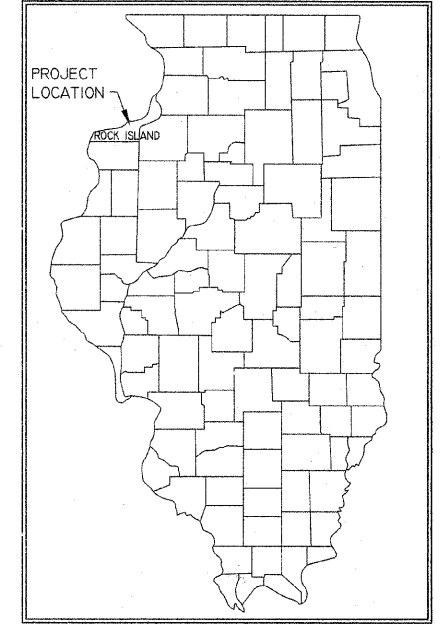


F.A.U. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5763	09-00242-00-RP	ROCK ISLAND	50	1



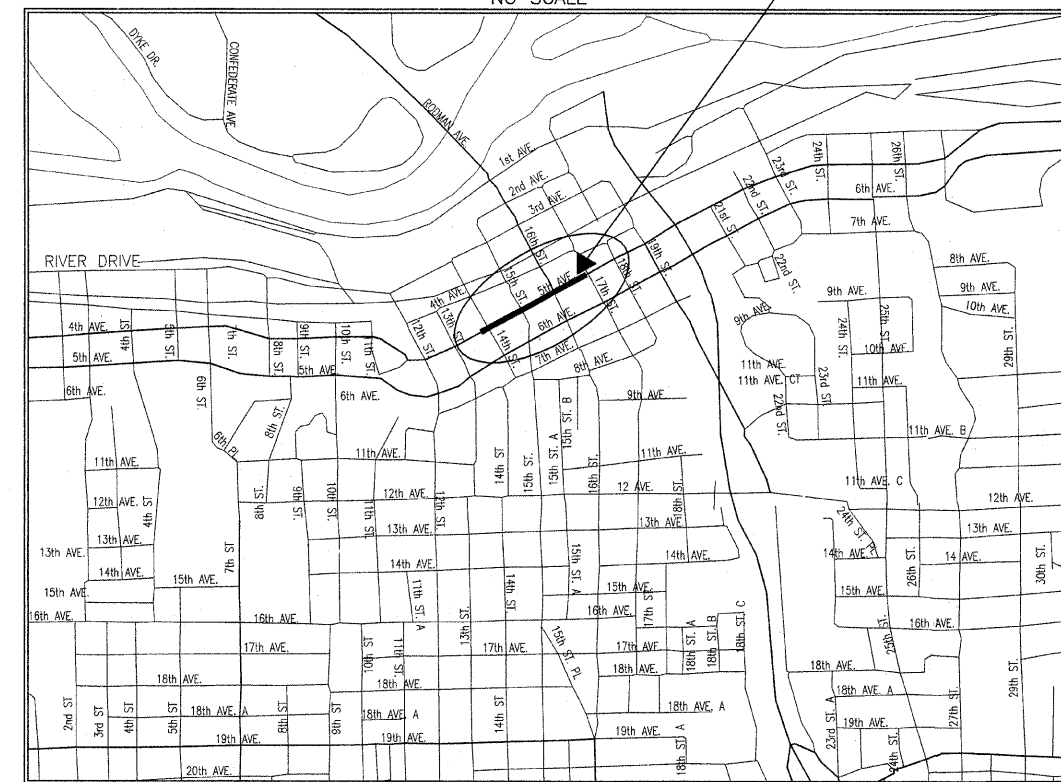
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLANS FOR
PROPOSED LOCAL AGENCY IMPROVEMENT
F.A. URBAN PROJECT

F.A.U. ROUTE 5763
SECTION 09-00242-00-RP
ROCK ISLAND COUNTY
PROJECT NO ARA-5074(083)
JOB NO C-92-168-09
CITY OF MOLINE
CONTRACT NO. 85486

PROJECT AREA
5TH AVENUE
14TH TO 17TH STREET
STA. 9+45 - 22+40.80

LOCATION MAP
NO SCALE



CALL J.U.L.I.E.
BEFORE YOU DIG
1-800-892-0123

UTILITIES

The following utility companies may have utilities located on this project.

- | | |
|---|---|
| Midamerican Energy
716 17th Street
Moline, IL 61265
Elec. PH (309) 793-3833
Gas PH (309) 793-3707 | AT&T
635 18th Street
Rock Island, IL 61201
PH (309) 793-4465 |
| Mediacom
3900 26th Avenue
Moline, IL 61265
PH (309) 743-4750
Alt. (309) 743-4735 | Qwest
3565 Utica Ridge Road
Bettendorf, IA 52722
PH (563) 353-6402 |
| City of Moline Sanitary Sewer | (309) 797-0488 |
| City of Moline Storm Sewer | (309) 797-0718 |
| City of Moline Water Mains | (309) 736-5760 |

Contractor shall call J.U.L.I.E. to contact all utility companies which may have facilities in the area of construction, and obtain the exact location of these facilities.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Approved: 10/6/09 *[Signature]*
City of Moline, City Engineer

Passed: 10/30/09 *[Signature]*
District #2 Engineer of Local Roads & Streets

Releasing for Bid: 10/30/09
Based on Limited Review: *[Signature]*
Deputy Director of Highways, Region #2 Engineer



SIGNATURE: *[Signature]*
DATE: 10/6/09
EXP. DATE: 11/30/09

LENGTH OF PROJECT: 1,295 FEET OR 0.245 MILES

FUNCTIONAL CLASSIFICATION:
COLLECTOR ROAD
CURRENT ADT = 2,850 (2010), TRUCKS = 10%
INTEGRAL CURB & GUTTER, TIED EDGE SUPPORT CONDITIONS
SUBGRADE SUPPORT RATING (SSR) = POOR
DESIGN SPEED = 30 MPH
CLOSED ADT = 45

INDEX OF SHEETS

1. COVER SHEET
- 2-3. TYPICAL SECTIONS
4. GENERAL NOTES
5. SUMMARY OF QUANTITIES
- 6-9. SCHEDULE OF QUANTITIES
10. DEMOLITION
- 11-13. PLAN & PROFILE
- 14-16. STORM SEWER AND SANITARY SEWER
- 17-19. WATER MAIN
- 20-23. GEOMETRICS
24. PAVEMENT MARKING PLAN
- 25-27. STREETScape PLAN
- 28-29. STREETScape DETAILS
- 30-32. ELECTRICAL PLANS
- 33-35. ELECTRICAL DETAILS
- 36-45. CROSS SECTIONS
- 46-50. MOLINE STANDARD DETAILS

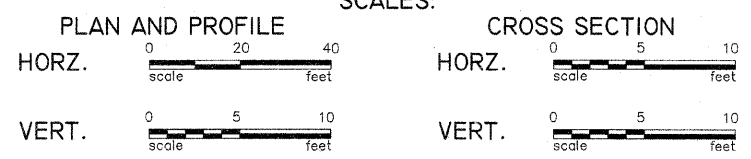
IDOT HIGHWAY STANDARDS

- | | |
|-----------|---|
| 280001-05 | TEMPORARY EROSION CONTROL SYSTEMS |
| 424001-05 | CURB RAMPS FOR SIDEWALKS |
| 604001-03 | FRAME AND LIDS |
| 701006-03 | OFF- RD OPERATIONS, 2L 2W, 15' FROM PAVEMENT EDGE |
| 701501-05 | URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED |
| 701701-06 | URBAN LANE CLOSURE, MULTILANE INTERSECTION |
| 701801-04 | LANE CLOSURE MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE |
| 701901-01 | TRAFFIC CONTROL DEVICES |
| 720001-01 | SIGN PANEL MOUNTING DETAILS |
| 720006-02 | SIGN PANEL ERECTION DETAILS |
| 720011-01 | METAL POSTS FOR SIGNS, MARKERS & DELINEATORS |
| 728001-01 | TELESCOPING STEEL SIGN SUPPORT |
| 729001-01 | APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGN & MARKERS) |
| 780001-02 | TYPICAL PAVEMENT MARKINGS |
| BLR 22-6 | TRAFFIC CONTROL DEVICES |

CITY OF MOLINE STANDARDS

SHEET	C.O.M. STANDARD #	DESCRIPTION
46	2	INTEGRAL CURB
46	3	MANHOLE BOX OUT
46	4	JOINT TYPE & LAYOUT
46	5	CONSTRUCTION JOINT & EXPANSION JOINT
46	6	LONGITUDINAL JOINT & TRANSVERSE JOINT
47	7	RESIDENTIAL/COMMERCIAL DRIVEWAY & SIDEWALK
47	7A	TYPICAL BOULEVARD SECTIONS
47	9	TYPICAL ADJUSTMENT
48	10	TYPICAL MANHOLE
48	11	CLEANOUT
48	12	TYPICAL SERVICE CONNECTION
48	13	BEDDING AND TRENCH BACKFILL
48	14	CATCH BASIN SINGLE/DOUBLE/TRIPLE
49	18	PIPE UNDERDRAIN (W/ ST. SEWER)
49	18A	PIPE UNDERDRAIN (PAVEMENT)
49	21A	JUNCTION CHAMBER SPECIAL
49	22	GATE VALVE BOX
49	23	TYPICAL VALVE BOX
49	24	DIRECT TAP SERVICE PIPING (COPPER)
49	25	CURB BOX AND SLEEVE
50	26	THRUST BOX INSTALLATION
50	27	FIRE HYDRANT ASSEMBLY
50	28	STANDARD TEST CONNECTION
50	29	TRACER WIRE INSTALLATION

SCALES:

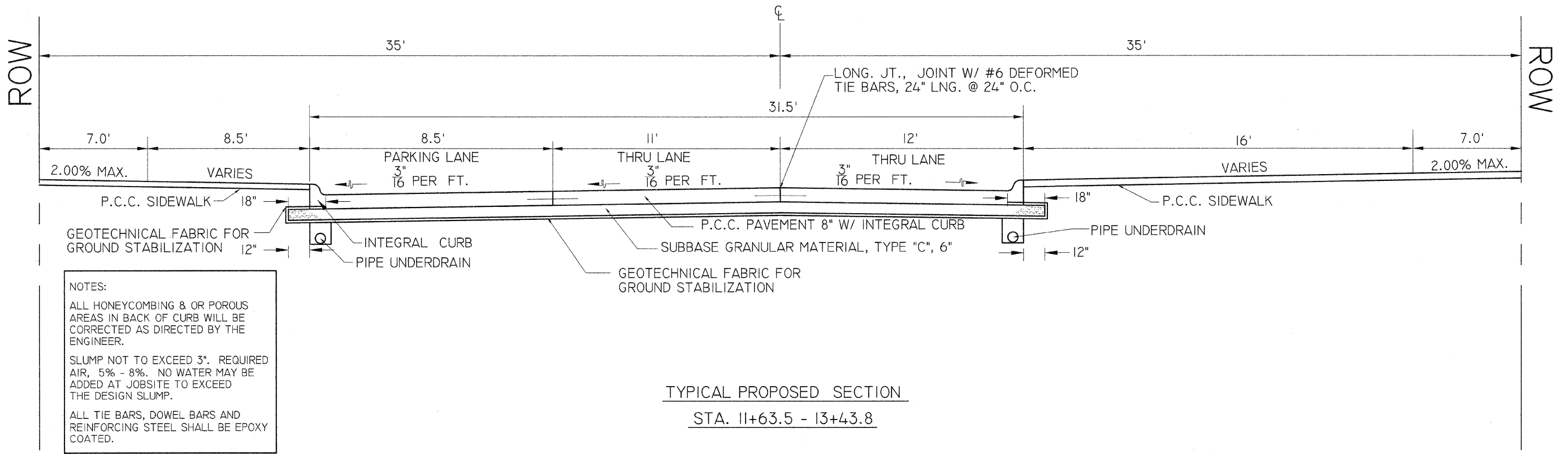
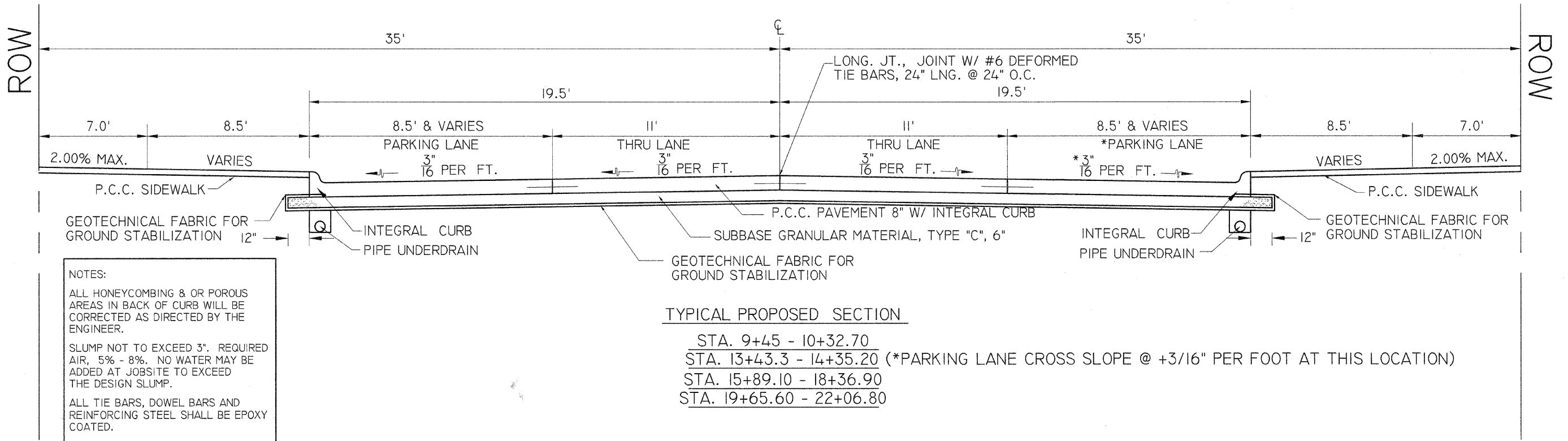


Prepared By
City of Moline, Illinois
DEPARTMENT OF PUBLIC WORKS
Engineering Division

APPROVED: *[Signature]*
SCOTT R. HINTON P.E. 52646
CITY ENGINEER EXP. 11-09

ARA-5074(083) - 5TH AVENUE, 14TH-17TH STREET, MOLINE, IL

F.A.U. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5763	09-00242-00-RP	ROCK ISLAND	50	2



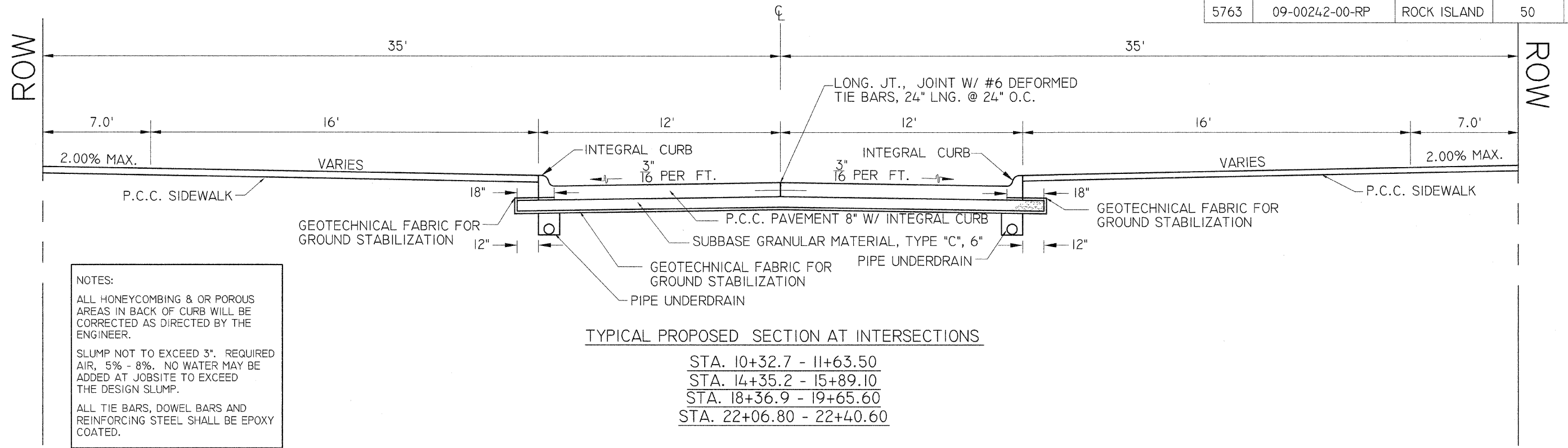
CITY OF MOLINE
 DEPARTMENT OF PUBLIC WORKS - ENGINEERING DIVISION
 3635 4TH AVENUE, MOLINE, IL 61265
 (309) 797-0700
 CITY ENGINEER - SCOTT HINTON, P.E.

5TH AVENUE
 14TH STREET TO 17TH STREET
 TYPICAL ROADWAY SECTIONS

DATE	REVISION
9/25/09	PER IDOT COMMENTS
8/14/09	PER IDOT COMMENTS

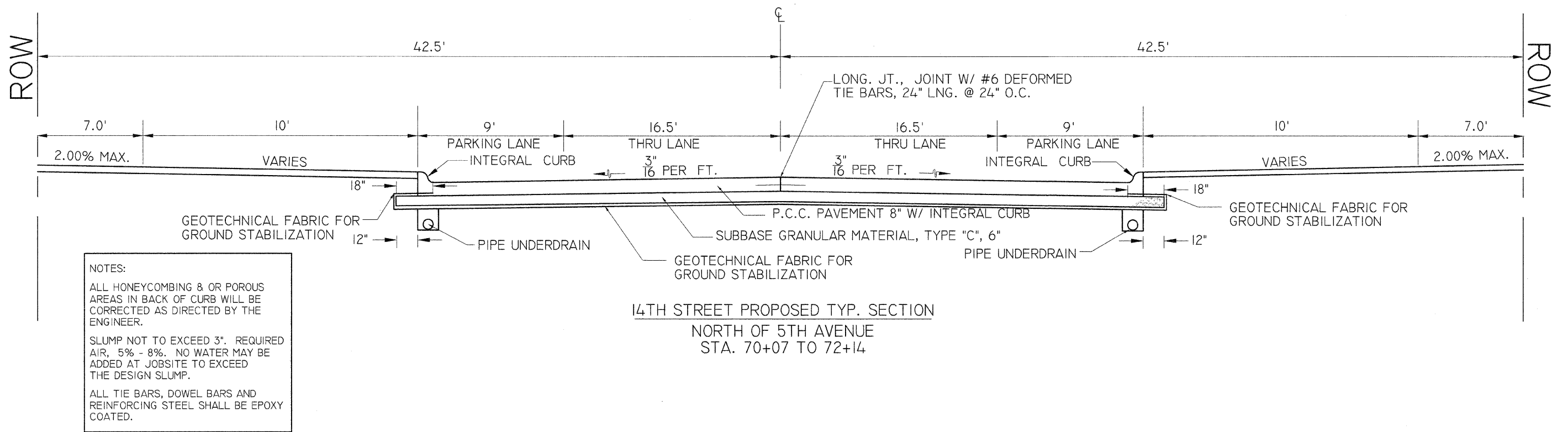
DATE 5-15-09	SHEET 2
SCALE NTS	OF 50
MFT PROJ. # 09-00242-00 RP	DESIGNER JWC

F.A.U. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5763	09-00242-00-RP	ROCK ISLAND	50	3



NOTES:
 ALL HONEYCOMBING & OR POROUS AREAS IN BACK OF CURB WILL BE CORRECTED AS DIRECTED BY THE ENGINEER.
 SLUMP NOT TO EXCEED 3". REQUIRED AIR, 5% - 8%. NO WATER MAY BE ADDED AT JOBSITE TO EXCEED THE DESIGN SLUMP.
 ALL TIE BARS, DOWEL BARS AND REINFORCING STEEL SHALL BE EPOXY COATED.

TYPICAL PROPOSED SECTION AT INTERSECTIONS
 STA. 10+32.7 - 11+63.50
 STA. 14+35.2 - 15+89.10
 STA. 18+36.9 - 19+65.60
 STA. 22+06.80 - 22+40.60



NOTES:
 ALL HONEYCOMBING & OR POROUS AREAS IN BACK OF CURB WILL BE CORRECTED AS DIRECTED BY THE ENGINEER.
 SLUMP NOT TO EXCEED 3". REQUIRED AIR, 5% - 8%. NO WATER MAY BE ADDED AT JOBSITE TO EXCEED THE DESIGN SLUMP.
 ALL TIE BARS, DOWEL BARS AND REINFORCING STEEL SHALL BE EPOXY COATED.

14TH STREET PROPOSED TYP. SECTION
 NORTH OF 5TH AVENUE
 STA. 70+07 TO 72+14

CITY OF MOLINE
 DEPARTMENT OF PUBLIC WORKS - ENGINEERING DIVISION
 3635 4TH AVENUE, MOLINE, IL 61265
 (309) 797-0700
 CITY ENGINEER - SCOTT HINTON, P.E.

5TH AVENUE
 14TH STREET TO 17TH STREET
 TYPICAL ROADWAY SECTION W/ GENERAL NOTES

DATE	REVISION
9/25/09	PER IDOT COMMENTS
8/14/09	PER IDOT COMMENTS

DATE	5-15-09	SHEET	3
SCALE	NTS	OF	50
MFT PROJ. #	09-00242-00 RP	DESIGNER	JWC

PAVEMENT DESIGN CALCULATIONS

F.A.U. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5763	09-00242-00-RP	ROCK ISLAND	50	4

GIVEN ASSUMPTIONS:

- 1) Reconstruct with jointed, P.C.C Concrete
- 2) ADT = 3500 (Design Year Traffic) PV = 3080, SU = 245, MU = 175
- 3) Subgrade Support Rating (SSR) = Poor
- 4) Class II, Two Lane Urban Collector
- 5) Non-reinforced Integral Curb & Gutter with 15 ft. transverse joint spacing
- 6) Stabilized subbase required for Class I roadway

SOLUTION:

- 1) Determine traffic factor using equation 37-2C allowing an 80,000 lb. Load limit.

$$TF = DP \left[\frac{(.073 \times PV) + (67.89 \times SU) + (283.605 \times MU)}{1 \times 10^6} \right]$$

Where DP = Design Period = 20 Years

$$TF = 20 \left[\frac{(.073 \times 3080) + (67.890 \times 245) + (283.605 \times 175)}{10^6} \right]$$

TF = 20 (.0665) = 1.330

- 2) Determine rigid pavement thickness from figure 37-2E using:
 - a. SSR = Poor
 - b. TF = 1.330
 - c. Joint spacing = 15 feet

NESS = 7.2" thickness for 0.5 TF with 15' joint spacing fair subgrade
 ADJUSTMENTS :-0.00 integral curb and gutter are not reinforced (section 37-2.03c)
 -0.00" Subgrade adjustment (Figure 37-2K)
 +0.60" Overload adjustment (Figure 37-2L) garbage trucks, buses, commercial
 7.80" jointed P.C.C Pavement

- 3) Since reinforcing will be used at expansion joints only, and the subgrade rating is poor, the designer has decided to use 8" P.C.C pavement over 6" drainable sub-base.

NOTE:

SIDEWALK & PAVEMENT NOT MARKED FOR REMOVAL SHALL BE PROTECTED. ANY SIDEWALK OR PAVEMENT DAMAGED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

NOTE:

EXISTING FIRE HYDRANTS SHALL REMAIN THE PROPERTY OF THE CITY OF MOLINE WATER DEPARTMENT. PLEASE REFER TO THE SPECIAL PROVISIONS FOR THE TRACER WIRE INSTALLATION FOR PROPOSED WATER MAIN.

UTILITY CROSSINGS

STORM OVER SANTARY

STA. 11+72.92 / 5.7' RT B/P ST = 569.68 T/P SAN = 564.80

STA. 15+05.80 / 18.0' LT B/P ST = 570.32 T/P SAN = 567.17

STA. 19+80.10 / 14.4' RT B/P ST = 573.34 T/P SAN = 568.76

STORM OVER WATER MAIN

STA. 10+12.0 / 7.3' LT B/P ST = 568.5 T/P WATER = 567.00 MAX

STA. 10+91.44 / 7.2' LT B/P ST = 568.55 T/P WATER = 567.05 MAX

STA. 11+72.92 / 6.8' LT B/P ST = 569.58 T/P WATER = 567.58 MAX

STA. 14+92 - 15+00 / 5' LT B/P ST = 567.60 ± T/P WATER = 566.30± MAX

STA. 15+65.16 / 4.7' LT B/P ST = 570.96 T/P WATER = 569.22 MAX

STA. 16+30.6 / 3.1' LT B/P ST = 571.76 T/P WATER = 570.26 MAX

STA. 18+82.75 / 3.1' LT B/P ST = 571.34 T/P WATER = 569.84 MAX

STA. 19+25.0 / 3.0' LT B/P ST = 568.64 T/P WATER = 567.14 MAX

STA. 19+80.1 / 3.3' LT B/P ST = 573.16 T/P WATER = 571.60 MAX

WATER OVER SANTARY

STA. 11+00.1 / 7.0' LT B/P WATER = 566.91 MAX T/P SAN = 564.75

STA. 15+05.8 / 5.0' LT B/P WATER = 569.35 MAX T/P SAN = 566.90

STA. 19+09.3 / 10.6' RT B/P WATER = 571.10 MAX T/P SAN = 568.95

LEGEND

EXISTING	PROPOSED	EXISTING	PROPOSED	EXISTING	PROPOSED
LIGHT STRUCTURE	SEE STREETScape	CLEAN OUT	CATCH BASIN SPECIAL	POLE	STORM SEWER
STREET SIGN	B.M. #	FLARED END SECTION	FIRE HYDRANT	MANHOLE	UNDERDRAIN
BENCH MARK	ROW MARKER	INLET/CATCHBASIN	VALVE VAULT	GAS VALVE	SANITARY SEWER
DRAINAGE	LIGHT POLE	GUY WIRE	JUNCTION BOX	HANDHOLE	WATER MAIN
ROW MARKER	BUSH	SERVICE VALVE	CONTOURS	WATER SERVICES	RETAINING WALL
LIGHT POLE	EVERGREEN TREE				
BUSH	STUMP				
EVERGREEN TREE	TREE				
STUMP	TO BE REMOVED				
TREE	WATER VALVE				
TO BE REMOVED	C.B.				
WATER VALVE					
C.B.					



CITY OF MOLINE
 DEPARTMENT OF PUBLIC WORKS - ENGINEERING DIVISION
 3635 4TH AVENUE, MOLINE, IL 61265
 (309) 797-0700
 CITY ENGINEER - SCOTT HINTON, P.E.

5TH AVENUE
 14TH STREET TO 17TH STREET
 GENERAL NOTES

DATE	REVISION
9/25/09	PER IDOT COMMENTS
8/14/09	PER IDOT COMMENTS

DATE	SHEET
5-15-09	4 OF 50
SCALE	NTS
MFT PROJ. #	DESIGNER
09-00242-00 RP	JWC

05/15/2009 5TH AVENUE, 14TH - 17TH STREET

CODE	SUMMARY OF QUANTITIES (construction code: J000)	UNIT	TOTAL QUANTITY	PARTICIPATING QUANTITY	NON-PARTICIPATING QUANTITY Y060
20800150	TRENCH BACKFILL	CU YD	3337	465	2872
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	7467	7467	
28000500	INLET AND PIPE PROTECTION	EACH	32	32	
31102300	SUB-BASE GRANULAR MATERIAL, TYPE C 6"	SQ YD	6642	6642	
40200500	AGGREGATE SURFACE COURSE, TYPE A 6"	SQ YD	7	7	
42300300	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH	SQ YD	235	235	
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	35756	35756	
44000100	PAVEMENT REMOVAL	SQ YD	6363	6363	
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	220	220	
44000600	SIDEWALK REMOVAL	SQ FT	51400	51400	
44200934	CLASS B PATCHES, TYPE II, 8 INCH	SQ YD	180	180	
55019500	STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS IV 12"	FOOT	728	728	
55019600	STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS IV 15"	FOOT	39	39	
55019700	STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS IV 18"	FOOT	104	104	
55022000	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III 24"	FOOT	419	419	
55022400	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III 36"	FOOT	89	89	
55100500	STORM SEWER REMOVAL 12"	FOOT	310	310	
55100700	STORM SEWER REMOVAL 15"	FOOT	213	213	
* 56102900	DUCTILE IRON WATER MAIN 4"	FOOT	118		118
* 56103000	DUCTILE IRON WATER MAIN 6"	FOOT	139		139
* 56103100	DUCTILE IRON WATER MAIN 8"	FOOT	127		127
* 56103200	DUCTILE IRON WATER MAIN 10"	FOOT	1365		1365
* 56105740	BUTTERFLY VALVES 10"	EACH	6		6
* 56200300	WATER SERVICE LINE 1"	FOOT	868		868
* 56200500	WATER SERVICE LINE 1 1/2"	FOOT	150		150
* 56200700	WATER SERVICE LINE 2"	FOOT	162		162
* 56400500	FIRE HYDRANTS TO BE REMOVED	EACH	5		5
60107600	PIPE UNDERDRAINS 4"	FOOT	2850	2850	
60218300	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	3	3	
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	4	1	3
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2	
60247900	JUNCTION CHAMBER, SPECIAL	EACH	1	1	
60255500	MANHOLE TO BE ADJUSTED	EACH	2	1	1
* 60266910	VALVE BOXES TO BE REMOVED	EACH	6		6
60500040	REMOVE MANHOLES	EACH	4	2	2
60500060	REMOVE INLET	EACH	10	10	
67100100	MOBILIZATION	L SUM	1	1	
70101700	TRAFFIC CONTROL AND PROTECTION	L SUM	1	1	
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	2145	2145	
* 78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	171	171	
* 81000800	CONDUIT IN TRENCH 3" GALVANIZED STEEL	FOOT	2375	2375	
* 81021330	CONDUIT PUSHED, 2" DIA, PVC	FOOT	2405	2405	
* 81306500	REMOVE EXISTING JUNCTION BOX	EACH	3	3	
* 81400100	HANDHOLE	EACH	44	44	
* 81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	10	10	
* XX008212	UNIT DUCT, 600V, 4-1C NO 4, 1/2" NO 1 GROUND, (EPR-TYPE RHW) 2" DIA POLYETHYLENE	FOOT	5085	5085	
* XX008213	UNIT DUCT, 600V, 8-1C NO 4, 1/2" NO 1 GROUND, (EPR-TYPE RHW) 2" DIA POLYETHYLENE	FOOT	11145	11145	
* XX008220	ELECTRICAL CONTROL CABINET	EACH	1	1	
* 89502380	REMOVE EXISTING HANDHOLE	EACH	7	7	
LR420129	PORTLAND CEMENT CONCRETE PAVEMENT 8" (SPECIAL) W/ INTEGRAL CURB	SQ YD	6313	6313	
* A2008920	TREE, ULMUS REGAL (REGAL ELM) 2 1/2" CALIPER, BALLED AND BURLAPPED	EACH	30	30	
* B2006216	TREE, SYRINGA RETICULATA (JAPANESE TREE LILAC), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	20	20	
* C2C10118	SHRUB, SPIREA JAPOICA GOLDMOUND (GOLD MOUND JAPANESE SPIREA), 18" HEIGHT, CONTAINER	EACH	45	45	

CODE	SUMMARY OF QUANTITIES (construction code: J000)	UNIT	TOTAL QUANTITY	PARTICIPATING QUANTITY	NON-PARTICIPATING QUANTITY Y060
* C2C15761	SHRUB, SPIREA JAPONICA NEON FLASH (NEON FLASH JAPANESE SPIREA), 18" HEIGHT, 5-GAL CONTAINER	EACH	148	148	
* K0039125	HEMEROCALLIS 'HAPPY RETURNS' CONTAINER GROWN, 1-GALLON	UNIT	1.21	1.21	
* K1003455	LANDSCAPE FILL SOIL	CU YD	348	348	
* Z0056900	SANITARY SEWER 8"	FOOT	674		674
* XX008214	SANITARY SEWER 16"	FOOT	70		70
* XX00739	CURB STOP & BOX 1 INCH	EACH	16		16
* K0030401	PERENNIAL PLANTS, CALAMAGROSTIS ACUTIFOLIA 'KARL FORSTER' (Feather Reed Grass) 1-GALLON	EACH	76	76	
* XX003526	DUCTILE IRON WATER MAIN FITTING - 8" X 6" REDUCER	EACH	1		1
* XX008215	DUCTILE IRON WATER MAIN FITTING - 4" X 3" REDUCER	EACH	1		1
* XX003531	WATER SERVICE CONNECTION 1"	EACH	16		16
* XX003532	WATER SERVICE CONNECTION 1.5	EACH	3		3
* XX003539	DUCTILE IRON WATER MAIN FITTINGS 8" X 6" TEE	EACH	2		2
* XX003614	RECEPTACLE (GFI TYPE) WITH WEATHERPROOF COVER	EACH	61	61	
* XX003803	SANITARY SEWER SERVICE 6"	FOOT	202		202
* XX004446	SEEDING, CLASS 2 SPECIAL	SQ YD	250	250	
* XX008216	PCC SIDEWALK, TEXTURED, COLORED, 4 INCH	SQ FT	5366	5366	
* XX004997	WATER SERVICE CONNECTION 2"	EACH	3		3
* XX008217	DUCTILE IRON WATER MAIN FITTING - 10" X 4" TEE	EACH	4		4
* XX005003	DUCTILE IRON WATER MAIN FITTING - 10" X 6" TEE	EACH	7		7
* XX005005	DUCTILE IRON WATER MAIN FITTING - 10" X 8" TEE	EACH	1		1
* XX005565	REMOVE AND RESET BRICK PAVERS	SQ FT	42	42	
* XX005763	CATCH BASINS, DOUBLE	EACH	10	10	
* XX005764	CATCH BASINS, SINGLE	EACH	3	3	
* XX008218	CATCH BASINS, TRIPLE	EACH	2	2	
* XX005781	DUCTILE IRON WATER MAIN FITTINGS PLUG 8"	EACH	2		2
* XX005790	RECONNECT SANITARY SERVICE LATERAL 6"	EACH	10		10
* XX008219	INSTALL FURNISHED BENCH	EACH	10	10	
* XX006077	GATE VALVE AND BOX 6"	EACH	3		3
* XX006241	GATE VALVE AND BOX 8"	EACH	2		2
* XX006266	CURB STOP & BOX 1.5 INCH	EACH	3		3
* XX006782	TEMPORARY HOT-MIX ASPHALT BASE COURSE 8"	SQ YD	3500	3500	
* XX006796	DUCTILE IRON WATER MAIN BEND, 90 DEGREE, 6 INCHES	EACH	1		1
* XX006805	PORTLAND CEMENT CONCRETE BASE COURSE 4" SPECIAL	SQ FT	3632	3632	
* XX006868	PORTLAND CEMENT CONCRETE PAVEMENT TEXTURED, COLORED, 8"	SQ YD	377	377	
* K0030442	PERENNIAL PLANTS, PENNISETUM ALOPECUROIDES (FOUNTAIN GRASS), 1-GALLON	EACH	40	40	
* XX007109	LIGHT FIXTURE TYPE B	EACH	20	20	
* XX007112	LIGHT FIXTURE TYPE C	EACH	13	13	
* XX007113	LIGHT FIXTURE TYPE D	EACH	10	10	
* XX007240	SANITARY SEWER CLEAN OUT	EACH	4		4
* XX007263	GATE VALVE WITH BOX 4"	EACH	4		4
* K0030442	SEDUM SPECTABILE, 1 GALLON CONTAINER	EACH	13	13	
* XX007379	CLEANOUT TO BE REMOVED	EACH	5		5
* XX001186	PLANTER REMOVAL	EACH	25	25	
* X0301115	LANDSCAPE EDGING	FOOT	546	546	
* X0321556	MULCH SPECIAL	SQ YD	265	265	
* X0323171	DUCTILE IRON WATER MAIN BEND, 45 DEGREE, 6 INCHES	EACH	2		2
* X0323350	FURNISHING AND SETTING BRICK PAVERS	SQ FT	2930	2930	
* X0324443	DUCTILE IRON WATER MAIN FITTINGS 10" X 8" CROSS	EACH	1		1
* X0324444	DUCTILE IRON WATER MAIN FITTINGS 10" X 10" CROSS	EACH	1		1
* X0324448	DUCTILE IRON WATER MAIN FITTINGS 10" 45 DEGREE BEND	EACH	12		12
* X0324525	PLANTING MIX FURNISH AND PLACE 36"	SQ YD	247	247	
* X0324693	CURB STOP & BOX 2 INCH	EACH	3		3
* X0325003	REMOVE EXISTING VALVE & VAULT	EACH	6		6
* X0325151	REMOVE EXISTING LIGHT POLE	EACH	24	24	
* X0325545	PLANTING MIX FURNISH AND PLACE 18"	SQ YD	83	83	
* X5640150	FIRE HYDRANT ASSEMBLY COMPLETE	EACH	4		4
* X6700410	ENGINEER'S FIELD OFFICE, TYPE A (SPECIAL)	CAL MO	6	6	
* XX007207	BUS SHELTER PLATFORM	EACH	2	2	

* SPECIALTY ITEMS

CITY OF MOLINE ILLINOIS

CITY OF MOLINE
DEPARTMENT OF PUBLIC WORKS - ENGINEERING DIVISION
3635 4TH AVENUE, MOLINE, IL 61265
(309) 797-0700

CITY ENGINEER - SCOTT HINTON, P.E.

5TH AVENUE
14TH STREET TO 17TH STREET
SUMMARY OF QUANTITIES

Date	5-15-09	Sheet	5 OF 50
Scope	NTS		
MT PROJ. #	09-00242-00 RP	DESIGNER	JWC

9/25/09	PER IDOT COMMENTS
8/14/09	PER IDOT COMMENTS
Date	Revision

05/15/2009 5TH AVENUE, 14TH - 17TH STREET

TRENCH BACKFILL	
ENTIRE PROJECT	3337 C.Y.
TOTAL	3337 C.Y.

GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	
STA. 9+45 - 22+40.76	7287 S.Y.
STA. 81+40 - 82+50	180 S.Y.
TOTAL	7467 S.Y.

INLET AND PIPE PROTECTION	
ENTIRE PROJECT	32 EACH
TOTAL	32 EACH

AGGREGATE BASE COURSE TYPE C 6"	
STA. 9+45 - 22+40.76	6462 S.Y.
STA. 81+40 - 82+50	180 S.Y.
TOTAL	6642 S.Y.

PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT 7 INCH	
STA. 12+03.3 / RT	94 S.Y.
STA. 12+53.1 / RT	31 S.Y.
STA. 13+21.0 / RT	34 S.Y.
STA. 16+51.2 / RT	29 S.Y.
STA. 70+50.2 / LT	47 S.Y.
TOTAL	235 S.Y.

PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	
ENTIRE SITE	35756 S.F.
TOTAL	35756 S.F.

PAVEMENT REMOVAL	
STA. 9+45 - 22+40.76	6183 S.Y.
STA. 81+40 - 82+50	180 S.Y.
TOTAL	6363 S.Y.

