

INDEX OF SHEETS

08-03-13 LETTING ITEM 066 STATE OF ILLINOIS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	12-00518-00-TL	CHAMPAIGN	31	1
GOODWIN AVENUE		CONTRACT NO. 91483		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	GENERAL NOTES
3	HIGHWAY STANDARDS AND LEGEND
4-5	SUMMARY OF QUANTITIES
6	EXISTING TYPICAL SECTIONS
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**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 = 5 FEET
CROSS SECTIONS VERT. 1 INCH = 5 FEET

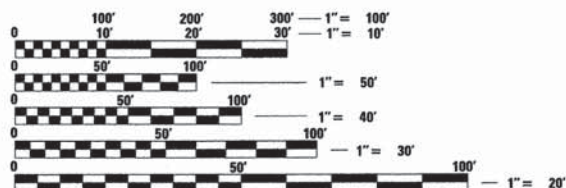
**CITY OF URBANA
CHAMPAIGN COUNTY, ILLINOIS
SECTION: 12-00518-00-TL
PROJECT NO. TCSP-IL10(106)**

**TRANSPORTATION, COMMUNITY, AND SYSTEM PRESERVATION PROGRAM
GOODWIN AVENUE – F.A.U. ROUTE 7175
INTERSECTION IMPROVEMENTS AT GREEN STREET**

ILLINOIS HIGHWAY STANDARD DRAWINGS
(SEE SHEET NO. 3)



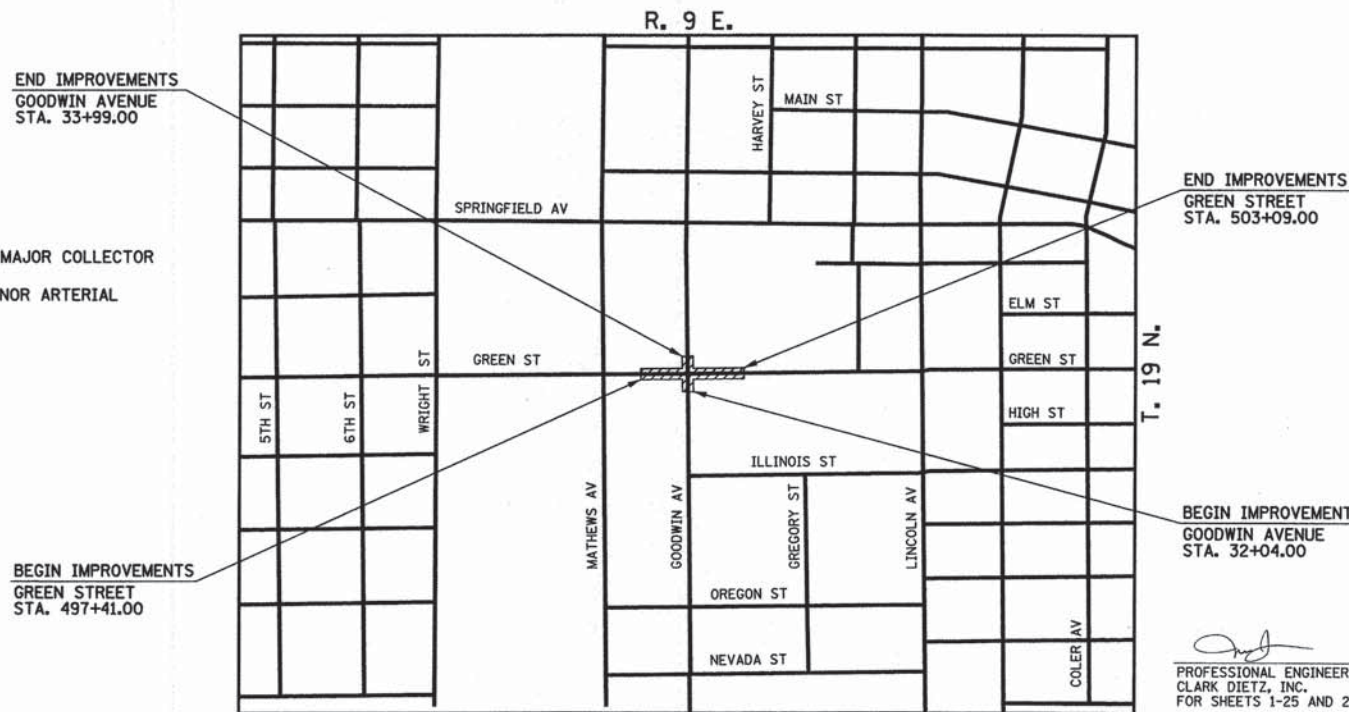
FAU ROUTE 7175 (GOODWIN AVENUE) = MAJOR COLLECTOR
ADT = 6,100 (2013/2033)
FAU ROUTE 7126 (GREEN STREET) = MINOR ARTERIAL
ADT = 10,900 (2013/2033)



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 OR 811

CONTRACT NO. 91483



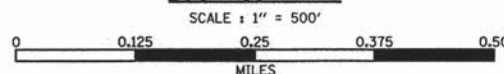
END IMPROVEMENTS
GOODWIN AVENUE
STA. 33+99.00

END IMPROVEMENTS
GREEN STREET
STA. 503+09.00

BEGIN IMPROVEMENTS
GREEN STREET
STA. 497+41.00

BEGIN IMPROVEMENTS
GOODWIN AVENUE
STA. 32+04.00

LOCATION MAP



TOTAL LENGTH OF GOODWIN AVENUE IMPROVEMENT = 195 FEET = 0.04 MILES
TOTAL LENGTH OF GREEN STREET IMPROVEMENT = 568 FEET = 0.11 MILES
TOTAL LENGTH OF IMPROVEMENT = 763 FEET = 0.15 MILES



LICENSE EXPIRES
11/30/2013

PROFESSIONAL ENGINEER
CLARK DIETZ, INC.
FOR SHEETS 1-25 AND 29-31
DATE: 04-18-2013
LICENSE EXPIRES 11-30-2013



PROFESSIONAL ENGINEER
CLARK DIETZ, INC.
FOR SHEETS 26-28
DATE: 04/18/2013
LICENSE EXPIRES 11-30-2013



CITY OF URBANA

APPROVED April 19 2013
William R. Gray
DIRECTOR OF PUBLIC WORKS

PASSED May 14 2013
Sart A. Selby
DISTRICT FIVE ENGINEER OF LOCAL ROADS & STREETS

Releasing For
Bid Based on
Limited Review 0514 2013

Joseph E. Cooney, III
DEPUTY DIRECTOR OF HIGHWAYS,
REGION THREE ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

Clark Dietz
ENGINEERS
125 WEST CHURCH STREET
CHAMPAIGN, IL 61820
PHONE : 217.373.8900
FAX : 217.373.8923

GENERAL NOTES

- ALL ELEVATIONS SHOWN REFER TO THE N.A.V.D. 1988 DATUM.
- 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, 2012.
- 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 CONSTRUCTION IN ILLINOIS" AS PREPARED BY ISPE, UCA, APWA, ASCE, AND IML AND ADOPTED IN JULY 2009.
- 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.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THE PROJECT.
- THE CONTRACTOR SHALL BE REQUIRED TO COMPLY WITH STATE REGULATIONS REGARDING AIR, WATER, AND NOISE POLLUTION.
- THE CONTRACTOR SHALL TAKE CARE NOT TO STORE OR DISPOSE OF DEBRIS OR UNSUITABLE MATERIALS WITHIN THE LIMITS OF THE IMPROVEMENT AND SHALL TAKE CARE TO LIMIT CONSTRUCTION ACTIVITIES TO WITHIN THE RIGHT-OF-WAY AND EASEMENT AREAS. UNNECESSARY ENCROACHMENTS ONTO PRIVATE OR PUBLIC AREAS WILL NOT BE ALLOWED.
- 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 SHALL BE RESPONSIBLE FOR HAVING AN ILLINOIS REGISTERED LAND SURVEYOR REESTABLISH ANY MONUMENTS UNNECESSARILY DESTROYED BY HIS OR HER OPERATIONS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF CONSTRUCTION LAYOUT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ALL STREET RETURNS HAVE RADII DESIGNATED TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED ON THE PLANS.
- THE EXCAVATION FOR THIS PROJECT IS CLASSIFIED AS EARTH EXCAVATION IN ACCORDANCE WITH SECTION 202 OF THE STANDARD SPECIFICATIONS AND AS PROVIDED IN THE SPECIAL PROVISIONS. 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 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, SIDEWALK REMOVAL, AND RETAINING WALL REMOVAL.
- IT MAY BE NECESSARY TO UNDERCUT AND REMOVE EARTH AND ORGANIC MATERIAL AT LOCATIONS DETERMINED BY THE ENGINEER. ALL UNSTABLE, UNSUITABLE, OR ORGANIC MATERIAL SHALL BE DISPOSED OF OFF THE SITE AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE MEASURED AND PAID FOR AS REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL. SEE THE "SUBGRADE REMOVAL AND REPLACEMENT DETAIL" AND THE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.
- TREES TO BE REMOVED: THE INDICATED TREES (INCLUDING STUMPS) TO BE REMOVED WILL 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. NO TREE SHALL BE REMOVED WITHOUT DIRECTION FROM THE ENGINEER TO DO SO.
- TREES TO BE SAVED: PARTICULAR EFFORT SHALL BE MADE TO SAVE ALL EXISTING DESIRABLE TREES OR SHRUBS. ONLY A MINIMUM OF GRADING WILL BE PERMITTED AROUND TREES AS DETERMINED BY THE ENGINEER. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR UNNECESSARY DAMAGE TO TREES, SHRUBS, OR LANDSCAPING INTENDED TO BE SAVED, AND ANY ITEMS DAMAGED BY THE CONTRACTOR SHALL BE REPLACED IN-KIND AS DIRECTED BY THE ENGINEER AND AT THE CONTRACTOR'S EXPENSE.
- 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.
- 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 PROVISION FOR "TRAFFIC CONTROL AND PROTECTION (SPECIAL)" FOR ADDITIONAL INFORMATION ON REMOVING AND RESETTING THE EXISTING TRAFFIC SIGNS AND POSTS. REMOVING AND RESETTING THE EXISTING TRAFFIC SIGNS AND POSTS WILL NOT BE MEASURED FOR PAYMENT BUT SHALL BE INCLUDED IN THE COST OF THE VARIOUS REMOVAL PAY ITEMS, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- 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.
- THE FINISHED EARTHWORK SHALL HAVE VEGETATIVE SUSTAINING SOIL COVERING THE TOP 6 INCHES IN AREAS TO BE SEED OR SODDED. THE TOPSOIL REQUIRED WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF SEEDING (COMPLETE) OR SODDING, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ALL DISTURBED AREAS SHALL BE SEED OR SODDED AS SHOWN ON THE PLANS. SEEDING OR SODDING SHALL BE DONE AS SOON AS EACH CONSTRUCTION STAGE IS COMPLETE AS DIRECTED BY THE ENGINEER. EXISTING TURF WHICH IS DAMAGED OUTSIDE THE LIMITS OF RIGHT-OF-WAY, EASEMENTS, OR GRADING SHALL BE REESTABLISHED WITH SOD AS DIRECTED BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
- THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HOT-MIX ASPHALT LIFTS.
- THE FOLLOWING RATES OF APPLICATION HAVE BEEN ASSUMED IN CALCULATING PLAN QUANTITIES:

BITUMINOUS PRIME COAT - PAVED SURFACE	0.05 TO 0.10 GAL/SQ YD
BITUMINOUS PRIME COAT - AGGREGATE BASE	0.25 TO 0.50 GAL/SQ YD
AGGREGATE PRIME COAT - PAVED SURFACE	2 TO 4 LBS/SQ YD
HOT-MIX ASPHALT (ALL TYPES)	112 LBS/SQ YD/INCH THICK
AGGREGATE MATERIALS	2.05 TON/CU YD
- 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 UTILITY LOCATIONS AS SHOWN OR THAT ALL UTILITY FACILITIES ARE SHOWN. THE UTILITY LOCATIONS SHOWN IN THE PLANS ARE APPROXIMATE AND REPRESENT LOCATIONS PRIOR TO ANY UTILITY RELOCATIONS REQUIRED TO ACCOMMODATE 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. REFER TO THE "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.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH THE UTILITY COMPANIES.
- 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.
- UTILITY OWNERS:
 - * INDICATES J.U.L.I.E. MEMBER
 - * AMEREN IP
1112 WEST ANTHONY DRIVE
URBANA, ILLINOIS 61803
(217) 383-7280
 - * COMCAST
303 FAIRLAWN DRIVE
URBANA, ILLINOIS 61801
(217) 383-8031
 - * UNIVERSITY OF ILLINOIS
FACILITIES AND SERVICES
1501 SOUTH OAK STREET
CHAMPAIGN, ILLINOIS 61820
(217) 333-0340
 - * UNIVERSITY OF ILLINOIS
CAMPUS INFORMATION TECHNOLOGIES
AND EDUCATIONAL SERVICES
DIGITAL COMPUTER LABORATORY
1304 WEST SPRINGFIELD AVENUE
URBANA, ILLINOIS 61801
(217) 333-1637
 - * ILLINOIS AMERICAN WATER
201 DEVONSHIRE DRIVE
CHAMPAIGN, ILLINOIS 61820
(217) 373-3258
 - * CITY OF URBANA PUBLIC WORKS
706 SOUTH GLOVER AVENUE
URBANA, ILLINOIS 61802
(217) 384-2385
 - * URBANA & CHAMPAIGN SANITARY DISTRICT
1100 EAST UNIVERSITY AVENUE
URBANA, ILLINOIS 61803
(217) 367-3409

- ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE REMOVED AND DISPOSED OF 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 INCLUDED IN THE COST OF THE VARIOUS REMOVAL PAY ITEMS, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- 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 THE VARIOUS STORM DRAINAGE WORK SHOULD REFLECT THE SALVAGE VALUE OF THE ITEMS.
- 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 PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE VARIOUS DRAINAGE STRUCTURE PAY ITEMS, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- STORM SEWER, WATER MAIN QUALITY SHALL 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, 40-2.02, AND 40-2.05 OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS. PVC PIPE WILL NOT BE ALLOWED.
- THE TOP-OF-FRAME ELEVATIONS REFERRED TO IN THE DRAINAGE STRUCTURE CALL-OUTS FOR A TYPE I FRAME AND LID ARE TAKEN ADJACENT TO THE PAVEMENT OR GROUND SURFACE.
- THE TOP-OF-FRAME ELEVATIONS REFERRED TO IN THE DRAINAGE STRUCTURE CALL-OUTS FOR A TYPE II 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 II FRAMES AND GRATES SHALL BE PROVIDED WITH OPEN FACE CURB BOXES AS DESCRIBED IN THE SPECIAL PROVISIONS. SEE THE "TYPE II FRAME AND GRATE DETAIL" FOR ADDITIONAL INFORMATION.
- 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 PLANS. WHERE SUCH DISCREPANCY IS FOUND, WORK SHALL NOT PROCEED UNTIL DIRECTED ACCORDINGLY BY THE ENGINEER.
- 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 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 INCLUDED IN THE COST OF THE NEW SEWER, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- 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. EXISTING PIPES SHALL BE PLUGGED AT THE LOCATIONS SHOWN ON THE PLANS IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND AS DIRECTED BY THE ENGINEER.
- 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 INCLUDED IN THE COST OF THE PROPOSED PAVEMENT, CURB AND GUTTER, OR SIDEWALK, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- WHERE THE PROPOSED COMBINATION CONCRETE CURB AND GUTTER JOINS THE EXISTING CURB AND GUTTER, A TRANSITION BETWEEN THE TWO CONFIGURATIONS MAY BE REQUIRED. THIS WORK SHALL BE INCLUDED IN THE COST OF THE PROPOSED CURB AND GUTTER, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO WEIGHTED SAND BAGS ON EACH TYPE II BARRICADE USED (ONE WEIGHTED SAND BAG ACROSS EACH BOTTOM RAIL).
- FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.
- 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.
- THE CITY OF URBANA WILL BE RESPONSIBLE FOR NOTIFYING THE PUBLIC, THE UNITED STATES POSTAL SERVICE, THE CHAMPAIGN-URBANA MASS TRANSIT DISTRICT, THE EMERGENCY SERVICE AGENCIES, AND THE UNIVERSITY OF ILLINOIS 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.
- 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 PERFORMED AS DIRECTED BY THE ENGINEER, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- PARKING METER REMOVAL WILL BE PERFORMED BY THE CITY OF URBANA. THE CONTRACTOR SHALL CONTACT THE CITY OF URBANA FOR REMOVAL OF THE PARKING METERS. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF 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 FURNISH AND INSTALL THE NEW PARKING METERS.
- ALL OPEN TRENCHES OR EXCAVATIONS SHALL BE PROTECTED BY THE CONTRACTOR USING A METHOD APPROVED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE VARIOUS REMOVAL PAY ITEMS, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS TO ALL BUILDINGS WITHIN THE PROJECT LIMITS AT ALL TIMES DURING CONSTRUCTION.
- THE HORIZONTAL COORDINATE SYSTEM IS BASED ON A GPS CALIBRATION OF CITY OF URBANA HORIZONTAL CONTROL POINTS.
- IN SOME AREAS, WORK IS TO BE PERFORMED OUTSIDE OF THE RIGHT-OF-WAY BUT 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.

EROSION CONTROL GENERAL NOTES

- THE TEMPORARY EROSION CONTROL SYSTEMS SHALL BE INSTALLED AND MAINTAINED BY THE CONTRACTOR AT THE LOCATIONS SHOWN ON THE ROADWAY PLANS AND AS DIRECTED BY THE ENGINEER. INLET FILTERS SHALL BE PLACED AT ALL DRAINAGE STRUCTURES WITH OPEN LIDS OR GRATES THAT ARE WITHIN PAVED AREAS. THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH STANDARD 280001 AND SECTION 280 OF THE STANDARD SPECIFICATIONS.
- ADDITIONAL TEMPORARY EROSION CONTROL SYSTEMS MAY BE REQUIRED DURING CONSTRUCTION. THE SYSTEMS SHALL BE PLACED AS DIRECTED BY THE ENGINEER AND WILL BE PAID FOR IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS.
- SEEDING AND SODDING OF DISTURBED EARTH AREAS SHALL BE DONE AS SOON AS POSSIBLE AFTER COMPLETION OF EACH STAGE OF THE PROJECT TO EXPEDITE THE ESTABLISHMENT OF VEGETATION. THE FINAL GRADING AND SHAPING MUST BE APPROVED BY THE ENGINEER BEFORE SEEDING OR SODDING IS PERFORMED.
- REFER TO THE ROADWAY PLANS FOR ADDITIONAL INFORMATION.

EROSION CONTROL SYSTEMS INSTALLATION SEQUENCE

- INSTALL INLET FILTERS AT EXISTING DRAINAGE STRUCTURES PRIOR TO THE START OF WORK OR AS DIRECTED BY THE ENGINEER.
- INSTALL INLET FILTERS AT PROPOSED DRAINAGE STRUCTURES AS SOON AS THE STRUCTURES HAVE BEEN CONSTRUCTED.
- MAINTAIN ALL EROSION CONTROL SYSTEMS UNTIL SUCH TIME THAT THEY CAN BE REMOVED AS DIRECTED BY THE ENGINEER.
- PLACE SEED OR SOD AS SOON AS THE FINAL GRADING AND SHAPING ARE COMPLETE AND APPROVED BY THE ENGINEER.
- REMOVE AND CLEANUP ALL REMAINING EROSION CONTROL SYSTEMS AS DIRECTED BY THE ENGINEER.

FILE NAME =
p:\U0070070_Urbana - Goodwin Green TCSP\Plans\Sheets\02 general notes.dgn
PLOT DATE =
4/22/2013 8:57:30 PM

DESIGNED - J.A.J.	REVISED -
DRAWN - D.L.M.	REVISED -
CHECKED - S.M.W.	REVISED -
DATE - 04/2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

SCALE : NONE SHEET NO. 2 OF 31 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	12-00518-00-TL	CHAMPAIGN	31	2
GOODWIN AVENUE		CONTRACT NO. 91483		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

ILLINOIS HIGHWAY STANDARD DRAWINGS

STANDARD NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420001-07	PAVEMENT JOINTS
424001-07	CURB RAMPS FOR SIDEWALKS
424011-01	CORNER PARALLEL CURB RAMPS
442101-07	CLASS B PATCHES
602301-03	INLET, TYPE A
602306-03	INLET, TYPE B
602401-03	MANHOLE TYPE A
602601-02	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604051-03	FRAME AND GRATE, TYPE 11
606001-05	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB & GUTTER
668001-01	METHOD OF RESETTING - USGS & NGS - BENCHMARKS
701006-04	OFF-ROAD OPERATIONS, 2L-2W, 15' TO 24" FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701601-08	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSIBLE MEDIAN
701701-08	URBAN LANE CLOSURE, MULTILANE, INTERSECTION
701801-05	LANE CLOSURE, MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
701901-02	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-03	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
729001-01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)
780001-03	TYPICAL PAVEMENT MARKINGS
805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS
814001-02	HANDHOLES
814006-02	DOUBLE HANDHOLES
830006-01	LIGHT POLE ALUMINUM DAVIT ARM
836001-02	LIGHT POLE FOUNDATION
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCE
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
873001-02	TRAFFIC SIGNAL GROUNDING AND BONDING
876001-02	PEDESTRIAN PUSH BUTTON POST
877011-05	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
878001-09	CONCRETE FOUNDATION DETAILS
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTOR LOOPS

LEGEND

EXISTING	PROPOSED	EXISTING	PROPOSED
W	WATER LINE	△	MONUMENT
IRRW	IRRIGATION WATER LINE	•	IRON PIN/PIPE FOUND
G	GAS LINE	⊠	RIGHT-OF-WAY MARKER
OHE	OVERHEAD ELECTRIC	⊕	SOIL BORING
UGE	UNDERGROUND ELECTRIC	⊙	PAVEMENT CORE
RWL	ROADWAY LIGHTING	⊠	TRAFFIC SIGNAL CONTROL BOX
OHT	OVERHEAD TELEPHONE	⊠	TRAFFIC SIGNAL POST
UGT	UNDERGROUND TELEPHONE	⊠	TRAFFIC SIGNAL MAST ARM
UGT(FO)	UNDERGROUND TELEPHONE (FIBER OPTIC)	⊠	PEDESTRIAN PUSH BUTTON POST
CATV	CABLE TELEVISION	⊠	TRAFFIC SIGNAL HANDHOLE
COM	COMMUNICATION LINE	⊠	TRAFFIC SIGNAL JUNCTION BOX
FO	FIBER OPTIC LINE	⊠	RR CROSSING GATE
STM	STEAM LINE	⊠	RR FLASHING SIGNAL
FM	FORCE MAIN	⊠	RR CROSSBUCK
SS	SANITARY SEWER	⊠	STREET SIGN
SSW	STORM SEWER	⊠	TRAFFIC SIGN
SSWQ	STORM SEWER WATER MAIN QUALITY	⊠	DELINEATOR
ICB	INLET OR CATCH BASIN	⊠	PARKING LOT LIGHT
M	MANHOLE	⊠	YARD LIGHT
UWS	UTILITY WARNING SIGN	⊠	MAILBOX
SBS	SERVICE BOX SHUTOFF	⊠	PARKING METER
V	VALVE	⊠	IRRIGATION CONTROL BOX
WM	WATER MANHOLE	⊠	IRRIGATION HEAD
WM	WATER METER	⊠	TANK FILLER CAP
FH	FIRE HYDRANT	⊠	INSPECTION WELL
GM	GAS METER	⊠	CLEANOUT
GR	GAS REGULATOR	⊠	DOWNSPOUT
GVP	GAS VENT PIPE	⊠	BOLLARD
EM	ELECTRIC MANHOLE	⊠	FENCE POST
EM	ELECTRIC METER	⊠	GATE POST
EP	ELECTRIC PEDESTAL	⊠	FLAG POLE
EJB	ELECTRIC JUNCTION BOX	⊠	FLOOD LIGHT
PP	POWER POLE	⊠	TREE STUMP
PP/L	POWER POLE W/LIGHT	⊠	BUSH
PP/T	POWER POLE W/TRANSFORMER	⊠	CONIFEROUS TREE
RLC	ROADWAY LIGHTING CONTROLLER	⊠	DECIDUOUS TREE
RSL	ROADWAY STREET LIGHT	⊠	PROPERTY PARCEL NUMBER
OSL	ORNAMENTAL STREET LIGHT	⊠	HOUSE ADDRESS NUMBER
GP	GUY POLE	⊠	
GW	GUY WIRE	⊠	
TP	TELEPHONE POLE	⊠	
TM	TELEPHONE MANHOLE	⊠	
TP	TELEPHONE PEDESTAL	⊠	
PP	PEDESTAL PAY PHONE	⊠	
PB	PHONE BOOTH	⊠	

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DESIGNED - J.A.J.	REVISED -
DRAWN - K.L.R.	REVISED -
CHECKED - S.M.W.	REVISED -
DATE - 04/2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HIGHWAY STANDARDS AND LEGEND

SCALE : NONE SHEET NO. 3 OF 31 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	12-00518-00-TL	CHAMPAIGN	31	3
GOODWIN AVENUE		CONTRACT NO. 91483		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

SUMMARY OF QUANTITIES		CONSTRUCTION CODE		0004	0021	0021
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	80% TCSP 20% LOCAL ROADWAY	80% TCSP 20% LOCAL LIGHTING	80% TCSP 20% LOCAL SIGNALS
* 20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	10	10		
* 20600110	GRANULAR EMBANKMENT, SPECIAL	TON	20	20		
* 21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	30	30		
* 25200100	SODDING	SQ YD	80	80		
* 25200200	SUPPLEMENTAL WATERING	UNIT	5	5		
28000510	INLET FILTERS	EACH	12	12		
* 31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	158	158		
* 35101400	AGGREGATE BASE COURSE, TYPE B	TON	102	102		
* 35300300	PORTLAND CEMENT CONCRETE BASE COURSE 8"	SQ YD	103	103		
* 40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	25	25		
* 40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	846	846		
* 40600300	AGGREGATE (PRIME COAT)	TON	17	17		
* 40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	1	1		
* 40600839	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N70	TON	85	85		
* 40600990	TEMPORARY RAMP	SQ YD	274	274		
* 40603237	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.OFG, N70	TON	502	502		
* 40603540	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	415	415		
* 42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	2800	2800		
* 42400800	DETECTABLE WARNINGS	SQ FT	147	147		
* 44000100	PAVEMENT REMOVAL	SQ YD	190	190		
* 44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	402	402		
* 44000164	HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	SQ YD	3826	3826		
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	178	178		
44000600	SIDEWALK REMOVAL	SQ FT	2115	2115		
* 44200990	CLASS B PATCHES, TYPE I, 12 INCH	SQ YD	25	25		
* 44200994	CLASS B PATCHES, TYPE II, 12 INCH	SQ YD	100	100		
* 44200998	CLASS B PATCHES, TYPE III, 12 INCH	SQ YD	25	25		
* 44201000	CLASS B PATCHES, TYPE IV, 12 INCH	SQ YD	25	25		
* 54248510	CONCRETE COLLAR	CU YD	2	2		
* 550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	16	16		
* 550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	5	5		
* 55100500	STORM SEWER REMOVAL 12"	FOOT	3	3		
* 55100700	STORM SEWER REMOVAL 15"	FOOT	7	7		
* 59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	6	6		
* 60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	2	2		
* 60255500	MANHOLES TO BE ADJUSTED	EACH	1	1		

* SEE SPECIAL PROVISIONS
 Δ SPECIALTY ITEMS

SUMMARY OF QUANTITIES		CONSTRUCTION CODE		0004	0021	0021
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	80% TCSP 20% LOCAL ROADWAY	80% TCSP 20% LOCAL LIGHTING	80% TCSP 20% LOCAL SIGNALS
* 60266600	VALVE BOXES TO BE ADJUSTED	EACH	2	2		
* 60500060	REMOVING INLETS	EACH	2	2		
67100100	MOBILIZATION	L SUM	1	1		
70300570	PAVEMENT MARKING TAPE, TYPE III 24"	FOOT	128	128		
* 70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	256	256		
* 72000100	SIGN PANEL - TYPE 1	SQ FT	43	43		
* 72000200	SIGN PANEL - TYPE 2	SQ FT	50	50		
Δ 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	125	125		
Δ 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	723	723		
Δ 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	121	121		
Δ 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	997	997		
Δ 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	128	128		
Δ * 78008200	POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS	SQ FT	2	2		
Δ * 81028320	UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	80			80
Δ * 81028330	UNDERGROUND CONDUIT, PVC, 1 1/4" DIA.	FOOT	2			2
Δ * 81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	111			111
Δ * 81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	312		106	206
Δ * 81028360	UNDERGROUND CONDUIT, PVC, 2 1/2" DIA.	FOOT	95			95
Δ * 81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	220			220
Δ * 81028390	UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	87			87
Δ * 81028740	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/2" DIA.	FOOT	350			350
Δ * 81028750	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	1432		1432	
Δ 81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	3			3
Δ 81400720	DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1			1
Δ * 81500100	GULFBOX JUNCTION	EACH	7		7	
Δ * 81500120	GULFBOX JUNCTION, COMPOSITE CONCRETE	EACH	7			7
Δ * 81702101	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 14	FOOT	320		320	
Δ * 81702120	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	5050		5050	
Δ * 83000400	LIGHT POLE, ALUMINUM, 30 FT. M.H., 10 FT. DAVIT ARM	EACH	5		5	
Δ * 84200600	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	4		4	
Δ * 84200804	REMOVAL OF POLE FOUNDATION	EACH	4		4	
Δ * 85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1			1
Δ * 86200200	UNINTERRUPTABLE POWER SUPPLY, STANDARD	EACH	1			1
Δ * 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1750			1750
Δ * 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	150			150
Δ * 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	990			990

* SEE SPECIAL PROVISIONS
 Δ SPECIALTY ITEMS

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 DRAWN - J.A.J. REVISED -
 CHECKED - S.M.W. REVISED -
 DATE - 04/2013 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE : NONE SHEET NO. 4 OF 31 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	12-00518-00-TL	CHAMPAIGN	31	4
GOODWIN AVENUE		CONTRACT NO. 91483		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

SUMMARY OF QUANTITIES		CONSTRUCTION CODE		0004	0021	0021
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	80% TCSP 20% LOCAL ROADWAY	80% TCSP 20% LOCAL LIGHTING	80% TCSP 20% LOCAL SIGNALS
Δ *	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2150		2150
Δ *	87301515	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 3 PAIR	FOOT	1660		1660
Δ *	87301795	ELECTRIC CABLE IN CONDUIT, SERVICE NO. 3 1C	FOOT	785		785
Δ *	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	660		660
Δ *	87500600	TRAFFIC SIGNAL POST, 10 FT.	EACH	3		3
Δ *	87501200	TRAFFIC SIGNAL POST, 16 FT.	EACH	2		2
Δ *	87600100	PEDESTRIAN PUSH-BUTTON POST, TYPE I	EACH	4		4
Δ *	87702960	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT.	EACH	4		4
Δ *	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	15		15
Δ *	87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4		4
Δ *	87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	60		60
Δ *	88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2		2
Δ *	88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	6		6
Δ *	88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2		2
Δ *	88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	4		4
Δ *	88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	2		2
Δ *	88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8		8
Δ *	88200100	TRAFFIC SIGNAL BACKPLATE	EACH	10		10
Δ *	88600100	DETECTOR LOOP, TYPE I	FOOT	705		705
Δ *	88700200	LIGHT DETECTOR	EACH	2		2
Δ *	88700300	LIGHT DETECTOR AMPLIFIER	EACH	1		1
Δ *	89502380	REMOVE EXISTING HANDHOLE	EACH	6		6
Δ *	89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	10		10
*	K1003680	MULCH	SQ YD	340	340	
Δ *	X0322748	BICYCLE LANE MARKING	EACH	5	5	
*	X6020084	MANHOLES, SPECIAL	EACH	1	1	
*	X6024240	INLETS, SPECIAL	EACH	1	1	
*	X6025600	MANHOLES TO BE ADJUSTED (SPECIAL)	EACH	15	15	
*	X6026624	VALVE BOXES TO BE ADJUSTED (SPECIAL)	EACH	7	7	
*	X6064200	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)	FOOT	195	195	
Δ *	X6300230	STEEL POSTS	EACH	1	1	
*	X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1	1	
Δ *	X8050095	SERVICE INSTALLATION (SPECIAL)	EACH	1		1
Δ *	X8130110	JUNCTION BOX (SPECIAL)	EACH	4	4	
Δ *	X8130125	REMOVE EXISTING JUNCTION BOX	EACH	3	1	2
Δ *	X8130130	JUNCTION BOX TO BE ADJUSTED	EACH	1	1	

