CONTRACT NO. 91391

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTION
DIVISION OF HIGHWAYS

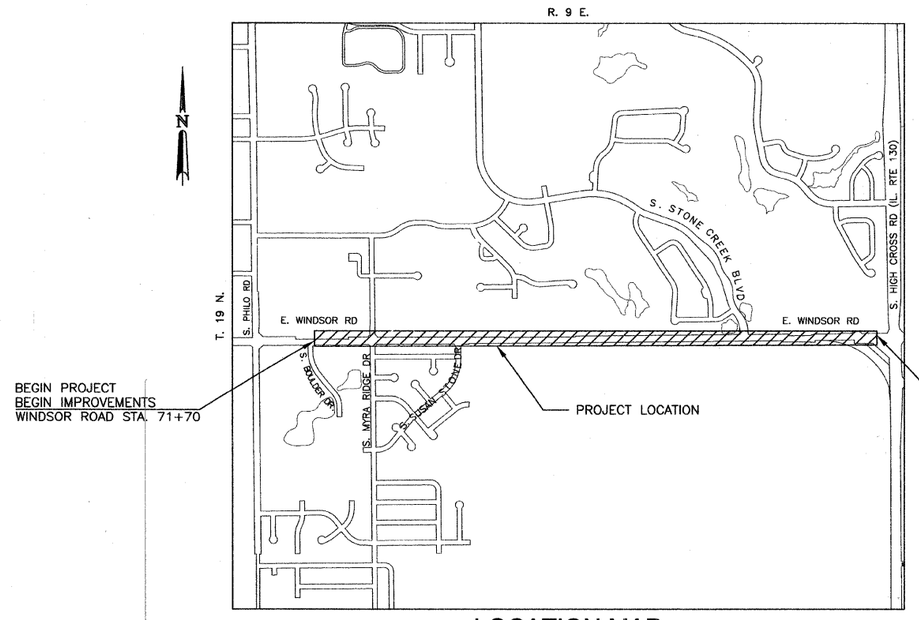
PLANS FOR PROPOSED FEDERAL AID HIGHWAY

INDEX OF SHEETS

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

CITY OF URBANA
CHAMPAIGN COUNTY, ILLINOIS
SECTION NO. 00-00361-00-PV
PROJECT ARA - M-5181(40)
JOB NO. C-95-316-08

WINDSOR ROAD
F.A.U. ROUTE 7145



LOCATION MAP
(NOT TO SCALE)

FUNCTIONAL CLASSIFICATION = ARTERIAL

ADT = 17,900

DESIGN DESIGNATION – 1790(29) ARTERIAL 2.02 (FD -20)

TOTAL LENGTH OF PROJECT = 6,980 FEET = 1.32 MILES
TOTAL LENGTH OF IMPROVEMENT = 6,980 FEET = 1.32 MILES

CITY ENGINEER SEAL
WILLIAM ROBERT GRAY
37897
REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS

LICENSE EXPIRES
11/30/09

Prepared by
CITY OF URBANA
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

APPROVED:
William R. Gray 1/6/09
Public Works Director/City Engineer — Date

CHAMPAIGN COUNTY
HIGHWAY DEPARTMENT

APPROVED:
Jeff Blue 1-6-09
County Engineer — Date

Illinois Department of Transportation

PASSED 1-21 20 09
David A Gold
DISTRICT FIVE ENGINEER OF
LOCAL ROADS & STREETS

Releasing For Bid Based on Limited Review 1-22 20 09
Joseph E Corwin
DEPUTY DIRECTOR OF HIGHWAYS,
REGION THREE ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

City of Urbana – Cunningham Township

811 Know what's below. Call before you dig.

Call Before You Dig — TULIE — ILLINOIS ONE CALL SYSTEM

SHEET NO. 1 OF 145

JAN 06 2009 1:00PM COVER.DWG

CONTRACT NO. 91391

GENERAL NOTES

GENERAL NOTES

1. ALL ELEVATIONS SHOWN ARE REFERRED TO THE N.G.V.D. 29 DATUM.
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 WATER MAIN AND SEWER CONSTRUCTION" IS USED IT SHALL BE UNDERSTOOD BY THE CONTRACTOR TO MEAN THE "STANDARD SPECIFICATIONS FOR WATER MAIN 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 OF TRANSPORTATION AS SHOWN ON THE HIGHWAY STANDARDS AND LEGEND SHEET.
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 AND LOCAL 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 PLANS.
10. 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.

UTILITIES

11. UTILITIES WERE PLOTTED FROM INFORMATION FURNISHED BY THE VARIOUS UTILITY COMPANIES INVOLVED AND THEIR ACCURACY SHOULD BE CONSIDERED APPROXIMATE ONLY. NO RESPONSIBILITY IS ACCEPTED FOR THE LOCATIONS AS SHOWN OR THAT ALL LINES ARE SHOWN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THEIR EXACT LOCATION AND TO PROTECT THE SAME.
12. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE J.U.L.I.E. NUMBER IS 800-892-0123. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED.
14. THE FOLLOWING IS A LIST OF UTILITY COMPANIES LOCATED ALONG THIS SECTION. THE UTILITY OWNERS MARKED WITH AN "*" BELONG TO J.U.L.I.E.

    *ILLINOIS AMERICAN WATER (WATER)

    *AMEREN ILLINOIS POWER COMPANY (ELECTRIC AND GAS)

    *AT&T (COMMUNICATIONS)

    *MCLEOD USA (COMMUNICATIONS)

    *COMCAST (CATV)

    *URBANA CHAMPAIGN SANITARY DISTRICT (SANITARY SEWER INTERCEPTORS)

    *CITY OF URBANA (STORM AND SANITARY SEWERS, STREETLIGHTS, TRAFFIC SIGNALS)

15. 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 INCLUDED WITHIN THE CONTRACT UNIT PRICE FOR EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

EARTHWORK – REMOVALS

16. 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. THE REMAINING EXCAVATION IS CLASSIFIED AS REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL, PAVEMENT REMOVAL, DRIVEWAY PAVEMENT REMOVAL, SIDEWALK REMOVAL AND CURB AND GUTTER REMOVAL.
17. ONLY EXISTING PAVEMENT, BASE COURSES AND DRIVEWAY PAVEMENTS COMPOSED OF PORTLAND CEMENT CONCRETE OR BITUMINOUS CONCRETE AS IDENTIFIED IN THE PLANS 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.
18. IT WILL BE NECESSARY TO UNDERCUT AND REMOVE EARTH AND ORGANIC MATERIAL BELOW THE PROPOSED PAVEMENT SYSTEM AT LOCATIONS SHOWN ON THE PLANS. ALL UNSTABLE, UNSUITABLE, OR ORGANIC MATERIAL SHALL BE DISPOSED OF AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE MEASURED AND PAID FOR AS "REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL".
19. THE CONTRACTOR SHALL CAREFULLY PROTECT ANY TREES OR SHRUBS NOT INCLUDED IN THE CONTRACT FOR REMOVAL. TEMPORARY FENCE SHALL BE ERECTED, AT THE DIRECTION OF THE ENGINEER, TO PROTECT TREES AND SHRUBS TO REMAIN, THAT ARE IMMEDIATELY ADJACENT TO THE WORK, FOR PROTECTION DURING CONSTRUCTION OPERATIONS. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PAY ITEM FOR EARTH EXCAVATION WITH NO ADDITIONAL COMPENSATION ALLOWED.
20. THE EXISTING PIPE CULVERTS OR STORM SEWERS SHOWN TO BE REMOVED ON THE PLANS SHALL BE REMOVED IN ACCORDANCE WITH SECTION 551 OF THE STANDARD SPECIFICATIONS EXCEPT THAT SALVAGING OF THE PIPE WILL NOT BE REQUIRED UNLESS OTHERWISE NOTED IN THE PLANS. REMOVAL SHALL ALSO INCLUDE THE REMOVAL OF END SECTIONS AND OTHER APPURTENANCES FOUND.
21. EXISTING TRAFFIC CONTROL SIGNS AND POSTS SHALL BE REMOVED AND RESET, AS THE CASE MAY BE, AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS. EXISTING SIGNS THAT WILL NOT BE RESET AS DIRECTED BY THE ENGINEER SHALL BE RETURNED TO THE CITY OF URBANA'S PUBLIC WORKS GARAGE AT 706 S. GLOVER AVENUE. REMOVAL AND RE-INSTALLATION OF ALL EXISTING SIGNAGE WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED WITHIN THE CONTRACT UNIT PRICE FOR EARTH EXCAVATION.

LANDSCAPING – EROSION CONTROL

22. THE FINISHED EARTHWORK SHALL HAVE VEGETATIVE SUSTAINING SOIL COVERING THE TOP 4 INCHES IN AREAS TO BE SODDED OR SEEDED. THE TOPSOIL REQUIRED WILL BE PAID FOR PER CUBIC YARD FOR "TOPSOIL EXCAVATION AND PLACEMENT".
23. ALL DISTURBED AREAS SHALL BE SODDED OR SEEDED AS SHOWN ON THE PLANS. SEEDING, SODDING, AND MULCHING SHALL BE PERFORMED AS SOON AS EACH STAGE IS COMPLETED AS DIRECTED BY THE ENGINEER. EXISTING TURF WHICH IS DAMAGED OUTSIDE THE LIMITS OF CONSTRUCTION SHALL BE REESTABLISHED WITH SOD OR SEED AS DIRECTED BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
24. THIS PROJECT IS GOVERNED BY THE CITY'S N.P.D.E.S. GENERAL PERMIT NO. ILR 400462. THIS PERMIT WILL REQUIRE EROSION AND SEDIMENT CONTROL. THE CONTRACTOR WILL BE REQUIRED TO PROVIDE TEMPORARY EROSION CONTROL SEEDING, INLET AND PIPE PROTECTION, INLET FILTERS, AND PERIMETER EROSION CONTROL BARRIER AS SHOWN ON THE STORM WATER POLLUTION PREVENTION PLAN AND STANDARD 280001. INLET AND PIPE PROTECTION AND INLET FILTERS SHALL BE INSTALLED AT ALL OPEN DRAINAGE GRATES TO PREVENT SILT AND SEDIMENT FROM ENTERING THE STORM SEWER SYSTEM. PERIMETER EROSION CONTROL BARRIER SHALL BE PLACED ADJACENT TO CONSTRUCTION AREAS TO PREVENT SOIL FROM LEAVING THE SITE AS DIRECTED BE THE ENGINEER. AN ESTIMATED QUANTITY FOR THE EROSION CONTROL ITEMS HAS BEEN INCLUDED IN THE PROJECT AS SHOWN ON THE STORM WATER POLLUTION PREVENTION PLAN AND MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER.

PAVEMENTS – CURB & GUTTERS – SIDEWALKS

25. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS BITUMINOUS LIFTS.
26. WHERE THE PROPOSED COMBINATION CONCRETE CURB AND GUTTER JOINS THE EXISTING CURB AND GUTTER, A TRANSITION BETWEEN THE TWO CONFIGURATIONS MAY BE REQUIRED. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE FOR CURB AND GUTTER OF THE SIZE AND TYPE SPECIFIED IN THE PLANS.
27. 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 AS DIRECTED BY THE ENGINEER.
28. THE FOLLOWING RATES OF APPLICATION HAVE BEEN ASSUMED IN CALCULATING PLAN QUANTITIES:

BITUMINOUS PRIME COAT – FOG COAT	0.03 TO 0.05 GAL/SQ YD
– PAVED SURFACE	0.05 TO 0.10 GAL/SQ YD
– AGGREGATE SURFACE	0.25 TO 0.50 GAL/SQ YD
AGGREGATE PRIME COAT – PAVED SURFACE	3 LBS/SQ YD
BITUMINOUS CONCRETE (ALL TYPES)	112 LBS/SQ YD/INCH THICK
AGGREGATE MATERIALS	2.05 TON/CU YD

SEWERS

29. ALL SALVAGEABLE FRAMES AND GRATES WHICH ARE NOT INCORPORATED IN THE WORK SHALL BECOME THE PROPERTY OF THE CONTRACTOR. THE CONTRACTOR'S BID PRICE FOR VARIOUS STORM DRAINAGE WORK SHOULD REFLECT THE SALVAGE VALUE OF THE ITEMS.
30. ALL TRENCHES AND EXCAVATIONS FOR DRAINAGE PIPES, 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 TRENCH BACKFILL AS SHOWN ON THE PLANS AND IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND THE DETAIL IN THE PLANS. THE BACKFILLING AROUND DRAINAGE STRUCTURES WILL NOT BE MEASURED FOR PAYMENT AS DESCRIBED IN SECTION 602 OF THE STANDARD SPECIFICATIONS.
31. 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.
32. 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.
33. 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. CONNECTIONS OF STORM SEWERS TO EXISTING STRUCTURES SHALL BE MADE BY CORE DRILLING HOLES IN THE STRUCTURES. 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.
34. THE FOLLOWING ARE THE LOCATIONS FOR THE TOP-OF-FRAME ELEVATIONS REFERRED TO IN THE DRAINAGE STRUCTURE CALL-OUTS:

TYPE 1 FRAME AND LID	ADJACENT PAVEMENT OR GROUND SURFACE
TYPE 3 FRAME AND GRATE	TOP FRONT CENTER (EQUALS ADJACENT EDGE OF GUTTER FOR B-6.18 CC&G) (0.03 LESS THAN EDGE OF GUTTER FOR B-6.24 CC&G)
TYPE 11 FRAME AND GRATE	TOP FRONT CENTER (EQUALS ADJACENT EDGE OF GUTTER FOR B-6.12 CC&G)
TYPE 8, 37, AND 37M GRATE	ADJACENT GROUND SURFACE

35. TYPE 3 AND TYPE 11 FRAME AND GRATES SHALL BE PROVIDED WITH OPEN FACE CURB BOXES AS DESCRIBED IN THE SPECIAL PROVISIONS.

TRAFFIC CONTROL

36. THE CITY OF URBANA SHALL BE RESPONSIBLE FOR NOTIFYING THE PUBLIC, THE UNITED STATES POSTAL SERVICE, AND THE EMERGENCY SERVICE AGENCIES OF ALL ROAD CLOSURES AND CHANGES IN THE TRAFFIC MAINTENANCE PLANS. THE CONTRACTOR SHALL NOTIFY THE CITY OF URBANA OF ALL ROAD CLOSURES AND CHANGES IN THE TRAFFIC MAINTENANCE PLANS A MINIMUM OF 48 HOURS IN ADVANCE.
37. THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO WEIGHTED SAND BAGS ON EACH TYPE 11 BARRICADE USED. (ONE WEIGHTED SAND BAG ACROSS EACH BOTTOM RAIL.)
38. FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DRAWN BY: AJS | CHECKED BY: GLJ
DATED: 1/09 | DESIGNED BY: CES
CITY SECTION
00-00361-00-PV

WINDSOR ROAD IMPROVEMENTS
GENERAL NOTES

SHEET NO. 2 OF 145

MAR 19 2009 1:37PM GENNOTES.DWG

CONTRACT NO. 91391

HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001–05	STANDARD SYMBOLS, ABBREVATIONS AND PATTERNS
280001–04	TEMPORARY EROSION CONTROL SYSTEMS
420001–07	PAVEMENT JOINTS
420111–02	PCC PAVEMENT ROUNDOUTS
424001–05	CURB RAMPS FOR SIDEWALKS
442201–03	CLASS C AND D PATCHES
542301–02	PRECAST REINFORCED CONCRETE FLARED END SECTION
542306–02	PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION
542311–01	GRATING FOR CONCRETE FLARED END SECTION (FOR 600 MM (24") THRU 1300 MM (54") PIPE)
602301–02	INLET, TYPE A
602306–02	INLET, TYPE B
602401–02	MANHOLE, TYPE A
602406–03	MANHOLE, TYPE A, 1.8 M (6') DIAMETER
602411–01	MANHOLE, TYPE A, 2.1 M (7') DIAMETER
602601–02	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
604001–03	FRAME AND LIDS, TYPE 1
604006–04	FRAME AND GRATE, TYPE 3
604036–02	GRATE, TYPE 8
604051–03	FRAME AND GRATE, TYPE 11
604056–03	FRAME AND GRATE, TYPE 11V
606001–04	CONCRETE CURB TYPE B AND COMBINATION CURB AND GUTTER
606301–04	PC CONCRETE ISLANDS AND MEDIANS
701006–03	OFF–ROAD OPERATIONS, 2L, 2W, 4.5 m (15') TO 600 mm (24") FROM PAVEMENT EDGE
701311–03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS –DAY ONLY
701501–05	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701606–06	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701–06	URBANA LANE CLOSURE, MULTILANCE INTERSECTION
701801–04	LANE CLOSURE, MULTILANCE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
701901–01	TRAFFIC CONTROL DEVICES
720016–02	MAST ARM MOUNT STREET NAME SIGNS
805001–01	ELECTRICAL SERVICE INSTALLATION DETAILS
814001–02	HANDHOLES
814006–02	DOUBLE HAND HOLES
857001–01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
873001–02	TRAFFIC SIGNAL GROUNDING AND BONDING
876001–01	PEDESTRIAN PUSH BUTTON POST
877011–04	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
878001–07	CONCRETE FOUNDATION DETAILS
880006–01	TRAFFIC SIGNAL MOUNTING DETAILS
886001–01	DETECTOR LOOP INSTALLATIONS
886006 –01	TYPICAL LAYOUT FOR DETECTOR LOOPS
BLR 10–6	PCC PAVEMENT SPECIAL

LEGEND

EX	PR	ITEM
		ALIGNMENT ITEMS
	0+00 0+65	CENTERLINE OR BASELINE
△	△	PI INDICATOR
○	○	POINT INDICATOR
		BOUNDARY/RIGHT OF WAY /SURVEY ITEMS
		EASEMENT
P	P	PROPERTY LINE
		ROW LINE
		SECTION LINE
IP		IRON PIN OR PIPE
PK	PK	PK NAIL
▪		ROW MARKER
	CP#1	SURVEY CONTROL POINT
		SURVEY MARKER OR MONUMENT OR BENCHMARK
WC		WITNESS CORNER
		DRAINAGE ITEMS
		DITCH
		SURFACE FLOW
SS	SS	STORM SEWER LINE
UD	UD	UNDERDRAIN
		FLARED END SECTION
▨ OR ◎	● OR ◉	STORM SEWER INLET
		STORM SEWER MANHOLE
		EROSION CONTROL ITEMS
		PERIMETER EROSION BARRIER
		INLET AND PIPE PROTECTION
		TEMPORARY DITCH CHECK
		LIGHTING ITEMS
		CONTROLLER
		FLOOD LIGHT
		LIGHT POLE
		STREET LIGHT
		STREET LIGHT DAVIT ARM
		PAVEMENT/SOIL ITEMS
		PAVEMENT CORE
		SOIL BORING
		TOPOGRAPHY ITEMS
		CONSTRUCTION LIMITS
		FENCE
		TEMPORARY FENCE
		DELINEATOR
DS		DOWNSPOUT
		FLAG POLE
WELL		GAS TANK FILLER CAP
		FIELD TILE INSPECTION WELL
		MAILBOX
OR POST	OR	PARKING METER
		PRIVATE OR NON–TRAFFIC SIGN
		POST OR FENCE POST
		SATELITE DISH
		SPRINKLER CONTROL BOX
		SPRINKLER HEAD
		STREET NAME SIGN
		TRAFFIC SIGN
VENT		VENT PIPE

EX	PR	ITEM
		LANDSCAPE ITEMS
		BUSH OR TREE LINE
		BUSH OR SHRUB
12" 12"		CONIFEROUS TREE
		DECIDUOUS TREE
		TREE STUMP
		TRAFFIC SIGNAL ITEMS
		CONTROLLER
		HANDHOLE
J	J	JUNCTION BOX
		TRAFFIC SIGNAL POST
		TRAFFIC SIGNAL MAST ARM
		UTILITY ITEMS
OCTV	OCTV	CABLE TV LINE–OVERHEAD
UCTV	UCTV	CABLE TV LINE–UNDERGROUND
OE	OE	ELECTRIC LINE–OVERHEAD
UE	UE	ELECTRIC LINE–UNDERGROUND
OFO	OFO	FIBER OPTIC LINE–OVERHEAD
UFO	UFO	FIBER OPTIC LINE–UNDERGROUND
G	G	GAS LINE
FM	FM	SANITARY FORCEMAIN
SAN	SAN	SANITARY LINE
OT	OT	TELEPHONE LINE–OVERHEAD
UT	UT	TELEPHONE LINE–UNDERGROUND
W	W	WATER LINE
CTV		CABLE TV BOX OR PEDESTAL
E		ELECTRIC BOX
E		ELECTRIC METER
(E)		ELECTRIC MANHOLE
		GUY POLE
		GUY WIRE
		POWER POLE
		POWER POLE WITH TRANSFORMER
G		GAS METER
GR		GAS REGULATOR
G		GAS SHUTOFF
G	G	GAS VALVE
CO		SANITARY CLEANOUT
○	OR ◉	SANITARY MANHOLE
T		TELEPHONE BOX OR PEDESTAL
(T)		TELEPHONE MANHOLE
		TELEPHONE POLE
WARN		UTILITY WARNING SIGN
		FIRE HYDRANT
(W)		WATER MANHOLE
W		WATER METER
W		WATER SHUTOFF OR CURB STOP
W	W	WATER VALVE
(V)		VALVE VAULT

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DRAWN BY: AJS
CHECKED BY: GLJ
DATED: 1/09
DESIGNED BY: CES
CITY SECTION
00–00361–00–PV

WINDSOR ROAD IMPROVEMENTS
HIGHWAY STANDARDS AND LEGEND

SHEET NO.
3
OF
145

JAN 09 2009 7:08AM HWYSTDLEG.DWG

CONTRACT NO. 91391

	SUMMARY OF QUANTITIES			SAFETY CODE CONSTRUCTION	2A I000	1E Y030	1F Y031
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY	ROADWAY LIGHTING	TRAFFIC SIGNALS	
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	370	370			
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	200	200			
20200100	EARTH EXCAVATION	CU YD	3882	3882			
* 20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	2179	2179			
20400800	FURNISHED EXCAVATION	CU YD	12229	12229			
20800150	TRENCH BACKFILL	CU YD	1643	1643			
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	5576	5576			
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	487	487			
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	487	487			
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	487	487			
* 25000900	SEEDING, CLASS 1 (SPECIAL)	ACRE	5.3	5.3			
25100630	EROSION CONTROL BLANKET	SQ YD	892	892			
25200100	SODDING	SQ YD	511	511			
* 25200200	SUPPLEMENTAL WATERING	UNIT	200	200			
* 28000255	TEMPORARY EROSION CONTROL SEEDING	ACRE	5.3	5.3			
28000300	TEMPORARY DITCH CHECKS	EACH	5	5			
28000400	PERIMETER EROSION BARRIER	FOOT	7032	7032			
28000500	INLET AND PIPE PROTECTION	EACH	17	17			
28000510	INLET FILTERS	EACH	116	116			
28100805	STONE DUMPED RIPRAP, CLASS A3	TON	202	202			
30200650	PROCESSING MODIFIED SOIL 12"	SQ YD	15785	15785			
30201500	LIME	TON	355	355			
31101000	SUB-BASE GRANULAR MATERIAL, TYPE B	TON	1882	1882			
35100100	AGGREGATE BASE COURSE, TYPE A	TON	6078	6078			
40200700	AGGREGATE SURFACE COURSE, TYPE A 8"	SQ YD	637	637			
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	12202	12202			
40600300	AGGREGATE (PRIME COAT)	TON	20	20			
40600990	TEMPORARY RAMP	SQ YD	800	800			
40603090	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	TON	20646	20646			
40603100	HOT-MIX ASPHALT BINDER COURSE, IL-19.0L, N30	TON	1316	1316			
40603305	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N30	TON	439	439			
40603545	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	TON	4387	4387			
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	124	124			
42000200	PORTLAND CEMENT CONCRETE PAVEMENT 7"	SQ YD	1367	1367			
42300300	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH	SQ YD	360	360			
42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	16548	16548			
42400800	DETECTABLE WARNINGS	SQ FT	284	284			
44000100	PAVEMENT REMOVAL	SQ YD	5612	5612			

*SEE SPECIAL PROVISIONS

	SUMMARY OF QUANTITIES			SAFETY CODE CONSTRUCTION	2A I000	1E Y030	1F Y031
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY	ROADWAY LIGHTING	TRAFFIC SIGNALS	
* 44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	13331	13331			
* 44000198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	1829	1829			
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	1310	1310			
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	497	497			
44000600	SIDEWALK REMOVAL	SQ FT	49707	49707			
* 44201373	CLASS C PATCHES, TYPE I, 12 INCH	SQ YD	50	50			
* 44201377	CLASS C PATCHES, TYPE II, 12 INCH	SQ YD	367	367			
* 44201381	CLASS C PATCHES, TYPE III, 12 INCH	SQ YD	130	130			
* 44201383	CLASS C PATCHES, TYPE IV, 12 INCH	SQ YD	336	336			
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	9900	9900			
* 50105210	REMOVE EXISTING CULVERTS	FOOT	690	690			
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	2	2			
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	1	1			
54213693	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 48"	EACH	1	1			
54214719	PRECAST REINFORCED CONCRETE FLARED END SECTIONS - ELLIPTICAL, EQUIVALENT ROUND-SIZE 24"	EACH	2	2			
* 54223459	REMOVE AND RELAY PIPE CULVERTS 24"	FOOT	17	17			
* 54223465	REMOVE AND RELAY PIPE CULVERTS 30"	FOOT	25	25			
54247130	GRATING FOR CONCRETE FLARED END SECTION 24"	EACH	1	1			
54247150	GRATING FOR CONCRETE FLARED END SECTION 30"	EACH	1	1			
54247190	GRATING FOR CONCRETE FLARED END SECTION 48"	EACH	1	1			
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	2376	2376			
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	577	577			
550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	573	573			
550A0110	STORM SEWERS, CLASS A, TYPE 1 21"	FOOT	404	404			
550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	477	477			
550A0130	STORM SEWERS, CLASS A, TYPE 1 27"	FOOT	592	592			
550A0140	STORM SEWERS, CLASS A, TYPE 1 30"	FOOT	593	593			
550A0160	STORM SEWERS, CLASS A, TYPE 1 36"	FOOT	52	52			
550A0180	STORM SEWERS, CLASS A, TYPE 1 42"	FOOT	396	396			
550A0190	STORM SEWERS, CLASS A, TYPE 1 48"	FOOT	61	61			
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	734	734			
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	161	161			
550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	90	90			
550A0400	STORM SEWERS, CLASS A, TYPE 2 21"	FOOT	168	168			
550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	FOOT	248	248			
55034300	STORM SEWERS, TYPE 1, REINFORCED CONCRETE ELLIPTICAL PIPE, SPAN 30, RISE 19	FOOT	88	88			
60100915	PIPE DRAINS 6"	FOOT	85	85			

*SEE SPECIAL PROVISIONS

CITY OF URBANA
PUBLIC WORKS
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CITY SECTION
00-00361-00-PV

WINDSOR ROAD IMPROVEMENTS
SUMMARY OF QUANTITIES

SHEET NO. 4 OF 145

JAN 08 2009 9:57AM QTY SUMMARY01.DWG

CONTRACT NO. 91391

		SUMMARY OF QUANTITIES	UNIT	SAFETY CODE CONSTRUCTION TOTAL QUANTITY	2A I000 ROADWAY	1E Y030 ROADWAY LIGHTING	1F Y031 TRAFFIC SIGNALS
	ITEM NO.	DESCRIPTION					
*	60107700	PIPE UNDERDRAINS 6"	FOOT	4702	4702		
*	60225110	RESTRICTED DEPTH MANHOLES, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	5	5		
*	60225400	RESTRICTED DEPTH MANHOLES, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	3		
*	60225910	RESTRICTED DEPTH MANHOLES, 5'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	2	2		
*	60226200	RESTRICTED DEPTH MANHOLES, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1		
*	60226250	RESTRICTED DEPTH MANHOLES, 6'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	2	2		
	60234200	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	1	1		
	60235700	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	EACH	2	2		
	60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	3	3		
	60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	15	15		
	60236825	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	EACH	21	21		
	60237480	INLETS, TYPE A, TYPE 37 GRATE	EACH	2	2		
	60237490	INLETS, TYPE A, TYPE 37M GRATE	EACH	2	2		
*	60255500	MANHOLES TO BE ADJUSTED	EACH	3	3		
*	60255800	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	4	4		
*	60256700	MANHOLES TO BE ADJUSTED WITH NEW TYPE 11 FRAME AND GRATE	EACH	1	1		
*	60259110	MANHOLES TO BE RECONSTRUCTED WITH NEW TYPE 11V FRAME AND GRATE	EACH	1	1		
*	60500060	REMOVING INLETS	EACH	5	5		
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	20449	20449		
	60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	715	715		
	60619600	CONCRETE MEDIAN, TYPE SB-6.12	SQ FT	418	418		
*	66700095	PERMANENT SURVEY MARKERS	EACH	3	3		
*	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	17	17		
	67100100	MOBILIZATION	L SUM	1	1		
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	1891	1891		
	70300210	TEMPORARY PAVEMENT MARKING-LETTERS AND SYMBOLS	SQ FT	546	546		
	70300625	TEMPORARY PAINT PAVEMENT MARKING LINE 4"	FOOT	42274	42274		
	70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	1475	1475		
*	70103700	TRAFFIC CONTROL COMPLETE	L SUM	1	1		
Δ	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	515	515		
Δ	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	19511	19511		
Δ	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	224	224		
Δ	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	317	317		
Δ	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	69	69		
Δ *	78008300	POLYUREA PAVEMENT MARKING TYPE II - LETTERS AND SYMBOLS	SQ FT	109	109		
Δ *	78008310	POLYUREA PAVEMENT MARKING TYPE II - LINE 4"	FOOT	649	649		

*SEE SPECIAL PROVISIONS

		SUMMARY OF QUANTITIES	UNIT	SAFETY CODE CONSTRUCTION TOTAL QUANTITY	2A I000 ROADWAY	1E Y030 ROADWAY LIGHTING	1F Y031 TRAFFIC SIGNALS
	ITEM NO.	DESCRIPTION					
Δ *	78008330	POLYUREA PAVEMENT MARKING TYPE II - LINE 6"	FOOT	595	595		
Δ *	78008350	POLYUREA PAVEMENT MARKING TYPE II - LINE 12"	FOOT	81	81		
Δ *	78008370	POLYUREA PAVEMENT MARKING TYPE II - LINE 24"	FOOT	246	246		
*	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	48	48		
	80400100	ELECTRIC SERVICE INSTALLATION	EACH	2		2	
Δ *	80500105	SERVICE INSTALLATION, TYPE A (MODIFIED)	EACH	1			1
Δ	81012300	CONDUIT IN TRENCH, 1" DIA., PVC	FOOT	72			72
Δ	81012500	CONDUIT IN TRENCH, 1 1/2" DIA., PVC	FOOT	14355		13572	783
Δ	81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	476		24	452
Δ	81012800	CONDUIT IN TRENCH, 3" DIA., PVC	FOOT	68			68
Δ	81013100	CONDUIT IN TRENCH, 5" DIA., PVC	FOOT	2			2
Δ *	81021540	CONDUIT, AUGERED 1 1/2" DIA., PVC	FOOT	183			183
Δ *	81021590	CONDUIT, AUGERED 4" DIA., PVC	FOOT	148			148
Δ *	81021600	CONDUIT, AUGERED 5" DIA., PVC	FOOT	100			100
Δ	81028050	CONDUIT, BORED AND PULLED, COILABLE NON-METALLIC CONDUIT, 1 1/2	FOOT	555		555	
Δ *	81306400	RELOCATE EXISTING JUNCTION BOX	EACH	1			1
Δ	81400730	HANDHOLE, COMPOSITE CONCRETE	EACH	12			12
Δ	81400740	DOUBLE HANDHOLE, COMPOSITE CONCRETE	EACH	1			1
Δ	81603010	UNIT DUCT, 600V, 2-1C NO. 10, 1/C NO 10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	916		916	
Δ	81702100	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 12	FOOT	1100			1100
Δ	81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	1525			1525
Δ	81702130	ELECTRIC CABLE IN CONDUIT, 600V, (XLP-TYPE USE) 1/C NO. 6	FOOT	44601		44601	
Δ	81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	14933		13556	1377
Δ	82500530	LIGHTING CONTROLLER TYPE CB-RCS 100AMP-240VOLT	EACH	2		2	
Δ	83002400	LIGHT POLE, ALUMINUM, 40 FT. M.H., 10 FT. DAVIT ARM	EACH	65		65	
Δ	83600355	LIGHT POLE FOUNDATION METAL, 15" BOLT CIRCLE, 8" X 6'	EACH	65		65	
Δ	84200500	REMOVAL OF EXISTING LIGHTING UNIT, SALVAGE	EACH	5		5	
Δ	84200700	LIGHTING FOUNDATION REMOVAL	EACH	6		6	
Δ	84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	4		4	
Δ	85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1			1
Δ *	86400100	TRANSCEIVER-FIBER OPTIC	EACH	1			1
Δ *	87100140	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, 12F	FOOT	1100			1100
Δ	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1125			1125
Δ	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	250			250
Δ	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1300			1300
Δ	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1800			1800
Δ	87301515	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 3 PAIR	FOOT	2025			2025
Δ	87500600	TRAFFIC SIGNAL POST, 10 FT.	EACH	1			1

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Δ SPECIALTY ITEMS

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

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CITY SECTION
00-00361-00-PV

WINDSOR ROAD IMPROVEMENTS
SUMMARY OF QUANTITIES

SHEET NO. 5 OF 145

JAN 08 2009 9:24AM QTY SUMMARY02.DWG

CONTRACT NO. 91391

		SUMMARY OF QUANTITIES			SAFETY CODE CONSTRUCTION	2A I000	1E Y030	1F Y031
	ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY	ROADWAY LIGHTING	TRAFFIC SIGNALS
Δ	87500800	TRAFFIC SIGNAL POST, 12 FT.	EACH	1			1
Δ	87501000	TRAFFIC SIGNAL POST, 14 FT.	EACH	3			3
Δ	87600100	PEDESTRIAN PUSH-BUTTON POST, TYPE I	EACH	5			5
Δ	87702810	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 16 FT.	EACH	1			1
Δ	87702840	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 22 FT.	EACH	1			1
Δ	87702900	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT.	EACH	1			1
Δ	87702910	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT.	EACH	1			1
Δ	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	18		3	15
Δ	87800200	CONCRETE FOUNDATION, TYPE D	FOOT	3.5			3.5
Δ	87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	47			47
Δ	88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1			1
Δ	88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	6			6
Δ	88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	3			3
Δ	88040230	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1			1
Δ	88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	3			3
Δ	88200100	TRAFFIC SIGNAL BACKPLATE	EACH	9			9
Δ	88600100	DETECTOR LOOP, TYPE I	FOOT	924			924
Δ	88700200	LIGHT DETECTOR	EACH	1			1
Δ	88700300	LIGHT DETECTOR AMPLIFIER	EACH	1			1
Δ	88800100	PEDESTRIAN PUSH-BUTTON	EACH	8			8
*	X0301232	SURVEY MARKER VAULT	EACH	3	3		
Δ*	X0301503	RELOCATE EXISTING METAL POLE FOUNDATION	EACH	3		3	
*	X0320167	HANDRAIL	FOOT	994	994		
*	X0321905	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 12"	FOOT	238	238		
*	X0321906	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 15"	FOOT	11	11		
*	XX007891	CONFLICT MANHOLE, 5' DIAMETER, TYPE 1 FRAME CLOSED LID	EACH	1	1		
*	X0545000	BOX CULVERT REMOVAL	FOOT	268	268		
*	X0712400	TEMPORARY PAVEMENT	SQ YD	65	65		
*	X6020125	RESTRICTED DEPTH INLET TYPE B, TYPE 3 FRAME AND GRATE	EACH	2	2		
Δ*	X8950075	REMOVE EXISTING LIGHTING CONTROLLER AND SALVAGE	EACH	2		2	
Δ*	X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	625			625
Δ*	X8730250	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	200			200
Δ*	X8850106	INDUCTIVE LOOP DETECTOR, RACK MOUNTED	EACH	9			9
Δ*	XX004622	REMOVAL OF LUMINAIRE, SALVAGE	EACH	6		6	
*	XX002895	SANITARY MANHOLES TO BE RECONSTRUCTED WITH NEW FRAME & LID	EACH	2	2		
*	XX003000	CLASS SI CONCRETE STEPS	CU YD	1.5	1.5		

*SEE SPECIAL PROVISIONS

		SUMMARY OF QUANTITIES			SAFETY CODE CONSTRUCTION	2A I000	1E Y030	1F Y031
	ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY	ROADWAY LIGHTING	TRAFFIC SIGNALS
Δ*	XX003581	ELECTRIC CABLE IN CONDUIT, SERVICE NO. 6 1/C	FOOT	150			150
*	XX004735	RESTRICTED DEPTH INLET TYPE B, TYPE 1 FRAME, CLOSED LID	EACH	2	2		
*	XX005483	RESTRICTED DEPTH INLET TYPE B, TYPE 1 FRAME, OPEN LID	EACH	2	2		
*	XX005925	RESTRICTED DEPTH MANHOLE, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	EACH	18	18		
*	XX005926	RESTRICTED DEPTH MANHOLE, 5'-DIAMETER, TYPE 11V FRAME AND GRATE	EACH	7	7		
*	XX006432	AGGREGATE SUBGRADE (SPECIAL)	TON	4731	4731		
*	XX006444	MULCH, SPECIAL	ACRE	5.3	5.3		
Δ*	XX006511	LUMINAIRE, METAL HALIDE, SPECIAL, 400 WATT	EACH	74		71	3
Δ*	XX006512	LUMINAIRE, METAL HALIDE SPECIAL, 400 WATT WITH PHOTOCELL	EACH	1			1
Δ*	XX006514	JUNCTION BOX, POLYMER CONCRETE, 12" X 12" X 12"	EACH	75		72	3
Δ*	XX006533	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED, COUNTDOWN TIMER	EACH	8			8
*	4020/000	AGGREGATE FOR TEMPORARY ACCESS	TON	100	100		
*	XX007104	RESTRICTED DEPTH MANHOLES, 6'-DIAMETER, TYPE 11V FRAME AND GRATE	EACH	1	1		
*	XX007106	RESTRICTED DEPTH MANHOLES, 7'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	1	1		
*	X5510100	STORM SEWER REMOVAL	FOOT	1110	1110		
*	XZ127900	RETAINING WALL REMOVAL	FOOT	119	119		
*	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1		
*	Z0019600	DUST CONTROL WATERING	UNIT	100	100		
*	XX007888	PORTLAND CEMENT CONCRETE PAVEMENT 7" (COLORED)	SQ YD	97	97		
*	XX007863	RESTRICTED DEPTH INLET TYPE B, TYPE 11 FRAME AND GRATE	EACH	26	26		
*	XX007889	RESTRICTED DEPTH INLET TYPE B, TYPE 11V FRAME AND GRATE	EACH	11	11		
*	XX007890	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 36"	FOOT	14	14		
*	X0322923	SEGMENTAL CONCRETE BLOCK WALL	SQ FT	797	797		
*	X0324450	SEGMENTAL CONCRETE BLOCK WALL, SPECIAL	SQ FT	4926	4926		
^	Z0076600	TRAINEES	HOUR	2000			

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Δ SPECIALTY ITEMS ^ = Y080

CITY OF URBANA
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WINDSOR ROAD IMPROVEMENTS
SUMMARY OF QUANTITIES

SHEET NO. 6 OF 145

JAN 08 2009 9:24AM QTY SUMMARY03.DWG

CONTRACT NO. 91391

TREE REMOVAL (6 TO 15 UNITS DIAMETER) ITEM NO. 20100110	
LOCATION	*UNIT*
80+16.4, 43.7' RT	12
81+54.8, 43.0' RT	12
81+65, 41.6' RT	12
81+65.8, 44' RT	8
81+66, 30.3' RT	8
81+69.6, 31.8' RT	8
81+73.1, 42.2' RT	12
81+76.9, 44.2' RT	8
81+80.7, 42' RT	12
82+06.7, 42.5' RT	6
82+10.5, 42.3	6
82+99.2, 44' RT	10
83+03.2, 42.7' RT	6
83+26.5, 41.3' RT	8
83+31.2, 38.3' RT	6
83+31.7, 33.5' RT	10
83+37.9, 35.1' RT	12
83+38.4, 43.9' RT	12
83+45.6, 45' RT	8
83+68.6, 38' RT	6
83+76.7, 40.1' RT	6
83+88.1, 40.6' RT	10
83+94.6, 44.9' RT	10
84+15, 34.4' RT	6
84+25.6, 35.3' RT	6
84+27.2, 34.2' RT	6
84+35.1, 42.7' RT	6
84+43.5, 40.6' RT	8
84+45.2, 34.2' RT	12
84+47.6, 43.2' RT	6
84+48.2, 35.4' RT	14
84+52.5, 34.7' RT	6
84+61, 36.3' RT	6
84+62.6, 34.8' RT	12
84+69.1, 32.9' RT	8
84+71.5, 40.2' RT	6
84+80.8, 34.4' RT	12
89+34.3, 67.7' LT	6
89+35.2, 68.6' LT	12
89+37.5, 57' LT	12
89+39.3, 58.9' LT	10
89+40.5, 60.5' LT	8
TOTALS	**370**

TREE REMOVAL (OVER 15 UNITS DIAMETER) ITEM NO. 20100210	
LOCATION	*UNIT*
82+94, 42.3' RT	24
82+99, 40.4' RT	24
83+54.9, 33' RT	16
83+55.7, 33.8' RT	18
84+13.5, 38.8' RT	30
84+90, 41.1' RT	16
89+39.5, 69.4' LT	30
93+00.6, 54.7' LT	24
102+54.3, 48.8' LT	18
TOTALS	**200**

PAVEMENT REMOVAL ITEM NO. 44000100	
LOCATION	*(SQ.YD.)*
71+70 - 72+55 LT	21.3
71+70 - 76+00 RT	86.7
72+54.53 - 74+62.47 LT	214.9
MYRA RIDGE DRIVE SOUTH	236.8
MYRA RIDGE DRIVE NORTH	428.4
78+50 - 80+27.53 LT	19.7
80+27.53 - 85+31.4 LT	536.2
85+31.4 - 92+85 LT	83.7
92+85 - 120+39.78 LT	2081.0
SUSAN STONE DRIVE	266.3
95+59 - 112+42 RT	403.8
STONE CREEK BOULEVARD WEST	505.2
STONE CREEK BOULEVARD EAST	401.3
127+50 - 140+60 LT	145.6
138+04.97 - 141+44.59 RT	181.0
TOTALS	**5612**

COMBINATION CURB AND GUTTER REMOVAL ITEM NO. 44000500	
LOCATION	*(FOOT)*
50+67 - 50+83.6 LT	16.6
50+67 - 50+84 RT	17.0
10+24.2 - 11+15 LT	126.0
10+45.5 - 11+15 RT	78.0
0+46.4 - 1+05.9 LT	67.8
0+23.2 - 1+06.3 RT	97.7
140+96.6 - 141+75.9 LT	84.8
141+36 - 141+44.59 RT	9.2
TOTALS	**497**

DRIVEWAY PAVEMENT REMOVAL ITEM NO. 44000200	
LOCATION	*(SQ.YD.)*
90+88 LT	294.8
92+65 LT	323.5
126+98 LT	232.3
129+50 RT	111.0
131+13 RT	96.4
131+95 LT	24.4
132+11 RT	147.6
133+23 RT	32.9
135+03 LT	46.6
TOTALS	**1310**

SIDEWALK REMOVAL ITEM NO. 44000600	
LOCATION	*(SQ.FT.)*
74+00 - 77+20 LT	2556.7
SW COR WINDSOR & MYRA RIDGE	178.2
SE COR WINDSOR & MYRA RIDGE	363.1
NW COR WINDSOR & MYRA RIDGE	79.4
NE COR WINDSOR & MYRA RIDGE	1190.3
77+91 - 90+82.6 LT	13036.8
82+11, 62.6' RT	58.0
SW COR WINDSOR & SUSAN STONE	77.3
SE COR WINDSOR & SUSAN STONE	52.1
91+13.4 - 92+45.9 LT	1349.8
92+73.6 - 122+60.8 LT	29929.5
NW COR WINDSOR & STONE CREEK	247.7
123+51.7, 77.1' LT	407.2
NE COR WINDSOR & STONE CREEK	181.0
TOTALS	**49707**

REMOVE EXISTING CULVERTS ITEM NO. 50105210	
LOCATION	*(FOOT)*
77+10 - 77+90 LT	80
89+43.4 - 89+67.4 LT	24
92+39.1 - 92+91.1 LT	52
94+07.5 - 94+44.5 LT	37
102+25.1 - 103+09.1 RT	84
108+61.5 - 109+00 LT	38.5
112+15.7 - 112+40.4	28
123+34.3 - 123+64.3 RT	30
126+56.1 31' - 38' LT	7
129+06 - 129+99 RT	93
131+73 - 132+10 LT	37
131+84.6 - 132+74.6 RT	90
133+09.9 - 133+36.9 RT	27
134+81.5 - 135+25 LT	43.5
137+33.1 39.4' - 46.4' LT	7
137+34.7 28' - 40' LT	12
TOTALS	**690**

STORM SEWER REMOVAL ITEM NO. XX146400	
LOCATION	*(FOOT)*
72+36 - 74+72 LT	236
74+68 - 75+96 RT	128
75+97 - 76+46 RT	49
76+34.4 - 76+46.4 RT	19
76+46 - 77+05 RT	59
77+05 - 77+72 RT	67
77+19, 78.6' - 71.6' LT	7
77+19.6 - 77+59.6 LT	40
77+61.5 - 78+12.1 LT	51
77+61.6, 78.7' - 48.7' LT	30
77+75 - 78+96 RT	121
81+38 - 82+62 LT	138
83+25.4 - 84+90.4 RT	165
TOTALS	**1110**

BOX CULVERT REMOVAL ITEM NO. X0545000	
LOCATION	*(FOOT)*
81+25.7 13.7' LT - 27.8' RT	41.5
81+32.8 - 81+96 LT	72.2
89+38.6 14.2' LT - 27.3' RT	41.5
111+75 9.8' LT - 31.7' RT	41.5
126+75.6 41.7' LT - 29.6' RT	71.3
TOTALS	**268**

RAISED REFLECTIVE PAVEMENT MARKER REMOVAL ITEM NO. 78300200	
LOCATION	*EACH*
134+29 - 141+50	48

REMOVE AND RELAY PIPE CULVERTS 24" ITEM NO. 54223459	
LOCATION	*(FOOT)*
137+34.7 40' - 57' LT	17

REMOVE AND RELAY PIPE CULVERTS 30" ITEM NO. 54223465	
LOCATION	*(FOOT)*
112+15.7 - 112+40.4 LT	25

RETAINING WALL REMOVAL ITEM NO. XZ127900	
LOCATION	*(FOOT)*
81+21.3 - 81+31.3 LT	10
81+21.5 - 24' TO 34' LT	10
110+48.6 - 111+47.4 LT	99
TOTALS	**119**

TEMPORARY DITCH CHECKS ITEM NO. 28000300	
LOCATION	*EACH*
STA 122+00 - STA 142+29	5

PERIMETER EROSION BARRIER ITEM NO. 28000400	
LOCATION	*(FOOT)*
71+70 - 97+00	2227
97+00 - 122+00	3874
122+00 - 142+29	931
TOTALS	**7032**

INLET AND PIPE PROTECTION ITEM NO. 28000500	
LOCATION	*EACH*
71+70 - 97+00	5
97+00 - 122+00	3
122+00 - 142+29	9
TOTALS	**17**

INLET FILTERS ITEM NO. 28000510	
LOCATION	*EACH*
71+70 - 97+00	40
97+00 - 122+00	44
122+00 - 142+29	32
TOTALS	**116**

SUB-BASE GRANULAR MATERIAL, TYPE B ITEM NO. 31101000	
LOCATION	*TON*
73+00 - 74+00	66
80+50 - 85+00	104
93+00 - 120+00	790
MYRA RIDGE DRIVE (NORTH)	229
MYRA RIDGE DRIVE (SOUTH)	74
SUSAN STONE DRIVE	93
STONE CREEK BLVD (NW LEG)	258
STONE CREEK BLVD (NE LEG)	180
UNDER CLASS C PATCHES	88
TOTALS	***1882***

AGGREGATE SUBGRADE SPECIAL ITEM NO. XX006432	
LOCATION	*TON*
71+70 - 78+00 LT	945
120+50 - 121+00 LT	143
123+00 - 125+50 LT	334
141+00 - 141+50 LT	23
71+70 - 108+50 RT	2101
114+50 - 121+00 RT	388
123+00 - 125+50 RT	178
130+00 - 141+50 RT	619
TOTALS	***4731***

AGGREGATE BASE COURSE, TYPE A ITEM NO. 35100100	
LOCATION	*TON*
71+70 - 78+00 LT	1091
120+50 - 127+00 LT	885
141+00 - 141+50 LT	43
71+70 - 141+50 RT	4059
TOTALS	***6078***

STONE DUMPED RIPRAP, CLASS A-3 ITEM NO. 28100805	
LOCATION	*TON*
112+95 - 122+70 LT	202

PC CONCRETE DRIVEWAY PAVEMENT, 7" ITEM NO. 42300300	
LOCATION	*(SQ.YD.)*
FE RT. STA. 74+95.1	25.1
FE LT. STA. 88+11.2	18.1
CE LT. STA. 91+20	20.3
CE LT. STA. 92+35	20.3
FE LT. STA. 96+26	18.1
FE LT. STA. 106+21	18.1
CE LT. STA. 126+98.4	94.9
CE RT. STA. 129+50	73.4
FE LT. STA 131+13.8	18.1
FE LT. STA. 131+95.2	14.2
FE LT. STA. 135+01.1	19.2
FE LT. STA. 138+57	20.3
TOTALS	**360**

AGGREGATE SURFACE COURSE, TYPE A 8" ITEM NO. 40200700	
LOCATION	*(SQ.YD.)*
FE RT. STA. 74+95.1	6.7
CE LT. STA. 91+20	86.6
CE LT. STA. 92+35	100.6
FE LT. STA. 96+26	15.6
FE RT. STA. 102+63.2	39.3
FE LT. STA. 106+21	25.4
FE RT. STA. 123+49.4	60.4
PE RT. STA. 131+13.4	56.7
FE LT. STA. 131+13.8	14.3
FE LT. STA. 131+95.2	21.4
FE RT. STA. 132+61.9	47.4
FE RT. STA. 133+23.2	46.8
FE LT. STA. 135+01.1	53.5
FE LT. STA. 138+57	62.6
TOTALS	**637**

INCIDENTAL HOT-MIX ASPHALT SURFACING ITEM NO. 40800050	
LOCATION	*TON*
CE LT. STA. 91+20	38.8
CE LT. STA. 92+35	45.1
FE RT. STA. 102+63.2	3.2
FE RT. STA. 123+49.4	4.0
PE RT. STA. 131+13.4	25.4
FE RT. STA. 132+61.9	3.8
FE RT. STA. 133+23.2	3.6
TOTALS	**124**

PC CONCRETE SIDEWALK, 6" ITEM NO. 42400300	
LOCATION	*(SQ.FT.)*
74+75 - 75+16 RT	328.7
76+32.3 - 76+96.5 LT	518.2
NW COR WINDSOR & MYRA RIDGE	447.3
SW COR WINDSOR & MYRA RIDGE	377.2
NE COR WINDSOR & MYRA RIDGE	858.3
SE COR WINDSOR & MYRA RIDGE	420.7
78+03 - 87+77.8 RT	4874.1
82+11, 62.6' RT	79.4
87+86.4 - 88+36 LT	397.1
SW COR WINDSOR & SUSAN STONE	151.2
SE COR WINDSOR & SUSAN STONE	152.7
90+93.2 - 93+02 LT	1670.6
96+01.2 - 96+50.8 LT	397.1
105+96.2 - 106+45.8 LT	397.1
NW COR WINDSOR & STONE CREEK	261.3
123+51.7, 77.1' LT	485.2
NE COR WINDSOR & STONE CREEK	243.2
124+53 - 127+30.7 LT	2222.5
130+89 - 132+16.5 LT	1021.9
134+75.2 - 135+26.9 LT	413.2
137+80 - 138+83.8 LT	830.5
TOTALS	**16548**

DETECTABLE WARNINGS ITEM NO. 42400800	
LOCATION	*(SQ.FT.)*
NW COR WINDSOR & MYRA RIDGE	35.5
SW COR WINDSOR & MYRA RIDGE	40.0
NE COR WINDSOR & MYRA RIDGE	38.5
SE COR WINDSOR & MYRA RIDGE	38.5
82+11, 49.3' RT	10.0
SW COR WINDSOR & SUSAN STONE	10.0
SE COR WINDSOR & SUSAN STONE	10.0
NW COR WINDSOR & STONE CREEK	52.0
NE COR WINDSOR & STONE CREEK	49.0
TOTALS	**284**

PCC PAVEMENT 7" (COLORED) ITEM NO. #5000867	
LOCATION	*(SQ. YD.)*
122+82.06 34.58' LT - 123+43.70 40.58' LT	47.3
123+63.16 40.58' LT - 124+27.24 34.58' LT	49.9
TOTALS	**97**

COMBINATION CONC. CURB & GUTTER, TYPE B-6.12 ITEM NO. 60603800	
LOCATION	*(FOOT)*
71+70 - 76+85.20 LT	515.8
71+70 - 76+95.27 RT	525.1
72+63.5 - 74+53.5	380.3
NW COR MYRA RIDGE	98.7
SW COR MYRA RIDGE	61.3
NE COR MYRA RIDGE	107.2
SE COR MYRA RIDGE	58.4
77+97.95 - 87+62.34 RT	964.4
78+09.70 - 122+31.33 LT	4421.1
80+36.5 - 85+22.5	972.3
SW COR SUSAN STONE	67.3
SE COR SUSAN STONE	67.2
88+60.09 - 139+52.04 RT	5091.9
92+97 - 120+30.9	5468
NW COR STONE CREEK	87.5
NE COR STONE CREEK	82.3
124+72.03 - 139+52.04 LT	1480.3
TOTALS	**20449**

COMBINATION CONC. CURB & GUTTER, TYPE B-6.24 ITEM NO. 60605000	
LOCATION	*(FOOT)*
122+31.33 - 122+51.33 LT	20.0
NW COR STONE CREEK	128.8
NE COR STONE CREEK	124.8
124+52.03 - 124+72.03 LT	20.0
139+52.04 - 141+75.73 LT	227.8
139+52.04 - 141+44.59 RT	193.3
TOTALS	**715**

CONCRETE MEDIAN, TYPE SB-6.12 ITEM NO. 60619600	
LOCATION	*(SQ.FT.)*
72+54.5 - 72+63.5	54.9
74+53.5 - 74+62.5	54.9
80+27.5 - 80+36.5	54.9
85+22.5 - 85+31.4	54.5
92+85 - 92+97	144.0
120+30.9 - 120+39.8	54.5
TOTALS	**418**

PC CONCRETE PAVEMENT, 7" ITEM NO. 42000200	
LOCATION	*(SQ.YD.)*
MYRA RIDGE DRIVE (NORTH)	440.0
MYRA RIDGE DRIVE (SOUTH)	189.2
SUSAN STONE DRIVE	210.0
STONE CREEK BLVD (WEST)	275.6
STONE CREEK BLVD (EAST)	252.2
TOTALS	**1367**

HMA BINDER COURSE, IL 19.0L, N30 ITEM NO. 40603100	
LOCATION	*TON*
71+70 - 76+32.3 LT	104.4
73+99.1 - 74+75 RT	17.0
75+16 - 76+97 RT	40.5
78+08 - 87+86.4 LT	219.3
88+36 - 93+02 LT	57.6
93+02 - 96+01.2 LT	67.0
96+50.8 - 105+96.2 LT	211.8
106+45.8 - 122+55.1 LT	360.5
127+30.7 - 130+89 LT	80.3
132+16.5 - 134+75.2 LT	58.0
135+26.9 - 137+80 LT	56.7
138+83.8 - 140+75 LT	42.8
TOTALS	**1316**

HMA SURFACE COURSE MIX C, N30 ITEM NO. 40603305	
LOCATION	*TON*
71+70 - 76+32.3 LT	34.8
73+99.1 - 74+75 RT	5.7
75+16 - 76+97 RT	13.5
78+08 - 87+86.4 LT	73.1
88+36 - 93+02 LT	19.2
93+02 - 96+01.2 LT	22.3
96+50.8 - 105+96.2 LT	70.6
106+45.8 - 122+55.1 LT	120.2
127+30.7 - 130+89 LT	26.8
132+16.5 - 134+75.2 LT	19.3
135+26.9 - 137+80 LT	18.9
138+83.8 - 140+75 LT	14.3
TOTALS	**439**

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DRAWN BY: AJS
CHECKED BY: GLJ
DESIGNED BY: CES
DATED: 1/09

CITY SECTION
00-00361-00-PV

WINDSOR ROAD IMPROVEMENTS
SCHEDULE OF QUANTITIES

SHEET NO. 7 OF 145

JAN 08 2009 8:16AM QTY SCHEDULE01.DWG

THERMOPLASTIC PAVEMENT MARKING TYPE II

ITEM NO.	78000200						78000400	78000600	78000650
LOCATION	4" SKIP-DASH YELLOW (FOOT)	4" SKIP-DASH WHITE (FOOT)	4" SOLID YELLOW (FOOT)	4" DOUBLE YELLOW NARROW (FOOT)	4" SOLID WHITE (FOOT)	4" LANE LINE EXTENSIONS WHITE (FOOT)	6" CROSS WALK WHITE (FOOT)	12" DIAGONAL YELLOW (FOOT)	24" STOP BAR WHITE (FOOT)
LT 71+70 TO LT 73+45						44			
LT 71+70 TO LT 76+92		130							
RT 71+70 TO RT 76+92		130							
LT 71+70 TO LT 72+54.6				159.8					
RT 71+70 TO RT 72+54.6				159.8					
RT 72+14 TO RT 72+54.6								12.7	
LT 72+54.6 TO LT 74+62.5			208.1						
RT 72+54.6 TO RT 74+62.5			208.1						
LT 74+62.5 TO LT 76+92				607.2					
LT 74+62.5 TO LT 75+2.9								12.7	
RT 75+47 TO RT 76+92					144				
76+92 WINDSOR RD/MYRA RIDGE DR-WEST LEG									34.5
WINDSOR RD/MYRA RIDGE DR-WEST LEG							112		
77+98 WINDSOR RD/MYRA RIDGE DR-EAST LEG									34.5
WINDSOR RD/MYRA RIDGE DR-EAST LEG							112		
LT 77+98 TO LT 79+43					144				
LT 78+27.9 TO LT 87+60		240							
RT 78+27.9 TO RT 87+60		240							
RT 77+98 TO 80+27.5				607					
RT 79+87 TO RT 80+27.5								12.7	
LT 80+27.5 TO LT 85+31.4			504.1						
RT 80+27.5 TO RT 84+45.9			418.4						
LT 85+31.4 TO LT 87+89.8				509.1					
RT 84+45.9 TO 87+89.8				703.1					
84+84.8 TO 87+87.5								220.1	
LT 88+62 TO LT 89+77					115				
RT 88+62 TO RT 89+77				230					
LT 88+91.9 TO LT 122+61.8		1700							
LT 90+98 TO LT 92+00			102						
RT 89+77 TO RT 92+00			223						
LT 91+26.9 TO LT 91+76.9	20								
LT 90+7.1 TO LT 91+76.9	50								
92+56.5 TO 92+85 CL				121.9					
92+58.4 TO 92+85								19.9	
LT 92+85 TO LT 120+39.8			2754.8						
RT 92+85 TO RT 120+39.8			2755						
LT 120+39.8 TO LT 120+80.3								12.8	
LT 120+39.8 TO LT 122+70				609.4					
RT 121+25 TO RT 122+70					145				
123+77.9 TO 124+23.2 CL				188.1					
123+82 TO 124+13.1 CL								26.2	
LT 124+13.1 TO LT 141+42.9		440							
RT 124+13.1 TO RT 139+43.3		390							
LT 124+23.2 TO LT 138+60			1437						
RT 124+23.2 TO RT 138+60			1437						
LT 124+53 TO LT 138+23.1	350								
RT 124+53 TO RT 138+23.1	350								
LT 138+60 TO LT 141+50				579.9					
RT 139+72 TO RT 141+50					356				
	770	3270	10047.5	4475.3	904	44			
TOTALS	19511						224	317	69

PROCESSING MODIFIED SOIL 12" ITEM NO. 30200650

LOCATION	(SQ.YD.)
78+50 - 120+00 LT	12592.6
127+50 - 140+60 LT	3192.5
TOTALS	15785

LIME ITEM NO. 30201500

LOCATION	TON
78+50 - 120+00 LT	283.4
127+50 - 140+60 LT	71.8
TOTALS	355

PERMANENT SURVEY MARKERS ITEM NO. 66700095 SURVEY MARKER VAULT ITEM NO. X0301232

LOCATION	EACH
STA 89+40.8, 6.0' RT	1
STA 115+84.59, 4.0' RT	1
STA 138+36.48, 30.33' LT	1
TOTALS	3

STRIP REFLECTIVE CRACK CONTROL TREATMENT ITEM NO. 44300100

LOCATION	(FOOT)
73+00 - 78+50 LT	550
73+00 - 139+50 RT	6650
85+50 - 93+00 LT	750
120+00 - 139+50 LT	1950
TOTAL	9900

THERMOPLASTIC PAVEMENT MARKING TYPE II LETTERS AND SYMBOLS ITEM NO. 78000100

LOCATION	SYMBOLS (SQ. FT.)	COMMENTS
75+47 CL	15.6	LEFT ARROW
76+10 CL	15.6	LEFT ARROW
76+73 CL	15.6	LEFT ARROW
78+17 CL	15.6	LEFT ARROW
78+80 CL	15.6	LEFT ARROW
79+43 CL	15.6	LEFT ARROW
88+81 CL	15.6	LEFT ARROW
89+21 CL	15.6	LEFT ARROW
89+77 CL	15.6	LEFT ARROW
90+98 CL	15.6	LEFT ARROW
91+39.5 CL	15.6	LEFT ARROW
91+81 CL	15.6	LEFT ARROW
121+25 CL	15.6	LEFT ARROW
121+88 CL	15.6	LEFT ARROW
122+51 CL	15.6	LEFT ARROW
125+68 CL	31.2	DOUBLE LEFT ARROW
128+18 CL	31.2	DOUBLE LEFT ARROW
130+68 CL	31.2	DOUBLE LEFT ARROW
133+18 CL	31.2	DOUBLE LEFT ARROW
135+68 CL	31.2	DOUBLE LEFT ARROW
138+18 CL	31.2	DOUBLE LEFT ARROW
139+72 CL	15.6	LEFT ARROW
140+35 CL	15.6	LEFT ARROW
140+98 CL	15.6	LEFT ARROW
RT 139+72	15.6	RIGHT ARROW
RT 140+35	15.6	RIGHT ARROW
RT 140+98	15.6	RIGHT ARROW
TOTALS	515	

EROSION CONTROL BLANKET ITEM NO. 25100630

LOCATION	(SQ.YD.)
112+80 - 122+85 LT	892

SODDING ITEM NO. 25200100

LOCATION	(SQ.YD.)
82+01 - 82+08 RT	3.8
82+14 - 85+91 RT	108
112+83 - 122+81 LT	399.2
TOTALS	511

SEEDING, CLASS 1 (SPECIAL) - 25000900 MULCH, SPECIAL - ITEM NO. XX006444

LOCATION	ACRE
71+69 - MYRA RIDGE DRIVE (LT)	0.2
MYRA RIDGE - STONE CREEK (LT)	1.8
STONE CREEK - 141+75.9 (LT)	0.7
71+45 - MYRA RIDGE DRIVE (RT)	0.2
MYRA RIDGE - SUSAN STONE (RT)	0.3
SUSAN STONE - 141+50 RT	1.4
MEDIAN AREAS	0.7
TOTALS	5.3

NITROGEN FERTILIZER NUTRIENTS ITEM NO. 25000400

LOCATION	POUND
71+69 - MYRA RIDGE DRIVE (LT)	18
MYRA RIDGE - STONE CREEK (LT)	162
STONE CREEK - 141+75.9 (LT)	63
71+45 - MYRA RIDGE DRIVE (RT)	18
MYRA RIDGE - SUSAN STONE (RT)	27
SUSAN STONE - 141+50 RT	126
MEDIAN AREAS	63
SOD AREAS	10
TOTALS	487

PHOSPHORUS FERTILIZER NUTRIENT ITEM NO. 25000500

LOCATION	POUND
71+69 - MYRA RIDGE DRIVE (LT)	18
MYRA RIDGE - STONE CREEK (LT)	162
STONE CREEK - 141+75.9 (LT)	63
71+45 - MYRA RIDGE DRIVE (RT)	18
MYRA RIDGE - SUSAN STONE (RT)	27
SUSAN STONE - 141+50 RT	126
MEDIAN AREAS	63
SOD AREAS	10
TOTALS	487

POTASSIUM FERTILIZER NUTRIENT ITEM NO. 25000600

LOCATION	POUND
71+69 - MYRA RIDGE DRIVE (LT)	18
MYRA RIDGE - STONE CREEK (LT)	162
STONE CREEK - 141+75.9 (LT)	63
71+45 - MYRA RIDGE DRIVE (RT)	18
MYRA RIDGE - SUSAN STONE (RT)	27
SUSAN STONE - 141+50 RT	126
MEDIAN AREAS	63
SOD AREAS	10
TOTALS	487

PIPE UNDERDRAINS, 6" ITEM NO. 6010770

LOCATION	(FOOT)
71+75 RT - STR# 1	60.3
71+75.1 LT - STR# 3	60.0
72+40.6 RT - STR# 5	194.2
72+40.7 LT - STR# 4	73.9
73+20.1 LT - STR# 6	114.1
STR# 36 - 83+35 RT	83.2
STR# 37 - 83+65 LT	84.7
STR# 39 - 85+35 LT	164.7
STR# 40 - 84+45 RT	58.2
STR# 41 - 85+35 RT	83.2
90+77 RT - STR# 55	119.7
90+77 LT - STR# 56	119.2
92+02 RT - STR# 57	244.7
92+02 LT - STR# 58	244.2
94+52 RT - STR# 59	120.7
94+52 LT - STR# 60	120.2
95+78 RT - STR# 61	144.7
95+78 LT - STR# 62	143.2
97+28 RT - STR# 63	94.7
97+28 LT - STR# 64	93.2
98+28 RT - STR# 67	219.7
98+28 LT - STR# 65	70.2
99+05 LT - STR# 68	141.2
100+53 RT - STR# 70	134.7
100+53 LT - STR# 69	63.2
101+23 LT - STR# 71	63.2
101+93 RT - STR# 73	194.7
101+93 LT - STR# 72	73.2
102+73 LT - STR# 74	113.2
103+93 RT - STR# 76	174.7
103+93 LT - STR# 75	93.2
104+93 LT - STR# 77	73.2
117+85 RT - STR# 99	64.2
117+85 LT - STR# 100	64.2
118+55 RT - STR# 101	47.0
118+55 LT - STR# 102	46.0
STR# 104 - 119+63 RT	49.2
STR# 105 - 119+63 LT	49.2
STR# 106 - 120+33 RT	64.2
STR# 107 - 120+33 LT	64.2
139+00 RT - STR# 147	176.0
139+00 LT - STR# 148	176.0
STR# 150 - 141+20 RT	33.3
STR# 151 - 141+20 LT	32.9
TOTALS	4702

POLYUREA PAVEMENT MARKING TYPE II

ITEM NO.	78008310		78008330	78008350	78008370
LOCATION	4" DOUBLE YELLOW NARROW (FOOT)	4" SOLID WHITE (FOOT)	6" CROSS WALK WHITE (FOOT)	12" DIAGONAL WHITE (FOOT)	24" STOP BAR WHITE (FOOT)
MYRA RIDGE DR/WINDSOR RD-NORTH LEG	162	81	136		31
MYRA RIDGE DR/WINDSOR RD-SOUTH LEG	158		102		17
STONE CREEK BLVD/WINDSOR RD		155	221		33
REFRESH EXISTING LT 141+50 TO 141+79.6	59				
REFRESH EXISTING RT 141+50 TO RT 141+79.6		34			
REFRESH EXISTING 141+80.6					25
REFRESH EXISTING WINDSOR RD/HIGH CROSS RD RIGHT TURN LANE					17.0
REFRESH EXISTING RT 141+54.8 TO RT 142+00			136		
REFRESH EXISTING WITHIN CROSSWALK-WINDSOR RD/HIGH CROSS RD				81	
	379	270	595		123
TOTALS	649		595	81	246

POLYUREA PAVEMENT MARKING TYPE II LETTERS AND SYMBOLS ITEM NO. 78008300

LOCATION	SYMBOLS (SQ. FT.)	COMMENTS
MYRA RIDGE DR/WINDSOR RD-NORTH LEG	15.6	RIGHT ARROW
MYRA RIDGE DR/WINDSOR RD-NORTH LEG	15.6	RIGHT ARROW
STONE CREEK BLVD/WINDSOR RD	15.6	LEFT ARROW
STONE CREEK BLVD/WINDSOR RD	15.6	LEFT ARROW
STONE CREEK BLVD/WINDSOR RD	15.6	LEFT ARROW
REFRESH 141+61.6	15.6	LEFT ARROW
REFRESH WINDSOR RD/HIGH CROSS RD RIGHT TURN LANE	15.6	RIGHT ARROW
TOTALS	109	

CONTRACT NO. 91391

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DATED: 1/09
DRAWN BY: AJS
DESIGNED BY: CES
CHECKED BY: GLJ

CITY SECTION
00-00361-00-PV

WINDSOR ROAD IMPROVEMENTS
SCHEDULE OF QUANTITIES

SHEET NO. 8 OF 145

JAN 08 2009 8:16AM QTY SCHEDULE02.DWG

CONTRACT NO. 91391

CLASS C PATCHES, TYPE I, 12" ITEM NO. 44201373			
LOCATION	WIDTH	*STR. NO.*	*(SQ.YD.)*
84+86 - 84+90	5.4'-5.7'		2.5
99+12.2 - 16.2'	7.1'		3.2
100+19 - 100+23	7.7'		3.4
101+22.8 - 101+26.8	8'		3.5
103+02 - 103+06	8.7'		3.8
105+55.1 - 105+59.1	8.7'		3.8
106+92.5 - 106+96.5	8.5'		3.8
107+61.8 - 107+65.8	8.2'		3.6
110+42.2 - 110+46.2	6.3'		2.8
110+86.3 - 110+90.3	6'		2.7
118+16.7 - 118+20.7	4'		1.8
119+71 - 119+75	4.8'-5'		2.2
128+96.4 - 129+00.4	4'		4.4
128+96.4 - 129+00.4	4'		3.7
140+84 - 140+88	4'	150-151	4.3
TOTALS			**50**

CLASS C PATCHES, TYPE II, 12" ITEM NO. 44201377			
LOCATION	WIDTH	*STR. NO.*	*(SQ.YD.)*
72+33.6 - 72+37.6	4'	1-2	6.7
72+33.6 - 72+37.6	4'	1-2	6.9
72+33.6 - 72+37.6	4'	1-2	10.9
74+33 - 74+37	4'	5-6	9.6
74+44.7 - 74+48.7	4'		9.9
82+78 - 82+82	4'	36-37	10.2
83+68 - 83+72	4'	38-39	10.2
85+38 - 85+42	4'	44-45	5.1
85+38 - 85+42	4'	44-45	5.4
87+28 - 87+32	4'	46-47	5.1
87+28 - 87+32	4'	46-47	5.5
88+94.4 - 88+98.4	4'		5.1
89+36.4 - 89+40.4	4'		10.7
90+70 - 90+74	4'	53-54	10.5
91+95 - 91+99	4'	55-56	10.7
92+11 - 92+21	6.5'		7.2
92+40 - 92+52	6'		8.0
93+07.3 - 93+25.3	6'		12.0
95+71 - 95+75	4'	59-60	7.6
97+21 - 97+32	VARIES	61-62	13.1
98+21 - 98+25	4'	63-64	8.0
100+46 - 100+50	4'	67-68	8.0
101+86 - 101+90	4'	70-71	8.0
103+86 - 103+90	4'	73-74	8.0
105+66 - 105+70	4'	76-77	8.0
107+16 - 107+20	4'	78-79	8.0
108+41 - 108+45	4'	80-81	8.0
110+11 - 110+15	4'	82-83	8.0
111+73 - 111+77	4'	85-86	7.7
113+08 - 113+12	4'	88-89	7.8
114+48 - 114+52	4'	90-91	7.7
115+88 - 115+92	4'	94-95	7.4
115+98.2 - 116+16.2	4.2'		8.3
122+72.7 - 122+76.7	4'		5.3
125+00 - 125+04	4'	112-113	6.2
126+73 - 126+78	5'	116-117	8.3
126+73 - 126+78	5'	116-117	12.5
127+77.3 - 127+81.3	4'		5.3
127+88 - 127+92	4'	121-122	5.1
127+88 - 127+92	4'	121-122	10.0
130+73 - 130+77	4'	130-131	11.3
134+35 - 134+39	4'	134-135	5.7
134+34 - 134+39	4'	134-135	6.0
140+84 - 140+88	4'	150-151	6.7
140+84 - 140+88	4'	150-151	11.1
TOTALS			**367**

CLASS C PATCHES, TYPE III, 12" ITEM NO. 44201381			
LOCATION	WIDTH	*STR. NO.*	*(SQ.YD.)*
81+22 - 81.36.2	11.1'	30-31	17.5
93+81.8 - 94+11.8	6'		19.8
94+41 - 94+59.1	VARIES	57-58	15.6
94+59.1 - 94+92.1	6.5'		23.8
109+38 - 109+61	6.8'		17.3
111+96.7 - 112+21.7	5.5'		15.3
124+92.7 - 125+04	VARIES	112-113	20.4
TOTALS			**130**

CLASS C PATCHES, TYPE IV, 12" ITEM NO. 44201383			
LOCATION	WIDTH	*STR. NO.*	*(SQ.YD.)*
80+91.2 - 81+49.5	VARIES	30-31	59.2
88+61.4 - 89+16.4	6.5'		39.8
89+68 - 90+53	6'		56.7
90+91.5 - 91+58.5	6.5'		53.5
95+85 - 96+32	VARIES		42.8
116+67.3 - 117+07.3	6'		26.7
118+44.5 - 119+18.5	6.5'	101-102	57.1
TOTALS			**336**

REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL ITEM NO. 20201200	
LOCATION	*(CU.YD.)*
71+70 - 78+00 LT	461
120+50 - 121+00 LT	70
123+00 - 125+50 LT	141
141+00 - 141+50 LT	21
71+70 - 108+50 RT	931
114+50 - 121+00 RT	187
123+00 - 125+50 RT	70
130+00 - 141+50 RT	298
TOTALS	***2179***

BITUMINOUS MATERIALS (PRIME COAT) ITEM NO. 40600100	
LOCATION	*GALLON*
2 1/2" MILLED AREAS	1333
AGGREGATE AREAS	3350
71+70 - 141+50	7258
MULTI-USE PATH	261
TOTALS	**12202**

HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2" ITEM NO. 44000159	
LOCATION	*(SQ.YD.)*

HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH ITEM NO. 44000198	
LOCATION	*(SQ.YD.)*
71+70 - 72+25	724
139+70 - 141+50	1105

POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90 ITEM NO. 40603545	
LOCATION	*TON*

HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 ITEM NO. 40603090	
LOCATION	*TON*
2 1/2" MILLED AREA	1867
72+25 - 139+70	18779

1 LOCATION	2 EARTH EXCAVATION	3 UNSUITABLE MATERIAL	4 THEORETICAL EXCAVATION	5 EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	6 THEORETICAL EMBANKMENT	7 6" TOP SOIL SOURCE	8 THEORETICAL TOP SOIL REQUIRED	9 EARTHWORK BALANCE WASTE (+) or SHORTAGE (-)
	CY	CY	CY	CY	CY	CY	CY	CY
STA. 71+70 TO MYRA RIDGE LT	626	461	1087	815	16	0	84	799
MYRA RIDGE TO STONE CREEK LT	1606	98	1704	1278	9573	3325	977	-8295
STONE CREEK TO 141+50 LT	208	134	342	257	2972	1036	367	-2716
STA. 71+70 TO MYRA RIDGE RT	150	147	297	223	244	0	66	-21
MYRA RIDGE TO SUSAN STONE RT	515	971	1486	1115	413	0	161	702
SUSAN STONE TO STA. 141+50 RT	777	368	1145	859	2456	1215	789	-1597
MEDIAN FILL					1101		2147	-1101
TOTALS	3882	2179	6061	4546	16775	5576	4591	-12229

COLUMN 1: LOCATION FROM PLANS.
COLUMN 2: CUT QUANTITIES FROM CROSS SECTIONS.
COLUMN 3: UNSUITABLE MATERIALS FROM CROSS SECTIONS.
COLUMN 4: COLUMN 2 + COLUMN 3
COLUMN 5: QUANTITY OF EARTH EXCAVATION ADJUSTED FOR A SHRINKAGE FACTOR OF 25%.
COLUMN 6: FILL QUANTITIES FROM CROSS SECTIONS.
COLUMN 7: 6" OF TOP SOIL REMOVAL FROM CROSS SECTIONS.
COLUMN 8: 4' TOP SOIL REQUIRED FROM PLANS CONVERTED TO CUBIC YARDS.
COLUMN 9: COLUMN 5 - COLUMN 6

CITY OF URBANA
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ENGINEERING DIVISION

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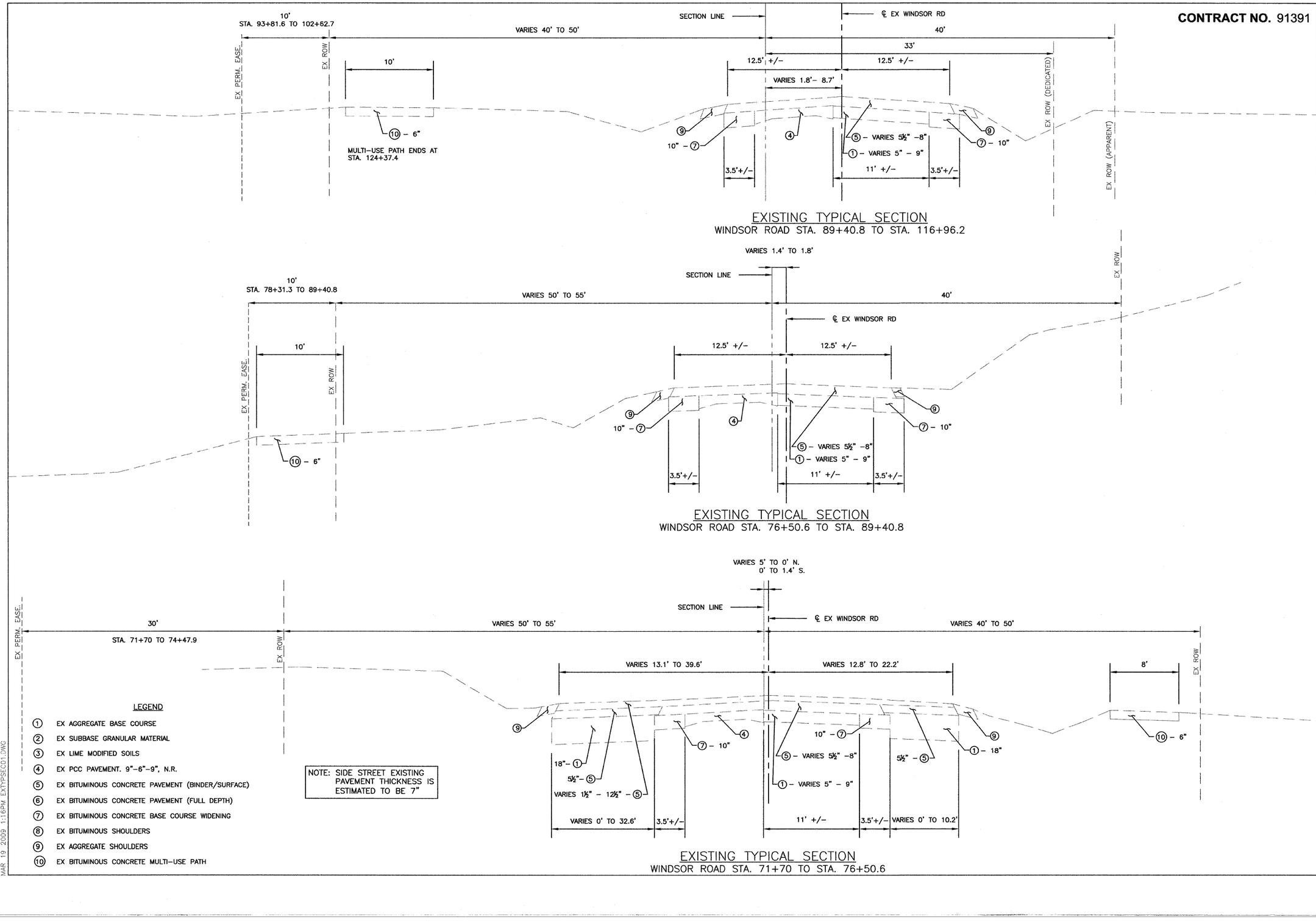
WINDSOR ROAD IMPROVEMENTS
SCHEDULE OF QUANTITIES

SHEET NO. 9 OF 145

MAR 18 2009 9:45AM QTY SCHEDULE03.DWG

CONTRACT NO. 91391



LEGEND

① EX AGGREGATE BASE COURSE
② EX SUBBASE GRANULAR MATERIAL
③ EX LIME MODIFIED SOILS
④ EX PCC PAVEMENT. 9"-6"-9", N.R.
⑤ EX BITUMINOUS CONCRETE PAVEMENT (BINDER/SURFACE)
⑥ EX BITUMINOUS CONCRETE PAVEMENT (FULL DEPTH)
⑦ EX BITUMINOUS CONCRETE BASE COURSE WIDENING
⑧ EX BITUMINOUS SHOULDERS
⑨ EX AGGREGATE SHOULDERS
⑩ EX BITUMINOUS CONCRETE MULTI-USE PATH

NOTE: SIDE STREET EXISTING PAVEMENT THICKNESS IS ESTIMATED TO BE 7"

MAR 19 2009 1:16PM EXTYPSEC01.DWG

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

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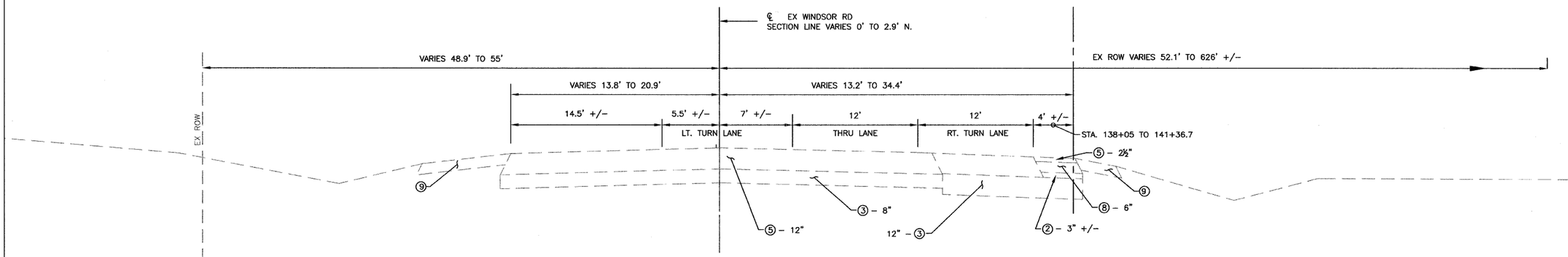
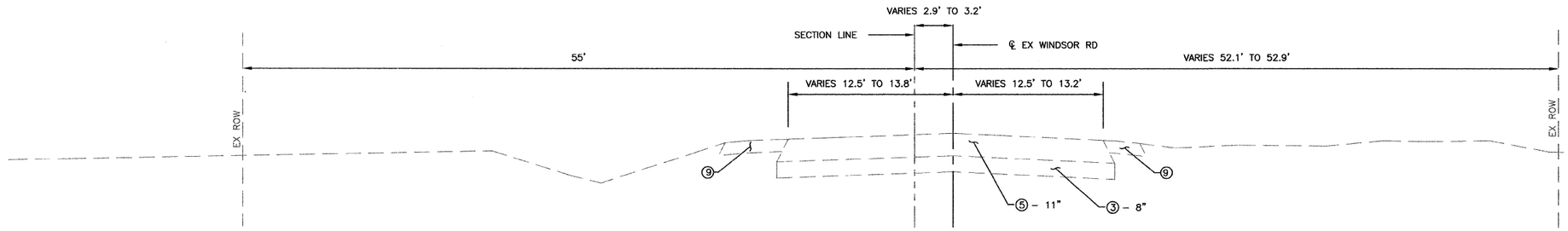
WINDSOR ROAD IMPROVEMENTS
EXISTING TYPICAL SECTIONS

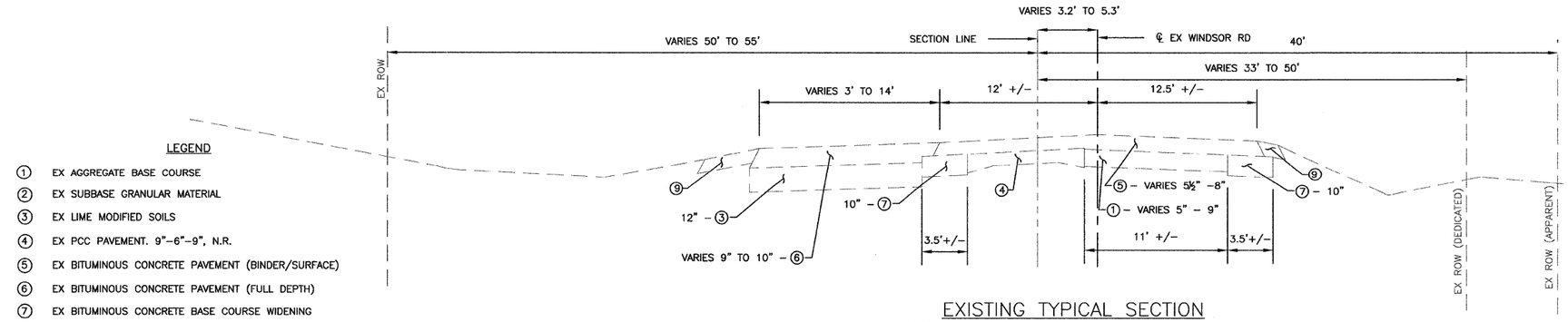
CONTRACT NO. 91391



EXISTING TYPICAL SECTION
WINDSOR ROAD STA. 134+28.6 TO STA. 141+50



EXISTING TYPICAL SECTION
WINDSOR ROAD STA. 131+78.6 TO STA. 134+28.6



EXISTING TYPICAL SECTION
WINDSOR ROAD STA. 116+96.2 TO STA. 131+78.6

LEGEND

① EX AGGREGATE BASE COURSE
② EX SUBBASE GRANULAR MATERIAL
③ EX LIME MODIFIED SOILS
④ EX PCC PAVEMENT. 9"-6"-9", N.R.
⑤ EX BITUMINOUS CONCRETE PAVEMENT (BINDER/SURFACE)
⑥ EX BITUMINOUS CONCRETE PAVEMENT (FULL DEPTH)
⑦ EX BITUMINOUS CONCRETE BASE COURSE WIDENING
⑧ EX BITUMINOUS SHOULDERS
⑨ EX AGGREGATE SHOULDERS
⑩ EX BITUMINOUS CONCRETE MULTI-USE PATH

JAN 07 2009 8:55AM ECTYPSEC02.DWG

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WINDSOR ROAD IMPROVEMENTS
EXISTING TYPICAL SECTIONS

SHEET NO.
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OF
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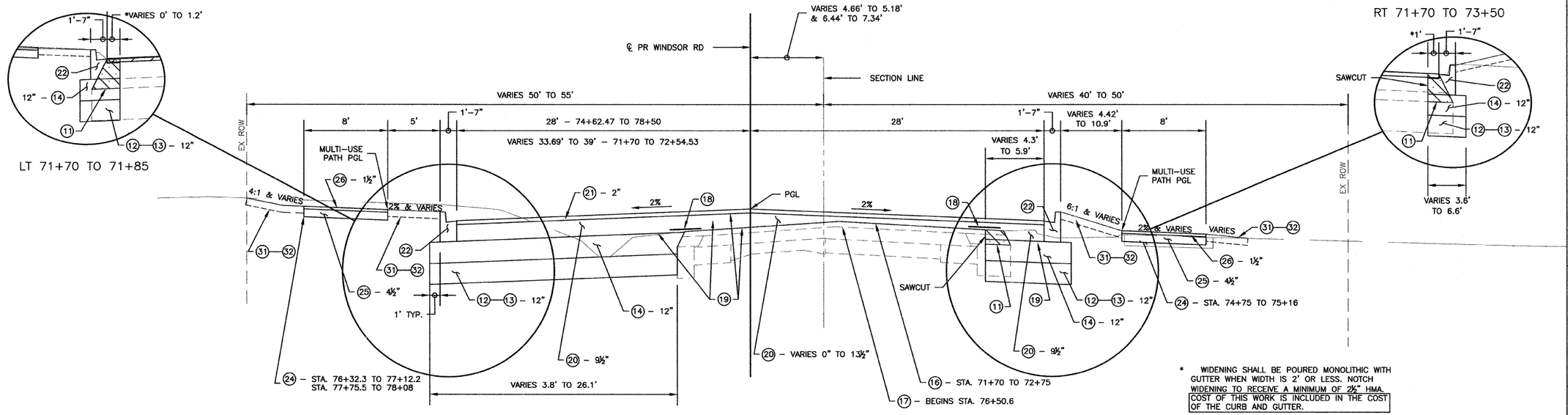
CONTRACT NO. 91391



* WIDENING SHALL BE POURED MONOLITHIC WITH GUTTER WHEN WIDTH IS 2' OR LESS. NOTCH WIDENING TO RECEIVE A MINIMUM OF 2" HMA. COST OF THIS WORK IS INCLUDED IN THE COST OF THE CURB AND GUTTER.