DRIVEWAY PAVEMENT REMOVAL	
STA. 12+03.3 / RT	70 S.Y.
STA. 12+53.1 / RT	31 S.Y.
STA. 13+21.0 / RT	34 S.Y.
STA. 16+51.2 / RT	29 S.Y.
STA. 70+62.3 / LT	47 S.Y.
STA. 72+37.1 / RT	9 S.Y.
TOTAL	220 S.Y.

REMOVE SIDEWALK	
ENTIRE SITE	51400 S.F.
TOTAL	51400 S.F.

CLASS B PATCH, TYPE II, 8"	
STA. 80+08.2 - 80+17.5	180 S.Y.
TOTAL	180 S.Y.

STORM SEWER, TYPE 1, RCCP CLASS IV, 12"	
10+14.42 / 19' LT - 10+91.31 / 20' LT	77 FT
10+14.42 / 19' RT - 10+14.42 / 19' LT	38 FT
11+72.92 / 11' RT - 11+72.92 / 19' LT	31 FT
11+72.92 / 19' LT - 10+91.31 / 20' LT	82 FT
13+36.95 / 11' RT - 11+72.92 / 11' RT	165 FT
15+54.18 / 11' LT - 15+01.43 / 18' LT	54 FT
15+54.18 / 11' RT - 15+54.18 / 11' LT	23 FT
16+26.84 / 19' RT - 16+26.85 / 19' LT	38 FT
16+26.85 / 19' LT - 15+54.18 / 11' LT	74 FT
19+81.50 / 19' LT - 19+25.11 / 23' LT	57 FT
19+81.50 / 19' RT - 19+81.50 / 19' LT	38 FT
82+70.38 / 33' LT - 82+70.47 / 0' LT	34 FT
82+70.52 / 16' RT - 82+70.47 / 0' LT	17 FT
TOTAL	728 FT

STORM SEWER, TY1, RCCP CL IV, 15"	
84+49.88 / 33' LT - 84+30.29 / 0' LT	39 FT
TOTAL	39 FT

STORM SEWER, TY1, RCCP CL IV, 18"	
18+82.64 / 35' RT - 18+83.11 / 42' LT	78 FT
84+49.11 / 17' RT - 84+30.29 / 0' LT	26 FT
TOTAL	104 FT

STORM SEWER, TY2, RCCP CL III, 24"	
84+30.29 / 0' LT - 83+64.78 / 0' RT	66 FT
83+64.78 / 0' RT - 82+70.47 / 0' LT	95 FT
82+70.47 / 0' LT - 80+12.84 / 0' LT	258 FT
TOTAL	419 FT

STORM SEWER, TY2, RCCP CL III, 36"	
19+25.11 / 23' LT - 19+25.18 / 42' LT	19 FT
19+24.82 / 46' RT - 19+25.11 / 23' LT	70 FT
TOTAL	89 FT

STORM SEWER REMOVAL 12"	
11+46.07 / 15' LT - 11+24.71 / 14' LT	22 FT
10+60.75 / 21' LT - 10+76.04 / 23' LT	16 FT
10+81.57 / 37' RT - 10+75.65 / 36' RT	6 FT
11+19.27 / 35' RT - 11+23.78 / 34' RT	5 FT
11+24.21 / 50' RT - 11+24.02 / 123' LT	174 FT
11+47.32 / 11' RT - 11+47.43 / 13' LT	25 FT
19+46.06 / 21' RT - 19+24.94 / 19' RT	22 FT
19+50.97 / 6' LT - 19+26.88 / 13' LT	26 FT
10+62.05 / 19' RT - 10+75.35 / 17' RT	14 FT
TOTAL	310 FT


STORM SEWER REMOVAL 15"	
10+75.53 / 51' RT - 10+71.00 / 135' LT	186 FT
15+51.92 / 10' RT - 15+53.09 / 16' LT	27 FT
TOTAL	213 FT

DUCTILE IRON WATER MAIN 4"	
21+34.82 / L - 21+34.63 / L	22 FT
12+49.37 / L - 12+49.30 / L	18 FT
17+08.84 / L - 17+08.60 / R	39 FT
21+48.17 / L - 21+47.85 / R	39 FT
TOTAL	118 FT

DUCTILE IRON WATER MAIN 6"	
17+22.95 / L - 17+22.74 / R	37 FT
17+02.59 / L - 17+02.77 / L	29 FT
14+80.97 / R - 14+86.20 / R	6 FT
14+81.63 / L - 14+85.18 / L	5 FT
14+81.61 / L - 14+81.63 / L	5 FT
21+53.79 / L - 21+53.48 / R	39 FT
12+05.81 / L - 12+06.00 / L	18 FT
TOTAL	139 FT

DUCTILE IRON WATER MAIN 8"	
11+31.49 / L - 11+31.23 / R	41 FT
14+80.97 / R - 14+81.28 / L	46 FT
14+81.28 / L - 14+81.61 / L	40 FT
TOTAL	127 FT

DUCTILE IRON WATER MAIN 10"	
9+80.53 / LT - 9+86.09 / LT	8 FT
9+86.09 / LT - 11+31.49 / LT	146 FT
11+31.49 / LT - 12+05.81 / LT	75 FT
12+05.81 / LT - 12+49.37 / LT	44 FT
12+49.37 / LT - 14+44.19 / LT	195 FT
14+44.19 / LT - 14+81.28 / LT	38 FT
14+81.28 / LT - 14+86.39 / LT	6 FT
14+86.39 / LT - 14+89.18 / LT	3 FT
14+89.18 / LT - 15+09.01 / LT	20 FT
15+09.01 / LT - 15+11.78 / LT	3 FT
15+11.78 / LT - 17+02.59 / LT	191 FT
17+02.59 / LT - 17+08.84 / LT	7 FT
17+08.84 / LT - 17+22.99 / LT	15 FT
17+22.99 / LT - 18+45.49 / LT	123 FT
18+45.49 / LT - 19+09.36 / LT	64 FT
19+09.00 / RT - 19+16.92 / RT	12 FT
19+09.36 / LT - 19+09.00 / RT	44 FT
19+09.36 / LT - 19+09.67 / LT	35 FT
19+09.36 / LT - 21+34.82 / LT	226 FT
19+09.67 / LT - 19+16.31 / LT	9 FT
21+34.82 / LT - 21+48.17 / LT	14 FT
21+48.17 / LT - 21+53.79 / LT	6 FT
21+53.79 / LT - 22+06.93 / LT	54 FT
22+06.93 / LT - 22+20.06 / LT	14 FT
22+20.06 / LT - 22+28.98 / LT	13 FT
TOTAL	1365 FT



CITY OF MOLINE
DEPARTMENT OF PUBLIC WORKS - ENGINEERING DIVISION
3635 4TH AVENUE, MOLINE, IL 61265
(309) 797-0700
CITY ENGINEER - SCOTT HINTON, P.E.

5TH AVENUE
14TH STREET TO 17TH STREET
SCHEDULE OF QUANTITIES

9/25/09	PER IDOT COMMENTS
8/14/09	PER IDOT COMMENTS
Date	Revision

Date	5-15-09	Sheet	6 of 50
Scale	NTS		
MT PROJ. #	09-00242-00 RP	DESIGNER	JWC

5TH AVENUE, 14TH - 17TH STREET

05/15/2009

BUTTERFLY VALVES 10"		
STA. 9+93.10 / 7.65' LT	1	EA.
STA. 14+69.51 / 4.84' LT	1	EA.
STA. 19+03.02 / 3.06' LT	1	EA.
STA. 19+09.06 / 33.99' RT	1	EA.
STA. 19+09.72 / 30.88' LT	1	EA.
STA. 22+13.62 / 3.80' LT	1	EA.
TOTAL	6	EA.

WATER SERVICE LINE 1"		
10+70.06 / RT	69	FT
10+64.78 / LT	40	FT
10+73.25 / LT	142	FT
10+68.87 / LT	9	FT
10+70.56 / LT	142	FT
10+70.78 / LT	12	FT
14+14.39 / LT	19	FT
20+73.27 / LT	39	FT
18+01.93 / LT	37	FT
20+31.14 / LT	39	FT
20+86.92 / LT	39	FT
13+35.05 / LT	18	FT
13+84.46 / LT	38	FT
13+67.61 / LT	19	FT
20+22.54 / LT	31	FT
10+69.07 / LT	127	FT
11+56.93 / LT	18	FT
13+54.65 / LT	30	FT
TOTAL	868	FT

WATER SERVICE LINE 1.5"		
11+31.26 / RT	3	FT
20+41.41 / LT	30	FT
21+41.00 / LT	24	FT
11+28.54 / RT	93	FT
TOTAL	150	FT

WATER SERVICE LINE 2"		
10+67.38 / LT	105	FT
12+76.34 / LT	18	FT
21+26.64 / LT	39	FT
TOTAL	162	FT

FIRE HYDRANT TO BE REMOVED		
STA. 10+68.84 / 39.74' LT	1	EA.
STA. 13+00.21 / 23.26' LT	1	EA.
STA. 15+59.89 / 20.92' RT	1	EA.
STA. 18+72.02 / 36.64' LT	1	EA.
STA. 20+96.74 / 22.97' LT	1	EA.
TOTAL	5	EA.

PIPE UNDERDRAIN 4"		
9+45.00 / LT - 10+81.8 / LT	277	FT
9+95.00 / RT - 10+81.8 / RT	124	FT
11+17.60 / LT - 14+83.60 / LT	493	FT
11+17.60 / RT - 14+83.60 / RT	425	FT
15+17.25 / LT - 18+85.00 / LT	419	FT
15+17.25 / RT - 18+85.00 / RT	416	FT
19+17.60 / LT - 22+40.76 / LT	348	FT
19+17.60 / RT - 22+40.76 / RT	348	FT
TOTAL	2850	FT

MANHOLE TYPE A 4' - DIAMETER W/ TYPE 1 FRAME, OPEN LID		
STA. 10+91.31 / 20.04' LT	1	EA.
STA. 82+70.47 / 0.02' LT	1	EA.
STA. 84+30.29 / 0.06' LT	1	EA.
TOTAL	3	EA.

MANHOLE TY "A" 4' DIA. W/ T.1 F. CLOSED LID		
STA. 10+99.86 / 5.31' RT	1	EA.
STA. 15+05.65 / 24.76' RT	1	EA.
STA. 18+82.64 / 35.29' RT	1	EA.
STA. 19+01.47 / 9.90' RT	1	EA.
TOTAL	4	EA.

MANHOLE TYPE A 5' - DIAMETER W/ TYPE 1 FRAME OPEN LID		
STA. 19+25.11 / 23.40' LT	1	EA.
STA. 80+12.84 / 0.02' LT	1	EA.
TOTAL	2	EA.

JUNCTION CHAMBER SPECIAL		
STA. 15+01.43 / 18.46' LT	1	EA.
TOTAL	1	EA.

MANHOLE TO BE ADJUSTED		
STA. 20+23.88 / 32.00' LT	1	EA.
STA. 81+89.69 / 8.73' LT	1	EA.
TOTAL	2	EA.

VALVE BOX TO BE REMOVED		
STA. 10+86.51 / 8.38' LT	1	EA.
STA. 12+49.27 / 14.24' LT	1	EA.
STA. 14+45.41 / 1.21' RT	1	EA.
STA. 14+85.37 / 0.07' LT	1	EA.
STA. 17+46.26 / 3.82' LT	1	EA.
STA. 19+16.32 / 35.51' LT	1	EA.
TOTAL	6	EA.

REMOVING MANHOLE		
STA. 15+05.70 / 20.01' RT	1	EA.
STA. 18+82.61 / 33.00' RT	1	EA.
STA. 19+01.57 / 9.79' RT	1	EA.
STA. 19+25.09 / 13.34' LT	1	EA.
TOTAL	4	EA.

REMOVING INLETS		
STA. 10+59.36 / 21.32' LT	1	EA.
STA. 10+60.19 / 20.22' RT	1	EA.
STA. 10+83.00 / 36.84' RT	1	EA.
STA. 11+17.80 / 35.43' RT	1	EA.
STA. 11+47.23 / 14.28' LT	1	EA.
STA. 11+47.54 / 12.32' RT	1	EA.
STA. 15+51.92 / 9.83' RT	1	EA.
STA. 15+53.07 / 17.29' LT	1	EA.
STA. 19+47.44 / 21.19' RT	1	EA.
STA. 19+52.64 / 5.34' LT	1	EA.
TOTAL	10	EA.

PAINT PAVEMENT MARKING - LINE 4"		
ENTIRE PROJECT		2145 FT
TOTAL		2145 FT

PAINT PAVEMENT MARKING - LINE 24"		
ENTIRE PROJECT		171 FT
TOTAL		171 FT

REMOVE EXISTING JUNCTION BOX		
STA. 14+76.20 / 28.00' RT	1	EA.
STA. 15+30.21 / 38.19' LT	1	EA.
STA. 15+31.60 / 31.11' RT	1	EA.
TOTAL	3	EA.


REMOVE EXISTING HANDHOLE		
STA. 11+39.39 / 20.11' RT	1	EA.
STA. 14+65.00 / 22.28' LT	1	EA.
STA. 14+73.95 / 20.07' RT	1	EA.
STA. 15+32.86 / 29.29' LT	1	EA.
STA. 15+42.37 / 15.66' RT	1	EA.
STA. 18+81.69 / 39.10' RT	1	EA.
STA. 19+38.61 / 25.68' RT	1	EA.
TOTAL	7	EA.

SANITARY SEWER 8"		
18+11.62 / 24' RT - 15+05.65 / 25' RT	306	FT
13+57.85 / 7' RT - 10+99.86 / 5' RT	259	FT
21+09.99 / 11' RT - 22+18.82 / 7' RT	109	FT
TOTAL	674	FT

SANITARY SEWER 16"		
15+05.65 / 25' RT - 15+05.93 / 45' LT	70	FT
TOTAL	70	FT

PORTLAND CEMENT CONCRETE PAVEMENT 8" (SPECIAL) W/ INT. CURB		
STA. 9+45 - 22+40.76	6133	S.Y.
STA. 81+40 - 82+50	180	S.Y.
TOTAL	6313	S.Y.

TEMPORARY HOT-MIX ASPHALT BASE COURSE 8 INCH		
ENTIRE SITE		3500 S.Y.
TOTAL		3500 S.Y.



CITY OF MOLINE
DEPARTMENT OF PUBLIC WORKS - ENGINEERING DIVISION
3635 4TH AVENUE, MOLINE, IL 61265
(309) 797-0700
CITY ENGINEER - SCOTT HINTON, P.E.

5TH AVENUE

14TH STREET TO 17TH STREET

SCHEDULE OF QUANTITIES

Date	Revision
9/25/09	PER IDOT COMMENTS
8/14/09	PER IDOT COMMENTS

Date	Sheet
5-15-09	7 of 50
Scale	NTS
MT PROJ. #	DESIGNER
09-00242-00 RP	JWC

5TH AVENUE, 14TH - 17TH STREET
05/15/2009

CURB STOP AND BOX 1 INCH		
STA. 10+64.59 / LT	1	EA.
STA. 10+65.33 / LT	1	EA.
STA. 10+67.17 / LT	1	EA.
STA. 10+70.06 / RT	1	EA.
STA. 10+72.74 / RT	1	EA.
STA. 11+56.93 / LT	1	EA.
STA. 13+33.55 / LT	1	EA.
STA. 13+55.90 / RT	1	EA.
STA. 13+67.87 / LT	1	EA.
STA. 13+84.20 / RT	1	EA.
STA. 14+14.36 / LT	1	EA.
STA. 18+01.70 / RT	1	EA.
STA. 20+22.88 / LT	1	EA.
STA. 20+30.74 / RT	1	EA.
STA. 20+72.77 / RT	1	EA.
STA. 20+86.54 / RT	1	EA.
TOTAL	16	EA.

WATER SERVICE CONNECTION 1"		
STA. 10+64.78 / 7.20' LT	1	EA.
STA. 10+69.07 / 7.23' LT	1	EA.
STA. 10+70.62 / 7.20' LT	1	EA.
STA. 10+72.23 / 7.20' LT	1	EA.
STA. 10+73.25 / 7.19' LT	1	EA.
STA. 11+56.84 / 6.76' LT	1	EA.
STA. 13+35.05 / 5.85' LT	1	EA.
STA. 13+54.65 / 5.77' LT	1	EA.
STA. 13+67.61 / 5.69' LT	1	EA.
STA. 13+84.46 / 5.61' LT	1	EA.
STA. 14+14.39 / 5.46' LT	1	EA.
STA. 18+01.93 / 3.53' LT	1	EA.
STA. 20+22.54 / 3.41' LT	1	EA.
STA. 20+31.14 / 3.35' LT	1	EA.
STA. 20+73.27 / 3.61' LT	1	EA.
STA. 20+86.92 / 3.71' LT	1	EA.
TOTAL	16	EA.

WATER SERVICE CONNECTION 1.5"		
STA. 11+31.26 / 29.34' RT	1	EA.
STA. 20+41.41 / 3.51' LT	1	EA.
STA. 21+41.00 / 3.94' LT	1	EA.
TOTAL	3	EA.
DUCTILE WATER MAIN FITTING - 8"x 6" REDUCER		
STA. 14+81.62 / 44.46' LT	1	EA.
TOTAL	1	EA.
DUCTILE WATER MAIN FITTING - 4"x 3" REDUCER		
STA. 21+40.8 / 28.0' LT	1	EA.
TOTAL	1	EA.
DUCTILE IRON WATER FITTING 8"x 6" TEE		
STA. 11+31.23 / 33.72' RT	1	EA.
STA. 14+80.97 / 40.78' RT	1	EA.
TOTAL	2	EA.

SANITARY SEWER SERVICE 6"		
16+49.63 / 24' RT TO 16+49.58 / 35' RT	11	FT
16+99.83 / 24' RT TO 16+99.78 / 35' RT	11	FT
17+70.83 / 24' RT TO 17+70.78 / 35' RT	11	FT
17+90.84 / 24' RT TO 17+90.79 / 35' RT	11	FT
18+08.80 / 24' RT TO 18+08.97 / 35' RT	11	FT
11+82.28 / 6' RT TO 11+82.04 / 34' RT	29	FT
21+09.99 / 11' RT TO 20+99.41 / 34' RT	27	FT
21+47.85 / 9' RT TO 21+48.12 / 27' LT	37	FT
21+97.97 / 7' RT TO 21+98.18 / 28' LT	36	FT
13+55.27 / 7' RT TO 13+55.16 / 24' RT	18	FT
TOTAL	202	FT

WATER SERVICE CONNECTION 2"		
STA. 10+67.38 / 7.24' LT	1	EA.
STA. 12+76.34 / 6.15' LT	1	EA.
STA. 21+26.64 / 3.92' LT	1	EA.
TOTAL	3	EA.

DUCTILE IRON WATER MAIN FITTING 10"x 4" TEE		
STA. 12+49.37 / 6.29' LT	1	EA.
STA. 17+08.84 / 4.01' LT	1	EA.
STA. 21+34.82 / 3.95' LT	1	EA.
STA. 21+48.17 / 4.07' LT	1	EA.
TOTAL	4	EA.

DUCTILE IRON WATER MAIN FITTING 10"x 6" TEE		
STA. 12+05.81 / 6.51' LT	1	EA.
STA. 14+44.19 / 5.32' LT	1	EA.
STA. 17+02.59 / 4.04' LT	1	EA.
STA. 17+22.99 / 3.94' LT	1	EA.
STA. 18+45.49 / 3.33' LT	1	EA.
STA. 21+53.79 / 4.13' LT	1	EA.
STA. 22+06.93 / 3.91' LT	1	EA.
TOTAL	7	EA.

DUCTILE IRON WATER MAIN FITTING 10"x 8" TEE		
STA. 11+31.49 / 6.89' LT	1	EA.
TOTAL	1	EA.

CATCH BASINS, SINGLE		
STA. 13+36.95 / 11.42' RT	1	EA.
STA. 16+26.84 / 18.88' RT	1	EA.
STA. 16+26.85 / 18.91' LT	1	EA.
TOTAL	3	EA.

CATCH BASINS, DOUBLE		
STA. 10+14.42 / 18.92' LT	1	EA.
STA. 10+14.42 / 18.92' RT	1	EA.
STA. 11+72.92 / 11.41' RT	1	EA.
STA. 11+72.92 / 18.92' LT	1	EA.
STA. 15+54.18 / 11.41' LT	1	EA.
STA. 15+54.18 / 11.41' RT	1	EA.
STA. 19+81.50 / 18.92' LT	1	EA.
STA. 19+81.50 / 18.92' RT	1	EA.
STA. 72+08.15 / 25.27' LT	1	EA.
STA. 84+49.11 / 17.15' RT	1	EA.
TOTAL	10	EA.

CATCH BASINS, TRIPLE		
STA. 70+28.91 / 24.92' LT	1	EA.
STA. 70+29.18 / 24.92' RT	1	EA.
TOTAL	2	EA.

DUCTILE IRON WATER FITTING PLUG 8"		
STA. 11+31.23 / 33.72' RT	1	EA.
STA. 14+80.97 / 40.78' RT	1	EA.
TOTAL	2	EA.


RECONNECT SANITARY SERVICE LATERAL 6"		
STA. 11+82.28 / 6.00' RT	1	EA.
STA. 13+55.85 / 6.78' RT	1	EA.
STA. 16+49.63 / 24.27' RT	1	EA.
STA. 16+99.83 / 24.18' RT	1	EA.
STA. 17+70.83 / 24.06' RT	1	EA.
STA. 17+90.84 / 24.02' RT	1	EA.
STA. 18+08.80 / 24.07' RT	1	EA.
STA. 20+99.41 / 34.41' RT	1	EA.
STA. 21+47.85 / 9.20' RT	1	EA.
STA. 21+97.97 / 7.45' RT	1	EA.
TOTAL	10	EA.

GATE VALVE AND BOX 6"		
STA. 12+06.00 / 24.31' LT	1	EA.
STA. 17+02.77 / 32.54' LT	1	EA.
STA. 17+22.74 / 32.77' RT	1	EA.
TOTAL	3	EA.

GATE VALVE AND BOX 8"		
STA. 14+81.04 / 36.61' RT	1	EA.
STA. 14+81.58 / 40.49' LT	1	EA.
TOTAL	2	EA.

CURB STOP AND BOX 1.5 INCH		
STA. 11+28.86 / RT	1	EA.
STA. 20+41.29 / LT	1	EA.
STA. 21+40.86 / LT	1	EA.
TOTAL	3	EA.

DUCTILE IRON WATER MAIN BEND 90 DEGREES, 6"		
STA. 14+86.20 / 40.80' RT	1	EA.
TOTAL	1	EA.


CITY OF MOLINE
 DEPARTMENT OF PUBLIC WORKS - ENGINEERING DIVISION
 3635 4TH AVENUE, MOLINE, IL 61265
 (309) 797-0700
 CITY ENGINEER - SCOTT HINTON, P.E.

5TH AVENUE
 14TH STREET TO 17TH STREET
 SCHEDULE OF QUANTITIES

Date	Revision
9/25/09	PER IDOT COMMENTS
8/14/09	PER IDOT COMMENTS

Date	Sheet
5-15-09	8 of 50
Scale	NTS
MPT PROJ. #	DESIGNER
09-00242-00 RP	JWC

SANITARY SEWER CLEANOUT		
STA. 13+57.85 / 6.75' RT	1	EA.
STA. 18+11.62 / 24.01' RT	1	EA.
STA. 20+70.23 / 17.26' RT	1	EA.
STA. 21+06.81 / 10.64' RT	1	EA.
TOTAL	4	EA.

GATE VALVE AND BOX 4"		
STA. 12+49.30 / 23.37' LT	1	EA.
STA. 17+08.61 / 32.78' RT	1	EA.
STA. 21+34.63 / 25.41' LT	1	EA.
STA. 21+47.80 / 31.15' RT	1	EA.
TOTAL	4	EA.

CLEANOUT TO BE REMOVED		
STA. 11+82.22 / 34.00' RT	1	EA.
STA. 13+58.49 / 6.89' RT	1	EA.
STA. 18+11.82 / 23.94' RT	1	EA.
STA. 20+70.22 / 19.20' RT	1	EA.
STA. 21+06.74 / 9.37' RT	1	EA.
TOTAL	5	EA.

RAISED PLANTER REMOVAL		
STA. 11+62.0 LT	1	EA.
STA. 11+67.7 RT	1	EA.
STA. 12+13.6 LT	1	EA.
STA. 12+31.7 RT	1	EA.
STA. 12+74.5 RT	1	EA.
STA. 12+99.9 RT	1	EA.
STA. 13+10.3 LT	1	EA.
STA. 13+28.1 LT	1	EA.
STA. 13+43.6 RT	1	EA.
STA. 16+25.7 LT	1	EA.
STA. 16+48.7 LT	1	EA.
STA. 16+90.5 RT	1	EA.
STA. 17+15.8 RT	1	EA.
STA. 17+84.3 LT	1	EA.
STA. 18+16.2 LT	1	EA.
STA. 18+32.3 LT	1	EA.
STA. 18+48.8 LT	1	EA.
STA. 18+73.5 RT	1	EA.
STA. 19+31.0 RT	1	EA.
STA. 19+61.5 LT	1	EA.
STA. 20+75.3 RT	1	EA.
STA. 20+90.0 LT	1	EA.
STA. 21+21.5 LT	1	EA.
STA. 21+39.5 RT	1	EA.
STA. 21+69.1 LT	1	EA.
TOTAL	25	EA.

DUCILE IRON WATER MAIN BEND, 45 DEGREES, 6 INCHES		
STA. 14+81.63 / 48.49' LT	1	EA.
STA. 14+85.18 / 51.79' LT	1	EA.
TOTAL	2	EA.

DUCTILE IRON WATER MAIN FITTING 10" X 8" CROSS		
STA. 14+81.28 / 5.13' LT	1	EA.
TOTAL	1	EA.

DUCTILE IRON WATER MAIN FITTING 10" X 10" CROSS		
STA. 19+09.36 / 2.98' LT	1	EA.
TOTAL	1	EA.

DUCILE IRON WATER MAIN BEND, 45 DEGREES, 10"		
STA. 9+80.53 / 12.31' LT	1	EA.
STA. 9+86.09 / 7.67' LT	1	EA.
STA. 14+86.39 / 5.10' LT	1	EA.
STA. 14+89.18 / 5.09' LT	1	EA.
STA. 15+09.01 / 4.99' LT	1	EA.
STA. 15+11.78 / 4.98' LT	1	EA.
STA. 19+09.00 / 40.02' RT	1	EA.
STA. 19+09.67 / 37.09' LT	1	EA.
STA. 19+16.31' / 42.73' LT	1	EA.
STA. 19+16.92 / 48.45' RT	1	EA.
STA. 22+20.06 / 3.84' LT	1	EA.
STA. 22+28.98 / 12.25' LT	1	EA.
TOTAL	12	EA.


CURB STOP AND BOX 2 INCH		
STA. 10+67.38 / LT	1	EA.
STA. 12+76.74 / LT	1	EA.
STA. 21+26.51 / RT	1	EA.
TOTAL	3	EA.

REMOVE EXISTING VALVE & VAULT		
STA. 10+81.68 / 13.37' LT	1	EA.
STA. 12+32.25 / 10.90' LT	1	EA.
STA. 14+57.65 / 13.18' LT	1	EA.
STA. 14+83.92 / 35.99' LT	1	EA.
STA. 18+98.30 / 13.89' LT	1	EA.
STA. 19+10.69 / 18.75' LT	1	EA.
TOTAL	6	EA.

FIRE HYDRANT ASSEMBLY COMPLETE		
STA. 11+38.72 / 33.78' RT	1	EA.
STA. 14+44.13 / 17.38' RT	1	EA.
STA. 18+45.51 / 18.91' LT	1	EA.
STA. 22+07.36 / 24.14' RT	1	EA.
TOTAL	4	EA.

REMOVE EXISTING LIGHT POLE		
STA. 10+59.37 / 23.36' LT	1	EA.
STA. 10+73.00 / 37.54' RT	1	EA.
STA. 11+28.12 / 36.51' RT	1	EA.
STA. 11+45.97 / 17.29' LT	1	EA.
STA. 12+22.49 / 15.93' RT	1	EA.
STA. 12+66.77 / 20.54' LT	1	EA.
STA. 13+33.15 / 13.86' RT	1	EA.
STA. 13+94.35 / 21.49' LT	1	EA.
STA. 14+61.25 / 11.48' RT	1	EA.
STA. 14+74.45 / 34.79' RT	1	EA.
STA. 15+26.21 / 34.43' RT	1	EA.
STA. 15+39.09 / 23.49' LT	1	EA.
STA. 16+71.35 / 16.55' LT	1	EA.
STA. 17+34.35 / 21.28' RT	1	EA.
STA. 17+98.34 / 9.87' LT	1	EA.
STA. 18+62.72 / 24.99' RT	1	EA.
STA. 18+81.15 / 39.96' LT	1	EA.
STA. 19+20.16 / 40.14' LT	1	EA.
STA. 19+20.36 / 47.34' RT	1	EA.
STA. 19+43.44 / 10.24' LT	1	EA.
STA. 20+06.67 / 22.77' RT	1	EA.
STA. 20+71.02 / 13.16' LT	1	EA.
STA. 21+33.91 / 19.32' RT	1	EA.
STA. 21+97.75 / 18.04' LT	1	EA.
TOTAL	24	EA.

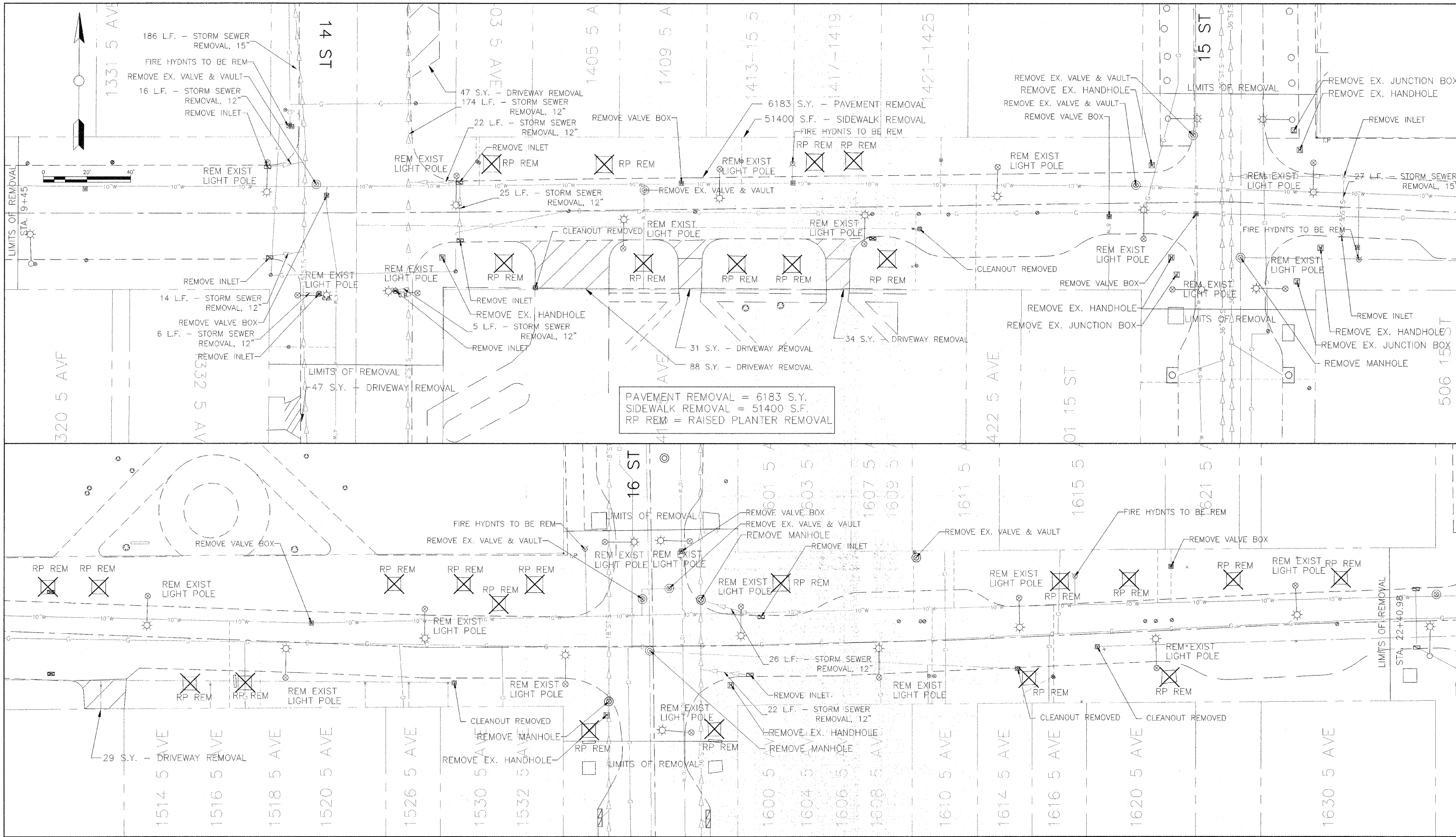
REMOVE EXISTING LIGHT POLE		
STA. 10+59.37 / 23.36' LT	1	EA.
STA. 10+73.00 / 37.54' RT	1	EA.
STA. 11+28.12 / 36.51' RT	1	EA.
STA. 11+45.97 / 17.29' LT	1	EA.
STA. 12+22.49 / 15.93' RT	1	EA.
STA. 12+66.77 / 20.54' LT	1	EA.
STA. 13+33.15 / 13.86' RT	1	EA.
STA. 13+94.35 / 21.49' LT	1	EA.
STA. 14+61.25 / 11.48' RT	1	EA.
STA. 14+74.45 / 34.79' RT	1	EA.
STA. 15+26.21 / 34.43' RT	1	EA.
STA. 15+39.09 / 23.49' LT	1	EA.
STA. 16+71.35 / 16.55' LT	1	EA.
STA. 17+34.35 / 21.28' RT	1	EA.
STA. 17+98.34 / 9.87' LT	1	EA.
STA. 18+62.72 / 24.99' RT	1	EA.
STA. 18+81.15 / 39.96' LT	1	EA.
STA. 19+20.16 / 40.14' LT	1	EA.
STA. 19+20.36 / 47.34' RT	1	EA.
STA. 19+43.44 / 10.24' LT	1	EA.
STA. 20+06.67 / 22.77' RT	1	EA.
STA. 20+71.02 / 13.16' LT	1	EA.
STA. 21+33.91 / 19.32' RT	1	EA.
STA. 21+97.75 / 18.04' LT	1	EA.
TOTAL	24	EA.


CITY OF MOLINE
 DEPARTMENT OF PUBLIC WORKS - ENGINEERING DIVISION
 3635 4TH AVENUE, MOLINE, IL 61265
 (309) 797-0700
 CITY ENGINEER - SCOTT HINTON, P.E.

5TH AVENUE
 14TH STREET TO 17TH STREET
 SCHEDULE OF QUANTITIES

Date	Revision
9/25/09	PER IDOT COMMENTS
8/14/09	PER IDOT COMMENTS

Date	Sheet
5-15-09	9 OF 50
Scale	NTS
MFT PROJ. #	DESIGNER
09-00242-00 RP	JWC



PAVEMENT REMOVAL = 6183 S.Y.
 SIDEWALK REMOVAL = 51400 S.F.
 RP REM = RAISED PLANTER REMOVAL

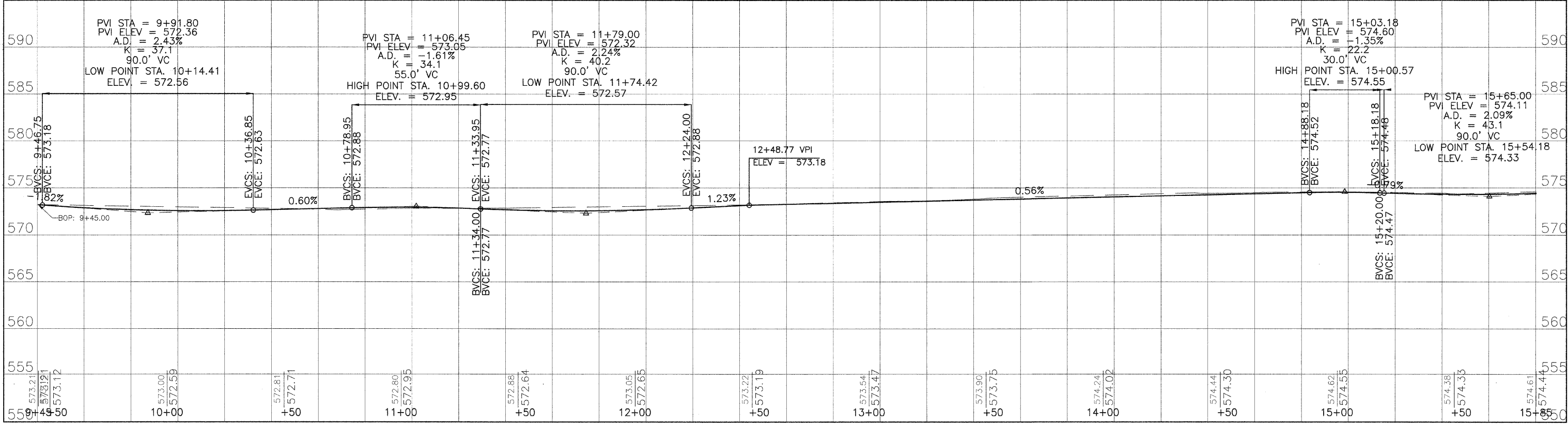
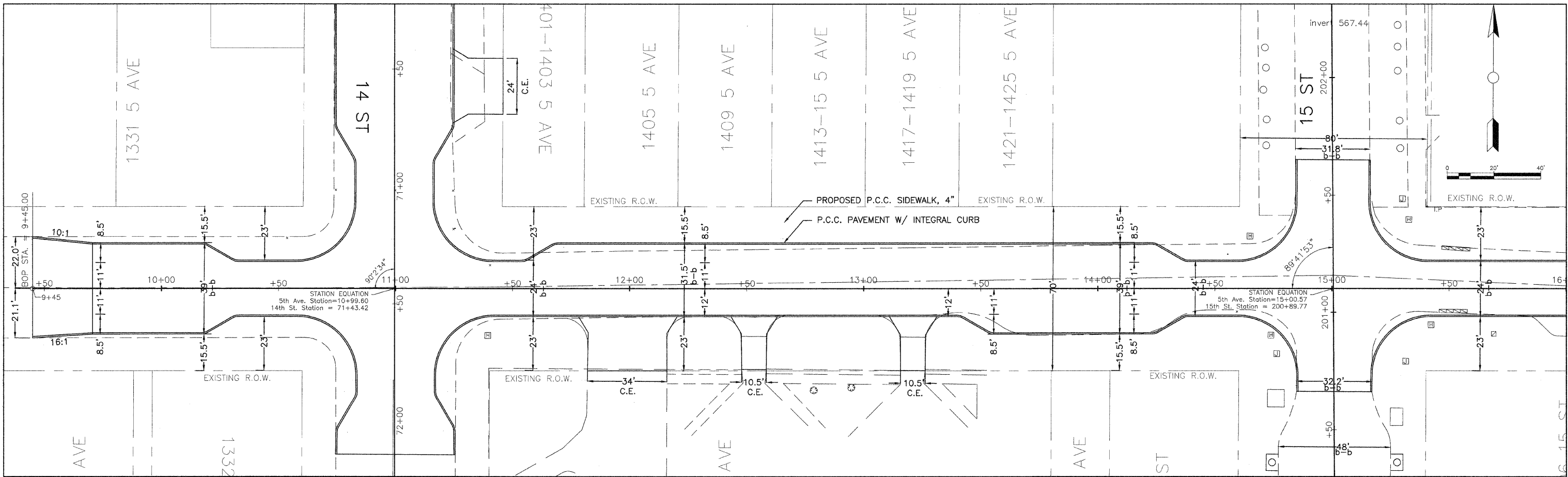
3/19/2007

CITY OF MOLINE
 DEPARTMENT OF PUBLIC WORKS - ENGINEERING DIVISION
 3635 4TH AVENUE, MOLINE, IL 61265
 (309) 797-0700
 CITY ENGINEER - SCOTT HINTON, P.E.

5TH AVENUE RECONSTRUCTION
 14TH TO 17TH STREET
 DEMOLITION PLAN

Date	Revision
9/25/09	PER IDOT COMMENTS
8/14/09	PER IDOT COMMENTS

Date	Sheet
5/15/09	10
Scale	OF
1:20	50
MFT Project#	Design Engineer
09-00242-00 RP	JWC



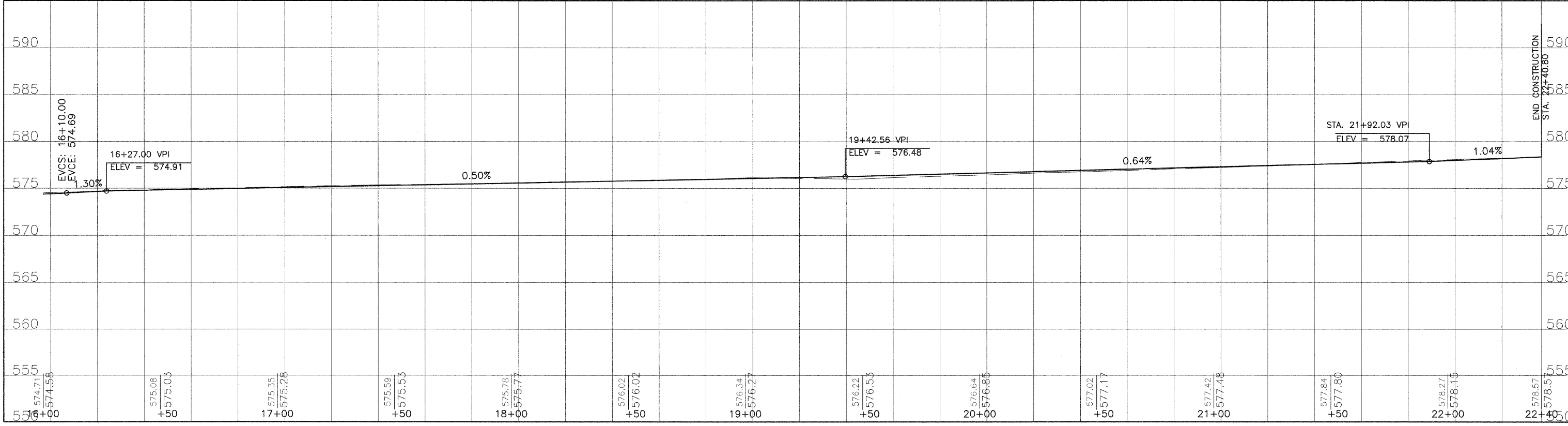
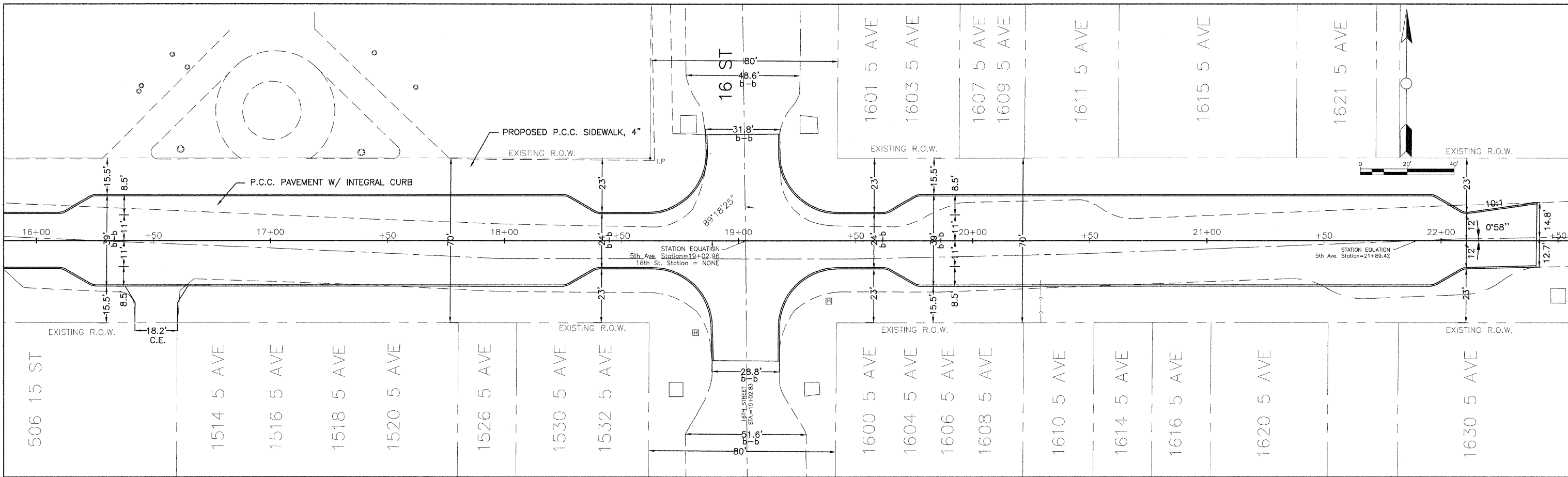
3/19/2007

CITY OF MOLINE
 DEPARTMENT OF PUBLIC WORKS - ENGINEERING DIVISION
 3635 4TH AVENUE, MOLINE, IL 61265
 (309) 797-0700
 CITY ENGINEER - SCOTT HINTON, P.E.

5TH AVENUE RECONSTRUCTION
 14TH TO 17TH STREET
 PLAN & PROFILE

Date	Revision
9/25/09	PER IDOT COMMENTS
8/14/09	PER IDOT COMMENTS

Date	5/15/09	Sheet	11
Scale	1:20	OF	50
MFT Project#	09-00242-00 RP	Design Engineer	JWC

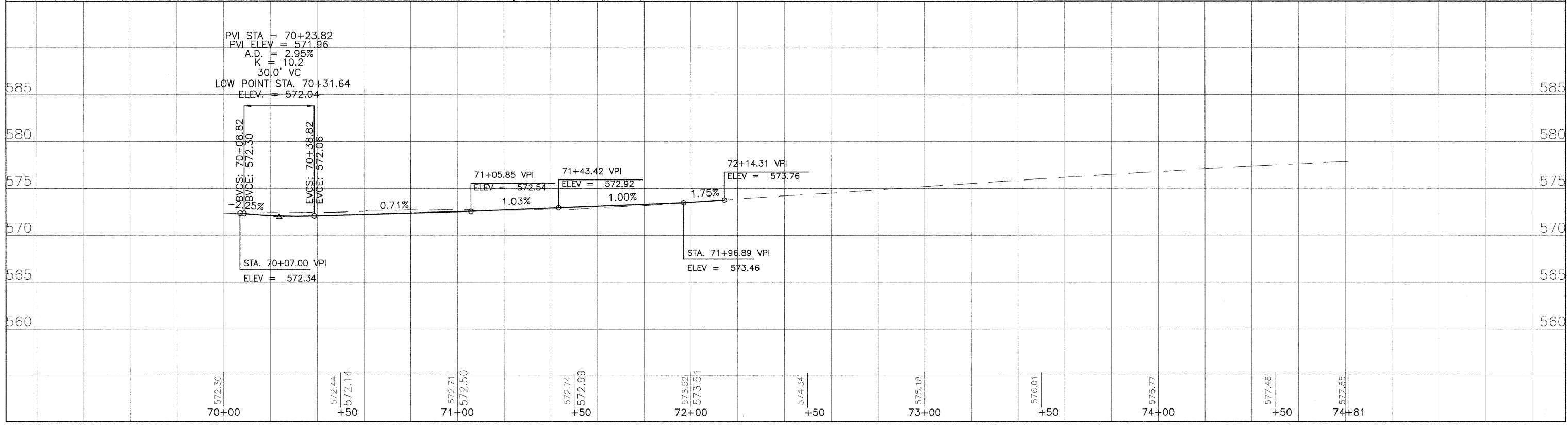
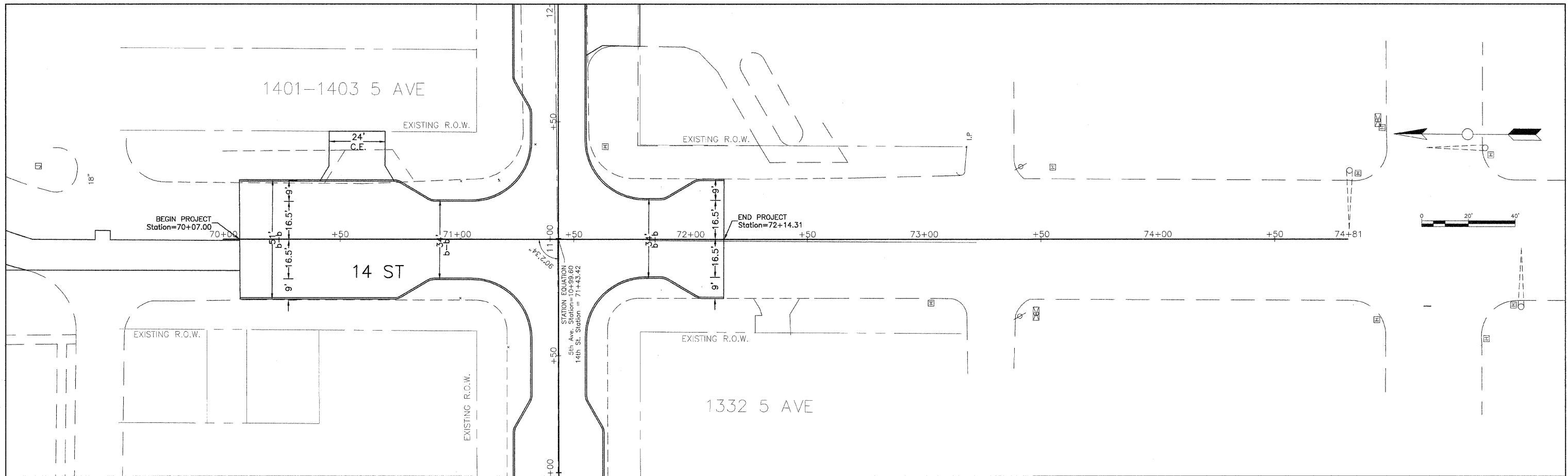


CITY OF MOLINE
 DEPARTMENT OF PUBLIC WORKS - ENGINEERING DIVISION
 3635 4TH AVENUE, MOLINE, IL 61265
 (309) 797-0700
 CITY ENGINEER - SCOTT HINTON, P.E.

5TH AVENUE RECONSTRUCTION
 14TH TO 17TH STREET
 PLAN & PROFILE

Date	Revision
9/25/09	PER IDOT COMMENTS
8/14/09	PER IDOT COMMENTS

Date	5/15/09	Sheet	12
Scale	1:20	OF	50
MFT Project#	09-00242-00 RP	Design Engineer	JWC



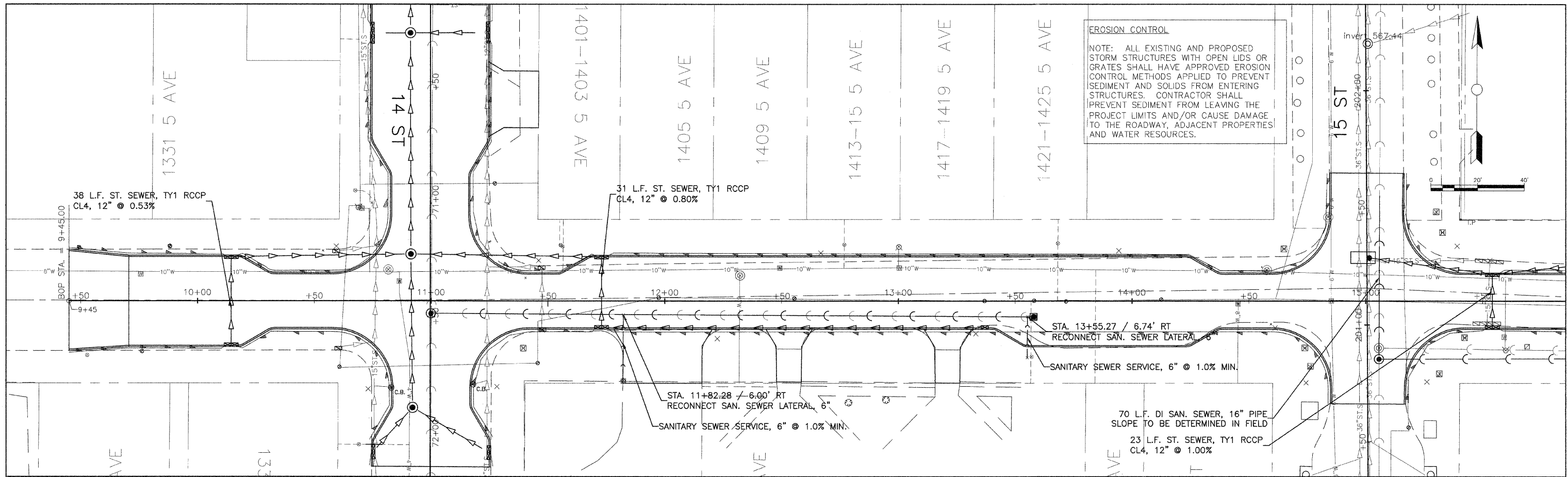
3/19/2007

CITY OF MOLINE
 DEPARTMENT OF PUBLIC WORKS - ENGINEERING DIVISION
 3635 4TH AVENUE, MOLINE, IL 61265
 (309) 797-0700
 CITY ENGINEER - SCOTT HINTON, P.E.

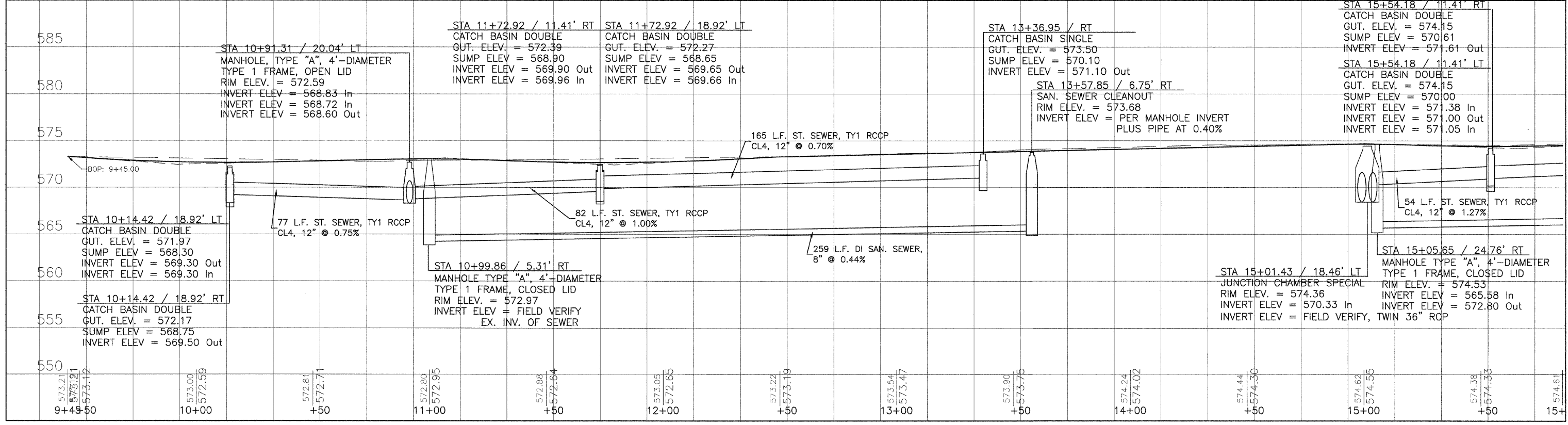
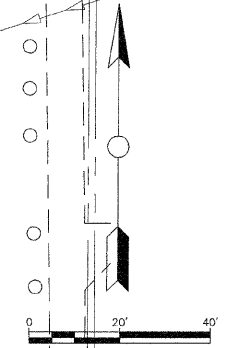
5TH AVENUE RECONSTRUCTION
 14TH TO 17TH STREET
 PLAN & PROFILE

Date	Revision
10/16/09	
9/25/09	PER IDOT COMMENTS
8/14/09	PER IDOT COMMENTS

Date	5/15/09	Sheet	13
Scale	1:20	OF	50
MFT Project#	09-00242-00 RP	Design Engineer	JWC



EROSION CONTROL
 NOTE: ALL EXISTING AND PROPOSED STORM STRUCTURES WITH OPEN LIDS OR GRATES SHALL HAVE APPROVED EROSION CONTROL METHODS APPLIED TO PREVENT SEDIMENT AND SOLIDS FROM ENTERING STRUCTURES. CONTRACTOR SHALL PREVENT SEDIMENT FROM LEAVING THE PROJECT LIMITS AND/OR CAUSE DAMAGE TO THE ROADWAY, ADJACENT PROPERTIES AND WATER RESOURCES.



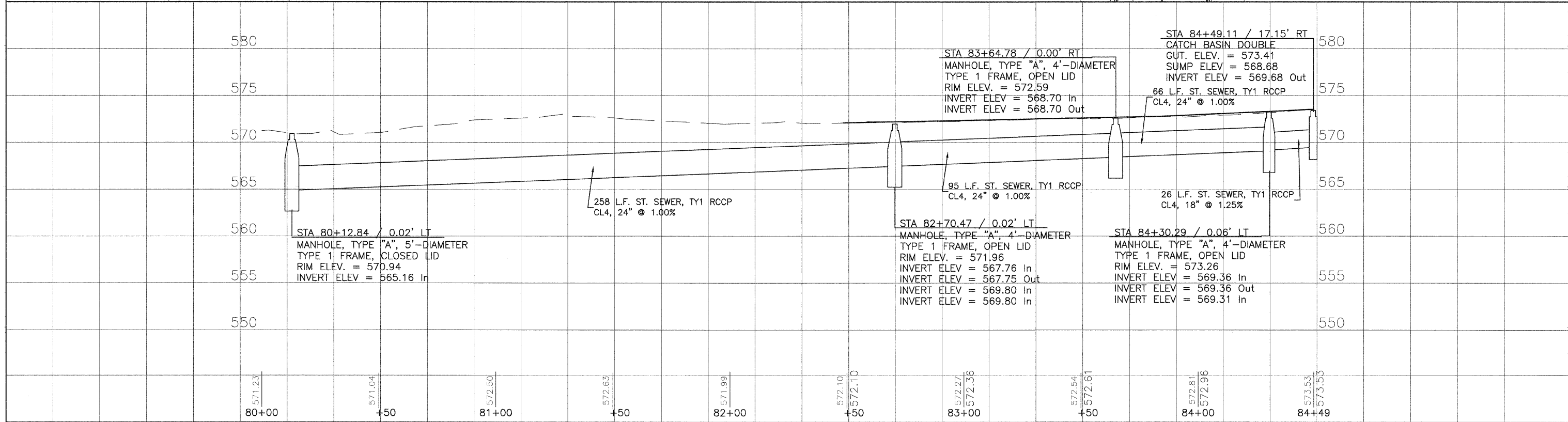
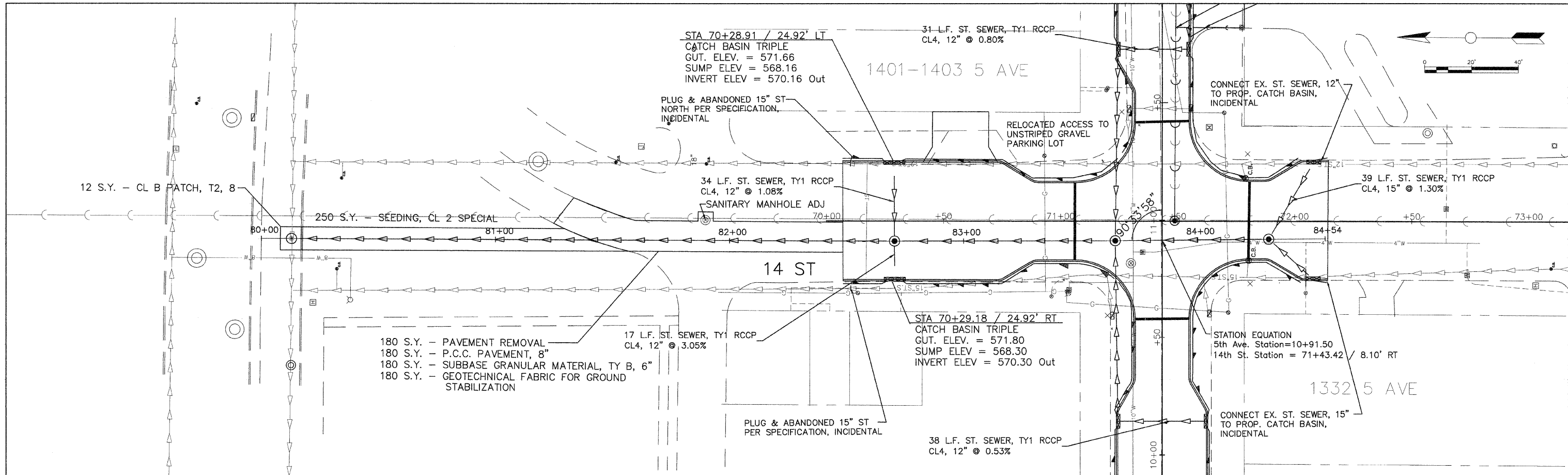
3/19/2007

CITY OF MOLINE
 DEPARTMENT OF PUBLIC WORKS - ENGINEERING DIVISION
 3635 4TH AVENUE, MOLINE, IL 61265
 (309) 797-0700
 CITY ENGINEER - SCOTT HINTON, P.E.

5TH AVENUE RECONSTRUCTION
 14TH TO 17TH STREET
 STORM & SANITARY

Date	Revision
9/25/09	PER IDOT COMMENTS
8/14/09	PER IDOT COMMENTS

Date	5/15/09	Sheet	14
Scale	1:20	OF	50
MT Project#	09-00242-00 RP	Design Engineer	JWC



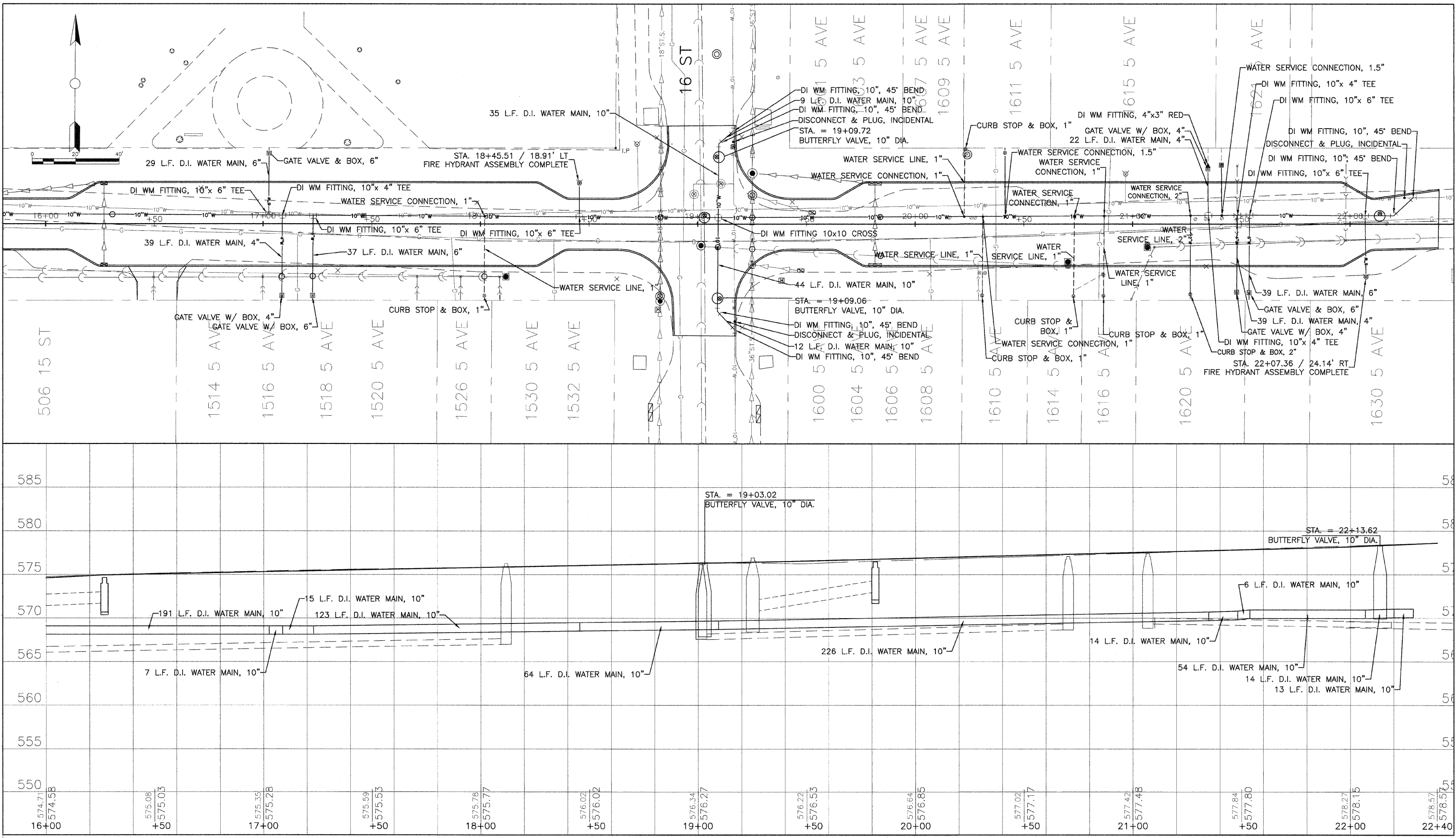
3/19/2007

CITY OF MOLINE
 DEPARTMENT OF PUBLIC WORKS - ENGINEERING DIVISION
 3635 4TH AVENUE, MOLINE, IL 61265
 (309) 797-0700
 CITY ENGINEER - SCOTT HINTON, P.E.

5TH AVENUE RECONSTRUCTION
 14TH TO 17TH STREET
 STORM & SANITARY

Date	Revision
9/25/09	PER IDOT COMMENTS
8/14/09	PER IDOT COMMENTS

Date	5/15/09	Sheet	16
Scale	1:10	OF	50
MFT Project#	09-00242-00 RP	Design Engineer	JWC



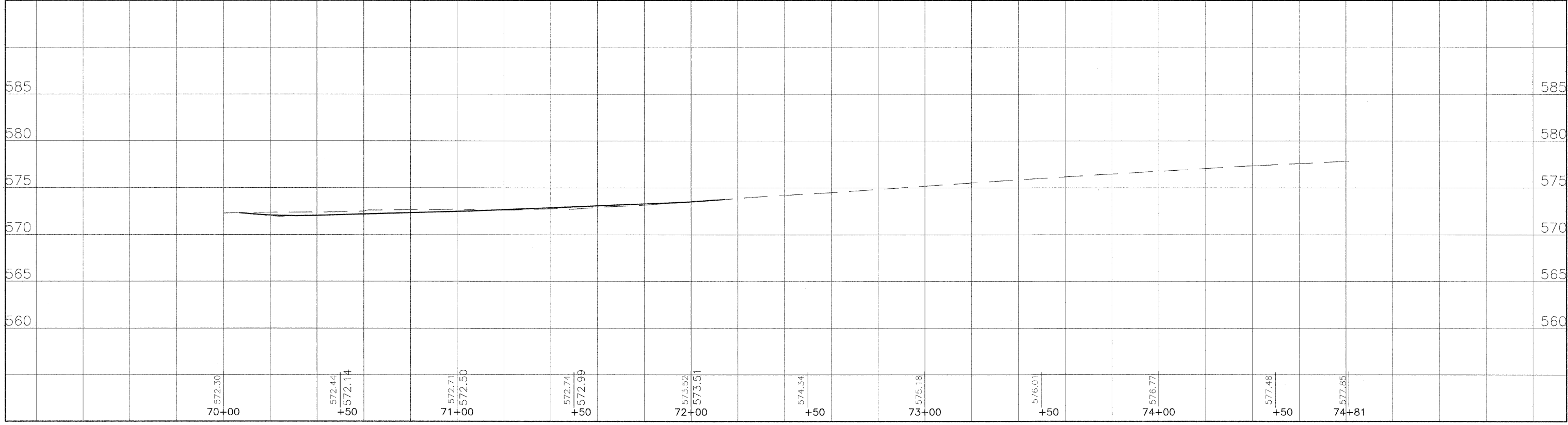
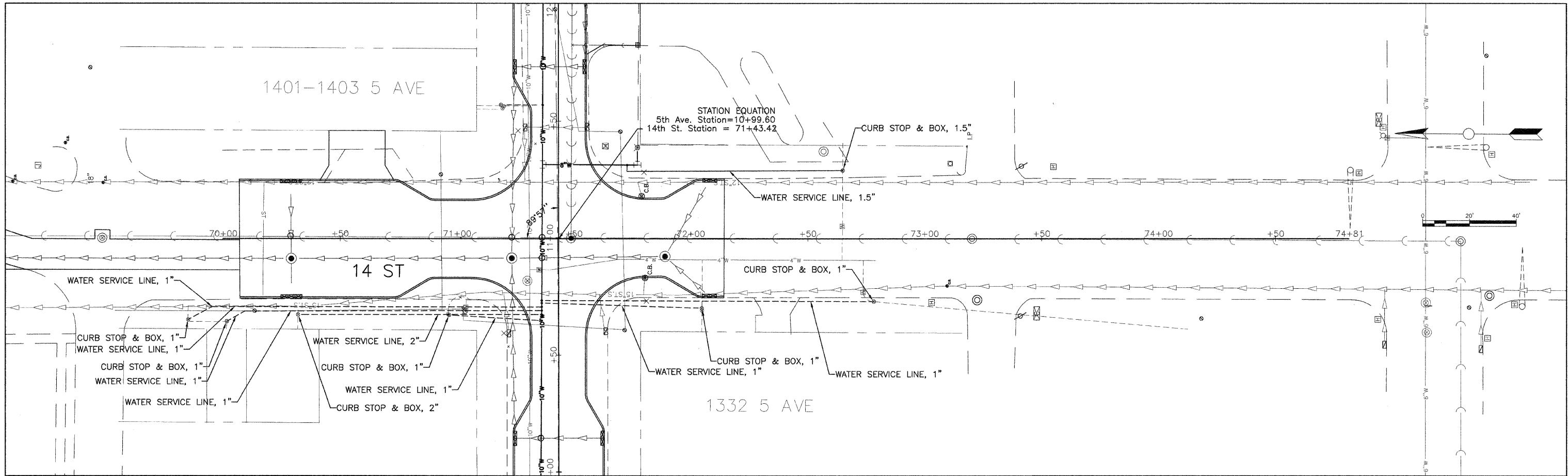
3/19/2007

CITY OF MOLINE
 DEPARTMENT OF PUBLIC WORKS - ENGINEERING DIVISION
 3635 4TH AVENUE, MOLINE, IL 61265
 (309) 797-0700
 CITY ENGINEER - SCOTT HINTON, P.E.

5TH AVENUE RECONSTRUCTION
 14TH TO 17TH STREET
 WATER MAIN

Date	Revision
9/25/09	PER IDOT COMMENTS
8/14/09	PER IDOT COMMENTS

Date	5/15/09	Sheet	18
Scale	1:20	OF	50
MFT Project#	09-00242-00 RP	Design Engineer	JWC



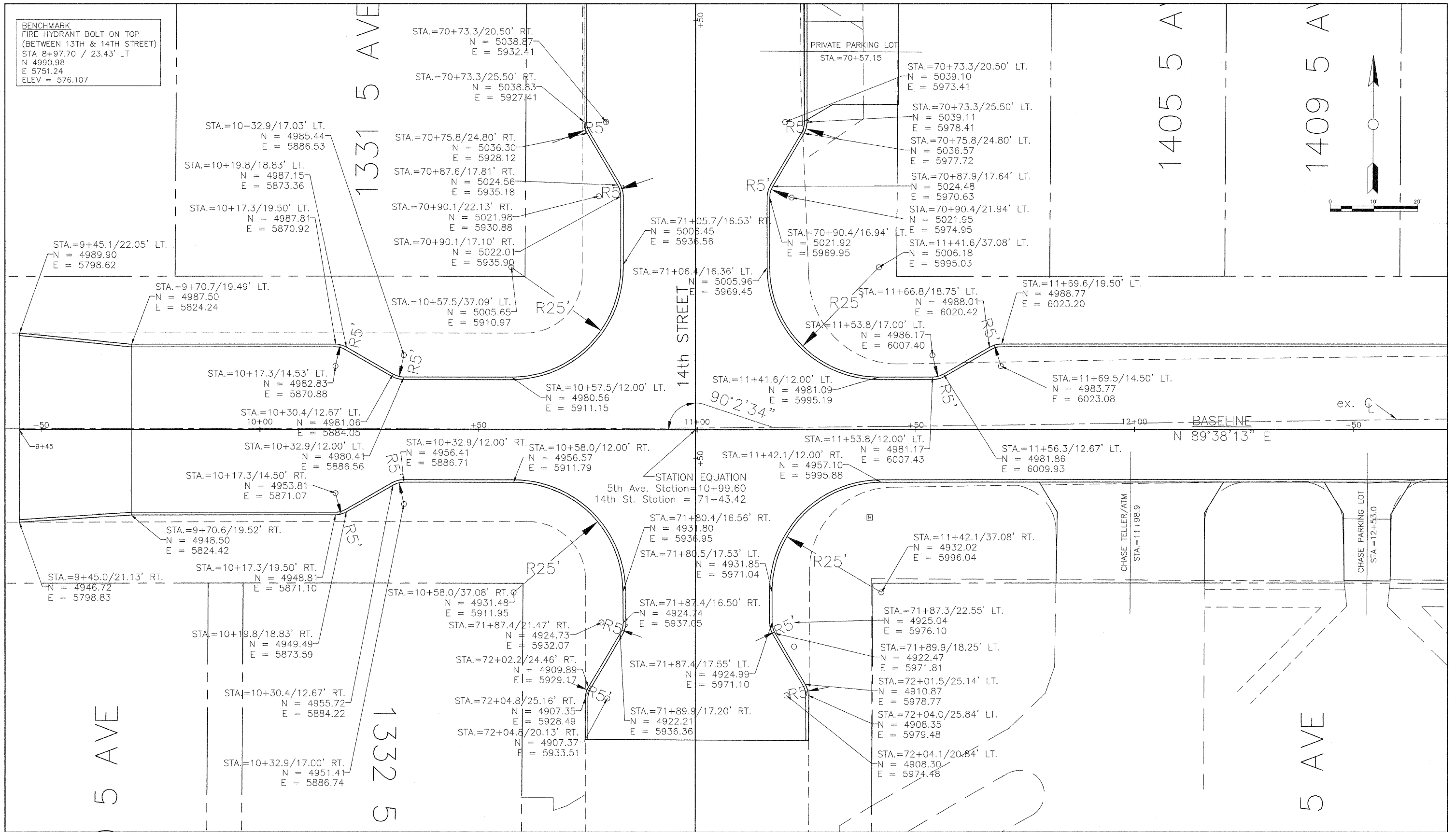
3/19/2007

CITY OF MOLINE
 DEPARTMENT OF PUBLIC WORKS - ENGINEERING DIVISION
 3635 4TH AVENUE, MOLINE, IL 61265
 (309) 797-0700
 CITY ENGINEER - SCOTT HINTON, P.E.

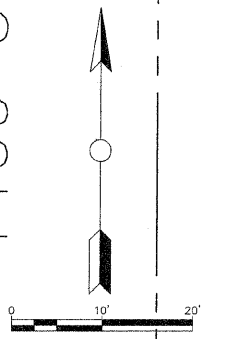
5TH AVENUE RECONSTRUCTION
 14TH TO 17TH STREET
 WATER MAIN

Date	Revision
9/25/09	PER IDOT COMMENTS
8/14/09	PER IDOT COMMENTS

Date: 5/15/09	Sheet: 19
Scale: 1:20	of 50
MFT Project# 09-00242-00 RP	Design Engineer: JWC



BENCHMARK
FIRE HYDRANT BOLT ON TOP
(BETWEEN 13TH & 14TH STREET)
STA 8+97.70 / 23.43' LT
N 4990.98
E 5751.24
ELEV = 576.107



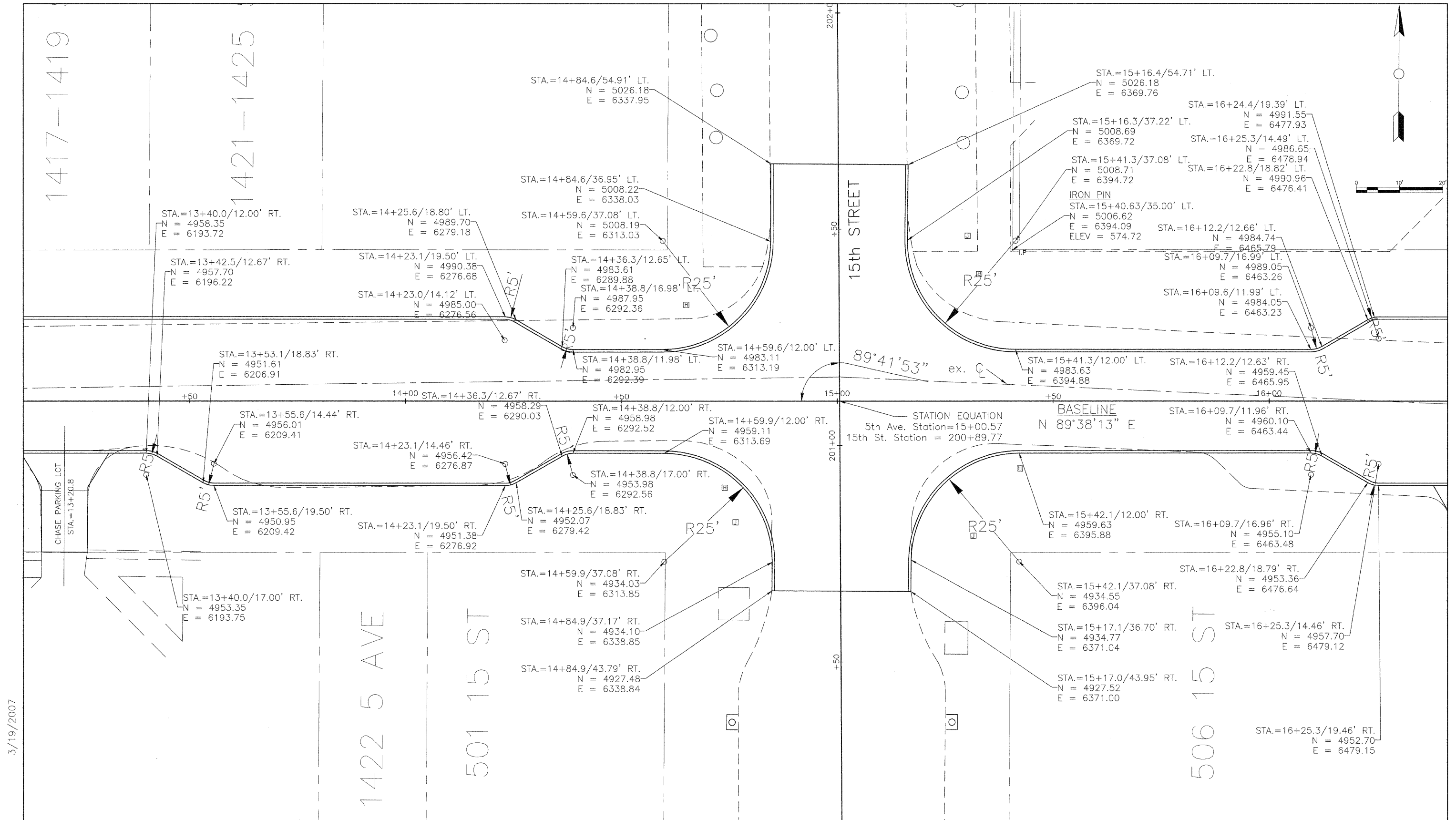
3/19/2007

CITY OF MOLINE
DEPARTMENT OF PUBLIC WORKS - ENGINEERING DIVISION
3635 4TH AVENUE, MOLINE, IL 61265
(309) 797-0700
CITY ENGINEER - SCOTT HINTON, P.E.

5TH AVENUE RECONSTRUCTION
14TH TO 17TH STREET
GEOMETRIC PLAN

Date	Revision
9/25/09	PER IDOT COMMENTS
8/14/09	PER IDOT COMMENTS

Date	5/15/09	Sheet	20
Scale	1:10	OF	50
M/I Project#	09-00242-00 RP	Design Engineer	JWC



3/19/2007

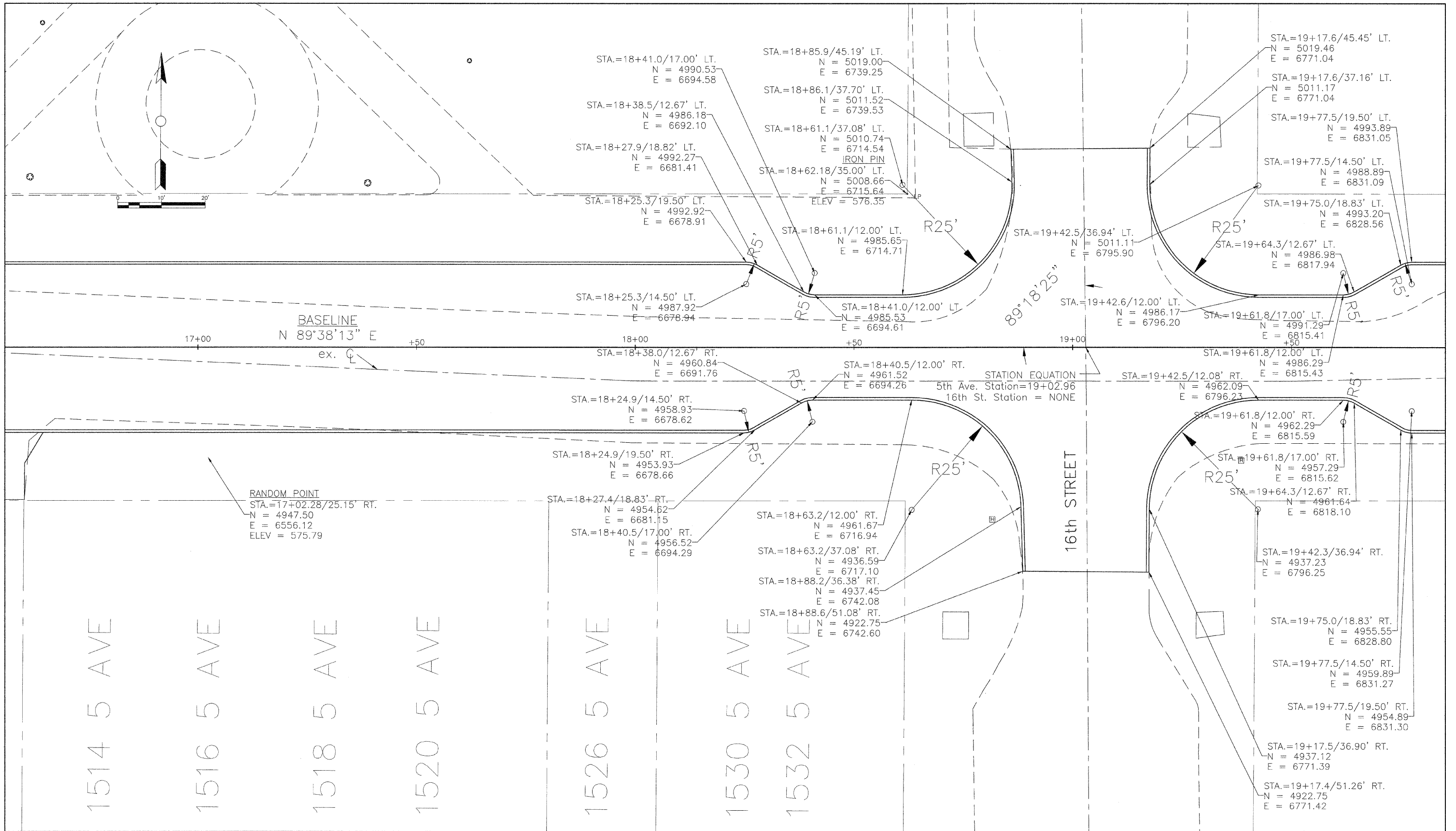


CITY OF MOLINE
 DEPARTMENT OF PUBLIC WORKS - ENGINEERING DIVISION
 3635 4TH AVENUE, MOLINE, IL 61265
 (309) 797-0700
 CITY ENGINEER - SCOTT HINTON, P.E.


5TH AVENUE RECONSTRUCTION
 14TH TO 17TH STREET
 GEOMETRIC PLAN

Date	Revision
9/25/09	PER IDOT COMMENTS
8/14/09	PER IDOT COMMENTS

Date	5/15/09	Sheet	21
Scale	1:10	OF	50
WFT Project#	09-00242-00 RP	Design Engineer	JWC



3/19/2007

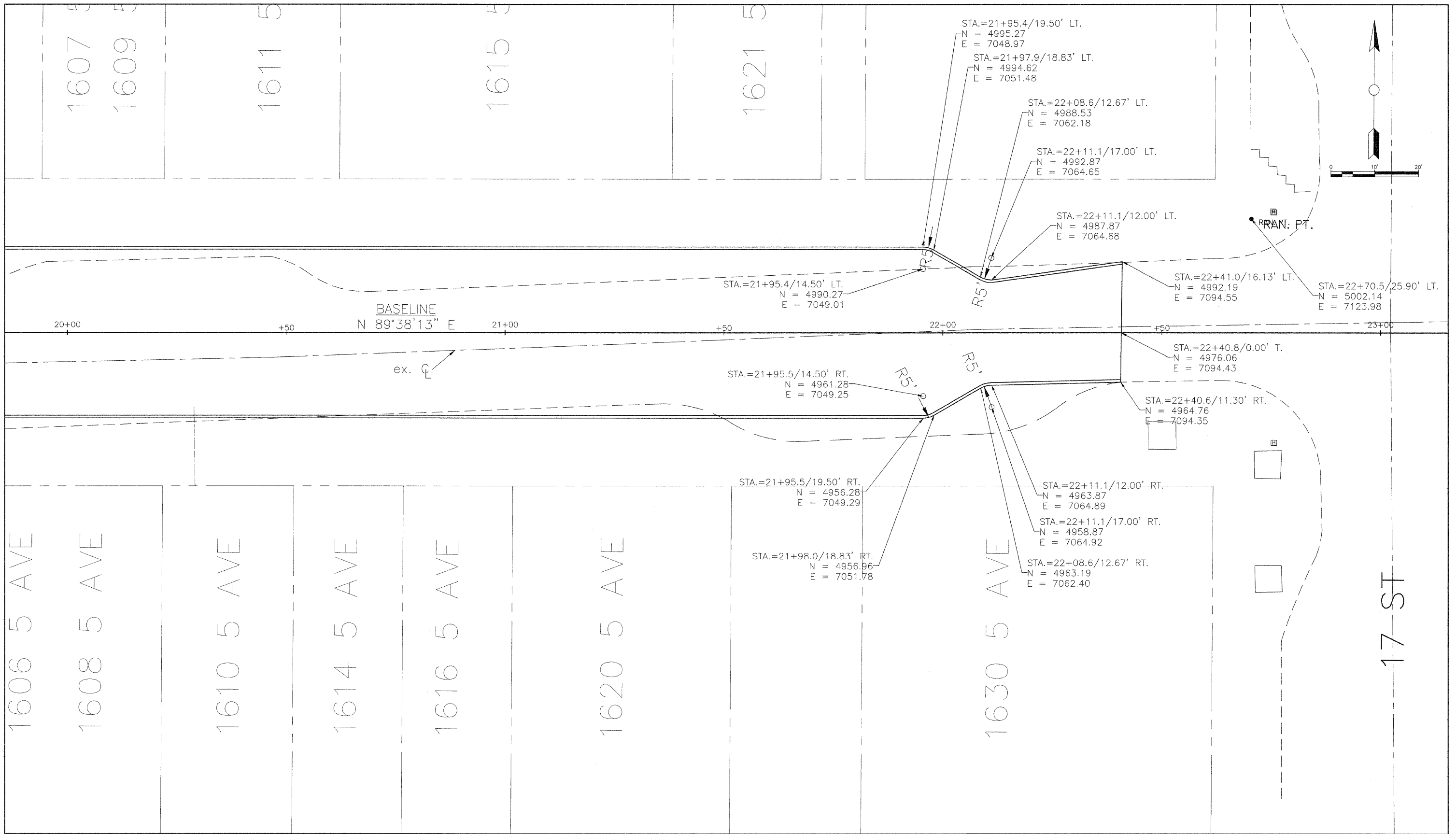

CITY OF MOLINE
 DEPARTMENT OF PUBLIC WORKS - ENGINEERING DIVISION
 3635 4TH AVENUE, MOLINE, IL 61265
 (309) 797-0700
 CITY ENGINEER - SCOTT HINTON, P.E.

5TH AVENUE RECONSTRUCTION
 14TH TO 17TH STREET
 GEOMETRIC PLAN

Date	Revision
9/25/09	PER IDOT COMMENTS
8/14/09	PER IDOT COMMENTS

Date	5/15/09	Sheet	22
Scale	1:10	OF	50
MT Project#	09-00242-00 RP	Design Engineer	JWC

3/19/2007 5th Avenue - Submittal 3_(10-2-09).dwg



CITY OF MOLINE
 DEPARTMENT OF PUBLIC WORKS - ENGINEERING DIVISION
 3635 4TH AVENUE, MOLINE, IL 61265
 (309) 797-0700
 CITY ENGINEER - SCOTT HINTON, P.E.

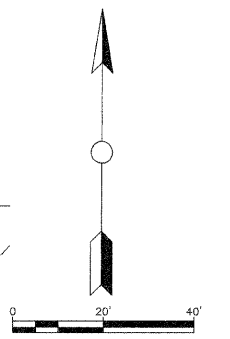
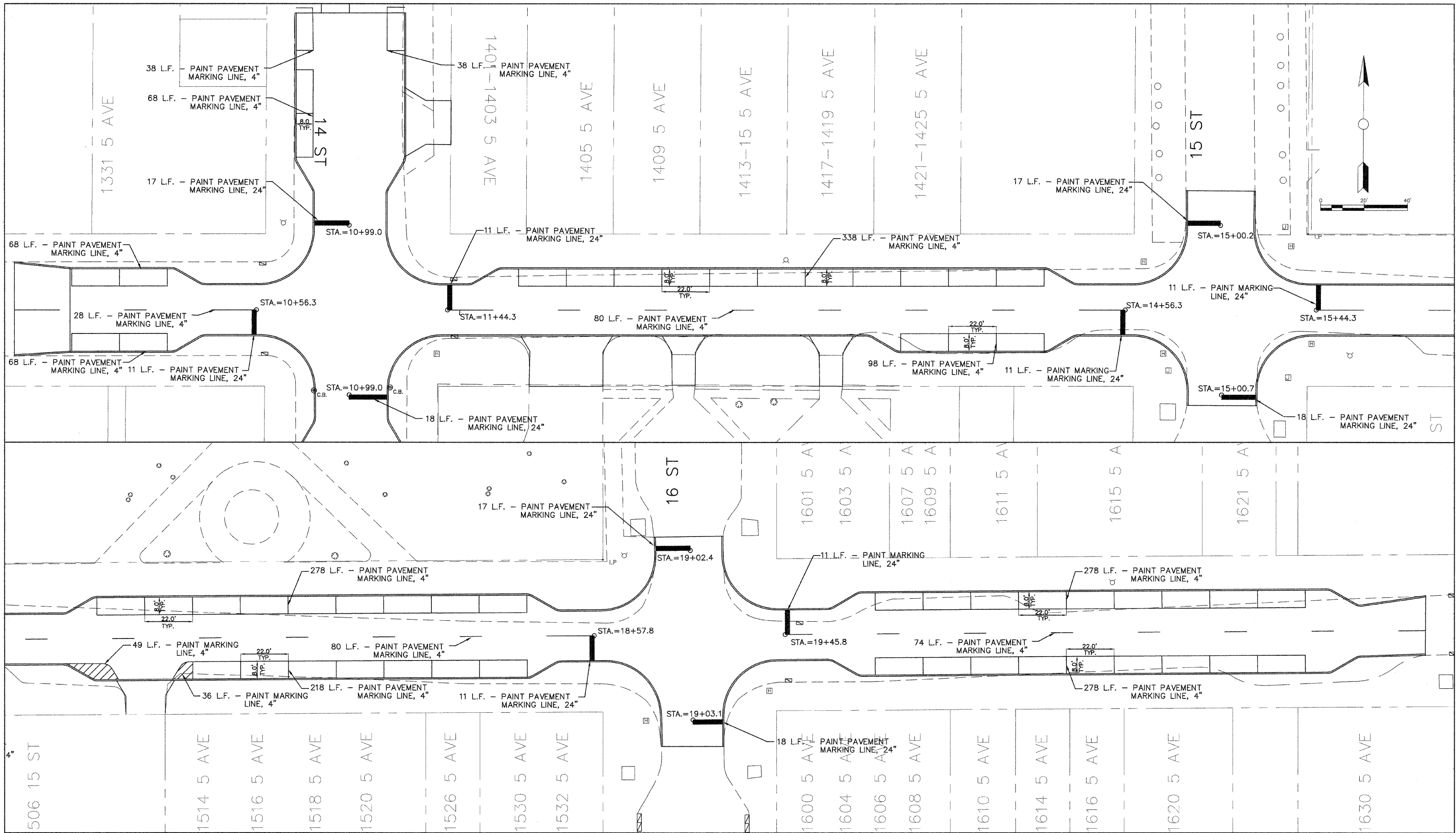
5TH AVENUE RECONSTRUCTION
 14TH TO 17TH STREET
 GEOMETRIC PLAN

Date	Revision
9/25/09	PER IDOT COMMENTS
8/14/09	PER IDOT COMMENTS

Date	5/15/09	Sheet	23
Scale	1:10	OF	50
MFT Project#	09-00242-00 RP	Design Engineer	JWC

5th Avenue - Submittal 3_(10-2-09).dwg

3/19/2007



CITY OF MOLINE
 DEPARTMENT OF PUBLIC WORKS - ENGINEERING DIVISION
 3635 4TH AVENUE, MOLINE, IL 61265
 (309) 797-0700
 CITY ENGINEER - SCOTT HINTON, P.E.

5TH AVENUE RECONSTRUCTION
 14TH TO 17TH STREET
 PAVEMENT MARKING PLAN

Date	Revision
9/25/09	PER IDOT COMMENTS
8/14/09	PER IDOT COMMENTS

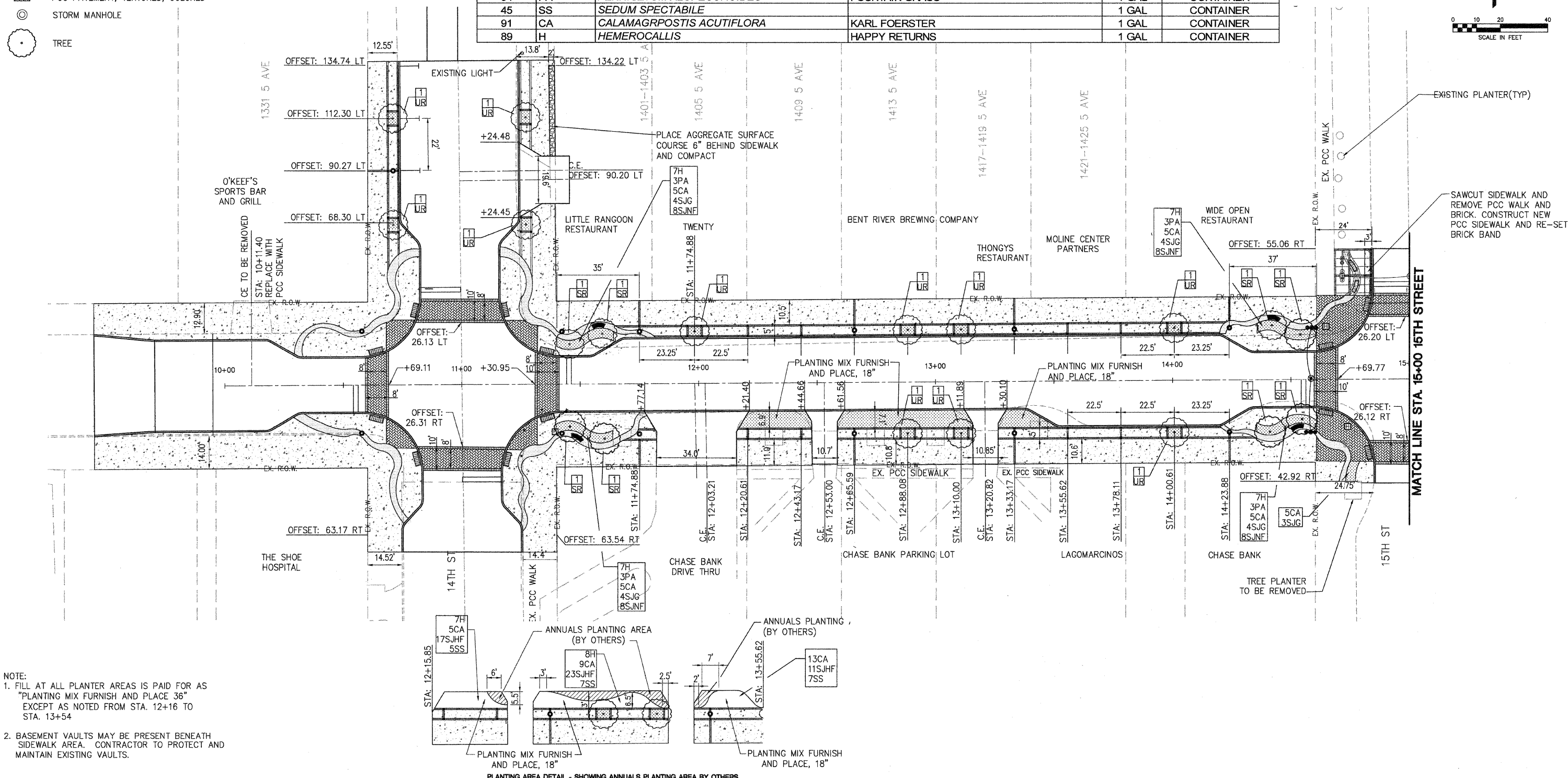
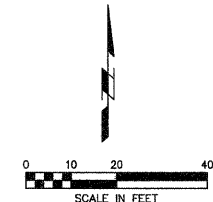
Date	5/15/09	Sheet	24
Scale	1:20	OF	50
MFT Project#	09-00242-00 RP	Design Engineer	JWC

LEGEND

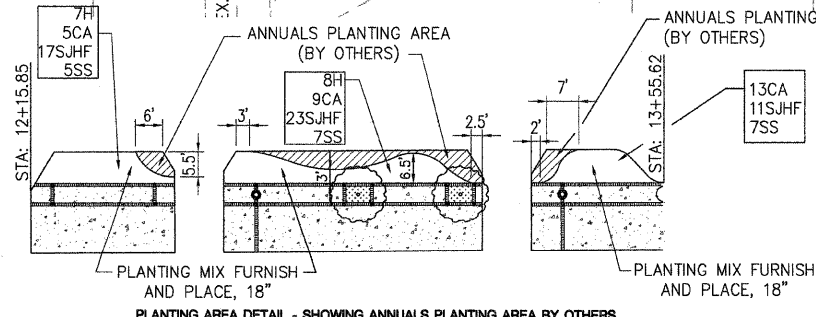
- LIGHT FIXTURE TYPE C (14 FOOT LIGHT POLE)
- LIGHT FIXTURE TYPE B (20 FOOT LIGHT POLE)
- ▨ ADA RAMP
- BENCH
- BRICK PAVER BAND
- HANDHOLE TO BE REMOVED AND REPLACED
- JUNCTION BOX
- ▨ PLANTING MIX AND LANDSCAPE MULCH
- ▨ PCC SIDEWALK, 4"
- ▨ PCC SIDEWALK, TEXTURED, COLORED, 4"
- ▨ PCC PAVEMENT, TEXTURED, COLORED
- ⊙ STORM MANHOLE
- TREE

PLANT SCHEDULE:

QUANTITY	SYMBOL	SCIENTIFIC NAME	COMMON NAME	SIZE	NOTES
Deciduous Tree					
20	SR	<i>SYRINGA RETICULATA</i>	JAPANESE TREE LILAC	2" CAL	B&B; MULTI STEM
30	UR	<i>ULMUS REGAL</i>	REGAL ELM	2 1/2" CAL	B&B
Deciduous Shrub					
50	SJG	<i>SPIREA JAPONICA GOLDMOUND</i>	GOLD MOUND JAPANESE SPIREA	3 GAL	CONTAINER
143	SJNF	<i>SPIREA JAPONICA NEON FLASH</i>	NEON FLASH JAPANESE SPIREA	3 GAL	CONTAINER
Perennials					
54	PA	<i>PENNISETUM ALOPECUROIDES</i>	FOUNTAIN GRASS	1 GAL	CONTAINER
45	SS	<i>SEDUM SPECTABILE</i>		1 GAL	CONTAINER
91	CA	<i>CALAMAGRPOSTIS ACUTIFLORA</i>	KARL FOERSTER	1 GAL	CONTAINER
89	H	<i>HEMEROCALLIS</i>	HAPPY RETURNS	1 GAL	CONTAINER



NOTE:
 1. FILL AT ALL PLANTER AREAS IS PAID FOR AS "PLANTING MIX FURNISH AND PLACE 36" EXCEPT AS NOTED FROM STA. 12+16 TO STA. 13+54
 2. BASEMENT VAULTS MAY BE PRESENT BENEATH SIDEWALK AREA. CONTRACTOR TO PROTECT AND MAINTAIN EXISTING VAULTS.

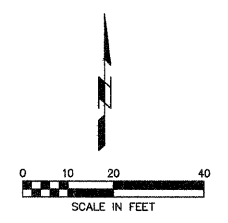


CITY OF MOLINE
 DEPARTMENT OF PUBLIC WORKS - ENGINEERING DIVISION
 3635 4TH AVENUE, MOLINE, IL 61265
 (309) 797-0700
 CITY ENGINEER - SCOTT HINTON, P.E.

5TH AVENUE
STREETScape PLAN

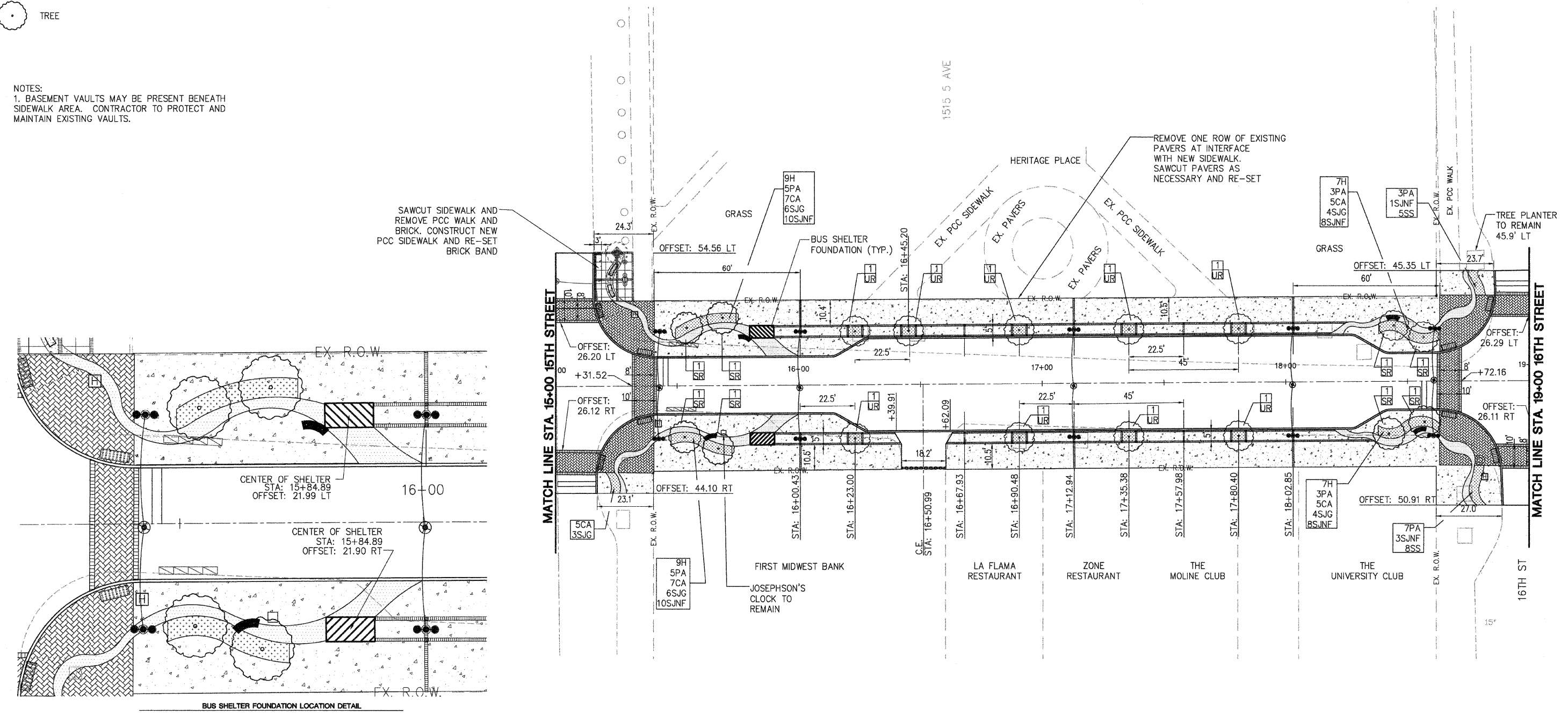
Date	Revision

Date	09-30-09	Sheet	25 OF 50
Scale	1" = 20'		
MTT PROJ. #	09-00242-00RP	DESIGNER	



- LEGEND**
- LIGHT FIXTURE TYPE C (14' LIGHT POLE)
 - LIGHT FIXTURE TYPE B (20' LIGHT POLE)
 - ▨ ADA RAMP
 - ▩ BENCH
 - BRICK PAVER BAND
 - HANDHOLE TO BE REMOVED AND REPLACED
 - JUNCTION BOX
 - ▨ PLANTING MIX AND LANDSCAPE MULCH
 - ▨ PCC SIDEWALK, 4"
 - ▨ PCC SIDEWALK, TEXTURED, COLORED, 4"
 - ▨ PCC PAVEMENT, TEXTURED, COLORED
 - ⊙ STORM MANHOLE
 - TREE

NOTES:
1. BASEMENT VAULTS MAY BE PRESENT BENEATH SIDEWALK AREA. CONTRACTOR TO PROTECT AND MAINTAIN EXISTING VAULTS.



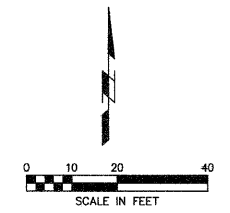
BUS SHELTER FOUNDATION LOCATION DETAIL

CITY OF Moline
DEPARTMENT OF PUBLIC WORKS - ENGINEERING DIVISION
3635 4TH AVENUE, MOLINE, IL 61265
(309) 797-0700
CITY ENGINEER - SCOTT HINTON, P.E.

5TH AVENUE
STREETScape PLAN

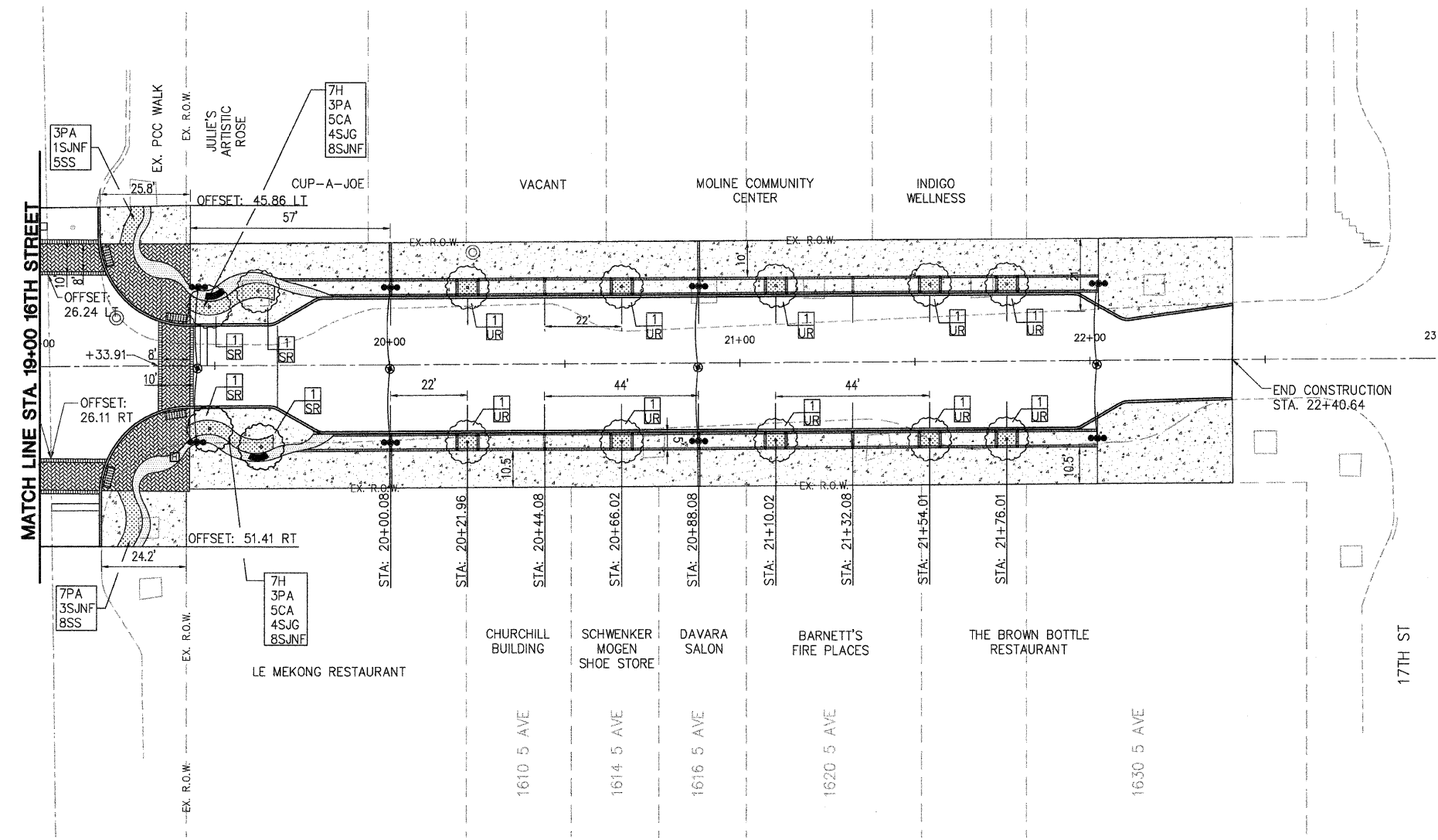
Date	Revision

Date 09-30-09	Sheet 26 of 50
Scale 1" = 20'	
MPT PROJ. # 09-00242-00RP	DESIGNER



- LEGEND**
- LIGHT FIXTURE TYPE C (14' LIGHT POLE)
 - LIGHT FIXTURE TYPE B (20' LIGHT POLE)
 - ▨ ADA RAMP
 - ▭ BENCH
 - BRICK PAVER BAND
 - HANDHOLE TO BE REMOVED AND REPLACED
 - JUNCTION BOX
 - ▨ PLANTING MIX AND LANDSCAPE MULCH
 - ▨ PCC SIDEWALK, 4"
 - ▨ PCC SIDEWALK, TEXTURED, COLORED, 4"
 - ▨ PCC PAVEMENT, TEXTURED, COLORED
 - ⊙ STORM MANHOLE
 - TREE

NOTES:
1. BASEMENT VAULTS MAY BE PRESENT BENEATH SIDEWALK AREA. CONTRACTOR TO PROTECT AND MAINTAIN EXISTING VAULTS.

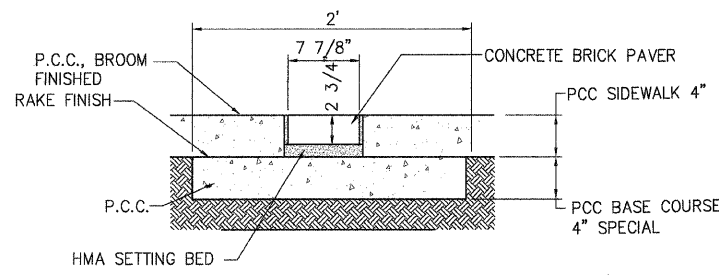


CITY OF Moline
DEPARTMENT OF PUBLIC WORKS - ENGINEERING DIVISION
3635 4TH AVENUE, MOLINE, IL 61265
(309) 797-0700
CITY ENGINEER - SCOTT HINTON, P.E.

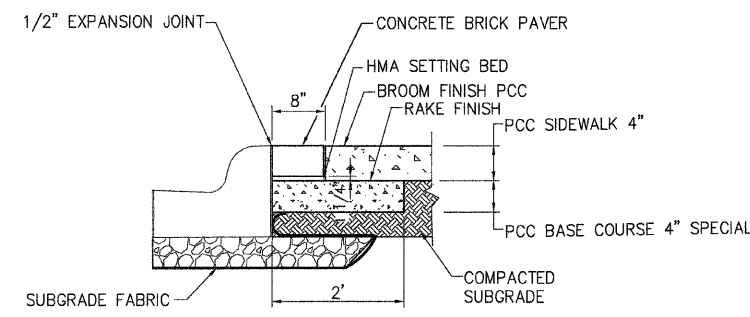
5TH AVENUE
STREETSCAPE PLAN

Date	Revision

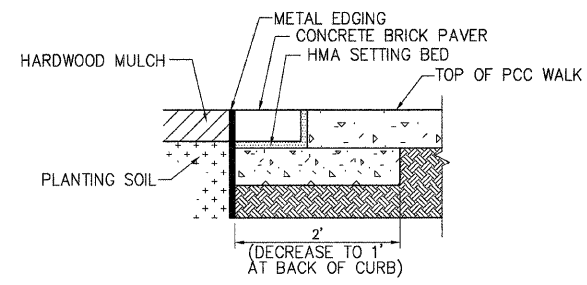
Date 09-30-09	Sheet 27 OF 50
Scale 1" = 20'	
MFT PROJ. # 09-00242-00RP	DESIGNER



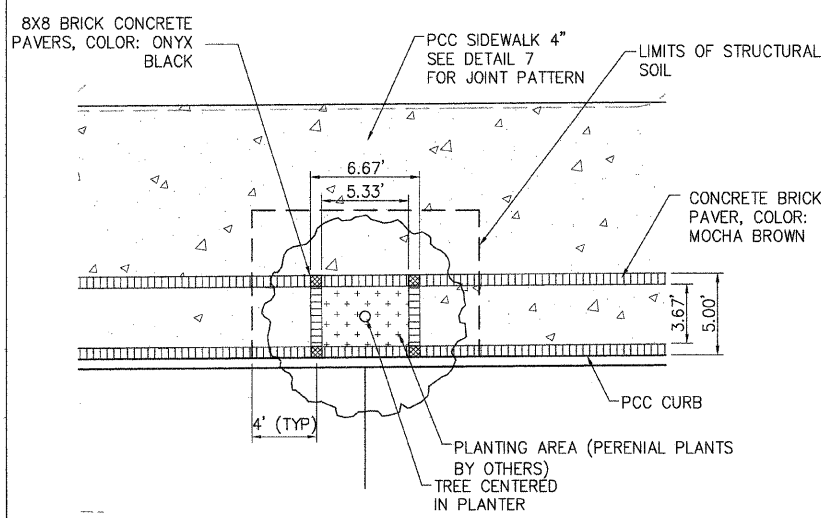
1 SIDEWALK CROSS-SECTION AT BRICK PAVER BAND
 NOT TO SCALE



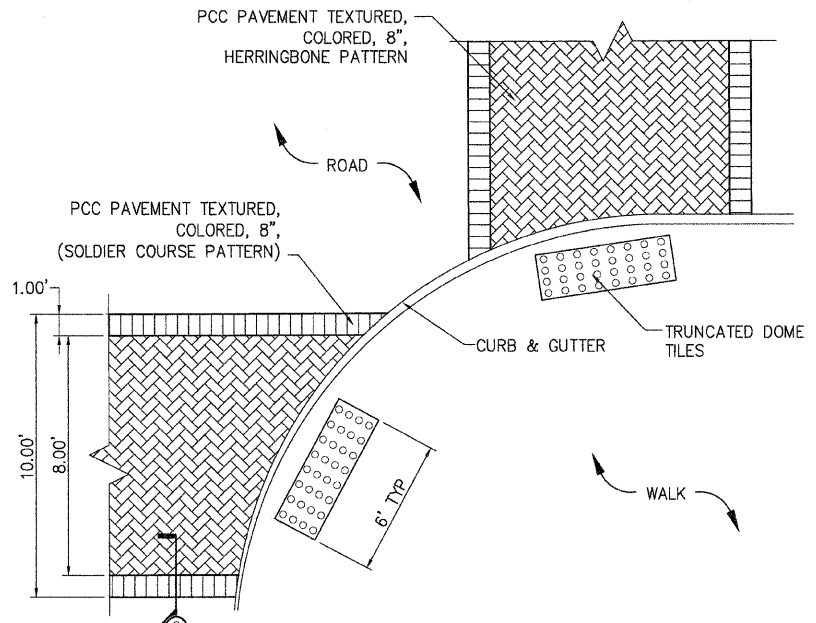
2 BRICK PAVER BAND ADJACENT TO CURB
 NOT TO SCALE



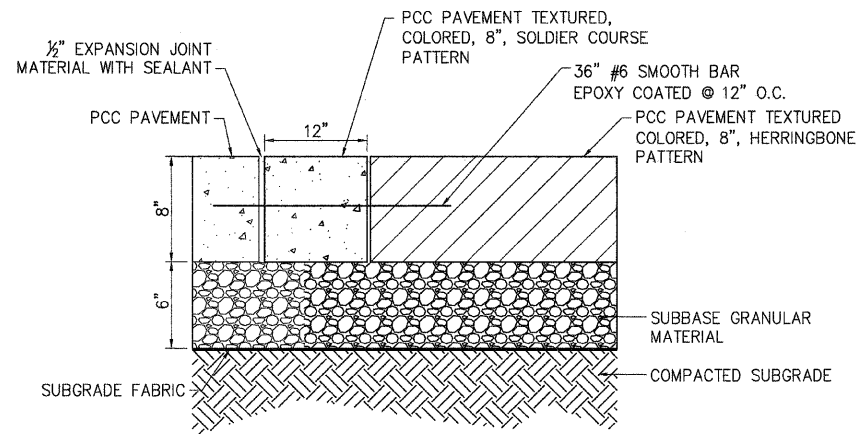
3 BRICK PAVER BAND AT PLANTER
 NOT TO SCALE



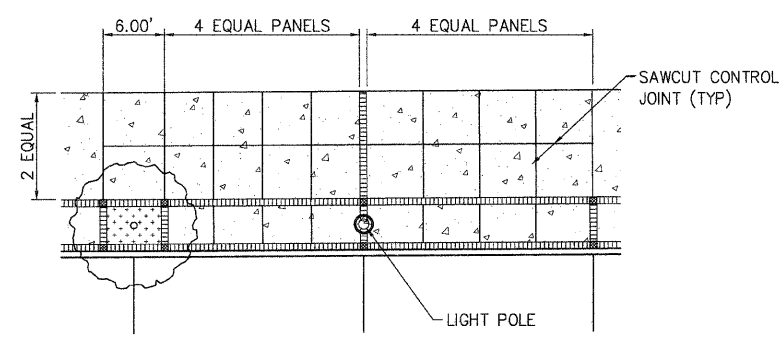
4 TYPICAL FOR PLANTERS
 NOT TO SCALE



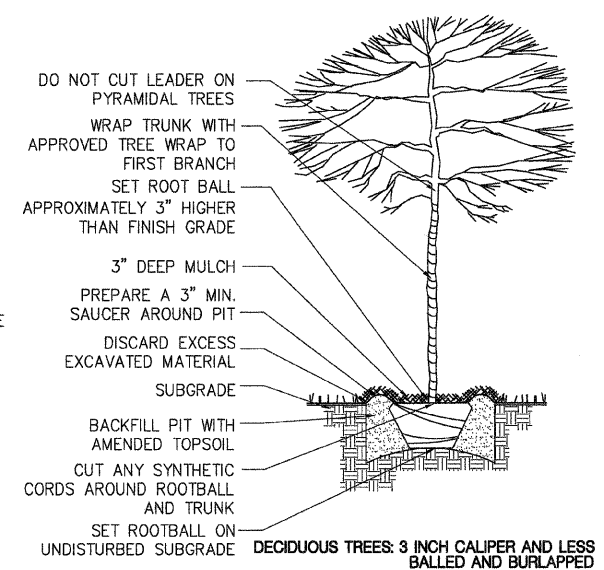
5 TYP. CROSSWALK LAYOUT- 6TH AVENUE INTERSECTION
 NTS



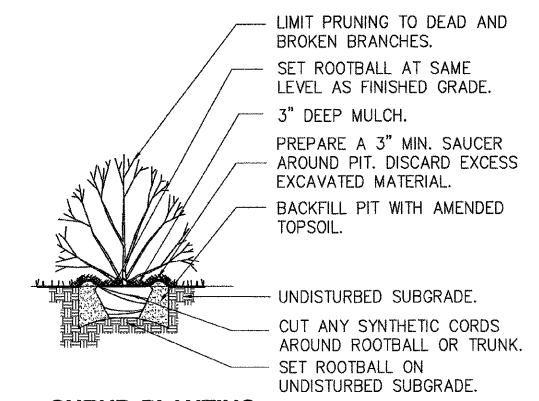
6 CROSSWALK SECTION
 NOT TO SCALE



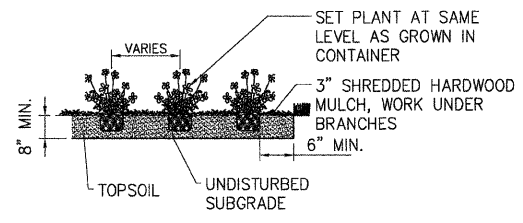
7 SIDEWALK JOINTING PATTERN
 NOT TO SCALE



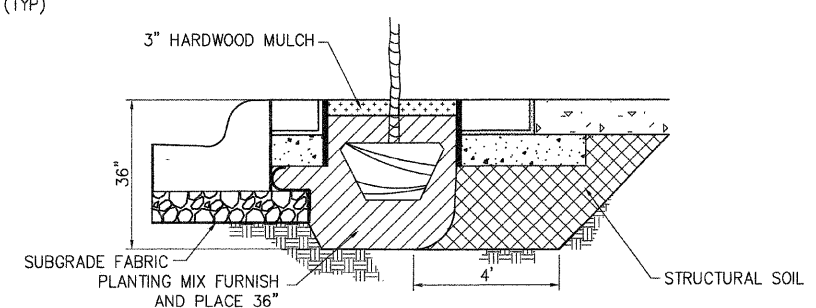
8 DECIDUOUS TREE
 NOT TO SCALE



9 SHRUB PLANTING
 NOT TO SCALE



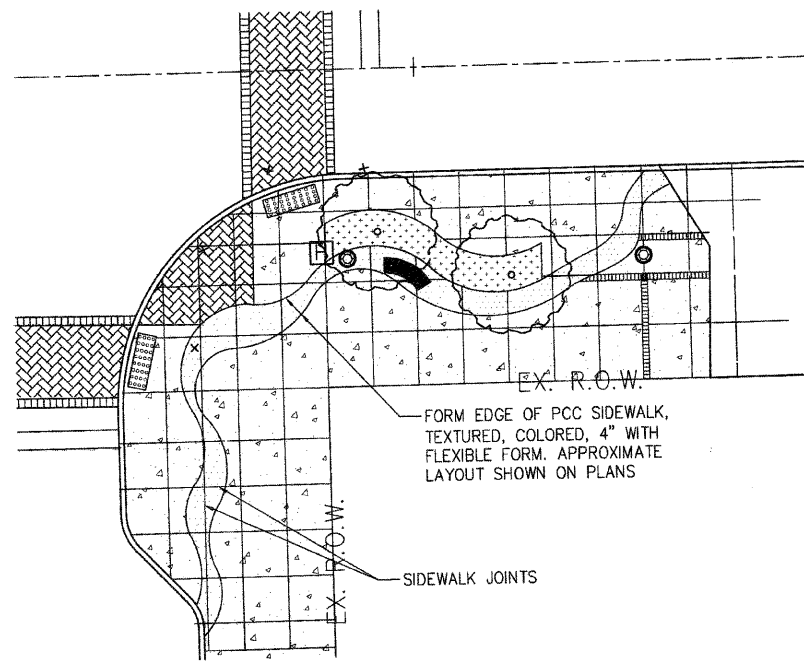
10 PERENNIAL PLANTING
 NOT TO SCALE



11 TREE PLANTING
 NOT TO SCALE

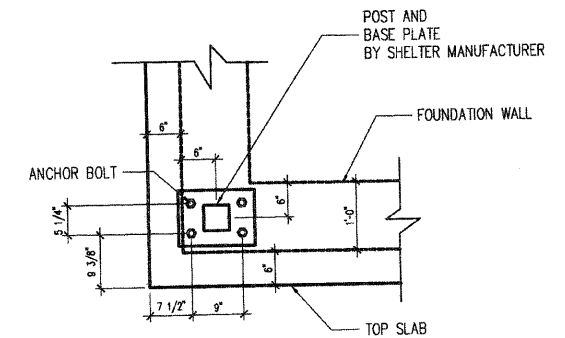
GENERAL NOTES:

- THE LOCATIONS OF UTILITY MAINS, STRUCTURES AND SERVICE CONNECTIONS PLOTTED ON THIS DRAWING ARE APPROXIMATE ONLY AND WERE OBTAINED FROM RECORDS MADE AVAILABLE TO SHIVE-HATTERY, INC. THERE MAY BE OTHER EXISTING UTILITY MAINS, STRUCTURES AND SERVICE CONNECTIONS NOT KNOWN TO SHIVE-HATTERY, INC. AND NOT SHOWN ON THESE DRAWINGS. THE VERIFICATION OF EXISTENCE OF AND THE DETERMINATION OF THE EXACT LOCATION OF, UTILITY MAINS, STRUCTURES AND SERVICE CONNECTIONS SHALL BE THE RESPONSIBILITY OF THE CONSTRUCTION CONTRACTOR(S).
- NOTIFY UTILITY COMPANIES WITH FACILITIES SHOWN ON THE PLANS OR KNOWN TO BE WITHIN CONSTRUCTION LIMITS OF THE SCHEDULE PRIOR TO EACH STAGE OF CONSTRUCTION. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL UNCOVER EXISTING UTILITIES AT CRITICAL LOCATIONS TO VERIFY EXACT HORIZONTAL AND VERTICAL LOCATIONS. CONTACT J.U.L.I.E FOR UTILITY LOCATIONS 48 HOURS (MINIMUM) PRIOR TO START OF CONSTRUCTION. 1-800-892-0123.
- THE MEANS OF THE WORK AND THE SAFETY OF THE CONTRACTOR'S EMPLOYEES ARE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.
- NO WORK SHALL BE PERFORMED BEYOND THE PROJECT LIMITS WITHOUT PRIOR AUTHORIZATION FROM THE OWNER'S REPRESENTATIVE.
- A PRE-CONSTRUCTION MEETING SHALL BE HELD FOLLOWING ISSUANCE OF THE NOTICE TO PROCEED BUT PRIOR TO COMMENCING WORK.
- PROVIDE TRAFFIC AND PEDESTRIAN CONTROL MEASURES (SIGNS, BARRICADES, FLAGGERS, ETC.) IN COMPLIANCE WITH PART VI OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) LATEST EDITION AND THE CITY OF MOLINE STANDARDS.
- PROTECT EXISTING UTILITIES DURING CONSTRUCTION.
- SITE CLEAN-UP SHALL BE PERFORMED ON A DAILY BASIS. SIDEWALKS, PARKING LOTS, ROADWAYS, ETC. SHALL BE KEPT CLEAN AT ALL TIMES. CONTROL DUST SPREADING FROM ALL WORK AND STAGING AREAS.
- ALL OPEN EXCAVATIONS SHALL BE PROTECTED.
- REPLACE ANY PROPERTY MONUMENTS REMOVED OR DESTROYED BY CONSTRUCTION. MONUMENTS SHALL BE SET BY A LAND SURVEYOR REGISTERED TO PRACTICE IN THE STATE OF ILLINOIS.
- REPAIR OR REPLACE EXISTING FACILITIES (CURBS, PAVEMENT, UTILITIES, ETC.) TO REMAIN AT NO ADDITIONAL EXPENSE TO OWNER.
- FOR ITEMS SPECIFIED WITH AN "APPROVED EQUIVALENT", THE APPROVAL SHALL BE BY THE CITY OF MOLINE ENGINEER.
- PLANTING SOIL SHALL BE ENGINEER APPROVED SOIL CONSISTING OF FERTILE, FRIABLE SOIL WITH 4% TO 25% ORGANIC MATTER MIXED WITH PEAT AT A RATE OF FIVE PARTS SOIL TO ONE PART PEAT. THIS ITEM SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD OF PLANTING MIX OF THE DEPTH SPECIFIED. EXCAVATION AND DISPOSAL OF NATIVE MATERIAL SHALL BE INCIDENTAL TO THIS ITEM.
- CONTRACTOR SHALL PROVIDE ENGINEER A FIELD LAYOUT FOR PLANTS AND SHRUBS FOR APPROVAL PRIOR TO INSTALLATION. SEE SUMMARY OF QUANTITIES FOR PLANT TYPES AND NUMBERS.

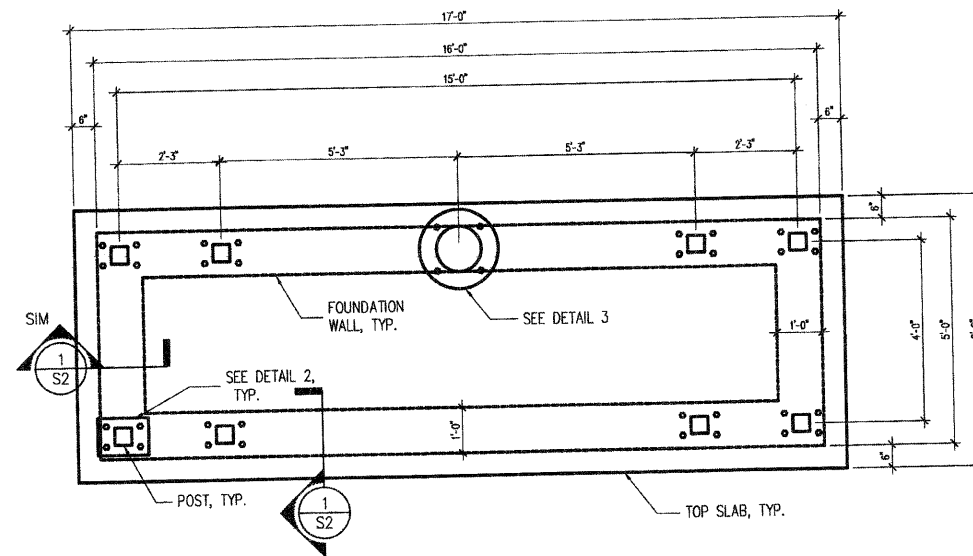
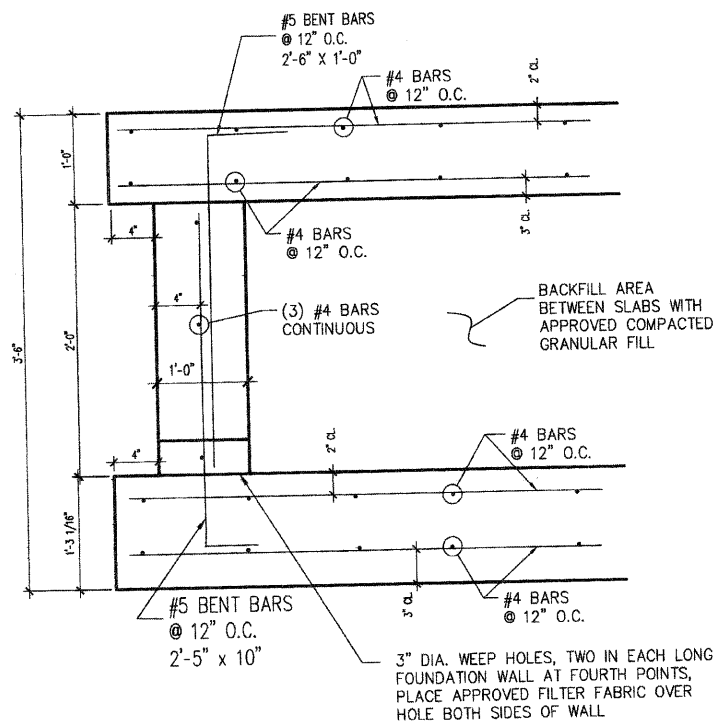


- SUGGESTED SEQUENCE TEXTURED COLORED CONCRETE NOTES:**
1. CONSTRUCT UNDERGROUND UTILITIES AND LIGHT POLE FOUNDATIONS
 2. SET FORMS DEFINING PCC SIDEWALK, TEXTURED, COLORED, 4"
 3. REVIEW LAYOUT WITH OWNER
 4. POUR PLAIN PCC SIDEWALK, 4"
 5. SAWCUT JOINTS IN PLAIN PCC SIDEWALK, 4"
 6. POUR PCC SIDEWALK, TEXTURED, COLORED, 4". PROTECT PLAIN SIDEWALK & PAVEMENT FROM STAINING
 7. SAWCUT JOINTS IN PCC SIDEWALK, TEXTURED, COLORED, 4"
 8. SEAL TEXTURED COLORED SIDEWALK

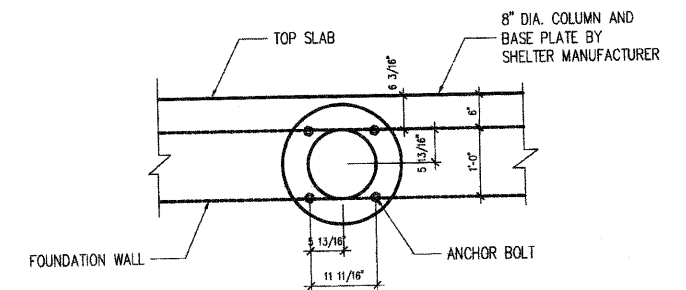
1 DETAIL PCC SIDEWALK, TEXTURED, COLORED, 4"
 NOT TO SCALE



4 POST ANCHOR BOLT DETAIL
 3/4"=1'-0"



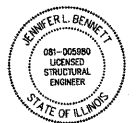
- NOTES:**
1. CONCRETE COMPRESSIVE STRENGTH SHALL BE 4000 PSI AT 28 DAYS.
 2. ANCHOR BOLTS SHALL BE KWIK BOLT 3 STAINLESS STEEL, 5/8" DIA., 4" MIN. EMBEDMENT.
 3. VERIFY POST SPACING WITH SHELTER MANUFACTURER.
 4. VERIFY ANCHOR BOLT SPACING WITH SHELTER MANUFACTURER.
 5. MAINTAIN 4" MIN. EDGE DISTANCE FROM ANCHOR BOLTS TO EDGE OF TOP SLAB AND 3 1/2" MIN. ANCHOR BOLT SPACING.
 6. ADJUST FOUNDATION PLAN AND ANCHOR BOLT DIMENSIONS ACCORDING TO NOTES 3, 4, AND 5.
 7. ALLOWABLE SOIL BEARING CAPACITY SHALL BE 1,000 PSF MIN.
 8. REINFORCEMENT SHALL HAVE MINIMUM YIELD STRENGTH OF 60 KSI.



5 COLUMN ANCHOR BOLT DETAIL
 3/4"=1'-0"

2 SECTION THRU FOUNDATION WALL
 NOT TO SCALE

3 BUS SHELTER FOUNDATION PLAN
 NOT TO SCALE



Signature: *Jennifer L. Bennett*
 Date: 10-2-09
 Exp. Date: 11-30-10

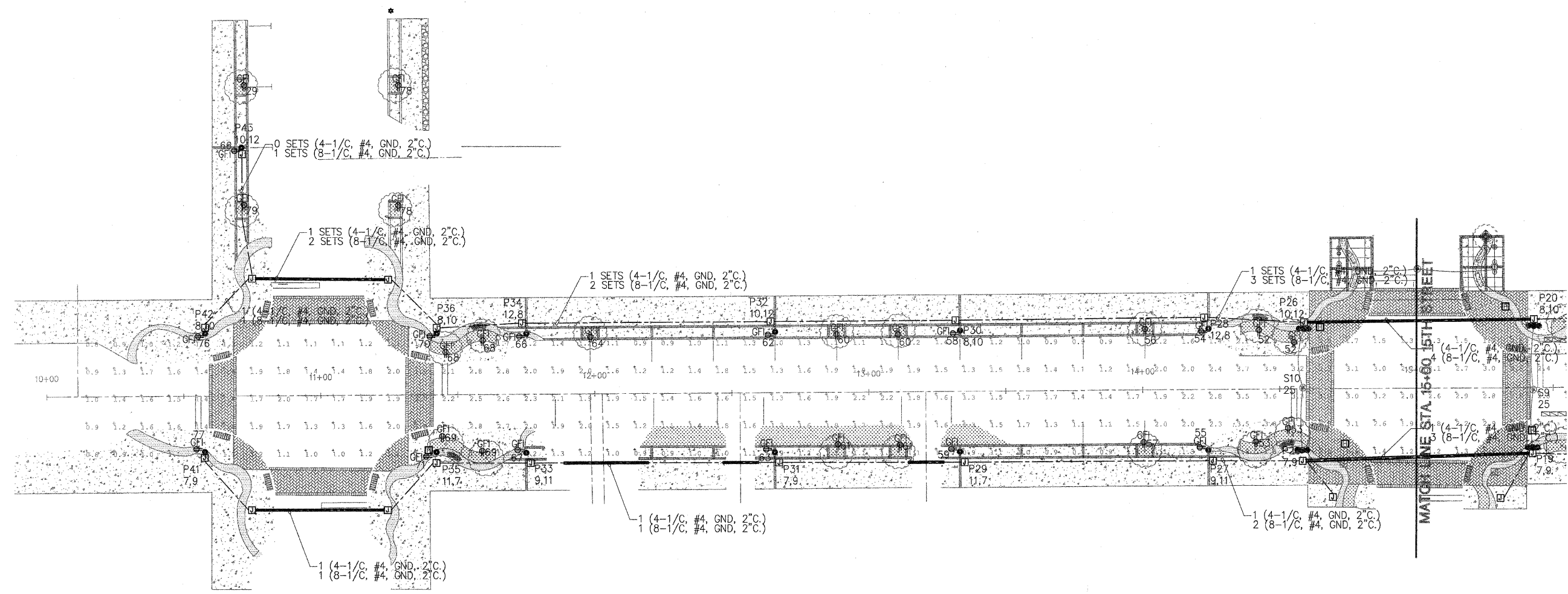
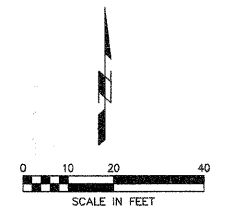


CITY OF MOLINE
 DEPARTMENT OF PUBLIC WORKS - ENGINEERING DIVISION
 3635 4TH AVENUE, MOLINE, IL 61265
 (309) 797-0700
 CITY ENGINEER - SCOTT HINTON, P.E.

5TH AVENUE
 STREETScape DETAILS

Date	Revision

Date	Sheet
09-30-09	29 of 50
Scale	NTS
MFT PROJ. #	DESIGNER
09-00242-00RP	



LEGEND

- LIGHT FIXTURE - TYPE D
- LIGHT FIXTURE - TYPE B
- LIGHT FIXTURE - TYPE C
- HANDHOLE
- JUNCTION BOX
- UNIT DUCT
- CONDUIT SLEEVE
- RECEPTACLE (GFI TYPE) WITH WEATHER PROOF COVER

NOTES:

1. LIGHT FIXTURE TYPE B, C, AND D WILL BE PURCHASED BY THE CITY SEPARATE FROM THIS CONTRACT. CONTRACTOR TO FURNISH ALL LABOR, EQUIPMENT, CONSTRUCT POLE FOUNDATIONS, AND INSTALL POLES AND FIXTURES.

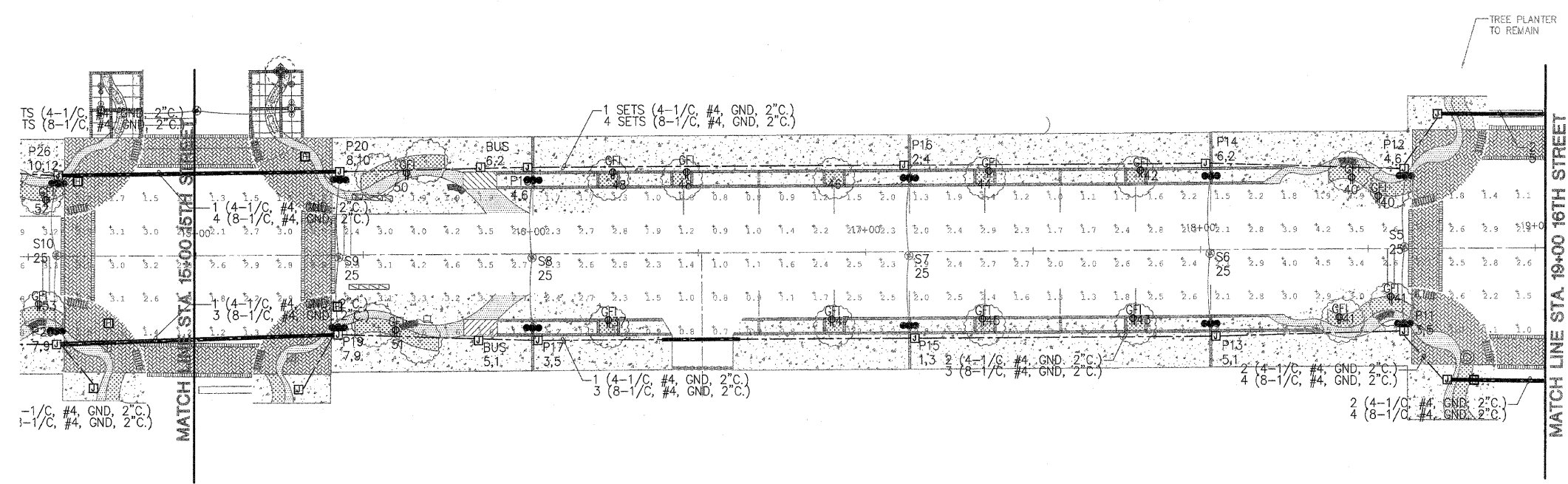
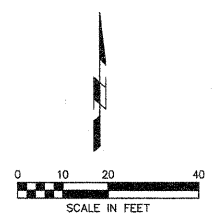
DAVID M. TEPER
 REGISTERED
 No. 062-051804
 STATE OF ILLINOIS
 PROFESSIONAL ENGINEER
 Signature: *David M. Teper*
 SIGNATURE
 11/30/2009
 EXPIRATION DATE
 10-25-09
 DATE

CITY OF MOLINE
 DEPARTMENT OF PUBLIC WORKS - ENGINEERING DIVISION
 3635 4TH AVENUE, MOLINE, IL 61265
 (309) 797-0700
 CITY ENGINEER - SCOTT HINTON, P.E.

**5TH AVENUE
 ELECTRICAL PLAN**

Date	Revision

Date	Sheet
09-30-09	30 of 50
Scale 1" = 20'	
MFT PROJ. # 09-00242-00RP	DESIGNER DFW



- LEGEND**
- LIGHT FIXTURE - TYPE D
 - LIGHT FIXTURE - TYPE B
 - ⊙ LIGHT FIXTURE - TYPE C
 - HANDHOLE
 - JUNCTION BOX
 - UNIT DUCT
 - CONDUIT SLEEVE
 - BUS □ BUS SHELTER CONNECTION JUNCTION BOX.
 - Ⓜ RECEPTACLE (GFI TYPE) WITH WEATHER PROOF COVER

DAVID M. TEEN
 REGISTERED
 No. 062-051804
 STATE OF ILLINOIS
 PROFESSIONAL ENGINEER

David Teen
 SIGNATURE

11/30/2009
 EXPIRATION DATE

10-05-09
 DATE

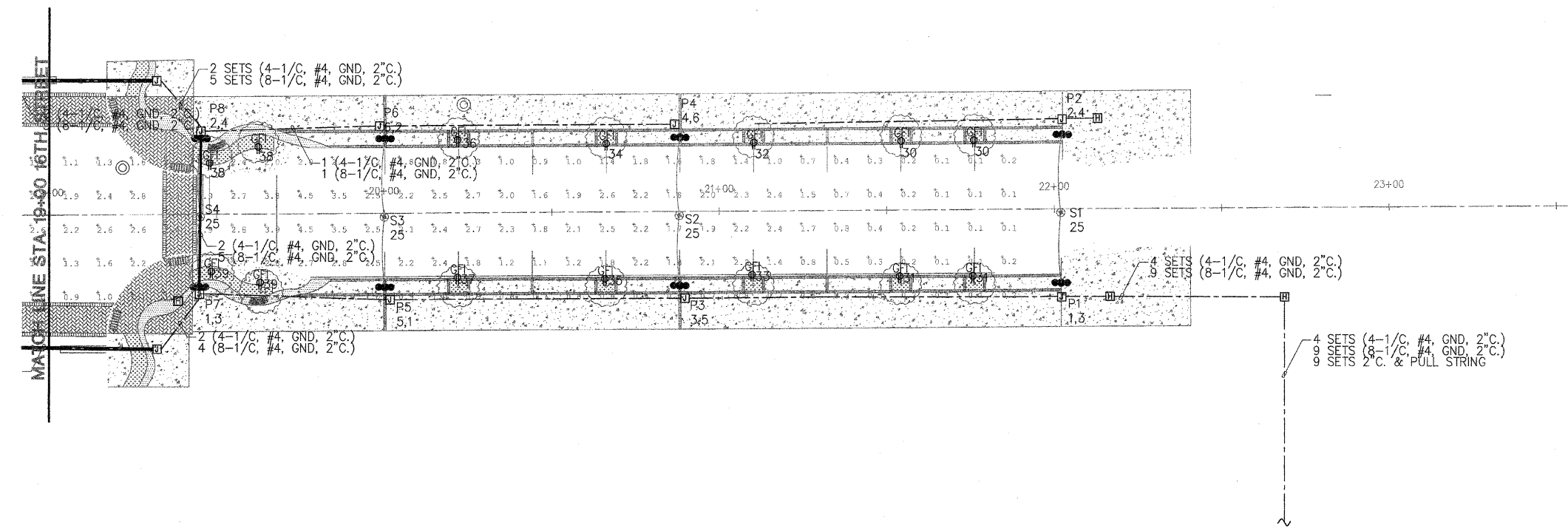
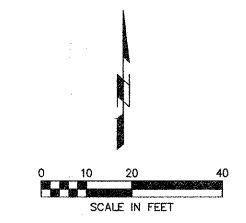
CITY OF MOLINE
 DEPARTMENT OF PUBLIC WORKS - ENGINEERING DIVISION
 3635 4TH AVENUE, MOLINE, IL 61265
 (309) 797-0700

CITY OF MOLINE
 CITY ENGINEER - SCOTT HINTON, P.E.

5TH AVENUE ELECTRICAL PLAN

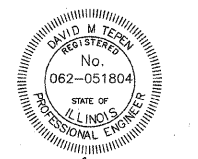
Date	Revision

Date	Sheet
09-30-09	31 of 50
Scale 1" = 20'	
MFT PROJ. # 09-00242-00RP	DESIGNER DFW



LEGEND

- LIGHT FIXTURE - TYPE D
- LIGHT FIXTURE - TYPE B
- LIGHT FIXTURE - TYPE C
- HANDHOLE
- JUNCTION BOX
- UNIT DUCT
- CONDUIT SLEEVE
- RECEPTACLE (GFI TYPE) WITH WEATHER PROOF COVER



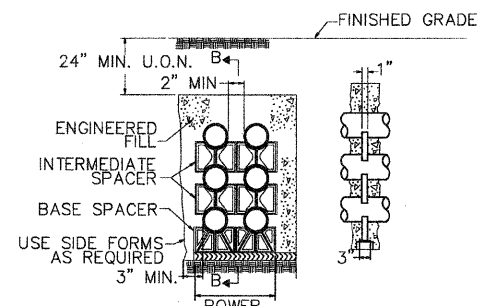
David M. Tereb
 SIGNATURE
 11/30/2009
 EXPIRATION DATE
 10-05-09
 DATE

CITY OF MOLINE
 DEPARTMENT OF PUBLIC WORKS - ENGINEERING DIVISION
 3635 4TH AVENUE, MOLINE, IL 61265
 (309) 797-0700
 CITY ENGINEER - SCOTT HINTON, P.E.

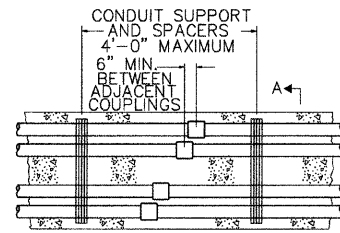
5TH AVENUE
ELECTRICAL PLAN

Date	Revision

Date	Sheet
09-30-09	32 of 50
Scale 1" = 20'	
MFT PROJ. # 09-00242-00RP	DESIGNER DFW



SECTION A-A SECTION B-B

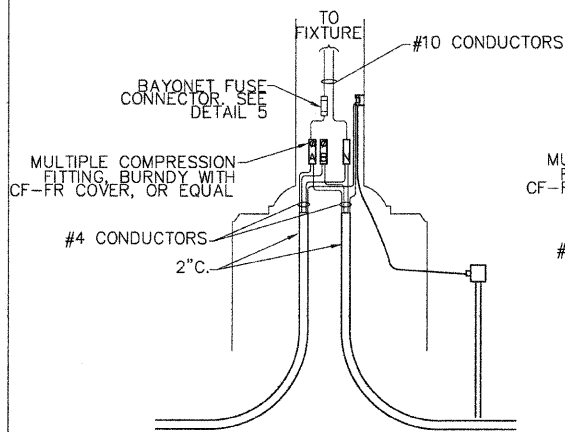


PLAN

NOTES:
 1. SEE PLANS FOR SIZE AND NUMBER OF CONDUITS AND DUCT BANK ARRANGEMENT.

11 TYPICAL DUCTBANK DETAIL

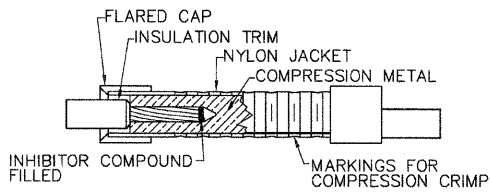
NOT TO SCALE



NOTES:
 1. PROVIDE SUFFICIENT CONDUCTOR SLACK TO PERMIT WITHDRAWAL OF THE CONDUCTOR THROUGH THE HANDHOLE.
 2. PHASE CONNECTIONS AS SHOWN ON ONE LINE DIAGRAM.

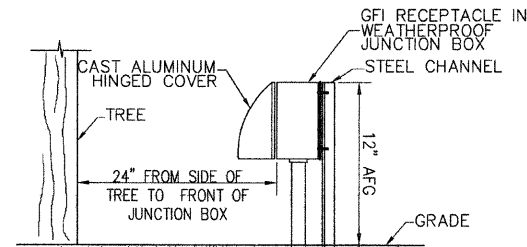
12 SPLICE DETAIL #2

NOT TO SCALE

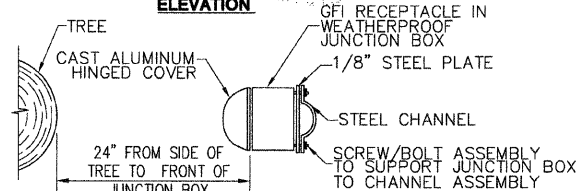


8 INSULATING LINK DETAIL

NOT TO SCALE



ELEVATION

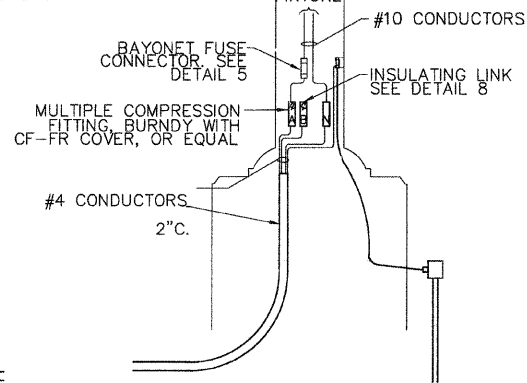


TOP VIEW

NOTES:
 1. STEEL CHANNEL AND PLATE TO BE PRIMED AND PAINTED. COLOR TO BE DETERMINED PRIOR TO PURCHASE OF EQUIPMENT/DEVICES.

9 WEATHERPROOF GFI RECEPT. BASE DETAIL

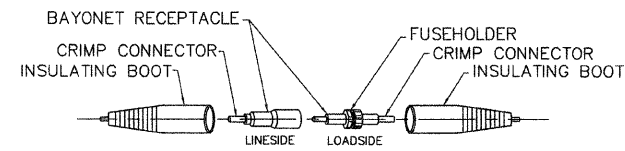
NOT TO SCALE



NOTES:
 1. PROVIDE SUFFICIENT CONDUCTOR SLACK TO PERMIT WITHDRAWAL OF THE CONDUCTOR THROUGH THE HANDHOLE.
 2. PHASE CONNECTIONS AS SHOWN ON ONE LINE DIAGRAM.

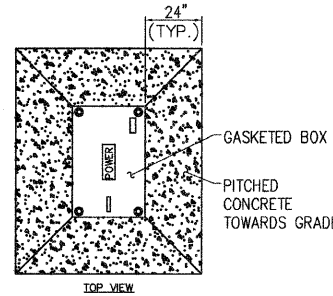
10 SPLICE DETAIL #1

NOT TO SCALE

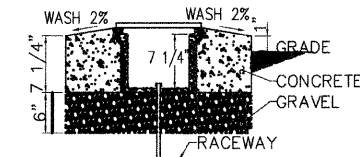


6 BAYONET FUSE CONNECTOR DETAILS

NOT TO SCALE



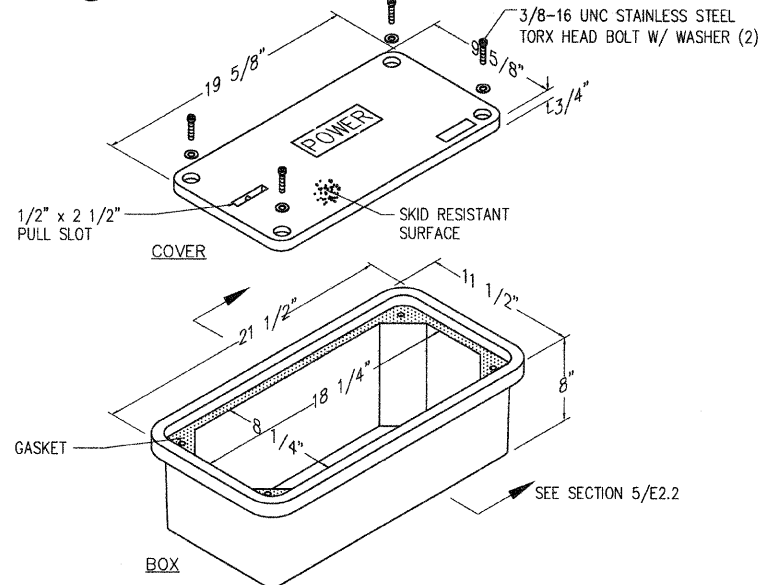
TOP VIEW



NOTE:
 1. CONDUIT STUB INTO BOX MUST BE AT LEAST THREE INCHES INTO BOX SPACE.

6 GASKETED BOX - SECTION DETAIL

NOT TO SCALE



PARTS SCHEDULE		
DESCRIPTION	PART NO.	WEIGHT
COVER W/4 TORX BOLTS	PC0818CG00	11#
BOX W/ NO BASE	PC0818BG08	20#

NOTES:
 1. COVER LOGO TO STATE: POWER
 2. BOX AND COVER TO BE MANUFACTURED BY: HUBBELL/QUAZITE (OR EXACT EQUAL APPROVED BY ENGINEER)

7 8"x18" GASKETED BOX ASSEMBLY DETAIL

NOT TO SCALE

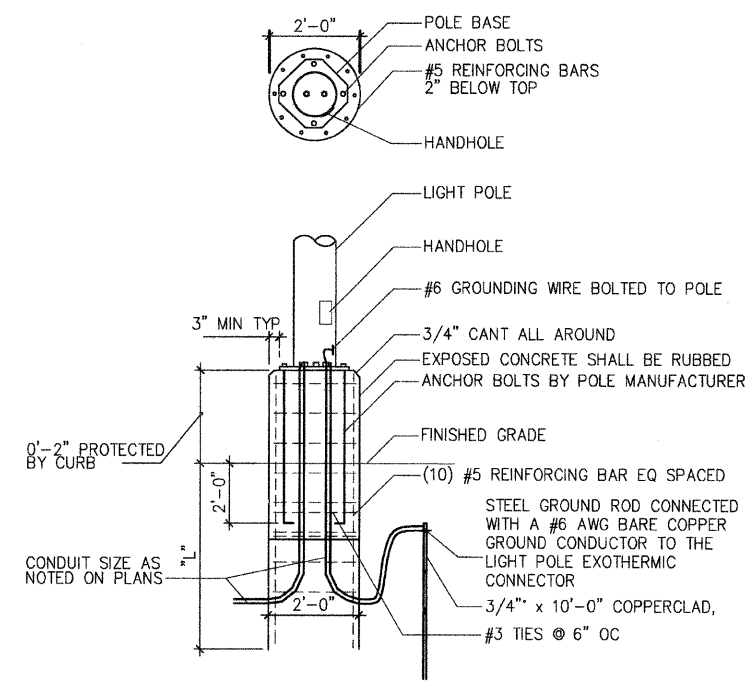


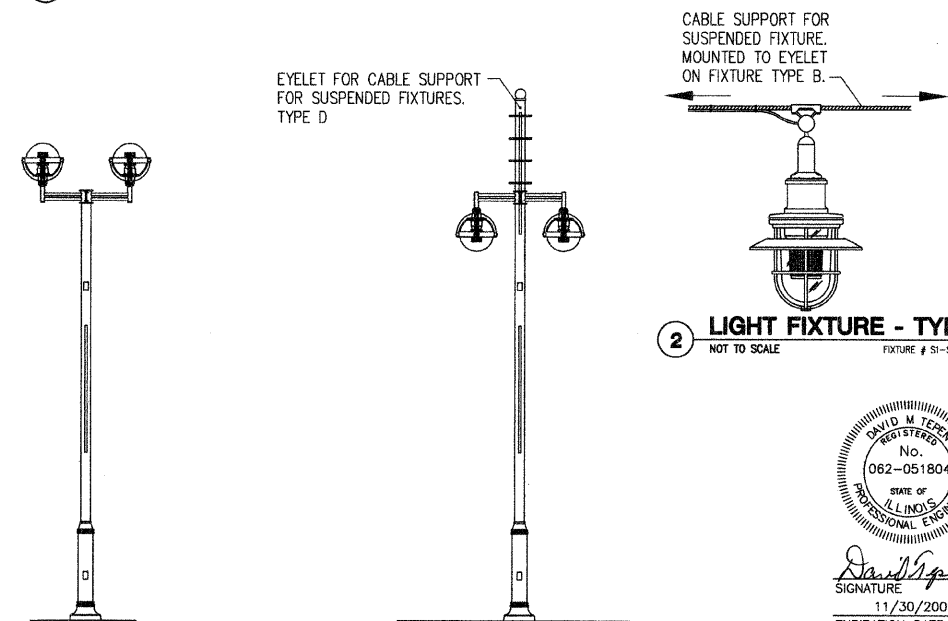
TABLE 1:

POLE HEIGHT	DEPTH "L"
14'	6'-0"
20'	7'-6"

NOTES:
 1. USE 3000 PSI 28 DAY STRENGTH CONCRETE FOR POLE BASE.
 2. PLACE CONCRETE THE SAME DAY BASE IS DRILLED.
 3. VERIFY ANCHOR BOLT LOCATIONS WITH MANUFACTURER'S TEMPLATE PRIOR TO BASE CONSTRUCTION.

1 14' & 20' POLE BASE DETAIL

NOT TO SCALE



2 LIGHT FIXTURE - TYPE D

NOT TO SCALE



Signature: David M. Tern
 11/30/2009
 EXPIRATION DATE
 10-16-09
 DATE

4 LIGHT FIXTURE TYPE C (14' POLE)

NOT TO SCALE

3 LIGHT FIXTURE TYPE B (20' POLE)

NOT TO SCALE

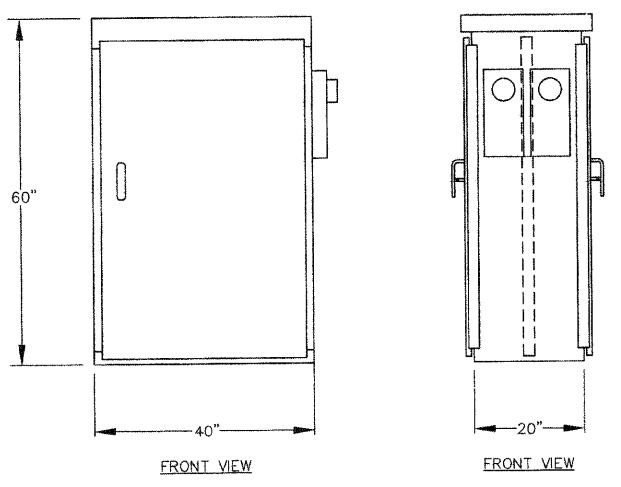
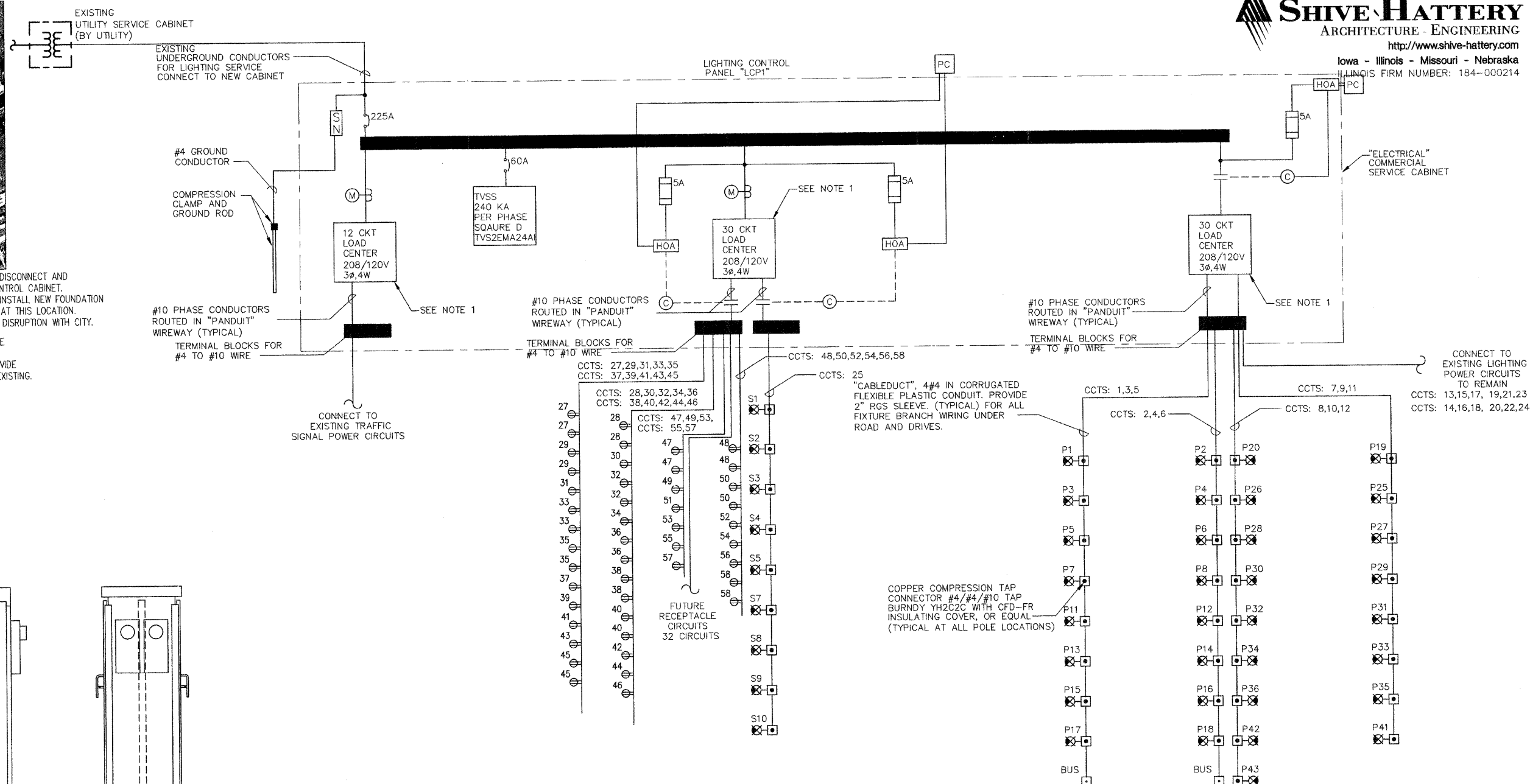


CITY OF MOLINE
 DEPARTMENT OF PUBLIC WORKS - ENGINEERING DIVISION
 3635 4TH AVENUE, MOLINE, IL 61265
 (309) 797-0700
 CITY ENGINEER - SCOTT HINTON, P.E.

**5TH AVENUE
 ELECTRICAL DETAILS**

Date	Revision

Date	09-30-09	Sheet	33 of 50
Scale	NOT TO SCALE		
MFT PROJ. #	09-00242-00RP	DESIGNER	DFW

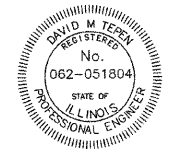


LIGHTING CABINET LC-1 - ELEVATIONS
 NOT TO SCALE

- NOTES**
- EXTERIOR 12GA. 304 STAINLESS STEEL AND INTERIOR 14 GA. COLD ROLLED STEEL ELECTRONICALLY WELDED AND REINFORCED WHERE REQUIRED.
 - CONSTRUCTION SHALL BE NEMA 3R, RAIN-TIGHT.
 - ALL NUTS, BOLTS, SCREWS AND HINGES SHALL BE STAINLESS STEEL AND NOT VISIBLE FROM OUTSIDE ENCLOSURE.
 - PHENOLIC NAMEPLATES SHALL BE PROVIDED AS REQUIRED.
 - CONTROL WIRING SHALL BE MARKED AT BOTH ENDS BY PERMANENT WIRE MARKERS.
 - A PLASTIC COVERED WIRING DIAGRAM SHALL BE ATTACHED TO THE INSIDE OF THE FRONT DOOR.
 - UL LISTED INDUSTRIAL CONTROL PANEL, FROM EXCEL LIMITED, TESCO CONTROLS, MILBANK MANUFACTURING OR ENGINEER APPROVED EQUAL.

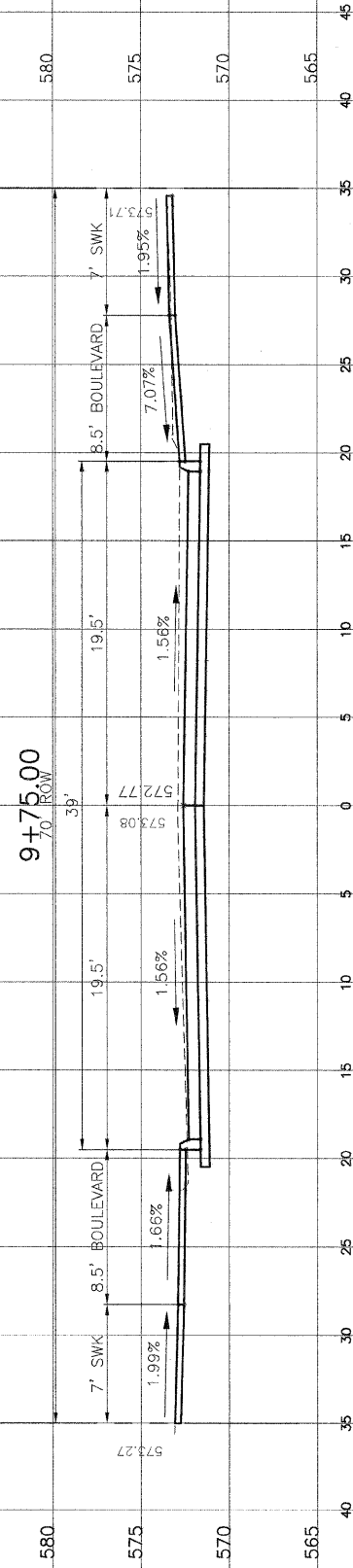
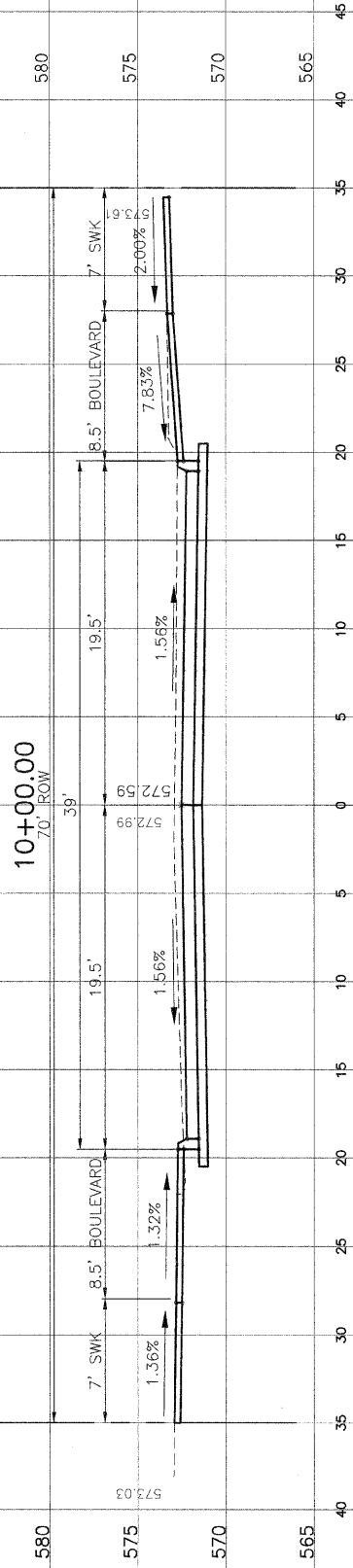
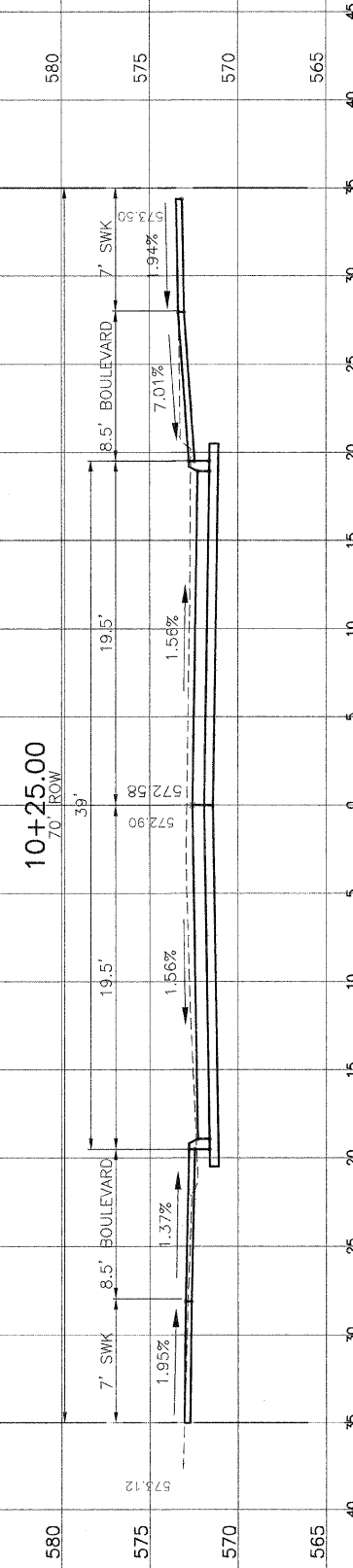
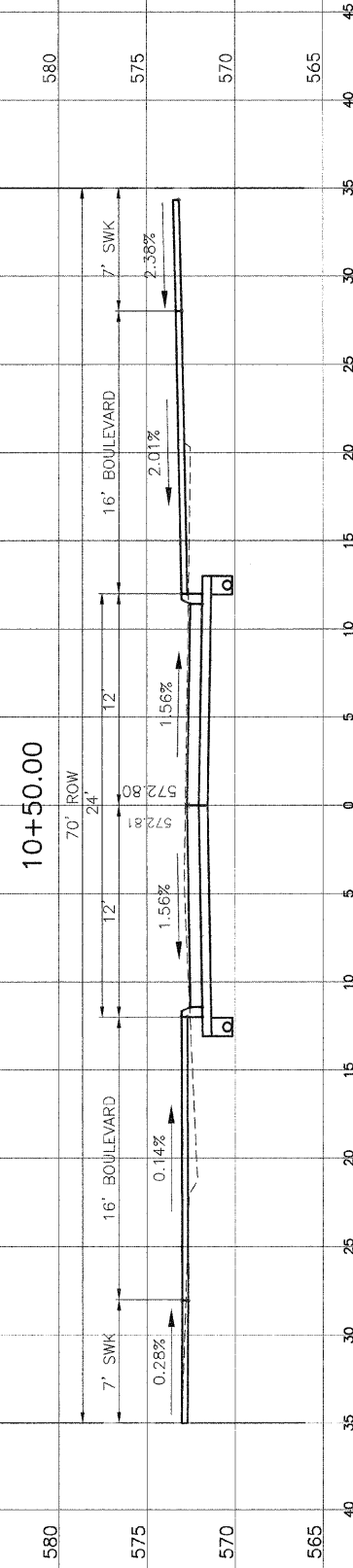
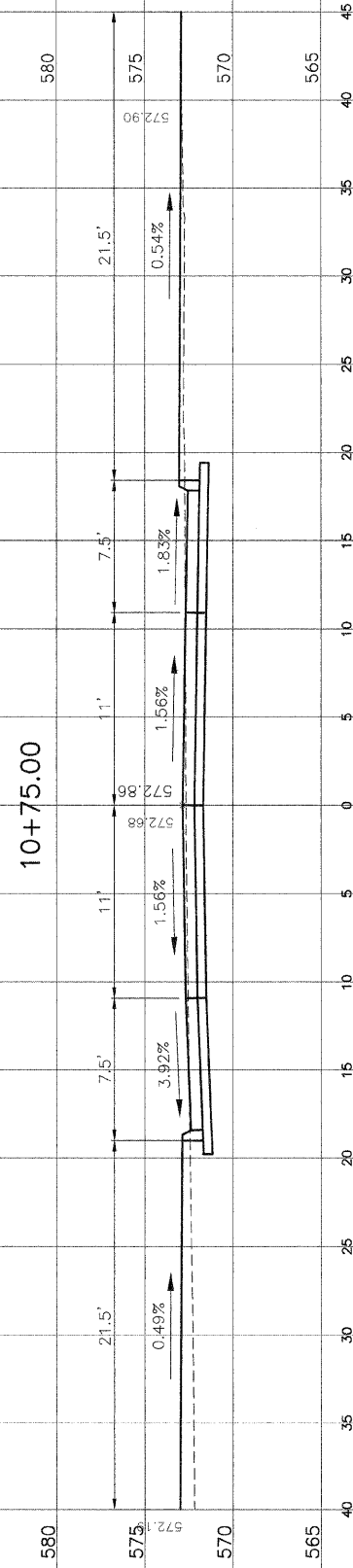
- NOTES**
- SEE ELECTRICAL SERVICE LIGHTING CONTROL CABINET 'LC-1' DETAIL, THIS DRAWING.
 - PANEL TO BE INSTALLED IN OVERALL ENCLOSURE AS SHOWN.
 - PROPOSED LOADING 10KVA LIGHTING, 32 KVA RECEPTACLE, 200A PANEL

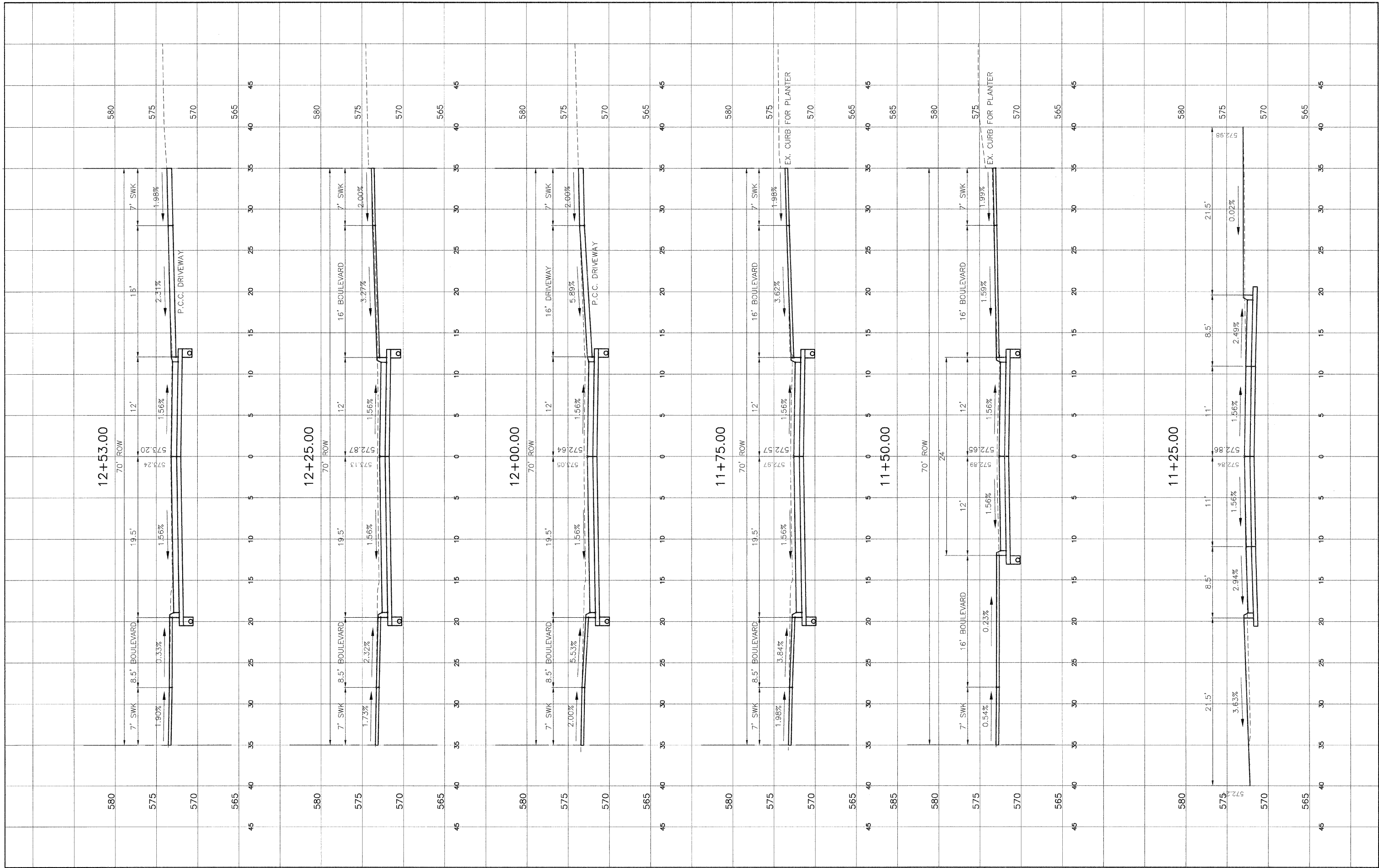
INSTALLATION ONE LINE DIAGRAM-LC-1
 NOT TO SCALE

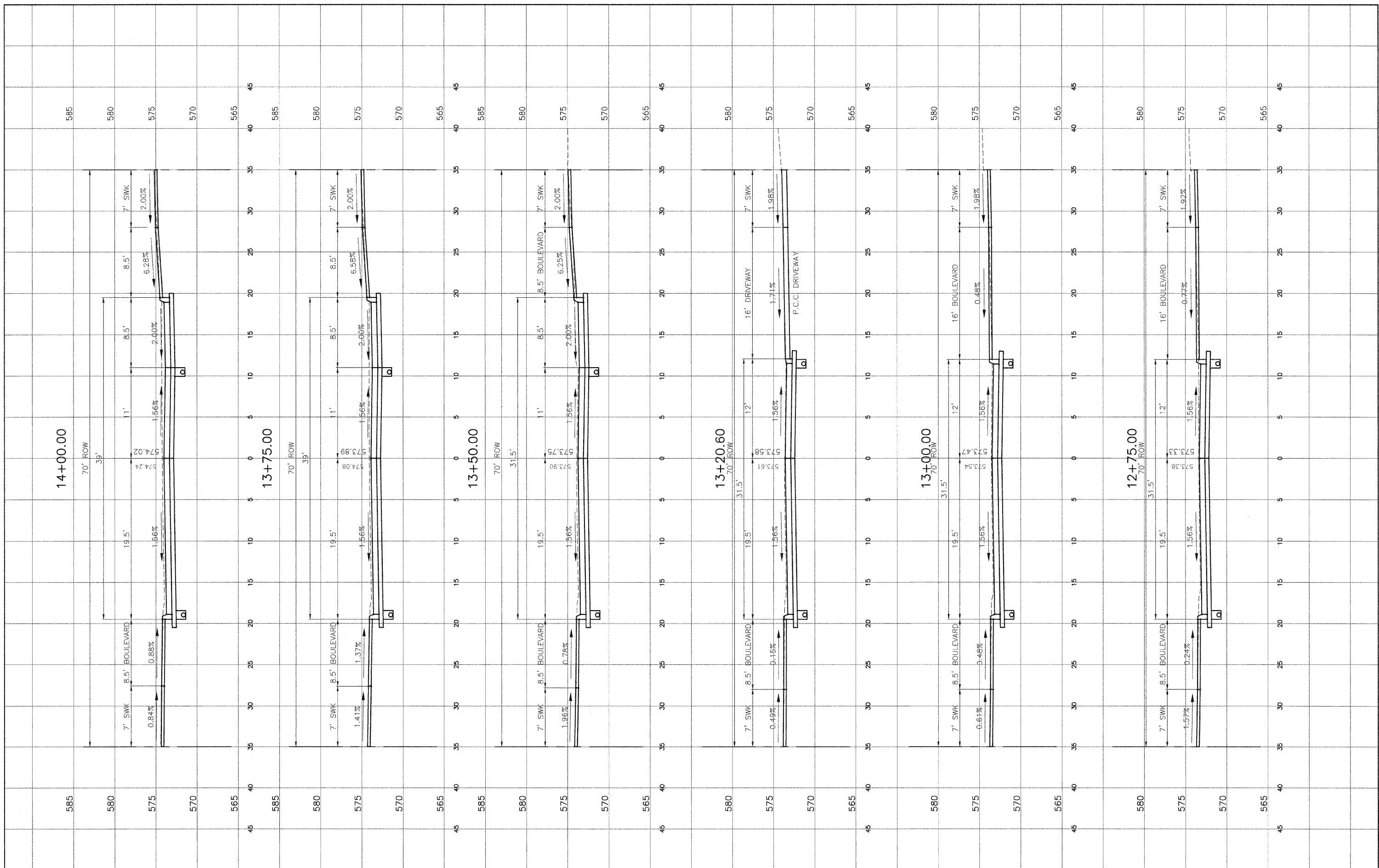


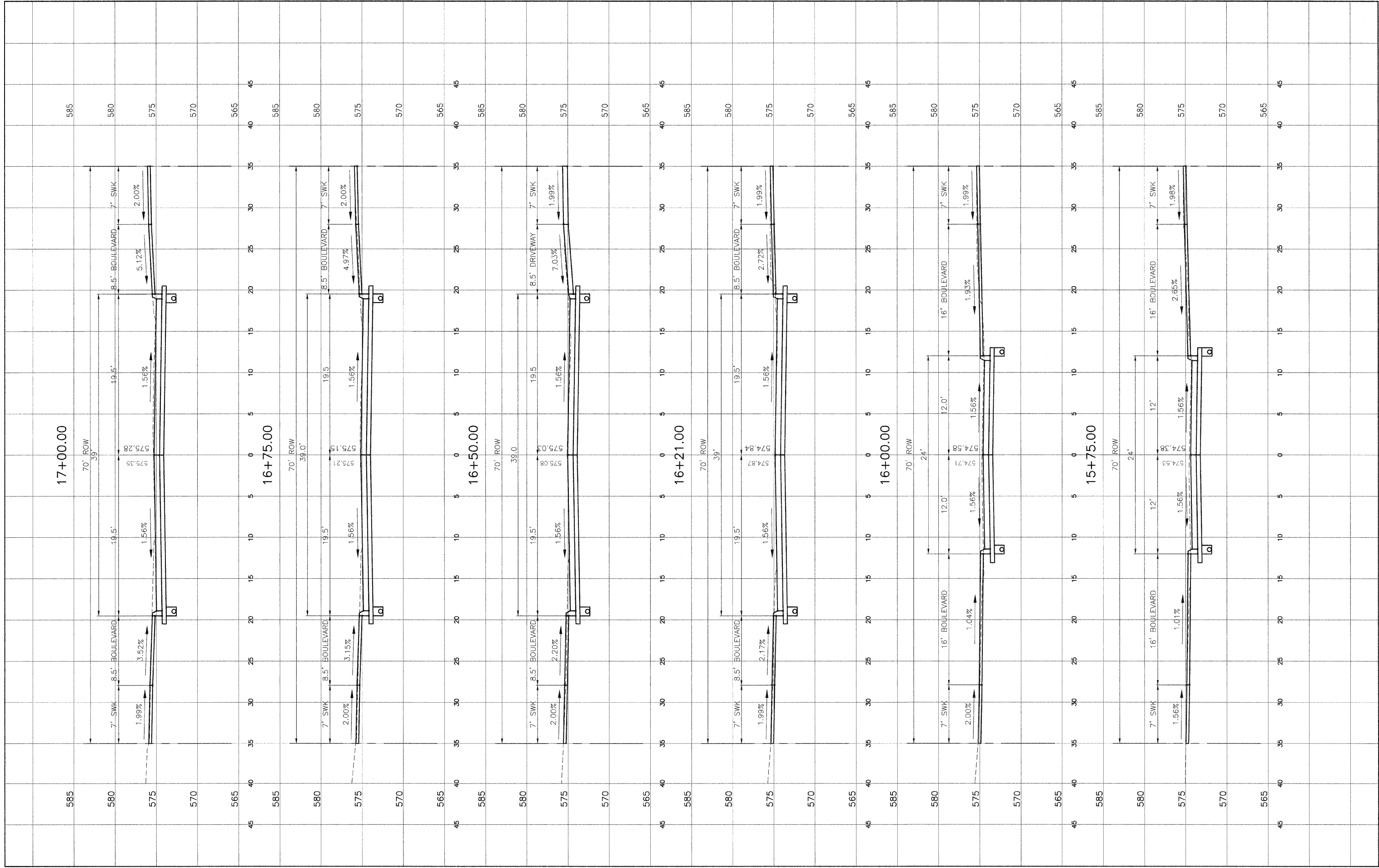
David M. Tepel
 SIGNATURE
 11/30/2009
 EXPIRATION DATE
 10-02-09
 DATE

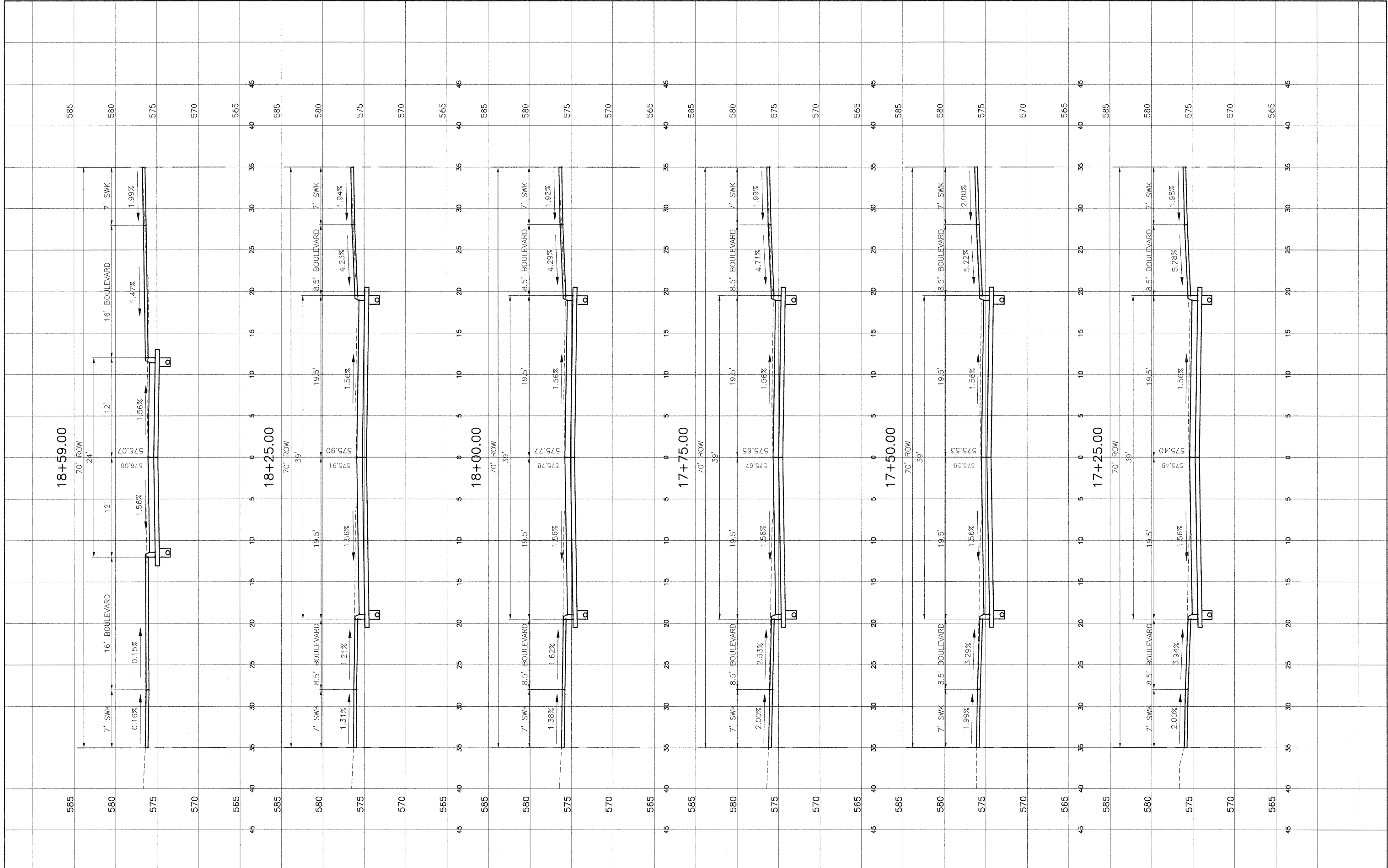
SEE SHEET 13, 14TH STREET PROFILE FOR STA. 10+99.6

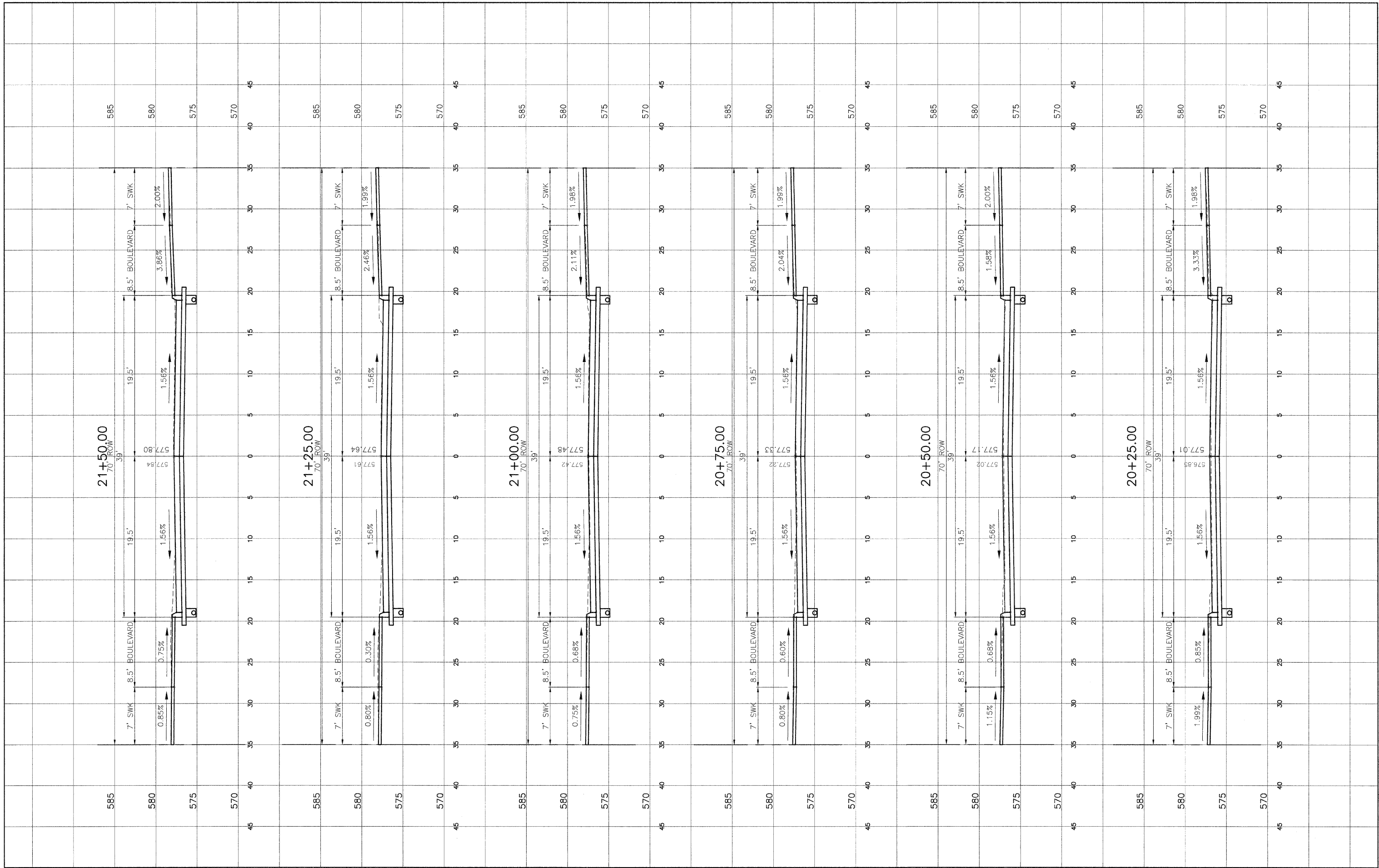


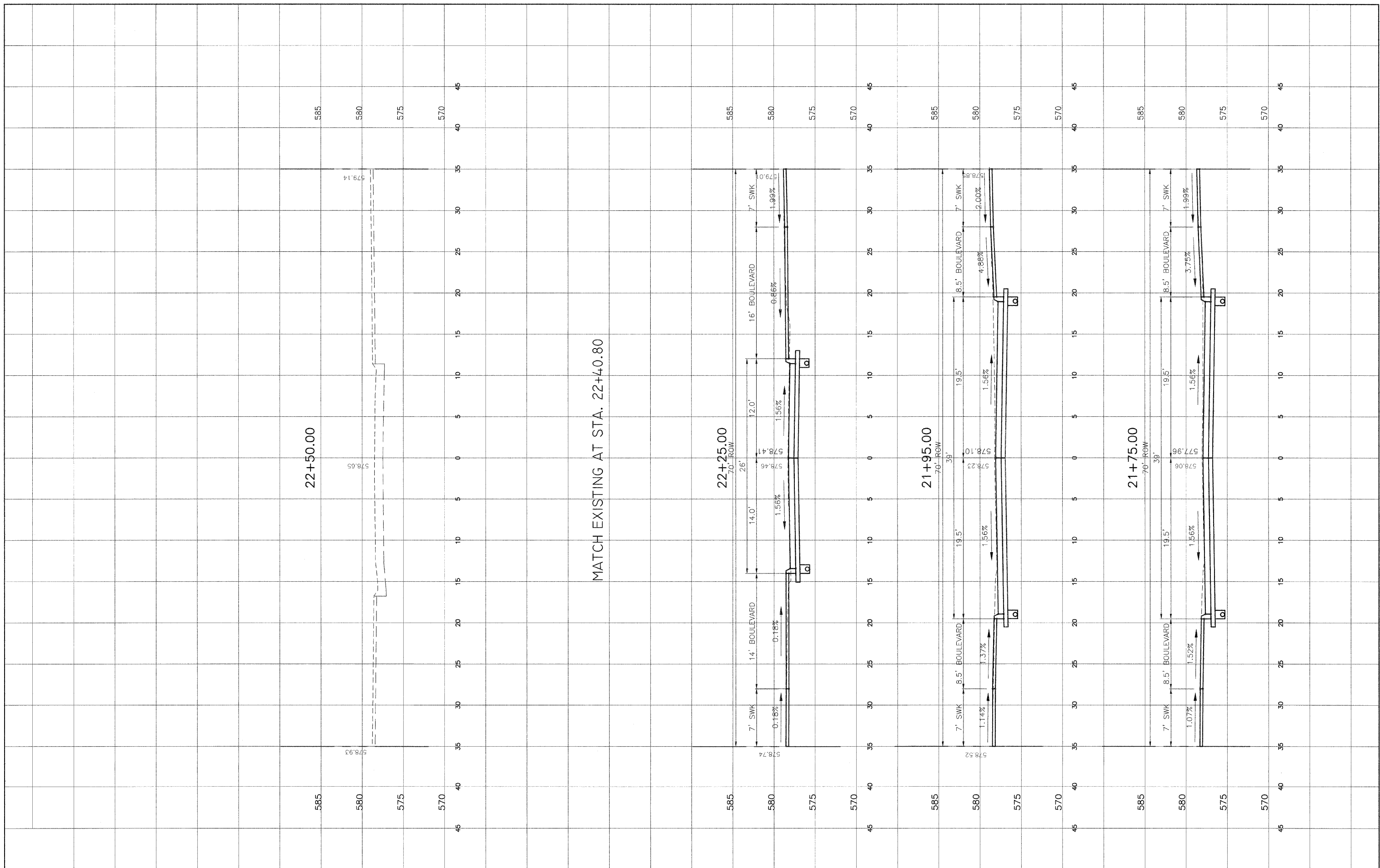


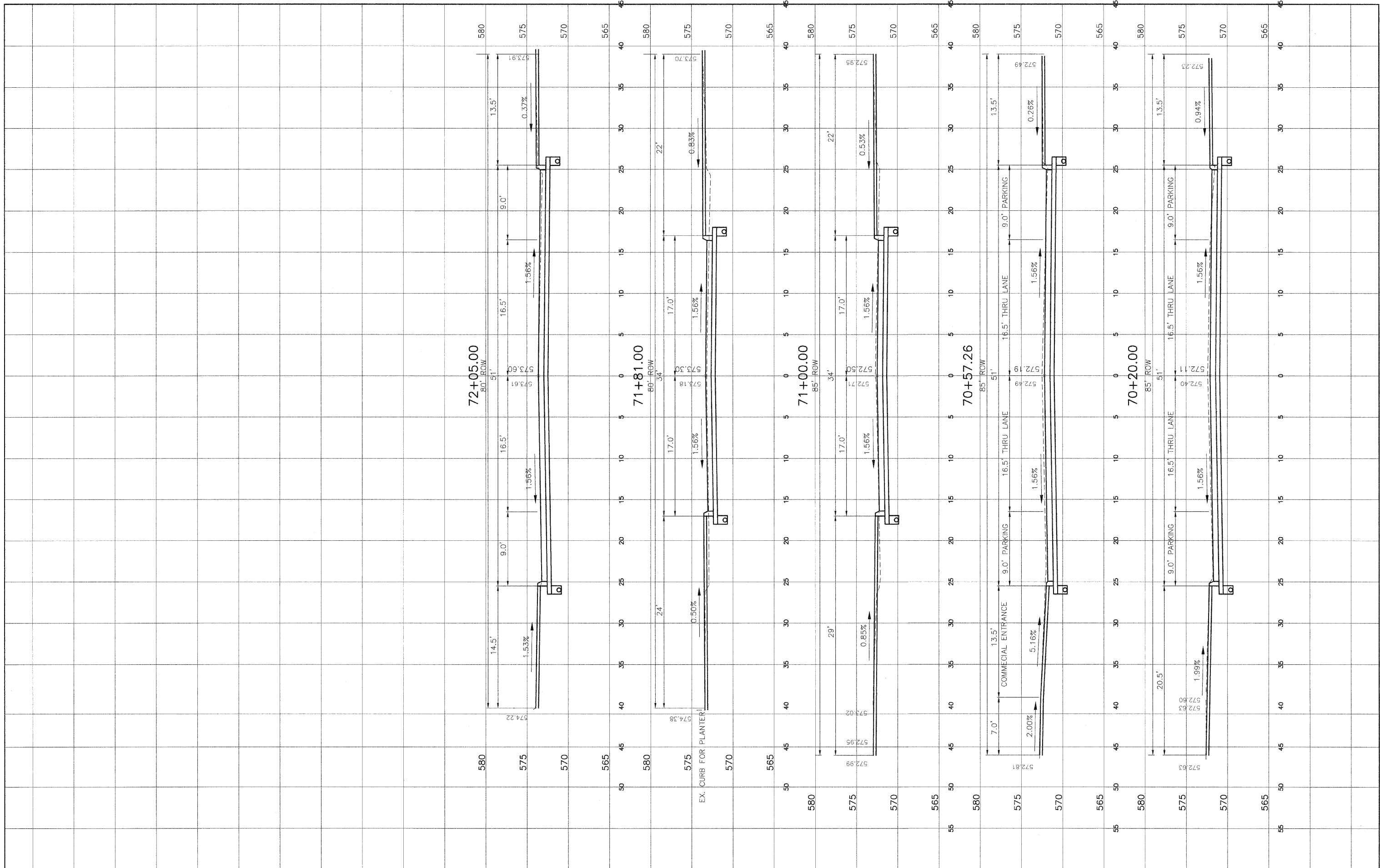




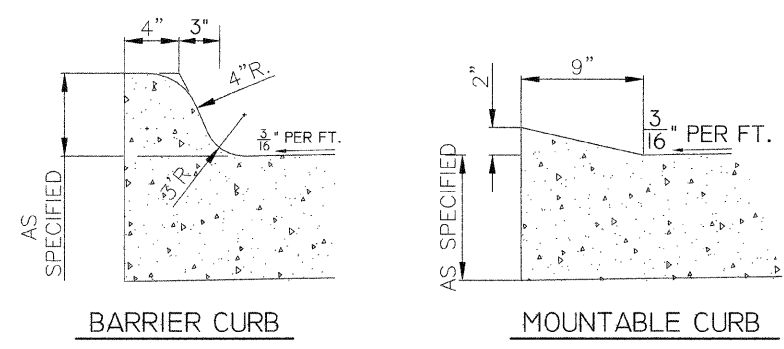




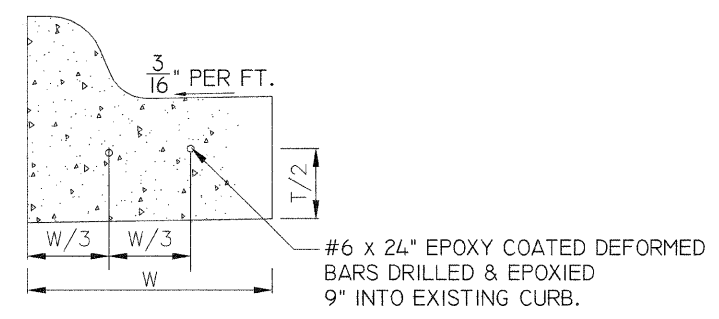




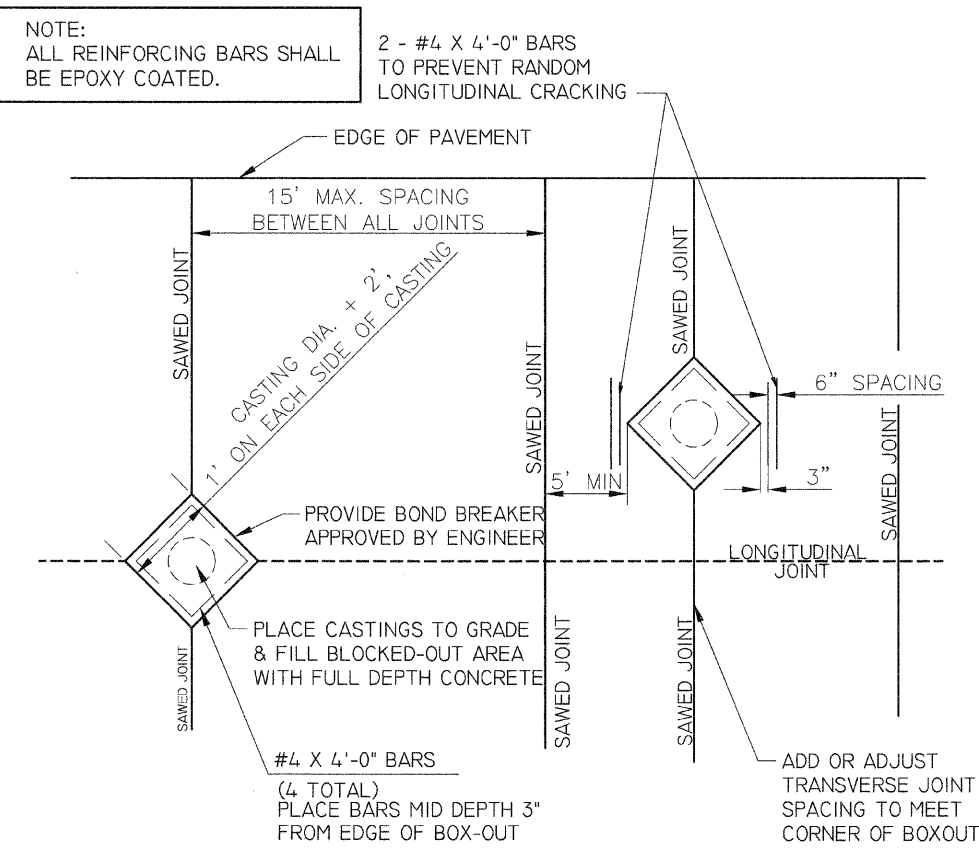
F.A.U. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5763	09-00242-00-RP	ROCK ISLAND	50	46



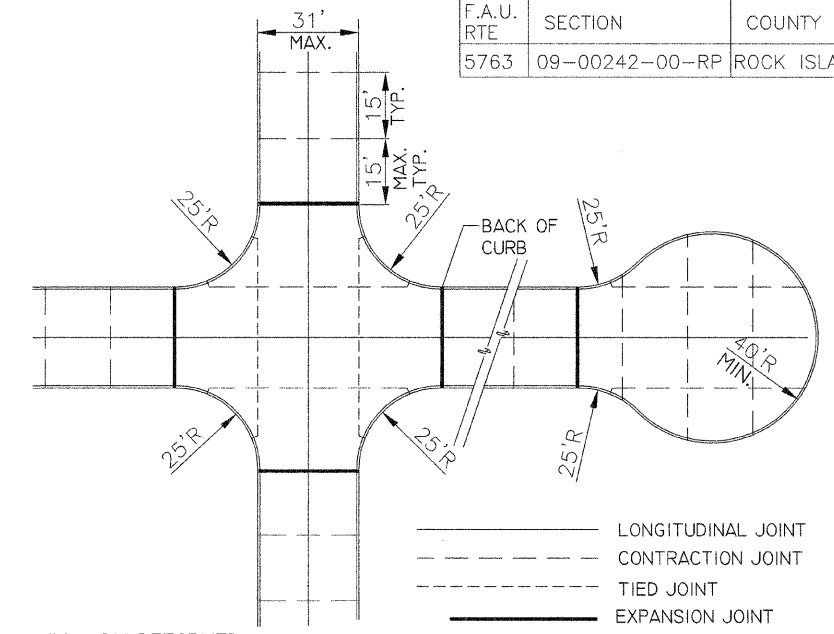
NOTE:
ALL HONEYCOMBED AND OR POROUS AREAS IN BACK OF CURB WILL BE CORRECTED AS DIRECTED BY THE ENGINEER.



	INTEGRAL CURB DETAIL	
	DATE 12/05	CITY OF MOLINE STANDARD #2

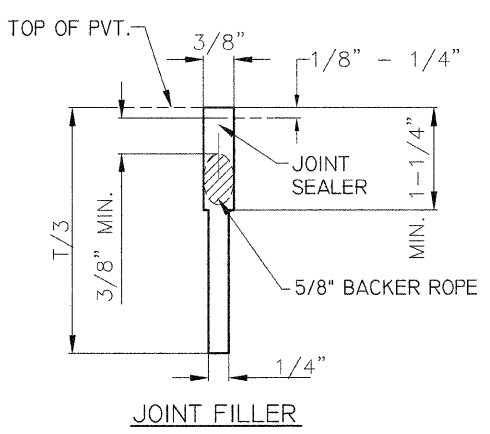


MANHOLE BOX OUT DETAIL	
DATE 1/07	CITY OF MOLINE STANDARD #3

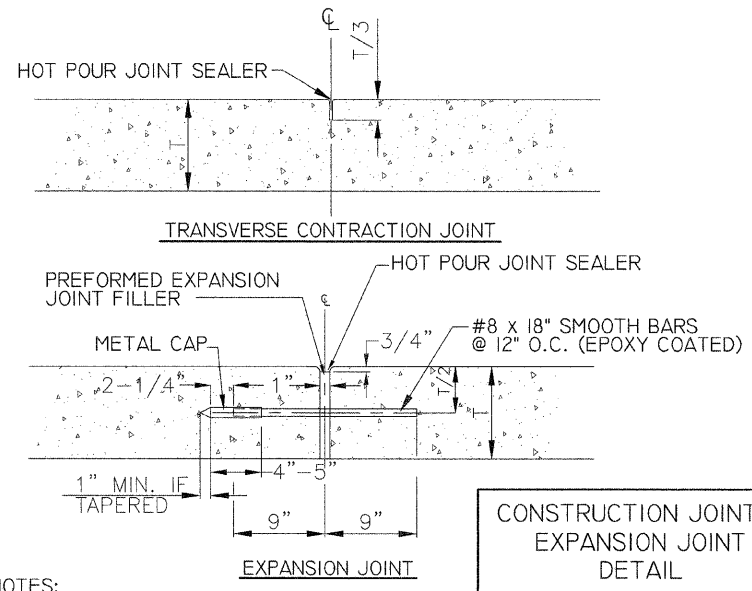


JOINT TYPE & LAYOUT DETAIL		
DATE 2/05	CITY OF MOLINE STANDARD	#4

NOTE:
ADDITIONAL EXPANSION JOINTS TO BE PLACED AT MAX. 400' SPACING, INCIDENTAL TO PAVEMENT CONSTRUCTION.
ALL REINFORCING BARS SHALL BE EPOXY COATED.

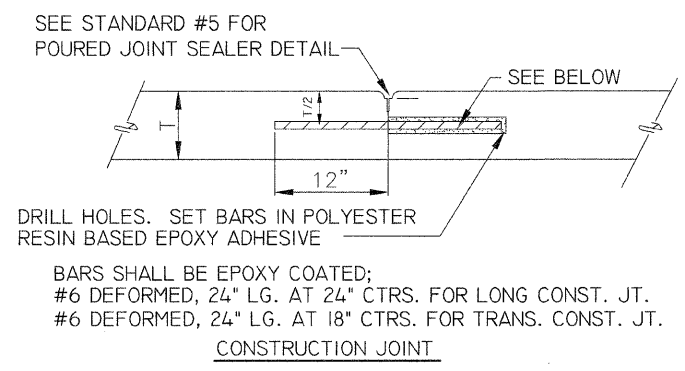


- AFTER SAWING, FLUSH JOINT WITH WATER OR AIR.
- CLEAN BY SAND BLASTING UNTIL SURFACES ARE FREE OF SAWCUTTING FINES
- JUST PRIOR TO INSTALLATION OF BACKER ROPE, BLOW WITH OIL AND WATER FREE COMPRESSED AIR TO ELIMINATE SAND AND WATER.

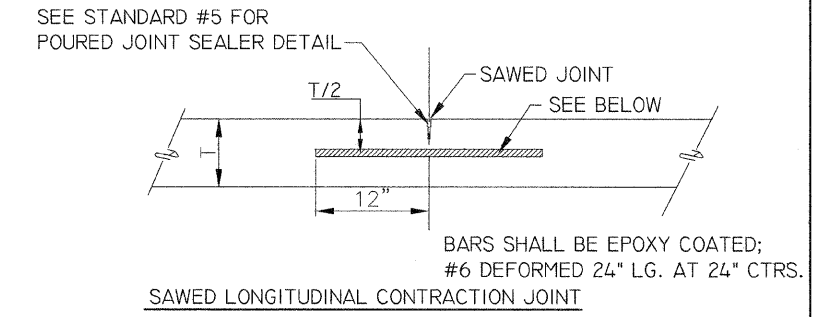


NOTES:
HOLES SHALL BE DRILLED IN PREFORMED EXPANSION JOINT FILLER.
NO SLOTS OR GAPS WILL BE ALLOWED.
DOWEL BARS SHALL BE GREASED TO THE SATISFACTION OF THE ENGINEER.

CONSTRUCTION JOINT & EXPANSION JOINT DETAIL	
DATE 12/05	CITY OF MOLINE STANDARD #5



BARS SHALL BE EPOXY COATED;
#6 DEFORMED, 24" LG. AT 24" CTRS. FOR LONG CONST. JT.
#6 DEFORMED, 24" LG. AT 18" CTRS. FOR TRANS. CONST. JT.



LONGITUDINAL JOINT & TRANSVERSE JOINT DETAIL	
DATE 12/05	CITY OF MOLINE STANDARD #6

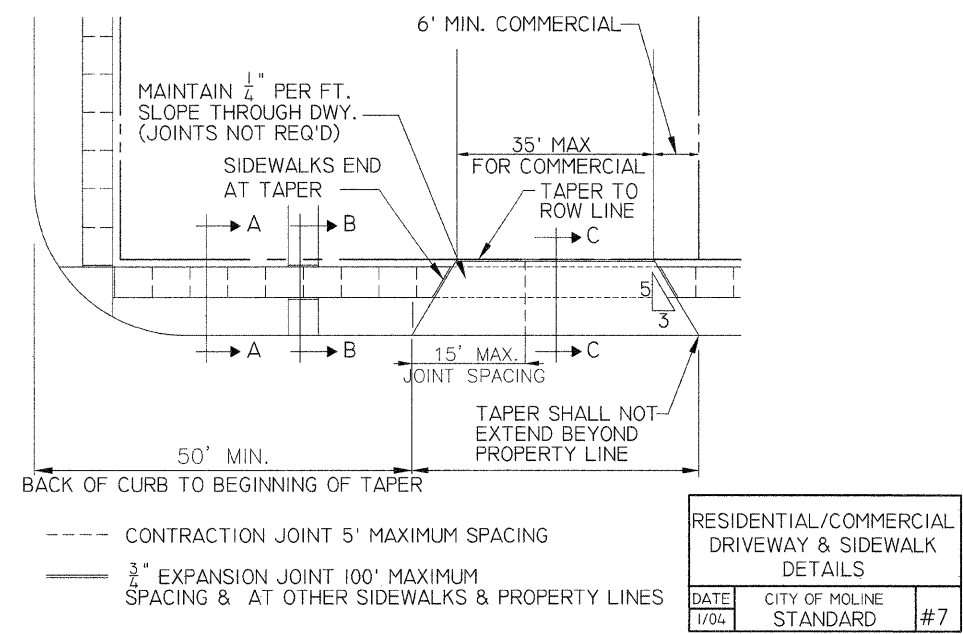
CITY OF MOLINE
 DEPARTMENT OF PUBLIC WORKS - ENGINEERING DIVISION
 3635 4TH AVENUE, MOLINE, IL 61265
 (309) 797-0700
 CITY ENGINEER - SCOTT HINTON, P.E.

5TH AVENUE
 14TH TO 17TH STREET
 MOLINE DETAILS

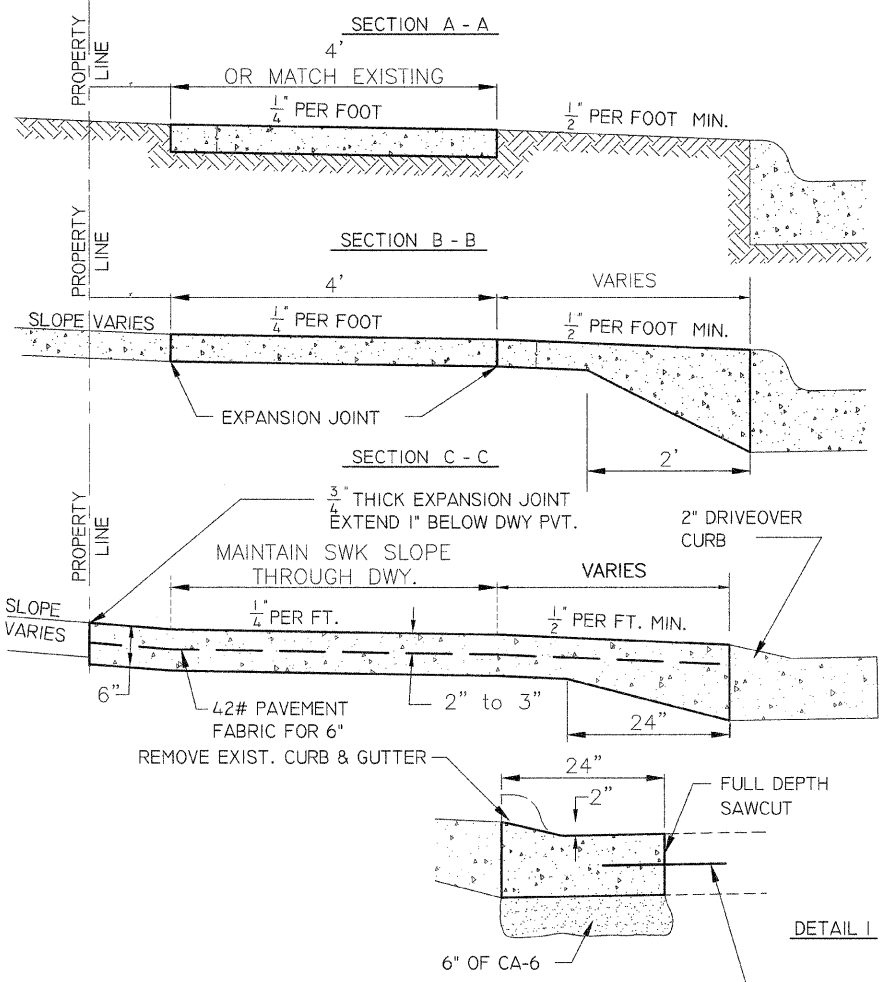
Date	Revision
9/25/09	PER IDOT COMMENTS
8/14/09	PER IDOT COMMENTS

Date	5-15-09	Sheet	46 OF 50
Scale	NTS	DESIGNER	MEF
MTY PROJ. #	09-00242-00-RP		

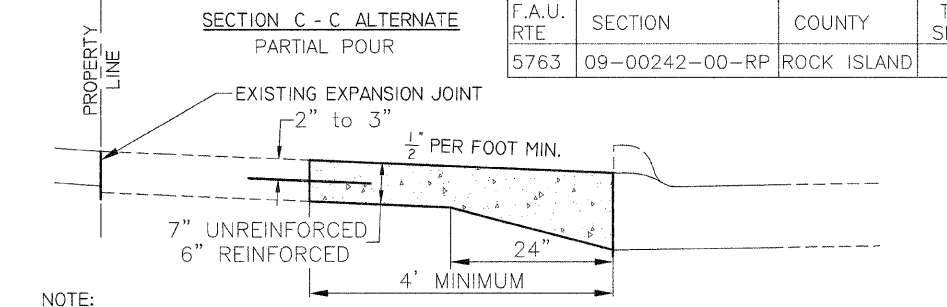
F.A.U. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5763	09-00242-00-RP	ROCK ISLAND	50	47



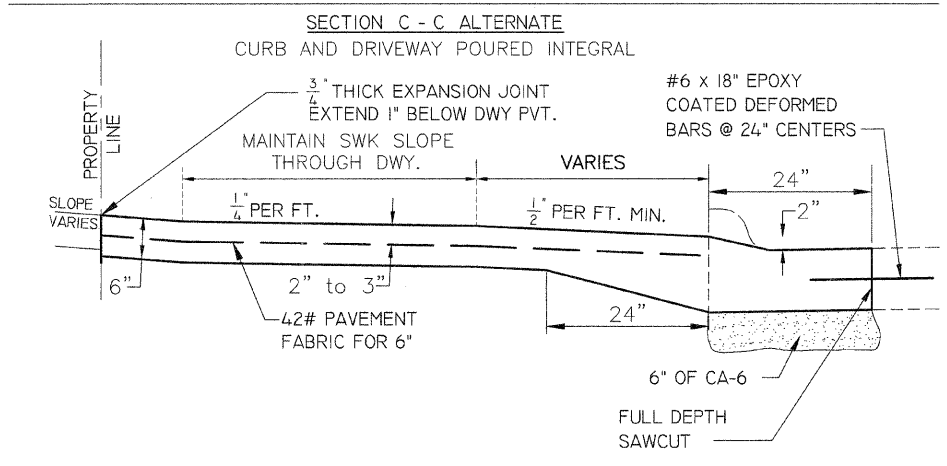
RESIDENTIAL/COMMERCIAL DRIVEWAY & SIDEWALK DETAILS		
DATE	CITY OF MOLINE STANDARD	#7
1/04		



NOTE:
 NO MORE THAN ONE DRIVEWAY PER LOT
 ALL JOINTS AT BACK OF CURB SHALL BE SEALED WITH APPROVED POURED JOINT SEALER.
 DRIVEWAY PAVEMENT SHALL BE 6" REINFORCED OR 7" PLAIN CEMENT CONCRETE.
 WHERE THE STREET PAVEMENT HAS 4" DRIVEOVER CURB, THE CURB MAY REMAIN INTACT. NO MATERIAL WILL BE ALLOWED TO BE PLACED IN THE GUTTER.
 BARS TO BE 18" LONG, DRILLED AND EPOXYED 9" INTO EXISTING PAVEMENT.
 #6 X 18" EPOXY COATED DEFORMED BARS @ 24" O.C.
 WHERE THE STREET PAVEMENT HAS 6" CURB, THE CURB SHALL BE REMOVED & REPLACED AS SHOWN IN DETAIL I OR C-C ALT. CURB MAY BE CUT OFF WITH A SAW DESIGNED FOR THIS APPLICATION.
 REINFORCING SHALL BE MESH WEIGHING 42 LBS. PER 100 SQUARE FEET.

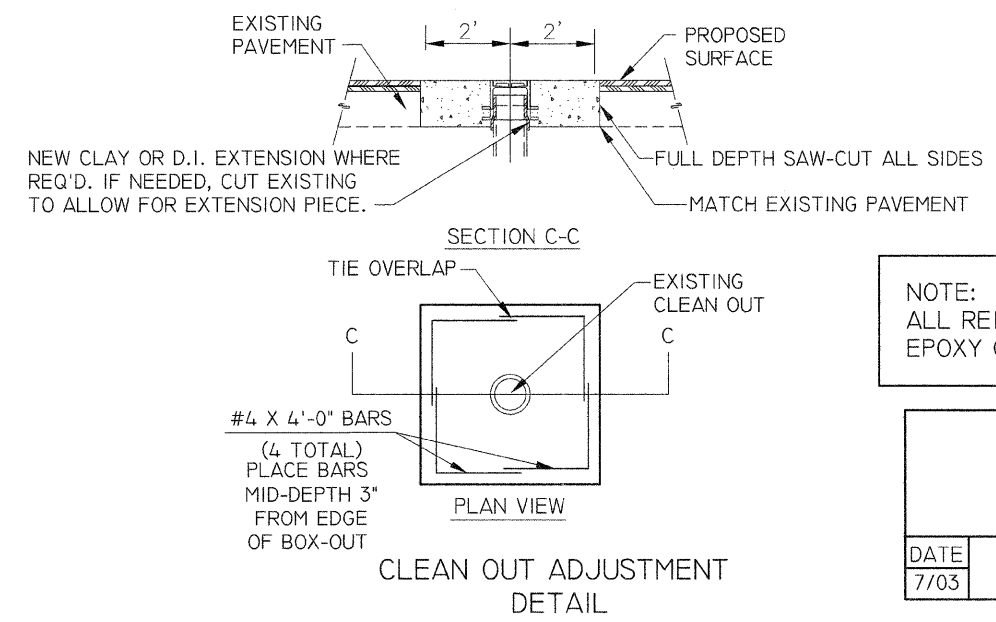
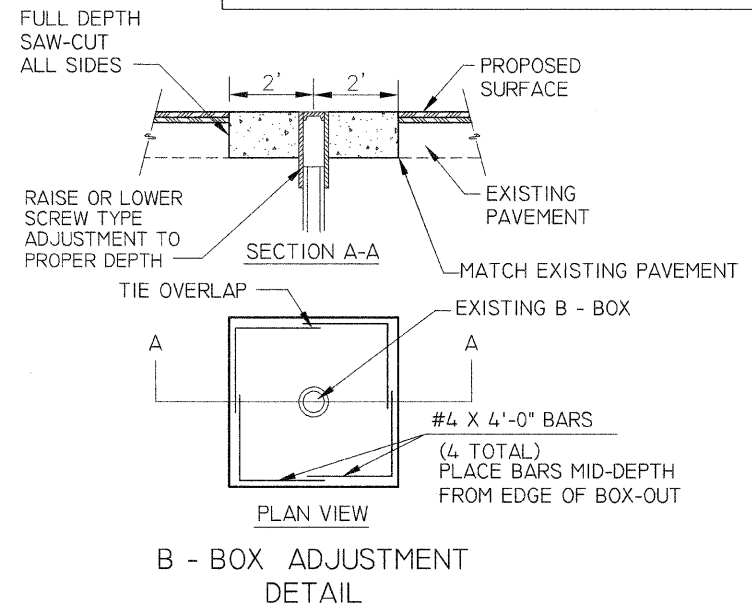
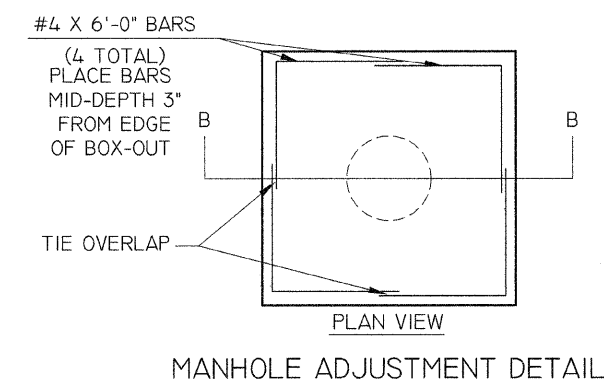
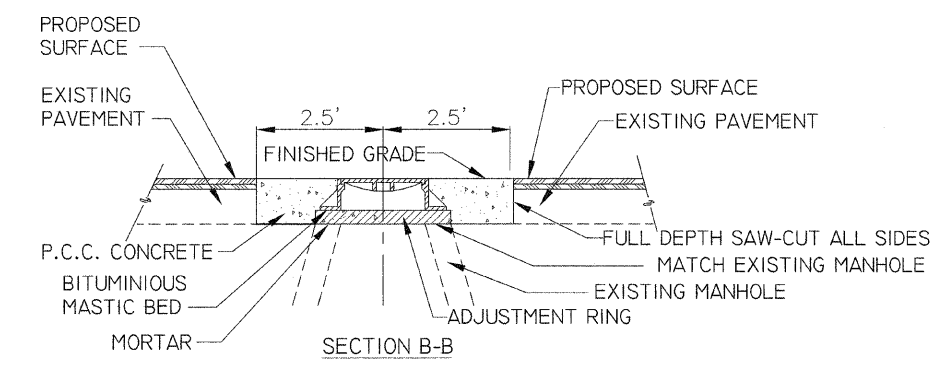


NOTE:
 #4 X 18" EPOXY COATED DEFORMED BARS @ 12" CENTERS.
 NO EXPANSION JOINT IS REQUIRED.



WHERE THE STREET PAVEMENT HAS 4" DRIVEOVER CURB, THE CURB MAY REMAIN INTACT. NO MATERIAL WILL BE ALLOWED TO BE PLACED IN THE GUTTER.
 BARS TO BE 18" LONG, DRILLED AND EPOXYED 9" INTO EXISTING PAVEMENT.

TYPICAL BOULEVARD SECTIONS DETAIL		
DATE	CITY OF MOLINE STANDARD	#7A
2/05		



NOTE:
 ALL REINFORCING BARS SHALL EPOXY COATED

TYPICAL ADJUSTMENT DETAIL		
DATE	CITY OF MOLINE STANDARD	#9
7/03		

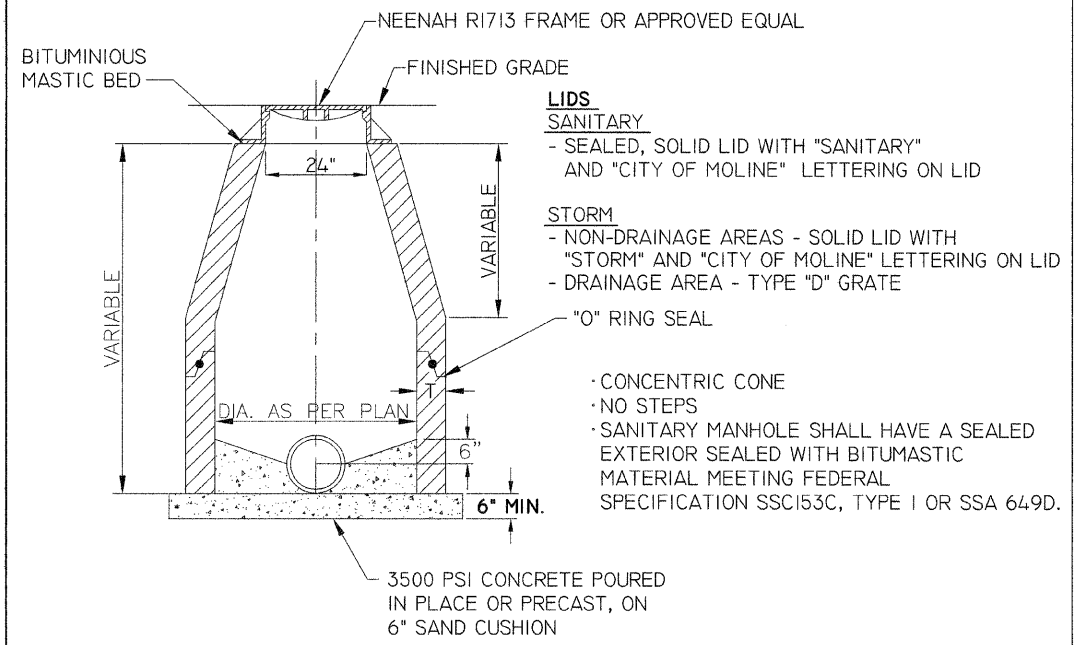
CITY OF MOLINE
 DEPARTMENT OF PUBLIC WORKS - ENGINEERING DIVISION
 3635 4TH AVENUE, MOLINE, IL 61265
 (309) 797-0700
 CITY ENGINEER - SCOTT HINTON, P.E.

5TH AVENUE
 14TH TO 17TH STREET
 MOLINE DETAILS

Date	Revision
9/25/09	PER IDOT COMMENTS
8/14/09	PER IDOT COMMENTS

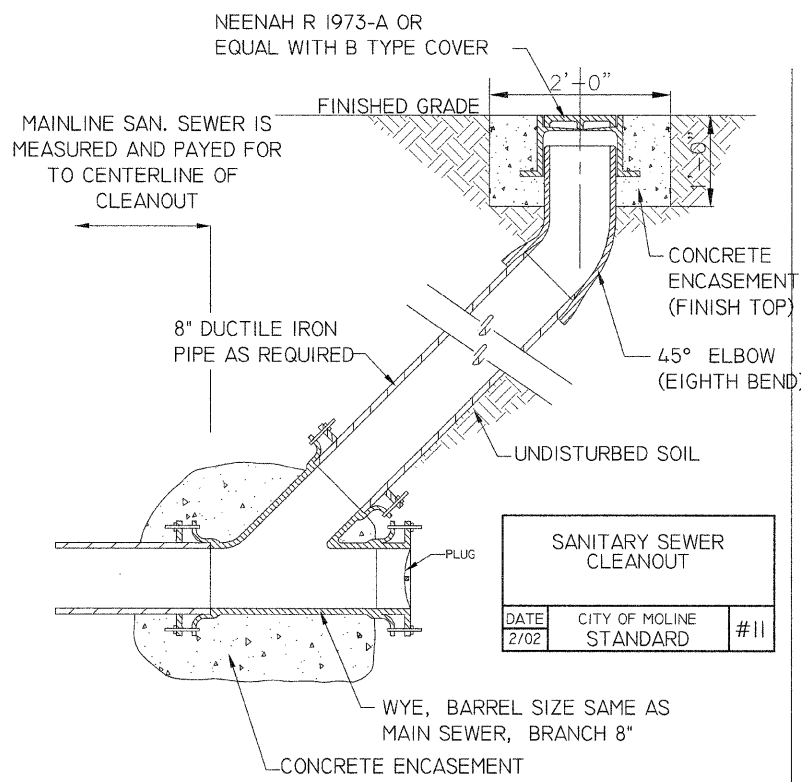
Date	Sheet
5-15-09	47 OF 50
Scale	NTS
MTT PROJ. #	DESIGNER
09-00242-00-RP	MEF

F.A.U. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5763	09-00242-00-RP	ROCK ISLAND	50	48

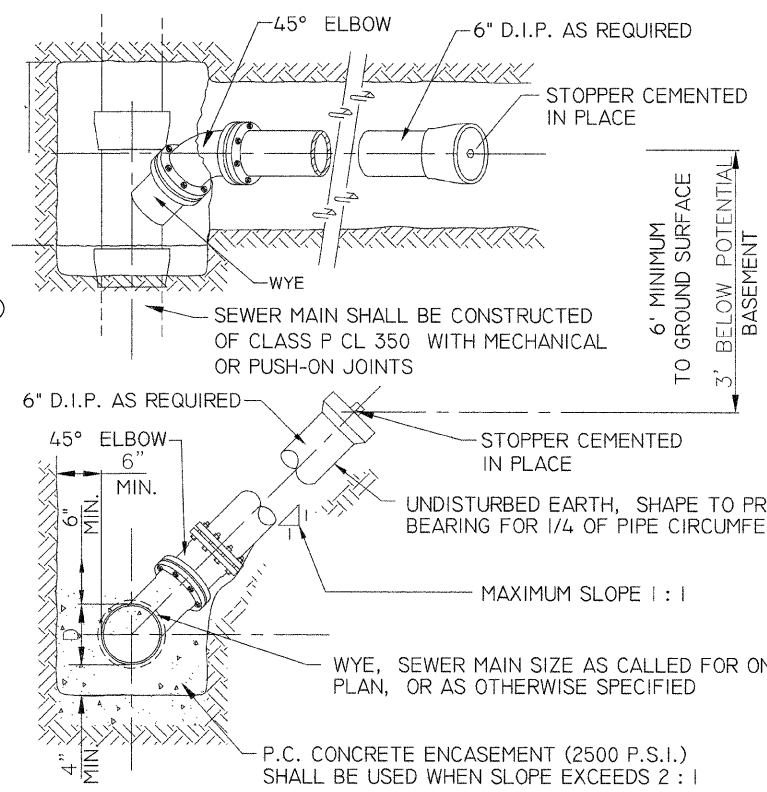


TYPICAL MANHOLE DETAIL		
DATE	CITY OF MOLINE STANDARD	#10
9/09		

MATERIAL WALL THICKNESS (T)
 PRE-CAST CONC. - MIN. 1/12 "D"
 CAST-IN-PLACE CONC. MIN. 6"



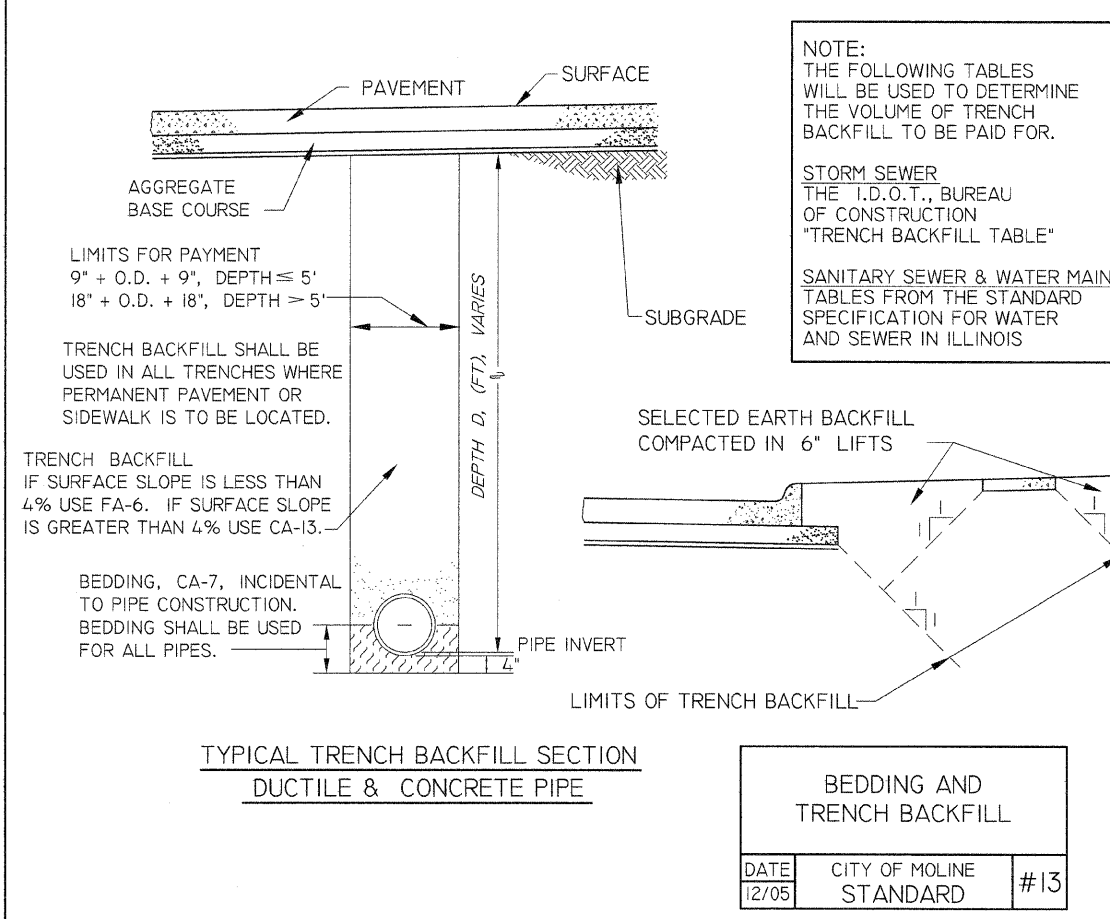
SANITARY SEWER CLEANOUT		
DATE	CITY OF MOLINE STANDARD	#11
2/02		



NOTE:
 RISERS TO BE CONSTRUCTED WHERE SEWER DEPTH EXCEEDS 6' BELOW POTENTIAL BASEMENT.

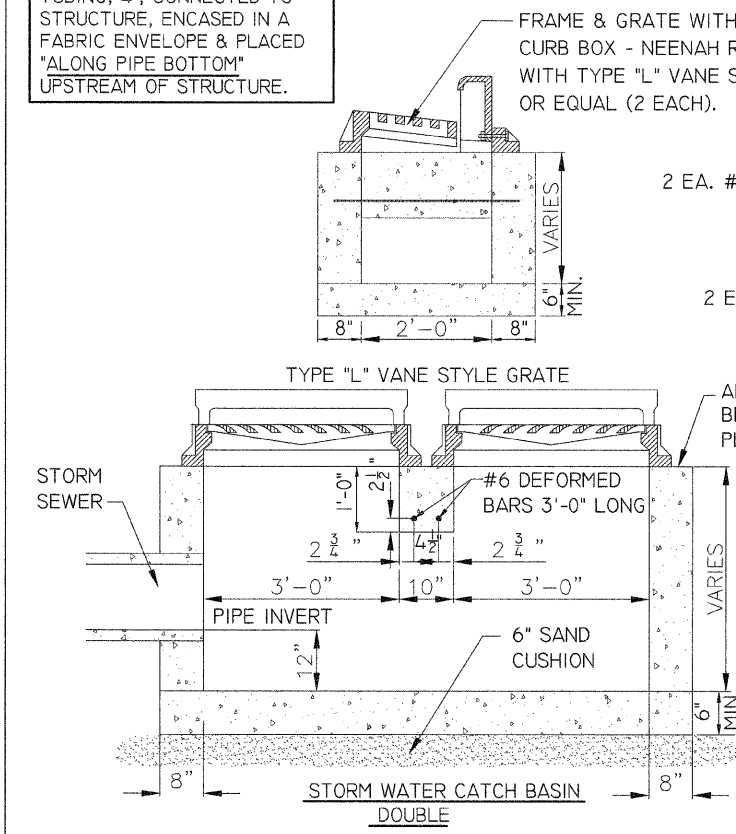
ALL SERVICE SEWER IN R.O.W. SHALL BE 6" D.I.P.

TYPICAL SERVICE CONNECTION AND SEWER MAIN		
DATE	CITY OF MOLINE STANDARD	#12
12/05		

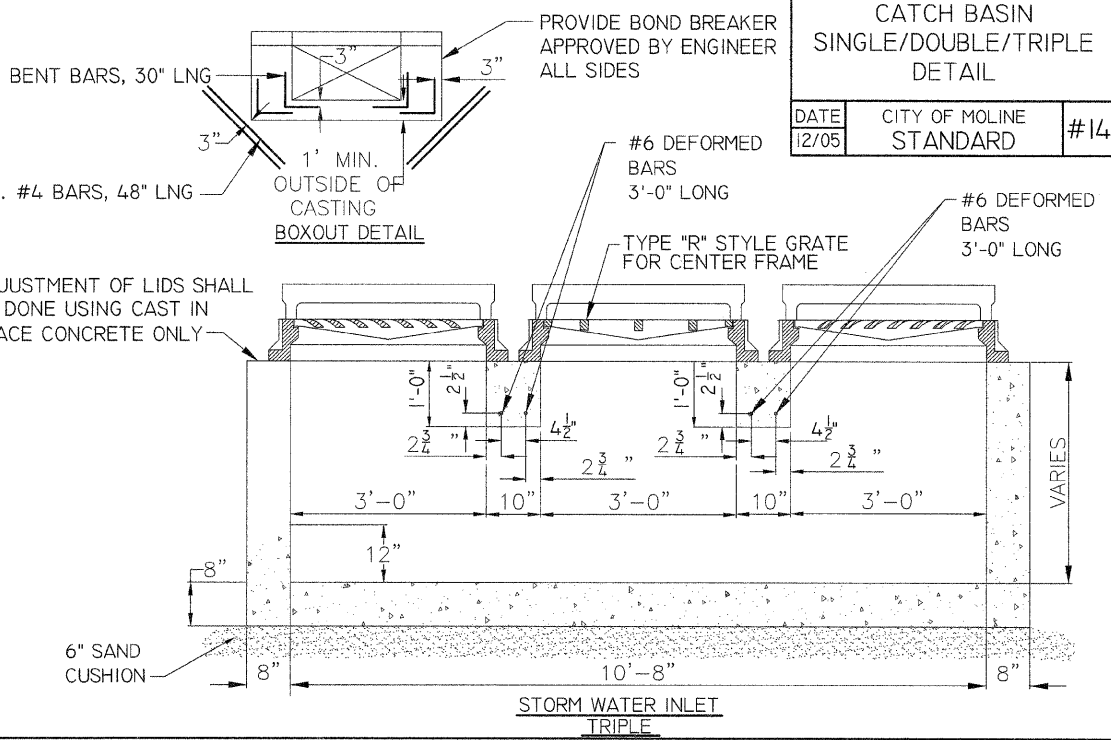


BEDDING AND TRENCH BACKFILL		
DATE	CITY OF MOLINE STANDARD	#13
12/05		

STRUCTURE SHALL INCLUDE A 6 FT. LENGTH OF PERFORATED, CORRUGATED, POLYETHYLENE TUBING, 4", CONNECTED TO STRUCTURE, ENCASED IN A FABRIC ENVELOPE & PLACED "ALONG PIPE BOTTOM" UPSTREAM OF STRUCTURE.



NOTES:
 NO PART OF PIPE SHALL BE PLACED WITHIN 9 INCHES OF THE Q OF BEAMS.
 2 L.F. OF CURB AND GUTTER (EACH SIDE) SHALL BE INCLUDED AS PART OF CATCHBASIN CONSTRUCTION AND ADJUSTMENT IF NOT WITHIN NEW PVT. CONSTRUCTION.
 ALL REINFORCING BARS SHALL BE EPOXY COATED.



CATCH BASIN SINGLE/DOUBLE/TRIPLE DETAIL		
DATE	CITY OF MOLINE STANDARD	#14
12/05		

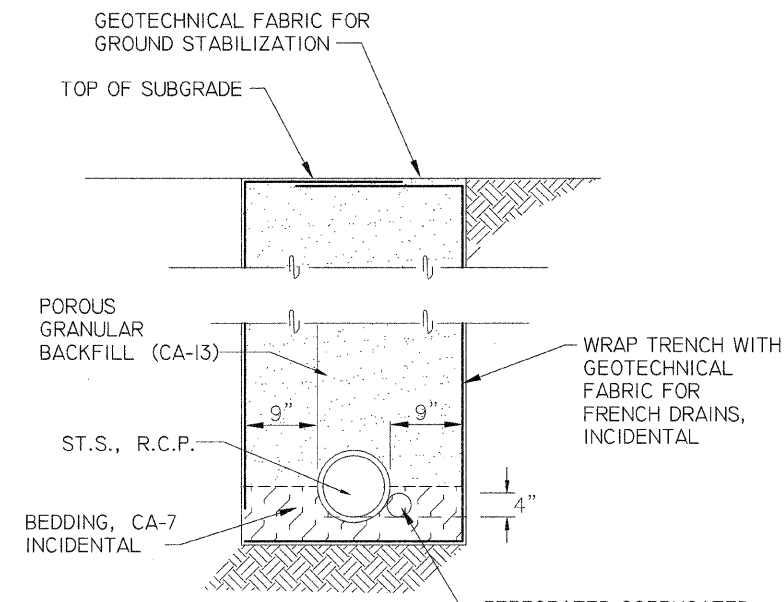
CITY OF MOLINE
 DEPARTMENT OF PUBLIC WORKS - ENGINEERING DIVISION
 3635 4TH AVENUE, MOLINE, IL 61265
 (309) 797-0700
 CITY ENGINEER - SCOTT HINTON, P.E.

5TH AVENUE
 14TH TO 17TH STREET
 MOLINE DETAILS

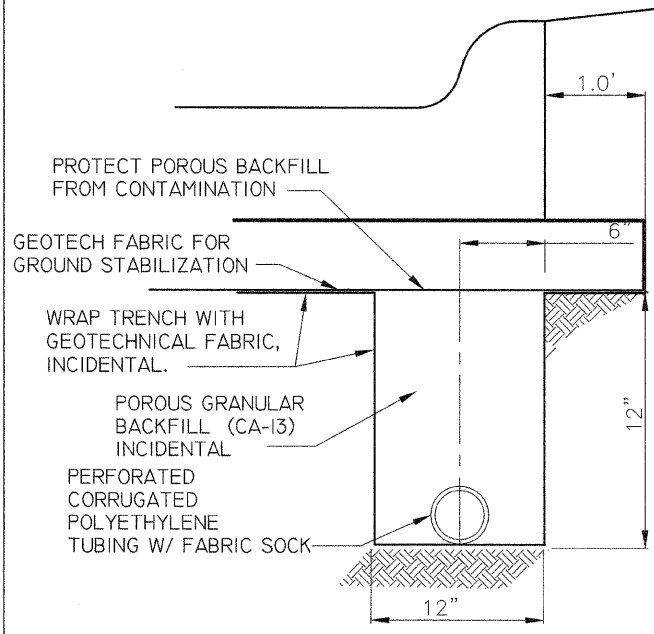
Date	Revision
9/25/09	PER IDOT COMMENTS
8/14/09	PER IDOT COMMENTS

Date	5-15-09	Sheet	48
Scale	NTS	OF	50
MFT PROJ. #	09-00242-00-RP	DESIGNER	MEF

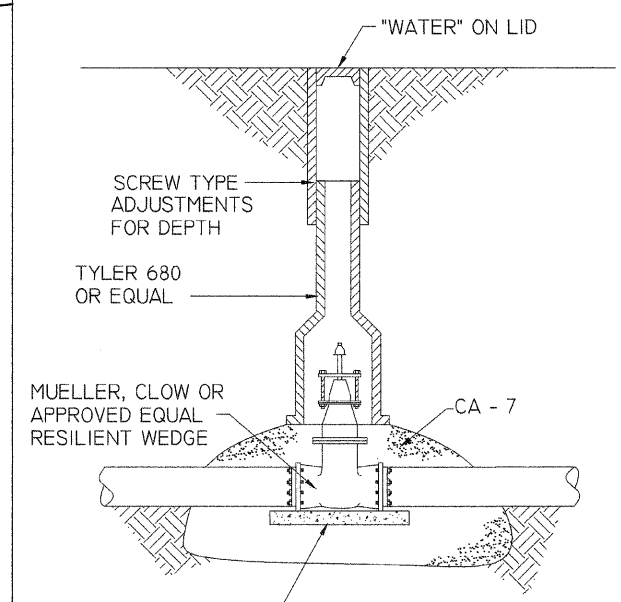
F.A.U. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5763	09-00242-00-RP	ROCK ISLAND	50	49



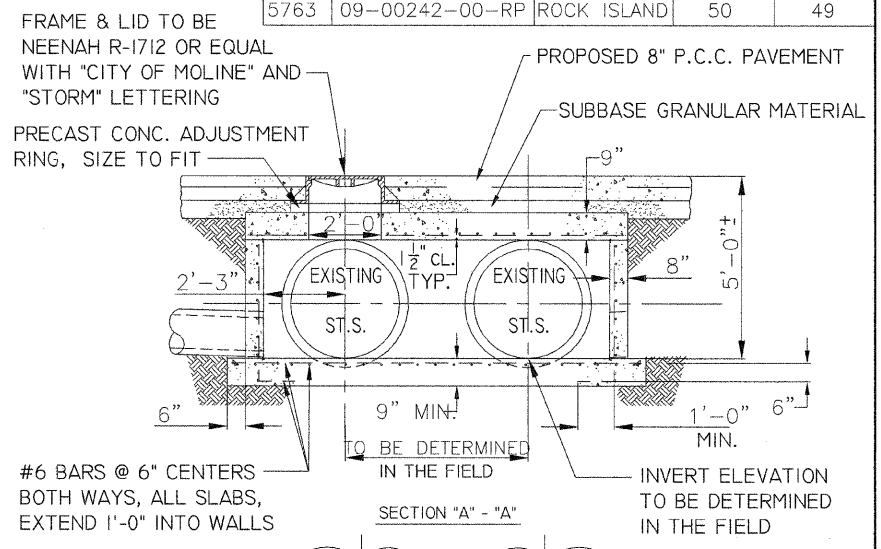
UNDERDRAIN DETAIL
DATE: 12/05 CITY OF MOLINE STANDARD #18



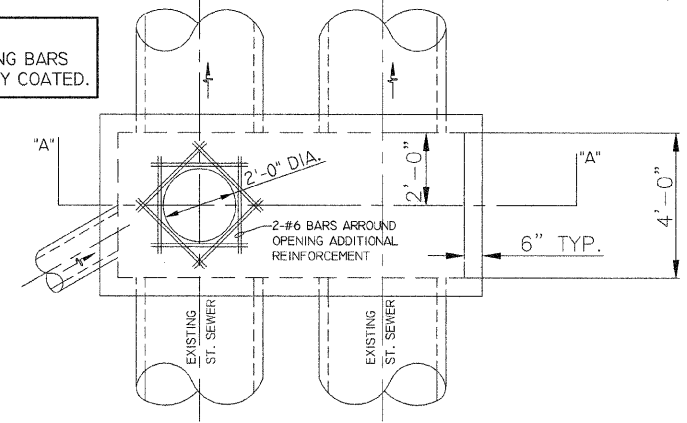
PIPE UNDERDRAIN DETAIL
DATE: 12/05 CITY OF MOLINE STANDARD #18A



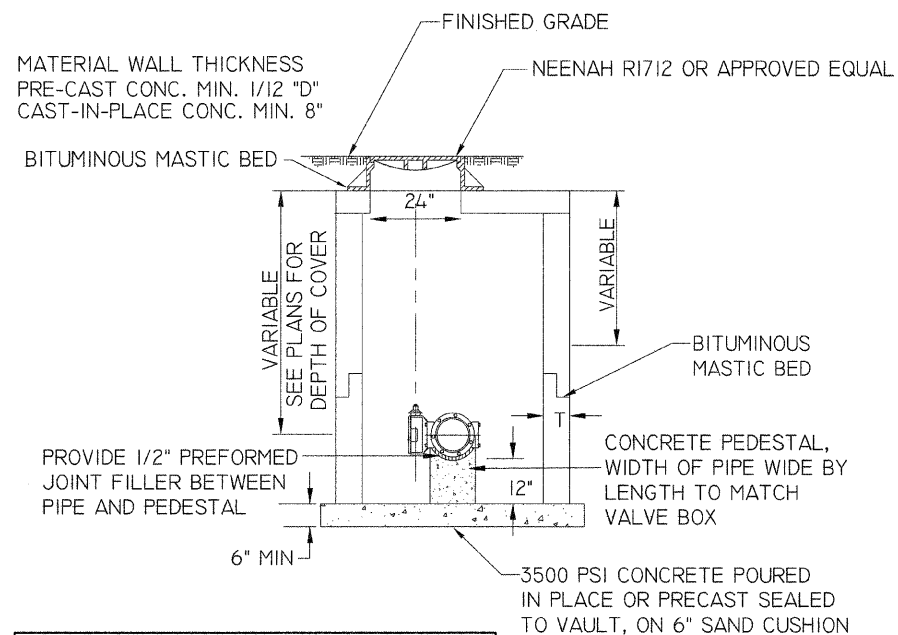
GATE VALVE BOX INSTALLATION
DATE: 9/02 CITY OF MOLINE STANDARD #22



NOTE: ALL REINFORCING BARS SHALL BE EPOXY COATED.

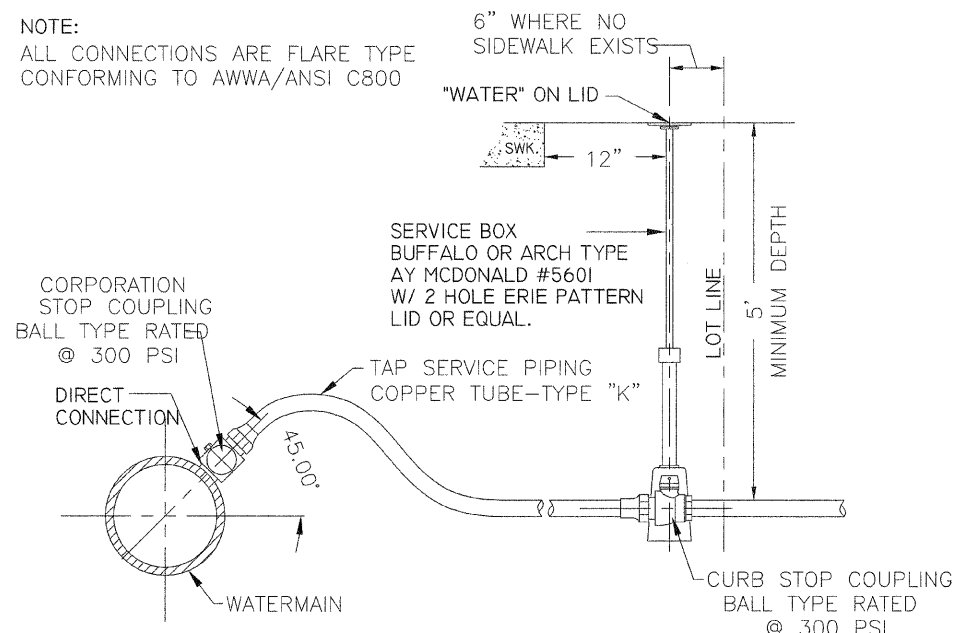


JUNCTION CHAMBER SPECIAL
DATE: 4/09 CITY OF MOLINE STANDARD 21A



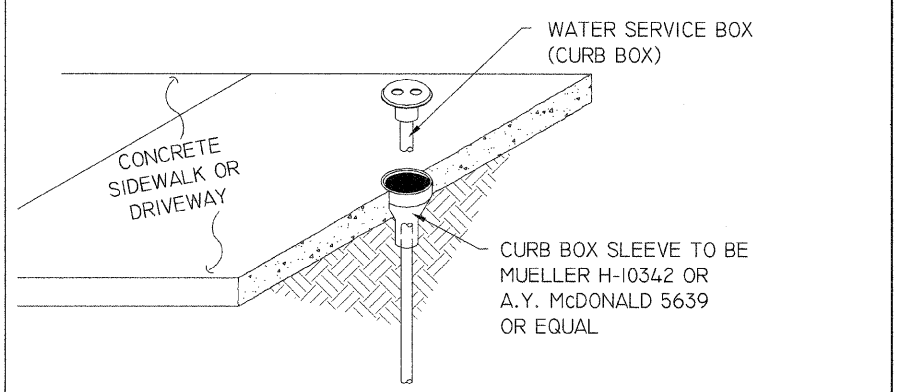
NOTE: VALVE VAULT DIA. SHALL BE 48" FOR 8" AND SMALLER VALVES AND 60" FOR 10" AND LARGER VALVES.
LIDS SHALL HAVE "CITY OF MOLINE" AND "WATER" LETTERING
FRAMES AND LIDS SHALL BE LOCATED OVER CENTER OF OPERATING NUT.

TYPICAL VALVE VAULT DETAIL
DATE: 9/09 CITY OF MOLINE STANDARD #23



NOTE: Each water service pipe shall be connected to the water main through a brass corporation stop. The main shall be tapped at an angle of 45 degrees with the vertical, and the stop must be turned so that the T-handle will be on the top. Any damage, tears, cuts, etc. of the polyethylene wrap shall be repaired after tapping and prior to backfilling.

DIRECT TAP SERVICE PIPING (COPPER)
DATE: 12/05 CITY OF MOLINE STANDARD #24



CURB BOX AND SLEEVE
DATE: 10/95 CITY OF MOLINE STANDARD #25

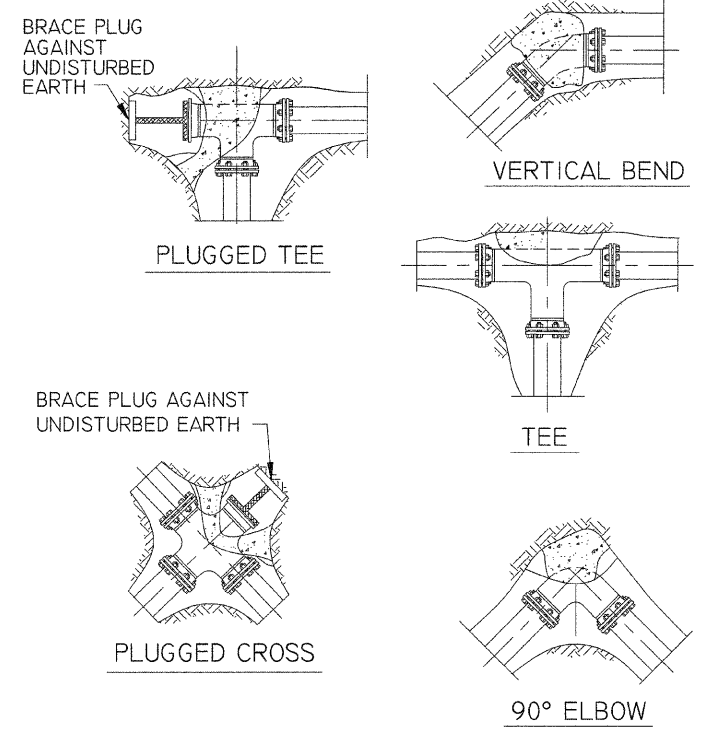
CITY OF MOLINE
DEPARTMENT OF PUBLIC WORKS - ENGINEERING DIVISION
3635 4TH AVENUE, MOLINE, IL 61265
(309) 797-0700
CITY ENGINEER - SCOTT HINTON, P.E.

5TH AVENUE
14TH TO 17TH STREET
MOLINE DETAILS

Date	Revision
9/25/09	PER IDOT COMMENTS
8/14/09	PER IDOT COMMENTS

Date	5-15-09	Sheet	49
Scale	NTS	of	50
MTY PROJ. #	09-00242-00-RP	DESIGNER	MEF

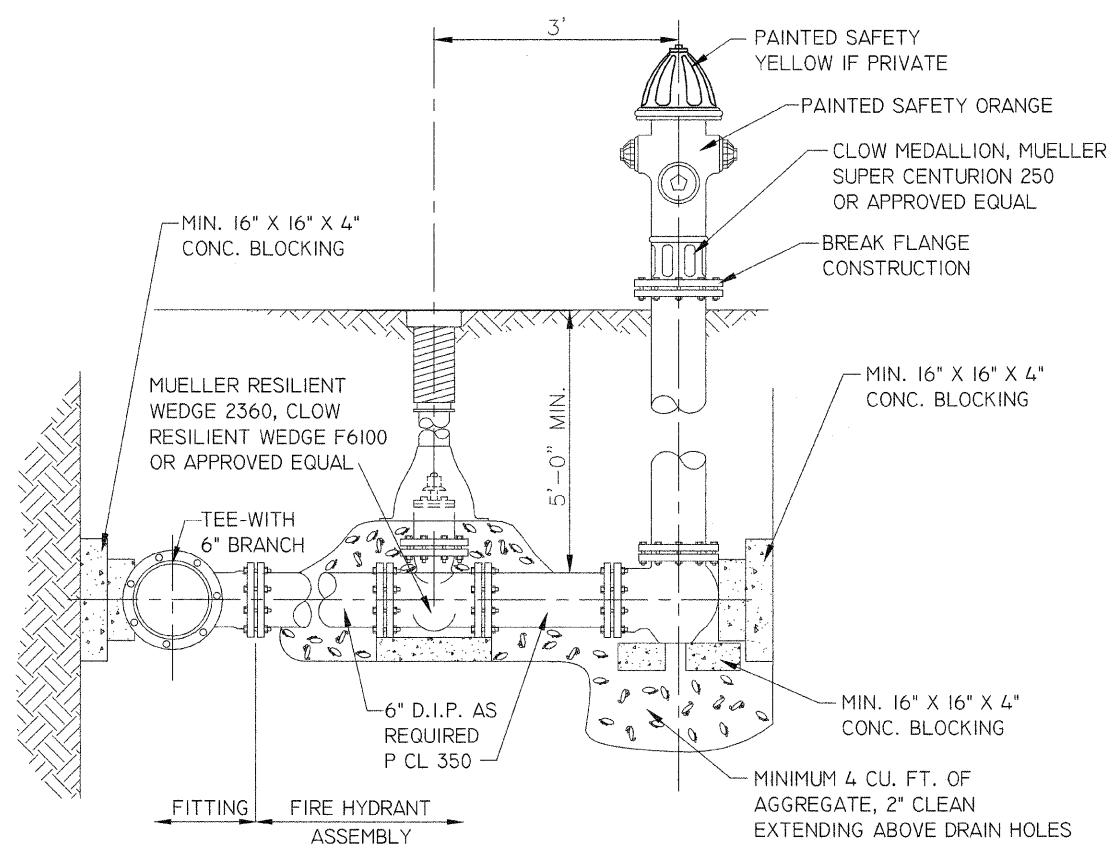
F.A.U. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5763	09-00242-00-RP	ROCK ISLAND	50	50



NOTES:

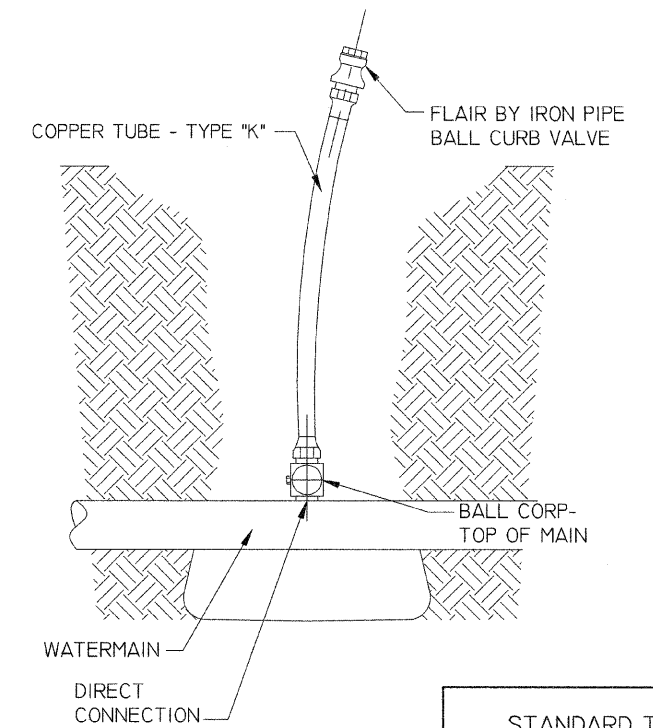
ALL BLOCKS BEAR AGAINST UNDISTURBED EARTH.
ARROWS INDICATE DIRECTION OF THRUST.
ALL BLOCKS TO BE 3500 P.S.I. CONCRETE.
ALL FITTINGS SHOWN IN PLAN EXCEPT VERTICAL BEND.

THRUST BLOCK INSTALLATIONS		
DATE	CITY OF MOLINE STANDARD	#26
2/96		



FIRE HYDRANT ASSEMBLY		
DATE	CITY OF MOLINE STANDARD	#27
12/05		

NOTE: HYDRANT CONNECTIONS SHALL BE MADE WITH MJ FIELD LOK JOINTS.



STANDARD TEST CONNECTION		
DATE	CITY OF MOLINE STANDARD	#28
2/09		

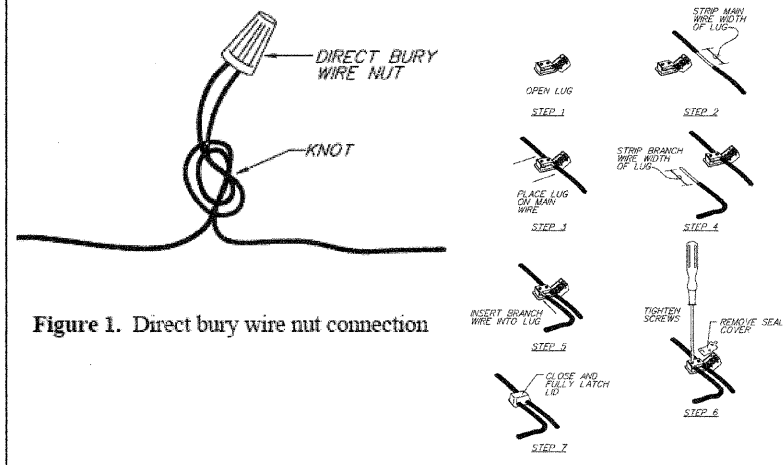


Figure 1. Direct bury wire nut connection

Figure 2. Direct bury lug connection

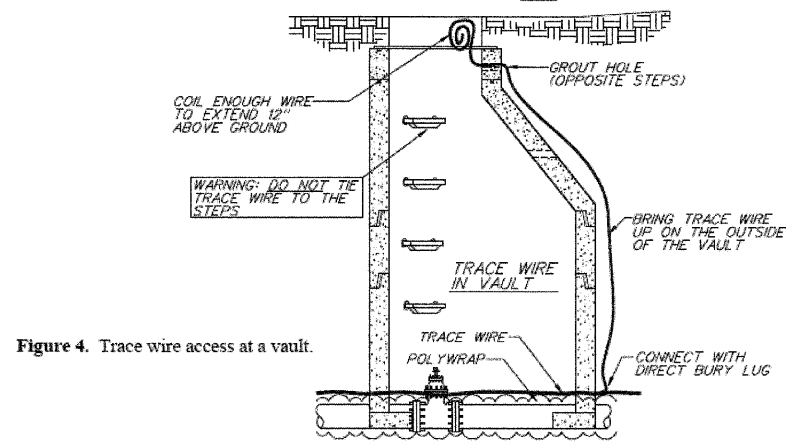


Figure 4. Trace wire access at a vault.

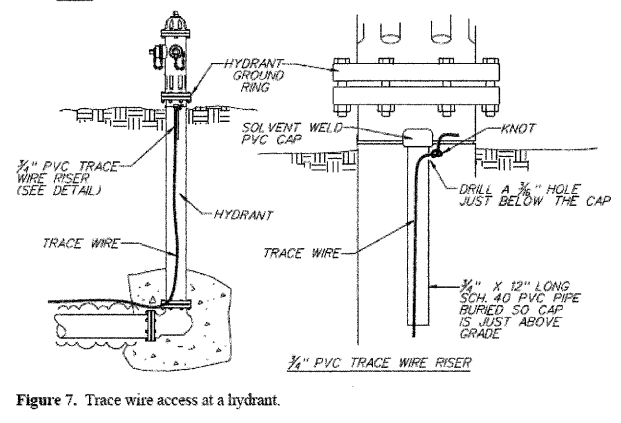


Figure 7. Trace wire access at a hydrant.

Note: If a marker is used only to mark the main location and not bring up the trace wire, use the blue markers without the trace wire connectors.

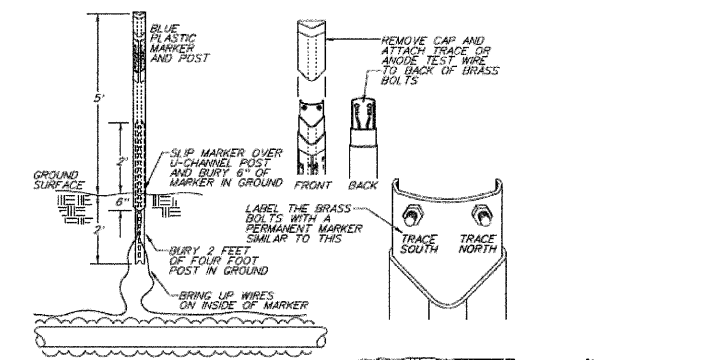


Figure 5. Trace wire access at a pipeline marker.

Trace Wire in a CC Valve Box

Trace wire shall be brought up in all cc valve boxes. The trace wire shall be brought to the surface according to Figure 6.

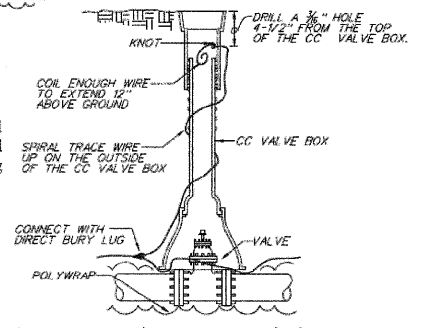


Figure 6. Trace wire access at a cc valve box.

TRACER WIRE INSTALLATIONS		
DATE	CITY OF MOLINE STANDARD	#29
8/09		

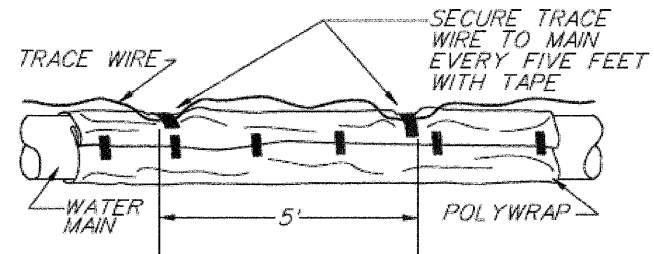


Figure 3. Trace wire installation.

CITY OF MOLINE
DEPARTMENT OF PUBLIC WORKS - ENGINEERING DIVISION
3635 4TH AVENUE, MOLINE, IL 61265
(309) 797-0700
CITY ENGINEER - SCOTT HINTON, P.E.

5TH AVENUE
14TH TO 17TH STREET
MOLINE DETAILS

Date	Revision
9/25/09	PER IDOT COMMENTS
8/14/09	PER IDOT COMMENTS

Date	Sheet
5-15-09	50 OF 50
Scale	NTS
MFT PROJ. #	DESIGNER
09-00242-00-RP	MEF