CODE COMPLIANCE DATA

Sec. 13-443 Minimum Landscape Requirements for Zoning Districts
(2) I tree + 6 shrubs / 2000 SF of plot area

Plot area	2Ø5,939 SF	- / 2 <i>000</i> =	•		103 trees required
					123 trees provided
					1 pine tree existing to remain
				2 sabal	l palm's existing to be relocated
Plot area	2Ø5,939 SF	1 2000 =	= 1Ø3 x		618 shrubs required
	•				1213 shrubs provided

	1213 shrubs provided
(7) Special Provisions d. Landscaping is required within the front a walkway area of residential buildings. Each linear feet requires 1 tree + 10 shrubs or 1 30 ground cover	ch 40
<u>Building A</u> 234' / 40 =	6 trees required 6 trees provided 60 shrubs required 60 shrubs provided and 180 groundcover required
Building B 265' / 40 =	180 groundcover provided T trees required T trees provided
	70 shrubs required 70 shrubs provided and 210 groundcover required
Building C 265' / 40 =	210 groundcover provided T trees required T trees provided T0 shrubs required
	70 strubs provided and 210 groundcover required 210 groundcover provided
<u>Building D</u> 234' / 40 =	6 trees required 6 trees provided 60 shrubs required 60 shrubs provided
Dulleting F. 0.4ll / 40	and 180 groundcover required 180 groundcover provided
<u>Building E</u> 241' / 40 =	6 trees required 6 trees provided 60 shrubs required 60 shrubs provided and
	180 groundcover required 180 groundcover provided
<u>Building F</u> 198' / 40 =	5 trees required 5 trees provided 50 shrubs required 50 shrubs provided and
	150 groundcover required 150 groundcover provided
Building G 209' / 40 =	6 trees required

5 trees required 5 trees provided Building | 201' / 40 = 50 shrubs required 50 shrubs provided 150 groundcover required 150 groundcover provided 5 trees required 5 trees provided Building J 201' / 40 = 50 shrubs required 50 shrubs provided

60 shrubs required 60 shrubs provided

4 trees required 4 trees provided

40 shrubs required 40 shrubs provided

180 groundcover required 180 groundcover provided

120 groundcover required 120 groundcover provided

150 groundcover required 150 groundcover provided

4 trees required 4 trees provided 40 shrubs required

Building K 166' / 40 =

f. 15' radius clear zone for lights g. Recreation areas shall be landscaped in accordance with commercial standards (each 40' around building requires I tree + 20 shrubs + 30 groundcover)

Building H 166' / 40 =

100' / 40' = 1.8 = 3 trees required 3 trees provided 50 shrubs required $2.5 \times 20 =$ 50 shrubs provided 75 groundcover required 75 groundcover provided $2.5 \times 30 =$ East Property Line 1 tree / 40' = 520 / 40 = 13 trees required 13 trees provided 520 / 2 =

South Property Line 392'/40 = 10 trees required 10 trees provided 196 hedge required 216 hedge provided a. 1 tree / 10 parking spaces 25 spaces / 10 = 3 trees required 3 trees provided (12) b. Interior landscape requirements for VUAs 1 SF of landscape area for each 100 SF of

1 SF of landscape and paved area paved area 84691 SF of drive aisle + guest parking / 100 = 847 SF x 1 = 847 SF of landscape area required in excess of 1000 SF of landscape area provided

(13) Street Trees (plant in row if possible)
1 tree / 40' (If overhead powerlines, I tree / 30') Hillsboro (includes corner clip)
406' / 40 = <u>NW 5ist Terrace</u> 491' / 40 = 13 trees required

(14) <u>Sight Triangles</u>
a. 10' x 10' (accessway & row)
b. 40' x 40' (2 rows) (15) <u>Roadway Buffer Standards</u>
a. Widths must conform to 13-331 g.
b. Roadway landscape buffers shall be shown as

separate parcels on plats and site plans c. Required landscaping within buffers Meandering 4 undulating berms
 Trees | 1 tree / 2000 SF If FP\$L, I tree / 1000 SF 3. Palma 3 to 1 for each required shade tree except Royals, Dates, Coconuts 4 Bismarks

4. Hedges 24" ht., 18" o.c. 5. Shrubs 40 shrubs / 2000 SF

Hillsboro Blvd. Roadway Buffer (includes corner clip) 406' x 25 = 10,150 25' wide platted buffer required 1 tree / 2000 SF 10,150 SF / 2000 : 6 trees required

