F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	07-00456-00-RS	CHAMPAIGN	75	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 91392		

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ILLINOIS HIGHWAY STANDARD DRAWINGS
(SEE SHEET NO. 3)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

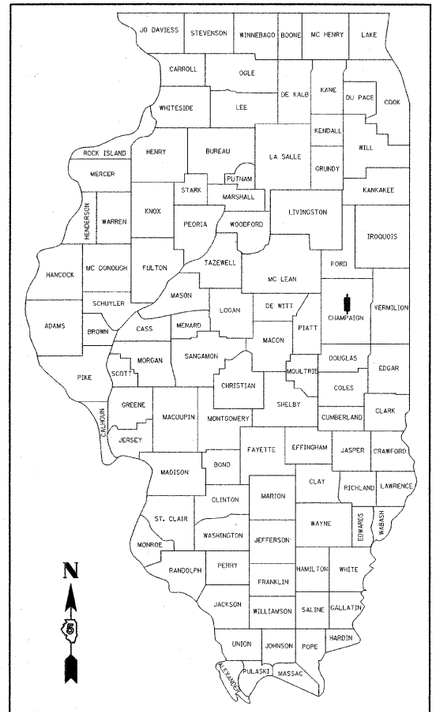
PLANS FOR PROPOSED STREET IMPROVEMENTS

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

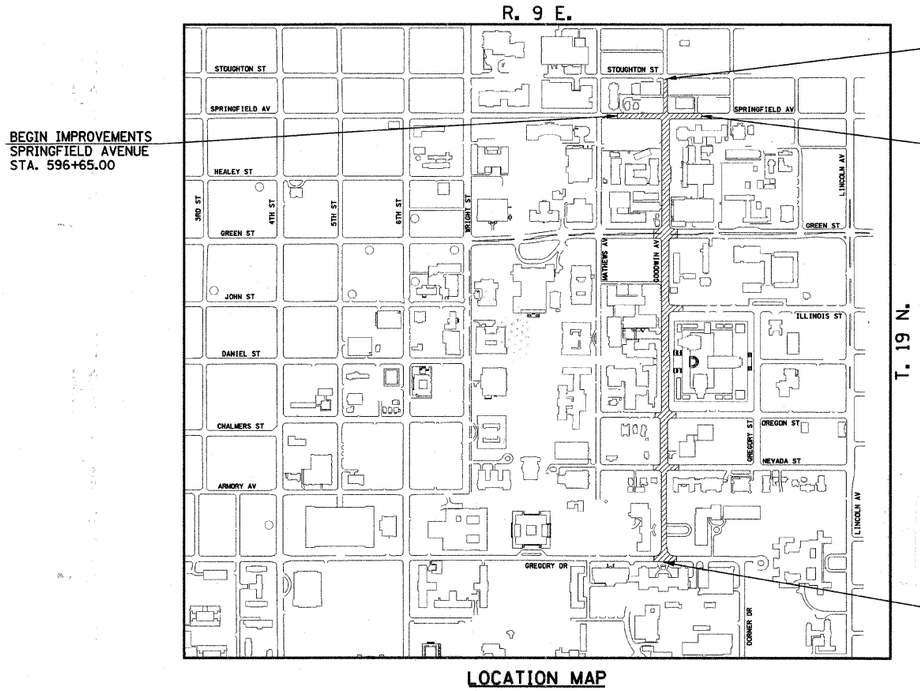
CITY OF URBANA
CHAMPAIGN COUNTY, ILLINOIS
CITY SECTION NO. 07-00456-00-RS
PROJECT NO. HSIP-5181(41)
JOB NO. C-95-317-08

GOODWIN AVENUE - F.A.U. ROUTE 7175

PEDESTRIAN AND BICYCLE SAFETY IMPROVEMENTS
GREGORY DRIVE TO SPRINGFIELD AVENUE



LOCATION OF SECTION INDICATED THUS:-



LOCATION MAP
SCALE : 1" = 500'

BEGIN IMPROVEMENTS
SPRINGFIELD AVENUE
STA. 596+65.00

END IMPROVEMENTS
GOODWIN AVENUE
STA. 43+83.00

END IMPROVEMENTS
SPRINGFIELD AVENUE
STA. 602+56.00

BEGIN IMPROVEMENTS
GOODWIN AVENUE
STA. 10+00.00

FUNCTIONAL CLASSIFICATION = COLLECTOR

ADT = 5400

TOTAL LENGTH OF GOODWIN AVENUE IMPROVEMENT	= 3,383.00 FEET	= 0.64 MILES
TOTAL LENGTH OF SPRINGFIELD AVENUE IMPROVEMENT	= 591.00 FEET	= 0.11 MILES
TOTAL LENGTH OF IMPROVEMENTS	= 3,974.00 FEET	= 0.75 MILES

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

LICENSE EXPIRES
11/30/09

PROFESSIONAL ENGINEER
CLARK DIETZ, INC.
FOR SHEETS 1-63 AND 72-75

DATE : 01/09/2009
LICENSE EXPIRES 11-30-09

CITY OF URBANA
APPROVED JAN. 13 20 09
DIRECTOR OF PUBLIC WORKS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

Released for Bid Based on Limited Review FEB 3 20 09
REGION 3 ENGINEER

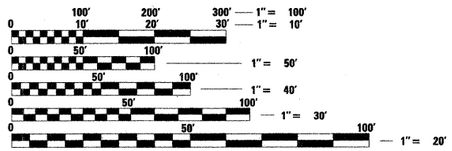
PASSED 2/2 20 09
DISTRICT ENGINEER OF LOCAL ROADS AND STREETS

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

JULIAN A. JONES
062-052537
REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS

Clark Dietz
ENGINEERS
DESIGN FIRM REGISTRATION No. 184-000450

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



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

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

CONTRACT NO. 91392

P:\U0070052\Plans\sheets\01-Cover.dgn
1/8/2009 3:54:29 PM

GENERAL NOTES

1. ALL ELEVATIONS SHOWN ARE REFERRED TO THE N.G.V.D. 1929 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 TERMS "STANDARD SPECIFICATIONS FOR WATER MAIN CONSTRUCTION" OR "STANDARD SPECIFICATIONS FOR SEWER CONSTRUCTION" ARE USED IT SHALL BE UNDERSTOOD BY THE CONTRACTOR TO MEAN THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" AS PREPARED BY I.S.P.E., A.G.C.I., I.M.L., AND U.C.A., ADOPTED MAY 1996.

4. ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS SHALL BE INTERPRETED TO BE THE LATEST STANDARDS OF THE DEPARTMENT AS SHOWN ON THE HIGHWAY STANDARDS AND LEGEND SHEET NO. 3.

5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THE PROJECT.

6. THE CONTRACTOR WILL BE REQUIRED TO COMPLY WITH STATE REGULATIONS REGARDING AIR, WATER, AND NOISE POLLUTION.

7. THE CONTRACTOR SHALL TAKE CARE NOT TO STORE OR DISPOSE OF DEBRIS OR UNSUITABLE MATERIALS WITHIN LIMITS OF THE IMPROVEMENT AND TAKE CARE TO LIMIT CONSTRUCTION TO WITHIN THE RIGHT-OF-WAY AND EASEMENT AREAS. UNNECESSARY ENCROACHMENTS ONTO PRIVATE OR PUBLIC AREAS WILL NOT BE ALLOWED.

8. WHERE SECTION OR SUBSECTION MONUMENTS, BENCHMARKS, OR IRON PIPE MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL MONUMENTS UNTIL AN ILLINOIS REGISTERED LAND SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR WILL BE RESPONSIBLE FOR HAVING AN ILLINOIS REGISTERED LAND SURVEYOR RE-ESTABLISH ANY MONUMENTS UNNECESSARILY DESTROYED BY HIS OPERATIONS.

9. ALL STREET RETURNS HAVE RADII DESIGNATED TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED ON THE PLANS.

10. THE EXCAVATION FOR THIS PROJECT IS CLASSIFIED AS EARTH EXCAVATION IN ACCORDANCE WITH SECTION 202 OF THE STANDARD SPECIFICATIONS AND AS PROVIDED IN THE CONTRACT SPECIFICATIONS. THE EARTH EXCAVATION SHALL INCLUDE THE REMOVAL OF EARTH AND UNCLASSIFIED MATERIALS. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES AND AGENCIES PRIOR TO EXCAVATION OPERATIONS. EARTH EXCAVATION WILL NOT BE MEASURED FOR PAYMENT BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE SPECIFIC CONSTRUCTION PAY ITEM REQUIRING THE EXCAVATION, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. THE REMAINING EXCAVATION IS CLASSIFIED AS PAVEMENT REMOVAL, COMBINATION CURB AND GUTTER REMOVAL, CURB REMOVAL, AND SIDEWALK REMOVAL.

11. TREES TO BE REMOVED: THE INDICATED TREES (INCLUDING STUMPS) TO BE REMOVED SHALL BE SUITABLY MARKED BY THE ENGINEER BEFORE TREE REMOVAL OPERATIONS BEGIN. ALL TREES, STUMPS AND ROOTS SHALL BE COMPLETELY REMOVED AND DISPOSED OF. THIS WORK SHALL BE INCLUDED IN THE COST OF THE TREE REMOVAL AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

12. TREES TO BE SAVED: PARTICULAR EFFORT SHALL BE MADE TO SAVE ALL DESIRABLE EXISTING TREES OR SHRUBS. ONLY A MINIMUM OF GRADING WILL BE PERMITTED AROUND TREES AS DETERMINED BY THE ENGINEER. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR UNNECESSARY DAMAGE TO TREES, SHRUBS, OR LANDSCAPING INTENDED TO BE SAVED. SNOW FENCE SHALL BE ERECTED TEN FEET FROM TREES AND SHRUBS TO REMAIN THAT ARE IMMEDIATELY ADJACENT TO THE WORK, AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

13. TREES TO BE PRUNED: TREE PRUNING WILL BE PERFORMED BY THE CITY OF URBANA. THE CONTRACTOR SHALL NOTIFY THE CITY OF URBANA OF TREES THAT WILL REQUIRE PRUNING A MINIMUM OF 48 HOURS IN ADVANCE OF THE WORK.

14. THE EXISTING TRAFFIC SIGNS AND POSTS WHICH INTERFERE WITH THE CONSTRUCTION SHALL BE REMOVED AND RESET, AS THE CASE MAY BE, 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 SHALL BE RETURNED TO THE CITY OF URBANA'S PUBLIC WORKS GARAGE AT 706 SOUTH GLOVER AVENUE. REFER TO THE SPECIAL PROVISIONS FOR "TRAFFIC CONTROL COMPLETE" AND "REMOVING AND RESETTING STREET SIGNS" FOR ADDITIONAL INFORMATION ON REMOVING AND RESETTING THE EXISTING TRAFFIC SIGNS.

15. ONLY EXISTING PAVEMENTS AND BASE COURSES COMPOSED OF PORTLAND CEMENT CONCRETE, HOT-MIX ASPHALT, OR BRICK SHALL BE MEASURED AND PAID FOR AS PAVEMENT REMOVAL IN ACCORDANCE WITH SECTION 440 OF THE STANDARD SPECIFICATIONS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PAVEMENT REMOVAL ITEMS DUE TO VARIATIONS IN THE EXISTING PAVEMENT TYPE, THICKNESS, OR AMOUNT OF REINFORCEMENT. THE ADJUSTMENT OF QUANTITIES AS SPECIFIED IN ARTICLE 440.07 OF THE STANDARD SPECIFICATIONS SHALL NOT APPLY. REMOVAL OF OTHER TYPES OF PAVEMENT COMPOSITION SUCH AS AGGREGATE OR OIL AND CHIP SHALL BE CLASSIFIED AS EARTH EXCAVATION.

16. THE FINISHED EARTHWORK SHALL HAVE VEGETATIVE SUSTAINING SOIL COVERING THE TOP 6 INCHES IN AREAS TO BE SODDED OR SEEDED. THE TOPSOIL REQUIRED WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR TOPSOIL FURNISH AND PLACE, 6". 12 INCHES OF TOPSOIL SHALL BE FURNISHED AT THE LOCATIONS SHOWN ON THE PLANS. THE TOPSOIL REQUIRED FOR THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR TOPSOIL FURNISH AND PLACE, 12".

17. ALL DISTURBED AREAS SHALL BE SODDED OR SEEDED AS SHOWN ON THE PLANS. SEEDING, SODDING, AND MULCHING SHALL BE DONE AS SOON AS EACH STAGE IS COMPLETED AS DIRECTED BY THE ENGINEER. EXISTING TURF WHICH IS DAMAGED OUTSIDE THE LIMITS OF RIGHT-OF-WAY, EASEMENTS OR CONSTRUCTION SHALL BE REESTABLISHED WITH SOD OR SEED AS DIRECTED BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE.

18. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HOT-MIX ASPHALT LIFTS.

19. THE FOLLOWING RATES OF APPLICATION HAVE BEEN ASSUMED IN CALCULATING PLAN QUANTITIES:

BITUMINOUS PRIME COAT - PAVED SURFACE (CSS-1)	0.05 TO 0.10 GAL/SQ YD
- AGGREGATE BASE (MC-30)	0.25 TO 0.50 GAL/SQ YD
AGGREGATE PRIME COAT - PAVED SURFACE	4 LBS/SQ YD
HOT-MIX ASPHALT (ALL TYPES)	112 LBS/SQ YD/INCH THICK
AGGREGATE MATERIALS	2.05 TON/CU YD

20. UTILITY LOCATIONS WERE PLOTTED FROM INFORMATION FURNISHED BY THE VARIOUS UTILITY COMPANIES AND THEIR ACCURACY SHOULD BE CONSIDERED APPROXIMATE. NO RESPONSIBILITY IS ACCEPTED FOR THE LOCATIONS AS SHOWN OR THAT ALL UTILITY FACILITIES ARE SHOWN. UTILITY LOCATIONS SHOWN IN THE PLANS ARE APPROXIMATE AND REPRESENT LOCATIONS PRIOR TO ANY UTILITY RELOCATIONS REQUIRED TO ACCOMODATE THE PROPOSED CONSTRUCTION. THE CONTRACTOR IS ADVISED THAT SOME UTILITY COMPANIES MAY HAVE RELOCATED THEIR FACILITIES PRIOR TO THE START OF CONSTRUCTION UNDER THIS CONTRACT. BEFORE COMMENCING CONSTRUCTION OPERATIONS THE CONTRACTOR SHALL OBTAIN FROM THE ENGINEER ANY AVAILABLE INFORMATION REGARDING THE RELOCATED POSITIONS OF UTILITIES WITHIN THE PROJECT LIMITS. WHETHER VARIOUS UTILITIES HAVE BEEN RELOCATED OR REMAIN IN THEIR ORIGINAL LOCATION, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THEIR EXACT LOCATION AT THE TIME OF CONSTRUCTION AND TO PROTECT SAME. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR AVOIDING CONFLICTS BETWEEN OVERHEAD UTILITY LINES AND THE EQUIPMENT USED DURING CONSTRUCTION. SEE "STATUS OF UTILITIES" SHEET WITHIN THE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION REGARDING KNOWN UTILITY RELOCATIONS OR ADJUSTMENTS REQUIRED FOR THE PROPOSED CONSTRUCTION. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE SPECIAL PROVISION ENTITLED "COOPERATION WITH UTILITIES" AND ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS.

21. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES.

22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE JULIE NUMBER IS 800-892-0123. THE UNIVERSITY OF ILLINOIS LOCATE SERVICE NUMBER IS 217-333-3463. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED.

23. UTILITY OWNERS:
*INDICATES J.U.L.I.E. MEMBER

*AMEREN IP
1112 WEST ANTHONY DRIVE
URBANA, ILLINOIS 61803
(217) 383-7280

*AT&T
201 SOUTH NEIL STREET
CHAMPAIGN, ILLINOIS 61820
(217) 398-7990

*CITY OF URBANA PUBLIC WORKS
706 SOUTH GLOVER AVENUE
URBANA, ILLINOIS 61802
(217) 384-2385

*COMCAST
303 FAIRLAWN DRIVE
URBANA, ILLINOIS 61801
(217) 384-2510

*ILLINOIS AMERICAN WATER
201 DEVONSHIRE DRIVE
CHAMPAIGN, ILLINOIS 61820
(217) 373-3258

*UNIVERSITY OF ILLINOIS
FACILITIES AND SERVICES
PHYSICAL PLANT SERVICE BUILDING
1501 SOUTH OAK STREET
CHAMPAIGN, ILLINOIS 61820
(217) 333-8484

UNIVERSITY OF ILLINOIS
CAMPUS INFORMATION TECHNOLOGIES
AND EDUCATIONAL SERVICES
DIGITAL COMPUTER LABORATORY
1304 WEST SPRINGFIELD AVENUE
URBANA, ILLINOIS 61801
(217) 333-1637

24. 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 IN THE COST OF THE VARIOUS REMOVAL PAY ITEMS, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

25. 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.

26. ALL TRENCHES AND EXCAVATIONS FOR DRAINAGE PIPES, STRUCTURES, OR STRUCTURE REMOVALS BELOW OR WITHIN TWO FEET LATERALLY OF THE PROPOSED PAVEMENT, SIDEWALK OR CURB AND GUTTER SHALL BE BACKFILLED WITH CONTROLLED LOW-STRENGTH MATERIAL (CLSM) AS SHOWN ON THE PLANS AND IN ACCORDANCE WITH SECTION 593 OF THE STANDARD SPECIFICATIONS AND THE DETAIL IN THE PLANS. THE BACKFILLING WITH CONTROLLED LOW-STRENGTH MATERIAL AROUND DRAINAGE STRUCTURES WILL NOT BE MEASURED FOR PAYMENT AND SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE FOR THE VARIOUS TYPES OF DRAINAGE STRUCTURES.

27. 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 SECTIONS 40-2.01 AND 40-2.02 OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS. PVC PIPE WILL NOT BE ALLOWED.

28. THE TOP-OF-FRAME ELEVATIONS REFERRED TO IN THE DRAINAGE STRUCTURE CALL-OUTS FOR A TYPE 1 FRAME AND LID OR TYPE 8 GRATE ARE TAKEN ADJACENT TO THE PAVEMENT OR GROUND SURFACE.

29. THE TOP-OF-FRAME ELEVATIONS REFERRED TO IN THE DRAINAGE STRUCTURE CALL-OUTS FOR A TYPE 11 FRAME AND GRATE PLACED WITHIN TYPE B-6.12 CURB AND GUTTER ARE TAKEN ALONG THE EDGE OF FRAME WHICH IS COLINEAR WITH THE EDGE OF PAVEMENT. THIS FRAME ELEVATION IS 1/4" LOWER THAN THE ADJACENT EDGE OF PAVEMENT ELEVATION FOR ASPHALT PAVEMENTS. THE TYPE 11 FRAMES AND GRATES SHALL BE PROVIDED WITH OPEN FACE CURB BOXES AS DESCRIBED IN THE SPECIAL PROVISIONS. SEE THE DRAINAGE STRUCTURE FRAME AND GRATE DETAIL SHOWN ON THE MISCELLANEOUS DETAIL SHEETS.

30. 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.

31. WHERE PROPOSED SEWERS ARE TO BE CONNECTED INTO EXISTING MANHOLES OR EXISTING SEWERS, THE CONNECTIONS SHALL BE MADE IN A WORKMANLIKE MANNER, AND MASONRY SHALL BE CONSTRUCTED AROUND THEM SO AS TO PREVENT LEAKAGE. CONNECTIONS OF PROPOSED SEWERS TO EXISTING STRUCTURES SHALL BE MADE BY CORE DRILLING HOLES IN THE STRUCTURES. THE COST OF MAKING ANY SEWER CONNECTIONS TO AN EXISTING STRUCTURE OR PIPE SHALL BE CONSIDERED INCLUDED WITHIN THE CONTRACT UNIT PRICE FOR THE NEW SEWER.

32. THE EXISTING SEWERS TO BE REMOVED FOR THE PROPOSED IMPROVEMENTS SHALL BE REMOVED IN ACCORDANCE WITH SECTION 551 OF THE STANDARD SPECIFICATIONS EXCEPT THAT SALVAGING OF THE PIPE WILL NOT BE REQUIRED. STORM SEWER REMOVAL AND SANITARY SEWER REMOVAL WILL NOT BE PAID FOR SEPARATELY WHEN THE PROPOSED SEWER AND THE EXISTING SEWER ARE AT THE SAME TRENCH LOCATION. EXISTING PIPES SHALL BE PLUGGED AT THE LOCATIONS SHOWN ON THE PLANS IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND AS DIRECTED BY THE ENGINEER.

33. EXISTING PAVEMENTS, CURBS AND GUTTERS, AND SIDEWALKS IN WHICH THE TOP SURFACE IS TO BE JOINED TO THE PROPOSED WORK SHALL BE SO JOINED THROUGH SAW CUT JUNCTURES. 3/4" EXPANSION JOINT MATERIAL SHALL BE PLACED AT THESE JUNCTURES AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF THE PROPOSED PAVEMENT, CURB AND GUTTER, OR SIDEWALK, AND NO ADDDTIONAL COMPENSATION WILL BE ALLOWED.

34. 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 WILL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE FOR CURB AND GUTTER OF THE SIZE AND TYPE SPECIFIED IN THE PLANS.

35. THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO WEIGHTED SAND BAGS ON EACH TYPE II BARRICADE USED. (ONE WEIGHTED SAND BAG ACROSS EACH BOTTOM RAIL.)

36. FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.

37. THE CITY OF URBANA HAS ACQUIRED AN NPDES PERMIT FOR THIS PROJECT FOR EROSION AND SEDIMENT CONTROL. TO SATISFY THE REQUIREMENTS OF THE NPDES PERMIT, THE CONTRACTOR SHALL FURNISH, INSTALL, AND MAINTAIN THE TEMPORARY EROSION CONTROL SYSTEMS AT THE LOCATIONS SHOWN ON THE STORM WATER POLLUTION PREVENTION PLAN AND AS DIRECTED BY THE ENGINEER. ESTIMATED QUANTITIES FOR THE TEMPORARY EROSION CONTROL SYSTEMS HAVE BEEN INCLUDED IN THE PROJECT AS SHOWN ON THE STORM WATER POLLUTION PREVENTION PLAN AND MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER.

38. HORIZONTAL CONTROL TIES ARE SHOWN FOR THE CONTRACTOR TO PHYSICALLY LOCATE MONUMENTATION IN THE FIELD. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN CONTROL POINTS OR TO USE ADDITIONAL TIES AS NECESSARY TO INSURE THAT CONTROL POINTS CAN BE ACCURATELY REPLICATED DURING CONSTRUCTION.

39. THE CITY OF URBANA WILL BE RESPONSIBLE FOR NOTIFYING THE PUBLIC, THE UNIVERSITY OF ILLINOIS, THE UNITED STATES POSTAL SERVICE, THE CHAMPAIGN-URBANA MASS TRANSIT DISTRICT, AND THE EMERGENCY SERVICE AGENCIES OF ALL ROAD CLOSURES AND CHANGES IN THE TRAFFIC CONTROL PLANS. THE CONTRACTOR SHALL NOTIFY THE CITY OF URBANA OF ALL ROAD CLOSURES AND CHANGES IN THE TRAFFIC CONTROL PLANS A MINIMUM OF 48 HOURS IN ADVANCE OF THE WORK.

40. 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 IN ACCORDANCE WITH ARTICLE 602.15 OF THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE DONE AS DIRECTED BY THE ENGINEER AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

41. PARKING METER REMOVAL WILL BE PERFORMED BY THE CITY OF URBANA. THE CONTRACTOR SHALL CONTACT JERRY RABBIT (217-384-2314) FOR REMOVAL OF THE PARKING METERS. THE CONTRACTOR SHALL REMOVE THE PARKING METER POSTS AT THE LOCATIONS SHOWN ON THE PLANS. EXISTING PARKING METER POSTS THAT ARE REMOVED SHALL NOT BE REUSED. THE CONTRACTOR SHALL INSTALL NEW PARKING METER POSTS AT THE LOCATIONS SHOWN ON THE PLANS. THE CITY OF URBANA WILL INSTALL THE NEW PARKING METERS.

42. ALL OPEN TRENCHES OR EXCAVATIONS SHALL BE PROTECTED WITH A SIX FOOT HIGH CHAIN LINK FENCE AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE COST OF THE VARIOUS REMOVAL PAY ITEMS AND NO ADDITONAL COMPENSATION WILL BE ALLOWED.

43. IN SOME AREAS WORK IS TO BE PERFORMED OUTSIDE OF THE RIGHT-OF-WAY AND TEMPORARY CONSTRUCTION EASEMENTS ARE NOT SHOWN. IN THESE AREAS THE ADJACENT PROPERTY IS OWNED BY THE UNIVERSITY OF ILLINOIS. THE CITY OF URBANA AND THE UNIVERSITY OF ILLINOIS HAVE AN AGREEMENT TO ALLOW WORK TO BE PERFORMED ON UNIVERSITY PROPERTY FOR THIS PROJECT. THE CONTRACTOR SHALL USE REASONABLE CARE TO AVOID DISTURBING PORTIONS OF THE UNIVERSITY'S PROPERTY NOT NECESSARY TO THE CONSTRUCTION OPERATIONS. IF, IN THE JUDGMENT OF THE ENGINEER, AREAS ARE DISTURBED UNNECESSARILY, THE CONTRACTOR SHALL RESTORE THESE AREAS AT HIS/HER OWN EXPENSE.

ILLINOIS HIGHWAY STANDARD DRAWINGS

STANDARD NO.	DESCRIPTION
000001-05	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
280001-04	TEMPORARY EROSION CONTROL SYSTEMS
420001-07	PAVEMENT JOINTS
424001-05	CURB RAMPS FOR SIDEWALKS
442101-07	CLASS B PATCHES
602301-02	INLET, TYPE A
602306-02	INLET, TYPE B
602401-02	MANHOLE TYPE A
602601-02	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-03	FRAME AND LIDS, TYPE 1
604036-02	GRATE TYPE 8
604051-03	FRAME AND GRATE, TYPE 11
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB & GUTTER
668001-01	U.S. GEOLOGICAL SURVEY AND NATIONAL GEODETIC SURVEY BENCHMARKS RESETTING METHOD
701006-03	OFF-ROAD OPERATIONS, 2L, 2W, 4.5 m (15') TO 600 mm (24") FROM PAVEMENT EDGE
701301-03	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
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	URBAN LANE CLOSURE, MULTILANE, INTERSECTION
701801-04	LANE CLOSURE, MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
701901-01	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-02	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
729001-01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)
814001-02	HANDHOLES
814006-02	DOUBLE HANDHOLES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCE
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
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
880001-01	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTOR LOOPS

LEGEND

EXISTING		PROPOSED
W	WATER LINE	
G	GAS LINE	
OHE	OVERHEAD ELECTRIC	
UGE	UNDERGROUND ELECTRIC	
UGT	UNDERGROUND TELEPHONE	
CATV	CABLE TELEVISION	
COM	UI COMMUNICATION LINE	
	STEAM TUNNEL	
CHWS	CHILLED WATER SUPPLY LINE	
CHWR	CHILLED WATER RETURN LINE	
RW	RAW WATER LINE	
CA	COMPRESSED AIR LINE	
	CHILLED WATER DRAIN BOX	
	CHILLED WATER AIR VENT VALVE BOX	
TC	CHILLED WATER TRACER CABLE BOX	
	SANITARY SEWER	
	STORM SEWER	
	STORM SEWER WATER MAIN QUALITY	
	INLET OR CATCH BASIN	
	MANHOLE	
	UTILITY WARNING SIGN	
W G	SERVICE BOX SHUTOFF	
	VALVE	
W	WATER MANHOLE	
W	WATER METER	
	FIRE HYDRANT	
G	GAS METER	
GR	GAS REGULATOR	
E	ELECTRIC MANHOLE	
E	ELECTRIC METER	
E	ELECTRIC PEDESTAL	
	ELECTRIC JUNCTION BOX	
	POWER POLE	
	POWER POLE W/LIGHT	
	POWER POLE W/TRANSFORMER	
	ROADWAY STREET LIGHT	
	ORNAMENTAL STREET LIGHT	
	GUY WIRE	
UI	UI COMMUNICATION STRUCTURE	
T	TELEPHONE MANHOLE	
T	TELEPHONE PEDESTAL	
	PHONE BOOTH	

EXISTING		PROPOSED
	MONUMENT	
	IRON PIN/PIPE FOUND	
	RIGHT-OF-WAY MARKER	
	SOIL BORING	
	TRAFFIC SIGNAL CONTROL BOX	
	TRAFFIC SIGNAL POST	
	TRAFFIC SIGNAL MAST ARM	
	PEDESTRIAL PUSH BUTTON POST	
	TRAFFIC SIGNAL HANDHOLE	
	STREET SIGN	
	TRAFFIC SIGN	
	PARKING LOT LIGHT	
	YARD LIGHT	
	MAILBOX	
	PARKING METER	OR
CO	CLEANOUT	
DS	DOWNSPOUT	
	BOLLARD	
	FENCE	
	TREE STUMP	
	BUSH	
	CONIFEROUS TREE	
	DECIDUOUS TREE	

FILE NAME = p:\u0070052\plans\sheets\03-HwyStandard.dgn	DESIGNED - JAJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HIGHWAY STANDARDS AND LEGEND	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
PLOT DATE = 1/12/2009 7:46:04 PM	DRAWN - JRM	REVISED -			7175	07-00456-00-RS	CHAMPAIGN	75 / 3
	CHECKED - RLH	REVISED -				GOODWIN AVENUE	CONTRACT NO. 91392	
	DATE - 01-2009	REVISED -		SCALE : NONE / SHEET NO. 3 OF 75 SHEETS / STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

SUMMARY OF QUANTITIES

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	ROADWAY LIGHTING	TRAFFIC SIGNALS
			SAFETY CODE		2A	1E	1F
			CONSTRUCTION CODE		I000	Y030	Y031
	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	8	8	0	0
*	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	35	35	0	0
*	21000300	GRANULAR EMBANKMENT, SPECIAL	TON	75	75	0	0
	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	100	100	0	0
*	21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	703	703	0	0
*	21101645	TOPSOIL FURNISH AND PLACE, 12"	SQ YD	144	144	0	0
*	25200100	SODDING	SQ YD	36	36	0	0
*	25200200	SUPPLEMENTAL WATERING	UNIT	16	16	0	0
	28000510	INLET FILTERS	EACH	45	45	0	0
	31101200	SUB-BASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	2,072	2,072	0	0
*	35101400	AGGREGATE BASE COURSE, TYPE B	TON	421	421	0	0
*	35300300	PORTLAND CEMENT CONCRETE BASE COURSE 8"	SQ YD	1,097	1,097	0	0
*	40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	25	25	0	0
	40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	2,920	2,920	0	0
	40600300	AGGREGATE (PRIME COAT)	TON	60	60	0	0
	40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	5	5	0	0
	40600845	POLYMERIZED LEVELING BINDER (MACHINE METHOD), N90	TON	260	260	0	0
	40600990	TEMPORARY RAMP	SQ YD	610	610	0	0
	40603240	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	TON	560	560	0	0
	40603545	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	TON	1,660	1,660	0	0
*	40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	120	120	0	0
*	42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	25,968	25,968	0	0
*	42400800	DETECTABLE WARNINGS	SQ FT	870	870	0	0
*	44000100	PAVEMENT REMOVAL	SQ YD	2,271	2,271	0	0
*	44000153	HOT-MIX ASPHALT SURFACE REMOVAL, 1"	SQ YD	14,125	14,125	0	0
*	44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	822	822	0	0
*	44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	2,471	2,471	0	0
*	44000162	HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/4"	SQ YD	4,211	4,211	0	0
	44000300	CURB REMOVAL	FOOT	91	91	0	0
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	2,643	2,643	0	0
	44000600	SIDEWALK REMOVAL	SQ FT	18,480	18,480	0	0
*	44200934	CLASS B PATCHES, TYPE II, 8 INCH	SQ YD	61	61	0	0
*	44200942	CLASS B PATCHES, TYPE III, 8 INCH	SQ YD	16	16	0	0
*	44200944	CLASS B PATCHES, TYPE IV, 8 INCH	SQ YD	105	105	0	0
*	54248515	CONCRETE COLLAR	EACH	29	29	0	0
	550A0040	STORM SEWERS, CLASS A, TYPE 1 10"	FOOT	7	7	0	0

* SEE SPECIAL PROVISIONS

SUMMARY OF QUANTITIES

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	ROADWAY LIGHTING	TRAFFIC SIGNALS
			SAFETY CODE		2A	1E	1F
			CONSTRUCTION CODE		I000	Y030	Y031
	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	194	194	0	0
	550A0330	STORM SEWERS, CLASS A, TYPE 2 10"	FOOT	20	20	0	0
	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	70	70	0	0
	550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	25	25	0	0
	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	8	8	0	0
	550A0660	STORM SEWERS, CLASS A, TYPE 3 15"	FOOT	4	4	0	0
	550A0730	STORM SEWERS, CLASS A, TYPE 3 30"	FOOT	8	8	0	0
*	59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	230	230	0	0
*	60224600	RESTRICTED DEPTH MANHOLES, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	4	4	0	0
*	60225110	RESTRICTED DEPTH MANHOLES, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	2	2	0	0
*	60225910	RESTRICTED DEPTH MANHOLES, 5'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	1	1	0	0
*	60228600	MANHOLES, SPECIAL, WITH TYPE 1 FRAME, CLOSED LID	EACH	1	1	0	0
*	60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	1	1	0	0
*	60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	15	15	0	0
*	60238700	INLETS, TYPE A, WITH SPECIAL FRAME AND GRATE	EACH	1	1	0	0
*	60255500	MANHOLES TO BE ADJUSTED	EACH	10	10	0	0
*	60255600	MANHOLES TO BE ADJUSTED (SPECIAL)	EACH	35	35	0	0
*	60255800	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	2	2	0	0
*	60256700	MANHOLES TO BE ADJUSTED WITH NEW TYPE 11 FRAME AND GRATE	EACH	1	1	0	0
*	60257900	MANHOLES TO BE RECONSTRUCTED	EACH	1	1	0	0
*	60258200	MANHOLES TO BE RECONSTRUCTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1	1	0	0
*	60260050	SANITARY MANHOLES TO BE RECONSTRUCTED	EACH	1	1	0	0
*	60260100	INLETS TO BE ADJUSTED	EACH	2	2	0	0
*	60260400	INLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1	1	0	0
*	60261300	INLETS TO BE ADJUSTED WITH NEW TYPE 11 FRAME AND GRATE	EACH	1	1	0	0
*	60266600	VALVE BOXES TO BE ADJUSTED	EACH	25	25	0	0
*	60266610	VALVE BOXES TO BE ADJUSTED (SPECIAL)	EACH	22	22	0	0
*	60300310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	4	4	0	0
*	60500040	REMOVING MANHOLES	EACH	5	5	0	0
*	60500060	REMOVING INLETS	EACH	12	12	0	0
*	60600505	CONCRETE CURB (SPECIAL)	FOOT	44	44	0	0
*	60600605	CONCRETE CURB, TYPE B	FOOT	219	219	0	0
*	60601005	CONCRETE CURB, TYPE B (SPECIAL)	FOOT	60	60	0	0
*	60604200	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)	FOOT	2,772	2,772	0	0
	67100100	MOBILIZATION	L SUM	1	1	0	0
*	70103700	TRAFFIC CONTROL COMPLETE	L SUM	1	1	0	0

* SEE SPECIAL PROVISIONS

△SPECIALTY ITEMS

FILE NAME = P:\U0070052\Plans\sheets\04-SumQuantities.dgn	DESIGNED - JAJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
PLOT DATE = 1/12/2009 10:07:29 PM	DRAWN - JAJ	REVISED -	
	CHECKED - RLH	REVISED -	
	DATE - 01-2009	REVISED -	

SUMMARY OF QUANTITIES

SCALE : NONE | SHEET NO. 4 OF 75 SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	07-00456-00-RS	CHAMPAIGN	75	4
	GOODWIN AVENUE	CONTRACT NO. 91392		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY (2A, I000)	ROADWAY LIGHTING (1E, Y030)	TRAFFIC SIGNALS (1F, Y031)
	70300100	SHORT-TERM PAVEMENT MARKING	FOOT	1,890	1,890	0	0
	70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	540	540	0	0
	70300560	PAVEMENT MARKING TAPE, TYPE III 12"	FOOT	225	225	0	0
	70300570	PAVEMENT MARKING TAPE, TYPE III 24"	FOOT	225	225	0	0
*	70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	1,485	1,485	0	0
*	72000100	SIGN PANEL - TYPE 1	SQ FT	119	119	0	0
	72000200	SIGN PANEL - TYPE 2	SQ FT	58	0	0	58
*	72900200	METAL POST - TYPE B	FOOT	84	84	0	0
*	73000100	WOOD SIGN SUPPORT	FOOT	168	168	0	0
△	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	356	356	0	0
△	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	10,729	10,729	0	0
△	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	7,799	7,799	0	0
△	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	4,858	4,858	0	0
△	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	227	227	0	0
△*	80400105	ELECTRIC SERVICE INSTALLATION, SPECIAL	EACH	1	0	1	0
△*	80501000	SERVICE INSTALLATION (SPECIAL)	EACH	1	0	0	1
△*	81012300	CONDUIT IN TRENCH, 1" DIA., PVC	FOOT	226	0	0	226
△*	81012400	CONDUIT IN TRENCH, 1 1/4" DIA., PVC	FOOT	395	0	353	42
△*	81012500	CONDUIT IN TRENCH, 1 1/2" DIA., PVC	FOOT	193	0	0	193
△*	81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	333	0	110	223
△*	81012700	CONDUIT IN TRENCH, 2 1/2" DIA., PVC	FOOT	107	0	0	107
△*	81012800	CONDUIT IN TRENCH, 3" DIA., PVC	FOOT	72	0	72	0
△*	81013000	CONDUIT IN TRENCH, 4" DIA., PVC	FOOT	38	0	0	38
△*	81021570	CONDUIT, AUGERED 3" DIA., PVC	FOOT	80	0	0	80
△*	81021590	CONDUIT, AUGERED 4" DIA., PVC	FOOT	60	0	0	60
△*	81021600	CONDUIT, AUGERED 5" DIA., PVC	FOOT	95	0	0	95
△*	81028050	CONDUIT, BORED AND PULLED, COILABLE NON-METALLIC CONDUIT, 1 1/2"	FOOT	4,270	0	4,000	270
△*	81028060	CONDUIT, BORED AND PULLED, COILABLE NON-METALLIC CONDUIT, 2"	FOOT	2,707	0	2,707	0
△*	81028080	CONDUIT, BORED AND PULLED, COILABLE NON-METALLIC CONDUIT, 3"	FOOT	60	0	60	0
△*	81306100	JUNCTION BOX (SPECIAL)	EACH	70	0	70	0
△*	81306500	REMOVE EXISTING JUNCTION BOX	EACH	23	0	23	0
△*	81400115	HANDHOLE TO BE ADJUSTED	EACH	2	0	0	2
△	81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	4	0	0	4
△	81400720	DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1	0	0	1
△*	81400730	HANDHOLE, COMPOSITE CONCRETE	EACH	10	0	10	0
△*	81500120	GULFBOX JUNCTION, COMPOSITE CONCRETE	EACH	11	0	0	11

* SEE SPECIAL PROVISIONS

SUMMARY OF QUANTITIES

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY (2A, I000)	ROADWAY LIGHTING (1E, Y030)	TRAFFIC SIGNALS (1F, Y031)
△*	81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	21,609	0	18,519	3,090
△*	81702120	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	10,925	0	10,925	0
△*	81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	22,637	0	22,637	0
△	81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	173	0	91	82
△	81900302	TRENCH AND BACKFILL WITH SCREENINGS OR SAND	FOOT	1,100	0	353	747
△*	83600400	POLE FOUNDATION, METAL	EACH	61	0	61	0
△*	84200500	REMOVAL OF EXISTING LIGHTING UNIT, SALVAGE	EACH	10	0	10	0
△*	84200600	REMOVAL OF EXISTING LIGHTING UNIT, NO SALVAGE	EACH	30	0	30	0
△*	84200700	LIGHTING FOUNDATION REMOVAL	EACH	30	0	30	0
△*	84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	2	0	2	0
△*	85700205	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1	0	0	1
△*	86200200	UNINTERRUPTABLE POWER SUPPLY, STANDARD	EACH	1	0	0	1
△*	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,920	0	0	1,920
△*	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,400	0	0	1,400
△*	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,200	0	0	1,200
△*	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2,640	0	0	2,640
△*	87301515	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 3 PAIR	FOOT	2,750	0	0	2,750
△*	87500600	TRAFFIC SIGNAL POST, 10 FT.	EACH	2	0	0	2
△*	87501000	TRAFFIC SIGNAL POST, 14 FT.	EACH	2	0	0	2
△*	87501200	TRAFFIC SIGNAL POST, 16 FT.	EACH	3	0	0	3
△*	87600100	PEDESTRIAN PUSH-BUTTON POST, TYPE I	EACH	5	0	0	5
△*	87702850	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 24 FT.	EACH	2	0	0	2
△*	87702880	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 30 FT.	EACH	1	0	0	1
△*	87702910	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT.	EACH	1	0	0	1
△*	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	21	0	0	21
△*	87800200	CONCRETE FOUNDATION, TYPE D	FOOT	4	0	0	4
△*	87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	47	0	0	47
△	87900200	DRILL EXISTING HANDHOLE	EACH	2	0	0	2
△*	88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4	0	0	4
△*	88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	4	0	0	4
△*	88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	4	0	0	4
△*	88102810	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED	EACH	8	0	0	8
△	88200100	TRAFFIC SIGNAL BACKPLATE	EACH	8	0	0	8
△*	88600100	DETECTOR LOOP, TYPE I	FOOT	1,070	0	0	1,070
△*	88700200	LIGHT DETECTOR	EACH	2	0	0	2
△*	88700300	LIGHT DETECTOR AMPLIFIER	EACH	1	0	0	1

* SEE SPECIAL PROVISIONS
△ SPECIALTY ITEMS

SUMMARY OF QUANTITIES

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	2A ROADWAY	1E ROADWAY LIGHTING	1F TRAFFIC SIGNALS
		SAFETY CODE			2A	1E	1F
		CONSTRUCTION CODE			I000	Y030	Y031
Δ *	88800100	PEDESTRIAN PUSH-BUTTON	EACH	2	0	0	2
Δ	89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1	0	0	1
Δ *	89500100	RELOCATE EXISTING SIGNAL HEAD	EACH	2	0	0	2
Δ *	89500200	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	2	0	0	2
Δ *	89502205	MODIFY EXISTING CONTROLLER (SPECIAL)	EACH	1	0	0	1
Δ *	89502380	REMOVE EXISTING HANDHOLE	EACH	4	0	0	4
Δ *	89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	9	0	0	9
*	X0301430	PRECAST CONCRETE PARKING BLOCK	EACH	5	5	0	0
Δ *	X0321558	SANITARY MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	2	2	0	0
*	X0321566	MULCH, SPECIAL	SQ YD	1,544	1,544	0	0
*	X0321905	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 12"	FOOT	307	307	0	0
*	X0321906	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 15"	FOOT	12	12	0	0
*	X0321908	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 15"	FOOT	4	4	0	0
Δ *	X0321973	MODIFY EXISTING SERVICE INSTALLATION	EACH	1	0	0	1
Δ *	X0322464	ABANDON AND FILL EXISTING SANITARY MANHOLE	EACH	1	1	0	0
*	XX007744	CONCRETE ENCASEMENTS	EACH	1	1	0	0
*	X0322748	BICYCLE LANE MARKING	EACH	44	44	0	0
*	X0322795	REMOVE AND RELOCATE EXISTING MONUMENT	EACH	1	1	0	0
*	X0322923	SEGMENTAL CONCRETE BLOCK WALL	SQ FT	155	155	0	0
Δ *	X0323200	SANITARY SEWER, DUCTILE IRON, 12"	FOOT	30	30	0	0
Δ *	X0325815	REMOVE EXISTING CABLE	FOOT	1,900	0	1,900	0
Δ *	X0962500	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	L SUM	1	0	0	1
Δ *	XX007866	LIGHTING CONTROLLER, LOCATION NO. 1	L SUM	1	0	1	0
Δ *	X8430100	REMOVE EXISTING CONDUIT ATTACHED TO STRUCTURE	FOOT	40	0	40	0
Δ *	X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	1,330	0	0	1,330
Δ *	X8730250	ELECTRIC CABLE IN CONDUIT, NO. 20 3C, TWISTED, SHIELDED	FOOT	970	0	0	970
Δ *	X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8	0	0	8
Δ *	X8760250	VIBROTACTILE FEATURE	EACH	8	0	0	8
Δ *	X8850106	INDUCTIVE LOOP DETECTOR, RACK MOUNTED	EACH	16	0	0	16
*	XX000880	SEEDING, CLASS 1, SPECIAL	SQ YD	1,544	1,544	0	0
Δ *	XX002184	PHOTOELECTRIC CONTROL	EACH	1	0	0	1
Δ *	XX002895	SANITARY MANHOLES TO BE RECONSTRUCTED WITH NEW FRAME AND LID	EACH	1	1	0	0
*	XX003313	REMOVE AND REINSTALL BRICK PAVER	SQ FT	1,060	1,060	0	0
Δ *	XX003581	ELECTRIC CABLE IN CONDUIT, SERVICE NO. 6 1C	FOOT	660	0	0	660
Δ *	81100605	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., PVC COATED GALVANIZED STEEL	FOOT	100	0	100	0
*	XX004688	BRICK PAVER SIDEWALK	SQ FT	220	220	0	0

* SEE SPECIAL PROVISIONS

SUMMARY OF QUANTITIES

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	2A ROADWAY	1E ROADWAY LIGHTING	1F TRAFFIC SIGNALS
		SAFETY CODE			2A	1E	1F
		CONSTRUCTION CODE			I000	Y030	Y031
*	XX004735	RESTRICTED DEPTH INLET TYPE B, TYPE 1 FRAME, CLOSED LID	EACH	1	1	0	0
Δ *	XX006163	REMOVE ELECTRIC CABLE FROM CONDUIT (SPECIAL)	L SUM	1	0	0	1
*	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	0	0
*	Z0026700	FURNISHING AND SETTING STEEL POSTS	EACH	36	36	0	0
*	Z0036700	PARKING METER POSTS TO BE REMOVED	EACH	53	53	0	0
*	Z0038700	PERMANENT BENCH MARKS	EACH	1	1	0	0
*	Z0042300	PORTLAND CEMENT CONCRETE SIDEWALK CURB	FOOT	60	60	0	0
*	Z0051500	REMOVING AND RESETTING STREET SIGNS	EACH	14	14	0	0
*	XX007863	RESTRICTED DEPTH INLET TYPE B, TYPE 11 FRAME AND GRATE	EACH	5	5	0	0
Δ *	XX007864	SANITARY SEWER, DUCTILE IRON, 8"	FOOT	6	6	0	0
*	XX007865	STORM SEWERS, TYPE 3, WATER MAIN QUALITY PIPE, 12"	FOOT	6	6	0	0

* SEE SPECIAL PROVISIONS
Δ SPECIALTY ITEMS

FILE NAME = P:\U0070052\Plans\sheets\04-SumQuantities.dgn	DESIGNED - JAJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
PLOT DATE = 1/23/2009 4:40:47 PM	DRAWN - JAJ	REVISED -	
	CHECKED - RLH	REVISED -	
	DATE - 01-2009	REVISED -	

SUMMARY OF QUANTITIES

SCALE : NONE | SHEET NO. 6 OF 75 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	07-00456-00-RS	CHAMPAIGN	75	6
	GOODWIN AVENUE	CONTRACT NO. 91392		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PROPOSED TYPICAL SECTION NOTES

1. SEE THE SITE IMPROVEMENTS PLANS, INTERSECTION DETAILS, AND HORIZONTAL ALIGNMENT LAYOUT AND CONTROL SHEETS FOR LOCATIONS OF EDGES OF PAVEMENTS, CURBS AND GUTTERS, SIDEWALKS, RIGHT-OF-WAY LINES, AND TEMPORARY CONSTRUCTION EASEMENTS.
2. THE EXISTING PAVEMENT TYPE AND THICKNESS REPRESENTS THE BEST INFORMATION AVAILABLE. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PAVEMENT REMOVAL ITEMS DUE TO VARIATIONS IN THE EXISTING PAVEMENT TYPE, THICKNESS, OR AMOUNT OF REINFORCEMENT. THE ADJUSTMENT OF QUANTITIES AS SPECIFIED IN ARTICLE 440.07 OF THE STANDARD SPECIFICATIONS SHALL NOT APPLY.
3. EARTH EXCAVATION WILL NOT BE MEASURED FOR PAYMENT BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE SPECIFIC CONSTRUCTION PAY ITEM REQUIRING THE EXCAVATION, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
4. THE FINISHED EARTHWORK SHALL HAVE VEGETATIVE SUSTAINING SOIL COVERING THE TOP 6" OF AREAS TO BE SEEDED. THE FURNISHED TOPSOIL SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS OR BE APPROVED BY THE ENGINEER. THE VEGETATIVE SUSTAINING SOIL REQUIRED WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR TOPSOIL FURNISH AND PLACE, 6". 12 INCHES OF TOPSOIL SHALL BE FURNISHED AT THE LOCATIONS SHOWN ON THE PLANS. THE TOPSOIL REQUIRED FOR THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR TOPSOIL FURNISH AND PLACE, 12".
5. ALL EXPOSED EARTH AREAS SHALL BE SEEDED AND MULCHED IN ACCORDANCE WITH SECTIONS 250 AND 251 OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS. SOD SHALL BE PLACED AT THE LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER IN ACCORDANCE WITH SECTION 252 OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS.
6. THE P.C. CONCRETE BASE COURSE SHALL NOT BE POURED MONOLITHIC WITH THE COMBINATION CONCRETE CURB AND GUTTER EXCEPT AT THE STUB LOCATIONS SHOWN ON THE PLANS. A 1-FOOT STUB SHALL BE CONSTRUCTED PERPENDICULAR TO THE SAWED EDGE OF EXISTING PAVEMENT. THE COST OF ADDITIONAL GUTTER FLAG WIDTH WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR PORTLAND CEMENT CONCRETE BASE COURSE 8". TIE BARS BETWEEN THE BASE COURSE AND THE CURB AND GUTTER SHALL BE REQUIRED IN ACCORDANCE OF WITH STANDARD 606001.
7. THE COMBINATION CONCRETE CURB AND GUTTER ADJACENT TO THE NEW P.C. CONCRETE BASE COURSE AND HOT-MIX ASPHALT OVERLAY SHALL BE IN ACCORDANCE WITH STANDARD 606001 EXCEPT THAT IT SHALL BE CONSTRUCTED TO THE FULL THICKNESS OF THE PAVEMENT. THE COST OF THE CURB AND GUTTER, INCLUDING THE ADDITIONAL THICKNESS, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL).
8. THE COMBINATION CONCRETE CURB AND GUTTER SHALL BE CONSTRUCTED WITH A CURB HEIGHT OF 4 INCHES AT THE LOCATIONS SHOWN ON THE PLANS. THE COST OF CONSTRUCTING THE COMBINATION CONCRETE CURB AND GUTTER WITH A 4 INCH CURB HEIGHT SHALL BE INCLUDED IN THE COST OF THE COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.12 (SPECIAL).
9. THE COMBINATION CONCRETE CURB AND GUTTER SHALL BE CONSTRUCTED WITH VARYING GUTTER FLAG SLOPES AT THE LOCATIONS SHOWN ON THE PLANS. THE COST OF CONSTRUCTING THE COMBINATION CONCRETE CURB AND GUTTER WITH VARYING GUTTER FLAG SLOPES SHALL BE INCLUDED IN THE COST OF THE COMBINATION CONCRETE CURB AND GUTTER B-6.12 (SPECIAL).
10. SAWED TRANSVERSE CONTRACTION JOINTS SHALL BE PLACED AT 15 FOOT CENTERS IN THE COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL) AND THE JOINTS SHALL BE SEALED. THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH ARTICLE 606.07 OF THE STANDARD SPECIFICATIONS.
11. ALL SAWED JOINTS IN THE COMBINATION CONCRETE CURB AND GUTTER SHALL BE SEALED WITH A JOINT SEALER MEETING THE REQUIREMENTS OF ARTICLE 606.02 OF THE STANDARD SPECIFICATIONS.
12. IN THE AREAS OF CROSS SLOPE MODIFICATION SHOWN ON PLANS, THE PROPOSED HMA SURFACING THICKNESS WILL EXCEED THE TYPICAL OVERLAY THICKNESS FOR THAT LOCATION. THE ADDITIONAL HMA THICKNESS REQUIRED SHALL BE ACHIEVED WITH SURFACE COURSE OR LEVELING BINDER AS DIRECTED BY THE ENGINEER.
13. HIGH-EARLY STRENGTH CONCRETE SHALL BE USED AT THE LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. SEE THE SITE IMPROVEMENTS PLANS AND SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.
14. THE SUBGRADE SHALL BE PREPARED AND COMPACTED IN ACCORDANCE WITH SECTION 301 OF THE STANDARD SPECIFICATIONS AND THE IDOT SUBGRADE STABILITY MANUAL. IF THE REQUIRED DENSITY AND STABILITY CANNOT BE ATTAINED IT WILL BE NECESSARY TO UNDERCUT AND REMOVE EARTH AND ORGANIC MATERIAL BELOW THE PROPOSED PAVEMENT SYSTEM TO A DEPTH OF 12" AS DIRECTED BY THE ENGINEER. ALL UNSTABLE, UNSUITABLE, OR ORGANIC MATERIAL SHALL BE DISPOSED OF AS DIRECTED BY THE ENGINEER. MATERIALS THAT ARE UNDERCUT AND REMOVED BELOW THE PROPOSED PAVEMENT SYSTEM WHERE THE REQUIRED DENSITY AND STABILITY CANNOT BE ATTAINED SHALL BE MEASURED AND PAID FOR AS REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL. SEE THE "SUBGRADE REMOVAL AND REPLACEMENT DETAIL" ON THE MISCELLANEOUS DETAIL SHEETS FOR ADDITIONAL INFORMATION.
15. EPOXY COATING SHALL NOT BE REQUIRED ON DOWEL BARS AND TIE BARS.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS TABLE

MIXTURE USE:	POLYMERIZED SURFACE	POLYMERIZED LEVELING BINDER	POLYMERIZED BINDER	INCIDENTAL SURFACE
AC/PG	SBS PG 70-22	SBS PG 70-22	SBS PG 70-22	PG 64-22
RAP % (MAX)	10	10	10	10
DESIGN AIR VOIDS	4.0% @ NDES = 90	4.0% @ NDES = 90	4.0% @ NDES = 90	4.0% @ NDES = 90
MIXTURE COMPOSITION (GRADATION)	IL 9.5	IL 9.5	IL 19.0	IL 9.5
FRICTION AGGREGATE	MIXTURE D	MIXTURE C	N/A	MIXTURE C

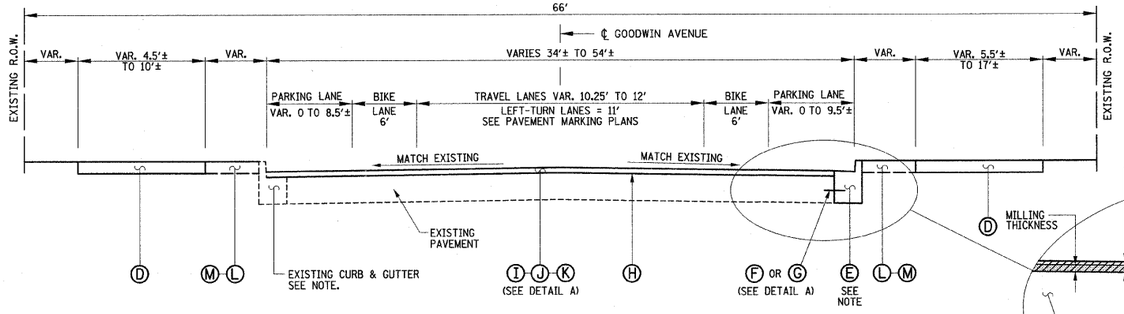
NOTE 1 : IF AN ANTI-STRIPPING ADDITIVE IS REQUIRED FOR ANY HOT-MIX ASPHALT MIXTURE, THE COST OF THE ADDITIVE WILL NOT BE PAID FOR SEPARATELY AS DESCRIBED IN ARTICLE 406.14 OF THE STANDARD SPECIFICATIONS. IF THE CONTRACTOR ANTICIPATES THAT AN ADDITIVE WILL BE NEEDED, THE COST SHOULD BE INCLUDED IN THE UNIT BID PRICE.

PROPOSED TYPICAL SECTION KEY

- (A) SUBBASE GRANULAR MATERIAL, TYPE B 4"
- (B) AGGREGATE BASE COURSE, TYPE B
- (C) PORTLAND CEMENT CONCRETE BASE COURSE 8"
- (D) PORTLAND CEMENT CONCRETE SIDEWALK 6"
- (E) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)
- (F) LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 X 30" TIE BARS AT 24" CENTERS FORMED IN PLACE (STD. 420001)
- (G) LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 X 24" TIE BARS AT 24" CENTERS DRILLED AND GROUTED IN PLACE (STD. 420001) (PREFORMED HOLES WITH GROUTED TIE BARS WILL NOT BE ALLOWED)

PROPOSED TYPICAL SECTION KEY

- (H) BITUMINOUS MATERIALS (PRIME COAT) - 0.05 TO 0.10 GAL / SQ YD
- (I) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90
- (J) POLYMERIZED LEVELING BINDER (MACHINE METHOD), N90
- (K) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90
- (L) TOPSOIL 6"
- (M) SEEDING AND MULCH

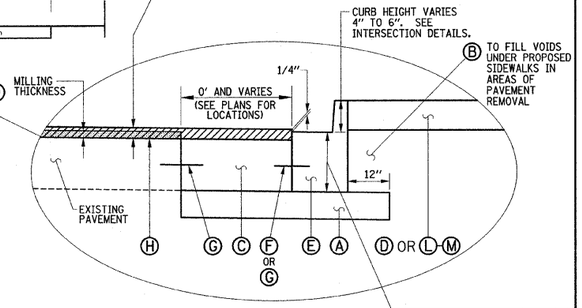


GOODWIN AVENUE PROPOSED TYPICAL SECTION

NOTE: SEE THE SITE IMPROVEMENTS PLANS FOR LOCATIONS OF THE PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL). THE EXISTING CURB AND GUTTER WILL REMAIN AT THE LOCATIONS SHOWN ON THE REMOVAL/RELOCATIONS PLANS.

LOCATION (STA. TO STA.)	MILLING THICKNESS	OVERLAY THICKNESS	(I)	(J)	(K)
9+83 TO 33+34	1"	1-1/4"	1-1/4"		
33+34 TO 35+80	3-1/4"	3-1/2"	1-1/4"		2-1/4"
35+80 TO 36+35	1"	1-1/4"	1-1/4"		
36+35 TO 41+11.5	3-1/4"	3-1/2"	1-1/4"		2-1/4"
41+11.5 TO 41+42 *	2-1/2"	2-3/4"	1-1/4"	1-1/2"	
41+42 TO 43+83	1-1/2"	2"	1-1/4"	3/4"	

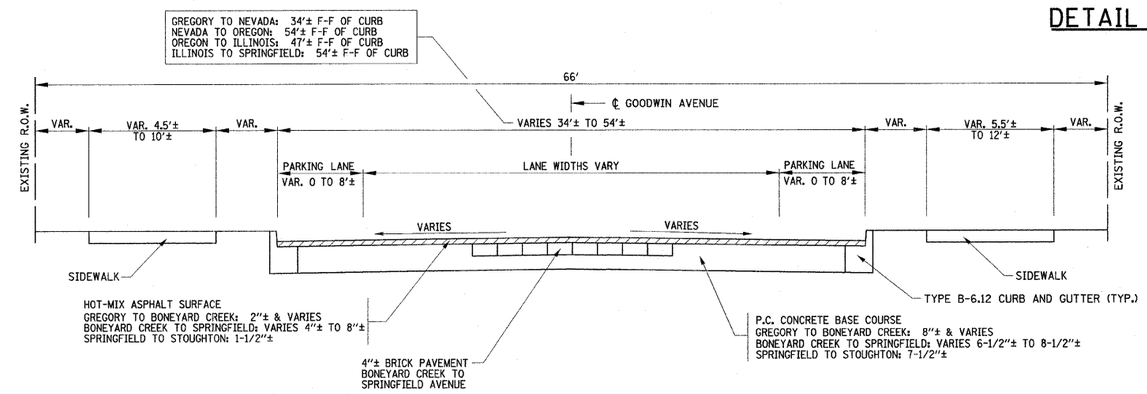
* INCLUDES SPRINGFIELD AVENUE



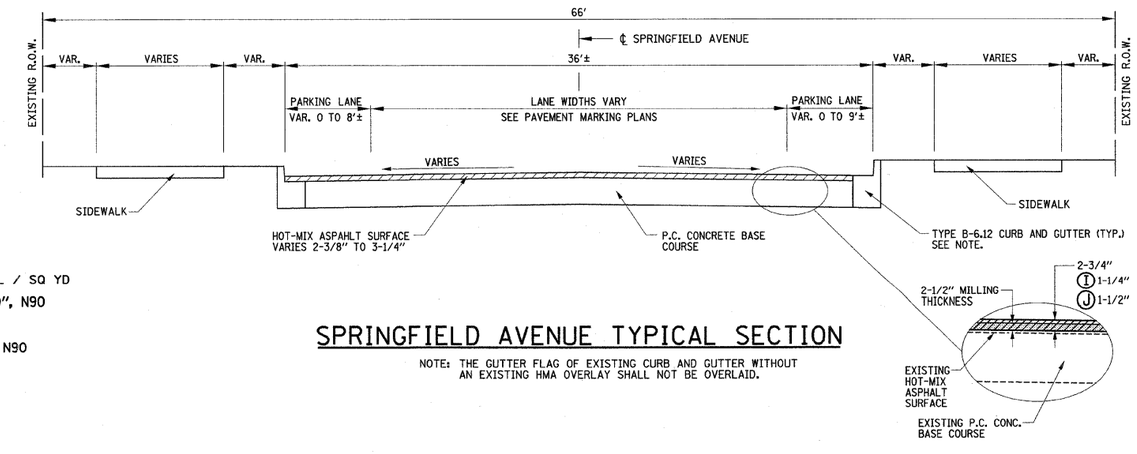
DETAIL A

LOCATION (STA. TO STA.)	GUTTER FLAG THICKNESS
9+83 TO 33+34	9"
33+34 TO 35+80	11-1/4"
35+80 TO 36+35	9"
36+35 TO 41+11.5	11-1/4"
41+11.5 TO 41+42 *	10-1/2"
41+42 TO 43+83	9-3/4"

* INCLUDES SPRINGFIELD AVENUE



GOODWIN AVENUE EXISTING TYPICAL SECTION



SPRINGFIELD AVENUE TYPICAL SECTION

NOTE: THE GUTTER FLAG OF EXISTING CURB AND GUTTER WITHOUT AN EXISTING HMA OVERLAY SHALL NOT BE OVERLAID.

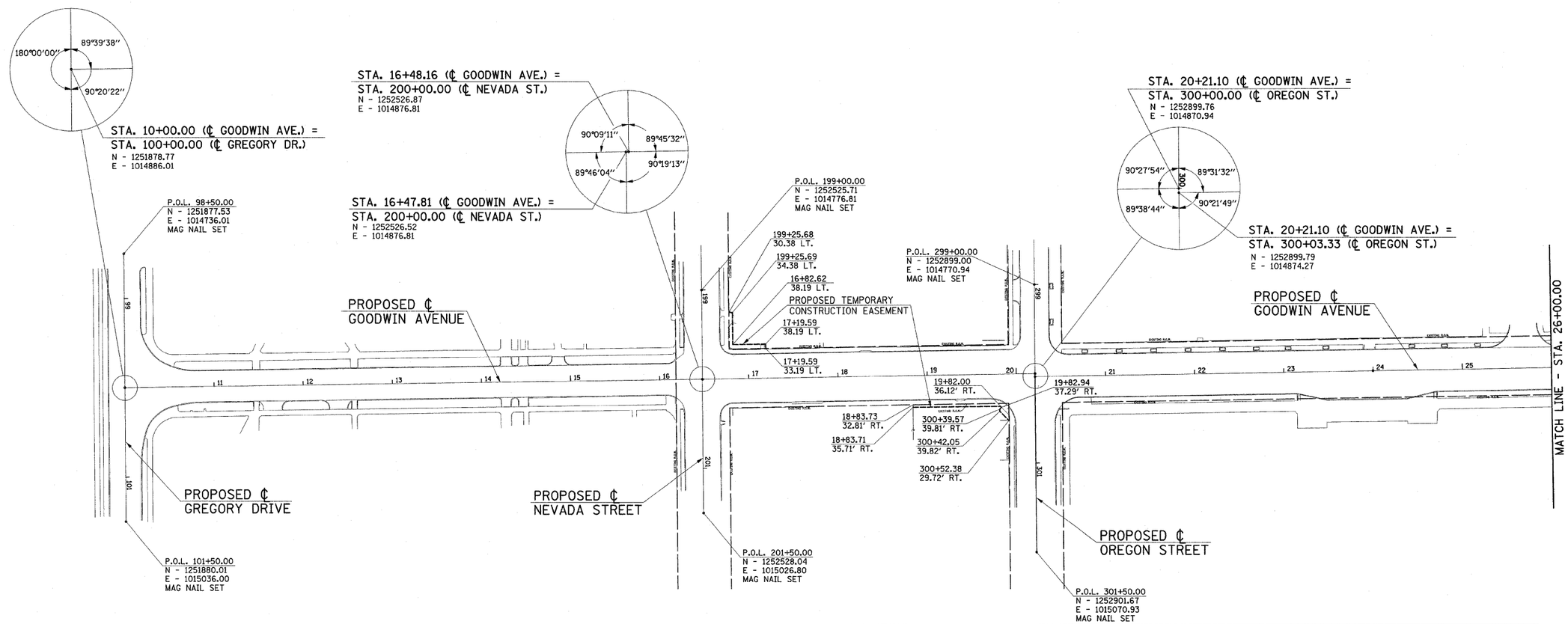
FILE NAME = p:\u0070052\plans\sheets\07-TypSections.dgn	DESIGNED - JAJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS	F.A.U. RTE. 7175	SECTION 07-00456-00-RS	COUNTY CHAMPAIGN	TOTAL SHEETS 75 / SHEET NO. 7
PLOT DATE = 1/12/2009 7:46:05 PM	DRAWN - DLM	REVISED -				GOODWIN AVENUE	CONTRACT NO. 91392	
	CHECKED - RLH	REVISED -						
	DATE - 01-2009	REVISED -		SCALE : NONE / SHEET NO. 7 OF 75 SHEETS / STA. / TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

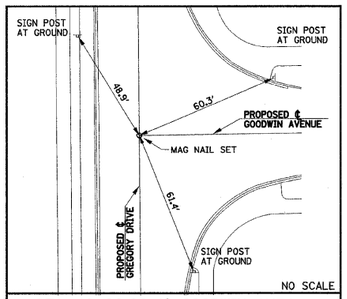
CONTRACT NO. 91392

N

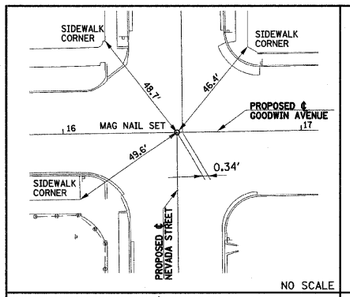
0′ 60′ 120′

SCALE: 1″ = 60′





STA. 10+00.00 (℄ GOODWIN AVE.) =
STA. 100+00.00 (℄ GREGORY DR.)



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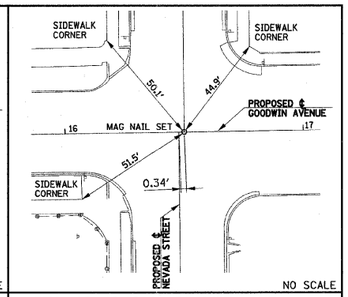
STA. 200+00.00 AH. (℄ NEVADA ST.)



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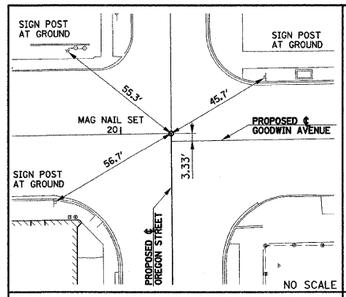
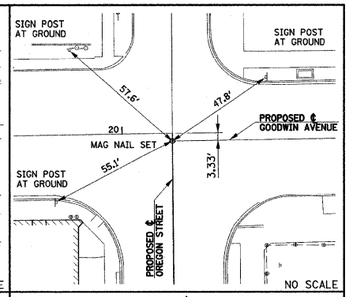
STA. 200+00.00 BK. (℄ NEVADA ST.)



STA. 20+21.10 BK. (℄ GOODWIN AVE.) =
STA. 300+00.00 (℄ OREGON ST.)



STA. 20+21.10 AH. (℄ GOODWIN AVE.) =
STA. 300+03.33 (℄ OREGON ST.)

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	CHECKED - JRM	REVISED -	
	DATE - 01-2009	REVISED -	

HORIZONTAL ALIGNMENT LAYOUT AND CONTROL

SCALE : 1″=60′ | SHEET NO. 8 OF 75 SHEETS | STA. 10+00 TO STA. 26+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	07-00456-00-RS	CHAMPAIGN	75	8
	GOODWIN AVENUE	CONTRACT NO. 91392		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

U0070052

CONTRACT NO. 91392

N

0' 60' 120'
SCALE: 1" = 60'

STA. 27+69.78 (℄ GOODWIN AVE.) =
STA. 400+00.00 (℄ ILLINOIS ST.)
N - 1253648.36
E - 1014859.27

STA. 27+69.78 (℄ GOODWIN AVE.) =
STA. 400+03.10 (℄ ILLINOIS ST.)
N - 1253648.38
E - 1014862.37

90°22'39" 89°43'53" 90°16'07" 89°37'21"

STA. 41+27.32 (℄ GOODWIN AVE.) =
STA. 599+98.42 (℄ SPRINGFIELD AVE.)
N - 1255005.70
E - 1014836.42

STA. 41+27.32 (℄ GOODWIN AVE.) =
STA. 600+00.00 (℄ SPRINGFIELD AVE.)
N - 1255005.72
E - 1014837.99

90°17'05" 89°37'46" 90°22'14" 89°40'06"

STA. 33+02.62 (℄ GOODWIN AVE.) =
STA. 500+00.00 (℄ GREEN ST.)
N - 1254181.14
E - 1014851.82

89°45'40" 90°04'49" 90°14'20" 89°55'11"

P.O.L. 596+50.00
N - 1255001.61
E - 1014488.02
MAG NAIL SET

P.O.L. 499+00.00
N - 1254179.32
E - 1014751.82
MAG NAIL SET

PROPOSED TEMPORARY
CONSTRUCTION EASEMENT

499+36.14
40.69 RT.
499+38.14
40.69 RT.
499+36.14
54.19 RT.
32+51.69
55.68 LT.
32+31.28
33.64 LT.
32+22.78
33.63 LT.

599+50.06
32.94 RT.

LAND USE LICENSE
(TYP. ALL QUADRANTS
THIS INTERSECTION)

40+67.49
33.13 LT.

599+25.48
33.13 LT.
41+72.67
46.69 LT.
41+90.53
31.65 LT.

PROPOSED ℄
GOODWIN AVENUE

PROPOSED PERMANENT EASEMENT

MATCH LINE - STA. 26+00.00

40+54.06
32.86 RT.

600+73.09
33.06 RT.

P.O.L. 44+00.00
N - 1255278.34
E - 1014831.44

41+72.91
46.31 RT.
42+14.00
34.41 RT.
600+59.46
32.94 LT.

