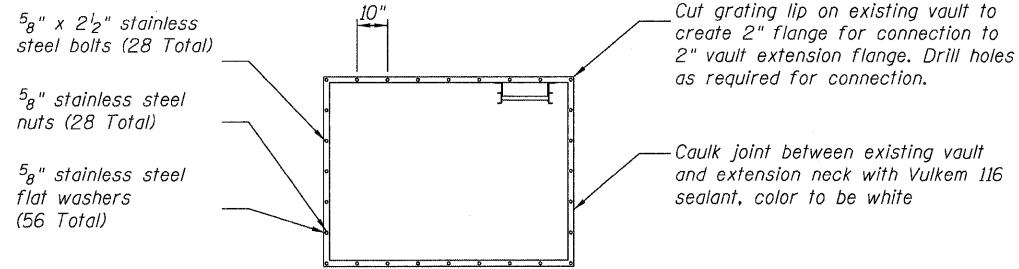


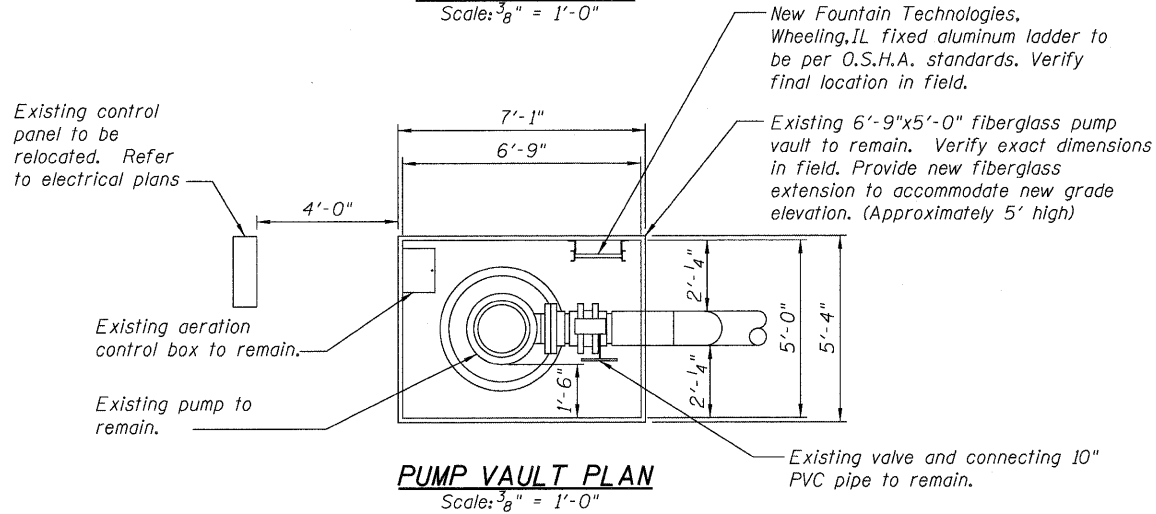
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES:

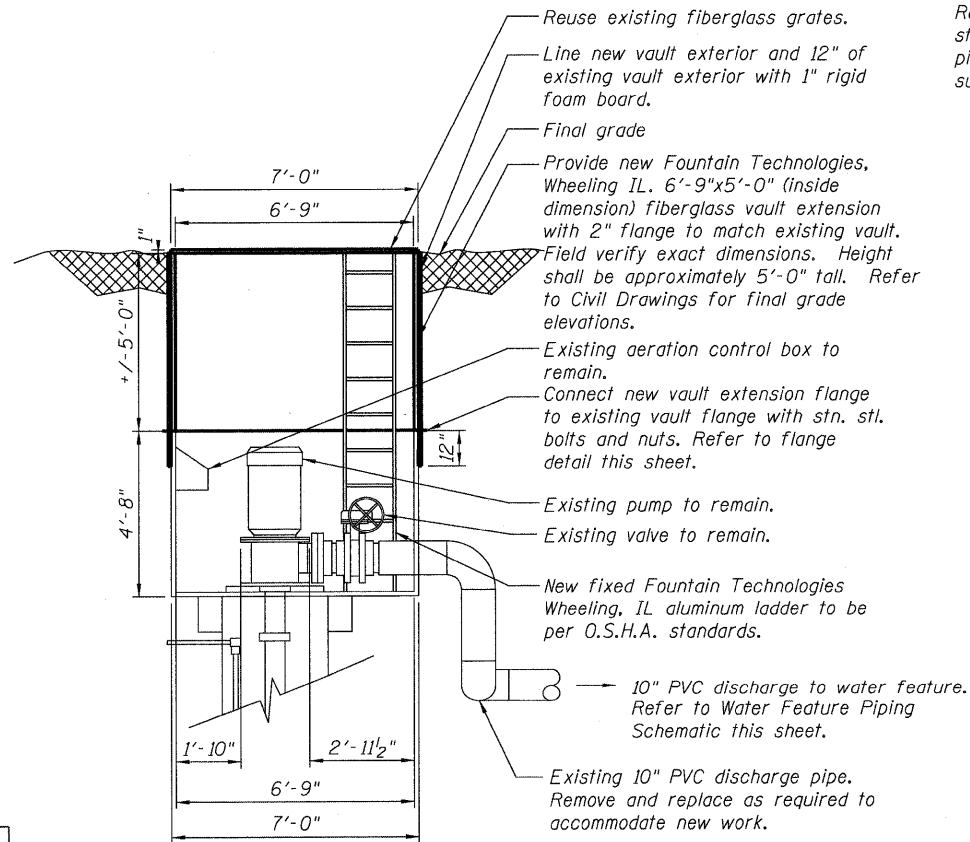
1. Refer to Civil Drawings for grade elevations.
2. Refer to Civil Drawings for retaining wall dimensions.
3. Refer to Piping Drawings for existing piping layout.
4. All water feature piping is schedule 80 PVC unless indicated otherwise.



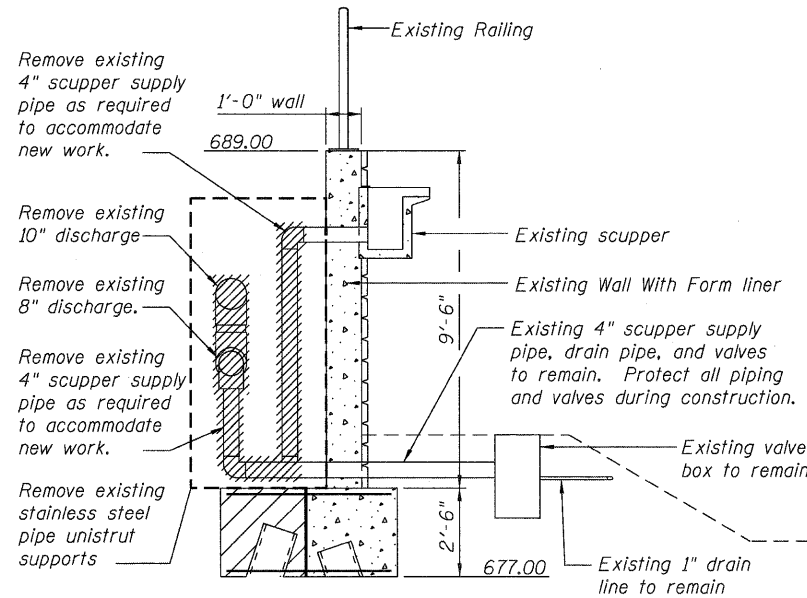
FLANGE DETAIL
Scale: 3/8" = 1'-0"



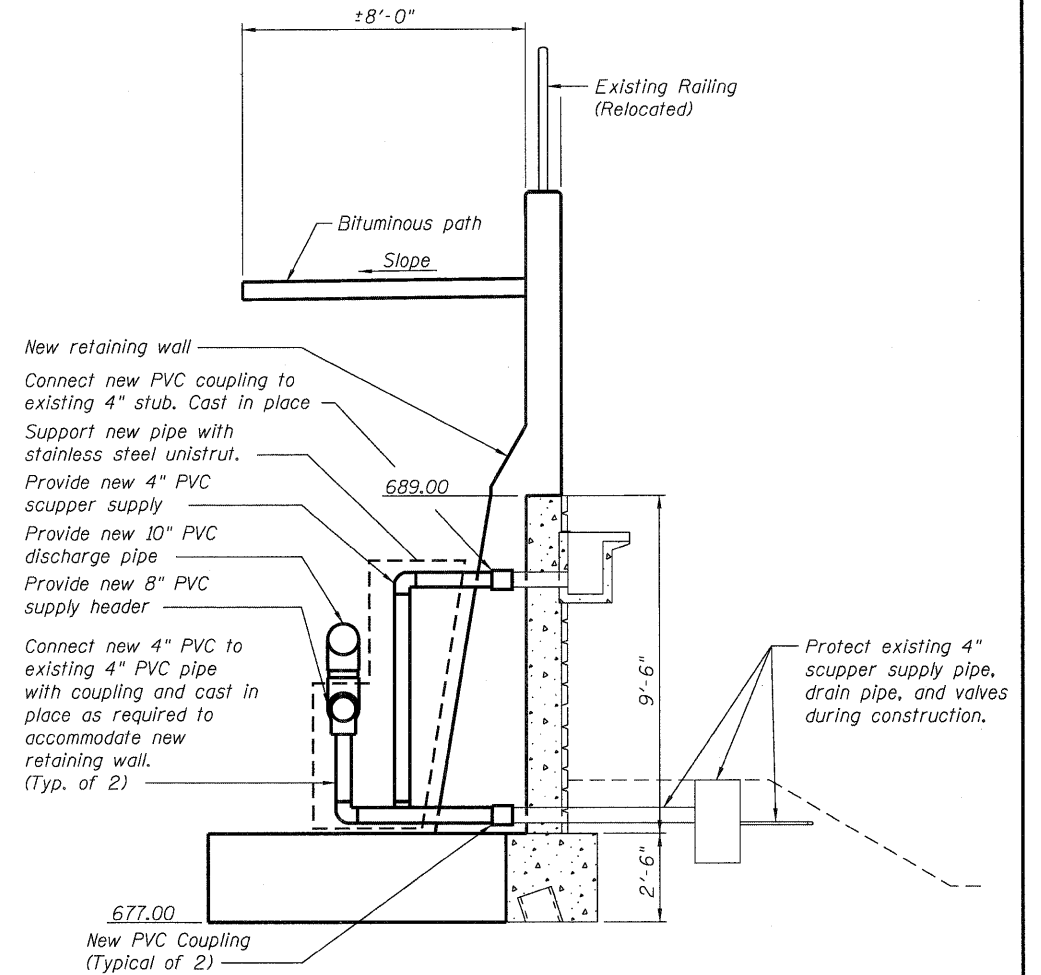
PUMP VAULT PLAN
Scale: 3/8" = 1'-0"



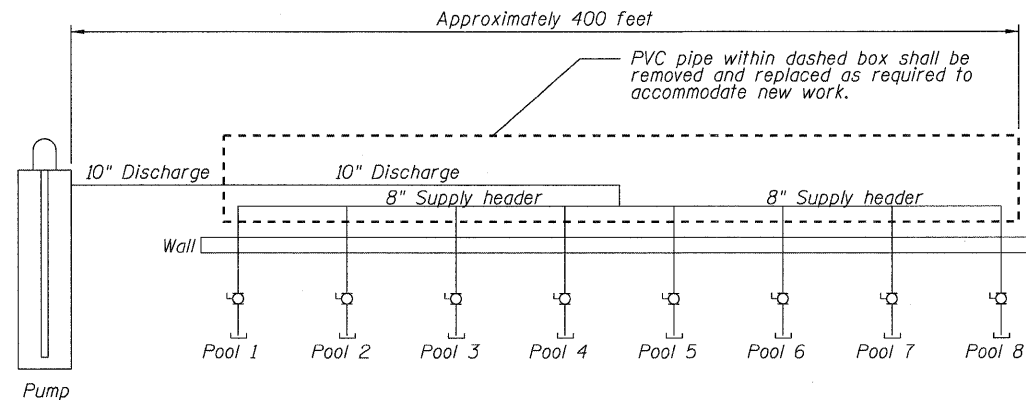
PUMP VAULT SECTION
Scale: 3/8" = 1'-0"



EXISTING WATER FEATURE PIPING DEMOLITION
TYPICAL OF 8
Scale: 3/8" = 1'-0"



NEW WATER FEATURE PIPING
TYPICAL OF 8
Scale: 3/8" = 1'-0"



WATER FEATURE PIPING SCHEMATIC
Scale: Not to Scale

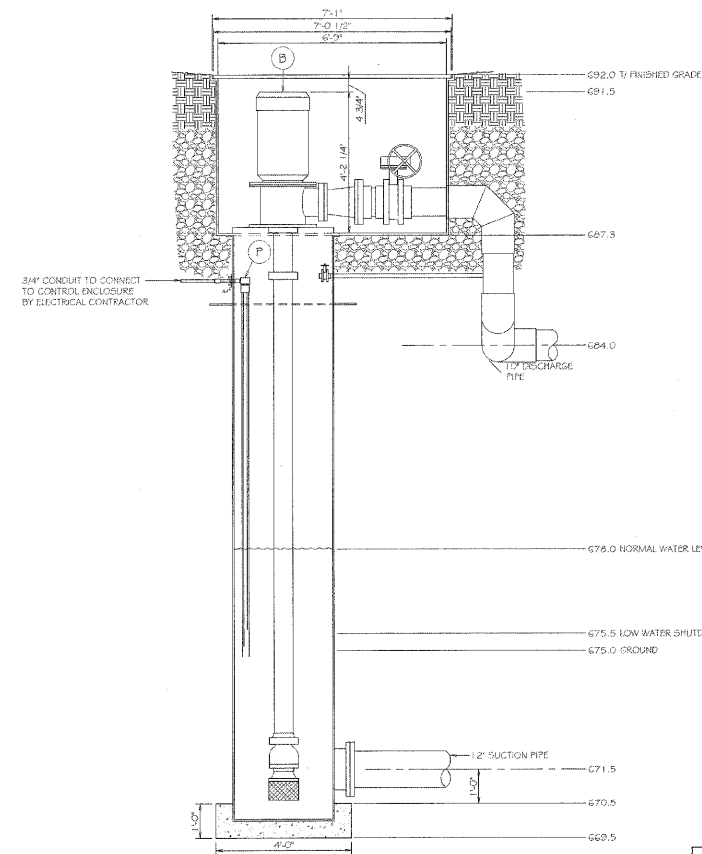
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|----------|-----|
| DESIGNED | WMC |
| CHECKED | APF |
| DRAWN | WMC |
| CHECKED | APF |

WATER FEATURE REVISIONS

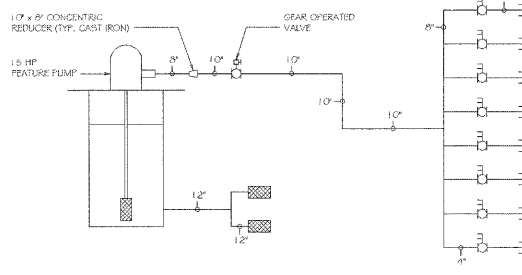
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|--------------|--------------------|---------|------------------|--------------|-----------|
| SHEET NO. 12 | F.A.P RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | 330 | 73 R-B | COOK | 136 | 101 |
| 23 SHEETS | CONTRACT NO. 60K64 | | DATE: 12/17/10 | | |
| ILLINOIS | | | FED. AID PROJECT | | |

McDonough Associates Inc.
Engineers / Architects
130 East Randolph Street Chicago, Illinois 60601

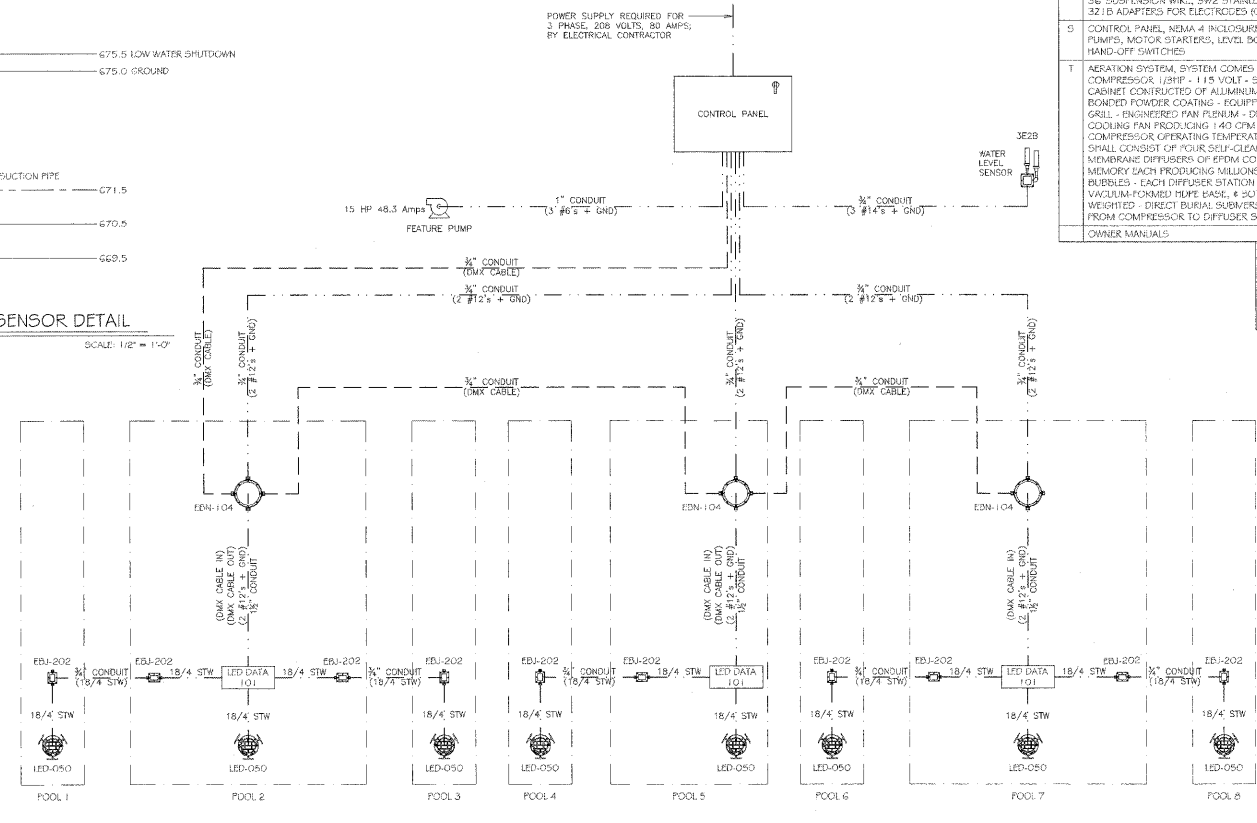
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



1 FIBERGLASS PUMP PIT AND LEVEL SENSOR DETAIL
SCALE: 1/2" = 1'-0"



2 WATER FEATURE PLUMBING SCHEMATIC
SCALE: NOT TO SCALE



3 WATER FEATURE ELECTRICAL DIAGRAM
NOT TO SCALE

ORLAND PARK TRIANGLE WATER FEATURE
EQUIPMENT LIST

| ITEM | DESCRIPTION | MANUFACTURER | CATALOG NO. | QTY. |
|------|--|------------------|--|------|
| A | DIRECT BURIAL HEAVY-DUTY FIBERGLASS PUMP PIT, UNIT TO BE SUPPLIED WITH 36\"/> | FOUNTAIN TECH. | FTP-360 | 1 |
| B | 15 HP FEATURE PUMP, 208 VOLT, THREE PHASE, 48.5 FULL LOAD AMPS, 600 GPM @ 3' HEAD | GRSWOLD | GJ11LC 15 T | 1 |
| C | CUSTOM FABRICATED FIBER GLASS VALVE BONDS | FOUNTAIN TECH. | CUSTOM | 6 |
| D | SCREEN, UNIT SHALL BE CUSTOM FABRICATED STAINLESS STEEL SCREEN SUCTION FITTING, 12\"/> | FOUNTAIN TECH. | CUSTOM | 2 |
| E | POOL DRAIN, BODY SHALL BE CAST-BRONZE, REVERSIBLE CLAMP COLLAR, ADJUSTABLE EXTENSION, AND FLUG WITH TAPERED WATER-TIGHT GIP, 2\"/> | FOUNTAIN TECH. | DPB-200 | 6 |
| F | INLET SLEEVE FITTING, CONSTRUCTION OF SLEEVE FITTING SHALL BE CAST BRONZE WITH STAINLESS STEEL FASTENERS, 4\"/> | FOUNTAIN TECH. | DTS-400 | 6 |
| G | UNDERWATER LED LIGHT, CONSTRUCTION OF HOUSING AND RESIN GUARD SHALL BE CAST BRONZE, COME COMPLETE WITH U-SHAPED MOLDED GASKET, PORCELAIN MOGUL END PRONG SOCKET, ALL FASTENERS SHALL BE STAINLESS STEEL | FOUNTAIN TECH. | LEDCOSOP | 6 |
| H | LED LAMP NARROW SPOT, 24V/25W | FOUNTAIN TECH. | LEDEQ050S | 6 |
| I | LED POWER DATA SUPPLY | FOUNTAIN TECH. | LEDDATA101 | 3 |
| J | LED PLAYER | FOUNTAIN TECH. | LEDDUE | 1 |
| K | 2 POSITION JUNCTION BOX, BODY SHALL BE CAST BRONZE WITH NEOPRENE COVER GASKET, STAINLESS STEEL FASTENERS AND INTERNAL GROUND CONNECTION | FOUNTAIN TECH. | EBJ-202 | 10 |
| L | CORD SEALS, THREADED CONNECTOR, COMPRESSION NUT AND FRICTION WASHER SHALL BE CAST-BRONZE WITH NEOPRENE MOLDED COMPRESSION SEAL | FOUNTAIN TECH. | EGS-052 | 16 |
| M | 4 POSITION FLUSH MOUNTED JUNCTION BOX, BODY SHALL BE CAST BRONZE WITH NEOPRENE COVER GASKET, STAINLESS STEEL FASTENERS AND INTERNAL GROUND CONNECTION | FOUNTAIN TECH. | EBN-104 | 3 |
| N | FLUSH MOUNTED JUNCTION BOX CORD SEAL, THREADED CONNECTOR, COMPRESSION NUT AND FRICTION WASHER SHALL BE CAST BRONZE WITH NEOPRENE MOLDED COMPRESSION SEAL | FOUNTAIN TECH. | EGN-075 | 6 |
| O | ELECTRICAL STUB UP, STUB UP PIPE SHALL BE RED BRASS WITH CAST BRONZE FLANGE SOLDERED TO PIPE AND STAINLESS STEEL FASTENERS | FOUNTAIN TECH. | EPA-150 | 3 |
| P | ELECTRICAL STUB UP, STUB UP PIPE SHALL BE RED BRASS WITH CAST BRONZE FLANGE SOLDERED TO PIPE AND STAINLESS STEEL FASTENERS | FOUNTAIN TECH. | EPA-075 | 10 |
| Q | POTTING COMPOUND, WATERPROOF GEL, WIRE CONNECTION SEALANT | FOUNTAIN TECH. | CUSTOM | 6 |
| R | GENERAL-PURPOSE MULTI-PROBE LEVEL SENSOR, BODY SHALL BE BRASS, PRESSURE RIGID ASSEMBLY SIZED TO ACCOMMODATE 2 PROBES, 32 A 36 SUSPENSION WIRES, 3/16\"/> | WARRICK CONTROLS | 3E2E 321A - 36 3W2 (2) 321B (2) | 1 |
| S | CONTROL PANEL, NEMA 4 ENCLOSURE, SUPPLIED WITH TIME CLOCK FOR PUMPS, MOTOR STARTERS, LEVEL BOARD, RELAYS, AND ALL REQUIRED HAND-OFF SWITCHES | FOUNTAIN TECH. | CUSTOM | 1 |
| T | AERATION SYSTEM, SYSTEM COMES WITH A BROOKAUMOOD COMPRESSOR, 1/2HP - 115 VOLT - SINGLE PHASE, QUIETAIR AIR, 1XL CABINET CONSTRUCTED OF ALUMINUM WITH GRAY ELECTROSTATICALLY BROWNED POWER COATING - EQUIPPED WITH A STAMPED VENTILATION GRILL - ENGINEERED PAN FULNEM - DIRECTED EXHAUST AND AN INTEGRAL COOLING FAN PRODUCING 140 CFM TO GUARD AGAINST EXCESSIVE COMPRESSOR OPERATING TEMPERATURES, AIRATION ASSEMBLY SHALL CONSIST OF FOUR SELF-CLEANING 9\"/> | VERTEX | AIR XL | 1 |
| | OWNER MANUALS | FOUNTAIN TECH. | CUSTOM | 3 |

NOTE:
FOR EQUIPMENT SUPPLY AND INSTALLATION CONTACT:
FOUNTAIN TECHNOLOGIES, LTD.
300 INDUSTRIAL LANE, WHEELING, ILLINOIS 60090
MR. ROBERT WATSON
TEL: (847) 537-3677
FAX: (847) 537-9904



