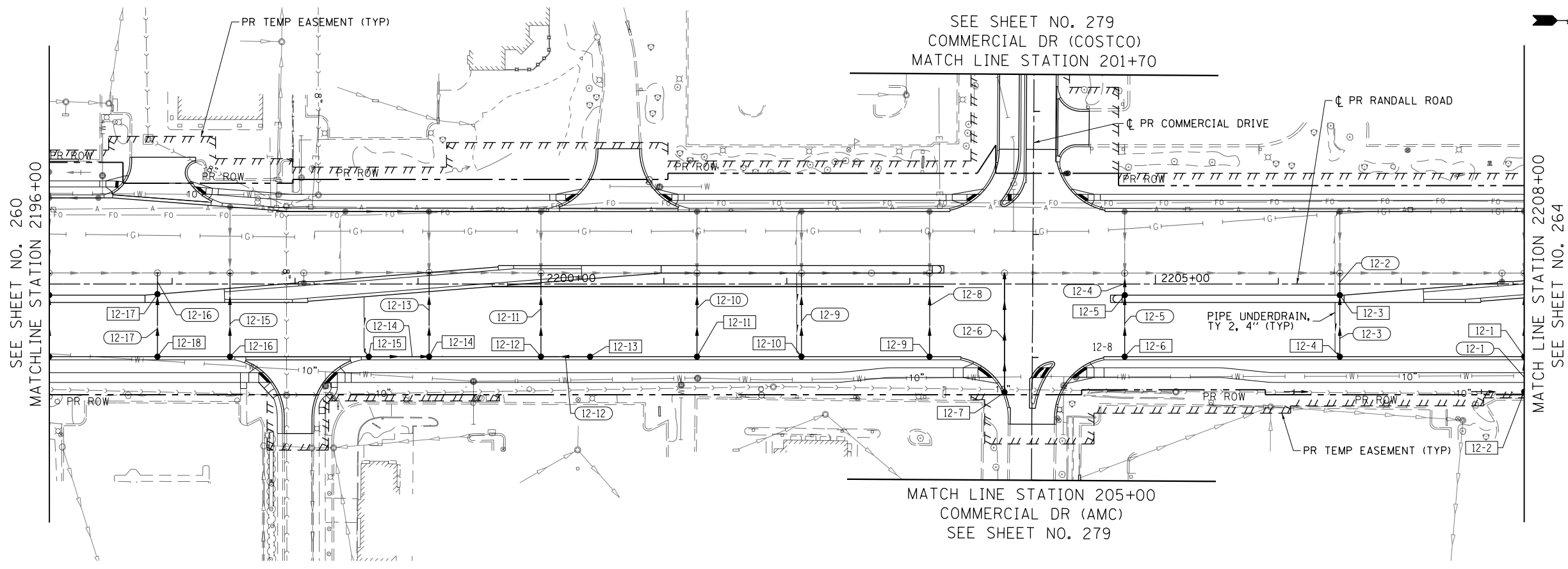
RANDALL ROAD DRAINAGE PLAN AND PROFILE - LEFT SIDE

SCALE: 1"=50' HORIZ
1"=5' VERT SHEET 11 OF 50 SHEETS STA 2196+00 TO STA 2208+00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	261
CONTRACT NO.			61E53	
ILLINOIS FED. AID PROJECT				

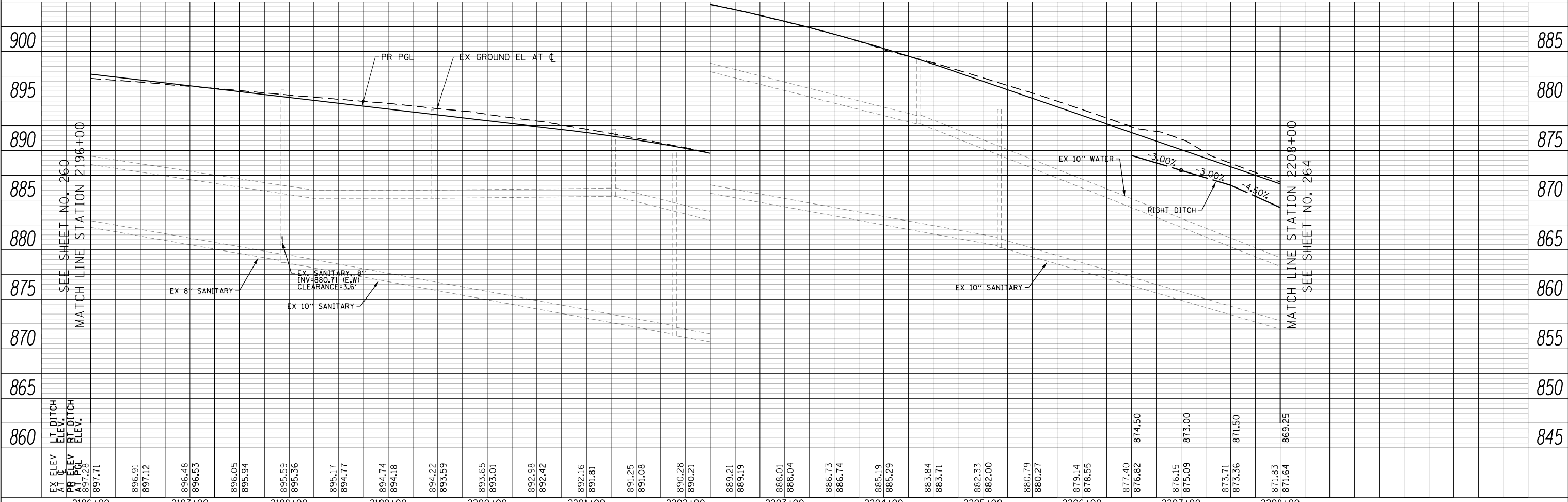
PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	ALIGNED		
	CAD FILE NAME		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE		
	NOTATIONS CHK'D		
	NO.		



LEGEND

- P PROPOSED PIPE
- S PROPOSED STRUCTURE
- ADJ STRUCTURE TO BE ADJUSTED
- REC STRUCTURE TO BE RECONSTRUCTED
- STRUCTURE IDENTIFIED ON OTHER CORRESPONDING SHEET
- PIPE IDENTIFIED ON OTHER CORRESPONDING SHEET



EX ELEV AT C	PR ELEV AT PGL	EX 8" SANITARY	EX 10" SANITARY	EX SANITARY 8" INV=880.71 (E.W) CLEARANCE=3.6'	EX 10" WATER	RIGHT DITCH	EX 10" SANITARY	EX 10" WATER	RIGHT DITCH	PR PGL	EX GROUND EL AT C
897.71	897.28										
896.91	897.12										
896.48	896.53										
896.05	895.94										
895.59	895.36										
895.17	894.77										
894.74	894.18										
894.22	893.59										
893.65	893.01										
892.98	892.42										
892.16	891.81										
891.25	891.08										
890.28	890.21										
889.21	889.19										
888.01	888.04										
886.73	886.74										
885.19	885.29										
883.84	883.71										
882.33	882.00										
880.79	880.27										
879.14	878.55										
877.40	876.82										
876.15	875.09										
873.71	873.36										
871.83	871.64										
869.25											

USER NAME = mrc155	DESIGNED - JLT	REVISED -
FILENAME = D:\NNNN-sht-Drain-12.dgn	DRAWN - JLT	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - DBB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RANDALL ROAD DRAINAGE PLAN AND PROFILE - RIGHT SIDE

SCALE: 1"=50' HORIZ 1"=5' VERT SHEET 12 OF 50 SHEETS STA 2196+00 TO STA 2208+00

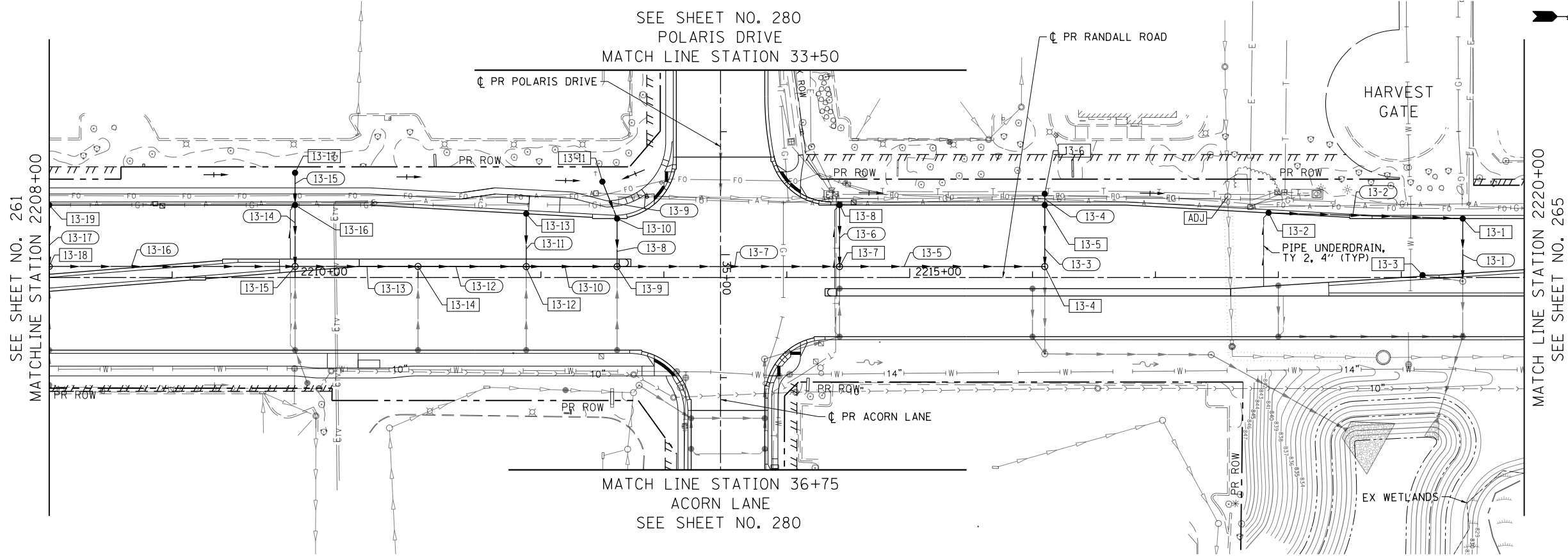
FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	262
CONTRACT NO.			61E53	
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	ALIGNED		
	FILE NAME		
	NO.		

PROFILE	SURVEYED	BY	DATE
	GRADES CHECKED		
	STRUCTURE		
	NOT AT THIS OFFICE		
	NO.		

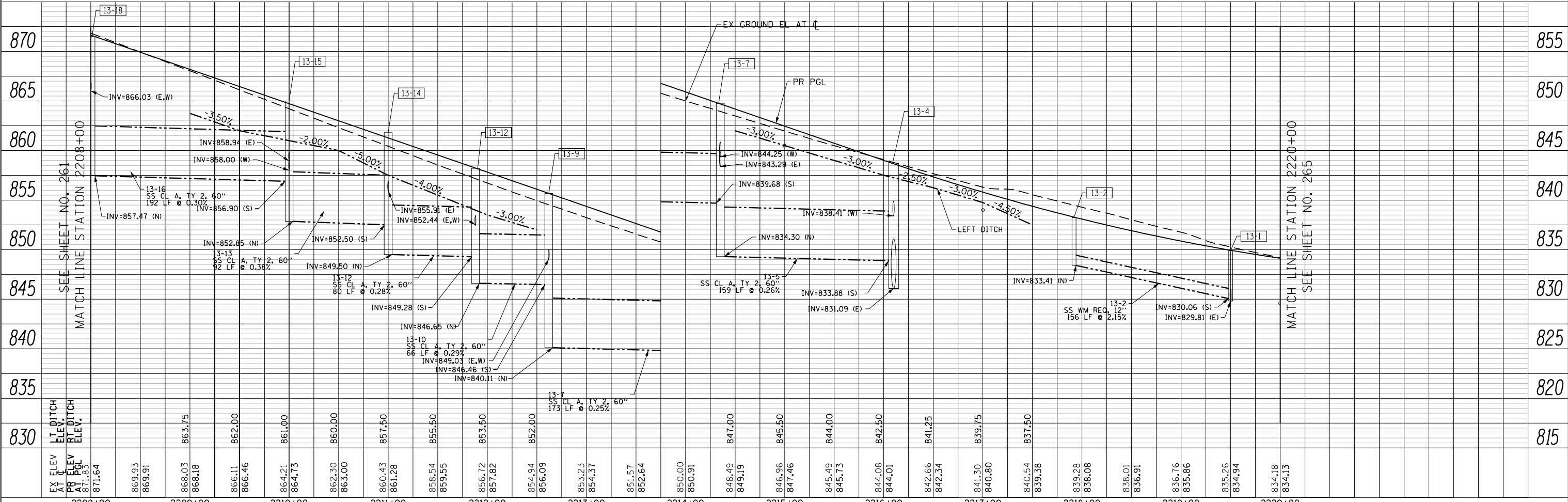


Bollinger, Lach & Associates, Inc.
ITASCIA, ILLINOIS



LEGEND

- [- -] PROPOSED PIPE
- [ADJ] PROPOSED STRUCTURE
- [REC] STRUCTURE TO BE ADJUSTED
- [REC] STRUCTURE TO BE RECONSTRUCTED
- STRUCTURE IDENTIFIED ON OTHER CORRESPONDING SHEET
- PIPE IDENTIFIED ON OTHER CORRESPONDING SHEET



USER NAME = mrc155	DESIGNED - JLT	REVISED -
FILENAME = D:\NNNN-sht-Drain-13.dgn	DRAWN - JLT	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - DBB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

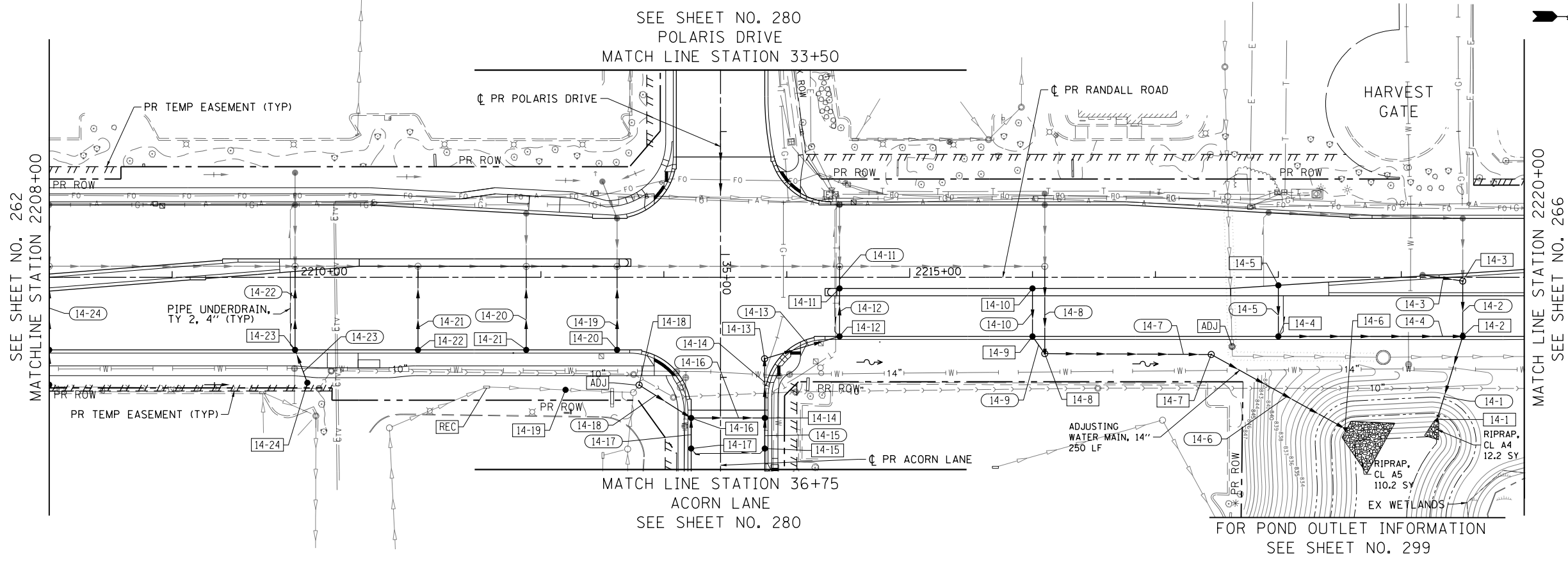
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RANDALL ROAD DRAINAGE PLAN AND PROFILE - LEFT SIDE
SCALE: 1"=50' HORIZ
1"=5' VERT
SHEET 13 OF 50 SHEETS
STA 2208+00 TO STA 2220+00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	263
CONTRACT NO.			61E53	
ILLINOIS FED. AID PROJECT				

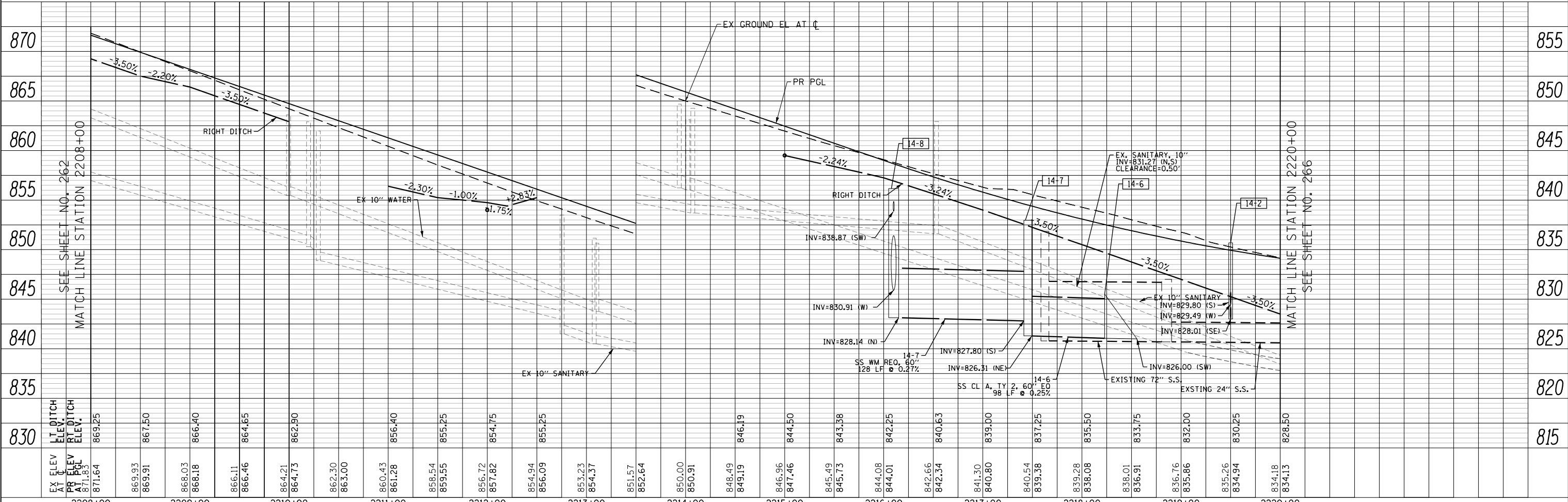
PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	ALIGNED		
	FILED		
	CAD FILE NAME		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	GRADES		
	STRUCTURE		
	NOTATIONS		
	CHKD		
	NO.		



LEGEND

- P PROPOSED PIPE
- S PROPOSED STRUCTURE
- ADJ STRUCTURE TO BE ADJUSTED
- REC STRUCTURE TO BE RECONSTRUCTED
- STRUCTURE IDENTIFIED ON OTHER CORRESPONDING SHEET
- PIPE IDENTIFIED ON OTHER CORRESPONDING SHEET



USER NAME = mrc155	DESIGNED - JLT	REVISED -
FILENAME = D:\NNNN-sht-Drain-14.dgn	DRAWN - JLT	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - DBB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RANDALL ROAD DRAINAGE PLAN AND PROFILE - RIGHT SIDE

SCALE: 1"=50' HORIZ
1"=5' VERT

SHEET 14 OF 50 SHEETS STA 2208+00 TO STA 2220+00

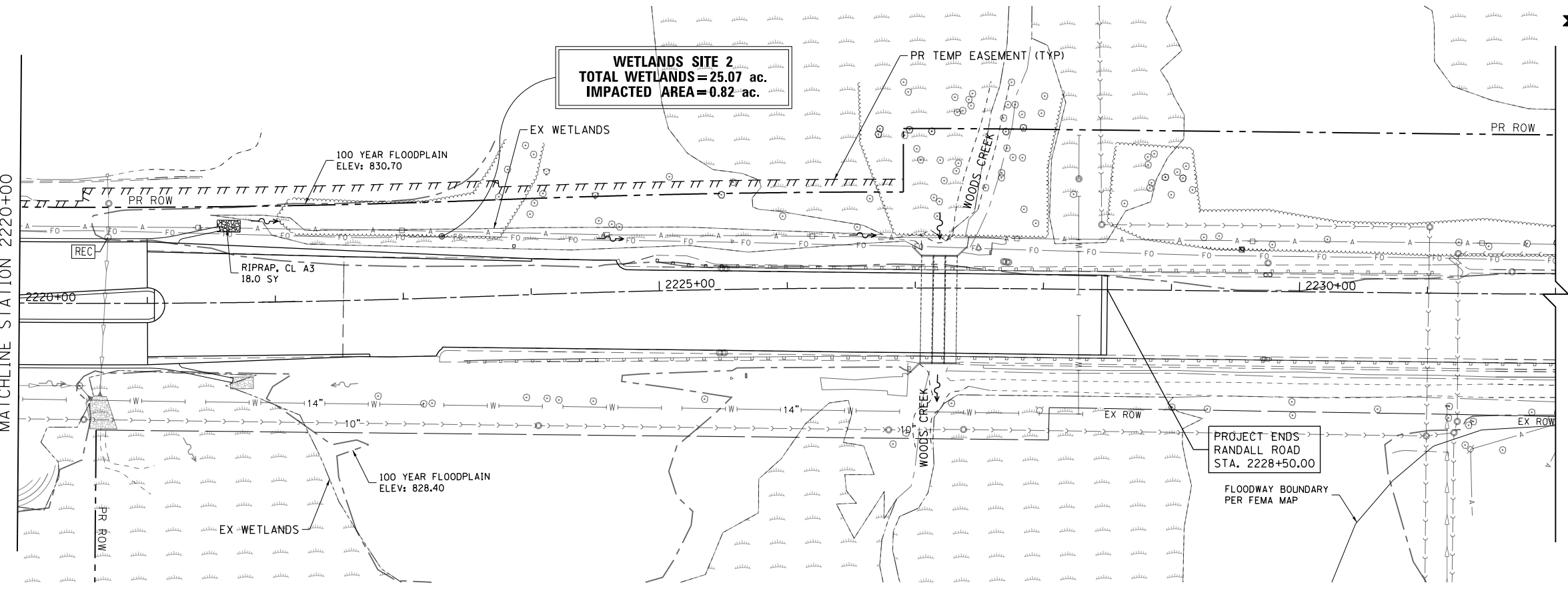
FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	264
CONTRACT NO.			61E53	
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	CHECKED		
	ALLOWED		
	FILE NAME		

