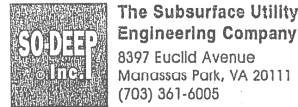


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLEAN	497	201
STA. N/A		TO STA. N/A		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 70514				



The Subsurface Utility Engineering Company
8397 Euclid Avenue
Manassas Park, VA 20111
(703) 361-6005

So-Deep Test Hole Certification Form - Metric

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Control # **SILA093**
Test Hole # **19**
Plan Scale **1:250**
Sheet # **3**
Proposed Date **STORM X-ING**
OCTOBER 19, 2005

City, County, State **MCLEAN CO., IL**
Gen. Loc. **MORRIS AVE., S. OF SIX POINTS RD.**
Recorded Size/Material/Type **(1) 102MM STEEL GAS LINE**
Foreman/Truck#/Form By **J. HARLIN /Z21 /M. LOSE**

Condition of paving prior to work
NO PAVING

B.M. 1 Elev. = **251.463M**
is **GIVEN**
Description: **(TRAV 2000) TOP OF RR SPIKE FOUND; 20.40M ± RIGHT OF STATION 0+402.60±, S. MORRIS AVE.**

B.M. 2 Elev. = **250.851M**
is **CALCULATED**
Description: **CHIS. "X" SET TOP RIM SSMH; 14.0M± LEFT OF STATION 0+418.20±, S. MORRIS AVE.**

Benchmarks check **BY 0.003M**
Elevations are referenced to **B.M.#2**

SO-DEEP will attempt to use the BM/Hi most applicable to your design. If however, BMs differ by more than .05', resulting differences could cause design conflicts.

Recorded Size/Type of utility **WAS FOUND**

There **WERE NOT** additional utilities in the test hole

The utility **WAS** in good condition.

Paving Thickness and type **NO PAVE**

Color of ribbon installed **YELLOW**

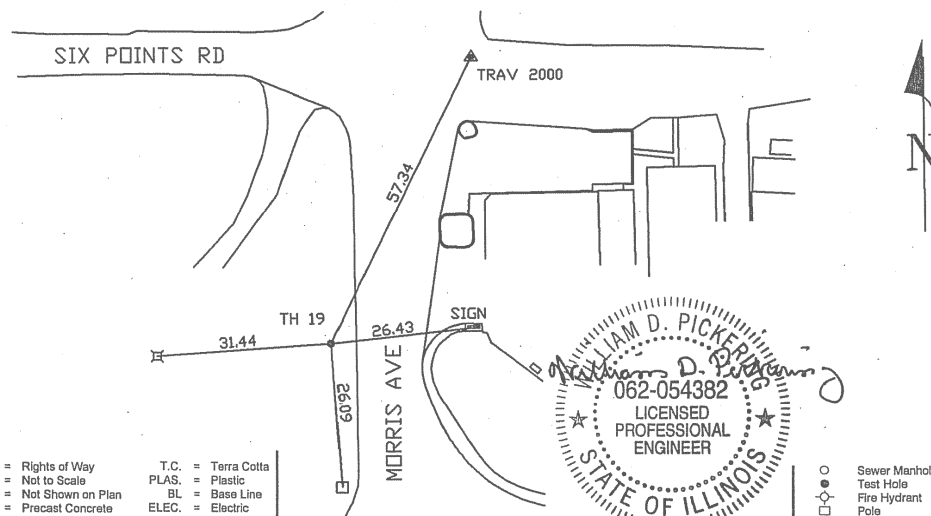
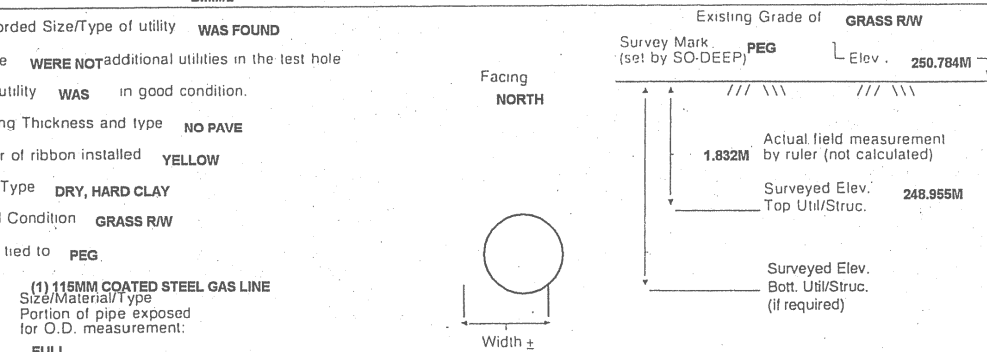
Soil Type **DRY, HARD CLAY**

Field Condition **GRASS R/W**

T.H. tied to **PEG**

(1) 115MM COATED STEEL GAS LINE
Size/Material/Type
Portion of pipe exposed for O.D. measurement:
FULL

Remarks: **NONE**



- RW = Rights of Way
- N.T.S. = Not to Scale
- * = Not Shown on Plan
- PCC = Precast Concrete
- COND. = Conduit
- CONC. = Concrete
- O.D. = Outside Diameter
- C.I. = Cast Iron
- D.I. = Ductile Iron
- RPC = Rough Pour Concrete
- CL = Centerline
- T.C. = Terra Cotta
- PLAS. = Plastic
- BL = Base Line
- ELEC. = Electric
- TELE = Telephone
- T.H. = Test Hole
- SW = Sidewalk
- DW = Driveway
- BM = Benchmark
- C.B. = Catch Basin
- GV = Gas Valve

Performing out-of-sight work...with vision.™

All values are shown in meters (m) or millimeters (mm).
To convert to feet multiply meters by 3.2808.
Note: To eliminate mistakes and check this work, So-Deep suggests you scale and plot all dimensions onto the plans and review all elevations carefully. So-Deep is responsible only for information shown on our forms.

- Sewer Manhole
- Test Hole
- ⊕ Fire Hydrant
- Pole
- x-x-x-x-x Fence Line
- ⊙ Electric Manhole
- ⊕ = T.S. = Traverse Station
- ⊗ Valve
- ⊕ Water Meter
- ⊕ Telephone Manhole
- ⊕ Telephone Pedestal



The Subsurface Utility Engineering Company
8397 Euclid Avenue
Manassas Park, VA 20111
(703) 361-6005

So-Deep Test Hole Certification Form - Metric

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City, County, State **MCLEAN CO., IL**
Gen. Loc. **SPRINGFIELD AVE.; E. OF HOUSE #2223**
Recorded Size/Material/Type **61MM STEEL GAS LINE**
Foreman/Truck#/Form By **J. HARLIN /Z21 /M. LOSE**

Condition of paving prior to work
NO PAVING

Control # **SILA093**
Test Hole # **20**
Plan Scale **1:250**
Sheet # **10**
Proposed Date **GRADE CHANGE**
OCTOBER 20, 2005

B.M. 1 Elev. = **253.445M**
is **GIVEN**
Description: **(TRAV 2005) CHIS. "X" FOUND; 2.10M ± LT OF STA. 0+221.00± S. MORRIS AVE.**

B.M. 2 Elev. = **251.463M**
is **GIVEN**
Description: **(TRAV 2000) TOP OF RR SPIKE FOUND; 20.40M ± RT OF STA. 0+402.60± S. MORRIS AVE.**

Benchmarks check **BY 0.004M**
Elevations are referenced to **B.M.#1**

SO-DEEP will attempt to use the BM/Hi most applicable to your design. If however, BMs differ by more than .05', resulting differences could cause design conflicts.

Recorded Size/Type of utility **WAS FOUND**

There **WERE NOT** additional utilities in the test hole

The utility **WAS** in good condition.

Paving Thickness and type **NO PAVE**

Color of ribbon installed **YELLOW**

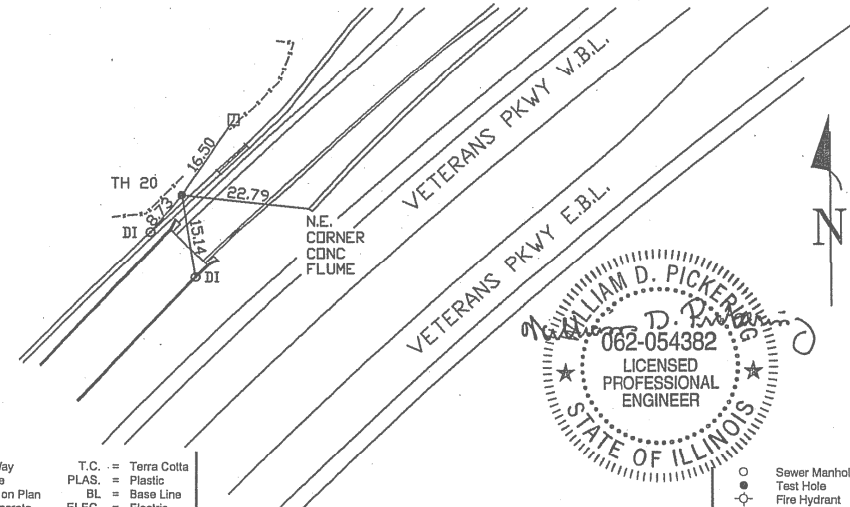
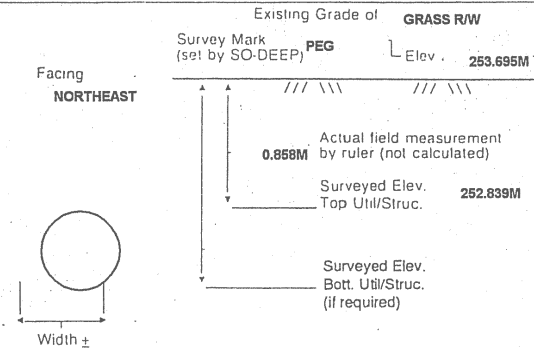
Soil Type **DRY, HARD**

Field Condition **GRASS R/W**

T.H. tied to **PEG**

64MM COATED STEEL GAS LINE
Size/Material/Type
Portion of pipe exposed for O.D. measurement:
FULL

Remarks: **NONE**



- RW = Rights of Way
- N.T.S. = Not to Scale
- * = Not Shown on Plan
- PCC = Precast Concrete
- COND. = Conduit
- CONC. = Concrete
- O.D. = Outside Diameter
- C.I. = Cast Iron
- D.I. = Ductile Iron
- RPC = Rough Pour Concrete
- CL = Centerline
- T.C. = Terra Cotta
- PLAS. = Plastic
- BL = Base Line
- ELEC. = Electric
- TELE = Telephone
- T.H. = Test Hole
- SW = Sidewalk
- DW = Driveway
- BM = Benchmark
- C.B. = Catch Basin
- GV = Gas Valve

Performing out-of-sight work...with vision.™

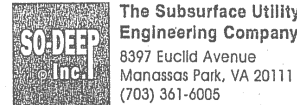
All values are shown in meters (m) or millimeters (mm).
To convert to feet multiply meters by 3.2808.
Note: To eliminate mistakes and check this work, So-Deep suggests you scale and plot all dimensions onto the plans and review all elevations carefully. So-Deep is responsible only for information shown on our forms.

- Sewer Manhole
- Test Hole
- ⊕ Fire Hydrant
- Pole
- x-x-x-x-x Fence Line
- ⊙ Electric Manhole
- ⊕ = T.S. = Traverse Station
- ⊗ Valve
- ⊕ Water Meter
- ⊕ Telephone Manhole
- ⊕ Telephone Pedestal

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<p>SUBSURFACE UTILITY ENGINEERING DETAILS SHEET 10 OF 11</p> <p>DRAWN BY SAM CHECKED BY PMH</p> <p>DATE 5/27/09</p>

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLEAN	497	202
STA. N/A		TO STA. N/A		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 70514



The Subsurface Utility Engineering Company
8397 Euclid Avenue
Manassas Park, VA 20111
(703) 361-6005

So-Deep Test Hole Certification Form - Metric

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Control # **SILA093**
Test Hole # **21**
Plan Scale **1:250**
Sheet # **17**
Proposed **GRADE CHANGE**
Date **OCTOBER 20, 2005**

City, County, State **MCLEAN CO., IL**
Gen. Loc. **MORRIS AVE, N. OF GOOSE CREEK RD.**
Recorded Size/Material/Type **102MM STEEL GAS LINE & 203MM UNK TYPE WATER LINE**
Foreman/Truck#/Form By **J. HARLIN /221 /M. LOSE**

B.M. 1 Elev. = **251.635M**
is **GIVEN**
Description: **(TBM 13) TOP NUT OF HYDRANT; 7.50M± RT OF STA. 0+604.00 ±, S. MORRIS AVE.**

B.M. 2 Elev. = **251.463M**
is **GIVEN**
Description: **(TRAV 2000) TOP OF RR SPIKE FOUND; 20.40M ± RT OF STA. 0+402.60± S. MORRIS AVE.**

Benchmarks check **BY 0.009M**
Elevations are referenced to **B.M.#1**

Recorded Size/Type of utility **WAS FOUND**

There **WERE** additional utilities in the test hole

The utility **WAS** in good condition.

Paving Thickness and type **NO PAVE**

Color of ribbon installed **BLUE, YELLOW**

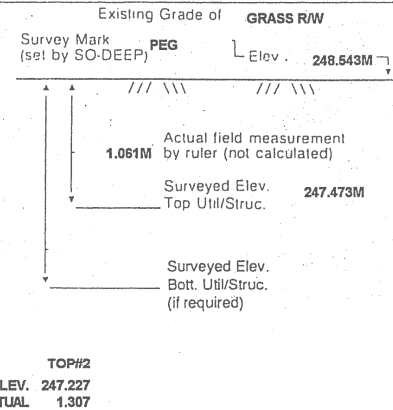
Soil Type **DRY, HARD**

Field Condition **GRASS R/W**

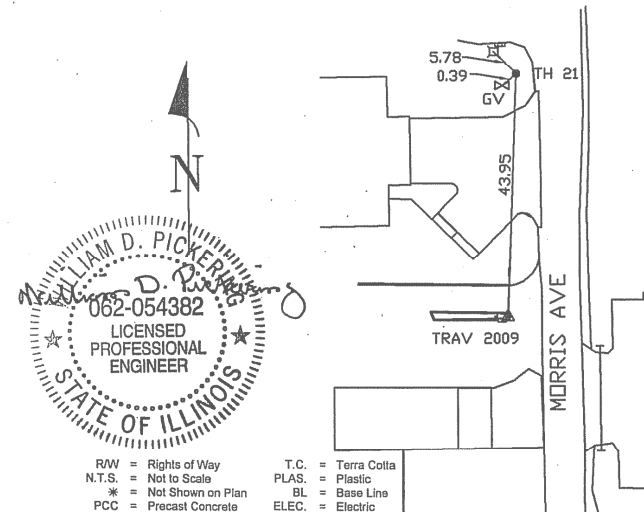
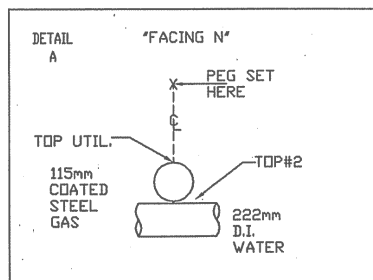
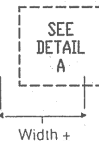
T.H. tied to **PEG**

115MM COATED STEEL GAS & 222MM D.I. WATER
Size/Material/Type
Portion of pipe exposed for O.D. measurement:
N/A

Remarks: **NONE.**



Facing



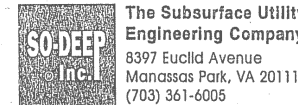
- R/W = Rights of Way
- N.T.S. = Not to Scale
- * = Not Shown on Plan
- PCC = Precast Concrete
- COND. = Conduit
- CONC. = Concrete
- O.D. = Outside Diameter
- C.I. = Cast Iron
- D.I. = Ductile Iron
- RPC = Rough Pour Concrete
- CL = Centerline

- T.C. = Terra Cotta
- PLAS. = Plastic
- BL = Base Line
- ELEC. = Electric
- TELE = Telephone
- T.H. = Test Hole
- SW = Sidewalk
- DW = Driveway
- BM = Benchmark
- C.B. = Catch Basin
- GV = Gas Valve

Performing out-of-sight work...with vision™

All values are shown in meters (m) or millimeters (mm).
To convert to feet multiply meters by 3.2808.
Note: To eliminate mistakes and check this work, So-Deep suggests you scale and plot all dimensions onto the plans and review all elevations carefully. So-Deep is responsible only for information shown on our forms.

- = Sewer Manhole
- ⊙ = Test Hole
- ⊕ = Fire Hydrant
- ⊖ = Pole
- x-x-x-x-x = Fence Line
- ⊕ = Electric Manhole
- = T.S. = Traverse Station
- ⊕ = Valve
- ⊕ = Water Meter
- ⊕ = Telephone Manhole
- ⊕ = Telephone Pedestal



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(703) 361-6005

So-Deep Test Hole Certification Form - Metric

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Control # **SILA093**
Test Hole # **22**
Plan Scale **1:250**
Sheet # **17**
Proposed **GRADE CHANGE**
Date **OCTOBER 20, 2005**

City, County, State **MCLEAN CO., IL**
Gen. Loc. **MORRIS AVE, N. OF GOOSE CREEK RD.**
Recorded Size/Material/Type **(1) UNK. SIZE TELE. CABLE & 102MM STEEL GAS LINE**
Foreman/Truck#/Form By **J. HARLIN /221 /M. LOSE**

B.M. 1 Elev. = **251.635M**
is **GIVEN**
Description: **(TBM 13) TOP NUT OF HYDRANT; 7.50M± RT OF STA. 0+604.00 ±, S. MORRIS AVE.**

B.M. 2 Elev. = **251.463M**
is **GIVEN**
Description: **(TRAV 2000) TOP OF RR SPIKE FOUND; 20.40M ± RT OF STA. 0+402.60± S. MORRIS AVE.**

Benchmarks check **BY 0.009M**
Elevations are referenced to **B.M.#1**

Recorded Size/Type of utility **WAS FOUND**

There **WERE** additional utilities in the test hole

The utility **WAS** in good condition.

Paving Thickness and type **NO PAVE**

Color of ribbon installed **ORANGE, YELLOW**

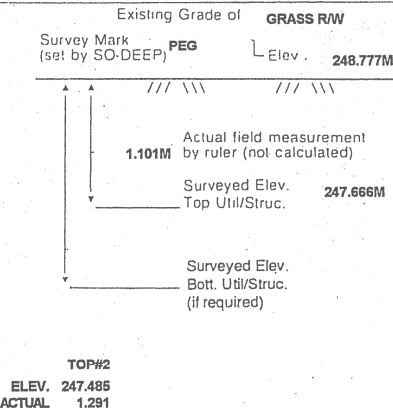
Soil Type **DRY, HARD**

Field Condition **GRASS R/W**

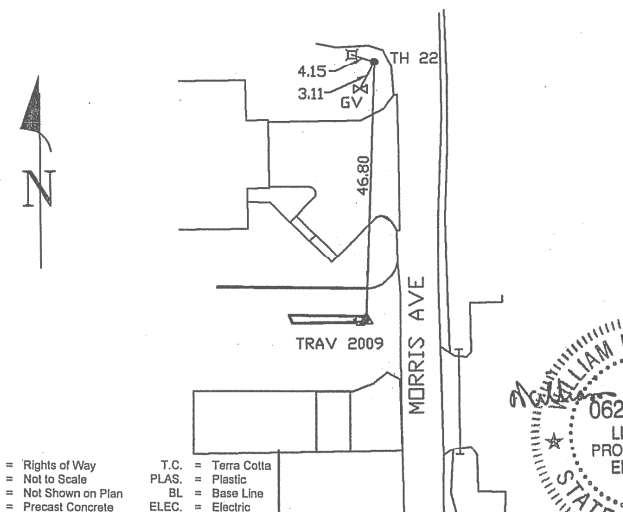
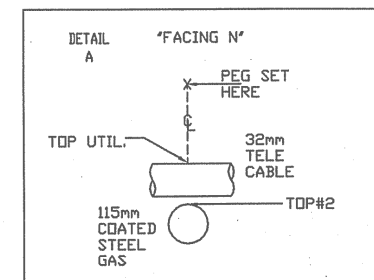
T.H. tied to **PEG**

(1) 32MM TELE. CABLE & 115MM COATED ST. GAS
Size/Material/Type
Portion of pipe exposed for O.D. measurement:
N/A

Remarks: **NONE.**



Facing



- R/W = Rights of Way
- N.T.S. = Not to Scale
- * = Not Shown on Plan
- PCC = Precast Concrete
- COND. = Conduit
- CONC. = Concrete
- O.D. = Outside Diameter
- C.I. = Cast Iron
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- TELE = Telephone
- T.H. = Test Hole
- SW = Sidewalk
- DW = Driveway
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- C.B. = Catch Basin
- GV = Gas Valve

Performing out-of-sight work...with vision™

All values are shown in meters (m) or millimeters (mm).
To convert to feet multiply meters by 3.2808.
Note: To eliminate mistakes and check this work, So-Deep suggests you scale and plot all dimensions onto the plans and review all elevations carefully. So-Deep is responsible only for information shown on our forms.

- = Sewer Manhole
- ⊙ = Test Hole
- ⊕ = Fire Hydrant
- ⊖ = Pole
- x-x-x-x-x = Fence Line
- ⊕ = Electric Manhole
- = T.S. = Traverse Station
- ⊕ = Valve
- ⊕ = Water Meter
- ⊕ = Telephone Manhole
- ⊕ = Telephone Pedestal

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUBSURFACE UTILITY ENGINEERING DETAILS
SHEET 11 OF 11

DRAWN BY **SAM**
CHECKED BY **PMH**

DATE **5/27/09**

SE 1/4 SEC. 8 T. 23 N, R. 2 E, 3RD P.M.

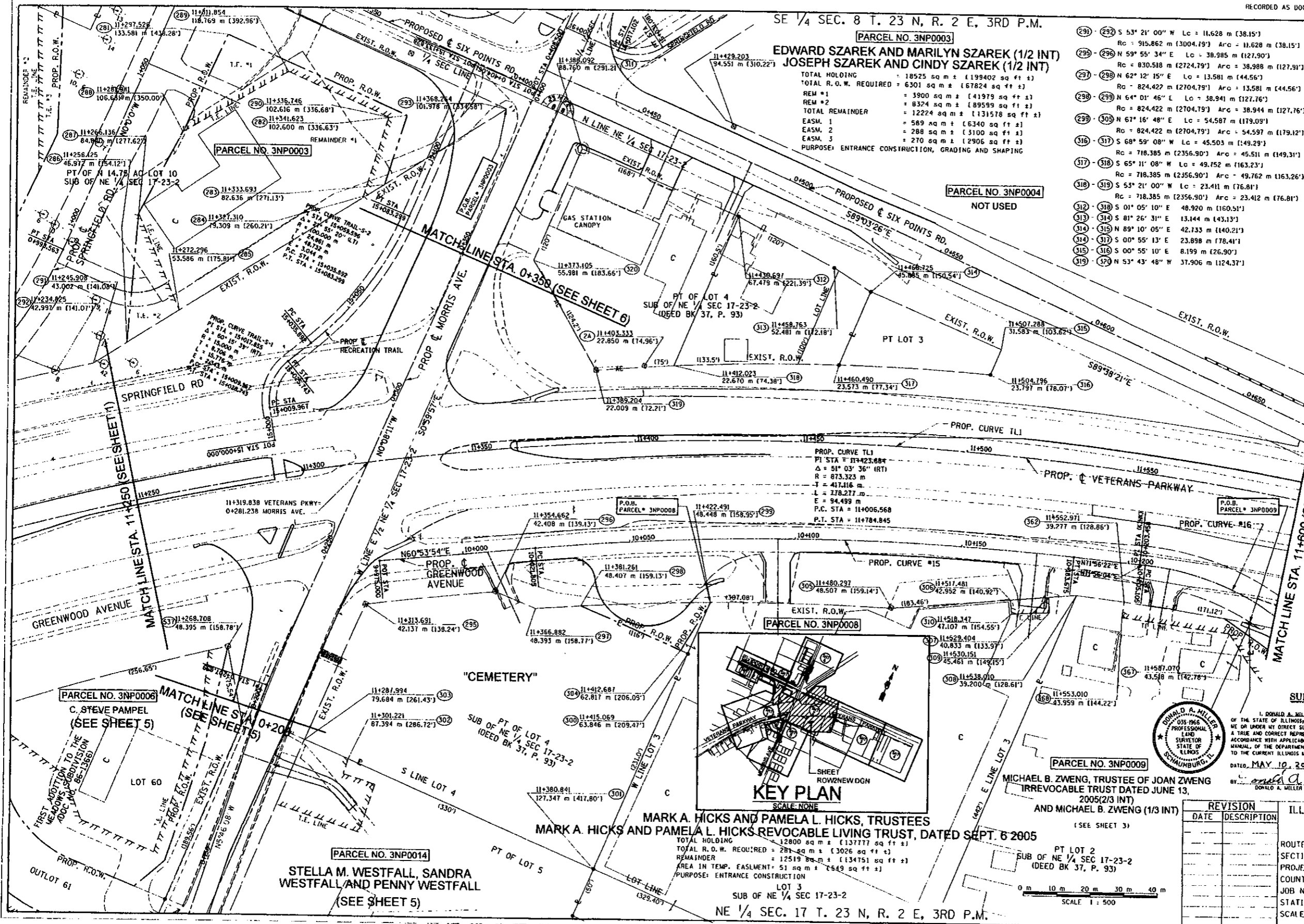
EDWARD SZAREK AND MARILYN SZAREK (1/2 INT)
JOSEPH SZAREK AND CINDY SZAREK (1/2 INT)

PARCEL NO. 3NP0003
TOTAL HOLDING = 18525 sq m ± (199402 sq ft ±)
TOTAL R.O.W. REQUIRED = 6301 sq m ± (67824 sq ft ±)
REM #1 = 3900 sq m ± (41979 sq ft ±)
REM #2 = 8324 sq m ± (89599 sq ft ±)
TOTAL REMAINDER = 12224 sq m ± (131578 sq ft ±)
EASM. 1 = 589 sq m ± (6340 sq ft ±)
EASM. 2 = 288 sq m ± (3100 sq ft ±)
EASM. 3 = 270 sq m ± (2906 sq ft ±)
PURPOSE: ENTRANCE CONSTRUCTION, GRADING AND SHAPING

- (291) - (292) S 53° 21' 00" W Lc = 11,628 m (38,15')
- Rc = 915,862 m (3004,19') Arc = 11,628 m (38,15')
- (293) - (296) N 59° 55' 34" E Lc = 38,985 m (127,90')
- Rc = 830,518 m (2724,79') Arc = 38,988 m (127,91')
- (297) - (298) N 62° 12' 15" E Lc = 13,581 m (44,56')
- Rc = 824,422 m (2704,79') Arc = 13,581 m (44,56')
- (299) - (299) N 64° 01' 46" E Lc = 38,941 m (127,76')
- Rc = 824,422 m (2704,79') Arc = 38,944 m (127,76')
- (300) - (305) N 67° 16' 48" E Lc = 54,587 m (179,09')
- Rc = 824,422 m (2704,79') Arc = 54,597 m (179,12')
- (306) - (317) S 68° 59' 08" W Lc = 45,503 m (149,29')
- Rc = 718,385 m (2356,90') Arc = 45,511 m (149,31')
- (318) - (318) S 65° 11' 08" W Lc = 49,752 m (163,23')
- Rc = 718,385 m (2356,90') Arc = 49,762 m (163,26')
- (319) - (319) S 53° 21' 00" W Lc = 23,411 m (76,81')
- Rc = 718,385 m (2356,90') Arc = 23,412 m (76,81')
- (320) - (320) S 01° 05' 10" E Lc = 48,920 m (160,51')
- (321) - (321) S 81° 26' 31" E Lc = 13,144 m (43,13')
- (322) - (322) N 89° 10' 05" E Lc = 42,733 m (140,21')
- (323) - (323) S 00° 55' 13" E Lc = 23,898 m (78,41')
- (324) - (324) S 00° 55' 10" E Lc = 8,199 m (26,90')
- (325) - (325) N 53° 43' 48" W Lc = 37,906 m (124,37')

- (281) - (282) S 89° 41' 01" E Lc = 58,863 m (193,13')
- (283) - (283) S 00° 00' 00" W Lc = 32,216 m (105,70')
- (284) - (284) S 06° 31' 30" E Lc = 21,806 m (71,54')
- (285) - (285) S 33° 47' 35" W Lc = 7,728 m (25,35')
- (286) - (286) S 33° 47' 35" E Lc = 42,837 m (140,54')
- (287) - (287) S 33° 47' 35" W Lc = 64,532 m (211,71')
- (288) - (288) N 06° 31' 37" W Lc = 25,529 m (83,74')
- (289) - (289) S 33° 47' 35" W Lc = 18,336 m (60,14')
- (290) - (290) N 46° 49' 33" W Lc = 31,738 m (104,10')
- (291) - (291) S 19° 18' 29" W Lc = 39,156 m (128,45')
- (292) - (292) S 33° 47' 35" W Lc = 11,454 m (37,57')
- (293) - (293) N 04° 03' 49" E Lc = 28,181 m (92,45')
- (294) - (294) S 35° 54' 40" E Lc = 36,235 m (118,85')
- (295) - (295) S 89° 41' 05" E Lc = 32,887 m (107,89')
- (296) - (296) S 00° 10' 27" E Lc = 44,508 m (146,02')
- (297) - (297) N 88° 35' 39" E Lc = 13,040 m (42,77')
- (298) - (298) N 89° 44' 11" E Lc = 32,761 m (107,48')
- (299) - (299) S 07° 34' 26" W Lc = 17,051 m (55,94')
- (300) - (300) S 00° 38' 38" E Lc = 70,426 m (231,05')
- (301) - (301) S 89° 44' 03" W Lc = 2,437 m (8,00')
- (302) - (302) S 89° 44' 08" W Lc = 80,411 m (263,80')
- (303) - (303) S 89° 44' 08" W Lc = 14,231 m (46,69')
- (304) - (304) N 61° 22' 21" E Lc = 35,670 m (117,03')
- (305) - (305) N 61° 22' 21" E Lc = 11,547 m (37,88')
- (306) - (306) S 26° 35' 29" E Lc = 4,235 m (13,89')
- (307) - (307) N 61° 22' 21" E Lc = 8,372 m (27,47')
- (308) - (308) S 26° 21' 26" E Lc = 4,683 m (15,36')
- (309) - (309) S 63° 37' 40" W Lc = 11,299 m (37,07')
- (310) - (310) N 89° 05' 20" E Lc = 51,055 m (167,51')
- (311) - (311) S 01° 05' 10" E Lc = 36,576 m (120,00')
- (312) - (312) S 86° 11' 06" E Lc = 32,776 m (107,54')

PARCEL NO. 3NP0004
NOT USED



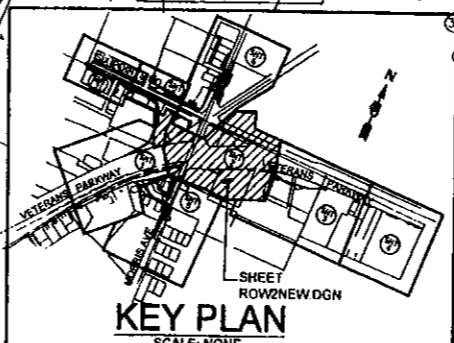
LEGEND

- SECTION CORNER
- FOUND IRON ROD OR PIPE
- FOUND RIGHT OF WAY MARKER
- ACCESS CONTROL
- RECORD DATA
- ENGLISH EQUIVALENT
- EXISTING TREE / DIAMETER (INCHES)

NOTES:
BEARINGS AND GRID DISTANCES BASED ON STATE PLANE COORDINATES NAD 83, EAST ZONE. GRID FACTOR = 1.00001605. 1 METER = 3.28083333 FEET.

PROP. CURVE #15
PI STA = 10+102.992
Δ = 11° 02' 28" (RT.)
R = 840,000 m
T = 81,186 m
L = 161,870 m
E = 3,914 m
o = N.C.
T.R. = N.A.
S.E. RUN. = N.A.
P.C. STA = 10+021.805
P.T. STA = 10+183.675

PROP. CURVE #16
PI STA = 10+229.362
Δ = 34° 02' 16" (RT.)
R = 79,248 m
T = 24,257 m
L = 47,079 m
E = 3,629 m
o = N.C.
T.R. = N.A.
S.E. RUN. = N.A.
P.C. STA = 10+205.105
P.T. STA = 10+252.184



MARK A. HICKS AND PAMELA L. HICKS, TRUSTEES
MARK A. HICKS AND PAMELA L. HICKS REVOCABLE LIVING TRUST, DATED SEPT. 6 2005

PARCEL NO. 3NP0008
TOTAL HOLDING = 12800 sq m ± (137777 sq ft ±)
TOTAL R.O.W. REQUIRED = 2871 sq m ± (3026 sq ft ±)
REMAINDER = 12519 sq m ± (134751 sq ft ±)
AREA IN TEMP. EASMENT = 51 sq m ± (549 sq ft ±)
PURPOSE: ENTRANCE CONSTRUCTION

PT LOT 2
SUB OF NE 1/4 SEC 17-23-2
(DEED BK 37, P. 93)

SCALE 1:500

NE 1/4 SEC. 17 T. 23 N, R. 2 E, 3RD P.M.

SURVEYOR'S STATEMENT

I, DONALD A. MILLER, HEREBY STATE THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS; THAT THE SURVEY OF PROPOSED FAP ROUTE 104 WAS MADE BY ME OR UNDER MY DIRECT SUPERVISION THAT THE LAND CORNER TIES AS SHOWN HEREON, ARE A TRUE AND CORRECT REPRESENTATION OF SAID SURVEY; AND THAT THE PLAN HEREON IS IN ACCORDANCE WITH APPLICABLE SECTIONS OF THE LAND ACQUISITION POLICIES AND PROCEDURES MANUAL OF THE DEPARTMENT'S DISTRICT POLICIES. THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
DATED, MAY 10, 2007
DONALD A. MILLER
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-1966
LICENSE EXPIRES DATE 11-30-08



REVISION	DATE	DESCRIPTION

**ILLINOIS DEPT. OF TRANSPORTATION
RIGHT OF WAY PLANS**

ROUTE EAP 704 (I-55 BL. VETERAN'S PARKWAY)
SECTION W.N. & IS-1
PROJECT
COUNTY McLEAN
JOB NUMBER R-93-005-98
STATION 11+250 TO 11+600
SCALE 1:500 SHEET 2 OF 8

PARCEL NO. 3NP0006
C. STEVE PAMPEL
(SEE SHEET 5)

PARCEL NO. 3NP0014
STELLA M. WESTFALL, SANDRA WESTFALL AND PENNY WESTFALL
(SEE SHEET 5)

PARCEL NO. 3NP0007
PT OF NE 1/4 SEC 17-23-2
(DEED BK 37, P. 93)

PI STA = 11+423.684
 $\Delta = 51^\circ 03' 36''$ (RT)
 R = 873.323 m
 T = 417.116 m
 L = 778.277 m
 E = 94.499 m

P.C. STA = 11+006.568
 P.T. STA = 11+784.845

PROPOSED SIX POINTS ROAD 0+650
 $S89^\circ03'26''E$

EXIST. R.O.W.

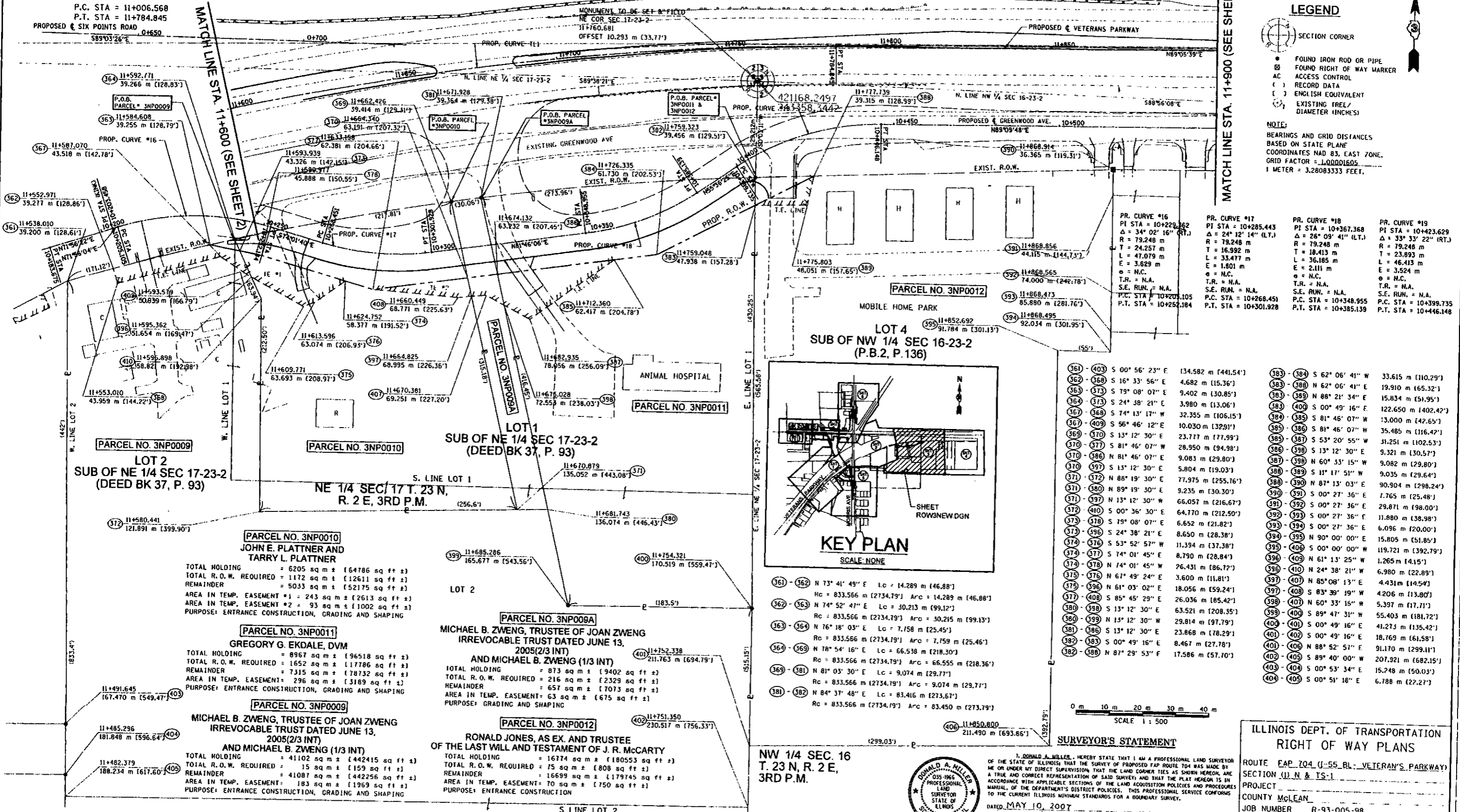
EXIST. R.O.W.

EXIST. R.O.W.

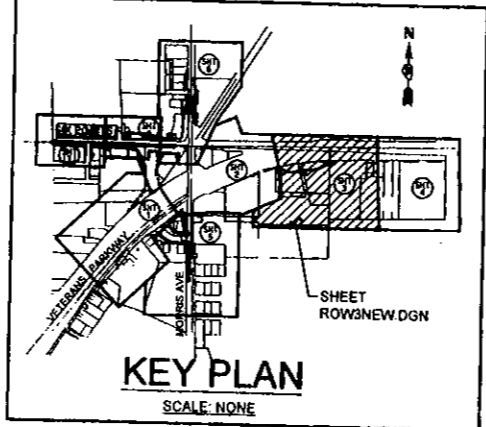
LEGEND

- SECTION CORNER
- FOUND IRON ROD OR PIPE
- FOUND RIGHT OF WAY MARKER
- ACCESS CONTROL
- RECORD DATA
- ENGLISH EQUIVALENT
- EXISTING TREE/DIAMETER (INCHES)

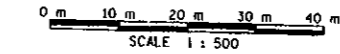
NOTE:
 BEARINGS AND GRID DISTANCES
 BASED ON STATE PLANE
 COORDINATES NAD 83, EAST ZONE.
 GRID FACTOR = 1.00001605
 1 METER = 3.28083333 FEET.



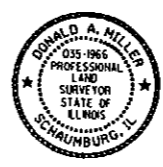
PR. CURVE #16 PI STA = 10+229.362 $\Delta = 34^\circ 02' 16''$ (RT) R = 79.248 m T = 24.257 m L = 47.079 m E = 3.629 m e = N.C. T.R. = N.A. S.E. RUN = N.A. P.C. STA = 10+200.105 P.T. STA = 10+252.184	PR. CURVE #17 PI STA = 10+285.443 $\Delta = 24^\circ 12' 14''$ (LT.) R = 79.248 m T = 16.992 m L = 33.477 m E = 1.801 m e = N.C. T.R. = N.A. S.E. RUN = N.A. P.C. STA = 10+268.451 P.T. STA = 10+301.928	PR. CURVE #18 PI STA = 10+367.368 $\Delta = 26^\circ 09' 41''$ (LT.) R = 79.248 m T = 18.413 m L = 36.185 m E = 2.111 m e = N.C. T.R. = N.A. S.E. RUN = N.A. P.C. STA = 10+348.955 P.T. STA = 10+385.139	PR. CURVE #19 PI STA = 10+423.629 $\Delta = 33^\circ 33' 22''$ (RT.) R = 79.248 m T = 23.893 m L = 46.413 m E = 3.524 m e = N.C. T.R. = N.A. S.E. RUN = N.A. P.C. STA = 10+399.735 P.T. STA = 10+446.148
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(361) - (403) S 00° 56' 23" E 134.582 m [441.54'] (362) - (368) S 16° 33' 56" E 4.682 m [15.36'] (363) - (373) S 79° 08' 07" E 9.402 m [30.85'] (364) - (374) S 24° 38' 21" E 3.980 m [13.06'] (365) - (368) S 74° 13' 17" W 32.355 m [106.15'] (367) - (409) S 56° 46' 12" E 10.030 m [32.91'] (368) - (370) S 13° 12' 30" E 23.777 m [77.99'] (370) - (377) S 81° 46' 07" W 28.950 m [94.98'] (370) - (386) N 81° 46' 07" E 9.083 m [29.80'] (371) - (397) S 13° 12' 30" E 5.804 m [19.03'] (371) - (372) N 88° 19' 30" E 77.975 m [255.76'] (371) - (380) N 89° 19' 30" E 9.235 m [30.30'] (371) - (397) N 13° 12' 30" W 66.057 m [216.67'] (372) - (410) S 00° 36' 30" E 64.770 m [212.50'] (373) - (378) S 19° 08' 07" E 6.652 m [21.82'] (373) - (396) S 24° 38' 21" E 8.650 m [28.38'] (374) - (376) S 53° 52' 57" W 11.394 m [37.38'] (374) - (377) S 74° 01' 45" E 8.790 m [28.84'] (374) - (378) N 74° 01' 45" W 76.431 m [250.72'] (375) - (376) N 67° 49' 24" E 3.600 m [11.81'] (375) - (396) N 61° 03' 02" E 18.056 m [59.24'] (377) - (408) S 85° 45' 29" E 26.036 m [85.42'] (380) - (398) S 13° 12' 30" E 63.521 m [208.35'] (380) - (399) N 13° 12' 30" W 29.814 m [97.79'] (381) - (388) S 13° 12' 30" E 23.868 m [78.29'] (382) - (383) S 00° 49' 16" E 8.467 m [27.78'] (382) - (388) N 87° 29' 53" F 17.586 m [57.70']	(383) - (384) S 62° 06' 41" W 33.615 m [110.29'] (383) - (388) N 62° 06' 41" E 19.910 m [65.32'] (383) - (389) N 88° 21' 34" E 15.834 m [51.95'] (384) - (400) S 00° 49' 16" E 122.650 m [402.42'] (384) - (385) S 81° 46' 07" W 13.000 m [42.65'] (385) - (386) S 81° 46' 07" W 35.485 m [116.42'] (385) - (387) S 53° 20' 55" W 31.251 m [102.53'] (386) - (398) S 13° 12' 30" E 9.321 m [30.57'] (387) - (398) N 60° 33' 15" W 9.082 m [29.80'] (388) - (389) S 11° 17' 51" W 9.035 m [29.64'] (388) - (390) N 87° 13' 03" E 90.904 m [298.24'] (390) - (391) S 00° 27' 36" E 7.765 m [25.48'] (391) - (392) S 00° 27' 36" E 29.871 m [98.00'] (392) - (393) S 00° 27' 36" E 11.880 m [38.98'] (393) - (394) S 00° 27' 36" E 6.096 m [20.00'] (394) - (395) N 90° 00' 00" E 15.805 m [51.85'] (395) - (406) S 00° 00' 00" W 119.721 m [392.79'] (396) - (409) N 61° 13' 25" W 1.265 m [4.15'] (396) - (410) N 24° 38' 21" W 6.980 m [22.89'] (397) - (407) N 85° 08' 13" E 4.431 m [14.54'] (397) - (408) S 83° 39' 19" W 4.206 m [13.80'] (398) - (401) N 60° 33' 15" W 5.397 m [17.71'] (399) - (400) S 89° 47' 31" W 55.403 m [181.72'] (400) - (401) S 00° 49' 16" E 41.273 m [135.42'] (401) - (402) S 00° 49' 16" E 18.769 m [61.58'] (401) - (406) N 88° 52' 57" E 91.170 m [299.11'] (402) - (405) S 89° 40' 00" W 207.921 m [682.15'] (403) - (404) S 00° 53' 34" E 15.248 m [50.03'] (404) - (405) S 00° 51' 18" E 6.788 m [22.27']
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SURVEYOR'S STATEMENT



I, DONALD A. MILLER, HEREBY STATE THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS THAT THE SURVEY OF PROPOSED FAP ROUTE 704 WAS MADE BY ME OR UNDER MY DIRECT SUPERVISION THAT THE LAND CORNER TIES AS SHOWN HEREON, ARE A TRUE AND CORRECT REPRESENTATION OF SAID SURVEY AND THAT THE PLAN HEREON IS IN ACCORDANCE WITH APPLICABLE SECTIONS OF THE LAND ACQUISITION POLICIES AND PROCEDURES TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
 DATED MAY 10, 2007
 BY: *Donald A. Miller*
 DONALD A. MILLER PROFESSIONAL LAND SURVEYOR NO. 035-1966
 LICENSE EXPIRES DATE 11-30-08

**ILLINOIS DEPT. OF TRANSPORTATION
 RIGHT OF WAY PLANS**

ROUTE FAP 704 (J-55 BL - VETERAN'S PARKWAY)
 SECTION 11 N & 1S-1
 PROJECT _____
 COUNTY McLEAN
 JOB NUMBER R-93-005-98
 STATION 11+600 TO 11+900
 SCALE 1:500 SHEET 3 OF 8

PARCEL NO. 3NP0010
 JOHN E. PLATTNER AND
 TARRY L. PLATTNER
 TOTAL HOLDING = 6205 sq m ± [64786 sq ft ±]
 TOTAL R.O.W. REQUIRED = 1172 sq m ± [12611 sq ft ±]
 REMAINDER = 5033 sq m ± [52175 sq ft ±]
 AREA IN TEMP. EASEMENT #1 = 243 sq m ± [2613 sq ft ±]
 AREA IN TEMP. EASEMENT #2 = 93 sq m ± [1002 sq ft ±]
 PURPOSE: ENTRANCE CONSTRUCTION, GRADING AND SHAPING

PARCEL NO. 3NP0011
 GREGORY G. EKDALE, DVM
 TOTAL HOLDING = 8967 sq m ± [96518 sq ft ±]
 TOTAL R.O.W. REQUIRED = 1652 sq m ± [17786 sq ft ±]
 REMAINDER = 7315 sq m ± [78132 sq ft ±]
 AREA IN TEMP. EASEMENT #1 = 296 sq m ± [3189 sq ft ±]
 AREA IN TEMP. EASEMENT #2 = 93 sq m ± [1002 sq ft ±]
 PURPOSE: ENTRANCE CONSTRUCTION, GRADING AND SHAPING

PARCEL NO. 3NP0009
 MICHAEL B. ZWENG, TRUSTEE OF JOAN ZWENG
 IRREVOCABLE TRUST DATED JUNE 13,
 2005(2/3 INT)
 AND MICHAEL B. ZWENG (1/3 INT)
 TOTAL HOLDING = 41102 sq m ± [442415 sq ft ±]
 TOTAL R.O.W. REQUIRED = 15 sq m ± [159 sq ft ±]
 REMAINDER = 41087 sq m ± [442256 sq ft ±]
 AREA IN TEMP. EASEMENT #1 = 183 sq m ± [1969 sq ft ±]
 AREA IN TEMP. EASEMENT #2 = 183 sq m ± [1969 sq ft ±]
 PURPOSE: ENTRANCE CONSTRUCTION, GRADING AND SHAPING

PARCEL NO. 3NP009A
 MICHAEL B. ZWENG, TRUSTEE OF JOAN ZWENG
 IRREVOCABLE TRUST DATED JUNE 13,
 2005(2/3 INT)
 AND MICHAEL B. ZWENG (1/3 INT)
 TOTAL HOLDING = 873 sq m ± [9402 sq ft ±]
 TOTAL R.O.W. REQUIRED = 216 sq m ± [2329 sq ft ±]
 REMAINDER = 657 sq m ± [7073 sq ft ±]
 AREA IN TEMP. EASEMENT #1 = 63 sq m ± [675 sq ft ±]
 AREA IN TEMP. EASEMENT #2 = 63 sq m ± [675 sq ft ±]
 PURPOSE: GRADING AND SHAPING

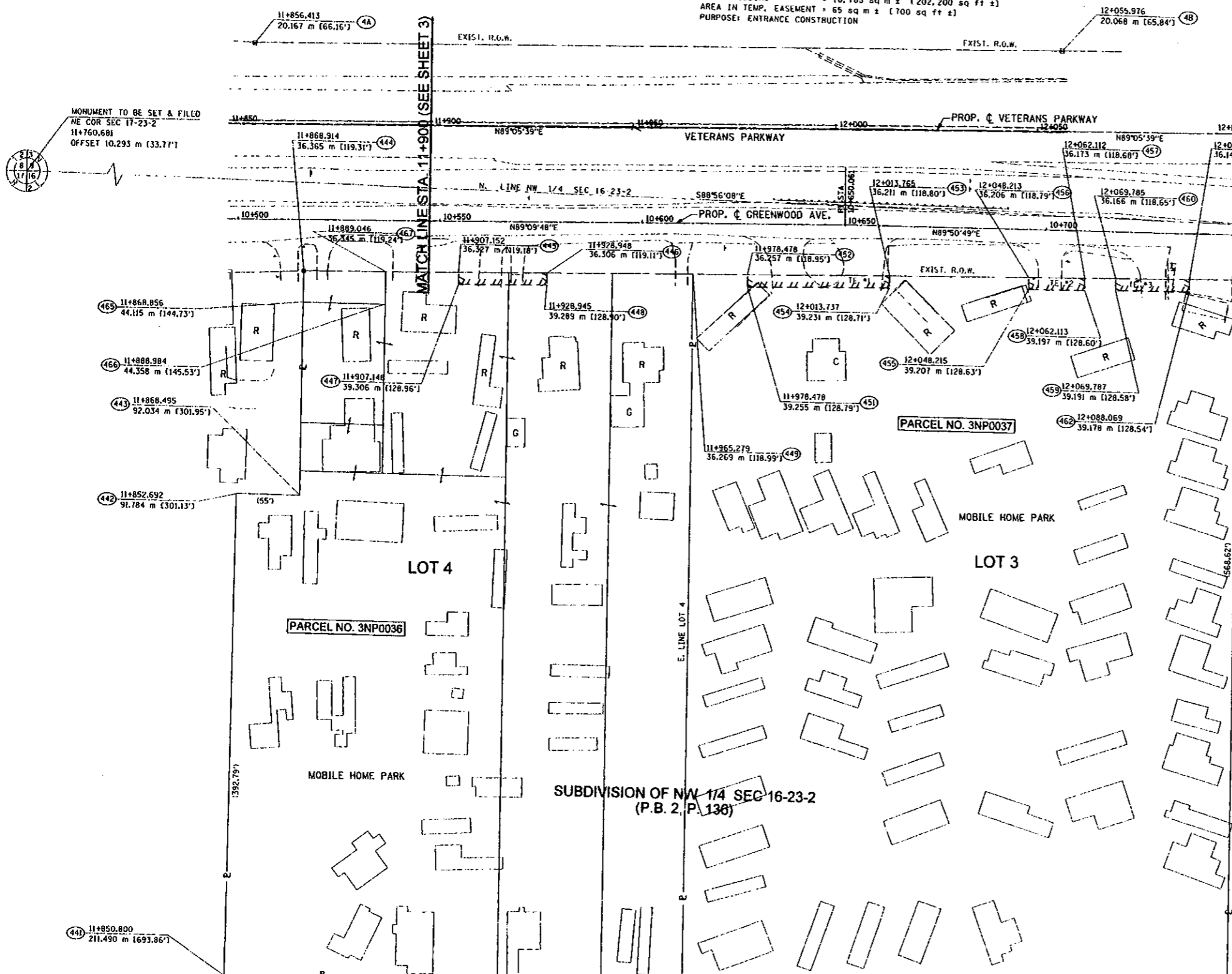
PARCEL NO. 3NP0012
 RONALD JONES, AS EX. AND TRUSTEE
 OF THE LAST WILL AND TESTAMENT OF J. R. MCCARTY
 TOTAL HOLDING = 16774 sq m ± [180553 sq ft ±]
 TOTAL R.O.W. REQUIRED = 75 sq m ± [808 sq ft ±]
 REMAINDER = 16699 sq m ± [179745 sq ft ±]
 AREA IN TEMP. EASEMENT #1 = 70 sq m ± [750 sq ft ±]
 AREA IN TEMP. EASEMENT #2 = 70 sq m ± [750 sq ft ±]
 PURPOSE: ENTRANCE CONSTRUCTION

NW 1/4 SEC. 16
 T. 23 N, R. 2 E,
 3RD P.M.

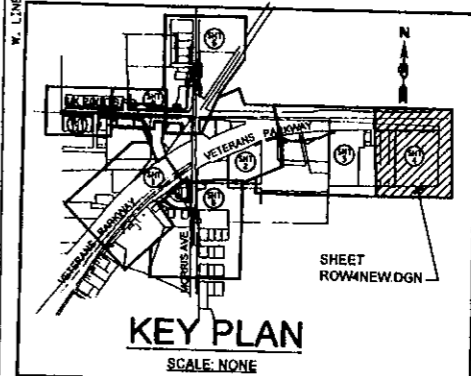
S LINE LOT 2

PARCEL NO. 3NP0036
RONALD JONES, AS EX. AND TRUSTEE
OF THE LAST WILL AND TESTAMENT OF J. R. McCARTY
 TOTAL HOLDING = 18,785 sq m ± (202,200 sq ft ±)
 AREA IN TEMP. EASEMENT = 65 sq m ± (700 sq ft ±)
 PURPOSE: ENTRANCE CONSTRUCTION

PARCEL NO. 3NP0037
RONALD JONES, AS EX. AND TRUSTEE
OF THE LAST WILL AND TESTAMENT OF J. R. McCARTY
 TOTAL HOLDING = 23,468 sq m ± (252,605 sq ft ±)
 AREA IN TEMP. EASEMENT 1 = 106 sq m ± (1141 sq ft ±)
 PURPOSE: ENTRANCE CONSTRUCTION
 AREA IN TEMP. EASEMENT 2 = 42 sq m ± (452 sq ft ±)
 PURPOSE: ENTRANCE CONSTRUCTION
 AREA IN TEMP. EASEMENT 3 = 55 sq m ± (591 sq ft ±)
 PURPOSE: ENTRANCE CONSTRUCTION



(441) - (442) N 00° 00' 00" E 119.721 m (392.79')	(451) - (452) N 00° 51' 47" W 2.998 m (9.84')
(442) - (443) N 88° 37' 53" E 113.257 m (371.58')	(451) - (453) N 89° 03' 15" E 35.259 m (118.96')
(443) - (444) N 90° 00' 00" E 15.805 m (51.85')	(452) - (453) N 89° 02' 13" E 35.286 m (118.05')
(443) - (445) N 00° 28' 30" W 55.670 m (182.64')	(453) - (454) S 00° 22' 55" E 3.020 m (9.88')
(443) - (446) N 00° 28' 30" W 47.921 m (157.22')	(453) - (456) N 89° 02' 13" E 34.449 m (109.74')
(444) - (445) N 89° 02' 13" E 38.238 m (125.45')	(454) - (456) N 00° 56' 09" W 3.000 m (9.84')
(444) - (446) S 00° 28' 30" E 7.749 m (25.42')	(455) - (458) N 89° 03' 16" E 13.899 m (45.60')
(444) - (447) N 89° 02' 13" E 20.132 m (66.05')	(455) - (457) N 89° 02' 13" E 13.898 m (45.60')
(445) - (446) N 89° 02' 13" E 21.796 m (71.51')	(456) - (460) N 00° 57' 47" W 3.023 m (9.92')
(445) - (447) S 00° 57' 47" E 2.978 m (9.77')	(457) - (458) S 00° 57' 47" E 7.673 m (25.17')
(445) - (447) S 89° 02' 13" W 18.106 m (59.40')	(459) - (460) N 00° 57' 47" W 3.026 m (9.93')
(446) - (448) S 00° 57' 47" E 2.984 m (9.79')	(459) - (462) N 89° 03' 12" E 18.281 m (59.98')
(446) - (449) N 89° 02' 13" E 36.331 m (119.20')	(460) - (461) N 89° 02' 13" E 18.301 m (60.04')
(447) - (448) N 89° 02' 13" E 21.796 m (71.51')	(461) - (462) S 00° 35' 31" W 3.032 m (9.95')
(447) - (449) S 00° 30' 11" E 174.305 m (571.86')	(461) - (463) N 89° 02' 13" E 12.189 m (39.99')
(449) - (452) N 89° 02' 13" E 13.199 m (43.30')	(463) - (464) S 00° 30' 46" E 173.320 m (568.63')
(450) - (464) S 88° 37' 52" W 135.036 m (443.03')	(465) - (466) N 89° 47' 09" E 20.132 m (66.05')
	(466) - (467) N 00° 28' 30" W 8.013 m (26.29')



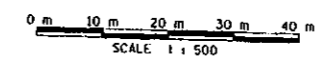
- LEGEND**
- SECTION CORNER
 - FOUND IRON ROD OR PIPE
 - FOUND RIGHT OF WAY MARKER
 - ACCESS CONTROL
 - RECORD DATA
 - ENGLISH EQUIVALENT
 - EXISTING TREE/DIAMETER (INCHES)

NOTE:
 BEARINGS AND GRID DISTANCES
 BASED ON STATE PLANE
 COORDINATES NAD 83, EAST ZONE.
 GRID FACTOR = 1.00001605
 1 METER = 3.28083333 FEET.



SURVEYOR'S STATEMENT
 I, DONALD A. MILLER, HEREBY STATE THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS THAT THE SURVEY OF PROPOSED EAP ROUTE FOR WAS MADE BY ME OR UNDER MY DIRECT SUPERVISION THAT THE LAND CORNER TIES AS SHOWN HEREON, ARE A TRUE AND CORRECT REPRESENTATION OF THE LAND CORNER TIES AS SHOWN HEREON, ARE ACCORDANCE WITH APPLICABLE SECTIONS OF THE LAND ACQUISITION POLICIES AND PROCEDURES IN MANUAL OF THE DEPARTMENT'S DISTRICT POLICIES. THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
 DATED: MAY 10, 2007
 BY: *Donald A. Miller*
 DONALD A. MILLER ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-1966
 LICENSE EXPIRES DATE 11-30-08

ILLINOIS DEPT. OF TRANSPORTATION
RIGHT OF WAY PLANS
 ROUTE: EAP 704 (I-55 BL: VETERAN'S PARKWAY)
 SECTION: (11 N. & TS-1)
 PROJECT:
 COUNTY: McLEAN
 JOB NUMBER: R-93-005-98
 STATION: 11+900 TO 12+103.485
 SCALE: 1:500 SHEET 4 OF 8



NW 1/4 SEC. 16 T. 23 N, R. 2 E, 3RD P.M.

PARCEL NO. 3NP0005
SYNERGY II, L.L.C.

TOTAL HOLDING = 7964 sq m ± (85729 sq ft ±)
TOTAL R.O.W. REQUIRED = 30 sq m ± (324 sq ft ±)
REMAINDER = 7934 sq m ± (85405 sq ft ±)
AREA IN TEMP. EASEMENT = 731 sq m ± (7872 sq ft ±)
PURPOSE: GRADING AND SHAPING

PARCEL NO. 3NP0007
C. STEVE PAMPEL

TOTAL HOLDING = 1760 sq m ± (18946 sq ft ±)
TOTAL R.O.W. REQUIRED = 1760 sq m ± (18946 sq ft ±)
REMAINDER = 0000 sq m ± (0000 sq ft ±)

PARCEL NO. 3NP0006
C. STEVE PAMPEL

TOTAL HOLDING = 3723 sq m ± (40070 sq ft ±)
TOTAL R.O.W. REQUIRED = 485 sq m ± (5217 sq ft ±)
REMAINDER = 3238 sq m ± (34853 sq ft ±)
AREA IN TEMP. EASEMENT = 1621 sq m ± (17450 sq ft ±)
PURPOSE: ENTRANCE CONSTRUCTION, GRADING AND SHAPING

PT LOT 9 SUB NE 1/4 17-23-2
(DEED BK 37, P. 93)

PT. LOT 59

PARCEL NO. 3NP0005
SYNERGY II, L.L.C.