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221 West Jefferson Avenue
Naperville, Illinois 60540
T 630.961.1787
F 630.961.9925

PREPARED FOR
LR Contracting Company
737 North Michigan Ave.
Suite 300
Chicago, IL 60611

PROJECT
Orland Park Triangle - Phase 1
Orland Park, Illinois

PROJECT NUMBER
01-0733-001-R01-01-06

CONSULTANTS
FOUNTAIN TECHNOLOGIES
300 INDUSTRIAL LANE
WHEELING, IL 60090
TEL: (847) 537-3677
FAX: (847) 537-9904

ISSUED FOR CONSTRUCTION
November 20, 2006

| REVISIONS | No. | Date | Issue |
|-----------|----------|------------------|-------|
| 1 | 04-02-07 | Revised Plans | |
| 2 | 04-24-07 | For Construction | |

DRAWN BY
BW / RH
CHECKED BY
BW

SHEET TITLE
WATER FEATURE DETAILS

SCALE IN FEET
as noted



SHEET NUMBER
FT-1

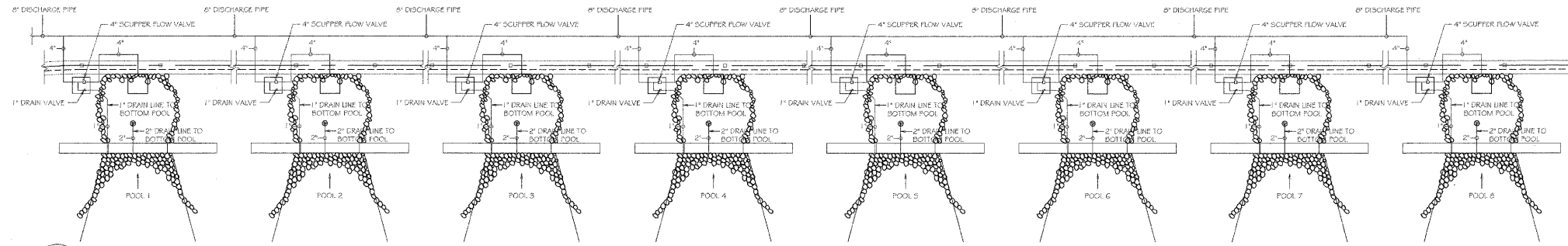
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| DESIGNED | AMV |
| CHECKED | JCE |
| DRAWN | AMV |
| CHECKED | JCE |

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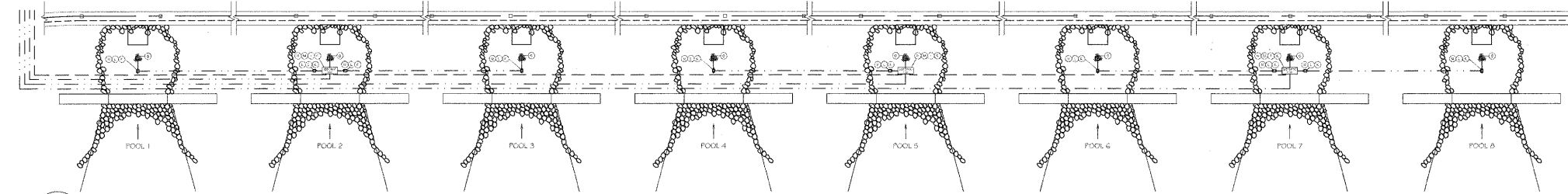
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|----------------|------------|---------------------------|--------|--------------|-----------|
| SHEET NO. 13 | F.A.P RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | 330 | 73 R-B | COOK | 136 | 102 |
| 23 SHEETS | | CONTRACT NO. 60K64 | | | |
| DATE: 12/17/10 | | ILLINOIS FED. AID PROJECT | | | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



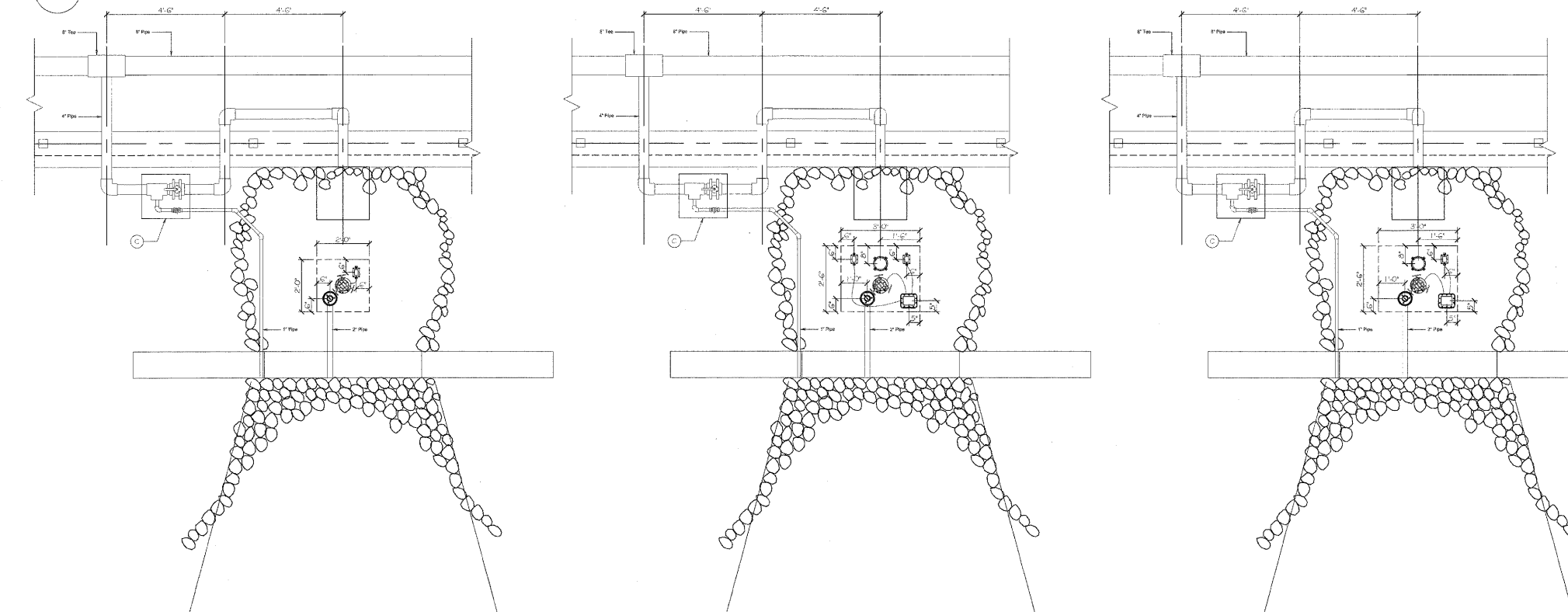
1 WATER FEATURE DISCHARGE & DRAINAGE PIPING LAYOUT

SCALE: 3/16" = 1'-0"



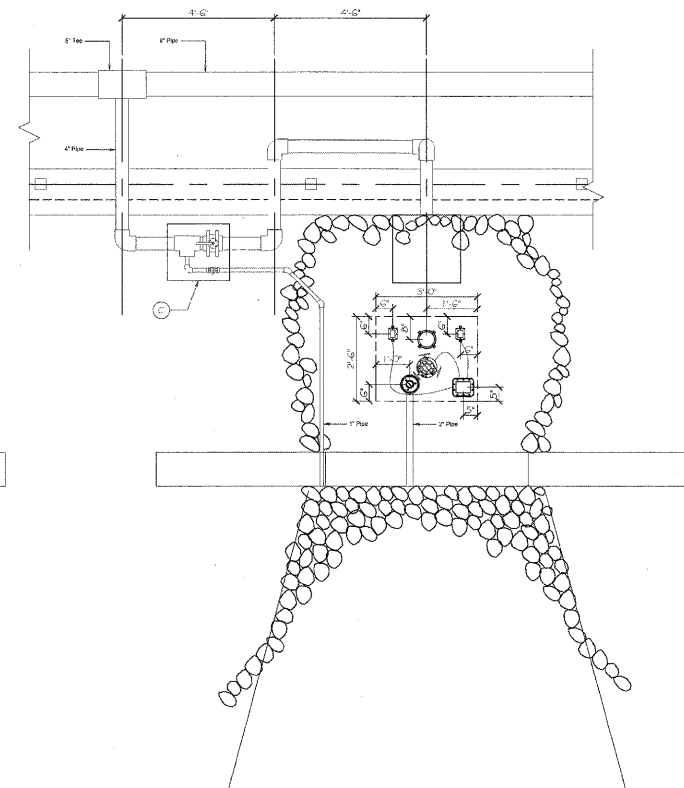
2 WATER FEATURE ELECTRICAL PIPING LAYOUT

SCALE: 3/16" = 1'-0"



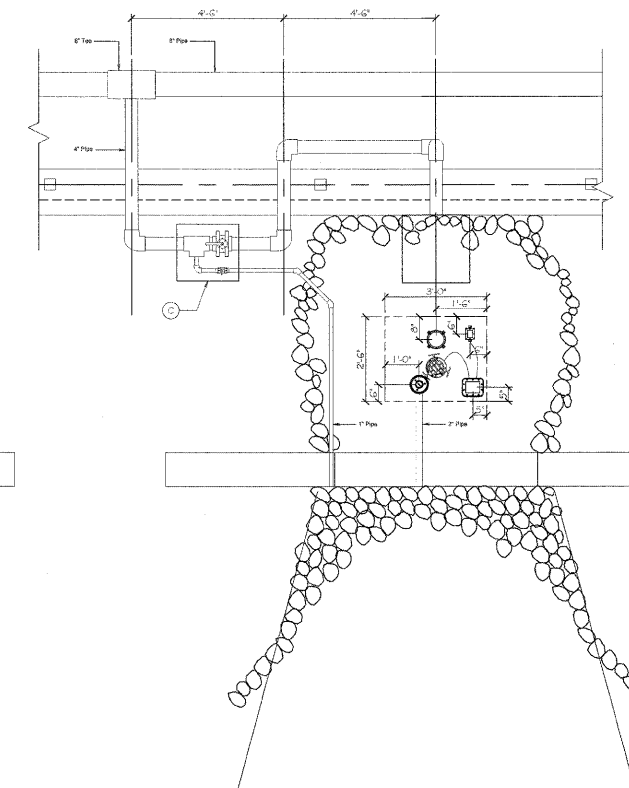
3 TYPICAL EQUIPMENT LAYOUT IN POOL 1, 3, 4, 6, 8

SCALE: 1/2" = 1'-0"



4 TYPICAL EQUIPMENT LAYOUT IN POOL 2, 7

SCALE: 1/2" = 1'-0"



5 EQUIPMENT LAYOUT IN POOL 5

SCALE: 1/2" = 1'-0"



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PREPARED FOR
LR Contracting Company
737 North Michigan Ave.
Suite 300
Chicago, IL 60611

PROJECT
Orland Park Triangle - Phase 1
Orland Park, Illinois

PROJECT NUMBER
01-0733-001-X01-01-06

CONSULTANTS
FOUNTAIN TECHNOLOGIES
300 INDUSTRIAL LANE
WHEELING, IL 60090
TEL: (847) 537-3677
FAX: (847) 537-9904

ISSUED FOR CONSTRUCTION
November 20, 2006

| REVISIONS | No. | Date | Issue |
|-----------|-----|----------|------------------|
| | 1 | 04-02-07 | Revised Plans |
| | 2 | 04-24-07 | For Construction |

DRAWN BY
BW / RH
CHECKED BY
BW

SHEET TITLE
WATER FEATURE DETAILS

SCALE IN FEET
as noted



SHEET NUMBER
FT-2

| | |
|----------|-----|
| DESIGNED | AMV |
| CHECKED | JCE |
| DRAWN | AMV |
| CHECKED | JCE |

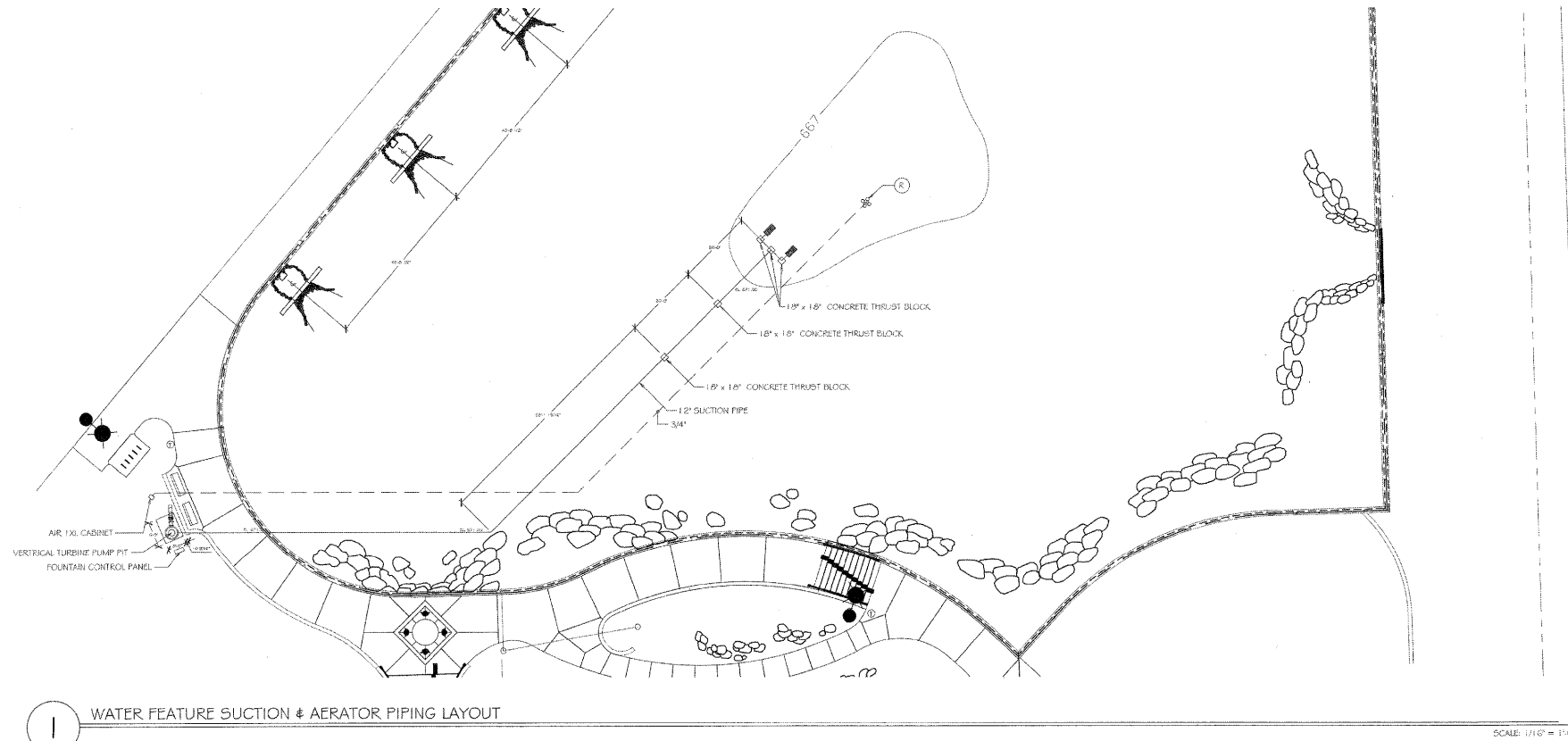
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Engineers / Architects
130 East Randolph Street Chicago, Illinois 60601

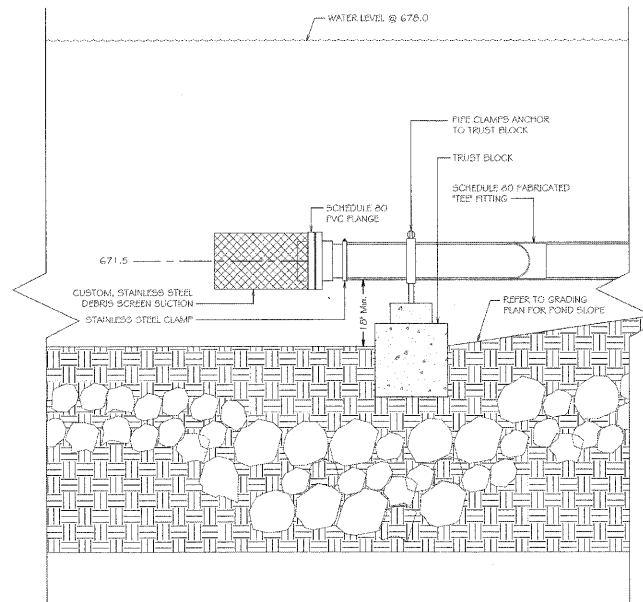
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|--------------------|----------------|---------|---------------------------|--------------|-----------|
| SHEET NO. 14 | F.A.P RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | 330 | 73 R-B | COOK | 136 | 103 |
| 23 SHEETS | DATE: 12/17/10 | | ILLINOIS FED. AID PROJECT | | |
| CONTRACT NO. 60K64 | | | | | |

EXISTING WATER FEATURE DETAILS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



1 WATER FEATURE SUCTION & AERATOR PIPING LAYOUT
SCALE: 1/16" = 1'-0"



2 12" SUCTION PIPE DETAIL
SCALE: 1/2" = 1'-0"



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Chicago, IL 60611

PROJECT
Orland Park Triangle - Phase 1
Orland Park, Illinois

PROJECT NUMBER
01-0733-001-K01-01-06

CONSULTANTS
FOUNTAIN TECHNOLOGIES
30 INDUSTRIAL LANE
WHEELING, IL 60090
TEL: (847) 537-3677
FAX: (847) 537-9904

ISSUED
FOR CONSTRUCTION
November 20, 2006

| REVISIONS | No. | Date | Issue |
|-----------|-----|----------|------------------|
| | 1 | 04-02-07 | Revised Plans |
| | 2 | 04-24-07 | For Construction |

DRAWN BY
BW / RH
CHECKED BY
BW

SHEET TITLE
WATER FEATURE DETAILS

SCALE IN FEET
as noted



SHEET NUMBER
FT-3

| | |
|----------|-----|
| DESIGNED | AMV |
| CHECKED | JCE |
| DRAWN | AMV |
| CHECKED | JCE |

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Engineers / Architects
130 East Randolph Street Chicago, Illinois 60601

| | | | | | |
|---------------------------|---------------|---------|---------------------------|--------------|-----------|
| SHEET NO. 15 23 SHEETS | F.A.P RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | 330 | 73 R-B | COOK | 136 | 104 |
| DATE: 12/17/10 | | | ILLINOIS FED. AID PROJECT | | |
| CONTRACT NO. 60K64 | | | | | |

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737 North Michigan Ave.
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PROJECT
Orland Park Triangle - Phase 1
Orland Park, Illinois

PROJECT NUMBER
01-0733-001-x01-01-06

CONSULTANTS

FOUNTAIN TECHNOLOGIES
30 INDUSTRIAL LANE
WHEELING, IL 60090
TEL: (847) 537-3677
FAX: (847) 537-9904

ISSUED
FOR CONSTRUCTION
November 20, 2006

| REVISIONS | No. | Date | Issue |
|-----------|-----|----------|------------------|
| | 1 | 04-02-07 | Revised Plans |
| | 2 | 04-24-07 | For Construction |

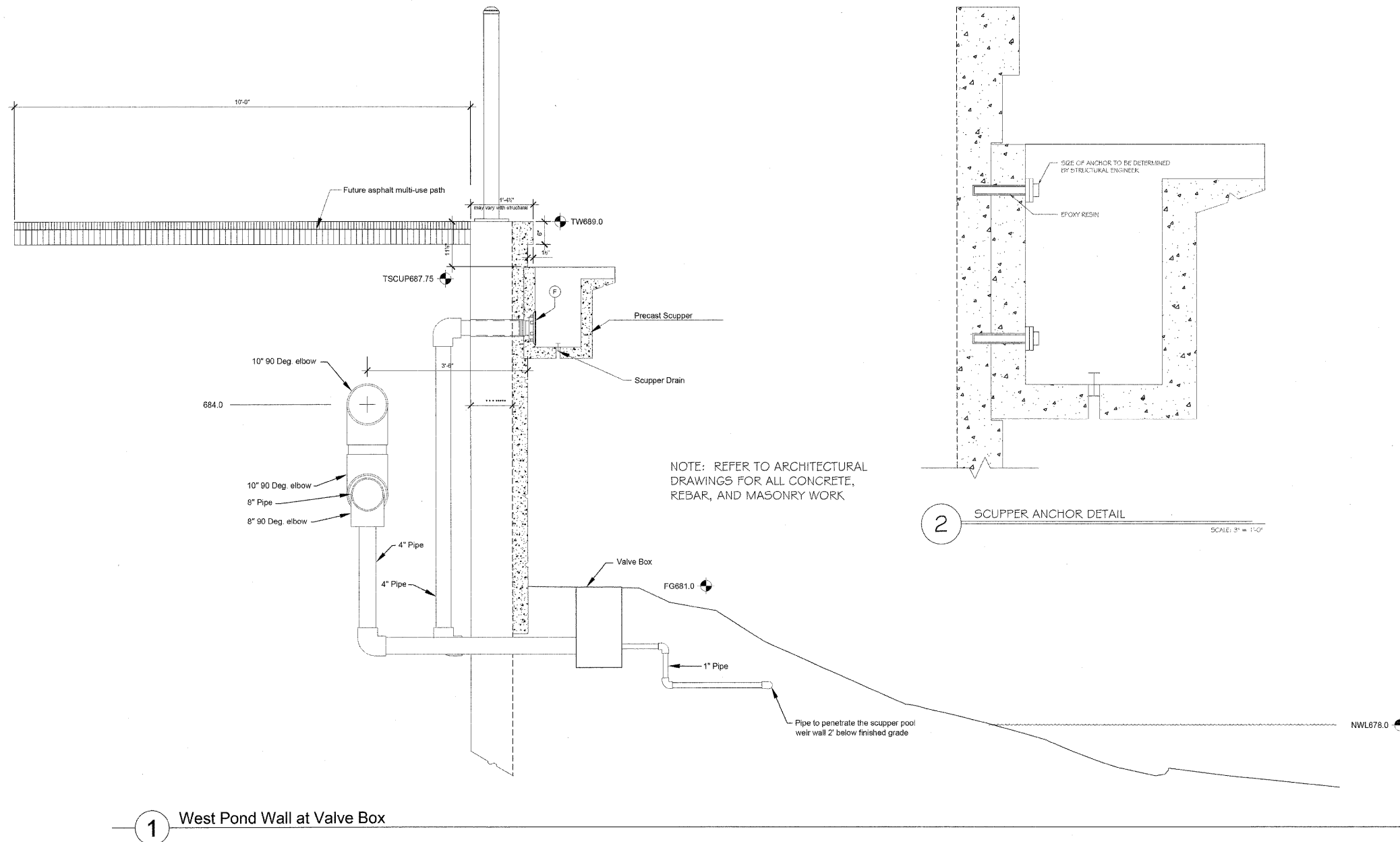
DRAWN BY
BW / RH
CHECKED BY
BW

SHEET TITLE
WATER FEATURE DETAILS

SCALE IN FEET
as noted



SHEET NUMBER
FT-4



NOTE: REFER TO ARCHITECTURAL DRAWINGS FOR ALL CONCRETE, REBAR, AND MASONRY WORK

1 West Pond Wall at Valve Box

2 SCUPPER ANCHOR DETAIL

SCALE: 3/8" = 1'-0"

1" = 1'-0"

| | |
|----------|-----|
| DESIGNED | AMV |
| CHECKED | JCE |
| DRAWN | AMV |
| CHECKED | JCE |

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Engineers / Architects
130 East Randolph Street Chicago, Illinois 60601

| | | | | | |
|----------------|--------------------|------------------|--------|--------------|-----------|
| SHEET NO. 16 | F.A.P RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | 330 | 73 R-B | COOK | 136 | 105 |
| 23 SHEETS | CONTRACT NO. 60K64 | | | | |
| DATE: 12/17/10 | ILLINOIS | FED. AID PROJECT | | | |

EXISTING WATER FEATURE DETAILS

STATE OF ILLINOIS
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PREPARED FOR
**LR Contracting
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737 North Michigan Ave.
Suite 300
Chicago, IL 60611

PROJECT
**Orland
Park
Triangle -
Phase 1**
Orland Park, Illinois

PROJECT NUMBER
01-0733-001-x01-01-06

CONSULTANTS
FOUNTAIN TECHNOLOGIES
300 INDUSTRIAL LANE
WHEELING, IL 60090
TEL: (847) 537-3677
FAX: (847) 537-9904

ISSUED
FOR CONSTRUCTION
November 20, 2006

| REVISIONS | No. | Date | Issue |
|-----------|-----|----------|------------------|
| | 1 | 04-02-07 | Revised Plans |
| | 2 | 04-24-07 | For Construction |