* SEE SPECIAL PROVISIONS
Δ SPECIALTY ITEMS

SUMMARY OF QUANTITIES		CONSTRUCTION CODE		0004	0021	0021
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	80% TCSP 20% LOCAL ROADWAY	80% TCSP 20% LOCAL LIGHTING	80% TCSP 20% LOCAL SIGNALS
Δ *	X8300001	LIGHT POLE, SPECIAL	EACH	1		1
Δ *	X8360120	LIGHT POLE FOUNDATION, SPECIAL	EACH	6		6
Δ *	X8730250	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	490		490
Δ *	X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8		8
Δ *	X8760250	VIBROTACTILE FEATURE	EACH	8		8
Δ *	X8850106	INDUCTIVE LOOP DETECTOR, RACK MOUNTED	EACH	10		10
Δ *	XX005703	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT, SPECIAL	L SUM	1		1
*	XX006343	SEEDING (COMPLETE)	SQ YD	340	340	
Δ *	XX007797	LUMINAIRE (SPECIAL)	EACH	1		1
Δ *	XX008068	LUMINAIRE INSTALLATION, TYPE 1	EACH	5		5
Δ *	XX008069	LUMINAIRE INSTALLATION, TYPE 2	EACH	4		4
Δ *	XX008608	CABLE, SPECIAL	FOOT	1250		1250
*	XZ127900	RETAINING WALL REMOVAL	FOOT	10	10	
*	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
*	Z0036700	PARKING METER POSTS TO BE REMOVED	EACH	1	1	
*	Z0038700	PERMANENT BENCH MARKS	EACH	1	1	
*	Z0042300	PORTLAND CEMENT CONCRETE SIDEWALK CURB	FOOT	10	10	
*	Z0056648	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 12"	FOOT	3	3	

* SEE SPECIAL PROVISIONS
Δ SPECIALTY ITEMS

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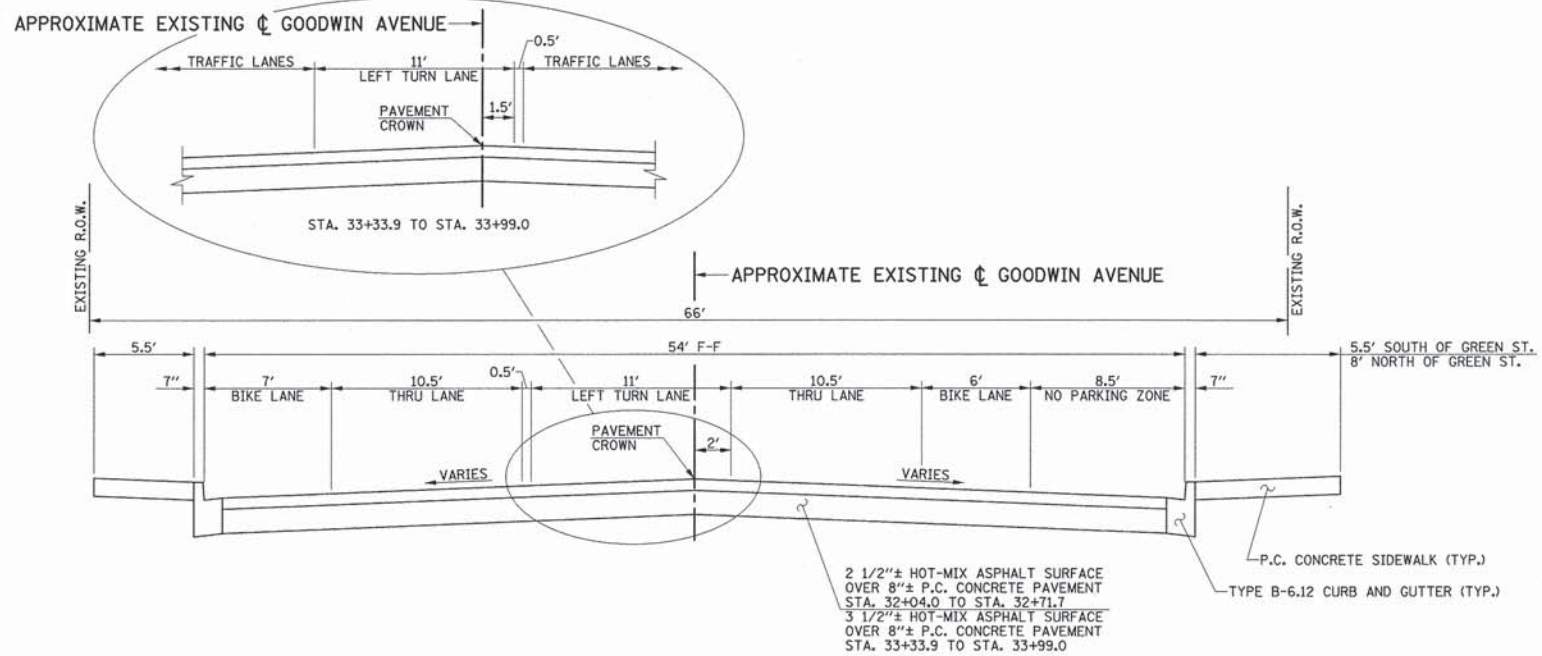
DESIGNED - J.A.J. REVISIONS -
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DATE - 04/2013 REVISIONS -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE : NONE SHEET NO. 5 OF 31 SHEETS STA. TO STA.

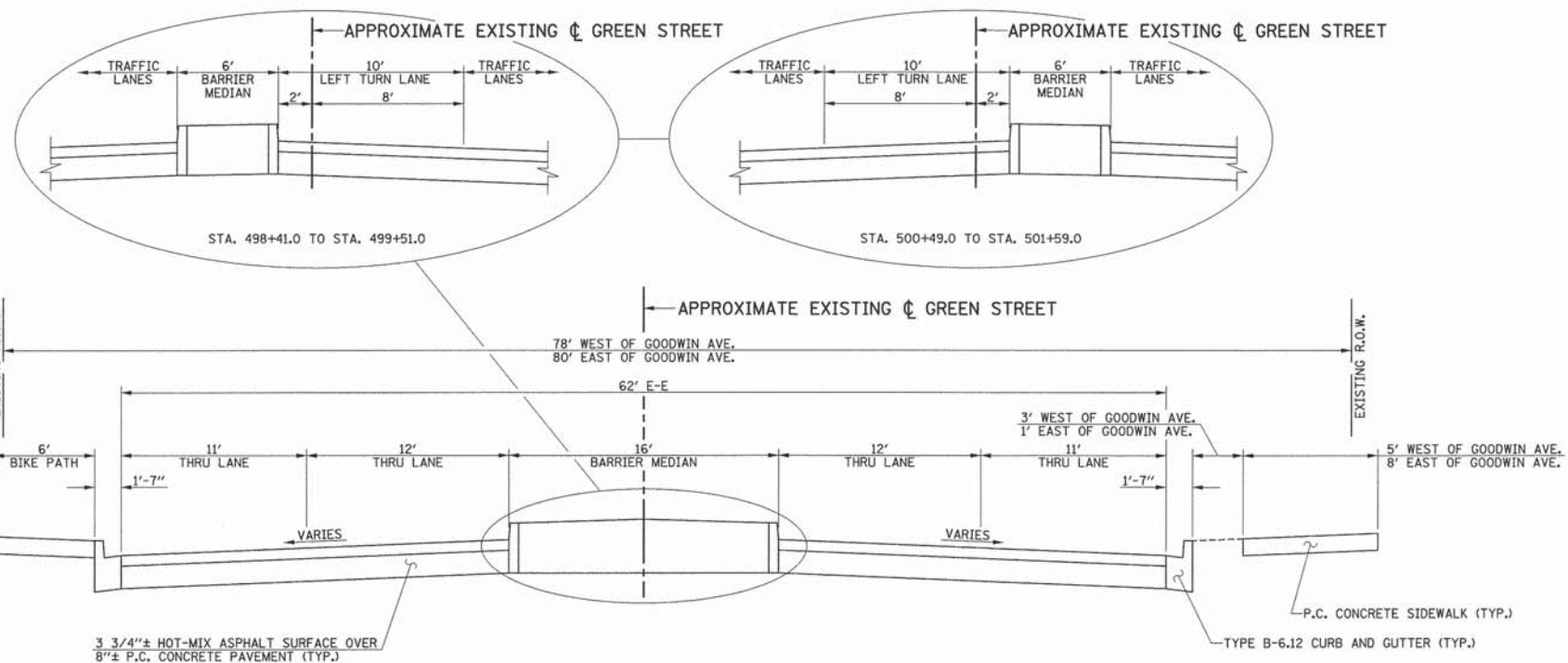
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	12-00518-00-TL	CHAMPAIGN	31	5
GOODWIN AVENUE		CONTRACT NO. 91483		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



**EXISTING TYPICAL CROSS SECTION
GOODWIN AVENUE**
STA. 32+04.0 TO STA. 32+71.7
STA. 33+33.9 TO STA. 33+99.0

2 1/2"± HOT-MIX ASPHALT SURFACE
OVER 8"± P.C. CONCRETE PAVEMENT
STA. 32+04.0 TO STA. 32+71.7
3 1/2"± HOT-MIX ASPHALT SURFACE
OVER 8"± P.C. CONCRETE PAVEMENT
STA. 33+33.9 TO STA. 33+99.0

P.C. CONCRETE SIDEWALK (TYP.)
TYPE B-6.12 CURB AND GUTTER (TYP.)



**EXISTING TYPICAL CROSS SECTION
GREEN STREET**
STA. 497+41.0 TO STA. 503+09.0

3 3/4"± HOT-MIX ASPHALT SURFACE OVER
8"± P.C. CONCRETE PAVEMENT (TYP.)

P.C. CONCRETE SIDEWALK (TYP.)
TYPE B-6.12 CURB AND GUTTER (TYP.)

NOTE
THE EXISTING PAVEMENT TYPES AND THICKNESSES WERE TAKEN FROM EXISTING PLANS AND FROM PAVEMENT CORES AND REPRESENT THE BEST AVAILABLE INFORMATION. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PAVEMENT REMOVAL ITEMS DUE TO VARIATIONS IN PAVEMENT TYPES, THICKNESSES, OR AMOUNT OF REINFORCEMENT. THE ADJUSTMENT OF QUANTITIES AS SPECIFIED IN ARTICLE 440.07 OF THE STANDARD SPECIFICATIONS SHALL NOT APPLY.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

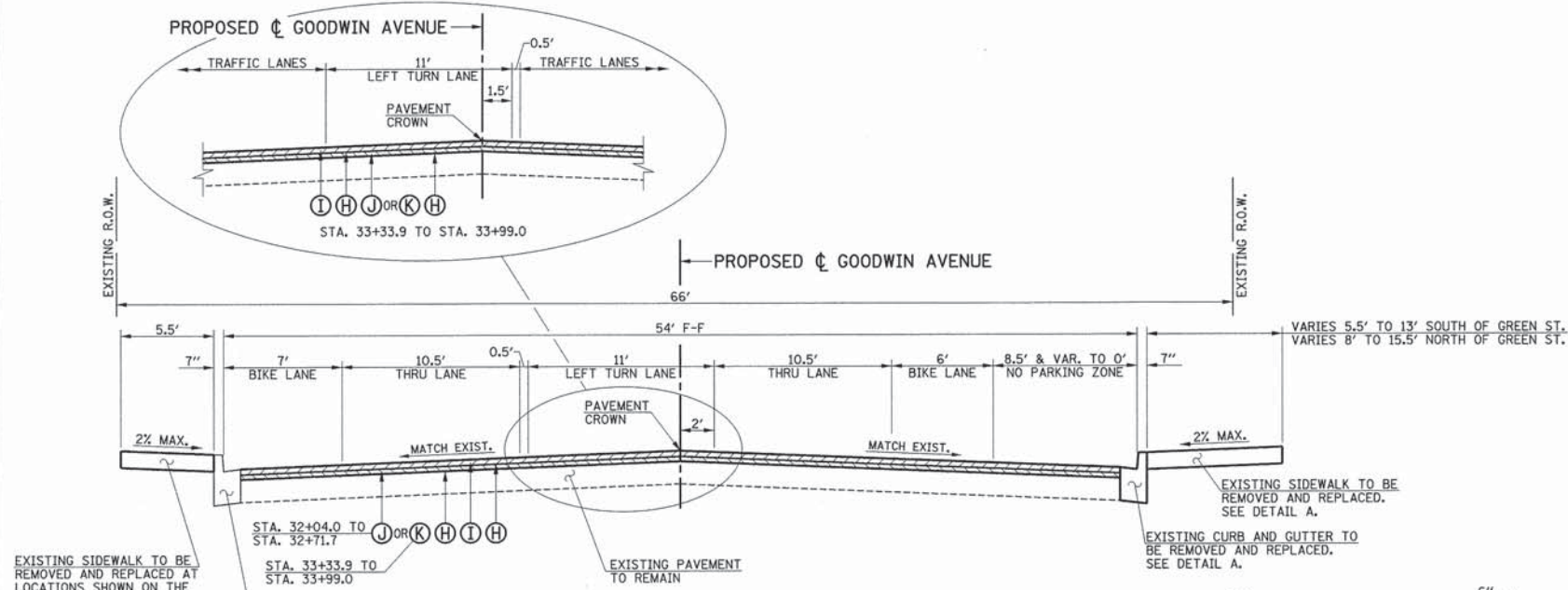
EXISTING TYPICAL SECTIONS

SCALE : NONE SHEET NO. 6 OF 31 SHEETS STA. 497+41.0 TO STA. 503+09.00

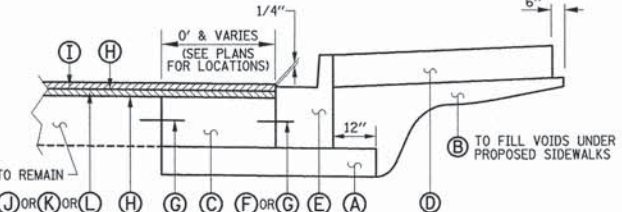
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	12-00518-00-TL	CHAMPAIGN	31	6
GOODWIN AVENUE		CONTRACT NO. 91483		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PROPOSED TYPICAL SECTION NOTES

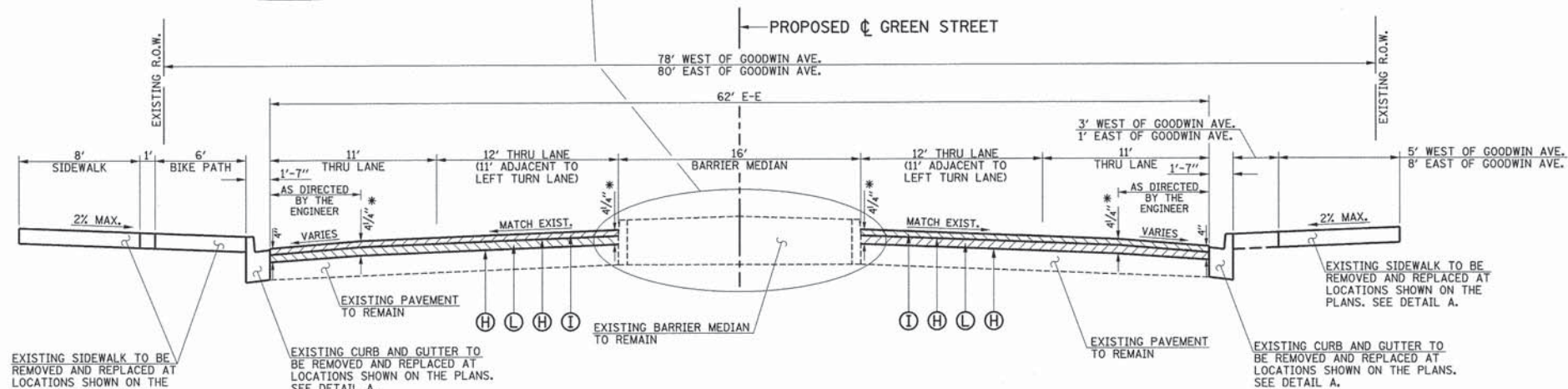
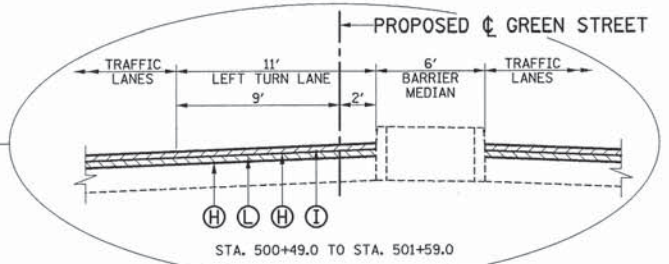
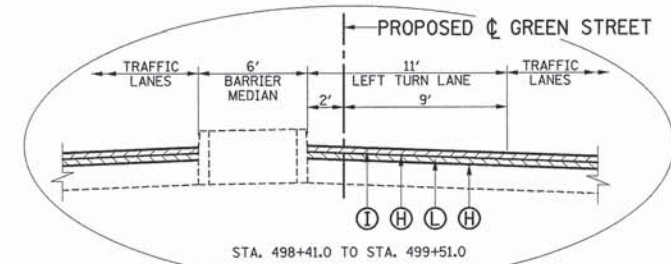
- SEE THE ROADWAY PLANS, INTERSECTION DETAILS, AND HORIZONTAL ALIGNMENT LAYOUT AND CONTROL SHEETS FOR LOCATIONS OF EDGES OF PAVEMENTS, CURBS AND GUTTERS, SIDEWALKS, RIGHT-OF-WAY LINES, AND EASEMENTS.
- THE EXISTING PAVEMENT TYPE AND THICKNESS SHOWN REPRESENTS THE BEST INFORMATION AVAILABLE. NO ADDITIONAL 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.
- EARTH EXCAVATION WILL NOT BE MEASURED FOR PAYMENT BUT SHALL BE INCLUDED IN THE COST OF THE SPECIFIC CONSTRUCTION PAY ITEM REQUIRING THE EXCAVATION, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE FINISHED EARTHWORK SHALL HAVE VEGETATIVE SUSTAINING SOIL COVERING THE TOP 6" OF AREAS TO BE SEEDED OR SODDED. THE FURNISHED TOPSOIL SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS OR BE APPROVED BY THE ENGINEER. THE VEGETATIVE SUSTAINING SOIL REQUIRED WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF SEEDING (COMPLETE) OR SODDING, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ALL EXPOSED EARTH AREAS SHALL BE SEEDED OR SODDED IN ACCORDANCE WITH SECTIONS 250 AND 252 OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS. SUPPLEMENTAL WATERING SHALL BE PERFORMED AS DESCRIBED IN THE SPECIAL PROVISIONS.
- 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 ONE-FOOT STUB SHALL BE CONSTRUCTED PERPENDICULAR TO THE SAWED EDGE OF THE EXISTING PAVEMENT AT THE STUB LOCATIONS. THE COST OF THE ADDITIONAL GUTTER FLAG WIDTH AT THE STUB LOCATIONS 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 WITH STANDARD 606001.
- THE PORTLAND CEMENT CONCRETE BASE COURSE SHALL BE CONSTRUCTED TO A FINAL THICKNESS OF 8" OR TO THE FULL DEPTH OF THE ADJACENT PAVEMENT, WHICHEVER IS GREATER. THE COST OF THE ADDITIONAL BASE COURSE THICKNESS SHALL BE INCLUDED IN THE COST OF THE PORTLAND CEMENT CONCRETE BASE COURSE 8", AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- 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 ACCOMMODATE THE ENTIRE THICKNESS OF THE PROPOSED BASE COURSE AND THE PROPOSED OVERLAY. 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), AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE COMBINATION CONCRETE CURB AND GUTTER SHALL BE CONSTRUCTED WITH A CURB HEIGHT OF 4 INCHES AT THE LOCATIONS SHOWN ON THE PLANS. CURB HEIGHT TRANSITIONS SHALL ALSO BE REQUIRED. CURB HEIGHTS MAY BE ADJUSTED BY THE ENGINEER TO MEET EXISTING FIELD CONDITIONS. THE COST OF CONSTRUCTING THE COMBINATION CONCRETE CURB AND GUTTER WITH VARYING CURB HEIGHTS SHALL BE INCLUDED IN THE COST OF THE COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL), AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE COMBINATION CONCRETE CURB AND GUTTER SHALL BE CONSTRUCTED WITH VARYING GUTTER FLAG SLOPES AT THE LOCATIONS SHOWN ON THE PLANS OR AS REQUIRED TO MATCH THE EXISTING GUTTER FLAG SLOPES. 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, TYPE B-6.12 (SPECIAL), AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- SAWED TRANSVERSE JOINTS SHALL BE PLACED AT 15 FOOT CENTERS (MAXIMUM) 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 ARTICLES 606.07, 420.05, AND 420.12 OF THE STANDARD SPECIFICATIONS, EXCEPT THAT SAWING OF THE JOINTS SHALL COMMENCE WITHIN 4 TO 12 HOURS AFTER THE CONCRETE IS PLACED.
- 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.
- 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 MINIMUM DEPTH OF 12 INCHES AS DIRECTED BY THE ENGINEER. ALL UNSTABLE, UNSUITABLE, OR ORGANIC MATERIAL SHALL BE DISPOSED OF OFF THE SITE IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS OR AS OTHERWISE 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.
- ALL REINFORCEMENT BARS SHALL BE EPOXY COATED UNLESS OTHERWISE SHOWN ON THE PLANS OR DIRECTED BY THE ENGINEER.



**PROPOSED TYPICAL CROSS SECTION
GOODWIN AVENUE**
STA. 32+04.0 TO STA. 32+71.7
STA. 33+33.9 TO STA. 33+99.0



DETAIL A



**PROPOSED TYPICAL CROSS SECTION
GREEN STREET**
STA. 497+41.0 TO STA. 503+09.0

* TRANSITION FROM 4" AT STA. 497+41 TO 4 1/4" AT STA. 497+71
TRANSITION FROM 4 1/4" AT STA. 502+89 TO 4" AT STA. 503+09
(SEE THE "HOT-MIX ASPHALT RUN DOWN DETAIL" ON THE MISCELLANEOUS DETAIL SHEETS FOR ADDITIONAL INFORMATION)

HOT-MIX ASPHALT MIXTURE REQUIREMENTS TABLE

MIXTURE USE:	POLYMERIZED SURFACE	POLYMERIZED F.G. LEVELING BINDER	POLYMERIZED F.G. BINDER
AC/PG	SBS PG 70-22	SBS PG 70-22	SBS PG 70-22
RAP % (MAX)	10	10	10
DESIGN AIR VOIDS	4.0% @ NDES = 70	4.0% @ NDES = 70	4.0% @ NDES = 70
MIXTURE COMPOSITION (GRADATION)	IL-9.5	IL-9.5FG	IL-19.0FG
FRICITION AGGREGATE	MIXTURE D	N/A	N/A

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.

NOTE 2: POLYMERIZED LEVELING BINDER SHALL BE PLACED AS A SCRATCH LAYER BELOW THE POLYMERIZED BINDER COURSE ON GREEN STREET TO CORRECT IRREGULARITIES IN THE MILLED SURFACE AS DIRECTED BY THE ENGINEER.

PROPOSED TYPICAL SECTION KEY

- (A) SUBBASE GRANULAR MATERIAL, TYPE B 4"
 - (B) AGGREGATE BASE COURSE, TYPE B (THICKNESS VARIES - SEE SPECIAL PROVISIONS)
 - (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)
 - (H) BITUMINOUS MATERIALS (PRIME COAT) - 0.05 TO 0.10 GAL/SQ YD
AGGREGATE (PRIME COAT) - 2 TO 4 LB/SQ YD (USED AS DIRECTED BY THE ENGINEER)
 - (I) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (1 3/4")**
 - (J) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N70 (3/4")**
 - (K) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N70 (2")**
 - (L) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0FG, N70 (VARIES 2 1/4" TO 2 1/2")**
(NOTE: THE TYPICAL THICKNESS OF THE BINDER COURSE SHALL BE 2 1/2")
- ** THICKNESSES SHALL BE ADJUSTED AS DIRECTED BY THE ENGINEER

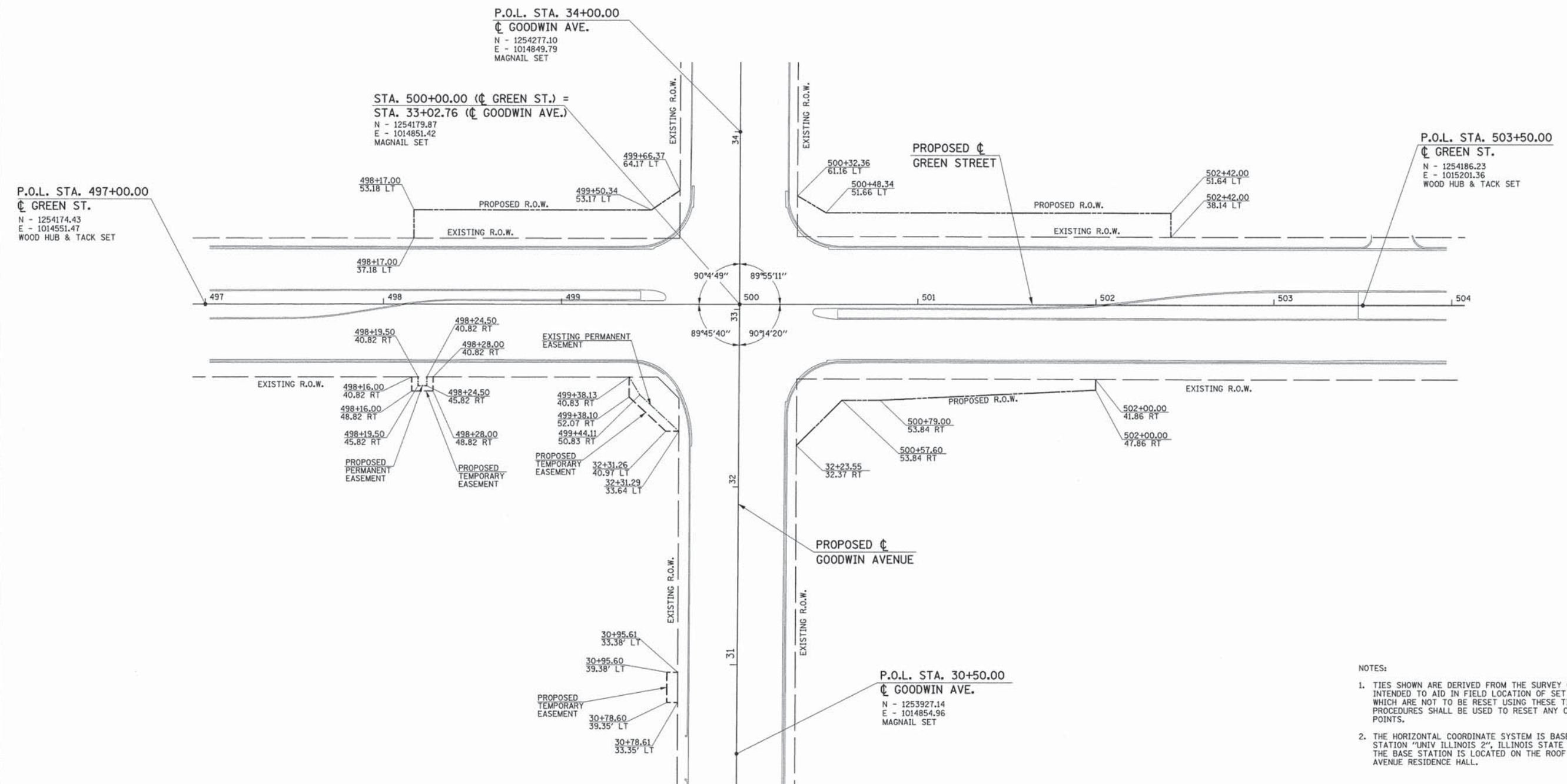
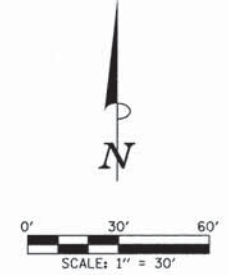
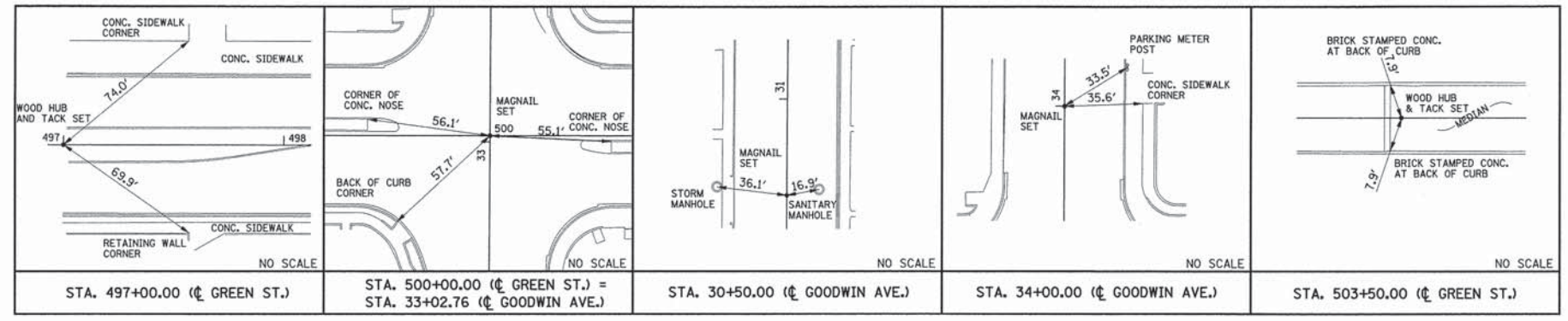
SEE ROADWAY PLANS FOR LOCATIONS OF SEEDING AND SODDING

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DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS			
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS
7175	12-00518-00-TL	CHAMPAIGN	31
GOODWIN AVENUE			CONTRACT NO. 91483
SCALE: NONE		SHEET NO. 7 OF 31 SHEETS	STA. 497+41.00 TO STA. 503+09.00
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT



- NOTES:
1. TIES SHOWN ARE DERIVED FROM THE SURVEY CAD MODEL AND ARE INTENDED TO AID IN FIELD LOCATION OF SET CONTROL POINTS, WHICH ARE NOT TO BE RESET USING THESE TIES. PROPER SURVEY PROCEDURES SHALL BE USED TO RESET ANY CENTERLINE CONTROL POINTS.
 2. THE HORIZONTAL COORDINATE SYSTEM IS BASED ON GPS BASE STATION "UNIV ILLINOIS 2", ILLINOIS STATE PLANE, EAST ZONE. THE BASE STATION IS LOCATED ON THE ROOF OF PENNSYLVANIA AVENUE RESIDENCE HALL.