FIRST ADDITION TO MEADOWS SUBDIVISION
(DOC. NO. 86-1366)

LOT 59

PROP. CURVE #13
PI STA = 7+066.733
Δ = 87° 41' 07" (RT)
R = 44.000 m
T = 42.258 m
L = 67.338 m
E = 17.006 m
e = 3.0%

PROP. CURVE #14
PI STA = 7+117.011
Δ = 42° 17' 13" (LT)
R = 44.000 m
T = 17.017 m
L = 32.473 m
E = 3.474 m
e = N.C.
T.R. = 7.5 m
S.E. RUN = 15.0 m
P.C. STA = 7+024.475
P.T. STA = 7+091.813

PROP. CURVE #15
PI STA = 7+132.468
Δ = 87° 41' 07" (RT)
R = 44.000 m
T = 42.258 m
L = 67.338 m
E = 17.006 m
e = 3.0%

PROP. CURVE #16
PI STA = 7+132.468
Δ = 87° 41' 07" (RT)
R = 44.000 m
T = 42.258 m
L = 67.338 m
E = 17.006 m
e = 3.0%

PROP. CURVE #17
PI STA = 7+132.468
Δ = 87° 41' 07" (RT)
R = 44.000 m
T = 42.258 m
L = 67.338 m
E = 17.006 m
e = 3.0%

PROP. CURVE #18
PI STA = 7+132.468
Δ = 87° 41' 07" (RT)
R = 44.000 m
T = 42.258 m
L = 67.338 m
E = 17.006 m
e = 3.0%

PROP. CURVE #19
PI STA = 7+132.468
Δ = 87° 41' 07" (RT)
R = 44.000 m
T = 42.258 m
L = 67.338 m
E = 17.006 m
e = 3.0%

PROP. CURVE #20
PI STA = 7+132.468
Δ = 87° 41' 07" (RT)
R = 44.000 m
T = 42.258 m
L = 67.338 m
E = 17.006 m
e = 3.0%

PROP. CURVE #21
PI STA = 7+132.468
Δ = 87° 41' 07" (RT)
R = 44.000 m
T = 42.258 m
L = 67.338 m
E = 17.006 m
e = 3.0%

PROP. CURVE #22
PI STA = 7+132.468
Δ = 87° 41' 07" (RT)
R = 44.000 m
T = 42.258 m
L = 67.338 m
E = 17.006 m
e = 3.0%

PROP. CURVE #23
PI STA = 7+132.468
Δ = 87° 41' 07" (RT)
R = 44.000 m
T = 42.258 m
L = 67.338 m
E = 17.006 m
e = 3.0%

PROP. CURVE #24
PI STA = 7+132.468
Δ = 87° 41' 07" (RT)
R = 44.000 m
T = 42.258 m
L = 67.338 m
E = 17.006 m
e = 3.0%

PROP. CURVE #25
PI STA = 7+132.468
Δ = 87° 41' 07" (RT)
R = 44.000 m
T = 42.258 m
L = 67.338 m
E = 17.006 m
e = 3.0%

PROP. CURVE #26
PI STA = 7+132.468
Δ = 87° 41' 07" (RT)
R = 44.000 m
T = 42.258 m
L = 67.338 m
E = 17.006 m
e = 3.0%

PROP. CURVE #27
PI STA = 7+132.468
Δ = 87° 41' 07" (RT)
R = 44.000 m
T = 42.258 m
L = 67.338 m
E = 17.006 m
e = 3.0%

PROP. CURVE #28
PI STA = 7+132.468
Δ = 87° 41' 07" (RT)
R = 44.000 m
T = 42.258 m
L = 67.338 m
E = 17.006 m
e = 3.0%

PROP. CURVE #29
PI STA = 7+132.468
Δ = 87° 41' 07" (RT)
R = 44.000 m
T = 42.258 m
L = 67.338 m
E = 17.006 m
e = 3.0%

PROP. CURVE #30
PI STA = 7+132.468
Δ = 87° 41' 07" (RT)
R = 44.000 m
T = 42.258 m
L = 67.338 m
E = 17.006 m
e = 3.0%

PROP. CURVE #31
PI STA = 7+132.468
Δ = 87° 41' 07" (RT)
R = 44.000 m
T = 42.258 m
L = 67.338 m
E = 17.006 m
e = 3.0%

PROP. CURVE #32
PI STA = 7+132.468
Δ = 87° 41' 07" (RT)
R = 44.000 m
T = 42.258 m
L = 67.338 m
E = 17.006 m
e = 3.0%

PROP. CURVE #33
PI STA = 7+132.468
Δ = 87° 41' 07" (RT)
R = 44.000 m
T = 42.258 m
L = 67.338 m
E = 17.006 m
e = 3.0%

STELLA M. WESTFALL, SANDRA WESTFALL AND PENNY WESTFALL

TOTAL HOLDING = 18883 sq m ± (203259 sq ft ±)
TOTAL R.O.W. REQUIRED = 000 sq m ± (000 sq ft ±)
REMAINDER = 18883 sq m ± (203259 sq ft ±)
AREA IN TEMP. EASEMENT = 456 sq m ± (4903 sq ft ±)
PURPOSE: ENTRANCE CONSTRUCTION AND GRADING AND SHAPING

NE 1/4 SEC. 17 T. 23 N, R. 2 E, 3RD P.M.

Table of bearings and distances for various points and curves, including bearings like N 56° 03' 19" E and distances like 20.144 m.



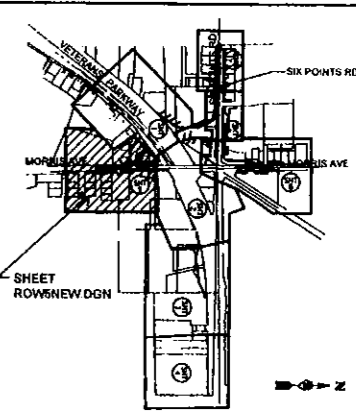
LEGEND

- SECTION CORNER
FOUND IRON ROD OR PIPE
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RECORD DATA
ENGLISH EQUIVALENT
EXISTING TREE / DIAMETER (INCHES)

NOTE: BEARINGS AND GRID DISTANCES BASED ON STATE PLANE COORDINATES NAD 83, EAST ZONE. GRID FACTOR = 1.00001605. 1 METER = 3.28083333 FEET.

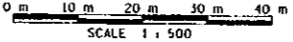
SURVEYOR'S STATEMENT

I, DONALD A. MILLER, HEREBY STATE THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS... DATED MAY 10, 2007



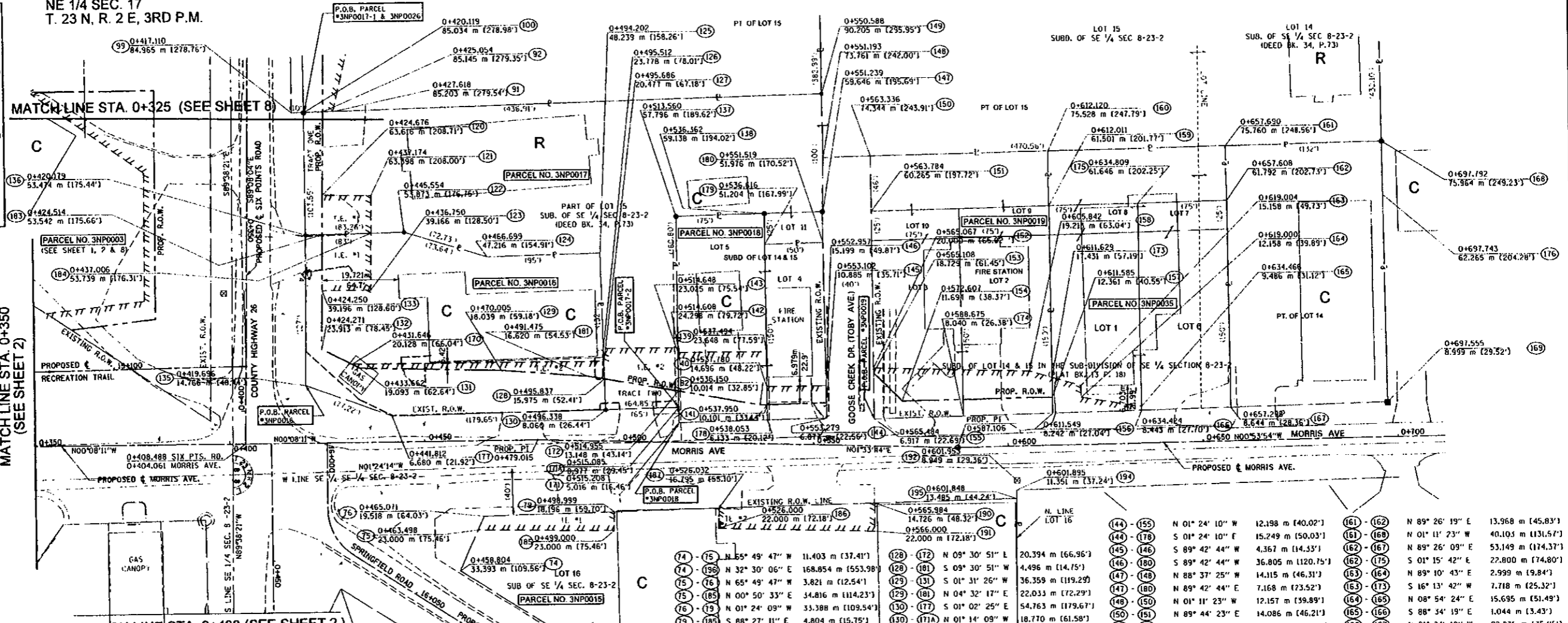
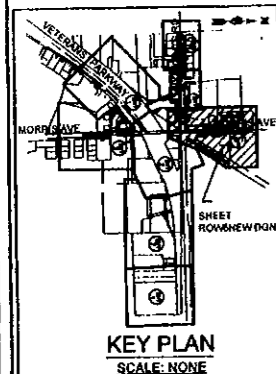
REVISION table with columns for DATE and DESCRIPTION.

ILLINOIS DEPT. OF TRANSPORTATION RIGHT OF WAY PLANS. ROUTE FAP T04 (I-55 BL- VETERAN'S PARKWAY) SECTION (1) N & JS-1. PROJECT COUNTY McLEAN. JOB NUMBER R-93-005-98. STATION 0+000 TO 0+200. SCALE 1:500 SHEET 5 OF 8.



SE 1/4 SEC. 8 T. 23 N, R. 2 E, 3RD P.M.

NE 1/4 SEC. 17 T. 23 N, R. 2 E, 3RD P.M.



PARCEL NO. 3NP0015
GENE L. CUNNINGHAM AND
GEORGIANA T. CUNNINGHAM
 TOTAL HOLDING = 8661 sq m ± [93228 sq ft ±]
 AREA IN TEMP. EASEMENT 1 = 141 sq m ± [1520 sq ft ±]
 PURPOSE: ENTRANCE CONSTRUCTION
 AREA IN TEMP. EASEMENT 2 = 249 sq m ± [2685 sq ft ±]
 PURPOSE: ENTRANCE CONSTRUCTION

PARCEL NO. 3NP0018
BLOOMINGTON TOWNSHIP
 TOTAL HOLDING = 1892 sq m ± [20361 sq ft ±]
 TOTAL R.O.W. REQUIRED = 196 sq m ± [2105 sq ft ±]
 REMAINDER = 1696 sq m ± [18256 sq ft ±]
 AREA IN TEMP. EASEMENT = 339 sq m ± [3650 sq ft ±]
 PURPOSE: ENTRANCE CONSTRUCTION, GRADING AND SHAPING

PARCEL NO. 3NP0016
BYRON S. TUCCI, TRUSTEE
BYRON S. TUCCI DECLARATION OF TRUST
 TOTAL HOLDING = 3229 sq m ± [34759 sq ft ±]
 TOTAL R.O.W. REQUIRED = 941 sq m ± [10129 sq ft ±]
 REMAINDER = 2288 sq m ± [24630 sq ft ±]
 AREA IN TEMP. EASEMENT 1 = 181 sq m ± [1949 sq ft ±]
 PURPOSE: ENTRANCE CONSTRUCTION
 AREA IN TEMP. EASEMENT 2 = 138 sq m ± [1488 sq ft ±]
 PURPOSE: GRADING AND SHAPING

PARCEL NO. 3NP0019
CITY OF BLOOMINGTON
A MUNICIPAL CORPORATION
 TOTAL HOLDING = 3077 sq m ± [33,116 sq ft ±]
 TOTAL R.O.W. REQUIRED = 223 sq m ± [2398 sq ft ±]
 REMAINDER = 2854 sq m ± [30,718 sq ft ±]
 AREA IN TEMP. EASEMENT = 317 sq m ± [3414 sq ft ±]
 PURPOSE: ENTRANCE CONSTRUCTION, GRADING AND SHAPING

PARCEL NO. 3NP0017
NEWPORT APARTMENT PROPERTIES, L.L.C.
 TOTAL HOLDING = 24483 sq m ± [263532 sq ft ±]
 R.O.W. REQUIRED TRACT 1 = 146 sq m ± [1573 sq ft ±]
 R.O.W. REQUIRED TRACT 2 = 114 sq m ± [1228 sq ft ±]
 REMAINDER = 24223 sq m ± [260731 sq ft ±]
 AREA IN TEMP. EASEMENT 1 = 123 sq m ± [1328 sq ft ±]
 AREA IN TEMP. EASEMENT 2 = 180 sq m ± [1938 sq ft ±]
 PURPOSE: ENTRANCE CONSTRUCTION, GRADING AND SHAPING

PARCEL NO. 3NP0035
BYRON S. TUCCI, TRUSTEE
BYRON S. TUCCI DECLARATION OF TRUST
 TOTAL HOLDING = 3068 sq m ± [33026 sq ft ±]
 TOTAL R.O.W. REQUIRED = 0000 sq m ± [0000 sq ft ±]
 REMAINDER = 3068 sq m ± [33026 sq ft ±]
 AREA IN TEMP. EASEMENT = 97 sq m ± [1044 sq ft ±]
 PURPOSE: ENTRANCE CONSTRUCTION, GRADING AND SHAPING

LEGEND

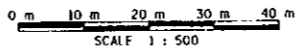
- SECTION CORNER
- FOUND IRON ROD OR PIPE
- FOUND RIGHT OF WAY MARKER
- ACCESS CONTROL
- RECORD DATA
- ENGLISH EQUIVALENT
- EXISTING TREE/ DIAMETER (INCHES)

NOTE:
 BEARINGS AND GRID DISTANCES
 BASED ON STATE PLANE
 COORDINATES NAD 83, EAST ZONE.
 GRID FACTOR = 1.00001605
 1 METER = 3.28083333 FEET.

SURVEYOR'S STATEMENT

I, DONALD A. MILLER, HEREBY STATE THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS; THAT THE SURVEY OF PROPOSED F&P ROUTE 704 WAS MADE BY ME OR UNDER MY DIRECT SUPERVISION; THAT THE LAND CORNER TIES AS SHOWN HEREON, ARE A TRUE AND CORRECT REPRESENTATION OF SAID SURVEY; AND THAT THE PLAT HEREON IS IN ACCORDANCE WITH APPLICABLE SECTIONS OF THE LAND ACQUISITION POLICIES AND PROCEDURES MANUAL OF THE DEPARTMENT'S DISTRICT POLICIES. THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
 DATED MAY 10, 2007
 BY: Donald A. Miller
 DONALD A. MILLER ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-1966
 LICENSE EXPIRES DATE 11-30-08

(14)	(15)	N 55° 49' 47" W	11.403 m (37.41')	(128)	(129)	N 09° 30' 51" L	20.394 m (66.96')	(144)	(145)	N 01° 24' 10" W	12.198 m (40.02')	(161)	(162)	N 89° 26' 19" E	13.968 m (45.83')
(14)	(196)	N 32° 30' 06" E	168.854 m (553.98')	(128)	(181)	S 09° 30' 51" W	4.496 m (14.75')	(144)	(178)	S 01° 24' 10" E	15.249 m (50.03')	(161)	(168)	N 01° 11' 23" W	40.103 m (131.57')
(15)	(16)	N 65° 49' 47" W	3.821 m (12.54')	(129)	(131)	S 01° 31' 26" W	36.358 m (119.29')	(145)	(146)	S 89° 42' 44" W	4.367 m (14.33')	(162)	(167)	N 89° 26' 09" E	53.149 m (174.37')
(15)	(185)	N 00° 50' 33" E	34.816 m (114.23')	(129)	(181)	N 04° 32' 17" E	22.033 m (72.29')	(147)	(148)	N 88° 37' 25" W	14.115 m (46.31')	(163)	(164)	S 01° 15' 42" E	22.800 m (74.80')
(16)	(19)	N 01° 24' 09" W	33.388 m (109.54')	(130)	(171)	S 01° 02' 25" E	54.763 m (179.67')	(147)	(180)	N 89° 42' 44" E	7.168 m (23.52')	(163)	(173)	S 16° 13' 42" W	7.718 m (25.32')
(17)	(18)	S 88° 27' 11" E	4.804 m (15.75')	(130)	(171A)	N 01° 14' 09" W	18.770 m (61.58')	(148)	(150)	N 01° 11' 23" W	12.157 m (39.89')	(164)	(165)	N 08° 54' 24" E	15.695 m (51.49')
(17)	(187)	N 01° 24' 09" W	27.070 m (88.81')	(131)	(170)	S 27° 02' 10" W	2.266 m (7.43')	(150)	(151)	N 89° 44' 23" E	14.086 m (46.21')	(165)	(166)	S 88° 34' 19" E	1.044 m (3.43')
(19)	(92)	S 01° 25' 54" E	2.565 m (8.42')	(132)	(133)	N 89° 24' 14" W	15.139 m (49.67')	(150)	(160)	N 01° 11' 23" W	45.571 m (149.51')	(166)	(167)	N 01° 24' 10" W	22.875 m (75.05')
(19)	(149)	N 01° 25' 54" W	125.643 m (412.21')	(132)	(170)	N 27° 02' 10" E	8.290 m (27.20')	(151)	(159)	N 01° 15' 44" W	45.619 m (149.67')	(168)	(176)	N 89° 18' 20" E	13.639 m (44.94')
(92)	(100)	S 01° 25' 54" E	4.936 m (16.19')	(133)	(183)	N 89° 24' 14" W	14.347 m (47.07')	(152)	(153)	N 89° 44' 17" E	1.271 m (4.17')	(169)	(176)	S 89° 18' 11" W	53.267 m (174.76')
(92)	(128)	S 89° 24' 14" E	21.533 m (70.65')	(135)	(136)	N 89° 25' 18" W	38.710 m (127.00')	(152)	(158)	N 01° 33' 46" E	39.933 m (131.01')	(171)	(171A)	S 89° 46' 46" W	4.218 m (13.84')
(99)	(100)	N 01° 25' 54" W	3.010 m (9.88')	(135)	(177)	N 19° 56' 56" E	23.537 m (77.22')	(152)	(158)	N 01° 33' 46" E	10.283 m (33.74')	(171)	(171A)	S 89° 46' 46" W	4.218 m (13.84')
(100)	(136)	S 89° 45' 12" E	31.562 m (103.55')	(136)	(183)	N 01° 02' 24" W	4.335 m (14.22')	(153)	(154)	N 44° 43' 55" E	10.283 m (33.74')	(171)	(171A)	S 89° 46' 46" W	4.218 m (13.84')
(120)	(121)	N 00° 51' 59" E	12.499 m (41.01')	(137)	(138)	N 01° 21' 28" W	22.831 m (74.91')	(153)	(155)	N 89° 44' 17" E	11.818 m (38.77')	(172)	(182)	N 09° 30' 51" E	21.411 m (70.25')
(120)	(183)	S 89° 24' 14" E	10.076 m (33.06')	(137)	(142)	N 89° 46' 46" E	33.694 m (110.54')	(154)	(157)	N 00° 58' 49" W	38.463 m (126.19')	(172)	(182)	N 01° 24' 09" W	14.923 m (48.96')
(121)	(123)	S 89° 08' 05" E	24.235 m (79.51')	(138)	(139)	N 89° 44' 08" E	35.508 m (116.50')	(155)	(174)	N 01° 24' 10" W	22.875 m (75.05')	(173)	(183)	N 01° 02' 24" W	12.494 m (40.99')
(121)	(184)	S 89° 08' 05" E	12.052 m (39.54')	(138)	(179)	N 89° 44' 08" E	7.938 m (26.04')	(156)	(157)	S 89° 35' 15" W	4.119 m (13.51')	(173)	(184)	N 01° 02' 24" W	12.494 m (40.99')
(122)	(124)	N 17° 20' 22" E	22.168 m (72.73')	(139)	(140)	N 89° 44' 08" E	8.956 m (29.38')	(156)	(174)	N 01° 24' 10" W	22.875 m (75.05')	(174)	(187)	N 88° 05' 07" W	5.205 m (17.08')
(122)	(136)	S 00° 05' 02" W	25.405 m (83.35')	(139)	(143)	S 00° 00' 00" E	22.855 m (74.98')	(157)	(157)	S 89° 35' 15" W	5.070 m (16.63')	(174)	(187)	N 01° 33' 44" E	40.000 m (131.23')
(122)	(184)	S 01° 02' 24" E	8.549 m (28.05')	(139)	(179)	S 89° 44' 08" W	27.888 m (91.50')	(157)	(173)	N 16° 13' 42" E	6.055 m (19.87')	(175)	(189)	S 88° 33' 42" E	7.275 m (23.87')
(123)	(133)	S 00° 00' 00" E	12.500 m (41.01')	(140)	(141)	N 89° 44' 08" E	4.598 m (15.09')	(158)	(160)	N 89° 32' 48" W	14.027 m (46.02')	(175)	(195)	N 01° 24' 09" W	36.477 m (119.67')
(123)	(184)	N 89° 08' 05" W	14.575 m (47.82')	(140)	(146)	N 00° 20' 09" W	15.186 m (49.82')	(159)	(173)	N 89° 35' 15" E	44.072 m (144.59')	(175)	(195)	N 89° 36' 52" E	2.135 m (7.00')
(124)	(125)	N 01° 13' 33" E	28.956 m (95.00')	(141)	(145)	N 01° 23' 49" W	15.178 m (49.80')	(159)	(175)	N 01° 15' 51" E	22.799 m (74.80')	(175)	(195)	N 89° 36' 52" E	107.973 m (354.24')
(125)	(126)	N 88° 33' 15" E	24.495 m (80.36')	(141)	(178)	N 89° 44' 08" E	4.605 m (15.11')	(160)	(161)	N 01° 11' 23" W	45.571 m (149.51')				
(125)	(127)	N 88° 33' 15" E	3.305 m (10.84')	(142)	(143)	S 01° 23' 49" W	1.802 m (5.91')								
(126)	(142)	N 03° 36' 10" E	20.274 m (66.52')	(142)	(143)	N 89° 46' 46" E	1.274 m (4.18')								
(127)	(128)	N 88° 33' 15" E	4.521 m (14.83')	(143)	(172)	N 89° 46' 46" E	9.837 m (32.27')								
(127)	(170)	S 00° 00' 00" W	64.639 m (212.07')	(144)	(145)	S 89° 42' 44" W	3.961 m (13.00')								
(128)	(130)	N 88° 33' 15" E	7.310 m (24.02')												



REVISION		ILLINOIS DEPT. OF TRANSPORTATION RIGHT OF WAY PLANS
DATE	DESCRIPTION	
		ROUTE F&P 704 (I-55 BL- VETERAN'S PARKWAY)
		SECTION (1) N & TS-1
		PROJECT
		COUNTY McLEAN
		JOB NUMBER R-93-005-98
		STATION 0+350.10 0+700
		SCALE 1:500 SHEET 6 OF 8

PARCEL NO. 3NP0024
(SEE DATA ON SHEET 1)

PARCEL NO. 3NP0025
ANDRE TAYLOR AND ELIZABETH A. SCHNEIDER
TOTAL HOLDING = 1226 sq m ± (13197 sq ft ±)
TOTAL R.O.W. REQUIRED = 89 sq m ± (958 sq ft ±)
REMAINDER = 1137 sq m ± (12239 sq ft ±)
AREA IN TEMP. EASEMENT = 231 sq m ± (2486 sq ft ±)
PURPOSE: ENTRANCE CONSTRUCTION, GRADING AND SHAPING

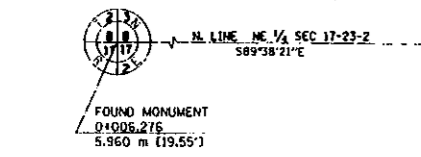
PARCEL NO. 3NP0026
KENNETH H. BUSH
TOTAL HOLDING = 14982 sq m ± (161266 sq ft ±)
TOTAL R.O.W. REQUIRED = 981 sq m ± (10564 sq ft ±)
REMAINDER = 14001 sq m ± (150702 sq ft ±)
AREA IN TEMP. EASEMENT = 1044 sq m ± (11232 sq ft ±)
PURPOSE: GRADING AND SHAPING

PARCEL NO. 3NP0027
ROSE MARIE SZAREK
TOTAL HOLDING = 339 sq m ± (3650 sq ft ±)
TOTAL R.O.W. REQUIRED = 339 sq m ± (3650 sq ft ±)
REMAINDER = 0000 sq m ± (0000 sq ft ±)

BENSON'S OAK GROVE SUBDIVISION
(PLAT BK. 13, P. 200)

LOT 15
SUB OF SE 1/4 SEC 8-23-2
(DEED BOOK 34, P. 73)

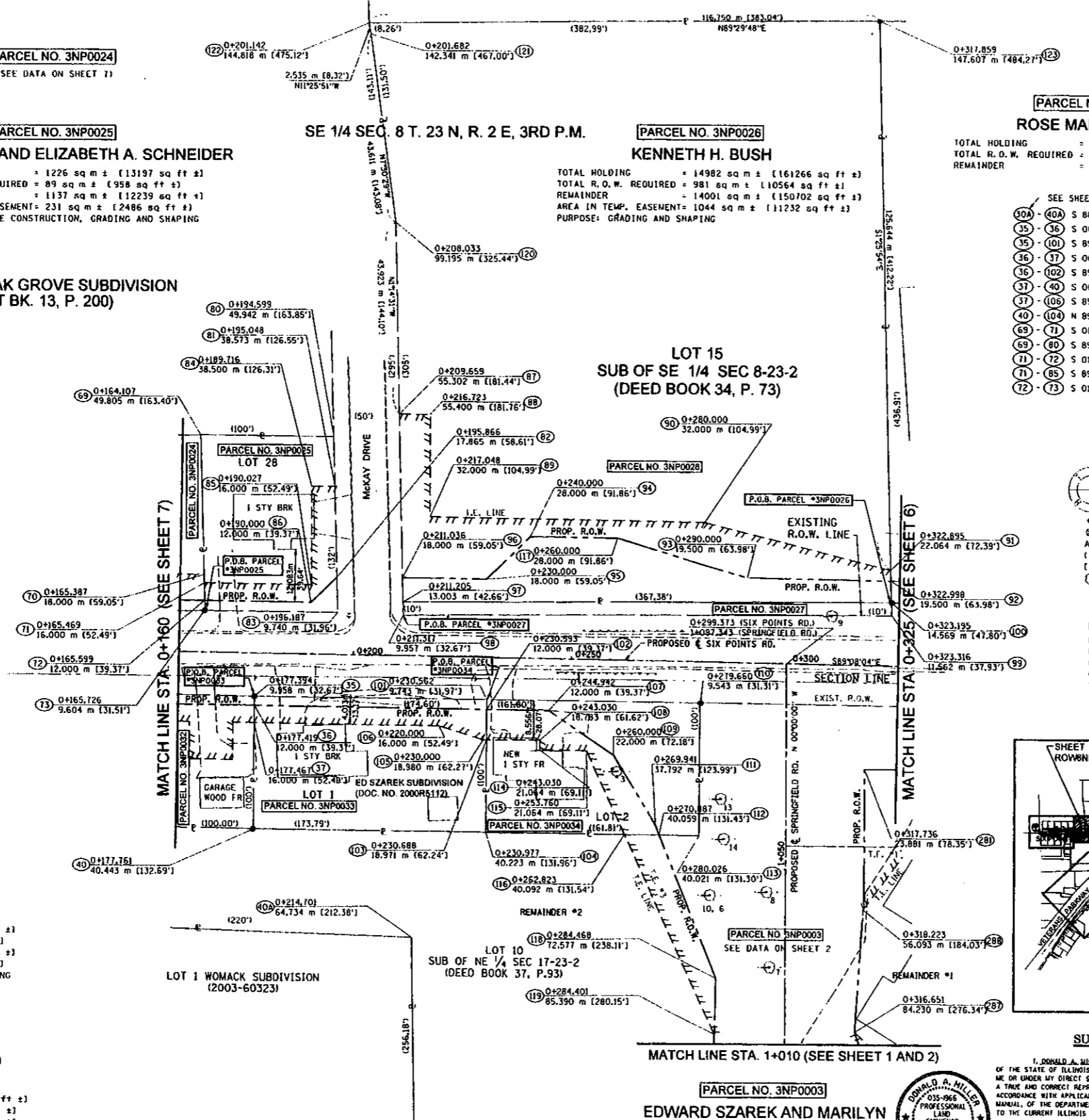
"MONUMENT RECORD" 91 14123
LAND SURVEY MONUMENT SITUATED IN SECTION 8, TOWNSHIP 23 NORTH, RANGE 2 EAST, OF THE THIRD PRINCIPAL MERIDIAN, BOKEAN COUNTY, ILLINOIS.
MONUMENT DESCRIPTION AND REMARKS: SET 1/2" IRON PIPE W/CHD. CAP FROM TIES ON PLAT OF SZAREK SUB. CORRECTS NOW RECORD PREVIOUSLY RECORDED ERRONEOUS SETTING FOR NAIL IN ROAD AS CORNER.
RECOVERY TIE DRAWING
FO PIPE NORTH 42.0° LONGER AND
SIX POINTS RD.
MAIL IN CIVIL TAG IN P. POLE 53'0" 20.85'
MAIL IN CIVIL TAG IN P. POLE 53'0" 20.85'
STATE OF ILLINOIS
COUNTY OF BOKEAN
SPACE RESERVED FOR RECORDING OFFICER
INDEX CODE E-4
FILED
MAY 10 2007
AT ST. LOUIS, MO.



PARCEL NO. 3NP0032
(SEE DATA ON SHEET 1)

PARCEL NO. 3NP0033
EDWARD STANLEY SZAREK AND MARILYN JOAN SZAREK
TOTAL HOLDING = 1618 sq m ± (17413 sq ft ±)
TOTAL R.O.W. REQUIRED = 114 sq m ± (1230 sq ft ±)
REMAINDER = 1504 sq m ± (16183 sq ft ±)
AREA IN TEMP. EASEMENT = 229 sq m ± (2468 sq ft ±)
PURPOSE: ENTRANCE CONSTRUCTION, GRADING AND SHAPING

PARCEL NO. 3NP0034
EDWARD STANLEY SZAREK AND MARILYN JOAN SZAREK
TOTAL HOLDING = 1500 sq m ± (16144 sq ft ±)
TOTAL R.O.W. REQUIRED = 646 sq m ± (6953 sq ft ±)
REMAINDER = 854 sq m ± (9191 sq ft ±)
AREA IN TEMP. EASEMENT = 299 sq m ± (3217 sq ft ±)
PURPOSE: ENTRANCE CONSTRUCTION, GRADING AND SHAPING



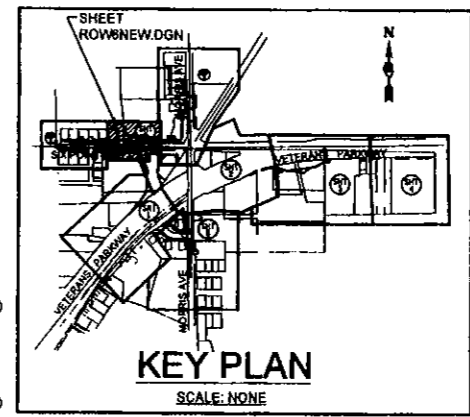
SEE SHEET #7

35	36	S 88° 01' 01" E	67.056 m [220.00']
35	101	S 00° 10' 37" W	2.042 m [6.70']
35	101	S 89° 22' 02" E	53.270 m [174.73']
36	37	S 00° 10' 37" W	4.000 m [13.12']
36	102	S 89° 08' 04" E	53.170 m [174.44']
37	40	S 00° 10' 37" W	24.435 m [80.17']
37	106	S 89° 08' 04" E	42.533 m [139.54']
40	104	N 89° 22' 15" E	53.217 m [174.60']
68	71	S 01° 26' 25" E	33.829 m [110.99']
69	80	S 89° 23' 34" E	30.492 m [100.04']
71	72	S 01° 26' 25" E	4.000 m [13.12']
71	85	S 89° 08' 04" E	24.559 m [80.57']
72	73	S 01° 26' 25" E	2.397 m [7.86']

LEGEND

- SECTION CORNER
- FOUND IRON ROD OR PIPE
- FOUND RIGHT OF WAY MARKER
- AC FOUND CONTROL
- RECORD DATA
- ENGLISH EQUIVALENT
- EXISTING TREE / DIAMETER (INCHES)

NOTE:
BEARINGS AND GRID DISTANCES
BASED ON STATE PLANE
COORDINATES NAD 83, EAST ZONE.
GRID FACTOR = 1.00001602
1 METER = 3.28083333 FEET.



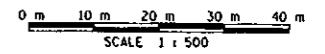
SURVEYOR'S STATEMENT

I, DONALD A. MILLER, HEREBY STATE THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS THAT THE SURVEY OF PROPOSED FAP ROUTE 104 WAS MADE BY ME OR UNDER MY DIRECT SUPERVISION THAT THE LAND CORNER TIES AS SHOWN HEREON ARE A TRUE AND CORRECT REPRESENTATION OF SAID SURVEY; AND THAT THE PLAT HEREON IS IN ACCORDANCE WITH APPLICABLE SECTIONS OF THE LAND ACQUISITION POLICIES AND PROCEDURES MANUAL OF THE DEPARTMENT'S DISTRICT POLICIES. THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
DATED MAY 10, 2007
BY DONALD A. MILLER ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-1966
LICENSE EXPIRES DATE 11-30-08



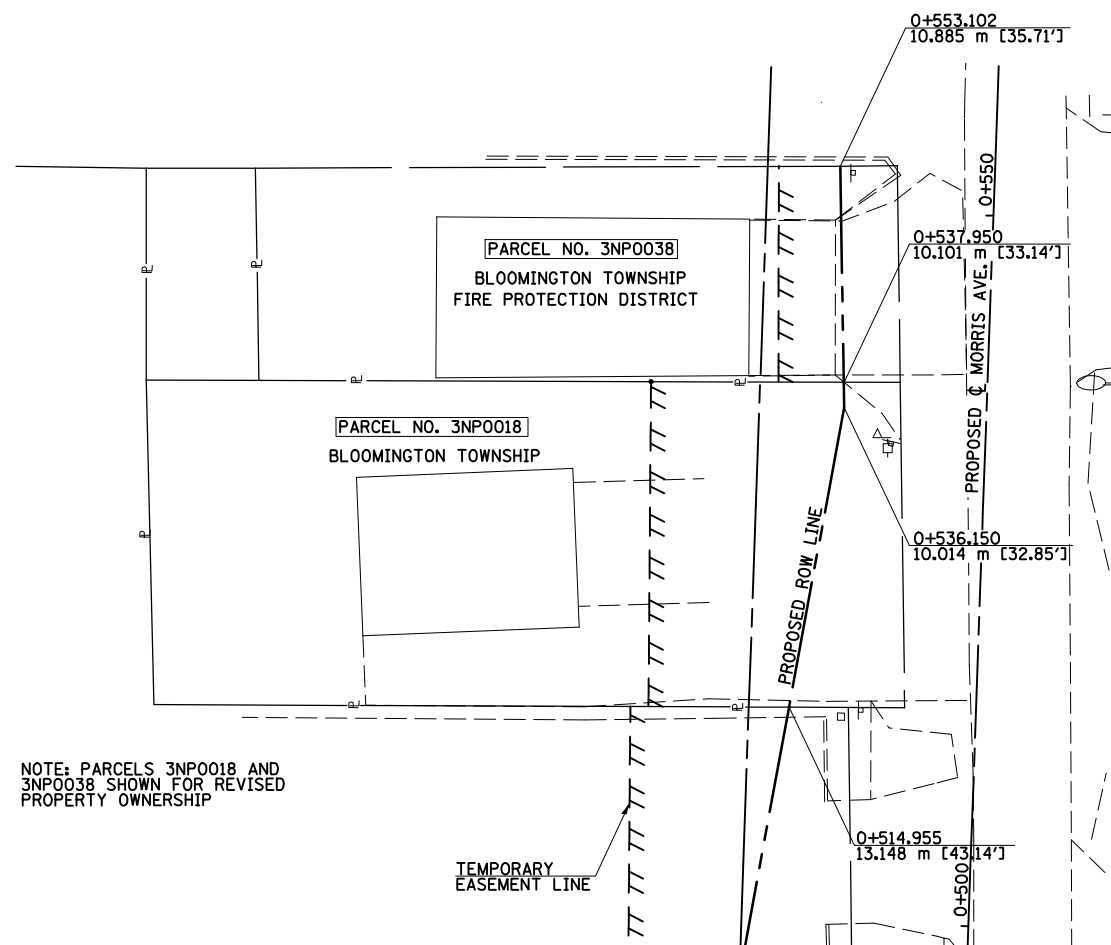
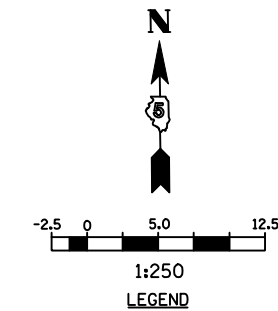
PARCEL NO. 3NP0003
EDWARD SZAREK AND MARILYN SZAREK AND JOSEPH SZAREK
(SEE DATA ON SHEET 2)

72	86	S 89° 08' 04" E	24.401 m [80.06']
73	83	S 89° 23' 27" E	30.462 m [99.94']
80	81	S 01° 23' 49" E	11.379 m [37.33']
81	82	S 01° 23' 49" E	20.724 m [67.99']
81	84	N 89° 55' 29" W	5.333 m [17.50']
82	83	S 01° 23' 49" E	8.132 m [26.68']
82	86	S 45° 51' 52" W	8.295 m [27.21']
84	85	S 00° 04' 17" W	22.500 m [73.82']
87	88	S 89° 55' 37" E	7.065 m [23.18']
87	96	S 01° 14' 31" E	37.328 m [122.47']
87	120	N 01° 14' 31" W	43.923 m [144.10']
88	89	S 00° 04' 15" W	23.402 m [76.78']
89	90	S 89° 08' 04" E	62.952 m [206.54']
90	91	S 76° 05' 33" E	44.031 m [144.46']
91	92	S 01° 25' 54" E	2.565 m [8.42']
91	123	N 01° 25' 54" W	125.644 m [412.22']
92	93	N 89° 08' 04" W	32.998 m [108.26']
92	100	S 01° 25' 54" E	4.936 m [16.19']
93	117	N 73° 18' 56" W	31.181 m [102.30']
94	95	S 45° 51' 55" W	14.142 m [46.40']
94	117	S 89° 08' 04" E	20.000 m [65.62']
95	96	N 89° 08' 04" E	18.964 m [62.22']
96	97	S 01° 14' 31" E	5.620 m [18.44']
97	98	S 01° 14' 31" E	3.046 m [9.99']
97	100	N 89° 44' 50" E	111.978 m [367.38']
98	99	S 89° 44' 53" E	111.999 m [367.45']
99	100	N 01° 25' 54" W	3.010 m [9.88']
101	102	S 00° 32' 50" W	2.258 m [7.41']
101	110	S 89° 22' 02" E	49.085 m [161.04']
102	103	S 00° 32' 50" W	6.971 m [22.87']
102	107	S 89° 08' 04" E	14.349 m [47.08']
103	104	S 00° 32' 50" W	21.255 m [69.73']
103	105	N 89° 55' 00" W	0.688 m [2.26']
103	108	S 89° 59' 56" E	12.274 m [40.27']
104	116	N 89° 22' 15" E	31.908 m [104.69']
105	106	N 72° 32' 21" W	10.435 m [34.24']
107	109	S 55° 32' 46" E	18.077 m [59.31']
108	114	S 00° 51' 14" E	2.281 m [7.48']
109	111	S 31° 19' 28" E	18.660 m [61.22']
110	115	S 00° 10' 37" W	30.480 m [100.00']
110	293	S 89° 22' 02" E	122.910 m [403.25']
111	112	S 21° 47' 34" E	2.457 m [8.06']
112	113	N 89° 22' 15" E	9.070 m [29.76']
112	116	S 89° 22' 15" W	8.071 m [26.48']
112	118	S 21° 48' 06" E	35.240 m [115.62']
114	115	S 89° 08' 25" E	10.729 m [35.20']
115	116	S 24° 36' 13" E	21.077 m [69.15']
115	119	S 24° 36' 17" E	50.117 m [164.62']
118	119	S 01° 09' 45" W	12.816 m [42.05']
119	230	S 01° 09' 45" W	52.945 m [173.70']
120	121	N 07° 30' 29" W	43.611 m [143.08']
121	122	N 11° 25' 51" W	2.535 m [8.32']
122	123	N 89° 29' 48" E	116.750 m [383.04']
288	288	N 00° 00' 00" W	30.060 m [98.62']
287	288	N 03° 46' 30" E	30.332 m [99.51']

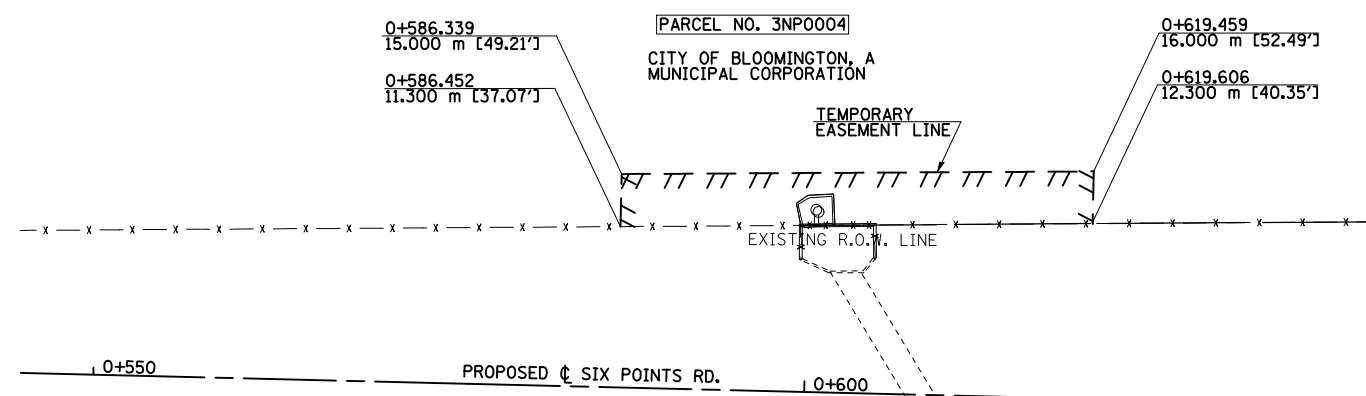


ILLINOIS DEPT. OF TRANSPORTATION
RIGHT OF WAY PLANS
ROUTE FAP 104 (I-55 BL. VETERAN'S PARKWAY)
SECTION (1) N & TS-1
PROJECT
COUNTY McLEAN
JOB NUMBER R-93-005-98
STATION 0+160 TO 0+325
SCALE 1:500 SHEET 8 OF 8

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLEAN	497	211
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 70514				



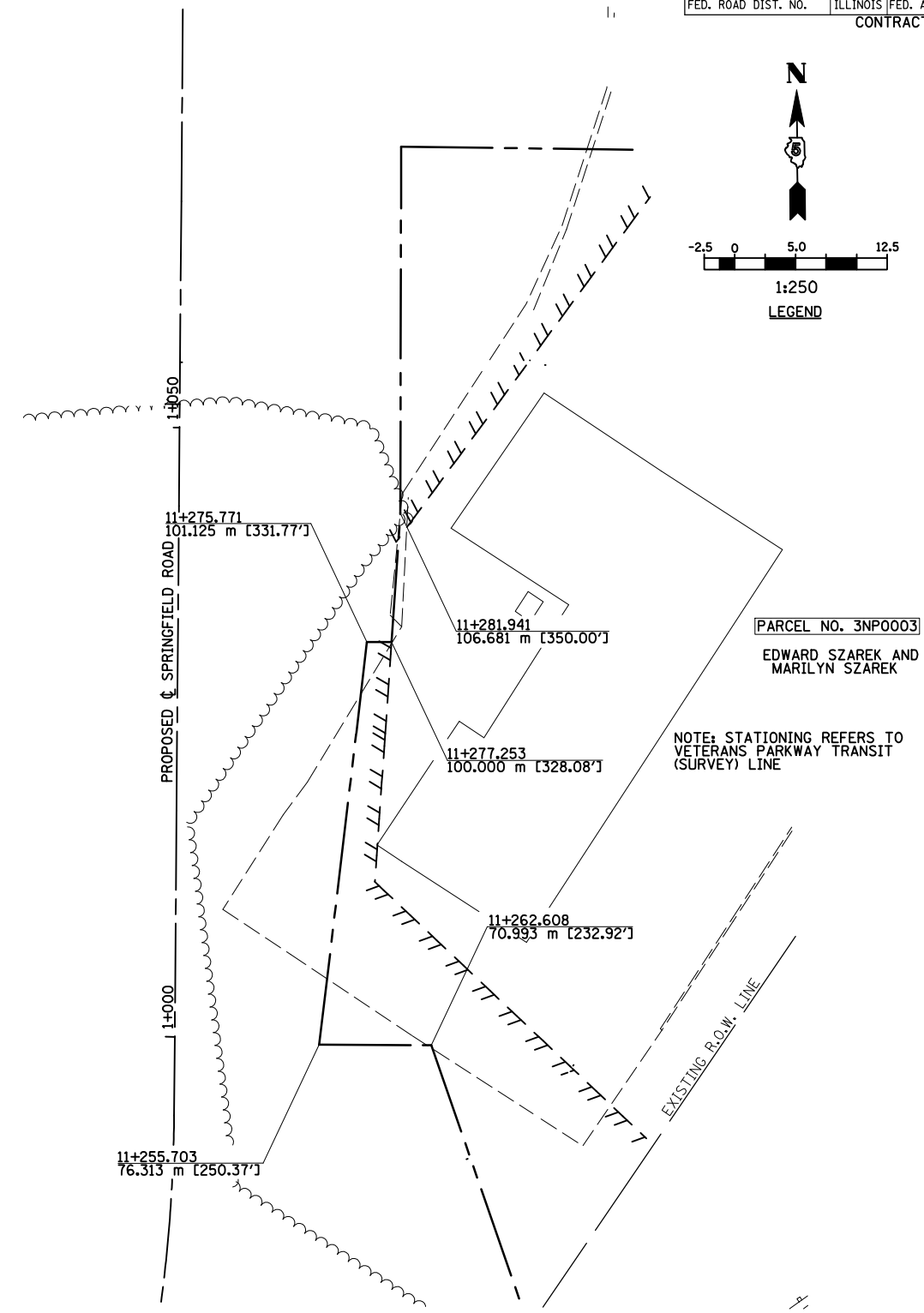
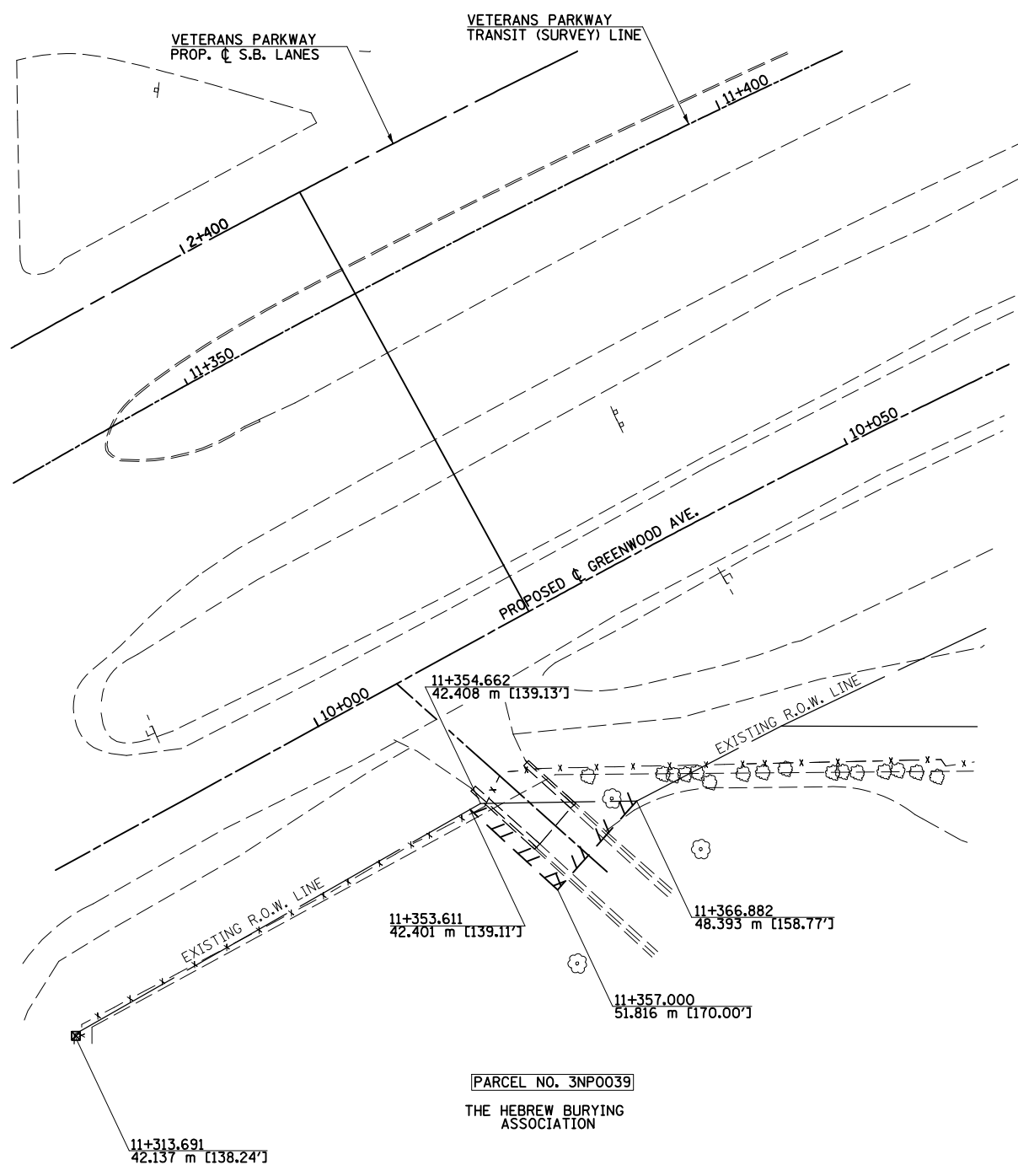
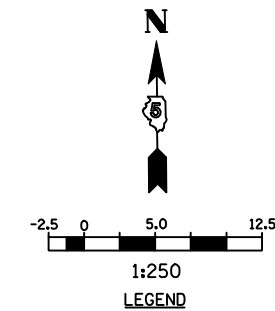
NOTE: PARCELS 3NP0018 AND 3NP0038 SHOWN FOR REVISED PROPERTY OWNERSHIP



REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		RIGHT OF WAY
SHEET 1 OF 4		DRAWN BY PMH
DATE 05-27-09		CHECKED BY GJS

RIGHT OF WAY REVISIONS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLEAN	497	212
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		CONTRACT NO. 70514	



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

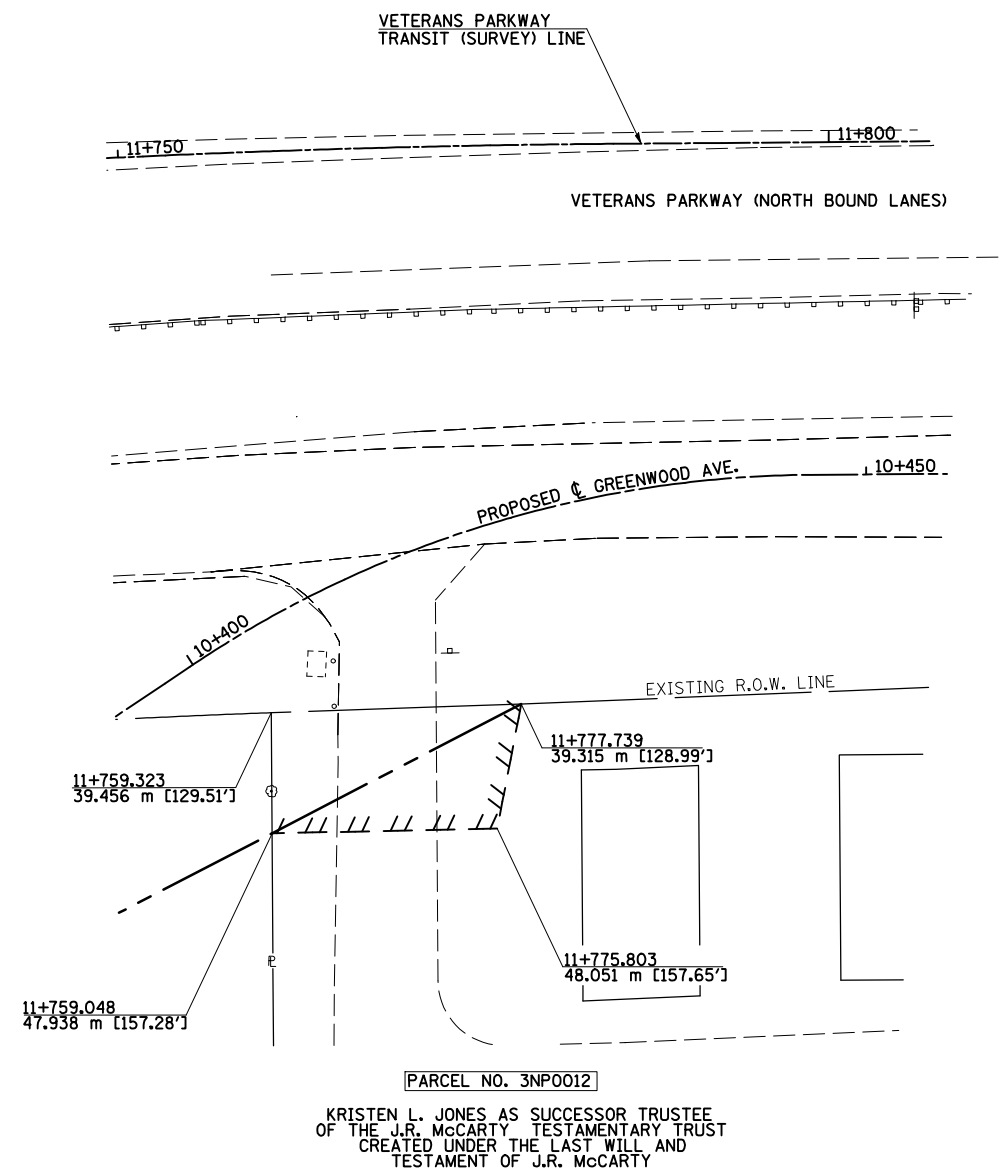
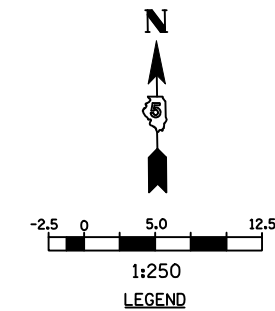
RIGHT OF WAY

SHEET 2 OF 4
DATE 05-27-09

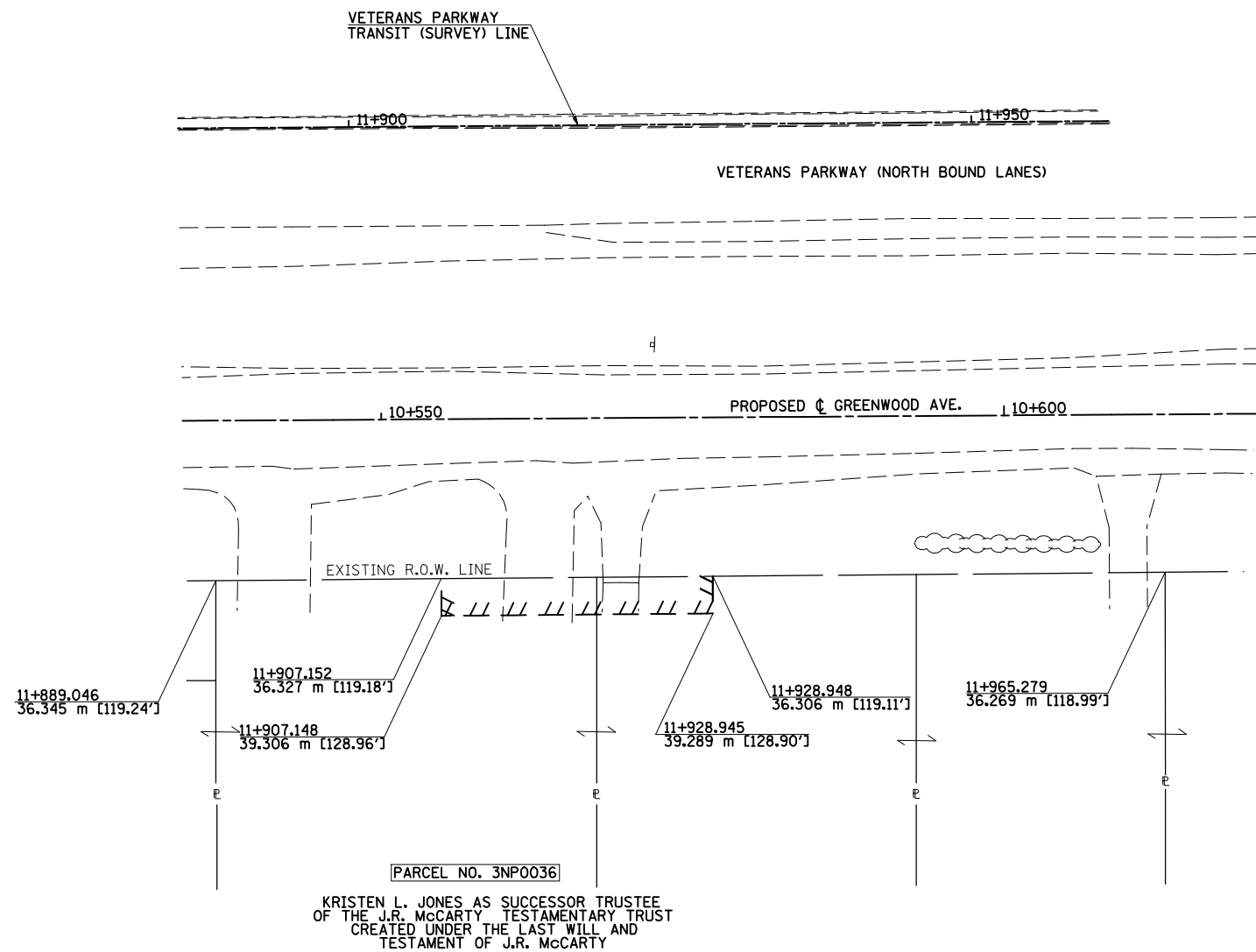
DRAWN BY PMH
CHECKED BY GJS

RIGHT OF WAY REVISIONS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLEAN	497	213
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 70514				



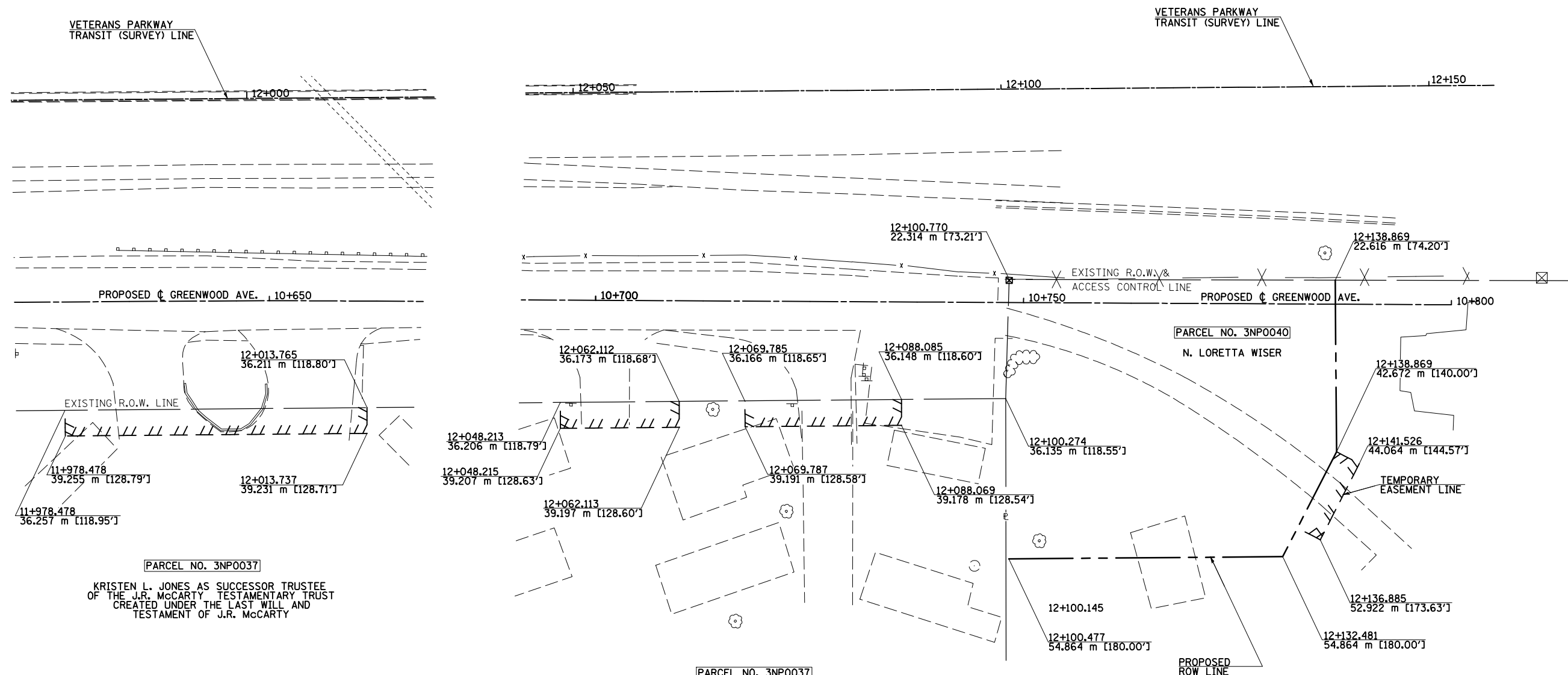
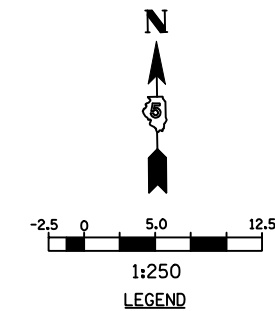
NOTE: PARCELS 3NP0012 AND 3NP0036 SHOWN FOR REVISED PROPERTY OWNERSHIP



REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		RIGHT OF WAY
SHEET 3 OF 4		DRAWN BY PMH
DATE 05-27-09		CHECKED BY GJS

RIGHT OF WAY REVISIONS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLEAN	497	214
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 70514				



PARCEL NO. 3NP0037
 KRISTEN L. JONES AS SUCCESSOR TRUSTEE
 OF THE J.R. McCARTY TESTAMENTARY TRUST
 CREATED UNDER THE LAST WILL AND
 TESTAMENT OF J.R. McCARTY

PARCEL NO. 3NP0037
 KRISTEN L. JONES AS SUCCESSOR TRUSTEE
 OF THE J.R. McCARTY TESTAMENTARY TRUST
 CREATED UNDER THE LAST WILL AND
 TESTAMENT OF J.R. McCARTY

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

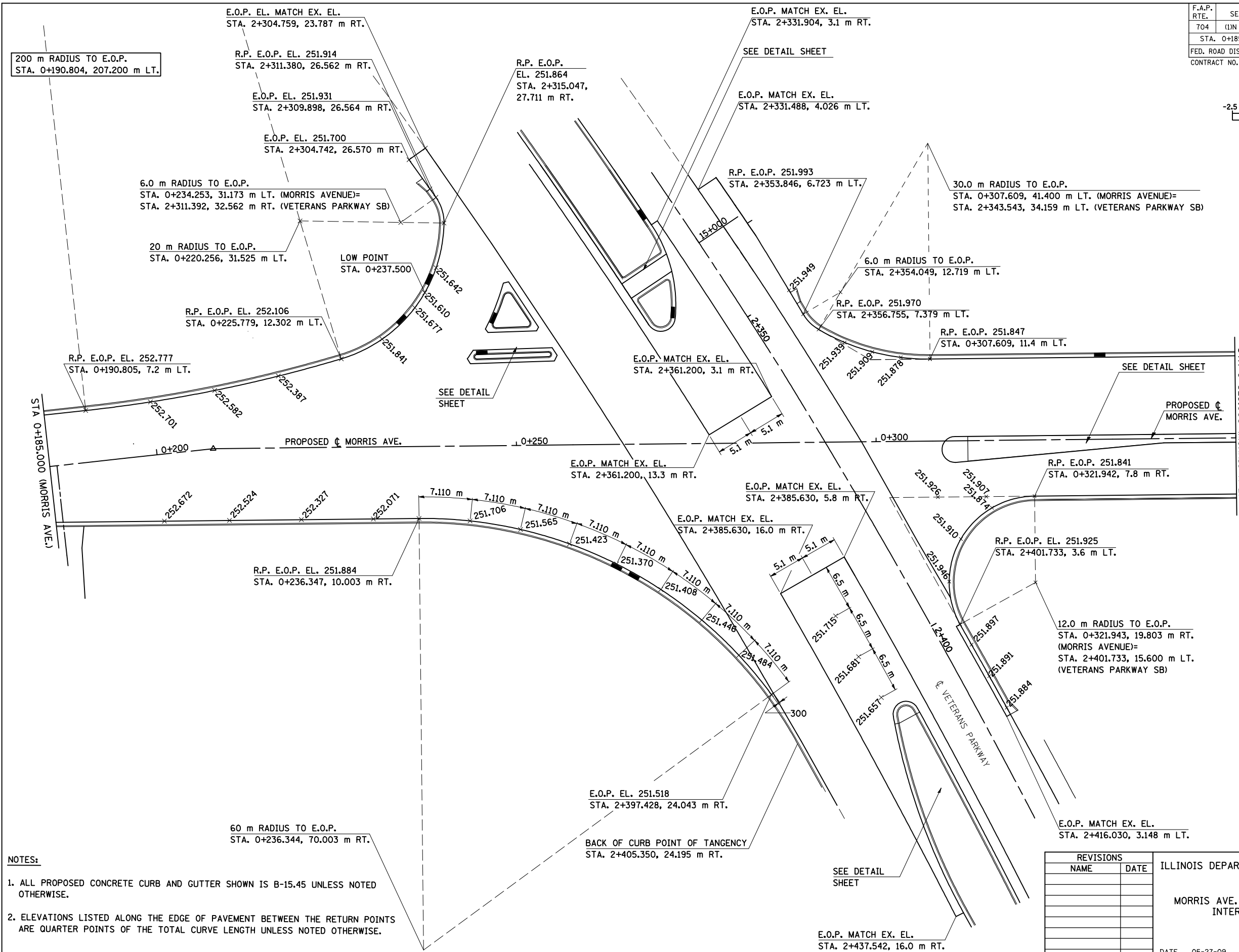
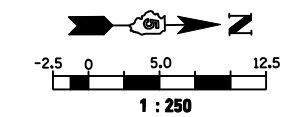
RIGHT OF WAY

