					EVDITIMODA					Т
	1		2	3	EARTHWORK 4	5	6	7	8	\pm
	LOCATION		EARTH EXCAVATION	ROCK EXCAVATION	UNSUITABLE OR UNSTABLE MATERIAL	SUITABLE EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTH BALANCE WASTE(+) OR SHORTAGE(-)	TOPSOIL EXCAVATION & PLACEMENT	
STATION	T0	STATION	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	\pm
RBAN GRUNDY										ST
L 47 6032+87	TO	6105+96	2910	1	728	1637	1362	275		Ŧ
		6103436	2910		120	1631	1362	215		t
ROLOGIS PRKW 1603+02	Y . TO	1604+93	185		46	104	18	86		Ė
TAGE 2 _ 47										
6029+00	TO	6112+56	24560		15403	6868	24033	-17165	3037	-
RANVILLE RD. 100+52	ТО	107+21	2176		309	1401	56	1345	314	
TAGE 3 L 47										
6027+00	ТО	6205+20	50413		38030	9287	126640	-117353	7228	
ROLOGIS PRKW 1604+20	Y . T0	1605+50	46		10	27		27	2	
ELSON RD. 200+49	ТО	200+40	1900		1672	171	490	_310	392	-
	10	208+48	1900		1672	171	490	-319	382	
300+00	ТО	308+95	1747		228	1139	310	829	278	
INOOKA RD. 403+58	ТО	408+59	476		1	357	380	-23	158	
TAGE 3A										
ROLOGIS PRKW 1605+00	Y. T0	1605+50	28		7	16		16		
TAGE 3B	Υ									
1603+02	TO TO	1605+50	4		-19	-11	84	-95	26	1
TAGE 4 L 47										
6100+00	TO	6205+20	17689		1349	12255	66391	-54136	7584	
INOOKA RD. 409+38	TO	416+53	1356		955	301	740	-439	345	1
UR	BAN GRUND	Y SUB-TOTAL			58718	33551	220504	-186953	19354	7
URAL GRUNDY TAGE 3			200.00			3333			1 2333	
47 6205+20	TO	6257+48	24557		18550	4506	35565	-31059	2328	-
HERRILL RD.				1						1
500+88	TO	508+59	460		-191	202	2810	-2608	408	1
TAGE 4 L 47										1
6205+20	TO	6257+48	7852		-1665	4640	38446	-33806	4837	
509+39	TO	516+08	1864		1447	313	1748	-1435	287	-
RU	RAL GRUND	Y SUB-TOTAL	34733		18141	9661	78569	-68908	7860	-
URAL KENDALL										_
L 47 6282+03	TO	6292+78	409		102	230	248	-18		
TAGE 3										-
L 47 6257+48	TO	6277+00	14587	570	7822	5644	22776	-17132	1985	
B CONNECTOR 22+00	ТО	37+09	2561		1464	823	1865	-1042	390	-
	10	JITUJ		A CONTRACTOR OF THE CONTRACTOR						

SUITABLE EXCAVATION UNSUITABLE EARTH BALANCE TOPSOIL FARTH ROCK OR UNSTABLE MATERIAL WASTE(+) OR SHORTAGE(-) EXCAVATION & PLACEMENT LOCATION EMBANKMENT EXCAVATION EXCAVATION SHRINKAGE NOITA TO STATION CU YD TO 1370 -204 729 57+48 6266+00 874 6059 -5185 RURAL KENDAL 18927 9184 7571 30948 -23377 3104 570 86043 50783 TOTAL 157150 330021 -279238 30318 USE PAY ITEM TOTALS BELOW

EARTHWORK

INFORMATION:

RINKAGE FACTORS: EARTH EXCAVATION: ROCK EXCAVATION

25% 0%

UC = UNDERCUT (FROM CROSS-SECTIONS) C = CUT (FROM CROSS-SECTIONS)

TSE = TOPSOIL STRIPPING & EARTH EXCAVATION TSP = TOPSOIL EXCAVATION & PLACEMENT (COLUMN 8)

UMN 1 - LOCATION FROM PLANS

UMN 2 - CUT QUANTITIES FROM CROSS SECTIONS (C + TSE + UC) MINUS TOPSOIL EXCAVATION & PLACEMENT (TSP)

UMN 3 - QUANTITIES FROM CROSS SECTIONS

UMN 4 - CUT MATERIAL THAT IS DETERMINED TO BE EITHER UNSTABLE OR UNSUITABLE FOR USE IN EMBANKMENT

= UNDERCUT (UC) + [CUT (C) X 25%]+ [TOPSOIL STRIPPING & EARTH EXCAVATION (TSE) - TOPSOIL EXCAVATION & PLACEMENT (TSP)] JMN 5 - = [(COLUMN 2 - COLUMN 4) × (1-EARTH EXCAVATION SHRINKAGE FACTOR) + COLUMN 3 X (1-ROCK EXCAVATION SHRINKAGE FACTOR)]

UMN 6 - QUANTITIES FROM CROSS SECTIONS

HMN 7 - = COLHMN 5 - COLHMN 6

UMN 8 - QUANTITIES FROM CROSS SECTIONS, THESE QUANTITES ARE NOT INCLUDED IN EARTH EXCAVATION OR EMBANKMENT

PAY ITEMS:

UMN #2 IS EARTH EXCAVATION = 157150CU YD UMN #3 IS ROCK EXCAVATION = 570CU YD UMN #4 IS REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 86043CU YD UMN #7 IS FURNISHED EXCAVATION = 279238CU YD UMN #8 IS TOPSOIL EXCAVATION & PLACEMENT = 30318CU YD

THE TOP 12 INCHES OF THE EXISTING SOILS WITHIN THE LIMITS OF THE PROPOSED PAVEMENT SHALL BE REMOVED (TSE) AS SHOWN IN THE CROSS TIONS. THIS WORK SHALL BE PAID FOR AS EARTH EXCAVATION, OR IF USED FOR TOPSOIL PURPOSES, TOPSOIL EXCAVATION AND PLACEMENT (TSP).

ALL SOILS SHALL BE TESTED BEFORE BEING INCORPORATED INTO THE NEW EMBANKMENT. THE ENGINEER RESERVES THE RIGHT TO RE-CLASSIFY ANY THE UNSUITABLE MATERIAL AND USE IT AS EMBNAKMENT MATERIAL FOR SIDESLOPES OR IN SOD COVERED RAISED MEDIANS.

THE EXISTING SUBGRADE SOILS MAY BE PRONE TO SWELLING UPON WETTING. THEREFORE, AT LOCATIONS WHERE NEW EMBANKMENT FILL HEIGHT IS ATER THAN 2 FEET AND LESS THAN 8 FEET, THE TOP 6 INCHES OF SUBGRADE SOILS SHOULD BE DISKED, DRIED, AND RECOMPACTED BETWEEN +2% AND OF THE OPTIMUM MOISTURE CONTENT AND BETWEEN 90% AND 95% OF THE STANDARD DRY DENSITY.

BASED ON SOIL BORINGS, 25% OF THE EXCAVATED SOILS (BELOW THE 12" TSE) THROUGHOUT THE PROJECT AREA ARE EXPECTED TO HAVE HIGH
ISTICITY (LL AND PI) AND MAY BE PRONE TO SWELLING UPON WETTING. THESE SOILS ARE ASSUMED TO BE UNSUITABLE MATERIAL FOR EMBANKMENT
IS SHOULD NOT BE USED AS EMBANKMENT FILL UNLESS THEY HAVE LL LESS THAN 50%, PI BETWEEN 12% AND 20%, A MAXIMUM DRY DENSITY GREATER
IN 90 PCF, AND ORGANIC CONTENT LESS THAN 10%.

		IEN	/IPORAR	Y EROSIO	N CONTROL S	SEEDING		
STATION +/-	то	STATION +/-	SIDE	SEEDING CLASS 7	POUNDS PER APPLICATION	NUMBER OF APPLICATIONS	TOTAL	MULCH, METHOD 2
				ACRES	PER ACRE	ALLEGATIONS	POUND	ACRE
URBAN GRUNDY								
6027+00.00	TO	6205+17.00	LT & RT	39, 27	100	1	3927	39, 27
STAGE 1								
6038+00.00	TO	6104+00.00	LT	0, 80	100	1	80	0.80
STAGE 3								
6105+00.00	TO	6205+00.00	RT	3, 10	100	1	310	3, 10
					LIDDANI	DUNDY CUD TOTAL	4747	47.05
					URBAN	GRUNDY SUB-TOTAL	4317	43, 25
RURAL GRUNDY								
6205+17,00	TO	6257+48.00	LT & RT	16.44	100	1	1644	16, 44
STAGE 3								
STAGE 3 6206+00.00	TO	6257+47.00	RT	1.50	100	1	150	1.50
	ТО	6257+47.00	RT	1,50		1 GRUNDY SUB-TOTAL	150 1794	
6206+00.00		6257+47.00	RT	1.50		<u> </u>		1,50
6206+00.00	L				RURAL (GRUNDY SUB-TOTAL	1794	18.00
6206+00.00		6257+47, 00 6277+00, 00	RT RT	1.50 8.65		<u> </u>		
6206+00.00	L				RURAL (GRUNDY SUB-TOTAL	1794	18,00
6206+00.00 RURAL KENDAL 6257+48.00	L				RURAL (GRUNDY SUB-TOTAL	1794	18,00
6206+00.00 RURAL KENDAL 6257+48.00 STAGE 3	L	6277+00, 00	LT & RT	8. 65	RURAL (GRUNDY SUB-TOTAL	1794	18.00

FILE NAME = DRAWN - SRH/RMD V:\3195\66B83 (South Section)\CADD Sheets\D366B83-sht-schedule-3.dgr REVISED CHECKED -DJD REVISED DATE REVISED PLOT DATE = 8/6/2013 7/15/2013

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

		SC	CHEDU		RTE. 47		ΓIES	
SCALE: N/A	SHEET	3	OF	55	SHEETS	STA.	N/A	TO STA. N/A

			CONTRACT	NO. 6	6B
326	(110)R, BR	& BR-1	GRUNDY	644	-
F.A.F RTE.	· SEC	TION	COUNTY	TOTAL SHEETS	SH N