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

HORIZONTAL ALIGNMENT LAYOUT AND CONTROL

SCALE: 1"=30' SHEET NO. 8 OF 31 SHEETS STA. 497+00.00 TO STA. 503+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	12-00518-00-TL	CHAMPAIGN	31	8
GOODWIN AVENUE			CONTRACT NO. 91483	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

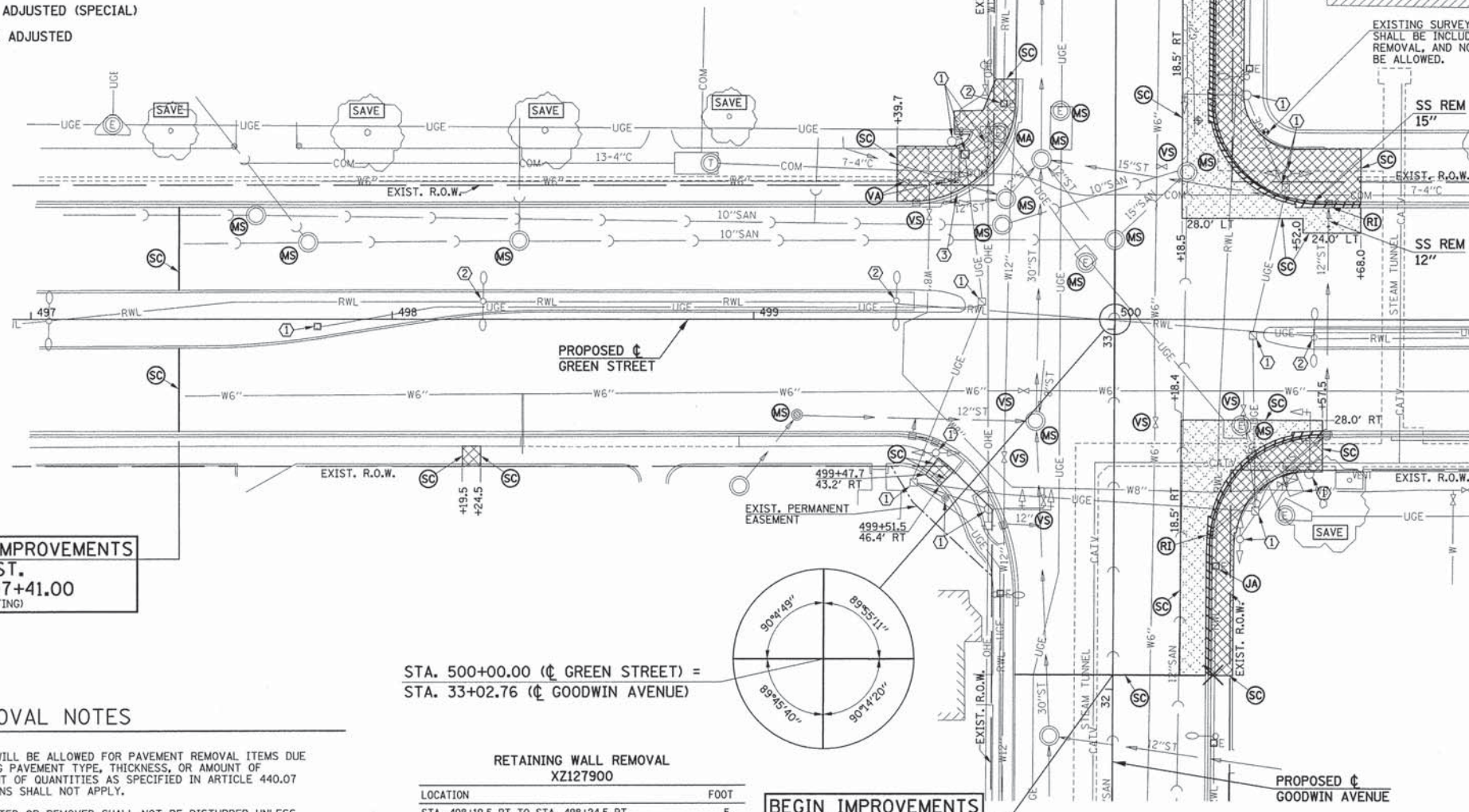
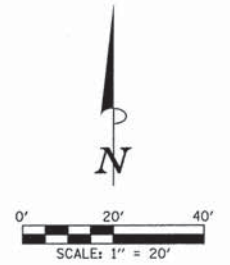
LEGEND

- PAVEMENT REMOVAL
- COMBINATION CURB AND GUTTER REMOVAL
- SIDEWALK REMOVAL
- PARKING METER POSTS TO BE REMOVED
- REMOVING INLETS
- MANHOLES TO BE ADJUSTED
- MANHOLES TO BE ADJUSTED (SPECIAL)
- VALVE BOXES TO BE ADJUSTED
- VALVE BOXES TO BE ADJUSTED (SPECIAL)
- JUNCTION BOX TO BE ADJUSTED
- SAW CUT

KEY NOTES

- ① SEE TRAFFIC SIGNAL PLANS FOR TRAFFIC SIGNAL REMOVAL ITEMS
- ② SEE ROADWAY LIGHTING PLANS FOR ROADWAY LIGHTING REMOVAL ITEMS
- ③ EXISTING CURB AND GUTTER TO REMAIN

END IMPROVEMENTS
GOODWIN AVE.
STA. 33+99.00
 (MATCH EXISTING)



BEGIN IMPROVEMENTS
GREEN ST.
STA. 497+41.00
 (MATCH EXISTING)

REMOVAL NOTES

1. 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.
2. ITEMS NOT SHOWN TO BE ADJUSTED OR REMOVED SHALL NOT BE DISTURBED UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
3. THE CONTRACTOR SHALL MAKE FULL DEPTH SAW CUTS AT ALL PAVEMENT, SIDEWALK, CURB, AND CURB AND GUTTER REMOVAL LIMITS.
4. THE REMOVAL LIMITS MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER.
5. FOR THE 12" THICK CLASS B PATCHES, CONTROLLED LOW-STRENGTH MATERIAL SHALL BE USED TO FILL THE VOIDS TO WITHIN 16" OF THE PAVEMENT SURFACE. 4 INCHES OF SUBBASE GRANULAR MATERIAL, TYPE B SHALL BE PLACED BELOW THE CLASS B PATCHES. THE CONTROLLED LOW-STRENGTH MATERIAL AND THE SUBBASE GRANULAR MATERIAL SHALL BE INCLUDED IN THE COST OF THE CLASS B PATCHES, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING, STORING, AND RESETTING ALL SIGNS AFFECTED BY THE CONSTRUCTION. THIS INCLUDES SIGNS MOUNTED ON EXISTING SIGNAL EQUIPMENT OR AT OTHER LOCATIONS SHOWN IN THE PLANS. EXISTING SIGNS THAT WILL NOT BE RESET SHALL BE RETURNED TO THE CITY OF URBANA. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE VARIOUS REMOVAL PAY ITEMS, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
7. EARTH EXCAVATION WILL NOT BE MEASURED FOR PAYMENT BUT SHALL BE INCLUDED IN THE COST OF THE SPECIFIC CONSTRUCTION PAY ITEM REQUIRING THE EXCAVATION, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

STA. 500+00.00 (¢ GREEN STREET) =
STA. 33+02.76 (¢ GOODWIN AVENUE)

RETAINING WALL REMOVAL
XZ127900

LOCATION	FOOT
STA. 498+19.5 RT TO STA. 498+24.5 RT	5
STA. 499+47.7 RT TO STA. 499+51.5 RT	5
TOTAL	10

PAVEMENT REMOVAL
44000100

LOCATION	SQ YD
NE CORNER GOODWIN AND GREEN	99
SE CORNER GOODWIN AND GREEN	91
TOTAL	190

COMBINATION CURB AND GUTTER REMOVAL
44000500

LOCATION	FOOT
NE CORNER GOODWIN AND GREEN	93
SE CORNER GOODWIN AND GREEN	85
TOTAL	178

BEGIN IMPROVEMENTS
GOODWIN AVE.
STA. 32+04.00
 (MATCH EXISTING)

SIDEWALK REMOVAL
44000600

LOCATION	SQ FT
NW CORNER GOODWIN AND GREEN	548
NE CORNER GOODWIN AND GREEN	861
SE CORNER GOODWIN AND GREEN	533
SW CORNER GOODWIN AND GREEN	31
STA. 498+19.5 RT TO STA. 498+24.5 RT	28
TOTAL	2001

PARKING METER POSTS TO BE REMOVED
Z0036700

LOCATION	EACH
32+04.2, 27.8' RT.	1
TOTAL	1

STORM SEWER REMOVAL 12"
55100500

LOCATION	FOOT
NE CORNER GOODWIN AND GREEN	3
TOTAL	3

STORM SEWER REMOVAL 15"
55100700

LOCATION	FOOT
NE CORNER GOODWIN AND GREEN	7
TOTAL	7

MANHOLES TO BE ADJUSTED
60255500

LOCATION	EACH
499+67.8, 51.7' LT.	1
TOTAL	1

MANHOLES TO BE ADJUSTED (SPECIAL)
X6025600

LOCATION	EACH
497+62.3, 28.8' LT.	1
497+76.7, 21.3' LT.	1
498+35.2, 21.8' LT.	1
499+12.1, 26.6' RT.	1
499+68.8, 26.2' LT.	1
499+69.8, 33.3' LT.	1
499+78.1, 28.2' RT.	1
499+79.6, 44.4' LT.	1
499+84.8, 57.9' LT.	1
499+91.9, 15.7' LT.	1
500+00.0, 22.0' LT.	1
500+20.0, 40.8' LT.	1
500+35.0, 29.5' RT.	1
TOTAL	13

VALVE BOXES TO BE ADJUSTED
60266600

LOCATION	EACH
499+41.5, 38.2' LT.	1
499+54.2, 38.3' LT.	1
TOTAL	2

VALVE BOXES TO BE ADJUSTED (SPECIAL)
X6026624

LOCATION	EACH
499+48.6, 29.0' LT.	1
499+69.4, 38.4' RT.	1
499+74.8, 19.9' RT.	1
499+80.3, 50.4' RT.	1
500+11.3, 28.7' RT.	1
500+12.9, 42.4' LT.	1
500+35.6, 25.3' RT.	1
TOTAL	7

REMOVING INLETS
60500060

LOCATION	EACH
500+26.8, 59.7' RT.	1
500+58.7, 32.1' RT.	1
TOTAL	2

JUNCTION BOX TO BE ADJUSTED
X8130130

LOCATION	EACH
500+28.1, 68.5' RT.	1
TOTAL	1

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



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 DEPARTMENT OF TRANSPORTATION

REMOVAL PLANS

SCALE: 1"=20' SHEET NO. 9 OF 31 SHEETS STA. 497+41.00 TO STA. 501+00.00

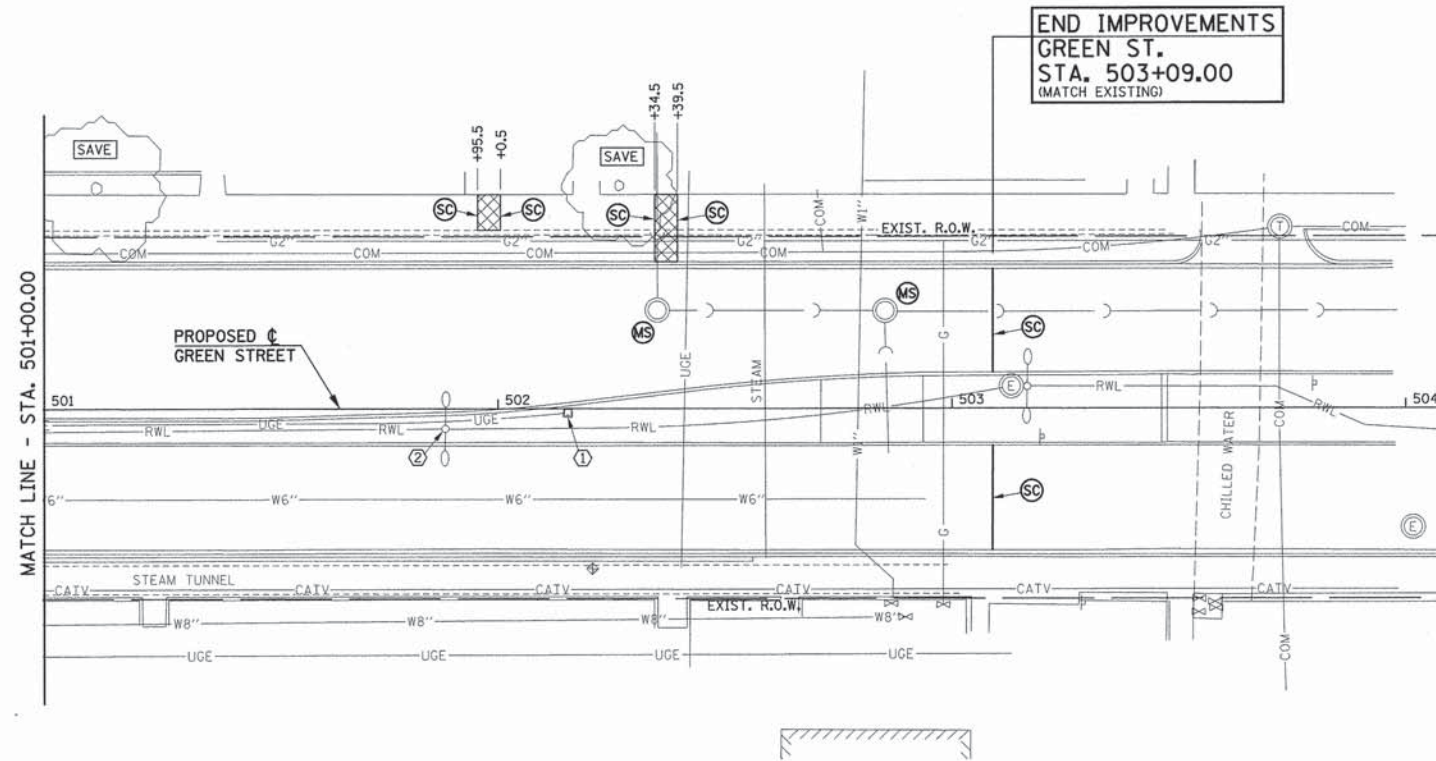
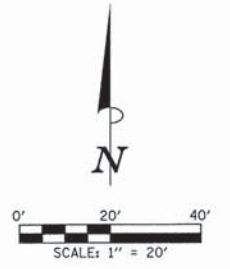
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	12-00518-00-TL	CHAMPAIGN	31	9
GOODWIN AVENUE		CONTRACT NO. 91483		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

LEGEND

-  PAVEMENT REMOVAL
-  COMBINATION CURB AND GUTTER REMOVAL
-  SIDEWALK REMOVAL
-  PARKING METER POSTS TO BE REMOVED
-  REMOVING INLETS
-  MANHOLES TO BE ADJUSTED
-  MANHOLES TO BE ADJUSTED (SPECIAL)
-  VALVE BOXES TO BE ADJUSTED
-  VALVE BOXES TO BE ADJUSTED (SPECIAL)
-  JUNCTION BOX TO BE ADJUSTED
-  SAW CUT

KEY NOTES

- ① SEE TRAFFIC SIGNAL PLANS FOR TRAFFIC SIGNAL REMOVAL ITEMS
- ② SEE ROADWAY LIGHTING PLANS FOR ROADWAY LIGHTING REMOVAL ITEMS



SIDEWALK REMOVAL 44000600	
LOCATION	SQ FT
STA. 501+95.5 LT TO STA. 502+00.5 LT	39
STA. 502+34.5 LT TO STA. 502+39.5 LT	75
TOTAL	114

MANHOLES TO BE ADJUSTED (SPECIAL) X6025600	
LOCATION	EACH
502+35.1, 21.8' LT.	1
502+85.3, 21.6' LT.	1
TOTAL	2

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

REMOVAL PLANS

SCALE: 1"=20' SHEET NO. 10 OF 31 SHEETS STA. 501+00.00 TO STA. 503+09.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	12-00518-00-TL	CHAMPAIGN	31	10
GOODWIN AVENUE			CONTRACT NO. 91483	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

**REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
20201200**

STATION	CU YD
AS DIRECTED BY THE ENGINEER (TOKEN QUANTITY)	10
TOTAL	10

**TEMPORARY RAMP
40600990**

LOCATION	SQ YD
497+41.0 LT. & RT. (GREEN)	69
503+09.0 LT. & RT. (GREEN)	69
32+04.0 LT. & RT. (GOODWIN)	68
33+99.0 LT. & RT. (GOODWIN)	68
TOTAL	274

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

STATION	TO STATION	SQ YD
32+04.0 LT. & RT.	32+71.7 LT. & RT.	402
TOTAL		402

**HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"
44000164**

STATION	TO STATION	SQ YD
497+41.0 LT. & RT.	503+09.0 LT. & RT.	3442
33+33.9 LT. & RT.	33+99.0 LT. & RT.	384
TOTAL		3826

**CLASS B PATCHES, TYPE I, 12 INCH
44200990**

LOCATION	SQ YD
AS SHOWN ON THE PLANS	6
AS DIRECTED BY THE ENGINEER (TOKEN QUANTITY)	19
TOTAL	25

**CLASS B PATCHES, TYPE II, 12 INCH
44200994**

LOCATION	SQ YD
AS DIRECTED BY THE ENGINEER (TOKEN QUANTITY)	100
TOTAL	100

**CLASS B PATCHES, TYPE III, 12 INCH
44200998**

LOCATION	SQ YD
AS DIRECTED BY THE ENGINEER (TOKEN QUANTITY)	25
TOTAL	25

**CLASS B PATCHES, TYPE IV, 12 INCH
44201000**

LOCATION	SQ YD
AS DIRECTED BY THE ENGINEER (TOKEN QUANTITY)	25
TOTAL	25

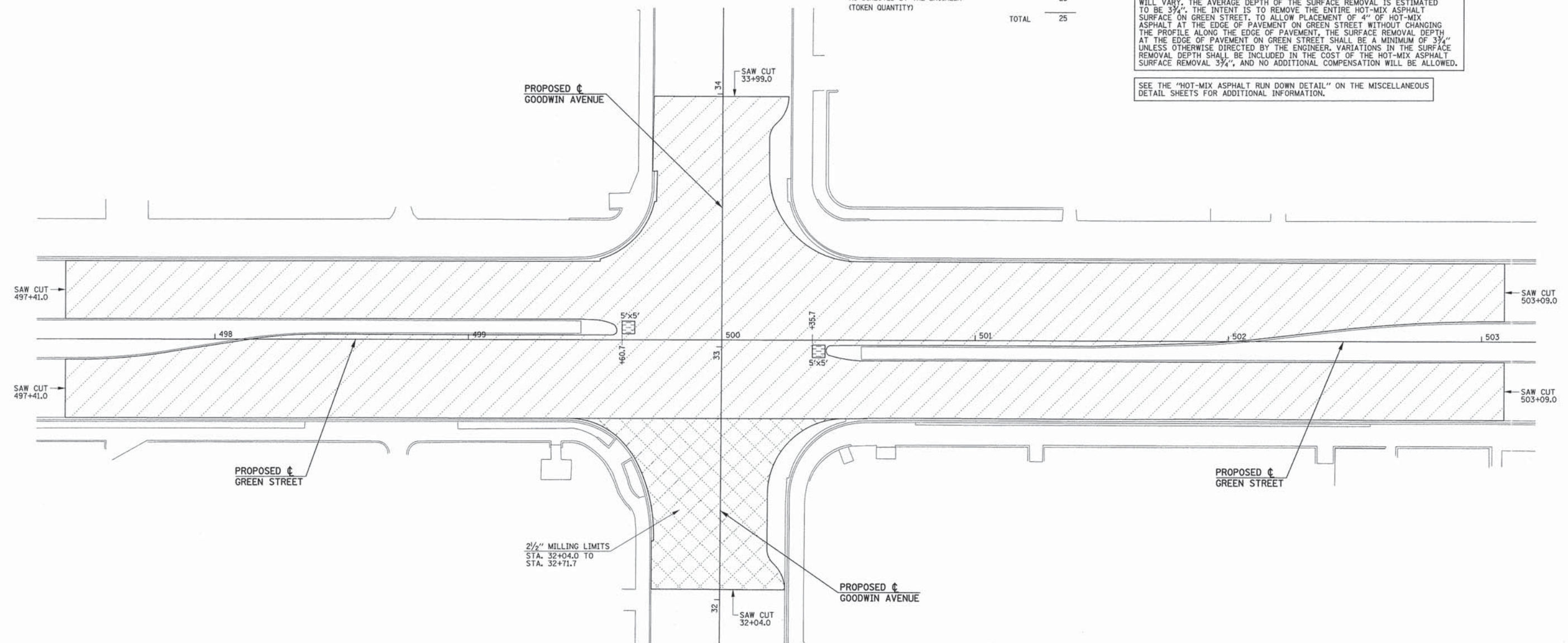
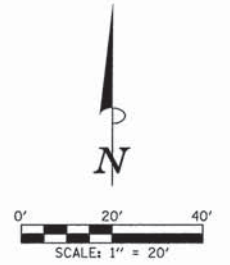
CLASS B PATCHES SHALL BE USED AT THE LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

THE AREAS OF HOT-MIX ASPHALT SURFACE REMOVAL INCLUDE THE TEMPORARY LOCATIONS OF THE HOT-MIX ASPHALT BINDER COURSE PLACED ABOVE THE PROPOSED PCC BASE COURSE ON THE NORTHEAST AND SOUTHEAST QUADRANTS OF THE INTERSECTION.

THE HOT-MIX ASPHALT SURFACE REMOVAL DEPTHS ON GOODWIN AVENUE SHALL BE ADJUSTED AS DIRECTED BY THE ENGINEER. VARIATIONS IN THE SURFACE REMOVAL DEPTH SHALL BE INCLUDED IN THE COST OF THE HOT-MIX ASPHALT SURFACE REMOVAL 2 1/2" OR 3 3/4", AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

THE DEPTH OF THE HOT-MIX ASPHALT SURFACE REMOVAL ON GREEN STREET WILL VARY. THE AVERAGE DEPTH OF THE SURFACE REMOVAL IS ESTIMATED TO BE 3 3/4". THE INTENT IS TO REMOVE THE ENTIRE HOT-MIX ASPHALT SURFACE ON GREEN STREET, TO ALLOW PLACEMENT OF 4" OF HOT-MIX ASPHALT AT THE EDGE OF PAVEMENT ON GREEN STREET WITHOUT CHANGING THE PROFILE ALONG THE EDGE OF PAVEMENT. THE SURFACE REMOVAL DEPTH AT THE EDGE OF PAVEMENT ON GREEN STREET SHALL BE A MINIMUM OF 3 3/4" UNLESS OTHERWISE DIRECTED BY THE ENGINEER. VARIATIONS IN THE SURFACE REMOVAL DEPTH SHALL BE INCLUDED IN THE COST OF THE HOT-MIX ASPHALT SURFACE REMOVAL 3 3/4", AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

SEE THE "HOT-MIX ASPHALT RUN DOWN DETAIL" ON THE MISCELLANEOUS DETAIL SHEETS FOR ADDITIONAL INFORMATION.



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DESIGNED - J.A.J.	REVISED -
DRAWN - D.L.M.	REVISED -
CHECKED - S.M.W.	REVISED -
DATE - 04/2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLANS

SCALE: 1"=20' SHEET NO. 11 OF 31 SHEETS STA. 497+41.00 TO STA. 503+09.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	12-00518-00-TL	CHAMPAIGN	31	11
GOODWIN AVENUE		CONTRACT NO. 91483		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

ROADWAY NOTES

- FOR THE COMB CC&G TB6.12 SPL, A 1-FOOT STUB SHALL BE CONSTRUCTED PERPENDICULAR TO THE SAWE EDGE OF EXISTING PAVEMENT AT THE LOCATIONS SHOWN ON THE PLANS. SEE THE TYPICAL SECTIONS FOR ADDITIONAL INFORMATION.
- SEE THE HORIZONTAL ALIGNMENT LAYOUT & CONTROL SHEETS FOR PROPOSED RIGHT-OF-WAY, PERMANENT EASEMENT, AND TEMPORARY CONSTRUCTION EASEMENT INFORMATION.
- SEE THE INTERSECTION DETAILS FOR THE PROPOSED CURB HEIGHTS FOR THE COMB CC&G TB6.12 SPL.
- SEE THE INTERSECTION DETAILS FOR THE LOCATIONS AND HEIGHTS OF THE MONOLITHIC CURB ADJACENT TO THE PROPOSED CONCRETE SIDEWALK.
- SEE THE INTERSECTION DETAILS AND MISCELLANEOUS DETAILS FOR ADDITIONAL INFORMATION.

LEGEND

- (F) INLET FILTERS
- PORTLAND CEMENT CONCRETE BASE COURSE 8"
- PORTLAND CEMENT CONCRETE SIDEWALK 6"
- DETECTABLE WARNINGS
- STEEL POSTS
- PERMANENT BENCH MARKS

STRUCTURE LEGEND

- TA - TYPE A (MANHOLE OR INLET)
- TB - TYPE B (INLET)
- R.D. - RESTRICTED DEPTH
- ⊕ - RIM - CENTER OF 2' OPENING
- ⊕ - RIM - TOP OF FRAME ELEVATION
- T/F.S.T. - TOP OF FLAT SLAB TOP
- 11 - TYPE 11 FRAME AND GRATE
- INV. - INVERT ELEVATION

KEY NOTES

- ① 1' STUB

SODDING 25200100		
LOCATION	SO YD	
STA. 497+41.0 RT TO STA. 498+35.5 RT (PARKWAY)	27	
STA. 498+16.0 RT TO STA. 498+28.0 RT (E AREA)	11	
SW CORNER GOODWIN AND GREEN	42	
TOTAL	80	

SUPPLEMENTAL WATERING 25200200		
LOCATION	UNIT	
STA. 497+41.0 TO STA. 501+00.0	4	
TOTAL	4	

SUBBASE GRANULAR MATERIAL, TYPE B 4" 31101200		
LOCATION	SO YD	
NE CORNER GOODWIN AND GREEN	89	
SE CORNER GOODWIN AND GREEN	69	
TOTAL	158	

INLET FILTERS 28000510		
LOCATION	EACH	
STA. 497+41.0 TO 501+00.0	12	
TOTAL	12	

AGGREGATE BASE COURSE, TYPE B 35101400		
LOCATION	TON	
NW CORNER GOODWIN AND GREEN	12.4	
NE CORNER GOODWIN AND GREEN	42.9	
SE CORNER GOODWIN AND GREEN	41.4	
SW CORNER GOODWIN AND GREEN	0.8	
STA. 498+19.5 RT TO STA. 498+24.5 RT	0.7	
TOTAL	98.2	

PORTLAND CEMENT CONCRETE BASE COURSE 8" 35300300		
LOCATION	SO YD	
NE CORNER GOODWIN AND GREEN	61	
SE CORNER GOODWIN AND GREEN	42	
TOTAL	103	

PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH 42400300		
LOCATION	SO FT	
NW CORNER GOODWIN AND GREEN	491	
NE CORNER GOODWIN AND GREEN	1190	
SE CORNER GOODWIN AND GREEN	953	
SW CORNER GOODWIN AND GREEN	27	
STA. 498+19.5 RT TO STA. 498+24.5 RT	25	
TOTAL	2686	

DETECTABLE WARNINGS 42400800		
LOCATION	SO FT	
NW CORNER GOODWIN AND GREEN	43	
NE CORNER GOODWIN AND GREEN	57	
SE CORNER GOODWIN AND GREEN	47	
TOTAL	147	

MULCH K1003680		
LOCATION	SO YD	
NW CORNER GOODWIN AND GREEN	126	
SE CORNER GOODWIN AND GREEN	108	
DISTURBED MEDIAN AREAS	15	
TOTAL	249	

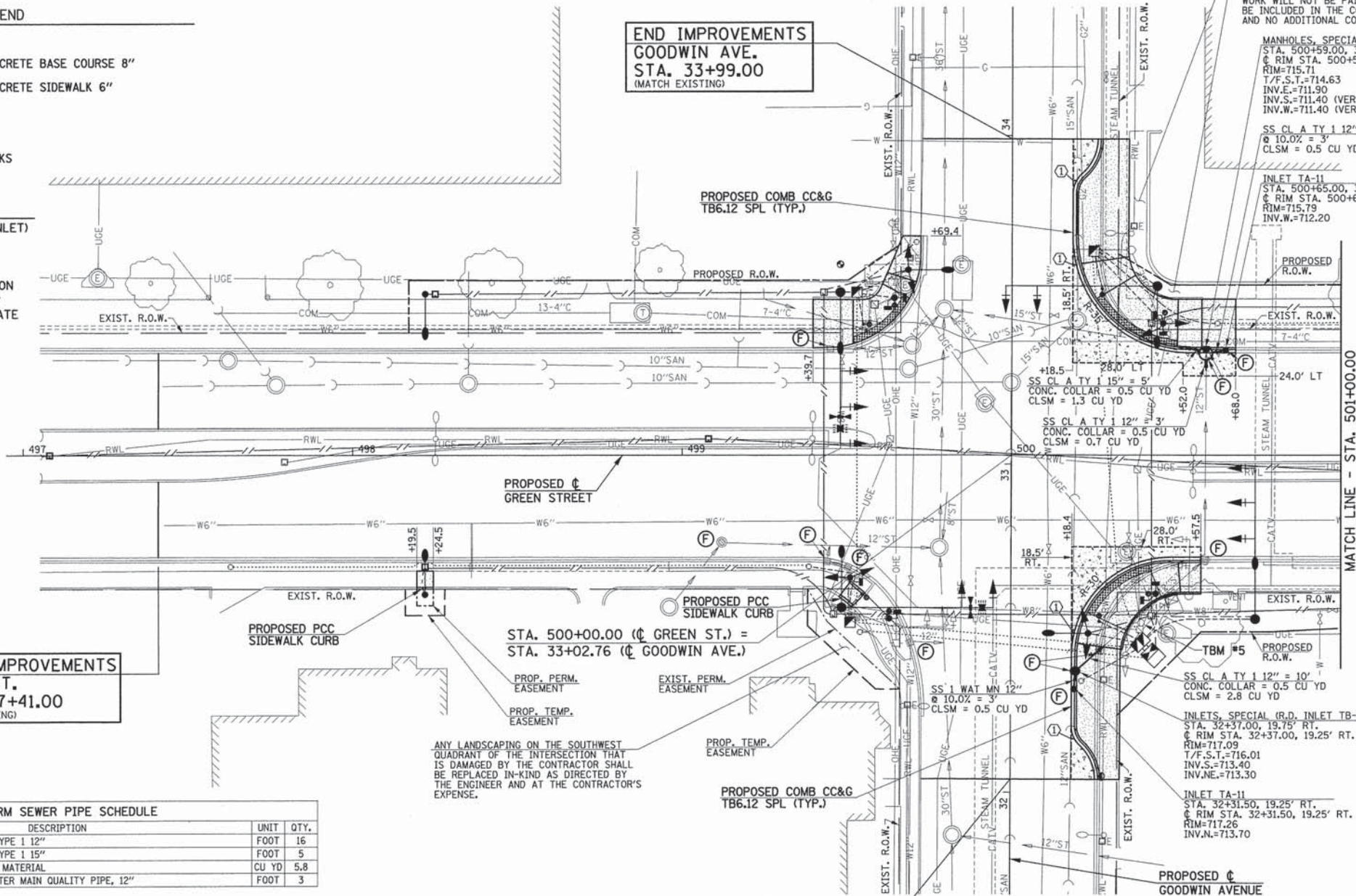
COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.12 (SPECIAL) X6064200		
LOCATION	FOOT	
NE CORNER GOODWIN AND GREEN	100	
SE CORNER GOODWIN AND GREEN	95	
TOTAL	195	

STEEL POSTS X6300230		
LOCATION	EACH	
STA. 32+05.0 RT	1	
TOTAL	1	

SEEDING (COMPLETE) XX006343		
LOCATION	SO YD	
NW CORNER GOODWIN AND GREEN	126	
SE CORNER GOODWIN AND GREEN	108	
DISTURBED MEDIAN AREAS	15	
TOTAL	249	

PORTLAND CEMENT CONCRETE SIDEWALK CURB Z0042300		
LOCATION	FOOT	
SW CORNER GOODWIN AND GREEN	5	
STA. 498+19.5 RT TO STA. 498+24.5 RT	5	
TOTAL	10	