SHEET 4 OF 4
 DATE 05-27-09

DRAWN BY PMH
 CHECKED BY GJS

RIGHT OF WAY REVISIONS

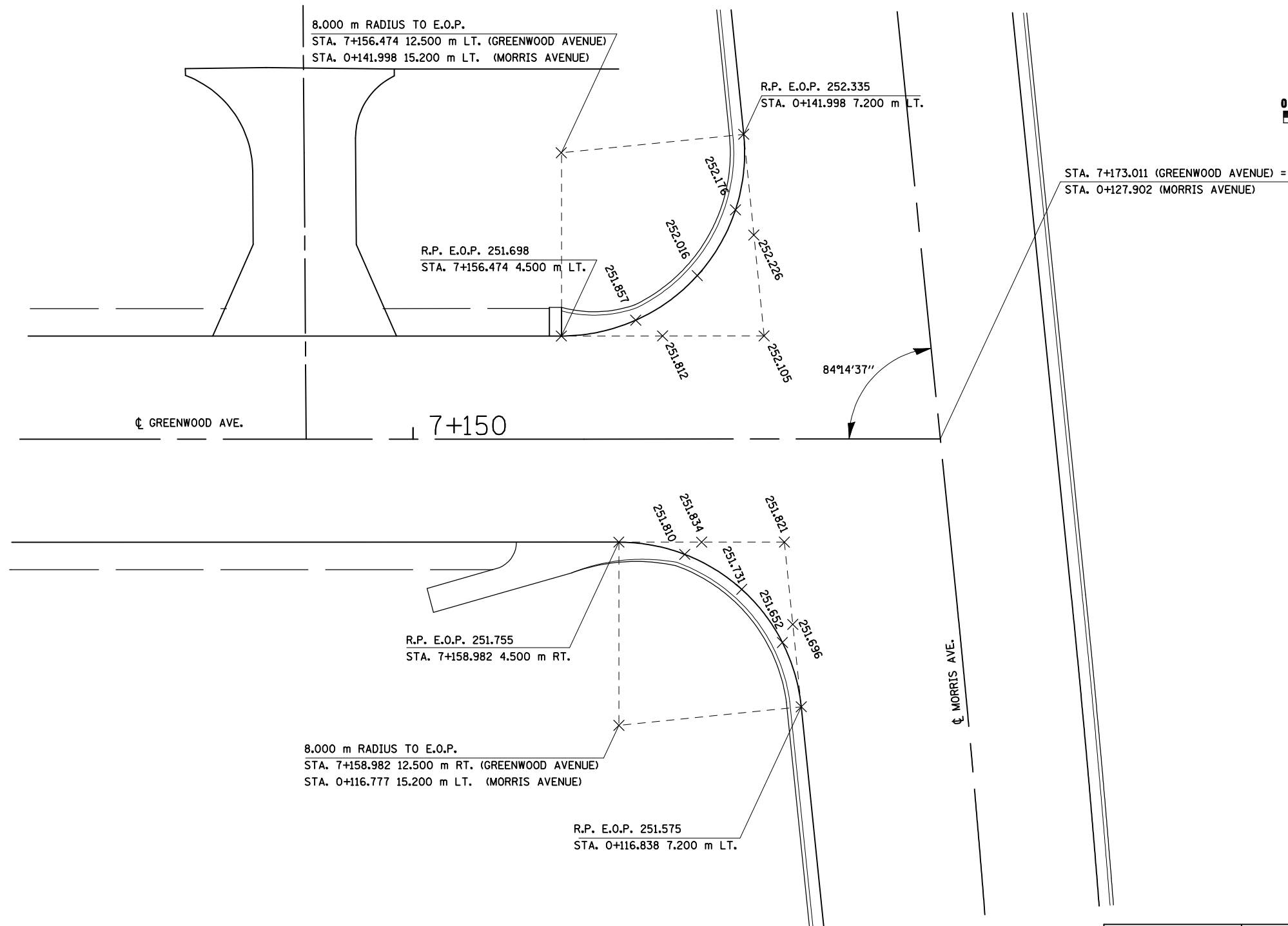
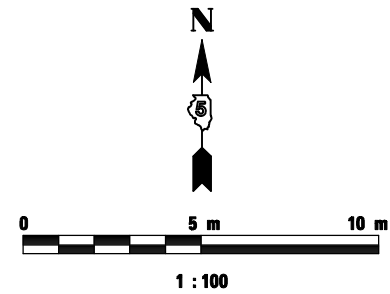
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLEAN	497	215
STA. 0+185.000		TO STA. 0+325.000		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 70514				



- NOTES:**
1. ALL PROPOSED CONCRETE CURB AND GUTTER SHOWN IS B-15.45 UNLESS NOTED OTHERWISE.
 2. ELEVATIONS LISTED ALONG THE EDGE OF PAVEMENT BETWEEN THE RETURN POINTS ARE QUARTER POINTS OF THE TOTAL CURVE LENGTH UNLESS NOTED OTHERWISE.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		MORRIS AVE. AND VETERANS PARKWAY INTERSECTION DETAILS DRAWN BY SAM CHECKED BY PMH DATE 05-27-09

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLEAN	497	216
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 70514				

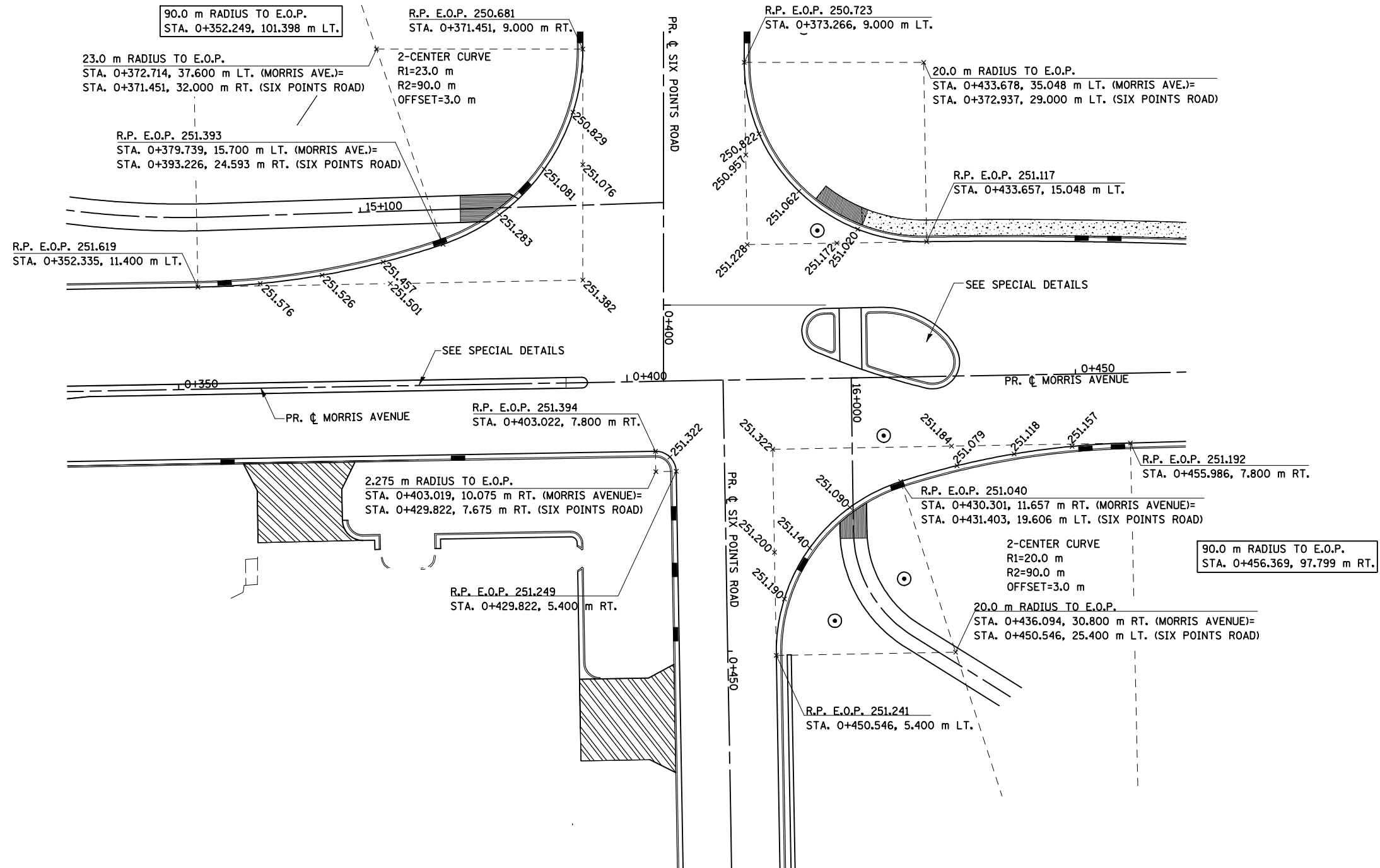
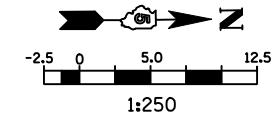


NOTES:

1. ALL PROPOSED CONCRETE CURB AND GUTTER SHOWN IS B-15.45 UNLESS NOTED OTHERWISE.
2. ELEVATIONS LISTED ALONG THE EDGE OF PAVEMENT BETWEEN THE RETURN POINTS ARE QUARTER POINTS OF THE TOTAL CURVE LENGTH.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		MORRIS AVENUE AND GREENWOOD AVENUE INTERSECTION DETAILS
		DATE 05-27-09
		DRAWN BY BER CHECKED BY PMH

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLEAN	497	217
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 70514				



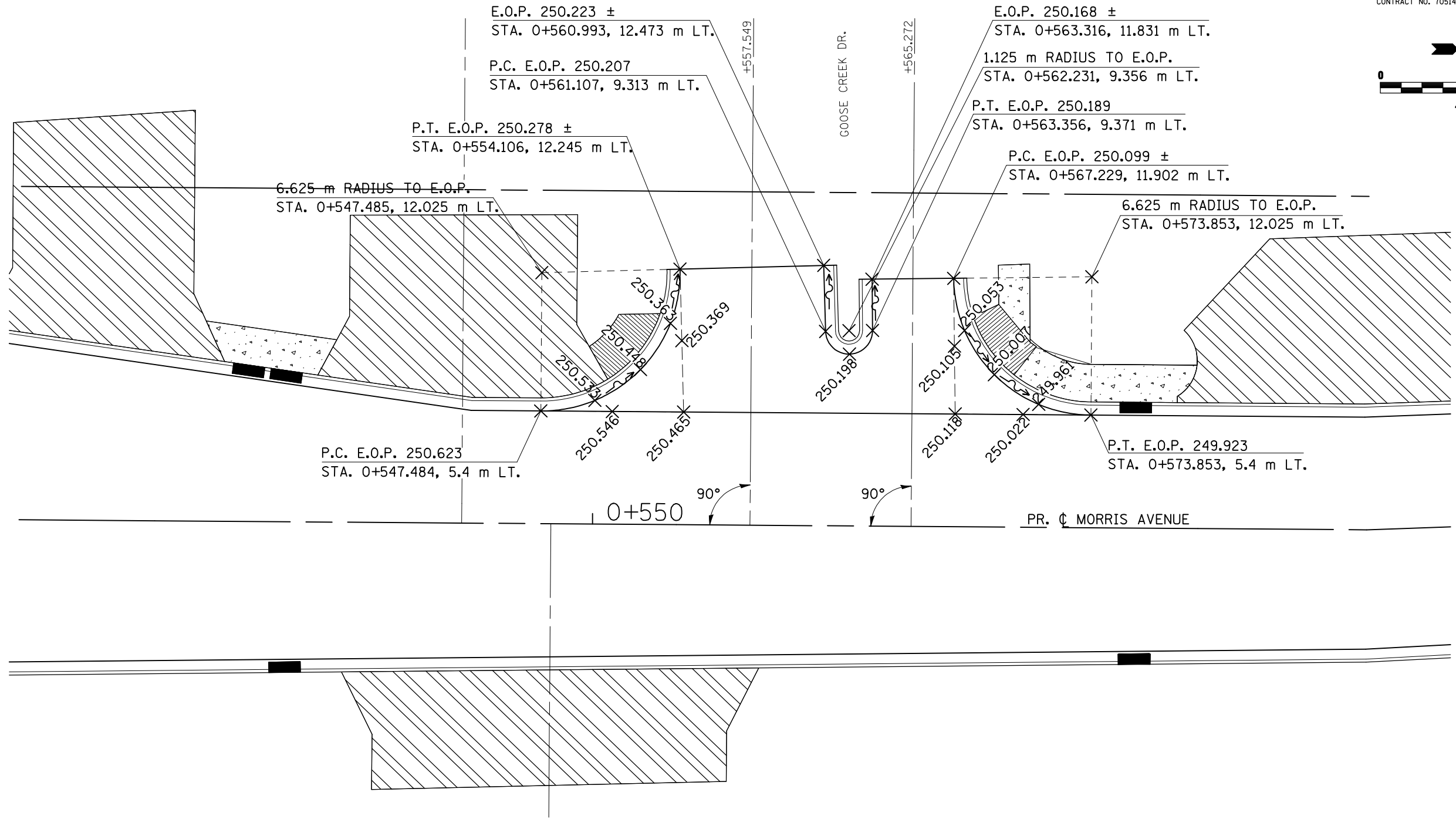
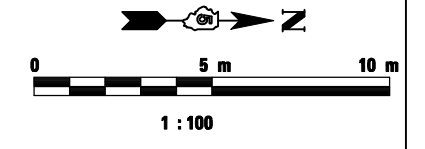
NOTES:

1. ALL PROPOSED CONCRETE CURB AND GUTTER SHOWN IS B-15.45 UNLESS NOTED OTHERWISE.
2. ELEVATIONS LISTED ALONG THE EDGE OF PAVEMENT BETWEEN THE RETURN POINTS ARE QUARTER POINTS OF THE TOTAL RADIUS LENGTH.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		MORRIS AVE. AND SIX POINTS RD. INTERSECTION DETAILS
		<small>DRAWN BY SAM CHECKED BY PMH</small>
		<small>DATE 05-27-09</small>

MORRIS AVE. AND SIX POINTS RD. INTERSECTION DETAILS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(DN & TS-1	McLEAN	497	218
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 70514				



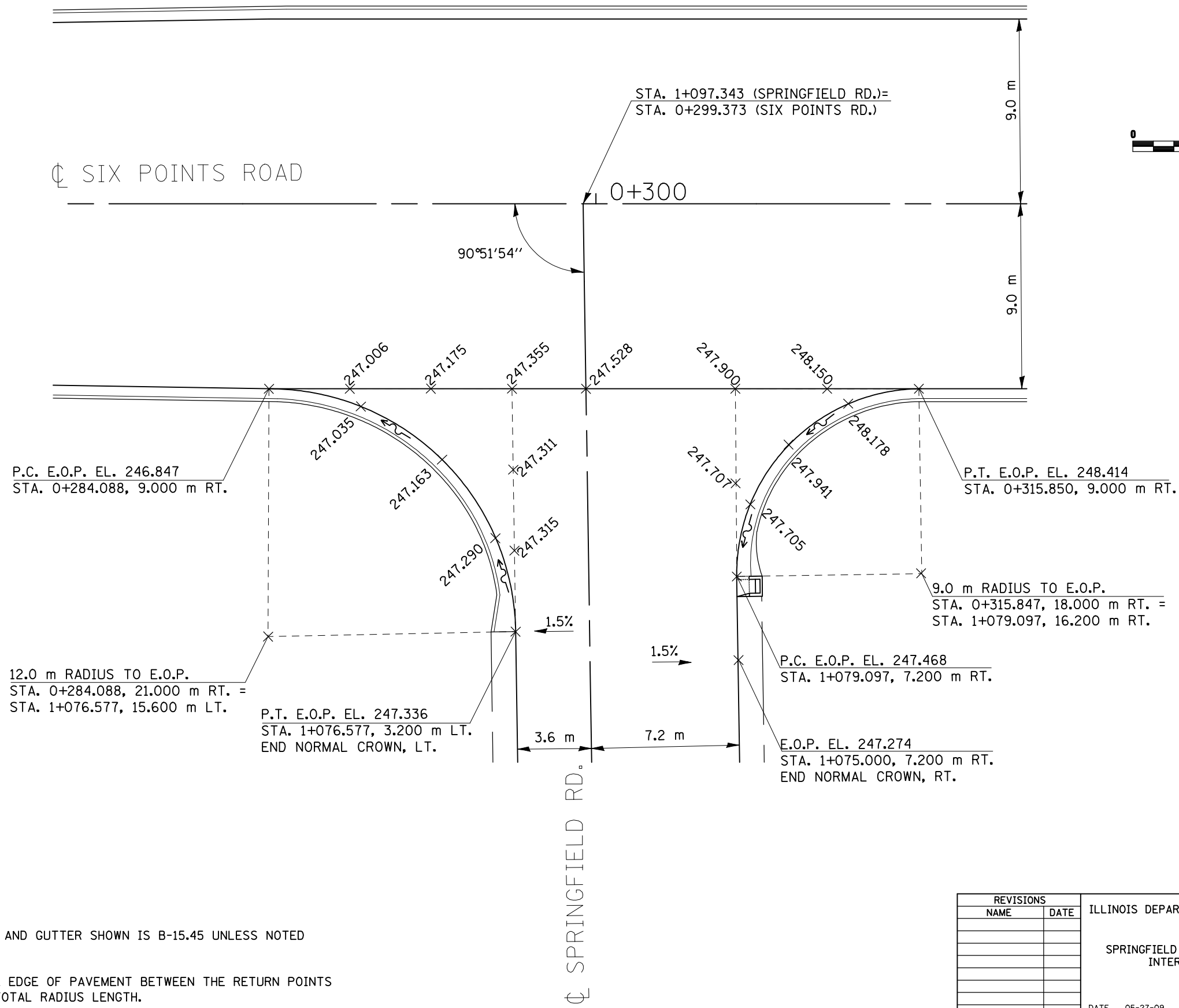
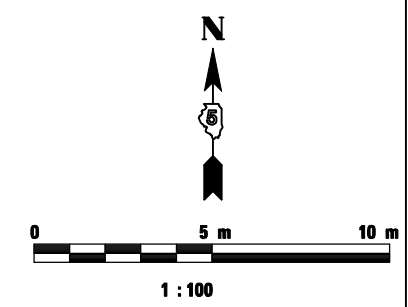
NOTES:

1. ALL PROPOSED CONCRETE CURB AND GUTTER SHOWN IS B-15.45 UNLESS NOTED OTHERWISE.
2. ELEVATIONS LISTED ALONG THE EDGE OF PAVEMENT BETWEEN THE RETURN POINTS ARE QUARTER POINTS OF THE TOTAL RADIUS LENGTH.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		GOOSE CREEK DR. AND MORRIS AVE. INTERSECTION DETAILS
DATE 05-27-09		DRAWN BY SAM CHECKED BY PMH

GOOSE CREEK DR. AND MORRIS AVE. INTERSECTION DETAILS

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(DN & TS-1	McLEAN	497	219
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 70514				



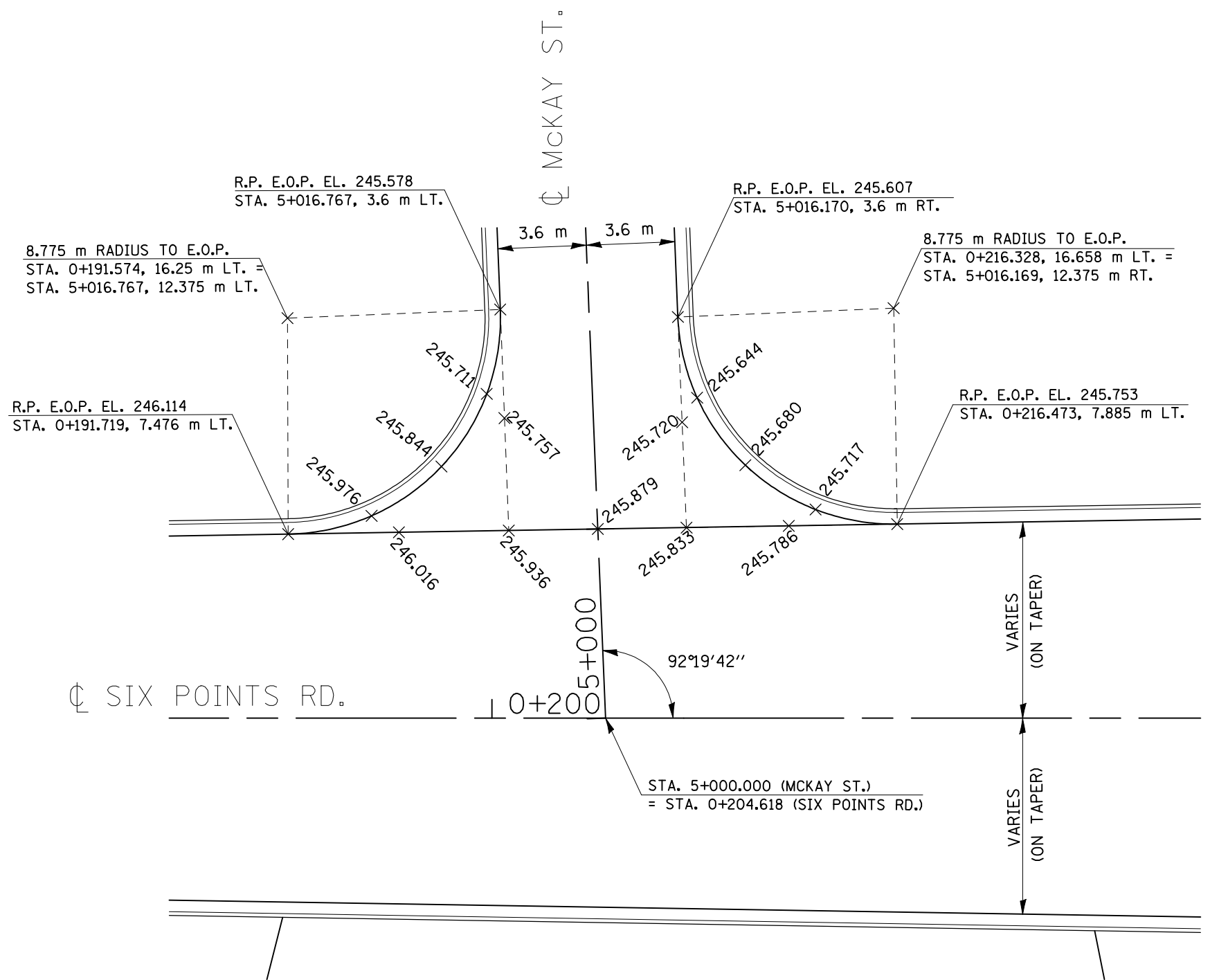
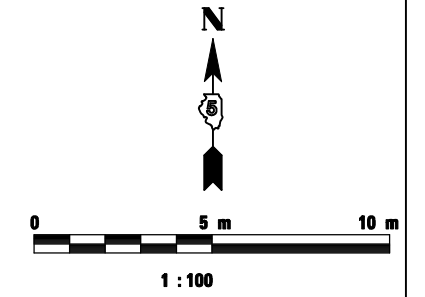
NOTES:

1. ALL PROPOSED CONCRETE CURB AND GUTTER SHOWN IS B-15.45 UNLESS NOTED OTHERWISE.
2. ELEVATIONS LISTED ALONG THE EDGE OF PAVEMENT BETWEEN THE RETURN POINTS ARE QUARTER POINTS OF THE TOTAL RADIUS LENGTH.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		SPRINGFIELD RD. AND SIX POINTS RD INTERSECTION DETAILS DRAWN BY SAM CHECKED BY PMH DATE 05-27-09

SPRINGFIELD RD. AND SIX POINTS RD. INTERSECTION DETAILS

F.A.P. RT.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLEAN	497	220
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 70514				



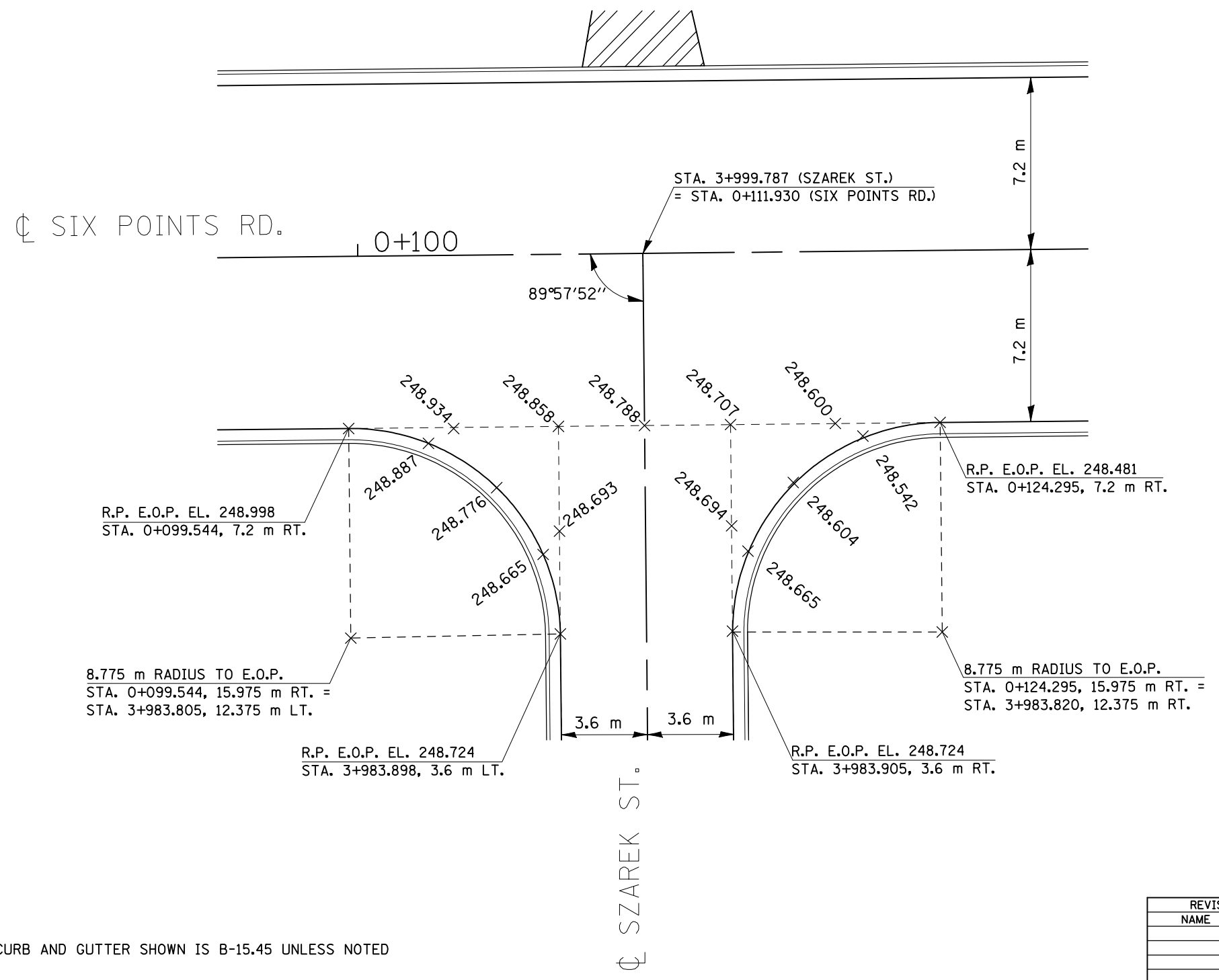
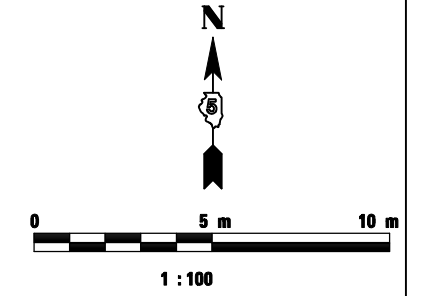
NOTES:

1. ALL PROPOSED CONCRETE CURB AND GUTTER SHOWN IS B-15.45 UNLESS NOTED OTHERWISE.
2. ELEVATIONS LISTED ALONG THE EDGE OF PAVEMENT BETWEEN THE RETURN POINTS ARE QUARTER POINTS OF THE TOTAL CURVE LENGTH.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		MCKAY ST. AND SIX POINTS RD. INTERSECTION DETAILS
		DRAWN BY SAM CHECKED BY PMH
		DATE 05-27-09

MCKAY ST. AND SIX POINTS RD. INTERSECTION DETAILS

F.A.P. RT.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(DN & TS-1	McLEAN	70514	221
STA. N/A		TO STA. N/A		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 70514				



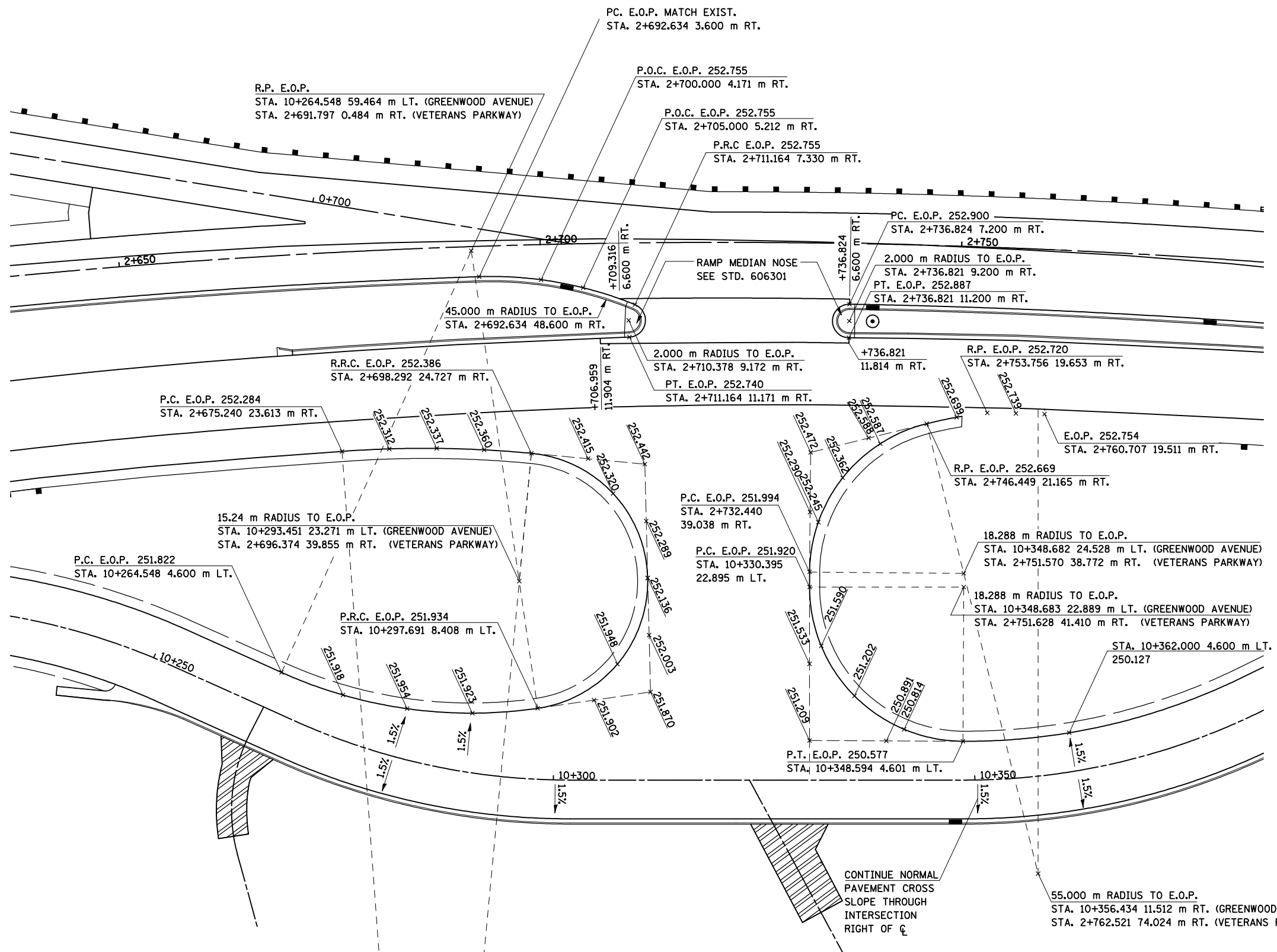
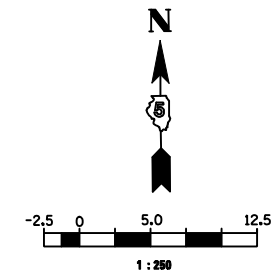
NOTES:

1. ALL PROPOSED CONCRETE CURB AND GUTTER SHOWN IS B-15.45 UNLESS NOTED OTHERWISE.
2. ELEVATIONS LISTED ALONG THE EDGE OF PAVEMENT BETWEEN THE RETURN POINTS ARE QUARTER POINTS OF THE TOTAL CURVE LENGTH.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		SZAREK ST. AND SIX POINTS RD. INTERSECTION DETAILS DRAWN BY SAM CHECKED BY PMH DATE 05-27-09

SZAREK ST. AND SIX POINTS RD. – INTERSECTION DETAILS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLEAN	497	222
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 70514				



NOTES:

1. ALL PROPOSED CONCRETE CURB AND GUTTER SHOWN IS B-15.45 UNLESS NOTED OTHERWISE.
2. ELEVATIONS LISTED ALONG THE EDGE OF PAVEMENT BETWEEN THE RETURN POINTS ARE QUARTER POINTS OF THE TOTAL RADIUS LENGTH.

134.000 RADIUS TO E.O.P.
 STA. 10+294.145 95.486 m RT.
 STA. 2+678.688 157.577 m RT.

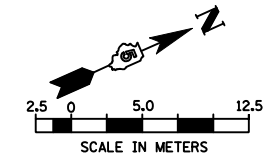
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

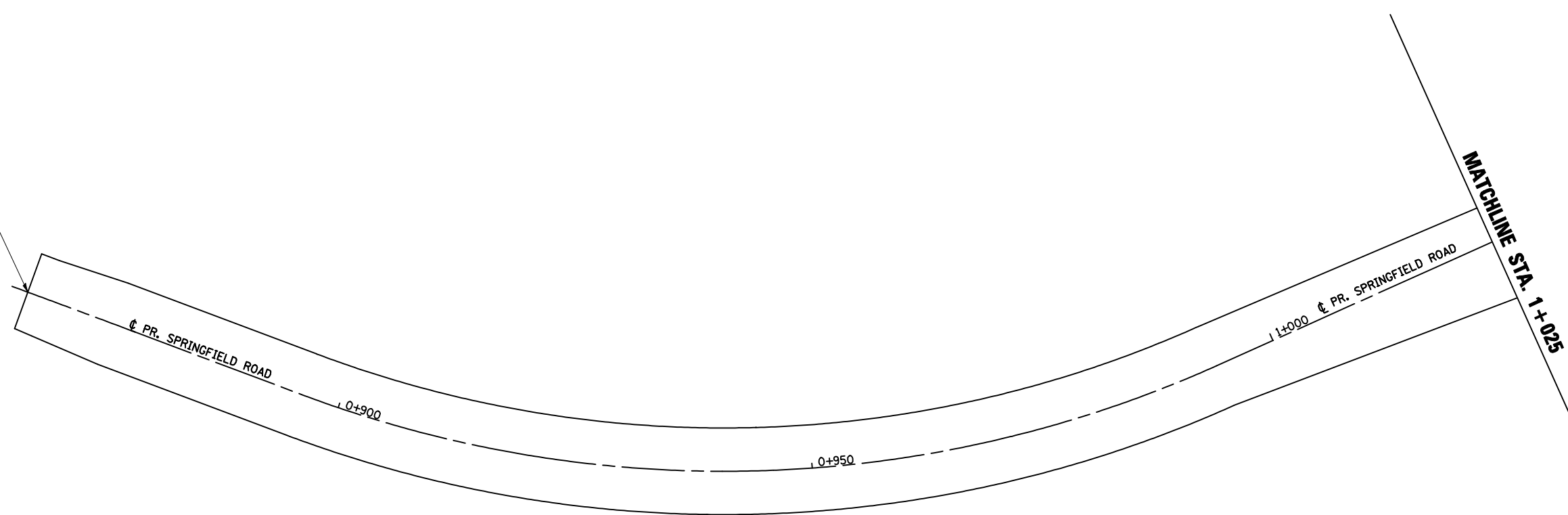
 GREENWOOD AVE. AND VETERANS PARKWAY
 INTERSECTION DETAILS

 DRAWN BY SAM
 CHECKED BY PMH
 DATE 05-27-09

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLEAN	497	223
STA. 0+865.521		TO STA. 1+025.000		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 70514				



BEGIN PAVEMENT
STA. 0+865.521



STATION	LEFT			CENTERLINE	RIGHT		
	LEFT RATE	LEFT OFFSET	LEFT ELEVATION	ELEVATION	RIGHT RATE	RIGHT OFFSET	RIGHT ELEVATION
	%	m	m	m	%	m	m
0+865.521	MATCH EXIST	4.228	MATCH EXIST	253.702	MATCH EXIST	4.027	MATCH EXIST
0+870.000	-1.50	4.305	253.468	253.533	-1.39	4.252	253.473
0+880.000	-1.50	4.499	253.087	253.154	0.11	4.499	253.159
0+890.000	-1.72	4.500	252.699	252.776	1.72	4.500	252.853
0+900.000	-3.32	4.500	252.248	252.398	3.32	4.500	252.547
0+910.000	-4.00	4.500	251.839	252.019	4.00	4.500	252.199
0+920.000	-4.00	4.500	251.461	251.641	4.00	4.500	251.821
0+930.000	-4.00	4.500	251.083	251.263	4.00	4.500	251.443
0+940.000	-4.00	4.500	250.715	250.895	4.00	4.500	251.075
0+950.000	-4.00	4.500	250.369	250.549	4.00	4.500	250.729
0+960.000	-4.00	4.500	250.045	250.225	4.00	4.500	250.405
0+970.000	-4.00	4.500	249.743	249.923	4.00	4.500	250.103
0+980.000	-4.00	4.500	249.451	249.631	4.00	4.500	249.811
0+990.000	-3.24	4.500	249.193	249.339	3.24	4.500	249.485
1+000.000	-1.64	4.373	248.976	249.048	1.64	4.882	249.128
1+010.000	-1.50	4.175	248.693	248.756	0.04	5.474	248.758
1+020.000	-1.50	3.978	248.405	248.464	-1.47	6.067	248.375
1+020.230	-1.50	3.973	248.398	248.458	-1.50	6.081	248.366

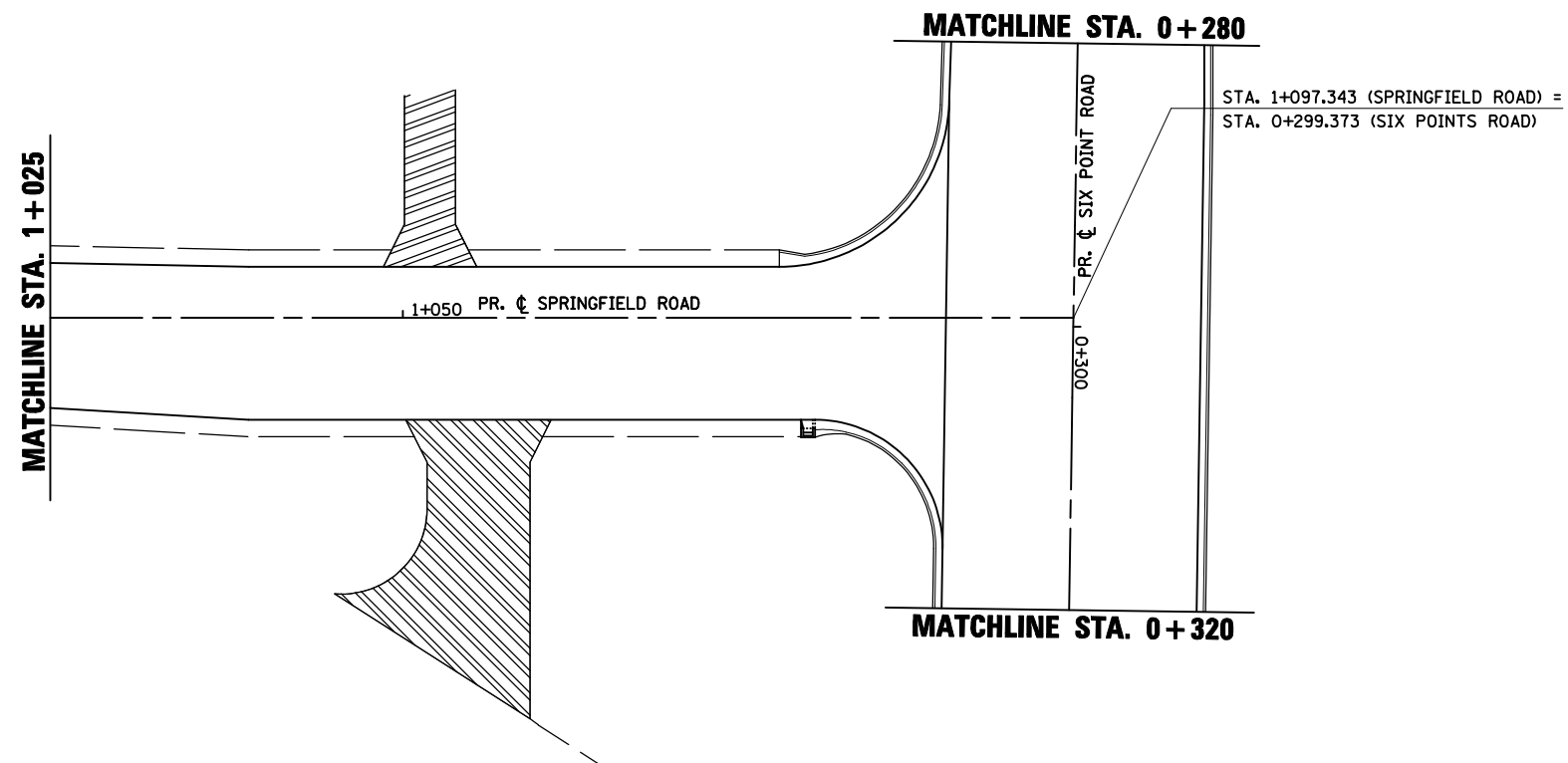
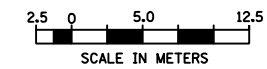
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		PAVEMENT ELEVATIONS SPRINGFIELD ROAD (WEST)

DRAWN BY SAM
CHECKED BY PMH

DATE 05-27-09

SPRINGFIELD ROAD, PAVEMENT ELEVATION, STA. 0 + 865.521 TO STA. 1 + 025

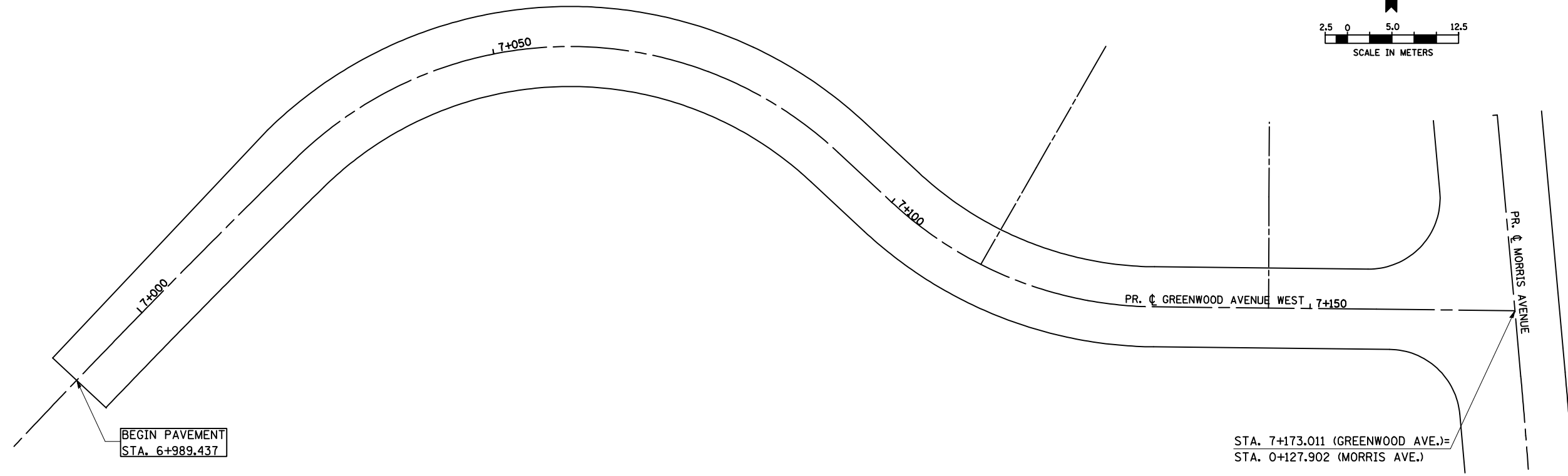
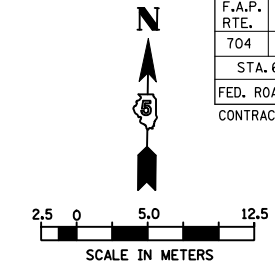
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLEAN	497	224
STA. 1+025.000		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 70514				



REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		PAVEMENT ELEVATIONS SPRINGFIELD ROAD (WEST)
DATE	03-31-09	DRAWN BY SAM CHECKED BY PMH

SPRINGFIELD ROAD, PAVEMENT ELEVATION, STA. 1+025 TO STA. 1+097.343

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLEAN	497	225
STA. 6+989.437		TO STA. 7+173.011		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 70514				



STATIONS	LEFT			CENTERLINE ELEVATION	RIGHT		
	LEFT RATE	LEFT OFFSET	LEFT ELEVATION		RIGHT RATE	RIGHT OFFSET	RIGHT ELEVATION
	%	m	m		%	m	m
6+989.437	2.00	3.660	254.011	254.938	-2.00	4.733	254.843
6+990.000	2.00	3.673	254.986	254.913	-2.00	4.720	254.819
7+000.000	2.00	3.913	254.547	254.469	-2.00	4.500	254.379
7+010.000	2.00	4.153	254.109	254.026	-2.00	4.500	253.936
7+020.000	2.25	4.393	253.658	253.559	-2.25	4.500	253.458
7+030.000	3.00	4.500	253.207	253.072	-3.00	4.500	252.937
7+040.000	3.00	4.500	252.703	252.568	-3.00	4.500	252.433
7+050.000	3.00	4.500	252.196	252.061	-3.00	4.500	251.926
7+060.000	3.00	4.500	251.697	251.562	-3.00	4.500	251.427
7+070.000	3.00	4.500	251.290	251.155	-3.00	4.500	251.020
7+080.000	3.00	4.500	250.993	250.858	-3.00	4.500	250.723
7+090.000	2.16	4.500	250.769	250.672	-2.16	4.500	250.575
7+100.000	0.16	4.500	250.603	250.596	-1.50	4.500	250.528
7+110.000	-1.50	4.500	250.564	250.632	-1.50	4.500	250.564
7+120.000	-1.50	4.500	250.710	250.777	-1.50	4.500	250.710
7+130.000	-1.50	4.500	250.965	251.033	-1.50	4.500	250.965
7+140.000	-1.50	4.500	251.265	251.333	-1.50	4.500	251.265

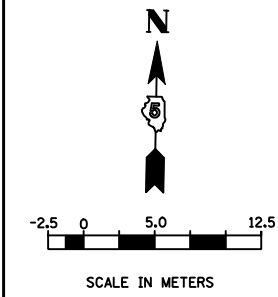
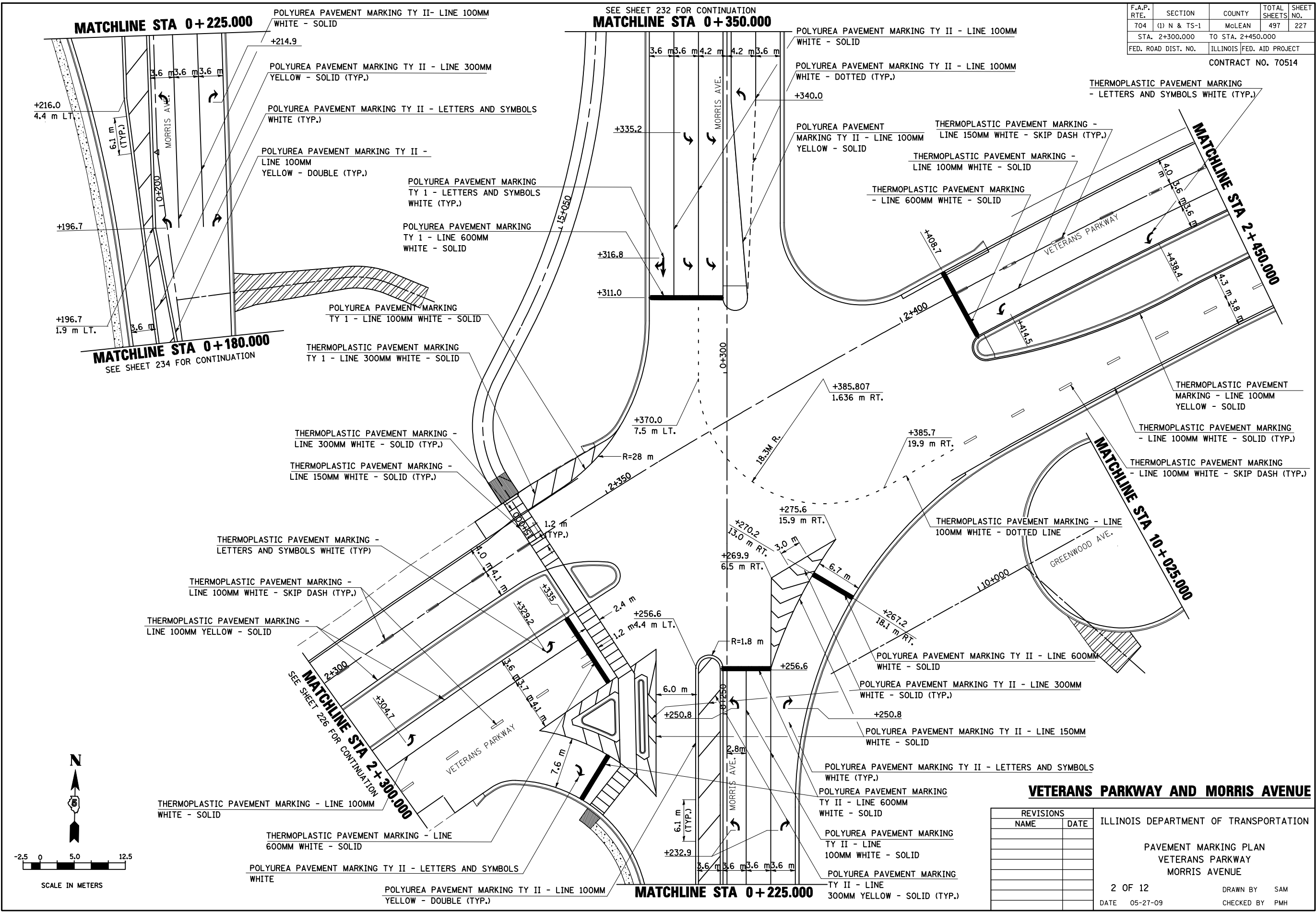
STA. 7+173.011 (GREENWOOD AVE.)=
STA. 0+127.902 (MORRIS AVE.)

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		PAVEMENT ELEVATIONS GREENWOOD AVENUE (WEST)
DATE 05-27-09		DRAWN BY SAM CHECKED BY PMH

GREENWOOD AVENUE, PAVEMENT ELEVATION, STA. 6 + 989.437 TO STA. 7 + 173.011

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1) N & TS-1	McLEAN	497	227
STA. 2+300.000		TO STA. 2+450.000		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 70514



VETERANS PARKWAY AND MORRIS AVENUE

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 PAVEMENT MARKING PLAN
 VETERANS PARKWAY
 MORRIS AVENUE
 2 OF 12
 DATE 05-27-09
 DRAWN BY SAM
 CHECKED BY PMH

SEE SHEET 232 FOR CONTINUATION
MATCHLINE STA 0+350.000

MATCHLINE STA 0+225.000

MATCHLINE STA 0+180.000
 SEE SHEET 234 FOR CONTINUATION

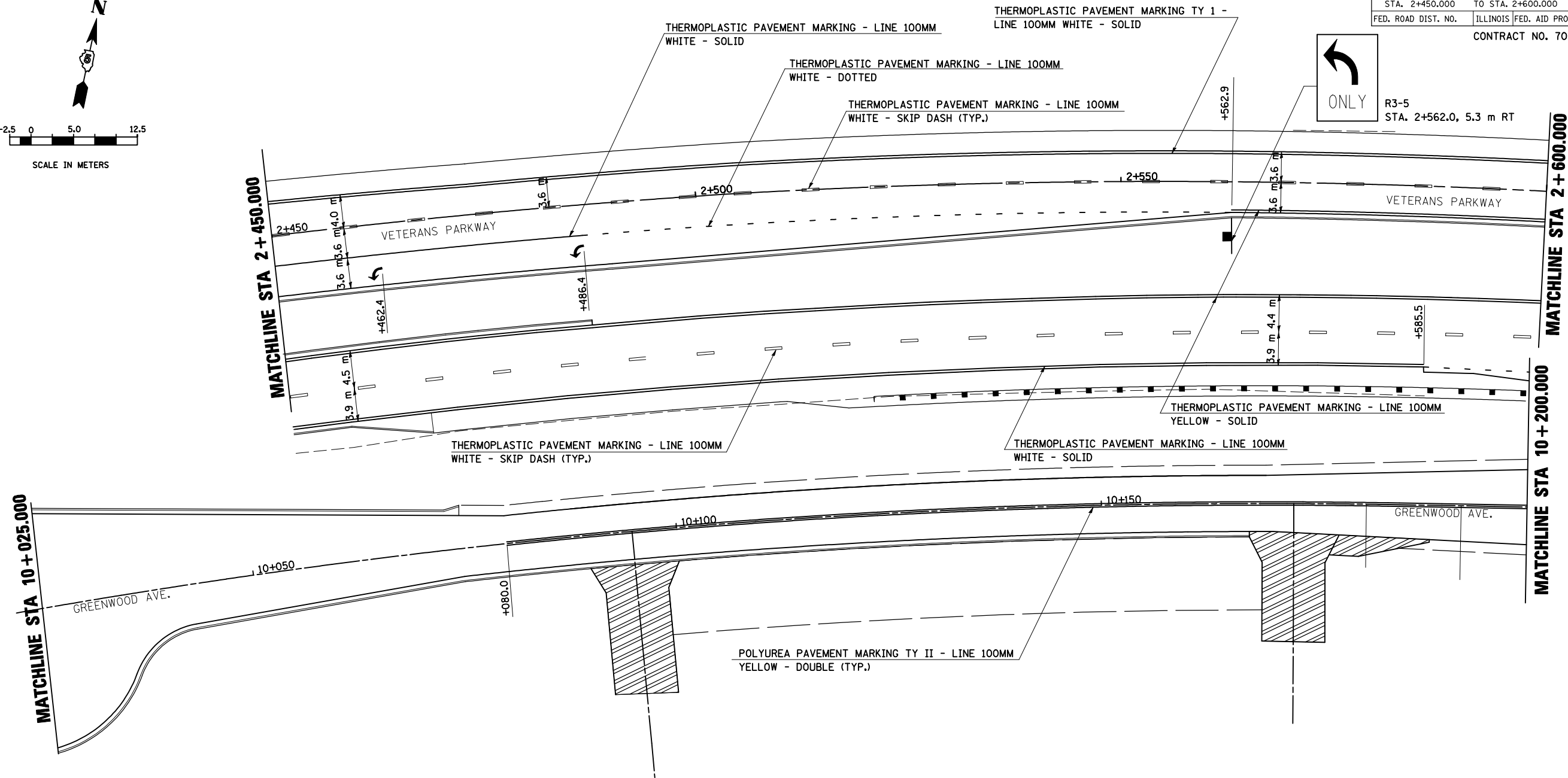
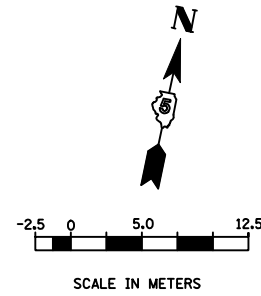
MATCHLINE STA 2+300.000
 SEE SHEET 226 FOR CONTINUATION

MATCHLINE STA 2+450.000

MATCHLINE STA 10+025.000

MATCHLINE STA 0+225.000

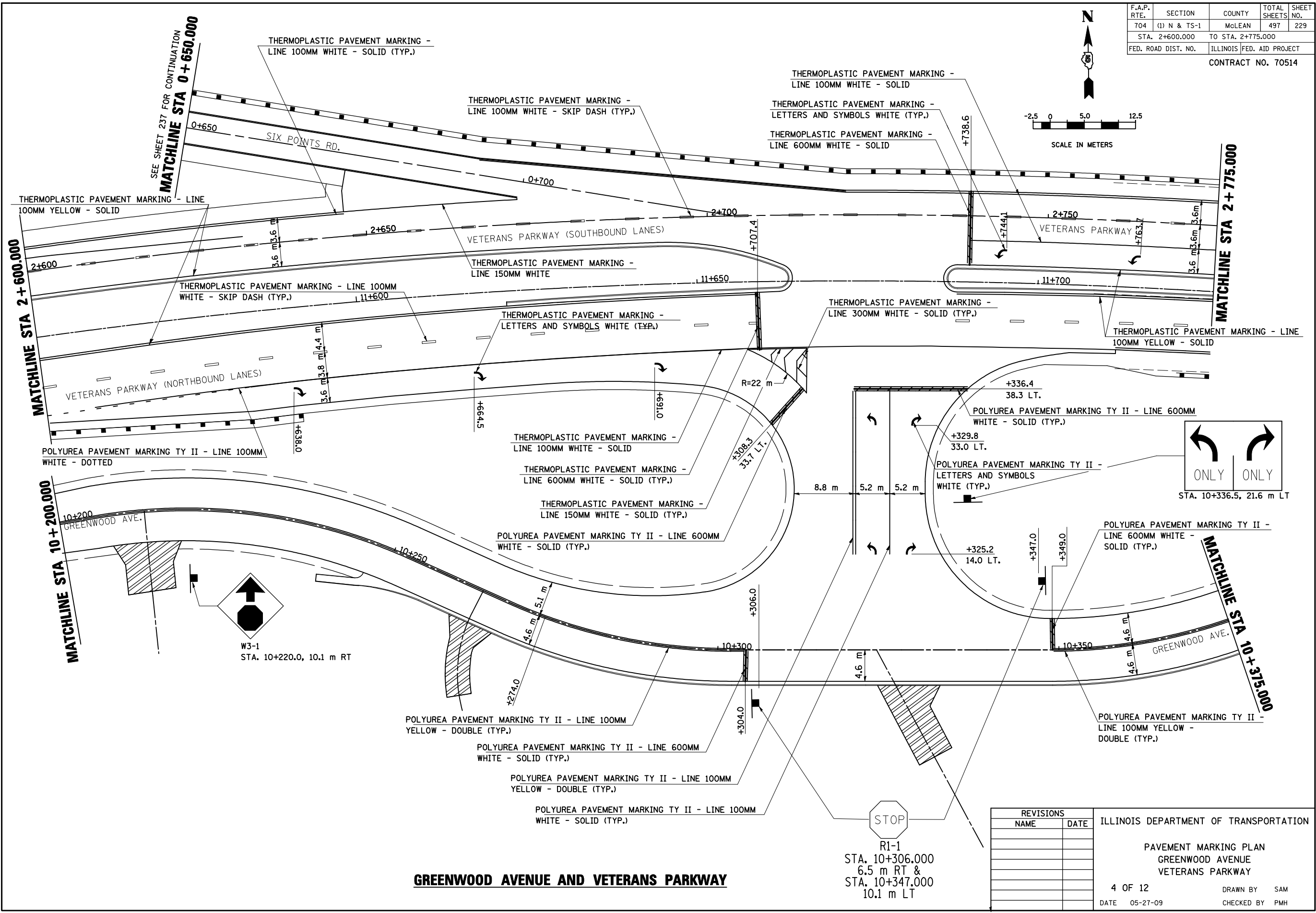
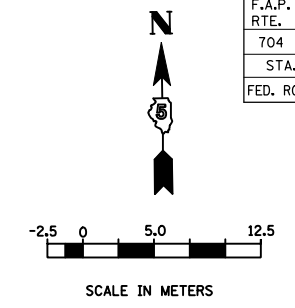
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1) N & TS-1	McLEAN	497	228
STA. 2+450.000		TO STA. 2+600.000		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		CONTRACT NO. 70514	



GREENWOOD AVENUE AND VETERANS PARKWAY

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		PAVEMENT MARKING PLAN GREENWOOD AVENUE VETERANS PARKWAY
3 OF 12		DATE 03-31-09
DRAWN BY SAM		CHECKED BY PMH

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1) N & TS-1	McLEAN	497	229
STA. 2+600.000		TO STA. 2+775.000		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 70514				