PROFILE	SURVEYED	BY	DATE
NOTE BOOK NO.	GRADES CHECKED		
	STRUCTURE		
	NOTATIONS CHK'D		

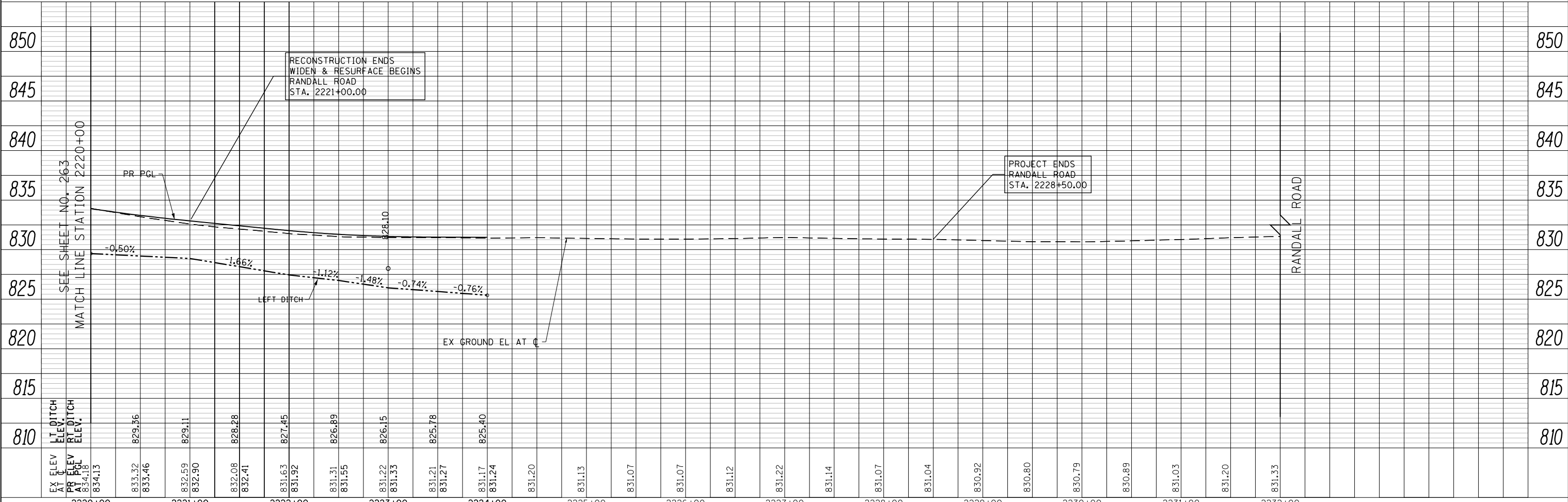


SEE SHEET NO. 263
MATCHLINE STATION 2220+00



LEGEND

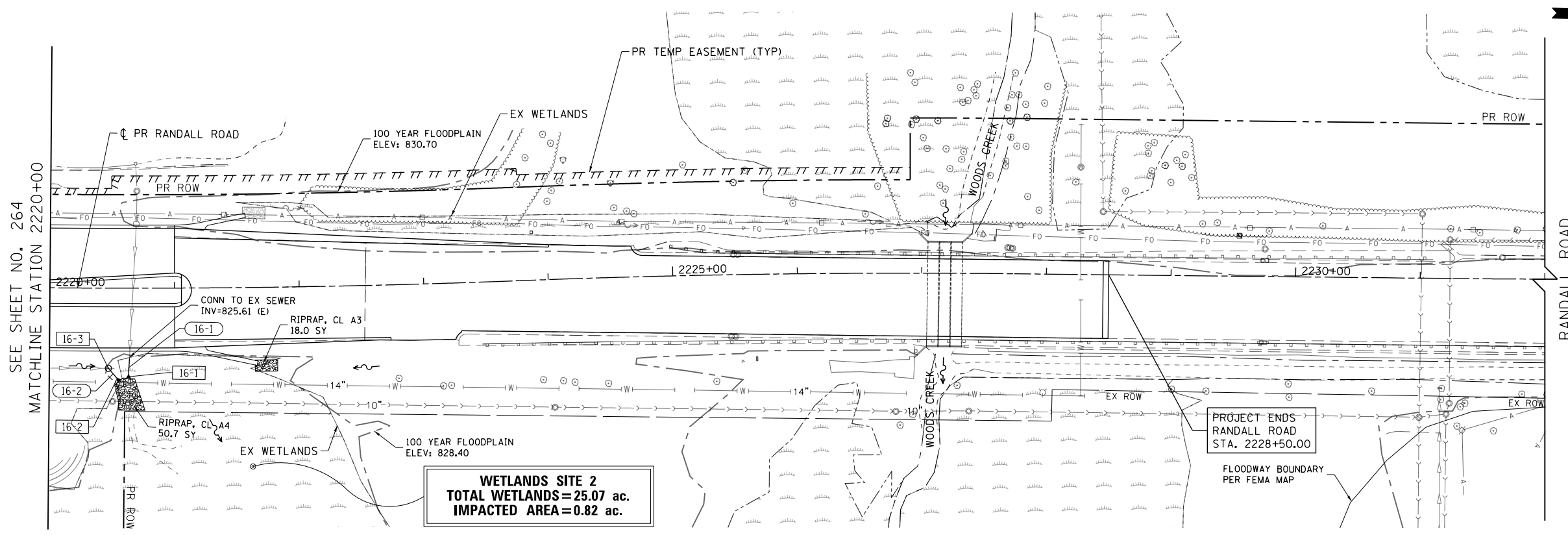
- PROPOSED PIPE
- PROPOSED STRUCTURE
- STRUCTURE TO BE ADJUSTED
- STRUCTURE TO BE RECONSTRUCTED
- STRUCTURE IDENTIFIED ON OTHER CORRESPONDING SHEET
- PIPE IDENTIFIED ON OTHER CORRESPONDING SHEET



EX ELEV AT C	PR ELEV AT PCL	PR PCL	EX GROUND EL AT C	RECONSTRUCTION ENDS WIDEN & RESURFACE BEGINS RANDALL ROAD STA. 2221+00.00	PROJECT ENDS RANDALL ROAD STA. 2228+50.00	PROJECT ENDS RANDALL ROAD STA. 2228+50.00
834.13	834.18					
833.32	829.36					
833.46						
832.59	829.11					
832.90						
832.08	828.28					
832.41						
831.63	827.45					
831.92						
831.31	826.89					
831.95						
831.22	826.15					
831.33						
831.21	825.78					
831.27						
831.17	825.40					
831.24						
831.20						
831.13						
831.07						
831.07						
831.12						
831.22						
831.14						
831.07						
831.04						
830.92						
830.80						
830.79						
830.89						
831.03						
831.20						
831.33						

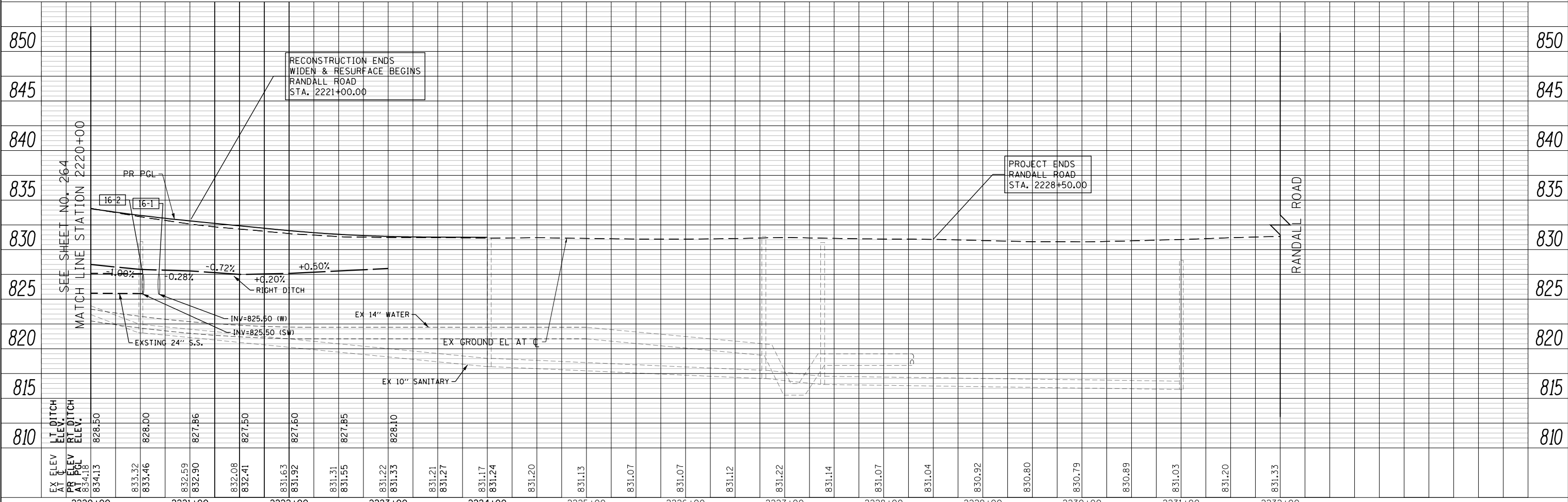
PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	ALIGNED		
	CAD FILE NAME		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS OK'D		
	NO.		



LEGEND

- P PROPOSED PIPE
- S PROPOSED STRUCTURE
- A STRUCTURE TO BE ADJUSTED
- R STRUCTURE TO BE RECONSTRUCTED
- STRUCTURE IDENTIFIED ON OTHER CORRESPONDING SHEET
- PIPE IDENTIFIED ON OTHER CORRESPONDING SHEET



RECONSTRUCTION ENDS
WIDEN & RESURFACE BEGINS
RANDALL ROAD
STA. 2221+00.00

PROJECT ENDS
RANDALL ROAD
STA. 2228+50.00

EX ELEV AT C	PR ELEV AT PGL	834.13	833.32	833.46	832.59	832.90	832.08	832.41	831.63	831.92	831.31	831.55	831.22	831.33	831.21	831.27	831.17	831.24	831.20	831.13	831.07	831.07	831.12	831.22	831.14	831.07	831.04	830.92	830.80	830.79	830.89	831.03	831.20	831.33	
2220+00	2221+00	2222+00	2223+00	2224+00	2225+00	2226+00	2227+00	2228+00	2229+00	2230+00	2231+00	2232+00																							

USER NAME = mrc155	DESIGNED -	REVISED -
FILENAME = D:\NNNN-shd-Drain-16.dgn	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 4/25/2018	DATE = 4-26-2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RANDALL ROAD DRAINAGE PLAN AND PROFILE - RIGHT SIDE

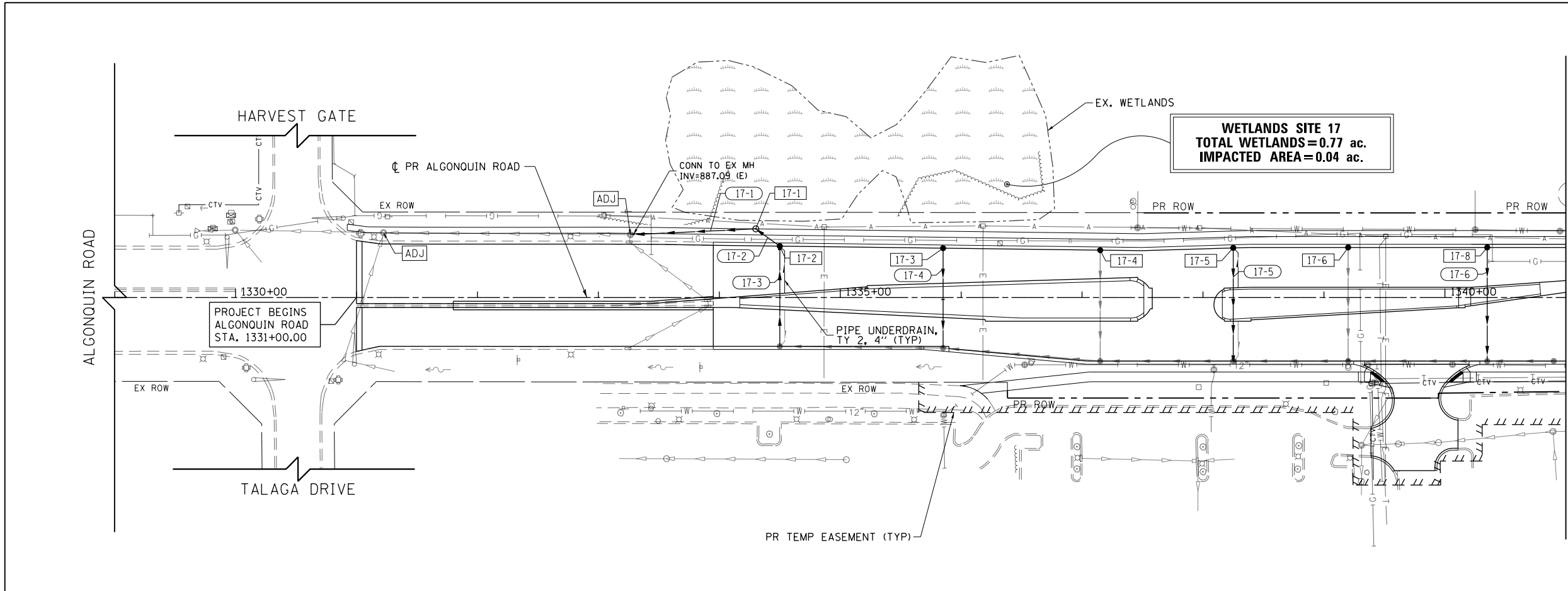
SCALE: 1"=50' HORIZ
1"=5' VERT SHEET 16 OF 50 SHEETS STA 2220+00 TO STA 2232+00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	266
CONTRACT NO.			61E53	

ILLINOIS FED. AID PROJECT

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	ALIGNED		
	CADD FILE NAME		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE		
	NOTATRS CHKD		
	NO.		

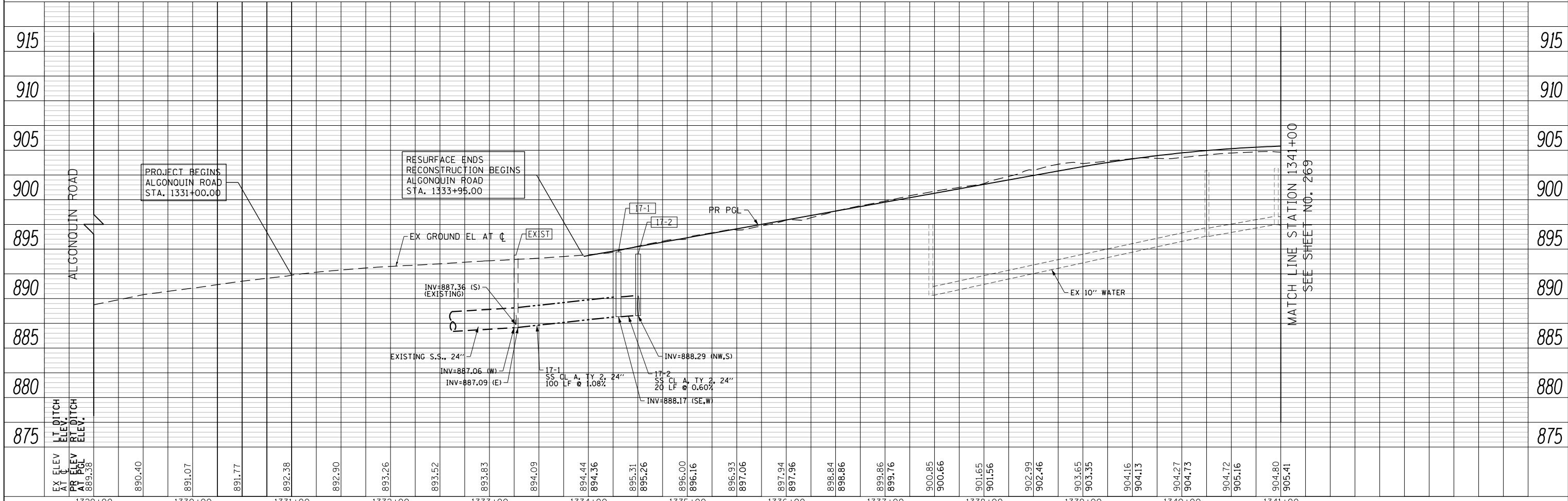


N
↑

MATCH LINE STATION 1341+00
SEE SHEET NO. 269

LEGEND

	PROPOSED PIPE
	PROPOSED STRUCTURE
	STRUCTURE TO BE ADJUSTED
	STRUCTURE TO BE RECONSTRUCTED
	STRUCTURE IDENTIFIED ON OTHER CORRESPONDING SHEET
	PIPE IDENTIFIED ON OTHER CORRESPONDING SHEET



MATCH LINE STATION 1341+00
SEE SHEET NO. 269

USER NAME = mrc155	DESIGNED - JLT	REVISED -
FILENAME = D:\NNNN-sht-Drain-29.dgn	DRAWN - JLT	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - DBB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ALGONQUIN ROAD DRAINAGE PLAN AND PROFILE - LEFT SIDE

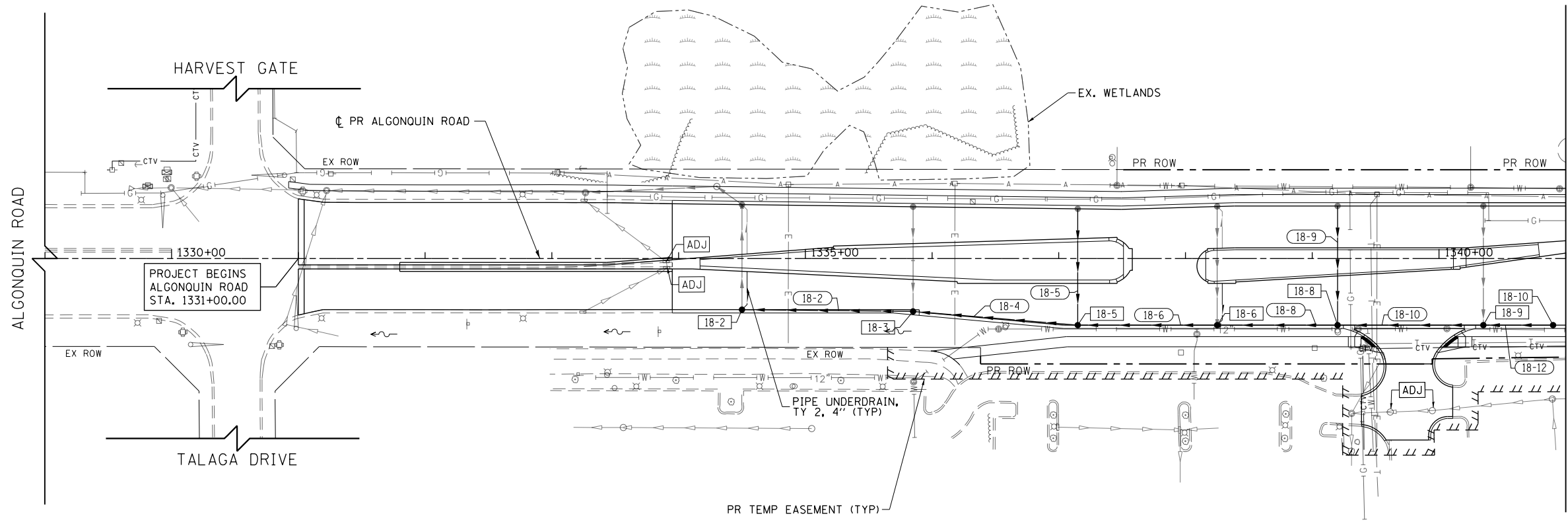
SCALE: 1"=50' HORIZ
1"=5' VERT

SHEET 17 OF 50 SHEETS STA 1329+00 TO STA 1341+00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	267
CONTRACT NO.			61E53	
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	ALIGNED		
	FILED		
	CADD FILE NAME		
	NO.		

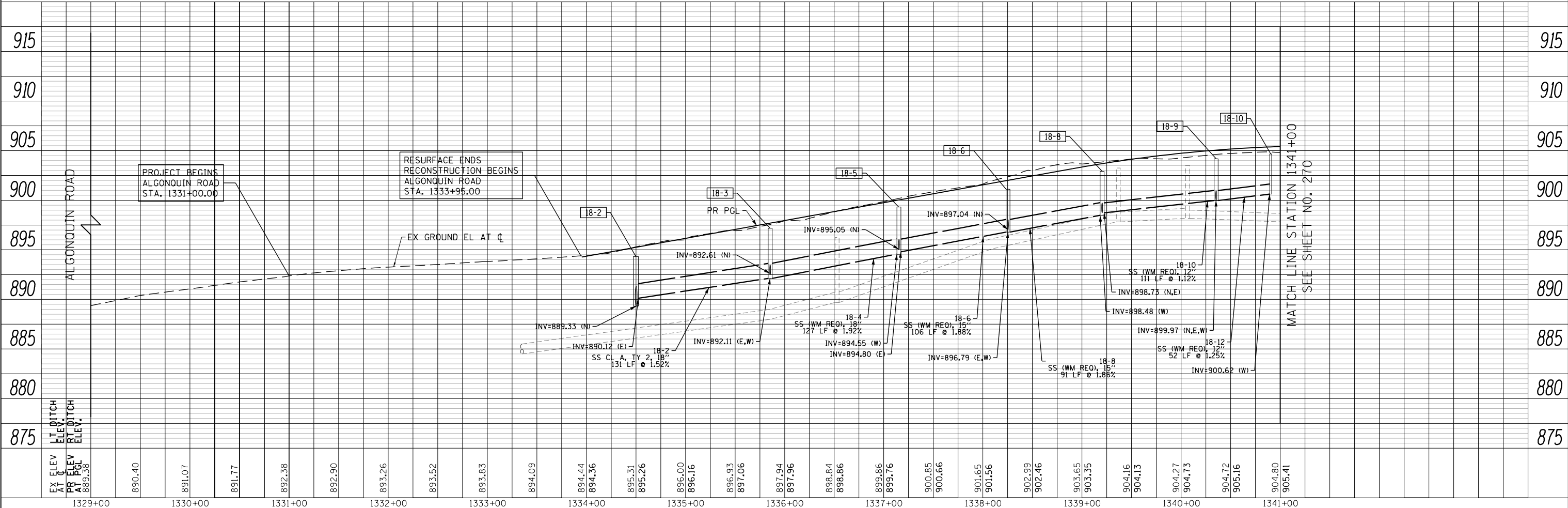
PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	GRADES		
	STRUCTURE		
	NOTATIONS		
	CHKD		
	NO.		



MATCH LINE STATION 1341+00
SEE SHEET NO. 270

LEGEND

- P PROPOSED PIPE
- S PROPOSED STRUCTURE
- A STRUCTURE TO BE ADJUSTED
- R STRUCTURE TO BE RECONSTRUCTED
- STRUCTURE IDENTIFIED ON OTHER CORRESPONDING SHEET
- PIPE IDENTIFIED ON OTHER CORRESPONDING SHEET



MATCH LINE STATION 1341+00
SEE SHEET NO. 270

USER NAME = mrc155	DESIGNED - JLT	REVISED -
FILENAME = D:\NNNN-sht-Drain-30.dgn	DRAWN - JLT	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - DBB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ALGONQUIN ROAD DRAINAGE PLAN AND PROFILE - RIGHT SIDE

SCALE: 1"=50' HORIZ
1"=5' VERT

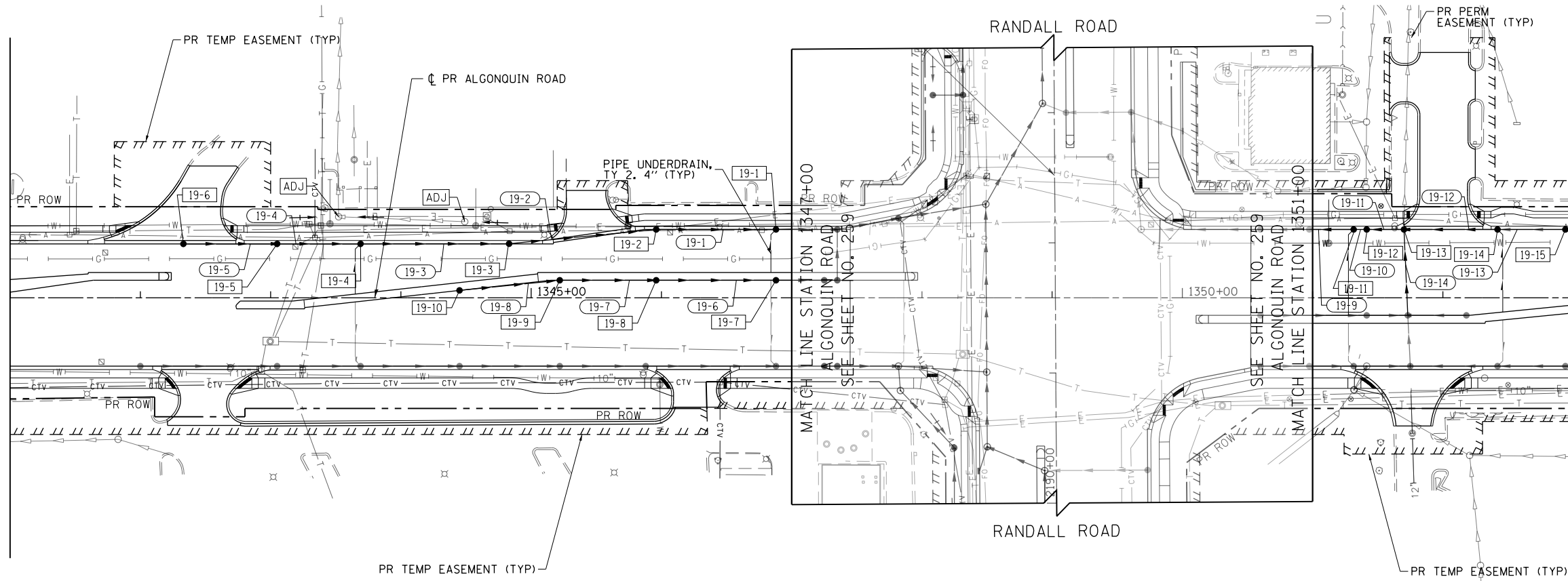
FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	268
CONTRACT NO.			61E53	
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	ALIGNED	
	CAD FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	GRADES CHECKED	BY
	STRUCTURE	
	NOTATIONS OK'D	
	NO.	

