Contract No. 9

4-28-06 Letting, Item 106

TOTAL SHEETS 62 — SHEET NO. 1

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

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

CITY OF URBANA
CHAMPAIGN COUNTY, ILLINOIS
SECTION NO. 95-00305-01-PV
PROJECT NO. M-5181(39)
JOB NO. C-95-327-05

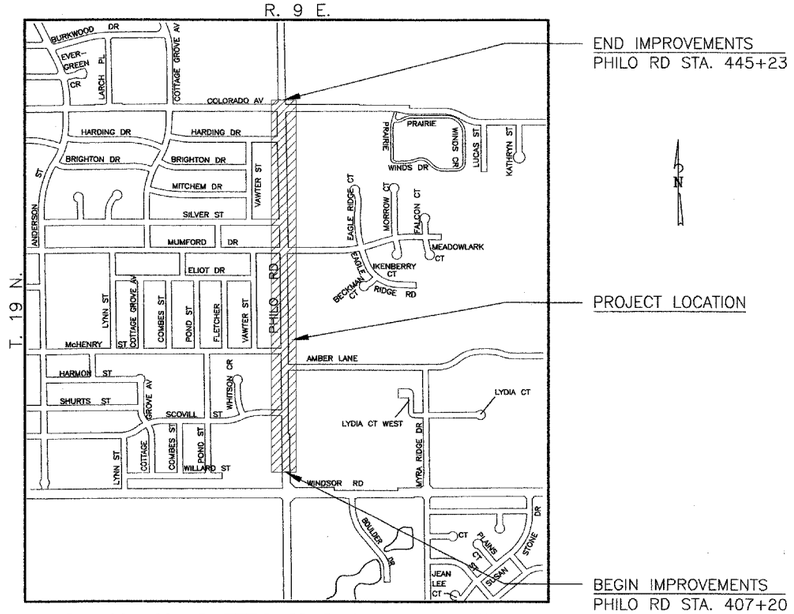
PHILO ROAD

F.A.U. ROUTE 7185

INDEX OF SHEETS

HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001–04	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001–02	TEMPORARY EROSION CONTROL SYSTEMS
420001–06	PAVEMENT JOINTS
424001–04	CURB RAMPS FOR SIDEWALKS
442201–01	CLASS C AND D PATCHES
602301–01	INLET, TYPE A
602306–01	INLET, TYPE B
602401–01	MANHOLE, TYPE A
602601	PRECAST REINFORCED CONCRETE FLAT TOP SLAB
604001–02	FRAME AND LIDS, TYPE 1
604006–02	FRAME AND LIDS, TYPE 3
604036–01	GRATE, TYPE 8
606001–02	CONCRETE CURB TYPE B AND COMBINATION CURB AND GUTTER
701006–02	OFF–ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701311–02	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS–DAY ONLY
701501–03	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701606–04	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701–04	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801–03	LANE CLOSURE MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
702001–06	TRAFFIC CONTROL DEVICES
BLR 10–5	PCC PAVEMENT SPECIAL



LOCATION MAP

(NOT TO SCALE)

TOTAL LENGTH OF PROJECT = 3,803 FEET = 0.72 MILES
TOTAL LENGTH OF IMPROVEMENT = 3,803 FEET = 0.72 MILES

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

LICENSE EXPIRES
11/30/07

Prepared by
CITY OF URBANA
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

REVIEWED:

William R. Gray — 2/16/06
Public Works Director/City Engineer — Date

Gary D. Tamura — 2/16/06
Assistant City Engineer — Date

Craig Shonkwiler — 2-16-06
Civil Engineer — Date

Illinois Department of Transportation

PASSED 2/27 20 06
DISTRICT FIVE ENGINEER OF LOCAL ROADS & STREETS

Releasing For Bid Based on Limited Review FEB 28 20 06
DEPUTY DIRECTOR OF HIGHWAYS, REGION THREE ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Feb 15, 2006 8:44am COVER SHEET.dwg

GENERAL NOTES

GENERAL NOTES

1. ALL ELEVATIONS SHOWN ARE REFERRED TO THE N.A.V.D. 88 DATUM.
2. WHEREVER IN THE PLANS OR SPECIFICATIONS THE TERM "STANDARD SPECIFICATIONS" IS USED IT SHALL BE UNDERSTOOD BY THE CONTRACTOR TO MEAN THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" AS PREPARED BY THE DEPARTMENT OF TRANSPORTATION OF THE STATE OF ILLINOIS AND ADOPTED ON JANUARY 1, 2002.
3. WHEREVER IN THE PLANS OR SPECIFICATIONS THE TERM "STANDARD SPECIFICATIONS FOR WATER MAIN AND SEWER CONSTRUCTION" IS USED IT SHALL BE UNDERSTOOD BY THE CONTRACTOR TO MEAN THE "STANDARD SPECIFICATIONS FOR WATER MAIN AND SEWER MAIN CONSTRUCTION IN ILLINOIS" AS PREPARED BY I.S.P.E., A.G.C.I., I.M.L., AND U.C.A., ADOPTED MAY 1996.
4. ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS SHALL BE INTERPRETED TO BE THE LATEST STANDARDS OF THE DEPARTMENT AS SHOWN ON THE COVER SHEET.
5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THE PROJECT.
6. THE CONTRACTOR WILL BE REQUIRED TO COMPLY WITH STATE AND LOCAL REGULATIONS REGARDING AIR, WATER, AND NOISE POLLUTION.
7. THE CONTRACTOR SHALL TAKE CARE NOT TO STORE OR DISPOSE OF DEBRIS OR UNSUITABLE MATERIALS WITHIN LIMITS OF THE IMPROVEMENT AND TAKE CARE TO LIMIT CONSTRUCTION TO WITHIN THE RIGHT-OF-WAY AND EASEMENT AREAS. UNNECESSARY ENCROACHMENTS ONTO PRIVATE OR PUBLIC AREAS WILL NOT BE ALLOWED.
8. WHERE SECTION OR SUBSECTION MONUMENTS, BENCHMARKS, OR IRON PIPE MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL MONUMENTS UNTIL AN ILLINOIS REGISTERED LAND SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR WILL BE RESPONSIBLE FOR HAVING AN ILLINOIS REGISTERED LAND SURVEYOR RE-ESTABLISH ANY MONUMENTS UNNECESSARILY DESTROYED BY HIS OPERATIONS.
9. ALL STREET RETURNS HAVE RADII DESIGNATED TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED ON PLANS.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANUP OF THE SITE PRIOR TO FINAL ACCEPTANCE IN ACCORDANCE WITH ARTICLE 104.06 OF THE STANDARD SPECIFICATIONS, THIS WORK SHALL ALSO INCLUDE CLEANING ALL DRAINAGE FACILITIES OF FOREIGN MATERIALS.

UTILITIES

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

    *ILLINOIS AMERICAN WATER COMPANY (WATER)

    *AMEREN ILLINOIS POWER COMPANY (ELECTRIC AND GAS)

    *SBC AMERITECH (COMMUNICATIONS)

    *INSIGHT COMMUNICATIONS (CATV)

    *URBANA AND CHAMPAIGN SANITARY DISTRICT (SANITARY SEWER INTERCEPTORS)

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

    CHAMPAIGN COUNTY (STORM AND FIBER OPTIC COMMUNICATIONS)

15. ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE REMOVED AND DISPOSED OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS APPROVED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED WITHIN THE CONTRACT UNIT PRICE FOR EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

EARTHWORK - REMOVALS

16. THE EXCAVATION FOR THIS PROJECT IS CLASSIFIED AS EARTH EXCAVATION IN ACCORDANCE WITH SECTION 202 OF THE STANDARD SPECIFICATIONS. THE EARTH EXCAVATION SHALL INCLUDE THE REMOVAL OF EARTH AND UNCLASSIFIED MATERIALS. THE REMAINING EXCAVATION IS CLASSIFIED AS REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL, PAVEMENT REMOVAL, DRIVEWAY PAVEMENT REMOVAL, SIDEWALK REMOVAL AND CURB AND GUTTER REMOVAL.
17. ONLY EXISTING PAVEMENT, BASE COURSES AND DRIVEWAY PAVEMENTS COMPOSED OF PORTLAND CEMENT CONCRETE OR BITUMINOUS CONCRETE AS IDENTIFIED IN THE PLANS SHALL BE MEASURED AND PAID FOR AS "PAVEMENT REMOVAL" AND "DRIVEWAY PAVEMENT REMOVAL" IN ACCORDANCE WITH SECTION 440 OF THE STANDARD SPECIFICATIONS. REMOVAL OF OTHER TYPES OF PAVEMENT COMPOSITION SUCH AS AGGREGATE OR OIL AND CHIP SHALL BE MEASURED AND PAID FOR AS "EARTH EXCAVATION" IN ACCORDANCE WITH SECTION 202 OF THE STANDARD SPECIFICATIONS.
18. IT WILL BE NECESSARY TO UNDERCUT AND REMOVE EARTH AND ORGANIC MATERIAL BELOW THE PROPOSED PAVEMENT SYSTEM AT LOCATIONS SHOWN ON THE PLANS. ALL UNSTABLE, UNSUITABLE, OR ORGANIC MATERIAL SHALL BE DISPOSED OF AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE MEASURED AND PAID FOR AS REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL.
19. THE CONTRACTOR SHALL CAREFULLY PROTECT ANY TREES OR SHRUBS NOT INCLUDED IN THE CONTRACT FOR REMOVAL. TEMPORARY FENCE SHALL BE ERECTED, AT THE DIRECTION OF THE ENGINEER, TO PROTECT TREES AND SHRUBS TO REMAIN, THAT ARE IMMEDIATELY ADJACENT TO THE WORK, FOR PROTECTION DURING CONSTRUCTION OPERATIONS. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PAY ITEM FOR EARTH EXCAVATION WITH NO ADDITIONAL COMPENSATION ALLOWED.
20. THE EXISTING PIPE CULVERTS OR STORM SEWERS SHOWN TO BE REMOVED ON THE PLANS SHALL BE DONE IN ACCORDANCE WITH SECTION 551 OF THE STANDARD SPECIFICATIONS EXCEPT THAT SALVAGING OF THE PIPE WILL NOT BE REQUIRED. REMOVAL SHALL ALSO INCLUDE THE REMOVAL OF END SECTIONS AND OTHER APPURTENANCES FOUND.
21. EXISTING TRAFFIC CONTROL SIGNS AND POSTS SHALL BE REMOVED AND RESET, AS THE CASE MAY BE, AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE DONE IN ACCORDANCE WITH ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS. EXISTING SIGNS THAT WILL NOT BE RESET AS DIRECTED BY THE ENGINEER SHALL BE RETURNED TO THE CITY OF URBANA'S PUBLIC WORKS GARAGE AT 706 S. GLOVER AVENUE. REMOVAL AND RE-INSTALLATION OF ALL EXISTING SIGNAGE WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED WITHIN THE CONTRACT UNIT PRICE FOR EARTH EXCAVATION.

LANDSCAPING - EROSION CONTROL

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

PAVEMENTS - CURB & GUTTERS - SIDEWALKS

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

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

SEWERS

29. ALL SALVAGEABLE FRAMES AND GRATES WHICH ARE NOT INCORPORATED IN THE WORK SHALL BECOME THE PROPERTY OF THE CONTRACTOR. THE CONTRACTOR'S BID PRICE FOR VARIOUS STORM DRAINAGE WORK SHOULD REFLECT THE SALVAGE VALUE OF THE ITEMS.
30. ALL TRENCHES AND EXCAVATIONS FOR DRAINAGE PIPES, STRUCTURES, OR STRUCTURE REMOVALS BELOW OR WITHIN TWO FEET LATERALLY OF THE PROPOSED PAVEMENT, DRIVEWAY PAVEMENT, SIDEWALK, OR CURB AND GUTTER, SHALL BE BACKFILLED WITH TRENCH BACKFILL SPECIAL AS SHOWN ON THE PLANS AND IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND THE DETAIL IN THE PLANS. THE BACKFILLING AROUND DRAINAGE STRUCTURES WILL NOT BE MEASURED FOR PAYMENT AS DESCRIBED IN ARTICLE 602.15 OF THE STANDARD SPECIFICATIONS.
31. STORM SEWER, WATER MAIN QUALITY IS TO BE USED AT LOCATIONS WHERE LATERAL SEPARATION BETWEEN THE SEWER AND WATER MAIN IS LESS THAN 10 FEET OR WHERE THE WATER MAIN CROSSES BELOW THE SEWER, REGARDLESS OF VERTICAL SEPARATION OR WHERE THE BOTTOM OF THE WATER MAIN IS LESS THAN 18 INCHES ABOVE THE TOP OF THE SEWER. THE MATERIAL SHALL BE CONCRETE PRESSURE PIPE OR DUCTILE IRON PIPE MEETING THE REQUIREMENTS OF SECTION 40-2.01 OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS. PVC PIPE WILL NOT BE ALLOWED.
32. WHEN CONNECTIONS ARE TO BE MADE TO EXISTING PIPING AND STRUCTURES, THE LOCATION AND ELEVATION OF THE EXISTING PIPING SHALL BE FIELD VERIFIED AND NOTIFICATION GIVEN TO THE ENGINEER IF THE EXISTING PIPING IS FOUND TO BE DIFFERENT THAN THAT SHOWN ON THE DRAWINGS. WHERE SUCH DISCREPANCY IS FOUND, WORK SHALL NOT PROCEED UNTIL DIRECTED ACCORDINGLY BY THE ENGINEER.
33. WHERE PROPOSED STORM SEWERS ARE TO BE CONNECTED INTO EXISTING MANHOLES OR EXISTING STORM SEWERS THE CONNECTIONS SHALL BE MADE IN A WORKMANLIKE MANNER AND MASONRY CONSTRUCTED AROUND THEM SO AS TO PREVENT LEAKAGE. CONNECTIONS OF STORM SEWERS TO EXISTING STRUCTURES SHALL BE MADE BY CORE DRILLING HOLES IN THE STRUCTURES. THE COST OF MAKING ANY SEWER CONNECTIONS TO AN EXISTING DRAINAGE STRUCTURE OR PIPE SHALL BE CONSIDERED INCLUDED WITHIN THE CONTRACT UNIT PRICE FOR THE NEW SEWER.
34. THE FOLLOWING ARE THE LOCATIONS FOR THE TOP-OF-FRAME ELEVATIONS REFERRED TO IN THE DRAINAGE STRUCTURE CALL-OUTS:

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

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

TRAFFIC CONTROL

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

Philo Road Improvements
General Notes

DATED: 2/06	DRAWN BY: AJS
DESIGNED BY: CES	CHECKED BY: GLJ
CITY SECTION 95-00305-01-PV	

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

CITY OF URBANA

SHEET NO. 2 OF 62

Feb15,2006 8:44am GENNOTES.DWG

SUMMARY OF QUANTITIES

	SUMMARY OF QUANTITIES		SAFETY CODE / CONSTRUCTION CODE		2A / 1000
	ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY 50% FEDERAL 50% CITY
	20200100	EARTH EXCAVATION	CU YD	1190	1190
*	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	575	575
*	20800250	TRENCH BACKFILL, SPECIAL	CU YD	600	600
*	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	9393	9393
	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	177	177
	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	177	177
	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	177	177
*	25000900	SEEDING, CLASS 1 (SPECIAL)	ACRE	1.9	1.9
	25200110	SODDING, SALT TOLERANT	SQ YD	341	341
*	25200200	SUPPLEMENTAL WATERING	UNIT	145	145
*	28000255	TEMPORARY EROSION CONTROL SEEDING	ACRE	1.9	1.9
	28000400	PERIMETER EROSION BARRIER	FOOT	1445	1445
	28000500	INLET AND PIPE PROTECTION	EACH	27	27
*	28000510	INLET FILTERS	EACH	78	78
	31101000	SUB-BASE GRANULAR MATERIAL, TYPE B	TON	2193	2193
	40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	3069	3069
	40600300	AGGREGATE (PRIME COAT)	TON	61	61
	40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	2	2
	40600990	TEMPORARY RAMP	SQ YD	400	400
	42000200	PORTLAND CEMENT CONCRETE PAVEMENT 7"	SQ YD	348	348
	42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	519	519
	42300300	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH	SQ YD	624	624
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	13654	13654
*	42400800	DETECTABLE WARNINGS	SQ FT	350	350
*	44000004	BITUMINOUS SURFACE REMOVAL 1"	SQ YD	6546	6546
*	44000006	BITUMINOUS SURFACE REMOVAL 1 1/2"	SQ YD	1306	1306

* SEE SPECIAL PROVISIONS

	SUMMARY OF QUANTITIES		SAFETY CODE / CONSTRUCTION CODE		2A / 1000
	ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY 50% FEDERAL 50% CITY
	44000100	PAVEMENT REMOVAL	SQ YD	846	846
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	1576	1576
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1179	1179
	44000600	SIDEWALK REMOVAL	SQ FT	7599	7599
*	44004400	PAVEMENT REMOVAL (SPECIAL)	SQ YD	507	507
*	44201329	CLASS C PATCHES, TYPE II, 8 INCH	SQ YD	136	136
*	44201335	CLASS C PATCHES, TYPE IV, 8 INCH	SQ YD	68	68
	44300100	AREA REFLECTIVE CRACK CONTROL TREATMENT	SQ YD	409	409
	44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	5465	5465
*	50104400	CONCRETE HEADWALL REMOVAL	EACH	2	2
*	50105210	REMOVE EXISTING CULVERTS	FOOT	265	265
	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	179	179
	550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	17	17
	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	878	878
	550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	127	127
*	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	74	74
*	60224600	RESTRICTED DEPTH MANHOLES, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2
*	60224700	RESTRICTED DEPTH MANHOLES, 4'-DIAMETER, TYPE 3 FRAME AND GRATE	EACH	7	7
*	60225100	RESTRICTED DEPTH MANHOLES, 4'-DIAMETER, TYPE 8 GRATE	EACH	1	1
*	60225400	RESTRICTED DEPTH MANHOLES, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	13	13
*	60225900	RESTRICTED DEPTH MANOLES, 5'-DIAMETER, TYPE 8 GRATE	EACH	3	3
	60234200	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	5	5
	60235300	INLETS, TYPE A, TYPE 1 FRAME, CLOSED LID	EACH	1	1
*	60235700	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	EACH	30	30
	60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	13	13
*	60243910	INLETS, SPECIAL, WITH TYPE 3 FRAME AND GRATE	EACH	1	1

* SEE SPECIAL PROVISIONS

Contract No.

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DRAWN BY: PLS
CHECKED BY: GLJ
DESIGNED BY: CES
DATED: 2/06

CITY SECTION
95-00305-01-PV

Philo Road Improvements
Summary of Quantities

SHEET NO.
3
OF
62

Feb 15,2006 8:45am QUANTITY SUMMARY.DWG

SUMMARY OF QUANTITIES

	SUMMARY OF QUANTITIES			SAFETY CODE / CONSTRUCTION CODE	2A / 1000
	ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY 50% FEDERAL 50% CITY
	60255500	MANHOLES TO BE ADJUSTED	EACH	3	3
	60258200	MANHOLES TO BE RECONSTRUCTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	3	3
*	60258300	MANHOLES TO BE RECONSTRUCTED WITH NEW TYPE 3 FRAME AND GRATE	EACH	1	1
	60258800	MANHOLES TO BE RECONSTRUCTED WITH NEW TYPE 8 GRATE	EACH	1	1
*	60260500	INLETS TO BE ADJUSTED WITH NEW TYPE 3 FRAME AND GRATE	EACH	2	2
	60261000	INLETS TO BE ADJUSTED WITH NEW TYPE 8 GRATE	EACH	2	2
*	60500060	REMOVING INLETS	EACH	13	13
	60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	7209	7209
*	66700095	PERMANENT SURVEY MARKERS	EACH	2	2
*	67100100	MOBILIZATION	L SUM	1	1
*	70103700	TRAFFIC CONTROL COMPLETE	L SUM	1	1
	70300100	SHORT-TERM PAVEMENT MARKING	FOOT	2425	2425
	70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1020	1020
	70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	900	900
Δ	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	671	671
Δ	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	9068	9068
Δ	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	460	460
Δ	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	83	83
Δ	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	30	30
*	X0301232	SURVEY MARKER VAULT	EACH	2	2
*	X0321905	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 12"	FOOT	132	132
*	X0321907	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 12"	FOOT	451	451
*	X4066528	POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N90	TON	1444	1444
*	X4066915	POLYMERIZED LEVELING BINDER (MACHINE METHOD), SUPERPAVE N90	TON	3310	3310
*	X6020125	RESTRICTED DEPTH INLET TYPE B, TYPE 3 FRAME AND GRATE	EACH	25	25

* SEE SPECIAL PROVISIONS

	SUMMARY OF QUANTITIES			SAFETY CODE / CONSTRUCTION CODE	2A / 1000
	ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY 50% FEDERAL 50% CITY
*	XX000405	BUTT JOINTS, SPECIAL	SQ YD	226	226
*	XX003330	MANHOLE TO BE ADJUSTED W/NEW TYPE 1 SEALED LID	EACH	1	1
*	XX005483	RESTRICTED DEPTH INLET TYPE B, TYPE 1 FRAME, OPEN LID	EACH	2	2
*	XX006432	AGGREGATE SUBGRADE SPECIAL	TON	858	858
*	XX006444	MULCH, SPECIAL	ACRE	1.9	1.9
*	XX146400	STORM SEWER REMOVAL	FOOT	201	201
*	Z0000990	AGGREGATE FOR TEMPORARY ACCESS	TON	105	105
*	XX006531	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 7 1/2"	SQ YD	3121	3121
*	XX006532	RESTRICTED DEPTH INLET TYPE B, TYPE 8 GRATE	EACH	2	2

* SEE SPECIAL PROVISIONS
Δ SPECIALTY ITEMS

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DRAWN BY: PLS
CHECKED BY: GLJ
DESIGNED BY: CES
DATED: 2/06

CITY SECTION
95-00305-01-PV

Philo Road Improvements
Summary of Quantities

SHEET NO.
4
OF
62

Feb15,2006 8:45am QUANTITY SUMMARY.DWG

Contract No.

SCHEDULE OF QUANTITIES

STORM SEWER REMOVAL ITEM NO. XX146400	
LOCATION	(FOOT)
410+28 - 410+35 LT	7
419+24 - 419+39 LT	15
423+58 RT	2
439+32 - 440+32 LT	100
440+32 - 440+79 LT	48
441+37 LT	5
441+80 LT	17
442+24 LT	6
443+62 LT	1
TOTALS	201

SUB-BASE GRANULAR MATERIAL, TYPE B ITEM NO. 31101000	
LOCATION	TON
408+57.9 - SCOVILL ST. (LT)	138
414+00 - McHENERY ST. (LT)	152
420+00 - MUMFORD DR. (LT)	392
430+66 - SILVER ST. (LT)	89
433+66 - HARDING DR. (LT)	252
442+00 - 444+36.6 LT	68
408+68 - MUMFORD DR. (RT)	586
430+66 - SILVER ST. (RT)	75
433+66 - 444+33 RT	328
SE CORNER COLORADO AVE.	20
AMBER LANE	93
TOTALS	2193

AGGREGATE SUBGRADE SPECIAL ITEM NO. XX006432	
LOCATION	TON
410+25 - 413+00 LT	205
411+20 - 413+66 RT	188
438+19 - 443+50 RT	465
TOTALS	858

PAVEMENT REMOVAL (SPECIAL) ITEM NO. 44004400	
LOCATION	(SQ.YD.)
410+07 LT - SCOVILL STREET	26.2
SCOVILL STREET - McHENRY STREET	78.6
McHENRY STREET - MUMFORD DRIVE	106.1
MUMFORD DRIVE - SILVER STREET	45.0
SILVER STREET - 440+29, 14.5' LT	52.2
441+31, 20.5' LT - HARDING DRIVE	9.6
HARDING DRIVE - 441+84, 25' LT	4.5
443+81, 24' LT - 444+37, 23.8' LT	0.7
410+01, 9.0' RT - 417+75, 9.5' RT	47.5
418+25, 9.5' RT - 424+73, 9.5 RT	38.8
424+73, 12.5' RT - MUMFORD DRIVE	18.6
MUMFORD DRIVE - 432+55.5, 26.4 RT	28.5
438+00, 14' RT - 438+19, 14' RT	3.2
438+19, 10.5 RT - 444+24, 22' RT	39.6
444+24, 22' RT - COLORADO AVENUE	7.9
TOTALS	507

DRIVEWAY PAVEMENT REMOVAL ITEM NO. 44000200	
LOCATION	(SQ.YD.)
410+02 LT	71.3
417+52 LT	37.3
419+72 RT	75.9
420+95 LT	18.2
423+24 RT	78.2
425+17 LT	26.0
425+92 LT	57.3
426+96 LT	49.5
428+51 LT	60.7
428+93 LT	37.9
429+27 LT	27.7
431+39 LT	38.8
431+62 LT	51.9
433+00 RT	109.7
435+38 LT	50.2
436+24 LT	51.4
436+79 RT	101.7
437+00 LT	61.2
437+62 LT	65.7
439+08 LT	70.8
439+60 LT	83.7
439+89 RT	73.4
441+30 RT	54.6
441+73 RT	167.4
443+29 LT	55.0
TOTALS	1576

COMBINATION CURB AND GUTTER REMOVAL ITEM NO. 44000500	
LOCATION	(FOOT)
408+59.7 - 409+72 LT	114.2
408+68 - 410+00.2 RT	132.2
SE CORNER PHILO & MUMFORD	31.4
430+42.8 - 436+37.5 RT	597.1
432+51 - 432+56 RT	5.0
440+29.4 - 441+30.5 LT	100.5
441+84 - 443+02.3 LT	118.0
443+56.5 - 444+36.6 LT	80.1
TOTALS	1179

REMOVE EXISTING CULVERTS ITEM NO. 50105210	
LOCATION	(FOOT)
413+08 - 413+76 LT	68
413+11 - 413+27 RT	16
422+56 - 422+71 LT	15
422+80 - 422+96 LT	16
423+42 - 423+60 LT	18
425+83 - 426+03 LT	20
439+68 - 440+08 RT	40
441+19 - 441+91 RT	72
TOTALS	265

CONCRETE HEADWALL REMOVAL ITEM NO. 50104400	
LOCATION	EACH
440+79 RT	1
441+91 RT	1
TOTALS	2

SIDEWALK REMOVAL ITEM NO. 44000600	
LOCATION	EACH
NW CORNER PHILO & SCOVILL	36.3
SW COR PHILO & SCOVILL	221.8
413+20 RT	126.5
SE CORNER PHILO & AMBER	516.8
NE CORNER PHILO & AMBER	427.7
SW CORNER PHILO & MCHENRY	116.3
NW CORNER PHILO & MCHENRY	156.0
420+47 - DRIVEWAY LT	171.5
DRIVEWAY - 421+09 LT	36.1
422+26 - 422+34 RT	80.2
423+07 - 423+41 RT	346.3
426+66 - 426+77 RT	79.6
428+28 - DRIVEWAY	31.7
428+86 - 429+00 LT	56.4
429+17 - 429+38 LT	85.5
SE CORNER PHILO & MUMFORD	20.4
SW CORNER PHILO & MUMFORD	264.7
NW CORNER PHILO & MUMFORD	230
NE CORNER PHILO & MUMFORD	20.8
431+33 - DRIVEWAY LT	4.0
DRIVEWAY - 431+45 LT	4.0
431+49 - DRIVEWAY LT	26.1
DRIVEWAY - 431+74 LT	19.5
431+60 - 431+66 RT	24.0
432+44 - DRIVEWAY RT	197.6
SW CORNER PHILO & SILVER 38' LT	168.9
SW CORNER PHILO & SILVER 57' LT	9.6
DRIVE - 433+53 RT	159.0
NE CORNER PHILO & SILVER	155.2
435+26 - DRIVEWAY LT	24.4
DRIVE - 435+48 LT	20.4
436+12 - DRIVEWAY LT	24.8
DRIVEWAY - 436+39 LT	39.2
436+48 - DRIVEWAY RT	115.5
DRIVEWAY - 437+06 RT	87.3
438+91 - DRIVEWAY LT	19.8
DRIVEWAY - 439+24 LT	16.1
439+43 - DRIVEWAY LT	19.6
DRIVEWAY - 439+79 LT	22.0
440+72 LT	49.8
SW CORNER PHILO & HARDING	47.6
441+37 - 441+61 RT	233.0
441+85 - 444+88 RT	2948.8
NW CORNER PHILO & HARDING	137.7
TOTALS	7599

PAVEMENT REMOVAL ITEM NO. 44000100	
LOCATION	(SQ.YD.)
433+38, 26.5' RT - 438+00, 14' RT	495.2
440+29, 19' LT - 441+31, 20.5' LT	68.2
AMBER LANE	282.1
TOTALS	846

SEEDING, CLASS 1 (SPECIAL) - 25000900 MULCH, SPECIAL - ITEM NO. XX006444	
LOCATION	ACRE
407+15 - 441+65 RT	0.95
441+90 RT - SE CORNER COLORADO	0.13
407+15 - 444+51 LT	0.79
TOTALS	1.9 ACRE

SODDING, SALT TOLERANT ITEM NO. 25200110	
LOCATION	(SQ.YD.)
427+63 - 429+50 RT	59
SE CORNER MUMFORD	8
NE CORNER MUMFORD - 432+50 RT	67
414+10 - 417+35 LT	73
417+60 - 418+45 LT	20
418+45 - 419+10 LT	17
421+15 - 421+65 LT	9
422+10 - 422+60 LT	9
422+90 - 423+40 LT	10
423+75 - 424+25 LT	9
424+60 - 425+10 LT	9
425+20 - 425+80 LT	11
426+05 - 426+90 LT	17
427+05 - 428+30 LT	22
TOTALS	340

NITROGEN FERTILIZER NUTRIENTS ITEM NO. 25000400	
LOCATION	POUND
407+15 - 441+65 RT	87
441+90 RT - SE CORNER COLORADO	12
407+15 - 444+51 LT	72
SOD LOCATIONS	6
TOTALS	177

PHOSPHORUS FERTILIZER NUTRIENT ITEM NO. 25000500	
LOCATION	POUND
407+15 - 441+65 RT	87
441+90 RT - SE CORNER COLORADO	12
407+15 - 444+51 LT	72
SOD LOCATIONS	6
TOTALS	177

POTASSIUM FERTILIZER NUTRIENT ITEM NO. 25000600	
LOCATION	POUND
407+15 - 441+65 RT	87
441+90 RT - SE CORNER COLORADO	12
407+15 - 444+51 LT	72
SOD LOCATIONS	6
TOTALS	177

SUPPLEMENTAL WATERING ITEM NO. 25200200	
LOCATION	UNIT
407+15 - 441+65 RT	73.6
441+90 RT - SE CORNER COLORADO	10.1
407+15 - 444+51 LT	61.2
TOTALS	145

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CITY SECTION
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Philo Road Improvements
Schedule of Quantities

SHEET NO. 5 OF 62

Feb 15,2006 11:22am QUANTITY SCHEDULE.DWG

Contract No.

SCHEDULE OF QUANTITIES

BITUMINOUS SURFACE REMOVAL 1" ITEM NO. 44000004	
LOCATION	(SQ.YD.)
STA 408+68 - 424+73	4450
STA 438+19 - 444+33	2096
TOTALS	6546

BITUMINOUS SURFACE REMOVAL 1 1/2" ITEM NO. 44000006	
LOCATION	(SQ.YD.)
STA 407+20 - 408+68	634
STA 444+33 - 445+23	672
TOTALS	1306

BUTT JOINTS, SPECIAL ITEM NO. XX000405	
LOCATION	(SQ.YD.)
SCOVILL STREET (10')	28.7
McHENRY STREET (32')	106.8
MUMFORD DRIVE (LT) (5')	13.8
MUMFORD DRIVE (RT)	35
SILVER STREET (5')	14.4
HARDING DRIVE (10')	27.6
TOTALS	226

BITUMINOUS MATERIALS (PRIME COAT) ITEM NO. 40600100	
LOCATION	GALLON
1" MILLED AREAS	491
LEVELING BINDER	1289
SURFACE COURSE	1289
TOTALS	3069

AGGREGATE (PRIME COAT) ITEM NO. 40600300	
LOCATION	TON
1" MILLED AREAS	9
LEVELING BINDER	26
SURFACE COURSE	26
TOTALS	61

POLYMERIZED LEVELING BINDER (MACHINE METHOD) SUPERPAVE, N90 ITEM NO. X4066915	
LOCATION	TON
1" MILLED AREAS	367
STA 408+68 - 444+33	2828.2
SCOVILL STREET	13.6
McHENRY STREET	0.7
MUMFORD DRIVE (LT)	21.7
MUMFORD DRIVE (RT)	1.8
SILVER STREET	50.4
HARDING DRIVE	26.2
TOTALS	3310

POLYMERIZED BIT. CONC. SURFACE COURSE SUPERPAVE, MIX "D", N90 ITEM NO. X4066528	
LOCATION	TON
STA 407+20 - 445+23	1358.9
SCOVILL STREET	13.4
McHENRY STREET	15.0
MUMFORD DRIVE (LT)	13.1
MUMFORD DRIVE (RT)	11.9
SILVER STREET	16.2
HARDING DRIVE	15.5
TOTALS	1444

STRIP REFLECTIVE CRACK CONTROL TREATMENT ITEM NO. 44300100	
LOCATION	(FOOT)
408+94 LT - SCOVILL	421.8
SCOVILL - MCHENRY LT	587.5
MCHENRY - MUMFORD LT	1023.5
MUMFORD - SILVER LT	268.6
SILVER - HARDING LT	841.6
HARDING - 443+42 LT	184.9
409+75 - 424+81 RT	1511
438+19 - 443+80 RT	559.7
SE CORNER COLORADO	66.5
TOTAL	5465

AREA REFLECTIVE CRACK CONTROL TREATMENT ITEM NO. 44300100	
LOCATION	(SQ.YD.)
McHENRY STREET	201.2
SILVER STREET	207.3
TOTAL	409

PC CONCRETE BASE COURSE WIDENING, 7 1/2" ITEM NO. XX006531	
LOCATION	(SQ.YD.)
409+32 - 413+13 LT	173.3
409+75.5 - 424+73 RT	765.1
413+63.6 - 419+43.1 LT	317.3
419+89.6 - 429+95.5 LT	608.7
430+28.7 - 432+79.6 LT	166.2
432+55.5 - 433+37.8 RT	36.5
433+15.1 - 441+34 LT	508.4
438+19 - 443+67 RT	394.0
441+73.3 - 443+21 LT	65.6
SE CORNER OF COLORADO & PHILO	85.9
TOTALS	3121

PC CONCRETE DRIVEWAY PAVEMENT, 7" ITEM NO. 42300300	
LOCATION	(SQ.YD.)
CE LT. STA. 410+02.7	42.4
CE RT. STA. 419+75.2	50.2
CE RT. STA. 423+24.0	40.3
CE LT. STA. 428+51.0	56.1
CE RT. STA. 433+00.0	72.9
CE RT. STA. 436+78.2	60.4
CE LT. STA. 439+08.0	40.4
CE LT. STA. 439+60.5	41.7
CE RT. STA. 439+88.8	50.5
CE RT. STA. 441+29.3	36.1
CE RT. STA. 441+73.3	99.7
CE LT. STA. 443+28.9	33.5
TOTALS	624

PC CONCRETE PAVEMENT, 7" ITEM NO. 42000200	
LOCATION	(SQ.YD.)
AMBER LANE	348

PC CONCRETE DRIVEWAY PAVEMENT, 6" ITEM NO. 42300200	
LOCATION	(SQ.YD.)
PE LT. STA. 417+52.4	20.1
PE LT. STA. 418+41.0	7.6
PE LT. STA. 420+94.8	20.2
PE LT. STA. 421+ 18.0	20.2
PE LT. STA 421+82.1	19.7
PE LT. STA. 422+00.6	19.7
PE LT. STA. 422+65.1	20.0
PE LT. STA 422.86.6	20.0
PE LT. STA. 423+50.2	19.9
PE LT. STA. 423+70.2	19.9
PE LT. STA. 424+32.1	20.1
PE LT. STA. 424+ 54.9	20.1
PE LT. STA. 425+17.0	20.1
PE LT. STA. 425+92.4	31.8
PE LT. STA. 426+95.7	21.6
PE LT. STA. 428+93.0	28.7
PE LT. STA. 429+27.0	33.9
PE LT. STA. 431+39.0	22.9
PE LT. STA. 431+62.5	24.6
PE LT. STA. 435+37.9	21.1
PE LT. STA. 436+24.0	21.2
PE LT. STA. 437+00.5	31.6
PE LT. STA. 437+61.5	33.7
TOTALS	519

CLASS C PATCHES, TYPE II, 8" ITEM NO. 44201329			
LOCATION	WIDTH	STR. NO.	(SQ.YD.)
410+71 - 410+75 LT	4'	5 - 6	5.9
410+71 - 410+75 RT	4'	5 - 6	5.7
99+49.56 - 99+53.56 LT	4'	10 - 11	5.7
99+49.56 - 99+53.56 RT	4'	10 - 11	5.7
413+54 - 413+58 LT	4'	11 - 12	14.2
413+54 - 413+58 RT	4'	11 - 12	5.5
99+74.3 - 99+78.3 LT	4'		12.2
99+74.3 - 99+78.3 RT	4'		12.2
413+94 - 413+98 LT	4'	14 - 15	5.8
413+94 - 413+98 RT	4'	14 - 15	5.6
416+22 - 416+50 LT	4'		12.4
416+40 - 416+50 RT	8'		8.8
417+31 - 417+35 LT	4'	23 - 24	5.8
417+31 - 417+35 RT	4'	23 - 24	5.8
119+51.96 - 119+55.96 LT	4'	34 - 35	6.3
119+51.96 - 119+55.96 RT	4'	34 - 35	5.5
437+32 - 437+36 LT	4'	116 - 119	5.3
437+32 - 437+36 RT	4'	116 - 119	7.6
TOTALS			136

CLASS C PATCHES, TYPE IV, 8" ITEM NO. 44201335		
LOCATION	WIDTH	(SQ.YD.)
415+55 - 415+83 RT	13'	40.4
416+40 - 416+98 RT	4.2'	27.0
TOTALS		68

PC CONCRETE SIDEWALK, 5" ITEM NO. 42400200	
LOCATION	(SQ.FT.)
412+93.2 - 412+98.2 RT	86.5
SW CORNER SCOVILL ST	298.9
NW CORNER SCOVILL ST	135.5
413+79.31 - 419+36.56 LT	2257.5
SE CORNER AMBER LN	429.9
NE CORNER AMBER LN	441.5
SW CORNER MCHENRY	144.8
NW CORNER MCHENRY	112.5
420+46.87 - 428+66 LT	3297.9
422+26.1 - 422+34.1 RT	80.0
423+06.5 - 423+41.0 RT	345.6
426+66.0 - 426+77 RT	79.6
428+86 - 429+00.2 LT	56.5
429+17 - 429+38.4 LT	85.5
SE CORNER MUMFORD DR	22.5
SW CORNER MUMFORD DR	188.2
NE CORNER MUMFORD DR	22.4
NW CORNER MUMFORD DR	162.6
431+33 - 431+45 LT	48.0
431+49.5 - 431+73.9 LT	97.4
431+60 - 431+66 RT	24.0
432+43.8 - 432+69.3 RT	200.6
SW CORNER SILVER ST	184.9
432+81.9 - 432+84.3 LT	9.6
NW CORNER SILVER ST	105.9
433+33.7 - 433+53.1 RT	175.4
435+25.9 - 435+48 LT	95.3
436+11.9 - 439+38.8 LT	109.9
436+48.4 - 437+06.1 RT	595.3
438+91.1 - 439+24 LT	155.8
439+43.1 - 439+78.5 LT	166.6
SW CORNER HARDING DR	55.9
NW CORNER HARDING DR	85.0
441+36.9 - 52+80.57 RT	3296.5
TOTALS	13654

DETECTABLE WARNINGS ITEM NO. 42400800	
LOCATION	(SQ.FT.)
412+95.4 RT	8.0
SW CORNER SCOVILL ST	17.5
NW CORNER SCOVILL ST	8.3
SE CORNER AMBER LN	23.8
NE CORNER AMBER LN	22.3
SW CORNER MCHENRY	8.4
NW CORNER MCHENRY	10.6
SE CORNER MUMFORD DR	22.5
SW CORNER MUMFORD DR	16.0
NE CORNER MUMFORD DR	22.4
NW CORNER MUMFORD DR	23.0
432+60.2 LT	8.0
SW CORNER SILVER ST	8.0
432+73 RT	46.4
NW CORNER SILVER ST	8.0
433+33.4 RT	24.1
SW CORNER HARDING DR	10.0
NW CORNER HARDING DR	11.8
SE CORNER COLORADO AVE	51.2
TOTALS	350

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DATED: 2/06
DESIGNED BY: CES
DRAWN BY: PLS
CHECKED BY: GLJ

CITY SECTION
95-00305-01-PV

Philo Road Improvements
Schedule of Quantities

SHEET NO. 6 OF 62

Feb 15,2006 11:22am QUANTITY SCHEDULE.DWG

Contract No.