PERMANENT BENCH MARKS Z0038700		
LOCATION	EACH	
STA. 499+48.0, 58.0' LT	1	
TOTAL	1	



**BEGIN IMPROVEMENTS
GREEN ST.
STA. 497+41.00
(MATCH EXISTING)**

**END IMPROVEMENTS
GOODWIN AVE.
STA. 33+99.00
(MATCH EXISTING)**

**BEGIN IMPROVEMENTS
GOODWIN AVE.
STA. 32+04.00
(MATCH EXISTING)**

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

STORM SEWER PIPE SCHEDULE			
CODE NO.	DESCRIPTION	UNIT	QTY.
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	16
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	5
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	5.8
Z0056648	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 12"	FOOT	3

STORM SEWER STRUCTURE SCHEDULE			
CODE NO.	DESCRIPTION	UNIT	QTY.
54248510	CONCRETE COLLAR	CU YD	1.5
60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	2
X6020084	MANHOLES, SPECIAL	EACH	1
X6024240	INLETS, SPECIAL	EACH	1

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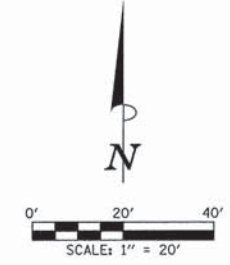
ROADWAY PLANS

SCALE: 1"=20' SHEET NO. 12 OF 31 SHEETS STA. 497+41.00 TO STA. 501+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	12-00518-00-TL	CHAMPAIGN	31	12
GOODWIN AVENUE			CONTRACT NO. 91483	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

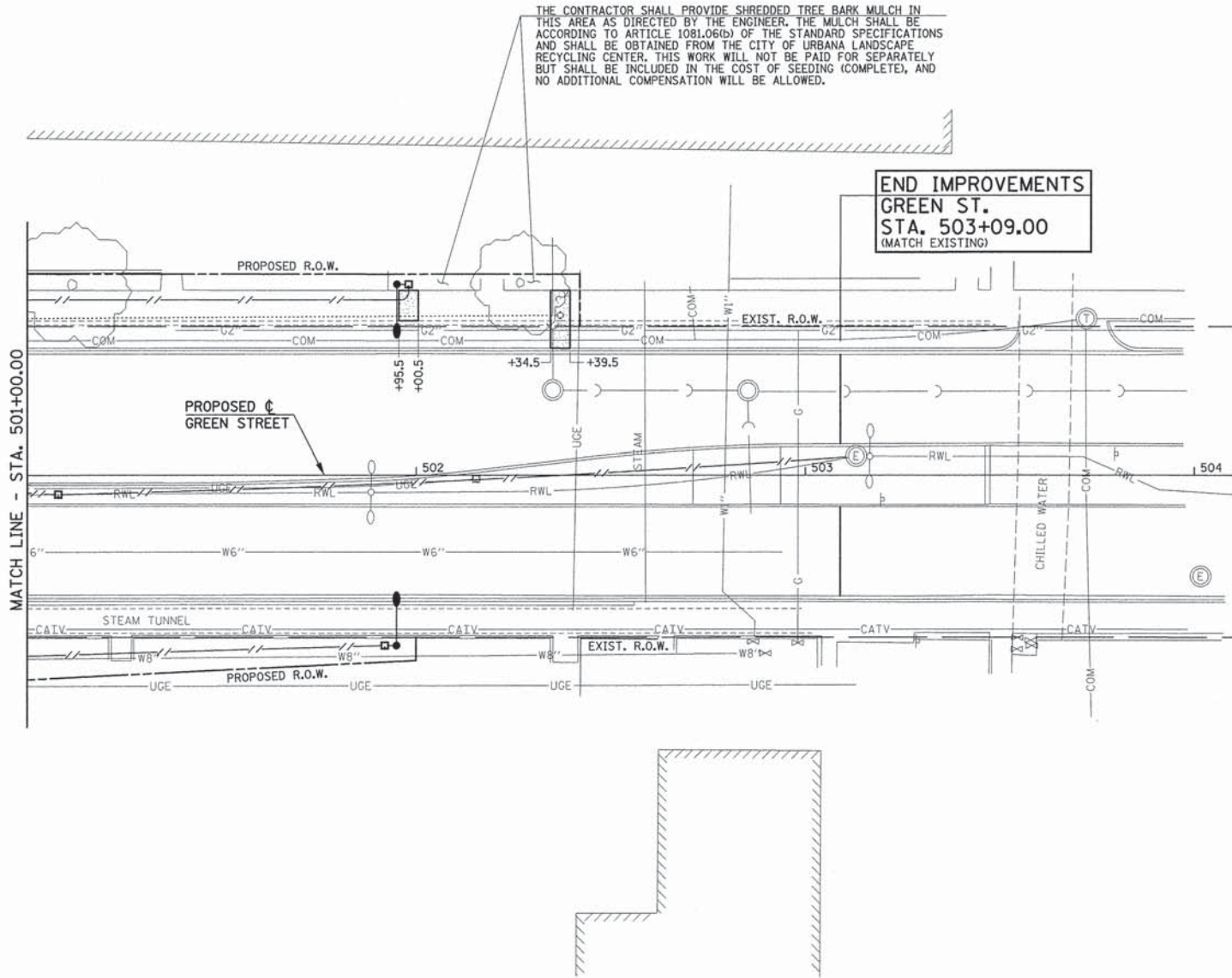
LEGEND

	INLET FILTERS
	PORTLAND CEMENT CONCRETE BASE COURSE 8"
	PORTLAND CEMENT CONCRETE SIDEWALK 6"
	DETECTABLE WARNINGS
	STEEL POSTS
	PERMANENT BENCH MARKS



THE CONTRACTOR SHALL PROVIDE SHREDDED TREE BARK MULCH IN THIS AREA AS DIRECTED BY THE ENGINEER. THE MULCH SHALL BE ACCORDING TO ARTICLE 1081.06(b) OF THE STANDARD SPECIFICATIONS AND SHALL BE OBTAINED FROM THE CITY OF URBANA LANDSCAPE RECYCLING CENTER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF SEEDING (COMPLETE), AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

END IMPROVEMENTS
GREEN ST.
STA. 503+09.00
 (MATCH EXISTING)



SUPPLEMENTAL WATERING
25200200

LOCATION	UNIT
STA. 501+00.0 RT TO STA. 502+00.0 RT	1
TOTAL	1

AGGREGATE BASE COURSE, TYPE B
35101400

LOCATION	TON
STA. 501+95.5 LT TO STA. 502+00.5 LT	1.0
STA. 502+34.5 LT TO STA. 502+39.5 LT	1.9
TOTAL	2.9

PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH
42400300

LOCATION	SQ FT
STA. 501+95.5 LT TO STA. 502+00.5 LT	39
STA. 502+34.5 LT TO STA. 502+39.5 LT	75
TOTAL	114

MULCH
K1003680

LOCATION	SQ YD
STA. 501+00.0 RT TO STA. 502+00.0 RT	85
DISTURBED MEDIAN AREAS	6
TOTAL	91

SEEDING (COMPLETE)
XX006343

LOCATION	SQ YD
STA. 501+00.0 RT TO STA. 502+00.0 RT	85
DISTURBED MEDIAN AREAS	6
TOTAL	91

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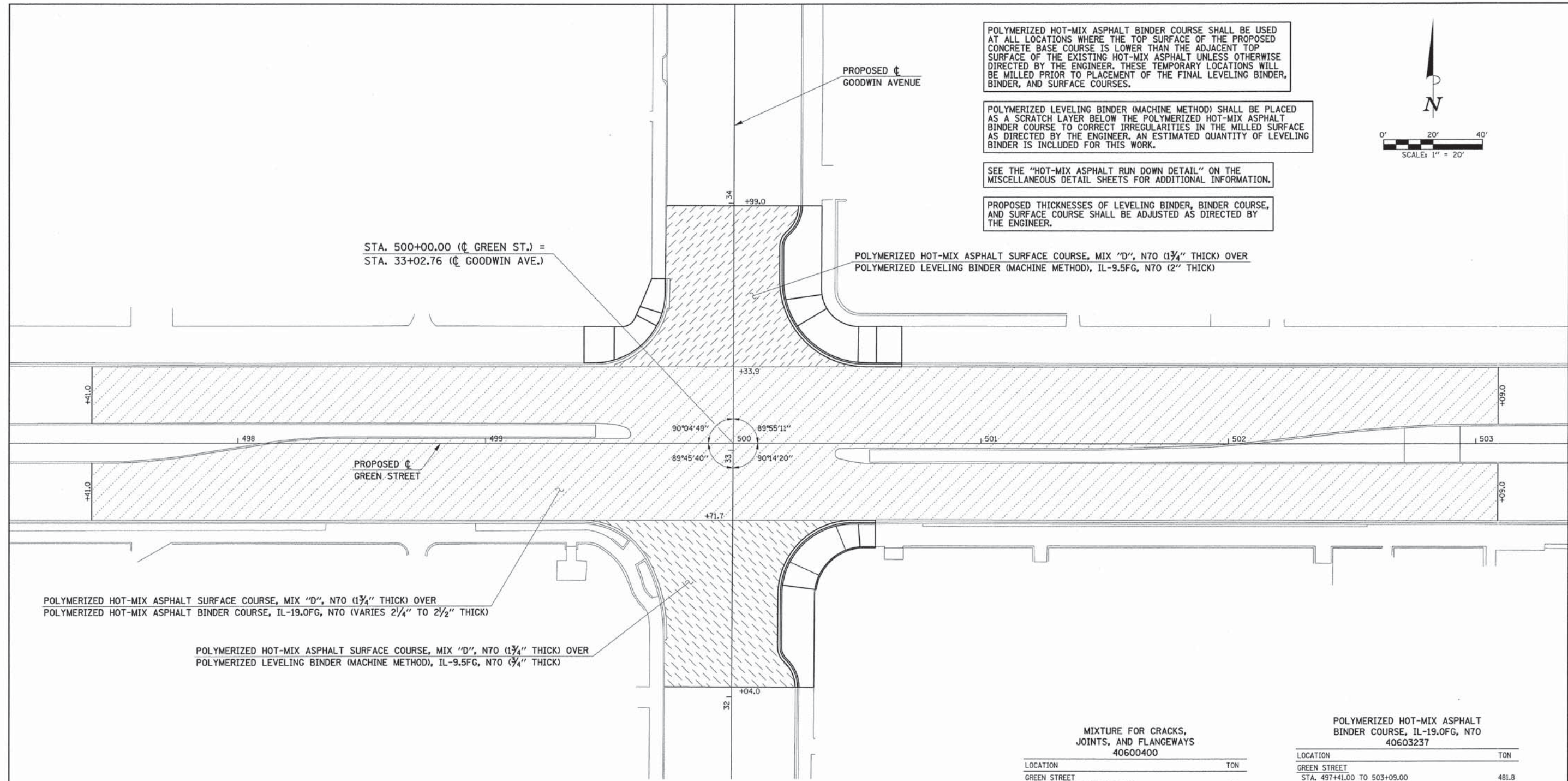
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CHECKED - S.M.W.	REVISED -
DATE - 04/2013	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ROADWAY PLANS

SCALE : 1"=20' SHEET NO. 13 OF 31 SHEETS STA. 501+00.00 TO STA. 503+09.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	12-00518-00-TL	CHAMPAIGN	31	13
GOODWIN AVENUE		CONTRACT NO. 91483		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

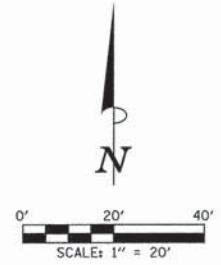


POLYMERIZED HOT-MIX ASPHALT BINDER COURSE SHALL BE USED AT ALL LOCATIONS WHERE THE TOP SURFACE OF THE PROPOSED CONCRETE BASE COURSE IS LOWER THAN THE ADJACENT TOP SURFACE OF THE EXISTING HOT-MIX ASPHALT UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THESE TEMPORARY LOCATIONS WILL BE MILLED PRIOR TO PLACEMENT OF THE FINAL LEVELING BINDER, BINDER, AND SURFACE COURSES.

POLYMERIZED LEVELING BINDER (MACHINE METHOD) SHALL BE PLACED AS A SCRATCH LAYER BELOW THE POLYMERIZED HOT-MIX ASPHALT BINDER COURSE TO CORRECT IRREGULARITIES IN THE MILLED SURFACE AS DIRECTED BY THE ENGINEER. AN ESTIMATED QUANTITY OF LEVELING BINDER IS INCLUDED FOR THIS WORK.

SEE THE "HOT-MIX ASPHALT RUN DOWN DETAIL" ON THE MISCELLANEOUS DETAIL SHEETS FOR ADDITIONAL INFORMATION.

PROPOSED THICKNESSES OF LEVELING BINDER, BINDER COURSE, AND SURFACE COURSE SHALL BE ADJUSTED AS DIRECTED BY THE ENGINEER.



POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (1 3/4" THICK) OVER POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0FG, N70 (VARIES 2 1/4" TO 2 1/2" THICK)

POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (1 3/4" THICK) OVER POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N70 (3/4" THICK)

GRANULAR EMBANKMENT, SPECIAL 20600110

LOCATION	TON
AS DIRECTED BY THE ENGINEER (TOKEN QUANTITY)	20
TOTAL	20

GEOTECHNICAL FABRIC FOR GROUND STABILIZATION 21001000

LOCATION	SO YD
AS DIRECTED BY THE ENGINEER (TOKEN QUANTITY)	30
TOTAL	30

BITUMINOUS MATERIALS (PRIME COAT) 40600100

LOCATION	GALLON
GREEN STREET STA. 497+41.00 TO 503+09.00	689
GOODWIN AVENUE STA. 32+04.00 TO 32+71.70	80
STA. 33+33.90 TO 33+99.00	77
TOTAL	846

AGGREGATE (PRIME COAT) 40600300

LOCATION	TON
GREEN STREET STA. 497+41.00 TO 503+09.00	13.8
GOODWIN AVENUE STA. 32+04.00 TO 32+71.70	1.6
STA. 33+33.90 TO 33+99.00	1.5
TOTAL	16.9

MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS 40600400

LOCATION	TON
GREEN STREET STA. 497+41.00 TO 503+09.00	0.8
GOODWIN AVENUE STA. 32+04.00 TO 32+71.70	0.1
STA. 33+33.90 TO 33+99.00	0.1
TOTAL	1.0

POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N70 40600839

LOCATION	TON
GREEN STREET STA. 497+41.00 TO 503+09.00 (VARIABLE DEPTH)	25.0
GOODWIN AVENUE STA. 32+04.00 TO 32+71.70 (3/4" THICK)	16.9
STA. 33+33.90 TO 33+99.00 (2" THICK)	43.1
TOTAL	85.0

POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0FG, N70 40603237

LOCATION	TON
GREEN STREET STA. 497+41.00 TO 503+09.00 (VARIES 2 1/4" TO 2 1/2" THICK)	481.8
TEMPORARY LOCATIONS (PCC BASE COURSE AREAS)	
NE CORNER GOODWIN AND GREEN	12.8
SE CORNER GOODWIN AND GREEN	6.8
TOTAL	501.4

POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE MIX "D", N70 40603540

LOCATION	TON
GREEN STREET STA. 497+41.00 TO 503+09.00 (1 3/4" THICK)	337.3
GOODWIN AVENUE STA. 32+04.00 TO 32+71.70 (1 3/4" THICK)	39.3
STA. 33+33.90 TO 33+99.00 (1 3/4" THICK)	37.7
TOTAL	414.3

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLANS

SCALE : 1"=20' SHEET NO. 14 OF 31 SHEETS STA. 497+41.00 TO STA. 503+09.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	12-00518-00-TL	CHAMPAIGN	31	14
GOODWIN AVENUE		CONTRACT NO. 91483		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS TO ALL BUILDINGS WITHIN THE PROJECT LIMITS AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR SHALL LIMIT CONSTRUCTION OPERATIONS AT THE INTERSECTION 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. 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 AUTHORIZATION FROM THE ENGINEER.
3. ONE THRU LANE OF TRAFFIC SHALL BE MAINTAINED IN EACH DIRECTION ON GOODWIN AVENUE AND ON GREEN STREET EXCEPT 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, 701601, 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 AND PROTECTION (SPECIAL). 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 AND TRAFFIC CONTROL SIGNS REQUIRED TO MAINTAIN THE TRAFFIC CONTROL OR AS DIRECTED BY THE ENGINEER SHALL BE INCLUDED IN THE LUMP SUM PRICE OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).
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 AND PROTECTION (SPECIAL).
7. THE CONTRACTOR SHALL MAINTAIN AT LEAST ONE POINT OF ACCESS TO EACH PROPERTY IN THE WORK AREA AT ALL TIMES.
8. FURNISHING, PLACING, SALVAGING, 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. AN APPROXIMATE QUANTITY OF AGGREGATE FOR TEMPORARY ACCESS HAS BEEN INCLUDED FOR THIS WORK. THE USE OF AGGREGATE THAT IS SALVAGED FROM ONE TEMPORARY LOCATION AND USED AT A DIFFERENT LOCATION WILL ONLY BE PAID FOR AT THE ORIGINAL LOCATION, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
9. THE CONTRACTOR SHALL COVER OR REMOVE ANY EXISTING SIGN THAT CONFLICTS WITH THE TRAFFIC CONTROL PLAN AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE "NO PARKING" SIGNS (R7-1-121B) ALONG THE CORRIDOR AS DIRECTED BY THE ENGINEER. THE PROPOSED SIGNS SHALL BE INSTALLED IN ACCORDANCE WITH STANDARD 701901 AND AS DIRECTED BY THE ENGINEER.
10. THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO WEIGHTED SAND BAGS ON EACH TYPE II BARRICADE USED (ONE WEIGHTED SAND BAG ACROSS EACH BOTTOM RAIL).
11. FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.
12. 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.
13. 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 AND PROTECTION (SPECIAL).
14. TRAFFIC CONTROL DEVICES SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.
15. 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.
16. TO THE FULLEST EXTENT POSSIBLE, THE EXISTING PAVEMENT MARKING SHALL BE USED FOR TRAFFIC CONTROL. 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 PAVEMENT MARKING TAPE, TYPE III 24" AND SHALL CONSIST OF 24" SOLID WHITE STOP LINES PLACED ON THE FINAL WEARING SURFACE 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.
17. 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 REQUIRED BY THE TRAFFIC CONTROL PLAN 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 AND WORK ZONE PAVEMENT MARKINGS REQUIRED BY THE TRAFFIC CONTROL STANDARDS 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.
18. THE CONTRACTOR SHALL NOTIFY THE CITY OF URBANA OF ALL ROAD CLOSURES AND CHANGES TO THE TRAFFIC CONTROL PLAN A MINIMUM OF 48 HOURS IN ADVANCE OF THE WORK.
19. THE CITY OF URBANA WILL BE RESPONSIBLE FOR NOTIFYING THE PUBLIC, THE UNITED STATES POSTAL SERVICE, THE CHAMPAIGN-URBANA MASS TRANSIT DISTRICT, THE EMERGENCY SERVICE AGENCIES, AND THE UNIVERSITY OF ILLINOIS OF ALL ROAD CLOSURES AND CHANGES TO THE TRAFFIC CONTROL PLAN.
20. 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.
21. THE INITIAL TRAFFIC CONTROL SETUP AND SUBSEQUENT CHANGES BETWEEN TRAFFIC CONTROL STAGES SHALL BE PERFORMED DURING NON-PEAK TRAFFIC HOURS AS DIRECTED BY THE ENGINEER. FLAGGERS SHALL BE REQUIRED DURING THE INITIAL SETUP AND SUBSEQUENT CHANGES OF THE TRAFFIC CONTROL DEVICES AS DIRECTED BY THE ENGINEER.
22. REFER TO THE SPECIAL PROVISIONS FOR ADDITIONAL REQUIREMENTS CONCERNING THE USE OF FLAGGERS.
23. REFER TO THE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.

TRAFFIC SIGNAL AND ALL-WAY STOP CONTROL NOTES

1. 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 (R1-1-30), "ALL-WAY" SIGNS (R1-4-1806), AND "STOP AHEAD" SIGNS (W3-1-48) ON ALL INTERSECTION APPROACHES AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL), AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
2. THE DURATION OF THE ALL-WAY STOP-CONTROL SHALL BE KEPT TO A MINIMUM AS DIRECTED BY THE ENGINEER AND THE CITY OF URBANA.

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.
701601	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

TRAFFIC CONTROL BILL OF MATERIALS

CODE NUMBER	DESCRIPTION	UNIT	QUANTITY
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	25
70300570	PAVEMENT MARKING TAPE, TYPE III 24"	FOOT	128
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	256
X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1

NOTE: AN APPROXIMATE QUANTITY OF AGGREGATE FOR TEMPORARY ACCESS HAS BEEN INCLUDED FOR THIS WORK (SEE TRAFFIC CONTROL GENERAL NOTE 8).

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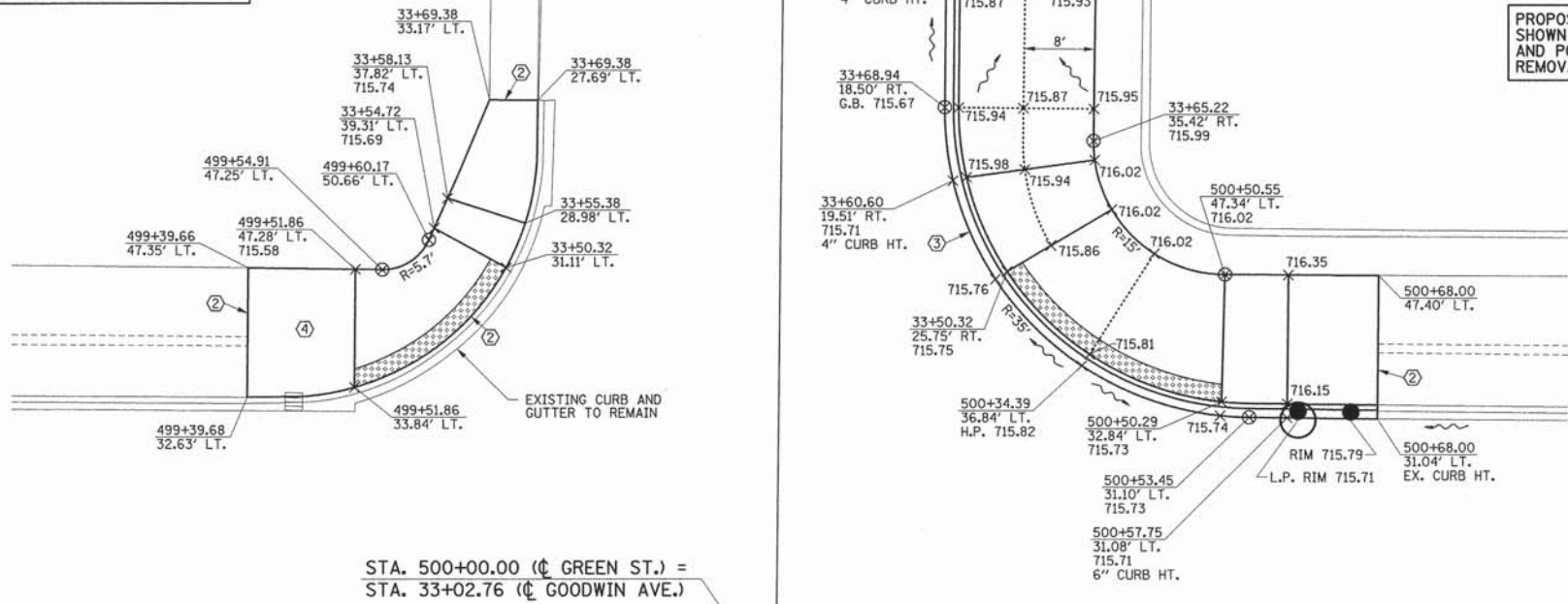
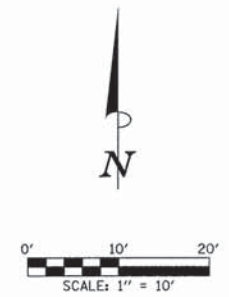
TRAFFIC CONTROL PLANS

SCALE : NONE SHEET NO. 15 OF 31 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	12-00518-00-TL	CHAMPAIGN	31	15
GOODWIN AVENUE			CONTRACT NO. 91483	
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

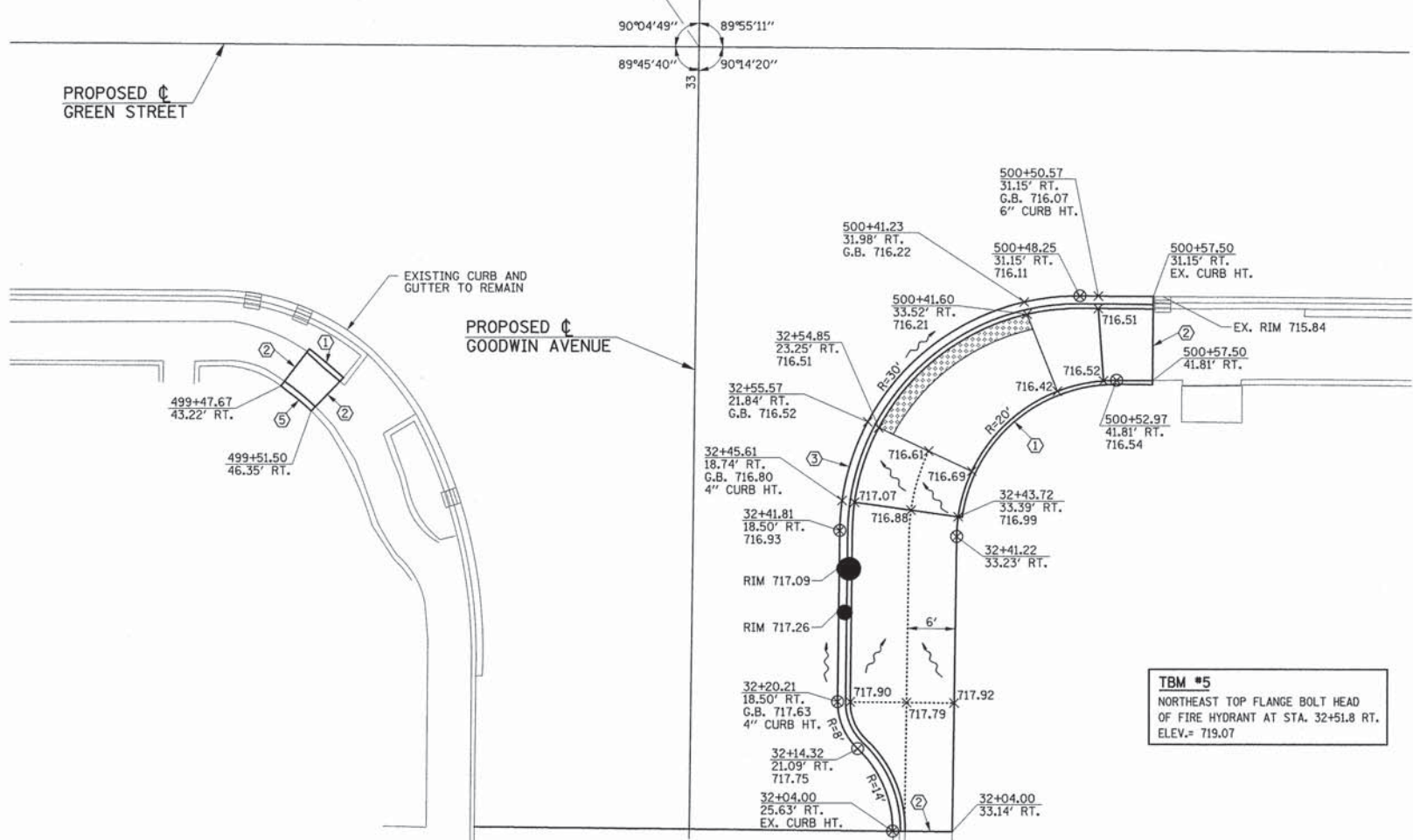
NOTE: ADJUST THE PROPOSED STATIONS AND ELEVATIONS ON THE NORTHWEST QUADRANT AS REQUIRED TO MATCH THE EXISTING CURB RAMP OPENING AND CURB HEIGHT TRANSITIONS.

PROPOSED PCC BASE COURSE LIMITS ARE NOT SHOWN FOR CLARITY. FOR PAVEMENT REMOVAL AND PCC BASE COURSE LIMITS, SEE THE REMOVAL PLANS AND ROADWAY PLANS.



- KEY NOTES**
- ① 6" WIDE CURB POURED MONOLITHICALLY WITH SIDEWALK
 - ② MATCH EXISTING
 - ③ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)
 - ④ SIDEWALK TRANSITION AREA
 - ⑤ PORTLAND CEMENT CONCRETE SIDEWALK CURB

- LEGEND**
- 778.60_± PROPOSED SPOT ELEVATION
 - OR G.B. PROPOSED GRADE BREAK
 - ~ PROPOSED DIRECTION OF FLOW
 - H.P. HIGH POINT
 - L.P. LOW POINT
 - ⊗ OR R.P. RADIUS POINT
 - T/C TOP OF CURB



- INTERSECTION DETAIL NOTES**
1. THE CURB AND GUTTER SHALL NOT BE POURED MONOLITHICALLY WITH THE PORTLAND CEMENT CONCRETE BASE COURSE. TIE BARS BETWEEN THE PAVEMENT AND THE CURB AND GUTTER WILL BE REQUIRED.
 2. TRANSITION PROPOSED CURB HEIGHT, GUTTER WIDTH, AND GUTTER SLOPE TO MATCH EXISTING CURB AND GUTTER IN 5' 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 SHALL 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 6" WIDE MONOLITHIC SIDEWALK 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. PROPOSED CURB HEIGHTS OUTSIDE OF CURB TRANSITION AREAS OR CURB RAMP AREAS ARE SHOWN ON THE PLANS. THE COST OF CONSTRUCTING THE PROPOSED CURB AND GUTTER WITH CURB HEIGHTS OTHER THAN 6" AND THE COST OF CONSTRUCTING THE CURB HEIGHT TRANSITIONS SHALL BE INCLUDED IN THE COST OF THE COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL), AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. CURB HEIGHT TRANSITIONS SHALL BE AS DIRECTED BY THE ENGINEER.
 9. SIDEWALK CROSS SLOPES SHALL NOT EXCEED 2% EXCEPT WHERE REQUIRED TO MATCH ADJACENT EXISTING CROSS SLOPES OR AS OTHERWISE DIRECTED BY THE ENGINEER.

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 DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAILS

SCALE: 1"=10' SHEET NO. 16 OF 31 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	12-00518-00-TL	CHAMPAIGN	31	16
GOODWIN AVENUE		CONTRACT NO. 91483		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

TYPICAL PAVEMENT MARKING LEGEND			
1	4" SOLID/SKIP-DASH YELLOW*	7	4" SKIP-DASH (WHITE)
2	4" DOUBLE YELLOW	8	12" DIAGONAL (WHITE)*
3	12" DIAGONAL (YELLOW)*	9	6" CROSSWALK (WHITE)*
4	4" SOLID WHITE	10	12" CROSSWALK (WHITE)
5	6" SOLID WHITE	11	24" STOP BAR (WHITE)
6	6" LANE LINE EXTENSIONS (WHITE)	12	4" LANE LINE EXTENSIONS (WHITE)*
*NOT USED			

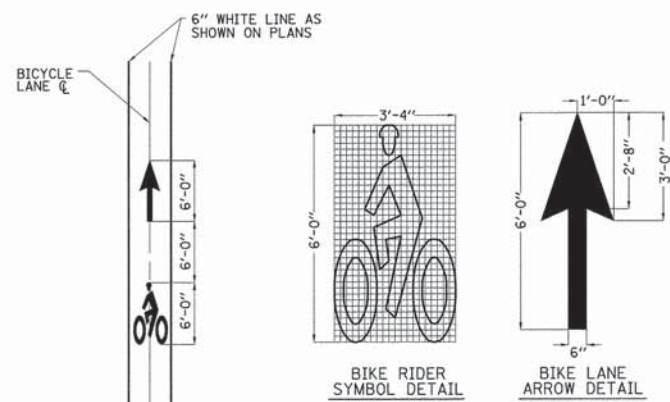
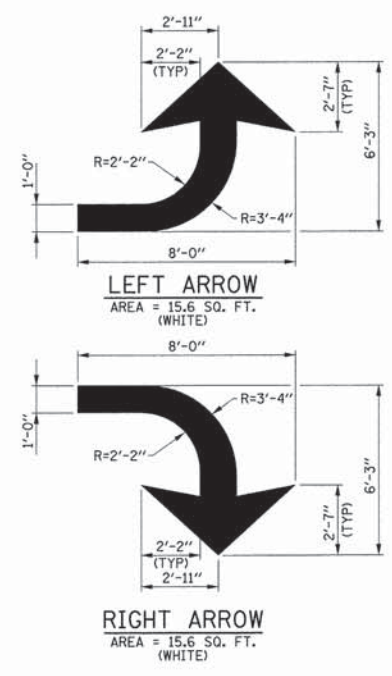
END IMPROVEMENTS
GOODWIN AVE.
STA. 33+99.00
 (MATCH EXISTING)

PROPOSED ϕ
 GOODWIN AVENUE

STA. 500+00.00 (ϕ GREEN ST.) =
 STA. 33+02.76 (ϕ GOODWIN AVE.)