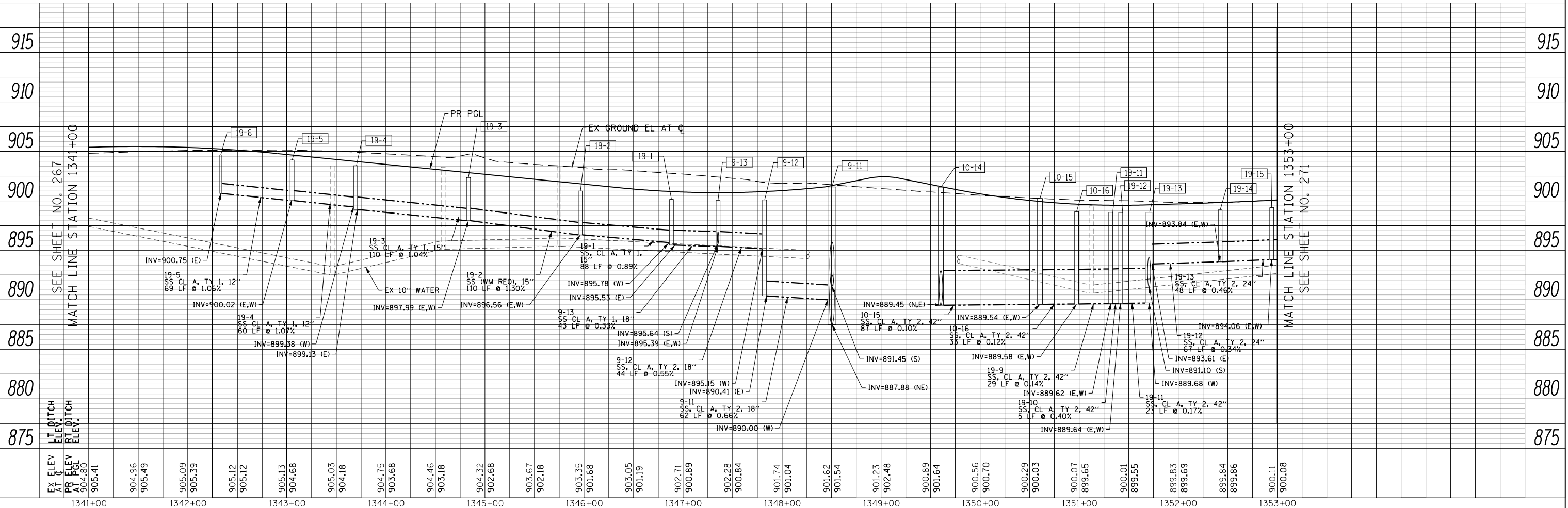


SEE SHEET NO. 267
MATCHLINE STATION 1341+00



MATCH LINE STATION 1353+00
SEE SHEET NO. 271

LEGEND	
	PROPOSED PIPE
	PROPOSED STRUCTURE
	STRUCTURE TO BE ADJUSTED
	STRUCTURE TO BE RECONSTRUCTED
	STRUCTURE IDENTIFIED ON OTHER CORRESPONDING SHEET
	PIPE IDENTIFIED ON OTHER CORRESPONDING SHEET



MATCH LINE STATION 1353+00
SEE SHEET NO. 271

USER NAME = mrc155	DESIGNED - JLT	REVISED -
FILENAME = D:\NNNN-sht-Drain-31.dgn	DRAWN - JLT	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - DBB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALGONQUIN ROAD DRAINAGE PLAN AND PROFILE - LEFT SIDE

SCALE: 1"=50' HORIZ
1"=5' VERT

SHEET 19 OF 50 SHEETS STA 1341+00 TO STA 1353+00

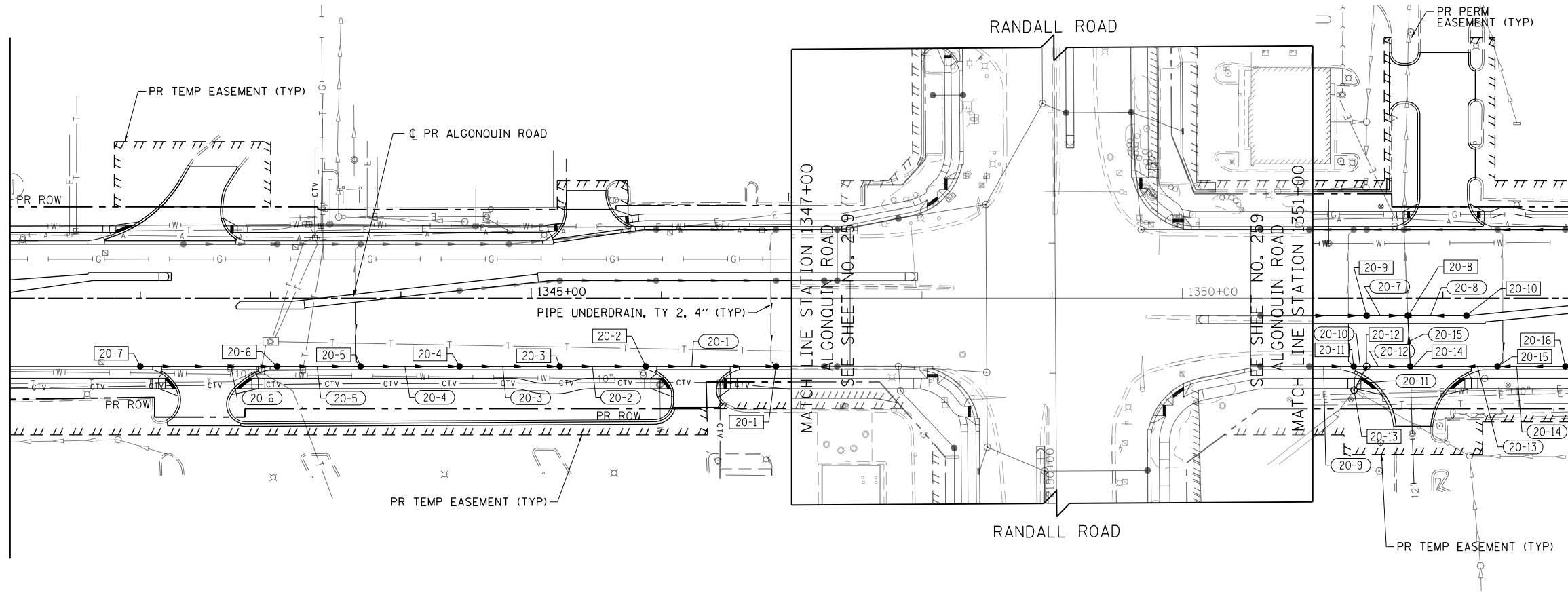
FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	269
CONTRACT NO.			61E53	
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	ALIGNED		
	FILED		
	NO.		

PROFILE	SURVEYED	BY	DATE
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NO.		



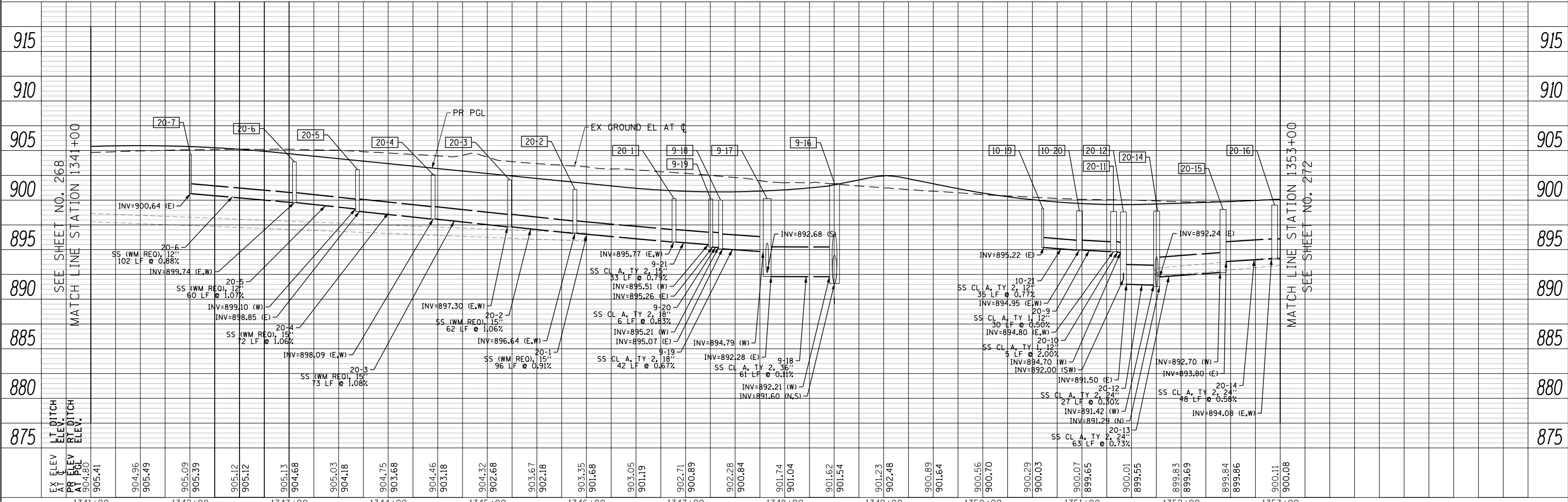
SEE SHEET NO. 268
MATCHLINE STATION 1341+00



MATCH LINE STATION 1353+00
SEE SHEET NO. 272



LEGEND	
	PROPOSED PIPE
	PROPOSED STRUCTURE
	STRUCTURE TO BE ADJUSTED
	STRUCTURE TO BE RECONSTRUCTED
	STRUCTURE IDENTIFIED ON OTHER CORRESPONDING SHEET
	PIPE IDENTIFIED ON OTHER CORRESPONDING SHEET



MATCH LINE STATION 1353+00
SEE SHEET NO. 272

USER NAME = mrc155	DESIGNED - JLT	REVISED -
FILENAME = D:\NNNN-sht-Drain-32.dgn	DRAWN - JLT	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - DBB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALGONQUIN ROAD DRAINAGE PLAN AND PROFILE - RIGHT SIDE

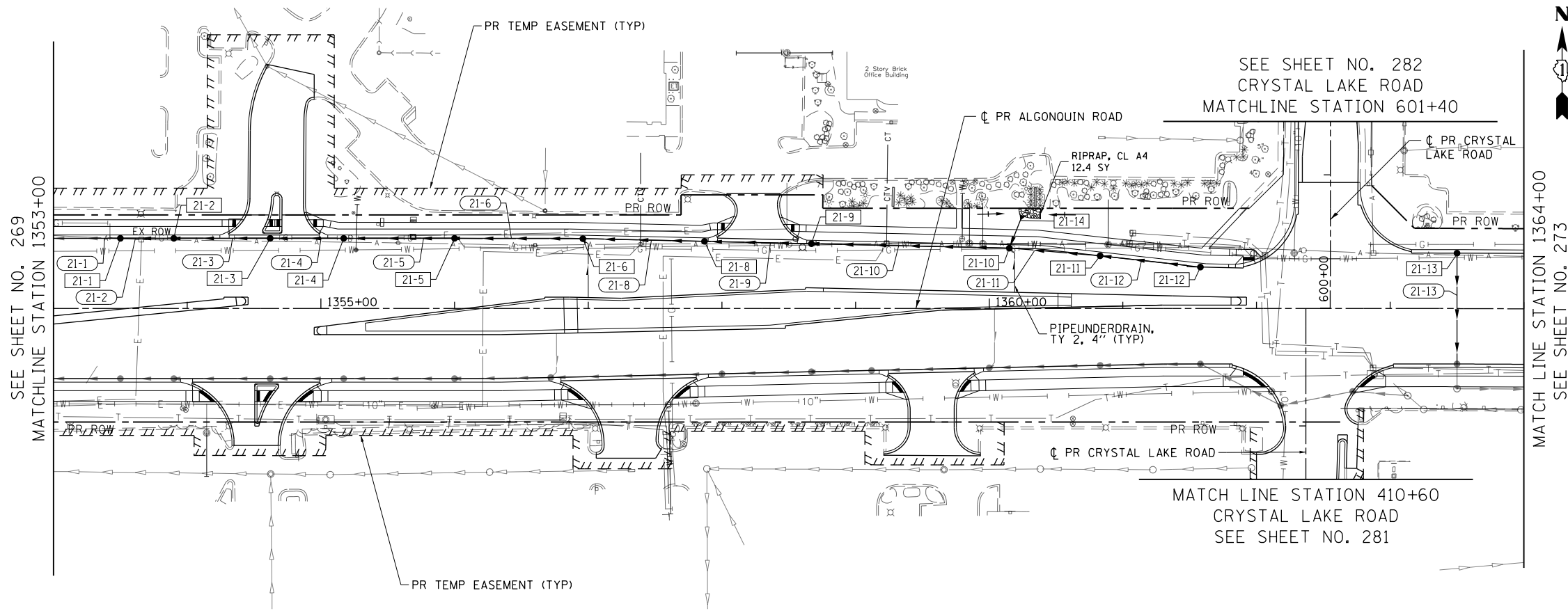
SCALE: 1"=50' HORIZ
1"=5' VERT

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	06-00329-01-PW	MCHENRY	1751	270
CONTRACT NO.			61E53	

ILLINOIS FED. AID PROJECT

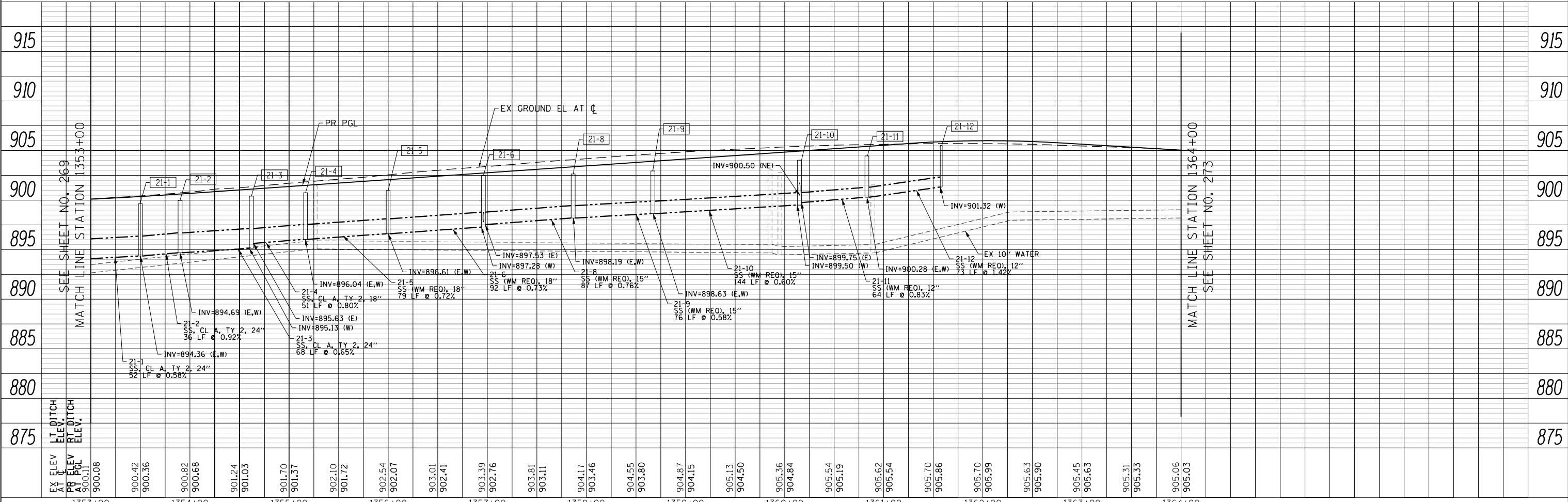
PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	GRADES CHECKED	BY
	STRUCTURE	
	NOTATRS CHKD	
	NO.	



LEGEND

- E-W PROPOSED PIPE
- S-S PROPOSED STRUCTURE
- ADJ STRUCTURE TO BE ADJUSTED
- REC STRUCTURE TO BE RECONSTRUCTED
- STRUCTURE IDENTIFIED ON OTHER CORRESPONDING SHEET
- PIPE IDENTIFIED ON OTHER CORRESPONDING SHEET



USER NAME = mrc155	DESIGNED - JLT	REVISED -
FILENAME = D:\NNNN-sht-Drain-33.dgn	DRAWN - JLT	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - DBB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ALGONQUIN ROAD DRAINAGE PLAN AND PROFILE - LEFT SIDE

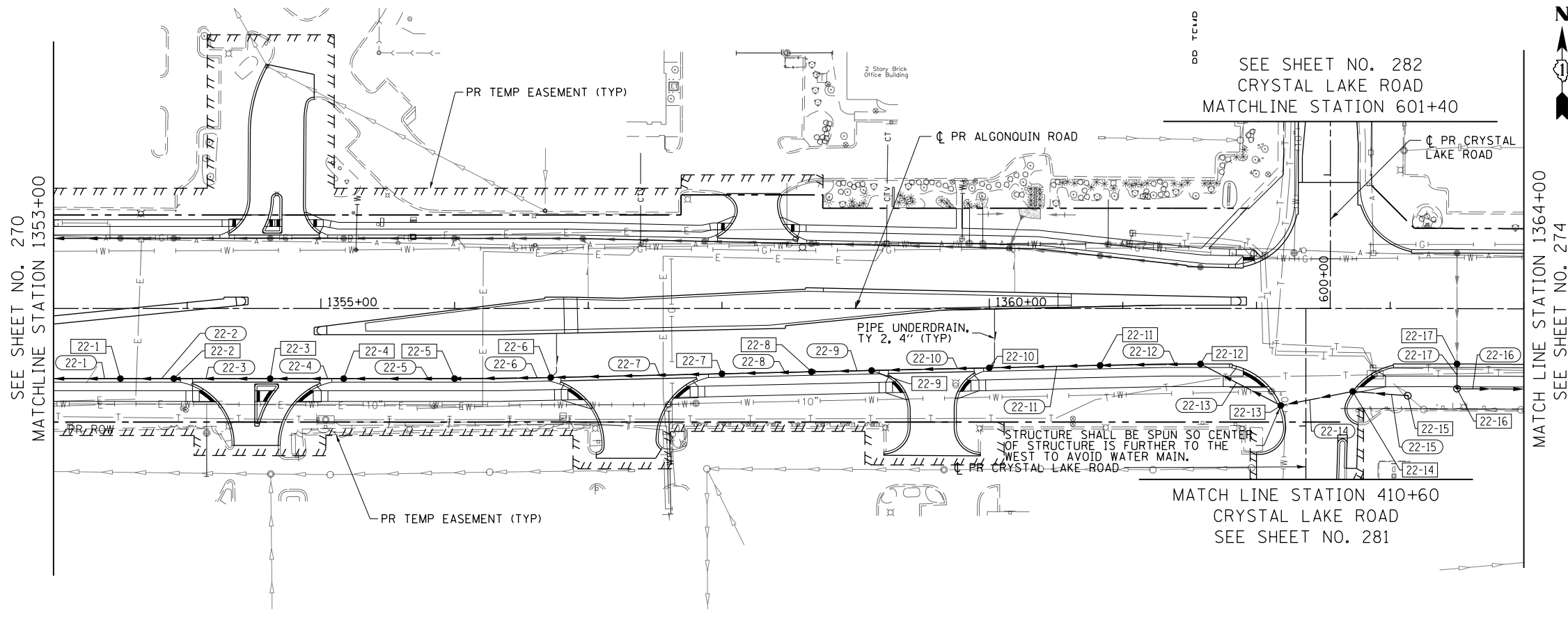
SCALE: 1"=50' HORIZ
1"=5' VERT

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	271
CONTRACT NO.			61E53	
ILLINOIS FED. AID PROJECT				

SHEET 21 OF 50 SHEETS STA 1353+00 TO STA 1364+00

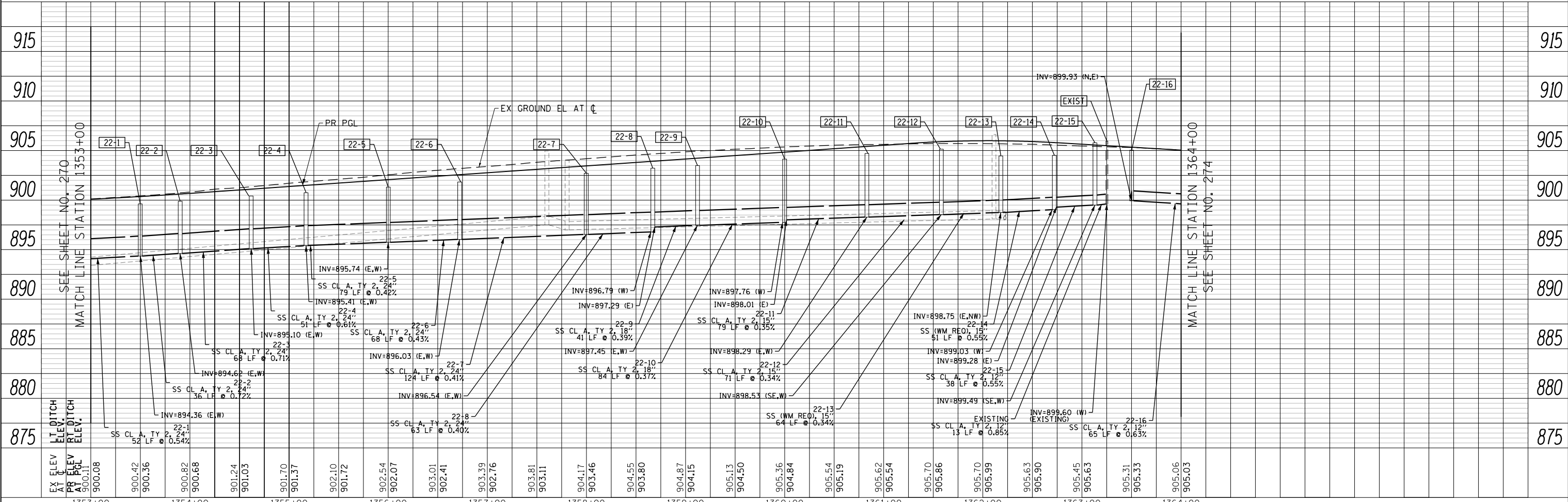
PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	NO. _____		
	FILE NAME		

PROFILE	SURVEYED	BY	DATE
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NO. _____		



LEGEND

- P PROPOSED PIPE
- S PROPOSED STRUCTURE
- ADJ STRUCTURE TO BE ADJUSTED
- REC STRUCTURE TO BE RECONSTRUCTED
- STRUCTURE IDENTIFIED ON OTHER CORRESPONDING SHEET
- PIPE IDENTIFIED ON OTHER CORRESPONDING SHEET



USER NAME = mrc155	DESIGNED - JLT	REVISED -
FILENAME = D:\NNNN\shd-Drain-34.dgn	DRAWN - JLT	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - DBB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ALGONQUIN ROAD DRAINAGE PLAN AND PROFILE - RIGHT SIDE