SCHEDULE OF QUANTITIES

THERMOPLASTIC PAVEMENT MARKING									
LOCATION	4" SKIP–DASH YELLOW (FOOT)	4" SOLID YELLOW (FOOT)	4" DOUBLE YELLOW NARROW (FOOT)	4" SKIP–DASH WHITE (FOOT)	4" SOLID WHITE (FOOT)	4" LANE LINE EXTENSIONS WHITE (FOOT)	6" CROSSWALK WHITE (FOOT)	12" DIAGONAL YELLOW NARROW (FOOT)	24" STOP BAR WHITE (FOOT)
RT 407+20 TO RT 408+80.6			321.2						
LT 407+20 TO LT 408+80.6			322.4						
RT 408+80.6 TO RT 412+92.4	100	411.8							
LT 408+80.6 TO LT 412+92.4	100	411.8							
407+61.6 TO 804+82.6 CL								67.7	
RT 413+53.2 TO RT 417+48.4	90	360.2							
LT 413+53.2 TO LT 417+48.4	90	360.2							
RT 418+53.2 TO RT 419+25.7	20	72.6							
LT 418+53.2 TO LT 419+25.7	20	72.6							
RT 420+25.6 TO RT 429+70.0	240	944.4							
LT 420+25.6 TO LT 429+70.0	240	944.4							
RT 425+11.2 TO RT 427+80.2						90			
RT 427+80.2 TO RT 429+70.0					190				
RT 430+60.7 TO RT 432+57.0	50	196.3							
LT 430+60.7 TO LT 432+57.0	50	196.3							
RT 430+60.7 TO RT 431+33.0						20			
RT 431+33.0 TO RT 432+57.0					124.2				
RT 433+53.6 TO RT 441+12.5	190	758.9							
LT 433+53.6 TO LT 441+12.5	190	758.9							
441+81.9 TO 444+44.2 CL			1031.9						
441+87.9 TO 442+32.7 CL								15.5	
RT 442+74.4 TO RT 444+44.4				50					
LT 442+74.4 TO LT 444+44.4				50					
PHILO RD/COLORADO AV									30
PHILO RD/COLORADO AV							459.8		
	1380	5488.4	1675.5	100	314.2	110			
TOTALS	9068						460	83	30

THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS		
LOCATION	SYMBOLS (SQ. FT.)	COMMENTS
409+22.5 CL	31.2	DOUBLE LEFT ARROW
410+86.5 CL	31.2	DOUBLE LEFT ARROW
412+50.5 CL	31.2	DOUBLE LEFT ARROW
414+30.3 CL	31.2	DOUBLE LEFT ARROW
415+68.4 CL	31.2	DOUBLE LEFT ARROW
417+6.4 CL	31.2	DOUBLE LEFT ARROW
418+98.4 CL	31.2	DOUBLE LEFT ARROW
420+67.6 CL	31.2	DOUBLE LEFT ARROW
422+83.0 CL	31.2	DOUBLE LEFT ARROW
424+99.0 CL	31.2	DOUBLE LEFT ARROW
427+13.0 CL	31.2	DOUBLE LEFT ARROW
429+28.0 CL	31.2	DOUBLE LEFT ARROW
427+80.2 RT	15.6	RIGHT ARROW
428+37.6 RT	15.6	RIGHT ARROW
428+94.9 RT	15.6	RIGHT ARROW
429+52.3 RT	15.6	RIGHT ARROW
431+33.0 RT	15.6	RIGHT ARROW
431+81.6 RT	15.6	RIGHT ARROW
432+30.1 RT	15.6	RIGHT ARROW
431+2.7 CL	31.2	DOUBLE LEFT ARROW
432+5.58 CL	31.2	DOUBLE LEFT ARROW
433+95.6 CL	31.2	DOUBLE LEFT ARROW
436+20.6 CL	31.2	DOUBLE LEFT ARROW
438+45.6 CL	31.2	DOUBLE LEFT ARROW
440+70.5 CL	31.2	DOUBLE LEFT ARROW
TOTALS	671	

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Philo Road Improvements
Schedule of Quantities

SHEET NO.
7
OF
62

Feb 15,2006 11:21am QUANTITY SCHEDULE.DWG

SCHEDULE OF QUANTITIES

COMBINATION CONC. CURB & GUTTER, TYPE B-6.24 ITEM NO. 60605000	
LOCATION	***FOOT***
408+57.90 - 412+92.43 LT	434.5
408+68.00 - 417+48.44 RT	880.4
SW CORNER SCOVILL	52.3
NW CORNER SCOVILL	52.1
413+88.27 - 419+25.73 LT	537.5
SE CORNER AMBER	84.2
NE CORNER AMBER	93.1
418+68.15 - 429+44.79 RT	1076.9
SW CORNER MCHENRY	57.4
NW CORNER MCHENRY	60.0
420+25.60 - 429+65.87 LT	940.3
SW CORNER MUMFORD	51.7
SE CORNER MUMFORD	31.5
NW CORNER MUMFORD	52.0
NE CORNER MUMFORD	35.4
430+60.70 LT - 432+47.80 LT	187.1
430+76.00 - 432+42.73 RT	167.1
SE CORNER SILVER	31.0
SW CORNER SILVER	59.4
NW CORNER SILVER	60.0
NE CORNER SILVER	43.9
433+53.63 - 441+12.50 LT	758.9
433+65.93 - 444+24.00 RT	1058.2
SW CORNER HARDING	60.2
NW CORNER HARDING	61.1
442+13.60 - 444+36.6 LT	223.1
SE CORNER COLORADO	60.1
TOTALS	**7209**

PERMANENT SURVEY MARKERS ITEM NO. 66700095 SURVEY MARKER VAULT ITEM NO. X0301232	
LOCATION	***EACH***
STA 431+56.3	1
STA 444+82.1	1
TOTALS	**2**

REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL ITEM NO. 20201200	
LOCATION	***(CU.YD.)***
410+25 - 413+00 LT	103
411+20 - 413+66 RT	106
413+66 - 417+50 RT	71
424+66 - 425+77 LT	30
427+08 - 428+33 LT	32
438+19 - 443+50 RT	231
TOTALS	**573**

1	2	3	4	5	6	7	8
LOCATION	**EARTH EXCAVATION**	**EARTH EXCAVATION ADJUSTED FOR SHRINKAGE**	**UNSUITABLE MATERIAL**	**THEORETICAL EMBANKMENT**	**THEORETICAL TOP SOIL REQUIRED**	**EMBANKMENT REQUIRED**	**EARTHWORK BALANCE WASTE (+) or SHORTAGE (-)**
	CY	CY	CY	CY	CY	CY	CY
RT. SIDE							
STA. 406+66 TO SE MUMFORD	364	273	177	425	384	41	232
NE MUMFORD TO STA. 432+33	0	0	0	8	8	0	0
STA. 435+33 TO STA. 445+00	62	47	231	458	203	255	-208
LT. SIDE							
STA. 406+66 TO SW SCOVILL	38	29	103	171	77	94	-65
NW SCOVILL TO SW MCHENRY	212	159	0	34	94	0	159
NW MCHENRY TO SW MUMFORD	245	184	62	261	119	142	42
NW MUMFORD TO SW SILVER	54	41	0	50	33	17	24
NW SILVER TO SW HARDING	158	119	0	113	105	8	111
NW HARDING TO STA. 445+00	54	41	0	12	24	0	41
TOTALS	1187	893	573	1532	1047	557	336
ROUNDED TOTALS	1190		575				

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

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DRAWN BY: PLS
CHECKED BY: GLJ
DESIGNED BY: CES
DATED: 2/06

CITY SECTION
95-00305-01-PV

Philo Road Improvements
Schedule of Quantities

SHEET NO.
8
OF
62

DRAINAGE STRUCTURE SCHEDULE

PLAN & PROFILE SHEET - STA. 408+00 TO STA. 413+00

STORM SEWER STRUCTURE SCHEDULE

STR. NO.	STRUCTURE TYPE	OFF-SET SIDE	STA. OF C/L 2 FT. OPENING	OFFSET OF C/L 2 FT. OPENING	STA. OF C/L STR.	OFFSET OF C/L STR.	EX. T/O FRAME/ GRATE ELEV.	PR. T/O FRAME/ GRATE ELEV.	PR. T/O FLAT SLAB TOP ELEV.	INVERT IN ELEV.	U.S. STR. NO.	INVERT OUT ELEV.	D.S. STR. NO.
1	PIPE CONNECTION	RT	-----	-----	409+13.00	23.00	752.60	-----	-----	745.25	NW	744.98	S
										745.45	W		
										747.11	2		
2	RD INLET TB T3 F8G	RT	409+50.00	15.56	409+50.00	16.06	-----	753.24	752.24	747.50	4	747.30	1
3	INLETS TA T1F CL	LT	410+29.24	26.40	410+29.24	26.40	-----	753.10	-----	750.75	E	750.75	E
4	RD INLET TB T3 F8G	RT	410+63.00	15.56	410+63.00	16.06	-----	753.20	752.20	748.15	5	748.05	2
5	RD INLET TB T3 F8G	RT	410+73.00	15.56	410+73.00	16.06	-----	753.19	752.19	748.38	6	748.18	4
6	RD INLET TB T3 F8G	LT	410+73.00	21.56	410+73.00	22.06	-----	753.17	752.17	748.77	7	748.57	5
7	RD INLET TB T3 F8G	LT	410+83.00	21.56	410+83.00	22.06	-----	753.18	752.18	749.00	8	748.80	6
8	INLETS TA T8G	LT	411+33.00	32.10	411+33.00	32.10	-----	751.45	-----	-----	D	749.37	7
9	INLETS TA T8G	RT	412+85.00	27.50	412+85.00	27.50	-----	751.40	-----	-----	D	749.32	12

E=EXISTING
D=DITCH

PLAN & PROFILE SHEET - STA. 413+00 TO STA. 418+00

STORM SEWER STRUCTURE SCHEDULE

STR. NO.	STRUCTURE TYPE	OFF-SET SIDE	STA. OF C/L 2 FT. OPENING	OFFSET OF C/L 2 FT. OPENING	STA. OF C/L STR.	OFFSET OF C/L STR.	EX. T/O FRAME/ GRATE ELEV.	PR. T/O FRAME/ GRATE ELEV.	PR. T/O FLAT SLAB TOP ELEV.	INVERT IN ELEV.	U.S. STR. NO.	INVERT OUT ELEV.	D.S. STR. NO.
10	INLETS TA T3 F8G	RT	99+51.62	15.09	99+51.62	15.09	-----	752.59	-----	-----	--	748.48	11
11	RD INLET TB T3 F8G	LT	99+51.59	15.22	99+51.49	15.69	-----	752.65	751.65	748.34	10	748.14	12
12	RD MAN 4 DIA T3 F8G	RT	413+56.00	15.56	413+56.00	16.56	-----	753.27	752.27	747.83	11	747.53	14
										748.98	9		
13	INLETS TA T8G	RT	413+96.00	22.80	413+96.00	22.80	-----	752.25	-----	-----	D	750.17	14
14	RD MAN 4 DIA T3 F8G	RT	413+96.00	15.56	413+96.00	16.56	-----	753.22	752.22	747.35	12	747.05	17
										750.09	13		
										748.68	15		
15	RD INLET TB T3 F8G	LT	413+96.00	21.56	413+96.00	21.06	-----	753.20	752.20	749.05	16	748.85	14
16	INLETS TA T3 F8G	LT	414+06.00	21.56	414+06.00	21.56	-----	753.20	-----	-----	--	749.09	15
17	RD INLET TB T3 F8G	RT	414+06.00	15.56	414+06.00	16.06	-----	753.22	752.22	747.01	14	746.92	19
18	INLETS TA T8G	RT	416+00.00	23.10	416+00.00	23.10	-----	752.10	-----	-----	D	750.02	19
19	RD MAN 4 DIA T3 F8G	RT	416+00.00	15.56	416+00.00	16.56	-----	753.07	752.07	745.96	17	745.66	21
										749.94	18		
20	INLETS TA T3 F8G	LT	416+00.00	21.56	416+00.00	21.56	-----	753.05	-----	-----	--	748.94	22
21	RD INLET TB T3 F8G	RT	416+75.00	15.56	416+75.00	16.06	-----	752.52	751.52	745.30	19	745.20	23
22	RD INLET TB T3 F8G	LT	416+75.00	21.56	416+75.00	22.06	-----	752.50	751.50	748.39	20	748.29	24
23	RD MAN 4 DIA T3 F8G	RT	417+33.00	15.56	417+33.00	16.56	-----	752.09	751.09	744.93	21	744.63	25
										746.24	24		
24	RD MAN 4 DIA T3 F8G	LT	417+33.00	21.56	417+33.00	22.56	-----	752.07	751.07	747.88	22	746.60	23
										746.90	28		
25	RD INLET TB T8G	RT	417+53.00	28.00	417+53.34	27.64	-----	750.10	749.10	744.53	23	744.33	26
* 26	MAN ADJUST	RT	110+75.00	23.48	E	E	749.53	749.57	E	744.06	25	740.93	E
										740.94 E	27		

D=DITCH
*ROTATE EXISTING FLAT SLAB TOP TO ALIGN OPENING WITH PROP. CC&G.
E=EXISTING

PLAN & PROFILE SHEET - STA. 418+00 TO STA. 423+00

STORM SEWER STRUCTURE SCHEDULE

STR. NO.	STRUCTURE TYPE	OFF-SET SIDE	STA. OF C/L 2 FT. OPENING	OFFSET OF C/L 2 FT. OPENING	STA. OF C/L STR.	OFFSET OF C/L STR.	EX. T/O FRAME/ GRATE ELEV.	PR. T/O FRAME/ GRATE ELEV.	PR. T/O FLAT SLAB TOP ELEV.	INVERT IN ELEV.	U.S. STR. NO.	INVERT OUT ELEV.	D.S. STR. NO.
* 27	MANHOLE ADJUST	LT	110+75.00	14.48	E	E	749.73	749.65	E	741.35	30	741.33	26
28	RD INLET TY B T3 F8G	LT	418+19.0	21.56	418+19.00	22.06	-----	751.43	750.43	747.52	29	747.32	24
29	INLETS TA T1F OL	LT	418+24.00	26.08	418+24.00	26.08	-----	751.14	-----	-----	-----	747.60	28
30	NO WORK REQUIRED	RT	418+78.80	29.60	E	E	749.95	-----		741.66	31	741.62	27
** 31	RD MAN 4 DIA T8G	RT	419+44.90	30.90	419+44.90	29.90	-----	749.90	748.90	741.84	38	741.84	30
										746.26	32		
32	INLETS TA T3 F8G	RT	419+45.00	15.56	419+45	15.56	-----	750.52				746.41	31
*** 33	MAN RECON NEW T3 F8G	LT	419+39.26	24.24	E	E	749.54	750.35	749.35	741.04	E	741.05	36
										746.90	34		
34	RD INLET TYB T3 F8G	RT	119+54.12	15.16	119+53.99	15.64	-----	749.82	748.82	747.23	35	747.03	33
35	INLETS TA T3 F8G	LT	119+53.94	16.78	119+53.94	16.78	-----	749.83	-----	-----	-----	747.38	34
36	INLETS TA T3 F8G	LT	420+75.00	21.56	420+75.00	21.56	-----	749.71	-----	-----	-----	745.60	37
** 37	RD MAN 5 DIA TIF CL	LT	420+79.45	23.94	420+79.45	25.33	-----	750.16	749.16	740.46	33	740.46	42
										745.56	36		
38	NO WORK REQUIRED	RT	420+99.02	30.56	E	E	750.57	-----	-----	742.37	43	742.27	31
39	REMOVE INLETS	RT	420+99.68	19.62	E	E	748.38	-----	-----	-----	-----	746.36	38
40	INLETS TA T3 F8G	RT	420+99.90	15.56	420+99.90	15.56	-----	749.63	-----	-----	-----	746.40	38
41	INLETS TA T3 F8G	LT	421+50.00	21.56	421+50.00	21.56	-----	749.40	-----	-----	-----	E	E
** 42	RD MAN 5 DIA TIF CL	LT	421+54.63	24.12	421+54.06	25.51	-----	749.84	749.84	740.15	37	740.15	46
										745.23	41		
** 43	RD MAN 4 DIA TIF CL	RT	422+30.12	30.32	422+30.12	29.32	-----	749.50	748.50	743.16	49	743.16	38
										744.87	44		
44	INLETS TA T3 F8G	RT	422+30.00	15.56	422+30	15.56	-----	749.09	-----	-----	-----	744.98	43
45	INLETS TA T3 F8G	LT	422+30.00	21.56	422+30.00	21.56	-----	749.07	-----	-----	-----	744.96	46
** 46	RD MAN 5 DIA T1F CL	LT	422+34.83	24.31	422+34.26	25.70	-----	749.52	748.52	739.81	42	739.81	48
										744.90	45		

*ROTATE EXISTING FLAT SLAB TOP TO ALIGN 2' OPENING WITH PROPOSED CC&G.
E= EXISITING
** BUILD MANHOLE OVER EXISTING STORM SEWER. MANHOLE INVERT IS ESTIMATED. FIELD VERIFY.
*** REBUILD TOP OF 5' DIA MH WITH NEW FLAT SLAP TOP AND ADJUSTING RINGS.

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DRAWN BY: AJS
CHECKED BY: GLJ
DATED: 2/06
DESIGNED BY: CES

CITY SECTION
95-00305-01-PV

Philo Road Improvements
Drainage Structure Schedule
Sta 408+00 to Sta 423+00

SHEET NO
9
OF
62

DRAINAGE STRUCTURE SCHEDULE

PLAN & PROFILE SHEET - STA. 423+00 TO STA. 428+00

STORM SEWER STRUCTURE SCHEDULE

	STR. NO.	STRUCTURE TYPE	OFF-SET SIDE	STA. OF C/L 2 FT. OPENING	OFFSET OF C/L 2 FT. OPENING	STA. OF C/L STR.	OFFSET OF C/L STR.	EX. T/O FRAME/ GRATE ELEV.	PR. T/O FRAME/ GRATE ELEV.	PR. T/O FLAT SLAB TOP ELEV.	INVERT IN ELEV.	U.S. STR. NO.	INVERT OUT ELEV.	D.S. STR. NO.
	47	INLETS TA T3 F&G	LT	423+10.00	21.56	423+10.00	21.56	----	748.75	----	----	----	744.64	48
*	48	RD MAN 5 DIA TIF CL	LT	423+15.02	24.50	423+14.45	25.89	----	749.19	748.19	739.47	46	739.47	53
											744.58	47		
	49	NO WORK REQUIRED	RT	423+47.68	28.21	E	E	748.30	----	----	743.84	51	743.86	43
	50	NO WORK REQUIRED	RT	423+57.44	38.04	E	E	748.20	----	----	742.67	W	742.69	5
	51	REMOTE INLET	RT	423+59.46	14.93	E	E	747.72	----	----	----	----	744.87	49
	52	INLETS TA T3 F&G	RT	423+58.89	15.56	423+58.89	15.56	----	748.60	----	----	----	745.37	49
**	53	MAN RECON NEW TIF CL	LT	423+62.15	26.00	E	E	747.62	749.03	748.03	739.27	48	739.27	59
											745.49	54		
	54	INLETS TA T8G	LT	423+60.20	37.60	423+60.20	37.60	----	748.10	----	----	----	745.60	53
	55	INLETS TA T3 F&G	RT	423+89.78	15.56	423+89.78	15.56	----	748.57	----	----	----	745.51	52
	56	INLETS TA T3 F&G	LT	423+89.78	21.56	423+89.78	21.56	----	748.55	----	----	----	744.44	57
	57	RD INLET TB T3 F&G	LT	424+00.00	21.56	424+00.00	22.06	----	748.55	747.55	744.40	56	744.20	58
*	58	RD MAN 5 DIA TIF CL	LT	424+05.25	24.72	424+04.68	26.11	----	749.03	748.03	739.15	48	739.15	60
											744.14	57		
											745.20	59		
	59	INLETS TA T8G	LT	424+10.00	37.60	424+10.00	37.60	----	747.80	----	----	----	745.30	58
*	60	RD MAN 5 DIA TIF CL	LT	425+05.01	27.87	425+05.03	26.37	----	749.27	748.27	738.90	58	738.90	64
											744.92	61		
	61	INLETS TA T8G	LT	425+66.00	37.60	425+66.00	37.60	----	747.50	----	----	----	745.00	60
	62	NO WORK REQUIRED	RT	425+50.87	33.09	E	E	748.67	----	----	745.64	63	745.65	68
	63	INLET ADJ NEW T3 F&G	RT	425+50.29	17.34	E	E	748.03	748.74	----	----	----	746.17	62
*	64	RD MAN 5 DIA TIF CL	LT	425+66.00	25.03	425+66.00	26.53	----	749.20	748.20	738.70	60	738.70	66
											744.52	65		
	65	INLETS TA T8G	LT	425+66.00	37.60	425+66.00	37.60	----	747.10	----	----	----	744.60	64
*	66	RD MAN 5 DIA TIF CL	LT	426+22.00	25.18	426+22.00	26.68	----	748.99	747.99	738.54	64	738.54	73
										----	744.92	67		
	67	INLETS TA T8G	LT	426+22.00	37.60	426+22.00	37.60	----	747.50		----	----	745.00	66
*	68	RD MAN 4 DIA TIF CL	RT	426+70.00	35.91	426+70.00	34.91	----	748.50	747.50	745.57	62	745.57	74
											745.73	69		
	69	RD INLET TB T3 F&G	RT	426+70.00	22.16	426+70.00	22.66	----	748.32	747.49	745.77	70	745.77	68
	70	INLETS TA T3 F&G	RT	426+80.00	22.56	426+80.00	22.56	----	748.31	----	----	----	745.81	69
	71	INLETS TA T3 F&G	LT	426+60.00	21.56	426+60.00	21.56	----	748.43	----	----	----	744.32	72
	72	RD INLET TB T3 F&G	LT	426+70.00	21.56	426+70.00	22.06	----	748.43	747.43	744.28	71	744.08	73
*	73	RD MAN 5 DIA TIF CL	LT	426+75.47	25.43	426+74.91	26.82	----	748.92	747.92	738.39	66	738.39	77
											744.02	72		
	74	NO WORK REQUIRED	RT	427+44.76	36.05	E	E	748.89	----	----	745.09	68	744.96	86
											745.09	76		
	75	REMOTE INLET	RT	427+43.77	25.80	E	E	747.85	----	----	----	----	745.25	74
	76	INLETS TA T3 F&G	RT	427+43.76	25.11	427+43.76	25.11	----	748.43	----	----	----	745.25	74
	77	MAN RECON NEW TIF CL	LT	427+44.00	27.00	E	E	747.11	749.09	748.09	738.20	73	737.85	E
											738.14	79		
											744.78	78		
	78	INLETS TA T8G	LT	427+50.00	37.60	427+50.00	37.60	----	747.40	----	----	----	744.90	77

E= EXISTING
* BUILD MANHOLE OVER EXISTING STORM SEWER. MANHOLE INVERT IS ESTIMATED. FIELD VERIFY.
**REBUILD TOP OF 5' DIA. M.H. WITH NEW FLAT SLAB TOP AND ADJUSTING RINGS.

PLAN & PROFILE SHEET - STA. 428+00 TO STA. 433+00

STORM SEWER STRUCTURE SCHEDULE

	STR. NO.	STRUCTURE TYPE	OFF-SET SIDE	STA. OF C/L 2 FT. OPENING	OFFSET OF C/L 2 FT. OPENING	STA. OF C/L STR.	OFFSET OF C/L STR.	EX. T/O FRAME/ GRATE ELEV.	PR. T/O FRAME/ GRATE ELEV.	PR. T/O FLAT SLAB TOP ELEV.	INVERT IN ELEV.	U.S. STR. NO.	INVERT OUT ELEV.	D.S. STR. NO.
*	79	RD MAN 5 DIA TIF CL	LT	428+43.48	25.50	428+43.48	27.00	----	748.77	747.77	738.51	81	738.51	77
											745.48	80		
	80	INLETS TA TIF OL	LT	428+43.50	36.50	428+43.50	36.50	----	748.54	----	----	--	745.54	79
*	81	RD MAN 5 DIA TIF CL	LT	428+97.00	25.50	428+97.00	27.00	----	748.56	747.56	738.71	89	738.71	79
											745.14	82		
	82	INLETS TA TIF OL	LT	428+97.00	36.50	428+97.00	36.50	----	748.20	----	----	--	745.20	81
	83	INLETS TA T3 F&G	RT	429+41.00	26.56	429+41.00	26.56	----	748.30	----	----	--	745.26	85
	84	REMOVE INLET	RT	429+51.50	26.82	E	E	747.84	----	----	----	--	745.02	86
	85	RD INLET TB T3 F&G	RT	429+51.06	26.96	429+51.45	27.28	----	748.29	747.29	745.22	83	745.02	86
	86	NO WORK REQUIRED	RT	429+60.70	37.07	E	E	748.48	----	----	744.12	74	744.12	90
											744.12	85		
	87	INLETS TA T3 F&G	LT	429+51.01	21.56	429+51.01	21.56	----	748.50	----	----	--	744.39	88
	88	RD INLET TB T3 F&G	LT	429+61.00	21.56	429+61.00	22.06	----	748.50	747.50	744.35	87	744.15	89
*	89	RD MH 5 DIA T8G	LT	429+66.00	28.50	429+66.00	27.00	----	748.17	747.17	738.96	93	738.96	81
											744.29	88		
	90	NO WORK REQUIRED	RT	430+60.71	16.80	E	E	747.40	----	----	743.51	86	743.50	91
	91	NO WORK REQUIRED	RT	430+60.21	18.34	E	E	747.41	----	----	742.99	90	742.97	94
	92	INLET TA T8G	LT	431+22.74	29.60	431+22.74	29.60	----	748.30	----	----	--	745.30	93
**	93	MAN RECON NEW TIF CL	LT	431+28.00	27.00	E	E	747.79	749.10	748.10	739.56	99	739.56	89
											745.20	92		
	94	NO WORK REQUIRED	RT	431+64.00	51.50	E	E	748.94	----	----	741.53	91	741.52	E
											741.53	95		
	95	RD INLET TB TIF OL	RT	431+63.10	29.60	431+63.10	30.08	----	748.60	747.60	743.95	97	741.94	94
	96	REMOVE INLET	RT	431+62.93	26.25	E	E	747.61	----	----	----	--	742.01	94
	97	RD INLET TB T3 F&G	RT	431+82.00	26.56	431+82.00	27.06	----	748.38	747.38	744.23	98	744.03	95
	98	INLET TA T3 F&G	RT	431+91.93	26.56	431+91.93	26.56	----	748.38		----	--	744.27	97
*	99	RD MAN 5 DIA TIF CL	LT	431+65.94	25.34	431+65.94	26.84	----	747.50	747.50	739.64	104	739.64	93
											744.92	100		
											744.17	101		
	100	INLETS TA TIF OL	LT	431+66.00	35.00	431+66.00	35.00	----	747.97	----	----	--	744.97	99
	101	RD INLET TB T3 F&G	LT	431+82.00	21.56	431+82.00	22.06	----	748.58	747.58	744.43	102	744.23	99
	102	INLETS TA T3 F&G	LT	431+91.93	21.56	431+91.93	21.56	----	748.58	----	----	--	744.47	101

E= EXISTING
* = BUILD MANHOLE OVER EXISTING STORM SEWER, MANHOLE INVERT IS ESTIMATED, FIELD VERIFY
** = REBUILD TOP OF 5' DIA. MANHOLE WITH NEW FLAT SLAB TOP AND ADJUSTING RINGS

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DRAWN BY: AJS
CHECKED BY: GLJ
DATED: 2/06
DESIGNED BY: CES

CITY SECTION
95-00305-01-PV

Philo Road Improvements
Drainage Structure Schedule
Sta 423+00 to Sta 433+00

SHEET NO.
10
OF
62

Feb15,2006 11:19am DRAINAGE STR SCHEDULE.dwg

DRAINAGE STRUCTURE SCHEDULE

PLAN & PROFILE SHEET - STA. 433+00 TO STA. 438+00

STORM SEWER STRUCTURE SCHEDULE

	STR. NO.	STRUCTURE TYPE	OFF-SET SIDE	STA. OF C/L 2 FT. OPENING	OFFSET OF C/L 2 FT. OPENING	STA. OF C/L STR.	OFFSET OF C/L STR.	EX. T/O FRAME/ GRATE ELEV.	PR. T/O FRAME/ GRATE ELEV.	PR. T/O FLAT SLAB TOP ELEV.	INVERT IN ELEV.	U.S. STR. NO.	INVERT OUT ELEV.	D.S. STR. NO.
	103	REMOVE INLET	LT	433+29.00	26.18	E	E	747.06	----	----	740.01	105	740.01	99
*	104	RD MAN 5 DIA TIF CL	LT	433+22.97	24.68	433+22.97	26.18	----	748.63	747.63	740.01	105	740.01	99
*	105	RD MAN 5 DIA T8G	LT	434+33.00	28.66	433+33.00	33.00	----	748.10	747.10	740.41	112	740.41	103
											744.20	106		
	106	RD INLET TB T3 F8G	LT	434+41.68	21.56	434+41.68	22.06	----	748.58	747.58	744.43	107	744.23	105
	107	INLETS TA T3 F8G	LT	434+52.00	21.56	434+52.00	21.56	----	748.58	----	----	---	744.47	106
	108	INLETS TA T3 F8G	RT	434+41.68	15.56	434+41.68	15.56	----	748.60	----	----	---	744.24	109
	109	RD INLET TB T3 F8G	RT	434+52.00	15.56	434+52.00	16.06	----	748.61	747.61	744.16	108	743.96	110
	110	RD INLET TB T8G	RT	434+86.30	23.20	434+86.30	23.72	----	747.80	746.80	743.63	109	742.39	E
	111	REMOVE INLET	RT	434+86.95	26.68	E	E	747.47	----	----	----	---	742.37	E
	112	MAN ADJUST	LT	435+27.02	28.70	E	E	747.70	748.65	----	740.75	113	740.75	105
	113	INLETS ADJ NEW T8G	LT	436+33.00	33.00	E	E	747.43	748.60	----	741.42	120	741.42	112
	114	INLETS TA TIF OL	RT	436+78.00	27.60	436+78.00	27.60	----	748.10	----	----	---	743.94	115
	115	RD INLET TB T3 F8G	RT	437+24.00	15.56	437+24.00	16.06	----	748.33	747.33	743.49	114	743.29	116
	116	RD MAN 4 DIA T3 F8G	RT	437+34.00	15.56	437+34.00	16.56	----	748.33	747.33	743.25	115	742.95	119
											744.87	117		
	117	INLET TA T8G	RT	437+48.00	24.00	437+48.00	24.00	----	747.50	----	----	--	745.00	116
	118	INLETS TA T3 F8G	LT	437+24.00	21.56	437+24.00	21.56	----	748.32	----	----	---	744.21	119
	119	RD MAN 4 DIA T3 F8G	LT	437+34.00	21.56	437+34.00	22.56	----	748.32	747.32	742.77	116	742.47	120
											744.18	118		
*	120	RD MAN 5 DIA T8G	LT	437+34.00	32.48	437+34.00	30.98	----	748.30	747.30	741.44	125	741.44	113
											742.45	119		

E= EXISTING
* = BUILD MANHOLE OVER EXISTING STORM SEWER, MANHOLE INVERT IS ESTIMATED, FIELD VERIFY

PLAN & PROFILE SHEET - STA. 438+00 TO STA. 443+00

STORM SEWER STRUCTURE SCHEDULE

	STR. NO.	STRUCTURE TYPE	OFF-SET SIDE	STA. OF C/L 2 FT. OPENING	OFFSET OF C/L 2 FT. OPENING	STA. OF C/L STR.	OFFSET OF C/L STR.	EX. T/O FRAME/ GRATE ELEV.	PR. T/O FRAME/ GRATE ELEV.	PR. T/O FLAT SLAB TOP ELEV.	INVERT IN ELEV.	U.S. STR. NO.	INVERT OUT ELEV.	D.S. STR. NO.
	121	NO WORK REQUIRED	RT	438+15.00	33.00	E	E	749.20	----	----	742.37	E	742.36	133
	122	INLETS TA T8G	RT	439+32.00	24.00	439+32.00	24.00	----	747.35	----	----	----	744.33	123
	123	RD INLET TB T3 F8G	RT	439+32.00	15.56	439+32.00	16.05	----	748.21	747.21	744.30	122	744.20	124
	124	RD INLET TB T3 F8G	LT	439+32.00	21.56	439+32.00	22.06	----	748.19	747.19	744.02	123	743.92	125
*	125	MAN RECON NEW T8G	LT	439+32.00	28.50	E	E	747.12	747.91	746.91	742.63	127	741.86	120
											743.90	124		
											742.48	NW		
											742.63	126		
	126	REMOVE INLET	LT	440+32.00	25.00	E	E	747.06	----	----	744.46	128	744.08	125
	127	RD INLET TB T1 OL	LT	440+50.00	26.50	440+50.00	27.00	----	748.13	747.13	743.87	129	743.67	125
	128	NOT USED												
†	129	INLET ADJ NEW T3 F8G	LT	440+79.20	21.50	E	E	747.06	747.53	----	744.26	BC	744.16	127
											744.46	130		
	130	INLETS TA T3 F8G	LT	440+92.81	21.56	440+92.81	21.56	----	747.52	----	----	----	744.52	129
**	131	INLETS SPL T3 F8G	RT	440+79.01	18.84	440+79.01	18.90	----	747.48	----	744.54	132	744.34	BC
	132	INLETS TA T3 F8G	RT	440+92.82	19.24	440+92.82	19.24	----	747.47	----	----	----	744.60	131
	133	NO WORK REQUIRED	RT	441+16.41	35.57	E	E	746.15	----	----	740.78	121	740.76	134
	134	MAN ADJ NEW TIS LID	RT	441+64.91	52.66	E	E	745.13	----	----	740.36	133	731.44	E
											731.46	W		
											732.95	SW		
	135	REMOVE INLET	LT	441+37.00	28.00	E	E	746.77	----	----	----	----	744.07	137
***	136	INLETS TA T3 F8G	LT	441+36.96	32.15	441+36.96	32.15	----	747.18	----	----	----	743.74	137
	137	NO WORK REQUIRED	LT	441+37.00	44.50	E	E	747.48	----	----	742.78	136	740.68	W
											740.32	NE		
											740.98	NE		
	138	REMOVE INLET	LT	441+80.00	26.50	E	E	746.84	----	----	----	----	744.34	W
***	139	INLETS TA T3 F8G	LT	441+80.00	42.19	441+80.00	42.19	----	747.13	----	----	----	744.30	W
	140	REMOVE INLET	LT	442+22.87	21.25	E	E	747.10	----	----	----	----	745.20	142
	141	INLETS TA T3 F8G	LT	442+27.09	24.77	442+27.09	24.77	----	747.84	----	----	----	745.20	142
	142	INLETS ADJ NEW T8G	LT	442+33.00	29.00	E	E	747.57	747.70	----	745.23	141	744.98	145

E= EXISTING
* REBUILD TOP OF 5' DIA MH WITH NEW FLAT SLAP TOP AND ADJUSTING RINGS.
BC = BOX CULVERT
** SEE DETAIL SHEET
*** BUILD INLET OVER EXISTING STORM SEWER. INLET INVERT IS ESTIMATED, FIELD VERIFY.
† = CONNECT PROPOSED PIPES TO EXISTING INLET.

PLAN & PROFILE SHEET - STA. 443+00 TO STA. 448+00

STORM SEWER STRUCTURE SCHEDULE

	STR. NO.	STRUCTURE TYPE	OFF-SET SIDE	STA. OF C/L 2 FT. OPENING	OFFSET OF C/L 2 FT. OPENING	STA. OF C/L STR.	OFFSET OF C/L STR.	EX. T/O FRAME/ GRATE ELEV.	PR. T/O FRAME/ GRATE ELEV.	PR. T/O FLAT SLAB TOP ELEV.	INVERT IN ELEV.	U.S. STR. NO.	INVERT OUT ELEV.	D.S. STR. NO.
	143	REMOVE INLET	LT	443+61.02	24.34	E	E	747.15	----	----	----	--	744.80	145
*	144	INLETS TA T3 F8G	LT	443+61.67	25.56	443+61.67	25.56	----	747.58	----	----	--	744.80	145
	145	NO WORK REQUIRED	LT	443+65.89	30.90	E	E	747.66	----	----	743.48	142	743.48	N
											744.84	144		
											744.56	W		
	146	RD INLET TB T3 F8G	RT	444+43.34	28.76	444+43.09	29.19	----	747.12	746.12	----	--	743.41	147
	147	REMOVE INLET	RT	444+59.03	29.02	E	E	745.68	----	----	----	--	742.98	E

E= EXISTING
* BUILD INLET OVER EXISTING STORM SEWER. INLET INVERT IS ESTIMATED, FIELD VERIFY.