GREENWOOD AVENUE AND VETERANS PARKWAY

STOP
R1-1
STA. 10+306.000
6.5 m RT &
STA. 10+347.000
10.1 m LT

REVISIONS	
NAME	DATE

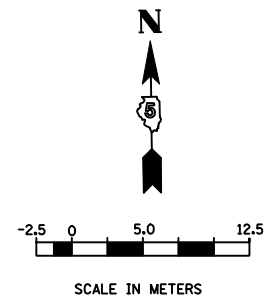
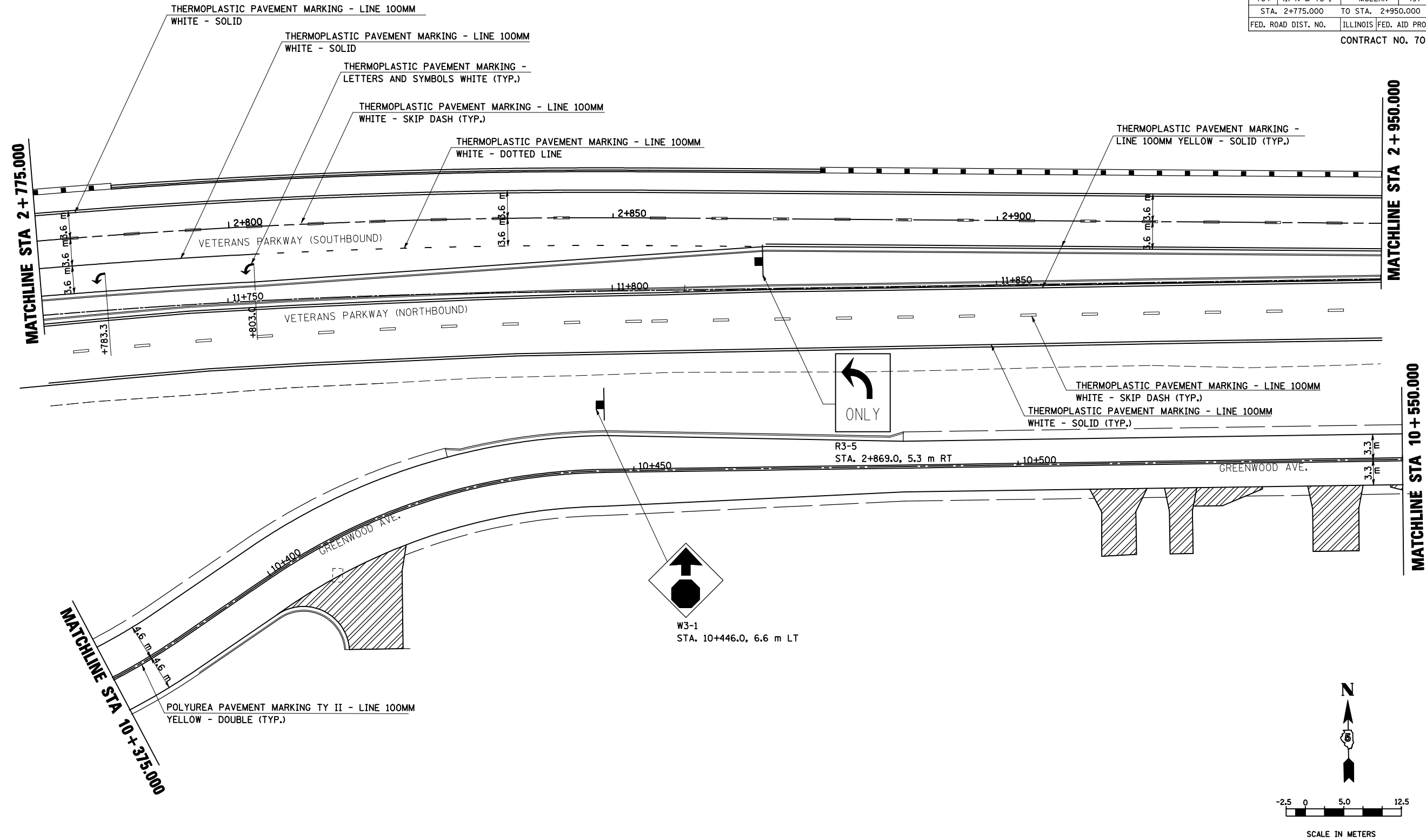
ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN
GREENWOOD AVENUE
VETERANS PARKWAY

4 OF 12
DATE 05-27-09
DRAWN BY SAM
CHECKED BY PMH

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1) N & TS-1	McLEAN	497	230
STA. 2+775.000		TO STA. 2+950.000		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 70514

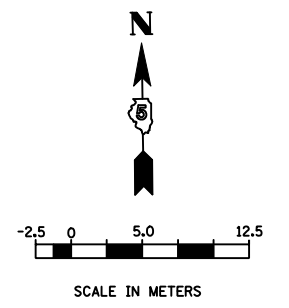
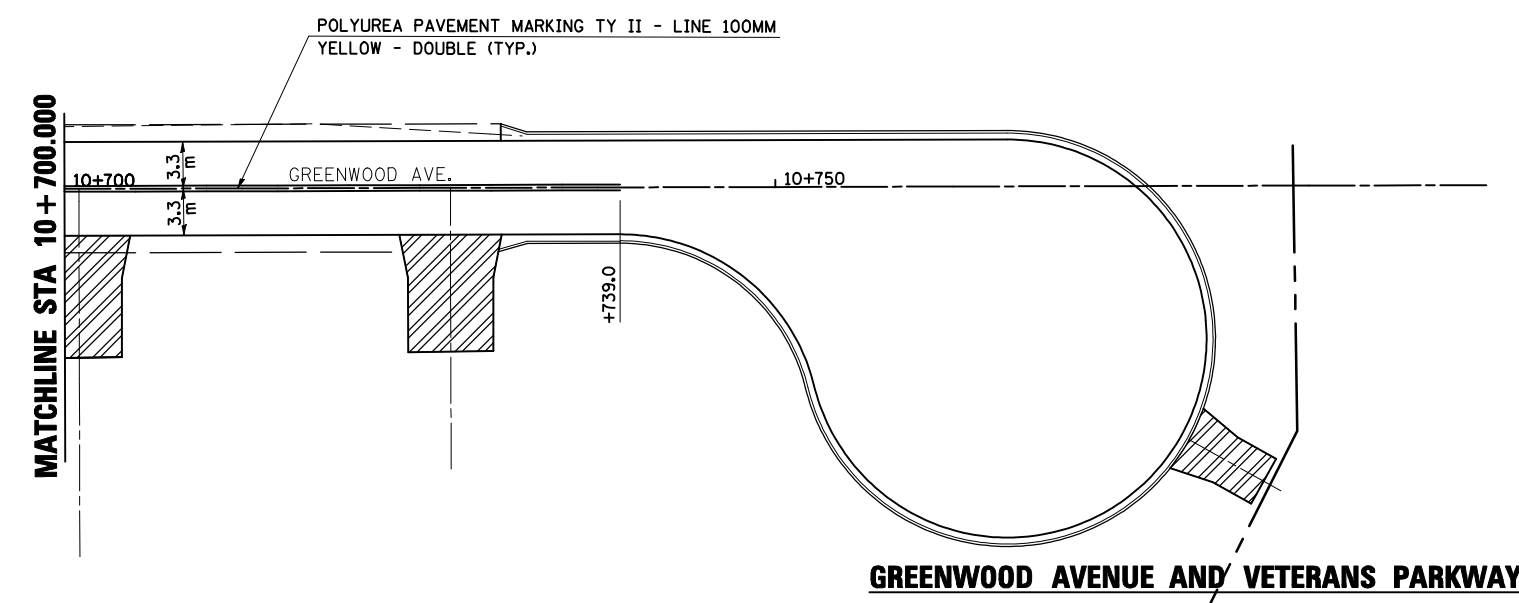
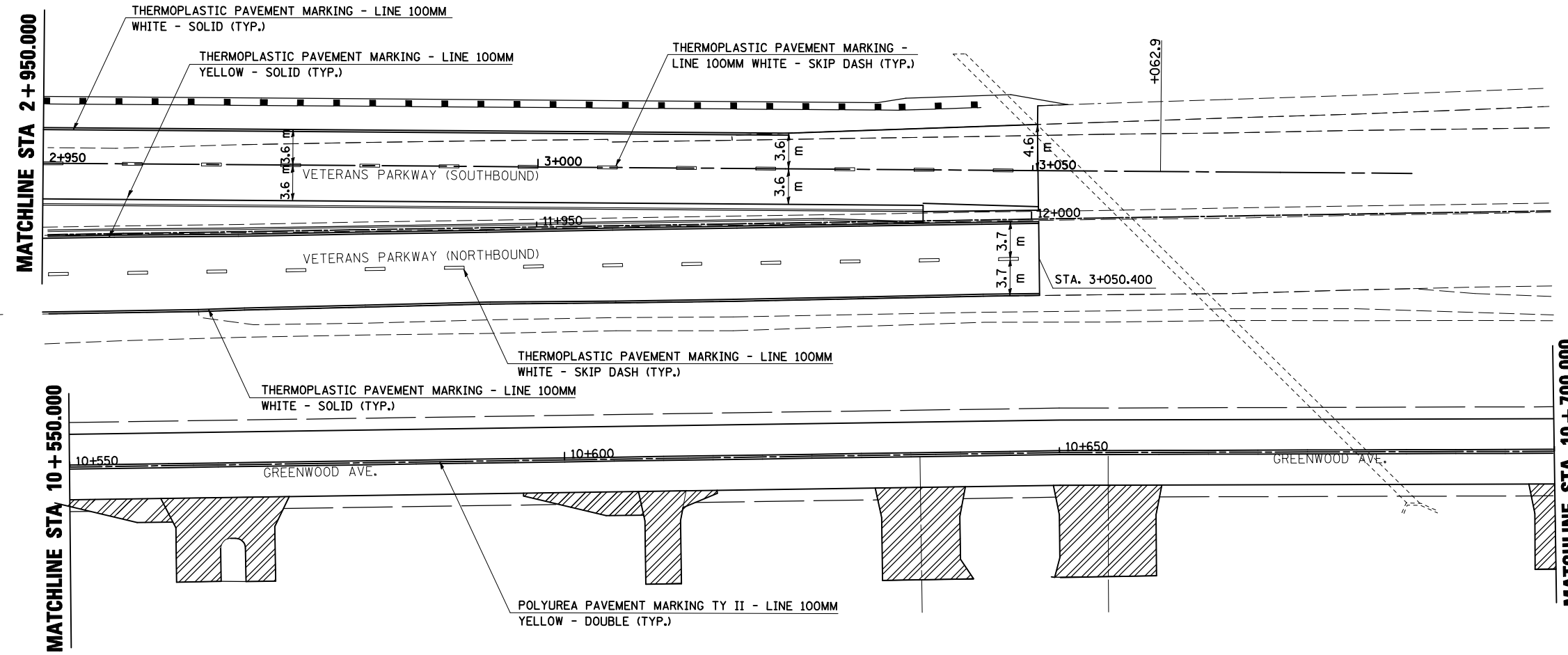
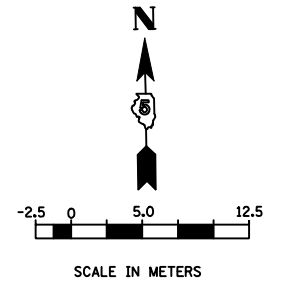


GREENWOOD AVENUE AND VETERANS PARKWAY

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		PAVEMENT MARKING PLAN GREENWOOD AVENUE VETERANS PARKWAY
5 OF 12		DATE 05-27-09
DRAWN BY SAM		CHECKED BY PMH

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1) N & TS-1	McLEAN	497	231
STA. 2+950.000		TO STA. 3+050.400		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

CONTRACT NO. 70514



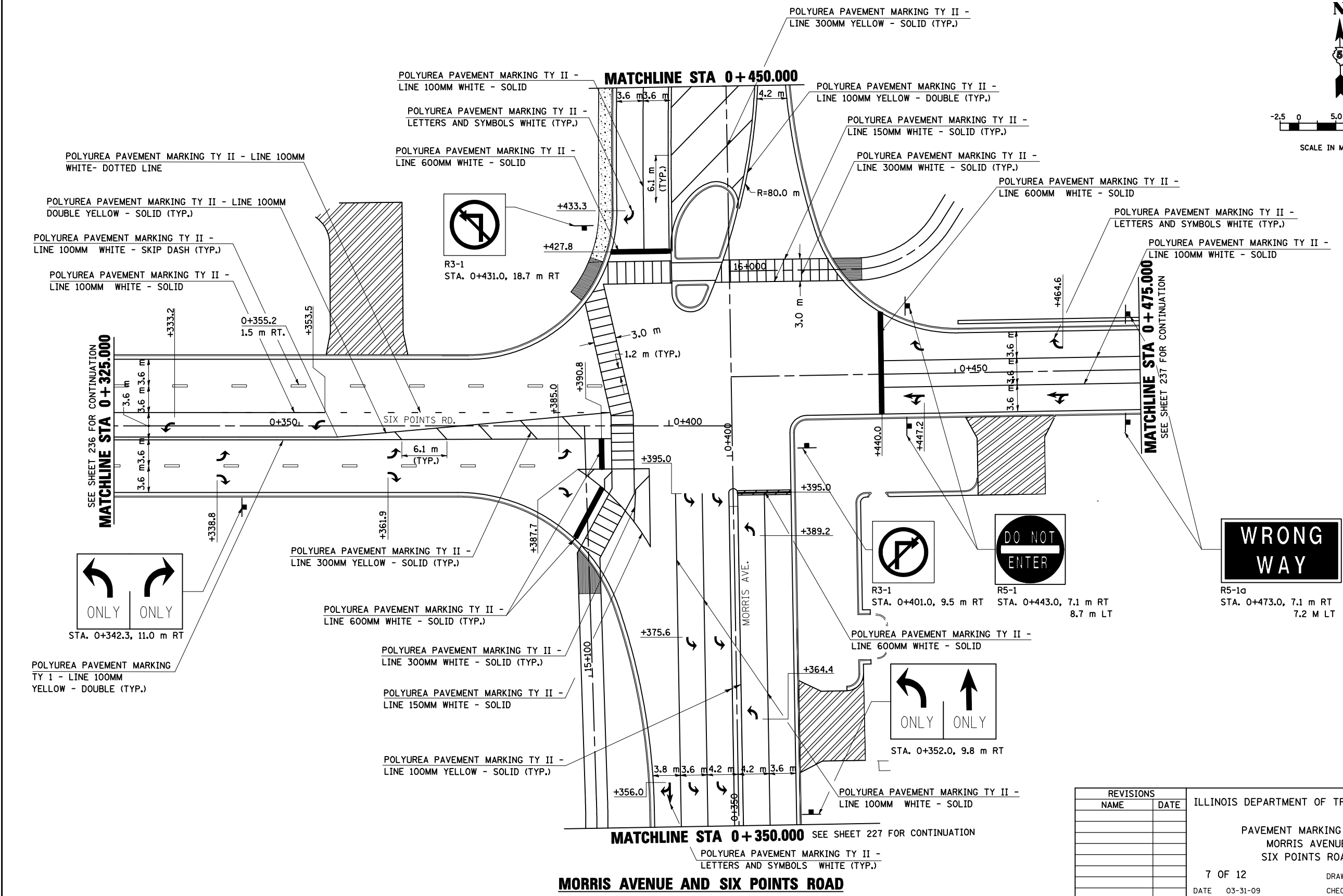
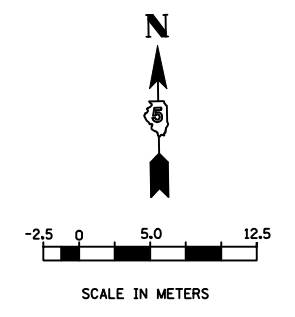
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		PAVEMENT MARKING PLAN GREENWOOD AVENUE VETERANS PARKWAY 6 OF 12 DATE 05-27-09

DRAWN BY SAM
CHECKED BY PMH

PAVEMENT MARKING PLAN

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1) N & TS-1	McLEAN	497	232
STA. 0+350.000		TO STA. 0+450.000		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 70514



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN
MORRIS AVENUE
SIX POINTS ROAD

7 OF 12

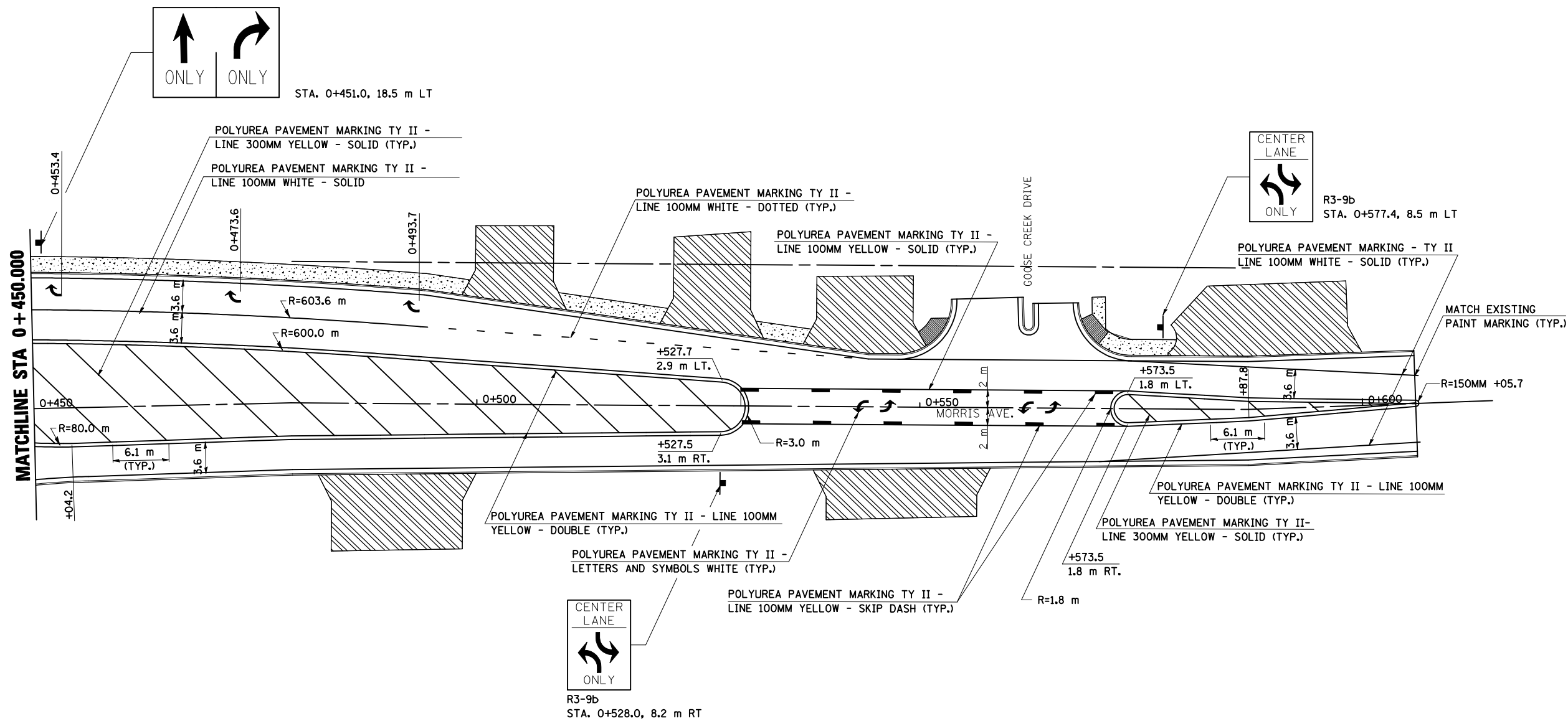
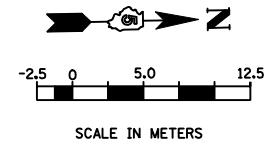
DATE 03-31-09

DRAWN BY SAM
CHECKED BY PMH

MORRIS AVENUE AND SIX POINTS ROAD

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1) N & TS-1	McLEAN	497	233
STA. 0+450.000		TO STA. 0+606.000		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

CONTRACT NO. 70514



MORRIS AVENUE

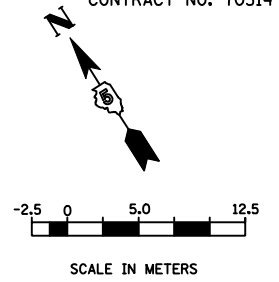
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		PAVEMENT MARKING PLAN MORRIS AVENUE 8 OF 12 DATE 03-31-09

DRAWN BY SAM
CHECKED BY PMH

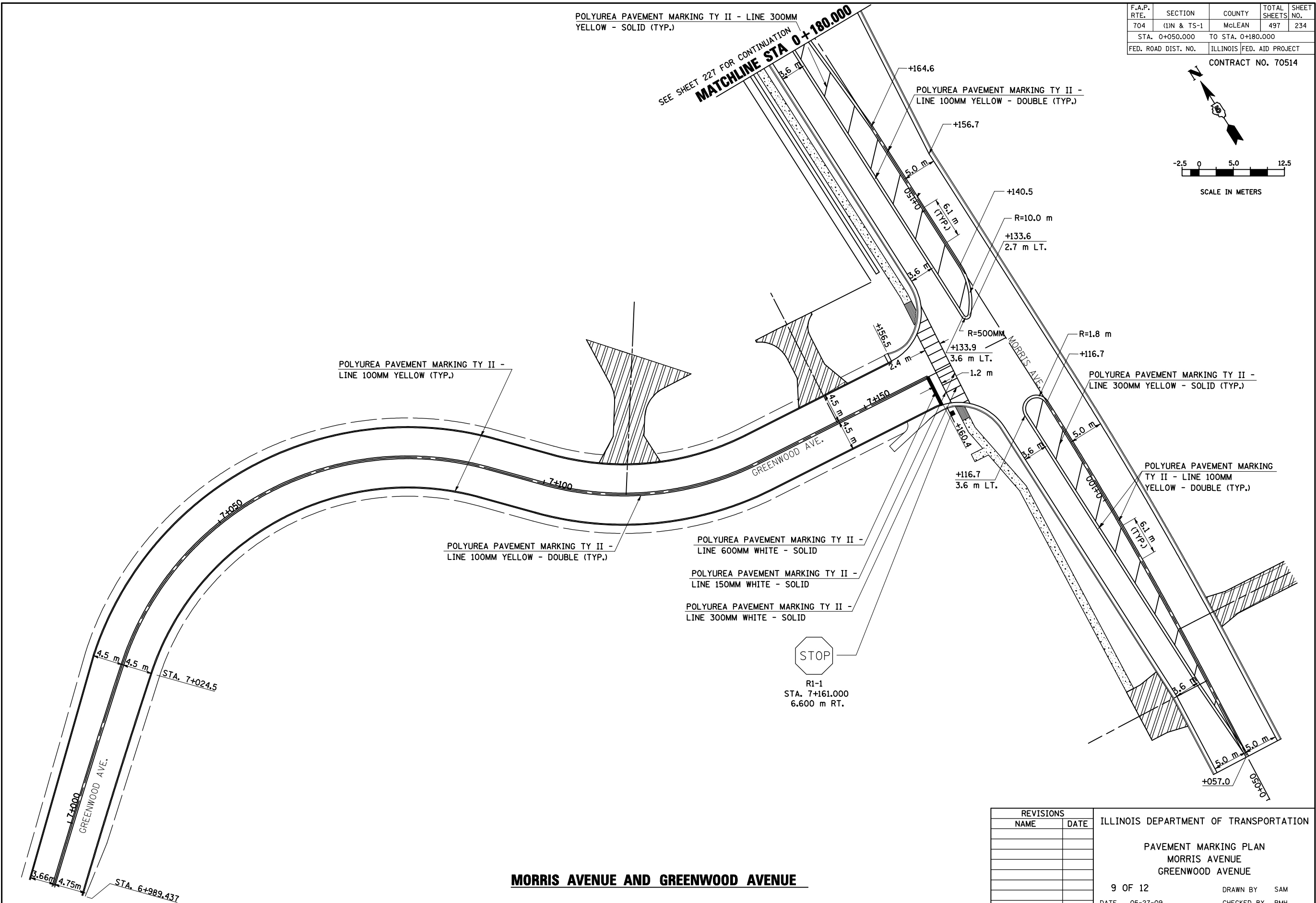
POLYUREA PAVEMENT MARKING TY II - LINE 300MM
YELLOW - SOLID (TYP.)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLEAN	497	234
STA. 0+050.000		TO STA. 0+180.000		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 70514



SEE SHEET 227 FOR CONTINUATION
MATCHLINE STA 0+180.000



MORRIS AVENUE AND GREENWOOD AVENUE

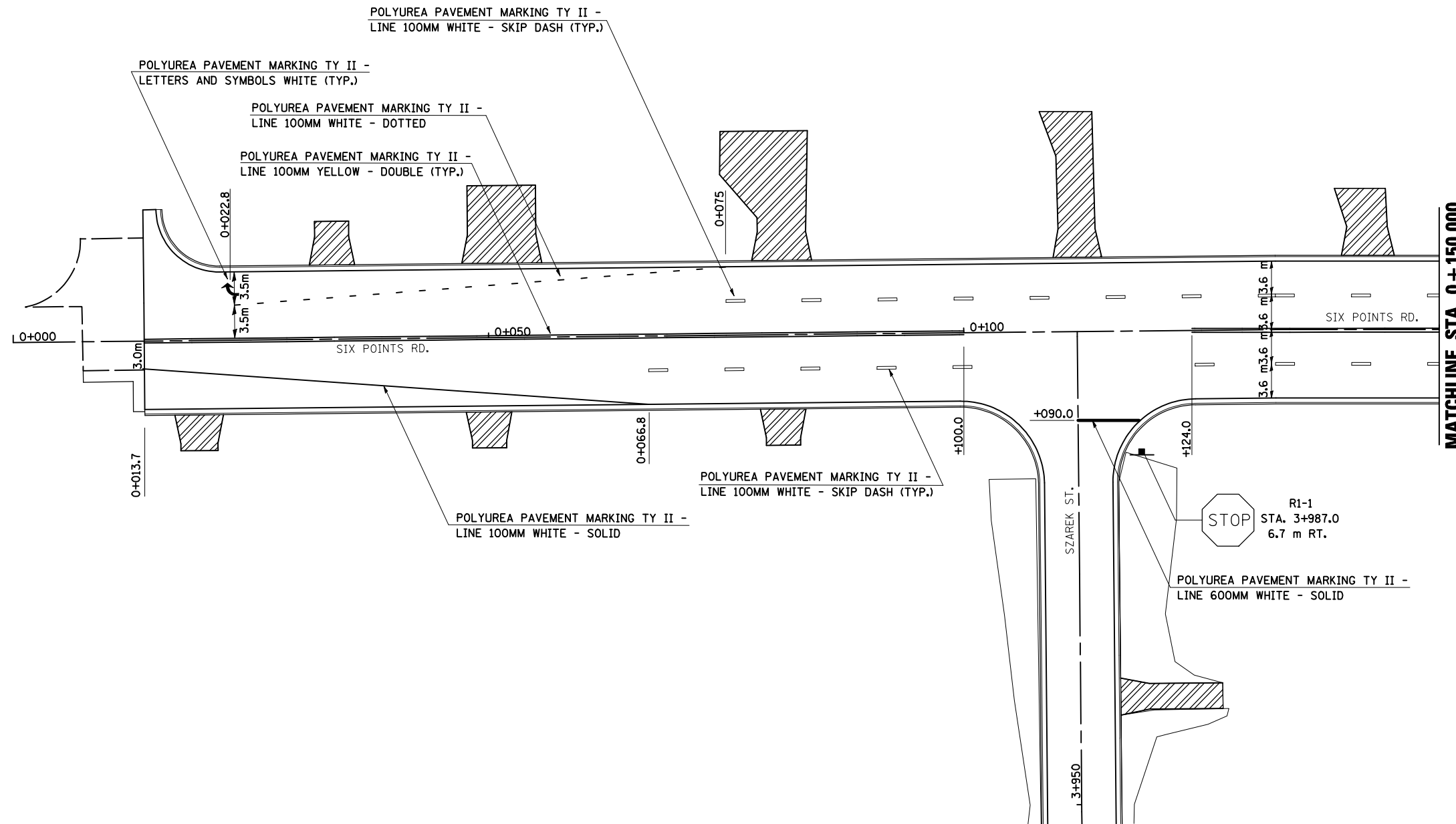
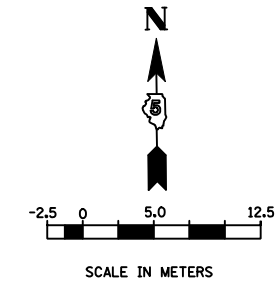
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		PAVEMENT MARKING PLAN MORRIS AVENUE GREENWOOD AVENUE 9 OF 12 DATE 05-27-09

DRAWN BY SAM
CHECKED BY PMH

MORRIS AVE. & GREENWOOD AVE. PAVEMENT MARKING PLAN

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1) N & TS-1	McLEAN	497	235
STA. 0+000.000		TO STA. 0+150.000		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 70514

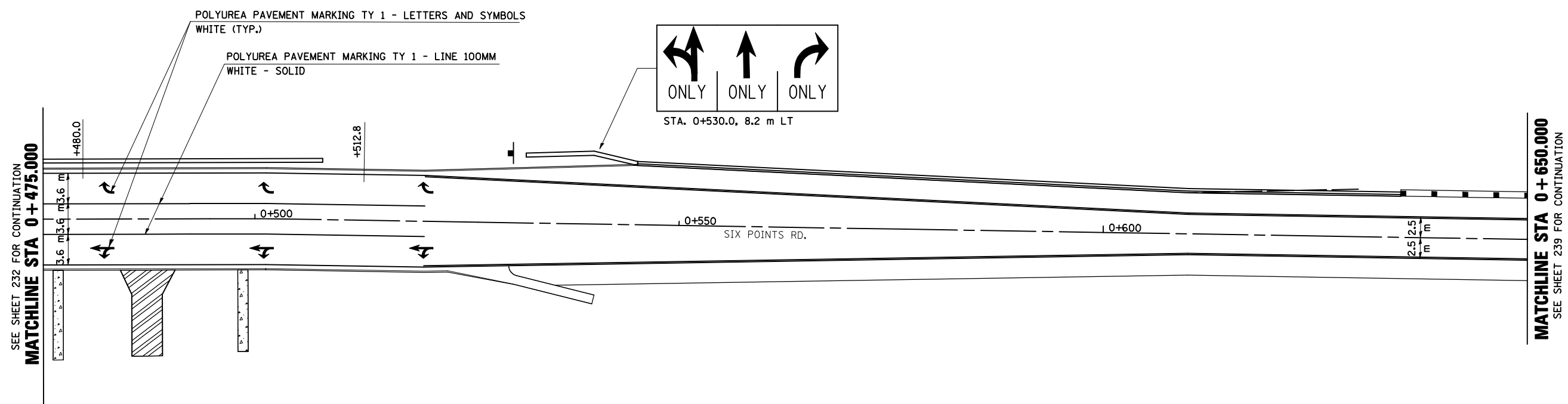
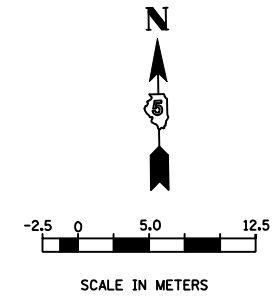


SIX POINTS ROAD

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		PAVEMENT MARKING PLAN SIX POINTS ROAD
10 OF 12	DATE 03-31-09	DRAWN BY SAM CHECKED BY PMH

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(I) N & TS-1	McLEAN	497	237
STA. 0+475.000		TO STA. 0+650.000		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

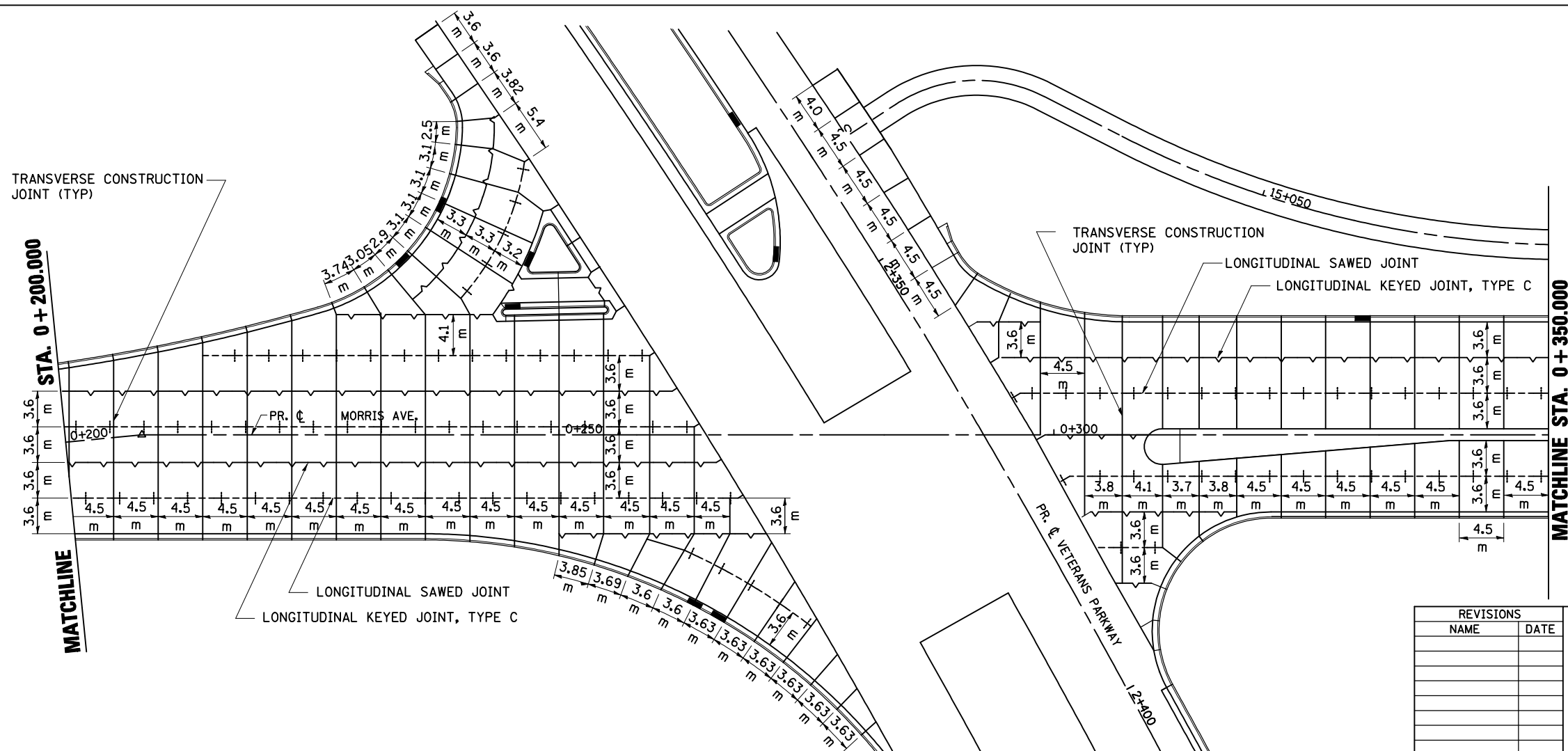
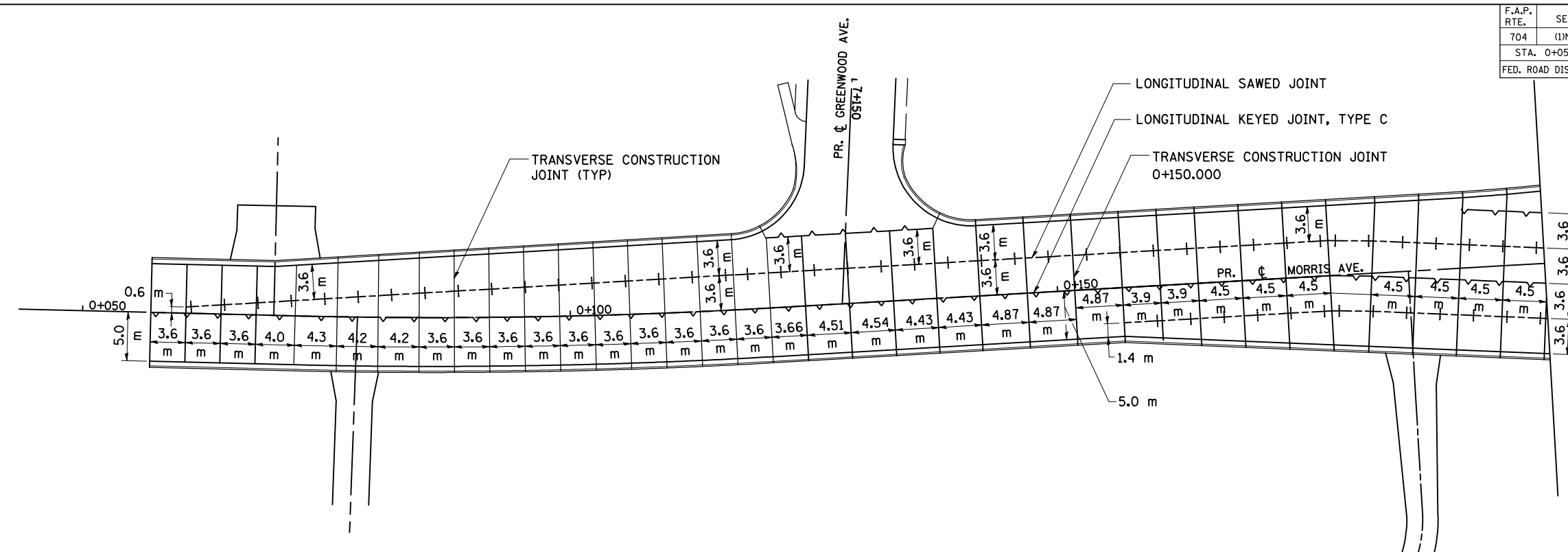
CONTRACT NO. 70514



SIX POINTS ROAD

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		PAVEMENT MARKING PLAN SIX POINTS ROAD 12 OF 12 DATE 03-31-09
		DRAWN BY SAM CHECKED BY PMH

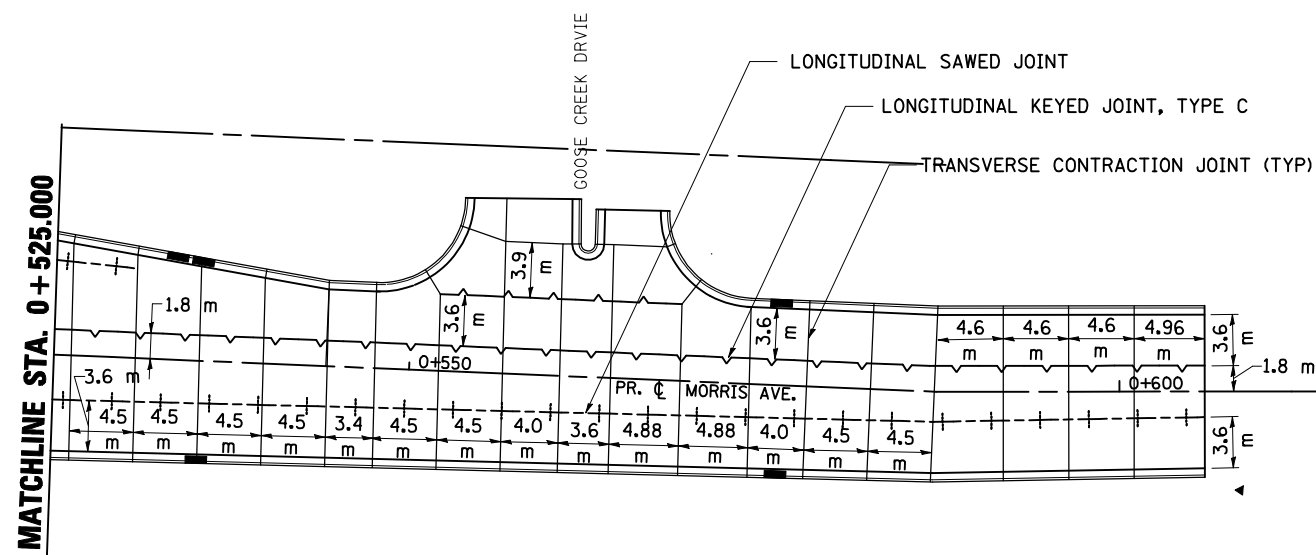
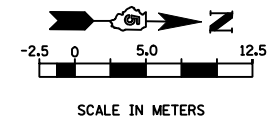
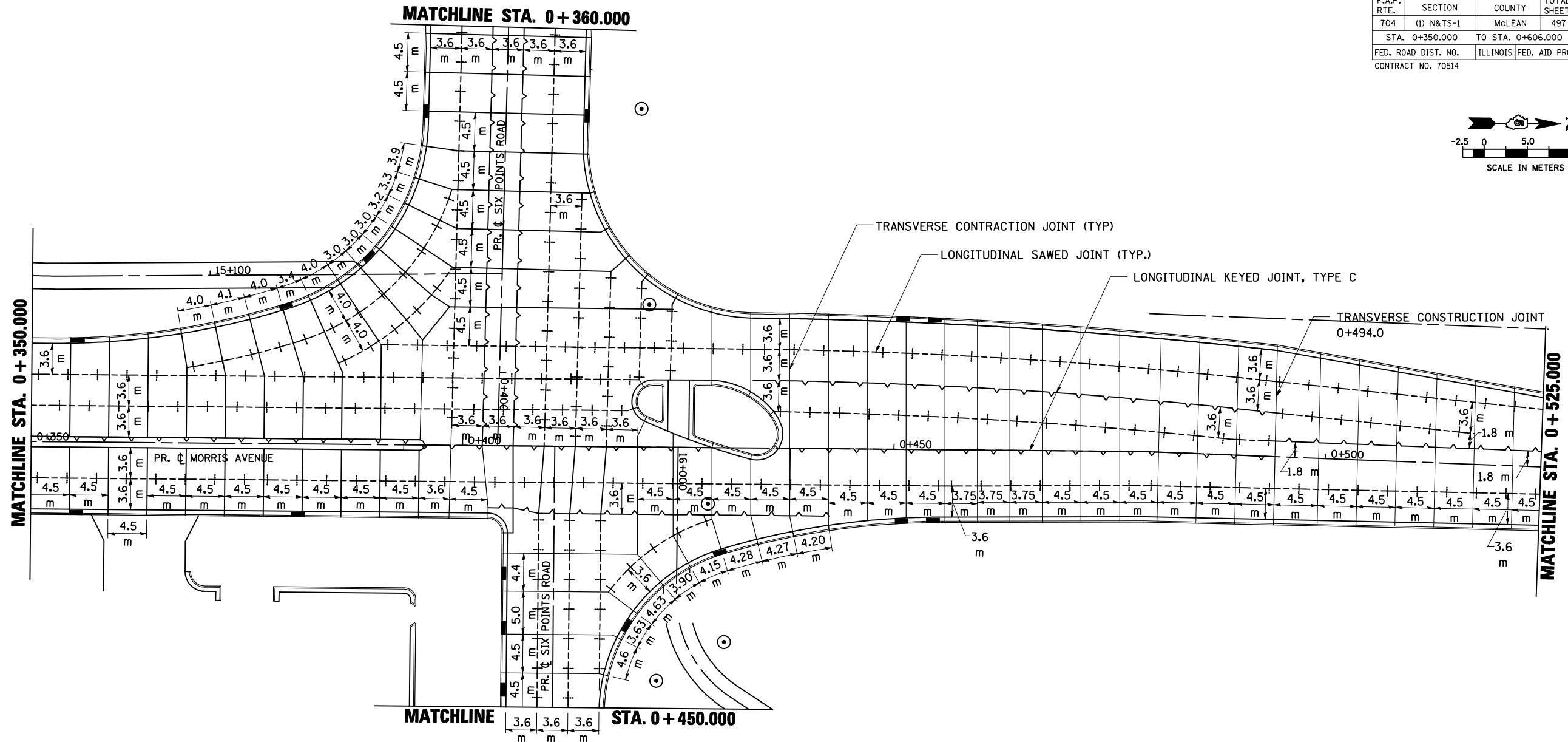
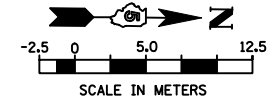
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(11N & TS-1)	McLEAN	497	238
STA. 0+057.000		TO STA. 0+350.000		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		CONTRACT NO. 70514	



REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		PAVEMENT JOINTING PLAN MORRIS AVENUE DRAWN BY SAM CHECKED BY PMH DATE 05-27-09

MORRIS AVENUE PAVEMENT JOINTING PLAN STA. 0+057.000 TO STA. 0+350.000

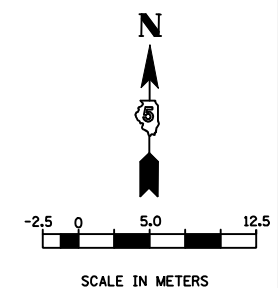
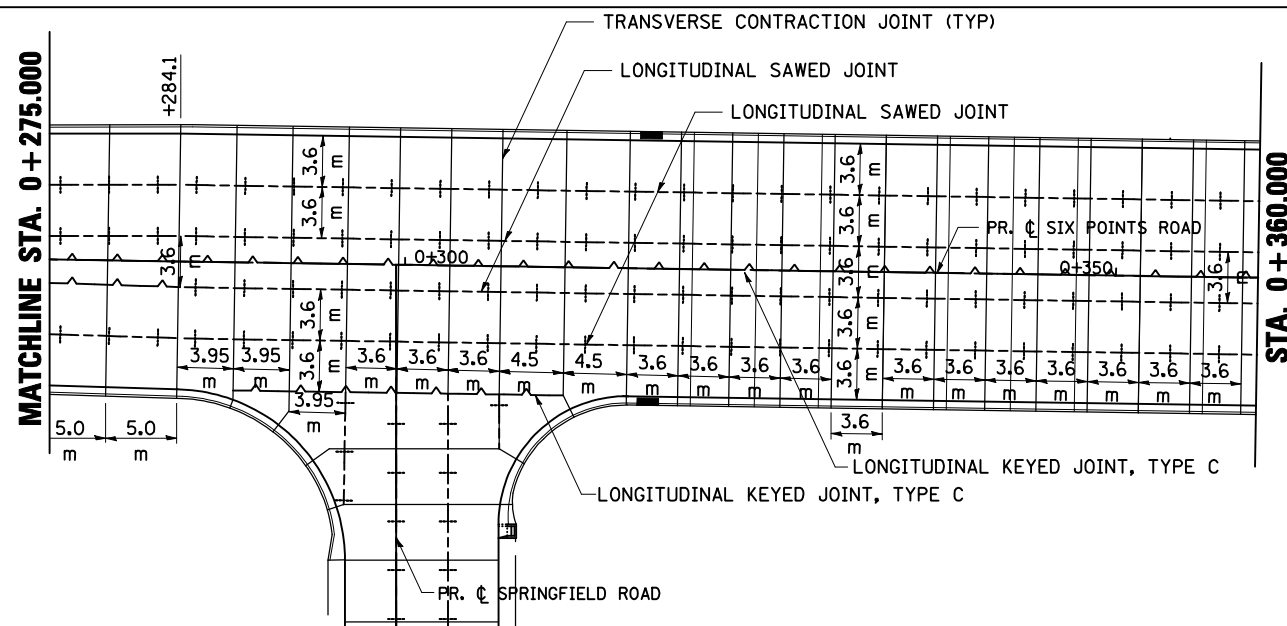
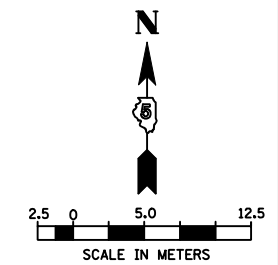
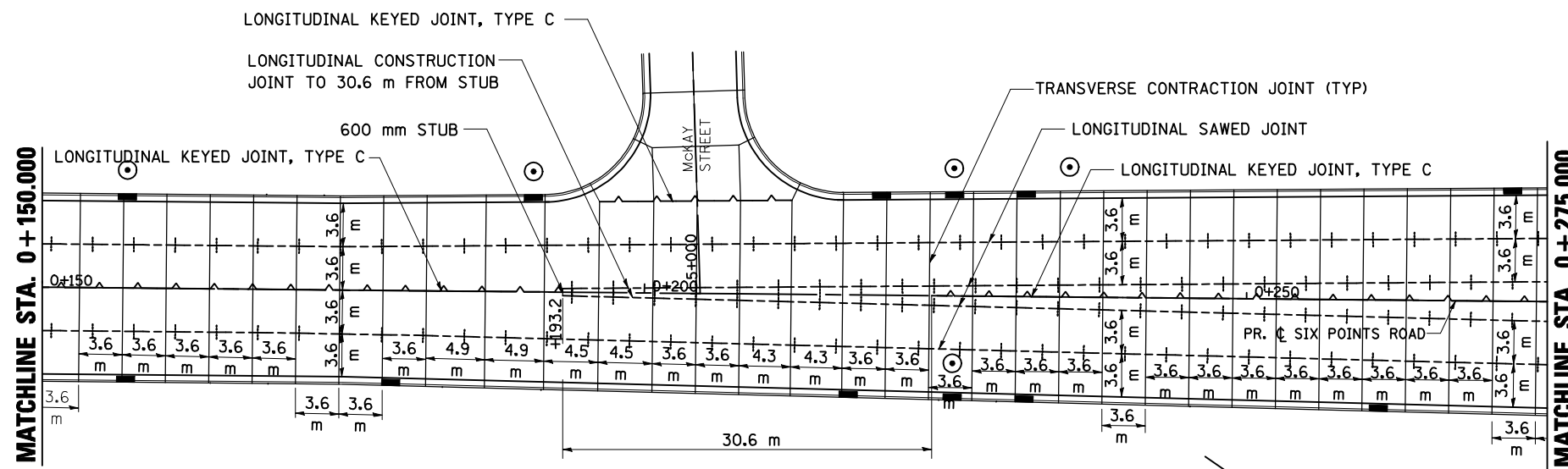
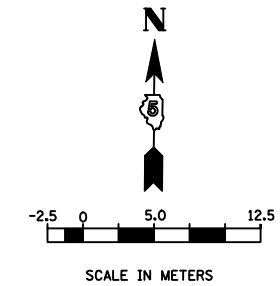
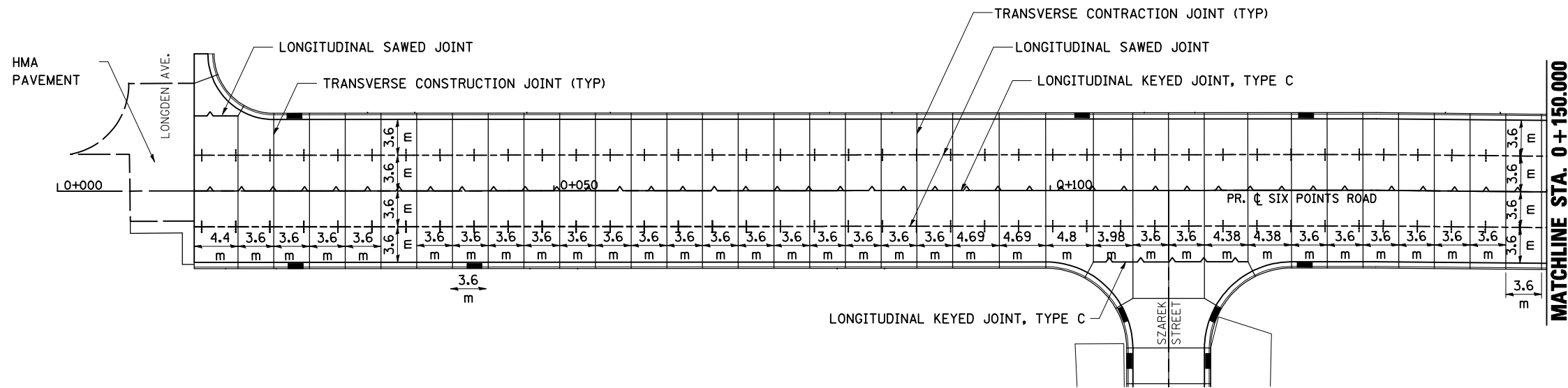
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1) N&TS-1	McLEAN	497	239
STA. 0+350.000		TO STA. 0+606.000		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 70514				



REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		PAVEMENT JOINTING PLAN MORRIS AVENUE DRAWN BY SAM CHECKED BY PMH DATE 05-27-09

MORRIS AVENUE PAVEMENT JOINTING PLAN STA. 0+350.000 TO STA. 0+606.000

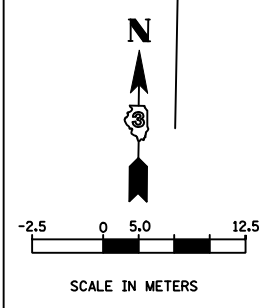
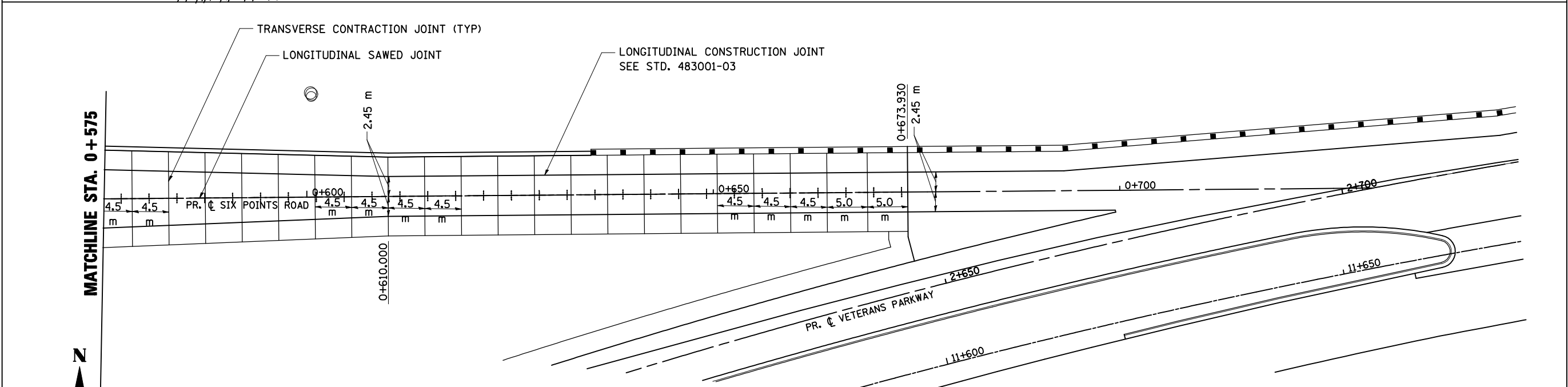
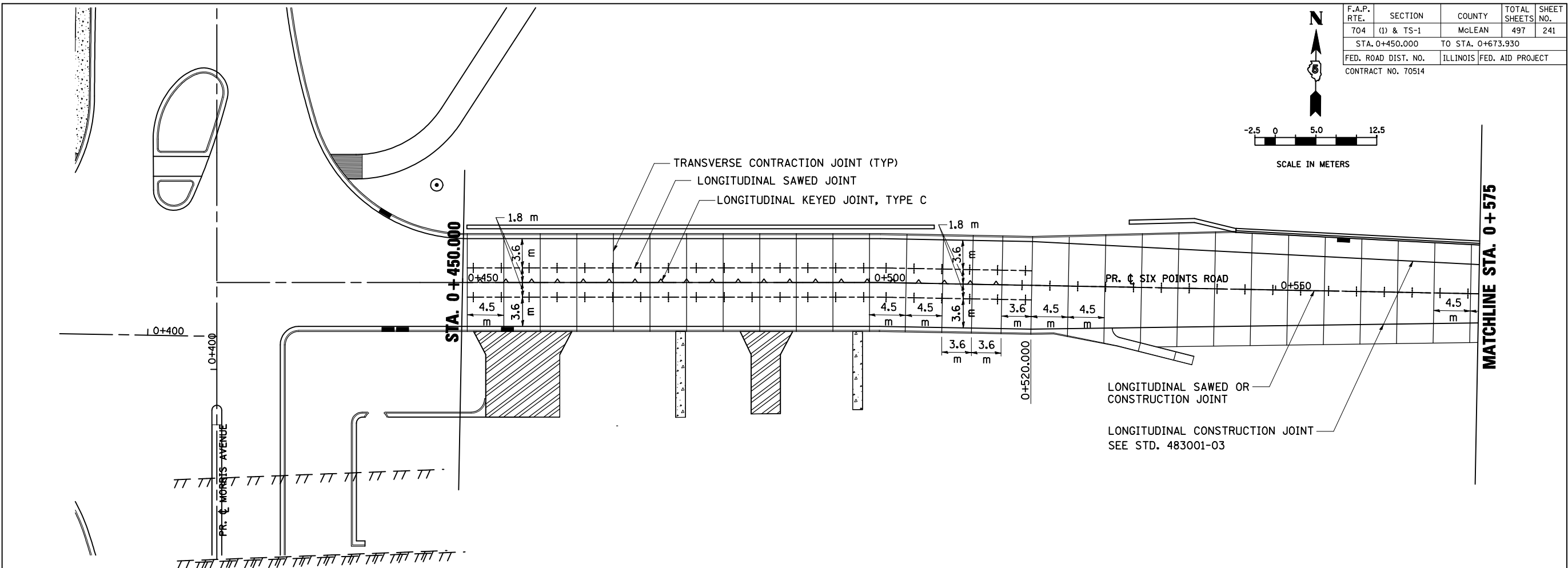
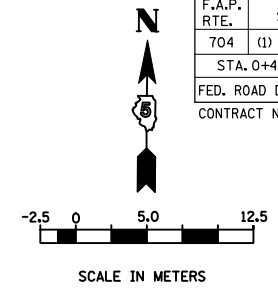
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLEAN	497	240
STA. 0+013.771		TO STA. 0+360.000		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 70514				



REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		PAVEMENT JOINTING PLAN SIX POINTS ROAD (WEST)
DATE 05-27-09		DRAWN BY SAM CHECKED BY PMH

SIX POINTS ROAD (WEST OF MORRIS AVE.) PAVEMENT JOINTING PLAN STA. 0+013.771 TO STA. 0+360.000

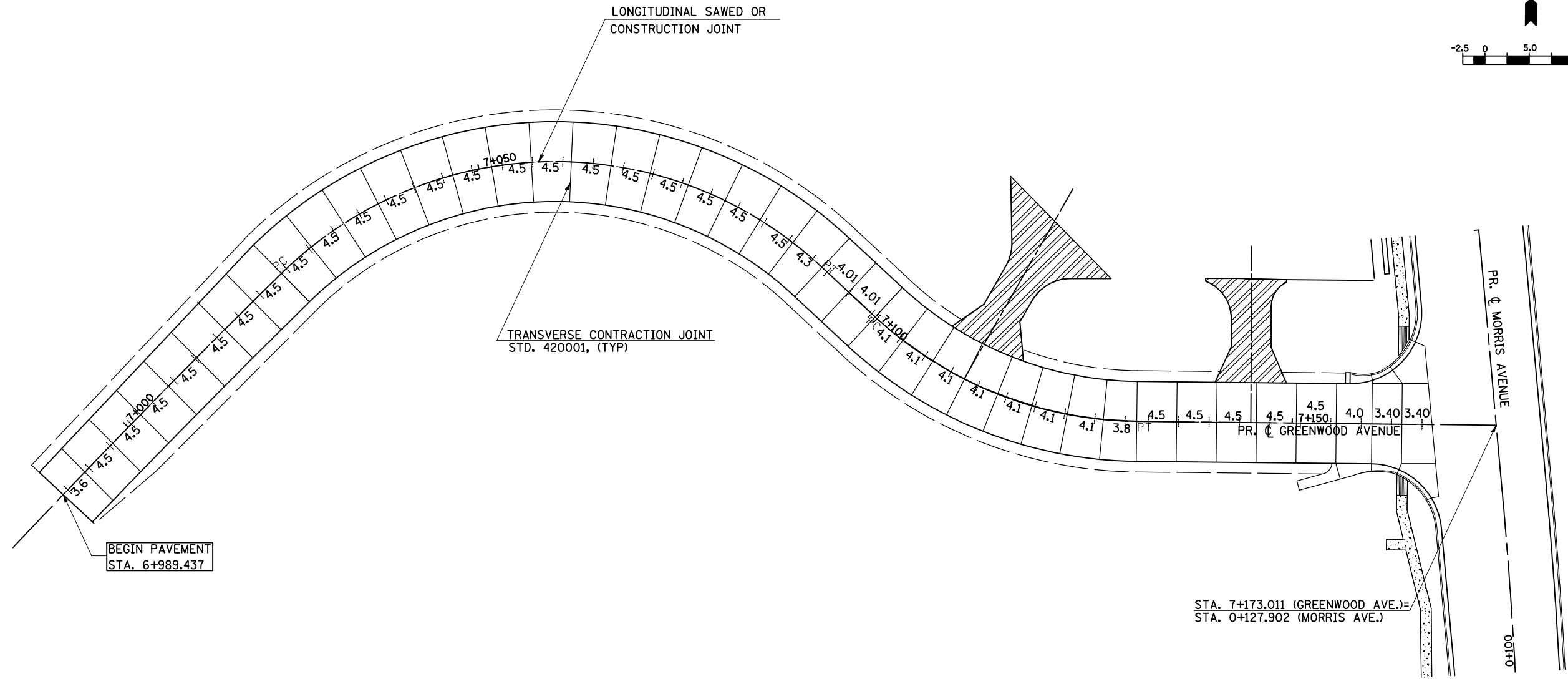
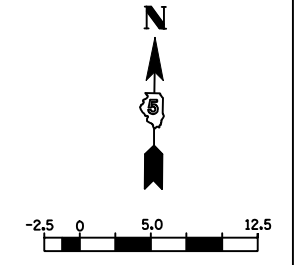
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1) & TS-1	McLEAN	497	241
STA. 0+450.000		TO STA. 0+673.930		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 70514				



REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		PAVEMENT JOINTING PLAN SIX POINTS ROAD (EAST)
DATE 05-27-09		DRAWN BY SAM CHECKED BY PMH

SIX POINTS ROAD (EAST OF MORRIS AVE.) PAVEMENT JOINTING PLAN STA. 0+450.000 TO STA. 0+673.930

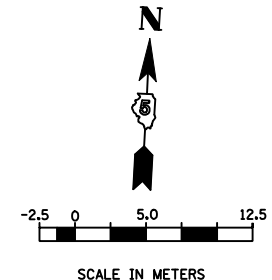
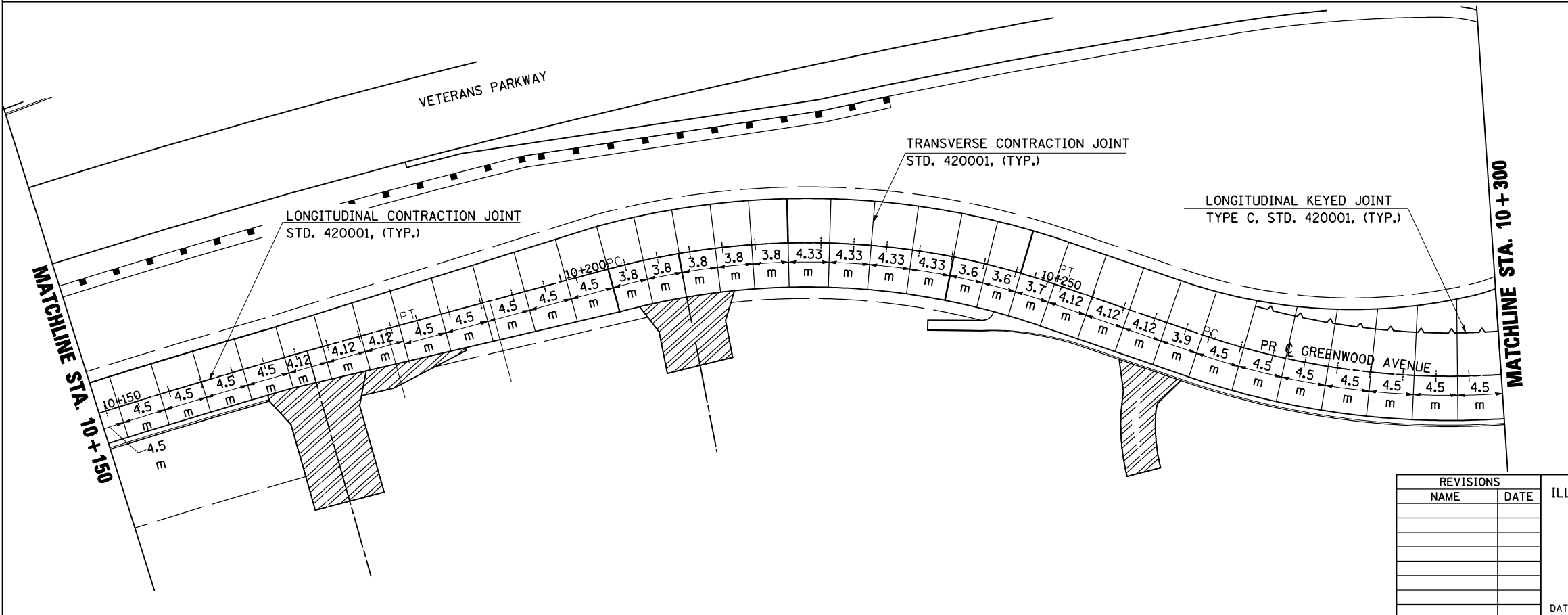
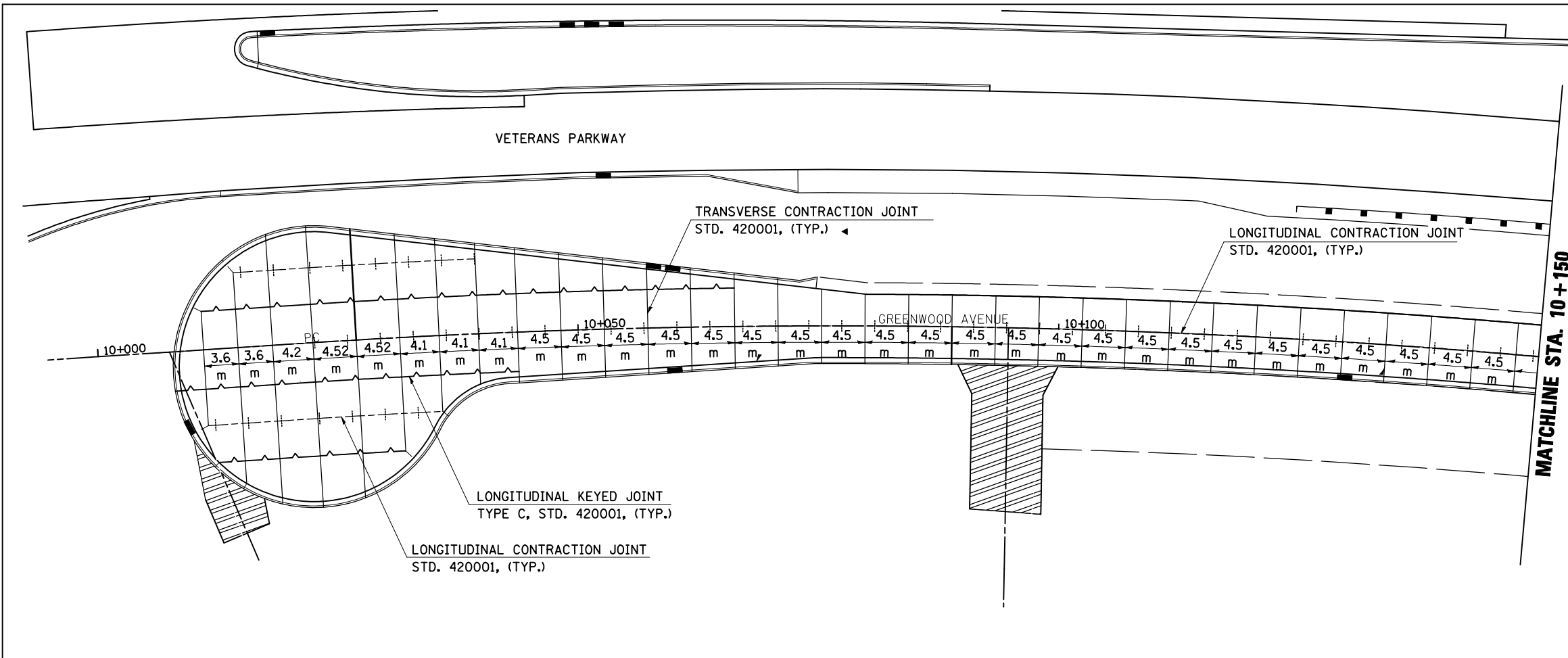
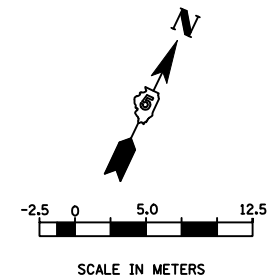
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLEAN	497	242
STA. 6+989.437		TO STA. 7+173.011		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 70514				



REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		PAVEMENT JOINTING PLAN GREENWOOD AVENUE (WEST)
		DRAWN BY SAM CHECKED BY PMH
		DATE 05-27-09

GREENWOOD AVENUE PAVEMENT JOINTING PLAN STA. 6 + 989.437 TO STA. 7 + 173.011

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLEAN	497	243
STA. 10+000.000		TO STA. 10+300.000		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		CONTRACT NO. 70514	



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

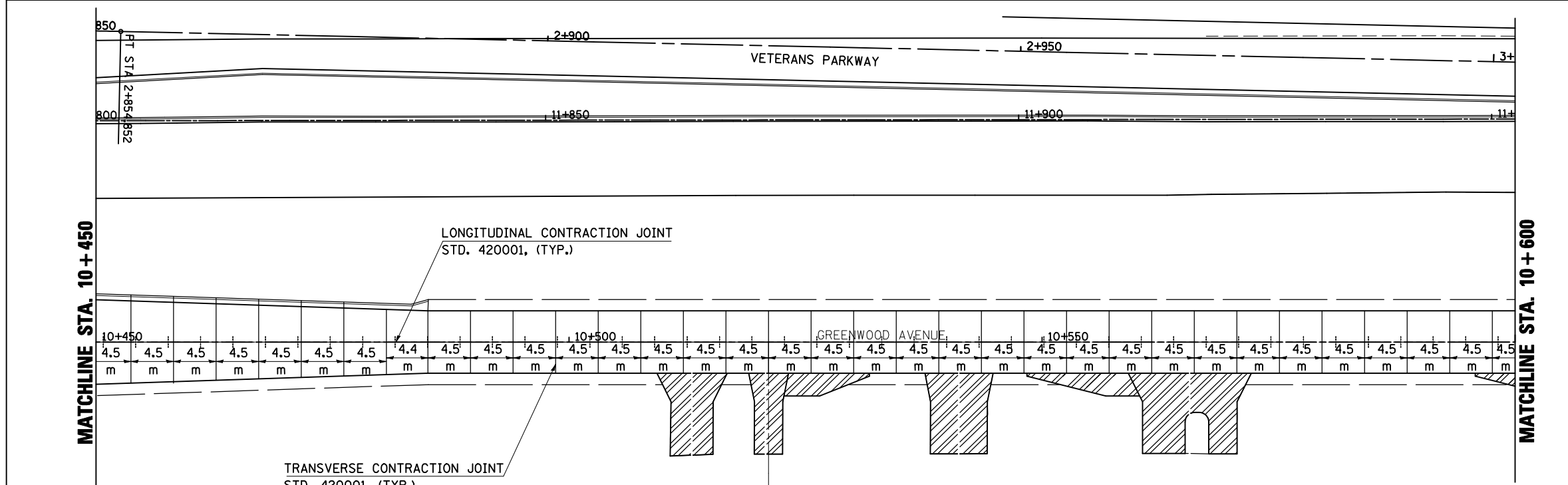
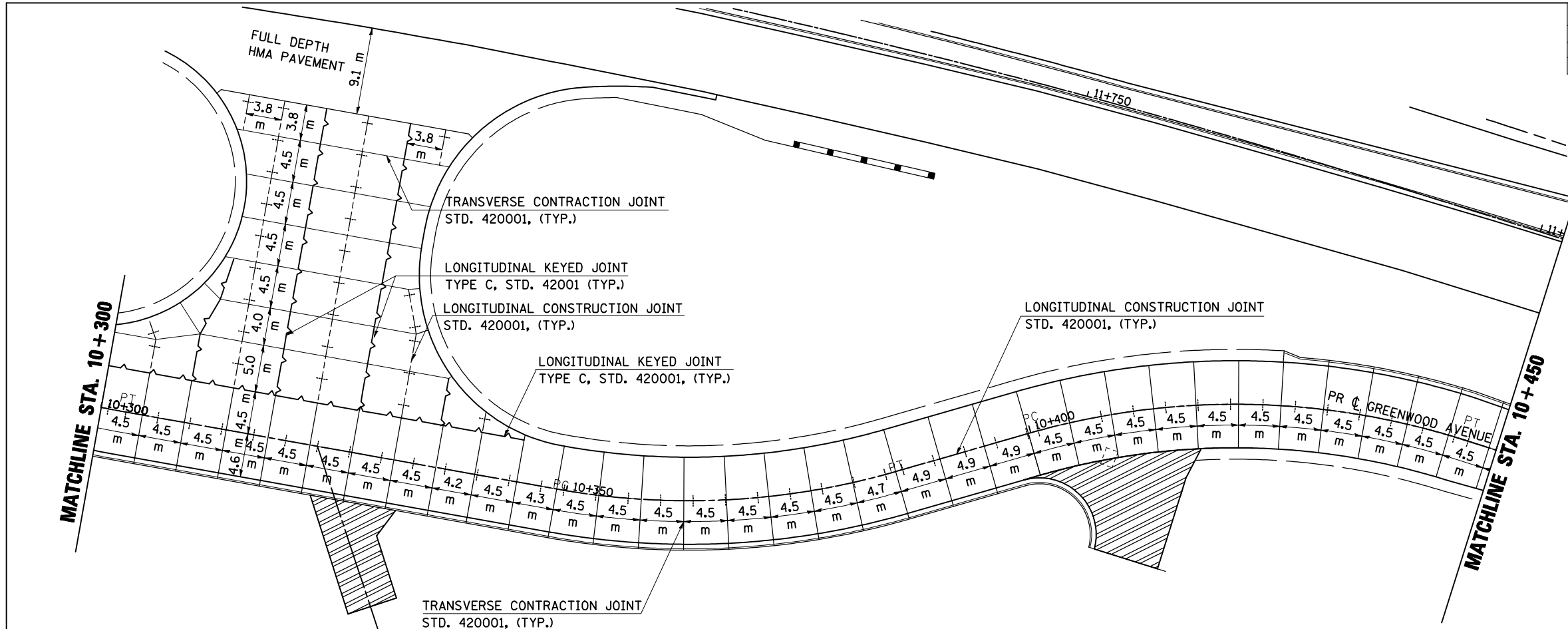
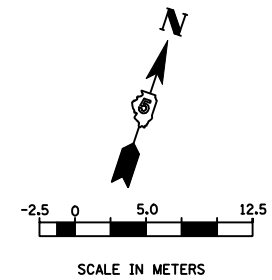
PAVEMENT JOINTING PLAN
GREENWOOD AVENUE (EAST)

DATE 05-27-09

DRAWN BY SAM
CHECKED BY PMH

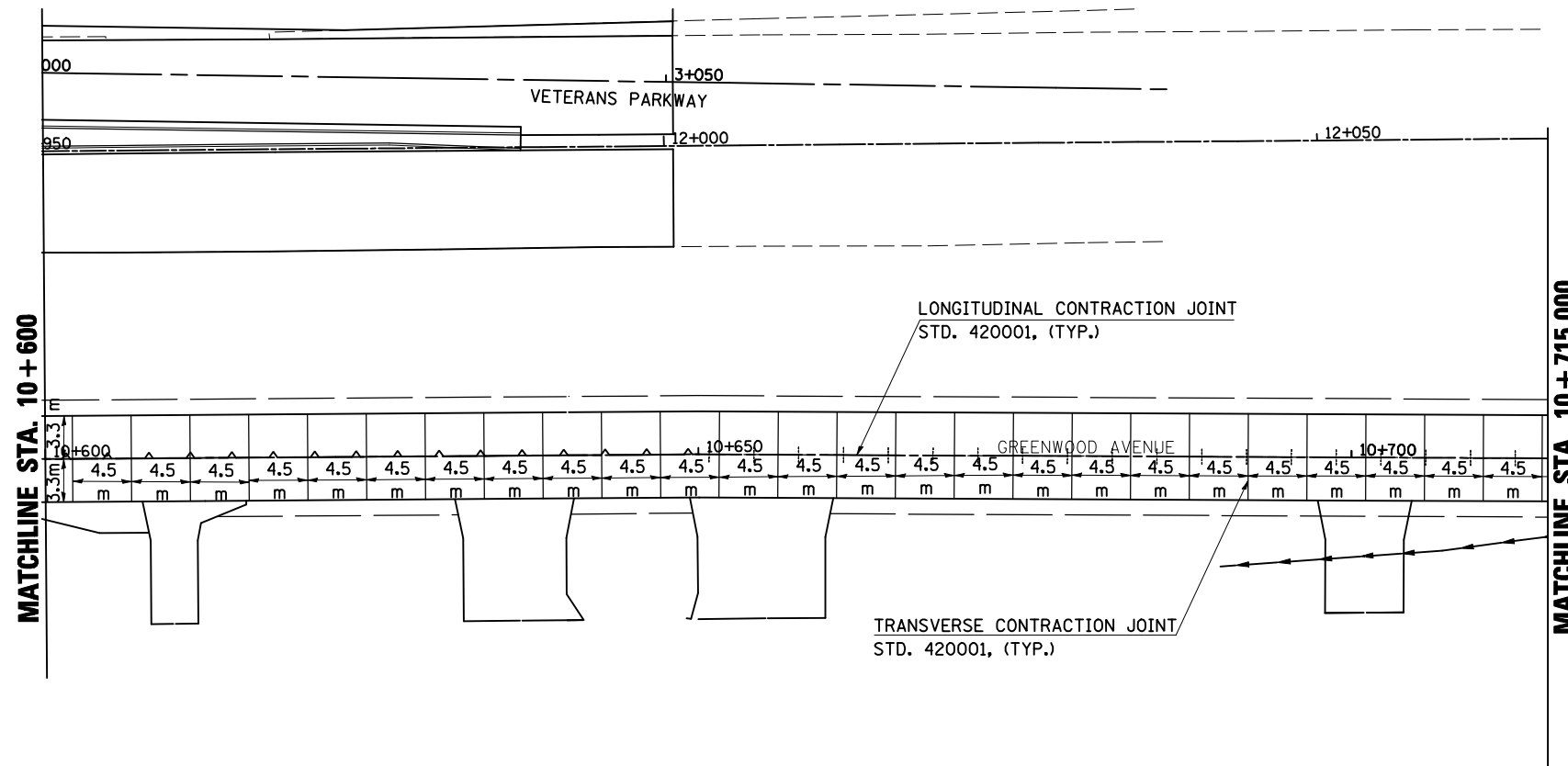
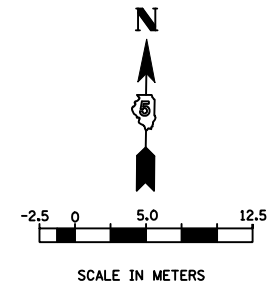
GREENWOOD AVENUE PAVEMENT JOINTING PLAN STA. 10+000.000 TO STA. 10+300.000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLEAN	497	244
STA. 10+300.000		TO STA. 10+600.000		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 70514				



GREENWOOD AVENUE PAVEMENT JOINTING PLAN STA. 10+300.000 TO STA. 10+600.000

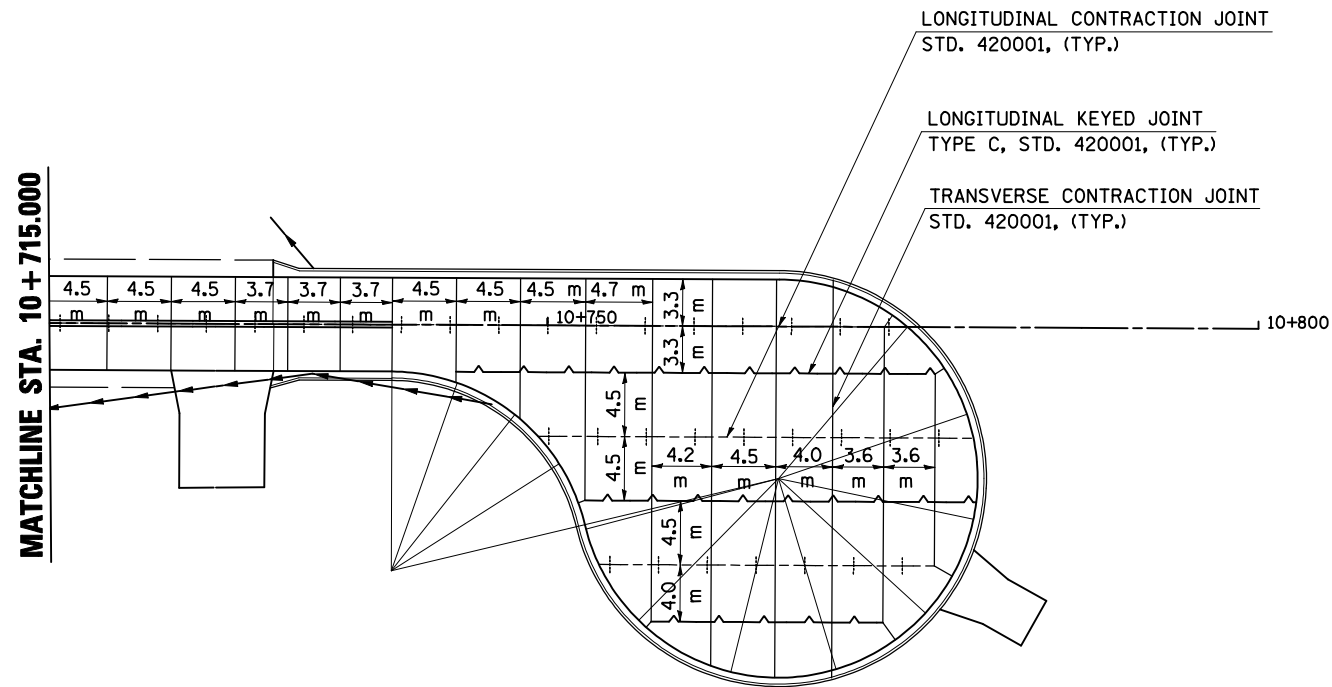
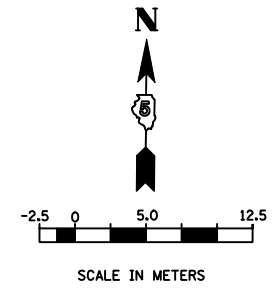
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLEAN	497	245
STA. 10+600.000		TO STA. 10+715.000		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 70514				



REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		PAVEMENT JOINTING PLAN GREENWOOD AVENUE (EAST)
DATE	05-27-09	DRAWN BY SAM CHECKED BY PMH

GREENWOOD AVENUE PAVEMENT JOINTING PLAN STA. 10 + 600.000 TO STA. 10 + 715.000

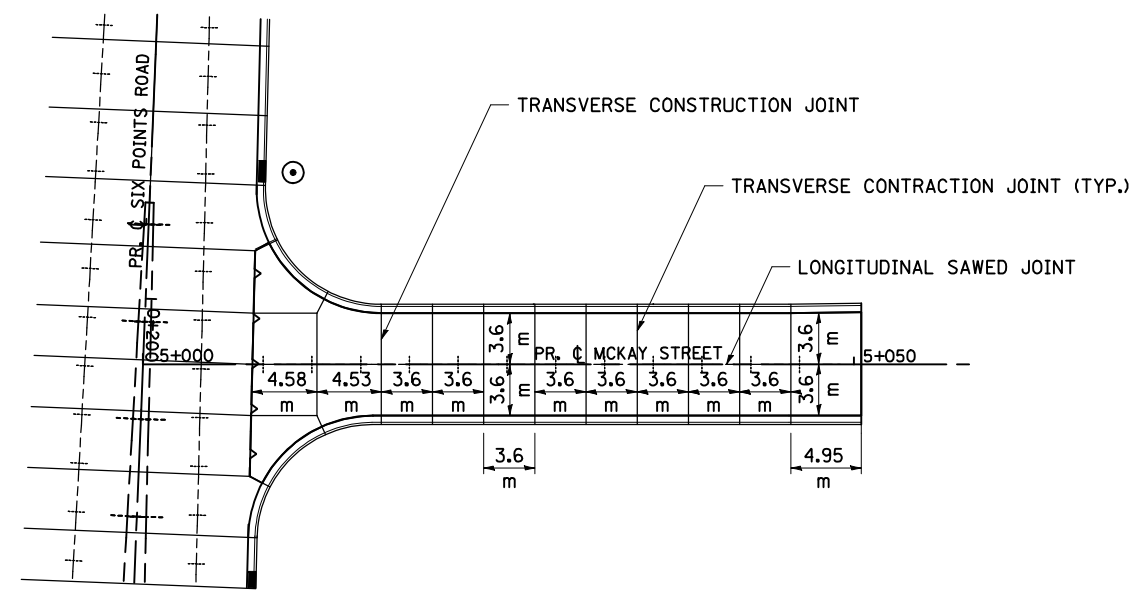
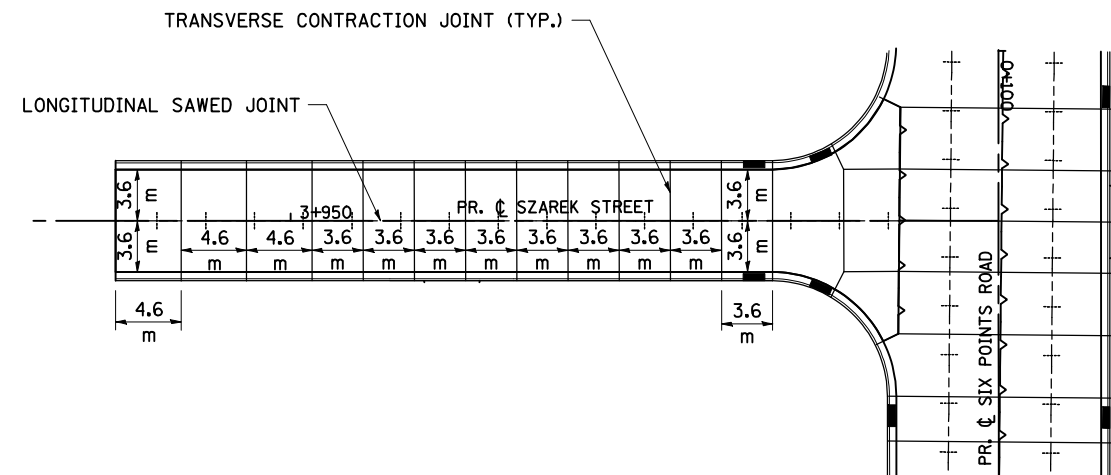
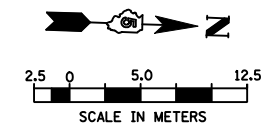
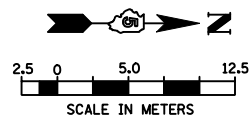
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLEAN	497	246
STA. 10+715.000		TO STA. 10+800.000		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		CONTRACT NO. 70514	



REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		PAVEMENT JOINTING PLAN GREENWOOD AVENUE (EAST)
		DRAWN BY SAM CHECKED BY PMH
		DATE 05-27-09

GREENWOOD AVENUE PAVEMENT JOINTING PLAN STA. 10+715.000 TO STA. 10+800.000

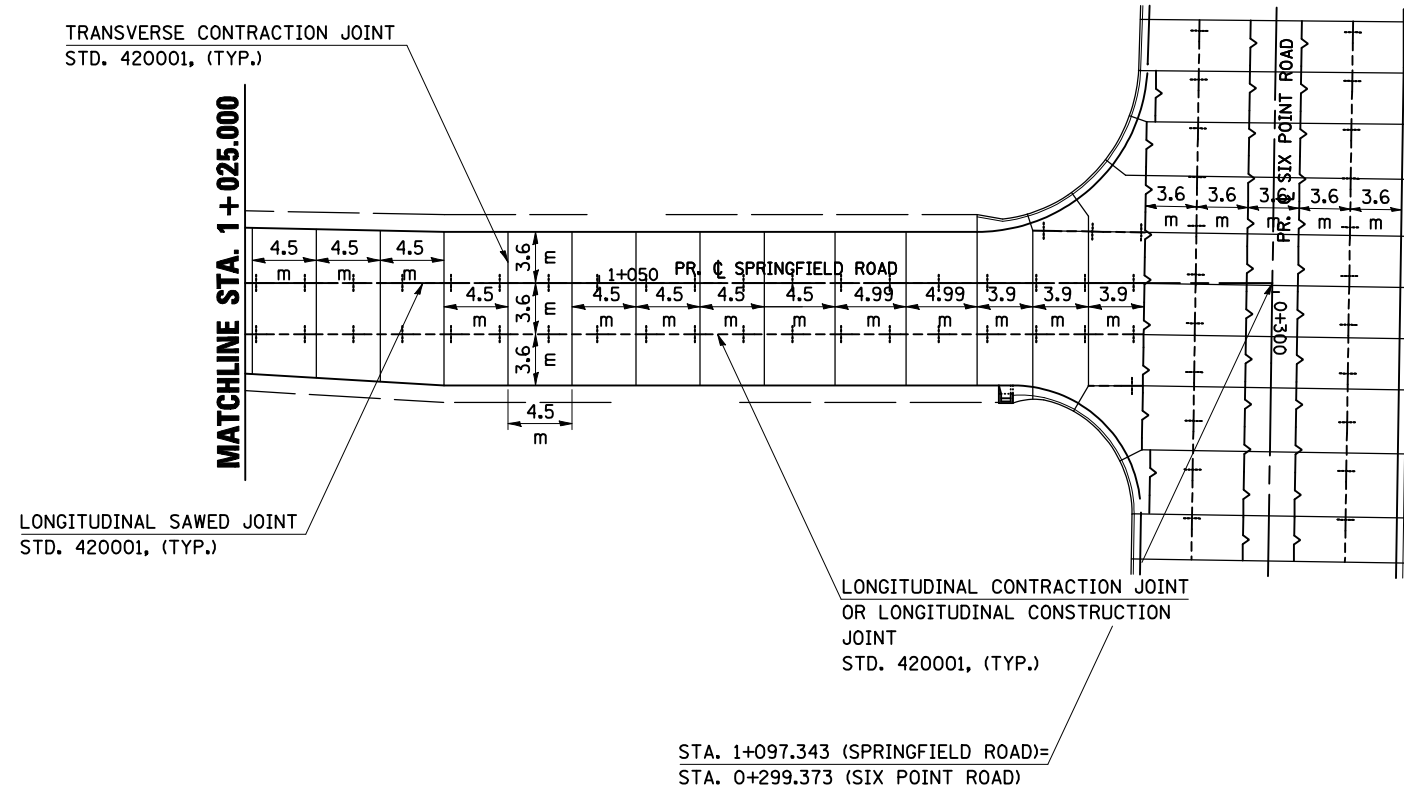
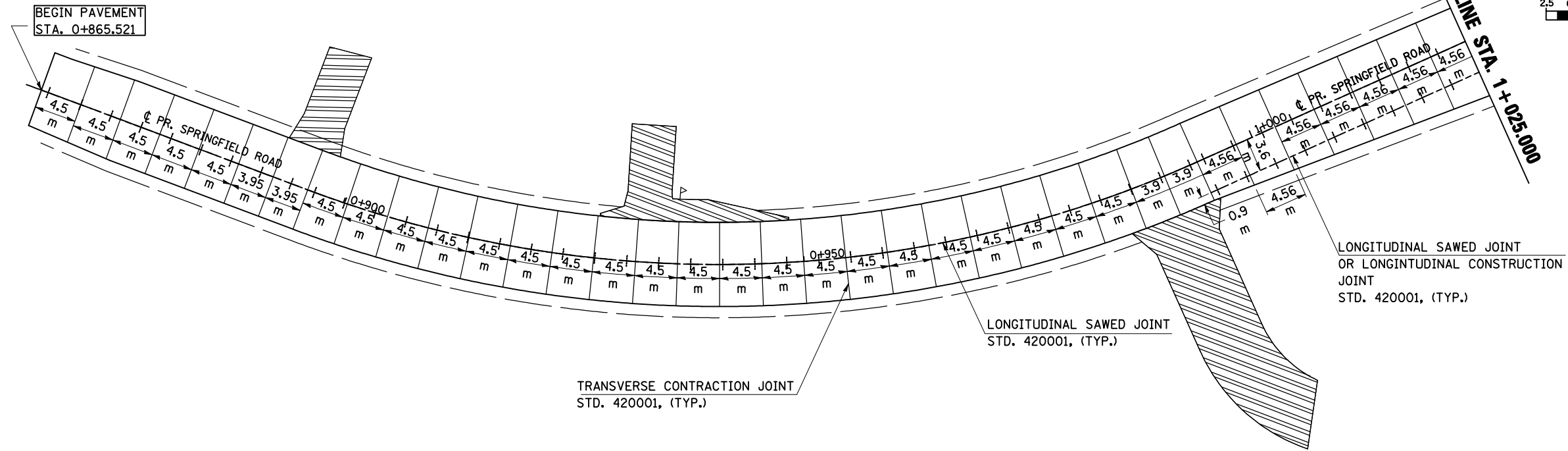
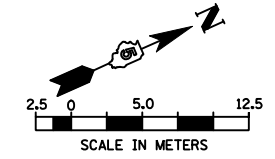
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLEAN	497	247
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 70514				



REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		PAVEMENT JOINTING PLAN SZAREK STREET MCKAY STREET DRAWN BY SAM CHECKED BY PMH DATE 05-27-09

SZAREK STREET /McKAY STREET PAVEMENT JOINTING PLAN

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLEAN	497	248
STA. 0+865.521		TO STA. 1+025.000		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 70514				

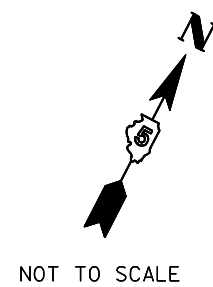
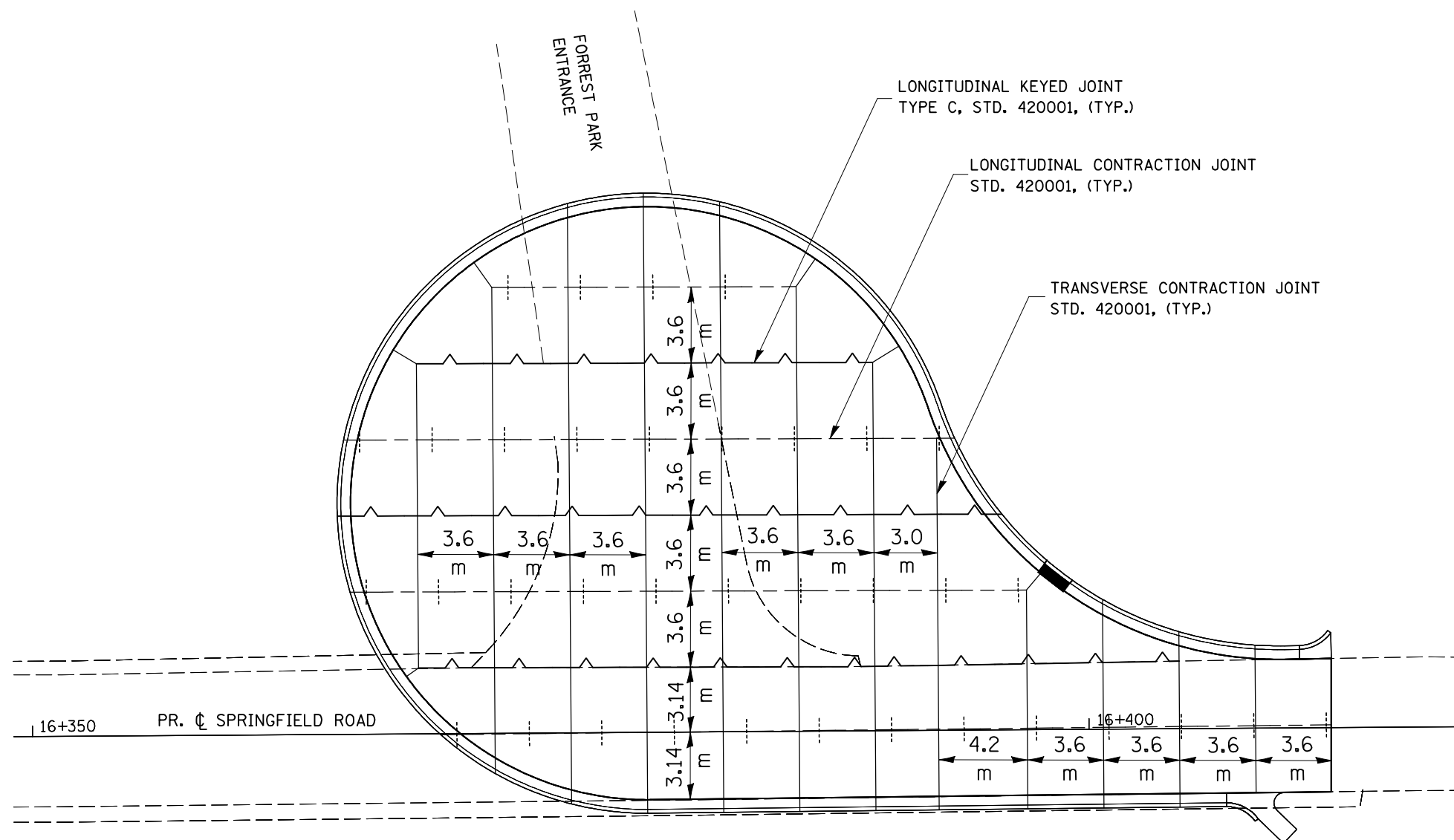


STA. 1+097.343 (SPRINGFIELD ROAD)=
STA. 0+299.373 (SIX POINT ROAD)

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		PAVEMENT JOINT PLANS SPRINGFIELD ROAD (WEST)
		DRAWN BY SAM CHECKED BY PMH
		DATE 05-27-09

SPRINGFIELD ROAD PAVEMENT JOINTING PLAN STA. 0+865.521 TO STA. 1+097.343

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(11N & TS-1)>>	McLEAN	497	249
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



PAVEMENT JOINTING NOTES:
 LONGITUDINAL CONTRACTION JOINTS AND
 TRANSVERSE CONTRACTION JOINTS MAY BE
 SUBSTITUTED DEPENDING ON POURING
 SEQUENCE.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		PAVEMENT JOINTING PLAN SPRINGFIELD ROAD (EAST) DRAWN BY RC CHECKED BY KJT

PLOT DATE = 8/4/2010
 FILE NAME = c:\pwwork\jpsdo\craigne\48215115\SP16springulde.dgn
 USER = craigne
 SCALE = 285.7474 m / H.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLean	497	250
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 70514

BILL OF MATERIALS - TRAFFIC SIGNALS

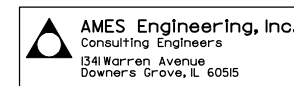
ITEM	UNIT	TOTAL QUANTITY	VETERANS PKWY. & MORRIS AVE	MORRIS AVE & SIX POINT RD	VETERANS PKWY. & GREENWOOD	INTERCONNECT
HANDHOLE	EACH	25	9	7	5	4
HEAVY-DUTY HANDHOLE	EACH	4	2	1	1	0
DOUBLE HANDHOLE	EACH	3	1	1	1	0
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL MASTER CONTROLLER	EACH	3	1	1	1	0
TRANSCEIVER - FIBER OPTIC	EACH	1	0	0	0	1
DRILL EXISTING HANDHOLE	EACH	0	0	0	0	3
DRILL EXISTING HANDHOLE	EACH	1	0	0	0	1
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	0	0	0	0	1
INDUCTIVE LOOP DETECTOR	EACH	51	22	17	12	0
PEDESTRIAN PUSH-BUTTON	EACH	53	18	22	13	0
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	7	3	4	0	0
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2	1	1	0	0
REMOVE EXISTING HANDHOLE	EACH	2	1	0	0	0
REMOVE EXISTING CONCRETE FOUNDATION	EACH	12	8	4	0	0
SIGN PANEL-TYPE 1	SQ M	12	8	4	0	0
SIGN PANEL-TYPE 2	SQ M	6	4	1	1	0
CONDUIT IN TRENCH, 50MM DIA., PVC	METER	9	2	4	3	0
CONDUIT IN TRENCH, 65MM DIA., PVC	METER	1467	233	224	222	788
CONDUIT IN TRENCH, 100MM DIA., PVC	METER	98	20	26	52	0
CONDUIT PUSHED, 50MM DIA., GALVANIZED STEEL	METER	62	44	14	4	0
CONDUIT PUSHED, 75MM DIA., GALVANIZED STEEL	METER	132	14	18	0	100
CONDUIT PUSHED, 100MM DIA., GALVANIZED STEEL	METER	137	51	35	51	0
TRENCH AND BACKFILL FOR ELECTRICAL WORK	METER	213	107	69	37	0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	METER	1777	357	321	311	788
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	METER	4883	1888	1985	1010	0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	METER	731	457	274	0	0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	METER	3706	1784	958	964	0
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	METER	486	105	285	96	0
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	METER	1018	368	342	308	0
TRAFFIC SIGNAL POST, GALVANIZED STEEL 3.0 METER	EACH	72	24	12	36	0
TRAFFIC SIGNAL POST, GALVANIZED STEEL 3.65 METER	EACH	2	2	0	0	0
TRAFFIC SIGNAL POST, GALVANIZED STEEL 4.85 METER	EACH	4	3	1	0	0
STEEL MAST ARM ASSEMBLY AND POLE, 6.09 METER	EACH	4	1	2	1	0
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 8.53 METER	EACH	1	0	0	1	0
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 14.63 METER	EACH	2	0	0	2	0
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 11.58 METER	EACH	1	0	1	0	0
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 12.19 METER	EACH	1	1	0	0	0
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 12.80 METER	EACH	1	0	1	0	0
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 13.41 METER	EACH	1	0	1	0	0
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 14.02 METER	EACH	1	1	0	0	0
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 15.24 METER	EACH	2	2	0	0	0
CONCRETE FOUNDATION, TYPE A	METER	12	7.2	3.6	1.2	0
CONCRETE FOUNDATION, TYPE D	METER	3.6	1.2	1.2	1.2	0
CONCRETE FOUNDATION, TYPE E, 600MM DIAMETER	METER	9	0	9	0	0
CONCRETE FOUNDATION, TYPE E, 750MM DIAMETER	METER	50.6	18.4	18.4	13.8	0
DETECTOR LOOP, TYPE I	METER	549	160	227	162	0
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	METER	4222	1308	1275	839	800
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	METER	3600	1700	600	300	1000
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	METER	610	265	164	181	0
SERVICE INSTALLATION - TYPE A	EACH	3	1	1	1	0
LIGHT POLE, WOOD, 1067 METERS, CLASS 3	EACH	3	1	1	1	0
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	30	12	9	9	0
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	7	5	1	1	0
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	0	0	0	0	0
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	1	0	1	0	0
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4	1	2	1	0
SIGNAL HEAD, LED, 2-FACE, 3 SECTION, BRACKET MOUNTED	EACH	3	1	2	0	0
SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	3	1	1	1	0
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8	4	4	0	0
LIGHT DETECTOR	EACH	6	2	2	2	0
LIGHT DETECTOR AMPLIFIER	EACH	3	1	1	1	0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 20 3/C TWISTED SHIELDED	METER	437	121	121	195	0
TRAFFIC SIGNAL BATTERY BACKUP SYSTEM	EACH	3	1	1	1	0

- EMERGENCY VEHICLE PREEMPTION (100% COST TO THE CITY OF BLOOMINGTON FIRE DEPARTMENT)

TS-01

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
TRAFFIC SIGNALS
SCALE: NONE
DATE: MARCH, 2009
DRAWN BY: RV
DESIGNED BY: AS/SM
CHECKED BY: MSA



\$FILES 10/14/2010 \$TIMES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLean	497	252
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS		FED. AID PROJECT	
CONTRACT NO. 70514				

TEMPORARY TRAFFIC SIGNAL LEGEND

- ⊗ TEMPORARY WOOD POLE
- ▲ TEMPORARY TRAFFIC SIGNAL HEAD WITH BACKPLATE
- ▲ TEMPORARY TRAFFIC SIGNAL HEAD WITH BACK PLATE SPAN WIRE MOUNTED (SECONDARY LOCATION)
- ⊗ GUY WIRE
- ⊗ TEMPORARY TRAFFIC SIGNAL CONTROLLER CABINET
- ⊗ TEMPORARY SERVICE INSTALLATION

EXISTING EQUIPMENT TO BE REMOVED LEGEND

- EXISTING SIGNAL HEAD TO BE REMOVED
- "E" ○ EXISTING SIGNAL POST AND FOUNDATION TO BE REMOVED
- "E" ○ EXISTING MAST ARM POLE AND FOUNDATION TO BE REMOVED
- "E" ⊗ EXISTING CONTROLLER TO BE REMOVED, FOUNDATION TO REMAIN
- "E" ⊗ EXISTING HANDHOLE TO BE REMOVED
- ⊗ EXISTING HANDHOLE TO BE REMAIN
- "E" ⊗ SIGNAL HEAD, PEDESTRIAN
- "E" ⊗ EXISTING JUNCTION BOX TO BE REMOVED
- ← EXISTING MAGNETIC DETECTOR TO BE REMOVED
- ▲ EMERGENCY VEHICLE LIGHT DETECTOR
- "E" ○ EXISTING PEDESTRIAN PUSHBUTTON TO BE REMOVED

TEMPORARY LIGHTING LEGEND

- ⊗ TEMPORARY LIGHTING CONTROLLER
- TEMPORARY SPAN WIRE, TETHER WIRE AND POWER CABLE
- 400W H.P.S. LUMINAIRE MOUNTED
- 3.5 m LONG MAST ARM ASSEMBLY
- EXISTING LIGHTING EQUIPMENT TO BE REMOVED

REMOVAL NOTES

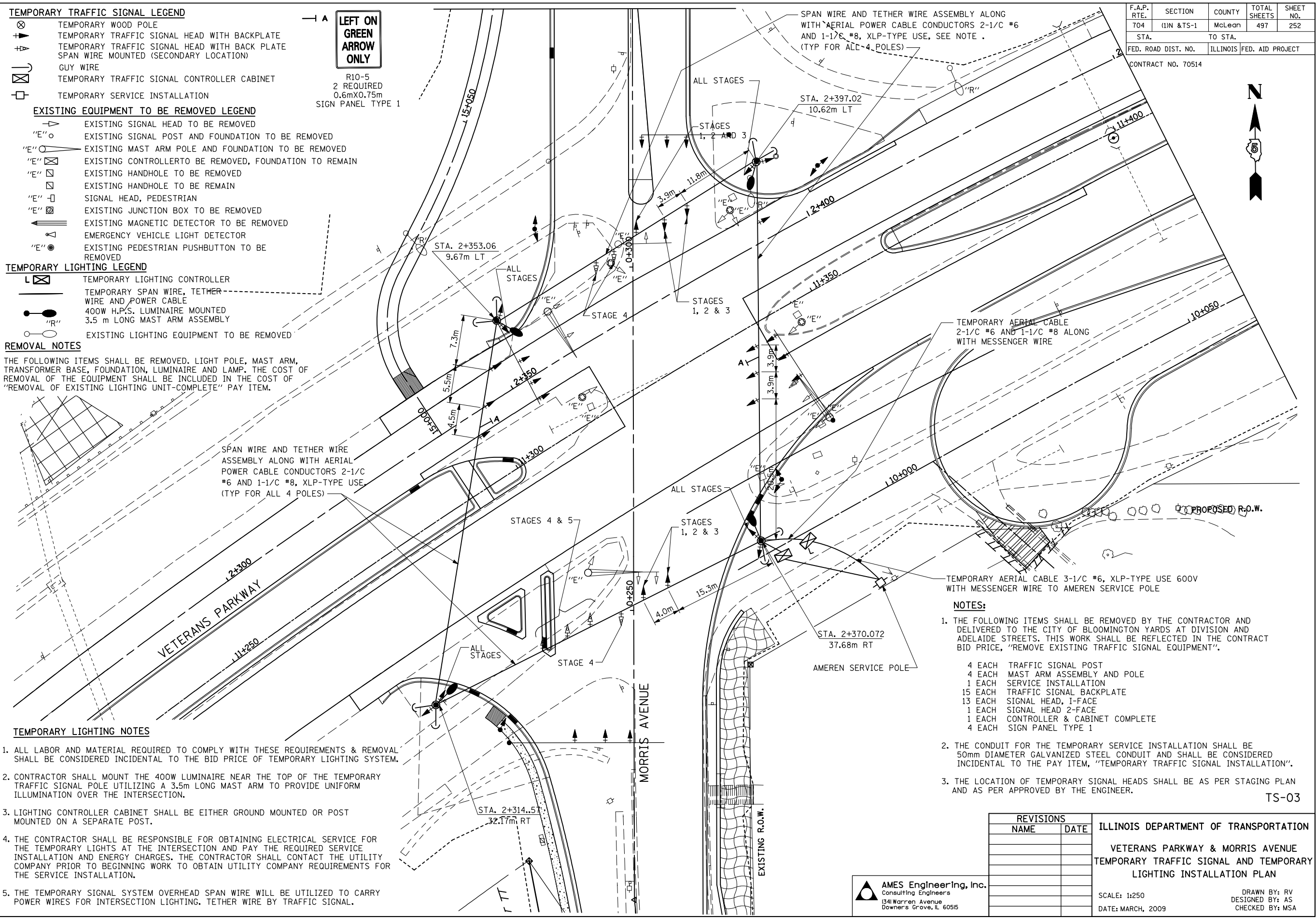
THE FOLLOWING ITEMS SHALL BE REMOVED. LIGHT POLE, MAST ARM, TRANSFORMER BASE, FOUNDATION, LUMINAIRE AND LAMP. THE COST OF REMOVAL OF THE EQUIPMENT SHALL BE INCLUDED IN THE COST OF "REMOVAL OF EXISTING LIGHTING UNIT-COMplete" PAY ITEM.

TEMPORARY LIGHTING NOTES

- ALL LABOR AND MATERIAL REQUIRED TO COMPLY WITH THESE REQUIREMENTS & REMOVAL SHALL BE CONSIDERED INCIDENTAL TO THE BID PRICE OF TEMPORARY LIGHTING SYSTEM.
- CONTRACTOR SHALL MOUNT THE 400W LUMINAIRE NEAR THE TOP OF THE TEMPORARY TRAFFIC SIGNAL POLE UTILIZING A 3.5m LONG MAST ARM TO PROVIDE UNIFORM ILLUMINATION OVER THE INTERSECTION.
- LIGHTING CONTROLLER CABINET SHALL BE EITHER GROUND MOUNTED OR POST MOUNTED ON A SEPARATE POST.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ELECTRICAL SERVICE FOR THE TEMPORARY LIGHTS AT THE INTERSECTION AND PAY THE REQUIRED SERVICE INSTALLATION AND ENERGY CHARGES. THE CONTRACTOR SHALL CONTACT THE UTILITY COMPANY PRIOR TO BEGINNING WORK TO OBTAIN UTILITY COMPANY REQUIREMENTS FOR THE SERVICE INSTALLATION.
- THE TEMPORARY SIGNAL SYSTEM OVERHEAD SPAN WIRE WILL BE UTILIZED TO CARRY POWER WIRES FOR INTERSECTION LIGHTING. TETHER WIRE BY TRAFFIC SIGNAL.

LEFT ON GREEN ARROW ONLY

R10-5
2 REQUIRED
0.6mX0.75m
SIGN PANEL TYPE 1



NOTES:

- THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND DELIVERED TO THE CITY OF BLOOMINGTON YARDS AT DIVISION AND ADELAIDE STREETS. THIS WORK SHALL BE REFLECTED IN THE CONTRACT BID PRICE, "REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT".
 - 4 EACH TRAFFIC SIGNAL POST
 - 4 EACH MAST ARM ASSEMBLY AND POLE
 - 1 EACH SERVICE INSTALLATION
 - 15 EACH TRAFFIC SIGNAL BACKPLATE
 - 13 EACH SIGNAL HEAD, 1-FACE
 - 1 EACH SIGNAL HEAD 2-FACE
 - 1 EACH CONTROLLER & CABINET COMPLETE
 - 4 EACH SIGN PANEL TYPE 1
- THE CONDUIT FOR THE TEMPORARY SERVICE INSTALLATION SHALL BE 50mm DIAMETER GALVANIZED STEEL CONDUIT AND SHALL BE CONSIDERED INCIDENTAL TO THE PAY ITEM, "TEMPORARY TRAFFIC SIGNAL INSTALLATION".
- THE LOCATION OF TEMPORARY SIGNAL HEADS SHALL BE AS PER STAGING PLAN AND AS PER APPROVED BY THE ENGINEER.

TS-03

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
VETERANS PARKWAY & MORRIS AVENUE
TEMPORARY TRAFFIC SIGNAL AND TEMPORARY
LIGHTING INSTALLATION PLAN

SCALE: 1:250
DATE: MARCH, 2009

DRAWN BY: RV
DESIGNED BY: AS
CHECKED BY: MSA

AMES Engineering, Inc.
Consulting Engineers
1341 Warren Avenue
Downers Grove, IL 60515

\$FILES 10/14/2010 \$TIMES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLean	497	254
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 70514

LEFT ON GREEN ARROW ONLY

R10-5
4 REQUIRED
0.6m X 0.75m
SIGN PANEL TYPE 1



PROPOSED TRAFFIC SIGNAL LEGEND

- CONTROLLER
- SERVICE INSTALLATION
- SIGNAL HEAD
- SIGNAL HEAD WITH BACK PLATE
- SIGNAL POST, GALVANIZED STEEL
- MAST ARM ASSEMBLY AND POLE, STEEL
- COMMON TRENCH
- HANDHOLE
- EXISTING HANDHOLE
- DOUBLE HANDHOLE
- PVC OR G.S. CONDUIT IN TRENCH OR PUSHED
- LENGTH "T" OR "P" SIZE AND TYPE
- COMBINATION LIGHTING UNIT, 400W HPS LUMINAIRE (SEE NOTE 2)
- SIGNAL HEAD, PEDESTRIAN
- DETECTOR LOOP
- EMERGENCY VEHICLE LIGHT DETECTOR

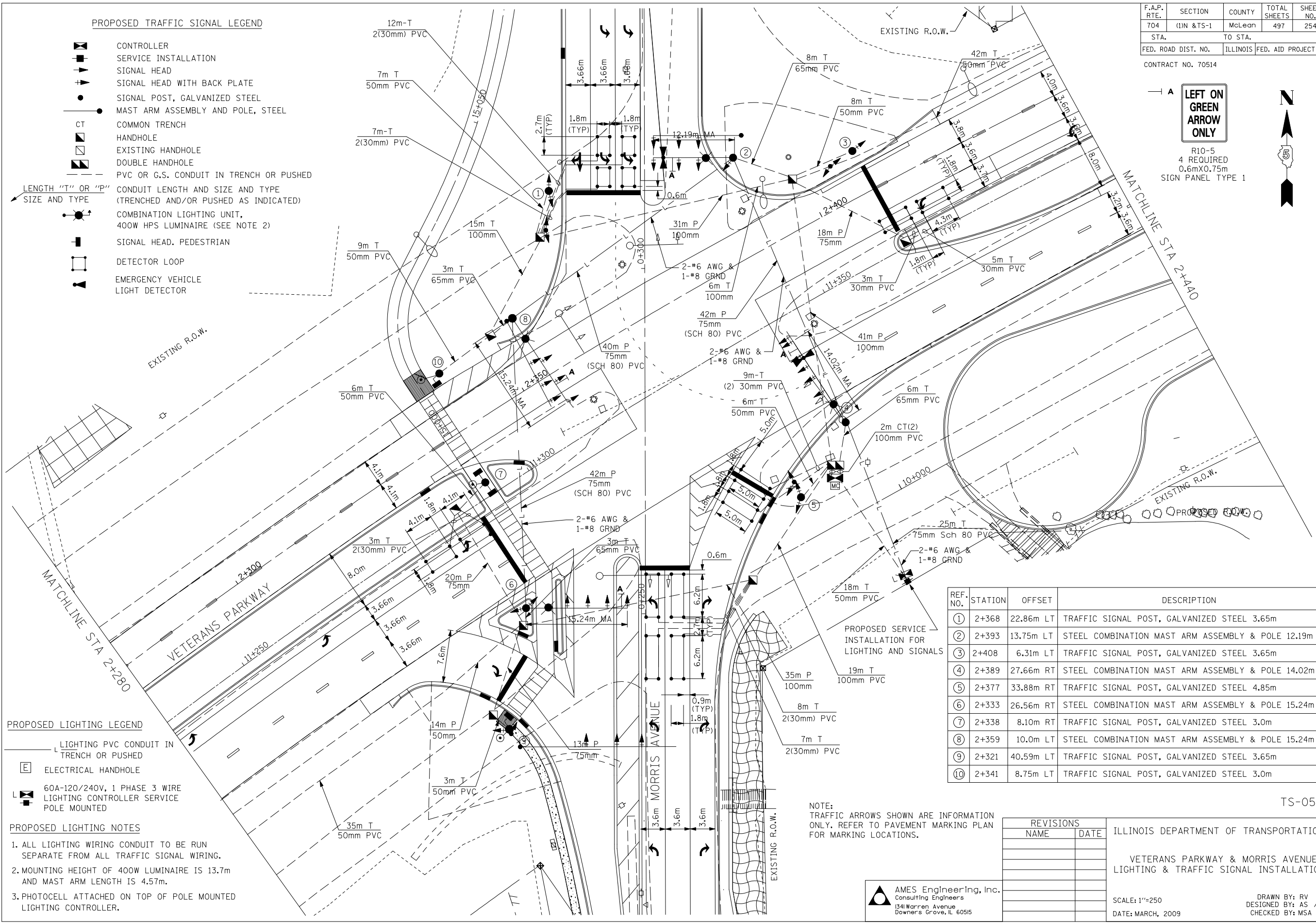
PROPOSED LIGHTING LEGEND

- LIGHTING PVC CONDUIT IN TRENCH OR PUSHED
- ELECTRICAL HANDHOLE
- 60A-120/240V, 1 PHASE 3 WIRE LIGHTING CONTROLLER SERVICE POLE MOUNTED

PROPOSED LIGHTING NOTES

1. ALL LIGHTING WIRING CONDUIT TO BE RUN SEPARATE FROM ALL TRAFFIC SIGNAL WIRING.
2. MOUNTING HEIGHT OF 400W LUMINAIRE IS 13.7m AND MAST ARM LENGTH IS 4.57m.
3. PHOTOCELL ATTACHED ON TOP OF POLE MOUNTED LIGHTING CONTROLLER.

\$FILES 10/14/2010 \$TIMES



REF. NO.	STATION	OFFSET	DESCRIPTION
①	2+368	22.86m LT	TRAFFIC SIGNAL POST, GALVANIZED STEEL 3.65m
②	2+393	13.75m LT	STEEL COMBINATION MAST ARM ASSEMBLY & POLE 12.19m
③	2+408	6.31m LT	TRAFFIC SIGNAL POST, GALVANIZED STEEL 3.65m
④	2+389	27.66m RT	STEEL COMBINATION MAST ARM ASSEMBLY & POLE 14.02m
⑤	2+377	33.88m RT	TRAFFIC SIGNAL POST, GALVANIZED STEEL 4.85m
⑥	2+333	26.56m RT	STEEL COMBINATION MAST ARM ASSEMBLY & POLE 15.24m
⑦	2+338	8.10m RT	TRAFFIC SIGNAL POST, GALVANIZED STEEL 3.0m
⑧	2+359	10.0m LT	STEEL COMBINATION MAST ARM ASSEMBLY & POLE 15.24m
⑨	2+321	40.59m LT	TRAFFIC SIGNAL POST, GALVANIZED STEEL 3.65m
⑩	2+341	8.75m LT	TRAFFIC SIGNAL POST, GALVANIZED STEEL 3.0m

NOTE:
TRAFFIC ARROWS SHOWN ARE INFORMATION ONLY. REFER TO PAVEMENT MARKING PLAN FOR MARKING LOCATIONS.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
VETERANS PARKWAY & MORRIS AVENUE
LIGHTING & TRAFFIC SIGNAL INSTALLATION

SCALE: 1"=250
DATE: MARCH, 2009

DRAWN BY: RV
DESIGNED BY: AS /SM
CHECKED BY: MSA

AMES Engineering, Inc.
Consulting Engineers
1341 Warren Avenue
Downers Grove, IL 60515

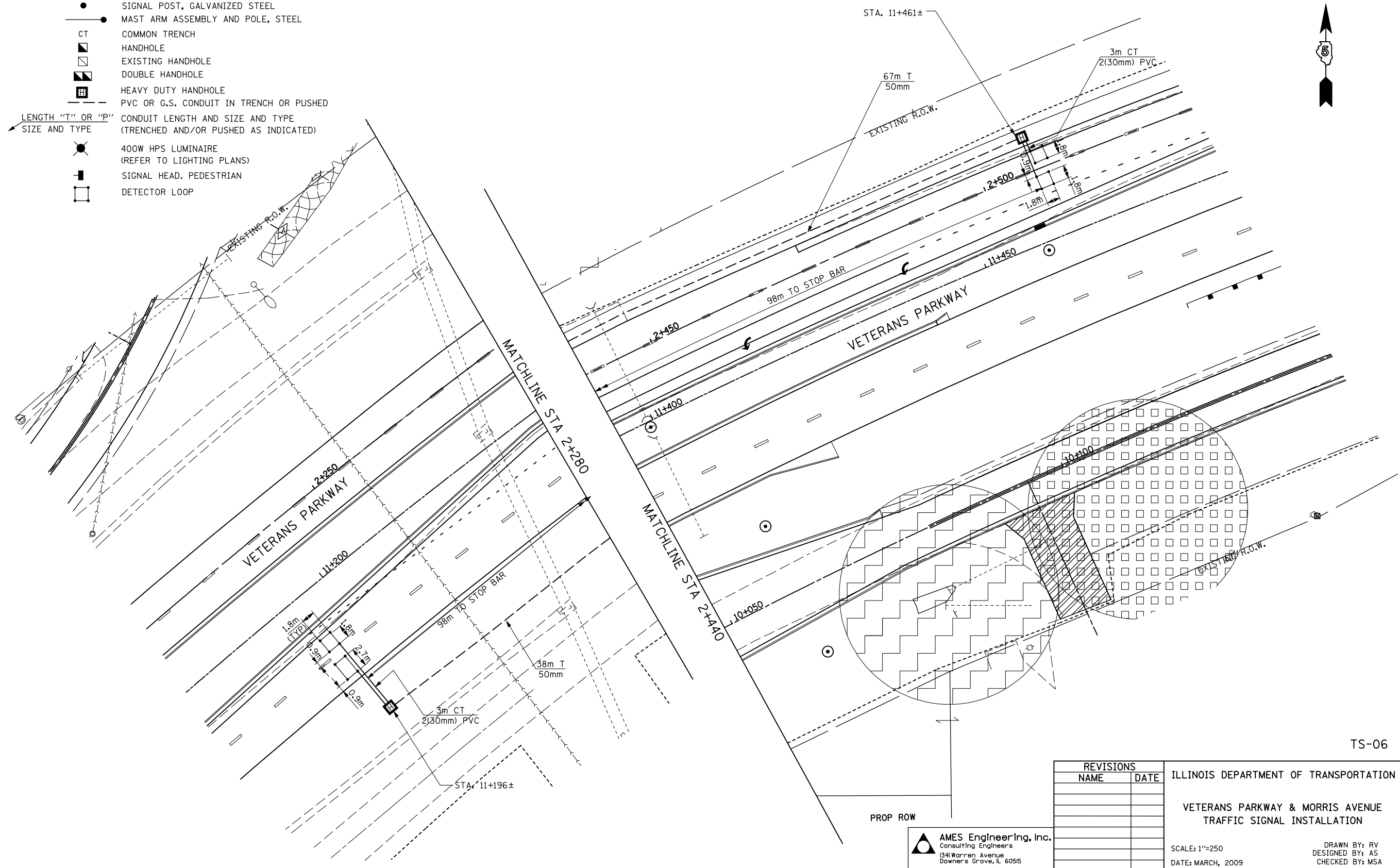
TS-05

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLean	497	255
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 70514

PROPOSED TRAFFIC SIGNAL LEGEND

- CONTROLLER LOCATED ON EXISTING FOUNDATION
- SERVICE INSTALLATION
- SIGNAL HEAD
- SIGNAL HEAD WITH BACK PLATE
- SIGNAL POST, GALVANIZED STEEL
- MAST ARM ASSEMBLY AND POLE, STEEL
- COMMON TRENCH
- HANDHOLE
- EXISTING HANDHOLE
- DOUBLE HANDHOLE
- HEAVY DUTY HANDHOLE
- PVC OR G.S. CONDUIT IN TRENCH OR PUSHED
- LENGTH "T" OR "P" SIZE AND TYPE CONDUIT LENGTH AND SIZE AND TYPE (TRENCHED AND/OR PUSHED AS INDICATED)
- 400W HPS LUMINAIRE (REFER TO LIGHTING PLANS)
- SIGNAL HEAD, PEDESTRIAN
- DETECTOR LOOP



\$FILES 10/14/2010 \$TIMES

TS-06

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		VETERANS PARKWAY & MORRIS AVENUE TRAFFIC SIGNAL INSTALLATION

AMES Engineering, Inc.
Consulting Engineers
1341 Warren Avenue
Downers Grove, IL 60515

SCALE: 1"=250
DATE: MARCH, 2009

DRAWN BY: RV
DESIGNED BY: AS
CHECKED BY: MSA

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLean	497	256
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 70514

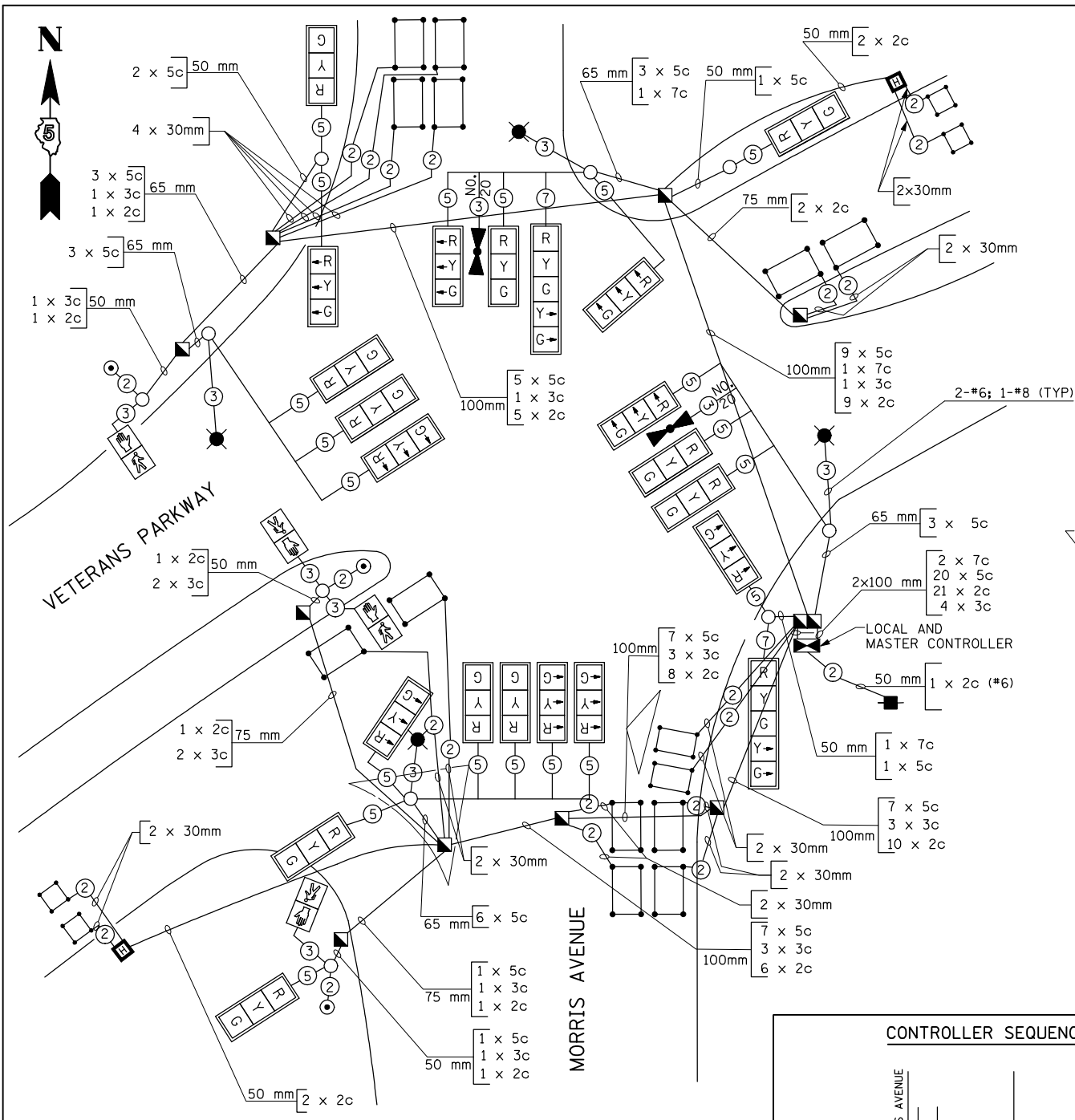
BILL OF MATERIALS

ITEM	UNIT	QNTY.
HANDHOLE	EACH	9
HEAVY DUTY HANDHOLE	EACH	2
DOUBLE HANDHOLE	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	1
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	22
INDUCTIVE LOOP DETECTOR	EACH	18
PEDESTRIAN PUSH-BUTTON	EACH	3
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	8
REMOVE EXISTING CONCRETE FOUNDATION	EACH	8
SIGN PANEL TYPE I	SQ M	4
SIGN PANEL TYPE II	SQ M	2
CONDUIT IN TRENCH, 50MM DIA., PVC	METER	233
CONDUIT IN TRENCH, 65MM DIA., PVC	METER	20
CONDUIT IN TRENCH, 100MM DIA., PVC	METER	44
CONDUIT PUSHED, 50MM DIA., GALVANIZED STEEL	METER	14
CONDUIT PUSHED, 75MM DIA., GALVANIZED STEEL	METER	51
CONDUIT PUSHED, 100MM DIA., GALVANIZED STEEL	METER	107
TRENCH AND BACKFILL FOR ELECTRICAL WORK	METER	357
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	METER	1888
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	METER	457
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	METER	1784
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	METER	105
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	METER	368
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	METER	24
TRAFFIC SIGNAL POST, GALVANIZED STEEL 3.0 METER	EACH	2
TRAFFIC SIGNAL POST, GALVANIZED STEEL 3.65 METER	EACH	3
TRAFFIC SIGNAL POST, GALVANIZED STEEL 4.85 METER	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 12.19 METER	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 14.02 METER	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 15.24 METER	EACH	2
CONCRETE FOUNDATION, TYPE A	METER	7.2
CONCRETE FOUNDATION, TYPE D	METER	1.2
CONCRETE FOUNDATION, TYPE E, 750MM DIAMETER	METER	18.4
DETECTOR LOOP, TYPE I	METER	111
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1/C	METER	1308
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125 MM12F & SM12F	METER	1700
ELECTRIC CABLE IN CONDUIT, GROUNDING NO. 6 1C	METER	265
SERVICE INSTALLATION, TYPE A	EACH	1
LIGHT POLE, WOOD, 10.67 METERS, CLASS 3	EACH	1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	12
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	5
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	1
SIGNAL HEAD, LED, 2-FACE, 2-3 SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	1
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 20 3C TWISTED SHIELDED	EACH	121
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED W/CDT	EACH	4
BATTERY BACKUP	EACH	1

** 100% COST TO CITY OF BLOOMINGTON FIRE DEPARTMENT

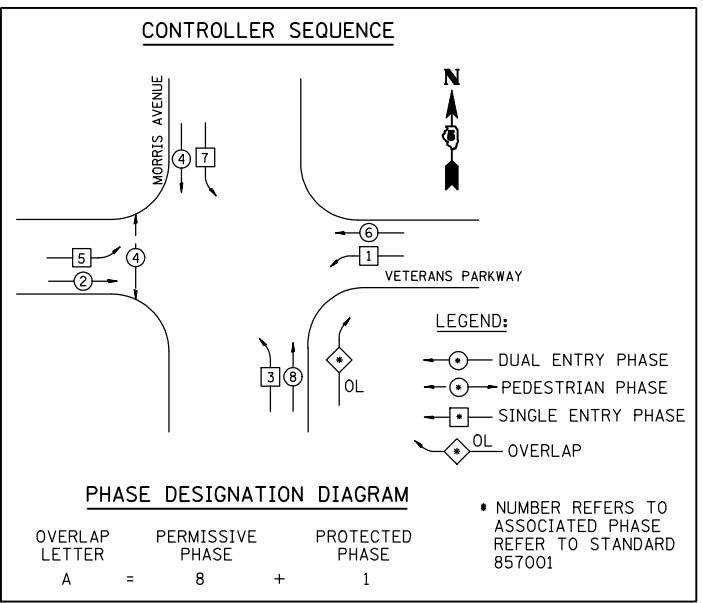
CABLE PLAN LEGEND:

- SERVICE INSTALLATION
- ▣ CONTROLLER
- ▲ HANDHOLE
- ▣ DOUBLE HANDHOLE
- ▣ HEAVY DUTY HANDHOLE
- MAST ARM OR SIGNAL POST
- YELLOW LEFT TURN ARROW
- R RED BALL SECTION
- ▣ SIGNAL HEAD BACKPLATE
- ⑤ NUMBER OF CONDUCTORS IN CABLE
- CONDUIT SIZE
- NUMBER OF CABLES IN CONDUIT
- NUMBER OF CONDUCTORS IN EACH CABLE
- 12" (300mm) PEDESTRIAN SIGNAL SECTION
- ⊙ PEDESTRIAN PUSHBUTTON
- DETECTOR LOOP
- T TELEPHONE INSTALLATION



CABLE PLAN
NOT TO SCALE

NOTE: LIGHTING CABLE SHALL CONSIST OF 2-#6 (XLP-TYPE USE) 1-#8 (XLP-TYPE USE) AND SHALL BE INSTALLED IN THE SEPARATE LIGHTING CONDUIT AS SHOWN ON THE PLAN SHEET. SEE BILL OF MATERIALS FOR LIGHTING.