PROPOSED ℄
ILLINOIS STREET

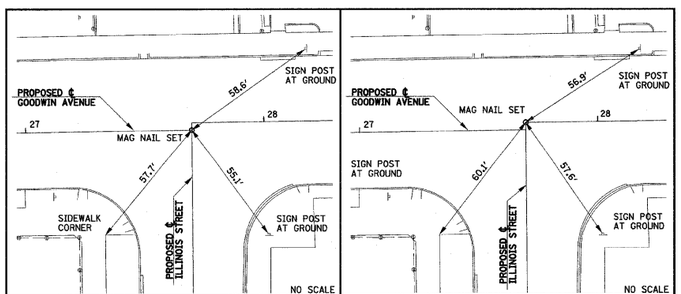
P.O.L. 401+50.00
N - 1253649.75
E - 1015009.27
MAG NAIL SET

P.O.L. 501+00.00
N - 1254182.95
E - 1014951.79
MAG NAIL SET

PROPOSED ℄
GREEN STREET

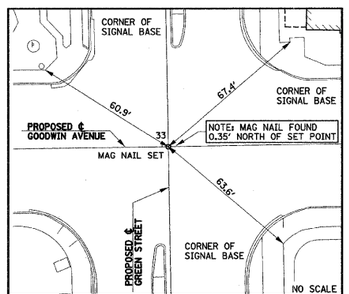
PROPOSED ℄
SPRINGFIELD AVENUE

P.O.L. 603+00.00
N - 1255009.01
E - 1015137.98
MAG NAIL SET



STA. 27+69.78 BK. (℄ GOODWIN AVE.) =
STA. 400+03.10 (℄ ILLINOIS ST.)

STA. 27+69.78 AH. (℄ GOODWIN AVE.) =
STA. 400+00.00 (℄ ILLINOIS ST.)



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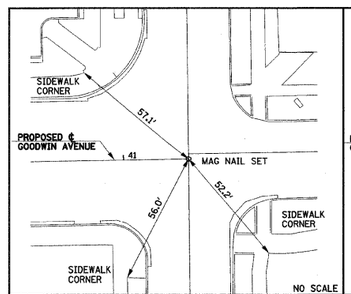

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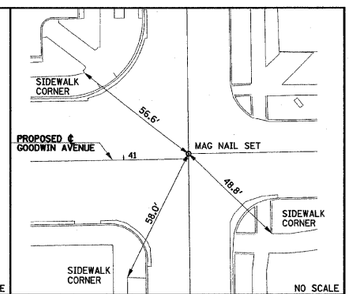
STA. 600+00.00 (℄ SPRINGFIELD AVE.)



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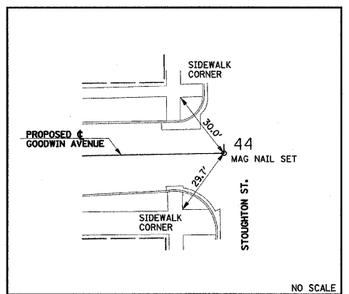

STA. 41+27.32 AH. (℄ GOODWIN AVE.) =
STA. 599+98.42 (℄ SPRINGFIELD AVE.)

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PLOT DATE = 1/12/2009 7:46:09 PM	DRAWN - DLM	REVISED -	
	CHECKED - JRM	REVISED -	
	DATE - 01-2009	REVISED -	

HORIZONTAL ALIGNMENT LAYOUT AND CONTROL

SCALE : 1"=60' | SHEET NO. 9 OF 75 SHEETS | STA. 26+00 TO STA. 43+83

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	07-00456-00-RS	CHAMPAIGN	75	9
	GOODWIN AVENUE	CONTRACT NO. 91392		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

U0070052

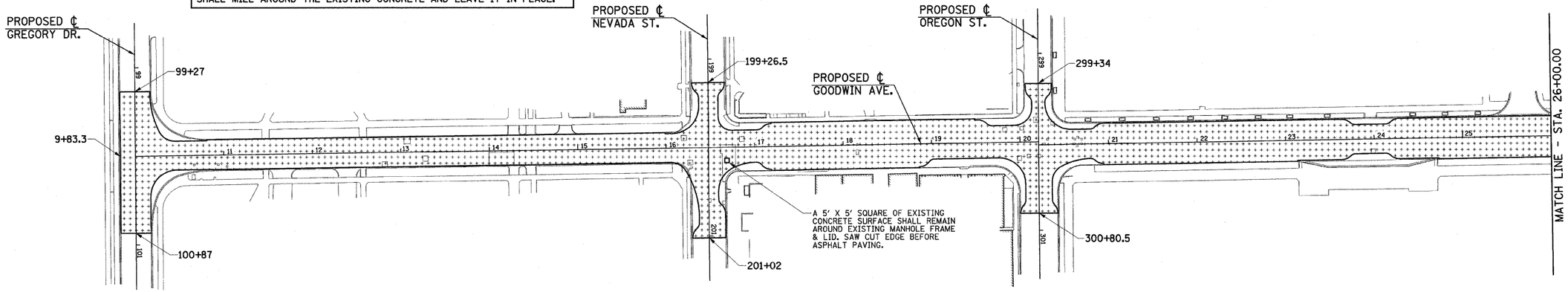
CONTRACT NO. 91392

THE PAVEMENT MILLING AREAS INCLUDE THE AREAS OF INCIDENTAL HMA SURFACING.

EXISTING STRUCTURES WITHIN THE MILLING LIMITS THAT ARE NOT SHOWN TO BE ADJUSTED ON THE REMOVAL/RELOCATION PLANS HAVE EXISTING CONCRETE AROUND THE FRAMES THAT IS TO REMAIN. THE CONTRACTOR SHALL MILL AROUND THE EXISTING CONCRETE AND LEAVE IT IN PLACE.

N

0' 60' 120'
SCALE: 1" = 60'



HOT-MIX ASPHALT SURFACE REMOVAL, 1"
(44000153)

STATION	TO STATION	SQ YD
9+83.3 LT. & RT.	33+34 LT. & RT.	13800
35+80 LT. & RT.	36+35 LT. & RT.	325
	SHEET TOTAL	14125

HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
(44000159)

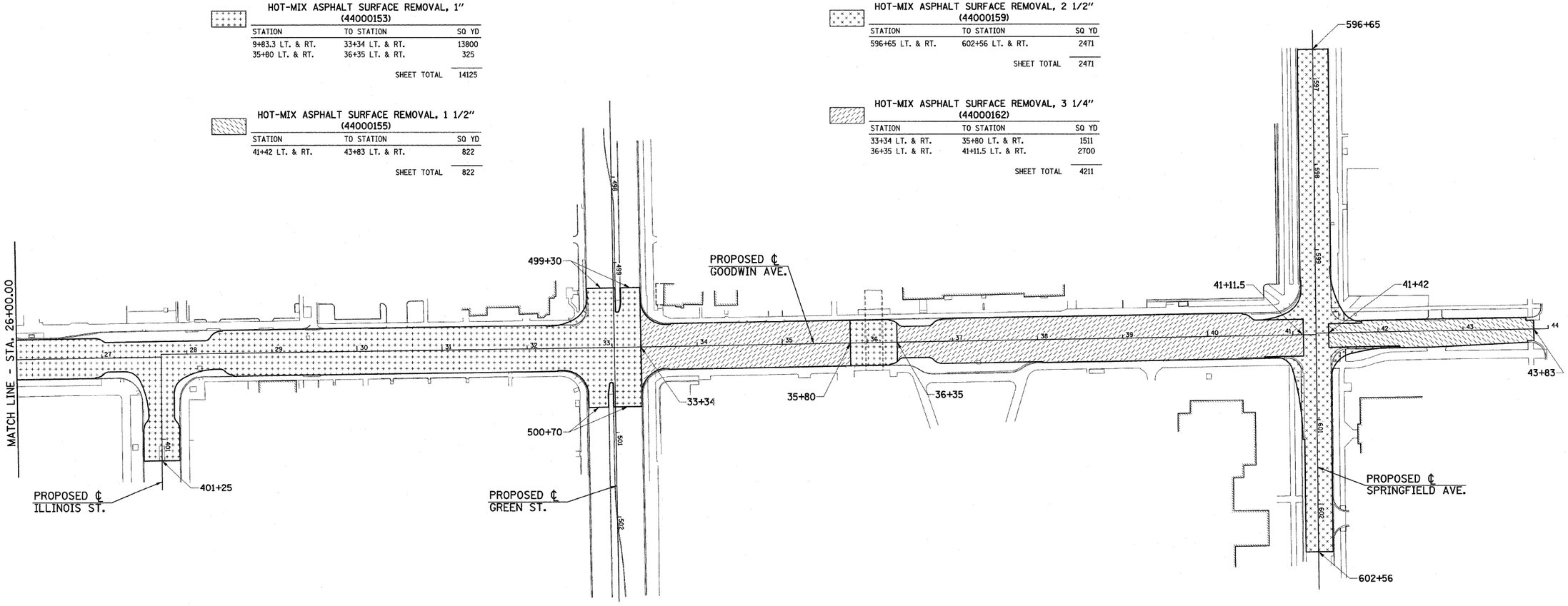
STATION	TO STATION	SQ YD
596+65 LT. & RT.	602+56 LT. & RT.	2471
	SHEET TOTAL	2471

HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
(44000155)

STATION	TO STATION	SQ YD
41+42 LT. & RT.	43+83 LT. & RT.	822
	SHEET TOTAL	822

HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/4"
(44000162)

STATION	TO STATION	SQ YD
33+34 LT. & RT.	35+80 LT. & RT.	1511
36+35 LT. & RT.	41+11.5 LT. & RT.	2700
	SHEET TOTAL	4211



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HOT-MIX ASPHALT SURFACE REMOVAL PLAN

SCALE : 1"=60' | SHEET NO. 10 OF 75 SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	07-00456-00-RS	CHAMPAIGN	75	10
	GOODWIN AVENUE	CONTRACT NO. 91392		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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CONTRACT NO. 91392

REMOVAL NOTES

1. EXISTING MANHOLES AND VALVE BOXES WITHIN THE LIMITS OF MILLING AND RESURFACING THAT ARE NOT SHOWN TO BE ADJUSTED HAVE EXISTING CONCRETE AROUND THE FRAMES THAT IS TO REMAIN. THE CONTRACTOR SHALL MILL AROUND THE EXISTING CONCRETE AND LEAVE IT IN PLACE.
2. THE CONCRETE AROUND EXISTING VALVE BOXES TO BE ADJUSTED THAT ARE PART OF THE CHILLED WATER SYSTEM SHALL BE STAMPED WITH THE LEGEND SHOWN ON THE PLANS. THE LETTER SIZE FOR THE PROPOSED LEGEND SHALL MATCH THE EXISTING LETTER SIZE.
3. THE CONTRACTOR SHALL SALVAGE THE BRICK PAVERS THAT ARE REMOVED AND USE THEM FOR THE CONSTRUCTION OF THE PROPOSED BRICK PAVER SIDEWALK AT THE LOCATIONS SHOWN ON THE PLANS AND AS APPROVED BY THE ENGINEER. THE PROPOSED LOCATIONS AND THE EXISTING LOCATIONS FOR THE BRICK PAVER SIDEWALK MAY NOT BE THE SAME. SEE THE SITE IMPROVEMENT PLANS FOR ADDITIONAL INFORMATION. THIS WORK SHALL BE INCLUDED IN THE COST OF REMOVE AND REINSTALL BRICK PAVER.
4. BRICK PAVERS THAT ARE REMOVED FOR THE REMOVAL OR INSTALLATION OF PARKING METER POSTS, LIGHT POLES, OR JUNCTION BOXES SHALL BE REINSTALLED AT THEIR ORIGINAL LOCATIONS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
5. THE CONTRACTOR SHALL MAKE FULL DEPTH SAW CUTS AT ALL PAVEMENT, SIDEWALK, CURB, AND CURB AND GUTTER REMOVAL LIMITS.
6. THE REMOVAL LIMITS MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER.
7. THE SIDEWALK REMOVAL LIMITS FOR PARKING METER POST REMOVAL SHALL BE TWO FEET ALONG THE LENGTH OF THE PANEL AS SHOWN ON THE MISCELLANEOUS DETAILS OR AS OTHERWISE DIRECTED BY THE ENGINEER. THE BRICK PAVER REMOVAL LIMITS FOR PARKING METER POST REMOVAL OR INSTALLATION SHALL BE TWO FEET WIDE AND TWO FEET LONG OR AS OTHERWISE DIRECTED BY THE ENGINEER. THE SIDEWALK AND BRICK PAVER REMOVAL LIMITS FOR LIGHT POLE AND JUNCTION BOX REMOVAL SHALL BE FIVE FEET LONG FOR THE WIDTH OF THE SIDEWALK OR PAVERS OR AS OTHERWISE DIRECTED BY THE ENGINEER. THE SIDEWALK AND BRICK PAVER REMOVAL LIMITS FOR LIGHT POLE AND JUNCTION BOX INSTALLATION SHALL BE TEN FEET LONG FOR THE WIDTH OF THE SIDEWALK OR PAVERS OR AS OTHERWISE DIRECTED BY THE ENGINEER. THE REMOVAL LIMITS SHALL BE REDUCED AS DIRECTED BY THE ENGINEER TO MINIMIZE THE AMOUNT OF REMOVAL AND SUBSEQUENT REPLACEMENT REQUIRED FOR THIS WORK.
8. SUB-BASE GRANULAR MATERIAL, TYPE B 4", SHALL BE INSTALLED BELOW THE CLASS B PATCHES. SEE THE SITE IMPROVEMENTS PLANS FOR ADDITIONAL INFORMATION.

N

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

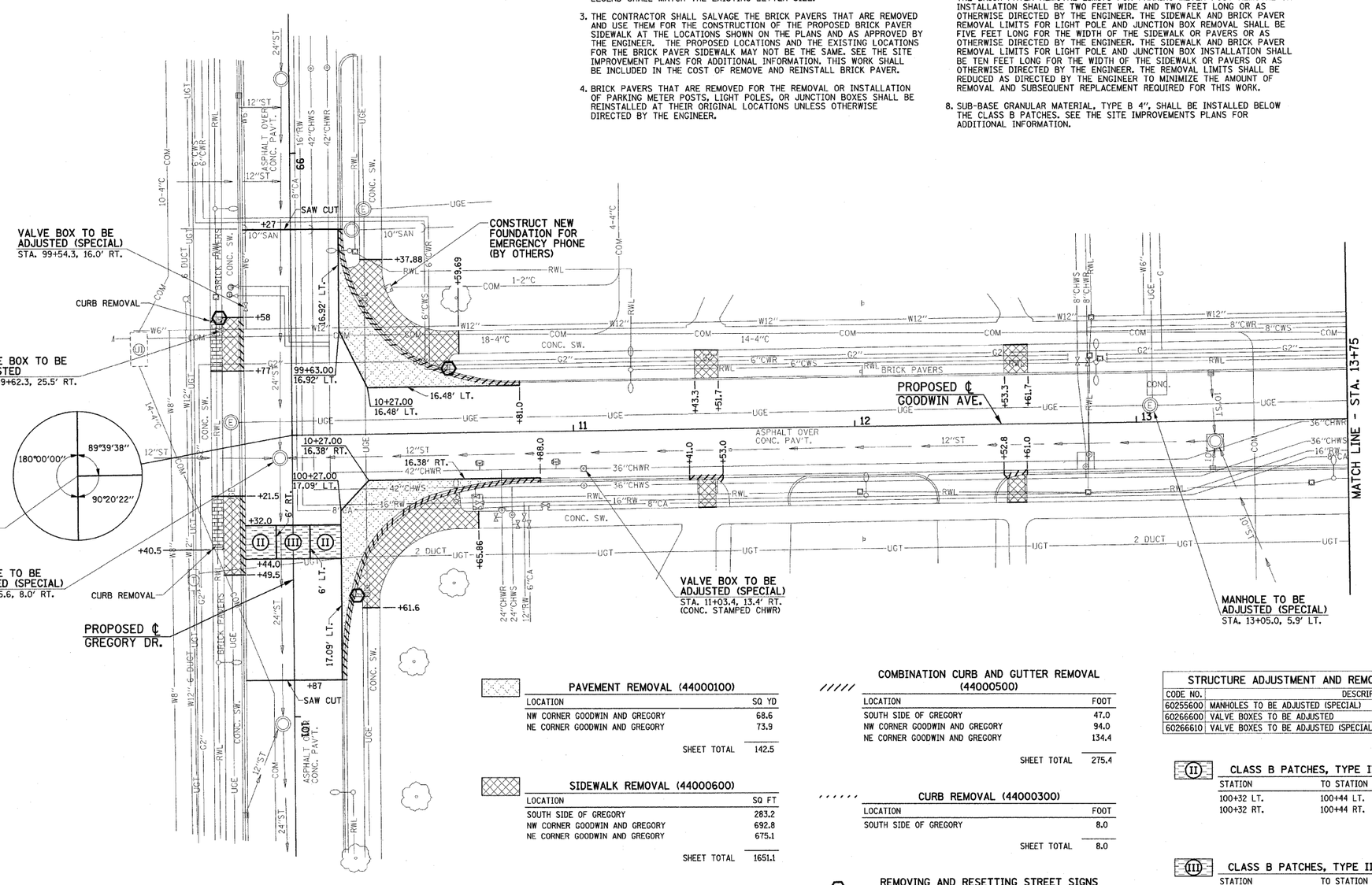
SEE THE TRAFFIC SIGNAL PLANS FOR TRAFFIC SIGNAL REMOVAL ITEMS.

SEE THE ROADWAY LIGHTING PLANS FOR ROADWAY LIGHTING REMOVAL ITEMS.

SEE DRAINAGE PLANS FOR ADDITIONAL INFORMATION.

THE LIMITS OF SIDEWALK REMOVAL AND BRICK PAVER REMOVAL ARE NOT SHOWN FOR THE REMOVAL AND/OR INSTALLATION OF LIGHT POLES, JUNCTION BOXES, OR PARKING METERS. QUANTITIES FOR THIS WORK ARE INCLUDED ON THE PLANS.

THE STRUCTURE INFORMATION SHOWN IN ITALICS IS ALSO SHOWN ON THE DRAINAGE PLANS. THE SCHEDULE OF QUANTITIES FOR THESE ITEMS IS SHOWN ON THE REMOVAL PLANS.



PAVEMENT REMOVAL (44000100)

LOCATION	SQ YD
NW CORNER GOODWIN AND GREGORY	68.6
NE CORNER GOODWIN AND GREGORY	73.9
SHEET TOTAL	142.5

SIDEWALK REMOVAL (44000600)

LOCATION	SQ FT
SOUTH SIDE OF GREGORY	283.2
NW CORNER GOODWIN AND GREGORY	692.8
NE CORNER GOODWIN AND GREGORY	675.1
SHEET TOTAL	1651.1

REMOVE AND REINSTALL BRICK PAVER (XX003313)

LOCATION	SQ FT
SOUTH SIDE OF GREGORY	142.8
ROADWAY LIGHTING	75.0
SHEET TOTAL	217.8

COMBINATION CURB AND GUTTER REMOVAL (44000500)

LOCATION	FOOT
SOUTH SIDE OF GREGORY	47.0
NW CORNER GOODWIN AND GREGORY	94.0
NE CORNER GOODWIN AND GREGORY	134.4
SHEET TOTAL	275.4

CURB REMOVAL (44000300)

LOCATION	FOOT
SOUTH SIDE OF GREGORY	8.0
SHEET TOTAL	8.0

REMOVING AND RESETTING STREET SIGNS (Z0051500)

LOCATION	EACH
STA. 99+58 RT.	1
STA. 100+57 LT.	1
STA. 10+56 LT.	1
SHEET TOTAL	3

STRUCTURE ADJUSTMENT AND REMOVAL PAY ITEMS - 10+00 TO 13+75

CODE NO.	DESCRIPTION	UNIT	QUAN.
60255600	MANHOLES TO BE ADJUSTED (SPECIAL)	EACH	2
60266600	VALVE BOXES TO BE ADJUSTED	EACH	1
60266610	VALVE BOXES TO BE ADJUSTED (SPECIAL)	EACH	2

(II) CLASS B PATCHES, TYPE II, 8" (44200934)

STATION	TO STATION	SQ YD
100+32 LT.	100+44 LT.	14.8
100+32 RT.	100+44 RT.	14.6
SHEET TOTAL		29.4

(III) CLASS B PATCHES, TYPE III, 8" (44200942)

STATION	TO STATION	SQ YD
100+32 LT. & RT.	100+44 LT. & RT.	16.0
SHEET TOTAL		16.0

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVALS/RELOCATIONS PLAN

SCALE : 1"=20' | SHEET NO. 11 OF 75 SHEETS | STA. 10+00 TO STA. 13+75

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	07-00456-00-RS	CHAMPAIGN	75	11
	GOODWIN AVENUE	CONTRACT NO. 91392		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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CONTRACT NO. 91392

LEGEND

Ⓡ - STRUCTURE TO BE REMOVED

SCALE: 1" = 20'

SEE THE TRAFFIC SIGNAL PLANS FOR TRAFFIC SIGNAL REMOVAL ITEMS.

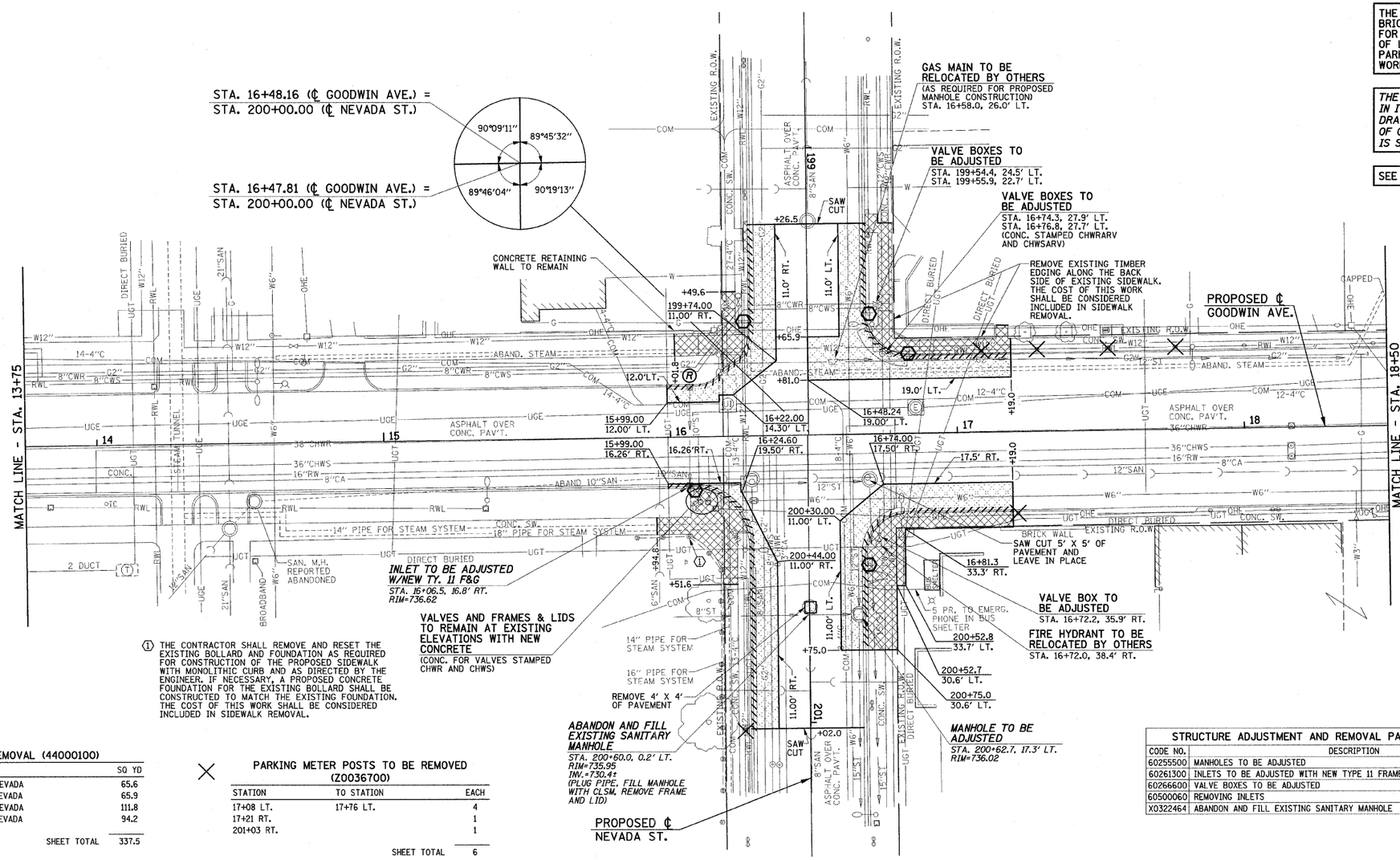
SEE THE ROADWAY LIGHTING PLANS FOR ROADWAY LIGHTING REMOVAL ITEMS.

SEE DRAINAGE PLANS FOR ADDITIONAL INFORMATION.

THE LIMITS OF SIDEWALK REMOVAL AND BRICK PAVER REMOVAL ARE NOT SHOWN FOR THE REMOVAL AND/OR INSTALLATION OF LIGHT POLES, JUNCTION BOXES, OR PARKING METERS. QUANTITIES FOR THIS WORK ARE INCLUDED ON THE PLANS.

THE STRUCTURE INFORMATION SHOWN IN ITALICS IS ALSO SHOWN ON THE DRAINAGE PLANS. THE SCHEDULE OF QUANTITIES FOR THESE ITEMS IS SHOWN ON THE REMOVAL PLANS.

SEE SHEET 11 FOR REMOVAL NOTES



① THE CONTRACTOR SHALL REMOVE AND RESET THE EXISTING BOLLARD AND FOUNDATION AS REQUIRED FOR CONSTRUCTION OF THE PROPOSED SIDEWALK WITH MONOLITHIC CURB AND AS DIRECTED BY THE ENGINEER. IF NECESSARY, A PROPOSED CONCRETE FOUNDATION FOR THE EXISTING BOLLARD SHALL BE CONSTRUCTED TO MATCH THE EXISTING FOUNDATION. THE COST OF THIS WORK SHALL BE CONSIDERED INCLUDED IN SIDEWALK REMOVAL.

PAVEMENT REMOVAL (44000100)

LOCATION	SQ YD
SW CORNER GOODWIN AND NEVADA	65.6
SE CORNER GOODWIN AND NEVADA	65.9
NW CORNER GOODWIN AND NEVADA	111.8
NE CORNER GOODWIN AND NEVADA	94.2
SHEET TOTAL	337.5

PARKING METER POSTS TO BE REMOVED (Z0036700)

STATION	TO STATION	EACH
17+08 LT.	17+76 LT.	4
17+21 RT.		1
201+03 RT.		1
SHEET TOTAL		6

SIDEWALK REMOVAL (44000600)

LOCATION	SQ FT
SW CORNER GOODWIN AND NEVADA	301.9
SE CORNER GOODWIN AND NEVADA	460.6
NW CORNER GOODWIN AND NEVADA	493.4
NE CORNER GOODWIN AND NEVADA	725.8
ROADWAY LIGHTING	185.0
PARKING METER POSTS	40.0
SHEET TOTAL	2206.7

COMBINATION CURB AND GUTTER REMOVAL (44000500)

LOCATION	FOOT
SW CORNER GOODWIN AND NEVADA	76.5
SE CORNER GOODWIN AND NEVADA	105.5
NW CORNER GOODWIN AND NEVADA	90.8
NE CORNER GOODWIN AND NEVADA	93.1
SHEET TOTAL	365.9

REMOVING AND RESETTING STREET SIGNS (Z0051500)

LOCATION	EACH
STA. 16+08 RT.	1
STA. 16+83 LT.	1
STA. 199+58 LT.	1
STA. 199+60 RT.	1
STA. 200+45 LT.	1
SHEET TOTAL	5

STRUCTURE ADJUSTMENT AND REMOVAL PAY ITEMS - 13+75 TO 18+50

CODE NO.	DESCRIPTION	UNIT	QUAN.
60255500	MANHOLES TO BE ADJUSTED	EACH	1
60261300	INLETS TO BE ADJUSTED WITH NEW TYPE 11 FRAME AND GRATE	EACH	1
60266600	VALVE BOXES TO BE ADJUSTED	EACH	5
60500060	REMOVING INLETS	EACH	1
X0322464	ABANDON AND FILL EXISTING SANITARY MANHOLE	EACH	1

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVALS/RELOCATIONS PLAN

SCALE : 1"=20' | SHEET NO. 12 OF 75 SHEETS | STA. 13+75 TO STA. 18+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	07-00456-00-RS	CHAMPAIGN	75	12
	GOODWIN AVENUE	CONTRACT NO. 91392		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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CONTRACT NO. 91392

SEE THE TRAFFIC SIGNAL PLANS FOR TRAFFIC SIGNAL REMOVAL ITEMS.

SEE THE ROADWAY LIGHTING PLANS FOR ROADWAY LIGHTING REMOVAL ITEMS.

SEE DRAINAGE PLANS FOR ADDITIONAL INFORMATION.

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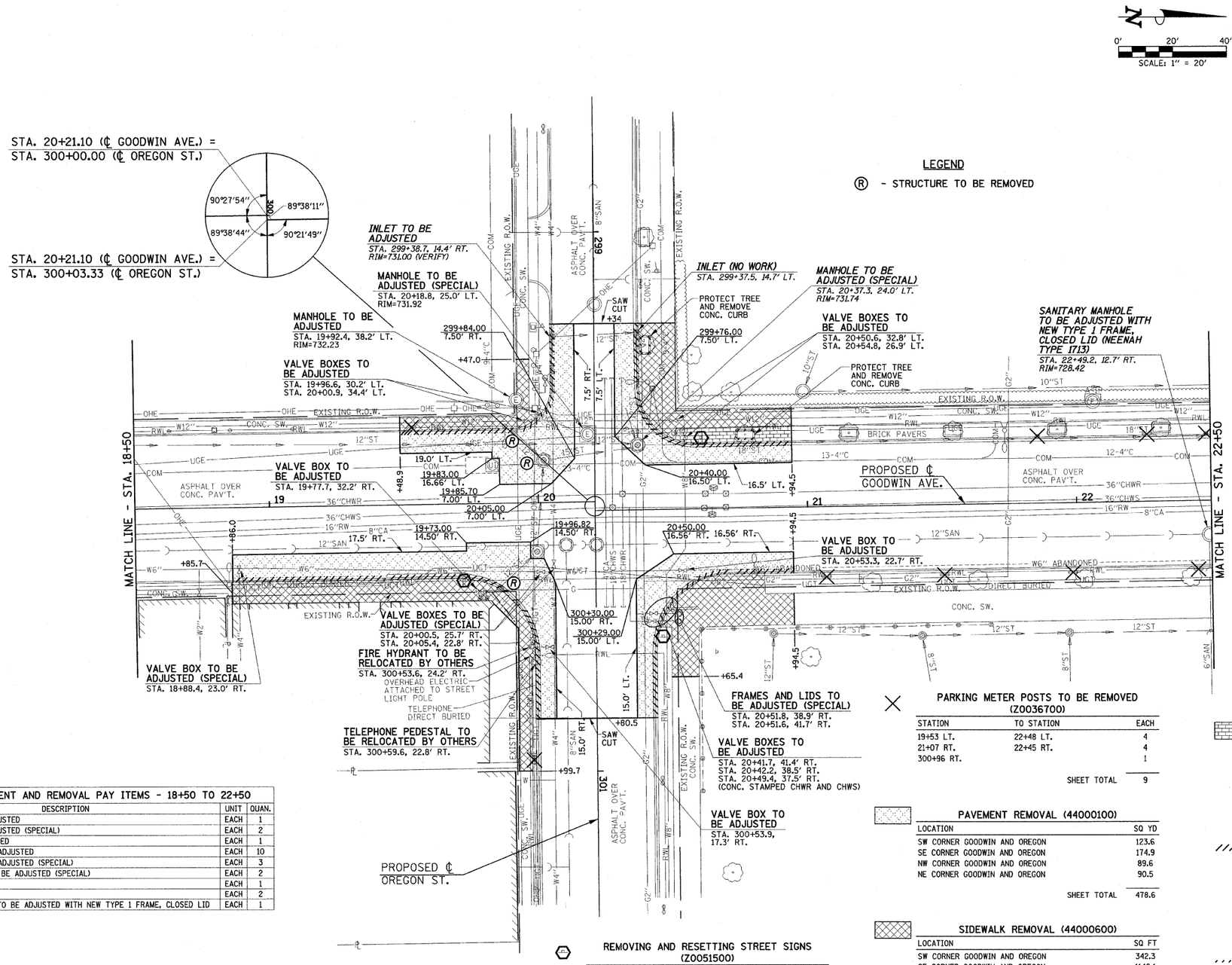
SEE SHEET 11 FOR REMOVAL NOTES



STRUCTURE ADJUSTMENT AND REMOVAL PAY ITEMS - 18+50 TO 22+50

CODE NO.	DESCRIPTION	UNIT	QUAN.
60255500	MANHOLES TO BE ADJUSTED	EACH	1
60255600	MANHOLES TO BE ADJUSTED (SPECIAL)	EACH	2
60260100	INLETS TO BE ADJUSTED	EACH	1
60266600	VALVE BOXES TO BE ADJUSTED	EACH	10
60266610	VALVE BOXES TO BE ADJUSTED (SPECIAL)	EACH	3
60300310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	2
60500040	REMOVING MANHOLES	EACH	1
60500060	REMOVING INLETS	EACH	2
X0321558	SANITARY MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1

REMOVING AND RESETTING STREET SIGNS (Z0051500)

LOCATION	EACH
STA. 19+72 RT.	1
STA. 20+61 LT.	1
STA. 300+50 RT.	1
SHEET TOTAL	3

PARKING METER POSTS TO BE REMOVED (Z0036700)

STATION	TO STATION	EACH
19+53 LT.	22+48 LT.	4
21+07 RT.	22+45 RT.	4
300+96 RT.		1
SHEET TOTAL		9

PAVEMENT REMOVAL (44000100)

LOCATION	SQ YD
SW CORNER GOODWIN AND OREGON	123.6
SE CORNER GOODWIN AND OREGON	174.9
NW CORNER GOODWIN AND OREGON	89.6
NE CORNER GOODWIN AND OREGON	90.5
SHEET TOTAL	478.6

SIDEWALK REMOVAL (44000600)

LOCATION	SQ FT
SW CORNER GOODWIN AND OREGON	342.3
SE CORNER GOODWIN AND OREGON	1146.1
NW CORNER GOODWIN AND OREGON	800.0
NE CORNER GOODWIN AND OREGON	970.4
ROADWAY LIGHTING	105.0
SHEET TOTAL	3363.8

REMOVE AND REINSTALL BRICK PAVER (XX003313)

LOCATION	SQ FT
NW CORNER GOODWIN AND OREGON	206.6
ROADWAY LIGHTING	75.0
PARKING METER POSTS	24.0
SHEET TOTAL	305.6

COMBINATION CURB AND GUTTER REMOVAL (44000500)

LOCATION	FOOT
SW CORNER GOODWIN AND OREGON	88.9
SE CORNER GOODWIN AND OREGON	154.0
NW CORNER GOODWIN AND OREGON	93.4
NE CORNER GOODWIN AND OREGON	93.2
SHEET TOTAL	429.5

CURB REMOVAL (44000300)

LOCATION	FOOT
NW CORNER GOODWIN AND OREGON	44.0
SHEET TOTAL	44.0

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVALS/RELOCATIONS PLAN

SCALE : 1"=20' | SHEET NO. 13 OF 75 SHEETS | STA. 18+50 TO STA. 22+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	07-00456-00-RS	CHAMPAIGN	75	13
	GOODWIN AVENUE	CONTRACT NO. 91392		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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SEE THE TRAFFIC SIGNAL PLANS FOR TRAFFIC SIGNAL REMOVAL ITEMS.

SEE THE ROADWAY LIGHTING PLANS FOR ROADWAY LIGHTING REMOVAL ITEMS.

SEE DRAINAGE PLANS FOR ADDITIONAL INFORMATION.

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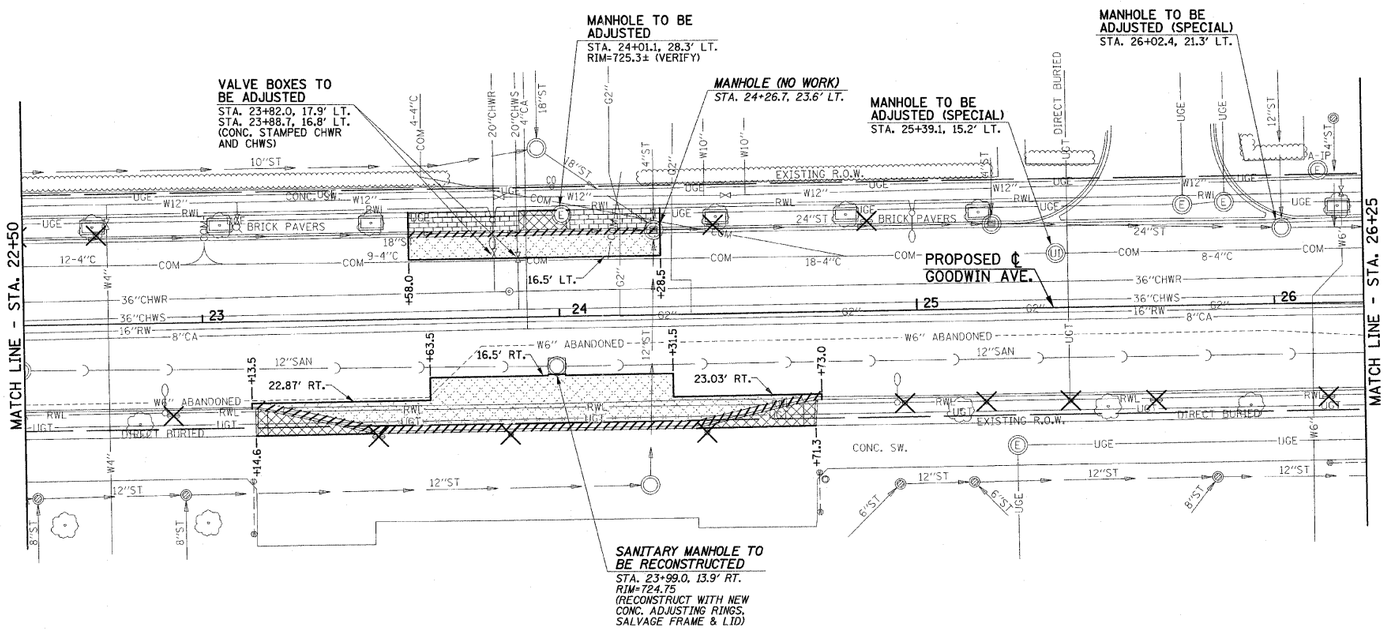
SEE SHEET 11 FOR REMOVAL NOTES



REMOVE AND REINSTALL BRICK PAVER (XX003313)

STATION	TO STATION	SQ FT
23+58 LT.	24+28.5 LT.	303.4
ROADWAY LIGHTING		175.0
PARKING METER POSTS		20.0
	SHEET TOTAL	498.4

COMBINATION CURB AND GUTTER REMOVAL (44000500)

STATION	TO STATION	FOOT
23+58 LT.	24+28.5 LT.	70.5
23+13.5 RT.	24+73 RT.	161.1
	SHEET TOTAL	231.6

PARKING METER POSTS TO BE REMOVED (Z0036700)

STATION	TO STATION	EACH
22+71 LT.	24+86 LT.	3
22+92 RT.	26+15 RT.	9
	SHEET TOTAL	12

PAVEMENT REMOVAL (44000100)

STATION	TO STATION	SQ YD
23+58 LT.	24+28.5 LT.	49.4
23+13.5 RT.	24+73 RT.	144.0
	SHEET TOTAL	193.4

SIDEWALK REMOVAL (44000600)

STATION	TO STATION	SQ FT
23+89.1 LT.	24+03.3 LT.	75.6
23+14.6 RT.	24+71.3 RT.	253.8
PARKING METER POSTS		30.0
	SHEET TOTAL	359.4

STRUCTURE ADJUSTMENT AND REMOVAL PAY ITEMS - 22+50 TO 26+25

CODE NO.	DESCRIPTION	UNIT	QUAN.
60255500	MANHOLES TO BE ADJUSTED	EACH	1
60255600	MANHOLES TO BE ADJUSTED (SPECIAL)	EACH	2
60260050	SANITARY MANHOLES TO BE RECONSTRUCTED	EACH	1
60266600	VALVE BOXES TO BE ADJUSTED	EACH	2

CONTRACT NO. 91392

SEE THE TRAFFIC SIGNAL PLANS FOR TRAFFIC SIGNAL REMOVAL ITEMS.

SEE THE ROADWAY LIGHTING PLANS FOR ROADWAY LIGHTING REMOVAL ITEMS.

SEE DRAINAGE PLANS FOR ADDITIONAL INFORMATION.

SEE SHEET 11 FOR REMOVAL NOTES

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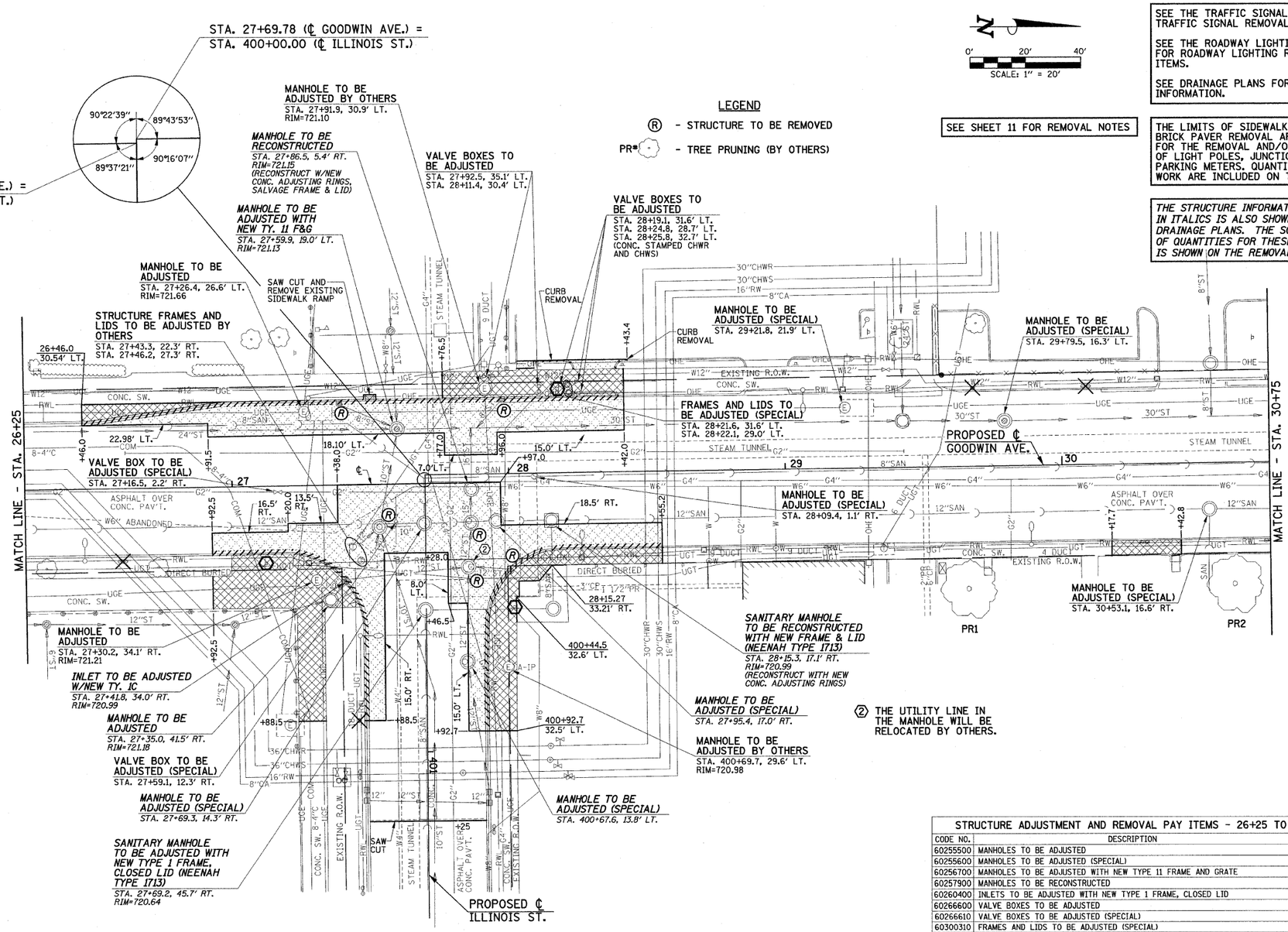
N

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

LEGEND

(R) - STRUCTURE TO BE REMOVED

PR* - TREE PRUNING (BY OTHERS)



REMOVING AND RESETTING STREET SIGNS (Z0051500)

LOCATION	EACH
STA. 27+12 RT.	1
STA. 28+18 LT.	1
STA. 400+48 RT.	1
SHEET TOTAL	3

PARKING METER POSTS TO BE REMOVED (Z0036700)

STATION	TO STATION	EACH
29+68 LT.	30+09 LT.	2
26+60 RT.		1
400+88 RT.		1
SHEET TOTAL		4

PAVEMENT REMOVAL (44000100)

STATION	TO STATION	SQ YD
26+46 LT.	28+42 LT.	222.2
SE CORNER AND NE CORNER GOODWIN AND ILLINOIS		388.0
SHEET TOTAL		610.2

SIDEWALK REMOVAL (44000600)

STATION	TO STATION	SQ FT
26+46 LT.	28+42 LT.	792.3
SE CORNER GOODWIN AND ILLINOIS		1261.9
NE CORNER GOODWIN AND ILLINOIS		989.2
ROADWAY LIGHTING		425.0
PARKING METER POSTS		20.0
SHEET TOTAL		3488.4

REMOVE AND REINSTALL BRICK PAVER (XX003313)

LOCATION	SQ FT
PARKING METER POSTS	4.0
SHEET TOTAL	4.0

COMBINATION CURB AND GUTTER REMOVAL (44000500)

STATION	TO STATION	FOOT
26+46 LT.	28+42 LT.	196.0
SE CORNER GOODWIN AND ILLINOIS		106.4
NE CORNER GOODWIN AND ILLINOIS		117.4
SHEET TOTAL		419.8

CURB REMOVAL (44000300)

STATION	TO STATION	FOOT
28+09.6 LT.	28+43.4 LT.	23.5
SHEET TOTAL		23.5

STRUCTURE ADJUSTMENT AND REMOVAL PAY ITEMS - 26+25 TO 30+75

CODE NO.	DESCRIPTION	UNIT	QUAN.
60255500	MANHOLES TO BE ADJUSTED	EACH	3
60255600	MANHOLES TO BE ADJUSTED (SPECIAL)	EACH	7
60256700	MANHOLES TO BE ADJUSTED WITH NEW TYPE 11 FRAME AND GRATE	EACH	1
60257900	MANHOLES TO BE RECONSTRUCTED	EACH	1
60260400	INLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1
60266600	VALVE BOXES TO BE ADJUSTED	EACH	5
60266610	VALVE BOXES TO BE ADJUSTED (SPECIAL)	EACH	2
60300310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	2
60500040	REMOVING MANHOLES	EACH	3
60500060	REMOVING INLETS	EACH	3
X0321558	SANITARY MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1
XX002895	SANITARY MANHOLES TO BE RECONSTRUCTED WITH NEW FRAME AND LID	EACH	1

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVALS/RELOCATIONS PLAN

SCALE : 1"=20' | SHEET NO. 15 OF 75 SHEETS | STA. 26+25 TO STA. 30+75

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	07-00456-00-RS	CHAMPAIGN	75	15
	GOODWIN AVENUE	CONTRACT NO. 91392		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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CONTRACT NO. 91392

STRUCTURE ADJUSTMENT AND REMOVAL PAY ITEMS - 30+75 TO 34+75			
CODE NO.	DESCRIPTION	UNIT	QUAN.
60255500	MANHOLES TO BE ADJUSTED	EACH	1
60255600	MANHOLES TO BE ADJUSTED (SPECIAL)	EACH	9
60258200	MANHOLES TO BE RECONSTRUCTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1
60260100	INLETS TO BE ADJUSTED	EACH	1
60266600	VALVE BOXES TO BE ADJUSTED	EACH	2
60266610	VALVE BOXES TO BE ADJUSTED (SPECIAL)	EACH	9
60500060	REMOVING INLETS	EACH	2

SEE THE TRAFFIC SIGNAL PLANS FOR TRAFFIC SIGNAL REMOVAL ITEMS.

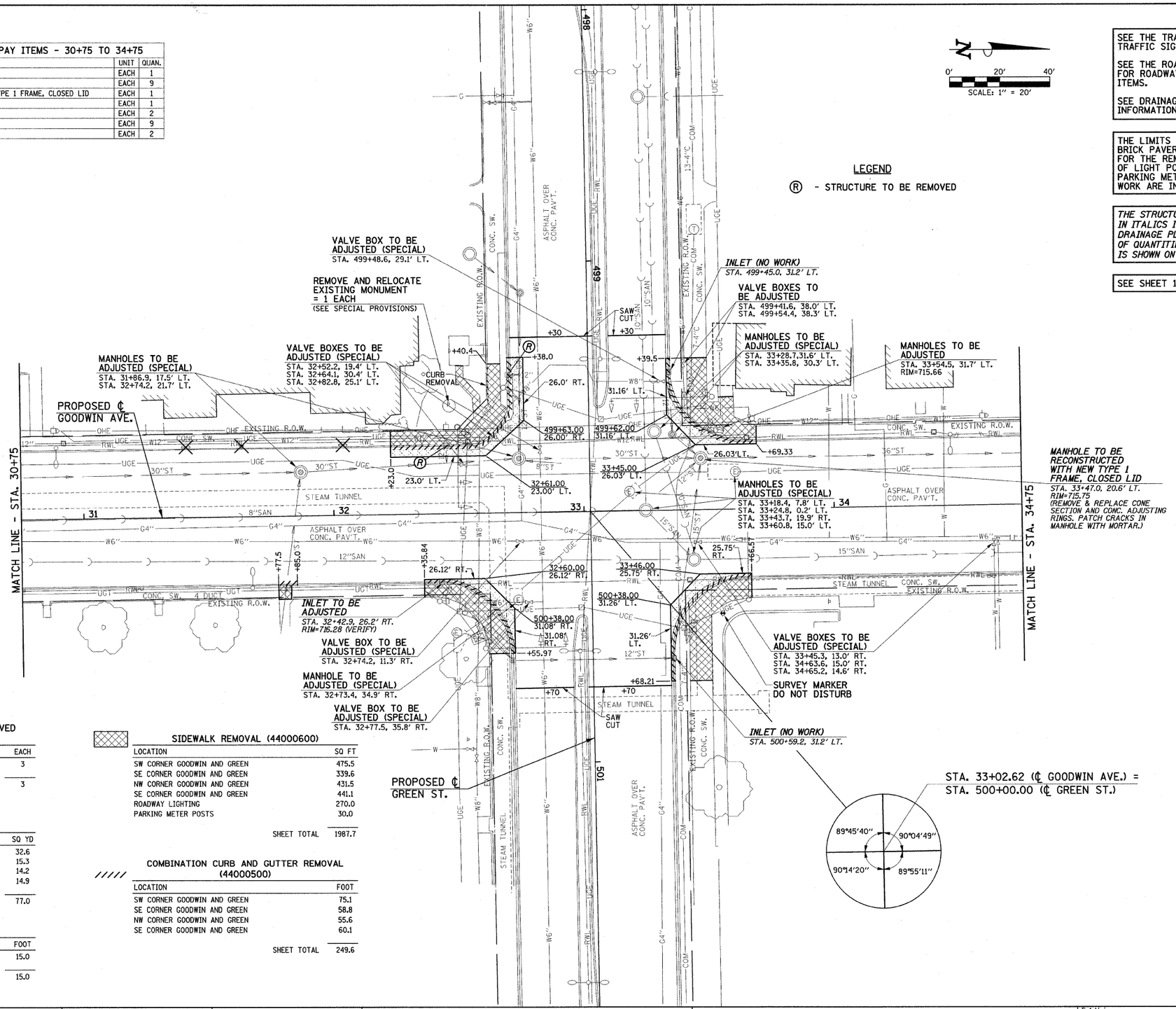
SEE THE ROADWAY LIGHTING PLANS FOR ROADWAY LIGHTING REMOVAL ITEMS.

SEE DRAINAGE PLANS FOR ADDITIONAL INFORMATION.

THE LIMITS OF SIDEWALK REMOVAL AND BRICK PAVER REMOVAL ARE NOT SHOWN FOR THE REMOVAL AND/OR INSTALLATION OF LIGHT POLES, JUNCTION BOXES, OR PARKING METERS. QUANTITIES FOR THIS WORK ARE INCLUDED ON THE PLANS.

THE STRUCTURE INFORMATION SHOWN IN ITALICS IS ALSO SHOWN ON THE DRAINAGE PLANS. THE SCHEDULE OF QUANTITIES FOR THESE ITEMS IS SHOWN ON THE REMOVAL PLANS.

SEE SHEET 11 FOR REMOVAL NOTES



PARKING METER POSTS TO BE REMOVED (Z0036700)

STATION	TO STATION	EACH
31+41 LT.	32+04 LT.	3
	SHEET TOTAL	3

PAVEMENT REMOVAL (44000100)

LOCATION	SQ YD
SW CORNER GOODWIN AND GREEN	32.6
SE CORNER GOODWIN AND GREEN	15.3
NW CORNER GOODWIN AND GREEN	14.2
SE CORNER GOODWIN AND GREEN	14.9
SHEET TOTAL	77.0

CURB REMOVAL (44000300)

LOCATION	FOOT
SW CORNER GOODWIN AND GREEN	15.0
SHEET TOTAL	15.0

SIDEWALK REMOVAL (44000600)

LOCATION	SQ FT
SW CORNER GOODWIN AND GREEN	475.5
SE CORNER GOODWIN AND GREEN	339.6
NW CORNER GOODWIN AND GREEN	431.5
SE CORNER GOODWIN AND GREEN	441.1
ROADWAY LIGHTING	270.0
PARKING METER POSTS	30.0
SHEET TOTAL	1987.7

COMBINATION CURB AND GUTTER REMOVAL (44000500)

LOCATION	FOOT
SW CORNER GOODWIN AND GREEN	75.1
SE CORNER GOODWIN AND GREEN	58.8
NW CORNER GOODWIN AND GREEN	55.6
SE CORNER GOODWIN AND GREEN	60.1
SHEET TOTAL	249.6

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DATE - 01-2009	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVALS/RELOCATIONS PLAN

SCALE : 1"=20' | SHEET NO. 16 OF 75 SHEETS | STA. 30+75 TO STA. 34+75

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	07-00456-00-RS	CHAMPAIGN	75	16
	GOODWIN AVENUE	CONTRACT NO. 91392		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

U0070052

CONTRACT NO. 91392

SEE THE TRAFFIC SIGNAL PLANS FOR TRAFFIC SIGNAL REMOVAL ITEMS.

SEE THE ROADWAY LIGHTING PLANS FOR ROADWAY LIGHTING REMOVAL ITEMS.

SEE DRAINAGE PLANS FOR ADDITIONAL INFORMATION.

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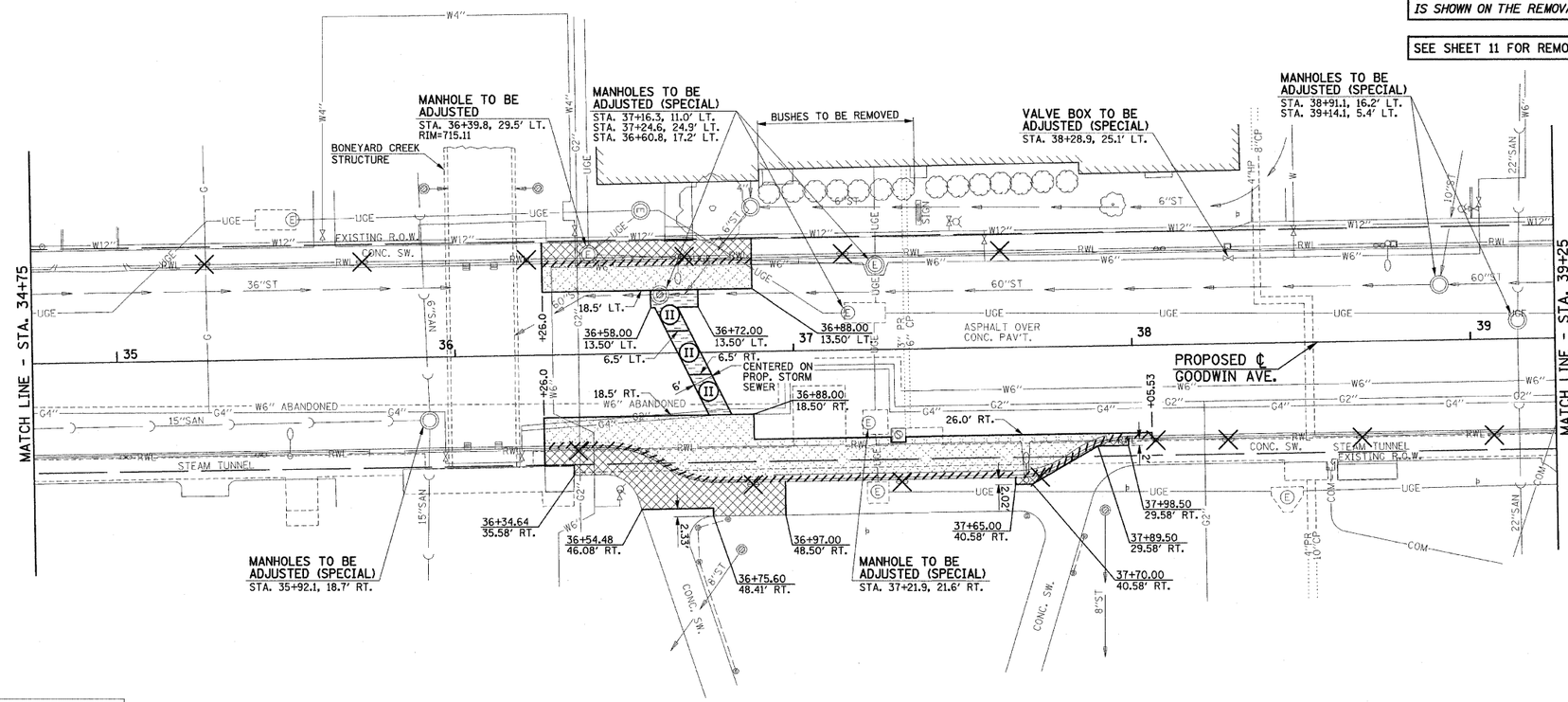
SEE SHEET 11 FOR REMOVAL NOTES



STRUCTURE ADJUSTMENT AND REMOVAL PAY ITEMS - 34+75 TO 39+25			
CODE NO.	DESCRIPTION	UNIT	QUAN.
60255500	MANHOLES TO BE ADJUSTED	EACH	1
60255600	MANHOLES TO BE ADJUSTED (SPECIAL)	EACH	7
60266610	VALVE BOXES TO BE ADJUSTED (SPECIAL)	EACH	1

PARKING METER POSTS TO BE REMOVED (Z0036700)

STATION	TO STATION	EACH
35+26 LT.	37+61 LT.	6
36+36 RT.	39+07 RT.	8
	SHEET TOTAL	14

PAVEMENT REMOVAL (44000100)

STATION	TO STATION	SQ YD
36+26 LT.	36+88 LT.	52.6
36+26 RT.	38+05.5 RT.	194.3
	SHEET TOTAL	246.9

SIDEWALK REMOVAL (44000600)

STATION	TO STATION	SQ FT
36+26 LT.	36+88 LT.	340.8
36+26 RT.	37+98.5 RT.	731.2
ROADWAY LIGHTING		340.0
PARKING METER POSTS		100.0
	SHEET TOTAL	1512.0

COMBINATION CURB AND GUTTER REMOVAL (44000500)

STATION	TO STATION	FOOT
36+26 LT.	36+88 LT.	62.0
36+26 RT.	38+05.5 RT.	184.2
	SHEET TOTAL	246.2

CLASS B PATCHES, TYPE II, 8" (44200934)

STATION	TO STATION	SQ YD
36+58.0 LT.	36+72.0 LT.	13.0
36+62.7 LT.	36+75.7 RT.	9.7
36+69.0 RT.	36+81.5 RT.	8.9
	SHEET TOTAL	31.6

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REMOVALS/RELOCATIONS PLAN

SCALE : 1"=20' | SHEET NO. 17 OF 75 SHEETS | STA. 34+75 TO STA. 39+25

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	07-00456-00-RS	CHAMPAIGN	75	17
	GOODWIN AVENUE	CONTRACT NO. 91392		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

U0070052

CONTRACT NO. 91392

SEE THE TRAFFIC SIGNAL PLANS FOR TRAFFIC SIGNAL REMOVAL ITEMS.

SEE THE ROADWAY LIGHTING PLANS FOR ROADWAY LIGHTING REMOVAL ITEMS.

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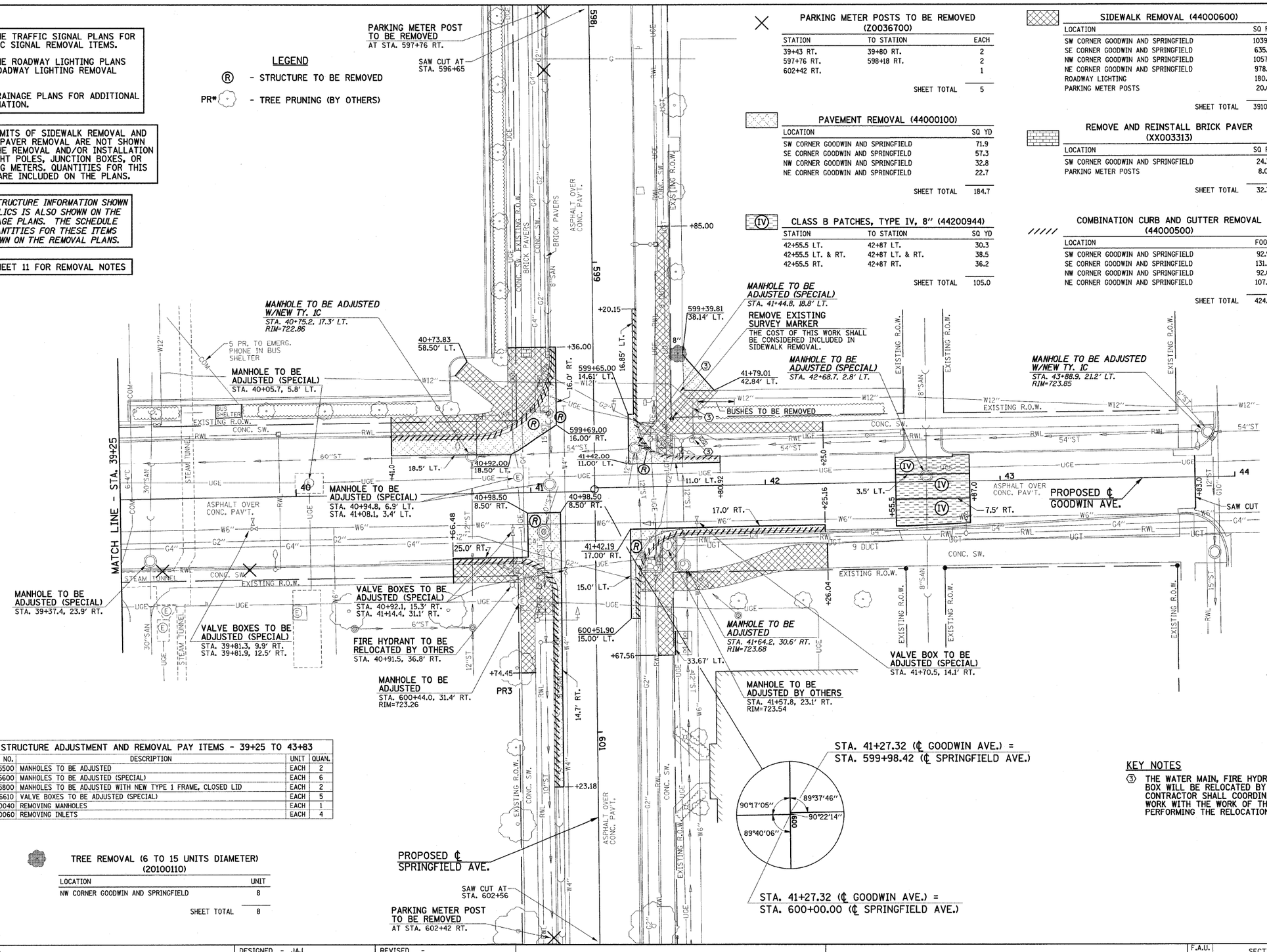
SEE SHEET 11 FOR REMOVAL NOTES

LEGEND

(R) - STRUCTURE TO BE REMOVED

PR# - TREE PRUNING (BY OTHERS)



PARKING METER POSTS TO BE REMOVED (Z0036700)

STATION	TO STATION	EACH
39+43 RT.	39+80 RT.	2
597+76 RT.	598+18 RT.	2
602+42 RT.		1
	SHEET TOTAL	5

PAVEMENT REMOVAL (44000100)

LOCATION	SQ YD
SW CORNER GOODWIN AND SPRINGFIELD	71.9
SE CORNER GOODWIN AND SPRINGFIELD	57.3
NW CORNER GOODWIN AND SPRINGFIELD	32.8
NE CORNER GOODWIN AND SPRINGFIELD	22.7
SHEET TOTAL	184.7

CLASS B PATCHES, TYPE IV, 8" (44200944)

STATION	TO STATION	SQ YD
42+55.5 LT.	42+87 LT.	30.3
42+55.5 LT. & RT.	42+87 LT. & RT.	38.5
42+55.5 RT.	42+87 RT.	36.2
	SHEET TOTAL	105.0

SIDEWALK REMOVAL (44000600)

LOCATION	SQ FT
SW CORNER GOODWIN AND SPRINGFIELD	1039.4
SE CORNER GOODWIN AND SPRINGFIELD	635.6
NW CORNER GOODWIN AND SPRINGFIELD	1057.1
NE CORNER GOODWIN AND SPRINGFIELD	978.8
ROADWAY LIGHTING	180.0
PARKING METER POSTS	20.0
SHEET TOTAL	3910.9

REMOVE AND REINSTALL BRICK PAVER (XX003313)

LOCATION	SQ FT
SW CORNER GOODWIN AND SPRINGFIELD	24.3
PARKING METER POSTS	8.0
SHEET TOTAL	32.3

COMBINATION CURB AND GUTTER REMOVAL (44000500)

LOCATION	FOOT
SW CORNER GOODWIN AND SPRINGFIELD	92.9
SE CORNER GOODWIN AND SPRINGFIELD	131.8
NW CORNER GOODWIN AND SPRINGFIELD	92.6
NE CORNER GOODWIN AND SPRINGFIELD	107.3
SHEET TOTAL	424.6

STRUCTURE ADJUSTMENT AND REMOVAL PAY ITEMS - 39+25 TO 43+83

CODE NO.	DESCRIPTION	UNIT	QUAN.
60255500	MANHOLES TO BE ADJUSTED	EACH	2
60255600	MANHOLES TO BE ADJUSTED (SPECIAL)	EACH	6
60255800	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	2
60266610	VALVE BOXES TO BE ADJUSTED (SPECIAL)	EACH	5
60500040	REMOVING MANHOLES	EACH	1
60500060	REMOVING INLETS	EACH	4

TREE REMOVAL (6 TO 15 UNITS DIAMETER) (20100110)

LOCATION	UNIT
NW CORNER GOODWIN AND SPRINGFIELD	8
SHEET TOTAL	8

KEY NOTES

③ THE WATER MAIN, FIRE HYDRANT, AND VALVE BOX WILL BE RELOCATED BY OTHERS. THE CONTRACTOR SHALL COORDINATE HIS/HER WORK WITH THE WORK OF THE CONTRACTOR PERFORMING THE RELOCATION.

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REMOVALS/RELOCATIONS PLAN

SCALE : 1"=20' | SHEET NO. 18 OF 75 SHEETS | STA. 39+25 TO STA. 43+83

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	07-00456-00-RS	CHAMPAIGN	75	18
	GOODWIN AVENUE	CONTRACT NO. 91392		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

U0070052

CONTRACT NO. 91392

FOR THE COMB CC&G TB6.12 SPL, A 1-FOOT STUB SHALL BE CONSTRUCTED PERPENDICULAR TO THE SAWED EDGE OF EXISTING PAVEMENT AT THE LOCATIONS SHOWN ON THE PLANS. SEE THE TYPICAL SECTIONS FOR ADDITIONAL INFORMATION.

SEE THE INTERSECTION DETAILS FOR THE PROPOSED CURB HEIGHTS FOR THE COMB CC&G TB6.12 SPL AND THE TYPE B CURB.

SEE THE INTERSECTION DETAILS FOR THE LOCATIONS OF THE MONOLITHIC CURB ADJACENT TO THE PROPOSED CONCRETE SIDEWALK.

SEE THE INTERSECTION DETAILS FOR ADDITIONAL INFORMATION.

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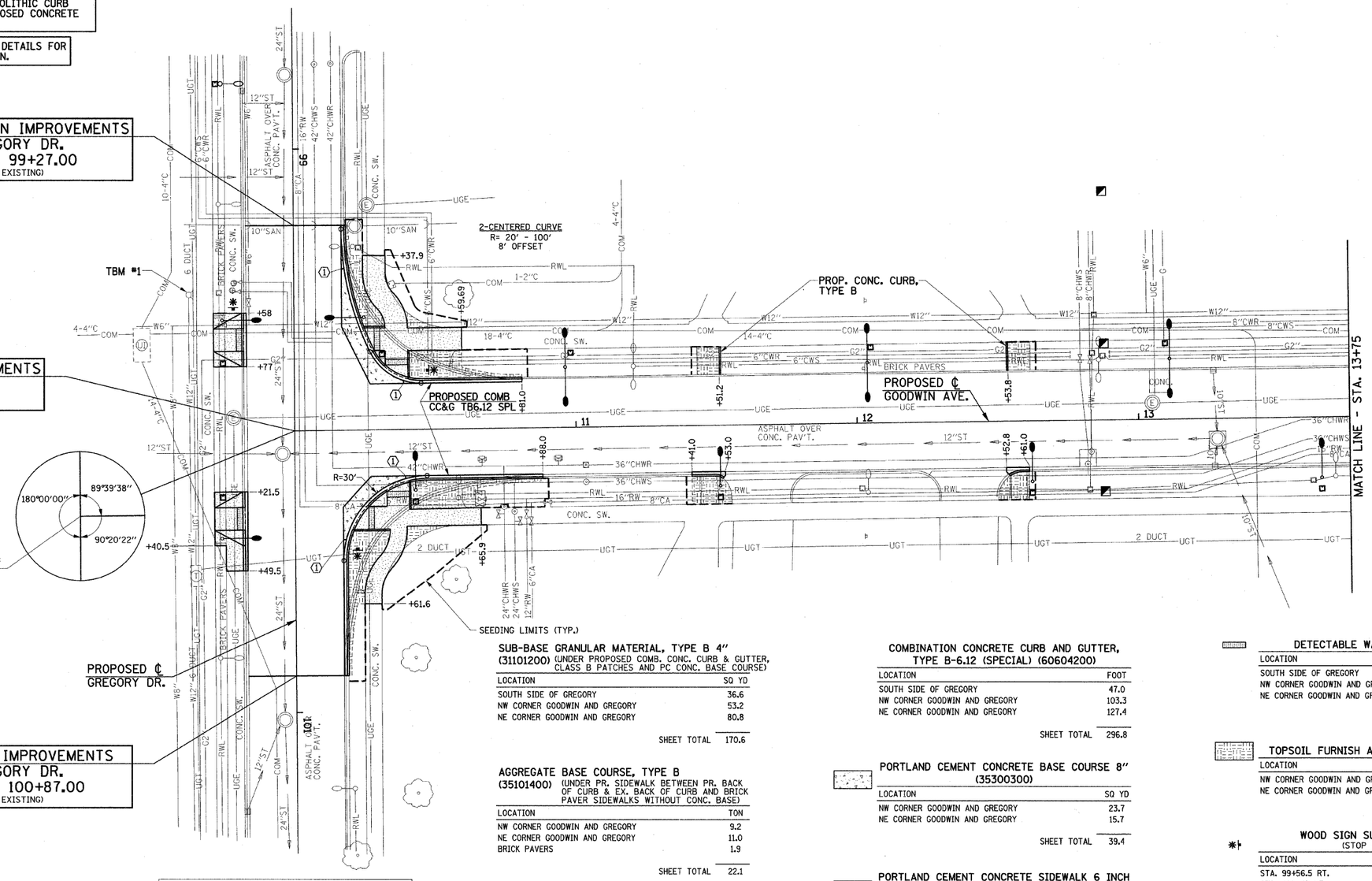
SEC. 18, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS

N

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

KEY NOTES

① 1' STUB



SUB-BASE GRANULAR MATERIAL, TYPE B 4" (31101200)

(UNDER PROPOSED COMB. CONC. CURB & GUTTER, CLASS B PATCHES AND PC CONC. BASE COURSE)

LOCATION	SQ YD
SOUTH SIDE OF GREGORY	36.6
NW CORNER GOODWIN AND GREGORY	53.2
NE CORNER GOODWIN AND GREGORY	80.8
SHEET TOTAL	170.6

AGGREGATE BASE COURSE, TYPE B (35101400)

(UNDER PR. SIDEWALK BETWEEN PR. BACK OF CURB & EX. BACK OF CURB AND BRICK PAVER SIDEWALKS WITHOUT CONC. BASE)

LOCATION	TON
NW CORNER GOODWIN AND GREGORY	9.2
NE CORNER GOODWIN AND GREGORY	11.0
BRICK PAVERS	1.9
SHEET TOTAL	22.1

CONCRETE CURB, TYPE B (60600605)

LOCATION	FOOT
STA. 11+51.2 LT.	9.9
STA. 12+53.8 LT.	10.1
SHEET TOTAL	20.0

COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL) (60604200)

LOCATION	FOOT
SOUTH SIDE OF GREGORY	47.0
NW CORNER GOODWIN AND GREGORY	103.3
NE CORNER GOODWIN AND GREGORY	127.4
SHEET TOTAL	296.8

PORTLAND CEMENT CONCRETE BASE COURSE 8" (35300300)

LOCATION	SQ YD
NW CORNER GOODWIN AND GREGORY	23.7
NE CORNER GOODWIN AND GREGORY	15.7
SHEET TOTAL	39.4

PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH (42400300)

LOCATION	SQ FT
SOUTH SIDE OF GREGORY	436.4
NW CORNER GOODWIN AND GREGORY	567.5
NE CORNER GOODWIN AND GREGORY	553.2
SHEET TOTAL	1557.1

DETECTABLE WARNINGS (42400800)

LOCATION	SQ FT
SOUTH SIDE OF GREGORY	32
NW CORNER GOODWIN AND GREGORY	32
NE CORNER GOODWIN AND GREGORY	32
SHEET TOTAL	96

TOPSOIL FURNISH AND PLACE, 6" (21101625)

LOCATION	SQ YD
NW CORNER GOODWIN AND GREGORY	63
NE CORNER GOODWIN AND GREGORY	91
SHEET TOTAL	154

WOOD SIGN SUPPORT (73000100)

(STOP SIGN LOCATIONS)

LOCATION	FOOT
STA. 99+56.5 RT.	12
STA. 100+42 LT.	12
STA. 10+47.5 LT.	12
SHEET TOTAL	36

SEEDING PAY ITEMS - 10+00 TO 13+75

CODE NO.	DESCRIPTION	UNIT	QUAN.
XX000880	SEEDING, CLASS 1, SPECIAL	SQ YD	390
X0321566	MULCH, SPECIAL	SQ YD	390

TBM #1
SOUTHEAST TOP FLANGE BOLT HEAD OF FIRE HYDRANT AT STA. 99+51.3 RT.
ELEV.= 743.59

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SITE IMPROVEMENTS PLAN

SCALE : 1"=20' | SHEET NO. 19 OF 75 SHEETS | STA. 10+00 TO STA. 13+75

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	07-00456-00-RS	CHAMPAIGN	75	19
	GOODWIN AVENUE	CONTRACT NO. 91392		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

U0070052

CONTRACT NO. 91392

SEC. 18, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS

FOR THE COMB CC&G TB6.12 SPL, A 1-FOOT STUB SHALL BE CONSTRUCTED PERPENDICULAR TO THE SAWED EDGE OF EXISTING PAVEMENT AT THE LOCATIONS SHOWN ON THE PLANS. SEE THE TYPICAL SECTIONS FOR ADDITIONAL INFORMATION.

SEE THE INTERSECTION DETAILS FOR THE PROPOSED CURB HEIGHTS FOR THE COMB CC&G TB6.12 SPL AND THE TYPE B CURB.

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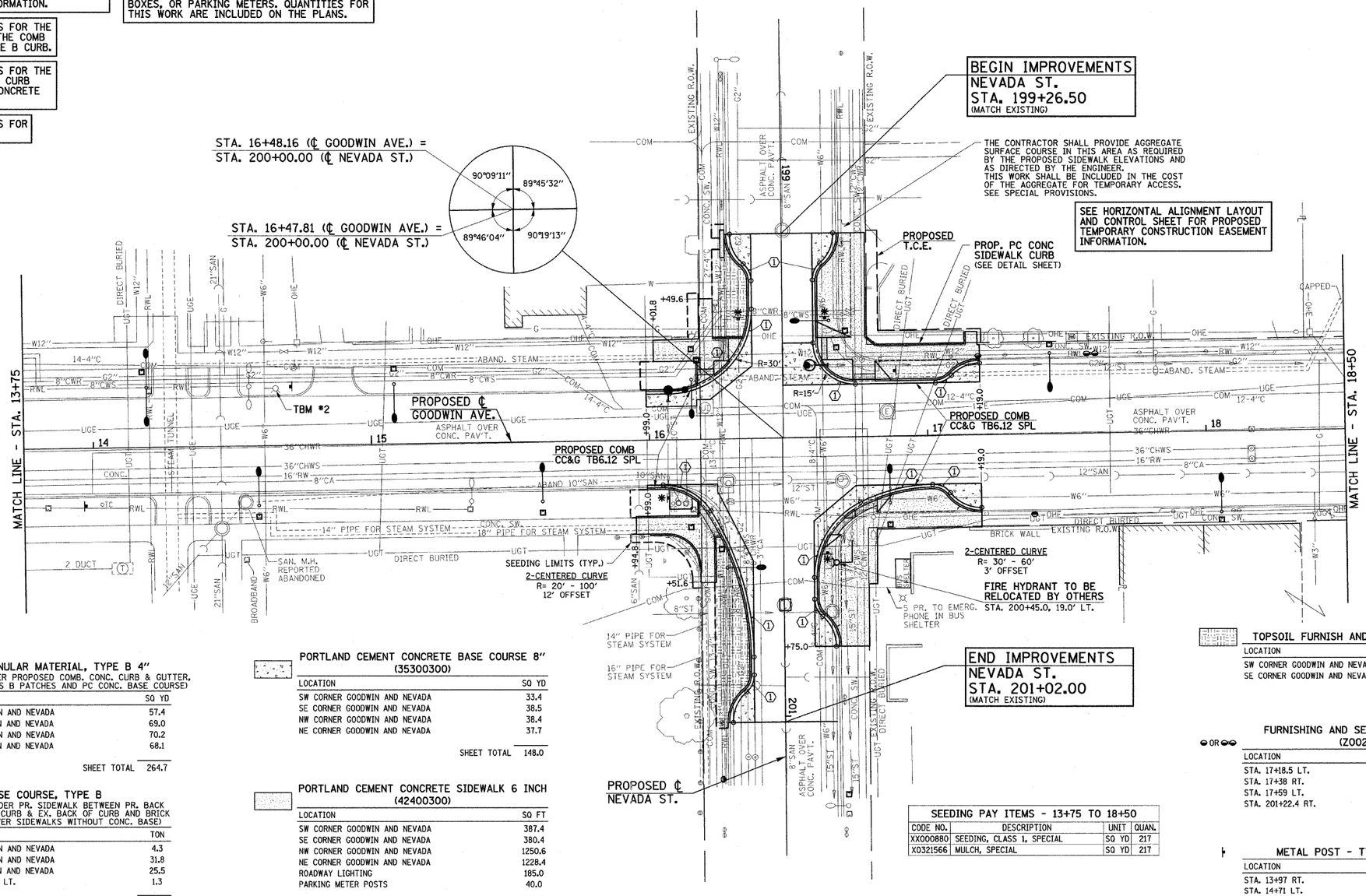
KEY NOTES

① 1' STUB



SUB-BASE GRANULAR MATERIAL, TYPE B 4" (31101200)
(UNDER PROPOSED COMB. CONC. CURB & GUTTER, CLASS B PATCHES AND PC CONC. BASE COURSE)

LOCATION	SQ YD
SW CORNER GOODWIN AND NEVADA	57.4
SE CORNER GOODWIN AND NEVADA	69.0
NW CORNER GOODWIN AND NEVADA	70.2
NE CORNER GOODWIN AND NEVADA	68.1
SHEET TOTAL	264.7

AGGREGATE BASE COURSE, TYPE B (35101400)
(UNDER PR. SIDEWALK BETWEEN PR. BACK OF CURB & EX. BACK OF CURB AND BRICK PAVER SIDEWALKS WITHOUT CONC. BASE)

LOCATION	TON
SW CORNER GOODWIN AND NEVADA	4.3
NW CORNER GOODWIN AND NEVADA	31.8
NE CORNER GOODWIN AND NEVADA	25.5
STA. 16+58.0, 26.0' LT.	1.3
SHEET TOTAL	62.9

COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL) (60604200)

LOCATION	FOOT
SW CORNER GOODWIN AND NEVADA	83.3
SE CORNER GOODWIN AND NEVADA	105.9
NW CORNER GOODWIN AND NEVADA	110.4
NE CORNER GOODWIN AND NEVADA	106.1
SHEET TOTAL	405.7

PORTLAND CEMENT CONCRETE BASE COURSE 8" (35300300)

LOCATION	SQ YD
SW CORNER GOODWIN AND NEVADA	33.4
SE CORNER GOODWIN AND NEVADA	38.5
NW CORNER GOODWIN AND NEVADA	38.4
NE CORNER GOODWIN AND NEVADA	37.7
SHEET TOTAL	148.0

PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH (42400300)

LOCATION	SQ FT
SW CORNER GOODWIN AND NEVADA	387.4
SE CORNER GOODWIN AND NEVADA	380.4
NW CORNER GOODWIN AND NEVADA	1250.6
NE CORNER GOODWIN AND NEVADA	1228.4
ROADWAY LIGHTING	185.0
PARKING METER POSTS	40.0
SHEET TOTAL	3471.8

DETECTABLE WARNINGS (42400800)

LOCATION	SQ FT
SW CORNER GOODWIN AND NEVADA	28.0
SE CORNER GOODWIN AND NEVADA	24.5
NW CORNER GOODWIN AND NEVADA	32.0
NE CORNER GOODWIN AND NEVADA	34.1
SHEET TOTAL	118.6

TBM #2
NORTHEAST TOP FLANGE BOLT HEAD OF FIRE HYDRANT AT STA. 14+65.5 LT.
ELEV.= 741.39

SEEDING PAY ITEMS - 13+75 TO 18+50

CODE NO.	DESCRIPTION	UNIT	QUAN.
XX000880	SEEDING, CLASS 1, SPECIAL	SQ YD	217
X0321566	MULCH, SPECIAL	SQ YD	217

PORTLAND CEMENT CONCRETE SIDEWALK CURB (Z0042300)

LOCATION	FOOT
NW CORNER GOODWIN AND NEVADA	59.5
SHEET TOTAL	59.5

TOPSOIL FURNISH AND PLACE, 6" (21101625)

LOCATION	SQ YD
SW CORNER GOODWIN AND NEVADA	29
SE CORNER GOODWIN AND NEVADA	68
SHEET TOTAL	97

FURNISHING AND SETTING STEEL POSTS (Z0026700)

LOCATION	EACH
STA. 17+18.5 LT.	1
STA. 17+38 RT.	1
STA. 17+59 LT.	1
STA. 201+22.4 RT.	1
SHEET TOTAL	4

METAL POST - TYPE B (72900200)

LOCATION	FOOT
STA. 13+97 RT.	12
STA. 14+71 LT.	12
SHEET TOTAL	24

WOOD SIGN SUPPORT (73000100)
(STOP SIGN LOCATIONS)

LOCATION	FOOT
STA. 16+06.5 RT.	12
STA. 16+88.5 LT.	12
STA. 199+57 LT. & RT.	24
STA. 200+41.5 LT.	12
SHEET TOTAL	60

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SITE IMPROVEMENTS PLAN

SCALE : 1"=20' | SHEET NO. 20 OF 75 SHEETS | STA. 13+75 TO STA. 18+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	07-00456-00-RS	CHAMPAIGN	75	20
	GOODWIN AVENUE	CONTRACT NO. 91392		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

U0070052

CONTRACT NO. 91392

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SEE THE INTERSECTION DETAILS FOR ADDITIONAL INFORMATION.

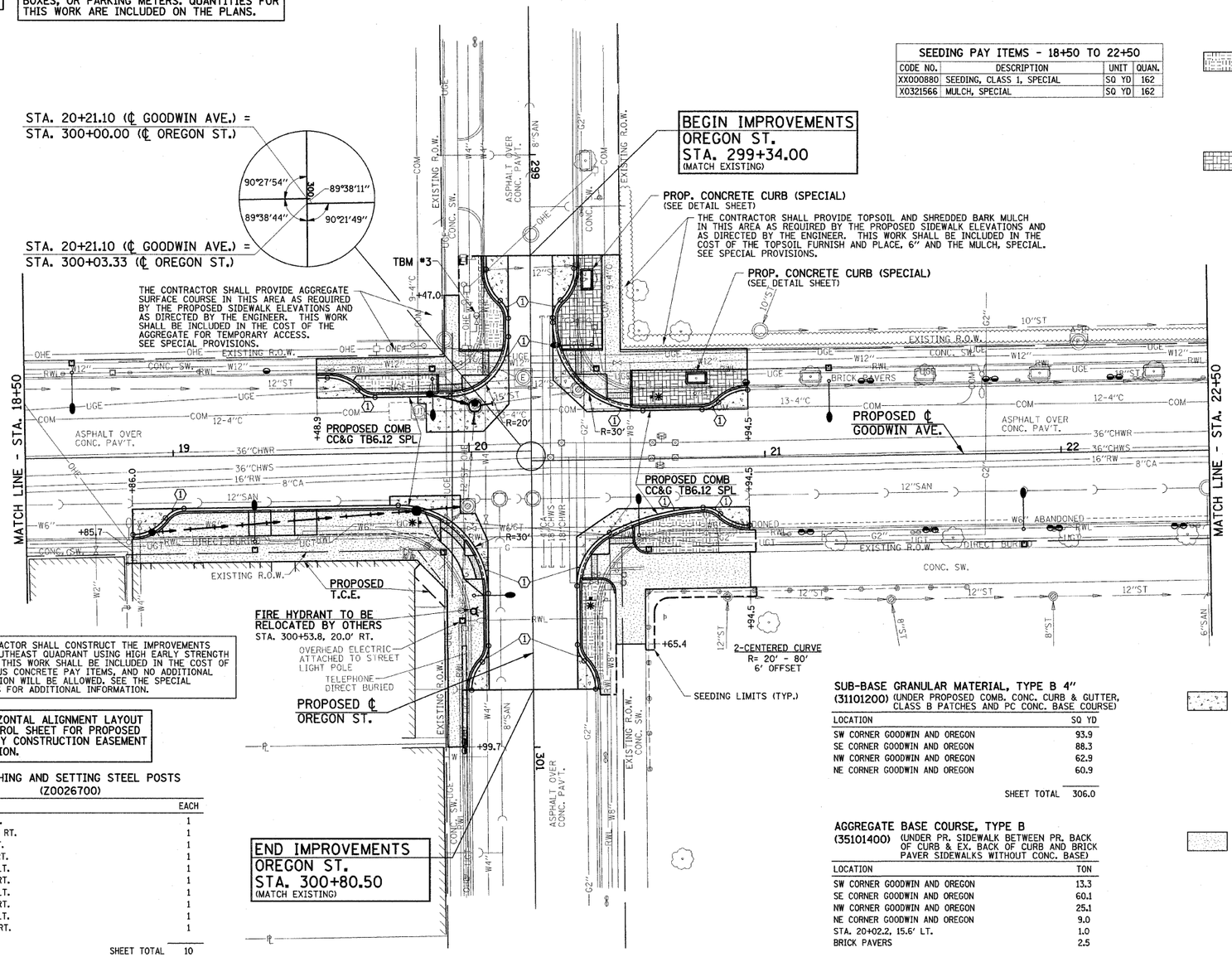
KEY NOTES

① 1' STUB

THE LIMITS OF SIDEWALK INSTALLATION, BRICK PAVER INSTALLATION, AND SEEDING ARE NOT SHOWN FOR THE REMOVAL AND/OR INSTALLATION OF LIGHT POLES, JUNCTION BOXES, OR PARKING METERS. QUANTITIES FOR THIS WORK ARE INCLUDED ON THE PLANS.

SEC. 18, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS

SCALE: 1" = 20'



THE CONTRACTOR SHALL CONSTRUCT THE IMPROVEMENTS ON THE SOUTHEAST QUADRANT USING HIGH EARLY STRENGTH CONCRETE. THIS WORK SHALL BE INCLUDED IN THE COST OF THE VARIOUS CONCRETE PAY ITEMS, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. SEE THE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.

SEE HORIZONTAL ALIGNMENT LAYOUT AND CONTROL SHEET FOR PROPOSED TEMPORARY CONSTRUCTION EASEMENT INFORMATION.

SEEDING PAY ITEMS - 18+50 TO 22+50

CODE NO.	DESCRIPTION	UNIT	QUAN.
XX000880	SEEDING, CLASS 1, SPECIAL	SQ YD	162
X0321566	MULCH, SPECIAL	SQ YD	162

TOPSOIL FURNISH AND PLACE, 6" (21101625)

LOCATION	SQ YD
SW CORNER GOODWIN AND OREGON	35
NE CORNER GOODWIN AND OREGON	66
SHEET TOTAL	101

BRICK PAVER SIDEWALK (XX004688)

LOCATION	SQ FT
NW CORNER GOODWIN AND OREGON	220
SHEET TOTAL	220

NOTE: A QUANTITY OF 505 SQ FT OF SALVAGED BRICK PAVERS SHALL BE USED AT THIS LOCATION. THIS WORK IS INCLUDED IN THE COST OF REMOVE AND REINSTALL BRICK PAVER. THE BRICK PAVER SIDEWALK AT THIS LOCATION SHALL HAVE A CONCRETE SIDEWALK BASE. SEE SPECIAL PROVISIONS.

CONCRETE CURB (SPECIAL) (60600505)

LOCATION	FOOT
NW CORNER GOODWIN AND OREGON	44.0
SHEET TOTAL	44.0

FURNISHING AND SETTING STEEL POSTS (Z0026700)

OR

LOCATION	EACH
STA. 19+32 LT.	1
STA. 300+99.5 RT.	1
STA. 20+94 LT.	1
STA. 21+13.5 RT.	1
STA. 21+34.5 LT.	1
STA. 21+55.5 RT.	1
STA. 21+76.5 LT.	1
STA. 21+97.5 RT.	1
STA. 22+18.5 LT.	1
STA. 22+39.5 RT.	1
SHEET TOTAL	10

WOOD SIGN SUPPORT (73000100)
(STOP SIGN LOCATIONS)

LOCATION	FOOT
STA. 19+83 RT.	12
STA. 20+62 LT.	12
STA. 300+50 LT.	12
SHEET TOTAL	36

TBM #3
NORTHEAST TOP FLANGE BOLT HEAD OF FIRE HYDRANT AT STA. 20+03.3 LT.
ELEV.= 733.83

SUB-BASE GRANULAR MATERIAL, TYPE B 4" (31101200)
(UNDER PROPOSED COMB. CONC. CURB & GUTTER, CLASS B PATCHES AND PC CONC. BASE COURSE)

LOCATION	SQ YD
SW CORNER GOODWIN AND OREGON	93.9
SE CORNER GOODWIN AND OREGON	88.3
NW CORNER GOODWIN AND OREGON	62.9
NE CORNER GOODWIN AND OREGON	60.9
SHEET TOTAL	306.0

AGGREGATE BASE COURSE, TYPE B (35101400)
(UNDER PR. SIDEWALK BETWEEN PR. BACK OF CURB & EX. BACK OF CURB AND BRICK PAVER SIDEWALKS WITHOUT CONC. BASE)

LOCATION	TON
SW CORNER GOODWIN AND OREGON	13.3
SE CORNER GOODWIN AND OREGON	60.1
NW CORNER GOODWIN AND OREGON	25.1
NE CORNER GOODWIN AND OREGON	9.0
STA. 20+02.2, 15.6' LT.	1.0
BRICK PAVERS	2.5
SHEET TOTAL	111.0

COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL) (60604200)

LOCATION	FOOT
SW CORNER GOODWIN AND OREGON	106.0
SE CORNER GOODWIN AND OREGON	172.5
NW CORNER GOODWIN AND OREGON	107.6
NE CORNER GOODWIN AND OREGON	107.4
SHEET TOTAL	493.5

PORTLAND CEMENT CONCRETE BASE COURSE 8" (35300300)

LOCATION	SQ YD
SW CORNER GOODWIN AND OREGON	63.7
SE CORNER GOODWIN AND OREGON	38.9
NW CORNER GOODWIN AND OREGON	32.1
NE CORNER GOODWIN AND OREGON	30.3
SHEET TOTAL	165.0

PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH (42400300)

LOCATION	SQ FT
SW CORNER GOODWIN AND OREGON	575.4
SE CORNER GOODWIN AND OREGON	2410.4
NW CORNER GOODWIN AND OREGON	1504.4
NE CORNER GOODWIN AND OREGON	913.5
ROADWAY LIGHTING	105.0
SHEET TOTAL	5508.7

DETECTABLE WARNINGS (42400800)

LOCATION	SQ FT
SW CORNER GOODWIN AND OREGON	32.0
SE CORNER GOODWIN AND OREGON	38.9
NW CORNER GOODWIN AND OREGON	32.0
NE CORNER GOODWIN AND OREGON	32.0
SHEET TOTAL	134.9

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DRAWN - JRM	REVISED -	
CHECKED - RLH	REVISED -	
DATE - 01-2009	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SITE IMPROVEMENTS PLAN

SCALE : 1"=20' | SHEET NO. 21 OF 75 SHEETS | STA. 18+50 TO STA. 22+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	07-00456-00-RS	CHAMPAIGN	75	21
	GOODWIN AVENUE	CONTRACT NO. 91392		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

U0070052

CONTRACT NO. 91392

FOR THE COMB CC&G TB6.12 SPL, A 1-FOOT STUB SHALL BE CONSTRUCTED PERPENDICULAR TO THE SAWED EDGE OF EXISTING PAVEMENT AT THE LOCATIONS SHOWN ON THE PLANS. SEE THE TYPICAL SECTIONS FOR ADDITIONAL INFORMATION.

SEE THE INTERSECTION DETAILS FOR THE PROPOSED CURB HEIGHTS FOR THE COMB CC&G TB6.12 SPL AND THE TYPE B CURB.

SEE THE INTERSECTION DETAILS FOR THE LOCATIONS OF THE MONOLITHIC CURB ADJACENT TO THE PROPOSED CONCRETE SIDEWALK.

SEE THE INTERSECTION DETAILS FOR ADDITIONAL INFORMATION.

THE LIMITS OF SIDEWALK INSTALLATION, BRICK PAVER INSTALLATION, AND SEEDING ARE NOT SHOWN FOR THE REMOVAL AND/OR INSTALLATION OF LIGHT POLES, JUNCTION BOXES, OR PARKING METERS. QUANTITIES FOR THIS WORK ARE INCLUDED ON THE PLANS.

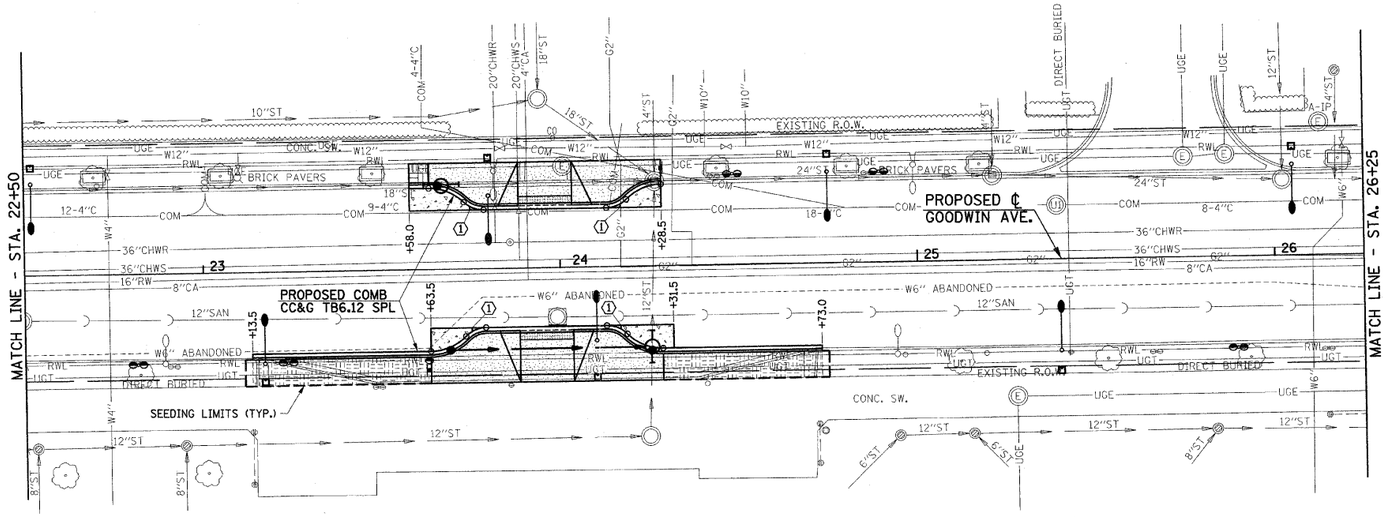
SEC. 18, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS

N

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

KEY NOTES

① 1' STUB



FURNISHING AND SETTING STEEL POSTS (Z0026700)

OR

LOCATION	EACH
STA. 22+81.5 RT.	1
STA. 23+23.5 RT.	1
STA. 23+63 RT.	1
STA. 24+48.5 LT.	1
STA. 24+89.5 LT.	1
STA. 25+89.5 RT.	1
SHEET TOTAL	6

METAL POST - TYPE B (72900200)

LOCATION	FOOT
STA. 23+63 LT.	12
STA. 24+28.5 RT.	12
SHEET TOTAL	24

SUB-BASE GRANULAR MATERIAL, TYPE B 4" (31101200)

(UNDER PROPOSED COMB. CONC. CURB & GUTTER, CLASS B PATCHES AND PC CONC. BASE COURSE)

LOCATION	SQ YD
WEST SIDE GOOWIN AVENUE	36.6
EAST SIDE GOODWIN AVENUE	61.4
SHEET TOTAL	98.0

AGGREGATE BASE COURSE, TYPE B (35101400)

(UNDER PR. SIDEWALK BETWEEN PR. BACK OF CURB & EX. BACK OF CURB AND BRICK PAVER SIDEWALKS WITHOUT CONC. BASE)

LOCATION	TON
WEST SIDE GOOWIN AVENUE	14.8
EAST SIDE GOODWIN AVENUE	40.6
BRIACK PAVERS	5.7
SHEET TOTAL	61.1

COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL) (60604200)

LOCATION	FOOT
WEST SIDE GOOWIN AVENUE	73.8
EAST SIDE GOODWIN AVENUE	163.0
SHEET TOTAL	236.8

PORTLAND CEMENT CONCRETE BASE COURSE 8" (35300300)

LOCATION	SQ YD
WEST SIDE GOOWIN AVENUE	15.5
EAST SIDE GOODWIN AVENUE	14.6
SHEET TOTAL	30.1

PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH (42400300)

LOCATION	SQ FT
WEST SIDE GOOWIN AVENUE	672.4
EAST SIDE GOODWIN AVENUE	784.8
PARKING METER POSTS	30.0
SHEET TOTAL	1487.2

DETECTABLE WARNINGS (42400800)

LOCATION	SQ FT
WEST SIDE GOOWIN AVENUE	30.0
EAST SIDE GOODWIN AVENUE	30.0
SHEET TOTAL	60.0

TOPSOIL FURNISH AND PLACE, 6" (21101625)

STATION	TO STATION	SQ YD
23+13.5 RT.	23+63.5 RT.	41
24+28.5 RT.	24+73.0 RT.	37
SHEET TOTAL		78

BRICK PAVER SIDEWALK (XX004688)

STATION	TO STATION	SQ FT
23+58.0 LT.	23+63.5 LT.	0
SHEET TOTAL		0

NOTE: A QUANTITY OF 30 SQ FT OF SALVAGED BRICK PAVERS SHALL BE USED AT THIS LOCATION. THIS WORK IS INCLUDED IN THE COST OF REMOVE AND REINSTALL BRICK PAVER. THE BRICK PAVER SIDEWALK AT THIS LOCATION SHALL HAVE AN AGGREGATE BASE. SEE SPECIAL PROVISIONS.

SEEDING PAY ITEMS - 22+50 TO 26+25

CODE NO.	DESCRIPTION	UNIT	QUAN.
XX000880	SEEDING, CLASS 1, SPECIAL	SQ YD	101
X0321566	MULCH, SPECIAL	SQ YD	101

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SITE IMPROVEMENTS PLAN

SCALE : 1"=20' | SHEET NO. 22 OF 75 SHEETS | STA. 22+50 TO STA. 26+25

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	07-00456-00-RS	CHAMPAIGN	75	22
	GOODWIN AVENUE	CONTRACT NO. 91392		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

U0070052

CONTRACT NO. 91392

SEC. 18, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS

N

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

FOR THE COMB CC&G TB6.12 SPL, A 1-FOOT STUB SHALL BE CONSTRUCTED PERPENDICULAR TO THE SAWED EDGE OF EXISTING PAVEMENT AT THE LOCATIONS SHOWN ON THE PLANS. SEE THE TYPICAL SECTIONS FOR ADDITIONAL INFORMATION.

SEE THE INTERSECTION DETAILS FOR THE PROPOSED CURB HEIGHTS FOR THE COMB CC&G TB6.12 SPL AND THE TYPE B CURB.

SEE THE INTERSECTION DETAILS FOR THE LOCATIONS OF THE MONOLITHIC CURB ADJACENT TO THE PROPOSED CONCRETE SIDEWALK.

SEE THE INTERSECTION DETAILS FOR ADDITIONAL INFORMATION.

THE LIMITS OF SIDEWALK INSTALLATION, BRICK PAVER INSTALLATION, AND SEEDING ARE NOT SHOWN FOR THE REMOVAL AND/OR INSTALLATION OF LIGHT POLES, JUNCTION BOXES, OR PARKING METERS. QUANTITIES FOR THIS WORK ARE INCLUDED ON THE PLANS.

KEY NOTES

① 1' STUB

② THE CONTRACTOR SHALL PROVIDE THE TOPSOIL AT THIS LOCATION. THE UNIVERSITY OF ILLINOIS WILL PROVIDE THE LANDSCAPING.

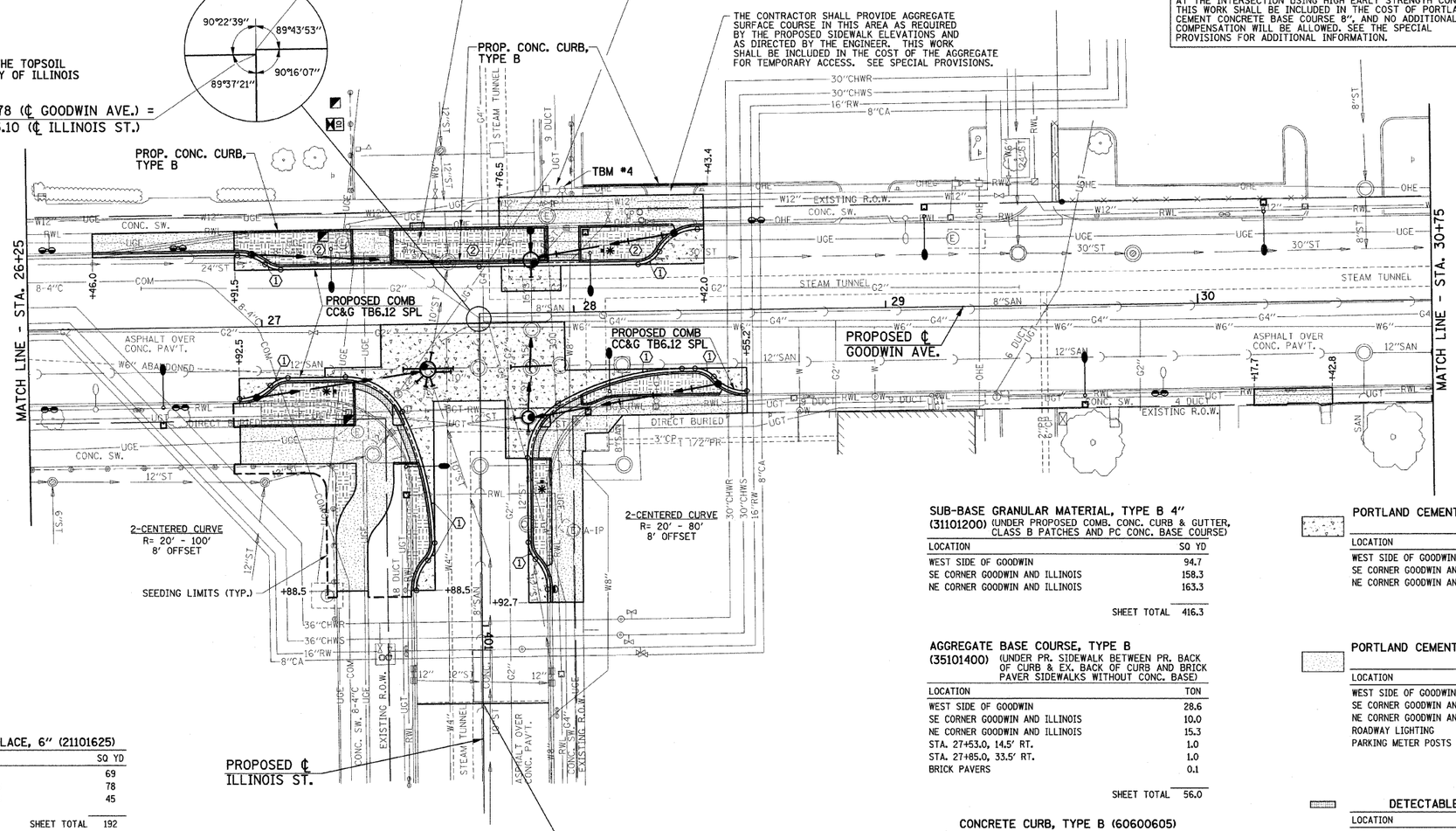
STA. 27+69.78 (℄ GOODWIN AVE.) =
STA. 400+00.00 (℄ ILLINOIS ST.)

TOPSOIL F & P 12 = 55 SQ YD
THE CONTRACTOR SHALL FURNISH AND PLACE 12" OF TOPSOIL AT THIS LOCATION

THE CONTRACTOR SHALL PROVIDE SHREDDED BARK MULCH IN THIS AREA AS REQUIRED BY THE PROPOSED SIDEWALK ELEVATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE COST OF THE MULCH, SPECIAL. SEE SPECIAL PROVISIONS.

THE CONTRACTOR SHALL PROVIDE AGGREGATE SURFACE COURSE IN THIS AREA AS REQUIRED BY THE PROPOSED SIDEWALK ELEVATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE COST OF THE AGGREGATE FOR TEMPORARY ACCESS. SEE SPECIAL PROVISIONS.

THE CONTRACTOR SHALL CONSTRUCT THE PCC BASE COURSE AT THE INTERSECTION USING HIGH EARLY STRENGTH CONCRETE. THIS WORK SHALL BE INCLUDED IN THE COST OF PORTLAND CEMENT CONCRETE BASE COURSE 8", AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. SEE THE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.



END IMPROVEMENTS
ILLINOIS ST.
STA. 401+25.00
(MATCH EXISTING)

TBM #4
NORTHEAST TOP FLANGE BOLT HEAD OF FIRE HYDRANT AT STA. 27+96.9 LT.
ELEV.= 722.72

TOPSOIL FURNISH AND PLACE, 6" (21101625)

LOCATION	SQ YD
WEST SIDE OF GOODWIN	69
SE CORNER GOODWIN AND ILLINOIS	78
NE CORNER GOODWIN AND ILLINOIS	45
SHEET TOTAL	192

FURNISHING AND SETTING STEEL POSTS (Z0026700)

OR

LOCATION	EACH
STA. 26+31.5 RT.	1
STA. 26+31.5 LT.	1
STA. 26+73.5 RT.	1
STA. 26+73.5 LT.	1
STA. 400+88.5 LT.	1
STA. 28+59 LT.	1
STA. 29+87.5 RT.	1
SHEET TOTAL	7

WOOD SIGN SUPPORT (73000100)
(STOP SIGN LOCATIONS)

LOCATION	FOOT
STA. 27+23 RT.	12
STA. 28+09.5 LT.	12
STA. 400+54 LT.	12
SHEET TOTAL	36

SUB-BASE GRANULAR MATERIAL, TYPE B 4" (31101200)
(UNDER PROPOSED COMB. CONC. CURB & GUTTER, CLASS B PATCHES AND PC CONC. BASE COURSE)

LOCATION	SQ YD
WEST SIDE OF GOODWIN	94.7
SE CORNER GOODWIN AND ILLINOIS	158.3
NE CORNER GOODWIN AND ILLINOIS	163.3
SHEET TOTAL	416.3

AGGREGATE BASE COURSE, TYPE B (35101400)
(UNDER PR. SIDEWALK BETWEEN PR. BACK OF CURB & EX. BACK OF CURB AND BRICK PAVER SIDEWALKS WITHOUT CONC. BASE)

LOCATION	TON
WEST SIDE OF GOODWIN	28.6
SE CORNER GOODWIN AND ILLINOIS	10.0
NE CORNER GOODWIN AND ILLINOIS	15.3
STA. 27+53.0, 14.5' RT.	1.0
STA. 27+85.0, 33.5' RT.	1.0
BRICK PAVERS	0.1
SHEET TOTAL	56.0

CONCRETE CURB, TYPE B (60600605)

LOCATION	FOOT
WEST SIDE OF GOODWIN	198.6
SHEET TOTAL	198.6

COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL) (60604200)

LOCATION	FOOT
WEST SIDE OF GOODWIN	201.2
SE CORNER GOODWIN AND ILLINOIS	117.1
NE CORNER GOODWIN AND ILLINOIS	131.9
SHEET TOTAL	450.2

PORTLAND CEMENT CONCRETE BASE COURSE 8" (35300300)

LOCATION	SQ YD
WEST SIDE OF GOODWIN	37.1
SE CORNER GOODWIN AND ILLINOIS	124.8
NE CORNER GOODWIN AND ILLINOIS	125.6
SHEET TOTAL	287.5

PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH (42400300)

LOCATION	SQ FT
WEST SIDE OF GOODWIN	1188.1
SE CORNER GOODWIN AND ILLINOIS	1304.7
NE CORNER GOODWIN AND ILLINOIS	1224.9
ROADWAY LIGHTING	425.0
PARKING METER POSTS	20.0
SHEET TOTAL	4162.7

DETECTABLE WARNINGS (42400800)

LOCATION	SQ FT
WEST SIDE OF GOODWIN	44.0
SE CORNER GOODWIN AND ILLINOIS	55.7
NE CORNER GOODWIN AND ILLINOIS	44.9
SHEET TOTAL	144.6

SEEDING PAY ITEMS - 26+25 TO 30+75

CODE NO.	DESCRIPTION	UNIT	QUAN.
XX000880	SEEDING, CLASS 1, SPECIAL	SQ YD	167
X0321566	MULCH, SPECIAL	SQ YD	167

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SITE IMPROVEMENTS PLAN

SCALE : 1"=20' | SHEET NO. 23 OF 75 SHEETS | STA. 26+25 TO STA. 30+75

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	07-00456-00-RS	CHAMPAIGN	75	23
	GOODWIN AVENUE	CONTRACT NO. 91392		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

U0070052

CONTRACT NO. 91392

SEC. 18, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS

N

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

FOR THE COMB CC&G TB6.12 SPL, A 1-FOOT STUB SHALL BE CONSTRUCTED PERPENDICULAR TO THE SAWED EDGE OF EXISTING PAVEMENT AT THE LOCATIONS SHOWN ON THE PLANS. SEE THE TYPICAL SECTIONS FOR ADDITIONAL INFORMATION.

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SEE THE INTERSECTION DETAILS FOR THE LOCATIONS OF THE MONOLITHIC CURB ADJACENT TO THE PROPOSED CONCRETE SIDEWALK.

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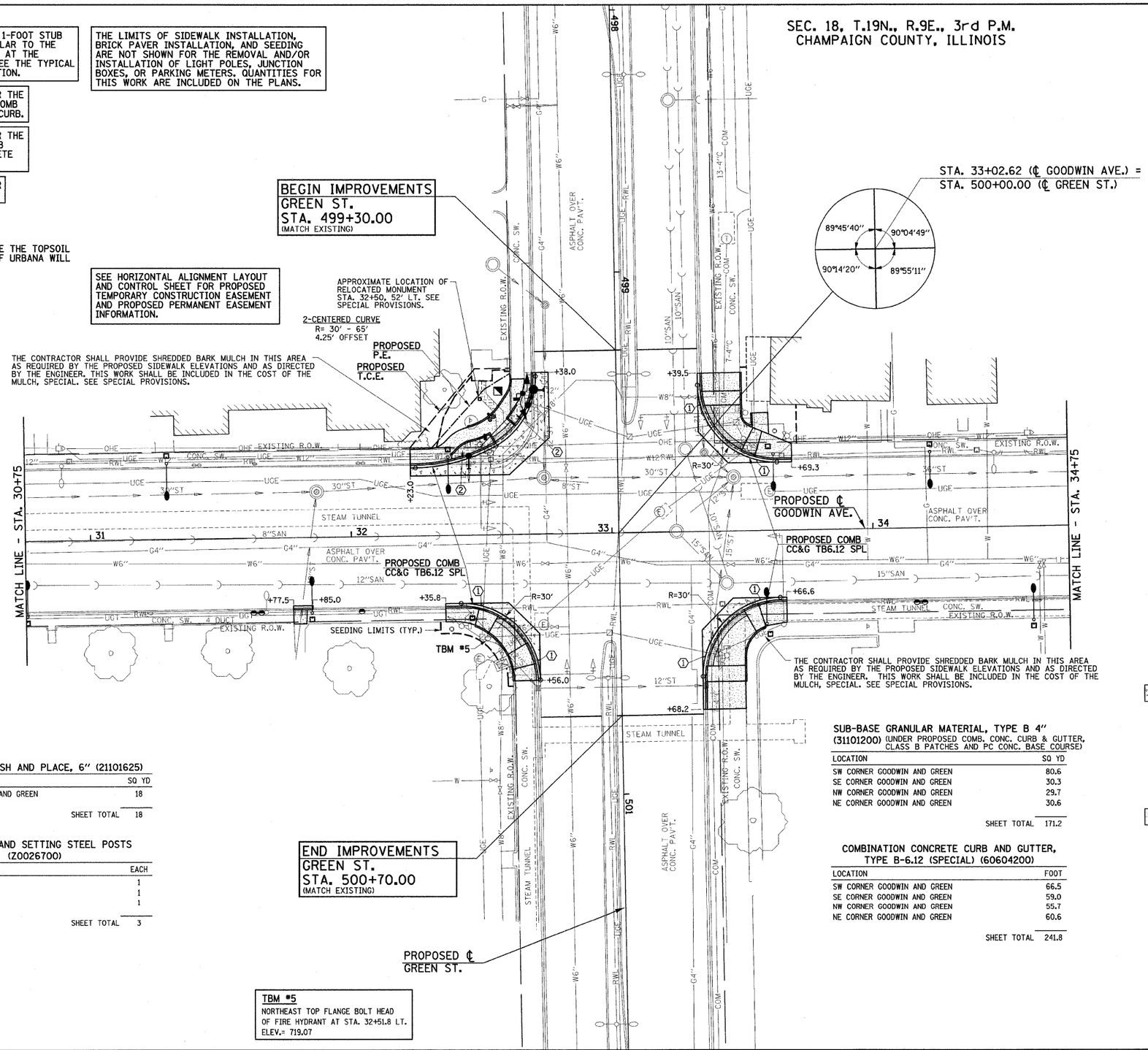
THE LIMITS OF SIDEWALK INSTALLATION, BRICK PAVER INSTALLATION, AND SEEDING ARE NOT SHOWN FOR THE REMOVAL AND/OR INSTALLATION OF LIGHT POLES, JUNCTION BOXES, OR PARKING METERS. QUANTITIES FOR THIS WORK ARE INCLUDED ON THE PLANS.

SEE HORIZONTAL ALIGNMENT LAYOUT AND CONTROL SHEET FOR PROPOSED TEMPORARY CONSTRUCTION EASEMENT AND PROPOSED PERMANENT EASEMENT INFORMATION.

KEY NOTES

① 1' STUB

② THE CONTRACTOR SHALL PROVIDE THE TOPSOIL AT THIS LOCATION. THE CITY OF URBANA WILL PROVIDE THE LANDSCAPING.



TBM #5
NORTHEAST TOP FLANGE BOLT HEAD OF FIRE HYDRANT AT STA. 32+51.8 LT.
ELEV.= 719.07

SEEDING PAY ITEMS - 30+75 TO 34+75

CODE NO.	DESCRIPTION	UNIT	QUAN.
XX000880	SEEDING, CLASS I, SPECIAL	SQ YD	77
X0321566	MULCH, SPECIAL	SQ YD	77

TOPSOIL FURNISH AND PLACE, 6" (21101625)

LOCATION	SQ YD
SW CORNER GOODWIN AND GREEN	18
SHEET TOTAL	18

FURNISHING AND SETTING STEEL POSTS (Z0026700)

OR

LOCATION	EACH
STA. 31+63.7 RT.	1
STA. 32+03.7 RT.	1
STA. 34+18 RT.	1
SHEET TOTAL	3

SUB-BASE GRANULAR MATERIAL, TYPE B 4" (31101200) (UNDER PROPOSED COMB. CONC. CURB & GUTTER, CLASS B PATCHES AND PC CONC. BASE COURSE)

LOCATION	SQ YD
SW CORNER GOODWIN AND GREEN	80.6
SE CORNER GOODWIN AND GREEN	30.3
NW CORNER GOODWIN AND GREEN	29.7
NE CORNER GOODWIN AND GREEN	30.6
SHEET TOTAL	171.2

COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL) (60604200)

LOCATION	FOOT
SW CORNER GOODWIN AND GREEN	66.5
SE CORNER GOODWIN AND GREEN	59.0
NW CORNER GOODWIN AND GREEN	55.7
NE CORNER GOODWIN AND GREEN	60.6
SHEET TOTAL	241.8

PORTLAND CEMENT CONCRETE BASE COURSE 8" (35300300)

LOCATION	SQ YD
SW CORNER GOODWIN AND GREEN	61.7
SE CORNER GOODWIN AND GREEN	13.5
NW CORNER GOODWIN AND GREEN	13.9
NE CORNER GOODWIN AND GREEN	13.3
SHEET TOTAL	102.4

PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH (42400300)

LOCATION	SQ FT
SW CORNER GOODWIN AND GREEN	349.7
SE CORNER GOODWIN AND GREEN	359.0
NW CORNER GOODWIN AND GREEN	555.9
NE CORNER GOODWIN AND GREEN	614.5
ROADWAY LIGHTING	270.0
PARKING METER POSTS	30.0
SHEET TOTAL	2179.1

DETECTABLE WARNINGS (42400800)

LOCATION	SQ FT
SW CORNER GOODWIN AND GREEN	18.6
SE CORNER GOODWIN AND GREEN	29.3
NW CORNER GOODWIN AND GREEN	43.2
NE CORNER GOODWIN AND GREEN	50.4
SHEET TOTAL	141.5

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SITE IMPROVEMENTS PLAN

SCALE : 1"=20' | SHEET NO. 24 OF 75 SHEETS | STA. 30+75 TO STA. 34+75

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	07-00456-00-RS	CHAMPAIGN	75	24
	GOODWIN AVENUE	CONTRACT NO. 91392		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

U0070052

CONTRACT NO. 91392

SEC. 18, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS

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

FOR THE COMB CC&G TB6.12 SPL, A 1-FOOT STUB SHALL BE CONSTRUCTED PERPENDICULAR TO THE SAWED EDGE OF EXISTING PAVEMENT AT THE LOCATIONS SHOWN ON THE PLANS. SEE THE TYPICAL SECTIONS FOR ADDITIONAL INFORMATION.

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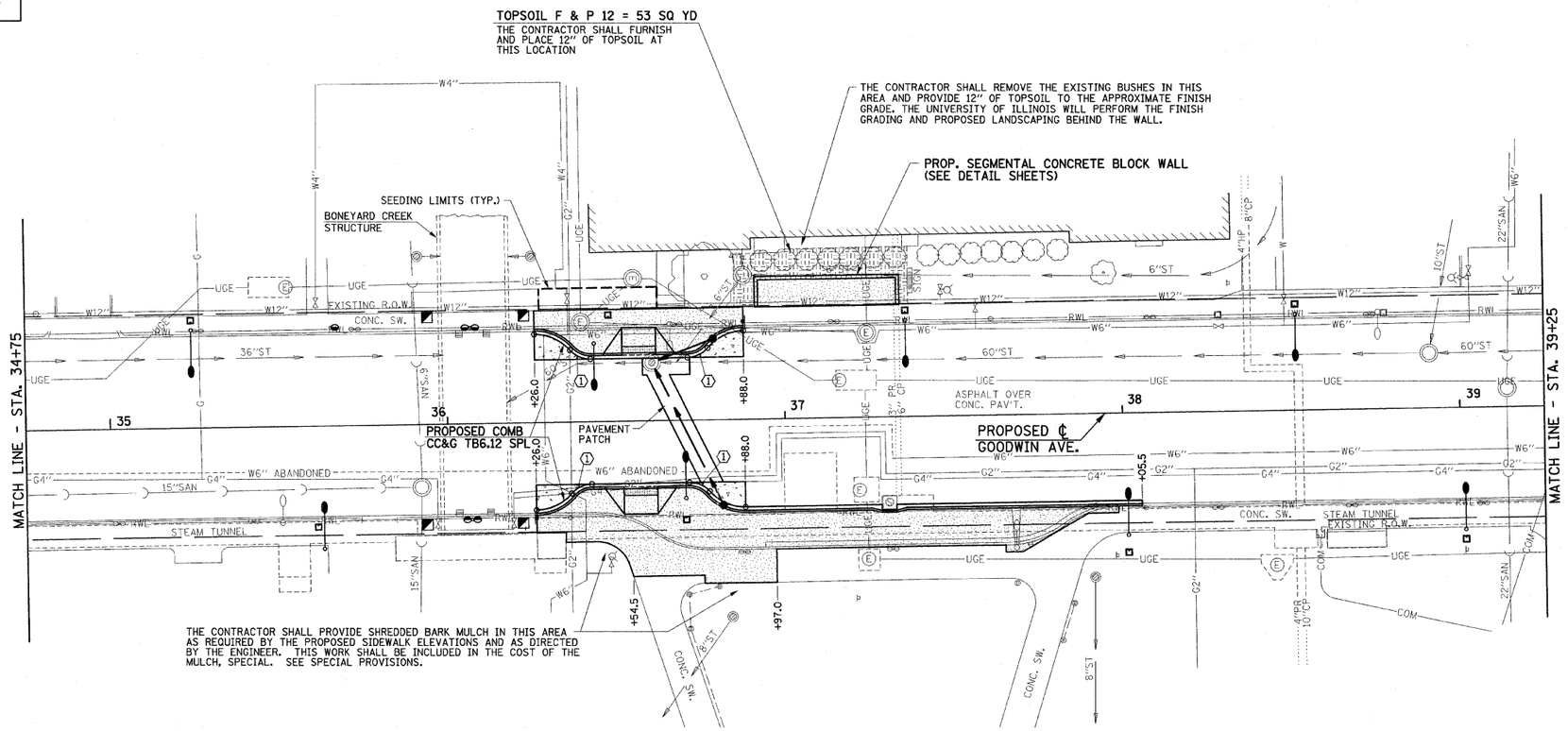
KEY NOTES

① 1' STUB



FURNISHING AND SETTING STEEL POSTS (Z0026700)

LOCATION	EACH
STA. 35+67 LT.	1
STA. 36+07 LT.	1
STA. 36+07 RT.	1
SHEET TOTAL	3

METAL POST - TYPE B (72900200)

LOCATION	FOOT
STA. 36+26 RT.	12
STA. 36+88 LT.	12
SHEET TOTAL	24

SUB-BASE GRANULAR MATERIAL, TYPE B 4" (31101200)

(UNDER PROPOSED COMB. CONC. CURB & GUTTER, CLASS B PATCHES AND PC CONC. BASE COURSE)

LOCATION	SQ YD
WEST SIDE OF GOODWIN	52.3
EAST SIDE OF GOODWIN	81.5
SHEET TOTAL	133.8

AGGREGATE BASE COURSE, TYPE B (35101400)

(UNDER PR. SIDEWALK BETWEEN PR. BACK OF CURB & EX. BACK OF CURB AND BRICK PAVER SIDEWALKS WITHOUT CONC. BASE)

LOCATION	TON
WEST SIDE OF GOODWIN	16.4
EAST SIDE OF GOODWIN	83.8
SHEET TOTAL	100.2

COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL) (60604200)

LOCATION	FOOT
WEST SIDE OF GOODWIN	66.4
EAST SIDE OF GOODWIN	184.0
SHEET TOTAL	250.4

PORTLAND CEMENT CONCRETE BASE COURSE 8" (35300300)

LOCATION	SQ YD
WEST SIDE OF GOODWIN	15.4
EAST SIDE OF GOODWIN	15.1
SHEET TOTAL	30.5

PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH (42400300)

LOCATION	SQ FT
WEST SIDE OF GOODWIN	991.9
EAST SIDE OF GOODWIN	2357.9
ROADWAY LIGHTING	340.0
PARKING METER POSTS	100.0
SHEET TOTAL	3789.8

DETECTABLE WARNINGS (42400800)

LOCATION	SQ FT
WEST SIDE OF GOODWIN	20.0
EAST SIDE OF GOODWIN	20.0
SHEET TOTAL	40.0

SEGMENTAL CONCRETE BLOCK WALL (X0322923)

LOCATION	SQ FT
WEST SIDE OF GOODWIN	155
SHEET TOTAL	155

SEEDING PAY ITEMS - 34+75 TO 39+25

CODE NO.	DESCRIPTION	UNIT	QUAN.
XX000880	SEEDING, CLASS 1, SPECIAL	SQ YD	50
X0321566	MULCH, SPECIAL	SQ YD	50

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DATE - 01-2009	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SITE IMPROVEMENTS PLAN

SCALE : 1"=20' | SHEET NO. 25 OF 75 SHEETS | STA. 34+75 TO STA. 39+25

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	07-00456-00-RS	CHAMPAIGN	75	25
	GOODWIN AVENUE	CONTRACT NO. 91392		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

U0070052

CONTRACT NO. 91392

FOR THE COMB CC&G TB6.12 SPL, A 1-FOOT STUB SHALL BE CONSTRUCTED PERPENDICULAR TO THE SAWED EDGE OF EXISTING PAVEMENT AT THE LOCATIONS SHOWN ON THE PLANS. SEE THE TYPICAL SECTIONS FOR ADDITIONAL INFORMATION.

THE LIMITS OF SIDEWALK INSTALLATION, BRICK PAVER INSTALLATION, AND SEEDING ARE NOT SHOWN FOR THE REMOVAL AND/OR INSTALLATION OF LIGHT POLES, JUNCTION BOXES, OR PARKING METERS. QUANTITIES FOR THIS WORK ARE INCLUDED ON THE PLANS.

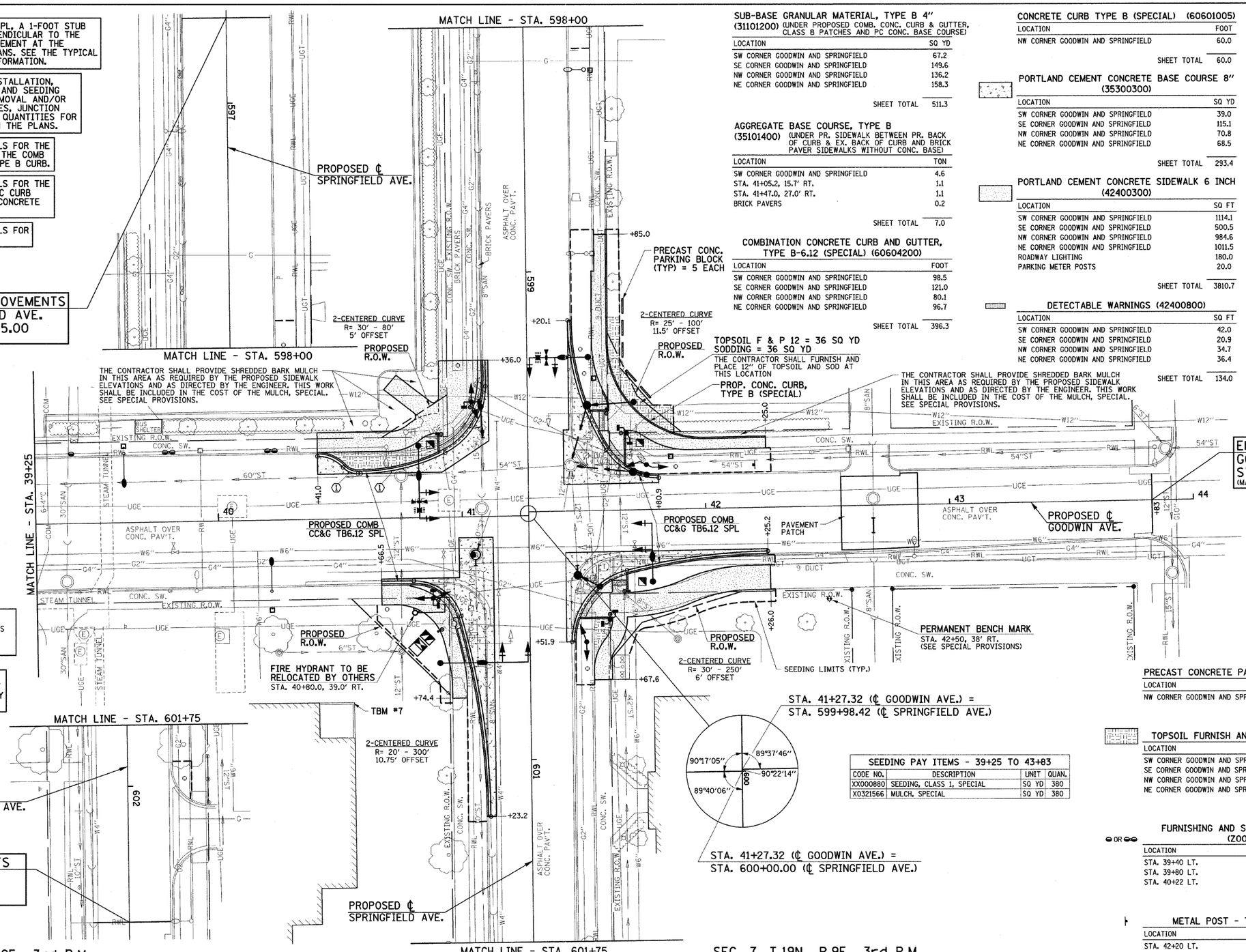
SEE THE INTERSECTION DETAILS FOR THE PROPOSED CURB HEIGHTS FOR THE COMB CC&G TB6.12 SPL AND THE TYPE B CURB.

SEE THE INTERSECTION DETAILS FOR THE LOCATIONS OF THE MONOLITHIC CURB ADJACENT TO THE PROPOSED CONCRETE SIDEWALK.

SEE THE INTERSECTION DETAILS FOR ADDITIONAL INFORMATION.

KEY NOTES

① 1' STUB



TBM #7
CHISELED SQUARE IN TOP OF ACCESS WELL WALL. STA. 40+55, 75' RT. ELEV.= 723.27

SEE HORIZONTAL ALIGNMENT LAYOUT AND CONTROL SHEET FOR PROPOSED RIGHT-OF-WAY (LICENSE) INFORMATION.

SEC. 18, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS

SEC. 7, T.19N., R.9E., 3rd P.M.
CHAMPAIGN COUNTY, ILLINOIS

N

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

SUB-BASE GRANULAR MATERIAL, TYPE B 4" (31101200)
(UNDER PROPOSED COMB. CONC. CURB & GUTTER, CLASS B PATCHES AND PC CONC. BASE COURSE)

LOCATION	SQ YD
SW CORNER GOODWIN AND SPRINGFIELD	67.2
SE CORNER GOODWIN AND SPRINGFIELD	149.6
NW CORNER GOODWIN AND SPRINGFIELD	136.2
NE CORNER GOODWIN AND SPRINGFIELD	158.3
SHEET TOTAL	511.3

AGGREGATE BASE COURSE, TYPE B (35101400)
(UNDER PR. SIDEWALK BETWEEN PR. BACK OF CURB & EX. BACK OF CURB AND BRICK PAVER SIDEWALKS WITHOUT CONC. BASE)

LOCATION	TON
SW CORNER GOODWIN AND SPRINGFIELD	4.6
STA. 41+05.2, 15.7' RT.	1.1
STA. 41+47.0, 27.0' RT.	1.1
BRICK PAVERS	0.2
SHEET TOTAL	7.0

COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL) (60604200)

LOCATION	FOOT
SW CORNER GOODWIN AND SPRINGFIELD	98.5
SE CORNER GOODWIN AND SPRINGFIELD	121.0
NW CORNER GOODWIN AND SPRINGFIELD	80.1
NE CORNER GOODWIN AND SPRINGFIELD	96.7
SHEET TOTAL	396.3

CONCRETE CURB TYPE B (SPECIAL) (60601005)

LOCATION	FOOT
NW CORNER GOODWIN AND SPRINGFIELD	60.0
SHEET TOTAL	60.0

PORTLAND CEMENT CONCRETE BASE COURSE 8" (35300300)

LOCATION	SQ YD
SW CORNER GOODWIN AND SPRINGFIELD	39.0
SE CORNER GOODWIN AND SPRINGFIELD	115.1
NW CORNER GOODWIN AND SPRINGFIELD	70.8
NE CORNER GOODWIN AND SPRINGFIELD	68.5
SHEET TOTAL	293.4

PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH (42400300)

LOCATION	SQ FT
SW CORNER GOODWIN AND SPRINGFIELD	1114.1
SE CORNER GOODWIN AND SPRINGFIELD	500.5
NW CORNER GOODWIN AND SPRINGFIELD	984.6
NE CORNER GOODWIN AND SPRINGFIELD	1011.5
ROADWAY LIGHTING	180.0
PARKING METER POSTS	20.0
SHEET TOTAL	3810.7

DETECTABLE WARNINGS (42400800)

LOCATION	SQ FT
SW CORNER GOODWIN AND SPRINGFIELD	42.0
SE CORNER GOODWIN AND SPRINGFIELD	20.9
NW CORNER GOODWIN AND SPRINGFIELD	34.7
NE CORNER GOODWIN AND SPRINGFIELD	36.4
SHEET TOTAL	134.0

SEEDING PAY ITEMS - 39+25 TO 43+83

CODE NO.	DESCRIPTION	UNIT	QUAN.
XX000880	SEEDING, CLASS 1, SPECIAL	SQ YD	380
X0321566	MULCH, SPECIAL	SQ YD	380

PRECAST CONCRETE PARKING BLOCK (X0301430)

LOCATION	EACH
NW CORNER GOODWIN AND SPRINGFIELD	5
SHEET TOTAL	5

TOPSOIL FURNISH AND PLACE, 6" (21101625)

LOCATION	SQ YD
SW CORNER GOODWIN AND SPRINGFIELD	32
SE CORNER GOODWIN AND SPRINGFIELD	5
NW CORNER GOODWIN AND SPRINGFIELD	18
NE CORNER GOODWIN AND SPRINGFIELD	8
SHEET TOTAL	63

FURNISHING AND SETTING STEEL POSTS (Z0026700)

LOCATION	EACH
STA. 39+40 LT.	1
STA. 39+80 LT.	1
STA. 40+22 LT.	1
SHEET TOTAL	3

METAL POST - TYPE B (72900200)

LOCATION	FOOT
STA. 42+20 LT.	12
SHEET TOTAL	12

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DESIGNED	- JAJ	REVISED	-
DRAWN	- JRM	REVISED	-
CHECKED	- RLH	REVISED	-
DATE	- 01-2009	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SITE IMPROVEMENTS PLAN

SCALE : 1"=20' | SHEET NO. 26 OF 75 SHEETS | STA. 39+25 TO STA. 43+83

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	07-00456-00-RS	CHAMPAIGN	75	26
	GOODWIN AVENUE	CONTRACT NO. 91392		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

U0070052

CONTRACT NO. 91392

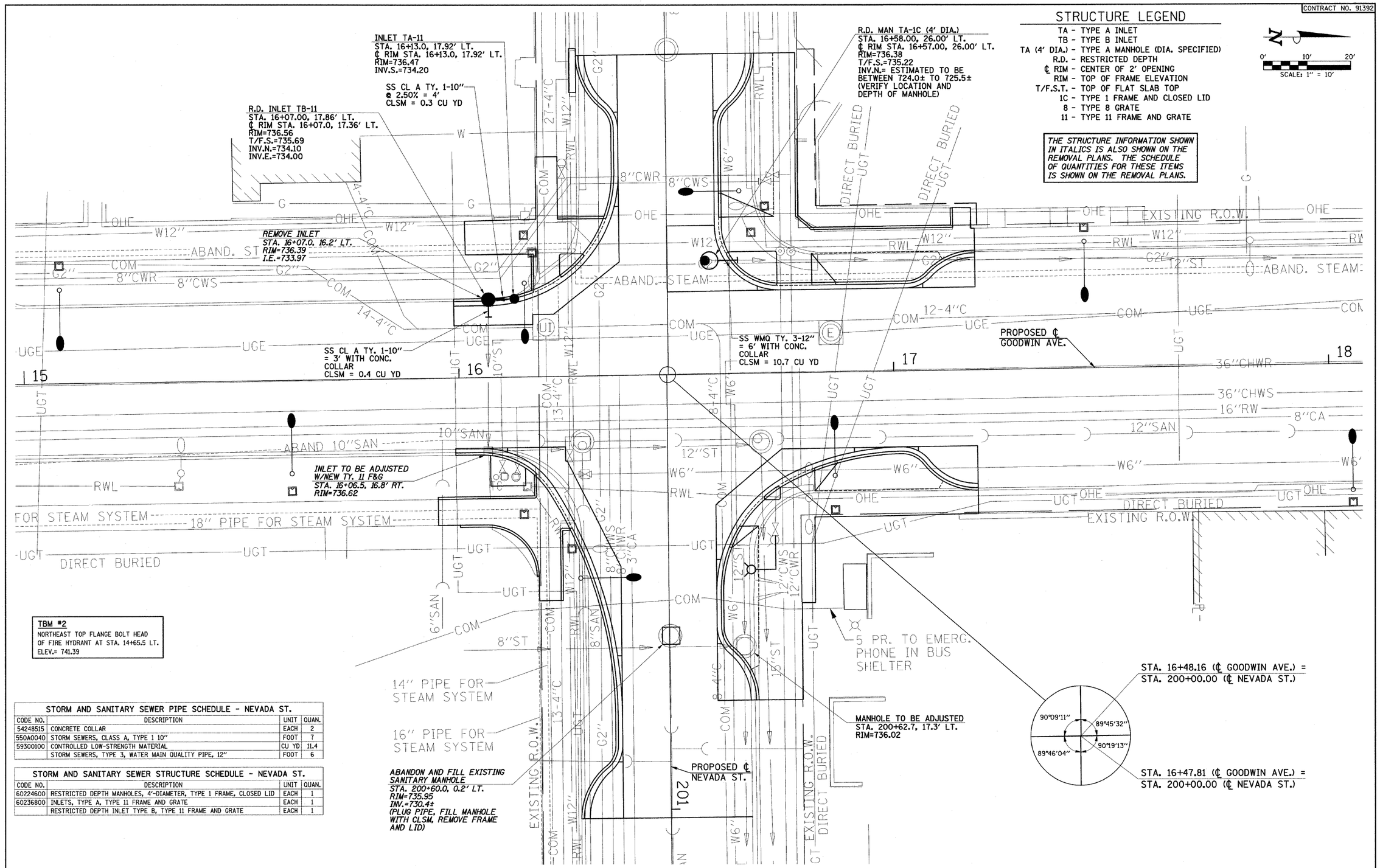
STRUCTURE LEGEND

TA - TYPE A INLET
TB - TYPE B INLET
TA (4' DIA.) - TYPE A MANHOLE (DIA. SPECIFIED)
R.D. - RESTRICTED DEPTH
℄ RIM - CENTER OF 2' OPENING
RIM - TOP OF FRAME ELEVATION
T/F.S.T. - TOP OF FLAT SLAB TOP
1C - TYPE 1 FRAME AND CLOSED LID
8 - TYPE 8 GRATE
11 - TYPE 11 FRAME AND GRATE

THE STRUCTURE INFORMATION SHOWN IN ITALICS IS ALSO SHOWN ON THE REMOVAL PLANS. THE SCHEDULE OF QUANTITIES FOR THESE ITEMS IS SHOWN ON THE REMOVAL PLANS.

N

0' 10' 20'
SCALE: 1" = 10'



STORM AND SANITARY SEWER PIPE SCHEDULE - NEVADA ST.

CODE NO.	DESCRIPTION	UNIT	QUAN.
54248515	CONCRETE COLLAR	EACH	2
550A0040	STORM SEWERS, CLASS A, TYPE 1 10"	FOOT	7
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	11.4
	STORM SEWERS, TYPE 3, WATER MAIN QUALITY PIPE, 12"	FOOT	6

STORM AND SANITARY SEWER STRUCTURE SCHEDULE - NEVADA ST.

CODE NO.	DESCRIPTION	UNIT	QUAN.
60224600	RESTRICTED DEPTH MANHOLES, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1
60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	1
	RESTRICTED DEPTH INLET TYPE B, TYPE 11 FRAME AND GRATE	EACH	1

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1/12/2009 7:46:31 PM

DESIGNED - RLH	REVISED -	
DRAWN - JRM	REVISED -	
CHECKED - JAJ	REVISED -	
DATE - 01-2009	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN

SCALE : 1"=10' | SHEET NO. 27 OF 75 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	07-00456-00-RS	CHAMPAIGN	75	27
	GOODWIN AVENUE	CONTRACT NO. 91392		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

U0070052

CONTRACT NO. 91392

STORM AND SANITARY SEWER PIPE SCHEDULE - OREGON ST.			
CODE NO.	DESCRIPTION	UNIT	QUAN.
54248515	CONCRETE COLLAR	EACH	2
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	13
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	25.9
X0321905	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 12"	FOOT	106
X0321908	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 15"	FOOT	4

STORM AND SANITARY SEWER STRUCTURE SCHEDULE - OREGON ST.			
CODE NO.	DESCRIPTION	UNIT	QUAN.
60224600	RESTRICTED DEPTH MANHOLES, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1
60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	2
	RESTRICTED DEPTH INLET TYPE B, TYPE 11 FRAME AND GRATE	EACH	1

STRUCTURE LEGEND

TA - TYPE A INLET
TB - TYPE B INLET
TA (4' DIA.) - TYPE A MANHOLE (DIA. SPECIFIED)
R.D. - RESTRICTED DEPTH
℄ RIM - CENTER OF 2' OPENING
RIM - TOP OF FRAME ELEVATION
T/F.S.T. - TOP OF FLAT SLAB TOP
1C - TYPE 1 FRAME AND CLOSED LID
8 - TYPE 8 GRATE
11 - TYPE 11 FRAME AND GRATE

N
0' 10' 20'
SCALE: 1" = 10'

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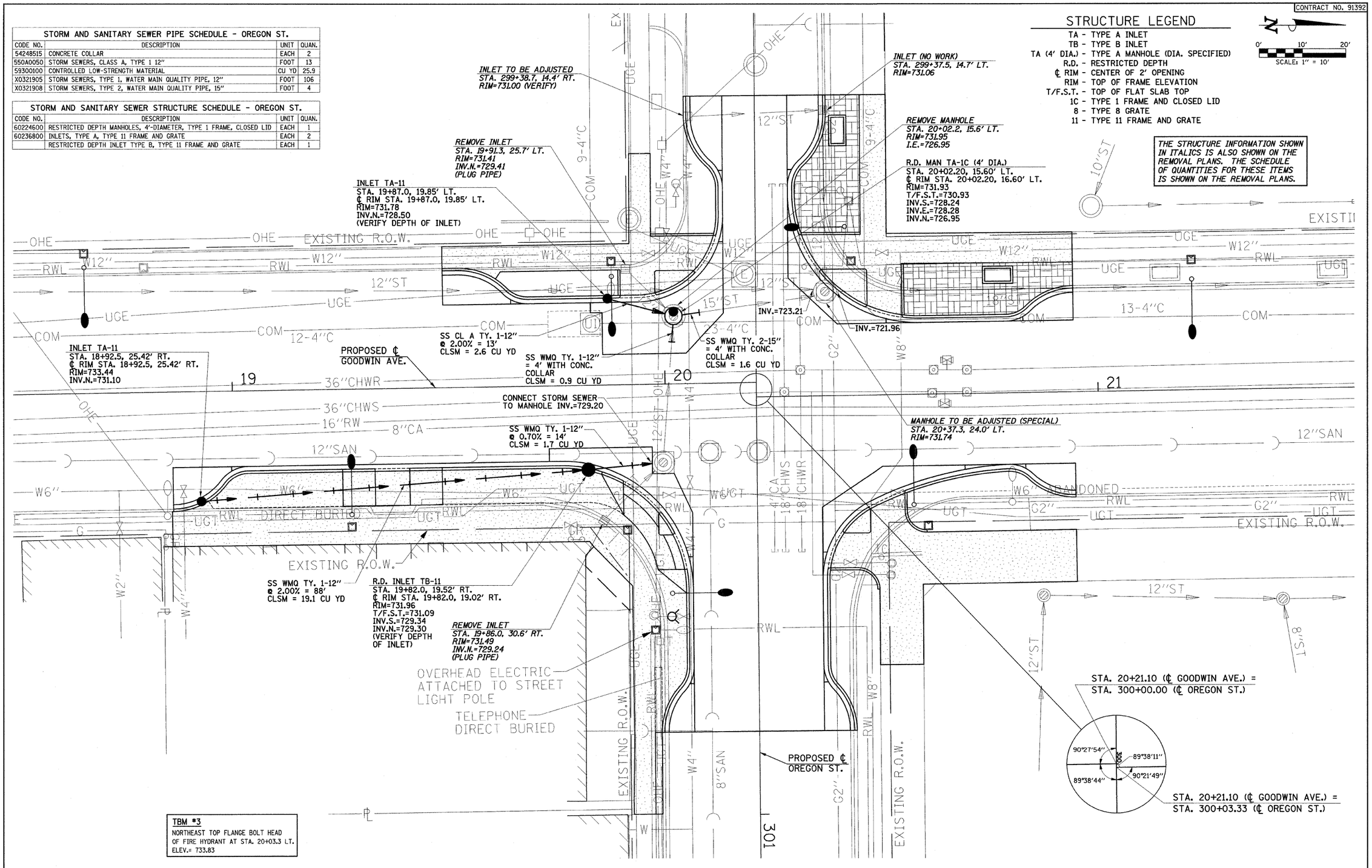

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	CHECKED - JAJ	REVISED -	
	DATE - 01-2009	REVISED -	

DRAINAGE PLAN

SCALE : 1"=10' | SHEET NO. 28 OF 75 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	07-00456-00-RS	CHAMPAIGN	75	28
	GOODWIN AVENUE	CONTRACT NO. 91392		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

U0070052

CONTRACT NO. 91392

STORM AND SANITARY SEWER PIPE SCHEDULE - MIDBLOCK			
CODE NO.	DESCRIPTION	UNIT	QUAN.
54248515	CONCRETE COLLAR	EACH	4
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	62
550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	8
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	32.7

STORM AND SANITARY SEWER STRUCTURE SCHEDULE - MIDBLOCK			
CODE NO.	DESCRIPTION	UNIT	QUAN.
60225110	RESTRICTED DEPTH MANHOLES, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	2
60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	1

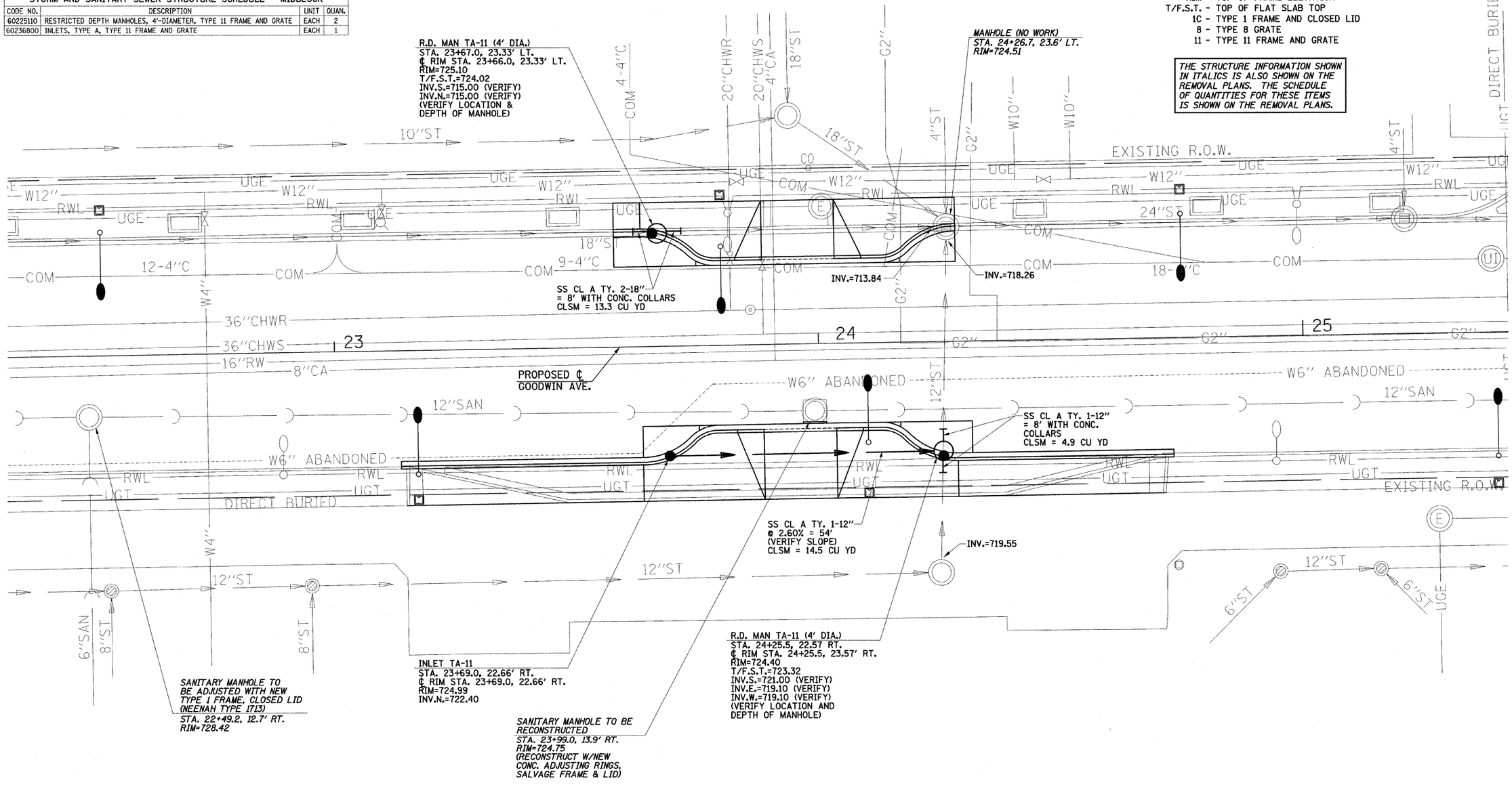
STRUCTURE LEGEND

TA - TYPE A INLET
TB - TYPE B INLET
TA (4' DIA.) - TYPE A MANHOLE (DIA. SPECIFIED)
R.D. - RESTRICTED DEPTH
℄ RIM - CENTER OF 2' OPENING
RIM - TOP OF FRAME ELEVATION
T/F.S.T. - TOP OF FLAT SLAB TOP
1C - TYPE 1 FRAME AND CLOSED LID
8 - TYPE 8 GRATE
11 - TYPE 11 FRAME AND GRATE

THE STRUCTURE INFORMATION SHOWN IN ITALICS IS ALSO SHOWN ON THE REMOVAL PLANS. THE SCHEDULE OF QUANTITIES FOR THESE ITEMS IS SHOWN ON THE REMOVAL PLANS.

N

0' 10' 20'
SCALE: 1" = 10'



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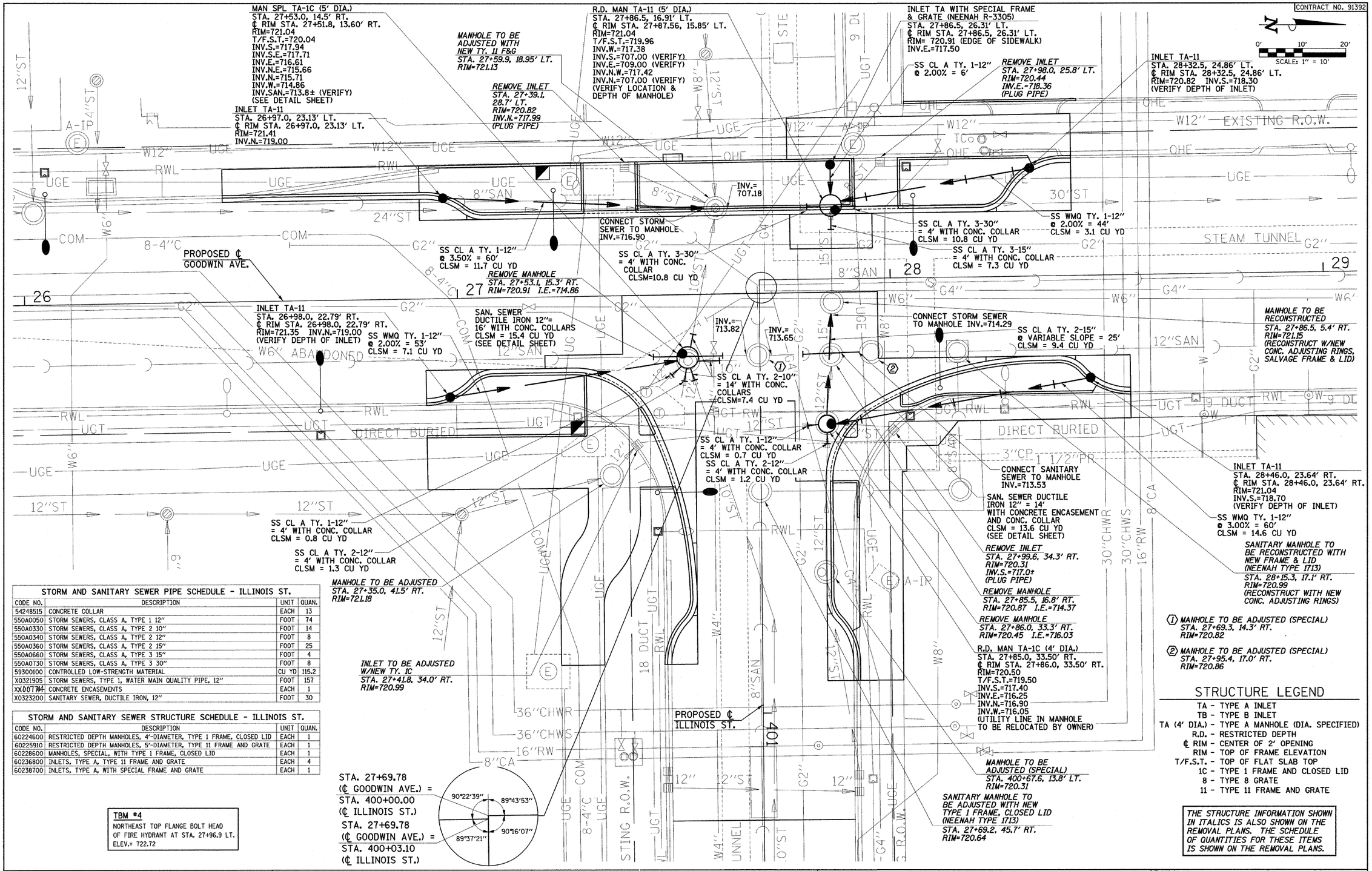
PLOT DATE = 1/12/2009 7:46:33 PM	DRAWN - JRM	REVISED -			7175	07-00456-00-RS	CHAMPAIGN	75 / 29
	CHECKED - JAJ	REVISED -				GOODWIN AVENUE	CONTRACT NO. 91392	
	DATE - 01-2009	REVISED -		SCALE : 1"=10' / SHEET NO. 29 OF 75 SHEETS / STA. / TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

U0070052

CONTRACT NO. 91392



STORM AND SANITARY SEWER PIPE SCHEDULE - ILLINOIS ST.

CODE NO.	DESCRIPTION	UNIT	QUAN.
54248515	CONCRETE COLLAR	EACH	13
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	74
550A0330	STORM SEWERS, CLASS A, TYPE 2 10"	FOOT	14
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	8
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	25
550A0660	STORM SEWERS, CLASS A, TYPE 3 15"	FOOT	4
550A0730	STORM SEWERS, CLASS A, TYPE 3 30"	FOOT	8
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	115.2
X0321905	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 12"	FOOT	157
XX0077[illegible]	CONCRETE ENCASEMENTS	EACH	1
X0323200	SANITARY SEWER, DUCTILE IRON, 12"	FOOT	30

STORM AND SANITARY SEWER STRUCTURE SCHEDULE - ILLINOIS ST.

CODE NO.	DESCRIPTION	UNIT	QUAN.
60224600	RESTRICTED DEPTH MANHOLES, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1
60225910	RESTRICTED DEPTH MANHOLES, 5'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	1
60228600	MANHOLES, SPECIAL, WITH TYPE 1 FRAME, CLOSED LID	EACH	1
60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	4
60238700	INLETS, TYPE A, WITH SPECIAL FRAME AND GRATE	EACH	1

TBM #4
NORTHEAST TOP FLANGE BOLT HEAD OF FIRE HYDRANT AT STA. 27+96.9 LT.
ELEV.= 722.72

STRUCTURE LEGEND

TA - TYPE A INLET
TB - TYPE B INLET
TA (4' DIA.) - TYPE A MANHOLE (DIA. SPECIFIED)
R.D. - RESTRICTED DEPTH
℄ RIM - CENTER OF 2' OPENING
RIM - TOP OF FRAME ELEVATION
T/F.S.T. - TOP OF FLAT SLAB TOP
1C - TYPE 1 FRAME AND CLOSED LID
8 - TYPE 8 GRATE
11 - TYPE 11 FRAME AND GRATE

THE STRUCTURE INFORMATION SHOWN IN ITALICS IS ALSO SHOWN ON THE REMOVAL PLANS. THE SCHEDULE OF QUANTITIES FOR THESE ITEMS IS SHOWN ON THE REMOVAL PLANS.

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	CHECKED - JAJ	REVISED -	
	DATE - 01-2009	REVISED -	

DRAINAGE PLAN

SCALE : 1"=10' | SHEET NO. 30 OF 75 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	07-00456-00-RS	CHAMPAIGN	75	30
	GOODWIN AVENUE	CONTRACT NO. 91392		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

U0070052

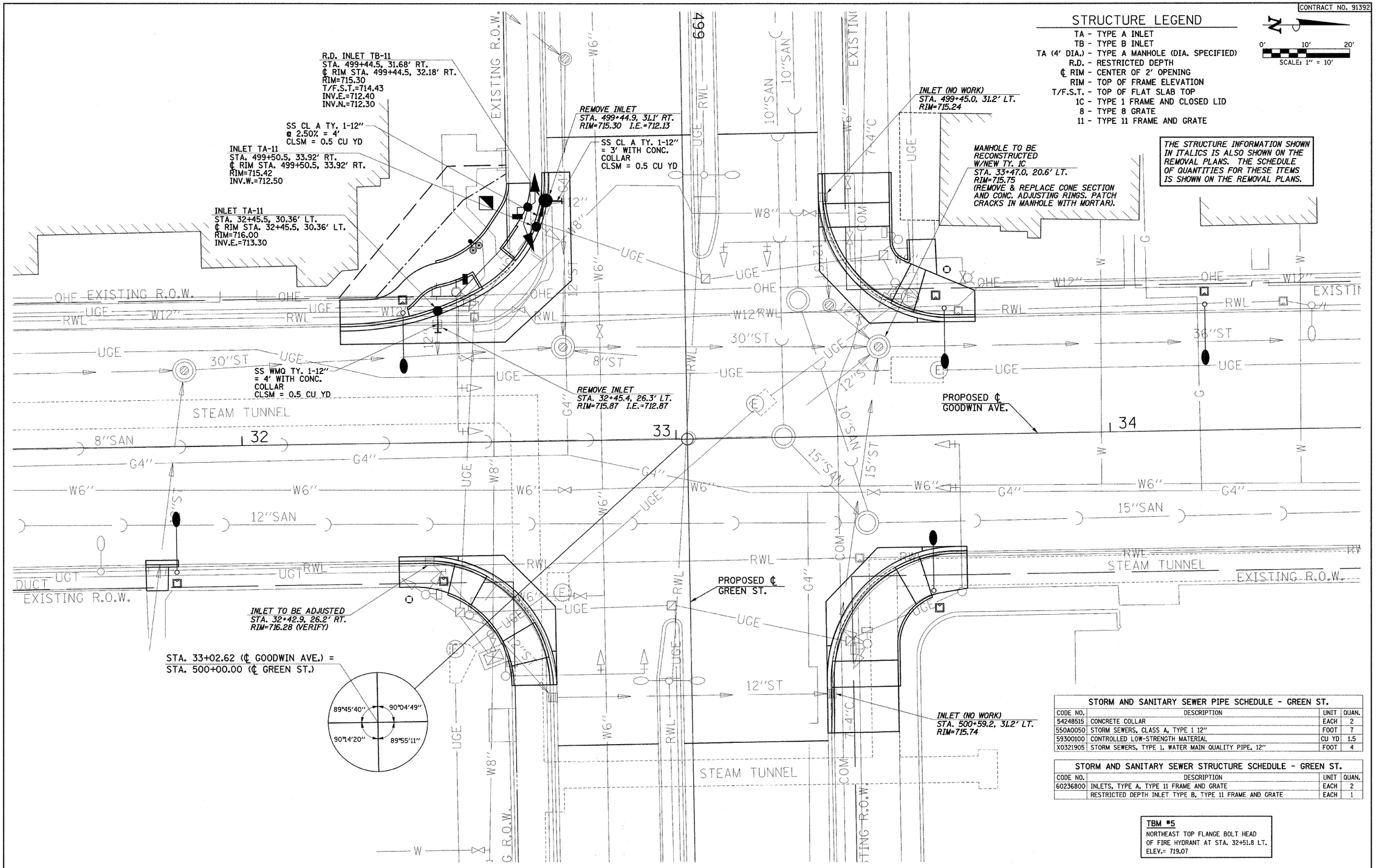
CONTRACT NO. 91392

STRUCTURE LEGEND

TA - TYPE A INLET
TB - TYPE B INLET
TA (4' DIA.) - TYPE A MANHOLE (DIA. SPECIFIED)
R.D. - RESTRICTED DEPTH
℄ RIM - CENTER OF 2' OPENING
RIM - TOP OF FRAME ELEVATION
T/F.S.T. - TOP OF FLAT SLAB TOP
1C - TYPE 1 FRAME AND CLOSED LID
8 - TYPE 8 GRATE
11 - TYPE 11 FRAME AND GRATE

N
0' 10' 20'
SCALE: 1" = 10'

THE STRUCTURE INFORMATION SHOWN IN ITALICS IS ALSO SHOWN ON THE REMOVAL PLANS. THE SCHEDULE OF QUANTITIES FOR THESE ITEMS IS SHOWN ON THE REMOVAL PLANS.



STORM AND SANITARY SEWER PIPE SCHEDULE - GREEN ST.			
CODE NO.	DESCRIPTION	UNIT	QUAN.
54248515	CONCRETE COLLAR	EACH	2
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	7
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	1.5
X0321905	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 12"	FOOT	4

STORM AND SANITARY SEWER STRUCTURE SCHEDULE - GREEN ST.			
CODE NO.	DESCRIPTION	UNIT	QUAN.
60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	2
	RESTRICTED DEPTH INLET TYPE B, TYPE 11 FRAME AND GRATE	EACH	1

TBM #5
NORTHEAST TOP FLANGE BOLT HEAD
OF FIRE HYDRANT AT STA. 32+51.8 LT.
ELEV.= 719.07

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PLOT DATE = 1/12/2009 7:46:35 PM	DRAWN - JRM	REVISED -	
	CHECKED - JAJ	REVISED -	
	DATE - 01-2009	REVISED -	

DRAINAGE PLAN

SCALE : 1"=10' | SHEET NO. 31 OF 75 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	07-00456-00-RS	CHAMPAIGN	75	31
	GOODWIN AVENUE	CONTRACT NO. 91392		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

U0070052

CONTRACT NO. 91392

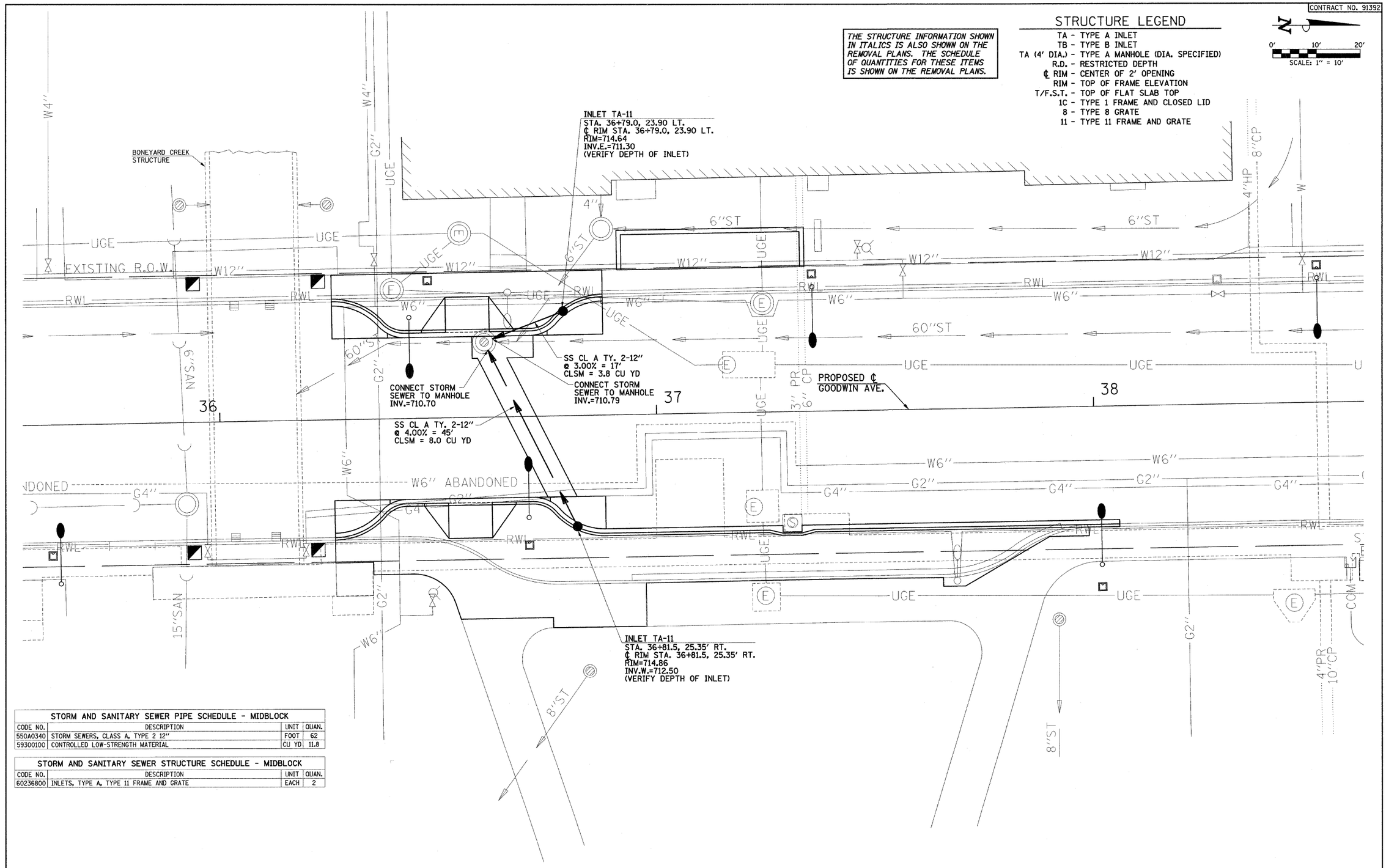
THE STRUCTURE INFORMATION SHOWN IN ITALICS IS ALSO SHOWN ON THE REMOVAL PLANS. THE SCHEDULE OF QUANTITIES FOR THESE ITEMS IS SHOWN ON THE REMOVAL PLANS.

STRUCTURE LEGEND

TA - TYPE A INLET
TB - TYPE B INLET
TA (4' DIA.) - TYPE A MANHOLE (DIA. SPECIFIED)
R.D. - RESTRICTED DEPTH
℄ RIM - CENTER OF 2' OPENING
RIM - TOP OF FRAME ELEVATION
T/F.S.T. - TOP OF FLAT SLAB TOP
1C - TYPE 1 FRAME AND CLOSED LID
8 - TYPE 8 GRATE
11 - TYPE 11 FRAME AND GRATE

N

0' 10' 20'
SCALE: 1" = 10'



STORM AND SANITARY SEWER PIPE SCHEDULE - MIDBLOCK			
CODE NO.	DESCRIPTION	UNIT	QUAN.
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	62
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	11.8

STORM AND SANITARY SEWER STRUCTURE SCHEDULE - MIDBLOCK			
CODE NO.	DESCRIPTION	UNIT	QUAN.
60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	2

FILE NAME =
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1/12/2009 7:46:35 PM

DESIGNED - RLH	REVISED -	
DRAWN - JRM	REVISED -	
CHECKED - JAJ	REVISED -	
DATE - 01-2009	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN

SCALE : 1"=10' | SHEET NO. 32 OF 75 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	07-00456-00-RS	CHAMPAIGN	75	32
	GOODWIN AVENUE	CONTRACT NO. 91392		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

U0070052

CONTRACT NO. 91392

STORM AND SANITARY SEWER PIPE SCHEDULE - SPRINGFIELD AVE.			
CODE NO.	DESCRIPTION	UNIT	QUAN.
54248515	CONCRETE COLLAR	EACH	4
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	38
550A0330	STORM SEWERS, CLASS A, TYPE 2 10"	FOOT	6
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	24.7
X0321905	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 12"	FOOT	40
X0321906	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 15"	FOOT	12

STORM AND SANITARY SEWER STRUCTURE SCHEDULE - SPRINGFIELD AVE.			
CODE NO.	DESCRIPTION	UNIT	QUAN.
60224600	RESTRICTED DEPTH MANHOLES, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	1
60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	3
XX004735	RESTRICTED DEPTH INLET TYPE B, TYPE 1 FRAME, CLOSED LID	EACH	1
	RESTRICTED DEPTH INLET TYPE B, TYPE 11 FRAME AND GRATE	EACH	2

STRUCTURE LEGEND

TA - TYPE A INLET
TB - TYPE B INLET
TA (4' DIA.) - TYPE A MANHOLE (DIA. SPECIFIED)
R.D. - RESTRICTED DEPTH
℄ RIM - CENTER OF 2' OPENING
RIM - TOP OF FRAME ELEVATION
T/F.S.T. - TOP OF FLAT SLAB TOP
1C - TYPE 1 FRAME AND CLOSED LID
8 - TYPE 8 GRATE
11 - TYPE 11 FRAME AND GRATE

THE STRUCTURE INFORMATION SHOWN IN ITALICS IS ALSO SHOWN ON THE REMOVAL PLANS. THE SCHEDULE OF QUANTITIES FOR THESE ITEMS IS SHOWN ON THE REMOVAL PLANS.

N
0' 10' 20'
SCALE: 1" = 10'

INLET TA-11
STA. 41+76.0, 14.27' LT.
℄ RIM STA. 41+76.0, 14.27' LT.
RIM=724.12
INV.S.=721.20

R.D. INLET TB-11
STA. 41+70.5, 15.6' LT.
℄ RIM STA. 41+70.5, 16.1' LT.
RIM=724.10
T/F.S.T.=723.02
INV.N.=720.80
INV.S.=720.76
(VERIFY DEPTH OF INLET)

INLET TA-8
STA. 41+71.24, 44.23' LT.
℄ RIM STA. 41+71.24, 44.23' LT.
RIM=726.10
INV.S.=721.43
(VERIFY DEPTH OF INLET)

SS WMQ TY. 1-12"
@ 0.50% = 17'
CLSM = 5.5 CU YD

SS CL A TY. 1-12"
@ 10.00% = 4'
CLSM = 0.5 CU YD

SS CL A TY. 1-12"
@ 2.00% = 23'
CLSM = 5.1 CU YD

MANHOLE TO BE ADJUSTED
STA. 41+64.2, 30.6' RT.
RIM=723.68

INLET TA-11
STA. 41+56.0, 31.18' RT.
℄ RIM STA. 41+56.0, 31.18' RT.
RIM=723.39
INV.SW=720.40

SS CL A TY. 1-12"
@ 5.00% = 8'
CLSM = 1.3 CU YD

R.D. INLET TB-11
STA. 599+55.0, 24.44' LT.
℄ RIM STA. 599+55.0, 23.94' LT.
RIM=724.46
T/F.S.T.=723.38
INV.N.=721.34
INV.E.=721.30
(VERIFY DEPTH OF INLET)

SS WMQ TY. 1-12"
@ 10.00% = 23'
CLSM = 6.3 CU YD

CONNECT STORM SEWER TO MANHOLE
INV.=720.30

SS CL A TY. 1-12"
= 3' WITH CONC. COLLAR
CLSM = 0.6 CU YD

R.D. INLET TB-1C
STA. 41+47.0, 26.5' RT.
℄ RIM STA. 41+47.0, 27.0' RT.
RIM=723.46
T/F.S.T.=722.38
INV.NE=720.00
INV.W.=719.96

REMOVE INLET
STA. 41+47.0, 26.4' RT.
RIM=723.38
I.E.=719.96

PROPOSED ℄
SPRINGFIELD AVE.

MANHOLE TO BE ADJUSTED (SPECIAL)
STA. 41+44.8, 18.8' LT.
RIM=724.33

CONNECT STORM SEWER TO MANHOLE
INV.=719.00

REMOVE INLET
STA. 41+49.3, 18.1' LT.
RIM=723.66
INV.S.=719.99
(PLUG PIPE)

SS CL A TY. 2-10"
= 6' WITH CONC. COLLARS
CLSM = 2.6 CU YD

REMOVE MANHOLE
STA. 41+05.2, 15.7' RT.
RIM=723.68
I.E.=717.68

INLET TA-11
STA. 599+55.0, 19.21' RT.
℄ RIM STA. 599+55.0, 19.21' RT.
RIM=724.39
INV.E.=721.00

SS WMQ TY. 1-15"
@ 7.00% = 12'
WITH CONC. COLLAR
CLSM = 2.8 CU YD

REMOVE INLET
STA. 41+08.2, 36.0' LT.
RIM=724.23 I.E.=720.15

REMOVE INLET
STA. 41+02.0, 36.7' LT.
RIM=723.94
INV.N.=721.61
(PLUG PIPE)

MANHOLE TO BE ADJUSTED W/NEW TY. 1C
STA. 40+75.2, 17.3' LT.
RIM=722.86

R.D. MAN TA-1C (4' DIA.)
STA. 41+05.2, 15.67' RT.
℄ RIM STA. 41+04.2, 15.67' RT.
RIM=723.70
T/F.S.T.=722.62
INV.NW=717.76 (VERIFY)
INV.E.=717.68 (VERIFY)

PROPOSED ℄
GOODWIN AVE.

STA. 41+27.32 (℄ GOODWIN AVE.) =
STA. 599+98.42 (℄ SPRINGFIELD AVE.)

STA. 41+27.32 (℄ GOODWIN AVE.) =
STA. 600+00.00 (℄ SPRINGFIELD AVE.)

89°37'46"
90°22'14"
600
89°40'06"
90°17'05"

TBM #7
CHISELED SQUARE IN TOP OF ACCESS WELL WALL. STA. 40+55, 75' RT.
ELEV.= 723.27

FILE NAME = p:\u0070052\plans\sheets\27-Drainage.dgn	DESIGNED - RLH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
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	CHECKED - JAJ	REVISED -	
	DATE - 01-2009	REVISED -	

DRAINAGE PLAN

SCALE : 1"=10' | SHEET NO. 33 OF 75 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	07-00456-00-RS	CHAMPAIGN	75	33
	GOODWIN AVENUE	CONTRACT NO. 91392		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

U0070052

CONTRACT NO. 91392

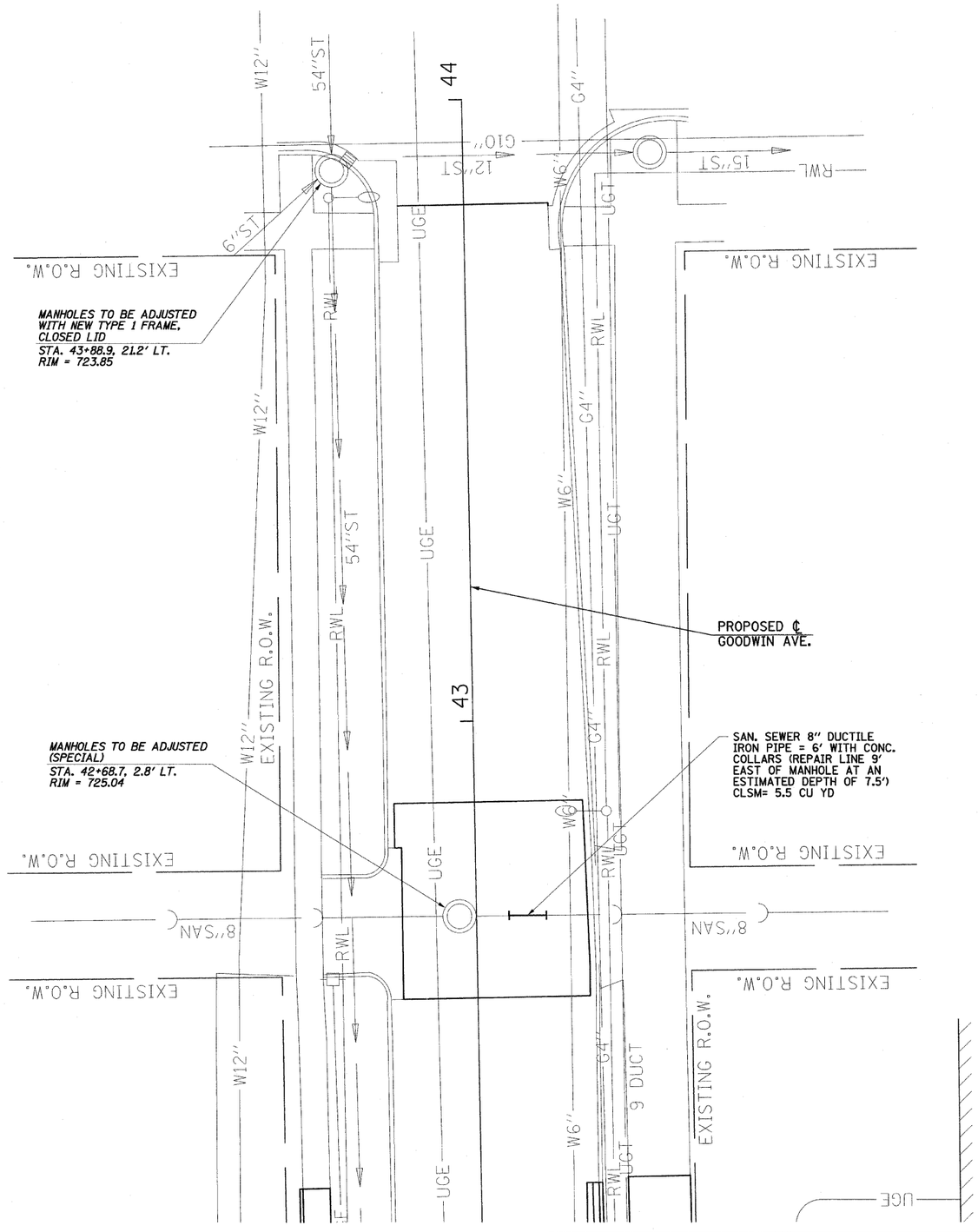
STRUCTURE LEGEND

TA - TYPE A INLET
TB - TYPE B INLET
TA (4' DIA.) - TYPE A MANHOLE (DIA. SPECIFIED)
R.D. - RESTRICTED DEPTH
℄ RIM - CENTER OF 2' OPENING
RIM - TOP OF FRAME ELEVATION
T/F.S.T. - TOP OF FLAT SLAB TOP
1C - TYPE 1 FRAME AND CLOSED LID
8 - TYPE 8 GRATE
11 - TYPE 11 FRAME AND GRATE

THE STRUCTURE INFORMATION SHOWN IN ITALICS IS ALSO SHOWN ON THE REMOVAL PLANS. THE SCHEDULE OF QUANTITIES FOR THESE ITEMS IS SHOWN ON THE REMOVAL PLANS.

N

0' 10' 20'
SCALE: 1" = 10'



STORM AND SANITARY SEWER PIPE SCHEDULE - MIDBLOCK			
CODE NO.	DESCRIPTION	UNIT	QUAN.
54248515	CONCRETE COLLAR	EACH	2
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	5.5
	SANITARY SEWER, DUCTILE IRON, 8"	FOOT	6

FILE NAME =
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PLOT DATE =
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DRAWN - JRM	REVISED -	
CHECKED - JAJ	REVISED -	
DATE - 01-2009	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN

SCALE : 1"=10' | SHEET NO. 34 OF 75 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	07-00456-00-RS	CHAMPAIGN	75	34
	GOODWIN AVENUE	CONTRACT NO. 91392		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

U0070052

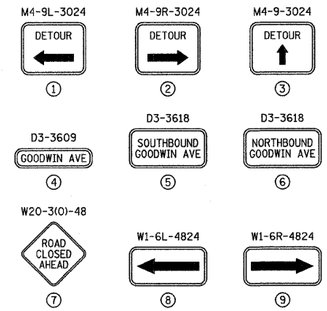
TRAFFIC CONTROL GENERAL NOTES

1. PRIOR TO THE START OF CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN AND SEQUENCE OF CONSTRUCTION OPERATIONS TO THE ENGINEER FOR APPROVAL. AT EACH INTERSECTION, THE CONTRACTOR SHALL LIMIT CONSTRUCTION OPERATIONS TO TWO ADJACENT QUADRANTS AT A TIME, EITHER BOTH ON THE EAST SIDE OF GOODWIN AVENUE OR BOTH ON THE WEST SIDE OF GOODWIN AVENUE. WORK AT MULTIPLE INTERSECTIONS PERFORMED SIMULTANEOUSLY SHALL BE PERFORMED ON THE SAME SIDE OF GOODWIN AVENUE. THE CONTRACTOR'S TRAFFIC CONTROL PLAN AND SEQUENCE OF CONSTRUCTION OPERATIONS SHALL INCLUDE THESE REQUIREMENTS.
2. NO DEVIATIONS FROM THE APPROVED TRAFFIC CONTROL PLAN WILL BE ALLOWED WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.
3. ONE THRU LANE OF TRAFFIC SHALL BE MAINTAINED IN EACH DIRECTION ON GOODWIN AVENUE AND ON ALL CROSS STREETS EXCEPT AS SHOWN ON THE TRAFFIC CONTROL PLAN OR AS OTHERWISE DIRECTED BY THE ENGINEER.
4. TRAFFIC CONTROL AND PROTECTION SHALL BE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION; THE APPLICABLE GUIDELINES CONTAINED IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS; STANDARDS 701006, 701301, 701311, 701501, 701606, 701701, 701801, AND 701901; THE TRAFFIC CONTROL PLANS; AND THE SPECIAL PROVISIONS. DELETE ALL REFERENCES TO MEASUREMENT AND PAYMENT.
5. TRAFFIC CONTROL AND PROTECTION WILL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR TRAFFIC CONTROL COMPLETE. THE TRAFFIC CONTROL AND PROTECTION INSTALLATION FOR EACH WORK AREA WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE LUMP SUM PRICE FOR THIS ITEM. ALL ADDITIONAL TRAFFIC CONTROL DEVICES, TRAFFIC CONTROL SIGNS, AND DETOUR SIGNS REQUIRED FOR THE WORK AS SHOWN ON THE TRAFFIC CONTROL PLANS OR AS DIRECTED BY THE ENGINEER SHALL BE INCLUDED IN THE LUMP SUM PRICE OF TRAFFIC CONTROL COMPLETE.
6. TRAFFIC CONTROL SURVEILLANCE WILL NOT BE PAID FOR SEPARATELY FOR THIS PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSPECTING AND MAINTAINING ALL TRAFFIC CONTROL DEVICES AT ALL TIMES INCLUDING NIGHTTIME, WEEKENDS, AND ANY TIME WORKERS ARE NOT PRESENT. THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH RECURRING SPECIAL PROVISION LRS3. THE COST OF ALL LABOR AND MATERIALS FOR THE MAINTENANCE OF TRAFFIC CONTROL DEVICES SHALL BE INCLUDED IN THE LUMP SUM PRICE OF TRAFFIC CONTROL COMPLETE.
7. THE CONTRACTOR SHALL MAINTAIN AT LEAST ONE POINT OF ACCESS TO EACH PROPERTY IN THE WORK AREA AT ALL TIMES.
8. FURNISHING, PLACING, AND REMOVING ALL AGGREGATE THAT IS USED TO TEMPORARILY FILL ANY VOIDS OR TO PROVIDE TEMPORARY ACCESS FOR VEHICLES OR PEDESTRIANS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR AGGREGATE FOR TEMPORARY ACCESS.
9. THE CONTRACTOR SHALL COVER ANY EXISTING SIGN THAT CONFLICTS WITH THE TRAFFIC CONTROL PLAN BUT DOES NOT INTERFERE WITH THE PROPOSED WORK. THE CONTRACTOR SHALL PROVIDE ADDITIONAL "STOP" SIGNS (R1-1-3030) AND "ALL WAY" SIGNS (R1-4-1806) AS REQUIRED TO MAINTAIN ALL-WAY STOP CONTROL AT THE EXISTING ALL-WAY STOP CONTROLLED INTERSECTIONS OR AS OTHERWISE DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE "NO PARKING" SIGNS (R7-1-1218) ALONG THE CORRIDOR AS DIRECTED BY THE ENGINEER. THE PROPOSED TRAFFIC CONTROL SIGNS SHALL BE INSTALLED IN ACCORDANCE WITH STANDARD 701901.
10. THE CONTRACTOR SHALL INSTALL THE TEMPORARY TRAFFIC SIGNALS AS SHOWN ON THE TRAFFIC SIGNAL PLANS. THE CONTRACTOR SHALL BAG ANY TRAFFIC SIGNAL HEAD OR PEDESTRIAN SIGNAL HEAD THAT CONFLICTS WITH THE TRAFFIC CONTROL PLAN, THAT IS SHOWN TO BE BAGGED ON THE TRAFFIC SIGNAL PLANS, OR THAT IS INDICATED TO BE BAGGED BY THE ENGINEER. THE METHOD OF BAGGING SHALL BE APPROVED BY THE ENGINEER.
11. FLASHING LIGHTS SHALL BE PLACED ON ALL TYPE III BARRICADES IN ACCORDANCE WITH STANDARD 701901 UNLESS OTHERWISE DIRECTED BY THE ENGINEER. STEADY BURN LIGHTS SHALL BE PLACED ON ALL DRUMS AND BARRICADES (EXCEPT FOR TYPE III BARRICADES) IN ACCORDANCE WITH STANDARD 701901 UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
12. TRAFFIC CONTROL DEVICES MAY BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. ADDITIONAL TRAFFIC CONTROL DEVICES NOT ASSOCIATED WITH ANY TRAFFIC CONTROL STANDARD MAY BE REQUIRED AS DIRECTED BY THE ENGINEER. THE ADDITIONAL TRAFFIC CONTROL DEVICES SHALL BE INCLUDED IN THE LUMP SUM PRICE OF TRAFFIC CONTROL COMPLETE.
13. TRAFFIC CONTROL DEVICES SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.
14. TEMPORARY HOT-MIX ASPHALT RAMPS SHALL HAVE A MINIMUM TAPER RATE OF 1:40 (V:H) AND WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR TEMPORARY RAMP. THE CONSTRUCTION, MAINTENANCE, AND REMOVAL OF TEMPORARY HOT-MIX ASPHALT RAMPS SHALL BE INCLUDED IN THE PRICE OF THIS ITEM.
15. WORK ZONE PAVEMENT MARKING SHALL BE INSTALLED AS REQUIRED BY THE TRAFFIC CONTROL STANDARDS AND THE TRAFFIC CONTROL PLAN, AND AS DIRECTED BY THE ENGINEER. WORK ZONE PAVEMENT MARKING WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR SHORT TERM PAVEMENT MARKING, PAVEMENT MARKING TAPE, TYPE III 4", PAVEMENT MARKING TAPE, TYPE III 12", AND PAVEMENT MARKING TAPE, TYPE III 24". CENTERLINE OR LANE LINE MARKINGS SHALL CONSIST OF AN ABBREVIATED PATTERN OF SINGLE STRIPES 4' IN LENGTH AT A MAXIMUM SPACING OF 40' BETWEEN STRIPES AS DESCRIBED IN ARTICLE 703.04 OF THE STANDARD SPECIFICATIONS OR AS OTHERWISE DIRECTED BY THE ENGINEER. WORK ZONE PAVEMENT MARKING REQUIRED BY THE TRAFFIC CONTROL STANDARDS WILL NOT BE PAID FOR SEPARATELY, AS DESCRIBED IN ARTICLE 703.07 OF THE STANDARD SPECIFICATIONS. ONLY PAVEMENT MARKING TAPE, TYPE III SHALL BE ALLOWED ON THE FINAL WEARING SURFACE. THE REMOVAL OF WORK ZONE PAVEMENT MARKING WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR WORK ZONE PAVEMENT MARKING REMOVAL.
16. THE CONTRACTOR SHALL REMOVE EXISTING PAVEMENT MARKINGS OR PREVIOUSLY INSTALLED WORK ZONE PAVEMENT MARKINGS THAT CONFLICT WITH THE TRAFFIC CONTROL PLAN AS DIRECTED BY THE ENGINEER. REMOVAL OF THE WORK ZONE PAVEMENT MARKINGS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR WORK ZONE PAVEMENT MARKING REMOVAL. REMOVAL OF THE EXISTING PAVEMENT MARKINGS SHALL BE DONE IN ACCORDANCE WITH SECTION 783 OF THE STANDARD SPECIFICATIONS. REMOVAL OF EXISTING PAVEMENT MARKINGS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE WORK ZONE PAVEMENT MARKING REMOVAL, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
17. THE CONTRACTOR SHALL NOTIFY THE CITY OF URBANA OF ALL ROAD CLOSURES AND DETOURS A MINIMUM OF 48 HOURS IN ADVANCE OF THE ROAD CLOSURES AND DETOURS.
18. THE CITY OF URBANA SHALL BE RESPONSIBLE FOR NOTIFYING THE PUBLIC, THE UNIVERSITY OF ILLINOIS, THE UNITED STATES POSTAL SERVICE, THE CHAMPAIGN-URBANA MASS TRANSIT DISTRICT, AND THE EMERGENCY SERVICE AGENCIES OF ALL ROAD CLOSURES AND DETOURS.
19. THE WORK ZONES SHOWN ON THE TRAFFIC CONTROL PLANS AND THE PLACEMENT OF SIGNS, BARRICADES, AND OTHER TRAFFIC CONTROL DEVICES DEPICTED HEREON ARE SCHEMATIC IN NATURE. FOR SPECIFIC INSTRUCTIONS ON THE INCLUSION OF SIGNS, BARRICADES, AND OTHER TRAFFIC CONTROL DEVICES FOR INDIVIDUAL WORK ZONES, AND THE PLACEMENT THEREOF, REFER TO THE TRAFFIC CONTROL STANDARDS, THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND THE SPECIAL PROVISIONS. SIGNS, BARRICADES, AND OTHER TRAFFIC CONTROL DEVICES THAT ARE SHOWN ON THE TRAFFIC CONTROL STANDARDS REQUIRED FOR THIS WORK ARE NOT SHOWN ON THE TRAFFIC CONTROL PLANS UNLESS OTHERWISE NOTED.

DETOUR PLAN LEGEND

- CONSTRUCTION WORK ZONE
- POST MOUNTED SIGN LOCATION
- PORTABLE CHANGEABLE MESSAGE SIGN
- (1) DETOUR SIGN NUMBER
- DIRECTION OF DETOUR

DETOUR SIGN LEGEND



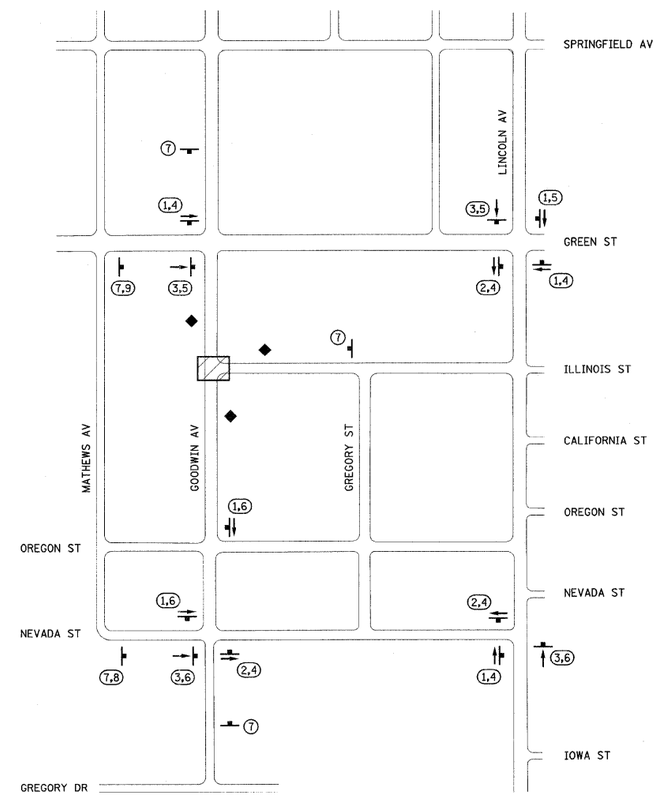
NOTE:
THE INTERSECTION OF GOODWIN AVENUE AND GREEN STREET SHALL BE ALL-WAY STOP-CONTROLLED DURING THE CONSTRUCTION OF THE PROPOSED TRAFFIC SIGNAL IMPROVEMENTS AT THAT INTERSECTION. THE CONTRACTOR SHALL FURNISH, INSTALL, AND MAINTAIN TEMPORARY STOP SIGNS ON EACH QUADRANT OF THE INTERSECTION AND IN THE MEDIANS AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL COMPLETE, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

TRAFFIC CONTROL STANDARDS

THE FOLLOWING TRAFFIC CONTROL STANDARDS ARE THE MINIMUM REQUIREMENTS FOR THE TRAFFIC CONTROL FOR THIS PROJECT WHEN LANES ARE OPEN TO TRAFFIC:

STANDARD	APPLICATION
701006	OFF-ROAD OPERATIONS ON VARIOUS STREETS FOR LANDSCAPING OPERATIONS, SIGN INSTALLATION, ETC.
701301	SHORT TIME LANE CLOSURE ON VARIOUS STREETS FOR CONSTRUCTION LAYOUT, DEBRIS CLEANUP, ETC.
701311	MOVING OPERATIONS LANE CLOSURE ON VARIOUS STREETS FOR LANDSCAPING WORK, PAVEMENT MARKING, DEBRIS CLEANUP, ETC.
701501	LANE CLOSURE ON VARIOUS STREETS FOR CONSTRUCTION ACTIVITIES THAT REQUIRE THE TEMPORARY CLOSURE OF ONE THRU LANE OF TRAFFIC.
701606	LANE CLOSURE ON VARIOUS STREETS FOR PAVEMENT PATCHING UNDER TWO-WAY TRAFFIC.
701701	LANE CLOSURE ON VARIOUS STREETS FOR INTERSECTION SHOULDER OPERATIONS, CORNER ISLAND OPERATIONS, LEFT-LANE OPERATIONS, ETC.
701801	SIDEWALK CLOSURES WITHIN PROJECT LIMITS
701901	TRAFFIC CONTROL DEVICES

WHEN CONSTRUCTION ACTIVITIES ARE PERFORMED UNDER ROAD CLOSURE USE THE ROAD CLOSURE DETAILS AS SHOWN IN THE PLANS.

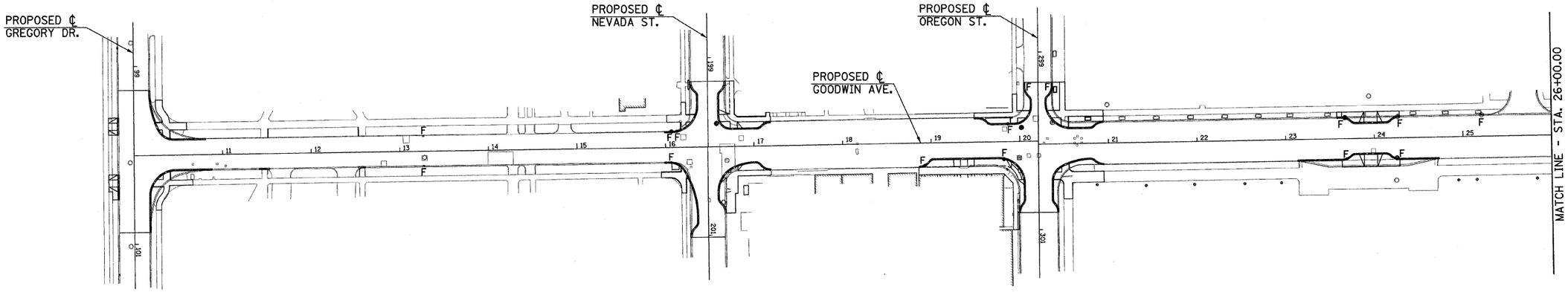


DETOUR PLAN

DETOUR PLAN GENERAL NOTES

1. THE DETOUR SIGNS SHALL BE IN PLACE PRIOR TO CLOSING THE INTERSECTION OF GOODWIN AVENUE AND ILLINOIS STREET AND SHALL REMAIN IN PLACE UNTIL THE INTERSECTION IS OPEN TO TRAFFIC UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. PORTABLE CHANGEABLE MESSAGE SIGNS SHALL BE PROVIDED AND MAINTAINED BY THE CONTRACTOR AT THE LOCATIONS SHOWN ON THE DETOUR PLAN FIVE DAYS PRIOR TO CLOSING THE INTERSECTION OF GOODWIN AVENUE AND ILLINOIS STREET. THE MESSAGE FOR THE SIGNS WILL BE PROVIDED BY THE ENGINEER. THE CONTRACTOR SHALL INSPECT THE SIGNS BY 8:00 A.M. EACH DAY TO ENSURE THAT THE SIGNS ARE FULLY OPERATIONAL AND IN PROPER WORKING ORDER. FURNISHING, MAINTAINING, AND REMOVING THE PORTABLE CHANGEABLE MESSAGE SIGNS SHALL BE INCLUDED IN THE LUMP SUM PRICE OF TRAFFIC CONTROL COMPLETE.
3. CLOSE GOODWIN AVENUE AT ILLINOIS STREET AND CLOSE ILLINOIS STREET AT GOODWIN AVENUE IN ACCORDANCE WITH THE "ROAD CLOSED TO ALL TRAFFIC" DETAIL SHOWN ON STANDARD 701901. CLOSE GOODWIN AVENUE AND ILLINOIS STREET TO THRU TRAFFIC AT THE LOCATIONS DETERMINED BY THE ENGINEER IN ACCORDANCE WITH THE "ROAD CLOSED TO THRU TRAFFIC" DETAIL SHOWN ON STANDARD 701901. ALL CLOSURES SHALL BE INCLUDED IN THE LUMP SUM PRICE OF TRAFFIC CONTROL COMPLETE.
4. THE DETOUR SIGNS SHALL HAVE BLACK LETTERS, SYMBOLS, AND BORDERS WITH ORANGE REFLECTORIZED BACKGROUNDS.
5. THE DETOUR SIGNS SHALL BE MAINTAINED FOR THE DURATION OF THE DETOUR PLAN.
6. THE DETOUR SIGNS SHALL BE POST MOUNTED IN ACCORDANCE WITH STANDARD 701901.
7. FURNISHING, ERECTING, MAINTAINING, AND REMOVING THE DETOUR SIGNS SHALL BE INCLUDED IN THE LUMP SUM PRICE OF TRAFFIC CONTROL COMPLETE.

CONTRACT NO. 91392



EROSION CONTROL NOTES

1. THE TEMPORARY EROSION CONTROL SYSTEMS SHALL BE INSTALLED AND MAINTAINED BY THE CONTRACTOR AT THE LOCATIONS SHOWN ON THE STORM WATER POLLUTION 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 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. SEEDING AND LANDSCAPING 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.
4. SEE THE SITE IMPROVEMENTS PLANS FOR ADDITIONAL INFORMATION.

EROSION CONTROL SYSTEMS INSTALLATION SEQUENCE

1. REFER TO THE TRAFFIC CONTROL PLANS FOR ADDITIONAL INFORMATION.
2. INSTALL INLET FILTERS AT EXISTING DRAINAGE STRUCTURES PRIOR TO THE START OF WORK OR AS DIRECTED BY THE ENGINEER.
3. INSTALL INLET FILTERS AT PROPOSED DRAINAGE STRUCTURES AS SOON AS THE STRUCTURES HAVE BEEN CONSTRUCTED.
4. MAINTAIN ALL EROSION CONTROL SYSTEMS UNTIL SUCH TIME THAT THEY CAN BE REMOVED AS DIRECTED BY THE ENGINEER.
5. PLACE SEEDING AND LANDSCAPING AS SOON AS FINAL GRADING AND SHAPING IS COMPLETE.
6. REMOVE AND CLEANUP ALL REMAINING EROSION CONTROL SYSTEMS AS DIRECTED BY THE ENGINEER.

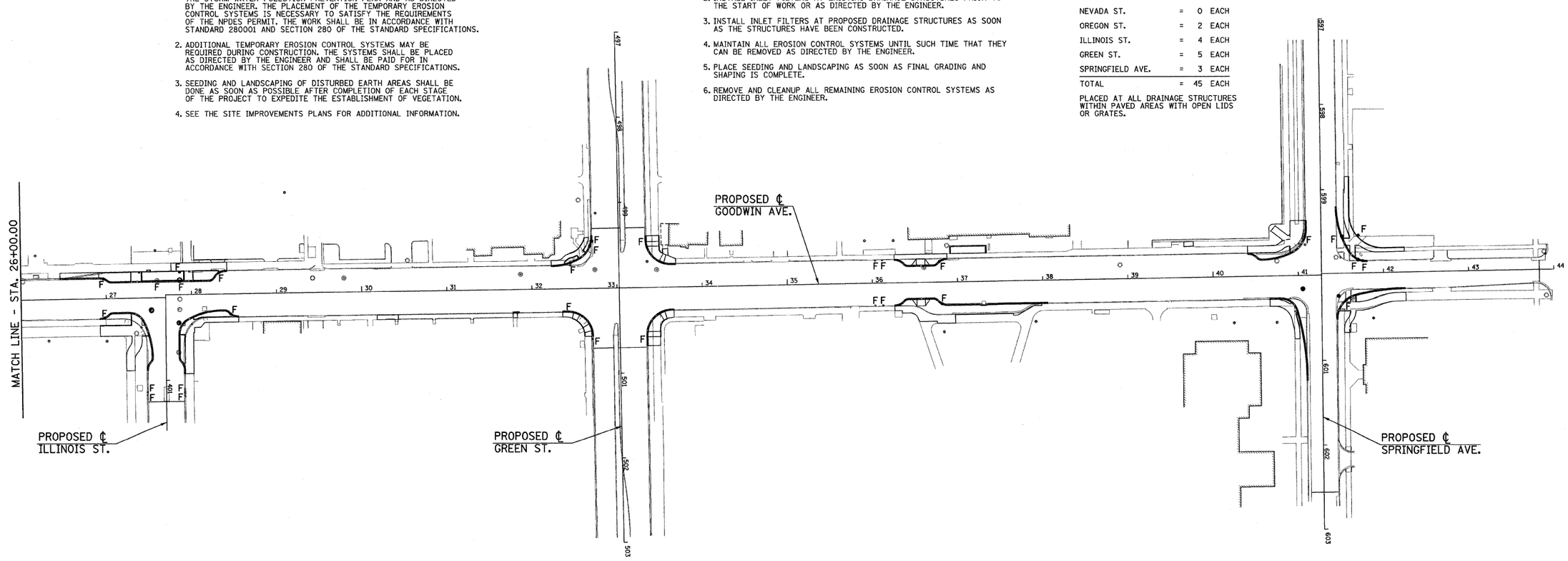
INLET FILTERS (28000510)

GOODWIN AVE.	=	31	EACH
GREGORY DR.	=	0	EACH
NEVADA ST.	=	0	EACH
OREGON ST.	=	2	EACH
ILLINOIS ST.	=	4	EACH
GREEN ST.	=	5	EACH
SPRINGFIELD AVE.	=	3	EACH
TOTAL	=	45	EACH

PLACED AT ALL DRAINAGE STRUCTURES WITHIN PAVED AREAS WITH OPEN LIDS OR GRATES.

LEGEND

F = INLET FILTER LOCATION



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PLOT DATE = 1/12/2009 7:46:41 PM	DRAWN - JRM	REVISED -	
	CHECKED - RLH	REVISED -	
	DATE - 01-2009	REVISED -	

STORM WATER POLLUTION PREVENTION PLAN

SCALE : 1"=60' | SHEET NO. 36 OF 75 SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	07-00456-00-RS	CHAMPAIGN	75	36
	GOODWIN AVENUE	CONTRACT NO. 91392		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

U0070052

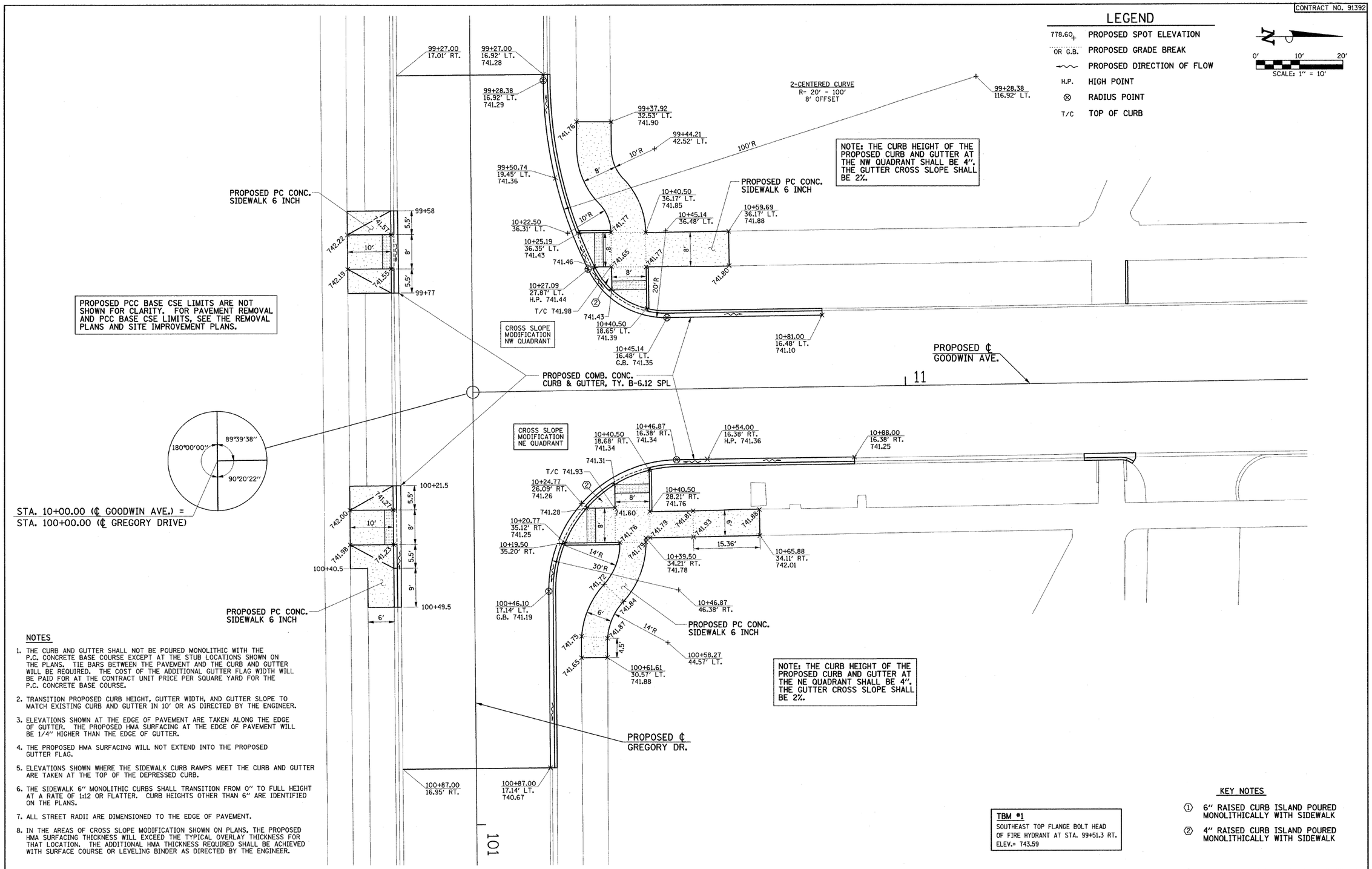
CONTRACT NO. 91392

LEGEND

778.60 +	PROPOSED SPOT ELEVATION
OR G.B.	PROPOSED GRADE BREAK
~~	PROPOSED DIRECTION OF FLOW
H.P.	HIGH POINT
⊗	RADIUS POINT
T/C	TOP OF CURB

N

0' 10' 20'
SCALE: 1" = 10'



NOTES

1. THE CURB AND GUTTER SHALL NOT BE POURED MONOLITHIC WITH THE P.C. CONCRETE BASE COURSE EXCEPT AT THE STUB LOCATIONS SHOWN ON THE PLANS. TIE BARS BETWEEN THE PAVEMENT AND THE CURB AND GUTTER WILL BE REQUIRED. THE COST OF THE ADDITIONAL GUTTER FLAG WIDTH WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR THE P.C. CONCRETE BASE COURSE.
2. TRANSITION PROPOSED CURB HEIGHT, GUTTER WIDTH, AND GUTTER SLOPE TO MATCH EXISTING CURB AND GUTTER IN 10' OR AS DIRECTED BY THE ENGINEER.
3. ELEVATIONS SHOWN AT THE EDGE OF PAVEMENT ARE TAKEN ALONG THE EDGE OF GUTTER. THE PROPOSED HMA SURFACING AT THE EDGE OF PAVEMENT WILL BE 1/4" HIGHER THAN THE EDGE OF GUTTER.
4. THE PROPOSED HMA SURFACING WILL NOT EXTEND INTO THE PROPOSED GUTTER FLAG.
5. ELEVATIONS SHOWN WHERE THE SIDEWALK CURB RAMPS MEET THE CURB AND GUTTER ARE TAKEN AT THE TOP OF THE DEPRESSED CURB.
6. THE SIDEWALK 6" MONOLITHIC CURBS SHALL TRANSITION FROM 0" TO FULL HEIGHT AT A RATE OF 1:12 OR FLATTER. CURB HEIGHTS OTHER THAN 6" ARE IDENTIFIED ON THE PLANS.
7. ALL STREET RADII ARE DIMENSIONED TO THE EDGE OF PAVEMENT.
8. IN THE AREAS OF CROSS SLOPE MODIFICATION SHOWN ON PLANS, THE PROPOSED HMA SURFACING THICKNESS WILL EXCEED THE TYPICAL OVERLAY THICKNESS FOR THAT LOCATION. THE ADDITIONAL HMA THICKNESS REQUIRED SHALL BE ACHIEVED WITH SURFACE COURSE OR LEVELING BINDER AS DIRECTED BY THE ENGINEER.

TBM #1
SOUTHEAST TOP FLANGE BOLT HEAD OF FIRE HYDRANT AT STA. 99+51.3 RT.
ELEV.= 743.59

KEY NOTES

1. 6" RAISED CURB ISLAND POURED MONOLITHICALLY WITH SIDEWALK
2. 4" RAISED CURB ISLAND POURED MONOLITHICALLY WITH SIDEWALK

FILE NAME = p:\u0070052\plans\sheets\37-Intersection.dgn	DESIGNED - JAJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
PLOT DATE = 1/12/2009 7:46:44 PM	DRAWN - JRM	REVISED -	
	CHECKED - RLH	REVISED -	
	DATE - 01-2009	REVISED -	

INTERSECTION DETAILS

SCALE : 1"=10' | SHEET NO. 37 OF 75 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	07-00456-00-RS	CHAMPAIGN	75	37
	GOODWIN AVENUE	CONTRACT NO. 91392		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

U0070052

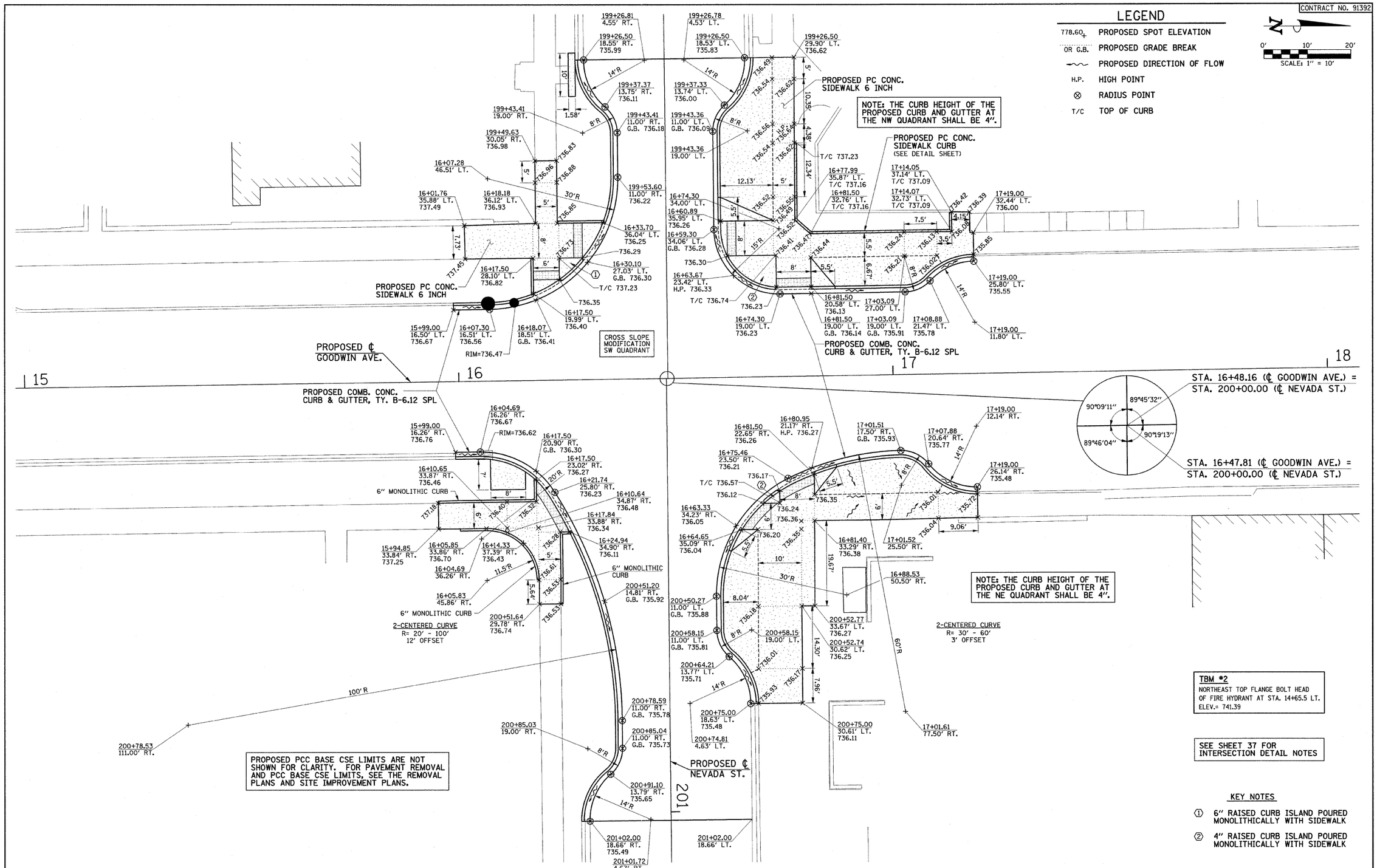
CONTRACT NO. 91392

LEGEND

778.60 +	PROPOSED SPOT ELEVATION
OR G.B.	PROPOSED GRADE BREAK
~~	PROPOSED DIRECTION OF FLOW
H.P.	HIGH POINT
⊗	RADIUS POINT
T/C	TOP OF CURB

N

0' 10' 20'
SCALE: 1" = 10'



TBM #2
NORTHEAST TOP FLANGE BOLT HEAD OF FIRE HYDRANT AT STA. 14+65.5 LT. ELEV.= 741.39

SEE SHEET 37 FOR INTERSECTION DETAIL NOTES

KEY NOTES

① 6" RAISED CURB ISLAND POURED MONOLITHICALLY WITH SIDEWALK

② 4" RAISED CURB ISLAND POURED MONOLITHICALLY WITH SIDEWALK

FILE NAME = p:\u0070052\plans\sheets\37-Intersection.dgn	DESIGNED - JAJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
PLOT DATE = 1/12/2009 7:46:46 PM	DRAWN - JRM	REVISED -	
	CHECKED - RLH	REVISED -	
	DATE - 01-2009	REVISED -	

INTERSECTION DETAILS

SCALE : 1"=10' | SHEET NO. 38 OF 75 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	07-00456-00-RS	CHAMPAIGN	75	38
	GOODWIN AVENUE	CONTRACT NO. 91392		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

U0070052

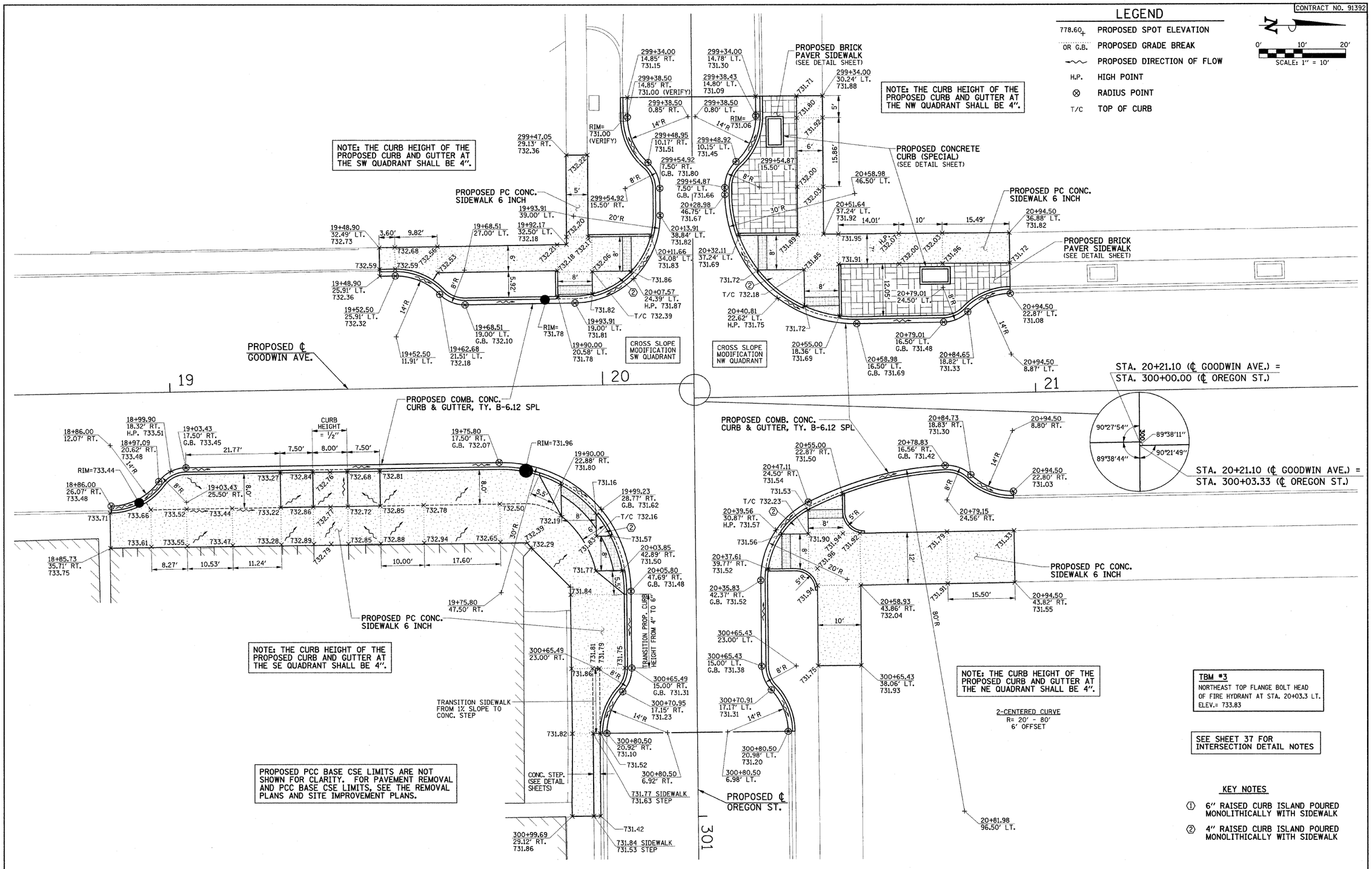
CONTRACT NO. 91392

LEGEND

778.60 +	PROPOSED SPOT ELEVATION
OR G.B.	PROPOSED GRADE BREAK
~~	PROPOSED DIRECTION OF FLOW
H.P.	HIGH POINT
⊗	RADIUS POINT
T/C	TOP OF CURB

N

0' 10' 20'
SCALE: 1" = 10'



PROPOSED PCC BASE CSE LIMITS ARE NOT SHOWN FOR CLARITY. FOR PAVEMENT REMOVAL AND PCC BASE CSE LIMITS, SEE THE REMOVAL PLANS AND SITE IMPROVEMENT PLANS.

TBM #3
NORTHEAST TOP FLANGE BOLT HEAD OF FIRE HYDRANT AT STA. 20+03.3 LT.
ELEV.= 733.83

SEE SHEET 37 FOR INTERSECTION DETAIL NOTES

KEY NOTES

① 6" RAISED CURB ISLAND POURED MONOLITHICALLY WITH SIDEWALK

② 4" RAISED CURB ISLAND POURED MONOLITHICALLY WITH SIDEWALK

FILE NAME = p:\u0070052\plans\sheets\37-Intersection.dgn	DESIGNED - JAJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
PLOT DATE = 1/12/2009 7:46:47 PM	DRAWN - JRM	REVISED -	
	CHECKED - RLH	REVISED -	
	DATE - 01-2009	REVISED -	

INTERSECTION DETAILS

SCALE : 1"=10' | SHEET NO. 39 OF 75 SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	07-00456-00-RS	CHAMPAIGN	75	39
	GOODWIN AVENUE	CONTRACT NO. 91392		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

U0070052

CONTRACT NO. 91392

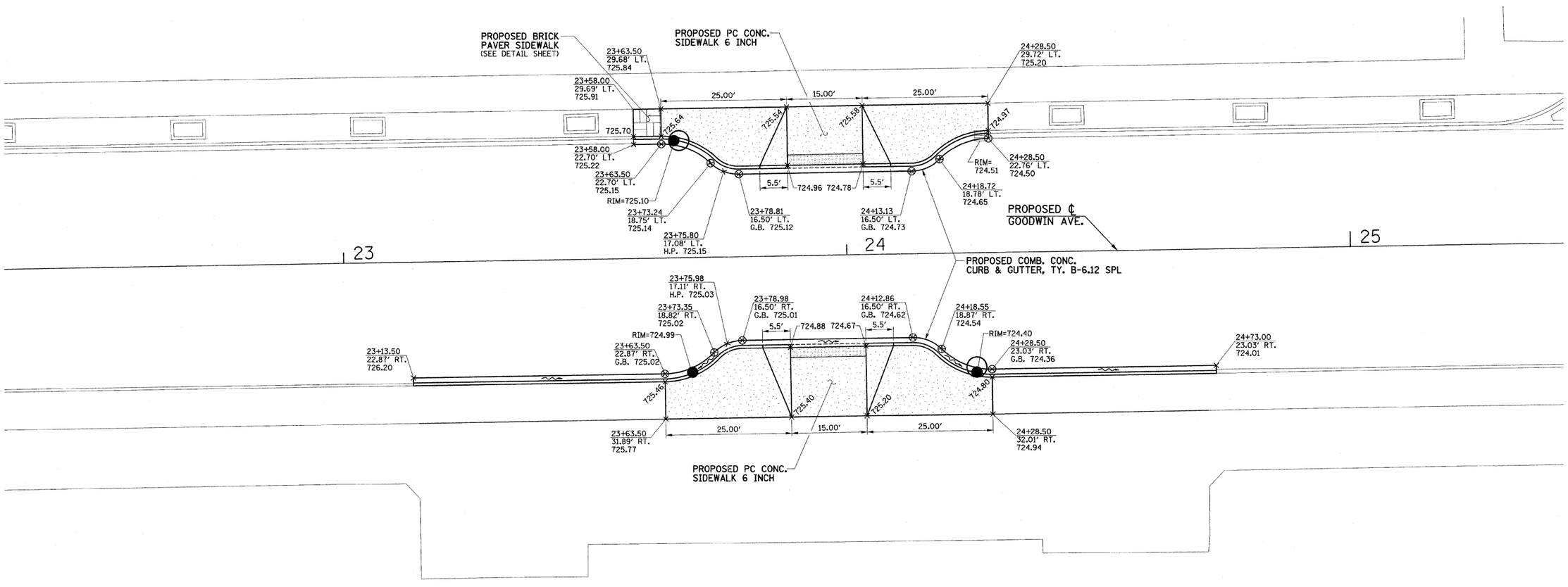
LEGEND

778.60+	PROPOSED SPOT ELEVATION
OR G.B.	PROPOSED GRADE BREAK
~~	PROPOSED DIRECTION OF FLOW
H.P.	HIGH POINT
⊗	RADIUS POINT
T/C	TOP OF CURB

N

0′ 10′ 20′
SCALE: 1″ = 10′

PROPOSED PCC BASE CSE LIMITS ARE NOT SHOWN FOR CLARITY. FOR PAVEMENT REMOVAL AND PCC BASE CSE LIMITS, SEE THE REMOVAL PLANS AND SITE IMPROVEMENT PLANS.



SEE SHEET 37 FOR INTERSECTION DETAIL NOTES

KEY NOTES

1. 6″ RAISED CURB ISLAND POURED MONOLITHICALLY WITH SIDEWALK
2. 4″ RAISED CURB ISLAND POURED MONOLITHICALLY WITH SIDEWALK

FILE NAME = p:\u0070052\plans\sheets\37-Intersection.dgn	DESIGNED - JAJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
PLOT DATE = 1/12/2009 7:46:48 PM	DRAWN - JRM	REVISED -	
	CHECKED - RLH	REVISED -	
	DATE - 01-2009	REVISED -	

INTERSECTION DETAILS

SCALE : 1″=10′ | SHEET NO. 40 OF 75 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	07-00456-00-RS	CHAMPAIGN	75	40
	GOODWIN AVENUE	CONTRACT NO. 91392		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

U0070052

CONTRACT NO. 91392

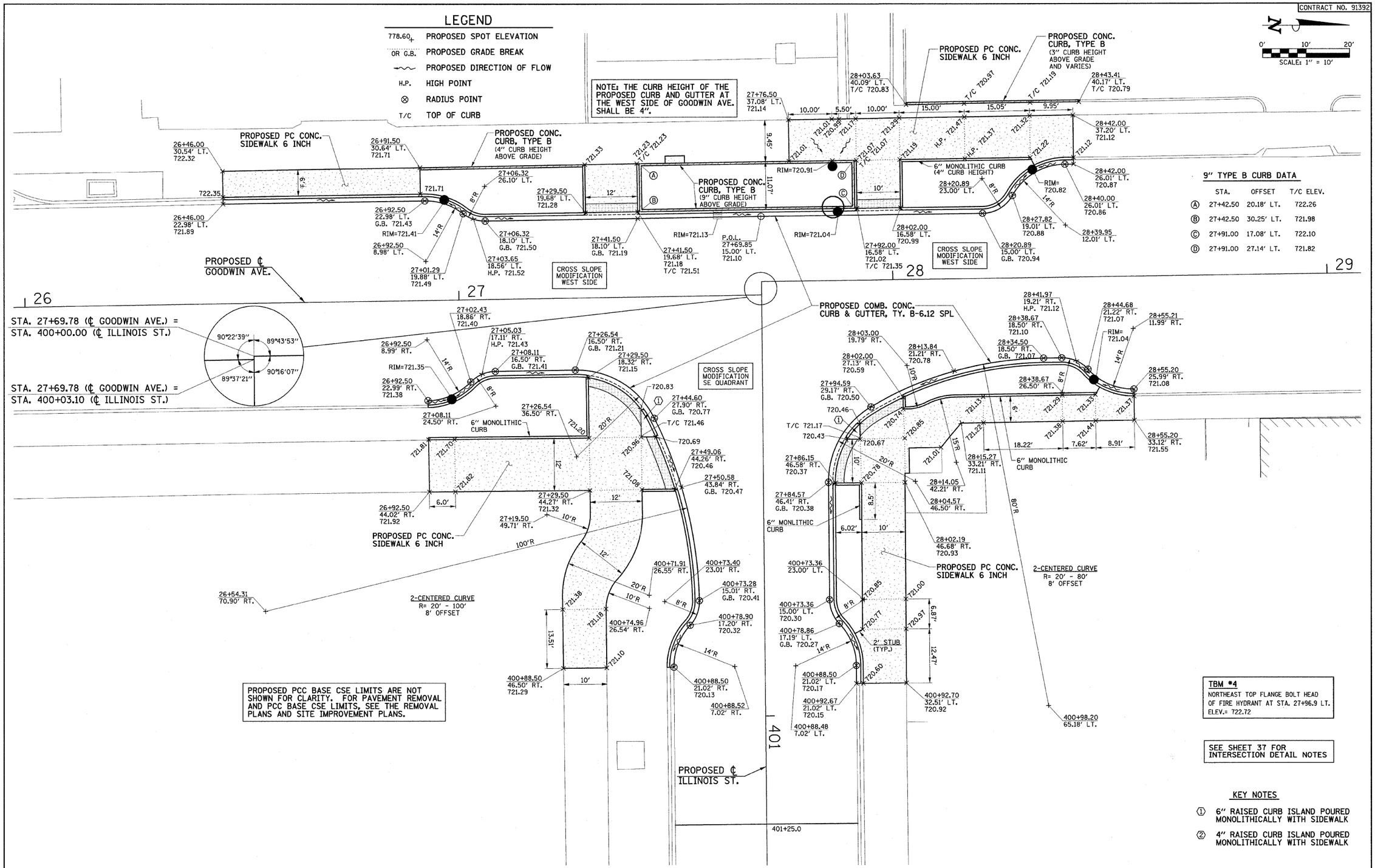
LEGEND

778.60 +	PROPOSED SPOT ELEVATION
OR G.B.	PROPOSED GRADE BREAK
~~	PROPOSED DIRECTION OF FLOW
H.P.	HIGH POINT
⊗	RADIUS POINT
T/C	TOP OF CURB

N

0' 10' 20'
SCALE: 1" = 10'

NOTE: THE CURB HEIGHT OF THE PROPOSED CURB AND GUTTER AT THE WEST SIDE OF GOODWIN AVE. SHALL BE 4".



9" TYPE B CURB DATA

	STA.	OFFSET	T/C ELEV.
Ⓐ	27+42.50	20.18' LT.	722.26
Ⓑ	27+42.50	30.25' LT.	721.98
Ⓒ	27+91.00	17.08' LT.	722.10
Ⓓ	27+91.00	27.14' LT.	721.82

PROPOSED PCC BASE CSE LIMITS ARE NOT SHOWN FOR CLARITY. FOR PAVEMENT REMOVAL AND PCC BASE CSE LIMITS, SEE THE REMOVAL PLANS AND SITE IMPROVEMENT PLANS.

TBM #4
NORTHEAST TOP FLANGE BOLT HEAD OF FIRE HYDRANT AT STA. 27+96.9 LT. ELEV.= 722.72

SEE SHEET 37 FOR INTERSECTION DETAIL NOTES

KEY NOTES

① 6" RAISED CURB ISLAND POURED MONOLITHICALLY WITH SIDEWALK

② 4" RAISED CURB ISLAND POURED MONOLITHICALLY WITH SIDEWALK

FILE NAME = p:\u0070052\plans\sheets\37-Intersection.dgn	DESIGNED - JAJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
PLOT DATE = 1/12/2009 7:46:49 PM	DRAWN - JRM	REVISED -	
	CHECKED - RLH	REVISED -	
	DATE - 01-2009	REVISED -	

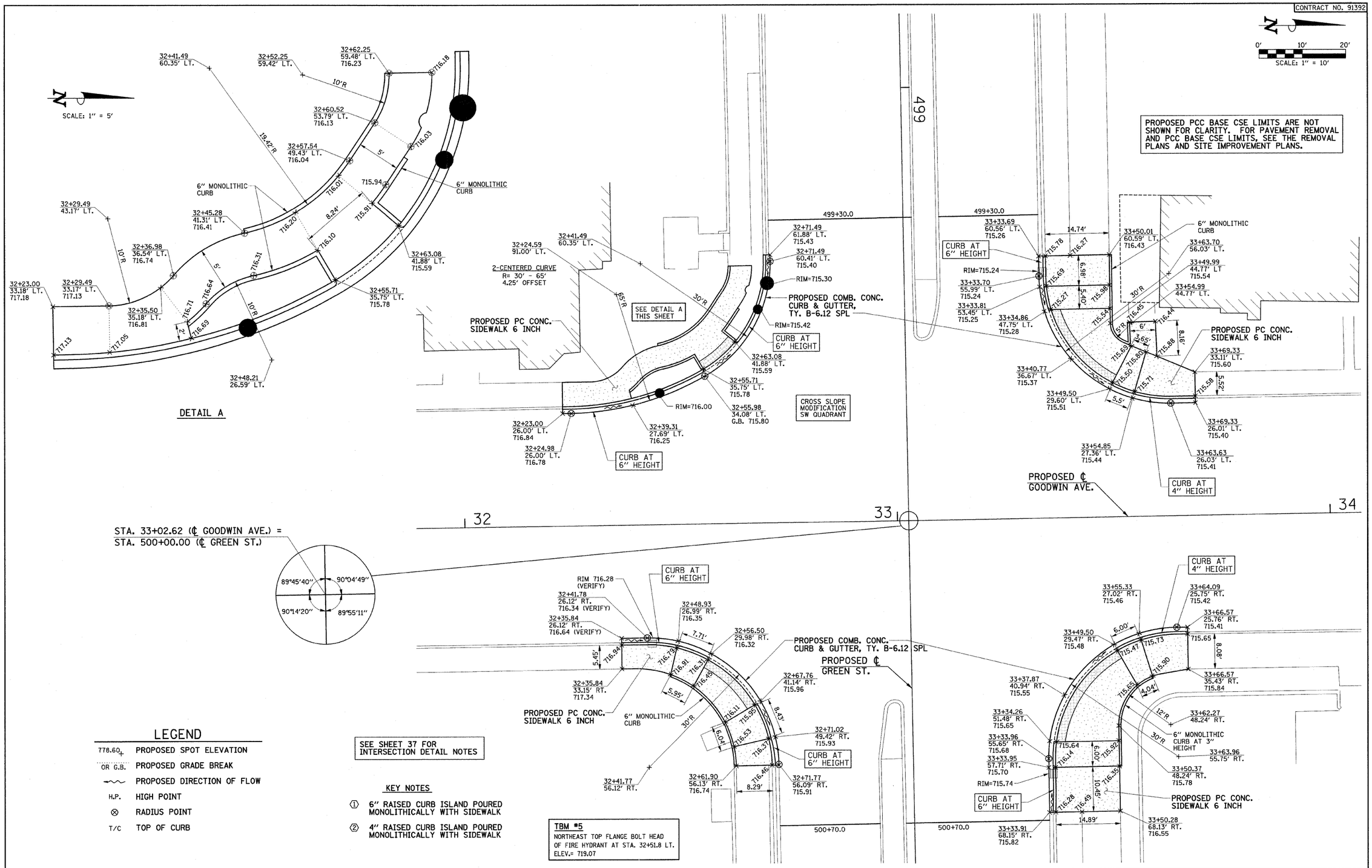
INTERSECTION DETAILS

SCALE : 1"=10' | SHEET NO. 41 OF 75 SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	07-00456-00-RS	CHAMPAIGN	75	41
	GOODWIN AVENUE	CONTRACT NO. 91392		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

U0070052

CONTRACT NO. 91392



LEGEND

778.60 +	PROPOSED SPOT ELEVATION
OR G.B.	PROPOSED GRADE BREAK
~~	PROPOSED DIRECTION OF FLOW
H.P.	HIGH POINT
⊗	RADIUS POINT
T/C	TOP OF CURB

SEE SHEET 37 FOR INTERSECTION DETAIL NOTES

KEY NOTES

1. 6" RAISED CURB ISLAND POURED MONOLITHICALLY WITH SIDEWALK
2. 4" RAISED CURB ISLAND POURED MONOLITHICALLY WITH SIDEWALK

TBM #5
NORTHEAST TOP FLANGE BOLT HEAD OF FIRE HYDRANT AT STA. 32+51.8 LT.
ELEV.= 719.07

FILE NAME = p:\u0070052\plans\sheets\37-Intersection.dgn	DESIGNED - JAJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
PLOT DATE = 1/12/2009 7:46:50 PM	DRAWN - JRM	REVISED -	
	CHECKED - RLH	REVISED -	
	DATE - 01-2009	REVISED -	

INTERSECTION DETAILS

SCALE : 1"=10' | SHEET NO. 42 OF 75 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	07-00456-00-RS	CHAMPAIGN	75	42
	GOODWIN AVENUE	CONTRACT NO. 91392		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

U0070052

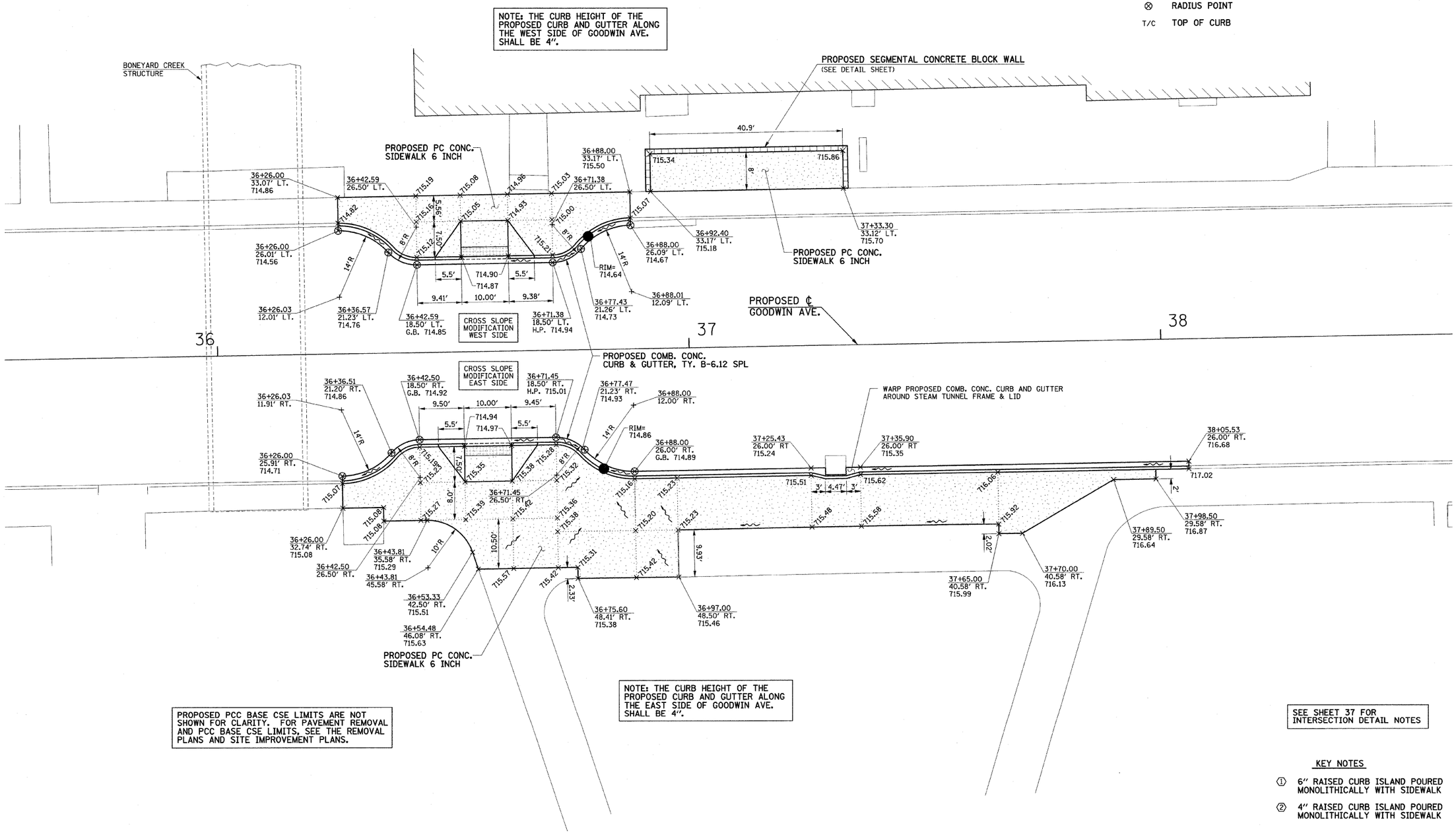
CONTRACT NO. 91392

LEGEND

778.60 +	PROPOSED SPOT ELEVATION
OR G.B.	PROPOSED GRADE BREAK
~~	PROPOSED DIRECTION OF FLOW
H.P.	HIGH POINT
⊗	RADIUS POINT
T/C	TOP OF CURB

N

0' 10' 20'
SCALE: 1" = 10'



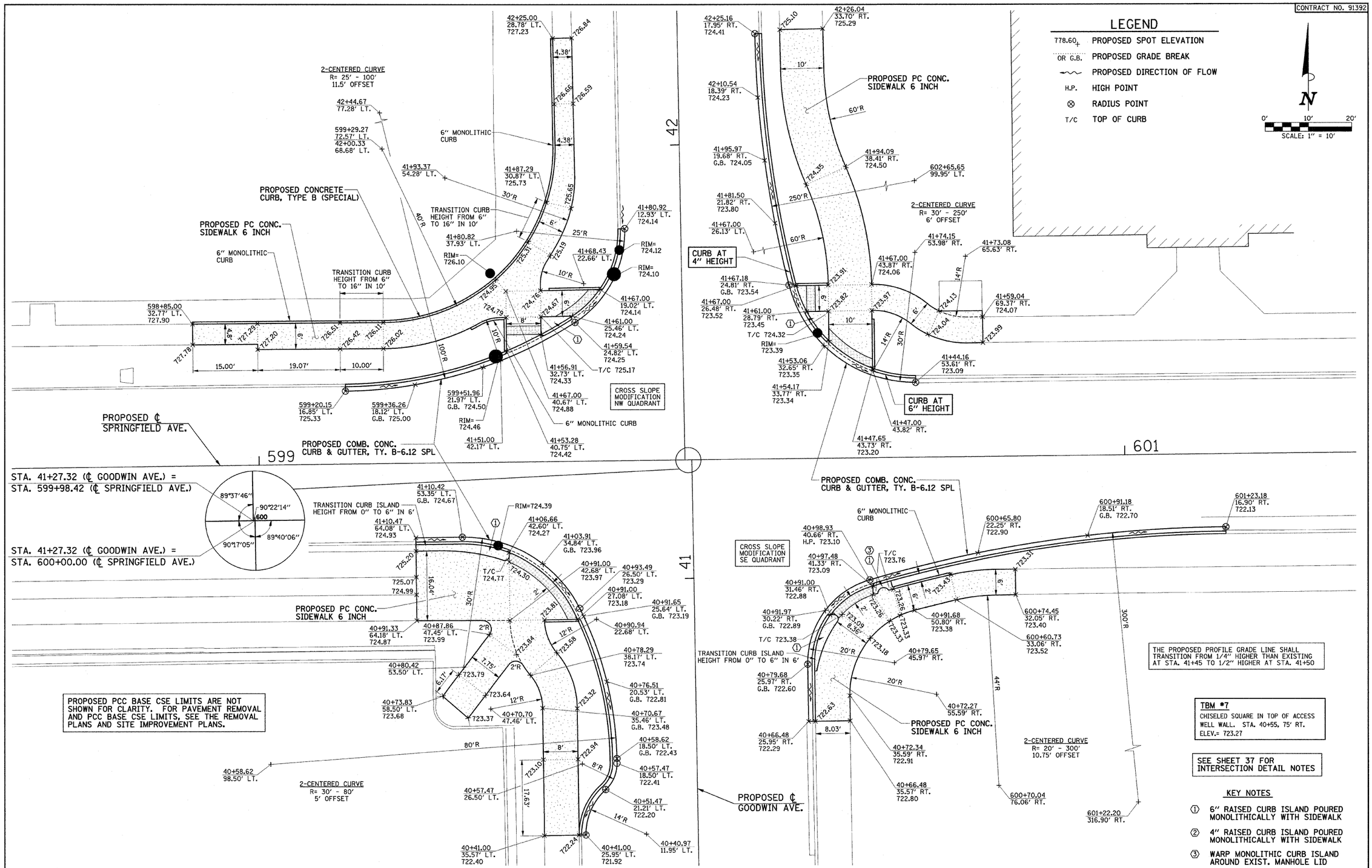
KEY NOTES

1. 6" RAISED CURB ISLAND POURED MONOLITHICALLY WITH SIDEWALK
2. 4" RAISED CURB ISLAND POURED MONOLITHICALLY WITH SIDEWALK

FILE NAME = p:\u0070052\plans\sheets\37-Intersection.dgn	DESIGNED - JAJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERSECTION DETAILS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
PLOT DATE = 1/12/2009 7:46:51 PM	DRAWN - JRM	REVISED -			7175	07-00456-00-RS	CHAMPAIGN	75 / 43
	CHECKED - RLH	REVISED -				GOODWIN AVENUE	CONTRACT NO. 91392	
	DATE - 01-2009	REVISED -		SCALE : 1"=10' / SHEET NO. 43 OF 75 SHEETS / STA. / TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

U0070052

CONTRACT NO. 91392



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PLOT DATE = 1/12/2009 7:46:52 PM	DRAWN - JRM	REVISED -	
	CHECKED - RLH	REVISED -	
	DATE - 01-2009	REVISED -	

INTERSECTION DETAILS

SCALE : 1"=10' | SHEET NO. 44 OF 75 SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	07-00456-00-RS	CHAMPAIGN	75	44
	GOODWIN AVENUE	CONTRACT NO. 91392		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

U0070052

CONTRACT NO. 91392

LEGEND

⊗ - SIGN PANEL ON LIGHT POLE

✳ - RELOCATED SIGN PANELS ON PROPOSED WOOD POST

THERMOPLASTIC PAVEMENT MARKING LINE, 4" (78000200)

LOCATION	SKIP-DASH YELLOW (FOOT)	DOUBLE YELLOW (FOOT)	SOLID WHITE (FOOT)	TOTAL (FOOT)
STA. 10+00.00 TO 13+75.00	-	654	-	654
GREGORY DRIVE	-	147	-	147
			SHEET TOTAL	801

THERMOPLASTIC PAVEMENT MARKING LINE, 12" (78000600)

LOCATION	DIAGONAL YELLOW (FOOT)	SOLID WHITE (FOOT)	DIAGONAL WHITE (FOOT)	CROSSWALK WHITE (FOOT)	STOP BAR WHITE (FOOT)	TOTAL (FOOT)
STA. 10+00.00 TO 13+75.00	-	-	-	234.2	16.7	250.9
GREGORY DRIVE	-	-	-	112.2	35.3	147.5
					SHEET TOTAL	398.4

THERMOPLASTIC PAVEMENT MARKING LINE, 6" (78000400)

LOCATION	SOLID WHITE (FOOT)	LANE LINE EXTENSION WHITE (FOOT)	TOTAL (FOOT)
STA. 10+00.00 TO 13+75.00	333	78	411
GREGORY DRIVE	199	12	211
		SHEET TOTAL	622

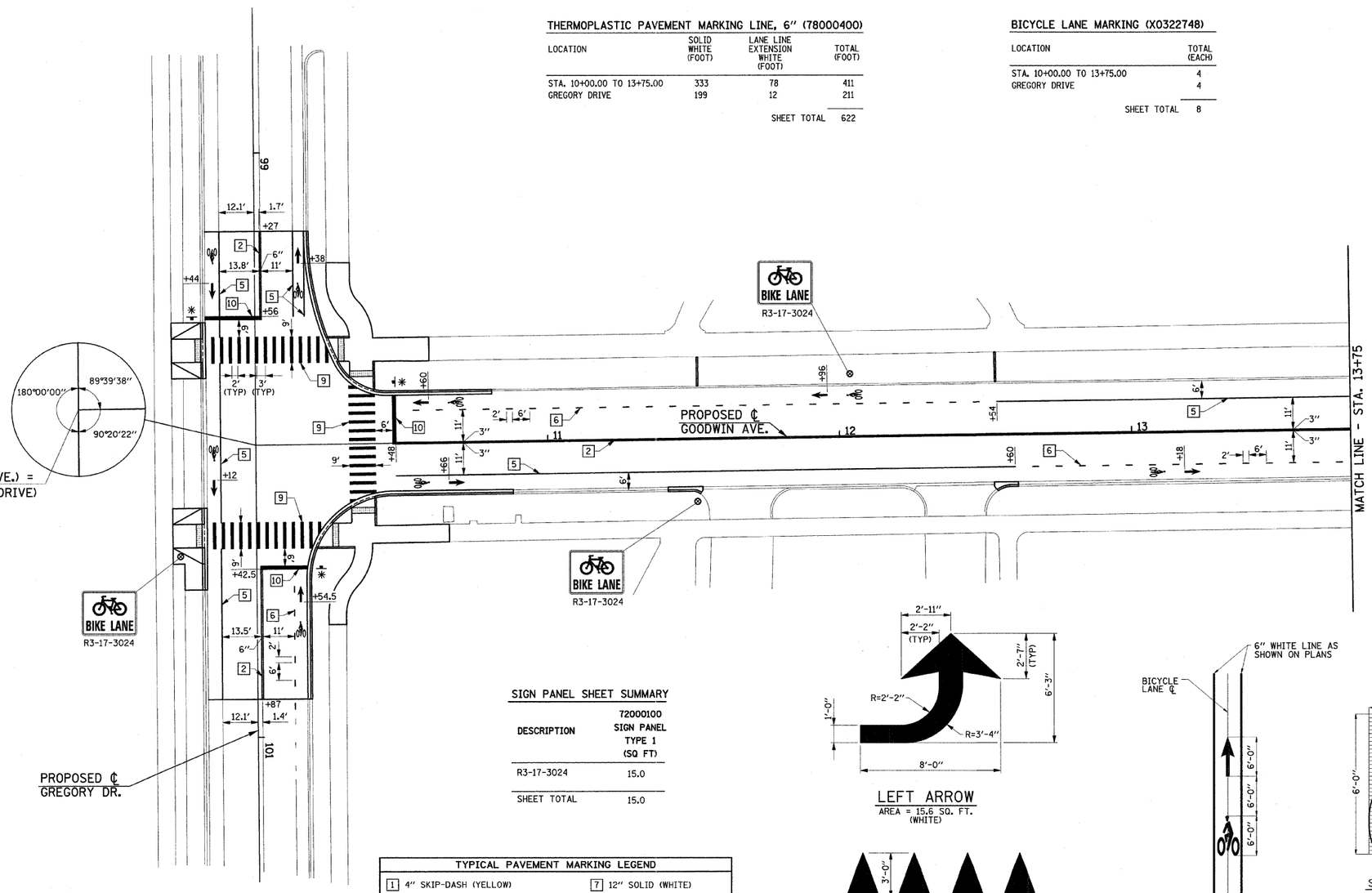
BICYCLE LANE MARKING (X0322748)

LOCATION	TOTAL (EACH)
STA. 10+00.00 TO 13+75.00	4
GREGORY DRIVE	4
SHEET TOTAL	8

N

0' 20' 40'

SCALE: 1" = 20'



SIGN PANEL SHEET SUMMARY

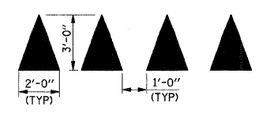
DESCRIPTION	72000100 SIGN PANEL TYPE 1 (SQ FT)
R3-17-3024	15.0
SHEET TOTAL	15.0

TYPICAL PAVEMENT MARKING LEGEND

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

LEFT ARROW

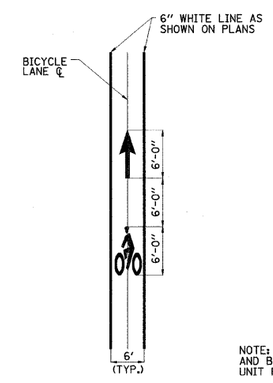
AREA = 15.6 SQ. FT. (WHITE)



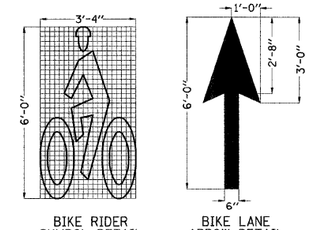
NUMBER OF TRIANGLES AND ORIENTATION AS SHOWN ON PLANS

TRIANGLE YIELD BAR LAYOUT

AREA = 3 SQ. FT. PER TRIANGLE (WHITE)



BIKE LANE SYMBOL LAYOUT



BIKE RIDER SYMBOL DETAIL

BIKE LANE ARROW DETAIL

NOTE: BIKE LANE SYMBOL SHALL CONSIST OF BIKE RIDER SYMBOL AND BIKE LANE ARROW AND SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR BICYCLE LANE MARKING.

BIKE LANE SYMBOLS

(POLYUREA, WHITE)

FILE NAME = p:\u0070052\plans\sheets\45-PavtMarking.dgn	DESIGNED - JAJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
PLOT DATE = 1/12/2009 7:46:56 PM	DRAWN - DLM	REVISED -	
	CHECKED - JRM	REVISED -	
	DATE - 01-2009	REVISED -	

PAVEMENT MARKING AND SIGNING PLAN

SCALE : 1"=20' | SHEET NO. 45 OF 75 SHEETS | STA. 10+00 TO STA. 13+75

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	07-00456-00-RS	CHAMPAIGN	75	45
	GOODWIN AVENUE	CONTRACT NO. 91392		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

U0070052

CONTRACT NO. 91392

THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS (78000100)

LOCATION	TURN ARROW (SQ FT)	YIELD BAR (SQ FT)	TOTAL (SQ FT)
STA. 13+75.00 TO 16+48.00	-	30	30
NEVADA STREET	15.6	-	15.6
		SHEET TOTAL	45.6

THERMOPLASTIC PAVEMENT MARKING LINE, 4" (78000200)

LOCATION	SKIP-DASH YELLOW (FOOT)	DOUBLE YELLOW (FOOT)	SOLID WHITE (FOOT)	TOTAL (FOOT)
STA. 13+75.00 TO 16+48.00	-	423	-	423
STA. 16+48.00 TO 18+50.00	20	322	98.5	440.5
NEVADA STREET	-	-	9	9
			SHEET TOTAL	872.5

THERMOPLASTIC PAVEMENT MARKING LINE, 6" (78000400)

LOCATION	SOLID WHITE (FOOT)	LANE LINE EXTENSION WHITE (FOOT)	TOTAL (FOOT)
STA. 13+75.00 TO 16+48.00	343.5	16	359.5
STA. 16+48.00 TO 18+50.00	536	20	556
NEVADA STREET	30	-	30
		SHEET TOTAL	945.5

THERMOPLASTIC PAVEMENT MARKING LINE, 12" (78000600)

LOCATION	DIAGONAL YELLOW (FOOT)	SOLID WHITE (FOOT)	DIAGONAL WHITE (FOOT)	CROSSWALK WHITE (FOOT)	STOP BAR WHITE (FOOT)	TOTAL (FOOT)
STA. 13+75.00 TO 16+48.00	-	68	-	219.5	17.5	305.0
STA. 16+48.00 TO 18+50.00	-	-	22.7	121.7	18.5	162.9
NEVADA STREET	-	-	-	155.6	34.5	190.1
					SHEET TOTAL	658

BICYCLE LANE MARKING (X0322748)

LOCATION	TOTAL (EACH)
STA. 13+75.00 TO 16+48.00	5
STA. 16+48.00 TO 18+50.00	2
SHEET TOTAL	7

LEGEND

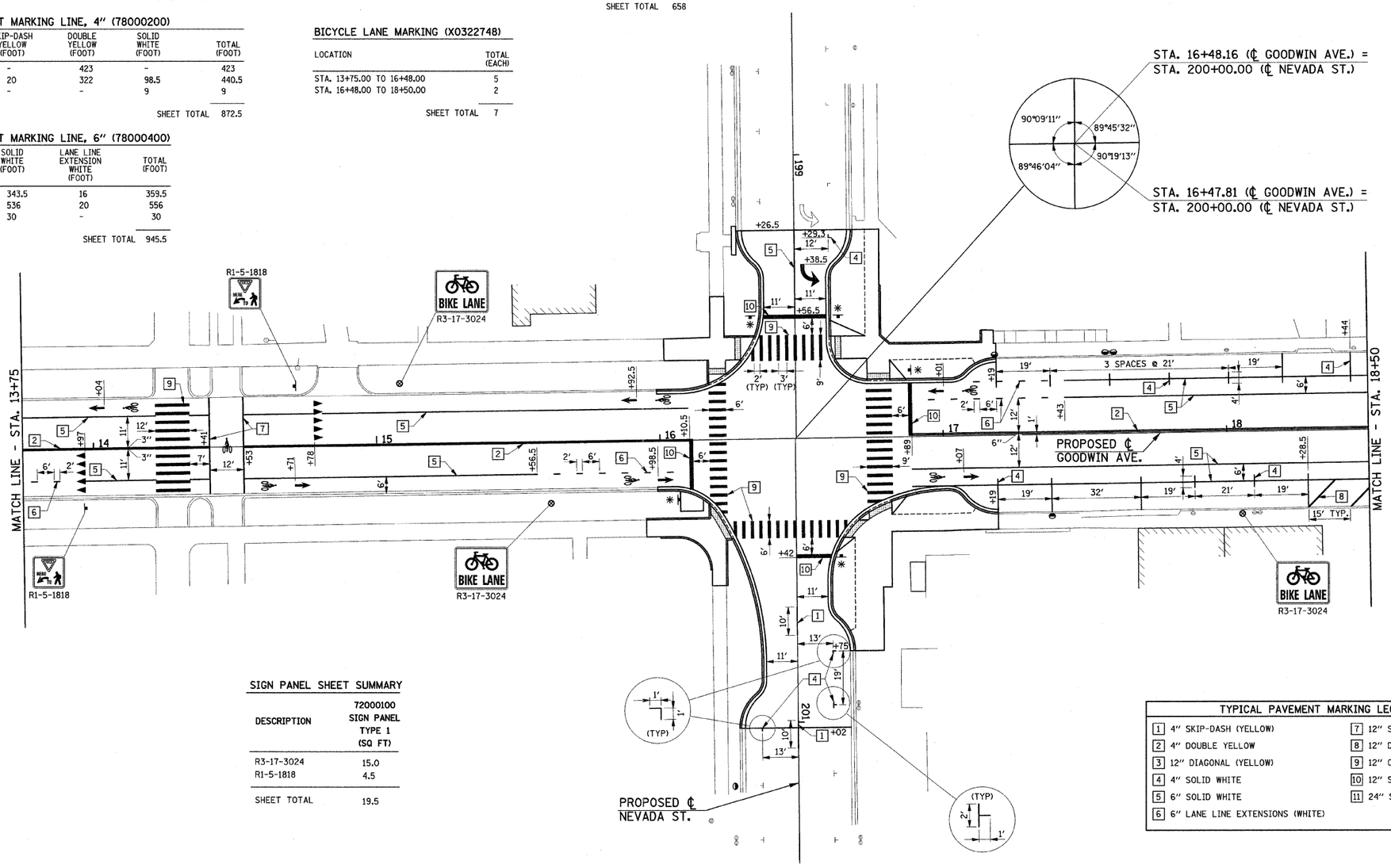
⊗ - SIGN PANEL ON LIGHT POLE

✳ - RELOCATED SIGN PANELS ON PROPOSED WOOD POST

N

0' 20' 40'

SCALE: 1" = 20'



SIGN PANEL SHEET SUMMARY

DESCRIPTION	72000100 SIGN PANEL TYPE 1 (SQ FT)
R3-17-3024	15.0
R1-5-1818	4.5
SHEET TOTAL	19.5

TYPICAL PAVEMENT MARKING LEGEND

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

FILE NAME = p:\u0070052\plans\sheets\45-PavtMarking.dgn	DESIGNED - JAJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND SIGNING PLAN	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
PLOT DATE = 1/12/2009 7:46:56 PM	DRAWN - DLM	REVISED -			7175	07-00456-00-RS	CHAMPAIGN	75 / 46
	CHECKED - JRM	REVISED -				GOODWIN AVENUE	CONTRACT NO. 91392	
	DATE - 01-2009	REVISED -		SCALE : 1"=20' / SHEET NO. 46 OF 75 SHEETS / STA. 13+75 TO STA. 18+50	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

U0070052

CONTRACT NO. 91392

THERMOPLASTIC PAVEMENT MARKING LINE, 4" (78000200)

LOCATION	SKIP-DASH YELLOW (FOOT)	DOUBLE YELLOW (FOOT)	SOLID WHITE (FOOT)	TOTAL (FOOT)
STA. 18+50.00 TO 20+21.00	-	265	24.9	289.9
STA. 20+21.00 TO 22+50.00	10	375	77	452
OREGON STREET	-	-	12	22
			SHEET TOTAL	763.9

THERMOPLASTIC PAVEMENT MARKING LINE, 12" (78000600)

LOCATION	DIAGONAL YELLOW (FOOT)	SOLID WHITE (FOOT)	DIAGONAL WHITE (FOOT)	CROSSWALK WHITE (FOOT)	STOP BAR WHITE (FOOT)	TOTAL (FOOT)
STA. 18+50.00 TO 20+21.00	-	-	42.7	125.5	19.4	187.6
STA. 20+21.00 TO 22+50.00	-	-	-	122.1	16.8	138.9
OREGON STREET	-	-	-	159.4	15	174.4
					SHEET TOTAL	500.9

THERMOPLASTIC PAVEMENT MARKING LINE, 6" (78000400)

LOCATION	SOLID WHITE (FOOT)	LANE LINE EXTENSION WHITE (FOOT)	TOTAL (FOOT)
STA. 18+50.00 TO 20+21.00	383	12	395
STA. 20+21.00 TO 22+50.00	617	24	641
OREGON STREET	-	-	-
		SHEET TOTAL	1036

BICYCLE LANE MARKING (X0322748)

LOCATION	TOTAL (EACH)
STA. 18+50.00 TO 20+21.00	2
STA. 20+21.00 TO 22+50.00	2
SHEET TOTAL	4

LEGEND

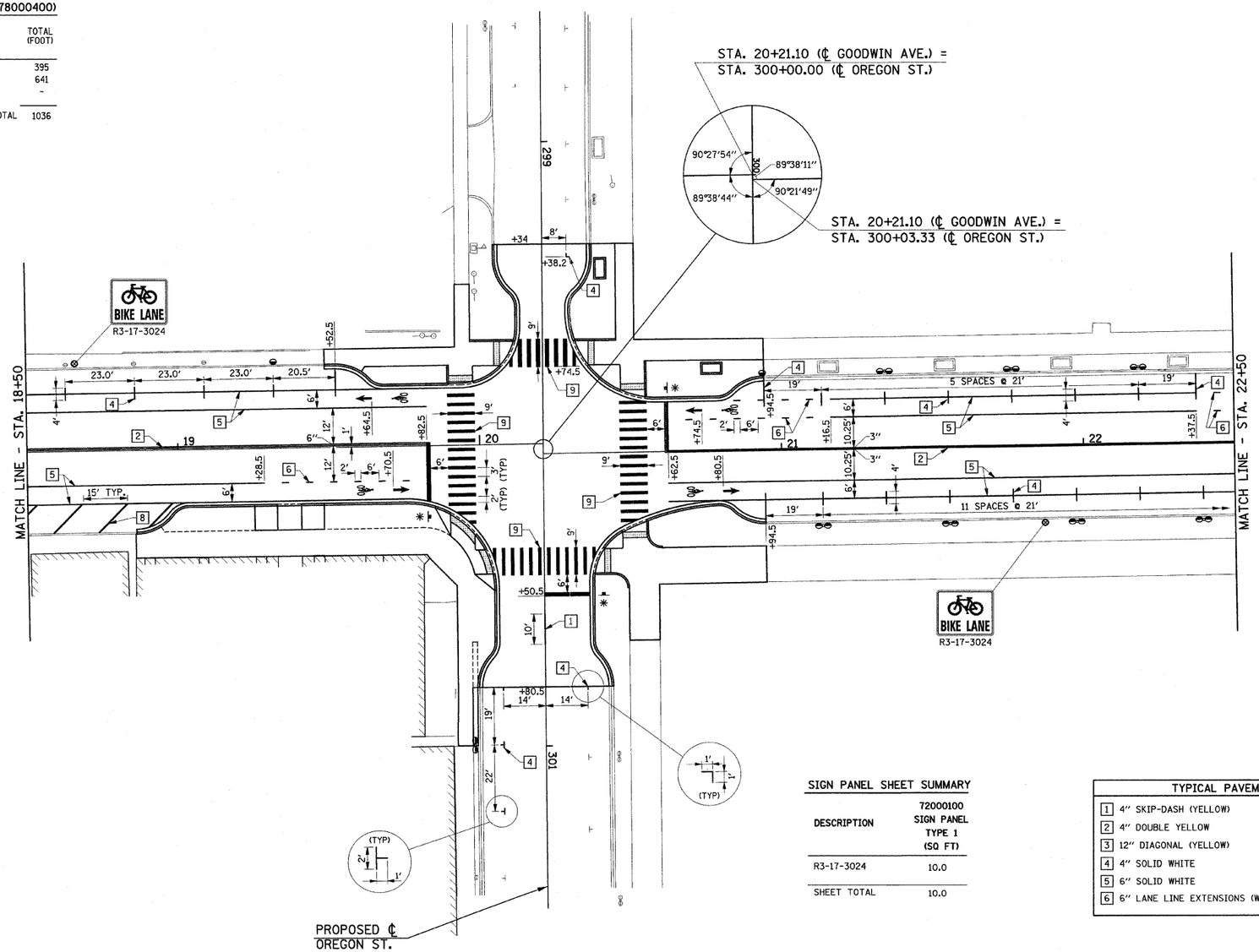
⊗ - SIGN PANEL ON LIGHT POLE

✳ - RELOCATED SIGN PANELS ON PROPOSED WOOD POST

N

0' 20' 40'

SCALE: 1" = 20'



SIGN PANEL SHEET SUMMARY

DESCRIPTION	72000100 SIGN PANEL TYPE 1 (SQ FT)
R3-17-3024	10.0
SHEET TOTAL	10.0

TYPICAL PAVEMENT MARKING LEGEND

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

FILE NAME = p:\u0070052\plans\sheets\45-PavtMarking.dgn	DESIGNED - JAJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
PLOT DATE = 1/12/2009 7:46:57 PM	DRAWN - DLM	REVISED -	
	CHECKED - JRM	REVISED -	
	DATE - 01-2009	REVISED -	

PAVEMENT MARKING AND SIGNING PLAN

SCALE : 1"=20' | SHEET NO. 47 OF 75 SHEETS | STA. 18+50 TO STA. 22+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	07-00456-00-RS	CHAMPAIGN	75	47
	GOODWIN AVENUE	CONTRACT NO. 91392		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

U0070052

CONTRACT NO. 91392

N

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

THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS (78000100)

LOCATION	TURN ARROW (SQ FT)	YIELD BAR (SQ FT)	TOTAL (SQ FT)
STA. 22+50.00 TO 26+25.00	-	30	30
		SHEET TOTAL	30

THERMOPLASTIC PAVEMENT MARKING LINE, 12" (78000600)

LOCATION	DIAGONAL YELLOW (FOOT)	SOLID WHITE (FOOT)	DIAGONAL WHITE (FOOT)	CROSSWALK WHITE (FOOT)	STOP BAR WHITE (FOOT)	TOTAL (FOOT)
STA. 22+50.00 TO 26+25.00	-	-	-	165	-	165
					SHEET TOTAL	165

THERMOPLASTIC PAVEMENT MARKING LINE, 4" (78000200)

LOCATION	SKIP-DASH YELLOW (FOOT)	DOUBLE YELLOW (FOOT)	SOLID WHITE (FOOT)	TOTAL (FOOT)
STA. 22+50.00 TO 26+25.00	-	720	82.5	802.5
			SHEET TOTAL	802.5

BICYCLE LANE MARKING (X0322748)

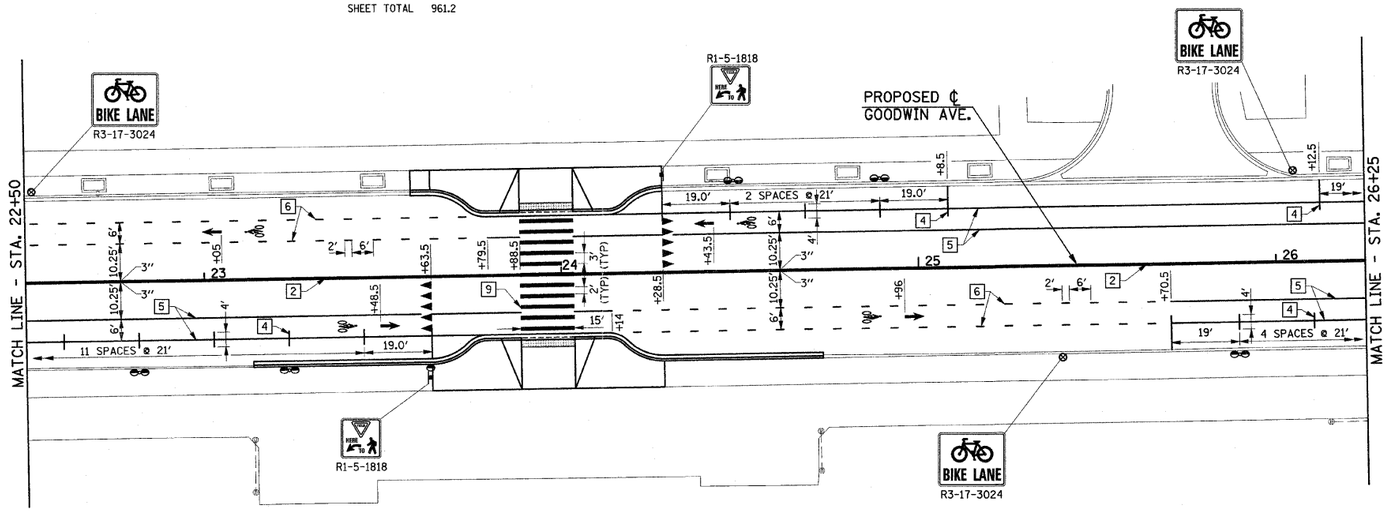
LOCATION	TOTAL (EACH)
STA. 22+50.00 TO 26+25.00	4
SHEET TOTAL	4

THERMOPLASTIC PAVEMENT MARKING LINE, 6" (78000400)

LOCATION	SOLID WHITE (FOOT)	LANE LINE EXTENSION WHITE (FOOT)	TOTAL (FOOT)
STA. 22+50.00 TO 26+25.00	821.2	140	961.2
		SHEET TOTAL	961.2

LEGEND

⊗ - SIGN PANEL ON LIGHT POLE



SIGN PANEL SHEET SUMMARY

DESCRIPTION	72000100 SIGN PANEL TYPE 1 (SQ FT)
R3-17-3024	15.0
R1-5-1818	4.5
SHEET TOTAL	19.5

TYPICAL PAVEMENT MARKING LEGEND

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

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CHECKED	- JRM	REVISED	-
DATE	- 01-2009	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING PLAN

SCALE : 1"=20' | SHEET NO. 48 OF 75 SHEETS | STA. 22+50 TO STA. 26+25

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	07-00456-00-RS	CHAMPAIGN	75	48
	GOODWIN AVENUE	CONTRACT NO. 91392		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

U0070052

CONTRACT NO. 91392

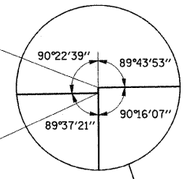
N

0′ 20′ 40′

SCALE: 1″ = 20′

STA. 27+69.78 (℄ GOODWIN AVE.) =
STA. 400+00.00 (℄ ILLINOIS ST.)

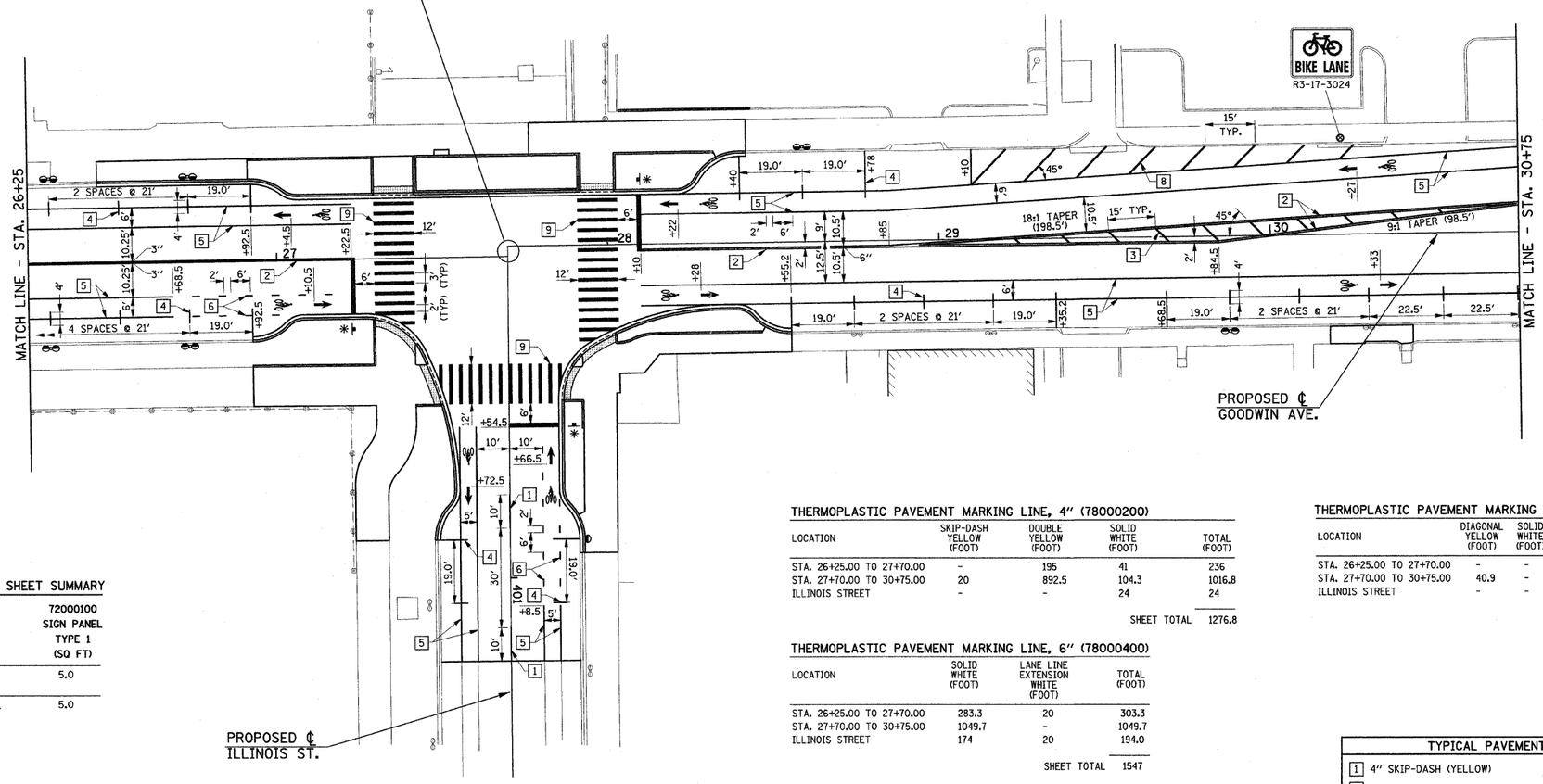
STA. 27+69.78 (℄ GOODWIN AVE.) =
STA. 400+03.10 (℄ ILLINOIS ST.)



LEGEND

⊗ - SIGN PANEL ON LIGHT POLE

✳ - RELOCATED SIGN PANELS ON PROPOSED WOOD POST



SIGN PANEL SHEET SUMMARY

DESCRIPTION	72000100 SIGN PANEL TYPE 1 (SQ FT)
R3-17-3024	5.0
SHEET TOTAL	5.0

THERMOPLASTIC PAVEMENT MARKING LINE, 4″ (78000200)

LOCATION	SKIP-DASH YELLOW (FOOT)	DOUBLE YELLOW (FOOT)	SOLID WHITE (FOOT)	TOTAL (FOOT)
STA. 26+25.00 TO 27+70.00	-	195	41	236
STA. 27+70.00 TO 30+75.00	20	892.5	104.3	1016.8
ILLINOIS STREET	-	-	24	24
			SHEET TOTAL	1276.8

THERMOPLASTIC PAVEMENT MARKING LINE, 6″ (78000400)

LOCATION	SOLID WHITE (FOOT)	LANE LINE EXTENSION WHITE (FOOT)	TOTAL (FOOT)
STA. 26+25.00 TO 27+70.00	283.3	20	303.3
STA. 27+70.00 TO 30+75.00	1049.7	-	1049.7
ILLINOIS STREET	174	20	194.0
		SHEET TOTAL	1547

BICYCLE LANE MARKING (X0322748)

LOCATION	TOTAL (EACH)
STA. 26+25.00 TO 27+70.00	2
STA. 27+00.00 TO 30+75.00	4
ILLINOIS STREET	2
SHEET TOTAL	8

THERMOPLASTIC PAVEMENT MARKING LINE, 12″ (78000600)

LOCATION	DIAGONAL YELLOW (FOOT)	SOLID WHITE (FOOT)	DIAGONAL WHITE (FOOT)	CROSSWALK WHITE (FOOT)	STOP BAR WHITE (FOOT)	TOTAL (FOOT)
STA. 26+25.00 TO 27+70.00	-	-	-	148.5	16.8	165.3
STA. 27+70.00 TO 30+75.00	40.9	-	86	171.6	17	315.5
ILLINOIS STREET	-	-	-	145.0	15	160.0
					SHEET TOTAL	640.8

TYPICAL PAVEMENT MARKING LEGEND

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

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING PLAN

SCALE : 1″=20′ | SHEET NO. 49 OF 75 SHEETS | STA. 26+25 TO STA. 30+75

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	07-00456-00-RS	CHAMPAIGN	75	49
	GOODWIN AVENUE	CONTRACT NO. 91392		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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CONTRACT NO. 91392

THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS (78000100)

LOCATION	TURN ARROW (SQ FT)	YIELD BAR (SQ FT)	TOTAL (SQ FT)
STA. 30+75.00 TO 33+03.00	46.8	-	46.8
STA. 33+03.00 TO 34+75.00	31.2	-	31.2
GREEN STREET	31.2	-	31.2
		SHEET TOTAL	109.2

BICYCLE LANE MARKING (X0322748)

LOCATION	TOTAL (EACH)
STA. 30+75.00 TO 33+03.00	2
STA. 33+03.00 TO 34+75.00	3
SHEET TOTAL	5

THERMOPLASTIC PAVEMENT MARKING LINE, 4" (78000200)

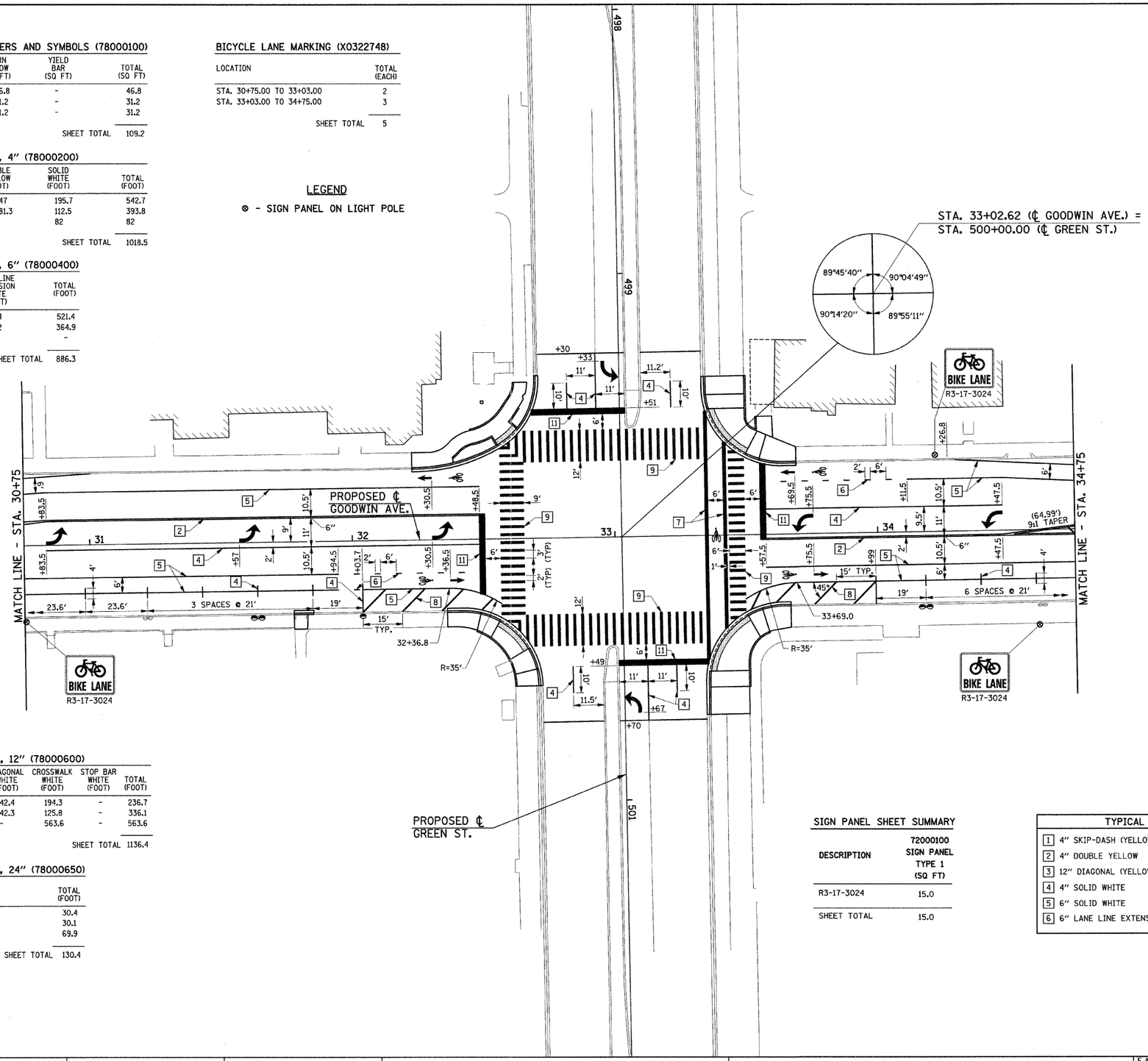
LOCATION	SKIP-DASH YELLOW (FOOT)	DOUBLE YELLOW (FOOT)	SOLID WHITE (FOOT)	TOTAL (FOOT)
STA. 30+75.00 TO 33+03.00	-	347	195.7	542.7
STA. 33+03.00 TO 34+75.00	-	281.3	112.5	393.8
GREEN STREET	-	-	82	82
			SHEET TOTAL	1018.5

THERMOPLASTIC PAVEMENT MARKING LINE, 6" (78000400)

LOCATION	SOLID WHITE (FOOT)	LANE LINE EXTENSION WHITE (FOOT)	TOTAL (FOOT)
STA. 30+75.00 TO 33+03.00	507.4	14	521.4
STA. 33+03.00 TO 34+75.00	352.9	12	364.9
GREEN STREET	-	-	-
		SHEET TOTAL	886.3

LEGEND

⊗ - SIGN PANEL ON LIGHT POLE



THERMOPLASTIC PAVEMENT MARKING LINE, 12" (78000600)

LOCATION	DIAGONAL YELLOW (FOOT)	SOLID WHITE (FOOT)	DIAGONAL WHITE (FOOT)	CROSSWALK WHITE (FOOT)	STOP BAR WHITE (FOOT)	TOTAL (FOOT)
STA. 30+75.00 TO 33+03.00	-	-	42.4	194.3	-	236.7
STA. 33+03.00 TO 34+75.00	3.2	164.8	42.3	125.8	-	336.1
GREEN STREET	-	-	-	563.6	-	563.6
					SHEET TOTAL	1136.4

THERMOPLASTIC PAVEMENT MARKING LINE, 24" (78000650)

LOCATION	STOP BAR WHITE (FOOT)	TOTAL (FOOT)
STA. 30+75.00 TO 33+03.00	30.4	30.4
STA. 33+03.00 TO 34+75.00	30.1	30.1
GREEN STREET	69.9	69.9
	SHEET TOTAL	130.4

SIGN PANEL SHEET SUMMARY

DESCRIPTION	72000100 SIGN PANEL TYPE 1 (SQ FT)
R3-17-3024	15.0
SHEET TOTAL	15.0

TYPICAL PAVEMENT MARKING LEGEND

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

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	DATE - 01-2009	REVISED -	

PAVEMENT MARKING AND SIGNING PLAN

SCALE : 1"=20' | SHEET NO. 50 OF 75 SHEETS | STA. 30+75 TO STA. 34+75

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	07-00456-00-RS	CHAMPAIGN	75	50
	GOODWIN AVENUE	CONTRACT NO. 91392		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

U0070052

CONTRACT NO. 91392

N

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

THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS (78000100)

LOCATION	TURN ARROW (SQ FT)	YIELD BAR (SQ FT)	TOTAL (SQ FT)
STA. 34+75.00 TO 39+25.00	-	30	30
		SHEET TOTAL	30

THERMOPLASTIC PAVEMENT MARKING LINE, 12" (78000600)

LOCATION	DIAGONAL YELLOW (FOOT)	SOLID WHITE (FOOT)	DIAGONAL WHITE (FOOT)	CROSSWALK WHITE (FOOT)	STOP BAR WHITE (FOOT)	TOTAL (FOOT)
STA. 34+75.00 TO 39+25.00	152.9	-	95.5	144	-	392.4
					SHEET TOTAL	392.4

THERMOPLASTIC PAVEMENT MARKING LINE, 4" (78000200)

LOCATION	SKIP-DASH YELLOW (FOOT)	DOUBLE YELLOW (FOOT)	SOLID WHITE (FOOT)	TOTAL (FOOT)
STA. 34+75.00 TO 39+25.00	-	1753.6	135.8	1889.4
			SHEET TOTAL	1889.4

BICYCLE LANE MARKING (X0322748)

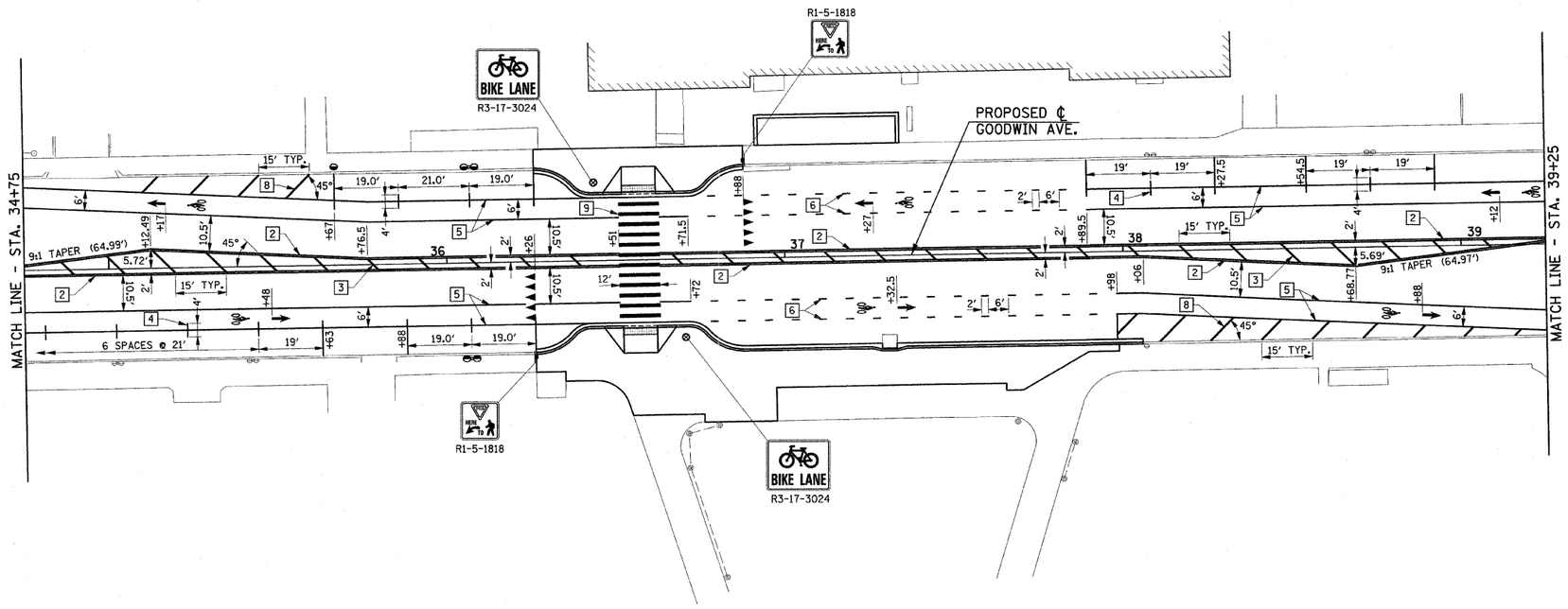
LOCATION	TOTAL (EACH)
STA. 34+75.00 TO 39+25.00	6
SHEET TOTAL	6

THERMOPLASTIC PAVEMENT MARKING LINE, 6" (78000400)

LOCATION	SOLID WHITE (FOOT)	LANE LINE EXTENSION WHITE (FOOT)	TOTAL (FOOT)
STA. 34+75.00 TO 39+25.00	1227.4	116	1343.4
		SHEET TOTAL	1343.4

LEGEND

⊗ - SIGN PANEL ON LIGHT POLE



SIGN PANEL SHEET SUMMARY

DESCRIPTION	72000100 SIGN PANEL TYPE 1 (SQ FT)
R3-17-3024	10.0
R1-5-1818	4.5
SHEET TOTAL	14.5

TYPICAL PAVEMENT MARKING LEGEND

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

FILE NAME = p:\u0070052\plans\sheets\45-PavtMarking.dgn	DESIGNED - JAJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
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	CHECKED - JRM	REVISED -	
	DATE - 01-2009	REVISED -	

PAVEMENT MARKING AND SIGNING PLAN

SCALE : 1"=20' | SHEET NO. 51 OF 75 SHEETS | STA. 34+75 TO STA. 39+25

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	07-00456-00-RS	CHAMPAIGN	75	51
	GOODWIN AVENUE	CONTRACT NO. 91392		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

U0070052

CONTRACT NO. 91392

THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS (78000100)

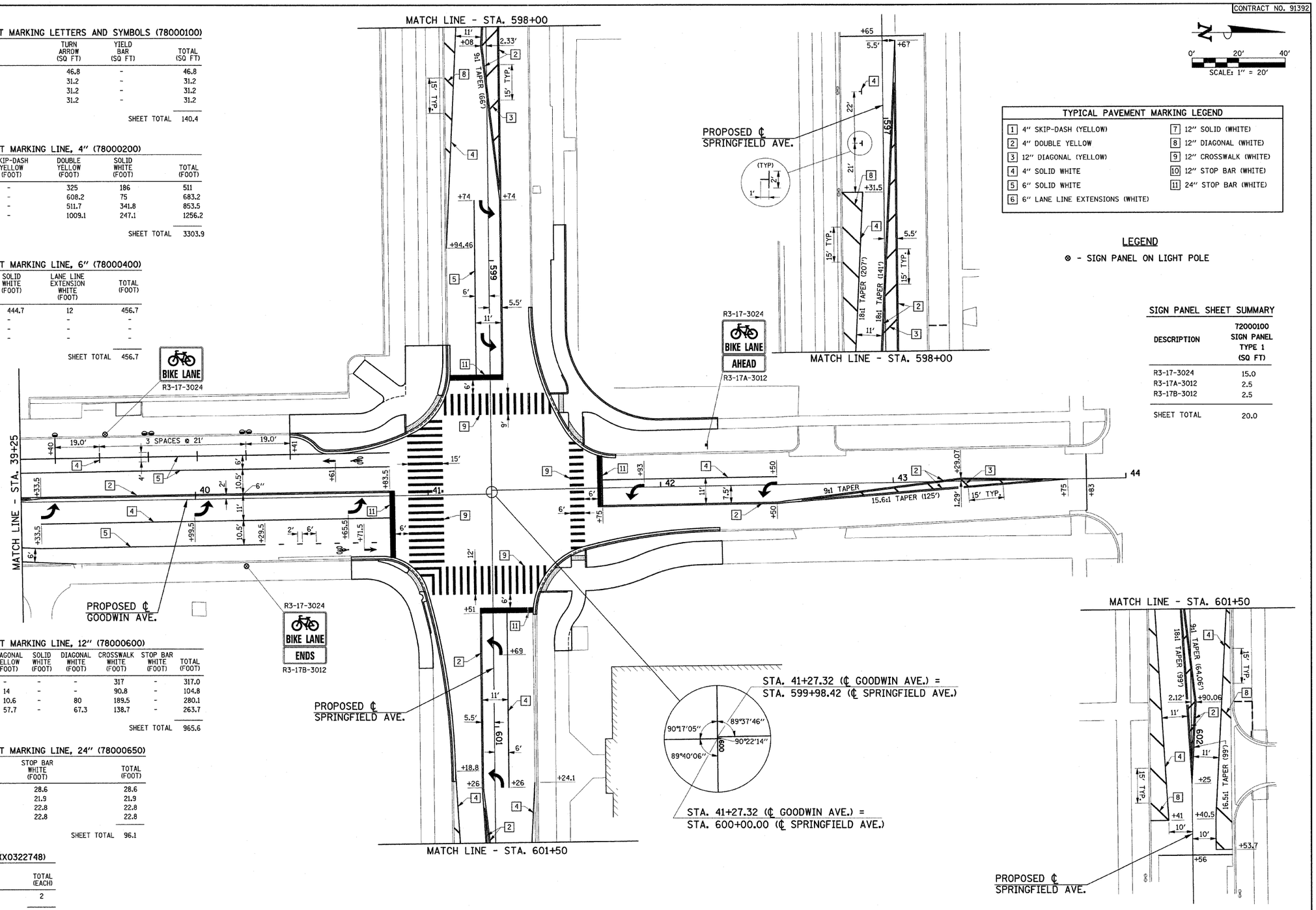
LOCATION	TURN ARROW (SQ FT)	YIELD BAR (SQ FT)	TOTAL (SQ FT)
STA. 39+25.00 TO 41+27.00	46.8	-	46.8
STA. 41+27.00 TO 43+83.00	31.2	-	31.2
SPRINGFIELD AVENUE - EAST	31.2	-	31.2
SPRINGFIELD AVENUE - WEST	31.2	-	31.2
		SHEET TOTAL	140.4

THERMOPLASTIC PAVEMENT MARKING LINE, 4" (78000200)

LOCATION	SKIP-DASH YELLOW (FOOT)	DOUBLE YELLOW (FOOT)	SOLID WHITE (FOOT)	TOTAL (FOOT)
STA. 39+25.00 TO 41+27.00	-	325	186	511
STA. 41+27.00 TO 43+83.00	-	608.2	75	683.2
SPRINGFIELD AVENUE - EAST	-	511.7	341.8	853.5
SPRINGFIELD AVENUE - WEST	-	1009.1	247.1	1256.2
			SHEET TOTAL	3303.9

THERMOPLASTIC PAVEMENT MARKING LINE, 6" (78000400)

LOCATION	SOLID WHITE (FOOT)	LANE LINE EXTENSION WHITE (FOOT)	TOTAL (FOOT)
STA. 39+25.00 TO 41+27.00	444.7	12	456.7
STA. 41+27.00 TO 43+83.00	-	-	-
SPRINGFIELD AVENUE - EAST	-	-	-
SPRINGFIELD AVENUE - WEST	-	-	-
		SHEET TOTAL	456.7



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

TYPICAL PAVEMENT MARKING LEGEND

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

LEGEND

⊗ - SIGN PANEL ON LIGHT POLE

SIGN PANEL SHEET SUMMARY

DESCRIPTION	72000100 SIGN PANEL TYPE 1 (SQ FT)
R3-17-3024	15.0
R3-17A-3012	2.5
R3-17B-3012	2.5
SHEET TOTAL	20.0

THERMOPLASTIC PAVEMENT MARKING LINE, 12" (78000600)

LOCATION	DIAGONAL YELLOW (FOOT)	SOLID WHITE (FOOT)	DIAGONAL WHITE (FOOT)	CROSSWALK WHITE (FOOT)	STOP BAR WHITE (FOOT)	TOTAL (FOOT)
STA. 39+25.00 TO 41+27.00	-	-	-	317	-	317.0
STA. 41+27.00 TO 43+83.00	14	-	-	90.8	-	104.8
SPRINGFIELD AVENUE - EAST	10.6	-	80	189.5	-	280.1
SPRINGFIELD AVENUE - WEST	57.7	-	67.3	138.7	-	263.7
					SHEET TOTAL	965.6

THERMOPLASTIC PAVEMENT MARKING LINE, 24" (78000650)

LOCATION	STOP BAR WHITE (FOOT)	TOTAL (FOOT)
STA. 39+25.00 TO 41+27.00	28.6	28.6
STA. 41+27.00 TO 43+83.00	21.9	21.9
SPRINGFIELD AVENUE - EAST	22.8	22.8
SPRINGFIELD AVENUE - WEST	22.8	22.8
	SHEET TOTAL	96.1

BICYCLE LANE MARKING (X0322748)

LOCATION	TOTAL (EACH)
STA. 39+25.00 TO 41+27.00	2
SHEET TOTAL	2

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PLOT DATE = 1/12/2009 7:47:02 PM	DRAWN - DLM	REVISED -				GOODWIN AVENUE	CONTRACT NO. 91392
	CHECKED - JRM	REVISED -					
	DATE - 01-2009	REVISED -		SCALE : 1"=20' / SHEET NO. 52 OF 75 SHEETS / STA. 39+75 TO STA. 43+83	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT

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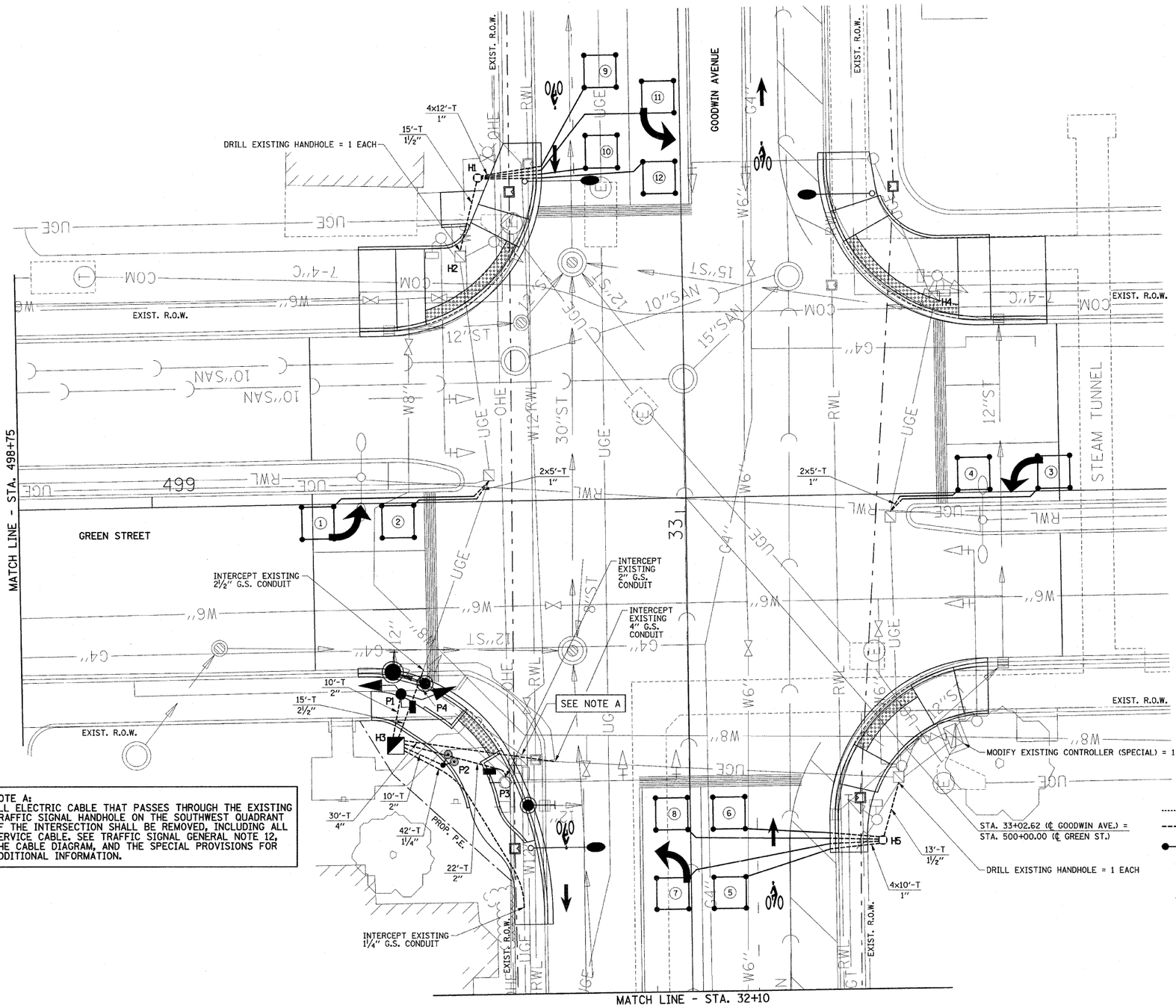
CONTRACT NO. 91392



DETECTOR LOOP DATA				
NO.	STATION	OFFSET	SIZE	NO. OF TURNS
1	499+31.0	3.5' RT	6' x 6'	4
2	499+46.0	3.5' RT	6' x 6'	4
3	500+69.0	3.5' LT	6' x 6'	4
4	500+54.0	3.5' LT	6' x 6'	4
5	32+28.5	7.2' RT	6' x 6'	4
6	32+43.5	7.2' RT	6' x 6'	4
7	32+28.5	3.5' LT	6' x 6'	4
8	32+43.5	3.5' LT	6' x 6'	4
9	33+82.5	14.8' LT	6' x 6'	5
10	33+67.5	14.8' LT	6' x 6'	5
11	33+77.5	4.0' LT	6' x 6'	5
12	33+62.5	4.0' LT	6' x 6'	5

N

0' 10' 20'
SCALE: 1" = 10'

HANDHOLE AND GULFBOX JUNCTION DATA			
NO.	STATION	OFFSET	DESCRIPTION
H1	33+63.0	38.0' LT	GULFBOX JUNCTION, CC
H2	33+48.5	41.5' LT	HANDHOLE TO BE ADJUSTED
H3	32+57.0	55.0' LT	HANDHOLE, PCC
H4	33+39.4	47.2' RT	HANDHOLE TO BE ADJUSTED
H5	32+38.0	36.0' RT	GULFBOX JUNCTION, CC

POST AND MAST ARM DATA				
NO.	STATION	OFFSET	DESCRIPTION	FOUNDATION
P1	32+66.7	53.9' LT	TRAFFIC SIGNAL POST, 16' (WITH 2 RELOCATED TRAFFIC SIGNAL HEADS FROM P4 AND 1 RELOCATED PEDESTRIAN SIGNAL HEAD FROM P3)	A
P2	32+53.2	46.2' LT	PEDESTRIAN PUSH-BUTTON POST (WITH 2 NEW PEDESTRIAN PUSH-BUTTONS)	(SEE DETAIL)
P3	32+49.8	34.5' LT	EXISTING MAST ARM TO REMAIN (WITH 2 EXISTING TRAFFIC SIGNAL HEADS FROM P3 AND 1 RELOCATED PEDESTRIAN SIGNAL HEAD FROM P3)	(EXISTING)
P4	32+68.4	50.0' LT	EXISTING POST TO BE REMOVED (WITH 2 EXISTING TRAFFIC SIGNAL HEADS RELOCATED TO P1)	(REMOVED)

NOTE:
THE INTERSECTION OF GOODWIN AVENUE AND GREEN STREET SHALL BE ALL-WAY STOP-CONTROLLED DURING THE CONSTRUCTION OF THE PROPOSED TRAFFIC SIGNAL IMPROVEMENTS. THE CONTRACTOR SHALL FURNISH, INSTALL, AND MAINTAIN TEMPORARY STOP SIGNS ON EACH QUADRANT OF THE INTERSECTION AND IN THE MEDIANS AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL COMPLETE, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

NOTE A:
ALL ELECTRIC CABLE THAT PASSES THROUGH THE EXISTING TRAFFIC SIGNAL HANDHOLE ON THE SOUTHWEST QUADRANT OF THE INTERSECTION SHALL BE REMOVED, INCLUDING ALL SERVICE CABLE. SEE TRAFFIC SIGNAL GENERAL NOTE 12, THE CABLE DIAGRAM, AND THE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.

TRAFFIC SIGNAL LEGEND

- CONDUIT AUGERED
- CONDUIT IN TRENCH
- STEEL COMB. MAST ARM ASSEMBLY AND POLE 35' M.H., 12' LUM. ARM, 400W MH LUMINAIRE
- SIGNAL POST
- SIGNAL HEAD
- SIGNAL HEAD WITH BACKPLATE
- PEDESTRIAN SIGNAL HEAD
- PEDESTRIAN PUSH-BUTTON POST
- PEDESTRIAN PUSH-BUTTON
- CONTROLLER AND CABINET
- DETECTOR LOOP, TYPE I
- SERVICE INSTALLATION
- CONFIRMATION BEACON
- EMERGENCY VEHICLE PREEMPTION DETECTOR
- CONCRETE HANDHOLE
- CONCRETE DOUBLE HANDHOLE
- GULFBOX JUNCTION
- LIGHT POLE (SEE ROADWAY LIGHTING PLANS)
- JUNCTION BOX (SPECIAL) (SEE ROADWAY LIGHTING PLANS)
- ROADWAY LIGHTING CONDUIT (SEE ROADWAY LIGHTING PLANS)
- CONDUIT LENGTH → 50'-T ← CONDUIT AUGERED (A) OR CONDUIT IN TRENCH (T)
- CONDUIT SIZE → 2"PE ← POLYETHYLENE DUCT (IF NOTED)

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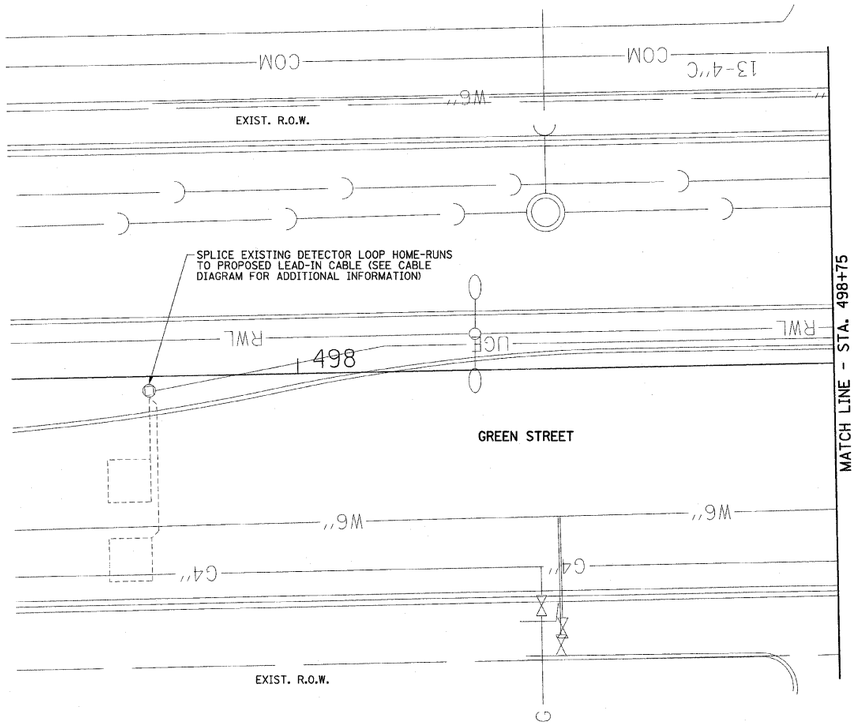
GOODWIN AVENUE & GREEN STREET
TRAFFIC SIGNAL PLANS
TRAFFIC SIGNAL LAYOUT

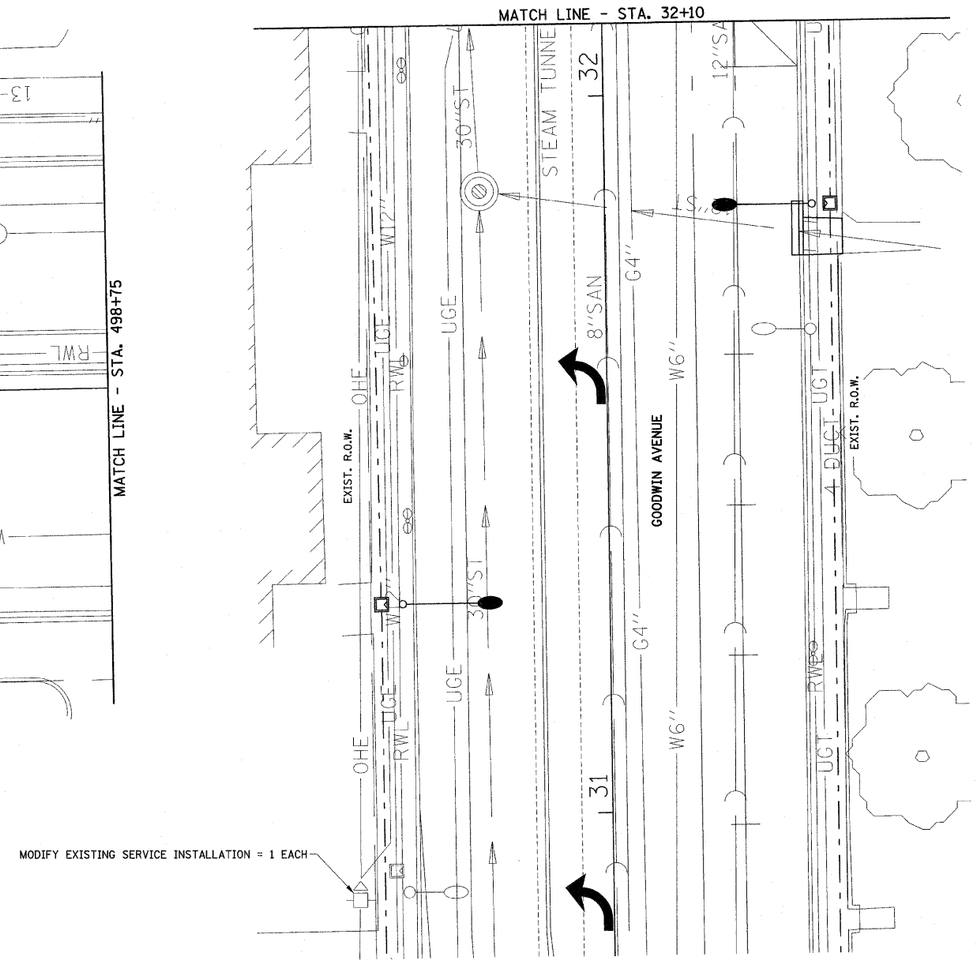
SCALE : 1"=10' | SHEET NO. 53 OF 75 SHEETS | STA. | TO STA.

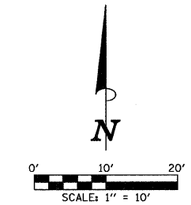
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	07-00456-00-RS	CHAMPAIGN	75	53
	GOODWIN AVENUE	CONTRACT NO. 91392		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

U0070052

CONTRACT NO. 91392







EXISTING TRAFFIC SIGNAL EQUIPMENT TO BE REMOVED

A. THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE CITY OF URBANA, AND SHALL BE MOVED TO AND STORED AT A LOCATION DESIGNATED BY THE ENGINEER FOR PICK-UP BY THE CITY'S FORCES:

ITEM	UNIT	QUANTITY
TRAFFIC SIGNAL POST (SOUTHWEST QUADRANT)	EACH	1
PEDESTRIAN PUSH-BUTTON (SOUTHWEST QUADRANT)	EACH	2
MICROWAVE DETECTOR	EACH	2
LOOP DETECTOR AMPLIFIER	EACH	8

THIS WORK WILL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT. REMOVAL OF INDIVIDUAL ITEMS WILL NOT BE PAID FOR SEPARATELY.

B. THE CONTRACTOR SHALL REMOVE THE FOLLOWING EXISTING TRAFFIC SIGNAL ITEMS AND DISPOSE OF THEM IN ACCORDANCE WITH THE CONTRACT DOCUMENTS:

ITEM	UNIT	QUANTITY
HANDHOLE (SOUTHWEST QUADRANT)	EACH	1
CONCRETE FOUNDATION (SOUTHWEST QUADRANT)	EACH	1

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR REMOVE EXISTING HANDHOLE AND REMOVE EXISTING CONCRETE FOUNDATION.

C. THE CONTRACTOR SHALL REMOVE THE EXISTING ELECTRIC CABLE AS SHOWN ON THE PLANS AND DISPOSE OF IT IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. CABLE THAT IS REMOVED SHALL NOT BE REUSED. THIS WORK WILL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR REMOVE ELECTRIC CABLE FROM CONDUIT (SPECIAL). REMOVAL OF INDIVIDUAL CABLES WILL NOT BE PAID FOR SEPARATELY.

TRAFFIC SIGNAL LEGEND

- CONDUIT AUGERED
- CONDUIT IN TRENCH
- STEEL COMB. MAST ARM ASSEMBLY AND POLE 35' M.H., 12' LUM. ARM, 400W MH LUMINAIRE
- SIGNAL POST
- SIGNAL HEAD
- SIGNAL HEAD WITH BACKPLATE
- PEDESTRIAN SIGNAL HEAD
- PEDESTRIAN PUSH-BUTTON POST
- PEDESTRIAN PUSH-BUTTON
- CONTROLLER AND CABINET
- DETECTOR LOOP, TYPE I
- SERVICE INSTALLATION
- CONFIRMATION BEACON
- EMERGENCY VEHICLE PREEMPTION DETECTOR
- CONCRETE HANDHOLE
- CONCRETE DOUBLE HANDHOLE
- GULFBOX JUNCTION
- LIGHT POLE (SEE ROADWAY LIGHTING PLANS)
- JUNCTION BOX (SPECIAL) (SEE ROADWAY LIGHTING PLANS)
- ROADWAY LIGHTING CONDUIT (SEE ROADWAY LIGHTING PLANS)
- CONDUIT LENGTH → 50'-T ← CONDUIT AUGERED (A) OR CONDUIT IN TRENCH (T)
- CONDUIT SIZE → 2"PE ← POLYETHYLENE DUCT (IF NOTED)

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GOODWIN AVENUE & GREEN STREET
TRAFFIC SIGNAL PLANS
TRAFFIC SIGNAL LAYOUT

SCALE : 1"=10' | SHEET NO. 54 OF 75 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	07-00456-00-RS	CHAMPAIGN	75	54
	GOODWIN AVENUE	CONTRACT NO. 91392		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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CONTRACT NO. 91392

BILL OF MATERIALS

ITEM	UNIT	QUANTITY	
CONDUIT IN TRENCH, 1" DIA., PVC	FOOT	108	
CONDUIT IN TRENCH, 1¼" DIA., PVC	FOOT	42	
CONDUIT IN TRENCH, 1½" DIA., PVC	FOOT	28	
CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	42	
CONDUIT IN TRENCH, 2½" DIA., PVC	FOOT	15	
CONDUIT IN TRENCH, 4" DIA., PVC	FOOT	30	
HANDHOLE TO BE ADJUSTED	EACH	2	
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1	
GULFBOX JUNCTION, COMPOSITE CONCRETE	EACH	2	
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	13	
TRENCH AND BACKFILL WITH SCREENINGS OR SAND	FOOT	252	
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 2C	FOOT	420	
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3C	FOOT	1220	
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C	FOOT	410	
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7C	FOOT	820	
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 3 PAIR	FOOT	1260	
TRAFFIC SIGNAL POST, 16 FT.	EACH	1	
PEDESTRIAN PUSH-BUTTON POST, TYPE I	EACH	1	
CONCRETE FOUNDATION, TYPE A	FOOT	3	*
DRILL EXISTING HANDHOLE	EACH	2	
DETECTOR LOOP, TYPE I	FOOT	540	
PEDESTRIAN PUSH-BUTTON	EACH	2	
RELOCATE EXISTING SIGNAL HEAD	EACH	2	
RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	2	
MODIFY EXISTING CONTROLLER (SPECIAL)	EACH	1	*
REMOVE EXISTING HANDHOLE	EACH	1	
REMOVE EXISTING CONCRETE FOUNDATION	EACH	1	
MODIFY EXISTING SERVICE INSTALLATION	EACH	1	
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	L SUM	0.1	
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	760	*
ELECTRIC CABLE IN CONDUIT, NO. 20 3C, TWISTED, SHIELDED	FOOT	520	
INDUCTIVE LOOP DETECTOR, RACK MOUNTED	EACH	8	
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 1C	FOOT	660	
REMOVE ELECTRIC CABLE FROM CONDUIT (SPECIAL)	L SUM	1	

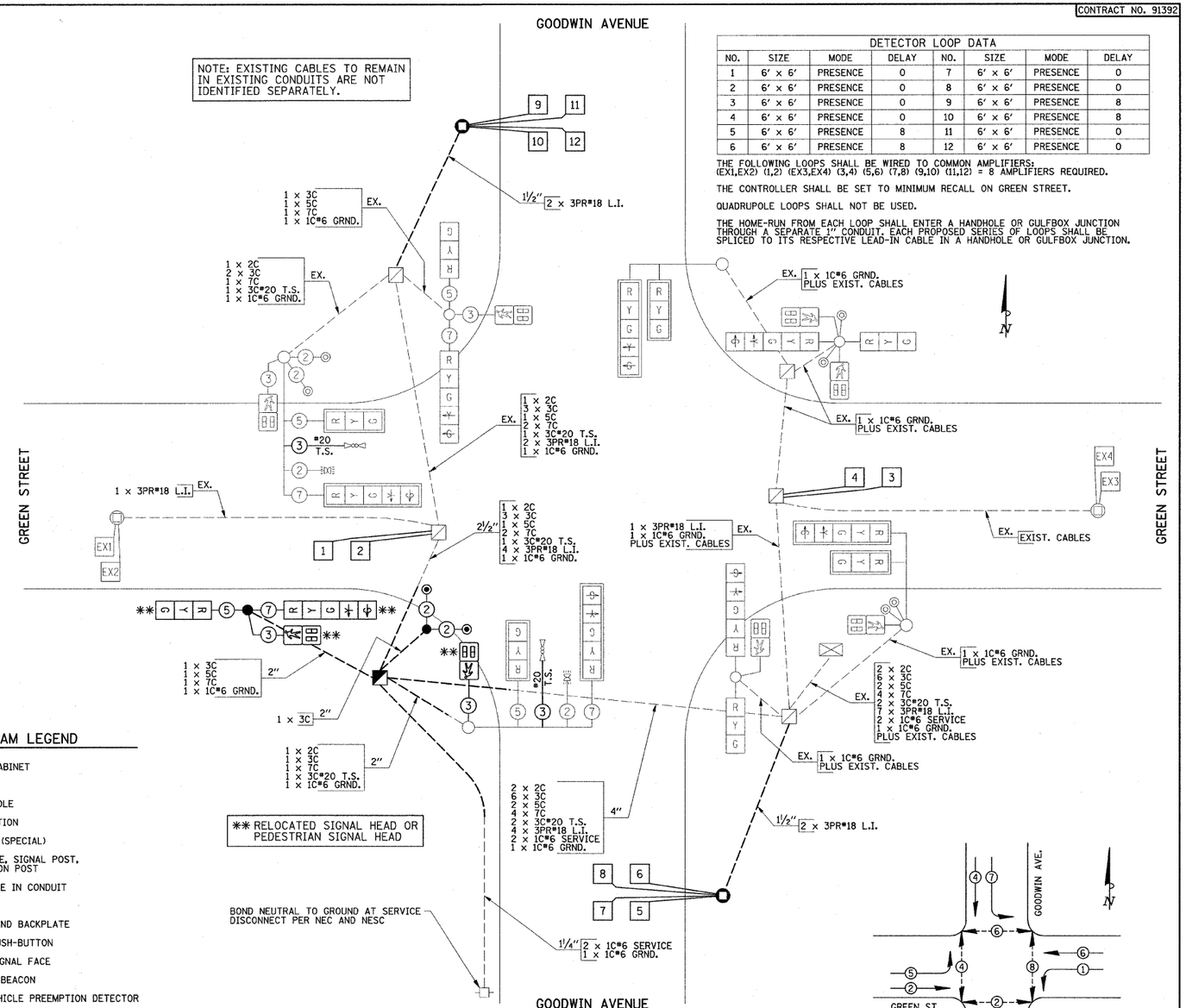
* SEE SPECIAL PROVISIONS FOR SYSTEM GROUNDING INFORMATION.

TRAFFIC SIGNAL GENERAL NOTES

1. THE ACTUAL LOCATIONS OF ALL SIGNAL FOUNDATIONS AND HANDHOLES WILL BE VERIFIED IN THE FIELD BY THE ENGINEER.
2. POST MOUNTED SIGNAL HEADS SHALL BE INSTALLED SUCH THAT NO PART OF THE SIGNAL HEAD IS WITHIN TWO (2) FEET OF THE FACE OF CURB.
3. 12" LENSES SHALL BE USED ON ALL SIGNAL FACES. LED INDICATIONS SHALL BE USED ON ALL SIGNAL HEADS AND PEDESTRIAN SIGNAL HEADS. PEDESTRIAN SIGNAL HEAD FACES SHALL BE SYMBOLS WITH COUNTDOWN TIMERS.
4. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
6. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PLACING CONDUIT AT GREATER THAN 2 FOOT DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES OR TO MATCH THE DEPTH OF THE EXISTING CONDUIT TO BE INTERCEPTED.
7. A ¼" POLYPROPYLENE PULL ROPE SHALL BE INSTALLED IN ALL CONDUIT RUNS EXCEEDING 20 FEET. A MINIMUM OF 2 FEET OF ROPE SHALL BE PROVIDED AT EACH END OF A CONDUIT RUN. THE ROPE SHALL BE INCLUDED IN THE COST OF THE RESPECTIVE CONDUIT PAY ITEM.
8. ALL ADAPTERS REQUIRED TO CONNECT THE PROPOSED CONDUIT TO THE EXISTING CONDUIT SHALL BE INCLUDED IN THE COST OF THE RESPECTIVE CONDUIT PAY ITEM, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ELECTRICAL SERVICE FOR THE TRAFFIC SIGNALS. THE CONTRACTOR SHALL CONTACT THE UTILITY COMPANY AND THE CITY OF URBANA PRIOR TO COMMENCEMENT OF WORK FOR THE REQUIREMENTS FOR THE SERVICE INSTALLATION.
10. CONTROLLER PROGRAMMING OF SIGNAL TIMING WILL BE PROVIDED BY THE CITY OF URBANA.
11. THE ELECTRIC CABLE FOR EACH EXISTING LIGHT DETECTOR SHALL BE A CONTINUOUS UNBROKEN RUN FROM THE LIGHT DETECTOR TO THE LIGHT DETECTOR AMPLIFIER. SPLICES IN THE CABLE SHALL NOT BE ALLOWED.
12. THE EXISTING ELECTRIC CABLES IN THE MAST ARM POLES AND SIGNAL POSTS THAT WILL REMAIN ON THE NORTHWEST AND SOUTHWEST QUADRANTS, EXCEPT FOR THE EXISTING LIGHT DETECTOR CABLES, MAY REMAIN IN THE POLES/POSTS AND BE SPLICED TO THE PROPOSED CABLES IN THE EXISTING POLE/POST HANDHOLES UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
13. THE THREE SECTION AND FIVE SECTION SIGNAL HEADS THAT OPERATE TOGETHER IN THE SAME PHASE AT THE SAME LOCATION WILL BE COMBINED ON A SINGLE SEVEN CONDUCTOR CABLE. TWO PEDESTRIAN PUSH-BUTTONS AT THE SAME LOCATION WILL BE COMBINED ON A SINGLE THREE CONDUCTOR CABLE. SPLICES WILL BE MADE AT THE POLE HANDHOLE OR PUSH-BUTTON POST CAP WITH INDIVIDUAL CABLES RUNNING FROM THE SPLICE TO EACH SIGNAL HEAD OR PEDESTRIAN PUSH-BUTTON.
14. THE EXISTING "NO TURN ON RED" SIGN ON THE SOUTHWEST QUADRANT SHALL BE RELOCATED FROM THE EXISTING TRAFFIC SIGNAL POST TO THE PROPOSED TRAFFIC SIGNAL POST, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
15. THE EXISTING PEDESTRIAN PUSH-BUTTON SIGNS ON THE SOUTHWEST QUADRANT SHALL BE RELOCATED FROM THE EXISTING MAST ARM POLE TO THE PROPOSED PEDESTRIAN PUSH-BUTTON POST, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
16. THE CONCRETE FOUNDATION FOR THE PEDESTRIAN PUSH-BUTTON POST SHALL BE INCLUDED IN THE COST OF THE PEDESTRIAN PUSH-BUTTON POST.
17. DETECTOR LOOPS SHALL BE INSTALLED PRIOR TO CONSTRUCTION OF THE HMA SURFACE COURSE.

CABLE DIAGRAM LEGEND

- CONTROLLER CABINET
- HANDHOLE
- DOUBLE HANDHOLE
- GULFBOX JUNCTION
- JUNCTION BOX (SPECIAL)
- MAST ARM POLE, SIGNAL POST, OR PUSH-BUTTON POST
- ELECTRIC CABLE IN CONDUIT
- SIGNAL FACE
- SIGNAL FACE AND BACKPLATE
- PEDESTRIAN PUSH-BUTTON
- PEDESTRIAN SIGNAL FACE
- CONFIRMATION BEACON
- EMERGENCY VEHICLE PREEMPTION DETECTOR
- SERVICE INSTALLATION
- DETECTOR LOOP, TYPE I (WITH LOOP NO.)
- LUMINAIRE
- (3) DENOTES NUMBER OF CONDUCTORS ALL CABLE #14 EXCEPT AS INDICATED
- L.I. LEAD-IN CABLE (TWISTED, SHIELDED)
- T.S. TWISTED, SHIELDED
- GRND. GROUNDING CABLE (GREEN)
- 2" [1 × 5C / 1 × 7C] — NUMBER OF CABLES IN CONDUIT; NUMBER OF CONDUCTORS IN EACH CABLE; CONDUIT SIZE



CABLE DIAGRAM

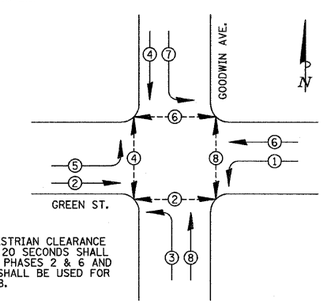
DETECTOR LOOP DATA							
NO.	SIZE	MODE	DELAY	NO.	SIZE	MODE	DELAY
1	6' × 6'	PRESENCE	0	7	6' × 6'	PRESENCE	0
2	6' × 6'	PRESENCE	0	8	6' × 6'	PRESENCE	0
3	6' × 6'	PRESENCE	0	9	6' × 6'	PRESENCE	8
4	6' × 6'	PRESENCE	0	10	6' × 6'	PRESENCE	8
5	6' × 6'	PRESENCE	8	11	6' × 6'	PRESENCE	0
6	6' × 6'	PRESENCE	8	12	6' × 6'	PRESENCE	0

THE FOLLOWING LOOPS SHALL BE WIRED TO COMMON AMPLIFIERS:
(EX1,EX2) (1,2) (EX3,EX4) (3,4) (5,6) (7,8) (9,10) (11,12) = 8 AMPLIFIERS REQUIRED.

THE CONTROLLER SHALL BE SET TO MINIMUM RECALL ON GREEN STREET.

QUADRUPOLE LOOPS SHALL NOT BE USED.

THE HOME-RUN FROM EACH LOOP SHALL ENTER A HANDHOLE OR GULFBOX JUNCTION THROUGH A SEPARATE 1" CONDUIT. EACH PROPOSED SERIES OF LOOPS SHALL BE SPLICED TO ITS RESPECTIVE LEAD-IN CABLE IN A HANDHOLE OR GULFBOX JUNCTION.



NOTE: A PEDESTRIAN CLEARANCE INTERVAL OF 20 SECONDS SHALL BE USED FOR PHASES 2 & 6 AND 24 SECONDS SHALL BE USED FOR PHASES 4 & 8.

PHASE DESIGNATION DIAGRAM

PHASE DESIGNATION DIAGRAM LEGEND

- (*) DUAL ENTRY PHASE
- (*) PEDESTRIAN PHASE
- * NUMBER REFERS TO ASSOCIATED PHASE

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GOODWIN AVENUE & GREEN STREET
TRAFFIC SIGNAL PLANS
CABLE DIAGRAM/GENERAL NOTES/BILL OF MATERIALS

SCALE : NONE | SHEET NO. 55 OF 75 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	07-00456-00-RS	CHAMPAIGN	75	55
	GOODWIN AVENUE	CONTRACT NO. 91392		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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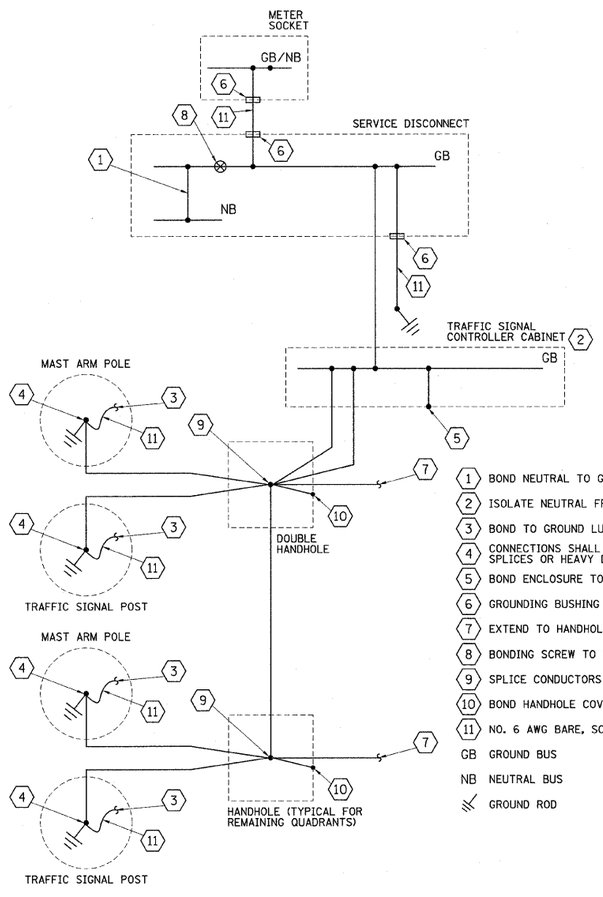


1. BOND NEUTRAL TO GROUND.
2. ISOLATE NEUTRAL FROM GROUND. DO NOT BOND NEUTRAL.
3. BOND TO GROUND LUG IN POLE/POST.
4. CONNECTIONS SHALL BE BY IRREVERSIBLE HYDRAULIC COMPRESSION SPLICES OR HEAVY DUTY GROUND ROD CLAMPS.
5. BOND ENCLOSURE TO GROUND.
6. GROUNDING BUSHING BONDED TO GROUNDING ELECTRODE CONDUCTOR.
7. EXTEND TO HANDHOLES IN OTHER QUADRANTS AS REQUIRED.
8. BONDING SCREW TO BOND GROUND BUS TO EQUIPMENT ENCLOSURE.
9. SPLICE CONDUCTORS USING IRREVERSIBLE HYDRAULIC COMPRESSION SPLICES.
10. BOND HANDHOLE COVER AND FRAME TO GROUND.
11. NO. 6 AWG BARE, SOLID COPPER GROUNDING ELECTRODE CONDUCTOR.

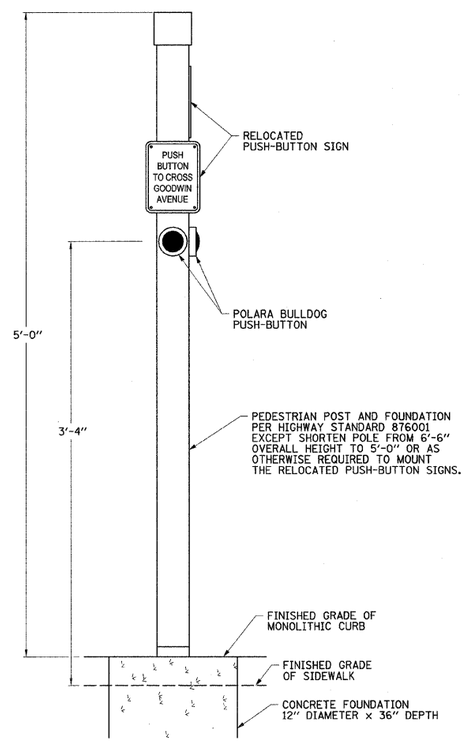
GB GROUND BUS

NB NEUTRAL BUS

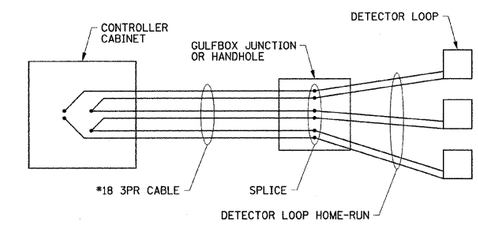
GROUND ROD

TRAFFIC SIGNAL GROUNDING DIAGRAM

ALL WIRES SHALL BE NO. 6 AWG STRANDED COPPER CONDUCTORS WITH XLP INSULATION UNLESS OTHERWISE INDICATED. THE INSULATION COLOR SHALL BE GREEN.



PEDESTRIAN PUSH-BUTTON POST DETAIL



DETECTOR LOOP WIRING DETAIL

WIRED IN SERIES WITH MULTI-PAIR CABLE

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PLOT DATE = 1/12/2009 7:47:06 PM	DRAWN - JAJ	REVISED -		TRAFFIC SIGNAL DETAILS	7175	07-00456-00-RS	CHAMPAIGN	75	56
	CHECKED - SMW	REVISED -				GOODWIN AVENUE	CONTRACT NO. 91392		
	DATE - 01-2009	REVISED -		SCALE : NONE / SHEET NO. 56 OF 75 SHEETS / STA. / TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TEMPORARY TRAFFIC SIGNAL NOTES

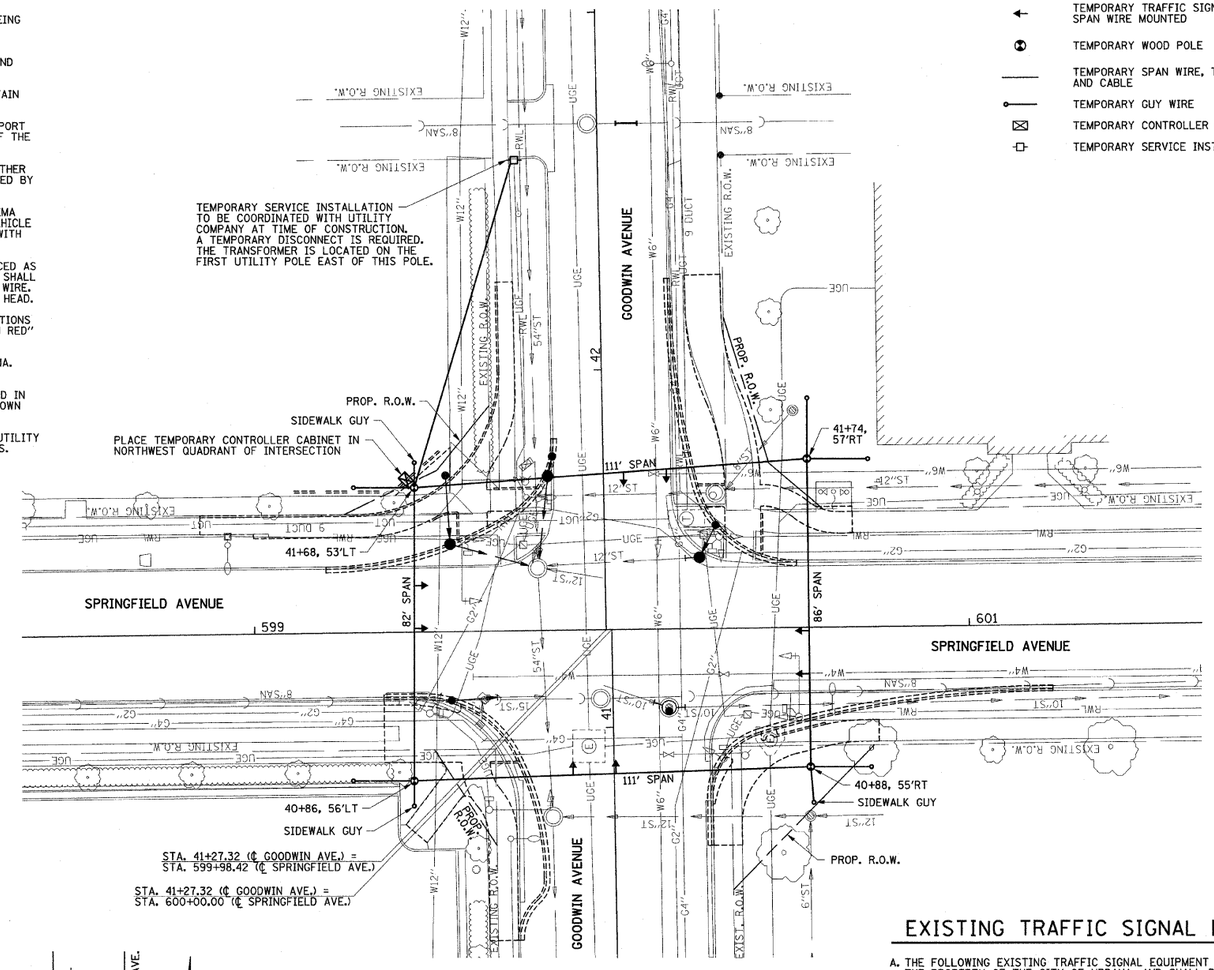
1. ALL CONTROL EQUIPMENT FOR THE TEMPORARY TRAFFIC SIGNALS SHALL BE FURNISHED BY THE CONTRACTOR.
2. THE TEMPORARY SIGNALS SHALL BE FULLY INSTALLED AND OPERATIONAL PRIOR TO THE EXISTING SIGNALS BEING DISCONNECTED. THE PROPOSED SIGNAL INSTALLATION SHALL BE INSTALLED AND OPERATIONAL BEFORE THE TEMPORARY INSTALLATION IS DISCONNECTED.
3. THE PROPOSED TEMPORARY TRAFFIC SIGNALS SHALL BE INSTALLED IN ACCORDANCE WITH STANDARD 880001 AND SECTION 890 OF THE STANDARD SPECIFICATIONS.
4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE WOOD POLES OF SUFFICIENT LENGTH TO MAINTAIN THE CLEARANCE REQUIREMENTS SHOWN IN STANDARD 880001.
5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE WOOD POLES OF THE CLASS REQUIRED TO SUPPORT THE TEMPORARY TRAFFIC SIGNAL INSTALLATION IN ACCORDANCE WITH STANDARD 880001 AND SECTION 890 OF THE STANDARD SPECIFICATIONS.
6. ALL HARDWARE NECESSARY TO INSTALL THE SPAN WIRE, SIGNAL HEADS, WOOD POLES, GUY WIRES, AND ANY OTHER ITEMS NECESSARY FOR THE COMPLETE INSTALLATION OF THE TEMPORARY TRAFFIC SIGNALS SHALL BE PROVIDED BY THE CONTRACTOR.
7. THE CONTROLLER USED FOR THE TEMPORARY TRAFFIC SIGNAL INSTALLATION SHALL BE A FULLY-ACTUATED NEMA MICROPROCESSOR-BASED CONTROLLER INSTALLED IN A CABINET. THE CONTROLLER SHALL ACCOMMODATE 8 VEHICLE PHASES AND 4 PEDESTRIAN PHASES AND SHALL BE CAPABLE OF SUPPLYING 255 SECONDS OF CYCLE LENGTH WITH INDIVIDUAL PHASE LENGTH SETTINGS UP TO 99 SECONDS.
8. ALL TEMPORARY SIGNAL FACES SHALL HAVE 12 INCH LENSES. THE TEMPORARY SIGNAL HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE EACH TEMPORARY SIGNAL HEAD TO ANY POSITION ON ITS SPAN WIRE. EACH TEMPORARY SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
9. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING LOCATIONS AND RELOCATED AND SECURELY FASTENED TO THE TEMPORARY TRAFFIC SIGNAL INSTALLATION. "NO TURN ON RED" SIGNS (MUTCD R10-11B-2424) SHALL BE ADDED TO THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.
10. THE PROPOSED SIGNAL TIMINGS FOR THE TEMPORARY CONTROLLER WILL BE PROVIDED BY THE CITY OF URBANA. THE TEMPORARY TRAFFIC SIGNAL SYSTEM SHALL BE PRE-TIMED.
11. ALL LABOR AND MATERIALS REQUIRED TO COMPLY WITH THESE REQUIREMENTS SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION. THE ITEMS AND QUANTITIES SHOWN ARE FOR INFORMATIONAL PURPOSES ONLY.
12. NO ADDITIONAL PAYMENT SHALL BE MADE FOR ANY DELAYS OR SIGNAL HEAD RELOCATIONS RESULTING FROM UTILITY RELOCATIONS, CHANGES IN STAGING, REMOVAL OF EXISTING SIGNALS, OR INSTALLATION OF PROPOSED SIGNALS.

TEMPORARY TRAFFIC SIGNAL LEGEND

- TEMPORARY TRAFFIC SIGNAL HEAD, SPAN WIRE MOUNTED
- TEMPORARY WOOD POLE
- TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE
- TEMPORARY GUY WIRE
- TEMPORARY CONTROLLER CABINET
- TEMPORARY SERVICE INSTALLATION

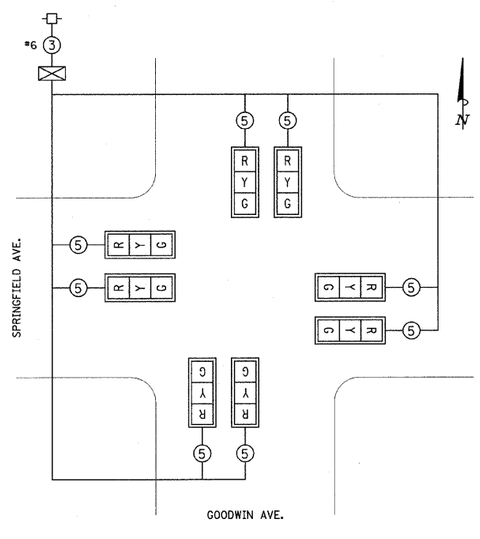
N

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



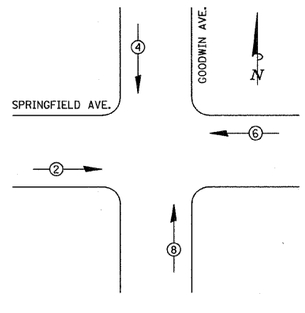
TEMPORARY CABLE DIAGRAM LEGEND

- TEMPORARY CONTROLLER CABINET
- TEMPORARY TRAFFIC SIGNAL FACE WITH BACKPLATE
- TEMPORARY SERVICE INSTALLATION
- (5) NUMBER OF CONDUCTORS IN CABLE ALL CABLE #14 EXCEPT AS INDICATED



TEMPORARY CABLE DIAGRAM

NO SCALE



TEMPORARY PHASE DESIGNATION DIAGRAM LEGEND

- VEHICULAR PHASE
- * NUMBER REFERS TO ASSOCIATED PHASE

TEMPORARY PHASE DESIGNATION DIAGRAM

NO SCALE

EXISTING TRAFFIC SIGNAL EQUIPMENT TO BE REMOVED

A. THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE CITY OF URBANA, AND SHALL BE MOVED TO AND STORED AT A LOCATION DESIGNATED BY THE ENGINEER FOR PICK-UP BY THE CITY'S FORCES:

ITEM	UNIT	QUANTITY
CONTROLLER IN CABINET (COMPLETE)	EACH	1
TRAFFIC SIGNAL POST	EACH	3
COMBINATION MAST ARM ASSEMBLY AND POLE	EACH	4
TRAFFIC SIGNAL BACKPLATE	EACH	5
SIGNAL HEAD	EACH	14
PEDESTRIAN SIGNAL HEAD	EACH	8

THIS WORK WILL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT. REMOVAL OF INDIVIDUAL ITEMS WILL NOT BE PAID FOR SEPARATELY.

B. THE CONTRACTOR SHALL REMOVE THE FOLLOWING EXISTING TRAFFIC SIGNAL ITEMS AND DISPOSE OF THEM IN ACCORDANCE WITH THE CONTRACT DOCUMENTS:

ITEM	UNIT	QUANTITY
HANDHOLE	EACH	3
CONCRETE FOUNDATION	EACH	8

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR REMOVE EXISTING HANDHOLE AND REMOVE EXISTING CONCRETE FOUNDATION.

C. THE CONTRACTOR SHALL REMOVE THE EXISTING ELECTRIC CABLES THAT RUN FROM THE EXISTING MAST ARM ON THE NORTHWEST QUADRANT OF GOODWIN AND SPRINGFIELD TO THE SCHOOL FLASHER ON THE NORTHEAST QUADRANT OF MATHEWS AND SPRINGFIELD AND THE EXISTING ELECTRIC CABLES FOR THE EXISTING SERVICE INSTALLATION. THE CABLES SHALL BE DISPOSED OF IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. CABLE THAT IS REMOVED SHALL NOT BE REUSED. THE REMAINING CABLES AT THE INTERSECTION SHALL BE ABANDONED IN PLACE UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INLCUDED IN THE CONTRACT LUMP SUM PRICE OF REMOVE ELECTRIC CABLE FROM CONDUIT (SPECIAL), AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

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	DATE - 01-2009	REVISED -	

GOODWIN AVENUE & SPRINGFIELD AVENUE
TRAFFIC SIGNAL PLANS
TEMPORARY TRAFFIC SIGNAL PLAN

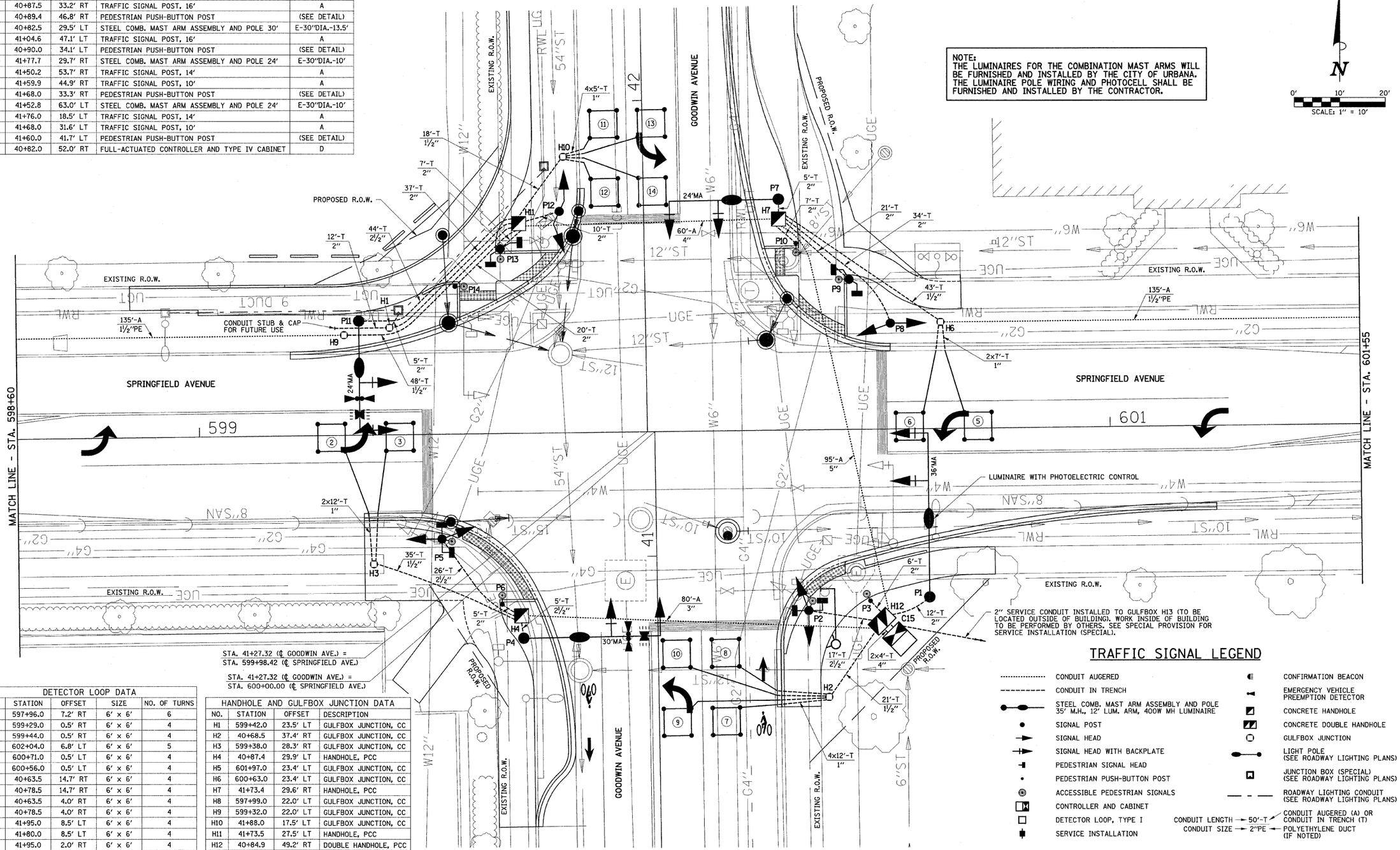
SCALE : 1"=20' | SHEET NO. 57 OF 75 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	07-00456-00-RS	CHAMPAIGN	75	57
	GOODWIN AVENUE	CONTRACT NO. 91392		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 91392

POST AND MAST ARM DATA				
NO.	STATION	OFFSET	DESCRIPTION	FOUNDATION
P1	40+90.0	59.8' RT	STEEL COMB. MAST ARM ASSEMBLY AND POLE 36'	E-30"DIA.-13.5'
P2	40+87.5	33.2' RT	TRAFFIC SIGNAL POST, 16'	A
P3	40+89.4	46.8' RT	PEDESTRIAN PUSH-BUTTON POST	(SEE DETAIL)
P4	40+82.5	29.5' LT	STEEL COMB. MAST ARM ASSEMBLY AND POLE 30'	E-30"DIA.-13.5'
P5	41+04.6	47.1' LT	TRAFFIC SIGNAL POST, 16'	A
P6	40+90.0	34.1' LT	PEDESTRIAN PUSH-BUTTON POST	(SEE DETAIL)
P7	41+77.7	29.7' RT	STEEL COMB. MAST ARM ASSEMBLY AND POLE 24'	E-30"DIA.-10'
P8	41+50.2	53.7' RT	TRAFFIC SIGNAL POST, 14'	A
P9	41+59.9	44.9' RT	TRAFFIC SIGNAL POST, 10'	A
P10	41+68.0	33.3' RT	PEDESTRIAN PUSH-BUTTON POST	(SEE DETAIL)
P11	41+52.8	63.0' LT	STEEL COMB. MAST ARM ASSEMBLY AND POLE 24'	E-30"DIA.-10'
P12	41+76.0	18.5' LT	TRAFFIC SIGNAL POST, 14'	A
P13	41+68.0	31.6' LT	TRAFFIC SIGNAL POST, 10'	A
P14	41+60.0	41.7' LT	PEDESTRIAN PUSH-BUTTON POST	(SEE DETAIL)
C15	40+82.0	52.0' RT	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	D

NOTE:
THE LUMINAIRES FOR THE COMBINATION MAST ARMS WILL BE FURNISHED AND INSTALLED BY THE CITY OF URBANA. THE LUMINAIRE POLE WIRING AND PHOTOCELL SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.



DETECTOR LOOP DATA				
NO.	STATION	OFFSET	SIZE	NO. OF TURNS
1	597+96.0	7.2' RT	6' x 6'	6
2	599+29.0	0.5' RT	6' x 6'	4
3	599+44.0	0.5' RT	6' x 6'	4
4	602+04.0	6.8' LT	6' x 6'	5
5	600+71.0	0.5' LT	6' x 6'	4
6	600+56.0	0.5' LT	6' x 6'	4
7	40+63.5	14.7' RT	6' x 6'	4
8	40+78.5	14.7' RT	6' x 6'	4
9	40+63.5	4.0' RT	6' x 6'	4
10	40+78.5	4.0' RT	6' x 6'	4
11	41+95.0	8.5' LT	6' x 6'	4
12	41+80.0	8.5' LT	6' x 6'	4
13	41+95.0	2.0' RT	6' x 6'	4
14	41+80.0	2.0' RT	6' x 6'	4

HANDHOLE AND GULFBOX JUNCTION DATA			
NO.	STATION	OFFSET	DESCRIPTION
H1	599+42.0	23.5' LT	GULFBOX JUNCTION, CC
H2	40+68.5	37.4' RT	GULFBOX JUNCTION, CC
H3	599+38.0	28.3' RT	GULFBOX JUNCTION, CC
H4	40+87.4	29.9' LT	HANDHOLE, PCC
H5	601+97.0	23.4' LT	GULFBOX JUNCTION, CC
H6	600+63.0	23.4' LT	GULFBOX JUNCTION, CC
H7	41+73.4	29.6' RT	HANDHOLE, PCC
H8	597+99.0	22.0' LT	GULFBOX JUNCTION, CC
H9	599+32.0	22.0' LT	GULFBOX JUNCTION, CC
H10	41+88.0	17.5' LT	GULFBOX JUNCTION, CC
H11	41+73.5	27.5' LT	HANDHOLE, PCC
H12	40+84.9	49.2' RT	DOUBLE HANDHOLE, PCC
H13	DETERMINED IN FIELD		GULFBOX JUNCTION, CC

TRAFFIC SIGNAL LEGEND

- CONDUIT AUGERED
- CONDUIT IN TRENCH
- STEEL COMB. MAST ARM ASSEMBLY AND POLE 35' M.H., 12' LUM. ARM, 400W MH LUMINAIRE
- SIGNAL POST
- SIGNAL HEAD
- SIGNAL HEAD WITH BACKPLATE
- PEDESTRIAN SIGNAL HEAD
- PEDESTRIAN PUSH-BUTTON POST
- ACCESSIBLE PEDESTRIAN SIGNALS
- CONTROLLER AND CABINET
- DETECTOR LOOP, TYPE I
- SERVICE INSTALLATION
- CONFIRMATION BEACON
- EMERGENCY VEHICLE PREEMPTION DETECTOR
- CONCRETE HANDHOLE
- CONCRETE DOUBLE HANDHOLE
- GULFBOX JUNCTION
- LIGHT POLE (SEE ROADWAY LIGHTING PLANS)
- JUNCTION BOX (SPECIAL) (SEE ROADWAY LIGHTING PLANS)
- ROADWAY LIGHTING CONDUIT (SEE ROADWAY LIGHTING PLANS)
- CONDUIT LENGTH → 50'-T ← CONDUIT AUGERED (A) OR CONDUIT IN TRENCH (T)
- CONDUIT SIZE → 2"PE ← POLYETHYLENE DUCT (IF NOTED)

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DATE	- 01-2009	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GOODWIN AVENUE & SPRINGFIELD AVENUE
TRAFFIC SIGNAL PLANS
TRAFFIC SIGNAL LAYOUT

SCALE : 1"=10' | SHEET NO. 58 OF 75 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	07-00456-00-RS	CHAMPAIGN	75	58
	GOODWIN AVENUE	CONTRACT NO. 91392		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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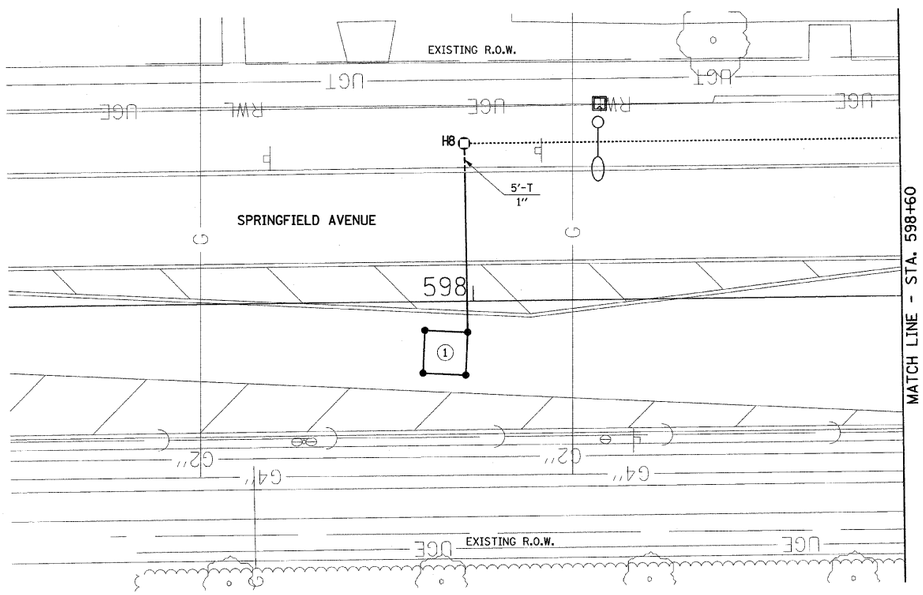
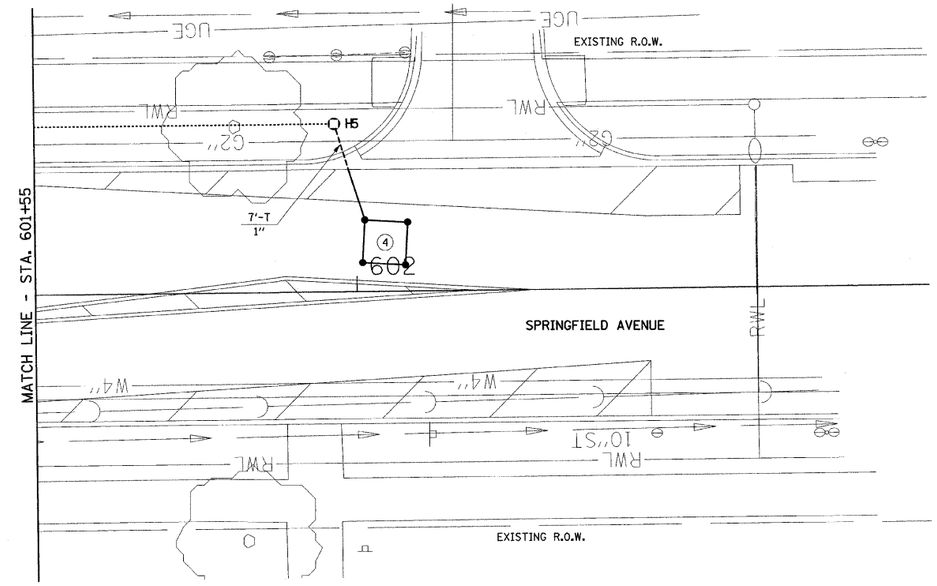
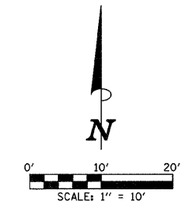
CONTRACT NO. 91392







TRAFFIC SIGNAL LEGEND

- CONDUIT AUGERED
- CONDUIT IN TRENCH
- STEEL COMB. MAST ARM ASSEMBLY AND POLE 35' M.H., 12' LUM. ARM, 400W MH LUMINAIRE
- SIGNAL POST
- SIGNAL HEAD
- SIGNAL HEAD WITH BACKPLATE
- PEDESTRIAN SIGNAL HEAD
- PEDESTRIAN PUSH-BUTTON POST
- ACCESSIBLE PEDESTRIAN SIGNALS
- CONTROLLER AND CABINET
- DETECTOR LOOP, TYPE I
- SERVICE INSTALLATION
- CONFIRMATION BEACON
- EMERGENCY VEHICLE PREEMPTION DETECTOR
- CONCRETE HANDHOLE
- CONCRETE DOUBLE HANDHOLE
- GULFBOX JUNCTION
- LIGHT POLE (SEE ROADWAY LIGHTING PLANS)
- JUNCTION BOX (SPECIAL) (SEE ROADWAY LIGHTING PLANS)
- ROADWAY LIGHTING CONDUIT (SEE ROADWAY LIGHTING PLANS)
- CONDUIT LENGTH → 50'-T ← CONDUIT AUGERED (A) OR CONDUIT IN TRENCH (T)
- CONDUIT SIZE → 2"PE ← POLYETHYLENE DUCT (IF NOTED)

FILE NAME = p:\u0070052\plans\sheets\57-Signals-Spring.dgn	DESIGNED - JAJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GOODWIN AVENUE & SPRINGFIELD AVENUE TRAFFIC SIGNAL PLANS TRAFFIC SIGNAL LAYOUT	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT DATE = 1/12/2009 7:47:10 PM	DRAWN - JAJ	REVISED -			7175	07-00456-00-RS	CHAMPAIGN	75	59
	CHECKED - SMW	REVISED -			GOODWIN AVENUE		CONTRACT NO. 91392		
	DATE - 01-2009	REVISED -		SCALE : 1"=10' / SHEET NO. 59 OF 75 SHEETS / STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

U0070052

CONTRACT NO. 91392

BILL OF MATERIALS

ITEM	UNIT	QUANTITY
SIGN PANEL, TYPE 2	SQ FT	58
SERVICE INSTALLATION (SPECIAL)	EACH	1
CONDUIT IN TRENCH, 1" DIA., PVC	FOOT	118
CONDUIT IN TRENCH, 1½" DIA., PVC	FOOT	165
CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	181
CONDUIT IN TRENCH, 2½" DIA., PVC	FOOT	92
CONDUIT IN TRENCH, 4" DIA., PVC	FOOT	8
CONDUIT, AUGERED, 3" DIA., PVC	FOOT	80
CONDUIT, AUGERED, 4" DIA., PVC	FOOT	60
CONDUIT, AUGERED, 5" DIA., PVC	FOOT	95
CONDUIT, BORED AND PULLED, COILABLE NON-METALLIC CONDUIT, 1½"	FOOT	270
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	3
DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1
GULFBOX JUNCTION, COMPOSITE CONCRETE	EACH	9
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	3090
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	69
TRENCH AND BACKFILL WITH SCREENINGS OR SAND	FOOT	495
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1 •
UNINTERRUPTABLE POWER SUPPLY, STANDARD	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 2C	FOOT	1500
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3C	FOOT	180
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C	FOOT	790
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7C	FOOT	1820
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 3 PAIR	FOOT	1490
TRAFFIC SIGNAL POST, 10 FT.	EACH	2
TRAFFIC SIGNAL POST, 14 FT.	EACH	2
TRAFFIC SIGNAL POST, 16 FT.	EACH	2
PEDESTRIAN PUSH-BUTTON POST, TYPE I	EACH	4
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 24 FT.	EACH	2
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 30 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	18 •
CONCRETE FOUNDATION, TYPE D	FOOT	4 •
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	47 •
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	4
SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	4
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED	EACH	8
TRAFFIC SIGNAL BACKPLATE	EACH	8
DETECTOR LOOP, TYPE I	FOOT	530
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING HANDHOLE	EACH	3
REMOVE EXISTING CONCRETE FOUNDATION	EACH	8
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	L SUM	0.9
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	570 •
ELECTRIC CABLE IN CONDUIT, NO. 20 3C, TWISTED, SHIELDED	FOOT	450
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
VIBROTACTILE FEATURE	EACH	8
INDUCTIVE LOOP DETECTOR, RACK MOUNTED	EACH	8
PHOTOELECTRIC CONTROL	EACH	1

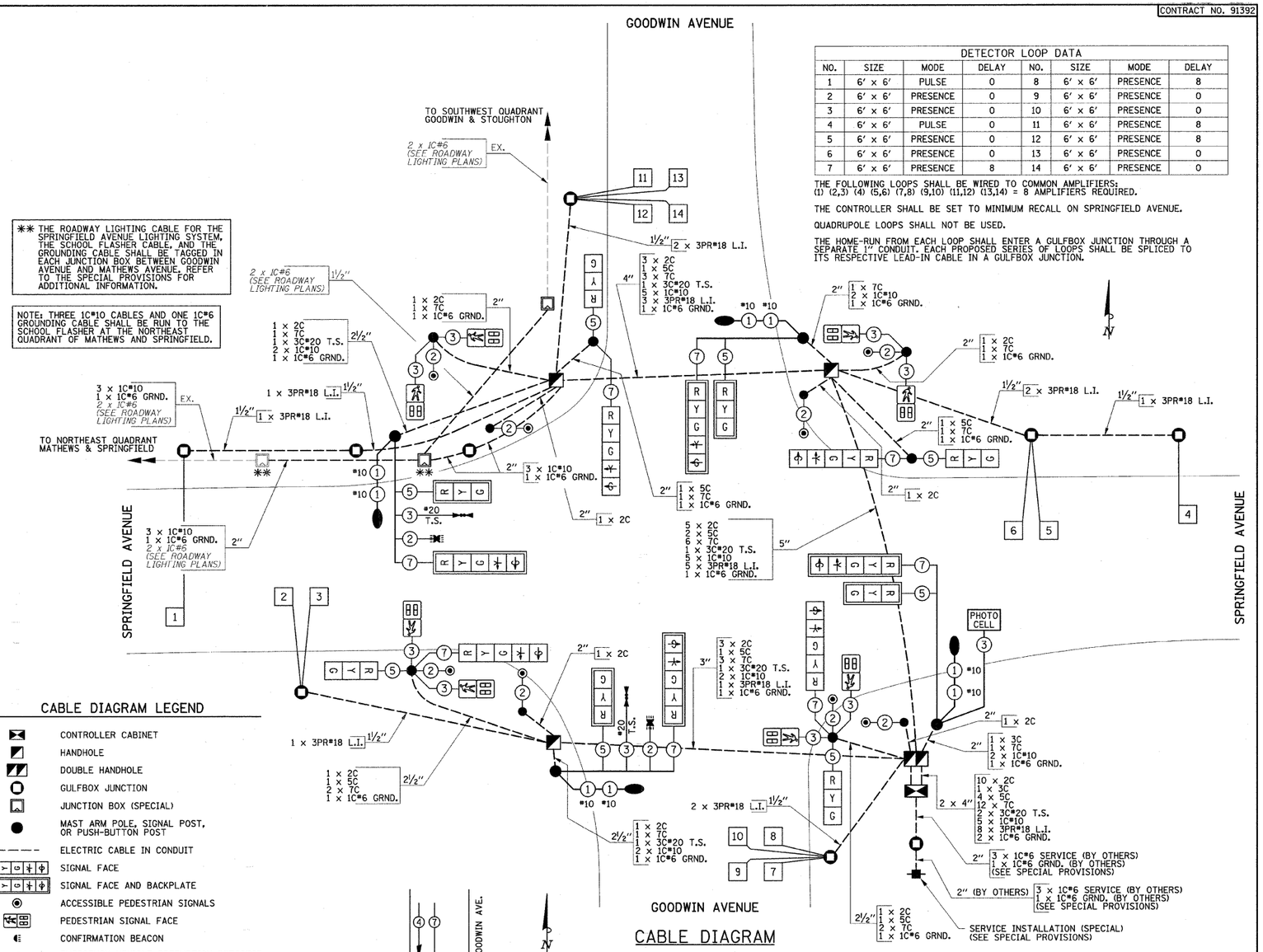
• SEE SPECIAL PROVISIONS FOR SYSTEM GROUNDING INFORMATION.

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 SHALL BE INSTALLED SUCH THAT NO PART OF THE SIGNAL HEAD IS WITHIN TWO (2) FEET OF THE FACE OF CURB. MAST ARM POLES SHALL 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. COMBINATION MAST ARM ASSEMBLIES SHALL BE FURNISHED WITH 12-FOOT LUMINAIRE ARMS WITH A MOUNTED LUMINAIRE HEIGHT OF 35 FEET.
4. ALL MAST ARM MOUNTED SIGNAL HEADS ON AN INDIVIDUAL MAST ARM SHALL BE MOUNTED SO THAT THE RED INDICATIONS ARE LEVEL WITH EACH OTHER UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
5. 12" LENSES SHALL BE USED ON ALL SIGNAL FACES. LED INDICATIONS SHALL BE USED ON ALL SIGNAL HEADS AND PEDESTRIAN SIGNAL HEADS. PEDESTRIAN SIGNAL HEAD FACES SHALL BE SYMBOLS WITH COUNTDOWN TIMERS.
6. ACCESSIBLE PEDESTRIAN SIGNALS SHALL BE THE POLARA "NAVIGATOR" SYSTEM OR APPROVED EQUIVALENT.
7. THE LUMINAIRE ARM, LUMINAIRE POLE WIRING, LUMINAIRE, AND PHOTOCELL SHALL BE ERECTED WITH THE TRAFFIC SIGNAL MAST ARM POLE. THE LUMINAIRE SHALL BE FURNISHED AND INSTALLED BY THE CITY OF URBANA. THE CONTRACTOR SHALL FURNISH AND INSTALL THE PHOTOCELL ON THE LUMINAIRE FOR THE SOUTHEAST QUADRANT COMBINATION MAST ARM ASSEMBLY AND POLE.
8. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
10. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PLACING CONDUIT AT GREATER THAN 2 FOOT DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.
11. A ¼" POLYPROPYLENE PULL ROPE SHALL BE INSTALLED IN ALL CONDUIT RUNS EXCEEDING 20 FEET. A MINIMUM OF 2 FEET OF ROPE SHALL BE PROVIDED AT EACH END OF A CONDUIT RUN. THE ROPE SHALL BE INCLUDED IN THE COST OF THE RESPECTIVE CONDUIT PAY ITEM.
12. THE CONTRACTOR SHALL COOPERATE WITH THE UNIVERSITY OF ILLINOIS OPERATIONS STAFF IN ARRANGING FOR THE ELECTRICAL SERVICE FOR THE TRAFFIC SIGNALS AND COMBINATION MAST ARM LIGHTING. ALL CITY OF URBANA AND UNIVERSITY OF ILLINOIS REQUIREMENTS AND OTHER CODES FOR CONNECTING POWER TO THE CONTROLLER SHALL BE ADHERED TO COMPLETELY.
13. THE TRAFFIC SIGNAL CONTROLLER SHALL BE ORIENTED SUCH THAT INTERSECTION OPERATION AND CONTROLLER COMPONENTS CAN BE VIEWED SIMULTANEOUSLY.
14. CONTROLLER PROGRAMMING OF SIGNAL TIMING WILL BE PROVIDED BY THE CITY OF URBANA.
15. THE CONFIRMATION BEACON SHALL BE INCLUDED IN THE COST OF THE LIGHT DETECTOR.
16. THE ELECTRIC CABLE FOR THE LIGHT DETECTOR SHALL BE A CONTINUOUS UNBROKEN RUN FROM THE LIGHT DETECTOR TO THE LIGHT DETECTOR AMPLIFIER. SPLICES IN THE CABLE SHALL NOT BE ALLOWED.
17. THE THREE SECTION AND FIVE SECTION SIGNAL HEADS THAT OPERATE TOGETHER IN THE SAME PHASE AT THE SAME LOCATION WILL BE COMBINED ON A SINGLE SEVEN CONDUCTOR CABLE. TWO PEDESTRIAN SIGNAL HEADS AT THE SAME LOCATION WILL BE COMBINED ON A SINGLE SEVEN CONDUCTOR CABLE. SPLICES WILL BE MADE AT THE POLE HANDHOLE WITH INDIVIDUAL CABLES RUNNING FROM THE SPLICE TO EACH SIGNAL HEAD OR PEDESTRIAN SIGNAL HEAD.
18. THE CONCRETE FOUNDATION FOR THE PEDESTRIAN PUSH-BUTTON POST SHALL BE INCLUDED IN THE COST OF THE PEDESTRIAN PUSH-BUTTON POST.
19. DETECTOR LOOPS SHALL BE INSTALLED PRIOR TO CONSTRUCTION OF THE HMA SURFACE COURSE.

CABLE DIAGRAM LEGEND

- CONTROLLER CABINET
- HANDHOLE
- DOUBLE HANDHOLE
- GULFBOX JUNCTION
- JUNCTION BOX (SPECIAL)
- MAST ARM POLE, SIGNAL POST, OR PUSH-BUTTON POST
- ELECTRIC CABLE IN CONDUIT
- SIGNAL FACE
- SIGNAL FACE AND BACKPLATE
- ACCESSIBLE PEDESTRIAN SIGNALS
- PEDESTRIAN SIGNAL FACE
- CONFIRMATION BEACON
- EMERGENCY VEHICLE PREEMPTION DETECTOR
- SERVICE INSTALLATION
- 1 — DETECTOR LOOP, TYPE I (WITH LOOP NO.)
- LUMINAIRE
- (3) — DENOTES NUMBER OF CONDUCTORS ALL CABLE #14 EXCEPT AS INDICATED
- L.I. — LEAD-IN CABLE (TWISTED, SHIELDED)
- T.S. — TWISTED, SHIELDED
- GRND. — GROUNDING CABLE (GREEN)
- 2" [1 × 5C / 1 × 7C] — NUMBER OF CABLES IN CONDUIT; NUMBER OF CONDUCTORS IN EACH CABLE; CONDUIT SIZE



CABLE DIAGRAM

DETECTOR LOOP DATA							
NO.	SIZE	MODE	DELAY	NO.	SIZE	MODE	DELAY
1	6' × 6'	PULSE	0	8	6' × 6'	PRESENCE	8
2	6' × 6'	PRESENCE	0	9	6' × 6'	PRESENCE	0
3	6' × 6'	PRESENCE	0	10	6' × 6'	PRESENCE	0
4	6' × 6'	PULSE	0	11	6' × 6'	PRESENCE	8
5	6' × 6'	PRESENCE	0	12	6' × 6'	PRESENCE	8
6	6' × 6'	PRESENCE	0	13	6' × 6'	PRESENCE	0
7	6' × 6'	PRESENCE	8	14	6' × 6'	PRESENCE	0

THE FOLLOWING LOOPS SHALL BE WIRED TO COMMON AMPLIFIERS:
(1) (2,3) (4) (5,6) (7,8) (9,10) (11,12) (13,14) = 8 AMPLIFIERS REQUIRED.

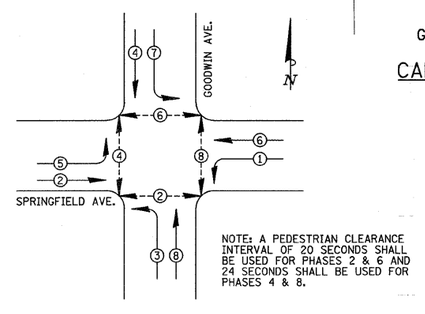
THE CONTROLLER SHALL BE SET TO MINIMUM RECALL ON SPRINGFIELD AVENUE.

QUADRUPOLE LOOPS SHALL NOT BE USED.

THE HOME-RUN FROM EACH LOOP SHALL ENTER A GULFBOX JUNCTION THROUGH A SEPARATE 1" CONDUIT. EACH PROPOSED SERIES OF LOOPS SHALL BE SPLICED TO ITS RESPECTIVE LEAD-IN CABLE IN A GULFBOX JUNCTION.

** THE ROADWAY LIGHTING CABLE FOR THE SPRINGFIELD AVENUE LIGHTING SYSTEM, THE SCHOOL FLASHER CABLE, AND THE GROUNDING CABLE SHALL BE TAGGED IN EACH JUNCTION BOX BETWEEN GOODWIN AVENUE AND MATHEWS AVENUE. REFER TO THE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.

NOTE: THREE 1C#10 CABLES AND ONE 1C#6 GROUNDING CABLE SHALL BE RUN TO THE SCHOOL FLASHER AT THE NORTHEAST QUADRANT OF MATHEWS AND SPRINGFIELD.



NOTE: A PEDESTRIAN CLEARANCE INTERVAL OF 20 SECONDS SHALL BE USED FOR PHASES 2 & 6 AND 24 SECONDS SHALL BE USED FOR PHASES 4 & 8.

PHASE DESIGNATION DIAGRAM

PHASE DESIGNATION DIAGRAM LEGEND

- DUAL ENTRY PHASE
- PEDESTRIAN PHASE

* NUMBER REFERS TO ASSOCIATED PHASE

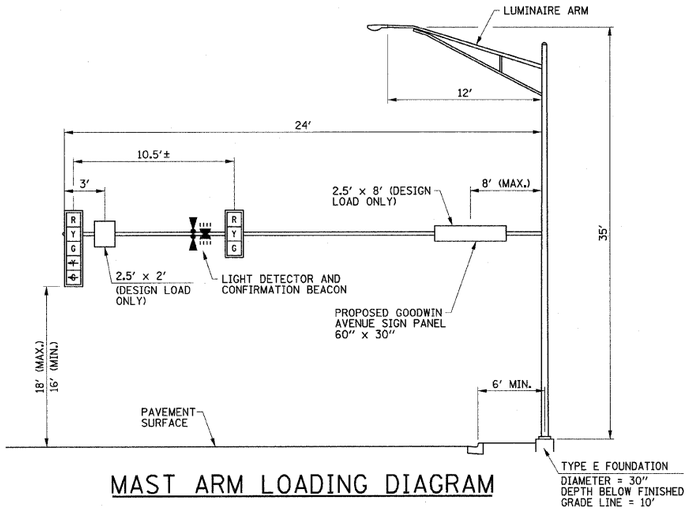
FILE NAME = P:\U0070052\Plans\sheets\57-Signals-Spring.dgn	DESIGNED - JAJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
PLOT DATE = 1/23/2009 3:01:41 PM	DRAWN - JAJ	REVISED -	
	CHECKED - SMW	REVISED -	
	DATE - 01-2009	REVISED -	

GOODWIN AVENUE & SPRINGFIELD AVENUE
TRAFFIC SIGNAL PLANS
CABLE DIAGRAM/GENERAL NOTES/BILL OF MATERIALS

SCALE : NONE | SHEET NO. 60 OF 75 SHEETS | STA. | TO STA.

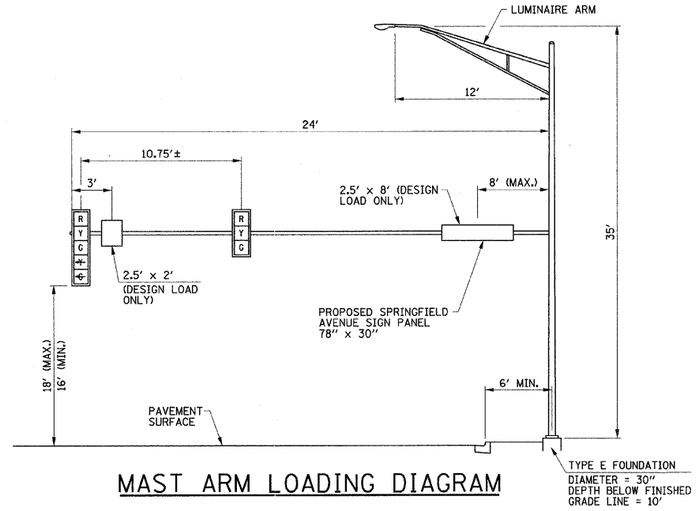
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	07-00456-00-RS	CHAMPAIGN	75	60
	GOODWIN AVENUE	CONTRACT NO. 91392		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

U0070052



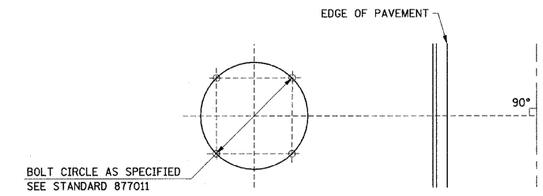
MAST ARM LOADING DIAGRAM

GOODWIN AVENUE & SPRINGFIELD AVENUE
NORTHWEST QUADRANT



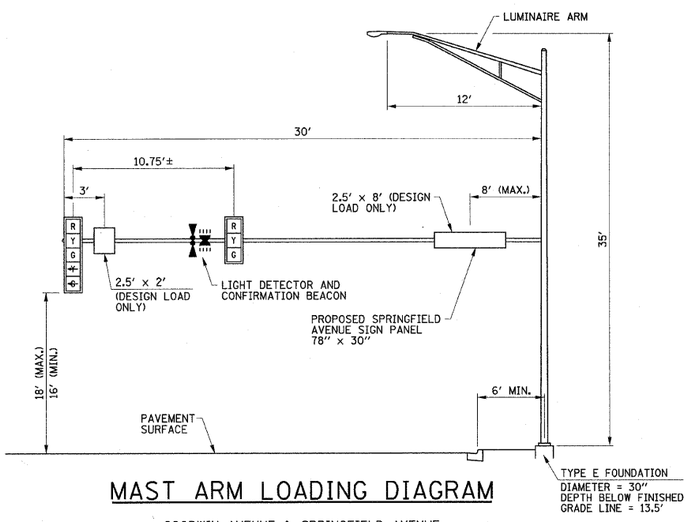
MAST ARM LOADING DIAGRAM

GOODWIN AVENUE & SPRINGFIELD AVENUE
NORTHEAST QUADRANT



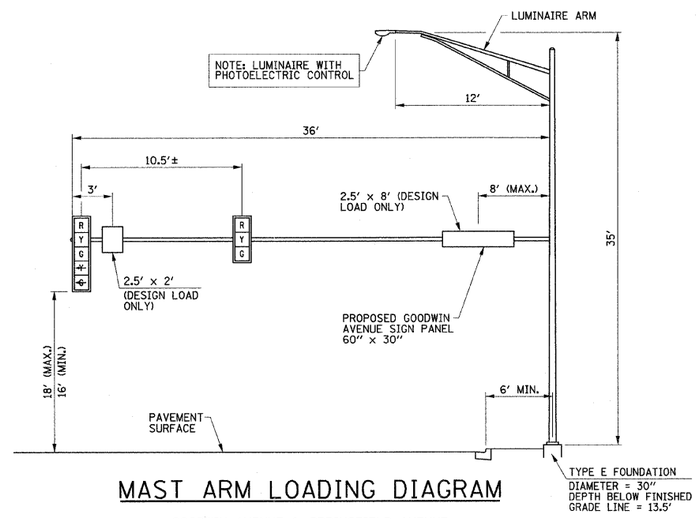
MAST ARM FOUNDATION BOLT PATTERN DETAIL

ORIENTATION OF ANCHOR BOLTS TO BE FIELD VERIFIED



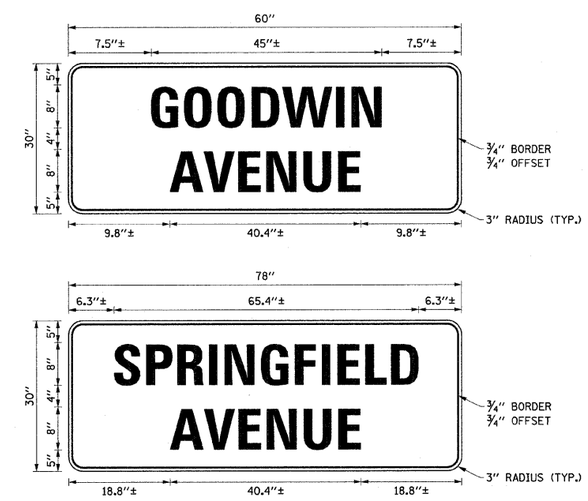
MAST ARM LOADING DIAGRAM

GOODWIN AVENUE & SPRINGFIELD AVENUE
SOUTHWEST QUADRANT



MAST ARM LOADING DIAGRAM

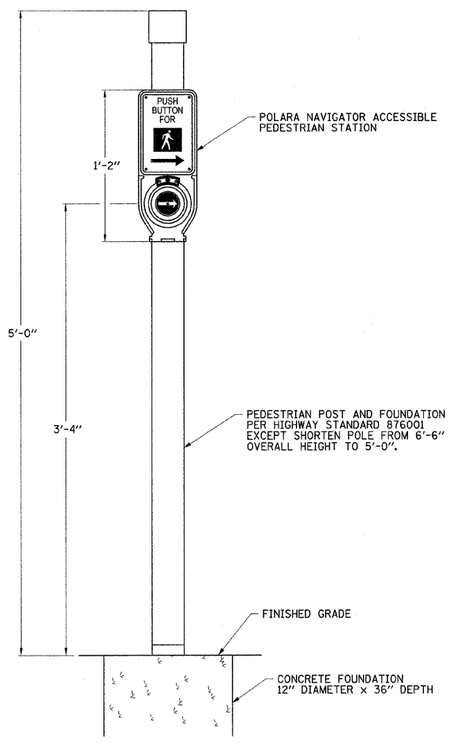
GOODWIN AVENUE & SPRINGFIELD AVENUE
SOUTHEAST QUADRANT



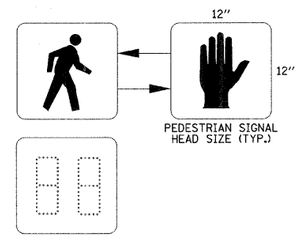
MAST ARM MOUNTED STREET NAME SIGN DETAIL

TEXT: 8" HEIGHT, SERIES D
TYPE A SHEETING REQUIRED
BORDER AND LEGEND:
3M DIAMOND GRADE VIP 3990 WHITE
BACKGROUND
EC SERIES 1170 GREEN TRANSLUCENT (REVERSE IMAGE)

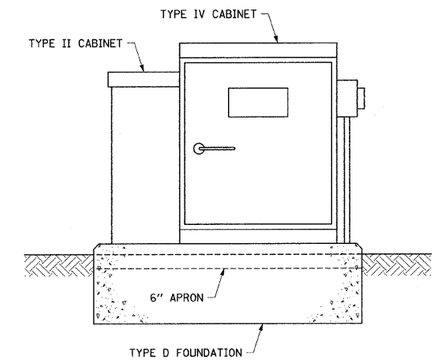
FILE NAME = p:\u0070052\plans\sheets\57-Signals-Spring.dgn	DESIGNED - JAJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GOODWIN AVENUE & SPRINGFIELD AVENUE TRAFFIC SIGNAL PLANS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
PLOT DATE = 1/12/2009 7:47:12 PM	DRAWN - JAJ	REVISED -		TRAFFIC SIGNAL DETAILS	7175	07-00456-00-RS	CHAMPAIGN	75 / 61
	CHECKED - SMW	REVISED -				GOODWIN AVENUE	CONTRACT NO. 91392	
	DATE - 01-2009	REVISED -		SCALE : NONE / SHEET NO. 61 OF 75 SHEETS / STA. / TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	



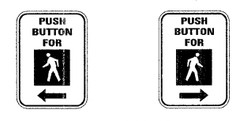
PEDESTRIAN PUSH-BUTTON POST DETAIL



PEDESTRIAN COUNTDOWN SIGNAL DISPLAY DETAIL



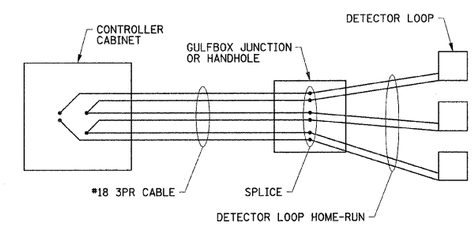
UPS BATTERY CABINET MOUNTING DETAIL



MUTCD R10-4B

THE PEDESTRIAN PUSH-BUTTON SIGNS SHALL BE INCLUDED IN THE COST OF THE ACCESSIBLE PEDESTRIAN SIGNALS.

PEDESTRIAN PUSH-BUTTON SIGN DETAIL



DETECTOR LOOP WIRING DETAIL

WIRED IN SERIES WITH MULTI-PAIR CABLE

FILE NAME = p:\u0070052\plans\sheets\57-Signals-Spring.dgn	DESIGNED - JAJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GOODWIN AVENUE & SPRINGFIELD AVENUE TRAFFIC SIGNAL PLANS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - JAJ	REVISED -		TRAFFIC SIGNAL DETAILS	7175	07-00456-00-RS	CHAMPAIGN	75	62
PLOT DATE = 1/12/2009 7:47:12 PM	CHECKED - SMW	REVISED -				GOODWIN AVENUE	CONTRACT NO. 91392		
	DATE - 01-2009	REVISED -		SCALE : NONE / SHEET NO. 62 OF 75 SHEETS / STA. / TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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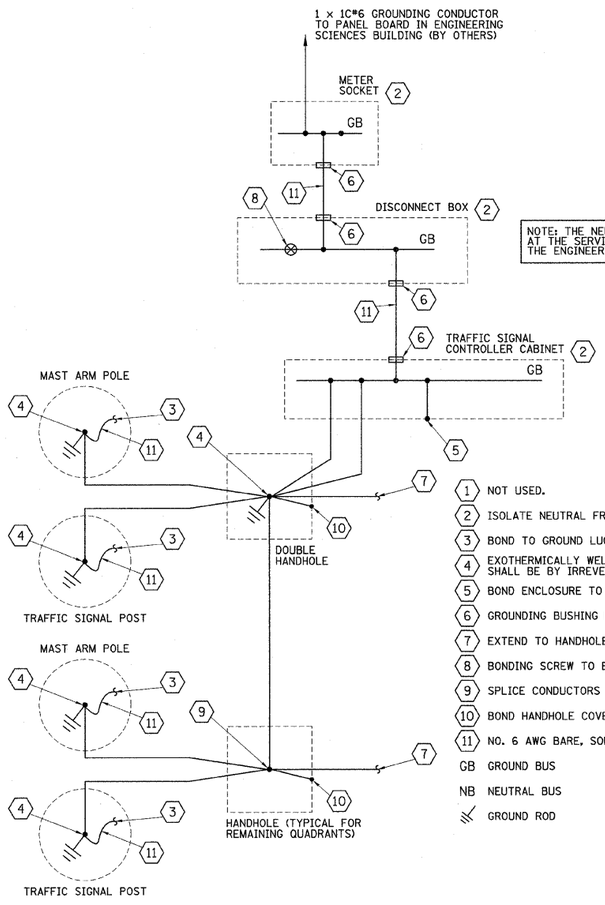


NOTE: THE NEUTRAL IS BONDED TO GROUND AT THE SERVICE DISCONNECT LOCATED IN THE ENGINEERING SCIENCES BUILDING.

1. NOT USED.
2. ISOLATE NEUTRAL FROM GROUND. DO NOT BOND NEUTRAL.
3. BOND TO GROUND LUG IN POLE/POST.
4. EXOTHERMICALLY WELD CONDUCTORS TO GROUND ROD. ANY SPLICES SHALL BE BY IRREVERSIBLE HYDRAULIC COMPRESSION SPLICES.
5. BOND ENCLOSURE TO GROUND.
6. GROUNDING BUSHING BONDED TO GROUNDING ELECTRODE CONDUCTOR.
7. EXTEND TO HANDHOLES IN OTHER QUADRANTS AS REQUIRED.
8. BONDING SCREW TO BOND GROUND BUS TO EQUIPMENT ENCLOSURE.
9. SPLICE CONDUCTORS USING IRREVERSIBLE HYDRAULIC COMPRESSION SPLICES.
10. BOND HANDHOLE COVER AND FRAME TO GROUND.
11. NO. 6 AWG BARE, SOLID COPPER GROUNDING ELECTRODE CONDUCTOR.

GB GROUND BUS

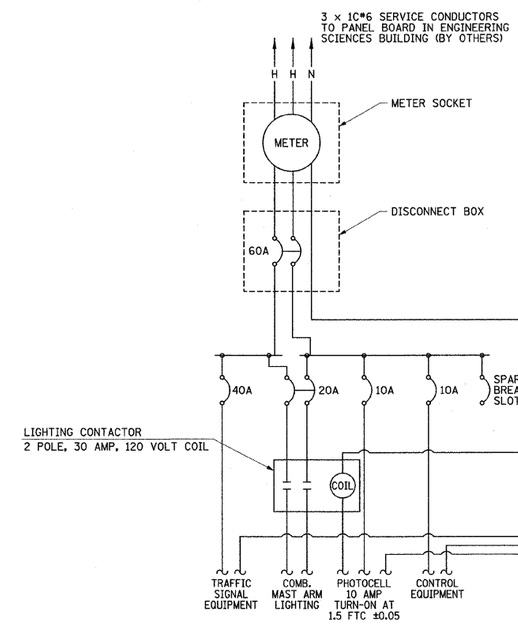
NB NEUTRAL BUS

GROUND ROD

TRAFFIC SIGNAL GROUNDING DIAGRAM

ALL WIRES SHALL BE NO. 6 AWG STRANDED COPPER CONDUCTORS WITH XLP INSULATION UNLESS OTHERWISE INDICATED. THE INSULATION COLOR SHALL BE GREEN.

THE PROPOSED SERVICE SHALL BE A 120/240 VOLT, SINGLE PHASE, THREE WIRE SERVICE.



NOTE: GROUNDING ELECTRODE CONDUCTORS AND EQUIPMENT GROUNDING CONDUCTORS ARE NOT SHOWN FOR CLARITY.

TRAFFIC SIGNAL CONTROLLER INSTALLATION DIAGRAM

FILE NAME = p:\u0070052\plans\sheets\57-Signals-Spring.dgn	DESIGNED - JAJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GOODWIN AVENUE & SPRINGFIELD AVENUE TRAFFIC SIGNAL PLANS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	CHECKED - SMW	REVISED -			GOODWIN AVENUE		CONTRACT NO. 91392		
	DATE - 01-2009	REVISED -		SCALE : NONE / SHEET NO. 63 OF 75 SHEETS / STA. / TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 91392

LIGHT POLE INSTALLATION:
THE CONTRACTOR SHALL FURNISH AND INSTALL THE LIGHT POLE FOUNDATIONS, JUNCTION BOXES, AND CONDUIT & WIRING FROM THE LIGHT POLE FOUNDATIONS TO THE JUNCTION BOXES. THE CITY OF URBANA WILL FURNISH AND INSTALL THE LIGHT POLES, LUMINAIRES, AND POLE WIRING, INCLUDING THE SURGE PROTECTOR AND FUSING LOCATED IN THE LIGHT POLE HANDHOLES. THE CONTRACTOR SHALL MAKE THE NECESSARY WIRING SPLICES IN THE JUNCTION BOXES. THE CITY OF URBANA WILL MAKE THE CONNECTIONS BETWEEN THE POLE WIRING AND THE WIRING FROM THE JUNCTION BOXES AT THE LIGHT POLE HANDHOLES.

CIRCUIT DESIGNATION SCHEME

LIGHTING CONTROLLER — CIRCUIT — POLE NUMBER

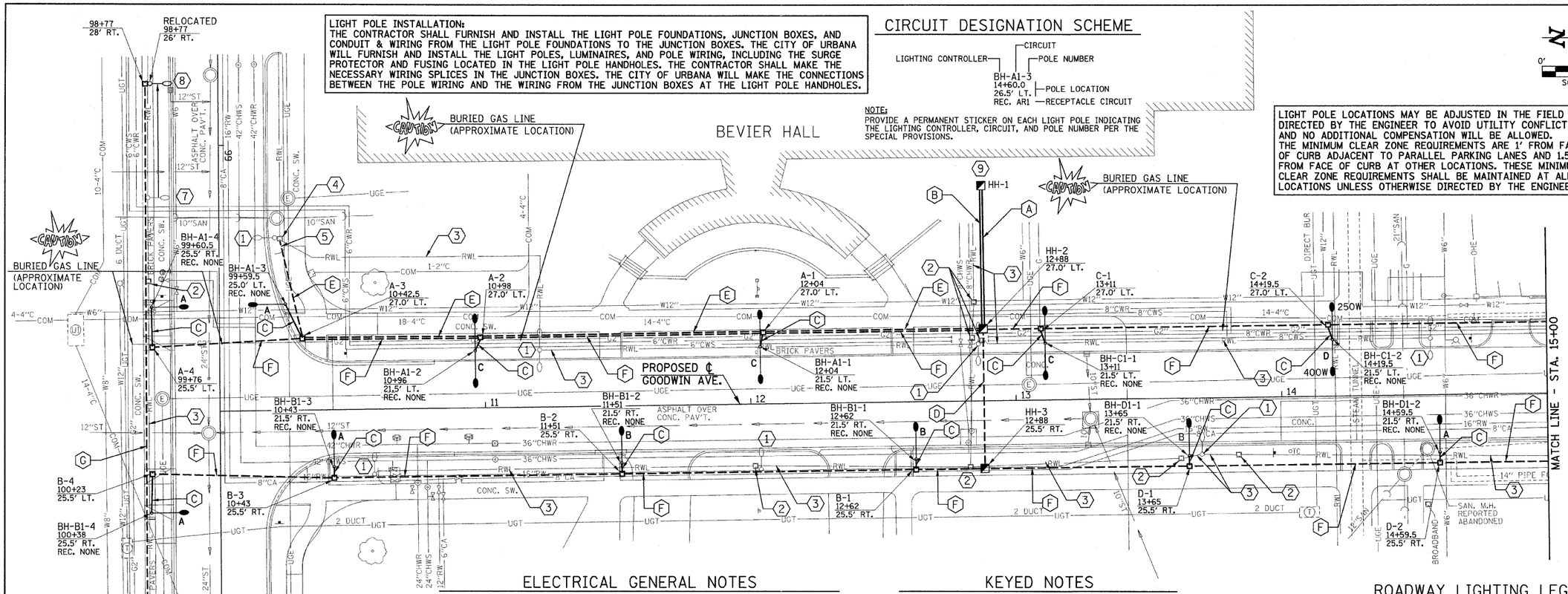
BH-A1-3
14+60.0
26.5' LT.
REC. AR1

POLE LOCATION
RECEPTACLE CIRCUIT

NOTE:
PROVIDE A PERMANENT STICKER ON EACH LIGHT POLE INDICATING THE LIGHTING CONTROLLER, CIRCUIT, AND POLE NUMBER PER THE SPECIAL PROVISIONS.

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

LIGHT POLE LOCATIONS MAY BE ADJUSTED IN THE FIELD AS DIRECTED BY THE ENGINEER TO AVOID UTILITY CONFLICTS, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. THE MINIMUM CLEAR ZONE REQUIREMENTS ARE 1' FROM FACE OF CURB ADJACENT TO PARALLEL PARKING LANES AND 1.5' FROM FACE OF CURB AT OTHER LOCATIONS. THESE MINIMUM CLEAR ZONE REQUIREMENTS SHALL BE MAINTAINED AT ALL LOCATIONS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.



CONDUIT/CABLE SCHEDULE

- (A) (1) 2" PVC CONDUIT WITH 8-#10, 4-#10 GND (4 CIRCUITS).
- (B) (1) 2" PVC CONDUIT WITH 2-#6, 1-#6 GND (1 CIRCUIT).
- (C) (1) 1 1/4" PVC CONDUIT WITH 2-#10, 1-#10 GND (1 CIRCUIT).
- (D) (1) 2" CONDUIT WITH 4-#10, 2-#10 GND (2 CIRCUITS).
- (E) (1) 2" CONDUIT WITH 2-#6, 1-#6 GND (1 CIRCUIT).
- (F) (1) 1 1/2" CONDUIT WITH 2-#10, 1-#10 GND (1 CIRCUIT).
- (G) (1) 2" CONDUIT WITH 2-#6, 1-#6 GND (1 CIRCUIT).

ELECTRICAL GENERAL NOTES

1. ALL ELECTRICAL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE 2008 NATIONAL ELECTRICAL CODE, THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", THE SPECIAL PROVISIONS, AND ALL APPLICABLE LOCAL ORDINANCES.
2. THE CONTRACTOR SHALL FURNISH ALL MATERIALS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM EXCEPT FOR THE LIGHT POLES AND LUMINAIRES.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS AND FOR PROVIDING ALL SUPERVISION, LABOR, MATERIAL AND TOOLS FOR THE PROJECT.
4. ALL LOCATIONS AND DIMENSIONS SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL FIELD VERIFY ALL ELECTRICAL EQUIPMENT LOCATIONS AND EQUIPMENT DIMENSIONS.
5. ALL CONDUITS WITH WIRING SHALL BE PROVIDED WITH AN INSULATED COPPER GROUNDING CONDUCTOR SIZED IN ACCORDANCE WITH THE 2008 NATIONAL ELECTRICAL CODE.
6. ALL SERVICE LATERAL CONDUITS SHALL BE SCHEDULE 40 PVC EXCEPT ALL ELBOWS AND VERTICAL RISERS INCLUDING ELBOWS WHICH SHALL BE RIGID GALVANIZED STEEL (RGS). ALL ELBOWS SHALL BE LONG RADIUS TYPE. THE SERVICE INSTALLATIONS SHALL BE BY OTHERS.
7. 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.
8. PROVIDE PULLSTRING IN ALL CONDUITS, INCLUDING CONDUITS WITH CONDUCTORS INSTALLED.
9. ALL CONDUIT SHALL BE 30" 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.
10. GROUND RODS SHALL BE ¾" 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 CONCRETE POLE FOUNDATIONS AND LIGHTING CONTROLLER.
11. THE ELECTRIC CABLE FOR THE EXISTING ROADWAY LIGHTING SYSTEM SHALL BE REMOVED AT THE LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. THE ELECTRIC CABLE THAT IS REMOVED SHALL NOT BE REUSED. REFER TO THE SPECIAL PROVISION FOR "REMOVE EXISTING CABLE" FOR ADDITONAL INFORMATION.
12. THE CONTRACTOR SHALL USE CARE IN INSTALLING THE STEEL FOUNDATIONS FOR THE STREET LIGHTS THAT ARE NEAR TRENCH EXCAVATIONS FOR STORM SEWERS. THE CONTROLLED LOW-STRENGTH MATERIAL SHALL BE BLOCKED OUT AT THE FOUNDATION LOCATIONS TO ALLOW FOR THEIR LATER CONSTRUCTION.
13. THE AUGERED CONDUITS MAY BE CONSTRUCTED IN TRENCHES PRIOR TO CONSTRUCTING PAVEMENTS WITH THE APPROVAL OF THE ENGINEER. THE CONDUITS WILL THEN BE PAID FOR AS CONDUIT IN TRENCH, OF THE SIZE SPECIFIED, ALONG WITH TRENCH AND BACKFILL WITH SCREENINGS OR SAND.
14. EXISTING LIGHTING CONTROLLERS, OWNED BY THE CITY AND UNIVERSITY, SHALL BE DE-ENERGIZED BY THE OWNERS UPON PRIOR NOTICE BY THE CONTRACTOR PER THE SPECIAL PROVISIONS. EXISTING CONTROLLER REMOVAL SHALL BE BY THEIR RESPECTIVE OWNERS.

KEYED NOTES

1. REMOVE EXISTING LIGHT POLE (FOR SALVAGE) PER SPECIAL PROVISIONS.
2. REMOVE EXISTING JUNCTION BOX PER SPECIAL PROVISIONS.
3. REMOVE CABLE FROM CONDUIT BACK TO ITS SOURCE PER SPECIAL PROVISIONS. CONDUIT AND DIRECT BURIED CABLES MAY BE ABANDONED IN PLACE IF THEY DO NOT INTERFERE WITH THE INSTALLATION OF NEW.
4. THE EXISTING JUNCTION BOX WILL REMAIN IN SERVICE. IF BOX IS DAMAGED DURING POLE BASE REMOVAL IT SHALL BE REPLACED.
5. EXTEND 2" CONDUIT INTO EXISTING JUNCTION BOX TO ALLOW FOR RE-FEEDING THE EXISTING LIGHTING CIRCUIT WEST ON GREGORY.
6. EXISTING LIGHT POLE SHALL REMAIN. EXTEND NEW CONDUIT INTO POLE. EXISTING POLES ON SOUTH SIDE OF GREGORY ARE FED FROM FREER HALL.
7. REMOVE EXISTING LIGHT POLE PER SPECIAL PROVISIONS FOR RELOCATION TO NEW LOCATION AS SHOWN. REMOVE CONDUCTORS TO LAST REMAINING LIGHT POLE IN BOTH DIRECTIONS. EXISTING POLES ON SOUTH SIDE OF GREGORY ARE FED FROM FREER HALL.
8. EXPOSE EXISTING CONDUIT TO THE WEST AND REMOVE ENOUGH TO ALLOW FOR THE REINSTALLATION OF THE POLE. INSTALL NEW JUNCTION BOX AND EXTEND CONDUIT INTO JUNCTION BOX. REINSTALL LIGHT POLE AND INSTALL NEW WIRE (OF SAME TYPE AND SIZE AS WAS REMOVED) FROM LAST REMAINING POLES TO THE EAST AND WEST. RESTORE FINISHED GRADE TO MATCH SURROUNDING AREA. EXISTING POLES ON SOUTH SIDE OF GREGORY ARE FED FROM FREER HALL.
9. LIGHTING SHALL BE FED FROM CONTROLLER BH (PROVIDED BY THE UNIVERSITY) INSIDE BEVIER HALL. THE CONTRACTOR SHALL STUB CONDUIT INTO HANDHOLE HH-1 10 FEET FROM BUILDING. THE UNIVERSITY SHALL PROVIDE CONDUIT AND THE CONDUCTORS FROM HH-1 INTO THE BUILDING TO THE CONTROLLER. THE UNIVERSITY SHALL PROVIDE (4) 20 AMP, 240V CIRCUITS FOR NEW LIGHTING AND CIRCUIT(S) AS REQUIRED TO REFEED THE EXISTING LIGHTING ON WEST GREGORY. THE UNIVERSITY SHALL PROVIDE ALL NECESSARY CONTROLLER EQUIPMENT TO PROVIDE DUSK TO DAWN OPERATION OF ROADWAY LIGHTING.

ROADWAY LIGHTING LEGEND

- PROPOSED LIGHTING CONTROLLER (X INDICATES CONTROLLER NUMBER).
- A — PROPOSED LIGHT POLE, 30' MOUNTING HEIGHT, 10' DAVIT ARM, WITH 400W LUMINAIRE (BY CITY OF URBANA).
- B — PROPOSED LIGHT POLE, 30' MOUNTING HEIGHT, 10' DAVIT ARM, WITH 250W LUMINAIRE (BY CITY OF URBANA).
- B2 — PROPOSED LIGHT POLE, 25' MOUNTING HEIGHT, 10' DAVIT ARM, WITH 250W LUMINAIRE (BY CITY OF URBANA).
- C — PROPOSED LIGHT POLE, 30' MOUNTING HEIGHT, TWIN 10' DAVIT ARMS, WITH TWO 250W LUMINAIRES (BY CITY OF URBANA).
- D — PROPOSED LIGHT POLE, 30' MOUNTING HEIGHT, TWIN 10' DAVIT ARMS, WITH ONE 250W LUMINAIRE AND ONE 400W LUMINAIRE (BY CITY OF URBANA).
- PROPOSED JUNCTION BOX, SPECIAL. ALL JUNCTION BOXES FOR ROADWAY LIGHTING SHALL BE 12"W x 12"L x 12"D UNLESS OTHERWISE NOTED.
- PROPOSED HANDHOLE, COMPOSITE CONCRETE PER HIGHWAY STANDARD 814000I. ALL HANDHOLES FOR ROADWAY LIGHTING SHALL BE 24"W x 26"L x 30"D.
- PROPOSED CONDUIT, BORED AND PULLED, COILABLE NON-METALLIC CONDUIT (SIZE AND QUANTITY AS NOTED).
- PROPOSED CONDUIT, SCHEDULE 40 PVC (SIZE AND QUANTITY AS NOTED).
- EXISTING LIGHT POLE.

JUSTIN J. FITZGERALD
062-058700
LICENSED PROFESSIONAL ENGINEER OF ILLINOIS

PROFESSIONAL ENGINEER
CLARK DIETZ, INC.
FOR SHEETS 64-71

DATE : 1/23/2009
LICENSE EXPIRES 11-30-09

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.

FILE NAME = P:\U0070052\Plans\sheets\64-Lighting.dgn	DESIGNED - MTP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY LIGHTING PLAN	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
PLOT DATE = 1/23/2009 1:32:04 PM	DRAWN - RJS	REVISED -			7175	07-00456-00-RS	CHAMPAIGN	75 / 64
	CHECKED - JJF	REVISED -				GOODWIN AVENUE	CONTRACT NO. 91392	
	DATE - 01-2009	REVISED -		SCALE : 1"=20' / SHEET NO. 64 OF 75 SHEETS / STA. 10+00 TO STA. 15+00	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

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CONTRACT NO. 91392

CONDUIT/CABLE SCHEDULE

(A) (1) 2" CONDUIT WITH 4-#6, 1-#6 GND (2 LIGHTING CIRCUITS), 3-#8 (REC. CIRCUITS 2 & 4), 3-#10 (REC. CIRCUITS 1 & 3), AND 1-#8 GND (TOTAL 4 REC. CIRCUITS).

(B) (1) 2" CONDUIT WITH 4-#6, 1-#6 GND (2 LIGHTING CIRCUITS) AND 6-#10, 1-#10 GND (4 REC. CIRCUITS).

(C) (1) 1 1/4" PVC CONDUIT WITH 2-#10, 1-#10 GND (1 CIRCUIT).

(D) (1) 2" CONDUIT WITH 2-#6 (LIGHTING CIRCUIT A1), 2-#10 (LIGHTING CIRCUIT A2), 1-#6 GND (TOTAL 2 LIGHTING CIRCUITS), AND 5-#10 AND 1-#10 GND (TOTAL 3 REC. CIRCUITS).

(E) (1) 2" CONDUIT WITH 4-#10, 1-#10 GND (2 LIGHTING CIRCUITS) AND 4#10, 1-#10 GND (2 REC. CIRCUITS).

(F) (1) 1 1/2" CONDUIT WITH 2-#10, 1-#10 GND (1 CIRCUIT).

(G) (1) 1 1/2" CONDUIT FOR 2-#6, 1-#6 GND (1 CIRCUIT). (CONDUCTORS BY OTHERS)

(H) (1) 1 1/4" PVC CONDUIT WITH 2-#10, 1-#10 GND (1 LIGHTING CIRCUIT) AND 2#10, 1-#10 GND (1 REC. CIRCUITS).

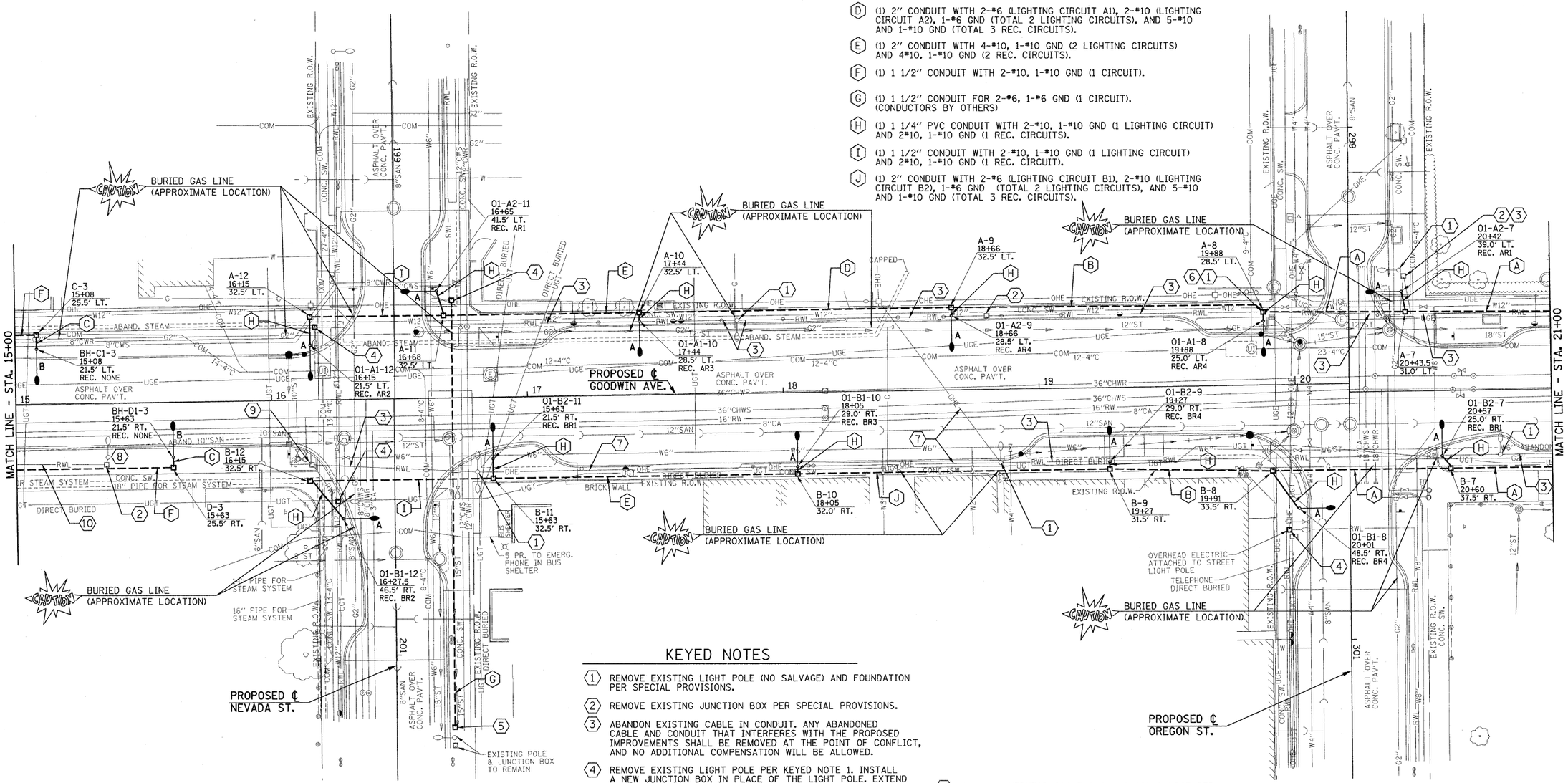
(I) (1) 1 1/2" CONDUIT WITH 2-#10, 1-#10 GND (1 LIGHTING CIRCUIT) AND 2#10, 1-#10 GND (1 REC. CIRCUIT).

(J) (1) 2" CONDUIT WITH 2-#6 (LIGHTING CIRCUIT B1), 2-#10 (LIGHTING CIRCUIT B2), 1-#6 GND (TOTAL 2 LIGHTING CIRCUITS), AND 5-#10 AND 1-#10 GND (TOTAL 3 REC. CIRCUITS).

N

0' 20' 40'

SCALE: 1" = 20'



KEYED NOTES

1. REMOVE EXISTING LIGHT POLE (NO SALVAGE) AND FOUNDATION PER SPECIAL PROVISIONS.
2. REMOVE EXISTING JUNCTION BOX PER SPECIAL PROVISIONS.
3. ABANDON EXISTING CABLE IN CONDUIT. ANY ABANDONED CABLE AND CONDUIT THAT INTERFERES WITH THE PROPOSED IMPROVEMENTS SHALL BE REMOVED AT THE POINT OF CONFLICT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
4. REMOVE EXISTING LIGHT POLE PER KEYED NOTE 1. INSTALL A NEW JUNCTION BOX IN PLACE OF THE LIGHT POLE. EXTEND CONDUIT AND CABLES INTO NEW BOX. COORDINATE RECONNECTION BY CITY OF URBANA PERSONNEL.
5. INSTALL NEW JUNCTION BOX AT THIS LOCATION. COORDINATE WITH THE CITY FOR CONNECTING CONDUIT INTO EXISTING POLE. PROVIDE 1½" CONDUIT TO JUNCTION BOX INSTALLED IN PLACE OF REMOVED LIGHT POLE ON THE NW QUADRANT OF THE INTERSECTION AS SHOWN.
6. DO NOT DISTURB GROUND WITHIN 3' OF LOCATION OF PROPOSED LIGHT TO ALLOW FOR THE INSTALLATION OF POLE BASE IN UNDISTURBED SOIL.
7. REMOVE OVERHEAD CABLE BACK TO ITS SOURCE PER SPECIAL PROVISIONS.
8. REMOVE EXISTING LIGHT POLE (FOR SALVAGE) PER SPECIAL PROVISIONS.
9. EXISTING JUNCTION BOX TO REMAIN.
10. REMOVE CABLE FROM CONDUIT BACK TO ITS SOURCE PER SPECIAL PROVISIONS. CONDUIT AND DIRECT BURIED CABLES MAY BE ABANDONED IN PLACE IF THEY DO NOT INTERFERE WITH THE INSTALLATION OF NEW.

FILE NAME = P:\U0070052\Plans\sheets\64-Lighting.dgn	DESIGNED - MTP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
PLOT DATE = 1/13/2009 10:45:10 AM	DRAWN - RJS	REVISED -	
	CHECKED - JJF	REVISED -	
	DATE - 01-2009	REVISED -	

ROADWAY LIGHTING PLAN

SCALE : 1"=20' | SHEET NO. 65 OF 75 SHEETS | STA. 15+00 TO STA. 21+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	07-00456-00-RS	CHAMPAIGN	75	65
	GOODWIN AVENUE	CONTRACT NO. 91392		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

U0070052

CONTRACT NO. 91392

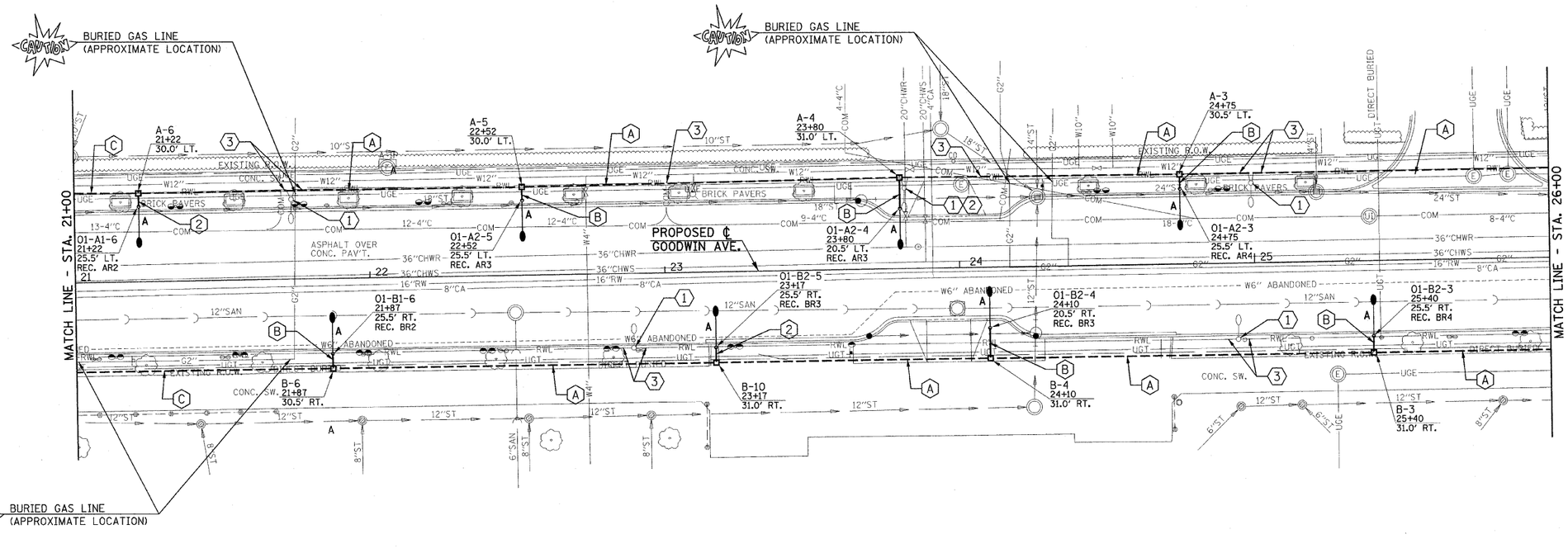
0' 20' 40'
SCALE: 1" = 20'

CONDUIT/CABLE SCHEDULE

(A) (1) 2" CONDUIT WITH 4-#6, 1-#6 GND (2 LIGHTING CIRCUITS) AND 6-#8, 1-#8 GND (4 REC. CIRCUITS).

(B) (1) 1 1/4" PVC CONDUIT WITH 2-#10, 1-#10 GND (1 LIGHTING CIRCUIT) AND 2#10, 1-#10 GND (1 REC. CIRCUITS).

(C) (1) 2" CONDUIT WITH 4-#6, 1-#6 GND (2 LIGHTING CIRCUITS), 3-#8 (REC. CIRCUITS 2 & 4), 3-#10 (REC. CIRCUITS 1 & 3), AND 1-#8 GND (TOTAL 4 REC. CIRCUITS).



KEYED NOTES

(1) REMOVE EXISTING LIGHT POLE (NO SALVAGE) AND FOUNDATION PER SPECIAL PROVISIONS.

(2) DO NOT DISTURB GROUND WITHIN 3' OF LOCATION OF PROPOSED LIGHT TO ALLOW FOR THE INSTALLATION OF POLE BASE IN UNDISTRUBED SOIL.

(3) ABANDON EXISTING CABLE IN CONDUIT. ANY ABANDONED CABLE AND CONDUIT THAT INTERFERES WITH THE PROPOSED IMPROVEMENTS SHALL BE REMOVED AT THE POINT OF CONFLICT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

FILE NAME = P:\U0070052\Plans\sheets\64-Lighting.dgn	DESIGNED - MTP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY LIGHTING PLAN	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT DATE = 1/13/2009 10:45:11 AM	DRAWN - RJS	REVISED -			7175	07-00456-00-RS	CHAMPAIGN	75	66
	CHECKED - JJF	REVISED -				GOODWIN AVENUE	CONTRACT NO. 91392		
	DATE - 01-2009	REVISED -		SCALE : 1"=20' / SHEET NO. 66 OF 75 SHEETS / STA. 21+00 TO STA. 26+00	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

U0070052

CONTRACT NO. 91392

CONDUIT/CABLE SCHEDULE

(A) (1) 2" CONDUIT WITH 4-#6, 1-#6 GND (2 LIGHTING CIRCUITS) AND 6-#8, 1-#8 GND (4 REC. CIRCUITS).

(B) (1) 1 1/4" PVC CONDUIT WITH 2-#10, 1-#10 GND (1 LIGHTING CIRCUIT) AND 2#10, 1-#10 GND (1 REC. CIRCUIT).

(C) (1) 3" CONDUIT WITH 4-#6, 1-#6 GND (2 "B" LIGHTING CIRCUITS), 6-#8, 1-#8 GND (4 "BR" REC. CIRCUITS), 4-#6, 1-#6 GND (2 "D" LIGHTING CIRCUITS), AND 2-#10, 1-#10 GND (1 "DR" REC. CIRCUIT).

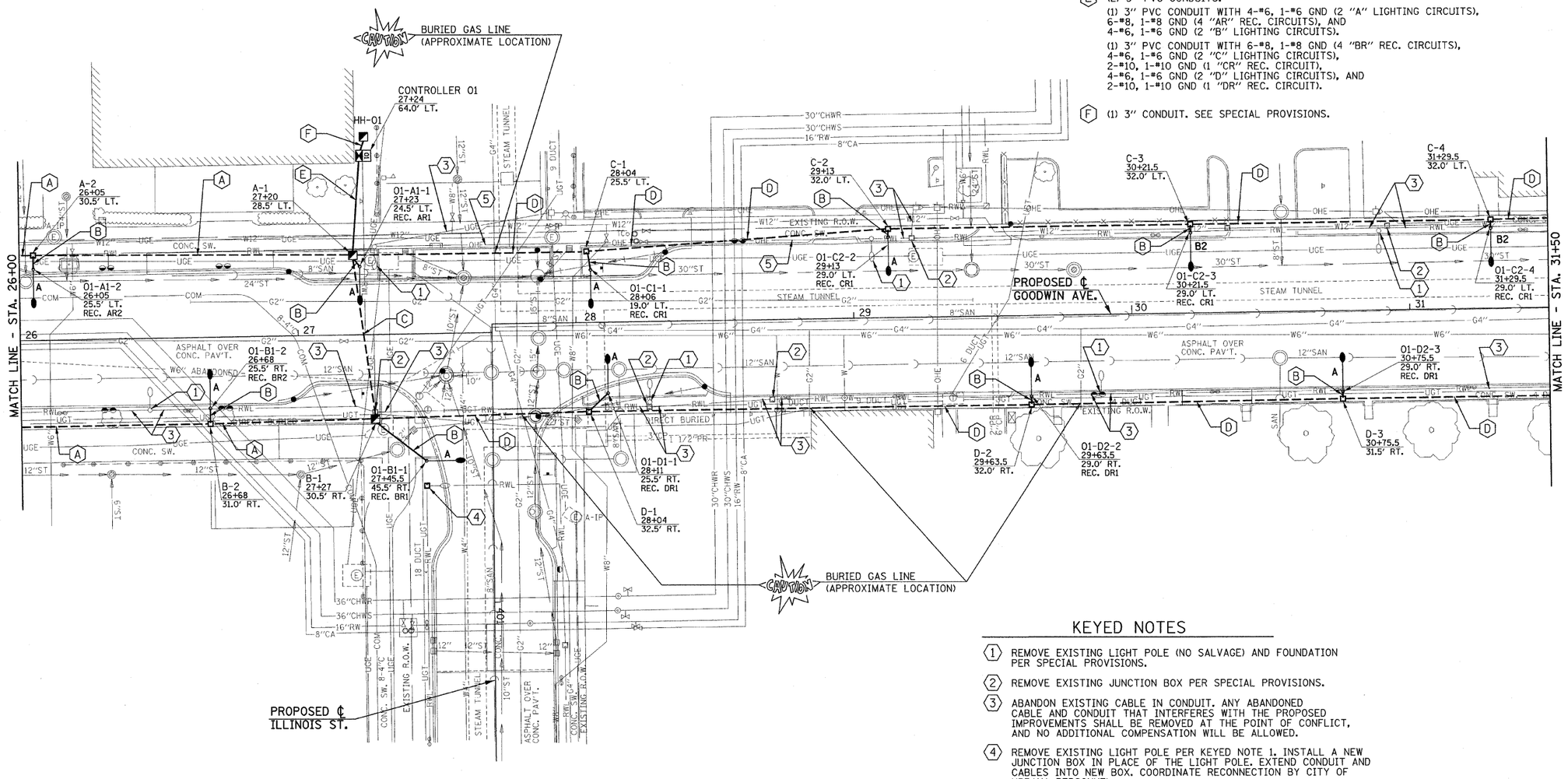
(D) (1) 1 1/2" CONDUIT WITH 4-#6, 1-#6 GND (2 LIGHTING CIRCUITS) AND 2-#10, 1-#10 GND (1 REC. CIRCUIT).