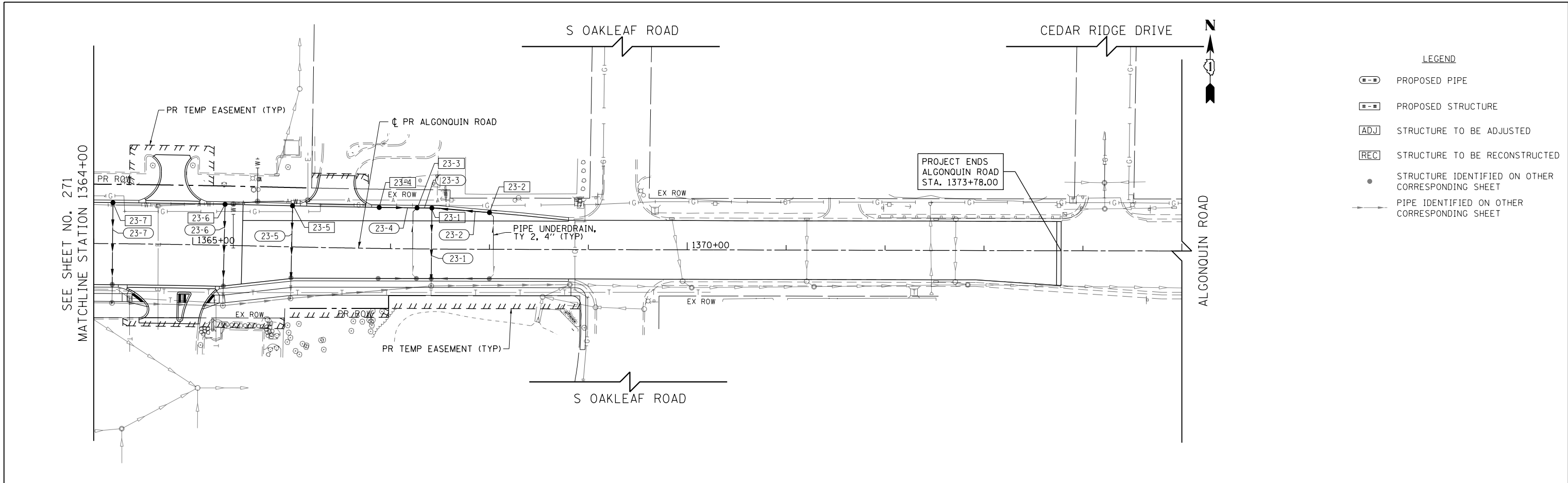
SCALE: 1"=50' HORIZ
1"=5' VERT

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	272
CONTRACT NO.			61E53	

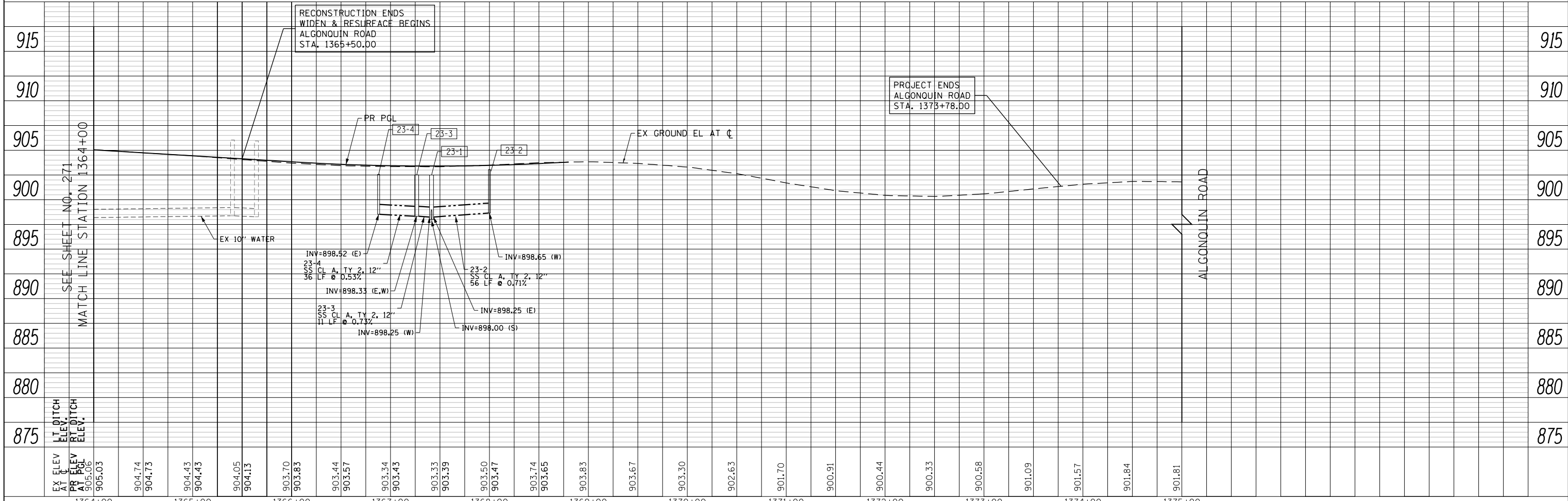
ILLINOIS FED. AID PROJECT

PLAN	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	CHECKED		
	ALIGNED		
	CAD FILE NAME		

PROFILE	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	CHECKED		
	GRADES		
	STRUCTURE		
	NOTATIONS		



LEGEND	
	PROPOSED PIPE
	PROPOSED STRUCTURE
	STRUCTURE TO BE ADJUSTED
	STRUCTURE TO BE RECONSTRUCTED
	STRUCTURE IDENTIFIED ON OTHER CORRESPONDING SHEET
	PIPE IDENTIFIED ON OTHER CORRESPONDING SHEET



EX ELEV AT CL	905.03	904.74	904.73	904.43	904.43	904.05	904.13	903.70	903.83	903.44	903.57	903.34	903.43	903.33	903.39	903.50	903.47	903.74	903.65	903.83	903.67	903.30	902.63	901.70	900.91	900.44	900.33	900.58	901.09	901.57	901.84	901.81						
PR ELEV AT PGL	905.06																																					
LT. DITCH ELEV. AT PGL																																						
RT. DITCH ELEV. AT PGL																																						

USER NAME =	mrc1ss	DESIGNED -	JLT	REVISED -	
FILENAME =	D:\NNNN\shd-Drain-35.dgn	DRAWN -	JLT	REVISED -	
PLOT SCALE =	100.0000' / 1in.	CHECKED -	DBB	REVISED -	
PLOT DATE =	4/25/2018	DATE -	4-26-2018	REVISED -	

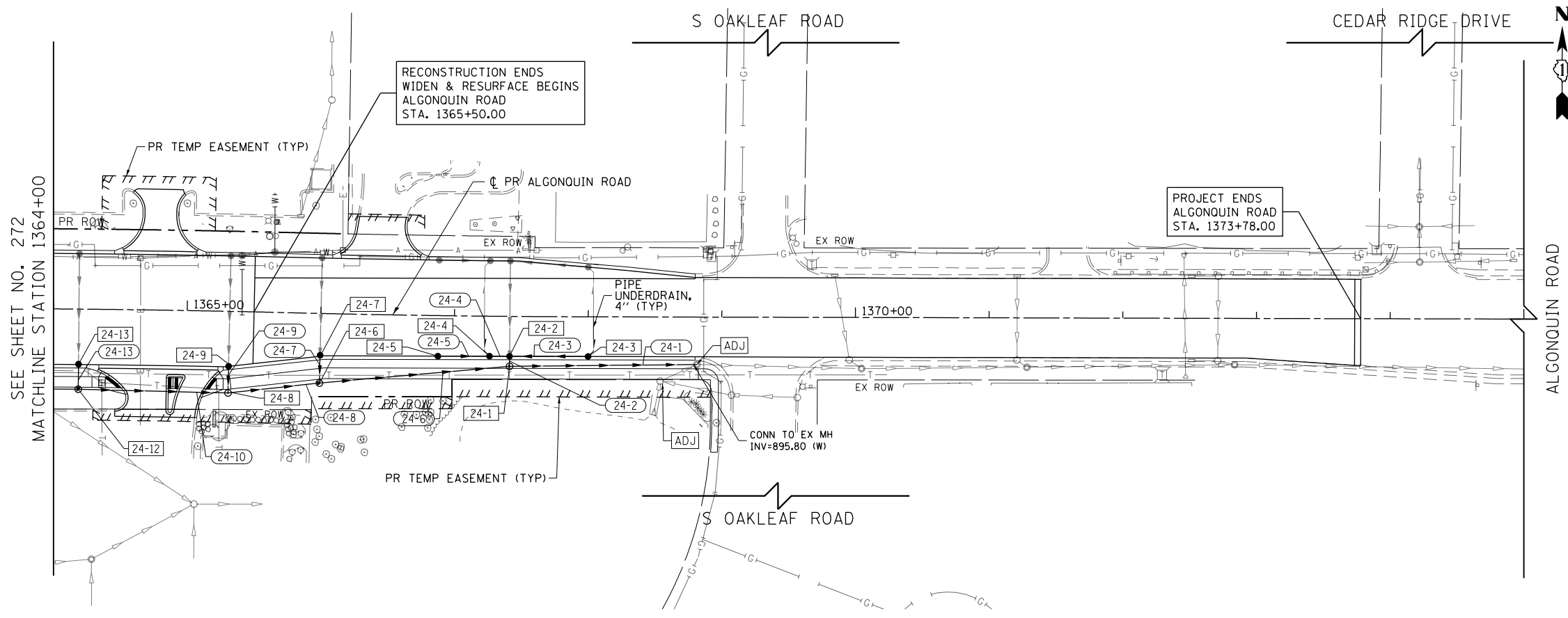
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALGONQUIN ROAD DRAINAGE PLAN AND PROFILE - LEFT SIDE
SCALE: 1"=50' HORIZ 1"=5' VERT SHEET 23 OF 50 SHEETS STA 1364+00 TO STA 1375+00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	273
CONTRACT NO.			61E53	
ILLINOIS FED. AID PROJECT				

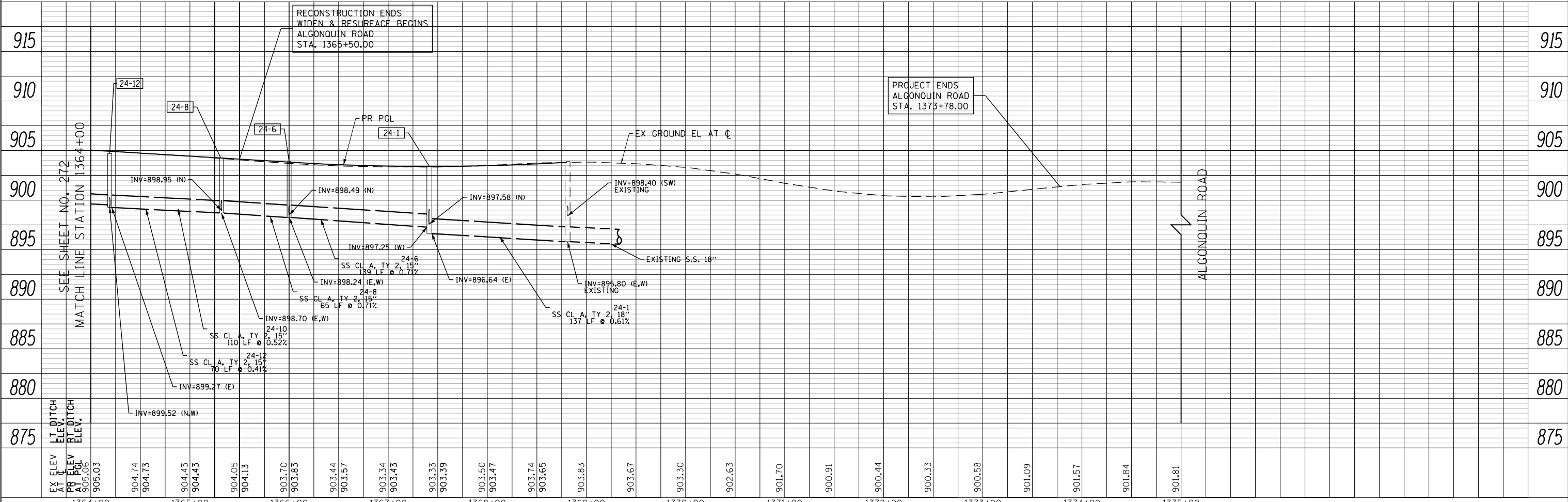
PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	FILED		
	NO. _____		

PROFILE	SURVEYED	BY	DATE
	GRADES CHECKED		
	STRUCTURE NOTATIONS OK'D		
	NO. _____		



LEGEND

- P PROPOSED PIPE
- S PROPOSED STRUCTURE
- ADJ STRUCTURE TO BE ADJUSTED
- REC STRUCTURE TO BE RECONSTRUCTED
- STRUCTURE IDENTIFIED ON OTHER CORRESPONDING SHEET
- PIPE IDENTIFIED ON OTHER CORRESPONDING SHEET



USER NAME = mrc155	DESIGNED - JLT	REVISED -
FILENAME = D:\NNNN-sht-Drain-36.dgn	DRAWN - JLT	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - DBB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ALGONQUIN ROAD DRAINAGE PLAN AND PROFILE - RIGHT SIDE

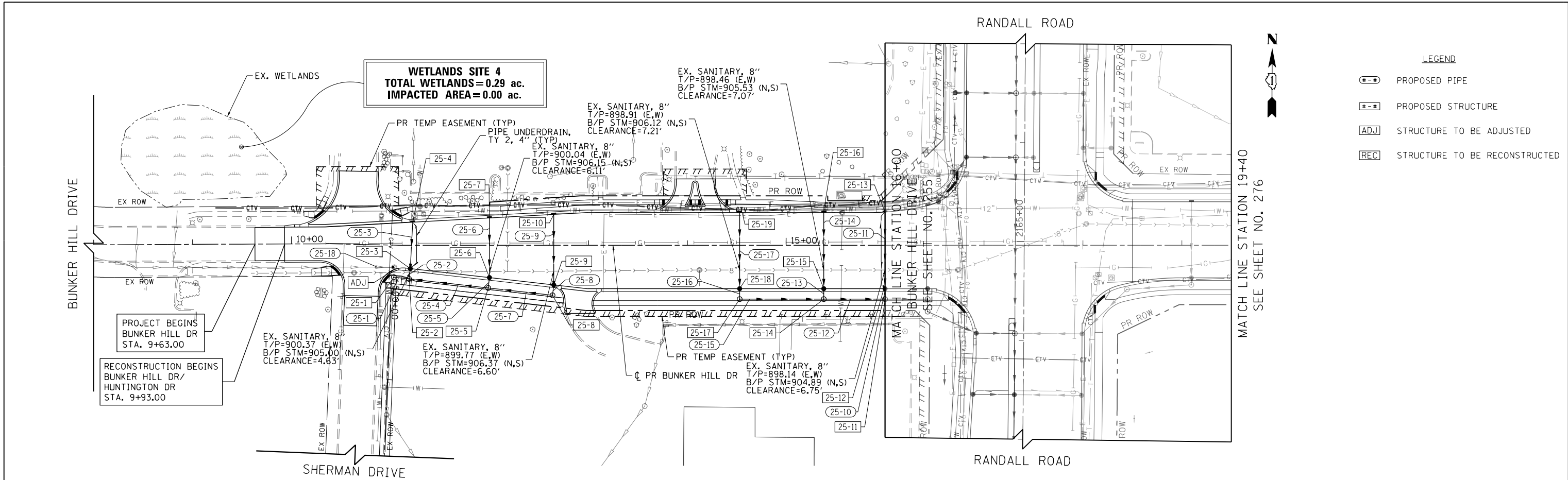
SCALE: 1"=50' HORIZ
1"=5' VERT

SHEET 24 OF 50 SHEETS STA 1364+00 TO STA 1375+00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	274
			CONTRACT NO.	61E53
ILLINOIS FED. AID PROJECT				

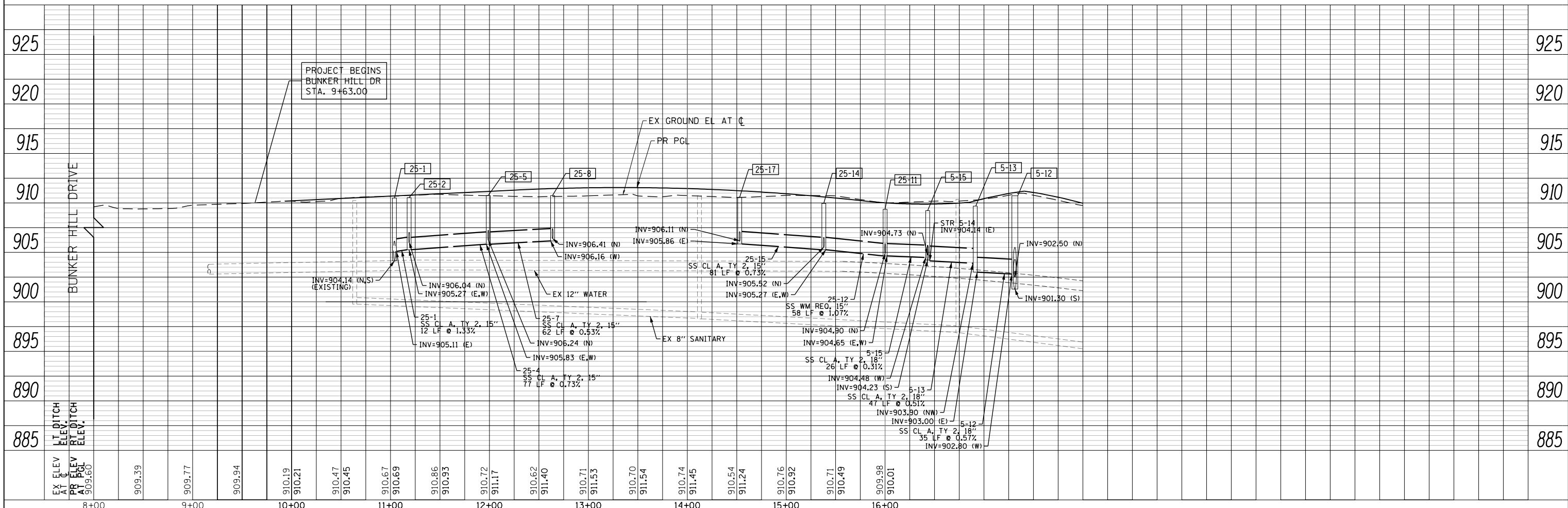
PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	ALIGNED	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	GRADES	
	STRUCTURE	
	NOTATIONS	
	CHPO	
	NO.	



LEGEND

	PROPOSED PIPE
	PROPOSED STRUCTURE
	STRUCTURE TO BE ADJUSTED
	STRUCTURE TO BE RECONSTRUCTED



USER NAME = mrc155	DESIGNED - JLT	REVISED -
FILENAME = D:\NNNN-sht-Drain-37.dgn	DRAWN - JLT	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - DBB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUNKER HILL DRIVE DRAINAGE PLAN AND PROFILE

SCALE: 1"=50' HORIZ
1"=5' VERT SHEET 25 OF 50 SHEETS STA 8+00 TO STA 16+00.00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	275
CONTRACT NO.			61E53	
ILLINOIS FED. AID PROJECT				

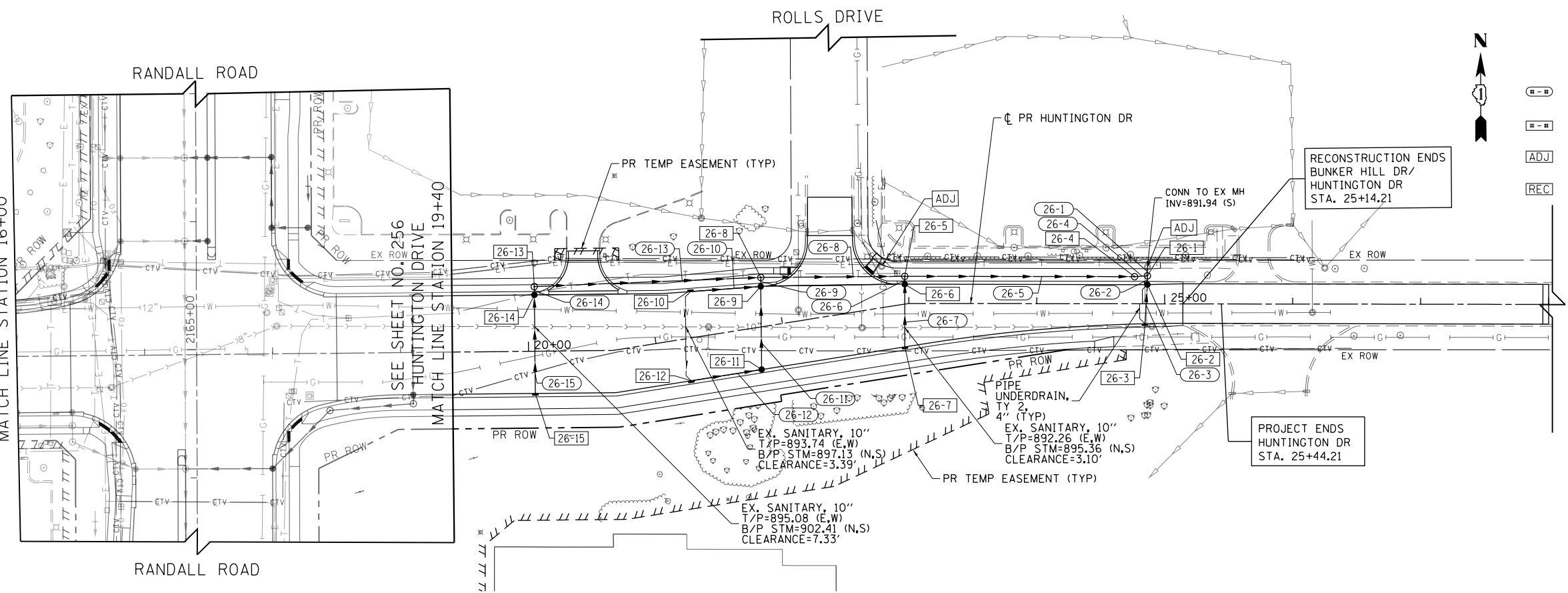
PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	ALIGNED		
	FILED		
	NO.		

PROFILE	SURVEYED	BY	DATE
	GRADES		
	CHECKED		
	STRUCTURE		
	NOTATIONS		
	CHKD		
	NO.		



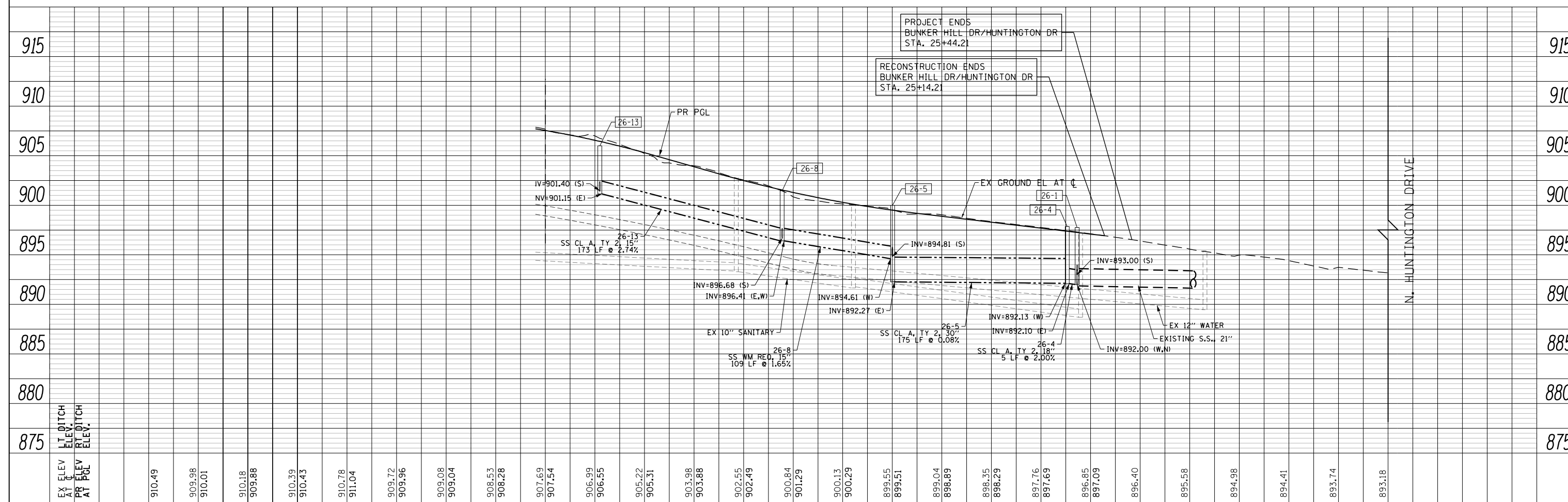
SEE SHEET NO. 275
HUNTINGTON DRIVE
MATCH LINE STATION 16+00

SEE SHEET NO. 256
HUNTINGTON DRIVE
MATCH LINE STATION 19+40



LEGEND

	PROPOSED PIPE
	PROPOSED STRUCTURE
	STRUCTURE TO BE ADJUSTED
	STRUCTURE TO BE RECONSTRUCTED



EX ELEV AT C	910.49	910.18	910.39	910.78	909.72	909.08	908.53	907.69	905.22	903.98	902.55	900.84	900.13	899.55	899.04	898.35	897.76	896.85	896.40	895.58	894.98	894.41	893.74	893.18	915	
PR ELEV AT PGL	909.98	909.88	910.43	911.04	909.96	909.04	908.28	907.54	905.31	903.88	902.49	901.29	900.29	899.51	898.89	898.29	897.69	897.09	896.40	895.58	894.98	894.41	893.74	893.18	910	
																									905	
																										900
																										895
																										890
																										885
																										880
																										875

USER NAME = mrc155	DESIGNED - JLT	REVISED -
FILENAME = D:\N\N\N\sh-t-Drain-38.dgn	DRAWN - JLT	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - DBB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HUNTINGTON DRIVE DRAINAGE PLAN AND PROFILE
SCALE: 1"=50' HORIZ
1"=5' VERT
SHEET 26 OF 50 SHEETS
STA 20+00 TO STA 28+00

