

SITE DATA
 PROPERTY OWNER: CAMERON PROPERTIES
 PROJECT ADDRESS: 1751 MUSEUM DR.
 PIN NUMBER: PART OF R06500-003-004-000 & PART OF R06508-009-001-000
 FLOOD AREA: THIS SITE IS NOT LOCATED IN A SPECIAL FLOOD HAZARD AREA ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY'S FLOOD INSURANCE RATE MAPS, MAP NUMBER 3720312500J (DATED: 4-3-06) & MAP NUMBER 3720312600J (DATED: 4-3-06)
 ZONING DISTRICT: R-15; THIS PROJECT WILL BE A PUD-R
 MAXIMUM HEIGHT (R-15): 35'
 REQUIRED & PROVIDED BUILDING SETBACKS (R-15) FOR YARDS ABUTTING ADJACENT PROPERTIES AT THE PROJECT'S PERIPHERY: FRONT-30', REAR-25', INTERIOR SIDE-10', CORNER LOT SIDE-15'
 REQUIRED & PROVIDED BUILDING SETBACKS FOR INTERNAL DESIGN OF THE PROJECT: PER NC STATE BUILDING CODE
 SITE AREA: 2,030,386 SF = 46.61 ACRES ±
 NUMBER OF PROPOSED LOTS: 124 (72 SINGLE FAMILY & 52 TOWNHOME UNITS)
 TOTAL AMOUNT & PERCENT OF IMPERVIOUS SURFACE AREAS ON-SITE:

BEFORE DEVELOPMENT			AFTER DEVELOPMENT				
CROSS CITY TRAIL	AREA (SF)	% OF SITE	EX. (SF)	PROPOSED (SF)	TOTAL (SF)	% OF SITE	
	35,693	1.76	0	502,296	502,296	24.74	
	14,851	0.73	18,455	232,320	250,775	12.35	
	3,762	0.19	1,000	56,332	57,332	2.82	
	1,000	0.05	0	6,000	6,000	0.30	
	55,306	2.73	32,177	2,607	34,784	1.72	
			FUTURE	5,934	5,934	0.29	
			TOTAL	51,632	805,489	857,121	42.22

THIS SITE IS NOT WITHIN A SPECIAL HIGHWAY OVERLAY DISTRICT OR ANY OTHER ZONING OVERLAY DISTRICT PER THE CITY OF WILMINGTON ZONING MAP (MAP 3125-2, DATED: MAY 25, 2012)
 CAMA LAND USE CLASSIFICATION PER THE 2006 CAMA PLAN UPDATE LAND CLASSIFICATION MAP IS URBAN.

CITY OF WILMINGTON STANDARD NOTES

- PRIOR TO ANY CLEARING, GRADING OR CONSTRUCTION ACTIVITY, TREE PROTECTION FENCING WILL BE INSTALLED AROUND PROTECTED TREES OR GROVES OF TREES AND NO CONSTRUCTION WORKERS, TOOLS, MATERIALS, OR VEHICLES ARE PERMITTED WITHIN THE TREE PROTECTION FENCING.
- NO LAND DISTURBANCE INCLUDING TREE REMOVAL IS TO OCCUR OUTSIDE THE LIMITS OF DISTURBANCE SHOWN ON THE PLANS.
- NO EQUIPMENT IS ALLOWED ON THE SITE UNTIL ALL TREE PROTECTION FENCING AND SILT FENCING HAS BEEN INSTALLED AND APPROVED.
- PROTECTIVE TREE FENCING IS TO BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT.
- LAND CLEARING AND CONSTRUCTION CONTRACTORS SHALL RECEIVE ADEQUATE INSTRUCTION ON TREE PROTECTION REQUIREMENTS AND METHODS.
- ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS-OF-WAY AND FOR DRIVEWAYS ARE TO BE THERMOPLASTIC AND MEET CITY AND/OR NCDOT STANDARDS.
- 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 AND SPECIFICATIONS MANUAL. 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.
- TRAFFIC CONTROL DEVICES (INCLUDING SIGNS AND PAVEMENT MARKINGS) IN AREAS OPEN TO PUBLIC TRAFFIC ARE TO MEET MUTCD (MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES) STANDARDS.
- CALL TRAFFIC ENGINEERING AT 341-7888 TO ENSURE THAT ALL TRAFFIC SIGNAL FACILITIES AND EQUIPMENT ARE SHOWN ON THE PLAN. CALL TRAFFIC ENGINEERING AT 341-7888 FORTY-EIGHT HOURS PRIOR TO ANY EXCAVATION IN THE RIGHT OF WAY.
- ANY BROKEN OR MISSING SIDEWALK PANELS, DRIVEWAY APRON PANELS, OR CURB AND GUTTER SECTIONS SHALL BE REPLACED.
- CONTACT TRAFFIC ENGINEERING AT 341-7888 TO DISCUSS STREET LIGHTING OPTIONS.
- PROJECT SHALL COMPLY WITH CFWPA CROSS CONNECTION CONTROL REQUIREMENTS. WATER METER(S) CANNOT BE RELEASED UNTIL ALL REQUIREMENTS ARE MET AND THE STATE HAS GIVEN THEIR FINAL APPROVAL. CALL 332-6558 FOR INFORMATION.
- IF THE CONTRACTOR DESIRES CFWPA WATER FOR CONSTRUCTION HE SHALL APPLY IN ADVANCE FOR THIS SERVICE & MUST PROVIDE A REDUCED PRESSURE ZONE (RPZ) BACKFLOW PREVENTION DEVICE ON THE DEVELOPER'S SIDE OF THE WATER METER BOX.
- ANY IRRIGATION SYSTEM SUPPLIED BY CFWPA WATER SHALL COMPLY WITH THE CFWPA CROSS CONNECTION CONTROL REGULATIONS. CALL 332-6558 FOR INFORMATION.
- ANY BACKFLOW PREVENTION DEVICES REQUIRED BY CFWPA WILL NEED TO BE ON THE LIST OF APPROVED DEVICES BY USFCOCHR OR ASSE.
- ALL TRAFFIC CONTROL SIGNS & MARKINGS OFF THE RIGHT-OF-WAY ARE TO BE MAINTAINED BY THE PROPERTY OWNER IN ACCORDANCE WITH MUTCD STANDARDS.
- ALL PAVEMENT MARKINGS REGULATING TRAFFIC FLOW MUST BE THERMOPLASTIC.
- 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.
- TRAFFIC ENGINEERING MUST APPROVE ALL PAVEMENT MARKING LAYOUT PRIOR TO ACTUAL STRIPING.
- A LANDSCAPING PLAN INDICATING THE LOCATION OF REQUIRED TREE TRIMMING 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 PLAN.
- CONTACT THE NORTH CAROLINA ONE CALL CENTER PRIOR TO DOING ANY DIGGING. 1-800-632-4949.
- INSTALL REFLECTORS PER CITY AND NCDOT STANDARDS.
- IF THESE UNITS ARE SOLD AT ANY POINT, THE BUYER MUST RECEIVE A SUBDIVISION STREET DISCLOSURE STATEMENT.
- WATER, SEWER, & STORMWATER INFRASTRUCTURE TO BE CONSTRUCTED BY APPLICANT.
- UNLESS NOTED OTHERWISE, ALL WATER AND SEWER TO BE PUBLIC.
- DRIVEWAYS SHALL INTERSECT THE STREET AT A 90 DEGREE ANGLE.
- OPEN CUTS ARE SUBJECT TO CITY OF WILMINGTON STREET CUT POLICY & STANDARD DETAIL 1-05.

GENERAL NOTES

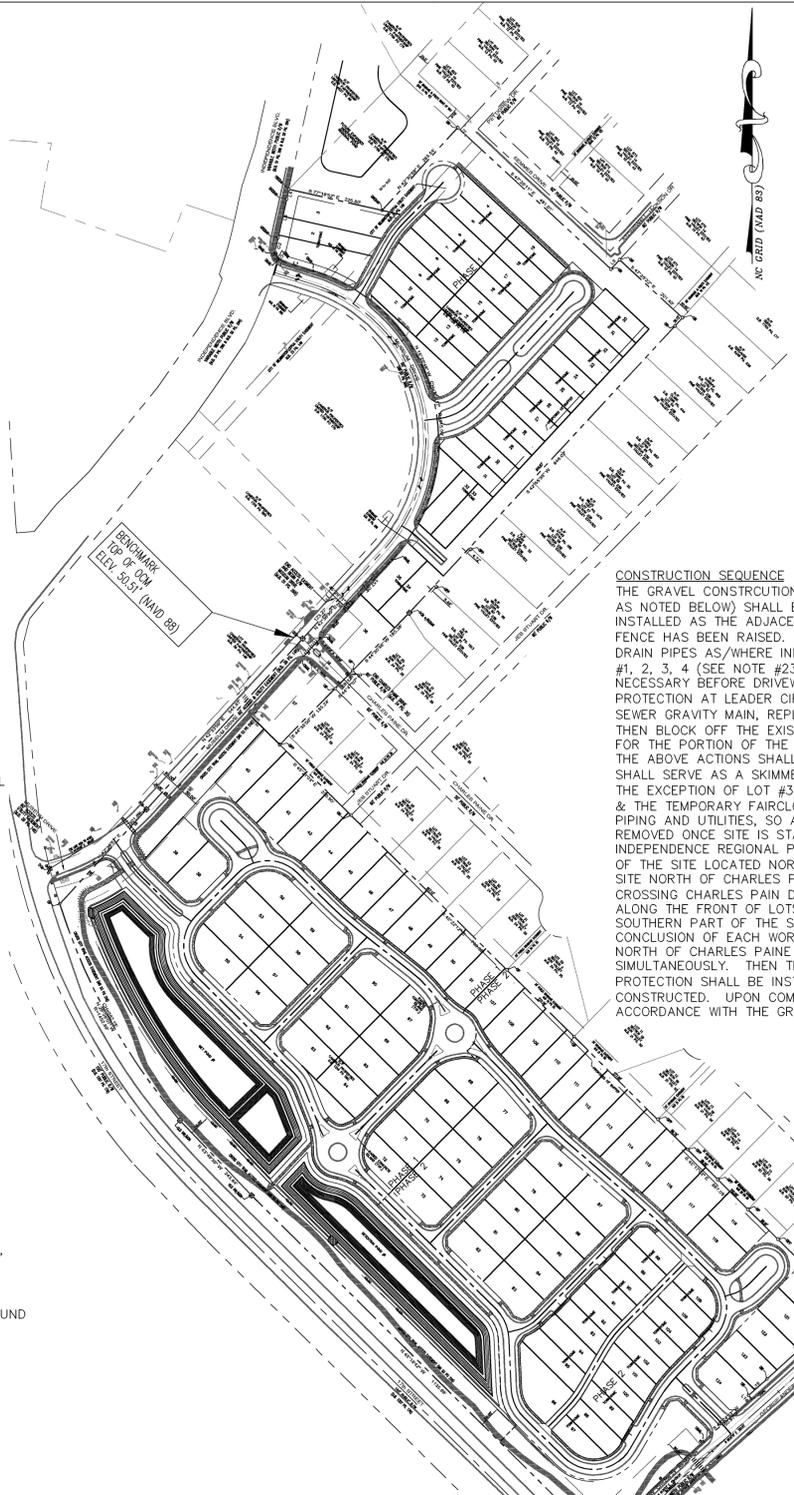
- ROLL CART FOR TRASH REMOVAL.
- SANITARY SEWER SIZE 8". ALL PROPOSED SANITARY SEWER TO BE PUBLIC.
- WATER SIZE 8"-2". ALL PROPOSED WATER TO BE PUBLIC.
- ALL PROPOSED STREET RIGHTS-OF-WAY TO BE PUBLIC.
- ANTICIPATED COMPLETION OF PHASE 1: NOVEMBER 2014 & ANTICIPATED COMPLETION OF PHASE 2: MAY 2015.
- NO 10' NON-MUNICIPAL UTILITY EASEMENTS ALONG WESTERN & EASTERN ENTRANCE STREETS.
- THE PROPOSED DRAINAGE EASEMENT WIDTHS & LOCATIONS ARE APPROXIMATE AND SUBJECT TO CHANGE (I.E.-REDUCTION IN WIDTH, ETC.) DURING THE DESIGN PROCESS.

FIRE AND LIFE SAFETY NOTES

- LANDSCAPING OR PARKING CAN NOT BLOCK OR IMPEDE THE FIRE HYDRANTS. A 3-FOOT CLEAR SPACE SHALL BE MAINTAINED AROUND THE CIRCUMFERENCE OF THE HYDRANT.
- NEW HYDRANTS MUST BE AVAILABLE FOR USE PRIOR TO CONSTRUCTION OF THE BUILDING(S).
- THE FIRE DEPARTMENT ACCESS ROAD SHALL BE NO LESS THAN 20' UNLESS APPROVED BY THE FIRE OFFICIAL.
- CONTRACTOR SHALL MAINTAIN AN ALL WEATHER ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES DURING CONSTRUCTION.