BEGIN IMPROVEMENTS
GREEN ST.
STA. 497+41.00
 (MATCH EXISTING)

BEGIN IMPROVEMENTS
GOODWIN AVE.
STA. 32+04.00
 (MATCH EXISTING)



NOTE: BICYCLE LANE PAVEMENT MARKING 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.

BICYCLE LANE MARKING
 (POLYUREA, WHITE)

NOTE: BICYCLE DETECTOR PAVEMENT MARKING SHALL CONSIST OF BIKE RIDER SYMBOL AND TWO 2" WIDE LINES AND SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS. THE BICYCLE DETECTOR PAVEMENT MARKING SHALL BE PLACED IN THE CENTER OF THE BICYCLE LANE DETECTOR LOOP UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

BICYCLE DETECTOR MARKING
 AREA = 0.8 SQ. FT.
 (POLYUREA, WHITE)

THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (78000100)

LOCATION	LEFT TURN ARROW (SQ FT)	TOTAL (SQ FT)
STA. 497+41.00 TO 501+00.00	62.4	62.4
STA. 32+04.00 TO 33+99.00	31.2	31.2
SHEET TOTAL	93.6	93.6

THERMOPLASTIC PAVEMENT MARKING - LINE 4" (78000200)

LOCATION	SKIP-DASH WHITE (FOOT)	DOUBLE YELLOW (FOOT)	SOLID WHITE (FOOT)	TOTAL (FOOT)
STA. 497+41.00 TO 501+00.00	140	-	161	301
STA. 32+04.00 TO 33+99.00	-	170	93	263
SHEET TOTAL	140	170	254	564

THERMOPLASTIC PAVEMENT MARKING - LINE 6" (78000400)

LOCATION	SOLID WHITE (FOOT)	LANE LINE EXTENSION WHITE (FOOT)	TOTAL (FOOT)
STA. 497+41.00 TO 501+00.00	-	-	-
STA. 32+04.00 TO 33+99.00	97	24	121
SHEET TOTAL	97	24	121

THERMOPLASTIC PAVEMENT MARKING - LINE 12" (78000600)

LOCATION	CROSSWALK WHITE (FOOT)	TOTAL (FOOT)
STA. 497+41.00 TO 501+00.00	554	554
STA. 32+04.00 TO 33+99.00	443	443
SHEET TOTAL	997	997

THERMOPLASTIC PAVEMENT MARKING - LINE 24" (78000650)

LOCATION	STOP BAR WHITE (FOOT)	TOTAL (FOOT)
STA. 497+41.00 TO 501+00.00	70	70
STA. 32+04.00 TO 33+99.00	58	58
SHEET TOTAL	128	128

POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS (78008200)

LOCATION	TOTAL (SQ FT)
STA. 497+41.00 TO 501+00.00	-
STA. 32+04.00 TO 33+99.00	1.6
SHEET TOTAL	1.6

BICYCLE LANE MARKING (X0322748)

LOCATION	TOTAL (EACH)
STA. 497+41.00 TO 501+00.00***	1
STA. 32+04.00 TO 33+99.00	4
SHEET TOTAL	5

***BIKE RIDER SYMBOL ONLY

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PAVEMENT MARKING PLANS

SCALE: 1"=20' SHEET NO. 17 OF 31 SHEETS STA. 497+41.00 TO STA. 501+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	12-00518-00-TL	CHAMPAIGN	31	17
GOODWIN AVENUE		CONTRACT NO. 91483		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

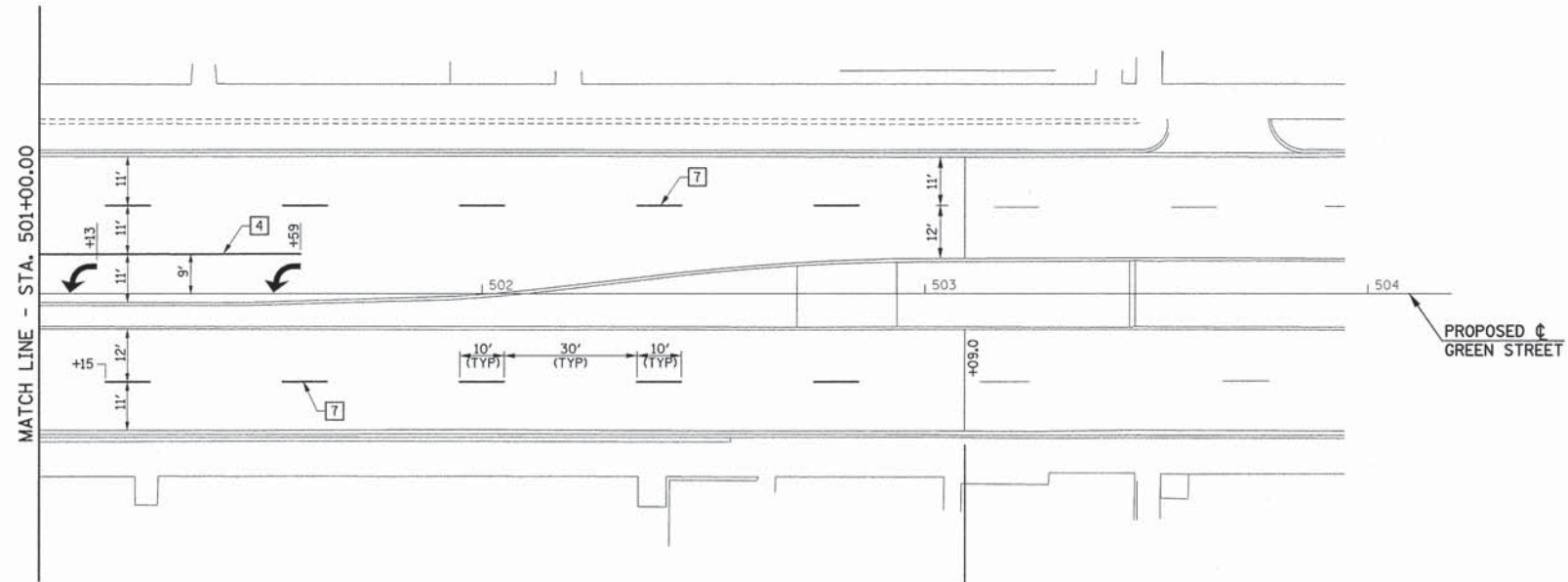
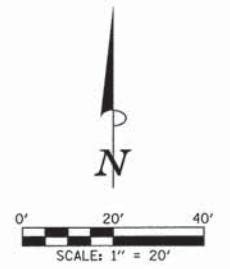
TYPICAL PAVEMENT MARKING LEGEND			
1	4" SOLID/SKIP-DASH YELLOW*	7	4" SKIP-DASH (WHITE)
2	4" DOUBLE YELLOW	8	12" DIAGONAL (WHITE)*
3	12" DIAGONAL (YELLOW)*	9	6" CROSSWALK (WHITE)*
4	4" SOLID WHITE	10	12" CROSSWALK (WHITE)
5	6" SOLID WHITE	11	24" STOP BAR (WHITE)
6	6" LANE LINE EXTENSIONS (WHITE)	12	4" LANE LINE EXTENSIONS (WHITE)*
*NOT USED			

THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (78000100)

LOCATION	LEFT TURN ARROW (SQ FT)	TOTAL (SQ FT)
STA. 501+00.00 TO 503+09.00	31.2	31.2
SHEET TOTAL		31.2

THERMOPLASTIC PAVEMENT MARKING - LINE 4" (78000200)

LOCATION	SKIP-DASH WHITE (FOOT)	DOUBLE YELLOW (FOOT)	SOLID WHITE (FOOT)	TOTAL (FOOT)
STA. 501+00.00 TO 503+09.00	100	-	59	159
SHEET TOTAL				159



END IMPROVEMENTS
GREEN ST.
STA. 503+09.00
 (MATCH EXISTING)

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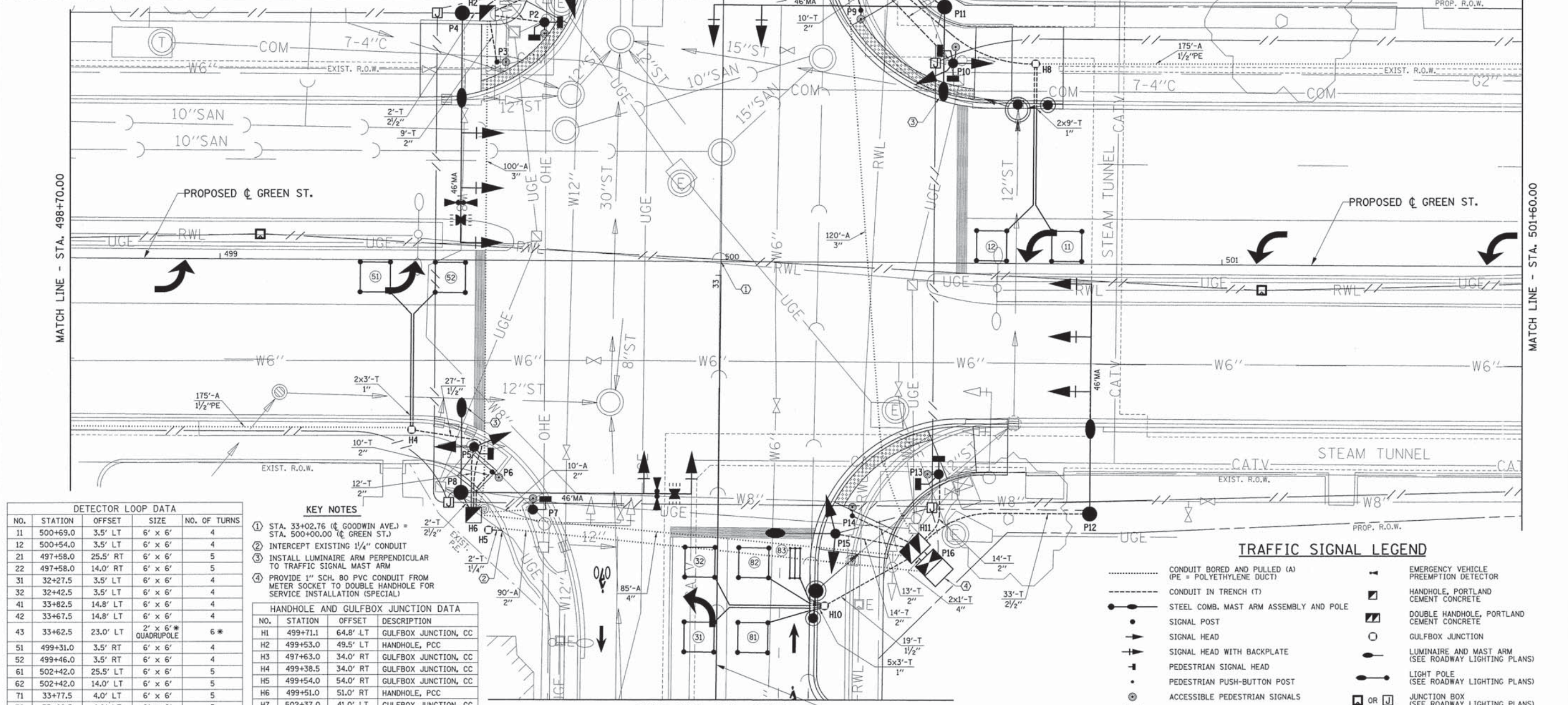
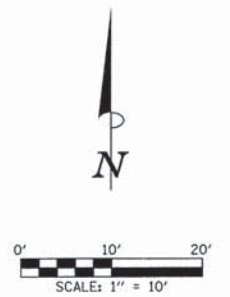
PAVEMENT MARKING PLANS

SCALE : 1"=20' SHEET NO. 18 OF 31 SHEETS STA. 501+00.00 TO STA. 503+09.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	12-00518-00-TL	CHAMPAIGN	31	18
GOODWIN AVENUE		CONTRACT NO. 91483		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

POST, MAST ARM, AND CONTROLLER DATA				
NO.	STATION	OFFSET	DESCRIPTION	FOUNDATION
P1	499+68.6	56.3' LT	LIGHT POLE (SEE ROADWAY LIGHTING PLANS)	(SEE DETAIL)
P2	499+64.4	47.8' LT	TRAFFIC SIGNAL POST, 10'	A
P3	499+55.0	39.7' LT	PEDESTRIAN PUSH-BUTTON POST	(SEE DETAIL)
P4	499+48.0	49.5' LT	STEEL COMB. MAST ARM ASSEMBLY AND POLE 46'	E-36"DIA.-15'
P5	499+51.0	37.4' RT	TRAFFIC SIGNAL POST, 16'	A
P6	499+54.6	42.4' RT	PEDESTRIAN PUSH-BUTTON POST	(SEE DETAIL)
P7	499+62.8	49.9' RT	TRAFFIC SIGNAL POST, 10'	A
P8	499+48.4	46.5' RT	STEEL COMB. MAST ARM ASSEMBLY AND POLE 46'	E-36"DIA.-15'
P9	500+27.5	50.5' LT	PEDESTRIAN PUSH-BUTTON POST	(SEE DETAIL)
P10	500+46.0	40.0' LT	TRAFFIC SIGNAL POST, 16'	A
P11	500+44.2	51.3' LT	STEEL COMB. MAST ARM ASSEMBLY AND POLE 46'	E-36"DIA.-15'
P12	500+74.0	50.0' RT	STEEL COMB. MAST ARM ASSEMBLY AND POLE 46'	E-36"DIA.-15'
P13	500+43.8	42.3' RT	TRAFFIC SIGNAL POST, 10'	A
P14	500+26.6	50.8' RT	PEDESTRIAN PUSH-BUTTON POST	(SEE DETAIL)
P15	500+23.3	54.4' RT	LIGHT POLE (SEE ROADWAY LIGHTING PLANS)	(SEE DETAIL)
P16	500+42.0	60.0' RT	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	C

- NOTES:
1. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTING THE CONCRETE FOUNDATIONS.
 2. EXCAVATIONS ADJACENT TO CONCRETE FOUNDATIONS SHALL BE BACKFILLED PRIOR TO CONSTRUCTING THE FOUNDATIONS AS DIRECTED BY THE ENGINEER. TRENCH BACKFILL MATERIAL OR CONTROLLED LOW STRENGTH MATERIAL SHALL BE BLOCKED OUT AT THE FOUNDATION LOCATIONS TO ALLOW FOR THEIR LATER CONSTRUCTION.
 3. THE CONTRACTOR SHALL VERIFY THE LOCATION OF GULFBOX H5 TO INTERCEPT THE EXISTING SERVICE CONDUIT.
 4. 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 AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL), AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
 5. THE CONTRACTOR SHALL REMOVE THE EXISTING MAST ARM MOUNTED STREET NAME SIGNS, "NO TURN ON RED" SIGNS, AND FOLDING "STOP" SIGNS FROM THE EXISTING TRAFFIC SIGNAL EQUIPMENT AND RETURN THEM TO THE CITY OF URBANA. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE VARIOUS REMOVAL PAY ITEMS, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.



DETECTOR LOOP DATA				
NO.	STATION	OFFSET	SIZE	NO. OF TURNS
11	500+69.0	3.5' LT	6' x 6'	4
12	500+54.0	3.5' LT	6' x 6'	4
21	497+58.0	25.5' RT	6' x 6'	5
22	497+58.0	14.0' RT	6' x 6'	5
31	32+27.5	3.5' LT	6' x 6'	4
32	32+42.5	3.5' LT	6' x 6'	4
41	33+82.5	14.8' LT	6' x 6'	4
42	33+67.5	14.8' LT	6' x 6'	4
43	33+62.5	23.0' LT	2' x 6' * QUADRIPOLE	6 *
51	499+31.0	3.5' RT	6' x 6'	4
52	499+46.0	3.5' RT	6' x 6'	4
61	502+42.0	25.5' LT	6' x 6'	5
62	502+42.0	14.0' LT	6' x 6'	5
71	33+77.5	4.0' LT	6' x 6'	5
72	33+62.5	4.0' LT	6' x 6'	5
81	32+27.5	7.3' RT	6' x 6'	4
82	32+42.5	7.3' RT	6' x 6'	4
83	32+42.5	15.5' RT	2' x 6' * QUADRIPOLE	6 *

KEY NOTES

1. STA. 33+02.76 (€ GOODWIN AVE.) = STA. 500+00.00 (€ GREEN ST.)
2. INTERCEPT EXISTING 1/4" CONDUIT
3. INSTALL LUMINAIRE ARM PERPENDICULAR TO TRAFFIC SIGNAL MAST ARM
4. PROVIDE 1" SCH. 80 PVC CONDUIT FROM METER SOCKET TO DOUBLE HANDHOLE FOR SERVICE INSTALLATION (SPECIAL)

HANDHOLE AND GULFBOX JUNCTION DATA				
NO.	STATION	OFFSET	DESCRIPTION	
H1	499+71.1	64.8' LT	GULFBOX JUNCTION, CC	
H2	499+53.0	49.5' LT	HANDHOLE, PCC	
H3	497+63.0	34.0' RT	GULFBOX JUNCTION, CC	
H4	499+38.5	34.0' RT	GULFBOX JUNCTION, CC	
H5	499+54.0	54.0' RT	GULFBOX JUNCTION, CC	
H6	499+51.0	51.0' RT	HANDHOLE, PCC	
H7	502+37.0	41.0' LT	GULFBOX JUNCTION, CC	
H8	500+62.5	40.0' LT	GULFBOX JUNCTION, CC	
H9	500+25.0	62.0' LT	HANDHOLE, PCC	
H10	500+21.2	68.8' RT	GULFBOX JUNCTION, CC	
H11	500+39.2	57.2' RT	DOUBLE HANDHOLE, PCC	

TRAFFIC SIGNAL LEGEND

.....	CONDUIT BORED AND PULLED (A) (PE = POLYETHYLENE DUCT)	⚠	EMERGENCY VEHICLE PREEMPTION DETECTOR
---	CONDUIT IN TRENCH (T)	ⓧ	HANDHOLE, PORTLAND CEMENT CONCRETE
●	STEEL COMB. MAST ARM ASSEMBLY AND POLE	ⓧ	DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE
○	SIGNAL POST	⊙	GULFBOX JUNCTION
➔	SIGNAL HEAD	⊙	LUMINAIRE AND MAST ARM (SEE ROADWAY LIGHTING PLANS)
➔	SIGNAL HEAD WITH BACKPLATE	⊙	LIGHT POLE (SEE ROADWAY LIGHTING PLANS)
⊙	PEDESTRIAN SIGNAL HEAD	ⓧ	JUNCTION BOX (SEE ROADWAY LIGHTING PLANS)
⊙	PEDESTRIAN PUSH-BUTTON POST	ⓧ	OR
⊙	ACCESSIBLE PEDESTRIAN SIGNALS	ⓧ	CONDUIT AUGERED (SEE ROADWAY LIGHTING PLANS)
ⓧ	CONTROLLER AND CABINET	ⓧ	CONDUIT IN TRENCH (SEE ROADWAY LIGHTING PLANS)
ⓧ	DETECTOR LOOP, TYPE I		
ⓧ	SERVICE INSTALLATION		
ⓧ	CONFIRMATION BEACON		

* OR AS OTHERWISE DIRECTED BY THE ENGINEER

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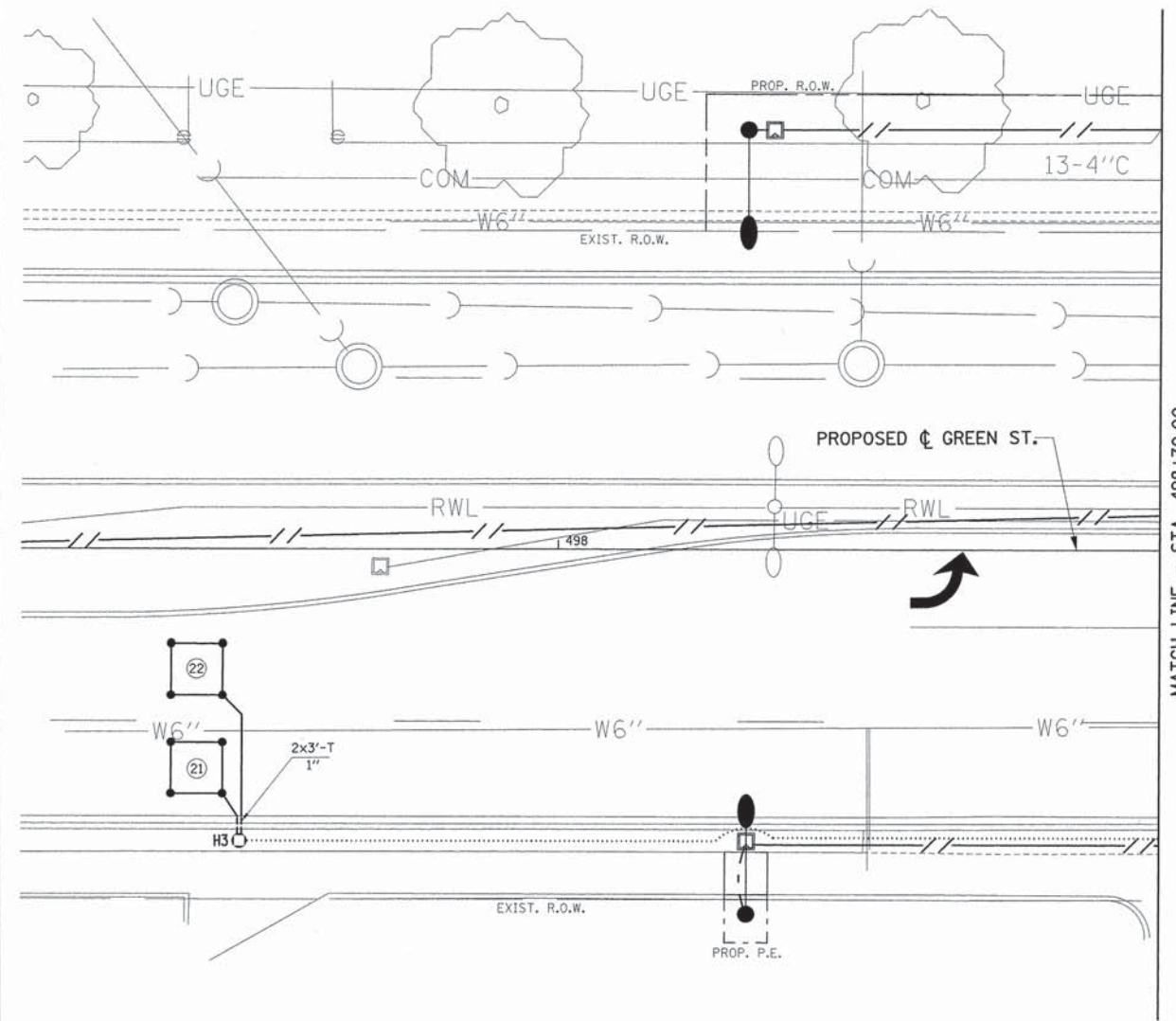
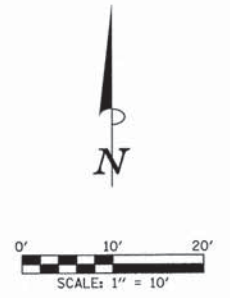
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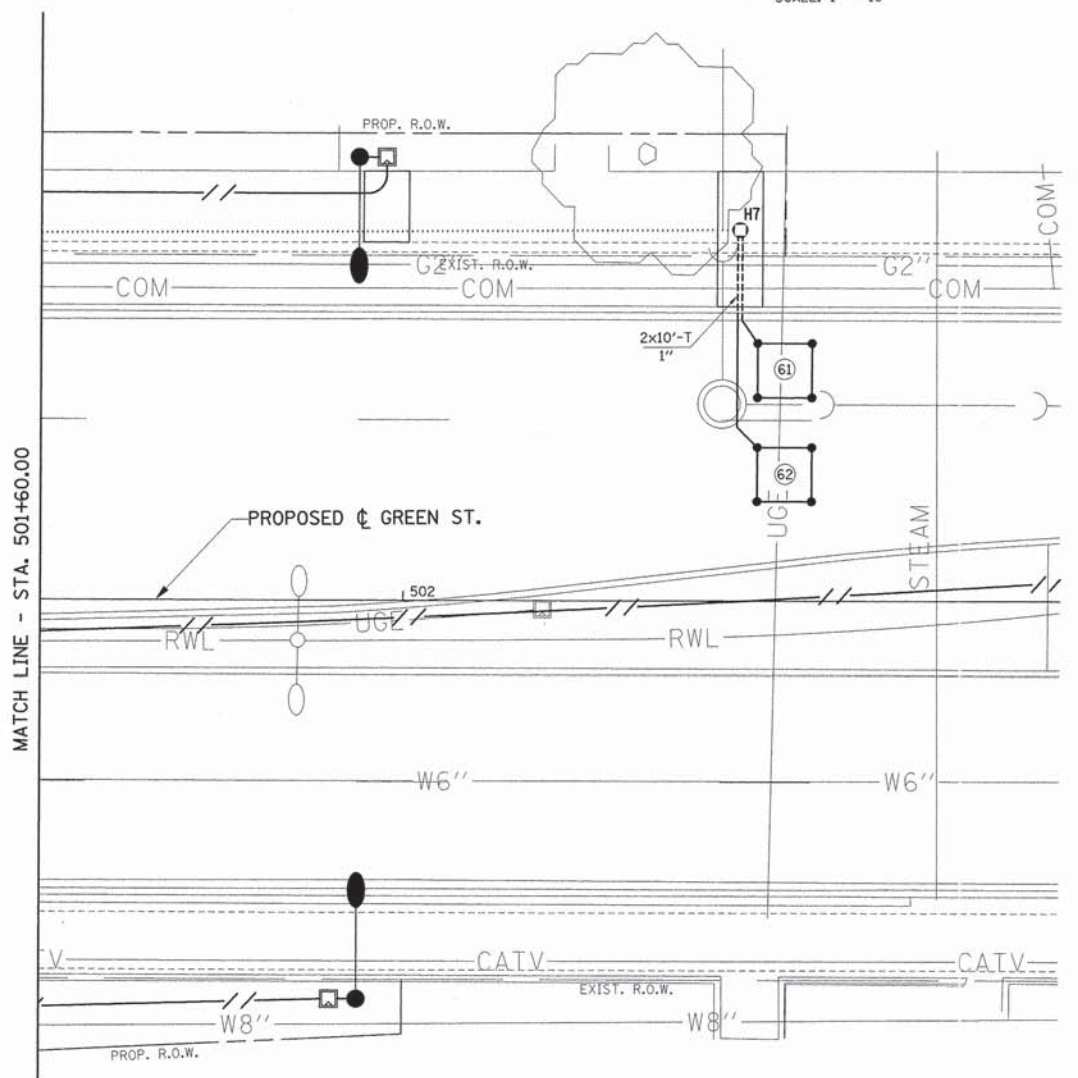
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GOODWIN AVENUE & GREEN STREET
TRAFFIC SIGNAL PLANS
TRAFFIC SIGNAL LAYOUT

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	12-00518-00-TL	CHAMPAIGN	31	19
GOODWIN AVENUE		CONTRACT NO. 91483		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



MATCH LINE - STA. 498+70.00



MATCH LINE - STA. 501+60.00

TRAFFIC SIGNAL LEGEND

- | | | | |
|-------|--|--------|--|
| | CONDUIT BORED AND PULLED (A)
(PE = POLYETHYLENE DUCT) | ◀ | EMERGENCY VEHICLE
PREEMPTION DETECTOR |
| --- | CONDUIT IN TRENCH (T) | ◻ | HANDHOLE, PORTLAND
CEMENT CONCRETE |
| ● | STEEL COMB. MAST ARM ASSEMBLY AND POLE | ◻/◻ | DOUBLE HANDHOLE, PORTLAND
CEMENT CONCRETE |
| ● | SIGNAL POST | ○ | GULFBOX JUNCTION |
| ▶ | SIGNAL HEAD | ◻ | LUMINAIRE AND MAST ARM
(SEE ROADWAY LIGHTING PLANS) |
| ▶ | SIGNAL HEAD WITH BACKPLATE | ◻ | LIGHT POLE
(SEE ROADWAY LIGHTING PLANS) |
| ▶ | PEDESTRIAN SIGNAL HEAD | ◻ OR ◻ | JUNCTION BOX
(SEE ROADWAY LIGHTING PLANS) |
| ● | PEDESTRIAN PUSH-BUTTON POST | --- | CONDUIT AUGERED
(SEE ROADWAY LIGHTING PLANS) |
| ⊙ | ACCESSIBLE PEDESTRIAN SIGNALS | --- | CONDUIT IN TRENCH
(SEE ROADWAY LIGHTING PLANS) |
| ◻ | CONTROLLER AND CABINET | | |
| ◻ | DETECTOR LOOP, TYPE I | | |
| ⊕ | SERVICE INSTALLATION | | |
| ⊕ | CONFIRMATION BEACON | | |

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DESIGNED - A.E.A./J.A.J.	REVISED -
DRAWN - A.E.A.	REVISED -
CHECKED - S.M.W.	REVISED -
DATE - 04/2013	REVISED -

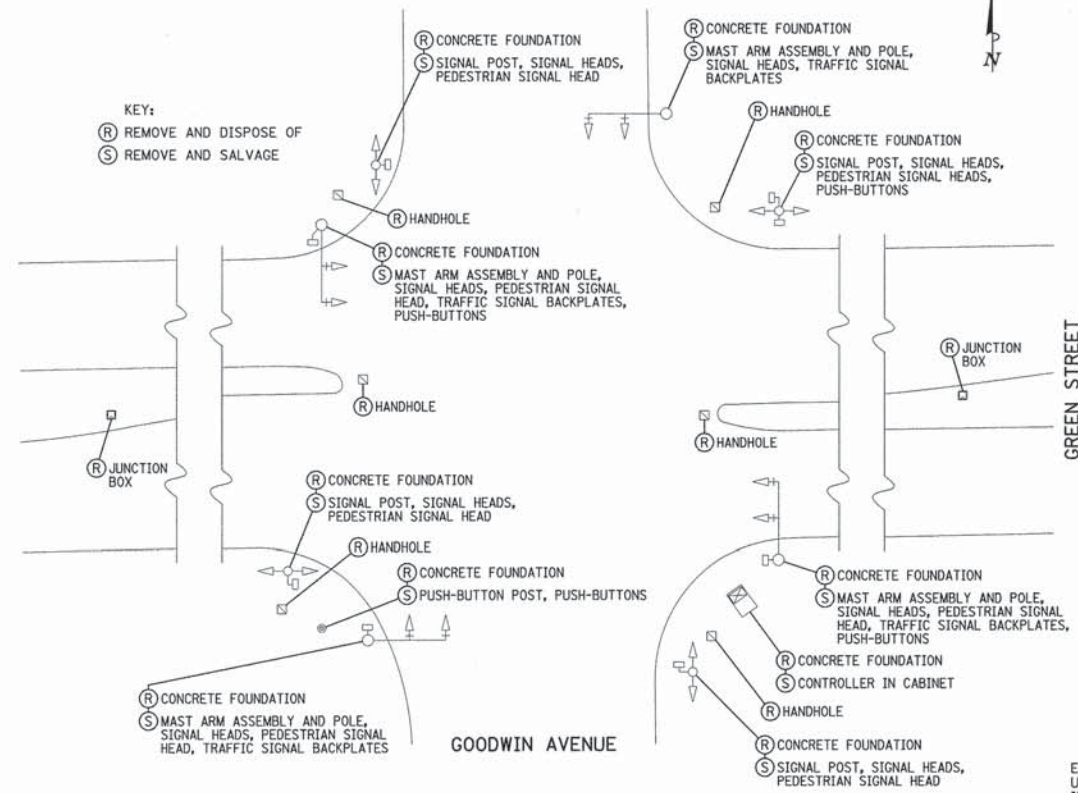
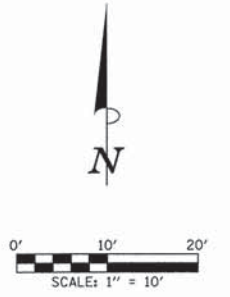
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**GOODWIN AVENUE & GREEN STREET
TRAFFIC SIGNAL PLANS
TRAFFIC SIGNAL LAYOUT**

SCALE: 1"=10' SHEET NO. 20 OF 31 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	12-00518-00-TL	CHAMPAIGN	31	20
GOODWIN AVENUE		CONTRACT NO. 91483		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

MATCH LINE - STA. 32+15.00



EXISTING TRAFFIC SIGNAL EQUIPMENT TO BE REMOVED
NOT TO SCALE

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	4
PEDESTRIAN PUSH-BUTTON POST	EACH	1
MAST ARM ASSEMBLY AND POLE	EACH	4
TRAFFIC SIGNAL BACKPLATE	EACH	8
SIGNAL HEAD	EACH	16
PEDESTRIAN SIGNAL HEAD	EACH	8
PEDESTRIAN PUSH-BUTTON	EACH	8

THIS WORK SHALL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE OF REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT, SPECIAL. REMOVAL OF INDIVIDUAL ITEMS WILL NOT BE PAID FOR SEPARATELY.

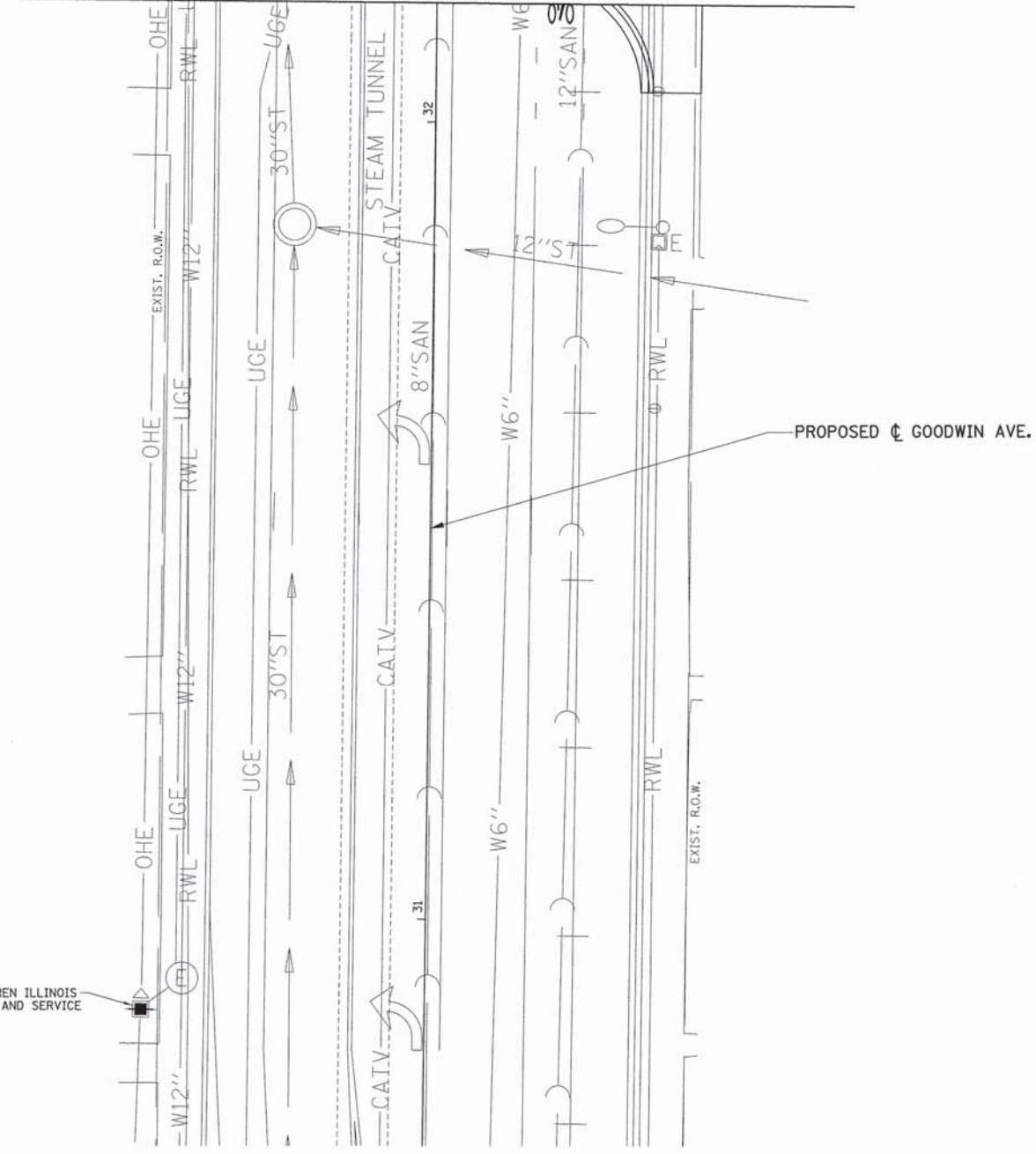
B. THE CONTRACTOR SHALL REMOVE THE FOLLOWING EXISTING TRAFFIC SIGNAL ITEMS AND DISPOSE OF THEM IN ACCORDANCE WITH THE CONTRACT DOCUMENTS:

ITEM	UNIT	QUANTITY
HANDHOLE	EACH	6
CONCRETE FOUNDATION	EACH	10
JUNCTION BOX	EACH	2

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

C. THE CONTRACTOR SHALL REMOVE EXISTING ELECTRIC CABLES AS SHOWN ON THE PLANS OR OTHERWISE DIRECTED BY THE ENGINEER AND DISPOSE OF THEM 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 SHALL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE OF REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT, SPECIAL. REMOVAL OF INDIVIDUAL CABLES WILL NOT BE PAID FOR SEPARATELY.

EXISTING AMEREN ILLINOIS UTILITY POLE AND SERVICE INSTALLATION



TRAFFIC SIGNAL LEGEND

.....	CONDUIT BORED AND PULLED (A) (PE = POLYETHYLENE DUCT)	◄	EMERGENCY VEHICLE PREEMPTION DETECTOR
-----	CONDUIT IN TRENCH (T)	◻	HANDHOLE, PORTLAND CEMENT CONCRETE
●	STEEL COMB. MAST ARM ASSEMBLY AND POLE	◻	DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE
●	SIGNAL POST	○	GULFBOX JUNCTION
→	SIGNAL HEAD	○	LUMINAIRE AND MAST ARM (SEE ROADWAY LIGHTING PLANS)
→	SIGNAL HEAD WITH BACKPLATE	○	LIGHT POLE (SEE ROADWAY LIGHTING PLANS)
→	PEDESTRIAN SIGNAL HEAD	◻ OR ◻	JUNCTION BOX (SEE ROADWAY LIGHTING PLANS)
→	PEDESTRIAN PUSH-BUTTON POST	—	CONDUIT AUGERED (SEE ROADWAY LIGHTING PLANS)
⊙	ACCESSIBLE PEDESTRIAN SIGNALS	---	CONDUIT IN TRENCH (SEE ROADWAY LIGHTING PLANS)
◻	CONTROLLER AND CABINET		
◻	DETECTOR LOOP, TYPE I		
⊕	SERVICE INSTALLATION		
⊕	CONFIRMATION BEACON		

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GOODWIN AVENUE & GREEN STREET
TRAFFIC SIGNAL PLANS
TRAFFIC SIGNAL LAYOUT

SCALE : 1"=10' SHEET NO. 21 OF 31 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	12-00518-00-TL	CHAMPAIGN	31	21
GOODWIN AVENUE		CONTRACT NO. 91483		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

BILL OF MATERIALS

ITEM	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	43
SIGN PANEL - TYPE 2	SQ FT	50
UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	80
UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	2
UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	111
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	206
UNDERGROUND CONDUIT, PVC, 2 1/2" DIA.	FOOT	95
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	220
UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	87
UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/2"	FOOT	350
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	3
DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1
GULFBOX JUNCTION, COMPOSITE CONCRETE	EACH	7
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
UNINTERRUPTIBLE POWER SUPPLY, STANDARD	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 2C	FOOT	1750
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3C	FOOT	150
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C	FOOT	990
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7C	FOOT	2150
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 3 PAIR	FOOT	1660
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 3 1C	FOOT	785
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	660
TRAFFIC SIGNAL POST, 10 FT.	EACH	3
TRAFFIC SIGNAL POST, 16 FT.	EACH	2
PEDESTRIAN PUSH-BUTTON POST, TYPE I	EACH	4
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT.	EACH	4
CONCRETE FOUNDATION, TYPE A	FOOT	15
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	60
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	6
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	2
SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, BRACKET MOUNTED	EACH	8
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	10
TRAFFIC SIGNAL BACKPLATE	FOOT	705
DETECTOR LOOP, TYPE I	EACH	2
LIGHT DETECTOR	EACH	1
LIGHT DETECTOR AMPLIFIER	EACH	6
REMOVE EXISTING HANDHOLE	EACH	10
REMOVE EXISTING CONCRETE FOUNDATION	EACH	1
SERVICE INSTALLATION (SPECIAL)	EACH	2
REMOVE EXISTING JUNCTION BOX	FOOT	490
ELECTRIC CABLE IN CONDUIT, NO. 20 3C, TWISTED, SHIELDED	EACH	8
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
VIBROTACTILE FEATURE	EACH	10
INDUCTIVE LOOP DETECTOR, RACK MOUNTED	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT, SPECIAL	L SUM	1

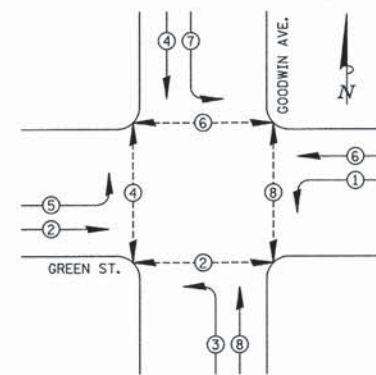
SEE SPECIAL PROVISIONS FOR SYSTEM GROUNDING INFORMATION

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) UNLESS OTHERWISE SHOWN ON THE PLANS.
3. BRACKET MOUNTED SIGNAL HEADS MOUNTED TO A LIGHT POLE SHALL BE MOUNTED WITH BLACK POLYCARBONATE BRACKETS FASTENED TO THE LIGHT POLE WITH BLACK STAINLESS STEEL BANDING. THE TOP BRACKET SHALL BE SHIMMED AS REQUIRED FOR THE INSTALLATION.
4. COMBINATION MAST ARM ASSEMBLIES SHALL BE FURNISHED WITH 15-FOOT LUMINAIRE ARMS WITH A MOUNTED LUMINAIRE HEIGHT OF 35 FEET.
5. 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.
6. 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.
7. ACCESSIBLE PEDESTRIAN SIGNALS SHALL BE THE POLARA NAVIGATOR SYSTEM OR APPROVED EQUIVALENT.
8. THE LUMINAIRE ARM, LUMINAIRE POLE WIRING, LUMINAIRE, AND PHOTOCCELL SHALL BE ERECTED WITH THE TRAFFIC SIGNAL MAST ARM POLE.
9. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
10. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR UNCOVERING OR HAND DIGGING AROUND UTILITIES.
11. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PLACING CONDUIT AT GREATER THAN 2 FOOT DEPTH.
12. A 1/2" 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.
13. ALL ADAPTERS REQUIRED TO CONNECT THE PROPOSED CONDUIT TO THE EXISTING CONDUIT SHALL BE INCLUDED IN THE COST OF THE RESPECTIVE CONDUIT PAY ITEM.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ELECTRICAL SERVICE FOR THE TRAFFIC SIGNALS AND SHALL CONTACT THE UTILITY COMPANY AND THE CITY OF URBANA PRIOR TO COMMENCEMENT OF WORK FOR THE REQUIREMENTS FOR THE SERVICE INSTALLATION.
15. THE TRAFFIC SIGNAL CONTROLLER SHALL BE ORIENTED SUCH THAT INTERSECTION OPERATION AND CONTROLLER COMPONENTS CAN BE VIEWED SIMULTANEOUSLY.
16. CONTROLLER PROGRAMMING OF SIGNAL TIMING WILL BE PROVIDED BY THE CITY OF URBANA.
17. THE CONFIRMATION BEACON SHALL BE INCLUDED IN THE COST OF THE LIGHT DETECTOR.
18. 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.
19. 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 OR ON THE SAME QUADRANT WILL BE COMBINED ON A SINGLE SEVEN CONDUCTOR CABLE. SPLICES WILL BE MADE AT THE POLE HANDHOLE OR CONCRETE HANDHOLE WITH INDIVIDUAL CABLES RUNNING FROM THE SPLICE TO EACH SIGNAL HEAD OR PEDESTRIAN SIGNAL HEAD. WATERPROOF CABLE SPLICES SHALL BE ACCORDING TO ARTICLE 873.03 OF THE STANDARD SPECIFICATIONS.
20. THE CONCRETE FOUNDATION FOR THE PEDESTRIAN PUSH-BUTTON POST SHALL BE INCLUDED IN THE COST OF THE PEDESTRIAN PUSH-BUTTON POST.
21. DETECTOR LOOPS SHALL BE INSTALLED AFTER CONSTRUCTION OF THE HMA SURFACE COURSE.
22. DISTURBED AREAS AROUND PROPOSED CONCRETE FOUNDATIONS SHALL BE BACKFILLED WITH CONTROLLED LOW-STRENGTH MATERIAL UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE COST OF THE CONCRETE FOUNDATION, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

PROPOSED SIGN LOCATIONS

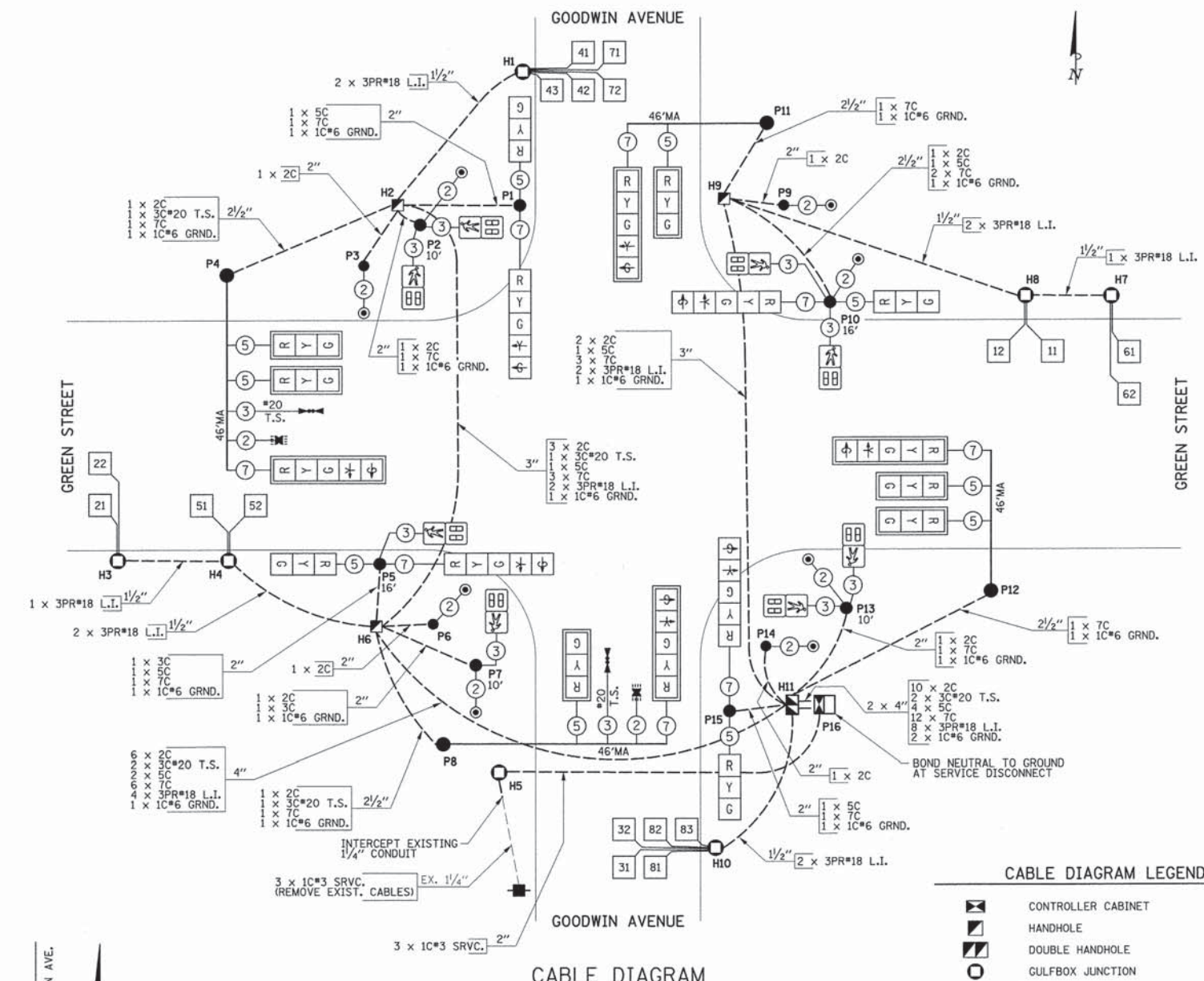
NO.	DESCRIPTION
P1	R10-11, R10-22
P4	R10-11, D3-1 (GOODWIN)
P5	R10-11
P8	R10-11, D3-1 (GREEN)
P10	R10-11
P11	R10-11, D3-1 (GREEN)
P12	R10-11, D3-1 (GOODWIN)
P15	R10-11, R10-22



PHASE DESIGNATION DIAGRAM

PHASE DESIGNATION DIAGRAM LEGEND

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



CABLE DIAGRAM

DETECTOR LOOP DATA

NO.	SIZE	MODE	NO.	SIZE	MODE
11	6' x 6'	PRESENCE	51	6' x 6'	PRESENCE
12	6' x 6'	PRESENCE	52	6' x 6'	PRESENCE
21	6' x 6'	PULSE	61	6' x 6'	PULSE
22	6' x 6'	PULSE	62	6' x 6'	PULSE
31	6' x 6'	PRESENCE	71	6' x 6'	PRESENCE
32	6' x 6'	PRESENCE	72	6' x 6'	PRESENCE
41	6' x 6'	PRESENCE	81	6' x 6'	PRESENCE
42	6' x 6'	PRESENCE	82	6' x 6'	PRESENCE
43	2' x 6' QUADRUPOLE	PRESENCE	83	2' x 6' QUADRUPOLE	PRESENCE

THE FOLLOWING LOOPS SHALL BE WIRED TO COMMON AMPLIFIERS: (11,12) (21,22) (31,32) (41,42) (43) (51,52) (61,62) (71,72) (81,82) (83) = 10 AMPLIFIERS REQUIRED.

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

QUADRUPOLE LOOPS SHALL BE USED IN BIKE LANES AS SHOWN ON THE PLANS UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THE 6' DIMENSION SHALL BE THE LENGTH OF THE LOOP IN THE DIRECTION OF TRAVEL. THE 2' DIMENSION SHALL BE THE OVERALL WIDTH OF THE LOOP ACROSS THE BIKE LANE.

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.

EACH BIKE LANE LOOP SHALL USE THE REMAINING PAIR OF THE 3 PAIR LEAD-IN CABLE FOR THE ADJACENT VEHICLE LANE LOOPS BUT SHALL BE WIRED TO ITS OWN AMPLIFIER.

CABLE DIAGRAM LEGEND

- CONTROLLER CABINET
- HANDHOLE
- DOUBLE HANDHOLE
- GULFBOX JUNCTION
- MAST ARM POLE, SIGNAL POST, PUSH-BUTTON POST, OR LIGHT POLE
- ELECTRIC CABLE IN CONDUIT
- SIGNAL FACE
- SIGNAL FACE AND BACKPLATE
- ACCESSIBLE PEDESTRIAN SIGNALS
- PEDESTRIAN SIGNAL FACE
- CONFIRMATION BEACON
- EMERGENCY VEHICLE PREEMPTION DETECTOR
- SERVICE INSTALLATION
- DETECTOR LOOP, TYPE I (WITH LOOP NO.)
- 3 DENOTES NUMBER OF CONDUCTORS ALL CABLE #14 EXCEPT AS INDICATED
- L.I. LEAD-IN CABLE (TWISTED, SHIELDED)
- T.S. TWISTED, SHIELDED
- SRVC. SERVICE CABLE
- GRND. GROUNDING CABLE (GREEN)
- NUMBER OF CABLES IN CONDUIT
- NUMBER OF CONDUCTORS IN EACH CABLE
- CONDUIT SIZE

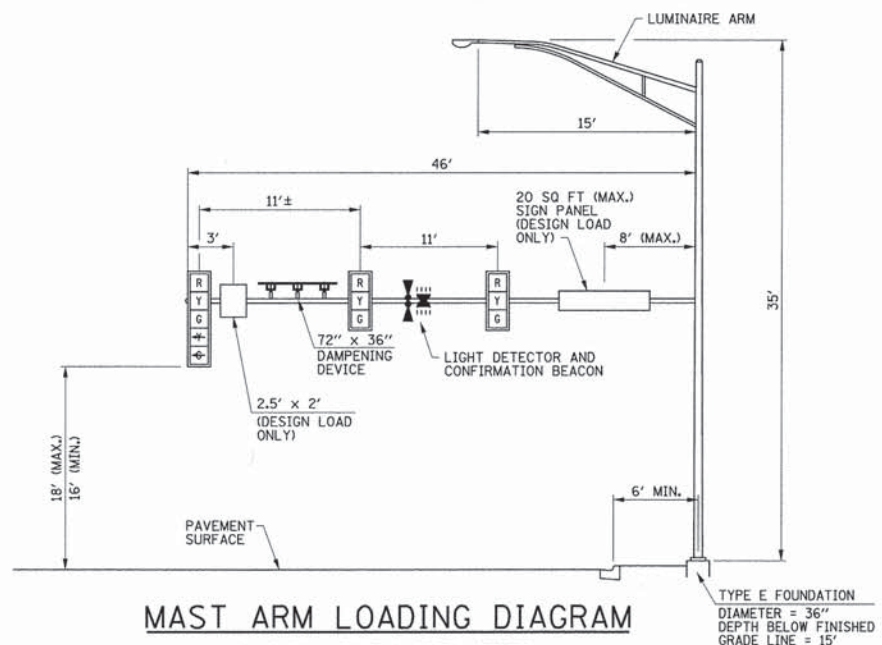
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DESIGNED - A.E.A./J.A.J.
 DRAWN - A.E.A.
 CHECKED - S.M.W.
 DATE - 04/2013

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

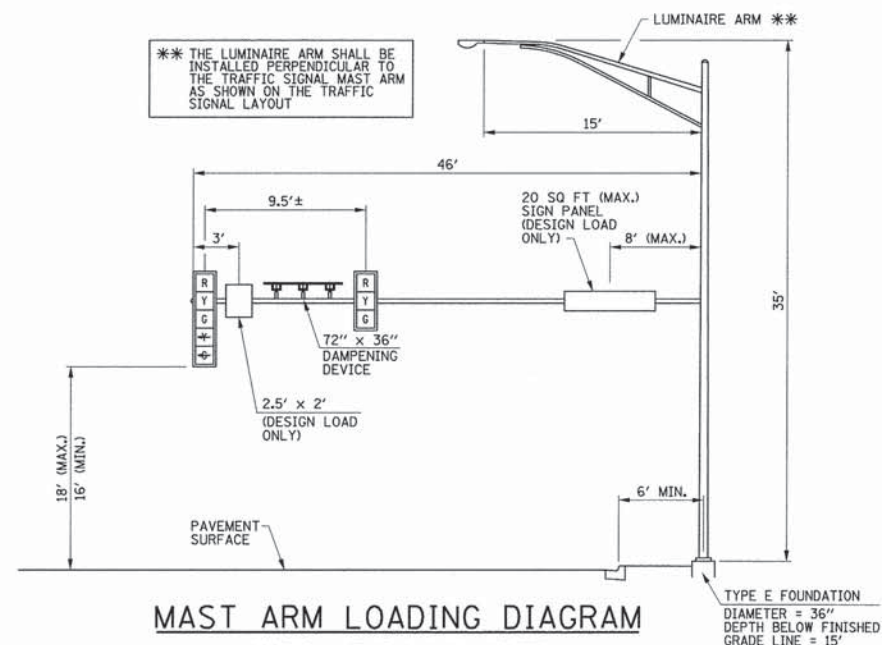
GOODWIN AVENUE & GREEN STREET
TRAFFIC SIGNAL PLANS
 CABLE AND PHASE DESIGNATION DIAGRAMS / GENERAL NOTES / BILL OF MATERIALS
 SCALE: NONE SHEET NO. 22 OF 31 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	12-00518-00-TL	CHAMPAIGN	31	22
GOODWIN AVENUE		CONTRACT NO. 91483		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



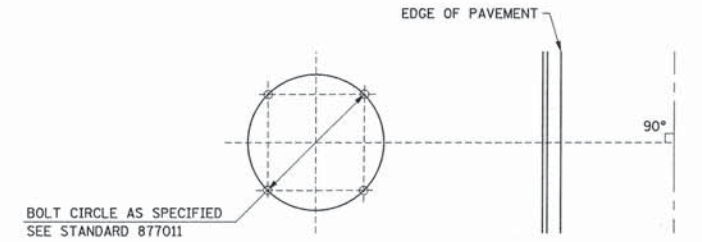
MAST ARM LOADING DIAGRAM

GOODWIN AVENUE & GREEN STREET
NORTHWEST QUADRANT (LOOKING WEST)
MAST ARM NO. P4



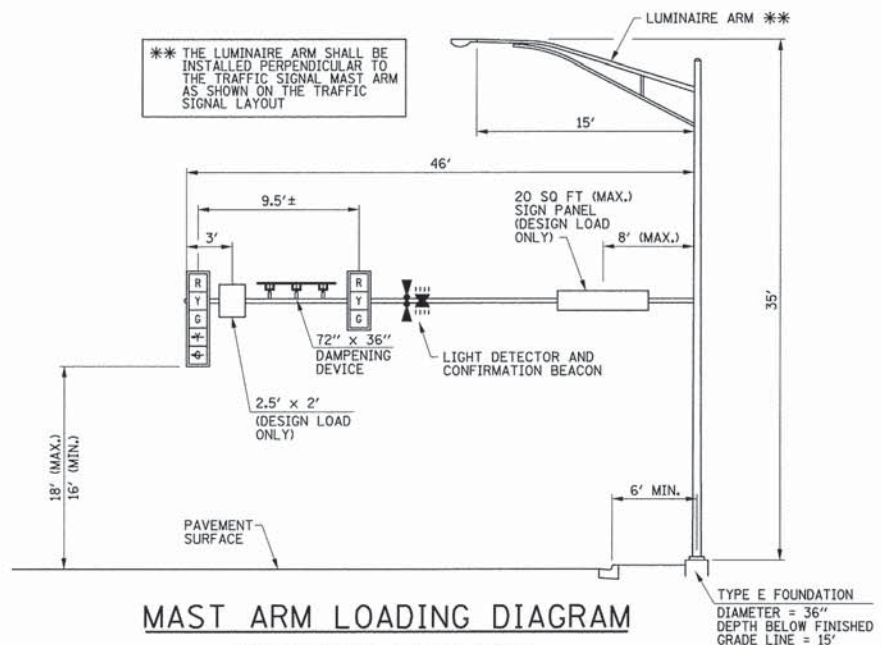
MAST ARM LOADING DIAGRAM

GOODWIN AVENUE & GREEN STREET
NORTHEAST QUADRANT (LOOKING NORTH)
MAST ARM NO. P11



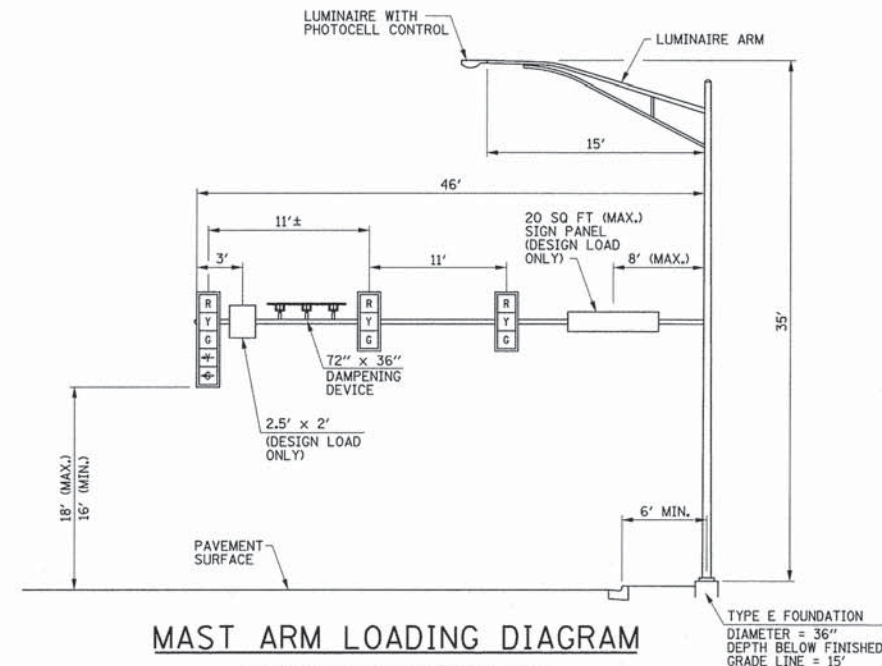
MAST ARM FOUNDATION BOLT PATTERN DETAIL

ORIENTATION OF ANCHOR BOLTS TO BE FIELD VERIFIED



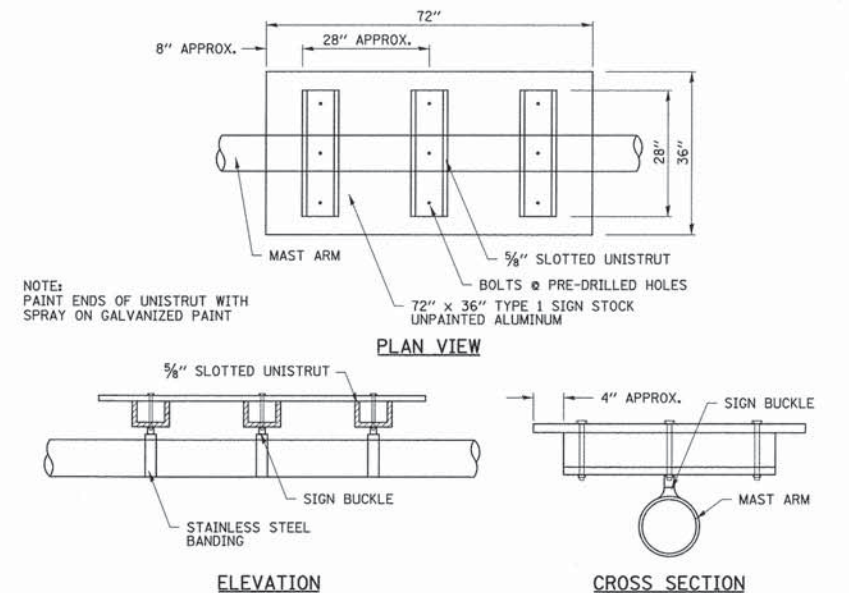
MAST ARM LOADING DIAGRAM

GOODWIN AVENUE & GREEN STREET
SOUTHWEST QUADRANT (LOOKING SOUTH)
MAST ARM NO. P8



MAST ARM LOADING DIAGRAM

GOODWIN AVENUE & GREEN STREET
SOUTHEAST QUADRANT (LOOKING EAST)
MAST ARM NO. P12



MAST ARM MOUNTED DAMPENING DEVICE DETAIL

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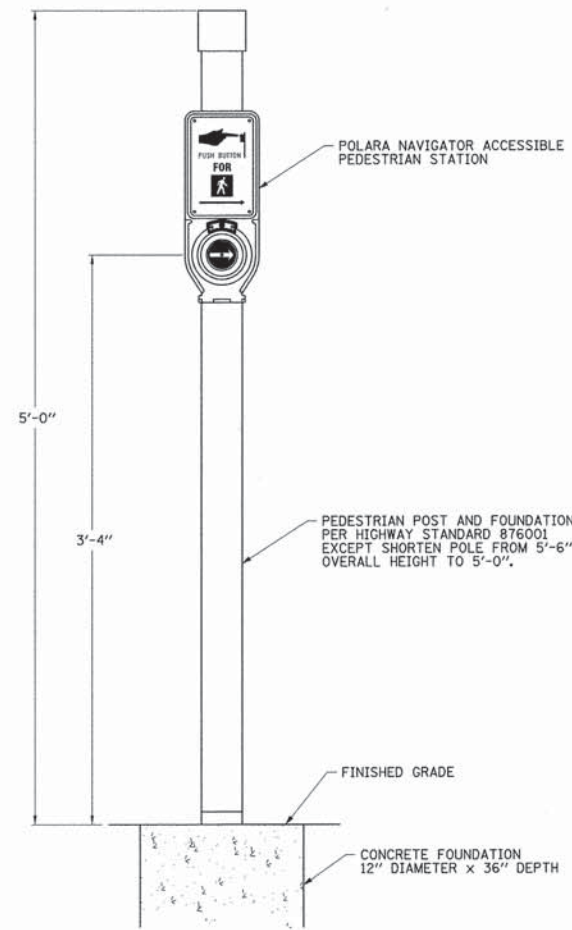
DESIGNED - A.E.A./J.A.J.	REVISED -
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CHECKED - S.M.W.	REVISED -
DATE - 04/2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

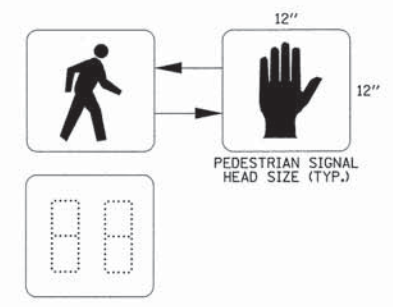
GOODWIN AVENUE & GREEN STREET
TRAFFIC SIGNAL PLANS
TRAFFIC SIGNAL DETAILS

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	12-00518-00-TL	CHAMPAIGN	31	23
GOODWIN AVENUE		CONTRACT NO. 91483		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

SCALE : NONE SHEET NO. 23 OF 31 SHEETS STA. TO STA.