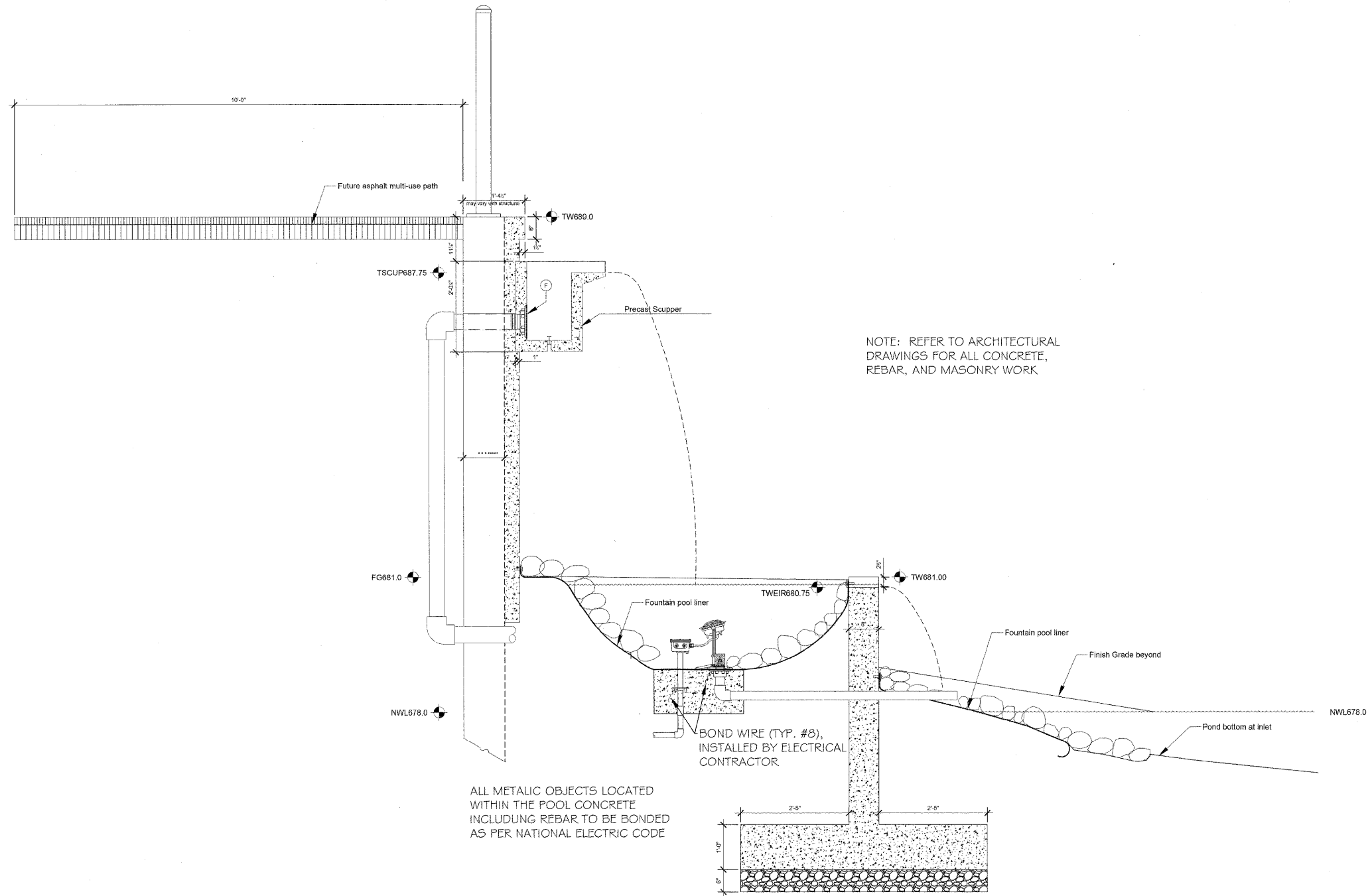
DRAWN BY
BW / RH
CHECKED BY
BW

SHEET TITLE
**WATER
FEATURE
DETAILS**

SCALE IN FEET
as noted



SHEET NUMBER
FT-5



1 West Pond Wall at Scupper

| | |
|----------|-----|
| DESIGNED | AMV |
| CHECKED | JCE |
| DRAWN | AMV |
| CHECKED | JCE |

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INFORMATION
ONLY**

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Engineers / Architects
130 East Randolph Street Chicago, Illinois 60601

| | | | | | |
|---------------------------|----------------------|---------------------------|----------------|------------------------|---------------------|
| SHEET NO. 17 23 SHEETS | F.A.P RTE. 330 | SECTION 73 R-B | COUNTY COOK | TOTAL SHEETS 136 | SHEET NO. 106 |
| | CONTRACT NO. 60K64 | | | | |
| DATE: 12/17/10 | | ILLINOIS FED. AID PROJECT | | | |

EXISTING WATER FEATURE DETAILS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



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Suite 300
Chicago, IL 60611

PROJECT
Orland Park Triangle - Phase 1
Orland Park, Illinois

PROJECT NUMBER
01-0733-001-x01-01-06

CONSULTANTS
FOUNTAIN TECHNOLOGIES
300 INDUSTRIAL LANE
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TEL: (847) 537-3677
FAX: (847) 537-9904

ISSUED
FOR CONSTRUCTION
November 20, 2006

| REVISIONS | No. | Date | Issue |
|-----------|-----|----------|------------------|
| | 1 | 04-02-07 | Revised Plans |
| | 2 | 04-24-07 | For Construction |

DRAWN BY
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CHECKED BY
BW

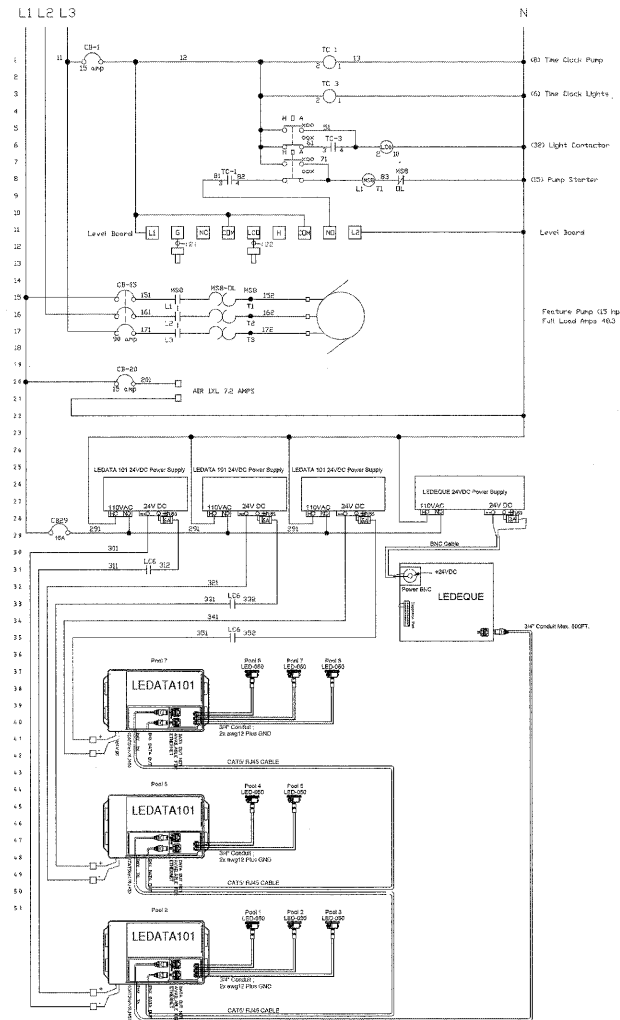
SHEET TITLE
WATER FEATURE DETAILS

SCALE IN FEET
as noted



SHEET NUMBER
FT-6

Fountain Technologies
Orland Park Triangle Water Feature
208 volt three phase 4 wire



| | |
|----------|-----|
| DESIGNED | AMV |
| CHECKED | JCE |
| DRAWN | AMV |
| CHECKED | JCE |

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Engineers / Architects
130 East Randolph Street Chicago, Illinois 60601

| | | | | | |
|---------------------------|----------------------|---------------------------|----------------|------------------------|---------------------|
| SHEET NO. 18 23 SHEETS | F.A.P RTE. 330 | SECTION 73 R-B | COUNTY COOK | TOTAL SHEETS 136 | SHEET NO. 107 |
| | CONTRACT NO. 60K64 | | | | |
| DATE: 12/17/10 | | ILLINOIS FED. AID PROJECT | | | |

EXISTING WATER FEATURE DETAILS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

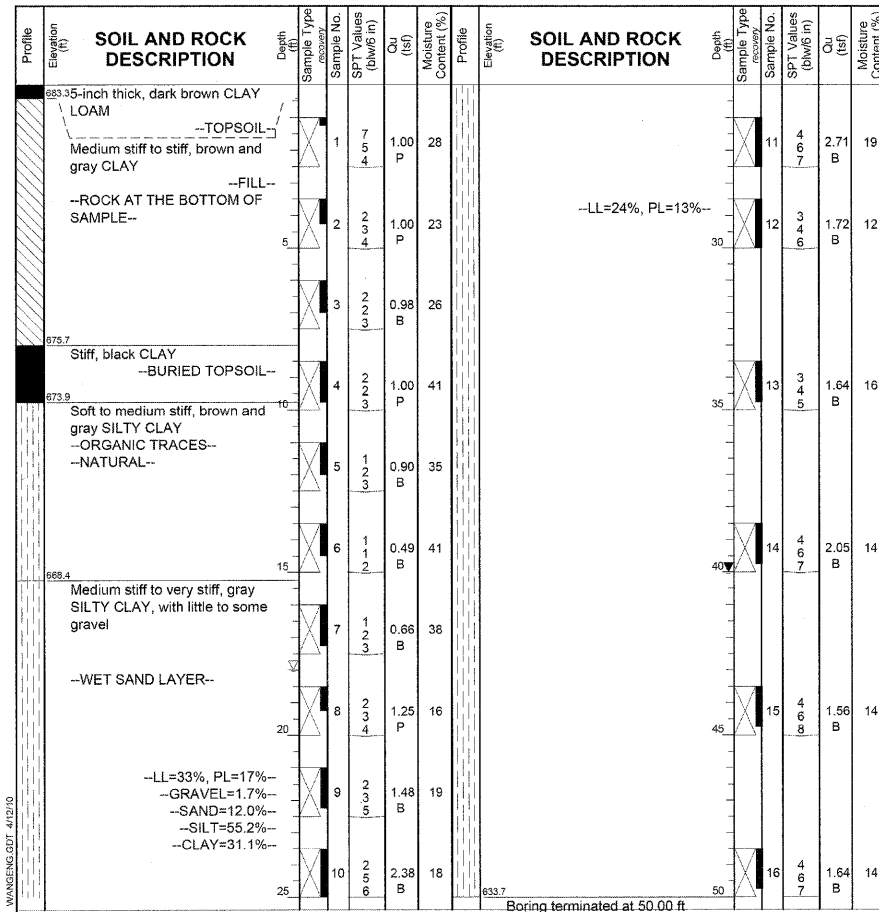
BORING LOG RW-03 Page 1 of 1

Wang Engineering, Inc.
wangeng@wangeng.com
1145 N. Main Street
Lombard, IL 60148
Telephone: 630 953-9928
Fax: 630 953-9938

WEI Job No.: 201-40-01

Client: **McDonough Associates**
Project: **US 45 Metra Wall**
Location: **Orland Park, IL**

Datum: NGVD
Elevation: 683.69 ft
North: 1809873.29 ft
East: 1115124.08 ft
Station:
Offset:



| GENERAL NOTES | | WATER LEVEL DATA | |
|---------------------|---|---------------------------|------------|
| Begin Drilling | 03-30-2010 | Complete Drilling | 03-30-2010 |
| Drilling Contractor | WTS | Drill Rig | D 50 ATV |
| Driller | K&J | Logger | H. Suhail |
| Drilling Method | 3.25 IDA HSA; Boring backfilled upon completion | | |
| While Drilling | 18.00 ft | At Completion of Drilling | 40.00 ft |
| Time After Drilling | NA | Depth to Water | NA |

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

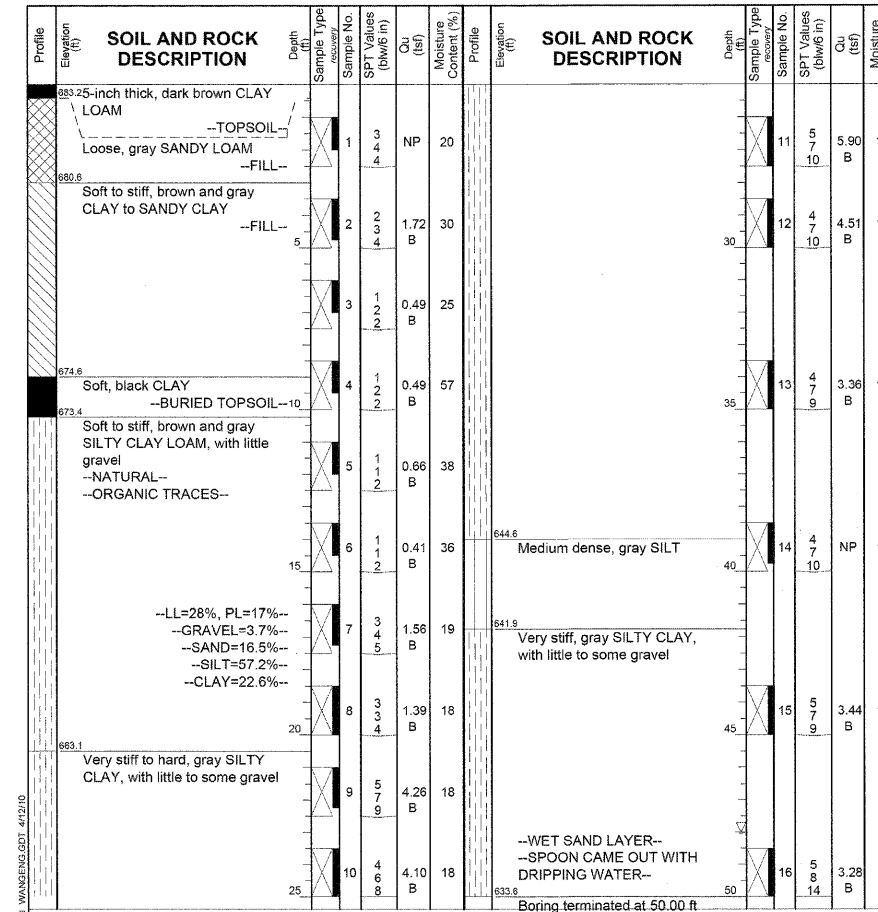
BORING LOG RW-04 Page 1 of 1

Wang Engineering, Inc.
wangeng@wangeng.com
1145 N. Main Street
Lombard, IL 60148
Telephone: 630 953-9928
Fax: 630 953-9938

WEI Job No.: 201-40-01

Client: **McDonough Associates**
Project: **US 45 Metra Wall**
Location: **Orland Park, IL**

Datum: NGVD
Elevation: 683.64 ft
North: 1809817.70 ft
East: 1115074.00 ft
Station:
Offset:



| GENERAL NOTES | | WATER LEVEL DATA | |
|---------------------|---|---------------------------|------------|
| Begin Drilling | 03-30-2010 | Complete Drilling | 03-30-2010 |
| Drilling Contractor | WTS | Drill Rig | D 50 ATV |
| Driller | K&J | Logger | H. Suhail |
| Drilling Method | 3.25 IDA HSA; Boring backfilled upon completion | | |
| While Drilling | 48.00 ft | At Completion of Drilling | DRY |
| Time After Drilling | NA | Depth to Water | NA |

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

| | |
|----------|-----|
| DESIGNED | AMV |
| CHECKED | JCE |
| DRAWN | AMV |
| CHECKED | JCE |

SOIL BORING LOGS

| | | | | | |
|--------------|--------------------|---------|------------------|--------------|-----------|
| SHEET NO. 20 | F.A.P RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | 330 | 73 R-B | COOK | 136 | 109 |
| 23 SHEETS | CONTRACT NO. 60K64 | | DATE: 12/17/10 | | |
| ILLINOIS | | | FED. AID PROJECT | | |

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Engineers / Architects
130 East Randolph Street Chicago, Illinois 60601

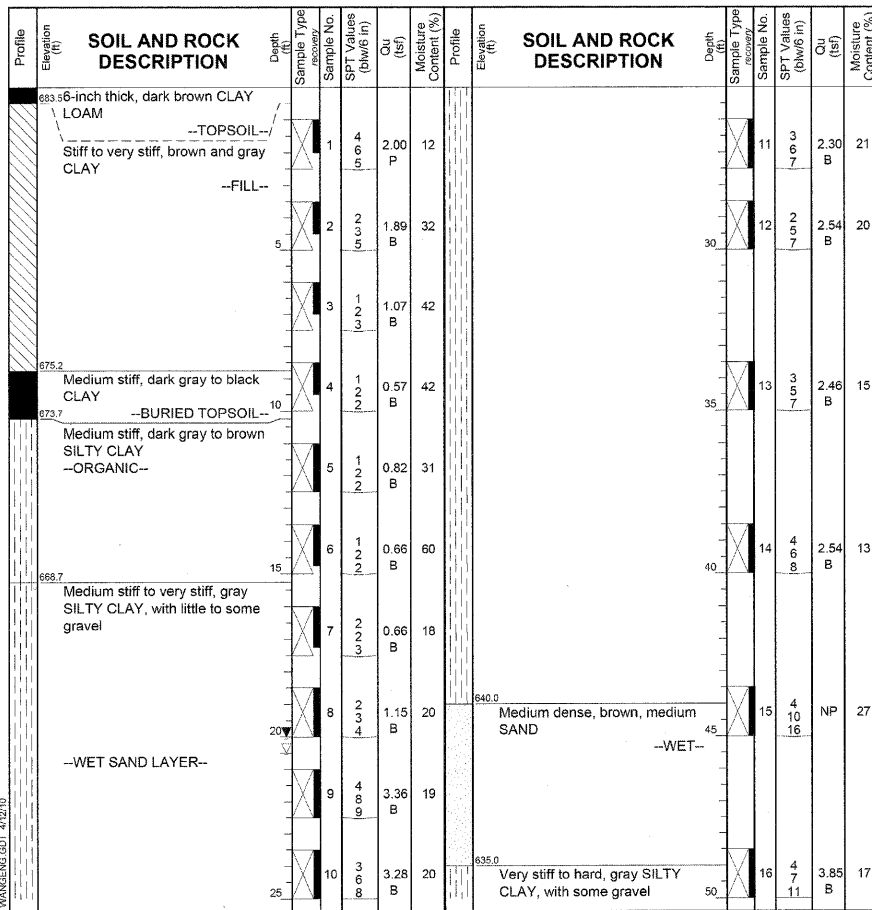
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOG RW-05 Page 1 of 2

Wang Engineering, Inc.
wangeng@wangeng.com
1145 N. Main Street
Lombard, IL 60148
Telephone: 630 953-9928
Fax: 630 953-9938

Client: **McDonough Associates**
Project: **US 45 Metra Wall**
Location: **Orland Park, IL**

Datum: NGVD
Elevation: 683.99 ft
North: 1809760.32 ft
East: 1115021.19 ft
Station:
Offset:



GENERAL NOTES

Begin Drilling 03-30-2010 Complete Drilling 03-31-2010
Drilling Contractor WTS Drill Rig D 50 ATV
Driller K&J Logger H. Suhail Checked by
Drilling Method 3.25 IDA HSA; Boring backfilled upon completion

WATER LEVEL DATA

While Drilling 20.50 ft
At Completion of Drilling 20.00 ft
Time After Drilling NA
Depth to Water NA

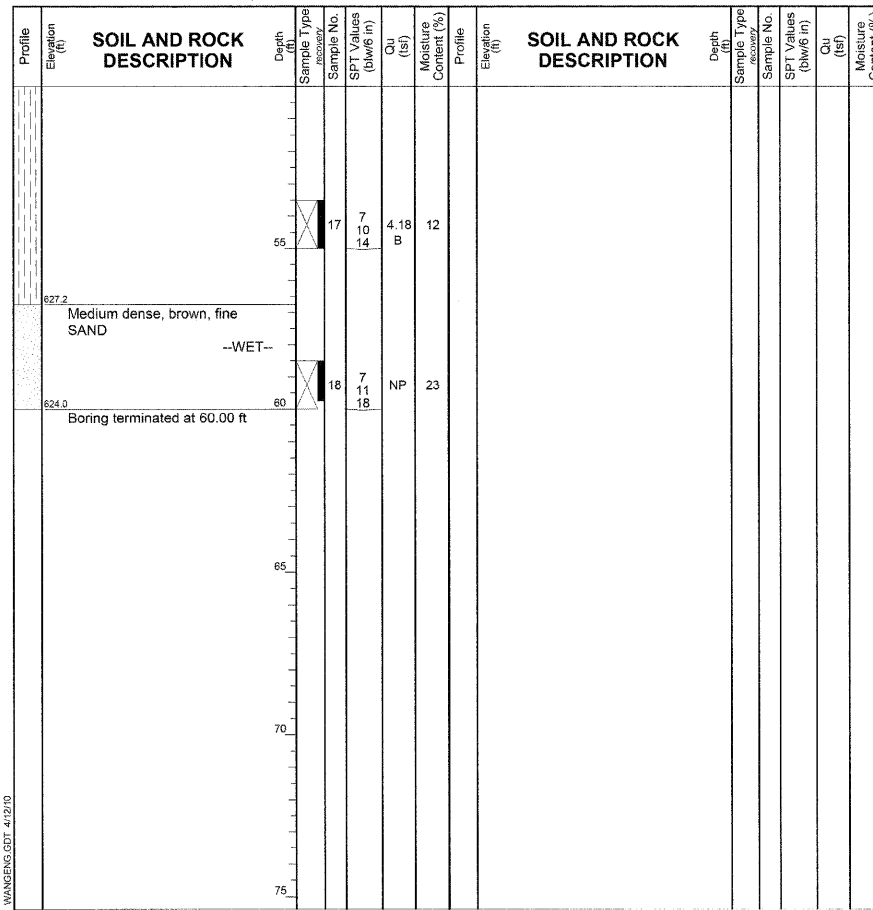
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

BORING LOG RW-05 Page 2 of 2

Wang Engineering, Inc.
wangeng@wangeng.com
1145 N. Main Street
Lombard, IL 60148
Telephone: 630 953-9928
Fax: 630 953-9938

Client: **McDonough Associates**
Project: **US 45 Metra Wall**
Location: **Orland Park, IL**

Datum: NGVD
Elevation: 683.99 ft
North: 1809760.32 ft
East: 1115021.19 ft
Station:
Offset:



GENERAL NOTES

Begin Drilling 03-30-2010 Complete Drilling 03-31-2010
Drilling Contractor WTS Drill Rig D 50 ATV
Driller K&J Logger H. Suhail Checked by
Drilling Method 3.25 IDA HSA; Boring backfilled upon completion

WATER LEVEL DATA

While Drilling 20.50 ft
At Completion of Drilling 20.00 ft
Time After Drilling NA
Depth to Water NA

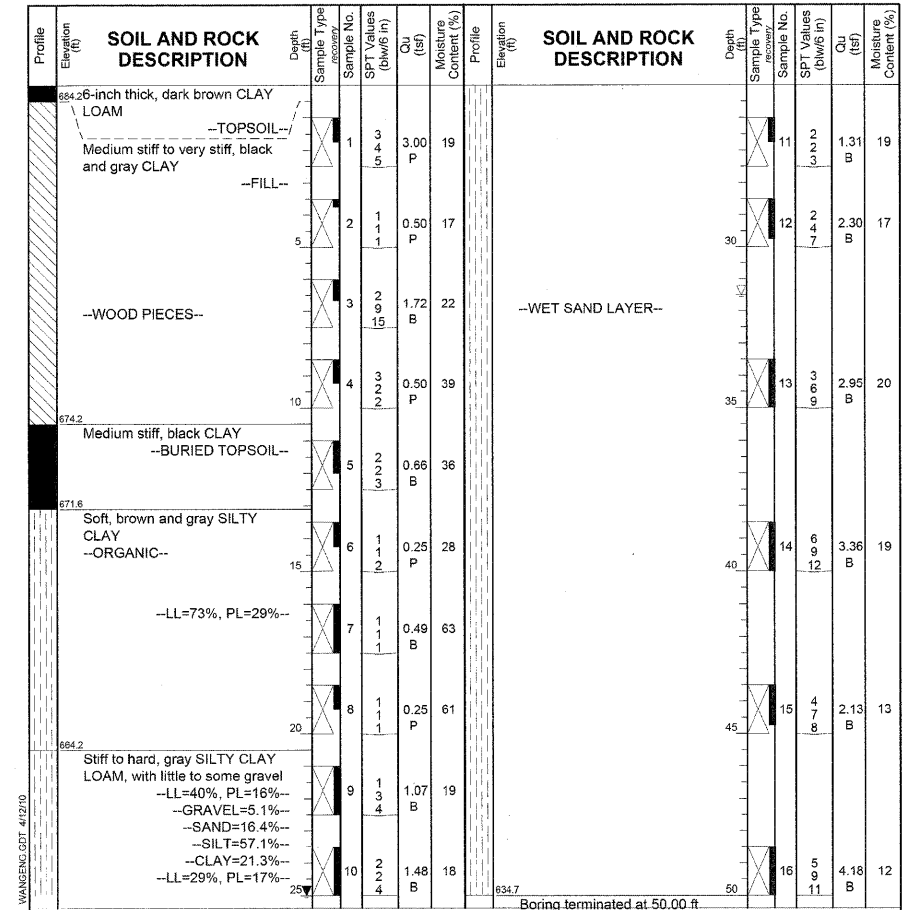
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

BORING LOG RW-06 Page 1 of 1

Wang Engineering, Inc.
wangeng@wangeng.com
1145 N. Main Street
Lombard, IL 60148
Telephone: 630 953-9928
Fax: 630 953-9938

Client: **McDonough Associates**
Project: **US 45 Metra Wall**
Location: **Orland Park, IL**

Datum: NGVD
Elevation: 684.67 ft
North: 1809703.15 ft
East: 1114977.37 ft
Station:
Offset:



GENERAL NOTES

Begin Drilling 03-31-2010 Complete Drilling 03-31-2010
Drilling Contractor WTS Drill Rig D 50 ATV
Driller K&J Logger H. Suhail Checked by
Drilling Method 3.25 IDA HSA; Boring backfilled upon completion

WATER LEVEL DATA

While Drilling 31.50 ft
At Completion of Drilling 25.00 ft
Time After Drilling NA
Depth to Water NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

DESIGNED AMV
CHECKED JCE
DRAWN AMV
CHECKED JCE

McDonough Associates Inc.
Engineers / Architects
130 East Randolph Street Chicago, Illinois 60601

| | | | | | |
|----------------|--------------------|---------|---------------------------|--------------|-----------|
| SHEET NO. 21 | F.A.P RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | 330 | 73 R-B | COOK | 136 | 110 |
| 23 SHEETS | CONTRACT NO. 60K64 | | ILLINOIS FED. AID PROJECT | | |
| DATE: 12/17/10 | | | | | |

SOIL BORING LOGS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOG RW-10 Page 1 of 1
 WEI Job No.: 201-40-01
 Client: McDonough Associates
 Project: US 45 Metra Wall
 Location: Orland Park, IL
 Datum: NGVD
 Elevation: 695.18 ft
 North: 1809474.46 ft
 East: 1114780.71 ft
 Station:
 Offset:

| Profile Elevation (ft) | SOIL AND ROCK DESCRIPTION | Depth (ft) | Sample No. | SPT Values (blows/6 in) | Qu (tsf) | Moisture Content (%) | Profile Elevation (ft) | SOIL AND ROCK DESCRIPTION | Depth (ft) | Sample No. | SPT Values (blows/6 in) | Qu (tsf) | Moisture Content (%) |
|------------------------|--|------------|------------|-------------------------|----------|----------------------|------------------------|---------------------------|------------|------------|-------------------------|----------|----------------------|
| 694.93 | 93-inch thick, dark brown, CLAY LOAM --TOPSOIL-- Stiff to very stiff, brown and gray CLAY, some gravel | 1 | 5 | 9 | 2.00 | 20 | | --Become gray-- | 11 | 5 | 8 | 3.94 | 18 |
| | --FILL-- | 2 | 4 | 1 | 1.25 | 14 | | | 12 | 4 | 9 | 5.41 | 19 |
| | | 3 | 2 | 2 | 1.50 | 23 | | --WET SAND LAYER-- | 13 | 4 | 6 | 1.25 | 22 |
| | | 4 | 3 | 4 | 1.25 | 20 | | | 14 | 3 | 4 | 2.13 | 16 |
| | --Mechanically crushed stone and gas smell-- | 5 | 3 | 4 | 1.00 | 18 | | | 15 | 3 | 4 | 1.64 | 29 |
| 679.7 | Loose, gray SAND and GRAVELL | 6 | 25 | 3 | NP | 24 | | | 16 | 3 | 3 | 1.07 | 28 |
| 677.2 | Medium stiff, black CLAY --BURIED TOPSOIL-- | 7 | 1 | 1 | 0.57 | 27 | | | 17 | 4 | 6 | 1.72 | 29 |
| 674.7 | Stiff to hard, brown and gray SILTY CLAY | 8 | 2 | 3 | 1.56 | 26 | | | 18 | 3 | 3 | 2.79 | 19 |
| | | 9 | 2 | 3 | 1.34 | 27 | | | 19 | 3 | 3 | 2.54 | 21 |
| | | 10 | 2 | 3 | 1.34 | 27 | | | 20 | 3 | 3 | 1.56 | 33 |
| | | 11 | 2 | 3 | 1.34 | 27 | | | 21 | 3 | 3 | 2.54 | 21 |
| | | 12 | 2 | 3 | 1.34 | 27 | | | 22 | 3 | 3 | 2.79 | 19 |
| | | 13 | 2 | 3 | 1.34 | 27 | | | 23 | 3 | 3 | 2.79 | 19 |
| | | 14 | 2 | 3 | 1.34 | 27 | | | 24 | 3 | 3 | 2.79 | 19 |
| | | 15 | 2 | 3 | 1.34 | 27 | | | 25 | 3 | 3 | 2.79 | 19 |
| | | 16 | 2 | 3 | 1.34 | 27 | | | 26 | 3 | 3 | 2.79 | 19 |
| | | 17 | 2 | 3 | 1.34 | 27 | | | 27 | 3 | 3 | 2.79 | 19 |
| | | 18 | 2 | 3 | 1.34 | 27 | | | 28 | 3 | 3 | 2.79 | 19 |
| | | 19 | 2 | 3 | 1.34 | 27 | | | 29 | 3 | 3 | 2.79 | 19 |
| | | 20 | 2 | 3 | 1.34 | 27 | | | 30 | 3 | 3 | 2.79 | 19 |
| | | 21 | 2 | 3 | 1.34 | 27 | | | 31 | 3 | 3 | 2.79 | 19 |
| | | 22 | 2 | 3 | 1.34 | 27 | | | 32 | 3 | 3 | 2.79 | 19 |
| | | 23 | 2 | 3 | 1.34 | 27 | | | 33 | 3 | 3 | 2.79 | 19 |
| | | 24 | 2 | 3 | 1.34 | 27 | | | 34 | 3 | 3 | 2.79 | 19 |
| | | 25 | 2 | 3 | 1.34 | 27 | | | 35 | 3 | 3 | 2.79 | 19 |
| | | 26 | 2 | 3 | 1.34 | 27 | | | 36 | 3 | 3 | 2.79 | 19 |
| | | 27 | 2 | 3 | 1.34 | 27 | | | 37 | 3 | 3 | 2.79 | 19 |
| | | 28 | 2 | 3 | 1.34 | 27 | | | 38 | 3 | 3 | 2.79 | 19 |
| | | 29 | 2 | 3 | 1.34 | 27 | | | 39 | 3 | 3 | 2.79 | 19 |
| | | 30 | 2 | 3 | 1.34 | 27 | | | 40 | 3 | 3 | 2.79 | 19 |
| | | 31 | 2 | 3 | 1.34 | 27 | | | 41 | 3 | 3 | 2.79 | 19 |
| | | 32 | 2 | 3 | 1.34 | 27 | | | 42 | 3 | 3 | 2.79 | 19 |
| | | 33 | 2 | 3 | 1.34 | 27 | | | 43 | 3 | 3 | 2.79 | 19 |
| | | 34 | 2 | 3 | 1.34 | 27 | | | 44 | 3 | 3 | 2.79 | 19 |
| | | 35 | 2 | 3 | 1.34 | 27 | | | 45 | 3 | 3 | 2.79 | 19 |
| | | 36 | 2 | 3 | 1.34 | 27 | | | 46 | 3 | 3 | 2.79 | 19 |
| | | 37 | 2 | 3 | 1.34 | 27 | | | 47 | 3 | 3 | 2.79 | 19 |
| | | 38 | 2 | 3 | 1.34 | 27 | | | 48 | 3 | 3 | 2.79 | 19 |
| | | 39 | 2 | 3 | 1.34 | 27 | | | 49 | 3 | 3 | 2.79 | 19 |
| | | 40 | 2 | 3 | 1.34 | 27 | | | 50 | 3 | 3 | 2.79 | 19 |

GENERAL NOTES
 Begin Drilling 04-02-2010 Complete Drilling 04-02-2010
 Drilling Contractor WTS Drill Rig D 50 ATV
 Driller K&J Logger H. Suhail Checked by
 Drilling Method 3.25 IDA HSA; Boring backfilled upon completion

WATER LEVEL DATA
 While Drilling 31.75 ft
 At Completion of Drilling 30.00 ft
 Time After Drilling NA
 Depth to Water NA
 The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

BORING LOG RW-11 Page 1 of 1
 WEI Job No.: 201-40-01
 Client: McDonough Associates
 Project: US 45 Metra Wall
 Location: Orland Park, IL
 Datum: NGVD
 Elevation: 690.54 ft
 North: 1809422.09 ft
 East: 1114717.60 ft
 Station:
 Offset:

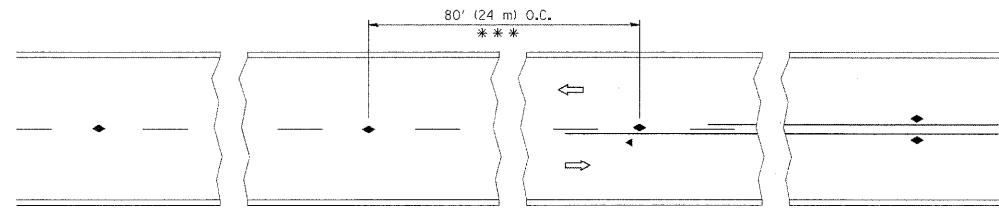
| Profile Elevation (ft) | SOIL AND ROCK DESCRIPTION | Depth (ft) | Sample No. | SPT Values (blows/6 in) | Qu (tsf) | Moisture Content (%) | Profile Elevation (ft) | SOIL AND ROCK DESCRIPTION | Depth (ft) | Sample No. | SPT Values (blows/6 in) | Qu (tsf) | Moisture Content (%) |
|------------------------|---|------------|------------|-------------------------|----------|----------------------|------------------------|---------------------------|------------|------------|-------------------------|----------|----------------------|
| 696.42 | 2-inch thick, dark brown, CLAY LOAM | 1 | 11 | 4 | 2.38 | 21 | | | 11 | 4 | 7 | 2.38 | 21 |
| | Loose to medium dense, black and brown SAND to GRAVELLY SAND | 2 | 12 | 4 | 4.51 | 20 | | | 12 | 4 | 7 | 4.51 | 20 |
| | --FILL-- | 3 | 8 | 9 | NP | 9 | | | 13 | 4 | 6 | 1.64 | 22 |
| 681.5 | Stiff, black CLAY | 4 | 4 | 3 | 1.72 | 29 | | | 14 | 5 | 7 | 2.46 | 15 |
| | --BURIED TOPSOIL-- | 5 | 4 | 4 | 2.00 | 28 | | | 15 | 5 | 7 | 2.46 | 15 |
| 680.0 | Stiff to very stiff, black SILTY CLAY | 6 | 4 | 4 | 1.64 | 29 | | | 16 | 8 | 10 | NP | 13 |
| | | 7 | 1 | 1 | 1.07 | 28 | | | 17 | 1 | 1 | 1.07 | 28 |
| 675.0 | Stiff to hard, brown and gray SILTY CLAY, little to some gravel | 8 | 1 | 1 | 1.56 | 33 | | | 18 | 3 | 3 | 2.54 | 21 |
| | | 9 | 3 | 3 | 2.54 | 21 | | | 19 | 3 | 3 | 2.79 | 19 |
| | --WET SAND LAYER-- | 10 | 3 | 3 | 2.79 | 19 | | | 20 | 3 | 3 | 2.79 | 19 |
| | | 11 | 3 | 3 | 2.79 | 19 | | | 21 | 3 | 3 | 2.79 | 19 |
| | | 12 | 3 | 3 | 2.79 | 19 | | | 22 | 3 | 3 | 2.79 | 19 |
| | | 13 | 3 | 3 | 2.79 | 19 | | | 23 | 3 | 3 | 2.79 | 19 |
| | | 14 | 3 | 3 | 2.79 | 19 | | | 24 | 3 | 3 | 2.79 | 19 |
| | | 15 | 3 | 3 | 2.79 | 19 | | | 25 | 3 | 3 | 2.79 | 19 |
| | | 16 | 3 | 3 | 2.79 | 19 | | | 26 | 3 | 3 | 2.79 | 19 |
| | | 17 | 3 | 3 | 2.79 | 19 | | | 27 | 3 | 3 | 2.79 | 19 |
| | | 18 | 3 | 3 | 2.79 | 19 | | | 28 | 3 | 3 | 2.79 | 19 |
| | | 19 | 3 | 3 | 2.79 | 19 | | | 29 | 3 | 3 | 2.79 | 19 |
| | | 20 | 3 | 3 | 2.79 | 19 | | | 30 | 3 | 3 | 2.79 | 19 |
| | | 21 | 3 | 3 | 2.79 | 19 | | | 31 | 3 | 3 | 2.79 | 19 |
| | | 22 | 3 | 3 | 2.79 | 19 | | | 32 | 3 | 3 | 2.79 | 19 |
| | | 23 | 3 | 3 | 2.79 | 19 | | | 33 | 3 | 3 | 2.79 | 19 |
| | | 24 | 3 | 3 | 2.79 | 19 | | | 34 | 3 | 3 | 2.79 | 19 |
| | | 25 | 3 | 3 | 2.79 | 19 | | | 35 | 3 | 3 | 2.79 | 19 |
| | | 26 | 3 | 3 | 2.79 | 19 | | | 36 | 3 | 3 | 2.79 | 19 |
| | | 27 | 3 | 3 | 2.79 | 19 | | | 37 | 3 | 3 | 2.79 | 19 |
| | | 28 | 3 | 3 | 2.79 | 19 | | | 38 | 3 | 3 | 2.79 | 19 |
| | | 29 | 3 | 3 | 2.79 | 19 | | | 39 | 3 | 3 | 2.79 | 19 |
| | | 30 | 3 | 3 | 2.79 | 19 | | | 40 | 3 | 3 | 2.79 | 19 |
| | | 31 | 3 | 3 | 2.79 | 19 | | | 41 | 3 | 3 | 2.79 | 19 |
| | | 32 | 3 | 3 | 2.79 | 19 | | | 42 | 3 | 3 | 2.79 | 19 |
| | | 33 | 3 | 3 | 2.79 | 19 | | | 43 | 3 | 3 | 2.79 | 19 |
| | | 34 | 3 | 3 | 2.79 | 19 | | | 44 | 3 | 3 | 2.79 | 19 |
| | | 35 | 3 | 3 | 2.79 | 19 | | | 45 | 3 | 3 | 2.79 | 19 |
| | | 36 | 3 | 3 | 2.79 | 19 | | | 46 | 3 | 3 | 2.79 | 19 |
| | | 37 | 3 | 3 | 2.79 | 19 | | | 47 | 3 | 3 | 2.79 | 19 |
| | | 38 | 3 | 3 | 2.79 | 19 | | | 48 | 3 | 3 | 2.79 | 19 |
| | | 39 | 3 | 3 | 2.79 | 19 | | | 49 | 3 | 3 | 2.79 | 19 |
| | | 40 | 3 | 3 | 2.79 | 19 | | | 50 | 3 | 3 | 2.79 | 19 |

GENERAL NOTES
 Begin Drilling 04-05-2010 Complete Drilling 04-05-2010
 Drilling Contractor WTS Drill Rig D 50 ATV
 Driller K&J Logger H. Suhail Checked by
 Drilling Method 3.25 IDA HSA; Boring backfilled upon completion

WATER LEVEL DATA
 While Drilling 20.50 ft
 At Completion of Drilling 30.00 ft
 Time After Drilling NA
 Depth to Water NA
 The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

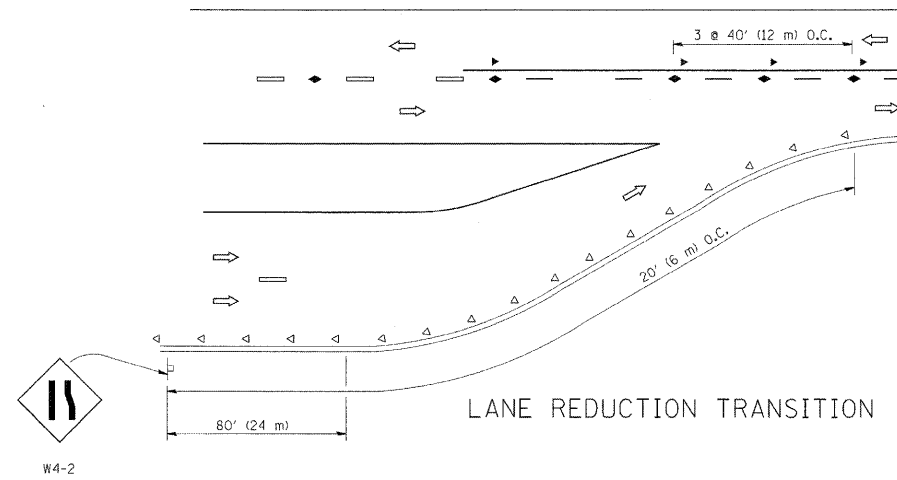
BORING LOG RW-12 Page 1 of 1
 WEI Job No.: 201-40-01
 Client: McDonough Associates
 Project: US 45 Metra Wall
 Location: Orland Park, IL
 Datum: NGVD
 Elevation: 691.15 ft
 North: 1809366.73 ft
 East: 1114681.16 ft
 Station:
 Offset:

| Profile Elevation (ft) | SOIL AND ROCK DESCRIPTION | Depth (ft) | Sample No. | SPT Values (blows/6 in) | Qu (tsf) | Moisture Content (%) | Profile Elevation (ft) | SOIL AND ROCK DESCRIPTION | Depth (ft) | Sample No. | SPT Values (blows/6 in) | Qu (tsf) | Moisture Content (%) |
|------------------------|---|------------|------------|-------------------------|----------|----------------------|------------------------|---------------------------|------------|------------|-------------------------|----------|----------------------|
| 691.15 | 12-inch thick, dark brown, CLAY LOAM | 1 | 11 | 3 | 0.66 | 19 | | | 11 | 3 | 3 | 4.26 | 20 |
| | Medium stiff, brown and gray CLAY | 2 | 5 | 4 | NP | 16 | | | 12 | 3 | 3 | 4.10 | 19 |
| | --FILL-- | 3 | 6 | 10 | NP | 8 | | | 13 | 3 | 3 | 1.72 | 18 |
| 688.1 | Loose to medium dense, brown and black medium SAND | 4 | 7 | 4 | 1.15 | 27 | | | 14 | 3 | 3 | 4.26 | 16 |
| | --FILL-- | 5 | 2 | 4 | 1.25 | 35 | | | 15 | 2 | 2 | 2.62 | 27 |
| 682.1 | Stiff, black CLAY | 6 | 2 | 2 | 1.34 | 30 | | | 16 | 4 | 6 | 3.53 | 18 |
| | --BURIED TOPSOIL-- | 7 | 2 | 4 | 1.31 | 31 | | | 17 | 4 | 6 | 3.53 | 18 |
| 680.6 | Stiff, black SILTY CLAY | 8 | 3 | 4 | 1.31 | 31 | | | 18 | 4 | 6 | 3.53 | 18 |
| | | 9 | 4 | 5 | 2.71 | 19 | | | 19 | 4 | 5 | 2.71 | 19 |
| 675.6 | Stiff to hard, brown and gray SILTY CLAY, little to some gravel | 10 | 4 | 6 | 3.53 | 18 | | | 20 | 4 | 6 | 3.53 | 18 |
| | | 11 | 4 | 6 | 3.53 | 18 | | | 21 | 4 | 6 | 3.53 | 18 |
| | | 12 | 4 | 6 | 3.53 | 18 | | | 22 | 4 | 6 | 3.53 | 18 |
| | | 13 | 4 | 6 | 3.53 | 18 | | | 23 | 4 | 6 | 3.53 | 18 |
| | | 14 | 4 | 6 | 3.53 | 18 | | | 24 | 4 | 6 | 3.53 | 18 |
| | | 15 | 4 | 6 | 3.53 | 18 | | | 25 | 4 | 6 | 3.53 | 18 |
| | | 16 | 4 | 6 | 3.53 | 18 | | | 26 | 4 | 6 | 3.53 | 18 |
| | | 17 | 4 | 6 | 3.53 | 18 | | | 27 | 4 | 6 | 3.53 | 18 |
| | | 18 | 4 | 6 | 3.53 | 18 | | | | | | | |

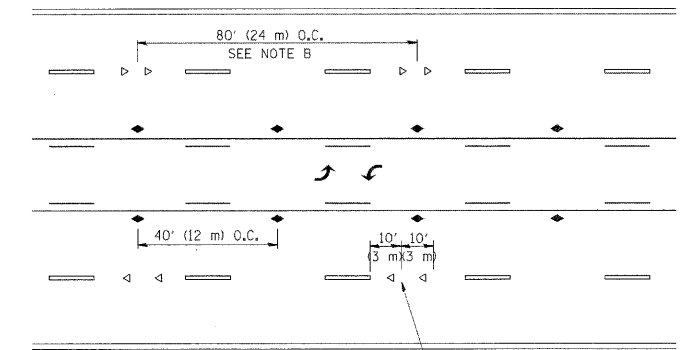


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

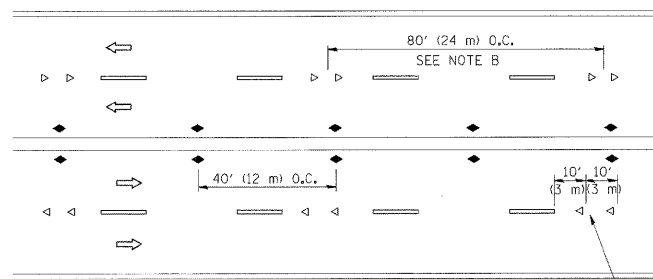
TWO-LANE/TWO-WAY



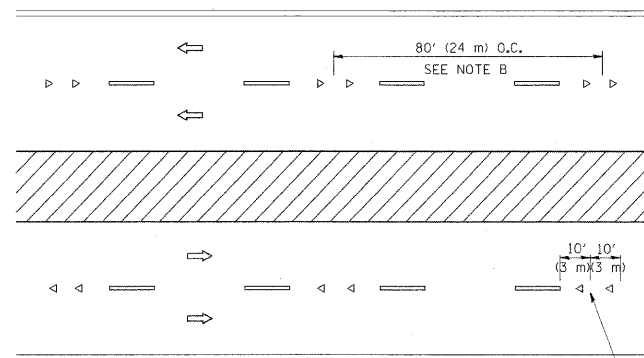
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

SYMBOLS

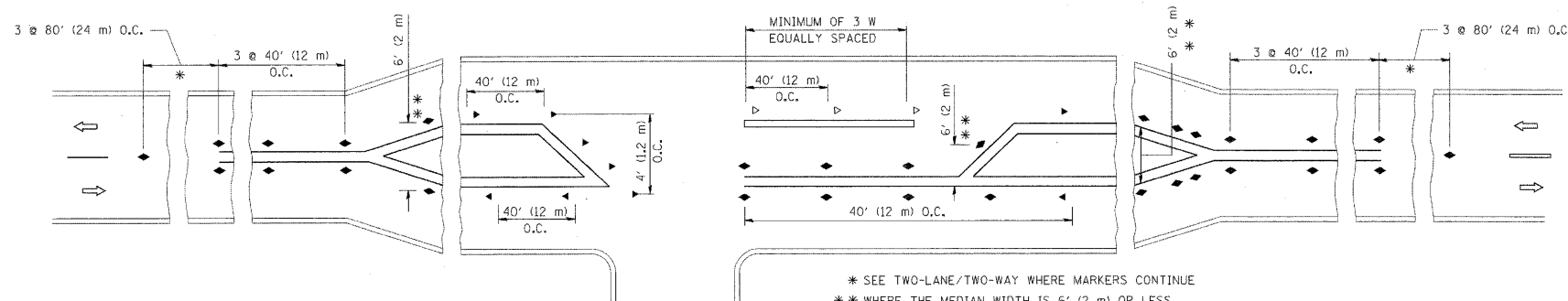
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H. (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHOULD BE INCLUDED IN THE PLANS.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
 ** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

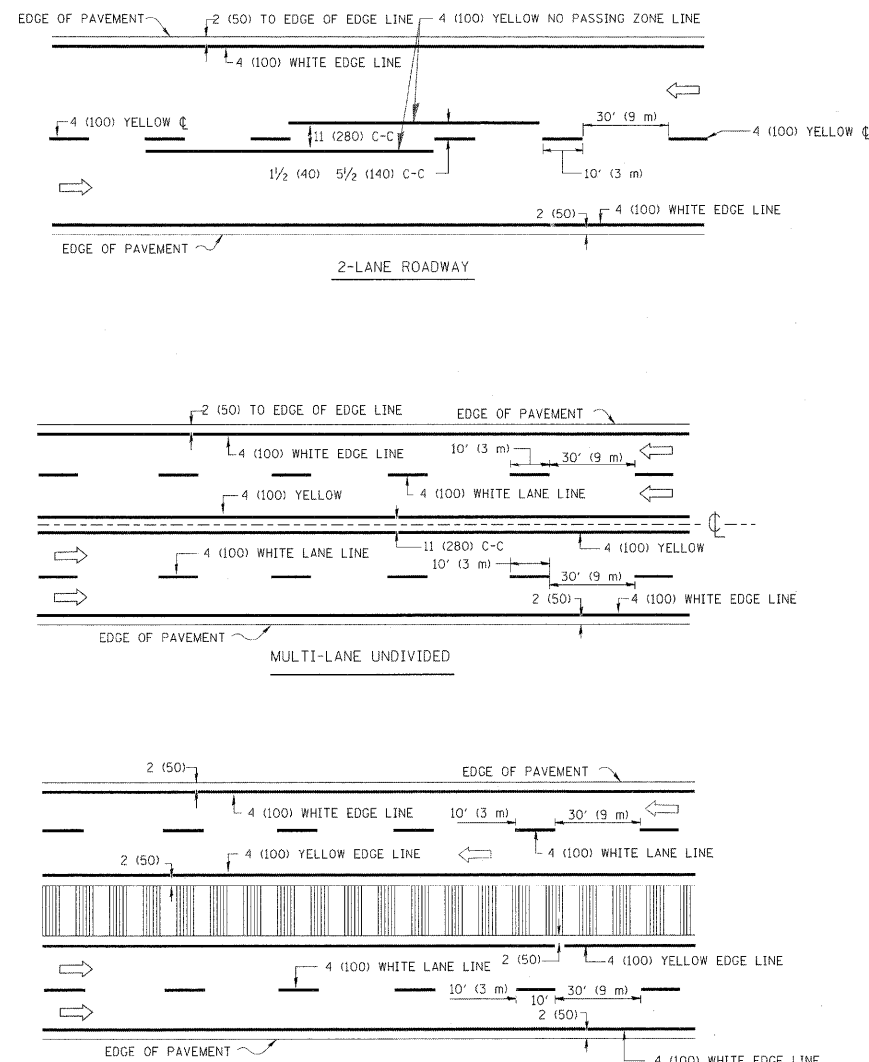
LEFT TURN

All dimensions are in inches (millimeters) unless otherwise shown.

| | | | |
|---------------------------------------|----------------------------|-----------------|---------------------------------|
| FILE NAME = | USER NAME = drivakosgn | DESIGNED - | REVISED - T. RAMMACHER 09-19-94 |
| c:\pwork\pwork\drivakosgn\d0108315\td | l.dgn | DRAWN - | REVISED - T. RAMMACHER 03-12-99 |
| | PLOT SCALE = 50,000' / IN. | CHECKED - | REVISED - T. RAMMACHER 01-06-00 |
| | PLOT DATE = 9/9/2009 | DATE - 12/17/10 | REVISED - C. JUCIUS 09-09-09 |

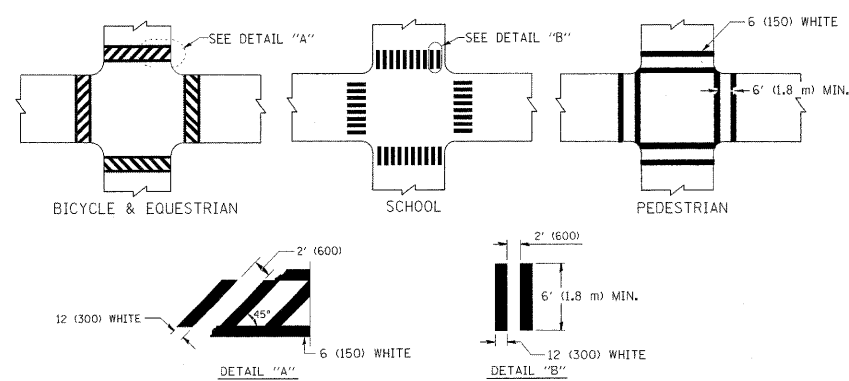
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

| TYPICAL APPLICATIONS | | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--|--|-------------------------|---------|--------------|--------------------------|-----------|
| RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) | | 330 | 73 R-B | COOK | 136 | 113 |
| SCALE: NONE | | SHEET NO. 1 OF 1 SHEETS | | STA. TO STA. | TC-11 CONTRACT NO. 60K64 | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | | | |

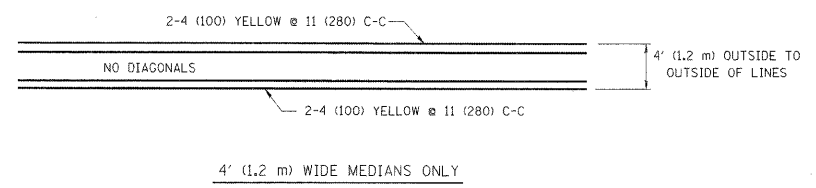


TYPICAL LANE AND EDGE LINE MARKING

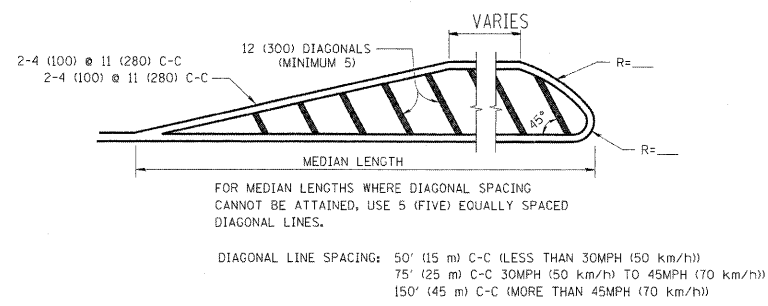
NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE



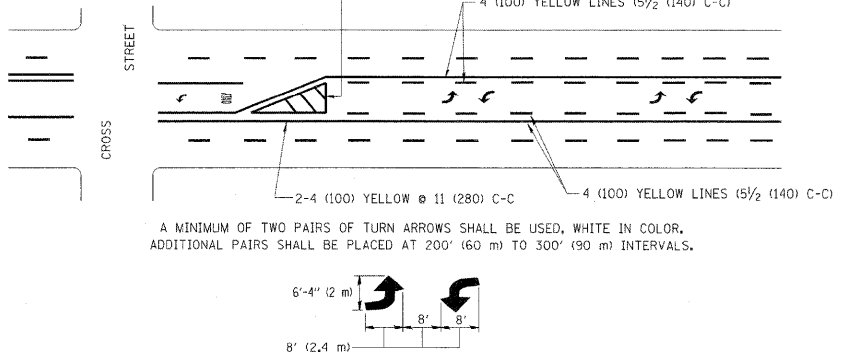
TYPICAL CROSSWALK MARKING



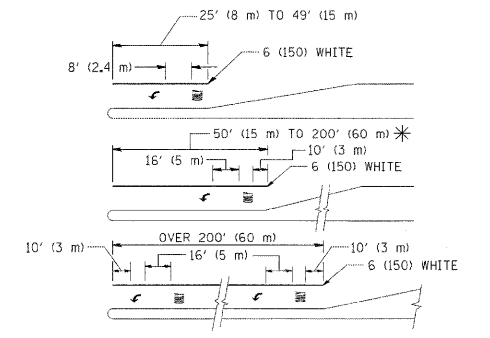
4' (1.2 m) WIDE MEDIANS ONLY



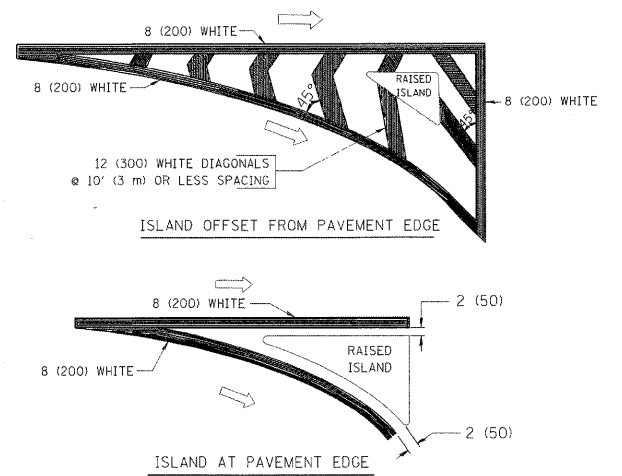
MEDIANS OVER 4' (1.2 m) WIDE



TYPICAL PAINTED MEDIAN MARKING



TYPICAL LEFT (OR RIGHT) TURN LANE



TYPICAL ISLAND MARKING

| TYPE OF MARKING | WIDTH OF LINE | PATTERN | COLOR | SPACING / REMARKS |
|---|--|---------------------------------|---|--|
| CENTERLINE ON 2 LANE PAVEMENT | 4 (100) | SKIP-DASH | YELLOW | 10' (3 m) LINE WITH 30' (9 m) SPACE |
| CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT | 2 @ 4 (100) | SOLID | YELLOW | 11 (280) C-C |
| NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS | 4 (100) 2 @ 4 (100) | SOLID SOLID | YELLOW YELLOW | 5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN |
| LANE LINES | 4 (100) 5 (125) ON FREEWAYS | SKIP-DASH SKIP-DASH | WHITE WHITE | 10' (3 m) LINE WITH 30' (9 m) SPACE |
| DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS) | SAME AS LINE BEING EXTENDED | SKIP-DASH | SAME AS LINE BEING EXTENDED | 2' (600) LINE WITH 6' (1.8 m) SPACE |
| EDGE LINES | 4 (100) | SOLID | YELLOW-LEFT WHITE-RIGHT | OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB |
| TURN LANE MARKINGS | 6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m)) | SOLID | WHITE | SEE TYPICAL TURN LANE MARKING DETAIL |
| TWO WAY LEFT TURN MARKING | 2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW | SKIP-DASH AND SOLID IN PAIRS | YELLOW WHITE | 10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL |
| CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL) | 2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90° | SOLID SOLID SOLID | WHITE WHITE WHITE | NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS. |
| STOP LINES | 24 (600) | SOLID | WHITE | PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE |
| PAINTED MEDIANS | 2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS | SOLID | YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC | 11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING. |
| GORE MARKING AND CHANNELIZING LINES | 8 (200) WITH 12 (300) DIAGONALS @ 45° | SOLID | WHITE | DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C (30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h)) |
| RAILROAD CROSSING | 24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LINE FOR "X" | SOLID | WHITE | SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m²) EACH "X"=54.0 SQ. FT. (5.0 m²) |
| SHOULDER DIAGONALS | 12 (300) @ 45° | SOLID | WHITE - RIGHT YELLOW - LEFT | 50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h)) |

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

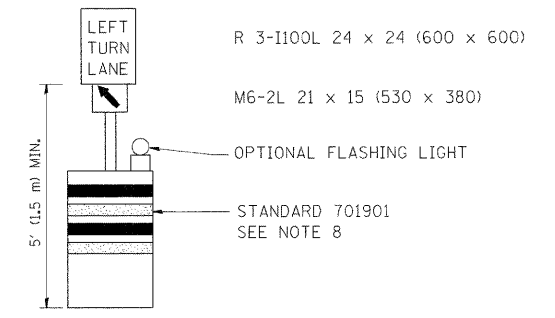
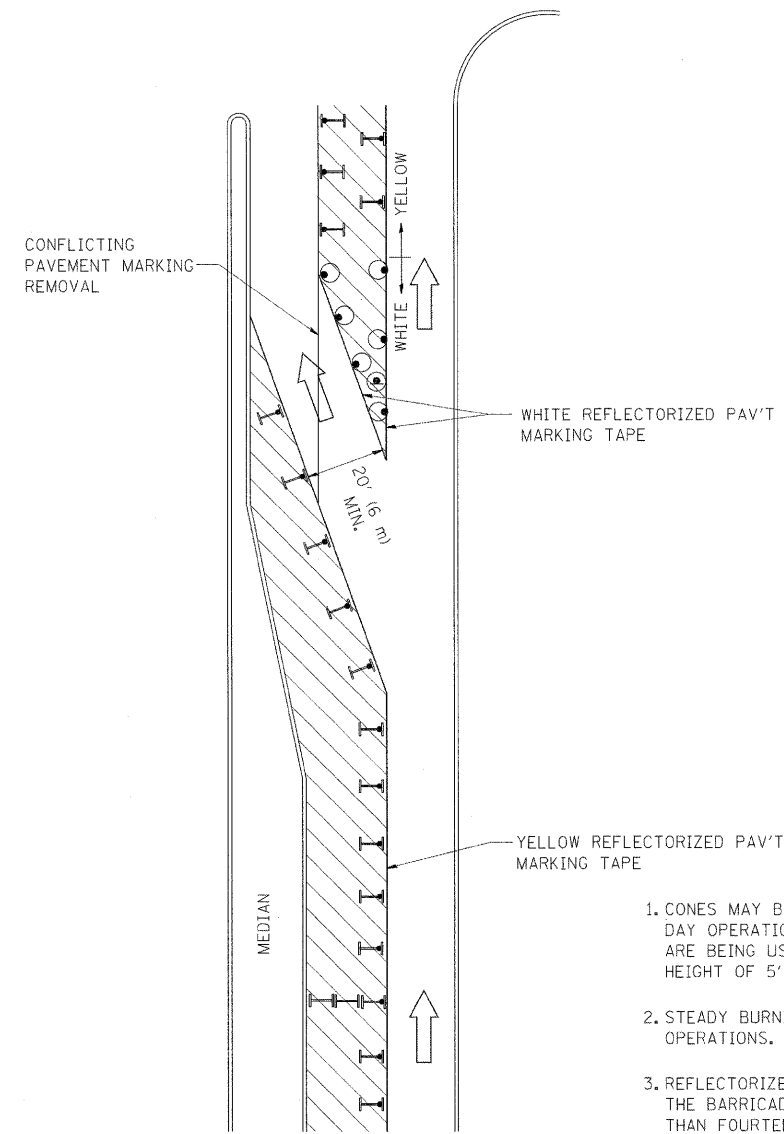
All dimensions are in inches (millimeters) unless otherwise shown.

| | | | |
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| ct:\pwwork\pwwork\drvakosgn\d0188315\3.dgn | | DRAWN - | REVISED -C. JUICIUS 09-09-09 |
| | PLOT SCALE = 50.000 / IN. | CHECKED - | REVISED - |
| | PLOT DATE = 9/9/2009 | DATE - 03-19-90 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| | | | |
|---------------------------|-------------------------|--------------|--|
| DISTRICT ONE | | | |
| TYPICAL PAVEMENT MARKINGS | | | |
| SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. TO STA. | |

| | | | | |
|---|---------|--------------------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 330 | 73 R-B | COOK | 136 | 114 |
| TC-13 | | CONTRACT NO. 60K64 | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |

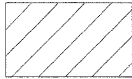







GENERAL NOTES

1. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT. WHEN CONES ARE BEING USED, THE "LEFT TURN LANE" SIGN MAY BE SKID MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).
2. STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
3. REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH TURN BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.
4. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
5. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
6. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
7. FORM OPER 725 IS REQUIRED.
8. IF A DRUM OR TYPE II BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 PREQUIREMENTS.
9. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in inches (millimeters) unless otherwise shown.

LEGEND

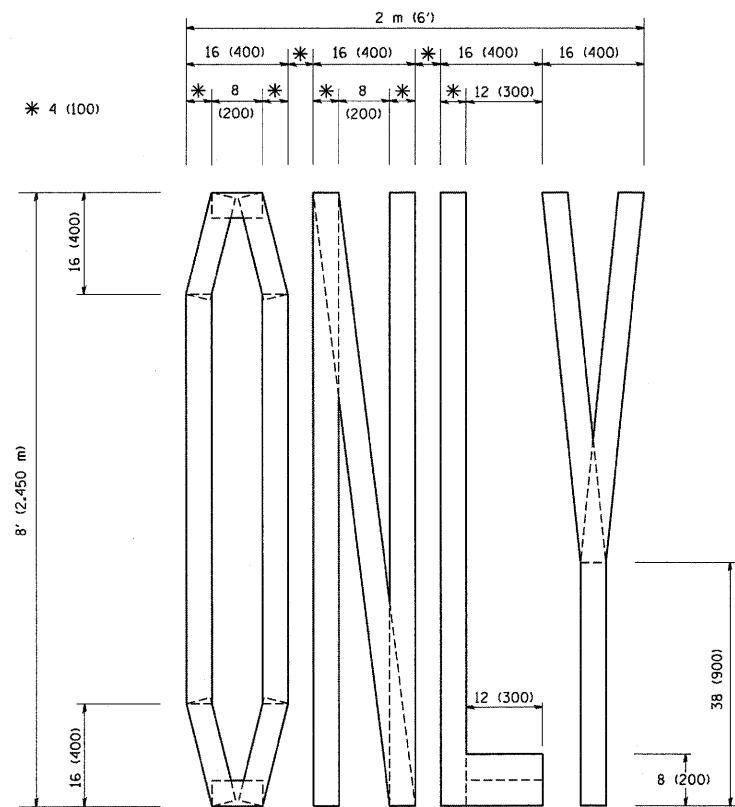
-  WORK AREA
-  LANE OPEN TO TRAFFIC
-  TYPE I OR II BARRICADE WITH STEADY BURN LIGHT
-  DRUM WITH STEADY BURN LIGHT
-  DRUM WITH SIGN (WITH OPTIONAL FLASHING LIGHT) SEE DETAIL
-  TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

| | | | |
|---|------------------------|--------------------------------|----------------------------|
| FILE NAME = | USER NAME = drivakosgn | REVISED -T. RAMMACHER 09-08-94 | REVISED - R. BORO 09-14-09 |
| et:\pw\work\PIWIDOT\DRIVAKOSGN\0108315\14.dgn | | REVISED - A. HOUSEH 11-07-95 | REVISED - |
| | | REVISED - A. HOUSEH 10-12-96 | REVISED - |
| | | REVISED -T. RAMMACHER 01-06-00 | REVISED - |

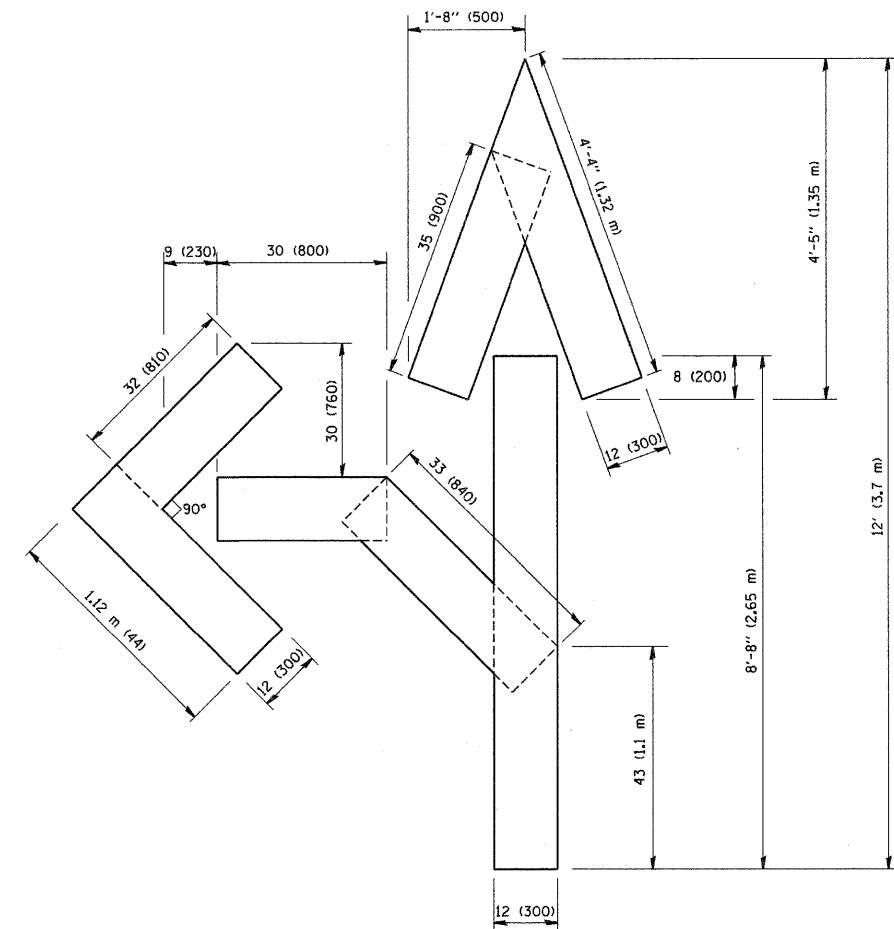
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

| TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) | | | |
|--|-------------------------|------|---------|
| SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA. |

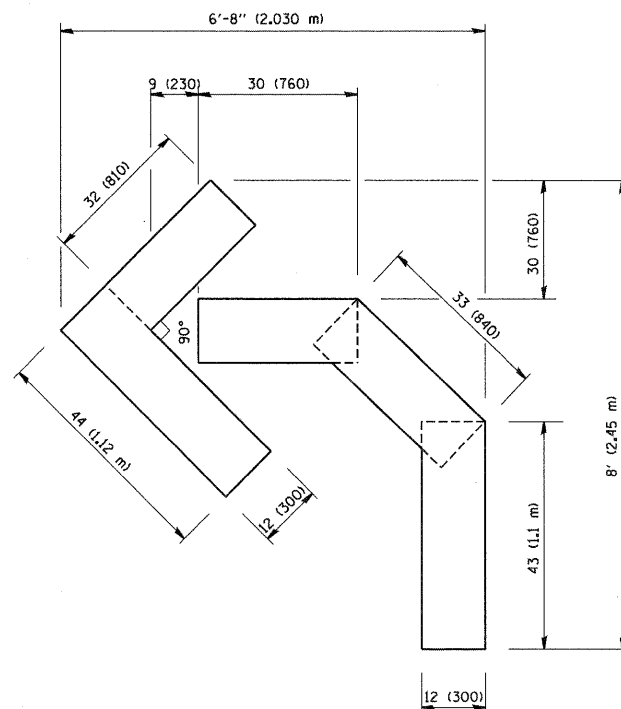
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---------|--------|--------------------|-----------|
| 330 | 73 R-B | COOK | 136 | 115 |
| TC-14 | | | CONTRACT NO. 60K64 | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |



QUANTITY
 4 (100) LINE = 64.1 ft. (19.7 m)
 21.1 sq. ft. (1.97 sq. m)



QUANTITY
 4 (100) LINE = 82.5 ft. (25.3 m)
 27.5 sq. ft. (2.53 sq. m)



QUANTITY
 4 (100) LINE = 45.5 ft. (13.9 m)
 15.2 sq. ft. (1.39 sq. m)

All dimensions are in inches (millimeters) unless otherwise shown.

| | | | |
|--|-----------------------------|-----------------|--------------------------------|
| FILE NAME = W:\diststd\22x34\to16.dgn | USER NAME = gaglianobt | DESIGNED - | REVISED -T. RAMMACHER 06-05-96 |
| | | DRAWN - | REVISED -T. RAMMACHER 11-04-97 |
| | PLOT SCALE = 50.0000' / IN. | CHECKED - | REVISED -T. RAMMACHER 03-02-98 |
| | PLOT DATE = 1/4/2000 | DATE - 09-18-94 | REVISED -E. GOMEZ 08-28-00 |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING LETTERS AND SYMBOLS
 FOR TRAFFIC STAGING

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---------|--------------------|--------------|-----------|
| 330 | 73 R-B | COOK | 136 | 116 |
| TC-16 | | CONTRACT NO. 60K64 | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |

ROUTE MARKERS

FOR U.S. ROUTES
M1-40-2424

FOR ILLINOIS ROUTES
M1-50-2424

R.R. UNMARKED ROUTES
SPECIAL 24" x 18" VARIABLE
4" BLACK LETTERS ON WHITE
REFLECTIVE BACKGROUND

ARROWS SIGNS

M5-1L-2115

M5-1R-2115

M6-1-2115

M6-1-2115

M6-3-2115

CARDINAL DIRECTION & DETOUR SIGNS

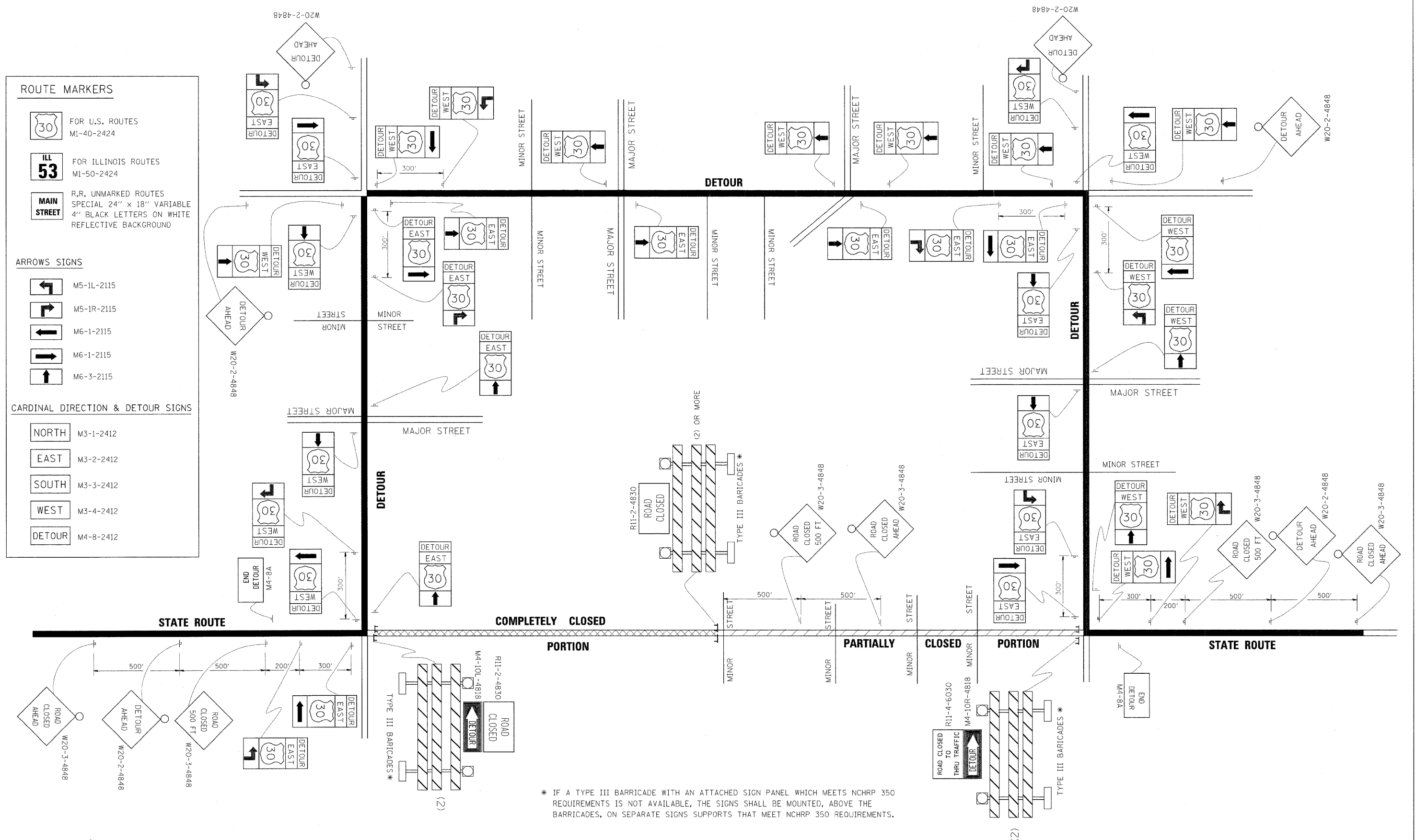
NORTH M3-1-2412

EAST M3-2-2412

SOUTH M3-3-2412

WEST M3-4-2412

DETOUR M4-8-2412



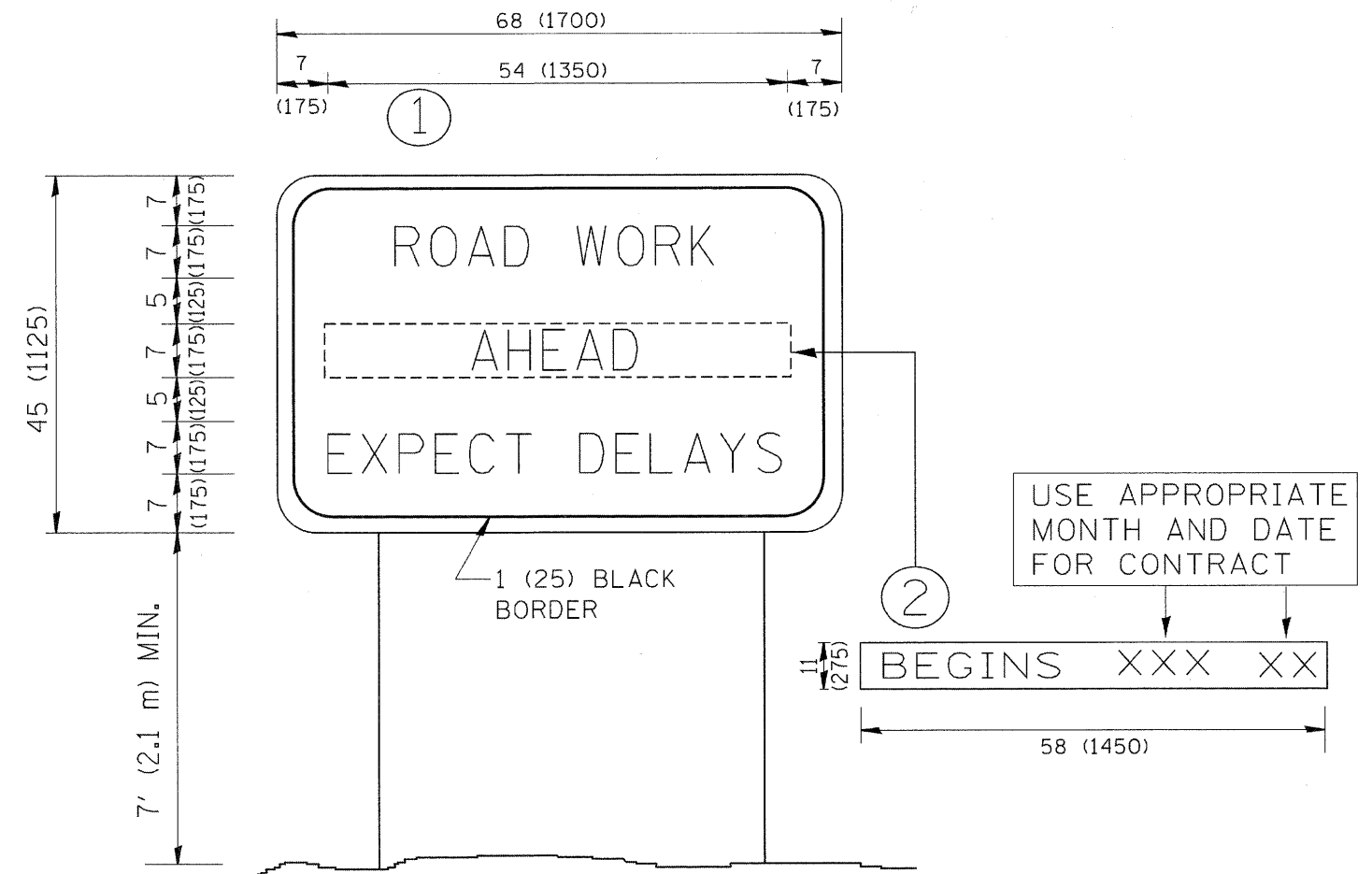
* IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 REQUIREMENTS.

| | | | |
|---|------------------------|------------|----------------------------|
| FILE NAME = | USER NAME = drivakosgn | DESIGNED - | REVISED - 10-18-02 |
| es:\pw_work\pwidot\DRIVAKOSGN\d0108315\21.dgn | | DRAWN - | REVISED - R. BORO 09-14-09 |
| | | CHECKED - | REVISED - |
| | | DATE - | REVISED - |
| | | | |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

| | | | |
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| DETOUR SIGNING FOR CLOSING STATE HIGHWAYS | | | |
| SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA. |

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|---|---------|--------|--------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 330 | 73 R-B | COOK | 136 | 117 |
| TC-21 | | | CONTRACT NO. 60K64 | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

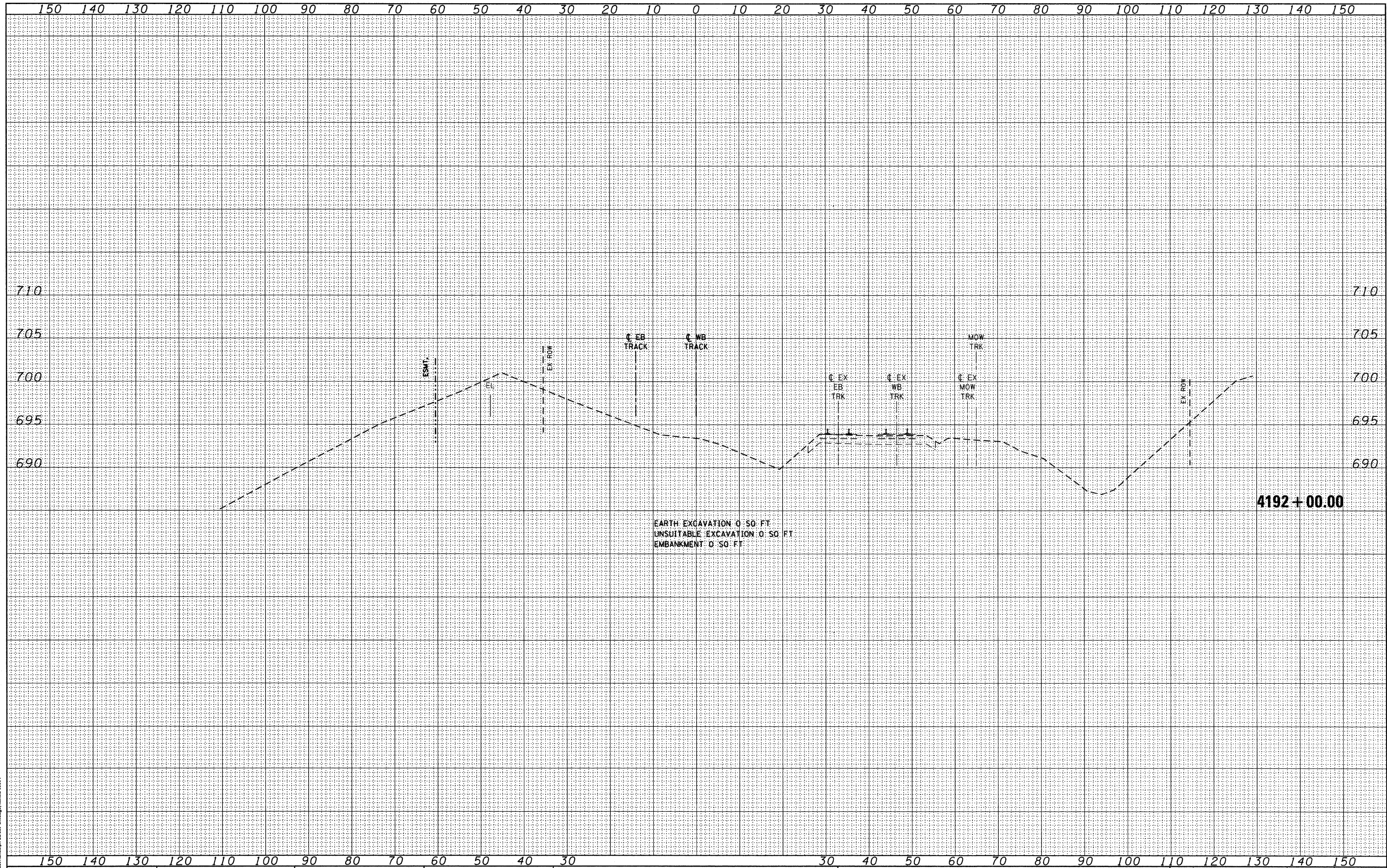
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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|--|----------------------------|------------|---------------------------------|---|---|-------------------------|-----------------------|-------------------|----------------|------------------------|---------------------|--|
| FILE NAME = W:\diststd\22v34\to22.dgn | USER NAME = geglionobt | DESIGNED - | REVISED - R. MIRS 09-15-97 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | ARTERIAL ROAD INFORMATION SIGN | | F.A.P. RTE. 330 | SECTION 73 R-B | COUNTY COOK | TOTAL SHEETS 136 | SHEET NO. 118 | |
| | PLOT SCALE = 50.000' / IN. | DRAWN - | REVISED - R. MIRS 12-11-97 | | SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TC-22 | | CONTRACT NO. 60K64 | | |
| | PLOT DATE = 1/4/2008 | CHECKED - | REVISED - T. RAMMACHER 02-02-99 | | FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT | | | | | | | |
| | | DATE - | REVISED - C. JUCIUS 01-31-07 | | | | | | | | | |

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| DATE | |
| BY | |
| SURVEYED | |
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| TEMPLATE | |
| AREAS | |
| CHECKED | |
| FINAL SURVEY | |
| NOTE BOOK | |
| NO. | |

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| SURVEYED | |
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| TEMPLATE | |
| AREAS | |
| CHECKED | |
| ORIGINAL SURVEY | |
| NOTE BOOK | |
| NO. | |

McDonough Associates Inc.
 Engineers / Architects
 180 East Randolph Street, Chicago, Illinois 60601



FILE NAME =
 D160K64-SHT-XSHT01.dgn

USER NAME = jletour
 PLOT SCALE = 1:10
 PLOT DATE = 1/27/2011

DESIGNED - BFH
 DRAWN - BFH
 CHECKED - MJT
 DATE - 12/17/10

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

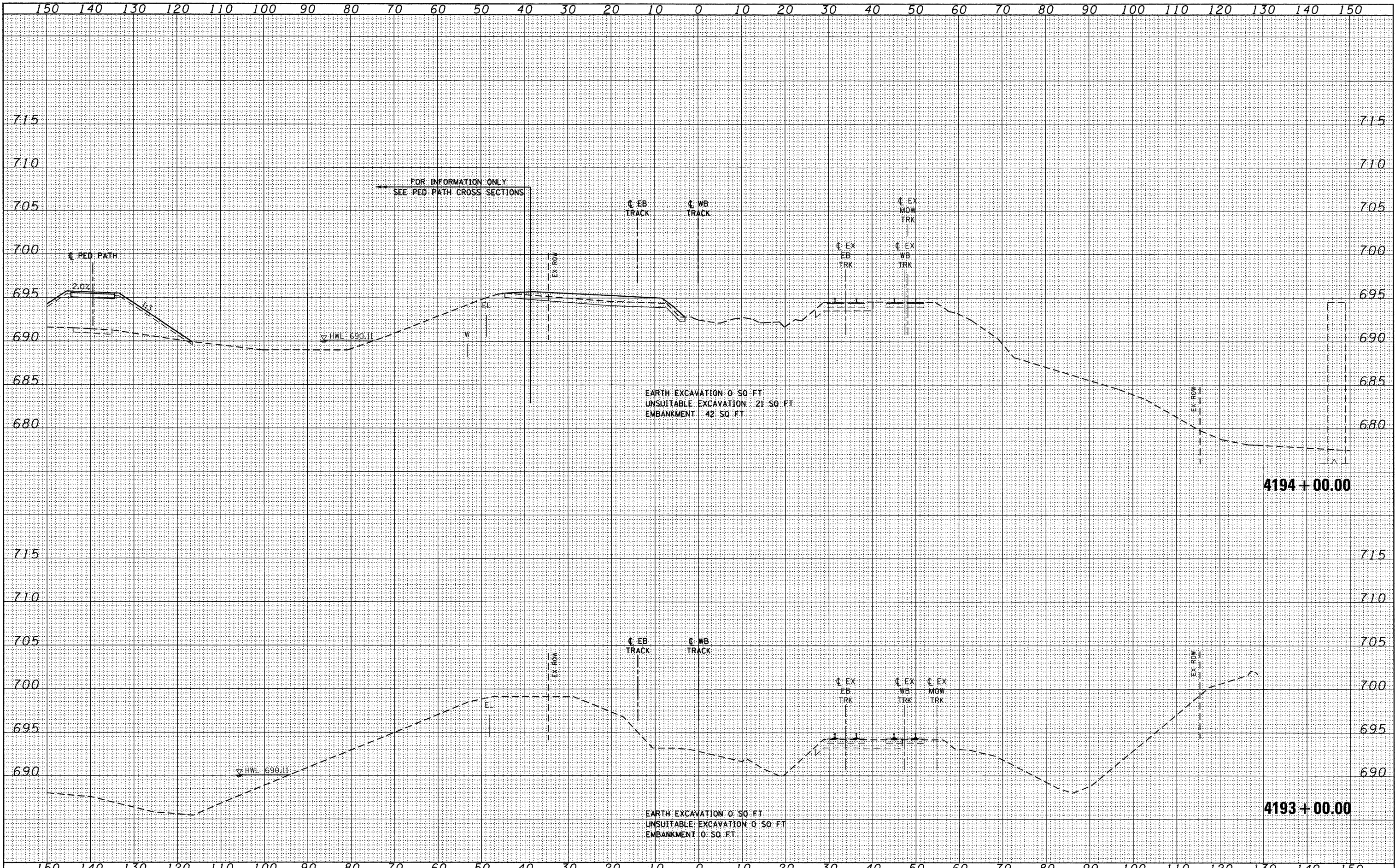
METRA RAILROAD CROSS SECTIONS
 SCALE: 1"=10'H+1"=5'V SHEET NO. 1 OF 10 SHEETS STA. 4191+00.00 TO STA. 4192+00.00

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|---------------------------|-------------------|----------------|---------------------|------------------|
| F.A.P. RTE. 330 | SECTION 73 R-B | COUNTY COOK | TOTAL SHEETS 136 | SHEET NO. 119 |
| XS-R-01 | | | CONTRACT NO. 60K64 | |
| ILLINOIS FED. AID PROJECT | | | | |

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| DATE | |
| BY | |
| FINAL SURVEY | SURVEYED |
| NOTE BOOK | PLOTTED |
| NO. | AREAS CHECKED |

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|-----------------|---------------|
| DATE | |
| BY | |
| ORIGINAL SURVEY | SURVEYED |
| NOTE BOOK | PLOTTED |
| NO. | AREAS CHECKED |

McDonough Associates Inc.
Engineers/Architects
130 East Randolph Street, Chicago, Illinois 60601



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|------------------------|---------------------|
| FILE NAME = | USER NAME = jlatour |
| D162K64-SHT-XSHT01.dgn | DESIGNED - BFH |
| | DRAWN - BFH |
| | CHECKED - MJT |
| | DATE - 12/17/10 |
| | REVISIONS |
| | REVISIONS |
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| | REVISIONS |

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| PLOT SCALE = 1:100 |
| PLOT DATE = 1/27/2011 |

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| DESIGNED - BFH | REVISIONS |
| DRAWN - BFH | REVISIONS |
| CHECKED - MJT | REVISIONS |
| DATE - 12/17/10 | REVISIONS |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

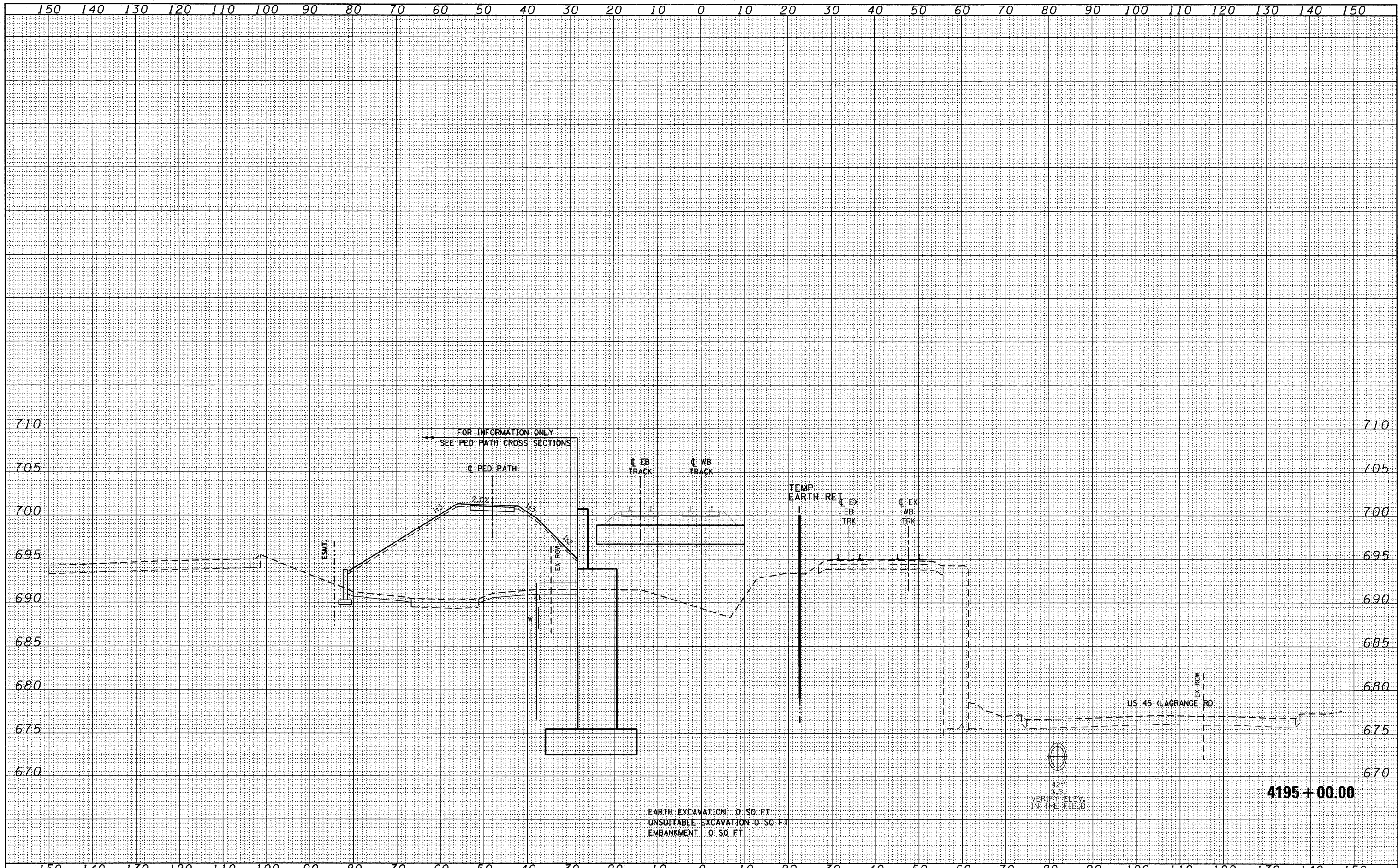
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| METRA RAILROAD CROSS SECTIONS | |
| SCALE: 1"=10'H 1"=5' V | SHEET NO. 2 OF 10 SHEETS |
| STA. 4193+00.00 TO STA. 4194+00.00 | |

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|---------------------------|----------------|-------------|--------------------|---------------|
| F.A.P. RTE. 330 | SECTION 73 R-B | COUNTY COOK | TOTAL SHEETS 136 | SHEET NO. 120 |
| XS-R-02 | | | CONTRACT NO. 60K64 | |
| ILLINOIS FED. AID PROJECT | | | | |

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| DATE | |
| BY | |
| FINAL SURVEY | SURVEYED |
| NOTE BOOK | PLOTTED |
| NO. | AREAS CHECKED |

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| DATE | |
| BY | |
| ORIGINAL SURVEY | SURVEYED |
| NOTE BOOK | PLOTTED |
| NO. | AREAS CHECKED |

McDonough Associates Inc.
 Engineers/Architects
 199 East Randolph Street, Chicago, Illinois 60601

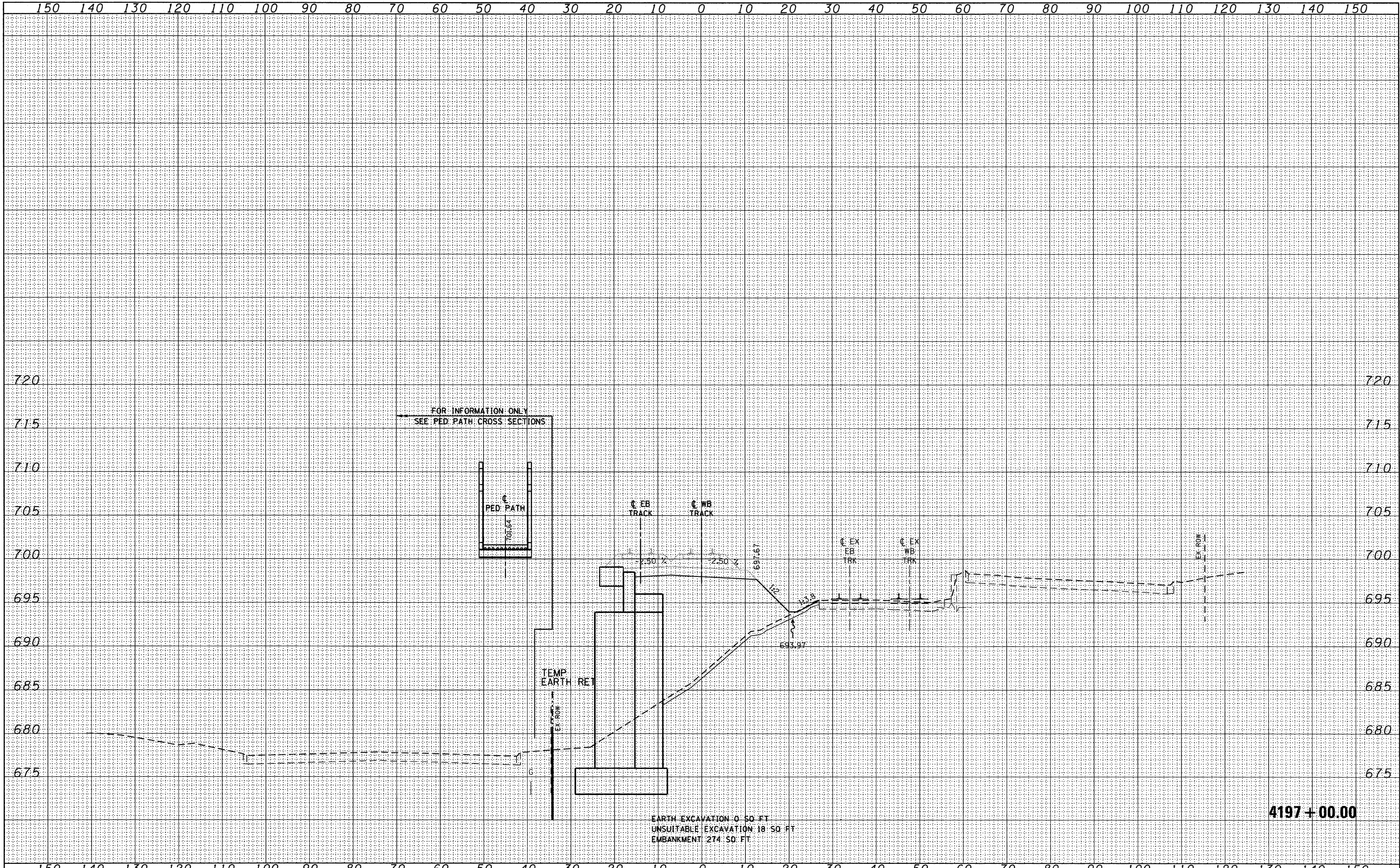


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| | PLOT SCALE = 1/10 | DRAWN - BFH | REVISIONS - | | SCALE: 1"=10'H±1"±5'± | SHEET NO. 3 OF 10 SHEETS | STA. 4195+00.00 TO STA. 4195+00.00 | XS-R-03 | | CONTRACT NO. 60K64 ILLINOIS FED. AID PROJECT | |
| | PLOT DATE = 1/27/2011 | CHECKED - MJT | REVISIONS - | | | | | | | | |
| | | DATE - 12/17/10 | REVISIONS - | | | | | | | | |

