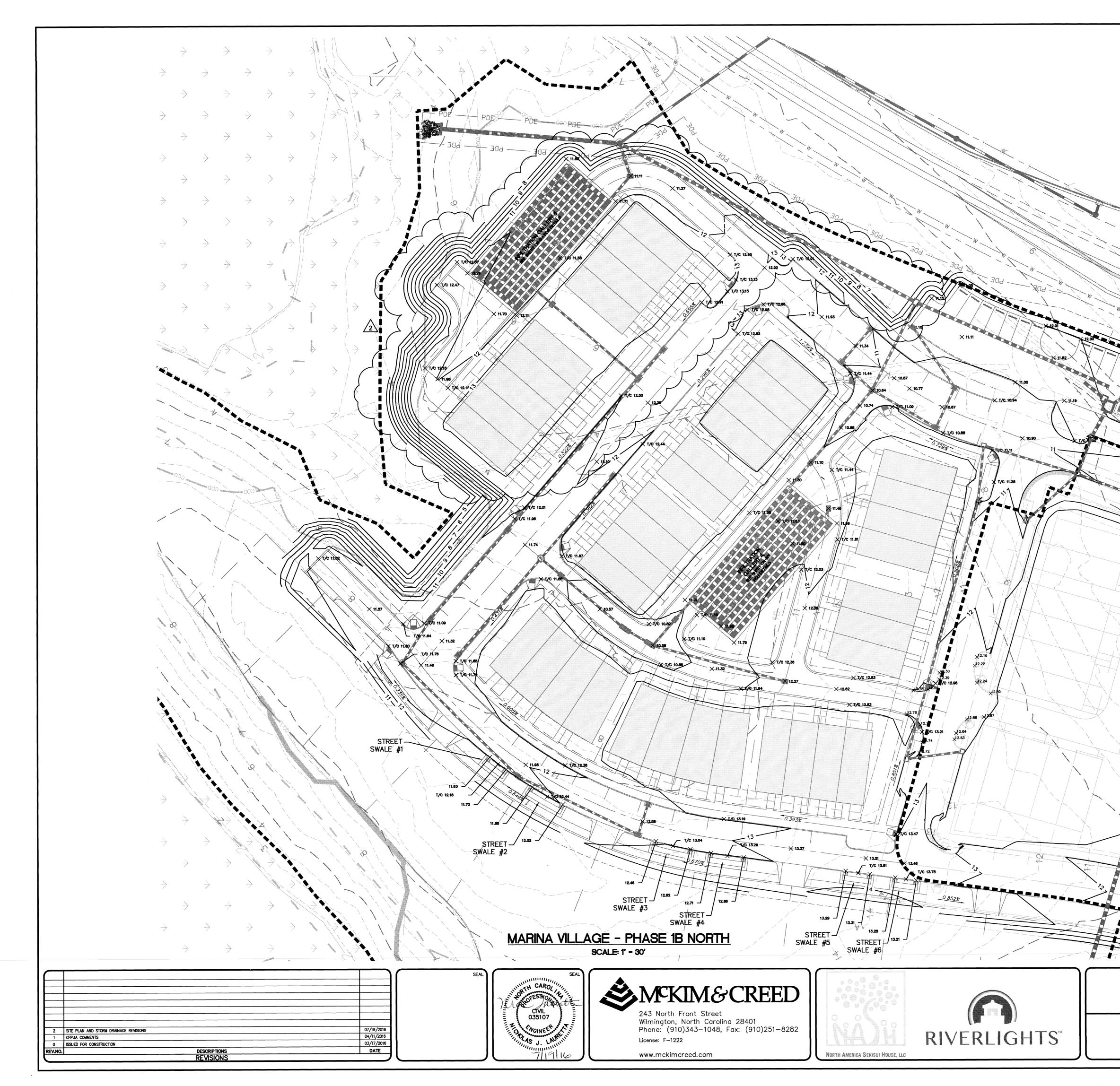
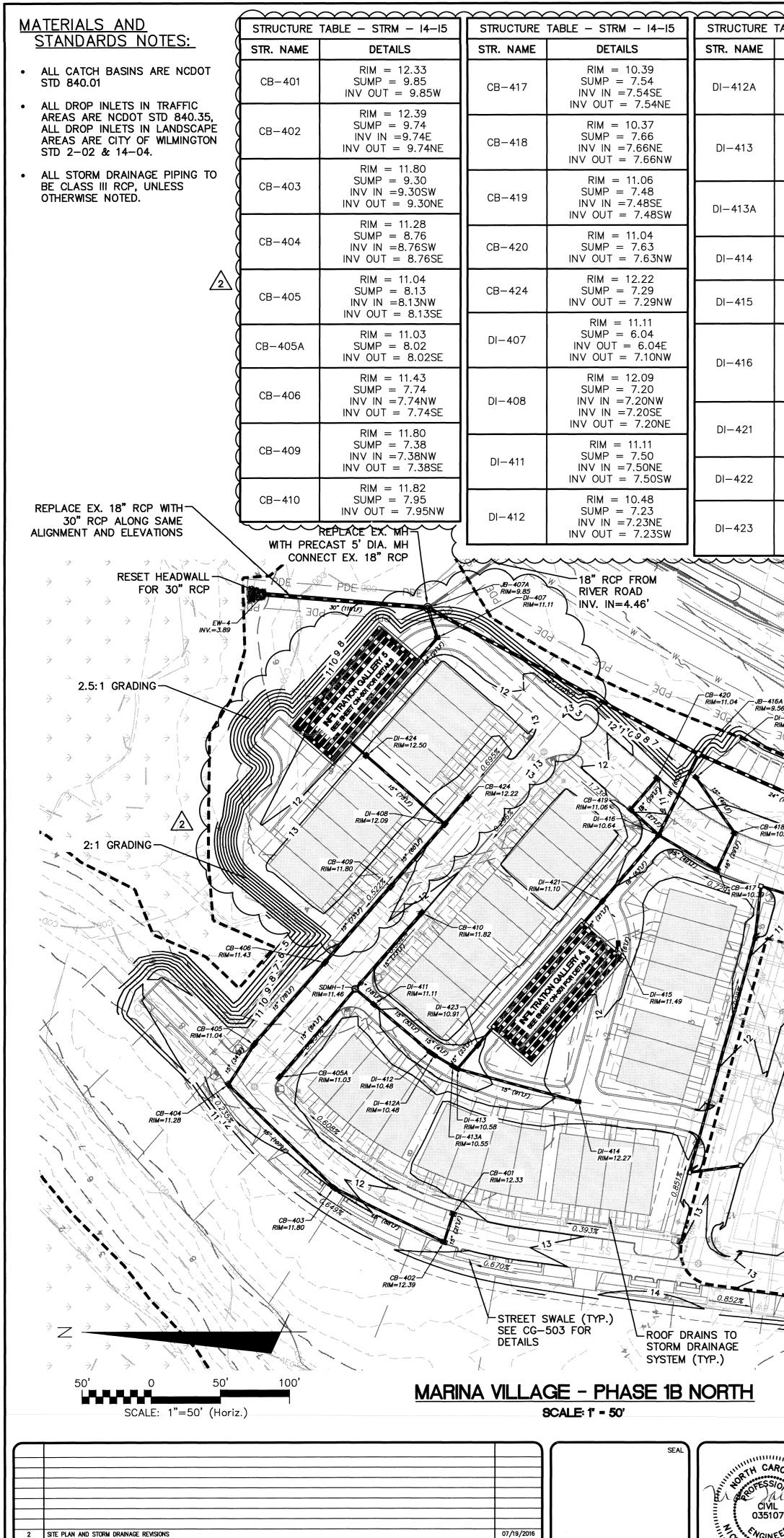


7124 Marina Village\80-Drawings\Phase 1B\CE-102.dwg, 7/18/2016 4:52:22 PM, /



24 Marina Village\80-Drawings\Phase 1B\CG-103.dwg, 7/18/2016 4:55:43 PM, AMe

NOTE: • CONSTRUCTION AND GRADING WILL NOT DISTURB THE WETLAND/CONSERVATION RESOURCE.	For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.	1 inch
	Approved Constru <u>Name</u> Planning Traffic	Date_
	Public Services Eng APPROVED STORMWATER M Date: P	MANAGEMENT PLAN
	Signed:	
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× 11.50 × 11.00 × 11.00		
× iff × 11.59 × 12.60 × 11.69 × 11.69 × 11.69 × 11.62		
	30' 0 SCALE: 1"=	30' 60' 30' (Horiz.)
	±×	
22.50 2.10 2.10 2.10 2.10 2.10 2.10 2.10 2.1		
RIVERLIGHTS MARINA VILLAGE PHASE 1B	MCE PROJ. # 2735-0124 DRAWN ALM 1 DESIGNED NJL VE	CALE IZONTAL: "=30' RTICAL:
	STATUS: FINAL DESIGN	