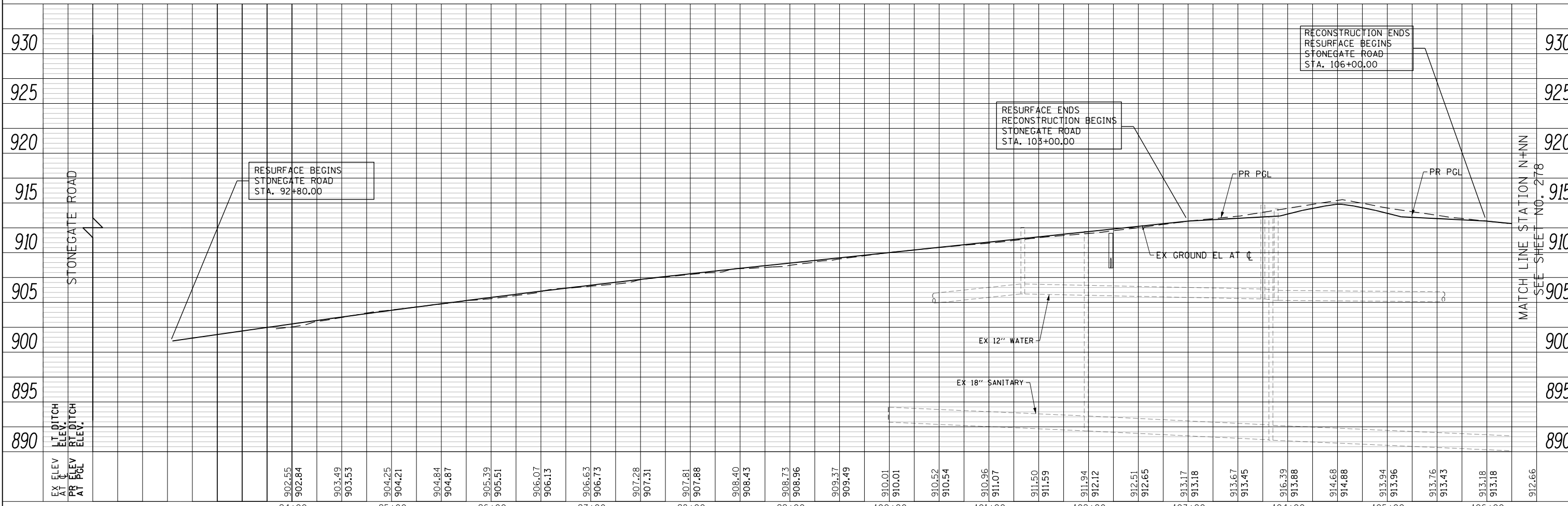
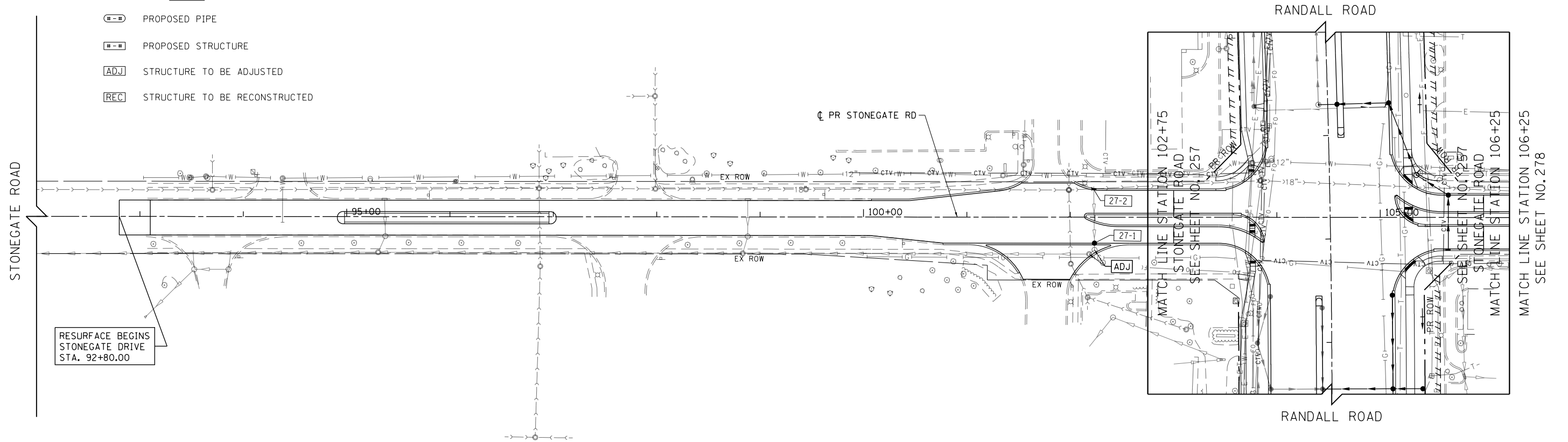
FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	276
CONTRACT NO.			61E53	
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	ALIGNED		
	FILED		
	CADD FILE NAME		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	GRADES		
	STRUCTURE		
	NOT AT THIS OFFICE		
	NO.		



- LEGEND**
- P - **PROPOSED PIPE**
 - S - **PROPOSED STRUCTURE**
 - ADJ - **STRUCTURE TO BE ADJUSTED**
 - REC - **STRUCTURE TO BE RECONSTRUCTED**



USER NAME = mrc1ss	DESIGNED - JLT	REVISED -
FILENAME = D:\NNNN\shd-Drain-39.dgn	DRAWN - JLT	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - DBB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STONEGATE ROAD DRAINAGE PLAN AND PROFILE

SCALE: 1"=50' HORIZ
1"=5' VERT

SHEET 27 OF 50 SHEETS STA 92+00 TO STA 106+25

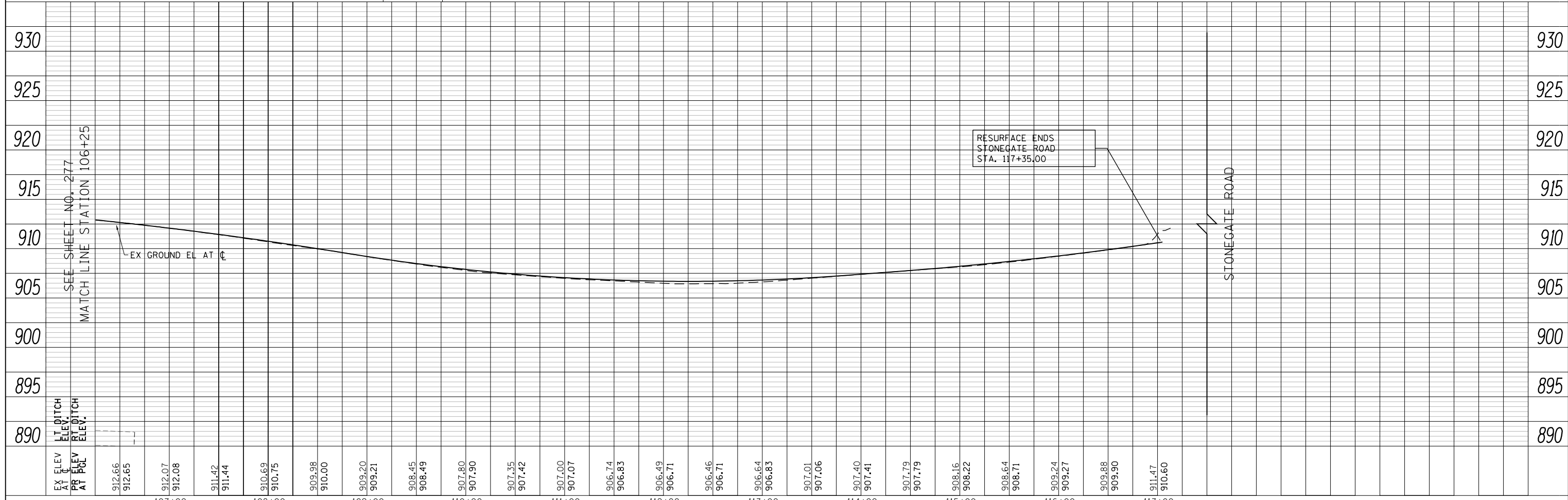
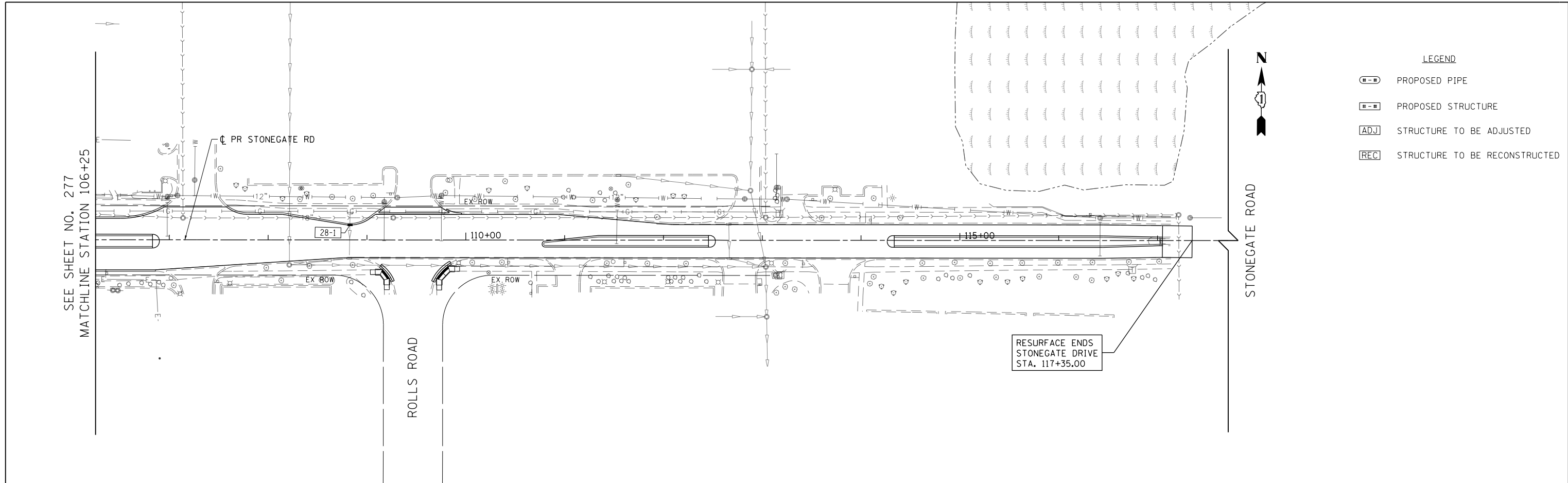
FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	277
CONTRACT NO.			61E53	
ILLINOIS FED. AID PROJECT				

MATCH LINE STATION N+NN
SEE SHEET NO. 278

MATCH LINE STATION 106+25
SEE SHEET NO. 278

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	FILE NAME		
	NO.		

PROFILE	SURVEYED	BY	DATE
	GRADES CHECKED		
	STRUCTURE		
	NOTATIS CHKD		
	NO.		



EX ELEV AT C	912.66	912.07	911.42	910.69	909.98	909.20	908.45	907.80	907.35	907.00	906.74	906.49	906.46	906.64	907.01	907.40	907.79	908.16	908.64	909.24	909.88	911.47	930	
PR ELEV AT PGL	912.65	912.08	911.44	910.75	910.00	909.21	908.49	907.90	907.42	907.07	906.83	906.71	906.71	906.83	907.06	907.41	907.79	908.22	908.71	909.27	909.90	910.60	925	
LT DITCH ELEV.																							920	
RT DITCH ELEV.																								915
																								910
																								905
																								900
																								895
																								890

USER NAME = mrc155	DESIGNED - JLT	REVISED -
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PLOT SCALE = 100.0000' / in.	CHECKED - DBB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STONEGATE ROAD DRAINAGE PLAN AND PROFILE

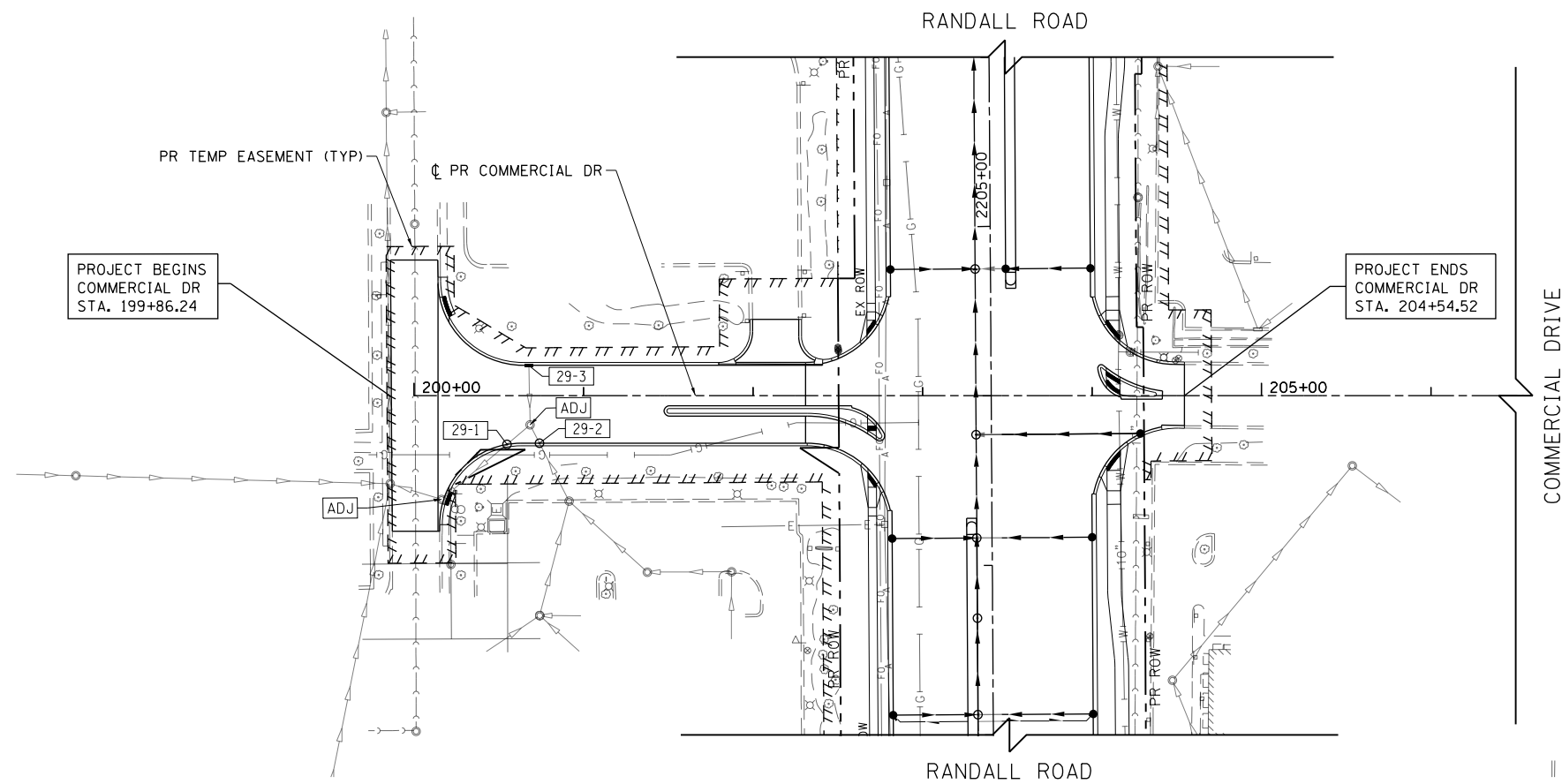
SCALE: 1"=50' HORIZ
1"=5' VERT SHEET 28 OF 50 SHEETS STA 106+25 TO STA 117+00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	278
CONTRACT NO.			61E53	
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	ALIGNED	
	FILED	
NOTE BOOK NO.	CADD FILE NAME	

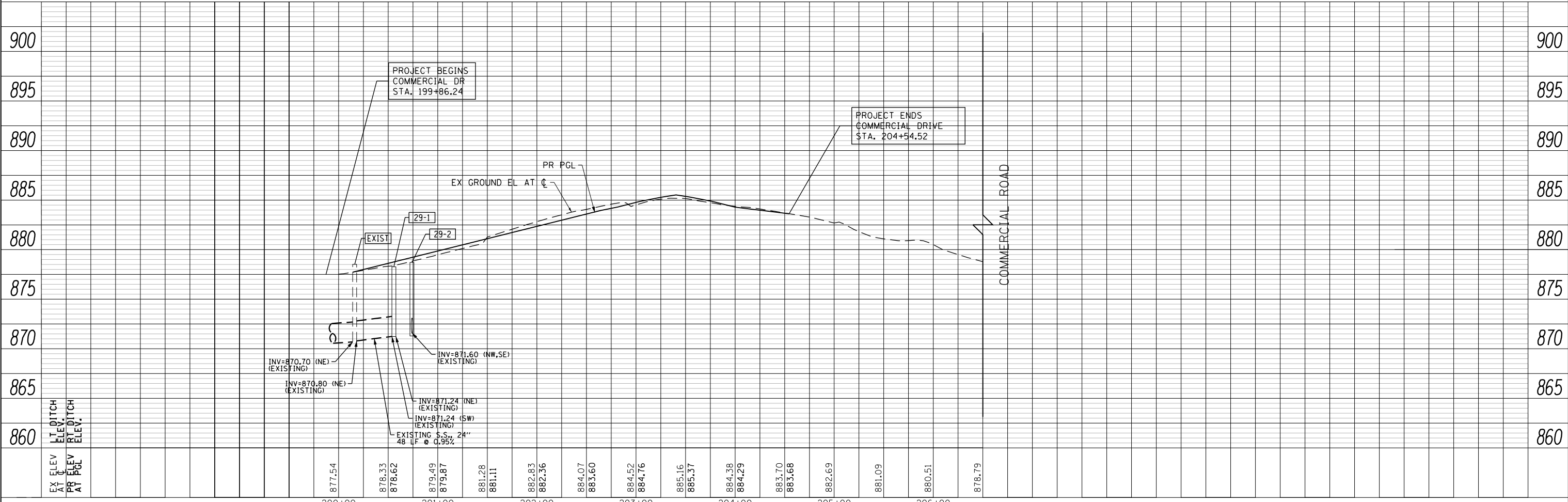
PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	GRADES	
	STRUCTURE	
NOTE BOOK NO.	NOTATIS CHKD	

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS



LEGEND

	PROPOSED PIPE
	PROPOSED STRUCTURE
	STRUCTURE TO BE ADJUSTED
	STRUCTURE TO BE RECONSTRUCTED



EX ELEV AT C	877.54	878.33	878.62	879.49	879.87	881.28	881.11	882.83	882.36	884.07	883.60	884.52	884.76	885.16	885.37	884.38	884.29	883.70	883.68	882.69	881.09	880.51	878.79	900
PR ELEV AT PGL																								900
	200+00	201+00	202+00	203+00	204+00	205+00	206+00																	

USER NAME = mrc1ss	DESIGNED - JLT	REVISED -
FILENAME = D:\NNNN\shd-Drain-40.dgn	DRAWN - JLT	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - DBB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

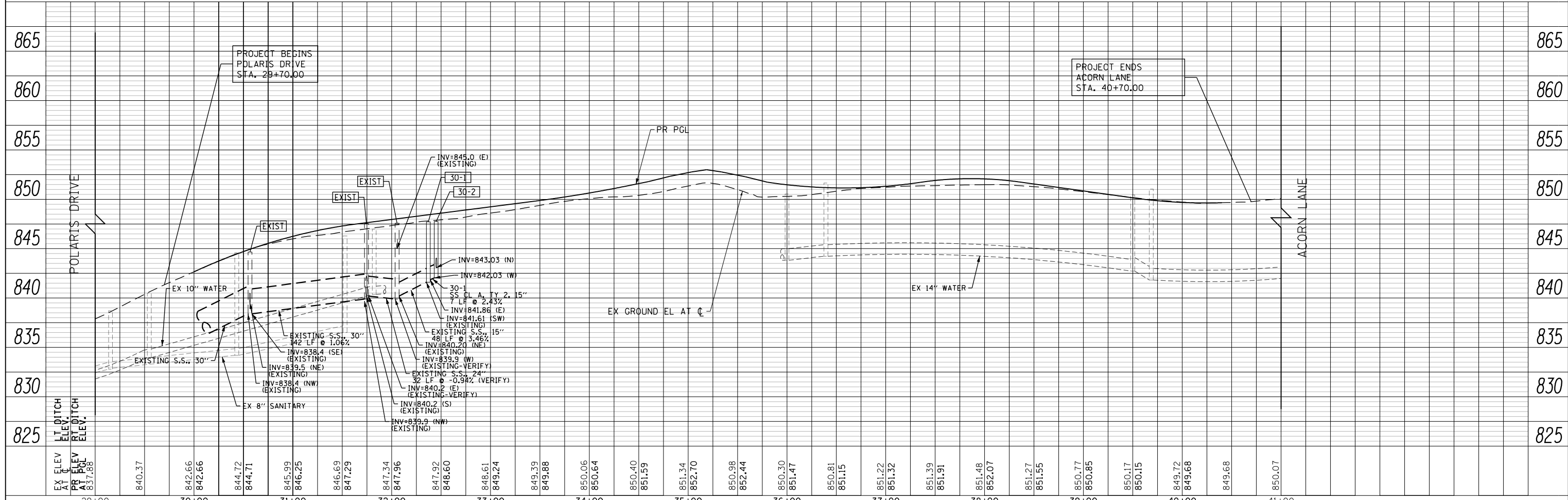
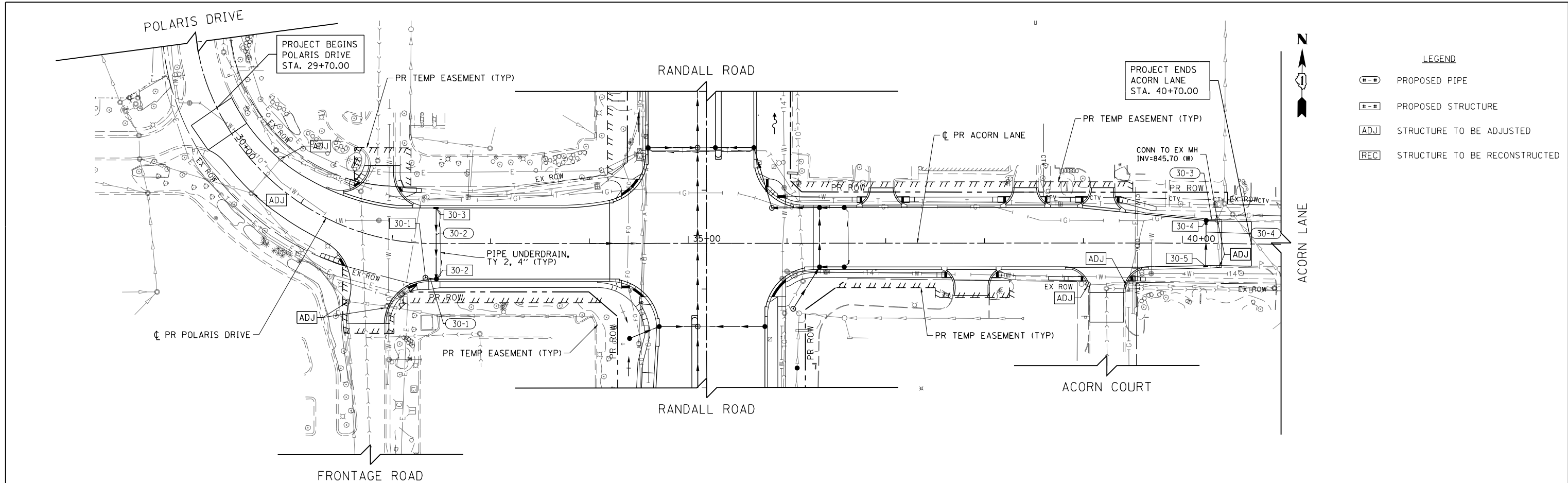
COMMERCIAL DRIVE DRAINAGE PLAN AND PROFILE

SCALE: 1"=50' HORIZ
1"=5' VERT

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	279
CONTRACT NO.			61E53	
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO.	



EX ELEV AT C	840.37	842.66	844.72	845.99	846.69	847.34	847.96	849.39	850.06	850.40	851.34	850.98	850.30	850.81	851.22	851.39	851.48	850.77	850.17	849.72	849.68	850.07
PR ELEV AT PGL	837.88																					
LT DITCH ELEV.																						
RT DITCH ELEV.																						