203 hedge required 204 hedge provided Shrubs 5.1 x 40 = 204 shrubs required 239 shrubs provided 271 groundcover required 271 groundcover provided

9,820 SF / 2000 =

5 trees required 246 hedge required 252 hedge provided 246 shrubs required Shrubs 252 shrubs provided 328 groundcover required 328 groundcover provided

Total Trees Required Total Trees Provided 228 required (includes all trees and palms @ 3 to 1. 50% of plant material must be native (excluding groundcover)

Trees provided 189 x 50 = 95 native trees required 189 native trees provided 88 native palms required Palms provided 176 (59 @ 3 to 1) x 50 = 37 native palms provided 2 native palms relocated 40% of required shade/canopy trees 92 required

30% of required intermediate trees (includes intermediate and shade trees, Palme - 3 to 1 - 50% max of total trees required 114 palms indicated on plan indicat

Total shrubs and hedges required = Shrubs & hedge provided 5350 x .50 =

Achieve 40% tree canopy coverage throughout the City with maximum tree coverage on public and private land by 2020: Site = 205,939 sq. ft. x 40% = * Based upon category I trees @ 300 sq. ft. per tree, category 2 trees @ 150 sq. ft. per tree and palms @ mature spreads.

Mitigation Trees

Mitigation trees required - 25 trees required

Mitigation trees provided - 25 trees provided (not included in ANY catogory above)

COCONUT CREEK STANDARD LANDSCAPE COMMENTS

THE NOTES BELOW SUPERSEDE AND OVERRIDE OTHER NOTES AND SPECIFICATIONS

Coconut Creek Standard Landscape Comments

For all landscape plans and specifications All landscape and specifications shall meet or exceed the minimum requirements as provided in the City of Coconut Creek Land All planting material shall meet or exceed Florida Grade #1 as specified in Grades and Standards for Nursery Plants, current edition.

69 required

2633 shrubs and hedge required

2675 native hedge required 2900 native hedge provided

Landscape shall be placed to edge of abutting streets, canals, lakes or other lands. . All mechanical equipment, air conditioning, irrigation pump stations and equipment, FPL transformers, pool pumps, etc., must be screened on three (3) sides by landscape shrubs. NOTE: The quantity of screening shrubs is in addition to the required number of shrubs as provided in the code calculation table. All

screening shrubs shall be planted for proper operation of equipment being screened and/or per the requirements of the utility as necessary. All hedge material required for screening purposes shall be planted with branches touching. Adjust on center spacing as necessary and/or provide additional plants to provide an adequate screen. 5. Site distance concerns must be maintained for clear site visibility from thirty (30) inches to seventy-two (72) inches, tree trunks excluded.

Measurement shall be made from top of root ball planted at proper elevation. Guying/staking practices shall not permit nails, screws, wires, etc., to penetrate outer surfaces of trees, palms or other plant material. Trees, palms and plant material rejected due to this practice shall be replaced with the inspector on site. Burlap material, wire cages, plastic/canvas straps, etc., must be cut and removed for the top one-half (1/2) depth of the root ball. Trees and

shrubs grown in grow bags or grow bag type material must have such material REMOVED ENTIRELY prior to planting the tree or shrub. 3. All plant material shall be free of pests, insects, disease, weeds, etc. 9. All plant material shall be planted at the proper depth, as originally grown and/or so the top of the root ball is flush or slightly above finished

grade immediately after planting. All trees should provide trunk taper when properly planted at the correct planting depth. 10. All plant material shall be watered in at time of planting to eliminate air pockets in the root zone area. 11. Upon completion of work, the site shall be cleared of all debris, superfluous materials, and equipment caused by this permit to the

satisfaction of the inspector. 12. Refer to Coconut Creek Fire Hydrant Clear Zone diagram to maintain a safe zone fronting fire hydrants.