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DRAWN BY: AJS
CHECKED BY: GLJ
DATED: 2/06
DESIGNED BY: CES

CITY SECTION
95-00305-01-PV

Philo Road Improvements
Drainage Structure Schedule
Sta 433+00 to Sta 448+00

SHEET NO.
11
OF
62

DRAINAGE PIPE SCHEDULE

PLAN & PROFILE SHEET STA. 408+00 TO STA. 413+00

STORM SEWER PIPE SCHEDULE						
LOCATION STR. – STR. OR STA., O.S.	STORM SEW CL A 2 12 (FOOT)	SS1 WMQ 12 (FOOT)	SS2 WMQ 12 (FOOT)		GRADE %	TRENCH BACKFILL SPECIAL (CU YD)
1 – 2	38				0.50	5.2
2 – 4	110				0.50	41.4
4 – 5	7				0.50	2.3
5 – 6			36		0.50	11.8
6 – 7			7		0.50	1.0
7 – 8		49			0.75	0.1

PLAN & PROFILE SHEET STA. 413+00 TO STA. 418+00

STORM SEWER PIPE SCHEDULE								
LOCATION STR. – STR. OR STA., O.S.	STORM SEW CL A 1 12 (FOOT)	STORM SEW CL A 2 12 (FOOT)	STORM SEW CL A 2 15 (FOOT)	STORM SEW CL A 2 18 (FOOT)	SS2 WMQ 12 (FOOT)		GRADE %	TRENCH BACKFILL SPECIAL (CU YD)
10 – 11		29					0.50	8.1
11 – 12					62		0.50	27.8
9 – 12	69						0.50	2.9
12 – 14		36					0.50	12.4
13 – 14	4						2.00	––
14 – 15					35		0.50	10.5
15 – 16					8		0.50	1.9
14 – 17		7					0.50	2.7
17 – 19		191					0.50	83.7
18 – 19	4						2.00	––
20 – 22					74		0.74	11.1
19 – 21			72				0.50	57.9
22 – 24					55		0.74	12.6
21 – 23			55				0.50	67.0
23 – 24					36		1.00	15.4
24 – 28					83		0.50	25.3
23 – 25				20			0.50	1.3
25 – 26				54			0.50	33.5

PLAN & PROFILE SHEET STA. 418+00 TO STA. 423+00

STORM SEWER PIPE SCHEDULE							
LOCATION STR. – STR. OR STA., O.S.	STORM SEW CL A 1 12 (FOOT)	STORM SEW CL A 2 12 (FOOT)	SS1 WMQ 12 (FOOT)	SS2 WMQ 12 (FOOT)		GRADE %	TRENCH BACKFILL SPECIAL (CU YD)
28 – 29			4			2.0%	0.8
31 – 32		15				1.0%	0.9
33 – 34				27		0.50%	3.6
34 – 35		30				0.50%	3.0
36 – 37		2				2.0%	0.5
39 – 40	4					1.0%	0.3
41 – 42		3				2.0%	0.8
43 – 44		11				1.0%	1.2
45 – 46		3				2.0%	0.8

PLAN & PROFILE SHEET STA. 423+00 TO STA. 428+00

STORM SEWER PIPE SCHEDULE							
LOCATION STR. – STR. OR STA., O.S.	STORM SEW CL A 1 12 (FOOT)	STORM SEW CL A 2 12 (FOOT)	SS1 WMQ 12 (FOOT)	SS2 WMQ 12 (FOOT)		GRADE %	TRENCH BACKFILL SPECIAL (CU YD)
47 – 48		3				2.0%	0.8
52 – 55	29					0.5%	3.8
53 – 54			11			1.0%	0.8
56 – 57		8				0.5%	1.9
57 – 58		3				2.0%	0.9
58 – 59			10			1.0%	––
60 – 61			8			1.0%	––
64 – 65			8			1.0%	––
66 – 67			8			1.0%	––
68 – 69	9					0.5%	0.3
69 – 70	8					0.5%	0.6
71 – 72				8		0.5%	1.9
72 – 73				3		2.0%	1.0
75 – 76	1					1.0%	––
77 – 78			12			1.0%	––

PLAN & PROFILE SHEET STA. 428+00 TO STA. 433+00

STORM SEWER PIPE SCHEDULE							
LOCATION STR. – STR. OR STA., O.S.	STORM SEW CL A 1 12 (FOOT)	STORM SEW CL A 2 12 (FOOT)	SS1 WMQ 12 (FOOT)	SS2 WMQ 12 (FOOT)		GRADE %	TRENCH BACKFILL SPECIAL (CU YD)
79–80			6			1.0	1.1
81–82			6			1.0	1.2
83–85	8					0.5	1.0
87–88		8				0.5	1.9
88–89		3				2.0	––
92–93			5			2.0	––
95–97		17				0.5	4.6
97–98		8				0.5	1.9
99–100			5			1.0	0.8
99–101				13		0.5	3.6
101–102		8				0.5	1.9

PLAN & PROFILE SHEET STA. 433+00 TO STA. 438+00

STORM SEWER PIPE SCHEDULE							
LOCATION STR. – STR. OR STA., O.S.	STORM SEW CL A 1 12 (FOOT)	STORM SEW CL A 2 12 (FOOT)	SS1 WMQ 12 (FOOT)	SS2 WMQ 12 (FOOT)		GRADE %	TRENCH BACKFILL SPECIAL (CU YD)
105–106		6				0.5	0.7
106–107		8				0.5	1.9
108–109		8				1.0	2.1
109–110		33				1.0	3.2
110–111		2				1.0	––
114–115		45				1.0	11.1
115–116		7				0.5	2.3
116–117	13					1.0	––
116–119		36				0.5	14.7
118–119		7				0.5	1.7
119–120				4		0.5	––

PLAN & PROFILE SHEET STA. 438+00 TO STA. 443+00

STORM SEWER PIPE SCHEDULE					
LOCATION STR. – STR. OR STA., O.S.	STORM SEW CL A 1 12 (FOOT)	STORM SEW CL A 2 12 (FOOT)		GRADE %	TRENCH BACKFILL SPECIAL (CU YD)
122–123	6			0.5	––
123–124		36		0.5	9.5
124–125		4		0.5	––
125–127		117		0.89	13.4
127–129		29		1.0	3.4
129–130	12			0.5	1.4
131–132	12			0.5	1.0

PLAN & PROFILE SHEET STA. 443+00 TO STA. 448+00

STORM SEWER PIPE SCHEDULE				
LOCATION STR. – STR. OR STA., O.S.	STORM SEW CL A 1 18 (FOOT)		GRADE %	TRENCH BACKFILL SPECIAL (CU YD)
146 – 147	17		2.5	2.6

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DRAWN BY: AJS
CHECKED BY: GLJ
DATED: 2/06
DESIGNED BY: CES
CITY SECTION
95–00305–01–PV

Philo Road Improvements
Drainage Pipe Schedule
Sta 408+00 to Sta 448+00

SHEET NO
12
OF
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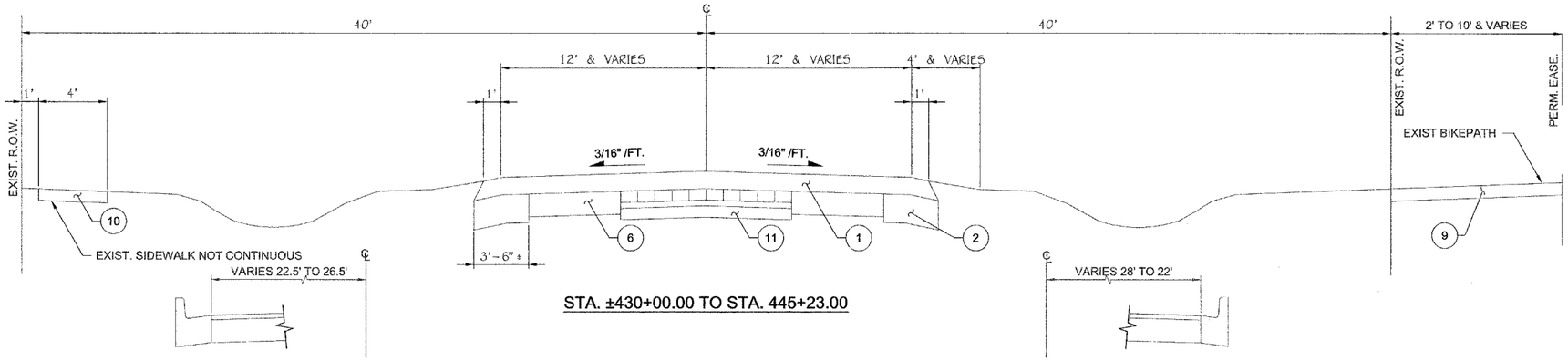
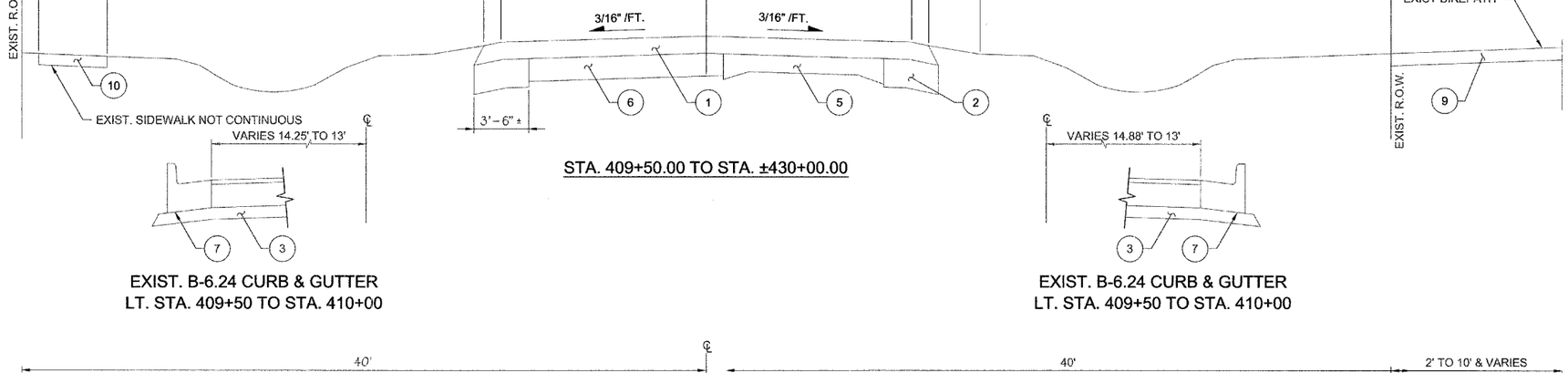
SIDE ROADS	ESTIMATED PAVEMENT THICKNESS
SCVOILL STREET	11"
AMBER LANE	4"
McHENRY STREET	7"
MUMFORD DRIVE	1.1'
SILVER STREET	1.2'
HARDING DRIVE	1.2'
COLORADO AVENUE	3.5"



STA. ±430+00.00 TO STA. 445+23.00

EXIST. B-6.18 CURB & GUTTER
LT. STA. 440+29 TO STA. 445+00

EXIST. B-6.12 CURB & GUTTER
LT. STA. 429+44 TO STA. 437+12



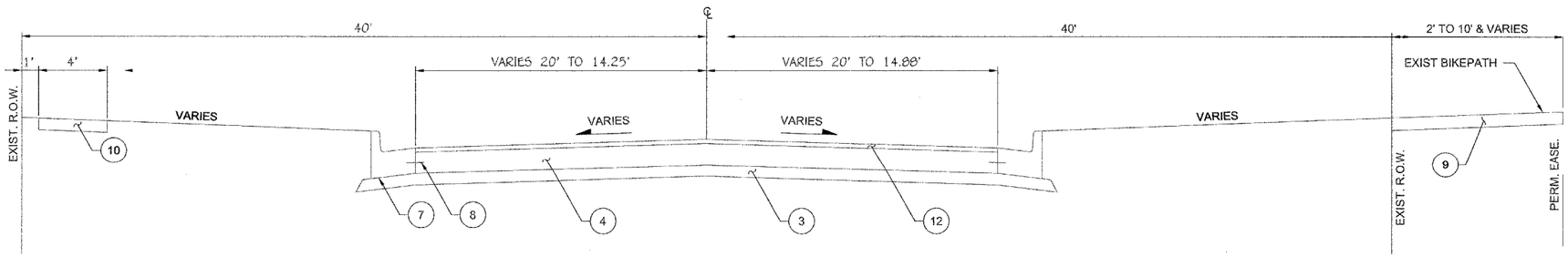
STA. 409+50.00 TO STA. ±430+00.00

EXIST. B-6.24 CURB & GUTTER
LT. STA. 409+50 TO STA. 410+00

EXIST. B-6.24 CURB & GUTTER
LT. STA. 409+50 TO STA. 410+00

LEGEND

1. EXIST. BITUMINOUS SURFACE, ±5~8"
2. EXIST. BITUMINOUS CONCRETE BASE COURSE WIDENING, 10"
3. EXIST. SUB-BASE GRANULAR MATERIAL, TYPE A, 4"
4. EXIST. PORTLAND CEMENT CONC. BASE COURSE, 8"
5. EXIST. PCC PAVEMENT, 9"-6"-9", N.R.
6. EXIST. AGGREGATE BASE COURSE, 8"
7. EXIST. CONC. CURB & GUTTER, TYPE B-6.24
8. EXIST. TIEBARS
9. EXIST. BIKEPATH, PCC CONC. 5" OR BIT. CONC. 6"
10. EXIST. SIDEWALK
11. EXIST. BRICK PAVEMENT, 10"
12. EXIST. BITUMINOUS CONC. SURFACE COURSE, MIXTURE D, CLASS 1, TYPE 2, 1 1/2"
    EXIST. BITUMINOUS CONC. BINDER COURSE, MIXTURE B, TYPE 2, 1 1/2"



STA. 407+20.00 TO STA. 409+50.00

CITY OF URBANA
PUBLIC WORKS

DRAWN BY: AJS
CHECKED BY: GLW
DATED: 2/06
DESIGNED BY: CFS

Philo Road Improvements
Existing Typical Sections

SHEET
13
OF
67

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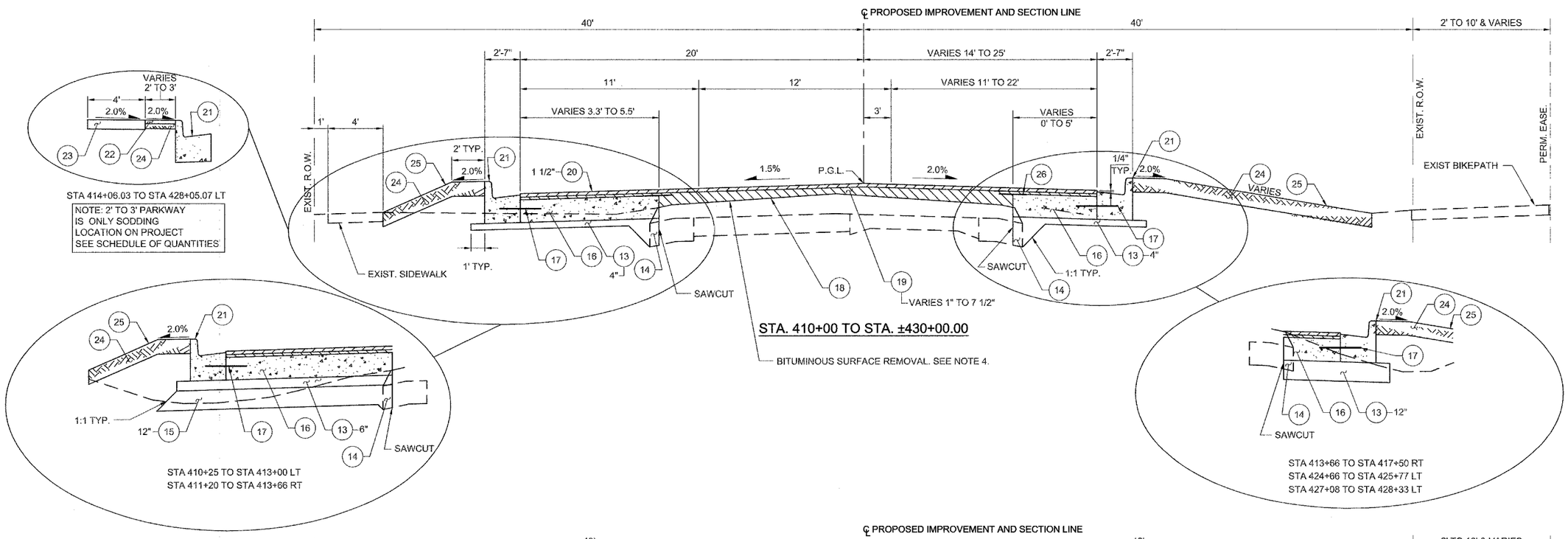


LEGEND

13. PROP. SUB-BASE, GRANULAR MATERIAL, TYPE B
14. PROP. PAVEMENT REMOVAL (SPECIAL)
15. PROP. AGGREGATE SUBGRADE SPECIAL
16. PR0P. PORTLAND CEMENT CONCRETE BASE COURSE WIDENING, 7 1/2"
17. PROP. #6 x 30" TIEBAR ON 24" CENTERS
18. PROP. BITUMINOUS MATERIALS, PRIME COAT
19. PROP. POLYMERIZED LEVELING BINDER, SUPERPAVE N90 (MAXIMUM LIFT THICKNESS SHALL BE 2 1/2")
20. PROP. POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N90
21. PROP. COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
22. PROP. SODDING
23. PROP. PCC SIDEWALK, 5"
24. PROP. TOPSOIL PLACEMENT, 4"
25. PROP. SEEDING AND MULCH
26. PROP. STRIP REFLECTIVE CRACK CONTROL

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

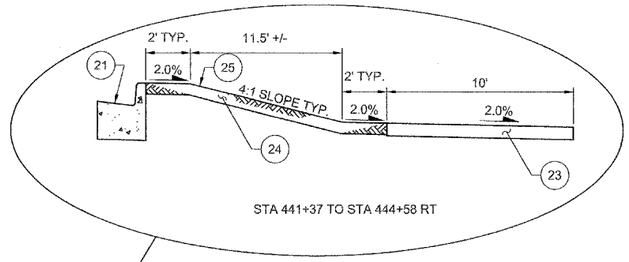
DRAWN BY: AJS
CHECKED BY: GLJ
DATED: 2/06
DESIGNED BY: CES

CITY SECTION
95-00305-01-PW

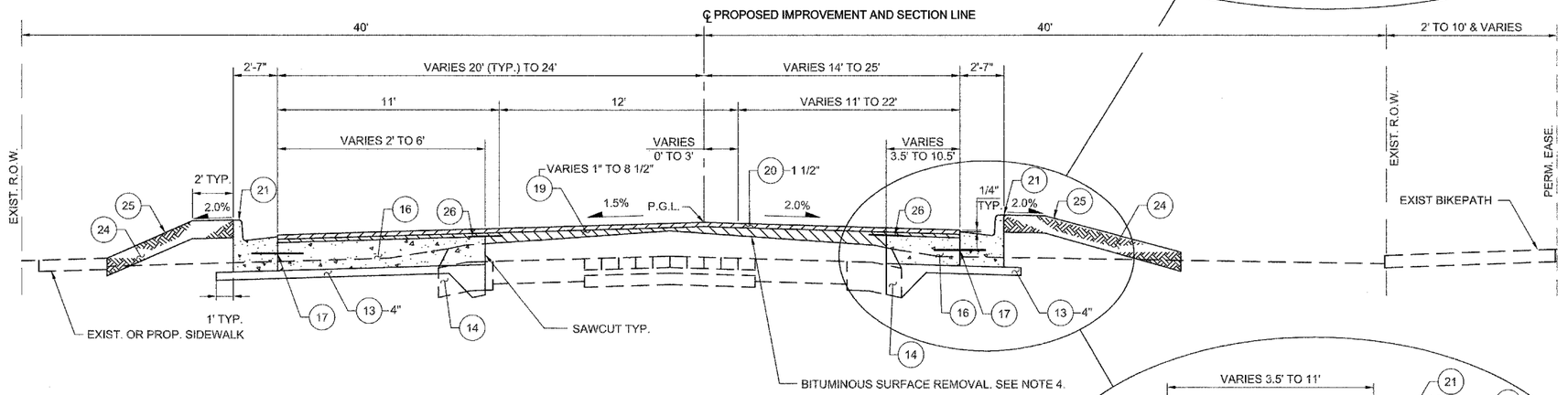
Philo Road Improvements
Proposed Typical Sections

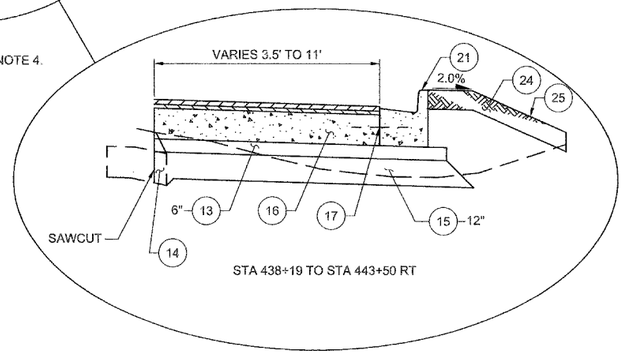
SHEET NO.
14
OF
62

Feb15,2006 10:53am TYPSEC_PR.DWG



STA 441+37 TO STA 444+58 RT





STA 438+19 TO STA 443+50 RT

BITUMINOUS CONCRETE MIXTURE REQUIREMENTS

LOCATION	ALL	ALL
MIXTURE USE:	SURFACE	LEVELING BINDER
AC/PG	SBS PG 70-22	SBS PG 70-22
RAP % (MAX)	0%	0%
DESIGN AIR VOIDS	4.0% @ NDES = 90	4.0% @ NDES = 90
MIXTURE COMPOSITION (GRADATION)	IL 9.5	IL 9.5
FRICTION AGGREGATE	MIX D	MIX C

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

STRUCTURAL PAVEMENT DESIGN INFORMATION

PHILO ROAD - PAVEMENT WIDENING

STRUCTURAL DESIGN TRAFFIC: YEAR 2026

PV = 10040 SU = 207 MU = 103

ROAD/STREET CLASSIFICATION: CLASS II

PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:

P = 50% S = 50% M = 50%

TRAFFIC FACTOR: TF = 0.72

SUBGRADE SUPPORT RATING: SSR = "POOR"

MINIMUM STRUCTURAL DESIGN REQUIREMENTS:

BIT. CONCRETE SURFACE COURSE	=1 1/2"
BIT. CONCRETE BINDER COURSE	=2"
CONCRETE BASE COURSE	=7 1/2"
GRANULAR SUBBASE	=4"

STA. ±430+00.00 TO STA. 445+23.00

NOTES:

1. THE LEVELING BINDER SHALL BE PLACED IN 2-1/2" MAXIMUM LIFTS.
2. THE EXISTING EARTH SHALL BE UNDERCUT BELOW THE PROPOSED PAVEMENT TO THE DEPTH AND LOCATION SHOWN ON THE CROSS SECTIONS. AGGREGATE SUBGRADE, SPECIAL AND/OR SUBBASE GRANULAR MATERIAL SHALL TYPE B SHALL BE PLACED AND COMPACTED IN THE UNDERCUT AREAS. THE EARTH FROM THE UNDERCUT AREAS SHALL BE PLACED AS EMBANKMENT IN FILL AREAS BEHIND THE PROPOSED BACK OF CURBS. UNDERCUT WILL NOT BE ALLOWED AS FILL UNDER PAVEMENTS OR SIDEWALKS. EXCESS VOLUME OF UNDERCUT EXCAVATED WHICH IS NOT USED FOR EMBANKMENT AND IS WASTE AND IS DISPOSED OF OFF THE SITE WILL NOT BE PAID FOR SEPARATELY AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. EMBANKMENT WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN THE COST OF THE OTHER EARTHWORK ITEMS. SEE THE CROSS SECTIONS AND THE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.
3. SEE PLAN AND PROFILE SHEETS FOR THE EXCATE LOCATIONS OF EDGES OF PAVEMENTS, CURB AND GUTTERS, SIDEWALKS AND RIGHT-OF-WAY LINES. SEE CROSS SECTIONS FOR EXACT SIDE SLOPE RATIOS.
4. BITUMINOUS SURFACE REMOVAL 1" (TO REMOVE RUTTING)
   STA. 408+68 TO STA. 424+73
   STA. 438+19 TO STA. 444+33

   BITUMINOUS SURFACE REMOVAL 1 1/2"
   STA. 407+20 TO STA. 408+68
   STA. 444+33 TO STA. 445+23

LEGEND

13. PROP. SUB-BASE, GRANULAR MATERIAL, TYPE B
14. PROP. PAVEMENT REMOVAL (SPECIAL)
15. PROP. AGGREGATE SUBGRADE SPECIAL
16. PR0P. PORTLAND CEMENT CONCRETE BASE COURSE WIDENING, 7 1/2"
17. PROP. #6 x 30" TIEBAR ON 24" CENTERS
18. PROP. BITUMINOUS MATERIALS, PRIME COAT
19. PROP. POLYMERIZED LEVELING BINDER, SUPERPAVE N90 (MAXIMUM LIFT THICKNESS SHALL BE 2 1/2")
20. PROP. POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N90
21. PROP. COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
22. PROP. SODDING
23. PROP. PCC SIDEWALK, 5"
24. PROP. TOPSOIL PLACEMENT, 4"
25. PROP. SEEDING AND MULCH
26. PROP. STRIP REFLECTIVE CRACK CONTROL

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

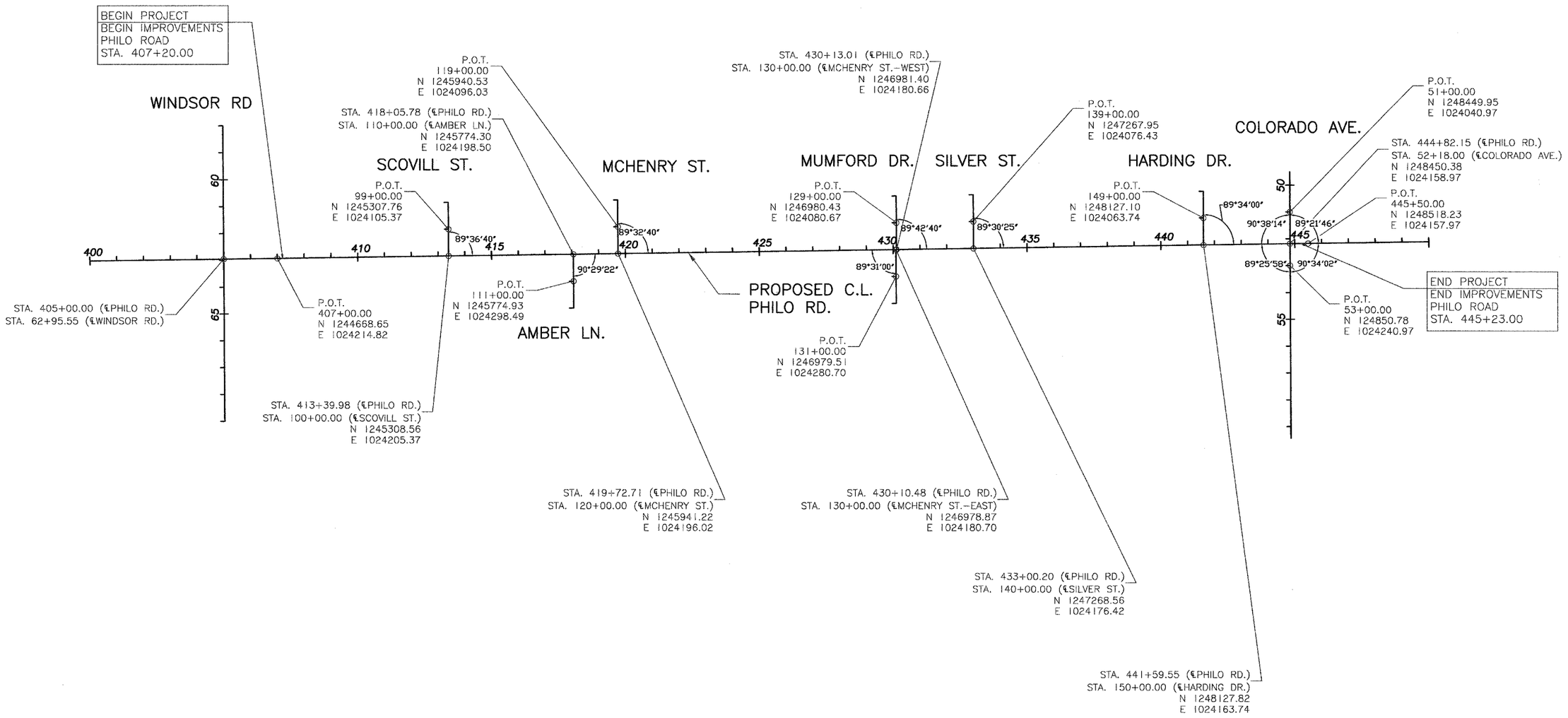
DRAWN BY: AJS
CHECKED BY: GLJ
DATED: 2/06
DESIGNED BY: CES

CITY SECTION
95-00305-01-PW

Philo Road Improvements
Proposed Typical Sections

SHEET NO.
15
OF
62

Feb15,2006 10:53am TYPSEC_PR.DWG



CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DRAWN BY: AJS
CHECKED BY: GLJ
DATED: 2/06
DESIGNED BY: CES

CITY SECTION
95-00305-01-PV

Philo Road Improvements
Horizontal Alignment Layout

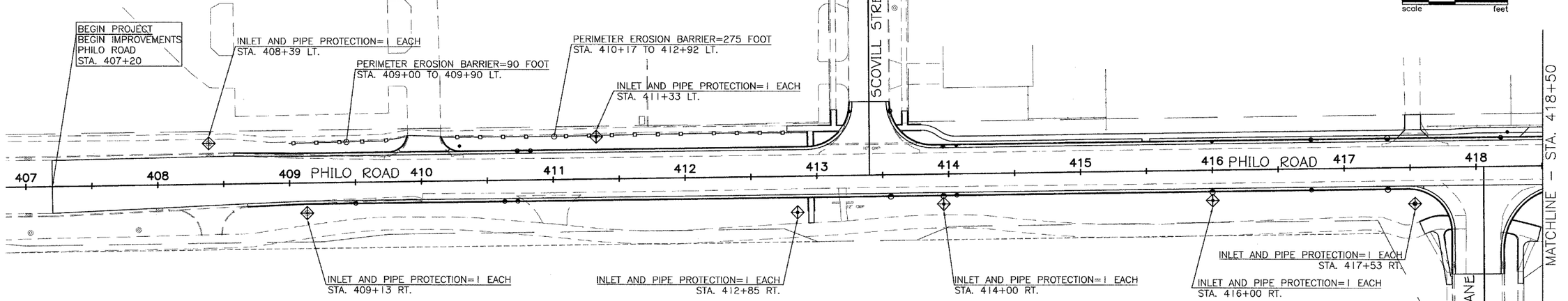
SHEET NO.
16
OF
62

Feb15,2006 10:50am HORIZ ALIGN.dwg

INLET FILTERS = 78 EACH
PLACED AT ALL DRAINAGE STRUCTURES WITHIN PAVED AREAS WITH OPEN LIDS OR GRATES.

LEGEND
INDICATES INLET AND PIPE PROTECTION
INDICATES PERIMETER EROSION BARRIER

0 40 80
scale feet

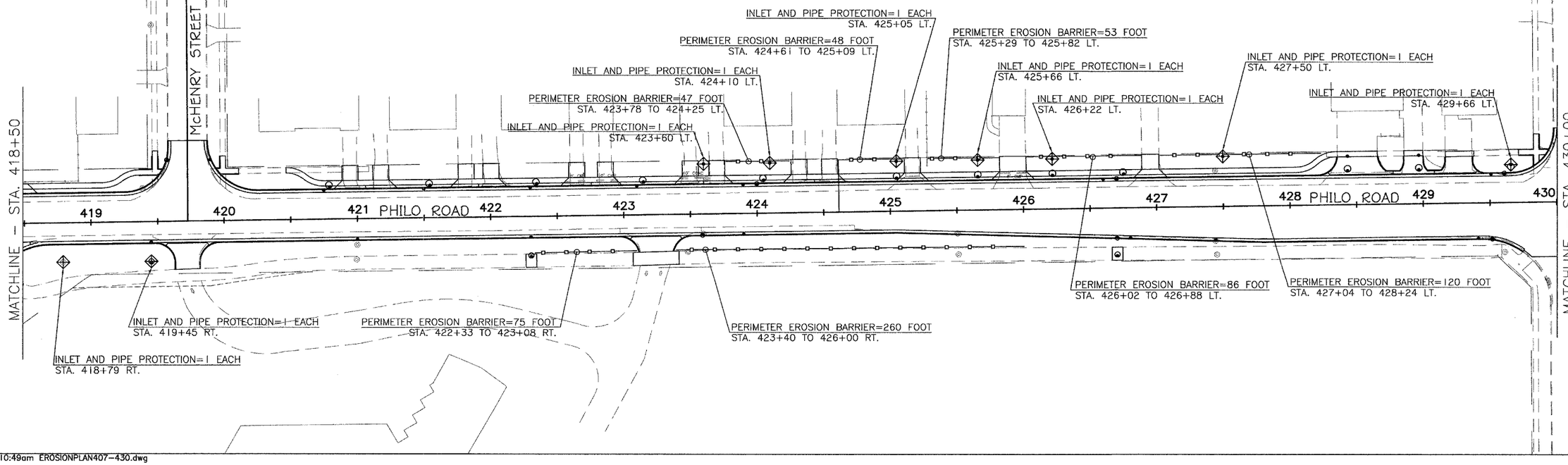


EROSION CONTROL SYSTEMS INSTALLATION SEQUENCE

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

NOTES

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



CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

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CHECKED BY: GLJ
DATED: 2/06
DESIGNED BY: CES

CITY SECTION
95-00305-01-PV

Philo Road Improvements
Storm Water Pollution Prevention Plan
Sta 407+20 to Sta 430+00

SHEET NO
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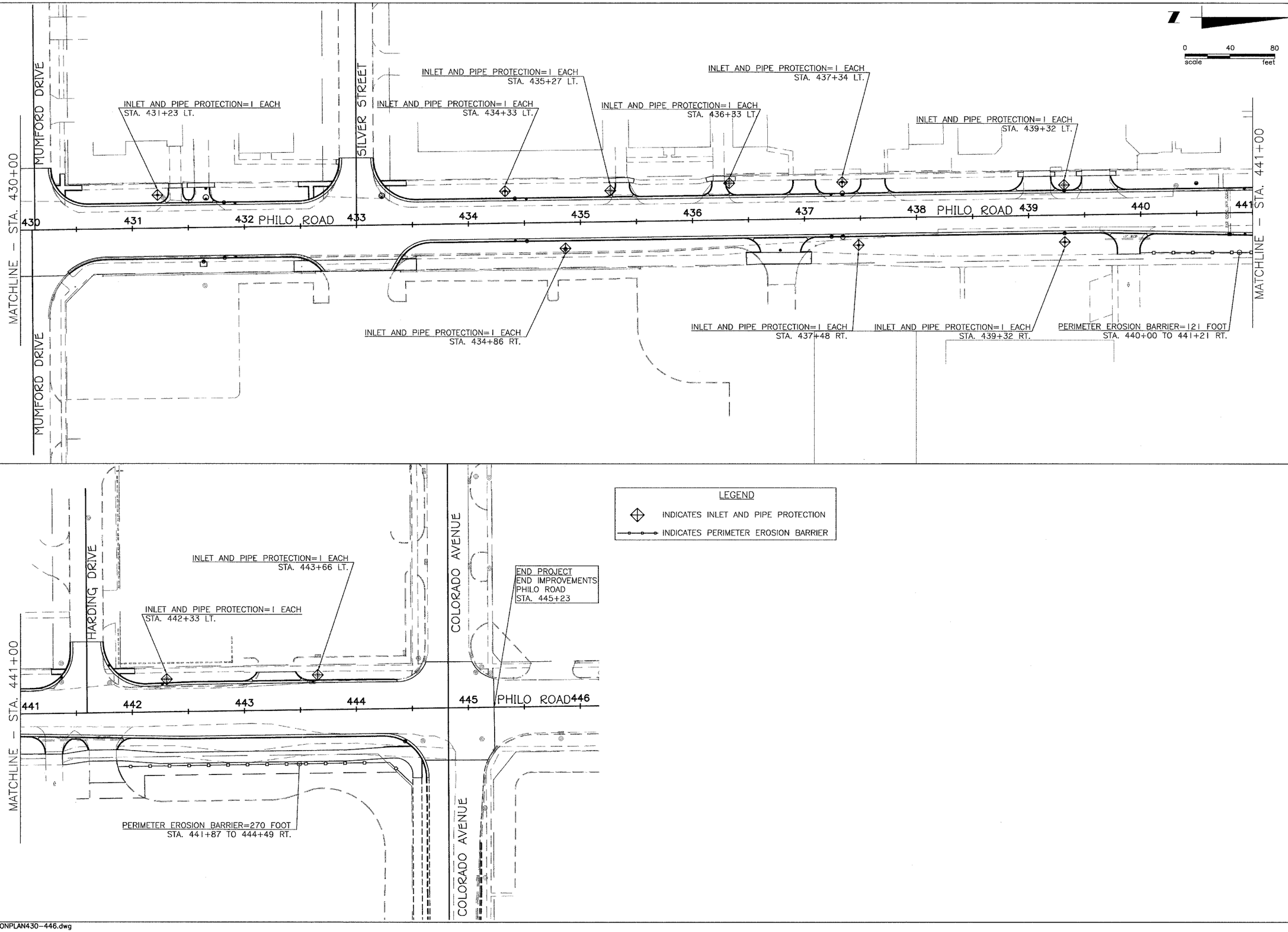
62