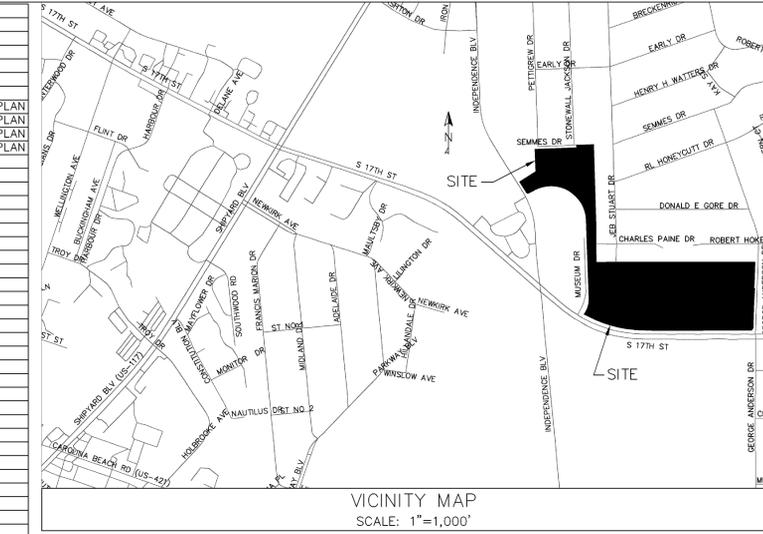
NOTES

- BOUNDARY, TOPOGRAPHICAL, & TREE SURVEY PROVIDED BY SHERWIN D. CRIBB, PLS.
- LIMITS OF DISTURBANCE = 1,930,643 SF = 44.33 ACRES.
- DISTURBED AREAS WITHIN RIGHTS-OF-WAY OF MUSEUM DRIVE & GEORGE ANDERSON DRIVE SHALL BE IMMEDIATELY SEEDED & STABILIZED WITH EXCELSIOR MAT OR MULCH PRIOR TO ANY RAINFALL EVENT & IN ACCORDANCE WITH GROUND STABILIZATION CHART.
- UPON COMPLETION OF ANY PHASE OF ACTIVITY SIDE SLOPES WILL BE SEEDED/STABILIZED IN ACCORDANCE WITH GROUND STABILIZATION CHART (SEE SHEET 14).
- ALL ELEVATIONS ARE IN FEET UNLESS OTHERWISE INDICATED.
- ALL CITY, STATE, & FEDERAL REGULATIONS SHALL BE FOLLOWED.
- MANHOLES, CATCH BASINS, & DROP INLETS SHALL BE SIZED APPROPRIATELY TO ACCOMMODATE OVERSIZED PIPES.
- ALL DROP INLETS TO BE TRAFFIC BEARING WITH HEAVY DUTY 2'x3' FRAME & GRATE (GENERAL FOUNDRIES INC., ITEM #24364 OR EQUIVALENT).
- NO PIPE JOINTS SHALL BE INSIDE ANY INTERFERENCE MANHOLE.
- A RECORDED DRAINAGE EASEMENT SHALL BE PROVIDED FOR WET POND #1 & DETENTION POND #1 INCLUDING ACCESS TO THE NEAREST RIGHT-OF-WAY.
- ALL ROOF DRAINS SHALL BE DIRECTED TOWARDS THE ROAD IN FRONT OF THE RESPECTIVE LOT, AND TO THE DRAINAGE SYSTEM & PONDS (SEE DRAINAGE AREA MAPS). ROOF DRAINS SHALL NOT BE DIRECTED TO ROADS/ALLEYS ALONG THE SIDE OR REAR OF THE RESPECTIVE LOT.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO RAISE & SLOPE LOTS ADEQUATELY TO ENSURE POSITIVE DRAINAGE TOWARD STREET.
- THE MINIMUM BUILDING PAD ELEVATION FOR LOTS #4-9, 12-29, & 36-37 SHALL BE 1.5 FEET ABOVE THE HIGHEST BACK OF CURB ELEVATION IN FRONT OF THE RESPECTIVE LOT. THE MINIMUM BUILDING PAD ELEVATION FOR LOTS #38-98, 107-117, 119, & 121-124 SHALL BE 1.5 FEET ABOVE THE HIGHEST BACK OF CURB ELEVATION IN FRONT OF THE RESPECTIVE LOT OR ELEVATION = 45.00', WHICHEVER IS GREATER. THE MINIMUM BUILDING PAD ELEVATIONS FOR THE REMAINING LOTS ARE AS FOLLOWS: LOTS 1-2 IS 50.75', LOT 3 IS 48.76', LOTS 10-11 IS 50.75', LOTS 30-31 IS 52.15', LOTS 32-33 IS 52.29', LOTS 34-35 IS 53.30', LOTS 99-100 IS 47.56', LOTS 101-104 IS 48.75', LOTS 105-106 IS 48.85', LOT 118 IS 51.05', AND LOT 120 IS 53.85'.
- DURING CONSTRUCTION WET POND #1 WILL SERVE AS A SKIMMER SEDIMENT BASIN. TEMPORARY POROUS BAFFLES (SEE DETAIL) SHALL BE INSTALLED. A FAIRCLOTH SKIMMER SHALL BE INSTALLED IN & CONNECTED TO THE OUTLET STRUCTURE (SEE SKIMMER DETAIL & CHART FOR SKIMMER & ORIFICE SIZE). THE FAIRCLOTH SKIMMER IS TEMPORARY. ONCE THE ENTIRE AREA DRAINING TO THE POND HAS BEEN STABILIZED THE POROUS BAFFLES & SKIMMER SHALL BE REMOVED, & THE ORIFICE PIPE (SEE POND DETAIL & CHART FOR SIZE) SHALL BE INSTALLED.
- PRIOR TO THE INSTALLATION OF WATER OR SANITARY SEWER MAINS CONTRACTOR SHALL NOTIFY THE ENGINEER WITH MALPASS ENGINEERING & SURVEYING, P.C. AT 910-392-5243.
- ALL TREES ON SITE, EXCEPT WITHIN CROSS CITY TRAIL EASEMENT ALONG GEORGE ANDERSON DRIVE & SOUTH 17TH STREET, TO BE REMOVED (SEE MAP TITLED "TREE SURVEY FOR FORKS DEVELOPMENT" BY SHERWIN D. CRIBB, PLS FOR TREE INFORMATION). TREE PROTECTION FENCING SHALL BE INSTALLED IN ACCORDANCE WITH DETAIL SD 15-08.



SHEET INDEX

1	COVER SHEET
1A	PROFILE INDEX SHEET
2	SITE PLAN
3	SITE PLAN
4	SITE PLAN
5	SITE PLAN
6	EXISTING CONDITIONS, SITE INVENTORY, & DEMOLITION PLAN
7	EXISTING CONDITIONS, SITE INVENTORY, & DEMOLITION PLAN
8	EXISTING CONDITIONS, SITE INVENTORY, & DEMOLITION PLAN
9	EXISTING CONDITIONS, SITE INVENTORY, & DEMOLITION PLAN
10	EROSION CONTROL & STORMWATER PLAN
11	EROSION CONTROL & STORMWATER PLAN
12	EROSION CONTROL & STORMWATER PLAN
13	EROSION CONTROL & STORMWATER PLAN
14	EROSION CONTROL & STORMWATER DETAIL SHEET
15	EROSION CONTROL & STORMWATER DETAIL SHEET
16	DRAINAGE AREA MAP
16A	PROJECT AREA MAP
17	DRAINAGE AREA MAP
18	DRAINAGE AREA MAP
19	DRAINAGE AREA MAP
20	DETAIL SHEET
20A	DETAIL SHEET
21	PLAN PROFILE
22	PLAN PROFILE
23	PLAN PROFILE
24	PLAN PROFILE
25	PLAN PROFILE
26	PLAN PROFILE
27	PLAN PROFILE
28	PLAN PROFILE
29	SANITARY SEWER DETAIL SHEET
30	SANITARY SEWER DETAIL SHEET
31	SANITARY SEWER DETAIL SHEET
32	WATER DETAIL SHEET
33	WATER DETAIL SHEET
T-1	CROSS-CITY TRAIL CLOSURE PLAN
L-1	LANDSCAPE PLAN-STREETScape
L-2	LANDSCAPE PLAN-BUFFER



CONSTRUCTION SEQUENCE

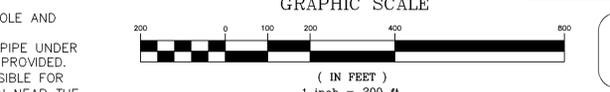
THE GRAVEL CONSTRUCTION ENTRANCES OFF OF MUSEUM DRIVE & GEORGE ANDERSON DRIVE, & SILT FENCE (EXCEPT AS NOTED BELOW) SHALL BE INSTALLED AS SHOWN ON THE PLAN. SILT FENCE ALONG SWALES #1-3 SHALL BE INSTALLED AS THE ADJACENT SWALE IS BEING CONSTRUCTED AND AFTER THE GROUND AT THE LOCATION OF THE SILT FENCE HAS BEEN RAISED. REMOVE EXISTING STORM DRAIN PIPE(S) & BLOCK OFF UPSTREAM END OF EXISTING STORM DRAIN PIPES AS/WHERE INDICATED ON THE 'EXISTING CONDITIONS & DEMOLITION PLAN'. THEN CONSTRUCT SWALES #1, 2, 3, 4 (SEE NOTE #23), & 5 (IMMEDIATELY SEED & STABILIZE PER SWALE DETAILS). INSTALL ANY UTILITIES NECESSARY BEFORE DRIVEWAY CULVERTS ARE INSTALLED, & INSTALL THE DRIVEWAY CULVERTS WITH OUTLET PROTECTION AT LEADER CIRCLE (WESTERN ENTRANCE). WHEN CONSTRUCTING SWALE #4 OVER EXISTING SANITARY SEWER GRAVITY MAIN, REPLACE THE EXISTING 8" PVC WITH 8" DIP (SEE DRAWING COURT PROFILE & NOTE #23). THEN BLOCK OFF THE EXISTING DITCHES AS/WHERE INDICATED ON THE 'EXISTING CONDITIONS & DEMOLITION PLAN'. FOR THE PORTION OF THE SITE LOCATED SOUTH OF CHARLES PAINE DRIVE, ONLY THE AREAS NECESSARY TO PERFORM THE ABOVE ACTIONS SHALL BE DISTURBED PRIOR TO THE CONSTRUCTION OF WET POND #1. WET POND #1, WHICH SHALL SERVE AS A SKIMMER SEDIMENT BASIN FOR THE PORTION OF THE SITE SOUTH OF CHARLES PAINE DRIVE (WITH THE EXCEPTION OF LOT #37), SHALL THEN BE EXCAVATED WITH THE POND OUTLET STRUCTURE, OUTLET PROTECTION, & THE TEMPORARY FAIRCLOTH SKIMMER ORIFICE INSTALLED WHILE CLEARING/FILLING LAND, AND INSTALLING STORM PIPING AND UTILITIES, SO AS TO HAVE AREA TO SPREAD EXCAVATED MATERIAL. FAIRCLOTH SKIMMER SHALL BE REMOVED ONCE SITE IS STABILIZED & SEDIMENT BASIN IS CONVERTED TO A STORMWATER POND. THE EXISTING INDEPENDENCE REGIONAL POND, WHICH SHALL BE ENLARGED, SHALL SERVE AS A SEDIMENT BASIN FOR THE PORTION OF THE SITE LOCATED NORTH OF CHARLES PAINE DRIVE (SPOIL FROM THE REGIONAL POND SHALL BE TAKEN TO THE SITE NORTH OF CHARLES PAINE DR, AND TO THE SITE SOUTH OF CHARLES PAINE DR VIA OFF-ROAD TRUCKS CROSSING CHARLES PAINE DR). CONTRACTOR SHALL USE BRIDGE TO CROSS SWALE #3. SILT FENCE MAY BE LOWERED ALONG THE FRONT OF LOTS #36 & 37, & ALONG THE REAR OF LOTS #37 & 40 TO PROVIDE ACCESS TO THE SOUTHERN PART OF THE SITE FOR THE OFF-ROAD TRUCKS. LOWERED SILT FENCE MUST BE RAISED AT THE CONCLUSION OF EACH WORK DAY. LAND DISTURBANCE MAY OCCUR FIRST ON THE PORTION OF THE SITE LOCATED NORTH OF CHARLES PAINE DRIVE OR THE PORTION OF THE SITE LOCATED SOUTH OF CHARLES PAINE DRIVE, OR SIMULTANEOUSLY. THEN THE SITE SHALL BE GRADED TO DIRECT RUNOFF TO THE PONDS, & INLET & OUTLET PROTECTION SHALL BE INSTALLED. THEN STREETS (STONE, CURBING, & ASPHALT) & SIDEWALKS SHALL BE CONSTRUCTED. UPON COMPLETION OF ANY PHASE OF ACTIVITY SIDE SLOPES WILL BE SEEDED/STABILIZED IN ACCORDANCE WITH THE GROUND STABILIZATION CHART ON SHEET 14 OF THE PLAN.

WATER & SEWER CAPACITY

EXISTING WATER CAPACITY:	0 GPD
EXISTING SEWER CAPACITY:	0 GPD
PROPOSED WATER CAPACITY:	124 LOTS x 400 GPD/LOT = 49,600 GPD
PROPOSED SEWER CAPACITY:	124 LOTS x 360 GPD/LOT = 44,640 GPD

CURVE	RADIUS	CHORD BEARING	CHORD LENGTH
C1	1015.93'	N 15.37.36" E	3.51'
C2	1004.93'	N 13.36.28" E	37.52'
C3	1452.89'	N 16.52.24" W	38.22'
C4	1452.89'	N 15.31.41" W	30.00'
C5	1452.89'	N 14.35.00" W	17.91'
C6	1452.89'	N 13.59.30" W	12.09'
C7	275.00'	S 59.25.27" E	149.14'
C8	3849.54'	S 48.20.17" W	10.69'
C9	3849.54'	S 46.25.51" W	245.55'

LINE	BEARING	DISTANCE
L1	N 73.15.17" W	87.99'
L2	N 31.08.48" W	15.29'
L3	N 12.32.23" E	92.21'
L4	N 11.23.05" E	23.52'
L5	N 42.37.24" E	30.04'
L6	N 75.09.28" E	28.75'
L7	S 45.20.37" E	29.84'
L8	S 45.21.19" E	106.81'
L9	N 42.32.08" E	29.92'
L10	N 42.32.08" E	30.10'
L11	S 44.47.07" W	29.43'
L12	S 44.47.07" W	29.89'
L13	N 45.26.46" W	29.83'
L14	N 45.39.09" W	10.24'
L15	S 48.22.56" W	58.07'
L16	S 41.37.27" E	9.93'
L17	S 44.38.30" W	52.95'
L18	S 78.22.41" W	36.00'
L19	N 45.47.27" W	29.98'
L20	N 42.39.57" E	202.33'
L21	N 42.39.57" E	99.26'



REV. NO.	DESCRIPTION	DATE
1	REVISED PER TRC CONCEPT REVIEW.	12-18-13
2	REVISED PER TRC.	2-21-14
3	REVISED PER CLIENT.	4-15-14
4	REVISED PER CITY OF WILMINGTON.	5-21-14
5	REVISED PER CITY OF WILMINGTON.	7-7-14
6	REVISED TO ADJUST NOTE #2.	7-10-14
7	REVISED PER CITY OF WILMINGTON TO ADJUST ROUNDABOUTS.	8-18-14
8	REVISED PER CITY OF WILMINGTON.	8-21-14
9	REVISED PER CITY OF WILMINGTON.	8-25-14

LEGEND

- 42' --- EXISTING CONTOUR
- EXISTING EASEMENT
- EXISTING ROAD CENTERLINE
- EXISTING R/W
- EXISTING ADJACENT PROPERTY LINES
- EXISTING STORM DRAIN PIPE
- EXISTING STORM DRAIN MANHOLE
- EXISTING STORM DRAIN CURB INLET
- EXISTING STORM DRAIN DROP INLET
- EXISTING FIRE HYDRANT
- EXISTING WATER VALVE
- EXISTING WATER METER
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SANITARY SEWER LINES
- EXISTING LIGHT POLE
- EXISTING TRAFFIC SIGNAL BOX
- EXISTING FIBER OPTIC MARKER
- EXISTING TRANSFORMER
- EXISTING POWER POLE
- EXISTING GUY WIRE
- EXISTING ASPHALT ROAD
- EXISTING CROSS CITY TRAIL (TO REMAIN)
- EXISTING TRAIL OR SIDEWALK (TO BE REMOVED)
- EXISTING SIDEWALK
- PROPERTY LINE
- OLD IRON PIPE
- OLD IRON PIPE(PINCHED)
- OLD IRON ROD
- OLD NAIL
- OLD REBAR
- OLD CONCRETE MONUMENT
- OLD RIGHT OF WAY MONUMENT
- PROPOSED SETBACK (ALONG PROJECT PERIPHERY)
- PROPOSED ROAD CENTERLINE
- PROPOSED R/W
- PROPOSED SANITARY SEWER
- PROPOSED WATER LINE
- PROPOSED FIRE HYDRANT
- PROPOSED BLOWOFF
- PROPOSED GATE VALVE
- PROPOSED CATCH BASIN
- PROPOSED STORM DRAIN PIPE
- PROPOSED INLET PROTECTION
- PROPOSED PHASE LINE
- PROPOSED SWALE
- PROPOSED EASEMENT
- PROPOSED CONSTRUCTION ENTRANCE
- PROPOSED SILT FENCE
- PROPOSED LIMITS OF DISTURBANCE
- PROPOSED BUFFER
- PROPOSED SIDEWALK OR CROSS CITY TRAIL
- PROPOSED TREE PROTECTION FENCE

For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.