PHASE DESIGNATION DIAGRAM

- DUAL ENTRY PHASE
- PEDESTRIAN PHASE
- SINGLE ENTRY PHASE
- OL OVERLAP
- NUMBER REFERS TO ASSOCIATED PHASE REFER TO STANDARD 857001

TS-07

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		VETERANS PARKWAY & MORRIS AVENUE SCHEDULE OF QUANTITIES, CABLE PLAN AND PHASE DESIGNATION DIAGRAM

AMES Engineering, Inc.
Consulting Engineers
1341 Warren Avenue
Downers Grove, IL 60515

SCALE: DRAWN BY: RV
DESIGNED BY: AS
DATE: MARCH, 2009 CHECKED BY: MSA

\$FILES 10/14/2010 \$TIMES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLean	497	257
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 70514



TEMPORARY TRAFFIC SIGNAL LEGEND

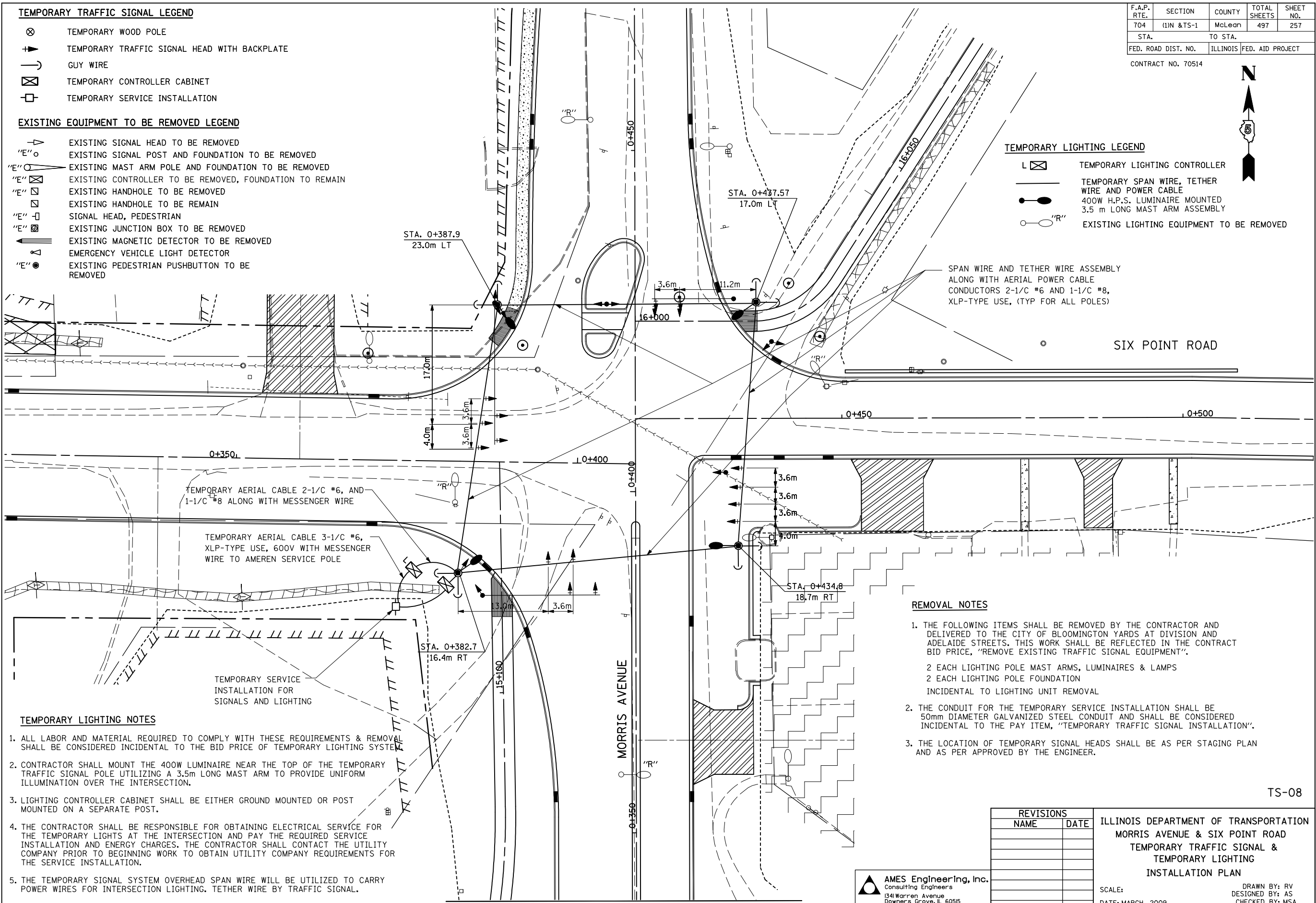
- ⊗ TEMPORARY WOOD POLE
- ▶ TEMPORARY TRAFFIC SIGNAL HEAD WITH BACKPLATE
- ┆ GUY WIRE
- ⊠ TEMPORARY CONTROLLER CABINET
- TEMPORARY SERVICE INSTALLATION

EXISTING EQUIPMENT TO BE REMOVED LEGEND

- ▶ EXISTING SIGNAL HEAD TO BE REMOVED
- "E" ○ EXISTING SIGNAL POST AND FOUNDATION TO BE REMOVED
- "E" ○ EXISTING MAST ARM POLE AND FOUNDATION TO BE REMOVED
- "E" ⊠ EXISTING CONTROLLER TO BE REMOVED, FOUNDATION TO REMAIN
- "E" □ EXISTING HANDHOLE TO BE REMOVED
- EXISTING HANDHOLE TO BE REMAIN
- "E" □ SIGNAL HEAD, PEDESTRIAN
- "E" ⊠ EXISTING JUNCTION BOX TO BE REMOVED
- ▶ EXISTING MAGNETIC DETECTOR TO BE REMOVED
- ▶ EXISTING EMERGENCY VEHICLE LIGHT DETECTOR
- "E" ○ EXISTING PEDESTRIAN PUSHBUTTON TO BE REMOVED

TEMPORARY LIGHTING LEGEND

- ⊠ TEMPORARY LIGHTING CONTROLLER
- TEMPORARY SPAN WIRE, TETHER WIRE AND POWER CABLE
- 400W H.P.S. LUMINAIRE MOUNTED, 3.5 m LONG MAST ARM ASSEMBLY
- "R" EXISTING LIGHTING EQUIPMENT TO BE REMOVED



REMOVAL NOTES

1. THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND DELIVERED TO THE CITY OF BLOOMINGTON YARDS AT DIVISION AND ADELAIDE STREETS. THIS WORK SHALL BE REFLECTED IN THE CONTRACT BID PRICE, "REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT".
 - 2 EACH LIGHTING POLE MAST ARMS, LUMINAIRES & LAMPS
 - 2 EACH LIGHTING POLE FOUNDATION
 INCIDENTAL TO LIGHTING UNIT REMOVAL
2. THE CONDUIT FOR THE TEMPORARY SERVICE INSTALLATION SHALL BE 50mm DIAMETER GALVANIZED STEEL CONDUIT AND SHALL BE CONSIDERED INCIDENTAL TO THE PAY ITEM, "TEMPORARY TRAFFIC SIGNAL INSTALLATION".
3. THE LOCATION OF TEMPORARY SIGNAL HEADS SHALL BE AS PER STAGING PLAN AND AS PER APPROVED BY THE ENGINEER.

TEMPORARY LIGHTING NOTES

1. ALL LABOR AND MATERIAL REQUIRED TO COMPLY WITH THESE REQUIREMENTS & REMOVAL SHALL BE CONSIDERED INCIDENTAL TO THE BID PRICE OF TEMPORARY LIGHTING SYSTEM.
2. CONTRACTOR SHALL MOUNT THE 400W LUMINAIRE NEAR THE TOP OF THE TEMPORARY TRAFFIC SIGNAL POLE UTILIZING A 3.5m LONG MAST ARM TO PROVIDE UNIFORM ILLUMINATION OVER THE INTERSECTION.
3. LIGHTING CONTROLLER CABINET SHALL BE EITHER GROUND MOUNTED OR POST MOUNTED ON A SEPARATE POST.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ELECTRICAL SERVICE FOR THE TEMPORARY LIGHTS AT THE INTERSECTION AND PAY THE REQUIRED SERVICE INSTALLATION AND ENERGY CHARGES. THE CONTRACTOR SHALL CONTACT THE UTILITY COMPANY PRIOR TO BEGINNING WORK TO OBTAIN UTILITY COMPANY REQUIREMENTS FOR THE SERVICE INSTALLATION.
5. THE TEMPORARY SIGNAL SYSTEM OVERHEAD SPAN WIRE WILL BE UTILIZED TO CARRY POWER WIRES FOR INTERSECTION LIGHTING. TETHER WIRE BY TRAFFIC SIGNAL.

\$FILES 10/14/2010 \$TIME\$

TS-08

AMES Engineering, Inc.
 Consulting Engineers
 1341 Warren Avenue
 Downers Grove, IL 60515

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 MORRIS AVENUE & SIX POINT ROAD
 TEMPORARY TRAFFIC SIGNAL &
 TEMPORARY LIGHTING
 INSTALLATION PLAN

SCALE: _____
 DATE: MARCH, 2009

DRAWN BY: RV
 DESIGNED BY: AS
 CHECKED BY: MSA

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLean	497	259
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 70514

PROPOSED TRAFFIC SIGNAL LEGEND

- CONTROLLER LOCATED ON EXISTING FOUNDATION
- SERVICE INSTALLATION
- SIGNAL HEAD
- SIGNAL HEAD WITH BACK PLATE
- SIGNAL POST, GALVANIZED STEEL
- MAST ARM ASSEMBLY AND POLE, STEEL
- COMMON TRENCH
- HANDHOLE
- HEAVY DUTY HANDHOLE
- EXISTING HANDHOLE
- DOUBLE HANDHOLE
- PVC OR G.S. CONDUIT IN TRENCH OR PUSHED
- LENGTH "T" OR "P" SIZE AND TYPE
CONDUIT LENGTH AND SIZE AND TYPE (TRENCHED AND/OR PUSHED AS INDICATED)
- COMBINATION LIGHTING UNIT, 400W HPS LUMINAIRE (SEE NOTE 2)
- SIGNAL HEAD, PEDESTRIAN
- DETECTOR LOOP
- EMERGENCY VEHICLE LIGHT DETECTOR

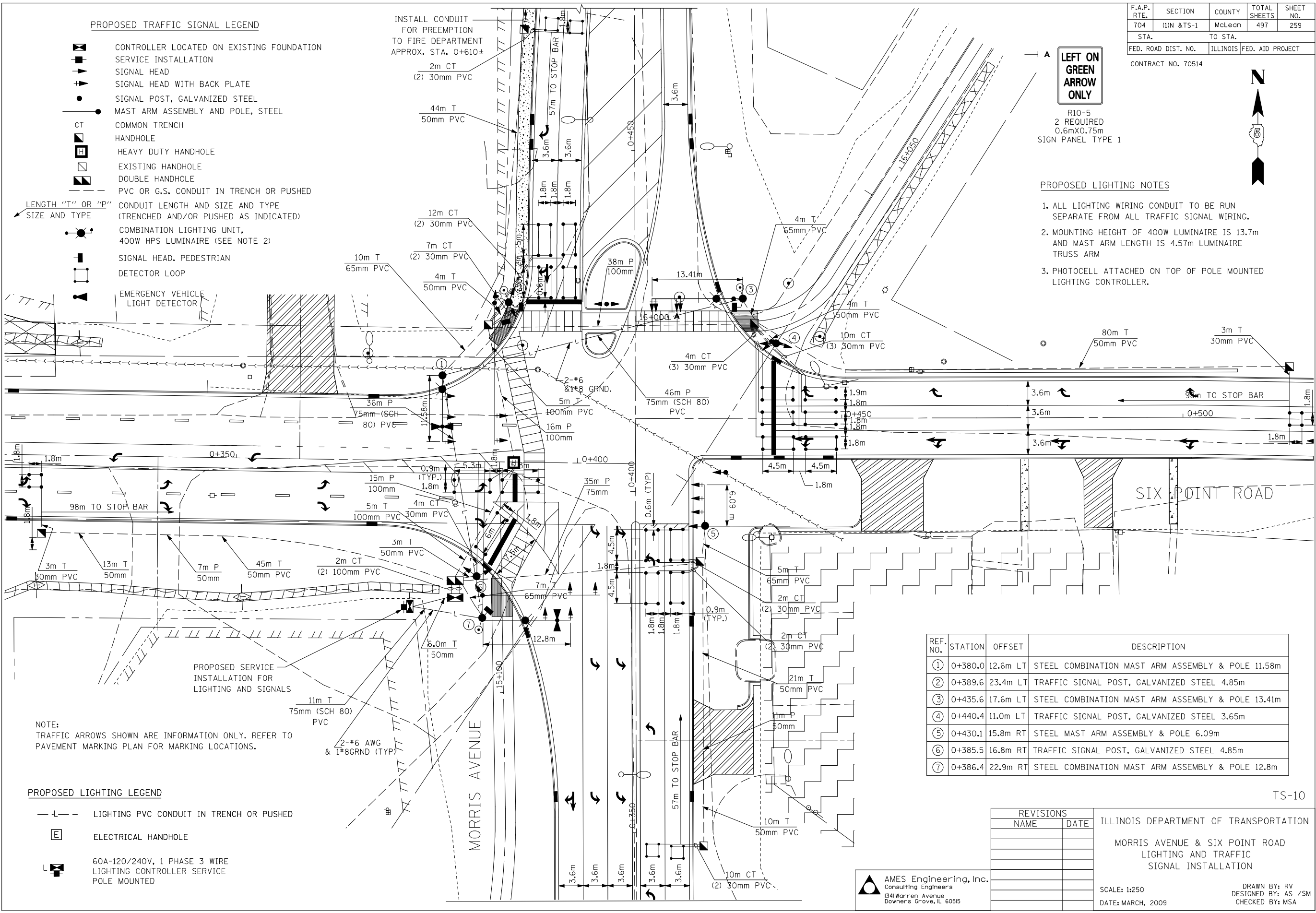
INSTALL CONDUIT FOR PREEMPTION TO FIRE DEPARTMENT APPROX. STA. 0+610±

LEFT ON GREEN ARROW ONLY

R10-5
2 REQUIRED
0.6mX0.75m
SIGN PANEL TYPE 1

PROPOSED LIGHTING NOTES

1. ALL LIGHTING WIRING CONDUIT TO BE RUN SEPARATE FROM ALL TRAFFIC SIGNAL WIRING.
2. MOUNTING HEIGHT OF 400W LUMINAIRE IS 13.7m AND MAST ARM LENGTH IS 4.57m LUMINAIRE TRUSS ARM
3. PHOTOCELL ATTACHED ON TOP OF POLE MOUNTED LIGHTING CONTROLLER.



NOTE:
TRAFFIC ARROWS SHOWN ARE INFORMATION ONLY. REFER TO PAVEMENT MARKING PLAN FOR MARKING LOCATIONS.

PROPOSED LIGHTING LEGEND

- LIGHTING PVC CONDUIT IN TRENCH OR PUSHED
- ELECTRICAL HANDHOLE
- 60A-120/240V, 1 PHASE 3 WIRE LIGHTING CONTROLLER SERVICE POLE MOUNTED

REF. NO.	STATION	OFFSET	DESCRIPTION
①	0+380.0	12.6m LT	STEEL COMBINATION MAST ARM ASSEMBLY & POLE 11.58m
②	0+389.6	23.4m LT	TRAFFIC SIGNAL POST, GALVANIZED STEEL 4.85m
③	0+435.6	17.6m LT	STEEL COMBINATION MAST ARM ASSEMBLY & POLE 13.41m
④	0+440.4	11.0m LT	TRAFFIC SIGNAL POST, GALVANIZED STEEL 3.65m
⑤	0+430.1	15.8m RT	STEEL MAST ARM ASSEMBLY & POLE 6.09m
⑥	0+385.5	16.8m RT	TRAFFIC SIGNAL POST, GALVANIZED STEEL 4.85m
⑦	0+386.4	22.9m RT	STEEL COMBINATION MAST ARM ASSEMBLY & POLE 12.8m

TS-10

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		MORRIS AVENUE & SIX POINT ROAD LIGHTING AND TRAFFIC SIGNAL INSTALLATION

AMES Engineering, Inc.
Consulting Engineers
1341 Warren Avenue
Downers Grove, IL 60515

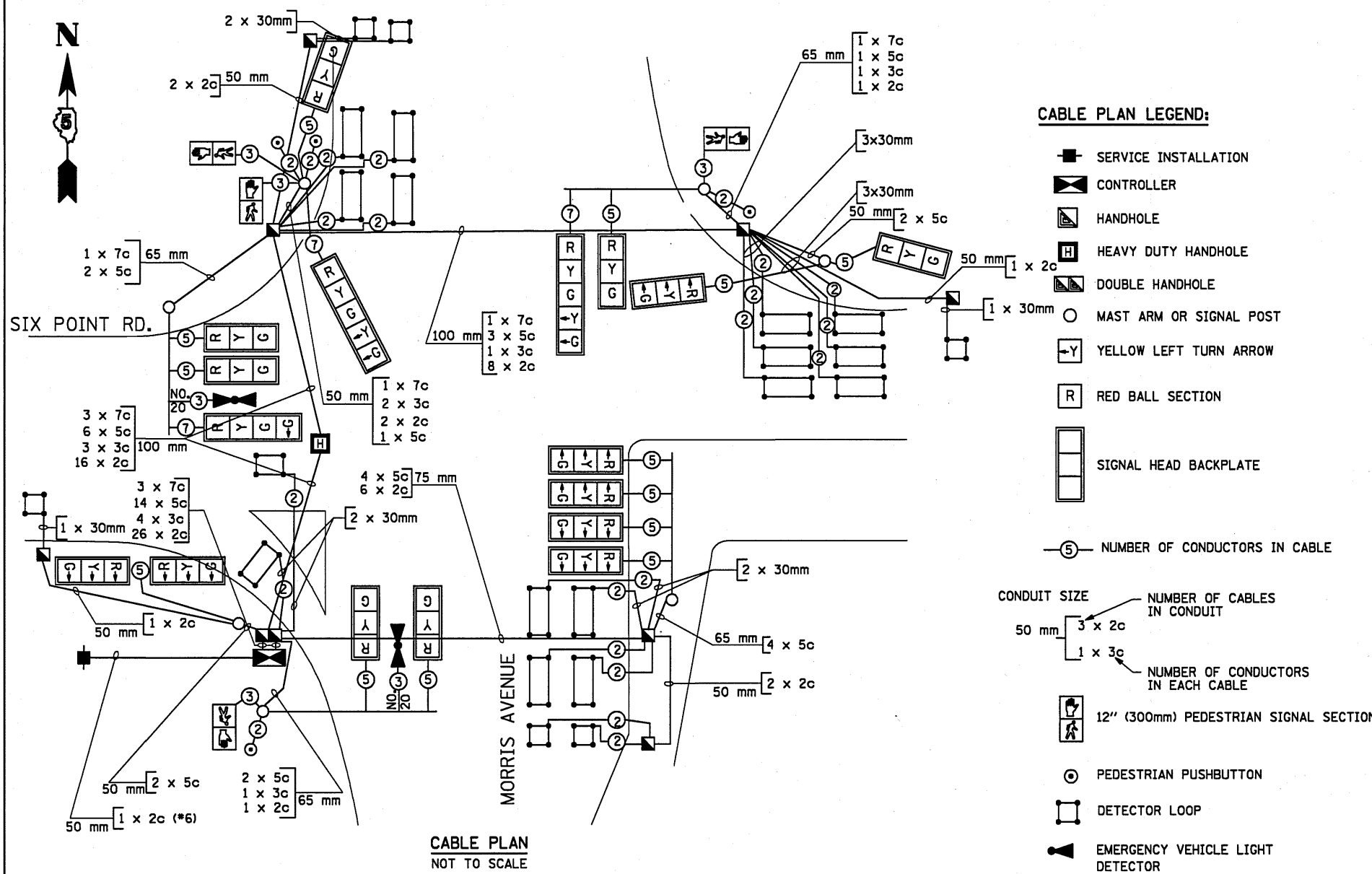
SCALE: 1:250
DATE: MARCH, 2009

DRAWN BY: RV
DESIGNED BY: AS / SM
CHECKED BY: MSA

\$FILES 10/14/2010 \$TIMES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(UN & TS-1)	McLean	497	260
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 70514



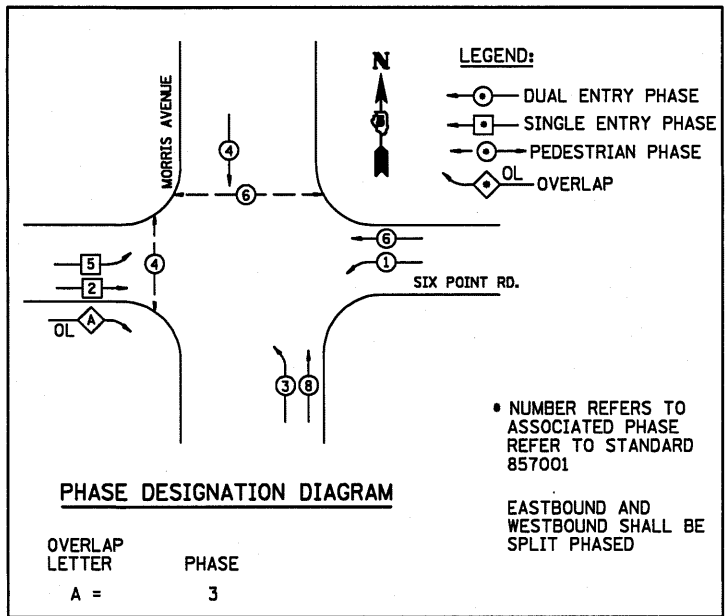
CABLE PLAN
NOT TO SCALE

- CABLE PLAN LEGEND:**
- SERVICE INSTALLATION
 - CONTROLLER
 - HANDHOLE
 - HEAVY DUTY HANDHOLE
 - DOUBLE HANDHOLE
 - MAST ARM OR SIGNAL POST
 - Y YELLOW LEFT TURN ARROW
 - R RED BALL SECTION
 - SIGNAL HEAD BACKPLATE
 - ⑤ NUMBER OF CONDUCTORS IN CABLE
- CONDUIT SIZE
- 50 mm 3 x 2c
 - 1 x 3c
- NUMBER OF CABLES IN CONDUIT
- NUMBER OF CONDUCTORS IN EACH CABLE
- 12" (300mm) PEDESTRIAN SIGNAL SECTION
 - PEDESTRIAN PUSHBUTTON
 - DETECTOR LOOP
 - ▲ EMERGENCY VEHICLE LIGHT DETECTOR

BILL OF MATERIALS

ITEM	UNIT	QNTY.
HANDHOLE	EACH	7
HEAVY-DUTY HANDHOLE	EACH	1
DOUBLE HANDHOLE	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	1
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	17
INDUCTIVE LOOP DETECTOR	EACH	22
PEDESTRIAN PUSH-BUTTON	EACH	4
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING HANDHOLE	EACH	4
REMOVE EXISTING CONCRETE FOUNDATION	EACH	4
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
SIGN PANEL TYPE I	SQ M	1
SIGN PANEL TYPE II	SQ M	4
CONDUIT IN TRENCH, 50MM DIA., PVC	METER	224
CONDUIT IN TRENCH, 65MM DIA., PVC	METER	26
CONDUIT IN TRENCH, 100MM DIA., PVC	METER	14
CONDUIT PUSHED, 50MM DIA., GALVANIZED STEEL	METER	18
CONDUIT PUSHED, 75MM DIA., GALVANIZED STEEL	METER	35
CONDUIT PUSHED, 100MM DIA., GALVANIZED STEEL	METER	69
TRENCH AND BACKFILL FOR ELECTRICAL WORK	METER	321
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	METER	1985
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	METER	274
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	METER	958
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	METER	285
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	METER	342
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	METER	12
TRAFFIC SIGNAL POST, GALVANIZED STEEL 3.65 METER	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 4.85 METER	EACH	2
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 11.58 METER	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 12.80 METER	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 13.41 METER	EACH	1
CONCRETE FOUNDATION, TYPE A	METER	3.6
CONCRETE FOUNDATION, TYPE D	METER	1.2
CONCRETE FOUNDATION, TYPE E, 600MM DIAMETER	METER	4.6
CONCRETE FOUNDATION, TYPE E, 750MM DIAMETER	METER	18.4
DETECTOR LOOP, TYPE I	METER	227
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1/C	METER	1275
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125 MM12F & SM12F	METER	600
ELECTRIC CABLE IN CONDUIT, GROUNDING NO. 6 1C	METER	164
SERVICE INSTALLATION, TYPE A	EACH	1
LIGHT POLE, WOOD, 10.67 M, CLASS 3	EACH	1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	9
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	1
SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 20 3C TWISTED SHIELDED	EACH	121
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED W/CDT	EACH	4
BATTERY BACKUP	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 6.09 METER	EACH	1
PEDESTRIAN SIGNAL HEAD LED, 1-FACE BRACKET MOUNTED	EACH	

** 100% COST TO CITY OF BLOOMINGTON FIRE DEPARTMENT



PHASE DESIGNATION DIAGRAM

OVERLAP LETTER PHASE
A = 3

- LEGEND:**
- DUAL ENTRY PHASE
 - SINGLE ENTRY PHASE
 - PEDESTRIAN PHASE
 - ◇ OL OVERLAP

• NUMBER REFERS TO ASSOCIATED PHASE REFER TO STANDARD 857001
EASTBOUND AND WESTBOUND SHALL BE SPLIT PHASED

TS-11

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		MORRIS AVENUE & SIX POINT ROAD SCHEDULE OF QUANTITIES, CABLE PLAN AND PHASE DESIGNATION DIAGRAM

AMES Engineering, Inc.
Consulting Engineers
1341 Warren Avenue
Downers Grove, IL 60515

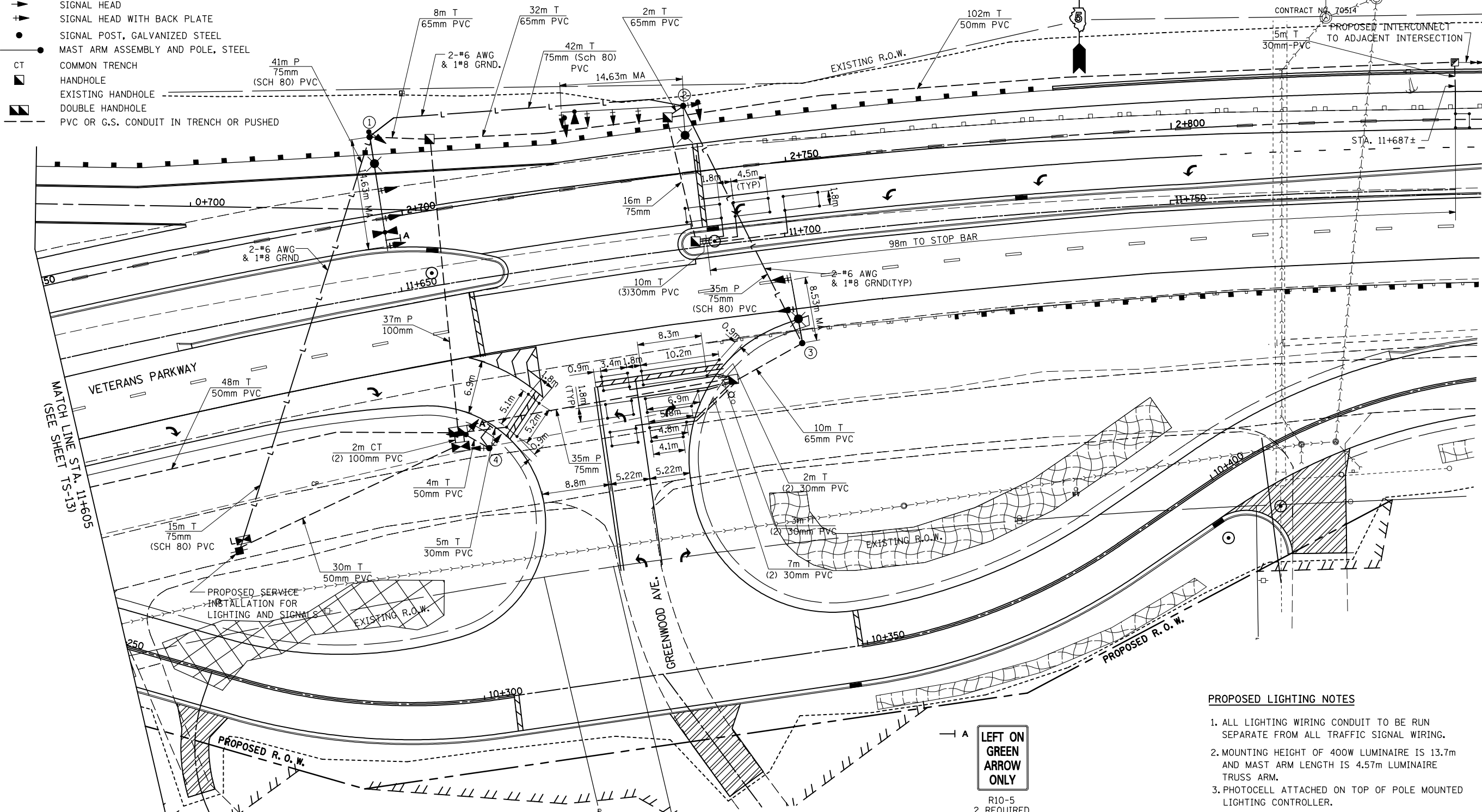
SCALE: NONE DRAWN BY: RV
DATE: MARCH, 2009 DESIGNED BY: AS
CHECKED BY: MSA

FILE# 9/28/2010 \$TIME\$

PROPOSED TRAFFIC SIGNAL LEGEND

- ☒ CONTROLLER LOCATED ON EXISTING FOUNDATION
- ☒ SERVICE INSTALLATION
- ▶ SIGNAL HEAD
- ▶ SIGNAL HEAD WITH BACK PLATE
- SIGNAL POST, GALVANIZED STEEL
- MAST ARM ASSEMBLY AND POLE, STEEL
- CT COMMON TRENCH
- ◻ HANDHOLE
- ◻ EXISTING HANDHOLE
- ◻ DOUBLE HANDHOLE
- - - PVC OR G.S. CONDUIT IN TRENCH OR PUSHED

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLean	497	261
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



MATCH LINE STA. 11+605 (SEE SHEET TS-13)

PROPOSED LIGHTING LEGEND

- - - LIGHTING PVC CONDUIT IN TRENCH OR PUSHED
- ☒ 60A-120/240V, 1 PHASE 3 WIRE LIGHTING CONTROLLER SERVICE POLE MOUNTED
- ☒ COMBINATION LIGHTING UNIT, 400W HPS LUMINAIRE (SEE NOTE 2)

NOTE: TRAFFIC ARROWS SHOWN ARE INFORMATION ONLY. REFER TO PAVEMENT MARKING PLAN FOR MARKING LOCATIONS.

REF. NO.	STATION	OFFSET	DESCRIPTION
①	2+697.50	11.4m LT	STEEL COMBINATION MAST ARM ASSEMBLY & POLE 14.41m
②	2+738.0	8.6m LT	STEEL COMBINATION MAST ARM ASSEMBLY & POLE 14.41m
③	2+749.0	24.0m RT	STEEL COMBINATION MAST ARM ASSEMBLY & POLE 8.53m
④	2+707.0	31.6m RT	TRAFFIC SIGNAL POST, GALVANIZED STEEL 4.85m

LEFT ON GREEN ARROW ONLY
R10-5
2 REQUIRED
0.6m X 0.75m
SIGN PANEL TYPE 1

PROPOSED LIGHTING NOTES

1. ALL LIGHTING WIRING CONDUIT TO BE RUN SEPARATE FROM ALL TRAFFIC SIGNAL WIRING.
2. MOUNTING HEIGHT OF 400W LUMINAIRE IS 13.7m AND MAST ARM LENGTH IS 4.57m LUMINAIRE TRUSS ARM.
3. PHOTOCELL ATTACHED ON TOP OF POLE MOUNTED LIGHTING CONTROLLER.

TS-12

\$FILES 10/14/2010 \$TIMES

AMES Engineering, Inc.
Consulting Engineers
1341 Warren Avenue
Downers Grove, IL 60515

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

VETERANS PARKWAY AND GREENWOOD AVE.
LIGHTING & TRAFFIC SIGNAL INSTALLATION

SCALE: /SM
DATE: MARCH, 2009

DRAWN BY: RV
DESIGNED BY: AS
CHECKED BY: MSA

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLean	497	263
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 70514

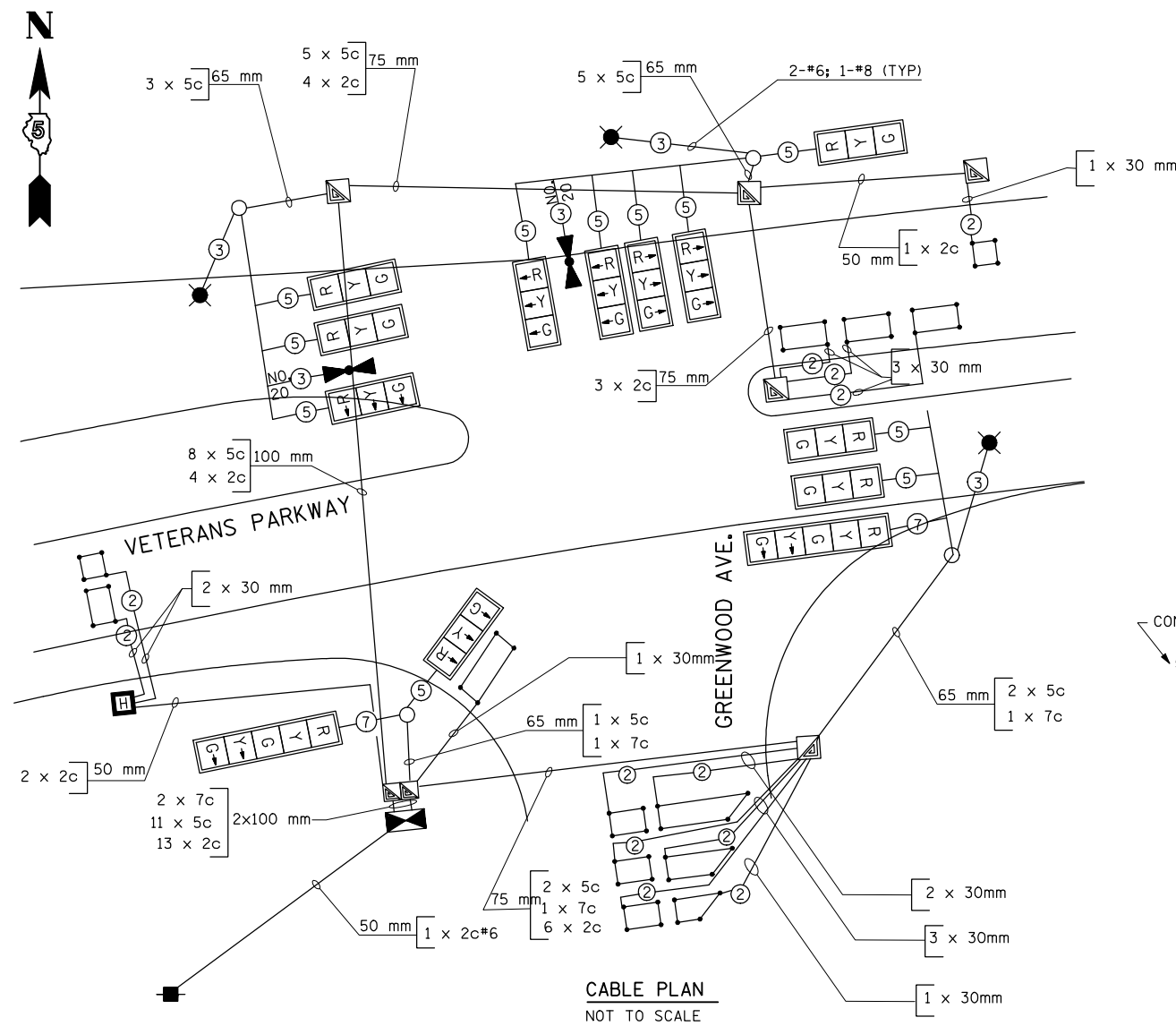
BILL OF MATERIALS

ITEM	UNIT	QNTY.
HANDHOLE	EACH	5
HEAVY DUTY HANDHOLE	EACH	1
DOUBLE HANDHOLE	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
TRANSCIEVER - FIBER OPTIC	EACH	1
TRAFFIC SIGNAL BACKPLATE, LOUVERED,FORMED PLASTIC	EACH	12
INDUCTIVE LOOP DETECTOR	EACH	13
SIGN PANEL TYPE I	SQ M	1
SIGN PANEL TYPE II	SQ M	3
CONDUIT IN TRENCH, 50MM DIA., PVC	METER	222
CONDUIT IN TRENCH, 65MM DIA., PVC	METER	52
CONDUIT IN TRENCH, 100MM DIA., PVC	METER	4
CONDUIT PUSHED, 75MM DIA., GALVANIZED STEEL	METER	51
CONDUIT PUSHED, 100MM DIA., GALVANIZED STEEL	METER	37
TRENCH AND BACKFILL FOR ELECTRICAL WORK	METER	311
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	METER	1010
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	METER	964
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	METER	96
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	METER	308
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	METER	36
TRAFFIC SIGNAL POST, GALVANIZED STEEL 4.85 METER	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 8.53 METER	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 14.63 METER	EACH	2
CONCRETE FOUNDATION, TYPE A	METER	1.2
CONCRETE FOUNDATION, TYPE D	METER	1.2
CONCRETE FOUNDATION, TYPE E, 600MM DIAMETER	METER	4
CONCRETE FOUNDATION, TYPE E, 750MM DIAMETER	METER	13.8
DETECTOR LOOP, TYPE I	METER	162
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1/C	METER	839
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125 MM12F & SM12F	METER	300
ELECTRIC CABLE IN CONDUIT, GROUNDING NO. 6 1C	METER	181
SERVICE INSTALLATION, TYPE A	EACH	1
LIGHT POLE, WOOD, 10.67 METERS, CLASS 3	EACH	1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	9
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	1
SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	1
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 20 3C TWISTED SHIELDED	EACH	195
BATTERY BACKUP	EACH	1

** 100% COST TO CITY OF BLOOMINGTON FIRE DEPARTMENT.

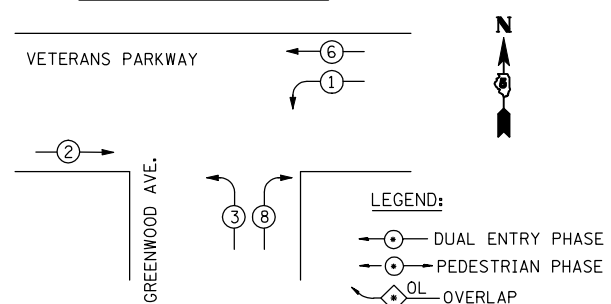
CABLE PLAN LEGEND:

- SERVICE INSTALLATION
- ⊠ CONTROLLER
- HANDHOLE
- ⊠ HEAVY-DUTY HANDHOLE
- ⊠ DOUBLE HANDHOLE
- MAST ARM OR SIGNAL POST
- ←Y YELLOW LEFT TURN ARROW
- R RED BALL SECTION
- SIGNAL HEAD BACKPLATE
- ⑤ NUMBER OF CONDUCTORS IN CABLE
- CONDUIT SIZE: 50 mm
- NUMBER OF CABLES IN CONDUIT: 3 x 2c, 1 x 3c
- NUMBER OF CONDUCTORS IN EACH CABLE
- ⊠ 12" (300mm) PEDESTRIAN SIGNAL SECTION
- ⊙ PEDESTRIAN PUSHBUTTON
- DETECTOR LOOP
- ⊠ EMERGENCY VEHICLE LIGHT DETECTOR



CABLE PLAN
NOT TO SCALE

CONTROLLER SEQUENCE



• NUMBER REFERS TO ASSOCIATED PHASE REFER TO STANDARD 857001

PHASE DESIGNATION DIAGRAM

NOTE: LIGHTING CABLE SHALL CONSIST OF 2-#6 (XLP-TYPE USE) 1-#8 (XLP-TYPE USE) AND SHALL BE INSTALLED IN THE SEPARATE LIGHTING CONDUIT AS SHOWN ON THE PLAN SHEET. SEE BILL OF MATERIALS FOR LIGHTING.

\$FILES 10/14/2010 \$TIME\$

TS-14

AMES Engineering, Inc.
Consulting Engineers
1341 Warren Avenue
Downers Grove, IL 60515

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
VETERANS PARKWAY AND GREENWOOD AVE.
SCHEDULE OF QUANTITIES
CABLE PLAN AND
PHASE DESIGNATION DIAGRAM
SCALE: NONE
DATE: MARCH, 2009
DRAWN BY: RV
DESIGNED BY: AS
CHECKED BY: MSA

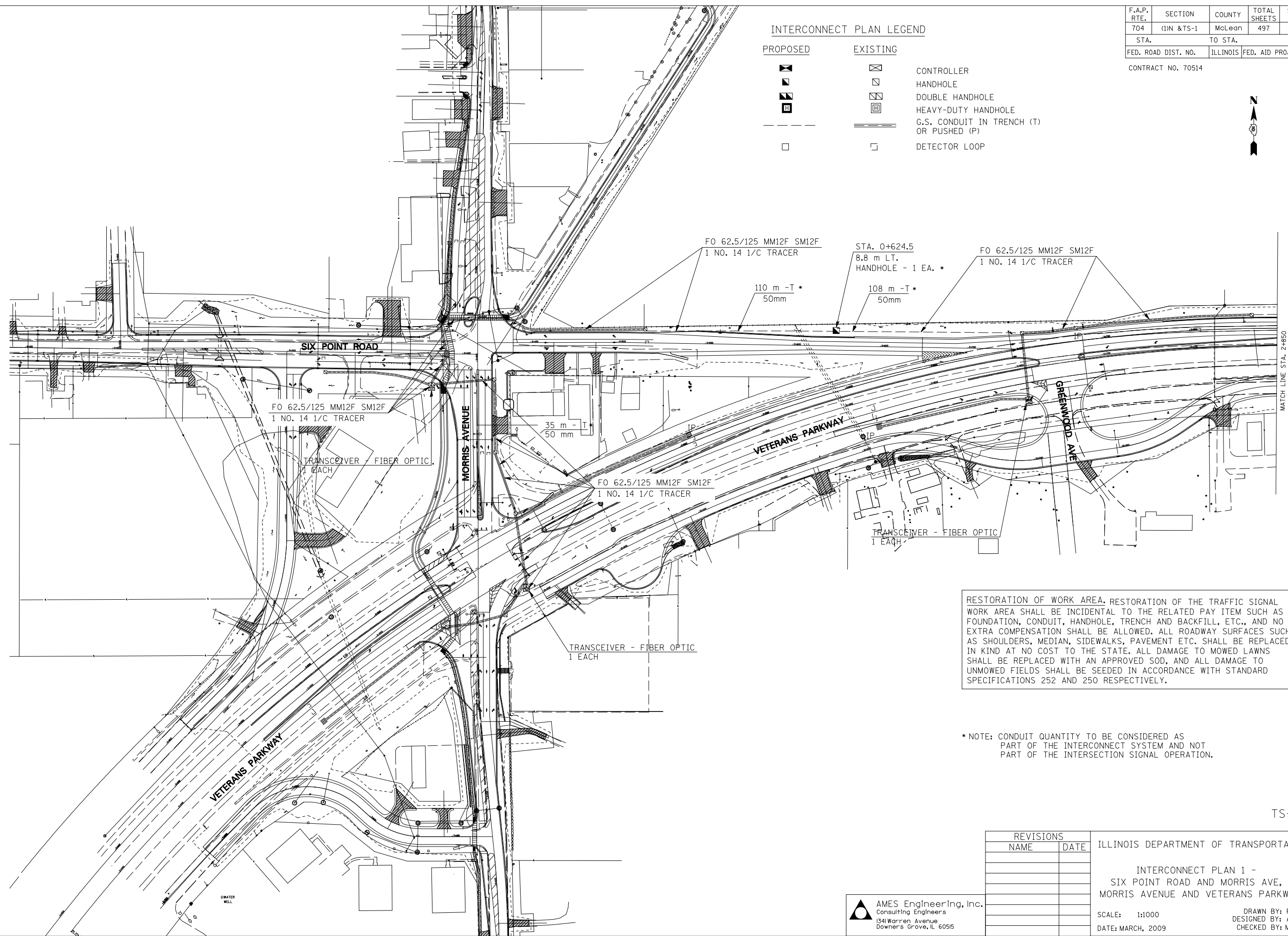
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLean	497	264
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 70514



INTERCONNECT PLAN LEGEND

PROPOSED	EXISTING	
		CONTROLLER
		HANDHOLE
		DOUBLE HANDHOLE
		HEAVY-DUTY HANDHOLE
		G.S. CONDUIT IN TRENCH (T) OR PUSHED (P)
		DETECTOR LOOP



RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIAN, SIDEWALKS, PAVEMENT ETC. SHALL BE REPLACED IN KIND AT NO COST TO THE STATE. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

* NOTE: CONDUIT QUANTITY TO BE CONSIDERED AS PART OF THE INTERCONNECT SYSTEM AND NOT PART OF THE INTERSECTION SIGNAL OPERATION.

TS-15

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

INTERCONNECT PLAN 1 -
SIX POINT ROAD AND MORRIS AVE,
MORRIS AVENUE AND VETERANS PARKWAY

SCALE: 1:1000
DATE: MARCH, 2009

DRAWN BY: RV
DESIGNED BY: AS
CHECKED BY: MSA

AMES Engineering, Inc.
Consulting Engineers
1341 Warren Avenue
Downer's Grove, IL 60515

\$FILE\$ 8/19/2010 \$TIME\$

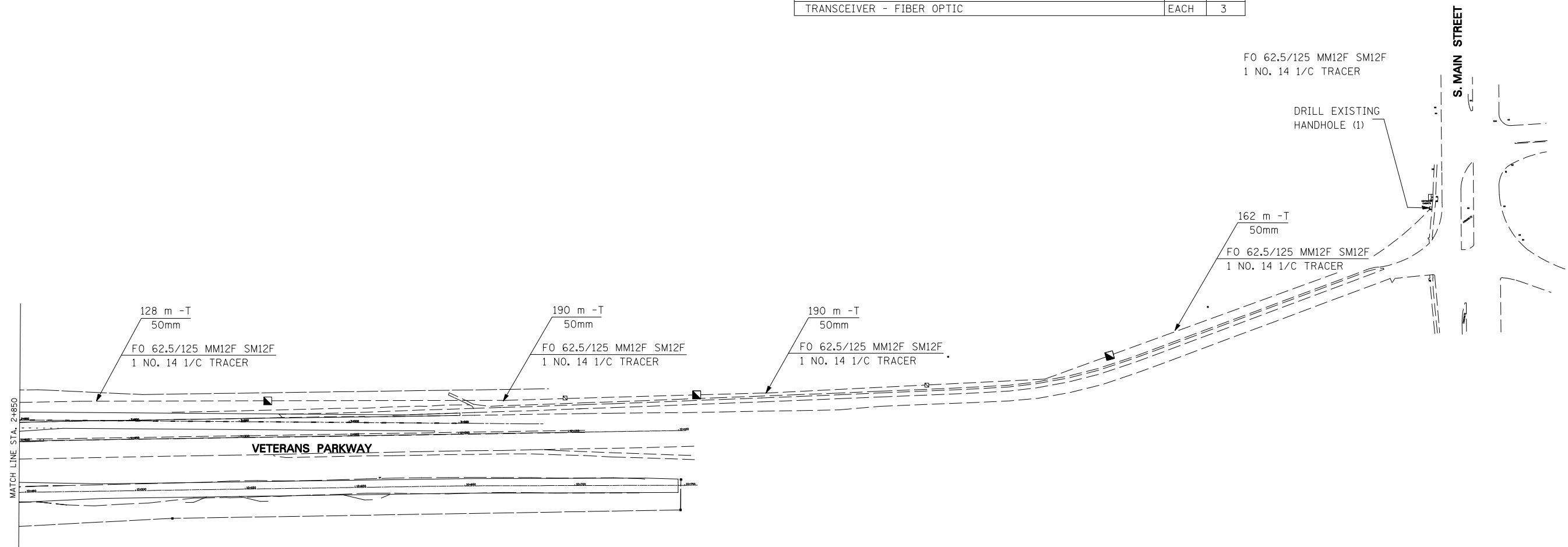
FIBER OPTIC INTERCONNECT

BILL OF MATERIALS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLean	497	265
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 70514

ITEM	UNIT	QNTY.
HANDHOLE	EACH	4
CONDUIT IN TRENCH, 50MM DIA., PVC	METER	300
CONDUIT PUSHED, 50MM DIA., GALVANIZED STEEL	METER	100
TRENCH AND BACKFILL FOR ELECTRICAL WORK	METER	300
MASTER CONTROLLER	EACH	1
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1/C	METER	800
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125 MM12F & SM12F	METER	1000
DRILL EXISTING HAND HOLE	METER	1
TRANSCEIVER - FIBER OPTIC	EACH	3



NOTE: CONDUIT & FIBER QUANTITY TO BE CONSIDERED AS PART OF THE INTERCONNECT SYSTEM AND NOT PART OF THE INTERSECTION SIGNAL OPERATION.

HANDHOLES TO BE LOCATED PER THE ENGINEER.