13. Do not plant trees, shrubs or ground cover plants within Electric Meter Clear Zone. Provide a safe zone as described by the Electrical 14. All landscaped areas shall be provided with an underground fully automatic irrigation system using pop-up sprinklers. System shall provide

100% coverage with a 50% overlap (minimum) using rust free water, except preserved areas remaining in natural state. A rain sensor device or switch shall be installed that will override the irrigation system when adequate rainfall has occurred. Water shall not be directed and/or provided onto impervious surfaces and/or be designed or installed to throw water over an impervious surface such as a sidewalk, etc. Hours of operation for all irrigation systems shall be limited to 5:00 pm to 8:00 am only or as may be further restricted by South Florida Water Management District or other jurisdictional agency.

15. Irrigation permits and plans shall be submitted for approval at time of building permits. 16. All non single family or duplex irrigation systems other than City water systems shall require a South Florida Water Management District water use permit prior to issuance of an irrigation permit and installation of the irrigation system as required. 17. All site amenities to include site street lights, landscape common open space, irrigation common open space, buffers, berms, landscape entry features, etc. leading up to and including the model center and/or first certificate of occupancy must be completed and functional prior to

issuance of the first requested certificate of occupancy. 18. The height of all required, designed and installed berms shall be from the highest adjacent point whether it is the sidewalk, parking area, vehicular use area, surrounding ground, etc. Where a berm abuts a sidewalk, there shall be a one (1) foot level sod area adjacent to the sidewalk prior to the start of incline for the berm.

NOTE: THIS COMMENT SHEET IS TO BE PLACED ON ALL LANDSCAPE PLANS "AS - IS".

5-18-98\\Pdc\data\Documents\Development Services\Building & Zoning & Code Enforcement City Forester\L S Commts\LSCommnt.doc

PLANT LIST - Trees

<u>SYM</u> CE	BOTANICAL/COMP Conocarpus erect Green Buttonwood	tus	<u>SPECIFICA1</u> 12' ht. × 6' s 2" cal.	
co	Chrysophyllum oliv Satin Leaf	riforme	12' ht. x 6' s 2" cal.	pr., 15
IA	liex attenuata East Palatka Holig	¥	12' ht. x 6' s 2" cal.	ppr., I
IC	llex cassine Dahoon Holly		8' ht. \times 4' spin 1 2" cal.	or., §
MG	Magnolia grandifl Southern Magnolia		12' ht. x 5' s 2" cal.	pr., 28
PB	Persea borbona Florida Red Bay		8' ht. x 4' s 1½" cal.	or., le
PI	Pinus elliotti Slash Pine		oa. hts. as r on plans	noted 46
QV	Quercus virginians Live Oak	1	i2' ht. x 6' s 2" cal.	pr., 48
		quantity of single s	oecies not t	TOTAL = 189 o exceed 25% = 48

ANT LIST - Palms 16' oa. ht., 8' min. c.t., Archontophoenix alexandrae 16' oa. ht., 8' min. c.t., double trunk 10' c.t. Phoenix sulvestris oa. hts. as noted on plan, booted Vietechia montgomeryana Montgomery Palm 16' oa. ht., 8' min. c.t., 8' min. c.t.

PLANT LIST - Mitigation Trees

quantity of single species not to exceed 25% = 4

total palms @ 3 to 1 = 59

<u> </u>	BOTANICAL/COMMON NAME	SPECIFICATIONS	<u>aty</u>
co	Chrysophyllum oliviforme Satin Leaf	12' ht. × 6' spr., 2" cal.	5
IA	llex attenuata East Palatka Holly	12' ht. × 6' spr., 2" cal.	6
PI	Pinus elliotti Slash Pine	oa. hts. as noted on plans	8
TD	Taxodium distichum Bald Cypress	12' ht. x 6' spr., 2" cal.	6
			TOTAL = 25

EXISTING TREE PROTECTION NOTES

<u>SEC. 13-448 (N)</u>

(n) Protection from construction work. During any construction, land development or lot clearing, the contractor and the owner of the property subject to this section shall adhere to the requirements which follow:

(1) Place and maintain protective barriers around the drip line of all trees to be retained on the site to prevent their destruction or damage. The protective barriers shall be at least four (4) feet in height and conspicuously colored to be seen easily by operators of trucks and other equipment. Protective barriers shall be constructed of sturdy material (not flagging or ribbons) and shall be installed prior to and during construction and/or land development;

(2) Not store or use materials or equipment within the drip line of any tree to be retained on site unless the activity is being done to protect trees;

Not discharge or contaminate the soil within the drip line of any tree to be retained on site with any construction materials such as paint, oil, solvents, petroleum products, asphalt, concrete, mortar, or other materials that may cause adverse impacts;

(4) Clearing of vegetation within the dripline of trees designated for preservation shall only be by hand or light rubber wheeled equipment that will not damage tree roots; said equipment shall be a maximum of forty-eight (48) inches wide, tire to tire, with a maximum weight of three thousand five hundred (3,500) pounds;

(5) Utilize retaining walls and drywells where needed to protect trees to be preserved from severe grade changes;

(6) Pruning of trees to be preserved shall be in accordance with the standards for pruning established by ANSI A-300.