USER NAME = mrc155	DESIGNED - JLT	REVISED -
FILENAME = D:\NNNN-sht-Drain-41.dgn	DRAWN - JLT	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - DBB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

POLARIS DRIVE /ACORN LANE DRAINAGE PLAN AND PROFILE

SCALE: 1"=50' HORIZ
1"=5' VERT

SHEET 30 OF 50 SHEETS STA 8+00 TO STA 17+40.64

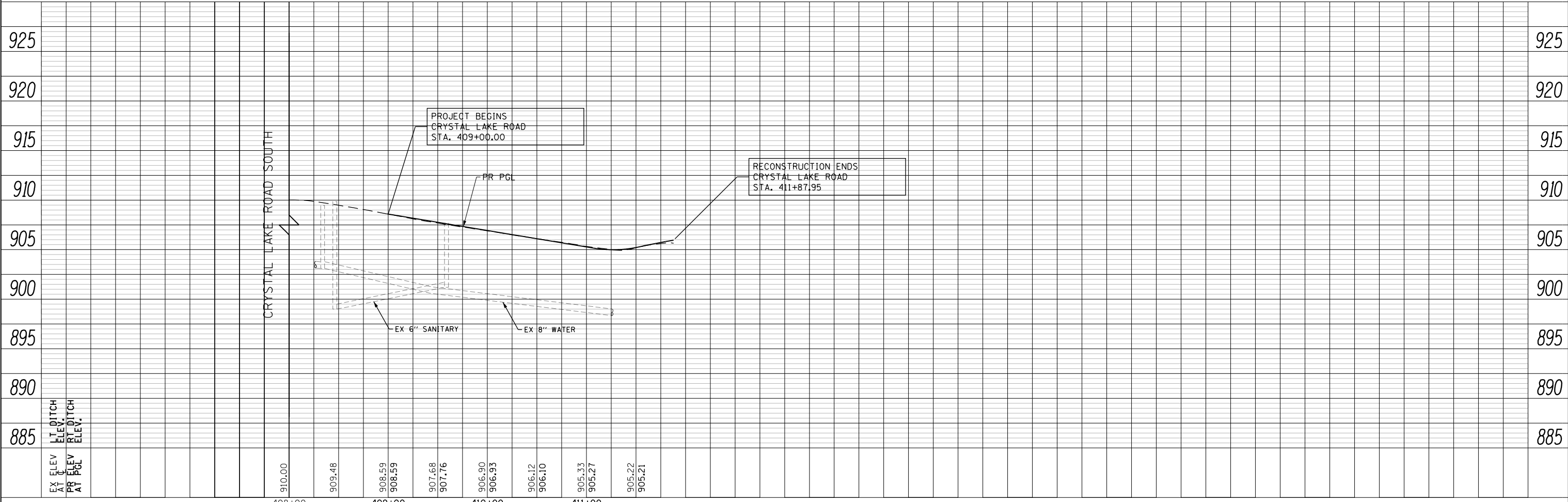
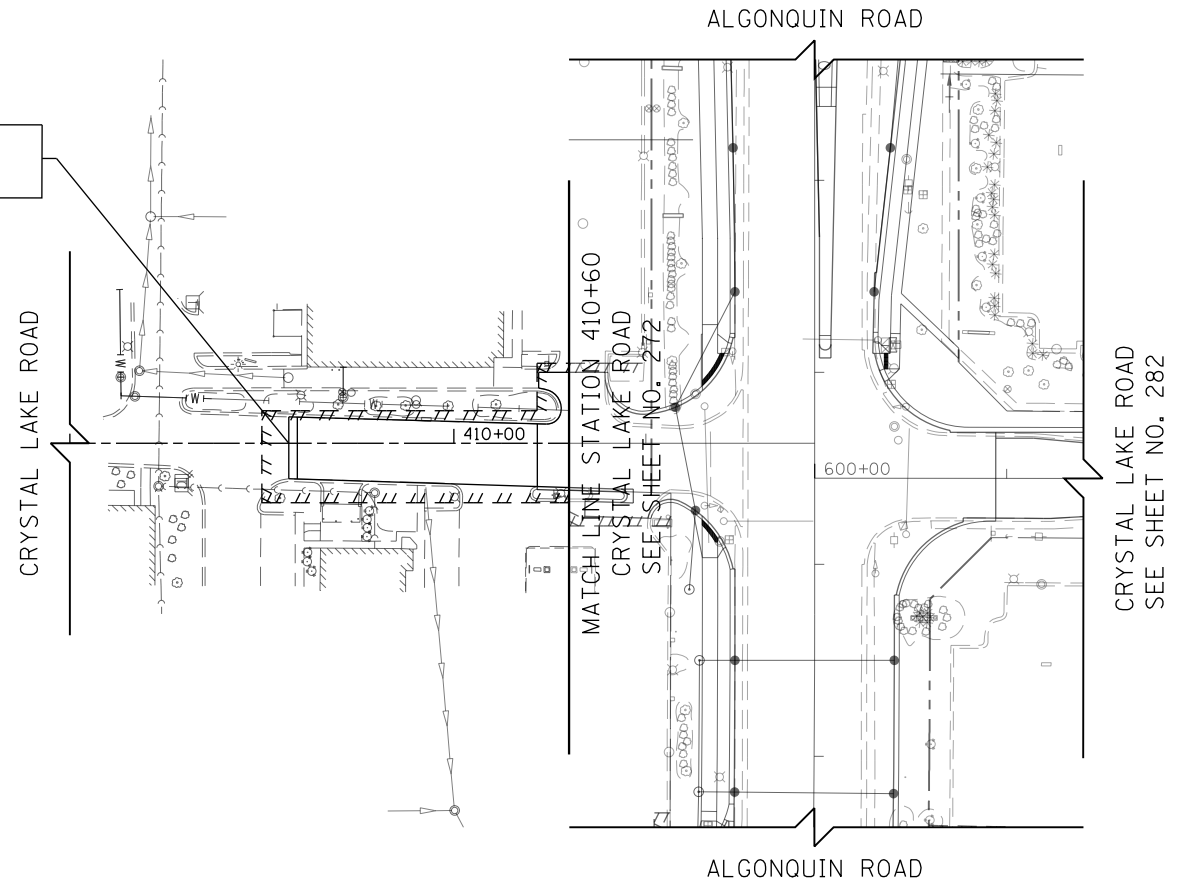
FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	280
CONTRACT NO.			61E53	
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	CHECKED		
	ALIGNMENT		
	STRUCTURE		
	CADD FILE NAME		

PROFILE	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	CHECKED		
	GRADES		
	STRUCTURE		
	NOTATIONS		



PROJECT BEGINS
CRYSTAL LAKE ROAD
STA. 409+00.00



USER NAME = mrc1ss	DESIGNED - JLT	REVISED -
FILENAME = D:\NNNN-sht-Drain-42.dgn	DRAWN - JLT	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - DBB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

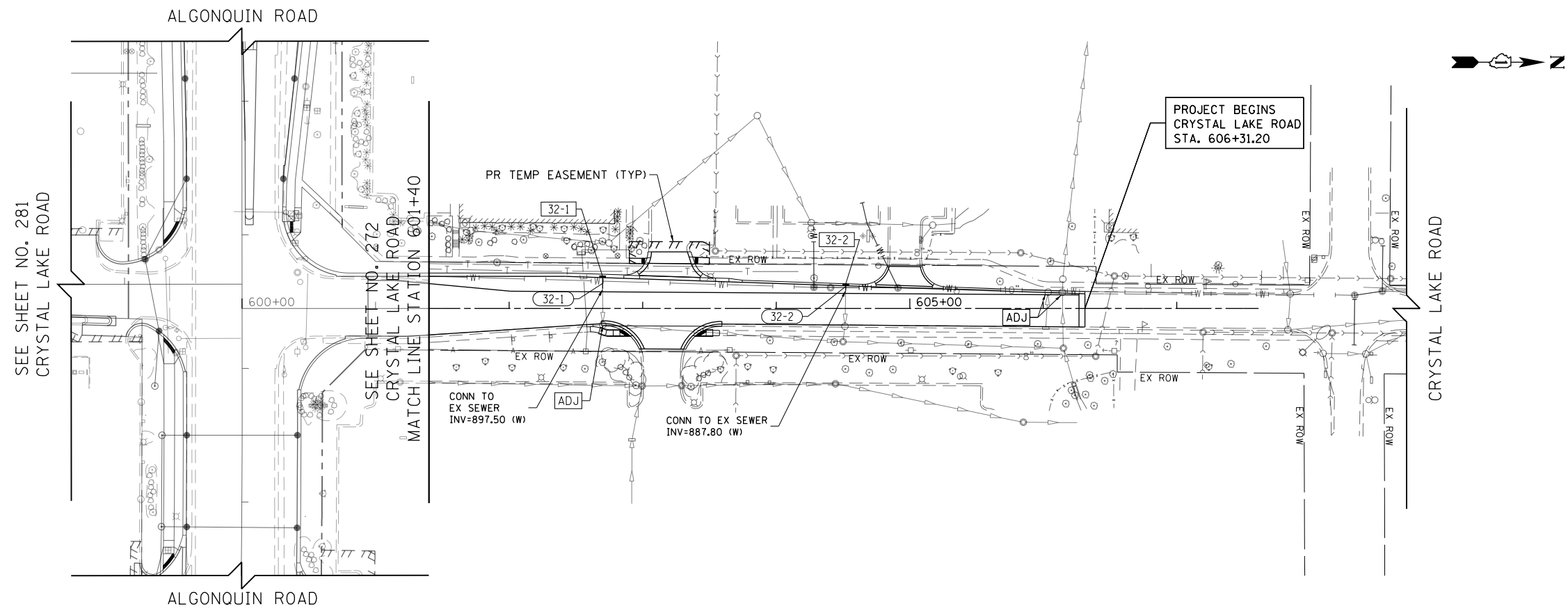
CRYSTAL LAKE ROAD DRAINAGE PLAN AND PROFILE

SCALE: 1"=50' HORIZ
1"=5' VERT SHEET 31 OF 50 SHEETS STA 408+00 TO STA 411+87.95

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	281
CONTRACT NO.			61E53	
ILLINOIS FED. AID PROJECT				

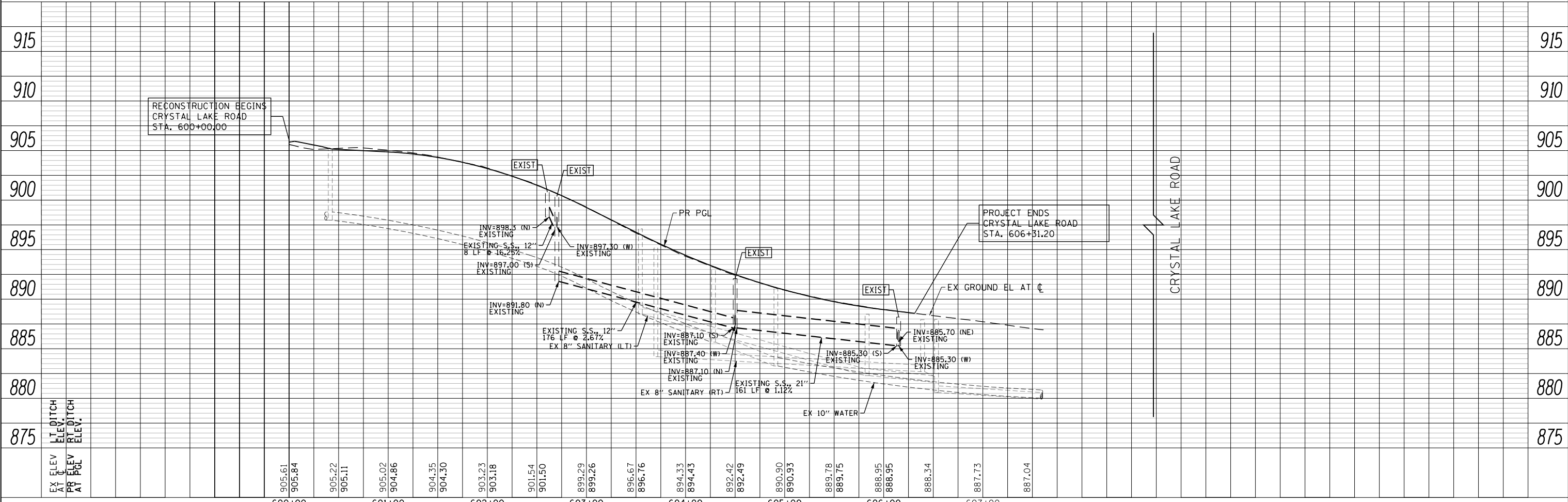
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	PLOTTED		
	NOTE BOOK		
	CHECKED		
	FILE NAME		

PROFILE	SURVEYED	BY	DATE
	GRADES CHECKED		
	STRUCTURE		
	NOTATIONS CHKD		



LEGEND

	PROPOSED PIPE
	PROPOSED STRUCTURE
	STRUCTURE TO BE ADJUSTED
	STRUCTURE TO BE RECONSTRUCTED



EX ELEV AT C	905.61	905.84	905.22	905.11	905.02	904.86	904.35	904.30	903.23	903.18	901.54	901.50	899.29	899.26	896.67	896.76	894.33	894.43	892.42	892.19	890.90	890.93	889.78	889.75	888.95	888.95	888.34	887.73	887.04
PR ELEV AT PGL																													
	600+00	601+00	602+00	603+00	604+00	605+00	606+00	607+00																					

USER NAME = mrc1ss	DESIGNED - JLT	REVISED -
FILENAME = D:\NNNN\shd-Drain-43.dgn	DRAWN - JLT	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - DBB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CRYSTAL LAKE ROAD DRAINAGE PLAN AND PROFILE

SCALE: 1"=50' HORIZ
1"=5' VERT SHEET 32 OF 50 SHEETS STA 600+00 TO STA 607+50

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	282
CONTRACT NO.			61E53	

ILLINOIS FED. AID PROJECT

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	ALIGNED		
	FILED		
	CADD FILE NAME		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	GRADES		
	STRUCTURE		
	NOTATIONS		
	CHKD		
	NO.		

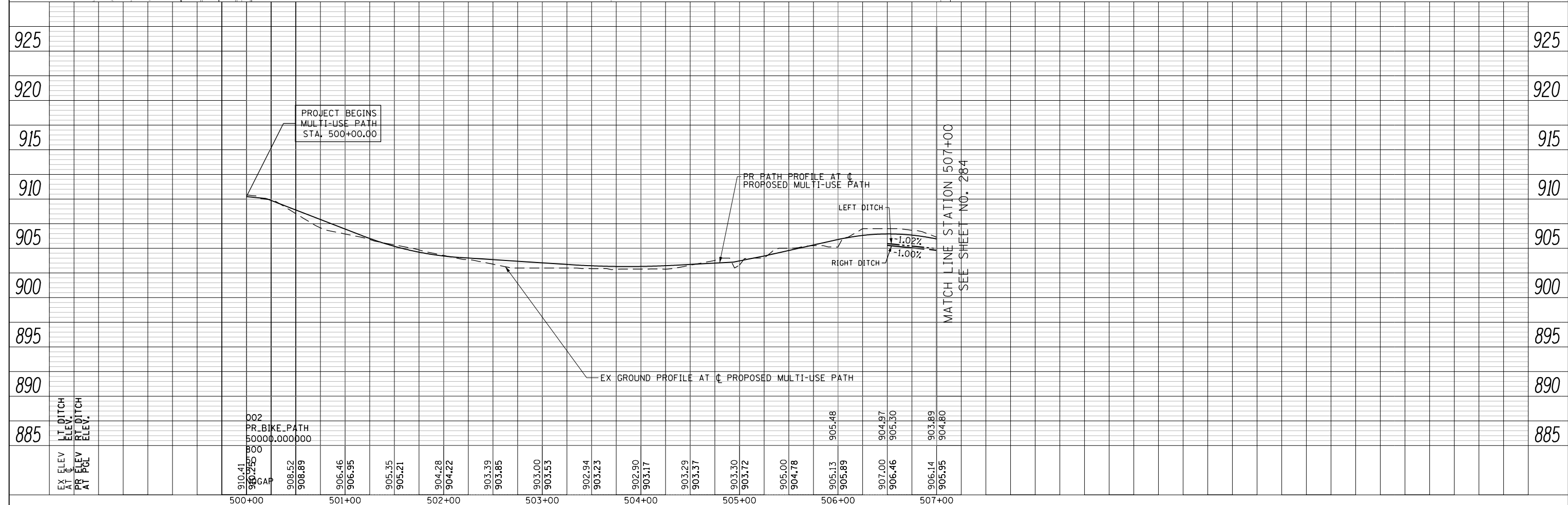
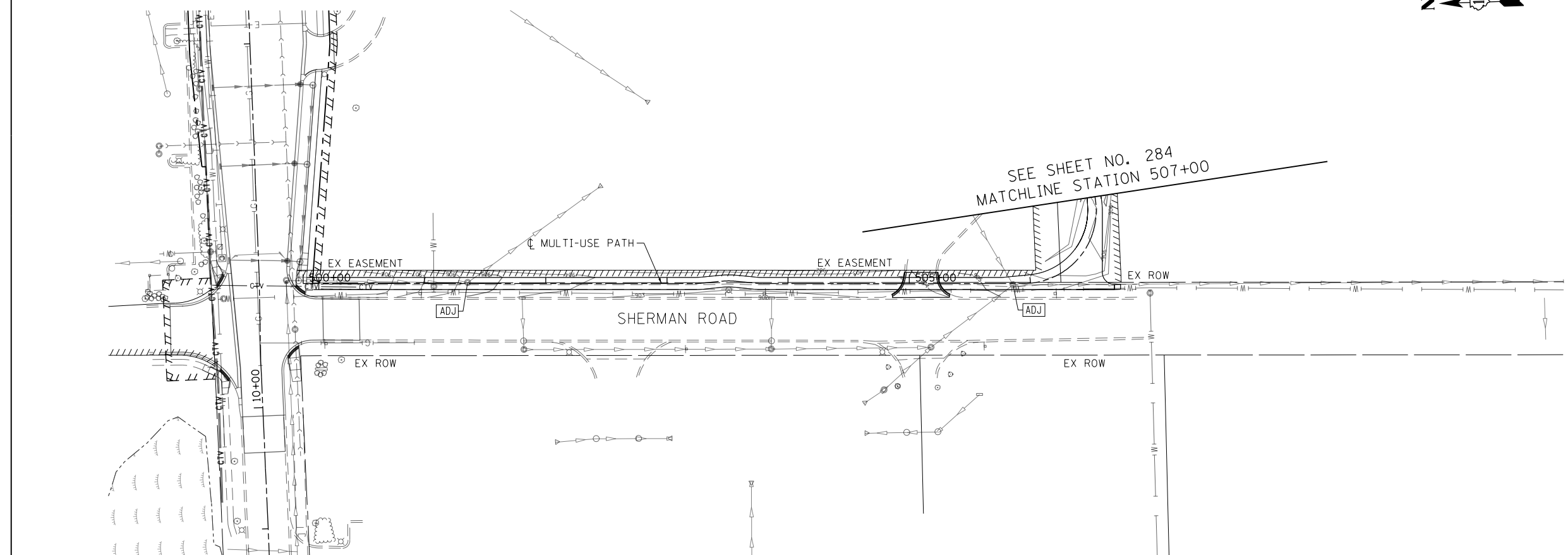
Boillinger, Lach & Associates, Inc.
ITASCA, ILLINOIS



LEGEND

	PROPOSED PIPE
	PROPOSED STRUCTURE
	STRUCTURE TO BE ADJUSTED
	RECORD

CORRESPONDING SHEET



USER NAME = mrc155	DESIGNED - JLT	REVISED -
FILENAME =	DRAWN - JLT	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - DBB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MULTI-USE PATH DRAINAGE PLAN AND PROFILE

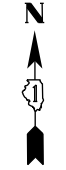
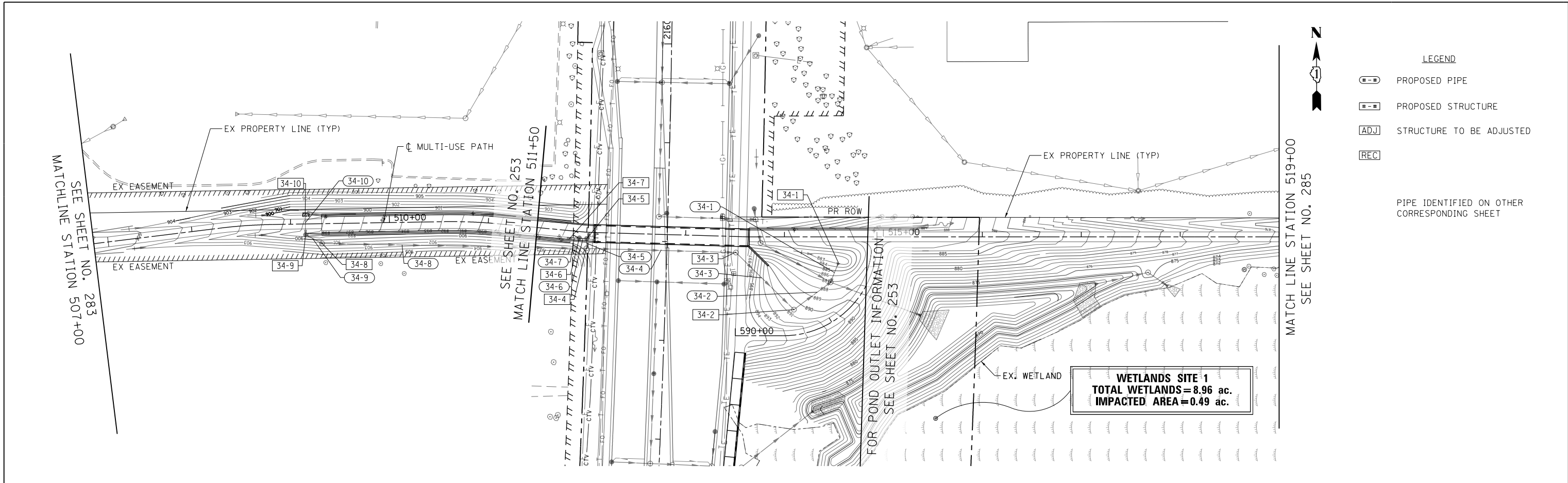
SCALE: 1"=50' HORIZ
1"=5' VERT

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	283
CONTRACT NO.			61E53	
ILLINOIS FED. AID PROJECT				

SHEET 33 OF 50 SHEETS STA 500+00 TO STA 507+00

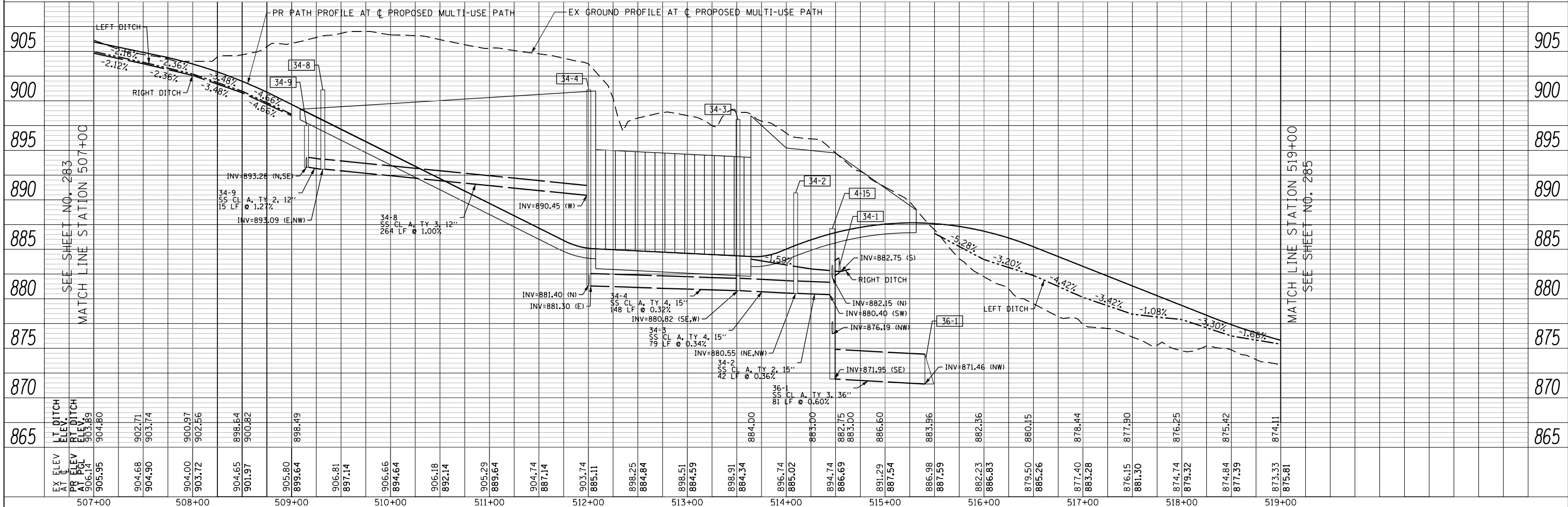
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	PLOTTED		
	ALIGNED		
	CHECKED		
	FILED		
	NO. _____		
	FILE NAME _____		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS OK'D		
	NO. _____		



LEGEND

- P PROPOSED PIPE
- S PROPOSED STRUCTURE
- A STRUCTURE TO BE ADJUSTED
- R PIPE IDENTIFIED ON OTHER CORRESPONDING SHEET



EX ELEV AT C	865	870	875	880	885	890	895	900	905																																																
PR ELEV AT PGL	906.14	903.89	904.80	904.68	902.71	904.90	903.74	904.00	900.97	903.72	902.56	904.65	901.97	900.82	905.80	899.64	906.81	897.14	906.66	894.64	906.18	892.14	905.29	889.64	904.74	887.14	903.74	885.11	898.25	884.84	898.51	884.59	898.91	884.34	896.74	885.02	894.74	886.69	883.00	891.29	887.54	886.98	887.59	882.23	886.83	879.50	885.26	877.40	883.28	876.15	881.30	874.74	879.32	874.84	877.39	873.33	875.81
LT DITCH AT C	905.95	904.80	904.68	902.71	904.90	903.74	904.00	900.97	903.72	902.56	904.65	901.97	900.82	905.80	899.64	906.81	897.14	906.66	894.64	906.18	892.14	905.29	889.64	904.74	887.14	903.74	885.11	898.25	884.84	898.51	884.59	898.91	884.34	896.74	885.02	894.74	886.69	883.00	891.29	887.54	886.98	887.59	882.23	886.83	879.50	885.26	877.40	883.28	876.15	881.30	874.74	879.32	874.84	877.39	873.33	875.81	
RT DITCH AT C	905.95	904.80	904.68	902.71	904.90	903.74	904.00	900.97	903.72	902.56	904.65	901.97	900.82	905.80	899.64	906.81	897.14	906.66	894.64	906.18	892.14	905.29	889.64	904.74	887.14	903.74	885.11	898.25	884.84	898.51	884.59	898.91	884.34	896.74	885.02	894.74	886.69	883.00	891.29	887.54	886.98	887.59	882.23	886.83	879.50	885.26	877.40	883.28	876.15	881.30	874.74	879.32	874.84	877.39	873.33	875.81	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MULTI-USE PATH DRAINAGE PLAN AND PROFILE

SCALE: 1"=50' HORIZ
1"=5' VERT

USER NAME = mrc155	DESIGNED - JLT	REVISED -
FILENAME =	DRAWN - JLT	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - DBB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	284
CONTRACT NO.			61E53	
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	CHECKED		
	ALIGNED		
	CAD FILE NAME		

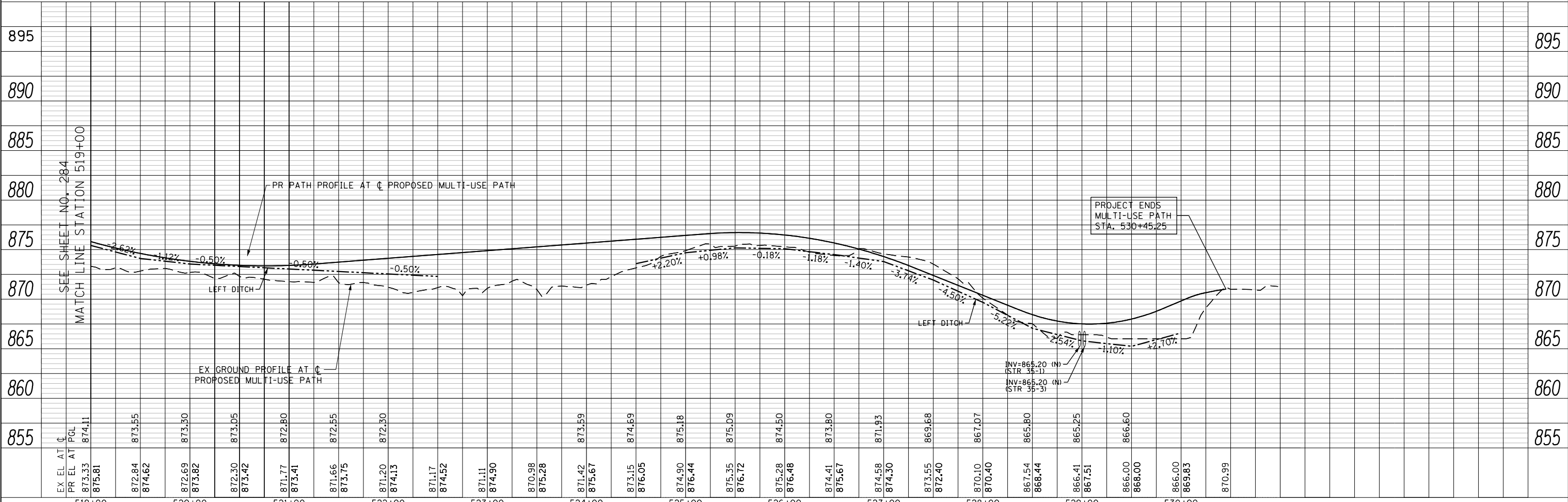
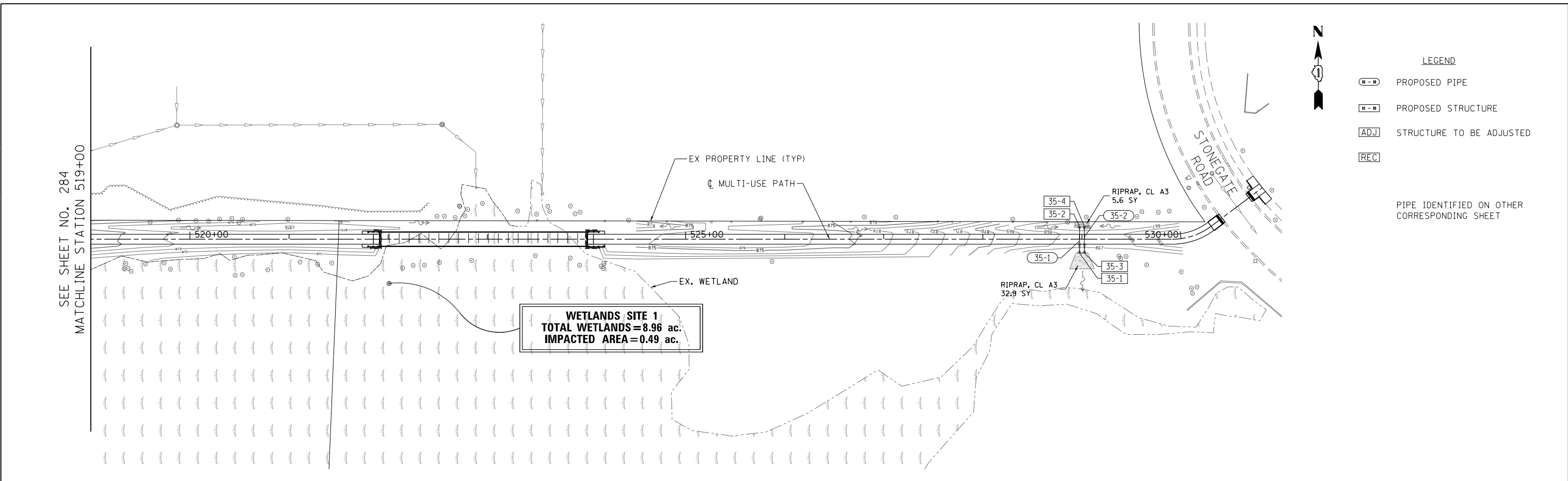
PROFILE	SURVEYED	BY	DATE
NOTE BOOK NO.	GRADES CHECKED		
	STRUCTURE NOTATIONS CHKD		



LEGEND

- PROPOSED PIPE
- PROPOSED STRUCTURE
- ADJ STRUCTURE TO BE ADJUSTED
- REC

PIPE IDENTIFIED ON OTHER CORRESPONDING SHEET



USER NAME = mrc155 FILENAME = PLOT SCALE = 100.0000' / in. PLOT DATE = 4/25/2018	DESIGNED - JLT DRAWN - JLT CHECKED - DBB DATE - 4-26-2018	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MULTI-USE PATH DRAINAGE PLAN AND PROFILE SCALE: 1"=50' HORIZ 1"=5' VERT	SHEET 35 OF 50 SHEETS STA 519+00 TO STA 530+97.79	<table border="1" style="font-size: small;"> <tr> <th>FAP RTE</th> <th>SECTION</th> <th>COUNTY</th> <th>TOTAL SHEETS</th> <th>SHEET NO.</th> </tr> <tr> <td>336</td> <td>06-00329-01-PW</td> <td>MCHENRY</td> <td>1751</td> <td>285</td> </tr> </table>	FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	336	06-00329-01-PW	MCHENRY	1751	285
FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.												
336	06-00329-01-PW	MCHENRY	1751	285												

DRAINAGE SHEET RANDALL ROAD STA 2048 + 00 TO STA 2060 + 00 RIGHT SIDE

Table with columns: SHEET, STRUCTURE NUMBER, STATION, OFFSET, TYPE, FRAME AND GRATE, RIM ELEVATION, INVERT ELEVATIONS (NORTH, NORTHEAST, EAST, SOUTHEAST, SOUTH, SOUTHWEST, WEST, NORTHWEST).

PIPE TABLE: RANDALL ROAD STA 2048 + 00 TO STA 2060 + 00 RIGHT SIDE

Table with columns: SHEET, PIPE NUMBER, STRUCTURE (FROM, TO), DESCRIPTION, CLASS, TYPE, SIZE (IN), LENGTH (FT), SLOPE (%), TBF (CY).

DRAINAGE SHEET RANDALL ROAD STA 2060 + 00 TO STA 2172 + 00 LEFT SIDE

Table with columns: SHEET, STRUCTURE NUMBER, STATION, OFFSET, TYPE, FRAME AND GRATE, RIM ELEVATION, INVERT ELEVATIONS (NORTH, NORTHEAST, EAST, SOUTHEAST, SOUTH, SOUTHWEST, WEST, NORTHWEST).

PIPE TABLE: RANDALL ROAD STA 2060 + 00 TO STA 2172 + 00 LEFT SIDE

Table with columns: SHEET, PIPE NUMBER, STRUCTURE (FROM, TO), DESCRIPTION, CLASS, TYPE, SIZE (IN), LENGTH (FT), SLOPE (%), TBF (CY).

- * STRUCTURE USES HUNTINGTON DRIVE STATION AND OFFSET
** SPECIFIED STATION/OFFSET IS TO THE CENTER OF THE FRAME AND LID. FOR CONSTRUCTABILITY PURPOSES, STRUCTURE SHALL BE TURNED SO THE CORRESPONDING LID IS CLOSEST TO THE CENTERLINE OF THE ROAD.
*** STRUCTURE SHALL BE INITIALLY INSTALLED WITH A TYPE 1 FRAME AND CLOSED LID. ULTIMATELY DURING STAGE 3, THE STRUCTURE SHALL BE ADJUSTED TO FINAL GRADE WITH THE LID SHOWN ON THIS TABLE AND PAID FOR SEPARATELY AS MANHOLES/CATCH BASINS TO BE ADJUSTED OR MANHOLES/CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 8, 11 OR 24 FRAME AND LID.

Boilinger, Lach & Associates, Inc.



Table with columns: USER NAME, FILENAME, PLOT SCALE, PLOT DATE, DESIGNED, DRAWN, CHECKED, DATE, REVISED.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DRAINAGE STRUCTURE AND PIPE TABLES RANDALL ROAD

SCALE: NONE SHEET 37 OF 50 SHEETS STA TO STA

Table with columns: FAP RTE, SECTION, COUNTY, TOTAL SHEETS, SHEET NO., CONTRACT NO.

DRAINAGE SHEET RANDALL ROAD STA 2172 + 00 TO STA 2184 + 00 RIGHT SIDE

SHEET	STRUCTURE NUMBER	STATION	OFFSET	TYPE	FRAME AND GRATE	RIM ELEVATION	INVERT ELEVATIONS							
							NORTH	NORTHEAST	EAST	SOUTHEAST	SOUTH	SOUTHWEST	WEST	NORTHWEST
8	8-1	2184+00.00	59.00' RT	CB, TYPE C	TYPE 24 FRAME AND GRATE	903.18							899.14	
8	8-2	2183+04.00	59.00' RT	CB, TYPE C	TYPE 24 FRAME AND GRATE	905.36							901.32	
8	8-3	2181+90.00	2.34' RT	CB, TYPE A, 4'-DIA	TYPE 24 FRAME AND GRATE	909.07				903.14			903.14	
8	8-4	2181+90.00	59.00' RT	CB, TYPE A, 4'-DIA	TYPE 24 FRAME AND GRATE	907.95				903.43			903.43	
8	8-5	2181+90.00	88.64' RT	CB, TYPE C	TYPE 8 GRATE	906.35							903.58	
8	8-6	2180+40.00	9.00' RT	CB, TYPE A, 4'-DIA	TYPE 11 FRAME AND GRATE	912.20				906.89			906.89	
8	8-7	2180+40.00	59.00' RT	CB, TYPE C	TYPE 24 FRAME AND GRATE	911.18							907.14	
8	8-8	2179+30.00	9.00' RT	CB, TYPE A, 4'-DIA	TYPE 11 FRAME AND GRATE	913.81				908.41			908.41	
8	8-9	2179+30.00	59.00' RT	CB, TYPE A, 4'-DIA	TYPE 24 FRAME AND GRATE	912.79				908.68			908.68	
8	8-10	2178+60.01	84.17' RT	MH, TYPE A, 4'-DIA	TYPE 1 FRAME, CLOSED LID, SPECIAL	913.30				909.06				909.06
8	8-11	2178+40.17	114.63' RT	CB, TYPE 4, 4'-DIA	TYPE 11 FRAME & GRATE, SPECIAL	913.03								909.24
8	8-12	2177+88.70	113.69' RT	INLETS, TYPE A	TYPE 11 FRAME & GRATE, SPECIAL	912.88	909.50							
8	8-13	2172+50.00	59.00' RT	CB, TYPE A, 4'-DIA	TYPE 24 FRAME AND GRATE	914.86				910.82				
8	8-14	2172+50.00	87.90' RT	CB, TYPE C	TYPE 8 GRATE	913.25							910.82	
8	8-15	2173+51.00	59.00' RT	CB, TYPE C	TYPE 24 FRAME AND GRATE	915.52							911.38	
8	8-16	2174+12.00	2.45' RT	CB, TYPE C	TYPE 24 FRAME AND GRATE	916.97							912.97	
8	8-17	2175+60.00	59.00' RT	CB, TYPE C	TYPE 24 FRAME AND GRATE	915.52							911.48	
8	8-18	2176+55.00	59.00' RT	CB, TYPE A, 4'-DIA	TYPE 24 FRAME AND GRATE	914.86	910.00			910.00			909.75	
8	8-19	2176+55.00	88.00' RT	CB, TYPE C	TYPE 8 GRATE	913.30							910.33	
8	8-20	2177+45.00	59.00' RT	CB, TYPE C	TYPE 24 FRAME AND GRATE	914.22								910.45

- SPECIFIED STATION/OFFSET IS TO THE CENTER OF THE FRAME AND LID. FOR CONSTRUCTABILITY PURPOSES, STRUCTURE SHALL BE TURNED SO THE CORRESPONDING LID IS CLOSEST TO THE CENTERLINE OF THE ROAD.
- STRUCTURE SHALL BE INITIALLY INSTALLED WITH A TYPE 1 FRAME AND CLOSED LID. ULTIMATELY DURING STAGE 3, THE STRUCTURE SHALL BE ADJUSTED TO FINAL GRADE WITH THE LID SHOWN ON THIS TABLE AND PAID FOR SEPARATELY AS MANHOLES/CATCH BASINS TO BE ADJUSTED OR MANHOLES/CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 8, 11 OR 24 FRAME AND LID.

PIPE TABLE: RANDALL ROAD STA 2172 + 00 TO STA 2184 + 00 RIGHT SIDE

SHEET	PIPE NUMBER	STRUCTURE		DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CY)
		FROM	TO							
8	8-1	8-1	7-1	STORM SEWERS	A	2	12	65	0.52	16.7
8	8-2	8-2	7-2	STORM SEWERS	A	2	12	65	0.52	15.3
8	8-3	8-3	7-3	STORM SEWERS	A	2	15	8	0.75	3.0
8	8-4	8-4	8-3	STORM SEWERS	A	2	15	53	0.55	14.9
8	8-5	8-5	8-4	STORM SEWERS	A	2	15	27	0.56	3.3
8	8-6	8-6	7-4	STORM SEWERS	A	2	12	14	0.64	4.2
8	8-7	8-7	8-6	STORM SEWERS	A	2	12	47	0.53	11.1
8	8-8	8-8	7-5	STORM SEWERS	A	2	12	14	0.71	4.5
8	8-9	8-9	8-8	STORM SEWERS	A	2	12	46	0.59	10.9
8	8-10	8-10	8-9	STORM SEWERS (WM REQ)			12	71	0.54	12.3
8	8-11	8-11	8-10	STORM SEWERS	A	2	12	33	0.55	5.0
8	8-12	8-12	8-11	STORM SEWERS	A	2	12	49	0.53	6.5
8	8-13	8-13	7-14	STORM SEWERS	A	2	12	64	0.53	15.1
8	8-14	8-14	8-13	STORM SEWERS	A	2	12	26	0.54	2.1
8	8-15	8-15	7-17	STORM SEWERS	A	2	12	65	0.52	16.7
8	8-16	8-17	7-20	STORM SEWERS	A	2	12	65	0.52	15.3
8	8-17	8-18	7-22	STORM SEWERS	A	2	15	64	0.52	22.5
8	8-18	8-19	8-18	STORM SEWERS	A	2	12	26	1.27	2.4
8	8-19	8-20	8-18	STORM SEWERS	A	2	12	88	0.51	12.8



USER NAME = mrc1ss	DESIGNED - JLT	REVISED -
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PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE STRUCTURE AND PIPE TABLES
RANDALL ROAD

SCALE: NONE SHEET 39 OF 50 SHEETS STA TO STA

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	289
CONTRACT NO.			61E53	
ILLINOIS FED. AID PROJECT				

DRAINAGE SHEET RANDALL ROAD STA 2184 + 00 TO STA 2196 + 00 LEFT SIDE

Table with columns: SHEET, STRUCTURE NUMBER, STATION, OFFSET, TYPE, FRAME AND GRATE, RIM ELEVATION, INVERT ELEVATIONS (North, Northeast, East, Southeast, South, Southwest, West, Northwest).

* STRUCTURE USES ALGONQUIN ROAD STATION AND OFFSET
** SPECIFIED STATION/OFFSET IS TO THE CENTER OF THE FRAME AND LID. FOR CONSTRUCTABILITY PURPOSES, STRUCTURE SHALL BE TURNED SO THE CORRESPONDING LID IS CLOSEST TO THE CENTERLINE OF THE ROAD.
*** STRUCTURE SHALL BE INITIALLY INSTALLED WITH A TYPE 1 FRAME AND CLOSED LID. ULTIMATELY DURING STAGE 3, THE STRUCTURE SHALL BE ADJUSTED TO FINAL GRADE WITH THE LID SHOWN ON THIS TABLE AND PAID FOR SEPARATELY AS MANHOLES/CATCH BASINS TO BE ADJUSTED OR MANHOLES/CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 8, 11 OR 24 FRAME AND LID.

PIPE TABLE: RANDALL ROAD STA 2184 + 00 TO STA 2196 + 00 LEFT SIDE

Table with columns: SHEET, PIPE NUMBER, STRUCTURE (FROM, TO), DESCRIPTION, CLASS, TYPE, SIZE (IN), LENGTH (FT), SLOPE (%), TBF (CY).



Table with 4 columns: USER NAME = mrc155, FILENAME = D:\N\N\N\N\shd-Drain-48.dgn, PLOT SCALE = 100.0000' / 1"., PLOT DATE = 4/25/2018; DESIGNED - JLT, DRAWN - JLT, CHECKED - DBB, DATE - 4-26-2018; REVISED - , REVISED - , REVISED - , REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE STRUCTURE AND PIPE TABLES
RANDALL ROAD

SCALE: NONE SHEET 40 OF 50 SHEETS STA TO STA

Table with columns: FAP RTE, SECTION, COUNTY, TOTAL SHEETS, SHEET NO., CONTRACT NO.

DRAINAGE SHEET BUNKER HILL STA 09 + 93 TO STA 16 + 00

Table with columns: SHEET, STRUCTURE NUMBER, STATION, OFFSET, TYPE, FRAME AND GRATE, RIM ELEVATION, INVERT ELEVATIONS (NORTH, NORTHEAST, EAST, SOUTHEAST, SOUTH, SOUTHWEST, WEST, NORTHWEST)

PIPE TABLE: BUNKER HILL STA 09 + 93 TO STA 16 + 00

Table with columns: SHEET, PIPE NUMBER, STRUCTURE (FROM, TO), DESCRIPTION, CLASS, TYPE, SIZE (IN), LENGTH (FT), SLOPE (%), TBF (CY)

DRAINAGE SHEET HUNTINGTON DRIVE STA 19 + 40 TO STA 25 + 14.21

Table with columns: SHEET, STRUCTURE NUMBER, STATION, OFFSET, TYPE, FRAME AND GRATE, RIM ELEVATION, INVERT ELEVATIONS (NORTH, NORTHEAST, EAST, SOUTHEAST, SOUTH, SOUTHWEST, WEST, NORTHWEST)

PIPE TABLE: STA. 19+40 TO STA. 25+14.21

Table with columns: SHEET, PIPE NUMBER, STRUCTURE (FROM, TO), DESCRIPTION, CLASS, TYPE, SIZE (IN), LENGTH (FT), SLOPE (%), TBF (CY)

DRAINAGE SHEET STONEGATE

Table with columns: SHEET, STRUCTURE NUMBER, STATION, OFFSET, TYPE, FRAME AND GRATE, RIM ELEVATION, INVERT ELEVATIONS (NORTH, NORTHEAST, EAST, SOUTHEAST, SOUTH, SOUTHWEST, WEST, NORTHWEST)

PIPE TABLE: STONEGATE

Table with columns: SHEET, PIPE NUMBER, STRUCTURE (FROM, TO), DESCRIPTION, CLASS, TYPE, SIZE (IN), LENGTH (FT), SLOPE (%), TBF (CY). Note: NO PROPOSED STORM SEWER

DRAINAGE SHEET STONEGATE

Table with columns: SHEET, STRUCTURE NUMBER, STATION, OFFSET, TYPE, FRAME AND GRATE, RIM ELEVATION, INVERT ELEVATIONS (NORTH, NORTHEAST, EAST, SOUTHEAST, SOUTH, SOUTHWEST, WEST, NORTHWEST)

PIPE TABLE: STONEGATE

Table with columns: SHEET, PIPE NUMBER, STRUCTURE (FROM, TO), DESCRIPTION, CLASS, TYPE, SIZE (IN), LENGTH (FT), SLOPE (%), TBF (CY). Note: NO PROPOSED STORM SEWER

DRAINAGE SHEET COMMERCIAL DRIVE STA 200 + 14.14 TO STA 204 + 54.52

Table with columns: SHEET, STRUCTURE NUMBER, STATION, OFFSET, TYPE, FRAME AND GRATE, RIM ELEVATION, INVERT ELEVATIONS (NORTH, NORTHEAST, EAST, SOUTHEAST, SOUTH, SOUTHWEST, WEST, NORTHWEST)

PIPE TABLE: STA 200 + 14.14 TO STA 204 + 54.52

Table with columns: SHEET, PIPE NUMBER, STRUCTURE (FROM, TO), DESCRIPTION, CLASS, TYPE, SIZE (IN), LENGTH (FT), SLOPE (%), TBF (CY). Note: NO PROPOSED STORM SEWER

DRAINAGE SHEET POLARIS ROAD / ACORN LANE STA 30 + 00 TO STA 40 + 40

Table with columns: SHEET, STRUCTURE NUMBER, STATION, OFFSET, TYPE, FRAME AND GRATE, RIM ELEVATION, INVERT ELEVATIONS (NORTH, NORTHEAST, EAST, SOUTHEAST, SOUTH, SOUTHWEST, WEST, NORTHWEST)

PIPE TABLE: STA. 30+00 TO STA. 40+40

Table with columns: SHEET, PIPE NUMBER, STRUCTURE (FROM, TO), DESCRIPTION, CLASS, TYPE, SIZE (IN), LENGTH (FT), SLOPE (%), TBF (CY)

DRAINAGE SHEET CRYSTAL LAKE ROAD STA 600 + 00.00 TO STA 606 + 31.20

Table with columns: SHEET, STRUCTURE NUMBER, STATION, OFFSET, TYPE, FRAME AND GRATE, RIM ELEVATION, INVERT ELEVATIONS (NORTH, NORTHEAST, EAST, SOUTHEAST, SOUTH, SOUTHWEST, WEST, NORTHWEST)

PIPE TABLE: STA. 600 + 00.00 TO STA 606 + 31.20

Table with columns: SHEET, PIPE NUMBER, STRUCTURE (FROM, TO), DESCRIPTION, CLASS, TYPE, SIZE (IN), LENGTH (FT), SLOPE (%), TBF (CY)

- SPECIFIED STATION/OFFSET IS TO THE CENTER OF THE FRAME AND LID. FOR CONSTRUCTABILITY PURPOSES, STRUCTURE SHALL BE TURNED SO THE CORRESPONDING LID IS CLOSEST TO THE CENTERLINE OF THE ROAD.
••• STRUCTURE SHALL BE INITIALLY INSTALLED WITH A TYPE 1 FRAME AND CLOSED LID. ULTIMATELY DURING STAGE 3, THE STRUCTURE SHALL BE ADJUSTED TO FINAL GRADE WITH THE LID SHOWN ON THIS TABLE AND PAID FOR SEPARATELY AS MANHOLES/CATCH BASINS TO BE ADJUSTED OR MANHOLES/CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 8, 11 OR 24 FRAME AND LID.



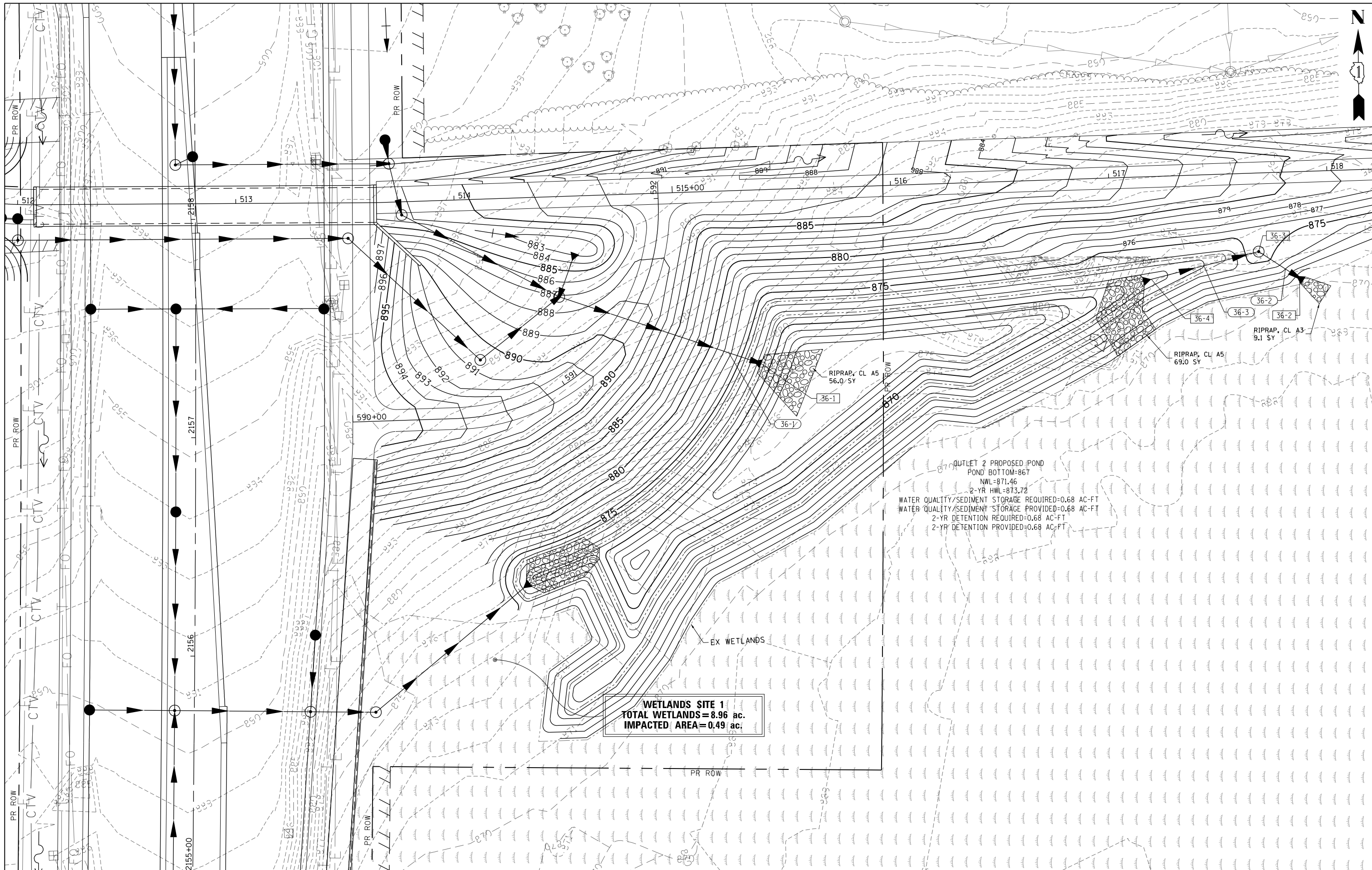
Table with columns: USER NAME, FILENAME, PLOT SCALE, PLOT DATE, DESIGNED, DRAWN, CHECKED, DATE, REVISED

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DRAINAGE STRUCTURE AND PIPE TABLES BUNKER HILL ROAD /HUNTINGTON DRIVE, POLARIS ROAD /ACORN LANE, COMMERCIAL DRIVE, CRYSTAL LAKE ROAD

SCALE: NONE SHEET 45 OF 50 SHEETS STA TO STA

Table with columns: FAP RTE, SECTION, COUNTY, TOTAL SHEETS, SHEET NO., CONTRACT NO.



OUTLET 2 PROPOSED POND
 POND BOTTOM=867
 NWL=871.46
 2-YR HWL=873.72
 WATER QUALITY/SEDIMENT STORAGE REQUIRED=0.68 AC-FT
 WATER QUALITY/SEDIMENT STORAGE PROVIDED=0.68 AC-FT
 2-YR DETENTION REQUIRED=0.68 AC-FT
 2-YR DETENTION PROVIDED=0.68 AC-FT

WETLANDS SITE 1
 TOTAL WETLANDS=8.96 ac.
 IMPACTED AREA=0.49 ac.

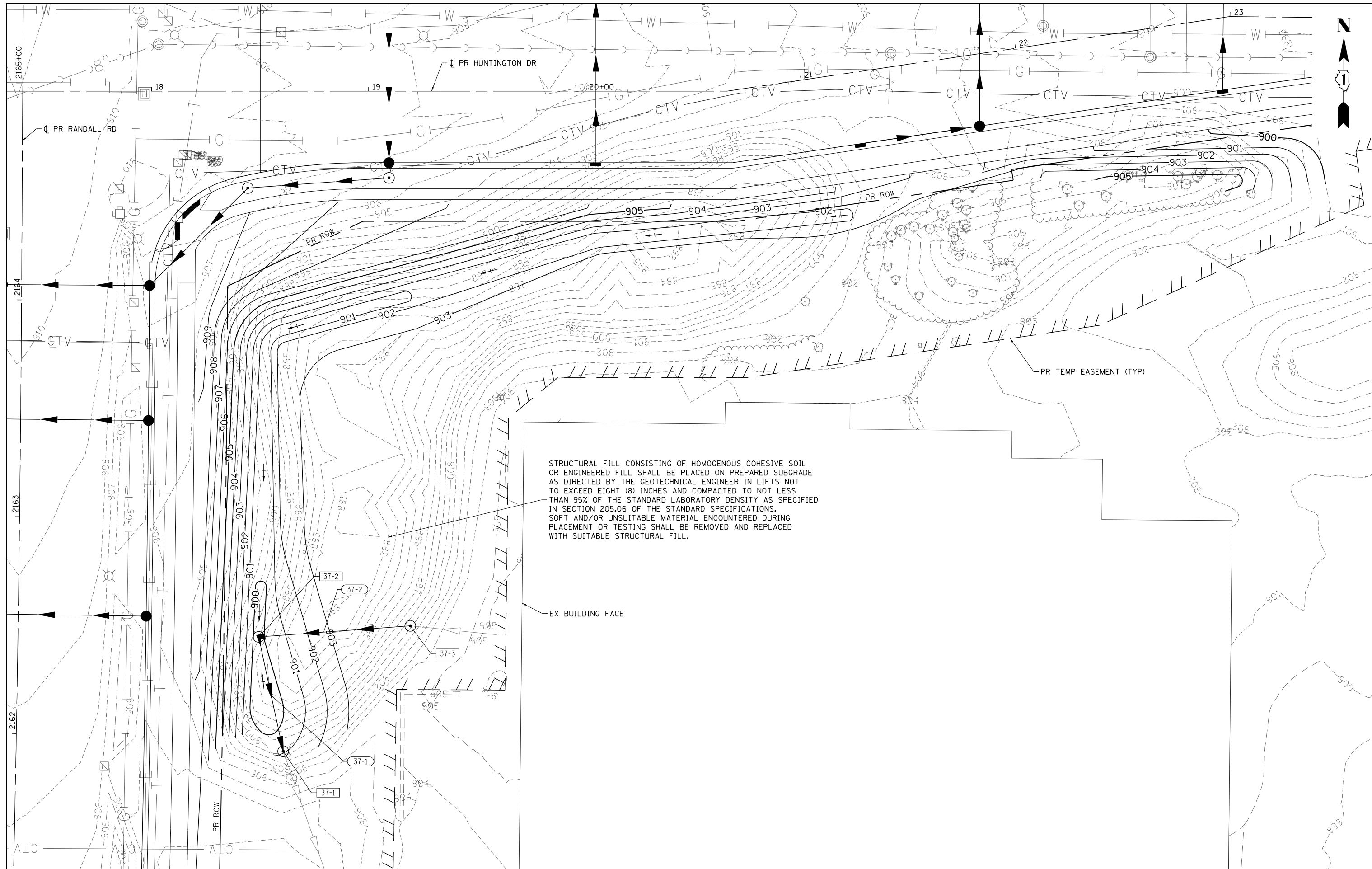
USER NAME = mrc155	DESIGNED - JLT	REVISED -
FILENAME = D\NNNN-shd-Drain-53.dgn	DRAWN - JLT	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - DBB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DETENTION POND GRADING PLAN
 OUTLET 2**

SCALE: 1" = 20' SHEET 47 OF 50 SHEETS STA TO STA

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	297
CONTRACT NO.			61E53	
ILLINOIS FED. AID PROJECT				



STRUCTURAL FILL CONSISTING OF HOMOGENOUS COHESIVE SOIL OR ENGINEERED FILL SHALL BE PLACED ON PREPARED SUBGRADE AS DIRECTED BY THE GEOTECHNICAL ENGINEER IN LIFTS NOT TO EXCEED EIGHT (8) INCHES AND COMPACTED TO NOT LESS THAN 95% OF THE STANDARD LABORATORY DENSITY AS SPECIFIED IN SECTION 205.06 OF THE STANDARD SPECIFICATIONS. SOFT AND/OR UNSUITABLE MATERIAL ENCOUNTERED DURING PLACEMENT OR TESTING SHALL BE REMOVED AND REPLACED WITH SUITABLE STRUCTURAL FILL.

EX BUILDING FACE

USER NAME = mrc1ss	DESIGNED - JLT	REVISED -
FILENAME = D:\NNNN-sht-Drain-53.dgn	DRAWN - JLT	REVISED -
PLOT SCALE = 40.0001' / in.	CHECKED - DBB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

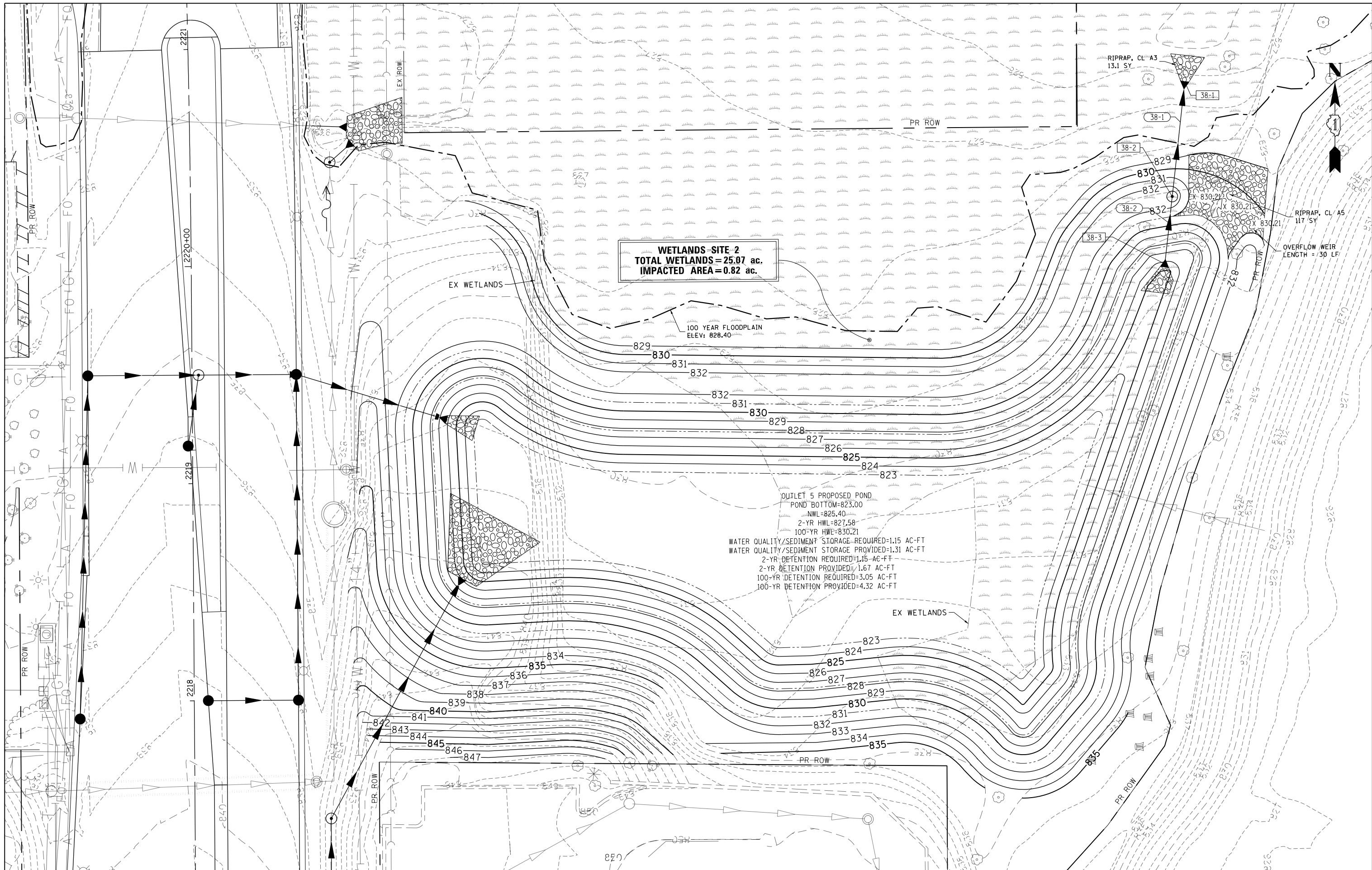
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**POND GRADING PLAN
DURO-LIFE**

SCALE: 1" = 20' SHEET 48 OF 50 SHEETS STA TO STA

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	298
CONTRACT NO.			61E53	

ILLINOIS FED. AID PROJECT

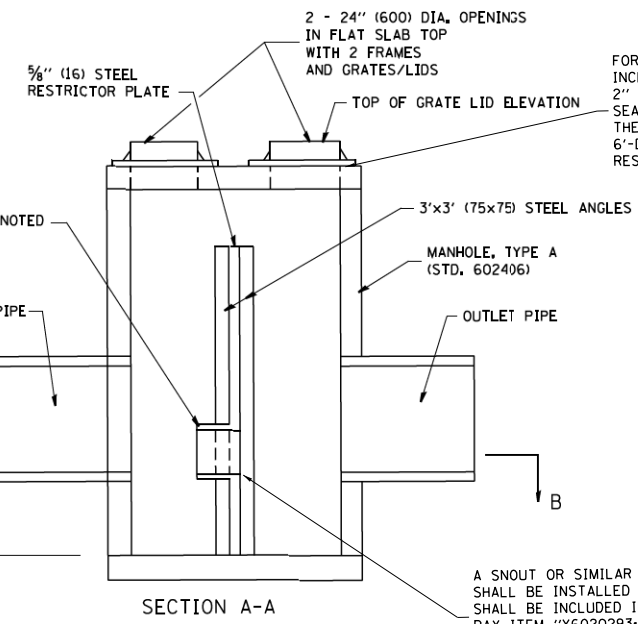
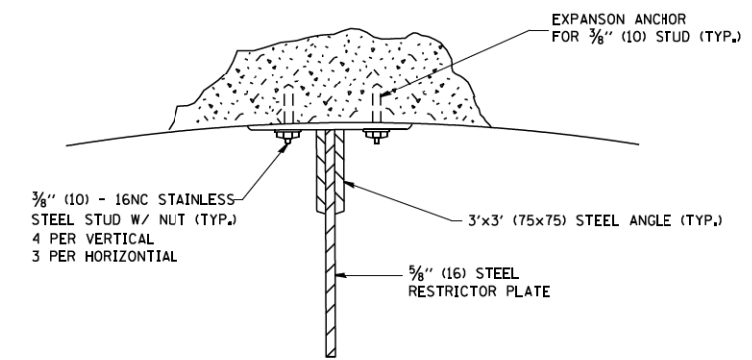
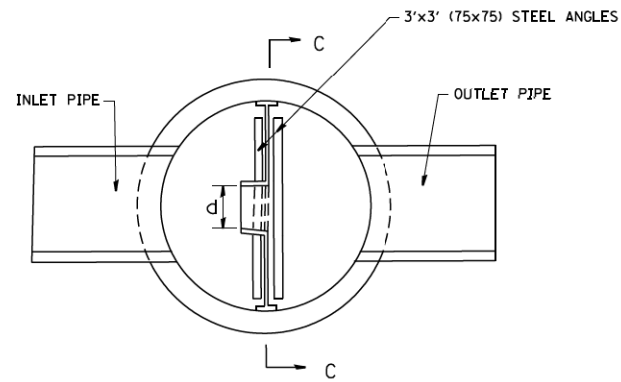
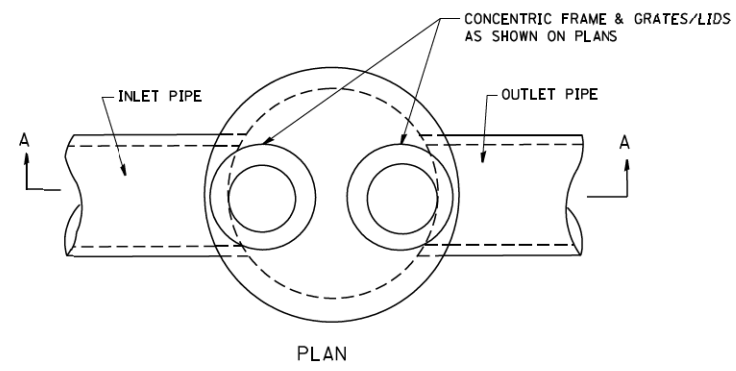


USER NAME = mrc155	DESIGNED - JLT	REVISED -
FILENAME = D:\NNNN-sht-Drain-54.dgn	DRAWN - JLT	REVISED -
PLOT SCALE = 40.0000' / 1" in.	CHECKED - DBB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

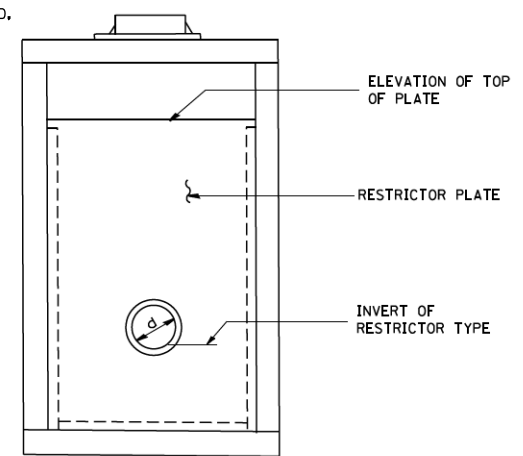
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETENTION POND GRADING PLAN OUTLET 5			
SCALE: 1" = 20'	SHEET 49	OF 50 SHEETS	STA TO STA

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	299
CONTRACT NO.			61E53	
ILLINOIS FED. AID PROJECT				

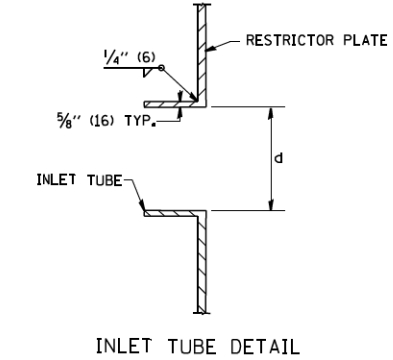


FOR STRUCTURE 26-4, THE STRUCTURE SHALL INCLUDE VILLAGE OF ALGONQUIN SPECIAL F&G, 2" RING INTO TOP OF THE FLATTOP, & CHIMNEY SEAL AND SHALL BE INCLUDED IN THE COST OF THE PAY ITEM "X6020096: MANHOLES, TYPE A, 6'-DIAMETER, WITH 2 TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE"

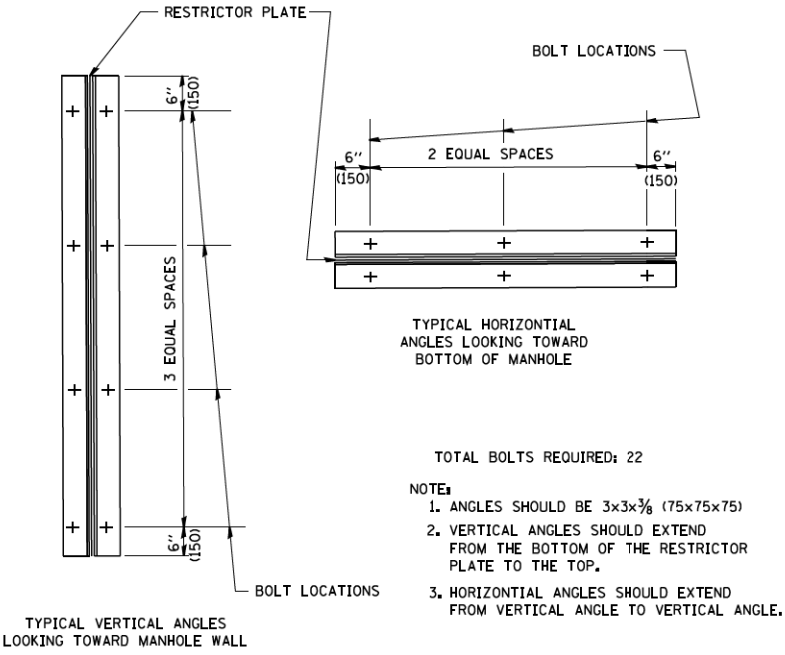


A SNOOT OR SIMILAR PRODUCT TO TRAP DEBRIS SHALL BE INSTALLED ON STRUCTURE 38-2 AND SHALL BE INCLUDED IN THE COST OF THE PAY ITEM "X6020293: MANHOLES, TYPE A, 8'-DIAMETER, WITH 2 TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE"

- NOTES:
1. ALL STEEL ANGLES AND PLATES TO BE GALVANIZED AFTER FABRICATION.
 2. ALL RESTRICTOR PLATES, ANGLES AND HARDWARE TO BE INCLUDED IN THE COST OF THE MANHOLE.
 3. BASIS OF PAYMENT: "MANHOLES, TYPE A, 6 FT. (1.8 m)-DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE" EACH



STATION	MANHOLE DIAMETER	FRAME AND GRATE	RESTRICTOR TYPE	INSIDE RESTRICTOR TYPE DIAMETER In. (mm) (d)	INVERT OF RESTRICTOR TYPE	ELEVATION OF TOP OF PLATE OVERFLOW
STR 26-4	24+76.40, LT	6'	2 TY 1 FR, CL (VOA SPECIAL LID)	2	11.75"	892.13
36-3	517+67.56, RT	6'	2 TY 1 FR, CL	2	3.70"	871.39
38-2	2220+26.88, RT	8'	2 TY 1 FR, CL	2	4.90"	825.30



RESTRICTOR TYPE					
1	2	3	4	5	6
RE-ENTRANT TUBE	SHARP EDGED	SQUARE EDGED	RE-ENTRANT TUBE	SQUARE EDGED	ROUNDED
LENGTH: 1/2 TO 1 DIA.		STREAM CLEARS SIDES	LENGTH: 2-1/2 DIA.	LENGTH: 2-1/2 DIA.	
C=.52	C=.61	C=.61	C=.73	C=.82	C=.98

VALUES OF "C" FOR CIRCULAR AND SQUARE ORIFICES

FILE NAME = W:\diststd\22x34\bd12.dgn

USER NAME = geglianob

PLOT SCALE = 50.000' / IN.

PLOT DATE = 1/4/2008

DESIGNED - R. SHAH

DRAWN -

CHECKED -

DATE - 09-09-94

REVISED - R. SHAH 10-25-94

REVISED - E. GOMEZ 08-28-00

REVISED - M. GOMEZ 01-08-01

REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MANHOLE WITH RESTRICTOR PLATE

SCALE: NONE

SHEET NO. 1 OF 1 SHEETS

STA. TO STA.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	300
BD600-04 (BD-12)		CONTRACT NO.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				