PEDESTRIAN PUSH-BUTTON POST DETAIL

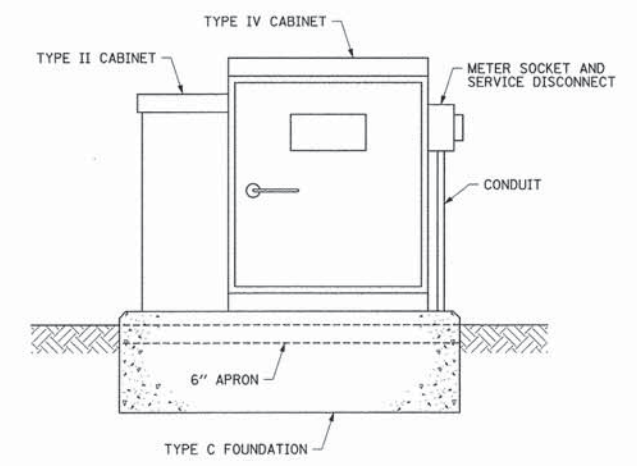


PEDESTRIAN COUNTDOWN SIGNAL DISPLAY DETAIL

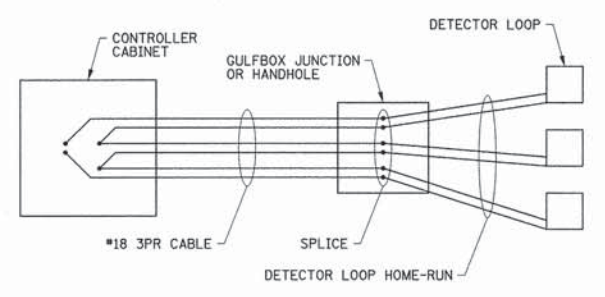


THE PEDESTRIAN PUSH-BUTTON SIGNS SHALL BE INCLUDED IN THE COST OF THE ACCESSIBLE PEDESTRIAN SIGNALS.

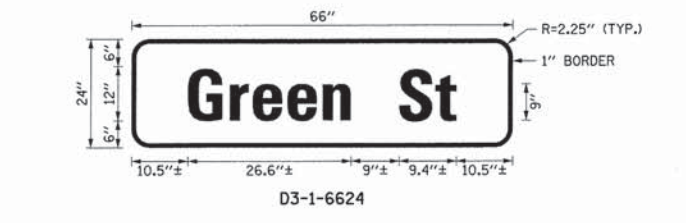
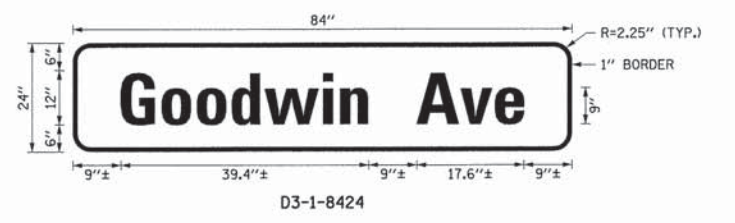
PEDESTRIAN PUSH-BUTTON SIGN DETAIL



UPS BATTERY CABINET MOUNTING DETAIL



DETECTOR LOOP WIRING DETAIL
WIRED IN SERIES WITH MULTI-PAIR CABLE



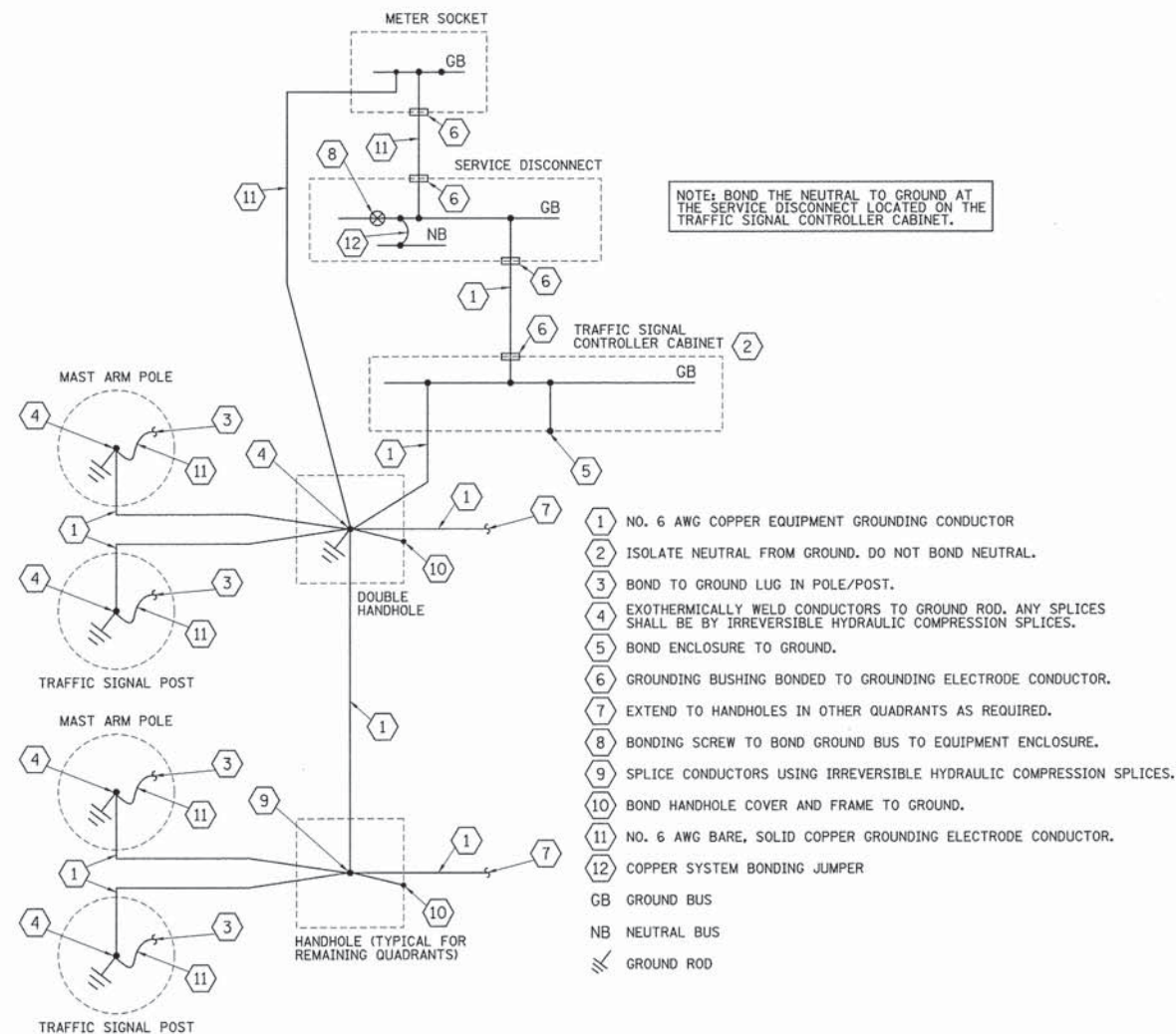
MAST ARM MOUNTED STREET NAME SIGN DETAILS

TEXT: 12" UPPERCASE, 9" LOWERCASE, SERIES B
TYPE A SHEETING REQUIRED
COLORS:
LEGEND: WHITE (RETROREFLECTIVE)
BORDER: WHITE (RETROREFLECTIVE)
BACKGROUND: GREEN (RETROREFLECTIVE)



REGULATORY SIGN DETAILS

FILE NAME = p:\U0070070_Urbana - Goodwin Green TCSP\Plans\sheet\12 traffic signals.dgn	DESIGNED - A.E.A./J.A.J.	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GOODWIN AVENUE & GREEN STREET TRAFFIC SIGNAL PLANS TRAFFIC SIGNAL DETAILS		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - A.E.A.	REVISED -		SCALE : NONE	SHEET NO. 24 OF 31 SHEETS	STA.	TO STA.	7175	12-00518-00-TL	CHAMPAIGN
PLOT DATE = 4/22/2013 8:57:36 PM	CHECKED - S.M.W.	REVISED -				GOODWIN AVENUE		CONTRACT NO. 91483		
	DATE - 04/2013	REVISED -				FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

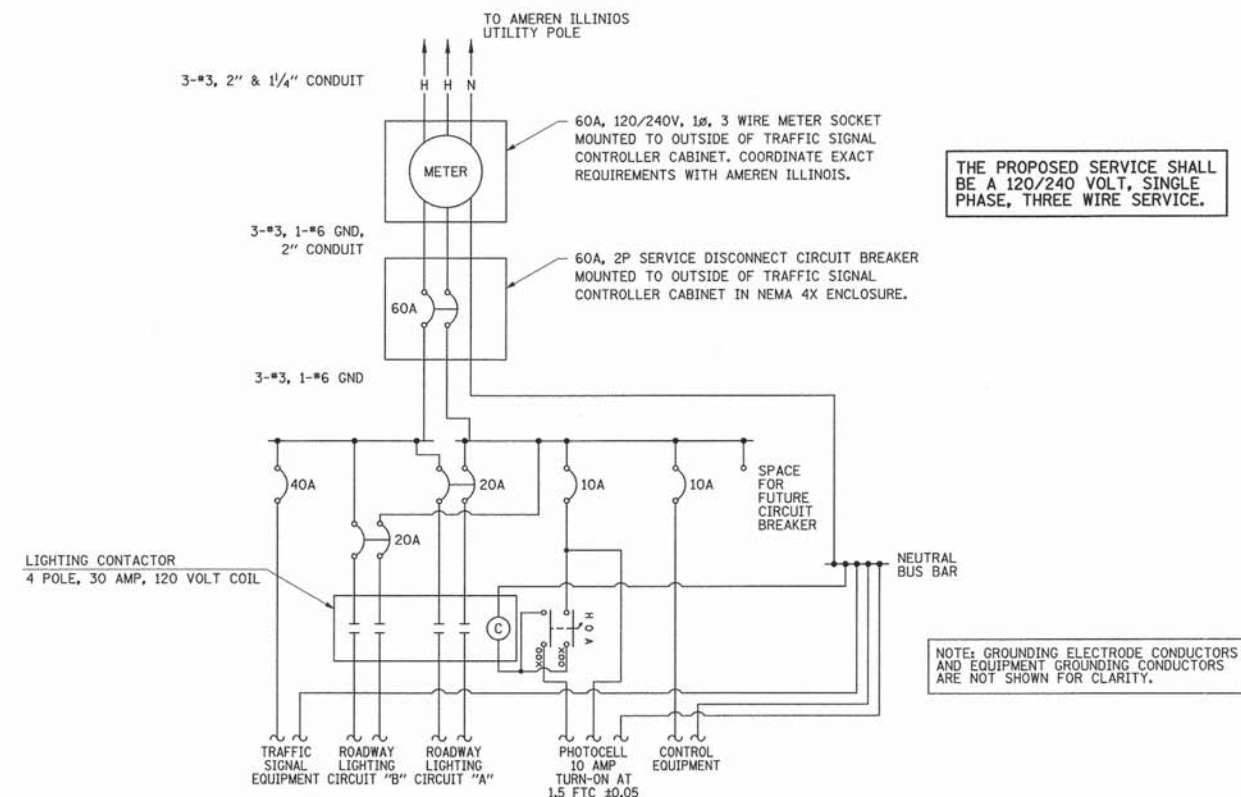


TRAFFIC SIGNAL GROUNDING DIAGRAM

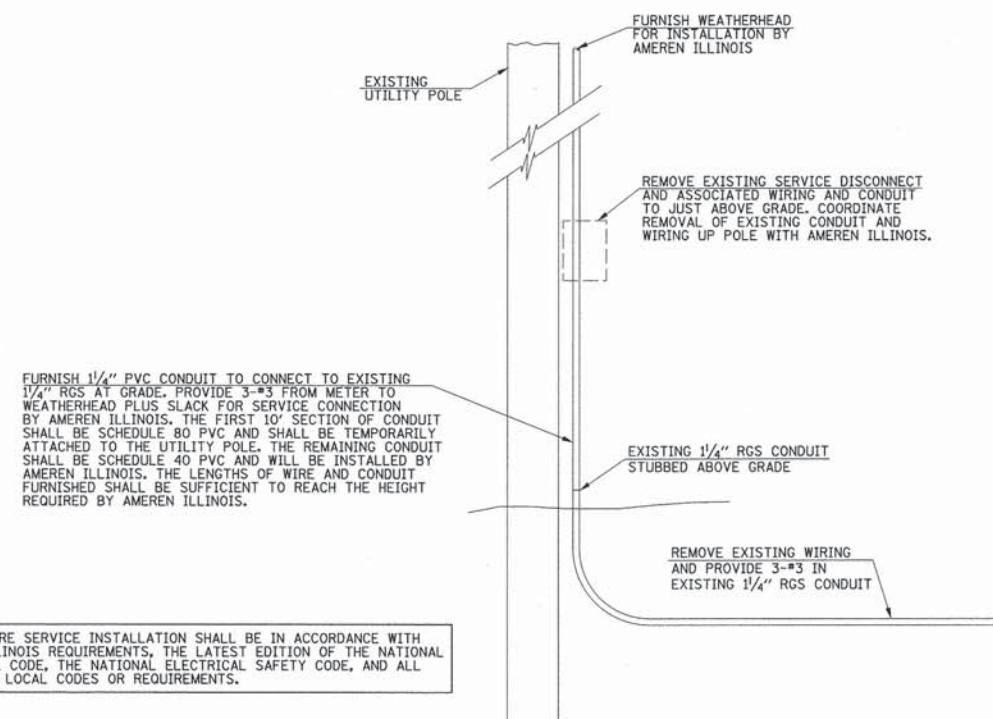
ALL WIRES SHALL BE NO. 6 AWG STRANDED COPPER CONDUCTORS WITH XLP INSULATION UNLESS OTHERWISE INDICATED. THE INSULATION COLOR SHALL BE GREEN.

PANELBOARD		TRAFFIC SIGNAL		MAIN		M.L.O.		LOCATION: 500+42.0. 60.0' RT			
VOLTAGE		120/240		BUS RATING		60 AMPS					
PHASE/WIRE		1PH/3W		MOUNTING		INTERIOR ONLY					
DESCRIPTION	CKT. NO.	LOAD (VA)	AMPS/POLES	CKT. BKR.	CKT. BKR.	AMPS/POLES	LOAD (VA)	CKT. NO.	DESCRIPTION		
TRAFFIC SIGNAL EQUIPMENT	1	3500	40/1			20/2	610	2	STREET LIGHTING CIRCUIT B		
CONTROL EQUIPMENT	3	800	10/1			10/1	300	6	PHOTOCELL		
STREET LIGHTING CIRCUIT A	5	535	20/2					8	SPACE		
	7	535									
SUBTOTAL "A"		4035					910				
SUBTOTAL "B"			1335					610			
TOTAL VOLT-AMPERES A & B:		6890 VA									

TRAFFIC SIGNAL CONTROLLER PANELBOARD SCHEDULE



TRAFFIC SIGNAL CONTROLLER INSTALLATION DIAGRAM



SERVICE INSTALLATION (SPECIAL) DIAGRAM

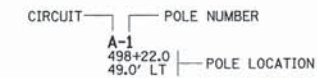
ELECTRICAL GENERAL NOTES

- ALL ELECTRICAL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE 2011 NATIONAL ELECTRICAL CODE, THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND ALL APPLICABLE LOCAL ORDINANCES.
- THE CONTRACTOR SHALL FURNISH ALL MATERIALS FOR A COMPLETE AND WORKABLE SYSTEM.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS AND FOR PROVIDING ALL SUPERVISION, LABOR, MATERIAL AND TOOLS FOR THE PROJECT.
- ALL LOCATIONS AND DIMENSIONS SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL FIELD VERIFY ALL ELECTRICAL EQUIPMENT LOCATIONS AND EQUIPMENT DIMENSIONS.
- ALL CONDUITS WITH WIRING SHALL BE PROVIDED WITH AN INSULATED COPPER GROUNDING CONDUCTOR SIZED IN ACCORDANCE WITH THE 2011 NATIONAL ELECTRICAL CODE.
- 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.
- PROVIDE PULLSTRING IN ALL CONDUITS, INCLUDING CONDUITS WITH CONDUCTORS INSTALLED.
- ALL CONDUIT SHALL BE 30" BELOW FINAL GRADE UNLESS OTHERWISE DIRECTED BY THE ENGINEER. CONTRACTOR IS RESPONSIBLE FOR REPAIR TO ALL UNDERGROUND UTILITIES DAMAGED DURING INSTALLATION OF ROADWAY LIGHTING SYSTEM.
- POLE WIRING WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED WITH THE LUMINAIRE PER ARTICLE 821.03 OF THE STANDARD SPECIFICATIONS.
- THE REMOVAL OF EXISTING SERIES LIGHTING CABLE WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE NEW SERIES LIGHTING CABLE, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

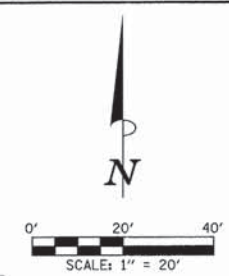
LIGHT POLE LOCATIONS MAY BE ADJUSTED IN THE FIELD AS DIRECTED BY THE ENGINEER TO AVOID UTILITY CONFLICTS, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

ALL PROPOSED LIGHTING LUMINAIRES SHOWN SHALL BE FED FROM THE PROPOSED TRAFFIC SIGNAL CONTROLLER CABINET.

CIRCUIT DESIGNATION SCHEME



NOTE: THE CONTRACTOR SHALL PROVIDE A PERMANENT STICKER ON EACH LIGHT POLE INDICATING THE CIRCUIT AND POLE NUMBER PER THE SPECIAL PROVISIONS.



KEYED NOTES

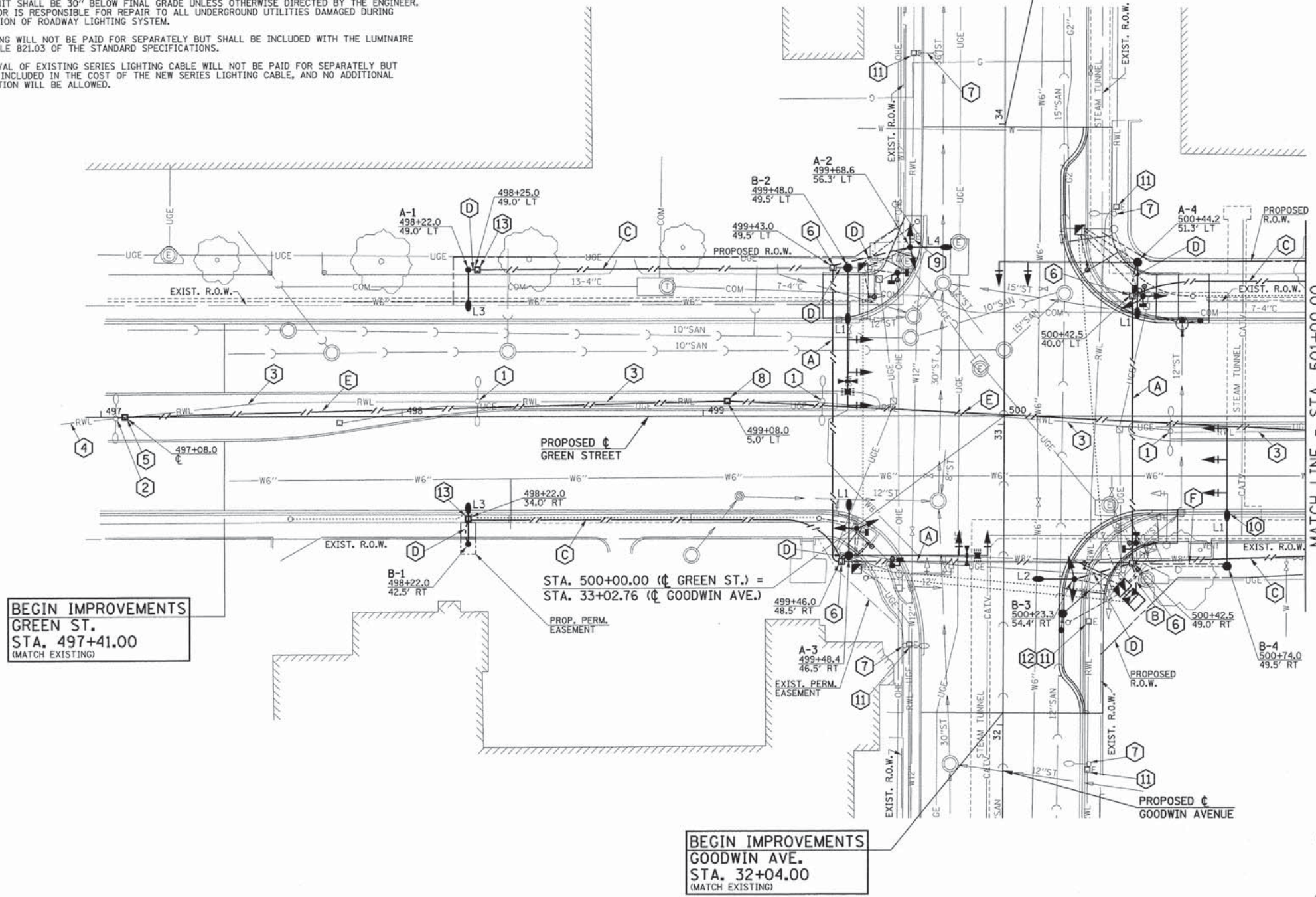
- REMOVE EXISTING LIGHT POLE (NO SALVAGE) AND FOUNDATION PER SPECIAL PROVISIONS.
- EXISTING LIGHT POLE TO REMAIN IN SERVICE. SPLICE NEW SERIES LIGHTING CABLE TO EXISTING SERIES LIGHTING CIRCUIT.
- ABANDON EXISTING DIRECT BURIED SERIES LIGHTING CABLE. ANY ABANDONED DIRECT BURIED CABLE THAT INTERFERES WITH THE PROPOSED IMPROVEMENTS SHALL BE REMOVED AT THE POINT OF CONFLICT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- EXISTING DIRECT BURIED SERIES LIGHTING CABLE TO REMAIN.
- PROVIDE AND INSTALL GULFBOX JUNCTION AND INTERCEPT EXISTING CONDUIT STUBBED OUT OF THE EXISTING POLE FOUNDATION. REMOVE EXISTING SERIES LIGHTING CABLE FROM GULFBOX JUNCTION TO EXISTING LIGHT POLE. EXTEND SERIES LIGHTING CABLE IN NEW CONDUIT THROUGH GULFBOX JUNCTION TO EXISTING LIGHT POLE.
- PROVIDE AND INSTALL JUNCTION BOX (SPECIAL). PROVIDE WATERTIGHT SPLICES FOR LIGHTING CIRCUIT CABLES.
- EXISTING LIGHT POLE TO REMAIN IN SERVICE.
- PROVIDE AND INSTALL GULFBOX JUNCTION. NO SPLICES IN NEW SERIES LIGHTING CABLE.
- REMOVE EXISTING JUNCTION BOX. CAP CONDUIT WATERTIGHT AND ABANDON IN PLACE.
- LUMINAIRE WITH PHOTOCELL.
- EXISTING JUNCTION BOX TO REMAIN IN SERVICE.
- EXISTING JUNCTION BOX TO BE ADJUSTED (SEE REMOVAL PLANS).
- PROVIDE AND INSTALL GULFBOX JUNCTION. PROVIDE WATERTIGHT SPLICES FOR LIGHTING CIRCUIT CABLES.

CONDUIT/CABLE SCHEDULE

- A (1) 2" CONDUIT WITH 4-#8, 1-#8 GND (2 LIGHTING CIRCUITS).
- B (1) 2" PVC CONDUIT WITH 4-#8, 1-#8 GND (2 LIGHTING CIRCUITS), AND 3-#14 (PHOTOCELL CONTROL).
- C (1) 2" CONDUIT WITH 2-#8, 1-#8 GND (1 LIGHTING CIRCUIT).
- D (1) 2" PVC CONDUIT WITH 2-#8, 1-#8 (1 LIGHTING CIRCUIT).
- E (1) 2" CONDUIT WITH 2-#6, 5000V, (1 SERIES LIGHTING CIRCUIT).
- F (1) 2" PVC CONDUIT WITH 2-#8, 1-#8 GND (1 LIGHTING CIRCUIT), AND 3-#14 (PHOTOCELL CONTROL).

ROADWAY LIGHTING LEGEND

- PROPOSED TRAFFIC SIGNAL CONTROLLER CABINET.
- PROPOSED TRAFFIC SIGNAL HANDHOLE OR GULFBOX JUNCTION.
- PROPOSED 19,500 LUMEN LED LUMINAIRE, WITH ASYMMETRIC MEDIUM DISTRIBUTION, WITH 15' TRUSS ARM MOUNTED ON 35' TRAFFIC SIGNAL MAST ARM POLE. TRUSS ARM ORIENTATION SHALL BE AS INDICATED ON PLANS. TRUSS ARM, POLE, AND FOUNDATION TO BE PROVIDED AND INSTALLED AS PART OF THE TRAFFIC SIGNAL INSTALLATION. COORDINATE LUMINAIRE INSTALLATION WITH POLE AND SIGNAL INSTALLATION.
- PROPOSED METAL FOUNDATION WITH LIGHT POLE 30' MOUNTING HEIGHT, 10' DAVIT ARM, WITH 19,500 LUMEN LED LUMINAIRE, WITH ASYMMETRIC MEDIUM DISTRIBUTION.
- PROPOSED METAL FOUNDATION WITH LIGHT POLE 30' MOUNTING HEIGHT, 10' DAVIT ARM, WITH 20,900 LUMEN LED LUMINAIRE, WITH NARROW ASYMMETRIC MEDIUM DISTRIBUTION.
- PROPOSED METAL FOUNDATION WITH LIGHT POLE 25' MOUNTING HEIGHT, 10' DAVIT ARM, WITH 7,400 LUMEN LED LUMINAIRE, WITH ASYMMETRIC MEDIUM DISTRIBUTION.
- PROPOSED CONDUIT, BORED AND PULLED, COILABLE NON-METALLIC CONDUIT (SIZE AND QUANTITY AS NOTED).
- PROPOSED CONDUIT, TRENCHED, SCHEDULE 40 PVC (SIZE AND QUANTITY AS NOTED).
- EXISTING ROADWAY LIGHTING CABLE.
- EXISTING LIGHTING UNIT.
- PROPOSED GULFBOX JUNCTION, SIZE SHALL BE 12"W x 12"L x 12"D.
- PROPOSED JUNCTION BOX (SPECIAL), SIZE SHALL BE 13"W x 24"L x 12"D.
- CONDUIT BORED AND PULLED (SEE TRAFFIC SIGNAL PLANS).
- CONDUIT IN TRENCH (SEE TRAFFIC SIGNAL PLANS).



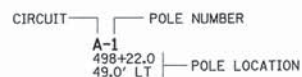
BEGIN IMPROVEMENTS GREEN ST. STA. 497+41.00 (MATCH EXISTING)

BEGIN IMPROVEMENTS GOODWIN AVE. STA. 32+04.00 (MATCH EXISTING)

MATCH LINE - STA. 501+00.00

FILE NAME = p:\U0070070_Urbana - Goodwin Green TCSP\Plans\sheet\13 lighting.dgn	DESIGNED - M.L.S.	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY LIGHTING PLANS		F.A.U. R.T.E. 7175	SECTION 12-00518-00-TL	COUNTY CHAMPAIGN	TOTAL SHEETS 31	SHEET NO. 26	
PLOT DATE = 4/22/2013 8:57:39 PM	DRAWN - D.L.M.	REVISED -		SCALE: 1"=20'		SHEET NO. 26 OF 31 SHEETS	STA. 497+41.00 TO STA. 501+00.00	GOODWIN AVENUE		CONTRACT NO. 91483	
	CHECKED - C.E.C.	REVISED -		CITY OF URBANA		SECTION NO. 12-00518-00-TL		CHAMPAIGN COUNTY		FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT
	DATE - 04/2013	REVISED -									

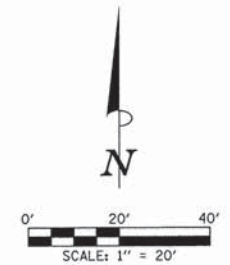
CIRCUIT DESIGNATION SCHEME



NOTE: THE CONTRACTOR SHALL PROVIDE A PERMANENT STICKER ON EACH LIGHT POLE INDICATING THE CIRCUIT AND POLE NUMBER PER THE SPECIAL PROVISIONS.