(7) Make no attachments, other than those of a protective and nondamaging nature, to any tree to be retained on the site;

(8) Not change the natural grade above the root system within the drip line of any tree to be retained on site unless it can be demonstrated to the city that it will not damage any tree;

(9) Avoid any encroachments, excavations or severe grade changes within the drip line of preserved trees unless it can be demonstrated to the city that it will not impact any tree; and

ELANT LIST -

Groundcover

<u>SYM</u> ANN	BOTANICAL/COMMON NAME Annuals to be selected by Landscape Architect	<u>SPECIFICATIONS</u> 4" pots, 12" o.c.	<u>QT</u> 6:
ARI	Aristidia stricta Wire Grass	12" ht. x 10" spr., 18" o.c.	15
ASP	Asparagus dens. myers Foxtail Asparagus	12" ht. x 12" spr., 18" o.c.	58
DIA	Dianella tasmanica Blueberry Flax Lily	12" ht. x 12" spr., 18" o.c.	74
DUR	Duranta erecta Gold Mound	12" ht. x 12" spr., 24" o.c.	16
ERN	Ernodea littoralis Golden Creeper	12" ht. x 10" spr., 18" o.c.	6
LIR	Liriope evergreen giant Giant Liriope	12" ht. x 10" spr., 18" o.c.	284
50D	Stenotaphrum secundatum St. Augustine Floratam	full, fresh sod	as req

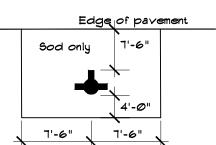
PLANT LIST - Shrubs

\overrightarrow{S}	<u> </u>	411 [15 =	<u> </u>	
	SYM	BOTANICAL/COMMON NAME	SPECIFICATIONS	Q
	ALA	Pentalinon luteum Wild Allamanda	6' ht., trellis	
	BOU	Bougainvillea spp. Bougainvillea	6' ht., trellis	
	cc	Capparis cynophallophora Jamaica Caper	5' ht. x 3' epr.	
	CHR	Chrysobalanus icaco Red Tip Cocopium Hedge	24" ht. × 18" spr., 24" o.c.	3
	CHRI	Chrysobalanus icaco Red Tip Cocopium Hedge	42" ht. x 24" spr., 24" o.c.	
	COD	Codiaeum varigatum Mammey Crotone	18" ht. × 18" spr., 24" o.c.	
	CTI	Cordyline terminalis Hawaiian Ti Plant	4' ht., 3 ppp	
	FIG	Ficus microcarpa Green Island	12" ht. x 10" spr., 18" o.c.	le
	FOR	Foresteria segregata Florida privet	24" ht. × 18" spr., 24" o.c.	2
	HAM	Hamelia patens 'compacta' Dwarf Firebush	24" ht. x 18" spr., 24" o.c.	2
	HIB	Hibiscus spp. Hibiscus Hedge	24" ht. x 18" spr., 24" o.c.	
	ILE	llex vomitoria Dwarf Yaupon	12" ht. x 12" spr., 18" o.c.	3:
	ILG	llex glabra Gallberry	18" ht. x 18" spr., 24" o.c.	
	JH	Jatropha spp. Jatropha Std.	5' ht. x 3' spr., standard	
	LIV	Ligustrum sinense 'variegatum' Variegated Ligustrum	24" ht. x 18" spr., 24" o.c.	2
	MUH	Muhlenbergia capillaris Muhly Grass	12" ht. x 10" spr., 18" o.c.	3
	MYR	Rapanea punctata Myrsine	24" ht. x 18" spr., 24" o.c.	
	PHO3	Phoenix roebelinii Pygmy Date Palm	5' ht., triple trunks	
	PLE	Draceana reflexa Pleomele	4' ht., 3 ppp	
	POD	Podocarpus macrophyllus Podocarpus Hedge	24" ht. × 18" spr., 24" o.c.	3
	PODI	Podocarpus macrophyllus Podocarpus Hedge	42" ht. × 24" spr., 24" o.c.	
	₽LU	Plumbago auriculata Plumbago	18" ht. x 18" spr., 24" o.c.	
	RAP	Rapanea punctata Myrsine	24" ht. x 18" spr., 24" o.c.	2
	SCH	Schefflera arboricola Variegated Trinette	24" ht. x 18" spr., 24" o.c.	2
	SER	Serenoa repens Saw Palmetto	18" ht. x 18" spr., 24" o.c.	
	THR	Galphimia gracilis Thryallis	24" ht. x 18" spr., 24" o.c.	1:
	TRI	Tripsacum dactyloides Fakahatchee Grass	24" ht. x 18" spr., 24" o.c.	
	YIO	Viburnum obovatum Walters Viburnum	24" ht. × 18" spr., 24" o.c.	4
				53

