

F.A.U. RTE. 6352 6412	SECTION 02-00218-00-SP	COUNTY MCLEAN	TOTAL SHEETS 35	SHEET NO. 1
ILLINOIS FED. AID PROJECT				

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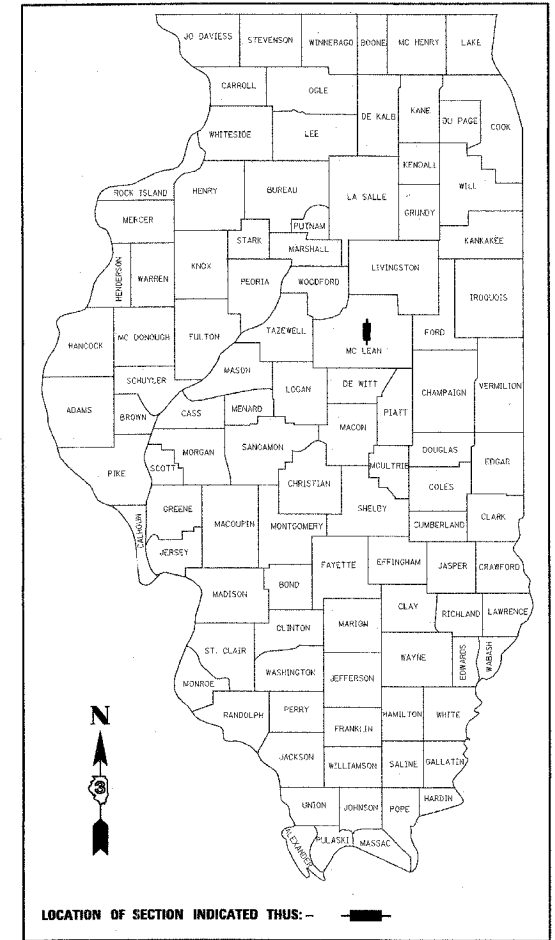
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PLANS FOR PROPOSED
STREET IMPROVEMENTS
FEDERAL AID HAZARD ELIMINATION SAFETY PROGRAM

SCALES

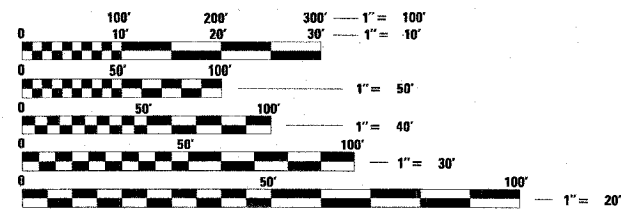
PLAN	1 INCH = 20 FEET
PROFILE HORIZ.	1 INCH = 20 FEET
PROFILE VERT.	1 INCH = 5 FEET
CROSS SECTIONS HORIZ.	1 INCH = 10 FEET
CROSS SECTIONS VERT.	1 INCH = 5 FEET

TOWN OF NORMAL, ILLINOIS
McLEAN COUNTY
SECTION: 02-00218-00-SP PROJECT: ACHS-6352(003)
C-95-311-06

COLLEGE AVE. - FAU 6352 AND TOWANDA AVE. - FAU 6412
INTERSECTION IMPROVEMENTS



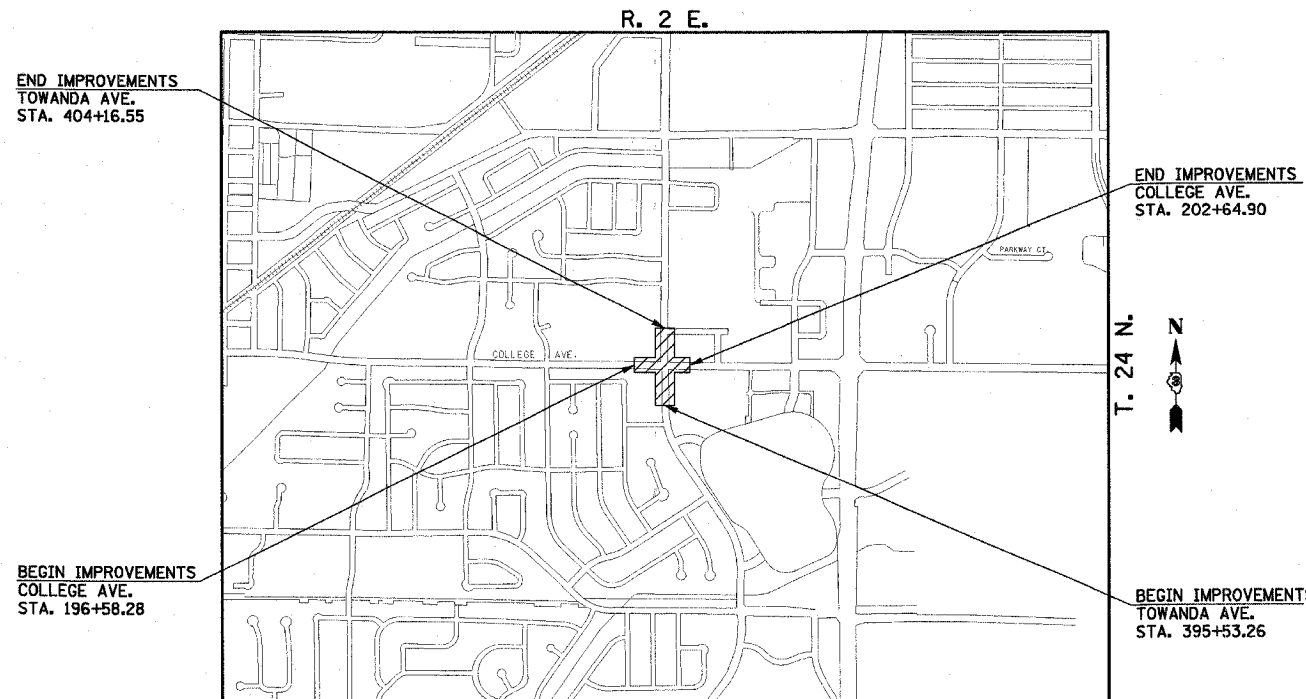
ILLINOIS HIGHWAY STANDARD DRAWINGS
(SEE SHEET NO. 3)



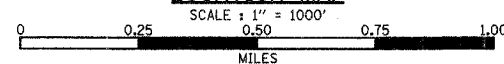
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123

CONTRACT NO. 91363

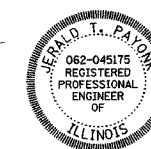


LOCATION MAP



TOTAL LENGTH OF COLLEGE AVE. IMPROVEMENT	= 606.62 FEET	= 0.11 MILES
TOTAL LENGTH OF TOWANDA AVE. IMPROVEMENT	= 863.29 FEET	= 0.16 MILES
TOTAL LENGTH OF IMPROVEMENTS	= 1,469.91 FEET	= 0.27 MILES

PROFESSIONAL ENGINEER
 CLARK DIETZ, INC.
 DATE: 13 MAR 07
 LICENSE EXPIRES 11-30-07



APPROVED	<i>March 14 2007</i> <i>Gene Brown</i> TOWN ENGINEER
PASSED	<i>3/21 2007</i> <i>David A. Sisk</i> DISTRICT FIVE ENGINEER OF LOCAL ROADS & STREETS
Releasing For Bid Based on Limited Review	<i>March 22 2007</i> <i>Joseph E. Lane</i> DEPUTY DIRECTOR OF HIGHWAYS, REGION THREE ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Clark Dietz
 ENGINEERS
 1817 SOUTH NEIL STREET
 SUITE 100
 CHAMPAIGN, IL 61820
 PHONE : 217.373.8900
 FAX : 217.373.8923

GENERAL NOTES

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6352 6412	02-00218-00-SP	MCLEAN	35	2
STA.	TO STA.			
	ILLINOIS FED. AID PROJECT			

CONTRACT NO. 91363

1. ALL ELEVATIONS SHOWN ARE REFERRED TO THE N.A.V.D. 1929 DATUM, AS PROVIDED BY THE TOWN OF NORMAL.
2. WHEREVER IN THE PLANS OR SPECIFICATIONS THE TERM "STANDARD SPECIFICATIONS" IS USED IT SHALL BE UNDERSTOOD BY THE CONTRACTOR TO MEAN THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" AS PREPARED BY THE DEPARTMENT OF TRANSPORTATION OF THE STATE OF ILLINOIS AND ADOPTED ON JANUARY 1, 2007.
3. WHEREVER IN THE PLANS OR SPECIFICATIONS THE TERM "STANDARD SPECIFICATIONS FOR SEWER CONSTRUCTION" IS USED IT SHALL BE UNDERSTOOD BY THE CONTRACTOR TO MEAN THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" AS PREPARED BY I.S.P.E., A.G.C.I., I.M.L., AND U.C.A., ADOPTED MAY 1996.
4. ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS SHALL BE INTERPRETED TO BE THE LATEST STANDARDS OF THE DEPARTMENT AS SHOWN ON SHEET 3.
5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THE PROJECT.
6. THE CONTRACTOR WILL BE REQUIRED TO COMPLY WITH STATE REGULATIONS REGARDING AIR, WATER, AND NOISE POLLUTION.
7. THE CONTRACTOR SHALL TAKE CARE NOT TO STORE OR DISPOSE OF DEBRIS OR UNSUITABLE MATERIALS WITHIN LIMITS OF THE IMPROVEMENT AND TAKE CARE TO LIMIT CONSTRUCTION TO WITHIN THE RIGHT-OF-WAY AND EASEMENT AREAS. UNNECESSARY ENCROACHMENTS ONTO PRIVATE OR PUBLIC AREAS WILL NOT BE ALLOWED.
8. WHERE SECTION OR SUBSECTION MONUMENTS, BENCHMARKS, OR IRON PIPE MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL MONUMENTS UNTIL AN ILLINOIS REGISTERED LAND SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR WILL BE RESPONSIBLE FOR HAVING AN ILLINOIS REGISTERED LAND SURVEYOR RE-ESTABLISH ANY MONUMENTS UNNECESSARILY DESTROYED BY HIS OPERATIONS.
9. ALL STREET RETURNS HAVE RADII DESIGNATED TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED ON THE PLANS.
10. ALL EXISTING SIGNS LOCATED ON PUBLIC RIGHT-OF-WAY WHICH INTERFERE WITH THE WORK SHALL BE REMOVED BY THE TOWN OF NORMAL OR IDOT UNLESS DIRECTED OTHERWISE BY THE ENGINEER. THE TOWN WILL REMOVE AND REPLACE ANY SIGN INSTALLATION AT NO CHARGE TO THE CONTRACTOR PROVIDING THE CONTRACTOR PROVIDES THE ENGINEER WITH NOT LESS THAN TWO (2) WORKING DAYS NOTICE FOR SIGN REMOVAL. THE ENGINEER WILL NOTIFY THE TOWN OF NORMAL FOR SIGN REMOVAL ALONG THE SIDE ROADS. ANY CONTRACTOR OR PRIVATE PARTY REMOVING ANY SIGN WILL BE BILLED FOR THE REPLACEMENT COSTS ASSOCIATED WITH THE REINSTALLATION OF THE SIGN AND MAY BE CHARGED WITH VIOLATION OF ILLINOIS VEHICLE CODE 11-311.
11. THE EXCAVATION FOR THIS PROJECT IS CLASSIFIED AS EARTH EXCAVATION IN ACCORDANCE WITH SECTION 202 OF THE STANDARD SPECIFICATIONS. THE EARTH EXCAVATION SHALL INCLUDE THE REMOVAL OF EARTH AND UNCLASSIFIED MATERIALS, AND THE TRANSPORTATION AND PLACEMENT OF SUITABLE EXCAVATED MATERIALS IN EMBANKMENTS. THE REMAINING EXCAVATION IS CLASSIFIED AS REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL, TOPSOIL EXCAVATION AND PLACEMENT, CURB AND GUTTER REMOVAL, PAVEMENT REMOVAL, DRIVEWAY PAVEMENT REMOVAL, AND SIDEWALK REMOVAL.
12. THE FINISHED EARTHWORK SHALL HAVE VEGETATIVE SUSTAINING SOIL COVERING THE TOP 4 INCHES IN AREAS TO BE SODDED OR SEEDDED. THE TOPSOIL REQUIRED WILL BE PAID FOR PER SQUARE YARD FOR TOPSOIL FURNISH AND PLACE, 4".
13. ONLY EXISTING PAVEMENT, BASE COURSES AND DRIVEWAY PAVEMENTS COMPOSED OF PORTLAND CEMENT CONCRETE OR HOT-MIX ASPHALT SHALL BE MEASURED AND PAID FOR AS "PAVEMENT REMOVAL" AND "DRIVEWAY PAVEMENT REMOVAL" IN ACCORDANCE WITH SECTION 440 OF THE STANDARD SPECIFICATIONS. REMOVAL OF OTHER TYPES OF PAVEMENT COMPOSITION SUCH AS AGGREGATE OR OIL AND CHIP SHALL BE MEASURED AND PAID FOR AS "EARTH EXCAVATION" IN ACCORDANCE WITH SECTION 202 OF THE STANDARD SPECIFICATIONS.
14. ALL EXISTING STUMPS WHICH LIE WITHIN RIGHT-OF-WAY LIMITS SHALL BE REMOVED AS DIRECTED BY THE ENGINEER. ALL STUMPS REMOVED SHALL BE CLASSIFIED AND PAID FOR AS TREE REMOVAL.
15. TREES TO BE REMOVED: THE INDICATED TREES (INCLUDING STUMPS) TO BE REMOVED SHALL BE SUITABLY MARKED BY THE ENGINEER BEFORE TREE REMOVAL OPERATIONS BEGIN. ALL TREES, STUMPS, AND ROOTS SHALL BE COMPLETELY REMOVED AND DISPOSED OF. THIS WORK SHALL BE INCLUDED IN THE COST OF THE TREE REMOVAL AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
16. TREES TO BE SAVED: PARTICULAR EFFORT SHALL BE MADE TO SAVE ALL DESIRABLE EXISTING TREES OR SHRUBS. ONLY A MINIMUM OF GRADING WILL BE PERMITTED AROUND TREES AS DETERMINED BY THE ENGINEER AND AS DESCRIBED IN THE SPECIAL PROVISIONS. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR UNNECESSARY DAMAGE TO TREES, SHRUBS, OR LANDSCAPING INTENDED TO BE SAVED.
17. ALL DISTURBED AREAS SHALL BE SODDED AS SHOWN ON THE PLANS. EXISTING TURF WHICH IS DAMAGED OUTSIDE THE LIMITS OF CONSTRUCTION SHALL BE REESTABLISHED WITH SOD AS DIRECTED BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
18. UTILITY LOCATIONS WERE PLOTTED FROM INFORMATION FURNISHED BY THE VARIOUS UTILITY COMPANIES AND THEIR ACCURACY SHOULD BE CONSIDERED APPROXIMATE. NO RESPONSIBILITY IS ACCEPTED FOR THE LOCATIONS AS SHOWN OR THAT ALL UTILITY FACILITIES ARE SHOWN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THEIR EXACT LOCATION AND TO PROTECT SAME.
19. TEMPORARY SEEDING SHALL BE DONE AS DIRECTED BY THE ENGINEER AND IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS. A QUANTITY FOR TEMPORARY EROSION CONTROL SEEDING HAS BEEN ALLOWED FOR THIS PROJECT.
20. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES.
21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE JULIE NUMBER IS 800-892-0123. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED.
22. UTILITY OWNERS:
 - *INDICATES J.U.L.I.E. MEMBER
 - *TOWN OF NORMAL
100 E. PHOENIX AVE.
NORMAL, ILLINOIS 61761
(309)-454-9574
 - *AMEREN IP
501 E. LAFAYETTE ST.
BLOOMINGTON, ILLINOIS 61702
(309) 823-9211
 - *NICOR GAS
1844 FERRY ROAD
NAPERVILLE, ILLINOIS 60563
(888) 642-6748
 - *MCLEOD USA
102 EAST SHAFFER ST.
FORSYTH, ILLINOIS ZIP 62535
(217) 876-7194
 - *VERIZON
1312 E. EMPIRE ST.
BLOOMINGTON, ILLINOIS 61701
(309) 663-3144
 - *INSIGHT COMMUNICATIONS
1202 W. DIVISION STREET
NORMAL, ILLINOIS 61761
(309) 827-4396
23. ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE REMOVED AND DISPOSED OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS APPROVED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
24. ALL SALVAGEABLE FRAMES AND GRATES WHICH ARE NOT INCORPORATED IN THE WORK SHALL BECOME THE PROPERTY OF THE TOWN OF NORMAL. THE FRAMES AND GRATES SHALL BE STORED ON THE SITE FOR PICKUP BY THE TOWN.
25. ALL TRENCHES AND EXCAVATIONS FOR DRAINAGE PIPES, SANITARY SEWERS, WATER MAINS AND STRUCTURES OR STRUCTURE REMOVALS BELOW OR WITHIN TWO FEET LATERALLY OF THE PROPOSED PAVEMENT, DRIVEWAY PAVEMENT, SIDEWALK, OR CURB AND GUTTER, SHALL BE BACKFILLED WITH CONTROLLED LOW STRENGTH MATERIAL AS SHOWN ON THE PLANS AND IN ACCORDANCE WITH SECTION 593 OF THE STANDARD SPECIFICATIONS. THE BACKFILLING AROUND DRAINAGE STRUCTURES AS DESCRIBED IN ARTICLE 602.12 OF THE STANDARD SPECIFICATIONS WILL NOT BE MEASURED FOR PAYMENT.
26. STORM SEWER, WATER MAIN QUALITY IS TO BE USED AT LOCATIONS WHERE LATERAL SEPARATION BETWEEN THE SEWER AND WATER MAIN IS LESS THAN 10 FEET OR WHERE THE WATER MAIN CROSSES BELOW THE SEWER, REGARDLESS OF VERTICAL SEPARATION OR WHERE THE BOTTOM OF THE WATER MAIN IS LESS THAN 18 INCHES ABOVE THE TOP OF THE SEWER. THE MATERIAL SHALL BE CONCRETE PRESSURE PIPE OR DUCTILE IRON PIPE MEETING THE REQUIREMENTS OF SECTION 40-2.01 OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS. PVC PIPE WILL NOT BE ALLOWED.
27. THE TOP-OF-FRAME ELEVATIONS REFERRED TO IN THE DRAINAGE STRUCTURE CALL-OUTS FOR A TYPE 1 FRAME AND LID ARE TAKEN ADJACENT TO THE PAVEMENT OR GROUND SURFACE.
28. THE TOP-OF-FRAME ELEVATIONS REFERRED TO IN THE DRAINAGE STRUCTURE CALL-OUTS FOR A TYPE 3 FRAME AND GRATE PLACED WITHIN TYPE B-6.18 CURB AND GUTTER ARE TAKEN ALONG THE EDGE OF FRAME WHICH IS COLINEAR WITH THE EDGE OF PAVEMENT, THIS FRAME ELEVATION IS THUS EQUAL TO THE ADJACENT EDGE OF PAVEMENT ELEVATION, AND SHALL BE PROVIDED WITH OPEN FACE CURB BOXES AS DESCRIBED IN THE SPECIAL PROVISIONS.
29. WHEN CONNECTIONS ARE TO BE MADE TO EXISTING PIPING AND STRUCTURES, THE LOCATION AND ELEVATION OF THE EXISTING PIPING SHALL BE FIELD VERIFIED AND NOTIFICATION GIVEN TO THE ENGINEER IF THE EXISTING PIPING IS FOUND TO BE DIFFERENT THAN THAT SHOWN ON THE DRAWINGS. WHERE SUCH DISCREPANCY IS FOUND, WORK SHALL NOT PROCEED UNTIL DIRECTED ACCORDINGLY BY THE ENGINEER.
30. WHERE PROPOSED STORM SEWERS ARE TO BE CONNECTED INTO EXISTING MANHOLES OR EXISTING STORM SEWERS THE CONNECTIONS SHALL BE MADE IN A WORKMANLIKE MANNER AND MASONRY CONSTRUCTED AROUND THEM SO AS TO PREVENT LEAKAGE. THE COST OF MAKING ANY SEWER CONNECTIONS TO AN EXISTING DRAINAGE STRUCTURE OR PIPE SHALL BE CONSIDERED INCLUDED WITHIN THE CONTRACT UNIT PRICE FOR THE NEW SEWER.
31. THE EXISTING PIPE CULVERTS OR STORM SEWERS SHOWN TO BE REMOVED ON THE PLANS SHALL BE DONE IN ACCORDANCE WITH SECTION 551 OF THE STANDARD SPECIFICATIONS EXCEPT THAT SALVAGING OF THE PIPE WILL NOT BE REQUIRED.
32. EXISTING PAVEMENTS, CURBS AND GUTTERS, AND SIDEWALKS IN WHICH THE TOP SURFACE IS TO BE JOINED TO THE PROPOSED WORK SHALL BE SO JOINED THROUGH SAW CUT JUNCTURES. 3/4" EXPANSION JOINT MATERIAL SHALL BE PLACED AT THESE JUNCTURES AS DIRECTED BY THE ENGINEER.
33. WHERE THE PROPOSED COMBINATION CONCRETE CURB AND GUTTER JOINS THE EXISTING CURB AND GUTTER, A TRANSITION MAY BE REQUIRED IN THE SHAPE OF THE PROPOSED CURB AND GUTTER. THIS WORK SHALL BE CONSIDERED INCLUDED WITHIN THE CONTRACT UNIT PRICE FOR THE PROPOSED CURB AND GUTTER.
34. THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO WEIGHTED SAND BAGS ON EACH TYPE II BARRICADE USED. (ONE WEIGHTED SAND BAG ACROSS EACH BOTTOM RAIL.)
35. FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.
36. HORIZONTAL CONTROL TIES ARE SHOWN FOR THE CONTRACTOR TO PHYSICALLY LOCATE MONUMENTATION IN THE FIELD. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN CONTROL POINTS OR TO USE ADDITIONAL TIES AS NECESSARY TO INSURE THAT CONTROL POINTS CAN BE ACCURATELY REPLICATED DURING CONSTRUCTION.
37. THE TOWN OF NORMAL SHALL BE RESPONSIBLE FOR NOTIFYING THE PUBLIC, THE UNITED STATES POSTAL SERVICE, AND THE EMERGENCY SERVICE AGENCIES OF ANY CHANGES IN THE TRAFFIC MAINTENANCE PLANS.
38. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANUP OF THE SITE PRIOR TO FINAL ACCEPTANCE IN ACCORDANCE WITH ARTICLE 104.06 OF THE STANDARD SPECIFICATIONS. THIS WORK SHALL ALSO INCLUDE CLEANING ALL DRAINAGE FACILITIES OF FOREIGN MATERIALS.
39. THE FOLLOWING RATES OF APPLICATION HAVE BEEN ASSUMED IN CALCULATING PLAN QUANTITIES:
 - GRANULAR MATERIALS - 2.05 TONS / CU YD
 - HOT-MIX ASPHALT (ALL TYPES) - 112 LBS/SQ YD/ INCH THICK
40. ANY CONFLICTING PRIVATE PROPERTY LOCATED ON PUBLIC RIGHT-OF-WAY SHALL BE REMOVED AND RELOCATED BY THE CONTRACTOR TO A LOCATION AS DETERMINED BY THE ENGINEER. IF CONFLICTING PRIVATE PROPERTY IS DETERMINED TO BE WASTE, THE CONTRACTOR SHALL REMOVE AND DISPOSE OF IT OFF THE SITE OR AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.

ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

DATE : 3-07
DRAWN BY : S.M.W.
CHECKED BY : J.T.P.

SCALE : NONE

F.A.I.D. RTE. 6352 6412	SECTION 02-00218-00-SP	COUNTY MCLEAN	TOTAL SHEETS 35	SHEET NO. 3
STA.		TO STA.		
ILLINOIS		FED. AID PROJECT		

CONTRACT NO. 91363

ILLINOIS HIGHWAY STANDARD DRAWINGS

STANDARD NO.	DESCRIPTION
000001-04	STANDARDS SYMBOLS, ABBREVIATIONS, AND PATTERNS
420001-06	PAVEMENT JOINTS
420101-03	24' JOINTED PCC PAVEMENT
420111-01	PCC PAVEMENT ROUNDOUTS
424001-04	CURB RAMPS FOR SIDEWALKS
602301-01	INLET, TYPE A
602306-01	INLET, TYPE B
602601-01	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-01	MANHOLE STEPS
604001-02	FRAME AND LIDS, TYPE 1
604006-02	FRAME AND GRATE, TYPE 3
604066-01	FRAME AND LID, TYPE 15
606001-03	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701701-04	URBAN LANE CLOSURE MULTILANE INTERSECTION
701801-03	LANE CLOSURE MULTILANE, 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
702001-06	TRAFFIC CONTROL DEVICES
720016-01	MAST ARM MOUNTED STREET NAME SIGNS
805001	ELECTRICAL SERVICE INSTALLATION DETAILS
814001-01	HANDHOLES
814006-01	DOUBLE HANDHOLES
857001	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001	UNINTERRUPTABLE POWER SUPPLY (UPS)
873001-01	TRAFFIC SIGNAL GROUNDING & BONDING
877011-02	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE
878001-05	CONCRETE FOUNDATION DETAILS
880001	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
880006	TRAFFIC SIGNAL MOUNTING DETAILS

LEGEND

EXISTING	PROPOSED	EXISTING	PROPOSED
W	WATER LINE	▲	MONUMENT
G	GAS LINE	●	IRON PIN/PIPE FOUND
OHE	OVERHEAD ELECTRIC	⊠	RIGHT-OF-WAY MARKER
UGE	UNDERGROUND ELECTRIC	⊕	SOIL BORING
OHT	OVERHEAD TELEPHONE	⊠	TRAFFIC SIGNAL CONTROL BOX
UGT	UNDERGROUND TELEPHONE	⊠	TRAFFIC SIGNAL POST
CATV	CABLE TELEVISION	⊠	TRAFFIC SIGNAL MAST ARM
FO	FIBER OPTIC LINE	⊠	PEDESTRIAL PUSH BUTTON POST
SM	STEAM LINE	⊠	HANDHOLE
FM	FORCE MAIN	⊠	JUNCTION BOX
SS	SANITARY SEWER	⊠	RR CROSSING GATE
SSW	STORM SEWER	⊠	RR FLASHING SIGNAL
SSW	STORM SEWER WATER MAIN QUALITY	⊠	RR CROSSBUCK
⊠	INLET OR CATCH BASIN	⊠	STREET SIGN
⊠	MANHOLE	⊠	TRAFFIC SIGN
⊠	UTILITY WARNING SIGN	⊠	DELINEATOR
⊠	SERVICE BOX SHUTOFF	⊠	PARKING LOT LIGHT
⊠	VALVE	⊠	YARD LIGHT
⊠	WATER MANHOLE	⊠	MAILBOX
⊠	WATER METER	⊠	PARKING METER
⊠	FIRE HYDRANT	⊠	SPRINKLER CONTROL BOX
⊠	GAS METER	⊠	SPRINKLER HEAD
⊠	GAS REGULATOR	⊠	TANK FILLER CAP
⊠	GAS VENT PIPE	⊠	INSPECTION WELL
⊠	ELECTRIC MANHOLE	⊠	CLEANOUT
⊠	ELECTRIC METER	⊠	DOWNSPOUT
⊠	ELECTRIC PEDESTAL	⊠	BOLLARD
⊠	ELECTRIC HANDHOLE	⊠	FENCE POST
⊠	POWER POLE	⊠	GATE POST
⊠	POWER POLE W/LIGHT	⊠	FLAG POLE
⊠	POWER POLE W/TRANSFORMER	⊠	FLOOD LIGHT
⊠	STREET LIGHT	⊠	TREE STUMP
⊠	ORNAMENTAL STREET LIGHT	⊠	BUSH
⊠	GUY POLE	⊠	CONIFEROUS TREE
⊠	GUY WIRE	⊠	DECIDUOUS TREE
⊠	TELEPHONE POLE	⊠	PROPERTY PARCEL NUMBER
⊠	TELEPHONE MANHOLE	⊠	HOUSE ADDRESS NUMBER
⊠	TELEPHONE PEDESTAL	⊠	
⊠	PEDESTAL PAY PHONE	⊠	
⊠	PHONE BOOTH	⊠	

ILLINOIS DEPARTMENT OF TRANSPORTATION
**HIGHWAY STANDARDS
AND
LEGEND**
DATE : 3-07
DRAWN BY : S.M.W.
CHECKED BY : J.T.P.
SCALE : NONE

CODE: J000-2A

CONTRACT NO. 91363

SUMMARY OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	200
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	20
20200100	EARTH EXCAVATION	CU YD	1,025
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	1,740
25200100	SODDING	SQ YD	1,740
25200200	SUPPLEMENTAL WATERING	UNIT	27
28000255	TEMPORARY EROSION CONTROL SEEDING	ACRE	0.5
28000400	PERIMETER EROSION BARRIER	FOOT	93
28000510	INLET FILTERS	EACH	10
31101200	SUB-BASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	1,873
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	10
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	52
42000301	PORTLAND CEMENT CONCRETE PAVEMENT 8" (JOINTED)	SQ YD	1,202
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	250
42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	3,858
42400800	DETECTABLE WARNINGS	SQ FT	73
44000100	PAVEMENT REMOVAL	SQ YD	262
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	314
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	2,125
44000600	SIDEWALK REMOVAL	SQ FT	4,001
44003100	MEDIAN REMOVAL	SQ FT	2,319
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	49
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	24
60235700	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	EACH	1
60238500	INLETS, TYPE A, WITH SALVAGED FRAME AND GRATE	EACH	2
60255500	MANHOLES TO BE ADJUSTED	EACH	3
60256900	MANHOLES TO BE ADJUSTED WITH NEW TYPE 15 FRAME AND LID	EACH	1
60266600	VALVE BOXES TO BE ADJUSTED	EACH	1
60500060	REMOVING INLETS	EACH	5
60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	1,143
60604800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 (SPECIAL)	FOOT	502
60619600	CONCRETE MEDIAN, TYPE SB-6.12	SQ FT	183
67100100	MOBILIZATION	L SUM	1
70103700	TRAFFIC CONTROL COMPLETE	L SUM	1
72000100	SIGN PANEL - TYPE 1	SQ FT	40

*SEE SPECIAL PROVISIONS

SUMMARY OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
72000200	SIGN PANEL - TYPE 2	SQ FT	50
Δ 78001100	PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	94
Δ 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	834
Δ 78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	1,087
Δ 78001150	PAINT PAVEMENT MARKING - LINE 12"	FOOT	90
Δ 78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	189
78300100	PAVEMENT MARKING REMOVAL	SQ FT	586
Δ 80500100	SERVICE INSTALLATION, TYPE A	EACH	1
Δ 81000600	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	122
Δ 81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	249
Δ 81012700	CONDUIT IN TRENCH, 2 1/2" DIA., PVC	FOOT	69
Δ 81013100	CONDUIT IN TRENCH, 5" DIA., PVC	FOOT	10
Δ 81018500	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	346
Δ 81021330	CONDUIT PUSHED, 2" DIA., PVC	FOOT	275
Δ 81021370	CONDUIT PUSHED, 4" DIA., PVC	FOOT	232
Δ 81021380	CONDUIT PUSHED, 5" DIA., PVC	FOOT	96
Δ 81306500	REMOVE EXISTING JUNCTION BOX	EACH	4
Δ 81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	6
Δ 81400720	DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1
Δ 81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	1,350
Δ 81900300	TRENCH AND BACKFILL WITH SCREENINGS OR SAND	FOOT	450
Δ 82103250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, PHOTO-CELL CONTROL, 250 WATT	EACH	4
Δ 85700205	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
Δ 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,250
Δ 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,325
Δ 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	3,175
Δ 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	700
Δ 87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	80

* SEE SPECIAL PROVISIONS
Δ SPECIALTY ITEMS

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

DATE : 3-07
DRAWN BY : S.M.W.
CHECKED BY : J.T.P.
SCALE : NONE

FUND CODE: J000-2A

F.A.U. RTE. 6352 6412	SECTION 02-00218-00-SP	COUNTY MCLEAN	TOTAL SHEETS 35	SHEET NO. 5
STA.		TO STA.		
ILLINOIS FED. AID PROJECT				

CONTRACT NO. 91363

SUMMARY OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
Δ *	87502500 TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
Δ *	87601200 PEDESTRIAN PUSH-BUTTON POST, GALVANIZED STEEL, TYPE II	EACH	2
Δ *	87702940 STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42 FT.	EACH	1
Δ *	87702970 STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 48 FT.	EACH	3
Δ	87800100 CONCRETE FOUNDATION, TYPE A	FOOT	6
Δ	87800200 CONCRETE FOUNDATION, TYPE D	FOOT	4
Δ *	87800415 CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	52
Δ	87900200 DRILL EXISTING HANDHOLE	EACH	1
Δ *	88040060 SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
Δ *	88040090 SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	12
Δ *	88040150 SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
Δ *	88040160 SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	2
Δ *	88102810 PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED	EACH	8
Δ	88200410 TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	20
Δ *	88800100 PEDESTRIAN PUSH-BUTTON	EACH	8
Δ	89000100 TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
Δ *	89502380 REMOVE EXISTING HANDHOLE	EACH	11
Δ *	89502385 REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
*	X0321905 STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 12"	FOOT	26
Δ *	X0322281 WIDE AREA VIDEO DETECTION SYSTEM COMPLETE	EACH	1
Δ *	X0322341 PULL & REINSTALL FIBER OPTIC CABLE	L SUM	1
Δ *	X0962500 REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	L SUM	1
*	X6020125 RESTRICTED DEPTH INLET TYPE B, TYPE 3 FRAME AND GRATE	EACH	2
Δ *	X8730027 ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 IC	FOOT	600
Δ *	XX006163 REMOVE ELECTRICAL CABLE FROM CONDUIT (SPECIAL)	L SUM	1
*	XX006192 RESTRICTED DEPTH INLETS TYPE B, TYPE 1 4" FRAME, OPEN LID	EACH	2
*	XX006193 RESTRICTED DEPTH INLET, TYPE B, SALVAGED FRAME AND GRATE	EACH	2
*	XX006661 UNINTERRUPTABLE POWER SUPPLY	EACH	1
*	XX146400 STORM SEWER REMOVAL	FOOT	52
*	Z0013798 CONSTRUCTION LAYOUT	L SUM	1

* SEE SPECIAL PROVISIONS
 Δ SPECIALTY ITEMS

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

DATE : 3-07
 DRAWN BY : S.M.W.
 CHECKED BY : J.T.P.