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.

ALL PROPOSED LIGHTING LUMINAIRES SHOWN SHALL BE FED FROM THE PROPOSED TRAFFIC SIGNAL CONTROLLER CABINET.



KEYED NOTES

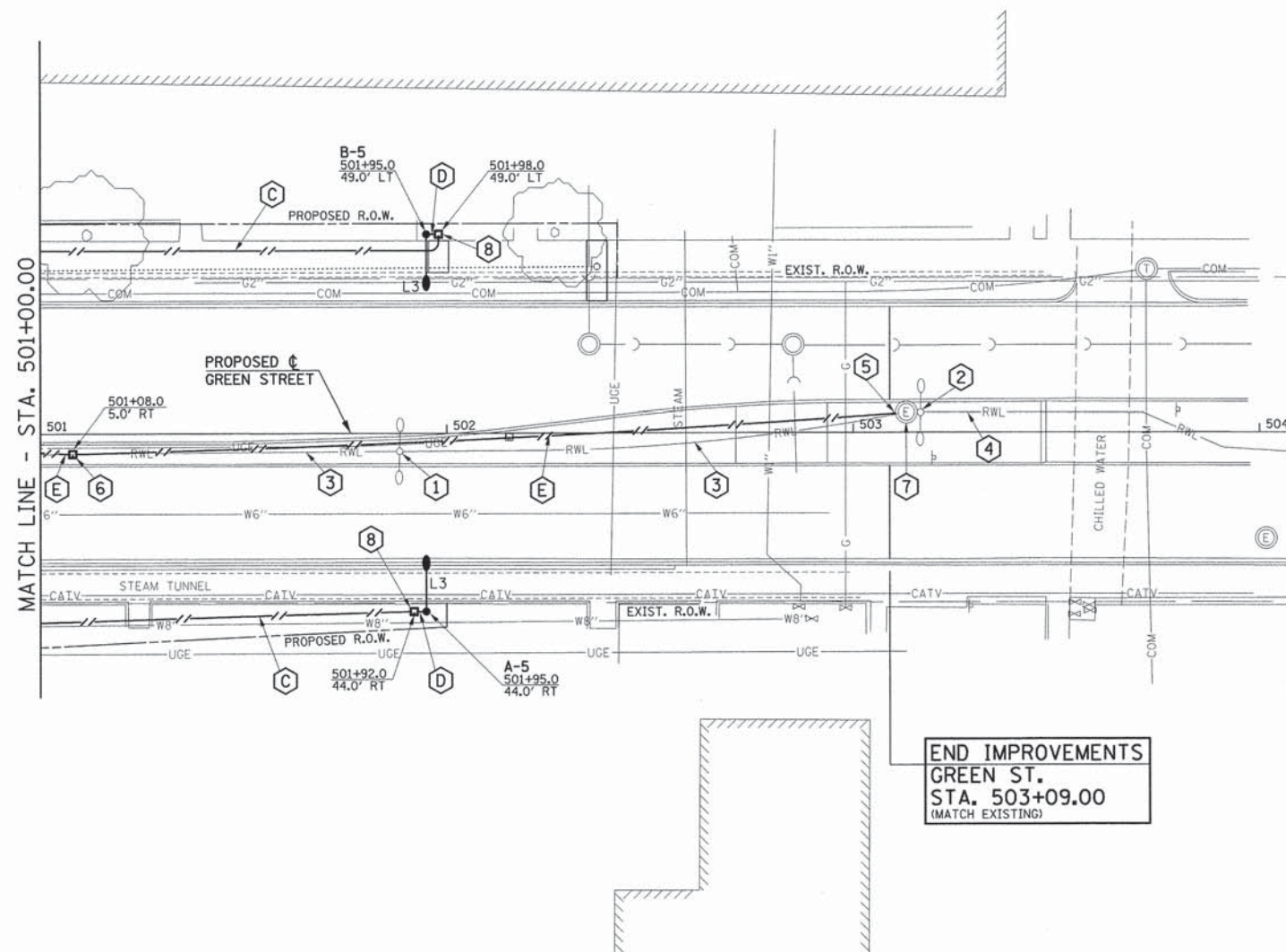
- 1 REMOVE EXISTING LIGHT POLE (NO SALVAGE) AND FOUNDATION PER SPECIAL PROVISIONS.
- 2 EXISTING LIGHT POLE TO REMAIN IN SERVICE. SPLICE NEW SERIES LIGHTING CABLE TO EXISTING SERIES LIGHTING CIRCUIT.
- 3 ABANDON EXISTING DIRECT BURIED SERIES LIGHTING CABLE. ANY ABANDONED DIRECT BURIED CABLE THAT INTERFERES WITH THE PROPOSED IMPROVEMENTS SHALL BE REMOVED AT THE POINT OF CONFLICT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- 4 EXISTING DIRECT BURIED SERIES LIGHTING CABLE TO REMAIN.
- 5 REMOVE EXISTING SERIES LIGHTING CABLE FROM EXISTING MANHOLE TO EXISTING LIGHT POLE. TERMINATE NEW CONDUIT AT EXISTING MANHOLE. PROVIDE A WATERTIGHT SEAL AROUND CONDUIT PENETRATION. EXTEND SERIES LIGHTING CABLE FROM EXISTING MANHOLE TO EXISTING LIGHT POLE.
- 6 PROVIDE AND INSTALL GULFBOX JUNCTION. NO SPLICES IN NEW SERIES LIGHTING CABLE.
- 7 EXISTING MANHOLE TO REMAIN IN SERVICE.
- 8 PROVIDE AND INSTALL GULFBOX JUNCTION. PROVIDE WATERTIGHT SPLICES FOR LIGHTING CIRCUIT CABLES.

CONDUIT/CABLE SCHEDULE

- C (1) 2" CONDUIT WITH 2-#8, 1-#8 GND (1 LIGHTING CIRCUITS).
- D (1) 2" PVC CONDUIT WITH 2-#8, 1-#8 GND (1 LIGHTING CIRCUITS).
- E (1) 2" CONDUIT WITH 2-#6, 5000V, (1 SERIES LIGHTING CIRCUIT).

ROADWAY LIGHTING LEGEND

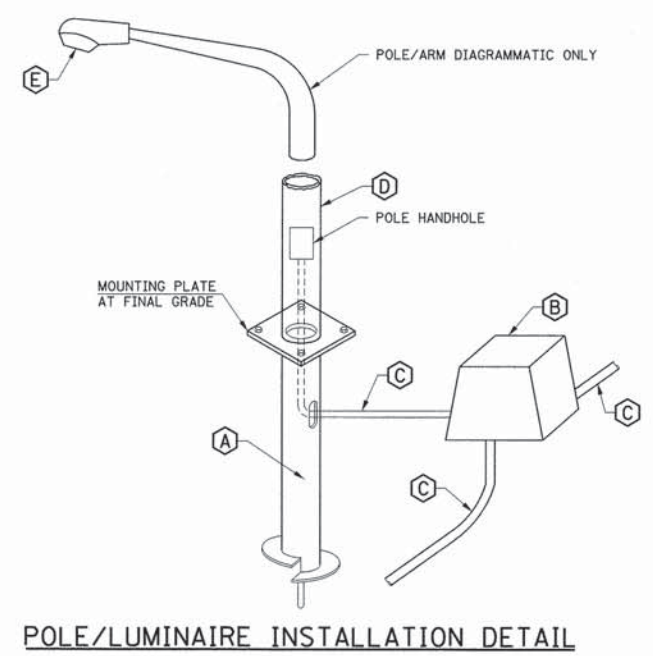
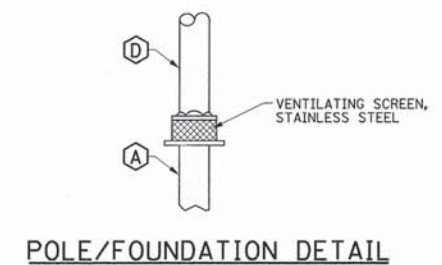
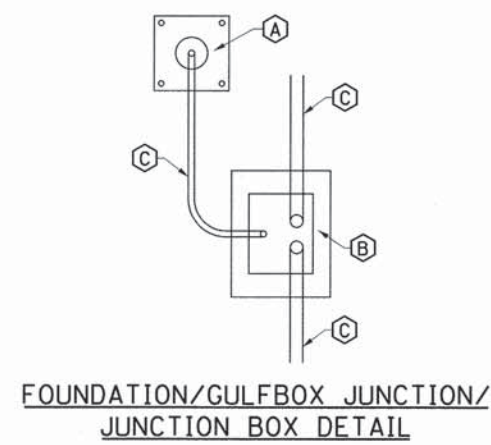
- PROPOSED TRAFFIC SIGNAL CONTROLLER CABINET.
- PROPOSED TRAFFIC SIGNAL HANDHOLE OR GULFBOX JUNCTION.
- PROPOSED 19,500 LUMEN LED LUMINAIRE, WITH ASYMMETRIC MEDIUM DISTRIBUTION, WITH 15' TRUSS ARM MOUNTED ON 35' TRAFFIC SIGNAL MAST ARM POLE. TRUSS ARM ORIENTATION SHALL BE AS INDICATED ON PLANS. TRUSS ARM, POLE, AND FOUNDATION TO BE PROVIDED AND INSTALLED AS PART OF THE TRAFFIC SIGNAL INSTALLATION. COORDINATE LUMINAIRE INSTALLATION WITH POLE AND SIGNAL INSTALLATION.
- PROPOSED METAL FOUNDATION WITH LIGHT POLE 30' MOUNTING HEIGHT, 10' DAVIT ARM, WITH 19,500 LUMEN LED LUMINAIRE, WITH ASYMMETRIC MEDIUM DISTRIBUTION.
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- PROPOSED METAL FOUNDATION WITH LIGHT POLE 25' MOUNTING HEIGHT, 10' DAVIT ARM, WITH 7,400 LUMEN LED LUMINAIRE, WITH ASYMMETRIC MEDIUM DISTRIBUTION.
- PROPOSED CONDUIT, BORED AND PULLED, COILABLE NON-METALLIC CONDUIT (SIZE AND QUANTITY AS NOTED).
- PROPOSED CONDUIT, TRENCHED, SCHEDULE 40 PVC (SIZE AND QUANTITY AS NOTED).
- EXISTING ROADWAY LIGHTING CABLE.
- EXISTING LIGHTING UNIT.
- PROPOSED GULFBOX JUNCTION, SIZE SHALL BE 12"W x 12"L x 12"D.
- PROPOSED JUNCTION BOX (SPECIAL), SIZE SHALL BE 13"W x 24"L x 12"D.
- CONDUIT BORED AND PULLED (SEE TRAFFIC SIGNAL PLANS).
- CONDUIT IN TRENCH (SEE TRAFFIC SIGNAL PLANS).



END IMPROVEMENTS
GREEN ST.
STA. 503+09.00
(MATCH EXISTING)

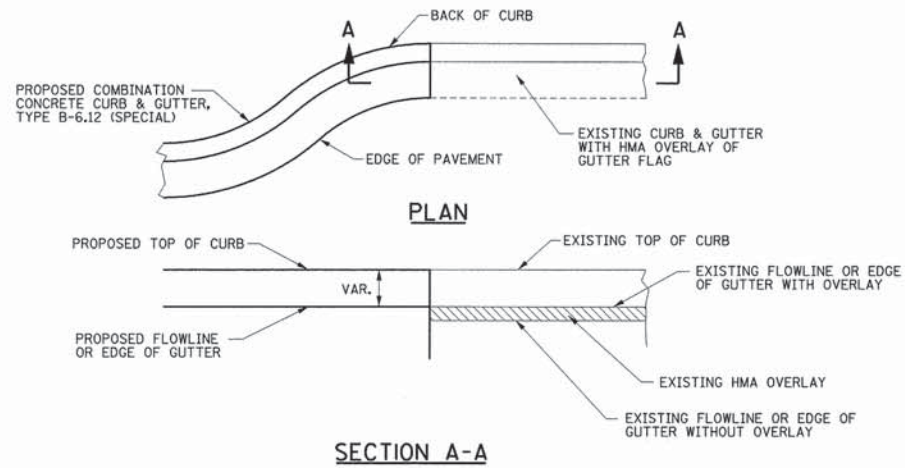
FILE NAME = p:\U0070070_Urbana - Goodwin Green TCSP\Plans\Sheets\13 lighting.dgn	DESIGNED - M.L.S.	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		ROADWAY LIGHTING PLANS			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - D.L.M.	REVISED -						7175	12-00518-00-TL	CHAMPAIGN	31	27
PLOT DATE = 4/22/2013 8:57:39 PM	CHECKED - C.E.C.	REVISED -	CITY OF URBANA SECTION NO. 12-00518-00-TL CHAMPAIGN COUNTY		SCALE: 1"=20' SHEET NO. 27 OF 31 SHEETS STA. 501+00.00 TO STA. 503+09.00			GOODWIN AVENUE		CONTRACT NO. 91483		
DATE - 04/2013	REVISED -	FED. ROAD DIST. NO.						ILLINOIS		FED. AID PROJECT		

SUMMARY OF ROADWAY LIGHTING QUANTITIES			
CODE NO.	ITEM	UNIT	QUANTITY
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	106
81028750	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	1432
81500100	GULFBOX JUNCTION	EACH	7
81702101	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 14	FOOT	320
81702120	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	5050
83000400	LIGHT POLE, ALUMINUM, 30 FT. M.H., 10 FT. DAVIT ARM	EACH	5
84200600	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	4
84200804	REMOVAL OF POLE FOUNDATION	EACH	4
X8130110	JUNCTION BOX (SPECIAL)	EACH	4
X8130125	REMOVE EXISTING JUNCTION BOX	EACH	1
X8300001	LIGHT POLE, SPECIAL	EACH	1
X8360120	LIGHT POLE FOUNDATION, SPECIAL	EACH	6
XX007797	LUMINAIRE (SPECIAL)	EACH	1
XX008068	LUMINAIRE INSTALLATION, TYPE 1	EACH	5
XX008069	LUMINAIRE INSTALLATION, TYPE 2	EACH	4
XX008608	CABLE, SPECIAL	FOOT	1250



- KEYED NOTES**
- (A) METAL FOUNDATION IN ACCORDANCE WITH STANDARD 836001 AND THE SPECIAL PROVISIONS.
 - (B) GULFBOX JUNCTION OR JUNCTION BOX (SPECIAL) AS SHOWN ON THE PLANS.
 - (C) CONDUIT AND CABLE AS SHOWN ON THE PLANS.
 - (D) ALUMINUM LIGHT POLE AS SHOWN ON THE PLANS.
 - (E) LED LUMINAIRE AS SHOWN ON THE PLANS.

FILE NAME = p:\U0070070_Urbana - Goodwin Green TCSP\Plans\sheet13 lighting.dgn	DESIGNED - M.L.S.	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY LIGHTING PLANS			F.A.U. RTE. 7175	SECTION 12-00518-00-TL	COUNTY CHAMPAIGN	TOTAL SHEETS 31	SHEET NO. 28
	DRAWN - D.L.M.	REVISED -					SCALE : NONE	SHEET NO. 28 OF 31 SHEETS	STA. TO STA.	GOODWIN AVENUE	
PLOT DATE = 4/22/2013 8:57:40 PM	CHECKED - C.E.C.	REVISED -				FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT			
	DATE - 04/2013	REVISED -									

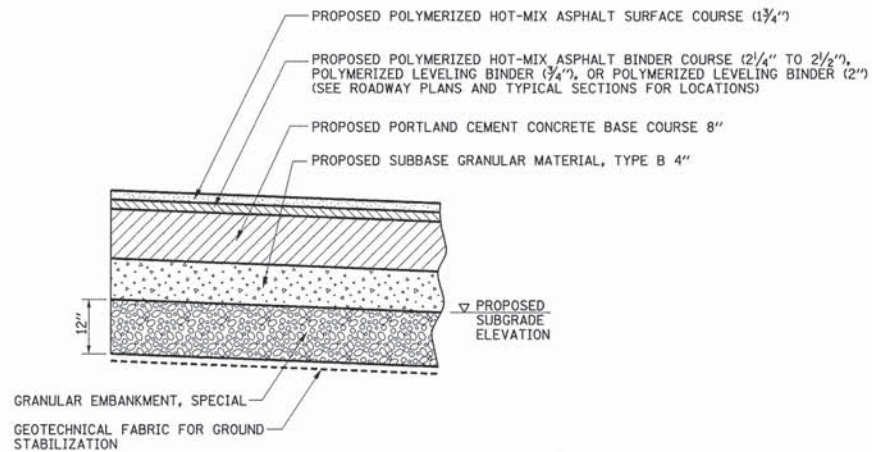


NOTES:

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

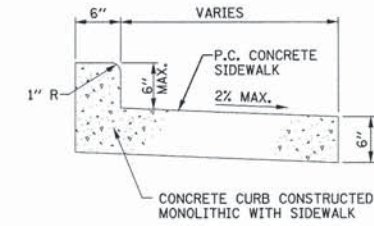
EXISTING GUTTER FLAG WITH HMA OVERLAY AND PROPOSED GUTTER FLAG WITHOUT HMA OVERLAY



NOTES:

1. THIS WORK SHALL BE CONSTRUCTED AT LOCATIONS AS DIRECTED BY THE ENGINEER. SEE PROPOSED TYPICAL SECTION NOTE 13 FOR ADDITIONAL INFORMATION.
2. THIS 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 AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL.

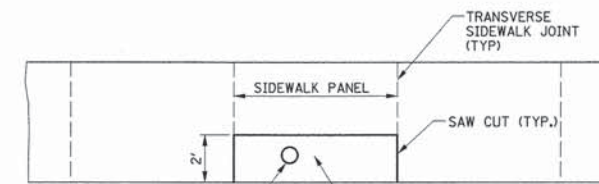
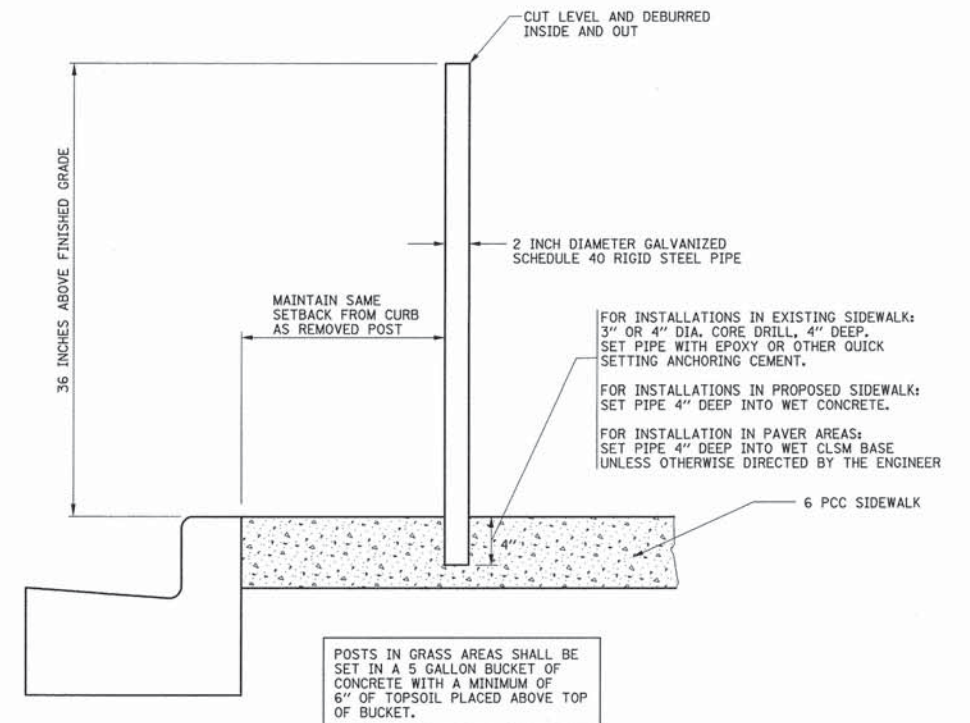
SUBGRADE REMOVAL AND REPLACEMENT DETAIL



NOTE:

THIS WORK WILL BE PAID FOR AS P.C. CONC. SIDEWALK 6", AT THE CONTRACT UNIT PRICE PER SQUARE FOOT OF TOP SURFACE AREA INCLUDING THE TOP SURFACE AREA OF THE CURB. THE COST OF CONSTRUCTING THE CURB TO THE HEIGHT SHOWN SHALL BE INCLUDED IN THE COST OF THE SIDEWALK.

SIDEWALK MONOLITHIC CURB DETAIL



NOTE:

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

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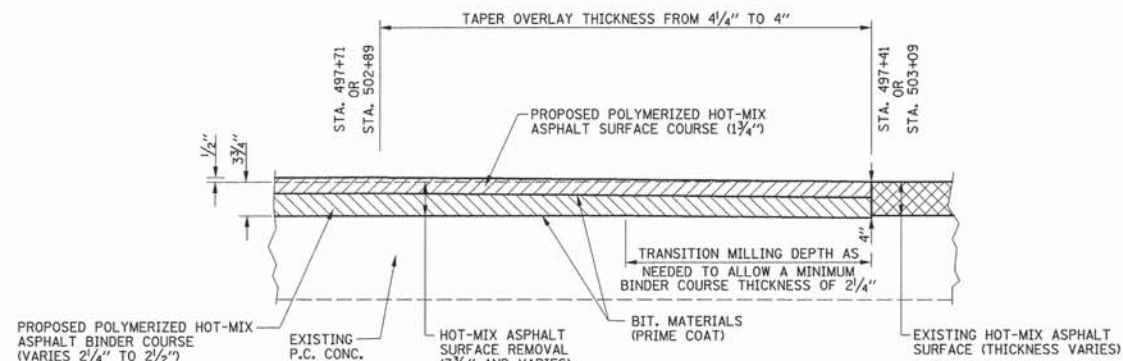
DESIGNED - J.A.J. REVISED -
 DRAWN - D.L.M. REVISED -
 CHECKED - S.M.W. REVISED -
 DATE - 04/2013 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS DETAILS

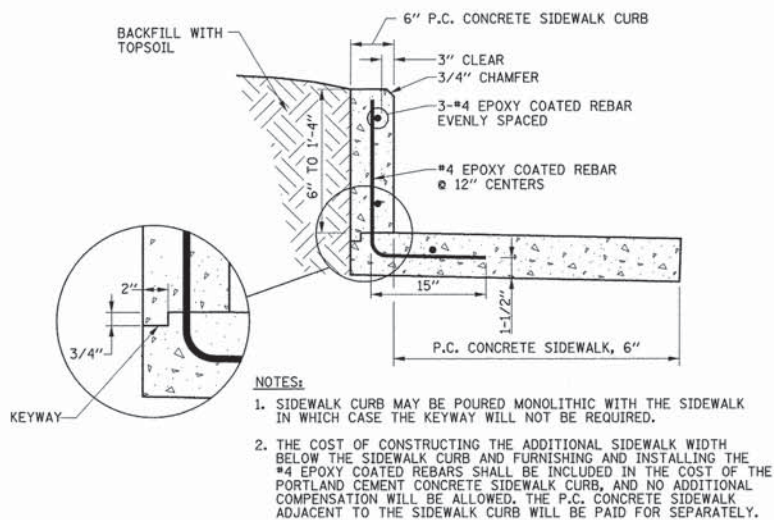
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7175	12-00518-00-TL	CHAMPAIGN	31	30
GOODWIN AVENUE		CONTRACT NO. 91483		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

SCALE : NONE SHEET NO. 30 OF 31 SHEETS STA. TO STA.

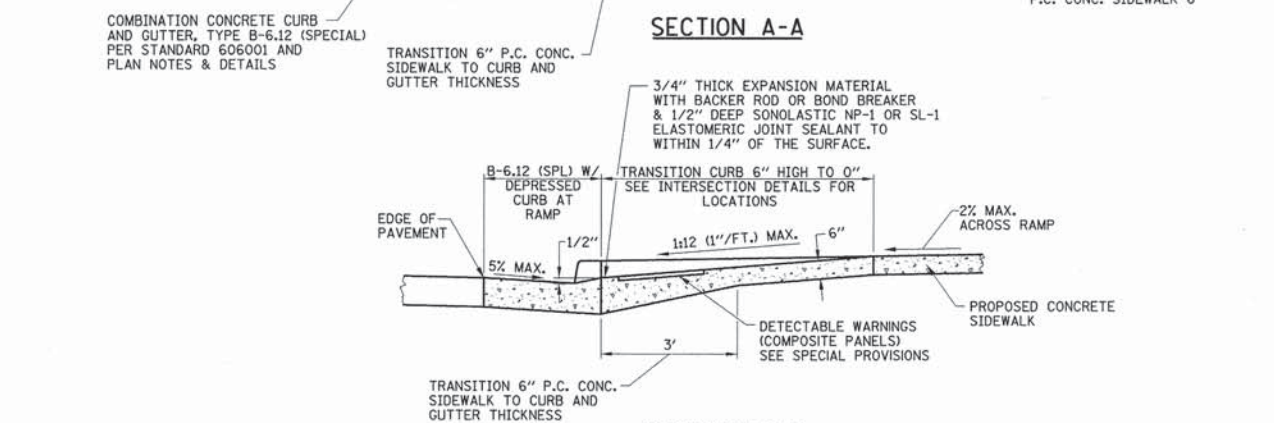
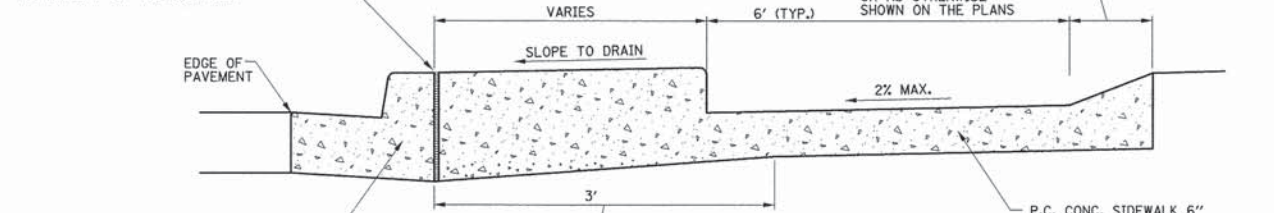
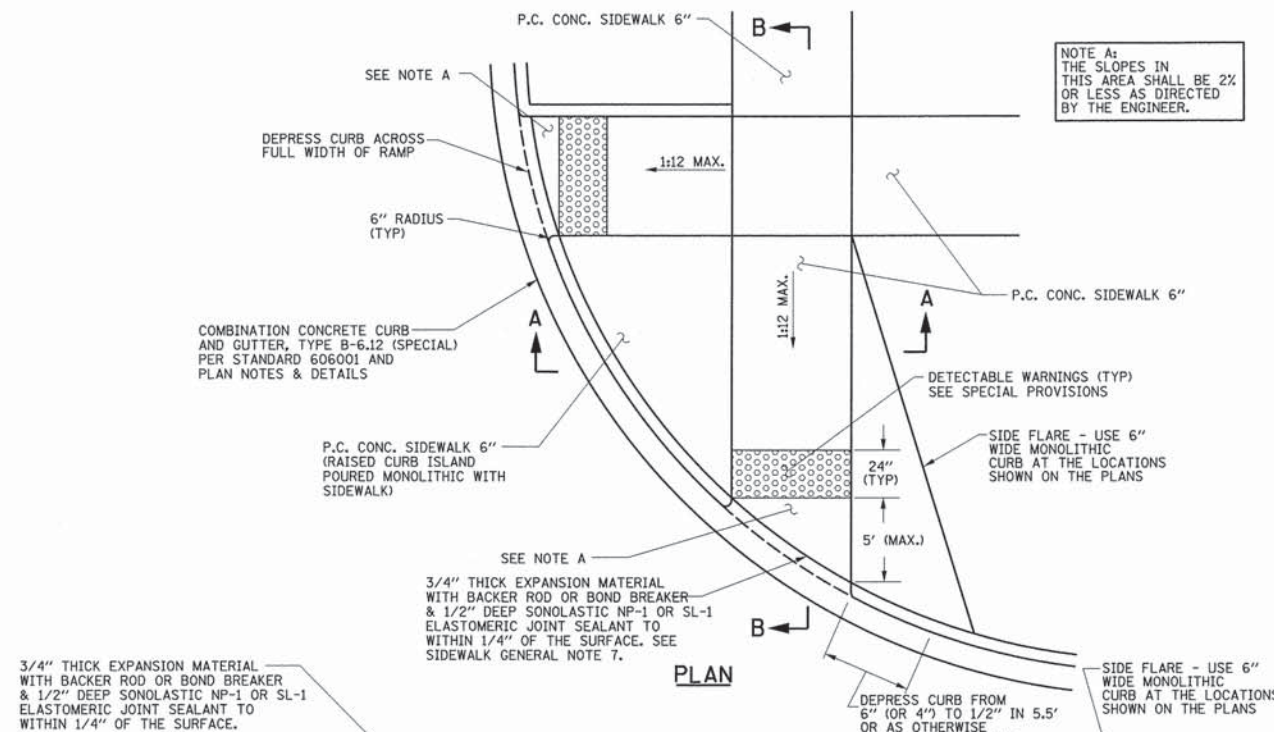


NOTE:
THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE VARIOUS HOT-MIX ASPHALT SURFACE REMOVAL AND HOT-MIX ASPHALT PAY ITEMS, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

HOT-MIX ASPHALT RUN DOWN DETAIL
STA. 497+41 TO STA. 497+71 AND STA. 502+89 TO STA. 503+09



PORTLAND CEMENT CONCRETE SIDEWALK CURB DETAIL



- NOTES:
1. THE COST OF CONSTRUCTING THE DEPRESSED CURB AS SHOWN SHALL BE INCLUDED IN THE COST OF CONSTRUCTING THE COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL), AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
 2. THE COST OF FURNISHING AND INSTALLING THE 3/4" EXPANSION JOINTS AND THE COST OF CONSTRUCTING THE P.C. CONC. SIDEWALK THICKNESS TRANSITION, INCLUDING THE ADJACENT CURBING AS SHOWN, SHALL BE INCLUDED IN THE COST OF CONSTRUCTING THE PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
 3. 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.
 4. THE SIDEWALK CURB RAMP BELOW THE DETECTABLE WARNING PANELS SHALL BE A MINIMUM OF 6" THICK.
 5. SEE THE STANDARD SPECIFICATIONS FOR ADDITIONAL SIDEWALK JOINT INFORMATION.
 6. ALL EXPANSION JOINTS IN THE SIDEWALK SHALL BE SEALED. THE JOINT SEALANT SHALL BE SONOLASTIC NP-1 OR SL-1 ELASTOMERIC JOINT SEALANT MANUFACTURED BY SONNEBORN OR AN EQUIVALENT APPROVED ELASTOMERIC SEALANT. EXPANSION JOINTS SHALL BE SEALED TO WITHIN 1/4" OF THE FINISHED SURFACE.
 7. EXPANSION JOINTS SHALL BE USED BETWEEN THE CURB AND GUTTER AND THE SIDEWALK. EXPANSION JOINTS SHALL BE USED AT OTHER LOCATIONS AS DIRECTED BY THE ENGINEER.

SIDEWALK CURB RAMP DETAIL

FILE NAME = p:\U0070070_Urbana - Goodwin Green TCSP\Plans\sheet\14 misc details.dgn	DESIGNED - J.A.J.	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		MISCELLANEOUS DETAILS		F.A.U. RTE. 7175	SECTION 12-00518-00-TL	COUNTY CHAMPAIGN	TOTAL SHEETS 31	SHEET NO. 31
PLOT DATE = 4/22/2013 8:57:40 PM	DRAWN - D.L.M.	REVISED -	CITY OF URBANA		SHEET NO. 31 OF 31 SHEETS		GOODWIN AVENUE		CONTRACT NO. 91483		
	CHECKED - S.M.W.	REVISED -	SECTION NO. 12-00518-00-TL		SCALE : NONE		ILLINOIS		FED. AID PROJECT		
	DATE - 04/2013	REVISED -	CHAMPAIGN COUNTY		STA. TO STA.						