quantity of single species not to exceed 25% = 1386

FIRE HYDRANT CLEAR ZONE

SCALE: N.T.S.



Requirements apply to fire hydrants, siamese connections and any other fire equipment for utilizing fire hose on public or private property. The diagram shall appear on all landscape plans

prior to approval. The clear zone shall be free of landscape (except sod), mailboxes, parking, lamp-posts and all other objects (exceptions: other fire fighting equipment, or traffic posts to protect fire fighting

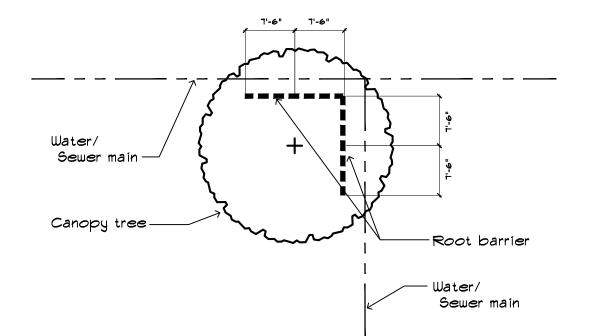
EXISTING TREE LIST

CODE	NA 145	DOTANGOLI	UETCUT (A)	WIDTH (6)	DDU (i=)	REPLACEMENT CANOPY	CTA TIK
CODE	NAME Cocoput Polm	BOTANICAL Coggo pugifora	HEIGHT (ft)			AREA (S.F.)	STATUS
7558	Coconut Palm Coconut Palm	Cocos nucifera Cocos nucifera	25 20	18 18	12 12	100 100	remo
7559	Lead Tree	Leucaena leucocephala	20	10	10	n/a	remo
7560	Sabal palm	Sabal palmetto	20	10	16	n/a	reloca
,,,,,,,	Brazilian Pepper	Sabar parricteo	20	10	10	174	reloca
	Tree w/Hong Kong						
7561	Orchid	Schinus terebinthifolius	18	30	36	n/a	remo
7562	dead					n/a	remo
	Sabal palm	Sabal palmetto	20	10	16	n/a	reloca
	dead					n/a	remo
7565	dead					n/a	remo
7567	Strangler fig	Ficus aurea	30	40	36	1256	remo
7568	Ficus Tree	ficus benjamina	30	40	36	1256	remo
	Pine Tree	Pinus elliotii	30	18	12	n/a	rema
	Pine Tree	Pinus elliotii	30	20	12	314	remov
	Pine Tree	Pinus elliotii	32	20	12	314	remov
7572	Pine Tree	Pinus elliotii	30	20	10	314	remov
	Pine Tree	Pinus elliotii	30	20	12	314	remo
		Leucaena leucocephala			16	n/a	remo
	Lead Tree	Leucaena leucocephala			16	n/a	remo
		Acada		40	36	n/a	remov
	Ficus Tree	Ficus benjamina	30	40	48	1256	remov
	Ficus Tree	Ficus benjamina	25	25	12	491	remov
7630	Ficus Tree	Ficus benjamina	35	20	24	314	remov
	Lead Tree Bishopwood	Leucaena leucocephala Bischofia javanica	35	20	24 18	n/a	remov
	Lead Tree	Leucaena leucocephala	33	20	18	n/a n/a	remov
	Silk Oak	Grevillea robusta	50	20	18	n/a	remov
	Lead Tree	Leucaena leucocephala	50	20	8	n/a	remov
	Lead Tree	Leucaena leucocephala			12	n/a	remov
	Lead Tree	Leucaena leucocephala			12	n/a	remov
	Senegal Date Palm	Phoenix reclinata	15	10	6 TRKS	100	remov
	Lead Tree	Leucaena leucocephala			6	n/a	remov
	and the same of th	Leucaena leucocephala			6	n/a	remov
7641	Lead Tree	Leucaena leucocephala			6	n/a	remov
7642	Lead Tree	Leucaena leucocephala			6	n/a	remov
7643	Lead Tree	Leucaena leucocephala			6	n/a	remov
