04-25-14 LETTING ITEM 115

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00047-00-SW	DuPAGE	27	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 61A12		

27+3=30

STATE OF ILLINOIS
STATE OF ILLINOISDEPARTMENT OF
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

COMMERCE DRIVE
FROM McDONALDS DRIVE TO END ROW
SIDEWALK INSTALLATION AND STREET RESURFACING
SECTION NO. 13-00047-00-SW
PROJECT No. M-4003(260)
VILLAGE OF OAK BROOK
DuPAGE COUNTY
C-91-154-14

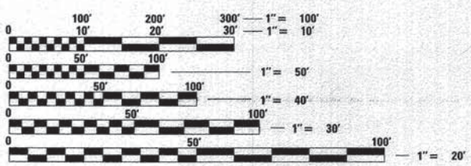
INDEX OF SHEETS

DESCRIPTION	SHEET NO.
COVER SHEET	1
TYPICAL SECTIONS AND GENERAL NOTES	2
SUMMARY OF QUANTITIES	3
EARTHWORK TABLE	4
ALIGNMENT, TIES, AND BENCHMARKS	5
REMOVAL PLAN	6 – 7
PLAN AND PROFILE	8 – 10
CONSTRUCTION DETAILS	11
CROSS SECTIONS	12 – 27

TRAFFIC DATA

COMMERCE DRIVE
ADT (YEAR) = 3,000 (2012)
SPEED LIMIT = 25 MPH

DESIGN DESIGNATION: LOCAL ROAD



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

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
8-1-1 OR 1-800-892-0123

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018 (847) 823-0500

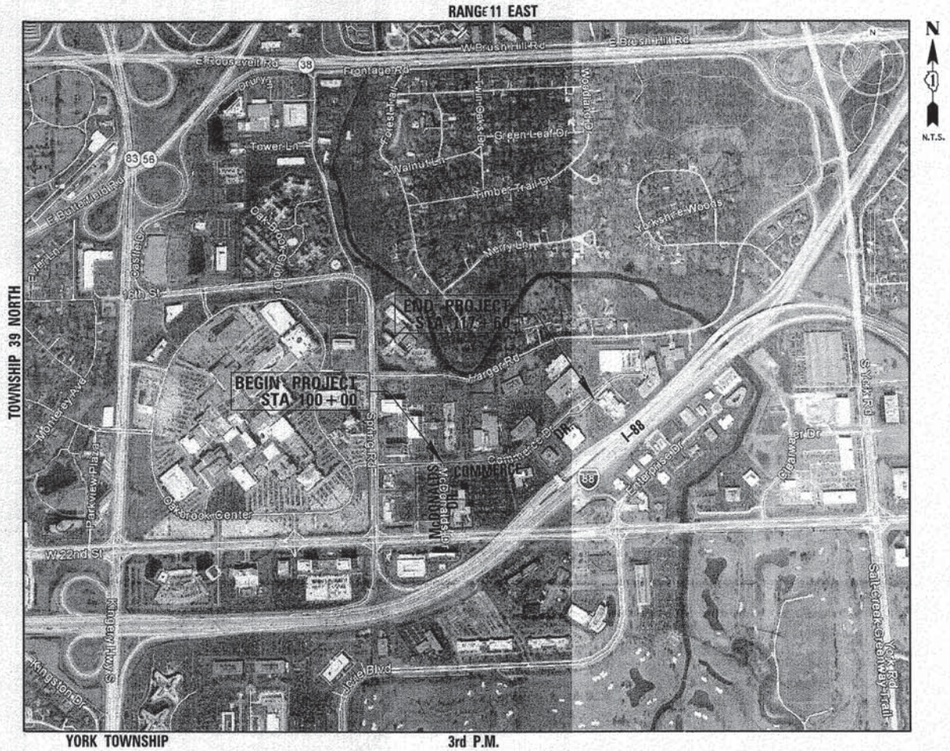
PROFESSIONAL DESIGN FIRM NO. 184-001175
EXPIRATION DATE: 04/30/15

PROJECT ENGINEER: JOHN LAPAGLIA, EI
PROJECT MANAGER: LEE M. FELL, PE, CPESC

CONTRACT NO. 61A12

RANGE 11 EAST

TOWNSHIP 39 NORTH



LOCATION MAP

COMMERCE DRIVE
GROSS LENGTH OF PROJECT = 1,760 LINEAL FEET (0.33 MILES)
NET LENGTH OF PROJECT = 1,760 LINEAL FEET (0.33 MILES)

LOCATION OF SECTION INDICATED THUS:-

PRINTED BY AUTHORITY OF THE STATE OF ILLINOIS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED January 31 2014
PUBLIC WORKS DIRECTOR, VILLAGE OF OAKBROOK

PASSED FEBRUARY 10 2014
C. J. HOLT
DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW February 10 2014
DEPUTY DIRECTOR OF HIGHWAYS, REGION ONE ENGINEER

LEE M. FELL 062-053708 LICENSED PROFESSIONAL ENGINEER ILLINOIS

ENGINEER 1/31/14 DATE

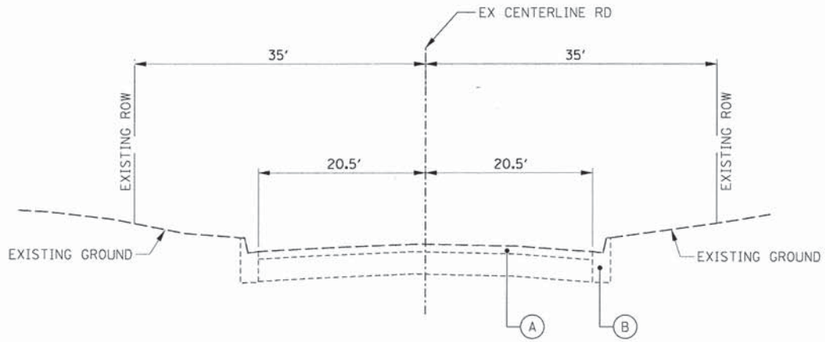
LEE M. FELL
ILLINOIS REGISTRATION No. 062-053708
EXPIRATION DATE: 11/30/2015

FEDERAL AID PROGRAM ENGINEER: FAWAD AQUEEL, P.E. (847) 705-4021, SCHAUMBURG, IL.

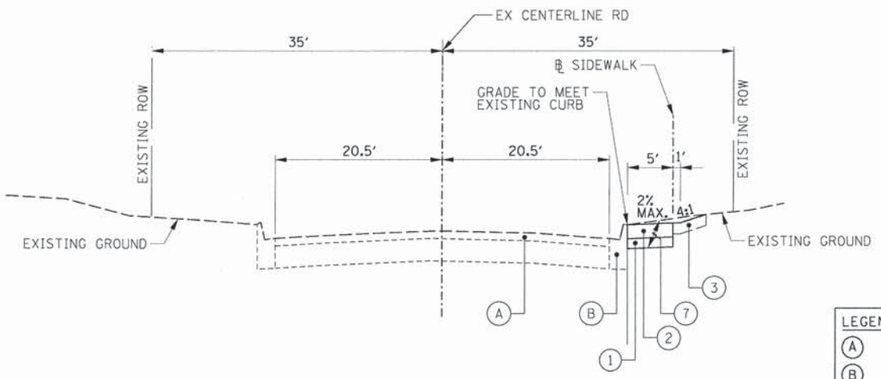
1/28/2014 pmagnelli

N:\OAKBROOK\130227\Civil\cvr_130227.SHT

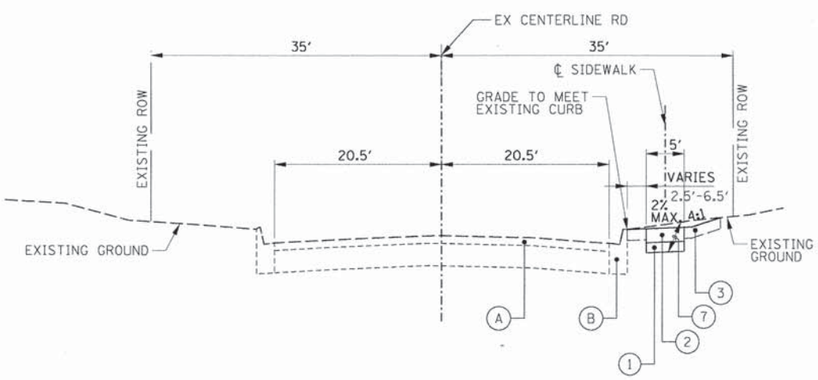
PROJECT SCOPE INCLUDES:
-NEW SIDEWALK STA. 100+00 TO STA. 117+60
-RETAINING WALL STA. 100+50 TO STA. 102+25, STA. 115+40 TO STA. 115+85
-RESURFACING STA. 108+18.50 TO STA. 117+55.50



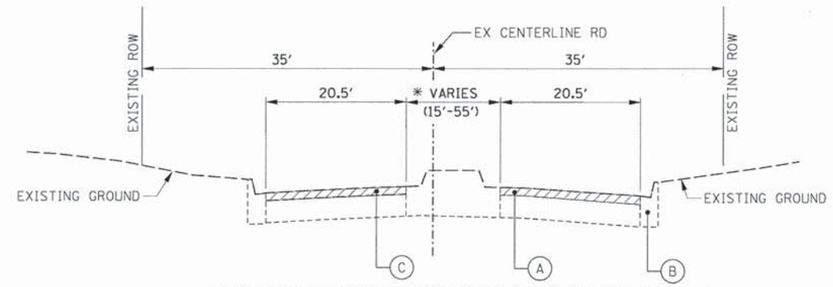
EXISTING TYPICAL SECTION
STA- 100+00 TO STA 106+50, COMMERCE DRIVE



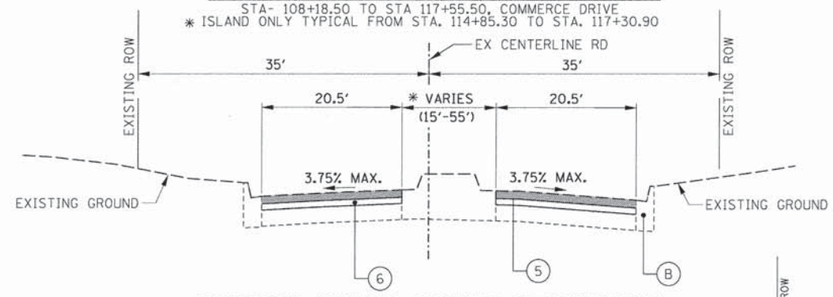
PROPOSED TYPICAL SECTION (SIDEWALK)
STA- 100+00 TO STA 106+50, COMMERCE DRIVE



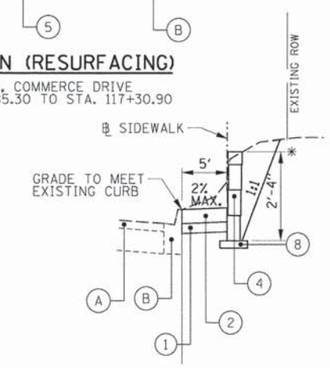
PROPOSED TYPICAL SECTION (SIDEWALK)
STA- 106+50 TO STA 118+06.50, COMMERCE DRIVE



EXISTING TYPICAL SECTION (RESURFACING)
STA- 108+18.50 TO STA 117+55.50, COMMERCE DRIVE
* ISLAND ONLY TYPICAL FROM STA. 114+85.30 TO STA. 117+30.90



PROPOSED TYPICAL SECTION (RESURFACING)
STA- 108+18.50 TO STA 117+55.50, COMMERCE DRIVE
* ISLAND ONLY TYPICAL FROM STA. 114+85.30 TO STA. 117+30.90



PROPOSED TYPICAL WALL SECTION
STA 100+60 TO STA 101+90 COMMERCE DRIVE
STA 115+40 TO STA 115+85 COMMERCE DRIVE
*MAX HEIGHT 2'-4"

GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE DETAILS IN THE PLANS, THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS, AND THE CURRENT EDITION OF THE FOLLOWING STATE OF ILLINOIS SPECIFICATIONS: "THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (REFERRED TO AS THE "STANDARD SPECIFICATION"), THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", THE "STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS", THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", THE "MANUAL OF TEST PROCEDURES FOR MATERIALS" AND THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS."
2. UTILITY LOCATIONS HAVE NOT ALL BEEN SHOWN ON THESE PLANS. THE CONTRACTOR SHALL HAVE THE RESPECTIVE UTILITY COMPANIES FIELD LOCATE ALL THEIR FACILITIES PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL ALSO VERIFY THE DEPTHS OF THE EXISTING UTILITIES IF NECESSARY. ANY RELOCATION OR LOWERING OF UTILITIES SHALL BE COORDINATED BY THE CONTRACTOR.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE ENGINEER.
4. THE CONTRACTOR SHALL NOTIFY THE VILLAGE PUBLIC WORKS AT LEAST 48 HOURS IN ADVANCE OF BEGINNING WORK TO OBTAIN VILLAGE UTILITY LOCATIONS AND SHALL COORDINATE ALL CONSTRUCTION OPERATIONS WITH THE ENGINEER.
5. MATERIALS RESULTING FROM THE REMOVAL OF PAVEMENT, DRIVEWAYS, CURB AND GUTTER, HOT-MIX ASPHALT SURFACES, ETC. SHALL BE REMOVED AT THE END OF EACH DAY TO AN APPROVED SITE. IF IN THE JUDGEMENT OF THE ENGINEER, IT SHOULD BE NECESSARY TO REMOVE SUCH MATERIALS, THE ENGINEER WILL HAVE THE MATERIAL REMOVED AND THE CONTRACTOR WILL BE BILLED (CHARGED) ACCORDINGLY.
6. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY BUSINESSES AND THE ENGINEER WHEN ACCESS TO THEIR DRIVEWAYS WILL BE TEMPORARILY CLOSED DUE TO CURB AND GUTTER AND/OR DRIVEWAY/SIDEWALK REPLACEMENT. THE CONTRACTOR SHALL DISTRIBUTE NOTICES PROVIDED BY THE VILLAGE. EVERY EFFORT SHALL BE MADE TO ACCOMMODATE ACCESS TO THESE PROPERTIES.
7. IN ADDITION TO THE REQUIREMENTS OF ARTICLE 107.18 OF THE STANDARD SPECIFICATIONS, CONSTRUCTION WATER MUST BE OBTAINED FROM A TANK TRUCK AND NOT FROM MUNICIPAL FIRE HYDRANTS. ARRANGEMENTS FOR FILLING A TANK TRUCK SHALL BE MADE WITH THE VILLAGE OF OAK BROOK PUBLIC WORKS DEPARTMENT, 3003 JORIE BOULEVARD, OAK BROOK, ILLINOIS.

LEGEND

- (A) EXISTING ASPHALT PAVEMENT (3"-6")
- (B) EXISTING COMBINATION CURB AND GUTTER; TYPE B-6.12
- (C) HOT-MIX ASPHALT SURFACE REMOVAL, 3"
- (1) SUBBASE GRANULAR MATERIAL, TYPE B
- (2) PCC SIDEWALK 5 INCH
- (3) TOPSOIL, FURNISH AND PLACE, 4" SODDING, SPECIAL
- (4) RETAINING WALL 6"Hx18"Lx12"D
- (5) HOT-MIX ASPHALT SURFACE COURSE, N70, 2"
- (6) LEVELING BINDER, N70, 1"
- (7) EARTH EXCAVATION
- (8) CA-6 STONE BASE, 6"

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE ITEM	AIR VOIDS @ Ndes	QUALITY MANAGEMENT PROGRAM (QMP)
PAVEMENT RESURFACING		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5mm), 2", SPECIAL	4% @ 50 GYR	QC/QA
LEVELING BINDER (MACHINE METHOD), N70 (IL 9.5mm), 1", SPECIAL	4% @ 50 GYR	QC/QA
PATCHING		
CLASS D PATCHING, 9" (IN 2 LIFTS)	4% @ 50 GYR	QC/QA
DRIVEWAYS		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm), 4", SPECIAL (IN 2 LIFTS)	4% @ 50 GYR	QC/QA

NOTES:
THE UNIT WEIGHT USED TO CALCULATE ALL HMA MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.

FOR HMA FULL DEPTH "AC TYPE" SEE SPECIAL PROVISIONS.

FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS

QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.