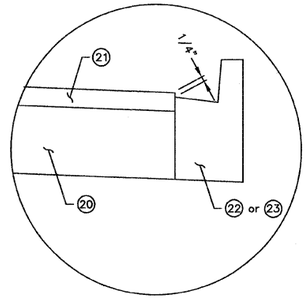
PROPOSED TYPICAL SECTION
WINDSOR ROAD STA. 71+70 TO STA. 72+54.53
WINDSOR ROAD STA. 74+62.47 TO STA. 78+50

NOTE : IF AN ANTI-STRIPING ADDITIVE IS REQUIRED FOR ANY HOT-MIX ASPHALT MIXTURE, THE COST OF THE ADDITIVE WILL NOT BE PAID FOR SEPARATELY AS DESCRIBED IN ARTICLE 406.14 OF THE STANDARD SPECIFICATIONS. IF THE CONTRACTOR ANTICIPATES THAT AN ADDITIVE WILL BE NEEDED, THE COST SHOULD BE INCLUDED IN THE UNIT BID PRICE.

NOTES:

1. HOT-MIX ASPHALT BINDER SHALL BE PLACED IN ACCORDANCE WITH ARTICLE 407.6 (C) OF THE STANDARD SPECIFICATIONS.
2. BITUMINOUS MATERIALS (PRIME COAT) SHALL BE APPLIED BETWEEN ALL LIFTS OF HMA AT A RATE OF 0.03 TO 0.05 GAL/SQ. YD.
3. THE EXISTING EARTH SHALL BE UNDERCUT BELOW THE PROPOSED PAVEMENT TO THE DEPTH AND LOCATION SHOWN ON THE CROSS SECTIONS. AGGREGATE SUBGRADE, SPECIAL AND/OR AGGREGATE BASE COURSE, TYPE A SHALL BE PLACED AND COMPACTED IN THE UNDERCUT AREAS. THE EARTH FROM THE UNDERCUT AREAS SHALL BE PLACED AS EMBANKMENT IN FILL AREAS BEHIND THE PROPOSED BACK OF CURBS. UNDERCUT WILL NOT BE ALLOWED AS FILL UNDER PAVEMENTS OR SIDEWALKS. EXCESS VOLUME OF UNDERCUT EXCAVATED WHICH IS NOT USED FOR EMBANKMENT AND IS WASTE AND IS DISPOSED OF OFF THE SITE WILL NOT BE PAID FOR SEPARATELY AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. EMBANKMENT WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN THE COST OF THE OTHER EARTHWORK ITEMS. SEE THE CROSS SECTIONS AND THE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.
4. THE TOPSOIL THAT IS EXCAVATED SHALL BE STOCKPILED AND USED FOR TOPSOIL PLACEMENT. THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR TOPSOIL EXCAVATION AND PLACEMENT. THE EXCESS VOLUME OF TOPSOIL EXCAVATED AND NOT USED FOR TOPSOIL PLACEMENT SHALL BE PLACED AS EMBANKMENT IN FILL AREAS BEHIND THE PROPOSED BACK OF THE CURBS. TOPSOIL WILL NOT BE ALLOWED TO BE PLACED AS FILL UNDER PAVEMENTS OR SIDEWALKS. THE EXCESS VOLUME OF TOPSOIL EXCAVATED WHICH IS NOT USED FOR TOPSOIL PLACEMENT OR PLACED IN THE EMBANKMENT AREAS AND IS WASTE AND IS REMOVED AND DISPOSED OF OFF THE SITE WILL NOT BE PAID FOR SEPERATELY AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. EMBANKMENT WILL NOT BE PAID FOR SEPERATELY AND SHALL BE INCLUDED IN THE COST OF THE OTHER EARTHWORK ITEMS.
5. SEE PLAN AND PROFILE SHEETS FOR THE EXACT LOCATIONS OF EDGES OF PAVEMENTS, CURB AND GUTTERS, SIDEWALKS AND RIGHT-OF-WAY LINES. SEE CROSS SECTIONS FOR EXACT SIDE SLOPE RATIOS.
6. SEE SCHEDULE OF QUANTITIES SHEETS FOR LOCATIONS OF HOT-MIX ASPHALT SURFACE REMOVAL VARIABLE DEPTH, HOT-MIX ASPHALT SURFACE REMOVAL 2½", AGGREGATE SUBGRADE (SPECIAL), PROCESSING MODIFIED SOIL, AND AGGREGATE BASE COURSE, TYPE A.
7. THE MEDIAN AREA SHALL BE BACKFILLED WITH EARTH AND TOPSOIL. TOPSOIL SHALL BE PLACED IN THE TOP TWO FEET OF THE MEDIAN AREA.
8. AT SELECT LOCATIONS ON TYPICAL SECTIONS PLACE TOP OF AGGREGATE BASE COURSE, TYPE A EVEN WITH TOP OF EXISTING PAVEMENT SURFACE. SEE CROSS SECTIONS FOR FURTHER INFORMATION.

STRUCTURAL PAVEMENT DESIGN INFORMATION
WINDSOR ROAD – PAVEMENT WIDENING
STRUCTURAL DESIGN TRAFFIC: YEAR 2019
PV = 12350 SU = 260 MU = 390
ROAD/STREET CLASSIFICATION: CLASS I
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:
P = 50% S = 50% M = 50%
TRAFFIC FACTOR: TF = 2.02
SUBGRADE SUPPORT RATING: SSR = "POOR"
MINIMUM STRUCTURAL DESIGN REQUIREMENTS:
HMA SURFACE COURSE =2"
HMA CONCRETE BINDER COURSE =9.5"
MODIFIED SUBGRADE OR AGGREGATE BASE COURSE, TYPE A =12"



HMA ADJACENT TO COMBINATION CONCRETE CURB AND GUTTER (TYPICAL)

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

	(20)	(21)	(25)	(26)	INCIDENTAL HOT-MIX ASHPALT	
LOCATION	WINDSOR RD	WINDSOR RD	MULTI-USE PATH	MULTI-USE PATH	ENTRANCES	ENTRANCES
MIXTURE USE	WIDENING & BINDER	2" POLYMER SURFACE	4 1/2" BINDER	1 1/2" SURFACE	6" BINDER	2" OR 3" SURFACE
AC/PG	PG 64-22	SBS PG 64-28	PG 64-22	PG 64-22	PG 64-22	PG 64-22
RAP % (MAX)	10	10	30	30	25	15
DESIGN AIR VOIDS	4.0% @ NDES=90	4.0% @ NDES=90	4.0% @ NDES=30	4.0% @ NDES=30	4.0% @ NDES=50	4.0% @ NDES=50
MIX COMP (GRADATION)	IL 19.0	IL 9.5	IL 19.0L	IL 9.5L	IL 19.0	IL 9.5
FRICTION AGGREGATE	N.A.	MIX D	N.A.	MIX C	N.A.	MIX C

NOTE: SIDE STREET PROPOSED PAVEMENT SHALL BE "PORTLAND CEMENT CONCRETE PAVEMENT 7" ATOP 4" MINIMUM OF "SUB-BASE GRANULAR MATERIAL, TYPE B"

LEGEND

(11) PR PAVEMENT REMOVAL
(12) PR REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
(13) PR AGGREGATE SUBGRADE (SPECIAL)
(14) PR AGGREGATE BASE COURSE, TYPE A
(15) PR PROCESSING MODIFIED SOIL
(16) PR HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
(17) PR HOT-MIX ASPHALT SURFACE REMOVAL, 2 ½"
(18) PR STRIP REFLECTIVE CRACK CONTROL TREATMENT
(19) PR BITUMINOUS MATERIALS (PRIME COAT)
(20) PR HOT-MIX ASHPALT BINDER COURSE, IL-19.0, N90
(21) PR POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX"D", N90
(22) PR COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
(23) PR COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
(24) PR PORTLAND CEMENT CONCRETE SIDEWALK, 6"
(25) PR HOT-MIX ASPHALT BINDER COURSE, IL-19L, N30
(26) PR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N30
(27) PR SEGEMENTAL CONCRETE BLOCK WALL
(28) PR SEGEMENTAL CONCRETE BLOCK WALL, SPECIAL
(29) PR HANDRAIL
(30) PR STONE DUMPED RIPRAP, CLASS A3
(31) PR TOPSOIL 4"
(32) PR SEEDING AND MULCH
(33) PR SODDING
(34) PR SUB-BASE GRANULAR MATERIAL, TYPE B

CITY OF URBANA
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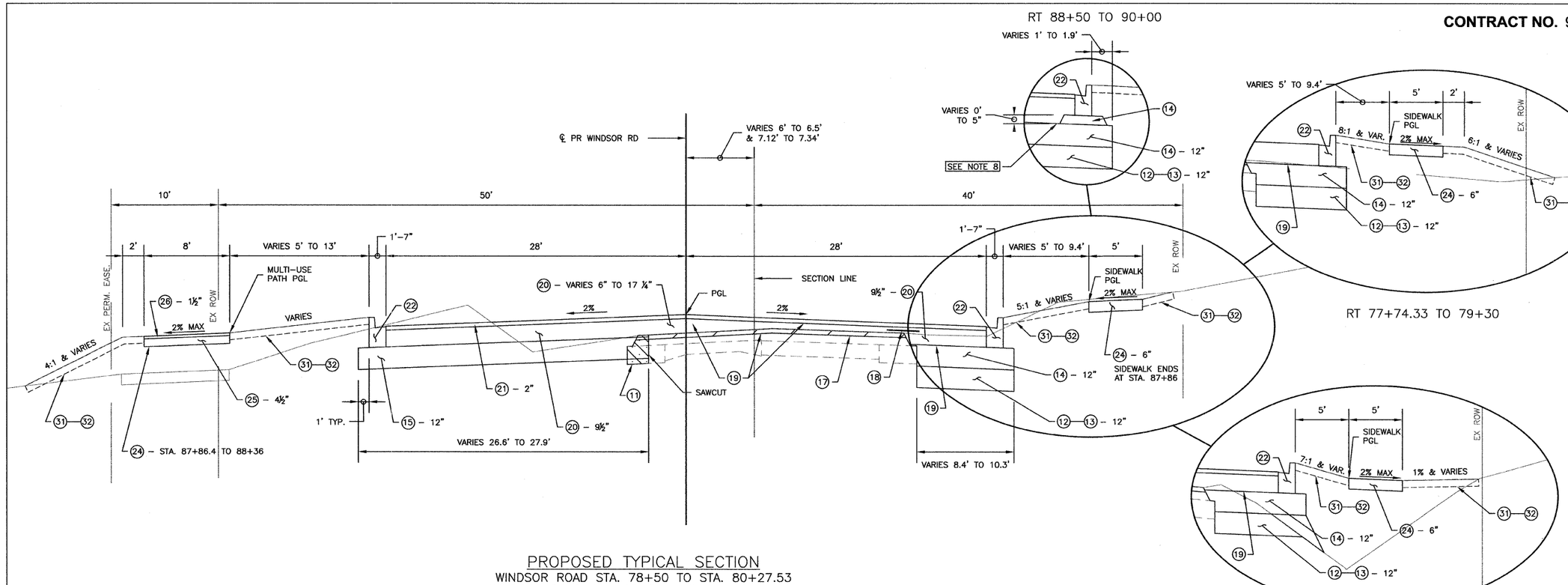
WINDSOR ROAD IMPROVEMENTS
PROPOSED TYPICAL SECTIONS

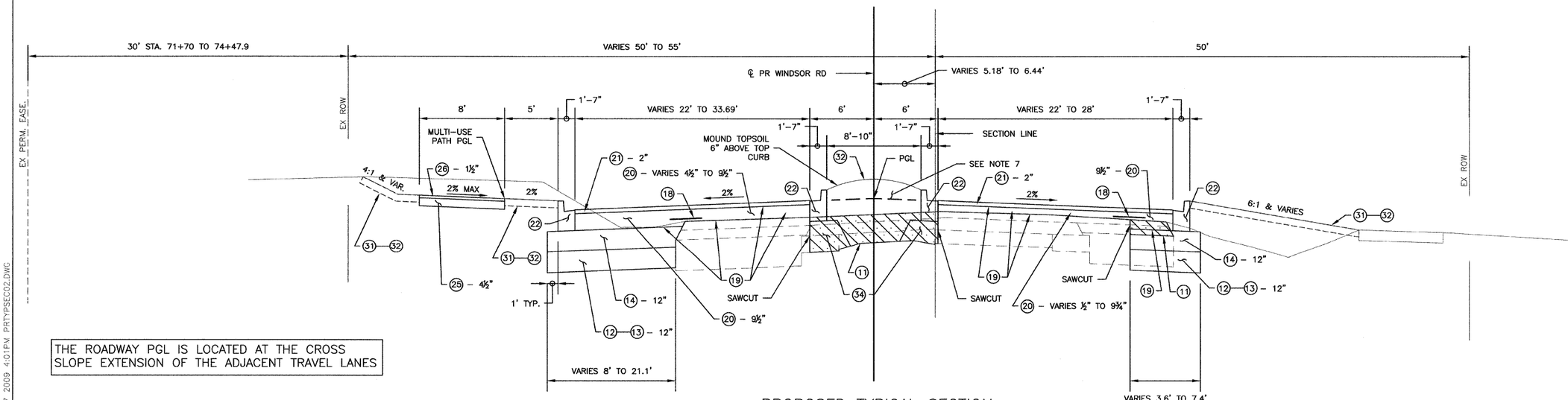
SHEET NO. 12 OF 145

MAR 19 2009 3:52PM PRTYPSEC01.DWG

CONTRACT NO. 91391



PROPOSED TYPICAL SECTION
WINDSOR ROAD STA. 78+50 TO STA. 80+27.53
WINDSOR ROAD STA. 85+31.40 TO STA. 89+40.8



THE ROADWAY PGL IS LOCATED AT THE CROSS SLOPE EXTENSION OF THE ADJACENT TRAVEL LANES

PROPOSED TYPICAL SECTION
WINDSOR ROAD STA. 72+54.53 TO STA. 74+62.47

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CITY OF URBANA
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WINDSOR ROAD IMPROVEMENTS
PROPOSED TYPICAL SECTIONS

SHEET NO.
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OF
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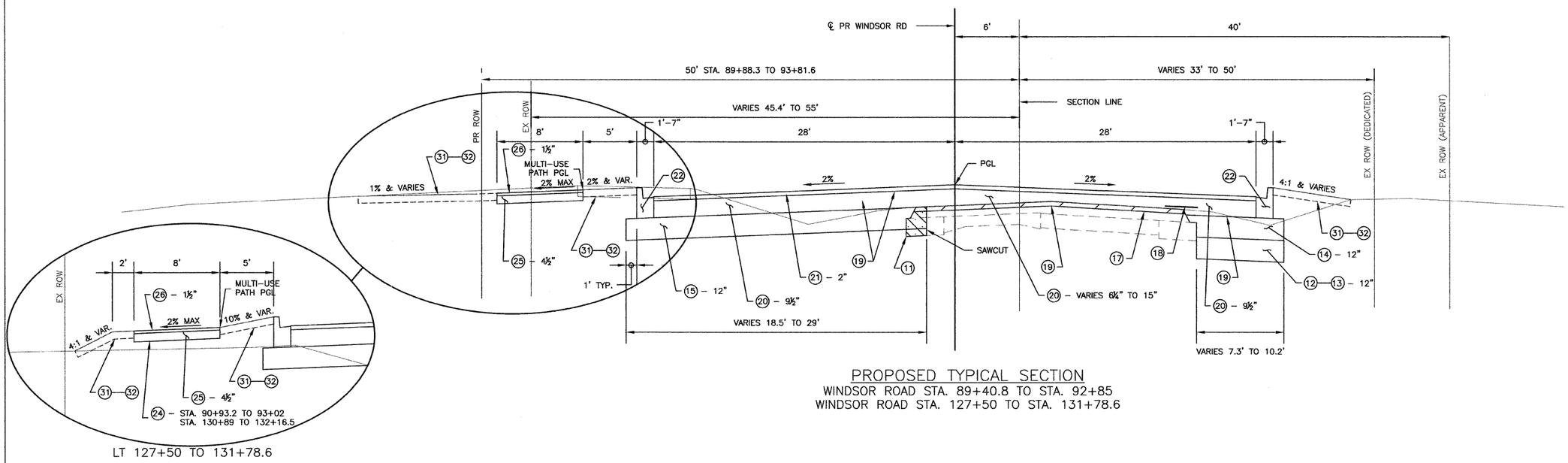
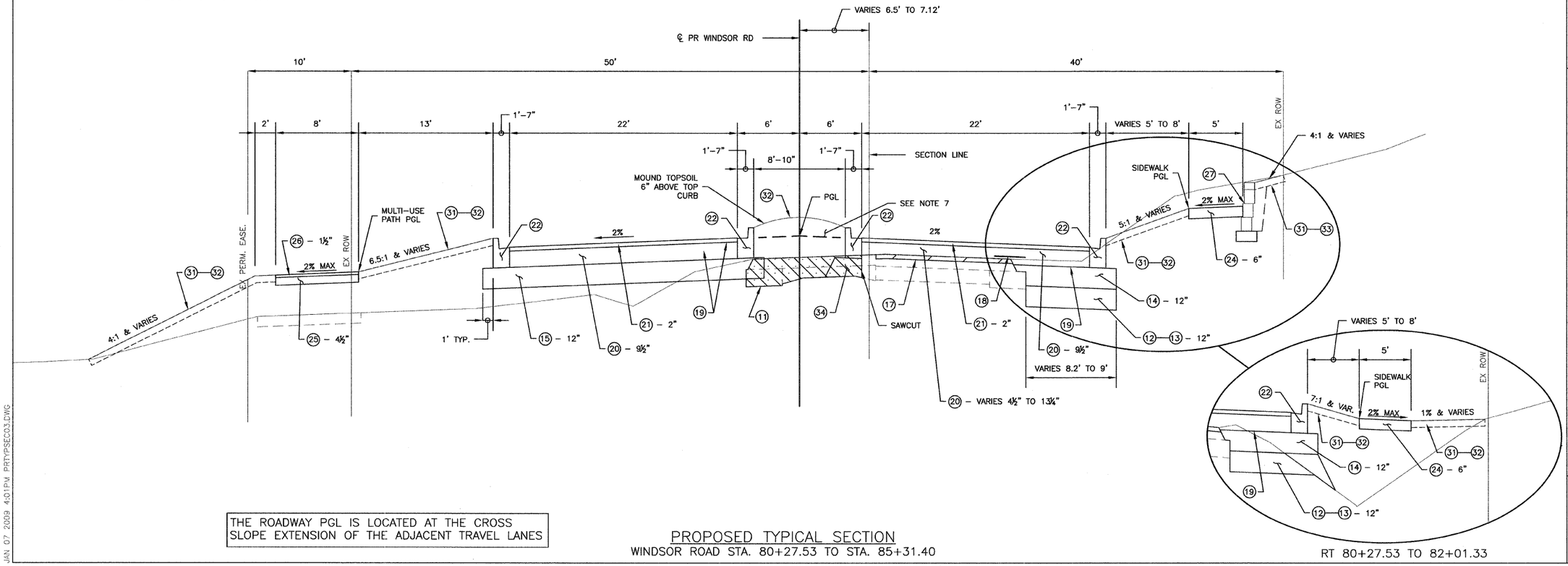
CONTRACT NO. 91391



LT 127+50 TO 131+78.6

PROPOSED TYPICAL SECTION
WINDSOR ROAD STA. 89+40.8 TO STA. 92+85
WINDSOR ROAD STA. 127+50 TO STA. 131+78.6



THE ROADWAY PGL IS LOCATED AT THE CROSS SLOPE EXTENSION OF THE ADJACENT TRAVEL LANES

PROPOSED TYPICAL SECTION
WINDSOR ROAD STA. 80+27.53 TO STA. 85+31.40

RT 80+27.53 TO 82+01.33

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WINDSOR ROAD IMPROVEMENTS
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SHEET NO.
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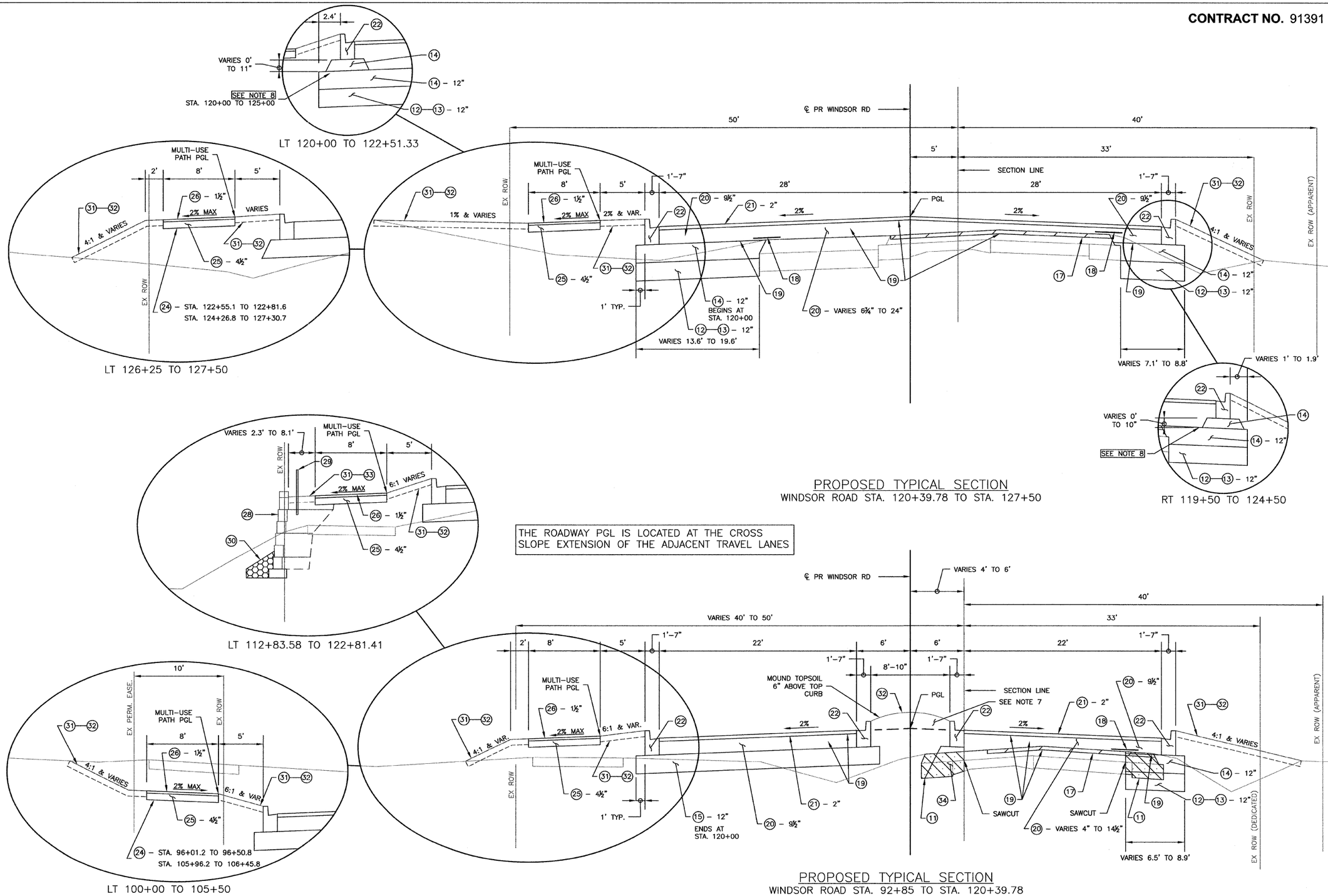
OF
145

CONTRACT NO. 91391



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DRAWN BY: AJS
CHECKED BY: GLJ

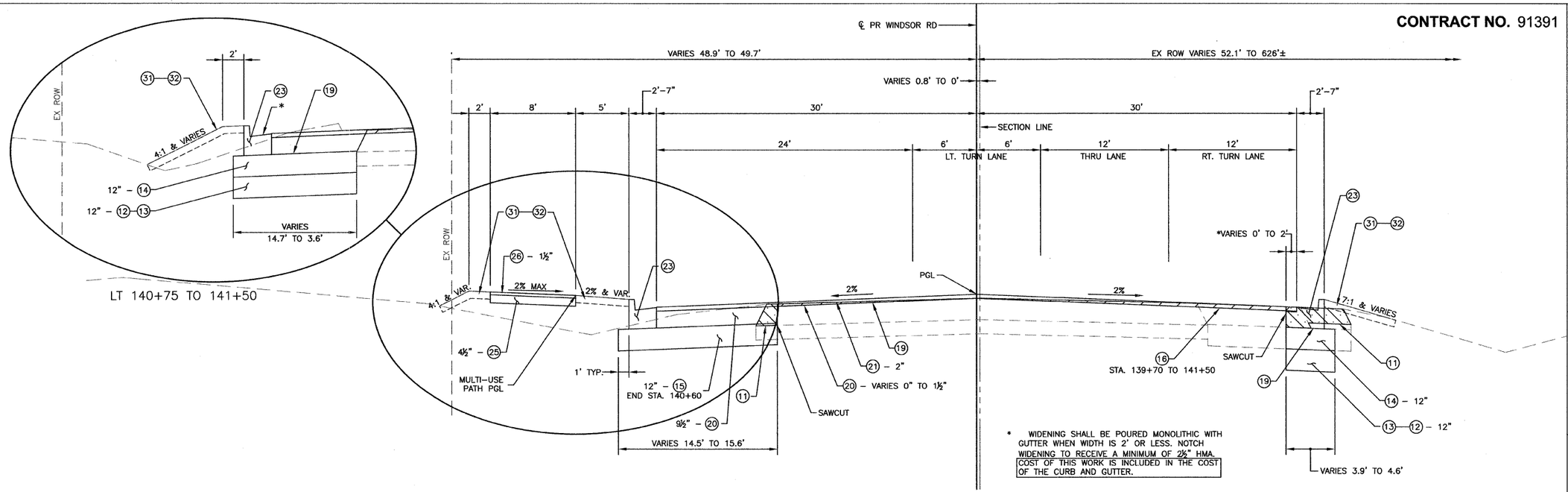
CITY SECTION
00-00361-00-PV

WINDSOR ROAD IMPROVEMENTS
PROPOSED TYPICAL SECTIONS

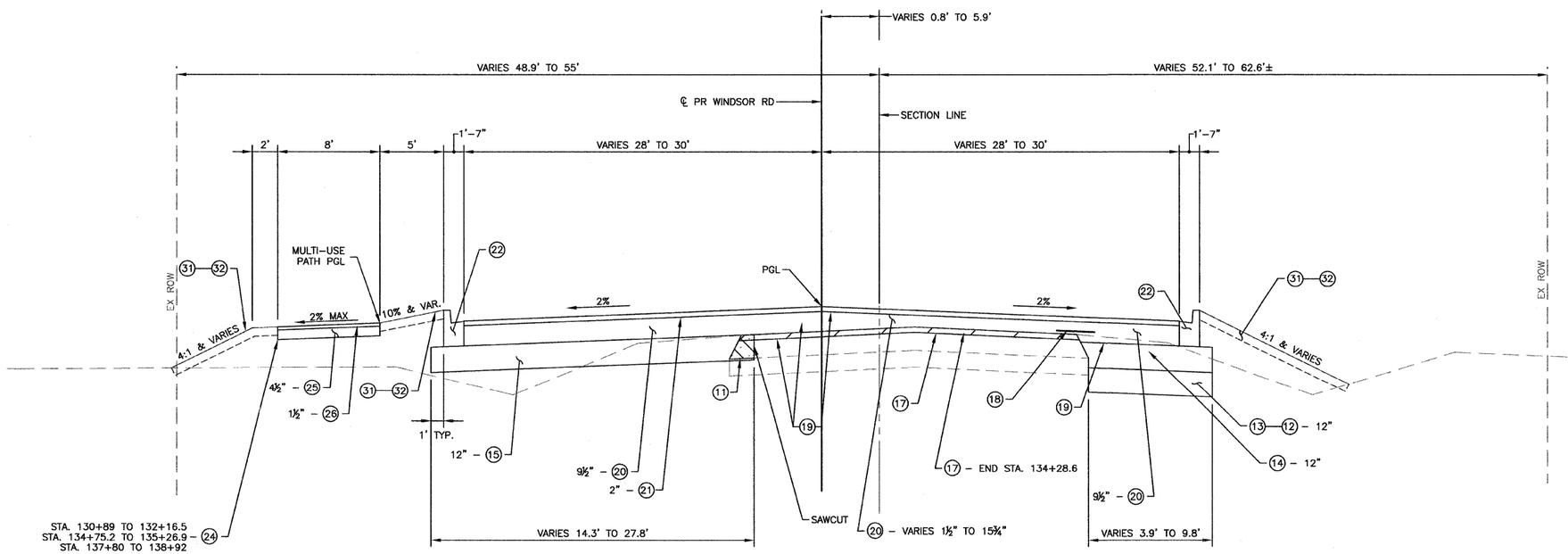
SHEET NO.
15
OF
145

JAN 07 2009 4:01PM PRTYPSEC04.DWG

CONTRACT NO. 91391



PROPOSED TYPICAL SECTION
WINDSOR ROAD STA. 139+72 TO STA. 141+50



PROPOSED TYPICAL SECTION
WINDSOR ROAD STA. 131+78.6 TO STA. 139+72

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DRAWN BY: AJS
CHECKED BY: GLJ
DESIGNED BY: CES
DATED: 1/09

CITY SECTION
00-00361-00-PV

WINDSOR ROAD IMPROVEMENTS
PROPOSED TYPICAL SECTIONS

SHEET NO.
16
OF
145

JAN 07 2009 4:01PM PRTYPSEC05.DWG

CONTRACT NO. 91391

JAN 07 2009 9:17AM HALIGN&CONTROL01.DWG

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

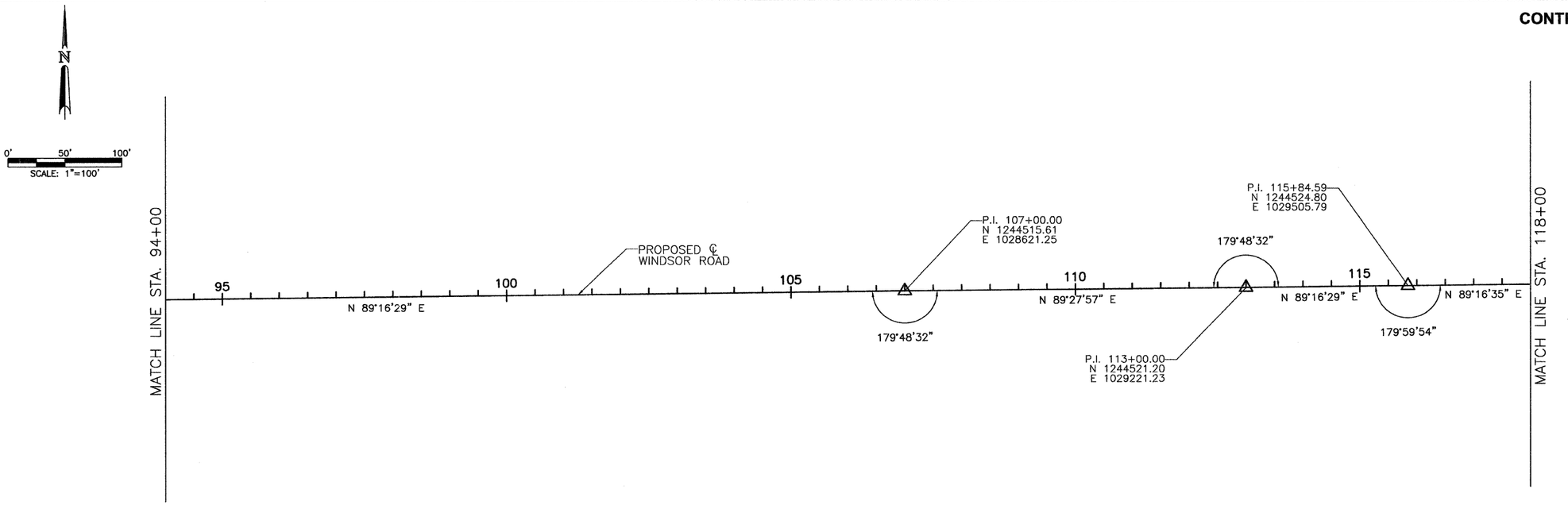
DATED: 1/09 | DRAWN BY: JSC
DESIGNED BY: CES | CHECKED BY: GLJ

CITY SECTION
00-00361-00-PV

WINDSOR ROAD IMPROVEMENTS
HORIZONTAL ALIGNMENT LAYOUT AND CONTROL

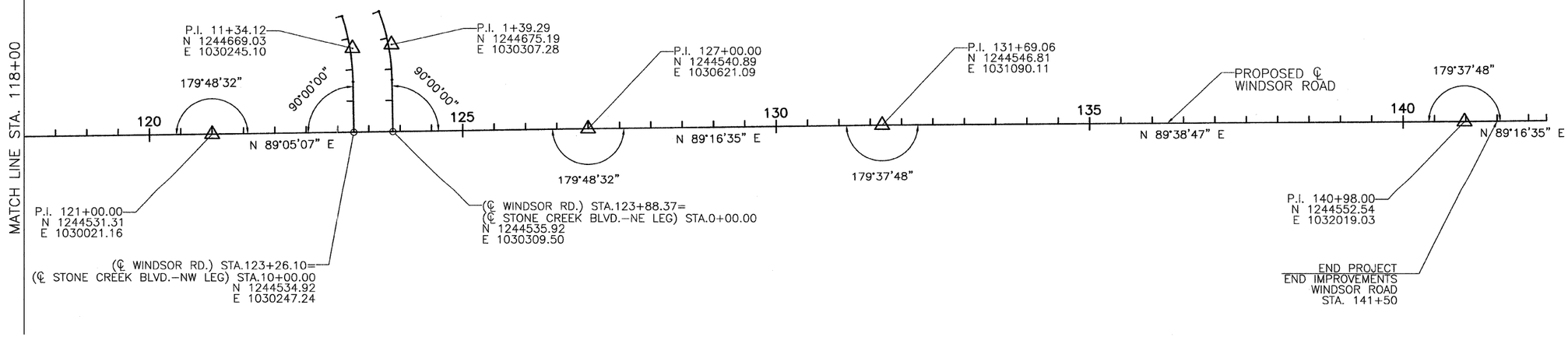
SHEET NO.
17
OF
145

CONTRACT NO. 91391



STONE CREEK BLVD. NW LEG CURVE
PI STA.=11+34.12
Δ=17°06'18"
D=14°57'35"
R=383.00'
T=57.59'
L=114.34'
E=57.60'
PC STA.=10+76.53
PT STA.=11+90.87
BACK BEARING=N 0°54'52" E
AHEAD BEARING=N 18°01'16" W

STONE CREEK BLVD. NE LEG CURVE
PI STA.=1+39.29
Δ=19°50'45"
D=17°44'19"
R=323.00'
T=56.50'
L=111.88'
E=56.51'
PC STA.=0+82.79
PT STA.=1+94.67
BACK BEARING=N 0°54'52" W
AHEAD BEARING=N 20°39'32" W



MAR 19, 2009 1:27PM H:\ALIGN&CONTROL02.DWG

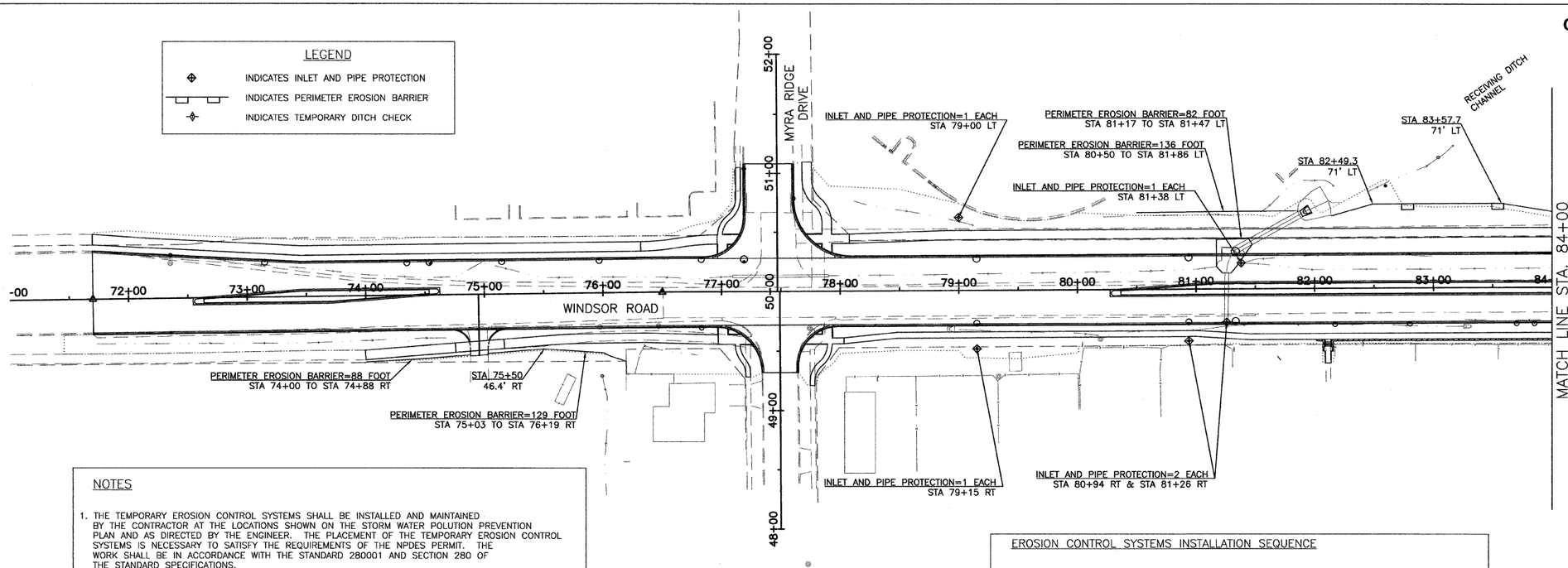
CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DATED: 1/09
DESIGNED BY: CES
DRAWN BY: JSC
CHECKED BY: GLJ
CITY SECTION
00-00361-00-PV

WINDSOR ROAD IMPROVEMENTS
HORIZONTAL ALIGNMENT
LAYOUT AND CONTROL

SHEET NO.
18
OF
145

CONTRACT NO. 91391

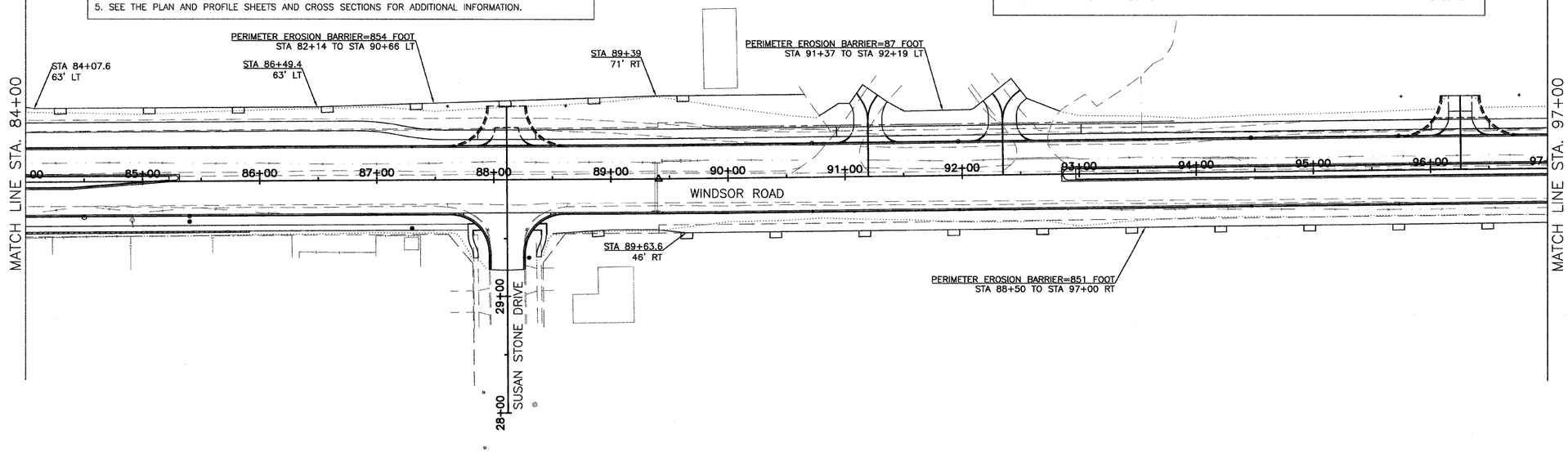


NOTES

1. THE TEMPORARY EROSION CONTROL SYSTEMS SHALL BE INSTALLED AND MAINTAINED BY THE CONTRACTOR AT THE LOCATIONS SHOWN ON THE STORM WATER POLUTION PREVENTION PLAN AND AS DIRECTED BY THE ENGINEER. THE PLACEMENT OF THE TEMPORARY EROSION CONTROL SYSTEMS IS NECESSARY TO SATISFY THE REQUIREMENTS OF THE NPDES PERMIT. THE WORK SHALL BE IN ACCORDANCE WITH THE STANDARD 280001 AND SECTION 280 OF THE STANDARD SPECIFICATIONS.
2. ADDITIONAL TEMPORARY EROSION CONTROL SYSTEMS MAY BE REQUIRED DURING CONSTRUCTION. THE SYSTEMS SHALL BE PLACED AS DIRECTED BY THE ENGINEER AND SHALL BE PAID FOR IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS.
3. 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 EQUAL TO THE PERMANENT SEEDING QUANTITY HAS BEEN ALLOWED FOR THIS PROJECT.
4. PERMANENT SEEDING, FERTILIZING, MULCHING, OR SODDING OF DISTURBED EARTH AREAS SHALL BE DONE AS SOON AS POSSIBLE AFTER COMPLETION OF EACH STAGE OF THE PROJECT TO EXPEDITE THE ESTABLISHMENT OF VEGETATION. SEE THE QUANTITY SCHEDULES FOR THE LOCATIONS OF AREAS TO BE SEEDED, SODDED, OR MULCHED.
5. SEE THE PLAN AND PROFILE SHEETS AND CROSS SECTIONS FOR ADDITIONAL INFORMATION.

EROSION CONTROL SYSTEMS INSTALLATION SEQUENCE

1. REFER TO THE STAGE CONSTRUCTION AND MAINTENANCE OF TRAFFIC PLAN SHEETS FOR THE DETAILED SEQUENCE OF CONSTRUCTION AND STAGING PLAN.
2. PLACE THE PERIMETER EROSION BARRIER PRIOR TO STARTING ANY WORK.
3. INSTALL INLET AND PIPE PROTECTION, INLET FILTERS AND TEMPORARY SEEDING AS SOON AS THE ROUGH GRADING IS COMPLETE OR DRAINAGE STRUCTURES HAVE BEEN CONSTRUCTED.
4. MAINTAIN ALL EROSION CONTROL SYSTEMS UNTIL SUCH TIME THAT THEY CAN BE REMOVED AS DIRECTED BY THE ENGINEER.
5. SEED, FERTILIZE, MULCH, AND PLACE SOD AS SOON AS FINAL GRADING AND SHAPING IS COMPLETE.
6. REMOVE AND CLEANUP ALL REMAINING EROSION CONTROL SYSTEMS AS DIRECTED BY THE ENGINEER.



CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DATED: 1/09
DRAWN BY: JSC
DESIGNED BY: CES
CHECKED BY: GLJ
CITY SECTION
00-00361-00-PV

WINDSOR ROAD IMPROVEMENTS
STORM WATER POLLUTION PREVENTION PLAN
STA 71+00 TO 97+00

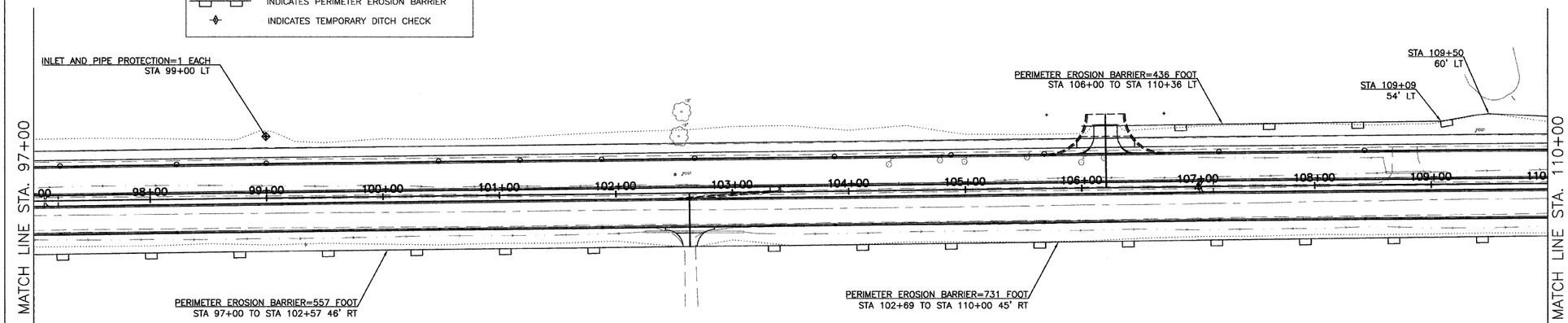
SHEET NO.
19
OF
145

JAN 07 2009 9:30AM SWPPP STA71+70-97+00.DWG

CONTRACT NO. 91391

LEGEND

- INDICATES INLET AND PIPE PROTECTION
- INDICATES PERIMETER EROSION BARRIER
- INDICATES TEMPORARY DITCH CHECK



N

0' 50' 100'
SCALE: 1"=50'

NOTES

1. THE TEMPORARY EROSION CONTROL SYSTEMS SHALL BE INSTALLED AND MAINTAINED BY THE CONTRACTOR AT THE LOCATIONS SHOWN ON THE STORM WATER POLUTION PREVENTION PLAN AND AS DIRECTED BY THE ENGINEER. THE PLACEMENT OF THE TEMPORARY EROSION CONTROL SYSTEMS IS NECESSARY TO SATISFY THE REQUIREMENTS OF THE NPDES PERMIT. THE WORK SHALL BE IN ACCORDANCE WITH THE STANDARD 280001 AND SECTION 280 OF THE STANDARD SPECIFICATIONS.
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4. PERMANENT SEEDING, FERTILIZING, MULCHING, OR SODDING OF DISTURBED EARTH AREAS SHALL BE DONE AS SOON AS POSSIBLE AFTER COMPLETION OF EACH STAGE OF THE PROJECT TO EXPEDITE THE ESTABLISHMENT OF VEGETATION. SEE THE QUANTITY SCHEDULES FOR THE LOCATIONS OF AREAS TO BE SEEDED, SODDED, OR MULCHED.
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EROSION CONTROL SYSTEMS INSTALLATION SEQUENCE

1. REFER TO THE STAGE CONSTRUCTION AND MAINTENANCE OF TRAFFIC PLAN SHEETS FOR THE DETAILED SEQUENCE OF CONSTRUCTION AND STAGING PLAN.
2. PLACE THE PERIMETER EROSION BARRIER PRIOR TO STARTING ANY WORK.
3. INSTALL INLET AND PIPE PROTECTION, INLET FILTERS AND TEMPORARY SEEDING AS SOON AS THE ROUGH GRADING IS COMPLETE OR DRAINAGE STRUCTURES HAVE BEEN CONSTRUCTED.
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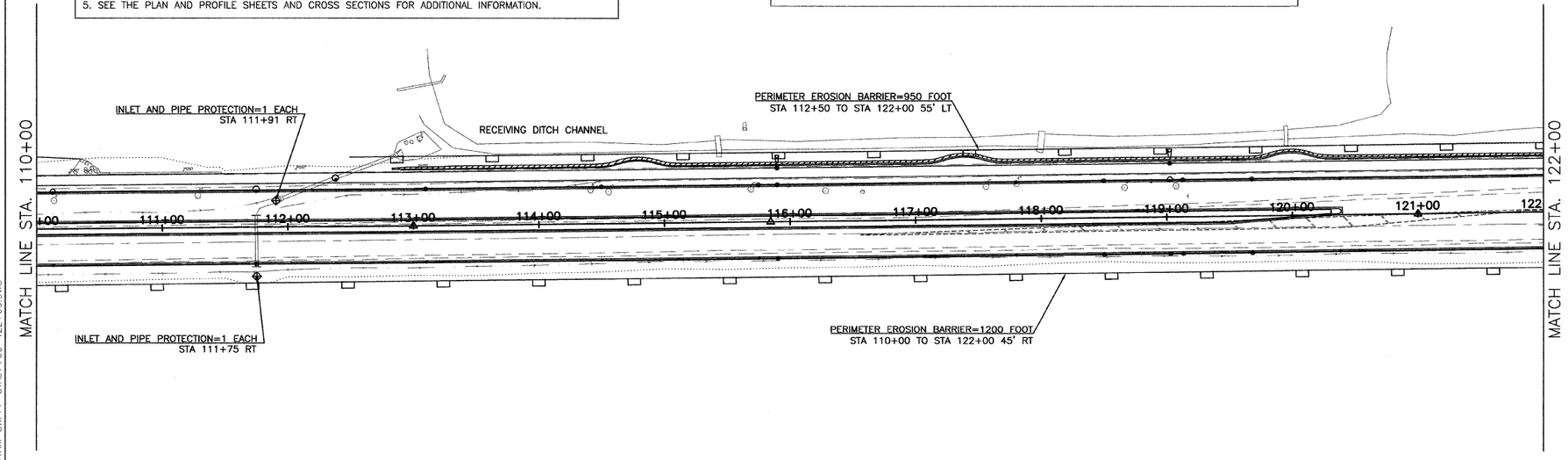
6. REMOVE AND CLEANUP ALL REMAINING EROSION CONTROL SYSTEMS AS DIRECTED BY THE ENGINEER.



CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

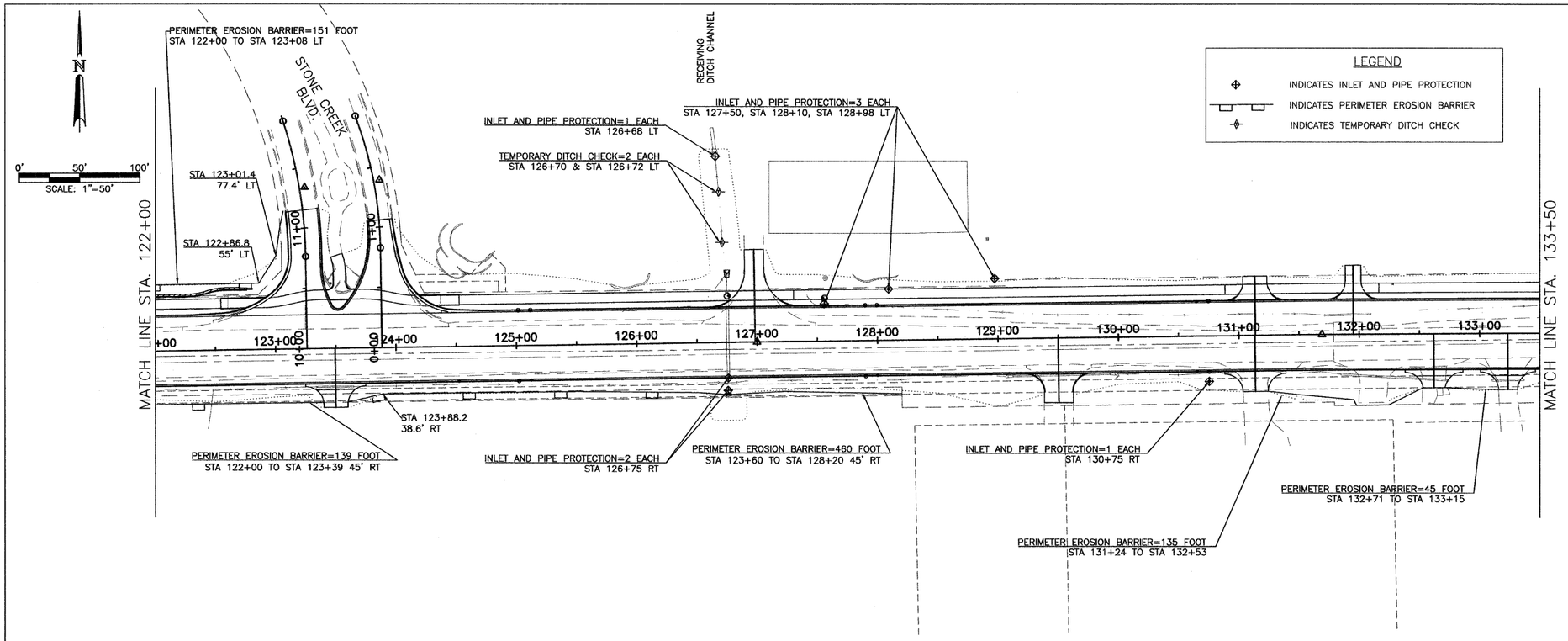
DRAWN BY: JSC
CHECKED BY: GLJ
DESIGNED BY: CES
DATED: 1/09
CITY SECTION
00-00361-00-PV

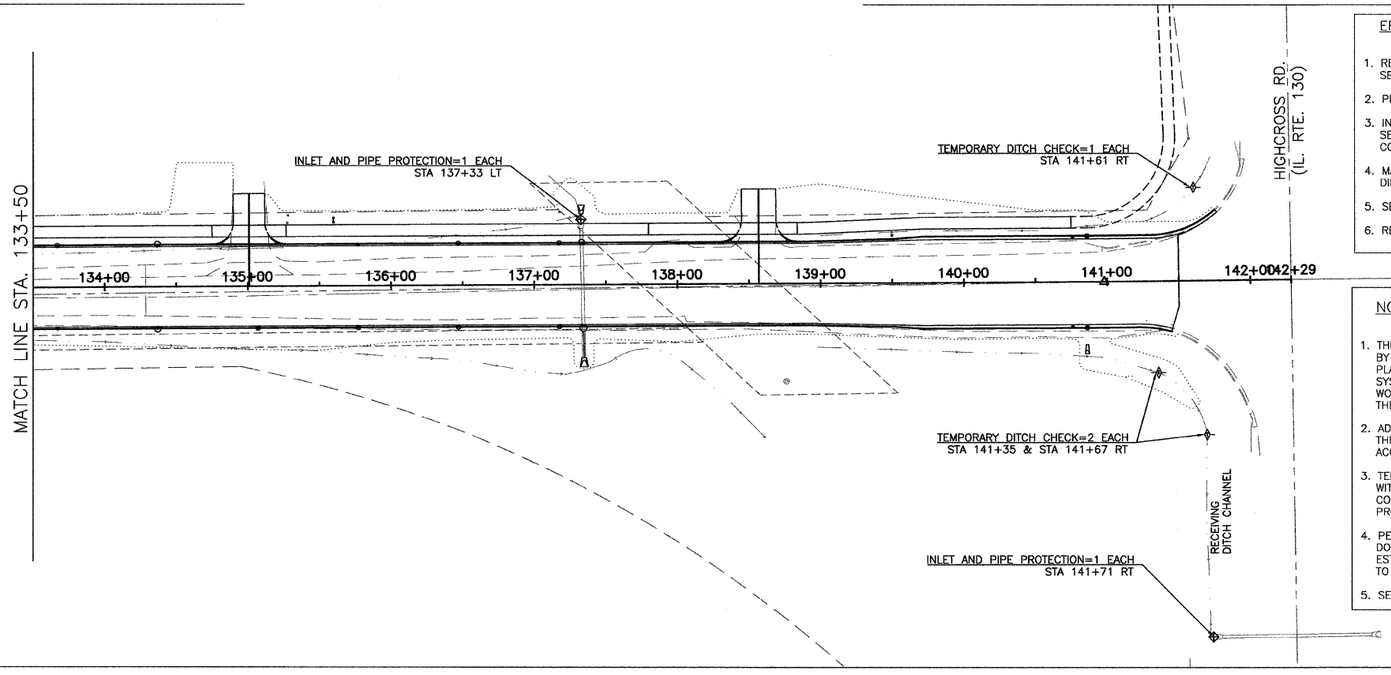
WINDSOR ROAD IMPROVEMENTS
STORM WATER POLLUTION PREVENTION PLAN
STA 97+00 TO 122+00

SHEET NO.
20
OF
145

JAN 07 2009 9:31AM SWPPP STA97+00--122+00.DWG

CONTRACT NO. 91391





EROSION CONTROL SYSTEMS INSTALLATION SEQUENCE

1. REFER TO THE STAGE CONSTRUCTION AND MAINTENANCE OF TRAFFIC PLAN SHEETS FOR THE DETAILED SEQUENCE OF CONSTRUCTION AND STAGING PLAN.
2. PLACE THE PERIMETER EROSION BARRIER PRIOR TO STARTING ANY WORK.
3. INSTALL INLET AND PIPE PROTECTION, INLET FILTERS AND TEMPORARY SEEDING AS SOON AS THE ROUGH GRADING IS COMPLETE OR DRAINAGE STRUCTURES HAVE BEEN CONSTRUCTED.
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5. SEED, FERTILIZE, MULCH, AND PLACE SOD AS SOON AS FINAL GRADING AND SHAPING IS COMPLETE.
6. REMOVE AND CLEANUP ALL REMAINING EROSION CONTROL SYSTEMS AS DIRECTED BY THE ENGINEER.

NOTES

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5. SEE THE PLAN AND PROFILE SHEETS AND CROSS SECTIONS FOR ADDITIONAL INFORMATION.

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

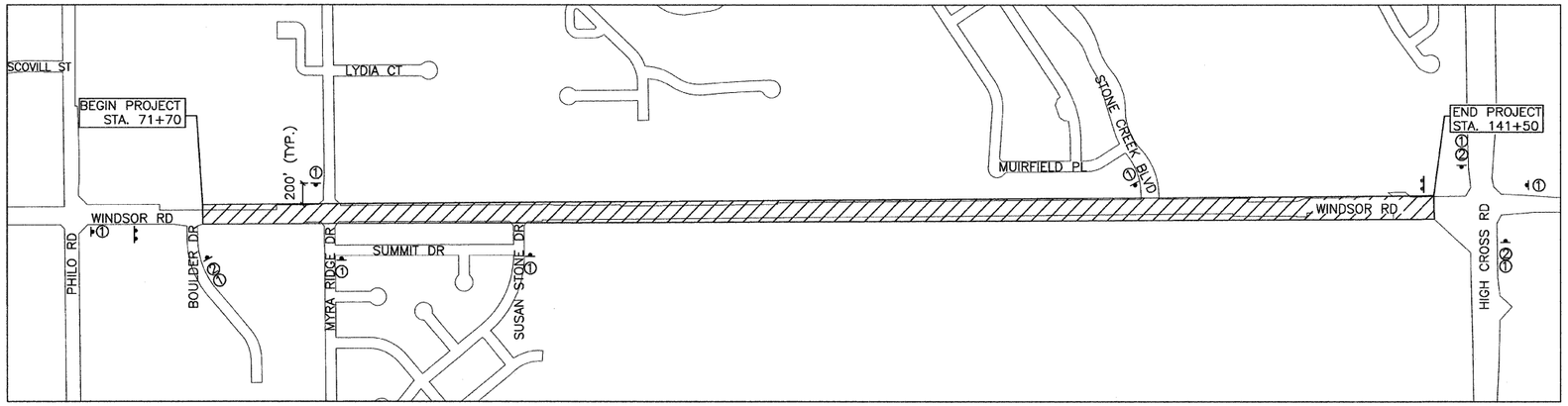
DRAWN BY: JSC
CHECKED BY: GLJ
DATED: 1/09
DESIGNED BY: CES
CITY SECTION
00-00361-00-PV

WINDSOR ROAD IMPROVEMENTS
STORM WATER POLLUTION PREVENTION PLAN
STA 122+00 TO 142+29

SHEET NO.
21
OF
145

JAN 07 2009 9:31AM SWPPP STA 122+00-142+29.DWG

CONTRACT NO. 91391



PROJECT OVERVIEW MAP
NOT TO SCALE

N

LEGEND

- WORK ZONE
- SIGN ON PERMANENT SUPPORT
- CHANGEABLE MESSAGE SIGN

TYPE A MONDIRECTINAL FLASHING LIGHT (TYP. WHERE SHOWN)

ROAD CONSTRUCTION AHEAD

W20-1(0)
①
48"X48"

WINDSOR RD

②
36"X9"

TRAFFIC CONTROL GENERAL NOTES

1. TRAFFIC CONTROL AND PROTECTION AS DETAILED HEREIN WILL BE PAID 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 701006, 701311, 701501, 701606, 701701, 701801, AND 701901.
3. CHANGEABLE MESSAGE SIGNS SHALL BE INSTALLED AND OPERATIONAL FIVE DAYS PRIOR TO THE START OF ROAD CLOSURE TO ALERT THE PUBLIC OF THE UPCOMING START OF CONSTRUCTION. THE CONTRACTOR SHALL INSPECT THE MESSAGE SIGNS BY 8:00 A.M. EACH DAY TO ENSURE THAT THE SIGNS ARE FULLY OPERATIONAL AND IN PROPER WORKING ORDER. THE SIGNS SHALL BE REMOVED AT THE START OF CONSTRUCTION. PAYMENT FOR CHANGEABLE MESSAGE SIGNS AND DAILY INSPECTION OF THE SIGNS SHALL BE INCLUDED IN THE COST OF "TRAFFIC CONTROL COMPLETE" WITH NO ADDITIONAL COMPENSATION ALLOWED.
4. CHANGEABLE MESSAGE SIGNS SHALL BE INSTALLED AND OPERATIONAL ON WINDSOR ROAD AT LEAST THREE DAYS PRIOR TO THE TURN ON OF TRAFFIC SIGNALS, AT THE MYRA RIDGE DRIVE AND WINDSOR ROAD INTERSECTION. THE CONTRACTOR SHALL INSPECT THE MESSAGE SIGNS BY 8:00A.M. EACH DAY TO ENSURE THAT THE SIGNS ARE FULLY OPERATIONAL AND IN PROPER WORKING ORDER. THE SIGNS SHALL BE REMOVED UPON ACTIVATION OF THE TRAFFIC SIGNALS. PAYMENT FOR CHANGEABLE MESSAGE SIGNS AND DAILY INSPECTION OF THE SIGNS SHALL BE INCLUDED IN THE COST OF "TRAFFIC CONTROL COMPLETE" WITH NO ADDITIONAL COMPENSATION ALLOWED.
5. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ANY COMMERCIAL AND PRIVATE ENTRANCES WITHIN THE PROJECT LIMITS. ACCESS SHALL BE MAINTAINED BY CONSTRUCTING ENTRANCES IN HALF WIDTHS OR OTHER MEANS APPROVED BY THE ENGINEER. A QUANTITY OF "AGGREGATE FOR TEMPORARY ACCESS" HAS BEEN INCLUDED IN THE CONTRACT FOR ENTRANCE ACCESS.
6. TRAFFIC CONTROL DEVICES SHALL REMAIN IN PLACE UNTIL ALL SECTIONS OF THE ROADWAY ARE SUBSTANTIALLY COMPLETE. TRAFFIC CONTROL DEVICES SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.
7. PROPER DRAINAGE SHALL BE MAINTAINED AT ALL TIMES WITHIN THE PROJECT LIMITS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THIS WORK AND ANY CONSTRUCTION TECHNIQUES NECESSARY TO ENSURE PROPER DRAINAGE IS MAINTAINED AT ALL TIMES. THE COST OF ALL LABOR, EQUIPMENT AND MATERIALS TO MAINTAIN PROPER DRAINAGE WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE MISCELLANEOUS PAY ITEMS INVOLVED.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TRAFFIC CONTROL SURVEILLANCE FOR THIS PROJECT. THE CONTRACTOR SHALL INSPECT AND MAINTAIN ALL TRAFFIC CONTROL DEVICES AT ALL TIMES INCLUDING NIGHTIME, WEEKENDS, WINTER SHUT-DOWN PERIOD AND ANY TIME WORKERS ARE NOT PRESENT. THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE COST OF ALL LABOR AND MATERIALS FOR THE SURVEILLANCE AND MAINTENANCE OF TRAFFIC CONTROL DEVICES SHALL BE INCLUDED IN THE COST OF "TRAFFIC CONTROL COMPLETE".
9. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED SLIGHTLY TO FIT FIELD CONDITIONS.

TRAFFIC CONTROL STANDARDS

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

STANDARD	APPLICATION
701006	WHERE VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES WILL ENCROACH IN THE AREA 15' TO 2' FROM THE EDGE OF PAVEMENT.
701311	WHERE ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES REQUIRE A CONTINUOUS MOVING OPERATION WHERE THE AVERAGE SPEED IS GREATER THAN 3 MPH.
701501	WHERE AT ANYTIME ANY VEHICLE, EQUIPMENT, WORKER OR THEIR ACTIVITIES ENCROACH ON THE PAVEMENT REQUIRING CLOSURE OF ONE TRAFFIC LANE.
701606	WHERE AT ANYTIME ANY VEHICLE, EQUIPMENT, WORKER OR THEIR ACTIVITIES ENCROACH ON THE PAVEMENT REQUIRING THE CLOSURE OF ONE OR MORE TRAFFIC LANES.
701701	WHERE AT ANYTIME ANY VEHICLE, EQUIPMENT, WORKER OR THEIR ACTIVITIES ENCROACH ON THE PAVEMENT WITHIN THE VICINITY OF AN INTERSECTION.
701801	WHERE AT ANYTIME PEDESTRIAN TRAFFIC MUST BE REROUTED.
701901	ALL TRAFFIC CONTROL DEVICES

JAN 07 2009 5:15PM STAGEMOT 01.DWG

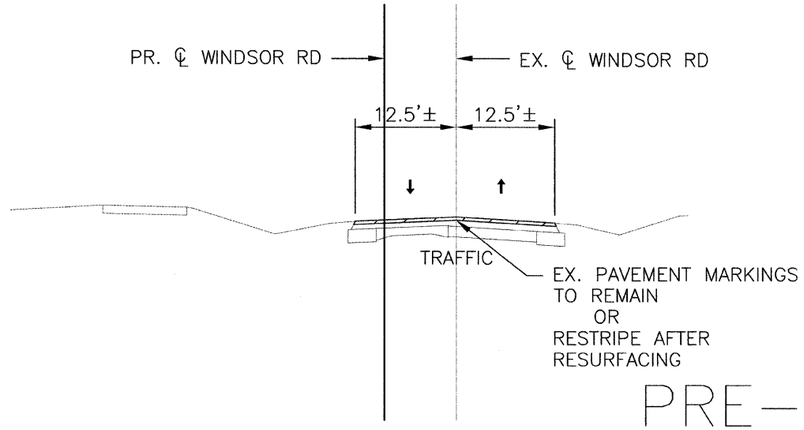
CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DRAWN BY: CES
CHECKED BY: GLJ
DESIGNED BY: CES
DATED: 1/09

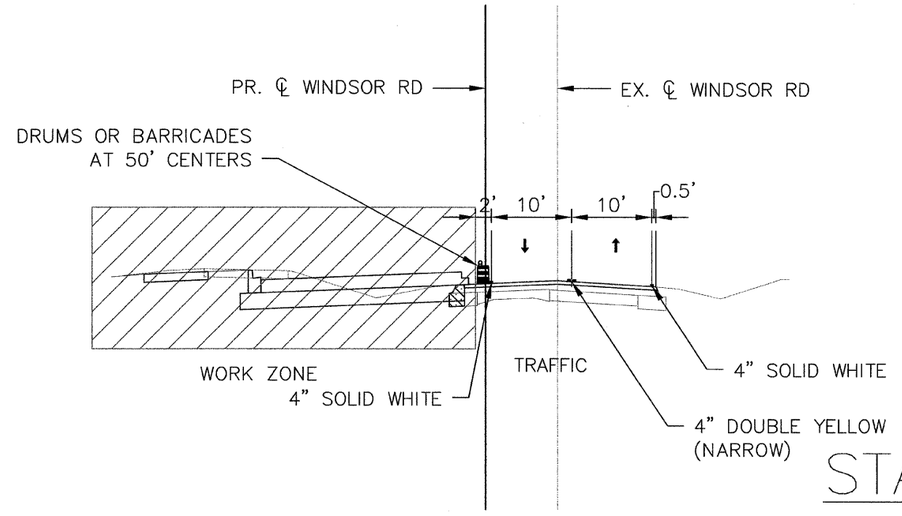
CITY SECTION
00-00361-00-PV

WINDSOR ROAD IMPROVEMENTS
STAGE CONSTRUCTION AND MAINTENANCE OF TRAFFIC PLANS

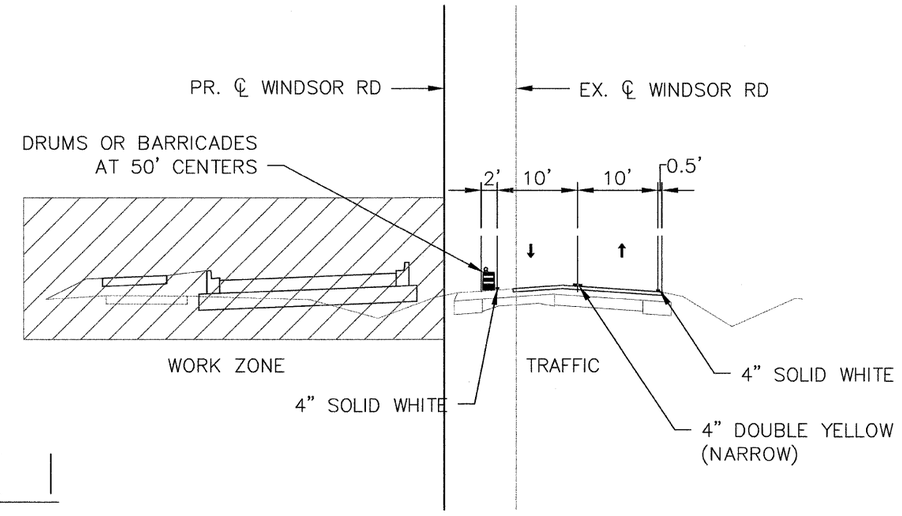
SHEET NO.
22
OF
145



PRE-STAGE I



STAGE I



STAGING NOTES

- THE STAGING SHOWN IS THE SUGGESTED CONSTRUCTION STAGING FOR THIS PROJECT.
- THE PURPOSE OF THIS STAGING IS TO MINIMIZE DELAYS TO THE MOTORISTS AND PROVIDE ORGANIZATION TO PROJECT CONSTRUCTION.
- THE CONTRACTOR MAY ALTER THE SEQUENCE OF CONSTRUCTION WITH THE PRIOR APPROVAL OF THE ENGINEER.
- PRIOR TO THE START OF CONSTRUCTION, REQUIRED TRAFFIC CONTROL DEVICES SHALL BE IN PLACE.
- IT IS THE INTENT THAT WINDSOR ROAD REMAIN OPEN TO TRAFFIC AT ALL TIMES. DURING HOURS OF CONSTRUCTION TRAFFIC MAY BE REDUCED TO ONE LANE WITH TRAFFIC BEING CONTROLLED BY FLAGGERS AS SHOWN ON THE APPLICABLE HIGHWAY STANDARDS. AT OTHER TIMES WHEN CONSTRUCTION IS NOT TAKING PLACE A MINIMUM OF TWO LANES, ONE IN EACH DIRECTION SHALL BE MAINTAINED.
- ACCESS TO ALL SIDE STREETS SHALL BE MAINTAINED AT ALL TIMES UNLESS OTHERWISE NOTED.
- PROPER DRAINAGE SHALL BE MAINTAINED AT ALL TIMES.
- THE TIP OF THE CLASS C PATCHES SHALL NOT EXCEED THE TOP SURFACE ELEVATION OF THE EXISTING PAVEMENT.

PRE-STAGE I

- TEMPORARILY LOCATE CHANGEABLE MESSAGE SIGNS
- INSTALL REQUIRED TRAFFIC CONTROL DEVICES
- MAINTAIN TWO-WAY TRAFFIC (SEE STAGING NOTES)
- INSTALL THE FOLLOWING STORM SEWER SYSTEMS IN PREPARATION FOR STAGE I:

  STRUCTURE NO. 1 TO NO. 47
  STRUCTURE NO. 84 TO NO. 87
  STRUCTURE NO. 116 TO NO. 118
  STRUCTURE NO. 132 TO NO. 134
  STRUCTURE NO. 134 TO NO. 143
  STRUCTURE NO. 147 TO NO. 151

- PERFORM HMA SURFACE REMOVAL, 2½" TO REMOVE EXISTING DELAMINATED TOP SURFACE.
- INSTALL 2½" OF HMA BINDER N90 AT LOCATIONS WHERE HMA SURFACE REMOVAL WAS PREVIOUSLY PERFORMED.
- INSTALL TEMPORARY PAINT PAVEMENT MARKING PER STAGE I TYPICAL SECTIONS AND DETAILS.
- ADJUST TRAFFIC CONTROL DEVICES IN PREPARATION FOR STAGE I.

STAGE I

- MAINTAIN TWO-WAY THRU TRAFFIC (SEE STAGING NOTES).
- CONSTRUCT NORTH SIDE REMAINING STORM SEWER, WIDENING, RETAINING WALLS, CURB & GUTTER, SIDEWALKS, ENTRANCES, GRADING AND LANDSCAPING.
- PLACE HMA BINDER THRU TOP LIFT. PLACE NECESSARY HMA BINDER TO MAINTAIN POSITIVE DRAINAGE. PLACE NECESSARY HMA BINDER TO PROVIDE ACCESS TO SIDE STREETS AND ENTRANCES.
- INSTALL TEMPORARY PAINT MARKING PER STAGE II TYPICAL SECTIONS AND DETAILS.
- ADJUST TRAFFIC CONTROL DEVICES IN PREPARATION FOR STAGE II.

JAN 07 2009 5:16PM STAGEMOT 02.DWG

CONTRACT NO. 91391

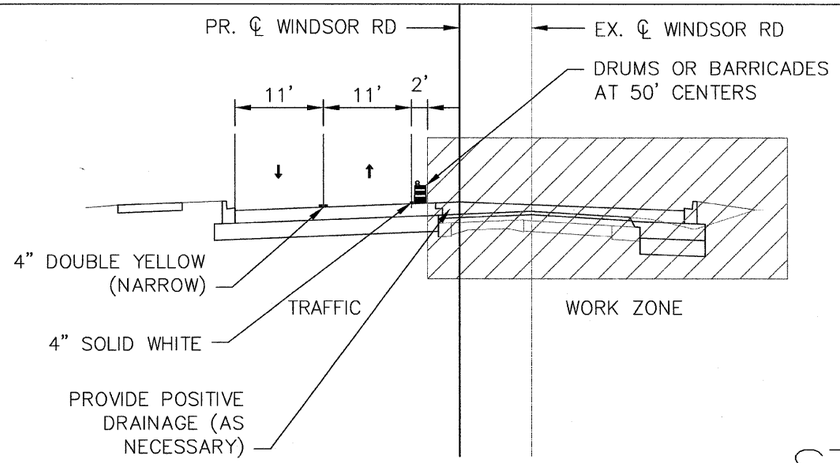
CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

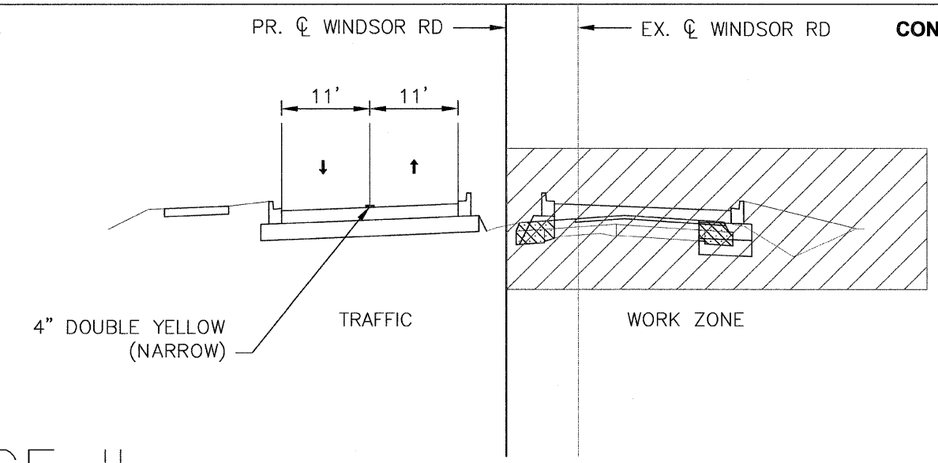
DATED: 1/09
DESIGNED BY: CES
DRAWN BY: CES
CHECKED BY: GLJ
CITY SECTION
00-00361-00-PV

WINDSOR ROAD IMPROVEMENTS
STAGE CONSTRUCTION AND
MAINTENANCE OF TRAFFIC PLANS

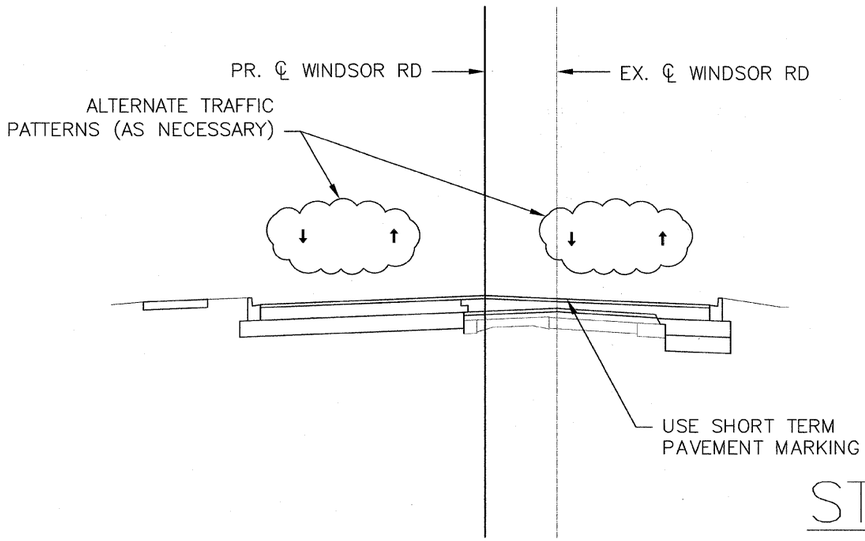
SHEET NO.
23
OF
145

CONTRACT NO. 91391

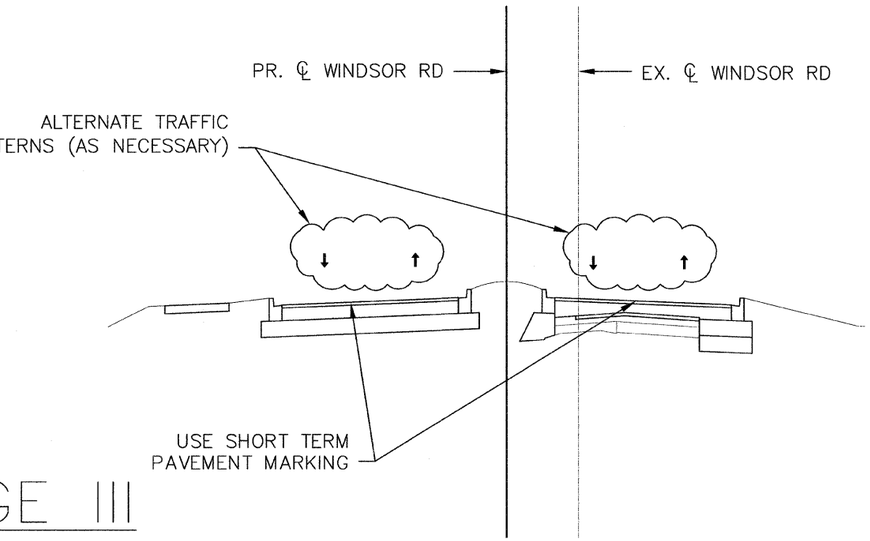




STAGE II



STAGE III



STAGE II

- MAINTAIN TWO-WAY THRU TRAFFIC (SEE STAGING NOTES).
- CONSTRUCT SOUTH SIDE REMAINING STORM SEWER, WIDENING, RETAINING WALLS, CURB & GUTTER, SIDEWALKS, ENTRANCES, GRADING AND LANDSCAPING. LEAVE INSTALLATION OF MEDIAN WEST OF MYRA RIDGE DRIVE UNTIL END OF STAGE II.
- PLACE HMA BINDER THRU TOP LIFT
- IGNORE PROPOSED MEDIAN WEST OF MYRA RIDGE DRIVE AND PLACE HMA BINDER THRU TOP LIFT AT THIS LOCATION. ADDITIONAL HMA BINDER AND UNDERLYING EXISTING PAVEMENT WILL BE REMOVED DURING MEDIAN INSTALLATION.
- ADJUST TRAFFIC CONTROL DEVICES IN PREPARATION FOR MEDIAN CONSTRUCTION WEST OF MYRA RIDGE DRIVE. INTENT IS TO SPLIT TRAFFIC TO ALLOW FOR CONSTRUCTION OF CENTER MEDIAN.
- CONSTRUCT MEDIAN WEST OF MYRA RIDGE DRIVE.
- PLACE SOUTH SIDE HMA SURFACE.
- INSTALL NECESSARY SHORT TERM PAVEMENT MARKING.
- ADJUST TRAFFIC CONTROL DEVICES IN PREPARATION FOR STAGE III.

STAGE III

- MAINTAIN TWO-WAY TRAFFIC (SEE STAGING NOTES).
- PLACE NORTH SIDE HMA SURFACE.
- COMPLETE ANY REMAINING GRADING AND LANDSCAPING.
- INSTALL PERMANENT PAVEMENT MARKING.

JAN 07 2009 5:17PM STAGEMOT 03.DWG

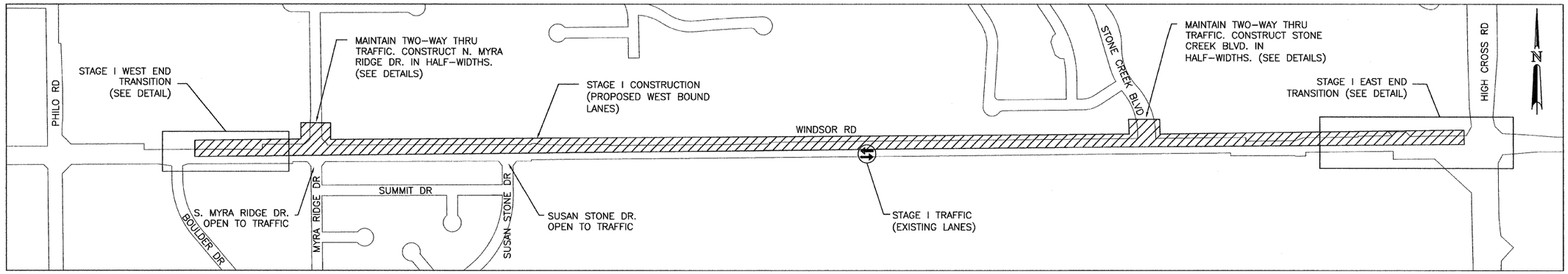
CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DRAWN BY: CES
CHECKED BY: GLJ
DATED: 1/09
DESIGNED BY: CES
CITY SECTION
00-00361-00-PV

WINDSOR ROAD IMPROVEMENTS
STAGE CONSTRUCTION AND
MAINTENANCE OF TRAFFIC PLANS

SHEET NO.
24
OF
145

CONTRACT NO. 91391

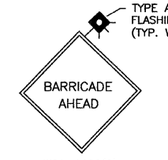


STAGE I OVERVIEW
NOT TO SCALE

LEGEND

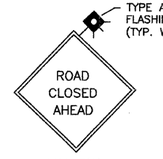
- WORK ZONE
- TRAFFIC FLOW
- (A1) TYPE III BARRICADES WITH TWO (2) TYPE A FLASHING LIGHTS PER BARRICADE AND SIGNED "ROAD CLOSED" PER STANDARD 701901

(3) TYPE A MONDIRECTINAL FLASHING LIGHT (TYP. WHERE SHOWN)

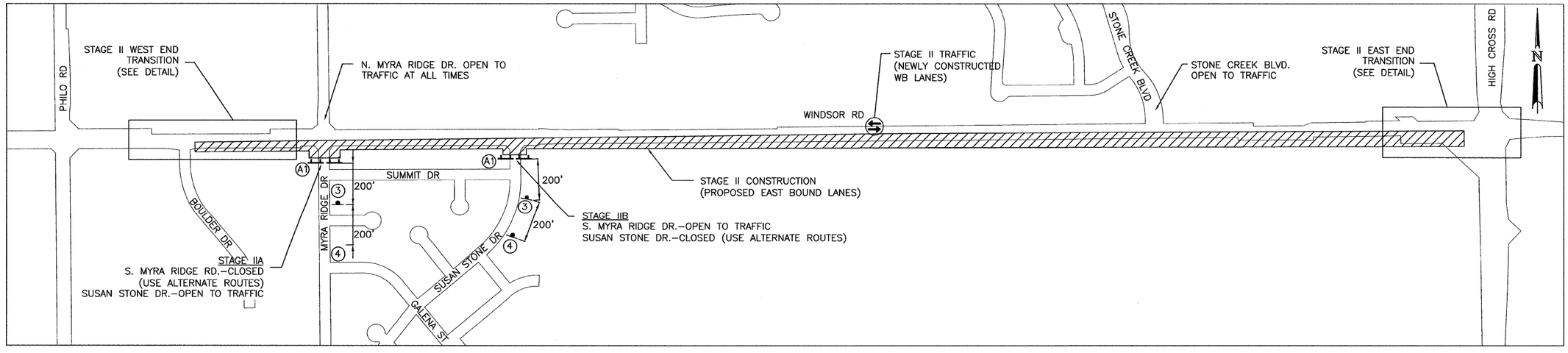


W21-1100(0)
48"X48"

(4) TYPE A MONDIRECTINAL FLASHING LIGHT (TYP. WHERE SHOWN)



W20-3(0)
48"X48"



STAGE II OVERVIEW
NOT TO SCALE

JAN 07 2009 5:18PM STAGEMOT 04.DWG

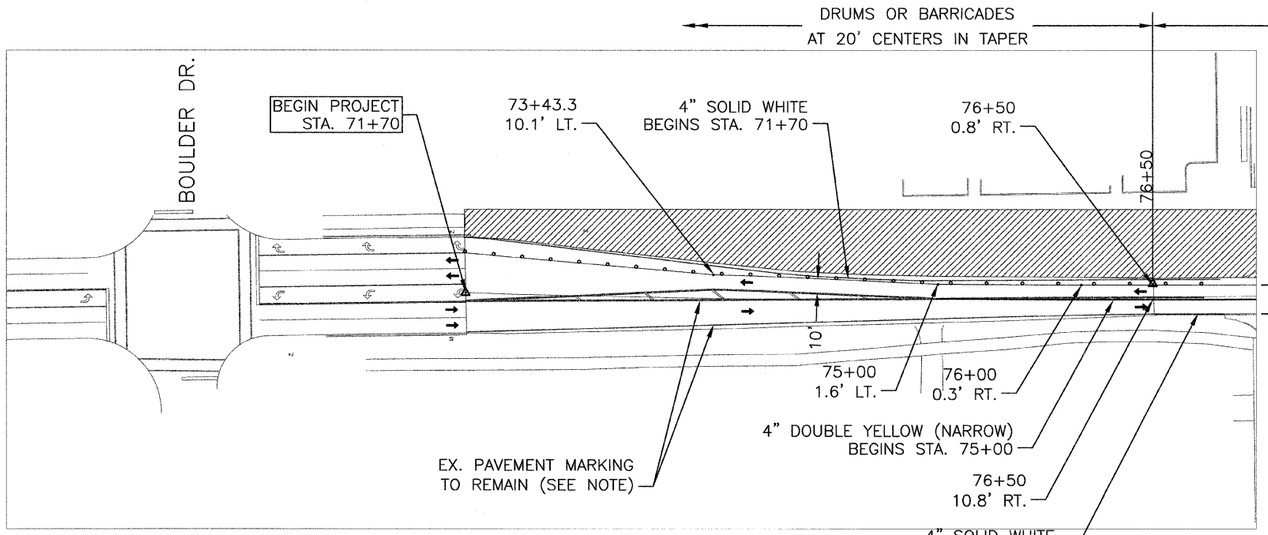
CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DRAWN BY: PLS
CHECKED BY: GLJ
DESIGNED BY: CES
DATED: 1/09
CITY SECTION
00-00361-00-PV

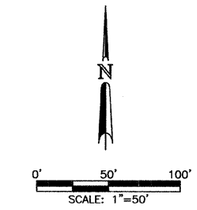
WINDSOR ROAD IMPROVEMENTS
STAGE CONSTRUCTION AND
MAINTENANCE OF TRAFFIC PLANS

SHEET NO.
25
OF
145

CONTRACT NO. 91391



STAGE I WEST END TRANSITION DETAIL

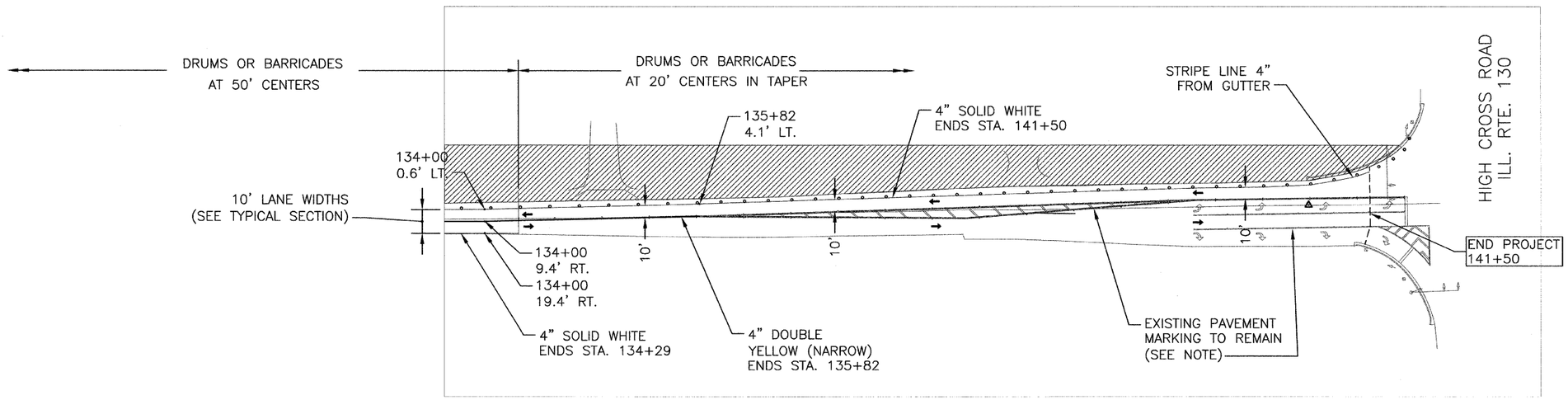


NOTES:

1. EXISTING PAVEMENT MARKING WHICH CONFLICTS WITH THE TEMPORARY PAVEMENT MARKING SHALL BE REMOVED. THIS WORK WILL BE PAID AT THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR "WORK ZONE PAVEMENT MARKING REMOVAL".

LEGEND

- DRUM OR BARRICADE WITH STEADY BURNING LIGHTS
- WORK ZONE
- TRAFFIC FLOW



STAGE I EAST END TRANSITION DETAIL

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DATED: 1/09
DESIGNED BY: CES
DRAWN BY: CES
CHECKED BY: GLJ
CITY SECTION
00-00361-00-PV

WINDSOR ROAD IMPROVEMENTS
STAGE CONSTRUCTION AND
MAINTENANCE OF TRAFFIC PLANS

SHEET NO.
26
OF
145

JAN 07 2009 5:19PM STAGEMOT 05.DWG

CONTRACT NO. 91391

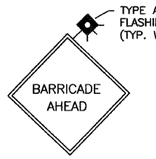
LEGEND

- ○ DRUM OR BARRICADE WITH STEADY BURNING LIGHTS
- WORK ZONE
- TRAFFIC FLOW
- (A1) TYPE III BARRICADE WITH TWO (2) TYPE A FLASHING LIGHTS PER BARRICADE AND SIGNED "ROAD CLOSED" PER STANDARD 701901
- (A2) TYPE III BARRICADE WITH TWO (2) TYPE A FLASHING LIGHTS PER BARRICADE AND SIGNED WITH (7) SIGN

N

0' 50' 100'
SCALE: 1"=50'

(3) TYPE A MONDIRECTINAL FLASHING LIGHT (TYP. WHERE SHOWN)



W21-1100(0)
48"X48"

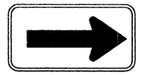
(5)

W1-4L(0)-48

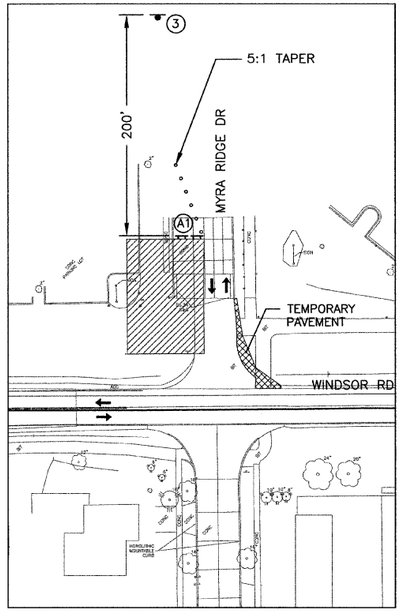
(6)

W1-4R(0)-48

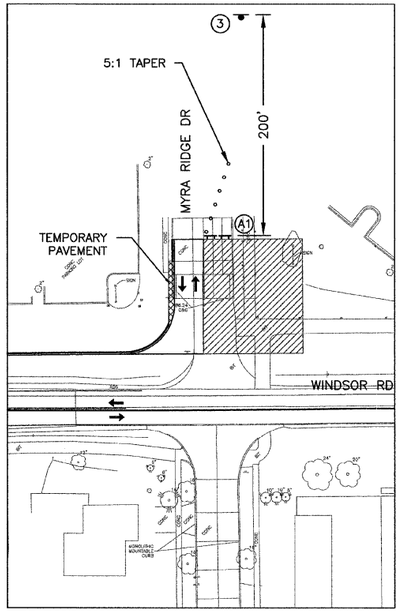
(7)



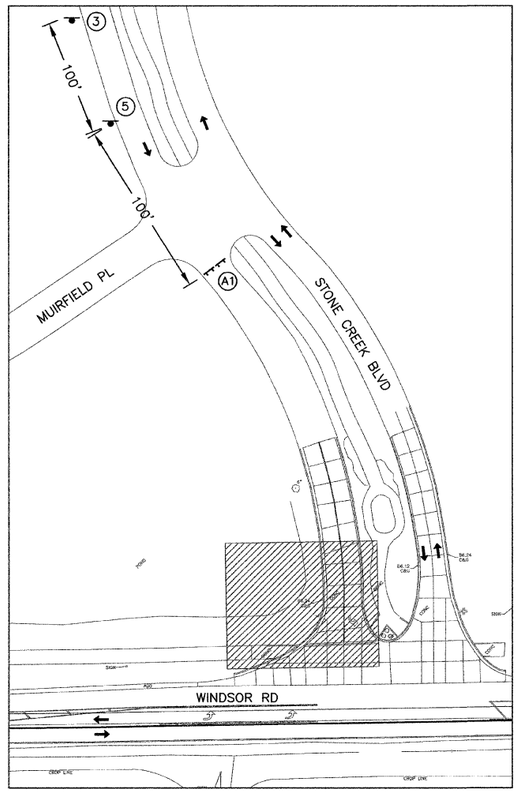
W1-6R(0)-6036



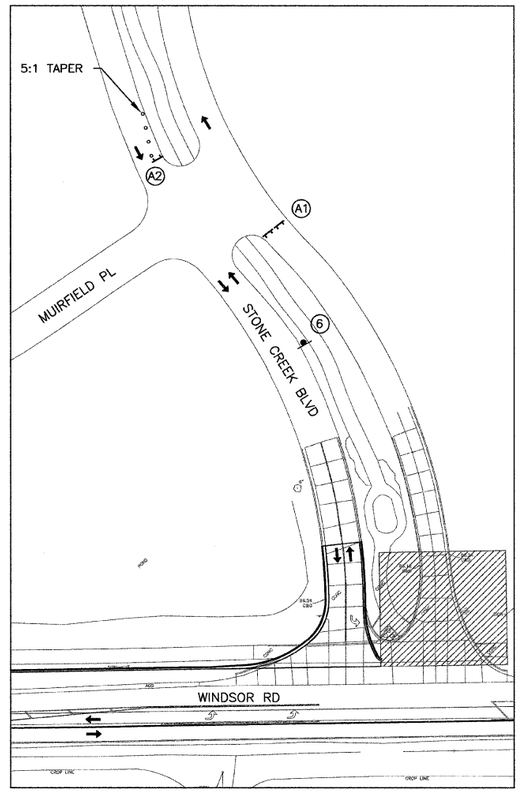
N. MYRA RIDGE DR
STAGE IA



N. MYRA RIDGE DR
STAGE IB



STONE CREEK BLVD
STAGE IA



STONE CREEK BLVD
STAGE IB

JAN. 07 2009 5:19PM STAGEMOT 06.DWG

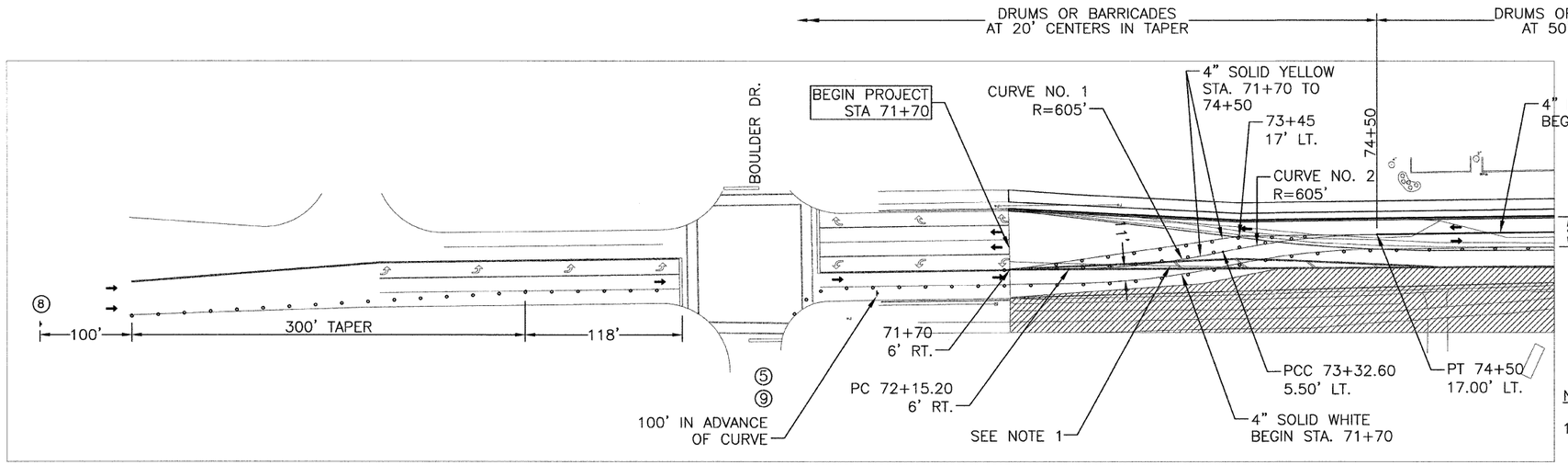
CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DATED: 1/09	DRAWN BY: CES
DESIGNED BY: CES	CHECKED BY: GLJ

CITY SECTION
00-00361-00-PV

WINDSOR ROAD IMPROVEMENTS
STAGE CONSTRUCTION AND
MAINTENANCE OF TRAFFIC PLANS

CONTRACT NO. 91391



STAGE II WEST END TRANSITION DETAIL

NOTES:

1. EXISTING PAVEMENT MARKING AND STAGE I PAVEMENT MARKING WHICH CONFLICTS WITH THE TEMPORARY PAVEMENT MARKING SHALL BE REMOVED. THIS WORK WILL BE PAID AT THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR "WORK ZONE PAVEMENT MARKING REMOVAL".

LEGEND

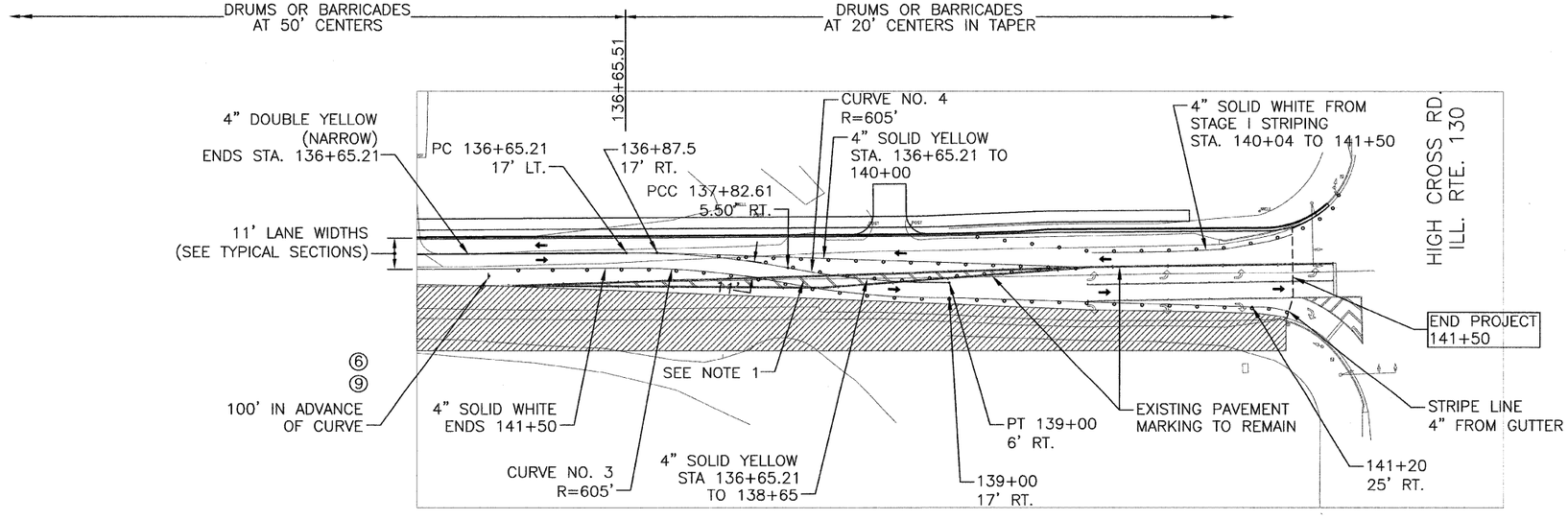
- DRUM OR BARRICADE WITH STEADY BURNING LIGHTS
- WORK ZONE
- TRAFFIC FLOW

5 — W1-4L(0)-48

6 — W1-4R(0)-48

8 — W4-2R(0)-48

9 — 35 MPH — W13-1(0)-2424



STAGE II EAST END TRANSITION DETAIL

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

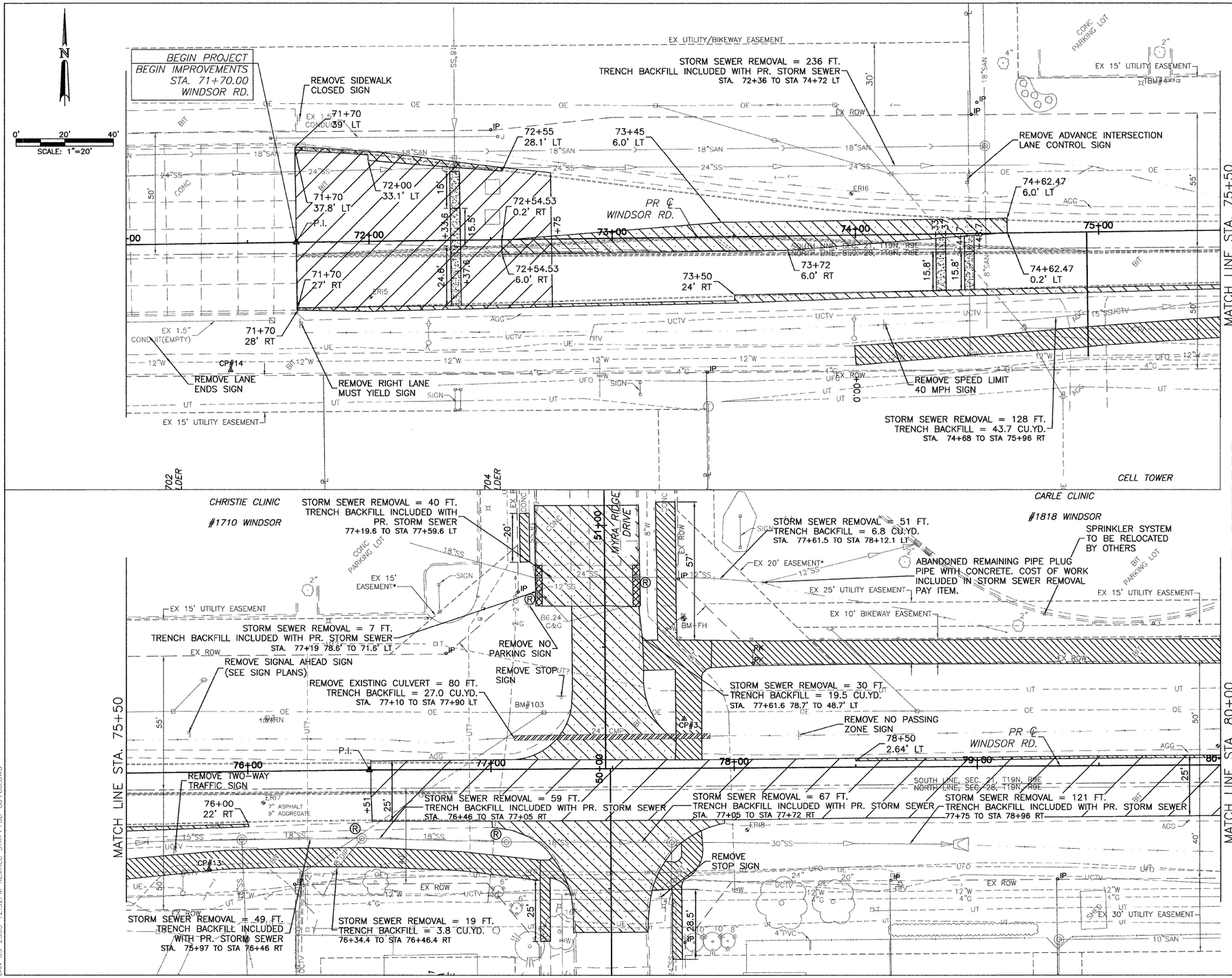
DRAWN BY: CES
CHECKED BY: GLJ
DATED: 1/09
DESIGNED BY: CES
CITY SECTION
00-00361-00-PV

WINDSOR ROAD IMPROVEMENTS
STAGE CONSTRUCTION AND
MAINTENANCE OF TRAFFIC PLANS

SHEET NO.
28
OF
145

JAN 07 2009 5:20PM STAGEMOT 07A.DWG

CONTRACT NO. 91391



LEGEND

- ® STRUCTURE TO BE REMOVED
- DRIVEWAY PAVEMENT REMOVAL
- PAVEMENT REMOVAL
- CLASS C PAVEMENT PATCHES
- SIDEWALK REMOVAL
- CULVERT REMOVAL
- COMB. CURB & GUTTER REMOVAL
- HMA SURFACE REMOVAL, VARIABLE DEPTH
- HMA SURFACE REMOVAL, 2 1/2" DEPTH
- × TREE REMOVAL

ALL VARIOUS SIGNS WHICH INTERFERE WITH CONSTRUCTION OPERATIONS SHALL BE REMOVED AND RELOCATED AS DIRECTED BY THE ENGINEER. SEE SPECIAL PROVISIONS.

SEE PLAN AND PROFILE SHEETS AND DRAINAGE STRUCTURE SCHEDULES FOR STRUCTURE REMOVAL INFORMATION.

SEE INTERSECTION DETAIL SHEETS FOR THE REMOVAL LIMITS.

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DRAWN BY: AJS
CHECKED BY: GLJ
DESIGNED BY: CES
DATED: 1/09

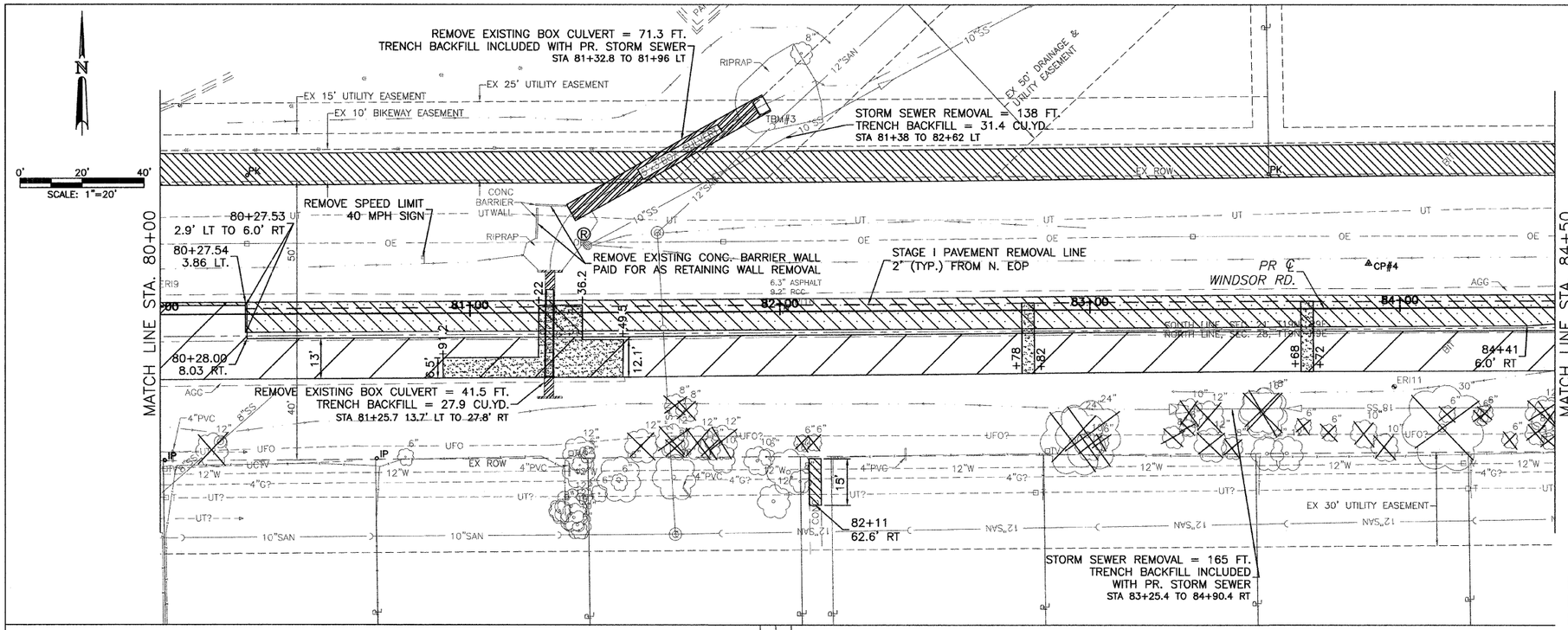
CITY SECTION
00-00361-00-PV

WINDSOR ROAD IMPROVEMENTS
REMOVALS & RELOCATIONS PLANS
STA 71+00 TO STA 80+00

SHEET NO.
29
OF
145

JAN 09, 2009 12:52PM REMREC STA71+00-80+00.DWG

CONTRACT NO. 91391



LEGEND

- ® STRUCTURE TO BE REMOVED
- DRIVEWAY PAVEMENT REMOVAL
- PAVEMENT REMOVAL
- CLASS C PAVEMENT PATCHES
- SIDEWALK REMOVAL
- CULVERT REMOVAL
- COMB. CURB & GUTTER REMOVAL
- HMA SURFACE REMOVAL, VARIABLE DEPTH
- HMA SURFACE REMOVAL, 2 1/2" DEPTH
- × TREE REMOVAL

ALL VARIOUS SIGNS WHICH INTERFERE WITH CONSTRUCTION OPERATIONS SHALL BE REMOVED AND RELOCATED AS DIRECTED BY THE ENGINEER. SEE SPECIAL PROVISIONS.

SEE PLAN AND PROFILE SHEETS AND DRAINAGE STRUCTURE SCHEDULES FOR STRUCTURE REMOVAL INFORMATION.

SEE INTERSECTION DETAIL SHEETS FOR THE REMOVAL LIMITS.

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

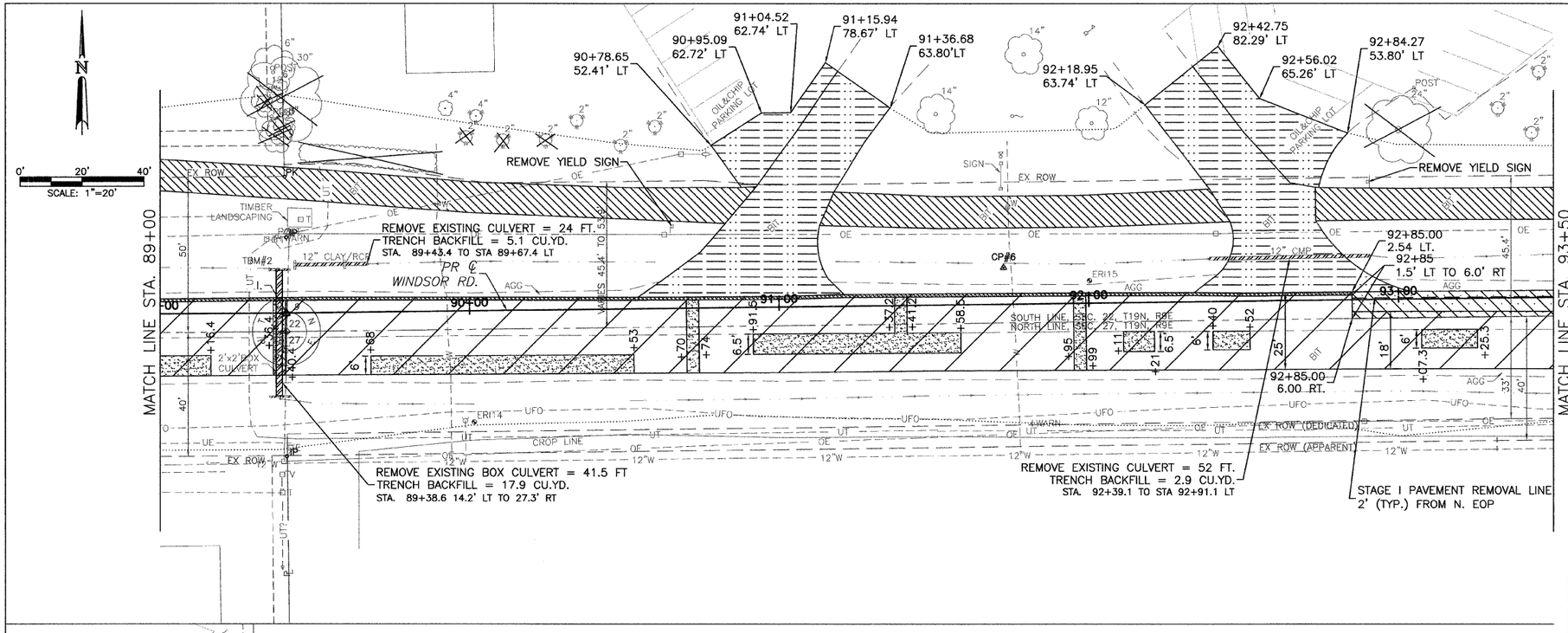
DATED: 1/09
DESIGNED BY: CES
DRAWN BY: AJS
CHECKED BY: GLJ
CITY SECTION
00-00361-00-PV

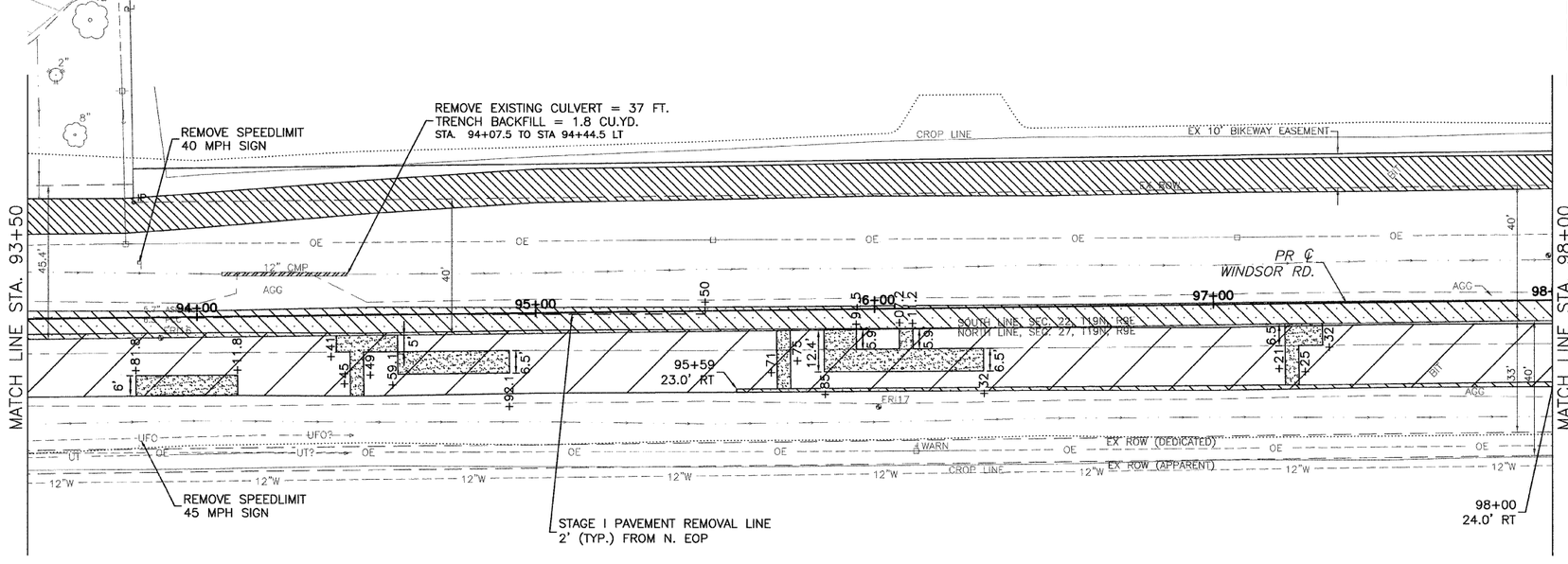
WINDSOR ROAD IMPROVEMENTS
REMOVALS & RELOCATIONS PLANS
STA 80+00 TO STA 89+00

SHEET NO. 30 OF 145

MAR 19 2009 3:50PM REMREC STA80+00-89+00.DWG

CONTRACT NO. 91391





LEGEND

- ® STRUCTURE TO BE REMOVED
- DRIVEWAY PAVEMENT REMOVAL
- PAVEMENT REMOVAL
- CLASS C PAVEMENT PATCHES
- SIDEWALK REMOVAL
- CULVERT REMOVAL
- COMB. CURB & GUTTER REMOVAL
- HMA SURFACE REMOVAL, VARIABLE DEPTH
- HMA SURFACE REMOVAL, 2 1/2" DEPTH
- × TREE REMOVAL

ALL VARIOUS SIGNS WHICH INTERFERE WITH CONSTRUCTION OPERATIONS SHALL BE REMOVED AND RELOCATED AS DIRECTED BY THE ENGINEER. SEE SPECIAL PROVISIONS.

SEE PLAN AND PROFILE SHEETS AND DRAINAGE STRUCTURE SCHEDULES FOR STRUCTURE REMOVAL INFORMATION.

SEE INTERSECTION DETAIL SHEETS FOR THE REMOVAL LIMITS.

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

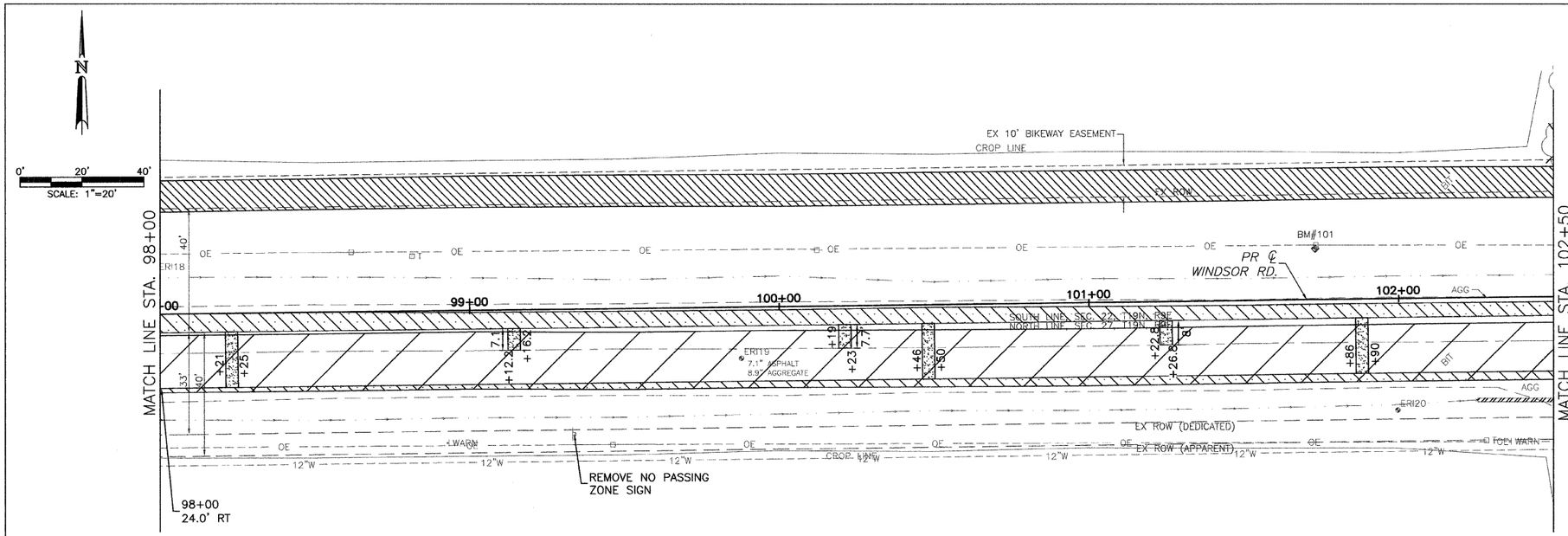
DATED: 1/09
DESIGNED BY: CES
DRAWN BY: AJS
CHECKED BY: GLJ
CITY SECTION
00-00361-00-PV

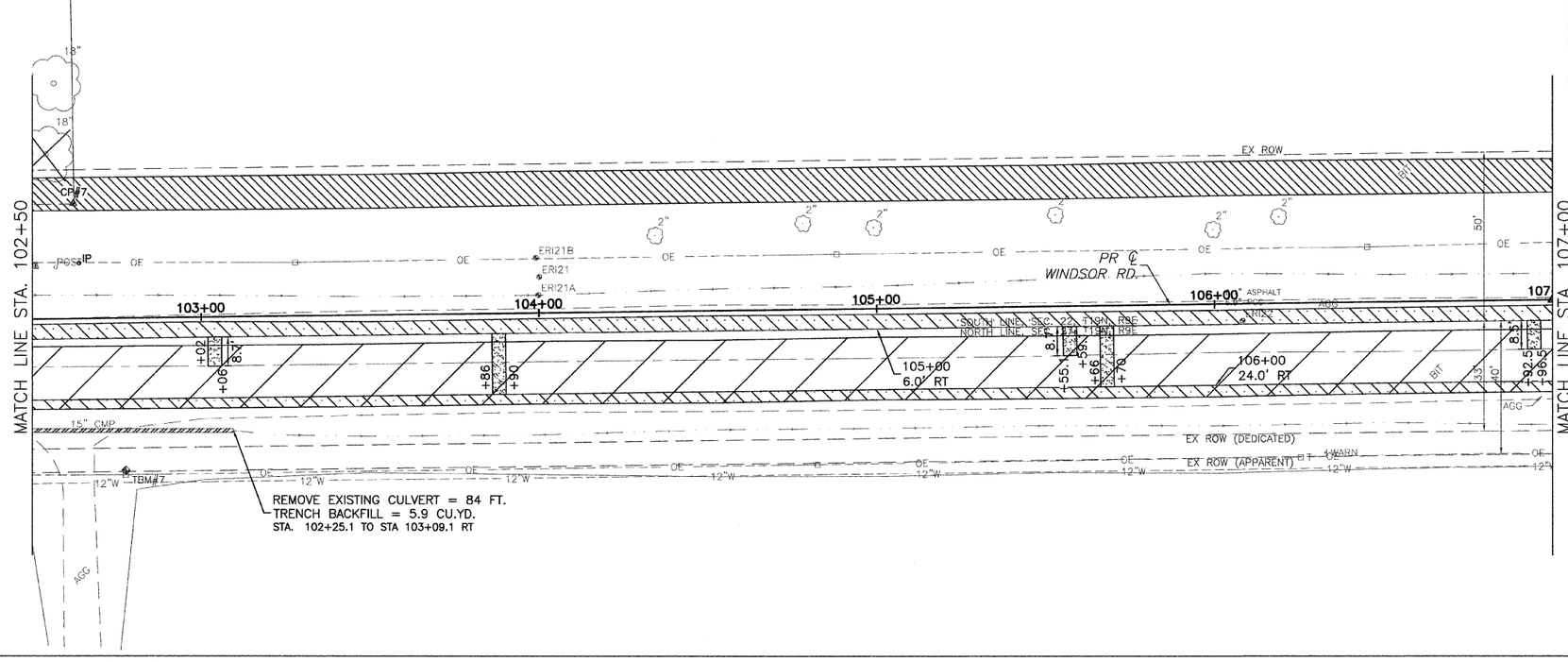
WINDSOR ROAD IMPROVEMENTS
REMOVALS & RELOCATIONS PLANS
STA 89+00 TO STA 98+00

SHEET NO.
31
OF
145

JAN 09 2009 12:55PM REMREC STA89+00-98+00.DWG

CONTRACT NO. 91391





LEGEND

- ® STRUCTURE TO BE REMOVED
- DRIVEWAY PAVEMENT REMOVAL
- PAVEMENT REMOVAL
- CLASS C PAVEMENT PATCHES
- SIDEWALK REMOVAL
- CULVERT REMOVAL
- COMB. CURB & GUTTER REMOVAL
- HMA SURFACE REMOVAL, VARIABLE DEPTH
- HMA SURFACE REMOVAL, 2 1/2" DEPTH
- TREE REMOVAL

ALL VARIOUS SIGNS WHICH INTERFERE WITH CONSTRUCTION OPERATIONS SHALL BE REMOVED AND RELOCATED AS DIRECTED BY THE ENGINEER. SEE SPECIAL PROVISIONS.

SEE PLAN AND PROFILE SHEETS AND DRAINAGE STRUCTURE SCHEDULES FOR STRUCTURE REMOVAL INFORMATION.

SEE INTERSECTION DETAIL SHEETS FOR THE REMOVAL LIMITS.

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

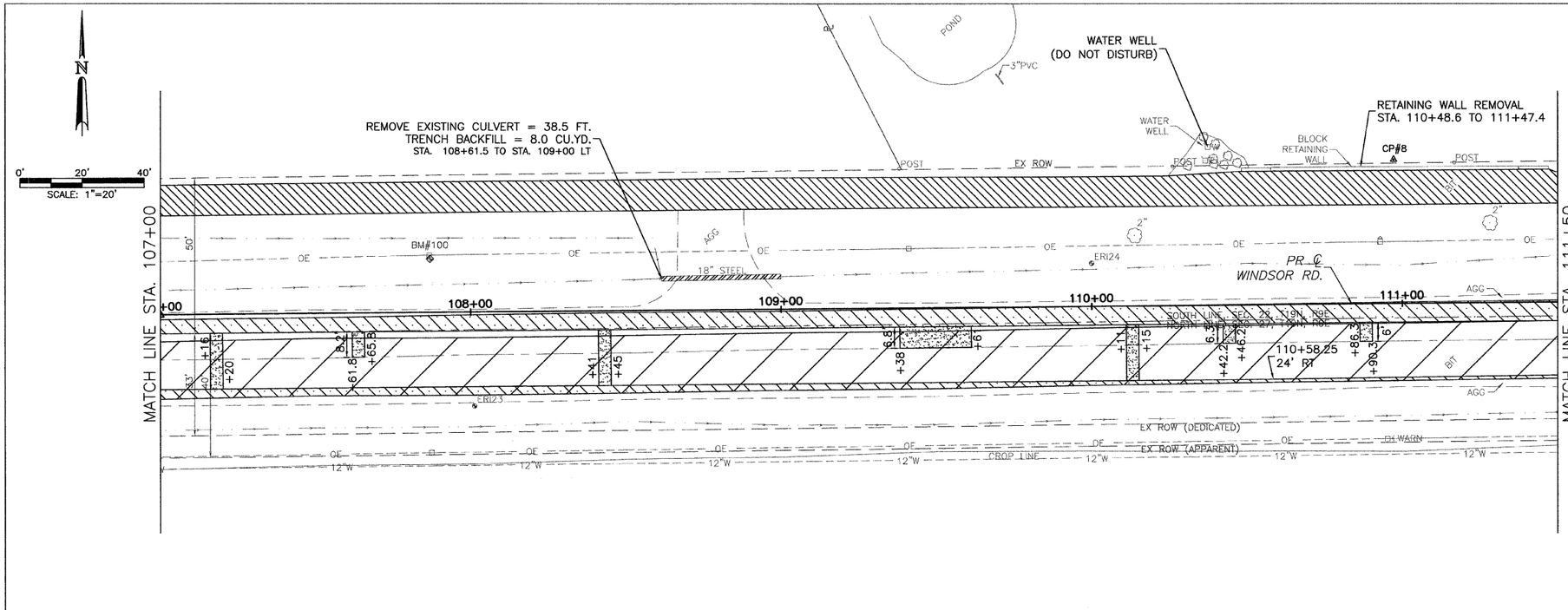
DATED: 1/09
DESIGNED BY: CES
DRAWN BY: AJS
CHECKED BY: GLJ
CITY SECTION
00-00361-00-PV

WINDSOR ROAD IMPROVEMENTS
REMOVALS & RELOCATIONS PLANS
STA 98+00 TO STA 107+00

SHEET NO.
32
OF
145

JAN 09 2009 12:56PM REMPREC STA98+00-107+00.DWG

CONTRACT NO. 91391



EX UNDERGROUND TELEPHONE NOT SHOWN FROM STA. 94+00 TO STA. 114+00

LEGEND

- ® STRUCTURE TO BE REMOVED
- DRIVEWAY PAVEMENT REMOVAL
- PAVEMENT REMOVAL
- CLASS C PAVEMENT PATCHES
- SIDEWALK REMOVAL
- CULVERT REMOVAL
- COMB. CURB & GUTTER REMOVAL
- HMA SURFACE REMOVAL, VARIABLE DEPTH
- HMA SURFACE REMOVAL, 2 1/2" DEPTH
- X TREE REMOVAL

ALL VARIOUS SIGNS WHICH INTERFERE WITH CONSTRUCTION OPERATIONS SHALL BE REMOVED AND RELOCATED AS DIRECTED BY THE ENGINEER. SEE SPECIAL PROVISIONS.

SEE PLAN AND PROFILE SHEETS AND DRAINAGE STRUCTURE SCHEDULES FOR STRUCTURE REMOVAL INFORMATION.

SEE INTERSECTION DETAIL SHEETS FOR THE REMOVAL LIMITS.

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DATED: 1/09 | DRAWN BY: AJS
DESIGNED BY: CES | CHECKED BY: GLJ

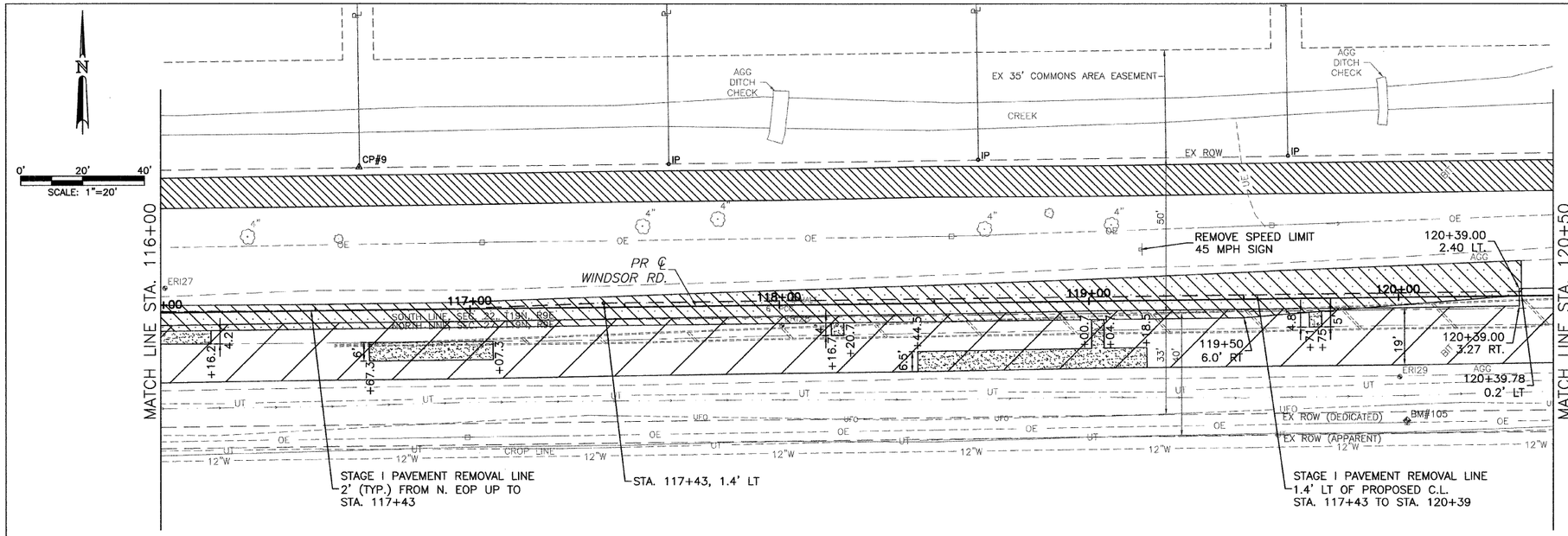
CITY SECTION
00-00361-00-PV

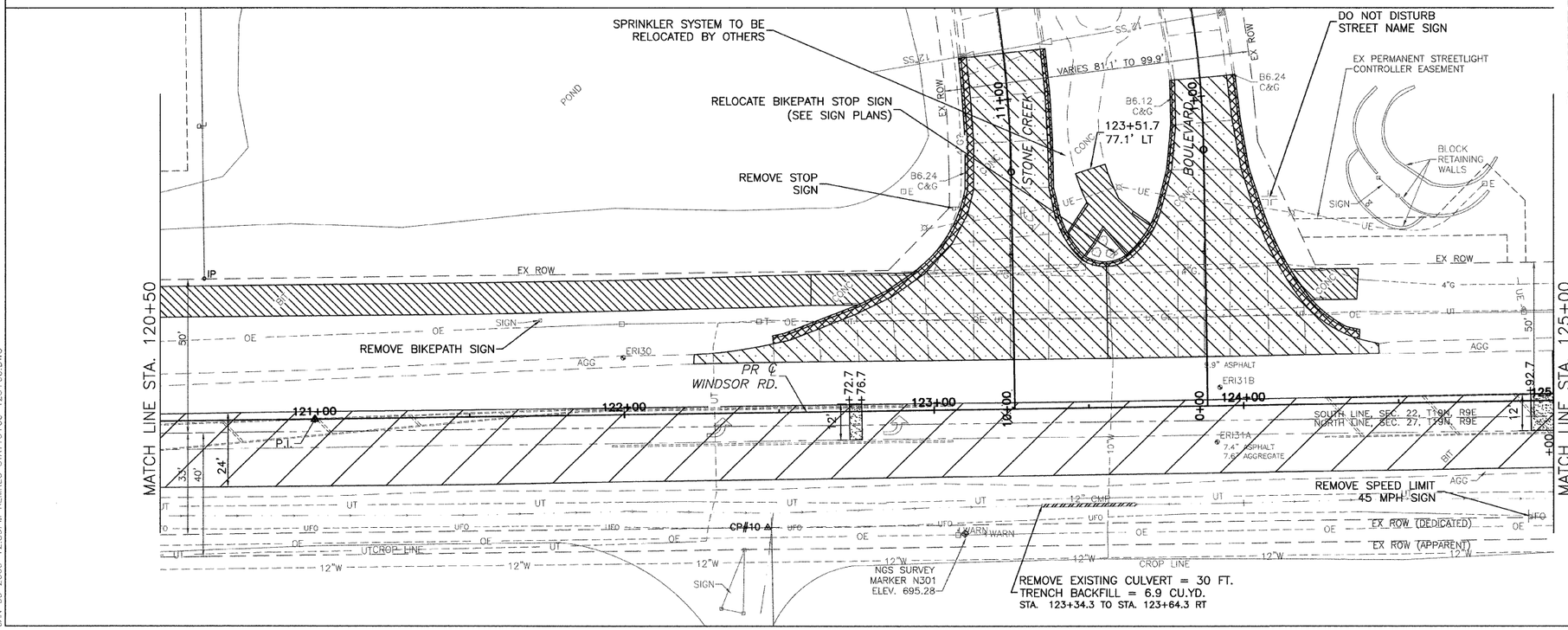
WINDSOR ROAD IMPROVEMENTS
REMOVALS & RELOCATIONS PLANS
STA 107+00 TO STA 116+00

SHEET NO.
33
OF
145

JAN 09 2009 12:57PM REMREC STA107+00-116+00.DWG

CONTRACT NO. 91391





LEGEND

- ® STRUCTURE TO BE REMOVED
- DRIVEWAY PAVEMENT REMOVAL
- PAVEMENT REMOVAL
- CLASS C PAVEMENT PATCHES
- SIDEWALK REMOVAL
- CULVERT REMOVAL
- COMB. CURB & GUTTER REMOVAL
- HMA SURFACE REMOVAL, VARIABLE DEPTH
- HMA SURFACE REMOVAL, 2 1/2" DEPTH
- X TREE REMOVAL

ALL VARIOUS SIGNS WHICH INTERFERE WITH CONSTRUCTION OPERATIONS SHALL BE REMOVED AND RELOCATED AS DIRECTED BY THE ENGINEER. SEE SPECIAL PROVISIONS.

SEE PLAN AND PROFILE SHEETS AND DRAINAGE STRUCTURE SCHEDULES FOR STRUCTURE REMOVAL INFORMATION.

SEE INTERSECTION DETAIL SHEETS FOR THE REMOVAL LIMITS.

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DATED: 1/09 | DESIGNED BY: CES | DRAWN BY: AJS | CHECKED BY: GLJ

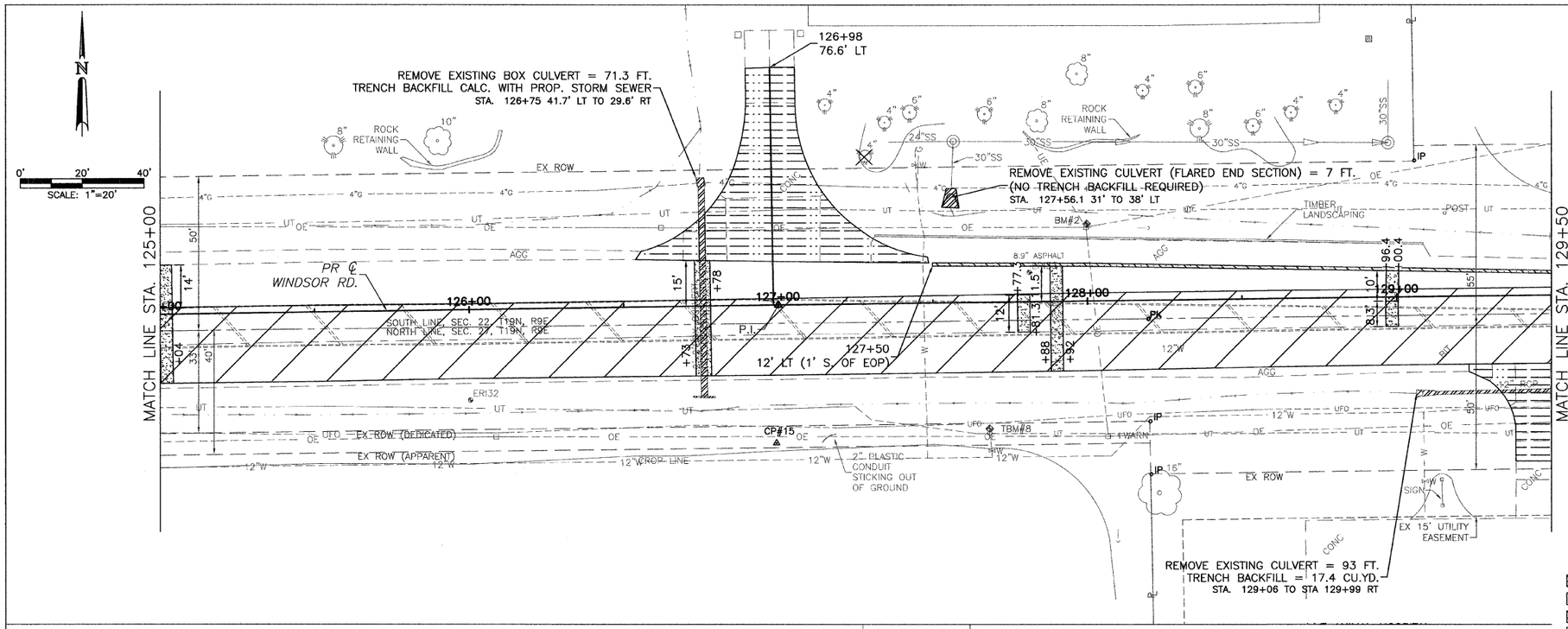
CITY SECTION
00-00361-00-PV

WINDSOR ROAD IMPROVEMENTS
REMOVALS & RELOCATIONS PLANS
STA 116+00 TO STA 125+00

SHEET NO. 34 OF 145

JAN 09 2009 12:59PM REMREC STA116+00-125+00.DWG

CONTRACT NO. 91391



LEGEND

- ® STRUCTURE TO BE REMOVED
- DRIVEWAY PAVEMENT REMOVAL
- PAVEMENT REMOVAL
- CLASS C PAVEMENT PATCHES
- SIDEWALK REMOVAL
- CULVERT REMOVAL
- COMB. CURB & GUTTER REMOVAL
- HMA SURFACE REMOVAL, VARIABLE DEPTH
- HMA SURFACE REMOVAL, 2 1/2" DEPTH
- × TREE REMOVAL

ALL VARIOUS SIGNS WHICH INTERFERE WITH CONSTRUCTION OPERATIONS SHALL BE REMOVED AND RELOCATED AS DIRECTED BY THE ENGINEER. SEE SPECIAL PROVISIONS.

SEE PLAN AND PROFILE SHEETS AND DRAINAGE STRUCTURE SCHEDULES FOR STRUCTURE REMOVAL INFORMATION.

SEE INTERSECTION DETAIL SHEETS FOR THE REMOVAL LIMITS.

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

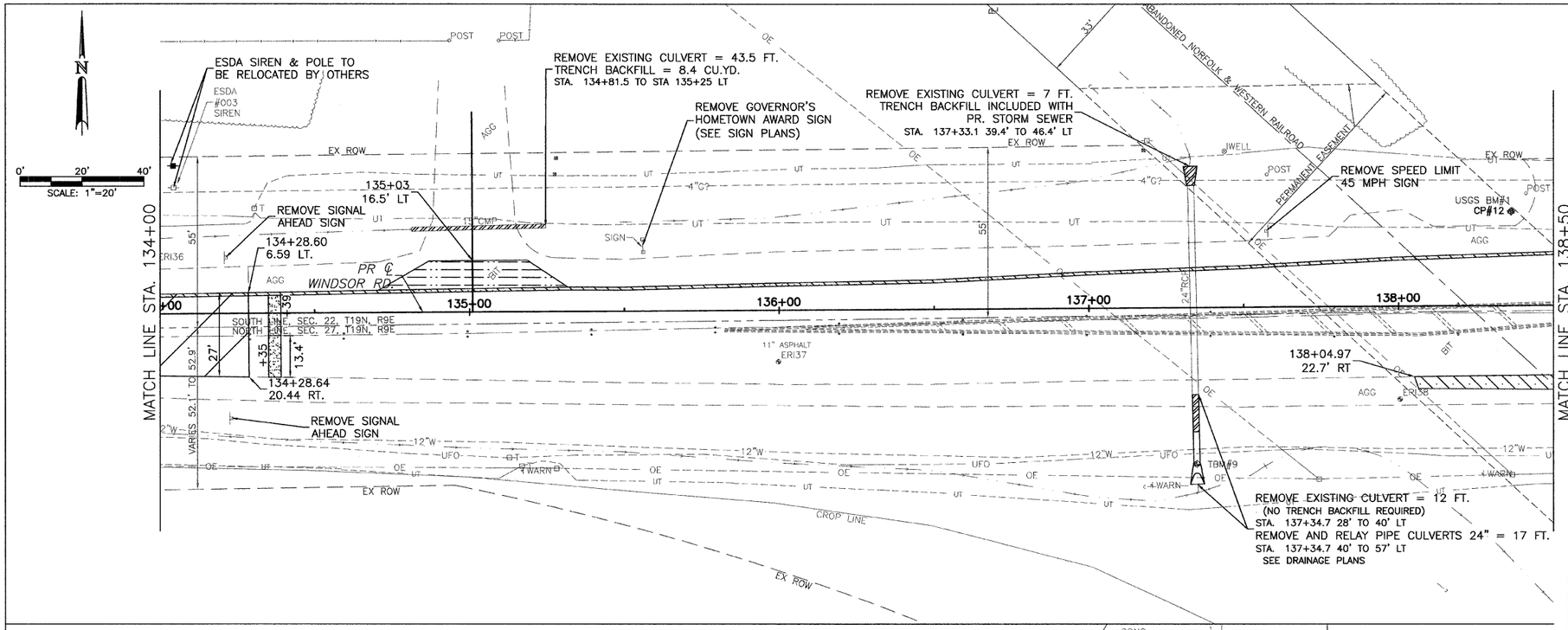
DRAWN BY: AJS
CHECKED BY: GLJ
DATED: 1/09
DESIGNED BY: CES
CITY SECTION
00-00361-00-PV

WINDSOR ROAD IMPROVEMENTS
REMOVALS & RELOCATIONS PLANS
STA 125+00 TO STA 134+00

SHEET NO.
35
OF
145

JAN 09, 2009 1:00PM REMREC STA125+00-134+00.DWG

CONTRACT NO. 91391



LEGEND

- ® STRUCTURE TO BE REMOVED
- DRIVEWAY PAVEMENT REMOVAL
- PAVEMENT REMOVAL
- CLASS C PAVEMENT PATCHES
- SIDEWALK REMOVAL
- CULVERT REMOVAL
- COMB. CURB & GUTTER REMOVAL
- HMA SURFACE REMOVAL, VARIABLE DEPTH
- HMA SURFACE REMOVAL, 2 1/2" DEPTH
- × TREE REMOVAL

ALL VARIOUS SIGNS WHICH INTERFERE WITH CONSTRUCTION OPERATIONS SHALL BE REMOVED AND RELOCATED AS DIRECTED BY THE ENGINEER. SEE SPECIAL PROVISIONS.

SEE PLAN AND PROFILE SHEETS AND DRAINAGE STRUCTURE SCHEDULES FOR STRUCTURE REMOVAL INFORMATION.

SEE INTERSECTION DETAIL SHEETS FOR THE REMOVAL LIMITS.

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DRAWN BY: AJS
CHECKED BY: GLJ
DESIGNED BY: CES
DATED: 1/09

CITY SECTION
00-00361-00-PV

WINDSOR ROAD IMPROVEMENTS
REMOVALS & RELOCATIONS PLANS
STA 134+00 TO STA 142+29

SHEET NO.
36
OF
145

JAN 09 2009 1:02PM REMREC STA134+00--142+29.DWG

CONTRACT NO. 91391

SE 1/4 SEC. 21, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS

N

0' 20' 40'
SCALE: 1"=20'

BEGIN PROJECT
BEGIN IMPROVEMENTS
STA. 71+70.00
WINDSOR RD.

MEIJER
#2500 PHILO

CHRISTIE CLINIC
#1710 WINDSOR

#2702 BOULDER

#2704 BOULDER

CELL TOWER
#1705 WINDSOR

EX UTILITY/BIKEWAY EASEMENT

CONSTRUCTION LIMITS

PROPOSED COMB CC&G TB6.12
73+18.6
54.2' LT.

PR HMA MULTI-USE PATH 6"

PR 25' UTILITY EASEMENT

EX 15' UTILITY EASEMENT

CONC PARKING LOT

TBM#4

EX 1.5" CONDUIT

EX 1.5" CONDUIT(EMPTY)

EX 15' UTILITY EASEMENT

73+45.00
28.00' LT.

PR ℄ WINDSOR RD.

P.I.

SEE NOTE 1

72+54.53
6.00' RT.

PROPOSED COMB CC&G TB6.12

74+62.47
6.00' LT.

SEE NOTE 1

73+99.05
45.61' RT.

74+75
40.49' RT.

75+16
37.70' RT.

MATCH LINE STA. 75+50

SOUTH LINE, SEC. 21, T19N., R9E.
NORTH LINE, SEC. 28, T19N., R9E.

CP#14

CONSTRUCTION LIMITS

PR HMA MULTI-USE PATH 6"

MATCH EXIST. ENT.
74+95.1, 51.2' RT
15' F.E. @ −9.5%

EX ROW

LEGEND

- DETECTABLE WARNINGS
- PCC SIDEWALK
- PCC DRIVEWAY PAVEMENT
- AGGREGATE SURFACE COURSE, TYPE A
- INCIDENTAL HMA SURFACE
- (1) DRAINAGE STRUCTURE NO. (SEE DRAINAGE SHEETS)

NOTES:

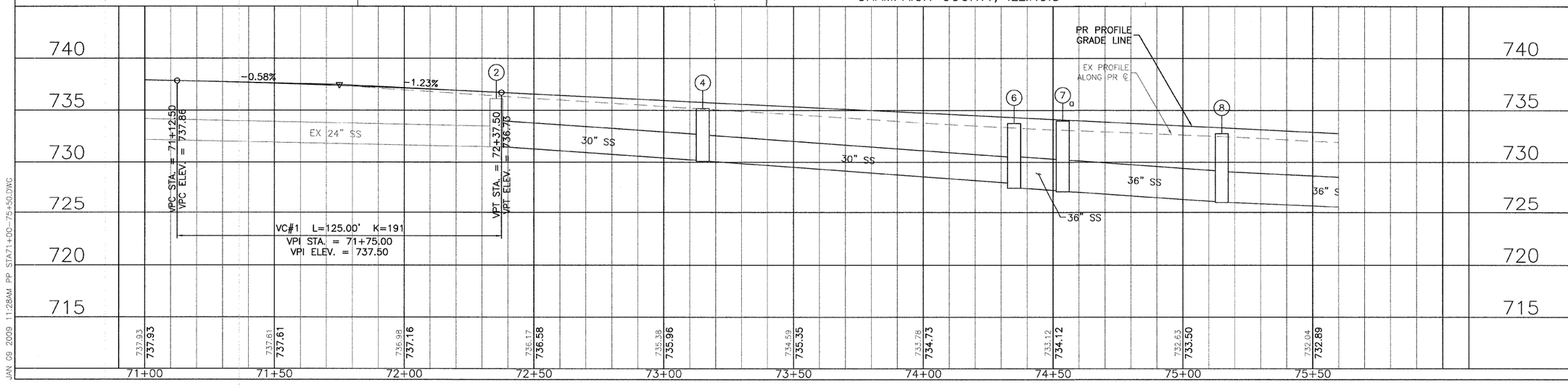
1. PROPOSED CONCRETE MEDIAN, TYPE SB-6.12 (SEE MISC. DETAILS SHEET)

TBM #4: STA.75+18.35, 61.00' LT. BLACK MARKED SQUARE ON THE SOUTH SIDE OF LIGHT POLE AT THE S.W. CORNER OF CHRISTIE CLINIC PARKING LOT WEST OF MYRA RIDGE DRIVE. ELEV.= 734.25

MULTI-USE PATH/SIDEWALK CROSS SLOPES

LOCATION	SLOPE
LT. 71+70 TO 76+32.30	2%
RT. 73+99.05 TO 76+97.00	2%

NE 1/4 SEC. 28, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS



CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

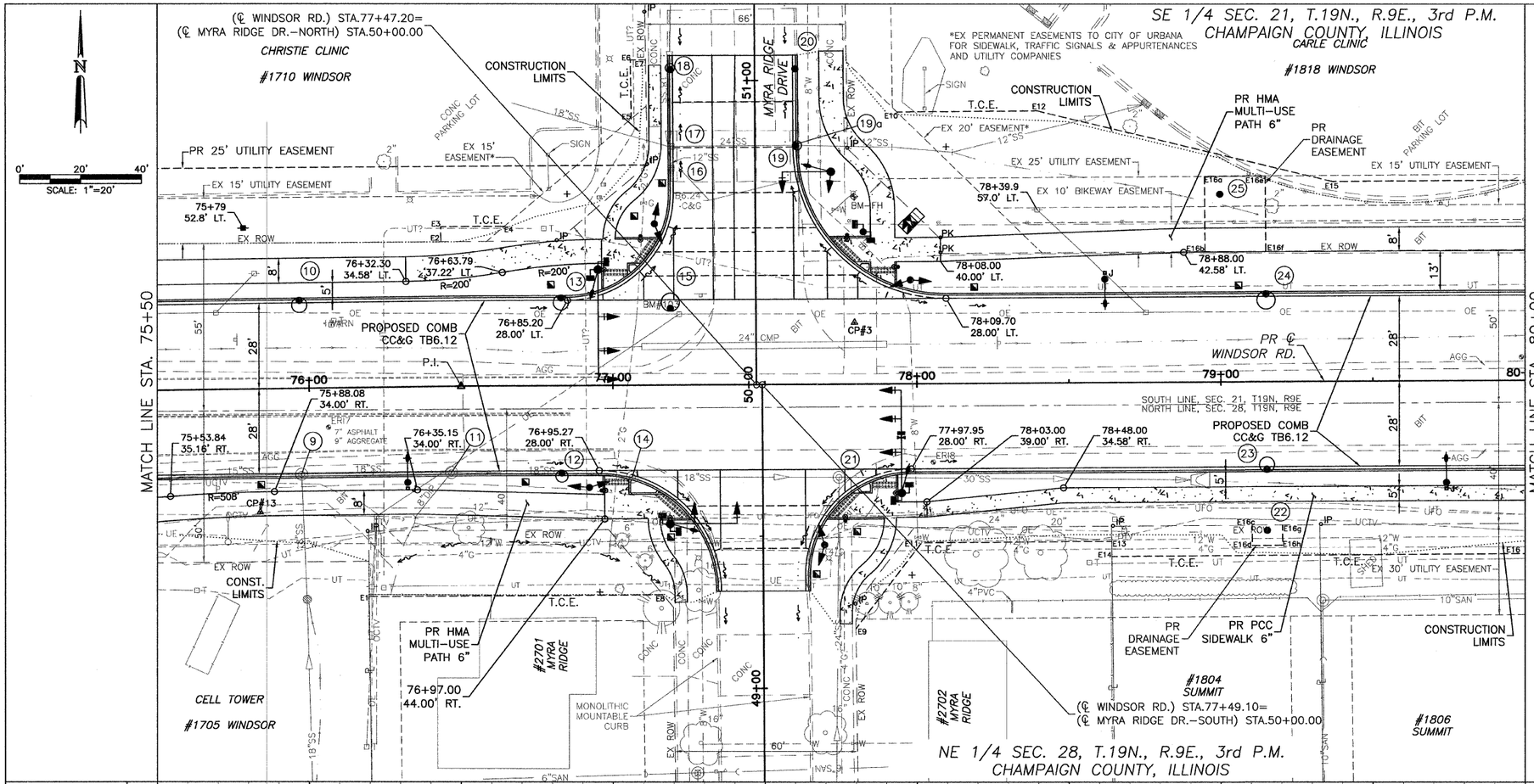
DATED:	1/09	DRAWN BY: AJS
DESIGNED BY: CES		CHECKED BY: GLJ

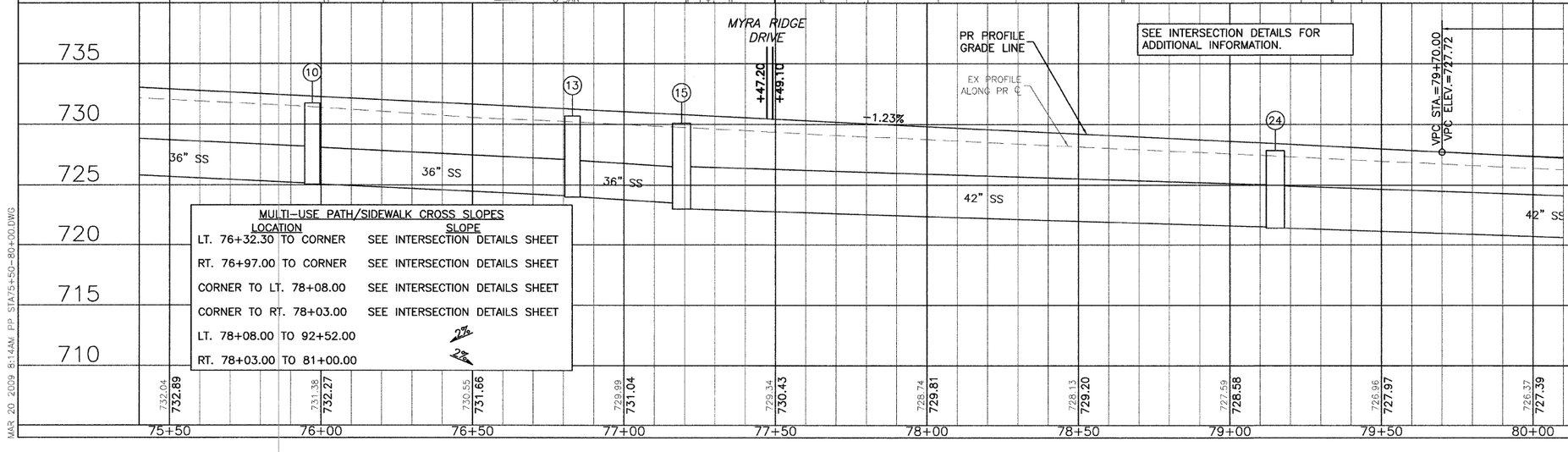
CITY SECTION
00-00361-00-PV

WINDSOR ROAD IMPROVEMENTS
PLAN AND PROFILES
STA 71+00 TO STA 75+50

SHEET NO.
37
OF
145

JAN 09 2009 11:28AM PP STA71+00--75+50.DWG





MULTI–USE PATH/SIDEWALK CROSS SLOPES

LOCATION	SLOPE
LT. 76+32.30 TO CORNER	SEE INTERSECTION DETAILS SHEET
RT. 76+97.00 TO CORNER	SEE INTERSECTION DETAILS SHEET
CORNER TO LT. 78+08.00	SEE INTERSECTION DETAILS SHEET
CORNER TO RT. 78+03.00	SEE INTERSECTION DETAILS SHEET
LT. 78+08.00 TO 92+52.00	2%
RT. 78+03.00 TO 81+00.00	2%

CONTRACT NO. 91391

LEGEND

- DETECTABLE WARNINGS
- PCC SIDEWALK
- PCC DRIVEWAY PAVEMENT
- AGGREGATE SURFACE COURSE, TYPE A
- INCIDENTAL HMA SURFACE
- (1) DRAINAGE STRUCTURE NO. (SEE DRAINAGE SHEETS)

BM #103: STA.77+21.50, 23.20' LT. RR SPIKE IN FIRST POWER POLE WEST OF MYRA RIDGE DR. & WINDSOR RD. ELEV.= 730.87

BM–FH: STA. 77+79.00, 61.50' LT. N.E. BOLT OF FIRE HYDRANT ON THE N.E. CORNER OF MYRA RIDGE DR. & WINDSOR RD. ELEV.= 729.69

TEMPORARY CONSTRUCTION EASEMENT STATIONS AND OFFSETS

POINT	STATION	OFFSET
E1	76+18.84	68.90 RT
E2	76+43.96	47.45 LT
E3	76+43.98	52.44 LT
E4	76+64.57	52.44 LT
E5	77+06.34	106.88 LT
E6	77+06.53	87.76 LT
E7	77+11.34	106.93 LT
E8	77+16.03	69.00 LT
E9	77+79.42	80.53 RT
E10	77+93.93	89.59 LT
E11	78+01.18	52.40 RT
E12	78+40.00	89.65 LT
E13	78+63.76	52.32 RT
E14	78+63.79	57.32 RT
E15	79+37.00	65.77 LT
E16	80+00.81	57.15 RT
E16a	78+95.00	67.72 LT
E16b	78+95.02	42.72 LT
E16c	79+10.00	47.27 RT
E16d	79+10.01	53.97 RT
E16e	79+15.00	67.74 LT
E16f	79+15.02	42.74 LT
E16g	79+20.00	47.25 RT
E16h	79+20.01	53.95 RT

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

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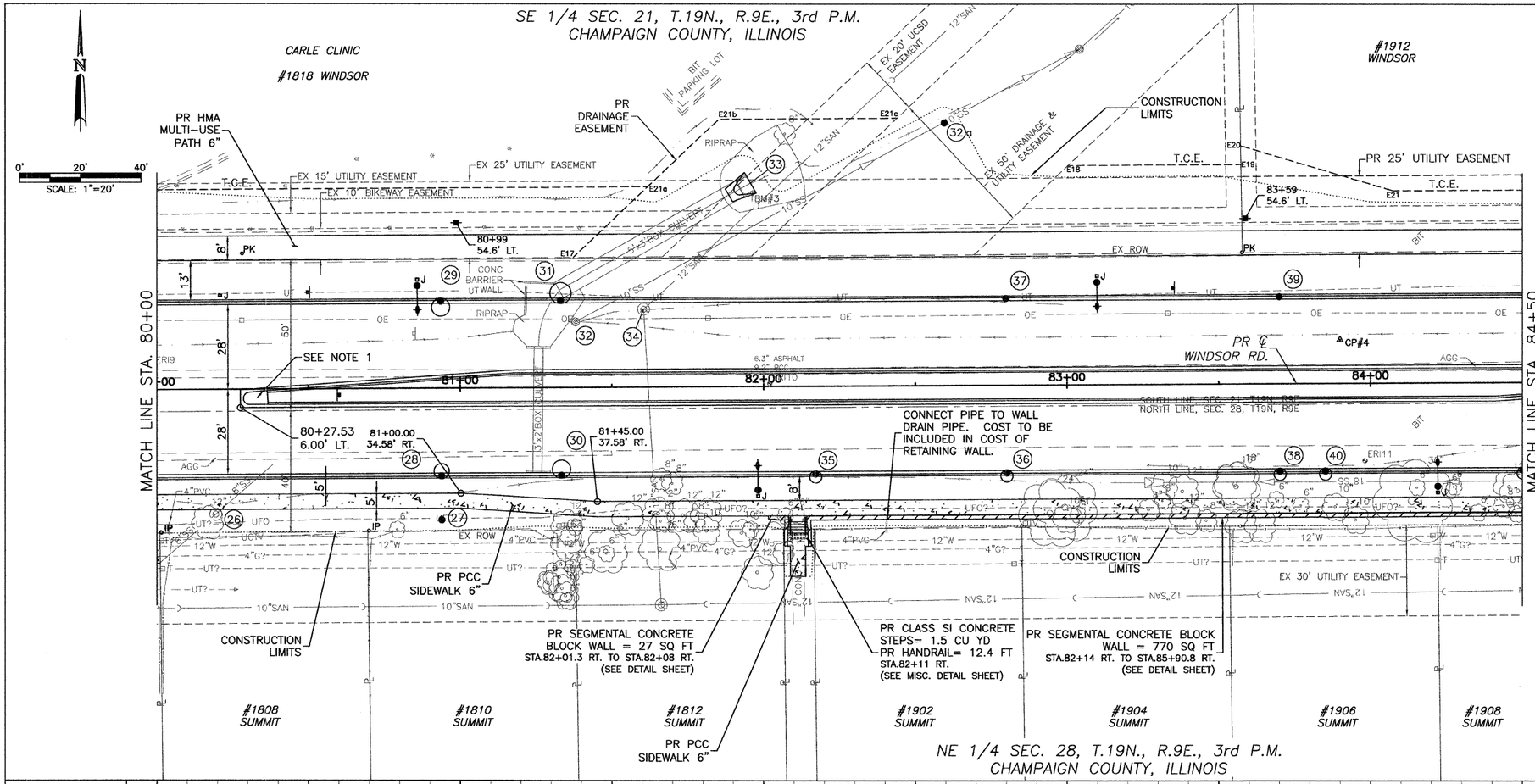
WINDSOR ROAD IMPROVEMENTS
PLAN AND PROFILES
STA 75+50 TO STA 80+00

SHEET NO.
38
OF
145

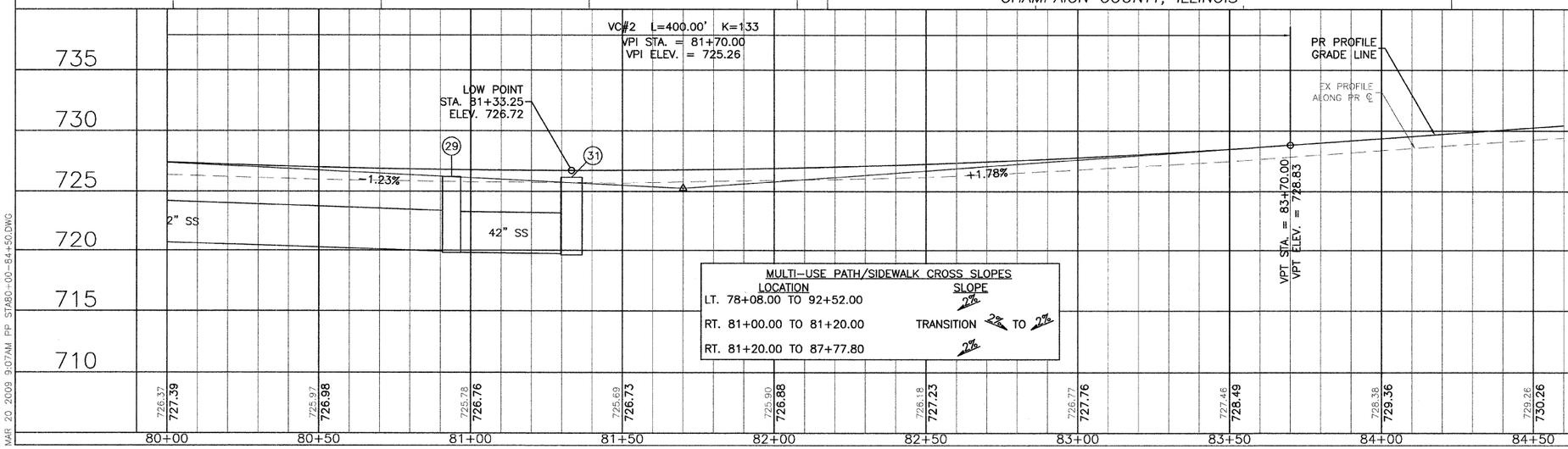
MAR 20 2009 8:14AM PP STA75+50–80+00.DWG

CONTRACT NO. 91391

SE 1/4 SEC. 21, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS



NE 1/4 SEC. 28, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS



MULTI-USE PATH/SIDEWALK CROSS SLOPES

LOCATION	SLOPE
LT. 78+08.00 TO 92+52.00	2%
RT. 81+00.00 TO 81+20.00	TRANSITION 2% TO 2%
RT. 81+20.00 TO 87+77.80	2%

LEGEND

- DETECTABLE WARNINGS
- PCC SIDEWALK
- PCC DRIVEWAY PAVEMENT
- AGGREGATE SURFACE COURSE, TYPE A
- INCIDENTAL HMA SURFACE
- (1) DRAINAGE STRUCTURE NO. (SEE DRAINAGE SHEETS)

TBM #3: STA. 81+97.00, 64.50' LT. S.E. CORNER OF BOX CULVERT, N. SIDE OF BIKE PATH N. OF WINDSOR ROAD BETWEEN MYRA RIDGE DR. & SUSAN STONE DR. ELEV.= 723.42

NOTES:

1. PROPOSED CONCRETE MEDIAN, TYPE SB-6.12 (SEE MISC. DETAILS SHEETS)

TEMPORARY CONSTRUCTION EASEMENT STATIONS AND OFFSETS

POINT	STATION	OFFSET
E17	81+62.20	66.04 LT
E18	83+00.72	72.21 LT
E19	83+57.72	72.28 LT
E20	83+57.66	78.28 LT
E21	84+07.81	63.35 LT
E21a	81+62.20	66.04 LT
E21b	81+85.81	88.07 LT
E21c	82+44.51	88.14 LT

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DRAWN BY: AJS
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DATED: 1/09

CITY SECTION
00-00361-00-PV

WINDSOR ROAD IMPROVEMENTS
PLAN AND PROFILES
STA 80+00 TO STA 84+50

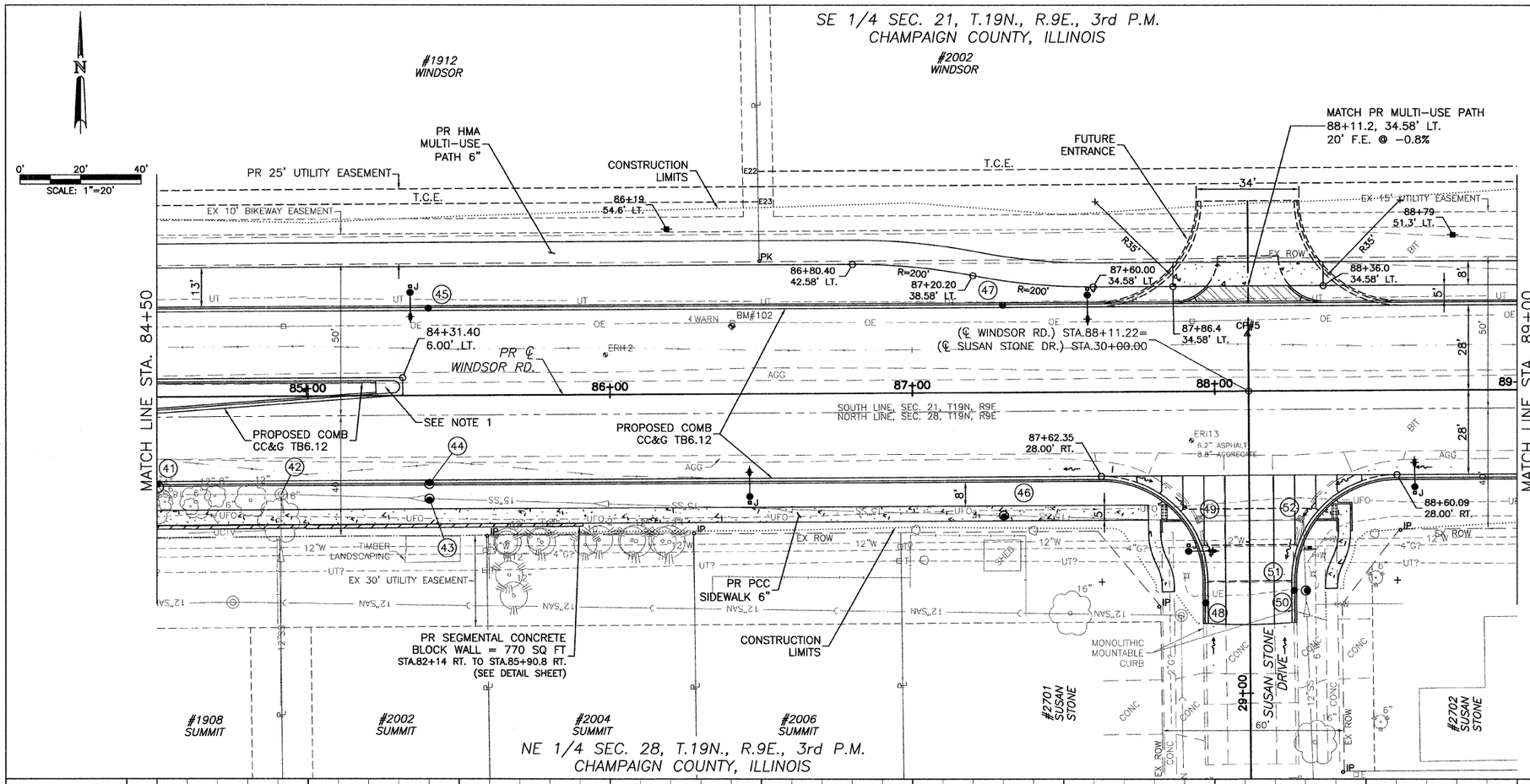
SHEET NO. 39 OF 145

MAR 20 2009 9:07AM PP STA80-00-84+50.DWG

CONTRACT NO. 91391

SE 1/4 SEC. 21, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS

NE 1/4 SEC. 28, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS



LEGEND

- DETECTABLE WARNINGS
- PCC SIDEWALK
- PCC DRIVEWAY PAVEMENT
- AGGREGATE SURFACE COURSE, TYPE A
- INCIDENTAL HMA SURFACE
- (1) DRAINAGE STRUCTURE NO. (SEE DRAINAGE SHEETS)

SEE INTERSECTION DETAILS FOR ADDITIONAL INFORMATION.

BM #102: STA. 86+40, 22.00' LT. RR SPIKE IN SECOND POWER POLE WEST OF INTERSECTION OF SUSAN STONE DR. & WINDSOR RD. ELEV.= 734.34

TBM #5: STA. 87+79.15, 186.05' RT. TOP CENTER NUT OF FIRE HYDRANT AT N.W. CORNER OF SUSAN STONE DR. & SUMMIT DR. ELEV.= 737.53

NOTES:

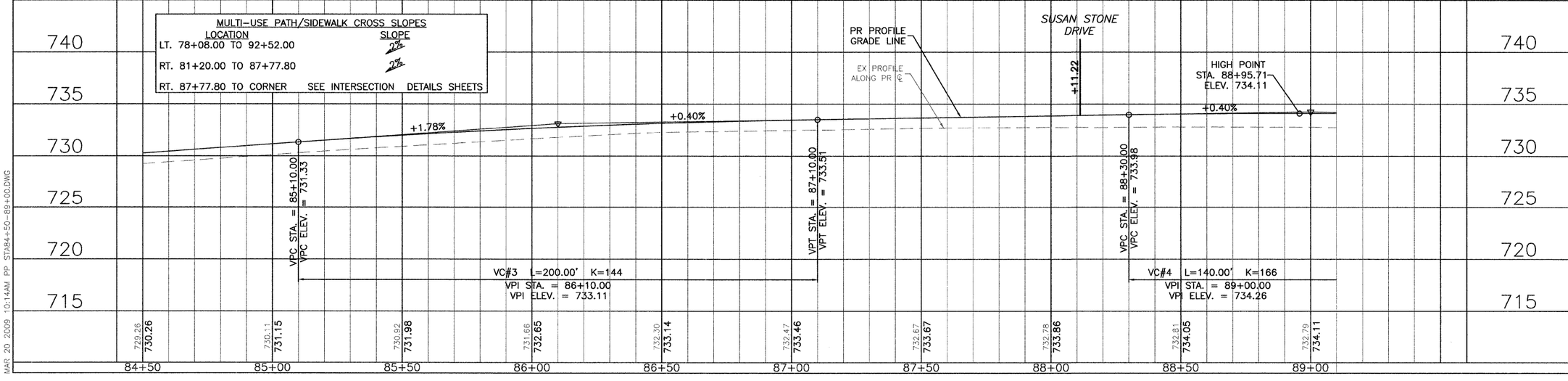
1. PROPOSED CONCRETE MEDIAN, TYPE SB-6.12 (SEE MISC. DETAILS SHEETS)

TEMPORARY CONSTRUCTION EASEMENT STATIONS AND OFFSETS

POINT	STATION	OFFSET
E22	86+49.24	73.64 LT
E23	86+49.34	63.64 LT

MULTI-USE PATH/SIDEWALK CROSS SLOPES

LOCATION	SLOPE
LT. 78+08.00 TO 92+52.00	2%
RT. 81+20.00 TO 87+77.80	2%
RT. 87+77.80 TO CORNER	SEE INTERSECTION DETAILS SHEETS



CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DATED: 1/09
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DRAWN BY: AJS
CHECKED BY: GLJ
CITY SECTION
00-00361-00-PV

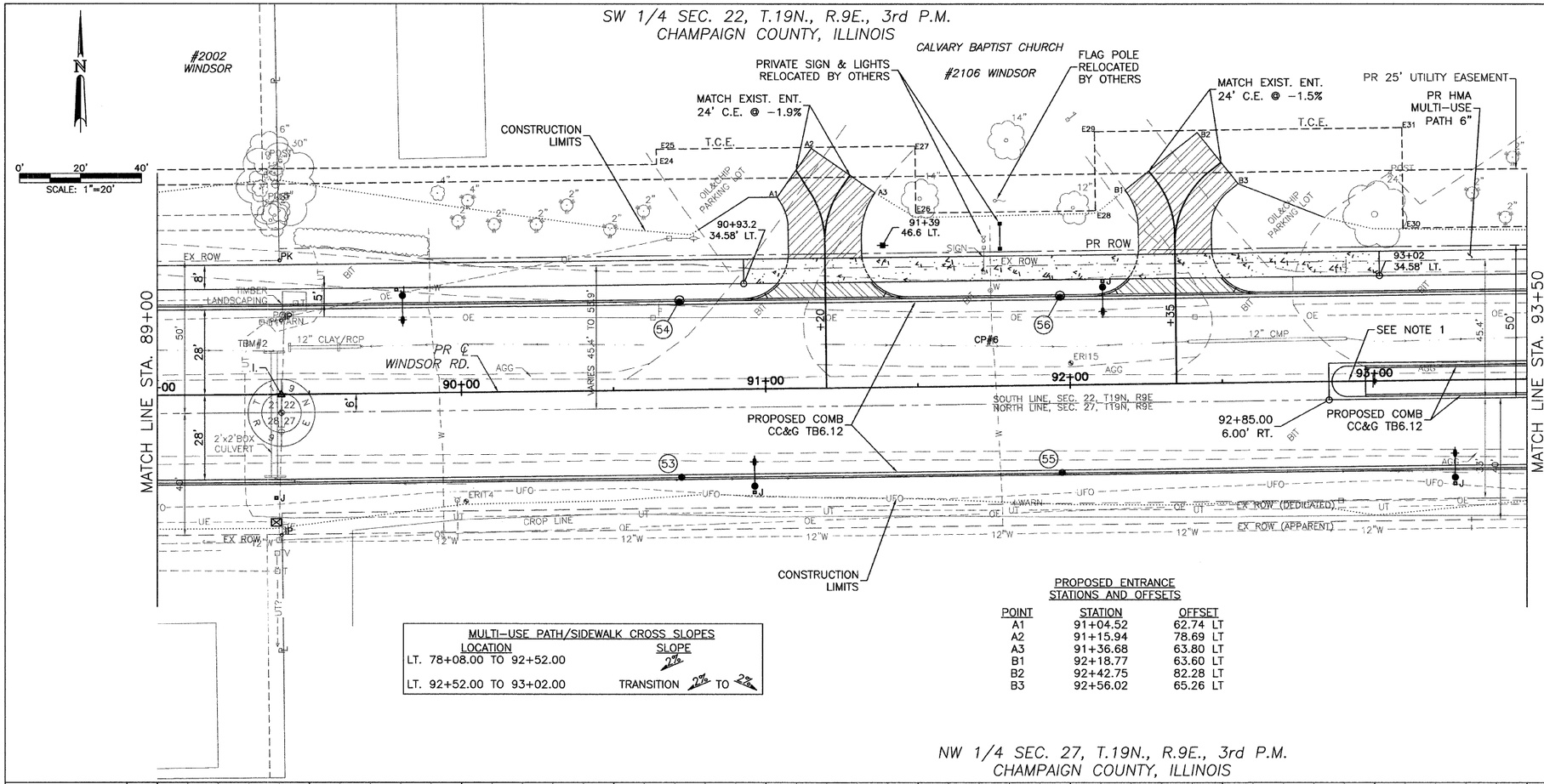
WINDSOR ROAD IMPROVEMENTS
PLAN AND PROFILES
STA 84+50 TO STA 89+00

SHEET NO. 40 OF 145

MAR 20 2009 10:14AM PP STA84+50-89+00.DWG

CONTRACT NO. 91391

SW 1/4 SEC. 22, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS



TBM #2: STA. 89+38.70, 14.00' LT. CHISELED SQUARE ON CONCRETE HEADWALL ON N. SIDE OF WINDSOR RD. EAST OF SUSAN STONE DR. W. OF WEST MOST ENTRANCE TO CALVARY BAPTIST CHURCH ELEV.= 732.02

NOTES:

1. PROPOSED CONCRETE MEDIAN, TYPE SB-6.12 (SEE MISC. DETAILS SHEETS)

LEGEND

- DETECTABLE WARNINGS
- PCC SIDEWALK
- PCC DRIVEWAY PAVEMENT
- AGGREGATE SURFACE COURSE, TYPE A
- INCIDENTAL HMA SURFACE
- (1) DRAINAGE STRUCTURE NO. (SEE DRAINAGE SHEETS)

MULTI-USE PATH/SIDEWALK CROSS SLOPES

LOCATION	SLOPE
LT. 78+08.00 TO 92+52.00	2%
LT. 92+52.00 TO 93+02.00	TRANSITION 2% TO 2%

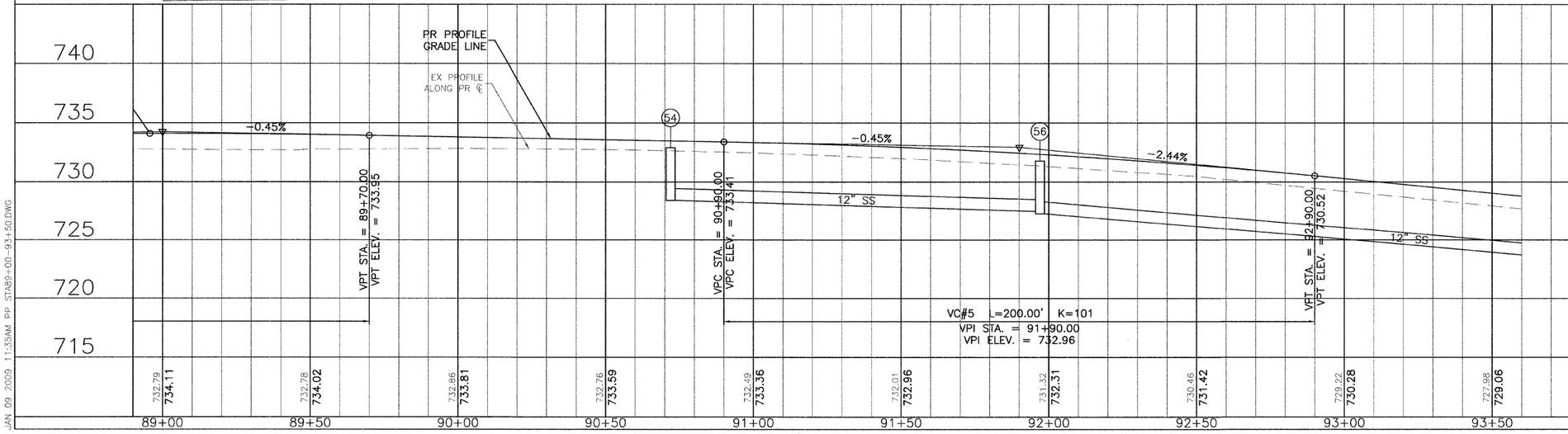
PROPOSED ENTRANCE STATIONS AND OFFSETS

POINT	STATION	OFFSET
A1	91+04.52	62.74 LT
A2	91+15.94	78.69 LT
A3	91+36.68	63.80 LT
B1	92+18.77	63.60 LT
B2	92+42.75	82.28 LT
B3	92+56.02	65.26 LT

TEMPORARY CONSTRUCTION EASEMENT STATIONS AND OFFSETS

POINT	STATION	OFFSET
E24	90+65.00	74.00 LT
E25	90+65.00	79.00 LT
E26	91+50.00	57.00 LT
E27	91+50.00	79.00 LT
E28	92+09.00	57.00 LT
E29	92+09.00	83.00 LT
E30	93+10.00	50.00 LT
E31	93+10.00	83.00 LT

NW 1/4 SEC. 27, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS



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ENGINEERING DIVISION

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00-00361-00-PV

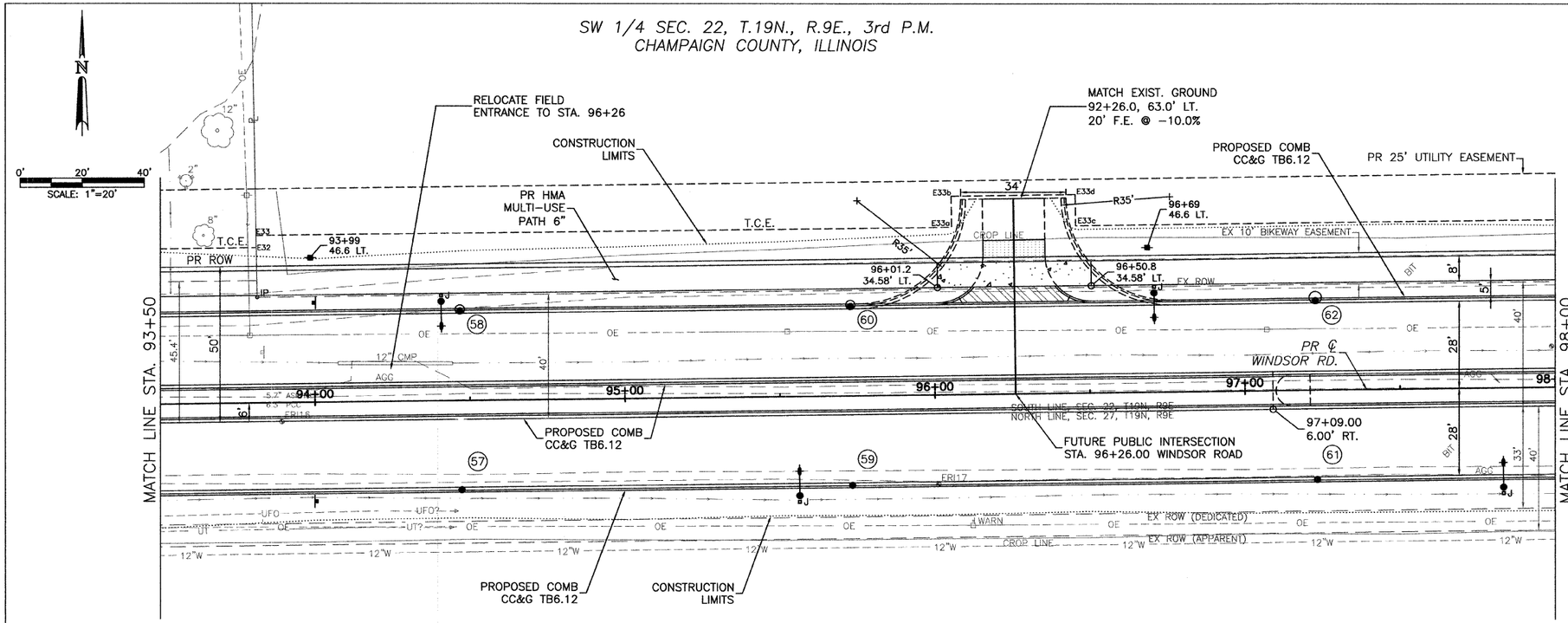
WINDSOR ROAD IMPROVEMENTS
PLAN AND PROFILES
STA 89+00 TO STA 93+50

SHEET NO. 41 OF 145

JAN 09 2009 11:35AM PP STA89+00-93+50.DWG

CONTRACT NO. 91391

SW 1/4 SEC. 22, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS



LEGEND

- DETECTABLE WARNINGS
- PCC SIDEWALK
- PCC DRIVEWAY PAVEMENT
- AGGREGATE SURFACE COURSE, TYPE A
- INCIDENTAL HMA SURFACE
- (1) DRAINAGE STRUCTURE NO. (SEE DRAINAGE SCHEDULES)

TEMPORARY CONSTRUCTION EASEMENT STATIONS AND OFFSETS

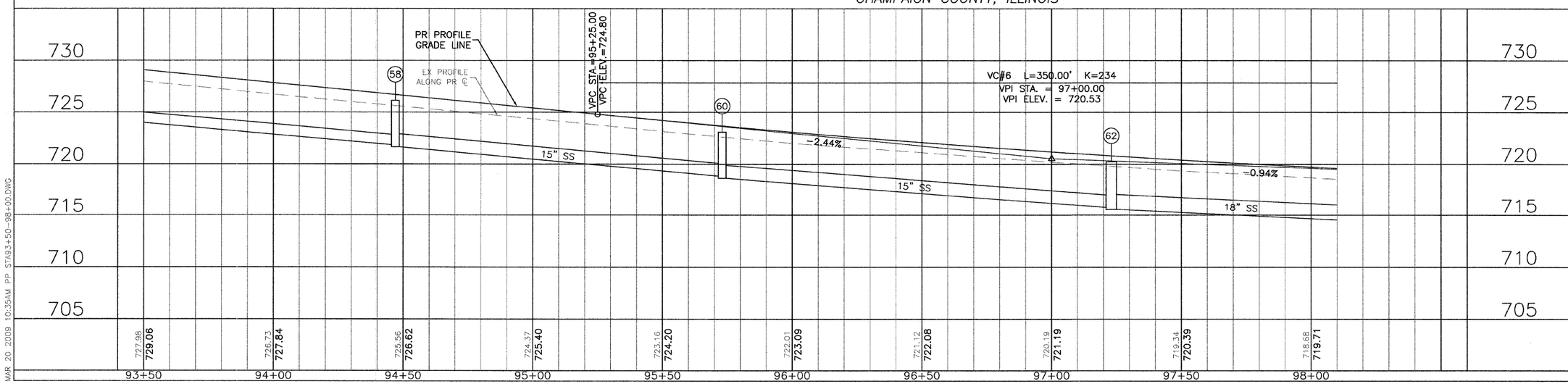
POINT	STATION	OFFSET
E32	93+81.57	54.00 LT
E33	93+81.59	50.00 LT
E33a	96+06.00	54.00 LT
E33b	96+06.00	64.00 LT
E33c	96+46.00	54.00 LT
E33d	96+46.00	64.00 LT

MULTI-USE PATH/SIDEWALK CROSS SLOPES

LOCATION	SLOPE
LT. 93+02.00 TO 105+50.00	2%

EX UNDERGROUND TELEPHONE NOT SHOWN FROM STA. 94+00 TO STA. 114+00

NW 1/4 SEC. 27, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS



CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

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CITY SECTION
00-00361-00-PV

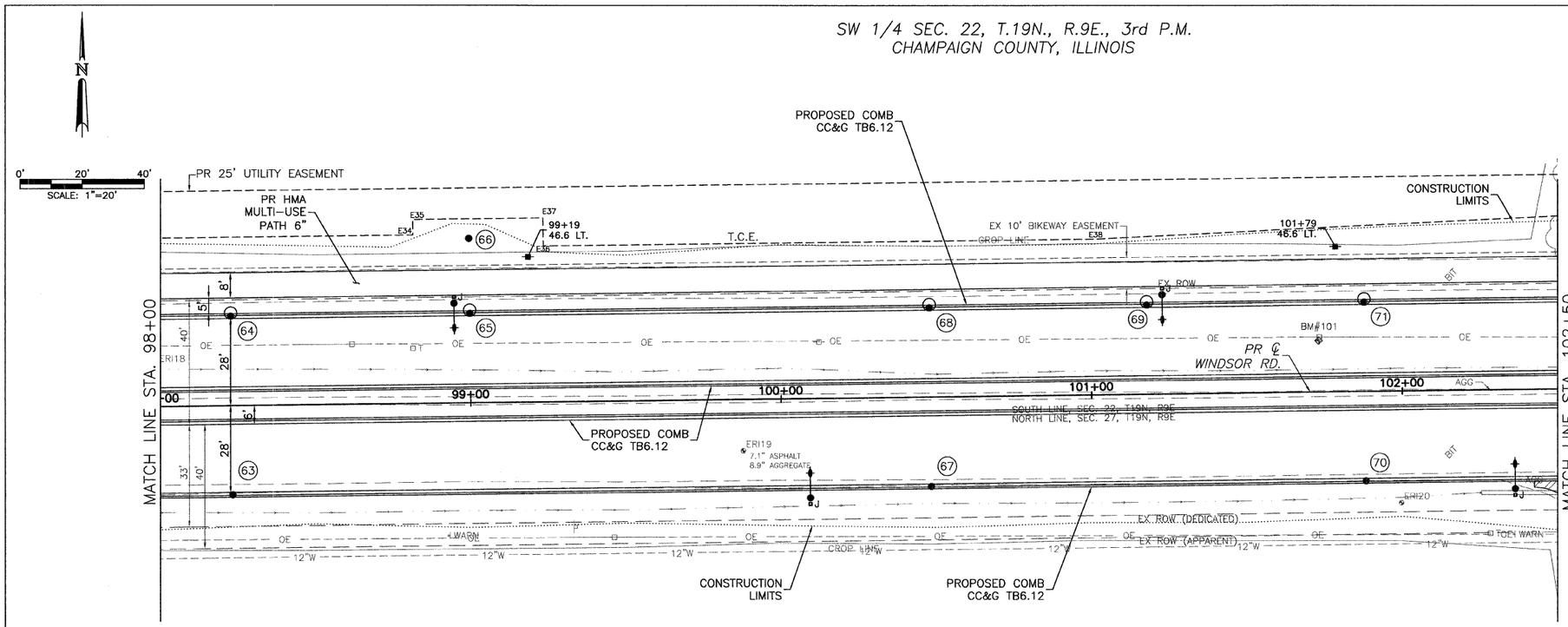
WINDSOR ROAD IMPROVEMENTS
PLAN AND PROFILES
STA 93+50 TO STA 98+00

SHEET NO.
42
OF
145

MAR 20 2009 10:35AM PP STA93+50-98+00.DWG

SW 1/4 SEC. 22, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS

CONTRACT NO. 91391



LEGEND

- DETECTABLE WARNINGS
- PCC SIDEWALK
- PCC DRIVEWAY PAVEMENT
- AGGREGATE SURFACE COURSE, TYPE A
- INCIDENTAL HMA SURFACE
- (1) DRAINAGE STRUCTURE NO. (SEE DRAINAGE SHEETS)

BM #101: STA. 101+73.00, 16.50' LT. RR SPIKE IN FOURTEENTH POWER POLE WEST OF STONE CREEK BLVD. ELEV.= 718.41

NOTES
1. TRANSITION CC&G B-6.12 TO CC&G B-6.24 IN 20'

TEMPORARY CONSTRUCTION EASEMENT STATIONS AND OFFSETS

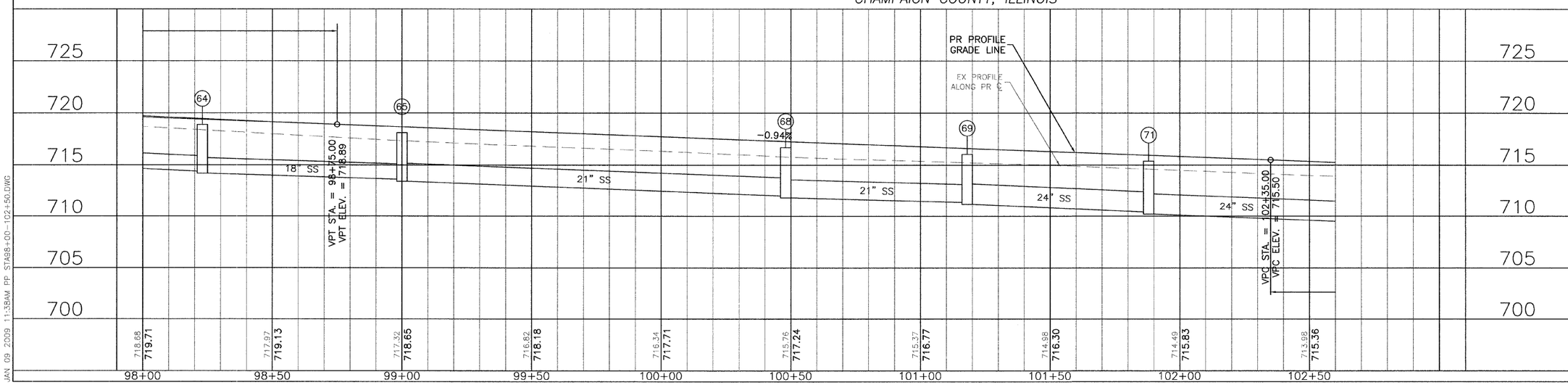
POINT	STATION	OFFSET
E34	98+82.00	54.00 LT
E35	98+82.00	59.00 LT
E36	99+24.00	50.00 LT
E37	99+24.00	59.00 LT
E38	101+02.00	50.00 LT

MULTI-USE PATH/SIDEWALK CROSS SLOPES

LOCATION	SLOPE
LT. 93+02.00 TO 105+50.00	2%

EX UNDERGROUND TELEPHONE NOT SHOWN FROM STA. 94+00 TO STA. 114+00

NW 1/4 SEC. 27, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS



JAN 09 2009 11:38AM PP ST498+00-102+50.DWG

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DATED: 1/09
DESIGNED BY: CES
DRAWN BY: AJS
CHECKED BY: GLJ
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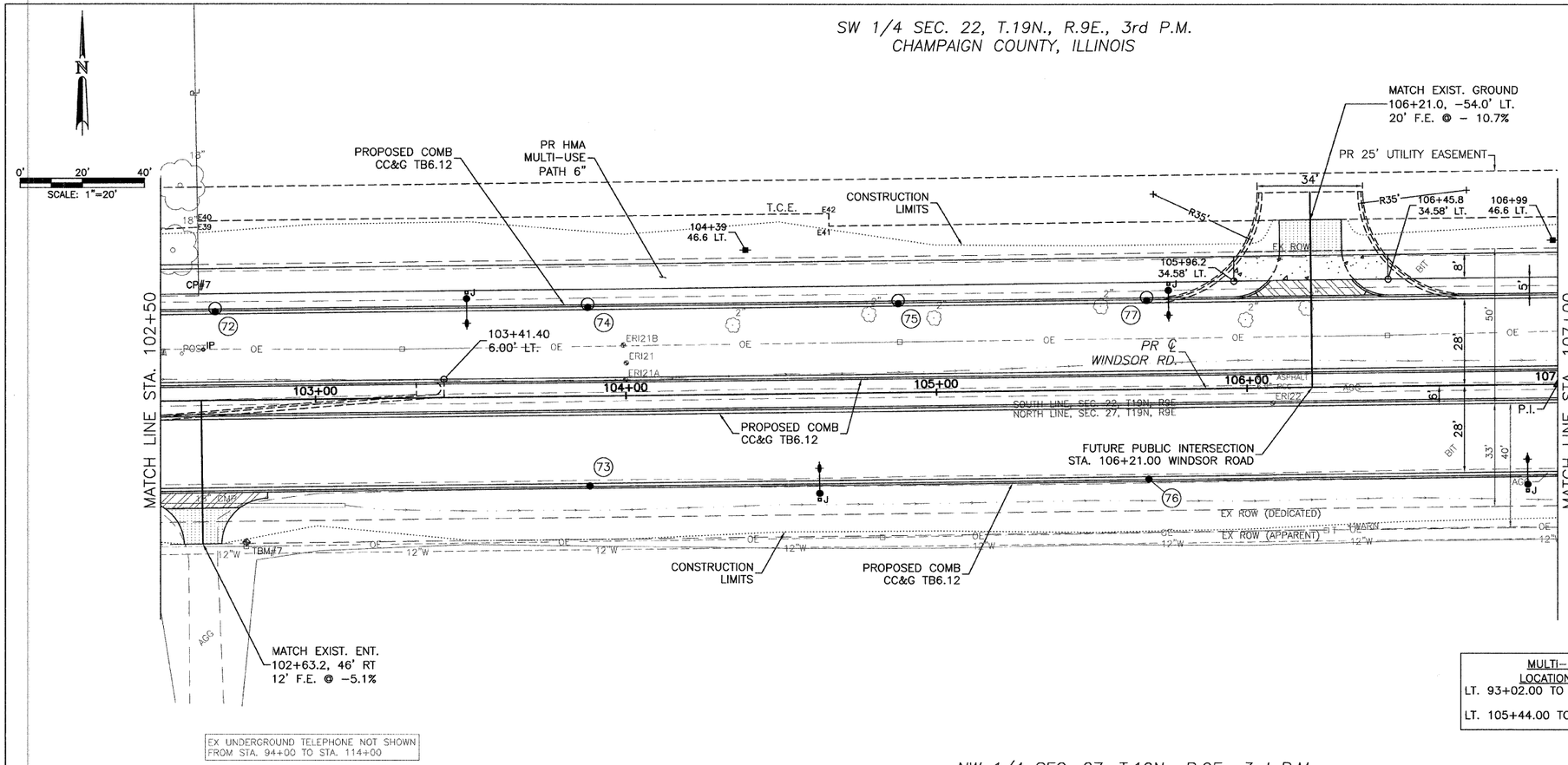
WINDSOR ROAD IMPROVEMENTS
PLAN AND PROFILES
STA 98+00 TO STA 102+50

SHEET NO. 43 OF 145

CONTRACT NO. 91391

SW 1/4 SEC. 22, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS



EX UNDERGROUND TELEPHONE NOT SHOWN FROM STA. 94+00 TO STA. 114+00

LEGEND

- DETECTABLE WARNINGS
- PCC SIDEWALK
- PCC DRIVEWAY PAVEMENT
- AGGREGATE SURFACE COURSE, TYPE A
- INCIDENTAL HMA SURFACE
- (1) DRAINAGE STRUCTURE NO. (SEE DRAINAGE SHEETS)

TBM #7: STA. 102+78.20, 46.00' RT. P.K. NAIL IN N. FACE OF POWER POLE ON THE S. SIDE WINDSOR RD. FIFTH POLE E. OF SUSAN STONE DR. ELEV.=716.16

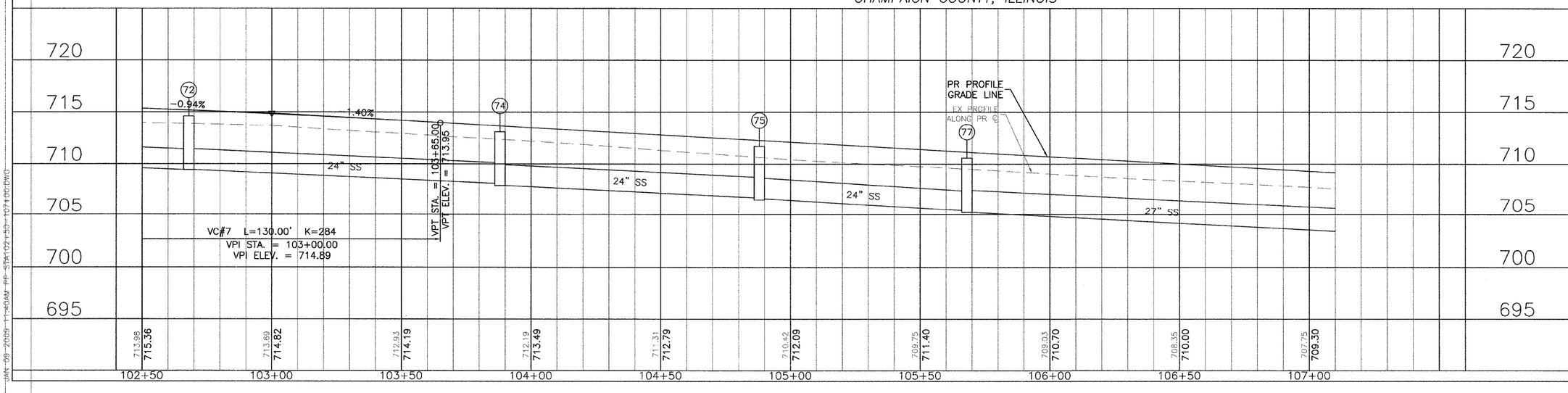
TEMPORARY CONSTRUCTION EASEMENT STATIONS AND OFFSETS

POINT	STATION	OFFSET
E39	102+62.67	56.00 LT
E40	102+62.67	58.00 LT
E41	104+66.00	54.00 LT
E42	104+66.00	58.00 LT

MULTI-USE PATH/SIDEWALK CROSS SLOPES

LOCATION	SLOPE
LT. 93+02.00 TO 105+50.00	2%
LT. 105+44.00 TO 105+96.00	TRANSITION 2% TO 2%

NW 1/4 SEC. 27, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS



CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DATED: 1/09
DESIGNED BY: CES
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CITY SECTION
00-00361-00-PV

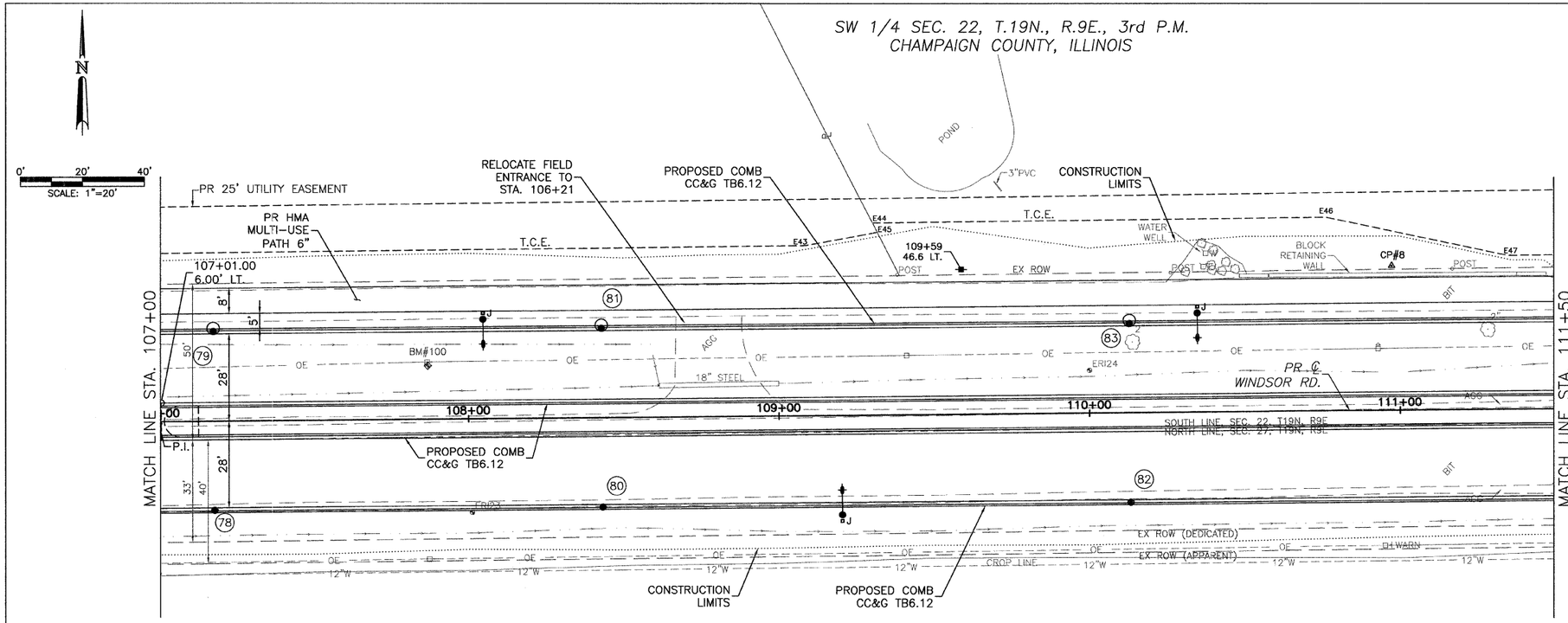
WINDSOR ROAD IMPROVEMENTS
PLAN AND PROFILES
STA 102+50 TO STA 107+00

SHEET NO. 44 OF 145

JAN 09 2009 11:40AM PP STA102+50 107+00.DWG

CONTRACT NO. 91391

SW 1/4 SEC. 22, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS



LEGEND

- DETECTABLE WARNINGS
- PCC SIDEWALK
- PCC DRIVEWAY PAVEMENT
- AGGREGATE SURFACE COURSE, TYPE A
- INCIDENTAL HMA SURFACE
- (1) DRAINAGE STRUCTURE NO. (SEE DRAINAGE SHEETS)

BM #100: STA. 107+87.00, 17.00' LT. RR SPIKE IN TENTH POWER POLE W. OF STONE CREEK BLVD. ELEV.= 706.41

TEMPORARY CONSTRUCTION EASEMENT STATIONS AND OFFSETS

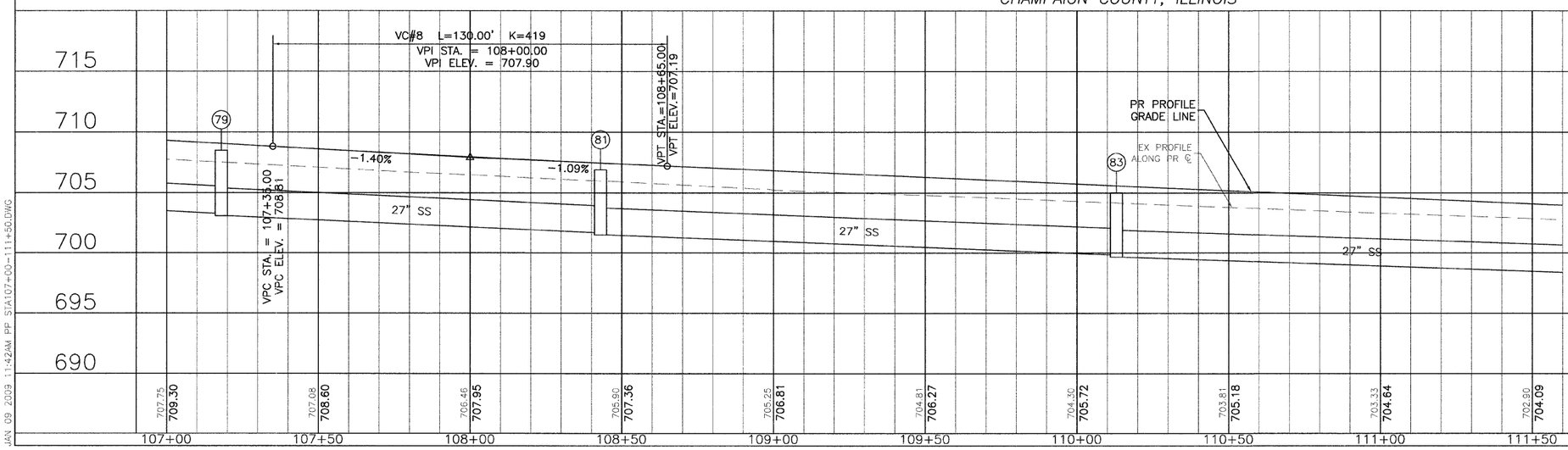
POINT	STATION	OFFSET
E43	109+09.00	54.00 LT
E44	109+30.67	61.77 LT
E45	109+32.17	58.77 LT
E46	110+76.50	62.26 LT
E47	111+35.00	49.45 LT

MULTI-USE PATH/SIDEWALK CROSS SLOPES

LOCATION	SLOPE
LT. 105+96.00 TO 122+55.10	2%

EX UNDERGROUND TELEPHONE NOT SHOWN FROM STA. 94+00 TO STA. 114+00

NW 1/4 SEC. 27, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS



CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DRAWN BY: AJS
CHECKED BY: GLJ
DESIGNED BY: CES
DATED: 1/09

CITY SECTION
00-00361-00-PV

WINDSOR ROAD IMPROVEMENTS
PLAN AND PROFILES
STA 107+00 TO STA 111+50

SHEET NO. 45 OF 145

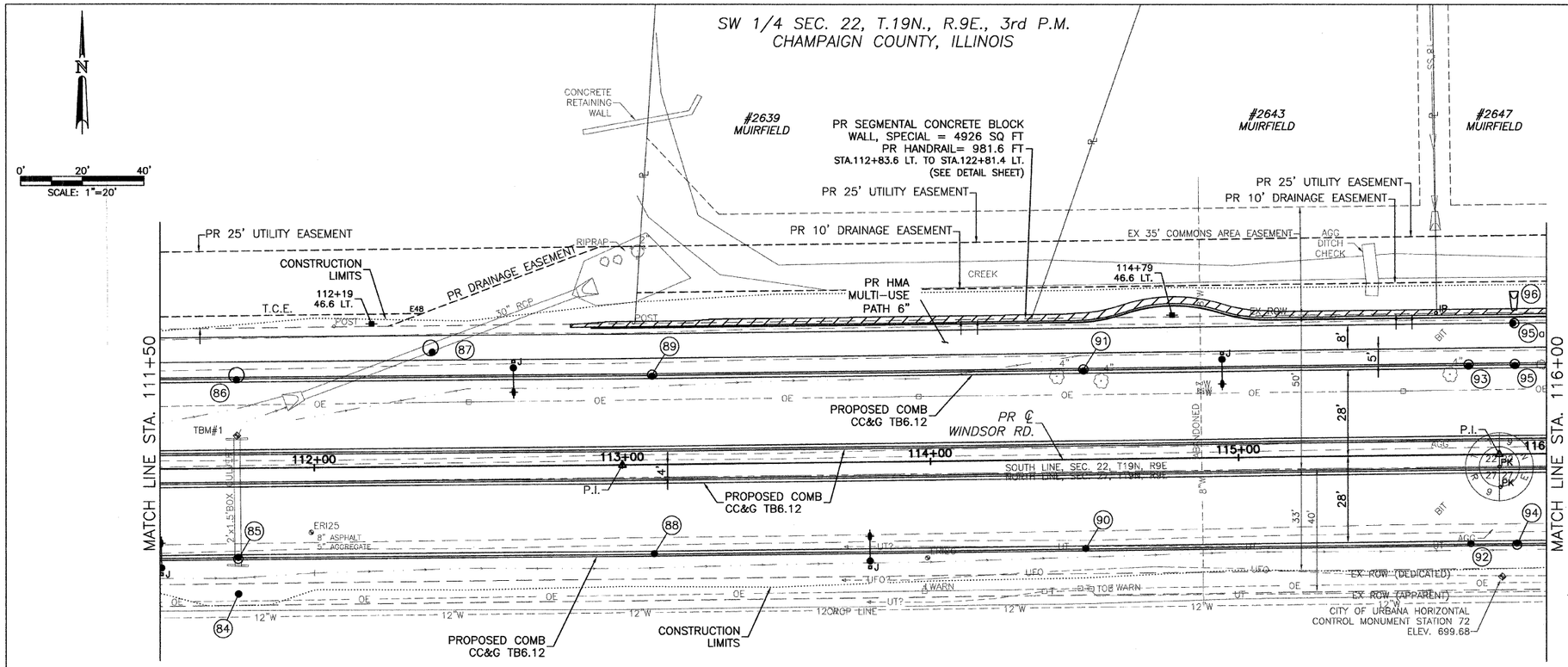
JAN 09 2009 11:42AM PP STA107+00-111+50.DWG

CONTRACT NO. 91391

SW 1/4 SEC. 22, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS

N

0' 20' 40'
SCALE: 1"=20'



LEGEND

- DETECTABLE WARNINGS
- PCC SIDEWALK
- PCC DRIVEWAY PAVEMENT
- AGGREGATE SURFACE COURSE, TYPE A
- INCIDENTAL HMA SURFACE
- (1) DRAINAGE STRUCTURE NO. (SEE DRAINAGE SHEETS)

TBM #1: STA. 111+74.90, 10.50' LT.
CHISELED SQUARE ON CENTER OF CONCRETE HEADWALL OF 2'X2' BOX CULVERT ON N. SIDE OF WINDSOR RD., 1181' W. OF STONE CREEK BLVD. ELEV.= 702.14

TEMPORARY CONSTRUCTION EASEMENT STATIONS AND OFFSETS

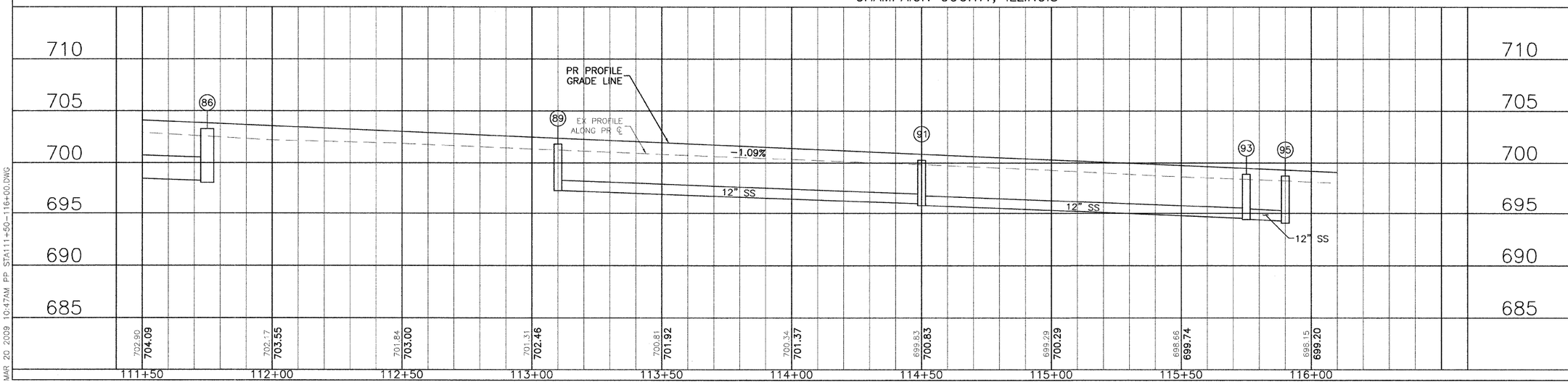
POINT	STATION	OFFSET
E48	112+35.48	49.79 LT

EX UNDERGROUND TELEPHONE NOT SHOWN FROM STA. 94+00 TO STA. 114+00

MULTI-USE PATH/SIDEWALK CROSS SLOPES

LOCATION	SLOPE
LT. 105+96.00 TO 122+55.10	2%

NW 1/4 SEC. 27, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS



CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

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DATED: 1/09
CITY SECTION 00-00361-00-PV

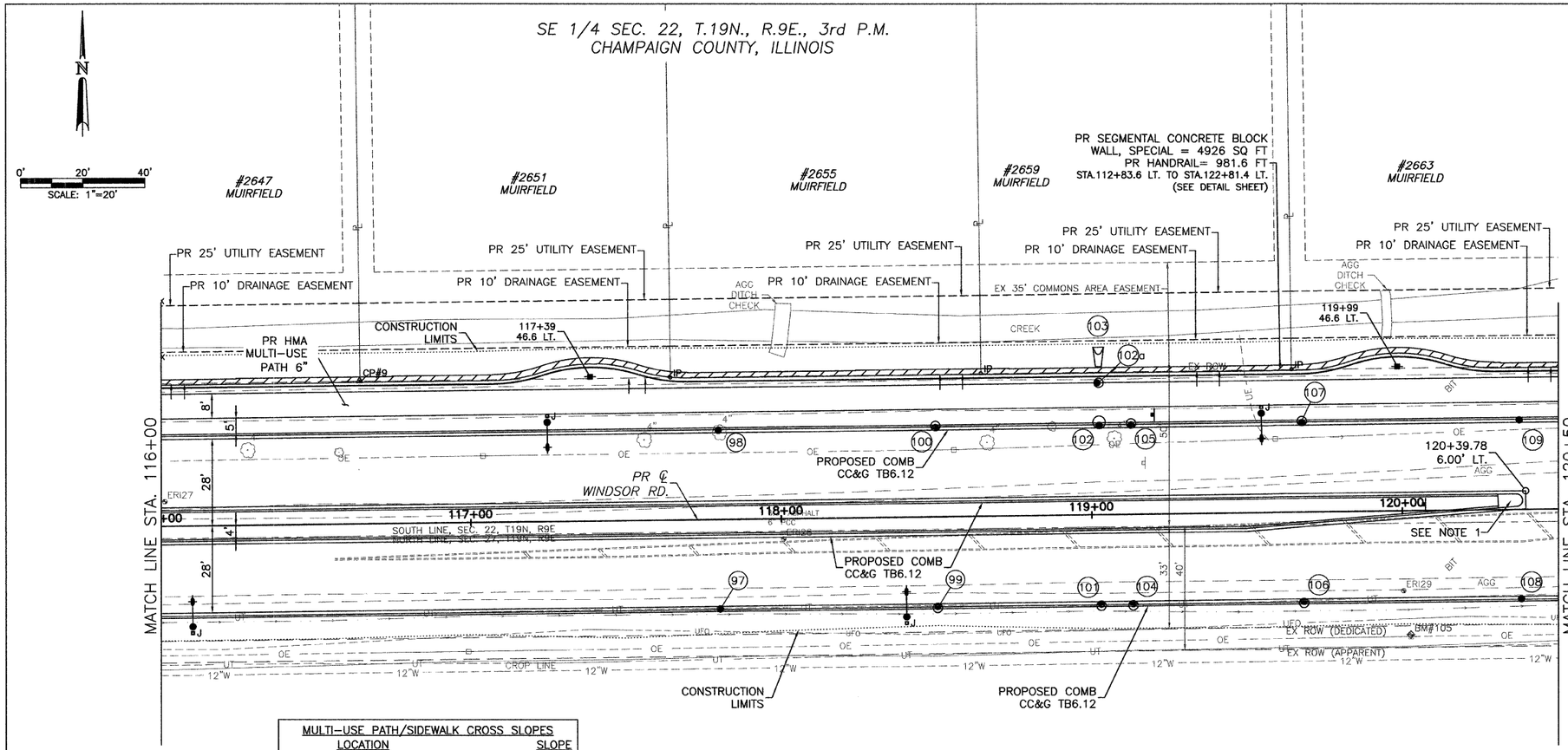
WINDSOR ROAD IMPROVEMENTS
PLAN AND PROFILES
STA 111+50 TO STA 116+00

SHEET NO. 46 OF 145

MAR 20 2009 10:47AM PP STA111+50-116+00.DWG

CONTRACT NO. 91391

SE 1/4 SEC. 22, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS



LEGEND

- DETECTABLE WARNINGS
- PCC SIDEWALK
- PCC DRIVEWAY PAVEMENT
- AGGREGATE SURFACE COURSE, TYPE A
- INCIDENTAL HMA SURFACE
- (1) DRAINAGE STRUCTURE NO. (SEE DRAINAGE SHEETS)

BM #105: STA. 120+02.80, 40.00' RT. RR SPIKE IN N. SIDE OF POWER POLE ON S. SIDE OF WINDSOR ROAD, FIRST POLE W. OF STONE CREEK BLVD. ELEV.=697.36

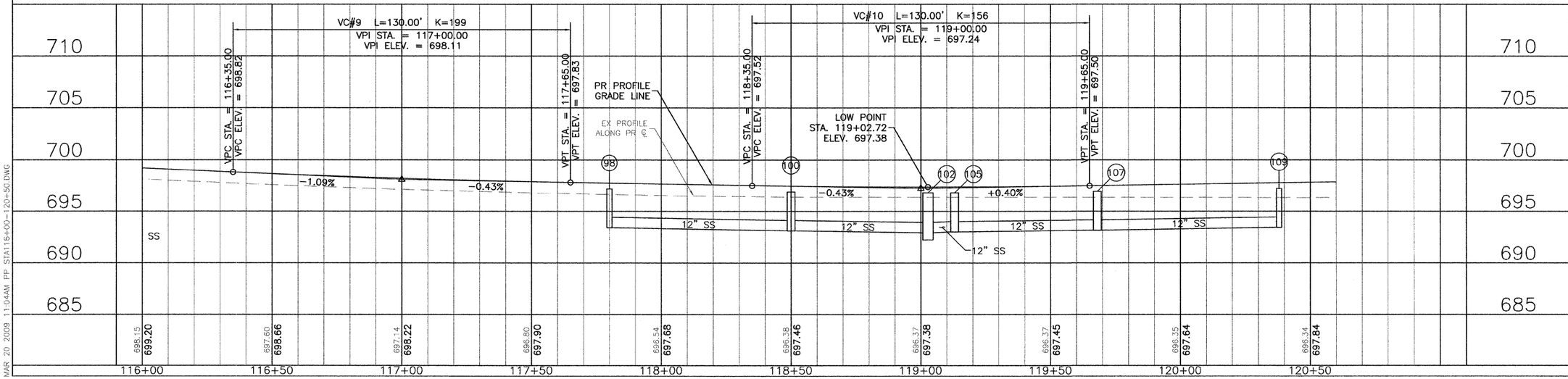
NOTES:

1. PROPOSED CONCRETE MEDIAN, TYPE SB-6.12 (SEE MISC. DETAILS SHEET)

MULTI-USE PATH/SIDEWALK CROSS SLOPES

LOCATION	SLOPE
LT. 105+96.00 TO 122+55.10	2%

NE 1/4 SEC. 27, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS



CITY OF URBANA
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CITY SECTION
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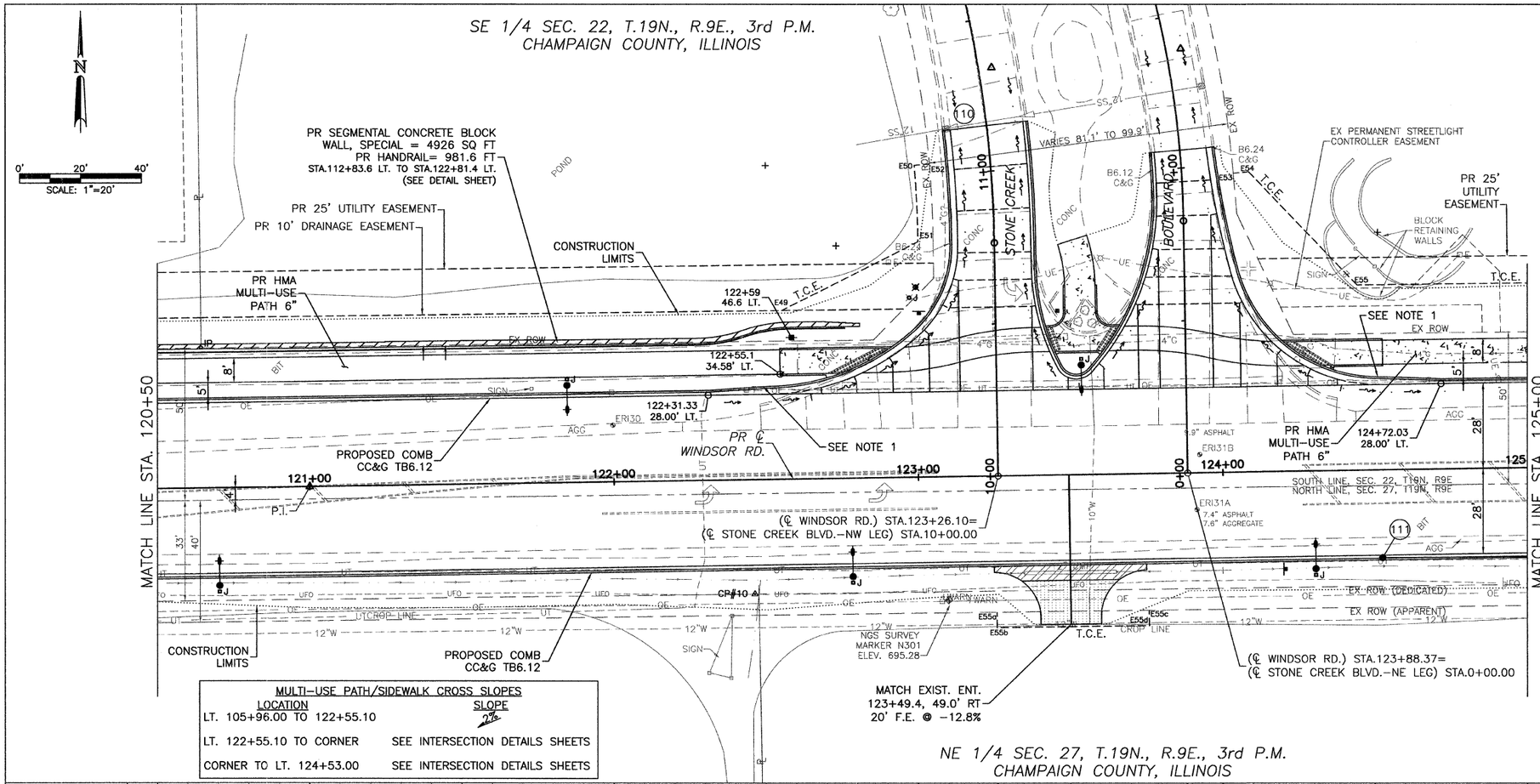
WINDSOR ROAD IMPROVEMENTS
PLAN AND PROFILES
STA 116+00 TO STA 120+50

SHEET NO. 47 OF 145

MAR 20 2009 11:04AM PP STA116+00-120+50.DWG

CONTRACT NO. 91391

SE 1/4 SEC. 22, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS



MULTI-USE PATH/SIDEWALK CROSS SLOPES

LOCATION	SLOPE
LT. 105+96.00 TO 122+55.10	2%
LT. 122+55.10 TO CORNER	SEE INTERSECTION DETAILS SHEETS
CORNER TO LT. 124+53.00	SEE INTERSECTION DETAILS SHEETS

LEGEND

- DETECTABLE WARNINGS
- PCC SIDEWALK
- PCC DRIVEWAY PAVEMENT
- AGGREGATE SURFACE COURSE, TYPE A
- INCIDENTAL HMA SURFACE
- (1) DRAINAGE STRUCTURE NO. (SEE DRAINAGE SHEETS)

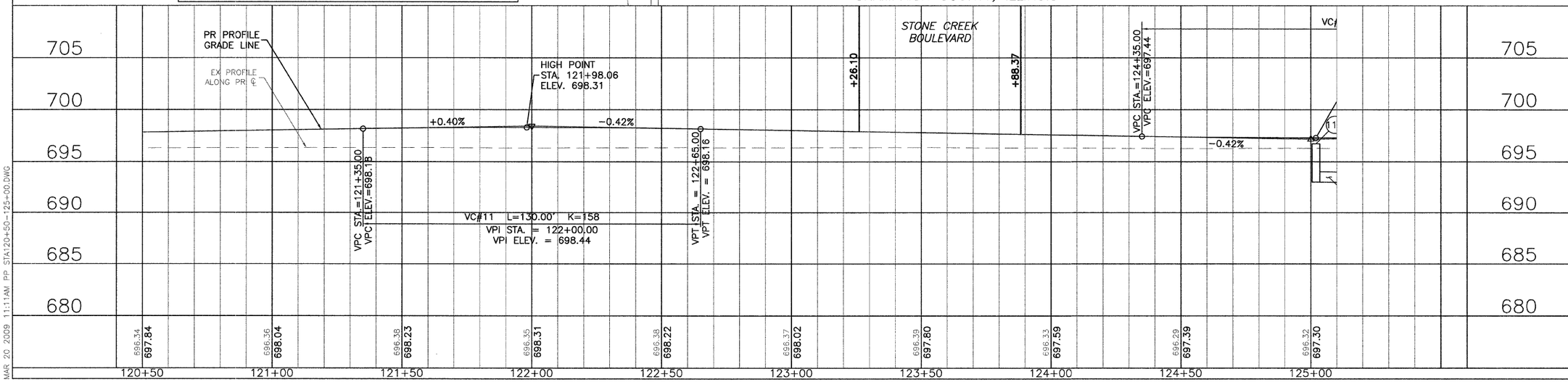
SEE INTERSECTION DETAILS FOR ADDITIONAL INFORMATION.

NOTES
1. TRANSITION CC&G B-6.12 TO CC&G B-6.24 IN 20'

TEMPORARY CONSTRUCTION EASEMENT STATIONS AND OFFSETS

POINT	STATION	OFFSET
E49	122+85.93	55.38 LT
E50	123+00.70	102.30 LT
E51	123+01.02	102.65 LT
E52	123+05.18	77.32 LT
E53	124+04.97	98.00 LT
E54	124+09.96	98.37 LT
E55	124+45.00	60.85 LT
E55a	123+25.00	44.75 RT
E55b	123+25.00	49.75 RT
E55c	123+75.00	44.92 RT
E55d	123+75.00	49.92 RT

NE 1/4 SEC. 27, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS



MAR 20 2009 11:11AM PP STA120+50-125+00.DWG

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DATED: 1/09
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CITY SECTION 00-00361-00-PV

WINDSOR ROAD IMPROVEMENTS
PLAN AND PROFILES
STA 120+50 TO STA 125+00

SHEET NO. 48 OF 145

CONTRACT NO. 91391

SEE DRAINAGE SHEETS FOR EASEMENT POINTS E57 & E60

SE 1/4 SEC. 22, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS

#3004 WINDSOR

MATCH EXIST. ENT.
126+98.4, 76.6' LT
16' C.E. @ −5.5%

CONSTRUCTION LIMITS

PROPOSED COMB CC&G TB6.12

PR DRAINAGE EASEMENT

PR HMA MULTI-USE PATH 6"

PR 25' UTILITY EASEMENT

0' 20' 40'
SCALE: 1"=20'

MATCH LINE STA. 125+00

MATCH LINE STA. 129+50

PR ℄ WINDSOR RD.

SOUTH LINE, SEC. 22, T19N, R9E
NORTH LINE, SEC. 27, T19N, R9E

125+19
46.6 LT.

127+30.7
34.58' LT.

127+79
46.6 LT.

BM#2: STA. 128+00, 25' LT. 16 P. NAIL IN N. SIDE OF POWER POLE ON N. SIDE OF WINDSOR RD. 1429.00' W. OF INTERSECTION RT. 130 & WINDSOR RD. ELEV.= 695.57

TBM #8: STA. 127+68.50, 40.50' RT. FLANGE BOLT BETWEEN THE 'E & L' IN THE WORD 'MUELLER' S. SIDE OF WINDSOR, E. OF ENTRANCE INTO STONE CREEK MAINTNENCE SHED 3004 WINDSOR ELEV.=697.00

2"x2" BOX CULVERT

CP#15

2" PLASTIC CONDUIT STICKING OUT OF GROUND

TBM#8

EX ROW (DEDICATED)

EX ROW (APPARENT)

EX ROW

EX 15' UTILITY EASEMENT

PROPOSED COMB CC&G TB6.12

CONSTRUCTION LIMITS

MATCH EXIST. ENT.
129+50, 53.5' RT
24' C.E. @ −2.5%

A&E ANIMAL HOSPITAL
#3003 WINDSOR

NE 1/4 SEC. 27, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS

MULTI-USE PATH/SIDEWALK CROSS SLOPES

LOCATION	SLOPE
LT. 124+53.00 TO 137+80.00	2%

LEGEND

- DETECTABLE WARNINGS
- PCC SIDEWALK
- PCC DRIVEWAY PAVEMENT
- AGGREGATE SURFACE COURSE, TYPE A
- INCIDENTAL HMA SURFACE
- (1) DRAINAGE STRUCTURE NO. (SEE DRAINAGE SHEETS)

TEMPORARY CONSTRUCTION EASEMENT STATIONS AND OFFSETS

POINT	STATION	OFFSET
E56	126+48.00	60.17 LT
E57	126+48.00	164.17 LT
E58	126+54.45	65.85 RT
E59	126+54.51	45.85 RT
E60	126+88.00	77.04 RT
E61	162+88.00	164.17 RT
E62	126+94.45	65.98 RT
E63	126+94.51	45.98 RT
E64	127+17.00	57.00 LT
E65	127+17.00	77.00 LT
E66	129+06.12	52.00 LT
E67	129+06.13	57.00 LT
E67a	126+65.00	44.12 LT
E67b	126+65.00	69.12 LT
E67c	126+85.00	44.05 LT
E67d	126+85.00	69.01 LT

VC#12 L=130.00' K=158
VPI STA. = 125+00.00
VPI ELEV. = 697.17

LOW POINT
STA. 125+01.94
ELEV. 697.30

VPT STA.=125+65.00
VPT ELEV.=697.43

VPC STA.=125+85.00
VPC ELEV.=697.51

HIGH POINT
STA. 126+50.00
ELEV. 697.64

PR PROFILE GRADE LINE

EX PROFILE ALONG PR ℄

VC#13 L=130.00' K=163
VPI STA. = 126+50.00
VPI ELEV. = 697.77

VPT STA. = 127+15.00
VPT ELEV. = 697.51

VPC STA.=127+35.00
VPC ELEV.=697.43

VC#14 L=130.00' K=162
VPI STA. = 128+00.00
VPI ELEV. = 697.17

LOW POINT
STA. 127+99.78
ELEV. 697.30

VPT STA.=128+65.00
VPT ELEV.=697.43

VPC STA.=128+80.00
VPC ELEV.=697.49

HIGH POINT
STA. 129+45.22
ELEV. 697.62

VC#15 L=130.00' K=162
VPI STA. = 129+45.00
VPI ELEV. = 697.75

+0.40% −0.40% +0.40% −0.40% +0.40%

12" SS

	125+00	125+50	126+00	126+50	127+00	127+50	128+00	128+50	129+00	129+50
EX GRADE	697.30	697.37	697.56	697.64	697.56	697.37	697.30	697.37	697.56	697.62
PR GRADE	696.32	696.32	696.33	696.36	696.38	696.33	696.27	696.34	696.37	696.42

710 705 700 695 690 685

JAN 09 2009 12:06PM PP STA125+00-129+50.DWG

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

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DATED: 1/09

CITY SECTION
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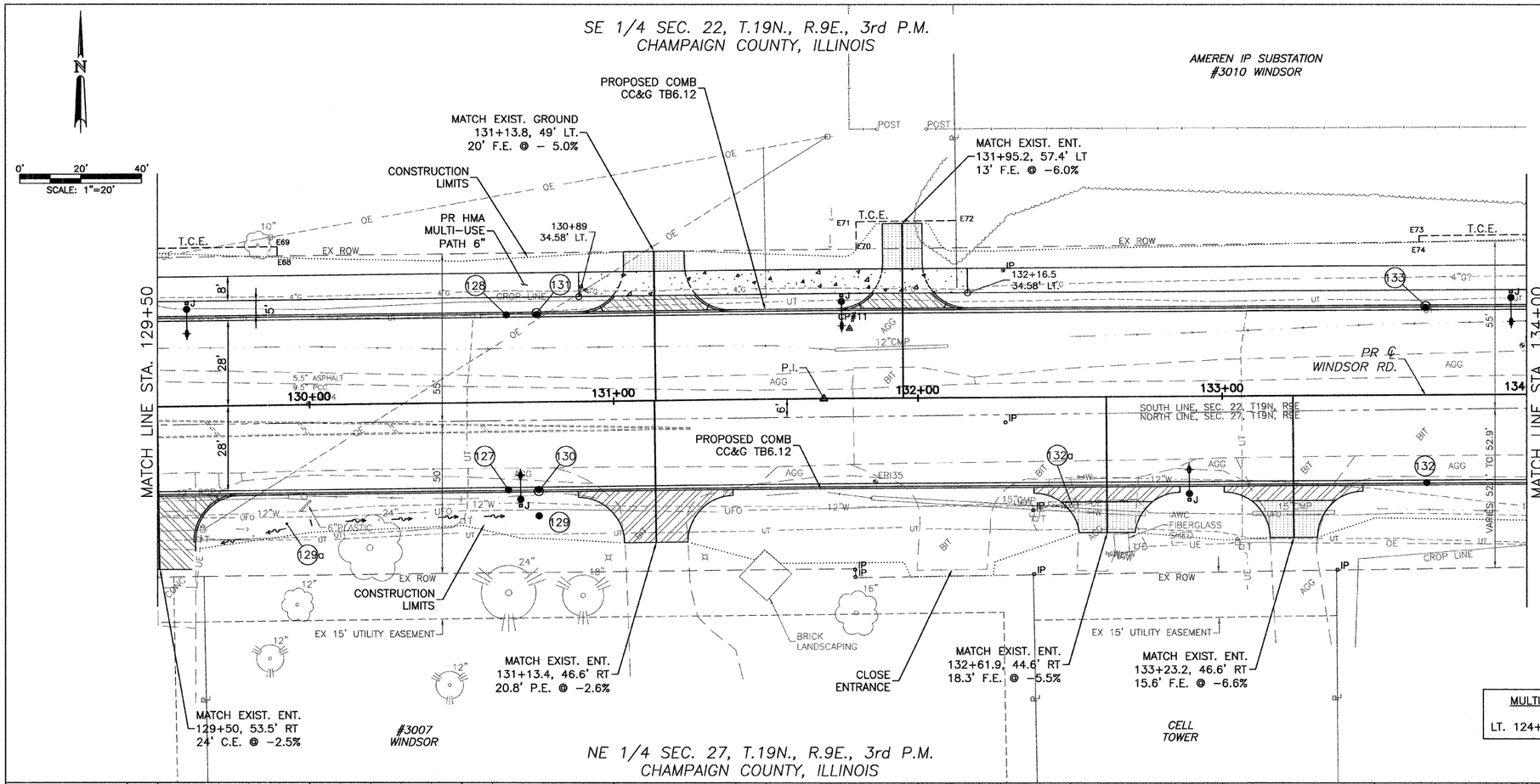
WINDSOR ROAD IMPROVEMENTS
PLAN AND PROFILES
STA 125+00 TO STA 129+50

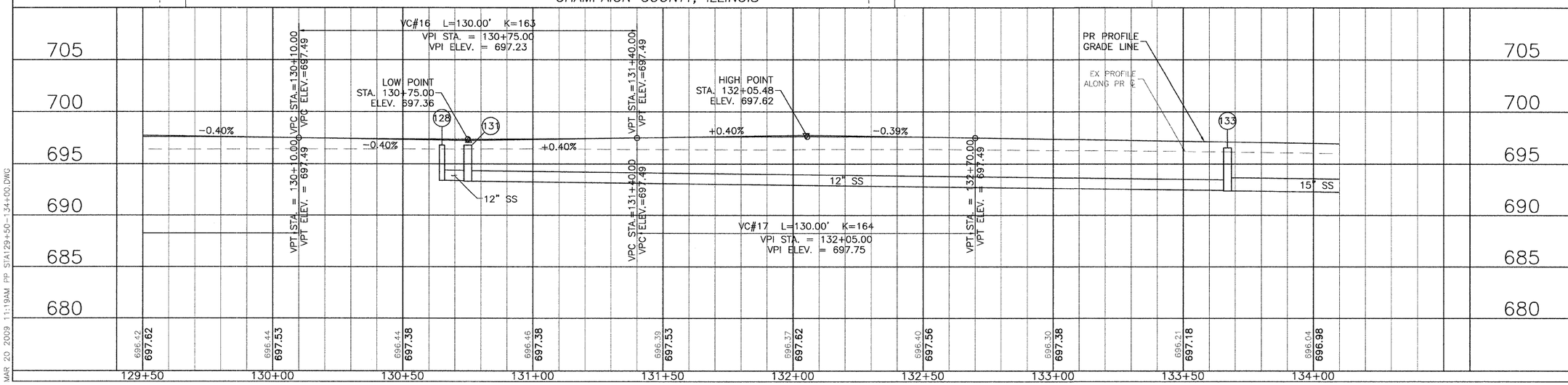
SHEET NO.
49
OF
145

CONTRACT NO. 91391

SE 1/4 SEC. 22, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS



NE 1/4 SEC. 27, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS



LEGEND

- DETECTABLE WARNINGS
- PCC SIDEWALK
- PCC DRIVEWAY PAVEMENT
- AGGREGATE SURFACE COURSE, TYPE A
- INCIDENTAL HMA SURFACE
- (1) DRAINAGE STRUCTURE NO. (SEE DRAINAGE SHEETS)

TEMPORARY CONSTRUCTION EASEMENT STATIONS AND OFFSETS

POINT	STATION	OFFSET
E68	129+90.00	49.00 LT
E69	129+90.00	52.00 LT
E70	131+80.00	49.07 LT
E71	131+80.00	58.07 LT
E72	132+12.83	58.28 LT
E73	133+65.00	50.27 LT
E74	133+65.00	52.27 LT

MULTI-USE PATH/SIDEWALK CROSS SLOPES

LOCATION	SLOPE
LT. 124+53.00 TO 137+80.00	2%

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DATED: 1/09
DESIGNED BY: CES
DRAWN BY: AJS
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CITY SECTION
00-00361-00-PV

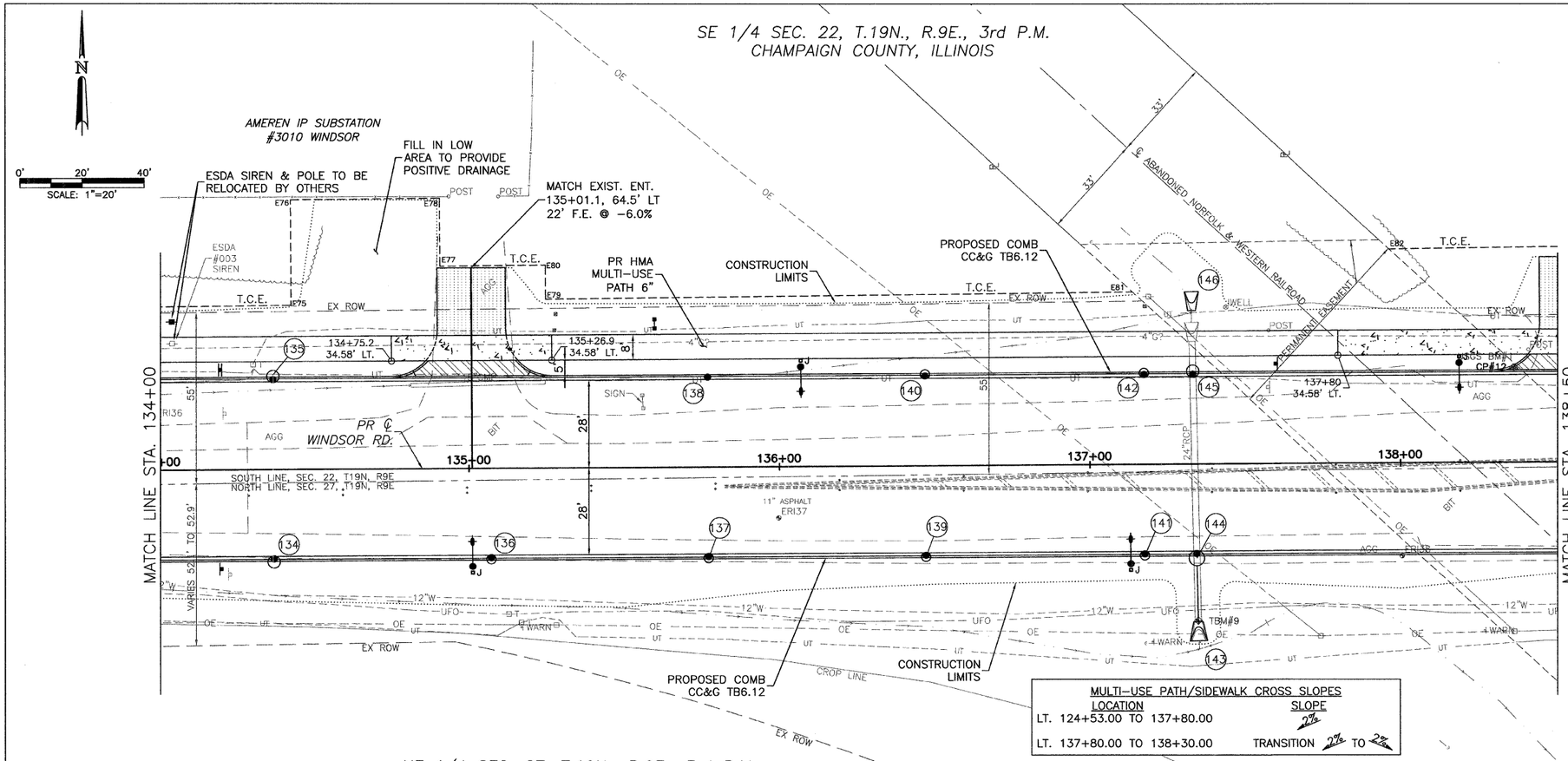
WINDSOR ROAD IMPROVEMENTS
PLAN AND PROFILES
STA 129+50 TO STA 134+00

SHEET NO. 50 OF 145

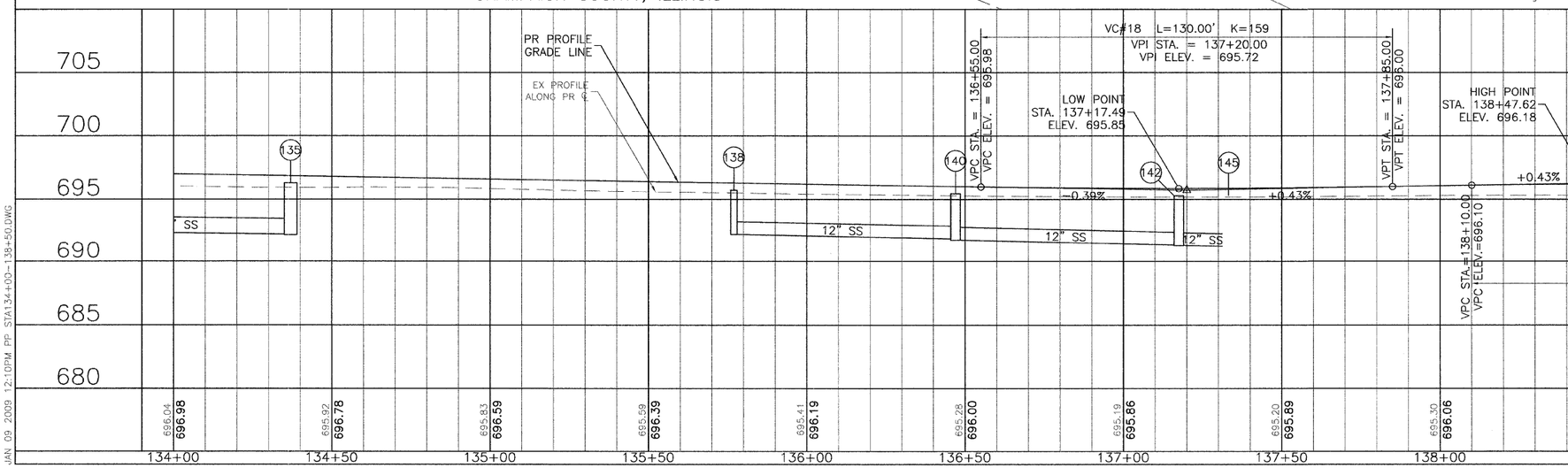
MAR 20 2009 11:19AM PP STA129+50-134+00.DWG

CONTRACT NO. 91391

SE 1/4 SEC. 22, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS



NE 1/4 SEC. 27, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS



LEGEND

- DETECTABLE WARNINGS
- PCC SIDEWALK
- PCC DRIVEWAY PAVEMENT
- AGGREGATE SURFACE COURSE, TYPE A
- INCIDENTAL HMA SURFACE
- (1) DRAINAGE STRUCTURE NO. (SEE DRAINAGE SHEETS)

U.S.G.S. BM #1: STA. 138+36.25, 30.30' LT. TABLET ON N. SIDE OF WINDSOR RD. NEAR INTERSECTION WITH RT. 130, 25' E. OF RR TRACK BED ELEV.= 693.82

TBM #9: STA. 137+34.97, 50.38' RT. BLACK MARKED SQUARE ON TOP OF F.E.S. OF THE 24' RCP ON THE SOUTH SIDE OF WINDSOR RD. ELEV.= 692.98

TEMPORARY CONSTRUCTION EASEMENT STATIONS AND OFFSETS

POINT	STATION	OFFSET
E75	134+43.00	52.77 LT
E76	134+43.00	86.77 LT
E77	134+91.00	65.08 LT
E78	134+91.00	87.08 LT
E79	135+25.00	54.30 LT
E80	135+25.00	65.30 LT
E81	137+13.99	55.52 LT
E82	137+96.67	68.86 LT

MULTI-USE PATH/SIDEWALK CROSS SLOPES

LOCATION	SLOPE
LT. 124+53.00 TO 137+80.00	2%
LT. 137+80.00 TO 138+30.00	TRANSITION 2% TO 2%

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

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CITY SECTION
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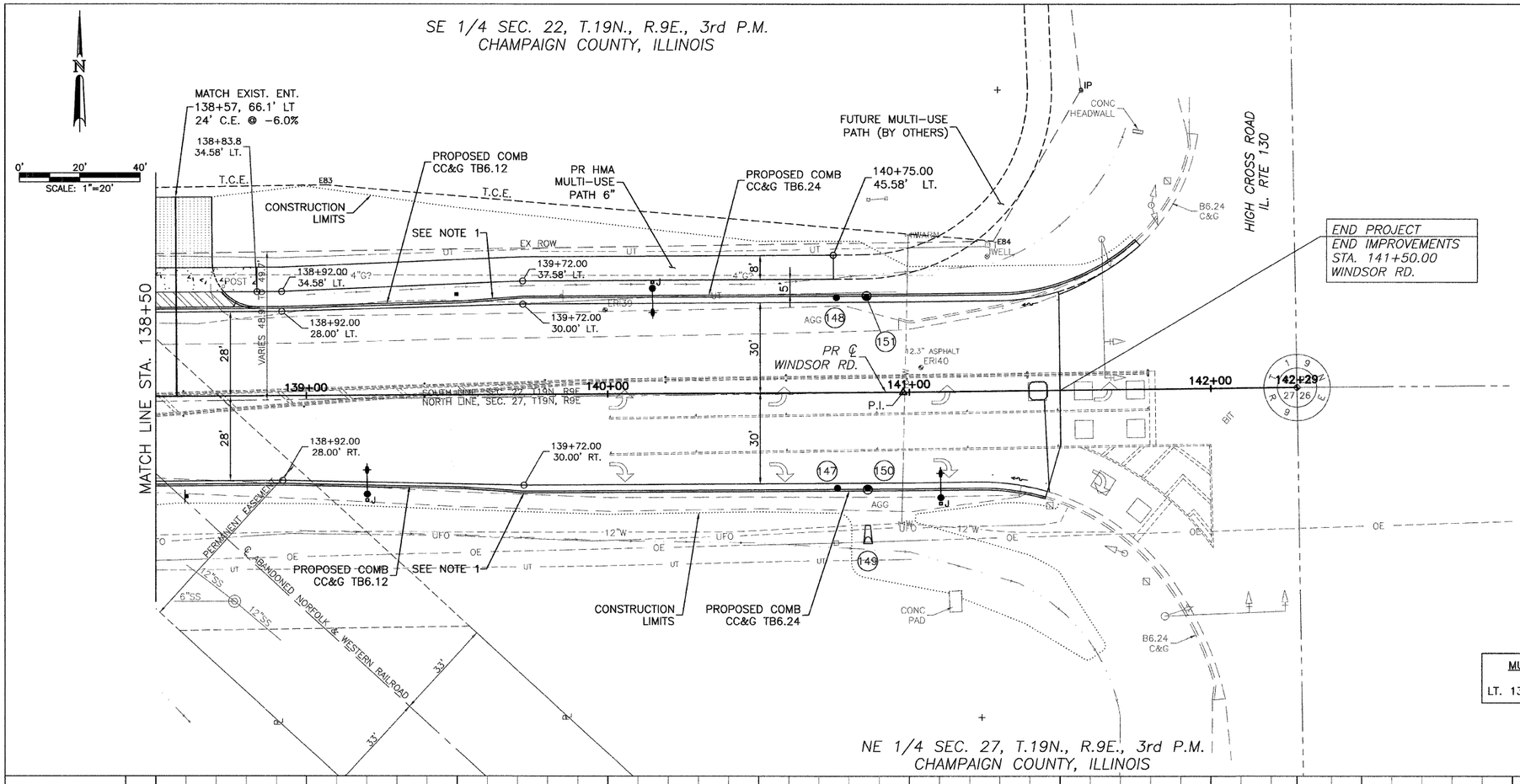
WINDSOR ROAD IMPROVEMENTS
PLAN AND PROFILES
STA 134+00 TO STA 138+50

SHEET NO. 51 OF 145

JAN 09 2009 12:10PM PP STA134+00-138+50.DWG

CONTRACT NO. 91391

SE 1/4 SEC. 22, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS



LEGEND

- DETECTABLE WARNINGS
- PCC SIDEWALK
- PCC DRIVEWAY PAVEMENT
- AGGREGATE SURFACE COURSE, TYPE A
- INCIDENTAL HMA SURFACE
- (1) DRAINAGE STRUCTURE NO. (SEE DRAINAGE SHEETS)

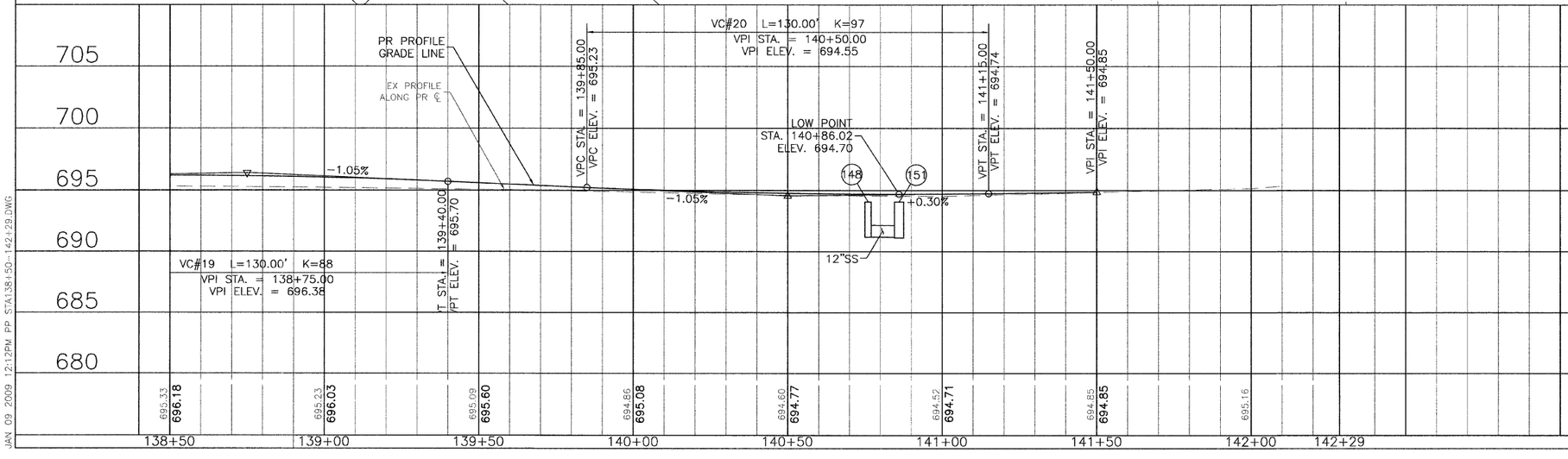
NOTES
1. TRANSITION CC&G B-6.12 TO CC&G B-6.24 IN 20'

TEMPORARY CONSTRUCTION EASEMENT STATIONS AND OFFSETS

POINT	STATION	OFFSET
E83	139+07.00	69.88 LT
E84	141+28.47	49.72 LT

MULTI-USE PATH/SIDEWALK CROSS SLOPES

LOCATION	SLOPE
LT. 138+30.00 TO 140+75.00	2%



JAN 09 2009 12:12PM PP STA138+50--142+29.DWG

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DATED: 1/09
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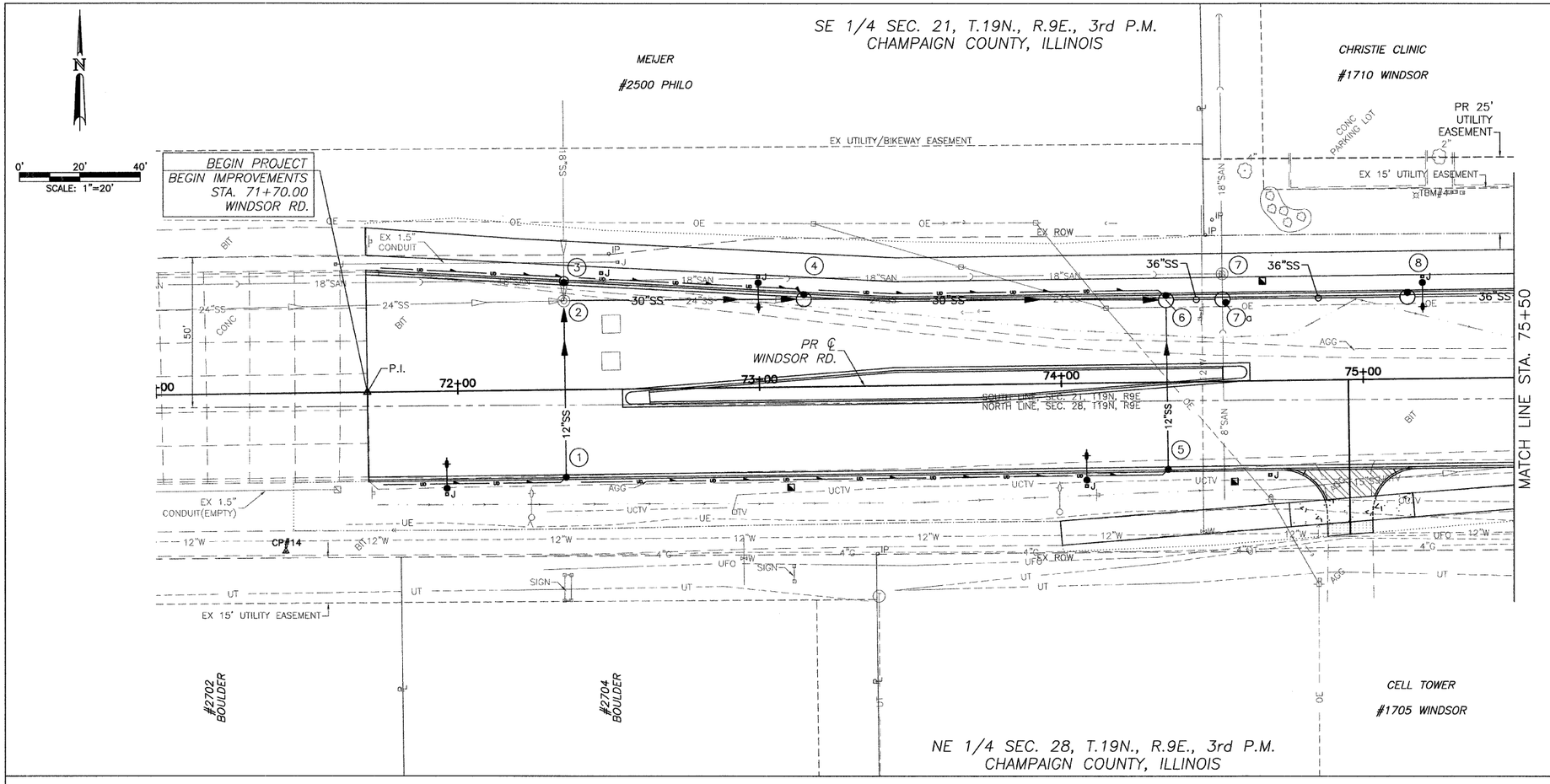
WINDSOR ROAD IMPROVEMENTS
PLAN AND PROFILES
STA 138+50 TO STA 142+29

SHEET NO.
52
OF
145

CONTRACT NO. 91391

SE 1/4 SEC. 21, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS



TBM #4: STA.75+18.35, 61.00' LT. BLACK MARKED SQUARE ON THE SOUTH SIDE OF LIGHT POLE AT THE S.W. CORNER OF CHRISTIE CLINIC PARKING LOT WEST OF MYRA RIDGE DRIVE. ELEV.= 734.25

STORM SEWER STRUCTURE SCHEDULE

	STR. NO.	STRUCTURE TYPE	OFF-SET SIDE	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	INLETS TA T11V F&G	RT	72+35.54	28.79	----	736.19	----	----	--	732.27	2
	2	MAN ADJUST	LT	72+35.54	29.64	735.82	736.16	----	732.00	1	731.48	4
									731.49	E		
									731.97	3		
*	3	RD INLET TY B T11V F&G	LT	72+35.64	36.17	----	736.05	----	732.00	E	732.00	2
	4	RD MAN 5 DIA T11V F&G	LT	73+15.00	29.18	----	735.18	----	730.19	2	730.09	6
	5	INLETS TA T11V F&G	RT	74+35.00	28.79	----	733.74	----	----	--	729.74	6
	6	RD MAN 5 DIA T11V F&G	LT	74+35.00	27.29	----	733.74	----	728.02	4	727.52	7a
									729.48	5		
**	7a	CONFLIC MAN 5D T1F CL	LT	74+53.74	27.29	----	733.54	----	727.28	6	727.18	8
									729.00	SAN		
	7	SAN MAN REC F&L	LT	74+53.76	35.82	731.74	734.08	----	728.04	W	728.04	N
									728.04	S		
	8	RD MAN 5 DIA T11V F&G	LT	75+15.00	27.29	----	732.76	----	726.17	7a	726.07	10

E=EXISTING
*BUILD MANHOLE OVER EXISTING STORM SEWER. MANHOLE INVERT IS ESTIMATED. FIELD VERIFY.
**CONFLICT MANHOLE. SEE DETAIL SHEET. SANITARY SEWER INVERT IS ESTIMATED. FIELD VERIFY. CENTER OF 2 FT. OPENING = STA. 74+54.80, LT. 26.23

STORM SEWER PIPE SCHEDULE

LOCATION STR. – STR. OR STA., O.S.	STORM SEW CL A 1 12 (FOOT)	STORM SEW CL A 1 30 (FOOT)	STORM SEW CL A 2 36 (FOOT)	SS2 WMQ 36 (FOOT)	GRADE %	TRENCH BACKFILL (CU YD)
1 – 2	55				0.50	7.7
2 – 4		75			1.73	10.4
4 – 6		115			1.80	21.6
5 – 6	53				0.50	8.0
6 – 7a				14	1.75	2.3
7a – 8			57		1.79	10.9
8 – 10			78		1.20	17.3

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DRAWN BY: AJS
CHECKED BY: GLJ
DESIGNED BY: CES
DATED: 1/09

CITY SECTION
00-00361-00-PV

WINDSOR ROAD IMPROVEMENTS
DRAINAGE PLANS
STA 71+00 TO STA 75+50

SHEET NO.
53
OF
145

JAN 09 2009 1:22PM DRAINAGE STA71+00-75+50.DWG

CONTRACT NO. 91391

SE 1/4 SEC. 21, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS

(℄ WINDSOR RD.) STA.77+47.20=
(℄ MYRA RIDGE DR.–NORTH) STA.50+00.00

CHRISTIE CLINIC
#1710 WINDSOR

CARLE CLINIC
#1818 WINDSOR

CELL TOWER
#1705 WINDSOR

#2701 MYRA RIDGE
#2702 MYRA RIDGE
#1804 SUMMIT
#1806 SUMMIT

PR ℄ WINDSOR RD.

(℄ WINDSOR RD.) STA.77+49.10=
(℄ MYRA RIDGE DR.–SOUTH) STA.50+00.00

MYRA RIDGE DRIVE

MONOLITHIC MOUNTABLE CURB

MATCH LINE STA. 75+50

MATCH LINE STA. 80+00

SOUTH LINE, SEC. 21, T19N, R9E
NORTH LINE, SEC. 28, T19N, R9E

NE 1/4 SEC. 28, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS

0' 20' 40'
SCALE: 1"=20'

*EX PERMANENT EASEMENTS TO CITY OF URBANA FOR SIDEWALK, TRAFFIC SIGNALS & APPURTENANCES AND UTILITY COMPANIES

BM #103: STA.77+21.50, 23.20' LT. RR SPIKE IN FIRST POWER POLE WEST OF MYRA RIDGE DR. & WINDSOR RD. ELEV.= 730.87

BM–FH: STA. 77+79.00, 61.50' LT. N.E. BOLT OF FIRE HYDRANT ON THE N.E. CORNER OF MYRA RIDGE DR. & WINDSOR RD. ELEV.= 729.69

SEE NEXT SHEET FOR STORM SEWER STRUCTURE AND PIPE SCHEDULES

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DRAWN BY: AJS
CHECKED BY: GLJ
DATED: 1/09
DESIGNED BY: CES
CITY SECTION
00-00361-00-PV

WINDSOR ROAD IMPROVEMENTS
DRAINAGE PLANS
STA 75+50 TO STA 80+00

SHEET NO.
54
OF
145

JAN 09 2009 1:23PM DRAINAGE STA75+50-80+00.DWG

CONTRACT NO. 91391

DRAINAGE SCHEDULES FROM STA 75+50 TO STA 80+00

STORM SEWER STRUCTURE SCHEDULE

	STR. NO.	STRUCTURE TYPE	OFF-SET SIDE	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.
*	9	MAN RECON NEW T11V F&G	RT	75+97.1	28.29	730.33	731.75	----	724.33	E	724.28	11
	10	RD MAN 5 DIA T11V F&G	LT	75+97.10	27.29	----	731.75	----	725.16	8	725.06	13
	11	REMOVE INLET	RT	76+46.4	28.4	729.24	----	----	724.25	E	724.25	E
	12	RD MAN 4 DIA T11V F&G	RT	76+83.00	29.79	----	730.69	----	723.88	9	723.78	21
	13	RD MAN 5 DIA T11V F&G	LT	76+83.00	27.29	----	730.69	----	724.10	10	724.00	15
	14	REMOVE INLET	RT	77+06.2	30.2	729.02	----	----	724.12	E	724.12	E
	15	RD MAN 6 DIA T1F CL	LT	77+19.03	27.21	----	730.31	----	723.51	13	723.01	24
									723.11	16		
	16	REMOVE INLET	LT	50+71.5	27.6	727.77	----	----	----	--	723.82	E
**	17	MAN ADJ NEW T11F&G	LT	50+78.60	27.79	727.64	728.33	----	723.65	W	723.45	15
									723.45	N		
									724.46	19		
***	18	RD INLET TY B T11 F&G	LT	51+04.21	27.86	----	727.96	----	723.65	E	723.65	17
	19a	REMOVE INLET	RT	50+78.7	13.8	----	727.86	----	722.92	W	723.77	EAST
											722.87	S
	19	RD INLET TY B T11 F&G	RT	50+78.72	13.79	----	728.58	----	725.08	20	724.85	17
	20	INLETS TA T11 F&G	RT	51+03.72	13.29	----	728.34	----	----	--	725.28	19
	21	MAN ADJUST	RT	77+74.1	30.6	728.50	729.50	----	723.46	12	723.38	23
									723.65	E		
	22	INLETS TA T8G	RT	79+15.00	48.96	----	726.15	----	----	--	726.15	23
	23	RD MAN 5 DIA T11V F&G	RT	79+15.00	27.29	----	727.84	----	722.37	21	722.27	28
									722.97	22		
	24	RD MAN 6 DIA T11V F&G	LT	79+15.00	26.79	----	727.84	----	721.53	15	721.43	29
									722.26	25		
	25	INLETS TA T8G	LT	79+00.00	61.72	----	725.60	----	----	--	722.60	24

D=DITCH
E=EXISTING
*ROTATE EXISTING FLAT SLAB TOP TO ALIGN OPENING WITH PROP. CC&G. CENTER OF 2 FT. OPENING = STA. 75+97.10, 27.89 FT. RT. BLOCKUP AND MORTAR HOLE FROM REMOVED 15 INCH PIPE.
**REMOVE DEBRIS FROM BOTTOM OF INLET.
***BUILD INLET OVER EXISTING STORM SEWER. MANHOLE INVERT IS ESTIMATED. FIELD VERIFY. CENTER OF 2 FT. OPENING = STA. 51+03.72, 27.79 FT. LT.

STORM SEWER PIPE SCHEDULE

LOCATION STR. – STR. OR STA., O.S.	STORM SEW CL A 1 12 (FOOT)	STORM SEW CL A 1 15 (FOOT)	STORM SEW CL A 1 24 (FOOT)	STORM SEW CL A 1 30 (FOOT)	STORM SEW CL A 1 42 (FOOT)	STORM SEW CL A 2 21 (FOOT)	STORM SEW CL A 2 36 (FOOT)	SS1 WMQ 12 (FOOT)	GRADE %	TRENCH BACKFILL (CU YD)
9 – 12						81			0.50	31.0
12 – 21						87			0.37	61.7
21 – 23				136					0.74	17.8
22 – 23	19								1.00	2.2
23 – 28				174					0.62	8.2
10 – 13							82		1.18	18.2
13 – 15							31		1.61	7.5
15 – 17			47						0.73	35.2
17 – 19		39							1.00	8.7
19 – 20								23	1.00	3.9
15 – 24					190				0.78	48.8
24 – 25	34								1.00	5.1
24 – 29					173				0.88	52.2

DRAINAGE SCHEDULES FROM STA 80+00 TO STA 84+50

STORM SEWER STRUCTURE SCHEDULE

	STR. NO.	STRUCTURE TYPE	OFF-SET SIDE	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.
	26	MAN ADJ NEW T1F CL	RT	80+19.2	41.1	724.84	726.30	----	719.43	SW	719.35	NE
	27	INLETS TA T37M G	RT	80+93.71	43.29	----	725.61	----	----	--	722.61	28
	28	RD MAN 5 DIA T11 F&G	RT	80+93.71	27.29	----	726.22	----	721.19	23	721.09	30
									722.49	27		
	29	RD MAN 6 DIA T11 F&G	LT	80+93.71	26.79	----	726.22	----	719.91	24	719.81	31
	30	RD MAN 6 DIA T11 F&G	RT	81+33.25	26.79	----	726.16	----	720.99	28	720.49	31
									721.20	35		
	31	RD MAN 7 DIA T11 F&G	LT	81+33.25	31.29	----	726.16	----	719.71	29	719.61	33
									720.21	30		
	32	REMOVE INLET	LT	81+38.1	21.8	721.83	----	----	----	--	719.59	E
*	32a	INLETS TA T37M G	LT	82+60.00	86.50	----	718.30	----	716.24	32	716.24	E
**	33	PRC FLAR END SEC 48	LT	81+96.03	67.09	----	----	----	----	--	719.40	D
		GRATING-C FL END S 48										
	34	SAN MAN REC F&L	LT	81+60.6	28.8	722.27	726.22	----	711.70	S	711.58	NE
	35	RD MAN 4 DIA T11 F&G	RT	82+17.00	29.79	----	726.42	----	721.54	36	721.44	30
	36	RD MAN 4 DIA T11V F&G	RT	82+80.00	29.79	----	726.97	----	722.69	37	721.99	35
									722.19	38		
	37	INLETS TA T11V F&G	LT	82+80.00	28.79	----	726.97	----	----	--	722.97	36
	38	RD MAN 4 DIA T11V F&G	RT	83+70.00	29.79	----	728.37	----	723.99	39	723.39	36
									723.49	40		
	39	INLETS TA T11V F&G	LT	83+70.00	28.79	----	728.27	----	----	--	724.27	38
	40	RD MAN 4 DIA T11V F&G	RT	83+85.00	29.79	----	728.54	----	724.02	41	723.82	40

D=DITCH
E=EXISTING
*BUILD INLET OVER EXISTING STORM SEWER. INLET INVERT IS ESTIMATED. FIELD VERIFY.
**STATION, OFFSET AND INVERT TO END OF END SECTION.

STORM SEWER PIPE SCHEDULE

LOCATION STR. – STR. OR STA., O.S.	STORM SEW CL A 1 12 (FOOT)	STORM SEW CL A 1 15 (FOOT)	STORM SEW CL A 1 18 (FOOT)	STORM SEW CL A 1 21 (FOOT)	STORM SEW CL A 1 30 (FOOT)	STORM SEW CL A 1 36 (FOOT)	STORM SEW CL A 1 42 (FOOT)	STORM SEW CL A 1 48 (FOOT)	STORM SEW CL A 2 18 (FOOT)	GRADE %	TRENCH BACKFILL (CU YD)
27 – 28	13									1.00	2.2
28 – 30					34					0.30	0.7
29 – 31							33			0.30	10.7
30 – 31						52				0.54	13.2
31 – 33								61		0.30	9.0
30 – 35				79						0.30	6.7
35 – 36				59						0.76	4.7
36 – 37		56								0.50	8.0
36 – 38									79	1.40	10.6
38 – 39	56									0.50	8.4
38 – 40									11	3.00	2.1
40 – 41			61							2.79	4.4

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DRAWN BY: AJS
CHECKED BY: GLJ
DATED: 1/09
DESIGNED BY: CES
CITY SECTION
00-00361-00-PV

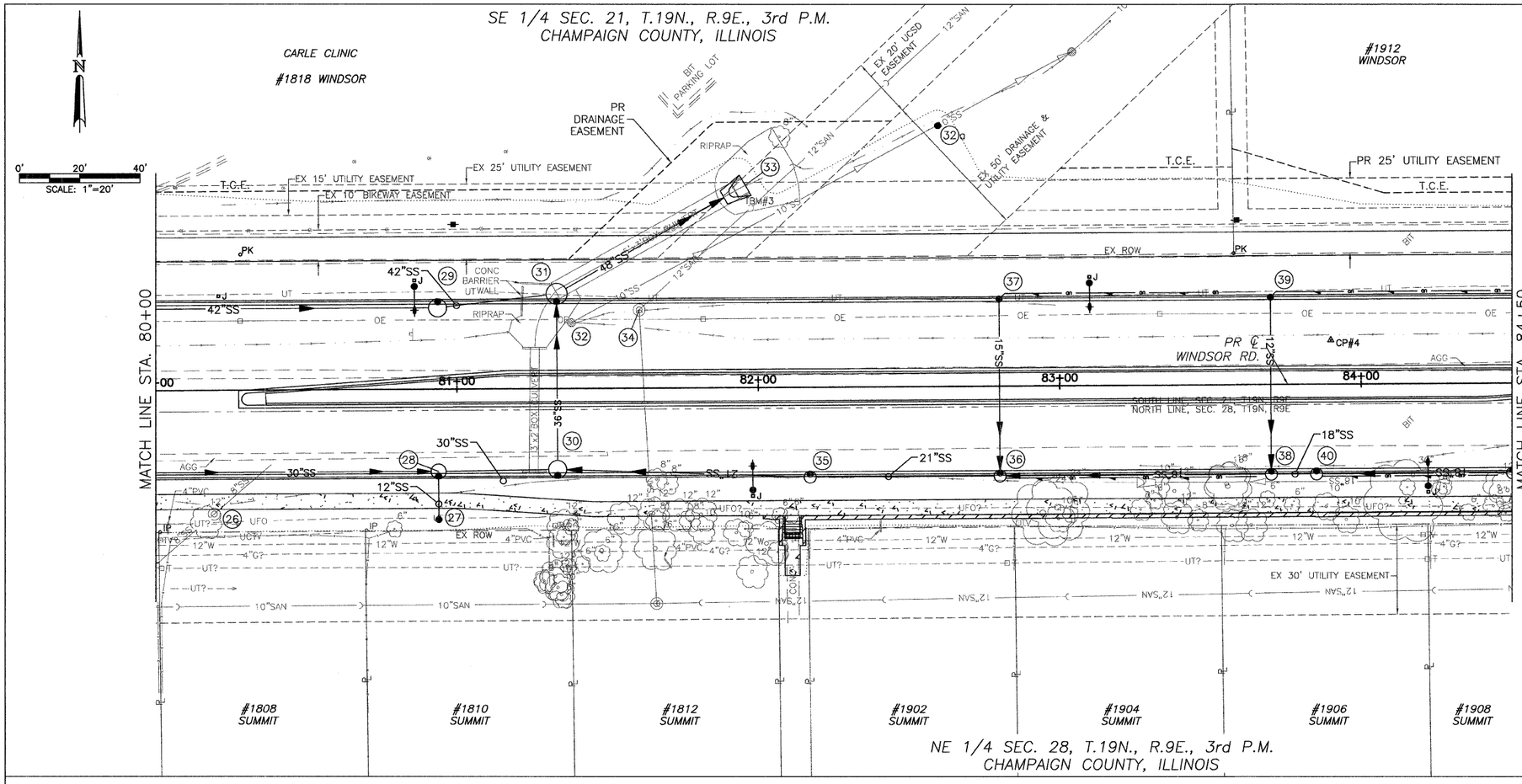
WINDSOR ROAD IMPROVEMENTS
DRAINAGE PLANS
STA 75+50 TO 84+50

SHEET NO.
55
OF
145

JAN 09 2009 1:23PM DRAINAGE STA75+50-84+50.DWG

CONTRACT NO. 91391

SE 1/4 SEC. 21, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS



TBM #3: STA. 81+97.00, 64.50' LT. S.E. CORNER OF BOX CULVERT, N. SIDE OF BIKE PATH N. OF WINDSOR ROAD BETWEEN MYRA RIDGE DR. & SUSAN STONE DR. ELEV.= 723.42

SEE PREVIOUS SHEET FOR STORM SEWER STRUCTURE AND PIPE SCHEDULES

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DRAWN BY: AJS
CHECKED BY: GLJ
DESIGNED BY: CES
DATED: 1/09

CITY SECTION
00-00361-00-PV

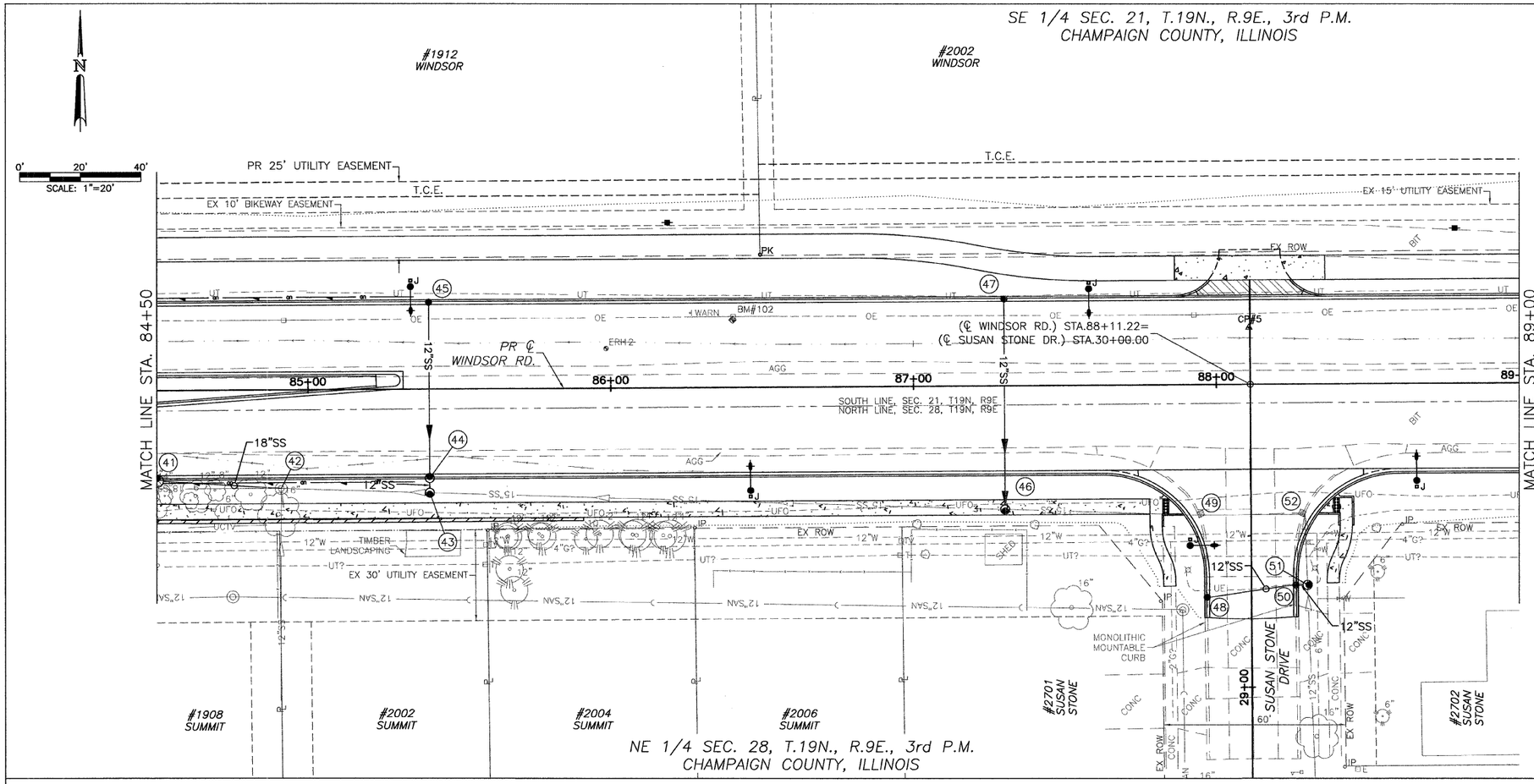
WINDSOR ROAD IMPROVEMENTS
DRAINAGE PLANS
STA 80+00 TO STA 84+50

SHEET NO.
56
OF
145

JAN 09 2009 1:23PM DRAINAGE STA80+00-84+50.DWG

CONTRACT NO. 91391

SE 1/4 SEC. 21, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS



BM #102: STA. 86+40, 22.00' LT. RR SPIKE IN SECOND POWER POLE WEST OF INTERSECTION OF SUSAN STONE DR. & WINDSOR RD. ELEV.= 734.34

TBM #5: STA. 87+79.15, 186.05' RT. TOP CENTER NUT OF FIRE HYDRANT AT N.W. CORNER OF SUSAN STONE DR. & SUMMIT DR. ELEV.= 737.53

STORM SEWER STRUCTURE SCHEDULE

	STR. NO.	STRUCTURE TYPE	OFF-SET SIDE	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.
	41	RD MAN 4 DIA T11V F&G	RT	84+50.00	29.79	----	729.70	----	725.92	42	725.72	40
*	42	MAN ADJ NEW T1F CL	RT	84+90.9	32.5	----	731.43	----	727.14	43	727.14	41
									727.34	S		
**	43	RD INLET TY B T1 F&CL	RT	85+40.00	34.17	----	732.51	----	727.42	46	727.42	42
									727.52	44		
	44	RD INLET TY B T11V F&G	RT	85+40.00	29.29	----	731.27	----	727.63	45	727.53	43
	45	INLETS TA T11V F&G	LT	85+40.00	28.79	----	731.27	----	----	--	727.91	44
**	46	RD INLET TY B T1 F&CL	RT	87+30.00	40.79	----	733.93	----	728.69	47	728.51	43
									728.51	49		
	47	INLETS TA T11V F&G	LT	87+30.00	28.79	----	733.03	----	----	--	729.03	46
	48	INLETS TA T11 F&G	LT	29+29.94	14.66	----	732.26	----	----	--	729.69	50
***	49	MAN ADJ NEW T1F CL	LT	29+57.0	17.6	731.97	732.71	----	729.11	52	728.88	46
	50	INLETS TA T11 F&G	RT	29+33.74	14.66	----	732.53	----	729.55	48	729.45	51
**	51	RD INLET TY B T11 F&G	RT	29+33.74	18.52	----	732.95	----	729.44	50	729.34	52
									729.34	S		
	52	MAN ADJ NEW T1F CL	RT	29+57.0	17.7	732.10	732.87	----	729.00	51	728.90	49

E=EXISTING
*POUR INVERT IN BOTTOM OF MANHOLE.
**BUILD INLET OVER EXISTING STORM SEWER. MANHOLE INVERT IS ESTIMATED. FIELD VERIFY.
***POUR INVERT IN BOTTOM OF MANHOLE. REMOVE BRICK ADJUSTING RINGS DURING MANHOLE ADJUSTMENT.

STORM SEWER PIPE SCHEDULE

LOCATION STR. – STR. OR STA., O.S.	STORM SEW CL A 12 (FOOT)	STORM SEW CL A 18 (FOOT)	GRADE %	TRENCH BACKFILL (CU YD)
41 – 42		39	3.13	4.5
43 – 44	2		0.50	0.3
44 – 45	56		0.50	4.6
46 – 47	68		0.50	13.7
48 – 50	28		0.50	3.2
50 – 51	2		1.00	0.4

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DATED: 1/09 | DESIGNED BY: CES | DRAWN BY: AJS | CHECKED BY: GLJ

CITY SECTION
00-00361-00-PV

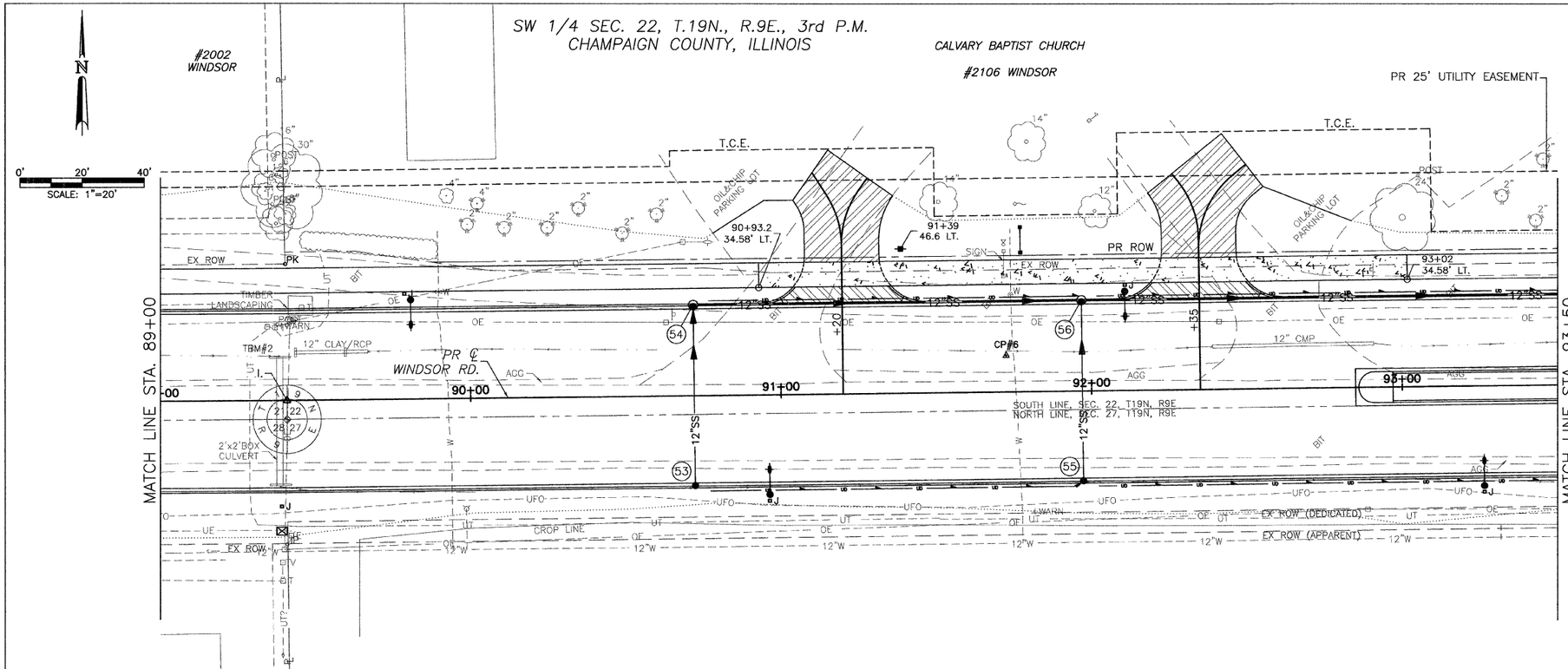
WINDSOR ROAD IMPROVEMENTS
DRAINAGE PLANS
STA 84+50 TO STA 89+00

SHEET NO. 57 OF 145

JAN 09 2009 1:24PM DRAINAGE_STA84+50-89+00.DWG

CONTRACT NO. 91391

SW 1/4 SEC. 22, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS



TBM #2: STA. 89+38.70, 14.00' LT. CHISELED SQUARE ON CONCRETE HEADWALL ON N. SIDE OF WINDSOR RD. EAST OF SUSAN STONE DR. W. OF WEST MOST ENTRANCE TO CALVARY BAPTIST CHURCH ELEV.= 732.02

NW 1/4 SEC. 27, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS

STORM SEWER STRUCTURE SCHEDULE

STR. NO.	STRUCTURE TYPE	OFF-SET SIDE	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.
53	INLETS TA T11 F&G	RT	90+72.00	28.79	----	732.93	----	----	--	728.93	54
54	RD INLET TY B T11 F&G	LT	90+72.00	29.29	----	732.93	731.43	728.65	53	728.45	56
55	INLETS TA T11V F&G	RT	91+97.00	28.79	----	731.80	----	----	--	727.80	56
56	RD INLET TY B T11V F&G	LT	91+97.00	29.29	----	731.80	730.30	727.52	54	727.32	58
								727.52	55		

STORM SEWER PIPE SCHEDULE

LOCATION STR. – STR. OR STA., O.S.	STORM SEW CL A 1 12 (FOOT)	STORM SEW CLA 2 12 (FOOT)	GRADE %	TRENCH BACKFILL (CU YD)
53 – 54	56		0.50	8.4
54 – 56		122	0.76	21.4
55 – 56	56		0.50	8.4
56 – 58		247	2.21	43.2

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DRAWN BY: AJS
CHECKED BY: GLJ
DESIGNED BY: CES
DATED: 1/09

CITY SECTION
00-00361-00-PV

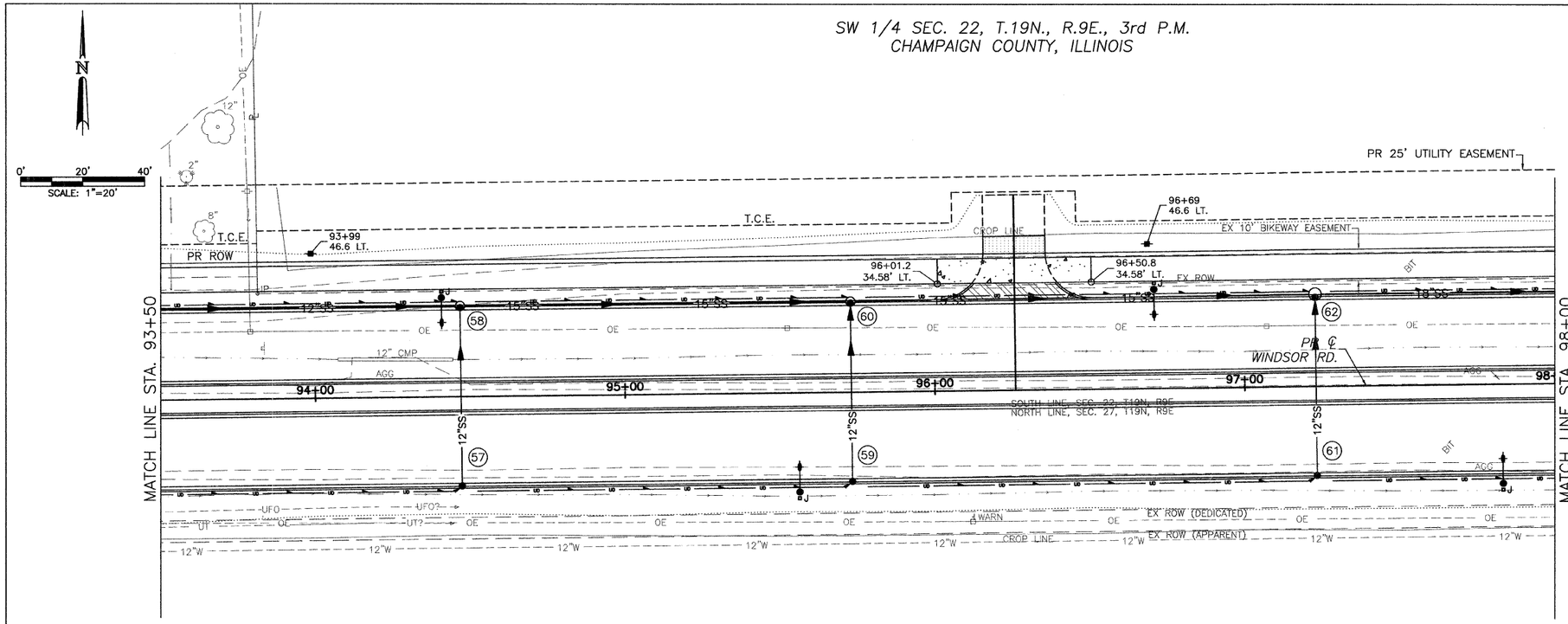
WINDSOR ROAD IMPROVEMENTS
DRAINAGE PLANS
STA 89+00 TO STA 93+50

SHEET NO.
58
OF
145

JAN 09 2009 1:24PM DRAINAGE STA89+00-93+50.DWG

SW 1/4 SEC. 22, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS

CONTRACT NO. 91391



EX UNDERGROUND TELEPHONE NOT SHOWN FROM STA. 94+00 TO STA. 114+00

NW 1/4 SEC. 27, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS

STORM SEWER STRUCTURE SCHEDULE

STR. NO.	STRUCTURE TYPE	OFF-SET SIDE	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.
57	INLETS TA T11V F&G	RT	94+47.00	28.79	----	726.14	----	----	--	722.14	58
58	RD INLET TY B T11V F&G	LT	94+47.00	29.29	----	726.14	724.64	721.86	56	721.66	60
								721.86	57		
59	INLETS TA T11V F&G	RT	95+73.00	28.79	----	723.11	----	----	--	719.11	60
60	RD INLET TY B T11V F&G	LT	95+73.00	29.29	----	723.11	721.61	718.83	58	718.63	62
								718.83	59		
61	INLETS TA T11V F&G	RT	97+23.00	28.79	----	720.25	----	----	--	716.25	62
62	RD MAN 4 DIA T11V F&G	LT	97+23.00	29.79	----	723.11	721.61	715.77	60	715.57	64
								715.97	61		

STORM SEWER PIPE SCHEDULE

LOCATION STR. – STR. OR STA., O.S.	STORM SEW CL A 1 12 (FOOT)	STORM SEW CL A 1 15 (FOOT)	STORM SEW CL A 1 18 (FOOT)	STORM SEW CL A 2 15 (FOOT)	GRADE %	TRENCH BACKFILL (CU YD)
57 – 58	56				0.50	8.4
58 – 60		123			2.30	20.9
59 – 60	56				0.50	8.4
60 – 62				147	2.09	26.6
61 – 62	56				0.50	8.4
62 – 64			96		1.23	17.6

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DRAWN BY: AJS
CHECKED BY: GLJ
DESIGNED BY: CES
DATED: 1/09
CITY SECTION
00-00361-00-PV

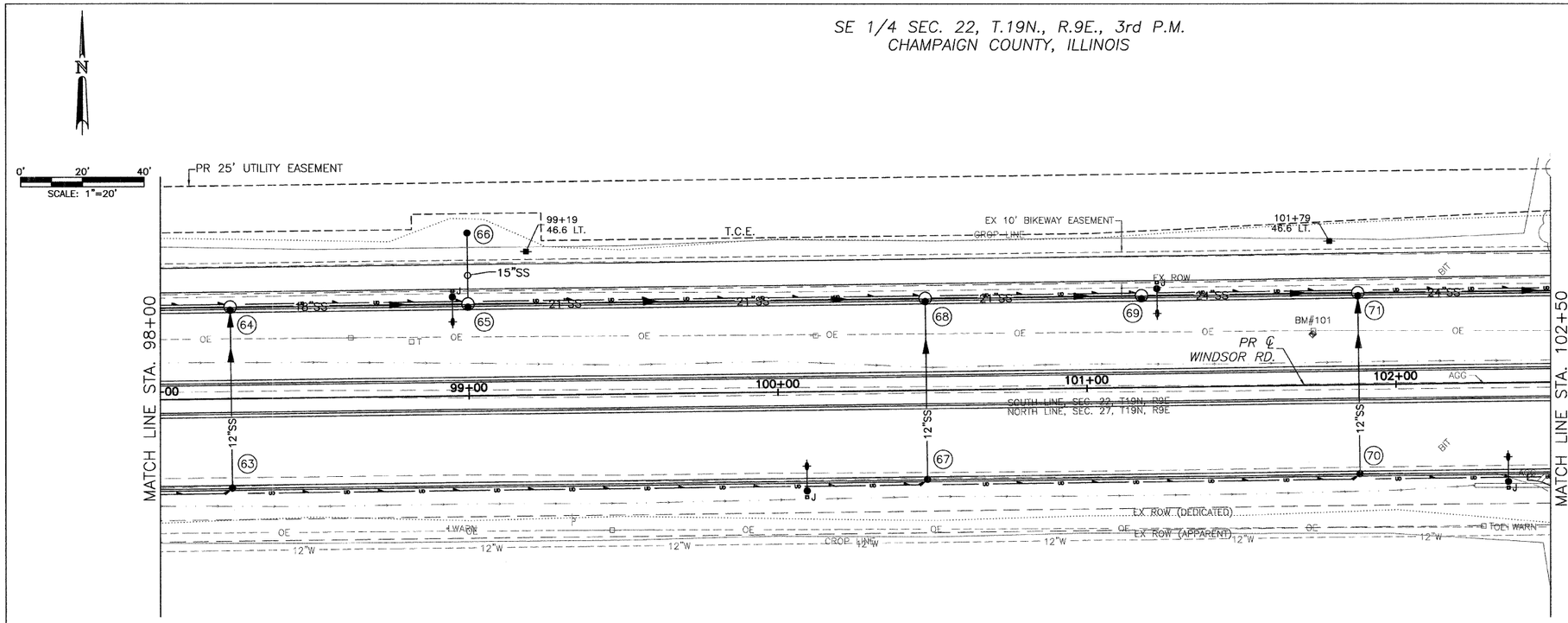
WINDSOR ROAD IMPROVEMENTS
DRAINAGE PLANS
STA 93+50 TO STA 98+00

SHEET NO.
59
OF
145

MAR 20 2009 11:25AM DRAINAGE STA93+50-93+00.DWG

CONTRACT NO. 91391

SE 1/4 SEC. 22, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS



BM #101: STA. 101+73.00,
16.50' LT. RR SPIKE IN
FOURTEENTH POWER POLE WEST
OF STONE CREEK BLVD.
ELEV.= 718.41

EX UNDERGROUND TELEPHONE NOT SHOWN
FROM STA. 94+00 TO STA. 114+00

NW 1/4 SEC. 27, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS

STORM SEWER STRUCTURE SCHEDULE

STR. NO.	STRUCTURE TYPE	OFF-SET SIDE	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.
63	INLETS TA T11V F&G	RT	98+23.00	28.79	----	718.87	----	----	--	714.87	64
64	RD MAN 4 DIA T11V F&G	LT	98+23.00	29.79	----	718.87	717.37	714.39	62	714.19	65
								714.59	63		
65	RD MAN 4 DIA T11V F&G	LT	99+00.00	29.79	----	718.09	716.59	713.61	64	713.41	68
								714.09	66		
66	INLETS TA T37G	LT	99+00.00	52.73	----	717.41	----	----	--	714.29	65
67	INLETS TA T11V F&G	RT	100+48.00	28.79	----	716.70	----	----	--	712.70	68
68	RD MAN 4 DIA T11V F&G	LT	100+48.00	29.79	----	716.70	715.20	712.02	65	711.82	69
								712.42	67		
69	RD MAN 4 DIA T11V F&G	LT	101+18.00	29.79	----	716.04	714.54	711.36	68	711.16	71
70	INLETS TA T11V F&G	RT	101+88.00	28.79	----	715.38	----	----	--	711.38	71
71	RD MAN 4 DIA T11V F&G	LT	101+88.00	29.79	----	715.38	713.88	710.40	69	710.20	72
								711.10	70		

STORM SEWER PIPE SCHEDULE

LOCATION STR. – STR. OR STA., O.S.	STORM SEW CL A 1 12 (FOOT)	STORM SEW CL A 1 15 (FOOT)	STORM SEW CL A 1 18 (FOOT)	STORM SEW CL A 1 21 (FOOT)	STORM SEW CL A 1 24 (FOOT)	GRADE %	TRENCH BACKFILL (CU YD)
63 – 64	56					0.50	8.4
64 – 65			73			0.79	13.4
66 – 65		20				1.00	3.4
65 – 68				144		0.97	26.4
67 – 68	56					0.50	8.4
68 – 69				66		0.70	12.9
69 – 71					66	1.15	13.3
70 – 71	56					0.50	8.4
71 – 72					76	0.75	16.9

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DATED: 1/09
DESIGNED BY: CES
DRAWN BY: AJS
CHECKED BY: GLJ
CITY SECTION
00-00361-00-PV

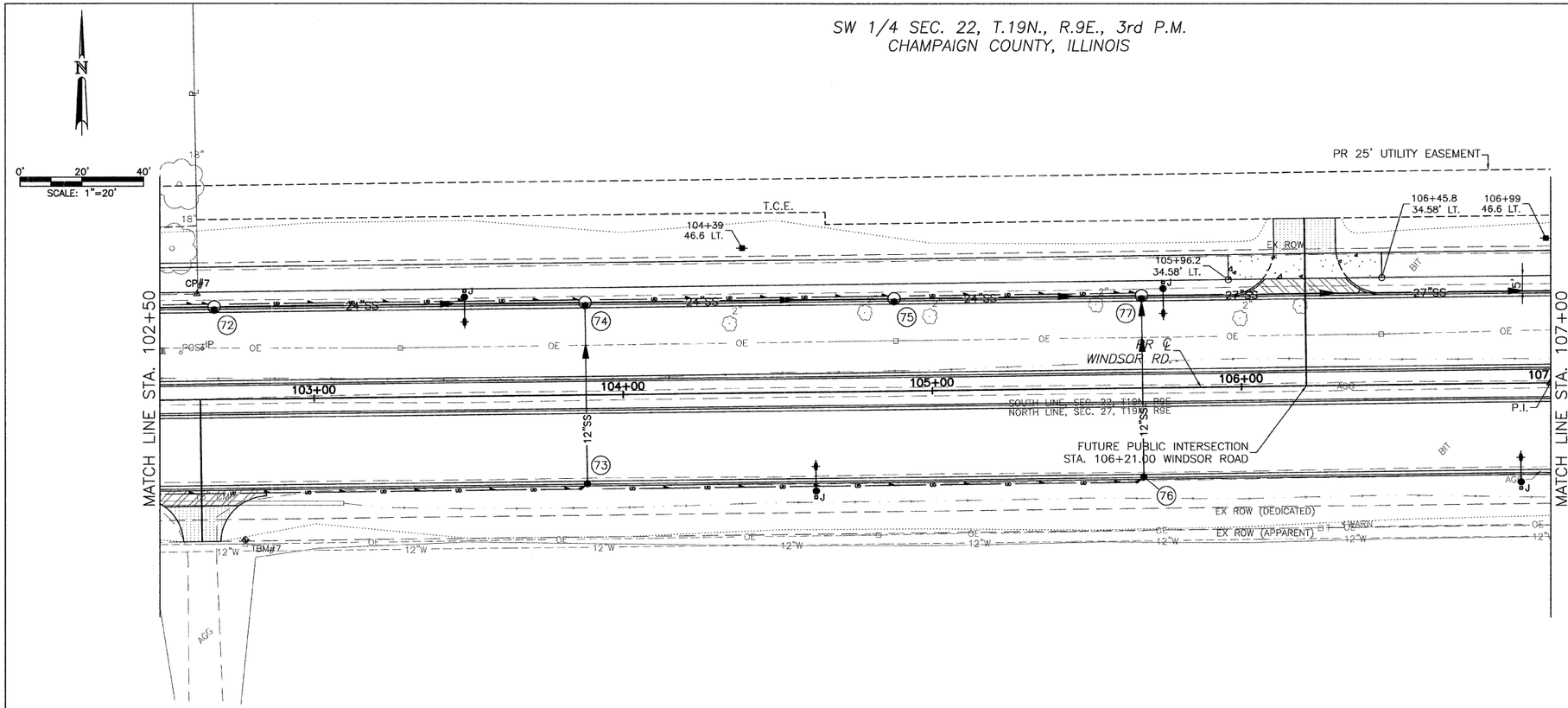
WINDSOR ROAD IMPROVEMENTS
DRAINAGE PLANS
STA 98+00 TO STA 102+50

SHEET NO.
60
OF
145

JAN 09 2009 1:25PM DRAINAGE STA98+00-102+50.DWG

SW 1/4 SEC. 22, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS

CONTRACT NO. 91391



EX UNDERGROUND TELEPHONE NOT SHOWN FROM STA. 94+00 TO STA. 114+00

TBM #7: STA. 102+78.20 46.00' RT. P.K. NAIL IN N. FACE OF POWER POLE ON THE S. SIDE WINDSOR RD. FIFTH POLE E. OF SUSAN STONE DR. ELEV.=716.16

NW 1/4 SEC. 27, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS

STORM SEWER STRUCTURE SCHEDULE

STR. NO.	STRUCTURE TYPE	OFF-SET SIDE	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.
72	RD MAN 4 DIA T11V F&G	LT	102+68.00	29.79	----	714.61	713.11	709.63	71	709.53	74
73	INLETS TA T11V F&G	RT	103+88.00	28.79	----	713.10	----	----	--	709.10	74
74	RD MAN 4 DIA T11V F&G	LT	103+88.00	29.79	----	713.10	711.60	708.12	72	707.92	75
								708.82	73		
75	RD MAN 4 DIA T11V F&G	LT	104+88.00	29.79	----	711.70	710.20	706.72	74	706.52	77
76	INLETS TA T11V F&G	RT	105+68.00	28.79	----	710.58	----	----	--	706.58	77
77	RD MAN 4 DIA T11V F&G	LT	105+68.00	29.79	----	710.58	709.08	705.40	75	705.20	79
								706.30	76		

STORM SEWER PIPE SCHEDULE

LOCATION STR. – STR. OR STA., O.S.	STORM SEW CL A 1 12 (FOOT)	STORM SEW CL A 1 24 (FOOT)	STORM SEW CL A 1 27 (FOOT)	GRADE %	TRENCH BACKFILL (CU YD)
72 – 74		116		1.13	31.1
73 – 74	56			0.50	8.4
74 – 75		96		1.25	21.4
75 – 77		76		1.47	18.1
76 – 77	56			0.50	8.4
77 – 79			147	1.29	34.5

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DATED: 1/09
DESIGNED BY: CES
DRAWN BY: AJS
CHECKED BY: GLJ
CITY SECTION
00-00361-00-PV

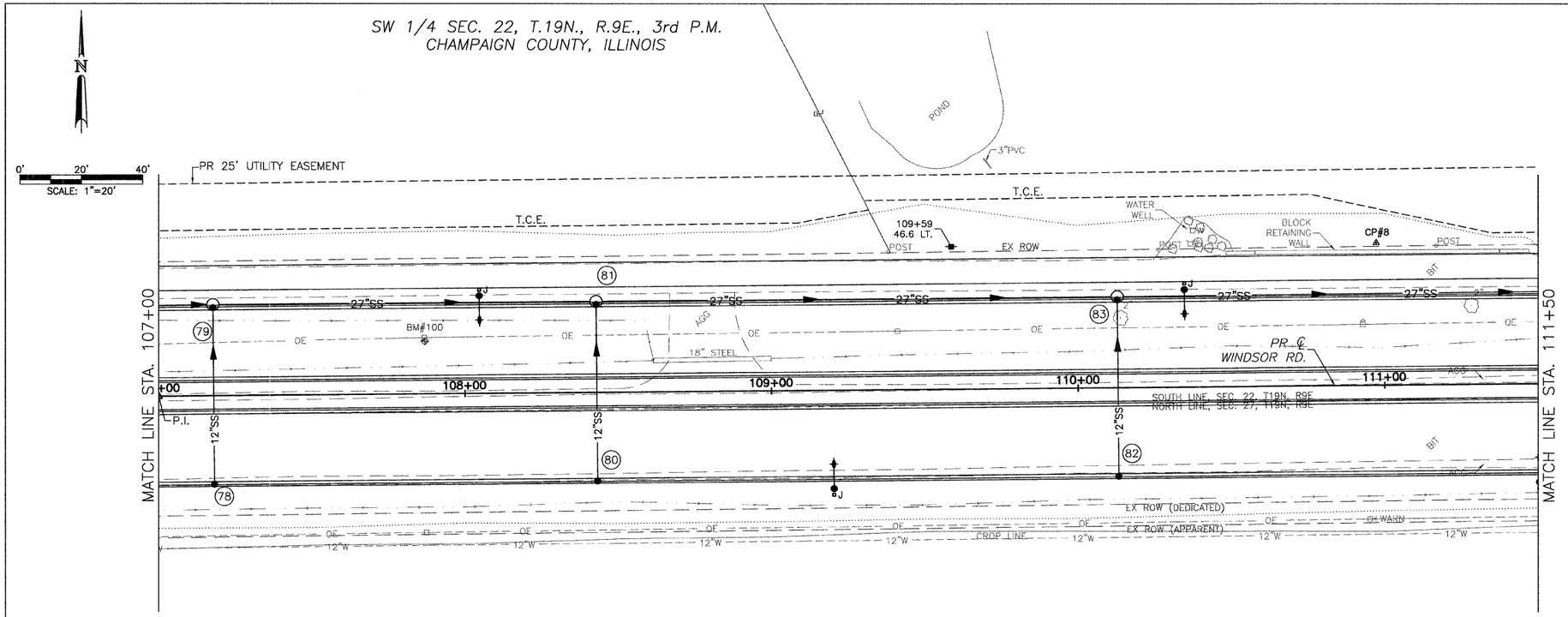
WINDSOR ROAD IMPROVEMENTS
DRAINAGE PLANS
STA 102+50 TO STA 107+00

SHEET NO.
61
OF
145

JAN 09 2009 1:25PM DRAINAGE STA102+50-107+00.DWG

CONTRACT NO. 91391

SW 1/4 SEC. 22, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS



BM #100: STA. 107+87.00, 17.00' LT. RR SPIKE IN TENTH POWER POLE W. OF STONE CREEK BLVD. ELEV.= 706.41

EX UNDERGROUND TELEPHONE NOT SHOWN FROM STA. 94+00 TO STA. 114+00

NW 1/4 SEC. 27, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS

STORM SEWER STRUCTURE SCHEDULE

STR. NO.	STRUCTURE TYPE	OFF–SET SIDE	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.
78	INLETS TA T11V F&G	RT	107+18.00	28.79	----	708.49	----	----	--	704.49	79
79	RD MAN 4 DIA T11V F&G	LT	107+18.00	29.79	----	708.49	706.99	703.31	77	703.11	81
								704.21	78		
80	INLETS TA T11V F&G	RT	108+43.00	28.79	----	706.88	----	----	--	702.88	81
81	RD MAN 4 DIA T11V F&G	LT	108+43.00	29.79	----	706.88	705.38	701.70	79	701.50	83
								702.60	80		
82	INLETS TA T11V F&G	RT	110+13.00	28.79	----	705.02	----	----	--	701.02	83
83	RD MAN 4 DIA T11V F&G	LT	110+13.00	29.79	----	705.02	703.52	699.84	81	699.64	86
								700.74	82		

STORM SEWER PIPE SCHEDULE

LOCATION STR. – STR. OR STA., O.S.	STORM SEW CL A 1 12 (FOOT)	STORM SEW CL A 1 27 (FOOT)	GRADE %	TRENCH BACKFILL (CU YD)
78 – 79	56		0.50	8.4
79 – 81		121	1.17	28.4
80 – 81	56		0.50	8.4
81 – 83		166	1.00	39.0
82 – 83	56		0.50	8.4
83 – 86		158	0.86	34.8

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DATED: 1/09 | DRAWN BY: AJS
DESIGNED BY: CES | CHECKED BY: GLJ

CITY SECTION
00–00361–00–PV

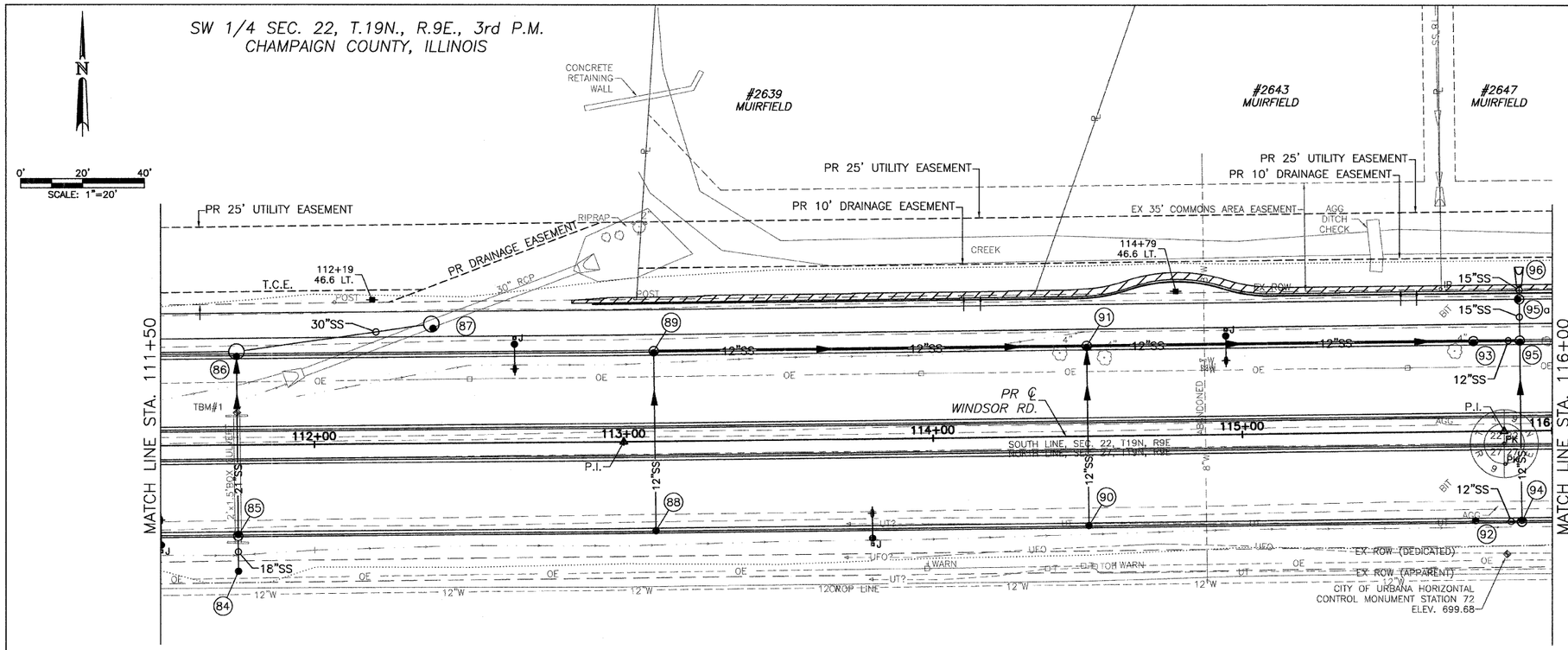
WINDSOR ROAD IMPROVEMENTS
DRAINAGE PLANS
STA 107+00 TO STA 111+50

SHEET NO.
62
OF
145

JAN 09 2009 1:25PM DRAINAGE STA107+00-111+50.DWG

CONTRACT NO. 91391

SW 1/4 SEC. 22, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS



TBM #1: STA. 111+74.90, 10.50' LT. CHISELED SQUARE ON CENTER OF CONCRETE HEADWALL OF 2'X2' BOX CULVERT ON N. SIDE OF WINDSOR RD., 1181' W. OF STONE CREEK BLVD. ELEV.= 702.14

EX UNDERGROUND TELEPHONE NOT SHOWN FROM STA. 94+00 TO STA. 114+00

NW 1/4 SEC. 27, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS

STORM SEWER STRUCTURE SCHEDULE

	STR. NO.	STRUCTURE TYPE	OFF-SET SIDE	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.
	84	INLETS TA T37G	RT	111+75.00	40.77	----	701.25	----	----	--	698.81	85
	85	RD INLET TY B T11V F&G	RT	111+75.00	29.29	----	703.26	701.76	698.76	84	698.56	86
	86	RD MAN 5 DIA T11V F&G	LT	111+75.00	30.29	----	703.26	701.59	698.28	83	698.08	87
									698.28	85		
*	87	RD MAN 5 DIA T1F CL	LT	112+38.11	38.58	----	702.13	700.63	697.79	86	697.69	E
	88	INLETS TA T11V F&G	RT	113+10.00	28.79	----	701.79	----	----	--	697.79	89
	89	RD INLET TY B T11V F&G	LT	113+10.00	29.29	----	701.79	700.29	697.51	88	697.31	91
	90	INLETS TA T11V F&G	RT	114+50.00	28.79	----	700.27	----	----	--	696.27	91
	91	RD INLET TY B T11V F&G	LT	114+50.00	29.29	----	700.27	698.77	695.99	89	695.79	93
									695.99	90		
	92	INLETS TA T11V F&G	RT	115+75.00	28.79	----	698.91	----	----	--	694.91	94
	93	RD INLET TY B T11V F&G	LT	115+75.00	29.29	----	698.91	697.41	694.53	91	694.43	95
	94	RD INLET TY B T11V F&G	RT	115+90.00	29.29	----	698.75	697.25	694.75	92	694.55	95
	95	RD INLET TY B T11V F&G	LT	115+90.00	29.29	----	698.75	697.25	694.27	93	694.07	95a
									694.27	94		
**	95a	RD INLET TY B TIF OL	LT	115+90.00	42.58	----	698.20	----	693.97	95	693.92	96
***	96	PRC FLAR END SEC 15	LT	115+90.00	52.87	----	----	----	----	--	693.83	DITCH

E=EXISTING
* BUILD MANHOLE OVER EXISTING STORM SEWER. MANHOLE INVERT IS ESTIMATED. FIELD VERIFY. CENTER OF 2 FT. OPENING = STA. 112+38.62, 37.18 FT. LEFT.
** CENTER OF 2 FT. OPENING = STA. 115+89.50, 42.58 FT. LEFT.
***STATION, OFFSET AND INVERT TO END OF END SECTION.

STORM SEWER PIPE SCHEDULE

LOCATION STR. – STR. OR STA., O.S.	STORM SEW CL A 1 12 (FOOT)	STORM SEW CL A 1 18 (FOOT)	STORM SEW CL A 1 21 (FOOT)	STORM SEW CL A 1 30 (FOOT)	STORM SEW CL A 2 12 (FOOT)	STORM SEW CL A 2 15 (FOOT)	GRADE %	TRENCH BACKFILL (CU YD)
84 – 85		9					0.56	--
85 – 86			56				0.50	11.5
86 – 87				59			0.50	22.5
88 – 89	56						0.50	8.4
89 – 91					137		0.96	24.0
90 – 91	56						0.50	8.4
91 – 93					122		1.03	22.1
92 – 94	13						1.28	0.4
93 – 95					12		1.33	2.2
94 – 95					56		0.50	9.6
95 – 95a						11	1.00	3.8
95a – 96						3	1.00	0.5

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DRAWN BY: AJS
CHECKED BY: GLJ
DESIGNED BY: CES
DATED: 1/09

CITY SECTION
00-00361-00-PV

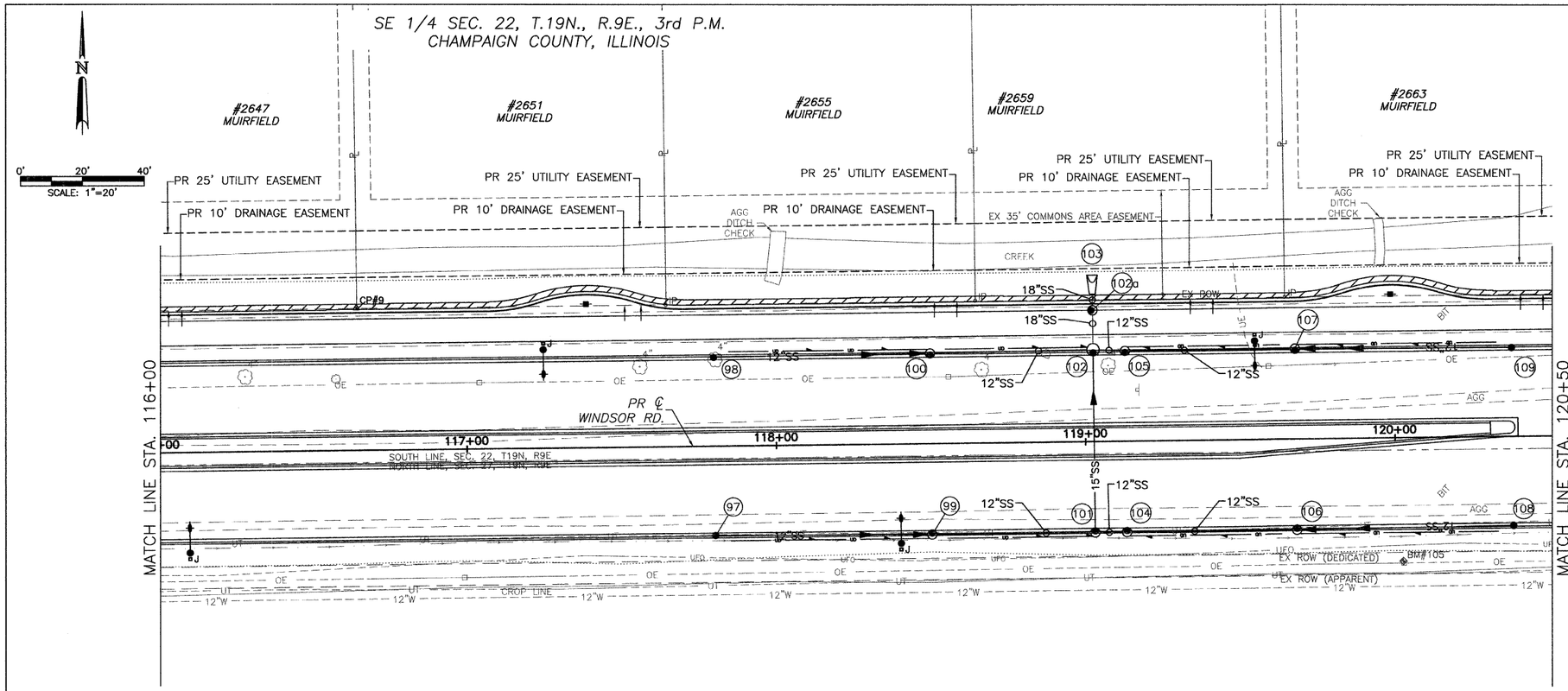
WINDSOR ROAD IMPROVEMENTS
DRAINAGE PLANS
STA 111+50 TO STA 116+00

SHEET NO.
63
OF
145

MAR 20 2009 11:31AM DRAINAGE STA111+50-116+00.DWG

CONTRACT NO. 91391

SE 1/4 SEC. 22, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS



BM #105: STA. 120+02.80, 40.00' RT. RR SPIKE IN N. SIDE OF POWER POLE ON S. SIDE OF WINDSOR ROAD, FIRST POLE W. OF STONE CREEK BLVD. ELEV.=697.36

NE 1/4 SEC. 27, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS

STORM SEWER STRUCTURE SCHEDULE

	STR. NO.	STRUCTURE TYPE	OFF-SET SIDE	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.
	97	INLETS TA T11 F&G	RT	117+80.00	28.79	----	697.20	----	----	--	693.50	99
	98	INLETS TA T11 F&G	LT	117+80.00	28.79	----	697.20	----	----	--	693.50	100
	99	RD INLET TY B T11 F&G	RT	118+50.00	29.29	----	696.90	695.40	693.20	97	693.10	101
	100	RD INLET TY B T11 F&G	LT	118+50.00	29.29	----	696.90	695.40	693.20	98	693.10	102
	101	RD INLET TY B T11 F&G	RT	119+02.72	29.29	----	696.82	695.32	692.91	99	692.71	102
									692.91	104		
	102	RD MAN 4 DIA T11 F&G	LT	119+02.72	29.79	----	696.82	695.32	692.91	100	692.23	102a
									692.43	101		
									692.91	105		
*	102a	RD INLET TY B T1F OL	LT	119+02.71	42.58	----	696.27	----	692.18	102	692.13	103
**	103	PRC FLAR END SEC 18	LT	119+02.72	53.87	----	----	----	----	--	692.08	DITCH
	104	RD INLET TY B T11 F&G	RT	119+13.00	29.29	----	696.82	695.32	693.09	106	692.99	101
	105	RD INLET TY B T11 F&G	LT	119+13.00	29.29	----	696.82	695.32	693.09	107	692.99	102
	106	RD INLET TY B T11 F&G	RT	119+68.00	29.29	----	696.95	695.45	693.35	108	693.15	104
	107	RD INLET TY B T11 F&G	LT	119+68.00	29.29	----	696.95	695.45	693.35	109	693.15	105
	108	INLETS TA T11 F&G	RT	120+38.00	28.79	----	697.23	----	----	--	693.63	106
	109	INLETS TA T11 F&G	LT	120+38.00	28.79	----	697.23	----	----	--	693.63	107

* CENTER OF 2 FT. OPENING = STA. 119+02.21, 42.58 FT. LEFT
**STATION, OFFSET AND INVERT TO END OF END SECTION.

STORM SEWER PIPE SCHEDULE

LOCATION STR. – STR. OR STA., O.S.	STORM SEW CL A 1 12 (FOOT)	STORM SEW CL A 1 15 (FOOT)	STORM SEW CL A 1 18 (FOOT)	GRADE %	TRENCH BACKFILL (CU YD)
97 – 99	68			0.44	0.7
98 – 100	68			0.44	7.8
99 – 101	50			0.38	0.8
100 – 102	50			0.39	6.1
101 – 102		56		0.50	8.7
102 – 102a			10	0.50	3.4
102a – 103			3	0.50	0.5
101 – 104	8			1.10	0.1
102 – 105	7			1.18	0.9
104 – 106	52			0.31	0.6
105 – 107	52			0.31	6.1
106 – 108	68			0.41	0.7
107 – 109	68			0.41	7.8

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

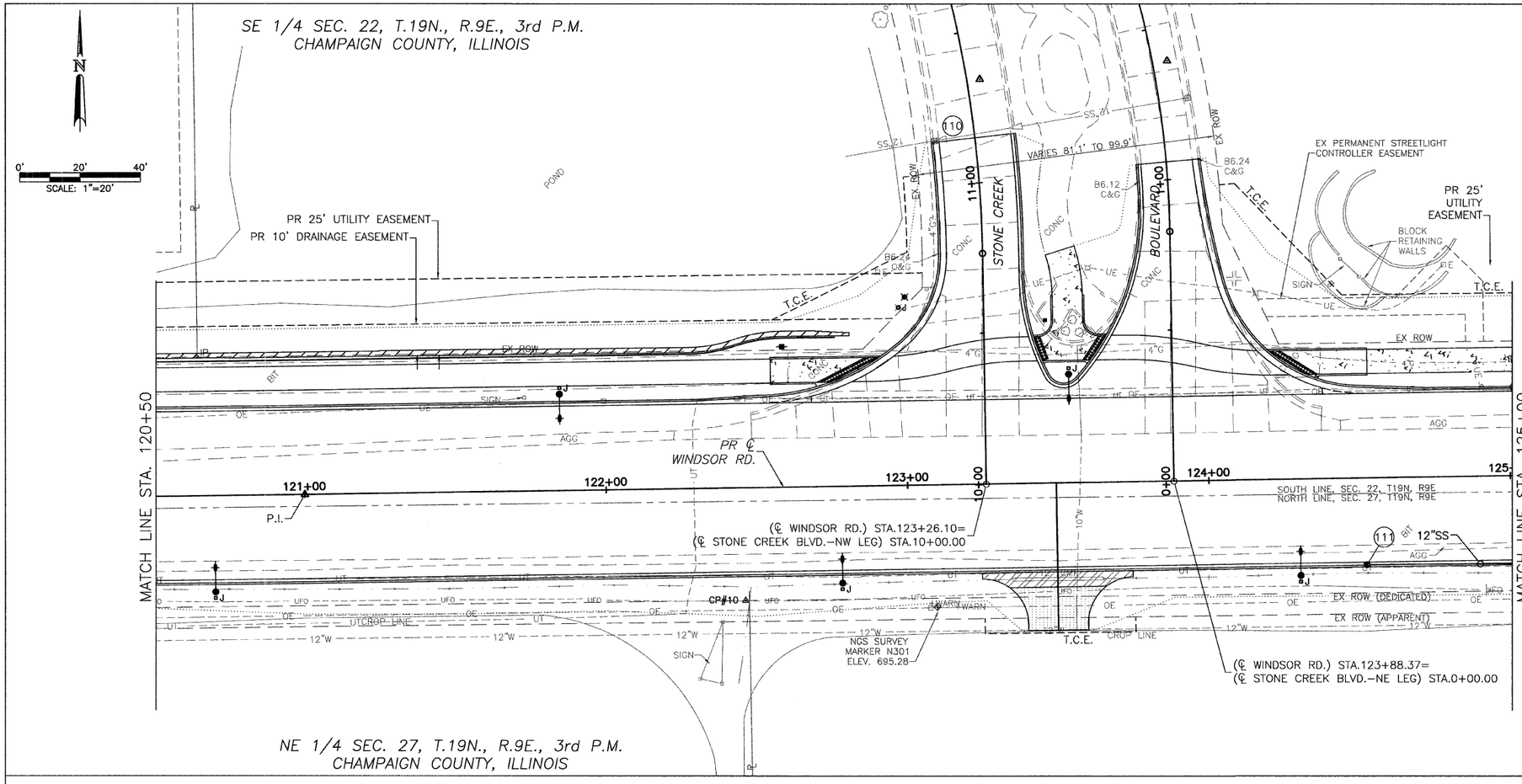
DRAWN BY: AJS
CHECKED BY: GLJ
DESIGNED BY: CES
DATED: 1/09
CITY SECTION 00-00361-00-PV

WINDSOR ROAD IMPROVEMENTS
DRAINAGE PLANS
STA 116+00 TO STA 120+50

SHEET NO. 64 OF 145

MAR 20 2009 11:44AM DRAINAGE STA116+00-120+50.DWG

CONTRACT NO. 91391



STORM SEWER STRUCTURE SCHEDULE											
STR. NO.	STRUCTURE TYPE	OFF–SET SIDE	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.
110	NO WORK REQUIRED	LT	11+15.5	12.5	694.50	----	----	691.50	E	691.40	E
111	INLETS TA T11 F&G	RT	124+52.00	28.79	----	696.82	----	----	--	693.58	112

E=EXISTING

STORM SEWER PIPE SCHEDULE			
LOCATION STR. – STR. OR STA., O.S.	STORM SEW CL A 1 12 (FOOT)	GRADE %	TRENCH BACKFILL (CU YD)
111 – 112	48	0.3	3.5

JAN 09 2009 1:26PM DRAINAGE STA120+50-125+00.DWG

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

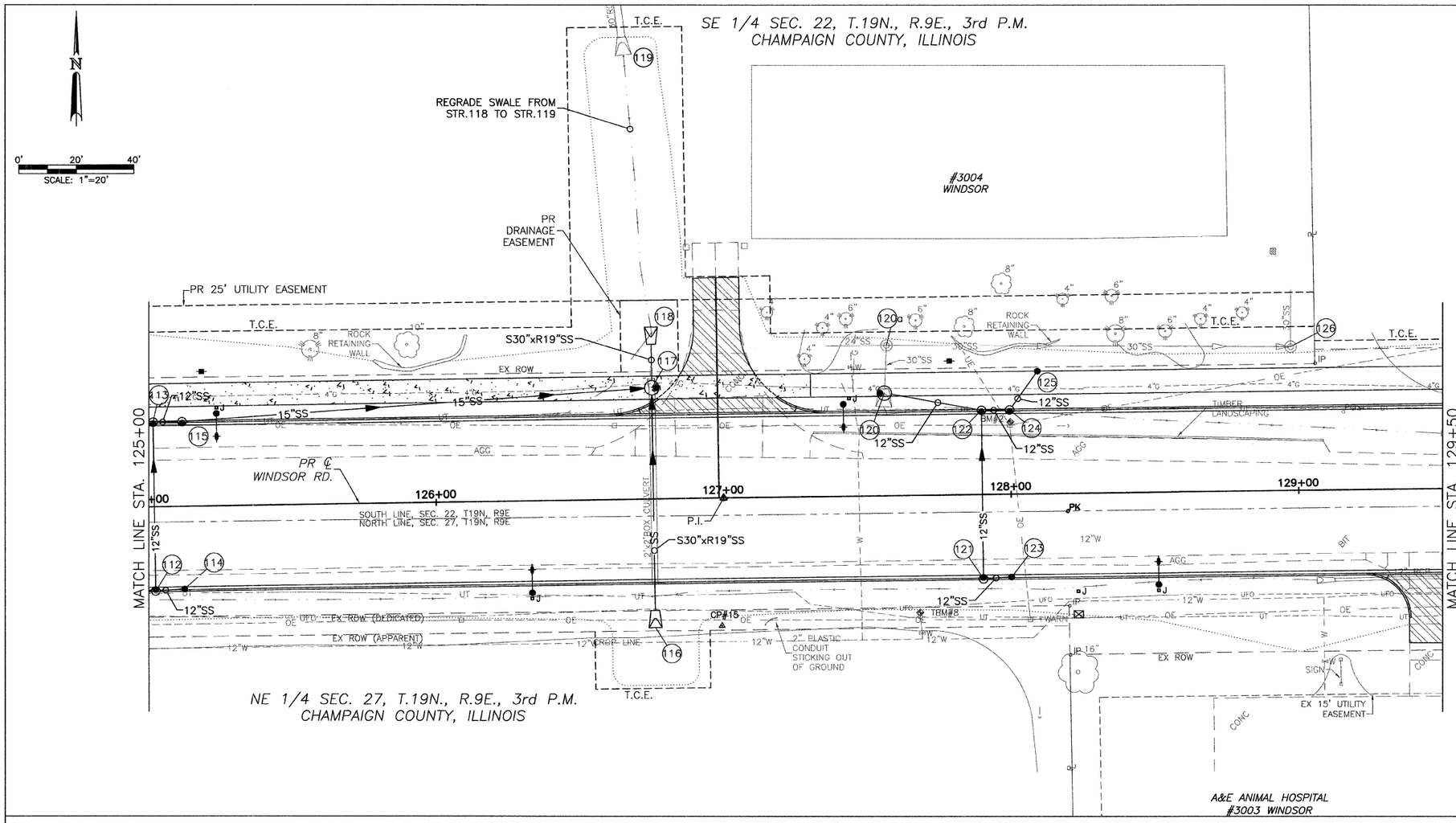
DATED: 1/09
DESIGNED BY: CES
DRAWN BY: AJS
CHECKED BY: GLJ
CITY SECTION
00-00361-00-PV

WINDSOR ROAD IMPROVEMENTS
DRAINAGE PLANS
STA 120+50 TO STA 125+00

SHEET NO.
65
OF
145

CONTRACT NO. 91391

SE 1/4 SEC. 22, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS



NE 1/4 SEC. 27, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS

BM #2: STA. 128+00, 25' LT. 16 P. NAIL IN N. SIDE OF POWER POLE ON N. SIDE OF WINDSOR RD. 1429.00' W. OF INTERSECTION RT. 130 & WINDSOR RD. ELEV.= 695.57

TBM #8: STA. 127+68.50, 40.50' RT. FLANGE BOLT BETWEEN THE 'E & L' IN THE WORD 'MUELLER' S. SIDE OF ENTRANCE INTO STONE CREEK MAINTNENCE SHED 3004 WINDSOR ELEV.=697.00

STORM SEWER STRUCTURE SCHEDULE

	STR. NO.	STRUCTURE TYPE	OFF-SET SIDE	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.
	112	RD INLET TY B T11 F&G	RT	125+01.94	29.29	-----	696.74	695.24	693.44	111	693.40	113
									693.44	114		
	113	RD INLET TY B T11 F&G	LT	125+01.94	29.29	-----	696.74	695.24	693.12	112	693.08	115
	114	INLETS TA T11 F&G	RT	125+12.00	28.79	-----	696.74	-----	-----	--	693.34	112
	115	RD INLET TY B T11 F&G	LT	125+12.00	29.29	-----	696.74	695.24	693.06	113	693.02	117
*	116	PRCF END S EL EQRS 24	RT	125+75.60	44.79	-----	-----	-----	692.94	DITCH	-----	117
**	117	RD MAN 5 DIA T1F CL	LT	126+75.60	38.58	-----	697.13	695.46	692.54	115	692.51	118
									692.54	116		
*	118	PRCF END S EL EQRS 24	LT	126+75.60	59.71	-----	-----	-----	-----	117	692.42	DITCH

E=EXISTING
*STATION, OFFSET AND INVERT TO END OF END SECTION.
**CENTER OF 2 FT. OPENING = STA. 126+77.10, 38.56 FT. LEFT.

STORM SEWER STRUCTURE SCHEDULE

	STR. NO.	STRUCTURE TYPE	OFF-SET SIDE	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.
	119	NO WORK REQUIRED	LT	126+67.59	154.51	-----	-----	-----	691.77	118	-----	--
***	120	RD MAN 5 DIA T1F CL	LT	127+56.31	35.71	-----	696.79	695.12	691.91	122	691.71	120a
	120a	NO WORK REQUIRED	LT	127+57.24	52.32	696.06	-----	-----	691.11	120	691.09	E
	121	RD INLET TY B T11 F&G	RT	127+90.00	29.29	-----	696.74	695.24	692.84	123	692.74	122
	122	RD INLET TY B T11 F&G	LT	127+90.00	29.29	-----	696.74	695.24	692.46	121	692.36	120
									692.46	124		
	123	INLETS TA T11 F&G	RT	127+99.78	28.79	-----	696.74	-----	-----	--	692.88	121
	124	RD INLET TY B T11 F&G	LT	127+99.78	29.29	-----	696.74	695.24	692.59	125	692.49	122
	125	INLETS TA T1F OL	LT	128+09.61	42.58	-----	696.54	-----	-----	--	692.73	124
	126	NO WORK REQUIRED	LT	128+97.79	50.05	695.96	-----	-----	690.97	E	690.87	E

E=EXISTING
***BUILD MANHOLE OVER EXISTING STORM SEWER. MANHOLE INVERT IS ESTIMATED. FIELD VERIFY. CENTER OF 2 FT. OPENING = STA. 127+54.81, 35.73 FT. LEFT.

STORM SEWER PIPE SCHEDULE

LOCATION STR. – STR. OR STA., O.S.	STORM SEW CL A 1 12 (FOOT)	STORM SEW CL A 1 15 (FOOT)	SS 1 RCEPT S30 R19 (FOOT)	STORM SEW CL A 2 12 (FOOT)	GRADE %	TRENCH BACKFILL (CU YD)
112 – 113	56				0.50	5.0
112 – 114	8				0.30	0.6
113 – 115	8				0.30	0.8
115 – 117		160			0.30	50.2
116 – 117			75		0.50	27.7
117 – 118			13		0.50	--
120 – 122				31	1.50	11.0
121 – 122	56				0.50	8.4
121 – 123	8				0.50	1.0
122 – 124				7	0.50	1.1
124 – 125	14				1.00	4.0

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DATED: 1/09 | DRAWN BY: AJS
DESIGNED BY: CES | CHECKED BY: GLJ

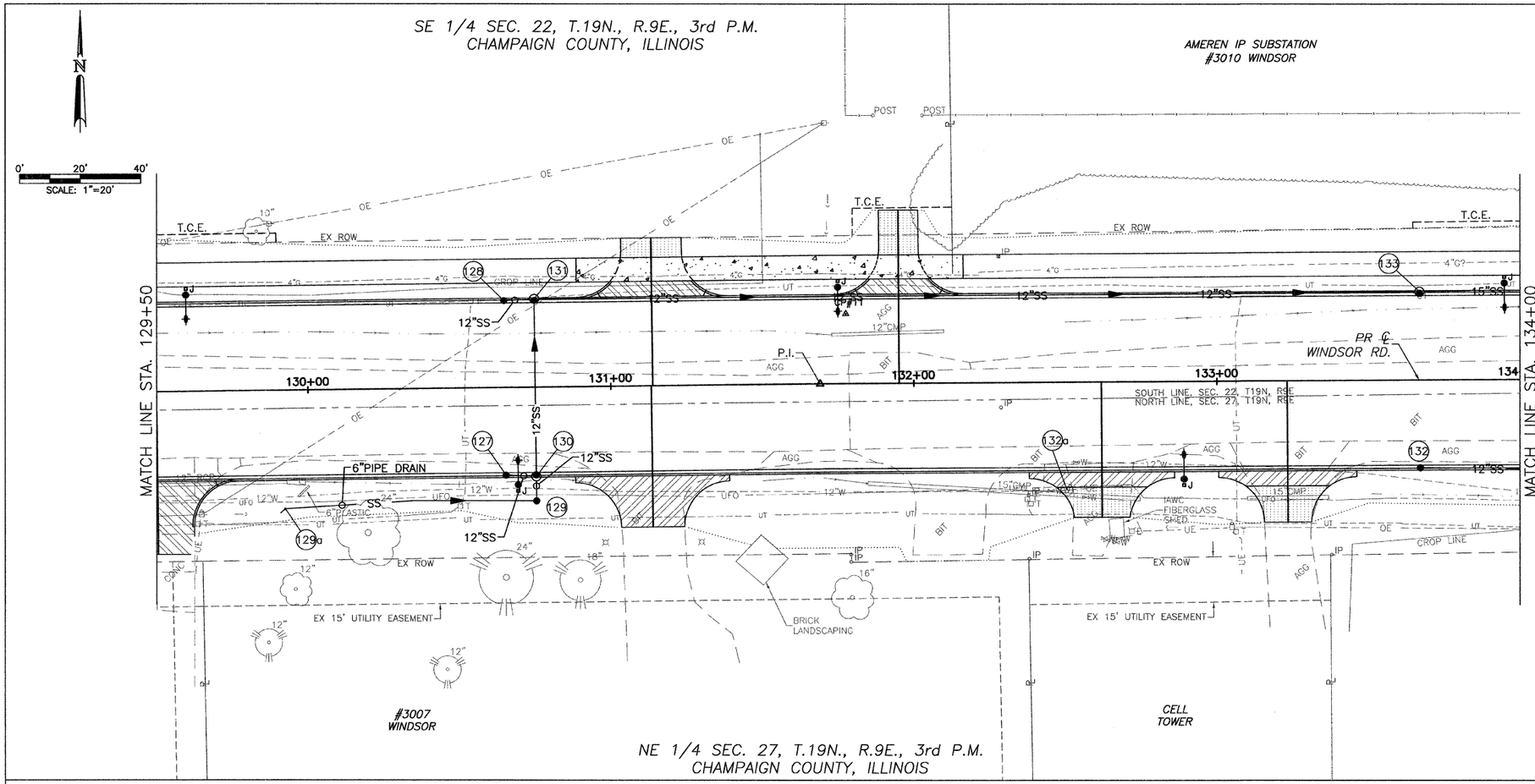
CITY SECTION
00-00361-00-PV

WINDSOR ROAD IMPROVEMENTS
DRAINAGE PLANS
STA 125+00 TO STA 129+50

SHEET NO.
66
OF
145

JAN 09 2009 1:27PM DRAINAGE STA125+00-129+50.DWG

CONTRACT NO. 91391



STORM SEWER STRUCTURE SCHEDULE

	STR. NO.	STRUCTURE TYPE	OFF-SET SIDE	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.
	127	INLETS TA T11 F&G	RT	130+65.00	28.79	----	696.80	----	----	--	693.60	130
	128	INLETS TA T11 F&G	LT	130+65.00	28.79	----	696.80	----	----	--	693.39	131
	129	INLETS TA T8G	RT	130+75.00	37.39	----	695.99	----	----	--	693.64	130
									693.84	129a		
**	129a	PIPE CONNECTION	RT	129+92.00	39.00	----	----	----	**	PIPE	**	129
	130	RD INLET TY B T11 F&G	RT	130+75.00	29.29	----	696.80	695.30	693.58	127	693.54	131
									693.58	129		
	131	RD INLET TY B T11 F&G	LT	130+75.00	29.29	----	696.80	695.30	693.37	128	693.33	133
									693.37	130		
	132	INLETS TA T11 F&G	RT	133+67.00	28.79	----	696.55	----	----	--	692.55	134
*	132a	MAN ADJUST	RT	132+50.2	35.3	696.22	697.75	----	----	--	----	--
	133	RD INLET TY B T11 F&G	LT	133+67.00	29.29	----	696.55	695.05	692.46	131	692.42	135

* WATER MANHOLE. PLACE TOP OF CONCRETE LID/FRAME AT TOP OF PROPOSED ENTRANCE SURFACE.

** FIELD DETERMINE LOCATION AND ELEVATION. INSTALL CLEANOUT AT EXISTING PIPE CONNECTION. COST OF THIS WORK TO BE INCLUDED IN THE COST OF PIPE DRAIN, 6".

STORM SEWER PIPE SCHEDULE

LOCATION STR. – STR. OR STA., O.S.	PIPE DRAIN 6 (FOOT)	STORM SEW CL A 1 12 (FOOT)	STORM SEW CL A 1 15 (FOOT)	SS1 WMQ 12 (FOOT)	GRADE %	TRENCH BACKFILL (CU YD)
127 – 130				8	0.30	0.4
128 – 131		8			0.30	0.6
129a – 129	85				*	---
129 – 130				6	1.00	---
130 – 131				56	0.30	3.8
131 – 133		290			0.30	32.5
132 – 134				67	0.73	3.0
133 – 135			67		0.30	9.2

* FIELD DETERMINE. 1.00% – DESIRABLE

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DATED: 1/09
DESIGNED BY: CES
DRAWN BY: AJS
CHECKED BY: GLJ
CITY SECTION
00-00361-00-PV

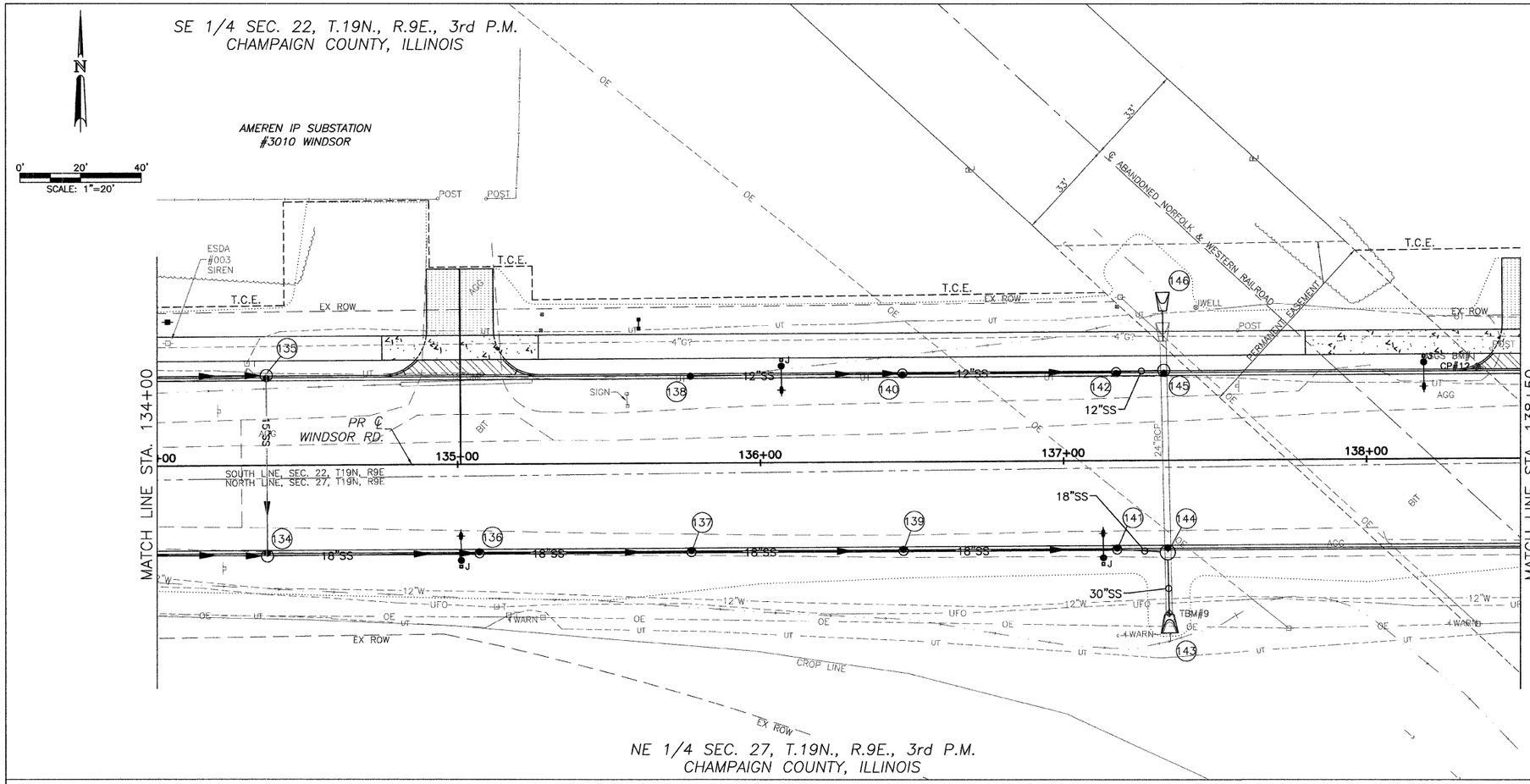
WINDSOR ROAD IMPROVEMENTS
DRAINAGE PLANS
STA 129+50 TO STA 134+00

SHEET NO.
67
OF
145

MAR 20 2009 11:50AM DRAINAGE STA129+50-134+00.DWG

CONTRACT NO. 91391

SE 1/4 SEC. 22, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS



NE 1/4 SEC. 27, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS

U.S.G.S. BM #1: STA. 138+36.25, 30.30' LT. TABLET ON N. SIDE OF WINDSOR RD. NEAR INTERSECTION WITH RT. 130, 25' E. OF RR TRACK BED ELEV.= 693.82

TBM #9: STA. 137+34.97, 50.38' RT. BLACK MARKED SQUARE ON TOP OF F.E.S. OF THE 24' RCP ON THE SOUTH SIDE OF WINDSOR RD. ELEV.= 692.98

STORM SEWER STRUCTURE SCHEDULE

	STR. NO.	STRUCTURE TYPE	OFF-SET SIDE	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.
	134	RD MAN 4 DIA T11 F&G	RT	134+37.00	29.79	----	696.28	694.78	692.06	132	691.86	136
									691.90	135		
	135	RD MAN 4 DIA T11 F&G	LT	134+37.00	29.79	----	696.28	694.78	692.22	133	692.18	134
	136	RD INLET TY B T11 F&G	RT	135+07.00	29.29	----	696.00	694.50	691.66	134	691.62	137
	137	RD INLET TY B T11 F&G	RT	135+77.00	29.29	----	695.72	694.22	691.42	136	691.38	139
	138	INLETS TA T11 F&G	LT	135+77.00	28.79	----	695.72	----	----	--	692.21	140
	139	RD INLET TY B T11 F&G	RT	136+47.00	29.29	----	695.45	693.95	691.18	137	691.14	141
	140	RD INLET TY B T11 F&G	LT	136+47.00	29.29	----	695.45	693.95	691.87	138	691.77	142
	141	RD INLET TY B T11 F&G	RT	137+17.49	29.29	----	695.29	693.79	690.94	139	690.90	144
	142	RD INLET TY B T11 F&G	LT	137+17.49	29.29	----	695.29	693.79	691.43	140	691.33	145
*	143	REM & RELAY P C 30	RT	137+34.69	57.02	----	----	----	----	--	690.63	DITCH
		GRATING-C FL END S 30										
	144	RD MAN 5 DIA T11 F&G	RT	137+34.20	30.29	----	695.30	693.63	690.86	141	690.78	E
									690.81	E		
	145	RD MAN 4 DIA T11 F&G	LT	137+33.24	29.79	----	695.30	693.80	691.26	142	691.16	E
									691.19	E		
*	146	REM & RELAY P C 24	LT	137+32.95	55.48	----	695.30	----	----	--	691.34	DITCH
		GRATING-C FL END S 24										

D=DITCH E=EXISTING *STATION, OFFSET AND INVERT TO END OF END SECTION.

STORM SEWER PIPE SCHEDULE

	LOCATION STR. - STR. OR STA., O.S.	STORM SEW CL A 1 12 (FOOT)	STORM SEW CL A 1 15 (FOOT)	STORM SEW CL A 1 18 (FOOT)	REM & RELAY P C 24 (FOOT)	REM & RELAY P C 30 (FOOT)	GRADE %	TRENCH BACKFILL (CU YD)
	134 - 135		56				0.50	8.6
	134 - 136			67			0.30	2.1
	136 - 137			67			0.30	1.7
	137 - 139			67			0.30	1.5
	138 - 140	68					0.50	6.0
	139 - 141			68			0.30	1.7
	140 - 142	68					0.50	7.5
	141 - 144			13			0.30	0.5
	142 - 145	14					0.50	1.9
**	143 - 144					25	0.63	---
***	145 - 146				17		0.63	2.7

**USE PIPE AND END SECTION SALVAGED FROM CULVERT REMOVAL AT LT. STA. 111+90.7.
***USE PIPE AND END SECTION SALVAGED FROM CULVERT REMOVAL AT RT. STA. 137+33.

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DRAWN BY: AJS
CHECKED BY: GLJ
DESIGNED BY: CES
DATED: 1/09

CITY SECTION
00-00361-00-PV

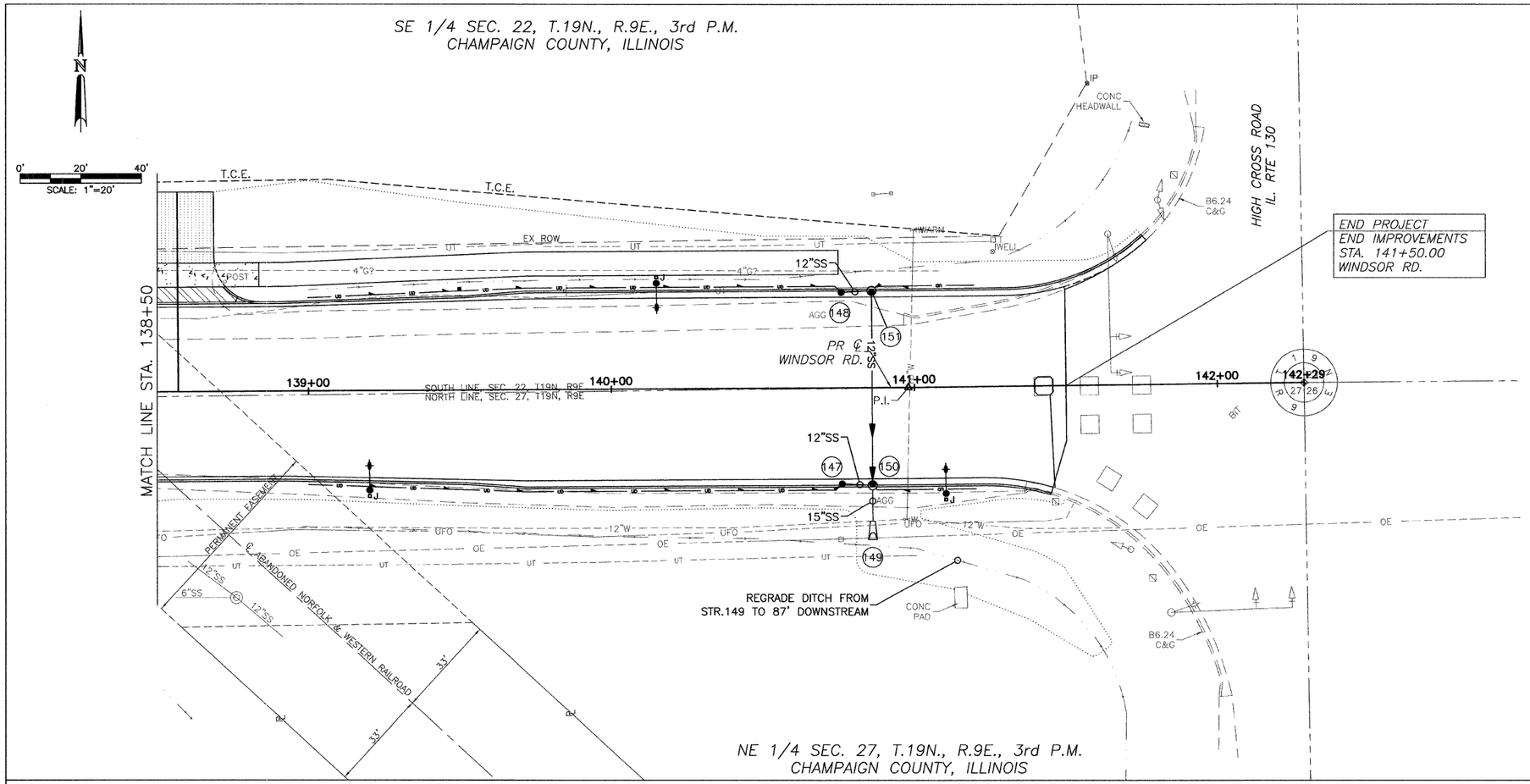
WINDSOR ROAD IMPROVEMENTS
DRAINAGE PLANS
STA 134+00 TO STA 138+50

SHEET NO.
68
OF
145

JAN 09 2009 1:27PM DRAINAGE STA134+00-138+50.DWG

CONTRACT NO. 91391

SE 1/4 SEC. 22, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS



NE 1/4 SEC. 27, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS

STORM SEWER STRUCTURE SCHEDULE											
STR. NO.	STRUCTURE TYPE	OFF-SET SIDE	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.
147	INLETS TA T3 F&G	RT	140+76.00	31.56	----	694.08	----	----	--	690.96	150
148	INLETS TA T3 F&G	LT	140+76.00	31.56	----	694.08	----	----	--	691.18	151
* 149	PRC FLAR END SEC 15	RT	140+86.02	50.00	----	----	----	----	--	690.85	DITCH
150	RD INLET TY B T3 F&G	RT	140+86.02	32.06	----	694.07	692.57	690.94	147	690.90	149
								690.94	151		
151	RD INLET TY B T3 F&G	LT	140+86.02	32.06	----	694.07	692.57	691.16	148	691.12	150

D=DITCH
*STATION, OFFSET AND INVERT TO END OF END SECTION.

STORM SEWER PIPE SCHEDULE				
LOCATION STR. – STR. OR STA., O.S.	SS1 WMQ 12 (FOOT)	SS1 WMQ 15 (FOOT)	GRADE %	TRENCH BACKFILL (CU YD)
147 – 150	8		0.30	0.0
148 – 151	8		0.30	0.2
149 – 150		11	0.30	---
150 – 151	62		0.30	2.4

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

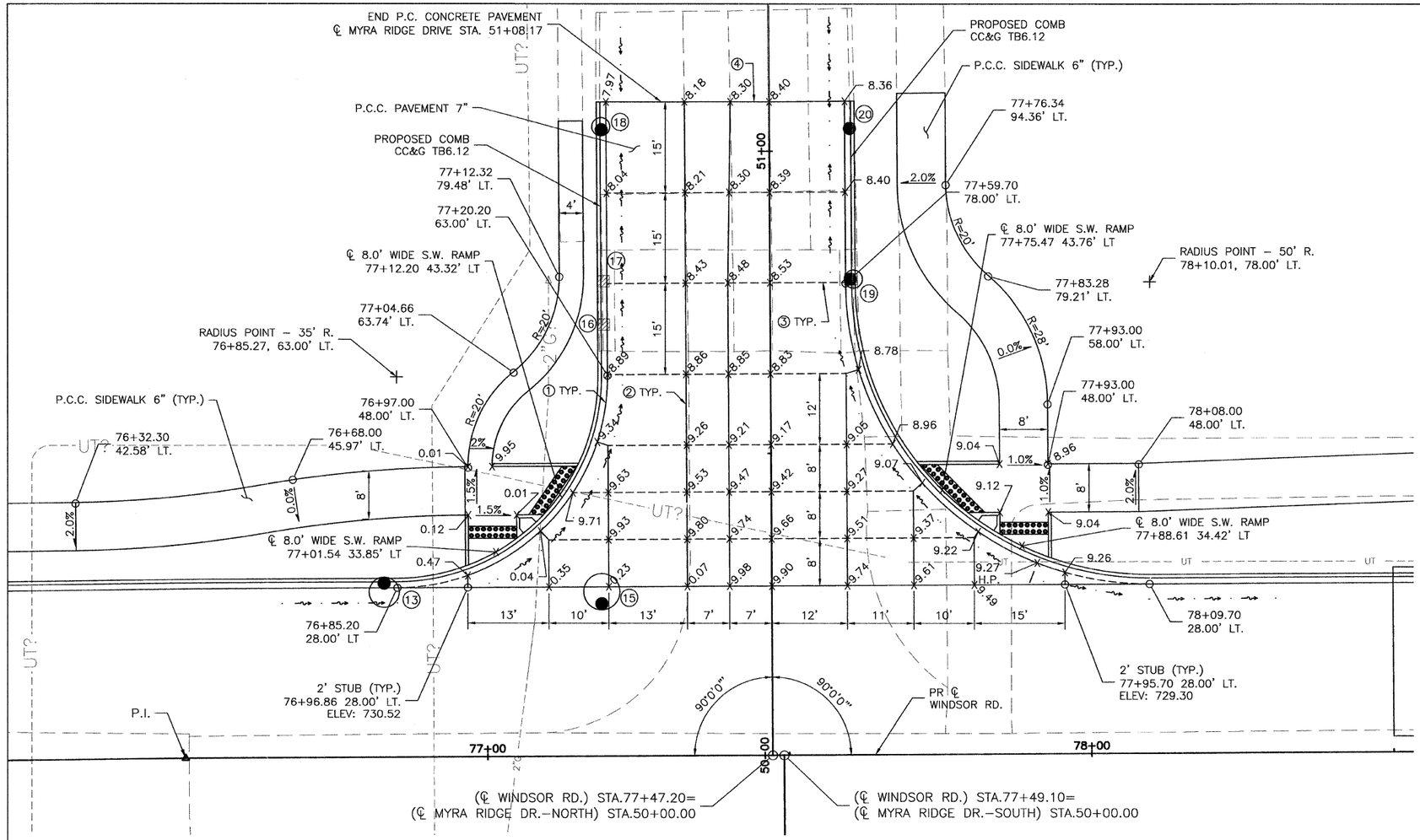
DATED: 1/09
DESIGNED BY: CES
DRAWN BY: AJS
CHECKED BY: GLJ
CITY SECTION
00-00361-00-PV

WINDSOR ROAD IMPROVEMENTS
DRAINAGE PLANS
STA 138+50 TO STA 142+29

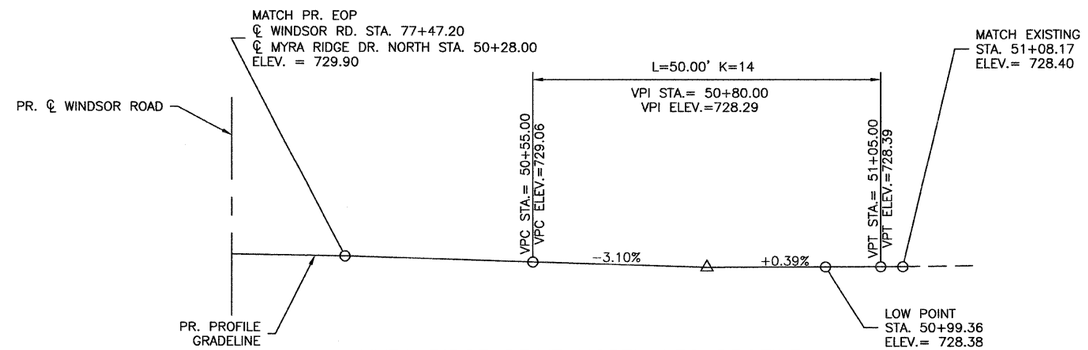
SHEET NO.
69
OF
145

JAN 09 2009 1:28PM DRAINAGE STA138+50-142+29.DWG

CONTRACT NO. 91391



MYRA RIDGE DRIVE NORTH LEG PLAN



MYRA RIDGE DRIVE NORTH LEG PROFILE

NO SCALE

LEGEND

9.89

7.00 – 9.99 ADD 720.00
0.00 ADD 730.00

① DRAINAGE STRUCTURE NO. (SEE DRAINAGE SHEETS)

PAVEMENT JOINT KEY

① LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 X 30" TIE BARS AT 24" CENTERS FORMED IN PLACE (STD. 420001).

② SAWED LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 X 30" TIE BARS AT 24" CENTERS (STD. BLR 10 TYPE E).

③ SAWED TRANSVERSE JOINT (STD. BLR 10 TYPE C).

④ TRANSVERSE CONSTRUCTION JOINT WITH 1" DIA. X 18" DOWEL BARS AT 12" CENTERS (STD. 420001).

NOTES:

1. THE FINAL FINISH OF THE P.C. CONCRETE PAVEMENT SHALL BE TYPE B IN ACCORDANCE WITH ARTICLE 402.09(e)(2) OF THE STANDARD SPECIFICATIONS.
2. THE 2' STUBS SHALL BE POURED MONOLITHIC WITH THE COMBINATION CONCRETE CURB AND GUTTER. THE COST OF THE ADDITIONAL GUTTER FLAG WIDTH SHALL BE INCLUDED IN THE COST OF THE COMBINATION CONCRETE CURB AND GUTTER, TYPE B–6.12.
3. ALL SAWED TRANSVERSE CONTRACTION JOINTS IN THE PAVEMENT MUST EXTEND THROUGH THE CURB AND GUTTER.
4. ALL SAWED JOINTS IN THE PAVEMENT AND CURB AND GUTTER SHALL BE SEALED WITH A JOINT SEALER MEETING THE REQUIREMENTS OF ARTICLE 606.07 OF THE STANDARD SPECIFICATIONS.
5. TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 420 OF THE STANDARD SPECIFICATIONS. THE COST OF FURNISHING AND INSTALLING THE TRANSVERSE CONSTRUCTION JOINTS, INCLUDING DRILLING AND GROUTING, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE VARIOUS CURB AND GUTTER AND/OR PAVEMENT PAY ITEMS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
6. ALL ELEVATIONS REFERRED TO ARE TO TOP OF FINISHED CONSTRCTION.
7. ALL STREET RADII ARE DIMENSIONED TO THE EDGE OF PAVEMENT, UNLESS OTHERWISE SHOWN.

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DATED: 1/09
DESIGNED BY: CES
DRAWN BY: AJS
CHECKED BY: GLJ
CITY SECTION
00-00361-00-PV

WINDSOR ROAD IMPROVEMENTS
INTERSECTION DETAILS
MYRA RIDGE DRIVE NORTH LEG

SHEET NO. 70 OF 145

MAR 20 2009 11:57AM INTDETAILS 01.DWG

CONTRACT NO. 91391

PAVEMENT JOINT KEY

① LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 X 30" TIE BARS AT 24" CENTERS FORMED IN PLACE (STD. 420001).

② SAWED LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 X 30" TIE BARS AT 24" CENTERS (STD. BLR 10 TYPE E).

③ SAWED TRANSVERSE JOINT (STD. BLR 10 TYPE C).

④ TRANSVERSE CONSTRUCTION JOINT WITH 1" DIA. X 18" DOWEL BARS AT 12" CENTERS (STD. 420001).

NOTES:

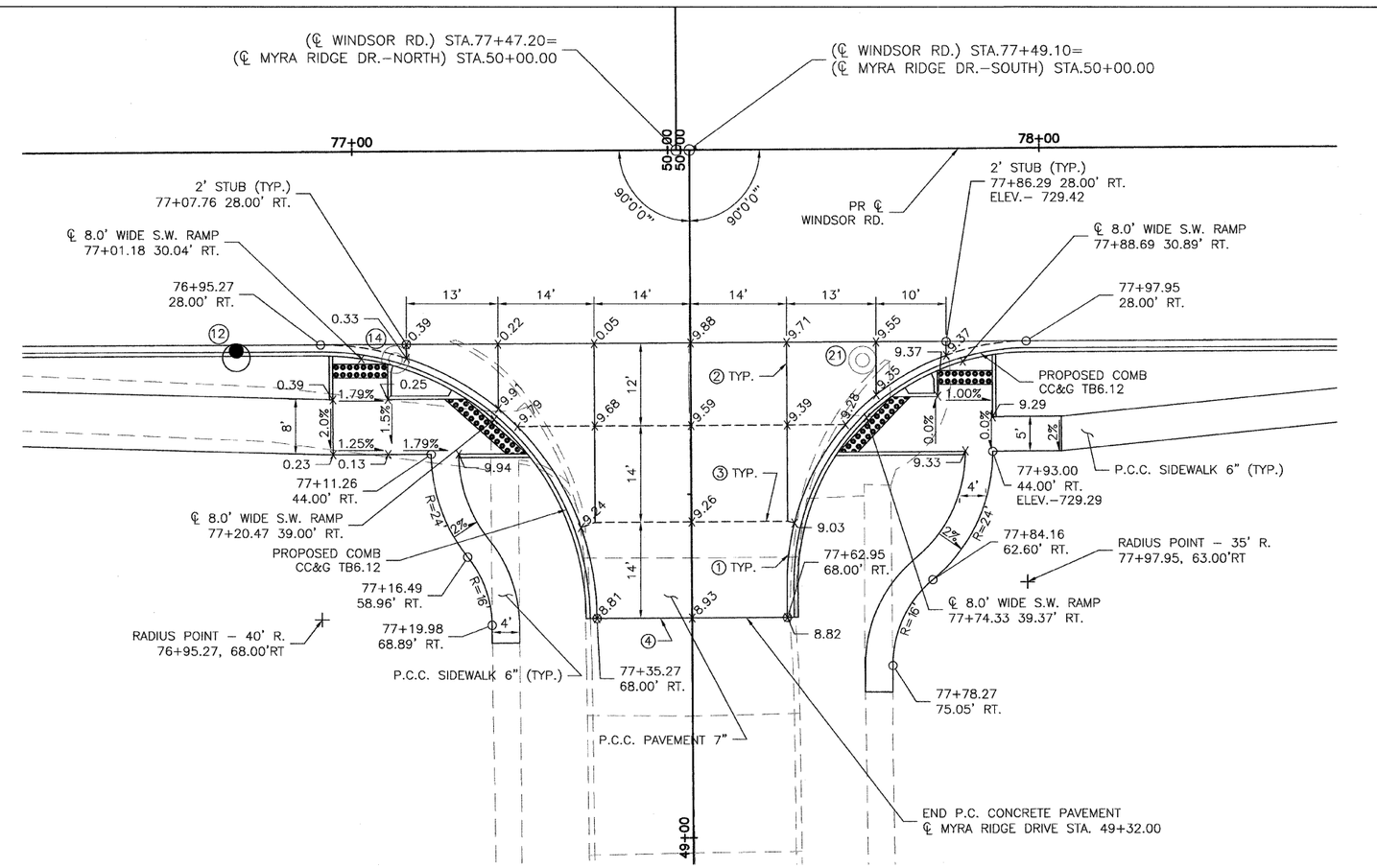
1. THE FINAL FINISH OF THE P.C. CONCRETE PAVEMENT SHALL BE TYPE B IN ACCORDANCE WITH ARTICLE 402.09(e)(2) OF THE STANDARD SPECIFICATIONS.
2. THE 2' STUBS SHALL BE POURED MONOLITHIC WITH THE COMBINATION CONCRETE CURB AND GUTTER. THE COST OF THE ADDITIONAL GUTTER FLAG WIDTH SHALL BE INCLUDED IN THE COST OF THE COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12.
3. ALL SAWED TRANSVERSE CONTRACTION JOINTS IN THE PAVEMENT MUST EXTEND THROUGH THE CURB AND GUTTER.
4. ALL SAWED JOINTS IN THE PAVEMENT AND CURB AND GUTTER SHALL BE SEALED WITH A JOINT SEALER MEETING THE REQUIREMENTS OF ARTICLE 606.07 OF THE STANDARD SPECIFICATIONS.
5. TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 420 OF THE STANDARD SPECIFICATIONS. THE COST OF FURNISHING AND INSTALLING THE TRANSVERSE CONSTRUCTION JOINTS, INCLUDING DRILLING AND GROUTING, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE VARIOUS CURB AND GUTTER AND/OR PAVEMENT PAY ITEMS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
6. ALL ELEVATIONS REFERRED TO ARE TO TOP OF FINISHED CONSTRCTION.
7. ALL STREET RADII ARE DIMENSIONED TO THE EDGE OF PAVEMENT, UNLESS OTHERWISE SHOWN.

LEGEND

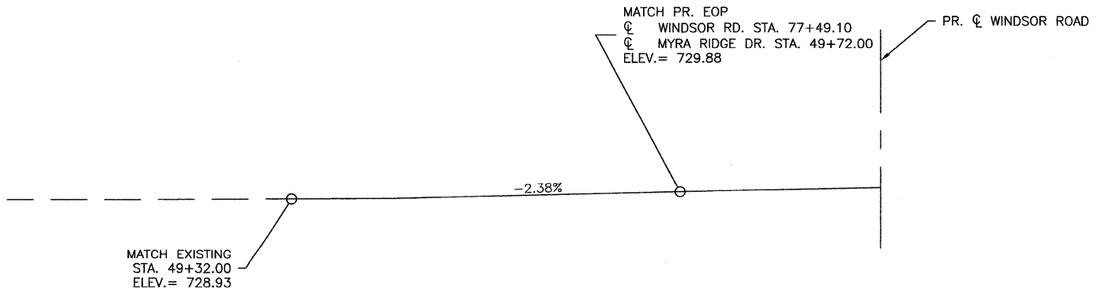
×9.89

7.00 – 9.99 ADD 720.00
0.00 ADD 730.00

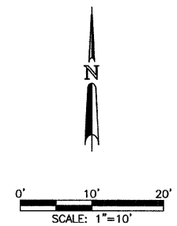
① DRAINAGE STRUCTURE NO. (SEE DRAINAGE SHEETS)



MYRA RIDGE DRIVE SOUTH LEG PLAN



MYRA RIDGE DRIVE SOUTH LEG PROFILE
NO SCALE



CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

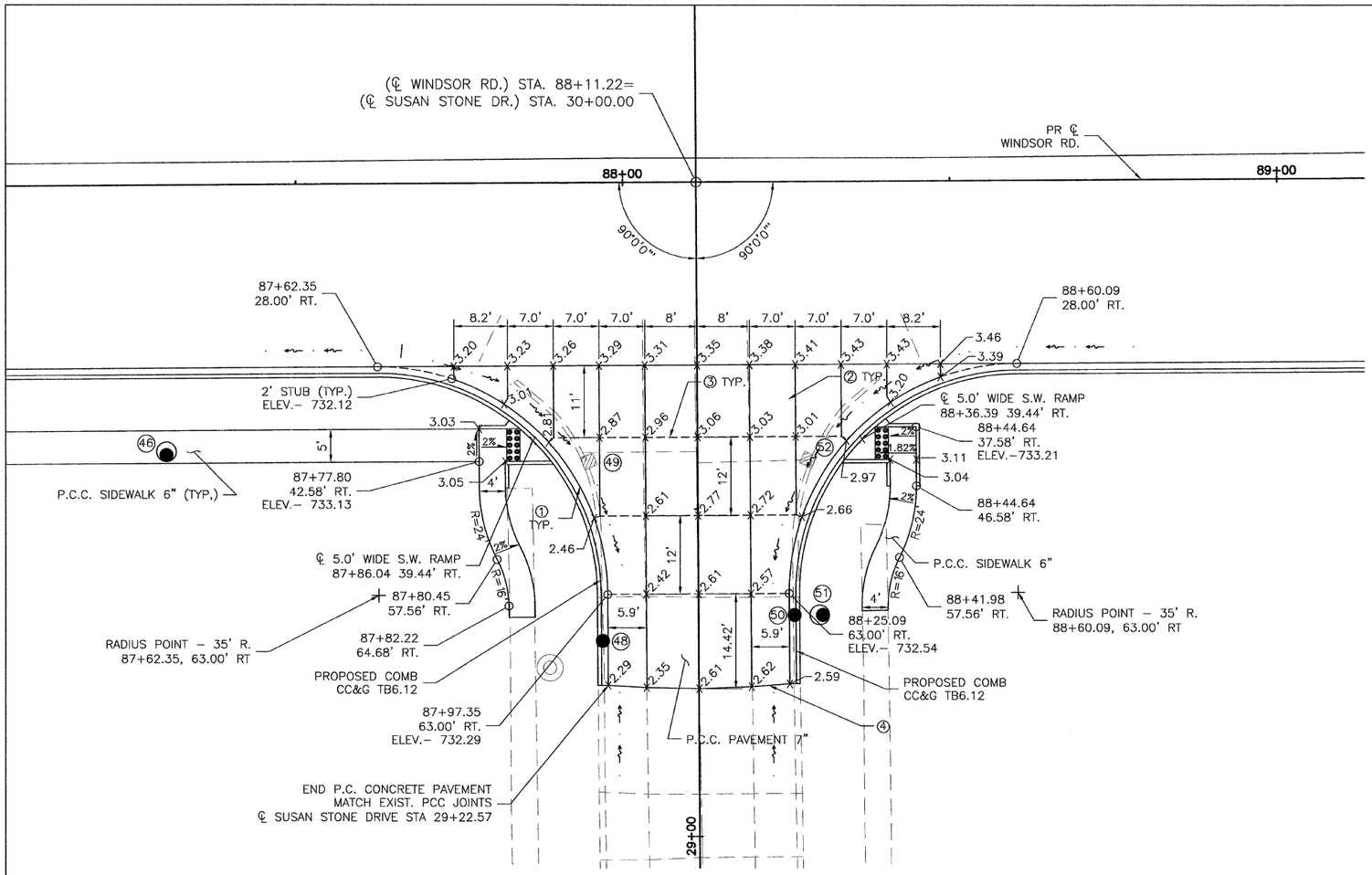
DATED: 1/09
DESIGNED BY: CES
DRAWN BY: AJS
CHECKED BY: GLJ
CITY SECTION
00-00361-00-PV

WINDSOR ROAD IMPROVEMENTS
INTERSECTION DETAILS
MYRA RIDGE DRIVE SOUTH LEG

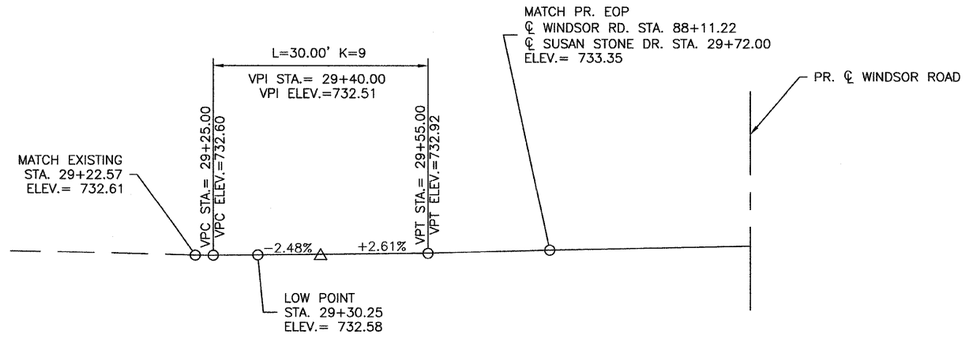
SHEET NO.
71
OF
145

JAN 08 2009 7:49AM INTDETAILS 02.DWG

CONTRACT NO. 91391

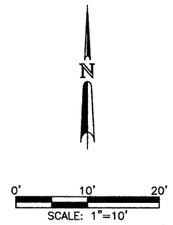


SUSAN STONE DRIVE PLAN



SUSAN STONE DRIVE PROFILE

NO SCALE



PAVEMENT JOINT KEY

① LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 X 30" TIE BARS AT 24" CENTERS FORMED IN PLACE (STD. 420001).

② SAWED LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 X 30" TIE BARS AT 24" CENTERS (STD. BLR 10 TYPE E).

③ SAWED TRANSVERSE JOINT (STD. BLR 10 TYPE C).

④ TRANSVERSE CONSTRUCTION JOINT WITH 1" DIA. X 18" DOWEL BARS AT 12" CENTERS (STD. 420001).

NOTES:

1. THE FINAL FINISH OF THE P.C. CONCRETE PAVEMENT SHALL BE TYPE B IN ACCORDANCE WITH ARTICLE 402.09(e)(2) OF THE STANDARD SPECIFICATIONS.
2. THE 2' STUBS SHALL BE POURED MONOLITHIC WITH THE COMBINATION CONCRETE CURB AND GUTTER. THE COST OF THE ADDITIONAL GUTTER FLAG WIDTH SHALL BE INCLUDED IN THE COST OF THE COMBINATION CONCRETE CURB AND GUTTER, TYPE B–6.12.
3. ALL SAWED TRANSVERSE CONTRACTION JOINTS IN THE PAVEMENT MUST EXTEND THROUGH THE CURB AND GUTTER.
4. ALL SAWED JOINTS IN THE PAVEMENT AND CURB AND GUTTER SHALL BE SEALED WITH A JOINT SEALER MEETING THE REQUIREMENTS OF ARTICLE 606.07 OF THE STANDARD SPECIFICATIONS.
5. TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 420 OF THE STANDARD SPECIFICATIONS. THE COST OF FURNISHING AND INSTALLING THE TRANSVERSE CONSTRUCTION JOINTS, INCLUDING DRILLING AND GROUTING, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE VARIOUS CURB AND GUTTER AND/OR PAVEMENT PAY ITEMS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
6. ALL ELEVATIONS REFERRED TO ARE TO TOP OF FINISHED CONSTRCTION.
7. ALL STREET RADII ARE DIMENSIONED TO THE EDGE OF PAVEMENT, UNLESS OTHERWISE SHOWN.

LEGEND

+3.12

2.00 – 3.99 ADD 730.00

① DRAINAGE STRUCTURE NO. (SEE DRAINAGE SHEETS)

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DATED: 1/09
DESIGNED BY: CES
DRAWN BY: AJS
CHECKED BY: GLJ
CITY SECTION
00–00361–00–PV

WINDSOR ROAD IMPROVEMENTS
INTERSECTION DETAILS
SUSAN STONE DRIVE

SHEET NO. 72 OF 145

JAN 08 2009 7:50AM INTDETAILS 03.DWG

CONTRACT NO. 91391

PAVEMENT JOINT KEY

① LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 X 30" TIE BARS AT 24" CENTERS FORMED IN PLACE (STD. 420001).

② SAWED LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 X 30" TIE BARS AT 24" CENTERS (STD. BLR 10 TYPE E).

③ SAWED TRANSVERSE JOINT (STD. BLR 10 TYPE C).

④ TRANSVERSE CONSTRUCTION JOINT WITH 1" DIA. X 18" DOWEL BARS AT 12" CENTERS (STD. 420001).

NOTES:

1. THE FINAL FINISH OF THE P.C. CONCRETE PAVEMENT SHALL BE TYPE B IN ACCORDANCE WITH ARTICLE 402.09(e)(2) OF THE STANDARD SPECIFICATIONS.
2. THE 2' STUBS SHALL BE POURED MONOLITHIC WITH THE COMBINATION CONCRETE CURB AND GUTTER. THE COST OF THE ADDITIONAL GUTTER FLAG WIDTH SHALL BE INCLUDED IN THE COST OF THE COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12.
3. ALL SAWED TRANSVERSE CONTRACTION JOINTS IN THE PAVEMENT MUST EXTEND THROUGH THE CURB AND GUTTER.
4. ALL SAWED JOINTS IN THE PAVEMENT AND CURB AND GUTTER SHALL BE SEALED WITH A JOINT SEALER MEETING THE REQUIREMENTS OF ARTICLE 606.07 OF THE STANDARD SPECIFICATIONS.
5. TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 420 OF THE STANDARD SPECIFICATIONS. THE COST OF FURNISHING AND INSTALLING THE TRANSVERSE CONSTRUCTION JOINTS, INCLUDING DRILLING AND GROUTING, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE VARIOUS CURB AND GUTTER AND/OR PAVEMENT PAY ITEMS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
6. ALL ELEVATIONS REFERRED TO ARE TO TOP OF FINISHED CONSTRCTION.
7. ALL STREET RADII ARE DIMENSIONED TO THE EDGE OF PAVEMENT, UNLESS OTHERWISE SHOWN.

LEGEND

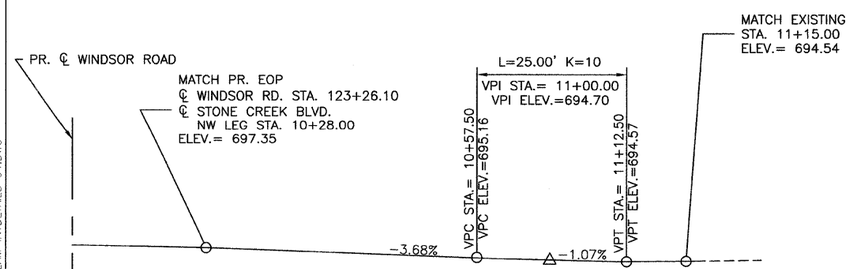
+6.89 4.00 – 7.99 ADD 690.00

PCC PAVEMENT, 7" (COLORED) SEE SPECIAL PROVISIONS

① DRAINAGE STRUCTURE NO. (SEE DRAINAGE SHEETS)

POINT	STATION	OFFSET	ELEVATION
A	122+82.06	–34.58	697.36
B	122+92.10	–34.61	697.24
C	123+04.10	–35.58	697.11
D	123+14.10	–37.48	697.00
E	123+26.10	–39.80	696.92
F	123+38.10	–40.58	696.94
G	123+43.70	–40.58	696.95
H	123+63.16	–40.58	696.96
I	123+72.87	–40.58	696.85
J	123+79.87	–40.31	696.78
K	123+88.37	–39.29	696.73
L	123+97.37	–37.37	696.73
M	124+06.37	–35.66	696.73
N	124+18.37	–34.62	696.75
O	124+27.24	–34.58	696.76

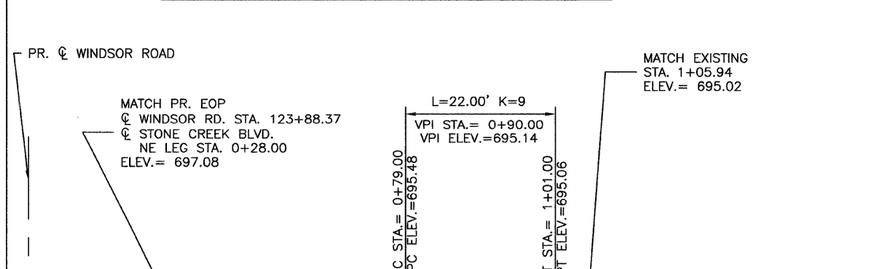
STONE CREEK BOULEVARD NW LEG PLAN



STONE CREEK BOULEVARD NW LEG PROFILE

NO SCALE

STONE CREEK BOULEVARD NE LEG PLAN



STONE CREEK BOULEVARD NE LEG PROFILE

NO SCALE

JAN 08 2009 7:52AM INTDETAILS 04.DWG

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

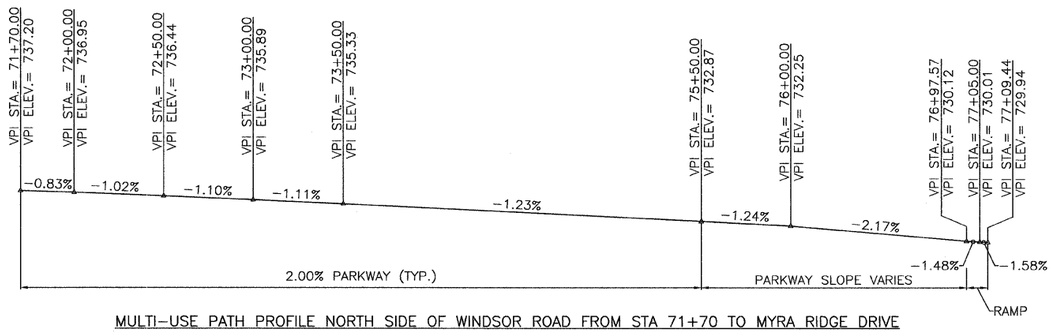
DRAWN BY: JSC
CHECKED BY: GLJ
DESIGNED BY: CES
DATED: 1/09

CITY SECTION
00-00361-00-PV

WINDSOR ROAD IMPROVEMENTS
INTERSECTION DETAILS
STONE CREEK BOULEVARD

SHEET NO. 73 OF 145

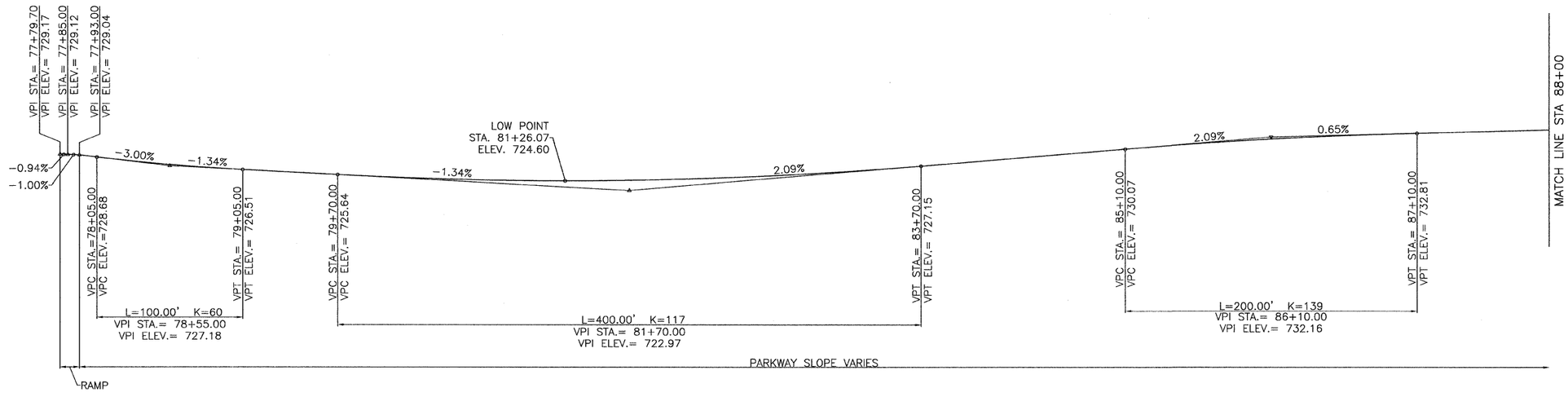
CONTRACT NO. 91391



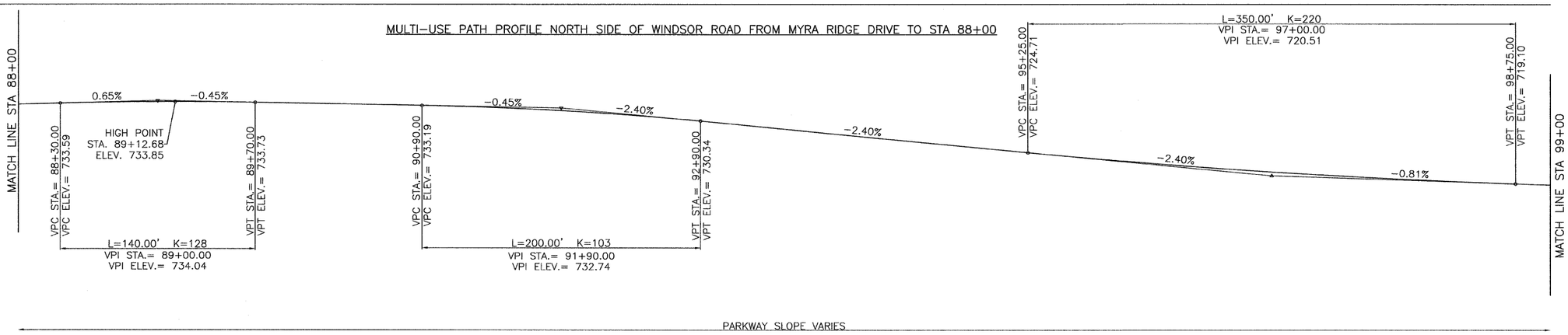
MULTI-USE PATH PROFILE NORTH SIDE OF WINDSOR ROAD FROM STA 71+70 TO MYRA RIDGE DRIVE

P.G.L. IS LOCATED AT INSIDE EDGE OF MULTI-USE PATH OR SIDEWALK. (SEE TYPICAL SECTIONS)

0' 40' 80'
SCALE: 1"=40'



MULTI-USE PATH PROFILE NORTH SIDE OF WINDSOR ROAD FROM MYRA RIDGE DRIVE TO STA 88+00



MULTI-USE PATH PROFILE NORTH SIDE OF WINDSOR ROAD FROM STA 88+00 TO STA 99+00

JAN 07 2009 4:38PM MPSWPROFILE 01.DWG

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DATED: 1/09
DRAWN BY: AJS
DESIGNED BY: CES
CHECKED BY: GLJ
CITY SECTION
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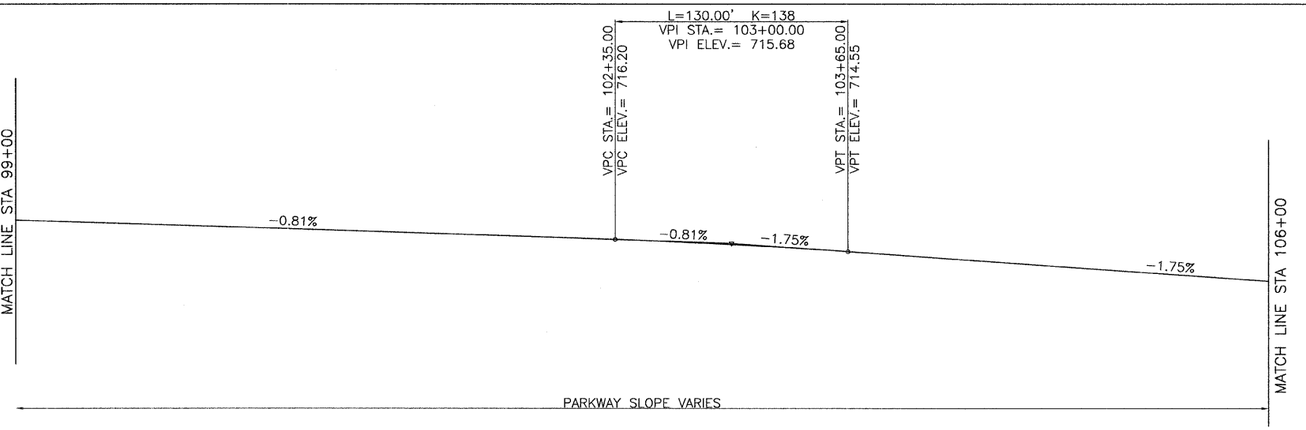
WINDSOR ROAD IMPROVEMENTS
MULTI-USE PATH & SIDEWALK PROFILES

SHEET NO.
74
OF
145

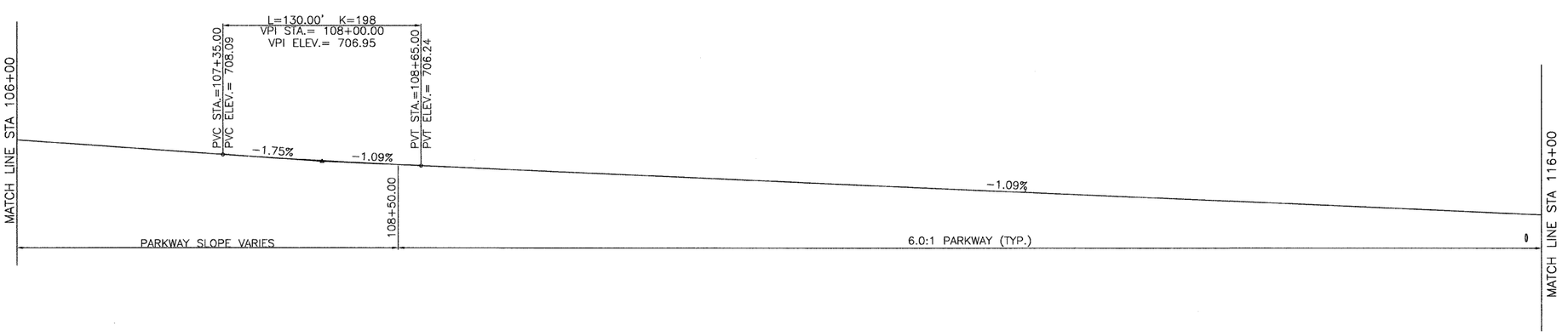
CONTRACT NO. 91391



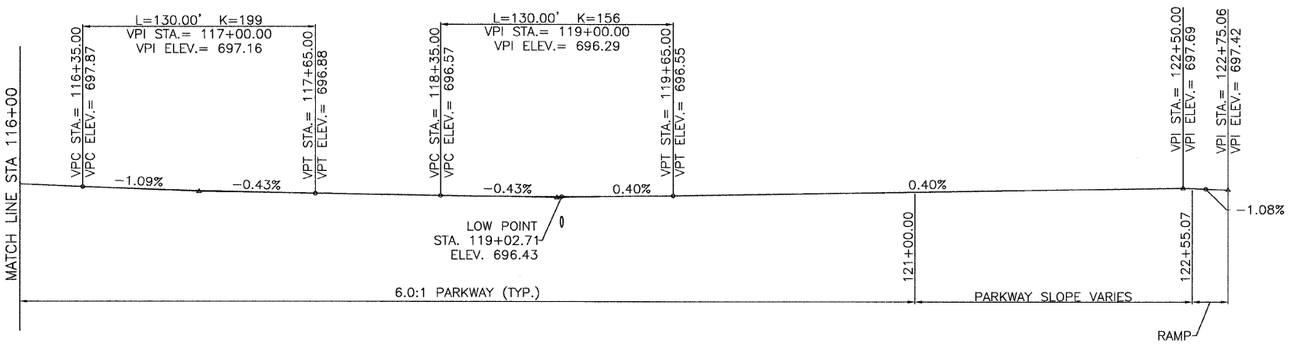
MULTI-USE PATH PROFILE NORTH SIDE OF WINDSOR ROAD FROM STA 99+00 TO STA 106+00

P.G.L. IS LOCATED AT INSIDE EDGE OF MULTI-USE PATH OR SIDEWALK. (SEE TYPICAL SECTIONS)

0' 40' 80'
SCALE: 1"=40'



MULTI-USE PATH PROFILE NORTH SIDE OF WINDSOR ROAD FROM STA 106+00 TO STA 116+00



MULTI-USE PATH PROFILE NORTH SIDE OF WINDSOR ROAD FROM STA 116+00 TO STONE CREEK BLVD.

JAN 07 2009 4:38PM MPSWPROFILE 02.DWG

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DATED: 1/09
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CITY SECTION
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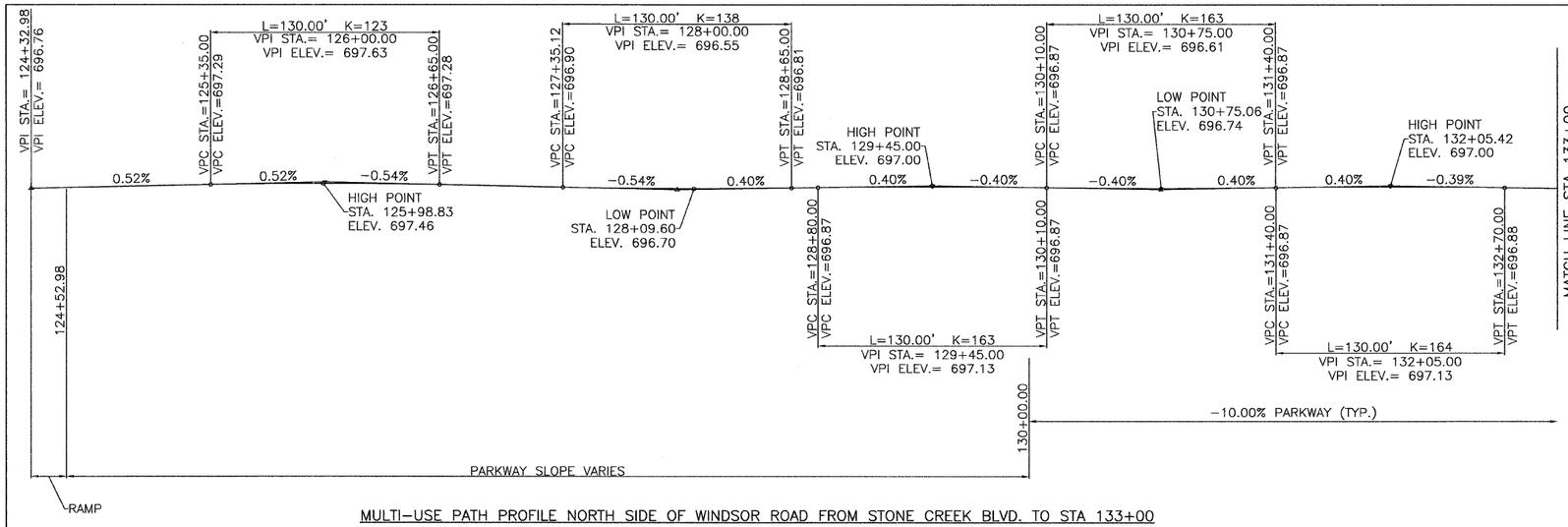
WINDSOR ROAD IMPROVEMENTS
MULTI-USE PATH & SIDEWALK PROFILES

SHEET NO.
75
OF
145

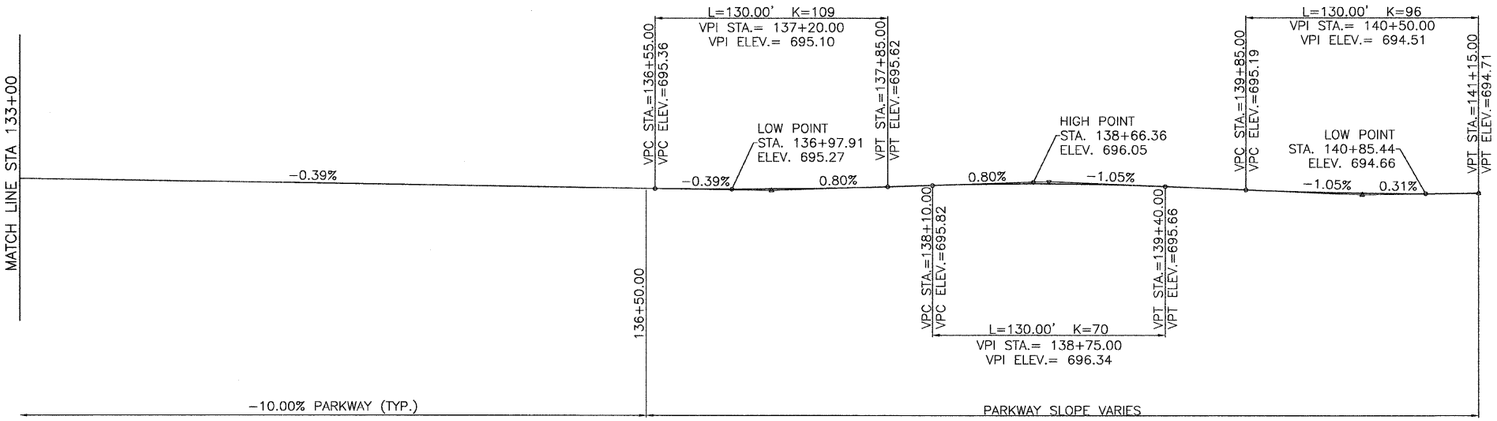
CONTRACT NO. 91391



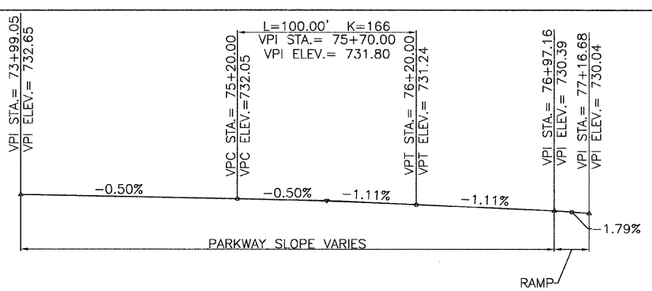
MULTI−USE PATH PROFILE NORTH SIDE OF WINDSOR ROAD FROM STONE CREEK BLVD. TO STA 133+00

0' 40' 80'
SCALE: 1"=40'

P.G.L. IS LOCATED AT INSIDE EDGE OF MULTI−USE PATH OR SIDEWALK. (SEE TYPICAL SECTIONS)



MULTI−USE PATH PROFILE NORTH SIDE OF WINDSOR ROAD FROM STA 133+00 TO STA 141+20



MULTI−USE PATH PROFILE SOUTH SIDE OF WINDSOR ROAD FROM STA 73+99 TO MYRA RIDGE DR.

JAN 07 2009 4:41PM MPSWPROFILE 03.DWG

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DRAWN BY: AJS
CHECKED BY: GLJ
DATED: 1/09
DESIGNED BY: CES
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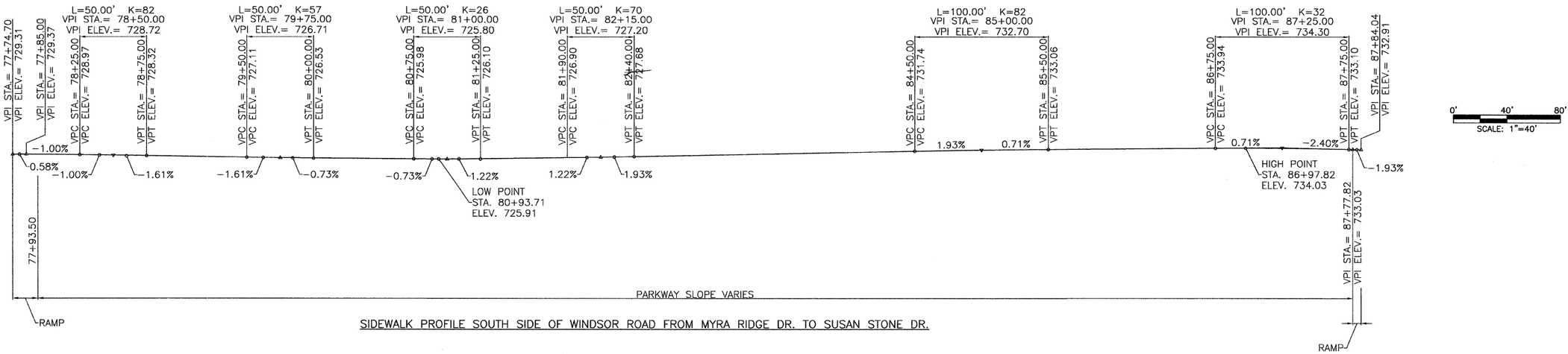
WINDSOR ROAD IMPROVEMENTS
MULTI−USE PATH & SIDEWALK PROFILES

SHEET NO.
76
OF
145

CONTRACT NO. 91391



SIDEWALK PROFILE SOUTH SIDE OF WINDSOR ROAD FROM MYRA RIDGE DR. TO SUSAN STONE DR.

P.G.L. IS LOCATED AT INSIDE EDGE OF MULTI-USE PATH OR SIDEWALK. (SEE TYPICAL SECTIONS)

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DATED: 1/09
DESIGNED BY: CES
DRAWN BY: AJS
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WINDSOR ROAD IMPROVEMENTS
MULTI-USE PATH & SIDEWALK PROFILES

SHEET NO.
77
OF
145

JAN 07 2009 4:42PM MPSWPROFILE 04.DWG

CONTRACT NO. 91391

POST AND MAST ARM DATA

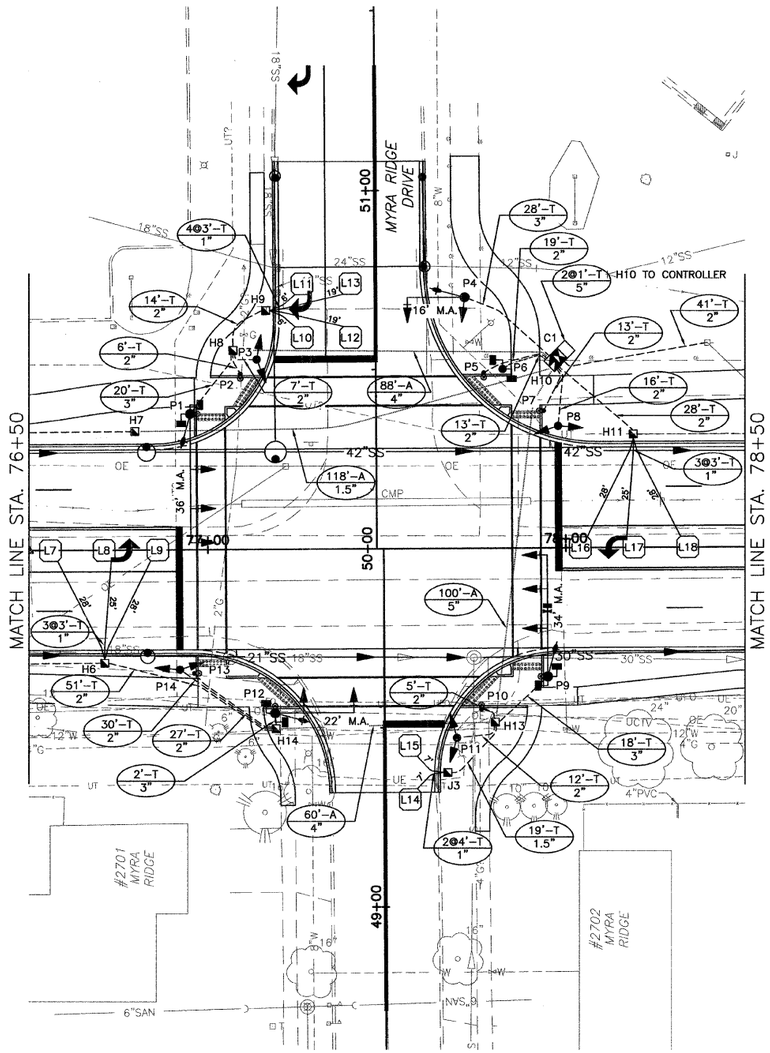
NO.	STATION	OFFSET	DESCRIPTION	FDN.
C1	77+98.41	53.41' LT.	CONTROLLER CABINET AND FOUNDATION, TYPE IV	D
P1	76+95.25	38.00' LT.	STEEL COMB. MAST ARM ASSEMBLY AND POLE 36'	E-30D-13.5'
P2	77+09.31	49.00' LT.	PEDESTRIAN PUSH-BUTTON POST	
P3	77+13.93	53.00' LT.	TRAFFIC SIGNAL POST, 14'	A
P4	77+72.10	70.00' LT.	STEEL COMB. MAST ARM ASSEMBLY AND POLE 16'	E-30D-10'
P5	77+77.31	49.00' LT.	PEDESTRIAN PUSH-BUTTON POST	
P6	77+82.62	50.00' LT.	TRAFFIC SIGNAL POST, 10'	A
P7	77+94.00	38.37' LT.	PEDESTRIAN PUSH-BUTTON POST	
P8	77+98.00	34.12' LT.	TRAFFIC SIGNAL POST, 14'	A
P9	77+94.75	36.00' RT.	STEEL COMB. MAST ARM ASSEMBLY AND POLE 34'	E-30D-13.5'
P10	77+76.12	45.00' RT	PEDESTRIAN PUSH-BUTTON POST	
P11	77+69.26	52.90' RT.	TRAFFIC SIGNAL POST, 12'	A
P12	77+18.50	45.75' RT.	STEEL COMB. MAST ARM ASSEMBLY AND POLE 22'	E-30D-10'
P13	76+96.00	34.60' RT.	PEDESTRIAN PUSH-BUTTON POST	
P14	76+92.00	33.58' RT.	TRAFFIC SIGNAL POST, 14'	A

HANDHOLE AND JUNCTION BOX DATA

NO.	STATION	OFFSET	DESCRIPTION
H1	71+59.58	31.98' RT.	EXISTING HANDHOLE, COMPOSITE CONCRETE
H2	73+10.00	33.17' RT.	HANDHOLE, COMPOSITE CONCRETE
H3	74+57.00	33.17' RT.	HANDHOLE, COMPOSITE CONCRETE
H4	74+67.10	33.17' LT.	HANDHOLE, COMPOSITE CONCRETE
H5	75+83.78	31.67' RT.	HANDHOLE, COMPOSITE CONCRETE
H6	76+71.00	31.67' RT.	HANDHOLE, COMPOSITE CONCRETE
H7	76+79.76	33.17' LT.	HANDHOLE, COMPOSITE CONCRETE
H8	77+07.31	55.58' LT.	HANDHOLE, COMPOSITE CONCRETE
H9	77+16.53	66.50' LT.	HANDHOLE, COMPOSITE CONCRETE
H10	77+96.53	51.59' LT.	DOUBLE HANDHOLE, COMPOSITE CONCRETE
H11	78+19.00	31.67' LT.	HANDHOLE, COMPOSITE CONCRETE
H12	79+06.00	31.67' LT.	HANDHOLE, COMPOSITE CONCRETE
H13	77+80.00	48.58' RT.	HANDHOLE, COMPOSITE CONCRETE
H14	77+18.75	50.08' RT.	HANDHOLE, COMPOSITE CONCRETE
J1	72+53.47	42.33' LT.	EXISTING JUNCTION BOX, POLYMER CONCRETE, 12" X 12" X 12"
J1a	72+48.01	38.68' LT.	RELOCATED EXISTING JUNCTION BOX J1
J2	74+68.79	31.08' LT.	JUNCTION BOX, POLYMER CONCRETE, 12" X 12" X 12"
J3	77+66.62	62.50' RT.	JUNCTION BOX, POLYMER CONCRETE, 12" X 12" X 12"
J4	80+21.00	31.08' LT.	JUNCTION BOX, POLYMER CONCRETE, 12" X 12" X 12"

DETECTOR LOOP DATA

NO.	STATION	OFFSET	DESCRIPTION
L1	72+55.00	11.50' LT.	6' X 6' DETECTOR LOOP
L2	72+55.00	22.50' LT.	6' X 6' DETECTOR LOOP
L3	74+62.00	22.50' RT.	6' X 6' DETECTOR LOOP
L4	74+62.00	11.50' RT.	6' X 6' DETECTOR LOOP
L5	75+77.00	22.50' RT.	6' X 6' DETECTOR LOOP
L6	75+77.00	11.50' RT.	6' X 6' DETECTOR LOOP
L7	76+56.00	CL	6' X 6' DETECTOR LOOP
L8	76+71.00	CL	6' X 6' DETECTOR LOOP
L9	76+86.00	CL	6' X 6' DETECTOR LOOP
L10	77+26.70	59.00' LT.	6' X 6' DETECTOR LOOP
L11	77+26.70	74.00' LT.	6' X 6' DETECTOR LOOP
L12	77+40.20	59.00' LT.	6' X 6' DETECTOR LOOP
L13	77+40.20	74.00' LT.	6' X 6' DETECTOR LOOP
L14	77+56.10	70.00' RT.	6' X 6' DETECTOR LOOP
L15	77+56.10	55.00' RT.	6' X 6' DETECTOR LOOP
L16	78+04.00	CL	6' X 6' DETECTOR LOOP
L17	78+19.00	CL	6' X 6' DETECTOR LOOP
L18	78+34.00	CL	6' X 6' DETECTOR LOOP
L19	79+13.00	11.50' LT.	6' X 6' DETECTOR LOOP
L20	79+13.00	22.50' LT.	6' X 6' DETECTOR LOOP
L21	80+28.00	11.50' LT.	6' X 6' DETECTOR LOOP
L22	80+28.00	22.50' LT.	6' X 6' DETECTOR LOOP
L23	141+42.74	CL	6' X 6' DETECTOR LOOP



NOTES:

1. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION OF CONCRETE FOUNDATIONS.
2. FOR ELECTRICAL SERVICE INFORMATION, REFER TO TRAFFIC SIGNAL GENERAL NOTE NO. 7 AND THE TECHNICAL SPECIFICATIONS.

N

0' 20' 40'
SCALE: 1"=20'

TRAFFIC SIGNAL LEGEND

- CONDUIT AUGERED
- CONDUIT IN TRENCH
- MAST ARM ASSEMBLY AND POLE, STEEL
- SIGNAL POST
- SIGNAL HEAD
- SIGNAL HEAD WITH BACKPLATE
- PEDESTRIAN SIGNAL HEAD
- PEDESTRIAN PUSH-BUTTON POST
- PEDESTRIAN PUSH-BUTTON
- CONFIRMATION BEACON
- EMERGENCY VEHICLE PREEMPTION DETECTOR
- CONTROLLER CABINET
- COMPOSITE HANDHOLE
- COMPOSITE DOUBLE HANDHOLE
- SERVICE INSTALLATION
- LUMINAIRE AND MAST ARM
- A CONDUIT AUGERED
- T CONDUIT IN TRENCH

CONDUIT LENGTH — 17'-T 2" — TYPE OF CONDUIT / CONDUIT SIZE

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

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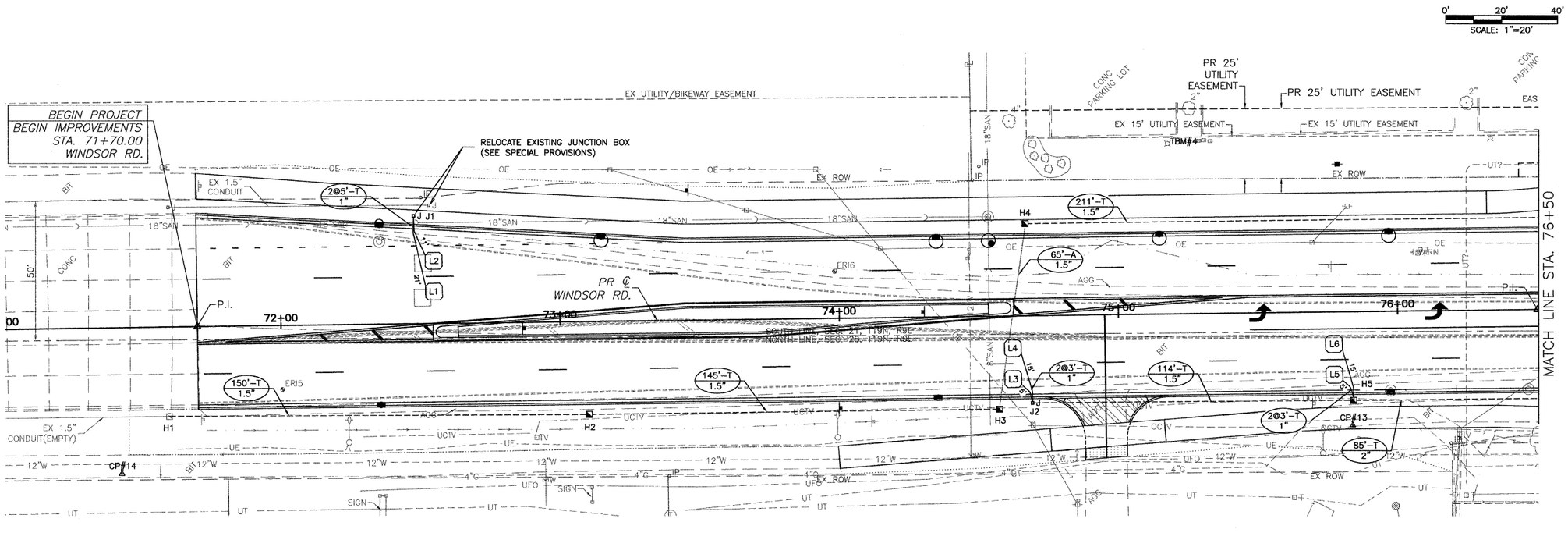
CITY SECTION 00-00361-00-PV

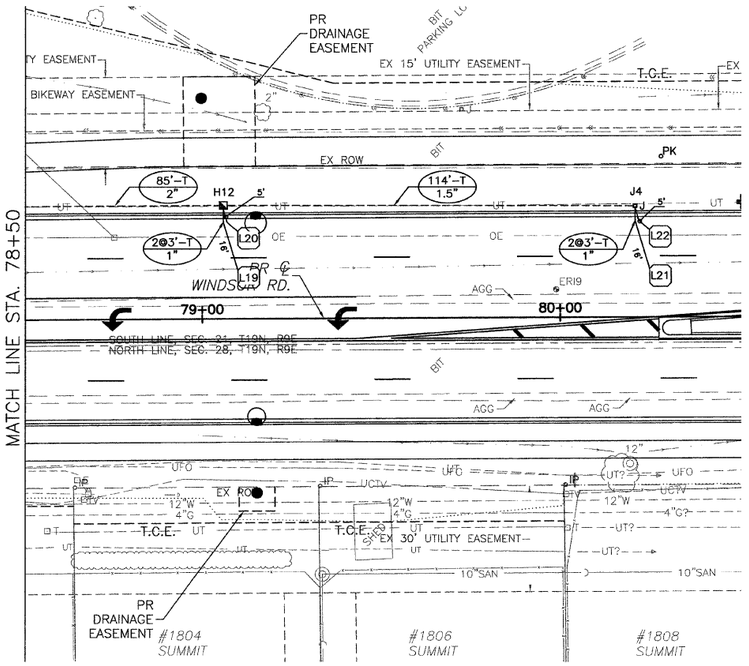
WINDSOR ROAD IMPROVEMENTS
TRAFFIC SIGNAL PLANS
TRAFFIC SIGNAL LAYOUT

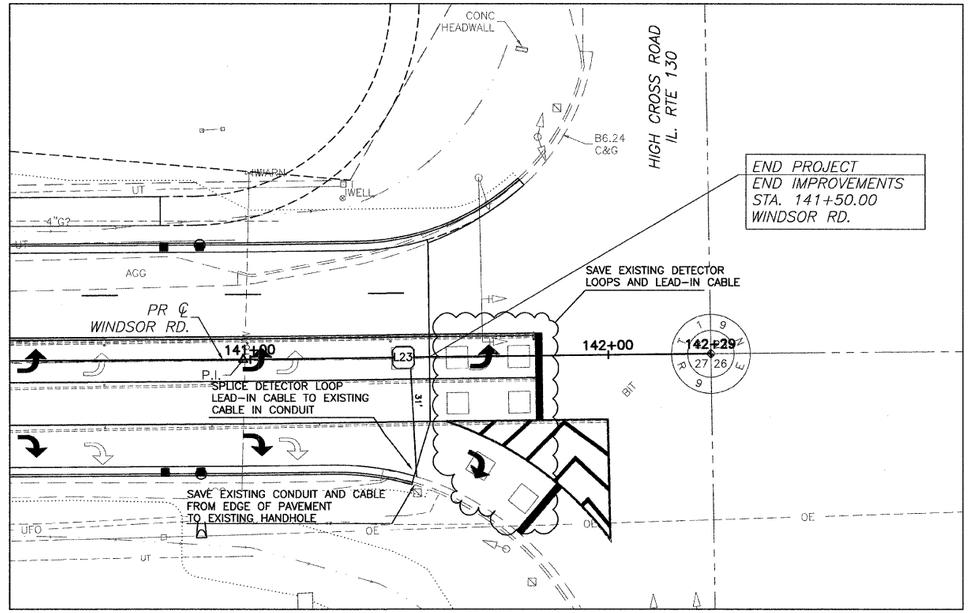
SHEET NO. 78 OF 145

JAN 08 2009 2:25PM SIGNAL 01.DWG

CONTRACT NO. 91391







TRAFFIC SIGNAL MODIFICATION WINDSOR ROAD AND HIGH CROSS ROAD

0' 20' 40'
SCALE: 1"=20'

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

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WINDSOR ROAD IMPROVEMENTS
TRAFFIC SIGNAL PLANS
TRAFFIC SIGNAL LAYOUT

SHEET NO.
79
OF
145

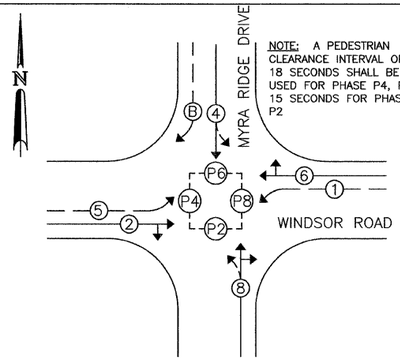
JAN 08 2009 2:27PM SIGNAL 02.DWG

BILL OF MATERIALS

ITEM NO.	ITEM	UNIT	QUANTITY
80500105	SERVICE INSTALLATION, TYPE A, MODIFIED	EACH	1
81012300	CONDUIT IN TRENCH, 1" DIA., PVC	FOOT	72
81012500	CONDUIT IN TRENCH, 1.5" DIA., PVC	FOOT	783
81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	452
81012800	CONDUIT IN TRENCH, 3" DIA., PVC	FOOT	68
81013100	CONDUIT IN TRENCH, 5" DIA., PVC	FOOT	2
81021540	CONDUIT AUGERED, 1.5" DIA., PVC	FOOT	183
81021590	CONDUIT AUGERED, 4" DIA., PVC	FOOT	148
81021600	CONDUIT AUGERED, 5" DIA., PVC	FOOT	100
81306400	RELOCATE EXISTING JUNCTION BOX	EACH	1
81400730	HANDHOLE, COMPOSITE CONCRETE	EACH	12
81400740	DOUBLE HANDHOLE, COMPOSITE CONCRETE	EACH	1
81702100	ELECTRIC CABLE IN CONDUIT, 600V(XLP-TYPE USE), 1/C NO.12	FOOT	1100
81702110	ELECTRIC CABLE IN CONDUIT, 600V(XLP-TYPE USE), 1/C NO.10	FOOT	1525
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1377
85700200	FULL ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
86400100	TRANSCEIVER-FIBER OPTIC	EACH	1
87100140	FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125, 12F	FOOT	1100
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2/C	FOOT	1125
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3/C	FOOT	250
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5/C	FOOT	1300
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7/C	FOOT	1800
87301515	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 3PAIR	FOOT	2025
87500600	TRAFFIC SIGNAL POST, 10 FT.	EACH	1
87500800	TRAFFIC SIGNAL POST, 12 FT.	EACH	1
87501000	TRAFFIC SIGNAL POST, 14 FT.	EACH	3
87600100	PEDESTRIAN PUSH BUTTON POST, TYPE 1	EACH	5
87702810	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 16 FT.	EACH	1
87702840	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 22 FT.	EACH	1
87702900	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	1
87702910	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	15
87800200	CONCRETE FOUNDATION, TYPE D	FOOT	3.5
87800400	CONCRETE FOUNDATION, TYPE E, 30-INCH DIAMETER	FOOT	47
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	6
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	3
88042230	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	3
88200100	TRAFFIC SIGNAL BACKPLATE	EACH	9
88600100	DETECTOR LOOP, TYPE 1	FOOT	924
88700200	LIGHT DETECTOR	EACH	1
88700300	LIGHT DETECTOR AMPLIFIER	EACH	1
88800100	PEDESTRIAN PUSH BUTTON	EACH	8
XX003581	ELECTRIC CABLE IN CONDUIT, SERVICE NO. 6 1C	FOOT	150
X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING NO. 6 1/C	FOOT	625
X8730250	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	200
X8850106	INDUCTIVE LOOP DETECTOR, RACK MOUNTED	EACH	9
XX006511	LUMINAIRE, METAL HALIDE, SPECIAL, 400 WATT	EACH	3
XX006512	LUMINAIRE, METAL HALIDE, SPECIAL, 400 WATT WITH PHOTOCELL	EACH	1
XX006514	JUNCTION BOX, POLYMER CONCRETE, 12"X12"X12"	EACH	3
XX006533	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED, COUNTDOWN TIMER	EACH	8

TRAFFIC SIGNAL GENERAL NOTES

1. THE ACTUAL LOCATIONS OF ALL SIGNAL FOUNDATIONS, HANDHOLES, AND THE TRAFFIC SIGNAL CONTROLLER WILL BE VERIFIED IN THE FIELD BY THE ENGINEER.
2. POST MOUNTED SIGNAL HEADS WILL BE INSTALLED SUCH THAT NO PART OF THE SIGNAL HEAD IS WITHIN TWO (2) FEET OF THE FACE OF CURB. MAST ARM POLES WILL BE PLACED SUCH THAT A MINIMUM DISTANCE OF SIX (6) FEET IS MAINTAINED BETWEEN THE CENTER OF THE POLE AND THE FACE OF CURB (ON THE MAST ARM SIDE).
3. 12" LENSES WILL BE USED ON ALL SIGNAL FACES.
4. THE LUMINAIRE ARM, LUMINAIRE POLE WIRING, AND LUMINAIRE SHALL BE ERECTED WITH THE TRAFFIC SIGNAL MAST ARM POLE. THE LUMINAIRE SHALL HAVE A 400 WATT HELIOS HBM METAL HALIDE LUMINAIRE AND AN M-C-III DISTRIBUTION. LUMINAIRE SHALL NOT HAVE INDIVIDUAL PHOTOCELLS AND WILL BE CONTROLLED BE A PHOTOCELL IN THE STREET LIGHT NEAREST THE CONTROLLER.
5. THE CONTRACTOR SHALL VERIFY, BY POTHOLING, THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
6. A ¼" CONTINOUS NYLON ROPE SHALL BE FURNISHED AND LEFT IN PLACE IN ALL CONDUITS BETWEEN HANDHOLES, FOUNDATIONS, AND CONTROLLERS. THE ROPE SHALL BE INCLUDED IN THE COST OF THE RESPECTIVE CONDUIT PAY ITEM.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ELECTRICAL SERVICE FOR THE TRAFFIC SIGNALS. THE CONTRACTOR SHALL CONTACT THE UTILITY COMPANY PRIOR TO COMMENCEMENT OF WORK TO OBTAIN UTILITY COMPANY REQUIREMENTS FOR THE SERVICE INSTALLIATION. THE CONTRACTOR SHALL ARRANGE FOR A PERMIT AND INSPECTION OF THE SERVICE BY THE CITY OF URBANA ELECTRICAL INSPECTOR.
8. THE CONTROLLER SHALL BE ORIENTED SUCH THAT INTERSECTION OPERATION AND CONTROLLER COMPONENTS CAN BE VIEWED SIMULTANEOUSLY AND NOT PLACED TO INTERFERE WITH VISIBILITY SIGHT LINES FOR VEHICLES TURNING RIGHT ON RED.
9. INITIAL CONTROLLER PROGRAMMING OF SIGNAL TIMING ARE PROVIDED HERE. THE CITY OF URBANA TRAFFIC SIGNAL TECHNICIAN MAY ALTER THE TIMINGS IN THE FIELD TO MATCH CONDITIONS.
10. THE NECESSARY CONNECTIONS FOR PROPER OPERATION OF THE EMERGENCY VEHICLE PRIORITY SYSTEM SHALL BE INCLUDED IN THE COST OF THE LIGHT DETECTOR. LIGHT CABLE TO BE PAID SEPARATELY AND BE NO. 18 COMM 3 PAIR TWISTED AND SHIELDED.
11. THE ELECTRIC CABLE FOR THE LIGHT DETECTOR SHALL BE A CONTINOUS UNBROKEN RUN FROM THE LIGHT DETECTOR TO THE LIGHT DETECTOR AMPLIFIER. SPLICES SHALL NOT BE ALLOWED.
12. A PEDESTRIAN PUSH-BUTTON SIGN WILL BE MOUNTED ABOVE EACH PEDESTRIAN PUSH-BUTTON.
13. THE CONCRETE FOUNDATION FOR THE PEDESTRIAN PUSH-BUTTON POST SHALL BE INCLUDED IN THE COST OF THE PEDESTRIAN PUSH-BUTTON POST, TYPE I.
14. ALL LOOP DETECTOR STATIONS AND OFFSETS INDICATED ARE TO THE CENTER OF THE 6'X6' LOOP.
15. ALL PEDESTRIAN PUSH-BUTTONS SHALL BE MOUNTED A MAXIMUM TEN (10) INCHES FROM THE EDGE OF WALK. ALL PEDESTRIAN PUSH-BUTTON POSTS SHALL BE A MAXIMUM OF TEN (10) FEET FROM THE FACE OF CURB. THE CONTRACTOR SHALL ENSURE THESE REQUIREMENTS ARE MET AS EQUIPMENT IS LOCATED IN THE FIELD.
16. SEE THE PAVEMENT MARKING PLANS FOR THE LOCATION OF PAVEMENT MARKINGS.



PHASING DIGRAM

NOTE: A PEDESTRIAN CLEARANCE INTERVAL OF 18 SECONDS SHALL BE USED FOR PHASE P4, P6 & P8, 15 SECONDS FOR PHASE P2

SUGGESTED TIMINGS								
PHASE:	1	2	3	4	5	6	7	8
MIN. GRN.	7.0	25.0		15.0	5.0	25.0		15.0
SEC./ ACT.		1.2				1.2		
MAX. GRN.	11.0	50.0		30.0	7.0	50.0		30.0
PASSAGE	2.0	3.0		3.0	2.0	3.0		3.0
MIN. GAP						2.5		
AMB. CLR.	3.0	3.5		3.5	3.0	3.5		3.5
RED CLR.	1.0	1.5		1.5	1.0	1.5		1.5
WALK		7.0		7.0		7.0		7.0
PED CLR.		15.0		18.0		18.0		18.0

DETECTOR LOOP DATA

LOOP:	SIZE:	MODE:	QUADRA-POLE	DELAY
7,8,9,10, 11,12,13,14, 15,16,17,18,	6.0 ft.x6.0 ft.	PRESENCE	NO	0
3,4,21,22	6.0 ft.x6.0 ft.	PULSE	NO	0
5,6,19,20	6.0 ft.x6.0 ft.	PULSE GREEN ONLY	NO	0
10,11,14,15	6.0 ft.x6.0 ft.	PRESENCE	NO	8

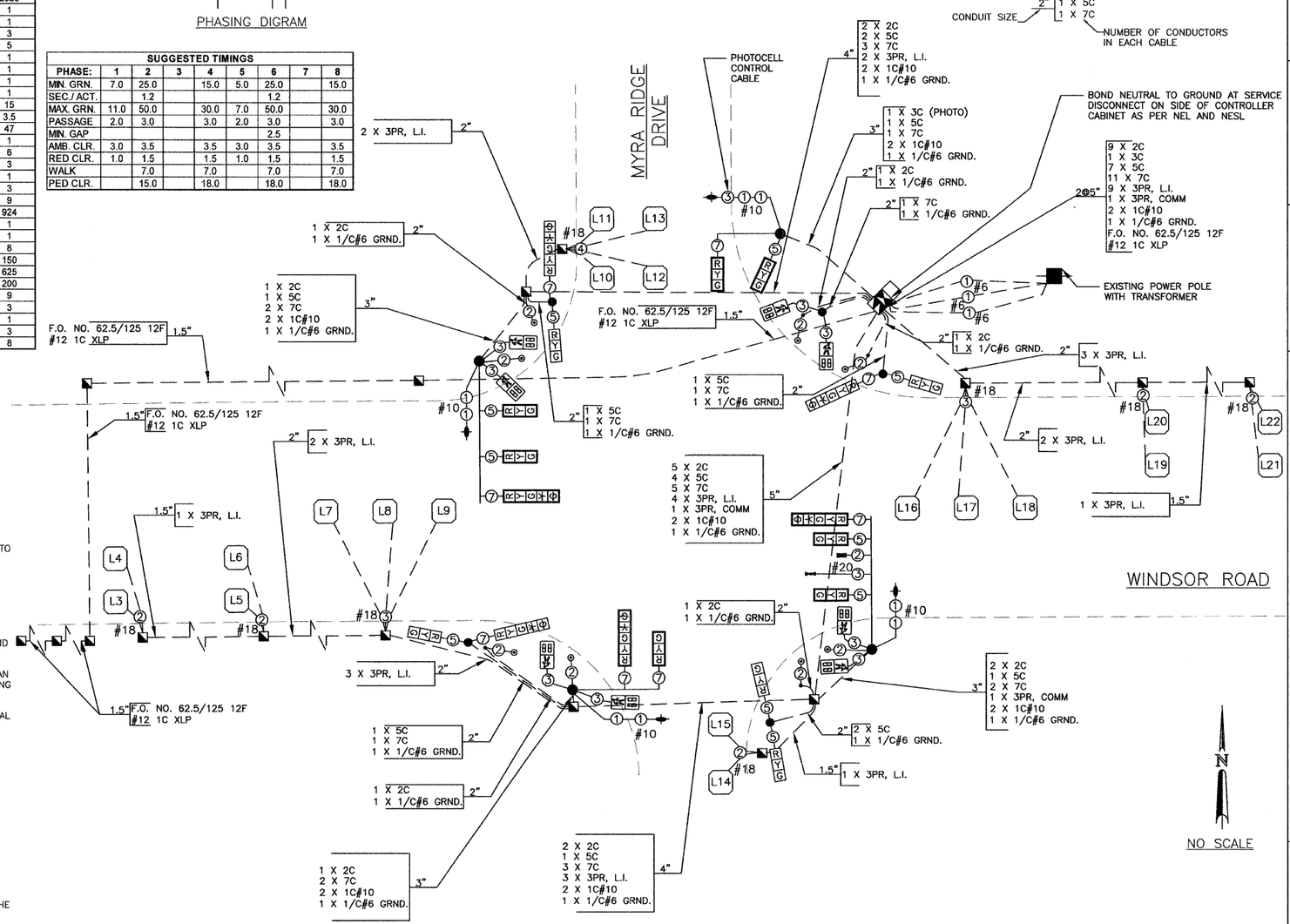
THE FOLLOWING LOOPS SHALL BE WIRED TO COMMON AMPLIFIERS:
(3,4), (5,6), (7,8,9), (10,11), (12,13), (14,15), (16,17,18), (19,20), (21,22), – 9 AMPLIFIERS TOTAL REQUIRED
THE CONTROLLER SHALL BE SET TO MINIMUM RECALL WINDSOR ROAD

CABLE DIAGRAM LEGEND

- CONTROLLER CABINET
- SIGNAL FACE(S)
- SIGNAL FACE(S) AND BLACKPLATE(S)
- PEDESTRIAN PUSH-BUTTON DETECTOR
- PEDESTRIAN SIGNAL FACE
- CONFIRMATION BEACON
- EMERGENCY VEHICLE PREEMPTION DETECTOR
- SERVICE INSTALLATION
- (#) DENOTES NUMBER OF CONDUCTORS ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE NO. 18 3PR TWISTED AND SHIELDED. ALL INTERCONNECT CABLE TO BE FIBER OPTIC CABLE, NO. 62.5/125, 12F.

F.O. FIBER OPTIC CABLE
GRND. GROUND
L.I. LEAD-IN CABLE
PR PAIR

CONDUIT SIZE — 2" — 1 X 5C / 1 X 7C
NUMBER OF CABLES IN CONDUIT
NUMBER OF CONDUCTORS IN EACH CABLE



CONTRACT NO. 91391

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

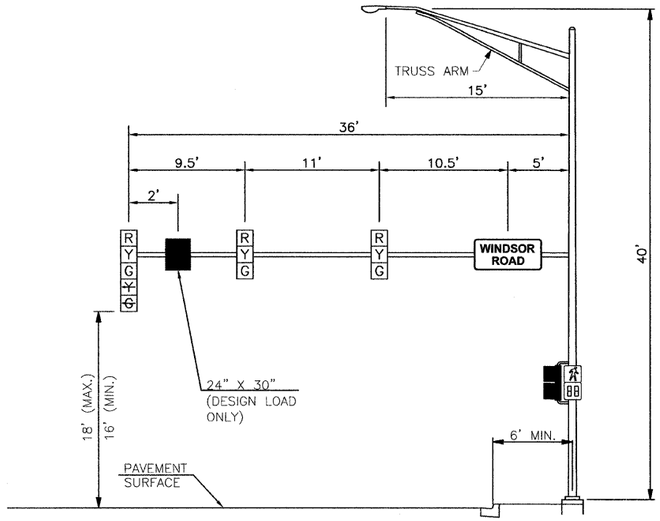
DATED: 1/09
DESIGNED BY: CES
DRAWN BY: AJS
CHECKED BY: GLJ

CITY SECTION
00-00361-00-PV

WINDSOR ROAD IMPROVEMENTS
TRAFFIC SIGNAL PLANS
CABLE PLAN

SHEET NO. 80 OF 145

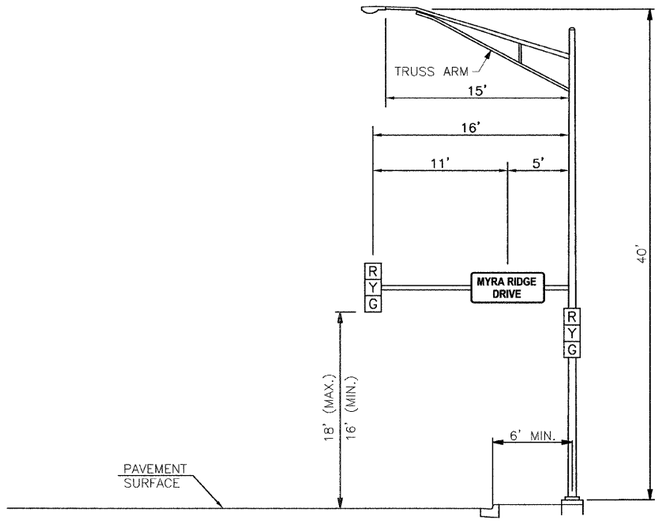
JAN 09 2009 12:42PM SIGNAL 03.DWG



MAST ARM LOADING DIAGRAM
NO SCALE

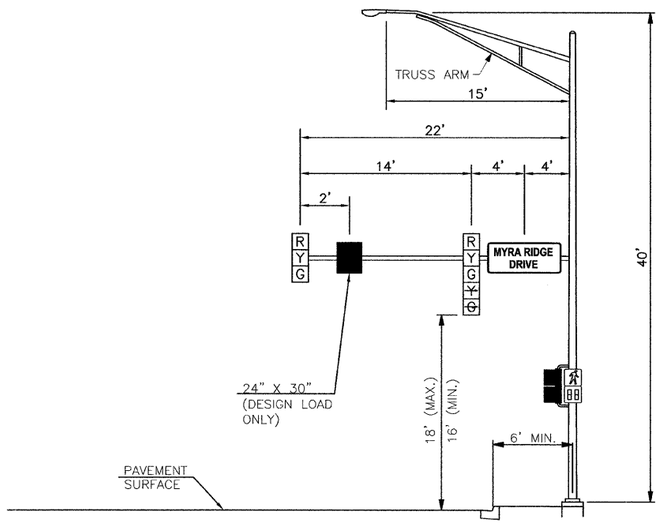
WINDSOR ROAD/MYRA RIDGE DRIVE INTERSECTION
NORTHWEST QUADRANT

MAST ARM DESIGN SHALL MEET MINIMUM DESIGN LOADING REQUIREMENTS PER HIGHWAY STANDARD 877011



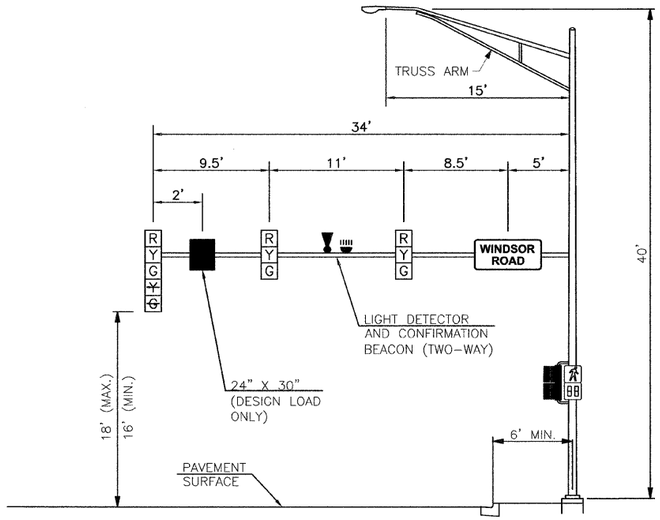
MAST ARM LOADING DIAGRAM
NO SCALE

WINDSOR ROAD/MYRA RIDGE DRIVE INTERSECTION
NORTHEAST QUADRANT



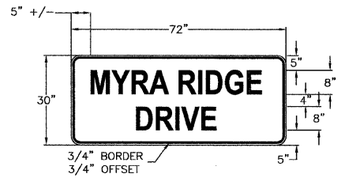
MAST ARM LOADING DIAGRAM
NO SCALE

WINDSOR ROAD/MYRA RIDGE DRIVE INTERSECTION
SOUTHWEST QUADRANT



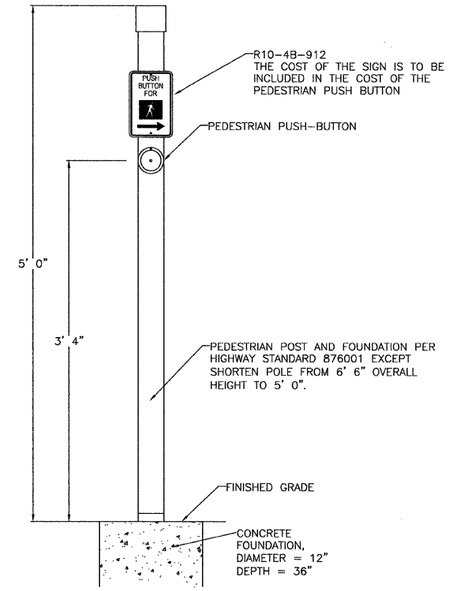
MAST ARM LOADING DIAGRAM
NO SCALE

WINDSOR ROAD/MYRA RIDGE DRIVE INTERSECTION
SOUTHEAST QUADRANT

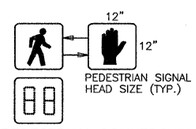


TEXT SPECIFICATIONS
- ALL TEXT IS 8" IN HIGH
- WIDTH SCALE OF 1:1.
- BORDER AND LEGEND : 3M DIAMOND GRADE VIP 3990 WHITE
- BACKGROUND: EC SERIES 1170 GREEN TRANSLUCENT (REVERSE IMAGE)

MAST ARM MOUNTED STREET NAME SIGN PANEL DETAIL



PEDESTRIAN PUSH-BUTTON POST DETAIL
NO SCALE



PEDESTRIAN COUNTDOWN SIGNAL DISPLAY DETAIL
NO SCALE

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DRAWN BY: AJS
CHECKED BY: GLJ
DATED: 1/09
DESIGNED BY: CES
CITY SECTION
00-00361-00-PV

WINDSOR ROAD IMPROVEMENTS
TRAFFIC SIGNAL PLANS
TRAFFIC SIGNAL DETAILS

SHEET NO.
81
OF
145

JAN 08 2009 2:28PM SIGNAL 04.DWG

CONTRACT NO. 91391

SEE LAST SHEET OF ROADWAY LIGHTING PLANS FOR MODIFICATIONS TO EXISTING STREETLIGHTS FROM STATION 64+23 TO STATION 68+71

BEGIN PROJECT
BEGIN IMPROVEMENTS
STA. 71+70.00
WINDSOR RD.

RELOCATE POLE & FOUNDATION TO STA. 65+11 38' RT
SALVAGE LUMINAIRE TO CITY

*REMOVE EXISTING LIGHTING UNIT SALVAGE TO CITY
STA. 65+64 40' RT

ABANDON ALL EXISTING CABLES IN PLACE FROM STA. 68+70 TO STA. 75+74 RT.

RELOCATE POLE & FOUNDATION TO STA. 66+01 LT 2.5' FROM BOC SALVAGE LUMINAIRE TO CITY

PR ℄ WINDSOR RD.

MATCH LINE STA. 75+50

(℄ WINDSOR RD.) STA.77+47.20=
(℄ MYRA RIDGE DR.–NORTH) STA.50+00.00

CHRISTIE CLINIC
#1710 WINDSOR

CARLE CLINIC
#1818 WINDSOR

MYRA RIDGE DRIVE

SCALE: 1"=20'

MATCH LINE STA. 75+50

MATCH LINE STA. 80+00

RELOCATE POLE & FOUNDATION TO STA. 67+81 LT 2.5' FROM BOC SALVAGE LUMINAIRE TO CITY

CELL TOWER
#1705 WINDSOR

#2701 MYRA RIDGE

REMOVE EXISTING LIGHTING UNIT, SALVAGE TO CITY

#2702 MYRA RIDGE

SALVAGE CONTROLLER CABINET TO CITY

ABANDON ALL EXISTING CABLES IN PLACE FROM STA. 77+28 TO STA. 78+75 RT.

#1804 SUMMIT

(℄ WINDSOR RD.) STA.77+49.10=
(℄ MYRA RIDGE DR.–SOUTH) STA.50+00.00

#1806 SUMMIT

PR ℄ WINDSOR RD.

ROADWAY LIGHTING LEGEND

— UE — CONDUIT IN TRENCH OR AUGERED WHERE INDICATED

PROPOSED 400W MH LUMINAIRE WITH M–C–III DISTRIBUTION, WITH 15' TRUSS ARM MOUNTED ON TRAFFIC SIGNAL MAST ARM POLE. TRUSS ARM ORIENTATION SHALL BE AS INDICATED ON PLANS. TRUSS ARM, POLE, AND POLE FOUNDATION TO BE PROVIDED AND INSTALLED AS PART OF THE TRAFFIC SIGNAL INSTALLATION. COORDINATE LUMINAIRE INSTALLATION WITH POLE AND SIGNAL INSTALLATION.

PROPOSED TRAFFIC SIGNAL CONTROLLER CABINET

PROPOSED LIGHTING CONTROLLER

PROPOSED 400W MH LUMINAIRE WITH M–C–III DISTRIBUTION, WITH 10' DAVIT ARM MOUNTED ON 40' POLE, WITH SCREW–IN STEEL FOUNDATION.

▫J PROPOSED JUNCTION BOX. ALL JUNCTION BOXES SHALL BE 12"W x 12"L X 12"D UNLESS OTHERWISE NOTED.

PROPOSED TRAFFIC SIGNAL HANDHOLE. (SEE TRAFFIC SIGNAL PLANS FOR LOCATIONS)

CIRCUIT, POLE, & JUNCTION BOX DESIGNATION SCHEME

±74.0 32.0'RT. — POLE LOCATION / POLE OFFSET
A–1 — CIRCUIT / POLE NUMBER
② ▫J

CONDUIT/CABLE SCHEDULE

① (1) 1–1/2" PVC CONDUIT WITH 2–#6, 1–#6 GND.

② (1) 3/4" HDPE UNIT DUCT WITH 2–#10, 1–#10 GND.

③ (1) 2" PVC CONDUIT WITH 4–#6, 2–#6 GND.

ELECTRICAL GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS AND SHALL ARRANGE FOR AN INSPECTION OF THE SERVICE BY THE CITY OF URBANA ELECTRICAL INSPECTOR. THE CONTRACTOR SHALL CONTACT THE UTILITY COMPANY PRIOR TO COMMENCEMENT OF WORK TO OBTAIN THE UTILITY COMPANY'S REQUIRMENTS FOR THE SERVICE INSTALLATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL SUPERVISION, LABOR, MATERIALS AND TOOLS FOR A COMPLETE AND WORKABLE SYSTEM.
2. ALL LOCATIONS AND DIMENSIONS SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL FIELD VERIFY ALL ELECTRICAL EQUIPMENT LOCATIONS AND EQUIPMENT DIMENSIONS.
3. ALL CONDUITS WITH WIRING SHALL BE PROVIDED WITH A COPPER INSULATED GROUNDING CONDUCTOR SIZED IN ACCORDANCE WITH THE 2005 NATIONAL ELECTRICAL CODE.
4. ALL SERVICE LATERAL CONDUITS SHALL BE SCHEDULE 40 PVC EXCEPT ALL ELBOWS AND VERTICAL RISERS WHICH SHALL BE RIGID GALVANIZED STEEL (RGS). ALL ELBOWS SHALL BE LONG RADIUS TYPE. CONTRACTOR SHALL VERIFY AND COMPLY WITH ALL AMEREN IP REQUIRMENTS FOR THE SERVICE INSTALLATION.
5. CONDUIT ROUTING SHOWN IS SCHEMATIC ONLY, CONTRACTOR SHALL COORDINATE EXACT ROUTING AND INSTALLATION WITH ALL OTHER SITE WORK BEING PERFORMED. COORDINATE ALL POLE LOCATIONS WITH ENGINEER IN FIELD.
6. PROVIDE PULLSTRING IN ALL CONDUITS, INCLUDING CONDUITS WITH CONDUCTORS INSTALLED.
7. ALL CONDUIT SHALL BE 24" BELOW FINAL GRADE UNLESS DIRECTED OTHERWISE BY THE ENGINEER. CONTRACTOR IS RESPONSIBLE FOR REPAIR TO ALL UNDERGROUND UTILITIES DAMAGED DURING INSTALLATION OF ROADWAY LIGHTING SYSTEM.
8. GROUND RODS SHALL BE 3/4" DIA. X 10'–0" LONG COPPER CLAD STEEL. GROUNDING ELECTRODE CONDUCTORS SHALL BE #6 SOLID COPPER AND SHALL BE EXOTHERMICALLY WELDED TO GROUNDING ELECTRODE. GROUND ROD SHALL BE INSTALLED ONLY AT POLE JUNCTION BOXES AND LIGHTING CONTROLLER.

I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, THIS LIGHTING DESIGN IS VISUALLY ADEQUATE FOR THE ROADWAY CLASSIFICATION AND GEOMETRY SHOWN ON THE PLANS. THE DESIGN IS AN ECONOMICAL ONE AND COMPLIES WITH REQUIREMENTS OF CHAPTER 56 OF THE BDE MANUAL.

DESIGN ENGINEER SEAL
JOSEPH L. SMITH
No. 37910
REGISTERED PROFESSIONAL ENGINEER
OF ILLINOIS

Joseph L. Smith
PROFESSIONAL ENGINEER
CITY OF URBANA, ILLINOIS

DATE: 1-06-09

LICENSE EXPIRES 11–30–2009

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

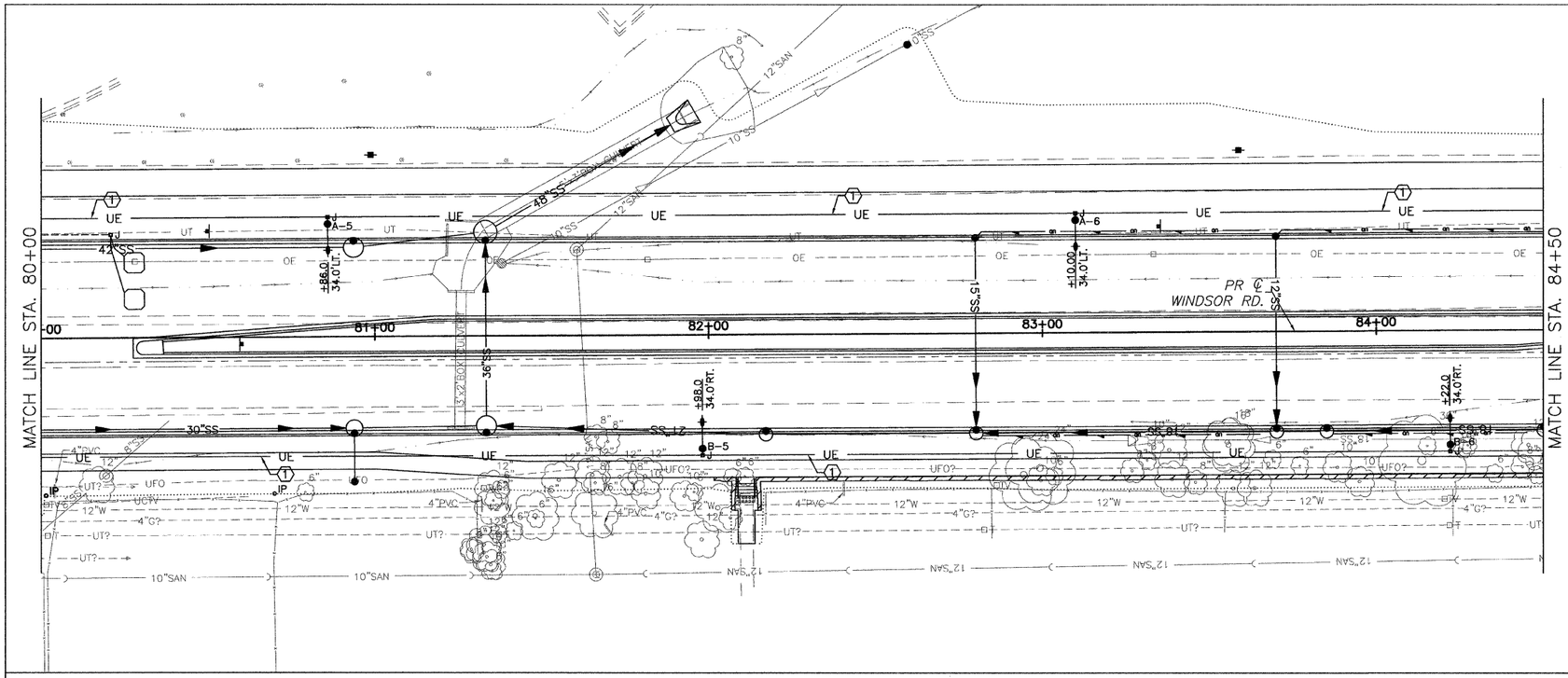
DRAWN BY: AJS
CHECKED BY: GLJ
DATED: 1/09
DESIGNED BY: JLS
CITY SECTION
00–00361–00–PV

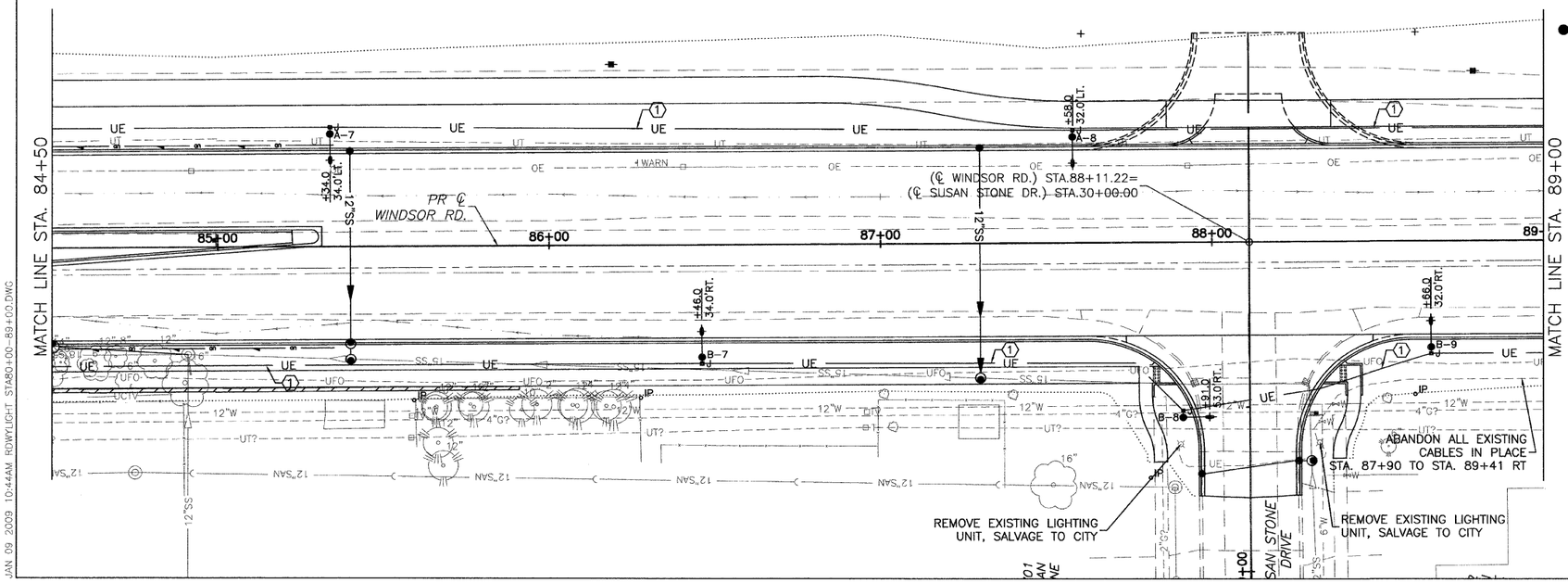
WINDSOR ROAD IMPROVEMENTS
ROADWAY LIGHTING PLANS
STA 71+00 TO STA 80+00

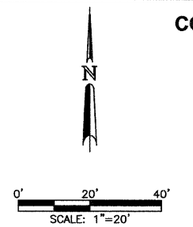
SHEET NO. 82 OF 145

JAN 09 2009 10:43AM RDWYLIGHT STA71+00–80+00.DWG

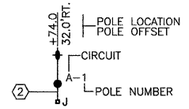
CONTRACT NO. 91391







CIRCUIT, POLE, & JUNCTION BOX DESIGNATION SCHEME



CONDUIT/CABLE SCHEDULE

①	(1)	1-1/2" PVC CONDUIT WITH 2-#6, 1-#6 GND.
②	(1)	3/4" HDPE UNIT DUCT WITH 2-#10, 1-#10 GND.
③	(1)	2" PVC CONDUIT WITH 4-#6, 2-#6 GND.

ROADWAY LIGHTING LEGEND

— UE – CONDUIT IN TRENCH OR AUGERED WHERE INDICATED

PROPOSED 400W MH LUMINAIRE WITH M-C-III DISTRIBUTION, WITH 15' TRUSS ARM MOUNTED ON TRAFFIC SIGNAL MAST ARM POLE. TRUSS ARM ORIENTATION SHALL BE AS INDICATED ON PLANS. TRUSS ARM, POLE, AND POLE FOUNDATION TO BE PROVIDED AND INSTALLED AS PART OF THE TRAFFIC SIGNAL INSTALLATION. COORDINATE LUMINAIRE INSTALLATION WITH POLE AND SIGNAL INSTALLATION.

PROPOSED TRAFFIC SIGNAL CONTROLLER CABINET

PROPOSED LIGHTING CONTROLLER

PROPOSED 400W MH LUMINAIRE WITH M-C-III DISTRIBUTION, WITH 10' DAVIT ARM MOUNTED ON 40' POLE, WITH SCREW-IN STEEL FOUNDATION.

J PROPOSED JUNCTION BOX. ALL JUNCTION BOXES SHALL BE 12"W x 12"L X 12"D UNLESS OTHERWISE NOTED.

PROPOSED TRAFFIC SIGNAL HANDHOLE. (SEE TRAFFIC SIGNAL PLANS FOR LOCATIONS)

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DRAWN BY: AJS
CHECKED BY: GLJ
DESIGNED BY: JLS
DATED: 1/09

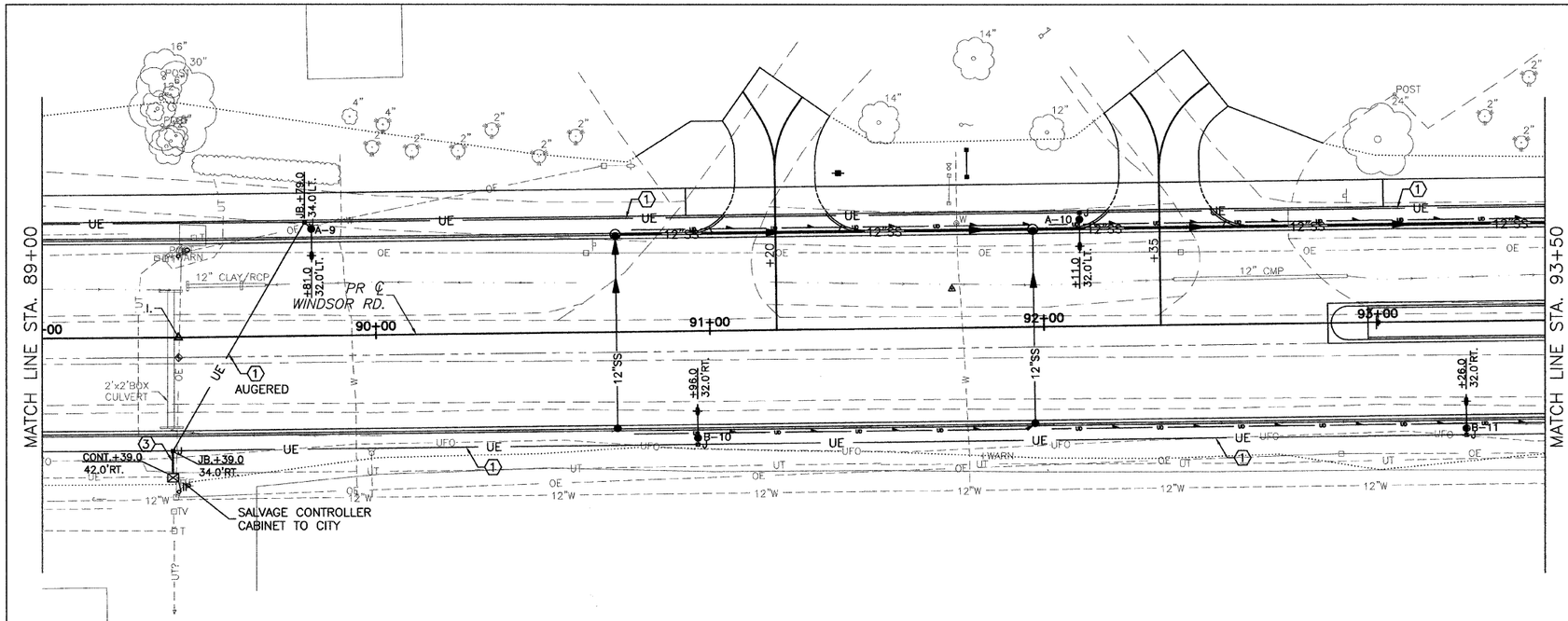
CITY SECTION
00-00361-00-PV

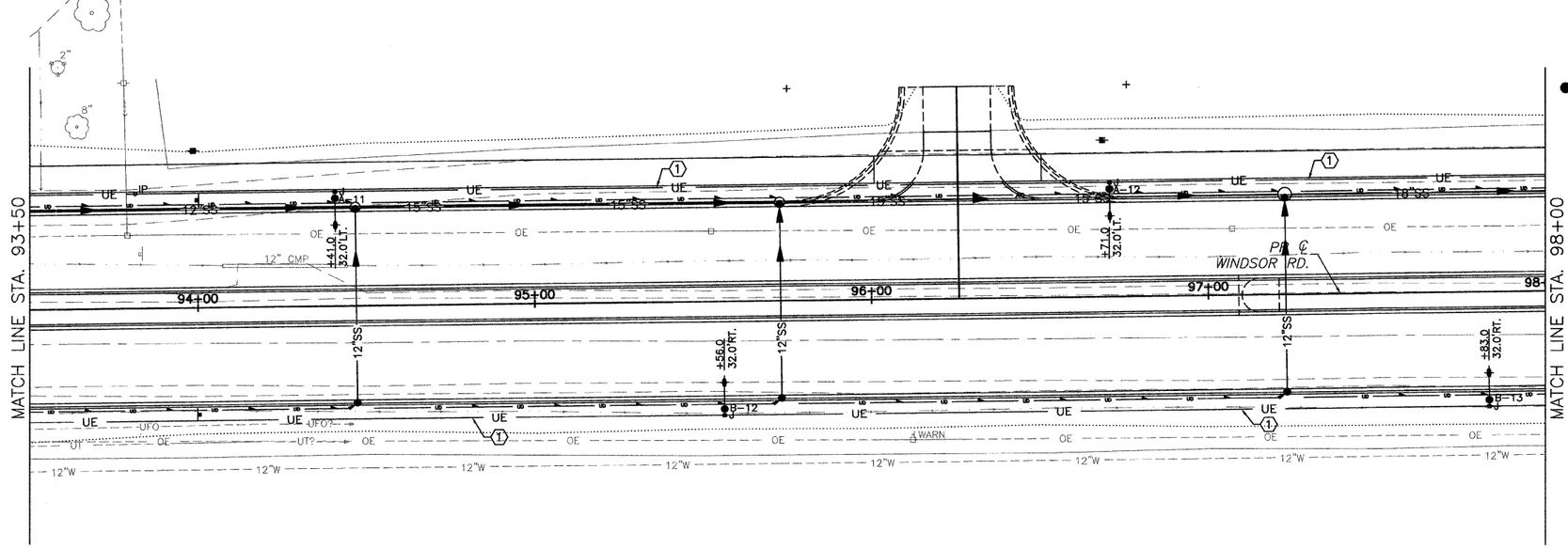
WINDSOR ROAD IMPROVEMENTS
ROADWAY LIGHTING PLANS
STA 80+00 TO STA 89+00

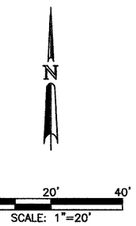
SHEET NO.
83
OF
145

JAN 09 2009 10:44AM RDWYLIGHT STA80+00-89+00.DWG

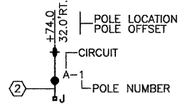
CONTRACT NO. 91391







CIRCUIT, POLE, & JUNCTION BOX DESIGNATION SCHEME



CONDUIT/CABLE SCHEDULE

1. (1) 1-1/2" PVC CONDUIT WITH 2-#6, 1-#6 GND.
2. (1) 3/4" HDPE UNIT DUCT WITH 2-#10, 1-#10 GND.
3. (1) 2" PVC CONDUIT WITH 4-#6, 2-#6 GND.

ROADWAY LIGHTING LEGEND

- UE – CONDUIT IN TRENCH OR AUGERED WHERE INDICATED
- PROPOSED 400W MH LUMINAIRE WITH M-C-III DISTRIBUTION, WITH 15' TRUSS ARM MOUNTED ON TRAFFIC SIGNAL MAST ARM POLE. TRUSS ARM ORIENTATION SHALL BE AS INDICATED ON PLANS. TRUSS ARM, POLE, AND POLE FOUNDATION TO BE PROVIDED AND INSTALLED AS PART OF THE TRAFFIC SIGNAL INSTALLIATION. COORDINATE LUMINAIRE INSTALLATION WITH POLE AND SIGNAL INSTALLATION.
- PROPOSED TRAFFIC SIGNAL CONTROLLER CABINET
- PROPOSED LIGHTING CONTROLLER
- PROPOSED 400W MH LUMINAIRE WITH M-C-III DISTRIBUTION, WITH 10' DAVIT ARM MOUNTED ON 40' POLE, WITH SCREW-IN STEEL FOUNDATION.
- J PROPOSED JUNCTION BOX. ALL JUNCTION BOXES SHALL BE 12"W x 12"L X 12"D UNLESS OTHERWISE NOTED.
- PROPOSED TRAFFIC SIGNAL HANDHOLE. (SEE TRAFFIC SIGNAL PLANS FOR LOCATIONS)

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

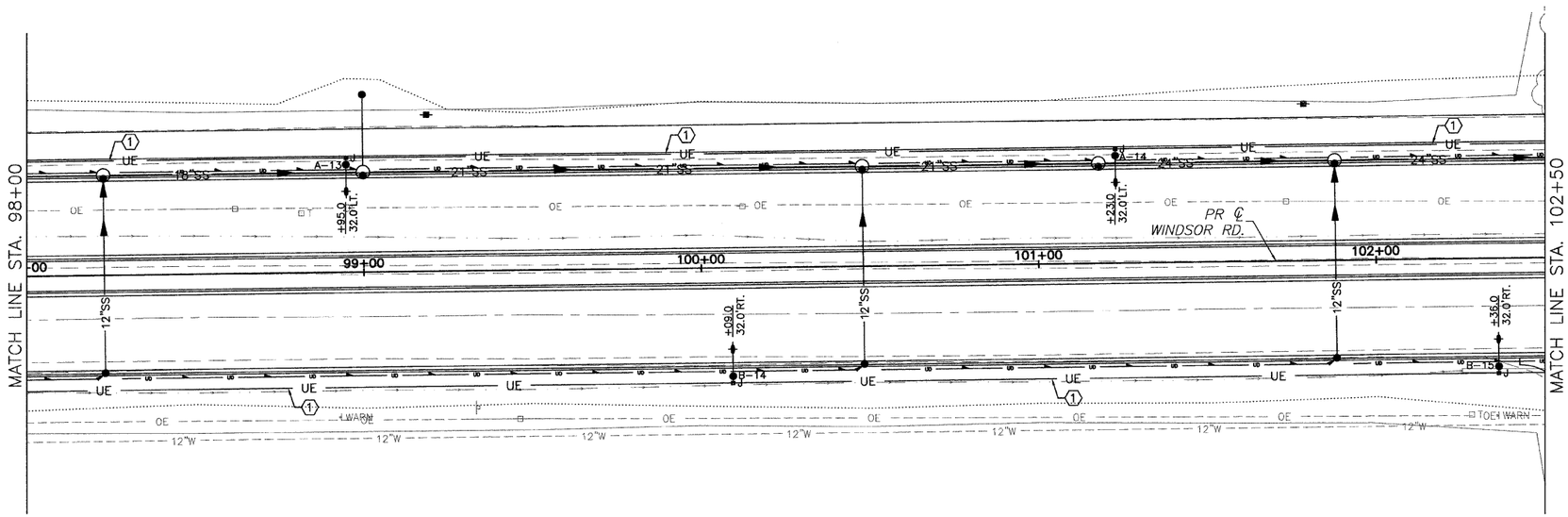
DATED: 1/09
DESIGNED BY: JLS
DRAWN BY: AJS
CHECKED BY: GLJ
CITY SECTION 00-00361-00-PV

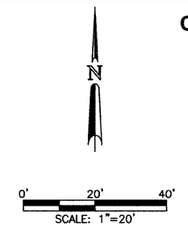
WINDSOR ROAD IMPROVEMENTS
ROADWAY LIGHTING PLANS
STA 89+00 TO STA 98+00

SHEET NO. 84 OF 145

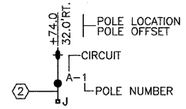
MAR 20 2009 12:45PM RDWYLGHT STA89+00-98+00.DWG

CONTRACT NO. 91391



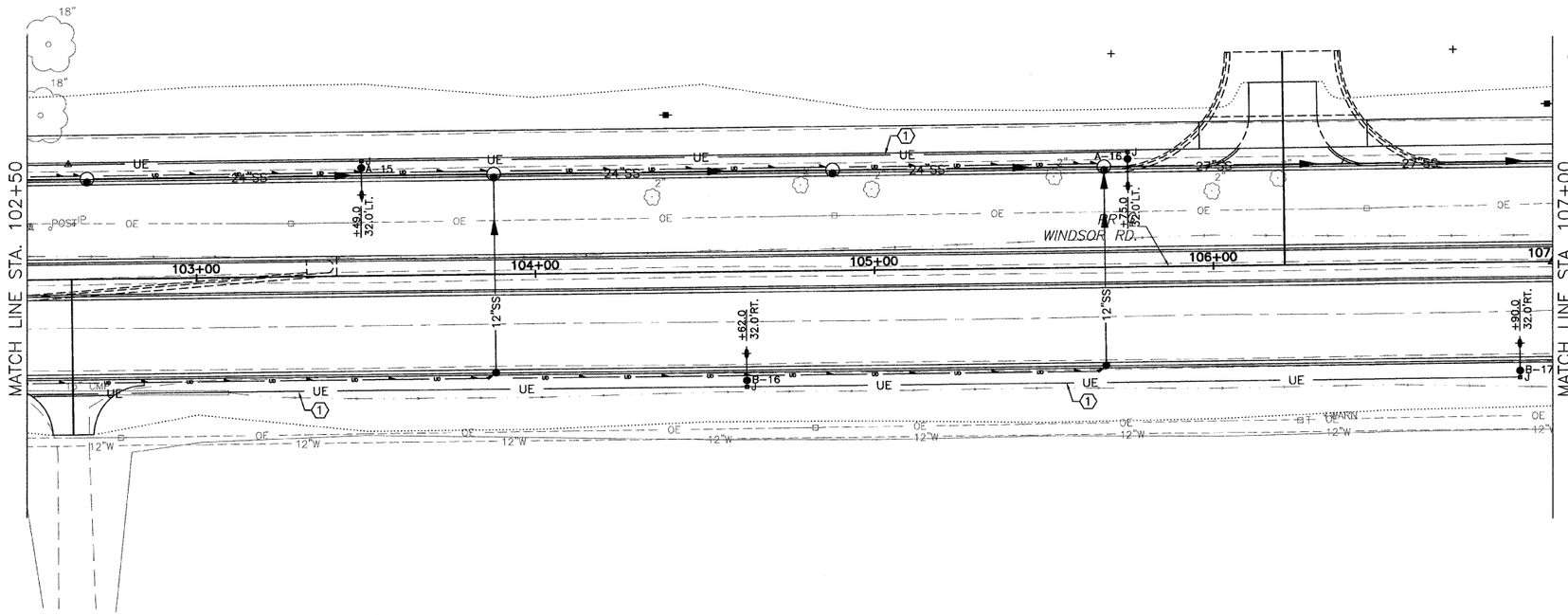


CIRCUIT, POLE, & JUNCTION BOX DESIGNATION SCHEME



CONDUIT/CABLE SCHEDULE

1	(1)	1-1/2" PVC CONDUIT WITH 2-#6, 1-#6 GND.
2	(1)	3/4" HDPE UNIT DUCT WITH 2-#10, 1-#10 GND.
3	(1)	2" PVC CONDUIT WITH 4-#6, 2-#6 GND.



ROADWAY LIGHTING LEGEND

— UE — CONDUIT IN TRENCH OR AUGERED WHERE INDICATED

PROPOSED 400W MH LUMINAIRE WITH M-C-III DISTRIBUTION, WITH 15' TRUSS ARM MOUNTED ON TRAFFIC SIGNAL MAST ARM POLE. TRUSS ARM ORIENTATION SHALL BE AS INDICATED ON PLANS. TRUSS ARM, POLE, AND POLE FOUNDATION TO BE PROVIDED AND INSTALLED AS PART OF THE TRAFFIC SIGNAL INSTALLIATION. COORDINATE LUMINAIRE INSTALLATION WITH POLE AND SIGNAL INSTALLATION.

PROPOSED TRAFFIC SIGNAL CONTROLLER CABINET

PROPOSED LIGHTING CONTROLLER

PROPOSED 400W MH LUMINAIRE WITH M-C-III DISTRIBUTION, WITH 10' DAVIT ARM MOUNTED ON 40' POLE, WITH SCREW-IN STEEL FOUNDATION.

J PROPOSED JUNCTION BOX. ALL JUNCTION BOXES SHALL BE 12"W x 12"L X 12"D UNLESS OTHERWISE NOTED.

PROPOSED TRAFFIC SIGNAL HANDHOLE. (SEE TRAFFIC SIGNAL PLANS FOR LOCATIONS)

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

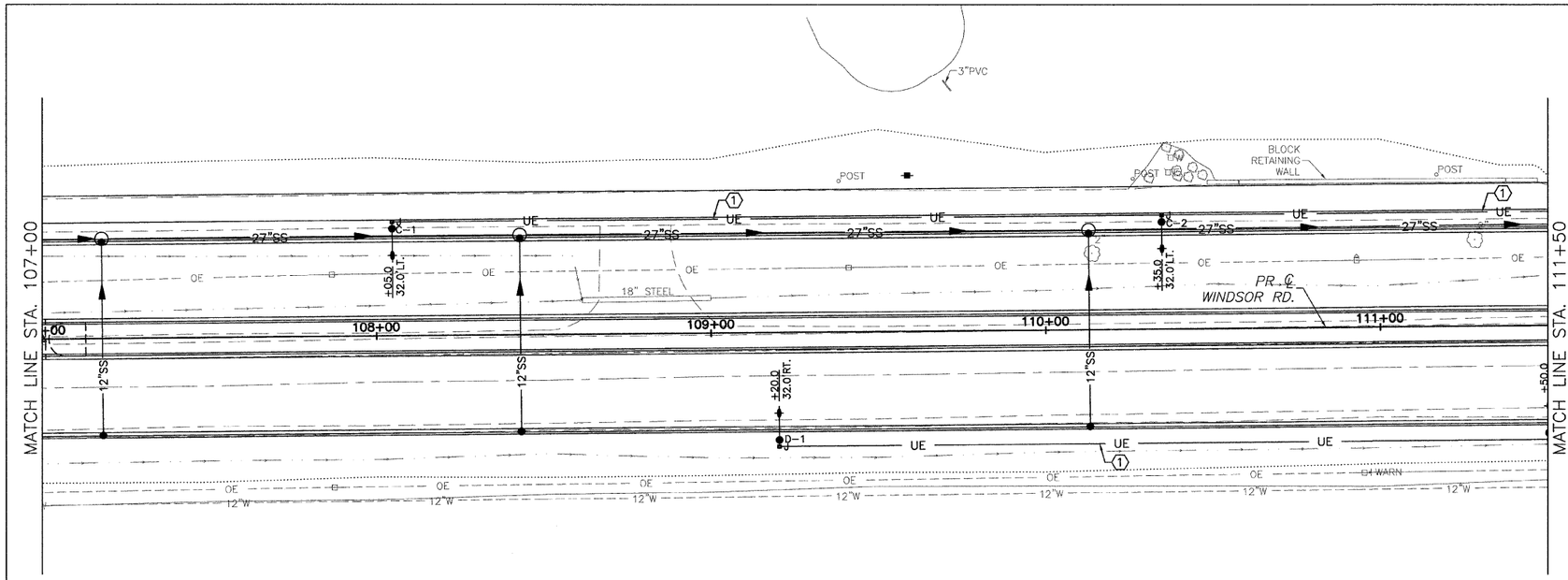
DATED: 1/09
DESIGNED BY: JLS
DRAWN BY: AJS
CHECKED BY: GLJ
CITY SECTION
00-00361-00-PV

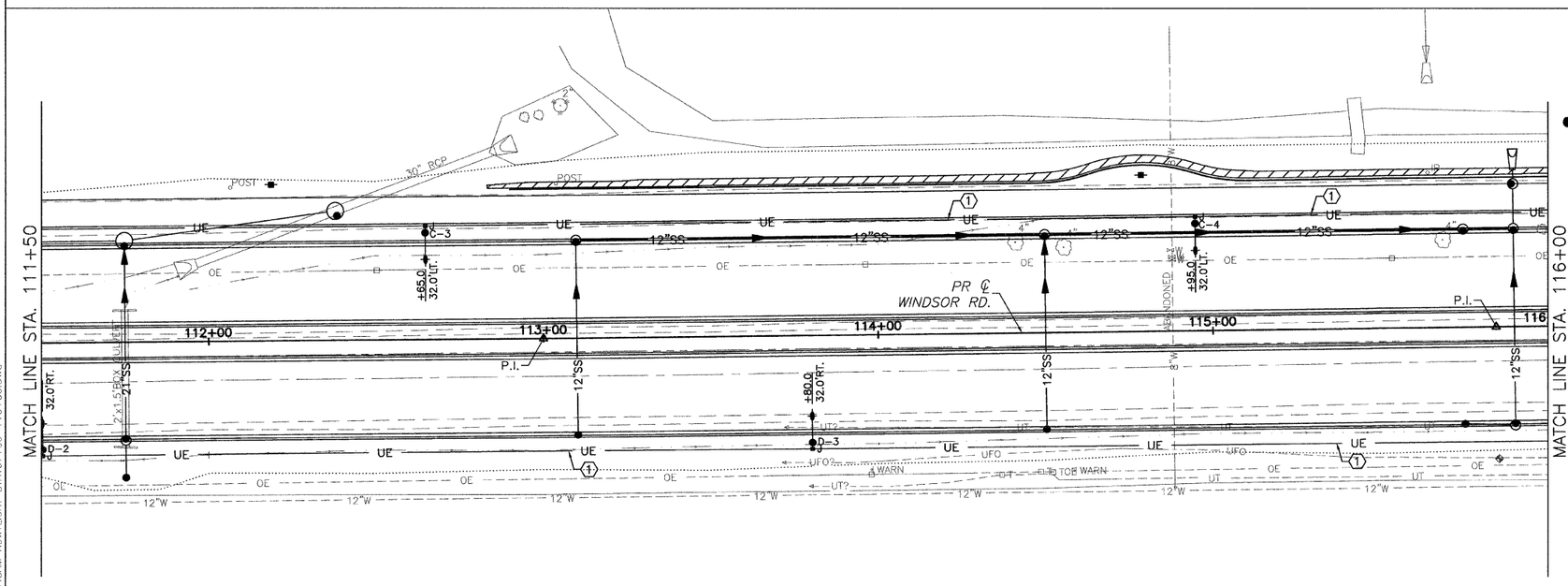
WINDSOR ROAD IMPROVEMENTS
ROADWAY LIGHTING PLANS
STA 98+00 TO STA 107+00

SHEET NO.
85
OF
145

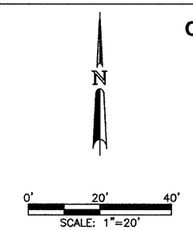
JAN 09 2009 10:47AM ROWYLIGHT STA98+00-107+00.DWG

CONTRACT NO. 91391

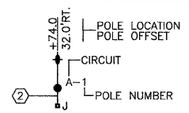




EX UNDERGROUND TELEPHONE NOT SHOWN FROM STA. 94+00 TO STA. 114+00



CIRCUIT, POLE, & JUNCTION BOX DESIGNATION SCHEME



CONDUIT/CABLE SCHEDULE

1	(1)	1-1/2" PVC CONDUIT WITH 2-#6, 1-#6 GND.
2	(1)	3/4" HDPE UNIT DUCT WITH 2-#10, 1-#10 GND.
3	(1)	2" PVC CONDUIT WITH 4-#6, 2-#6 GND.

ROADWAY LIGHTING LEGEND

— UE — CONDUIT IN TRENCH OR AUGERED WHERE INDICATED

PROPOSED 400W MH LUMINAIRE WITH M-C-III DISTRIBUTION, WITH 15' TRUSS ARM MOUNTED ON TRAFFIC SIGNAL MAST ARM POLE. TRUSS ARM ORIENTATION SHALL BE AS INDICATED ON PLANS. TRUSS ARM, POLE, AND POLE FOUNDATION TO BE PROVIDED AND INSTALLED AS PART OF THE TRAFFIC SIGNAL INSTALLIATION. COORDINATE LUMINAIRE INSTALLATION WITH POLE AND SIGNAL INSTALLATION.

PROPOSED TRAFFIC SIGNAL CONTROLLER CABINET

PROPOSED LIGHTING CONTROLLER

PROPOSED 400W MH LUMINAIRE WITH M-C-III DISTRIBUTION, WITH 10' DAVIT ARM MOUNTED ON 40' POLE, WITH SCREW-IN STEEL FOUNDATION.

PROPOSED JUNCTION BOX. ALL JUNCTION BOXES SHALL BE 12"W x 12"L X 12"D UNLESS OTHERWISE NOTED.

PROPOSED TRAFFIC SIGNAL HANDHOLE. (SEE TRAFFIC SIGNAL PLANS FOR LOCATIONS)

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DRAWN BY: AJS
CHECKED BY: GLJ
DESIGNED BY: JLS
DATED: 1/09

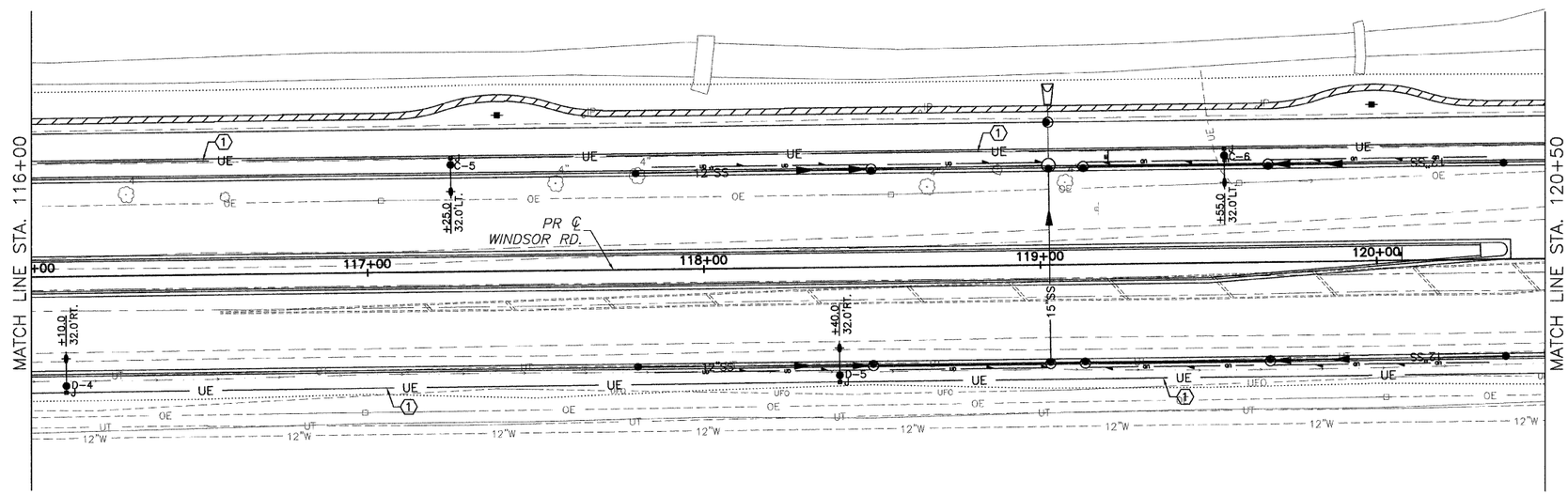
CITY SECTION
00-00361-00-PV

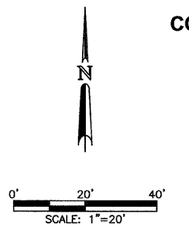
WINDSOR ROAD IMPROVEMENTS
ROADWAY LIGHTING PLANS
STA 107+00 TO STA 116+00

SHEET NO.
86
OF
145

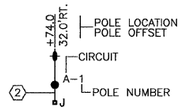
JAN 09 2009 10:48AM RDWYLIGHT STA107+00--116+00.DWG

CONTRACT NO. 91391



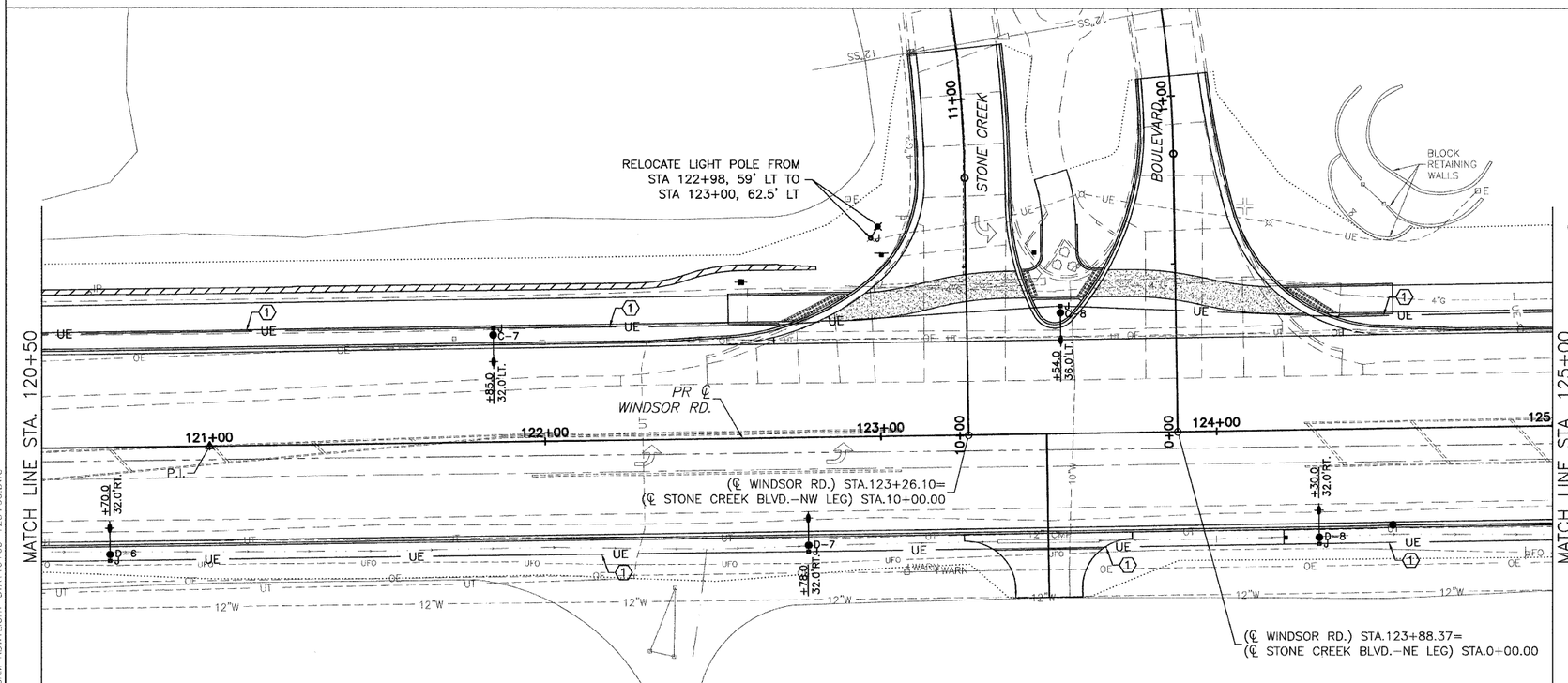


CIRCUIT, POLE, & JUNCTION BOX DESIGNATION SCHEME



CONDUIT/CABLE SCHEDULE

1	(1)	1-1/2" PVC CONDUIT WITH 2-#6, 1-#6 GND.
2	(1)	3/4" HDPE UNIT DUCT WITH 2-#10, 1-#10 GND.
3	(1)	2" PVC CONDUIT WITH 4-#6, 2-#6 GND.



ROADWAY LIGHTING LEGEND

- UE - CONDUIT IN TRENCH OR AUGERED WHERE INDICATED
- PROPOSED 400W MH LUMINAIRE WITH M-C-III DISTRIBUTION, WITH 15' TRUSS ARM MOUNTED ON TRAFFIC SIGNAL MAST ARM POLE. TRUSS ARM ORIENTATION SHALL BE AS INDICATED ON PLANS. TRUSS ARM, POLE, AND POLE FOUNDATION TO BE PROVIDED AND INSTALLED AS PART OF THE TRAFFIC SIGNAL INSTALLATION. COORDINATE LUMINAIRE INSTALLATION WITH POLE AND SIGNAL INSTALLATION.
- PROPOSED TRAFFIC SIGNAL CONTROLLER CABINET
- PROPOSED LIGHTING CONTROLLER
- PROPOSED 400W MH LUMINAIRE WITH M-C-III DISTRIBUTION, WITH 10' DAVIT ARM MOUNTED ON 40' POLE, WITH SCREW-IN STEEL FOUNDATION.
- J PROPOSED JUNCTION BOX. ALL JUNCTION BOXES SHALL BE 12"W x 12"L X 12"D UNLESS OTHERWISE NOTED.
- PROPOSED TRAFFIC SIGNAL HANDHOLE. (SEE TRAFFIC SIGNAL PLANS FOR LOCATIONS)

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DATED: 1/09
DESIGNED BY: JLS
DRAWN BY: AJS
CHECKED BY: GLJ

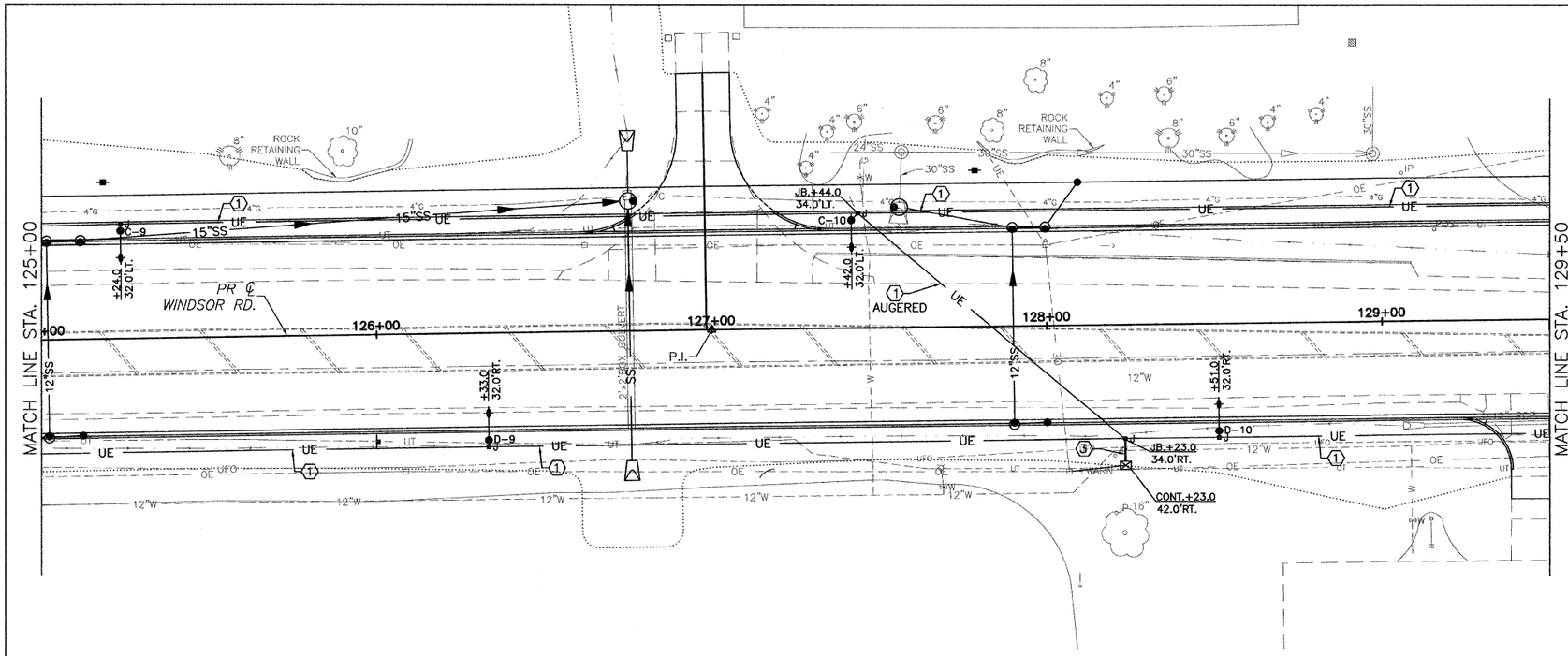
CITY SECTION
00-00361-00-PV

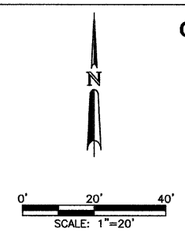
WINDSOR ROAD IMPROVEMENTS
ROADWAY LIGHTING PLANS
STA 116+00 TO STA 125+00

SHEET NO.
87
OF
145

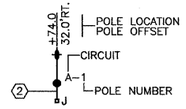
JAN. 09, 2009 10:50AM RDWYLIGHT STA116+00-125+00.DWG

CONTRACT NO. 91391



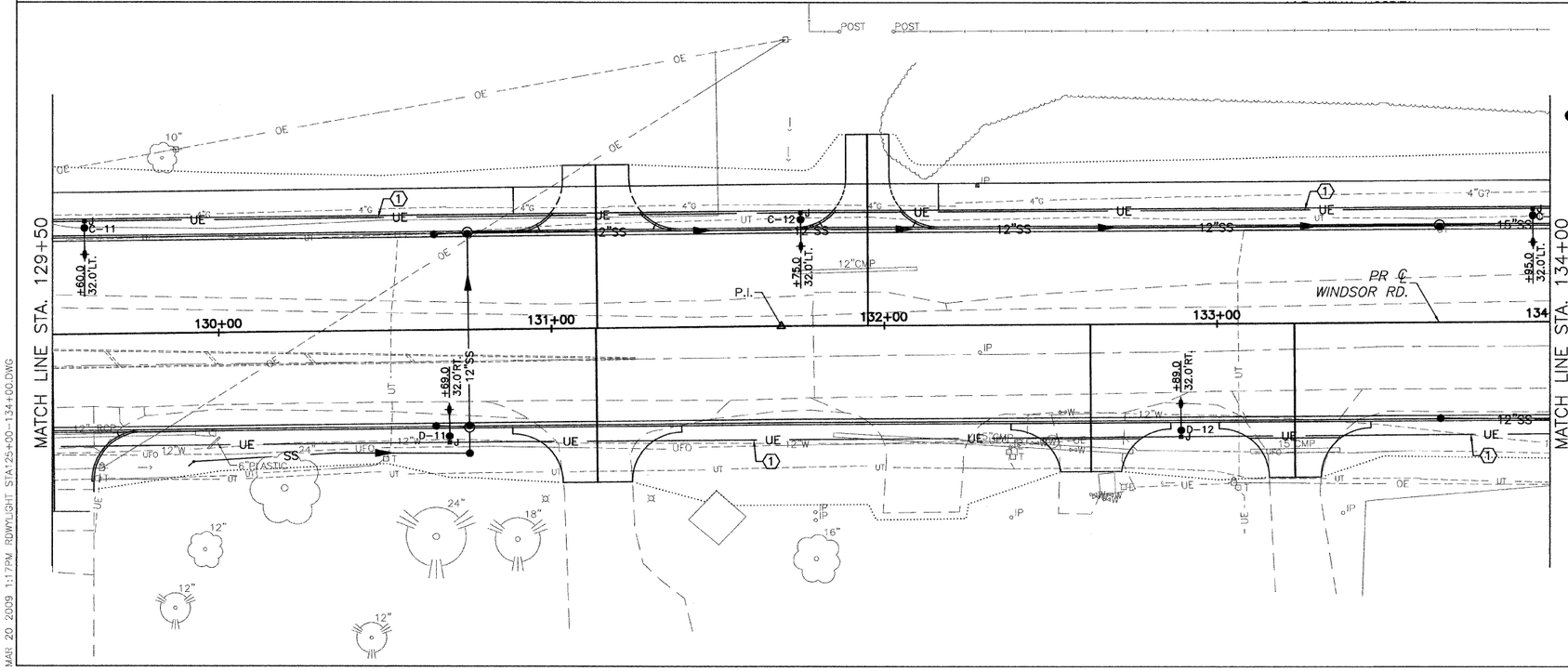


CIRCUIT, POLE, & JUNCTION BOX DESIGNATION SCHEME



CONDUIT/CABLE SCHEDULE

①	(1)	1-1/2" PVC CONDUIT WITH 2-#6, 1-#6 GND.
②	(1)	3/4" HDPE UNIT DUCT WITH 2-#10, 1-#10 GND.
③	(1)	2" PVC CONDUIT WITH 4-#6, 2-#6 GND.



ROADWAY LIGHTING LEGEND

— UE — CONDUIT IN TRENCH OR AUGERED WHERE INDICATED

PROPOSED 400W MH LUMINAIRE WITH M-C-III DISTRIBUTION, WITH 15' TRUSS ARM MOUNTED ON TRAFFIC SIGNAL MAST ARM POLE. TRUSS ARM ORIENTATION SHALL BE AS INDICATED ON PLANS. TRUSS ARM, POLE, AND POLE FOUNDATION TO BE PROVIDED AND INSTALLED AS PART OF THE TRAFFIC SIGNAL INSTALLIATION. COORDINATE LUMINAIRE INSTALLATION WITH POLE AND SIGNAL INSTALLATION.

PROPOSED TRAFFIC SIGNAL CONTROLLER CABINET

PROPOSED LIGHTING CONTROLLER

PROPOSED 400W MH LUMINAIRE WITH M-C-III DISTRIBUTION, WITH 10' DAVIT ARM MOUNTED ON 40' POLE, WITH SCREW-IN STEEL FOUNDATION.

PROPOSED JUNCTION BOX. ALL JUNCTION BOXES SHALL BE 12"W x 12"L X 12"D UNLESS OTHERWISE NOTED.

PROPOSED TRAFFIC SIGNAL HANDHOLE. (SEE TRAFFIC SIGNAL PLANS FOR LOCATIONS)

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

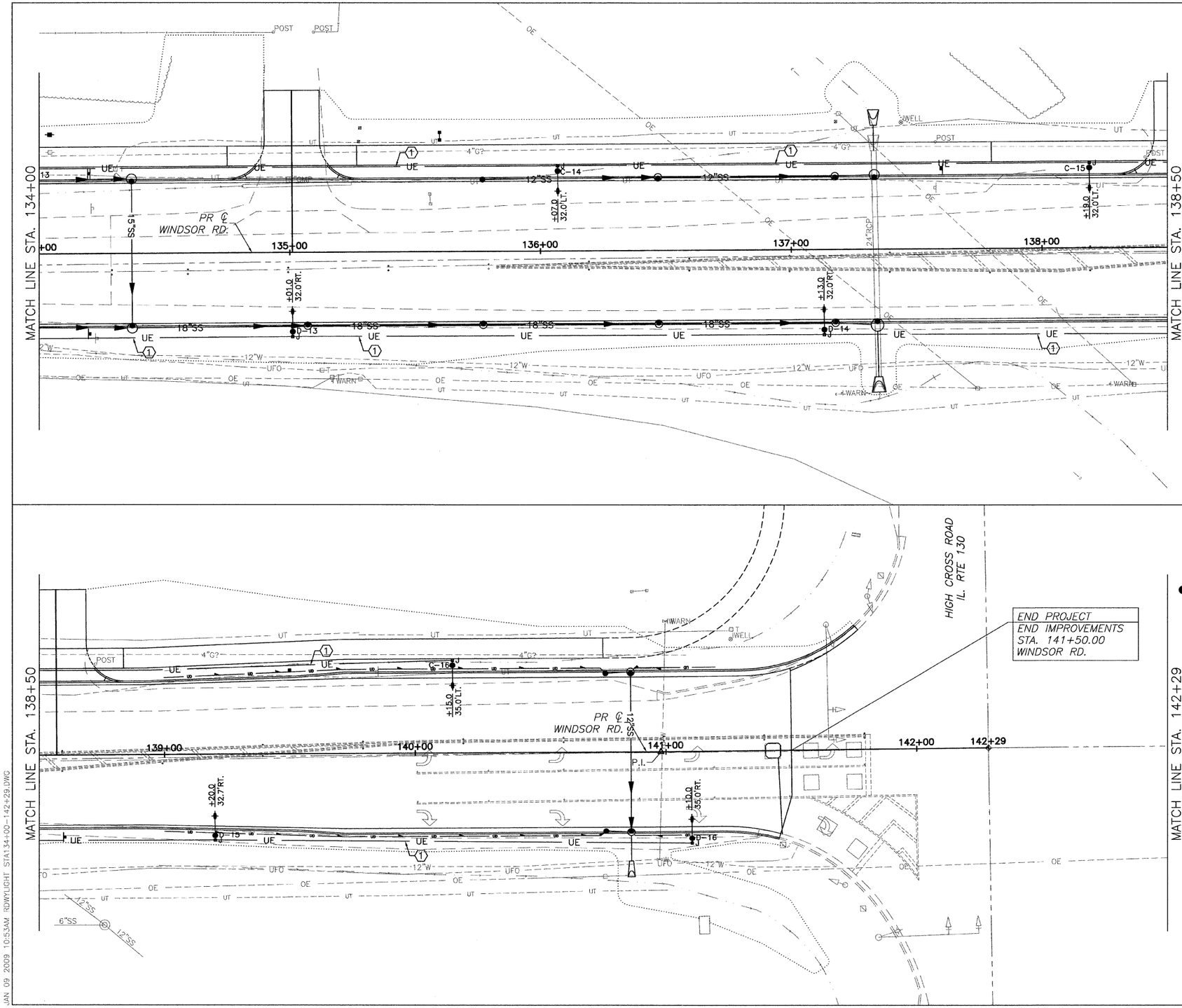
DATED: 1/09
DESIGNED BY: JLS
DRAWN BY: AJS
CHECKED BY: GLJ
CITY SECTION
00-00361-00-PV

WINDSOR ROAD IMPROVEMENTS
ROADWAY LIGHTING PLANS
STA 125+00 TO STA 134+00

SHEET NO.
88
OF
145

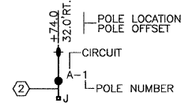
MAR 20, 2009 1:17PM RDWYLIGHT_STA125+00-134+00.DWG

CONTRACT NO. 91391



0' 20' 40'
SCALE: 1"=20'

CIRCUIT, POLE, & JUNCTION BOX DESIGNATION SCHEME



CONDUIT/CABLE SCHEDULE

1	(1)	1-1/2" PVC CONDUIT WITH 2-#6, 1-#6 GND.
2	(1)	3/4" HDPE UNIT DUCT WITH 2-#10, 1-#10 GND.
3	(1)	2" PVC CONDUIT WITH 4-#6, 2-#6 GND.

ROADWAY LIGHTING LEGEND

— UE — CONDUIT IN TRENCH OR AUGERED WHERE INDICATED

PROPOSED 400W MH LUMINAIRE WITH M-C-III DISTRIBUTION, WITH 15' TRUSS ARM MOUNTED ON TRAFFIC SIGNAL MAST ARM POLE. TRUSS ARM ORIENTATION SHALL BE AS INDICATED ON PLANS. TRUSS ARM, POLE, AND POLE FOUNDATION TO BE PROVIDED AND INSTALLED AS PART OF THE TRAFFIC SIGNAL INSTALLATION. COORDINATE LUMINAIRE INSTALLATION WITH POLE AND SIGNAL INSTALLATION.

PROPOSED TRAFFIC SIGNAL CONTROLLER CABINET

PROPOSED LIGHTING CONTROLLER

PROPOSED 400W MH LUMINAIRE WITH M-C-III DISTRIBUTION, WITH 10' DAVIT ARM MOUNTED ON 40' POLE, WITH SCREW-IN STEEL FOUNDATION.

J PROPOSED JUNCTION BOX. ALL JUNCTION BOXES SHALL BE 12"W x 12"L X 12"D UNLESS OTHERWISE NOTED.

PROPOSED TRAFFIC SIGNAL HANDHOLE. (SEE TRAFFIC SIGNAL PLANS FOR LOCATIONS)

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DRAWN BY: AJS
CHECKED BY: GLJ
DATED: 1/09
DESIGNED BY: JLS
CITY SECTION
00-00361-00-PV

WINDSOR ROAD IMPROVEMENTS
ROADWAY LIGHTING PLANS
STA 134+00 TO STA 142+29

SHEET NO.
89
OF
145

JAN 09 2009 10:53AM ROWYLIGHT STA134+00-142+29.DWG

CONTRACT NO. 91391

Street Lighting Schedule

Location	O/S	80400100 Electric Service Installation Each	81012500 Conduit PVC In Trench 1-1/2" Dia. Foot	V	Ft	81012600 Conduit PVC In Trench 2" Dia. Foot	V	Ft	81028050 Conduit Coilable HDPE Bored and Pulled 1-1/2" Dia. Foot	V	Ft	81603010 Unit Duct 2#10XLP & 1#10XLPG 3/4" HDPE Foot	V	Ft	Slack	81702130 Electric Cable in Conduit 1/C #6 Foot	V	Ft	Slack	81900200 Trench & Backfill for Electrical Work Foot	82500530 Lighting Controller CB-RCS 100A/240V Each	83002400 Light Pole Aluminum 40' M.H. 10' Davit Arm Each	83600355 Light Pole Found., Metal 15" Bolt Circle 8" x 6 FT. Each	XX006511 Luminaire Horiz. Mount Metal Halide 400W Each	XX006514 Junction Box Polymer Concrete 12"x12"x12" Each
70+92, Pole A-1	Lt											2	5	6					2		1	1	1	1
	Lt		208	3											624	9	30	208						
73+00, Pole A-2	Lt											2	5	6					2		1	1	1	1
	Lt		220	3											660	9	30	220						
75+20, Pole A-3	Lt											2	5	6					2		1	1	1	1
	Lt		342	3											1026	9	30	342						
78+62, Pole A-4	Lt											2	5	6					2		1	1	1	1
	Lt		224	3											672	9	30	224						
80+86, Pole A-5	Lt											2	5	6					2		1	1	1	1
	Lt		224	3											672	9	30	224						
83+10, Pole A-6	Lt											2	5	6					2		1	1	1	1
	Lt		224	3											672	9	30	224						
85+34, Pole A-7	Lt											2	5	6					2		1	1	1	1
	Lt		224	3											672	9	30	224						
87+58, Pole A-8	Lt											2	5	6					2		1	1	1	1
	Lt		221	3											663	9	30	221						
89+81, Pole A-9	Lt											3	5	6					3		1	1	1	1
	Lt		230	3											690	9	30	230						
92+11, Pole A-10	Lt											2	5	6					2		1	1	1	1
	Lt		230	3											690	9	30	230						
94+41, Pole A-11	Lt											2	5	6					2		1	1	1	1
	Lt		230	3											690	9	30	230						
96+71, Pole A-12	Lt											2	5	6					2		1	1	1	1
	Lt		224	3											672	9	30	224						
98+95, Pole A-13	Lt											2	5	6					2		1	1	1	1
	Lt		228	3											684	9	30	228						
101+23, Pole A-14	Lt											2	5	6					2		1	1	1	1
	Lt		226	3											672	9	30	226						
103+49, Pole A-15	Lt											2	5	6					2		1	1	1	1
	Lt		226	3											678	9	30	226						
105+75, Pole A-16	Lt											2	5	6					2		1	1	1	1
89+59	A.R.								79	3						237	9	30						
89+39, Controller	Rt				8	4										48	24	90	8	1				1
89+39, Service	Rt	1																						
71+96, Pole B-1	Rt											2	5	6					2		1	1	1	1
	Rt		212	3											636	9	30	212						
74+08, Pole B-2	Rt											2	5	6					2		1	1	1	1
	Rt		224	3											672	9	30	224						
76+32, Pole B-3	Rt											2	5	6					2		1	1	1	1
	Rt		342	3											1026	9	30	342						
79+74, Pole B-4	Rt											2	5	6					2		1	1	1	1
	Rt		224	3											672	9	30	224						
81+98, Pole B-5	Rt											2	5	6					2		1	1	1	1
	Rt		224	3											672	9	30	224						
84+22, Pole B-6	Rt											2	5	6					2		1	1	1	1
	Rt		224	3											672	9	30	224						
86+46, Pole B-7	Rt											2	5	6					2		1	1	1	1
	Rt		151	3											453	9	30	151						
87+91, Pole B-8	Rt											2	5	6					2		1	1	1	1
	Rt		77	3											231	9	30	77						
88+66, Pole B-9	Rt											2	5	6					2		1	1	1	1
	Rt		73	3											219	9	30	73						
89+39, JB	Rt																							
	Rt		157	3											471	9	30	157						
90+96, Pole B-10	Rt											2	5	6					2		1	1	1	1
	Rt		230	3											690	9	30	230						
93+26, Pole B-11	Rt											2	5	6					2		1	1	1	1
	Rt		230	3											690	9	30	230						
95+56, Pole B-12	Rt											2	5	6					2		1	1	1	1
	Rt		227	3											681	9	30	227						
97+83, Pole B-13	Rt											2	5	6					2		1	1	1	1
	Rt		226	3											678	9	30	226						
100+09, Pole B-14	Rt											2	5	6					2		1	1	1	1
	Rt		227	3											681	9	30	227						
102+36, Pole B-15	Rt											2	5	6					2		1	1	1	1
	Rt		226	3											678	9	30	226						
104+62, Pole B-16	Rt											2	5	6					2		1	1	1	1
	Rt		228	3											684	9	30	228						
106+90, Pole B-17	Rt																				1	1	1	1
108+05, Pole C-1	Lt											2	5	6					2		1	1	1	1
	Lt		230	3											690	9	30	230						
110+35, Pole C-2	Lt											2	5	6					2		1	1	1	1
	Lt		230	3											690	9	30	230						
112+65, Pole C-3	Lt											2	5	6					2		1	1	1	1
	Lt		230	3											690	9	30	230						
114+95, Pole C-4	Lt											2	5	6					2		1	1	1	1
	Lt		230	3											690	9	30	230						
117+25, Pole C-5	Lt											2	5	6					2		1	1	1	1
	Lt		230	3											690	9	30	230						
119+55, Pole C-6	Lt											2	5	6					2		1	1	1	1
	Lt		230	3											690	9	30	230						
121+85, Pole C-7	Lt											2	5	6					2		1	1	1	1
	Lt		169	3											507	9	30	169						
123+54, Pole C-8	Lt											2	5	6					2		1	1	1	1
	Lt		170	3											510	9	30	170						
125+24, Pole C-9	Lt											2	5	6					2		1	1	1	1
	Lt		220	3											660	9	30	220						
127+44, Pole C-10	Lt											3	5	6					3		1	1	1	1
	Lt		216	3											648	9	30	216						
129+60, Pole C-11	Lt											2	5	6					2		1	1	1	1
	Lt		215	3											645	9	30	215						
131+75, Pole C-12	Lt											2	5	6					2		1	1	1	1
	Lt		220	3											660	9	30	220						

Street Lighting Schedule

Location	O/S	80400100 Electric Service Installation Each	81012500 Conduit PVC In Trench 1-1/2" Dia. Foot	V	Ft	81012600 Conduit PVC In Trench 2" Dia. Foot	V	Ft	81028050 Conduit Coilable HDPE Bored and Pulled 1-1/2" Dia. Foot	V	Ft	81603010 Conduit Unit Duct 2#10XLP & 1#10XLPG 3/4" HDPE Foot	V	Ft	Slack	81702130 Electric Cable in Conduit 1/C #6 Foot	V	Ft	Slack	81900200 Trench & Backfill for Electrical Work Foot	82500530 Lighting Controller CB-RCS 100A/240V Each	83002400 Light Pole Aluminum 40' M.H. 10' Davit Arm Each	83600355 Light Pole Found., Metal 15" Bolt Circle 8" x 6 FT. Each	XX006511 Luminaire Horiz. Mount Metal Halide 400W Each	XX006514 Junction Box Polymer Concrete 12"x12"x12" Each
133+95, Pole C-13	Lt											2	5	6					2		1	1	1	1
	Lt		212	3											636	9	30	212						
136+07, Pole C-14	Lt											2	5	6					2		1	1	1	1
	Lt		212	3											636	9	30	212						
138+19, Pole C-15	Lt											2	5	6					2		1	1	1	1
	Lt		196	3											588	9	30	196						
140+15, Pole C-16	Lt											2	5	6					2		1	1	1	1
127+44, JB	Lt																							
	A.R.											104	3						204	9	30			1
128+23, JB	Rt																							
128+23, Controller	Rt					8	4												48	24	90	8	1	
128+07, Serv. Pole	Rt	1																						
109+20, Pole D-1	Rt											2	5	6					2		1	1	1	1
	Rt		230	3											690	9	30	230						
111+50, Pole D-2	Rt											2	5	6					2		1	1	1	1
	Rt		230	3											690	9	30	230						
113+80, Pole D-3	Rt											2	5	6					2		1	1	1	1
	Rt		230	3											690	9	30	230						
116+10, Pole D-4	Rt											2	5	6					2		1	1	1	1
	Rt		230	3											690	9	30	230						
118+40, Pole D-5	Rt											2	5	6					2		1	1	1	1
	Rt		230	3											690	9	30	230						
120+70, Pole D-6	Rt											2	5	6					2		1	1	1	1
	Rt		208	3											624	9	30	208						
122+78, Pole D-7	Rt											2	5	6					2		1	1	1	1
	Rt		152	3											456	9	30	152						
124+30, Pole D-8	Rt											2	5	6					2		1	1	1	1
	Rt		203	3											609	9	30	203						
126+33, Pole D-9	Rt											2	5	6					2		1	1	1	1
	Rt		190	3											570	9	30	190						
128+23, JB	Rt																							
	Rt		28	3											84	9	30	28						
128+51, Pole D-10	Rt											2	5	6					2		1	1	1	1
	Rt		218	3											654	9	30	218						
130+69, Pole D-11	Rt											2	5	6					2		1	1	1	1
	Rt		220	3											660	9	30	220						
132+89, Pole D-12	Rt											2	5	6					2		1	1	1	1
	Rt		212	3											636	9	30	212						
135+01, Pole D-13	Rt											2	5	6					2		1	1	1	1
	Rt		212	3											636	9	30	212						
137+13, Pole D-14	Rt											2	5	6					2		1	1	1	1
	Rt		207	3											621	9	30	207						
139+20, Pole D-15	Rt											2	5	6					2		1	1	1	1
	Rt		190	3											570	9	30	190						
141+10, Pole D-16	Rt											2	5	6					2		1	1	1	1
Total			13383	189		16	8		183	6		130	320	384		40680	633	2130						
Sheet Total		2	13572			24			189			834				43443				13529	2	65	65	65	67

Streetlighting Removal & Modification Schedule

Location	O/S	81028050 Conduit Coilable HDPE Bored and Pulled 1-1/2" Dia. Foot	V	Ft	81603010 Unit Duct 2#10XLP & 1#10XLPG 3/4" HDPE Foot	V	Ft	Slack	81702130 Electric Cable in Conduit 1/C #6 Foot	V	Ft	Slack	81900200 Trench & Backfill for Electrical Work Foot	84200500 Removal of Existing Lighting Unit Salvage Each	84200700 Lighting Foundation Removal Each	84400105 Existing Lighting Unit Relocate Each	87800100 Concrete Foundation Type, A Foot	X8450100 Remove Existing Lighting Each	X0301503 Relocate Existing Metal Pole Each	XX000986 Removal of Existing Luminaire & Salvage Each	XX006511 Luminaire Horiz. Mount Metal Halide 400W Each	XX006514 Junction Box Polymer Concrete 12"x12"x12" Each
64+21, Exist Pole	Lt				3	5	6						3								1	1	1
	Lt	180	3						540	9	30												
66+01, Reloc. Pole	Lt				2	5	6						2								1	1	1
	Lt	180	3						540	9	30												
67+81, Reloc. Pole	Lt				2	5	6						2								1	1	1
65+11, Reloc. Pole	Rt				17	5	6						17								1		
65+64, Exist Pole	Rt													1	1								1
66+91, Exist Pole	Rt																				1	1	
68+70, Exist Pole	Rt																				1	1	
72+25, Exist Pole	Rt															1				1	1		
73+98, Exist Pole	Rt															1				1	1		
75+74, Exist Pole	Rt															1				1	1		
77+28, Exist Pole	Rt													1	1								
77+71, Exist Pole	Rt													1	1								
78+65, Exist Contr.	Rt																	1					
87+90, Exist Pole	Rt													1	1								
88+32, Exist Pole	Rt													1	1								
89+42, Exist Contr.	Rt																	1					
122+98, Reloc. Pole	Lt				3	5	6						3		1	1	3						1
Total		360	6		27	25	30		1080	18	60												
Sheet Total		366			82				1158				27	5	6	4	3	2	3	6	6	5	

STREETLIGHTING ITEMS TO BE RETURNED TO CITY
7 Each - Cobra Head HPS Luminaires and Lamps
4 Each - Circular Box Residential HPS Luminaires and Lamps
4 Each - 20' MH Straight Tapered Aluminum Poles
1 Each - 40' MH Aluminum Pole with 6; Davit Arm
1 Each - Metal Pole Foundation, 6'
2 Each- 50 Amp Lighting Controller and Cabinets

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

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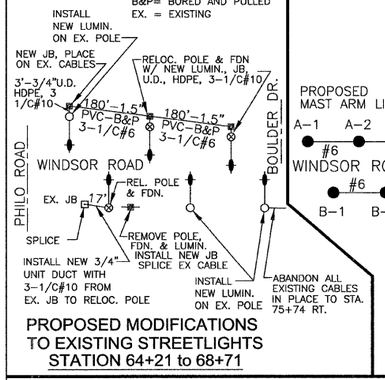
WINDSOR ROAD IMPROVEMENTS
ROADWAY LIGHTING PLANS
SCHEDULES OF QUANTITIES

SHEET NO. 90 OF 145

JAN 09 2009 10:53AM ROWYLIGHT QUANTITIES.DWG

CONTRACT NO. 91391

ABBREVIATIONS
JB= JUNCTION BOX
U.D.= UNIT DUCT
B&P= BORED AND PULLED
EX. = EXISTING



PROPOSED MODIFICATIONS TO EXISTING STREETLIGHTS STATION 64+21 to 68+71

LEGEND

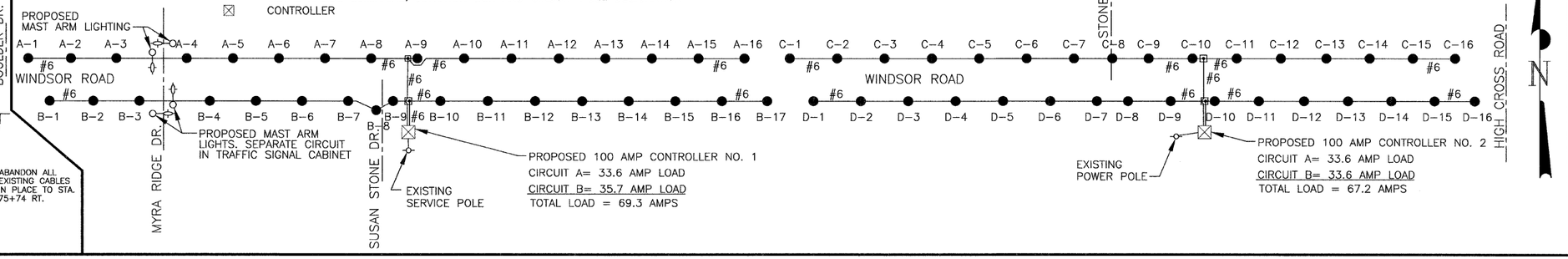
——— ELECTRIC CABLES (2–1/C NO. 6 AND 1–1/C NO. 6 GRND) IN CONTINUOUS 1–1/2" PVC CONDUIT

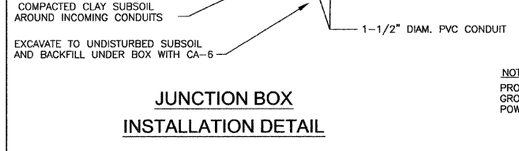
#6 ELECTRIC CABLE GAUGE–2 EACH IN ALL CIRCUIT RUNS

● A–1 PROPOSED LIGHTING STEEL FOUNDATION, 40' ALUMINUM POLE, 400 WATT METAL HALIDE LUMINAIRE, JUNCTION BOX AND CIRCUIT–POLE DESIGNATION

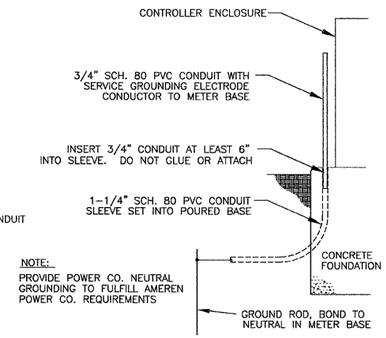
☒ CONTROLLER

CIRCUIT DIAGRAM

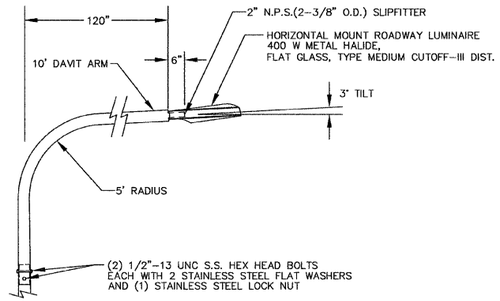




JUNCTION BOX INSTALLATION DETAIL



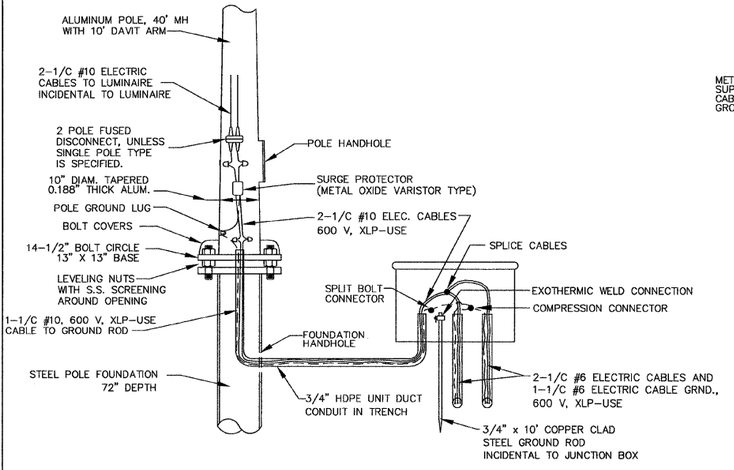
TYPICAL METER BASE GROUNDING DETAIL



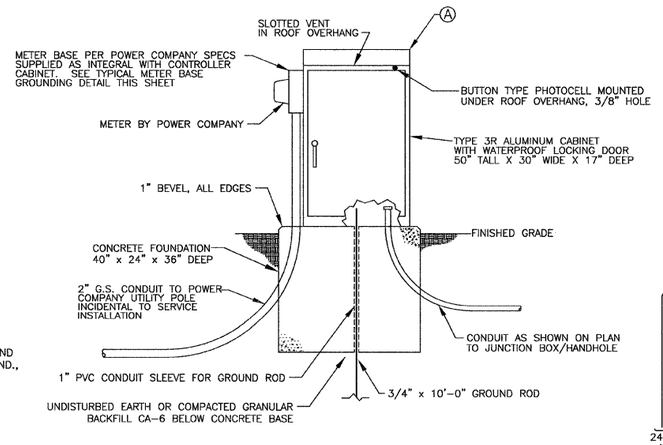
LUMINAIRE AND DAVIT ARM DETAIL

STREET LIGHTING NOTES

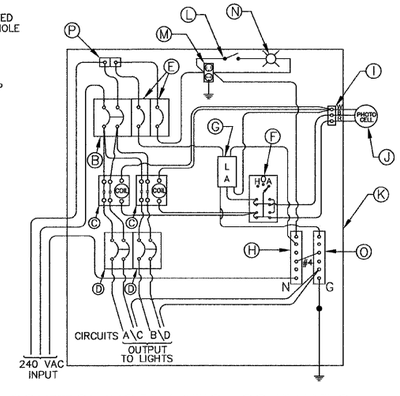
1. STREET LIGHTING SYSTEM IS METAL HALIDE, 100 AMP/240 VOLT MULTIPLE SERVICE.
2. LUMINAIRE DISTRIBUTION TO BE M–C–III.
3. LUMINAIRES TO BE HORIZONTAL MOUNTED, FLAT GLASS LENS AND 400 WATT METAL HALIDE LAMPS. ALL POLES ARE ALUMINUM DAVIT ARM TYPE WITH 10 FOOT SINGLE ARM ON STEEL 72" SCREW–IN FOUNDATIONS. COORDINATE BOLT CIRCLE DIAM. WITH POLES BEING PROVIDED.
4. ENTIRE SYSTEM TO BE GROUNDED BY THE USE OF A COPPER CLAD STEEL GROUND ROD AT EACH FOUNDATION AND A CONTINUOUS NO. 6 ELECTRIC CABLE GROUND INSTALLED IN THE CONDUIT RUNS.
5. CONTRACTOR TO CONTACT LOCAL UTILITY COMPANIES FOR THE LOCATION OF EXISTING UNDERGROUND FACILITIES.
6. ALL WORK TO BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2005 NATIONAL ELECTRICAL CODE, THE IDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" EXCEPT AS NOTED IN THE SPECIAL PROVISIONS.
7. THE CONDUIT SHALL BE A MIN. DEPTH OF 24" AND SHALL BE TRENCHED IN PLACE OR BORED AND PULLED WHERE INDICATED ON THE PLANS.
8. POLE WIRING WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED WITH THE LUMINAIRE PER ARTICLE 821.03 OF THE STANDARD SPECIFICATIONS.
9. GROUND RODS IN ACCESS WELLS SHALL BE INCLUDED IN THE COST OF THE JUNCTION BOX.



POLE BASE MOUNTING & WIRING DETAIL



CONTROL INSTALLATION DETAIL
TYPE CB–RCS, 100 AMP, 240V



CONTROL INSTALLATION SCHEMATIC

MATERIALS LIST

- (A) TYPE 3R CABINET, .125 ALUM., DARK GREEN ENAMEL
- (B) 2 POLE, 100 AMP (MAIN CIRCUIT BREAKER)
- (C) 2 POLE, 50 AMP, 120 VOLT COIL (CONTACTOR)
- (D) 2 POLE, 50 AMP (BRANCH BREAKER)
- (E) 1 POLE, 20 AMP (CONTROL CIRCUIT BREAKER)
- (F) THREE POSITION SELECTOR SWITCH
- (G) LIGHTNING SURRESTOR
- (H) NEUTRAL BUSS BAR
- (I) TERMINAL BLOCK FOR PHOTOCELL
- (J) PHOTO CONTROL, BUTTON TYPE, 1000 WATT, TURN–ON AT 1.5 FTC, ±0.5
- (K) MOUNTING PANEL, 1/2" THICK BENELEX
- (L) SINGLE POLE, SINGLE THROW, 20 AMP SWITCH
- (M) 20 AMP GFI DUPLEX RECEPTACLE
- (N) 60 WATT INCANDESCENT LIGHT FIXTURE
- (O) GROUND BUSS BAR
- (P) TERMINAL BLOCK FOR CIRCUIT BREAKERS

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

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WINDSOR ROAD IMPROVEMENTS
ROADWAY LIGHTING PLANS
DETAILS

SHEET NO.
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OF
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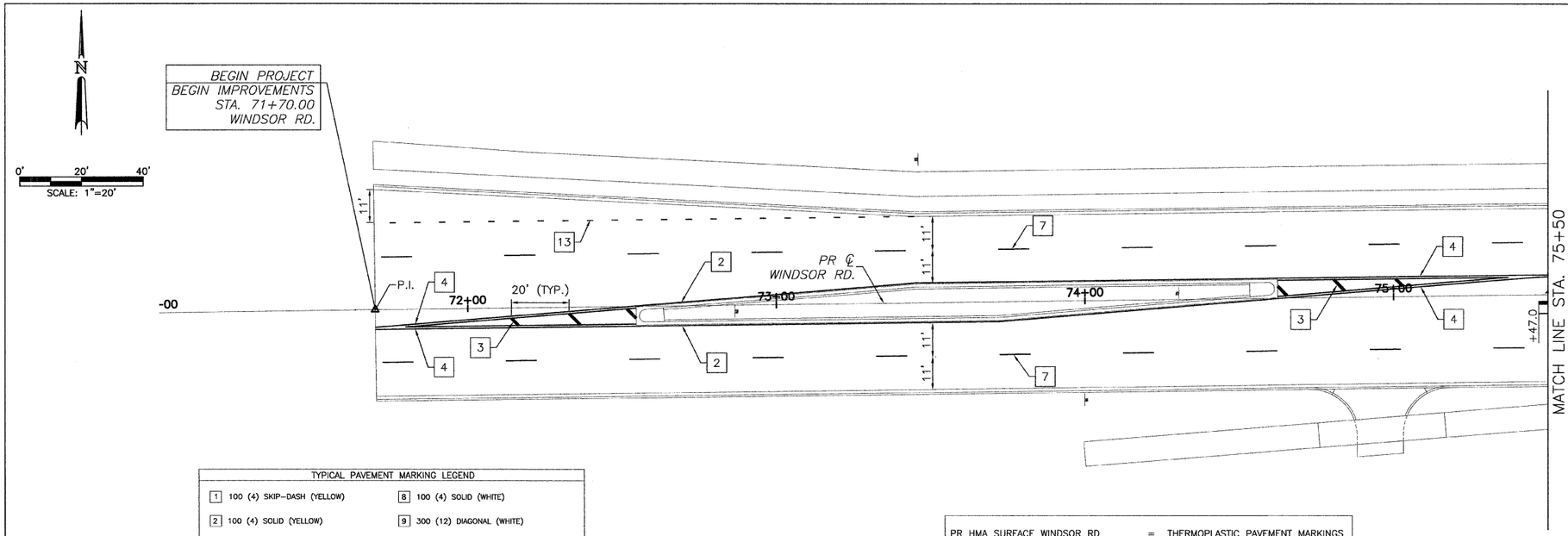
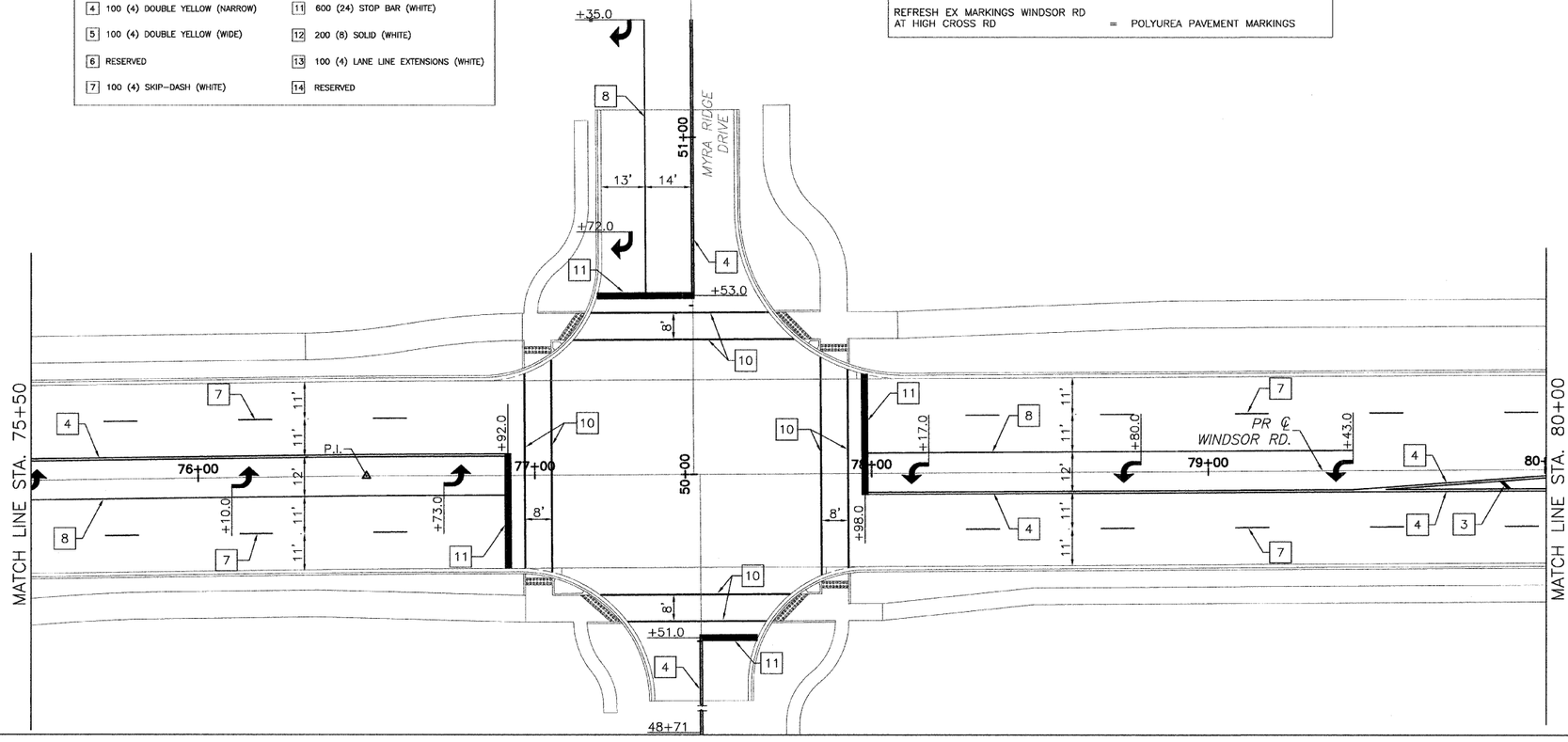
JAN 09 2009 10:53AM RDWYLIGHT DETAILS.DWG

CONTRACT NO. 91391



TYPICAL PAVEMENT MARKING LEGEND	
1 100 (4) SKIP–DASH (YELLOW)	8 100 (4) SOLID (WHITE)
2 100 (4) SOLID (YELLOW)	9 300 (12) DIAGONAL (WHITE)
3 300 (12) DIAGONAL (YELLOW)	10 150 (6) CROSS WALK (WHITE)
4 100 (4) DOUBLE YELLOW (NARROW)	11 600 (24) STOP BAR (WHITE)
5 100 (4) DOUBLE YELLOW (WIDE)	12 200 (8) SOLID (WHITE)
6 RESERVED	13 100 (4) LANE LINE EXTENSIONS (WHITE)
7 100 (4) SKIP–DASH (WHITE)	14 RESERVED

PR HMA SURFACE WINDSOR RD	=	THERMOPLASTIC PAVEMENT MARKINGS
PR CONCRETE SURFACE SIDE STREETS	=	POLYUREA PAVEMENT MARKINGS
REFRESH EX MARKINGS WINDSOR RD AT HIGH CROSS RD	=	POLYUREA PAVEMENT MARKINGS



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WINDSOR ROAD IMPROVEMENTS
PAVEMENT MARKING PLANS
STA 71+00 TO STA 80+00

SHEET NO.
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JAN 07 2009 9:52AM PVMTMARK STA71-00-80+00.DWG

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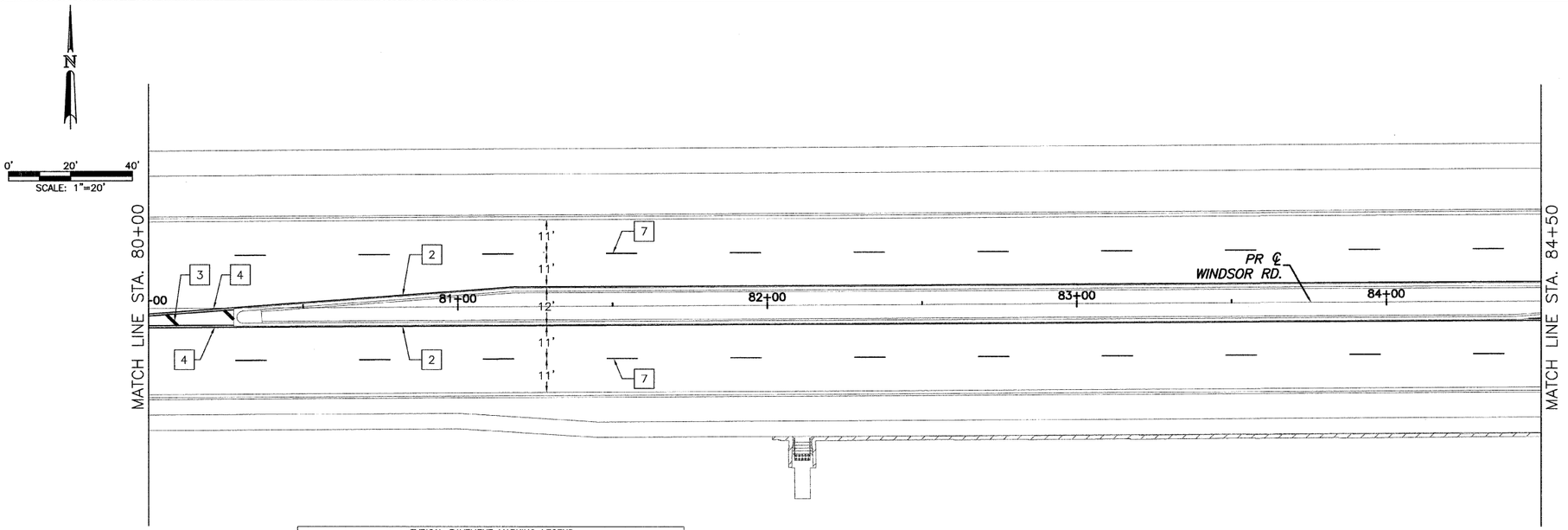

TYPICAL PAVEMENT MARKING LEGEND

1 100 (4) SKIP–DASH (YELLOW)	8 100 (4) SOLID (WHITE)
2 100 (4) SOLID (YELLOW)	9 300 (12) DIAGONAL (WHITE)
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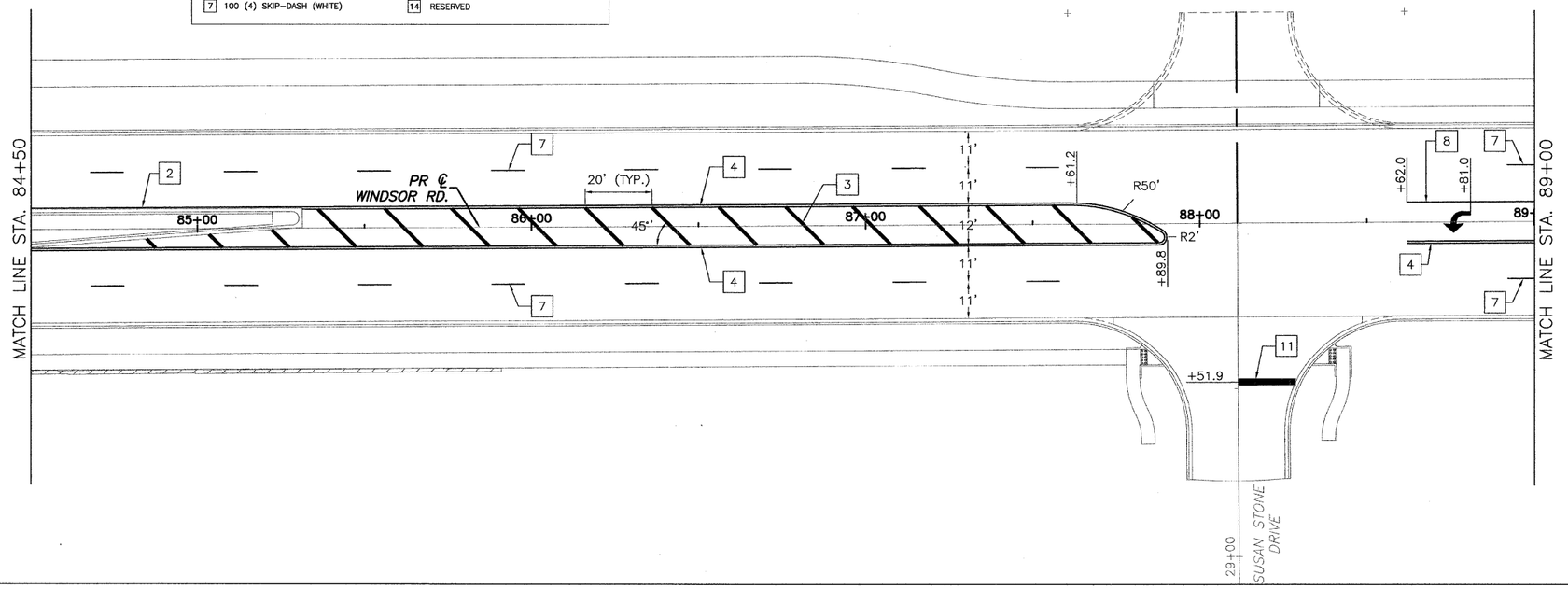
6 RESERVED	13 100 (4) LANE LINE EXTENSIONS (WHITE)
7 100 (4) SKIP–DASH (WHITE)	14 RESERVED

PR HMA SURFACE WINDSOR RD	=	THERMOPLASTIC PAVEMENT MARKINGS
PR CONCRETE SURFACE SIDE STREETS	=	POLYUREA PAVEMENT MARKINGS
REFRESH EX MARKINGS WINDSOR RD AT HIGH CROSS RD	=	POLYUREA PAVEMENT MARKINGS



JAN 07 2009 9:53AM PVMTMARK STA80+00-89+00.DWG

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WINDSOR ROAD IMPROVEMENTS
PAVEMENT MARKING PLANS
STA 80+00 TO STA 89+00

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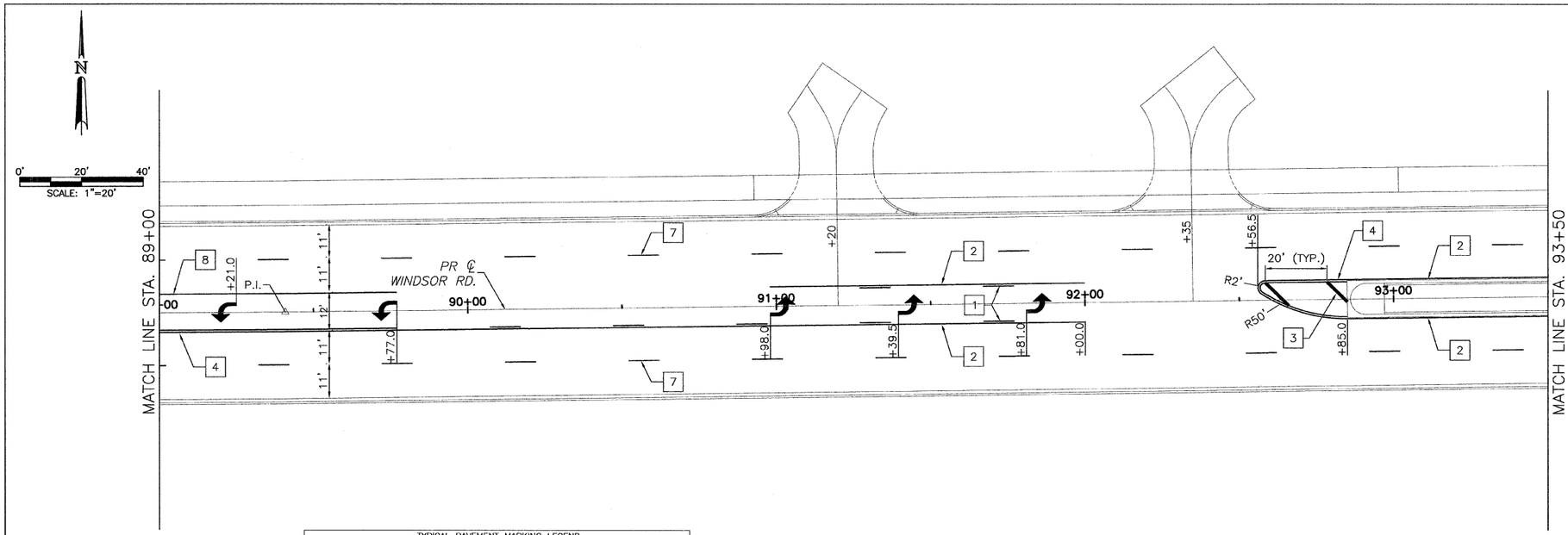
CONTRACT NO. 91391



TYPICAL PAVEMENT MARKING LEGEND	
1 100 (4) SKIP-DASH (YELLOW)	8 100 (4) SOLID (WHITE)
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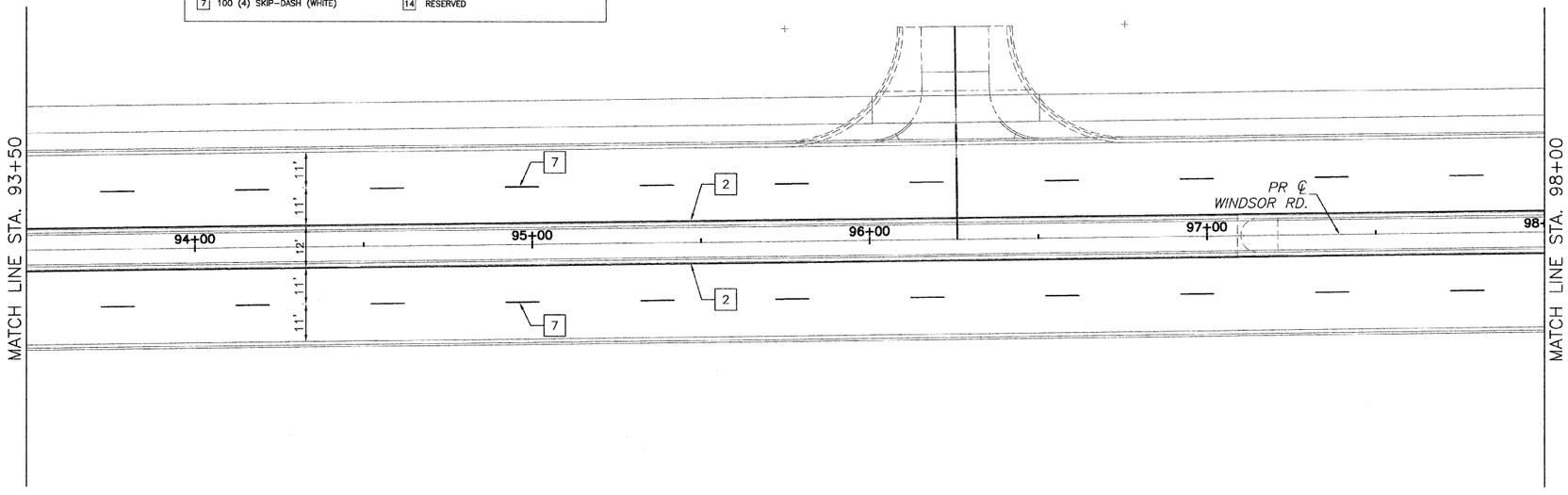
6 RESERVED	13 100 (4) LANE LINE EXTENSIONS (WHITE)
7 100 (4) SKIP-DASH (WHITE)	14 RESERVED

PR HMA SURFACE WINDSOR RD	=	THERMOPLASTIC PAVEMENT MARKINGS
PR CONCRETE SURFACE SIDE STREETS	=	POLYUREA PAVEMENT MARKINGS
REFRESH EX MARKINGS WINDSOR RD AT HIGH CROSS RD	=	POLYUREA PAVEMENT MARKINGS



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WINDSOR ROAD IMPROVEMENTS
PAVEMENT MARKING PLANS
STA 89+00 TO STA 98+00

SHEET NO.
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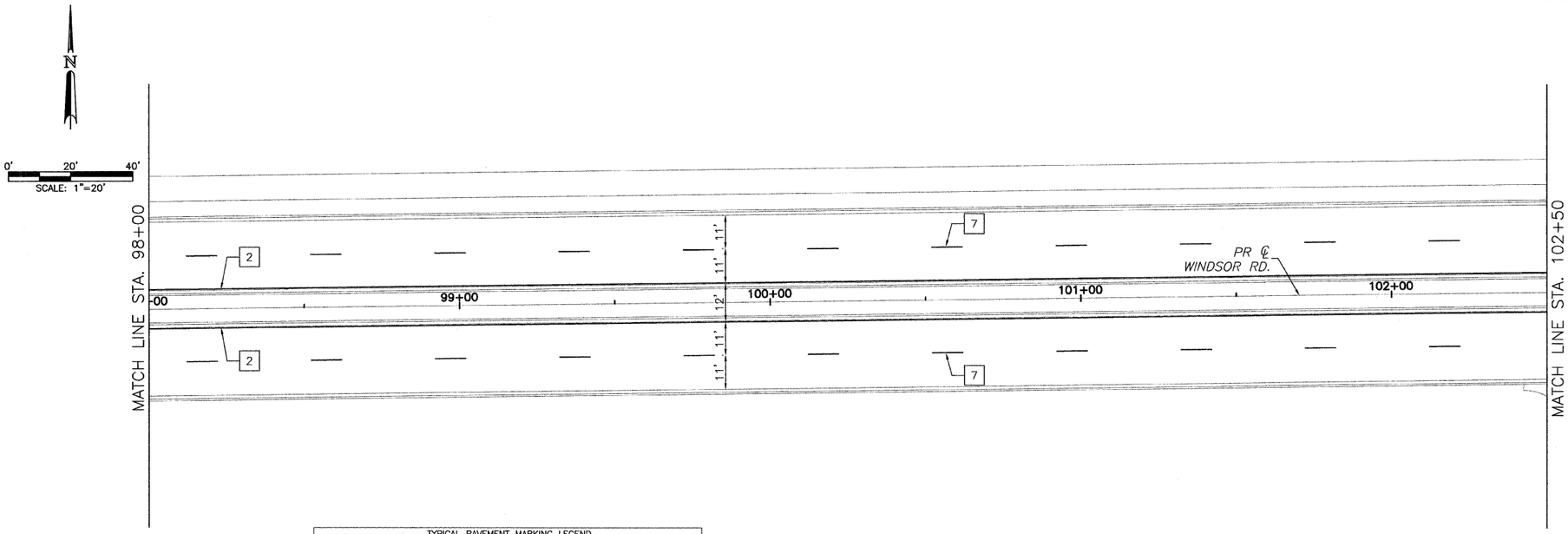

TYPICAL PAVEMENT MARKING LEGEND	
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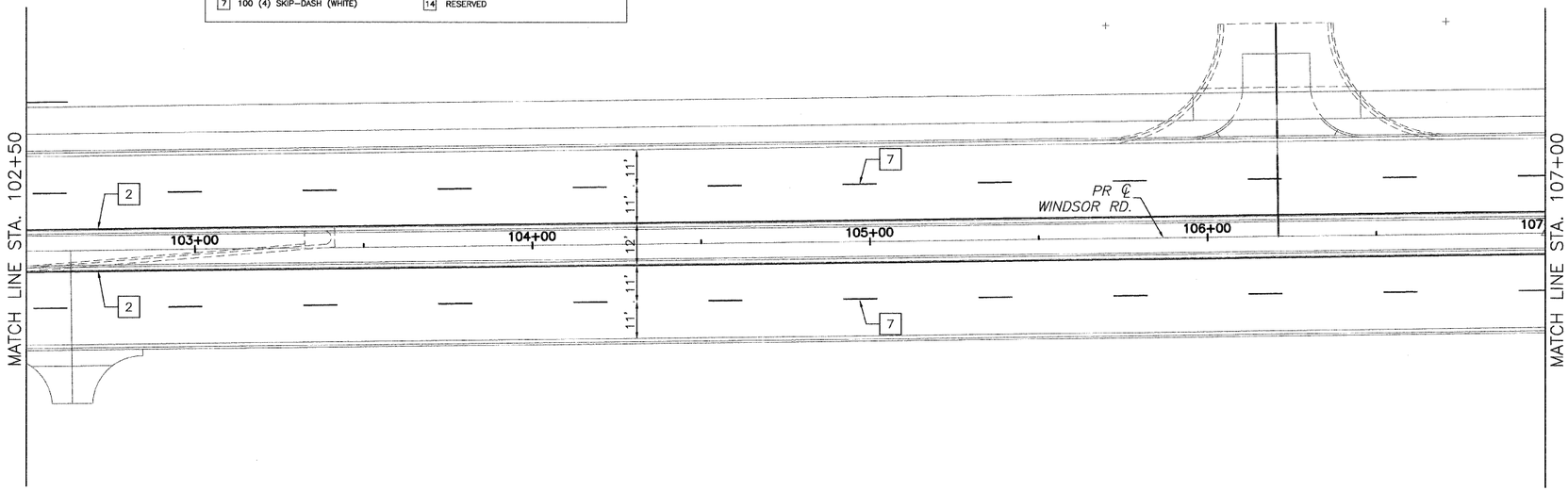
6 RESERVED	13 100 (4) LANE LINE EXTENSIONS (WHITE)
7 100 (4) SKIP–DASH (WHITE)	14 RESERVED

PR HMA SURFACE WINDSOR RD	=	THERMOPLASTIC PAVEMENT MARKINGS
PR CONCRETE SURFACE SIDE STREETS	=	POLYUREA PAVEMENT MARKINGS
REFRESH EX MARKINGS WINDSOR RD AT HIGH CROSS RD	=	POLYUREA PAVEMENT MARKINGS



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WINDSOR ROAD IMPROVEMENTS
PAVEMENT MARKING PLANS
STA 98+00 TO STA 107+00

SHEET NO.
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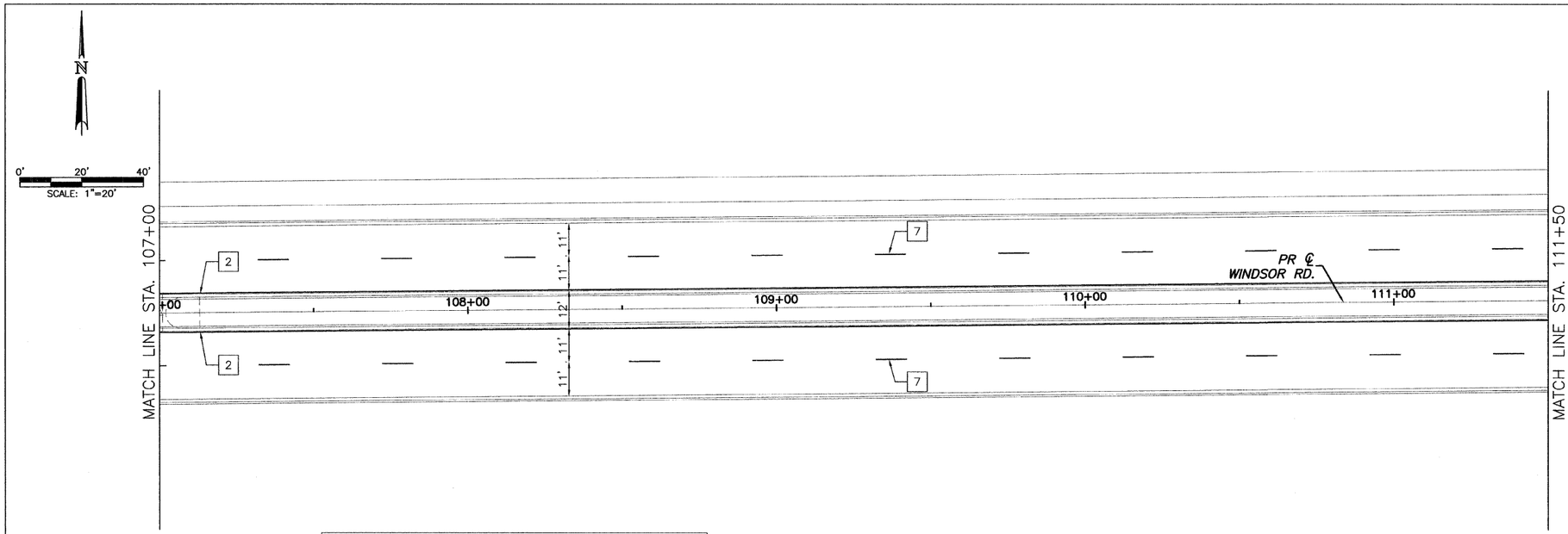
OF
145

CONTRACT NO. 91391



TYPICAL PAVEMENT MARKING LEGEND	
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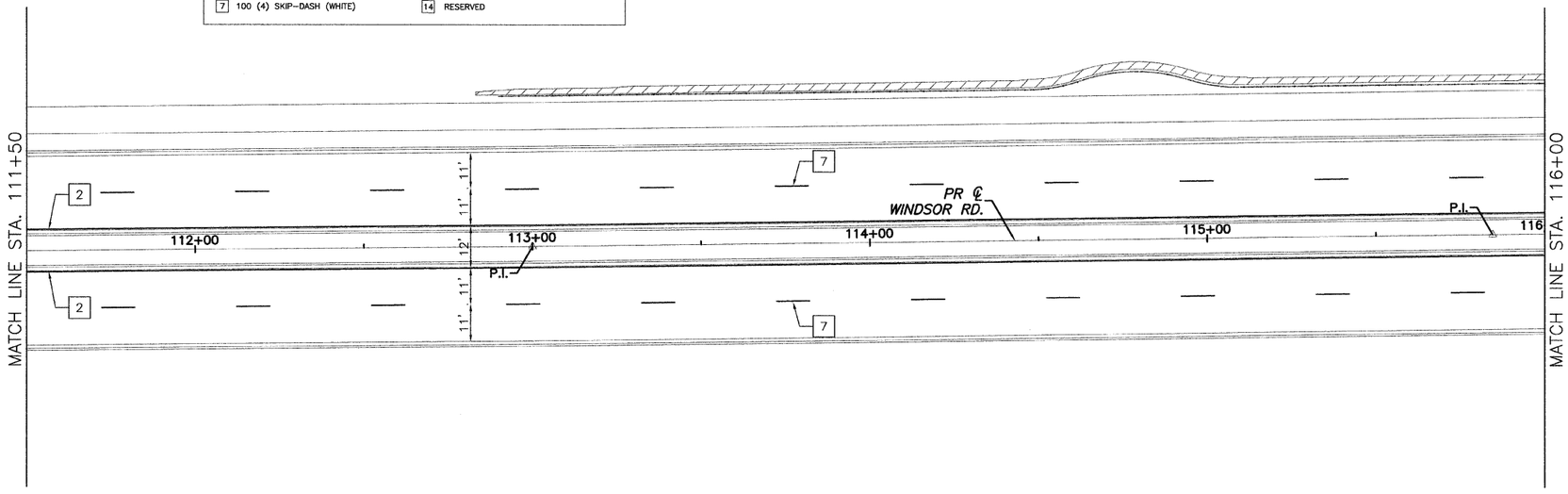
6 RESERVED	13 100 (4) LANE LINE EXTENSIONS (WHITE)
7 100 (4) SKIP-DASH (WHITE)	14 RESERVED

PR HMA SURFACE WINDSOR RD	=	THERMOPLASTIC PAVEMENT MARKINGS
PR CONCRETE SURFACE SIDE STREETS	=	POLYUREA PAVEMENT MARKINGS
REFRESH EX MARKINGS WINDSOR RD AT HIGH CROSS RD	=	POLYUREA PAVEMENT MARKINGS



CITY OF URBANA
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WINDSOR ROAD IMPROVEMENTS
PAVEMENT MARKING PLANS
STA 107+00 TO STA 116+00

SHEET NO.
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OF
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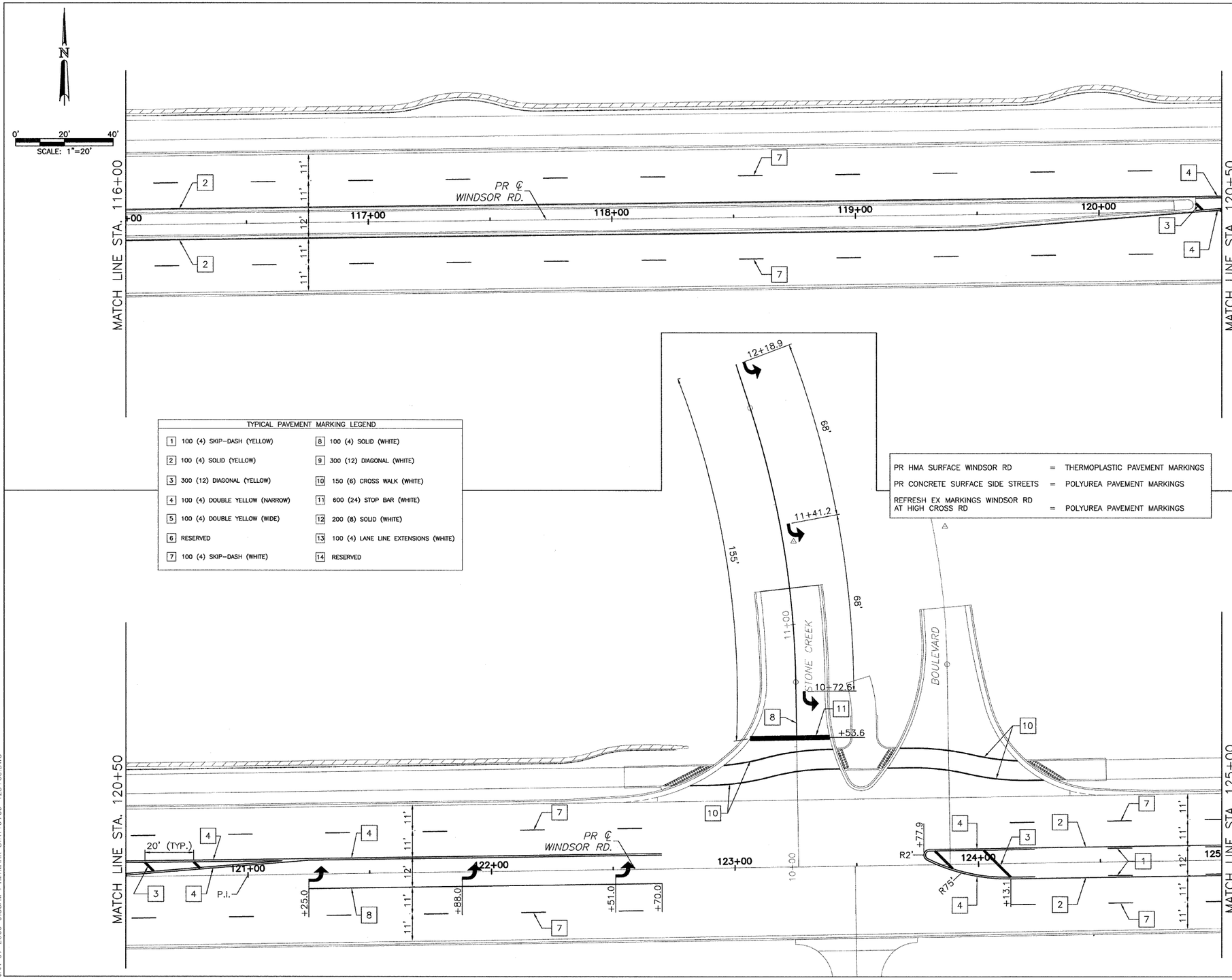
JAN 07 2009 9:54AM PVMTMARK STA107+00-116+00.DWG

CONTRACT NO. 91391



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1 100 (4) SKIP-DASH (YELLOW)	8 100 (4) SOLID (WHITE)
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6 RESERVED	13 100 (4) LANE LINE EXTENSIONS (WHITE)
7 100 (4) SKIP-DASH (WHITE)	14 RESERVED

PR HMA SURFACE WINDSOR RD	=	THERMOPLASTIC PAVEMENT MARKINGS
PR CONCRETE SURFACE SIDE STREETS	=	POLYUREA PAVEMENT MARKINGS
REFRESH EX MARKINGS WINDSOR RD AT HIGH CROSS RD	=	POLYUREA PAVEMENT MARKINGS

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WINDSOR ROAD IMPROVEMENTS
PAVEMENT MARKING PLANS
STA 116+00 TO STA 125+00

SHEET NO.
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OF
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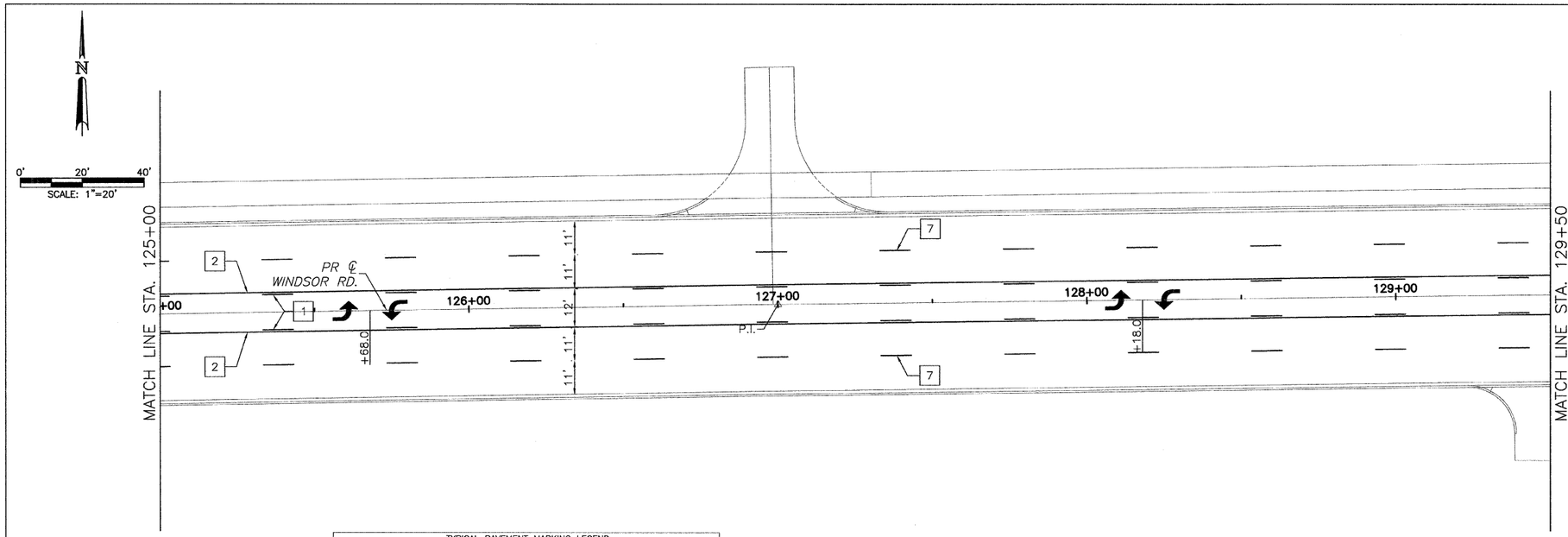
JAN 07 2009 9:55AM PVMTMARK STA116+00-125+00.DWG

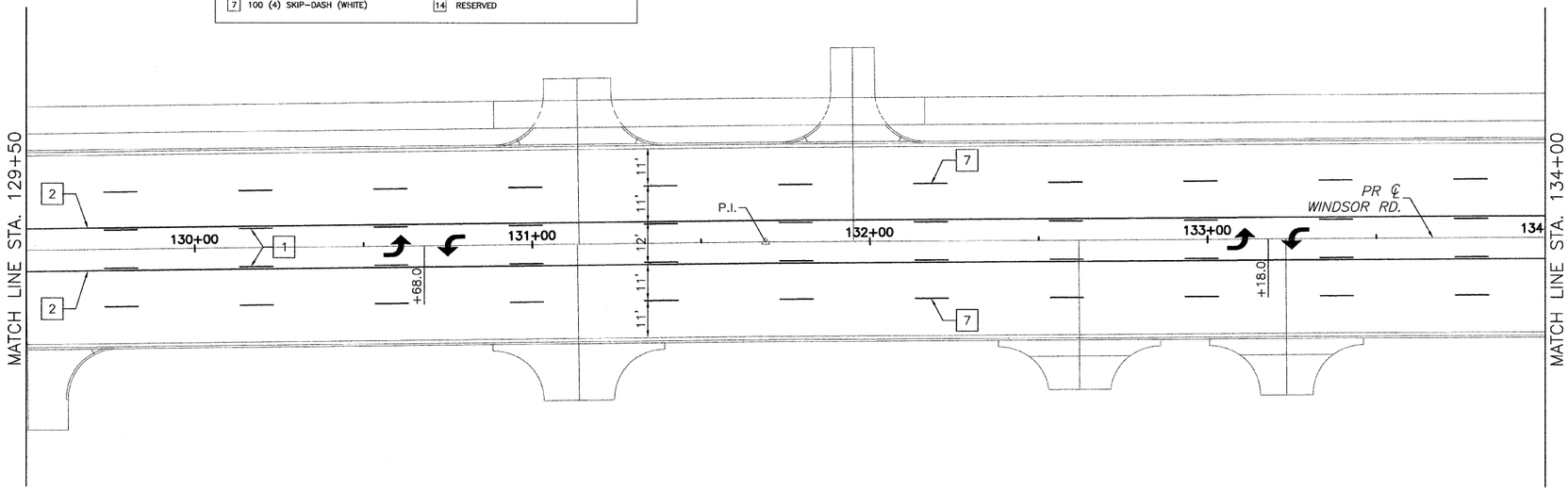
CONTRACT NO. 91391



TYPICAL PAVEMENT MARKING LEGEND

1	100 (4) SKIP-DASH (YELLOW)	8	100 (4) SOLID (WHITE)
2	100 (4) SOLID (YELLOW)	9	300 (12) DIAGONAL (WHITE)
3	300 (12) DIAGONAL (YELLOW)	10	150 (6) CROSS WALK (WHITE)
4	100 (4) DOUBLE YELLOW (NARROW)	11	600 (24) STOP BAR (WHITE)
5	100 (4) DOUBLE YELLOW (WIDE)	12	200 (8) SOLID (WHITE)
6	RESERVED	13	100 (4) LANE LINE EXTENSIONS (WHITE)
7	100 (4) SKIP-DASH (WHITE)	14	RESERVED

PR HMA SURFACE WINDSOR RD	=	THERMOPLASTIC PAVEMENT MARKINGS
PR CONCRETE SURFACE SIDE STREETS	=	POLYUREA PAVEMENT MARKINGS
REFRESH EX MARKINGS WINDSOR RD AT HIGH CROSS RD	=	POLYUREA PAVEMENT MARKINGS



CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DATED: 1/09
DESIGNED BY: CES
DRAWN BY: PLS
CHECKED BY: GLJ
CITY SECTION
00-00361-00-PV

WINDSOR ROAD IMPROVEMENTS
PAVEMENT MARKING PLANS
STA 125+00 TO STA 134+00

SHEET NO.
98
OF
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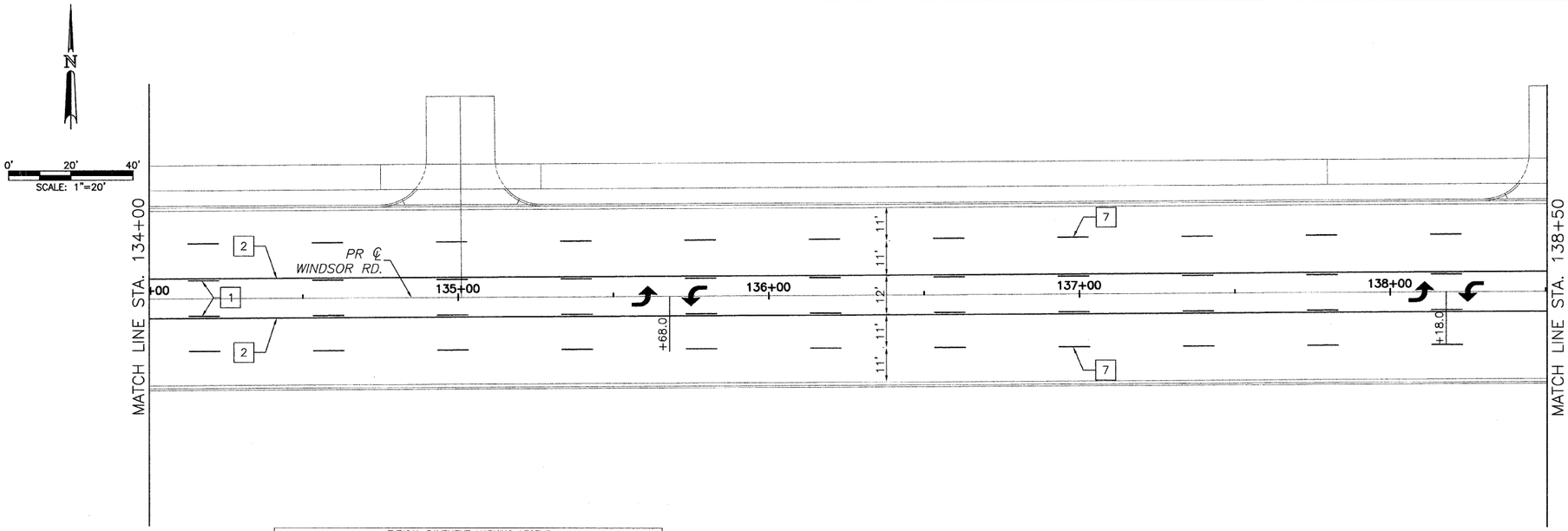
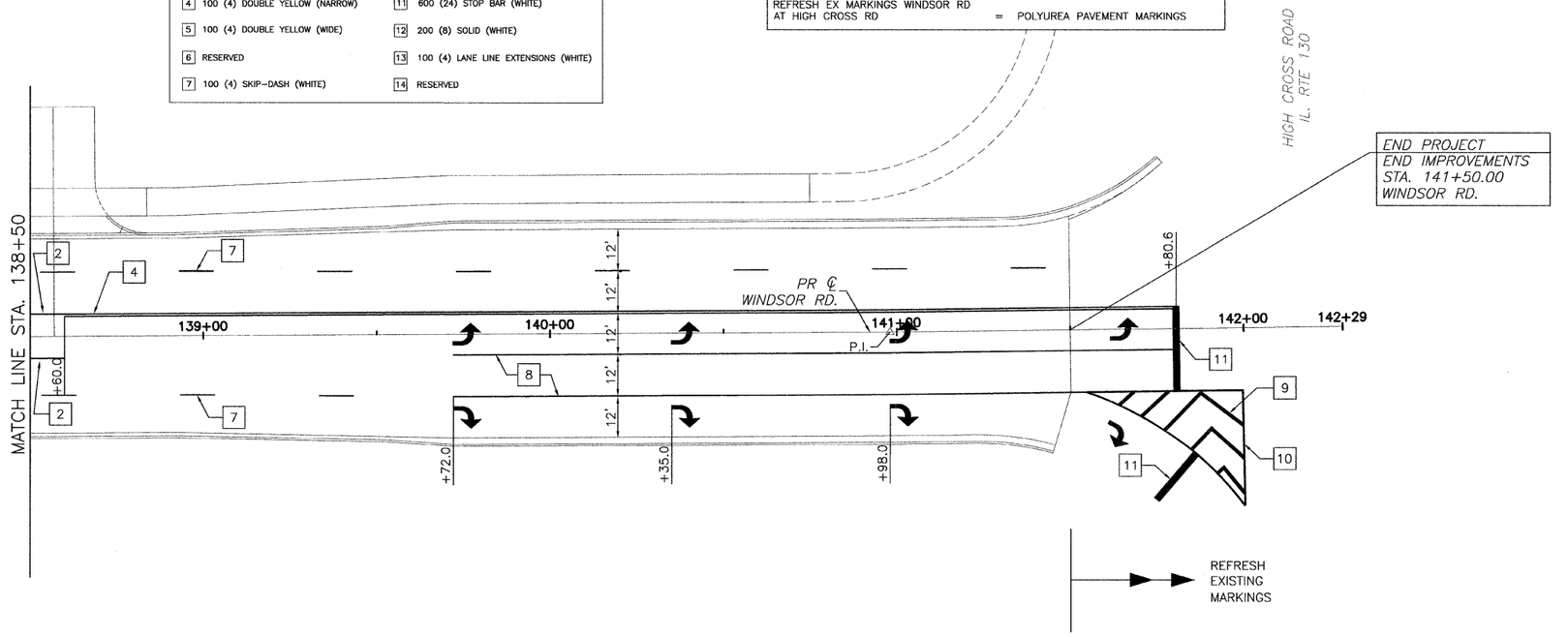
JAN 07 2009 9:55AM PVMTMARK STA125+00-134+00.DWG

CONTRACT NO. 91391



TYPICAL PAVEMENT MARKING LEGEND	
1 100 (4) SKIP-DASH (YELLOW)	8 100 (4) SOLID (WHITE)
2 100 (4) SOLID (YELLOW)	9 300 (12) DIAGONAL (WHITE)
3 300 (12) DIAGONAL (YELLOW)	10 150 (6) CROSS WALK (WHITE)
4 100 (4) DOUBLE YELLOW (NARROW)	11 600 (24) STOP BAR (WHITE)
5 100 (4) DOUBLE YELLOW (WIDE)	12 200 (8) SOLID (WHITE)
6 RESERVED	13 100 (4) LANE LINE EXTENSIONS (WHITE)
7 100 (4) SKIP-DASH (WHITE)	14 RESERVED

PR HMA SURFACE WINDSOR RD	=	THERMOPLASTIC PAVEMENT MARKINGS
PR CONCRETE SURFACE SIDE STREETS	=	POLYUREA PAVEMENT MARKINGS
REFRESH EX MARKINGS WINDSOR RD AT HIGH CROSS RD	=	POLYUREA PAVEMENT MARKINGS



JAN 07 2009 9:56AM PVMTMARK STA134+00-142+29.DWG

CITY OF URBANA
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ENGINEERING DIVISION

DATED: 1/09 | DRAWN BY: PLS

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CITY SECTION
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WINDSOR ROAD IMPROVEMENTS
PAVEMENT MARKING PLANS
STA 134+00 TO STA 142+29

SHEET NO.
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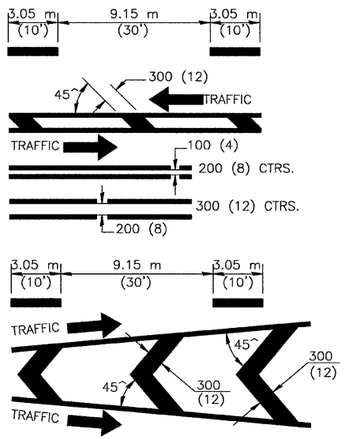
145

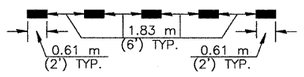
TYPICAL APPLICATIONS OF URBAN PAVEMENT MARKINGS AND MARKERS

CONTRACT NO. 91391

TYPICAL PAVEMENT MARKING LEGEND

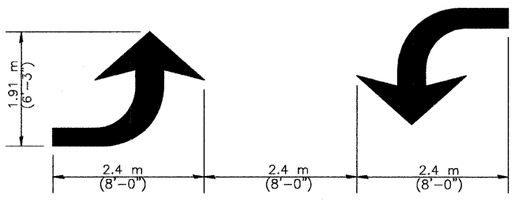
1. 100 (4) SKIP–DASH (YELLOW)
2. 100 (4) SOLID (YELLOW)
3. 300 (12) DIAGONAL (YELLOW)
4. 100 (4) DOUBLE YELLOW (NARROW)
5. 100 (4) DOUBLE YELLOW (WIDE)
6. RESERVED
7. 100 (4) SKIP–DASH (WHITE)
8. 100 (4) SOLID (WHITE)
9. 300 (12) DIAGONAL (WHITE)
10. 150 (6) CROSS WALK (WHITE)
11. 600 (24) STOP BAR (WHITE)
12. 200 (8) SOLID (WHITE)
13. 100 (4) LANE LINE EXTENSIONS (WHITE)
14. RESERVED





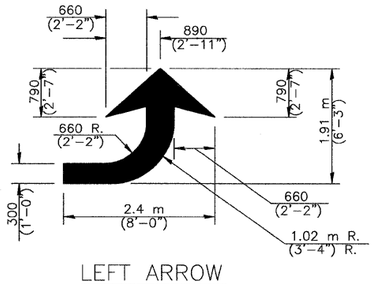
TYPICAL PAVEMENT MARKERS LEGEND

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



TYPICAL DOUBLE TURN ARROWS (WHITE)

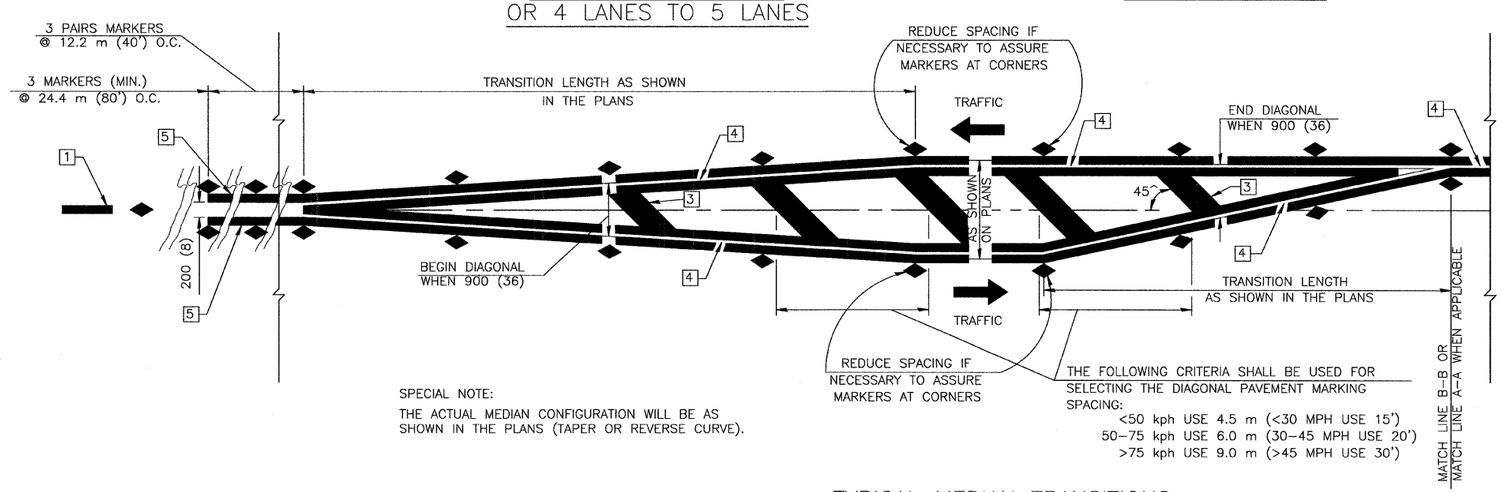
All dimensions are in millimeters (inches) unless otherwise shown.



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

2 LANES TO 3 LANES OR 4 LANES TO 5 LANES

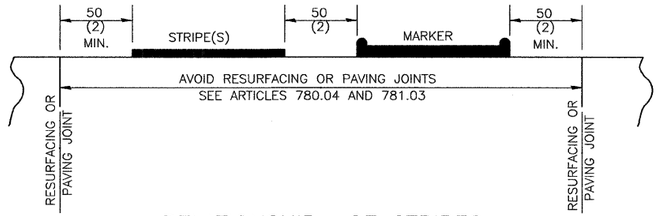
LEFT TURN LANE



SPECIAL NOTE:
THE ACTUAL MEDIAN CONFIGURATION WILL BE AS SHOWN IN THE PLANS (TAPER OR REVERSE CURVE).

THE FOLLOWING CRITERIA SHALL BE USED FOR SELECTING THE DIAGONAL PAVEMENT MARKING SPACING:
<50 kph USE 4.5 m (<30 MPH USE 15')
50–75 kph USE 6.0 m (30–45 MPH USE 20')
>75 kph USE 9.0 m (>45 MPH USE 30')

TYPICAL MEDIAN TRANSITIONS



RELATIONSHIP OF STRIPES, MARKERS AND JOINTS

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.

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DRAWN BY: AJS
CHECKED BY: GLJ
DATED: 1/09
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WINDSOR ROAD IMPROVEMENTS
PAVEMENT MARKING DETAILS

SHEET NO.
100
OF
145

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