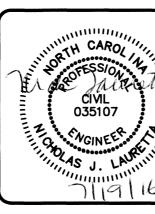


CFPUA COMMENTS

0 ISSUED FOR CONSTRUCTION

DESCRIPTIONS

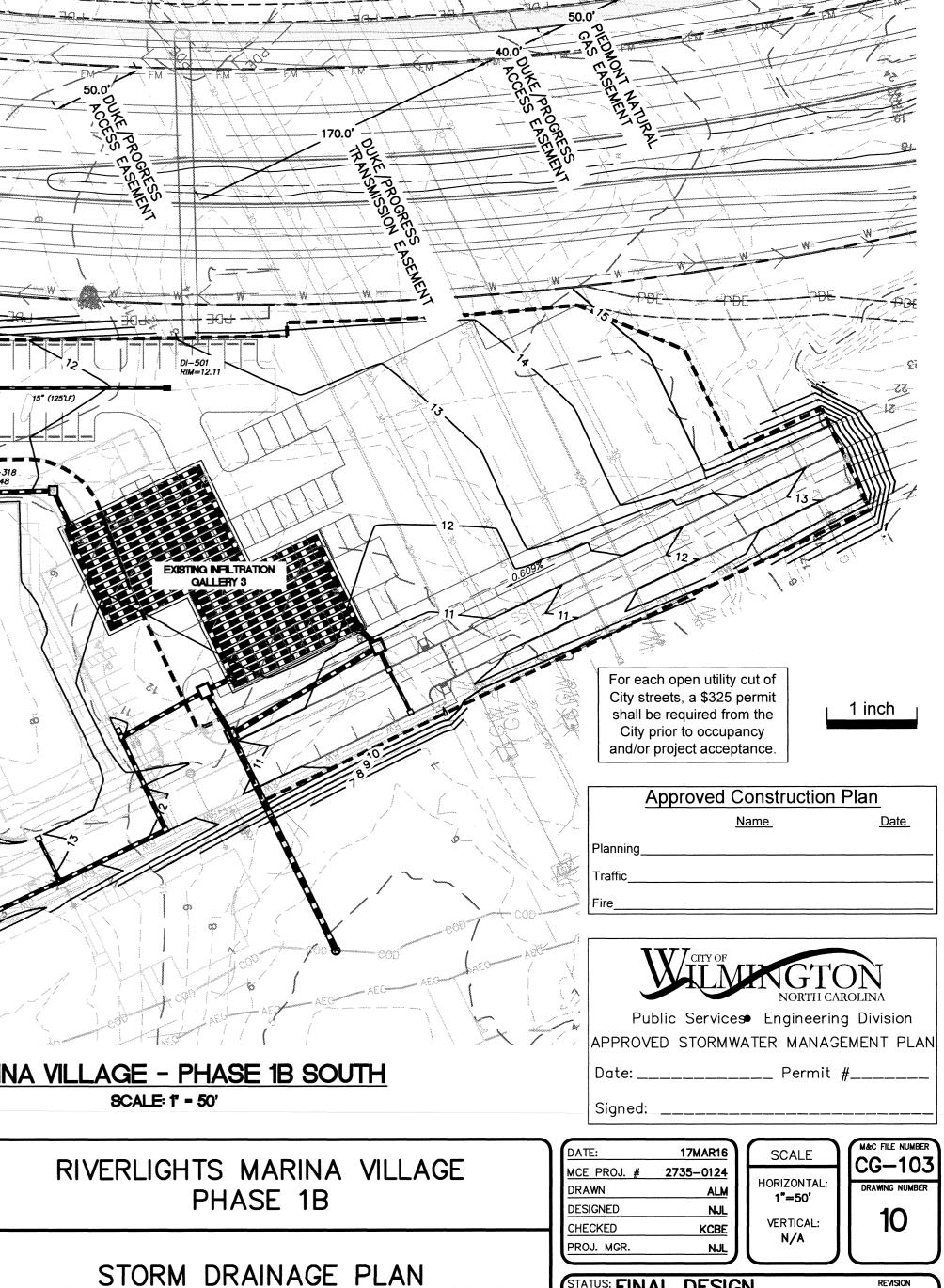
07/19/2016 04/11/2016 03/17/2016 DATE



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ME	DETAILS	STR. NAME	DETAILS	STR. NAME	DETAILS	FROM	то	LENGTH	SIZE	PIPE TYPE	SLOPE	UPSTREAM INVERT	DOWNSTREAM INVERT	FROM	то	LENGTH	SIZE	PIPE TYPE	SLOPE	UPSTREAM INVERT	
<u>,</u>	RIM = 10.48 SUMP = 7.23		RIM = 12.50 SUMP = 6.03	DI-501	RIM = 12.11 SUMP = 7.57	SDMH-1	DI-411	17.50'	15"	RCP	0.51%	7.59'	7.50'	CB-419	DI-416	27.40'	15"	RCP	0.50%	7.48'	7.34'
~	INV IN =7.23NE INV OUT = 7.23SV	DI-424	INV IN =7.03SW INV OUT = 7.03NE		INV OUT = 8.57N	JB-416A	JB-407A	++	24"	RCP	1.14%	7.00'	4.46'	CB-418	CB-417	29.30'	15"	CL IV RCP	0.40%	7.66'	7.54'
	RIM = 10.58		RIM = 7.00	DI-502	RIM = 10.75 SUMP = 7.14	JB-407A		118.34'	30"	RCP	0.48%	4.46'	3.89'	CB-417	DI-416	48.99'	15"	CL IV RCP		7.54'	7.34'
5	$\begin{array}{l} \text{SUMP} = 7.16 \\ \text{INV} \text{ IN} = 7.16 \\ \text{NE} \end{array}$	EW-4	INV IN =3.89S	DI-302	INV IN =8.14N INV OUT = 8.14S	DI-424	I-5A	15.00'	15"	CAP	0.22%	7.03'	7.00'	CB-410	SDMH-1	72.71'	15"	RCP	0.50%	7.95'	7.59'
	INV IN =7.16S INV OUT = 7.16S		RIM = 11.07		RIM = 10.75	DI-423	I-4A	16.00'	15"	CAP	0.42%	7.07'	7.00'	CB-409	DI-408	59.62'	15"	RCP	0.30%	7.38'	7.20'
	RIM = 10.55	—— I—4A	$\begin{array}{l} \text{SUMP} = 7.00 \\ \text{INV} \text{ IN} = 7.00 \text{NW} \end{array}$	DI-502A	SUMP = 7.14 $INV IN = 8.14N$	DI-422	CB-418	48.51'	15"	CL IV RCP	0.40%	7.85'	7.66'	CB-406	CB-409	72.73'	15"	RCP	0.50%	7.74'	7.38'
A	SUMP = 7.16 INV IN =7.16NE		RIM = 11.58		INV OUT = 8.14S	DI-421	I-4C	21.30'	18"	CAP	0.40%	7.09'	7.00'	CB-405A		84.00'	15"	RCP	0.51%	8.02'	7.59'
	INV OUT = 7.16SV	v I−4B	SUMP = 7.00 INV IN =7.00E	DI-503	RIM = 10.86 SUMP = 7.54	DI-416	JB-416A	64.81'	18"	DUAL 18" RCP		7.34'	7.00'		CB-406	78.03'	15"	RCP	0.50%	8.13'	7.74'
Ļ	RIM = 12.27 SUMP = 7.61		RIM = 11.25		INV OUT = 8.54S	DI-416	DI-421	62.85'	18"	RCP	0.40%	7.34'	7.09'	CB-404	CB-405	34.46'	15"	CL IV RCP	1.83%	8.76'	8.13'
	INV OUT = 7.61N	I-4C	SUMP = 7.00 INV IN = 7.00SE	EX. CB-318	RIM = 10.48 SUMP = 7.76	DI-415	I-4B	6.39'	15"	CAP	1.25%	7.08'	7.00'	CB-403	CB-404	106.80'	15"	CL IV RCP	0.50%	9.30'	8.76'
5	RIM = 11.49 SUMP = 6.08		RIM = 11.81		INV IN =7.76E	DI-414	DI-413	90.58'	15"	RCP	0.50%	7.61'	7.16'	CB-402	CB-403	88.45'	15"	CL IV RCP	0.50%	9.74'	9.30'
	INV OUT = 7.08W	I-5A	$\begin{array}{l} \text{SUMP} = 7.00 \\ \text{INV IN} = 7.00 \\ \text{SUMP} \end{array}$		RIM = 10.92 SUMP = 6.95	DI-413A	DI-413	4.01'	15"	RCP	0.00%	7.16'	7.16'	CB-401	CB-402	21.30'	15"	CL IV RCP	0.50%	9.85'	9.74'
	RIM = 10.64 SUMP = 6.34		RIM = 12.67	SDMH-2	INV IN =7.95N INV IN =7.95S	DI-413	DI-423	22.64'	15"	RCP	0.42%	7.16'	7.07'		JB-416A	139.40'	24"	RCP	0.50%	7.70'	7.00'
5	INV IN =7.34NE INV IN =7.34SW	I-5B	$\begin{array}{l} \text{SUMP} = 7.00 \\ \text{INV} \text{ IN} = 7.00 \\ \text{SUMP} \end{array}$		INV OUT = 7.95W	DI-412A	DI-413A	15.31'	15"	RCP	0.46%	7.23'	7.16'		ST0	RM DRAIN	IAGE P	PIPE DATA TA	ABLE – S	STRM - I3B	
	INV OUT = 7.34NV INV OUT = 7.34SE		RIM = 9.85		ABLE - STRM - 14-15	DI-412	DI-412A	3.97'	15"	RCP	0.00%	7.23'	7.23'	FROM	то						
	RIM = 11.10		$\begin{array}{l} \text{SUMP} = 4.46 \\ \text{INV IN} = 4.46 \\ \text{SW} \end{array}$	STR. NAME	DETAILS	DI-411	DI-412	53.12'	15"	RCP	0.51%	7.50'	7.23'								INVERT
	$\begin{array}{l} \text{SUMP} = 6.09 \\ \text{INV} \text{ IN} = 7.09 \\ \text{SUMP} \end{array}$		INV OUT = 4.46N		RIM = 11.46 SUMP = 7.59	DI-408	DI-424	75.34'	15"	RCP	0.22%	7.20'	7.03'		EX. CB-31				0.48		7.76'
	INV OUT = 7.09N		$\begin{array}{rcl} RIM &=& 9.56\\ SUMP &=& 7.00 \end{array}$	SDMH-1	INV IN =7.59SE INV IN =7.59NW	DI-407	JB-407A	22.85'	18"	RCP	2.54%	6.04'	5.46'	DI-503	DI-502A	109.99					8.14'
2	RIM = 11.10 SUMP = 6.85	JB-416A	INV IN =7.00NW INV IN =7.00SW		INV OUT = 7.59SW	DI-407	I-5B	20.91'	18"	CAP	0.50%	7.10'	7.00'	DI-502A	-	4.01'					8.14'
-	INV OUT = 7.85SV	V	INV OUT = 7.00NE			CB-424	DI-408	25.50'	15"	RCP	0.34%	7.29'	7.20'	DI-502	SDMH-2	37.99	_				7.95'
,	RIM = 10.91 SUMP = 6.07					CB-420	CB-419	29.30'	15"	RCP	0.50%	7.63'	7.48'	DI-501	SDMH-2	124.80	0' 15	o" RCP	0.50	<b>%</b> 8.57'	7.95'
5	INV IN =7.07NW INV OUT = 7.07SE	-																			· · · · · · · · · · · · · · · · · · ·
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		9/10 302		1.111E >		DI-503											$\langle \langle \rangle$				
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<u> </u>			<u>NOTE:</u>						N	MAHINA V			IASE 1B S	<b>NUUH</b>				Date:		Permi	τ #
			CONSTRUCTION AN WETLAND/CONSER		. NOT_DISTURB_THE E.						8	CALE: 1" = 5	N.					Signed:			
	SEAL									$\sim$								TF:	17MAR16		M&C FILE NUMBER
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SMCKIM&CREED 243 North Front Street Wilmington, North Carolina 28401 Phone: (910)343-1048, Fax: (910)251-8282 License: F-1222 www.mckimcreed.com

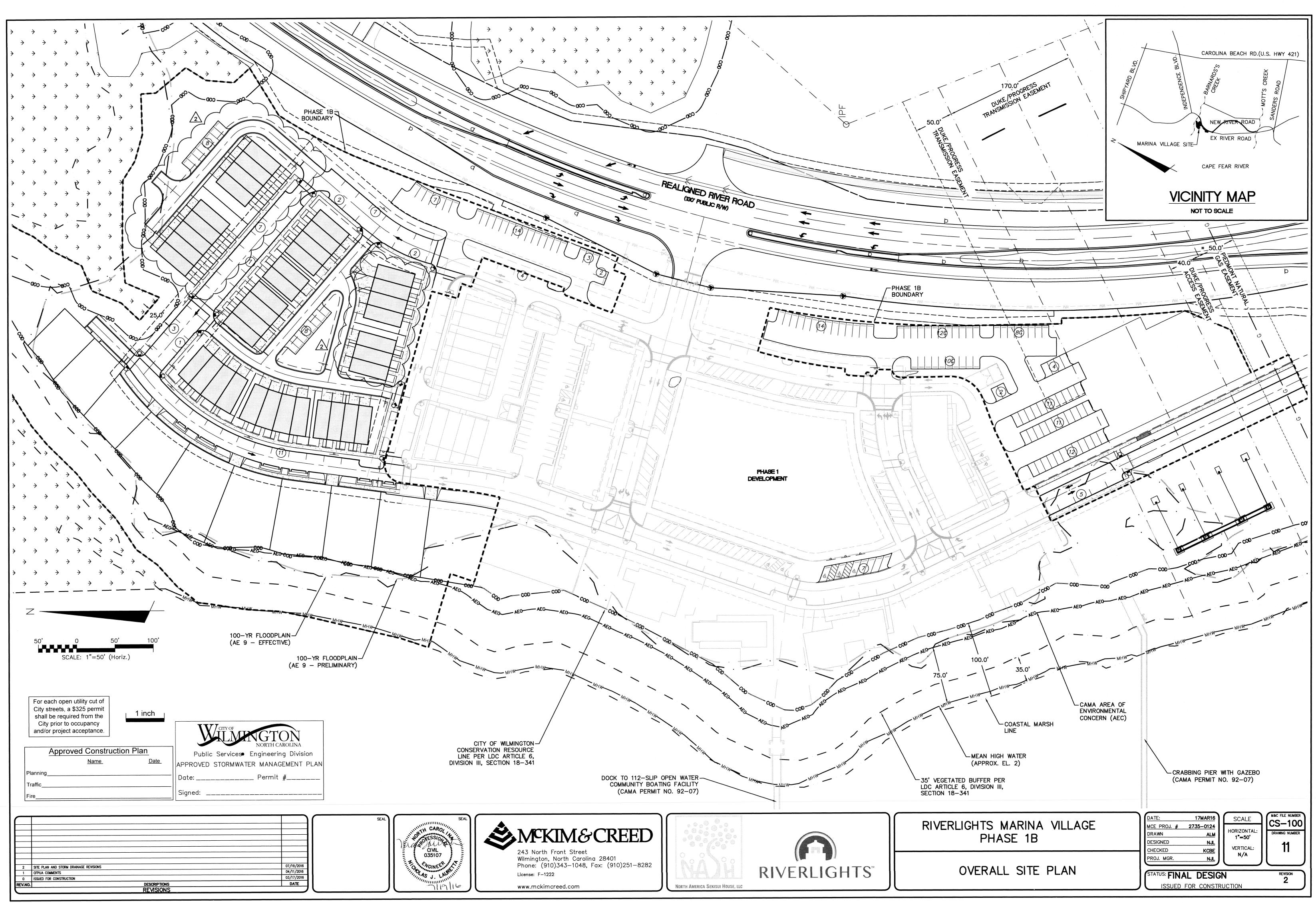
**RIVERLIGHTS**<sup>™</sup> NORTH AMERICA SEKISUI HOUSE, LLC



STATUS: FINAL DESIGN

ISSUED FOR CONSTRUCTION

REVISION 2



Marina Village/80-Drawings/Phase 1B\CS-103.dwg, 7/18/2016 5:03:23 P.

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SITE DATA TABLE	MARINA VILLAG	E – PHASE 1E	
			/
TAX PARCEL IDENTIFICATION NUMBER ZONING DISTRICT		-009-000 -MX	
CAMA LAND USE CLASSIFICATION			
TOTAL ACREAGE WITHIN THE RIVERLIGHTS BOUNDARY TOTAL ACREAGE WITHIN THE MARINA VILLAGE BOUNDARY		(57,909,100 SF) (1,684,343 SF)	-  ```
TOTAL ACREAGE OF COASTAL WETLANDS		· · · · · · · · · · · · · · · · · · ·	<u> </u>
TOTAL PROJECT AREA (STORMWATER PROJECT AREA)		(1,049,628 SF) 1.76 ACRES)	PARKING C
TOTAL ACREAGE WITHIN THE MARINA VILLAGE - PHASE 1B	9.84 ACRES	(428,668 SF)	
BUILDING SETBACKS AND SEPARATIONS (MX ZONING) FRONT		PROPOSED N/A	(48) TOWNHOMES (
REAR	N/A	N/A	(24) APARTMENTS ( (10) SINGLE FAMILY (
SIDE (INTERIOR) SIDE (CORNER)		N/A N/A	RESTAURANTS (1 SP/
TOTAL BUILDING(S) SIZE (SQUARE FOOTAGE)	68,00	0 SF	ART GALLERY (1 SPAC
NC BUILDING CODE CONSTRUCTION TYPE BUILDING LOT COVERAGE		· · · · · · · · · · · · · · · · · · ·	RETAIL (1 SPAC
NUMBER OF BUILDINGS			PARKING SPACES PRO
TOTAL AMOUNT OF DISTURBED AREA TOTAL ACRES WITHIN 100-YR FLOODPLAIN/BELOW MHW MARK		28,450 SF) 5 (513 SF)	PARKING SPACES PR
TOTAL ACRES WITHIN WETLANDS (DWQ PROJECT #07-1335)	N/	Ά	PARKING SPACES COMPACT CAR
			BICYCLE PARKING
IMPERVIOUS AREA (EXISTING	52,249		BICYCLE PARKING HANDICAP
ROOF TOPS ROADWAYS	92,792		HANDICAP
ROOF TOPS ROADWAYS PARKING	0	SF	
ROOF TOPS ROADWAYS	0 35,408	SF	SURFACE MATER
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ROOF TOPS ROADWAYS PARKING SIDEWALKS OTHER TOTAL PRE DEVELOPMENT/% IMPERVIOUS AREA (PRO	0 35,408 0 180,449/17.2 POSED)	SF SF SF/%	
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ROOF TOPS ROADWAYS PARKING SIDEWALKS OTHER TOTAL PRE DEVELOPMENT/% IMPERVIOUS AREA (PRO ROOF TOPS ROADWAYS PARKING PERVIOUS PARKING (75% REDUCTION)	0 35,408 0 180,449/17.2 POSED) 71,516 51,562 43,575 0 0	SF SF/% SF/% SF SF SF SF SF SF	ASPHA
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ROOF TOPS ROADWAYS PARKING SIDEWALKS OTHER TOTAL PRE DEVELOPMENT/% IMPERVIOUS AREA (PRO ROOF TOPS ROADWAYS PARKING PERVIOUS PARKING (75% REDUCTION) SIDEWALKS PERVIOUS SIDEWALK (75% REDUCTION)	0 35,408 0 180,449/17.2 POSED) 71,516 51,562 43,575 0 0 22,078 0 0 0 0 0 0 0	SF     SF     SF/%     SF     SF <td>ASPHA ASPHA ASPHA GRAVI GRAVI</td>	ASPHA ASPHA ASPHA GRAVI GRAVI
ROOF TOPS ROADWAYS PARKING SIDEWALKS OTHER TOTAL PRE DEVELOPMENT/% IMPERVIOUS AREA (PRO ROOF TOPS ROADWAYS PARKING PERVIOUS PARKING (75% REDUCTION) SIDEWALKS PERVIOUS SIDEWALK PERVIOUS SIDEWALK (75% REDUCTION) FUTURE ALLOTMENT OTHER TOTAL S.F. (ONSITE IMPERVIOUS AREA) PERCENTAGE (ONSITE IMPERVIOUS AREA/ONSITE AREA)	0 35,408 0 180,449/17.2 DPOSED) 71,516 51,562 43,575 0 0 22,078 0 0 22,078 0 0 0 0 188,731 188,731	SF     SF     SF/%     SF/%     SF     SF <	ASPHA ASPHA ASPHA GRAVE
ROOF TOPS ROADWAYS PARKING SIDEWALKS OTHER TOTAL PRE DEVELOPMENT/% IMPERVIOUS AREA (PRO ROOF TOPS ROADWAYS PARKING PERVIOUS PARKING (75% REDUCTION) SIDEWALKS PERVIOUS SIDEWALK (75% REDUCTION) FUTURE ALLOTMENT OTHER TOTAL S.F. (ONSITE IMPERVIOUS AREA)	0 35,408 0 180,449/17.2 DPOSED) 71,516 51,562 43,575 0 0 22,078 0 0 22,078 0 0 0 188,731 188,731 18.0 17.2	SF     SF     SF/%     SF/%     SF     SF <	SURFACE MATER ASPH/ ASPH/ ASPH/ GRAVE

07/19/2016

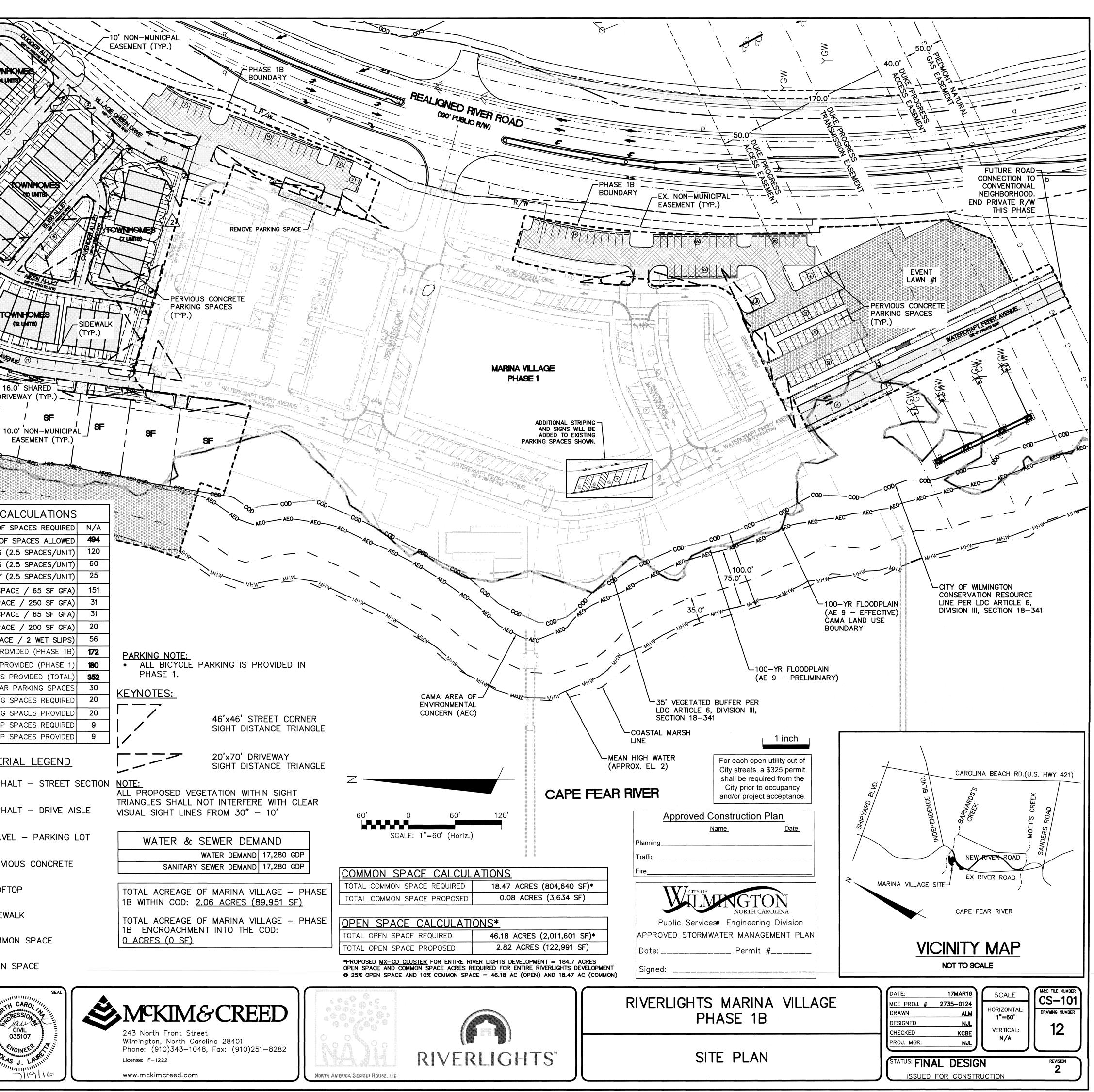
04/11/2016 03/17/2016 DATE

SITE PLAN AND STORM DRAINAGE REVISIONS

DESCRIPTIONS

CFPUA COMMENTS

ISSUED FOR CONSTRUCTION

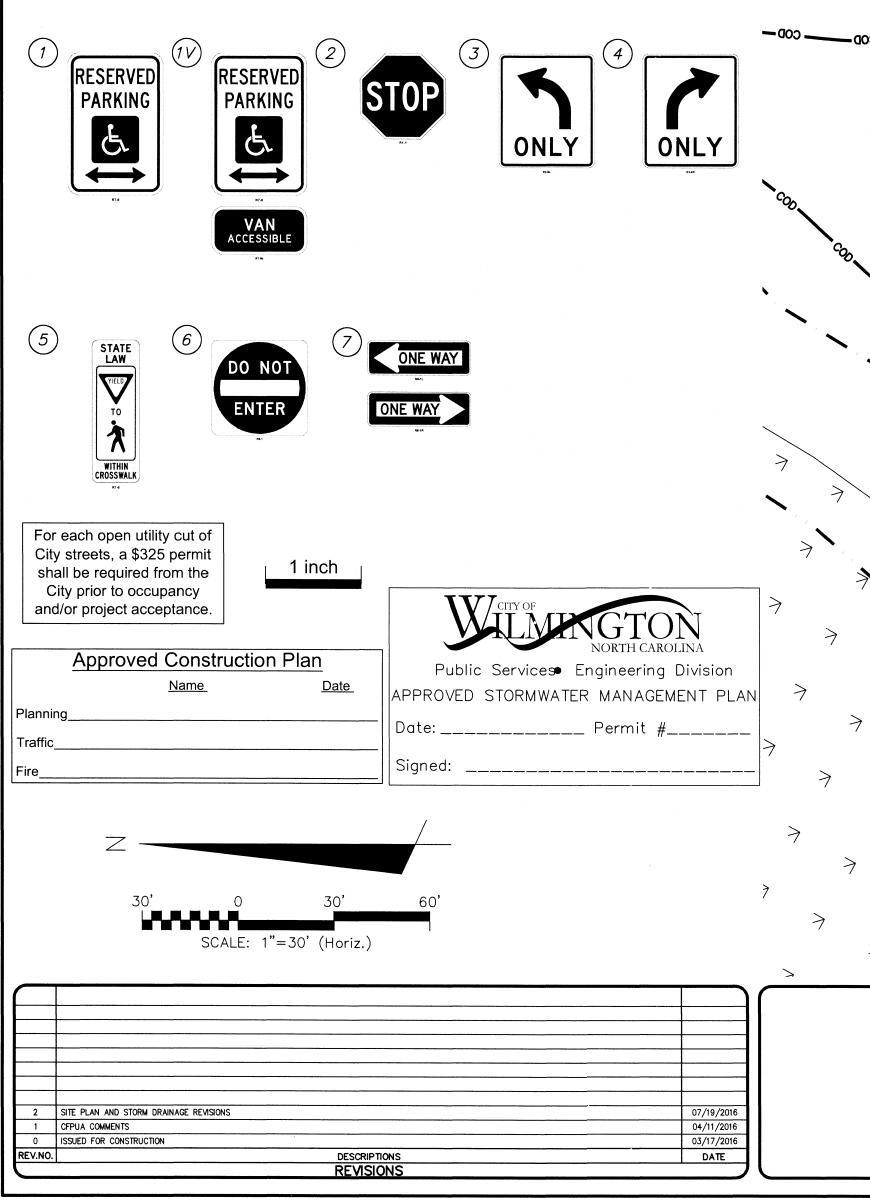


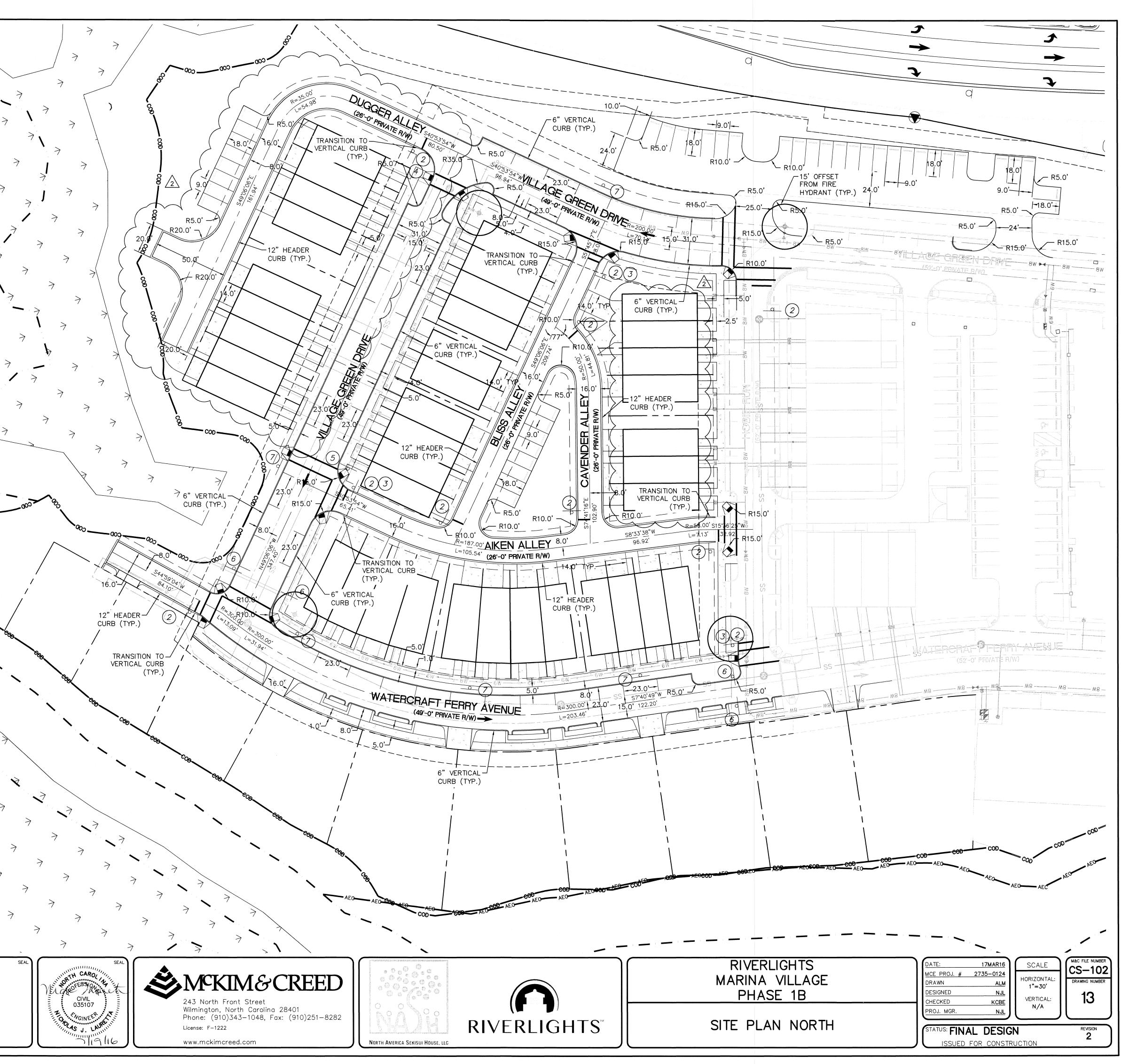
## CITY OF WILMINGTON NOTES:

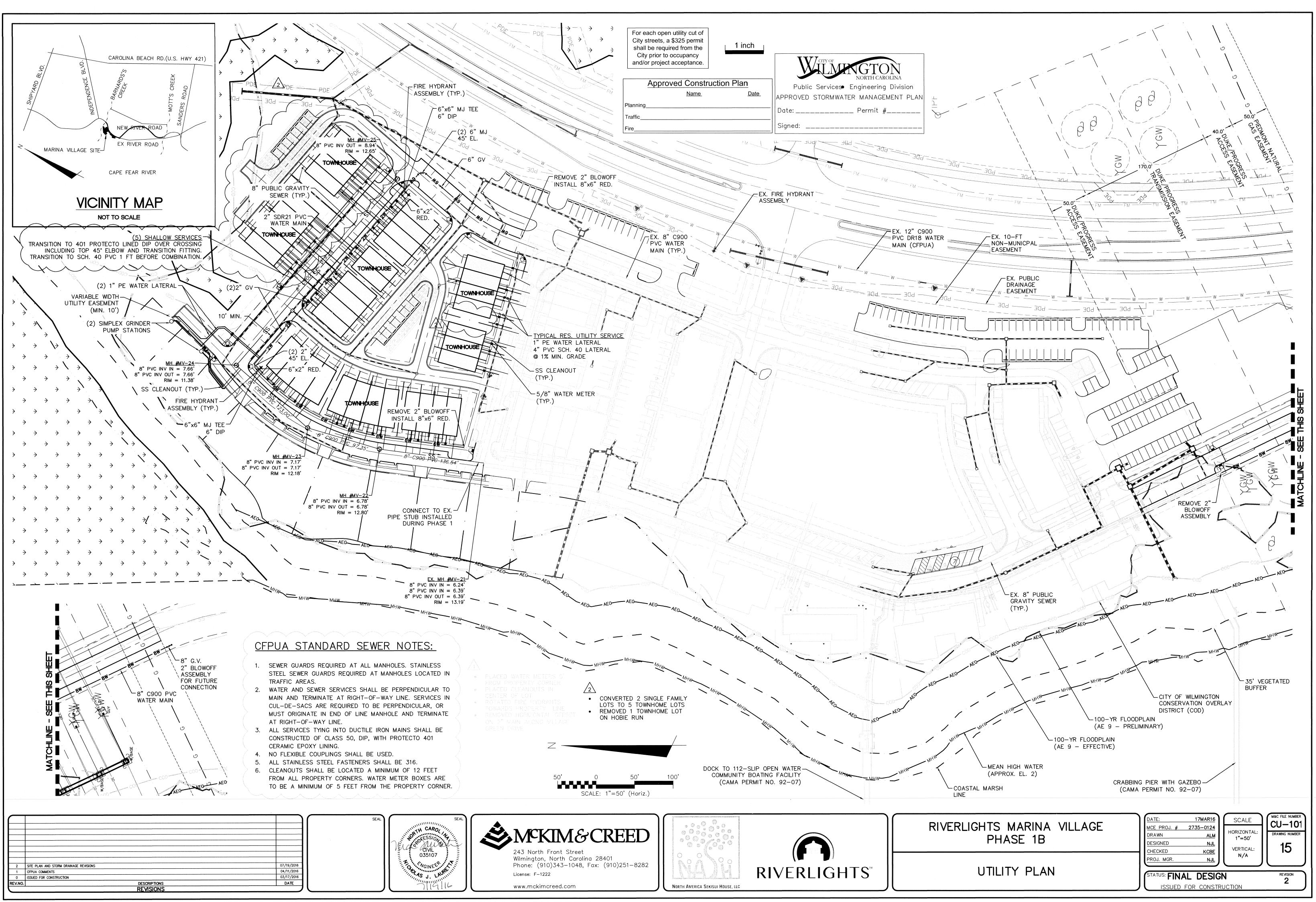
- 1. ALL PARKING STALL MARKINGS AND LANE ARROWS WITHIN THE PARKING AREAS SHALL BE WHITE.
- 2. ALL TRAFFIC CONTROL SIGNS AND MARKINGS OFF THE RIGHT-OF-WAY ARE TO BE MAINTAINED BY THE PROPERTY OWNER IN ACCORDANCE WITH MUTCD STANDARDS. 3. A UTILITY CUT PERMIT IS REQUIRED FOR EACH OPEN CUT OF A CITY STREET. CONTACT 341-5888
- FOR MORE DETAILS. IN CERTAIN CASES AN ENTIRE RESURFACING OF THE AREA BEING OPEN CUT MAY BE REQUIRED.
- 4. A LANDSCAPING PLAN INDICATING THE LOCATION OF REQUIRED STREET TREES SHALL BE SUBMITTED TO THE CITY OF WILMINGTON TRAFFIC ENGINEERING DIVISION AND PARKS AND RECREATION DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO THE RECORDING OF THE FINAL PLAT.
- ZERO LOT LINES ARE PERMITTED. 5.
- 6. BUILDINGS LOCATED ON THE PERIPHERY OF THE MX DISTRICT SHALL BE SET BACK A MINIMUM OF 20 (TWENTY) FEET FROM THE MX DISTRICT BOUNDARY.
- 7. ZONING AND LAND USE OF ADJACENT PROPERTIES IS AS FOLLOWS: NORTH - FUTURE MX-CD / TRANSITION
  - SOUTH FUTURE MX-CD / TRANSITION AND CONSERVATION AREA
  - WEST FUTURE MX-CD / TRANSITION
- EAST 1-2 / TRANSITION AND CONSERVATION AREA 8. INSTALL REFLECTORS PER CITY AND NCDOT STANDARDS. TRAFFIC ENGINEERING MUST APPROVE OF PAVEMENT MARKING LAYOUT PRIOR TO ACTUAL STRIPING.
- 9. IT SHALL BE THE RESPONSIBILITY OF THE SUBDIVIDER TO ERECT OFFICIAL STREET NAME SIGNS AT ALL INTERSECTIONS ASSOCIATED WITH THE SUBDIVISION IN ACCORDANCE WITH THE TECHNICAL STANDARDS ightarrowAND SPECIFICATION MANUAL. THE SUBDIVIDER MAY ACQUIRE AND ERECT OFFICIAL STREET NAME SIGNS OR CHOOSE TO CONTRACT WITH THE CITY TO INSTALL THE STREET SIGNS AND THE SUBDIVIDER SHALL PAY THE COSTS OF SUCH INSTALLATION. CONTACT TRAFFIC ENGINEERING AT 341-7888 TO DISCUSS INSTALLATION OF TRAFFIC AND STREET NAME SIGNS. PROPOSED STREET NAMES MUST BE APPROVED PRIOR TO INSTALLATION OF STREET NAME SIGNS.
- 10. CONTACT TRAFFIC ENGINEERING AT 341-7888 FORTY-EIGHT HOURS PRIOR TO ANY EXCAVATION IN THE RIGHT OF WAY.
- 11. IF THESE UNITS ARE SOLD AT ANY POINT, THE BUYER MUST RECEIVE A SUBDIVISION STREET DISCLOSURE STATEMENT.

### **GENERAL NOTES:**

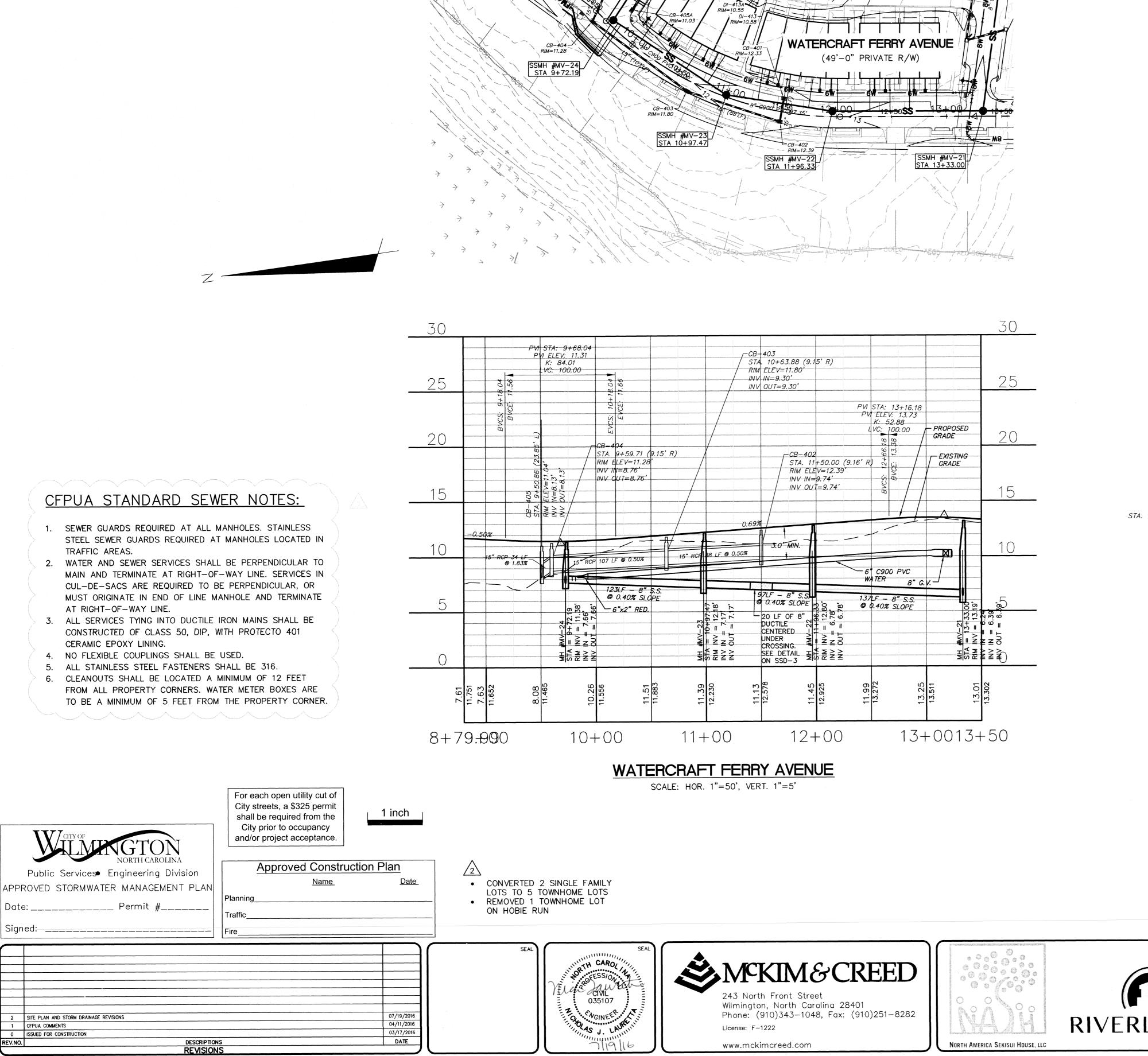
- 1. FLOODPLAIN INFORMATION WAS OBTAINED FROM NC FLOODPLAIN MAPPING FLOOD RISK INFORMATION SYSTEM PROGRAM. RIVERLIGHTS IS LOCATED WITHIN FIRM MAP 3720312400K, PANEL 3124 AS REVISED JUNE 02, 2006.
- 2. ITEMS DESIGNATED AS "PROPOSED" ARE PART OF THE RIVER ROAD REALIGNMENT PROJECT THAT IS CURRENTLY UNDER CONSTRUCTION. RIVER ROAD CONSTRUCTION TO BE COMPLETE SPRING 2016.
- 3. WETLANDS SHOWN IN THIS PORTION OF RIVERLIGHTS WERE DESCRIBED AS BRACKISH/SALT MARSH AND POCOSIN WETLANDS AND CONSERVATION RESOURCE SETBACK LINES WERE GENERATED AS 100' AND 25', RESPECTIVELY, MINIMUM OUTSIDE OF THE RESOURCE.
- 4. FINISHED FLOOR ELEVATIONS OFF ALL INHABITABLE STRUCTURES WILL BE MIN. 2-FEET ABOVE BASE FLOOD ELEVATION
- 5. RIVERLIGHTS PHASE 1 MARINA VILLAGE COMMUNITY DOES NOT CONTAIN ANY LOCAL, STATE, OR FEDERALLY RECOGNIZED HISTORIC STRUCTURES OR ARCHEOLOGICAL SITES ON SITE. RIVERLIGHTS WAS ISSUED A NOTICE OF NO FURTHER ACTION LETTER DATED JUNE 2, 2008 FOLLOWING COMPLETION OF AN EA/SEPA DOCUMENT.
- 6. EXISTING THOROUGHFARES, BIKE ROUTES, PEDESTRIAN SIDEWALKS OR TRAILS AND TRANSITS FACILITIES DO NOT EXIST ON SITE.

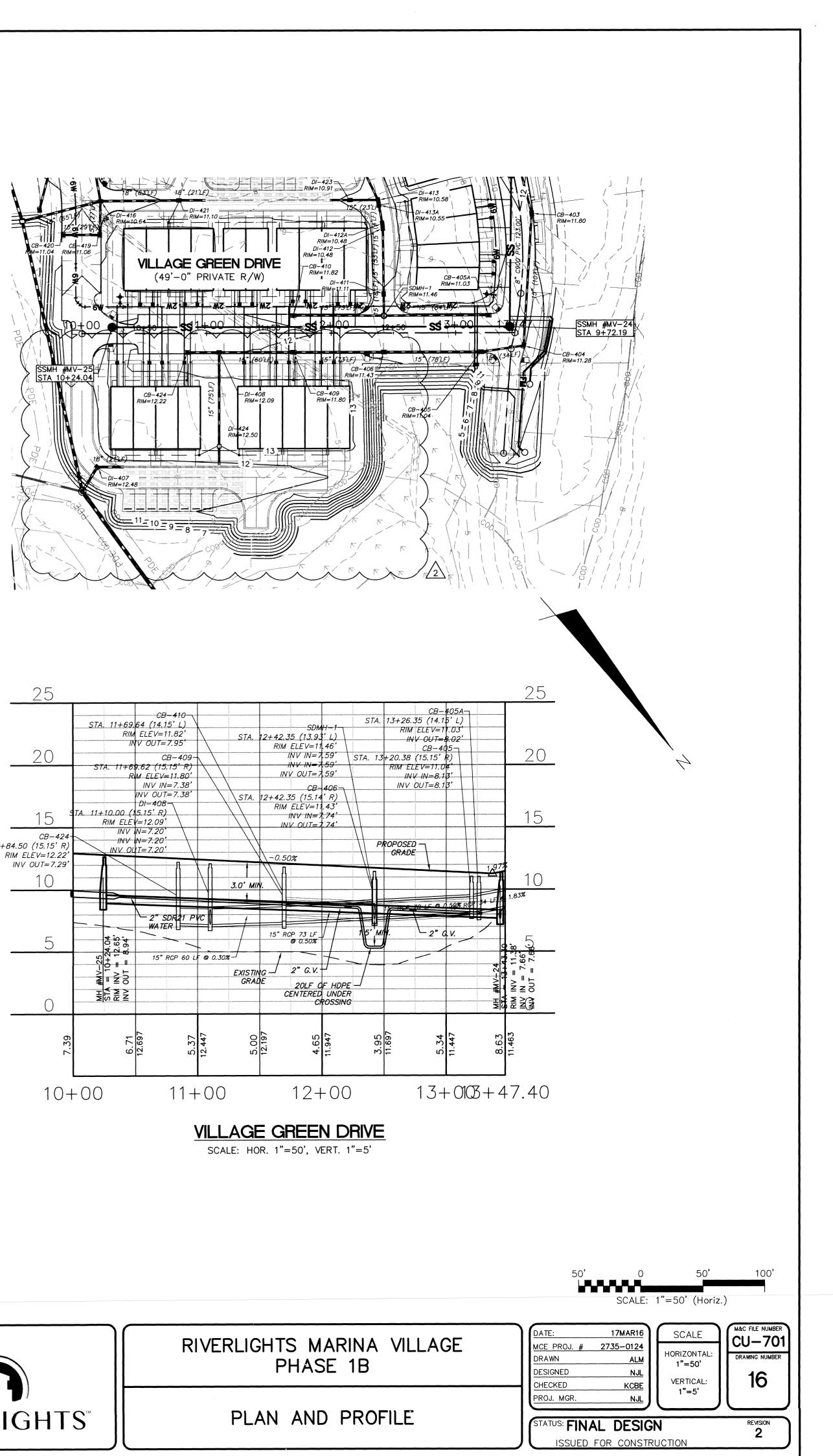


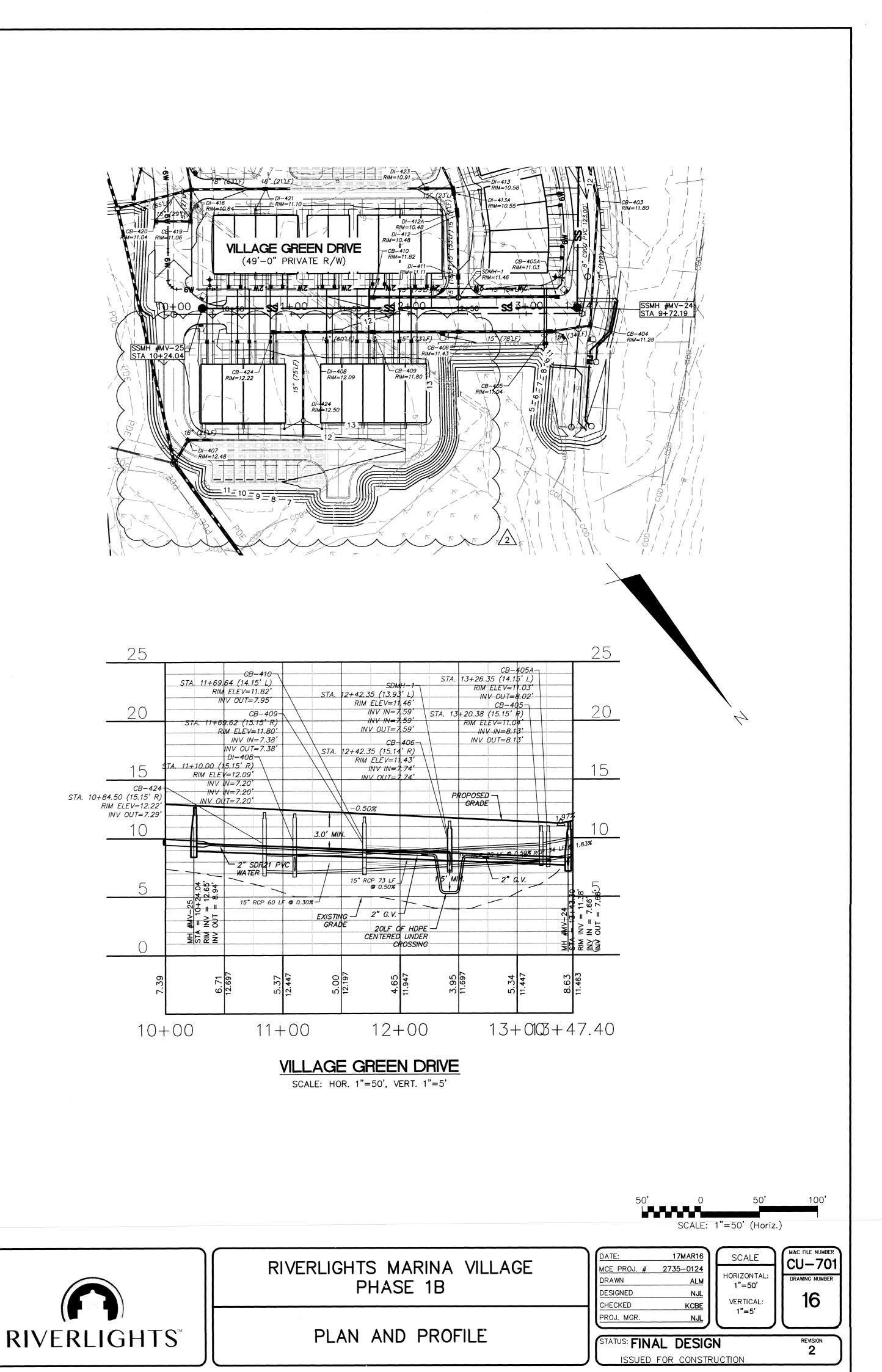


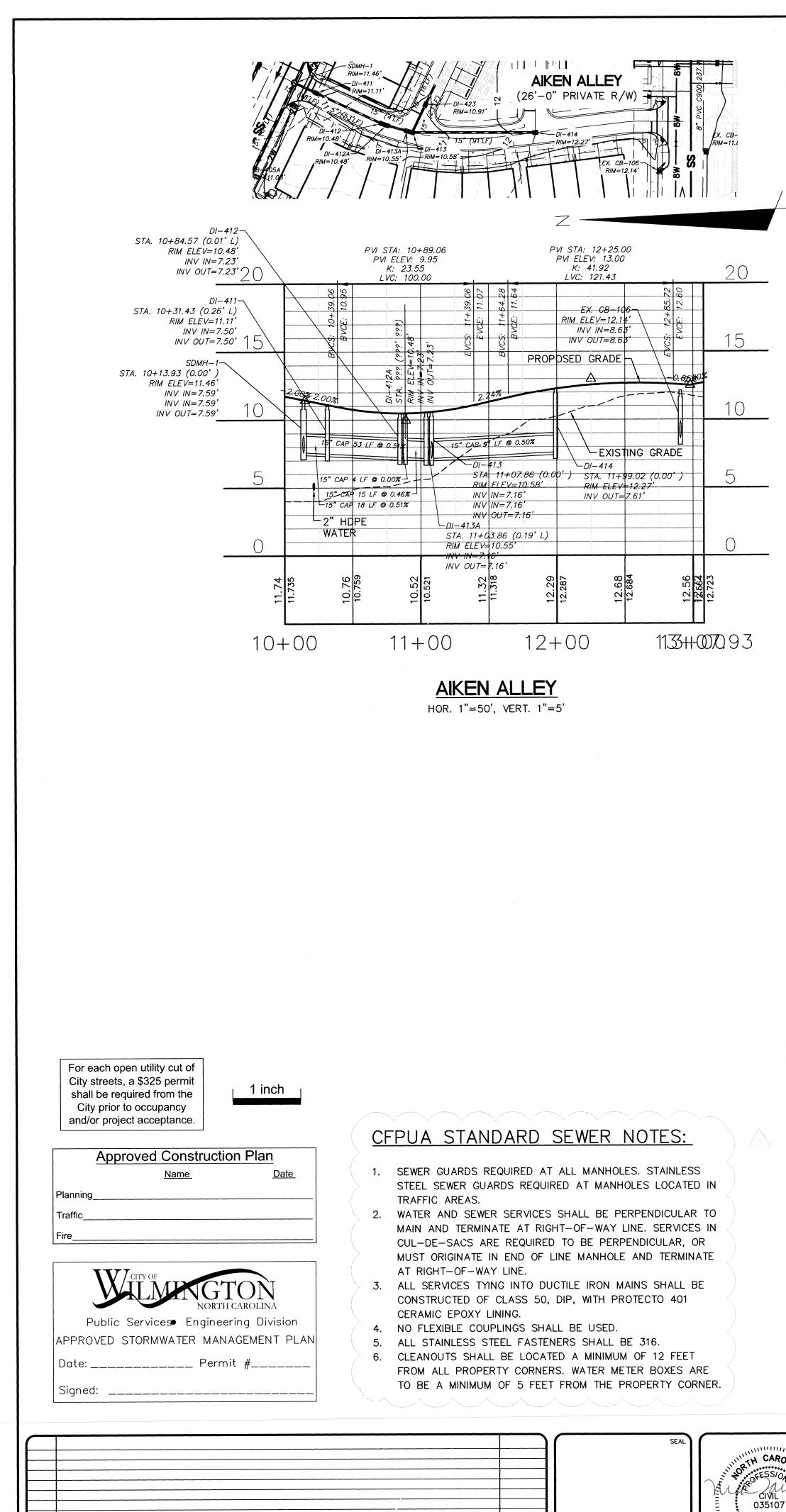


REV.NO.	DESCRIPTIONS REVISIONS	DATE	
	ISSUED FOR CONSTRUCTION	03/17/2016	""
1	CFPUA COMMENTS	04/11/2016	11,00
2	site plan and storm drainage revisions	07/19/2016	10
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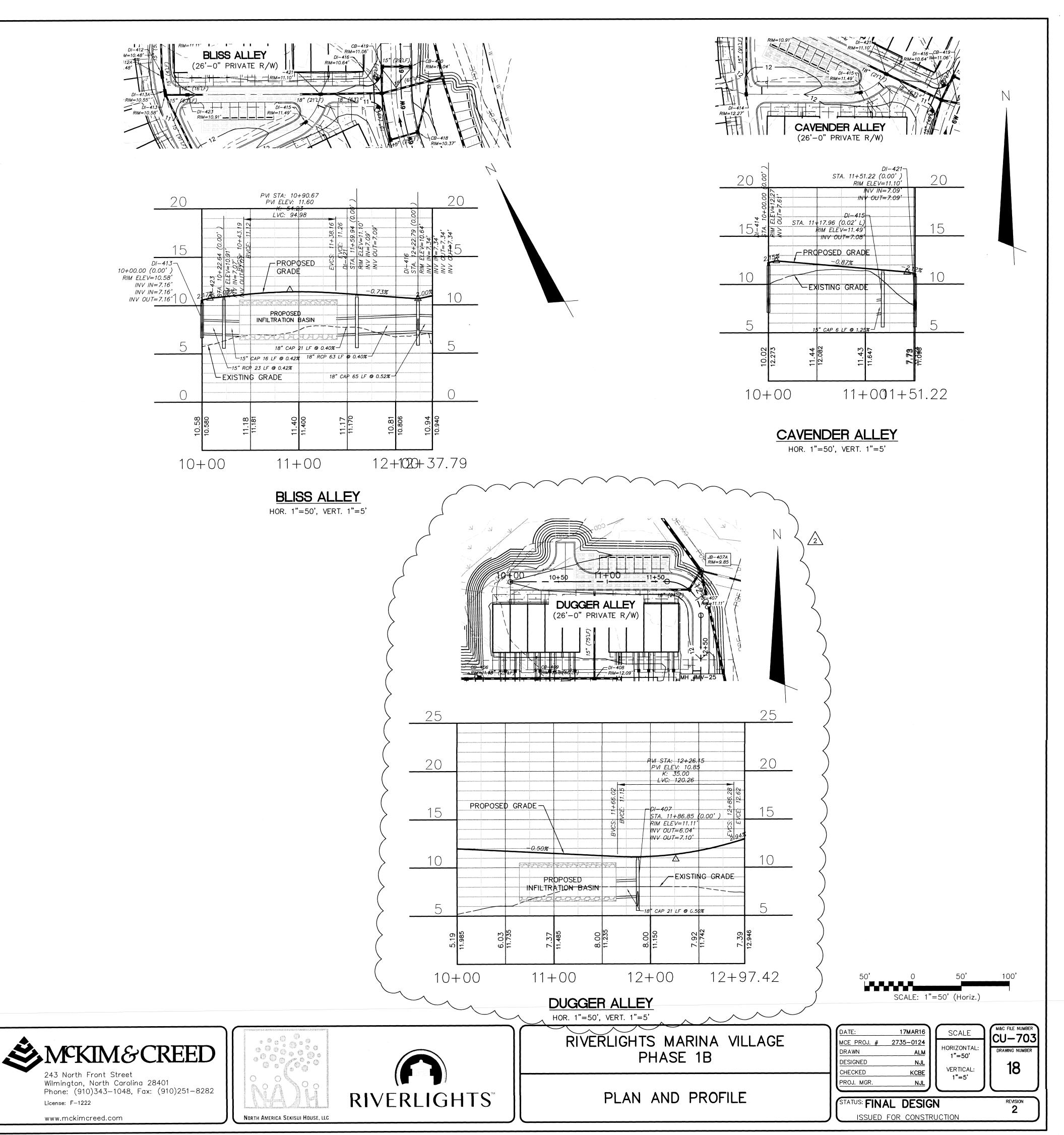
2 SITE PLAN AND STORM DRAINAGE REVISIONS 1 CIFIPUA COMMENSIS 0 ISSUED FOR CONSTRUCTION

REV.NO.

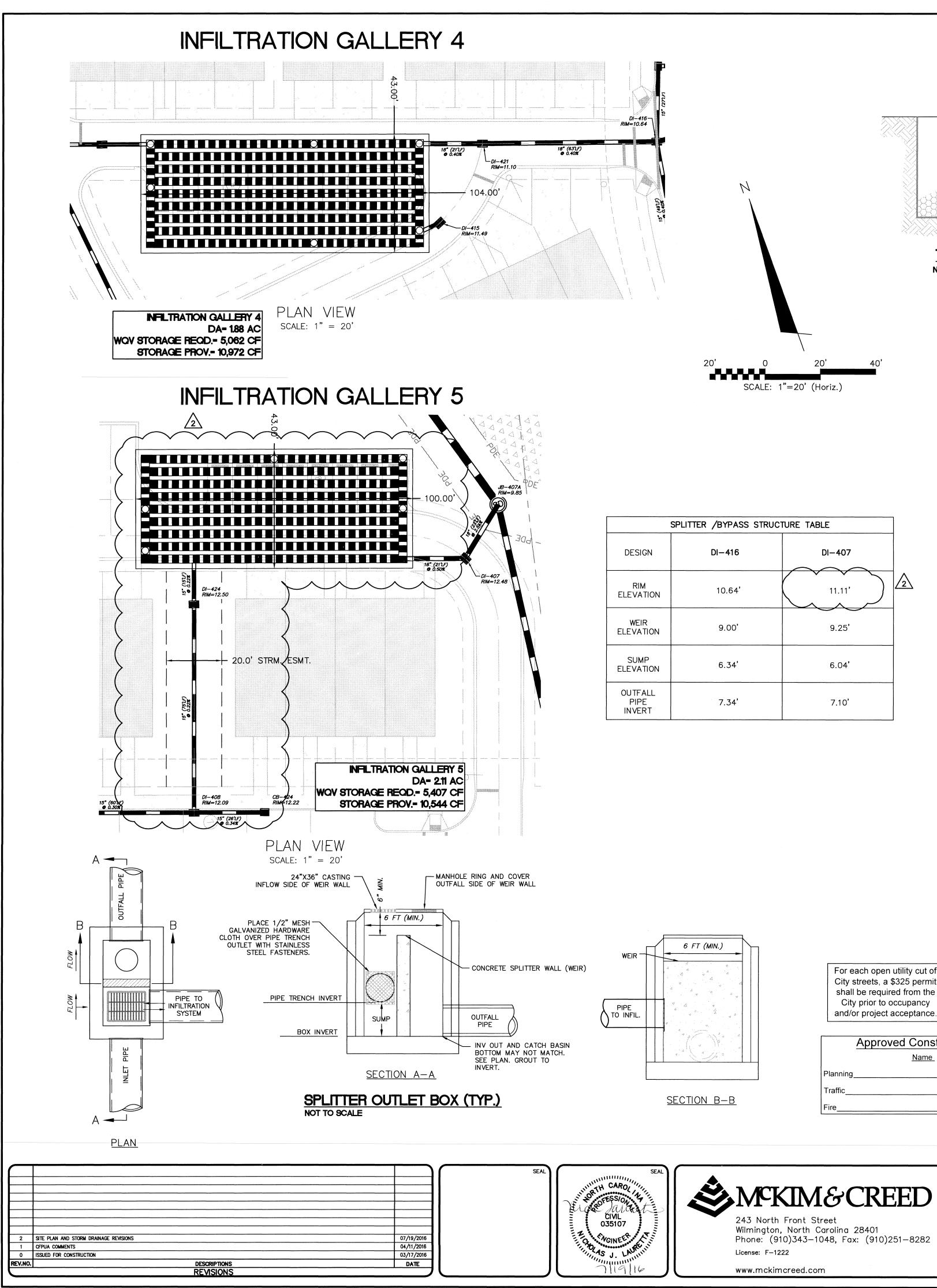
DESCRIPTIONS REVISIONS

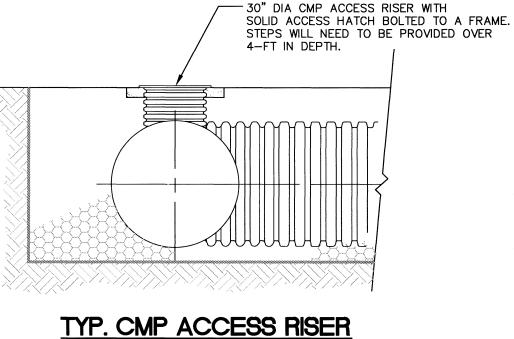
VGINE

7116116



<sup>07/19/201</sup> 04/11//2066 DATE





NOT TO SCALE

	SPLITTER /BYPASS STRUC	TURE TABLE	
DESIGN	DI-416	DI-407	
RIM ELEVATION	10.64'		2
WEIR ELEVATION	9.00'	9.25'	
SUMP ELEVATION	6.34'	6.04'	
OUTFALL PIPE INVERT	7.34'	7.10'	

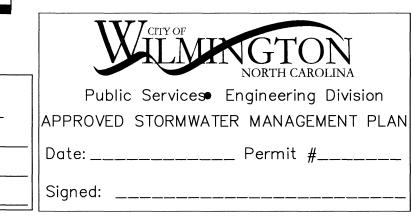
INF	ILTRATION TRENCH S	YSTEM_TABLE	
DESIGN	INFILTRATION GALLERY 4	INFILTRATION GALLERY 5	J
# OF RUNS	9	9	<
LENGTH PER RUN	100'	96'	<
PIPE DIAMETER (IN)	36"CAP	36"CAP	<
MIN. X (IN)	2'	2'	< <
MIN. S (IN)	1/2 DIA. OF PIPE	1/2 DIA. OF PIPE	<
TRENCH WIDTH (FT)	43'	43'	<
TRENCH LENGTH (FT)	104'	100'	< <
SHWT ELEVATION	4.50'	4.50'	<
TRENCH BOTTOM ELEVATION	6.50'	6.50'	<
PIPE TRENCH INVERT	7.00'	7.00'	<
TRENCH TOP ELEVATION	10.50'	10.50'	<
10-YR WSEL	9.25'	9.61'	1

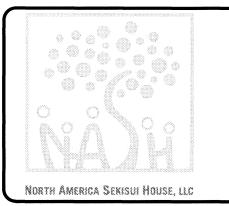
SHWT AND HIGH RIVER ELEVATIONS TAKEN FROM SITE & SOILS EVALUATION REPORT BY ECS CAROLINAS, LLP DATED FEBRUARY 18, 2015 FOR NEWLAND COMMUNITIES,

2. EXISTING ELEVATIONS TAKEN FROM COMBINATION OF FIELD MEASUREMENTS AND TOPOGRAPHY SURVEY BY MCKIM & CREED, INC.

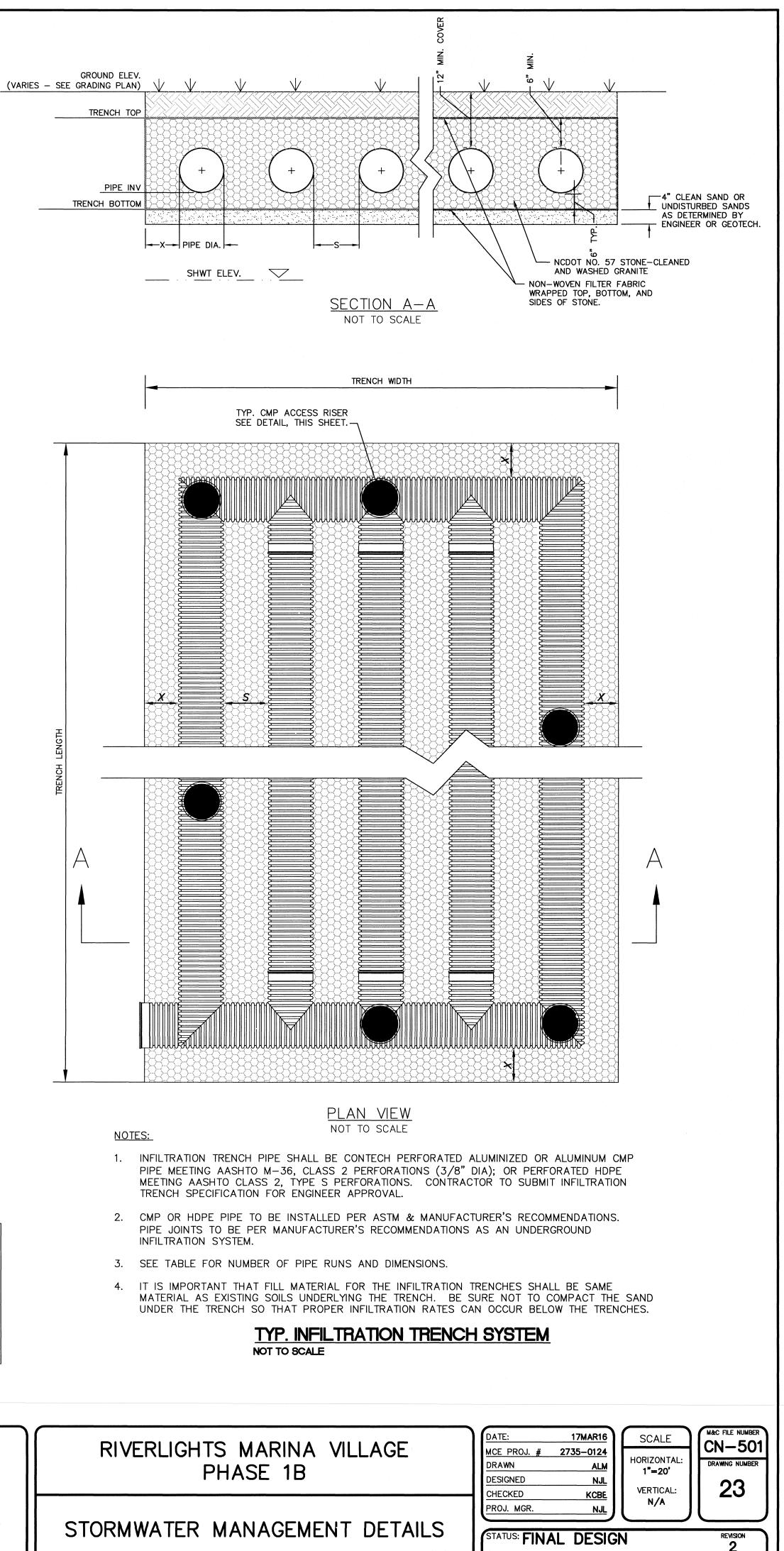
For each open utility cut of City streets, a \$325 permit 1 inch shall be required from the City prior to occupancy and/or project acceptance. Approved Construction Plan <u>Date</u> <u>Name</u>

LLC.

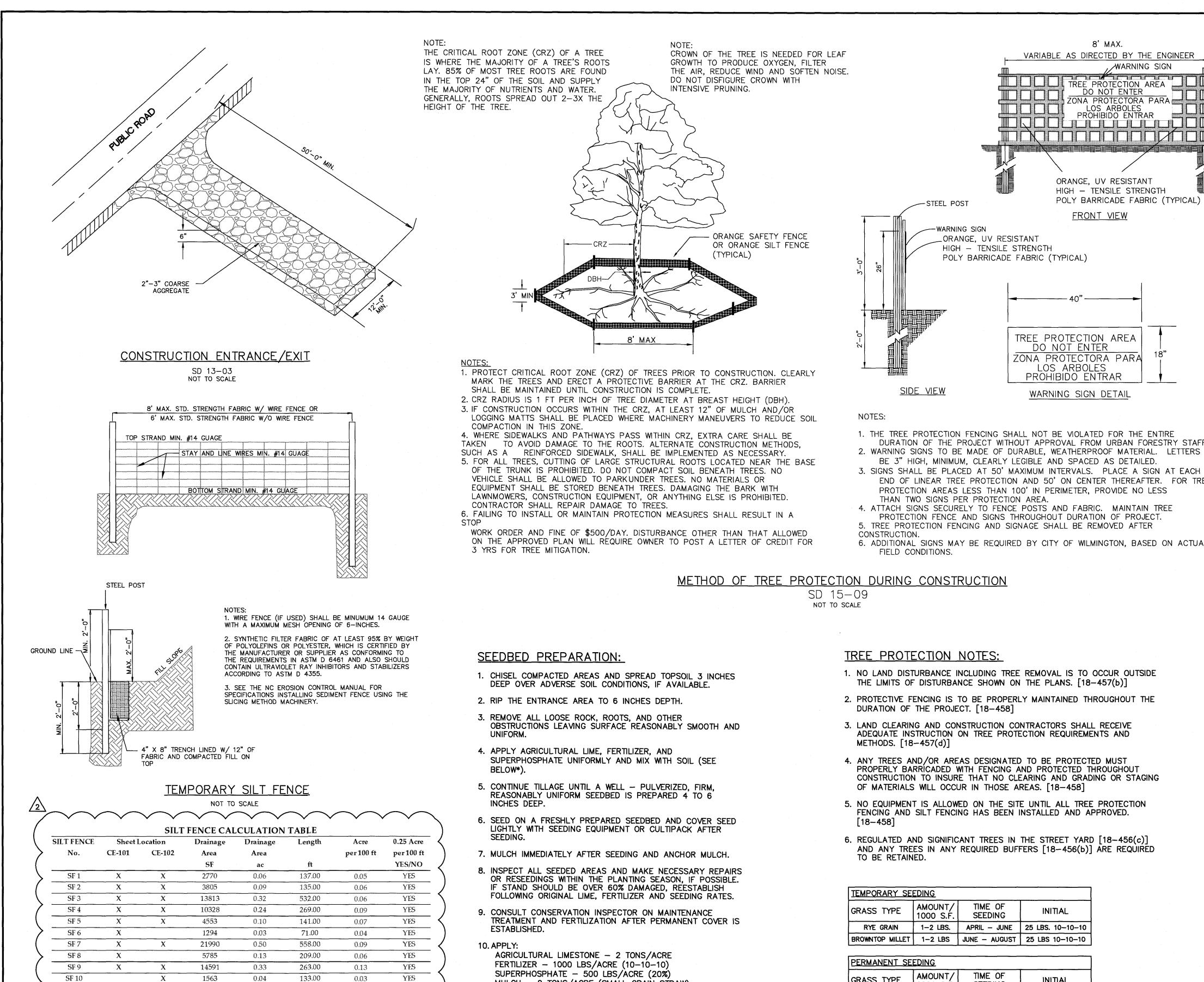








ISSUED FOR CONSTRUCTION



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		SE
site plan and storm drainage revisions	07/19/2016	
CFPUA COMMENTS	04/11/2016	
Issued for construction	03/17/2016	
DESCRIPTIONS	DATE	
REVISIONS		l

0.52

0.04

304.00

107.00

YES

YES

0.17

0.03

22675

1626

X

X

SF 11

SF 13

- X

1. THE TREE PROTECTION FENCING SHALL NOT BE VIOLATED FOR THE ENTIRE DURATION OF THE PROJECT WITHOUT APPROVAL FROM URBAN FORESTRY STAFF.

- 2. WARNING SIGNS TO BE MADE OF DURABLE, WEATHERPROOF MATERIAL. LETTERS TO
- 3. SIGNS SHALL BE PLACED AT 50' MAXIMUM INTERVALS. PLACE A SIGN AT EACH END OF LINEAR TREE PROTECTION AND 50' ON CENTER THEREAFTER. FOR TREE
- 6. ADDITIONAL SIGNS MAY BE REQUIRED BY CITY OF WILMINGTON, BASED ON ACTUAL

MULCH - 2 TONS/ACRE (SMALL GRAIN STRAW) ANCHOR - ASPHALT EMULSION AT 450 GAL/ACRE

035107

GINEE

7/19/16

1-2 LBS | MARCH - APRIL | 25 LBS 10-10-10

TEMPORARY SE	r		
GRASS TYPE	AMOUNT/ 1000 S.F.	TIME OF SEEDING	INITIAL
RYE GRAIN	1-2 LBS.	APRIL – JUNE	25 LBS. 10-10-10
BROWNTOP MILLET	1-2 LBS	JUNE - AUGUST	25 LBS 10-10-10
DEDMANENT CE			
PERMANENT SE	EDING	<b></b>	
<u>PERMANENT SE</u> GRASS TYPE	EDING AMOUNT/ 1000 S.F.	TIME OF SEEDING	INITIAL
	AMOUNT/		
GRASS TYPE BERMUDA,	AMOUNT/ 1000 S.F.	SEEDING	INITIAL 25 LBS. 10–10–10 25 LBS 10–10–10

LESPEDEZA

(SLOPES



www.mckimcreed.com

**RIVERLIGHTS**<sup>\*</sup>

NORTH AMERICA SEKISUI HOUSE, LLC

PLASTIC OR WIRE TIES

GRADE

2' MIN. \_\_\_NATURAL GROUND

- TEMP. LINER & TEMP. SEEDIN

**Temporary Perimeter Dike Calculations** TEMPORARY ROCK CHECK DAMS CHECK DAM NUMBER NUMBER Perm Dike | LENGTH | HIGH | LOW | ELEVATION | SLOPE | VELOCITY Manning (FT) NUMBER (FT) (FT) | DIFF. (FT) | (%) (FPS) LINING SPACING (FT) REQUIRED PROVIDED n 156 12.53 7.00 5.53 3.54 1.41 GRASS 0.035 56 3 3

# TEMPORARY CHANNEL LINER SPECIFICATION: 1. SEE TEMPORARY PERIMETER DIKE CHART FOR LINER TYPE AND CHECK DAM SPACING.

2. MIN. SHEAR STRENGTH: STRAW WITH NET (OR APPROVED EQUAL) - 1.45 LBS/FT<sup>2</sup>

\* ALL RATINGS ABOVE ARE MINIMUM SHEAR STRENGTH REQUIREMENTS FOR THE LINER BASED ON UNVEGETATED CONDITIONS.

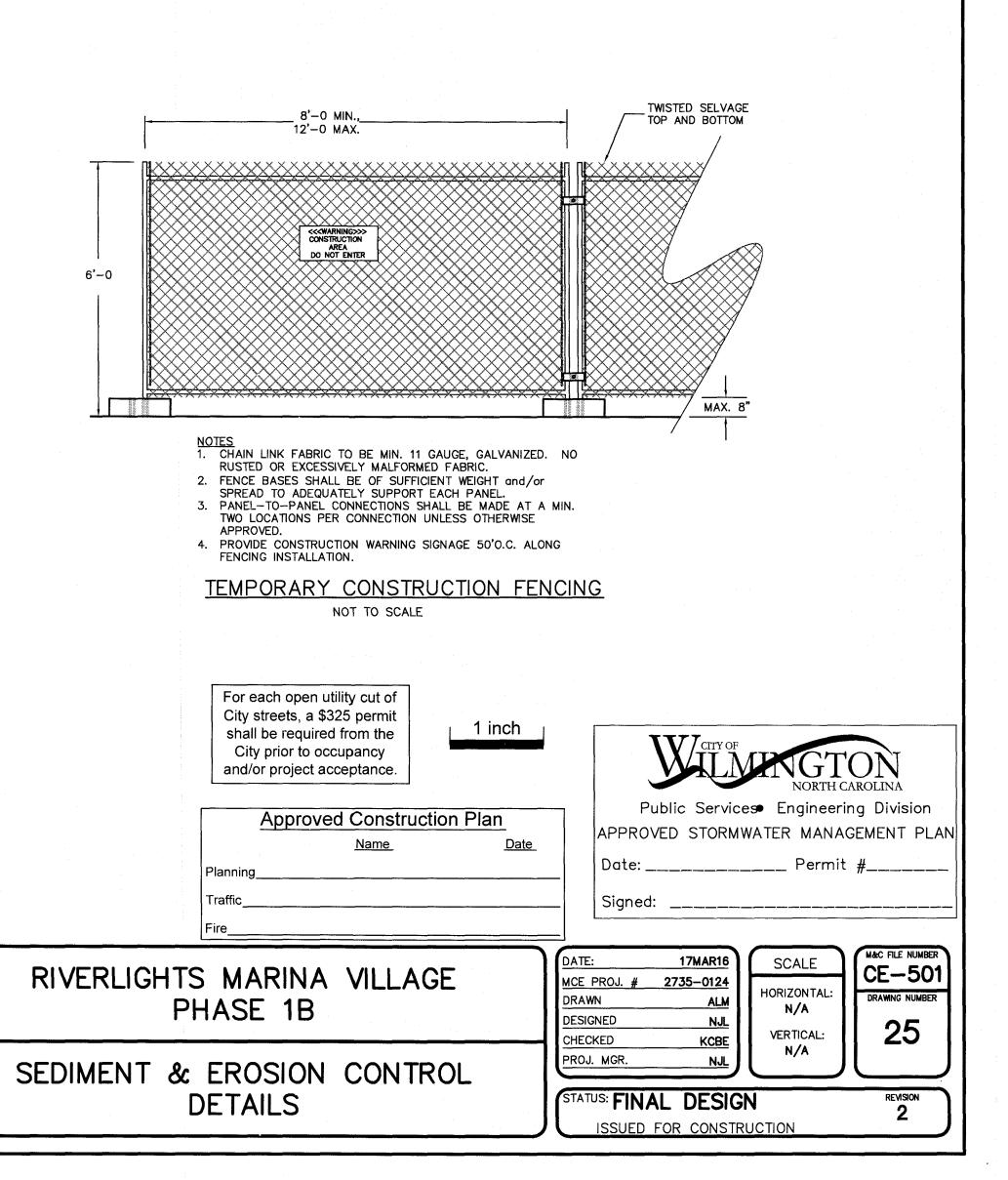
CONSTRUCTION SPECIFICATION

1. GRADE THE SURFACE OF INSTALLATION AREAS SO THAT THE GROUND IS SMOOTH AND LOOSE. 2. WHEN SEEDING PRIOR TO INSTALLATION, FOLLOW THE STEPS FOR SEED BED PREPARATION, SOIL AMENDMENTS, AND SEEDING AS NOTED IN "SURFACE STABILIZATION 6.1" (GENERAL NOTES) AND AS PER NCDENR STANDARDS.

3. SPREAD SEED BEFORE TEMPORARY LINER IS INSTALLED. 4. LINER SHALL BE INSTALLED FROM TOP OF BANK TO TOP OF BANK ALONG DIKE WITHIN DENUDED LIMITS. MAINTENANCE

1. ALL EROSION CONTROL LINING SHALL BE INSPECTED EVERY SEVEN (7) DAYS OR AFTER EACH RAINFALL OCCURRENCE THAT EXCEEDS ONE-HALF (0.5) INCH.

> TEMPORARY PERIMETER DIKE NOT TO SCALE



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	THERE AND A
	UPSLOPE TOE
SIDE SLOPES- 2:1 MAX	
	TE
	Q 10 LENG
NUMBER     (AC)       TDD 1     0.25	(CFS) (F1 0.5 15 2.7 23
TDD SECONDARY	MANNING VELO
TDD 1 LINING REQ TDD2 LINING REQ	n (FP 0.035 1.8 0.035 1.3
Notes: 1. Q10 taken from 2. Manning n valu	Rational Method. le for bare earth = 0.020 p
3. Manning n valu	e for excelsior (curled w Shear Stress) was also ev
SEAL	
	TOD     DA       11011     120.5       11011     100.0       11011

DATE

DESCRIPTIONS REVISIONS

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