STORMWATER MANAGEMENT PLAN APPROVED
 CITY OF WILMINGTON
 ENGINEERING DEPARTMENT
 DATE _____ PERMIT # _____
 SIGNED _____

Approved Construction Plan
 Name _____ Date _____
 Planning _____
 Public Utilities _____
 Traffic _____
 Fire _____

SITE PLANNER
 DEMAREST COMPANY
 LANDSCAPE ARCHITECTS, LAND PLANNERS ASLA
 6333 RUNNING BROOK TERRACE
 WILMINGTON, NORTH CAROLINA 28411
 910-231-2428
 SCOTT D. STEWART RLA ASLA
 NC LICENSE # 1128

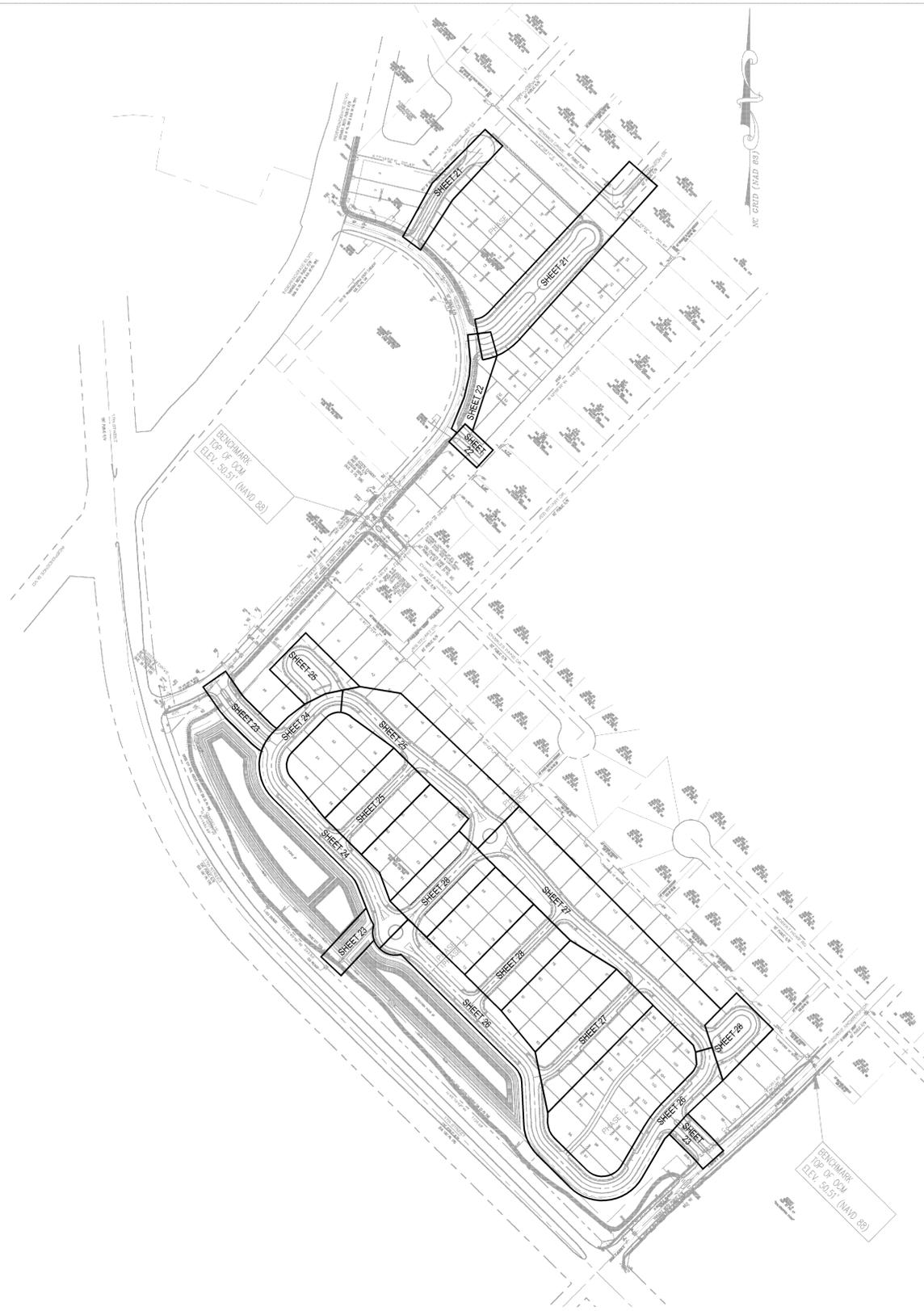
THE FORKS AT GALLERY PARK
 CITY OF WILMINGTON
 NEW HANOVER COUNTY
 NORTH CAROLINA

FINAL DRAWING FOR REVIEW PURPOSES ONLY

MALPASS ENGINEERING & SURVEYING, P.C.
 1134 SHIPYARD BOULEVARD
 WILMINGTON, NORTH CAROLINA 28412
 Phone 910-392-5243
 Fax 910-392-5203 License No. C-2320

Owner: FORKS DEVELOPMENT, LLC
 P.O. BOX 3648
 WILMINGTON, NORTH CAROLINA 28406
 PHONE: 910-251-2234
 FAX: 910-762-2680

CHECKED: JEM
 PROJECT NO: 243
 SHEET NO: 1
 OF: 33



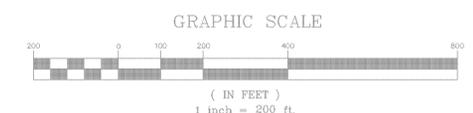
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 6933 RUNNING BROOK TERRACE
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 910-231-2428
 SCOTT D. STEWART RLA ASLA
 NC LICENSE # 1128

STORMWATER MANAGEMENT PLAN
APPROVED
 CITY OF WILMINGTON
 ENGINEERING DEPARTMENT
 DATE _____ PERMIT # _____
 SIGNED _____

Approved Construction Plan

Name	Date
Planning	_____
Public Utilities	_____
Traffic	_____
Fire	_____



REV. NO.	DESCRIPTION	DATE
1	REVISED TO ADJUST PROFILE AREA.	2-7-14
2	REVISED PER CITY OF WILMINGTON TO ADJUST ROUNDABOUTS.	8-18-14

PRELIMINARY PLAT
 NOT FOR RECORDATION,
 CONVEYANCES, OR SALES.

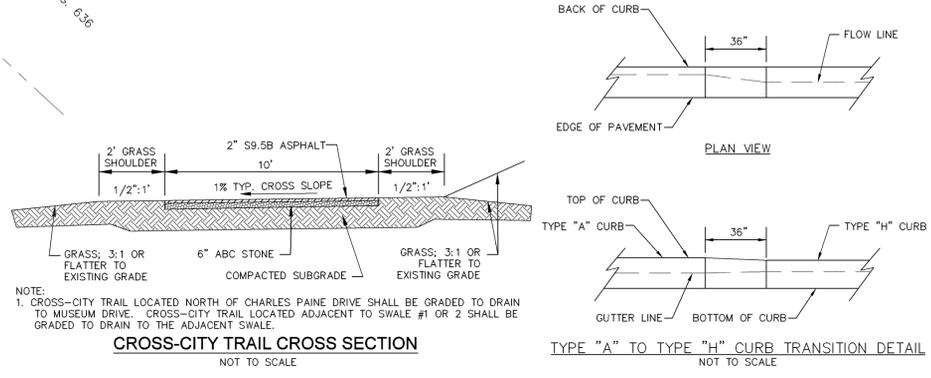
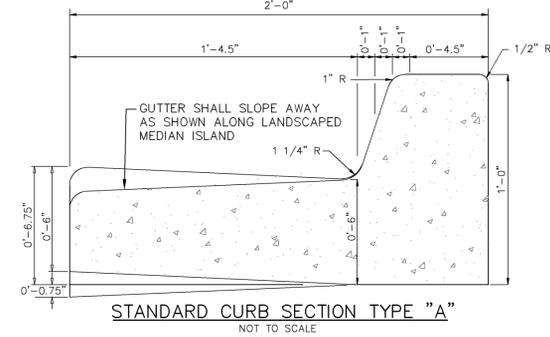
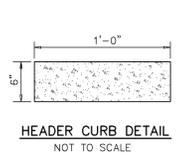
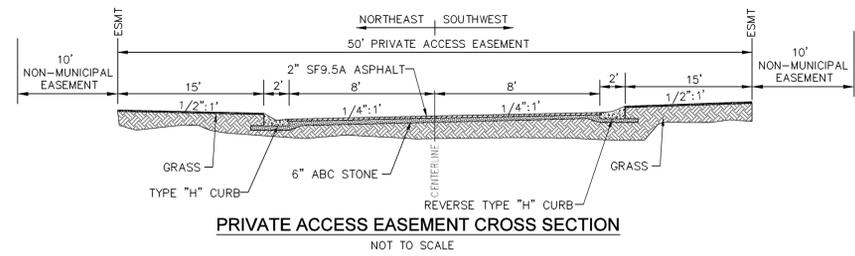
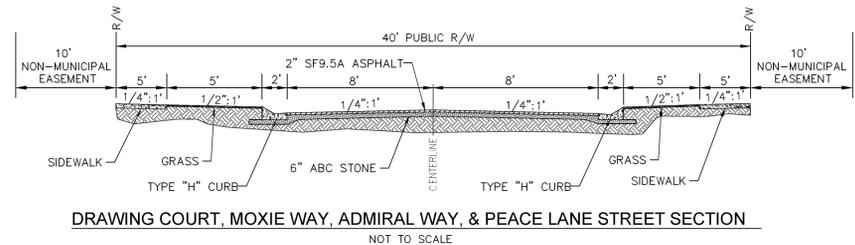
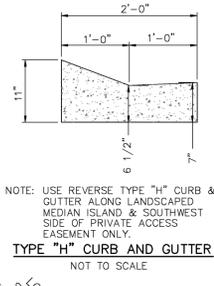
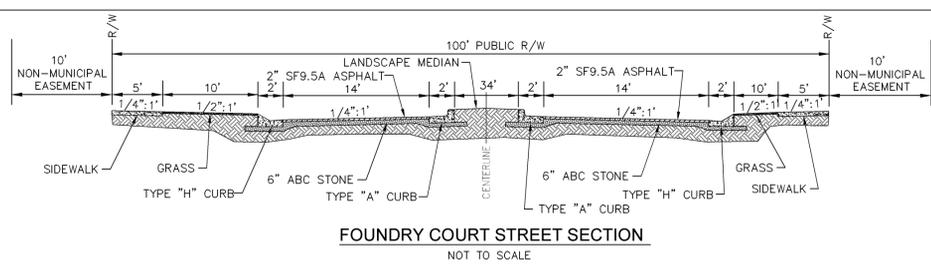
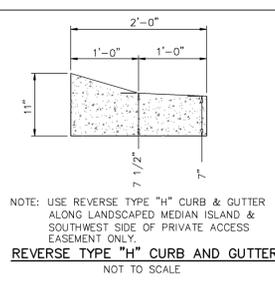
PROFILE INDEX SHEET
THE FORKS AT GALLERY PARK
 CITY OF WILMINGTON NEW HANOVER COUNTY NORTH CAROLINA

FINAL
 DRAWING FOR REVIEW
 PURPOSES ONLY

MALPASS ENGINEERING & SURVEYING, P.C.
 1104 SHEPARD BOULEVARD
 WILMINGTON, NORTH CAROLINA 28412
 Phone 910-392-8343 Fax 910-392-5303 License No. C-2380

Owner: FARKS DEVELOPMENT, LLC
 P.O. BOX 3849
 WILMINGTON, NORTH CAROLINA 28406
 PHONE: 910-251-2324
 FAX: 910-762-2680

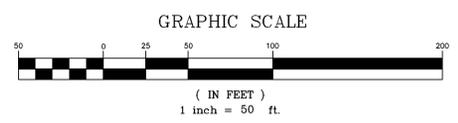
DATE: 4-7-14
 SCALE: 1"=200'
 DRAWN: JCB
 CHECKED: JSM
 PROJECT NO: 243
 SHEET NO: 1A
 OF: 33



For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.

STORMWATER MANAGEMENT PLAN APPROVED
CITY OF WILMINGTON
ENGINEERING DEPARTMENT
DATE _____ PERMIT # _____
SIGNED _____

Approved Construction Plan
Name _____ Date _____
Planning _____
Public Utilities _____
Traffic _____
Fire _____



REV. NO.	DESCRIPTION	DATE
1	REVISED PER TRC CONCEPT REVIEW.	12-18-13
2	REVISED PER TRC & CLIENT.	4-14-14
3	REVISED PER CITY OF WILMINGTON.	7-7-14
4	REVISED PER CITY OF WILMINGTON.	8-21-14

SITE PLAN
THE FORKS AT GALLERY PARK
CITY OF WILMINGTON NEW HANOVER COUNTY NORTH CAROLINA

FINAL DRAWING FOR REVIEW PURPOSES ONLY

MALPASS ENGINEERING & SURVEYING, P.C.
1134 SHIPYARD BOULEVARD
WILMINGTON, NORTH CAROLINA 28412
Phone 910-392-0243
Fax 910-392-5203 License No. C-2320

Owner: FORKS DEVELOPMENT, LLC
P.O. BOX 3949
WILMINGTON, NORTH CAROLINA 28406
PHONE: 910-251-3343
FAX: 910-762-2680

DATE: 12-4-13
SCALE: 1"=50'
DRAWN: JCB
CHECKED: JEM
PROJECT NO: 243
SHEET NO: 2
OF: 33

SITE PLANNER
DEMAREST COMPANY
LANDSCAPE ARCHITECTS, LAND PLANNERS ASLA
6933 RUNNING BROOK TERRACE
WILMINGTON, NORTH CAROLINA 28411
910-231-2428
SCOTT D. STEWART RLA ASLA
NC LICENSE # 1128

PRELIMINARY PLAT
NOT FOR RECORDATION,
CONVEYANCES, OR SALES.

MATCHLINE
SEE SHEET 3

RECREATION SPACE CALCULATION
 REQUIRED RECREATION SPACE = 0.03 ACRES/LOT * 133 LOTS = 3.99 ACRES
 PROVIDED ACTIVE RECREATION AREA = 0.5 * 3.99 = 1.995 ACRES
 PROVIDED PASSIVE RECREATION AREA = 98,924 SF = 2.27 ACRES
 PROVIDED TOTAL RECREATION AREA = 0.5 * 3.99 + 1.995 ACRES = 3.99 ACRES

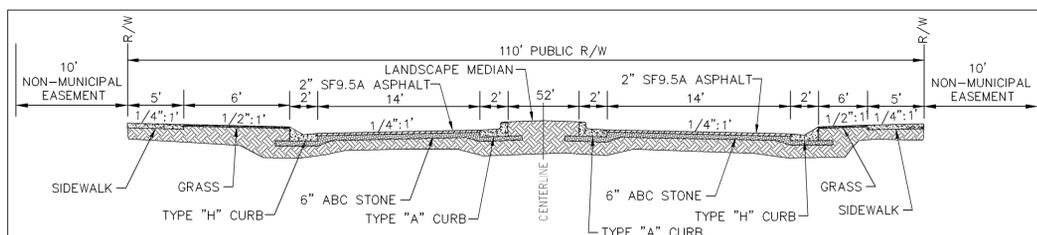
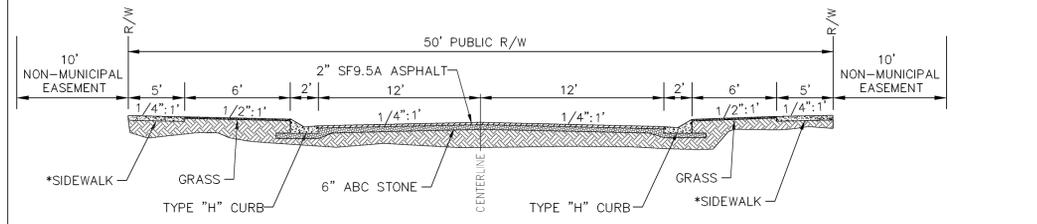
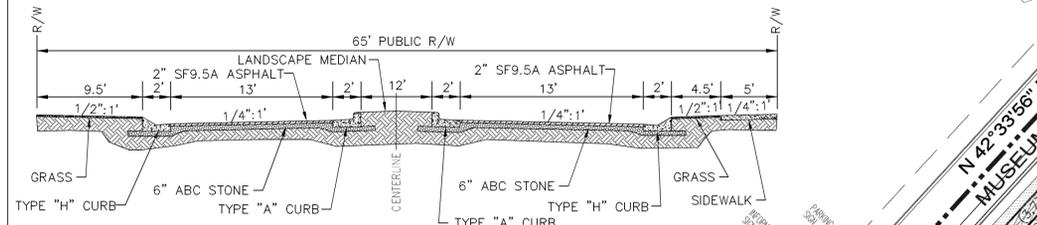


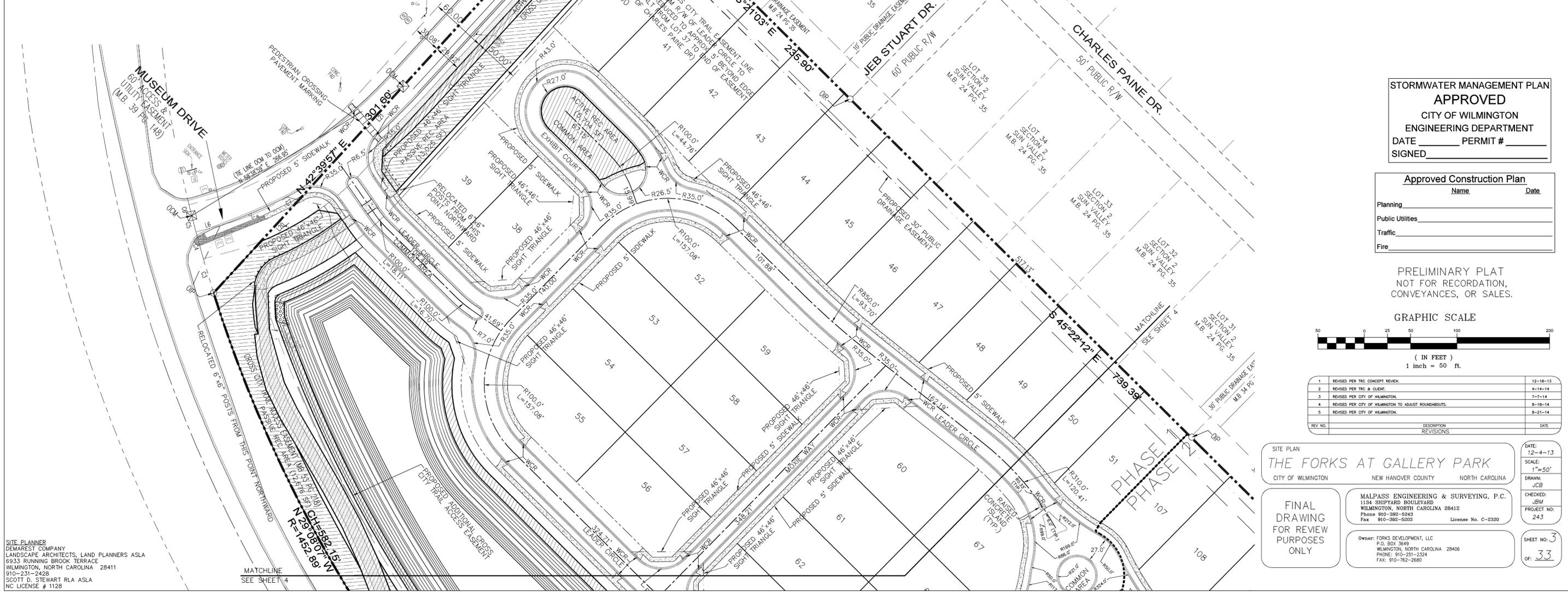
EXHIBIT COURT & NELLIE GRAY COURT STREET SECTION
NOT TO SCALE



LEADER CIRCLE (MAIN LOOP ROAD) & HONOR LANE STREET SECTION
NOT TO SCALE



LEADER CIRCLE (WESTERN ENTRANCE) STREET SECTION
NOT TO SCALE

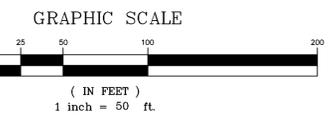


STORMWATER MANAGEMENT PLAN
APPROVED
 CITY OF WILMINGTON
 ENGINEERING DEPARTMENT
 DATE _____ PERMIT # _____
 SIGNED _____

Approved Construction Plan

Name	Date
Planning	
Public Utilities	
Traffic	
Fire	

PRELIMINARY PLAT
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REV. NO.	DESCRIPTION	DATE
1	REVISED PER THE CONCEPT REVIEW.	12-18-13
2	REVISED PER THE CLIENT.	4-14-14
3	REVISED PER CITY OF WILMINGTON.	7-7-14
4	REVISED PER CITY OF WILMINGTON TO ADJUST ROUNDABOUTS.	8-18-14
5	REVISED PER CITY OF WILMINGTON.	8-21-14

SITE PLAN
THE FORKS AT GALLERY PARK
 CITY OF WILMINGTON NEW HANOVER COUNTY NORTH CAROLINA

DATE: 12-4-13
 SCALE: 1"=50'
 DRAWN: JCB
 CHECKED: JEM
 PROJECT NO: 243

FINAL DRAWING FOR REVIEW PURPOSES ONLY

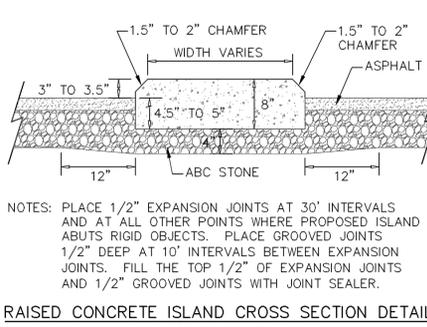
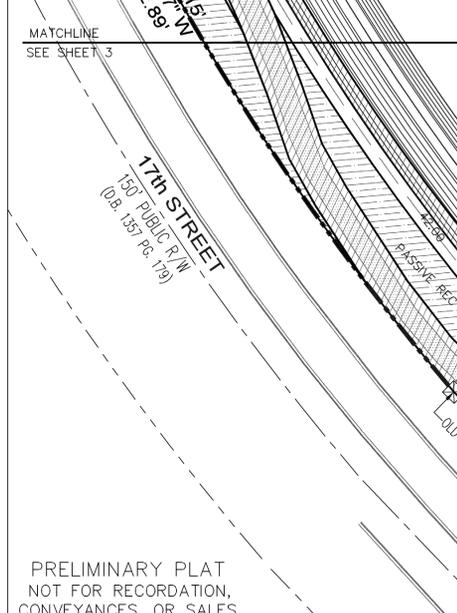
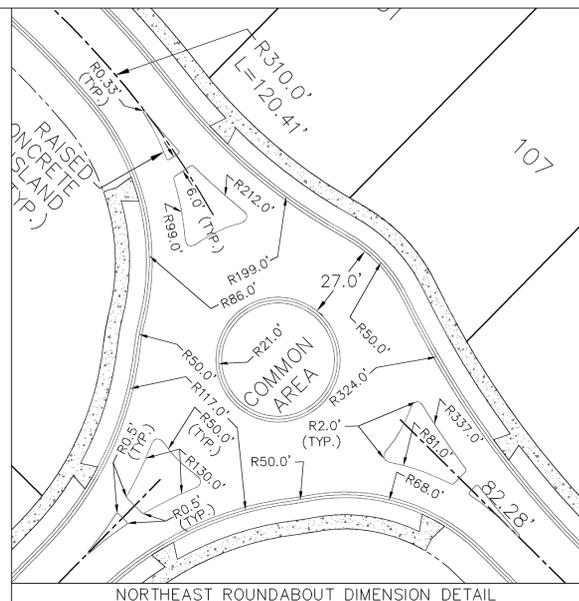
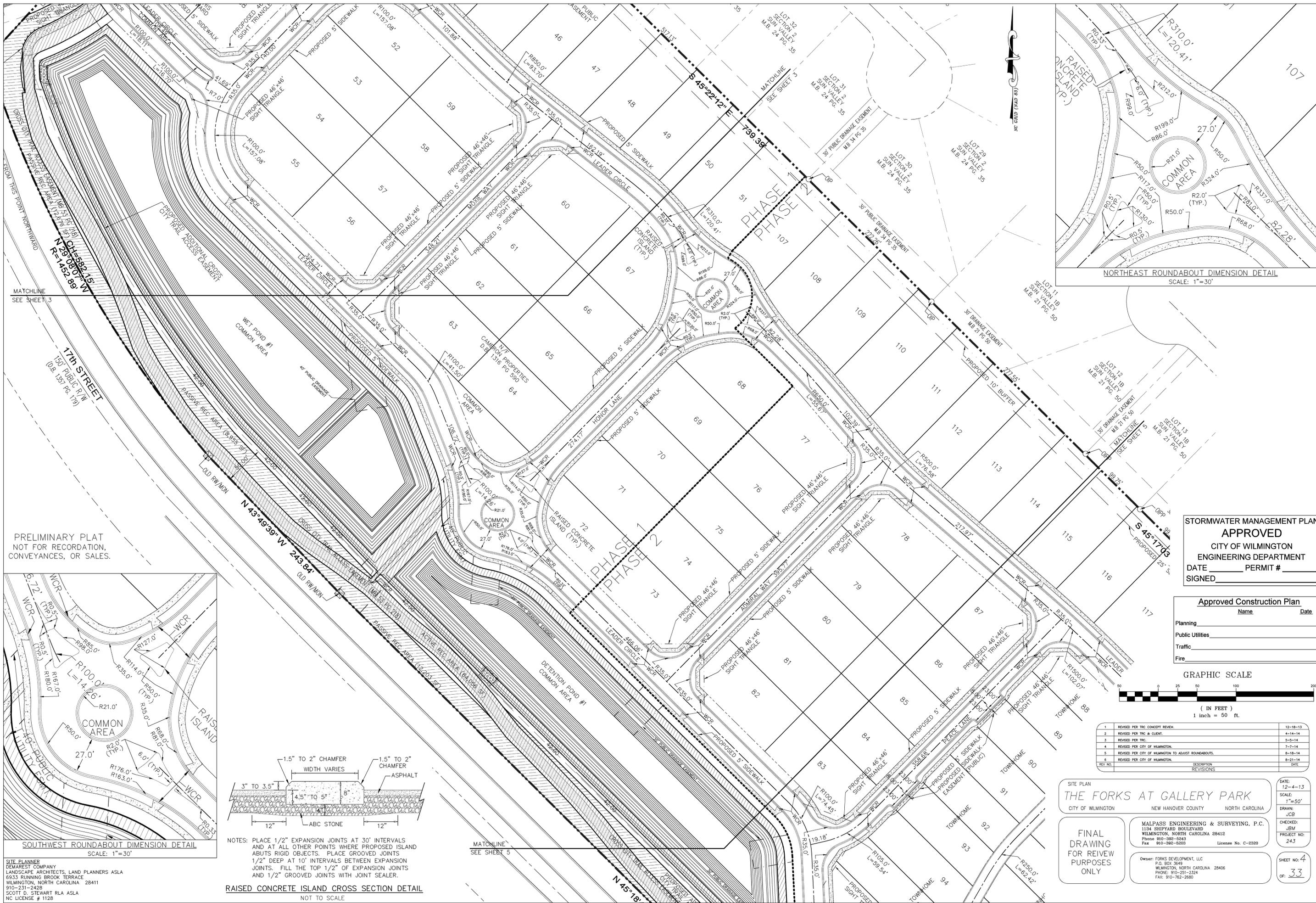
MALPASS ENGINEERING & SURVEYING, P.C.
 1134 SHEPARD BOULEVARD
 WILMINGTON, NORTH CAROLINA 28412
 Phone 910-392-8243
 Fax 910-392-5203 License No. C-2320

Owner: FORKS DEVELOPMENT, LLC
 P.O. BOX 3649
 WILMINGTON, NORTH CAROLINA 28406
 PHONE: 910-251-2324
 FAX: 910-762-2680

SHEET NO: 3
 OF: 33

SITE PLANNER
 DEMAREST COMPANY
 LANDSCAPE ARCHITECTS, LAND PLANNERS ASLA
 6933 RUNNING BROOK TERRACE
 WILMINGTON, NORTH CAROLINA 28411
 910-231-2428
 SCOTT D. STEWART RLA ASLA
 NC LICENSE # 1128

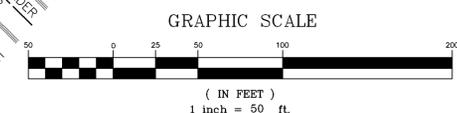
MATCHLINE
 SEE SHEET 4



STORMWATER MANAGEMENT PLAN
APPROVED
 CITY OF WILMINGTON
 ENGINEERING DEPARTMENT
 DATE _____ PERMIT # _____
 SIGNED _____

Approved Construction Plan

Name	Date
Planning	
Public Utilities	
Traffic	
Fire	



REV. NO.	DESCRIPTION	DATE
1	REVISED PER TRC CONCEPT REVIEW	12-18-13
2	REVISED PER TRC & CLIENT	4-14-14
3	REVISED PER TRC	5-2-14
4	REVISED PER CITY OF WILMINGTON	7-7-14
5	REVISED PER CITY OF WILMINGTON TO ADJUST ROUNDABOUTS	8-18-14
6	REVISED PER CITY OF WILMINGTON	8-21-14

SITE PLAN
THE FORKS AT GALLERY PARK
 CITY OF WILMINGTON NEW HANOVER COUNTY NORTH CAROLINA

DATE: 12-4-13
 SCALE: 1"=50'
 DRAWN: JCB
 CHECKED: JEM
 PROJECT NO: 243
 SHEET NO: 4
 OF: 33

FINAL DRAWING FOR REVIEW PURPOSES ONLY

MALPASS ENGINEERING & SURVEYING, P.C.
 1134 SHEPARD BOULEVARD
 WILMINGTON, NORTH CAROLINA 28412
 Phone 910-392-0243
 Fax 910-392-5203 License No. C-2320

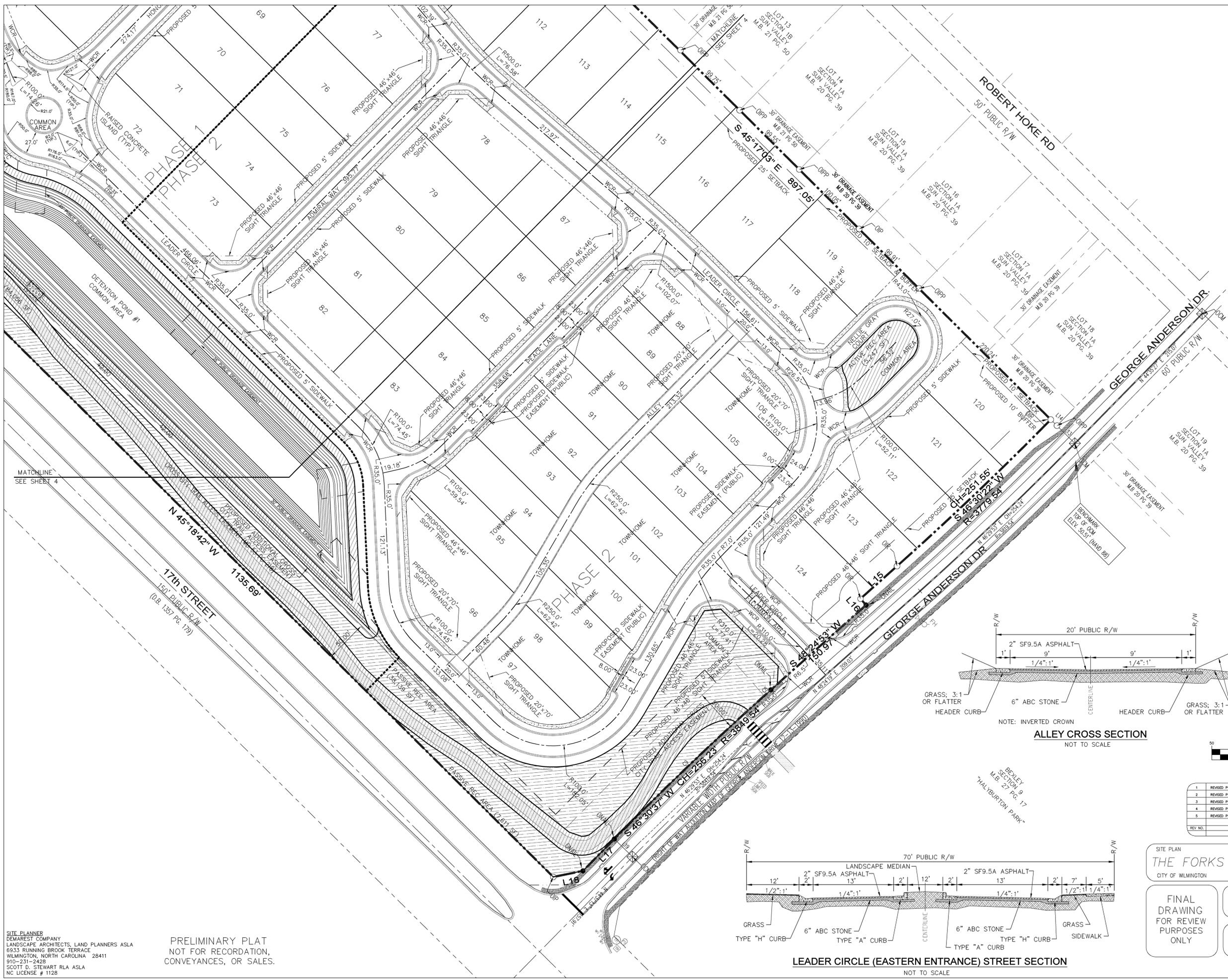
Owner: FORKS DEVELOPMENT, LLC
 P.O. BOX 3949
 WILMINGTON, NORTH CAROLINA 28406
 PHONE: 910-251-2324
 FAX: 910-762-2680

PRELIMINARY PLAT
 NOT FOR RECORDATION,
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SITE PLANNER
 DEMAREST COMPANY
 LANDSCAPE ARCHITECTS, LAND PLANNERS ASLA
 6933 RUNNING BROOK TERRACE
 WILMINGTON, NORTH CAROLINA 28411
 910-231-2428
 SCOTT D. STEWART RLA ASLA
 NC LICENSE # 1128

NOTES: PLACE 1/2" EXPANSION JOINTS AT 30' INTERVALS AND AT ALL OTHER POINTS WHERE PROPOSED ISLAND ABUTS RIGID OBJECTS. PLACE GROOVED JOINTS 1/2" DEEP AT 10' INTERVALS BETWEEN EXPANSION JOINTS. FILL THE TOP 1/2" OF EXPANSION JOINTS AND 1/2" GROOVED JOINTS WITH JOINT SEALER.

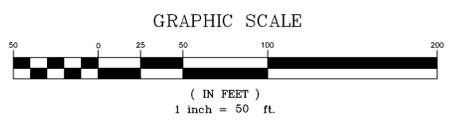
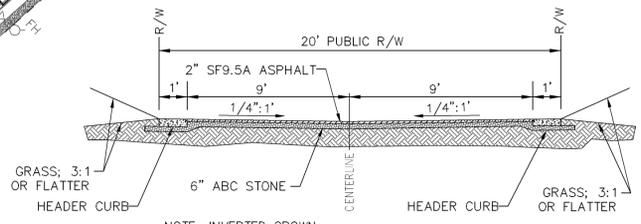
MATCHLINE
 SEE SHEET 5



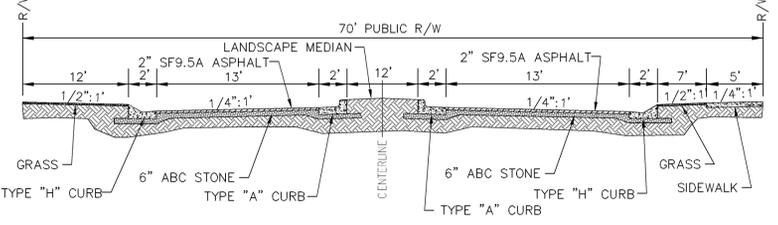
STORMWATER MANAGEMENT PLAN
APPROVED
 CITY OF WILMINGTON
 ENGINEERING DEPARTMENT
 DATE _____ PERMIT # _____
 SIGNED _____

Approved Construction Plan

Name	Date
Planning	
Public Utilities	
Traffic	
Fire	



REV. NO.	DESCRIPTION	DATE
1	REVISED PER TRC CONCEPT REVIEW	12-18-13
2	REVISED PER TRC & CLIENT	4-14-14
3	REVISED PER TRC	5-2-14
4	REVISED PER CITY OF WILMINGTON	7-7-14
5	REVISED PER CITY OF WILMINGTON	8-21-14



SITE PLAN
THE FORKS AT GALLERY PARK
 CITY OF WILMINGTON NEW HANOVER COUNTY NORTH CAROLINA

FINAL DRAWING FOR REVIEW PURPOSES ONLY

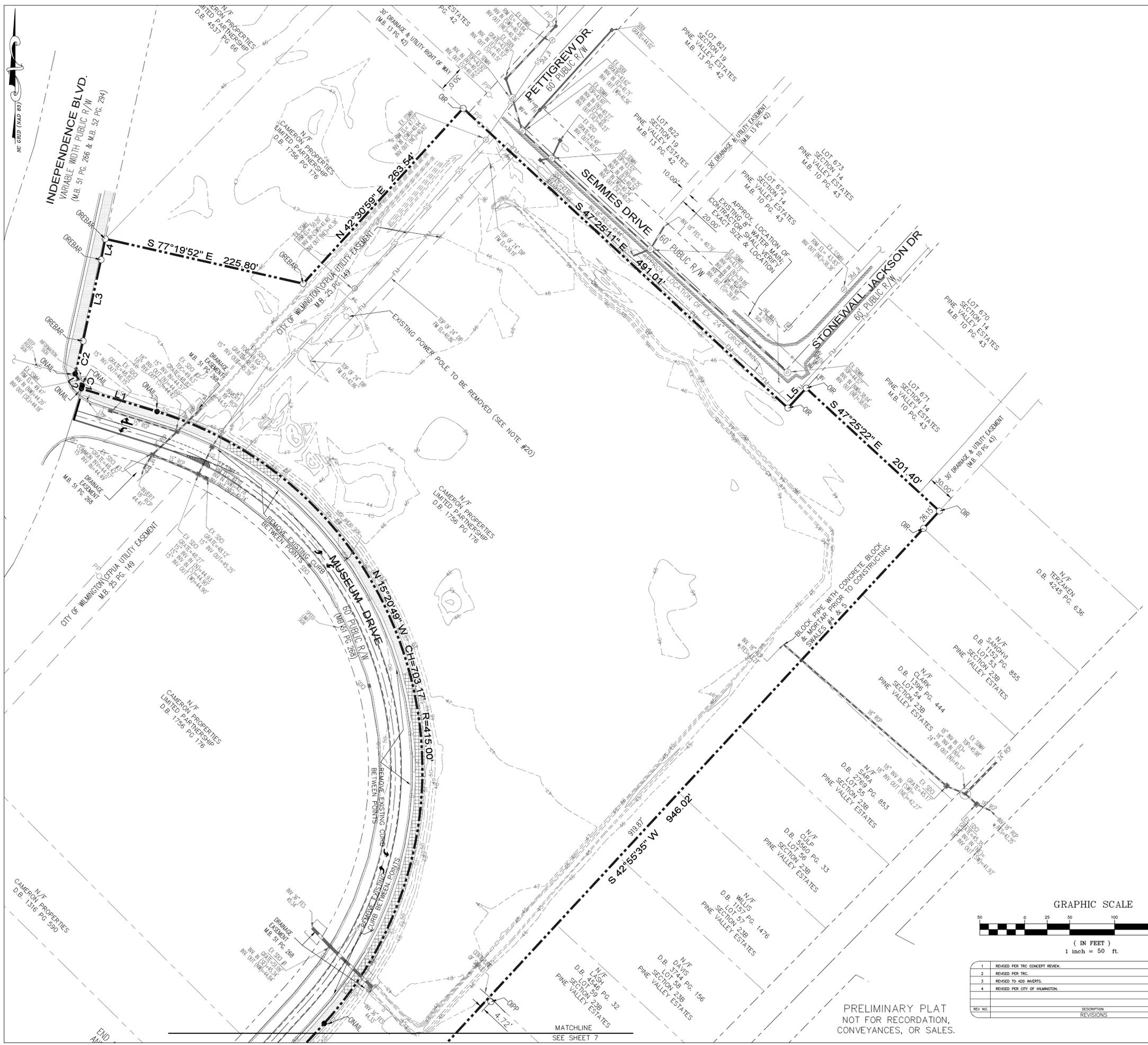
MALPASS ENGINEERING & SURVEYING, P.C.
 1134 SHEPARD BOULEVARD
 WILMINGTON, NORTH CAROLINA 28412
 Phone 910-392-0243
 Fax 910-392-0205 License No. C-2320

Owner: FORKS DEVELOPMENT, LLC
 P.O. BOX 3649
 WILMINGTON, NORTH CAROLINA 28406
 PHONE: 910-251-2324
 FAX: 910-762-2680

DATE: 12-4-13
 SCALE: 1"=50'
 DRAWN: JCB
 CHECKED: JEM
 PROJECT NO: 243
 SHEET NO: 5
 OF: 33

SITE PLANNER
 DEMAREST COMPANY
 LANDSCAPE ARCHITECTS, LAND PLANNERS ASLA
 6933 RUNNING BROOK TERRACE
 WILMINGTON, NORTH CAROLINA 28411
 910-231-2428
 SCOTT D. STEWART RLA ASLA
 NC LICENSE # 1128

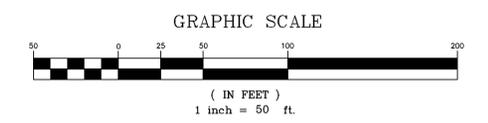
PRELIMINARY PLAT
 NOT FOR RECORDATION,
 CONVEYANCES, OR SALES.



- SITE INVENTORY NOTES**
1. SOILS ON SITE PER THE NEW HANOVER COUNTY SOIL SURVEY ARE B_e (BAYMEADE), K_r (KUREB), L_e (LEON), L_y (LYNN HAVEN), M_u (MURVILLE), & R_m (RIMINI).
 2. THERE ARE NO 404 OR SECTION 10 JURISDICTIONAL WETLANDS WITHIN THE PROPERTY BOUNDARIES PER USACOE.
 3. THIS SITE IS NOT LOCATED IN A SPECIAL FLOOD HAZARD AREA ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY'S FLOOD INSURANCE RATE MAPS, MAP NUMBER 3720312500J (DATED: 4-3-06) & MAP NUMBER 3720312600J (DATED: 4-3-06).
 4. RESEARCH ON THE CITY OF WILMINGTON'S TRANSPORTATION PLANNING WEBSITE ON NOVEMBER 20, 2013 RESULTED IN NO FINDINGS OF PROPOSED THOROUGHFARES, BIKE ROUTES, PEDESTRIAN SIDEWALKS OR TRAILS, OR TRANSIT FACILITIES AFFECTING THIS PROJECT.
 5. THE TRACT IS WITHIN THE CAPE FEAR RIVER BASIN. THE NORTHERN PART OF THE SITE DRAINS TO HEWLETT'S CREEK (SA) & THE SOUTHERN PART OF THE SITE DRAINS TO BARNARDS CREEK (C;Sw).
 6. CAMA LAND USE CLASSIFICATION PER THE 2006 CAMA PLAN UPDATE LAND CLASSIFICATION MAP IS URBAN.

STORMWATER MANAGEMENT PLAN
APPROVED
 CITY OF WILMINGTON
 ENGINEERING DEPARTMENT
 DATE _____ PERMIT # _____
 SIGNED _____

Approved Construction Plan	
Name	Date
Planning _____	
Public Utilities _____	
Traffic _____	
Fire _____	



REV. NO.	DESCRIPTION	DATE
1	REVISED PER THE CONCEPT REVIEW.	12-10-13
2	REVISED PER TRC.	3-28-14
3	REVISED TO ADD INVERTS.	4-14-14
4	REVISED PER CITY OF WILMINGTON.	7-7-14

EXISTING CONDITIONS, SITE INVENTORY, & DEMOLITION PLAN
THE FORKS AT GALLERY PARK
 CITY OF WILMINGTON NEW HANOVER COUNTY NORTH CAROLINA

FINAL DRAWING FOR REVIEW PURPOSES ONLY

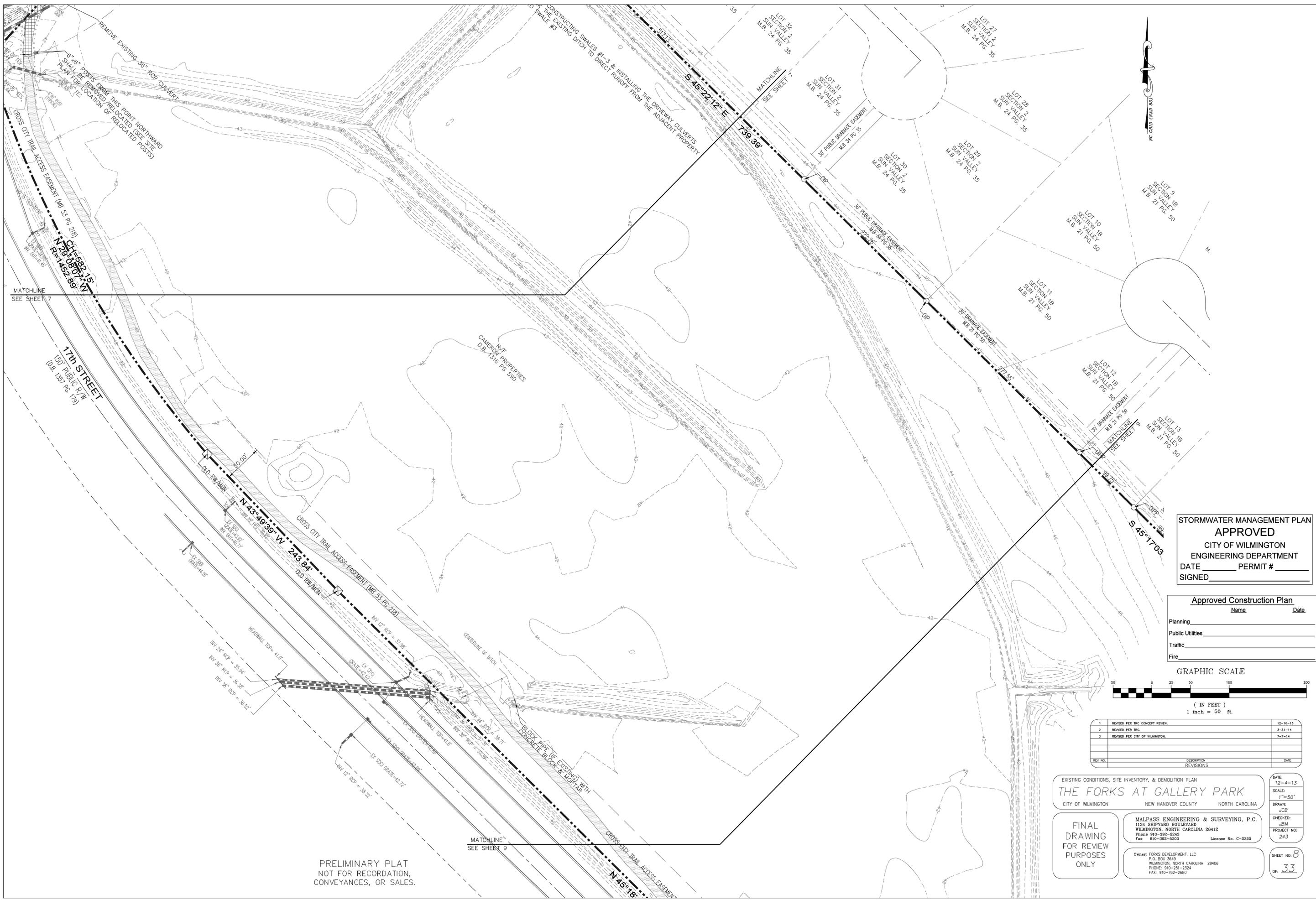
MALPASS ENGINEERING & SURVEYING, P.C.
 1134 SHEPARD BOULEVARD
 WILMINGTON, NORTH CAROLINA 28412
 Phone 910-392-0243
 Fax 910-392-5203 License No. C-2320

Owner: FORKS DEVELOPMENT, LLC
 P.O. BOX 3649
 WILMINGTON, NORTH CAROLINA 28406
 PHONE: 910-251-2324
 FAX: 910-762-2680

DATE: 12-4-13
 SCALE: 1"=50'
 DRAWN: JCB
 CHECKED: JEM
 PROJECT NO: 243
 SHEET NO: 6
 OF: 33

PRELIMINARY PLAT
 NOT FOR RECORDATION,
 CONVEYANCES, OR SALES.

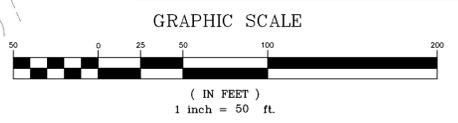
MATCHLINE
 SEE SHEET 7



STORMWATER MANAGEMENT PLAN
APPROVED
 CITY OF WILMINGTON
 ENGINEERING DEPARTMENT
 DATE _____ PERMIT # _____
 SIGNED _____

Approved Construction Plan

Name	Date
Planning	
Public Utilities	
Traffic	
Fire	



REV. NO.	DESCRIPTION	DATE
1	REVISED PER THE CONCEPT REVIEW	12-18-13
2	REVISED PER THE CITY OF WILMINGTON	3-31-14
3	REVISED PER CITY OF WILMINGTON	7-7-14

EXISTING CONDITIONS, SITE INVENTORY, & DEMOLITION PLAN

THE FORKS AT GALLERY PARK
 CITY OF WILMINGTON NEW HANOVER COUNTY NORTH CAROLINA

FINAL DRAWING FOR REVIEW PURPOSES ONLY

MALPASS ENGINEERING & SURVEYING, P.C.
 1134 SHEPARD BOULEVARD
 WILMINGTON, NORTH CAROLINA 28412
 Phone 910-392-8243
 Fax 910-392-5203 License No. C-2320

Owner: FORKS DEVELOPMENT, LLC
 P.O. BOX 3649
 WILMINGTON, NORTH CAROLINA 28406
 PHONE: 910-251-2324
 FAX: 910-762-2680

DATE: 12-4-13
 SCALE: 1"=50'
 DRAWN: JCB
 CHECKED: JEM
 PROJECT NO: 243
 SHEET NO: 8
 OF: 33

PRELIMINARY PLAT
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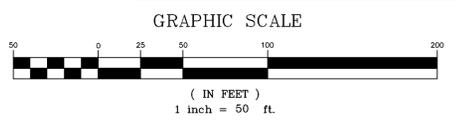
MATCHLINE
 SEE SHEET 9



STORMWATER MANAGEMENT PLAN
APPROVED
 CITY OF WILMINGTON
 ENGINEERING DEPARTMENT
 DATE _____ PERMIT # _____
 SIGNED _____

Approved Construction Plan

Name	Date
Planning	
Public Utilities	
Traffic	
Fire	



REV. NO.	DESCRIPTION	DATE
1	REVISED PER THE CONCEPT REVIEW	12-16-13
2	REVISED PER THE CITY OF WILMINGTON	3-28-14
3	REVISED PER CITY OF WILMINGTON	7-7-14

EXISTING CONDITIONS, SITE INVENTORY, & DEMOLITION PLAN
THE FORKS AT GALLERY PARK
 CITY OF WILMINGTON NEW HANOVER COUNTY NORTH CAROLINA

DATE: 12-4-13
 SCALE: 1"=50'
 DRAWN: JCB
 CHECKED: JEM
 PROJECT NO: 243
 SHEET NO: 9
 OF: 33

FINAL DRAWING FOR REVIEW PURPOSES ONLY

MALPASS ENGINEERING & SURVEYING, P.C.
 1134 SHEPARD BOULEVARD
 WILMINGTON, NORTH CAROLINA 28412
 Phone 910-392-8243
 Fax 910-392-8203 License No. C-2320

Owner: FORKS DEVELOPMENT, LLC
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 WILMINGTON, NORTH CAROLINA 28406
 PHONE: 910-251-2324
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PRELIMINARY PLAN
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 CONVEYANCES, OR SALES.



TOTAL AMOUNT & PERCENT OF IMPERVIOUS SURFACE AREAS ON SOUTHERN PORTION OF SITE (1,577,782 SF) INCLUDING ACCESS EASEMENT FOR MUSEUM DR & CHARLES PAINE DR:

BEFORE DEVELOPMENT			AFTER DEVELOPMENT		
	AREA (SF)	% OF SITE	EX. (SF)	PROPOSED (SF)	TOTAL (SF) % OF SITE
CROSS CITY TRAIL	32,957	2.09	0	369,889	369,889 23.44
MUSEUM DR	14,851	0.94	18,455	198,611	217,066 13.76
CHARLES PAINE DR	3,762	0.24	1,000	46,381	47,381 3.00
SIDEWALKS	0	0.00	0	5,000	5,000 0.32
CROSS CITY TRAIL	1,000	0.06	30,642	1,784	32,426 2.05
FUTURE	0	0.00	0	5,934	5,934 0.38
TOTAL	52,570	3.33	50,097	627,599	677,696 42.95

TOTAL AMOUNT & PERCENT OF IMPERVIOUS SURFACE AREAS ON NORTHERN PORTION OF SITE (452,604 SF):

BEFORE DEVELOPMENT			AFTER DEVELOPMENT		
	AREA (SF)	% OF SITE	EX. (SF)	PROPOSED (SF)	TOTAL (SF) % OF SITE
CROSS CITY TRAIL	2,736	0.61	0	132,407	132,407 29.25
TOTAL	2,736	0.61	0	33,709	33,709 7.45
			9,951	1,000	9,951 2.20
			0	1,000	1,000 0.22
			1,535	823	2,358 0.52
			1,535	177,890	179,425 39.65

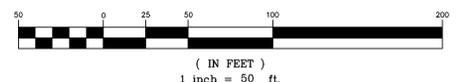
- UTILITY SEPARATION NOTES**
1. WATER MAINS SHALL HAVE A MINIMUM COVER OF 3'.
 2. SANITARY SEWER MAINS SHALL HAVE A MINIMUM COVER OF 3' OR D.I.P. SHALL BE USED.
 3. HORIZONTAL SEPARATION BETWEEN WATER AND SANITARY SEWER SHALL BE 10' BETWEEN EDGE OF PIPES.
 4. VERTICAL SEPARATION BETWEEN WATER AND SANITARY SEWER: WATER OVER SANITARY SEWER: >18" BETWEEN PIPES OR USE D.I.P. (ON BOTH) 10' ON EITHER SIDE OF CROSSING. SANITARY SEWER OVER WATER: USE D.I.P. (ON BOTH) 10' ON EITHER SIDE OF CROSSING.
 5. HORIZONTAL SEPARATION BETWEEN STORM SEWER & SANITARY SEWER SHALL BE 5' BETWEEN EDGE OF PIPES.
 6. A 24" VERTICAL SEPARATION BETWEEN PIPES SHALL BE PROVIDED BETWEEN STORM SEWER AND SANITARY SEWER. WHERE SEPARATION IS LESS THAN 24" & SANITARY IS OVER STORM USE D.I.P. ON SANITARY SEWER 10' ON EITHER SIDE OF CROSSING. WHERE SEPARATION IS LESS THAN 12" & STORM IS OVER SANITARY BRIDGING IS REQUIRED (SEE SANITARY SEWER DETAIL). WHERE SEPARATION IS 12"-24" & STORM IS OVER SANITARY BRIDGING OR D.I.P. ON SANITARY SEWER 10' ON EITHER SIDE OF CROSSING.
 7. HORIZONTAL SEPARATION BETWEEN WATER AND STORM SEWER SHALL BE 5' BETWEEN EDGE OF PIPES.
 8. VERTICAL SEPARATION BETWEEN WATER AND STORM SEWER: WATER OVER STORM SEWER: >18" BETWEEN PIPES OR USE D.I.P. ON WATER 10' ON EITHER SIDE OF CROSSING. STORM SEWER OVER WATER: USE D.I.P. ON WATER SIDE OF CROSSING. WATER 10' ON EITHER SIDE OF CROSSING.
 9. ALL SANITARY SEWER MANHOLES WITH A DROP OF 30" OR GREATER SHALL HAVE AN INSIDE DIAMETER OF 5" WITH AN INSIDE DROP STRUCTURE.
 10. GRAVITY SANITARY SEWER WITHIN 50' OF WETLANDS SHALL BE D.I.P. AND MEET WATER MAIN MATERIALS, TESTING METHODS AND ACCEPTABILITY STANDARDS {15A NCAC 18C}.
 11. SANITARY SEWER MANHOLES MUST BE GREATER THAN 50' FROM WETLANDS, AS MEASURED TO THE CLOSEST OUTSIDE EDGE.

STORMWATER MANAGEMENT PLAN APPROVED
 CITY OF WILMINGTON
 ENGINEERING DEPARTMENT
 DATE _____ PERMIT # _____
 SIGNED _____

Approved Construction Plan
 Name _____ Date _____
 Planning _____
 Public Utilities _____
 Traffic _____
 Fire _____

For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.

GRAPHIC SCALE



REV. NO.	DESCRIPTION	DATE
1	REVISED PER CLIENT	4-16-14
2	REVISED PER CITY OF WILMINGTON	5-21-14
3	REVISED PER CITY OF WILMINGTON	7-7-14
4	REVISED PER CITY OF WILMINGTON TO ADJUST ROUNDABOUTS	8-18-14
5	REVISED PER CITY OF WILMINGTON	8-21-14

EROSION CONTROL & STORMWATER PLAN
THE FORKS AT GALLERY PARK
 CITY OF WILMINGTON NEW HANOVER COUNTY NORTH CAROLINA

FINAL DRAWING FOR REVIEW PURPOSES ONLY

MALPASS ENGINEERING & SURVEYING, P.C.
 1134 SHEPARD BOULEVARD
 WILMINGTON, NORTH CAROLINA 28412
 Phone 910-392-0243
 Fax 910-392-5203 License No. C-2320

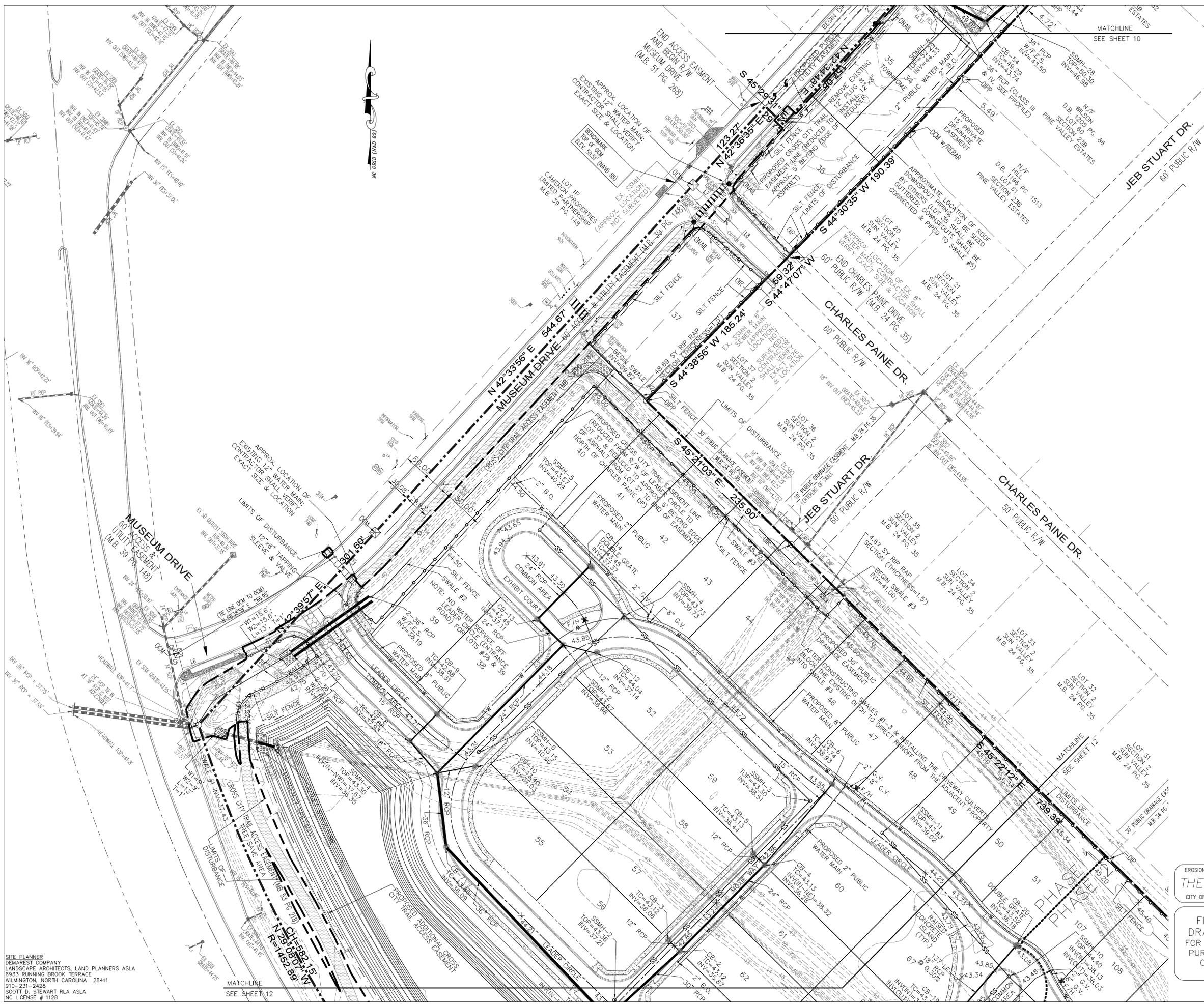
Owner: FORKS DEVELOPMENT, LLC
 P.O. BOX 3949
 WILMINGTON, NORTH CAROLINA 28406
 PHONE: 910-261-2324
 FAX: 910-762-2680

DATE: 3-31-14
 SCALE: 1"=50'
 DRAWN: JCB
 CHECKED: JEM
 PROJECT NO: 243
 SHEET NO: 10
 OF: 33

PRELIMINARY PLAT
 NOT FOR RECORDATION,
 CONVEYANCES, OR SALES.

SITE PLANNER
 DEMAREST COMPANY
 LANDSCAPE ARCHITECTS, LAND PLANNERS ASLA
 6933 RUNNING BROOK TERRACE
 WILMINGTON, NORTH CAROLINA 28411
 910-231-2428
 SCOTT D. STEWART RLA ASLA
 NC LICENSE # 1128

MATCHLINE
 SEE SHEET 11

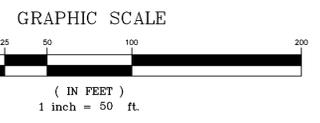


STORMWATER MANAGEMENT PLAN
APPROVED
 CITY OF WILMINGTON
 ENGINEERING DEPARTMENT
 DATE _____ PERMIT # _____
 SIGNED _____

Approved Construction Plan

Name	Date
Planning	
Public Utilities	
Traffic	
Fire	

PRELIMINARY PLAT
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 CONVEYANCES, OR SALES.



REV NO.	DESCRIPTION	DATE
1	REVISED PER CLIENT.	4-15-14
2	REVISED PER CLIENT TO ADJUST SEWER INVERTS.	4-29-14
3	REVISED PER CITY OF WILMINGTON.	5-21-14
4	REVISED PER CITY OF WILMINGTON.	7-7-14
5	REVISED PER CITY OF WILMINGTON TO ADJUST ROUNDABOUTS.	8-18-14
6	REVISED PER CITY OF WILMINGTON.	8-21-14

EROSION CONTROL & STORMWATER

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 CITY OF WILMINGTON NEW HANOVER COUNTY NORTH CAROLINA

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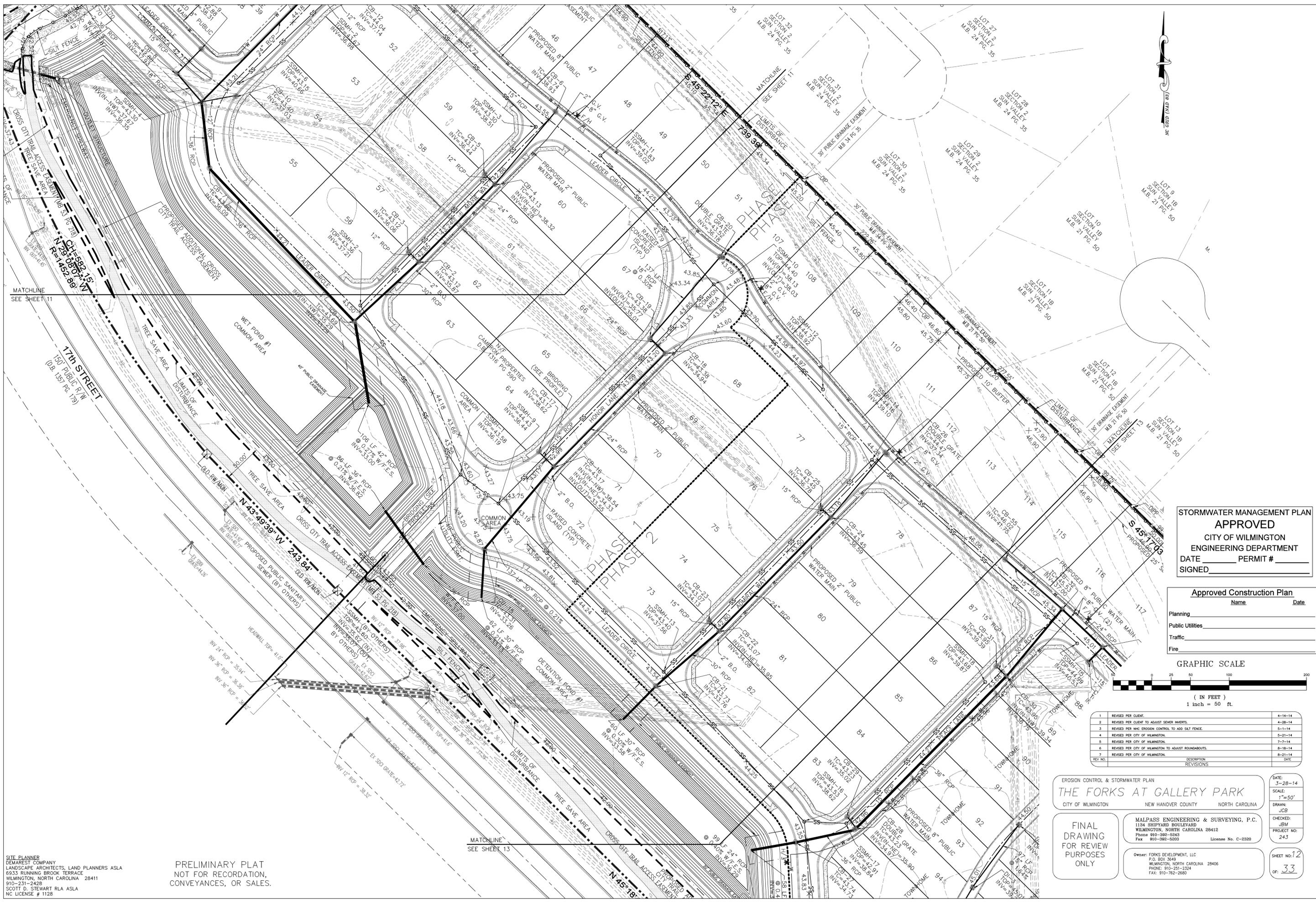
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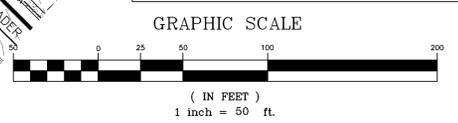
MATCHLINE
 SEE SHEET 12



STORMWATER MANAGEMENT PLAN
APPROVED
 CITY OF WILMINGTON
 ENGINEERING DEPARTMENT
 DATE _____ PERMIT # _____
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Approved Construction Plan

Name	Date
Planning	
Public Utilities	
Traffic	
Fire	



REV. NO.	DESCRIPTION	DATE
1	REVISED PER CLIENT.	4-14-14
2	REVISED PER CLIENT TO ADJUST SEWER INVERTS.	4-28-14
3	REVISED PER NHC EROSION CONTROL TO ADD SILT FENCE.	5-1-14
4	REVISED PER CITY OF WILMINGTON.	5-21-14
5	REVISED PER CITY OF WILMINGTON.	7-7-14
6	REVISED PER CITY OF WILMINGTON TO ADJUST ROUNDABOUTS.	8-18-14
7	REVISED PER CITY OF WILMINGTON.	8-21-14

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 PHONE: 910-261-2324
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DATE: 3-26-14
 SCALE: 1"=50'
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SITE PLANNER
 DEMAREST COMPANY
 LANDSCAPE ARCHITECTS, LAND PLANNERS ASLA
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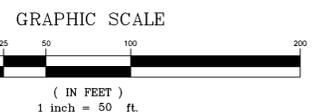
PRELIMINARY PLAT
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MATCHLINE
 SEE SHEET 13



STORMWATER MANAGEMENT PLAN
APPROVED
 CITY OF WILMINGTON
 ENGINEERING DEPARTMENT
 DATE _____ PERMIT # _____
 SIGNED _____

Approved Construction Plan	
Name	Date
Planning	
Public Utilities	
Traffic	
Fire	



REV. NO.	DESCRIPTION	DATE
1	REVISED PER CLIENT TO ADJUST SEWER INVERTS.	4-15-14
2	REVISED PER CLIENT TO ADJUST SEWER INVERTS.	4-28-14
3	REVISED PER NHC EROSION CONTROL TO ADD SAT FENCE.	5-1-14
4	REVISED PER CITY OF WILMINGTON.	5-21-14
5	REVISED PER CITY OF WILMINGTON.	7-7-14
6	REVISED TO SHOW OPEN CUT & INCREASE DISTURBANCE AREA WITHIN GEORGE ANDERSON DR R/W.	7-10-14
7	REVISED PER CITY OF WILMINGTON TO ADJUST ROUNDABOUTS.	8-18-14
8	REVISED PER CITY OF WILMINGTON.	8-21-14

EROSION CONTROL & STORMWATER PLAN

THE FORKS AT GALLERY PARK

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Permanent Seeding
 Specifications #6.11 – Specifications
 (Specifications are as per the "Erosion and Sediment Control Planning and Design Manual" of the state of North Carolina)
 Table 6.11a – Seeding No. 1CP for: Well-to Poorly Drained soils with Good Moisture Retention; Low Maintenance
 Seeding mixture
 Species Rate (lb/acre)
 Tall fescue 80
 Pensacola Bahiagrass 50
 Sericea lespedeza 30
 Kобе lespedeza 10

Seeding notes
 1. From Sept. 1 – Mar. 1, use unscarified sericea kobe
 2. On poorly drained sites omit sericea and increase Kобе to 30 lb/acre.
 3. Where a neat appearance is desired, omit sericea and increase Kобе to 40 lb/acre.

Nurse plants
 Between Apr. 15 & Aug. 15, add 10 lb/acre German millet or 15 lb/acre Sudangrass. Prior to May 1 or after Aug. 15, add 25 lb/acre rye (grain).