7644	Lead Tree	Leucaena leucocephala			6	n/a	remov
	Lead Tree	Leucaena leucocephala			6	n/a	remov
	Lead Tree	Leucaena leucocephala			6	n/a	remov
	Lead Tree	Leucaena leucocephala			6	n/a	remov
		Leucaena leucocephala			6	n/a	remov
		Leucaena leucocephala			6	n/a	remov
7650	Lead Tree	Leucaena leucocephala			6	n/a	remov
7651	Lead Tree	Leucaena leucocephala			6	n/a	remov
	Lead Tree	Leucaena leucocephala			6	n/a	remov
	Lead Tree Lead Tree	Leucaena leucocephala Leucaena leucocephala	+	+	6	n/a n/a	remov
	Lead Tree	Leucaena leucocephala			6	n/a	remo
	Lead Tree	Leucaena leucocephala			6	n/a	remo
	Lead Tree	Leucaena leucocephala			6	n/a	remo
	Lead Tree	Leucaena leucocephala			6	n/a	remo
	Lead Tree	Leucaena leucocephala			6	n/a	remo
	Lead Tree	Leucaena leucocephala			6	n/a	remov
	Lead Tree	Leucaena leucocephala			6	n/a	remo
7662	Lead Tree	Leucaena leucocephala			6	n/a	remo
7663	Lead Tree	Leucaena leucocephala			6	n/a	remo
7664	Lead Tree	Leucaena leucocephala			6	n/a	remo
	Lead Tree	Leucaena leucocephala			6	n/a	remo
	Lead Tree	Leucaena leucocephala	1		6	n/a	remo
	Acacia	Acada			6	n/a	remo
	Bishopwood	Bischofia javanica	50	30	18	n/a	remo
	Bishopwood	Bischofia javanica	50	30	18	n/a	remo
the state of the state of	Strangler fig	Ficus aurea	40	25	24	491	remo
	Sabal palm	Sabal palmetto	18	10	12	n/a	rema
	Sabal palm	Sabal palmetto	18	10	12	n/a	rema
7690		Sabal palmetto	18	10	12	n/a	rema
7691		Sabal palmetto	18	10	8	n/a	rema
	Sabal palm	I	1	ĺ			I

project: in the pines coconut creek

7692 w/Acada

ALL LIMEROCK MUST BE EXCAVATED FROM PARKING ISLANDS TO A DEPTH OF TWO AND ONE-HALF (21/2) FEET AND BACKFILLED WITH THE SPECIFIED PLANTING MIX.



IF A TREE IS INSTALLED WITH LESS THAN 10 FEET OF SEPARATION FROM A WATER MAIN OR SERVICE AND/OR A SEWER MAIN OR SERVICE, THE CONTRACTOR SHALL INSTALL A ROOT BARRIER. THE BARRIER SHALL BE 15' IN LENGTH CENTERED ON THE TREE TRUNK AND INSTALLED PARALLEL TO THE UTILITY. WIDTH OF ROOT BARRIER IS TO BE INSTALLED 6" BELOW FINAL GRADE AND 12" BELOW UTILITY INSTALLED (THIS DOES NOT INCLUDE CONCRETE DRAINAGE PIPES MORE THAN 5'-0" DEEP).

ROOT BARRIER DETAIL N.T.S.

dave bodker landscape architecture/planning inc.

601 n. congress ave., suite 105-a delray beach, florida 33445 561-276-6311

> #LAOO00999 sheet title:

planting plan

project number: 3514 date: 6-4-14 scale: N.T.S. drawn by: jae

revisions: 7-31-14 per comments 10-23-14 per comments

sheet: