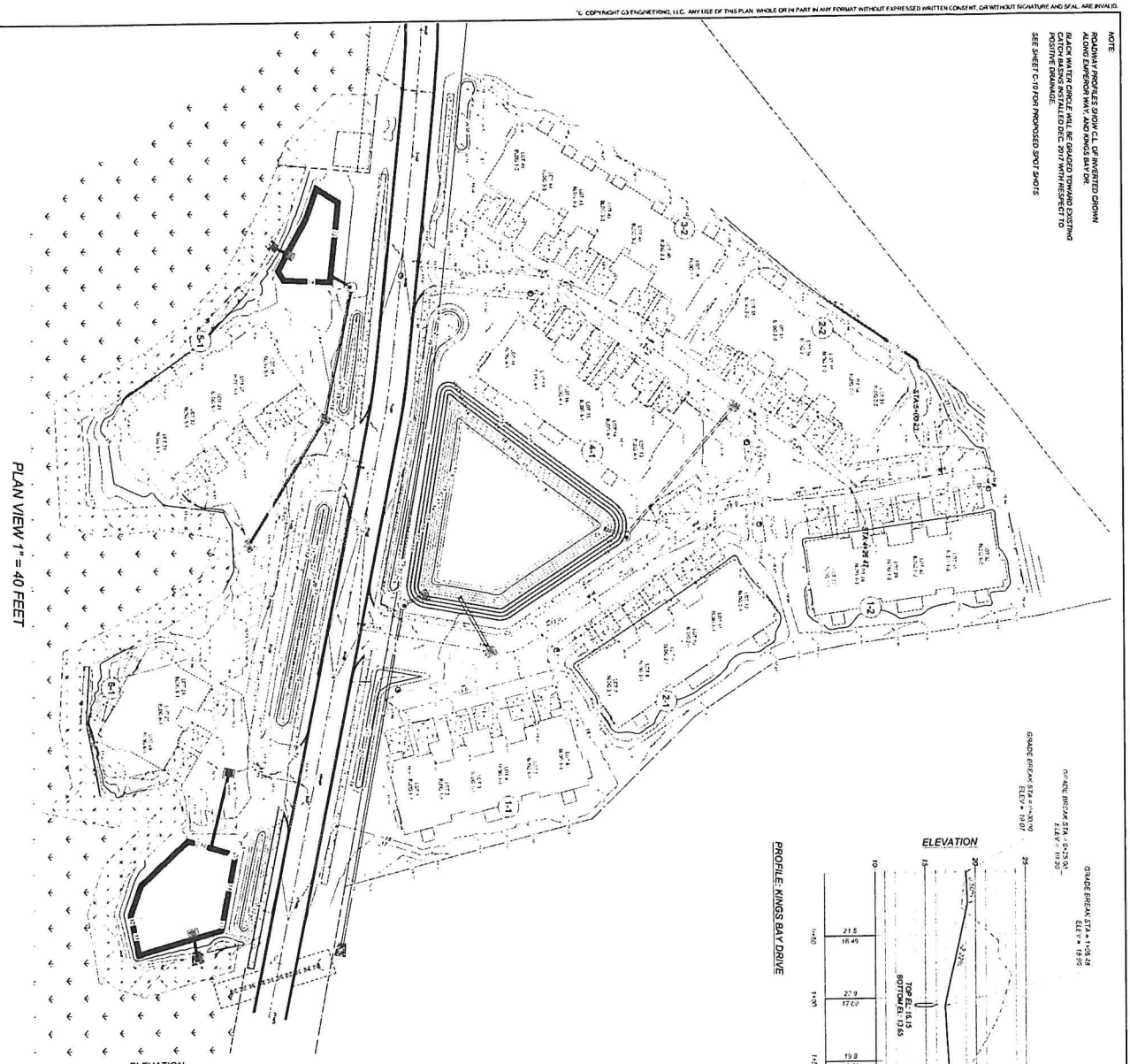
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NOTE

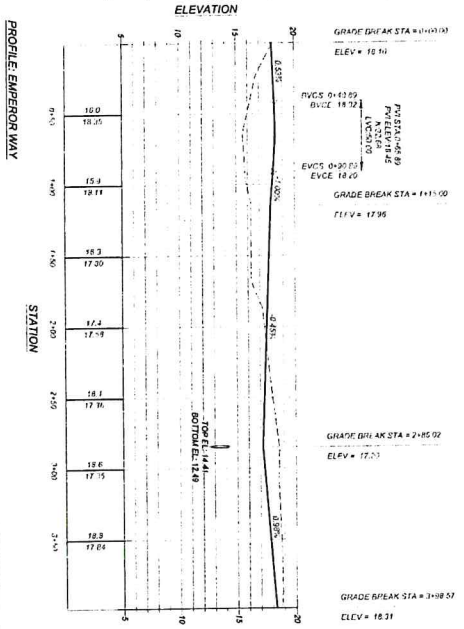
ROADWAY PROFILES SHOW C.L. OF INVERTED CROWN ALONG EMPEROR WAY AND KINGS BAY DR.

BLACK WATER CIRCLE WILL BE GRADED TOWARD EXISTING CATCH BASINS INSTALLED DEC. 2017 WITH RESPECT TO POSITIVE DRAINAGE.

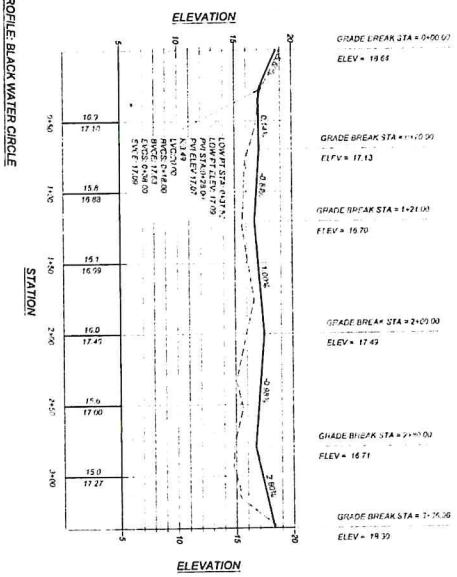
SEE SHEET C-10 FOR PROPOSED SPOT SHOTS



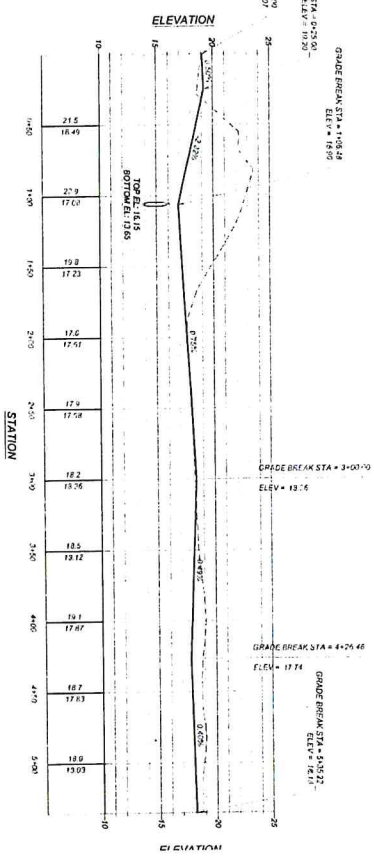
PROFILE: EMPEROR WAY



PROFILE: BLACK WATER CIRCLE



PROFILE: KINGS BAY DRIVE



SHEET	DESIGNED: JPC
C-12	DRAWN: JPC
	CHECKED: MAK
	APPROVAL: MAK
	DATE: 5/23/17

SCALE: 1" = 40 FEET (0, 20, 40, 80)

DYE CLUB TOWNHOMES

HORRY COUNTY, NORTH MYRTLE BEACH, SC

PREPARED FOR

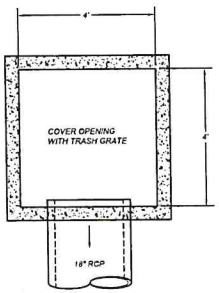
D.R. HORTON

ROADWAY PLAN / PROFILE

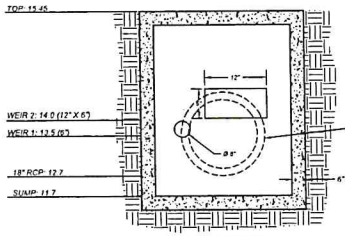
G3 ENGINEERING
P.O. BOX 2666
PAWLEYS ISLAND, SC 29585
PHONE: 843.237.1001
www.G3Engineering.org

NO.	REVISIONS	BY	DATE
5	GRADING CLEAN-UP	MAK	5/23/18
4	FEE SIMPLE LOT LINE ADJUSTMENTS	MAK	3/29/18
3	REV BLDG LAYOUT - DR HORTON	MAK	9/25/17
2	TEE OFF WATER SERVICES REMOVED - TRASH DETAIL	MAK	5/15/17
1	REV PER TRC COMMENTS	MAK	4/27/17

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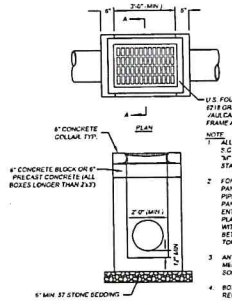


PLAN VIEW



FRONT VIEW

CS-1 | 10 | 13 — OUTLET CONTROL STRUCTURE DETAIL: CS- 04
SCALE: N.T.S.



U.S. FOUNDRY, USF - 4138 FRAME AND 6218 GRATE FOR JUNCTION BOX USE / IAULCAN FOUNDRY CORP. V-1384 FRAME AND COVER

NOTE:
1. ALL WORK AND MATERIALS ARE TO MEET S.C.D.O.T. STANDARDS. USE TYPE "S" OR "M" MORTAR AS INDICATED IN S.C.D.O.T. STANDARDS
2. FOR BOXES WITH KNOCK OUT PANELS THE PANEL SHOULD BE ORIENTED SO THE PIPES ENTER THROUGH THE KNOCK OUT PANELS AREA ONLY. PIPE SHALL NOT ENTER THROUGH THE CORNERS. CORNER PLACEMENT MUST USE SOLID WALL BOXES WITH A MINIMUM OF 6" INCHES OF WALL BETWEEN THE TOP OF THE PIP AND THE TOP OF THE BOX.
3. ANY BOX OVER 4 FEET IN DEPTH MUST MEET S.CDOT REQUIREMENTS AND USE A SOLID WALL BOX.
4. BOXES 4' OR GREATER IN DEPTH REQUIRE STEPS
5. A 4" PVC PIPE WILL BE INSTALLED INSIDE CATCH BASIN AND RUN TO THE TOP OF THE BINDER TO CATCH THE SURFACE WATER UNTIL SURFACE COURSE IS APPLIED. PIPE WILL BE FILLED WITH CONCRETE AND CAPPED FROM THE TOP OF THE BINDER AND INSIDE THE BOX WHEN THE FINISHED COURSE OF ASPHALT IS APPLIED

FOR 12"-36" I.D. PIPE USE 2'-0" x 3'-0" BOX. FOR PIPES OVER 24" I.D. MAKE WIDTH OF CB= O.D. PIPE +6" EACH SIDE.

CB-1 | 10 | 13 — TYPICAL CATCH BASIN / JUNCTION BOX
SCALE: N.T.S.



NOTES:
1. SIGN SHALL BE 24" x 30", AND IN ACCORDANCE WITH ALL SCDOT REQUIREMENTS. REFER TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)" LATEST EDITION.
2. MOUNTING POST SHALL BE 4"x4" PRESSURE TREATED WOOD. POST SHALL BE SET 3' DEEP, AND ENCASED IN CONCRETE. ORNAMENTAL DETAILS SHALL BE IN ACCORDANCE WITH PREVIOUS PHASES.
3. SIGN SHALL BE INSTALLED AT 7 FEET FROM TOP OF GRADE TO BOTTOM OF SPEED LIMIT SIGN.

SN-4 | 12 | 13 — SPEED LIMIT SIGN - "R2-1"
SCALE: N.T.S.



NOTES:
1. SIGN SHALL BE A MINIMUM 18 INCHES HIGH AND 12 INCHES WIDE, AND BE MADE OF COATED RUST-FREE ALUMINUM.
2. MOUNTING POST SHALL BE 4"x4" PRESSURE TREATED WOOD. POST SHALL BE SET 3' DEEP, AND ENCASED IN CONCRETE. ORNAMENTAL DETAILS SHALL BE IN ACCORDANCE WITH PREVIOUS PHASES.
3. SIGN SHALL BE INSTALLED AT 7 FEET FROM TOP OF GRADE TO BOTTOM OF SPEED LIMIT SIGN

SN-3 | 12 | 13 — NO SWIMMING SIGN
SCALE: N.T.S.



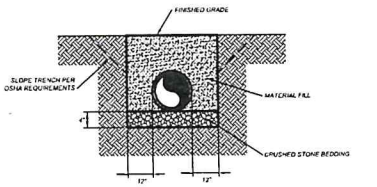
NOTES:
1. SIGN SHALL BE 30" x 30", AND IN ACCORDANCE WITH ALL SCDOT REQUIREMENTS. REFER TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)" LATEST EDITION.
2. MOUNTING POST SHALL BE 4"x4" PRESSURE TREATED WOOD. POST SHALL BE SET 3' DEEP, AND ENCASED IN CONCRETE. ORNAMENTAL DETAILS SHALL BE IN ACCORDANCE WITH PREVIOUS PHASES.
3. SIGN SHALL BE INSTALLED AT 7 FEET FROM TOP OF GRADE TO BOTTOM OF STOP SIGN

SN-2 | 12 | 13 — STOP SIGN - "R1-1"
SCALE: N.T.S.



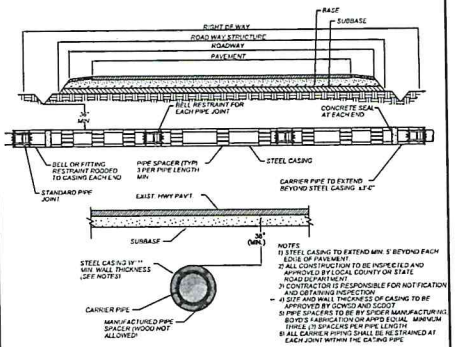
NOTES:
1. SIGN SHALL BE IN ACCORDANCE WITH ALL SCDOT REQUIREMENTS. REFER TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)" LATEST EDITION
2. LETTERING SHALL BE COMPOSED OF UPPER-CASE LETTERS AT LEAST 6 INCHES IN HEIGHT. LETTERS SHALL BE WHITE ON GREEN BACKING.
3. MOUNTING POST SHALL BE 4"x4" PRESSURE TREATED WOOD. POST SHALL BE SET 3' DEEP, AND ENCASED IN CONCRETE. ORNAMENTAL DETAILS SHALL BE IN ACCORDANCE WITH PREVIOUS PHASES.
4. SIGN SHALL BE INSTALLED AT 7 FEET FROM TOP OF GRADE TO BOTTOM OF LOWEST STREET NAME SIGN

SN-1 | 12 | 13 — STREET NAME SIGN - "D3-1"
SCALE: N.T.S.

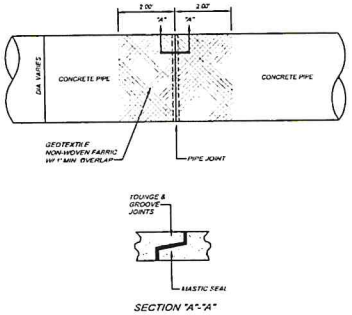


NOTES: 1. BEDDING SHALL BE REQUIRED IF TRENCH BOTTOM IS BELOW THE GROUND WATER TABLE
2. FILL SHALL BE NATIVE MATERIAL FREE OF LARGE ROCKS, DEBRIS OR ORGANICS PLACED IN 6" LIFTS AND COMPACTED TO 95 % OF THE SOILS STANDARD PROCTOR.

D-7 | 10 | 13 — RCP PIPE BEDDING
SCALE: N.T.S.



PV-2 | 7 | 13 — TYPICAL ROADWAY BORE AND JACK
SCALE: N.T.S.



SECTION "A"-"A"

D-8 | 10 | 13 — PIPE JOINT DETAIL
SCALE: N.T.S.

NO.	REVISIONS	BY	DATE
1	REV PER TRC COMMENTS	BF	12/7/17
2	TIE OFF WATER SERVICES REMOVED - TRADITIONAL	MAK	9/19/17
3	WATER & SEWER LOCATIONS	MAK	9/28/17
4	FEE SIMPLE LOT LINE ADJUSTMENTS	MAK	10/9/17

SOUTH CAROLINA — G3 ENGINEERING LLC — No. 4357 — CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA — REGISTERED PROFESSIONAL ENGINEER — No. 16553 — JAMES H. GREEN

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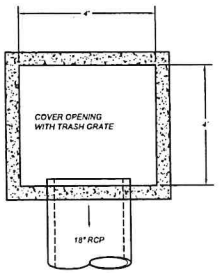
DYE CLUB TOWNHOMES
HORRY COUNTY, NORTH MYRTLE BEACH, SC
PREPARED FOR
D.R. HORTON

SIGNAGE, GRADING AND DRAINAGE DETAILS

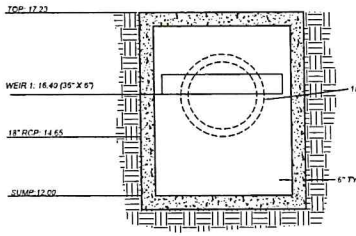
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0 1/2 1 2
DESIGNED: JHG
DRAWN: MAK/PAS
APPROVED: JHG
PROJ. NO. 16016
DATE: 02-23-17

SHEET C-13

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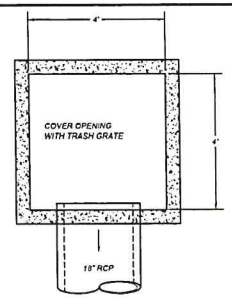


PLAN VIEW

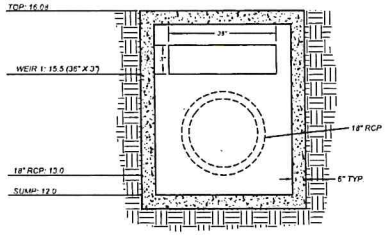


FRONT VIEW

CS-1 (10|14) OUTLET CONTROL STRUCTURE DETAIL: CS-01
SCALE: N.T.S.

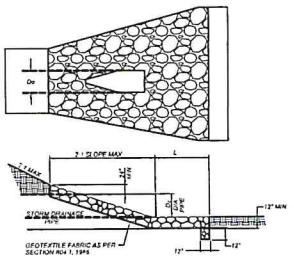


PLAN VIEW



FRONT VIEW

CS-1 (11|14) OUTLET CONTROL STRUCTURE DETAIL: CS- 03
SCALE: N.T.S.



OUTLET PROTECTION RIP RAP DIMENSIONS				
PIPE SIZE (INCHES) DO	AVERAGE ROCK DIAMETER (INCHES)	APRON WIDTH (FEET) W	APRON LENGTH FOR LOW FLOW (FEET) L	APRON LENGTH FOR HIGH FLOW (FEET) L
18	8	4-6	6-8	12-18
24	10	6-8	9-12	18-22
30	12	8-10	12-14	22-28
36	14	10-12	14-16	28-32
42	16	12-14	16-18	32-38
48	20	14-16	18-25	38-44

DESCRIPTION

OUTLET PROTECTION DISSIPATES THE ENERGY OF CONCENTRATED STORM WATER FLOWS REDUCING EROSION OR SCOURING AT STORM WATER OUTLETS. IN ADDITION, OUTLET PROTECTION LOWERS THE POTENTIAL FOR DOWNSTREAM EROSION. OUTLET PROTECTION IS ACHIEVED THROUGH A VARIETY OF TECHNIQUES, INCLUDING TURF REINFORCEMENT MATS (TRMS), RIPRAP, CONCRETE APRONS, PAVED SECTIONS AND OTHER STRUCTURAL MEASURES.

THE TECHNIQUES OUTLINED IN THIS SECTION ARE NOT THE ONLY TECHNIQUES THAT MAY BE USED FOR OUTLET PROTECTION DESIGN. THIS SECTION SHOWS ONE METHOD FOR OUTLET PROTECTION DESIGN AS AN EXAMPLE OF THE VARIABLES THAT NEED TO BE CONSIDERED IN THE DESIGN. OTHER METHODS UTILIZED THAT ARE NOT DISCUSSED IN THIS HANDBOOK SHOULD INCLUDE ALL GRAPHS, CHARTS, AND CALCULATIONS VERIFYING THAT THE PROTECTION WILL HANDLE THE PEAK FLOW VELOCITY, FLOW DEPTHS, AND SHEAR STRESS.

OUTLET PROTECTION DESIGN CRITERIA

THE DESIGN OF OUTLETS FOR PIPES AND CHANNELS SECTIONS APPLIES TO THE IMMEDIATE AREA OF REACH BELOW THE PIPE OR CHANNEL AND DOES NOT APPLY TO CONTINUOUS LINING AND PROTECTION OF CHANNELS OR STREAMS. NOTABLY, PIPE OR CHANNEL OUTLETS AT THE TOP OF CUT SLOPE OR ON SLOPES STEEPER THAN 10 PERCENT SHOULD NOT BE PROTECTED USING JUST OUTLET PROTECTION. THIS CAUSES RE-CONCENTRATION OF THE FLOW RESULTING IN INCREASED VELOCITIES WHEN THE FLOW LEAVES THE PROTECTION AREA. OUTLET PROTECTION MAY BE DESIGNED ACCORDING TO THE FOLLOWING CRITERIA

1. THE DESIGN FLOW VELOCITY EXITING THE OUTLET AT DESIGN CAPACITY SHOULD NOT EXCEED THE PERMISSIBLE VELOCITY OF RECEIVING AREA

2. TAILWATER DEPTH: TAILWATER IS THE WATER DEPTH AT THE DOWNSTREAM END OR OUTFALL OF THE CULVERT. THE DEPTH OF TAILWATER IMMEDIATELY BELOW THE OUTLET PROTECTION MUST BE DETERMINED FOR THE DESIGN CAPACITY OF THE PIPE. MINIMUM TAILWATER CONDITION IS DEFINED AS A TAILWATER DEPTH LESS THAN — THE DIAMETER OF THE OUTLET PIPE. PIPES THAT OUTLET ONTO FLAT AREAS WITH NO DEFINED CHANNEL HAVE A MINIMUM TAILWATER CONDITION. MAXIMUM TAILWATER CONDITION IS DEFINED AS A TAILWATER DEPTH GREATER THAN — THE PIPE DIAMETER

3. PROTECTION LENGTH: THE REQUIRED PROTECTION LENGTH, La, ACCORDING TO THE TAILWATER CONDITION, SHOULD BE DETERMINED FROM FIGURE OF MINIMUM TAILWATER CONDITION OR FIGURE OF MAXIMUM TAILWATER CONDITION

4. PROTECTION WIDTH: WHEN THE PIPE DISCHARGES DIRECTLY INTO A WELL-DEFINED CHANNEL, THE PROTECTION SHOULD EXTEND ACROSS THE CHANNEL BOTTOM AND UP THE CHANNEL BANKS TO AN ELEVATION ONE FOOT ABOVE THE MAXIMUM TAILWATER DEPTH OR TO THE TOP OF THE BANK, WHICHEVER IS LESS

- IF THE OUTLET DISCHARGES ONTO A FLAT AREA WITH NO DEFINED CHANNEL, THE WIDTH OF THE PROTECTION SHOULD BE DETERMINED WITH A MINIMUM TAILWATER CONDITION. DESIGN THE UPSTREAM END OF THE PROTECTION, ADJACENT TO THE OUTLET, WITH A WIDTH THREE TIMES THE DIAMETER OF THE OUTLET PIPE, Do. DESIGN THE DOWNSTREAM END OF THE PROTECTION WITH A WIDTH EQUAL TO THE PIPE DIAMETER PLUS THE LENGTH OF THE APRON (D + La)

-FOR A MAXIMUM TAILWATER CONDITION, DESIGN THE DOWNSTREAM END OF THE PROTECTION WITH A WIDTH EQUAL TO THE PIPE DIAMETER PLUS 0.4 TIMES THE LENGTH OF THE APRON (D +0.4* La)

5. BOTTOM GRADE: CONSTRUCT THE PROTECTION WITH NO SLOPE ALONG ITS LENGTH (0 PERCENT GRADE) WHERE APPLICABLE. THE DOWNSTREAM INVERT ELEVATION OF THE PROTECTION IS EQUAL TO THE ELEVATION OF THE INVERT OF THE RECEIVING CHANNEL. THERE IS NO OVERFALLING AT THE END OF THE PROTECTION

6. SIDE SLOPES: IF THE OUTLET DISCHARGES INTO A WELL DEFINED CHANNEL, THE RECEIVING SIDE SLOPES OF THE CHANNEL SHOULD NOT BE STEEPER THAN 3H: 1V

7. ALIGNMENT: LOCATE THE PROTECTION SO THERE ARE NO BENDS IN THE HORIZONTAL ALIGNMENT

8. MATERIALS

-THE PREFERRED PROTECTION LINING IS AN APPROPRIATE PERMANENT TURF REINFORCEMENT MATTING (TRM). CALCULATE THE SHEAR STRESS AND MAXIMUM VELOCITY TO DETERMINE THE APPLICABLE TRM.

-WHEN CONDITIONS ARE TOO SEVERE FOR TRMS THE PROTECTION MAY BE LINED WITH RIPRAP, GROUTED RIPRAP, CONCRETE, OR GABION BASKETS. THE MEDIAN-SIZED STONE FOR RIPRAP MAY BE DETERMINED FROM DESIGN FIGURES ACCORDING TO THE TAILWATER CONDITION

-IN ALL CASES, PLACE A NON WOVEN GEOTEXTILE FILTER CLOTH BETWEEN THE RIPRAP AND THE UNDERLYING SOIL TO PREVENT SOIL MOVEMENT INTO AND THROUGH THE RIPRAP. THE MATERIAL MUST MEET OR EXCEED THE REQUIRED PHYSICAL PROPERTIES FOR FILTER CLOTH

INSTALLATION

- DO NOT PROTECT PIPE OR CHANNEL OUTLETS AT THE TOP OF CUT SLOPES OR ON SLOPES STEEPER THAN 10% WITH ONLY OUTLET PROTECTION. THIS CAUSES RE-CONCENTRATION OF THE FLOW THAT RESULTS IN LARGE VELOCITIES WHEN THE FLOW LEAVES THE PROTECTION AREA.

-FOLLOW SPECIFIC STANDARDS FOR INSTALLATION OF THE SELECTED MATERIALS USED FOR OUTLET PROTECTION

-FOLLOW ALL MANUFACTURER'S INSTALLATION PROCEDURES FOR TRMS AND OTHER MANUFACTURED PRODUCTS.

-A MANUFACTURER'S REPRESENTATIVE MAY BE REQUIRED TO OVERSEE ALL INSTALLATION PROCEDURES AND OFFICIALLY APPROVE THE INSTALLATION OF MANUFACTURED PRODUCTS USED FOR OUTLET PROTECTION

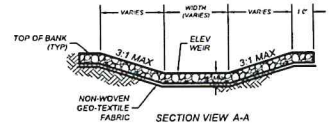
INSPECTION AND MAINTENANCE

-PERIODICALLY CHECK ALL OUTLET PROTECTION, APRONS, PLUNGE POOLS, AND STRUCTURAL OUTLETS FOR DAMAGE. IMMEDIATELY MAKE ALL NEEDED REPAIRS TO PREVENT FURTHER DAMAGE.

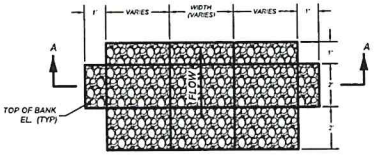
-IF ANY EVIDENCE OF EROSION OR SCOURING IS APPARENT, MODIFY THE DESIGN AS NEEDED TO PROVIDE LONG TERM PROTECTION (KEEPING IN MIND FISH PASSAGE REQUIREMENTS IF APPLICABLE)

-INSPECT OUTLET STRUCTURES AFTER HEAVY RAINS TO SEE IF ANY EROSION HAS TAKEN PLACE AROUND OR BELOW THE STRUCTURE

EC-5 (4|17) OUTLET PROTECTION
SCALE: N.T.S.



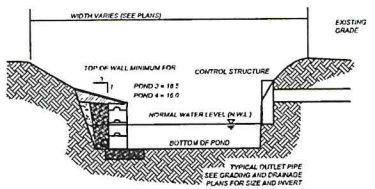
SECTION VIEW A-A



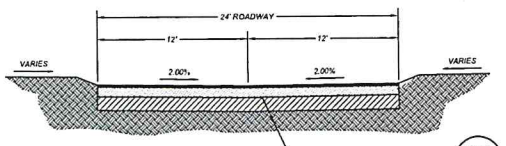
TOP VIEW A-A

CS-2 (4|17) EMERGENCY RIP RAP OVERFLOW WEIR
SCALE: N.T.S.

OVERFLOW DATA				
POND #	N.W.L.	T.O.B.	ELEV. WEIR	WIDTH
1	OMIT			
2	OMIT			
3	13.50	16.50	15.50	5
4	13.00	16.00	14.00	5

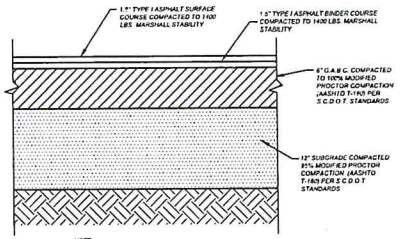


D-7 (10|14) TYPICAL POND CROSS-SECTION
SCALE: N.T.S.



AE-3 (4|8)

AE-4 (12|14) TYPICAL ROADWAY SECTION
SCALE: N.T.S.



NOTE

1. IN-SITU & IMPORTED SUITABLE SUBGRADE MATERIAL FOR USE IN THE FILL AREAS OF THE PAVEMENT SECTION SHALL BE FREE OF ANY ROOTS, ROCK OR OTHER DELETERIOUS MATERIAL, AND SHALL BE PROOF ROLLED PRIOR TO BASE PLACEMENT
2. THE STATE APPROVED MIX DESIGN AND THE PLANT GRADATION REPORT ARE TO BE SUBMITTED TO THE COUNTY ENGINEERING DEPARTMENT FOR BOTH THE ASPHALT BINDER AND THE ASPHALT SURFACE MIX

PV-1 (13|17) STANDARD ASPHALT PAVEMENT SECTION
SCALE: N.T.S.

NO.	REVISIONS	BY	DATE
1	REVIEW COMMENTS	MAK	02/17
2	TEE OFF WATER SERVICES REMOVED - TRADITIONAL	MAK	5/15/17
3	REVISED LAYOUT - SW MORTON	MAK	3/6/17
4	T.E.S. SIMPLIS LOT LINE ADJUSTMENTS	MAK	3/29/16

SOUTH CAROLINA G3 ENGINEERING LLC CERTIFICATE OF AUTHORIZATION No. 4357

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER JAMES H. GREEN No. 18553

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www.G3Engineering.org

DYE CLUB TOWNHOMES
HORRY COUNTY, NORTH MYRTLE BEACH, SC
PREPARED FOR
D.R. HORTON

GRADING AND DRAINAGE DETAILS

SCALE: NONE
0 1/2 1 2

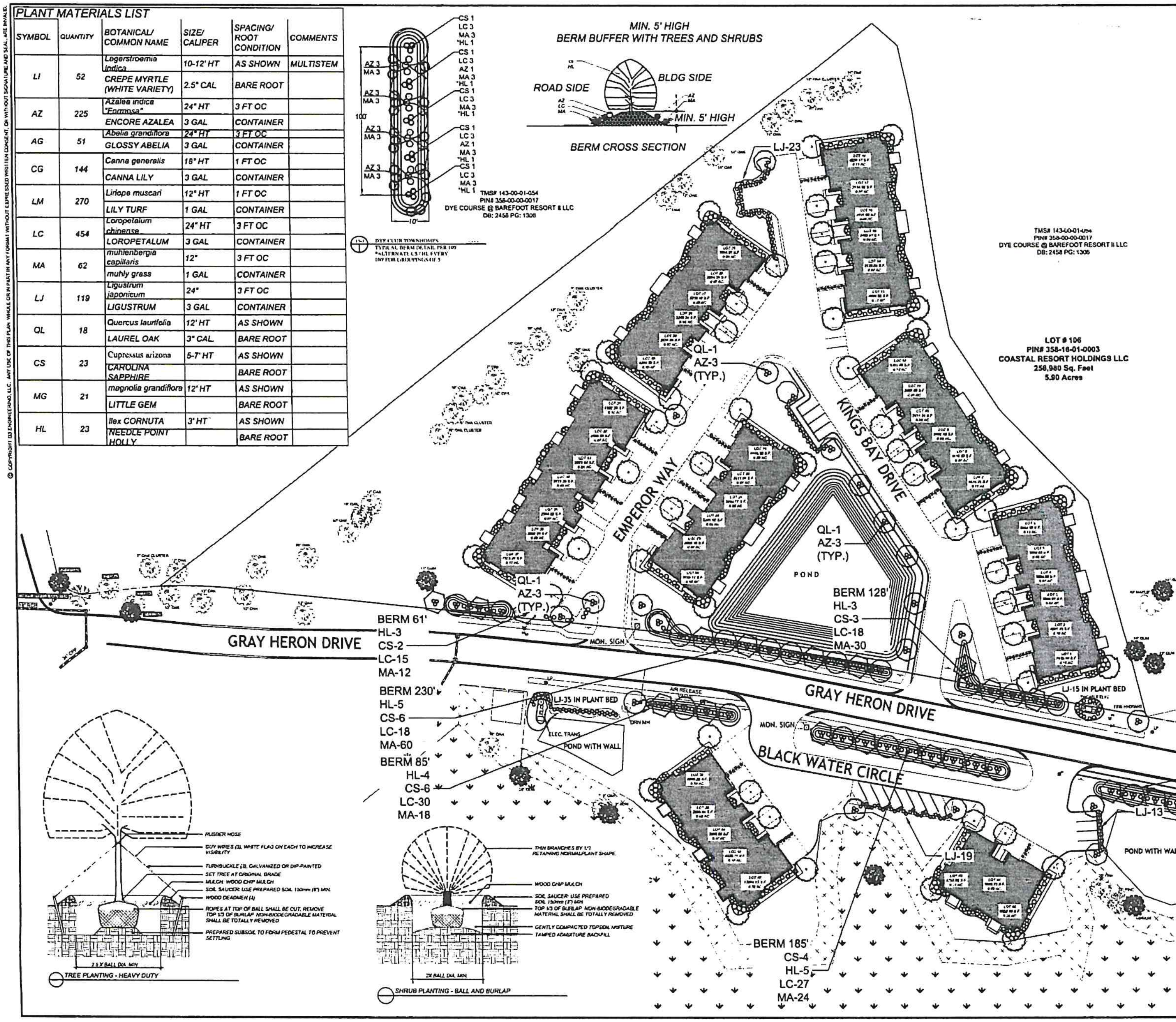
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DRAWN:	MAK/PAS
APPROVED:	JHG
PROJ. NO.	18018
DATE:	02.23.17

SHEET C-14

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PLANT MATERIALS LIST

SYMBOL	QUANTITY	BOTANICAL/ COMMON NAME	SIZE/ CALIPER	SPACING/ ROOT CONDITION	COMMENTS
LI	52	*Lagerstroemia indica*	10-12' HT	AS SHOWN	MULTISTEM
		CREPE MYRTLE (WHITE VARIETY)	2.5" CAL	BARE ROOT	
AZ	225	*Azalea indica "Formosa"*	24" HT	3 FT OC	
		ENCORE AZALEA	3 GAL	CONTAINER	
AG	51	*Abelia grandiflora*	24" HT	3 FT OC	
		GLOSSY ABELIA	3 GAL	CONTAINER	
CG	144	*Canna generalis*	18" HT	1 FT OC	
		CANNA LILY	3 GAL	CONTAINER	
LM	270	*Liriope muscari*	12" HT	1 FT OC	
		LILY TURF	1 GAL	CONTAINER	
LC	454	*Loropetalum chinense*	24" HT	3 FT OC	
		LOROPETALUM	3 GAL	CONTAINER	
MA	62	*muhlenbergia capillaris*	12"	3 FT OC	
		muhly grass	1 GAL	CONTAINER	
LJ	119	*Ligustrum japonicum*	24"	3 FT OC	
		LIGUSTRUM	3 GAL	CONTAINER	
QL	18	*Quercus laurifolia*	12' HT	AS SHOWN	
		LAUREL OAK	3" CAL	BARE ROOT	
CS	23	Cupressus arizona	5-7' HT	AS SHOWN	
		CAROLINA SAPPHIRE		BARE ROOT	
MG	21	*magnolia grandiflora*	12' HT	AS SHOWN	
		LITTLE GEM		BARE ROOT	
HL	23	*Ilex CORNUTA*	3' HT	AS SHOWN	
		NEEDLE POINT HOLLY		BARE ROOT	



GENERAL NOTES:

1. CONTRACTOR SHALL DETERMINE TO HIS/HER OWN SATISFACTION THE LOCATIONS OF ALL EXISTING AND NEW UTILITIES PRIOR TO COMMENCEMENT OF OPERATIONS. CONTRACTOR SHALL BE HELD DIRECTLY RESPONSIBLE FOR ANY DAMAGE TO UTILITIES.
2. CONTRACTOR SHALL THOROUGHLY REVIEW THE SITE PRIOR TO COMMENCING OPERATIONS. NOTIFY OWNER IMMEDIATELY OF ANY CONDITIONS DIFFERENT FROM THAT SHOWN ON THE PLANS. DO NOT PROCEED UNTIL FURTHER DIRECTION HAS BEEN GIVEN.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR TIMELY COORDINATION AND COOPERATION WITH ALL OTHER CONTRACTORS THROUGHOUT THE CONSTRUCTION PROCESS.
4. CONTRACTOR SHALL BE FAMILIAR WITH AND SHALL COMPLY WITH ALL REQUIREMENTS OF THE LOCAL MUNICIPALITY(IES) HAVING JURISDICTION. NOTIFY OWNER IMMEDIATELY OF ANY DISCREPANCY BETWEEN THE PLANS AND APPLICABLE CODES. DO NOT PROCEED UNTIL FURTHER DIRECTION HAS BEEN GIVEN.
5. PLANT MATERIAL QUANTITIES PROVIDED ARE APPROXIMATE. CONTRACTOR SHALL CONFIRM THE ACTUAL NUMBER OF PLANTS REQUIRED FOR EACH SPECIES BASED ON THE PLANTING PLAN. SHOULD DISCREPANCIES BETWEEN THE PLANT MATERIALS LIST AND THE PLANTING PLAN OCCUR, THE PLANTING PLAN SHALL PREVAIL.
6. PLANT MATERIAL SIZE LISTED SHALL BE CONSIDERED MINIMUM INSTALLATION SIZE.
7. ALL PLANT MATERIAL SHALL MEET THE STANDARDS OF THE AMERICAN NURSERYMENS ASSOCIATION.
8. PLANTS LISTED AS B&B MAY BE SUPPLIED IN CONTAINERS, SO LONG AS SPECIFIED SIZES ARE PROVIDED AND PLANTS HAVE BEEN CONTINUOUSLY CULTIVATED IN CONTAINERS.
9. UNLESS OTHERWISE NOTED ON THE PLANS, PLANT LOCATIONS SHALL BE DETERMINED BY SCALING DRAWINGS. DESIGN INTENT SHALL BE MAINTAINED AT ALL TIMES.
10. CONTRACTOR SHALL AVOID PLANTING PLANTS IN THE BOTTOM OF SWALES. SHIFT LOCATIONS SLIGHTLY AND UNIFORMLY TO AVOID PLACEMENT IN SWALES AND AS REQUIRED TO AVOID UTILITIES, LIGHTING AND OTHER STRUCTURES.
11. STAKE-OUT ALL TREES, AND THE OUTLINE OF ALL SHRUB, GROUNDCOVER AND FLOWER BEDS PRIOR TO COMMENCING INSTALLATION. OBTAIN APPROVAL OF OWNER BEFORE COMMENCING INSTALLATION.
12. ORIENT PLANT MATERIALS WITH THE BEST SIDE OF PLANT TO THE MOST PROMINENT VIEW.
13. PRIOR TO MULCHING, APPLY COMMERCIAL PRE-EMERGENT HERBICIDE TO ALL PLANT BEDS PER MANUFACTURER RECOMMENDATIONS.
14. SHRUB BEDS SHALL BE MULCHED IN THEIR ENTIRETY, TO THE DEPTH SPECIFIED FOR THE INDIVIDUAL SHRUB.
15. SOD SHALL BE CENTIPEDE GRASS.
16. ALL EXISTING TREES TO REMAIN SHALL BE PROTECTED DURING CONSTRUCTION.
17. CONTRACTOR SHALL INSURE THAT ALL BERMING AND GRADING OPERATIONS ARE COMPLETE PRIOR TO INSTALLATION OF PLANT MATERIAL. MAINTAIN POSITIVE DRAINAGE AT ALL TIMES.
18. CONTRACTOR IS TO PROVIDE THE OWNER A MAINTENANCE SCHEDULE DESCRIBING ALL REQUIRED MAINTENANCE PROCEDURES FOR A ONE YEAR PERIOD.
19. ALL PLANT MATERIAL (NEW AND TRANSPLANTED) SHALL BE GUARANTEED FOR A ONE YEAR PERIOD FOLLOWING ACCEPTANCE BY THE OWNER. ALL REPLACEMENTS SHALL ALSO RECEIVE THIS GUARANTEE.
20. ALL QUESTIONS AND CHANGES SHALL BE DIRECTED TO THE LANDSCAPE ARCHITECT FOR A RESOLUTION.
21. THIS PLAN HAS BEEN REVIEWED AND APPROVED BY THE OWNER.
22. PROVIDE IRRIGATION SYSTEM FOR ALL AREAS NOTED AS SEEDED OR SODDED. IRRIGATION SYSTEM SHALL BE COMPLETELY INSTALLED AND OPERATIONAL PRIOR TO PLANT MATERIAL INSTALLATION.

REQUIRED FOR 590LF +460LF OF FRONTAGE WITH 46" OF TREE DBH EXISTING SHOWING 0.15" PER FOOT LESS 48" = 111.5" PROPOSED OUTSIDE R/W. (25 trees)

NO.	REVISIONS	BY	DATE
4	REV. PER POA/HOA COMMENTS PLANT BEDS MULCH	MAK	8/1/18
3	REV. PER MEETING WITH HOA	MAK	5/15/18
2	ADDED REQ. PER. TREES - CNMB	MAK	1/18/2017
1	REV. PER TRC MEETING COMMENTS	MAK	4/27/17

P.U.P.S
1-888-721-7877
CALL BEFORE YOU DIG
PALMETTO UTILITY PROTECTION SERVICE

G3 ENGINEERING
P.O. BOX 2666
PAWLEYS ISLAND, SC 29585
PHONE: 843.237.1001
www.G3Engineering.org

DYE CLUB TOWNHOMES

HORRY COUNTY, NORTH MYRTLE BEACH, SC

PREPARED FOR

D.R. HORTON

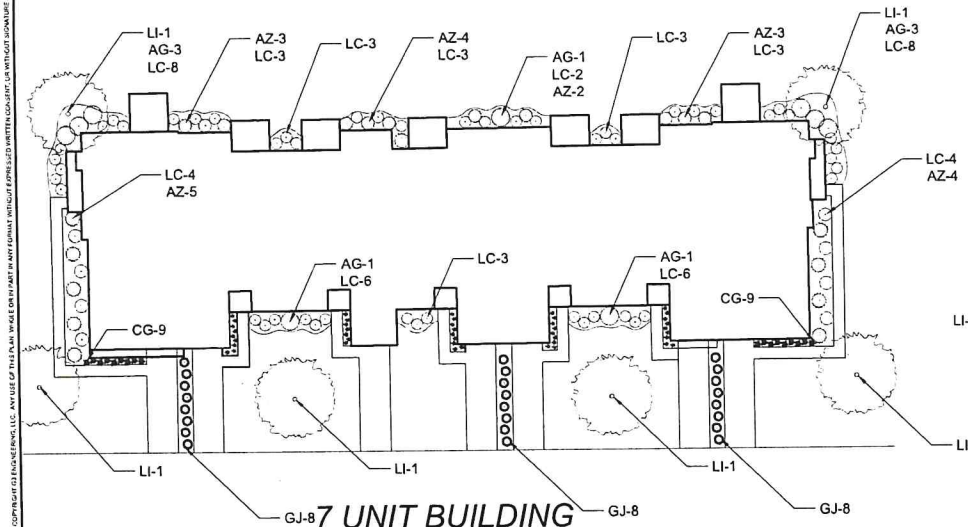
STREET TREE AND BERM LANDSCAPE PLAN

SCALE: 1"=40'
0 20' 40' 80'

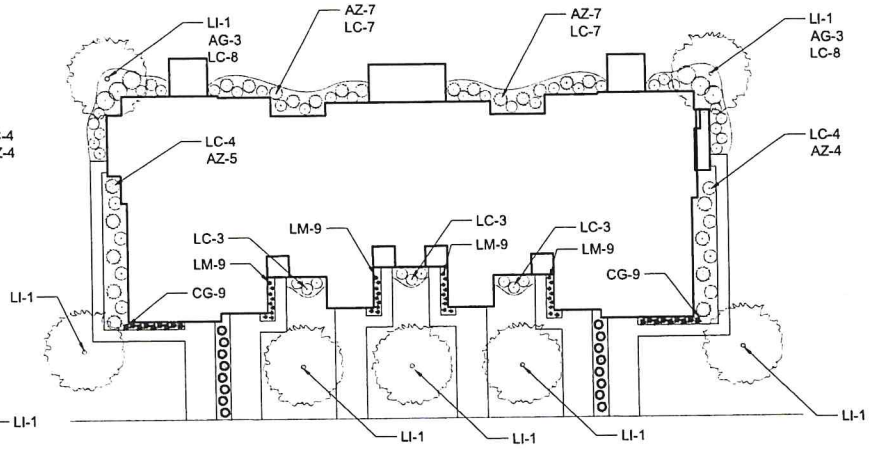
DESIGNED: RES
DRAWN: MAK/PAS
APPROVED: JHG
PROJ. NO. 16018
DATE: 4-21-17

SHEET L-1

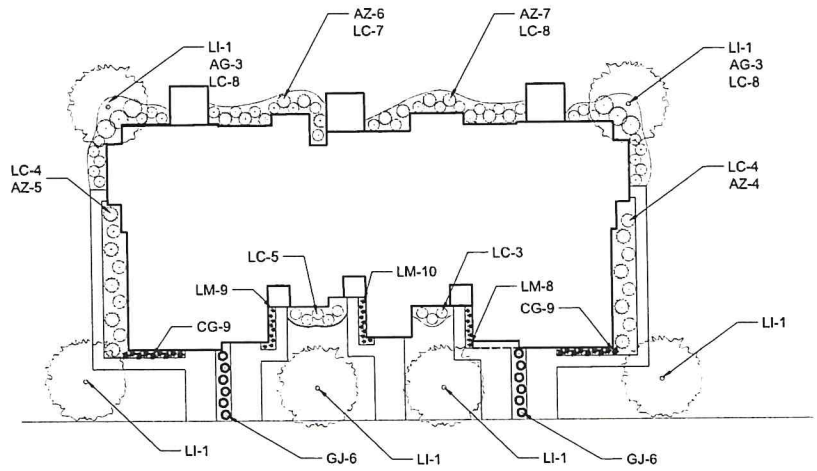
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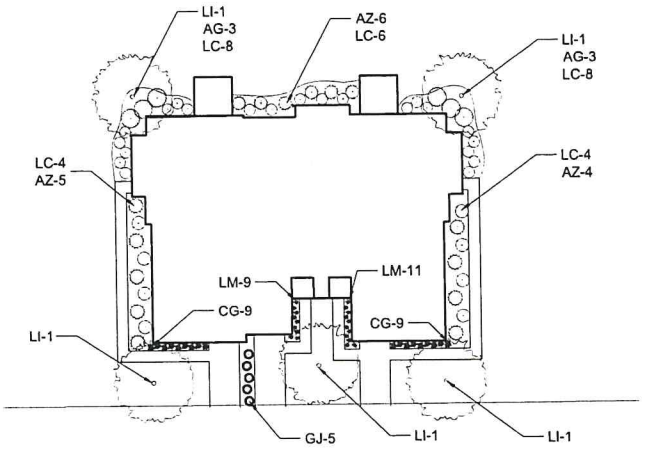
7 UNIT BUILDING



6 UNIT BUILDING



5 UNIT BUILDING



3 UNIT BUILDING

NO.	REVISIONS	BY	DATE

SOUTH CAROLINA G3 ENGINEERING LLC No. 4337 CERTIFICATE OF AUTHORIZATION

G3 ENGINEERING
P.O. BOX 7666
PAWLEYS ISLAND, SC 29585
PHONE: 843.237.1001
www.G3Engineering.org

DYE CLUB TOWNHOMES
HORRY COUNTY, NORTH MYRTLE BEACH, SC
PREPARED FOR
D.R. HORTON
LANDSCAPE PLANS FOR BUILDING

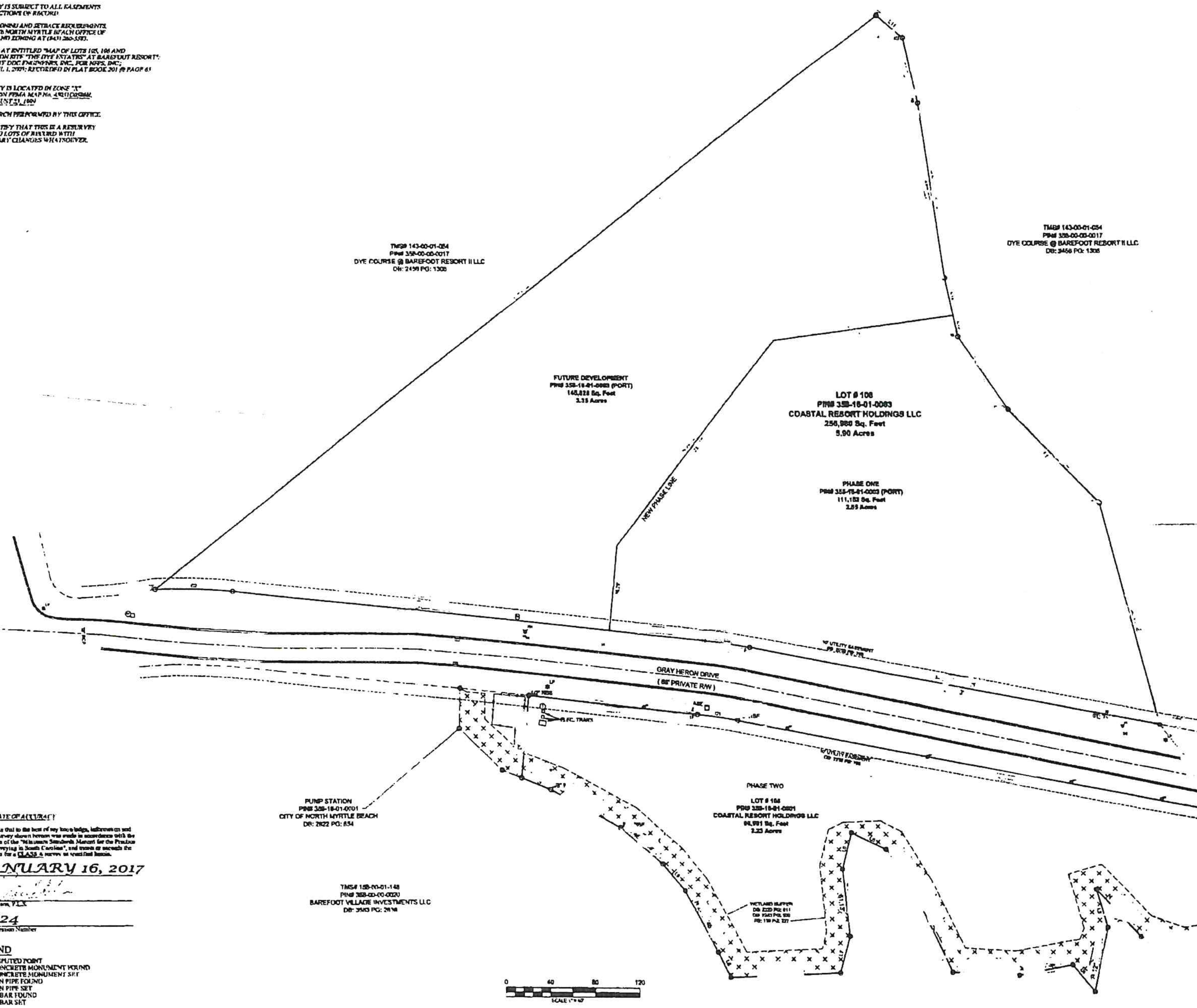
SCALE: 1"=15'
0 7-1/2' 15' 30'

DESIGNED: RES
DRAWN: MAK/PAS
APPROVED: JHG
PROJ. NO.: 16016
DATE: 4-21-17

SHEET L-2

NOTES:

1. THIS PROPERTY IS SUBJECT TO ALL EASEMENTS AND RESTRICTIONS OF RECORD.
2. FOR CURRENT ZONING AND SETBACK REQUIREMENTS, CONTACT THE NORTH MYRTLE BEACH OFFICE OF PLANNING AND ZONING AT (843) 280-5583.
4. REFERENCE PLAT ENTITLED "MAP OF LOTS 105, 106 AND PUMP STATION SITE "THE DYE ESTATES" AT BAREFOOT RESORT"; PREPARED BY DDC ENGINEERS, INC., FOR NFPS, INC.; DATED APRIL 1, 2007; RECORDED IN PLAT BOOK 201 @ PAGE 65
5. THIS PROPERTY IS LOCATED IN ZONE "X" AS SHOWN ON FEMA MAP No. 45051C0xxxx, DATED AUGUST 23, 1999
6. NO TITLE SEARCH PERFORMED BY THIS OFFICE.
7. I HEREBY CERTIFY THAT THIS IS A RESURVEY OF EXISTING LOTS OF RECORD WITH NO BOUNDARY CHANGES WHATSOEVER.



CERTIFICATE OF ACCURACY

I hereby state that to the best of my knowledge, information and belief, the survey shown hereon was made in accordance with the requirements of the "Minimum Standards Manual for the Practice of Land Surveying in South Carolina", and meets or exceeds the requirements for a CLASS A survey as specified herein.

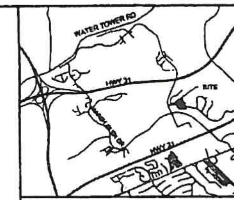
JANUARY 16, 2017
Date

Eric N. Wilson, P.L.S.

29524
S.C. Registration Number

LEGEND

CP - COMPUTED POINT
CMF - CONCRETE MONUMENT FOUND
CMS - CONCRETE MONUMENT SET
IPF - IRON PIPE FOUND
IPS - IRON PIPE SET
RBF - REBAR FOUND
RBS - REBAR SET



LOCATION MAP

REVISIONS			
NO.	DESCRIPTION	DATE	BY

ERIC N. WILSON
SC Reg # 29524

Robert A. Warner and Associates, Inc.
Professional Land Surveying, Mapping and Planning
726 8th Avenue North
Myrtle Beach, South Carolina 29577
Phone: (843) 626-6662 / 6924
Fax: (843) 626-6774
E-mail: RWARNER500@AOL.COM

SHEET TITLE

PHASE MAP
PHASE ONE AND TWO

SCALE: 1" = 40'   DATE: JANUARY 20, 2017

PROJECT

LOT 105 & 106
THE DYE ESTATES
AT BAREFOOT RESORT

HORRY COUNTY   SOUTH CAROLINA

REF. PLAT	BK 201 @ PG 65
REF. DEED	BK 2533 @ PG 380
TMS	143-00-01-088 & 039
DRAWN BY	EMW
PARTY CHIEF	BA
REF. DWG.	170004-PHASE PLAT
JOB NO.	170004
FIELD NO.	170004
SHEET NO.	1
OF	1

NOTES:

1. THIS PROPERTY IS SUBJECT TO ALL EASEMENTS AND RESTRICTIONS OF RECORD.

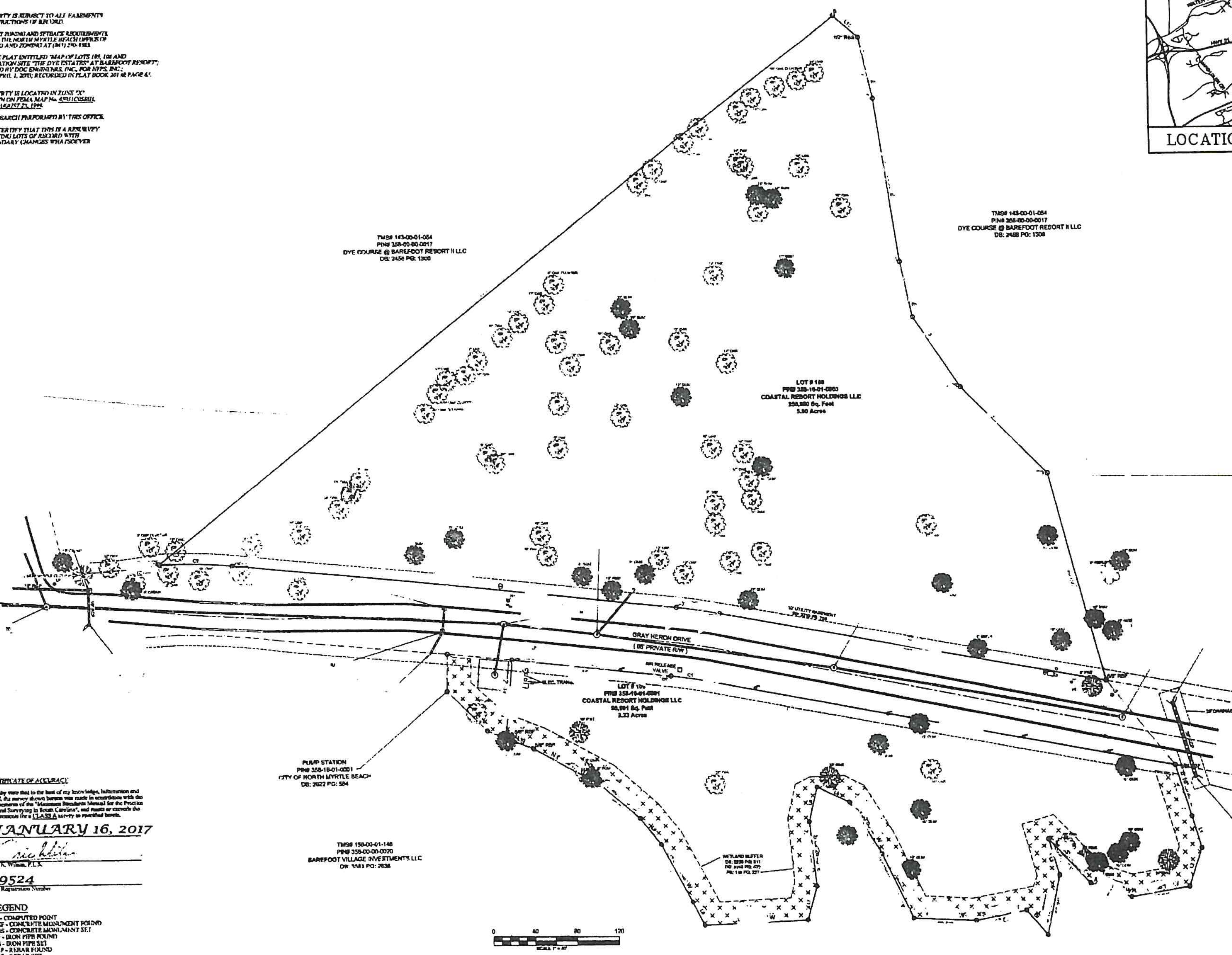
3. FOR CURRENT ZONING AND SETBACK REQUIREMENTS CONTACT THE NORTH MYRTLE BEACH OFFICE OF PLANNING AND ZONING AT (843) 280-5583.

4. REFERENCE PLAT ENTITLED "MAP OF LOTS 105, 106 AND PUMP STATION SITE "THE DYE ESTATES" AT BAREFOOT RESORT"; PREPARED BY DOC ENGINEERS, INC., FOR NFPS, INC.; DATED APRIL 1, 2010; RECORDED IN PLAT BOOK 201 @ PAGE 85.

5. THIS PROPERTY IS LOCATED IN ZONE "X" AS SHOWN ON FEMA MAP No. 45051C0588HL DATED AUGUST 23, 1999.

6. NO TITLE SEARCH PERFORMED BY THIS OFFICE.

7. I HEREBY CERTIFY THAT THIS IS A RESURVEY OF EXISTING LOTS OF RECORD WITH NO BOUNDARY CHANGES WHATSOEVER.



CERTIFICATE OF ACCURACY

I hereby state that to the best of my knowledge, information and belief, the survey shown hereon was made in accordance with the requirements of the "Minimum Standards Manual for the Practice of Land Surveying in South Carolina", and meets or exceeds the requirements for a CLASS A survey as specified herein.

JANUARY 16, 2017
Date

Eric N. Wilson, P.L.S.

29524
S.C. Registration Number

LEGEND

CP - COMPUTED POINT
CMF - CONCRETE MONUMENT FOUND
CMS - CONCRETE MONUMENT SET
IPF - IRON PIPE FOUND
IPS - IRON PIPE SET
RBF - REBAR FOUND
RBS - REBAR SET

REVISIONS			
NO.	DESCRIPTION	DATE	BY

ERIC N. WILSON
SC Reg # 29524

Robert A. Warner and Associates, Inc.
Professional Land Surveying, Mapping and Planning
726 8th Avenue North
Myrtle Beach, South Carolina 29577
Phone: (843) 626-6682 / 6924
Fax: (843) 626-6774
E-mail: RWARNER500@AOL.COM

SHEET TITLE
BOUNDARY, TREE, AND TOPOGRAPHIC SURVEY

SCALE 1" = 40'   DATE: JANUARY 20, 2017

PROJECT
LOT 105 & 106
THE DYE ESTATES
AT BAREFOOT RESORT

HORRY COUNTY   SOUTH CAROLINA

REF. PLAT	BK 201 @ PG 85
REF. DEED	BK 2922 @ PG 580
TMS	143-00-01-054 & 030
FIELD CREW	ENW
DRAWN	BA
REF. DWG	170004.DWG
JOB NO.	170004
FIELD BOOK	170004
SHEET NO.	1 of 1

BAREFOOT DYE TOWN HOMES



3-UNIT BUILDING

KITTY HAWK AREA TABULATION

HEATED FIRST FLOOR	1207
HEATED SECOND FLOOR	913
TOTAL HEATED AREAS	2120
GARAGE	243
SIDE PORCH	57
FRONT PORCH	49
REAR PORCH	100
STORAGE	0
TOTAL UNDER ROOF	2569
OPTIONAL SCREEN PORCH	112

NOTE: AREA CALCULATIONS ARE NOTED FOR BASE HOUSE CONDITIONS AND ARE SUBJECT TO CHANGE WITH VARIOUS ELEVATIONS, OPTIONS OR CUSTOMER CHANGES.

LINDBERGH AREA TABULATION

HEATED FIRST FLOOR	1060
HEATED SECOND FLOOR	1040
TOTAL HEATED AREAS	2100
GARAGE	245
FRONT PORCH	57
REAR PORCH	77
STORAGE	0
TOTAL UNDER ROOF- STANDARD	2479
OPTIONAL SCREEN PORCH	111

NOTE: AREA CALCULATIONS ARE NOTED FOR BASE HOUSE CONDITIONS AND ARE SUBJECT TO CHANGE WITH VARIOUS ELEVATIONS, OPTIONS OR CUSTOMER CHANGES.

ARCHITECTURAL SHEET INDEX

A0.0	COVER SHEET
A1.1	EXTERIOR ELEVATIONS
A1.2	EXTERIOR ELEVATIONS
A1.3	SIDE ELEVATIONS
A2.1	FIXTURE LAYOUT PLAN (USE FOR PLUMBING LOCATIONS ONLY)
A3.1	FIRST FLOOR PLAN
A3.2	SECOND FLOOR PLAN
A4.1	ROOF PLAN
A5.1	FIRST FLOOR ELECTRICAL
A5.2	SECOND FLOOR ELECTRICAL
A6.1	WALL SECTIONS AND DETAILS
A6.2	WALL SECTIONS AND DETAILS
A6.3	WALL SECTIONS AND DETAILS
A6.4	WALL SECTIONS AND DETAILS
A6.5	WALL SECTIONS AND DETAILS

CODE REVIEW

INTERNATIONAL RESIDENTIAL CODE – 2015

BUILDING DATA

OCCUPANCY (PER IRC SECTION 302.1): R-3

CONSTRUCTION TYPE (PER IRC SECTION 602): V-B

SEISMIC DESIGN CATEGORY (PER FIGURE R301.2(2)): C

TOWNHOUSES (PER SECTION R302.2): 2 HR COMMON WALL (UL ASSEMBLY U336)

TOWNHOUSE ROOFS (PER SECTION R302.2.2 EXCEPTION): ROOF SHEATHING HAS MIN. CLASS C RATING & ROOF SHEATHING IS FIRE-TREATED WOOD (W/ NO OPENINGS OR PENETRATIONS) 4 FT ON EACH SIDE OF COMMON WALL

DWELLING & GARAGE FIRE SEPARATION (PER SECTION R302.6): WALLS – 1/2" GYPSUM BOARD, CEILINGS – 5/8" TYPE "X" GYPSUM BOARD

UNDER-STAIR PROTECTION (PER SECTION R302.7): 1/2" GYPSUM WALL BOARD

CEILING HEIGHT (PER SECTION R305): 6'-8" MIN. AT TOILETS, 7'-0" AT OTHER SPACES

EMERGENCY EGRESS OPENINGS (PER SECTION R310): 5.7 SF

EGRESS DOORS (PER SECTION R311.2): AT LEAST (1) EGRESS DOOR REQUIRED, (2) PROVIDED

HALLWAYS (PER SECTION R311.6): 36" MIN. WIDE

STAIR WIDTH (PER SECTION R311.7.1): 36" MIN.

STAIR HEADROOM (PER SECTION R311.7.2): 6'-8" MIN.

RISER HEIGHT (PER SECTION R311.7.5.1): 7 3/4" MAX.

TREAD DEPTH (PER SECTION R311.7.5.2): 10" MIN.

HANDRAIL HEIGHT (PER SECTION R311.7.8.1): 34" TO 38"

GUARD HEIGHT (PER SECTION R312.1.2): 36" MIN.

GUARD OPENING LIMITATIONS (PER SECTION R312.1.3): NO OPENINGS THAT ALLOW PASSAGE OF A 4" DIAMETER SPHERE

FLOOR CONSTRUCTION (PER SECTION R501)

WALL CONSTRUCTION (PER SECTION R601)

ROOF-CEILING CONSTRUCTION (PER SECTION R802)

STATE OF SOUTH CAROLINA – Urban Architectural Group PA, Charlotte, NC 01254 – REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA – JOHN R. URBAN – REGISTERED ARCHITECT – 3/28/18

JOB START DESCRIPTION

JOB #	DATE:
DRAWN BY:	LOT #:
SUBDIVISION:	
BUYER:	

URBAN ARCHITECTURAL GROUP
704 841.1889 tel 841.8440 fax
1242 Mann Drive Suite 200 Matthews, North Carolina 28105
www.UrbanAIA.com

D·R·HORTON America's Builder – DHI NYSE

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DATE	REVISION #	UPDATED BY:

BAREFOOT DYE TOWNHOMES 3-UNIT BUILDING

COVER SHEET

DATE: 3/28/18

PROJECT NO: 2016-93

SHEET NUMBER:

A0.0



FRONT ELEVATION

SCALE: 1/8" = 1'-0"

JOB START DESCRIPTION

JOB #	DATE:
DRAWN BY:	LOT #:
SUBDIVISION:	
BUYER:	

URBAN ARCHITECTURAL GROUP
704 841.1899 tel 841.8440 fax
1442 Mann Drive Suite 200
Matthews, North Carolina 28105
www.UrbanAAG.com

STATE OF SOUTH CAROLINA Urban Architectural Group PA Charlotte, NC 01054 REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA JOHN R. URBAN REGISTERED ARCHITECT 3/28/18

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PHI NYSE

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DATE	REVISION #	UPDATED BY:

BAREFOOT DYE TOWNHOMES
3-UNIT BUILDING

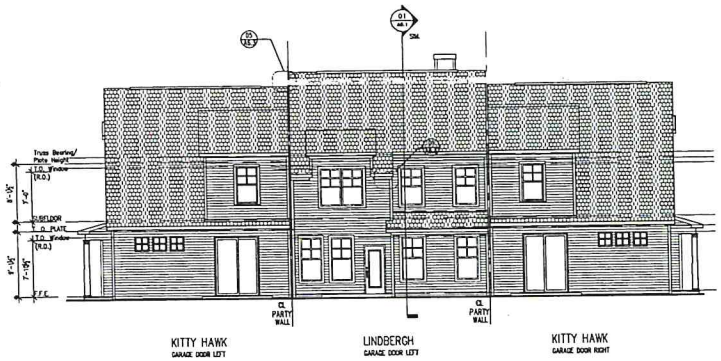
EXTERIOR FRONT ELEVATION

DATE: 3/28/18

PROJECT NO: 2016-93

SHEET NUMBER:

A1.1



REAR ELEVATION

SCALE: 1/8" = 1'-0"

12 8 4 2 0

JOB START DESCRIPTION

JOB #	DATE:
DRAWN BY:	LOT #:
SUBDIVISION:	
BUYER:	

URBAN ARCHITECTURAL GROUP

704 841.1859 tel 841.9440 fax

1342 Mann Drive Suite 206
Matthews, North Carolina 28105

www.UrbanAAA.com

STATE OF SOUTH CAROLINA REGISTERED ARCHITECTS
Urban Architectural Group PA
Charlotte, NC
01054

STATE OF SOUTH CAROLINA REGISTERED ARCHITECT
JOHN R. URBAN
01054

3/28/18

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DHI NYSE

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DATE	REVISION #	UPDATED BY:

BAREFOOT DYE
TOWNHOMES
3-UNIT BUILDING

EXTERIOR REAR
ELEVATION

DATE: 3/28/18

PROJECT NO: 2016-93

SHEET NUMBER:

A1.2