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| BY | |
| FINAL SURVEY | SURVEYED |
| NOTE BOOK NO. | PLOTTED |
| | TEMPLATE |
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| ORIGINAL SURVEY | SURVEYED |
| NOTE BOOK NO. | PLOTTED |
| | TEMPLATE |
| | AREAS CHECKED |

McDonough Associates Inc.
Engineers/Architects
197 East Randolph Street, Chicago, Illinois 60601



EARTH EXCAVATION 0 50 FT
UNSUITABLE EXCAVATION 18 50 FT
EMBANKMENT 274 50 FT

4197 + 00.00

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| FILE NAME = | D160K64-SHT-XSHT01.dgn |
| USER NAME = | jlotour |
| DESIGNED - | BFH |
| DRAWN - | BFH |
| CHECKED - | MJT |
| DATE - | 12/17/10 |
| REVISIONS | |
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| REVISED - | |

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| PLLOT SCALE = | 1:10 |
| PLLOT DATE = | 1/27/2011 |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

METRA RAILROAD CROSS SECTIONS

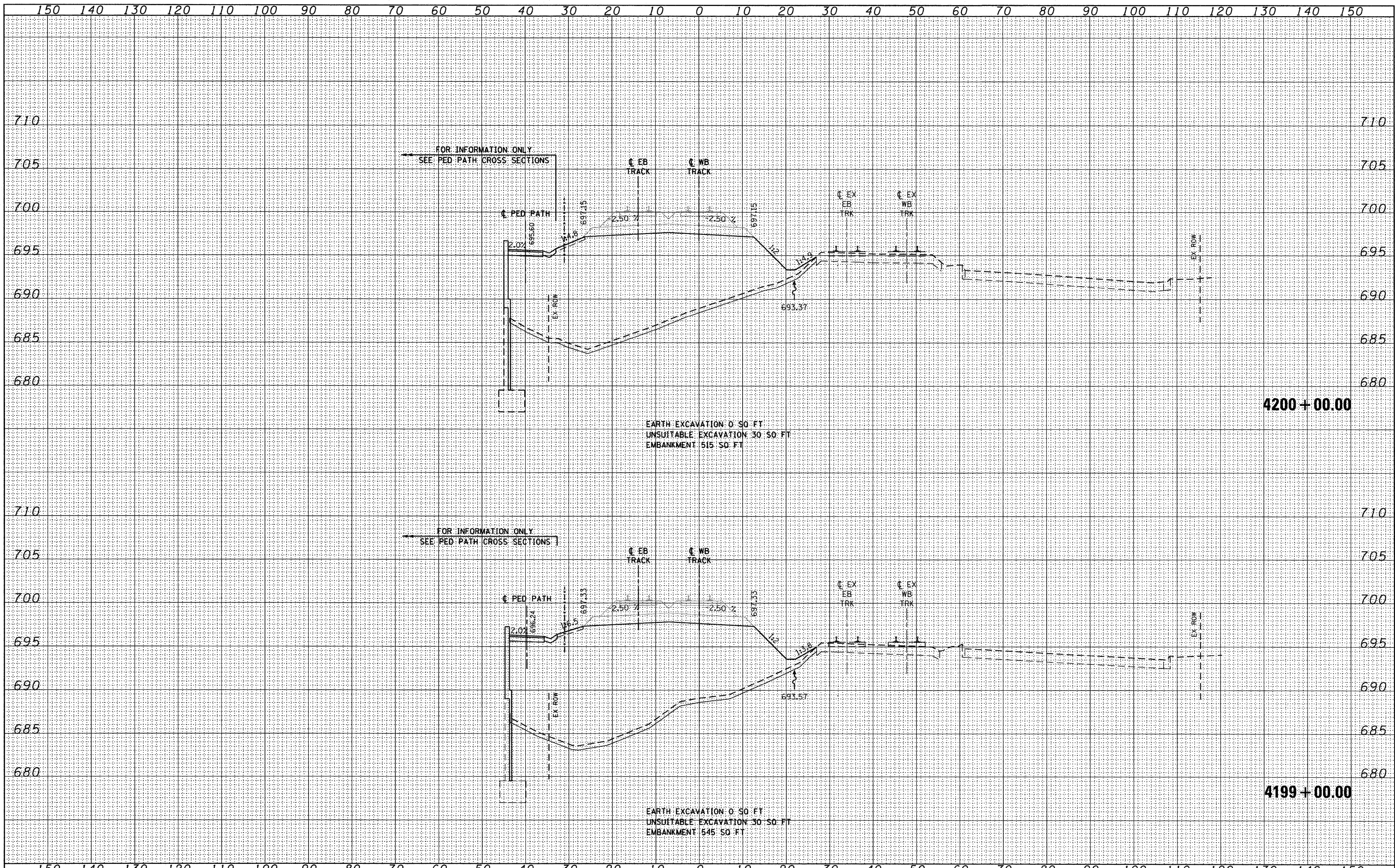
SCALE: 1"=10'H; 1"=5' V SHEET NO. 5 OF 10 SHEETS STA. 4197+00.00 TO STA. 4197+00.00

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|---------------------------|---------|--------------------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 330 | 73 R-B | COOK | 136 | 123 |
| XS-R-05 | | CONTRACT NO. 60K64 | | |
| ILLINOIS FED. AID PROJECT | | | | |

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| DATE | |
| BY | |
| FINAL SURVEY | |
| SURVEYED | |
| PLOTTED | |
| TEMPLATE | |
| AREAS | |
| CHECKED | |
| NO. | |

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|-----------------|--|
| DATE | |
| BY | |
| ORIGINAL SURVEY | |
| SURVEYED | |
| PLOTTED | |
| TEMPLATE | |
| AREAS | |
| CHECKED | |
| NO. | |

McDonough Associates Inc.
Engineers/Architects
139 East Randolph Street, Chicago, Illinois 60601



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| FILE NAME = | USER NAME = jlatour |
| D160K64-SHT-XSSHT01.dgn | DESIGNED - BFH |
| | DRAWN - BFH |
| | CHECKED - MJT |
| | DATE - 12/17/10 |
| | REVISIONS |
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|------------------------|
| PLLOT SCALE = 1:10 |
| PLLOT DATE = 1/27/2011 |

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|-----------------|-----------|
| DESIGNED - BFH | REVISIONS |
| DRAWN - BFH | REVISIONS |
| CHECKED - MJT | REVISIONS |
| DATE - 12/17/10 | REVISIONS |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

METRA RAILROAD CROSS SECTIONS

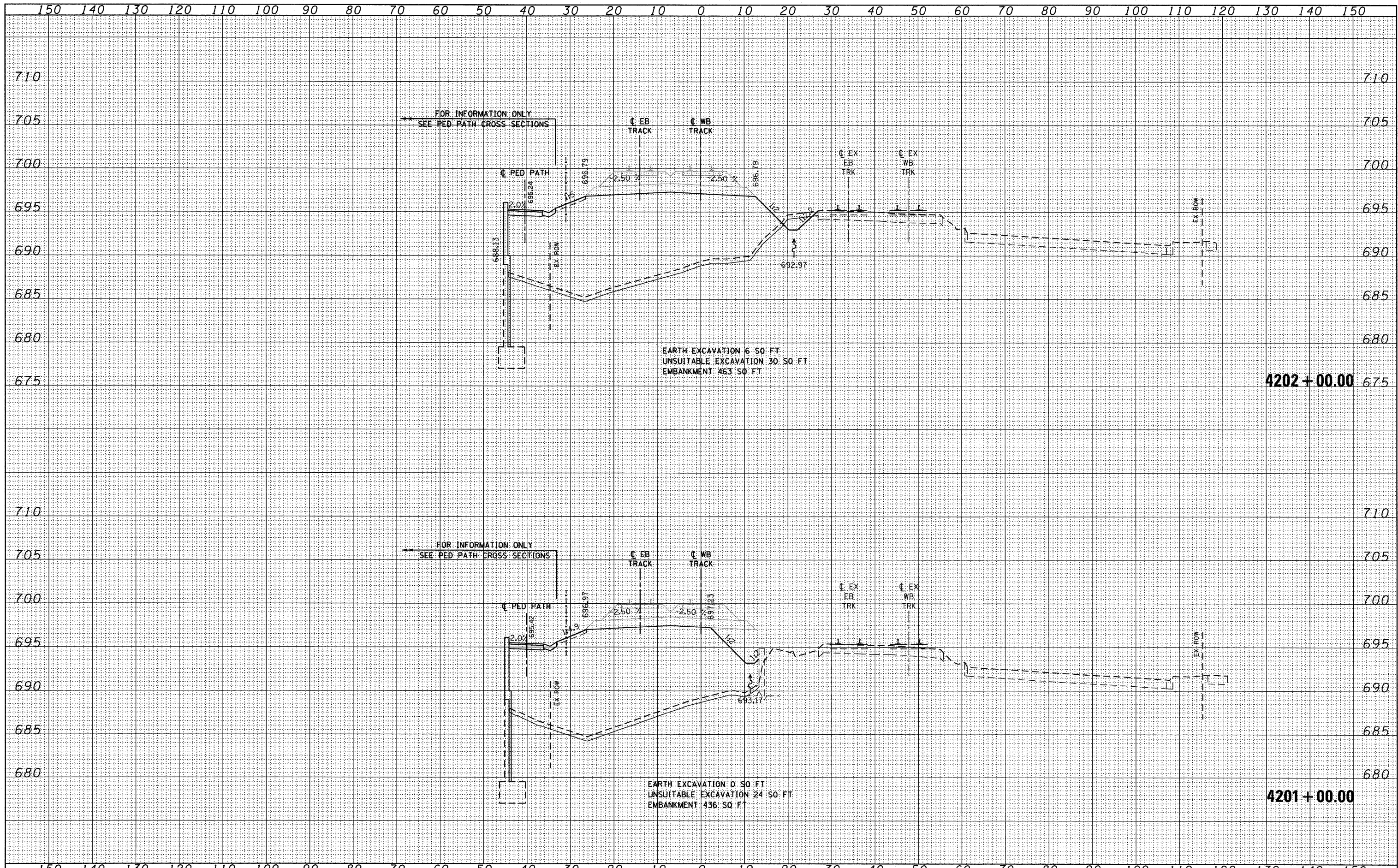
SCALE: 1"=10'H; 1"=5' V SHEET NO. 7 OF 10 SHEETS STA. 4199+00.00 TO STA. 4200+00.00

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|---------------------------|----------------|--------------------|------------------|---------------|
| F.A.P. RTE. 330 | SECTION 73 R-B | COUNTY COOK | TOTAL SHEETS 136 | SHEET NO. 125 |
| XS-R-07 | | CONTRACT NO. 60K64 | | |
| ILLINOIS FED. AID PROJECT | | | | |

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| FINAL SURVEY | SURVEYED |
| NOTE BOOK | PLOTTED |
| NO. | TEMPLATE |
| | AREAS CHECKED |

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| DATE | |
| BY | |
| ORIGINAL SURVEY | SURVEYED |
| NOTE BOOK | PLOTTED |
| NO. | TEMPLATE |
| | AREAS CHECKED |

McDonough Associates Inc.
 Engineers/Architects
 139 East Randolph Street Chicago, Illinois 60601

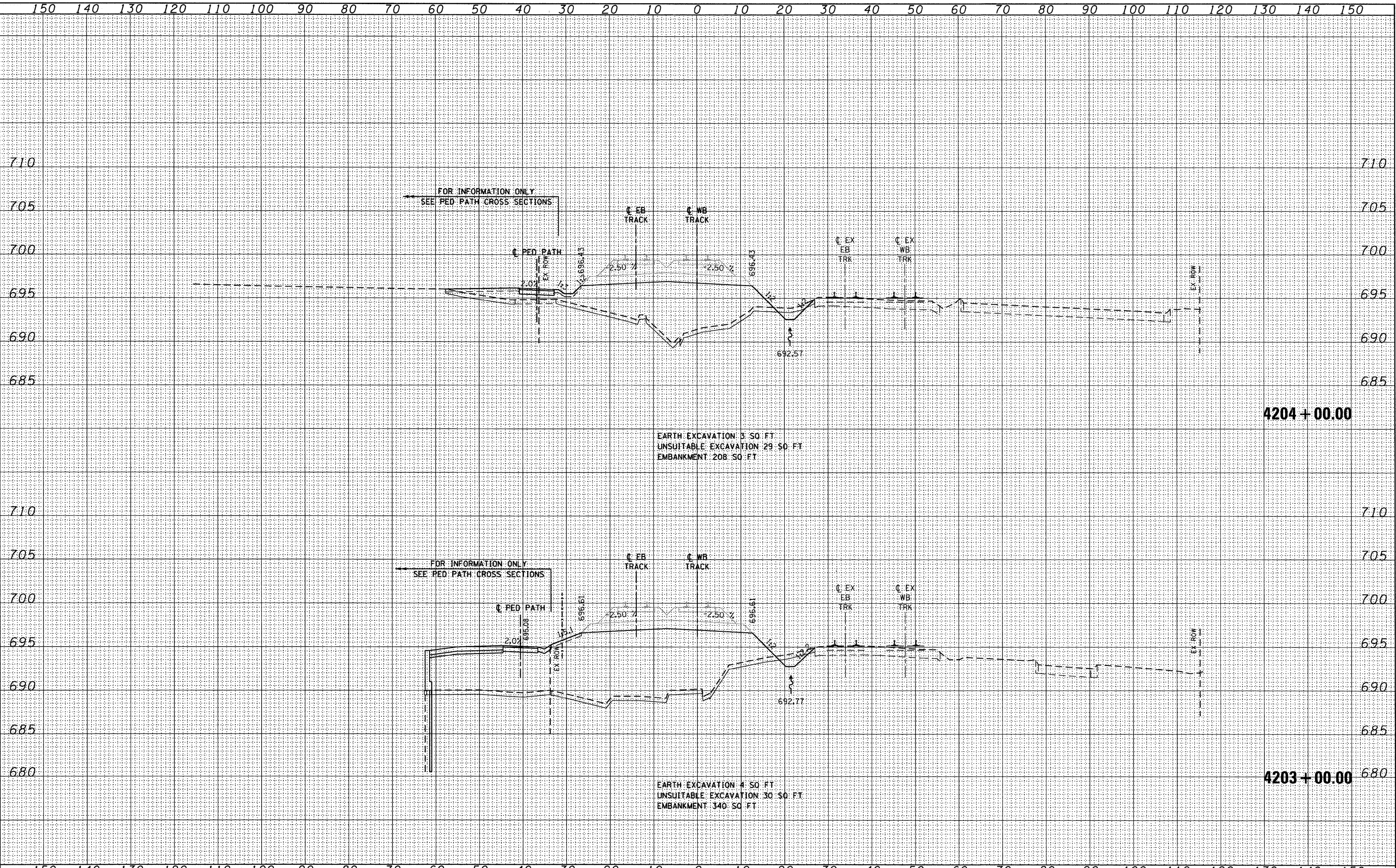


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| FILE NAME = D168K64-SHT-XSSH701.dgn | USER NAME = jlatour | DESIGNED - BFH | REVISOR - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | METRA RAILROAD CROSS SECTIONS | | F.A.P. RTE. 330 | SECTION 73 R-B | COUNTY COOK | TOTAL SHEETS 136 | SHEET NO. 126 |
| | PLOT SCALE = 1/10 | DRAWN - BFH | REVISOR - | | SCALE: 1"=10'+1"=5' | SHEET NO. 8 OF 10 SHEETS | STA. 4201+00.00 TO STA. 4202+00.00 | XS-R-08 | | CONTRACT NO. 60K64 | |
| | PLOT DATE = 1/27/2011 | CHECKED - MJT | REVISOR - | | ILLINOIS FED. AID PROJECT | | | | | | |
| | | DATE - 12/17/10 | REVISOR - | | | | | | | | |

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 180 East Randolph Street, Chicago, Illinois 60601

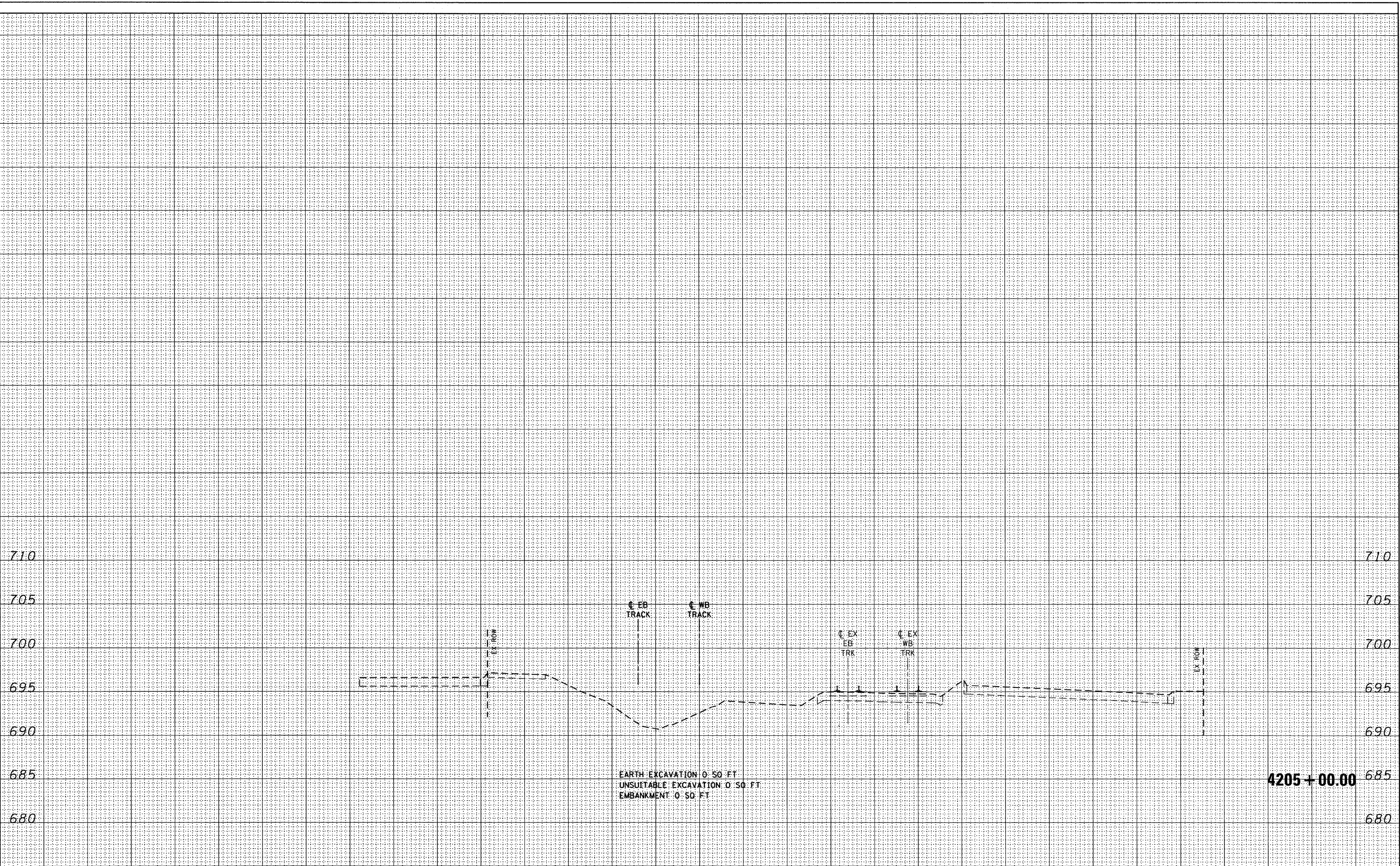


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| FILE NAME = D160K64-SHT-XSSHT01.dgn | USER NAME = jlatour | DESIGNED - BFH | REVISIED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | METRA RAILROAD CROSS SECTIONS | F.A.P. RTE. 330 | SECTION 73 R-B | COUNTY COOK | TOTAL SHEETS 136 | SHEET NO. 127 |
| PLOT SCALE = 1/4"=1' | CHECKED - MJT | REVISIED - | SCALE: 1"=10'+1/4"=5' | | | SHEET NO. 9 OF 10 SHEETS | STA. 4203+00.00 TO STA. 4204+00.00 | XS-R-09 | | CONTRACT NO. 60K64 |
| PLOT DATE = 1/27/2011 | DATE - 12/17/10 | REVISIED - | | | | ILLINOIS FED. AID PROJECT | | | | |
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 197 East Randolph Street Chicago, Illinois 60601



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| FILE NAME = | USER NAME = jlotour |
| D160K64-SHT-XSSH101.dgn | |

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| PLOT SCALE = 1:10 | DESIGNED - | REVISIONS |
| PLOT DATE = 1/27/2011 | DRAWN - | REVISIONS |
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

METRA RAILROAD CROSS SECTIONS

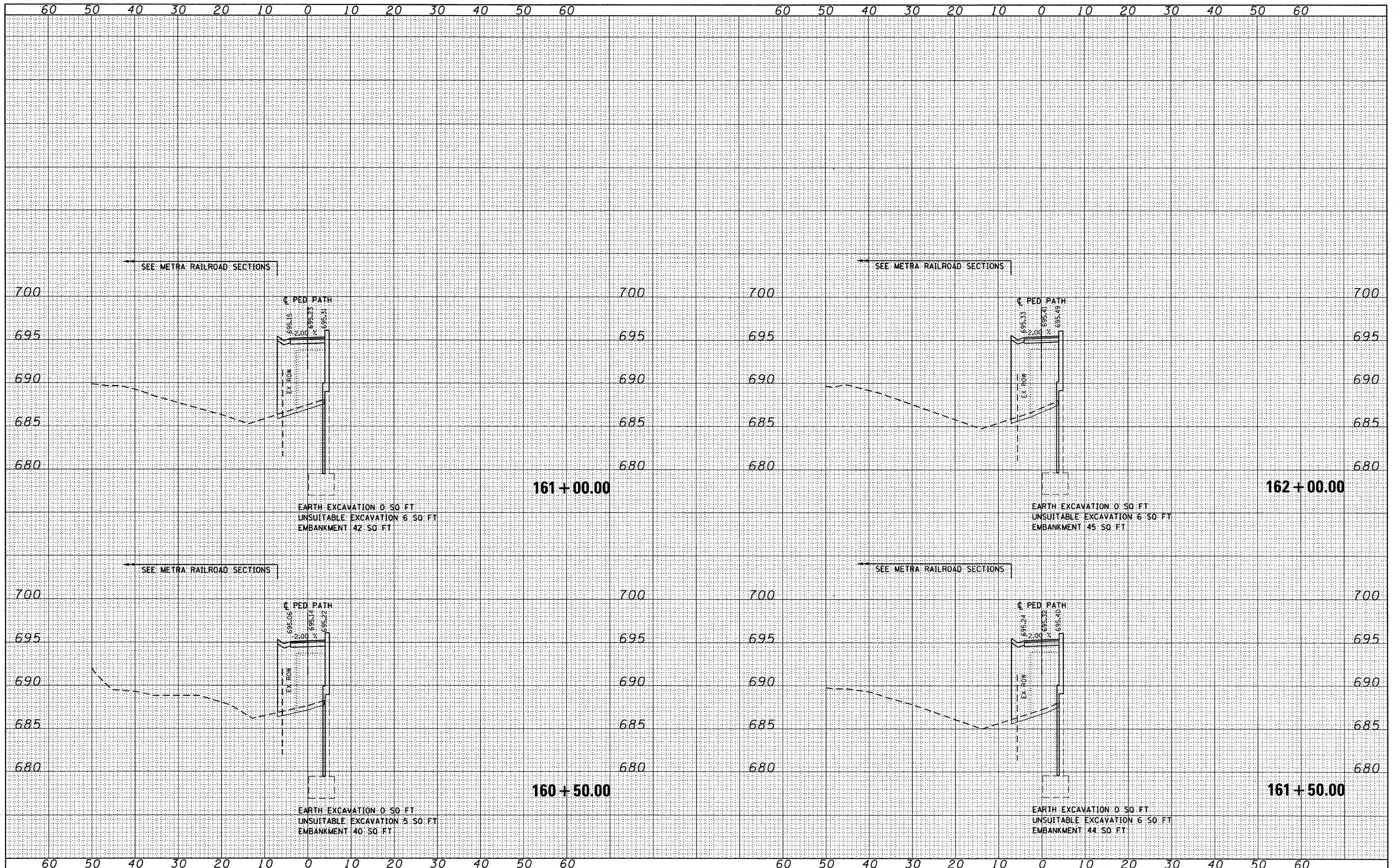
SCALE: 1"=10'H 1"=5' V SHEET NO. 10 OF 10 SHEETS STA. 4205+00.00 TO STA.

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| F.A.P. RTE. 330 | SECTION 73 R-B | COUNTY COOK | TOTAL SHEETS 136 | SHEET NO. 128 |
| XS-R-10 | | CONTRACT NO. 60K64 | | |
| ILLINOIS FED. AID PROJECT | | | | |

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| ORIGINAL SURVEY | SURVEYED |
| NOTE BOOK NO. | PLOTTED |
| | TEMPLATE |
| | AREAS CHECKED |

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181 East Randolph Street, Chicago, Illinois 60601



FILE NAME = D160K64-SHT-XSHT02.dgn

USER NAME = jlatour
PLOT SCALE = 1:100
PLOT DATE = 1/27/2011

DESIGNED - BFH
DRAWN - BFH
CHECKED - MJT
DATE - 12/17/10

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PEDESTRIAN PATH CROSS SECTIONS

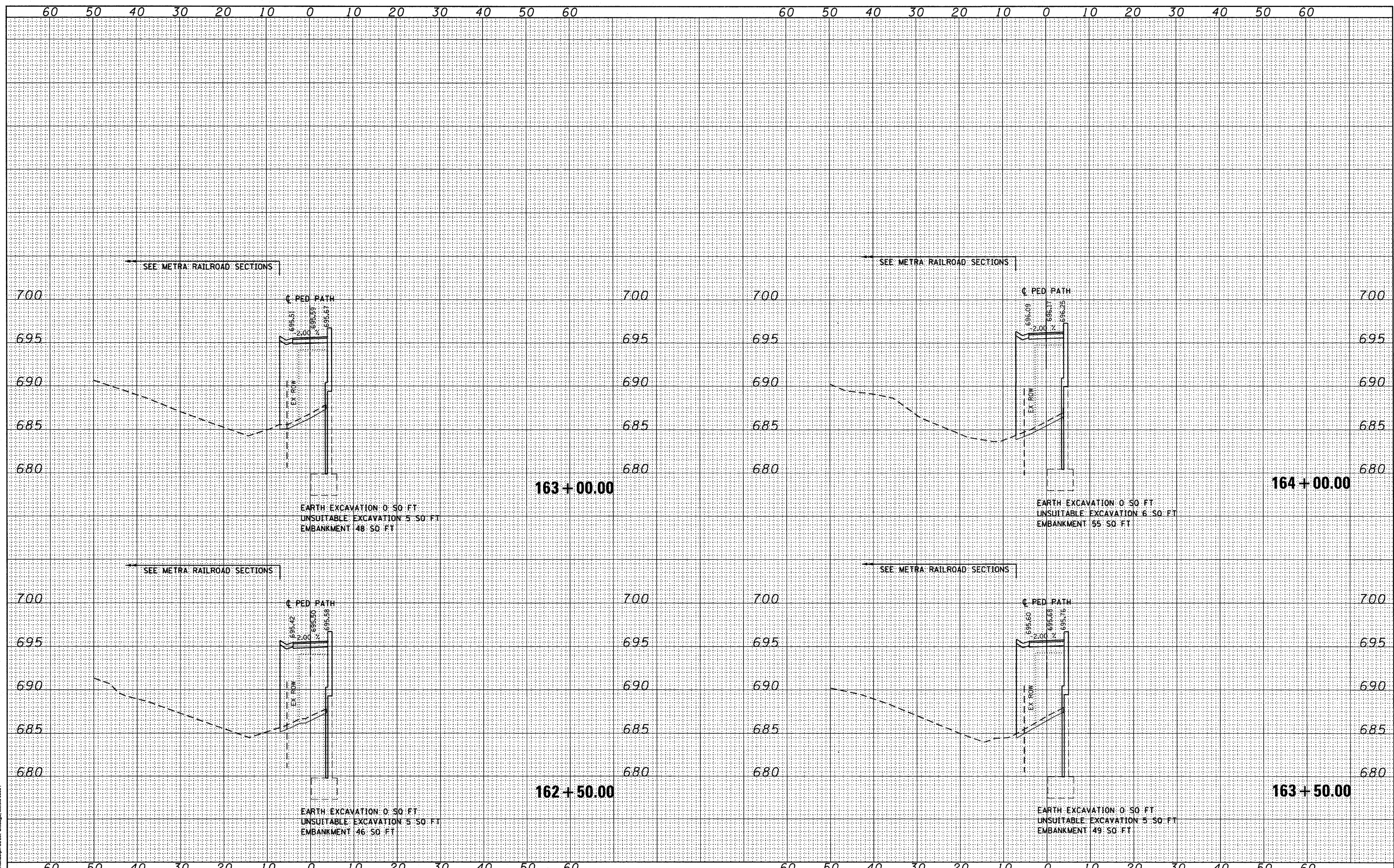
SCALE: 1"=10'H+1"=5'V SHEET NO. 2 OF 8 SHEETS STA. 160+50.00 TO STA. 162+00.00

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| F.A.P. RTE. 330 | SECTION 73 R-B | COUNTY COOK | TOTAL SHEETS 136 | SHEET NO. 130 |
| XS-P-02 | | CONTRACT NO. 60K64 | | |
| ILLINOIS FED. AID PROJECT | | | | |

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Engineers / Architects
188 East Randolph Street, Chicago, Illinois 60601



FILE NAME = D160K64-SHT-XSSH02.dgn
 USER NAME = jletour

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| PLOT SCALE = | 1:10 |
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PEDESTRIAN PATH CROSS SECTIONS

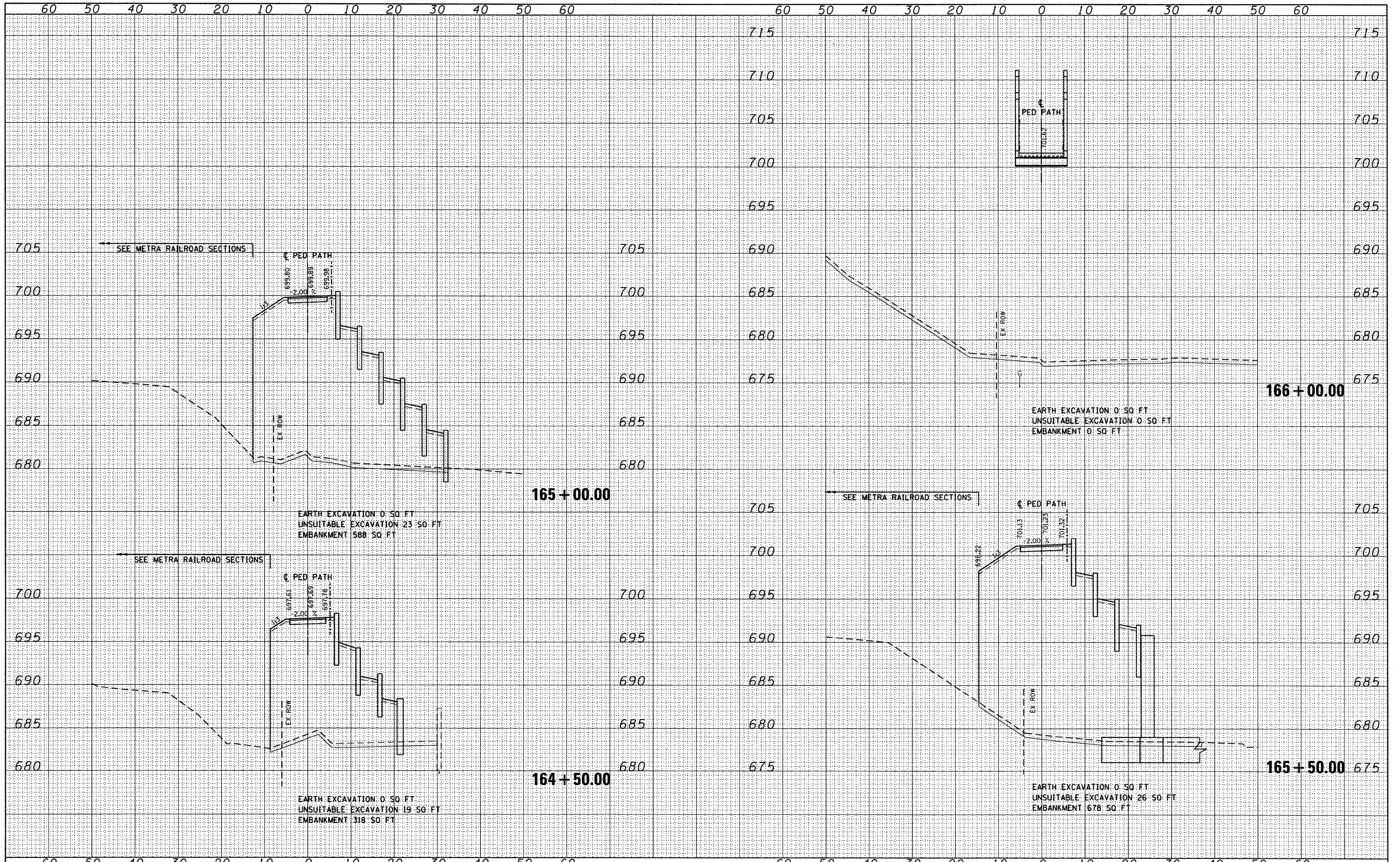
SCALE: 1"=10'H; 1"=5'V SHEET NO. 3 OF 8 SHEETS STA. 162+50.00 TO STA. 164+00.00

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| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 330 | 73 R-B | COOK | 136 | 131 |
| XS-P-03 | | | CONTRACT NO. 60K64 | |
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 Engineers/Architects
 189 East Randolph Street, Chicago, Illinois 60601



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PEDESTRIAN PATH CROSS SECTIONS

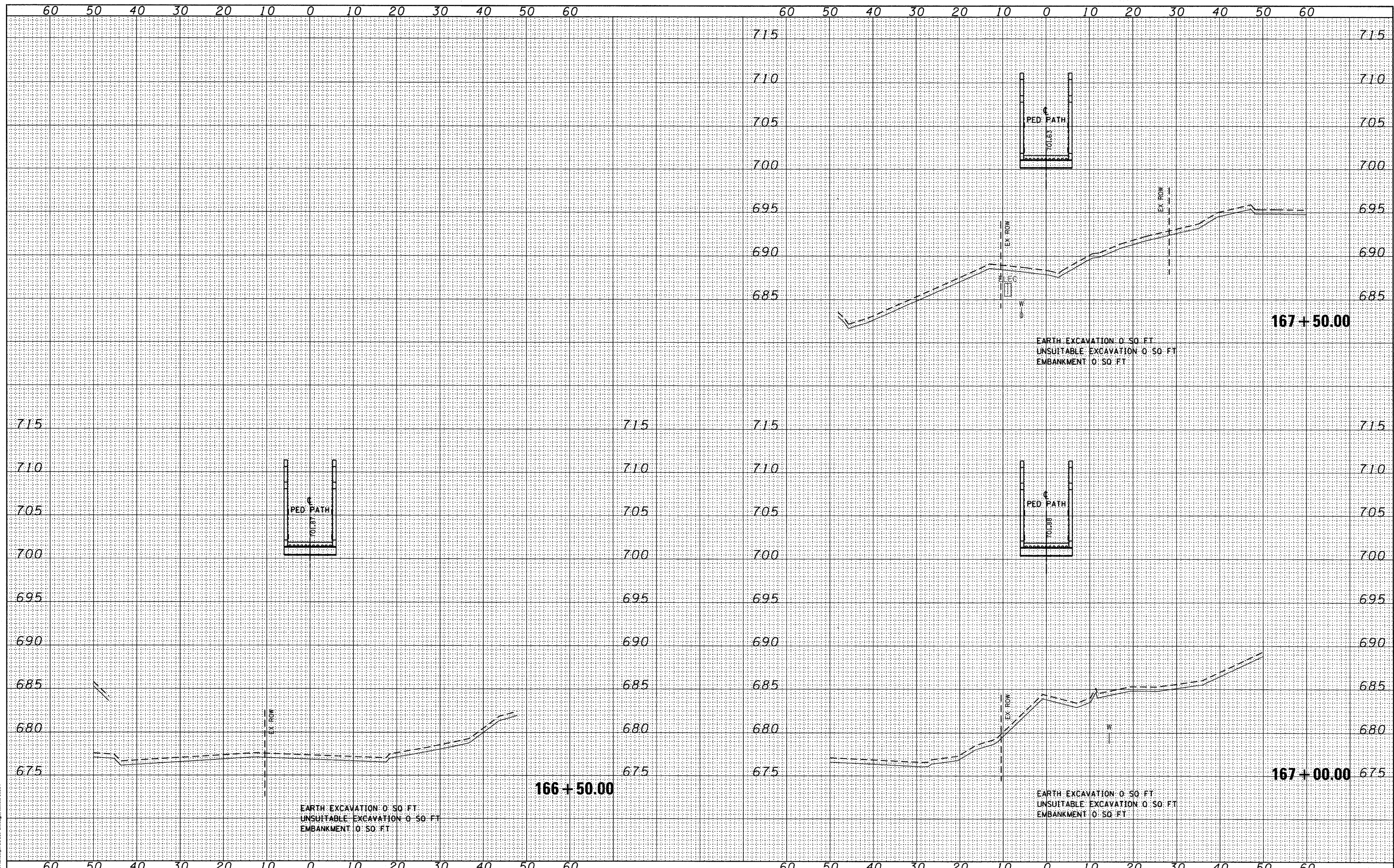
SCALE: 1"=10'H+1"=5'V SHEET NO. 4 OF 8 SHEETS STA. 164+50.00 TO STA. 166+00.00

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| F.A.P. RTE. 330 | SECTION 73 R-B | COUNTY COOK | TOTAL SHEETS 136 | SHEET NO. 132 |
| XS-P-04 | | CONTRACT NO. 60K64 | | |
| ILLINOIS FED. AID PROJECT | | | | |

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Engineers / Architects
130 East Randolph Street, Chicago, Illinois 60601



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| FILE NAME = | D160K64-SHT-XSSHT02.dgn |
| USER NAME = | jletour |
| DESIGNED - | BFH |
| REVISOR - | |
| DRAWN - | BFH |
| REVISOR - | |
| CHECKED - | MJT |
| REVISOR - | |
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| REVISOR - | |

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| PLOT SCALE = | 1:10 |
| PLOT DATE = | 1/27/2011 |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PEDESTRIAN PATH CROSS SECTIONS

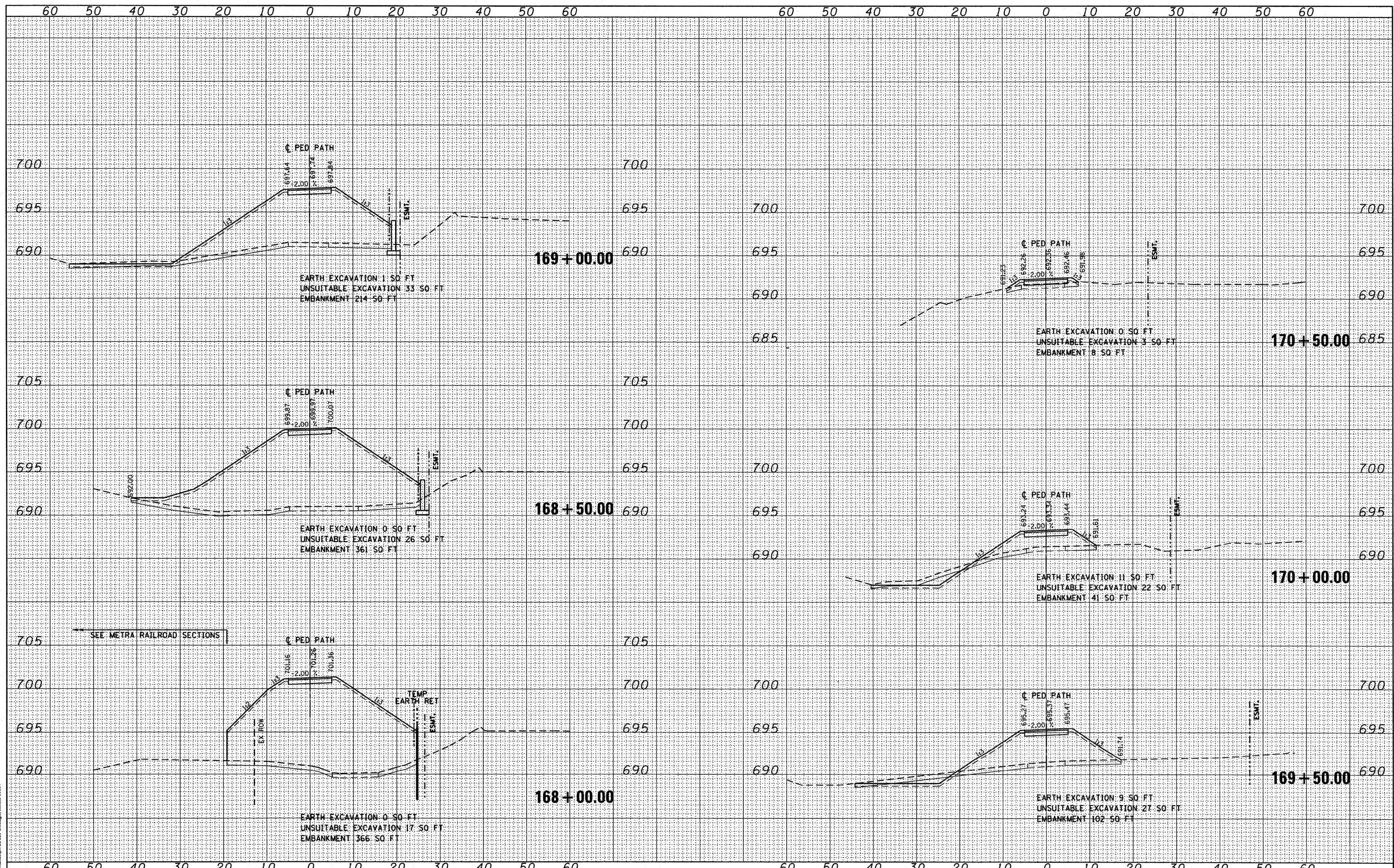
SCALE: 1"=10'H; 1"=5'V SHEET NO. 5 OF 8 SHEETS STA. 166+50.00 TO STA. 167+50.00

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| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 330 | 73 R-B | COOK | 136 | 133 |
| XS-P-05 | | CONTRACT NO. 60K64 | | |
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 139 East Randolph Street, Chicago, Illinois 60601



FILE NAME = D168K64-SHT-XSSHT02.dgn
 USER NAME = j1etour
 PLOT SCALE = 1:10
 PLOT DATE = 1/27/2011

DESIGNED - BFH
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

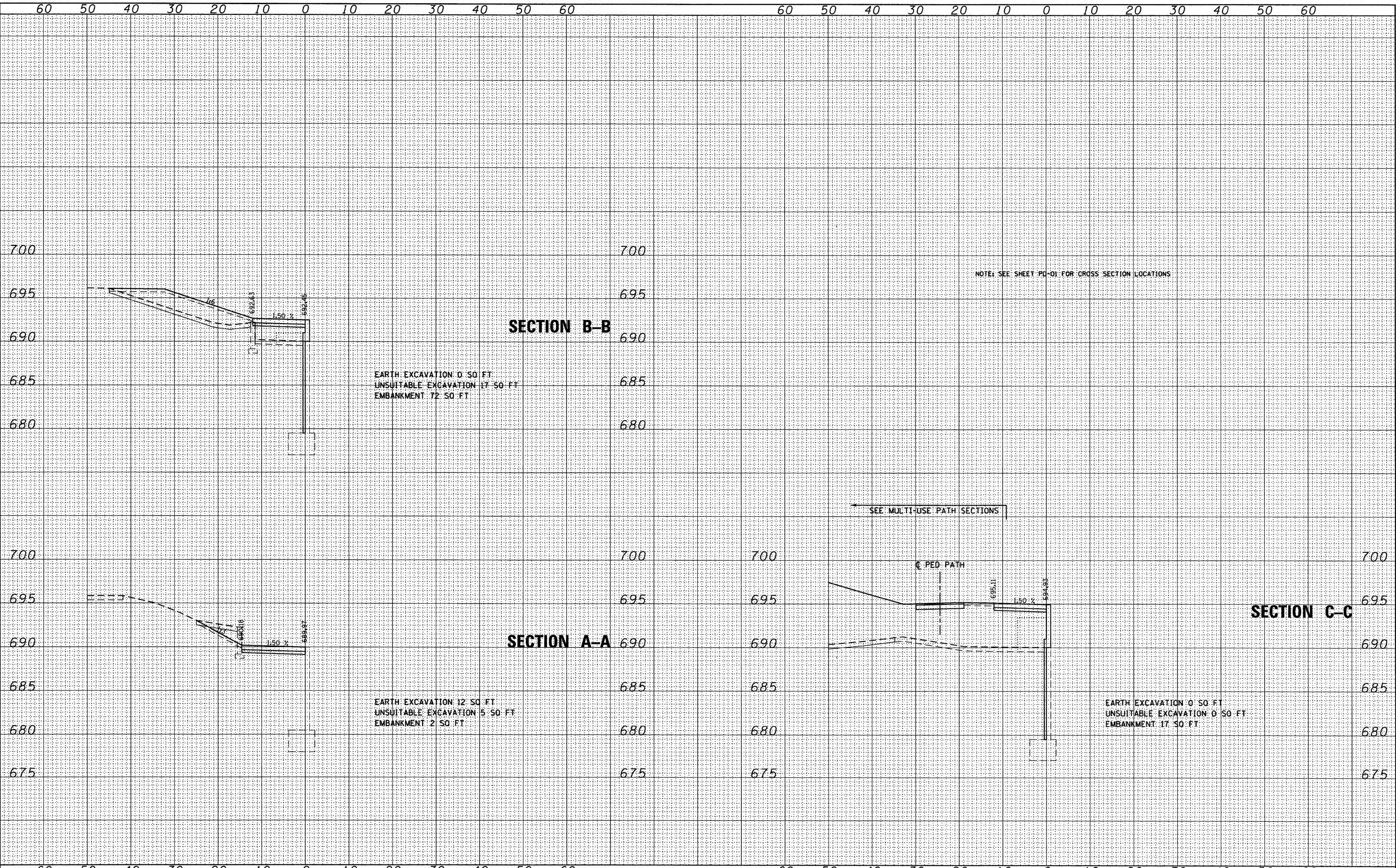
PEDESTRIAN PATH CROSS SECTIONS
 SCALE: 1"=10'H 1"=5'V SHEET NO. 6 OF 8 SHEETS STA. 168+00.00 TO STA. 170+50.00

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| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 330 | 73 R-B | COOK | 136 | 134 |
| XS-P-06 | | CONTRACT NO. 60K64 | | |
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| FILE NAME = DI60K64-SHT-XSHT03.dgn | USER NAME = jlatour | DESIGNED - BFH | REVISIONS | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | PEDESTRIAN PATH CROSS SECTIONS | | | F.A.P. RTE. 330 | SECTION 73 R-B | COUNTY COOK | TOTAL SHEETS 136 | SHEET NO. 136 |
| | PLOT SCALE = 1:100 | DRAWN - BFH | REVISIONS | | SCALE: 1"=10'H 1"=5' V | SHEET NO. 8 OF 8 SHEETS | STA. | TO STA. | XS-P-08 | | CONTRACT NO. 60K64 | |
| | PLOT DATE = 1/27/2011 | CHECKED - MJT | REVISIONS | | ILLINOIS FED. AID PROJECT | | | | | | | |
| | | DATE - 12/17/10 | REVISIONS | | | | | | | | | |