Feb15,2006 10:49am EROSIONPLAN407-430.dwg

Contract No. 9



CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

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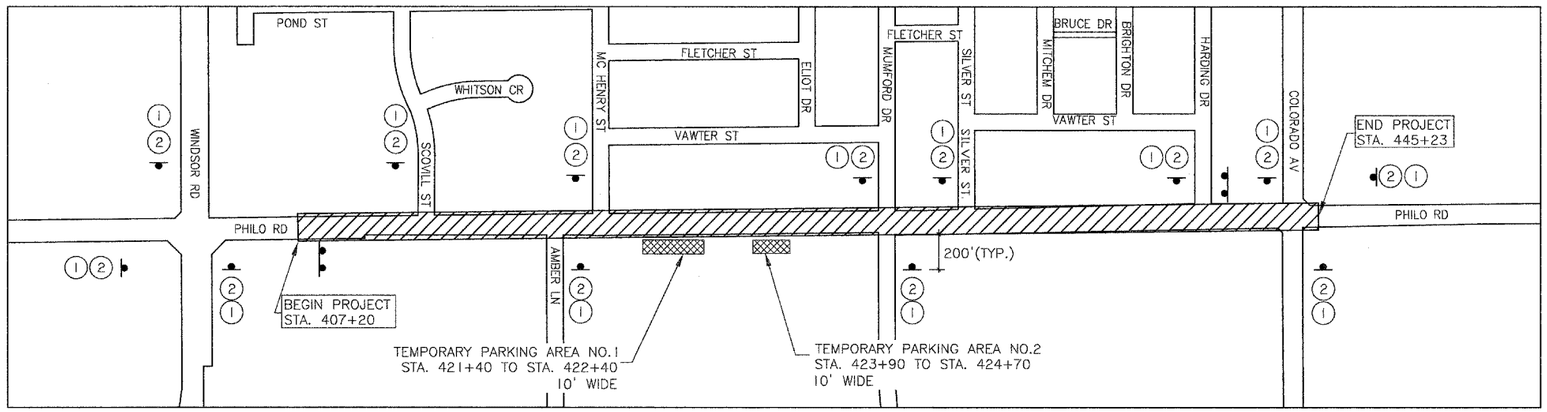
DATED: 2/06
DESIGNED BY: CES

CITY SECTION
95-00305-01-PV

Philo Road Improvements
Storm Water Pollution Prevention Plan
Sta 430+00 to Sta 445+23

SHEET NO
18
OF
62

Feb 15, 2006 10:48am EROSIONPLAN430-446.dwg

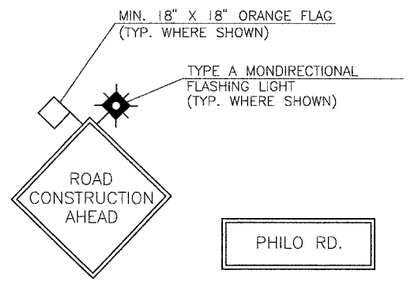


PROJECT OVERVIEW MAP
NOT TO SCALE

LEGEND

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

MESSAGE TO READ
"PHILO ROAD CONSTRUCTION BEGINS JUNE 12"



TRAFFIC CONTROL GENERAL NOTES

1. TRAFFIC CONTROL AND PROTECTION AS DETAILED HEREIN WILL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR "TRAFFIC CONTROL COMPLETE".
2. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE APPLICABLE ARTICLES OF THE STANDARD SPECIFICATIONS, THE APPLICABLE GUIDELINES CONTAINED IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", THE SPECIAL PROVISIONS, THESE PLANS AND HIGHWAY STANDARDS 701006, 701311, 701501, 701606, 701701, 701801, AND 702001.
3. CHANGEABLE MESSAGE SIGNS SHALL BE INSTALLED AND OPERATIONAL FIVE DAYS PRIOR TO THE START OF ROAD CLOSURE TO ALERT THE PUBLIC OF THE UPCOMING START OF CONSTRUCTION. THE CONTRACTOR SHALL INSPECT THE MESSAGE SIGNS BY 8:00 A.M. EACH DAY TO ENSURE THAT THE SIGNS ARE FULLY OPERATIONAL AND IN PROPER WORKING ORDER. THE SIGNS SHALL BE REMOVED AT THE START OF CONSTRUCTION. PAYMENT FOR CHANGEABLE MESSAGE SIGNS AND DAILY INSPECTION OF THE SIGNS SHALL BE INCLUDED IN THE COST OF "TRAFFIC CONTROL COMPLETE" WITH NO ADDITIONAL COMPENSATION ALLOWED.
4. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ANY COMMERCIAL AND PRIVATE ENTRANCES WITHIN THE PROJECT LIMITS. ACCESS SHALL BE MAINTAINED BY CONSTRUCTING ENTRANCES IN HALF WIDTHS OR OTHER MEANS APPROVED BY THE ENGINEER. A QUANTITY OF "AGGREGATE FOR TEMPORARY ACCESS" HAS BEEN INCLUDED IN THE CONTRACT FOR ENTRANCE ACCESS.
5. TRAFFIC CONTROL DEVICES SHALL REMAIN IN PLACE UNTIL ALL SECTIONS OF THE ROADWAY ARE SUBSTANTIALLY COMPLETE. TRAFFIC CONTROL DEVICES SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.
6. AT THE LOCATIONS SHOW ON THE OVERVIEW MAP THE CONTRACTOR MAY CONSTRUCT TEMPORARY PARKING AREAS TO PROVIDE TEMPORARY PARKING WHILE THE PRIVATE ENTRANCES ARE CLOSED FOR CONSTRUCTION. THIS WORK SHALL BE COORDINATED WITH THE ENGINEER.
7. PROPER DRAINAGE SHALL BE MAINTAINED AT ALL TIMES WITHIN THE PROJECT LIMITS. IT WILL BE NECESSARY TO LIMIT CONSTRUCTION OF THE PCC BASE COURSE AND CONCRETE CURB AND GUTTER AT THE LOW POINTS OF THE VERTICAL CURVES TO AVOID SURFACE PONDING ON PHILO ROAD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THIS WORK AND ANY CONSTRUCTION TECHNIQUES NECESSARY TO ENSURE PROPER DRAINAGE IS MAINTAINED AT ALL TIMES. THE COST OF ALL LABOR, EQUIPMENT AND MATERIALS TO MAINTAIN PROPER DRAINAGE WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE MISCELLANEOUS PAY ITEMS INVOLVED.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TRAFFIC CONTROL SURVEILLANCE FOR THIS PROJECT. THE CONTRACTOR SHALL INSPECT AND MAINTAIN ALL TRAFFIC CONTROL DEVICES AT ALL TIMES INCLUDING NIGHTIME, WEEKENDS, WINTER SHUT-DOWN PERIOD AND ANY TIME WORKERS ARE NOT PRESENT. THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE COST OF ALL LABOR AND MATERIALS FOR THE SURVEILLANCE AND MAINTENANCE OF TRAFFIC CONTROL DEVICES SHALL BE INCLUDED IN THE COST OF "TRAFFIC CONTROL COMPLETE".

TRAFFIC CONTROL STANDARDS

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

STANDARD	APPLICATION
701006	WHERE VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES WILL ENCROACH IN THE AREA 15' TO 2' FROM THE EDGE OF PAVEMENT.
701311	WHERE ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES REQUIRE A CONTINUOS MOVING OPERATION WHERE THE AVERAGE SPEED IS GREATER THAN 3 MPH.
701501	WHERE AT ANYTIME ANY VEHICLE, EQUIPMENT, WORKER OR THEIR ACTIVITIES ENCROACH ON THE PAVEMENT REQUIRING CLOSURE OF ONE TRAFFIC LANE.
701606	WHERE AT ANYTIME ANY VEHICLE, EQUIPMENT, WORKER OR THEIR ACTIVITIES ENCROACH ON THE PAVEMENT REQUIRING THE CLOSURE OF ONE OR MORE TRAFFIC LANES.
701701	WHERE AT ANYTIME ANY VEHICLE, EQUIPMENT, WORKER OR THEIR ACTIVITIES ENCROACH ON THE PAVEMENT WITHIN THE VICINITY OF AN INTERSECTION.
701801	WHERE AT ANYTIME PEDESTRIAN TRAFFIC MUST BE REROUTED.
702001	ALL TRAFFIC CONTROL DEVICES

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

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CHECKED BY: GLJ
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CITY SECTION
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Philo Road Improvements
Stage Construction and
Maintenance of Traffic Plan

SHEET NO.
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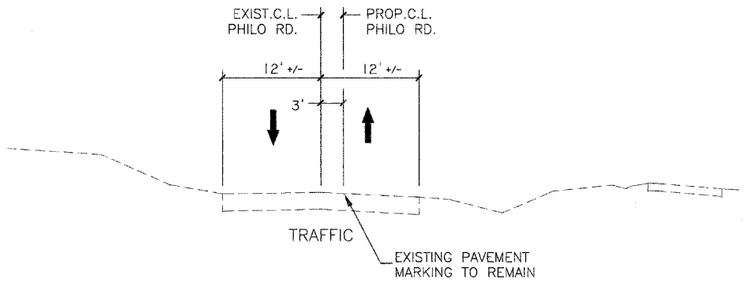
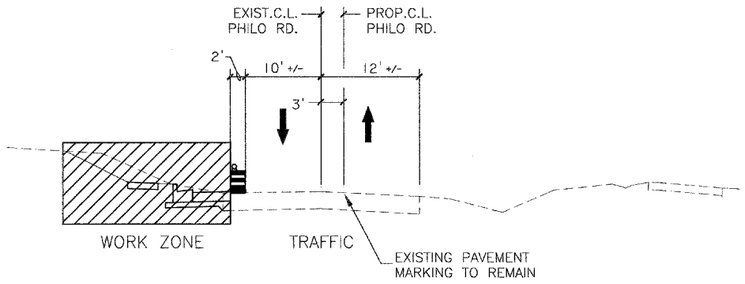
OF
62

Feb15,2006 10:39am STAGING1.dwg

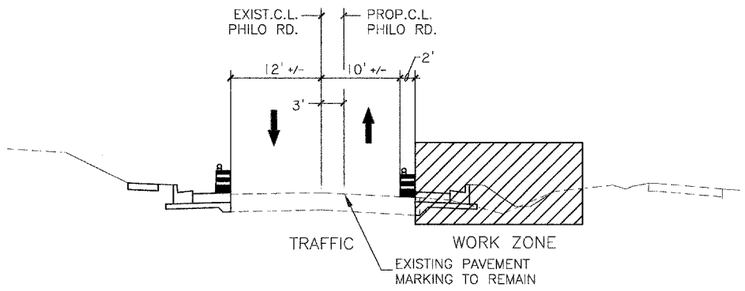
PRE–STAGE I



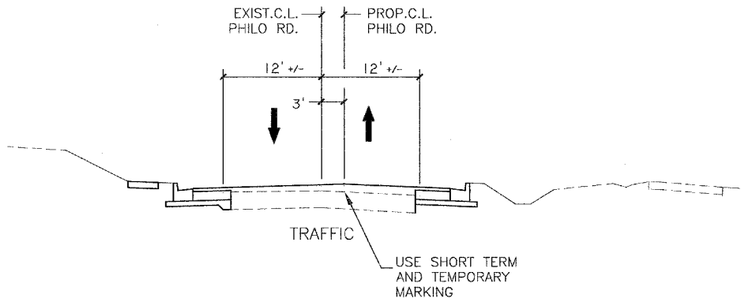
STAGE I



STAGE II



STAGE III



PRE–STAGE I

- TEMPORARILY LOCATE CHANGEABLE MESSAGE SIGNS.
- INSTALL REQUIRED TRAFFIC CONTROL DEVICES.
- MAINTAIN TWO–WAY THRU TRAFFIC (SEE STAGING NOTES).
- INSTALL ACROSS ROAD AND NECESSARY DOWNSTREAM STORM SEWERS.
- INSTALL CLASS C PATCHES. SEE SPECIAL PROVISIONS.
- OPTIONAL: PERFORM BITUMINOUS SURFACE REMOVAL, OTHERWISE PERFORM UNDER STAGE III.
- INSTALL TEMPORARY PARKING.
- ADJUST TRAFFIC CONTROL DEVICES IN PREPARATION FOR STAGE I.

STAGE I

- MAINTAIN TWO–WAY THRU TRAFFIC (SEE STAGING NOTES).
- CONSTRUCT WEST SIDE REMAINING STORM SEWER, WIDENING, CURB & GUTTER, SIDEWALKS, ENTRANCES, GRADING AND LANDSCAPING.
- ADJUST TRAFFIC CONTROL DEVICES IN PREPARATION FOR STAGE II.

STAGE II

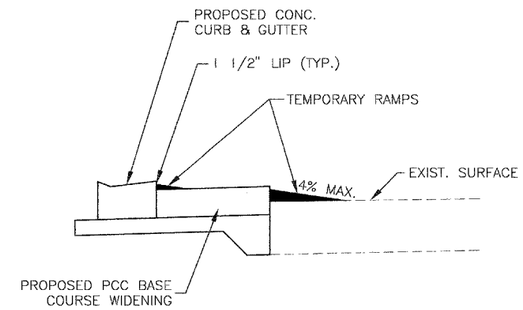
- MAINTAIN TWO–WAY THRU TRAFFIC (SEE STAGING NOTES).
- CONSTRUCT EAST SIDE REMAINING STORM SEWER, WIDENING, CURB & GUTTER, SIDEWALKS, ENTRANCES, GRADING AND LANDSCAPING.
- ADJUST TRAFFIC CONTROL DEVICES IN PREPARATION FOR STAGE III.

STAGE III

- MAINTAIN TWO–WAY THRU TRAFFIC (SEE STAGING NOTES).
- COMPLETE ANY REMAINING GRADING AND LANDSCAPING.
- PLACE BITUMINOUS LEVELING BINDER AND SURFACE COURSE UNDER TRAFFIC USING APPLICABLE HIGHWAY STANDARDS.
- PLACE PERMANENT PAVEMENT MARKING UNDER TRAFFIC USING APPLICABLE HIGHWAY STANDARDS.

STAGING NOTES

- THE STAGING SHOWN IS THE SUGGESTED CONSTRUCTION STAGING FOR THIS PROJECT.
- THE PURPOSE OF THIS STAGING IS TO MINIMIZE DELAYS TO THE MOTORISTS AND PROVIDE ORGANIZATION TO PROJECT CONSTRUCTION.
- THE CONTRACTOR MAY ALTER THE SEQUENCE OF CONSTRUCTION WITH THE PRIOR APPROVAL OF THE ENGINEER.
- PRIOR TO THE START OF CONSTRUCTION, REQUIRED TRAFFIC CONTROL DEVICES SHALL BE IN PLACE.
- IT IS THE INTENT THAT PHILO ROAD REMAIN OPEN TO TRAFFIC AT ALL TIMES. DURING HOURS OF CONSTRUCTION TRAFFIC MAY BE REDUCED TO ONE LANE WITH TRAFFIC BEING CONTROLLED BY FLAGGERS AS SHOWN ON THE APPLICABLE HIGHWAY STANDARDS. AT OTHER TIMES WHEN CONSTRUCTION IS NOT TAKING PLACE A MINIMUM OF TWO LANES, ONE IN EACH DIRECTION SHALL BE MAINTAINED.
- ACCESS TO ALL SIDE STREETS WILL BE MAINTAINED AT ALL TIMES. CONSTRUCTION ON THE SIDE STREETS SHALL BE LIMITED TO HALF–WIDTHS TO MAINTAIN THRU TRAFFIC FLOW.
- PROPER DRAINAGE SHALL BE MAINTAINED AT ALL TIMES.



TEMPORARY RAMP DETAIL
NO SCALE

NOTES:

1. RAMPS SHALL BE PLACED AT ENTRANCE LOCATIONS WHERE THE DIFFERENCE BETWEEN THE TOP OF THE PROPOSED CONSTRUCTION AND EXISTING SURFACE IS GREATER THAN 1 1/2".
2. MAXIMUM CROSS SLOPE OF RAMPS SHALL BE 4%. MAXIMUM LONGITUDINAL SLOPE OF RAMPS SHALL BE 2%.
3. RAMPS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR "TEMPORARY RAMP".
4. RAMPS ON SIDEROADS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE LEVELING BINDER. SIDE ROAD RAMPS SHALL BE THE SAME MATERIAL AS THE LEVELING BINDER.

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DRAWN BY: AJS
CHECKED BY: GLJ
DATED: 2/06
DESIGNED BY: CES

CITY SECTION
95-00305-01-PV

Philo Road Improvements
Stage Construction and
Maintenance of Traffic Plan

SHEET NO
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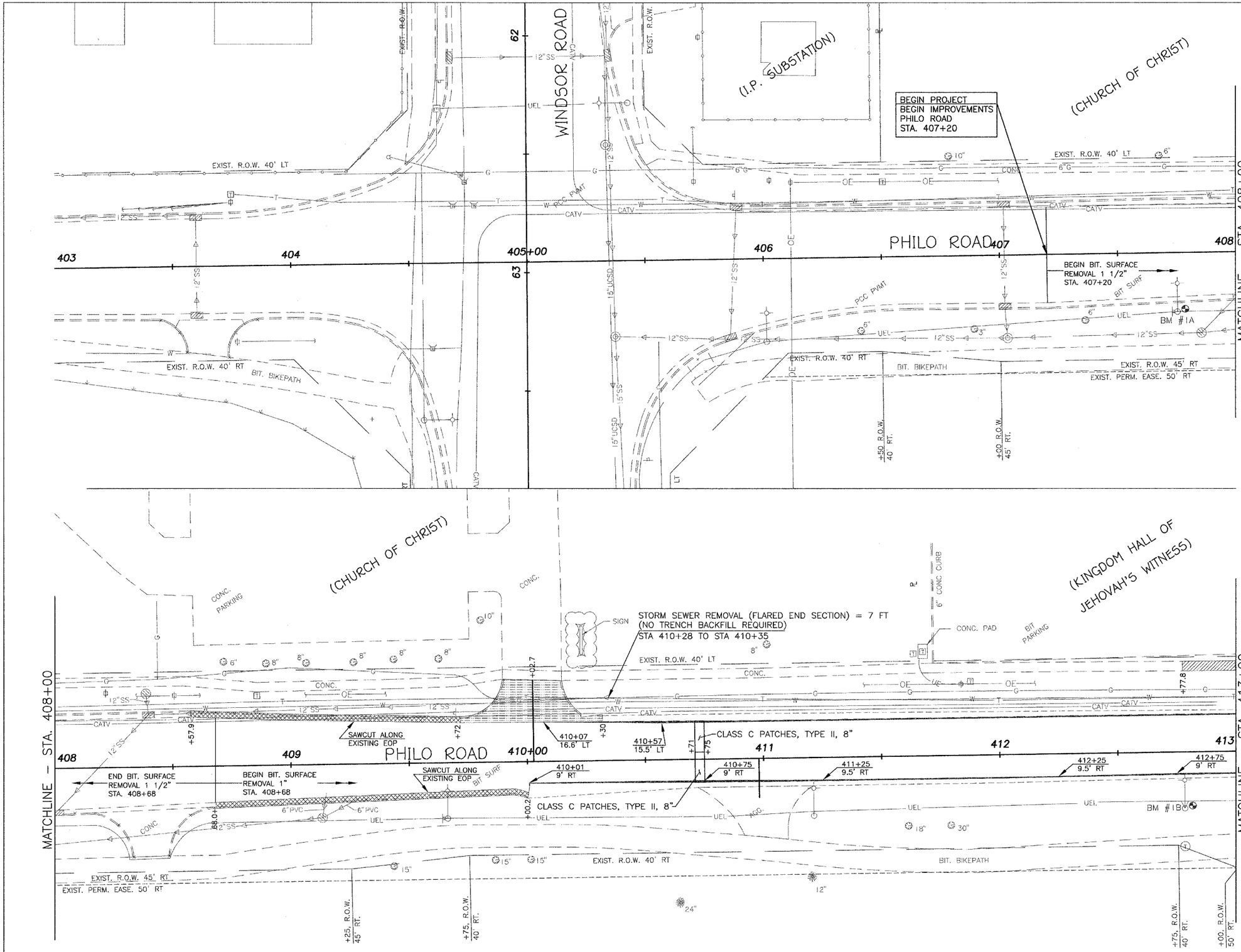
62

Feb 15, 2006 10:39am STAGING2.dwg



0 20 40
scale feet

LEGEND

- STRUCTURE TO BE REMOVED
- DRIVEWAY PAVEMENT REMOVAL
- PAVEMENT REMOVAL
- SIDEWALK OR BIKEPATH REMOVAL
- CULVERT REMOVAL
- CURB REMOVAL
- PAVEMENT REMOVAL, SPECIAL

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

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

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DRAWN BY: NFR
CHECKED BY: GLJ
DESIGNED BY: CES
DATED: 2/06

CITY SECTION
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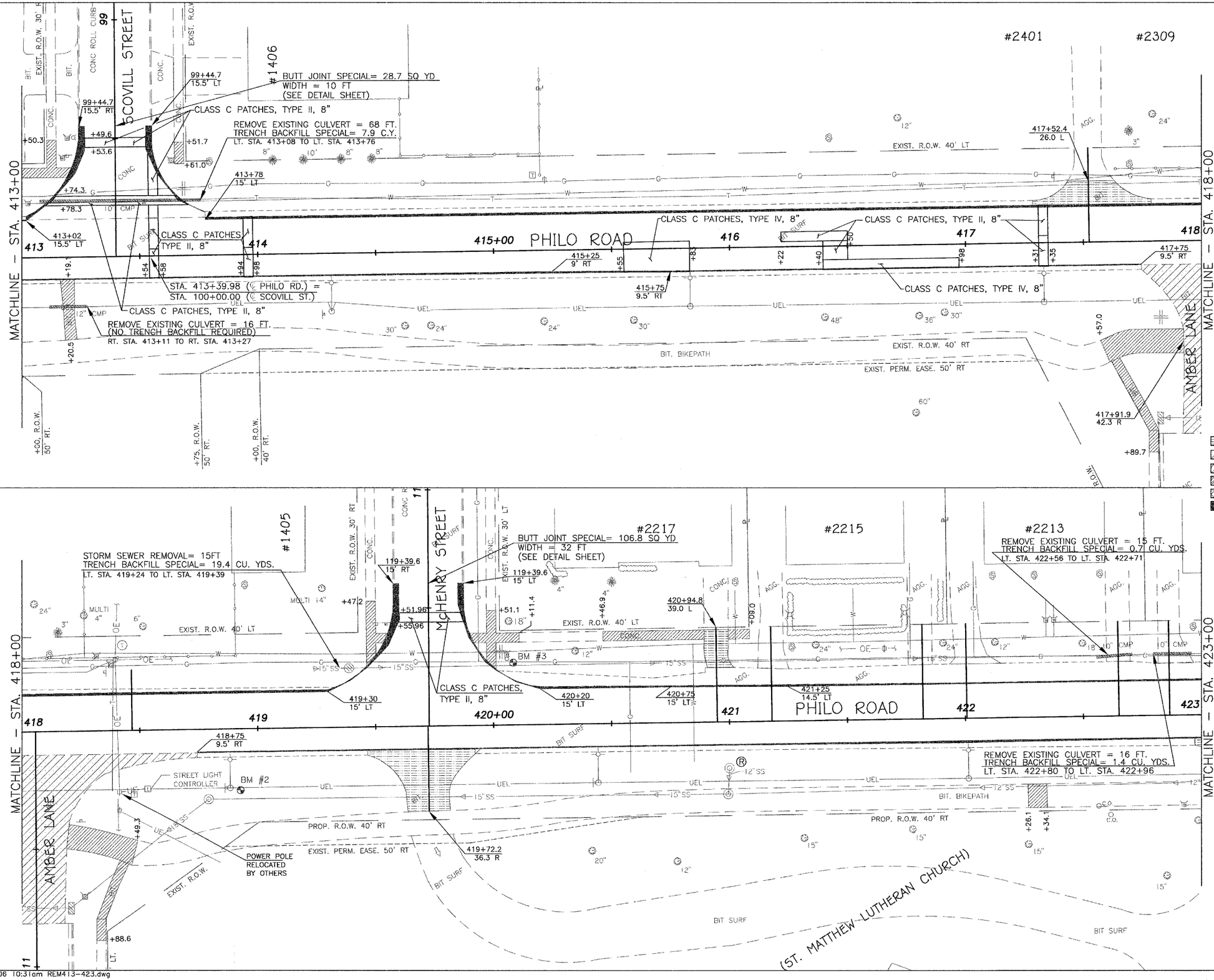
Philo Road Improvements
Removal/Relocation Plan
Sta 403+00 to Sta 413+00

SHEET NO. 21 OF 62

Feb15,2006 10:31am REM403-413.dwg

Contract NO. 9



0 20 40
scale feet

LEGEND

- STRUCTURE TO BE REMOVED
- DRIVEWAY PAVEMENT REMOVAL
- PAVEMENT REMOVAL
- SIDEWALK OR BIKEPATH REMOVAL
- CULVERT REMOVAL
- CURB REMOVAL
- PAVEMENT REMOVAL, SPECIAL

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

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

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DATED: 2/06

CITY SECTION
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Philo Road Improvements Removal/Relocation Plan Sta 413+00 to Sta 423+00

SHEET NO
22
OF
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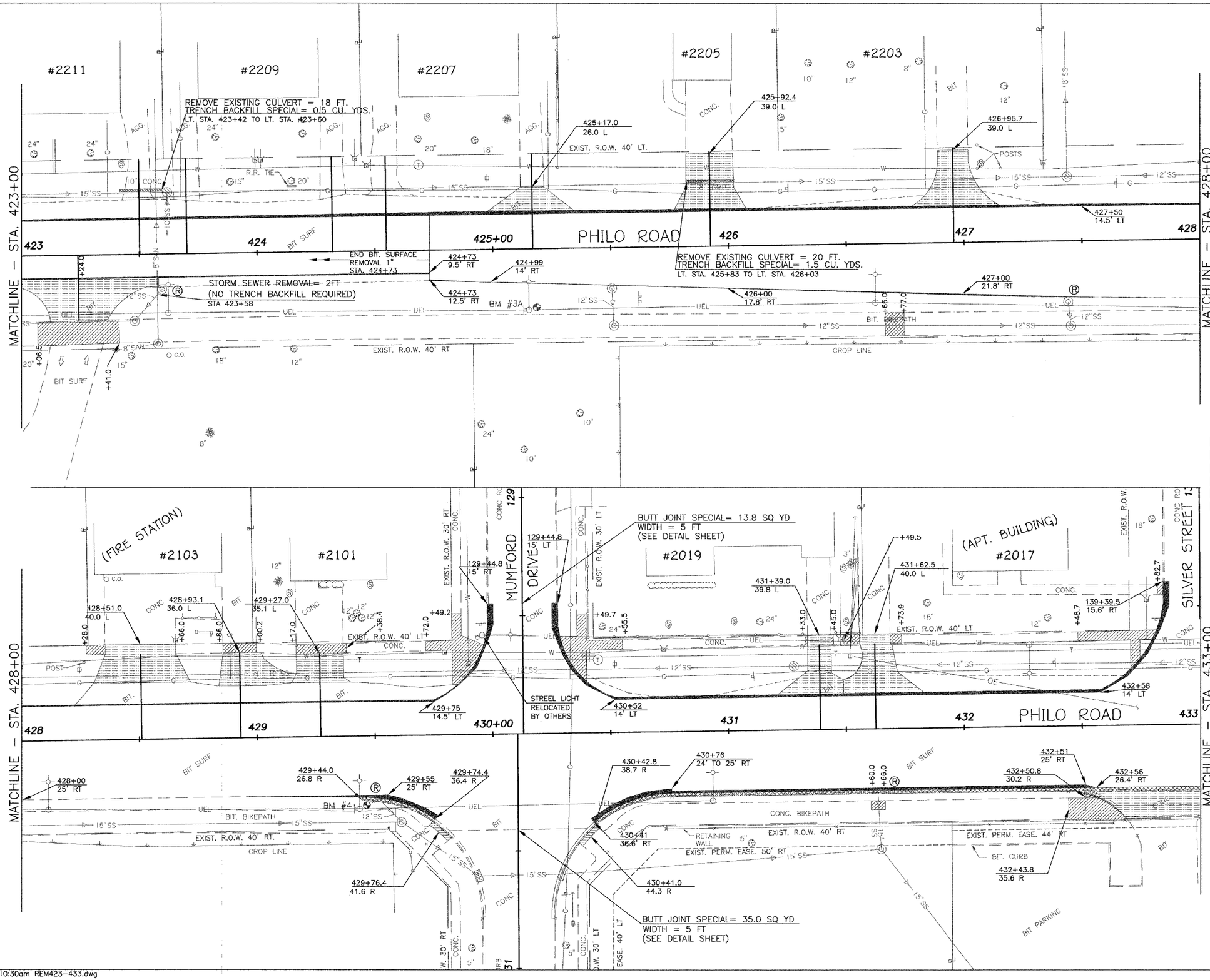
Feb15,2006 10:31am REM413-423.dwg

Contract No. 9



LEGEND

- ® STRUCTURE TO BE REMOVED
- DRIVEWAY PAVEMENT REMOVAL
- PAVEMENT REMOVAL
- SIDEWALK OR BIKEPATH REMOVAL
- CULVERT REMOVAL
- CURB REMOVAL
- PAVEMENT REMOVAL, SPECIAL

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

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

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CITY SECTION
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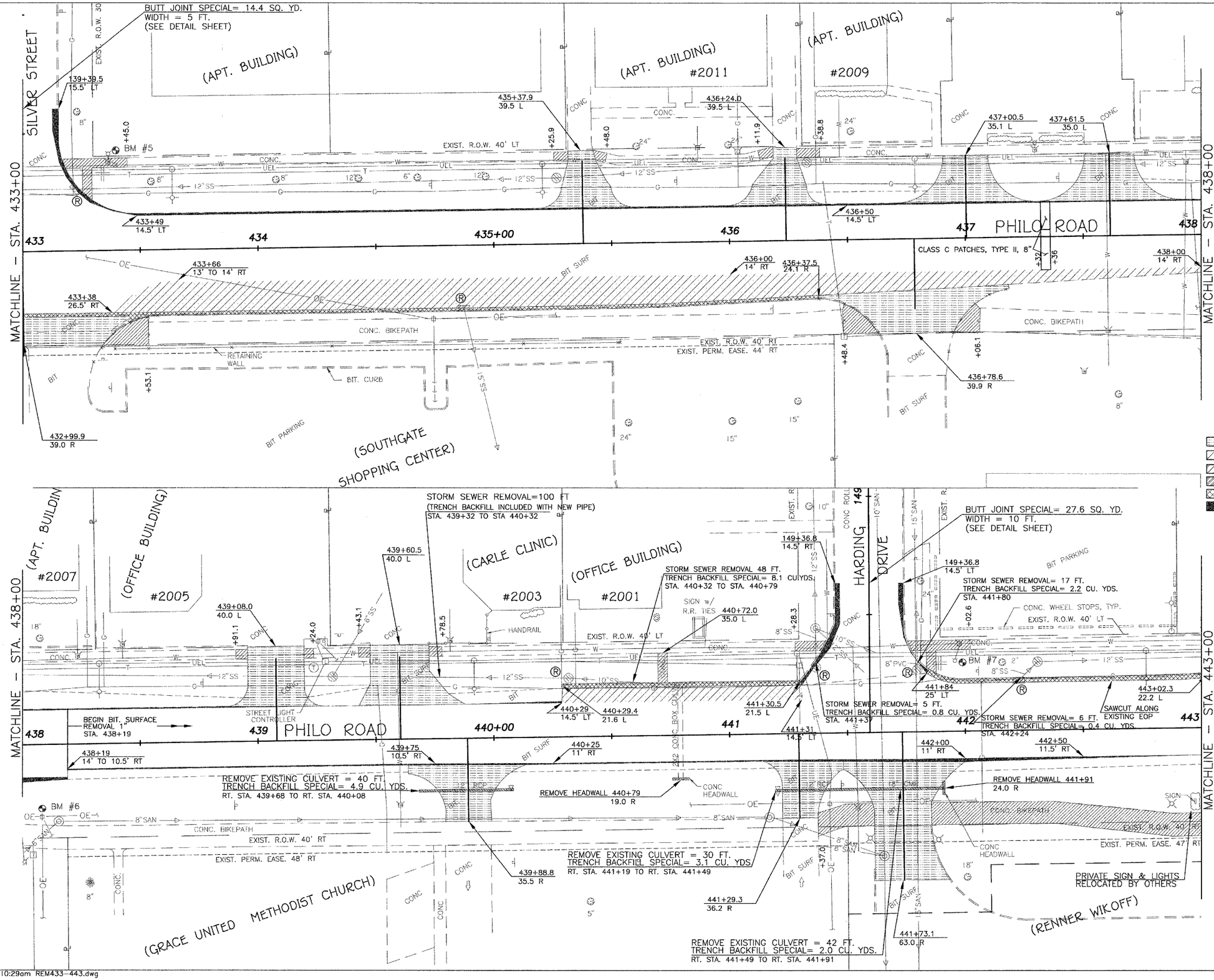
Philo Road Improvements Removal/Relocation Plan Sta 423+00 to Sta 433+00

SHEET NO. 23 OF 62

Feb 15, 2006 10:30am REM423-433.dwg



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CHECKED BY: GLJ
DATED: 2/06
DESIGNED BY: CES

CITY SECTION
95-00305-01-PV

Philo Road Improvements
Removal/Relocation Plan
Sta 433+00 to Sta 443+00

SHEET NO
24
OF
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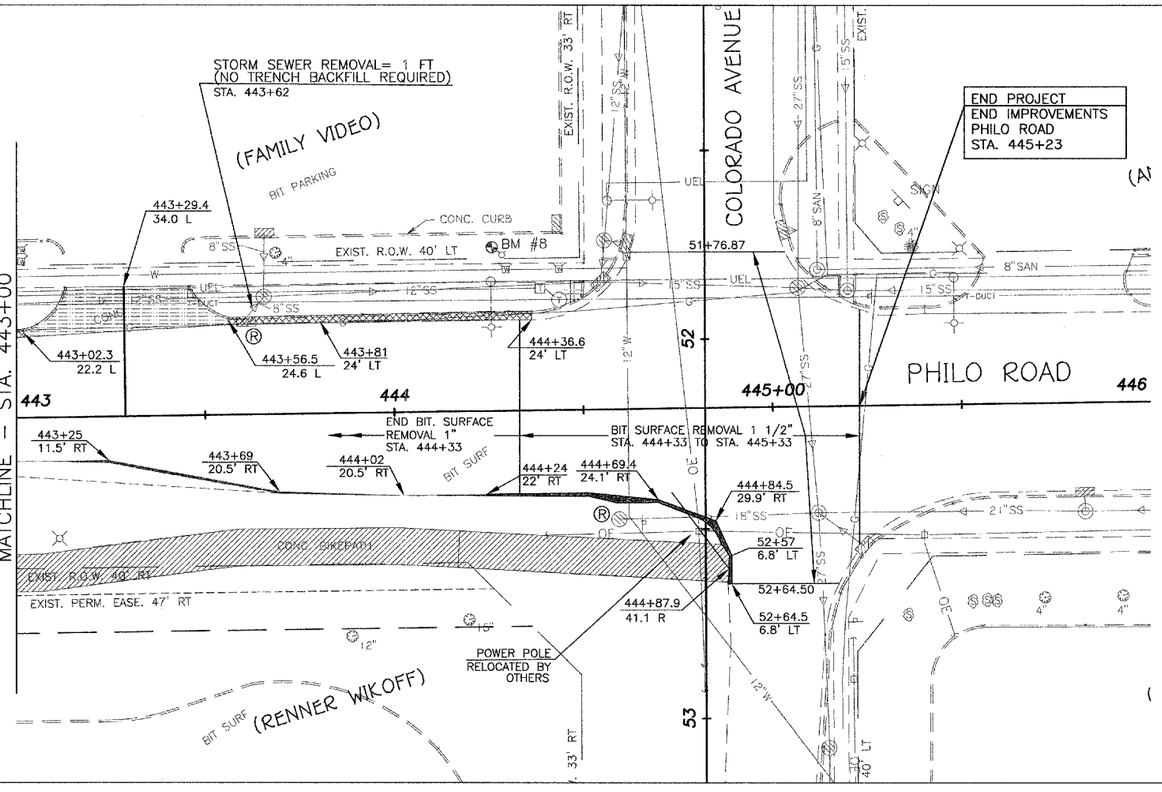
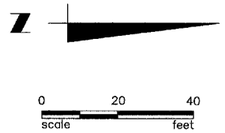
Feb15,2006 10:29am REM433-443.dwg

Contract No.





LEGEND

- Ⓡ STRUCTURE TO BE REMOVED
- DRIVEWAY PAVEMENT REMOVAL
- PAVEMENT REMOVAL
- SIDEWALK OR BIKEPATH REMOVAL
- CULVERT REMOVAL
- CURB REMOVAL
- PAVEMENT REMOVAL, SPECIAL

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

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

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DRAWN BY: NFR
CHECKED BY: GLJ
DATED: 2/06
DESIGNED BY: CES

CITY SECTION
95-00305-01-PV

Philo Road Improvement
Removal/Relocation Plan
Sta 443+00 to Sta 446+00

SHEET NO
25
OF
62

Feb 15, 2006 10:28am REM443-446.dwg

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

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

STA. 405+00 (℄ PHILO RD.) =
STA. 62+95.55 (℄ WINDSOR RD.)

SEE REMOVAL/RELOCATION PLANS FOR EXACT LOCATION OF SAW CUT LINE FOR PCC BASE COURSE WIDENING AND/OR CONC. CURB AND GUTTER.

BEGIN PROJECT
BEGIN IMPROVEMENTS
PHILO ROAD
STA. 407+20

PROPOSED ℄ PHILO RD.

(I.P. SUBSTATION)

(CHURCH OF CHRIST)

EXIST. R.O.W. 40' LT

EXIST. R.O.W. 40' RT

EXIST. R.O.W. 50' RT

EXIST. R.O.W. 50' LT

EXIST. R.O.W. 60' RT

EXIST. R.O.W. 60' LT

EXIST. R.O.W. 45' RT

EXIST. PERM. EASE. 50' RT

BIT. BIKEPATH

WINDSOR RD.

MATCHLINE – STA. 408+00

403 404 405+00 406 407 408

62 63 64

BM #1A

±50 R.O.W. 40' RT.

±90 R.O.W. 45' RT.

BM#1A – STA. 407+75.0, 25' RT. TOP OF NW BOLT ON LIGHT POLE FOUNDATION
ELEV. 751.70

0 20 40
scale feet

LEGEND

- DETECTABLE WARNINGS
- PCC BASE COURSE WIDENING
- PCC SIDEWALK
- PCC DRIVEWAY PAVEMENT
- ① DRAINAGE STRUCTURE NO. (SEE DRAINAGE SCHEDULES)

MATCH EXISTING
STA. 407+20.00

BIT. SURF. REMOVAL 1 1/2"
BIT. CONC. SURF. CRSE 1 1/2"
STA. 407+20 TO STA. 408+68

EXISTING ROADWAY CENTERLINE PROFILE

STA. 407+20.00

EXIST 12" SS @ 2.24%

	403+00	404+00	405+00	406+00	407+00	408+00
	744.99	745.87	746.75	747.48 / 747.97	748.45 / 748.95 / 749.60	750.22 / 750.98 / 750.98 / 751.84 / 751.84

760 755 750 745 740 735

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DRAWN BY: AJS
CHECKED BY: GLJ
DESIGNED BY: CES
DATED: 2/06

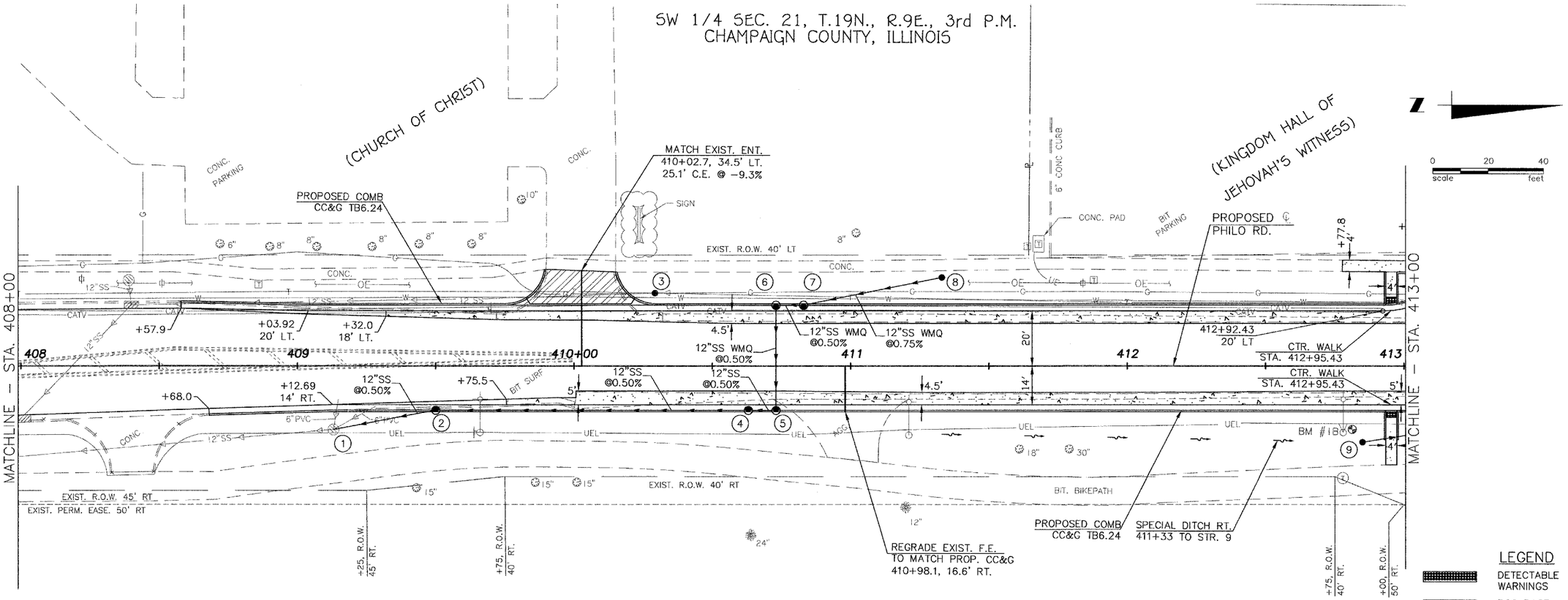
CITY SECTION
95-00305-01-PV

Philo Road Improvements
Plan & Profile
Sta 403+00 to Sta 408+00

SHEET NO.
26
OF
62

Feb15,2006 10:01am PP403-08.DWG

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

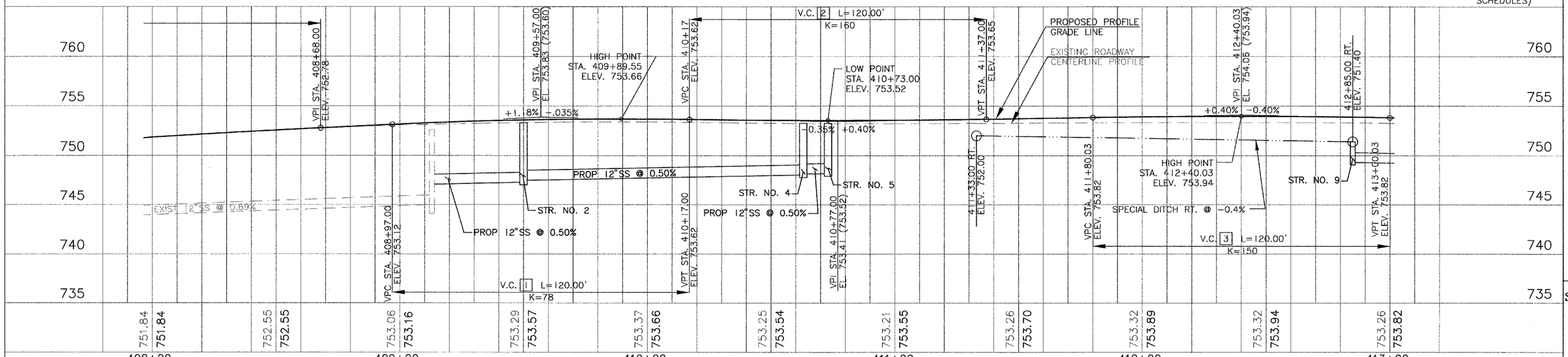


LEGEND
- DETECTABLE WARNINGS
- PCC BASE COURSE WIDENING
- PCC SIDEWALK
- PCC DRIVEWAY PAVEMENT
- (1) DRAINAGE STRUCTURE NO. (SEE DRAINAGE SCHEDULES)

SEE REMOVAL/RELOCATION PLANS FOR EXACT LOCATION OF SAW CUT LINE FOR PCC BASE COURSE WIDENING AND/OR CONC. CURB AND GUTTER.

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

BM#1B – STA. 412+78.0, 24.0' RT. NW CORNER OF CONCRETE LIGHT POLE FOUNDATION ELEV. 751.96



CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DRAWN BY: AJS
CHECKED BY: GLJ
DESIGNED BY: CES
DATED: 2/06

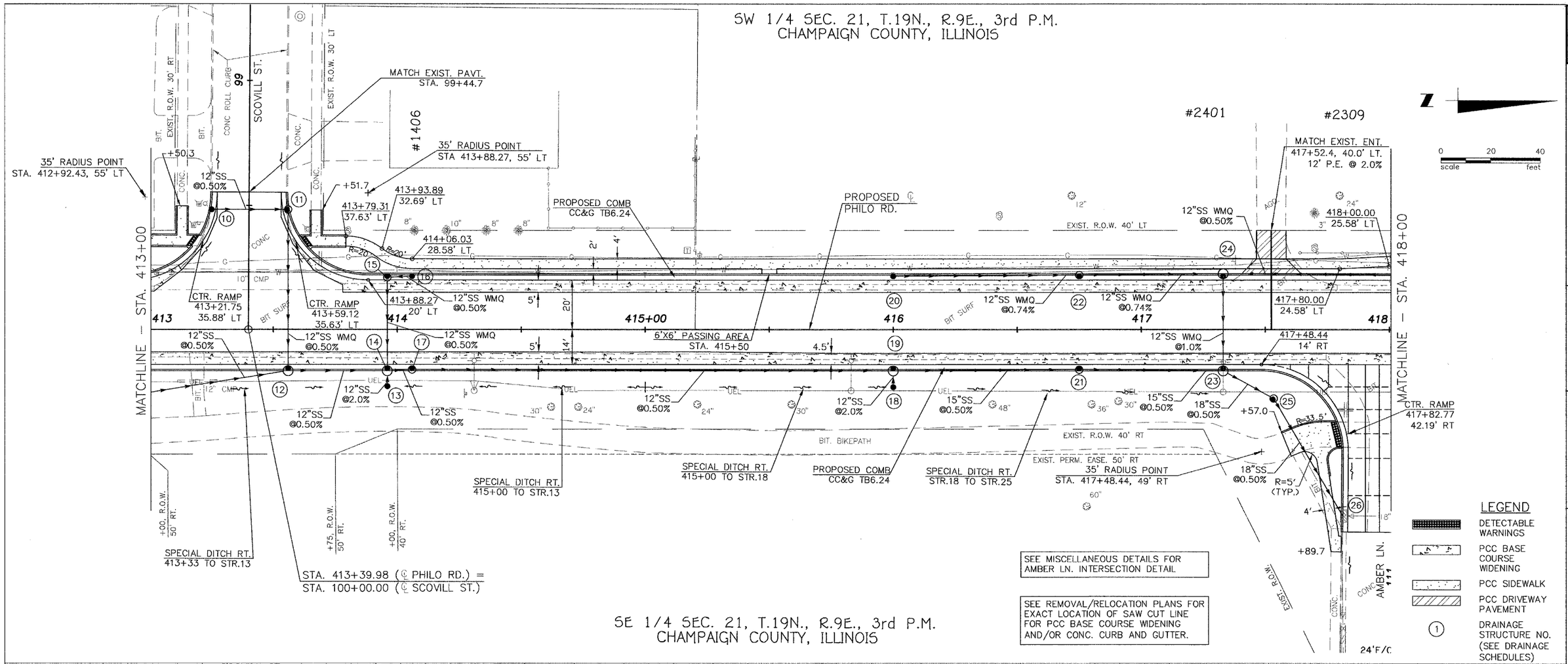
CITY SECTION
95-00305-01-PV

Philo Road Improvements
Plan & Profile
Sta 408+00 to Sta 413+00

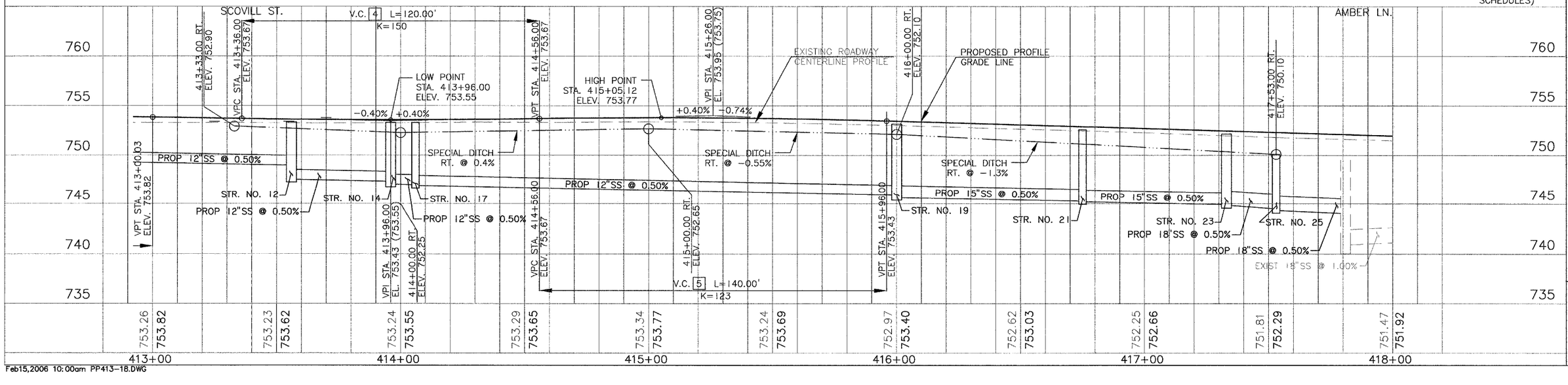
SHEET NO 27 OF 62

Feb15,2006 10:01am PP408-13.DWG

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



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



Philo Road Improvements
Plan & Profile
Sta 413+00 to Sta 418+00

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DRAWN BY: AJS
CHECKED BY: GLJ
DATED: 2/06
DESIGNED BY: CES
CITY SECTION
95-00305-01-PV

SHEET NO
28
OF
62

Feb15,2006 10:00am PP413-18.DWG

Contract NO.

STA. 418+05.78 (℄ PHILO RD.) =
STA. 110+00.00 (℄ AMBER LN.)

BM#3 – STA. 420+06.0, 28.0' LT.
TOP NUT ON FIRE HYDRANT
AT NW CORNER PHILO RD. &
McHENRY ST. ELEV. 752.21

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

MATCH PC CONC. SW
418+46.77, 25.6' LT.
20' P.E. @ −3.0 %

MATCH EXIST. PAVEMENT.
119+39.6

MATCH EXIST. ENT.
420+94.8, 40' LT.
12' P.E. @ 6.0%

MATCH EXIST. ENT.
421+82.1, 40' LT.
12' P.E. @ 2.4%

MATCH EXIST. ENT.
422+65.1, 40' LT.
12' P.E. @ 1.8%

MATCH EXIST. ENT.
421+18.0, 40' LT.
12' P.E. @ 5.0%

MATCH EXIST. ENT.
422+00.6, 40' LT.
12' P.E. @ 4.8%

MATCH EXIST. ENT.
422+86.6, 40' LT.
12' P.E. @ 0.5%

#1405 #2217 #2215 #2213

35' RADIUS POINT
STA 419+25.73, 55' LT

40' RADIUS POINT
STA 420+25.60, 60' LT

419+21.73
33.86' LT

419+09.36
29.58' LT

419+36.56
39.00' LT

420+62.38
33.31' LT

420+46.87
38.99' LT

CTR. RAMP
419+55.74
37.00' LT

CTR. RAMP
419+92.78
37.13' LT

CTR. RAMP
418+21.75
45.36' RT

PROPOSED ℄
PHILO RD.

MCHENRY ST. 119

EXIST. R.O.W. 30' RT

EXIST. R.O.W. 30' LT

EXIST. R.O.W. 40' LT

12"SS @0.50%

12"SS WMQ @2.0%

12"SS WMQ @0.50%

PROPOSED COMB CC&G TB6.24

12"SS @2.0%

12"SS @1.0%

15"SS

BM #3

BM #2

STREET LIGHT CONTROLLER

MATCHLINE – STA. 418+00

MATCHLINE – STA. 423+00

418 419 420+00 421 422 423

418+68.15
14' RT

419+25.73
20' LT

420+25.60
20' LT

420+75.59
28.58' LT

PROP. R.O.W. 40' RT

EXIST. PERM. EASE. 50' RT

BIT. BIKEPATH

PROPOSED COMB
CC&G TB6.24

50' RADIUS POINT
STA 418+68.15, 64' RT

R=5' (TYP.)

STA. 419+72.21 (℄ PHILO RD.) =
STA. 120+00.00 (℄ MCHENRY ST.)

(ST. MATTHEW LUTHERAN CHURCH)

BIT SURF

SEE MISCELLANEOUS DETAILS FOR
AMBER LN. INTERSECTION DETAIL

MATCH EXIST. PAVEMENT
110+81.6

MATCH EXIST. ENT.
419+72.2, 36.25' RT.
19.1' C.E. @ −2.2%

AMBER LN.

15'F/C

BM#2 – STA. 418+88.0, 25.0 RT. NW CORNER
OF CONCRETE LIGHT POLE FOUNDATION
NE CORNER PHILO RD. & AMBER LANE
ELEV. 751.33

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

#2200

SEE REMOVAL/RELOCATION PLANS FOR
EXACT LOCATION OF SAW CUT LINE
FOR PCC BASE COURSE WIDENING
AND/OR CONC. CURB AND GUTTER.

0 20 40
scale feet

LEGEND
- DETECTABLE WARNINGS
- PCC BASE COURSE WIDENING
- PCC SIDEWALK
- PCC DRIVEWAY PAVEMENT
- (1) DRAINAGE STRUCTURE NO. (SEE DRAINAGE SCHEDULES)

AMBER LN.

MCHENRY ST. V.C. 6 L=120.00' K=364

VPC STA. 419+66.05 ELEV. 750.70

VPI STA. 420+26.05 EL. 750.26 (750.31)

VPT STA. 420+86.05 ELEV. 750.01

−0.74% −0.41%

EXISTING ROADWAY CENTERLINE PROFILE

PROPOSED PROFILE GRADE LINE

EXIST 18"SS @ 0.46%

EXIST 18"SS @ 1.00%

EXIST 15"SS @ 0.28%

EXIST 15"SS @ 0.42%

EXIST 12"SS @ 0.60%

751.47	751.92	751.12	751.55	750.82	751.18	750.44	750.81	750.08	750.47	749.72	750.18	749.39	749.96	749.12	749.75	748.88	749.55	748.75	749.34	748.60	748.98

418+00 419+00 420+00 421+00 422+00 423+00

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DRAWN BY: AJS
CHECKED BY: GLJ
DESIGNED BY: CES
DATED: 2/06

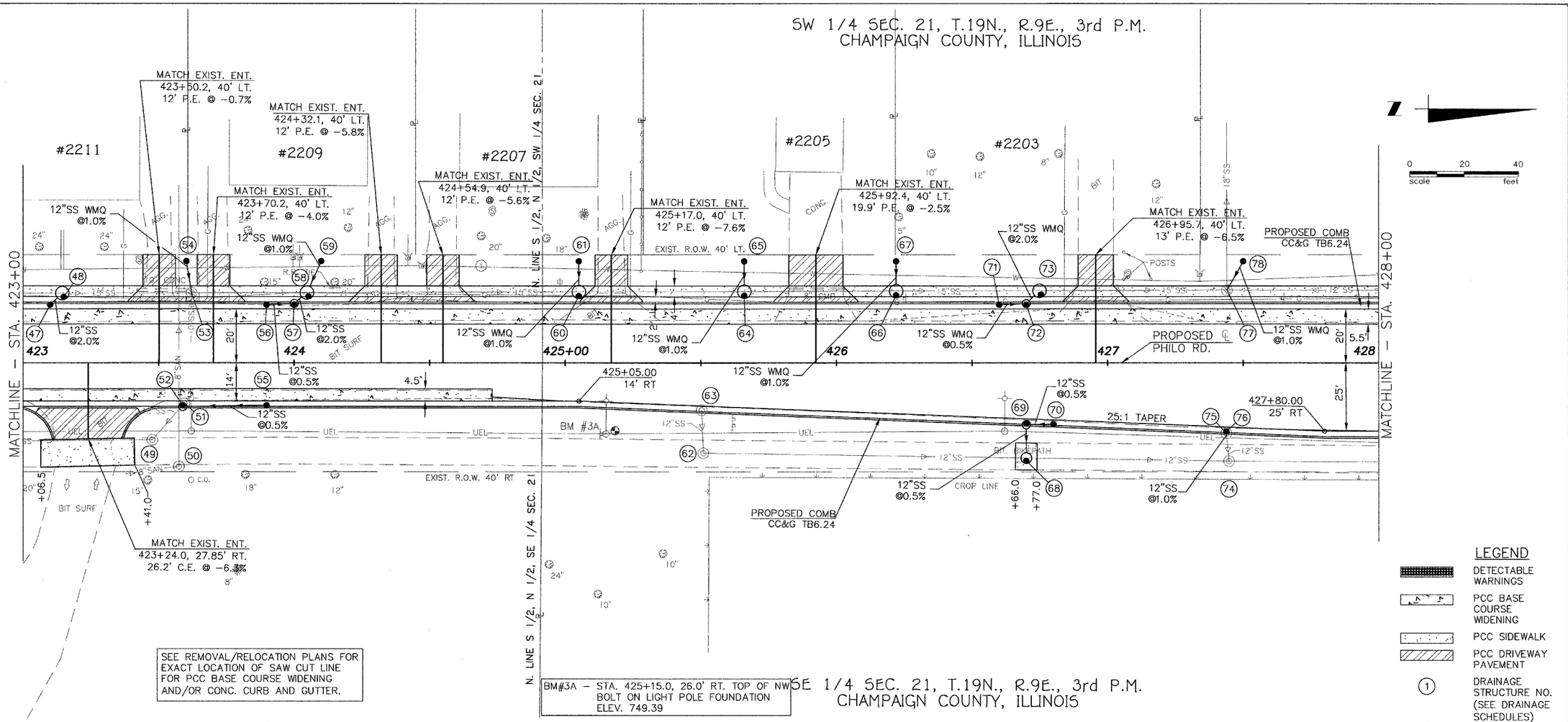
CITY SECTION
95-00305-01-PV

Philo Road Improvements
Plan & Profile
Sta 418+00 to Sta 423+00

SHEET NO
29
OF
62

Feb15,2006 10:00am PP418-23.DWG

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

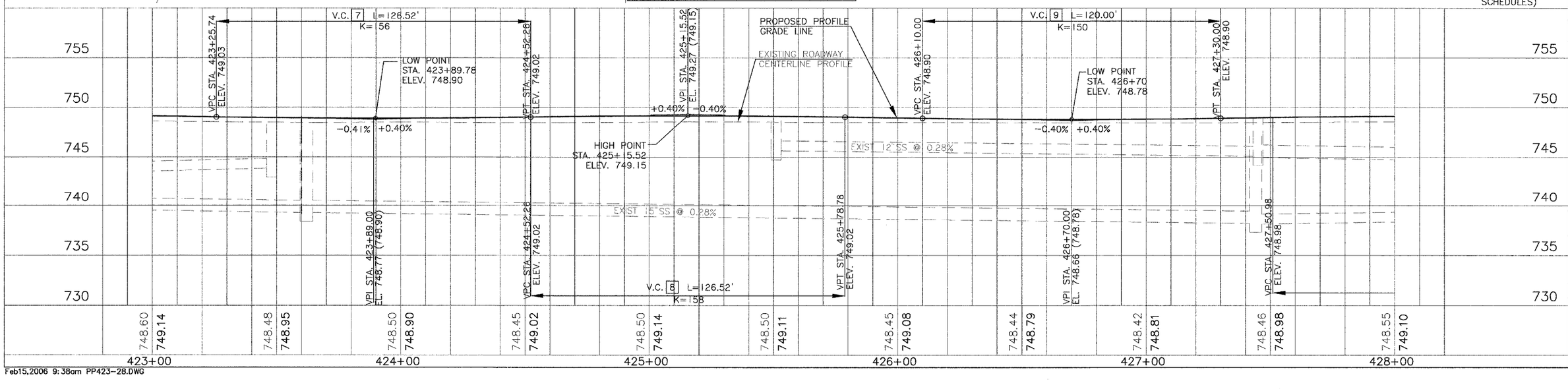


SEE REMOVAL/RELOCATION PLANS FOR EXACT LOCATION OF SAW CUT LINE FOR PCC BASE COURSE WIDENING AND/OR CONC. CURB AND GUTTER.

BM#3A – STA. 425+15.0, 26.0' RT. TOP OF NW BOLT ON LIGHT POLE FOUNDATION ELEV. 749.39

LEGEND
- DETECTABLE WARNINGS
- PCC BASE COURSE WIDENING
- PCC SIDEWALK
- PCC DRIVEWAY PAVEMENT
- (1) DRAINAGE STRUCTURE NO. (SEE DRAINAGE SCHEDULES)

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



CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DRAWN BY: AJS
CHECKED BY: GLJ
DESIGNED BY: CES
DATED: 2/06

CITY SECTION
95-00305-01-PV

Philo Road Improvement
Plan & Profile
Sta 423+00 to Sta 428+00

SHEET NO. 30 OF 62

Feb15,2006 9:38am PP423-28.DWG

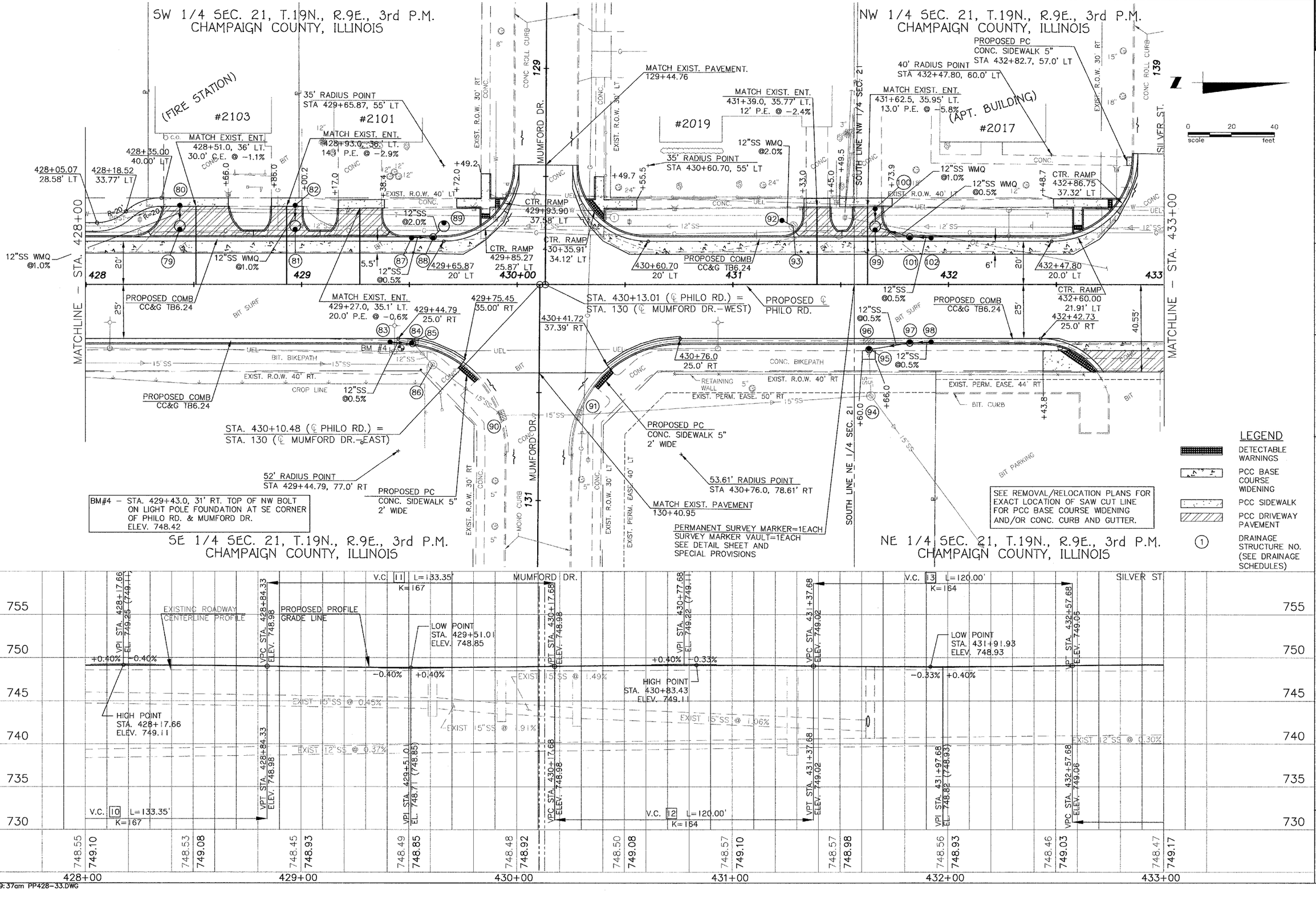
Contract No.

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

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

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

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



LEGEND
- DETECTABLE WARNINGS
- PCC BASE COURSE WIDENING
- PCC SIDEWALK
- PCC DRIVEWAY PAVEMENT
- (1) DRAINAGE STRUCTURE NO. (SEE DRAINAGE SCHEDULES)

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DRAWN BY: AJS
CHECKED BY: GLJ
DESIGNED BY: CES
DATED: 2/06

CITY SECTION
95-00305-01-PV

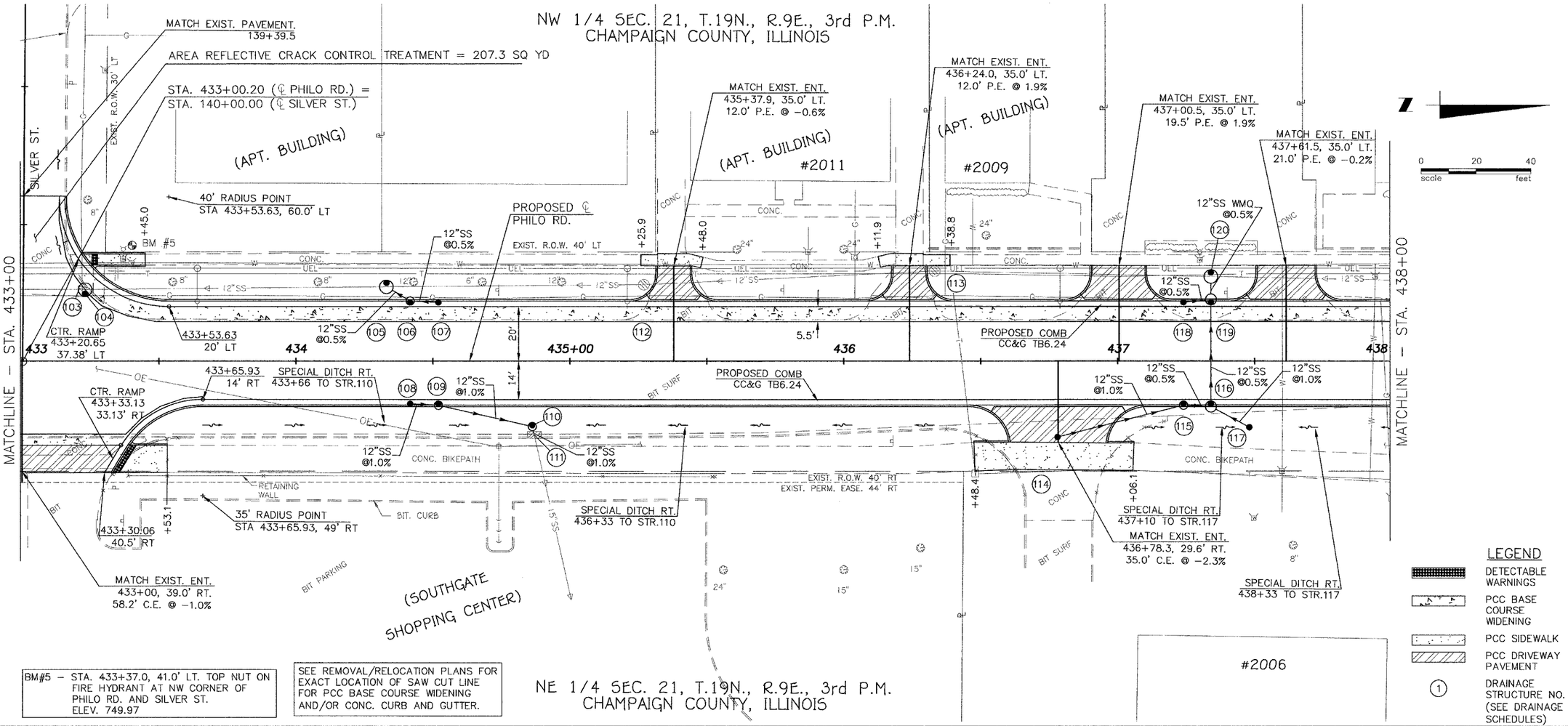
Philo Road Improvements
Plan & Profile
Sta 428+00 to Sta 433+00

SHEET NO
31
OF
62

Feb15,2006 9:37am PP428-33.DWG

Contract No

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



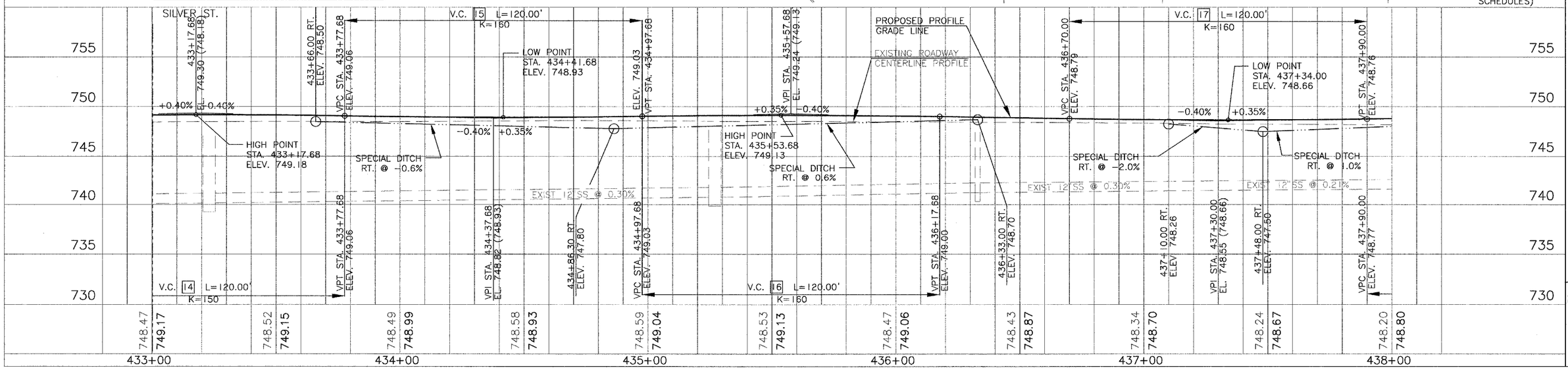
LEGEND

- DETECTABLE WARNINGS
- PCC BASE COURSE WIDENING
- PCC SIDEWALK
- PCC DRIVEWAY PAVEMENT
- (1) DRAINAGE STRUCTURE NO. (SEE DRAINAGE SCHEDULES)

BM#5 – STA. 433+37.0, 41.0' LT. TOP NUT ON FIRE HYDRANT AT NW CORNER OF PHILO RD. AND SILVER ST. ELEV. 749.97

SEE REMOVAL/RELOCATION PLANS FOR EXACT LOCATION OF SAW CUT LINE FOR PCC BASE COURSE WIDENING AND/OR CONC. CURB AND GUTTER.

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



CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DRAWN BY: AJS
CHECKED BY: GLJ
DATED: 2/06
DESIGNED BY: CES

CITY SECTION
95-00305-01-PV

Philo Road Improvement
Plan & Profile
Sta 433+00 to Sta 438+00

SHEET NO.
32
OF
62

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

BM#7 – STA. 441+96.0, 30.0' LT. TOP NUT ON FIRE HYDRANT AT NW CORNER OF PHILO RD. AND HARDING DR. ELEV. 749.71

MATCH EXIST. PAVEMENT
149+36.8

AREA REFLECTIVE CRACK CONTROL TREATMENT = 201.2 SQ YD
STA. 441+59.55 (℄ PHILO RD.) = STA. 150+00.00 (℄ HARDING DR.)

0 20 40 scale feet

(APT. BUILDING) #2007
(OFFICE BUILDING) #2005
(CARLE CLINIC) #2003
(OFFICE BUILDING) #2001
(GRACE UNITED METHODIST CHURCH)
(RENNER WIKOFF)

MATCHLINE – STA. 438+00
MATCHLINE – STA. 443+00

MATCH EXIST. ENT. 439+08.0, 35' LT. 24.1' C.E. @ 0.2%
MATCH EXIST. ENT. 439+60.5, 35.0' LT. 25.1' C.E. @ 0.9%
35' RADIUS POINT STA 441+12.54, 55.0' LT
40' RADIUS POINT STA 442+12.4, 62.8' LT

PROPOSED ℄ PHILO RD.
STREET LIGHT CONTROLLER
SIGN w/ R.R. TIES
HANDRAIL
CONC. WHEEL STOPS, TYP.
EXIST. R.O.W. 40' LT
EXIST. R.O.W. 30' RT
EXIST. R.O.W. 30' LT
HARDING DR.
CONC ROLL CURB
BIT PARKING
CTR. RAMP 441+82.08 36.77' LT
CTR. RAMP 441+42.50 36.89' LT
442+13.6 22.8' LT
442+55.5 24.0' LT
439+64.2 14.0' LT
442+44.2 22.0' LT
PROPOSED COMB CC&G TB6.24
35:1 TAPER
CONC HEADWALL
CONC. BIKEPATH
EXIST. R.O.W. 40' RT
EXIST. PERM. EASE. 48' RT
EXIST. PERM. EASE. 47' RT
SPECIAL DITCH RT. 438+33 TO STR.122
SPECIAL DITCH RT. 439+66 TO STR.122
MATCH EXIST. ENT. 439+88.8, 35.5' RT. 19.6' C.E. @ −2.2%
MATCH EXIST. ENT. 441+29.3, 36.2' RT. 15.0' C.E. @ −9.9%
MATCH EXIST. ENT. 441+73.3, 63.0' RT. 24.9' C.E. @ −10.0%/−6.3
441+60.63 43.0' RT
441+49.3 77.0' RT
442+10.0 77.0' RT
441+90.0 43.04' RT
442+24.0 46.08' RT
TEMP. CONST. EASE. 57' RT.
12"SS @0.5%
12"SS @0.89%
12"SS @1.0%
8"SAN
8"PVC
BM #6
BM #7

BM#6 – STA. 438+08.0, 31.0' RT. NAIL IN WEST FACE OF POWER POLE ELEV. 749.91

SEE REMOVAL/RELOCATION PLANS FOR EXACT LOCATION OF SAW CUT LINE FOR PCC BASE COURSE WIDENING AND/OR CONC. CURB AND GUTTER.

LEGEND
- DETECTABLE WARNINGS
- PCC BASE COURSE WIDENING
- PCC SIDEWALK
- PCC DRIVEWAY PAVEMENT
- (1) DRAINAGE STRUCTURE NO. (SEE DRAINAGE SCHEDULES)

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

#2004

HARDING DR.

HIGH POINT STA. 438+37.19 ELEV. 748.85
VPI STA. 438+50.00 EL. 748.98 (748.85)
+0.35% −0.54%
EXISTING ROADWAY CENTERLINE PROFILE
PROPOSED PROFILE GRADE LINE
439+32.00 RT. ELEV. 747.35
VPC STA. 440+20.00 ELEV. 748.07
V.C. 19 L=120.00' K=135
LOW POINT STA. 440+92.81 ELEV. 747.87
VPT STA. 441+40.00 ELEV. 747.96
VPI STA. 442+57.72 EL. 748.37 (748.26)
HIGH POINT STA. 442+56.05 ELEV. 748.26
+0.35% −0.37%
438+33.00 RT. ELEV. 748.35
SPECIAL DITCH RT. @ −1.0%
SPECIAL DITCH RT. @ 0.8%
VPT STA. 439+10.00 ELEV. 748.66
439+66.00 RT ELEV. 747.6
VPI STA. 440+80.00 EL. 747.75 (747.88)
VPC STA. 441+97.72 ELEV. 748.16
V.C. 18 L=120.00' K=135
V.C. 20 L=120.00' K=167
EXIST 12"SS @ 1.45%
EXIST 10"SS @ 0.22%
EXIST 12"SS @ 1.85%
EXIST. 8" SAN.

755 750 745 740 735 730

748.20 748.80 | 748.11 748.85 | 748.06 748.71 | 747.83 748.44 | 747.62 748.17 | 747.57 747.94 | 747.50 747.88 | 747.37 748.00 | 747.46 748.17 | 747.67 748.26 | 747.72 748.20

438+00 439+00 440+00 441+00 442+00 443+00

Feb15,2006 9:35am PP438-43.DWG

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DRAWN BY: AJS
CHECKED BY: GLJ
DATED: 2/06
DESIGNED BY: CES

CITY SECTION
95-00305-01-PV

Philo Road Improvements
Plan & Profile
Sta 438+00 to Sta 443+00

SHEET NO
33
OF
62

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

BM#8 –
STA. 444+29.0, 41.0' LT.
TOP NUT ON FIRE HYDRANT
AT SW CORNER PHILO RD.
AND COLORADO AVE.
ELEV. 750.07

MATCH EXIST. ENT.
443+28.9, 34.0' LT.
33.7' C.E. @ 1.5%

(FAMILY VIDEO)

BIT PARKING

PROPOSED ℄
PHILO RD.

CONC. CURB

EXIST. R.O.W. 40' LT

BM #8

PROPOSED COMB
CC&G TB6.24

444+36.6
24.9' LT

+21.2

24'

MATCHLINE – STA. 443+00

443 444 445+00 446 446 447 448

COLORADO AVE.

EXIST. R.O.W. 33' RT

EXIST. R.O.W. 40' LT

MATCH EXIST. PAVEMENT
STA 51+76.87 COLORADO AVE

PERMANENT SURVEY MARKER=1EACH
SURVEY MARKER VAULT=1EACH
SEE DETAIL SHEET AND
SPECIAL PROVISIONS

STA. 444+82.15 (℄ PHILO RD.) =
STA. 52+18 (℄ COLORADO AVE.)

(AMOCO OIL)

END PROJECT
END IMPROVEMENTS
PHILO ROAD
STA. 445+23

EXIST. R.O.W. 40' LT

22.81'

24.20'

FINISH PCC BASE COURSE WIDENING
2 1/2"BELOW EXISTING SURFACE

18"SS
@2.5%

PROPOSED COMB
CC&G TB6.24

+66.8

444+24.0
22.0' RT

22'

10.5'

11.50'

10'

CONC. BIKEPATH

EXIST. R.O.W. 40' RT

EXIST. PERM. EASE. 47' RT

TEMP. CONST.
EASE. 57' RT.

443+90.0
46.08' RT

444+34.56
44.00' RT

R=15'

52+80.57
17.5' RT

52+80.57
32.00' RT

8'

40' RADIUS POINT
STA 444+24.0, 62.0' LT

(RENNER WIKOFF)

EXIST. R.O.W. 33' RT

COLORADO AVENUE
IMPROVEMENTS (DASHED)
BY OTHERS

EXIST. R.O.W. 40' LT

MATCH FUTURE PAVEMENT
STA 52+64.50 COLORADO AVE

(OSCO DRUG)

MONUMENT

SEE REMOVAL/RELOCATION PLANS FOR
EXACT LOCATION OF SAW CUT LINE
FOR PCC BASE COURSE WIDENING
AND/OR CONC. CURB AND GUTTER.

0 20 40
scale feet

LEGEND
- DETECTABLE WARNINGS
- PCC BASE COURSE WIDENING
- PCC SIDEWALK
- PCC DRIVEWAY PAVEMENT
- ① DRAINAGE STRUCTURE NO. (SEE DRAINAGE SCHEDULES)

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

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

COLORADO AVE.

760 755 750 745 740 735

PROPOSED PROFILE GRADE LINE

EXISTING ROADWAY CENTERLINE PROFILE

BIT. SURF. REMOVAL 1 1/2"
BIT. CONC. SURF. CRSE 1 1/2"
STA. 444+33 TO STA. 445+23

ELEV. 747.72

STA. 445+23.00

MATCH EXISTING
STA. 445+23.00

VPT STA. 443+17.72
ELEV. 748.15

747.72 748.20 747.71 747.73 747.73 747.84 747.73 747.73 747.72

443+00 444+00 445+00 446+00

Feb15,2006 9:35am PP443-46.DWG

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

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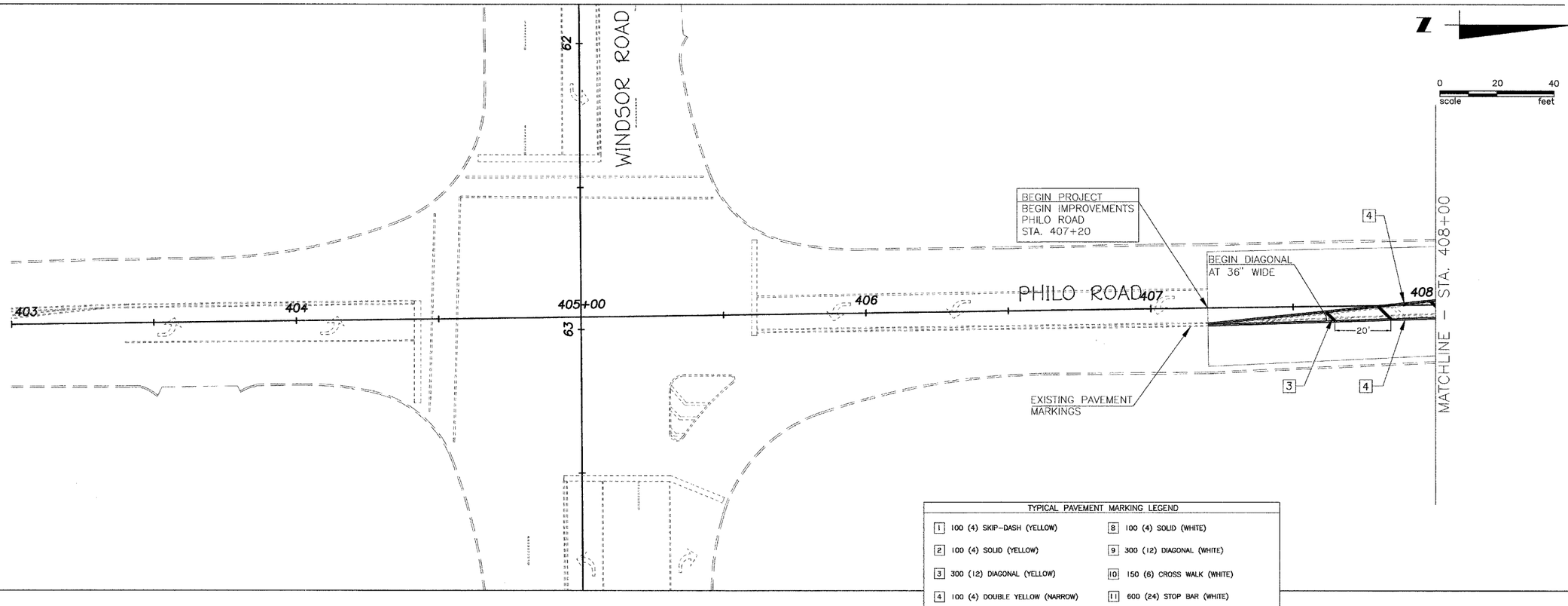
CHECKED BY: GLJ
DESIGNED BY: CES
DATED: 2/06

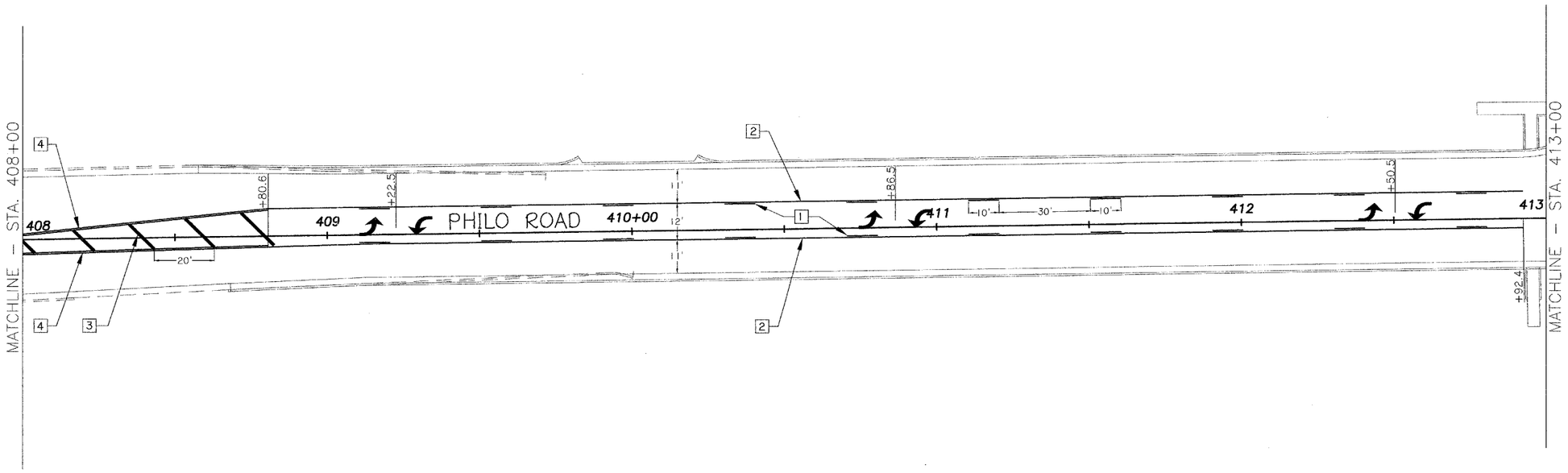
CITY SECTION
95-00305-01-PV

Philo Road Improvements
Plan & Profile
Sta. 443+00 to Sta. 445+23

SHEET NO.
34
OF
62



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



CITY OF URBANA
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ENGINEERING DIVISION

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CHECKED BY: GLJ
DATED: 2/06
DESIGNED BY: CES

CITY SECTION
95-00305-01-PV

Philo Road Improvements
Pavement Marking Plan
Sta 403+00 to Sta 413+00

SHEET NO
35
OF
62

Feb15,2006 9:19am MARK403-413.dwg

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

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

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DATED: 2/06

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Philo Road Improvements
Pavement Marking Plan
Sta 413+00 to Sta 423+00

SHEET NO.
36
OF
62

Feb15,2006 9:19am MARK413-423.dwg

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

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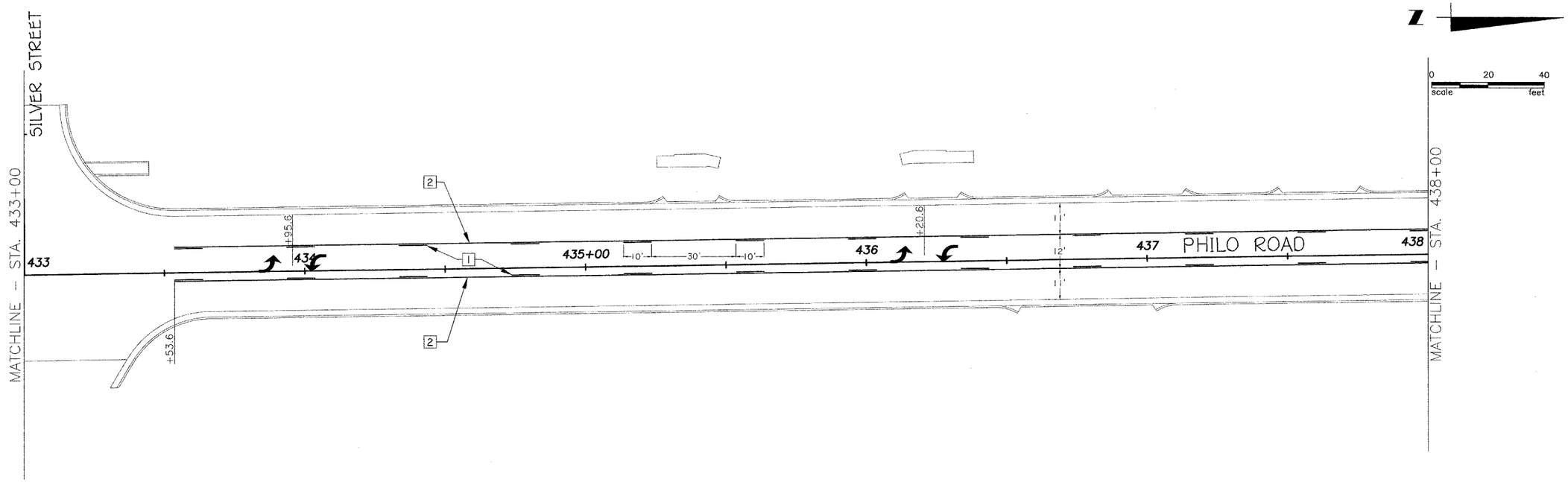
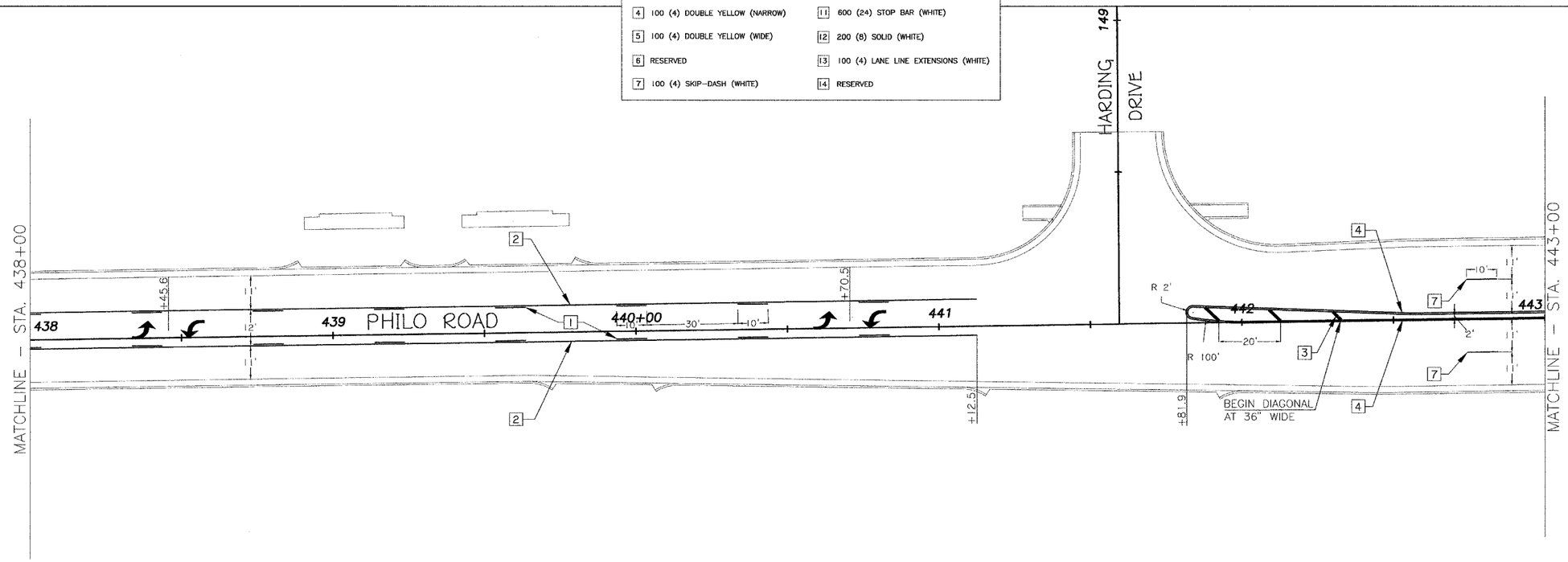
Philo Road Improvements
Pavement Marking Plan
Sta 423+00 to Sta 433+00

SHEET NO
37
OF
62

Feb 15, 2006 9:18am MARK423-433.dwg



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



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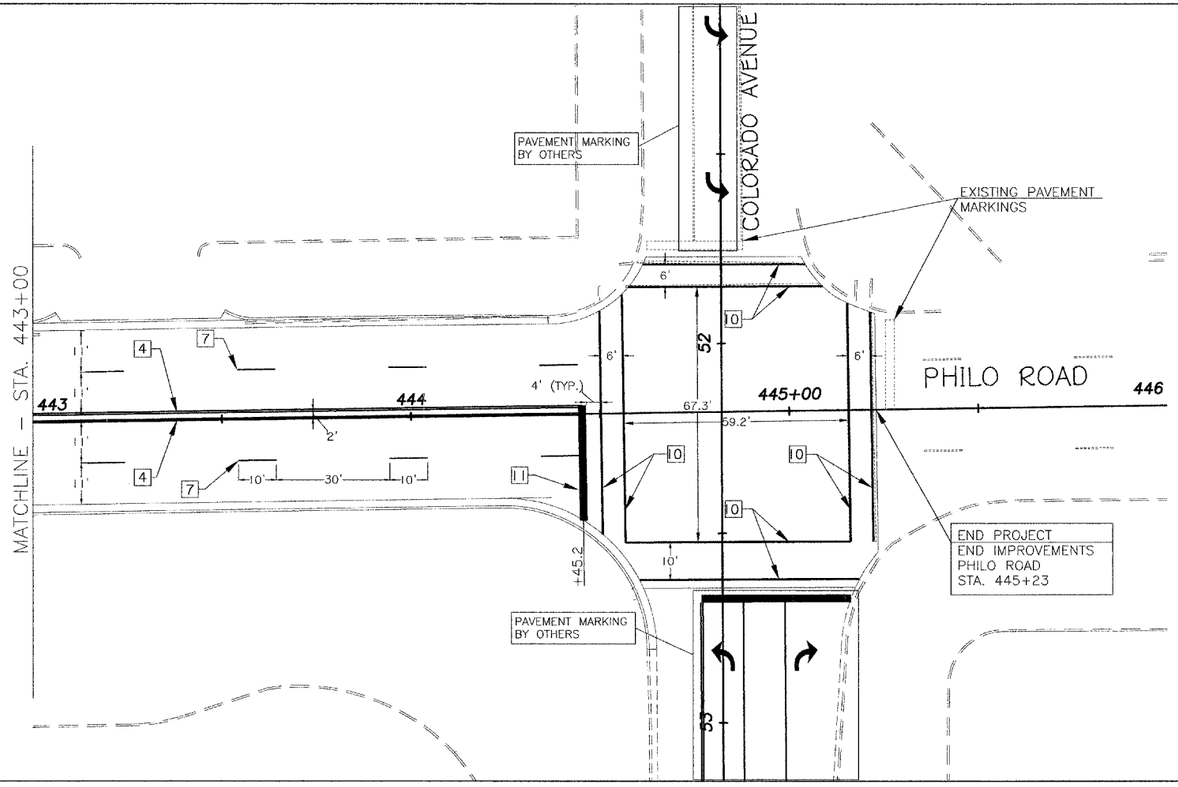
Philo Road Improvements
Pavement Marking Plan
Sta 433+00 to Sta 443+00

SHEET NO.
38
OF
62

Feb15,2006 9:18am MARK433-443.dwg



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

0 20 40
scale feet

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PUBLIC WORKS
ENGINEERING DIVISION

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DATED: 2/06

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Philo Road Improvements
Pavement Marking Plan
Sta 443+00 to Sta 446+00

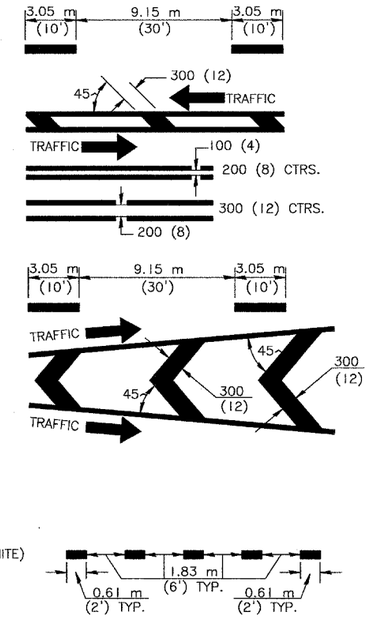
SHEET NO
39
OF
62

Feb 15,2006 9:13am MARK443-446.dwg

TYPICAL APPLICATIONS OF URBAN PAVEMENT MARKINGS AND MARKERS

TYPICAL PAVEMENT MARKING LEGEND

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

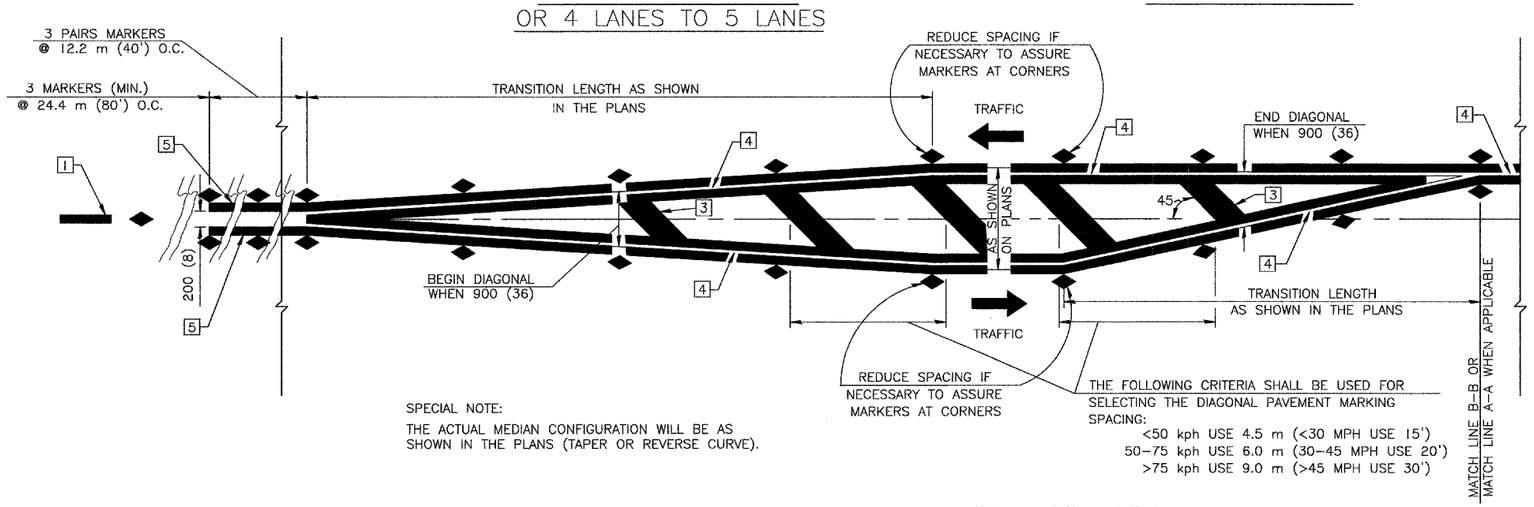


TYPICAL PAVEMENT MARKERS LEGEND

- TWO–WAY AMBER MARKER
- ONE–WAY AMBER MARKER
- ONE–WAY CRYSTAL MARKER

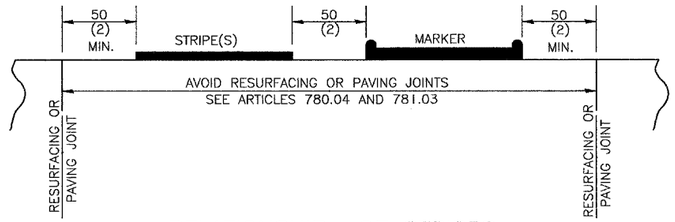
2 LANES TO 3 LANES OR 4 LANES TO 5 LANES

LEFT TURN LANE

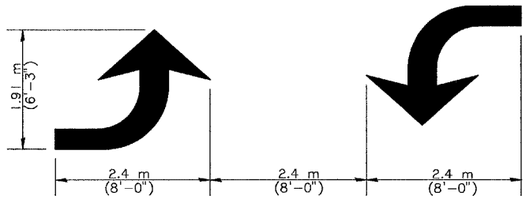


SPECIAL NOTE:
THE ACTUAL MEDIAN CONFIGURATION WILL BE AS SHOWN IN THE PLANS (TAPER OR REVERSE CURVE).

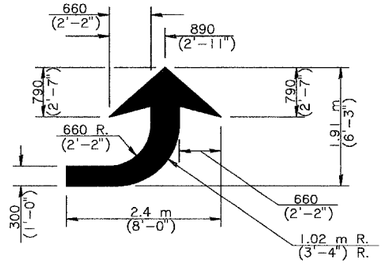
TYPICAL MEDIAN TRANSITIONS



RELATIONSHIP OF STRIPES, MARKERS AND JOINTS



TYPICAL DOUBLE TURN ARROWS (WHITE)



LEFT ARROW

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

GENERAL NOTES

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

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

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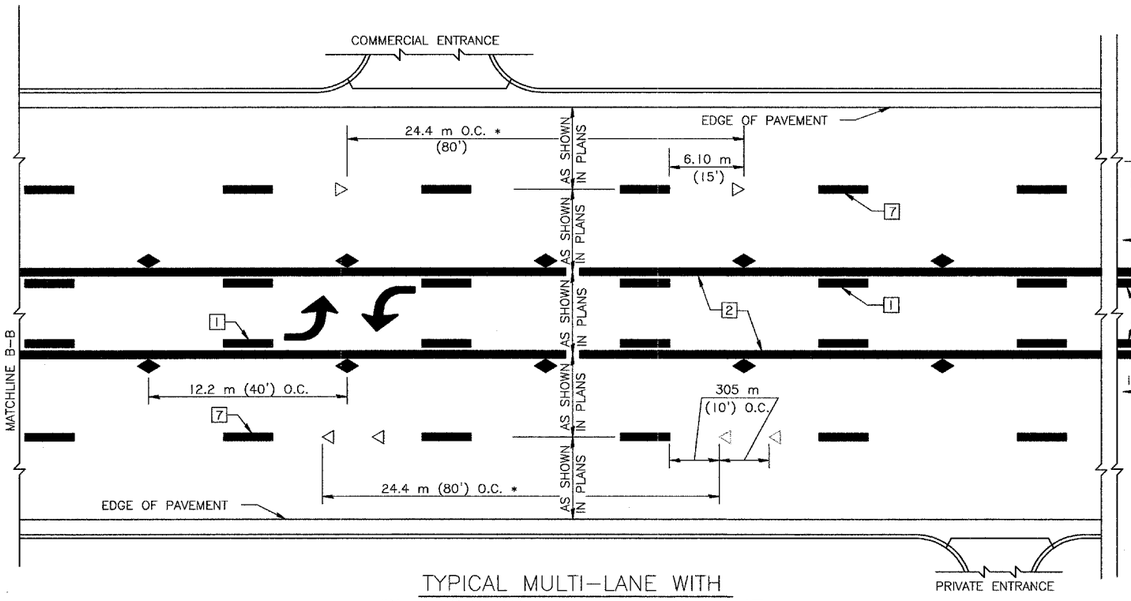
95-00305-01-PV

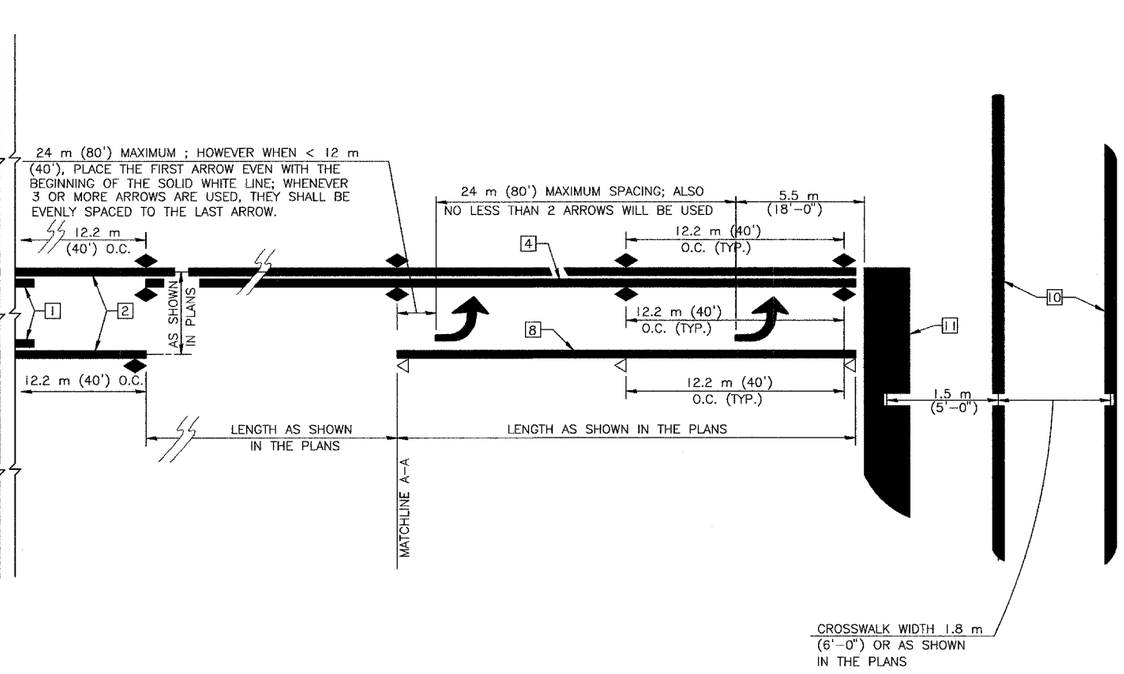
Philo Road Improvements
Pavement Marking Details

SHEET NO.
40
OF
62

TYPICAL APPLICATIONS OF URBAN PAVEMENT MARKINGS AND MARKERS



TYPICAL MULTI-LANE WITH
BI-DIRECTIONAL LEFT TURN LANE



TYPICAL MULTI-LANE TRANSITION FROM
BI-DIRECTIONAL LEFT TURN LANE TO LEFT TURN LANE

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

SPECIAL NOTES:

TURN ARROW PAIRS SHALL BE PLACED AT 75 m (250') INTERVALS AND SHALL BE EVENLY SPACED BETWEEN BOTH ENDS OF THE BIDIRECTIONAL LEFT TURN LANE.

THE SOLID YELLOW PAVEMENT MARKINGS [2] SHOULD GENERALLY START OR END NEAR THE RADIUS POINT OF EACH STREET RETURN EXCEPT WHERE ONE OR BOTH ENDS WOULD INCLUDE STOP BARS.

THE SKIP-DASH PAVEMENT MARKINGS [1] OR [7] SHOULD BE CENTERED BETWEEN BOTH ENDS OF EACH CITY BLOCK AND SHALL BE PLACED SO THEY LINE UP ACROSS FROM EACH OTHER. SEE EXAMPLE ABOVE.

* REDUCE TO 12.2 METERS (40 FEET) O.C. IN NO PASSING ZONES AND ON CURVES WHERE ADVISORY SPEEDS ARE 15 kph (10 MPH) LOWER THAN POSTED SPEEDS.

** WHERE DOUBLE LANE LINE MARKERS ARE SPECIFIED, THEY SHALL BE SPACED AS SHOWN ABOVE.

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Philo Road Improvements
Pavement Marking Details

SHEET NO.
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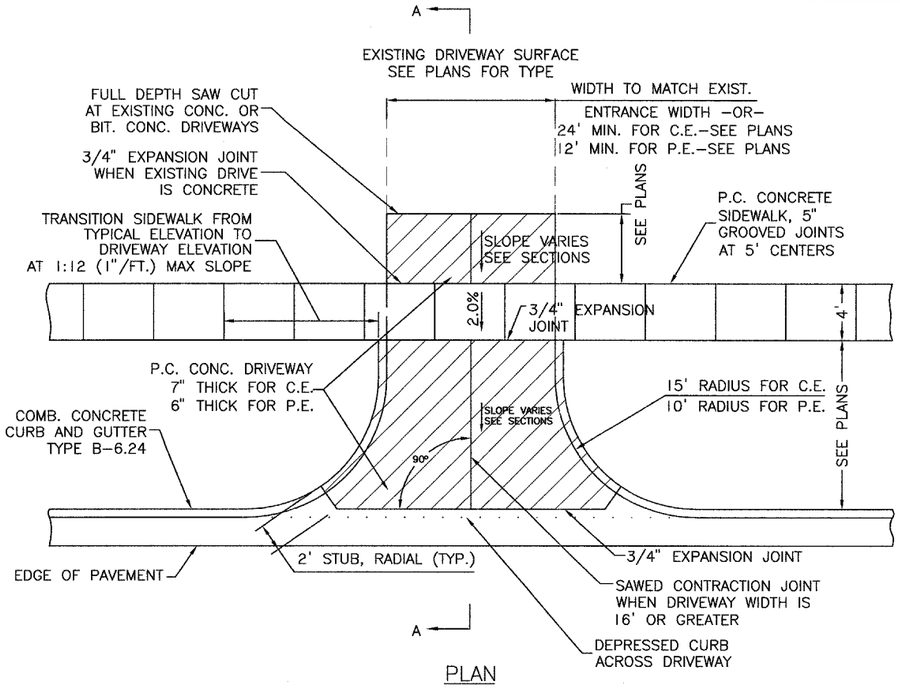
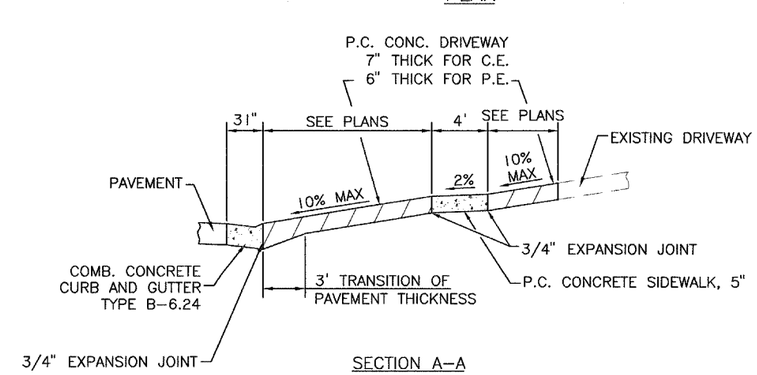
62

Feb15,2006 9:11am MARK detail 2.dwg



PLAN

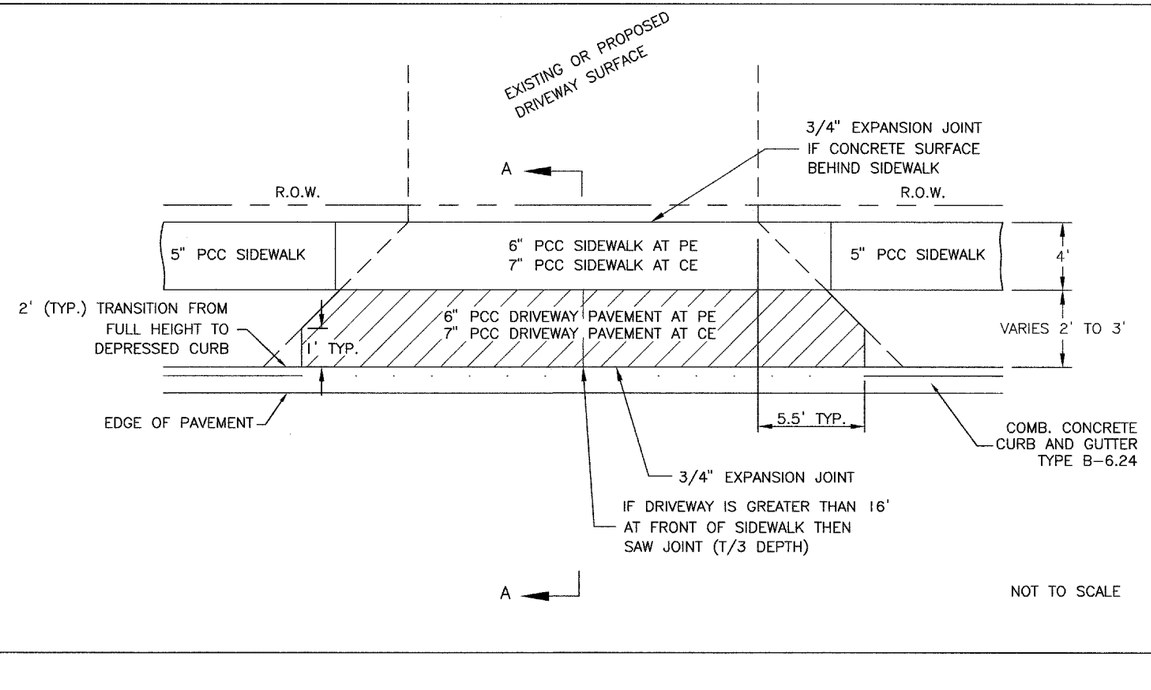


SECTION A–A

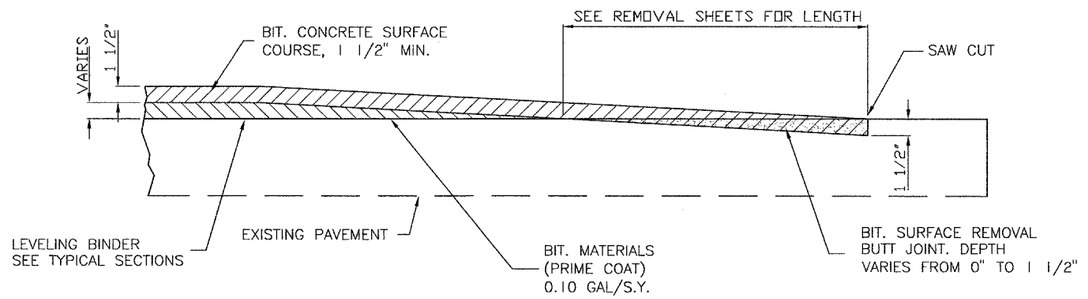
P.C. CONCRETE DRIVEWAY PAVEMENT DETAIL (PRIVATE AND COMMERCIAL ENTRANCES)

GENERAL NOTES FOR P.C.C. DRIVEWAY PAVEMENT

1. THE COST OF CONSTRUCTING THE DEPRESSED GUTTER OR CURB INCLUDING THE 2' STUB AS SHOWN SHALL BE CONSIDERED INCLUDED IN THE COST OF CONSTRUCTING THE COMBINATION CONCRETE CURB AND GUTTER TYPE B–6.24 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 ADDITIONAL P.C.C. SIDEWALK THICKNESS AND THICKNESS TRANSITION AS SHOWN, INCLUDING THE ADJACENT CURBING AS SHOWN, SHALL BE INCLUDED IN THE COST OF CONSTRUCTING P.C. CONCRETE SIDEWALK 5" AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
3. THE COST OF CONSTRUCTING THE P.C. CONCRETE DRIVEWAY PAVEMENT THICKER ADJACENT TO THE GUTTER, SHOULDER, OR PAVEMENT AS SHOWN SHALL BE CONSIDERED INCIDENTAL TO THE P.C. CONCRETE DRIVEWAY PAVEMENT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.



NOT TO SCALE



BUTT JOINT (SPECIAL) DETAIL

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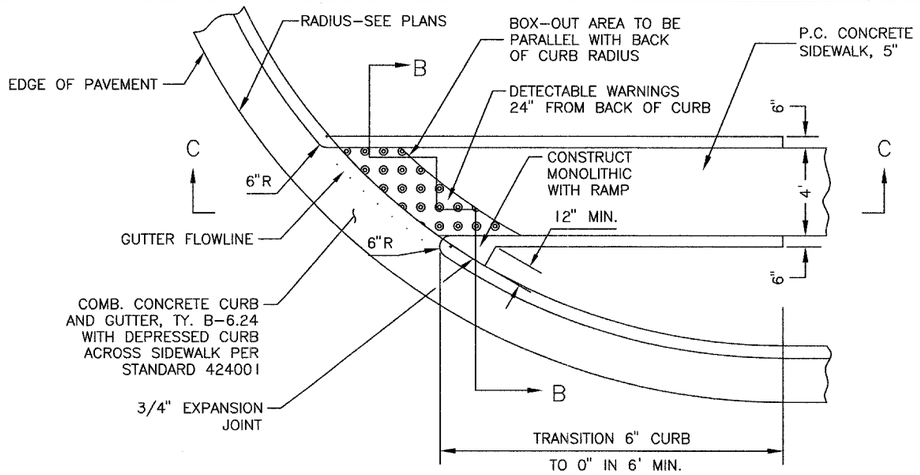
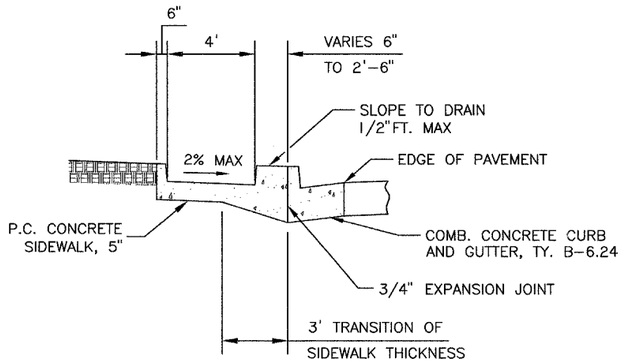
CITY SECTION
95–00305–01–PV

Philo Road Improvements
Miscellaneous Details

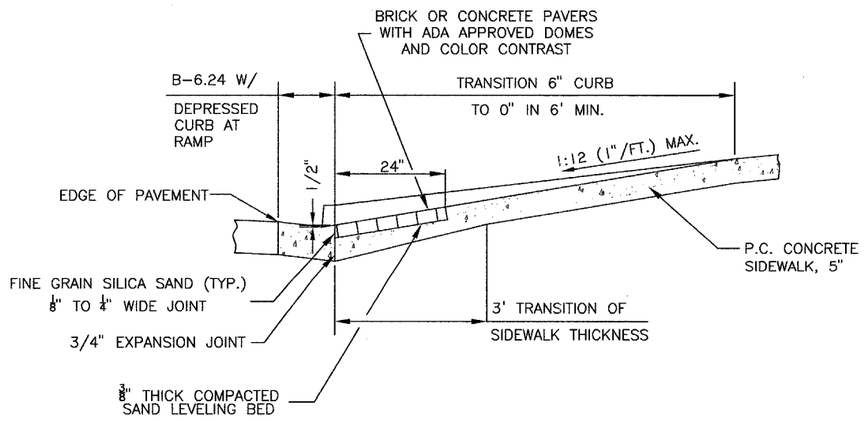
SHEET NO
42
OF
62



PLAN

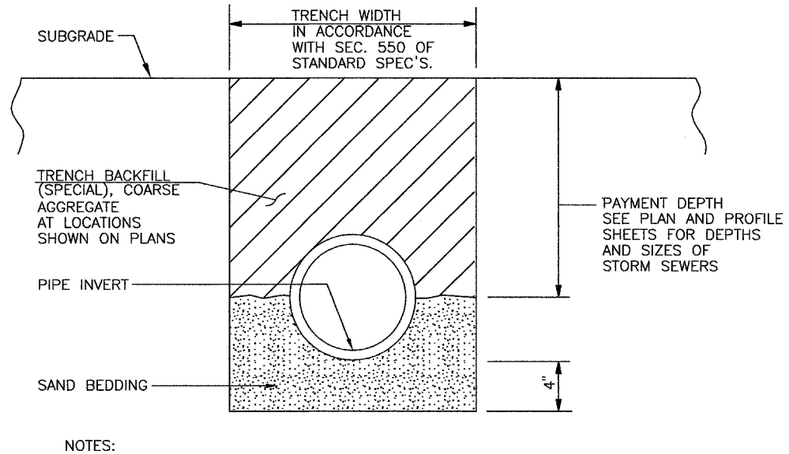


SECTION B–B



SECTION C–C

SIDEWALK RAMP DETAILS



NOTES:

1. THE TRENCH BACKILL (SPECIAL) SHALL BE PLACED IN LIFTS AND COMPACTED AS DESCRIBED IN THE SPECIAL PROVISIONS.
2. THE APPLICABLE ARTICLES OF SECTION 550 OF THE STANDARD SPECIFICATIONS SHALL APPLY FOR EXCAVATION, BEDDING AND INSTALLATION OF STORM SEWERS.
3. THE SAND BEDDING SHALL BE CONSIDERED AS INCIDENTAL AND WILL NOT BE MEASURED FOR PAYMENT.

TRENCH BACKFILL (SPECIAL) DETAIL

SIDEWALK GENERAL NOTES

1. THE COST OF CONSTRUCTING THE DEPRESSED CURB AS SHOWN SHALL BE CONSIDERED INCLUDED IN THE COST OF CONSTRUCTING COMBINATION CONCRETE CURB AND GUTTER TYPE B–6.24 AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
2. THE COST OF FURNISHING AND INSTALLING THE 3/4" EXPANSION JOINTS AND THE COST OF CONSTRUCTING THE P.C.C. SIDEWALK THICKNESS TRANSITION, INCLUDING THE ADJACENT CURBING AS SHOWN, SHALL BE INCLUDED IN THE COST OF CONSTRUCTING P.C. CONCRETE SIDEWALK 5" AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
3. THE DETECTABLE WARNINGS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DETAIL SHOWN AND THE SPECIAL PROVISIONS. THE DETECTABLE WARNINGS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR DETECTABLE WARNINGS.

CITY OF URBANA
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Philo Road Improvements
Miscellaneous Details

SHEET NO
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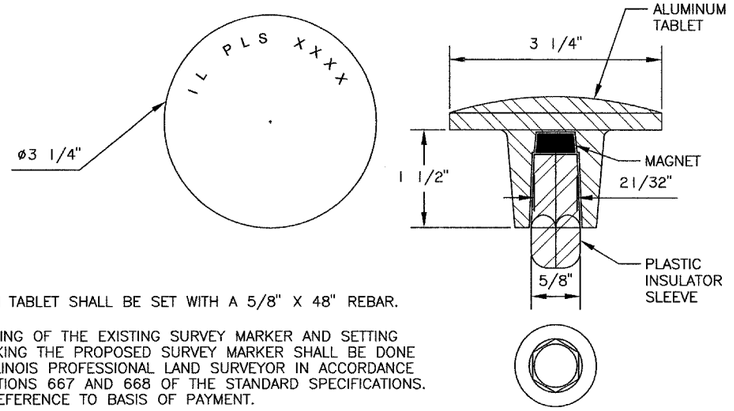


NOTES:

1. ALUMINUM TABLET SHALL BE SET WITH A 5/8" X 48" REBAR.
2. REFERENCING OF THE EXISTING SURVEY MARKER AND SETTING AND MARKING THE PROPOSED SURVEY MARKER SHALL BE DONE BY AN ILLINOIS PROFESSIONAL LAND SURVEYOR IN ACCORDANCE WITH SECTIONS 667 AND 668 OF THE STANDARD SPECIFICATIONS. DELETE REFERENCE TO BASIS OF PAYMENT.
3. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR PERMANENT SURVEY MARKERS WHICH PRICE SHALL INCLUDED ALL LABOR AND MATERIAL AS SPECIFIED, INCLUDING SETTING AND MARKING THE SURVEY MARKER BY AN ILLINOIS PROFESSIONAL LAND SURVEYOR AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

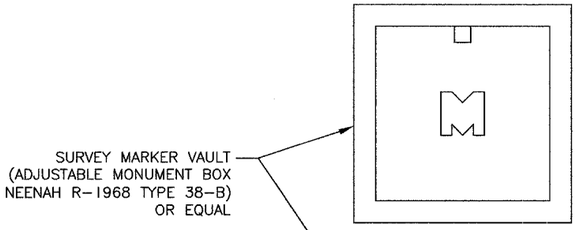
SPECIFICATION FOR ALUMINUM TABLET

SURVEY CAP FOR REBAR. 3 1/4" CONVEX SURVEY CAP FOR 5/8-INCH REBAR WITH IL PLS NUMBER. THIS LOGO SHALL PROVIDE LETTERS RECESSED INTO THE SURFACE A MINIMUM OF 0.031 (1/32) INCH FOR EASY AND LONG-TERM LEGIBILITY. THE ALUMINUM CAP FOR REBARSHALL BE PRODUCED BY THE PROCESS OF ORBITAL FORGING TO PRODUCE A HIGH-STRENGTH AND DURABLE MARKER CAP WHICH WILL NOT CHIP OR BREAK AND PROVIDE A SMOOTH FINISH FOR STAMPING OF DATA IN THE FIELD.

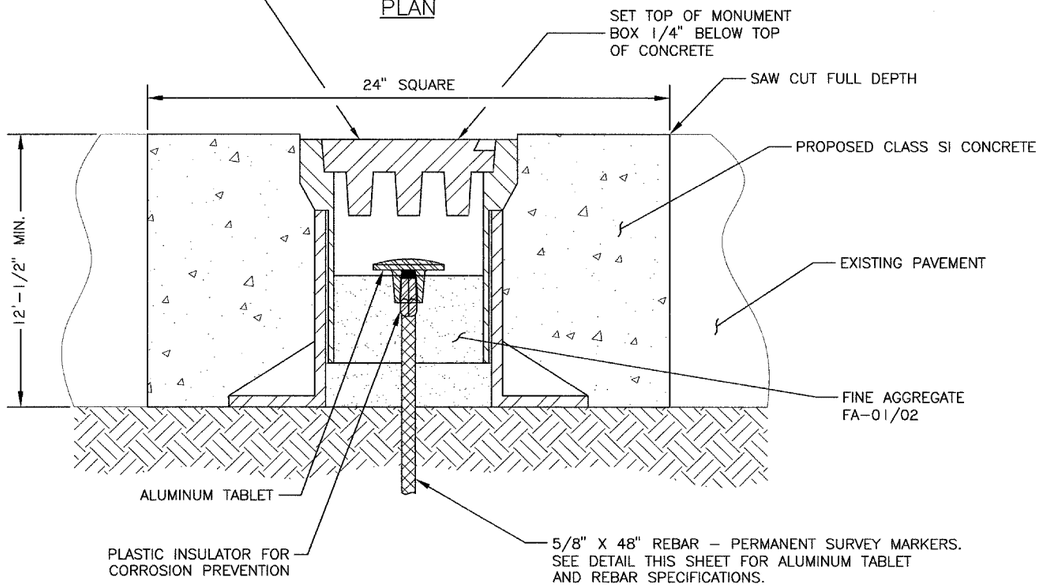
THE ALUMINUM CAP FOR REBAR SHALL BE TAPERED FOR A PERFECT COMPRESSION FIT. A SPECIAL PLASTIC INSULATOR SHALL BE INSTALLED TO PREVENT DISSIMILAR METAL CONTACT AND CORROSION. THE PLASTIC INSULATOR SHALL FORM READILY TO THE OUTER SHAPE OF THE REBAR AND TO THE INNER SHAPE OF THE ALUMINUM CAP SOCKET. THE PLASTIC INSULATOR SHALL BE LOW DENSITY POLYETHYLENE, A MINIMUM 1 1/2" LONG AND CONFORM TO FEDERAL SPECIFICATION L-P 390.

COMPOSITION: ALUMINUM 98.3-98.7%;OTHER 1.3-1.7%
STRENGTH:YIELD 28 KSI, ULTIMATE 32 KSI
ELONGATION: 15% (IN TWO INCHES)
SPECIFICATIONS: ALUMINUM ALLOWY 6101-0; ASTM B317-83 (EXCEPT TEMPER) AS FORGED. NO EXCEPTIONS.

PERMANENT SURVEY MARKER DETAIL



PLAN

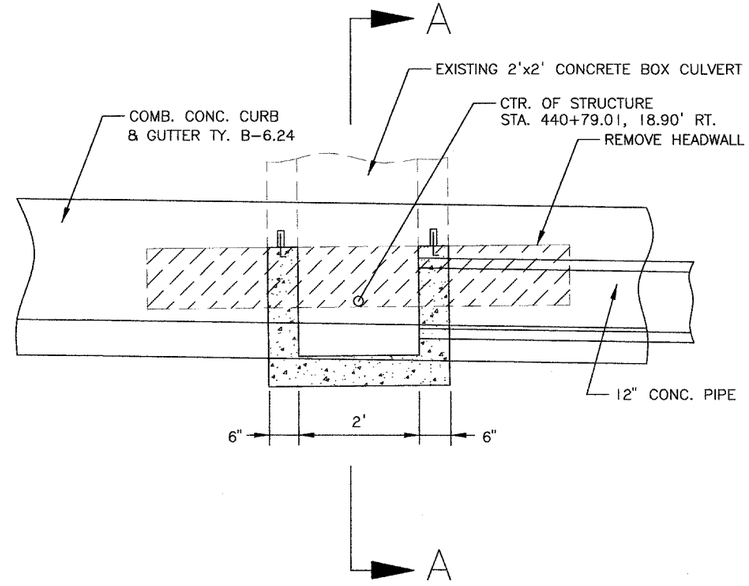


ELEVATION

NOTES:

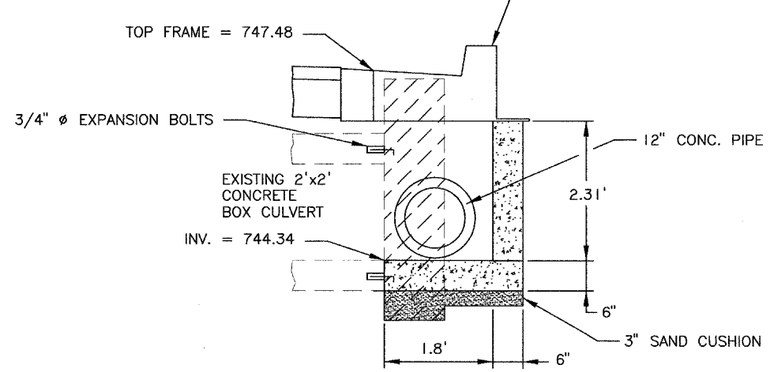
1. WORK SHALL NOT START ON THIS ITEM UNTIL THE FINAL LIFT OF BITUMINOUS CONCRETE SURFACE COURSE OR P.C.C. CONCRETE HAS BEEN COMPLETED.
2. PRESERVATING SECTION OR SUBSECTION STONES AND OTHER MARKERS SHALL BE DONE IN ACCORDANCE TO SECTIONS 667 AND 668. DELETE REFERENCE TO BASIS OF PAYMENT.
3. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR SURVEY MARKER VAULT WHICH PRICE SHALL INCLUDE ALL LABOR AND MATERIAL AS SPECIFIED INCLUDING PAVEMENT REMOVAL, MONUMENT BOX, CONCRETE CLASS SI, AND FA-01/02 AGGREGATE AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

SURVEY MARKER VAULT DETAIL



INLET SPECIAL WITH NEW TYPE 3 FRAME AND GRATE DETAIL

STR. NO. 131, STA. 449+79.00, 18.90' RT.



SECTION A-A

NOTES:

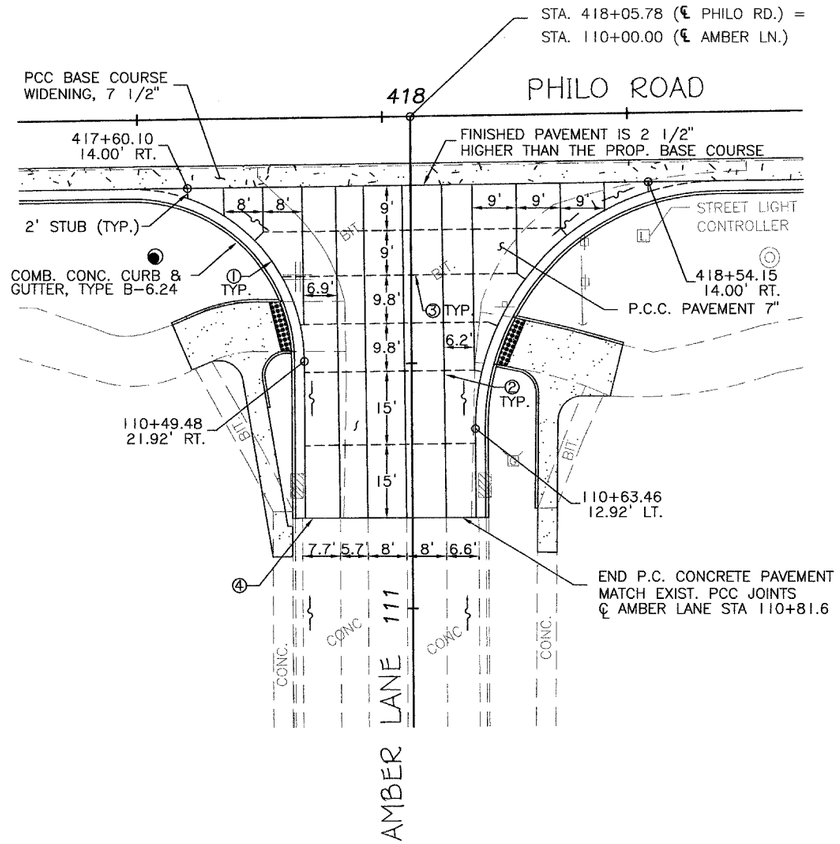
1. 3/4" ø EXPANSION BOLTS, 6" LONG REQUIRED TO CONNECT NEW INLET TO EXISTING BOX CULVERT. TOTAL REQUIRED = 8. LOCATE AS DIRECTED BY THE ENGINEER.
2. CLASS SI CONCRETE SHALL BE USED THROUGHOUT.
3. THE CONTRACT UNIT PRICE EACH FOR INLET SPECIAL WITH NEW TYPE 3 FRAME AND GRATE SHALL INCLUDE THE COST OF CONSTRUCTING THE INLET, FURNISHING AND INSTALLING THE FRAME AND GRATE, SAND CUSHION AND ALL EXCAVATION AND BACKFILL.

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DRAWN BY: AJS | CHECKED BY: GLJ
DATED: 2/06 | DESIGNED BY: CES
CITY SECTION
95-00305-01-PV

Philo Road Improvements
Miscellaneous Details

SHEET NO.
44
OF
62



PAVEMENT JOINT KEY

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

② SAWED LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 x 30" TIE BARS AT 24" CENTERS (STD. BLR 10-50 TYPE E).

③ SAWED TRANSVERSE JOINT (STD. BLR 10-5 TYPE C).

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

NOTES:

1. THE FINAL FINISH OF THE P.C. CONCRETE PAVEMENT SHALL BE TYPE B IN ACCORDANCE WITH ARTICLE 402.11(e)(2) OF THE STANDARD SPECIFICATIONS.
2. THE 2' STUBS SHALL BE POURED MONOLITHIC WITH THE COMBINATION CONCRETE CURB AND GUTTER. THE COST OF THE ADDITIONAL GUTTER FLAG WIDTH SHALL BE INCLUDED IN THE COST OF THE COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24.
3. ALL SAWED TRANSVERSE CONTRACTION JOINTS IN THE PAVEMENT MUST EXTEND THROUGH THE CURB AND GUTTER.
4. ALL SAWED JOINTS IN THE PAVEMENT AND CURB AND GUTTER SHALL BE SEALED WITH A JOINT SEALER MEETING THE REQUIREMENTS OF ARTICLE 606.06 OF THE STANDARD SPECIFICATIONS.
5. TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 420 OF THE STANDARD SPECIFICATIONS. THE COST OF FURNISHING AND INSTALLING THE TRANSVERSE CONSTRUCTION JOINTS, INCLUDING DRILLING AND GROUTING, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE VARIOUS CURB AND GUTTER AND/OR PAVEMENT PAY ITEMS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DRAWN BY: AJS
CHECKED BY: GLW
DESIGNED BY: CES
DATED: 2/06

CITY SECTION
95-00305-01-PV

Philo Road Improvements
Miscellaneous Details

SHEET NO.
45
OF
62

Feb15,2006 9:01am MISC DETAILS.dwg

CITY OF URBANA CITY SECTION 95-00305-01-PV	TOTAL SHEETS	SHEET NO.
	62	46

408+33 | 408+00 | 407+66 | 407+33 | 407+20 | 407+00 | 406+66

755 750 745 740

EXISTING R.O.W.
EXISTING PERM. EASE.
BITUMINOUS SURFACE REMOVAL, 1 ½"
STA 407+20 TO STA 408+68
BEGIN PROJECT
BEGIN IMPROVEMENTS
PHILO ROAD STA. 407+20

752.33 751.84 751.21 750.73 750.62 750.22 749.56

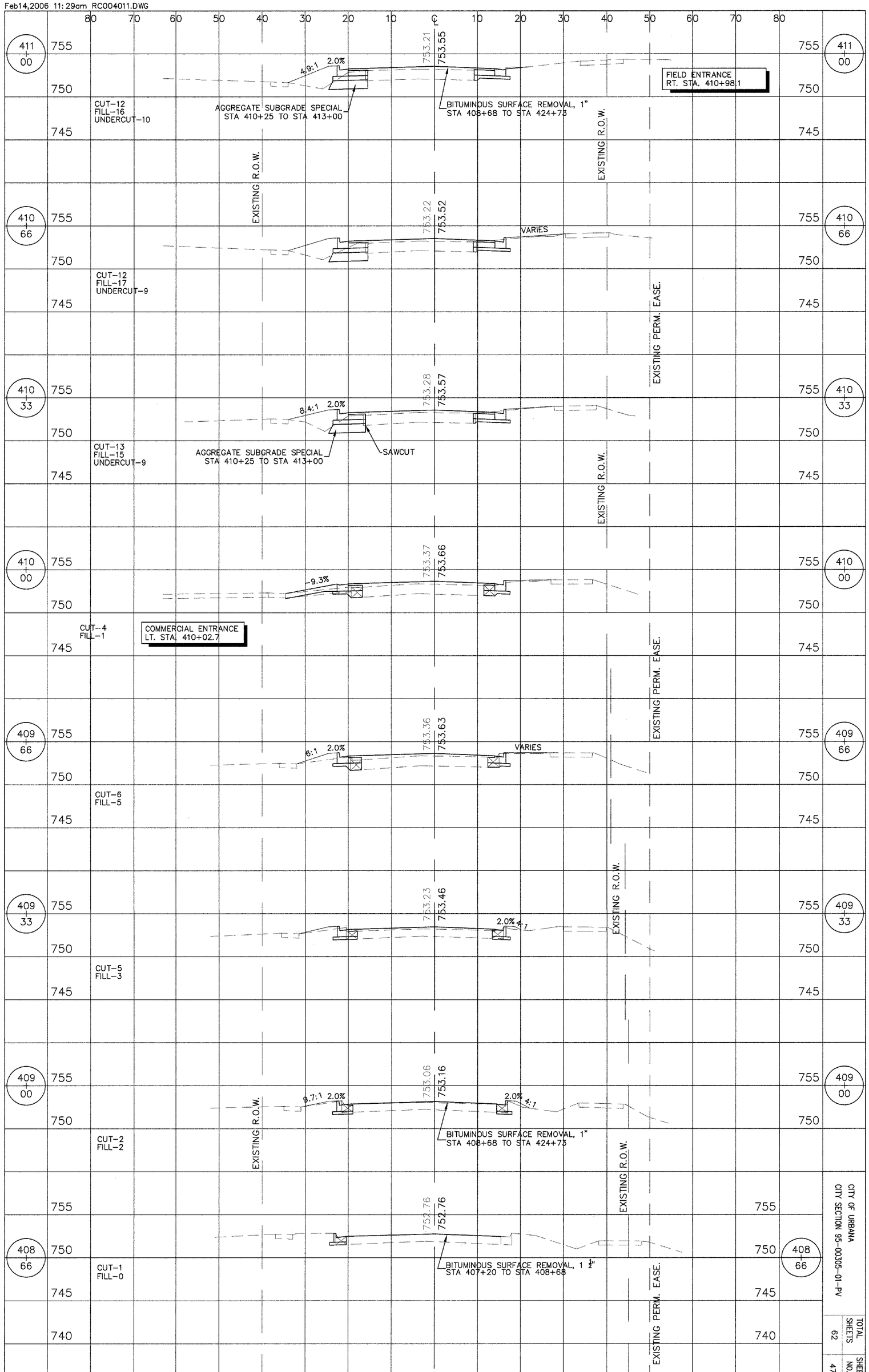
80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80

Feb14,2006 11:28am RC003011.DWG

Feb14,2006 11:29am RC004011.DWG

FEBRUARY 2006

PHILO ROAD - CROSS SECTIONS



CITY OF URBANA
CITY SECTION 95-00305-01-PV

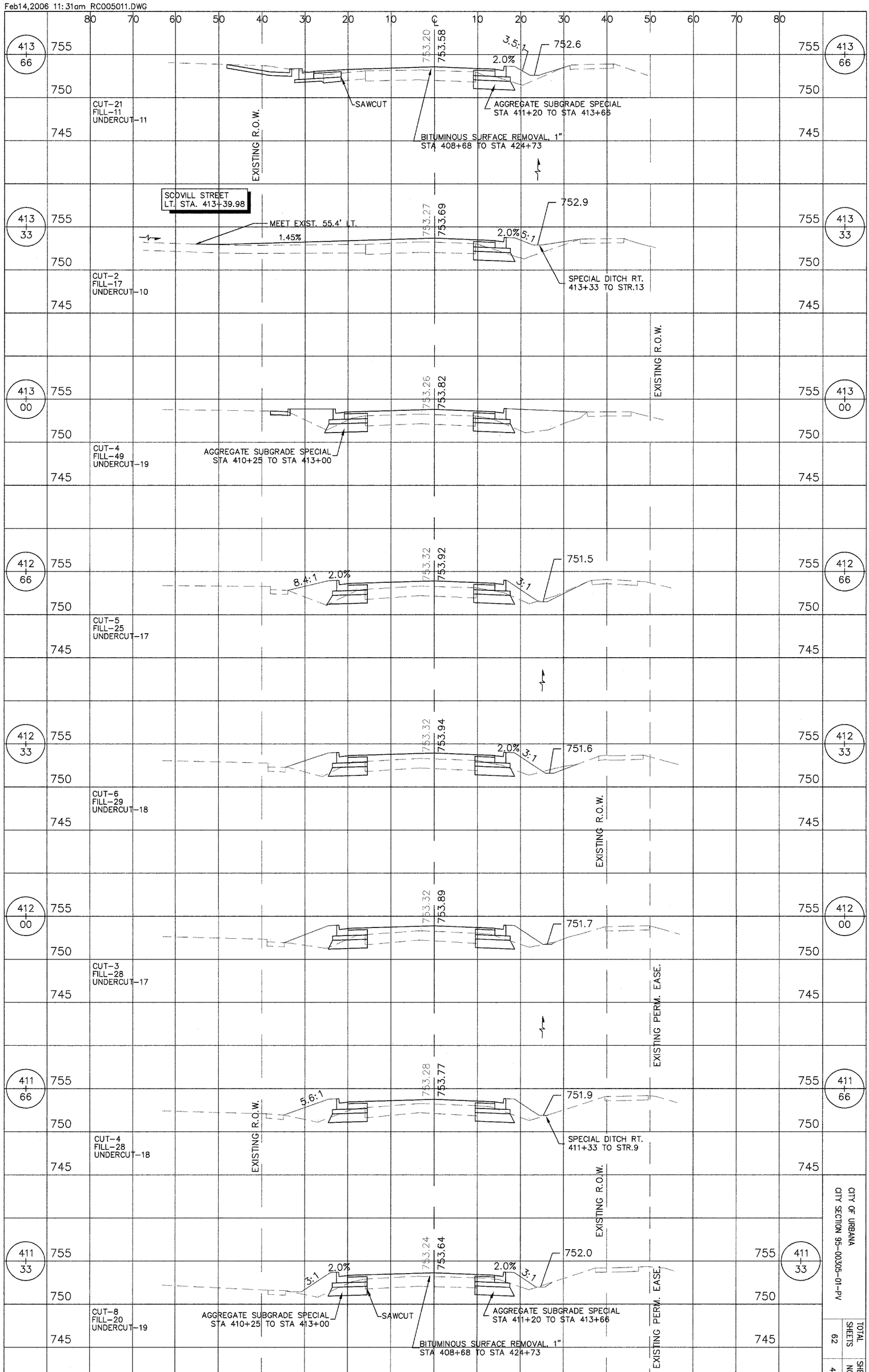
TOTAL SHEETS	SHEET NO.
62	47

Contract No. 9

Feb14,2006 11:31am RC005011.DWG

FEBRUARY 2006

PHILO ROAD - CROSS SECTIONS

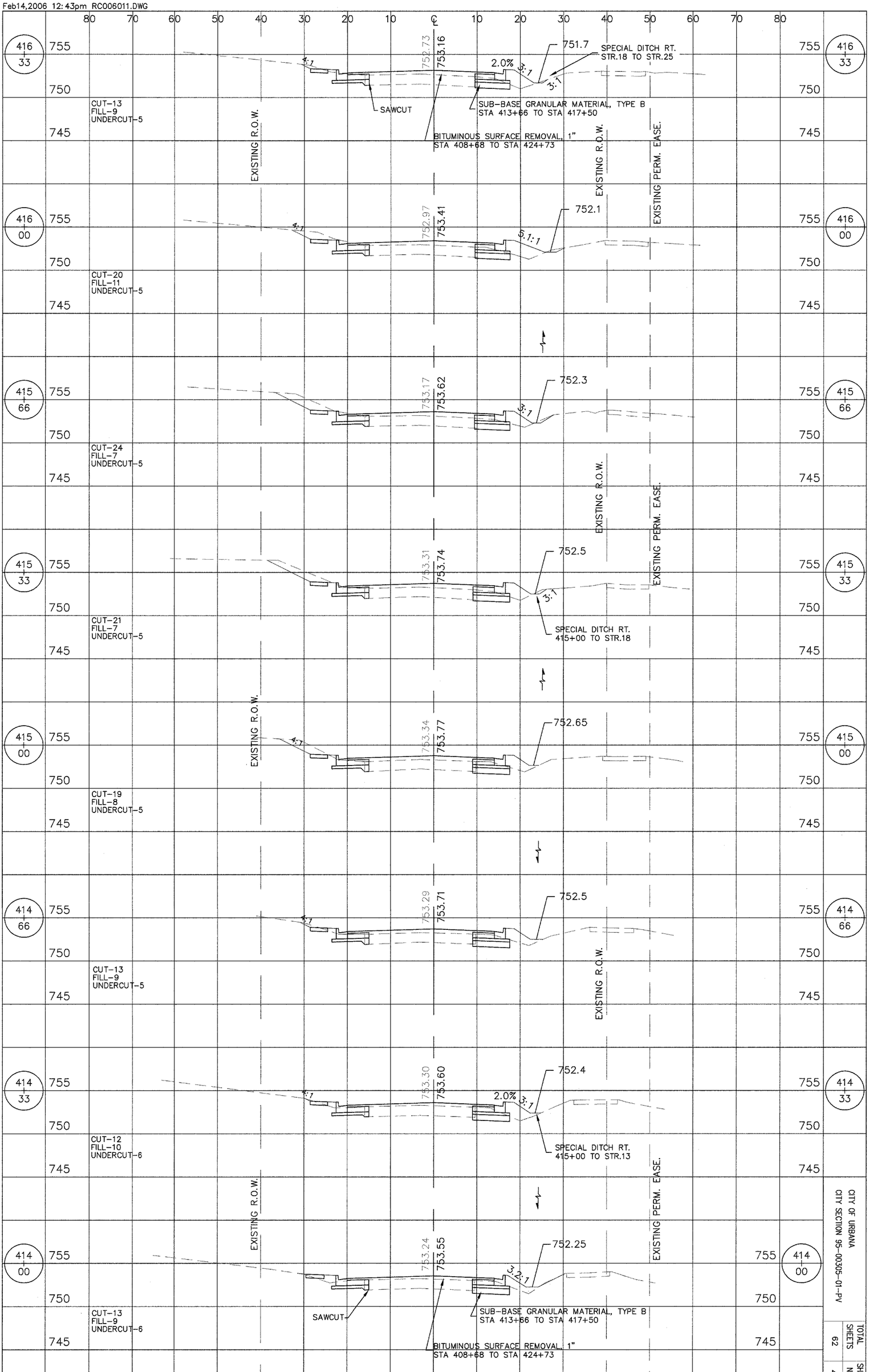


CITY OF URBANA
CITY SECTION 95-00305-01-PV

TOTAL SHEETS	SHEET NO.
62	48

Contract No.

Feb14,2006 12:43pm RC006011.DWG



FEBRUARY 2006

PHILO ROAD – CROSS SECTIONS

CITY OF URBANA
CITY SECTION 95-00305-01-PV

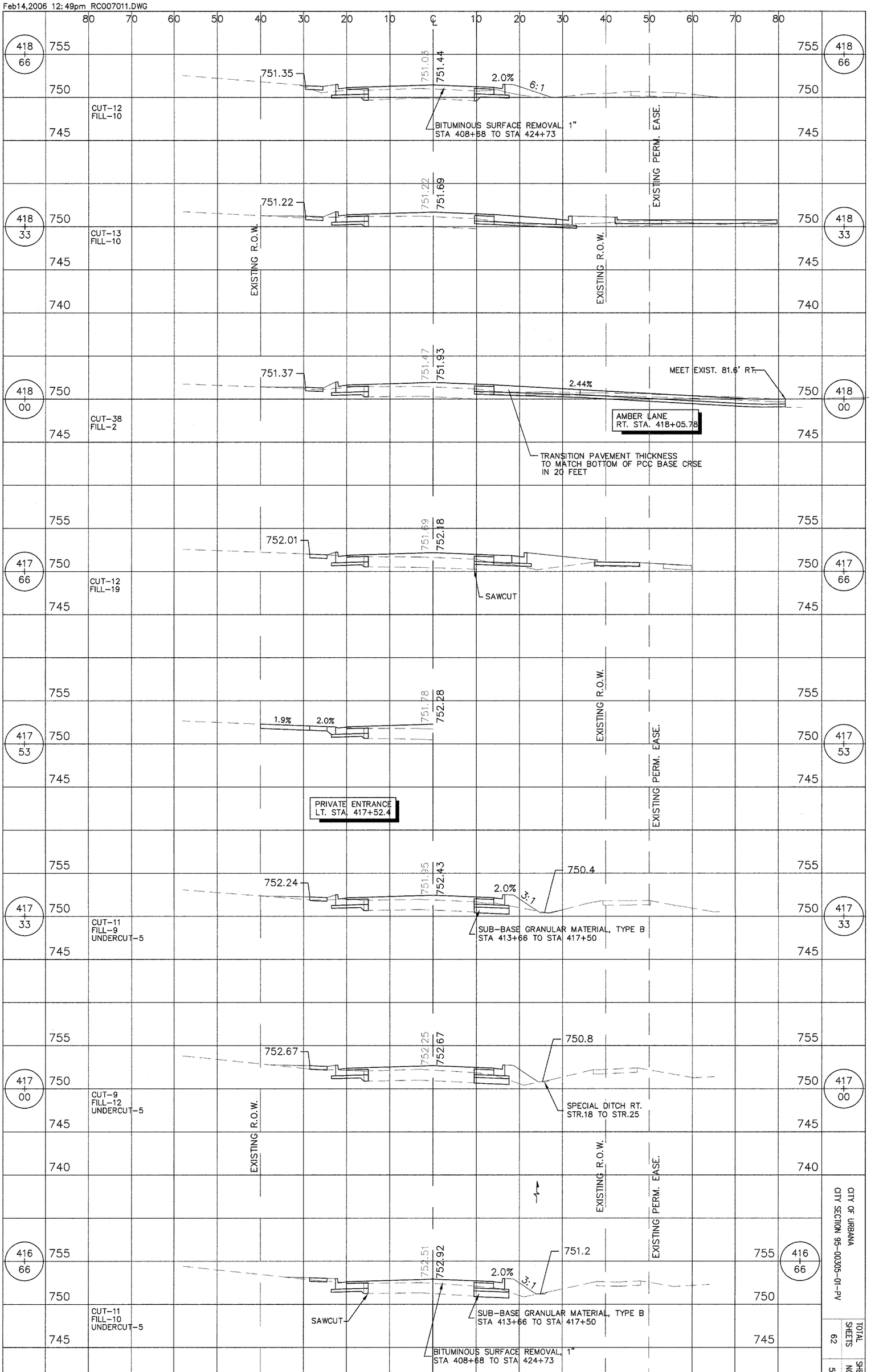
TOTAL SHEETS	SHEET NO.
62	49

Contract No.

Feb14,2006 12:49pm RC007011.DWG

FEBRUARY 2006

PHILO ROAD – CROSS SECTIONS



CITY OF URBANA
CITY SECTION 95–00305–01–PV

TOTAL SHEETS	SHEET NO.
62	50

Contract No.

CITY OF URBANA CITY SECTION 95-00305-01-PV	TOTAL SHEETS	SHEET NO.
	62	51

421+00 | 420+66 | 420+33 | 420+00 | 419+66 | 419+33 | 419+00

EXISTING R.O.W.

EXISTING PERM. EASE.

BITUMINOUS SURFACE REMOVAL, 1" STA 408+68 TO STA 424+73

SAWCUT

749.96 | 750.10 | 750.27 | 750.47 | 750.70 | 750.95 | 751.19

749.39 | 749.60 | 749.85 | 750.08 | 750.31 | 750.58 | 750.82

6.0% | 8.0% | -2.2% | 2.0% | 6:1

750.35

PRIVATE ENTRANCE LT. STA. 420+94.8

COMMERCIAL ENTRANCE RT. STA. 419+75.2

MEET EXIST. 60.5' LT.

0.80%

McHENRY STREET LT. STA. 419+72.8

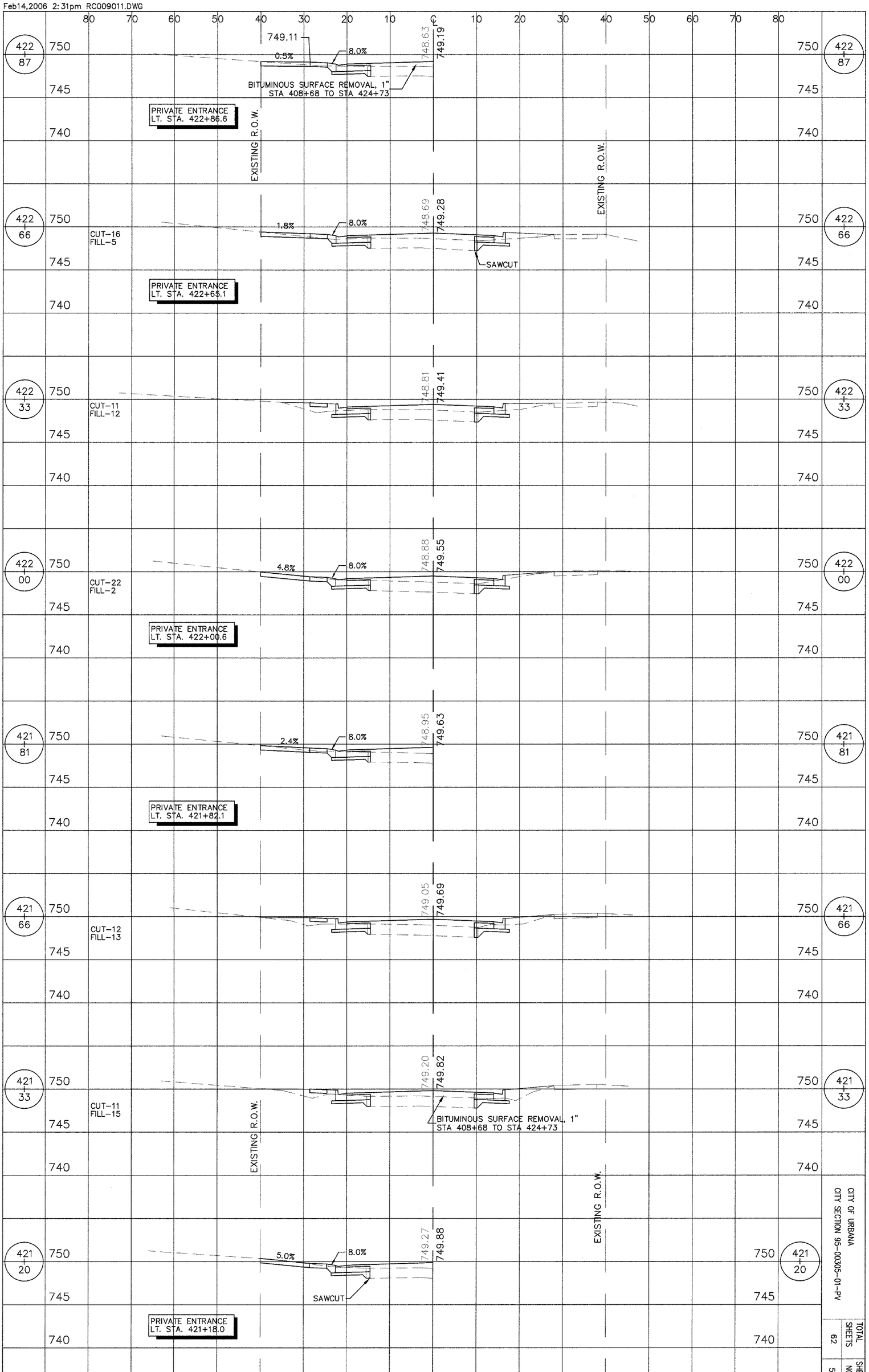
751.25

751.39

CUT-15 FILL-14 | CUT-13 FILL-7 | CUT-14 FILL-8 | CUT-24 FILL-9 | CUT-10 FILL-0 | CUT-11 FILL-12 | CUT-12 FILL-7

Feb14,2006 12:51pm RC008011.DWG

Feb14,2006 2:31pm RC009011.DWG



FEBRUARY 2006

PHILO ROAD – CROSS SECTIONS

CITY OF URBANA
CITY SECTION 95-00306-01-PV

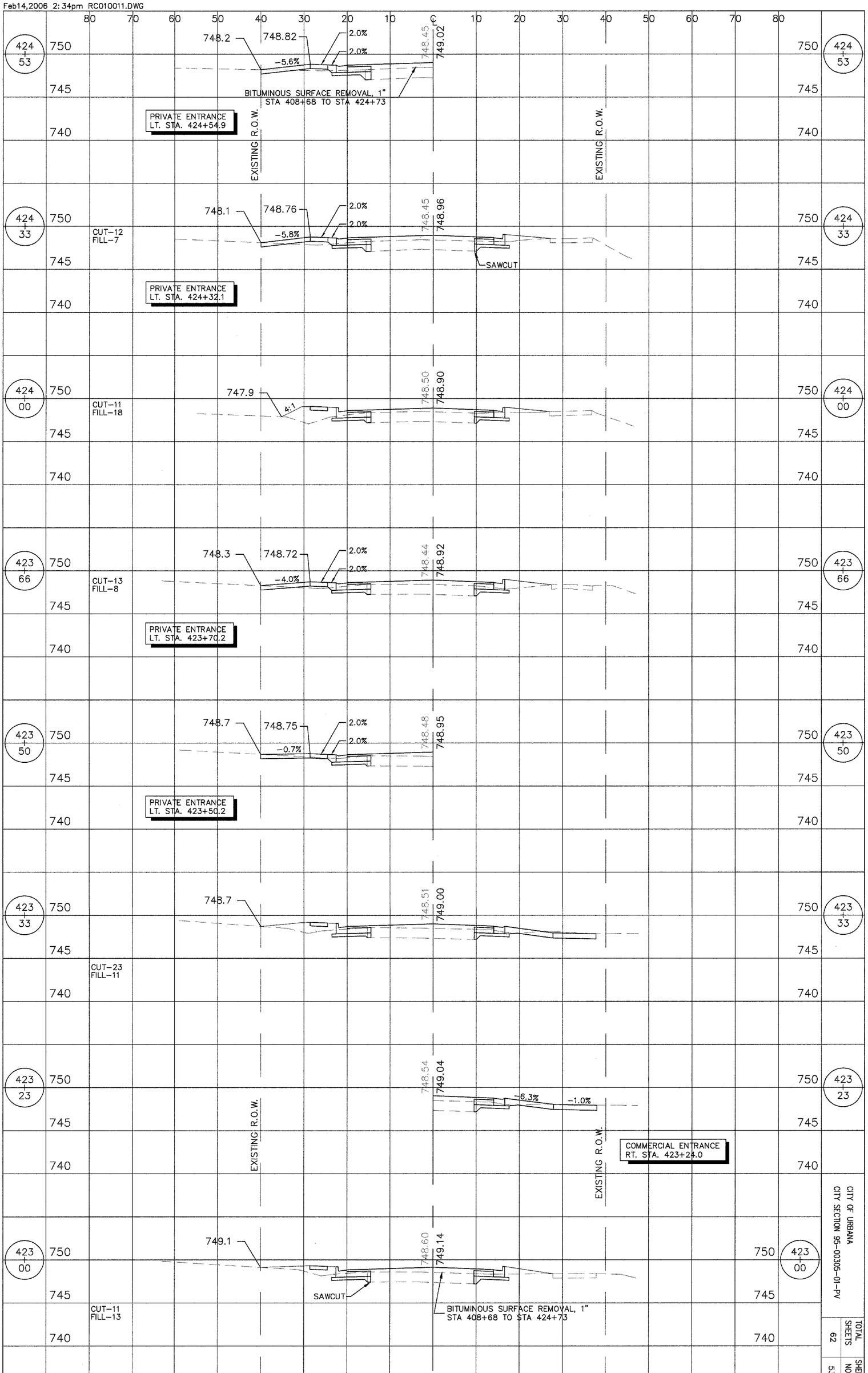
TOTAL SHEETS	SHEET NO.
62	52

Contract No. 9

Feb14,2006 2:34pm RC010011.DWG

FEBRUARY 2006

PHILO ROAD - CROSS SECTIONS



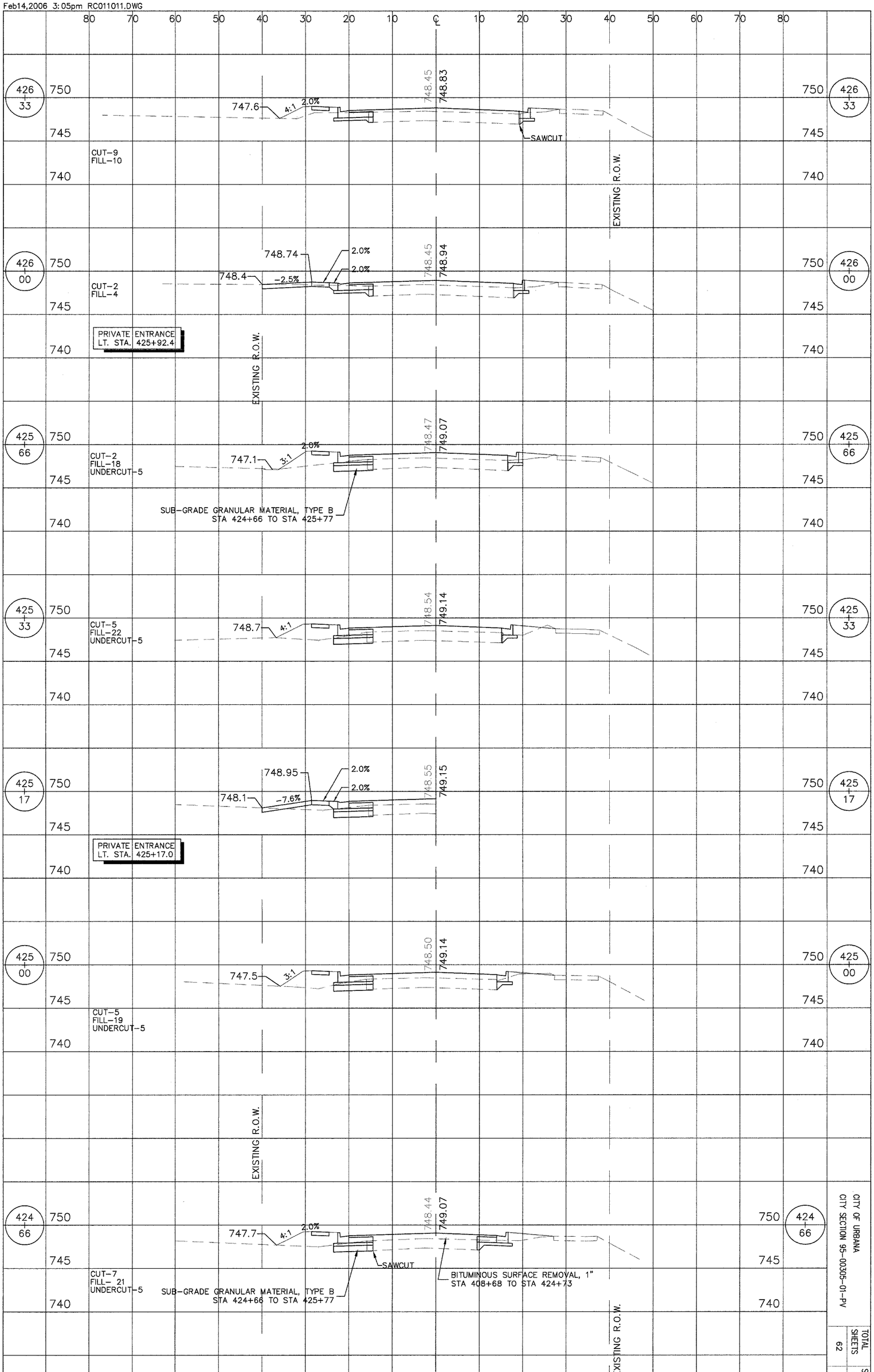
CITY OF URBANA
CITY SECTION 95-00305-01-PV

TOTAL SHEETS	SHEET NO.
62	53

Contract No. 913

Feb14,2006 3:05pm RC011011.DWG

FEBRUARY 2006



PHILO ROAD - CROSS SECTIONS

CITY OF URBANA
CITY SECTION 95-00305-01-PV

TOTAL SHEETS	SHEET NO.
62	54

Contract No. 9

CITY OF URBANA CITY SECTION 95-00305-01-PV	TOTAL SHEETS	SHEET NO.
	62	55

428+93 | 428+66 | 428+33 | 428+00 | 427+66 | 427+33 | 427+00 | 426+66

750 745 740

80 70 60 50 40 30 20 10

EXISTING R.O.W.

SAWCUT

748.95 748.45 749.04 748.51 749.11 748.56 749.10 748.55 749.03 748.49 748.91 748.43 748.81 748.42 748.78 748.44

-2.7% -1.1% 2.0% 2.0% 2.0% 2.0% -6.5% 2.0%

748.6 747.6 747.7 747.5 748.61 747.9 747.8

PRIVATE ENTRANCE LT. STA. 428+93.0

COMMERCIAL ENTRANCE LT. STA. 428+51.0

SUB-GRADE GRANULAR MATERIAL, TYPE B STA 427+08 TO STA 428+33

SUB-GRADE GRANULAR MATERIAL, TYPE B STA 427+08 TO STA 428+33

PRIVATE ENTRANCE LT. STA. 426+95.7

CUT-11 FILL-1

CUT-7 FILL-3 UNDERCUT-6

CUT-6 FILL-19 UNDERCUT-6

CUT-6 FILL-18 UNDERCUT-6

CUT-6 FILL-17 UNDERCUT- 6

CUT-11 FILL-2

CUT-8 FILL-12

Feb14,2006 3:07pm RC012011.DWG

CITY OF URBANA CITY SECTION 95-00305-01-PV	TOTAL SHEETS	SHEET NO.
	62	56

431+33 | 431+00 | 430+66 | 430+33 | 430+00 | 429+66 | 429+33 | 429+00

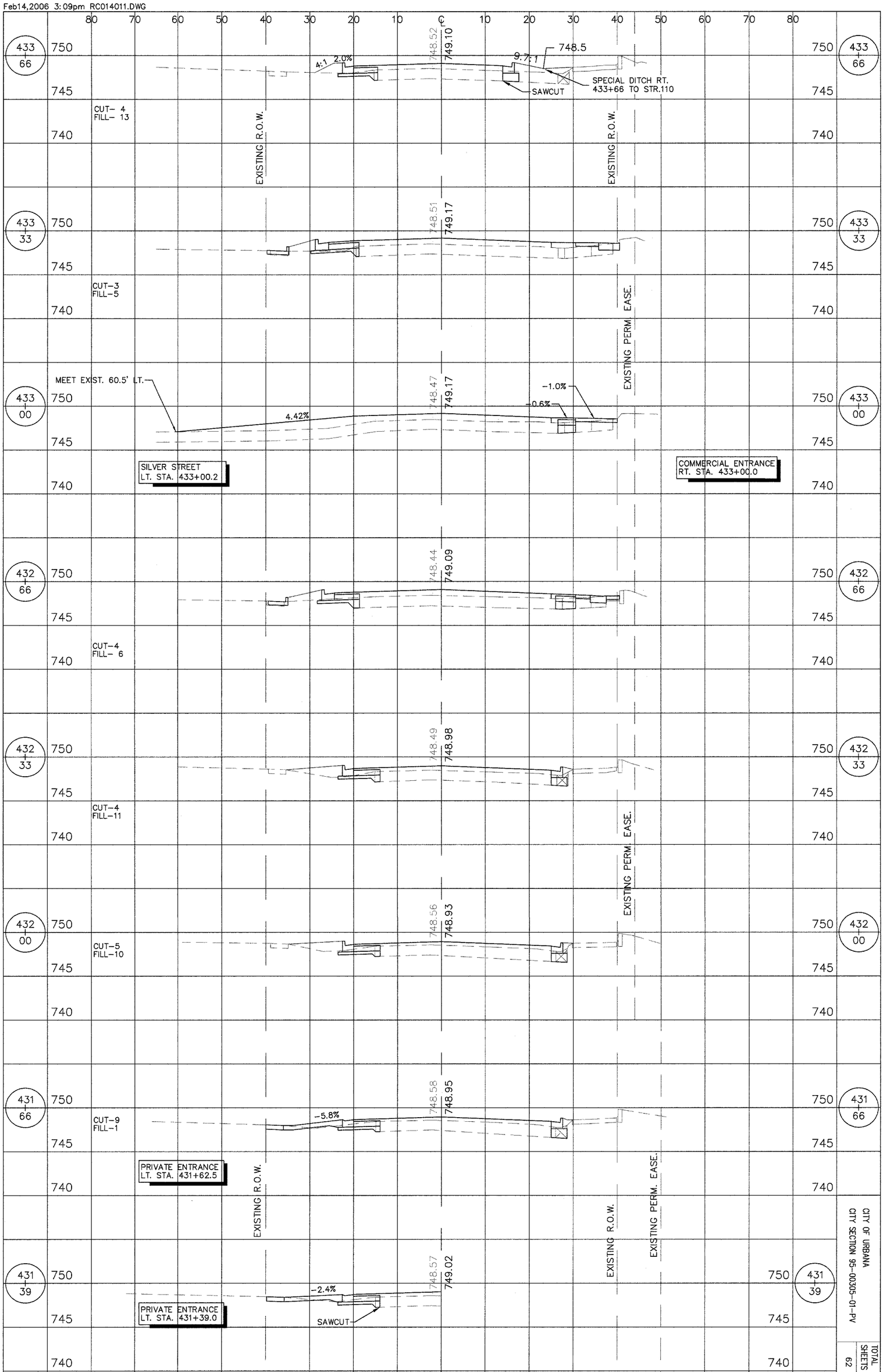
EXISTING PERM. EASE.
EXISTING R.O.W.
SAWCUT
MUMFORD DRIVE RT. STA. 430+10.4
MEET EXIST. 41' RT.
2.47%
EXIST. 15" STORM SEWER, TYP.
EXISTING R.O.W.

748.56 749.04 | 748.57 749.10 | 748.52 749.10 | 748.48 749.03 | 748.48 748.92 | 748.51 748.85 | 748.47 748.86 | 748.45 748.93

-2.4%
EXISTING R.O.W.
PRIVATE ENTRANCE LT. STA. 431+39.0
CUT-8 FILL-1
CUT-5 FILL-11
CUT-6 FILL-9
CUT-6 FILL -2
MUMFORD DRIVE LT. STA. 430+13
MEET EXIST. 55.3' LT.
-3.38%
6.1:1
CUT-7 FILL-4
-0.6%
EXISTING R.O.W.
PRIVATE ENTRANCE LT. STA. 429+27.0
CUT-14 FILL-1
CUT-13 FILL-0
-2.9%
SAWCUT
PRIVATE ENTRANCE LT. STA. 428+93.0

750 745 740 | 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80

Feb14,2006 3:09pm RC014011.DWG



FEBRUARY 2006

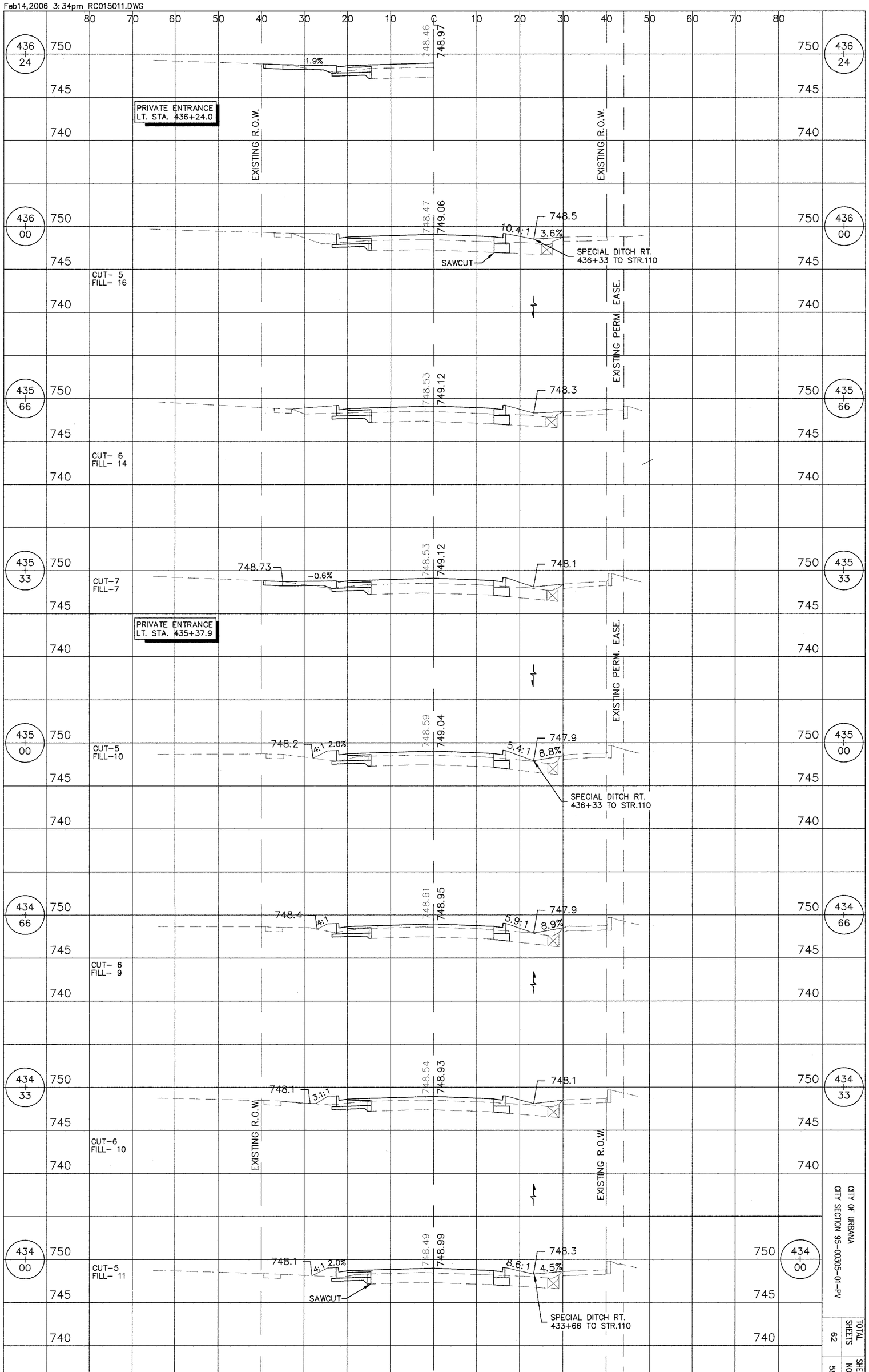
PHILO ROAD – CROSS SECTIONS

CITY OF URBANA
CITY SECTION 95-00305-01-PV

TOTAL SHEETS	SHEET NO.
62	57

Contract No. 9

Feb14,2006 3:34pm RC015011.DWG



FEBRUARY 2006

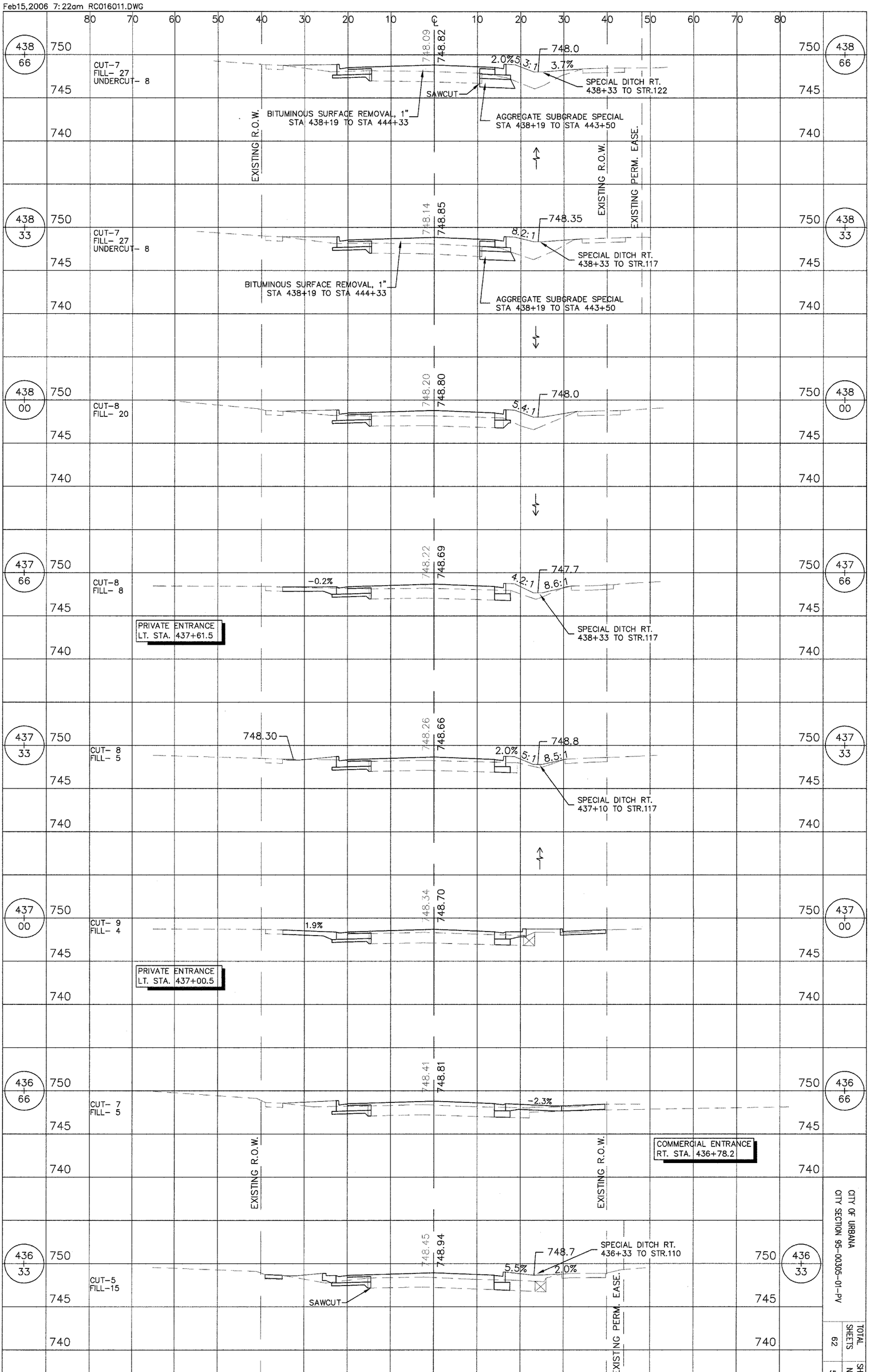
PHILO ROAD - CROSS SECTIONS

CITY OF URBANA
CITY SECTION 95-00305-01-PV

TOTAL SHEETS	SHEET NO.
62	58

Contract No. 91

Feb15,2006 7:22am RC016011.DWG



FEBRUARY 2006

PHILO ROAD – CROSS SECTIONS

CITY OF URBANA
CITY SECTION 95-00305-01-PV

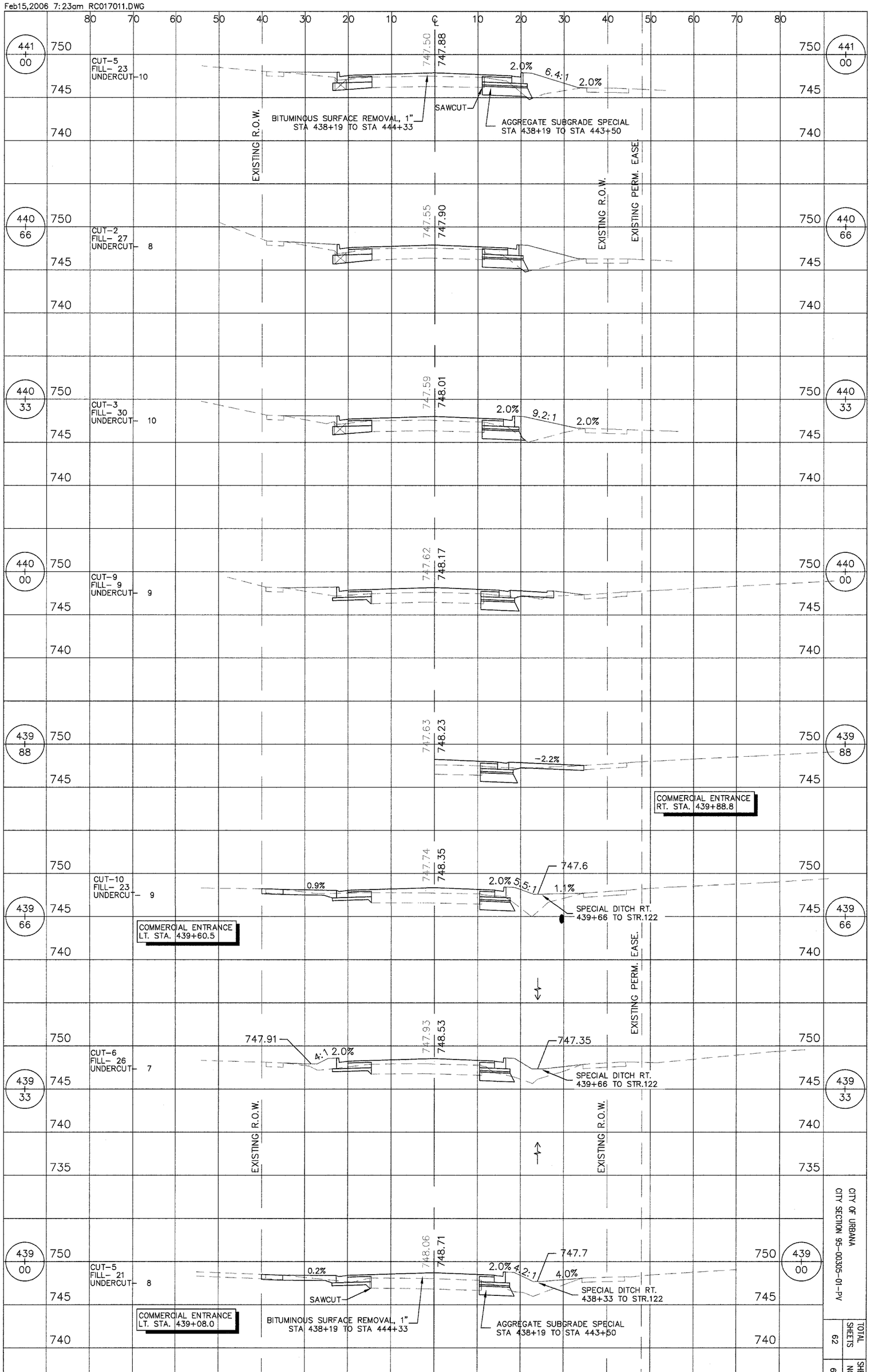
TOTAL SHEETS	SHEET NO.
62	59

Contract No. 9

Feb15,2006 7:23am RC017011.DWG

FEBRUARY 2006

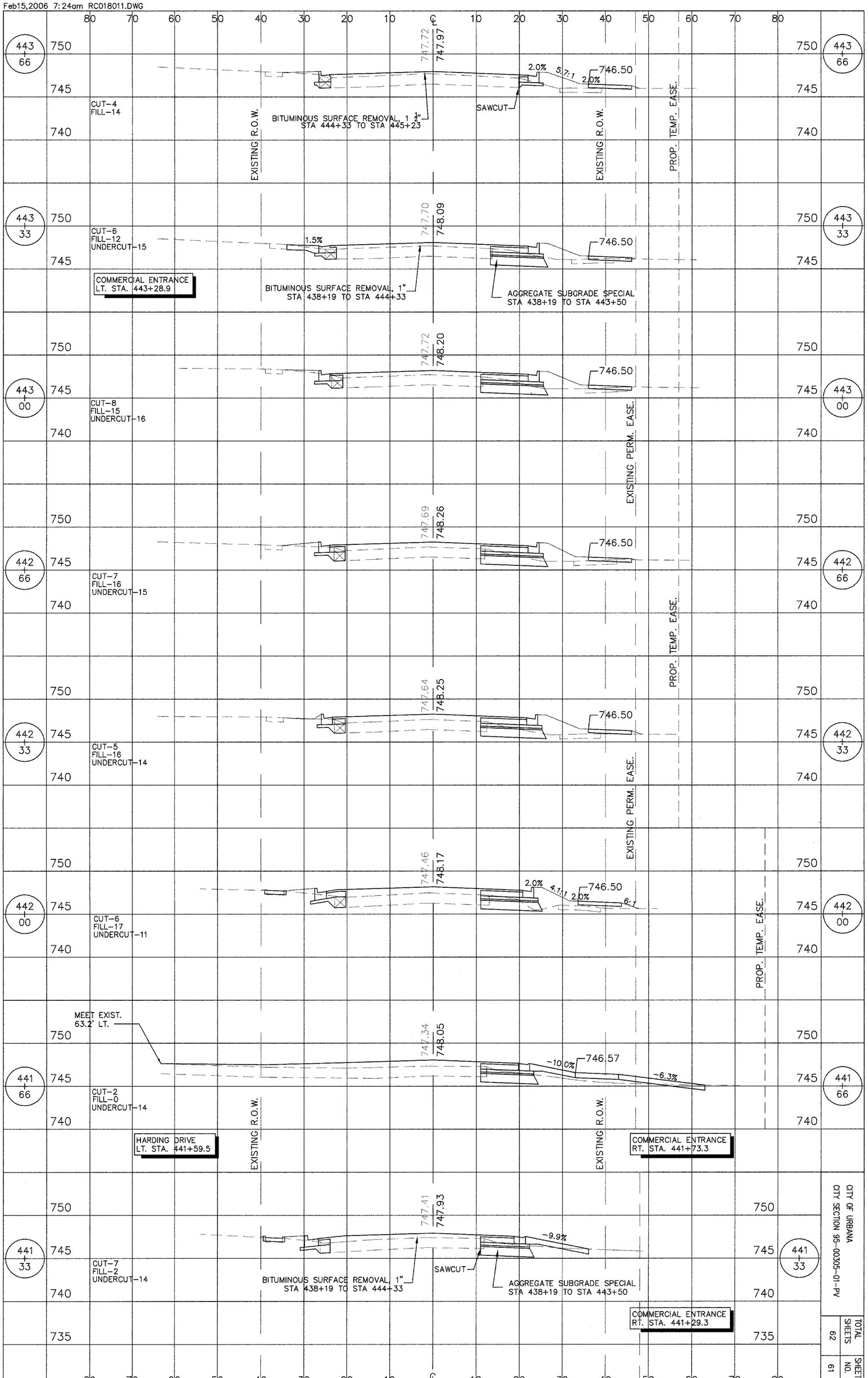
PHILO ROAD – CROSS SECTIONS



CITY OF URBANA
CITY SECTION 95-00305-01-PV

TOTAL SHEETS	SHEET NO.
62	60

Contract No. 1



CITY OF URBANA
CITY SECTION 95-00305-01-PV

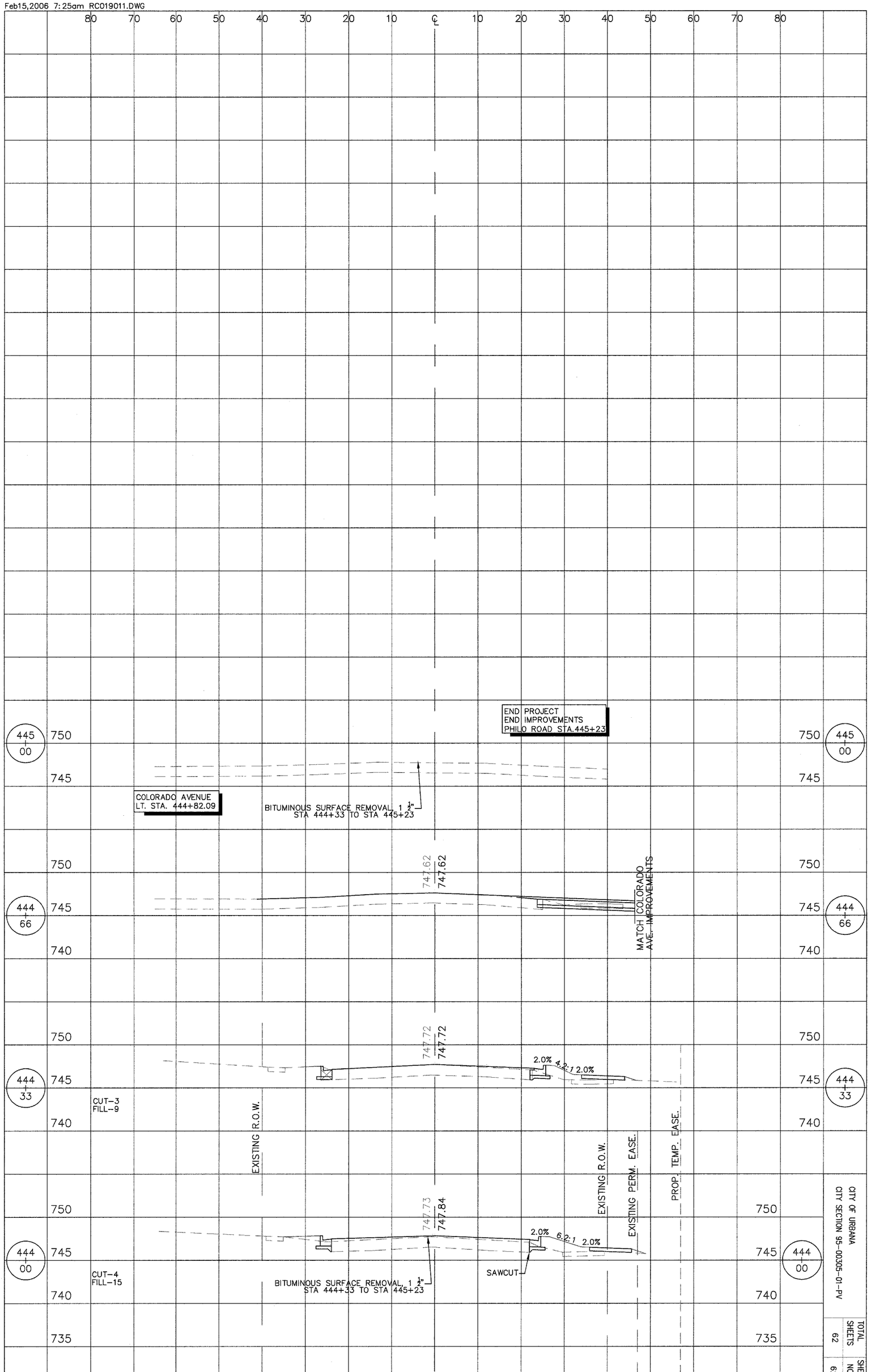
TOTAL SHEETS	SHEET NO.
62	61

Contract NO. 91

Feb15,2006 7:25am RC019011.DWG

FEBRUARY 2006

PHILO ROAD - CROSS SECTIONS



CITY OF URBANA
CITY SECTION 95-00305-01-PV

TOTAL SHEETS	SHEET NO.
62	62

Contract No.