IDOT STANDARDS

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS	000001-06
PERPENDICULAR CURB RAMPS FOR SIDEWALKS	424001-07
CORNER PARALLEL CURB RAMPS	424011-01
ENTRANCE ALLEY PEDESTRIAN CROSSINGS	424026-01
CLASS D PATCHES	442201-03
FRAME AND LIDS, TYPE 1	604001-03
GRATE, TYPE 8	604036-02
CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER	606001-05
LANE CLOSURE, 2L, 2W-SHORT TIME OPERATION	701301-04
URBAN LANE CLOSURE, 2L, 2W-UNDIVIDED	701501-06
URBAN LANE CLOSURE MULTILANE, 1W, 2W NONTRAVERSABLE MEDIAN	701601-09
SIDEWALK CORNER OR CROSSWALK CLOSURE	701801-05
TRAFFIC CONTROL DEVICES	701901-03
CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT	BD-24
TRAFFIC CONTROL AND PROTECTION FOR SIDESTREETS, INTERSECTIONS AND DRIVEWAYS	TC-10
DISTRICT I TYPICAL PAVEMENT MARKINGS	TC-13

PLAN: SURVEYED / PLOTTED / ALIGNMENT CHECKED / R.O.W. CHECKED / CADD FILE NAME / NOTE BOOK NO. / DATE / BY

PROFILE: SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTATNS CHKD / NOTE BOOK NO. / DATE / BY

SUMMARY OF QUANTITIES

	CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	SIDEWALK QUANTITY 0021	NON-PARTICIPATING QUANTITY 0005
	20101100	TREE TRUNK PROTECTION	EACH	15	15	0
	20101200	TREE ROOT PRUNING	EACH	15	15	0
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	75	0	75
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	1,000	1,000	0
	28000510	INLET FILTERS	EACH	25	6	19
	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	75	0	75
	35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	100	100	0
	40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	10	10	0
	40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	300	0	300
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	75	0	75
	40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	20	20	0
	40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	675	0	675
	42400800	DETECTABLE WARNINGS	SQ FT	200	200	0
	44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	5,100	0	5,100
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	100	100	0
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	420	150	270
	44000600	SIDEWALK REMOVAL	SQ FT	300	300	0
	44201749	CLASS D PATCHES, TYPE I, 9 INCH	SQ YD	250	0	250
	44201753	CLASS D PATCHES, TYPE II, 9 INCH	SQ YD	250	0	250
	44201757	CLASS D PATCHES, TYPE III, 9 INCH	SQ YD	250	0	250
	44201759	CLASS D PATCHES, TYPE IV, 9 INCH	SQ YD	250	0	250
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	420	150	270
	67100100	MOBILIZATION	L SUM	1	1	0
	70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1	0
	70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1	0
	70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1	0
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	1,530	0	1,530
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	160	160	0
	X0326862	STRUCTURES TO BE ADJUSTED	EACH	5	2	3
	X2520700	SODDING, SPECIAL	SQ YD	1,000	1,000	0
	X40600120	NON-TRACKING BITUMINOUS MATERIALS (PRIME COAT)	POUNDS	3,685	70	3,615
	X4240430	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL	SQ FT	9,000	9,000	0
	X6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	7	7	0
	XX001244	RETAINING WALL	FOOT	315	315	0
	Z0018600	DRAINAGE STRUCTURES TO BE RECONSTRUCTED	EACH	2	0	2
	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	25.7	25.7	0

* INDICATES SPECIALTY ITEM

PLAN | SURVEYED | PLOTTED | ALIGNMENT CHECKED | RT. OF WAY CHECKED | CADD FILE NAME | NOTE BOOK NO. | BY | DATE

PROFILE | SURVEYED | PLOTTED | GRADES CHECKED | B.M. NOTED | STRUCTURE NOTATNS CHKD | NOTE BOOK NO. | BY | DATE

EARTHWORK TABLE
(WORK SHALL BE INCLUDED IN THE COST OF PCC SIDEWALK 5 INCH, SPECIAL)

		CUT VOLUME			FILL VOLUME		
STA.	DIST. (FT)	AREA (SF)	AVE. AREA (SF)	VOLUME (CY)	AREA (SF)	AVE. AREA (SF)	VOLUME (CY)
100+06		14.70			0.00		
	19		11.55	8.13		0.00	0.00
100+25		8.40			0.00		
	25		8.90	8.24		0.00	0.00
100+50		9.40			0.00		
	25		9.60	8.89		0.00	0.00
100+75		9.80			0.00		
	25		9.70	8.98		0.00	0.00
101+00		9.60			0.00		
	25		9.80	9.07		0.00	0.00
101+25		10.00			0.00		
	25		9.95	9.21		0.00	0.00
101+50		9.90			0.00		
	25		9.60	8.89		0.00	0.00
101+75		9.30			0.00		
	25		9.25	8.56		0.00	0.00
102+00		9.20			0.00		
	25		9.55	8.84		0.00	0.00
102+25		9.90			0.00		
	25		8.90	8.24		0.00	0.00
102+50		7.90			0.00		
	25		6.80	6.30		0.00	0.00
102+75		5.70			0.00		
	50		5.15	9.54		0.00	0.00
103+25		4.60			0.00		
	25		4.65	4.31		0.00	0.00
103+50		4.70			0.00		
	25		4.85	4.49		0.00	0.00
103+75		5.00			0.00		
	25		4.95	4.58		0.00	0.00
104+00		4.90			0.00		
	25		4.85	4.49		0.00	0.00
104+25		4.80			0.00		
	25		4.50	4.17		0.00	0.00
104+50		4.20			0.00		
	25		4.10	3.80		0.00	0.00
104+75		4.00			0.00		
	25		4.05	3.75		0.00	0.00
105+00		4.10			0.00		
	25		4.15	3.84		0.00	0.00
105+25		4.20			0.00		
	25		4.10	3.80		0.00	0.00
105+50		4.00			0.00		
	25		4.25	3.94		0.00	0.00
105+75		4.50			0.00		
	25		4.45	4.12		0.00	0.00
106+00		4.40			0.00		
	25		4.45	4.12		0.00	0.00
106+25		4.50			0.00		
	25		4.60	4.26		0.00	0.00
106+50		4.70			0.00		
	50		5.25	9.72		0.00	0.00
107+00		5.80			0.00		
	25		6.00	5.56		0.00	0.00
107+25		6.20			0.00		
	25		5.55	5.14		0.00	0.00
107+50		4.90			0.00		
	25		5.10	4.72		0.00	0.00
107+75		5.30			0.00		
	25		5.20	4.81		0.00	0.00
108+00		5.10			0.00		
	25		5.55	5.14		0.00	0.00
108+25		6.00			0.00		
	25		5.45	5.05		0.00	0.00
108+50		4.90			0.00		
	50		5.20	9.63		0.00	0.00
109+00		5.50			0.00		
	25		4.75	4.40		0.00	0.00
109+25		4.00			0.00		
	50		4.00	7.41		0.00	0.00
109+75		4.00			0.00		
	25		4.45	4.12		0.00	0.00
110+00		4.90			0.00		
	25		5.30	4.91		0.00	0.00
110+25		5.70			0.00		
	25		5.60	5.19		0.00	0.00
110+50		5.50			0.00		
	25		5.15	4.77		0.00	0.00
110+75		4.80			0.00		
	25		4.90	4.54		0.00	0.00
111+00		5.00			0.00		
	25		5.10	4.72		0.00	0.00
111+25		5.20			0.00		
	25		5.05	4.68		0.00	0.00
111+50		4.90			0.00		
	25		5.15	4.77		0.00	0.00
111+75		5.40			0.00		
	50		5.05	9.35		0.00	0.00
112+25		4.70			0.00		
	25		6.50	6.02		0.00	0.00
112+50		8.30			0.00		
	10.82		8.45	3.39		0.00	0.00
112+60.82		8.60			0.00		
	14.18		8.60	4.52		0.00	0.00
112+75		8.60			0.00		
	25		6.25	5.79		0.20	0.19
113+00		3.90			0.40		
	25		2.80	2.59		0.30	0.28
113+25		1.70			0.20		
	25		2.95	2.73		0.10	0.09
113+50		4.20			0.00		
	25		3.80	3.52		0.00	0.00
113+75		3.40			0.00		
	25		3.20	2.96		0.25	0.23
114+00		3.00			0.50		
	25		3.35	3.10		0.25	0.23
114+25		3.70			0.00		
	25		4.65	4.31		0.00	0.00
114+50		5.60			0.00		
	25		4.45	4.12		0.05	0.05
114+75		3.30			0.10		
	25		3.70	3.43		0.10	0.09
115+00		4.10			0.10		
	25		3.60	3.33		0.15	0.14
115+25		3.10			0.20		
	25		5.85	5.42		0.10	0.09
115+50		8.60			0.00		
	25		8.75	8.10		0.00	0.00
115+75		8.90			0.00		
	25		6.75	6.25		0.00	0.00
116+00		4.60			0.00		
	25		6.60	6.11		0.00	0.00
116+25		8.60			0.00		
	3.17		9.15	1.07		0.00	0.00
116+28.17		9.70			0.00		
	21.83		7.95	6.43		0.00	0.00
116+50		6.20			0.00		
	25		6.55	6.06		0.00	0.00
116+75		6.90			0.00		
	25		6.75	6.25		0.00	0.00
117+00		6.60			0.00		
	25		10.65	9.86		0.00	0.00
117+25		14.70			0.00		
	25		15.10	13.98		0.00	0.00
117+50		15.50			0.00		
			TOTAL =	384.50		TOTAL =	1.39

PLAN — NOTE BOOK NO. ____ — SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT OF WAY PLOTTED / CADD FILE NAME ____ — BY — DATE

PROFILE — NOTE BOOK NO. ____ — SURVEYED / PLOTTED / GRADES CHECKED / BLANK NOTES / STRUCTURE NOTAT'NS CH'KD — BY — DATE

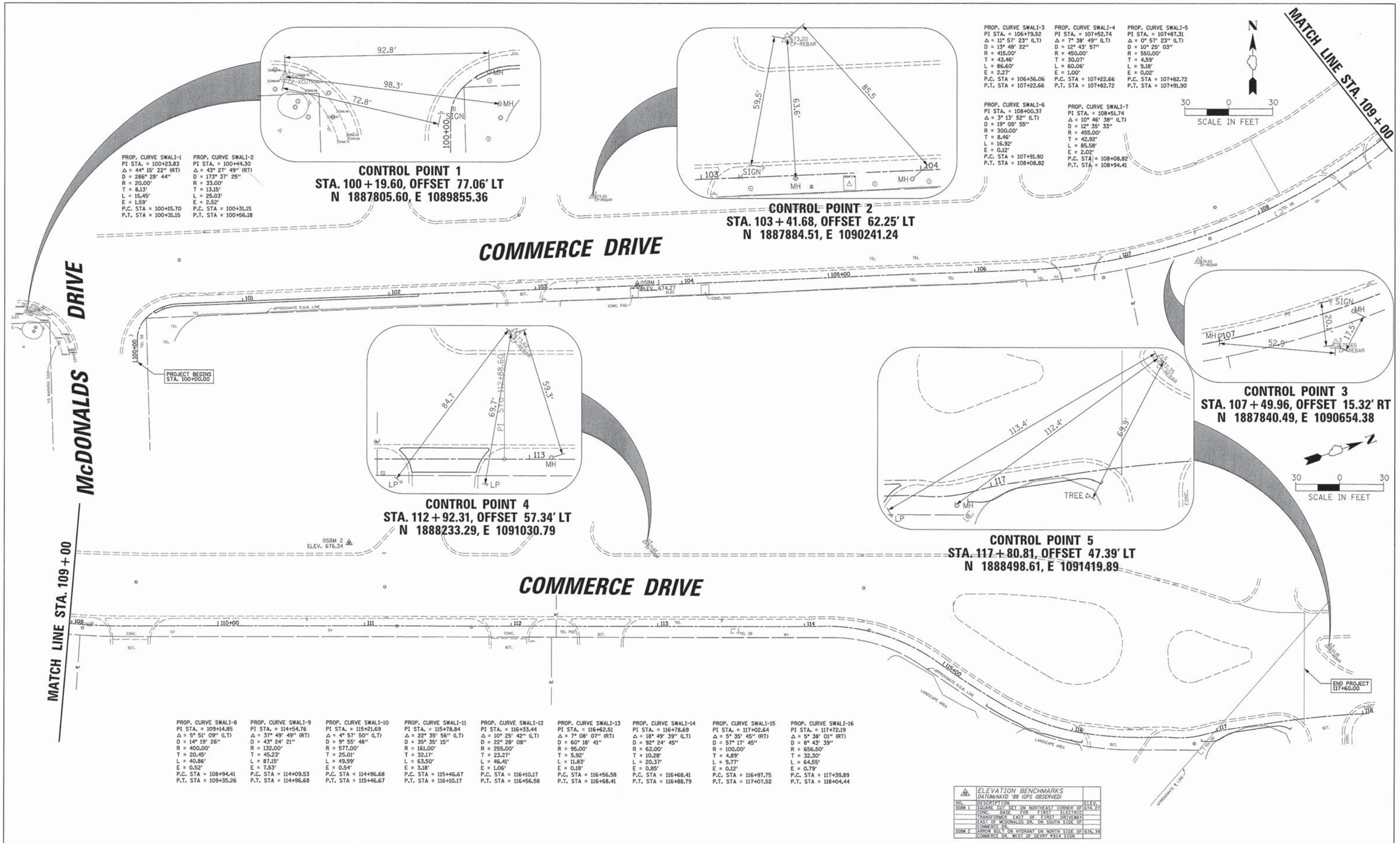
FILE NAME = N:\OAKBROOK\130227\Civil\ear1_120208.SHT	USER NAME = pmagnelli	DESIGNED - OG	REVISED -
		DRAWN - PMM	REVISED -
	PLOT SCALE = NOT TO SCALE	CHECKED - LMF	REVISED -
	PLOT DATE = 1/31/2014	DATE - 1/31/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

COMMERCE DRIVE SIDEWALK
EARTHWORK TABLE

SCALE: NOT TO SCALE | SHEET NO. 4 OF 27 SHEETS

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00047-00-SW	DuPAGE	27	4
		CONTRACT NO. 61A12		
	ILLINOIS FED. AID PROJECT			



PROP. CURVE SWALI-1
PI STA. = 100+23.83
Δ = 44° 15' 22" (RT)
D = 286° 28' 44"
R = 20.00'
T = 8.13'
L = 15.45'
E = 1.59'
P.C. STA = 100+15.70
P.T. STA = 100+31.15

PROP. CURVE SWALI-2
PI STA. = 100+44.30
Δ = 43° 27' 49" (RT)
D = 173° 37' 25"
R = 33.00'
T = 13.15'
L = 25.03'
E = 2.52'
P.C. STA = 100+31.15
P.T. STA = 100+56.18

PROP. CURVE SWALI-3
PI STA. = 106+79.52
Δ = 11° 57' 23" (LT)
D = 13° 48' 22"
R = 415.00'
T = 43.46'
L = 86.60'
E = 2.27'
P.C. STA = 106+36.06
P.T. STA = 107+22.66

PROP. CURVE SWALI-4
PI STA. = 107+52.74
Δ = 7° 38' 49" (LT)
D = 12° 43' 57"
R = 450.00'
T = 30.07'
L = 60.06'
E = 1.00'
P.C. STA = 107+22.66
P.T. STA = 107+82.72

PROP. CURVE SWALI-5
PI STA. = 107+87.31
Δ = 0° 57' 23" (LT)
D = 10° 25' 03"
R = 550.00'
T = 4.59'
L = 9.18'
E = 0.02'
P.C. STA = 107+82.72
P.T. STA = 107+91.90

PROP. CURVE SWALI-6
PI STA. = 108+00.37
Δ = 3° 13' 52" (LT)
D = 19° 05' 55"
R = 300.00'
T = 8.46'
L = 16.92'
E = 0.12'
P.C. STA = 107+91.90
P.T. STA = 108+08.82

PROP. CURVE SWALI-7
PI STA. = 108+51.74
Δ = 10° 46' 38" (LT)
D = 12° 35' 33"
R = 455.00'
T = 42.92'
L = 85.58'
E = 2.02'
P.C. STA = 108+08.82
P.T. STA = 108+94.41

PROP. CURVE SWALI-8
PI STA. = 109+14.85
Δ = 5° 51' 09" (LT)
D = 14° 19' 26"
R = 400.00'
T = 20.45'
L = 40.86'
E = 0.52'
P.C. STA = 108+94.41
P.T. STA = 109+35.26

PROP. CURVE SWALI-9
PI STA. = 114+54.76
Δ = 37° 49' 49" (RT)
D = 43° 24' 21"
R = 132.00'
T = 45.23'
L = 87.15'
E = 7.53'
P.C. STA = 114+09.53
P.T. STA = 114+96.68

PROP. CURVE SWALI-10
PI STA. = 115+21.69
Δ = 4° 57' 50" (LT)
D = 9° 55' 48"
R = 577.00'
T = 25.01'
L = 49.99'
E = 0.54'
P.C. STA = 114+96.68
P.T. STA = 115+46.67

PROP. CURVE SWALI-11
PI STA. = 115+78.84
Δ = 22° 35' 56" (LT)
D = 35° 35' 15"
R = 161.00'
T = 32.17'
L = 63.50'
E = 3.18'
P.C. STA = 115+46.67
P.T. STA = 116+10.17

PROP. CURVE SWALI-12
PI STA. = 116+33.44
Δ = 10° 25' 42" (LT)
D = 22° 28' 08"
R = 255.00'
T = 23.27'
L = 46.41'
E = 1.06'
P.C. STA = 116+10.17
P.T. STA = 116+56.58

PROP. CURVE SWALI-13
PI STA. = 116+62.51
Δ = 7° 08' 07" (RT)
D = 60° 18' 41"
R = 95.00'
T = 5.92'
L = 11.83'
E = 0.18'
P.C. STA = 116+56.58
P.T. STA = 116+68.41

PROP. CURVE SWALI-14
PI STA. = 116+78.69
Δ = 18° 49' 39" (LT)
D = 92° 24' 45"
R = 62.00'
T = 10.28'
L = 20.37'
E = 0.85'
P.C. STA = 116+68.41
P.T. STA = 116+88.79

PROP. CURVE SWALI-15
PI STA. = 117+02.64
Δ = 5° 35' 45" (RT)
D = 57° 17' 45"
R = 100.00'
T = 4.89'
L = 9.77'
E = 0.12'
P.C. STA = 116+97.75
P.T. STA = 117+07.52

PROP. CURVE SWALI-16
PI STA. = 117+72.19
Δ = 5° 38' 01" (RT)
D = 8° 43' 39"
R = 656.50'
T = 32.30'
L = 64.55'
E = 0.79'
P.C. STA = 117+39.89
P.T. STA = 118+04.44

ELEVATION BENCHMARKS
DATUM: NAVD '88 (GPS OBSERVED)

NO.	DESCRIPTION	ELEV.
OSBM 1	SQUARE CUT SET ON NORTHEAST CORNER OF CONC. BASE FOR FIRST ELECTRIC TRANSFORMER EAST OF FIRST DRIVEWAY EAST OF MCDONALDS DR. ON SOUTH SIDE OF COMMERCE DR.	674.27
OSBM 2	ARROW BOLT ON HYDRANT ON NORTH SIDE OF COMMERCE DR. WEST OF DEVRY #814 SIGN	676.34

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY PLOTTED / CADD FILE NAME ____ — NOTE BOOK NO. ____ — BY — DATE

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / RT. OF WAY PLOTTED / STRUCTURE NOTATIONS CHKD — NOTE BOOK NO. ____ — BY — DATE