(E) (2) 3" PVC CONDUITS:
(1) 3" PVC CONDUIT WITH 4-#6, 1-#6 GND (2 "A" LIGHTING CIRCUITS), 6-#8, 1-#8 GND (4 "AR" REC. CIRCUITS), AND 4-#6, 1-#6 GND (2 "B" LIGHTING CIRCUITS).
(1) 3" PVC CONDUIT WITH 6-#8, 1-#8 GND (4 "BR" REC. CIRCUITS), 4-#6, 1-#6 GND (2 "C" LIGHTING CIRCUITS), 2-#10, 1-#10 GND (1 "CR" REC. CIRCUIT), 4-#6, 1-#6 GND (2 "D" LIGHTING CIRCUITS), AND 2-#10, 1-#10 GND (1 "DR" REC. CIRCUIT).

(F) (1) 3" CONDUIT. SEE SPECIAL PROVISIONS.

N

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



KEYED NOTES

(1) REMOVE EXISTING LIGHT POLE (NO SALVAGE) AND FOUNDATION PER SPECIAL PROVISIONS.

(2) REMOVE EXISTING JUNCTION BOX PER SPECIAL PROVISIONS.

(3) ABANDON EXISTING CABLE IN CONDUIT. ANY ABANDONED CABLE AND CONDUIT THAT INTERFERES WITH THE PROPOSED IMPROVEMENTS SHALL BE REMOVED AT THE POINT OF CONFLICT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

(4) REMOVE EXISTING LIGHT POLE PER KEYED NOTE 1. INSTALL A NEW JUNCTION BOX IN PLACE OF THE LIGHT POLE. EXTEND CONDUIT AND CABLES INTO NEW BOX. COORDINATE RECONNECTION BY CITY OF URBANA PERSONNEL.

(5) REMOVE OVERHEAD CABLE BACK TO ITS SOURCE PER SPECIAL PROVISIONS.

FILE NAME = P:\U0070052\Plans\sheets\64-Lighting.dgn	DESIGNED - MTP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY LIGHTING PLAN	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT DATE = 1/13/2009 10:45:12 AM	DRAWN - RJS	REVISED -			7175	07-00456-00-RS	CHAMPAIGN	75	67
	CHECKED - JJF	REVISED -			GOODWIN AVENUE		CONTRACT NO. 91392		
	DATE - 01-2009	REVISED -		SCALE : 1"=20' / SHEET NO. 67 OF 75 SHEETS / STA. 26+00 TO STA. 31+50	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

U0070052

CONTRACT NO. 91392

CONDUIT/CABLE SCHEDULE

(A) (1) 1 1/2" CONDUIT WITH 4-#6, 1-#6 GND (2 LIGHTING CIRCUITS)

(B) (1) 1 1/4" PVC CONDUIT WITH 2-#10, 1-#10 GND (1 LIGHTING CIRCUIT) AND 2#10, 1-#10 GND (1 REC. CIRCUIT).

(C) (1) 1 1/4" PVC CONDUIT WITH 2-#10, 1-#10 GND (1 LIGHTING CIRCUIT)

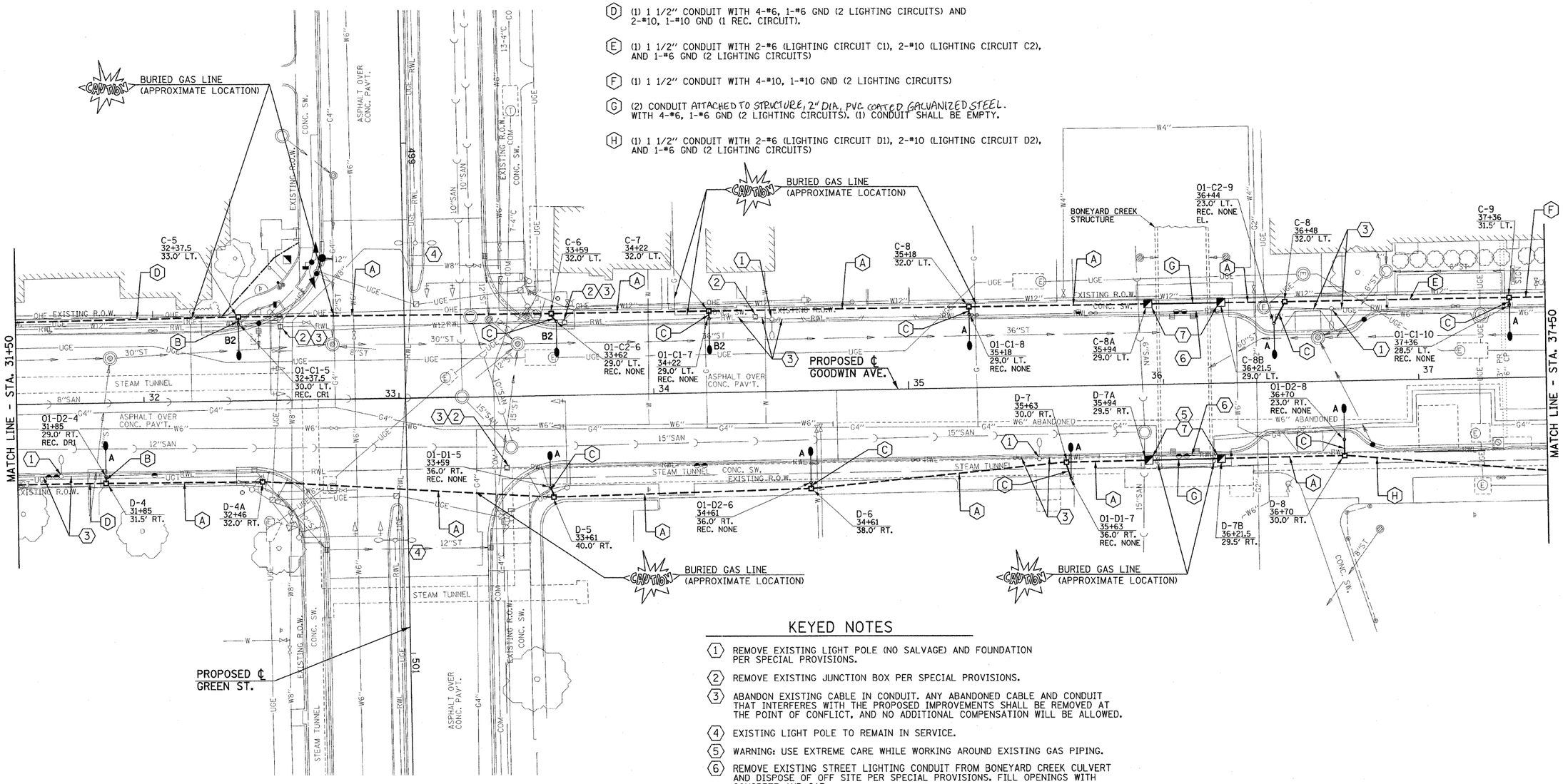
(D) (1) 1 1/2" CONDUIT WITH 4-#6, 1-#6 GND (2 LIGHTING CIRCUITS) AND 2-#10, 1-#10 GND (1 REC. CIRCUIT).

(E) (1) 1 1/2" CONDUIT WITH 2-#6 (LIGHTING CIRCUIT C1), 2-#10 (LIGHTING CIRCUIT C2), AND 1-#6 GND (2 LIGHTING CIRCUITS)

(F) (1) 1 1/2" CONDUIT WITH 4-#10, 1-#10 GND (2 LIGHTING CIRCUITS)

(G) (2) CONDUIT ATTACHED TO STRUCTURE, 2" DIA. PVC COATED GALVANIZED STEEL. WITH 4-#6, 1-#6 GND (2 LIGHTING CIRCUITS). (1) CONDUIT SHALL BE EMPTY.

(H) (1) 1 1/2" CONDUIT WITH 2-#6 (LIGHTING CIRCUIT D1), 2-#10 (LIGHTING CIRCUIT D2), AND 1-#6 GND (2 LIGHTING CIRCUITS)



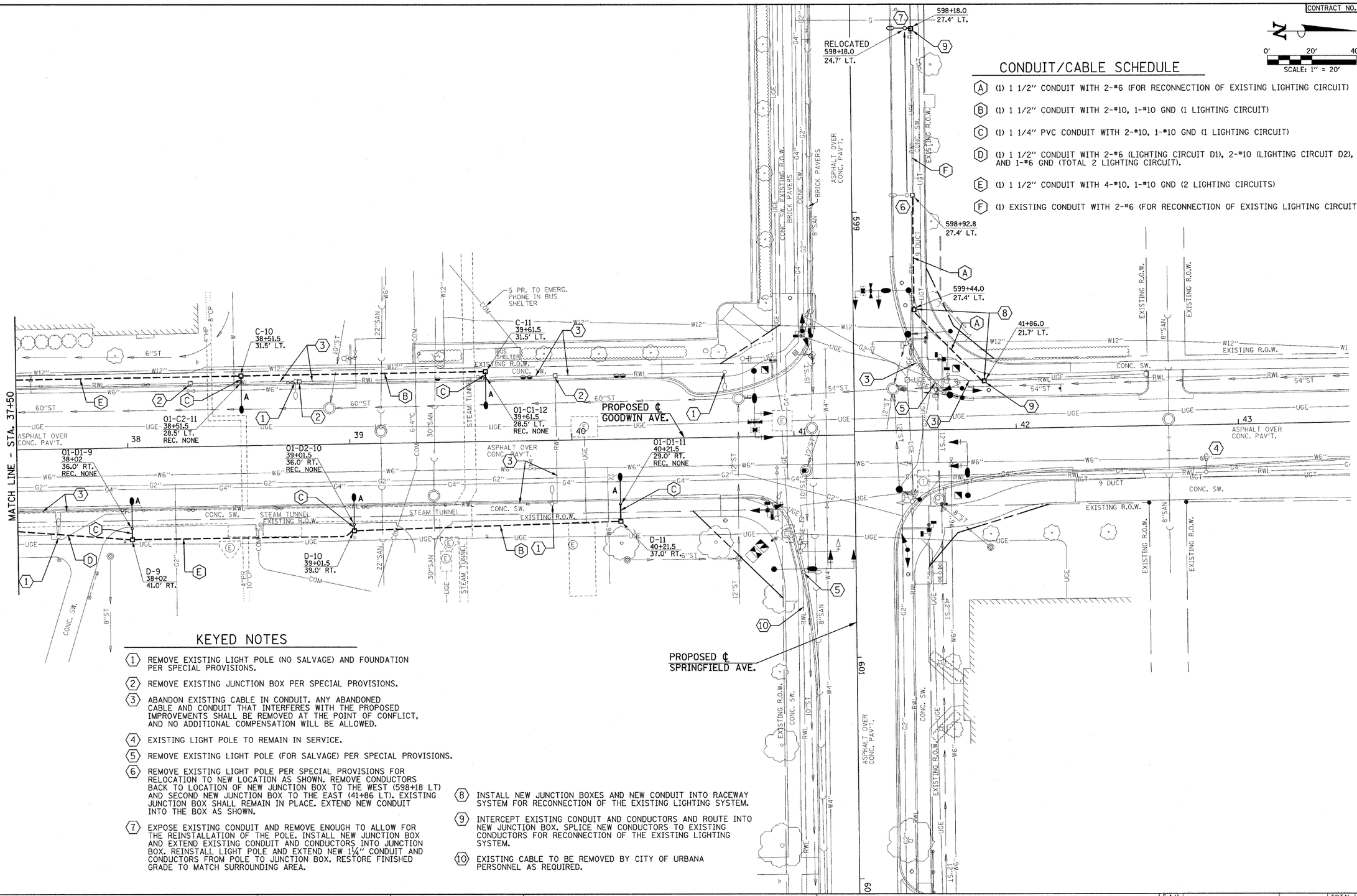
KEYED NOTES

1. REMOVE EXISTING LIGHT POLE (NO SALVAGE) AND FOUNDATION PER SPECIAL PROVISIONS.
2. REMOVE EXISTING JUNCTION BOX PER SPECIAL PROVISIONS.
3. ABANDON EXISTING CABLE IN CONDUIT. ANY ABANDONED CABLE AND CONDUIT THAT INTERFERES WITH THE PROPOSED IMPROVEMENTS SHALL BE REMOVED AT THE POINT OF CONFLICT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
4. EXISTING LIGHT POLE TO REMAIN IN SERVICE.
5. WARNING: USE EXTREME CARE WHILE WORKING AROUND EXISTING GAS PIPING.
6. REMOVE EXISTING STREET LIGHTING CONDUIT FROM BONEYARD CREEK CULVERT AND DISPOSE OF OFF SITE PER SPECIAL PROVISIONS. FILL OPENINGS WITH CONCRETE AND CAP.
7. THE INTENT IS TO RUN (2) 2-INCH PVC COATED RIGID STEEL CONDUITS FROM A HANDHOLE ON THE NORTH SIDE OF BONEYARD CREEK THROUGH THE CULVERT TO A HANDHOLE ON THE SOUTH SIDE OF BONEYARD CREEK. SECURE CONDUIT TO CULVERT CEILING PER SPECIFICATION WITH STAINLESS STEEL SUPPORTS AND HARDWARE APPROVED FOR THIS PURPOSE. EXTEND CONDUIT OUT OF WALL A MINIMUM OF 12-INCHES INTO HANDHOLE. PROVIDE A WATER TIGHT SEAL AROUND THE CONDUIT AT THE PENETRATIONS. CORE DRILLING OF CULVERT WALLS SHALL BE INCLUDED IN THE COST OF THE PVC COATED RIGID STEEL CONDUIT.

FILE NAME = P:\U0070052\Plans\sheets\64-Lighting.dgn	DESIGNED - MTP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY LIGHTING PLAN	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT DATE = 1/23/2009 12:52:54 PM	DRAWN - RJS	REVISED -			7175	07-00456-00-RS	CHAMPAIGN	75	68
	CHECKED - JJF	REVISED -				GOODWIN AVENUE	CONTRACT NO. 91392		
	DATE - 01-2009	REVISED -		SCALE : 1"=20' / SHEET NO. 68 OF 75 SHEETS / STA. 31+50 TO STA. 37+50	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

U0070052

CONTRACT NO. 91392



CONDUIT/CABLE SCHEDULE

- (A) (1) 1 1/2" CONDUIT WITH 2-#6 (FOR RECONNECTION OF EXISTING LIGHTING CIRCUIT)
- (B) (1) 1 1/2" CONDUIT WITH 2-#10, 1-#10 GND (1 LIGHTING CIRCUIT)
- (C) (1) 1 1/4" PVC CONDUIT WITH 2-#10, 1-#10 GND (1 LIGHTING CIRCUIT)
- (D) (1) 1 1/2" CONDUIT WITH 2-#6 (LIGHTING CIRCUIT D1), 2-#10 (LIGHTING CIRCUIT D2), AND 1-#6 GND (TOTAL 2 LIGHTING CIRCUIT).
- (E) (1) 1 1/2" CONDUIT WITH 4-#10, 1-#10 GND (2 LIGHTING CIRCUITS)
- (F) (1) EXISTING CONDUIT WITH 2-#6 (FOR RECONNECTION OF EXISTING LIGHTING CIRCUIT)

SCALE: 1" = 20'

KEYED NOTES

1. REMOVE EXISTING LIGHT POLE (NO SALVAGE) AND FOUNDATION PER SPECIAL PROVISIONS.
2. REMOVE EXISTING JUNCTION BOX PER SPECIAL PROVISIONS.
3. ABANDON EXISTING CABLE IN CONDUIT. ANY ABANDONED CABLE AND CONDUIT THAT INTERFERES WITH THE PROPOSED IMPROVEMENTS SHALL BE REMOVED AT THE POINT OF CONFLICT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
4. EXISTING LIGHT POLE TO REMAIN IN SERVICE.
5. REMOVE EXISTING LIGHT POLE (FOR SALVAGE) PER SPECIAL PROVISIONS.
6. REMOVE EXISTING LIGHT POLE PER SPECIAL PROVISIONS FOR RELOCATION TO NEW LOCATION AS SHOWN. REMOVE CONDUCTORS BACK TO LOCATION OF NEW JUNCTION BOX TO THE WEST (598+18 LT) AND SECOND NEW JUNCTION BOX TO THE EAST (41+86 LT). EXISTING JUNCTION BOX SHALL REMAIN IN PLACE. EXTEND NEW CONDUIT INTO THE BOX AS SHOWN.
7. EXPOSE EXISTING CONDUIT AND REMOVE ENOUGH TO ALLOW FOR THE REINSTALLATION OF THE POLE. INSTALL NEW JUNCTION BOX AND EXTEND EXISTING CONDUIT AND CONDUCTORS INTO JUNCTION BOX. REINSTALL LIGHT POLE AND EXTEND NEW 1¼" CONDUIT AND CONDUCTORS FROM POLE TO JUNCTION BOX. RESTORE FINISHED GRADE TO MATCH SURROUNDING AREA.
8. INSTALL NEW JUNCTION BOXES AND NEW CONDUIT INTO RACEWAY SYSTEM FOR RECONNECTION OF THE EXISTING LIGHTING SYSTEM.
9. INTERCEPT EXISTING CONDUIT AND CONDUCTORS AND ROUTE INTO NEW JUNCTION BOX. SPLICE NEW CONDUCTORS TO EXISTING CONDUCTORS FOR RECONNECTION OF THE EXISTING LIGHTING SYSTEM.
10. EXISTING CABLE TO BE REMOVED BY CITY OF URBANA PERSONNEL AS REQUIRED.

FILE NAME = P:\U0070052\Plans\sheets\64-Lighting.dgn	DESIGNED - MTP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN - RJS	REVISED -	
PLOT DATE = 1/23/2009 12:53:05 PM	CHECKED - JJF	REVISED -	
	DATE - 01-2009	REVISED -	

ROADWAY LIGHTING PLAN

SCALE : 1"=20' | SHEET NO. 69 OF 75 SHEETS | STA. 37+50 TO STA. 43+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	07-00456-00-RS	CHAMPAIGN	75	69
	GOODWIN AVENUE	CONTRACT NO. 91392		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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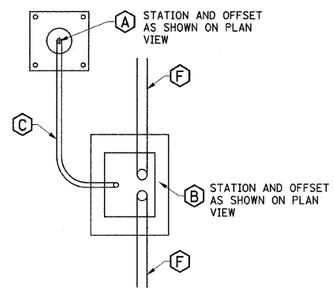
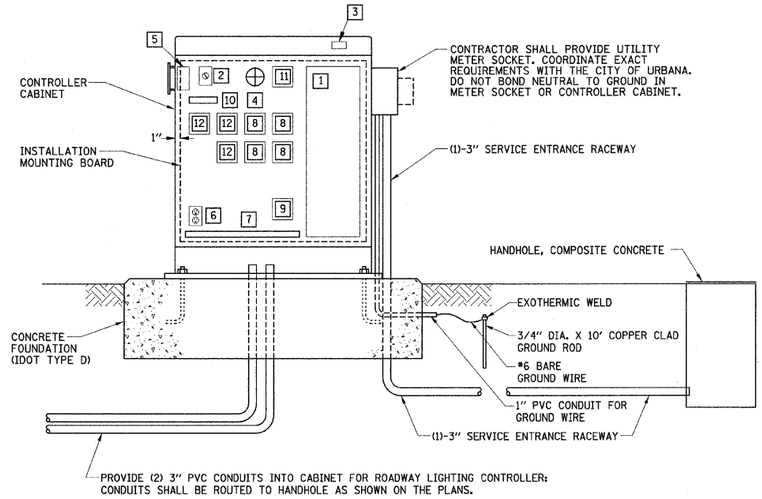


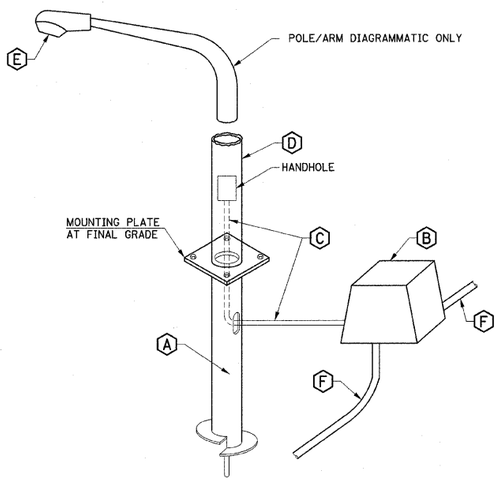
FOUNDATION/HANDHOLE DETAIL
NO SCALE



CONTROL CABINET, FOUNDATION AND DIAGRAMMATIC ASSEMBLY DETAIL LIGHTING CONTROLLER #01
NO SCALE

SUMMARY OF ROADWAY LIGHTING QUANTITIES

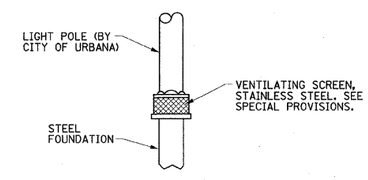
CODE NO.	ITEM	UNIT	QUANTITY	UNIVERSITY	CITY
80400105	ELECTRIC SERVICE INSTALLATION, SPECIAL	EACH	1		1
81012400	CONDUIT IN TRENCH, 1¼" DIA. PVC	FOOT	353	78	275
81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	110	110	
81012800	CONDUIT IN TRENCH, 3" DIA., PVC	FOOT	72		72
81028050	CONDUIT, BORED AND PULLED, COILABLE NON-METALLIC CONDUIT, 1½"	FOOT	4000	1125	2875
81028060	CONDUIT, BORED AND PULLED, COILABLE NON-METALLIC CONDUIT, 2"	FOOT	2707	592	2115
81028080	CONDUIT, BORED AND PULLED, COILABLE NON-METALLIC CONDUIT, 3"	FOOT	60		60
81306100	JUNCTION BOX, SPECIAL (12"W x 12"L x 12"D)	EACH	70	15	55
81306500	REMOVE EXISTING JUNCTION BOX	EACH	23	9	14
81400730	HANDHOLE, COMPOSITE CONCRETE	EACH	10	3	7
81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	18519	5007	13512
81702120	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	10925		10925
81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	22637	1737	20900
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	91	55	36
81900302	TRENCH AND BACKFILL WITH SCREENINGS OR SAND	FOOT	353	78	275
83600400	POLE FOUNDATION, METAL	EACH	61	14	47
84200500	REMOVAL OF EXISTING LIGHTING UNIT, SALVAGE	EACH	10	8	2
84200600	REMOVAL OF EXISTING LIGHTING UNIT, NO SALVAGE	EACH	30		30
84200700	LIGHTING FOUNDATION REMOVAL	EACH	30		30
84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	2	1	1
X0325815	REMOVE EXISTING CABLE	FOOT	1900	1900	
X0070866	LIGHTING CONTROLLER, LOCATION NO. 1	L SUM	1		1
X8430100	REMOVE EXISTING CONDUIT ATTACHED TO STRUCTURE	FOOT	40		40
X0070605	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., PVC COATED GALVANIZED STEEL	FOOT	100		100



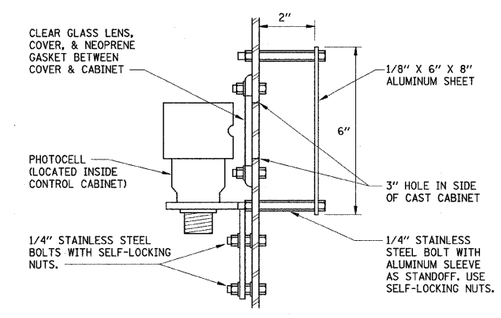
POLE/LUMINAIRE INSTALLATION DETAIL
NO SCALE

LIGHTING CONTROLLER #01 BILL OF MATERIALS

QTY	ITEM	DESCRIPTION
1	1	200A, 120/240V, 1ø, 42 CIRCUIT PANELBOARD (INTERIOR ONLY, NO PANEL TUB), QUANTITY OF BREAKERS AS SHOWN IN PANELBOARD SCHEDULE
1	2	HAND-OFF-AUTO SELECTOR SWITCH WITH LEGEND PLATE.
1	3	120 VAC, 20A, 1P PLUNGERTYPE SWITCH FOR CONTROLLER LIGHT, DOOR ACTIVATED
1	4	INCANDESCENT LIGHT FIXTURE WITH CLEAR GLOBE AND PROTECTIVE GUARD. PROVIDE 60WATT, 130VAC LAMP.
1	5	PHOTOCELL SWITCH WITH LOCKING TYPE RECEPTACLE AND INTEGRAL SURGE ARRESTORS. PHOTOCELL SHALL BE CABINET MOUNTED AND SHIELDED FROM SURROUNDING LIGHT SOURCES, WITH TIME DELAY RELAY TO PREVENT NUISANCE SWITCHING. (SEE PHOTOCELL DETAIL).
1	6	DUPLEX RECEPTACLE, 120VAC, 20A, GFCI TYPE.
1	7	TERMINAL STRIPS. QUANTITY AS REQUIRED FOR INCOMING WIRING PLUS 100% SPARE TERMINALS. PROVIDE SEPARATE TERMINAL STRIPS FOR POWER, NEUTRAL AND GROUND WIRING AS REQUIRED.
4	8	LIGHTING CONTACTOR, 30A, 240VAC, 4 POLE, 120VAC ELECTRICALLY HELD COIL. PROVIDE SPACE FOR ADDITIONAL CONTACTORS.
1	9	SURGE ARRESTOR
1	10	CONTROL WIRING TERMINAL BLOCK
1	11	ASTRONOMICAL TIME CLOCK WITH BATTERY MEMORY BACKUP TO CONTROL FESTOON RECEPTACLE "OFF" MODE (ON VIA PHOTOCELL)
3	12	RECEPTACLE CONTACTOR, 30A, 240VAC, 4 POLE, 120VAC ELECTRICALLY HELD COIL.



POLE/FOUNDATION DETAIL
NO SCALE



PHOTOCELL DETAIL
NO SCALE

ELECTRICAL KEYNOTES

(A) STEEL FOUNDATION - 6' LONG, 6-5/8" DIAMETER WITH THREADED HOLES FOR 1" BOLTS OR STUDS. A.B. CHANCE SA112-0567 OR APPROVED EQUAL. COORDINATE BOLT CIRCLE DIAMETER WITH POLES BEING PROVIDED BY THE CITY OF URBANA.

(B) CDR 12"W x 12"L x 12"D (UNLESS OTHERWISE INDICATED IN THE PLANS) FLARED WALL BOX WITH HEAVY DUTY COVER CAT.# PA22-1212-12-0062 OR APPROVED EQUAL.

(C) 1¼" SCHEDULE 40 PVC FROM JUNCTION BOX TO 6" ABOVE BASE WITH WIRING AS NOTED ON PLANS. THE CITY OF URBANA WILL FURNISH AND INSTALL A TWO POLE FUSEHOLDER WITH FUSES PER IDOT STANDARD SPECIFICATION 1065.01 AND A SURGE PROTECTOR AT THE LOAD SIDE OF THE FUSE HOLDER PER IDOT STANDARD SPECIFICATION 1065.02.

(D) ALUMINUM LIGHT POLE FURNISHED AND INSTALLED BY THE CITY OF URBANA.

(E) METAL HALIDE LUMINAIRE FURNISHED AND INSTALLED BY THE CITY OF URBANA.

(F) RACEWAY PER THE PLANS TO ADJACENT HANDHOLE OR 12" STUB FOR FUTURE EXTENSION OF LIGHTING CIRCUIT.

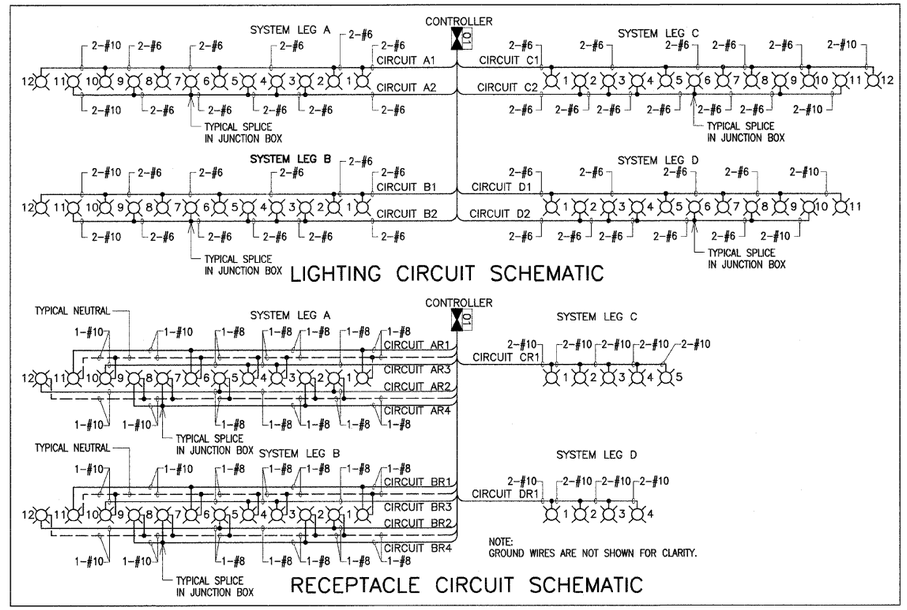
CONTRACT NO. 91392

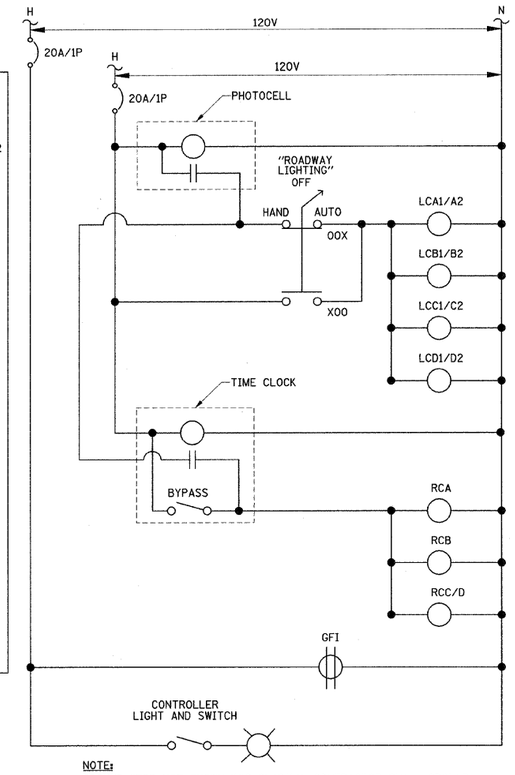
LIGHTING CONTROLLER #01 PANELBOARD SCHEDULE

PANELBOARD LIGHTING — MAINS 200 AMPS — LOCATION: GOODWIN AVENUE STATION 27+24 L
VOLTAGE 120/240 — BUS RATING 200 AMPS
PHASE/WIRE 1PH/3W — MOUNTING INTERIOR ONLY

DESCRIPTION	CKT. NO.	LOAD (VA) A	LOAD (VA) B	AMPS/ POLES	CKT. BKR.	CKT. BKR.	AMPS/ POLES	LOAD (VA) A	LOAD (VA) B	CKT. NO.	DESCRIPTION
STREET LIGHTING CIRCUIT A1	1	1560		20/2			20/2	1300		2	STREET LIGHTING CIRCUIT C1
	3		1560						1300	4	
STREET LIGHTING CIRCUIT A2	5	1560		20/2			20/2	1560		6	STREET LIGHTING CIRCUIT C2
	7		1560						1560	8	
STREET LIGHTING CIRCUIT B1	9	1560		20/2			20/2	1300		10	STREET LIGHTING CIRCUIT D1
	11		1560						1300	12	
STREET LIGHTING CIRCUIT B2	13	1560		20/2			20/2	1560		14	STREET LIGHTING CIRCUIT D2
	15		1560						1560	16	
SURGE ARRESTOR	17	0		30/2			20/1	500		18	CONTROL CIRCUIT
	19		0				20/1		280	20	CONTROLLER LIGHT & GFI
RECPT. CIRCUITS AR1/AR2	21	1080		20/1				0		22	SPACE
RECPT. CIRCUITS AR3/AR4	23		1080	20/1			20/1		900	24	RECPT. CIRCUIT CR1
RECPT. CIRCUITS BR1/BR2	25	1080		20/1			20/1	720		26	RECPT. CIRCUIT DR1
RECPT. CIRCUITS BR3/BR4	27		1080	20/1					0	28	SPACE
SPACE	29	0						0		30	SPACE
SPACE	31		0						0	32	SPACE
SPACE	33	0						0		34	SPACE
SPACE	35		0						0	36	SPACE
SPACE	37	0						0		38	SPACE
SPACE	39		0						0	40	SPACE
SPACE	41	0						0		42	SPACE
SUBTOTAL "A"		8400						6940			
SUBTOTAL "B"			8400						6900		

TOTAL VOLT-AMPERES A & B: 30,640 VA

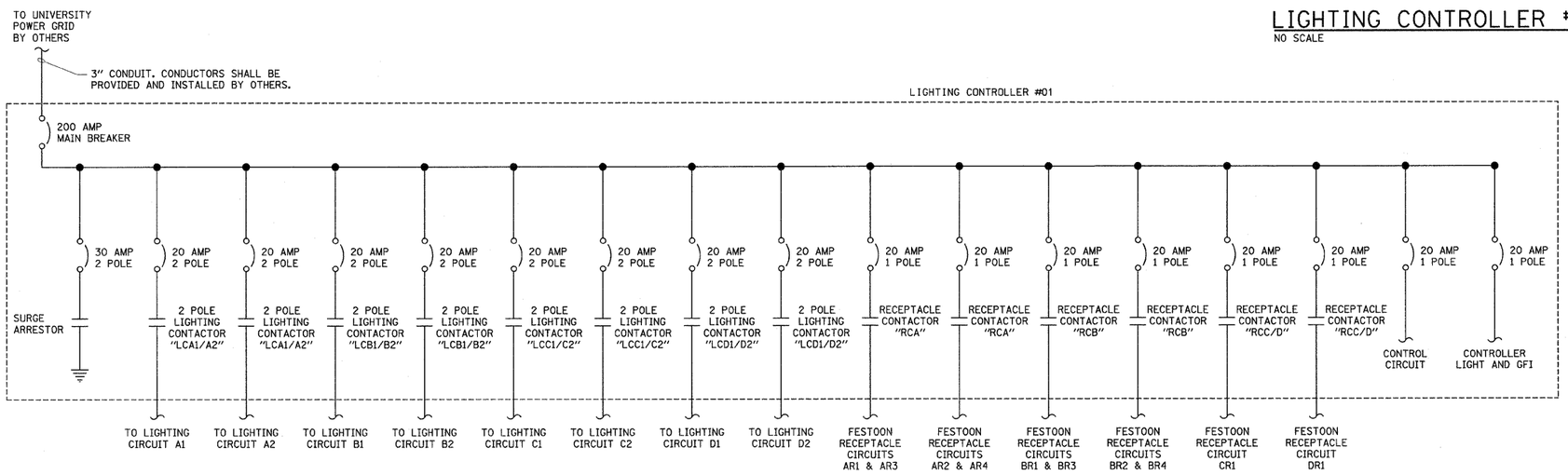




NOTE:
GROUND WIRE NOT SHOWN FOR CLARITY. CONTRACTOR SHALL GROUND ALL EQUIPMENT IN THE LIGHTING CONTROL CABINET AS REQUIRED BY THE 2008 NATIONAL ELECTRICAL CODE.

LIGHTING CONTROLLER #01 CONTROL DIAGRAM

NO SCALE

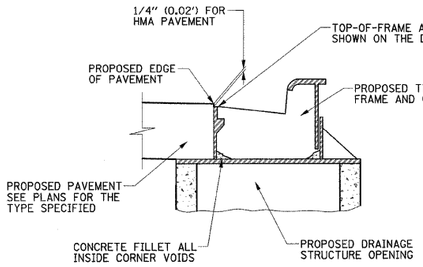


LIGHTING CONTROLLER #01 ELECTRICAL ONE-LINE DIAGRAM

NO SCALE

FILE NAME = P:\U0070052\Plans\sheets\64-Lighting.dgn	DESIGNED - MTP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY LIGHTING DETAILS	F.A.U. RTE. 7175	SECTION 07-00456-00-RS	COUNTY CHAMPAIGN	TOTAL SHEETS 75 / SHEET NO. 71
PLOT DATE = 1/13/2009 10:45:15 AM	DRAWN - RJS	REVISED -				GOODWIN AVENUE	CONTRACT NO. 91392	
	CHECKED - JJF	REVISED -						
	DATE - 01-2009	REVISED -		SCALE : NONE / SHEET NO. 71 OF 75 SHEETS / STA. 10+00 TO STA. 44+00	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

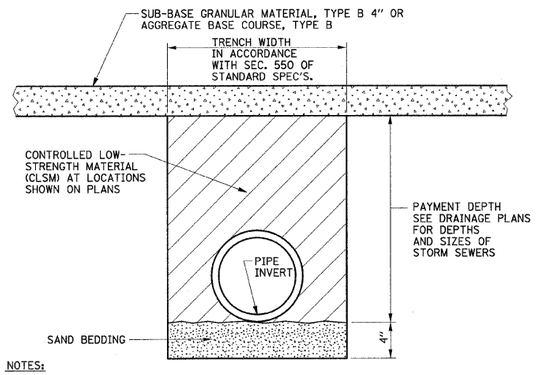
U0070052



NOTES:

1. SEE THE DRAINAGE PLANS FOR THE LOCATION AND ELEVATION OF THE FRAMES AND GRATES.
2. THIS DETAIL SHALL BE APPLICABLE FOR PROP. TYPE 11 FRAMES AND GRATES PLACED WITHIN COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL).
3. THE TOP-OF-FRAME ELEVATIONS SHOWN ON THE DRAINAGE PLANS ARE 0.02' LOWER THAN THE ADJACENT PROPOSED EDGE OF PAVEMENT ELEVATIONS FOR HMA PAVEMENT.
4. SEE STANDARD 604051 FOR ADDITIONAL INFORMATION.

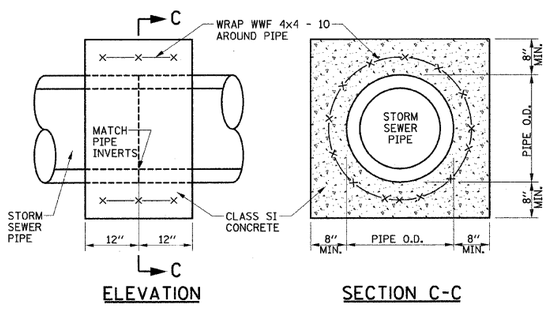
TYPE 11 FRAME AND GRATE DETAIL



NOTES:

1. THE CLSM SHALL BE PLACED IN LIFTS AS DESCRIBED IN SECTION 593 OF THE STANDARD SPECIFICATIONS.
2. THE APPLICABLE ARTICLES OF SECTION 550 OF THE STANDARD SPECIFICATIONS SHALL APPLY FOR EXCAVATION, BEDDING AND INSTALLATION OF STORM SEWERS.
3. THE SAND BEDDING SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CLSM AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
4. THE CLSM WILL BE PAID FOR IN ACCORDANCE WITH SECTION 593 OF THE STANDARD SPECIFICATIONS AND INCLUDES PAYMENT FOR THE MATERIAL TO THE TOP OF THE SAND BEDDING AS SHOWN ON THE DETAIL. THE QUANTITIES SHOWN ON THE PLANS ARE BASED ON A DEPTH MEASURED FROM THE TOP OF THE SAND BEDDING TO THE BOTTOM LIMITS OF THE SUB-BASE GRANULAR MATERIAL OR THE AGGREGATE BASE COURSE.

CONTROLLED LOW-STRENGTH MATERIAL DETAIL



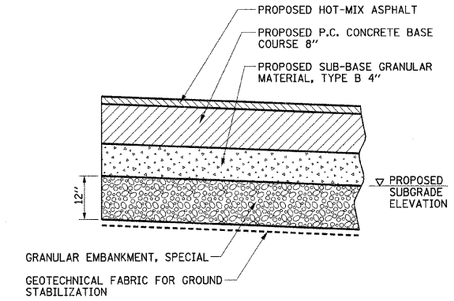
ELEVATION

SECTION C-C

NOTE:

THE CONCRETE COLLARS SHALL BE UTILIZED WHERE CONNECTING STORM SEWERS OF DIFFERENT TYPES OR AS DIRECTED BY THE ENGINEER. THE COST OF CONSTRUCTING THE CONCRETE COLLARS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR CONCRETE COLLAR.

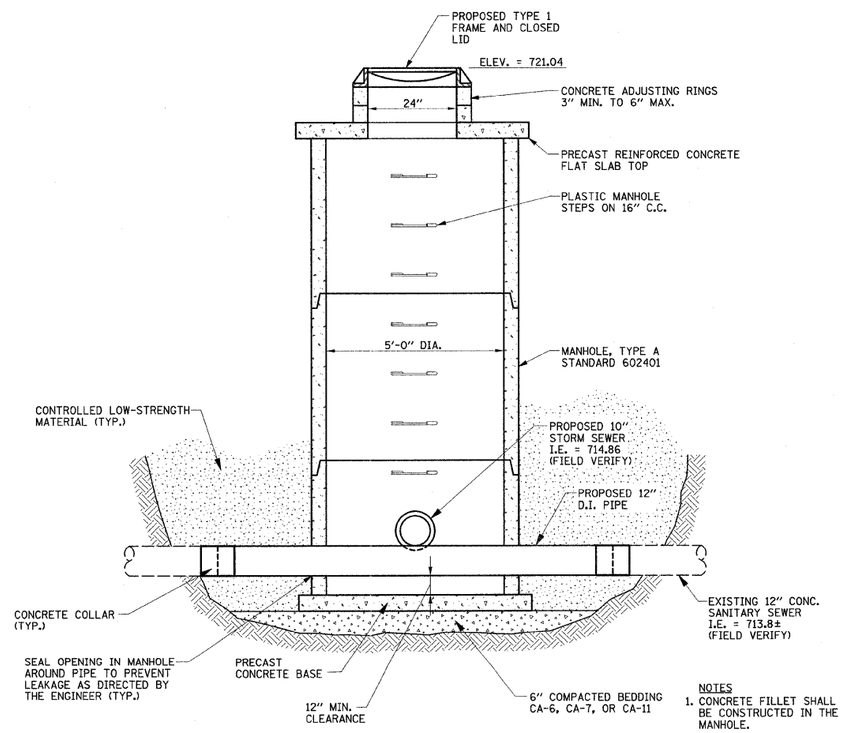
CONCRETE COLLAR DETAIL



NOTES:

1. THIS WORK SHALL BE CONSTRUCTED AT LOCATIONS AS DIRECTED BY THE ENGINEER. SEE PROPOSED TYPICAL SECTION NOTE 14 FOR ADDITIONAL INFORMATION.
2. THE WORK SHALL BE IN ACCORDANCE WITH SECTION 210 OF THE STANDARD SPECIFICATIONS. THE GRANULAR EMBANKMENT, SPECIAL WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON. THE GEOTECHNICAL FABRIC FOR GROUND STABILIZATION WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD. THE EARTH REMOVAL BELOW THE PROPOSED SUBGRADE ELEVATION LINE WILL BE PAID FOR AS REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL.

SUBGRADE REMOVAL AND REPLACEMENT DETAIL

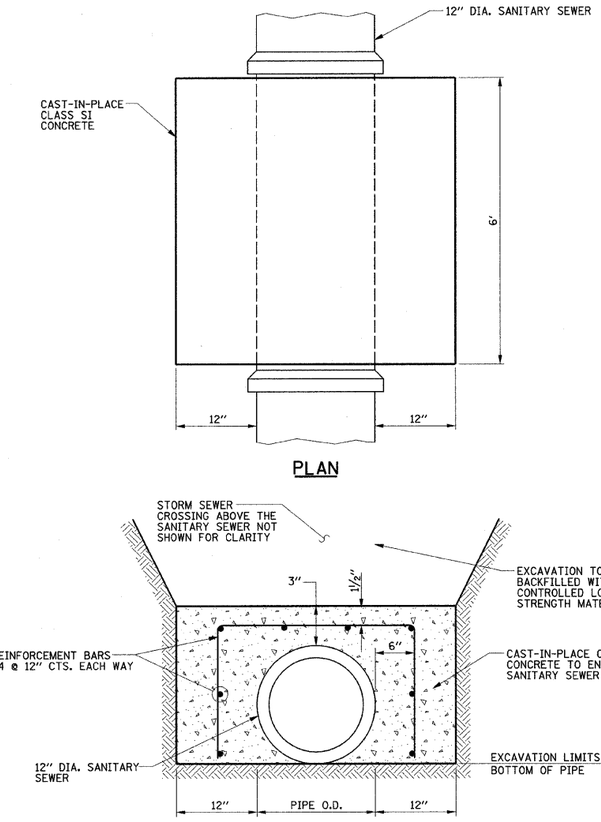


NOTES

1. CONCRETE FILLET SHALL NOT BE CONSTRUCTED IN THE MANHOLE.
2. MANHOLE STEPS REQUIRED.

MANHOLE, SPECIAL DETAIL

CONFLICT MANHOLE STA. 27+53.0, 14.5' RT.



SECTION

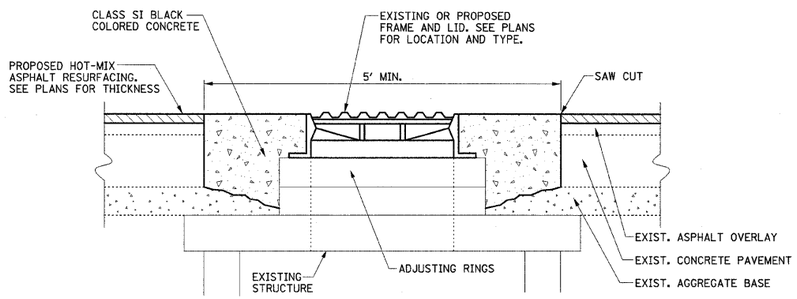
NOTES:

1. THE CONCRETE ENCASEMENT SHALL BE CONSTRUCTED PRIOR TO INSTALLING THE STORM SEWER PIPE TO PREVENT DAMAGE TO THE SANITARY SEWER.
2. THE COST OF CONSTRUCTING THE CONCRETE ENCASEMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR CONCRETE ENCASEMENTS. THE WORK SHALL INCLUDE THE EXCAVATION, CONCRETE, AND REINFORCEMENT BARS. THE CONTROLLED LOW-STRENGTH MATERIAL WILL BE PAID FOR SEPARATELY.

CONCRETE ENCASEMENT DETAIL

(FOR STORM SEWER AND SANITARY SEWER CROSSING)

STA. 27+86, 17' RT.



NOTE:

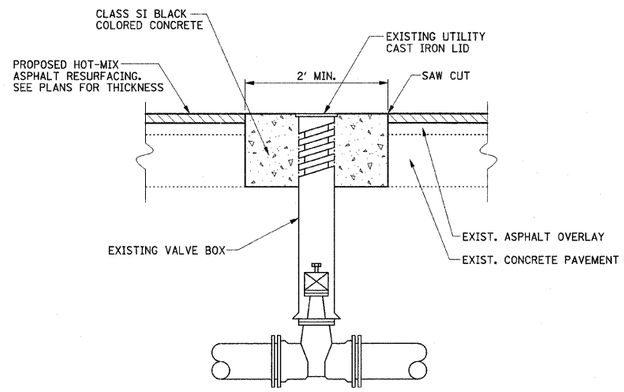
THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR:

MANHOLES TO BE ADJUSTED (SPECIAL);
MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID;
MANHOLES TO BE RECONSTRUCTED;
MANHOLES TO BE RECONSTRUCTED WITH NEW TYPE 1 FRAME, CLOSED LID;
SANITARY MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID;
SANITARY MANHOLES TO BE RECONSTRUCTED;
SANITARY MANHOLES TO BE RECONSTRUCTED WITH NEW FRAME AND LID;
* RESTRICTED DEPTH MANHOLES, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID;
* MANHOLES, SPECIAL, WITH TYPE 1 FRAME, CLOSED LID; AND
* RESTRICTED DEPTH INLET TYPE B, TYPE 1 FRAME, CLOSED LID;

WHICH PRICE SHALL INCLUDE ALL LABOR, MATERIAL, AND EQUIPMENT NECESSARY TO COMPLETE THE WORK, INCLUDING PAVEMENT REMOVAL, EXCAVATION, ADJUSTING RINGS, AND CLASS SI BLACK COLORED CONCRETE.

*SEE DETAIL A

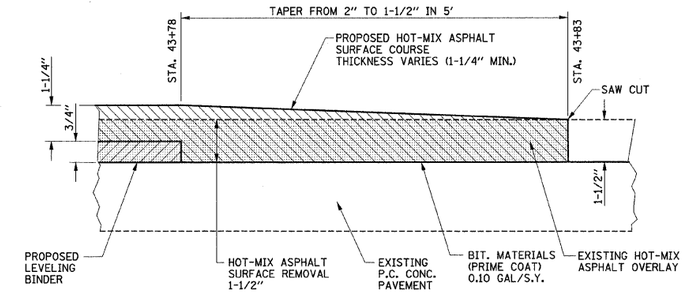
FRAME AND LID ADJUSTING DETAIL INSIDE PAVEMENT AREA



NOTE:

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR VALVE BOXES TO BE ADJUSTED (SPECIAL), WHICH PRICE SHALL INCLUDE ALL LABOR, MATERIAL, AND EQUIPMENT NECESSARY TO COMPLETE THE WORK, INCLUDING PAVEMENT REMOVAL, EXCAVATION, ADJUSTING RINGS, CLASS SI BLACK COLORED CONCRETE, AND CONCRETE STAMPING WHERE REQUIRED. THE LETTER SIZE FOR THE PROPOSED LEGEND STAMPED IN THE CONCRETE SHALL MATCH THE EXISTING LETTER SIZE.

VALVE BOXES TO BE ADJUSTED (SPECIAL) DETAIL

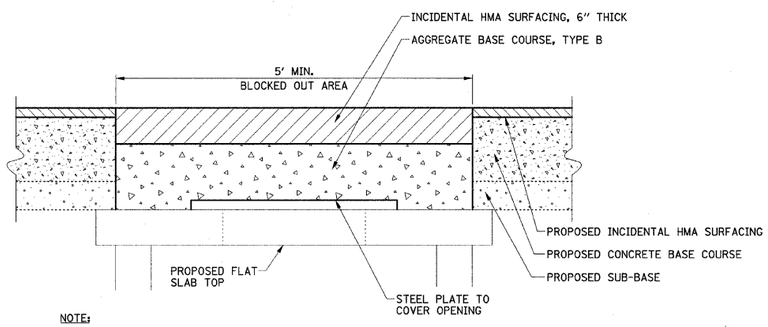


NOTE:

THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE HOT-MIX ASPHALT SURFACE COURSE AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. AT OTHER LOCATIONS WHERE THE PROPOSED HMA SURFACE MATCHES THE EXISTING SURFACE, THE CONTRACTOR SHALL TRANSITION THE 1/4" ELEVATION DIFFERENCE OVER 2'.

HOT-MIX ASPHALT BUTT-JOINT DETAIL

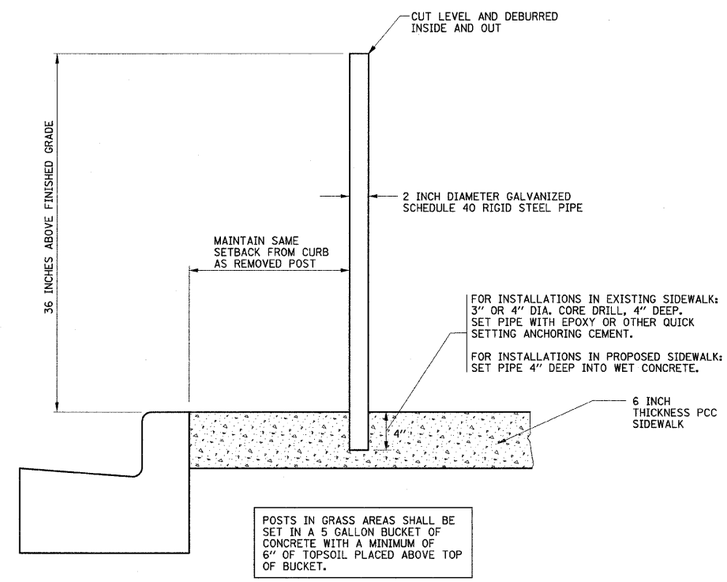
STA. 43+78 TO STA. 43+83

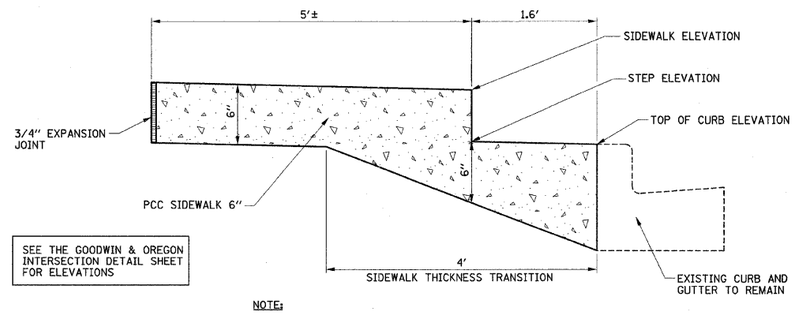


NOTE:

THIS DETAIL IS FOR TEMPORARY PAVEMENT ABOVE PROPOSED STRUCTURES. THE TEMPORARY PAVEMENT IS REQUIRED UNTIL THE PROPOSED CASTING IS ADJUSTED TO GRADE AFTER THE HMA RESURFACING IS COMPLETE AND THE PROPOSED CONCRETE PATCH IS CONSTRUCTED. THE STEEL PLATE SHALL BE INCLUDED IN THE COST OF THE PROPOSED DRAINAGE STRUCTURE. THE INCIDENTAL HMA SURFACING AND THE AGGREGATE BASE COURSE WILL BE PAID FOR SEPARATELY. SEE THE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.

DETAIL A

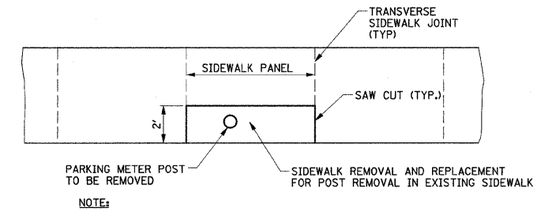




NOTE:

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR PORTLAND CEMENT CONCRETE SIDEWALK 6", AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

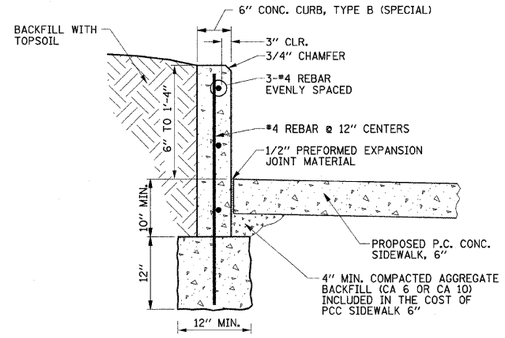
CONCRETE STEP DETAIL



NOTE:

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR FURNISHING AND SETTING STEEL POSTS, WHICH PRICE SHALL INCLUDE ALL LABOR, MATERIAL, AND EQUIPMENT NECESSARY TO COMPLETE THE WORK, INCLUDING CORE DRILLING AND BUCKETS OF CONCRETE. SIDEWALK REMOVAL AND P.C. CONC. SIDEWALK 6" WILL BE PAID FOR SEPARATELY.

PARKING METER POST INSTALLATION

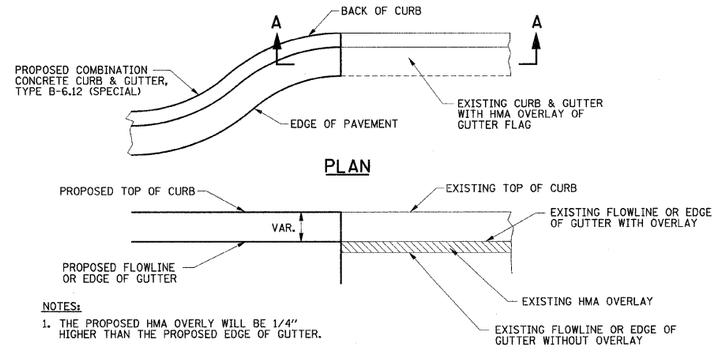


NOTE:

THE COST OF CONSTRUCTING THE ADDITIONAL CURB WIDTH BELOW GRADE AND FURNISHING AND INSTALLING THE #4 REBARS AND PREFORMED EXPANSION JOINT MATERIAL SHALL BE INCLUDED IN THE COST OF THE CONCRETE CURB, TYPE B (SPECIAL), AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. THE P.C. CONC. SIDEWALK WILL BE PAID FOR SEPARATELY.

CONCRETE CURB, TYPE B (SPECIAL) DETAIL

NORTHWEST CORNER OF GOODWIN AVE. & SPRINGFIELD AVE.

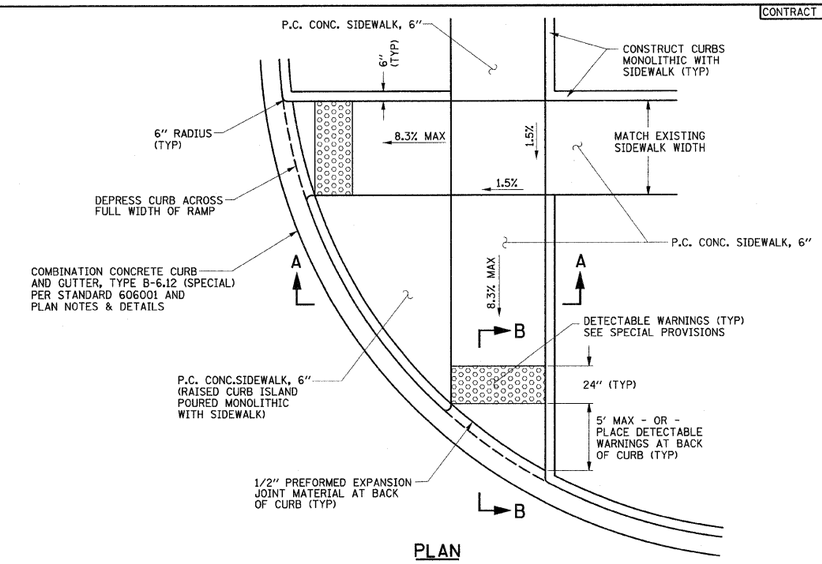


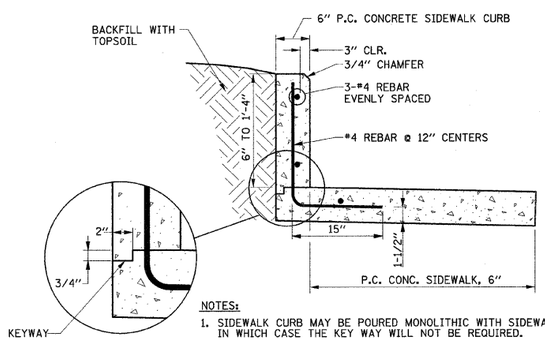
NOTES:

1. THE PROPOSED HMA OVERLY WILL BE 1/4" HIGHER THAN THE PROPOSED EDGE OF GUTTER.
2. THE PROPOSED GUTTER FLAG SHALL NOT HAVE AN OVERLAY.
3. WHERE THE PROPOSED CURB AND GUTTER MEETS THE EXISTING CURB AND GUTTER, THE PROPOSED OVERLAY OF THE EXISTING GUTTER FLAG SHALL BE TRANSITIONED TO MATCH THE PROPOSED GUTTER FLAG WITHOUT OVERLAY AS DIRECTED BY THE ENGINEER.

GUTTER FLAG DETAIL

EXISTING GUTTER FLAG WITH HMA OVERLAY AND PROPOSED GUTTER FLAG WITHOUT HMA OVERLAY



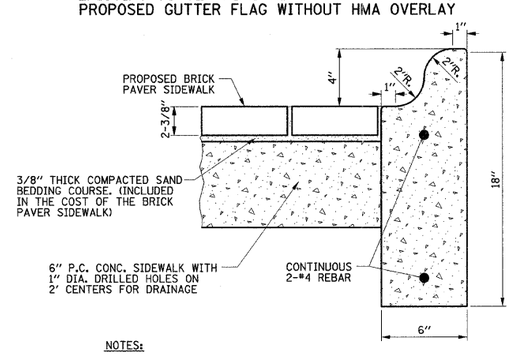


NOTES:

1. SIDEWALK CURB MAY BE POURED MONOLITHIC WITH SIDEWALK IN WHICH CASE THE KEY WAY WILL NOT BE REQUIRED.
2. THE COST OF CONSTRUCTING THE ADDITIONAL SIDEWALK WIDTH BELOW THE SIDEWALK CURB AND FURNISHING AND INSTALLING #4 REBARS SHALL BE INCLUDED IN THE COST OF THE PORTLAND CEMENT CONCRETE SIDEWALK CURB, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. THE P.C. CONC. SIDEWALK ADJACENT TO THE SIDEWALK CURB WILL BE PAID FOR SEPARATELY.

PORTLAND CEMENT CONCRETE SIDEWALK CURB DETAIL

NORTHWEST CORNER OF GOODWIN AVE. & NEVADA ST.

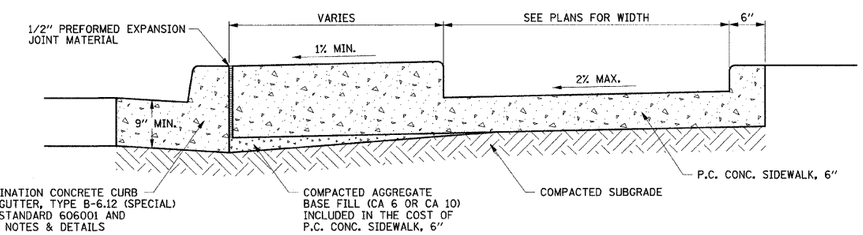


NOTES:

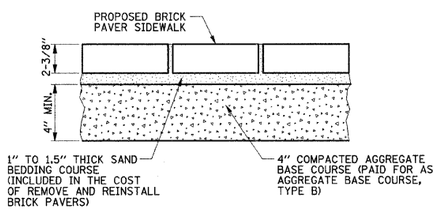
1. THE EXISTING TREE IN THE TREE PIT SHALL REMAIN.
2. THE INSIDE DIMENSIONS OF THE TREE PIT SHALL BE 6' x 3' OR AS DIRECTED BY THE ENGINEER.
3. THE COST OF FURNISHING AND INSTALLING THE #4 REBARS SHALL BE INCLUDED IN THE COST OF THE CONCRETE CURB (SPECIAL), AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. THE BRICK PAVER SIDEWALK AND P.C. CONC. SIDEWALK WILL BE PAID FOR SEPARATELY.

BRICK PAVER SIDEWALK AND CONCRETE CURB (SPECIAL) DETAIL

NORTHWEST CORNER OF GOODWIN AVE. & OREGON ST.



SECTION A-A

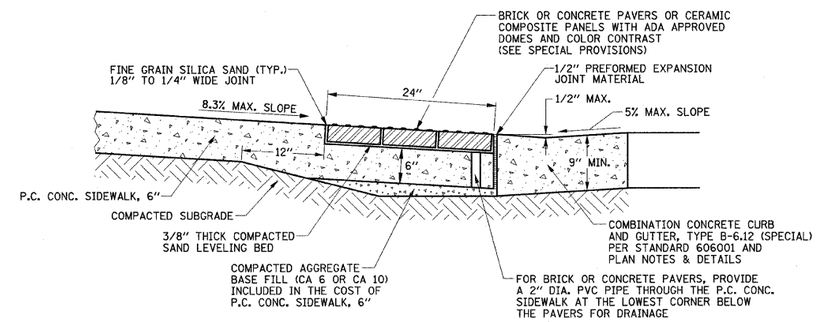


NOTE:

THE COST OF INSTALLING THE SALVAGED BRICK PAVERS ON THE SAND BEDDING COURSE SHALL BE INCLUDED IN THE COST OF REMOVE AND REINSTALL BRICK PAVERS. THE AGGREGATE BASE COURSE WILL BE PAID FOR SEPARATELY.

BRICK PAVER SIDEWALK DETAIL

WITH COMPACTED AGGREGATE BASE



SECTION B-B

SIDEWALK RAMP DETAIL

SIDEWALK GENERAL NOTES

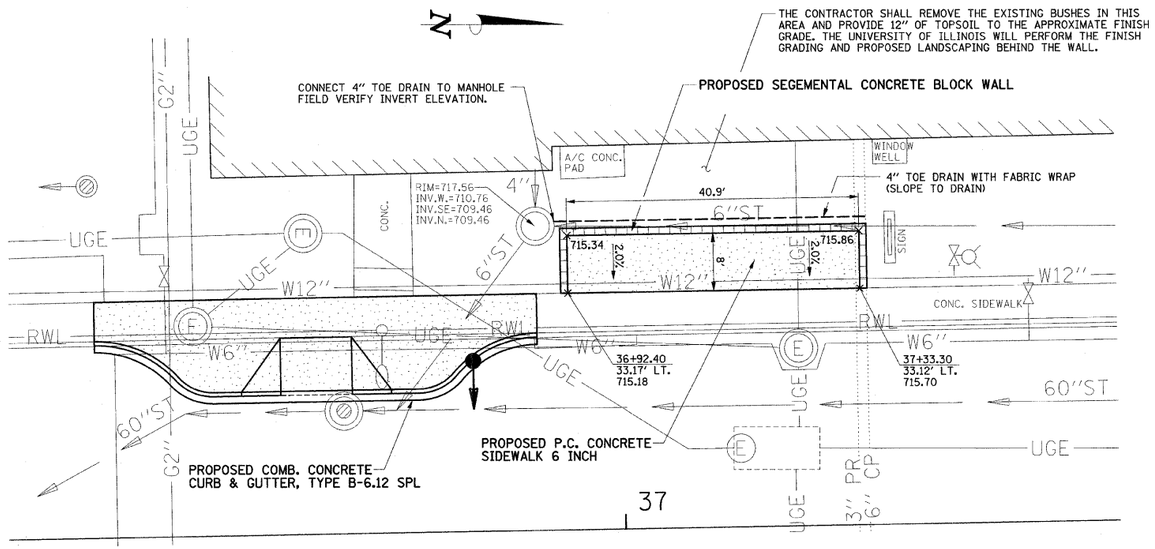
THE COST OF CONSTRUCTING THE DEPRESSED CURB AS SHOWN SHALL BE CONSIDERED INCLUDED IN THE COST OF CONSTRUCTING THE COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.12 (SPECIAL) AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

THE COST OF FURNISHING AND INSTALLING THE 1/2" EXPANSION JOINTS AND THE COST OF CONSTRUCTING THE P.C.C. SIDEWALK THICKNESS TRANSITION, INCLUDING THE ADJACENT CURBING AS SHOWN, SHALL BE INCLUDED IN THE COST OF CONSTRUCTING P.C. CONCRETE SIDEWALK 6" AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

THE DETECTABLE WARNINGS SHALL HAVE A CONTRASTING COLOR APPROVED BY THE ENGINEER AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD 424001 AND THE STANDARD SPECIFICATIONS. THE DETECTABLE WARNINGS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR DETECTABLE WARNINGS.

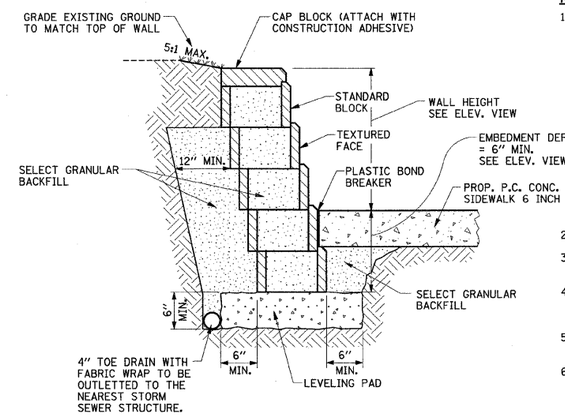
TRANSVERSE SAWED JOINTS SHALL BE PLACED AT CENTERS EQUAL TO THE SIDEWALK WIDTH UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THE MAXIMUM TRANSVERSE JOINT SPACING SHALL BE 10' UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THE 3/4" EXPANSION JOINTS SHALL BE PLACED AT 100' CENTERS.

CONTRACT NO. 91392



PLAN

SCALE 1" = 10'



SEGMENTAL CONCRETE BLOCK WALL TYPICAL SECTION DETAIL

NO SCALE

NOTES:

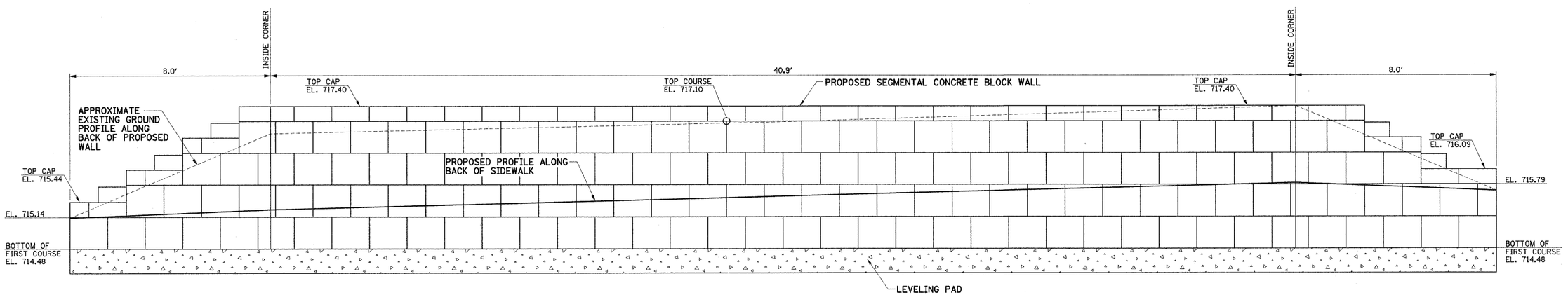
1. THE STATIONS, OFFSETS AND ELEVATIONS AS SHOWN IN THE DETAIL ARE BASED ON BLOCKS WITH THE FOLLOWING DIMENSIONS:

   STANDARD BLOCK:
   LENGTH = 17-5/8"
   HEIGHT = 7-7/8"
   DEPTH = 11-7/8"

   CAP BLOCK:
   LENGTH = 17-5/8"
   HEIGHT = 3-7/8"
   DEPTH = 12"

   SET BACK: 6° WALL BATTER FROM VERTICAL

   THE ACTUAL STATIONS, OFFSETS AND ELEVATIONS MAY VARY FROM THE DETAIL AT THE APPROVAL OF THE ENGINEER.
2. COLOR SAMPLE SHALL BE SUBMITTED BY THE CONTRACTOR.
3. THE FRONT SURFACE AREA OF THE SEGMENTAL CONCRETE BLOCK WALL = 155 SQ.FT.
4. THE FACE OF THE BLOCK WALL SHALL BE COVERED WITH PLASTIC OR OTHER MATERIAL DURING THE SIDEWALK CONSTRUCTION TO PREVENT SPLATTERING OF CONCRETE ON THE BLOCKS.
5. ADDITIONAL SIDEWALK WIDTH MAY BE REQUIRED DUE TO BLOCK WALL OFFSET CHANGES.
6. SEE SPECIAL PROVISIONS FOR PAYMENT INFORMATION.



ELEVATION

APPROXIMATE SCALE:
HORIZ. 1" = 2'
VERT. 1" = 1'

FILE NAME = p:\u0070052\plans\sheets\72-MiscDetails.dgn	DESIGNED - JRM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MISCELLANEOUS DETAILS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
PLOT DATE = 1/12/2009 7:47:26 PM	DRAWN - JRM	REVISED -			7175	07-00456-00-RS	CHAMPAIGN	75 / 75
	CHECKED - RLH	REVISED -				GOODWIN AVENUE	CONTRACT NO. 91392	
	DATE - 01-2009	REVISED -		SCALE : NONE / SHEET NO. 75 OF 75 SHEETS / STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

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