INTERCONNECT PLAN LEGEND

PROPOSED	EXISTING	
		CONTROLLER
		HANDHOLE
		DOUBLE HANDHOLE
		HEAVY-DUTY HANDHOLE
		G.S. CONDUIT IN TRENCH (T) OR PUSHED (P)
		DETECTOR LOOP

TS-16

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

INTERCONNECT PLAN - 2
VETERANS PARKWAY

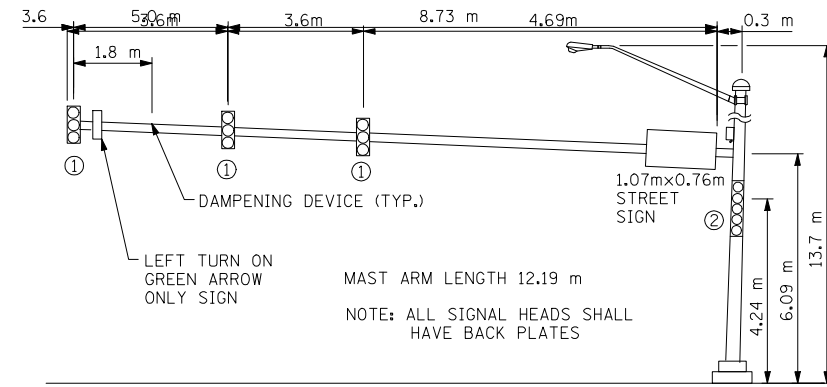
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DATE: MARCH, 2009

DRAWN BY: RV
DESIGNED BY: AS
CHECKED BY: MSA

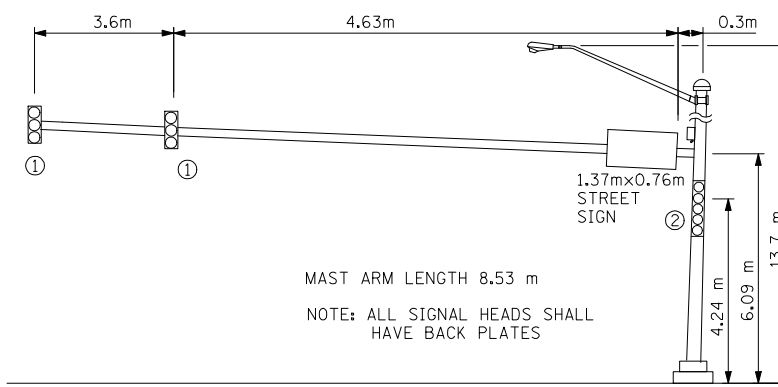
AMES Engineering, Inc.
Consulting Engineers
1341 Warren Avenue
Downer's Grove, IL 60515

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLean	497	266
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

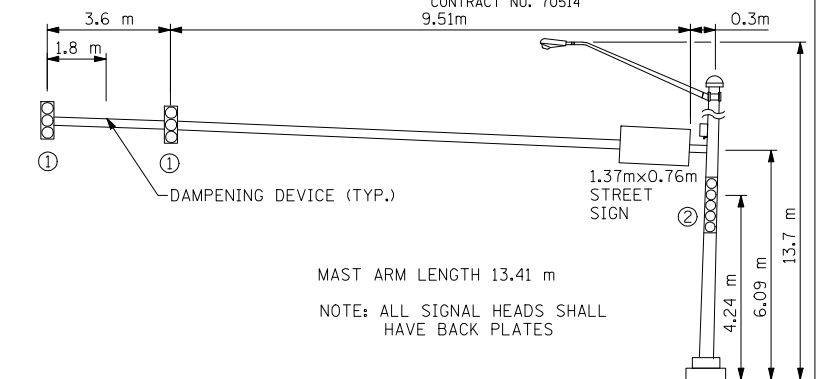
CONTRACT NO. 70514
9.51m



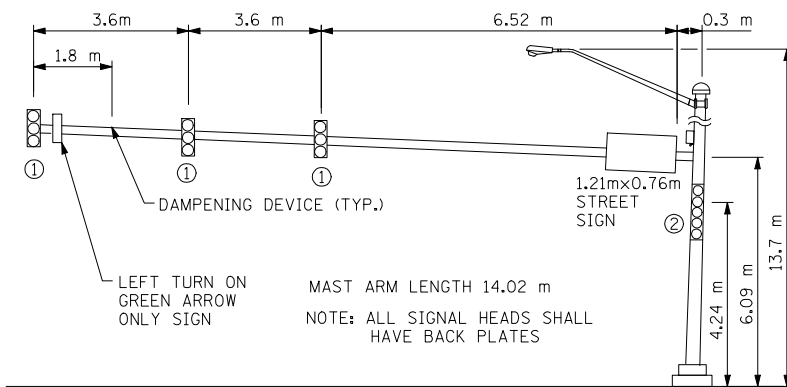
VETERANS PARKWAY AND MORRIS AVENUE (NORTHBOUND)



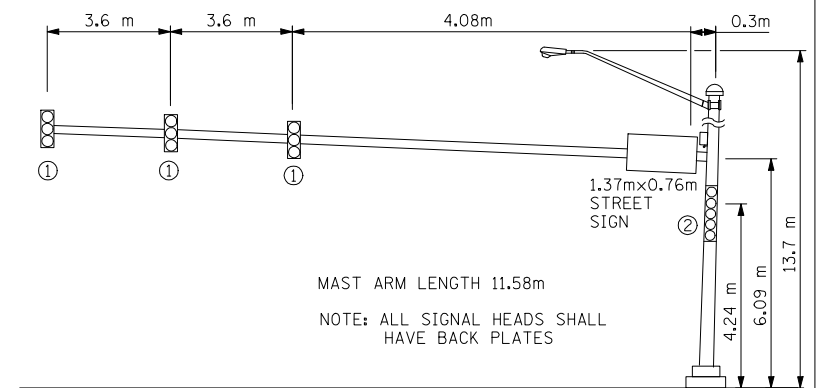
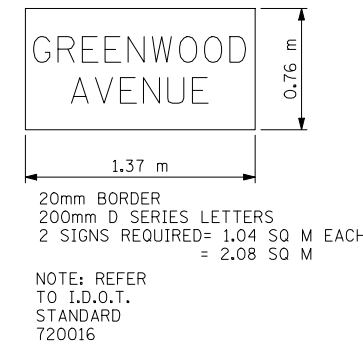
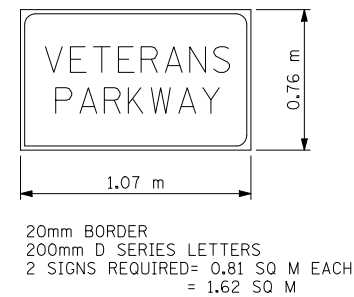
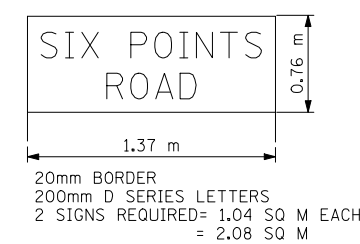
VETERANS PARKWAY AND GREENWOOD AVENUE (EASTBOUND)



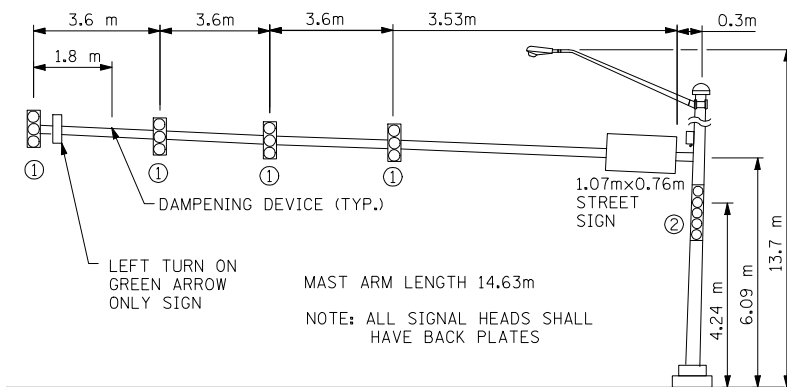
SIX POINTS ROAD MORRIS AVENUE (NORTHBOUND)



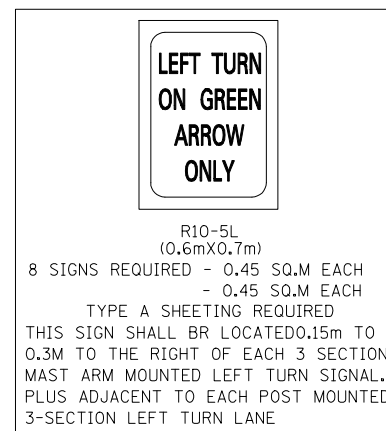
VETERANS PARKWAY AND MORRIS AVENUE (EASTBOUND)



SIX POINTS ROAD MORRIS AVENUE (WESTBOUND)



VETERANS PARKWAY AND GREENWOOD AVENUE (NORTHBOUND)



VETERANS PARWAY/MORRIS	MAST ARM LENGTH	FOUNDATION DIAMETER	FOUNDATION DEPTH	MIN. DEPTH INTO BED ROCK
N.E.	12.19m	750mm	4.6m	0.0
N.W.	15.24m	750mm	5.2m	0.0
S.E.	14.02m	750mm	4.6m	0.0
S.W.	15.24m	750mm	5.2m	0.0
VETERANS PARWAY/GREENWOOD				
N.E.	14.63m	750mm	4.6m	0.0
N.W.	14.63m	750mm	4.6m	0.0
S.E.	8.53m	750mm	4.6m	0.0
SIX POINTS ROAD/MORRIS				
N.E.	13.41m	750mm	4.6m	0.0
N.W.	11.58m	750mm	4.6m	0.0
S.E.	6.09m	750mm	4.6m	0.0
S.W.	12.8m	750mm	4.6m	0.0

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Downers Grove, IL 60515

REVISIONS	
NAME	DATE

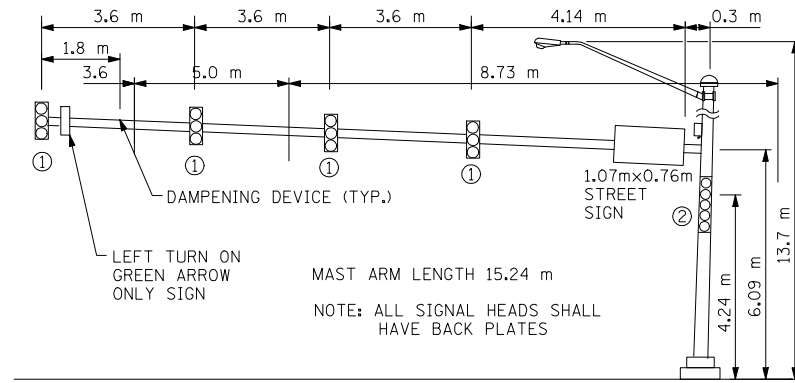
ILLINOIS DEPARTMENT OF TRANSPORTATION
VETERANS PARKWAY & MORRIS AVENUE
VETERANS PARKWAY & GREENWOOD AVENUE
SIX POINTS ROAD & MORRIS AVENUE
MAST ARM DETAILS

SCALE: NONE
DATE: MARCH, 2009

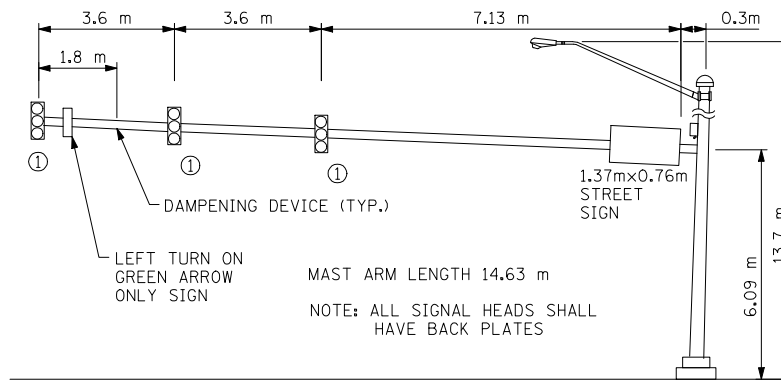
DRAWN BY: RV
DESIGNED BY: AS
CHECKED BY: MSA

TS-17

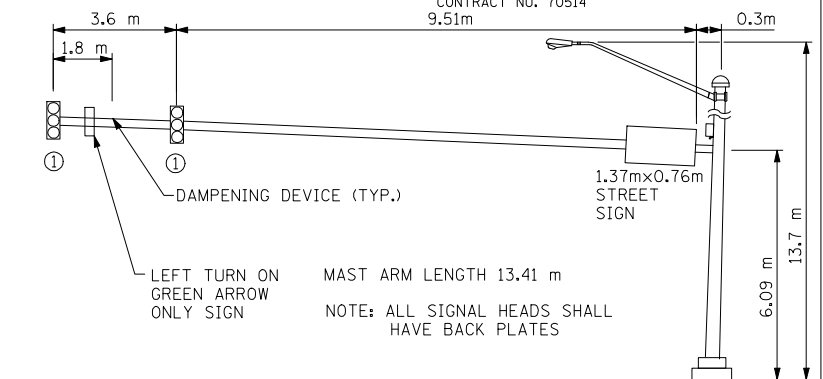
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLean	497	267
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



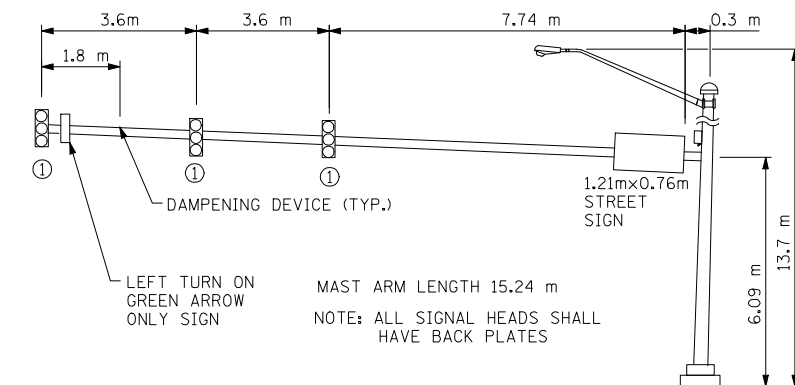
VETERANS PARKWAY AND MORRIS AVENUE (SOUTHBOUND)



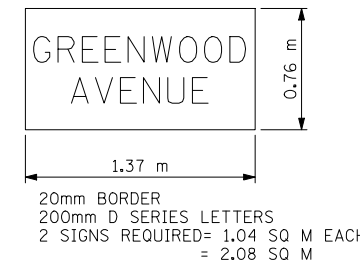
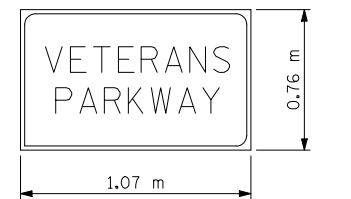
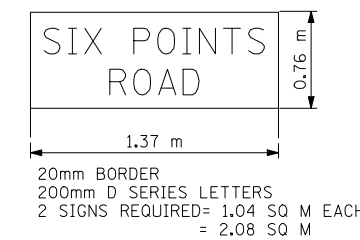
VETERANS PARKWAY AND GREENWOOD AVENUE (WESTBOUND)



SIX POINTS ROAD MORRIS AVENUE (SOUTHBOUND)



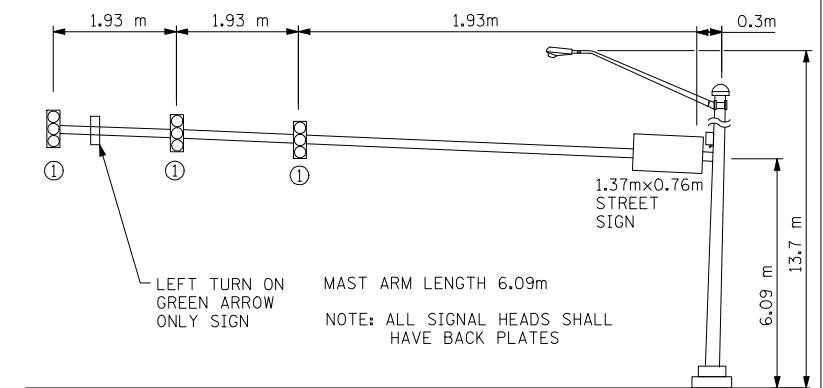
VETERANS PARKWAY AND MORRIS AVENUE (WESTBOUND)



NOTE: REFER TO I.D.O.T. STANDARD 720016

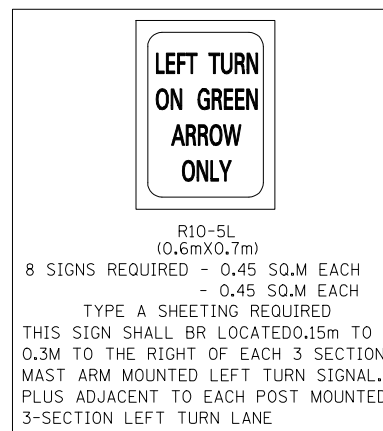


NOTE: REFER TO I.D.O.T. STANDARD 720016



SIX POINTS ROAD MORRIS AVENUE (EASTBOUND)

VETERANS PARWAY/MORRIS	MAST ARM LENGTH	FOUNDATION DIAMETER	FOUNDATION DEPTH	MIN. DEPTH INTO BED ROCK
N.E.	12.19m	750mm	4.6m	0.0
N.W.	15.24m	750mm	5.2m	0.0
S.E.	14.02m	750mm	4.6m	0.0
S.W.	15.24m	750mm	5.2m	0.0
VETERANS PARWAY/GREENWOOD				
N.E.	14.63m	750mm	4.6m	0.0
N.W.	14.63m	750mm	4.6m	0.0
S.E.	8.53m	750mm	4.6m	0.0
SIX POINTS ROAD/MORRIS				
N.E.	13.41m	750mm	4.6m	0.0
N.W.	11.58m	750mm	4.6m	0.0
S.E.	6.09m	750mm	4.6m	0.0
S.W.	12.8m	750mm	4.6m	0.0



FILES 10/14/2010 \$TIME\$

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Downers Grove, IL 60515

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
VETERANS PARKWAY & MORRIS AVENUE
VETERANS PARKWAY & GREENWOOD AVENUE
SIX POINTS ROAD & MORRIS AVENUE
MAST ARM DETAILS
SCALE: NONE
DATE: MARCH, 2009
DRAWN BY: RV
DESIGNED BY: BS
CHECKED BY: MSA

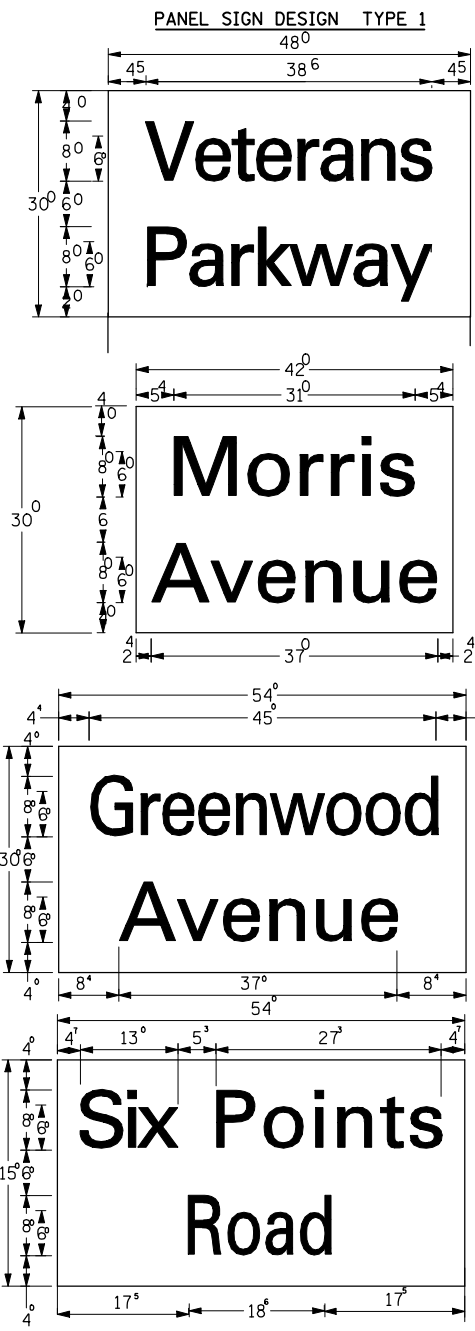
TS-18

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLean	497	268
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

Upper Case To Lower Case
Spacing Chart 8-6 Inch Series "C & D"

EXAMPLE, 2
3" DENOTES 3/8"

CONTRACT NO. 70514
UPPER AND LOWER CASE
LETTER WIDTHS



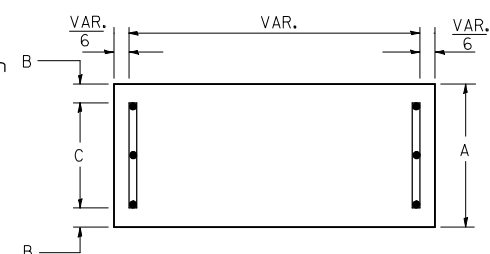
10.0 Sq. Ft. each
4 Required
Design Series C

8.75 Sq. Ft. each
4 Required
Design Series C

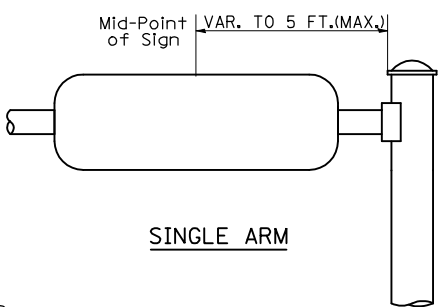
11.25 Sq. Ft. each
2 Required
Design Series C

11.25 Sq. Ft. each
2 Required
Design Series C

SUPPORTING CHANNELS

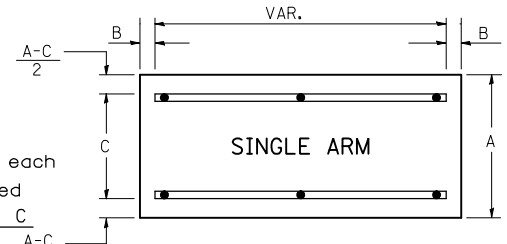


A	B	C
18"	2"	14"

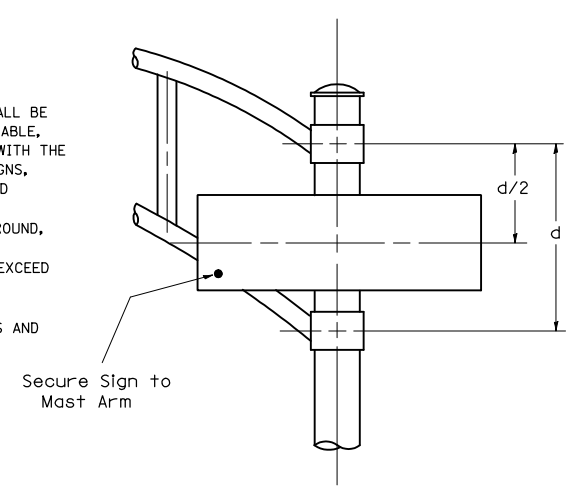


SINGLE ARM

SUPPORTING CHANNELS



A	B	C
18"	2"	12"
30"	2"	22"



DUAL ARM

SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM
Shall be used. See Note #5.

SERIES	SECOND LETTER															
	a c d e		b h i k l		f w		j		s t		v y		x		z	
	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
A W X	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ²	1 ⁴	0 ⁶	1 ⁰	1 ¹	1 ⁴	0 ⁶	1 ⁰	1 ¹	1 ²	1 ²	1 ⁴
B	1 ⁴	1 ⁵	2 ⁰	2 ¹	1 ⁴	1 ⁵	1 ¹	1 ²	1 ⁴	1 ⁵	1 ²	1 ⁴	1 ²	1 ⁴	1 ⁶	1 ⁷
C E G	1 ⁴	1 ⁵	2 ⁰	2 ¹	1 ²	1 ⁴	0 ⁶	1 ⁰	1 ²	1 ⁴	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ⁴	1 ⁵
D O Q R	1 ⁴	1 ⁵	2 ⁰	2 ¹	1 ⁴	1 ⁵	0 ⁶	1 ⁰	1 ²	1 ⁴	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ⁴	1 ⁵
F	0 ⁵	0 ⁶	1 ⁴	1 ⁵	0 ⁶	1 ⁰	0 ⁵	0 ⁶	0 ⁶	1 ⁰	0 ⁶	1 ⁰	0 ⁶	1 ⁰	1 ¹	1 ²
H I M N	2 ⁰	2 ¹	2 ²	2 ⁴	0	2 ¹	1 ⁴	1 ⁵	1 ⁶	1 ⁷	1 ⁶	1 ⁷	2 ⁰	2 ¹	2 ⁰	2 ¹
J U	2 ⁰	2 ¹	2 ⁰	2 ¹	1 ⁶	1 ⁷	1 ⁴	1 ⁵	1 ⁶	1 ⁷	1 ⁶	1 ⁷	1 ⁶	1 ⁷	2 ⁰	2 ¹
K L	1 ¹	1 ²	1 ⁶	1 ⁷	1 ¹	1 ²	0 ⁵	0 ⁶	1 ¹	1 ²	1 ¹	1 ²	1 ¹	1 ²	1 ²	1 ⁴
P	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ²	1 ⁴	0 ⁵	0 ⁶	1 ¹	1 ²	1 ¹	1 ²	1 ²	1 ⁴	1 ²	1 ⁴
S	1 ²	1 ⁴	1 ⁶	1 ⁷	1 ²	1 ⁴	0 ⁶	1 ⁰	1 ²	1 ⁴	1 ²	1 ⁴	1 ²	1 ⁴	1 ²	1 ⁴
T	1 ¹	1 ²	1 ⁶	1 ⁷	0 ⁶	1 ⁰	0 ⁶	1 ⁰	1 ¹	1 ²	1 ¹	1 ²	1 ¹	1 ²	1 ²	1 ⁴
V	0 ⁶	1 ⁰	1 ⁴	1 ⁵	1 ¹	1 ²	0 ⁶	1 ⁰	1 ²	1 ⁴	1 ²	1 ⁴	1 ²	1 ⁴	1 ²	1 ⁴
Y	0 ⁵	0 ⁶	1 ⁴	1 ⁵	0 ⁶	1 ⁰	0 ⁵	0 ⁶	0 ⁵	0 ⁷	0 ⁵	0 ⁶	0 ⁶	1 ⁰	1 ¹	1 ²
Z	1 ⁶	1 ⁷	2 ²	2 ⁴	1 ⁶	1 ⁷	1 ²	1 ⁴	1 ⁶	1 ⁷	1 ⁶	1 ⁷	1 ⁶	1 ⁷	2 ⁰	2 ¹

Lower Case To Lower Case
Spacing Chart 6 Inch Series "C & D"

SERIES	SECOND LETTER															
	a c d e		b h i k l		f w		j		s t		v y		x		z	
	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
a d h g i j	1 ⁶	1 ⁷	2 ²	2 ⁴	1 ⁶	1 ⁷	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ⁴	1 ⁵	1 ⁶	1 ⁷	1 ⁶	1 ⁷
l m n q u	1 ⁶	1 ⁷	2 ²	2 ⁴	1 ⁶	1 ⁷	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ⁴	1 ⁵	1 ⁶	1 ⁷	1 ⁶	1 ⁷
b f k o p s	1 ²	1 ⁴	1 ⁶	1 ⁷	1 ¹	1 ²	0 ⁵	0 ⁶	1 ¹	1 ²	1 ¹	1 ²	1 ²	1 ⁴	1 ²	1 ⁴
c e	1 ²	1 ⁴	1 ⁶	1 ⁷	1 ²	1 ⁴	0 ⁶	1 ⁰	1 ²	1 ⁴	1 ²	1 ⁴	1 ²	1 ⁴	1 ²	1 ⁴
r	0 ⁶	1 ⁰	1 ²	1 ⁴	0 ⁶	1 ⁰	0 ³	0 ³	0 ⁵	0 ⁶	0 ⁵	0 ⁶	0 ⁶	1 ⁰	0 ⁶	1 ⁰
t z	1 ²	1 ⁴	1 ⁶	1 ⁷	1 ²	1 ⁴	0 ⁶	1 ⁰	1 ¹	1 ²	1 ¹	1 ²	1 ²	1 ⁴	1 ²	1 ⁴
v y	1 ¹	1 ²	1 ⁴	1 ⁵	1 ¹	1 ²	0 ⁵	0 ⁶	0 ⁶	1 ⁰	0 ⁶	1 ⁰	1 ¹	1 ²	1 ¹	1 ²
w	1 ¹	1 ²	1 ⁴	1 ⁵	1 ¹	1 ²	0 ⁵	0 ⁶	1 ¹	1 ²	1 ¹	1 ²	1 ¹	1 ²	1 ²	1 ⁴
x	1 ²	1 ⁴	1 ⁶	1 ⁷	1 ¹	1 ²	0 ⁵	0 ⁶	1 ¹	1 ²	1 ¹	1 ²	1 ¹	1 ²	1 ²	1 ⁴

Number To Number
Spacing Chart 8 Inch Series "C & D"

SERIES	SECOND NUMBER																			
	0	1	2	3	4	5	6	7	8	9										
	C	D	C	D	C	D	C	D	C	D										
0 9	1 ⁶	1 ⁷	1 ⁶	1 ⁷	1 ⁴	1 ⁵	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ⁴	1 ⁵	1 ⁶	1 ⁷	1 ²	1 ⁴	1 ⁶	1 ⁷	1 ⁶	1 ⁷
1	2 ⁰	2 ¹	2 ⁰	2 ¹	2 ⁰	2 ¹	1 ⁶	1 ⁷	1 ⁴	1 ⁵	2 ⁰	2 ¹	2 ⁰	2 ¹	1 ⁴	1 ⁵	2 ⁰	2 ¹	2 ⁰	2 ¹
2 3 4	1 ⁴	1 ⁵	1 ⁴	1 ⁵	1 ⁴	1 ⁵	1 ²	1 ⁴	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ⁴	1 ⁵	1 ¹	1 ²	1 ⁶	1 ⁷	1 ⁴	1 ⁵
5	1 ⁴	1 ⁵	1 ⁴	1 ⁵	1 ⁴	1 ⁵	1 ¹	1 ²	1 ¹	1 ²	1 ⁴	1 ⁵	1 ⁴	1 ⁵	1 ¹	1 ²	1 ⁴	1 ⁵	1 ⁴	1 ⁵
6	1 ⁶	1 ⁷	1 ⁴	1 ⁵	1 ⁴	1 ⁵	1 ²	1 ⁵	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ⁴	1 ⁵	1 ¹	1 ²	1 ⁴	1 ⁵	1 ⁴	1 ⁵
7	1 ²	1 ⁴	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ²	1 ⁵	0 ⁵	0 ⁶	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ¹	1 ²	1 ⁴	1 ⁵	1 ²	1 ⁴
8	1 ⁶	1 ⁷	1 ⁶	1 ⁷	1 ⁴	1 ⁵	1 ²	1 ⁵	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ⁶	1 ⁷	1 ²	1 ⁴	1 ⁶	1 ⁷	1 ⁴	1 ⁵

NUMBER	6 INCH SERIES		8 INCH SERIES	
	C	D	C	D
1	1 ²	1 ⁴	1 ⁵	2 ⁰
2	3 ²	4 ⁰	4 ³	5 ³
3	3 ²	4 ⁰	4 ³	5 ³
4	3 ⁵	4 ³	4 ⁷	5 ⁷
5	3 ²	4 ⁰	4 ³	5 ³
6	3 ²	4 ⁰	4 ³	5 ³
7	3 ²	4 ⁰	4 ³	5 ³
8	3 ²	4 ⁰	4 ³	5 ³
9	3 ²	4 ⁰	4 ³	5 ³
0	3 ⁴	4 ²	4 ⁵	5 ⁵

NOTE: SIGN DIMENSIONS ARE IN ENGLISH UNITS

GENERAL NOTES

- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 834001, 834006 AND 834011, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 6'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
- ALL SIGNS SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND, TYPE A SHEETING.
- THE SIGN LENGTH SHOULD BE INCREASED IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHOULD NOT EXCEED 6'-0".
- ALL BORDERS SHALL BE 3/4" WIDE AND CORNER RADIUS SHALL BE 2-1/4".
- SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS. LOCAL SUPPLIERS OF THE SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM ARE:

- * A.K.T. CORPORATION, SCHAMBURG, IL
- * TUCKER COMPANY, INC., WAUWATOSA, WI
- * AMERICAN FABRICATION CO., CHICAGO HEIGHTS, IL
- * WESTERN TRAFFIC CONTROL INC., CICERO, IL

PARTS LISTING:
SIGN CHANNEL
SIGN SCREWS
BRACKETS
PART #HPN053 (MED. CHANNEL)
1/4" x 14 x 1" H.W.H. #3
SELF TAPPING WITH NEOPRENE WASHER
PART #HPN034 (UNIVERSAL)
CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BRACKET OF THE ABOVE PRODUCT.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

MAST ARM MOUNTED
STREET NAME SIGNS

SCALE: NONE
DATE: MARCH, 2009

DRAWN BY: RDB
DESIGNED BY: JHE
CHECKED BY: DAD



FILE# 8/19/2010 \$TIME\$

TS-19

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLean	497	269
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	


CONTRACT NO. 70514

SCHEDULE OF QUANTITIES LIGHTING ITEMS

CODE NO.	ITEM	UNIT	TOTAL QTY	VETERANS PKWY & MORRIS AVE	VETERANS PKWY & GREENWOOD AVE	MORRIS AVE & SIX POINTS RD
82103250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, PHOTO CELL CONTROL 250 WATT	EACH	10	4	3	3
	CONDUIT PUSHED, 75MM DIA., PVC (SCHEDULE 80)	METER	345	140	80	125
M8170415	ELECTRICAL CABLE IN CONDUIT, 600V (EPR-TYPE RHW), 1/C NO. 6	METER	990	360	290	340
M8170420	ELECTRICAL CABLE IN CONDUIT, 600V (EPR-TYPE RHW), 1/C NO. 8	METER	495	180	145	170
M8190200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	METER	93	25	57	11
MX810070	CONDUIT IN TRENCH, 75MM DIA., PVC, SCHEDULE 80	METER	93	25	57	11
X8250100	LIGHTING CONTROLLER, 100 AMP, POLE MOUNTED	EACH	3	1	1	1
X8410105	TEMPORARY LIGHTING SYSTEM	EACH	2	1	0	1
XX002059	REMOVAL OF EXISTING LIGHTING UNIT - COMPLETE	EACH	6	2	0	4

TS-20

\$FILE\$ 9/15/2010 \$TIME\$


AMES Engineering, Inc.
 Consulting Engineers
 1341 Warren Avenue
 Downers Grove, IL 60515

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: NONE
DATE: MARCH, 2009

DRAWN BY: RV
DESIGNED BY: AS/SM
CHECKED BY: MSA

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.P. 704	(1)	McLEAN	497 270	11 SHEETS
CONTRACT NO. 70514				

BENCHMARK

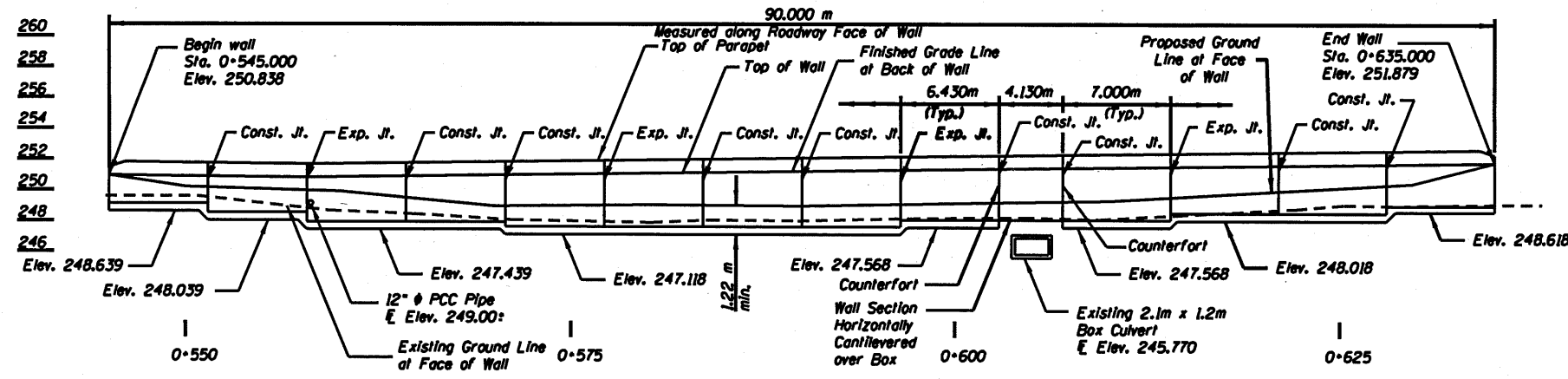
Square cut in the northwest corner of a concrete intake on the south side of Greenwood Avenue East at the west edge of the mobile home park. Station 10+407.6 3.4 m Right of the proposed Greenwood Avenue East alignment. Elevation 249.710.

EXISTING STRUCTURE

No existing structure.

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Porous Granular Embankment, Special	Cu M	300
Structure Excavation	Cu M	381
Concrete Structures	Cu M	258
Reinforcement Bars, Epoxy Coated	Kg	21,190
Geocomposite Wall Drain	Sq M	259
Pipe Under Drains for Structures, 100mm	M	90.0
Protective Coat	Sq M	109
Porous Granular Embankment, Special CA-6	Cu M	54



ELEVATION

⊕ Six Points
O/S To

Station	Front Face of Wall (Meters)	Top of Wall Elev.	Finished Grade F.F. of Wall Elev.
0+545.000	7.482	250.838	250.838
0+550.000	7.318	250.817	250.308
0+560.000	6.990	250.807	249.584
0+570.000	6.662	250.841	249.173
0+580.000	6.335	250.920	248.962
0+590.000	6.007	251.041	248.937
0+600.000	5.679	251.207	249.387
0+610.000	5.351	251.408	249.387
0+620.000	5.350	251.607	249.682
0+630.000	5.350	251.793	250.327
0+635.000	5.350	251.880	251.880

** Top of wall to match proposed edge of shoulder elevations for Six Points Road.

DESIGN SPECIFICATIONS

AASHTO 2002

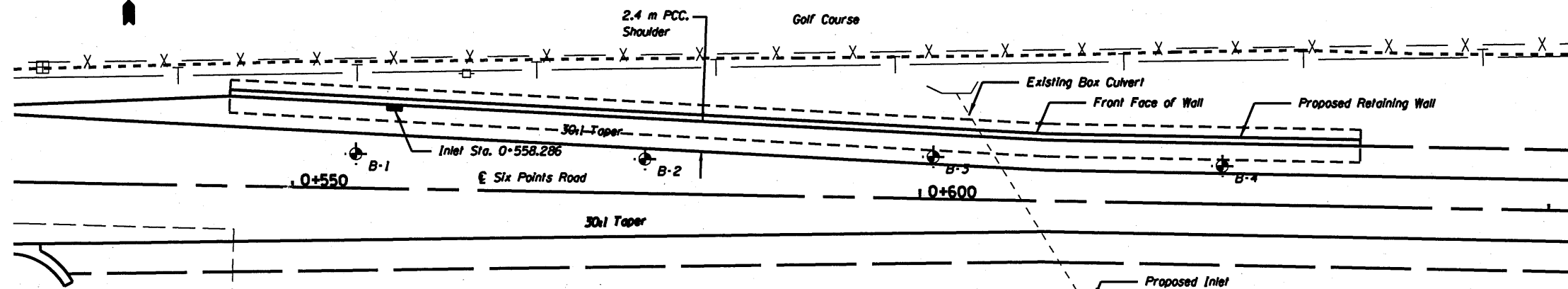
DESIGN STRESSES

FIELD UNITS

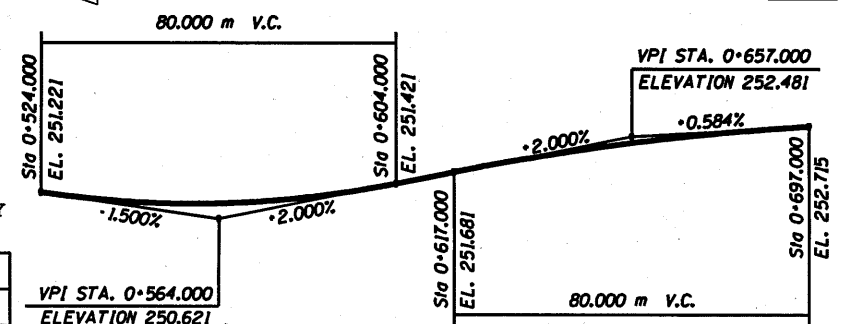
$f'_c = 24 \text{ MPa}$
 $f_y = 420 \text{ MPa (Reinf.)}$

INDEX OF SHEETS

1. GENERAL PLAN
- 2.-5. ELEVATION
- 6.-7. SECTIONS
8. DETAILS AND SECTIONS
9. DETAILS
- 10.-11. SOIL BORINGS



PLAN



SIX POINTS EAST ROADWAY PROFILE

GENERAL NOTES

Protective coat shall be applied to the top and exposed inside faces of wall.
See sheet 6 thru 8 of 11 for wall thru sections and details.

⊕ Denotes soil boring location

Reinforcement bars shall conform to the requirements of ASTM A 706M GR. 420. See Special Provisions.

All exposed edges of the concrete facing shall be chamfered 20mm.

All dimensions are in millimeters (mm) except as noted.

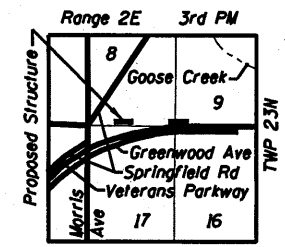
The footing excavation shall be cleaned of loose material and replaced with Porous Granular Embankment, Special CA-6 prior to pouring the concrete.

APPROVED
For Structural Adequacy Only

Ralph E. Anderson (JSD)
Engineer of Bridges & Structures



Signature: *William C. Thompson, Jr.*
Date: 8/19/10
Exp. Date: 11/30/2010



LOCATION SKETCH

SHIVE HATTERY

DESIGNED	JDA
CHECKED	WCT
DRAWN	MAC
CHECKED	WCT

DATE: 06-25-10

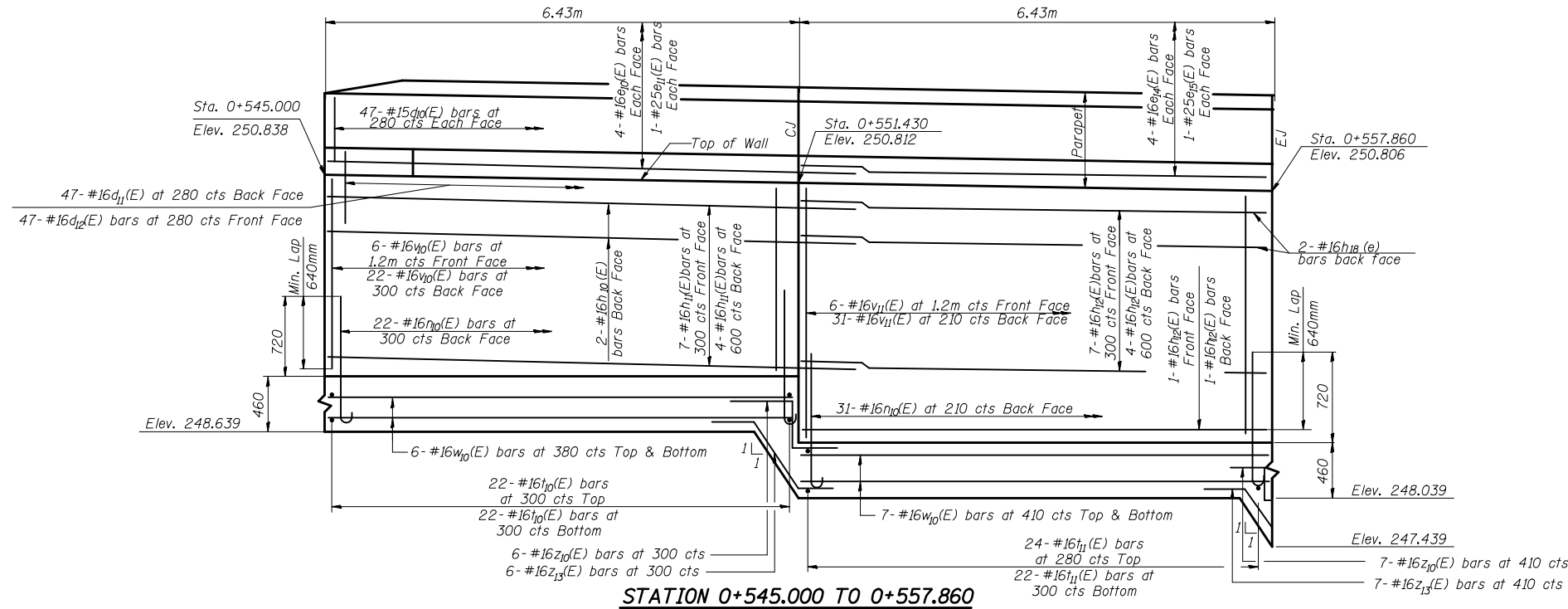
GENERAL PLAN
RETAINING WALL ALONG SIX POINTS ROAD
F.A.P. ROUTE 704 SECTION (1) N&TS-1
McLEAN COUNTY
STATION 0+545.000 TO 0+635.000
STRUCTURE NO. 057-W001

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

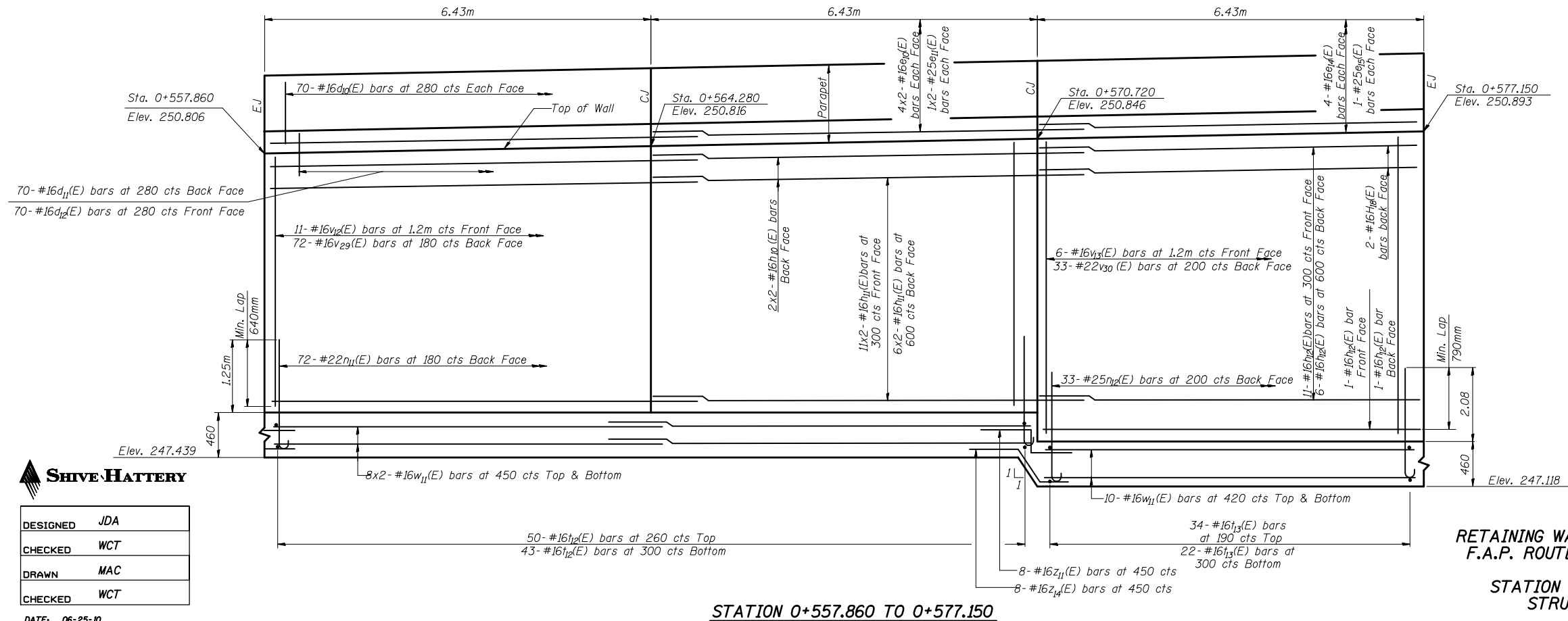
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F.A.P. 704	CDI	McLEAN	497	271
FED. ROAD DIST. NO.	BILLINGS	FED. AID PROJECT		

SHEET NO. 2
11 SHEETS

CONTRACT NO. 70514



NOTE: CJ and EJ denote Construction Joint and Expansion Joint respectively



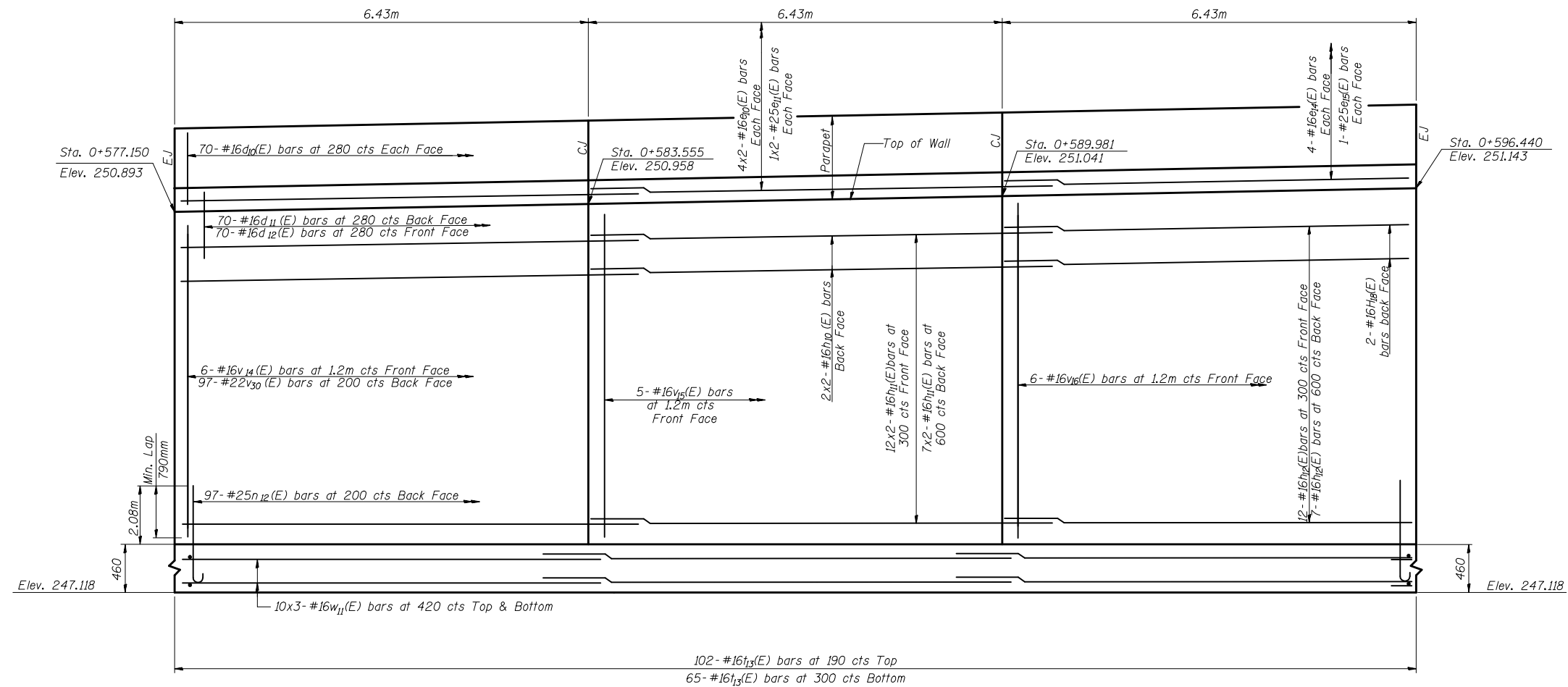
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CHECKED	WCT
DRAWN	MAC
CHECKED	WCT

DATE: 06-25-10

ELEVATION
RETAINING WALL ALONG SIX POINTS ROAD
F.A.P. ROUTE 704 SECTION (I) N&TS-1
McLEAN COUNTY
STATION 0+545.000 TO 0+635.000
STRUCTURE NO. 057-W001

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	DATE	SHEET	SHEET NO. 3
F.A.P. 704	CDI	McLEAN	497	272	11 SHEETS
FED. ROAD DIST. NO.	BILLINGS	FED. AID PROJECT	CONTRACT NO. 70514		



NOTE: CJ and EJ denote Construction Joint and Expansion Joint respectively

STATION 0+577.150 TO 0+596.440



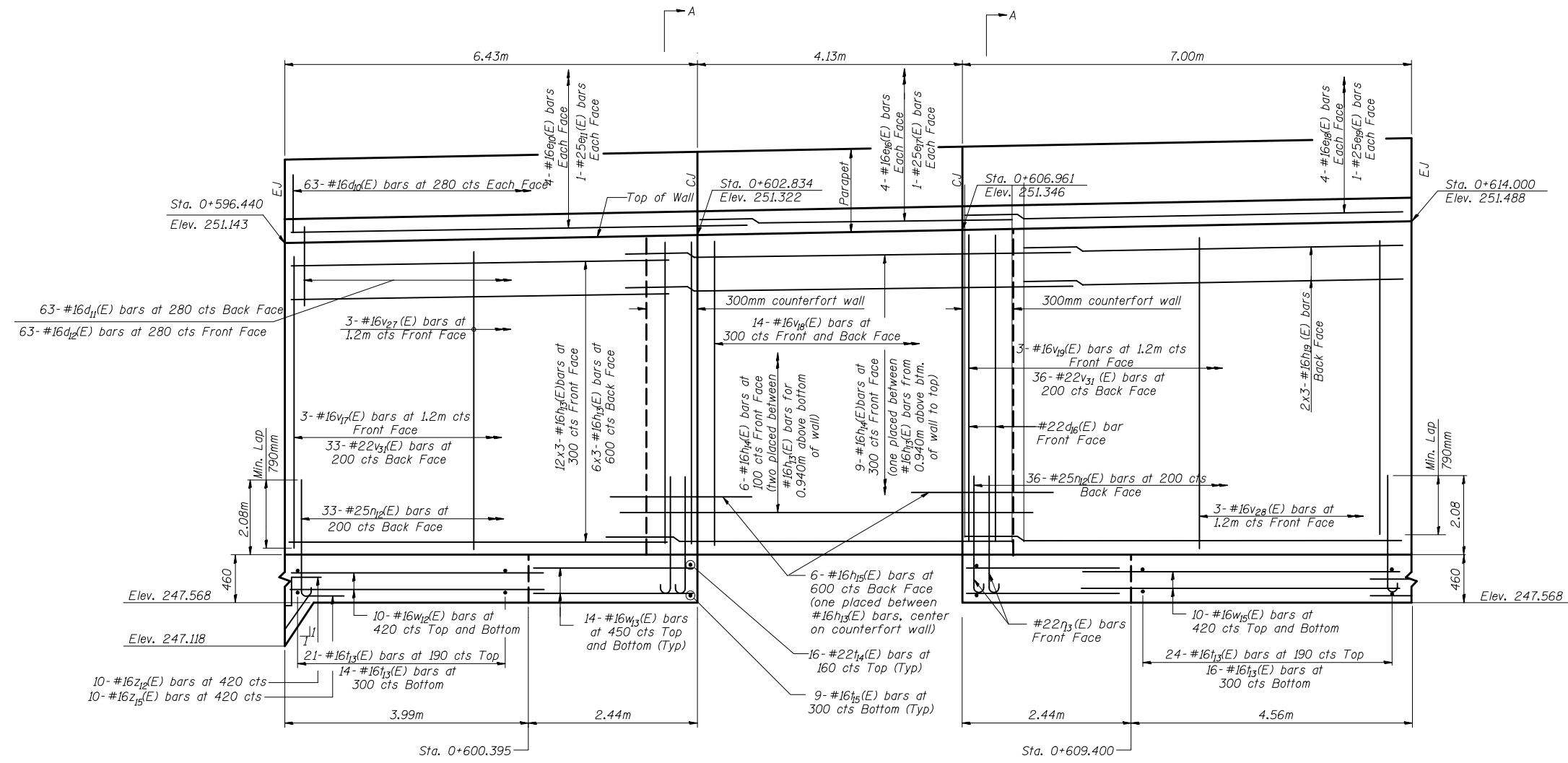
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CHECKED	WCT
DRAWN	MAC
CHECKED	WCT

DATE: 06-25-10

ELEVATION
RETAINING WALL ALONG SIX POINTS ROAD
F.A.P. ROUTE 704 SECTION (1) N&TS-1
McLEAN COUNTY
STATION 0+545.000 TO 0+635.000
STRUCTURE NO. 057-W001

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	POST MILE	SHEET	SHEET NO. 4
P.A.P. 704	CDI	McLEAN	497	273	11 SHEETS
FED. ROAD DIST. NO.	B.L.L.M.S.	FED. AID PROJECT	CONTRACT NO. 70514		



NOTE: CJ and EJ denote Construction Joint and Expansion Joint respectively

STATION 0+596.440 TO 0+614.000



DESIGNED	JDA
CHECKED	WCT
DRAWN	MAC
CHECKED	WCT

DATE: 06-25-10

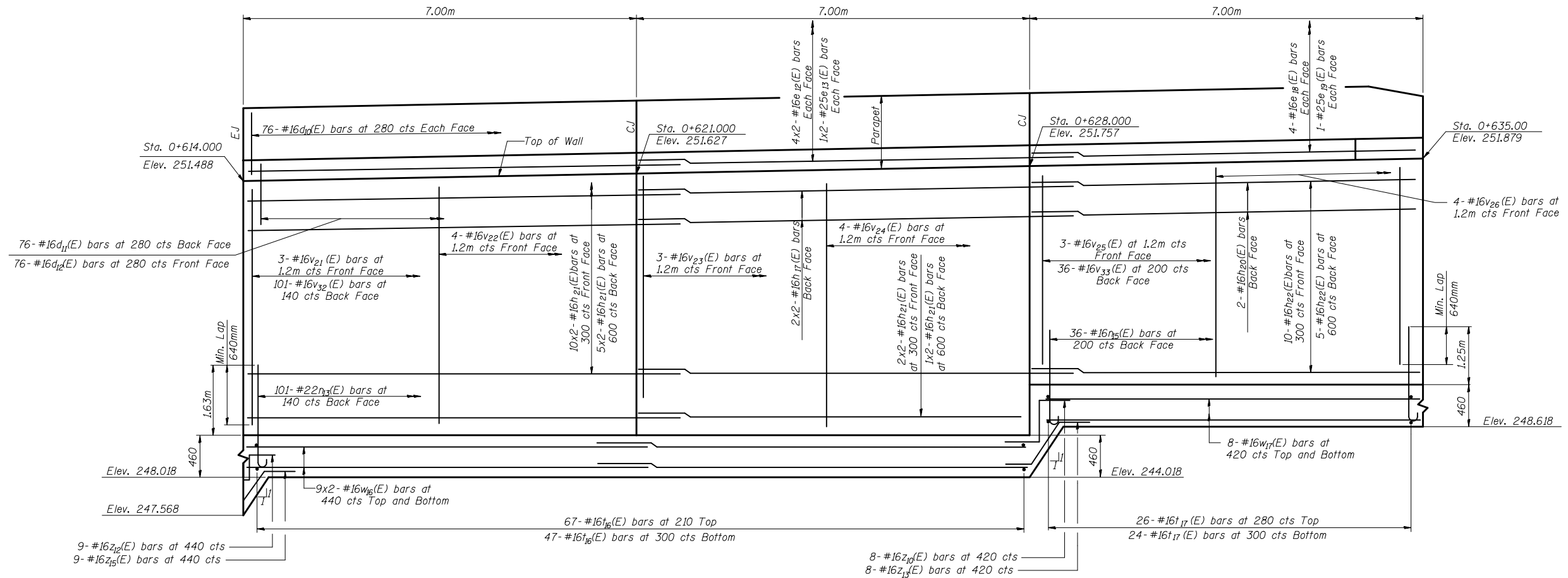
ELEVATION
RETAINING WALL ALONG SIX POINTS ROAD
F.A.P. ROUTE 704 SECTION (1) N&TS-1
McLEAN COUNTY
STATION 0+545.000 TO 0+635.000
STRUCTURE NO. 057-W001

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	DATE	SHEET
P.A.P. 704	CDI	McLEAN	497	274
FED. ROAD DIST. NO.	BILLINGS	FED. AID PROJECT		

SHEET NO. 5
11 SHEETS

CONTRACT NO. 70514



NOTE: CJ and EJ denote Construction Joint and Expansion Joint respectively

STATION 0+614.000 TO 0+635.000



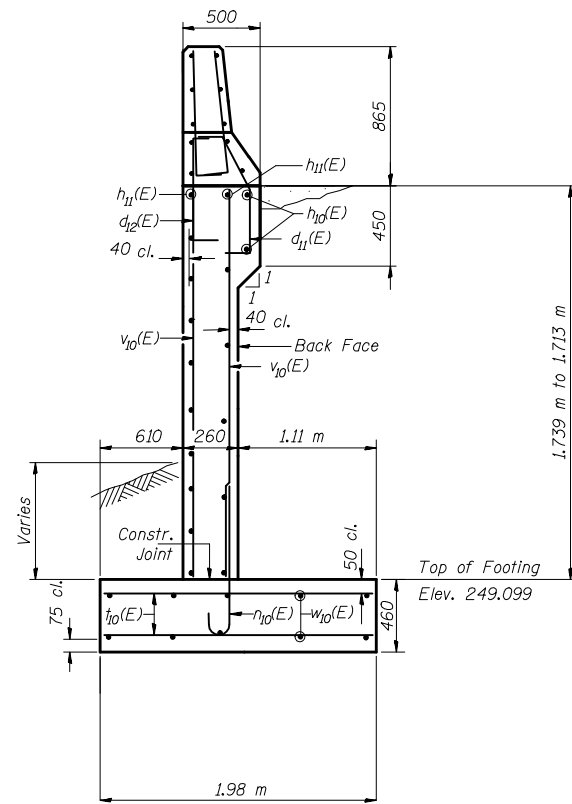
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DRAWN	MAC
CHECKED	WCT

DATE: 06-25-10

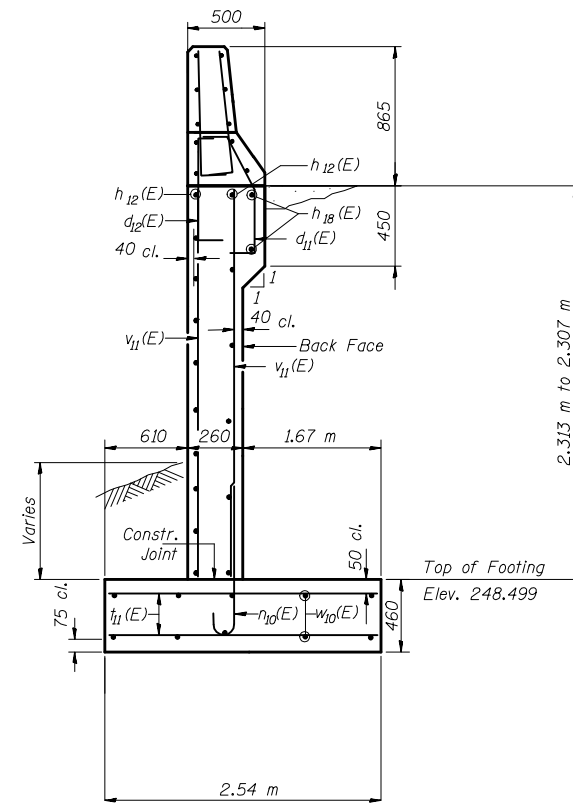
ELEVATION
RETAINING WALL ALONG SIX POINTS ROAD
F.A.P. ROUTE 704 SECTION (1) N&TS-1
McLEAN COUNTY
STATION 0+545.000 TO 0+635.000
STRUCTURE NO. 057-W001

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

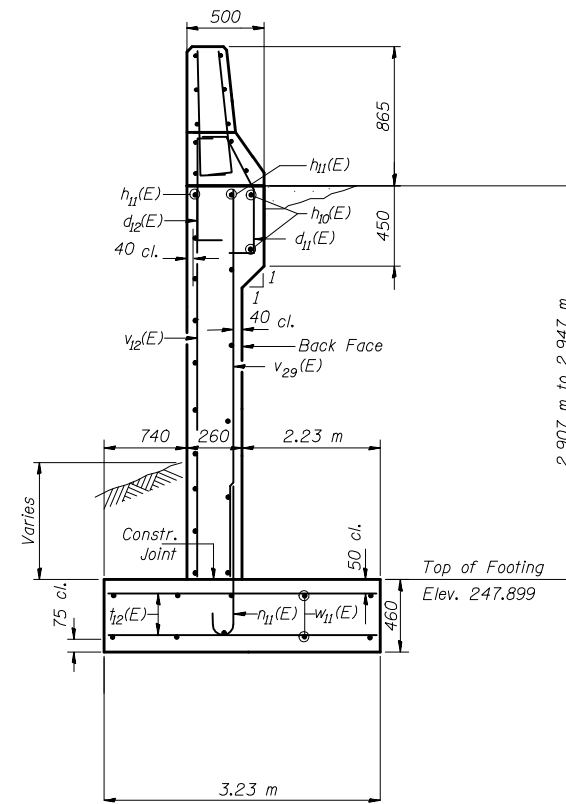
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FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 70514		



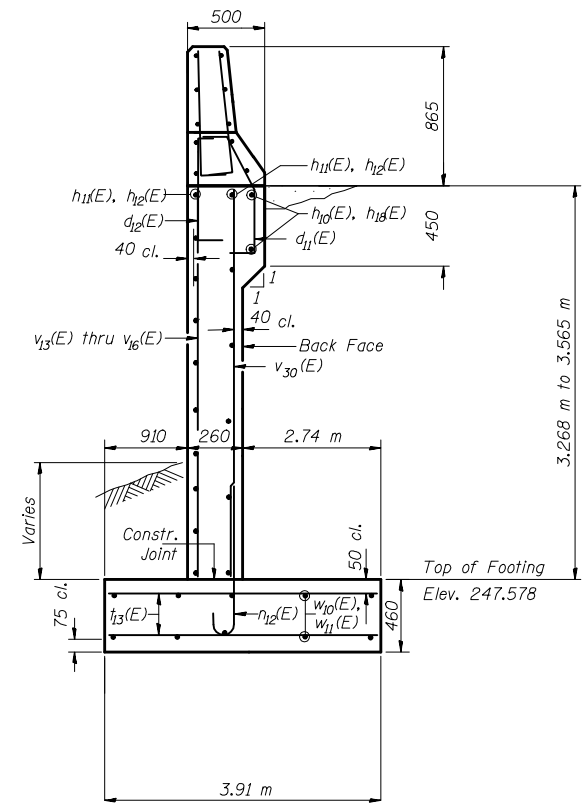
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STATION 0+551.430 - 0+557.860



STATION 0+557.860 - 0+570.720



STATION 0+570.720 - 0+596.440



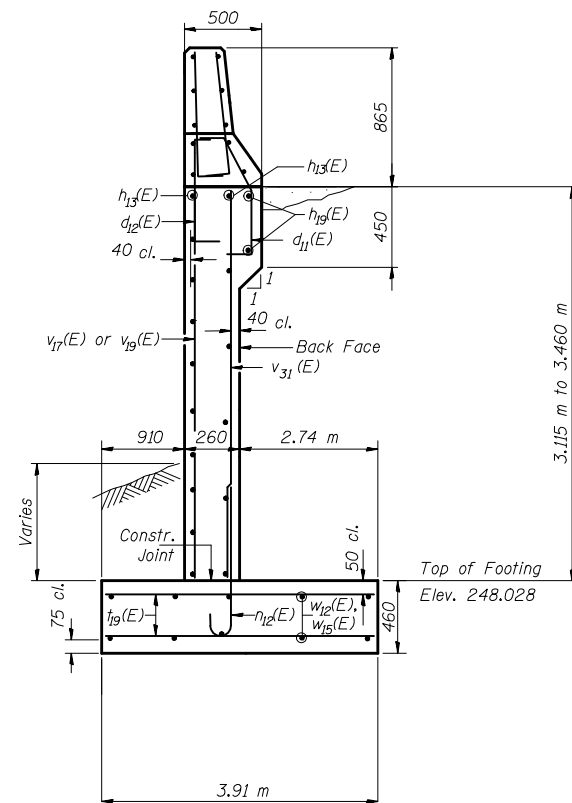
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CHECKED	WCT
DRAWN	MAC
CHECKED	WCT

DATE: 06-25-10

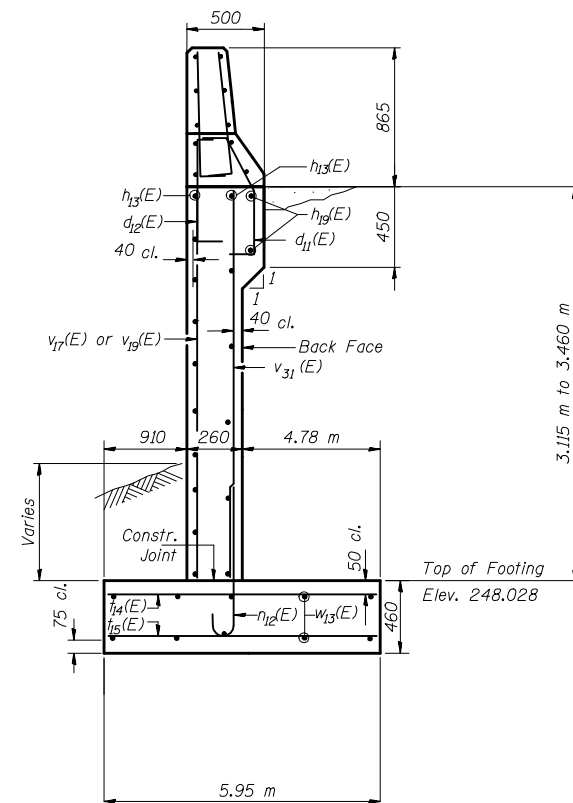
SECTIONS
RETAINING WALL ALONG SIX POINTS ROAD
F.A.P. ROUTE 704 SECTION (I) N&TS-1
McLEAN COUNTY
STATION 0+545.000 TO 0+635.000
STRUCTURE NO. 057-W001

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

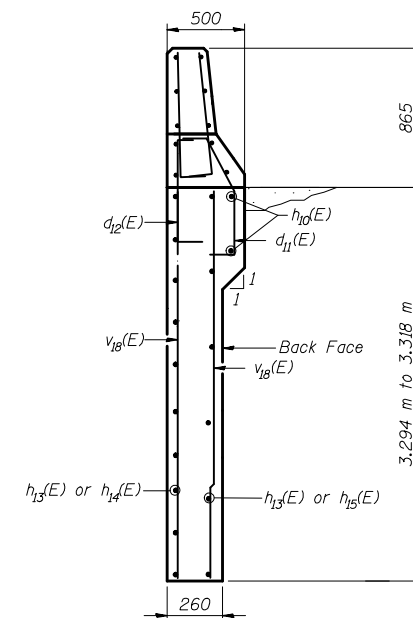
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FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 70514		



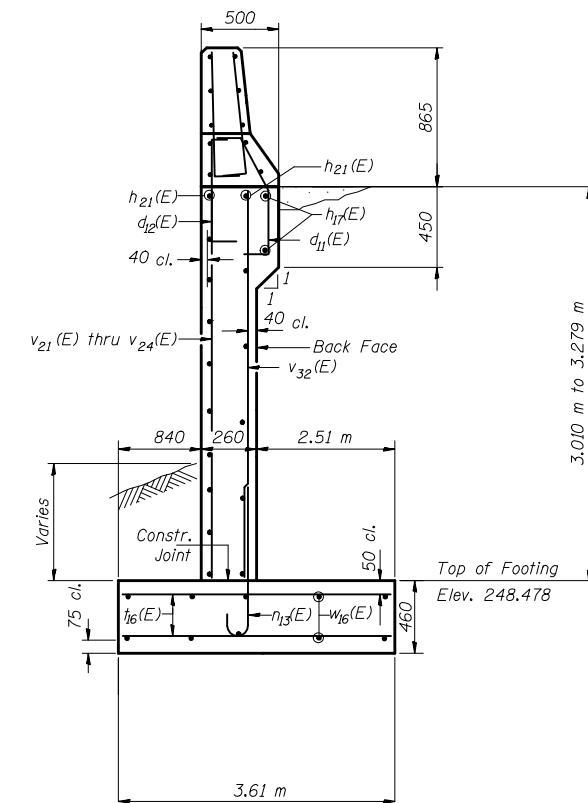
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STATION 0+609.400 - 0+614.000



STATION 0+600.395 - 0+602.834
STATION 0+606.961 - 0+609.400



STATION 0+602.834 - 0+606.961



STATION 0+614.000 - 0+628.000



DESIGNED	JDA
CHECKED	WCT
DRAWN	MAC
CHECKED	WCT

DATE: 06-25-10

SECTIONS
RETAINING WALL ALONG SIX POINTS ROAD
F.A.P. ROUTE 704 SECTION (1) N&TS-1
McLEAN COUNTY
STATION 0+545.000 TO 0+635.000
STRUCTURE NO. 057-W001

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET NO. 1
F.A.P. 704	(1)	McLEAN	497 291	79 SHEETS
FED. AID DIST. NO.	ALTERN.	FED. AID PROJECT		

CONTRACT NO. 705M

BENCHMARK

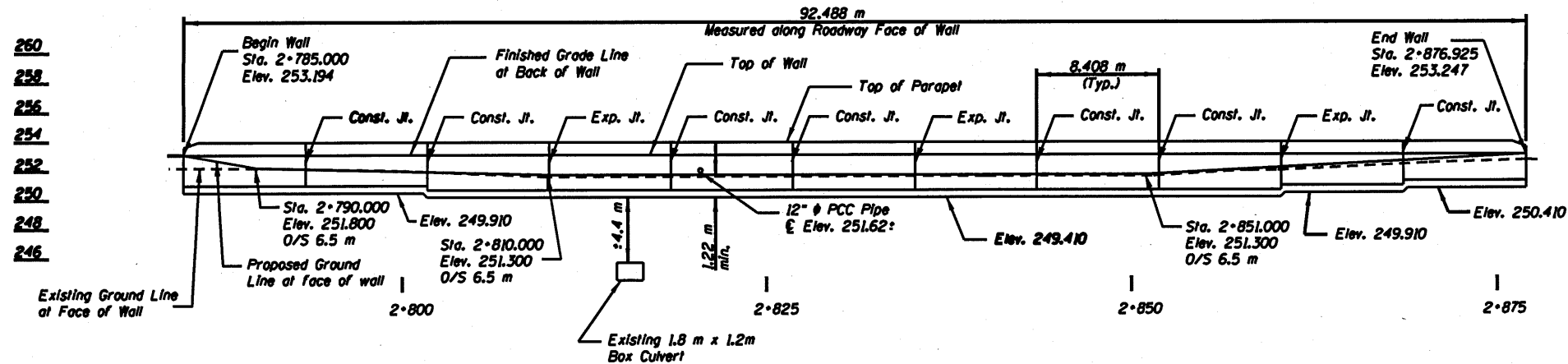
Square cut in the northwest corner of a concrete intake on the south side of Greenwood Avenue East at the west edge of the mobile home park. Station 10+407.6 3.4 m Right of the proposed Greenwood Avenue East alignment. Elevation 249.710.

EXISTING STRUCTURE

No existing structure.

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Porous Granular Embankment, Special	Cu M	312
Structure Excavation	Cu M	908
Concrete Structures	Cu M	259
Reinforcement Bars, Epoxy Coated	Kg	20,340
Geocomposite Wall Drain	Sq M	267
Pipe Under Drains for Structures, 100mm	M	92.5
Protective Coat	Sq M	112
Porous Granular Embankment, Special CA-6	Cu M	54

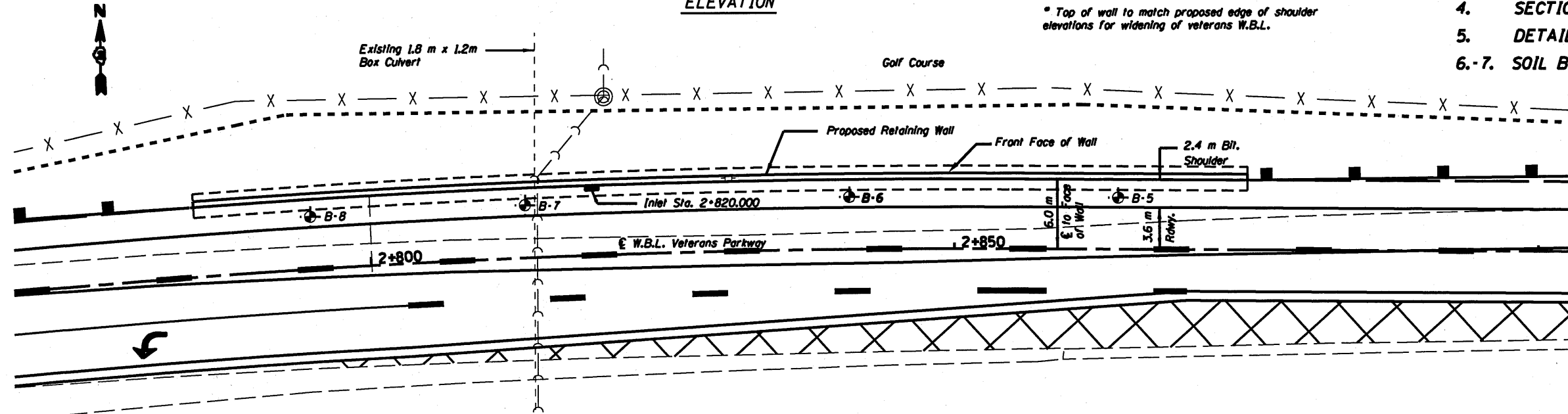


ELEVATION

* Top of wall to match proposed edge of shoulder elevations for widening of veterans W.B.L.

INDEX OF SHEETS

1. GENERAL PLAN
- 2-3. ELEVATION
4. SECTIONS AND DETAILS
5. DETAILS
- 6-7. SOIL BORINGS



CURVE DATA

F.A.P. Route 704 (1-55 BL.)
CVSB - 3
Δ = 22°45'00" (RT)
R = 882.258 m
T = 177.494 m
L = 350.312 m
E = 17.677 m
PC = 2+504.540
PI = 2+682.034
PT = 2+854.852

APPROVED PLAN
For Structural Adequacy Only

Ralph E. Anderson (109)
Engineer of Bridges & Structures

GENERAL NOTES

Protective coat shall be applied to the top and exposed inside faces of wall.
See sheet 4 of 7 for wall thru sections and details.

⊕ Denotes soil boring location

Reinforcement bars shall conform to the requirements of ASTM A 706M GR 420. See Special Provisions.

All exposed edges of the concrete facing shall be chamfered 20mm.

All dimensions are in millimeters (mm) except as noted

The footing excavation shall be cleaned of loose material and replaced with Porous Granular Embankment, Special CA-6 prior to pouring the concrete.

DESIGN SPECIFICATIONS

AASHTO 2002

DESIGN STRESSES

FIELD UNITS

$f_c = 24 \text{ MPa}$
 $f_s = 420 \text{ MPa (Reinf.)}$

Station	Front Face of Wall (Meters)	Top of Wall Elev.
2+785.000	6.500	253.194
2+790.000	6.500	253.202
2+800.000	6.500	253.192
2+810.000	6.500	253.157
2+820.000	6.500	253.152
2+830.000	6.500	253.125
2+840.000	6.500	253.139
2+850.000	6.500	253.185
2+860.000	6.500	253.229
2+870.000	6.500	253.236
2+877.000	6.500	253.247

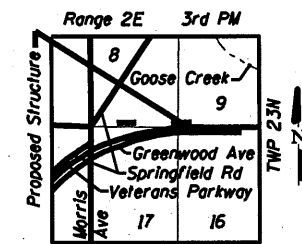
SHIVE HATTERY

DESIGNED	JDA
CHECKED	WCT
DRAWN	MAC
CHECKED	WCT

DATE: 06-25-10



Signature: *William C. Thompson, Jr.*
Date: 8/19/10
Exp. Date: 11/30/2010



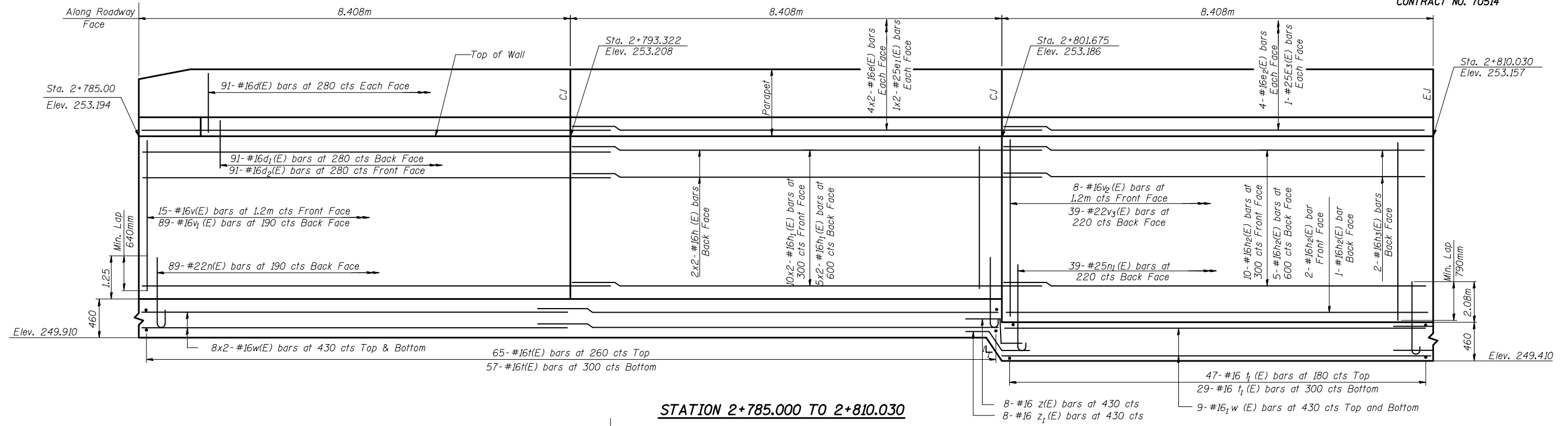
LOCATION SKETCH

GENERAL PLAN
RETAINING WALL ALONG
W.B.L. VETERANS PARKWAY
F.A.P. ROUTE 704 SECTION (1) N&TS-1
McLEAN COUNTY
STATION 2+785.000 TO 2+877.000
STRUCTURE NO. 057-W002

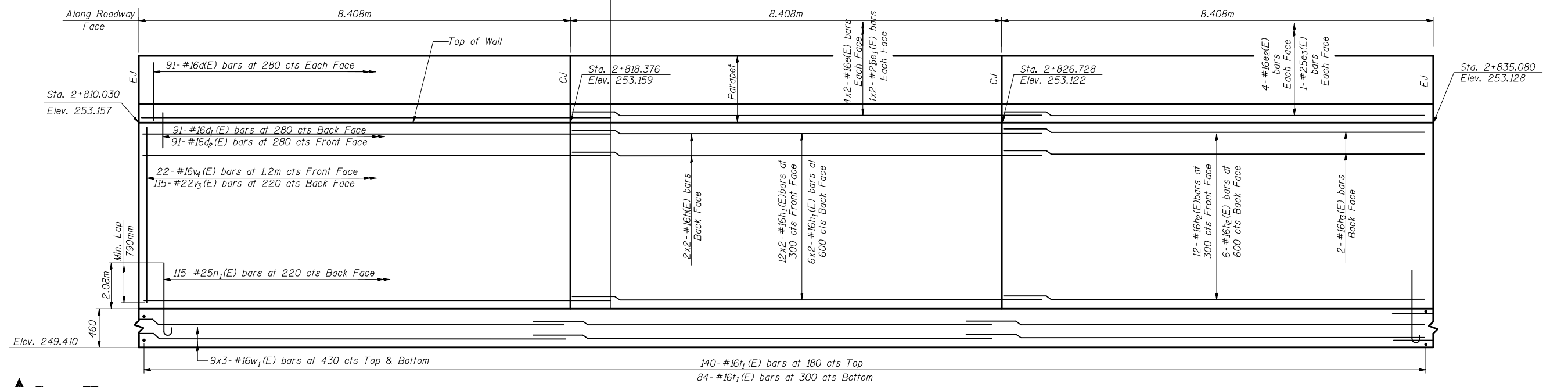
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	DATE	SHEET	SHEET NO. 2 7 SHEETS
F.A.P. 704	CDI	McLEAN	497	282	
FED. ROAD DIST. NO.		FED. AID PROJECT			

CONTRACT NO. 70514



STATION 2+785.000 TO 2+810.030



STATION 2+810.030 TO 2+835.080



DESIGNED	Jda
CHECKED	WCT
DRAWN	mac
CHECKED	WCT

NOTE: CJ and EJ denote Construction Joint and Expansion Joint respectively

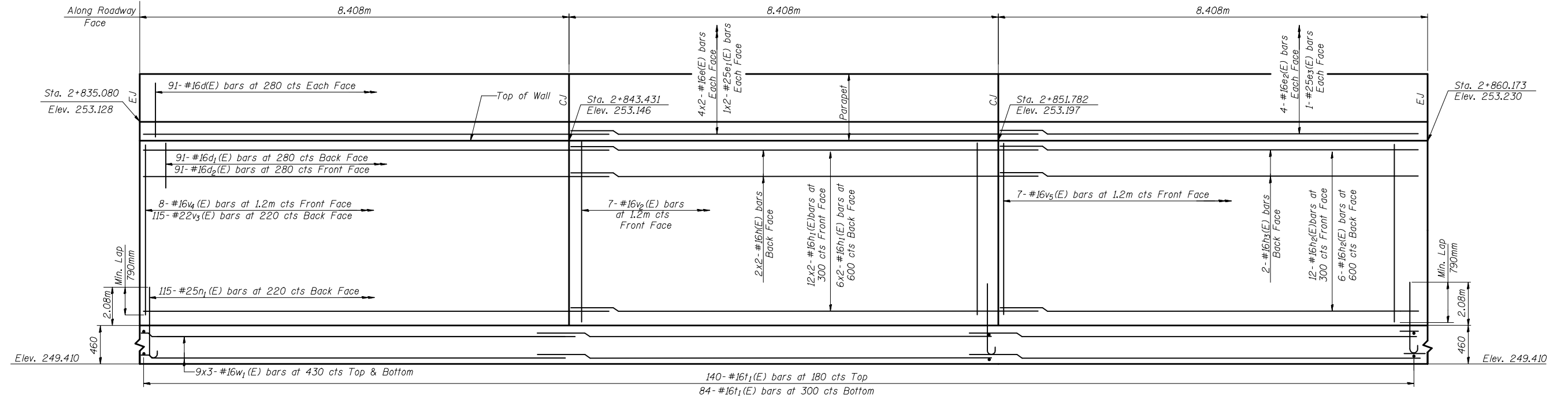
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ELEVATION
RETAINING WALL ALONG
W.B.L. VETERANS PARKWAY
F.A.P. ROUTE 704 SECTION (1) N&TS-1
McLEAN COUNTY
STATION 2+785.000 TO 2+877.000
STRUCTURE NO. 057-W002

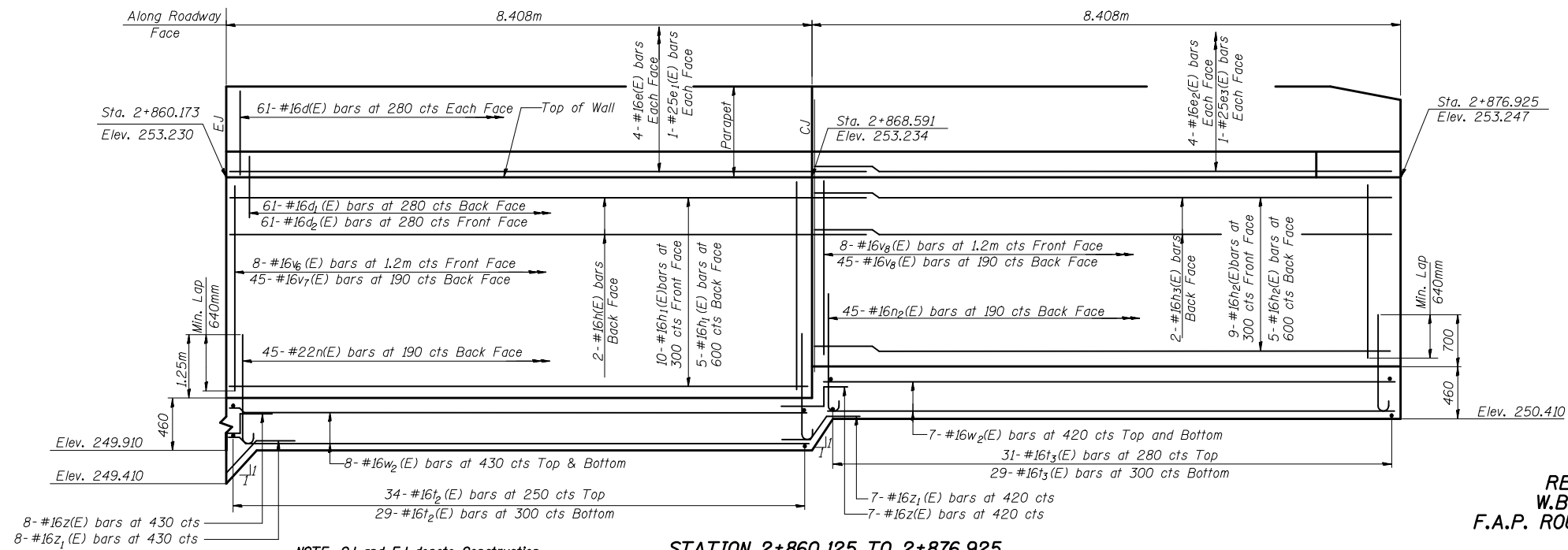
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	DATE	SHEET	SHEET NO. 3
F.A.P. 704	CDI	McLEAN	497	283	7 SHEETS
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT			

CONTRACT NO. 70514



STATION 2+835.080 TO 2+860.173



NOTE: CJ and EJ denote Construction Joint and Expansion Joint respectively

STATION 2+860.125 TO 2+876.925



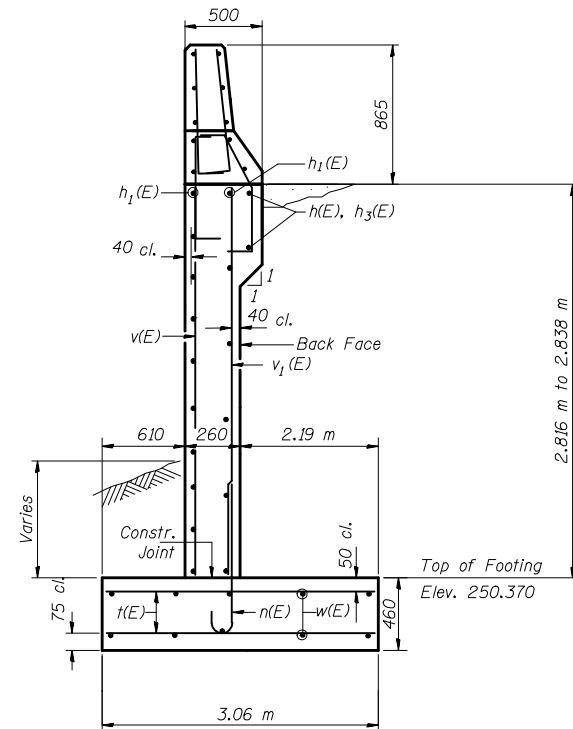
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DRAWN	mac
CHECKED	WCT

DATE: 06-25-10

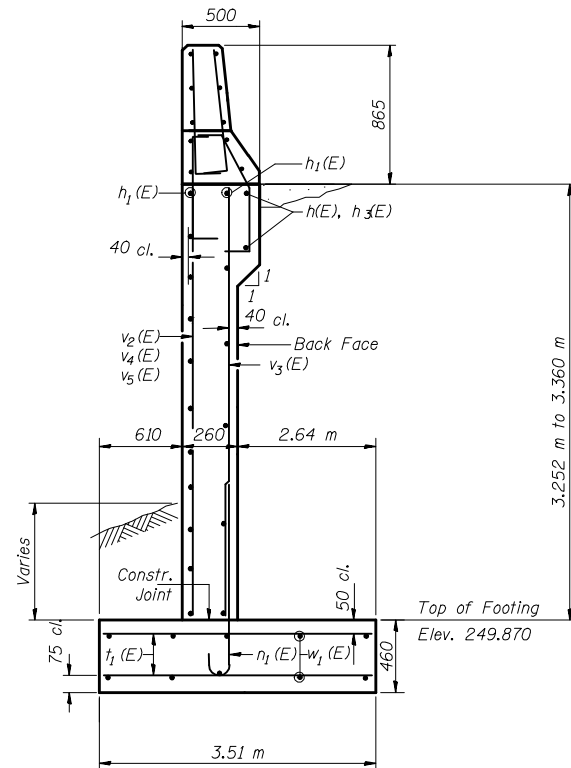
ELEVATION
RETAINING WALL ALONG
W.B.L. VETERANS PARKWAY
F.A.P. ROUTE 704 SECTION (D) N&TS-1
McLEAN COUNTY
STATION 2+785.000 TO 2+877.000
STRUCTURE NO. 057-W002

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

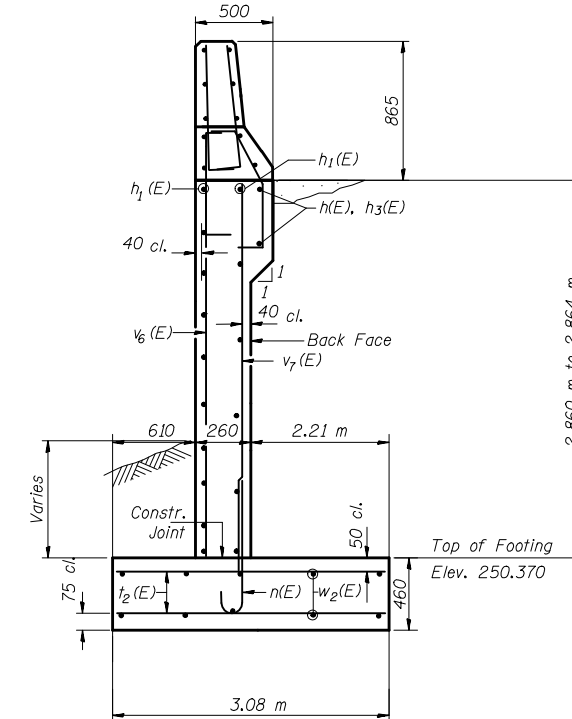
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F.A.P. 704	CDI	McLEAN	497	284	
FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT	
CONTRACT NO. 70514					



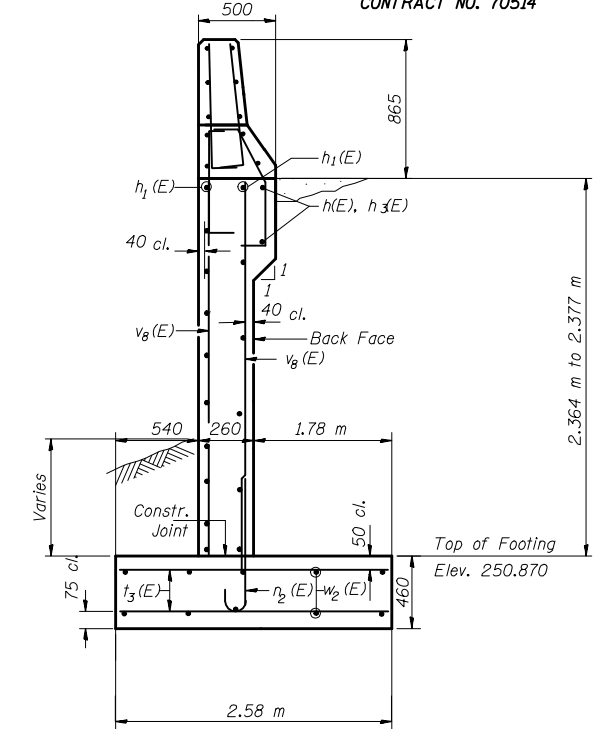
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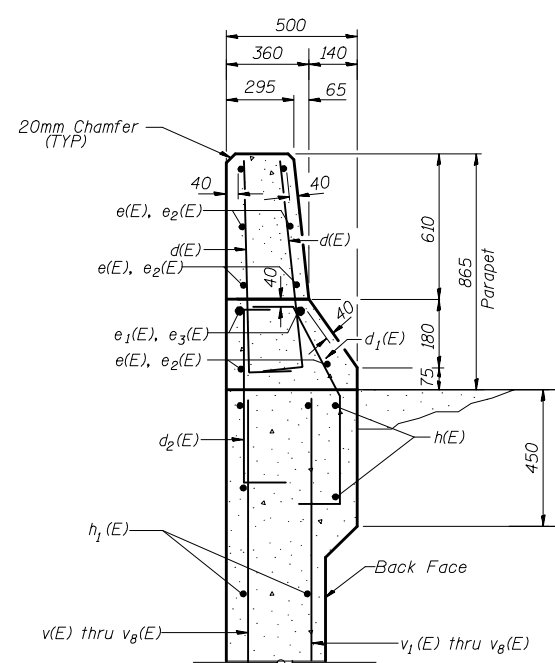
STATION 2+801.675 - 2+860.173



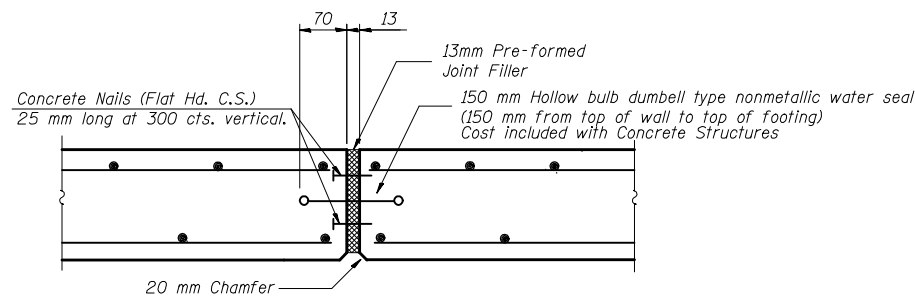
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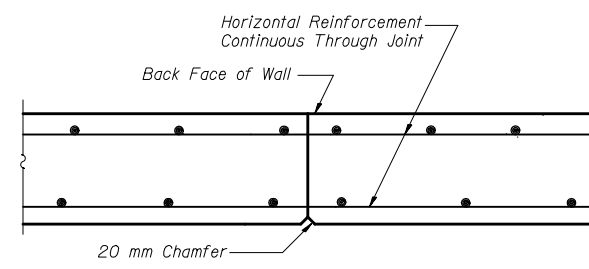
STATION 2+868.591 - 2+876.925



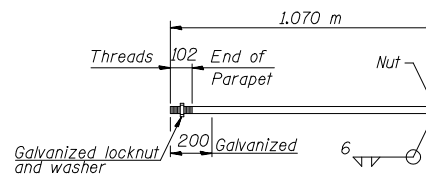
RAIL DETAIL



EXPANSION JOINT (TYPICAL)

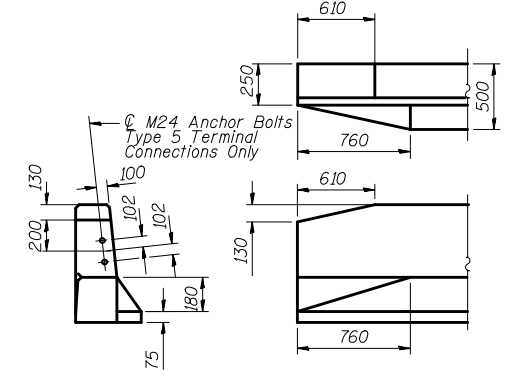


CONSTRUCTION JOINT (TYPICAL)



M24 ANCHOR BOLT
(Cost included with Concrete Structures)

Type 5 terminal connections only. West end of retaining wall, see Roadway Plans.



PARAPET RAIL END SECTION DETAILS

SECTIONS AND DETAILS
RETAINING WALL ALONG
W.B.L. VETERANS PARKWAY
F.A.P. ROUTE 704 SECTION (1) N&T-1
McLEAN COUNTY
STATION 2+785.000 TO 2+877.000
STRUCTURE NO. 057-W002

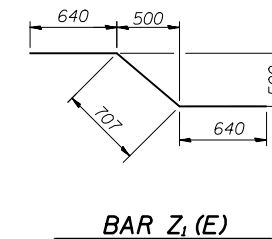
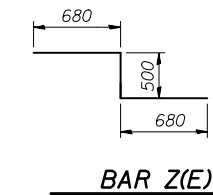
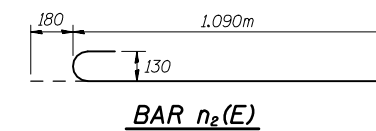
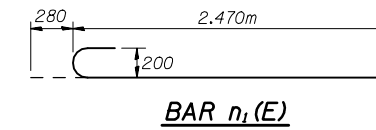
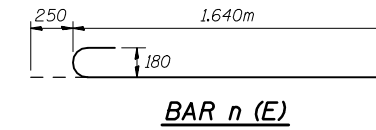
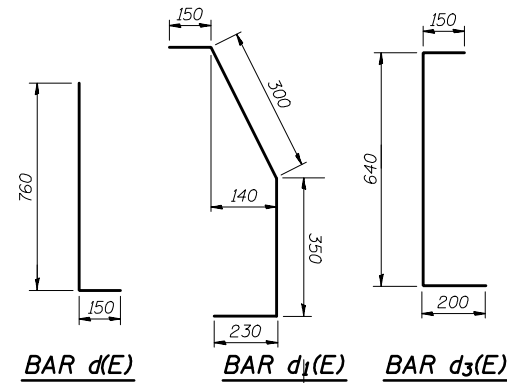


DESIGNED	Jda
CHECKED	WCT
DRAWN	mac
CHECKED	WCT

DATE: 06-25-10

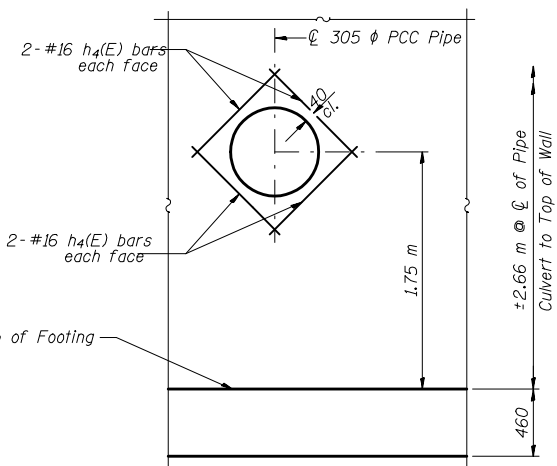
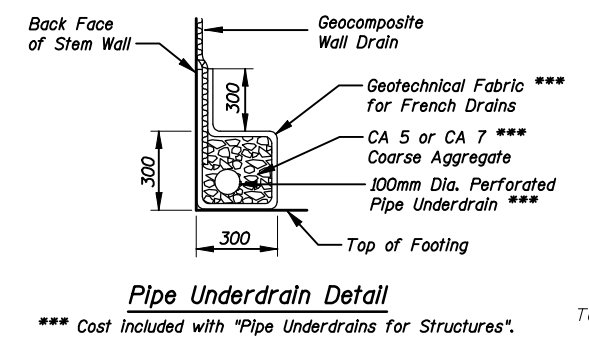
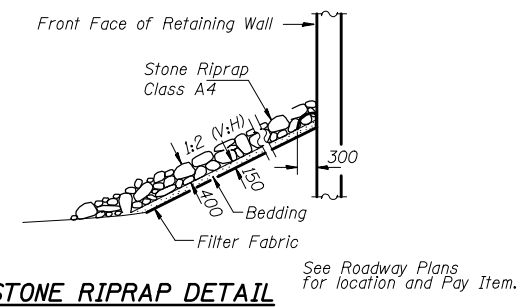
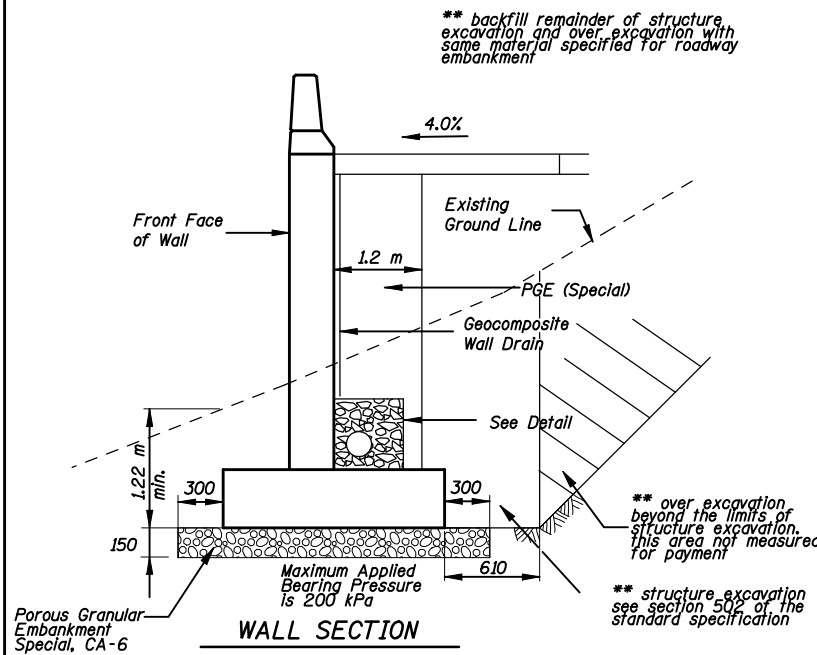
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	STATION	SHEET	SHEET NO. 5 7 SHEETS
F.A.P. 704	CDI	McLEAN	497	285	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 70514		



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d(E)	668	#16	0.910m	┌
d1(E)	334	#16	1.030m	┌
d2(E)	334	#16	0.990m	┌
e(E)	56	#16	9.050m	—
e1(E)	14	#25	9.730m	—
e2(E)	32	#16	8.330m	—
e3(E)	8	#25	8.330m	—
h(E)	14	#16	9.050m	—
h1(E)	117	#16	9.050m	—
h2(E)	68	#16	8.330m	—
h3(E)	8	#16	8.330m	—
h4(E)	8	#16	0.790m	—
n(E)	134	#22	1.890m	┌
n1(E)	269	#25	2.750m	┌
n2(E)	45	#16	1.270m	┌
t(E)	122	#16	2.98m	—
t1(E)	524	#16	3.43m	—
t2(E)	63	#16	3.00m	—
t3(E)	60	#16	2.50m	—
v(E)	15	#16	2.780m	—
v1(E)	89	#16	2.340m	—
v2(E)	15	#16	3.240m	—
v3(E)	269	#22	2.560m	—
v4(E)	30	#16	3.210m	—
v5(E)	7	#16	3.290m	—
v6(E)	8	#16	2.820m	—
v7(E)	45	#16	2.370m	—
v8(E)	53	#16	2.320m	—
w(E)	32	#16	8.690m	—
w1(E)	126	#16	8.950m	—
w2(E)	30	#16	8.330m	—
z(E)	23	#16	1.860m	┌
z1(E)	23	#16	1.990m	┌
Concrete Structures			m ³	259
Reinforcement Bars, Epoxy Coated			kg	20,350



MIN. BAR LAP

#16	640mm
#25	1.320m

Bars indicated thus 12 x 4-#15 etc. indicates 12 lines of bars with 4 lengths per line.

Reinforcement bars designated (E) shall be epoxy coated. All construction joints shall be bonded.



DESIGNED	Jda
CHECKED	WCT
DRAWN	mac
CHECKED	WCT

DATE: 06-25-10

DETAILS
RETAINING WALL ALONG
W.B.L. VETERANS PARKWAY
F.A.P. ROUTE 704 SECTION (1) N&TS-1
McLEAN COUNTY
STATION 2+785.000 TO 2+877.000
STRUCTURE NO. 057-W002

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	FED. AID DIST. NO.	SHEET NO.
F.A.P. 704	(1)	McLEAN	497	286
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	SHEET NO. 6 7 SHEETS	

Contract No. 70514

Page 1 of 1

Date 10/20/03

SOIL BORING LOG

ROUTE FAP 704(1-55BL) DESCRIPTION RETAINING WALL #2: STA 2+785 TO 2+875 LOGGED BY IDOT-LM

SECTION (1) LOCATION NE 1/4, SEC. 17, TWP. 23N, RNG. 2E, 3rd PM

COUNTY MCLEAN DRILLING METHOD Hollow Stem Auger HAMMER TYPE AUTOMATIC

STRUCT. NO. Station	D E P T H S	B L O W S	U C S	M O D E	Surface Water Elev. _____ m	Stream Bed Elev. _____ m	Groundwater Elev.: First Encounter _____ m	Upon Completion _____ m	After _____ m	D E P T H S	B L O W S	U C S	M O D E	Surface Water Elev. _____ m	Stream Bed Elev. _____ m	Groundwater Elev.: First Encounter _____ m	Upon Completion _____ m	After _____ m	
																			(m)
AUGERED SHOULDER STONE & CA06 Over Gray SANDY CLAY LOAM (FILL)																			
Very Stiff Gray SANDY CLAY LOAM & SILTY CLAY LOAM (FILL)																			
Hard Brown SANDY CLAY LOAM (FILL)																			
Very Stiff Brown SANDY CLAY LOAM & SILTY CLAY (FILL)																			
Very Stiff Gray & Brown SILTY CLAY LOAM (FILL)																			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T208)
BBS, from 137 (Rev. 8-99)

Page 1 of 1

Date 10/20/03

SOIL BORING LOG

ROUTE FAP 704(1-55BL) DESCRIPTION RETAINING WALL #2: STA 2+785 TO 2+875 LOGGED BY IDOT-LM

SECTION (1) LOCATION NE 1/4, SEC. 17, TWP. 23N, RNG. 2E, 3rd PM

COUNTY MCLEAN DRILLING METHOD Hollow Stem Auger HAMMER TYPE AUTOMATIC

STRUCT. NO. Station	D E P T H S	B L O W S	U C S	M O D E	Surface Water Elev. _____ m	Stream Bed Elev. _____ m	Groundwater Elev.: First Encounter _____ m	Upon Completion _____ m	After _____ m	D E P T H S	B L O W S	U C S	M O D E	Surface Water Elev. _____ m	Stream Bed Elev. _____ m	Groundwater Elev.: First Encounter _____ m	Upon Completion _____ m	After _____ m	
																			(m)
AUGERED SHOULDER STONE & CA06 Over Gray SANDY CLAY LOAM (FILL)																			
Very Stiff Gray SANDY CLAY LOAM (FILL)																			
Hard Brown SANDY CLAY LOAM (FILL)																			
Hard Gray & Brown SANDY CLAY LOAM (FILL)																			
Stiff Gray SILTY CLAY (FILL)																			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T208)
BBS, from 137 (Rev. 8-99)



DESIGNED	JDA
CHECKED	WCT
DRAWN	MAC
CHECKED	WCT

DATE: 05-05-06

SOIL BORINGS 1
RETAINING WALL ALONG
W.B.L. VETERANS PARKWAY
F.A.P. ROUTE 704 SECTION (1) N&TS-1
McLEAN COUNTY
STATION 2+785.000 TO 2+877.000
STRUCTURE NO. 057-W002

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET NO.
F.A.P. 704	CDI	McLEAN	497	287
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

Contract No. 70514

Page 1 of 1

SOIL BORING LOG

Date 10/20/09

ROUTE FAP 704(I-55BL) DESCRIPTION RETAINING WALL #2; STA 2+785 TO 2+875 LOGGED BY IDOT-LM

SECTION (1) LOCATION NE 1/4, SEC. 17, TWP. 23N, RNG. 2E, 3rd PM

COUNTY MCLEAN DRILLING METHOD Hollow Stem Auger HAMMER TYPE AUTOMATIC

STRUCT. NO. _____

Station _____

BORING NO. 07 BY VETS SBL

Station 818+00

Offset 0.91m LT CL SBL

Ground Surface Elev. 253.20 m (m) (mm) (kPa) (%)

DEPTH (m)	DESCRIPTION	UCS (kPa)	Failure Mode	DEPTH (m)	DESCRIPTION	UCS (kPa)	Failure Mode
2	Stiff Gray CLAY LOAM with ORGANICS (continued)	153	B	2	Stiff Gray CLAY LOAM with ORGANICS (continued)	153	B
3				3			
4				4			
246.49	Soft Gray & Black CLAY LOAM with ORGANICS			246.49	Soft Gray & Black CLAY LOAM with ORGANICS		
1				1			
2				2			
245.73	Very Stiff Brown-Gray SANDY CLAY LOAM TILL			245.73	Very Stiff Brown-Gray SANDY CLAY LOAM TILL		
1				1			
5				5			
7				7			
244.97	Hard Brown SANDY CLAY LOAM TILL			244.97	Hard Brown SANDY CLAY LOAM TILL		
4				4			
7				7			
12				12			
250.76	Very Stiff Brown SANDY CLAY LOAM (FILL)			250.76	Very Stiff Brown SANDY CLAY LOAM (FILL)		
3				3			
4				4			
6				6			
251.67	Hard Gray SANDY CLAY LOAM (FILL)			251.67	Hard Gray SANDY CLAY LOAM (FILL)		
3				3			
4				4			
6				6			
249.80	Stiff Gray SANDY CLAY LOAM TILL			249.80	Stiff Gray SANDY CLAY LOAM TILL		
5				5			
7				7			
12				12			
248.02	Very Stiff Gray-Brown LOAM with SHELLS			248.02	Very Stiff Gray-Brown LOAM with SHELLS		
3				3			
4				4			
6				6			
247.25				247.25			
3				3			
4				4			
6				6			
242.07	End of Boring			242.07	End of Boring		
2				2			
4				4			
7				7			
242.07				242.07			
2				2			
4				4			
7				7			
242.07				242.07			
2				2			
4				4			
7				7			
242.07				242.07			
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7				7			
242.07				242.07			
2				2			
4				4			
7							

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLEAN	497	290
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

ROUTE FAP 704(L-55BL) DESCRIPTION MAST ARM FOUNDATION AT MORRIS AVENUE & VETERANS PARKWAY LOGGED BY K.W. Date 2/7/02

SECTION (1)I LOCATION NE 14, SEC. 17, TWP. 23N, RNG. 2E, 3rd PM

COUNTY McLEAN DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.		D	B	U	M	Surface Water Elev.	m	D	B	U	M
Station		E	L	C	O	Stream Bed Elev.	m	E	L	C	O
BORING NO. <u>3 SW QUAD</u>		F	P	O	S	Groundwater Elev.:		F	P	O	S
Station		T	W	S	I	First Encounter	m	T	W	S	I
Offset		H	S	Q	T	Upon Completion	m	H	S	Q	T
Ground Surface Elev.	m	(m)	(150 mm)	(kPa)	(%)	After 24 Hrs.	m	(m)	(150 mm)	(kPa)	(%)

ALUGERED Black SILTY CLAY LOAM & Brown CLAY LOAM TILL					Loose Brown Fine to Medium SAND (continued)	4	20.0
					Medium Brown SILT, SILTY LOAM & Fine SAND	8	14.0
Hard Brown CLAY LOAM TILL	7				Hard Gray CLAY LOAM TILL		
	9	422	14.0				
	10						
Very Stiff Brown CLAY LOAM TILL	-1.5						
	5					4	
	7	278	15.0			7	393
	8	B				11	B
	5				End of Boring		
	7	345	14.0				
	9	B					
	-3.0						
	3						
	6	316	14.0				
	8	B					
	-4.5						
Stiff Gray CLAY LOAM TILL	3						
	5	115	14.0				
	8	B					
	-6.0						

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

ROUTE FAP 704(L-55BL) DESCRIPTION MAST ARM FOUNDATION AT MORRIS AVENUE & VETERANS PARKWAY LOGGED BY K.W. Date 2/7/02

SECTION (1)I LOCATION NE 14, SEC. 17, TWP. 23N, RNG. 2E, 3rd PM

COUNTY McLEAN DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.		D	B	U	M	Surface Water Elev.	m	D	B	U	M
Station		E	L	C	O	Stream Bed Elev.	m	E	L	C	O
BORING NO. <u>4 SE QUAD</u>		F	P	O	S	Groundwater Elev.:		F	P	O	S
Station		T	W	S	I	First Encounter	m	T	W	S	I
Offset		H	S	Q	T	Upon Completion	m	H	S	Q	T
Ground Surface Elev.	m	(m)	(150 mm)	(kPa)	(%)	After 24 Hrs.	m	(m)	(150 mm)	(kPa)	(%)

ALUGERED Black SILTY CLAY LOAM & Brown CLAY LOAM TILL					Stiff Gray CLAY LOAM with Thin Gray SAND Lanes (continued)	4	
						7	172
						7	B
Very Stiff Brown CLAY LOAM TILL	3						
	4	240	15.0				
	6	P					
	-1.5						
	5					4	
	8	259	14.0			7	393
	7	B				11	B
	5				End of Boring		
	7	316	15.0				
	11	B					
Medium Brown Medium to Coarse SAND	-3.0						
	3						
Hard Brown CLAY LOAM TILL	7	393	18.0				
	9	S					
Medium Brown Wet SAND	4		20.0				
	5	67	21.0				
Medium Brown Gray SILT & SILTY LOAM	7	240	14.0				
Very Stiff Brown & Gray CLAY LOAM TILL	-4.5						
Hard Brown & Gray CLAY LOAM TILL	4	450	14.0				
	8	B					
Stiff Gray CLAY LOAM with Thin Gray SAND Lanes	8	144	14.0				
		P					
	-6.0						

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION BORING LOGS MORRIS AVENUE AND VETERANS PARKWAY TRAFFIC SIGNAL 3 OF 10 DATE 10-16-06	DRAWN BY CHECKED BY PMH
NAME	DATE		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLEAN	497	293
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1
Date 10/9/03

ROUTE FAP 704(L-558L) DESCRIPTION RETAINING WALL #1; STA 0+549 TO 0+630 LOGGED BY IDOT-LM

SECTION (1)I LOCATION NE 14, SEC. 17, TWP. 23N, RNG. 2E, 3rd PM

COUNTY MCLEAN DRILLING METHOD Hollow Stem Auger HAMMER TYPE AUTOMATIC

STRUCT. NO. _____ Station _____

BORING NO. 01 6 PTS EXTEN.
Station 595+09
Offset 2.74m LT CL PROP.
Ground Surface Elev. 249.13 m (m) (mm) (kPa) (%)

Description	Depth (m)	Blow Count	UCS (kPa)	Failure Mode	SPT (N)	Depth (m)	Blow Count	UCS (kPa)	Failure Mode	SPT (N)
AUGERED Brown SILTY CLAY LOAM (FILL)						5	6	240	B	12.0
						10	10			
Very Stiff Brown SILTY CLAY	248.37	3	182	P	22.0					
		4								
Medium Brown SILTY CLAY	247.78	3								
		2	96	B	25.0					
		4								
		3								
		4	96	P	17.0					
		6								
Very Stiff Brown SANDY CLAY LOAM TILL	246.24	4	259	B	12.0					
		4								
		5								
		6	240	B	14.0					
		9								
		5								
		6								
		7	240	B	12.0					
Brown SANDY LOAM with Thin Layers of SANDY CLAY LOAM	244.25	11								
Very Stiff Gray SANDY CLAY LOAM TILL	243.95	4								
		5	240	B	10.0					
		12								
		4								
		5								
		12								
		4								
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLEAN	497	297
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1
Date 10/22/03

ROUTE FAP 704(I-55BL) DESCRIPTION RETAINING WALL #3; STA 0+201 TO 0+245 AT CEMETARY LOGGED BY IDOT-LM

SECTION (1)I LOCATION NE 14, SEC. 17, TWP. 23N, RNG. 2E, 3rd PM

COUNTY MCLEAN DRILLING METHOD Hollow Stem Auger HAMMER TYPE AUTOMATIC

STRUCT. NO. _____ Station _____

BORING NO. 09 MORRIS AVE. Station 210+00
Offset 7.92m RT CL PROP.
Ground Surface Elev. 259.55 m (m) (mm) (kPa) (%)

SOIL LOG	DEPTH (m)	DEPTH (mm)	UCS (kPa)	MOISTURE (%)	Surface Water Elev. (m)	Stream Bed Elev. (m)	Groundwater Elev. (m)	First Encounter (m)	Upon Completion (m)	After (Hrs.) (m)
AUGERED BITUMINOUS PAVEMENT Over Brown CA06										
Hard Brown SANDY CLAY LOAM TILL	5	8	556	13.0						
Very Stiff Brown SANDY CLAY LOAM TILL	11									
	5	6	316	14.0						
	10									
	4	5	278	13.0						
	7									
	3	5	230	14.0						
	9									
Very Stiff Gray SANDY CLAY LOAM TILL	3	5	211	14.0						
	7									
Stiff Gray SANDY CLAY LOAM	3	4	144	14.0						
	8									
End of Boring										

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1
Date 10/22/03

ROUTE FAP 704(I-55BL) DESCRIPTION RETAINING WALL #3; STA 0+201 TO 0+245 AT CEMETARY LOGGED BY IDOT-LM

SECTION (1)I LOCATION NE 14, SEC. 17, TWP. 23N, RNG. 2E, 3rd PM

COUNTY MCLEAN DRILLING METHOD Hollow Stem Auger HAMMER TYPE AUTOMATIC

STRUCT. NO. _____ Station _____

BORING NO. 10 MORRIS AVE. Station 240+00
Offset 7.92m RT CL PROP.
Ground Surface Elev. 252.75 m (m) (mm) (kPa) (%)

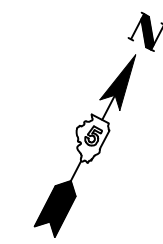
SOIL LOG	DEPTH (m)	DEPTH (mm)	UCS (kPa)	MOISTURE (%)	Surface Water Elev. (m)	Stream Bed Elev. (m)	Groundwater Elev. (m)	First Encounter (m)	Upon Completion (m)	After (Hrs.) (m)
AUGERED BITUMINOUS PAVEMENT Over Brown CA06										
Very Stiff Brown SANDY CLAY LOAM TILL	4	5	230	15.0						
	6									
	4	5	259	15.0						
	8									
	3	4	316	13.0						
	7									
Hard Brown SANDY CLAY LOAM TILL	5	6	402	14.0						
	8									
Stiff Gray SANDY CLAY LOAM TILL	3	4	172	13.0						
	6									
End of Boring										

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

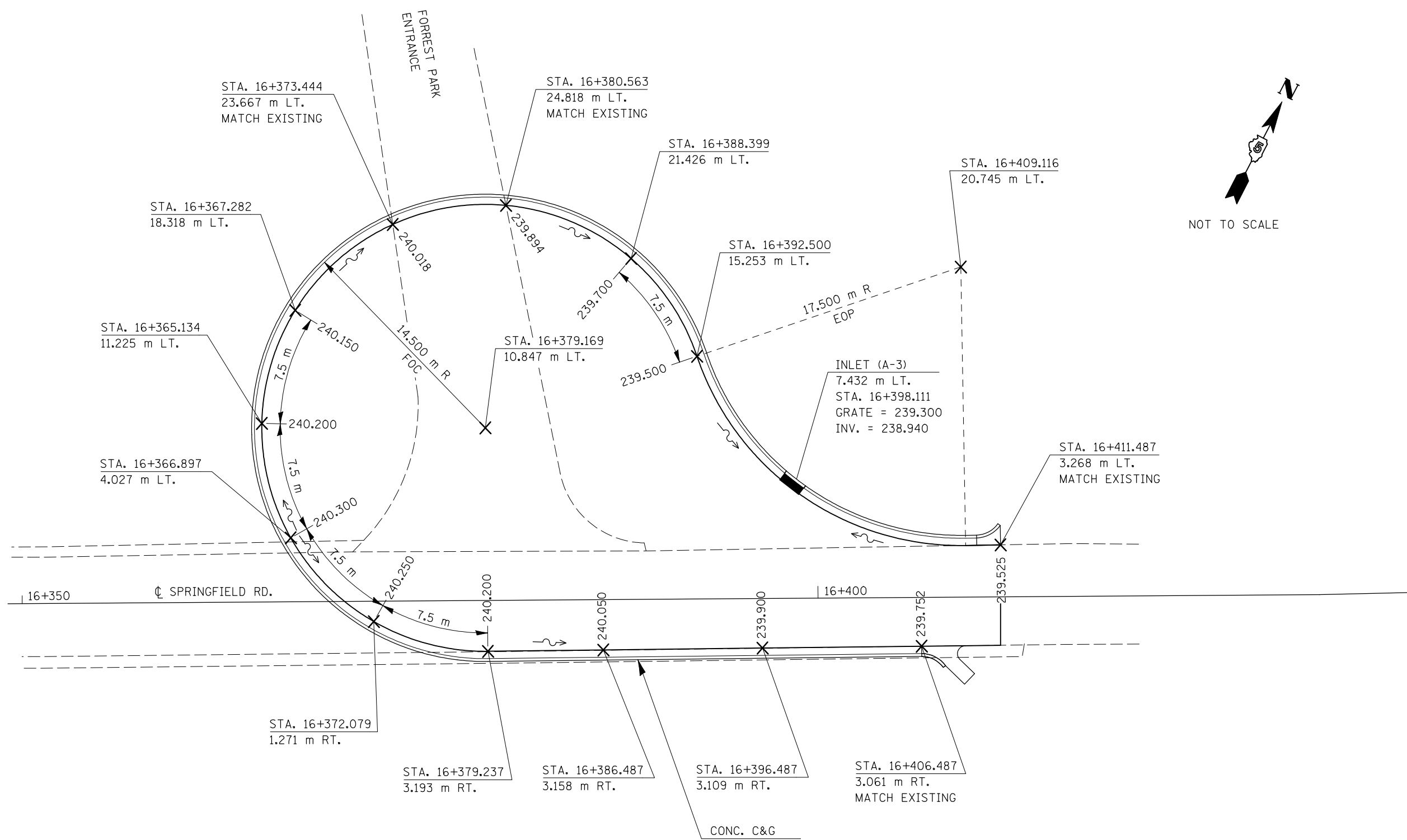
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		BORING LOGS RETAINING WALLS
10 OF 10	DRAWN BY	CHECKED BY PMH
DATE 10-16-06		

RETAINING WALLS, BORING LOGS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(11N & TS-1)>>	McLEAN	497	298
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



NOT TO SCALE



LEGEND
 ~~~~~ DIRECTION OF FLOW  
 X 239.500 TOP OF PAVEMENT ELEVATION

**NOTE:**  
 ALL PROPOSED CURB & GUTTER IS B-15.45 UNLESS NOTED OTHERWISE.

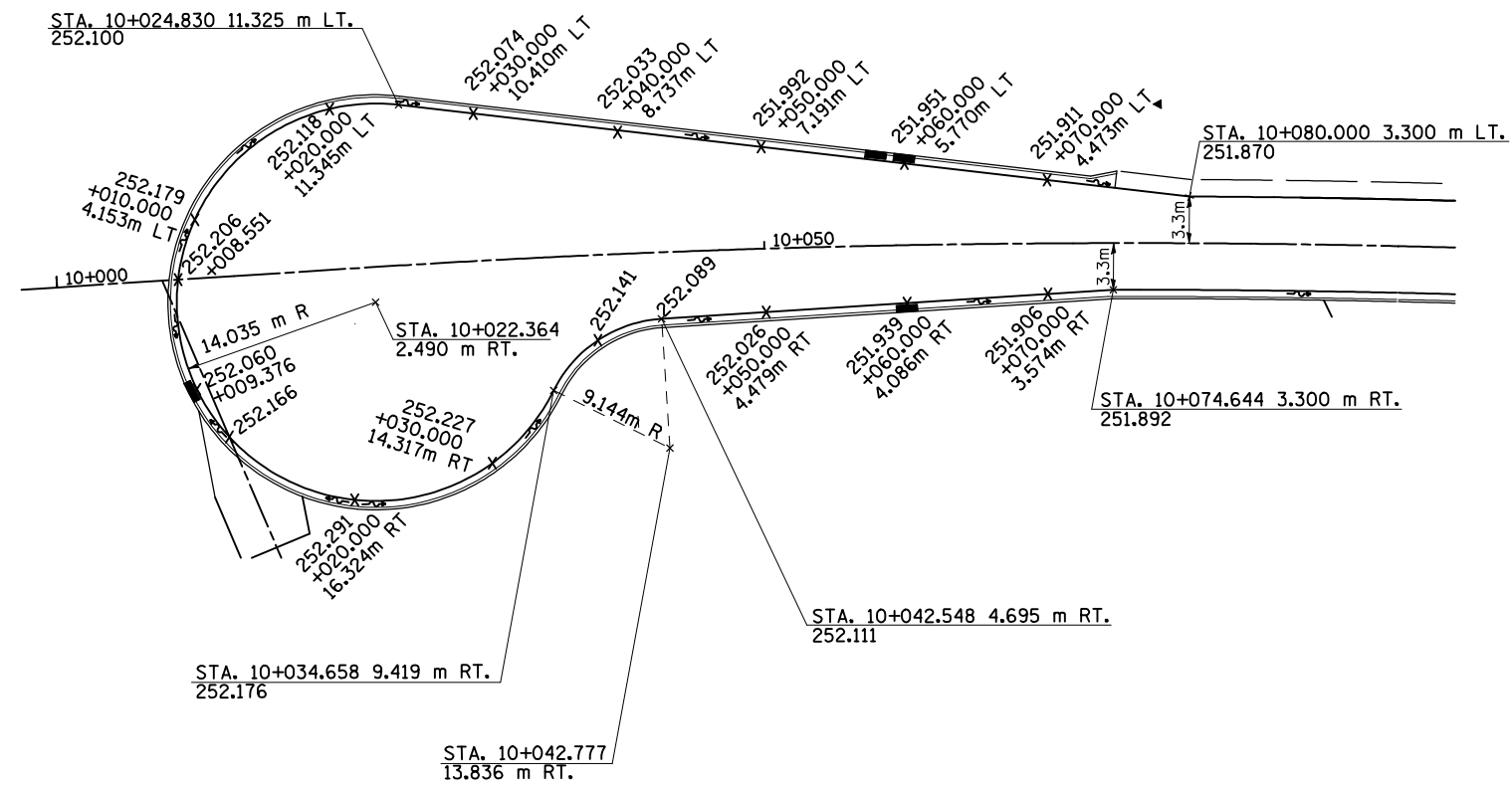
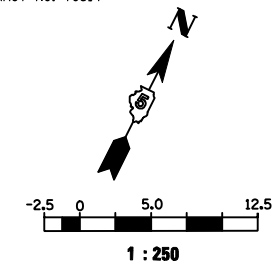
CONC. C&G  
 TY. M-10.45  
 STA. 16+379.237 TO  
 STA. 16+406.487 RT.

| REVISIONS |      |
|-----------|------|
| NAME      | DATE |
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ILLINOIS DEPARTMENT OF TRANSPORTATION  
**SPRINGFIELD ROAD  
 CUL DE SAC DETAIL**  
 DRAWN BY RC  
 CHECKED BY KJT  
 DATE 6/29/2010

PLOT DATE = 8/4/2010  
 FILE NAME = c:\pwworkspace\orange\ad8212372\d570514-sht-1ajout.dgn  
 PLOT SCALE = 6.7500 m / in.  
 USER NAME = orange

|                     |             |                           |              |           |
|---------------------|-------------|---------------------------|--------------|-----------|
| F.A.P. RTE.         | SECTION     | COUNTY                    | TOTAL SHEETS | SHEET NO. |
| 704                 | (1)N & TS-1 | McLEAN                    | 497          | 299       |
| STA. 10+000.000     |             | TO STA. 10+080.255        |              |           |
| FED. ROAD DIST. NO. |             | ILLINOIS FED. AID PROJECT |              |           |
| CONTRACT NO. 70514  |             |                           |              |           |



**LEGEND:**

- DIRECTION OF FLOW
- TOP EDGE OF PAVEMENT ELEVATION

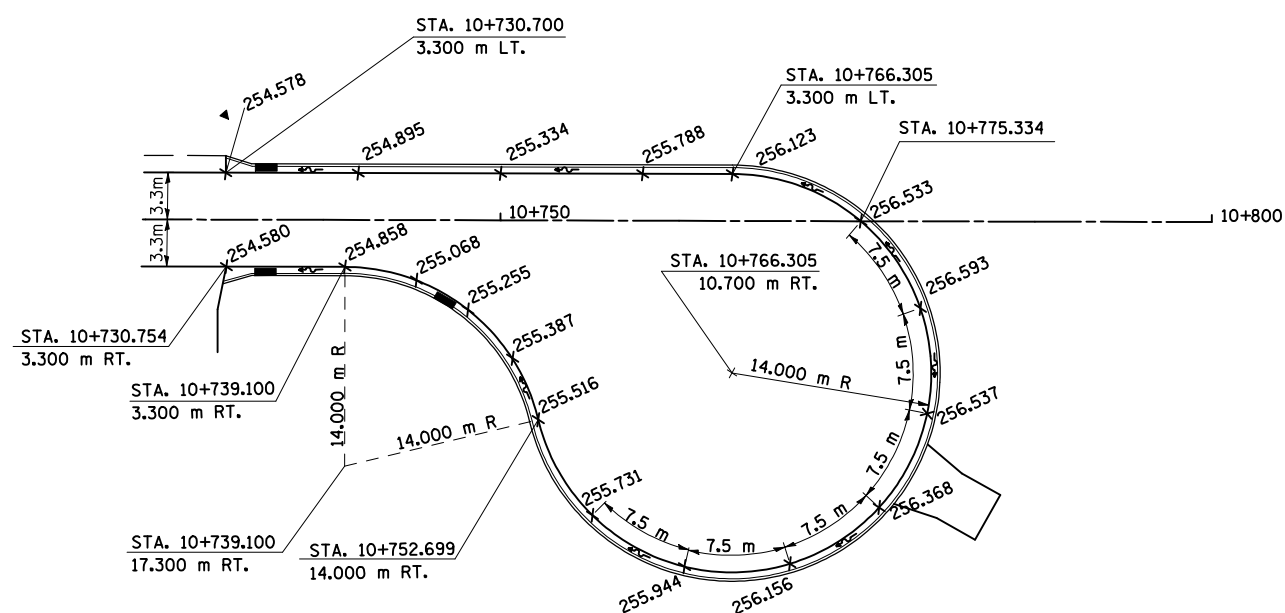
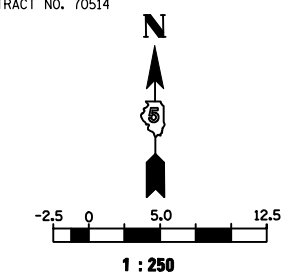
**NOTES:**

1. ALL PROPOSED CONCRETE CURB AND GUTTER SHOWN IS B-15.45 UNLESS NOTED OTHERWISE.

| REVISIONS |      | ILLINOIS DEPARTMENT OF TRANSPORTATION                                 |
|-----------|------|-----------------------------------------------------------------------|
| NAME      | DATE |                                                                       |
|           |      | GREENWOOD AVENUE<br>CUL DE SAC DETAILS<br><br>1 OF 2<br>DATE 05-27-09 |
|           |      |                                                                       |
|           |      |                                                                       |
|           |      |                                                                       |
|           |      |                                                                       |
|           |      | DRAWN BY SAM<br>CHECKED BY PMH                                        |

**GREENWOOD AVENUE CUL DE SAC DETAILS**

|                     |             |                           |              |           |
|---------------------|-------------|---------------------------|--------------|-----------|
| F.A.P. RTE.         | SECTION     | COUNTY                    | TOTAL SHEETS | SHEET NO. |
| 704                 | (1)N & TS-1 | McLEAN                    | 497          | 300       |
| STA. 10+730.700     |             | TO STA. 10+775.334        |              |           |
| FED. ROAD DIST. NO. |             | ILLINOIS FED. AID PROJECT |              |           |
| CONTRACT NO. 70514  |             |                           |              |           |



**LEGEND:**

- ~ DIRECTION OF FLOW
- x252.026 TOP EDGE OF PAVEMENT ELEVATION

**NOTES:**

1. ALL PROPOSED CONCRETE CURB AND GUTTER SHOWN IS B-15.45 UNLESS NOTED OTHERWISE.

| REVISIONS |      | ILLINOIS DEPARTMENT OF TRANSPORTATION                                                      |
|-----------|------|--------------------------------------------------------------------------------------------|
| NAME      | DATE |                                                                                            |
|           |      | GREENWOOD AVENUE<br>CUL DE SAC DETAILS<br><br>DRAWN BY SAM<br>DATE 05-27-09 CHECKED BY PMH |
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**GREENWOOD AVENUE CUL DE SAC DETAILS**