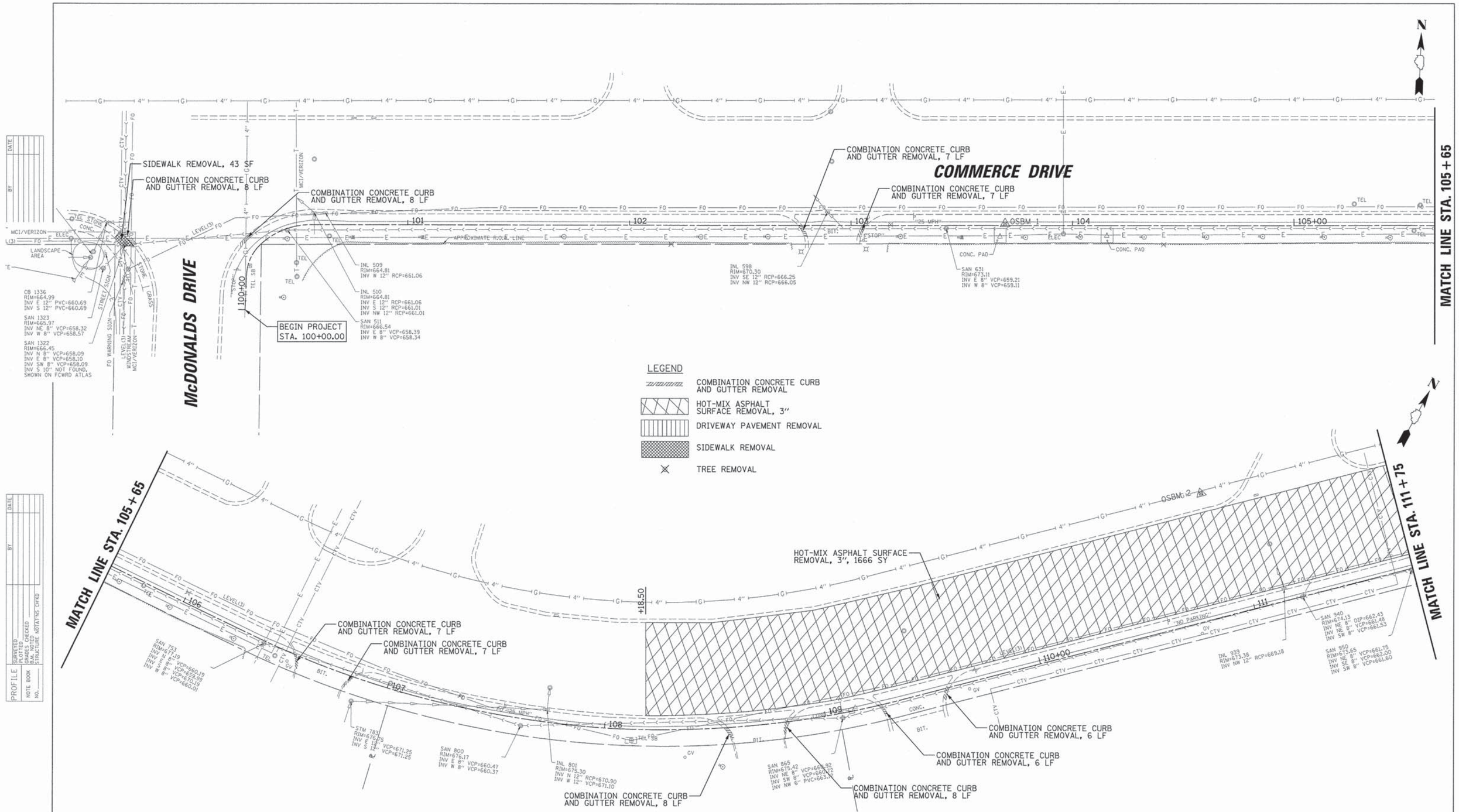
FILE NAME = N:\OAKBROOK\130227\Civil\brh_130227.sht	USER NAME = pmagnelli	DESIGNED - OG	REVISED -
		DRAWN - PMM	REVISED -
	PLOT SCALE = 30'	CHECKED - LMF	REVISED -
	PLOT DATE = 1/31/2014	DATE - 1/31/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

COMMERCE DRIVE SIDEWALK
ALIGNMENT TIES AND BENCHMARKS

SCALE: 30' | SHEET NO. 5 OF 27 SHEETS

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00047-00-SW	DuPAGE	27	5
		CONTRACT NO. 61A12		
		ILLINOIS FED. AID PROJECT		



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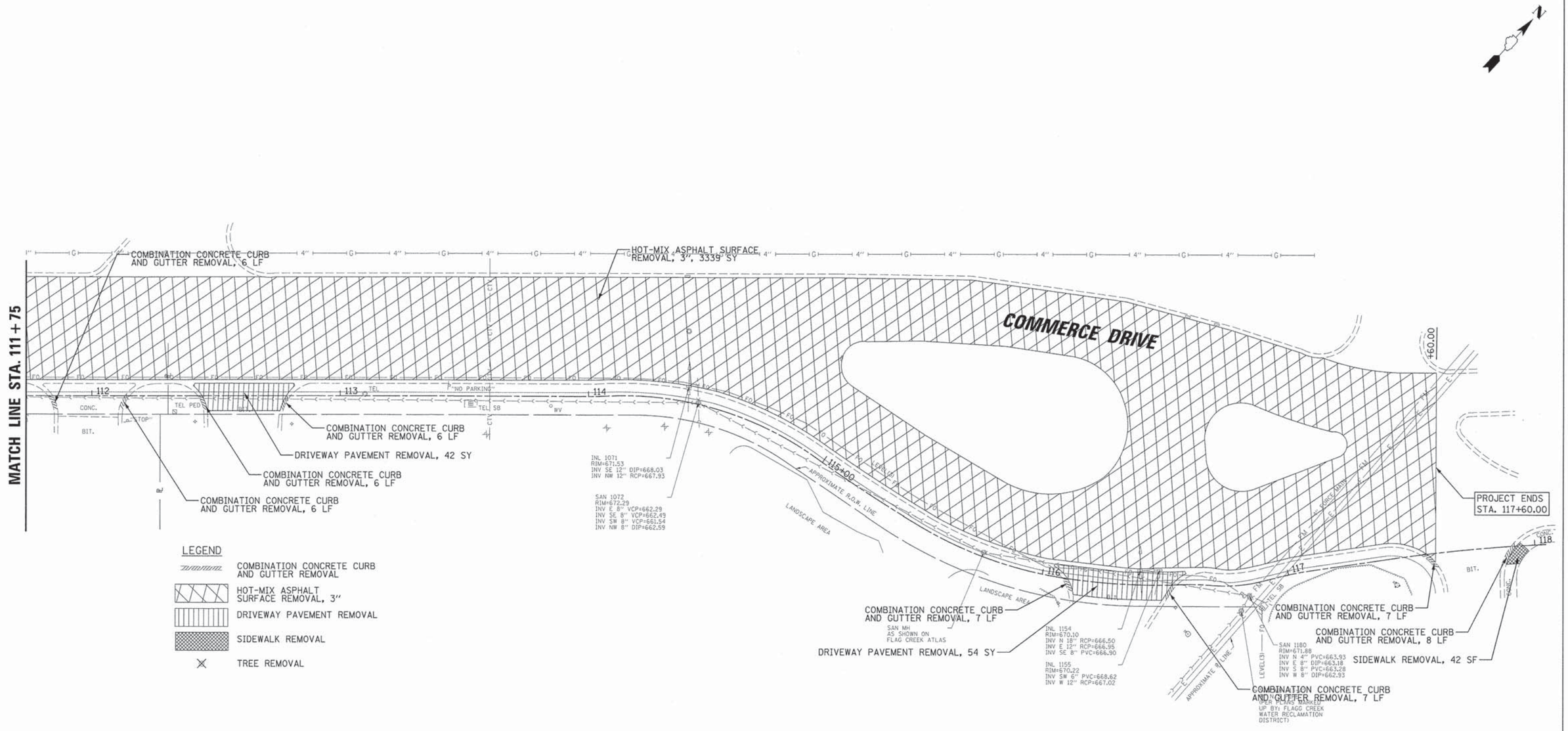
		DRAWN - PMM	REVISED -				13-00047-00-SW	DuPAGE	27 / 6
	PLOT SCALE = 20'	CHECKED - LMF	REVISED -					CONTRACT NO. 61A12	
	PLOT DATE = 1/31/2014	DATE - 1/31/2014	REVISED -		SCALE: 20' / SHEET NO. 6 OF 27 SHEETS			ILLINOIS FED. AID PROJECT	

PLAN		BY	DATE
NOTE BOOK NO.	SURVEYED		
	PLOTTED		
	ALIGNMENT CHECKED		
	RIGHT OF WAY PLOTTED		
	CADD FILE NAME		

PROFILE		BY	DATE
NOTE BOOK NO.	SURVEYED		
	PLOTTED		
	GRADES CHECKED		
	RIGHT OF WAY PLOTTED		
	STRUCTURE NOTATIONS CHKD		



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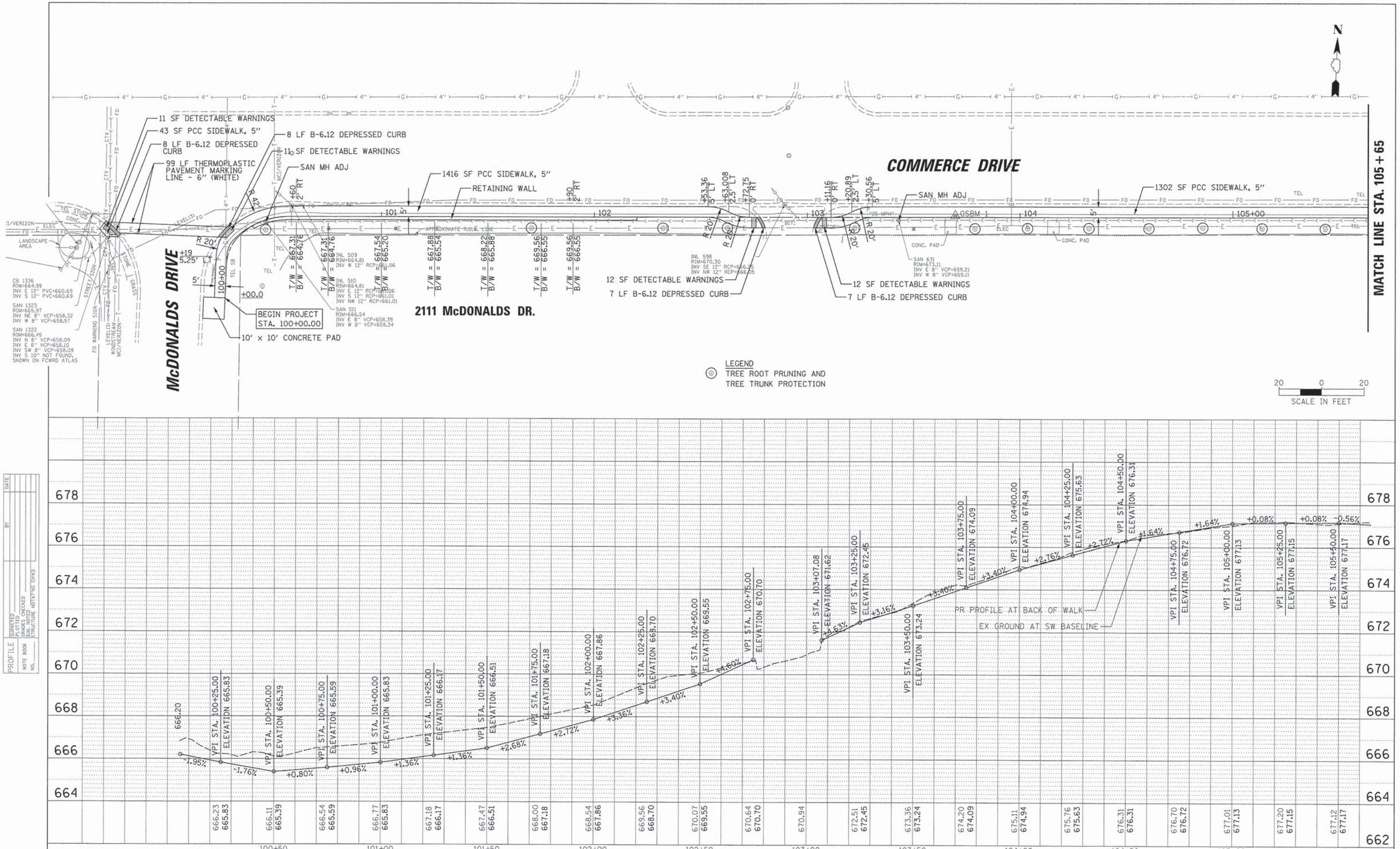
		DRAWN - PMM	REVISED -				13-00047-00-SW	DuPAGE	27	7
	PLOT SCALE = 20'	CHECKED - LMF	REVISED -					CONTRACT NO. 61A12		
	PLOT DATE = 1/31/2014	DATE - 1/31/2014	REVISED -		SCALE: 20' / SHEET NO. 7 OF 27 SHEETS		ILLINOIS FED. AID PROJECT			



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		DRAWN - PMM	REVISED -
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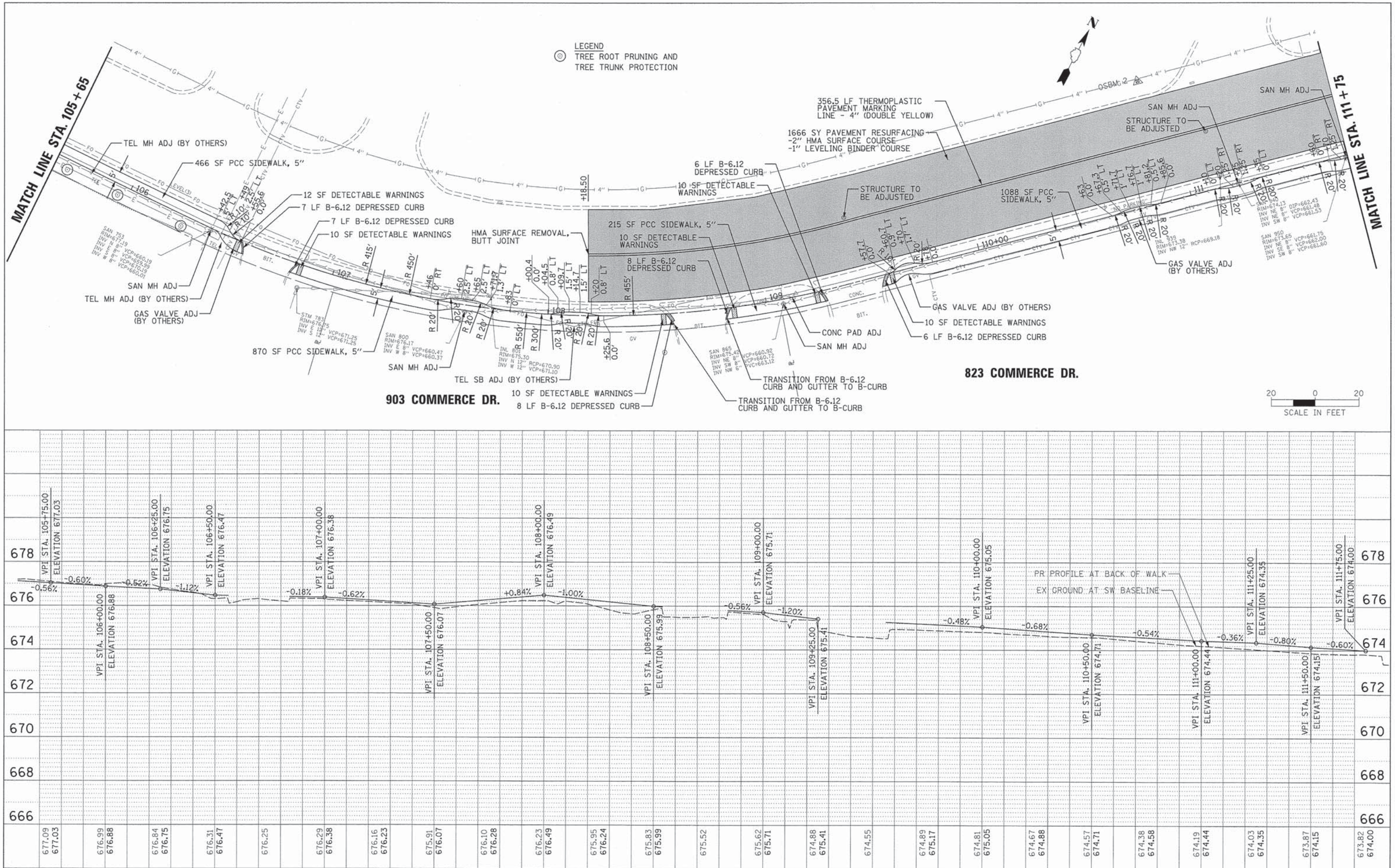
	PLOT DATE = 1/31/2014	DATE - 1/31/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

COMMERCE DRIVE SIDEWALK
PLAN AND PROFILE
STA 100+00 TO STA 105+65

SCALE: 20' | SHEET NO. 8 OF 27 SHEETS

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00047-00-SW	DuPAGE	27	8
		CONTRACT NO. 61A12		
		ILLINOIS FED. AID PROJECT		



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		DRAWN - PMM	REVISED -
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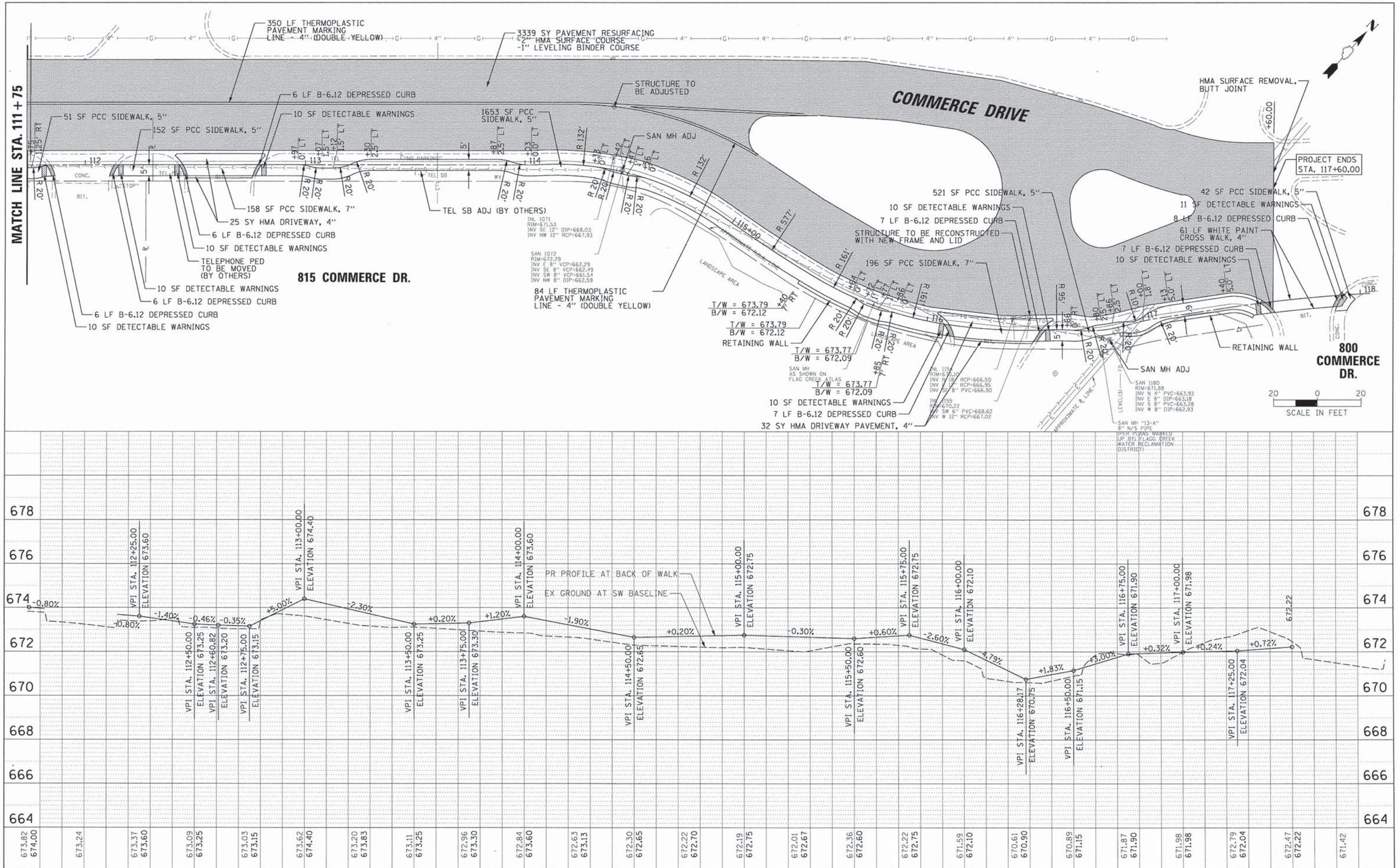
	PLOT DATE = 1/31/2014	DATE - 1/31/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

COMMERCE DRIVE SIDEWALK
PLAN AND PROFILE
STA 105+65 TO STA 111+75

SCALE: 20' | SHEET NO. 9 OF 27 SHEETS

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00047-00-SW	DuPAGE	27	9
		CONTRACT NO. 61A12		
		ILLINOIS FED. AID PROJECT		



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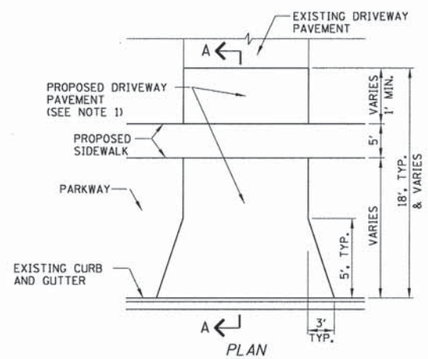
	PLOT DATE = 2/6/2014	DATE - 1/31/14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

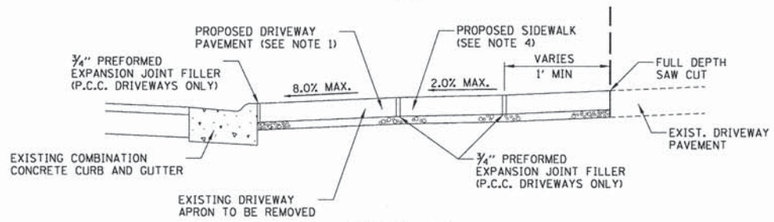
COMMERCE DRIVE SIDEWALK
PLAN AND PROFILE
STA 111+75 TO STA 118+00

SCALE: 20' | SHEET NO. 3 OF 27 SHEETS

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00047-00-SW	DuPAGE	27	10
		CONTRACT NO. 61A12		
		ILLINOIS FED. AID PROJECT		

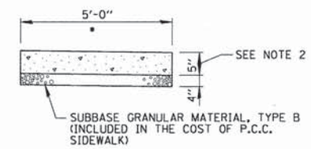


PLAN



SECTION A-A

TYPICAL DRIVEWAY DETAILS



• CROSS SLOPE 2% MAX. OR AS SHOWN ON CROSS SECTIONS

NOTES:

1. ALL REQUIRED EARTH EXCAVATION TO CONSTRUCT P.C.C. SIDEWALK SHALL BE INCLUDED IN THE COST OF P.C.C. SIDEWALK 5 INCH, SPECIAL.
2. THICKNESS SHALL BE INCREASED TO 7" WHERE SIDEWALK IS ADJACENT TO A CONCRETE DRIVEWAY (PAID FOR AS PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH, SPECIAL).
3. IN LOCATIONS WHERE SIDEWALK IS REMOVED AND REPLACED THROUGH DRIVEWAYS, DRIVEWAYS SHALL BE SAWCUT AT THE LIMITS OF THE PROPOSED SIDEWALK.
4. WHEN FORMS ARE REMOVED FROM THE SIDEWALK EITHER THE SIDEWALK SHALL BE BARRICADED OR BACKFILLED WITHIN 24 HOURS.

P.C.C. SIDEWALK, 5 INCH SPECIAL DETAIL

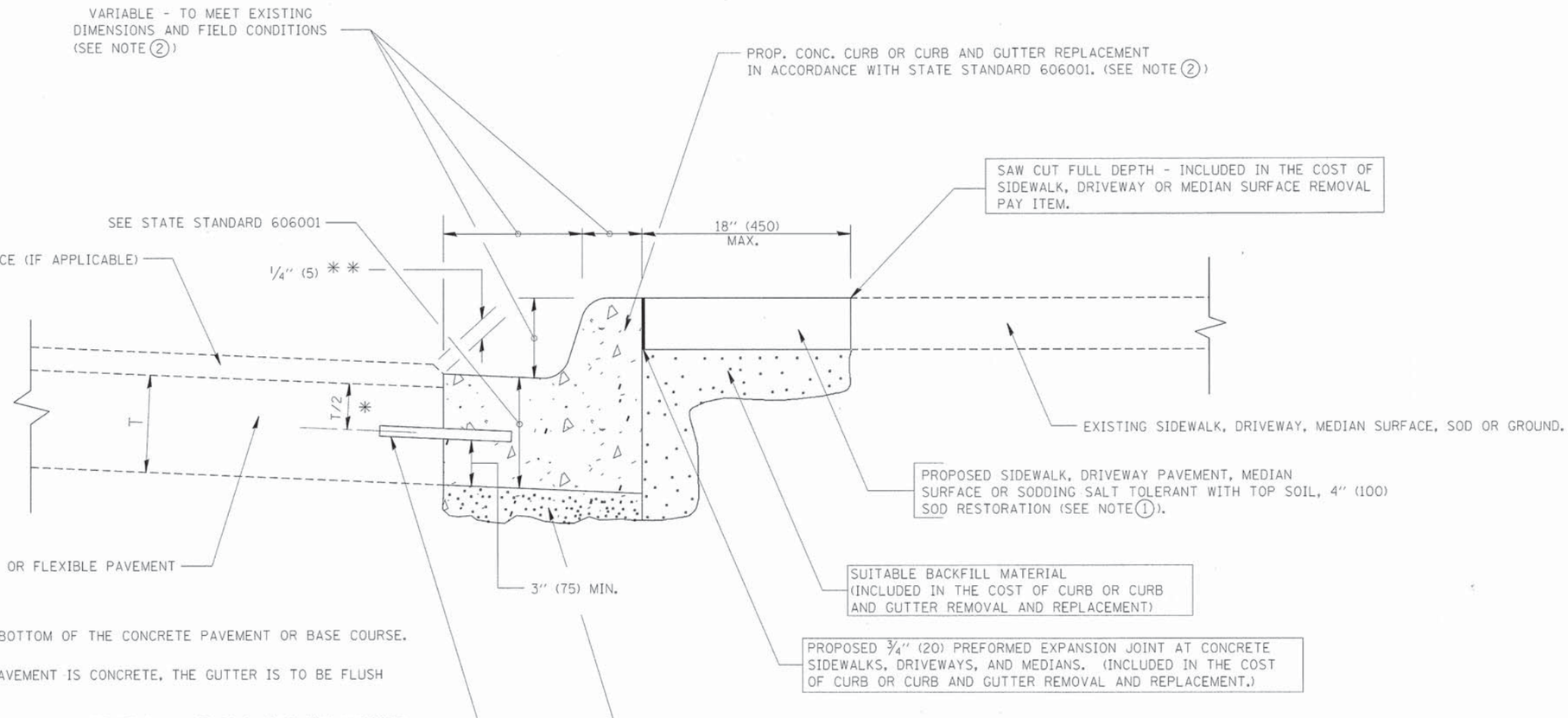
NOTES:

1. THE PROPOSED DRIVEWAY PAVEMENT SHALL CONSIST OF:
   A) 4" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IN TWO LIFTS), 6" AGGREGATE BASE COURSE TYPE B IF THE EXISTING DRIVEWAY IS ASPHALT OR AGGREGATE.
2. PREFORMED EXPANSION JOINT FILLER SHALL BE CONSIDERED INCLUDED IN THE COST OF P.C.C. DRIVEWAY PAVEMENT.
3. ALL REQUIRED EARTH EXCAVATION AND DRIVEWAY REMOVAL REQUIRED TO CONSTRUCT DRIVES SHALL BE INCLUDED IN THE COST OF DRIVEWAY REMOVAL & REPLACEMENT.
4. SIDEWALK THROUGH DRIVEWAY SHALL BE 7" THICK AND SHALL BE PAID FOR AS PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH, SPECIAL.

PLAN: NOTE BOOK NO. ___ SURVEYED ___ PLOTTED ___ ALIGNMENT CHECKED ___ RT. OF WAY CHECKED ___ CADD FILE NAME ___ BY ___ DATE ___

PROFILE: NOTE BOOK NO. ___ SURVEYED ___ PLOTTED ___ GRADES CHECKED ___ B.M. NOTED ___ STRUCTURE NOTATNS CHKD ___ BY ___ DATE ___

FILE NAME = N:\OAKBROOK\130227\Civil\det_120208.SHT	USER NAME = pmegnelli	DESIGNED - OG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	COMMERCE DRIVE SIDEWALK CONSTRUCTION DETAILS	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN - PMM	REVISED -				13-00047-00-SW	DuPAGE	27 / 11
	PLOT SCALE = NOT TO SCALE	CHECKED - LMF	REVISED -					CONTRACT NO. 61A12	
	PLOT DATE = 2/6/2014	DATE - 1/31/14	REVISED -		SCALE: NOT TO SCALE / SHEET NO. 3 OF 27 SHEETS			ILLINOIS FED. AID PROJECT	



* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

* * IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

NOTE: (1) SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.

SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY.

(2) FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED

(3) CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.

(4) FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.

(5) LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

(6) THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.

(7) THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.

(8) THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

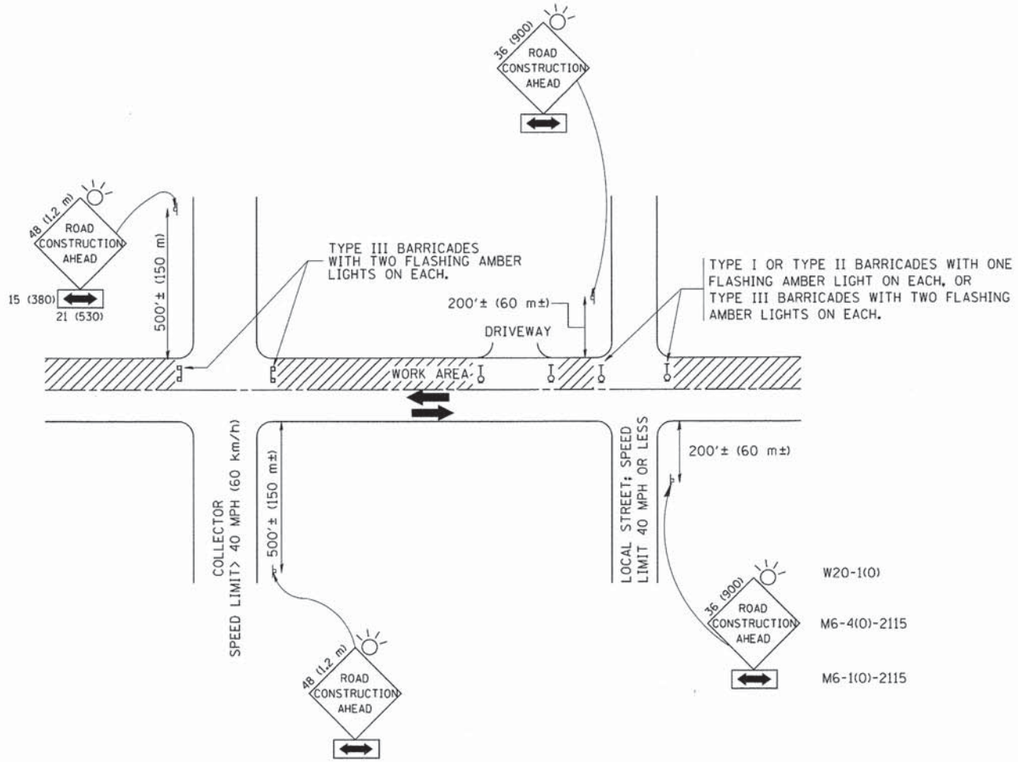
BASIS OF PAYMENT:

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = c:\pw_work\pwidot\drivakosgn\d0183j5\bd24.dgn	USER NAME = drivakosgn	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - A. ABBAS 03-21-97				13-00047-00-SW	DUPAGE	27	11A
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - M. GOMEZ 01-22-01				BD600-06 (BD-24)	CONTRACT NO. 61A12		
	PLOT DATE = 12/15/2009	DATE - 03-11-94	REVISED - R. BORO 12-15-09		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

NOTES:

A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

   a) ONE **ROAD CONSTRUCTION AHEAD** SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.

   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.

2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

   a) ONE **ROAD CONSTRUCTION AHEAD** SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.

   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.

3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.

C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.

D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

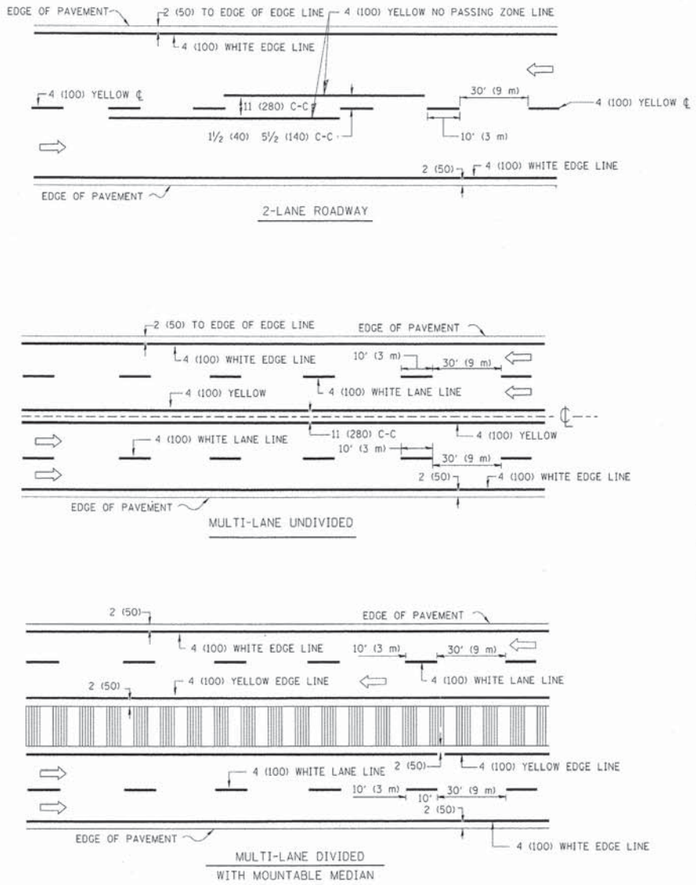
FILE NAME = W:\diststd\22x34\tc10.dgn	USER NAME = gaglianobt	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95
		DRAWN -	REVISED - A. HOUSEH 03-06-96
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - A. HOUSEH 10-15-96
	PLOT DATE = 1/4/2008	DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

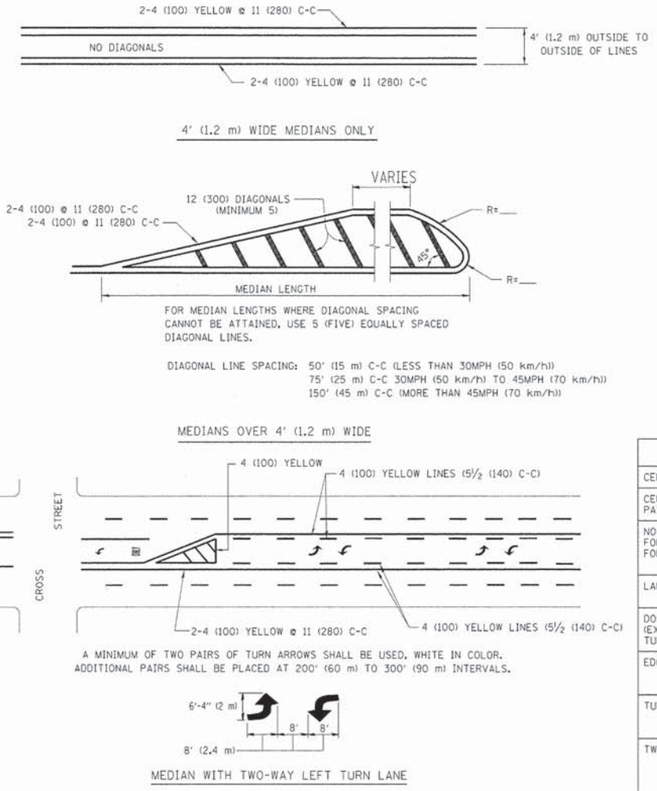
SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00047-00-SW	DUPAGE	27	11B
	TC-10	CONTRACT NO. 61A12		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

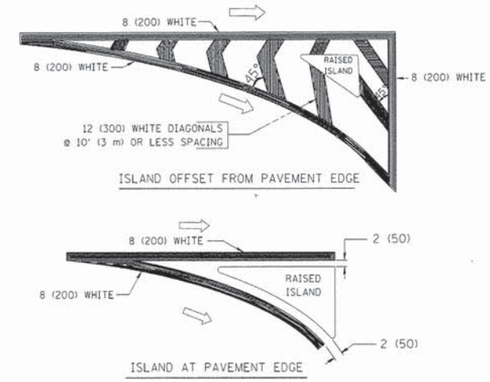


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING



TYPICAL PAINTED MEDIAN MARKING

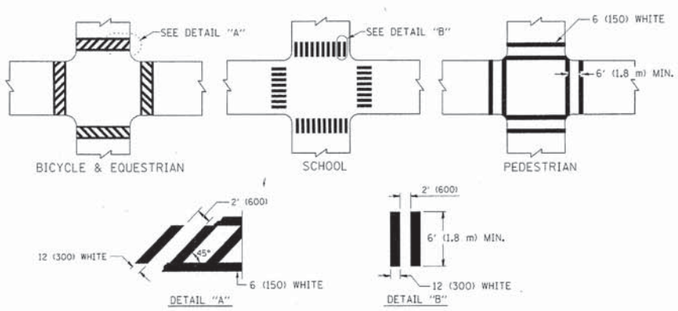


TYPICAL ISLAND MARKING

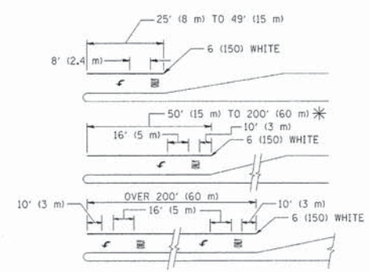
TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m^2) EACH "X"=54.0 SQ. FT. (5.0 m^2)
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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



TYPICAL CROSSWALK MARKING



FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
↰ AREA = 15.6 SQ. FT. (1.5 m^2) ONLY AREA = 20.8 SQ. FT. (1.9 m^2)

✳ TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

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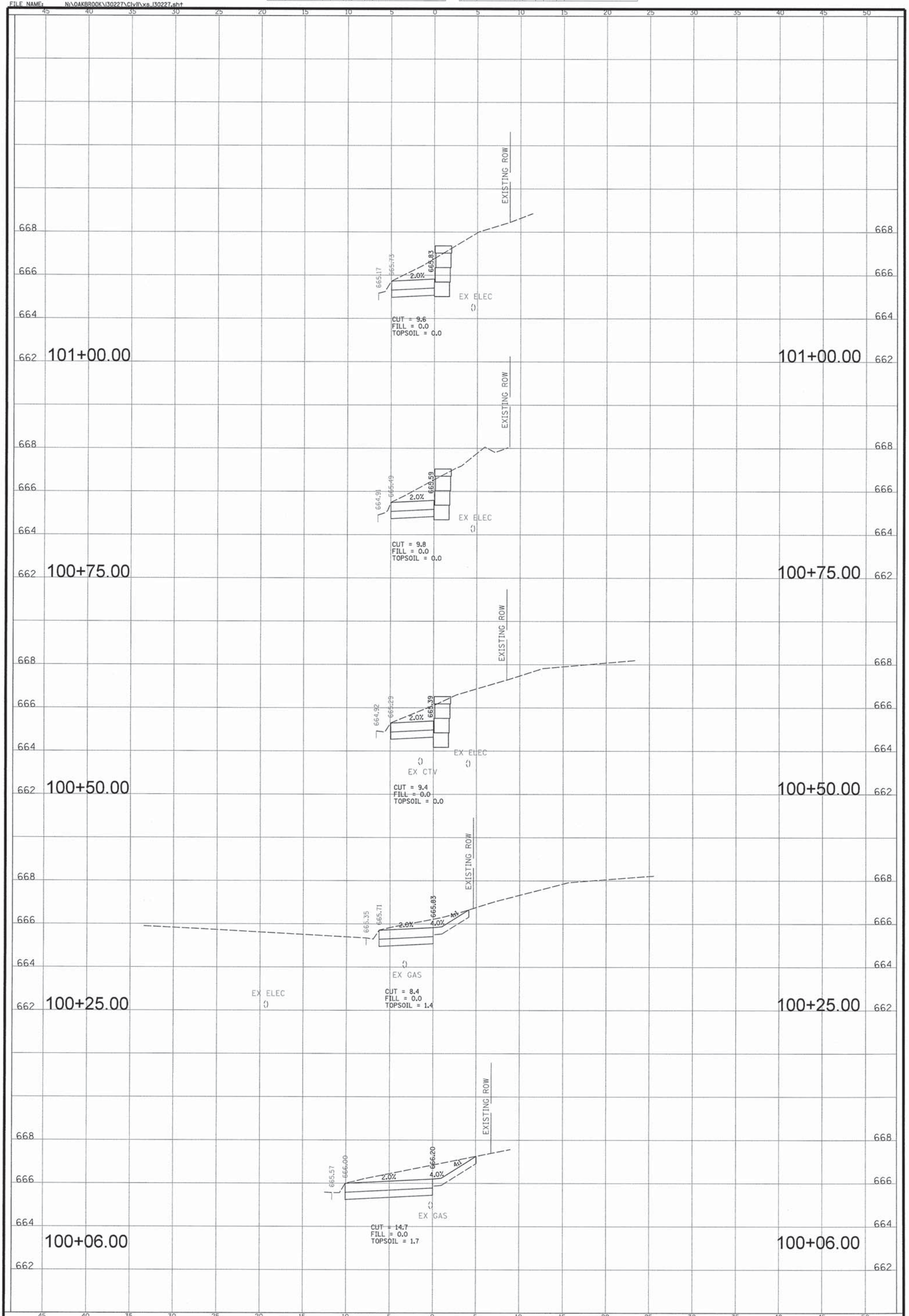
		DRAWN -	REVISED -C. JUCIUS 09-09-09						13-00047-00-SW	DUPAGE	27 / 11C
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED -						TC-13	CONTRACT NO. 61A12	
	PLOT DATE = 9/9/2009	DATE - 03-19-90	REVISED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.		FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT

FILE NAME: N:\OAKBROOK\130227\Civil\xs.130227.sht



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CLIENT:

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DSGN.	OG
DWN.	PMM
CHKD.	LMF
SCALE:	HORZ. 5
	VERT. 2
PLOT DATE:	1/31/2014
CAD USER:	pmagnelli
MODEL:	Default

N:\OAKBROOK\130227\Civil\xs.130227.sht

TITLE:

COMMERCE DRIVE SIDEWALK
STA. 100+06.00 – STA. 101+00.00

CONTRACT NO.	61A12
DATE:	01-10-14
SHEET	12 OF 27
DRAWING NO.	

XS1

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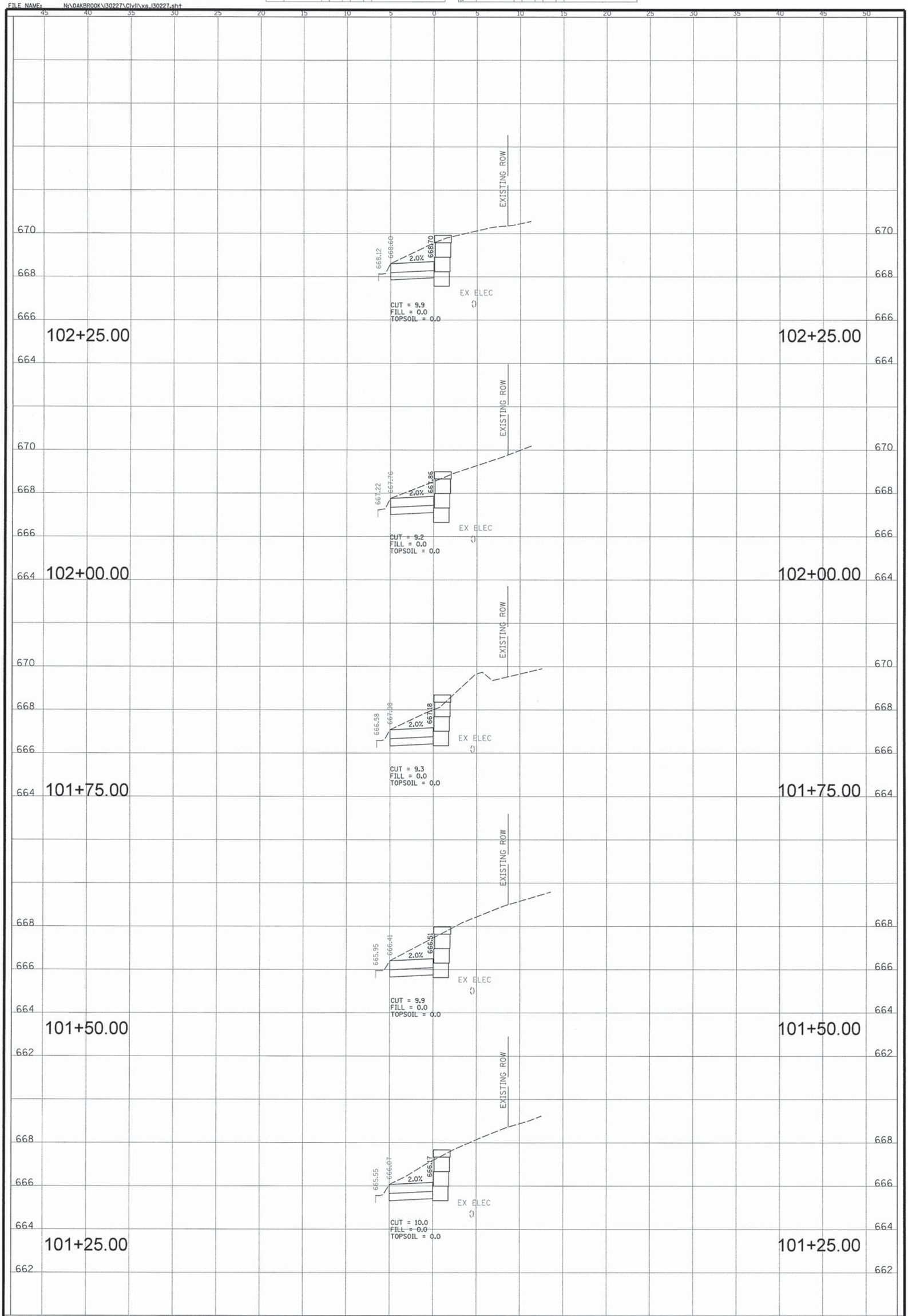

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DSGN.	OG
DWN.	PMM
CHKD.	LMF
SCALE:	HORZ. 5
	VERT. 2
PLOT DATE:	1/31/2014
CAD USER:	pmagnell
MODEL:	Default

N:\OAKBROOK\130227\Civil\xs_130227.sht

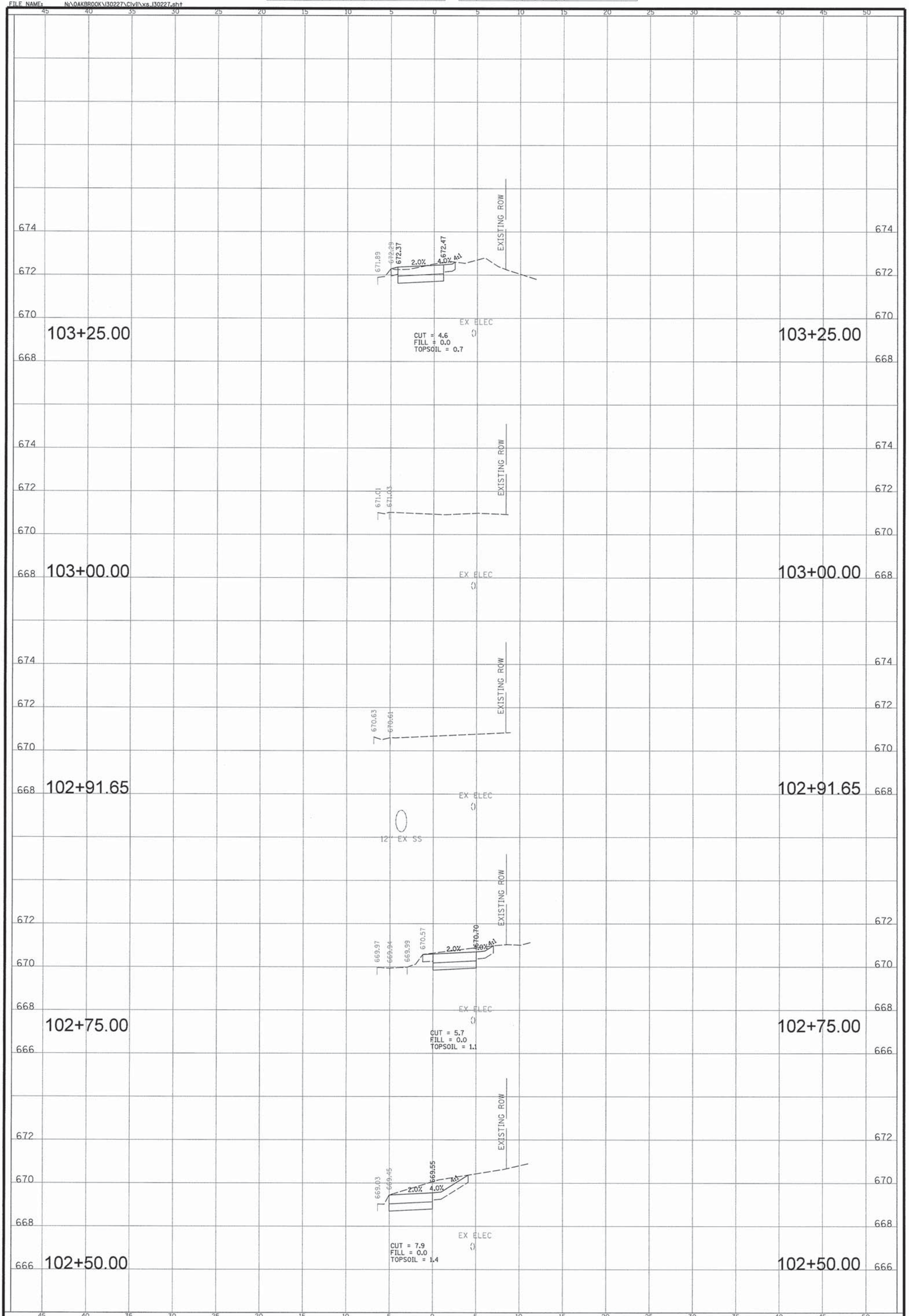
TITLE:

COMMERCE DRIVE SIDEWALK
STA. 101+25.00 – STA. 102+25.00

CONTRACT NO. 61A12
DATE: 01-10-14
SHEET 13 OF 27
DRAWING NO.

XS2

FILE NAME: N:\OAKBROOK\130227\Civil\xs.130227.sht



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STATE OF ILLINOIS
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DSGN.	OG
DWN.	PMM
CHKD.	LMF
SCALE:	HORZ. 5
	VERT. 2
PLOT DATE:	1/31/2014
CAD USER:	pmognelli
MODEL:	Default

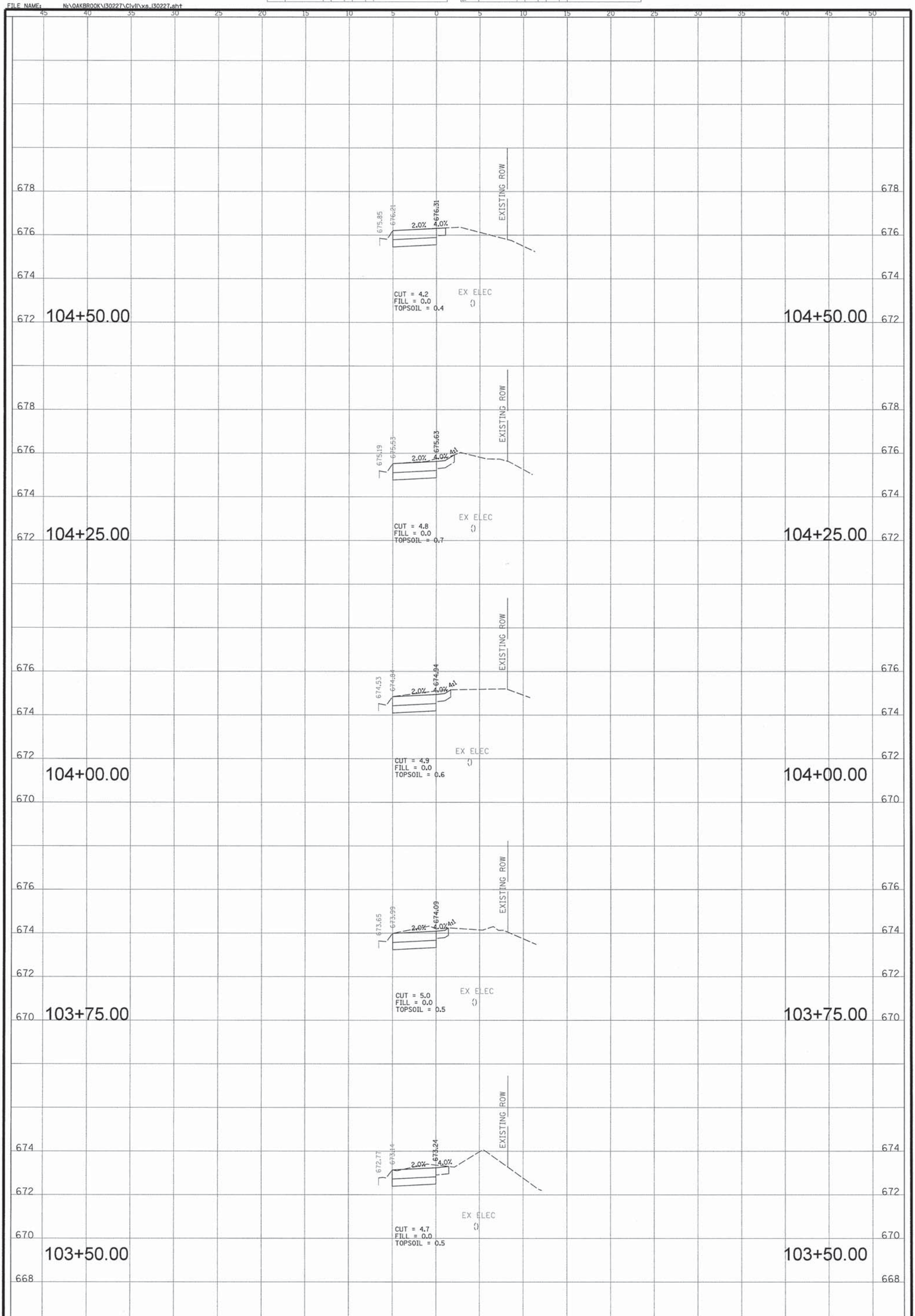
N:\OAKBROOK\130227\Civil\xs.130227.sht

TITLE:

COMMERCE DRIVE SIDEWALK
STA. 102+50.00 – STA. 103+25.00

CONTRACT NO.	61A12
DATE:	01-10-14
SHEET	14 OF 27
DRAWING NO.	XS3

FILE NAME: N:\OAKBROOK\130227\Civil\xs_130227.sht



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DSGN.	OG
DWN.	PMM
CHKD.	LMF
SCALE:	HORZ. 5
	VERT. 2
PLOT DATE:	1/31/2014
CAD USER:	pmagnell
MODEL:	Default

N:\OAKBROOK\130227\Civil\xs_130227.sht

TITLE:

COMMERCE DRIVE SIDEWALK
STA. 103 + 50.00 – STA. 104 + 50.00

CONTRACT NO. 61A12
DATE: 01-10-14
SHEET 15 OF 27
DRAWING NO.
XS4

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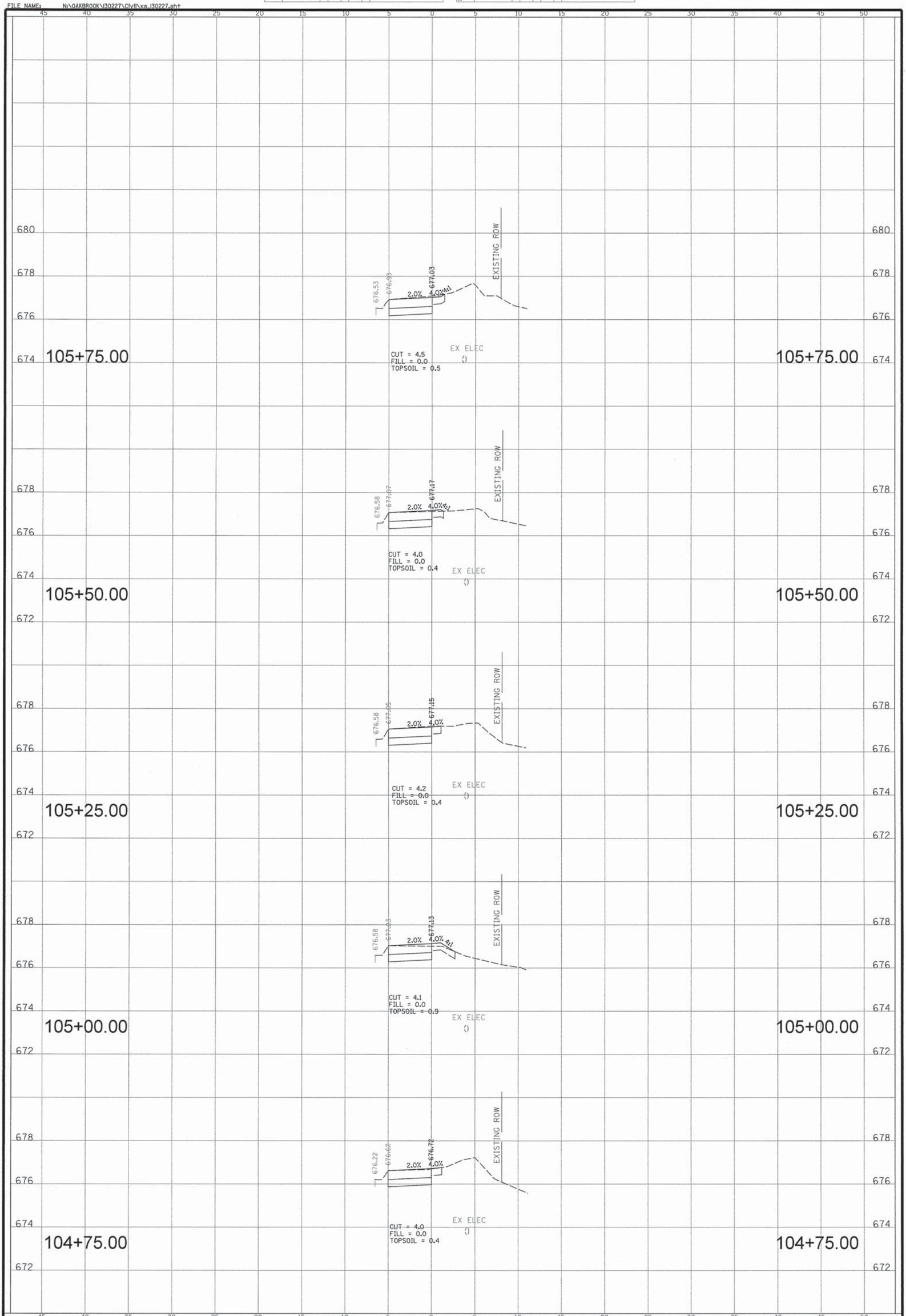

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DSGN.	OG
DWN.	PMM
CHKD.	LMF
SCALE:	HORZ. 5
	VERT. 2
PLOT DATE:	1/31/2014
CAD USER:	pmagnelli
MODEL:	Default

N:\OAKBROOK\130227\Civil\xs_130227.sht

TITLE:

COMMERCE DRIVE SIDEWALK
STA. 104+75.00 – STA. 105+75.00

CONTRACT NO.	61A12
DATE:	01-10-14
SHEET	16 OF 27
DRAWING NO.	

XS5

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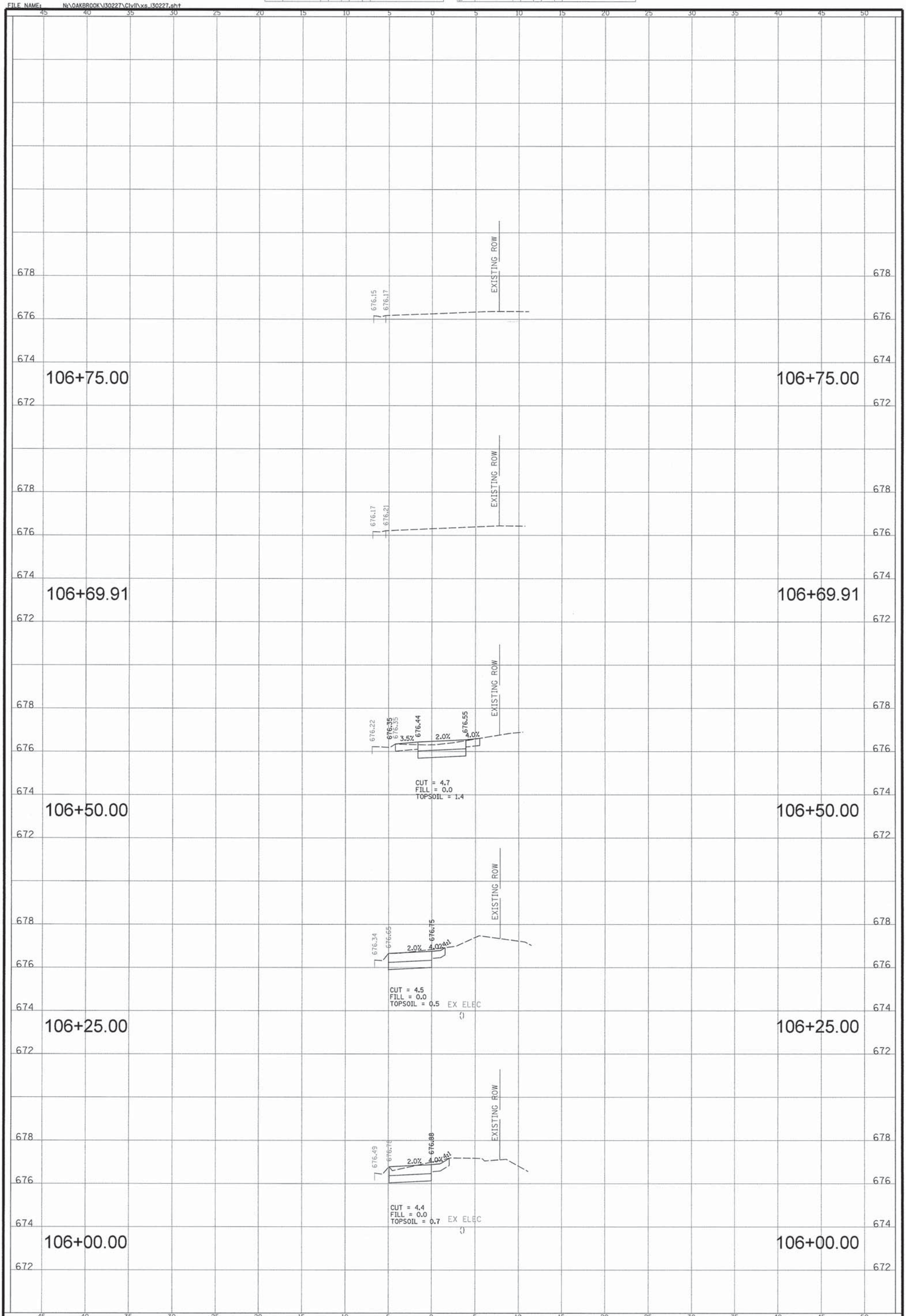

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DWN.	PMM
CHKD.	LMF
SCALE:	HORZ. 5
	VERT. 2
PLOT DATE:	1/31/2014
CAD USER:	pmagnell
MODEL:	Default

N:\OAKBROOK\130227\Civil\xs_130227.sht

TITLE:

COMMERCE DRIVE SIDEWALK
STA. 106+00.00 – STA. 106+75.00

CONTRACT NO.	61A12
DATE:	01-10-14
SHEET	17 OF 27
DRAWING NO.	

XS6

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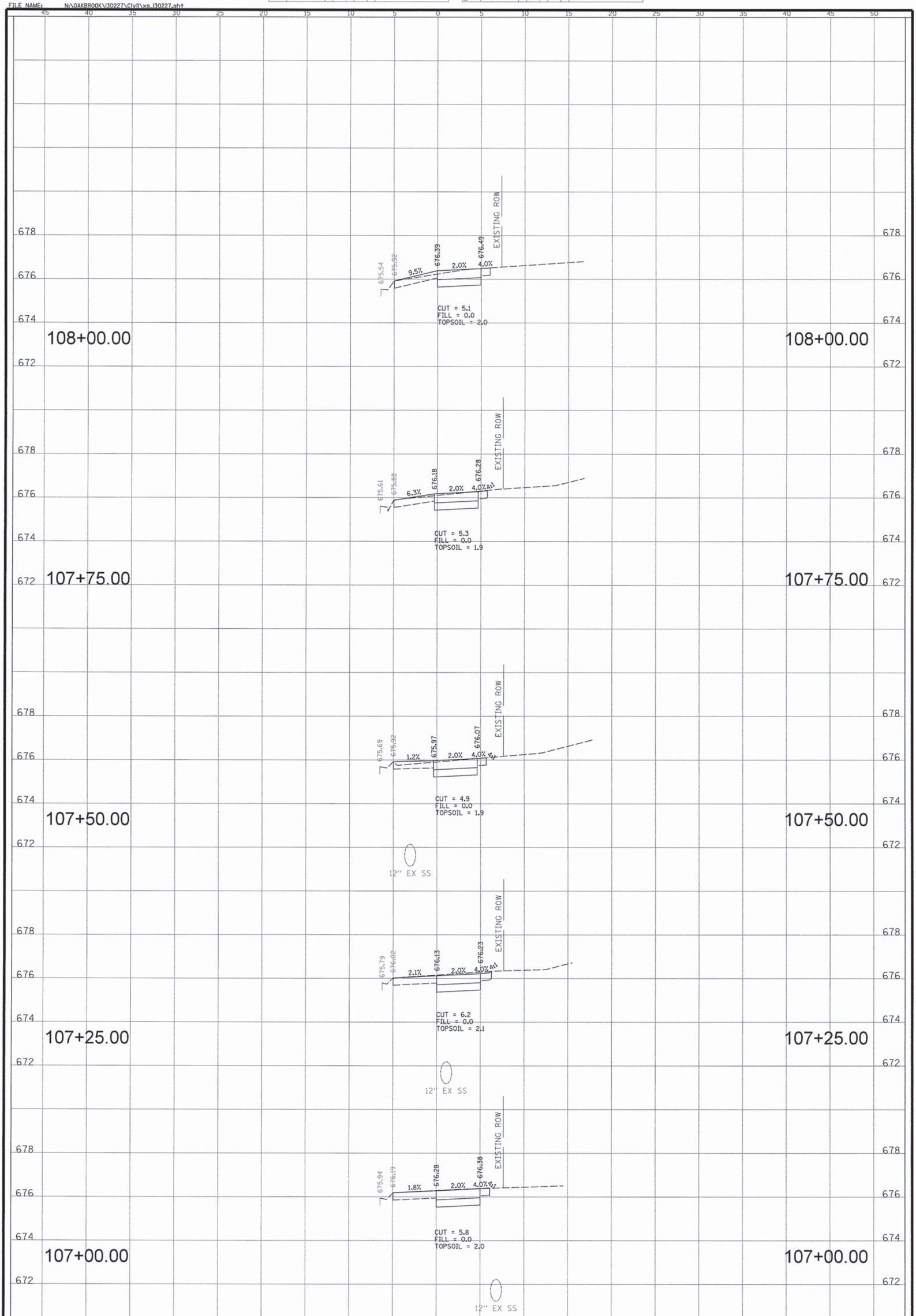

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DWN.	PMM
CHKD.	LMF
SCALE:	HORZ. 5
	VERT. 2
PLOT DATE:	1/31/2014
CAD USER:	pmagnelli
MODEL:	Default

N:\OAKBROOK\130227\Civil\xs_130227.sht

TITLE:

COMMERCE DRIVE SIDEWALK
STA. 107+00.00 – STA. 108+00.00

CONTRACT NO. 61A12
DATE: 01-10-14
SHEET 18 OF 27
DRAWING NO.

XS7

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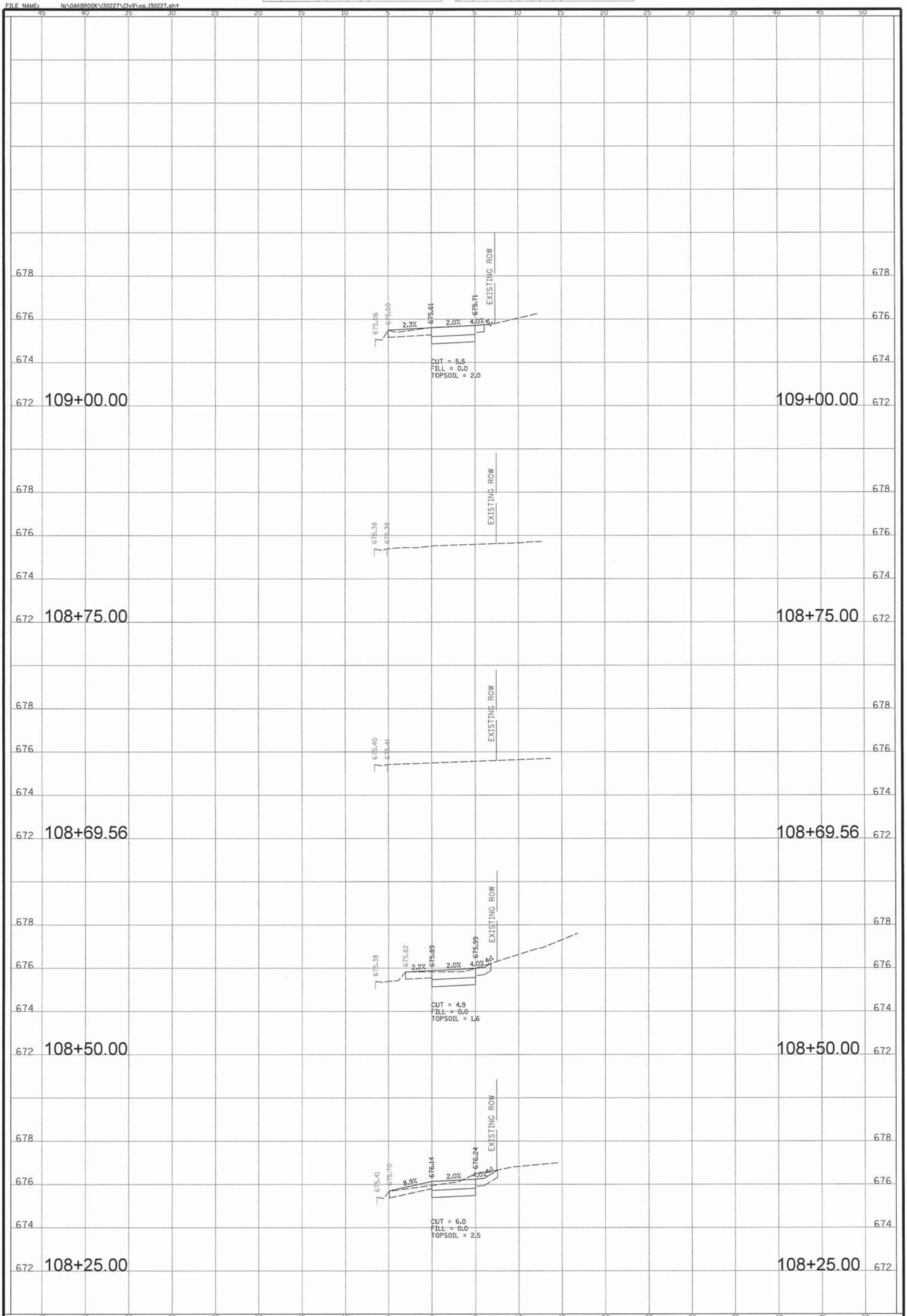

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DSGN.	OG
DWN.	PMM
CHKD.	LMF
SCALE:	HORZ. 5
	VERT. 2
PLOT DATE:	1/31/2014
CAD USER:	pmagnelli
MODEL:	Default

N:\OAKBROOK\130227\Civil\xs_130227.sht

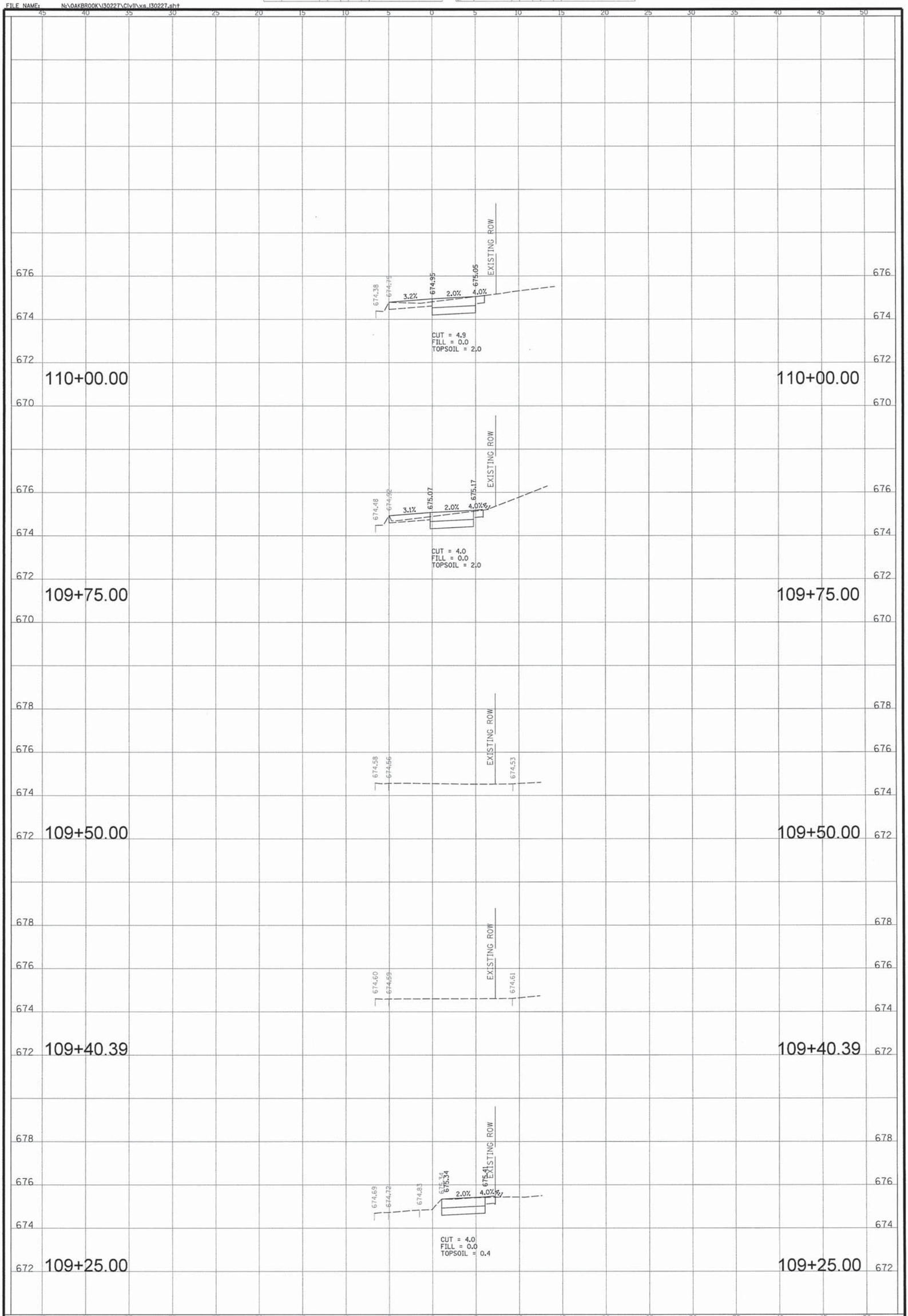
TITLE:

COMMERCE DRIVE SIDEWALK
STA. 108+25.00 – STA. 109+00.00

CONTRACT NO.	61A12
DATE:	01-10-14
SHEET	19 OF 27
DRAWING NO.	

XS8

FILE NAME: N:\OAKBROOK\130227\Civil\xs_130227.sht



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DSGN.	OG	
DWN.	PMM	
CHKD.	LMF	
SCALE:	HORZ. 5	
	VERT. 2	
PLOT DATE:	1/31/2014	
CAD USER:	pmagnelli	
MODEL:	Default	

N:\OAKBROOK\130227\Civil\xs_130227.sht

TITLE:

COMMERCE DRIVE SIDEWALK
STA. 109+25.00 –STA. 110+00.00

CONTRACT NO.	61A12
DATE:	01-10-14
SHEET	20 OF 27
DRAWING NO.	

XS9

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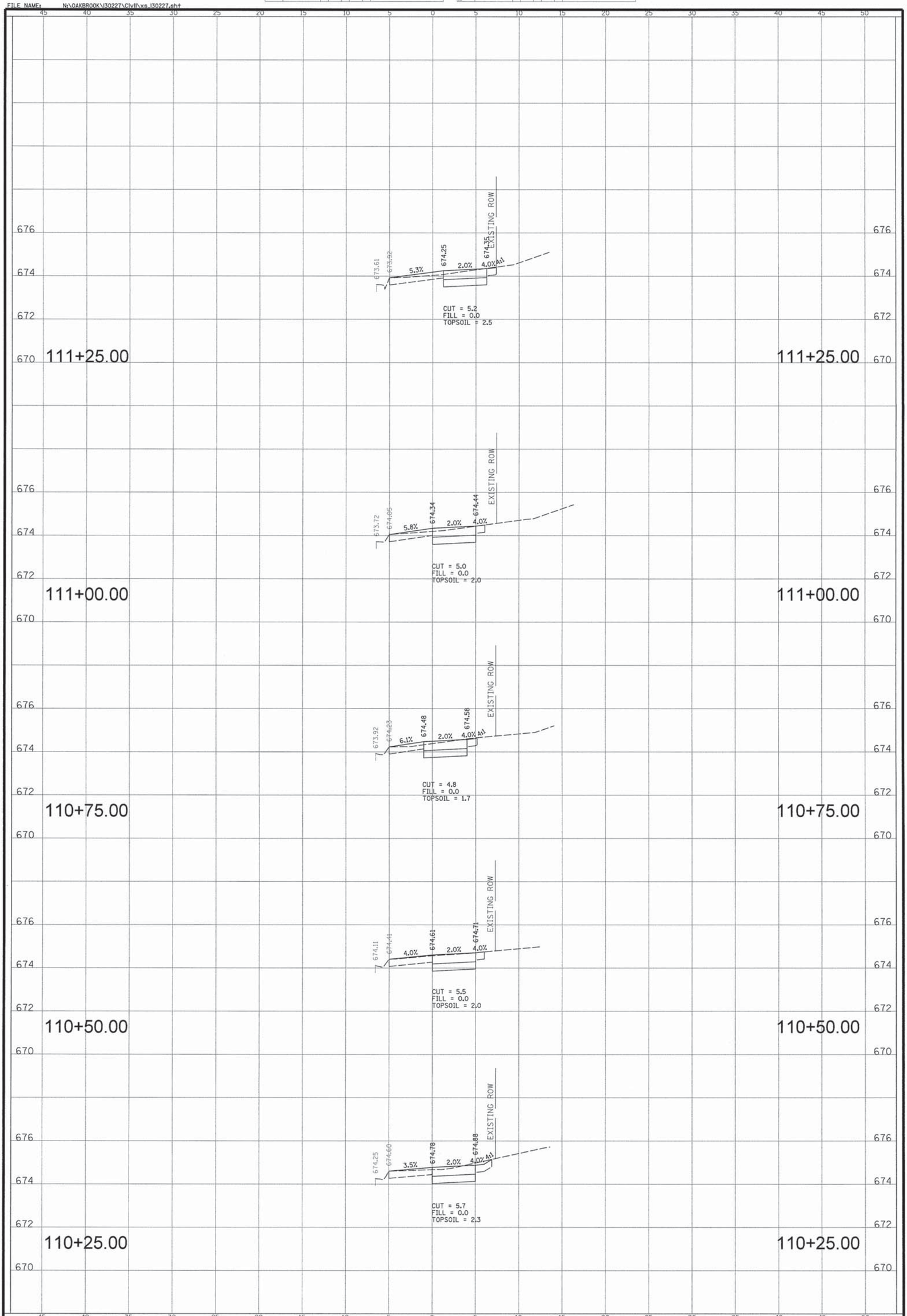

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DSGN.	OG
DWN.	PMM
CHKD.	LMF
SCALE:	HORZ. 5
	VERT. 2
PLOT DATE:	1/31/2014
CAD USER:	pmagnell
MODEL:	Default

N:\OAKBROOK\130227\Civil\xs_130227.sht

TITLE:

COMMERCE DRIVE SIDEWALK
STA. 110 + 25.00 – STA. 111 + 25.00

CONTRACT NO.	61A12
DATE:	01-10-14
SHEET	21 OF 27
DRAWING NO.	

XS10

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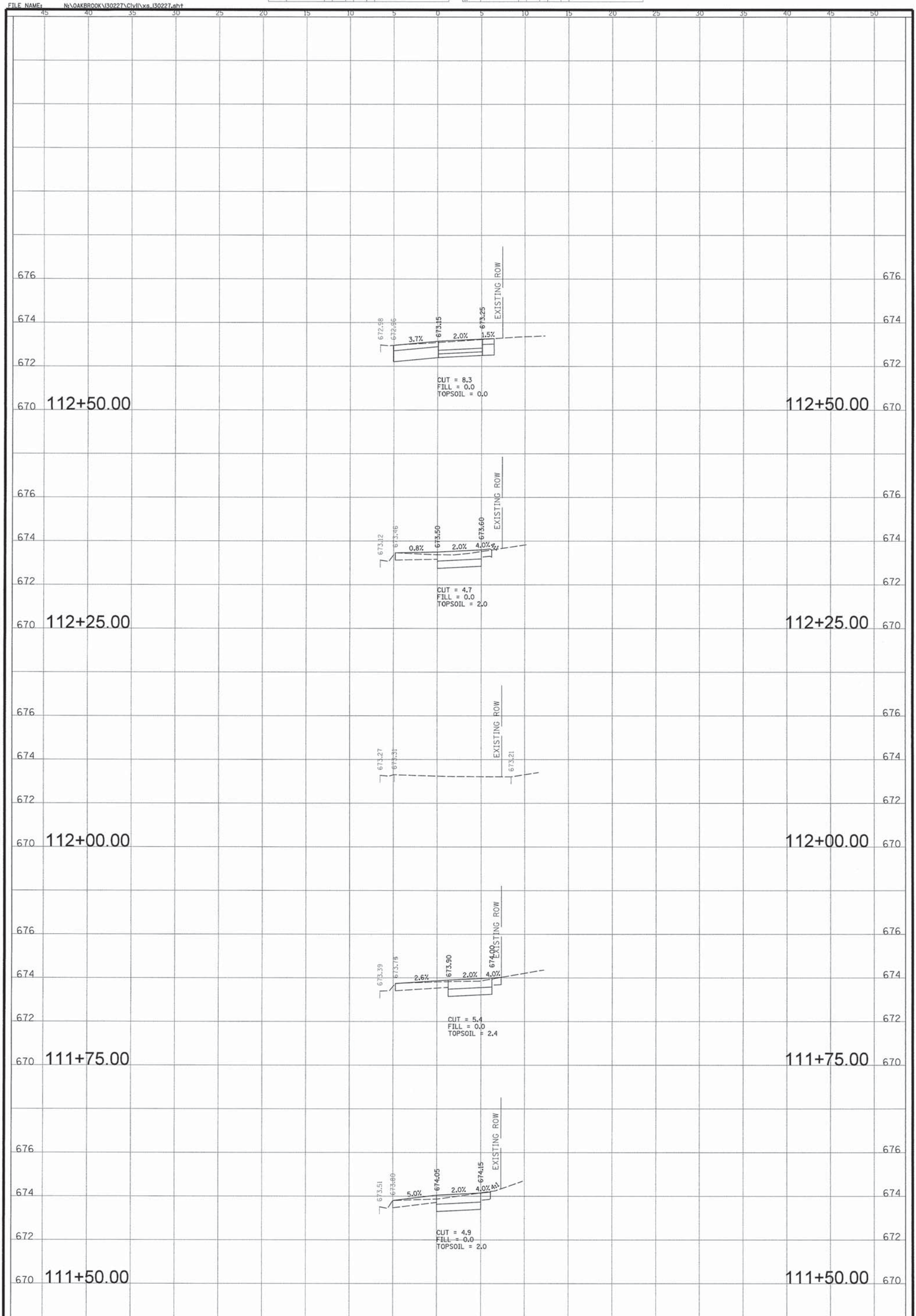

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DWN.	PMM
CHKD.	LMF
SCALE:	HORZ. 5
	VERT. 2
PLOT DATE:	1/31/2014
CAD USER:	pmagnell
MODEL:	Default

N:\OAKBROOK\130227\Civil\xs_130227.sht

TITLE:

COMMERCE DRIVE SIDEWALK
STA. 111+50.00 – STA. 112+50.00

CONTRACT NO. 61A12
DATE: 01-10-14
SHEET 22 OF 27
DRAWING NO.
XS11

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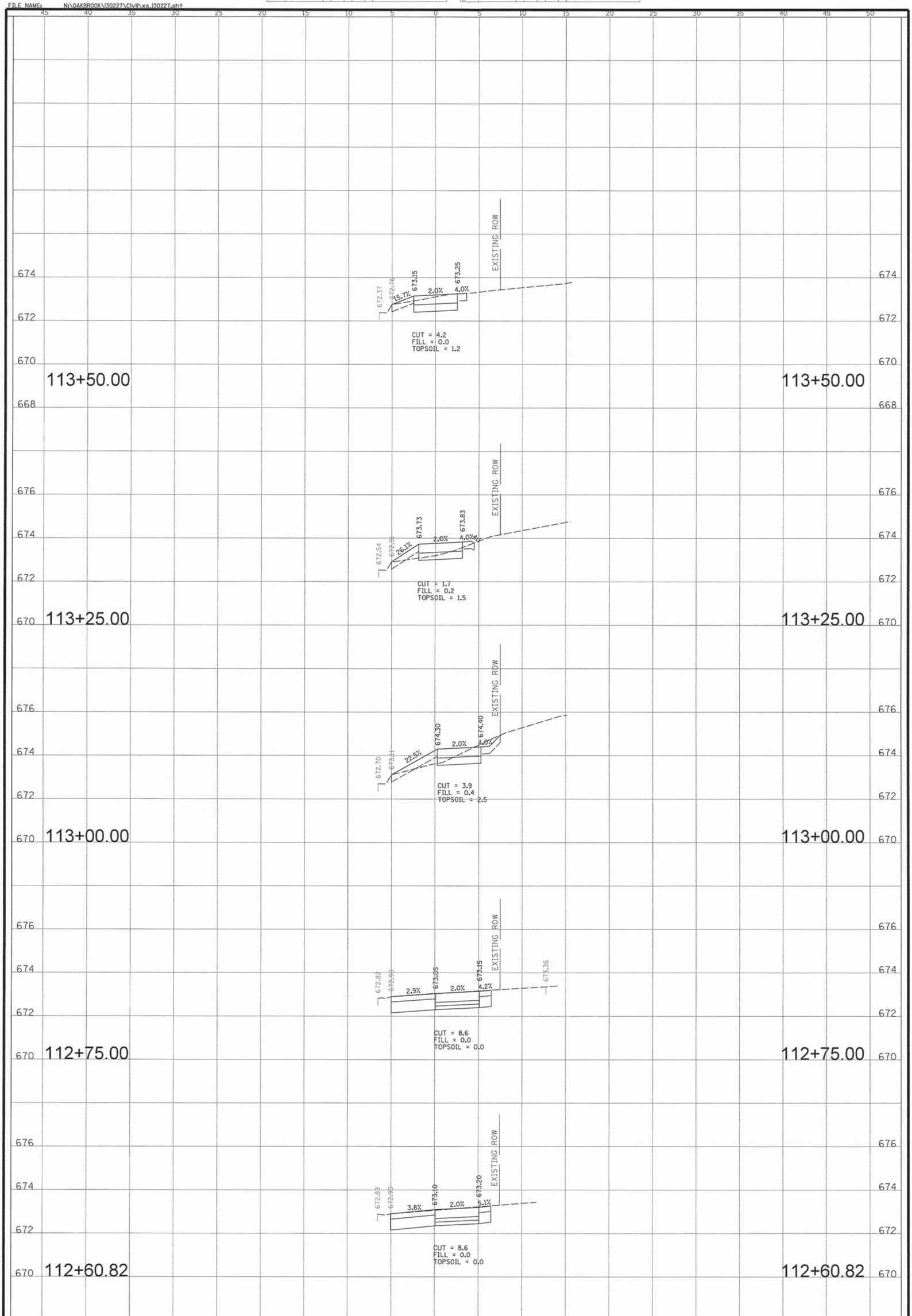

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DSGN.	OG
DWN.	PMM
CHKD.	LMF
SCALE:	HORZ. 5
	VERT. 2
PLOT DATE:	1/31/2014
CAD USER:	pmagnell
MODEL:	Default

N:\OAKBROOK\130227\Civil\xs.130227.sht

TITLE:

COMMERCE DRIVE SIDEWALK
STA. 112 + 60.82 – STA. 113 + 50.00

CONTRACT NO.	61A12
DATE:	01-10-14
SHEET	23 OF 27
DRAWING NO.	

XS12

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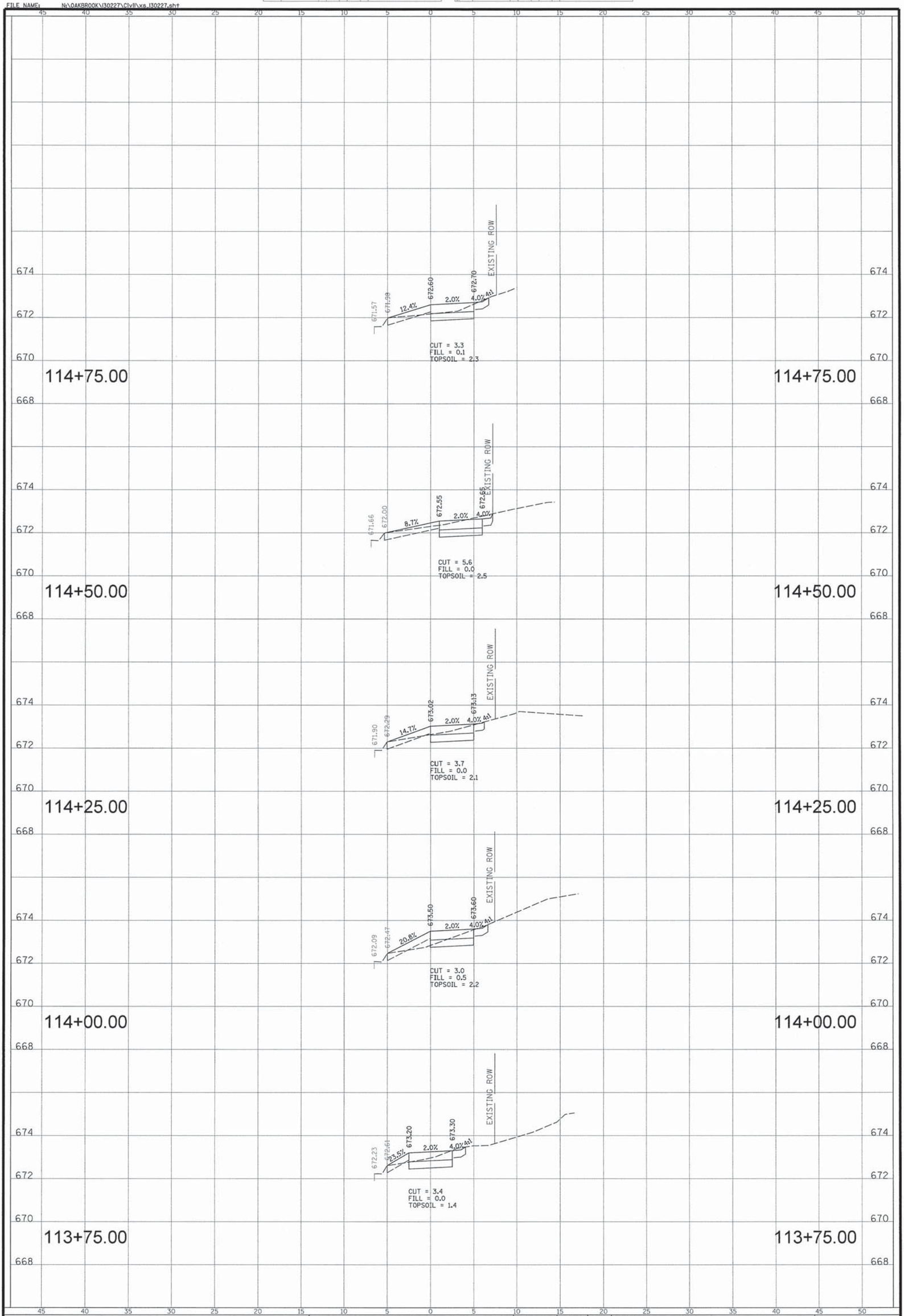

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CLIENT:

STATE OF ILLINOIS
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DSGN.	OG
DWN.	PMM
CHKD.	LMF
SCALE:	HORZ. 5
	VERT. 2
PLOT DATE:	1/31/2014
CAD USER:	pmagnell
MODEL:	Default

N:\OAKBROOK\130227\Civil\xs_130227.sht

TITLE:

COMMERCE DRIVE SIDEWALK
STA. 113 + 75.00 – STA. 114 + 75.00

CONTRACT NO.	61A12
DATE:	01-10-14
SHEET	24 OF 27
DRAWING NO.	XS13

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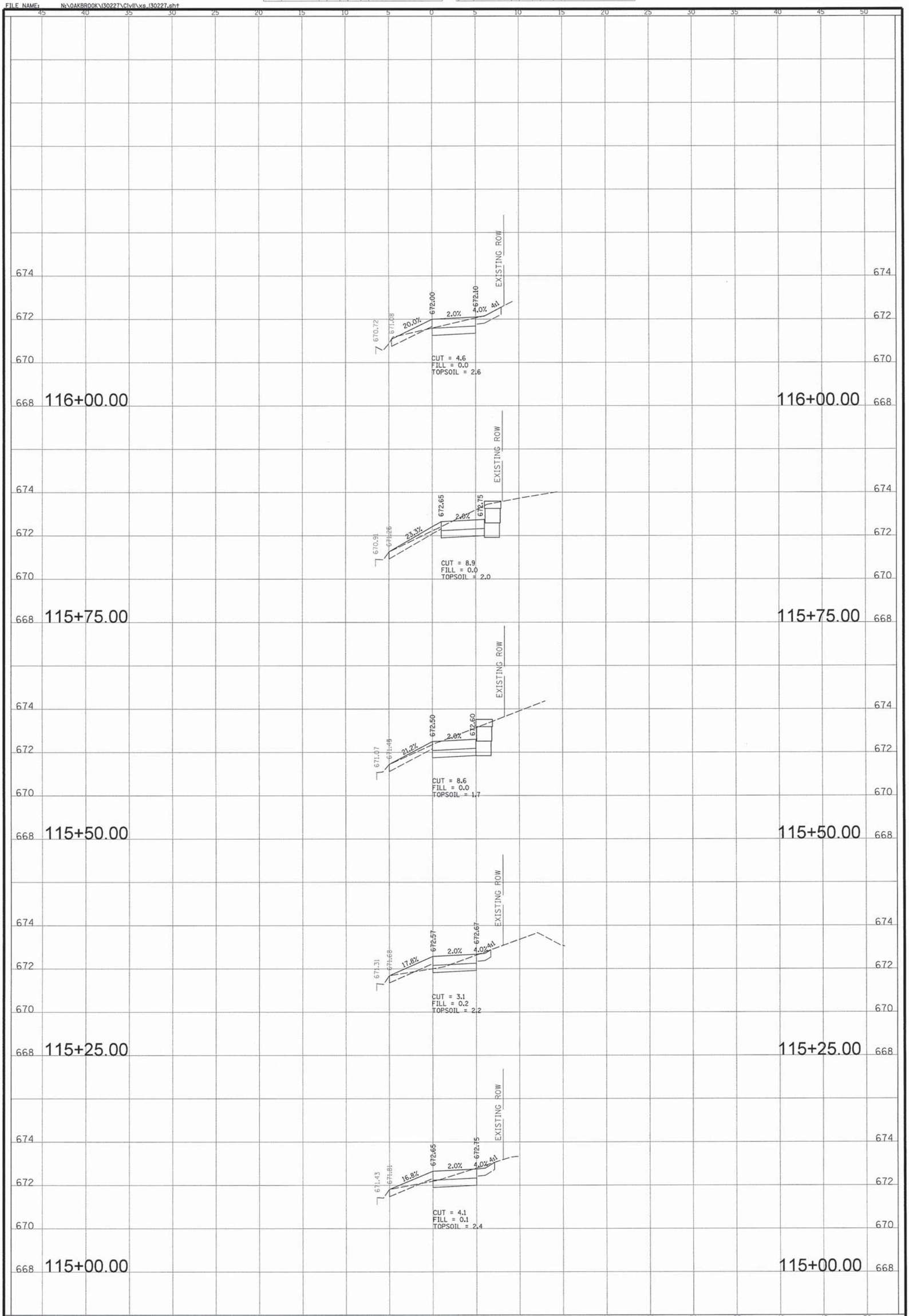

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DSGN.	OG
DWN.	PMM
CHKD.	LMF
SCALE:	HORZ. 5 VERT. 2
PLOT DATE:	1/31/2014
CAD USER:	pmagnelli
MODEL:	Default

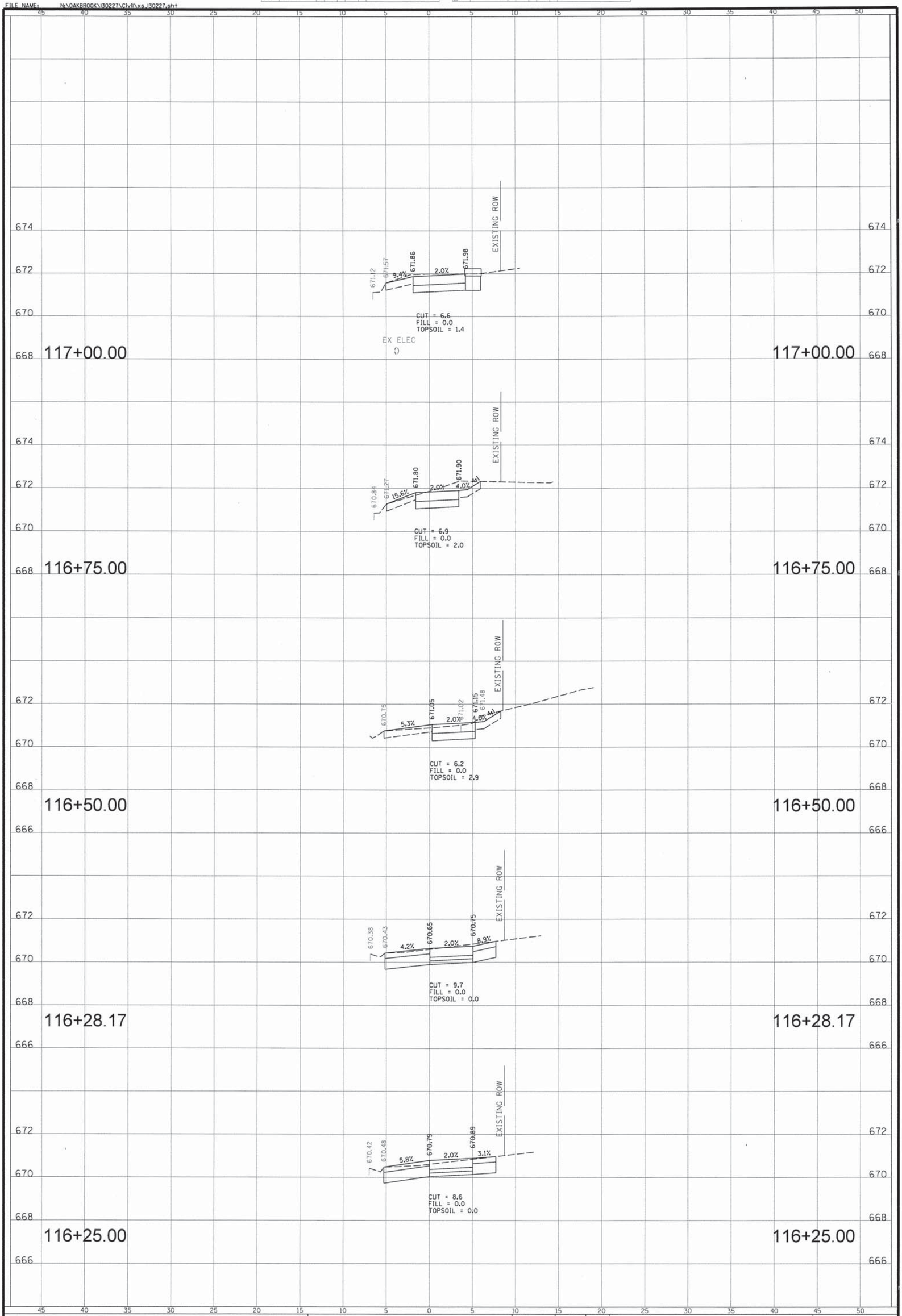
N:\OAKBROOK\130227\Civil\xs_130227.sht

TITLE:

COMMERCE DRIVE SIDEWALK
STA. 115+00.00 – STA. 116+00.00

CONTRACT NO. 61A12
DATE: 01-10-14
SHEET 25 OF 27
DRAWING NO.
XS14

FILE NAME: N:\OAKBROOK\130227\Civil\xs.130227.sht



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DSGN.	OG
DWN.	PMM
CHKD.	LMF
SCALE:	HORZ. 5 VERT. 2
PLOT DATE:	2/6/2014
CAD USER:	pmagnelli
MODEL:	Default

N:\OAKBROOK\130227\Civil\xs.130227.sht

TITLE:

COMMERCE DRIVE SIDEWALK
STA. 116+25.00 – STA. 117+00.00

CONTRACT NO. 61A12
DATE: 01-10-14
SHEET 26 OF 27
DRAWING NO.
XS15

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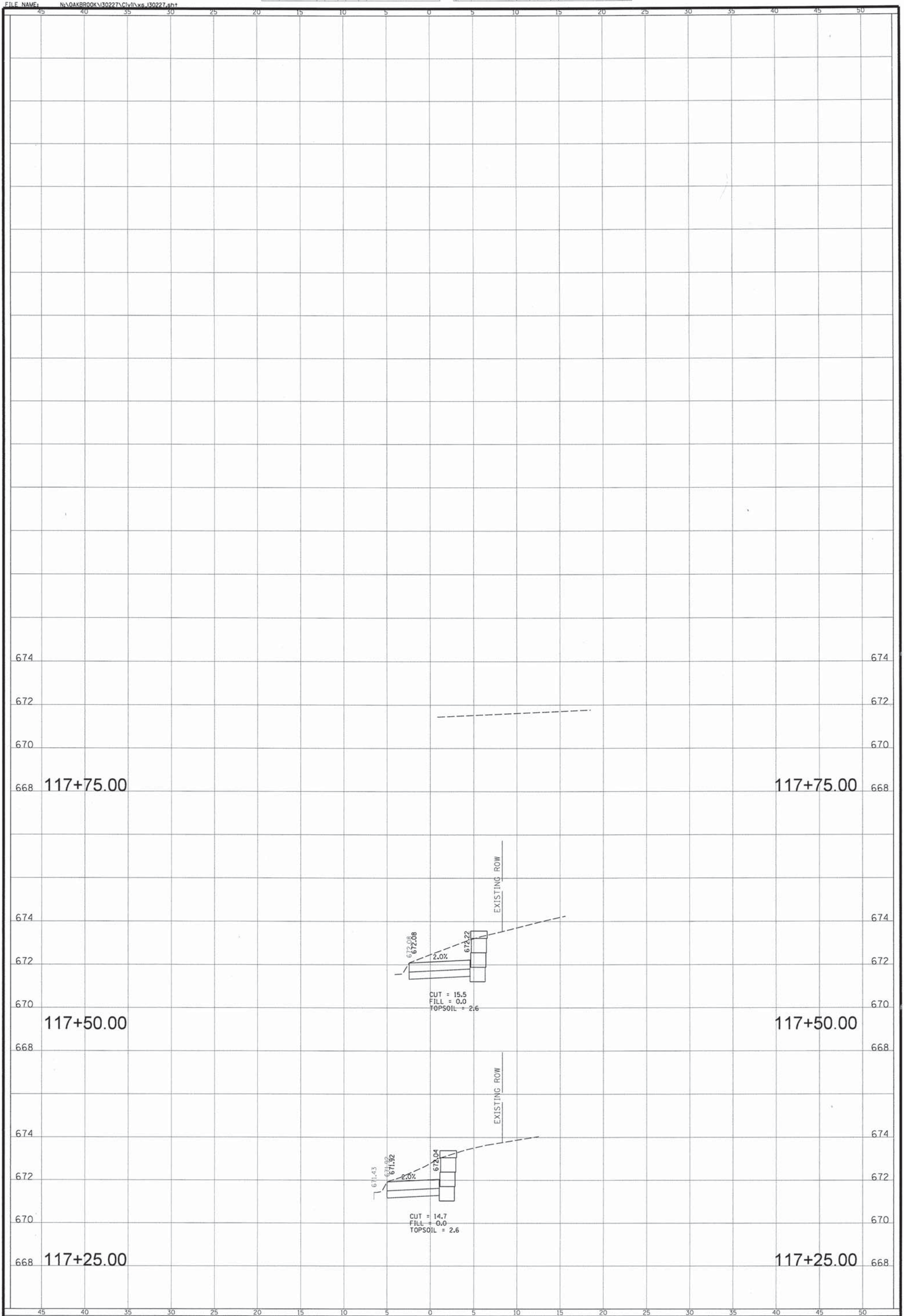

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

CLIENT:
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DSGN.	OG
DWN.	PMM
CHKD.	LMF
SCALE:	HORZ. 5
	VERT. 2
PLOT DATE:	2/6/2014
CAD USER:	pmagnell
MODEL:	Default

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TITLE:
COMMERCE DRIVE SIDEWALK
STA. 117 + 25.00 – STA. 117 + 75.00

CONTRACT NO. 61A12
DATE: 01-10-14
SHEET 27 OF 27
DRAWING NO.
XS16