SCHEDULE OF QUANTITIES

EARTHWORK SUMMARY					
LOCATION	EARTH EXCAVATION (CU YD)	ADJUSTMENT FOR 25% SHRINKAGE = EARTH EXCAVATION x (1 - 0.25) (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE(+) SHORTAGE(-) (CU YD)	TOPSOIL FURNISH AND PLACE (SQ YD)
SW QUADRANT - COLLEGE AVE.	277	208	0	208	--
SW QUADRANT - TOWANDA AVE	4	3	0	3	--
SW QUADRANT - INTERSECTION	134	101	0	101	--
SUBTOTAL	415	312	0	312	658
NW QUADRANT - COLLEGE AVE.	3	2	15	-13	--
NW QUADRANT - TOWANDA AVE	58	44	2	42	--
NW QUADRANT - INTERSECTION	46	35	49	-14	--
SUBTOTAL	107	81	66	15	492
SE QUADRANT - COLLEGE AVE.	7	5	0	5	--
SE QUADRANT - TOWANDA AVE	222	167	10	157	--
SE QUADRANT - INTERSECTION	142	107	3	104	--
SUBTOTAL	371	279	13	266	348
NE QUADRANT - COLLEGE AVE.	33	25	1	24	--
NE QUADRANT - TOWANDA AVE	2	2	0	2	--
NE QUADRANT - INTERSECTION	60	45	1	44	--
SUBTOTAL	95	72	2	70	242
MEDIAN - INTERSECTION	8	6	0	6	--
MEDIAN - TOWANDA AVE.	25	19	0	19	--
SUBTOTAL	33	25	0	25	0
GRAND TOTALS	1,021	769	81	688	1,740

- NOTES**
- THE INDICATED EARTHWORK VOLUMES ARE ESTIMATES BASED ON THE "AVERAGE END AREA" METHOD OF CALCULATION. EARTHWORK VOLUMES WILL VARY WITH ACTUAL SOIL CONDITIONS ENCOUNTERED DURING CONSTRUCTION. THESE ESTIMATES ARE PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR ONLY AND SHOULD BE CONSIDERED APPROXIMATE. ACTUAL VOLUMES OF EARTH EXCAVATION AND EMBANKMENT WILL BE PAID FOR IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
 - THE EMBANKMENT QUANTITIES DO NOT ACCOUNT FOR SHRINKAGE FACTORS. A 25% SHRINKAGE FACTOR HAS BEEN APPLIED TO THE EARTH EXCAVATION QUANTITIES.
 - EXCESS EARTH MATERIALS FROM SEWER TRENCHES AND EXCAVATIONS FOR STRUCTURES AND TRAFFIC SIGNAL EQUIPMENT SHALL BE USED TO COMPENSATE FOR EMBANKMENT SHORTAGES. EXCESS EARTH MATERIAL SHALL BE DISPOSED OF OFF-SITE BY THE CONTRACTOR. THE COST OF DISPOSING OF EXCESS EARTH MATERIAL WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

25200100 SODDING

STATION	TO STATION	SQ YD
SOUTHWEST QUADRANT		
196+58 RT.	398+89 LT.	656
NORTHWEST QUADRANT		
198+87 LT.	404+17 LT.	490
SOUTHEAST QUADRANT		
396+47 RT.	201+14 RT.	348
NORTHEAST QUADRANT		
401+00 LT.	202+65 LT.	242
TOTAL		1,736

25200200 SUPPLEMENTAL WATERING

STATION	TO STATION	UNITS
SOUTHWEST QUADRANT		
196+58 RT.	398+89 LT.	9.9
NORTHWEST QUADRANT		
198+87 LT.	404+17 LT.	7.4
SOUTHEAST QUADRANT		
396+47 RT.	201+14 RT.	5.2
NORTHEAST QUADRANT		
401+00 LT.	202+65 LT.	3.6
TOTAL		26.1

31101200 SUB-BASE GRANULAR MATERIAL, TYPE B 4"

STATION	TO STATION	SQ YD
SOUTHWEST QUADRANT		
196+58.3 RT.	398+89.2 LT.	518.0
NORTHWEST QUADRANT		
198+87.6 LT.	404+16.6 LT.	307.3
SOUTHEAST QUADRANT		
396+47.8 RT.	201+13.3 RT.	542.2
NORTHEAST QUADRANT		
400+99.6 RT.	202+64.9 LT.	208.1
MEDIAN		
199+41.3 CL.	199+63.1 CL.	14.5
399+29.2 CL.	399+62.4 CL.	22.2
400+38.0 CL.	400+64.2 CL.	16.7
200+36.5 CL.	200+64.6 CL.	18.1
395+53.3 CL.	397+58.4 CL.	225.0
TOTAL		1,872.1

40800050 INCIDENTAL HOT-MIX ASPHALT SURFACING

STATION	TO STATION	TONS
SOUTHEAST QUADRANT		
399+01.7 RT.	201+05.0 RT.	20.3
396+66.8 RT.	397+13.8 RT.	11.0
397+48.5 RT.	398+32.6 RT.	19.9
TOTAL		51.2

42000301 PORTLAND CEMENT CONCRETE PAVEMENT 8" (JOINTED)

STATION	TO STATION	SQ YD
SOUTHWEST QUADRANT		
196+58.3 RT.	398+89.2 LT.	377.0
NORTHWEST QUADRANT		
198+87.6 LT.	404+16.6 LT.	78.8
SOUTHEAST QUADRANT		
396+47.8 RT.	201+13.3 RT.	397.3
NORTHEAST QUADRANT		
400+99.6 RT.	202+64.9 LT.	72.0
MEDIAN		
199+48.9 CL.	199+63.1 CL.	9.4
399+36.8 CL.	399+62.6 CL.	17.1
400+38.0 CL.	400+64.2 CL.	11.6
200+36.5 CL.	200+64.6 CL.	13.1
395+53.3 CL.	397+58.4 CL.	225.0
TOTAL		1,201.3

42300400 PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH

STATION	TO STATION	SQ YD
COLLEGE AVE.		
198+01.0 RT. - C.E.		103.9
202+24.3 LT. - C.E.		55.6
TOWANDA AVE.		
397+31.1 RT. - C.E.		89.7
TOTAL		249.2

42400300 PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH

STATION	TO STATION	SQ FT
SOUTHWEST QUADRANT		
193+83.3 RT.	398+89.2 LT.	1,335.9
NORTHWEST QUADRANT		
198+97.6 LT.	401+01.4 LT.	467.6
SOUTHEAST QUADRANT		
396+67.1 RT.	201+13.3 RT.	1,393.9
NORTHEAST QUADRANT		
400+99.6 RT.	200+98.6 LT.	454.1
201+98.2 LT.	202+49.2 LT.	206.4
TOTAL		3,857.9

60604400 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18

STATION	TO STATION	FOOT
SOUTHWEST QUADRANT		
196+58.3 RT.	398+89.2 LT.	354.8
NORTHWEST QUADRANT		
198+87.6 LT.	400+91.4 LT.	112.8
SOUTHEAST QUADRANT		
396+47.8 RT.	201+13.3 RT.	364.1
NORTHEAST QUADRANT		
400+99.6 RT.	200+88.6 LT.	101.0
SOUTHEAST QUADRANT PARKING LOT		
397+01.0 RT.	397+11.6 RT.	36.0
397+52.1 RT.	398+32.6 RT.	92.6
399+01.7 RT.	201+05.0 RT.	81.3
TOTAL		1,142.6

60604800 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 (SPECIAL)

STATION	TO STATION	FOOT
NORTHWEST QUADRANT		
400+91.4 LT.	404+16.6 LT.	325.4
NORTHEAST QUADRANT		
200+88.6 LT.	202+64.9 LT.	176.4
TOTAL		501.8

60619600 CONCRETE MEDIAN, TYPE SB-6.12

STATION	TO STATION	SQ FT
199+41.3 CL.	199+48.9 CL.	45.6
200+57.0 CL.	200+64.6 CL.	45.3
399+29.2 CL.	399+36.8 CL.	45.4
400+56.6 CL.	400+64.2 CL.	46.2
TOTAL		182.5

FOR ADDITIONAL SCHEDULES OF QUANTITIES AND BILL OF MATERIALS SEE THE MAINTENANCE OF TRAFFIC PLANS, REMOVALS/RELOCATIONS PLANS, PLAN SHEETS, PAVEMENT MARKING PLANS, TRAFFIC SIGNAL PLANS, AND INTERCONNECT PLANS.

ILLINOIS DEPARTMENT OF TRANSPORTATION

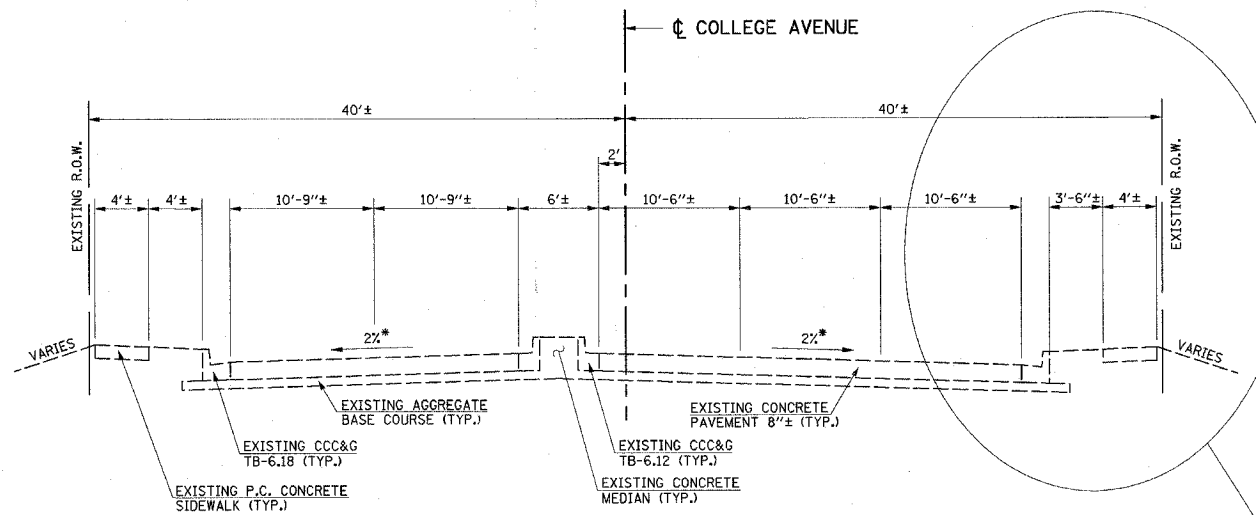
SCHEDULE OF QUANTITIES

SCALE : NONE
DATE : 3-07
DRAWN BY : S.M.W.
CHECKED BY : J.T.P.

NOTES

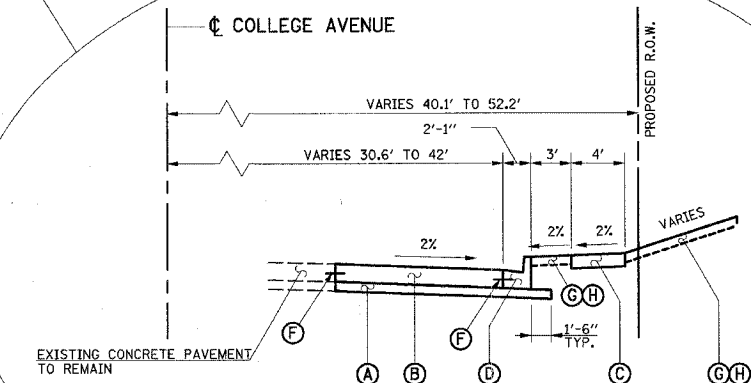
- THE EXISTING PAVEMENT TYPES AND THICKNESSES REPRESENT THE BEST AVAILABLE INFORMATION. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PAVEMENT REMOVAL ITEMS DUE TO VARIATIONS IN PAVEMENT TYPES, THICKNESSES OR AMOUNTS OF REINFORCEMENT. ADJUSTMENT OF QUANTITIES WILL NOT BE ALLOWED AS SPECIFIED IN ARTICLE 440.07 OF THE STANDARD SPECIFICATIONS.
- THE COMBINATION CONCRETE CURB AND GUTTER ADJACENT TO NARROW PAVEMENT WIDENING SHALL BE POURED MONOLITHIC WITH THE P.C. CONCRETE PAVEMENT. THE COST OF THE CURB AND GUTTER, INCLUDING THE ADDITIONAL WIDTH, SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR COMBINATION CURB AND GUTTER, TYPE B-6.18 (SPECIAL).
- THE COMBINATION CURB AND GUTTER MAY BE POURED MONOLITHIC WITH THE P.C. CONCRETE PAVEMENT. THE TIE BARS BETWEEN THE PAVEMENT AND THE CURB AND GUTTER WILL NOT BE REQUIRED WHEN CONSTRUCTING MONOLITHICALLY.
- SAWED TRANSVERSE CONTRACTION JOINTS SHALL BE PLACED AT 15' CENTERS IN THE P.C. CONCRETE PAVEMENT OR AS DIRECTED BY THE ENGINEER (STD. 420001). ALL TRANSVERSE CONTRACTION JOINTS IN THE PAVEMENT MUST EXTEND THROUGH THE CURB AND GUTTER. 1/2" DIAMETER DOWEL BARS, 18" LONG AT 12" CENTERS SHALL BE CENTERED ACROSS THE CONTRACTION JOINTS.
- ALL SAWED JOINTS IN THE PAVEMENT AND CURB AND GUTTER SHALL BE SEALED WITH A JOINT SEALER MEETING THE REQUIREMENTS OF ARTICLE 606.06.
- WHEN LONGITUDINAL CONSTRUCTION JOINTS ARE CONSTRUCTED IN THE PAVEMENT THE JOINTS SHALL BE TIED WITH NO. 6, 24" LONG EPOXY COATED TIE BARS SPACED AT 24" CENTERS AS SHOWN ON STD. 420001. THE COST OF FURNISHING AND INSTALLING THE BARS, INCLUDING ALL REQUIRED DRILLING AND GROUTING, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE VARIOUS CURB AND GUTTER AND/OR PAVEMENT PAY ITEMS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- SEE STANDARD 420111 FOR CONSTRUCTION DETAILS WHERE INLETS OR MANHOLES ARE LOCATED WITHIN THE PAVEMENT AREA.
- THE CONTRACTOR WILL BE REQUIRED TO SAW CUT AND REMOVE THE EXISTING EDGE OF PAVEMENT AS SHOWN ON THE TYPICAL SECTION TO PROVIDE A CLEAN VERTICAL EDGE. THE SAW CUTTING AND REMOVAL OF THE EDGE OF PAVEMENT WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE OF THE VARIOUS PAVEMENT PAY ITEMS.
- AT THE STUB LOCATIONS SHOWN ON THE PLAN AND/OR INTERSECTION DETAIL SHEETS, THE COST OF ADDITIONAL GUTTER FLAG WIDTH WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR P.C. CONCRETE PAVEMENT.
- THE FINISHED EARTHWORK SHALL HAVE VEGETATIVE SUSTAINING SOIL COVERING THE TOP 4" OF AREAS TO BE SODDED. THE FURNISHED TOPSOIL SHALL MEET THE REQUIREMENTS OF ARTICLE 108.05 OF THE STANDARD SPECIFICATIONS OR BE APPROVED BY THE ENGINEER. THE VEGETATIVE SUSTAINING SOIL REQUIRED WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR TOPSOIL FURNISH AND PLACE, 4".
- ALL EXPOSED EARTH AREAS SHALL BE SODDED IN ACCORDANCE WITH SECTIONS 252 OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS.

* TYPICAL CROSS SLOPE DOES NOT REFLECT ANY TRANSITION NEAR THE INTERSECTION



EXISTING TYPICAL CROSS SECTION COLLEGE AVENUE

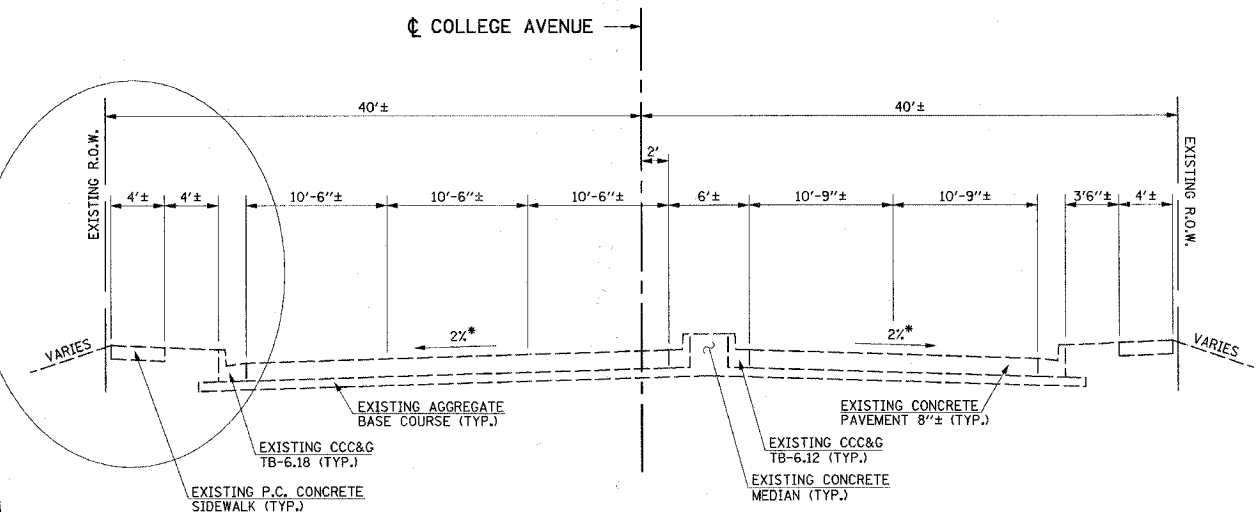
COLLEGE AVE. STA. 197+61 TO STA. 199+61
INTERSECTION STA. 199+61 TO 200+38 OMITTED



PROPOSED TYPICAL CROSS SECTION COLLEGE AVENUE

COLLEGE AVE. STA. 196+68.58 RT. TO STA. 199+11.41 RT.
INTERSECTION STA. 199+11.41 RT. TO 200+03.32 RT. OMITTED

* TYPICAL CROSS SLOPE DOES NOT REFLECT ANY TRANSITION NEAR THE INTERSECTION



EXISTING TYPICAL CROSS SECTION COLLEGE AVENUE

INTERSECTION STA. 199+61 TO 200+38 OMITTED
COLLEGE AVE. STA. 200+38 TO STA. 202+38

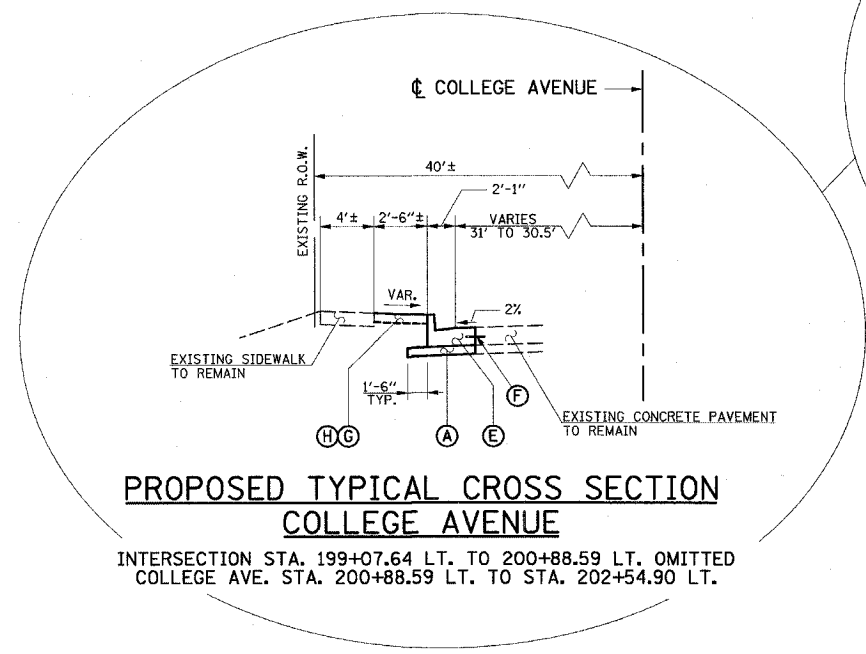
PROPOSED TYPICAL SECTION KEY

- (A) SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- (B) PORTLAND CEMENT CONCRETE PAVEMENT, 8" (JOINTED)
- (C) P.C. CONCRETE SIDEWALK, 6 INCH
- (D) COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.18 (STD. 606001)
- (E) COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.18 SPECIAL
- (F) LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 X 24 EPOXY COATED TIE BARS AT 24" CENTERS (STD 420001)
- (G) TOPSOIL, 4"
- (H) SODDING

HOT-MIX ASPHALT MIXTURE REQUIREMENTS TABLE

LOCATION	SE QUADRANT
MIXTURE USE:	INCIDENTAL HOT-MIX ASPHALT
AC/PG	PG 64-22
RAP % (MAX)	15
DESIGN AIR VOIDS	4.0% @ NDES = 50
MIXTURE COMPOSITION (GRADATION)	IL 9.5
FRICITION AGGREGATE	MIXTURE C

NOTE: IF AN ANTI-STRIPPING ADDITIVE IS REQUIRED FOR ANY BITUMINOUS MIXTURE, THE COST OF THE ADDITIVE WILL NOT BE PAID FOR SEPARATELY AS DESCRIBED IN ARTICLE 406.24 OF THE STANDARD SPECIFICATIONS. IF THE CONTRACTOR ANTICIPATES THAT AN ADDITIVE WILL BE NEEDED, THE COST SHOULD BE INCLUDED IN THE UNIT BID PRICE.



PROPOSED TYPICAL CROSS SECTION COLLEGE AVENUE

INTERSECTION STA. 199+07.64 LT. TO 200+88.59 LT. OMITTED
COLLEGE AVE. STA. 200+88.59 LT. TO STA. 202+54.90 LT.

SEE PLAN SHEETS AND HORIZONTAL ALIGNMENT AND CONTROL SHEET FOR EXACT LOCATIONS OF EDGES OF PAVEMENTS, CURBS AND GUTTERS, SIDEWALKS, RIGHT-OF-WAY LINES, AND EASEMENT LINES. SEE CROSS SECTIONS FOR EXACT SIDE SLOPE RATIOS.

ILLINOIS DEPARTMENT OF TRANSPORTATION

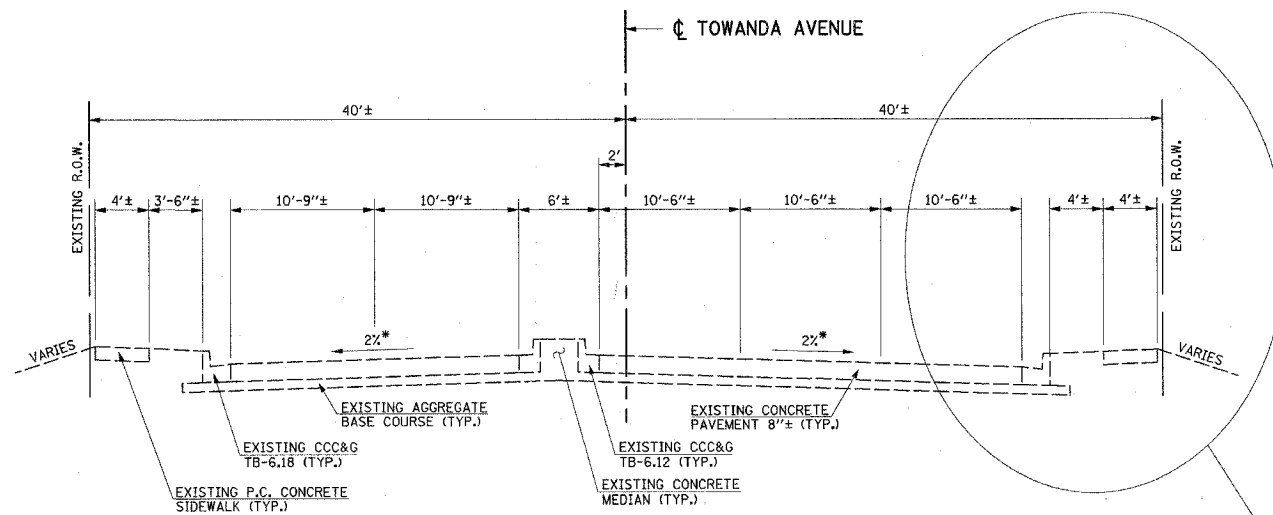
TYPICAL SECTIONS COLLEGE AVENUE

DATE : 3-07
DRAWN BY : S.M.W.
CHECKED BY : J.T.P.
SCALE : NONE

F.A.U. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6352 02-00218-00-SP	MCLEAN	35	8
6412			
STA.	TO STA.	ILLINOIS FED. AID PROJECT	

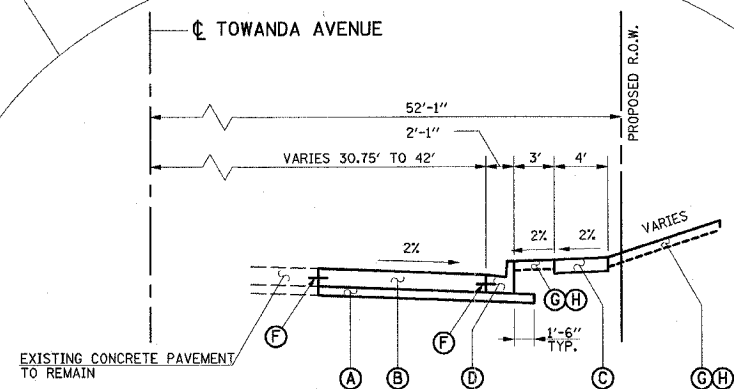
CONTRACT NO. 91363

* TYPICAL CROSS SLOPE DOES NOT REFLECT ANY TRANSITION NEAR THE INTERSECTION



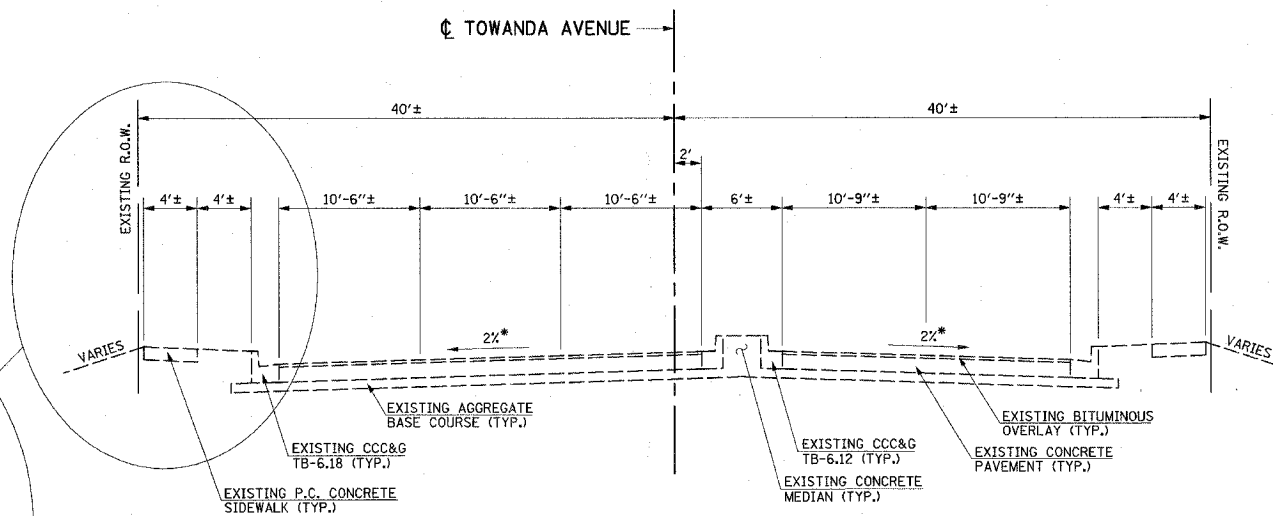
**EXISTING TYPICAL CROSS SECTION
TOWANDA AVENUE**

COLLEGE AVE. STA. 397+59 TO STA. 399+61
INTERSECTION STA. 399+61 TO 400+39 OMITTED



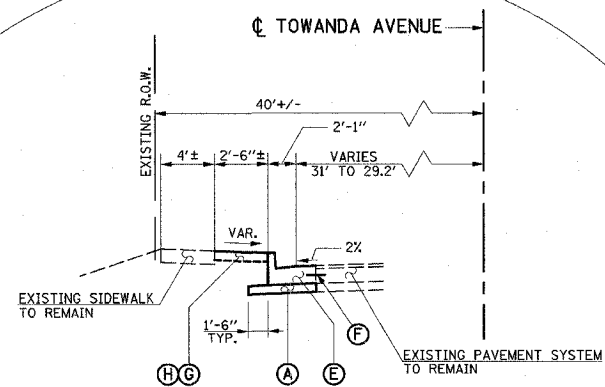
**PROPOSED TYPICAL CROSS SECTION
TOWANDA AVENUE**

TOWANDA AVE. STA. 396+57.78 RT. TO STA. 399+08.52 RT.
INTERSECTION STA. 399+08.52 RT. TO 400+89.61 RT. OMITTED



**EXISTING TYPICAL CROSS SECTION
TOWANDA AVENUE**

INTERSECTION STA. 399+61 TO 400+39 OMITTED
COLLEGE AVE. STA. 400+39 TO STA. 401+94



**PROPOSED TYPICAL CROSS SECTION
TOWANDA AVENUE**

INTERSECTION STA. 398+99.24 LT. TO 400+91.38 LT. OMITTED
TOWANDA AVE. STA. 400+91.38 LT. TO STA. 404+06.55 LT.

PROPOSED TYPICAL SECTION KEY

- (A) SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- (B) PORTLAND CEMENT CONCRETE PAVEMENT, 8" (JOINTED)
- (C) P.C. CONCRETE SIDEWALK, 6 INCH
- (D) COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.18 (STD. 606001)
- (E) COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.18 SPECIAL
- (F) LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 X 24 EPOXY COATED TIE BARS AT 24" CENTERS (STD 420001)
- (G) TOPSOIL, 4"
- (H) SODDING

SEE PLAN SHEETS AND HORIZONTAL ALIGNMENT AND CONTROL SHEET FOR EXACT LOCATIONS OF EDGES OF PAVEMENTS, CURBS AND GUTTERS, SIDEWALKS, RIGHT-OF-WAY LINES, AND EASEMENT LINES. SEE CROSS SECTIONS FOR EXACT SIDE SLOPE RATIOS.

ILLINOIS DEPARTMENT OF TRANSPORTATION

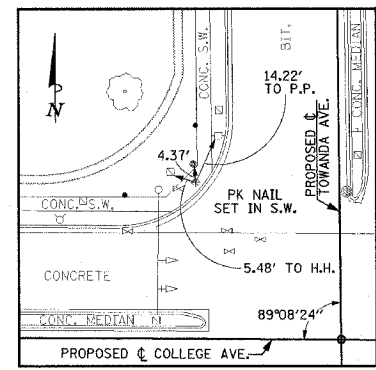
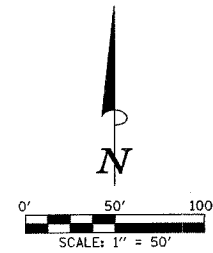
**TYPICAL SECTIONS
TOWANDA AVENUE**

SCALE : NONE

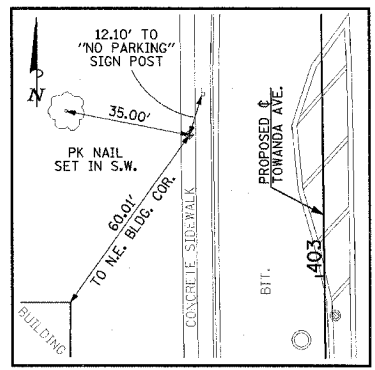
DATE : 3-07
DRAWN BY : S.M.W.
CHECKED BY : J.T.P.

F.A.U. RTE. 6352 6412	SECTION 02-00218-00-SP	COUNTY MCLEAN	TOTAL SHEETS 35	SHEET NO. 9
STA. TO STA.		ILLINOIS FED. AID PROJECT		

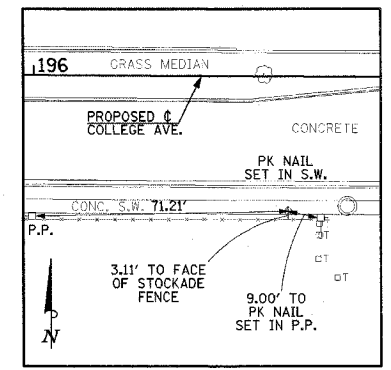
CONTRACT NO. 91363



TIES TO CONTROL POINT "DC1"
LOCAL COORDINATES:
N 5000.000
E 10000.000



TIES TO CONTROL POINT "DC2"
LOCAL COORDINATES:
N 5295.131
E 10000.000



TIES TO CONTROL POINT "DC3"
LOCAL COORDINATES:
N 4920.154
E 9711.693

**END IMPROVEMENTS
TOWANDA AVE.
STA. 404+16.55
(MATCH EXISTING)**

LEGEND

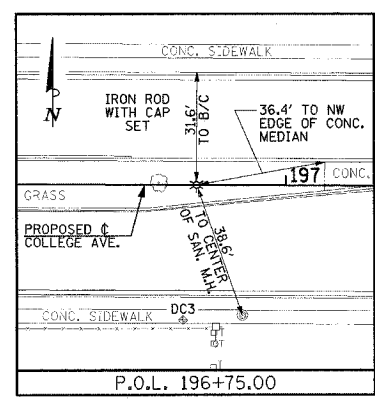
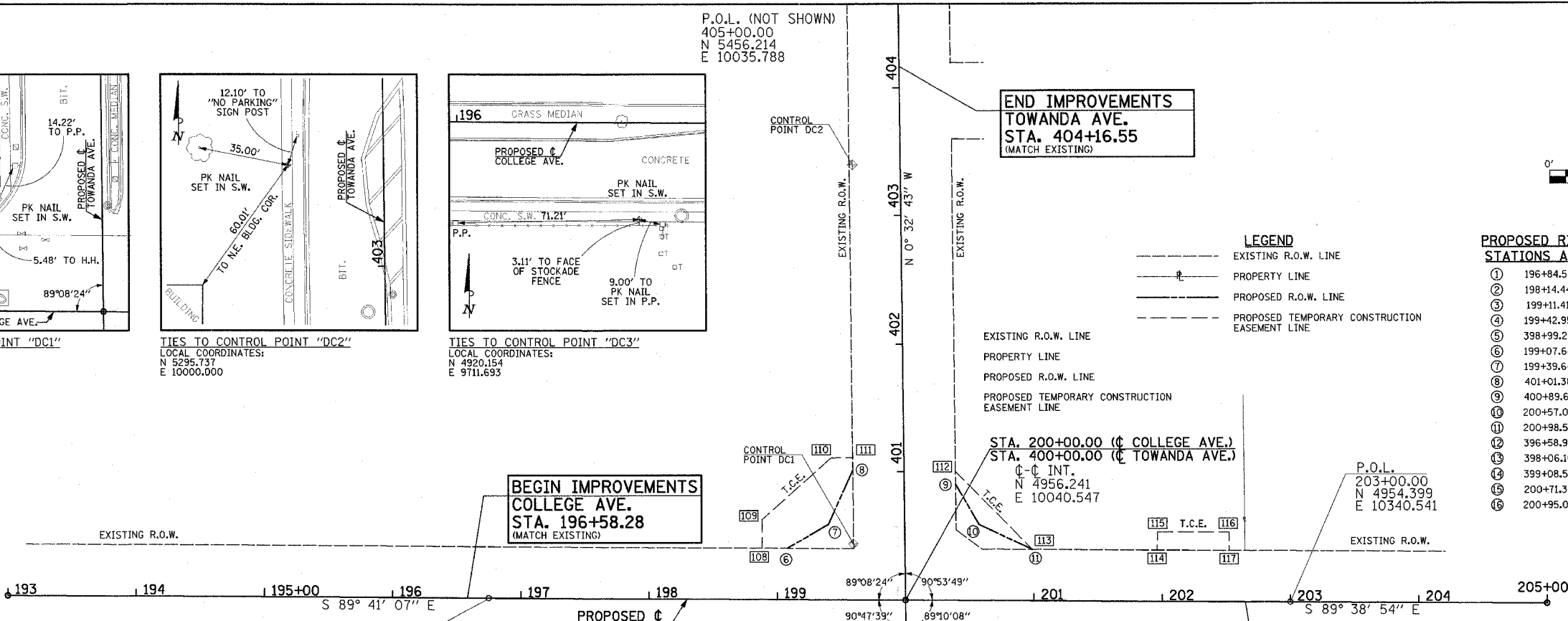
- EXISTING R.O.W. LINE
- - - PROPERTY LINE
- PROPOSED R.O.W. LINE
- - - PROPOSED TEMPORARY CONSTRUCTION EASEMENT LINE

PROPOSED RIGHT-OF-WAY STATIONS AND OFFSETS

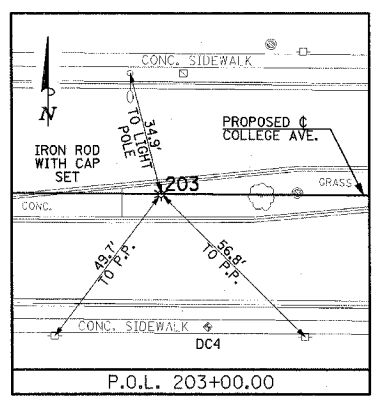
1	196+84.51	40.06' RT.
2	198+14.44	52.12' RT.
3	199+11.41	52.17' RT.
4	199+42.95	70.12' RT.
5	398+99.24	39.92' LT.
6	199+07.64	39.83' LT.
7	199+39.64	58.48' LT.
8	401+01.38	40.00' LT.
9	400+89.61	40.00' RT.
10	200+57.07	59.00' LT.
11	200+98.59	39.84' LT.
12	396+58.92	39.84' RT.
13	398+06.16	51.98' RT.
14	399+08.52	52.09' RT.
15	200+71.33	58.47' RT.
16	200+95.03	40.16' RT.

TEMPORARY CONSTRUCTION EASEMENT STATIONS AND OFFSETS

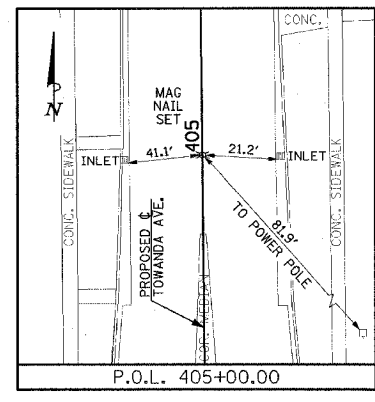
100	196+79.91	63.00' RT.
101	197+79.00	63.00' RT.
102	197+79.00	87.00' RT.
103	198+23.00	87.00' RT.
104	198+23.00	63.00' RT.
105	199+11.40	63.00' RT.
106	398+89.00	50.00' LT.
107	398+89.00	39.93' LT.
108	198+88.00	39.84' LT.
109	198+88.00	62.00' LT.
110	401+11.00	57.00' LT.
111	401+11.00	40.00' LT.
112	400+99.60	40.00' RT.
113	200+98.59	39.84' LT.
114	201+96.00	39.85' LT.
115	201+96.00	54.00' LT.
116	202+52.00	54.00' LT.
117	202+52.00	39.86' LT.
118	396+58.92	39.84' RT.
119	396+58.92	81.00' RT.
120	399+08.00	81.00' RT.
121	399+08.00	114.68' RT.
122	201+16.00	40.16' RT.



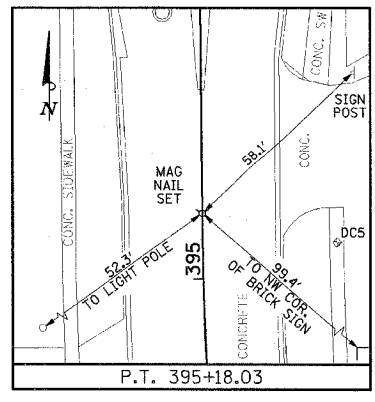
P.O.L. 196+75.00



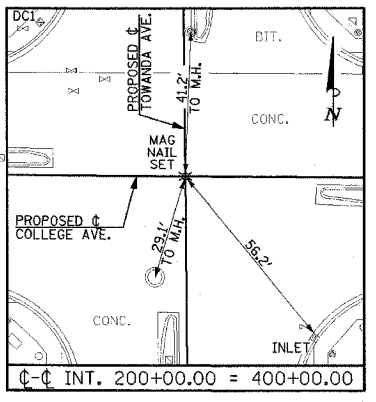
P.O.L. 203+00.00



P.O.L. 405+00.00



P.T. 395+18.03

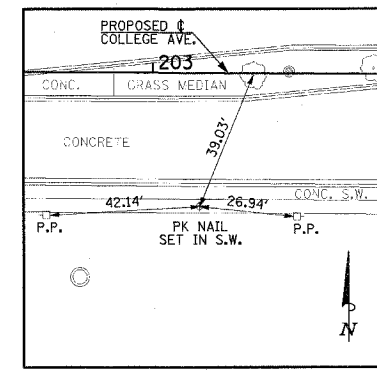


CC INT. 200+00.00 = 400+00.00

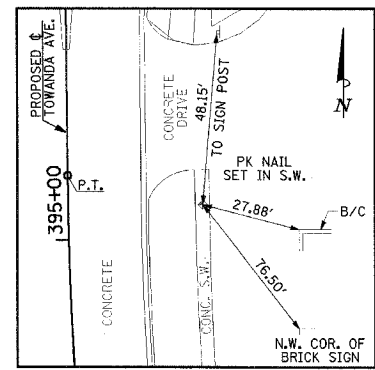
PROP. CURVE TOWANDA-1
PI STA. = 394+57.16
Δ = 6° 59' 00" (RT)
D = 5° 43' 46"
R = 1,000.00'
T = 61.02'
L = 121.88'
E = 1.86'
P.C. STA = 393+96.15
P.T. STA = 395+18.03

**BEGIN IMPROVEMENTS
TOWANDA AVE.
STA. 395+53.26
(MATCH EXISTING)**

**END IMPROVEMENTS
COLLEGE AVE.
STA. 202+64.90
(MATCH EXISTING)**



TIES TO CONTROL POINT "DC4"
LOCAL COORDINATES:
N 4917.101
E 10353.579



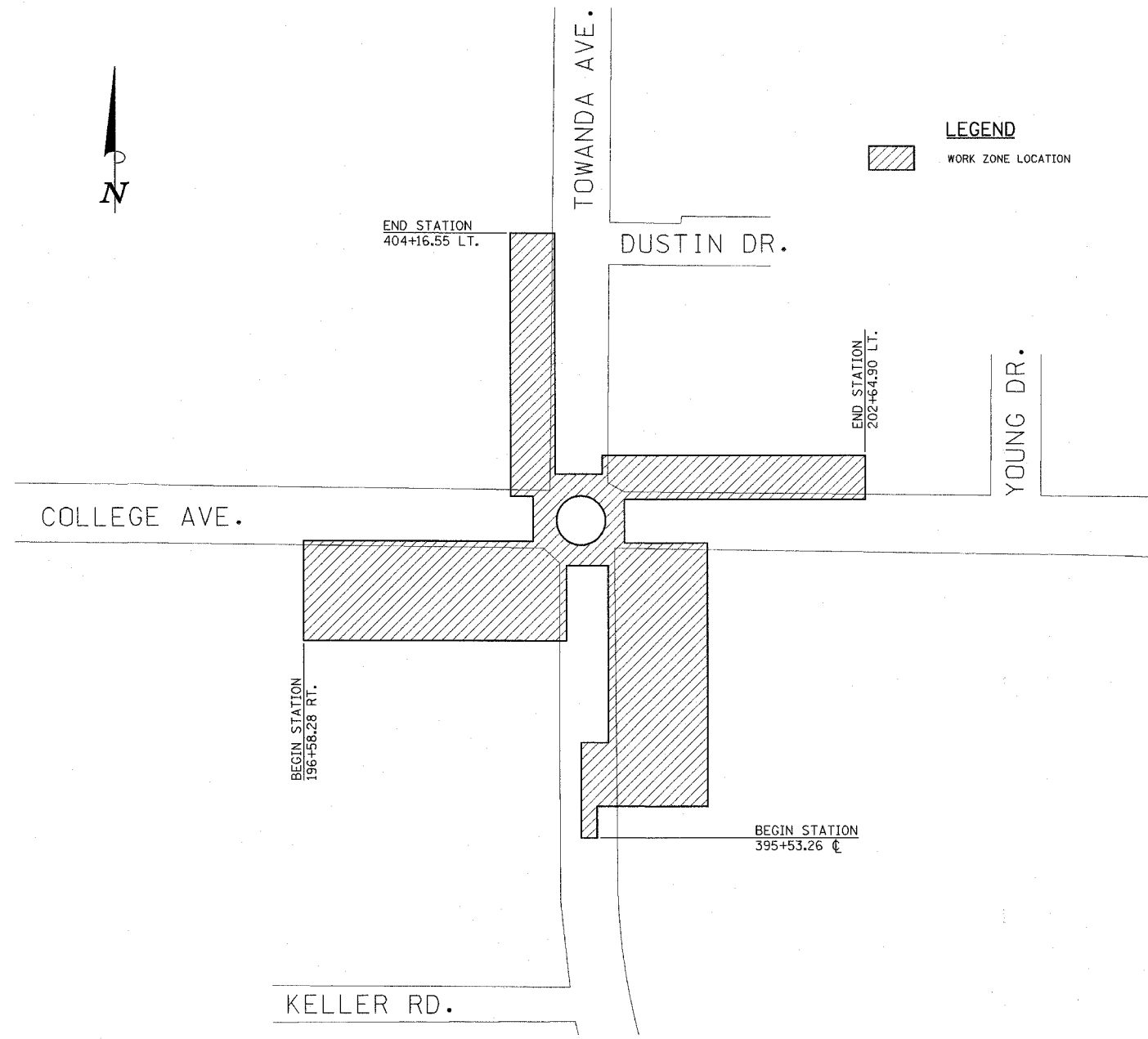
TIES TO CONTROL POINT "DC5"
LOCAL COORDINATES:
N 4466.238
E 10082.359

ILLINOIS DEPARTMENT OF TRANSPORTATION
**HORIZONTAL ALIGNMENT LAYOUT
AND CONTROL**

SCALE: 1"=50'
DATE: 3-07
DRAWN BY: S.M.W.
CHECKED BY: J.T.P.

F.A.U. RT. 6352 6412	SECTION 02-00218-00-SP	COUNTY MCLEAN	TOTAL SHEETS 35	SHEET NO. 10
STA.		TO STA.		
ILLINOIS FED. AID PROJECT				

CONTRACT NO. 91363



LEGEND

WORK ZONE LOCATION

TRAFFIC CONTROL GENERAL NOTES

1. TRAFFIC CONTROL AND PROTECTION AS DETAILED HEREIN WILL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR "TRAFFIC CONTROL COMPLETE".
2. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE APPLICABLE ARTICLES OF THE STANDARD SPECIFICATIONS, THE APPLICABLE GUIDELINES CONTAINED IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", THE SPECIAL PROVISIONS, THESE PLANS AND HIGHWAY STANDARDS 701701, 701801, AND 702001.
3. FLASHERS SHALL BE PLACED ON ALL TYPE III BARRICADES.
4. TRAFFIC CONTROL DEVICES SHALL BE INSTALLED THREE DAYS PRIOR TO CONSTRUCTION AND SHALL BE MAINTAINED FOR THE DURATION OF CONSTRUCTION.
5. THE CONTRACTOR SHALL MAINTAIN AT LEAST ONE POINT OF ACCESS TO COMMERCIAL PROPERTIES AT ALL TIMES.
6. TRAFFIC CONTROL DEVICES SHALL REMAIN IN PLACE UNTIL ALL SECTIONS OF THE ROADWAY ARE SUBSTANTIALLY COMPLETE. TRAFFIC CONTROL DEVICES SHALL THEN BE REMOVED AS DIRECTED BY THE ENGINEER.
7. THE CONTRACTOR MAY RESTRICT PEDESTRIAN ACCESS TO THE PROJECT SITE DURING WORKING HOURS BY UTILIZING HIGHWAY STANDARD 701801. DURING NON-WORKING HOURS THE CONTRACTOR SHALL ALLOW FOR PEDESTRIAN ACCESS THROUGH THE PROJECT SITE BY CONSTRUCTING TEMPORARY AGGREGATE SIDEWALKS AT LEAST THREE FEET WIDE AT LOCATIONS WHERE EXISTING SIDEWALKS HAVE BEEN REMOVED OR AS DIRECTED BY THE ENGINEER. SEE SPECIAL PROVISIONS.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR BAGGING ANY EXISTING, TEMPORARY, OR PROPOSED TRAFFIC SIGNAL/PEDESTRIAN SIGNAL HEAD THAT CONFLICTS WITH THE TRAFFIC CONTROL PLAN OR AS DIRECTED BY THE ENGINEER. THE METHOD OF BAGGING SHALL BE APPROVED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE FOR TRAFFIC CONTROL COMPLETE.

SEQUENCE OF CONSTRUCTION

1. PRIOR TO THE START OF CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A TRAFFIC CONTROL PLAN AND SEQUENCE OF CONSTRUCTION OPERATIONS FOR APPROVAL. NO DEVIATIONS FROM THE APPROVED PLAN WILL BE PERMITTED WITHOUT WRITTEN PERMISSION OF THE ENGINEER.

THE FOLLOWING IS A SUGGESTED SEQUENCE OF CONSTRUCTION:

- INSTALL TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE APPLICABLE STANDARDS.
- INSTALL TEMPORARY TRAFFIC SIGNALS.
- PERFORM REMOVAL AND RELOCATION OPERATIONS.
- CONSTRUCT IMPROVEMENTS WITHIN PROJECT LIMITS.
- REMOVE TRAFFIC CONTROL DEVICES, TEMPORARY SIGNALS AND RESUME NORMAL ROADWAY OPERATIONS.
- PERFORM SODDING & PAVEMENT MARKING OPERATIONS UNDER TRAFFIC USING TEMPORARY TRAFFIC CONTROL OR BY OTHER MEANS APPROVED BY THE ENGINEER.
- PERFORM FINAL CLEANUP

2. THE CONTRACTOR SHALL PERFORM CONSTRUCTION OPERATIONS IN ACCORDANCE WITH SECTION 701 OF THE STANDARD SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

IN ADDITION, THE CONTRACTOR SHALL LIMIT OPERATIONS TO ONE QUADRANT AT ALL TIMES. IT IS THE INTENT OF THE TOWN TO LIMIT INCONVENIENCE TO PRIVATE PROPERTY OWNERS, THE MOTORING PUBLIC, AND PEDESTRIAN TRAFFIC THROUGHOUT THE DURATION OF THE PROJECT. THE CONTRACTOR, WITH THE APPROVAL OF THE ENGINEER, MAY EXPAND OPERATIONS TO MULTIPLE QUADRANTS TO AID THE IN CONSTRUCTION OF THE TEMPORARY AND/OR PROPOSED TRAFFIC SIGNALS.

TRAFFIC CONTROL STANDARDS

THE FOLLOWING TRAFFIC CONTROL STANDARDS ARE THE MINIMUM REQUIREMENTS FOR THE TRAFFIC CONTROL FOR THIS PROJECT:

STANDARD	APPLICATION
701701	STAGE CONSTRUCTION WITHIN PROXIMITY OF PROJECT LIMITS.
701801	SIDEWALK CLOSURES WITHIN PROJECT LIMITS.
702001	TRAFFIC CONTROL DEVICES.

WORK ZONE LOCATIONS

NO SCALE

THE WORK ZONE LOCATIONS AS SHOWN ARE FOR INFORMATION PURPOSES ONLY. SEE TRAFFIC CONTROL GENERAL NOTES, SEQUENCE OF CONSTRUCTION, TRAFFIC CONTROL STANDARDS, AND SPECIAL PROVISIONS FOR MORE INFORMATION.

SEE TYPICAL SECTION SHEETS AND PLAN SHEETS FOR EXACT LOCATIONS OF EDGES OF PAVEMENTS, CURBS AND GUTTERS, SIDEWALKS, RIGHT-OF-WAY LINES, AND EASEMENT LINES.

ILLINOIS DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PLAN

DATE : 3-07
DRAWN BY : S.M.W.
CHECKED BY : J.T.P.

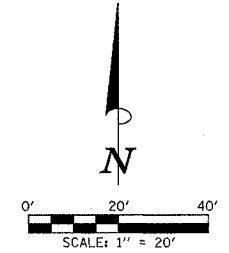
SCALE : NONE

LOCATION	PAVEMENT REM (SQ YD)	DRIVE PAVEMENT REM (SQ YD)	SIDEWALK REM (SQ FT)	COMBO CURB GUTTER REM (FOOT)	MEDIAN REM (SQ FT)
196+58.3 RT. TO 398+89.2 LT.				379.0	
196+83.3 RT. TO 398+89.2 LT.			1396.1		
198+01.0 RT. - C.E.		136.8			
198+87.6 LT. TO 404+16.6 LT.				453.0	
198+97.6 LT. TO 401+01.4 LT.			499.1		
199+41.3 LT. TO 199+61.6 LT.				43.5	57.2
399+29.2 LT. TO 399+61.1 LT.				67.0	94.6
400+39.4 RT. TO 400+64.2 RT.				53.1	69.6
200+38.4 RT. TO 200+64.6 RT.				55.2	72.6
400+99.6 RT. TO 202+64.9 LT.				291.3	
400+99.6 RT. TO 202+98.6 LT.			475.4		
201+98.2 LT. TO 202+49.2 LT.			206.4		
202+24.31 LT. - C.E.		62.2			
396+47.7 RT. TO 201+13.3 RT.				389.7	
396+67.1 RT. TO 201+13.3 RT.			1423.5		
399+01.2 RT. TO 201+05.2 RT.	108.1*			154.2*	

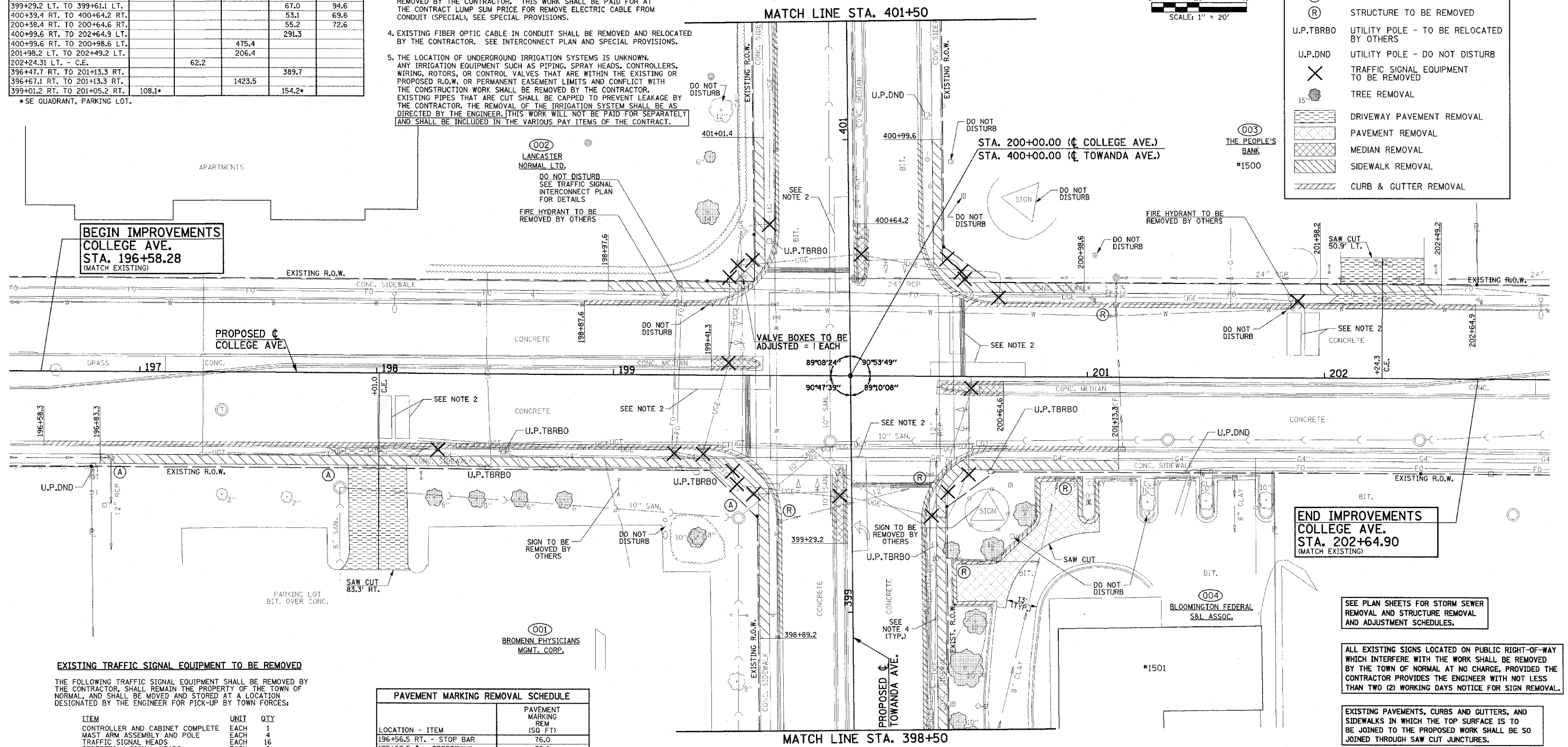
* SE QUADRANT, PARKING LOT.

REMOVAL AND RELOCATION NOTES:

- THE CONTRACTOR WILL BE REQUIRED TO SAW CUT AND REMOVE THE EXISTING PAVEMENT AS DIRECTED BY THE ENGINEER AND AS SHOWN ON THE TYPICAL SECTION TO PROVIDE A CLEAN VERTICAL EDGE IF NO LONGITUDINAL JOINT IS VISIBLE. THE SAW CUTTING OF THE PAVEMENT WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE OF THE VARIOUS REMOVAL PAY ITEMS.
- EXISTING TRAFFIC SIGNAL DETECTOR LOOPS SHALL BE DISABLED AND ABANDONED BY THE CONTRACTOR. SEE SPECIAL PROVISIONS.
- EXISTING TRAFFIC SIGNAL ELECTRIC CABLE IN CONDUIT SHALL BE REMOVED BY THE CONTRACTOR. THIS WORK SHALL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR REMOVE ELECTRIC CABLE FROM CONDUIT (SPECIAL), SEE SPECIAL PROVISIONS.
- EXISTING FIBER OPTIC CABLE IN CONDUIT SHALL BE REMOVED AND RELOCATED BY THE CONTRACTOR. SEE INTERCONNECT PLAN AND SPECIAL PROVISIONS.
- THE LOCATION OF UNDERGROUND IRRIGATION SYSTEMS IS UNKNOWN. ANY IRRIGATION EQUIPMENT SUCH AS PIPING, SPRAY HEADS, CONTROLLERS, WIRING, ROTORS, OR CONTROL VALVES THAT ARE WITHIN THE EXISTING OR PROPOSED R.O.W. OR PERMANENT EASEMENT LIMITS AND CONFLICT WITH THE CONSTRUCTION WORK SHALL BE REMOVED BY THE CONTRACTOR. EXISTING PIPES THAT ARE CUT SHALL BE CAPPED TO PREVENT LEAKAGE BY THE CONTRACTOR. THE REMOVAL OF THE IRRIGATION SYSTEM SHALL BE AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN THE VARIOUS PAY ITEMS OF THE CONTRACT.



(A)	STRUCTURE TO BE ADJUSTED
(R)	STRUCTURE TO BE REMOVED
U.P.TBRBO	UTILITY POLE - TO BE RELOCATED BY OTHERS
U.P.DND	UTILITY POLE - DO NOT DISTURB
X	TRAFFIC SIGNAL EQUIPMENT TO BE REMOVED
15'	TREE REMOVAL
(Hatched pattern)	DRIVEWAY PAVEMENT REMOVAL
(Dotted pattern)	PAVEMENT REMOVAL
(Cross-hatched pattern)	MEDIAN REMOVAL
(Diagonal lines)	SIDEWALK REMOVAL
(Double diagonal lines)	CURB & GUTTER REMOVAL



EXISTING TRAFFIC SIGNAL EQUIPMENT TO BE REMOVED

THE FOLLOWING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE TOWN OF NORMAL, AND SHALL BE MOVED AND STORED AT A LOCATION DESIGNATED BY THE ENGINEER FOR PICK-UP BY TOWN FORCES:

ITEM	UNIT	QTY
CONTROLLER AND CABINET COMPLETE	EACH	1
MAST ARM ASSEMBLY AND POLE	EACH	4
TRAFFIC SIGNAL HEADS	EACH	16
PEDESTRIAN SIGNAL HEADS	EACH	8

THE FOLLOWING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF PER THE RESPECTIVE CONTRACT PAY ITEMS:

ITEM	UNIT	QTY
CONCRETE FOUNDATION	EACH	9
HANDHOLES	EACH	11
JUNCTION BOXES	EACH	4
ELECTRIC CABLE (SEE NOTES 3 AND 4)	L SUM	1

PAVEMENT MARKING REMOVAL SCHEDULE

LOCATION - ITEM	PAVEMENT MARKING REM (SQ FT)
196+56.5 RT. - STOP BAR	76.0
199+60.5 C - CROSSWALK	38.0
199+66.5 C - CROSSWALK	35.5
200+38.0 C - CROSSWALK	35.5
200+44.0 C - CROSSWALK	35.0
200+47.5 LT. - STOP BAR	66.0
399+31.7 - LT. TURN ARROW	15.6
399+54 RT. - STOP BAR	68.0
399+57.5 C - CROSSWALK	36.5
399+63.5 C - CROSSWALK	36.0
400+35.5 C - CROSSWALK	36.0
400+41.5 C - CROSSWALK	37.0
400+44.5 LT. - STOP BAR	70.0

TREE REMOVAL (6 TO 15 UNITS DIAMETER)

STATION	OFFSET	UNIT	STATION	OFFSET	UNIT
198+24.4	52.3' RT.	8	400+93.3	58.3' LT.	6
198+42.4	52.7' RT.	8	398+53.7	44.0' RT.	10
198+60.4	52.5' RT.	6	398+95.7	51.6' RT.	12
198+79.3	52.9' RT.	6	200+42.9	73.6' RT.	10
199+34.9	69.2' RT.	10	200+60.3	73.1' RT.	12
199+35.8	68.1' RT.	8	200+74.2	58.1' RT.	12
400+69.9	59.6' LT.	14	201+00.7	52.9' RT.	STUMP

TREE REMOVAL (OVER 15 UNITS DIAMETER)

STATION	OFFSET	UNIT
398+76.1	47.3' RT.	20

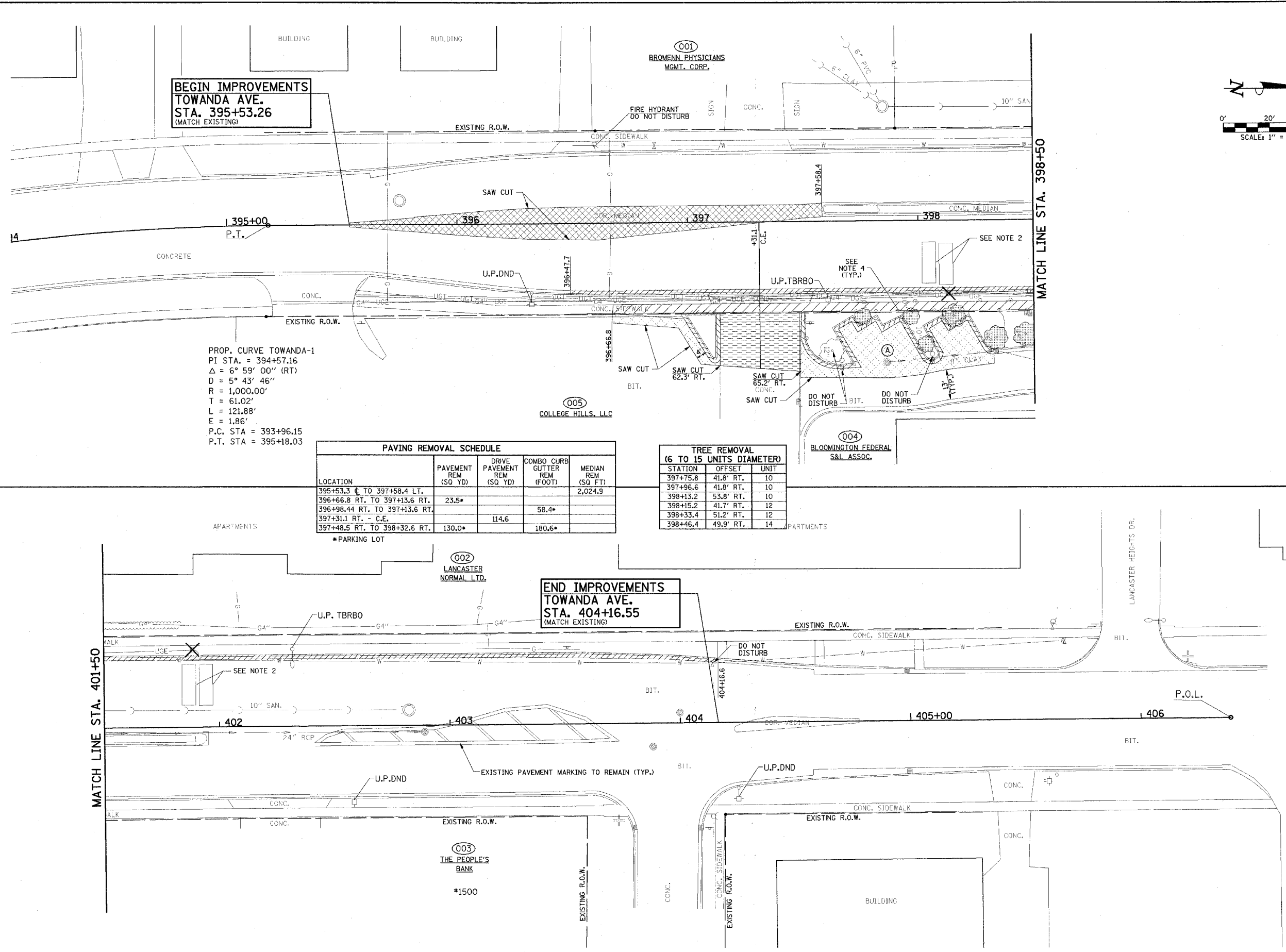
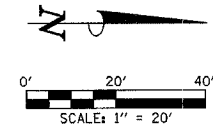
SEE PLAN SHEETS FOR STORM SEWER REMOVAL AND STRUCTURE REMOVAL AND ADJUSTMENT SCHEDULES.

ALL EXISTING SIGNS LOCATED ON PUBLIC RIGHT-OF-WAY WHICH INTERFERE WITH THE WORK SHALL BE REMOVED BY THE TOWN OF NORMAL AT NO CHARGE, PROVIDED THE CONTRACTOR PROVIDES THE ENGINEER WITH NOT LESS THAN TWO (2) WORKING DAYS NOTICE FOR SIGN REMOVAL.

EXISTING PAVEMENTS, CURBS AND GUTTERS, AND SIDEWALKS IN WHICH THE TOP SURFACE IS TO BE JOINED TO THE PROPOSED WORK SHALL BE SO JOINED THROUGH SAW CUT JUNCTURES.

ILLINOIS DEPARTMENT OF TRANSPORTATION
REMOVALS AND RELOCATIONS PLAN

SCALE: 1"=20'
DATE: 3-07
DRAWN BY: S.M.W.
CHECKED BY: J.T.P.



**BEGIN IMPROVEMENTS
TOWANDA AVE.
STA. 395+53.26
(MATCH EXISTING)**

**END IMPROVEMENTS
TOWANDA AVE.
STA. 404+16.55
(MATCH EXISTING)**

PROP. CURVE TOWANDA-1
PI STA. = 394+57.16
Δ = 6° 59' 00" (RT)
D = 5° 43' 46"
R = 1,000.00'
T = 61.02'
L = 121.88'
E = 1.86'
P.C. STA = 393+96.15
P.T. STA = 395+18.03

PAVING REMOVAL SCHEDULE				
LOCATION	PAVEMENT REM (SQ YD)	DRIVE PAVEMENT REM (SQ YD)	COMBO CURB GUTTER REM (FOOT)	MEDIAN REM (SQ FT)
395+53.3 C. TO 397+58.4 LT.				2,024.9
396+66.8 RT. TO 397+13.6 RT.	23.5*		58.4*	
396+98.44 RT. TO 397+13.6 RT.		114.6		
397+31.1 RT. - C.E.				
397+48.5 RT. TO 398+32.6 RT.	130.0*		180.6*	

* PARKING LOT

TREE REMOVAL (6 TO 15 UNITS DIAMETER)		
STATION	OFFSET	UNIT
397+75.8	41.8' RT.	10
397+96.6	41.8' RT.	10
398+13.2	53.8' RT.	10
398+15.2	41.7' RT.	12
398+33.4	51.2' RT.	12
398+46.4	49.9' RT.	14

LEGEND

- (A) STRUCTURE TO BE ADJUSTED
- (R) STRUCTURE TO BE REMOVED
- U.P.TBRBO UTILITY POLE - TO BE RELOCATED BY OTHERS
- U.P.DND UTILITY POLE - DO NOT DISTURB
- X TRAFFIC SIGNAL EQUIPMENT TO BE REMOVED
- 15" TREE REMOVAL
- [Hatched Box] DRIVEWAY PAVEMENT REMOVAL
- [Cross-hatched Box] PAVEMENT REMOVAL
- [Diagonal Hatched Box] MEDIAN REMOVAL
- [Diagonal Hatched Box] SIDEWALK REMOVAL
- [Diagonal Hatched Box] CURB & GUTTER REMOVAL

SEE PLAN SHEETS FOR STORM SEWER REMOVAL AND STRUCTURE REMOVAL AND ADJUSTMENT SCHEDULES.

ALL EXISTING SIGNS LOCATED ON PUBLIC RIGHT-OF-WAY WHICH INTERFERE WITH THE WORK SHALL BE REMOVED BY THE TOWN OF NORMAL AT NO CHARGE, PROVIDED THE CONTRACTOR PROVIDES THE ENGINEER WITH NOT LESS THAN TWO (2) WORKING DAYS NOTICE FOR SIGN REMOVAL.

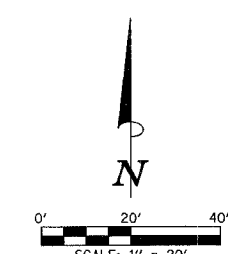
EXISTING PAVEMENTS, CURBS AND GUTTERS, AND SIDEWALKS IN WHICH THE TOP SURFACE IS TO BE JOINED TO THE PROPOSED WORK SHALL BE SO JOINED THROUGH SAW CUT JUNCTURES.

ILLINOIS DEPARTMENT OF TRANSPORTATION
REMOVALS AND RELOCATIONS PLAN

DATE : 3-07
DRAWN BY : S.M.W.
CHECKED BY : J.T.P.
SCALE : 1"=20'

SEC. 26, T.24 N., R.2 E., 3rd P.M.
MCLEAN COUNTY, ILLINOIS

F.A.U. SECTION COUNTY TOTAL SHEETS SHEET NO.	02-00218-00-SP MCLEAN 35 13
STA. TO STA.	ILLINOIS FED. AID PROJECT
CONTRACT NO. 91363	

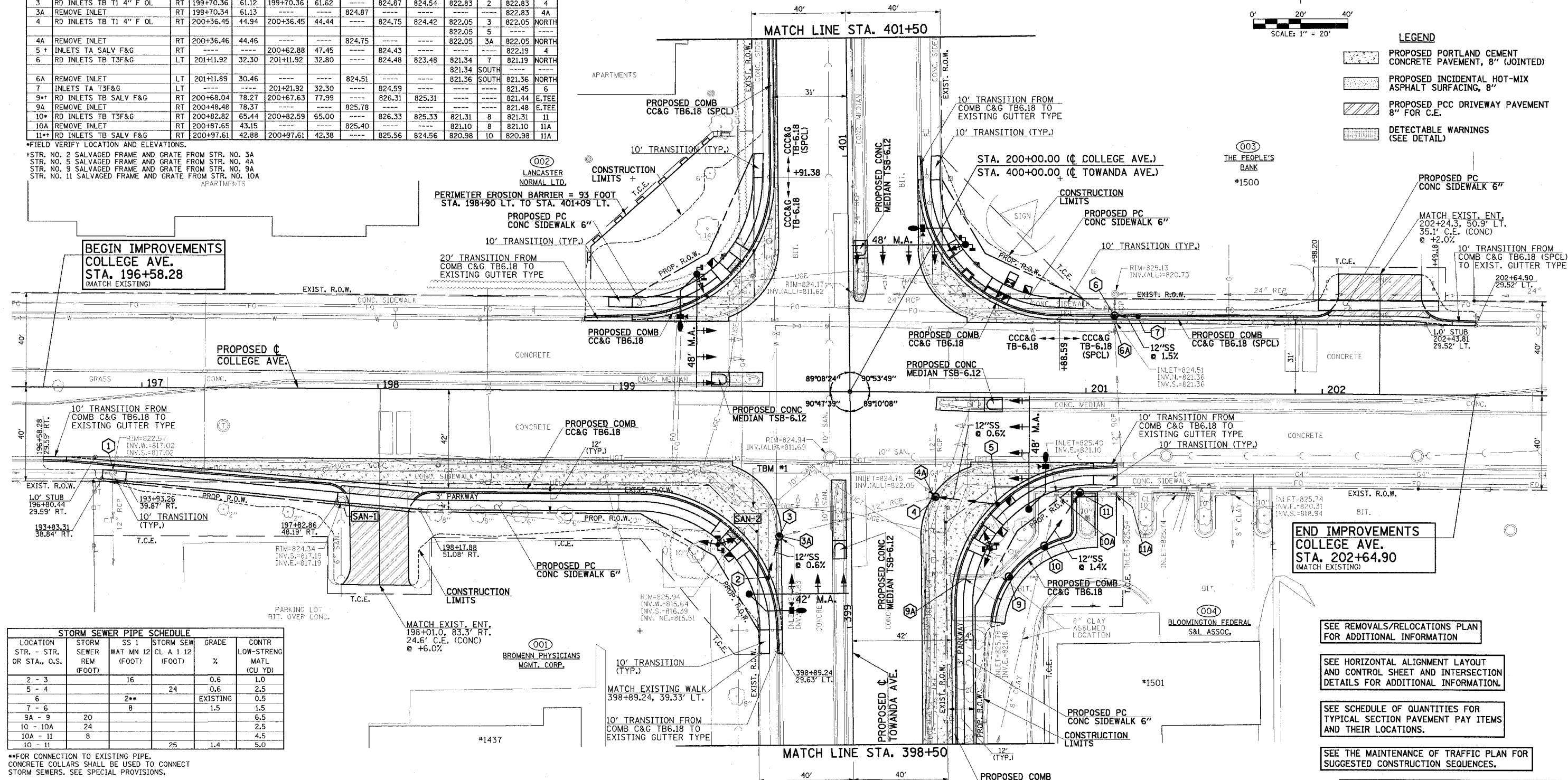


STR. NO.	STRUCTURE TYPE	OFF-SET SIDE	STA. OF C/L 2 FT. OPENING	OFFSET OF C/L 2 FT. OPENING	STA. OF C/L STR.	OFFSET OF C/L STR.	EX. T/O FRAME/GRATE ELEV.	PR. T/O FRAME/GRATE ELEV.	PR. T/O FLAT SLAB TOP ELEV.	INVERT IN ELEV.	U.S. STR. NO.	INVERT OUT ELEV.	D.S. STR. NO.
1	MAN ADJUST	RT	---	---	196+87.92	36.41	822.57	822.43	---	---	---	817.02	---
2	INLETS TA SALV F&G	RT	---	---	199+65.49	79.19	---	824.98	---	---	---	822.92	3
3	RD INLETS TB T1 4" F OL	RT	199+70.36	61.12	199+70.36	61.62	---	824.87	824.54	822.83	2	822.83	4
3A	REMOVE INLET	RT	199+70.34	61.13	---	---	824.87	---	---	---	---	822.83	4A
4	RD INLETS TB T1 4" F OL	RT	200+36.45	44.94	200+36.45	44.44	---	824.75	824.42	822.05	3	822.05	NORTH
4A	REMOVE INLET	RT	200+36.46	44.46	---	---	824.75	---	---	---	---	822.05	5
5	INLETS TA SALV F&G	RT	---	---	200+62.88	47.45	---	824.43	---	---	---	822.19	4
6	RD INLETS TB T3F&G	LT	201+11.92	32.30	201+11.92	32.80	---	824.48	823.48	821.34	7	821.19	NORTH
6A	REMOVE INLET	LT	201+11.89	30.46	---	---	824.51	---	---	---	---	821.34	SOUTH
7	INLETS TA T3F&G	LT	---	---	201+21.92	32.30	---	824.59	---	---	---	821.45	6
9*	RD INLETS TB SALV F&G	RT	200+68.04	78.27	200+67.63	77.99	---	826.31	825.31	---	---	821.44	E.TEE
9A	REMOVE INLET	RT	200+48.48	78.37	---	---	825.78	---	---	---	---	821.48	E.TEE
10*	RD INLETS TB T3F&G	RT	200+82.82	65.44	200+82.59	65.00	---	826.33	825.33	821.31	8	821.31	11
10A	REMOVE INLET	RT	200+87.65	43.15	---	---	825.40	---	---	---	---	821.10	8
11*	RD INLETS TB SALV F&G	RT	200+97.61	42.88	200+97.61	42.38	---	825.56	824.56	820.98	10	820.98	11A

*FIELD VERIFY LOCATION AND ELEVATIONS.
*STR. NO. 2 SALVAGED FRAME AND GRATE FROM STR. NO. 3A
*STR. NO. 5 SALVAGED FRAME AND GRATE FROM STR. NO. 4A
*STR. NO. 9 SALVAGED FRAME AND GRATE FROM STR. NO. 9A
*STR. NO. 11 SALVAGED FRAME AND GRATE FROM STR. NO. 10A

INLET FILTERS = 8 EACH
PLACED AT ALL DRAINAGE STRUCTURES
WITHIN PAVED AREAS WITH OPEN LIDS
OR GRATES.

- LEGEND**
- PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT, 8" (JOINTED)
 - PROPOSED INCIDENTAL HOT-MIX ASPHALT SURFACING, 8"
 - PROPOSED PCC DRIVEWAY PAVEMENT 8" FOR C.E.
 - DETECTABLE WARNINGS (SEE DETAIL)



LOCATION STR. - STR. OR STA., O.S.	STORM SEWER REM (FOOT)	SS 1 WAT MN 12 (FOOT)	STORM SEW CL A 1 12 (FOOT)	GRADE %	CONTR LOW-STRENGTH MATL (CU YD)
2 - 3		16		0.6	1.0
5 - 4			24	0.6	2.5
6		2**		EXISTING	0.5
7 - 6		8		1.5	1.5
9A - 9	20				6.5
10 - 10A	24				2.5
10A - 11	8				4.5
10 - 11			25	1.4	5.0

**FOR CONNECTION TO EXISTING PIPE. CONCRETE COLLARS SHALL BE USED TO CONNECT STORM SEWERS. SEE SPECIAL PROVISIONS.

STR. NO.	STRUCTURE TYPE	OFF-SET SIDE	STA. OF C/L 2 FT. OPENING	OFFSET OF C/L 2 FT. OPENING	STA. OF C/L STR.	OFFSET OF C/L STR.	EX. T/O FRAME/GRATE ELEV.	PR. T/O FRAME/GRATE ELEV.	PR. T/O FLAT SLAB TOP ELEV.	INVERT IN ELEV.	U.S. STR. NO.	INVERT OUT ELEV.	D.S. STR. NO.
SAN-1	MAN ADJUST	RT	---	---	197+84.61	48.42	824.34	823.33	---	817.19	SOUTH	817.19	SAN-2
SAN-2	MAN ADJUST	RT	---	---	199+52.97	60.30	825.94	824.45	---	815.64	SAN-1	815.51	N.E.

SEC. 26, T.24 N., R.2 E., 3rd P.M.
MCLEAN COUNTY, ILLINOIS

- SEE REMOVALS/RELOCATIONS PLAN FOR ADDITIONAL INFORMATION
- SEE HORIZONTAL ALIGNMENT LAYOUT AND CONTROL SHEET AND INTERSECTION DETAILS FOR ADDITIONAL INFORMATION.
- SEE SCHEDULE OF QUANTITIES FOR TYPICAL SECTION PAVEMENT PAY ITEMS AND THEIR LOCATIONS.
- SEE THE MAINTENANCE OF TRAFFIC PLAN FOR SUGGESTED CONSTRUCTION SEQUENCES.

ILLINOIS DEPARTMENT OF TRANSPORTATION

PLAN - COLLEGE AVENUE

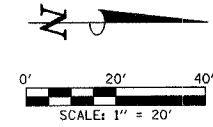
DATE: 3-07
DRAWN BY: S.M.W.
CHECKED BY: J.T.P.

SEC. 26, T.24 N., R.2 E., 3rd P.M.
MCLEAN COUNTY, ILLINOIS

F.A.U. SECTION COUNTY TOTAL SHEETS SHEET NO.
6352 02-00218-00-SP MCLEAN 35 14
STA. TO STA.
ILLINOIS FED. AID PROJECT

CONTRACT NO. 91363

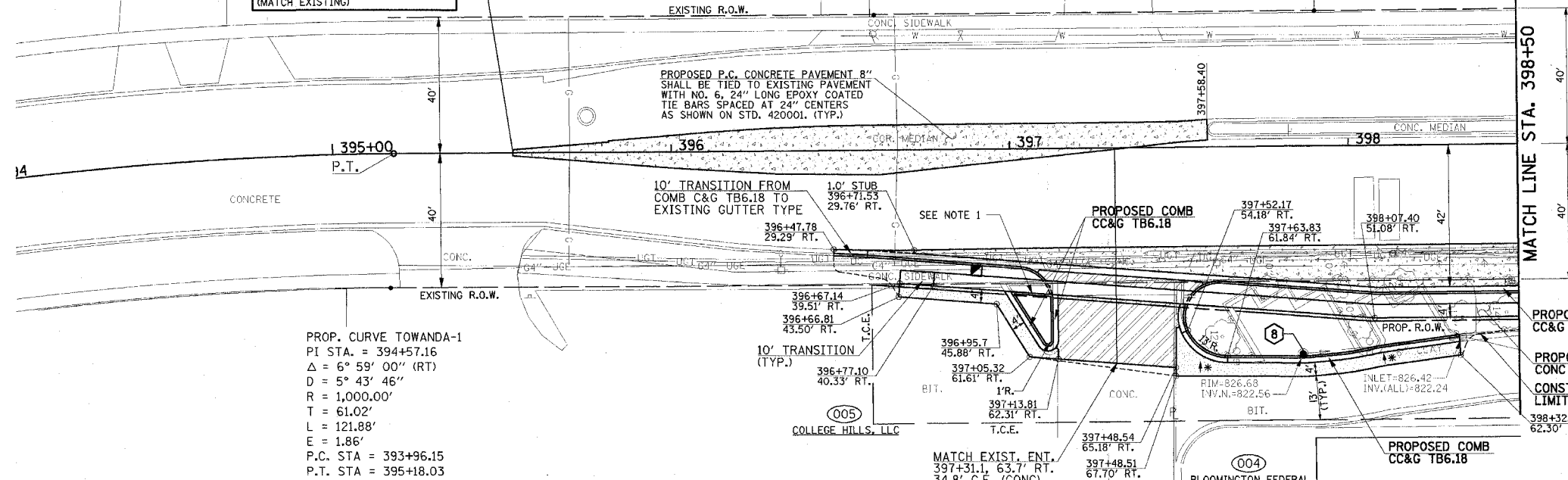
INLET FILTERS = 2 EACH
PLACED AT ALL DRAINAGE STRUCTURES WITHIN PAVED AREAS WITH OPEN LIDS OR GRATES.



- LEGEND**
- PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT, 8" (JOINTED)
 - PROPOSED INCIDENTAL HOT-MIX ASPHALT SURFACING, 8"
 - PROPOSED PCC DRIVEWAY PAVEMENT 8" FOR C.E.
 - DETECTABLE WARNINGS (SEE DETAIL)

**BEGIN IMPROVEMENTS
TOWANDA AVE.
STA. 395+53.26**
(MATCH EXISTING)

MATCH LINE STA. 398+50



PROP. CURVE TOWANDA-1
PI STA. = 394+57.16
 $\Delta = 6^\circ 59' 00''$ (RT)
 $D = 5^\circ 43' 46''$
 $R = 1,000.00'$
 $T = 61.02'$
 $L = 121.88'$
 $E = 1.86'$
P.C. STA = 393+96.15
P.T. STA = 395+18.03

NOTES:
1. CONSTRUCT CONCRETE CURB MONOLITHIC WITH SIDEWALK, FROM STA. 397+01.00, 42.89' RT. TO 397+11.63, 43.77' RT. CURB HEIGHT SHALL BE 6" AND BE 6" IN WIDTH. THE COST OF THE CURB SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR P.C. CONCRETE SIDEWALK 6".

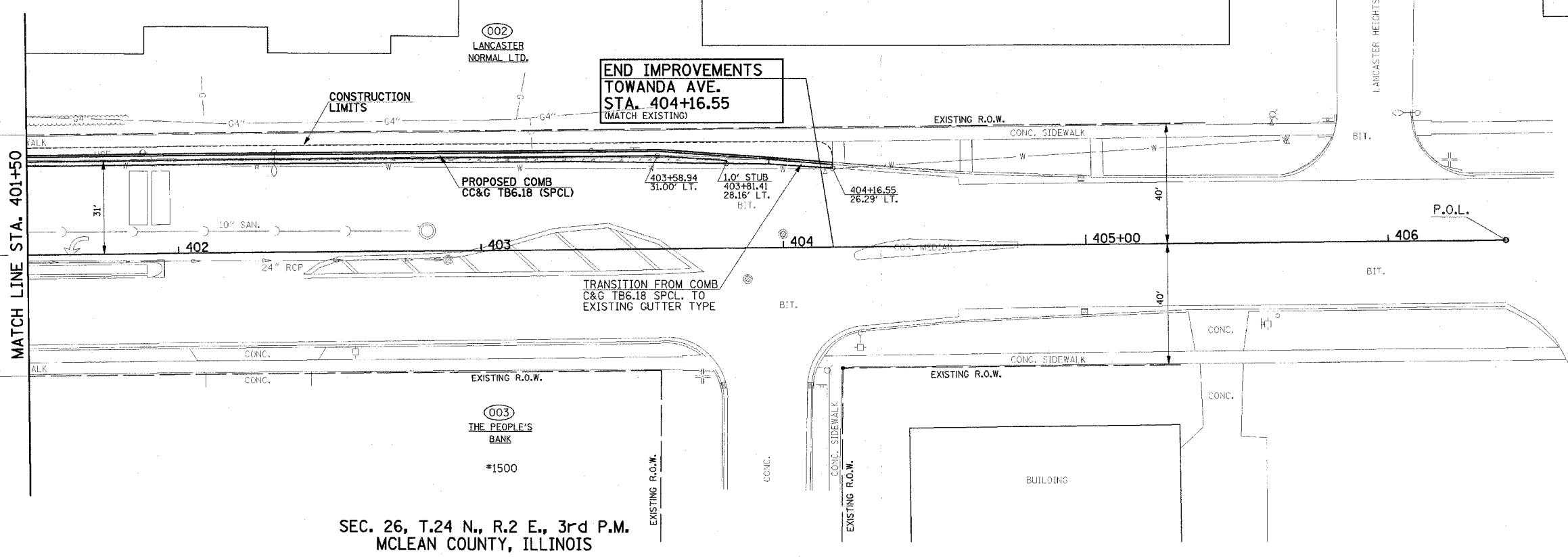
STORM SEWER STRUCTURE SCHEDULE

STR. NO.	STRUCTURE TYPE	OFF-SET SIDE	STA. OF C/L 2 FT. OPENING	OFFSET OF C/L 2 FT. OPENING	STA. OF C/L STR.	OFFSET OF C/L STR.	EX. T/O FRAME/GRATE ELEV.	PR. T/O FRAME/GRATE ELEV.	PR. T/O FLAT SLAB TOP ELEV.	INVERT IN ELEV.	U.S. STR. NO.	INVERT OUT ELEV.	D.S. STR. NO.
8*	MAN ADJ NEW T15F&L	RT	397+86.13	61.49	---	---	826.68	827.09	---	---	---	822.56	10A

*FIELD VERIFY LOCATION AND ELEVATIONS.

**END IMPROVEMENTS
TOWANDA AVE.
STA. 404+16.55**
(MATCH EXISTING)

MATCH LINE STA. 401+50



SEE REMOVALS/RELOCATIONS PLAN FOR ADDITIONAL INFORMATION

SEE HORIZONTAL ALIGNMENT LAYOUT AND CONTROL SHEET AND INTERSECTION DETAILS FOR ADDITIONAL INFORMATION.

SEE SCHEDULE OF QUANTITIES FOR TYPICAL SECTION PAVEMENT PAY ITEMS AND THEIR LOCATIONS.

SEE THE MAINTENANCE OF TRAFFIC PLAN FOR SUGGESTED CONSTRUCTION SEQUENCES.

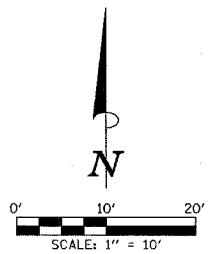
ILLINOIS DEPARTMENT OF TRANSPORTATION

PLAN - TOWANDA AVENUE

SCALE: 1"=20'
DATE: 3-07
DRAWN BY: S.M.W.
CHECKED BY: J.T.P.

F.A.U. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
02-00218-00-SP	MCLEAN	35	15
STA.	TO STA.		
	ILLINOIS		FED. AID PROJECT

CONTRACT NO. 91363

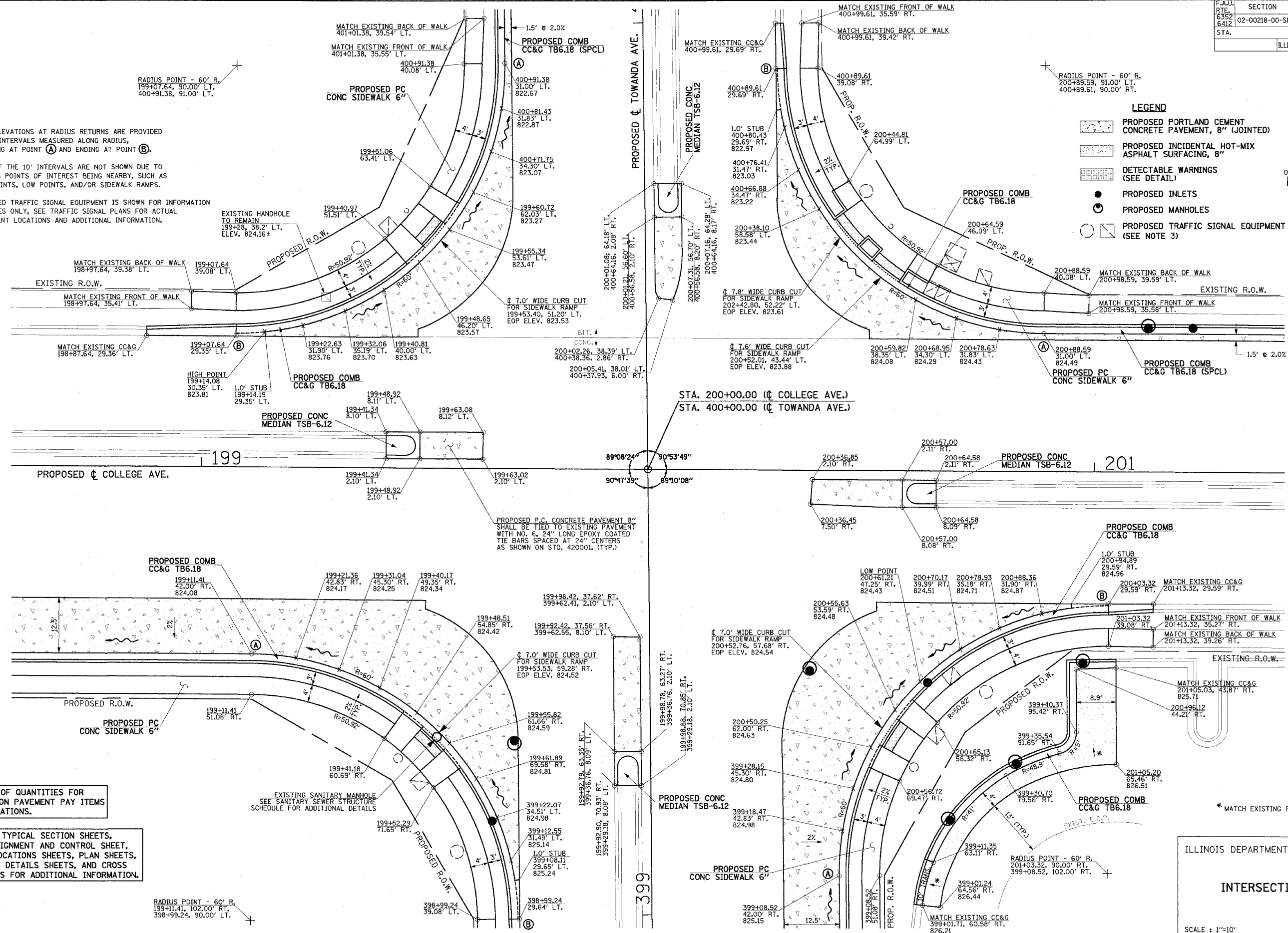


NOTES:

1. SPOT ELEVATIONS AT RADIUS RETURNS ARE PROVIDED AT 10' INTERVALS MEASURED ALONG RADIUS, STARTING AT POINT (A) AND ENDING AT POINT (B).
2. SOME OF THE 10' INTERVALS ARE NOT SHOWN DUE TO VARIOUS POINTS OF INTEREST BEING NEARBY, SUCH AS HIGH POINTS, LOW POINTS, AND/OR SIDEWALK RAMPS.
3. PROPOSED TRAFFIC SIGNAL EQUIPMENT IS SHOWN FOR INFORMATION PURPOSES ONLY, SEE TRAFFIC SIGNAL PLANS FOR ACTUAL EQUIPMENT LOCATIONS AND ADDITIONAL INFORMATION.

LEGEND

-
-
-
-
-
-



SEE SCHEDULE OF QUANTITIES FOR TYPICAL SECTION PAVEMENT PAY ITEMS AND THEIR LOCATIONS.

SEE PROPOSED TYPICAL SECTION SHEETS, HORIZONTAL ALIGNMENT AND CONTROL SHEET, REMOVALS/RELOCATIONS SHEETS, PLAN SHEETS, MISCELLANEOUS DETAILS SHEETS, AND CROSS SECTION SHEETS FOR ADDITIONAL INFORMATION.

ILLINOIS DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAIL

DATE: 3-07
DRAWN BY: S.M.W.
CHECKED BY: J.T.P.

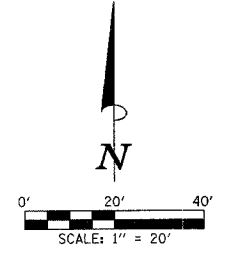
SCALE: 1"=10'

F.A.U. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6352 02-00218-00-SP	MCLEAN	35	16
6412			
STA.	TO STA.		
	ILLINOIS FED. AID PROJECT		

CONTRACT NO. 91363

TEMPORARY TRAFFIC SIGNAL NOTES

- ALL CONTROL EQUIPMENT FOR THE TEMPORARY TRAFFIC SIGNALS SHALL BE FURNISHED BY THE CONTRACTOR.
- THE TEMPORARY SIGNALS SHALL BE FULLY INSTALLED AND OPERATIONAL PRIOR TO THE EXISTING SIGNALS BEING DISCONNECTED. THE PROPOSED SIGNAL INSTALLATION SHALL BE INSTALLED AND OPERATIONAL BEFORE THE TEMPORARY INSTALLATION IS DISCONNECTED.
- THE PROPOSED TEMPORARY TRAFFIC SIGNALS SHALL BE INSTALLED IN ACCORDANCE WITH STANDARD 880001 AND SECTION 890 OF THE STANDARD SPECIFICATIONS.
- IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PROVIDE WOOD POLES OF SUFFICIENT LENGTH TO MAINTAIN THE CLEARANCE REQUIREMENTS IN STANDARD 880001.
- ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED, INSTALLED IN CABINETS, ACCOMMODATE 8 VEHICLE AND 4 PEDESTRIAN PHASES CAPABLE OF SUPPLYING 255 SECONDS OF CYCLE LENGTH AND INDIVIDUAL PHASE LENGTH SETTINGS UP TO 99 SECONDS.
- ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE OF THE 12" TYPE. THE TEMPORARY TRAFFIC SIGNAL HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE. THE TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
- ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING LOCATIONS AND RELOCATED AND SECURELY FASTENED TO THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.
- ALL LABOR AND MATERIALS REQUIRED TO COMPLY WITH THESE REQUIREMENTS SHALL BE CONSIDERED INCLUDED WITHIN THE CONTRACT UNIT PRICE FOR "TEMPORARY TRAFFIC SIGNAL INSTALLATION". THE ITEMS AND QUANTITIES SHOWN ARE FOR INFORMATIONAL PURPOSES ONLY.
- CONTROLLER PROGRAMMING OF SIGNAL TIMING WILL BE PROVIDED BY THE TOWN OF NORMAL. THE TEMPORARY SIGNALS SHALL BE A PRE-TIMED SYSTEM.
- NO ADDITIONAL PAYMENT SHALL BE MADE FOR ANY DELAYS OR SIGNAL HEAD RELOCATIONS RESULTING FROM UTILITY RELOCATIONS, CHANGES IN STAGING, REMOVAL OF EXISTING SIGNALS, OR INSTALLATION OF PROPOSED SIGNALS.

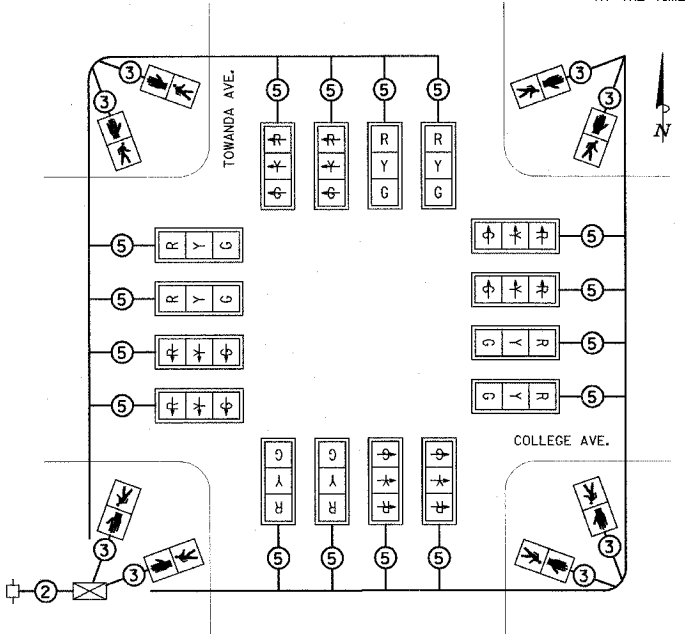


TEMPORARY TRAFFIC SIGNAL LEGEND

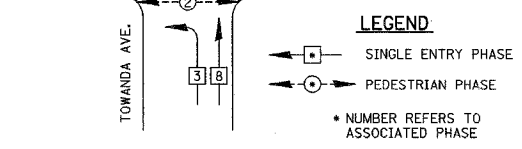
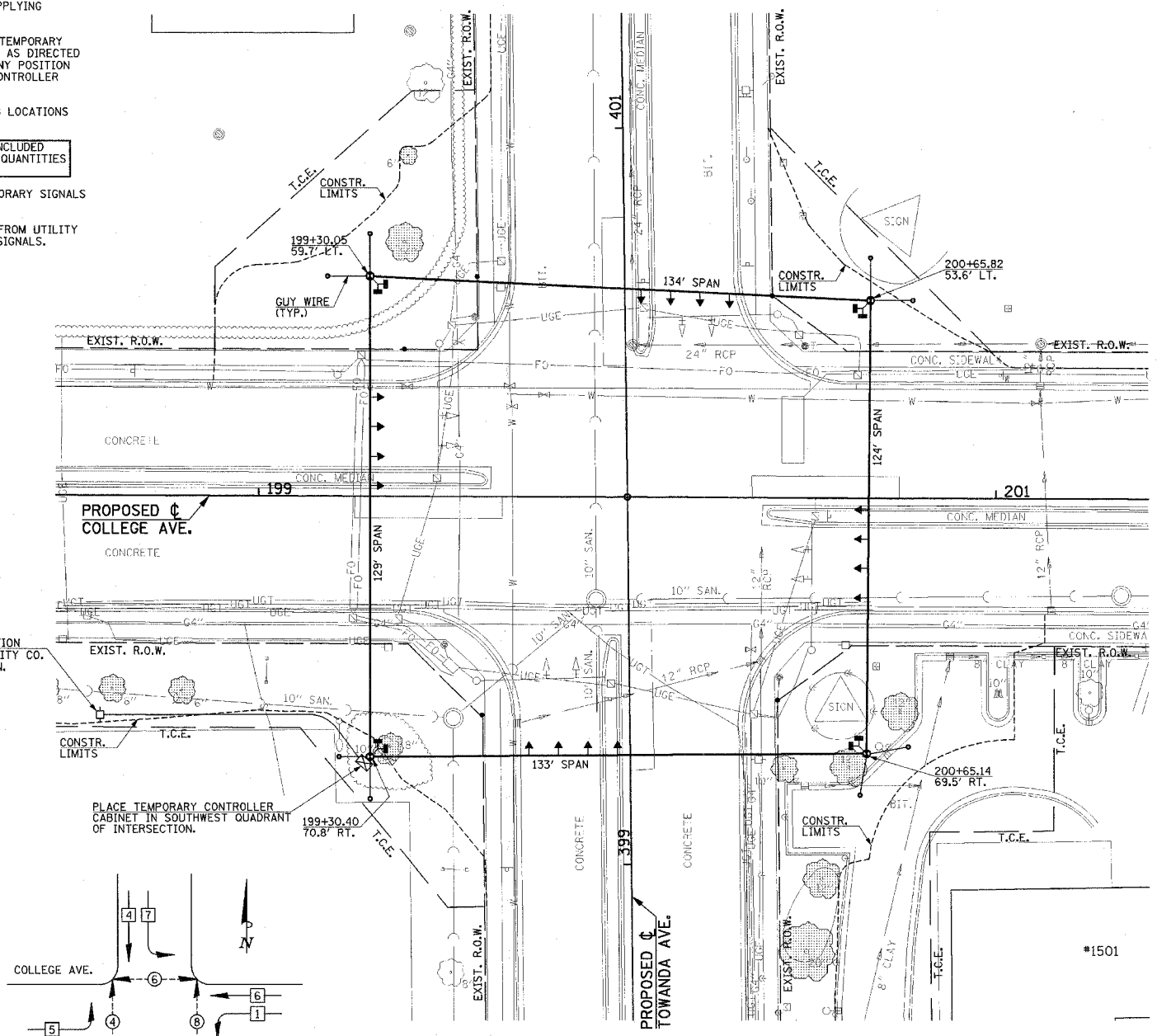
- ← TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED
- ⊙ TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT MINIMUM
- ☒ TEMPORARY CONTROLLER CABINET
- TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE
- TEMPORARY GUY
- TEMPORARY SERVICE INSTALLATION
- TEMPORARY PEDESTRIAN SIGNAL HEAD BRACKET MOUNTED

TEMPORARY CABLE DIAGRAM LEGEND

- Ⓡ TEMPORARY TRAFFIC SIGNAL SECTION OR PEDESTRIAN SIGNAL SECTION 12"
- ☒ TEMPORARY CONTROLLER CABINET
- TEMPORARY SERVICE INSTALLATION
- ⑤ INDICATES NUMBER OF CONDUCTORS IN CABLE. ALL CONDUCTORS TO BE NUMBER 14 AWG WIRE UNLESS OTHERWISE NOTED.



TEMPORARY CABLE PLAN
NO SCALE



TEMPORARY PHASE DESIGNATION DIAGRAM

SEE REMOVAL AND RELOCATION PLANS FOR LOCATIONS OF EXISTING TRAFFIC SIGNAL EQUIPMENT TO BE REMOVED.

ILLINOIS DEPARTMENT OF TRANSPORTATION TEMPORARY TRAFFIC SIGNAL PLAN

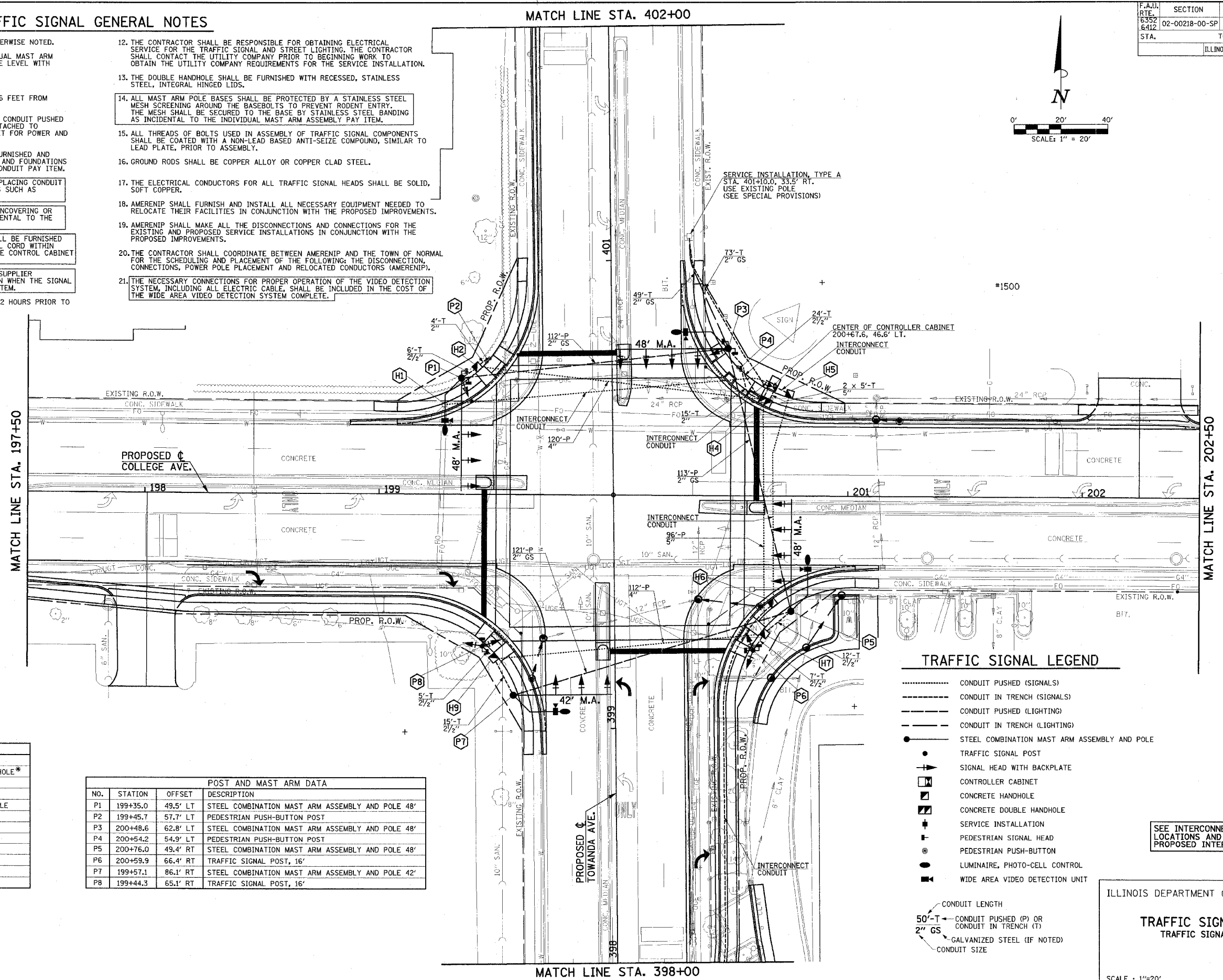
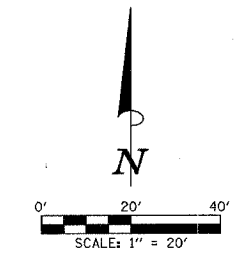
DATE : 3-07
DRAWN BY : S.M.W.
CHECKED BY : J.T.P.
SCALE : 1"=20'

TRAFFIC SIGNAL GENERAL NOTES

- ALL TRAFFIC SIGNAL HEADS SHALL BE 12" UNLESS OTHERWISE NOTED.
- ALL MAST ARM MOUNTED SIGNAL HEADS ON AN INDIVIDUAL MAST ARM SHALL BE MOUNTED SO THAT THE RED INDICATIONS ARE LEVEL WITH EACH OTHER.
- PEDESTRIAN SIGNAL HEAD FACES SHALL BE SYMBOLS.
- ALL SIGNAL BASES SHALL BE LOCATED A MINIMUM OF 6 FEET FROM THE FACE OF CURB.
- ALL CONDUIT IN TRENCH SHALL BE SCH. 80 PVC. ALL CONDUIT PUSHED MAY BE GALVANIZED STEEL OR PVC. ALL CONDUIT ATTACHED TO STRUCTURES SHALL BE GALVANIZED STEEL. ALL CONDUIT FOR POWER AND LIGHTING SHALL BE GALVANIZED STEEL.
- A 1/4" DIAMETER CONTINUOUS NYLON ROPE SHALL BE FURNISHED AND LEFT IN PLACE IN ALL CONDUITS BETWEEN HANDHOLES AND FOUNDATIONS OR CONTROLLER AS INCIDENTAL TO THE RESPECTIVE CONDUIT PAY ITEM.
- NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PLACING CONDUIT AT GREATER THAN 2 FEET DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.
- THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY, INCIDENTAL TO THE CONDUIT PAY ITEM.
- THE PROPOSED TRAFFIC SIGNAL CONTROL CABINET SHALL BE FURNISHED WITH A MANUAL CONTROL SWITCH AND MANUAL CONTROL CORD WITHIN THE POLICE DOOR COMPARTMENT AS INCIDENTAL TO THE CONTROL CABINET PAY ITEM.
- THE CONTRACTOR SHALL ARRANGE FOR A FACTORY OR SUPPLIER REPRESENTATIVE TO BE PRESENT AT THE INTERSECTION WHEN THE SIGNAL IS TURNED ON, INCIDENTAL TO THE CONTROLLER PAY ITEM.
- THE TOWN OF NORMAL SHALL BE NOTIFIED AT LEAST 72 HOURS PRIOR TO THE TURNING ON OF THE CONTROLLER UNIT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ELECTRICAL SERVICE FOR THE TRAFFIC SIGNAL AND STREET LIGHTING. THE CONTRACTOR SHALL CONTACT THE UTILITY COMPANY PRIOR TO BEGINNING WORK TO OBTAIN THE UTILITY COMPANY REQUIREMENTS FOR THE SERVICE INSTALLATION.
- THE DOUBLE HANDHOLE SHALL BE FURNISHED WITH RECESSED, STAINLESS STEEL, INTEGRAL HINGED LIDS.
- ALL MAST ARM POLE BASES SHALL BE PROTECTED BY A STAINLESS STEEL MESH SCREENING AROUND THE BASEBOLTS TO PREVENT RODENT ENTRY. THE MESH SHALL BE SECURED TO THE BASE BY STAINLESS STEEL BANDING AS INCIDENTAL TO THE INDIVIDUAL MAST ARM ASSEMBLY PAY ITEM.
- ALL THREADS OF BOLTS USED IN ASSEMBLY OF TRAFFIC SIGNAL COMPONENTS SHALL BE COATED WITH A NON-LEAD BASED ANTI-SEIZE COMPOUND, SIMILAR TO LEAD PLATE, PRIOR TO ASSEMBLY.
- GROUND RODS SHALL BE COPPER ALLOY OR COPPER CLAD STEEL.
- THE ELECTRICAL CONDUCTORS FOR ALL TRAFFIC SIGNAL HEADS SHALL BE SOLID, SOFT COPPER.
- AMERENIP SHALL FURNISH AND INSTALL ALL NECESSARY EQUIPMENT NEEDED TO RELOCATE THEIR FACILITIES IN CONJUNCTION WITH THE PROPOSED IMPROVEMENTS.
- AMERENIP SHALL MAKE ALL THE DISCONNECTIONS AND CONNECTIONS FOR THE EXISTING AND PROPOSED SERVICE INSTALLATIONS IN CONJUNCTION WITH THE PROPOSED IMPROVEMENTS.
- THE CONTRACTOR SHALL COORDINATE BETWEEN AMERENIP AND THE TOWN OF NORMAL FOR THE SCHEDULING AND PLACEMENT OF THE FOLLOWING: THE DISCONNECTION, CONNECTIONS, POWER POLE PLACEMENT AND RELOCATED CONDUCTORS (AMERENIP).
- THE NECESSARY CONNECTIONS FOR PROPER OPERATION OF THE VIDEO DETECTION SYSTEM, INCLUDING ALL ELECTRIC CABLE, SHALL BE INCLUDED IN THE COST OF THE WIDE AREA VIDEO DETECTION SYSTEM COMPLETE.

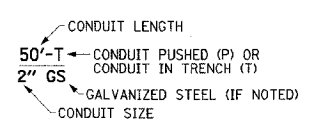
F.A.U. RTE. 6352 6412	SECTION 02-00218-00-SP	COUNTY MCLEAN	TOTAL SHEETS 35	SHEET NO. 17
STA. TO STA.		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 91363



TRAFFIC SIGNAL LEGEND

- CONDUIT PUSHED (SIGNALS)
- CONDUIT IN TRENCH (SIGNALS)
- CONDUIT PUSHED (LIGHTING)
- CONDUIT IN TRENCH (LIGHTING)
- STEEL COMBINATION MAST ARM ASSEMBLY AND POLE
- TRAFFIC SIGNAL POST
- ▲ SIGNAL HEAD WITH BACKPLATE
- CONTROLLER CABINET
- CONCRETE HANDHOLE
- CONCRETE DOUBLE HANDHOLE
- SERVICE INSTALLATION
- ⊕ PEDESTRIAN SIGNAL HEAD
- ⊕ PEDESTRIAN PUSH-BUTTON
- LUMINAIRE, PHOTO-CELL CONTROL
- WIDE AREA VIDEO DETECTION UNIT



SEE INTERCONNECT PLAN FOR LOCATIONS AND DETAILS OF THE PROPOSED INTERCONNECT SYSTEM.

ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLANS TRAFFIC SIGNAL LAYOUT

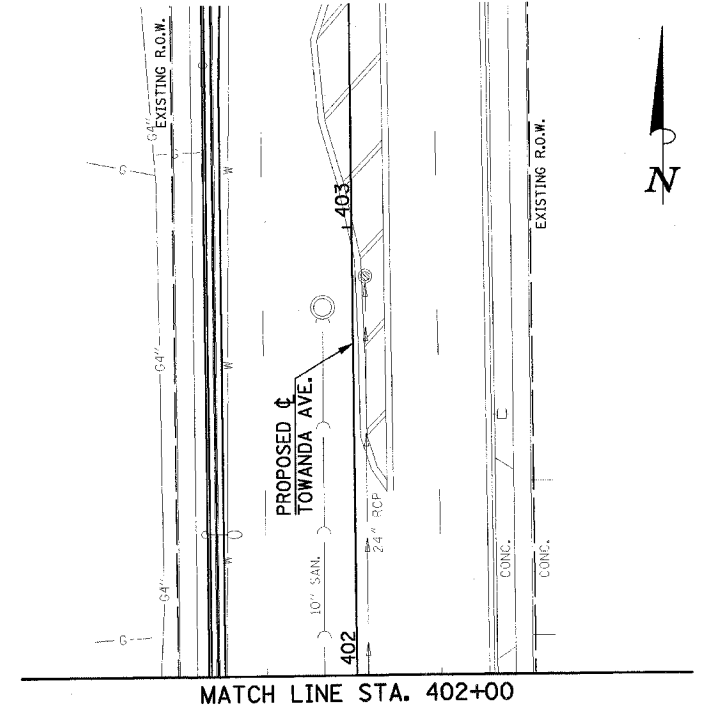
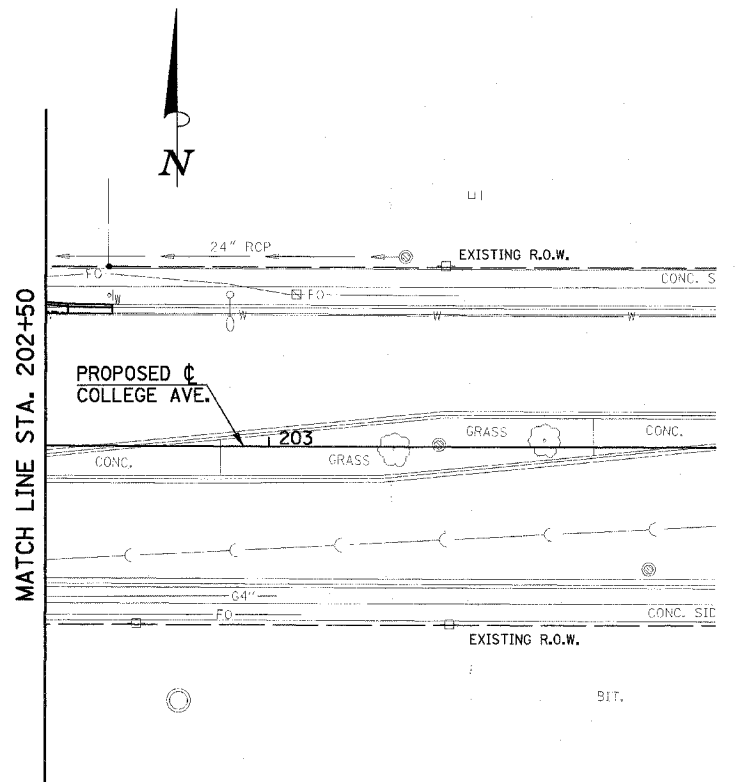
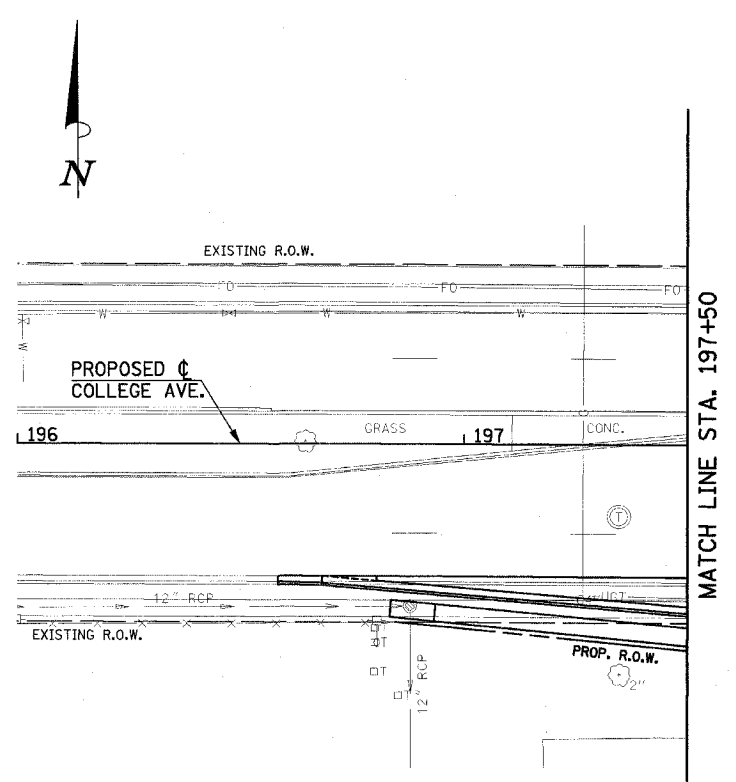
DATE : 3-07
DRAWN BY : S.M.W.
CHECKED BY : J.T.P.

SCALE : 1"=20'

NO.	STATION	OFFSET	DESCRIPTION
H1	--	--	EXISTING CONC. HANDHOLE*
H2	199+41.7	54.3' LT	CONC. HANDHOLE
H3	NOT USED		
H4	200+64.6	40.2' LT	CONC. DOUBLE HANDHOLE
H5	200+75.1	43.6' LT	CONC. HANDHOLE*
H6	200+68.2	45.9' RT	CONC. HANDHOLE*
H7	200+64.8	59.1' RT	CONC. HANDHOLE
H8	NOT USED		
H9	199+49.2	70.3' RT	CONC. HANDHOLE
H10	NOT USED		
H11	396+89.9	35.9' RT	CONC. HANDHOLE*

* TRAFFIC SIGNAL INTERCONNECT

NO.	STATION	OFFSET	DESCRIPTION
P1	199+35.0	49.5' LT	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 48'
P2	199+45.7	57.7' LT	PEDESTRIAN PUSH-BUTTON POST
P3	200+48.6	62.8' LT	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 48'
P4	200+54.2	54.9' LT	PEDESTRIAN PUSH-BUTTON POST
P5	200+76.0	49.4' RT	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 48'
P6	200+59.9	66.4' RT	TRAFFIC SIGNAL POST, 16'
P7	199+57.1	86.1' RT	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42'
P8	199+44.3	65.1' RT	TRAFFIC SIGNAL POST, 16'



BILL OF MATERIALS

ITEM	UNIT	QUANTITY
SERVICE INSTALLATION, TYPE A	EACH	1
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	122
CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	19
CONDUIT IN TRENCH, 2 1/2" DIA., PVC	FOOT	69
CONDUIT IN TRENCH, 5" DIA., PVC	FOOT	10
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	346
CONDUIT PUSHED, 4" DIA., PVC	FOOT	232
CONDUIT PUSHED, 5" DIA., PVC	FOOT	96
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	3
DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	1,350
TRENCH AND BACKFILL WITH SCREENINGS OR SAND	FOOT	220
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, PHOTO-CELL CONTROL, 250 WATT	EACH	4
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	80
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 2C	FOOT	1,250
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3C	FOOT	1,325
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C	FOOT	3,175
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7C	FOOT	700
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	600
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
PEDESTRIAN PUSH-BUTTON POST, GALVANIZED STEEL, TYPE II	EACH	2
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 48 FT.	EACH	3
CONCRETE FOUNDATION, TYPE A	FOOT	6
CONCRETE FOUNDATION, TYPE D	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	52
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	12
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	20
PEDESTRIAN PUSH-BUTTON	EACH	8
WIDE AREA VIDEO DETECTION SYSTEM COMPLETE	EACH	1
UNINTERRUPTIBLE POWER SUPPLY	EACH	1

** CONDUIT USED FOR POWER AND LIGHTING.

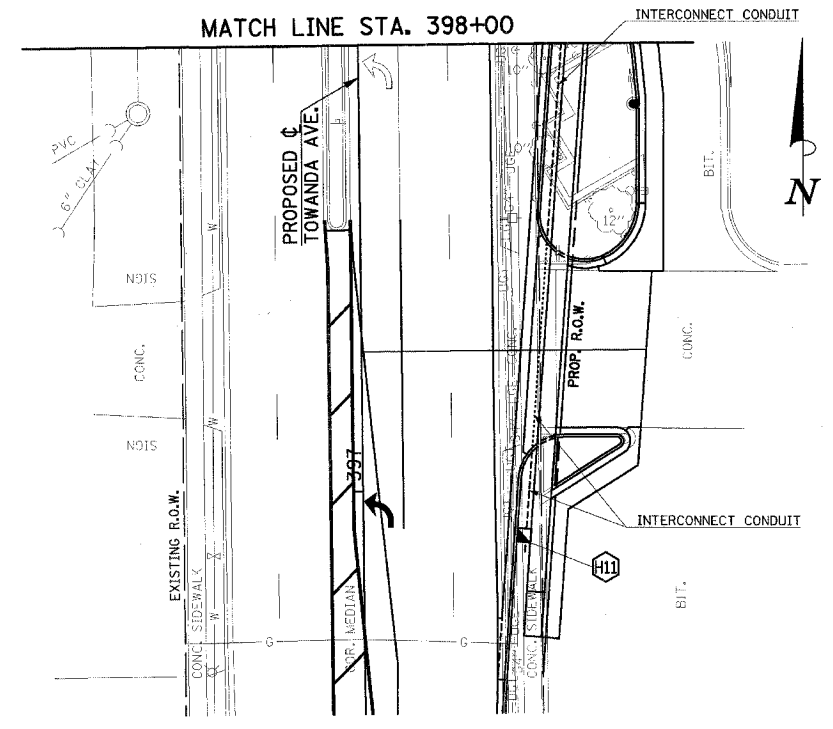
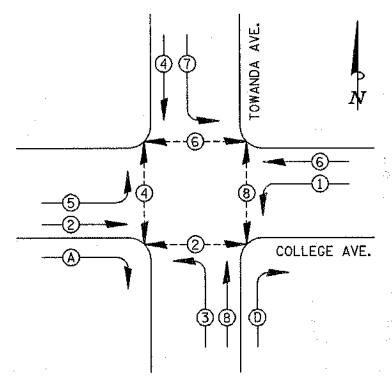
TRAFFIC SIGNAL LEGEND

- CONDUIT PUSHED (SIGNALS)
 - CONDUIT IN TRENCH (SIGNALS)
 - CONDUIT PUSHED (LIGHTING)
 - CONDUIT IN TRENCH (LIGHTING)
 - STEEL COMBINATION MAST ARM ASSEMBLY AND POLE
 - TRAFFIC SIGNAL POST
 - SIGNAL HEAD WITH BACKPLATE
 - CONTROLLER CABINET
 - CONCRETE HANDHOLE
 - CONCRETE DOUBLE HANDHOLE
 - SERVICE INSTALLATION
 - PEDESTRIAN SIGNAL HEAD
 - PEDESTRIAN PUSH-BUTTON
 - LUMINAIRE, PHOTO-CELL CONTROL
 - WIDE AREA VIDEO DETECTION UNIT
- CONDUIT LENGTH
 50'-T CONDUIT PUSHED (P) OR CONDUIT IN TRENCH (T)
 2" GS GALVANIZED STEEL (IF NOTED)
 ○ CONDUIT SIZE

PHASE DESIGNATION DIAGRAM LEGEND

- ⊕ DUAL ENTRY PHASE * NUMBER REFERS TO ASSOCIATED PHASE
- ⊕ PEDESTRIAN PHASE
- ⊕ RIGHT TURN OVERLAP
A=2+3-26
D=8+1-8C

PHASE DESIGNATION DIAGRAM
NO SCALE



SEE INTERCONNECT PLAN FOR LOCATIONS AND DETAILS OF THE PROPOSED INTERCONNECT SYSTEM.

ILLINOIS DEPARTMENT OF TRANSPORTATION

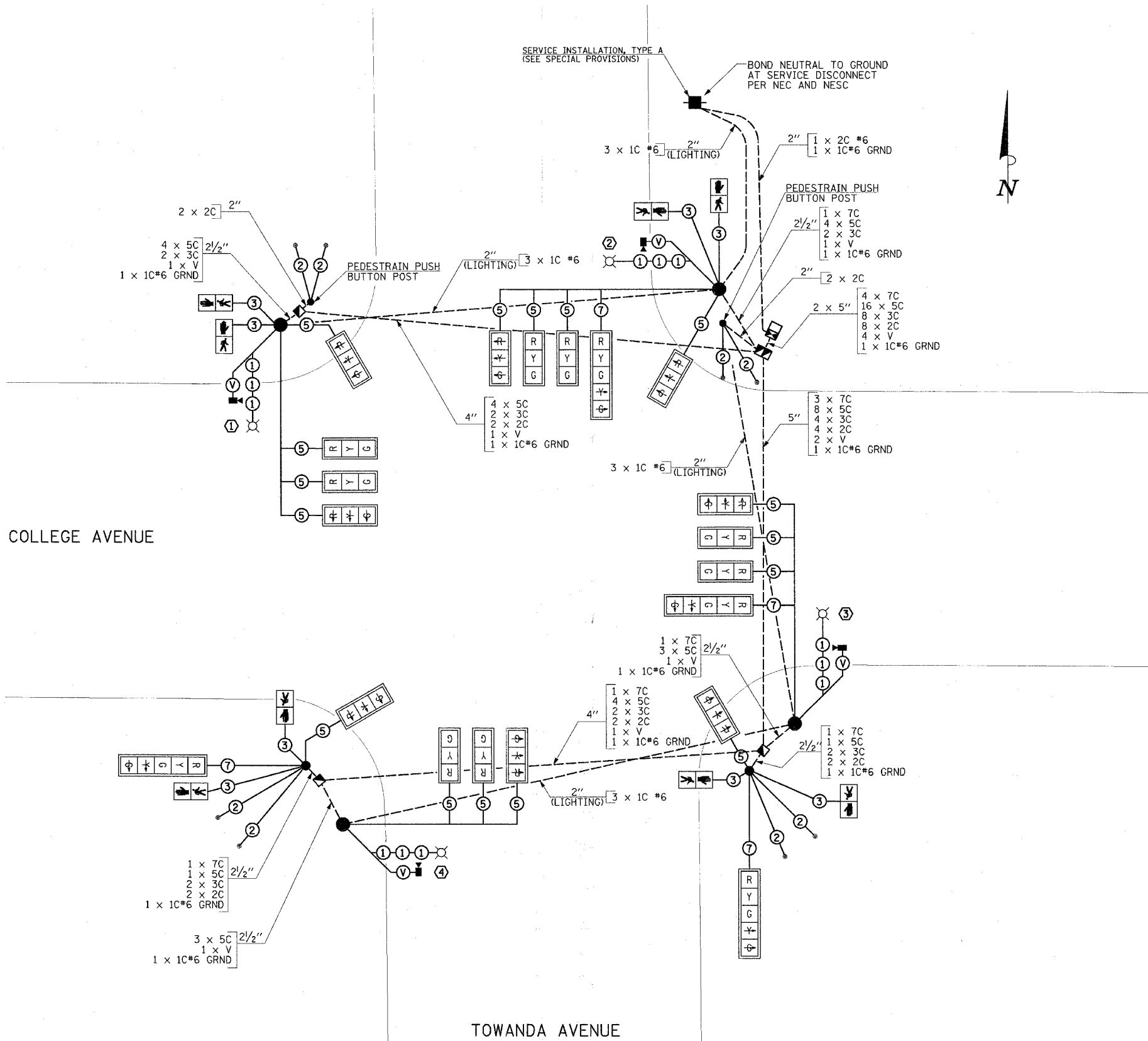
TRAFFIC SIGNAL PLANS
TRAFFIC SIGNAL LAYOUT/
PHASE DESIGNATION DIAGRAM/
BILL OF MATERIALS

DATE : 3-07
DRAWN BY : S.M.W.
CHECKED BY : J.T.P.

SCALE : 1"=20'

CABLE DIAGRAM LEGEND

- CONTROLLER CABINET
- CONCRETE HANDHOLE
- CONCRETE DOUBLE HANDHOLE
- MAST ARM POLE OR SIGNAL POST
- ELECTRIC CABLE IN CONDUIT
- SIGNAL FACE WITH BACKPLATE
- SERVICE INSTALLATION
- NUMBER OF CONDUCTORS IN CABLE
ALL CABLE #14 EXCEPT AS INDICATED
- PEDESTRIAN SIGNAL FACE
- PEDESTRIAN PUSH-BUTTON
- LUMINAIRE, PHOTO-CELL CONTROL
- LUMINAIRE NUMBER
- WIDE AREA VIDEO DETECTION UNIT
- WIDE AREA VIDEO DETECTION UNIT CABLE
SEE SPECIAL PROVISIONS
- NUMBER OF CABLES IN CONDUIT
- NUMBER OF CONDUCTORS IN EACH CABLE
- CONDUIT SIZE



COLLEGE AVENUE

TOWANDA AVENUE

CABLE DIAGRAM - COLLEGE AVE. / TOWANDA AVE.

NO SCALE

SEE INTERCONNECT PLAN FOR LOCATIONS AND DETAILS OF THE PROPOSED INTERCONNECT SYSTEM.

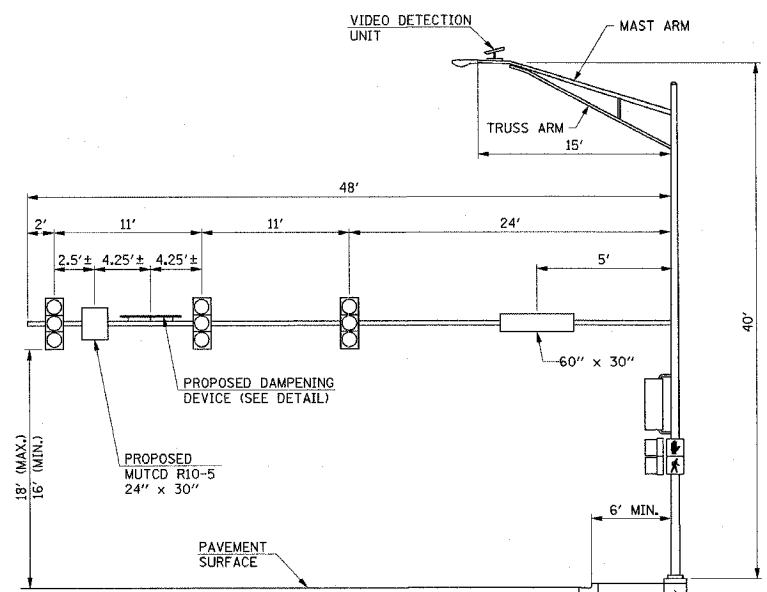
ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLANS
CABLE DIAGRAM

SCALE : NONE
DATE : 3-07
DRAWN BY : S.M.W.
CHECKED BY : J.T.P.

F.A.U. RTE. 6352 6412	SECTION 02-00218-00-SP	COUNTY MCLEAN	TOTAL SHEETS 35	SHEET NO. 20
STA. _____		TO STA. _____		
ILLINOIS FED. AID PROJECT				

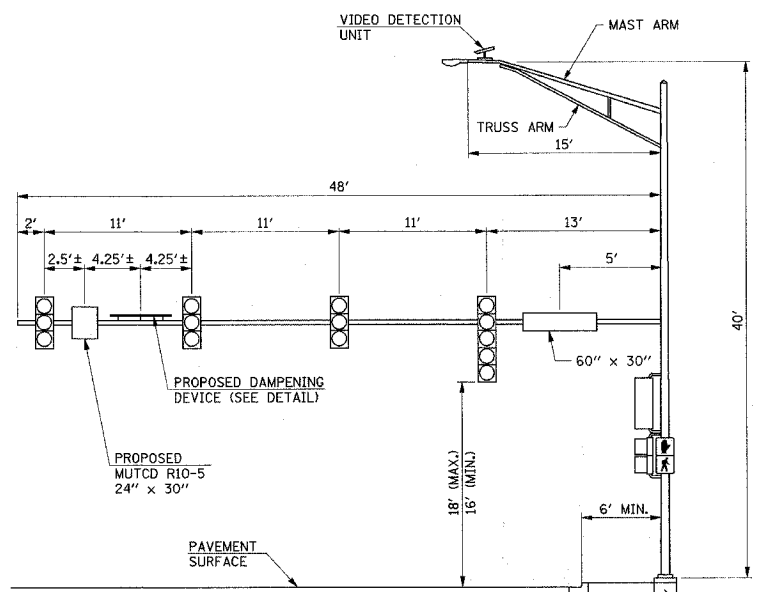
CONTRACT NO. 91363



MAST ARM LOADING DIAGRAM
NO SCALE

COLLEGE AVENUE/TOWANDA AVENUE INTERSECTION
NORTHWEST QUADRANT

TYPE E FOUNDATION
DIAMETER = 36"
DEPTH = 13'
REFER TO STD. 878001 FOR
HEIGHT ABOVE FINISH GRADE



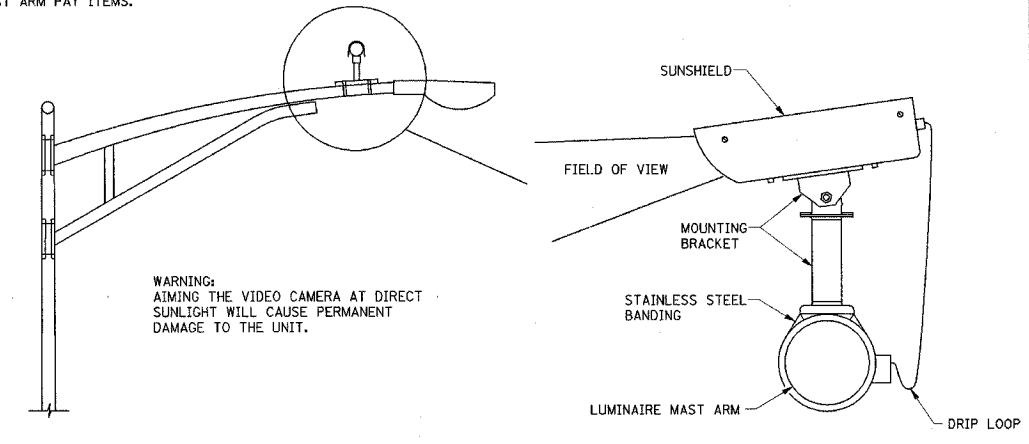
MAST ARM LOADING DIAGRAM
NO SCALE

COLLEGE AVENUE/TOWANDA AVENUE INTERSECTION
NORTHEAST QUADRANT

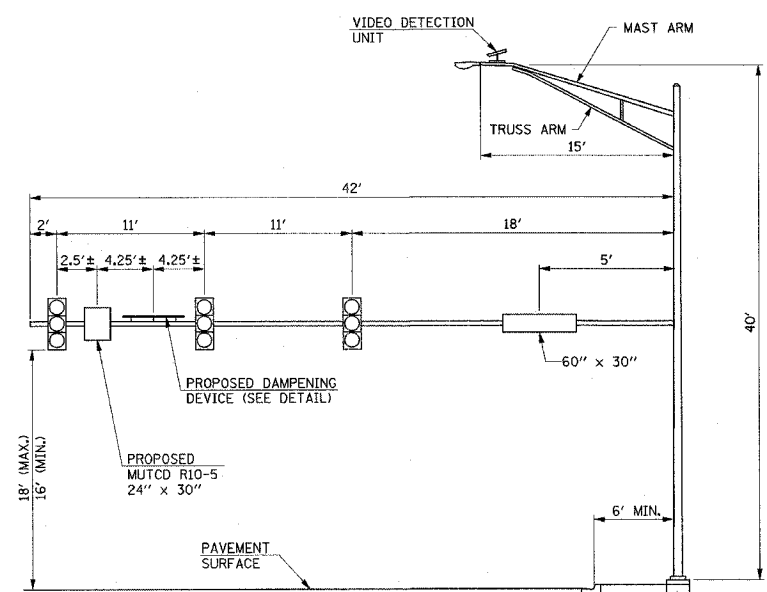
TYPE E FOUNDATION
DIAMETER = 36"
DEPTH = 13'
REFER TO STD. 878001 FOR
HEIGHT ABOVE FINISH GRADE

MAST ARM LOADING NOTES

1. ALL SIGNAL HEADS SHALL HAVE BACKPLATES.
2. THE DAMPENING DEVICE SHALL CONSIST OF A 66" x 36" TYPE 1 UNPAINTED ALUMINUM SIGN STOCK MOUNTED AS SHOWN IN THE DETAILS. THE COST OF THE DAMPENING DEVICE SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE OF THE VARIOUS MAST ARM PAY ITEMS.



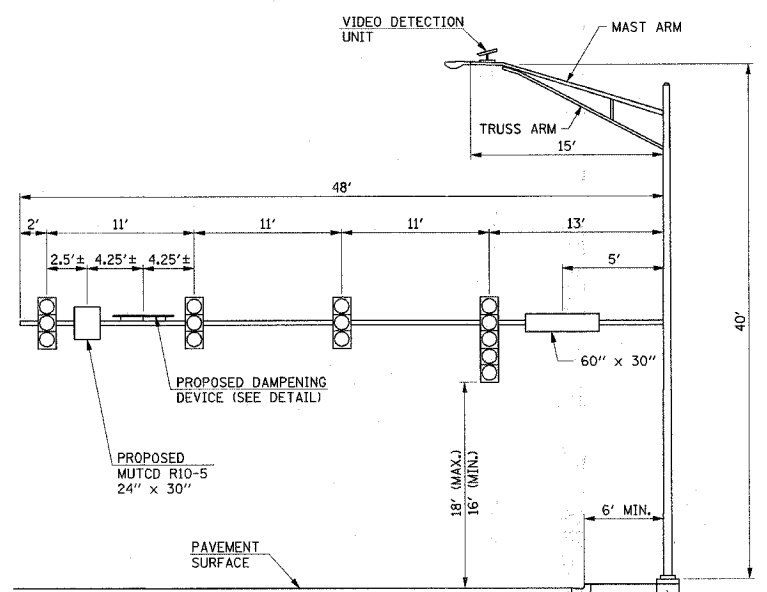
VIDEO DETECTION UNIT MOUNTING DETAILS
NO SCALE



MAST ARM LOADING DIAGRAM
NO SCALE

COLLEGE AVENUE/TOWANDA AVENUE INTERSECTION
SOUTHWEST QUADRANT

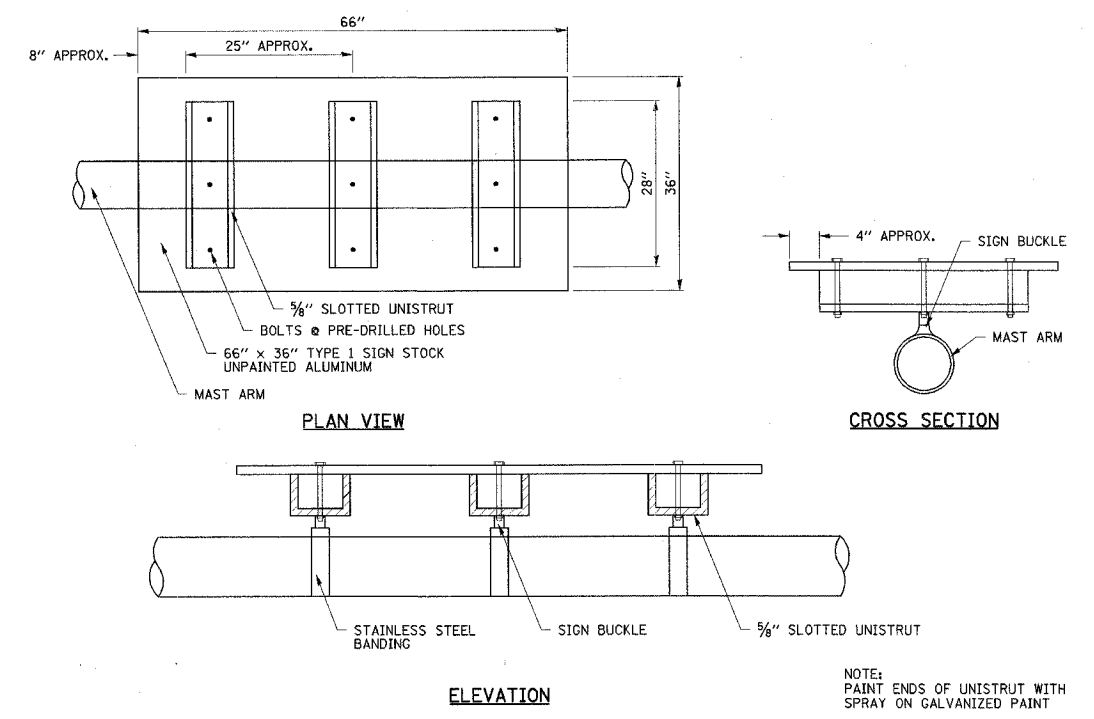
TYPE E FOUNDATION
DIAMETER = 36"
DEPTH = 13'
REFER TO STD. 878001 FOR
HEIGHT ABOVE FINISH GRADE



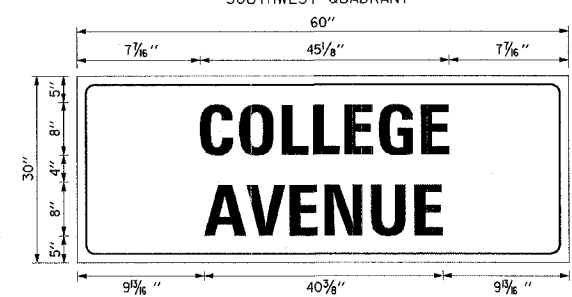
MAST ARM LOADING DIAGRAM
NO SCALE

COLLEGE AVENUE/TOWANDA AVENUE INTERSECTION
SOUTHEAST QUADRANT

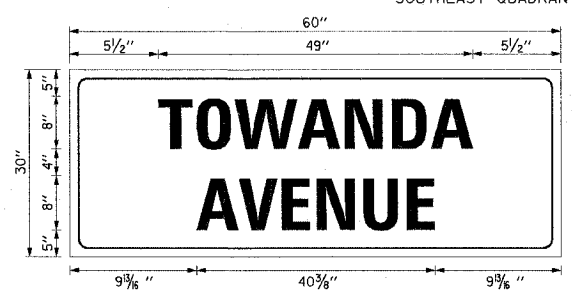
TYPE E FOUNDATION
DIAMETER = 36"
DEPTH = 13'
REFER TO STD. 878001 FOR
HEIGHT ABOVE FINISH GRADE



MAST ARM MOUNTED DAMPENING DEVICE DETAILS
NO SCALE

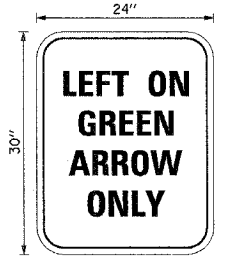


MAST ARM MOUNTED STREET NAME SIGN DETAILS
NO SCALE

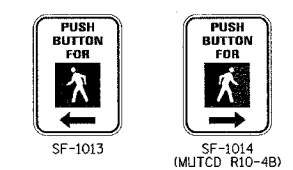


- STREET NAME SIGN NOTES:**
1. SERIES D-8" LETTERING REQUIRED.
 2. TYPE A SHEETING REQUIRED.
 3. 0.8 INCH BORDER, WHITE REQUIRED.
 4. STREET NAME SIGNS MOUNTED ON MAST ARMS SHALL HAVE THREE BRACKETS.

A 24" x 30" ALUMINUM (R10-5) LEFT ON GREEN ARROW ONLY SIGN SHALL BE MOUNTED BELOW EACH 3-SECTION BRACKET MOUNTED SIGNAL HEAD AS DIRECTED BY THE ENGINEER.



MAST ARM MOUNTED SIGN DETAILS
NO SCALE



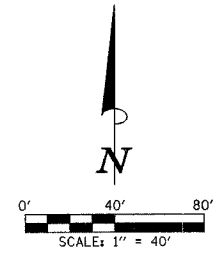
PEDESTRIAN PUSH-BUTTON SIGN DETAIL
NO SCALE

PEDESTRIAN PUSH-BUTTON SIGN SHALL BE MOUNTED ABOVE EACH PEDESTRIAN PUSH-BUTTON. THE SIGN SHALL BE ACCORDING TO SECTION 888 OF THE STANDARD SPECIFICATIONS AND SHALL BE INCLUDED IN THE COST OF THE PEDESTRIAN PUSH-BUTTON.
ALL PEDESTRIAN PUSH-BUTTON SIGNS SHALL BE ALUMINUM BLANKS WITH SHEETING. PAINTED STEEL WILL NOT BE ALLOWED.

ILLINOIS DEPARTMENT OF TRANSPORTATION

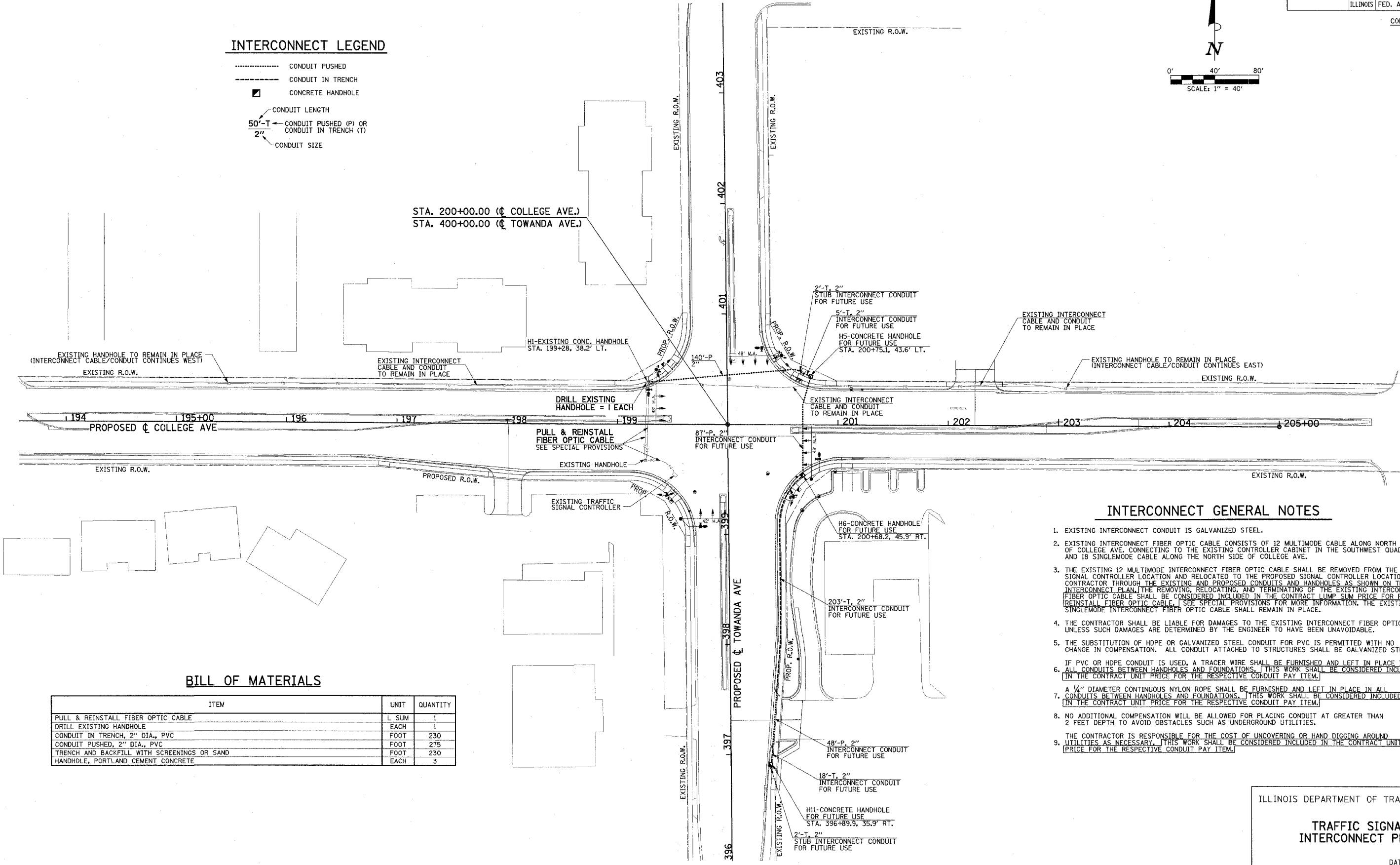
**TRAFFIC SIGNAL PLANS
TRAFFIC SIGNAL DETAILS**

SCALE : NONE
DATE : 3-07
DRAWN BY : S.M.W.
CHECKED BY : J.T.P.



INTERCONNECT LEGEND

- CONDUIT PUSHED
- CONDUIT IN TRENCH
- CONCRETE HANDHOLE
- ← CONDUIT LENGTH
- 50'-T ← CONDUIT PUSHED (P) OR CONDUIT IN TRENCH (T)
- 2" ← CONDUIT SIZE



INTERCONNECT GENERAL NOTES

1. EXISTING INTERCONNECT CONDUIT IS GALVANIZED STEEL.
2. EXISTING INTERCONNECT FIBER OPTIC CABLE CONSISTS OF 12 MULTIMODE CABLE ALONG NORTH SIDE OF COLLEGE AVE, CONNECTING TO THE EXISTING CONTROLLER CABINET IN THE SOUTHWEST QUADRANT AND 18 SINGLEMODE CABLE ALONG THE NORTH SIDE OF COLLEGE AVE.
3. THE EXISTING 12 MULTIMODE INTERCONNECT FIBER OPTIC CABLE SHALL BE REMOVED FROM THE EXISTING SIGNAL CONTROLLER LOCATION AND RELOCATED TO THE PROPOSED SIGNAL CONTROLLER LOCATION BY THE CONTRACTOR THROUGH THE EXISTING AND PROPOSED CONDUITS AND HANDHOLES AS SHOWN ON THE INTERCONNECT PLAN. THE REMOVING, RELOCATING, AND TERMINATING OF THE EXISTING INTERCONNECT FIBER OPTIC CABLE SHALL BE CONSIDERED INCLUDED IN THE CONTRACT LUMP SUM PRICE FOR PULL & REINSTALL FIBER OPTIC CABLE. SEE SPECIAL PROVISIONS FOR MORE INFORMATION. THE EXISTING 18 SINGLEMODE INTERCONNECT FIBER OPTIC CABLE SHALL REMAIN IN PLACE.
4. THE CONTRACTOR SHALL BE LIABLE FOR DAMAGES TO THE EXISTING INTERCONNECT FIBER OPTIC CABLE UNLESS SUCH DAMAGES ARE DETERMINED BY THE ENGINEER TO HAVE BEEN UNAVOIDABLE.
5. THE SUBSTITUTION OF HDPE OR GALVANIZED STEEL CONDUIT FOR PVC IS PERMITTED WITH NO CHANGE IN COMPENSATION. ALL CONDUIT ATTACHED TO STRUCTURES SHALL BE GALVANIZED STEEL.
6. IF PVC OR HDPE CONDUIT IS USED, A TRACER WIRE SHALL BE FURNISHED AND LEFT IN PLACE IN ALL CONDUITS BETWEEN HANDHOLES AND FOUNDATIONS. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE FOR THE RESPECTIVE CONDUIT PAY ITEM.
7. A 1/4" DIAMETER CONTINUOUS NYLON ROPE SHALL BE FURNISHED AND LEFT IN PLACE IN ALL CONDUITS BETWEEN HANDHOLES AND FOUNDATIONS. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE FOR THE RESPECTIVE CONDUIT PAY ITEM.
8. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PLACING CONDUIT AT GREATER THAN 2 FEET DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.
9. THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE FOR THE RESPECTIVE CONDUIT PAY ITEM.

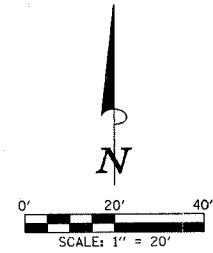
BILL OF MATERIALS

ITEM	UNIT	QUANTITY
PULL & REINSTALL FIBER OPTIC CABLE	L SUM	1
DRILL EXISTING HANDHOLE	EACH	1
CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	230
CONDUIT PUSHED, 2" DIA., PVC	FOOT	275
TRENCH AND BACKFILL WITH SCREENINGS OR SAND	FOOT	230
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	3

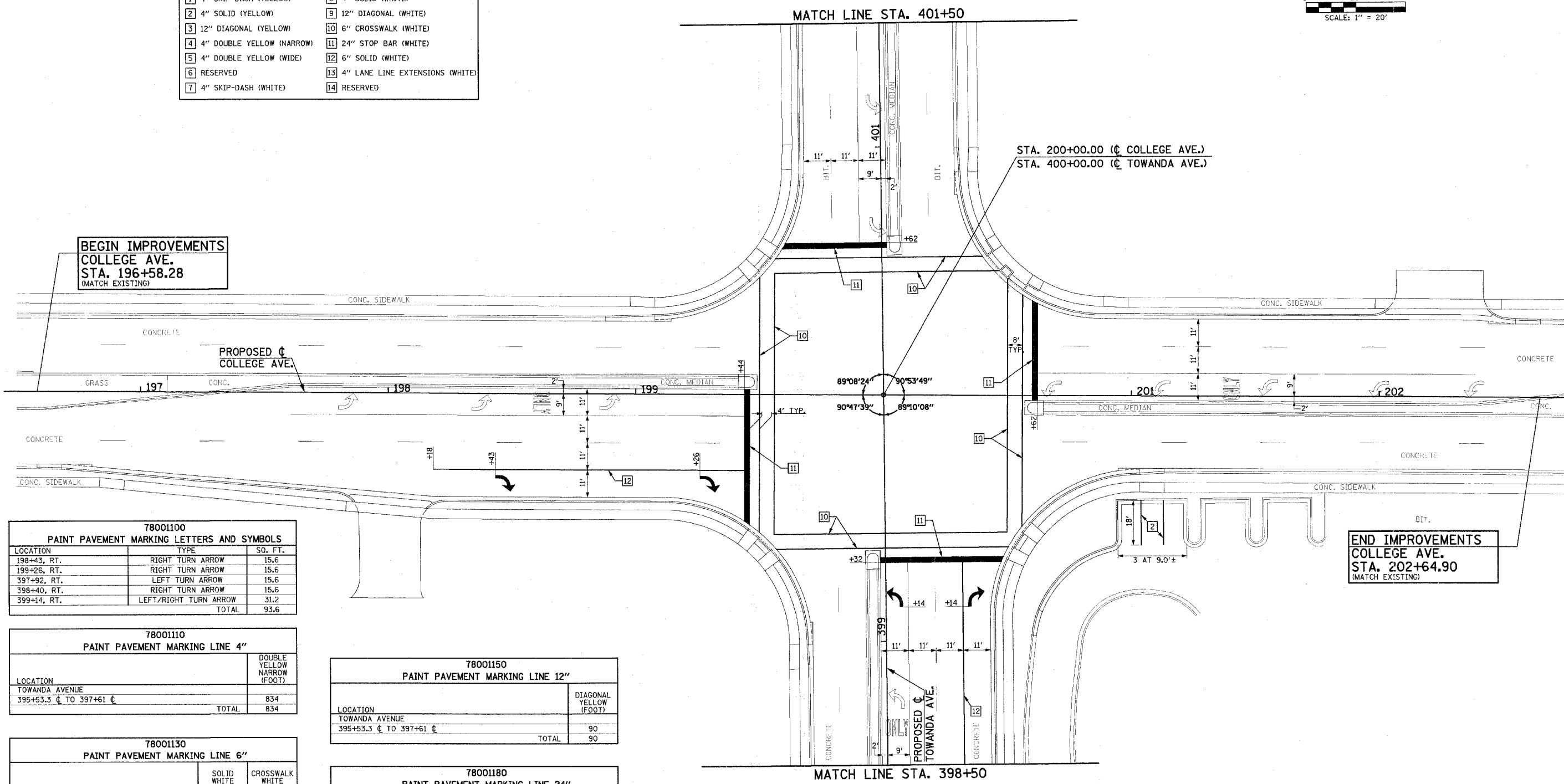
ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL INTERCONNECT PLAN

DATE : 3-07
 DRAWN BY : S.M.W.
 CHECKED BY : J.T.P.
 SCALE : 1"=40'



1 4" SKIP-DASH (YELLOW)	8 4" SOLID (WHITE)
2 4" SOLID (YELLOW)	9 12" DIAGONAL (WHITE)
3 12" DIAGONAL (YELLOW)	10 6" CROSSWALK (WHITE)
4 4" DOUBLE YELLOW (NARROW)	11 24" STOP BAR (WHITE)
5 4" DOUBLE YELLOW (WIDE)	12 6" SOLID (WHITE)
6 RESERVED	13 4" LANE LINE EXTENSIONS (WHITE)
7 4" SKIP-DASH (WHITE)	14 RESERVED



BEGIN IMPROVEMENTS
COLLEGE AVE.
STA. 196+58.28
(MATCH EXISTING)

END IMPROVEMENTS
COLLEGE AVE.
STA. 202+64.90
(MATCH EXISTING)

LOCATION	TYPE	SQ. FT.
198+43, RT.	RIGHT TURN ARROW	15.6
199+26, RT.	RIGHT TURN ARROW	15.6
397+92, RT.	LEFT TURN ARROW	15.6
398+40, RT.	RIGHT TURN ARROW	15.6
399+14, RT.	LEFT/RIGHT TURN ARROW	31.2
TOTAL		93.6

LOCATION	DOUBLE YELLOW NARROW (FOOT)
TOWANDA AVENUE 395+53.3 ¢ TO 397+61 ¢	834
TOTAL	834

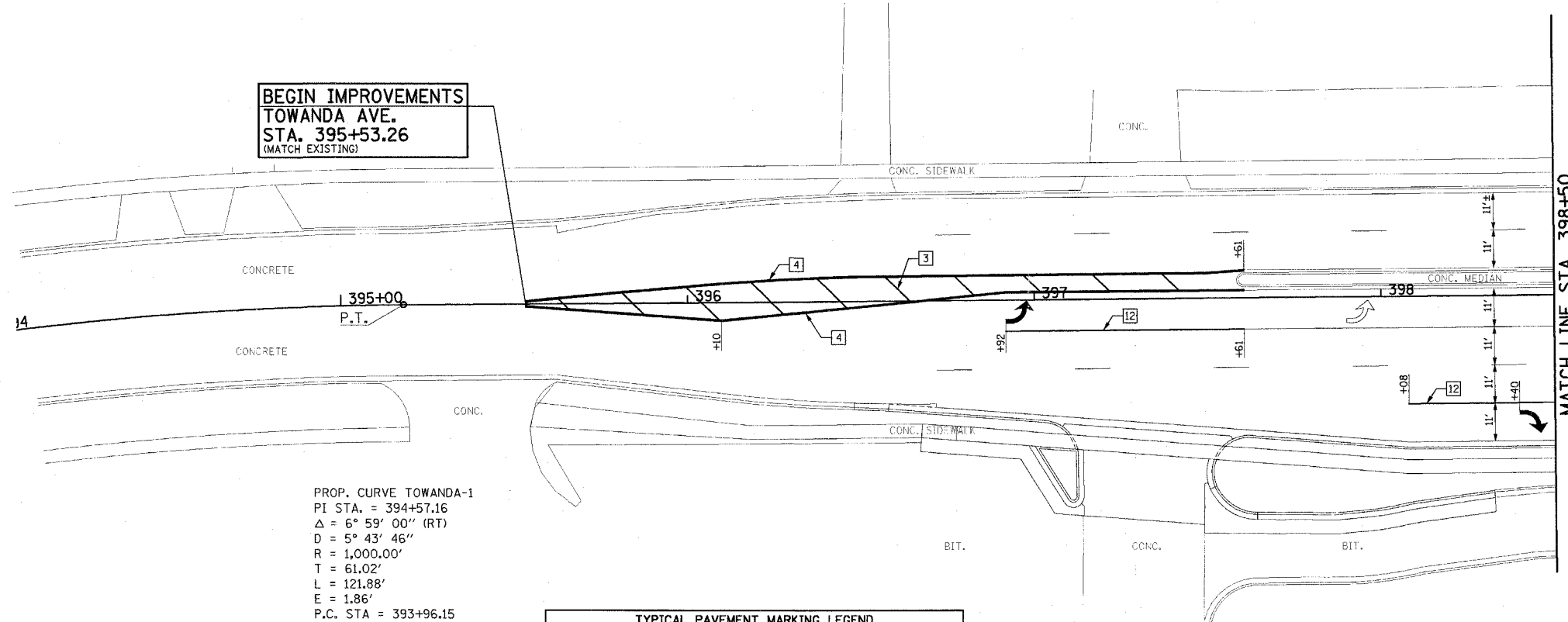
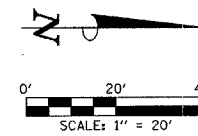
LOCATION	DIAGONAL YELLOW (FOOT)
TOWANDA AVENUE 395+53.3 ¢ TO 397+61 ¢	90
TOTAL	90

LOCATION	SOLID WHITE (FOOT)	CROSSWALK WHITE (FOOT)
COLLEGE AVENUE 198+18 RT. TO 199+44 RT.	126	
199+50 ¢ TO 199+58 ¢		209
200+48 ¢ TO 200+56 ¢		197
TOWANDA AVENUE 396+92 RT. TO 397+61 RT.	68	
398+08 RT. TO 399+32 RT.	124	
399+38 ¢ TO 399+46 ¢		188
400+48 ¢ TO 400+56 ¢		175
TOTAL	318	769

LOCATION	STOP BAR WHITE (FOOT)
COLLEGE AVENUE 199+44 ¢	55
200+62 ¢	41
TOWANDA AVENUE 399+32 ¢	50
400+62 ¢	43
TOTAL	189

F.A.U. R.T.E. 6352 6412	SECTION 02-00218-00-SP	COUNTY MCLEAN	TOTAL SHEETS 35	SHEET NO. 23
STA.		TO STA.		
ILLINOIS FED. AID PROJECT				

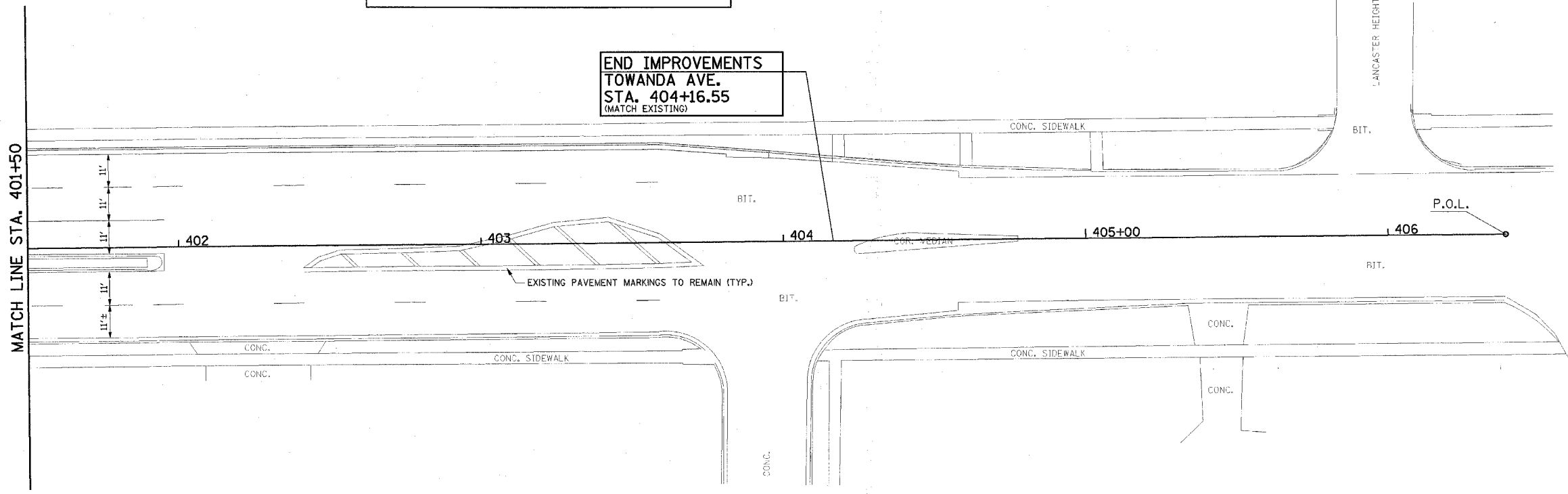
CONTRACT NO. 91363



**BEGIN IMPROVEMENTS
TOWANDA AVE.
STA. 395+53.26
(MATCH EXISTING)**

PROP. CURVE TOWANDA-1
PI STA. = 394+57.16
 $\Delta = 6^\circ 59' 00''$ (RT)
D = 5° 43' 46"
R = 1,000.00'
T = 61.02'
L = 121.88'
E = 1.86'
P.C. STA = 393+96.15
P.T. STA = 395+18.03

TYPICAL PAVEMENT MARKING LEGEND			
1	4" SKIP-DASH (YELLOW)	8	4" SOLID (WHITE)
2	4" SOLID (YELLOW)	9	12" DIAGONAL (WHITE)
3	12" DIAGONAL (YELLOW)	10	6" CROSSWALK (WHITE)
4	4" DOUBLE YELLOW (NARROW)	11	24" STOP BAR (WHITE)
5	4" DOUBLE YELLOW (WIDE)	12	6" SOLID (WHITE)
6	RESERVED	13	4" LANE LINE EXTENSIONS (WHITE)
7	4" SKIP-DASH (WHITE)	14	RESERVED



**END IMPROVEMENTS
TOWANDA AVE.
STA. 404+16.55
(MATCH EXISTING)**

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLANS

SCALE: 1"=20'
DATE: 3-07
DRAWN BY: S.M.W.
CHECKED BY: J.T.P.

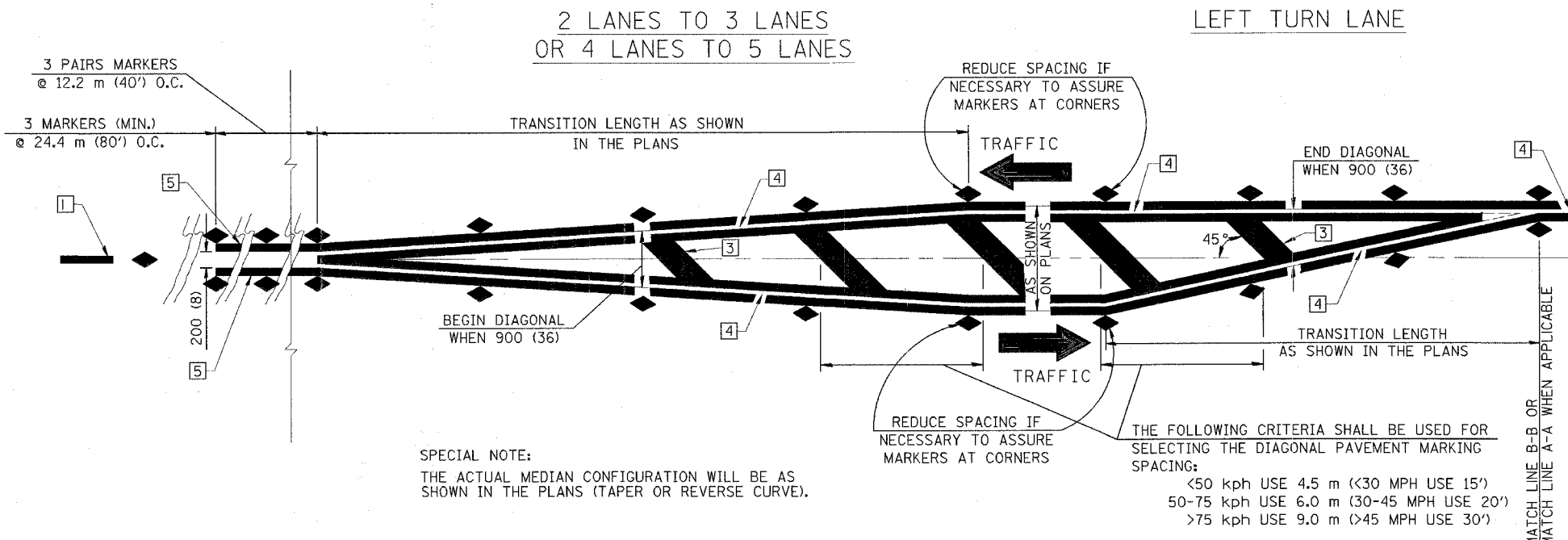
TYPICAL APPLICATIONS OF URBAN PAVEMENT MARKINGS AND MARKERS

F.A.U. RTE. 6352 6412	SECTION 02-00218-00-SP	COUNTY MCLEAN	TOTAL SHEETS 35	SHEET NO. 24
STA. _____		TO STA. _____		
ILLINOIS FED. AID PROJECT				

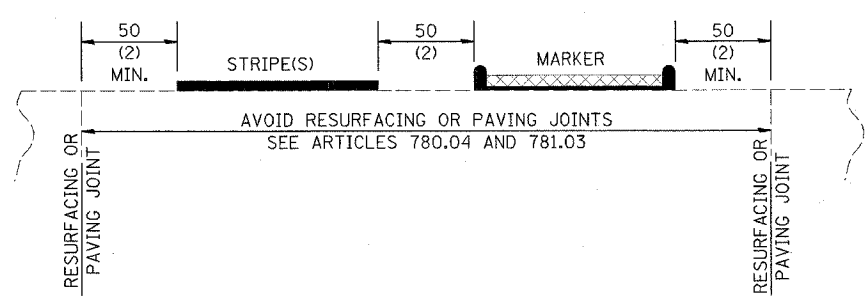
CONTRACT NO. 91363

TYPICAL PAVEMENT MARKING LEGEND

- | | |
|--|--|
| <ul style="list-style-type: none"> 1 100 (4) SKIP-DASH (YELLOW) 2 100 (4) SOLID (YELLOW) 3 300 (12) DIAGONAL (YELLOW) 4 100 (4) DOUBLE YELLOW (NARROW) 5 100 (4) DOUBLE YELLOW (WIDE) 6 RESERVED 7 100 (4) SKIP-DASH (WHITE) 8 100 (4) SOLID (WHITE) 9 300 (12) DIAGONAL (WHITE) 10 150 (6) CROSS WALK (WHITE) 11 600 (24) STOP BAR (WHITE) 12 150 (6) SOLID (WHITE) 13 100 (4) LANE LINE EXTENSIONS (WHITE) 14 RESERVED | |
|--|--|



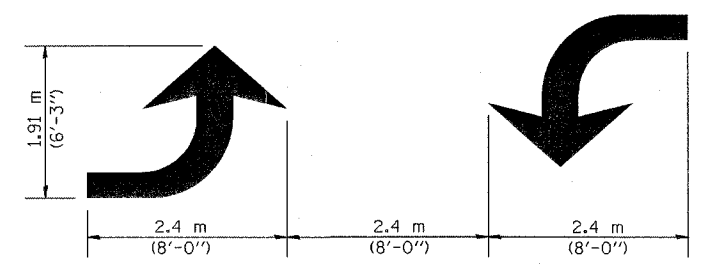
TYPICAL MEDIAN TRANSITIONS



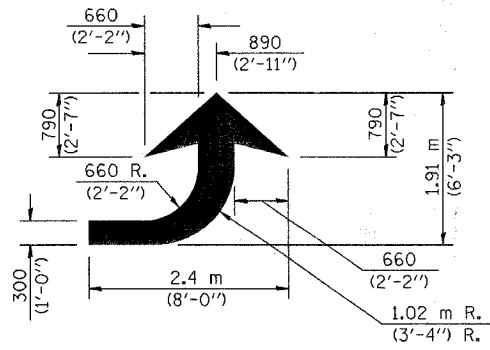
RELATIONSHIP OF STRIPES, MARKERS AND JOINTS

TYPICAL PAVEMENT MARKERS LEGEND

- ◆ TWO-WAY AMBER MARKER
- ▶ ONE-WAY AMBER MARKER
- ▷ ONE-WAY CRYSTAL MARKER



TYPICAL DOUBLE TURN ARROWS (WHITE)



LEFT ARROW
REVERSE FOR RIGHT ARROW
AREA= 1.47 m² (15.6 SQ. FT.)
(WHITE)

GENERAL NOTES

1. WHEN PAVEMENT MARKINGS ARE TO BE PLACED ADJACENT TO MEDIANS, SPECIAL DETAILS WILL BE INCLUDED ELSEWHERE IN THE PLANS.
2. SCALE: NONE
3. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
4. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
5. A STRIPING KEY IS AVAILABLE ELSEWHERE AND SHALL BE SHOWN WHERE THE QUANTITIES ARE LISTED.
6. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS

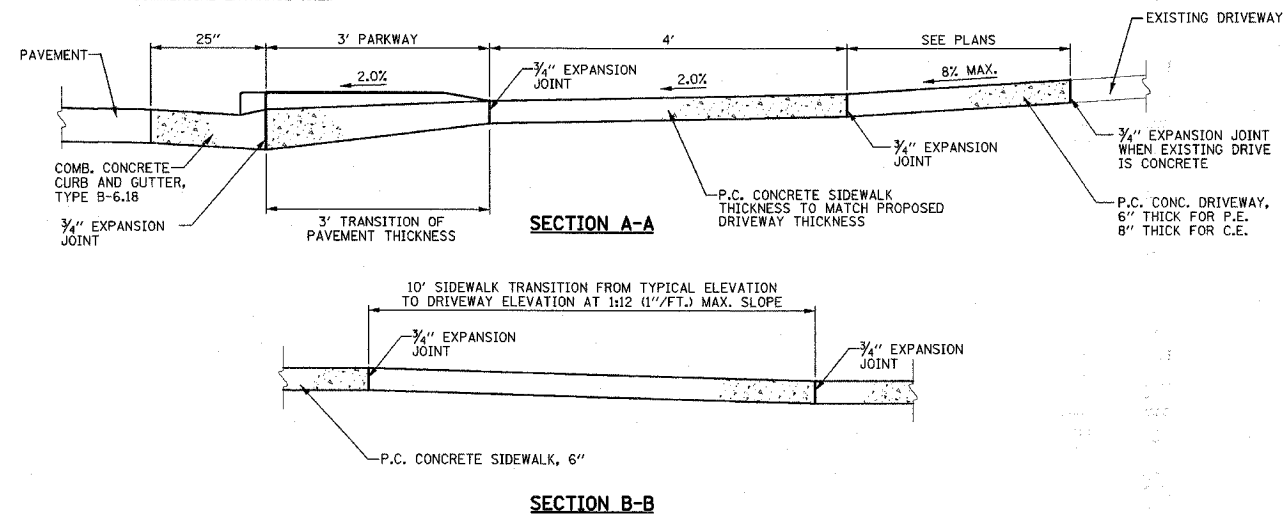
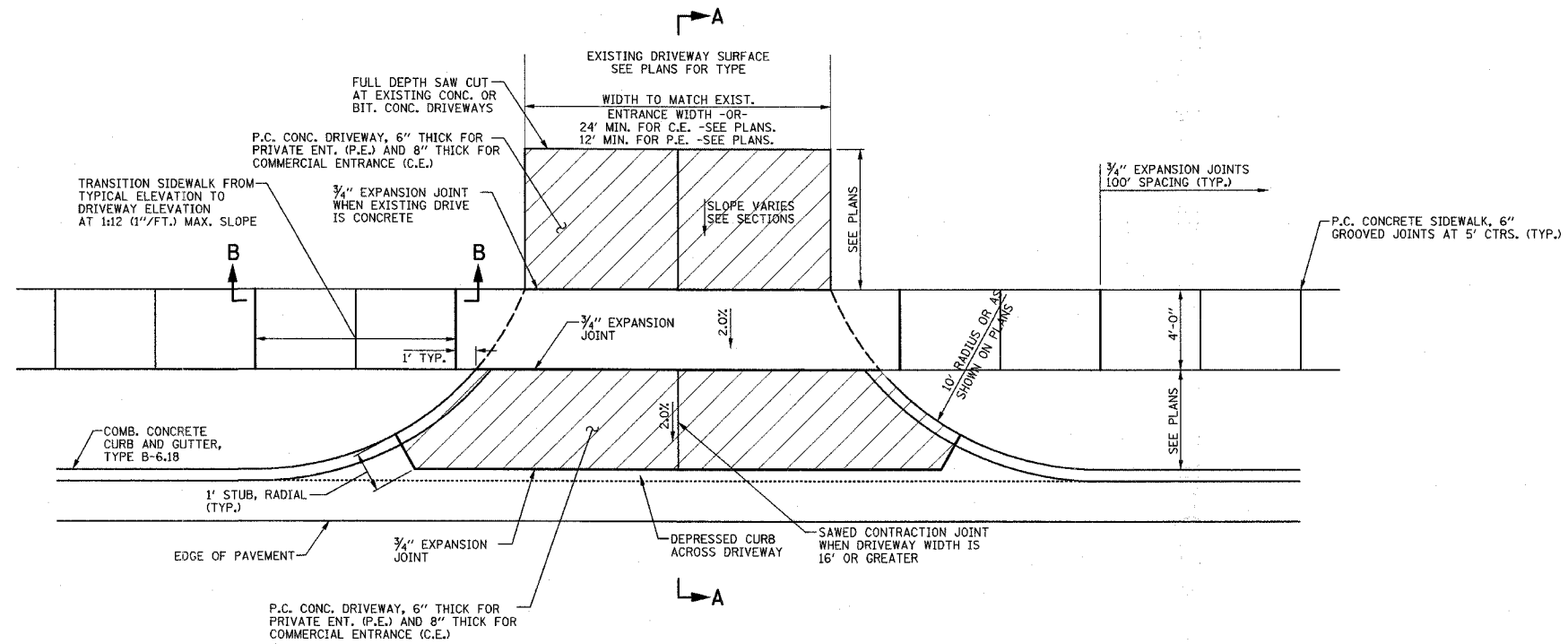
SCALE: NONE
DATE: 3-07
DRAWN BY: S.M.W.
CHECKED BY: J.T.P.

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

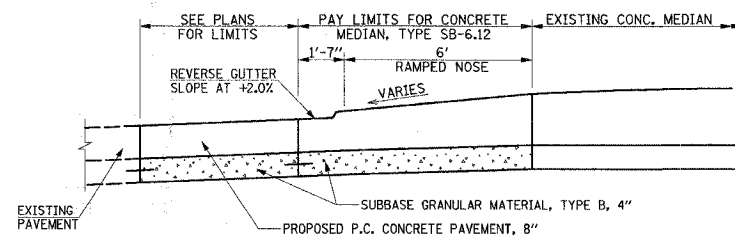
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F.A.U. RTE. 6332 6-12	SECTION 02-00218-00-SP	COUNTY MCLEAN	TOTAL SHEETS 35	SHEET NO. 25
STA.		TO STA.		
		ILLINOIS		FED. AID PROJECT

CONTRACT NO. 91363



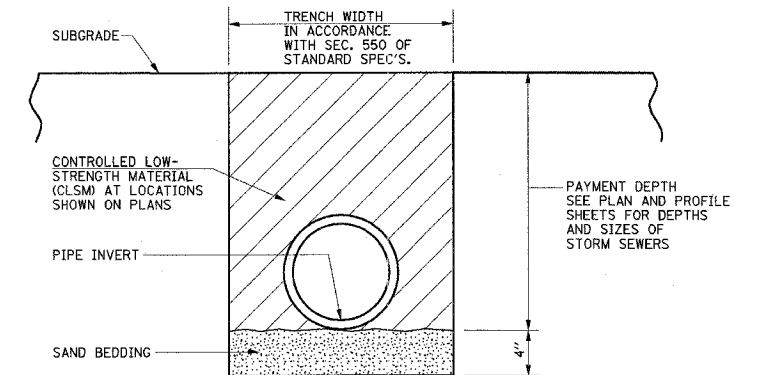
**P.C. CONCRETE DRIVEWAY DETAIL
ADJACENT TO COMB. CONC. CURB & GUTTER, TYPE B-6.18
(PRIVATE AND COMMERCIAL ENTRANCES)**



NOTES
1. THE RAMPED CONCRETE MEDIAN NOSES AT COLLEGE AVE. AND TOWANDA AVE. SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. 606301 THE RAMPED NOSES SHALL BE 6 FEET LONG MEASURED FROM THE END OF THE RAMP TO THE BACK OF THE CURB. THE RAMPED NOSES WILL BE PAID FOR AS CONCRETE MEDIAN, TYPE SB-6.12.

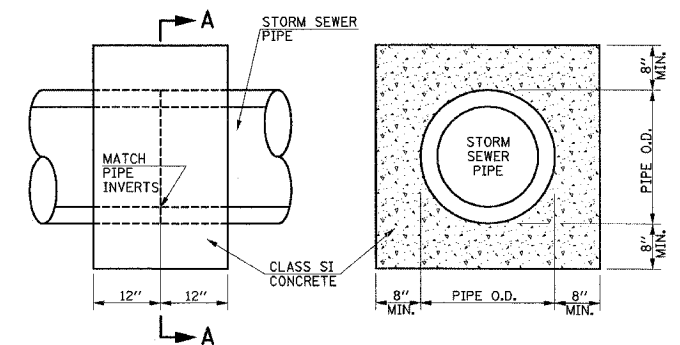
CONCRETE MEDIAN DETAILS

CONC. MEDIAN COLLEGE AVE. - STA. 199+41.34 TO 199+48.92
 STA. 200+57.00 TO 200+64.58
 CONC. MEDIAN TOWANDA AVE. - STA. 399+29.18 TO 399+36.76
 STA. 400+56.58 TO 400+64.16



NOTES:
1. THE CLSM SHALL BE PLACED IN ACCORDANCE TO SECTION 593 OF THE STANDARD SPECIFICATIONS.
 2. THE APPLICABLE ARTICLES OF SECTION 550 OF THE STANDARD SPECIFICATIONS SHALL APPLY FOR EXCAVATION, BEDDING AND INSTALLATION OF STORM SEWERS.
 3. THE SAND BEDDING SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE PER CUBIC YARD FOR CONTROLLED LOW-STRENGTH MATERIAL.

CONTROLLED LOW-STRENGTH MATERIAL DETAIL



ELEVATION

SECTION A-A

NOTE:
THE CONCRETE COLLARS SHALL BE UTILIZED WHERE CONNECTING STORM SEWERS OF DIFFERENT TYPES OR AS DIRECTED BY THE ENGINEER. THE COST OF CONSTRUCTING THE CONCRETE COLLARS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE NEW SEWER.

CONCRETE COLLAR DETAILS

NO SCALE

ILLINOIS DEPARTMENT OF TRANSPORTATION

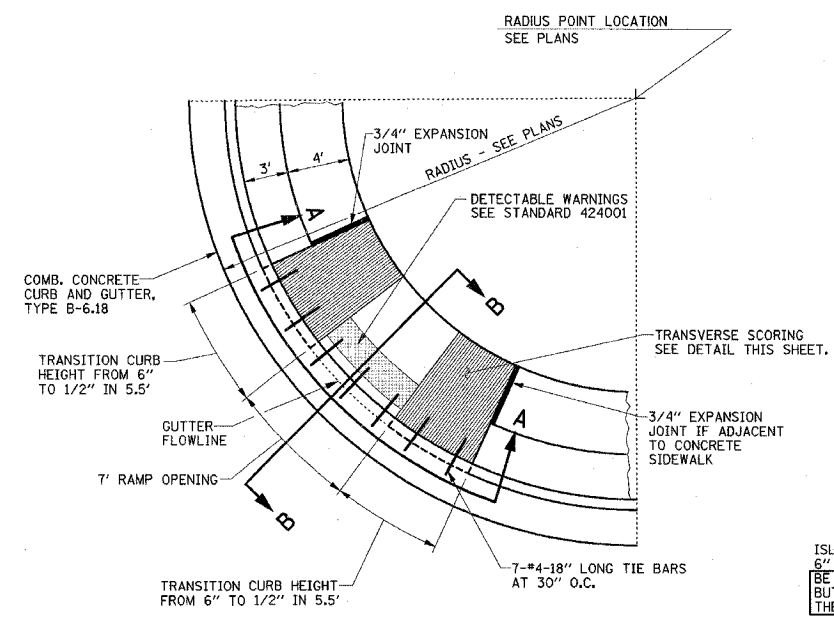
MISCELLANEOUS DETAILS

DATE : 3-07
 DRAWN BY : S.M.W.
 CHECKED BY : J.T.P.

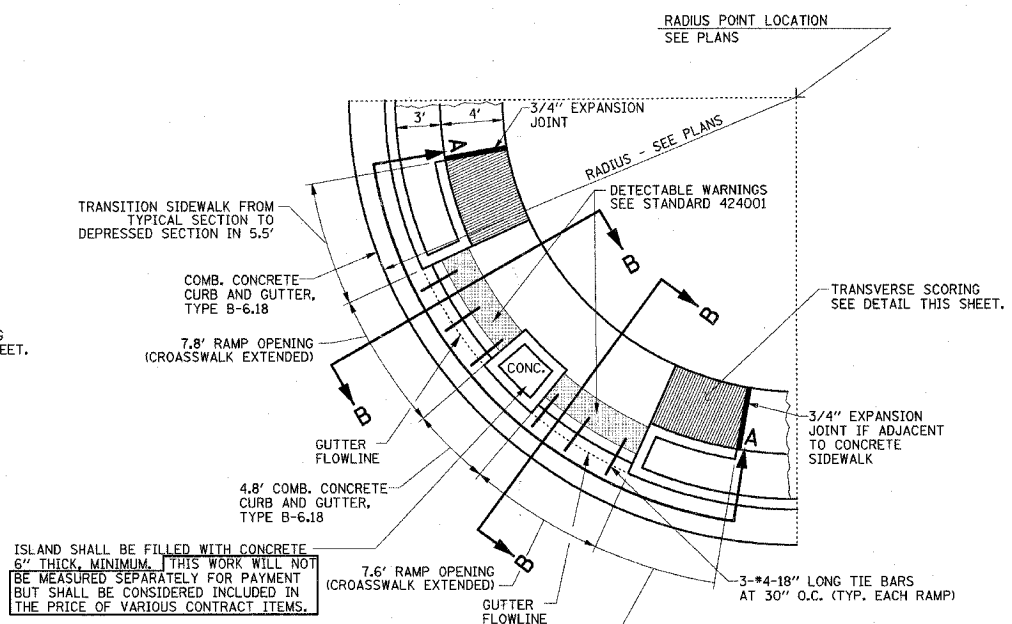
SCALE : NONE

F.A.U. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6352	02-00218-00-SP	MCLEAN	35	26
6412				
STA.	TO STA.			
	ILLINOIS		FED. AID PROJECT	

CONTRACT NO. 91363



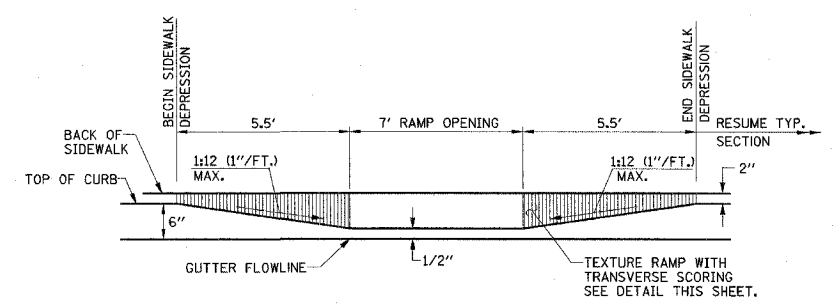
PLAN



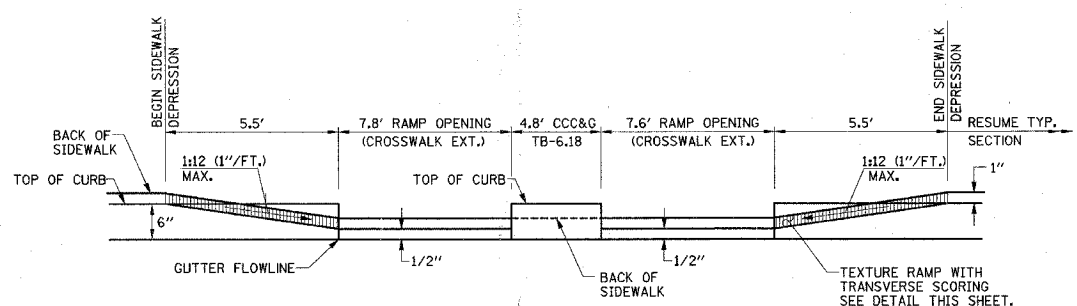
PLAN

GENERAL NOTES

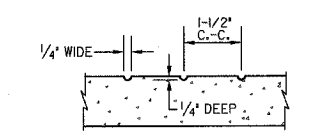
1. THE COST OF CONSTRUCTING THE DEPRESSED GUTTER OR CURB AS SHOWN SHALL BE CONSIDERED INCLUDED IN THE COST OF CONSTRUCTING THE COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.18 AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
2. THE COST OF FURNISHING AND INSTALLING THE 3/4" EXPANSION JOINTS AND THE COST OF CONSTRUCTING THE P.C.C. SIDEWALK THICKNESS TRANSITION, INCLUDING THE ADJACENT CURBING AS SHOWN, SHALL BE INCLUDED IN THE COST OF CONSTRUCTING P.C. CONCRETE SIDEWALK 6" AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
3. THE SIDEWALK TRANSITION AREA SHALL BE GIVEN A TEXTURED SURFACE BY MEANS OF CONSTRUCTING TRANSVERSE GROOVES IN THE SURFACE OF THE P.C. CONCRETE SIDEWALK RAMP. THE GROOVES MAY BE CONSTRUCTED BY TOOLING THE SURFACE OF THE CONCRETE WITH A CONCRETE FINISHING TOOL SIMILAR TO THOSE USED TO CONSTRUCT SIDEWALK CONSTRUCTION JOINTS. THE GROOVES SHALL BE NOMINALLY 1/4" DEEP AND 1/4" WIDE AND SHALL BE CONSTRUCTED AT ONE AND ONE HALF INCHES (1 1/2") CENTER TO CENTER ACROSS THE ENTIRE WIDTH AND LENGTH OF THE SLOPED RAMP. THE GROOVES SHOULD BE CONSTRUCTED IN STRAIGHT PARALLEL LINES TRANSVERSE TO THE DIRECTION OF PEDESTRIAN TRAVEL. THIS WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED WITHIN THE CONTRACT UNIT PRICE FOR P.C. CONCRETE SIDEWALK 6".
4. THE NORMAL CROSS SLOPES OF SIDEWALKS SHALL BE 2.0% EXCEPT AT THE RAMP LOCATIONS.
5. TRANSVERSE GROOVED JOINTS IN SIDEWALKS SHALL BE PLACED AT 5' CENTERS AND 3/4" EXPANSION JOINTS AT 100' CENTERS.
6. THE DETECTABLE WARNINGS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD 424001 AND THE SPECIAL PROVISIONS. THE DETECTABLE WARNINGS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR DETECTABLE WARNINGS.



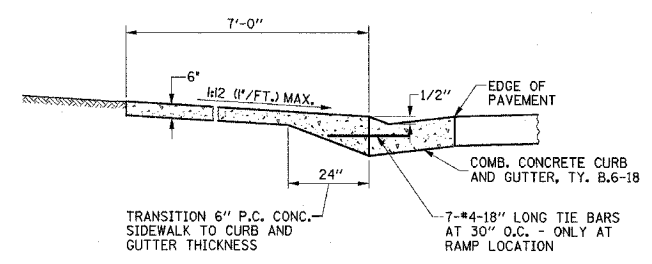
SECTION A-A



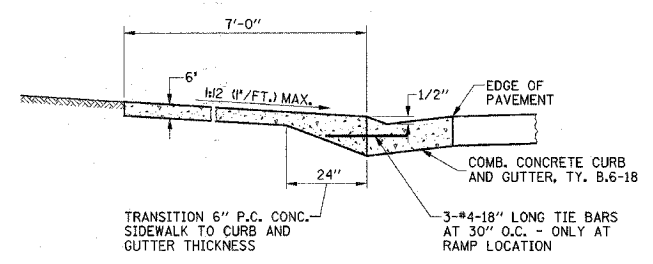
SECTION A-A



TRANSVERSE SCORING DETAIL



SECTION B-B



SECTION B-B

SIDEWALK RAMP DETAILS
NW, SW, SE QUADRANTS

SIDEWALK RAMP DETAILS
NE QUADRANT

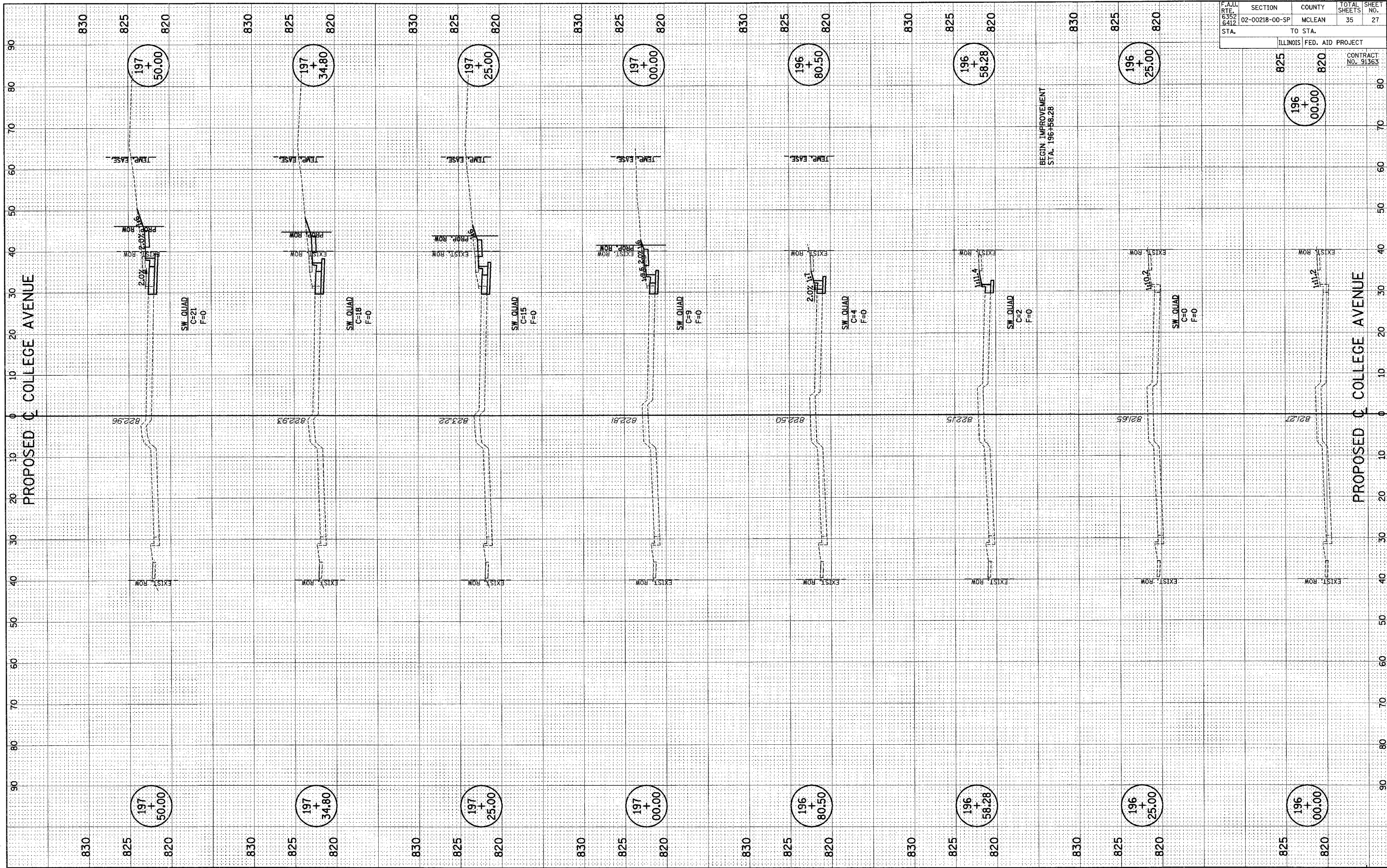
ILLINOIS DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS DETAILS

DATE : 3-07
DRAWN BY : S.M.W.
CHECKED BY : J.T.P.
SCALE : NONE

FINAL SURVEY	DATE
SUPPLEMENT	
PLAT	
NOTE BOOK	
TEMP. EASE.	
AREAS CHECKED	
NO.	

ORIGINAL SURVEY	DATE
SUPPLEMENT	
PLAT	
NOTE BOOK	
TEMP. EASE.	
AREAS CHECKED	
NO.	



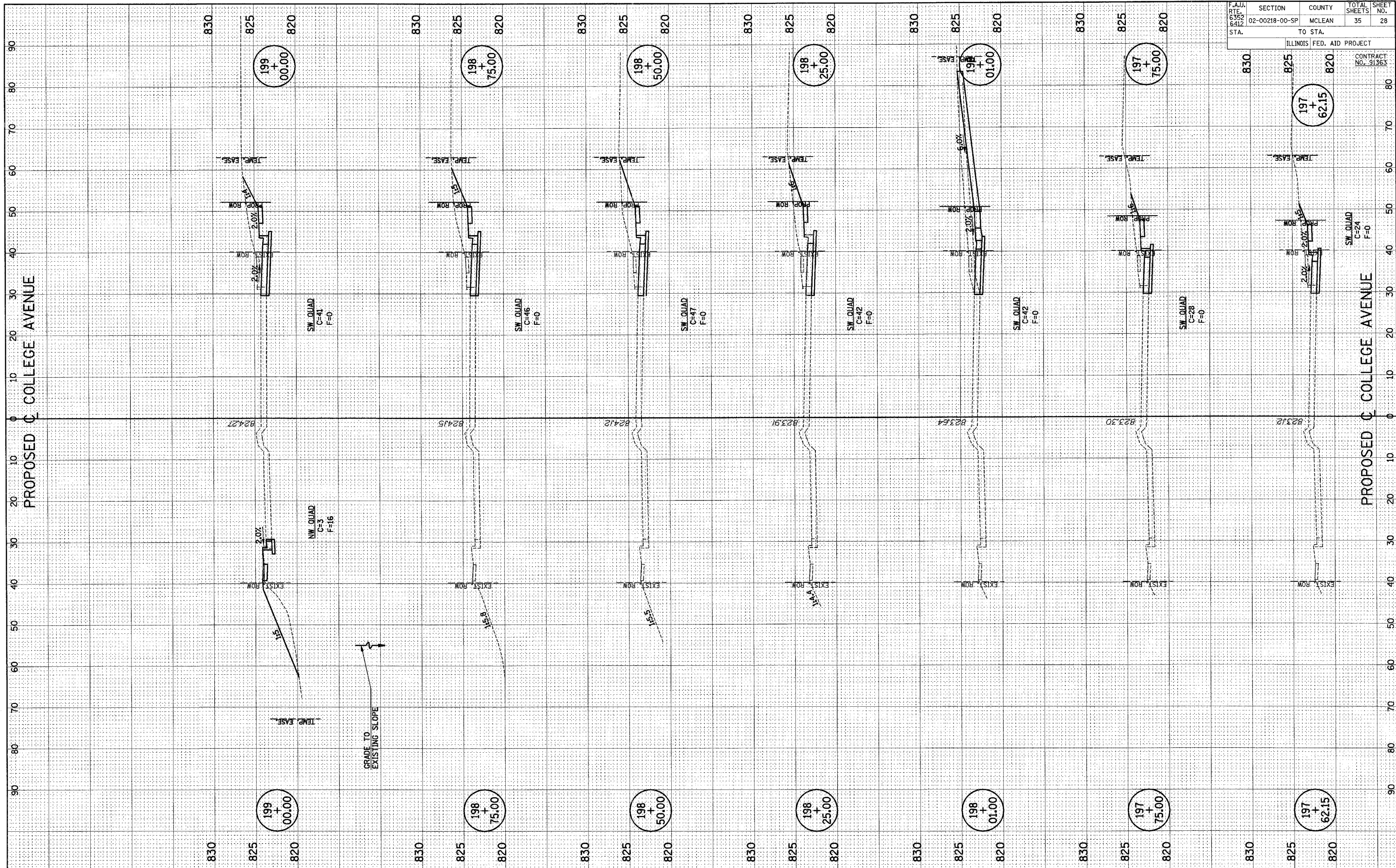
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6352	02-00218-00-SP	MCLEAN	35	27
6412				
STA.	TO STA.			
ILLINOIS FED. AID PROJECT				
825	820	CONTRACT No. 91363		

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FINAL	SUPERSED	DATE
SHEET	PLOTTED	
NOTE BOOK	TEMPLATE	
NO.	AREAS OFFSEED	

ORIGINAL	REVISION	DATE
SURVEY	PLOTTED	
NOTE BOOK	TEMPLATE	
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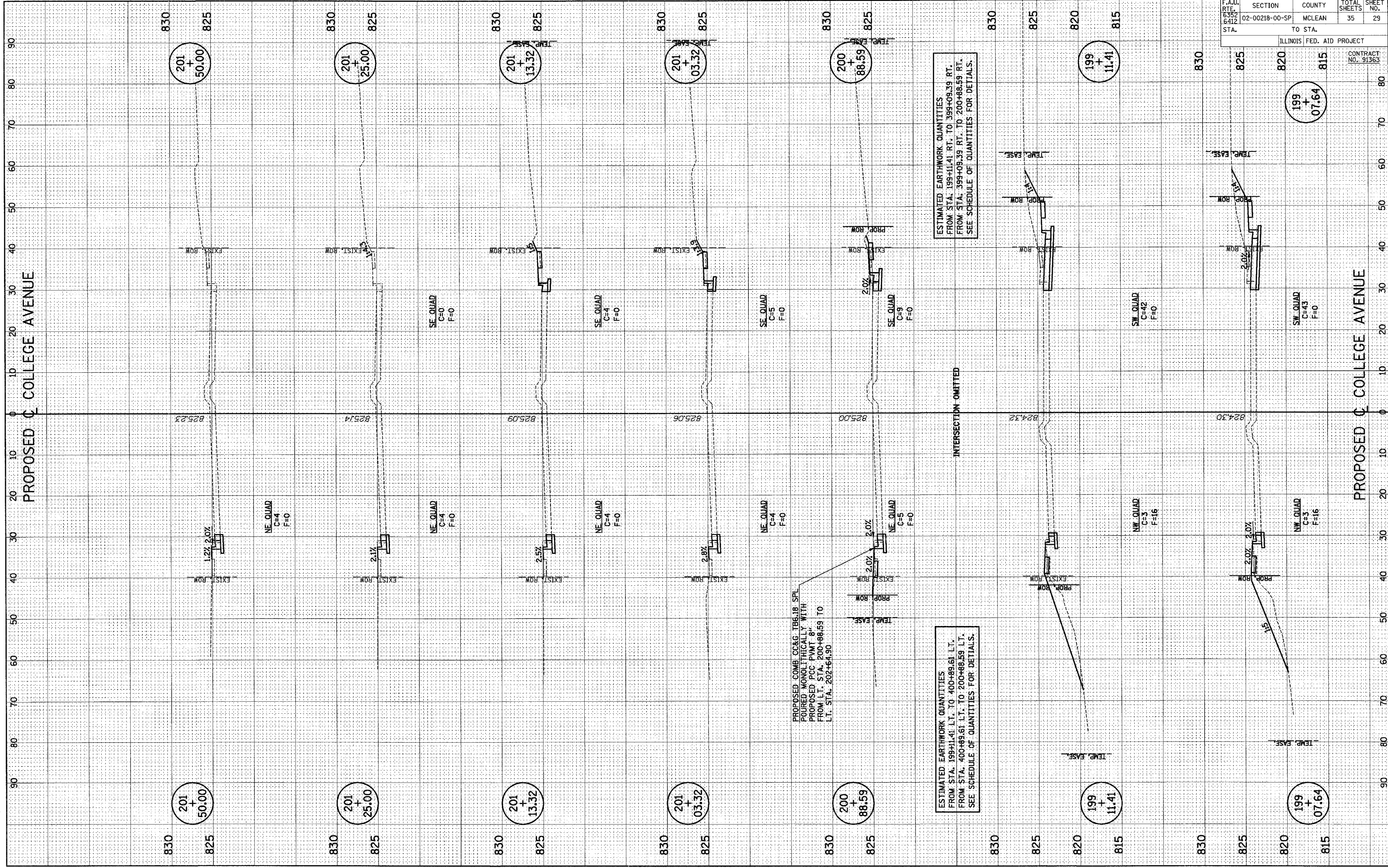
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STA. TO STA.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 31363	



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FINAL SURVEY	SURVEYED	DATE
DATE	DATE	
NO.	NO.	

ORIGINAL SURVEY	SURVEYED	DATE
DATE	DATE	
NO.	NO.	



ESTIMATED EARTHWORK QUANTITIES
 FROM STA. 199+11.41 RT. TO 399+08.39 RT.
 FROM STA. 399+08.39 RT. TO 200+88.59 RT.
 SEE SCHEDULE OF QUANTITIES FOR DETAILS.

ESTIMATED EARTHWORK QUANTITIES
 FROM STA. 199+11.41 LT. TO 400+88.61 LT.
 FROM STA. 400+88.61 LT. TO 200+88.59 LT.
 SEE SCHEDULE OF QUANTITIES FOR DETAILS.

PROPOSED CONC. CC&G. T&G. 18" SPL
 POURED MONOLITHICALLY WITH
 PROPOSED FCC. PWT 8"
 FROM LT. STA. 200+88.59 TO
 LT. STA. 202+64.90

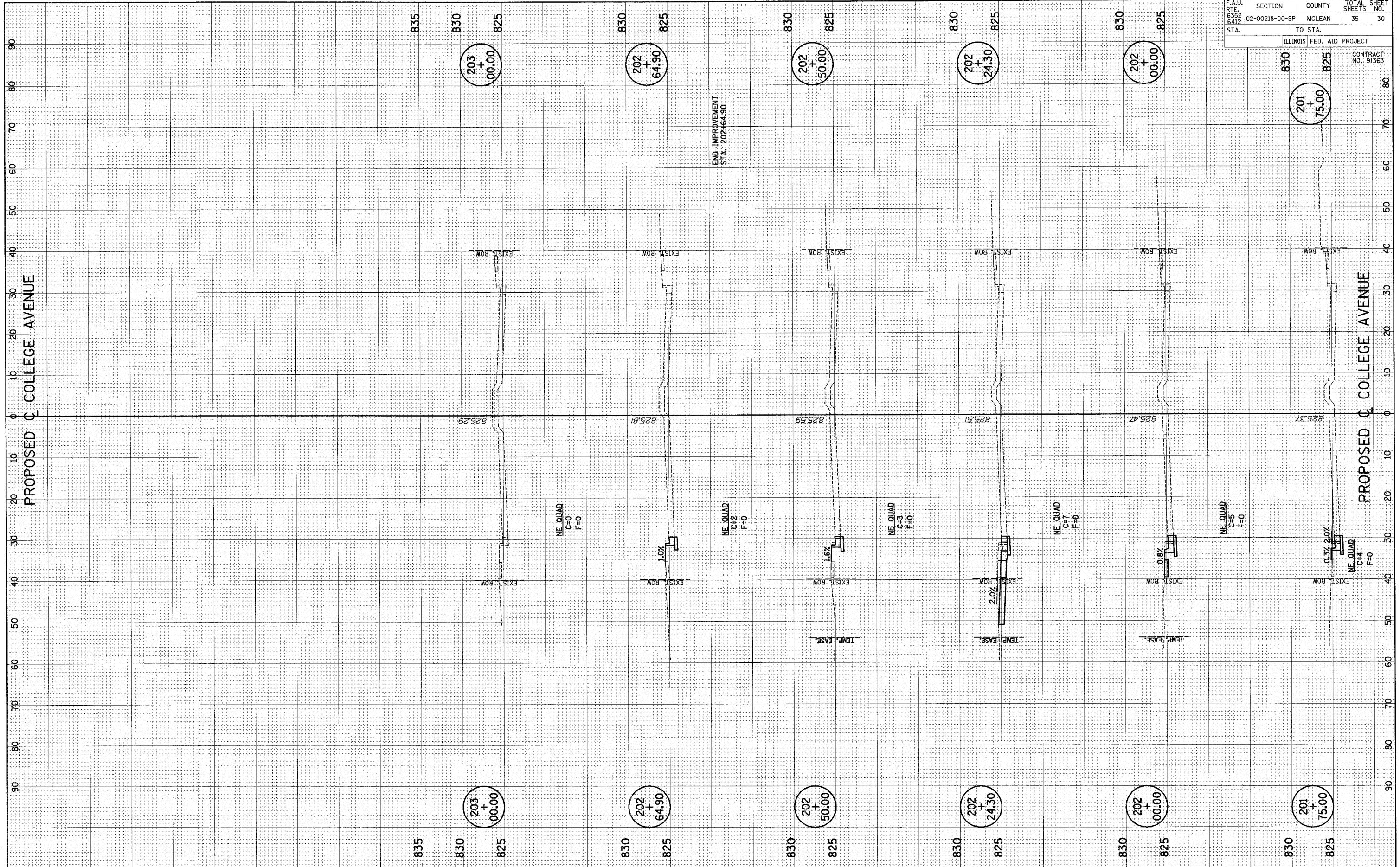
INTERSECTION OMITTED

F.A.U. RT. 6412	SECTION 02-00218-00-SP	COUNTY MCLEAN	TOTAL SHEETS 35	SHEET NO. 29
STA.	TO STA.		ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 91363	

FINAL	SURVEYED	DATE
SHEET	PLOTTED	BY
NOTE BOOK	TEMPLATE	
NO.	AREAS	EMPHASIZED

ORIGINAL	SURVEYED	DATE
SHEET	PLOTTED	BY
NOTE BOOK	TEMPLATE	
NO.	AREAS	EMPHASIZED

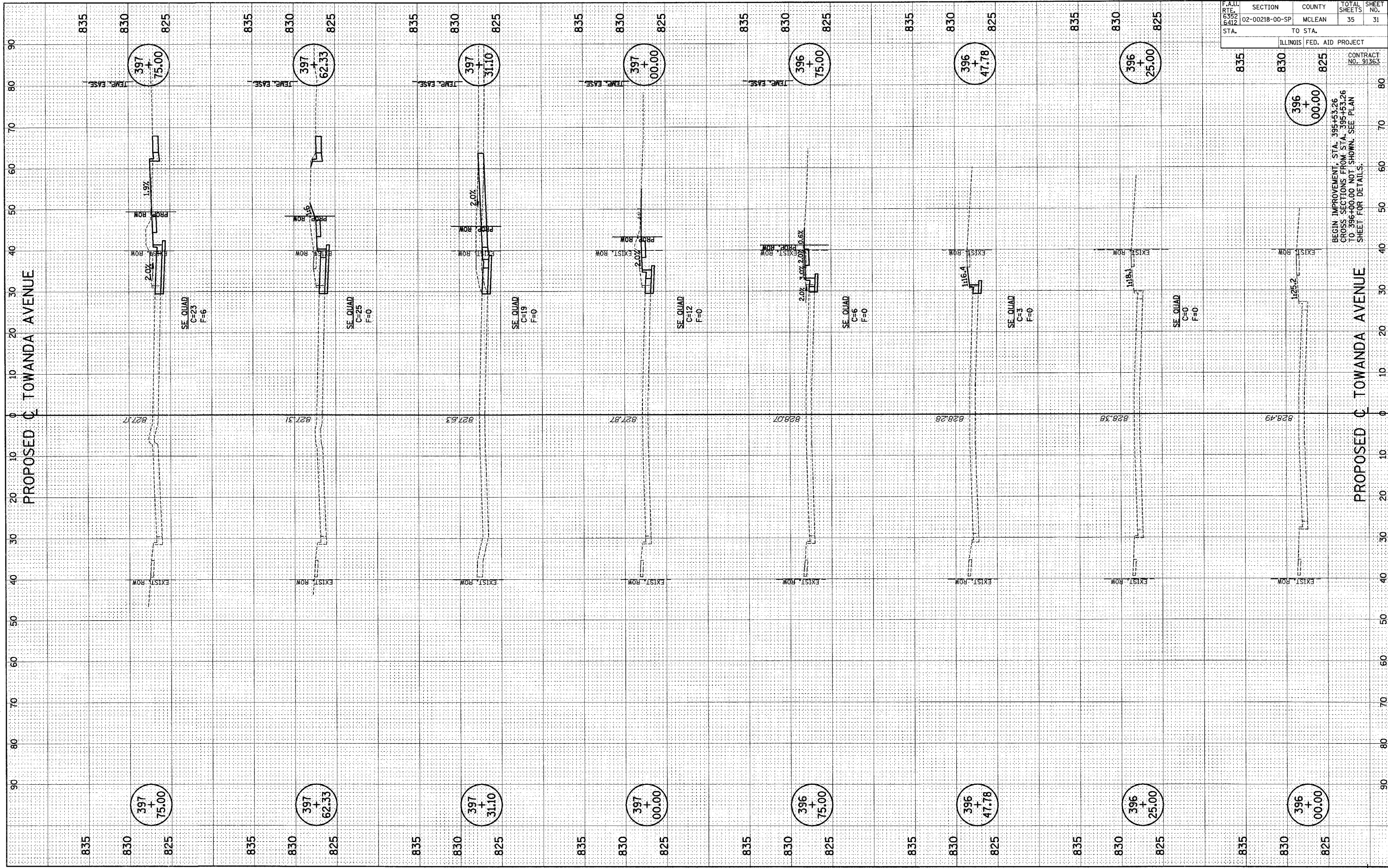
F.A.U. SECTION COUNTY TOTAL SHEETS SHEET NO.
6412 02-00218-00-SP MCLEAN 35 30
STA. TO STA. ILLINOIS FED. AID PROJECT
CONTRACT NO. 91363



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FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
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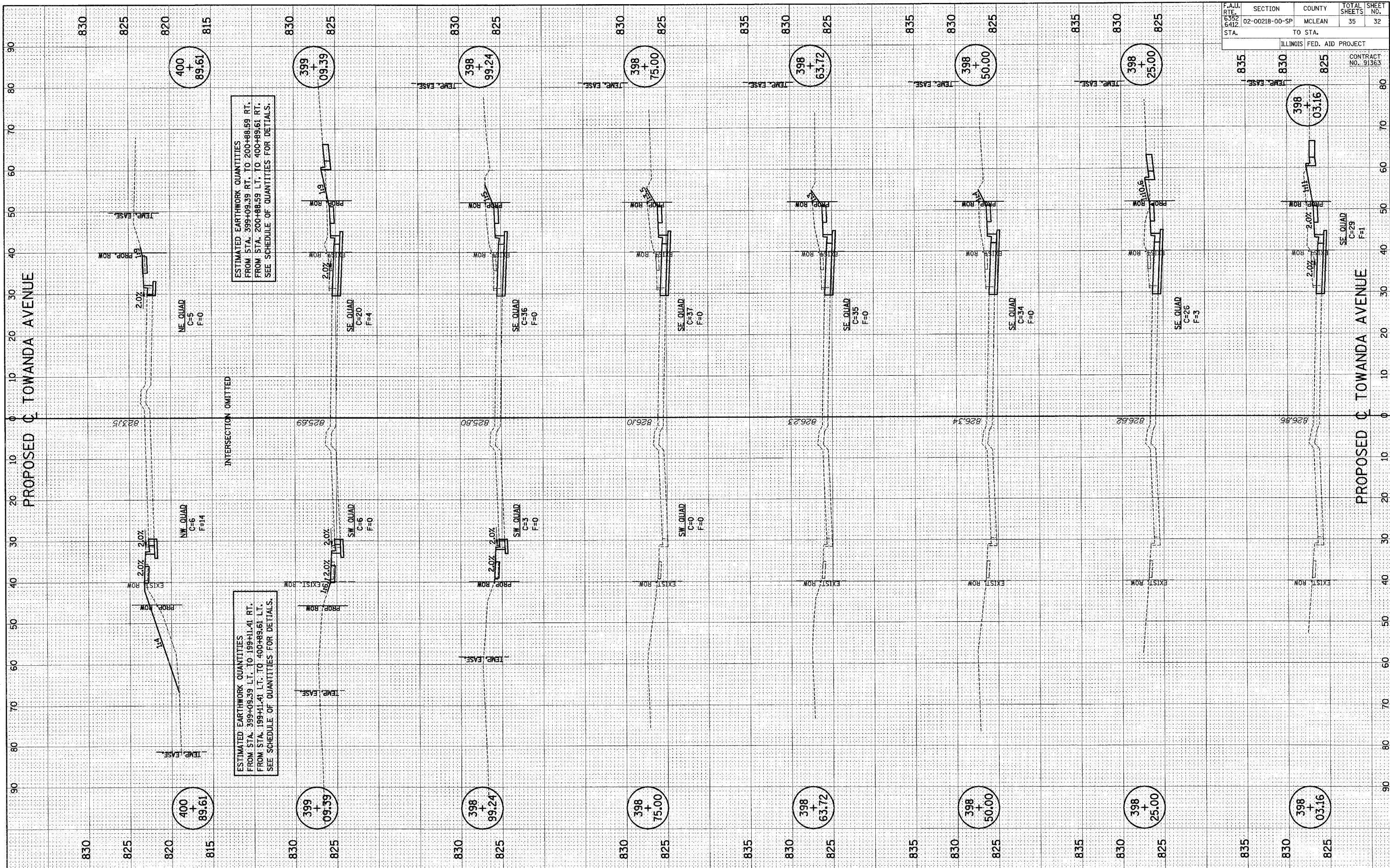
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02-00218-00-SP	MCLEAN	35	31
STA.	TO STA.	ILLINOIS FED. AID PROJECT	

CONTRACT NO. 91363	
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BEGIN IMPROVEMENT STA. 395+53.26
 CROSS SECTIONS FROM STA. 395+53.26
 TO 396+00.00 NOT SHOWN. SEE PLAN
 SHEET FOR DETAILS.

FINAL SURVEYED	DATE
DRAWN	
NOTE BOOK	
AREAS CHECKED	

ORIGINAL SUPPLY	DATE
DRAWN	
NOTE BOOK	
AREAS CHECKED	

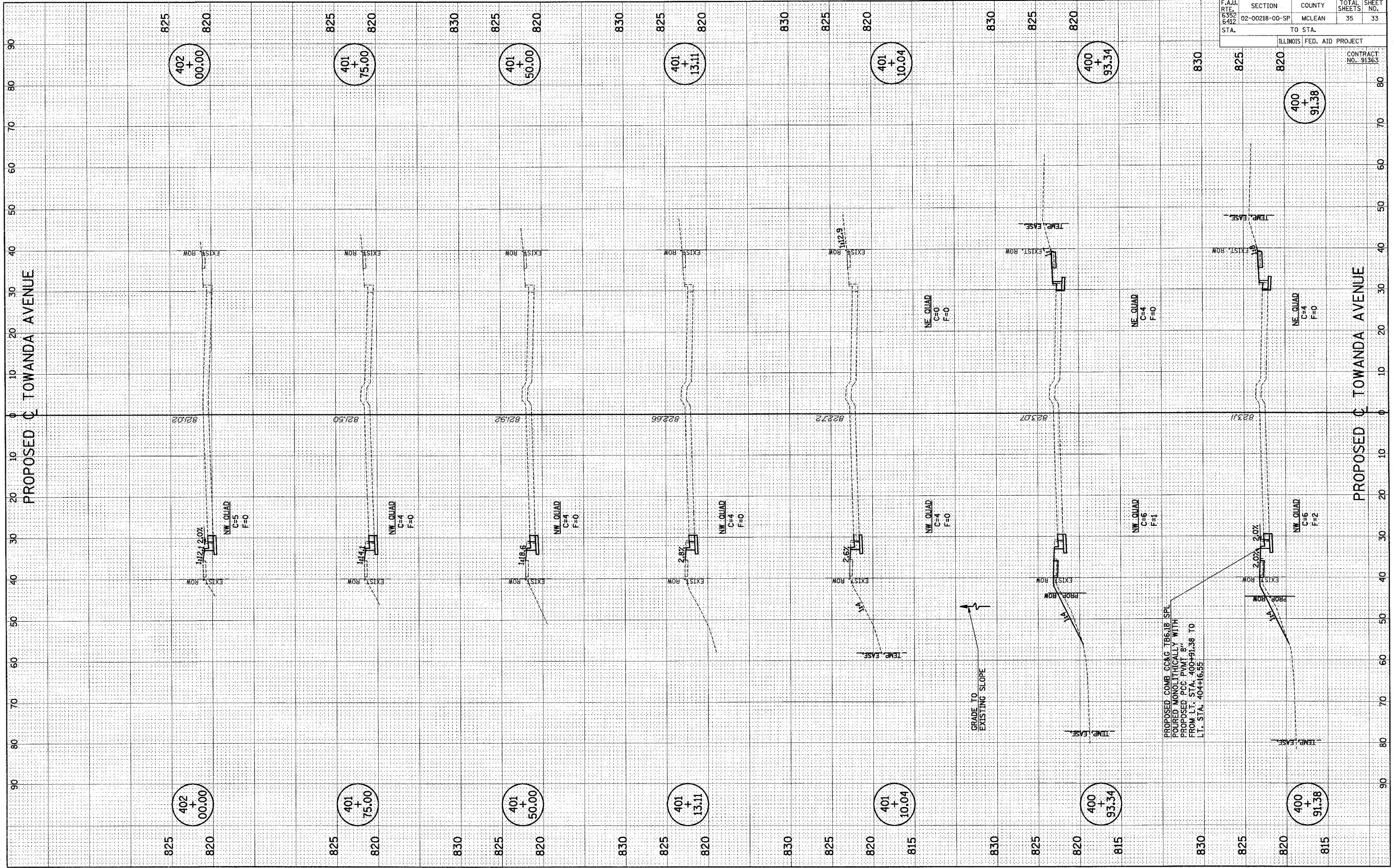


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STA.	TO STA.		ILLINOIS FED. AID PROJECT	
835	830	825	CONTRACT NO. 91363	

FINAL	SUBMITTED	DATE
SHEET	PLOTTED	
NOTE BOOK	TEMP. A/E	
NO.	AREAS ORDERED	

ORIGINAL	SUBMITTED	DATE
SHEET	PLOTTED	
NOTE BOOK	TEMP. A/E	
NO.	AREAS ORDERED	

F.A.U. 02-00218-00-SP	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA.	TO STA.		ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 91363	

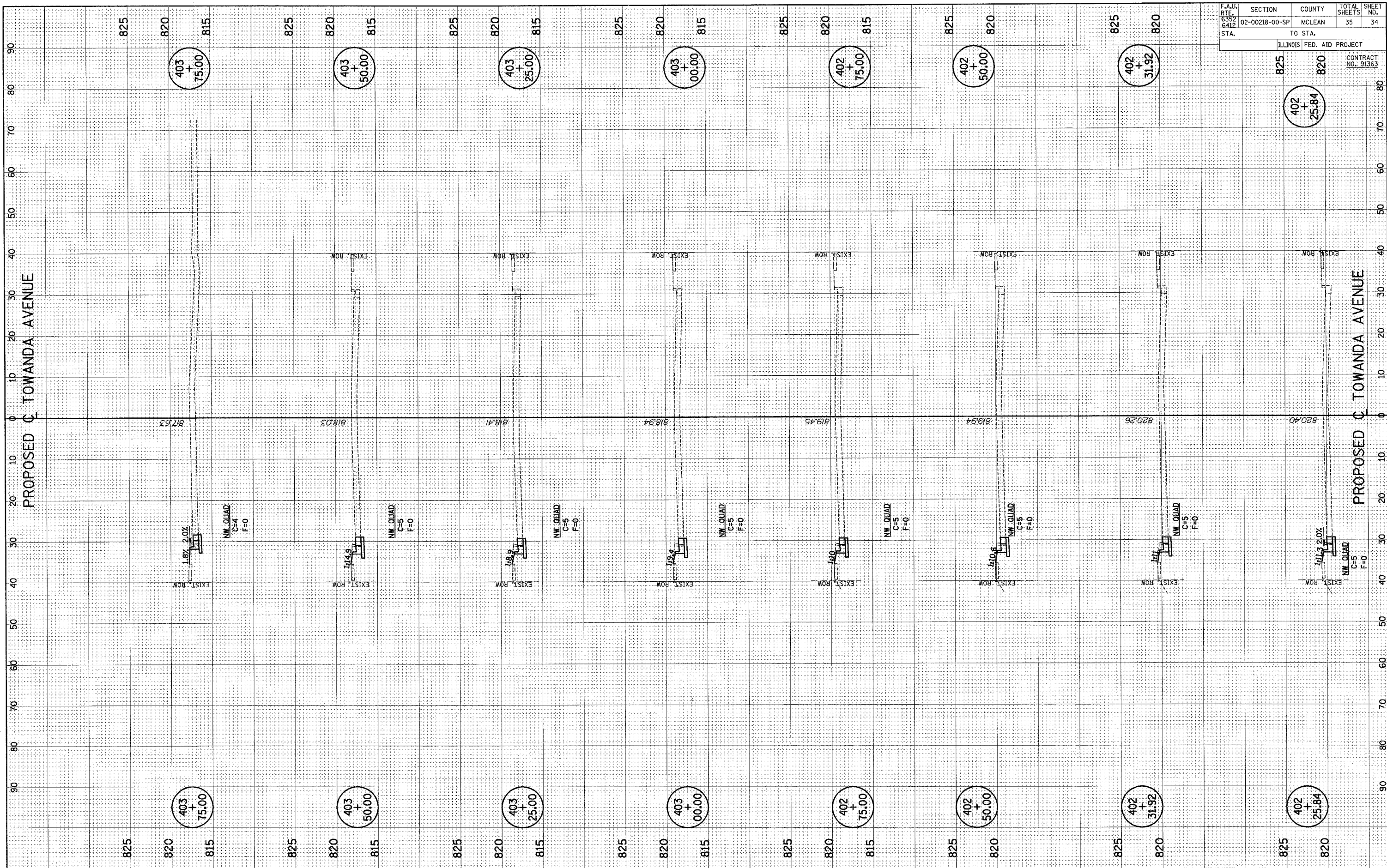


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FINAL	DATE
SURVEY	BY
PLOTTED	
NOTE BOOK	
TEMPLATE	
AREAS CHECKED	
NO.	

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

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6352	02-00218-00-SP	MCLEAN	35	34
6412				
STA.	TO STA.		ILLINOIS FED. AID PROJECT	
	825	820	CONTRACT NO. 91363	



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

F.A.U. RTE. 6352 6412	SECTION 02-00218-00-SP	COUNTY MCLEAN	TOTAL SHEETS 35	SHEET NO. 35
STA.	TO STA.		ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 91363	