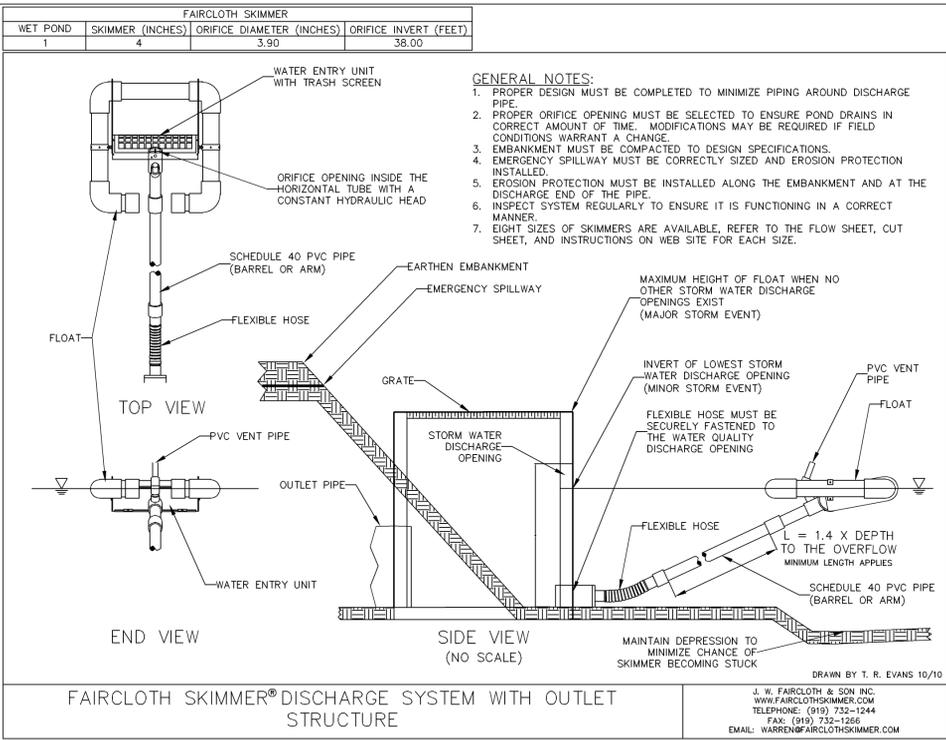
Seeding dates
 Best Sept. 15 – Mar. 20
 Possible Sept. 1 – Oct. 31

Temporary Seeding
 Specifications #6.10 – Specifications
 (Specifications are as per the "Erosion and Sediment Control Planning and Design Manual" of the state of North Carolina)
 Table 6.10a – Temporary Seeding Recommendations
 Seeding mixture
 Species Rate (lb/acre)
 Rye (grain) 120
 Annual lespedeza (Kobe in Piedmont and Coastal Plain, Korean in Mountains) 50

Omit annual lespedeza when duration of temporary cover is not to extend beyond June.

Seeding dates
 Mountains Above 2500 ft: Feb. 15–May 15
 Below 2500 ft: Feb. 1–May 1
 Piedmont – Jan. 1–May 1
 Coastal Plain – Dec. 1–Apr. 15

Soil amendments – Follow recommendations of soil tests or apply 2,000 lb/acre ground agricultural limestone and 750 lb/acre 10–10–10 fertilizer.
 Mulch – Apply 4,000 lb/acre straw. Anchor straw by tacking with asphalt, netting, or a mulch anchoring tool. A disk with blades set nearly straight can be used as a mulch anchoring tool.
 Maintenance – Refertilize if growth is not fully adequate. Reseed, refertilize and mulch immediately following erosion or other damage.



Soil amendments – Apply lime and fertilizer according to soil tests, or apply 3,000–5,000 lb/acre ground agricultural limestone (use the lower rate on sandy soils) and 1,000 lb/acre 10–10–10 fertilizer.
 Mulch – Apply 4,000 lb/acre grain straw or equivalent cover of another suitable mulch. Anchor straw by tacking with asphalt, netting, or roving or by crimping with a mulch anchoring tool. A disk with blades set nearly straight can be used as a mulch anchoring tool.
 Maintenance – If growth is less than fully adequate, refertilize in the second year, according to soil tests or topdress with 500 lb/acre 10–10–10 fertilizer. Mow as needed when sericea is omitted from the mixture. Reseed, fertilize, and mulch damaged areas immediately.

Table 6.11a – Seeding No. 2CP for: Well-to Poorly Drained soils with Good Moisture Retention; High Maintenance
 Seeding mixture
 Species Rate (lb/acre)
 Tall fescue (blend of two or three improved varieties) 200
 Rye (grain) 25

Seeding dates
 Best Sept. 15 – Oct. 15
 Possible: Sept. 1 – Oct. 31 or Feb. 15 – Apr. 30

Soil amendments – Apply lime and fertilizer according to soil tests, or apply 3,000–5,000 lb/acre ground agricultural limestone (use the lower rate on sandy soils) and 1,000 lb/acre 10–10–10 fertilizer.
 Mulch – Apply 4,000 lb/acre grain straw or equivalent cover of another suitable mulch. Anchor straw by tacking with asphalt, netting, or roving or by crimping with a mulch anchoring tool. A disk with blades set nearly straight can be used as a mulch anchoring tool.
 Maintenance – Fertilize according to soil tests or apply 40 lb/acre nitrogen in Jan. or Feb., 40 lb in Sept., and 40 lb in Nov., from 0.12–4–8, 15–4–5, or similar turf fertilizer. Avoid fertilizer application during warm weather, as this increases stand losses to disease. Reseed, fertilize, and mulch damaged areas immediately. Mow to a height of 2.5–3.5 inches as needed.

Table 6.11b – Seeding No. 3CP for: Dry Sands to Sandy Loams; High Maintenance, Fine Turf
 Seeding mixture
 Species Rate (lb/1,000 ft²)
 Tifway or Tifway II Minimum: 3
 hybrid Bermudagrass Rapid cover: 10

Seeding notes
 1. Sprig or sod (Practice 6.12, Sodding). Moisture is essential during initial establishment. Sod must be kept well watered for 2–3 weeks, but can be planted earlier or later than sprigs.
 2. Common Bermuda can be seeded or sprigged but does not produce a high-quality turf. It is also less cold tolerant than the hybrids, more weed prone, and a pest in flower beds and specimen plantings.

Table 6.10b Temporary seeding Recommendations for Summer
 Seeding mixture
 Species Rate (lb/acre)
 German millet 40

In the Piedmont and Mountains, a small-stemmed Sudangrass may be substituted at a rate of 50 lb/acre.

Seeding dates
 Mountains – May 15–Aug. 15
 Piedmont – May 1–Aug. 15
 Coastal Plain – Apr. 15–Aug. 15

Soil amendments – Follow recommendations of soil tests or apply 2,000 lb/acre ground agricultural limestone and 750 lb/acre 10–10–10 fertilizer.
 Mulch – Apply 4,000 lb/acre straw. Anchor straw by tacking with asphalt, netting, or a mulch anchoring tool. A disk with blades set nearly straight can be used as a mulch anchoring tool.
 Maintenance – Refertilize if growth is not fully adequate. Reseed, refertilize and mulch immediately following erosion or other damage.

Table 6.10c Temporary Seeding Recommendations for Fall
 Seeding mixture
 Species Rate (lb/acre)
 Rye (grain) 120

Seeding dates
 Mountains Aug. 15–Dec. 30
 Coastal Plain and Piedmont – Aug. 15–Dec. 30

Soil amendments – Follow soil tests or apply 2,000 lb/acre ground agricultural limestone and 1,000 lb/acre 10–10–10 fertilizer.
 Mulch – Apply 4,000 lb/acre straw. Anchor straw by tacking with asphalt, netting, or a mulch anchoring tool. A disk with blades set nearly straight can be used as a mulch anchoring tool.
 Maintenance – Repair and refertilize damaged areas immediately. Topdress with 50 lb/acre of nitrogen in March. If it is necessary to extend temporary cover beyond June 15, overseed with 50 lb/acre Kобе (Piedmont and Coastal Plain) or Korean (Mountains) lespedeza in late February or early March.

Soil amendments – Apply lime and fertilizer according to soil tests, or apply 3,000 lb/acre ground agricultural limestone and 500 lb/acre 10–10–10 fertilizer, or 500 lb/acre nitrogen from turf-type slow-release fertilizer. Add 25–50 lb/acre nitrogen at 2- to 3-week intervals through midsummer.
 Sprigging – Plant sprigs in furrows with a tractor-drawn transplanter, or broadcast by hand. Furrows should be 4–6 inches deep and 2 ft apart. Place sprigs about 2 ft apart in the row with one end at or above ground level (Figure 6.11d).

Broadcast at rates shown above, and press sprigs into the top 1/2–2 inches of soil with a disk set straight so that sprigs are not brought back toward the surface.
 Mulch – Do not mulch.
 Maintenance – Water as needed and mow to 3/4- to 1-inch height. Topdress with 40 lb/acre nitrogen in Apr., 50 lb in May, 50 lb in June, 30 lb in July, and 25–50 lb in Aug.

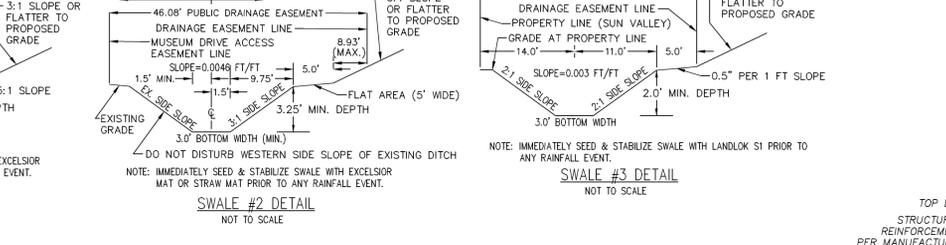
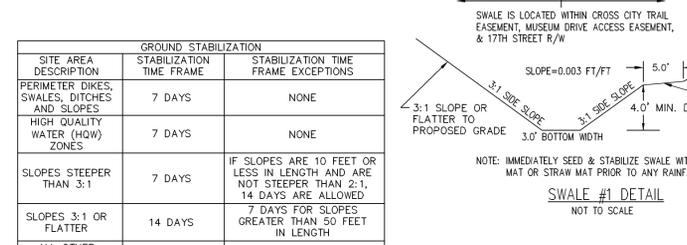


Table 6.11c – Seeding No. 4CP for: Well-Drained Sandy Loams to Dry Sands, Coastal Plain and Eastern Edge of Piedmont; Low-to Medium-Core Loams
 Seeding mixture
 Species Rate
 Centipedegrass 10–20 lb/acre (seed) or 33 bu/acre (sprigs)

Seeding dates
 Mar. – June
 (Sprigging can be done through July where water is available for irrigation.)

Soil amendments – Apply lime and fertilizer according to soil tests, or apply 300 lb/acre 10–10–10. Sprigging – Plant sprigs in furrows with a tractor-drawn transplanter, or broadcast by hand. Furrows should be 4–6 inches deep and 2 ft apart. Place sprigs about 2 ft apart in the row with one end at or above ground level (Figure 6.11d).
 Broadcast at rates shown above, and press sprigs into the top 1/2–2 inches of soil with a disk set straight so that sprigs are not brought back toward the surface.
 Maintenance – Fertilize very sparingly – 20 lb/acre nitrogen in spring with no phosphorus. Centipedegrass cannot tolerate high pH or excess fertilizer.

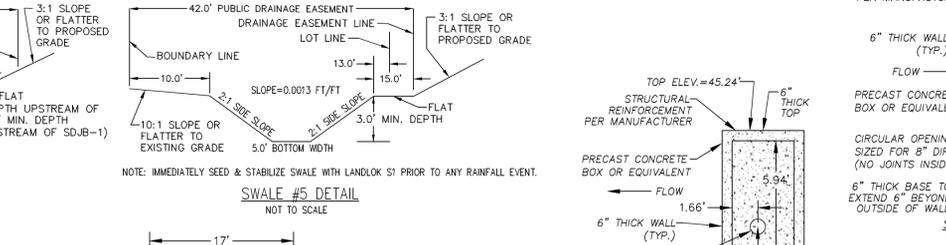
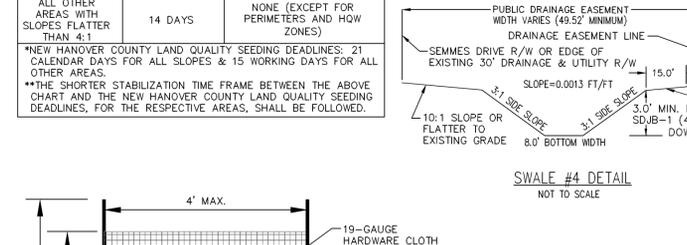


Table 6.11d – Seeding No. 5CP for: Well-Drained Sandy Loams to Dry Sands; Low Maintenance
 Seeding mixture
 Species Rate (lb/acre)
 Pensacola Bahiagrass 30
 Sericea lespedeza 10
 Common Bermudagrass 10
 German millet 10

Seeding notes
 1. Where a neat appearance is desired, omit sericea.
 2. Use common Bermuda only on isolated sites where it cannot become a pest. Bermudagrass may be replaced with 5 lb/acre centipedegrass.

Seeding dates
 Apr. 1 – July 15

Soil amendments – Apply lime and fertilizer according to soil tests, or apply 3,000 lb/acre ground agricultural limestone and 500 lb/acre 10–10–10 fertilizer.
 Mulch – Apply 4,000 lb/acre grain straw or equivalent cover of another suitable mulch. Anchor by tacking with asphalt, roving, or netting or by crimping with a mulch anchoring tool. A disk with blades set nearly straight can be used as a mulch anchoring tool.
 Maintenance – Refertilize the following Apr., with 50 lb/acre nitrogen. Repeat as growth requires. May be mowed only once a year. Where a neat appearance is desired, omit sericea and mow as often as possible.

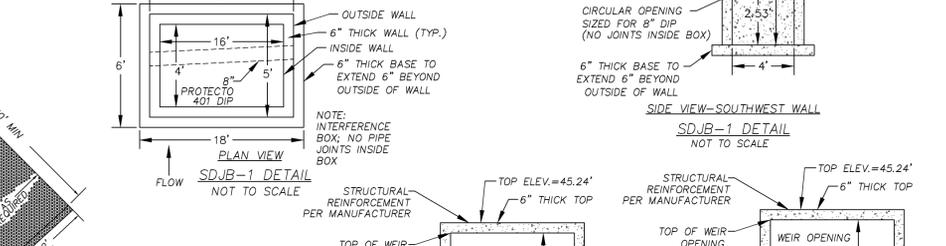
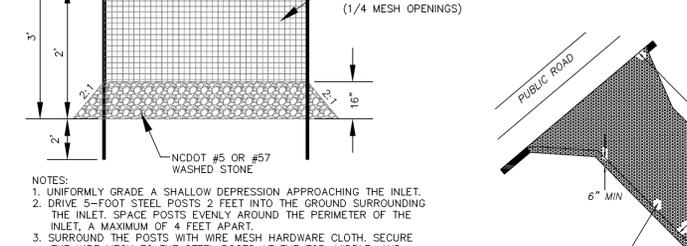


Table 6.11e – Seeding No. 7CP for: Grass-lined Channels; Coastal Plain, Lower Piedmont, and Dry Soils in the Central Piedmont
 Seeding mixture
 Species Rate (lb/acre)
 Common Bermudagrass 40–80 (1–2 lb/1,000 ft²)

Seeding dates
 Coastal Plain: Apr. – July
 Piedmont: Apr. 15 – June 30

Soil amendments – Apply lime and fertilizer according to soil tests, or apply 3,000 lb/acre ground agricultural limestone and 500 lb/acre 10–10–10 fertilizer.
 Mulch – Use late, excelsior matting or other effective channel lining material to cover the bottom of channels and ditches. The lining should extend above the highest calculated depth of flow. On channel side slopes above this height, and in drainages not requiring temporary linings, apply 4,000 lb/acre grain straw and anchor straw by stapling netting over the top. Mulch and anchoring materials must not be allowed to wash down slopes where they can clog drainage devices.
 Maintenance – A minimum of 3 weeks is required for establishment. Inspect and repair mulch frequently. Refertilize the following Apr. with 50 lb/acre nitrogen.

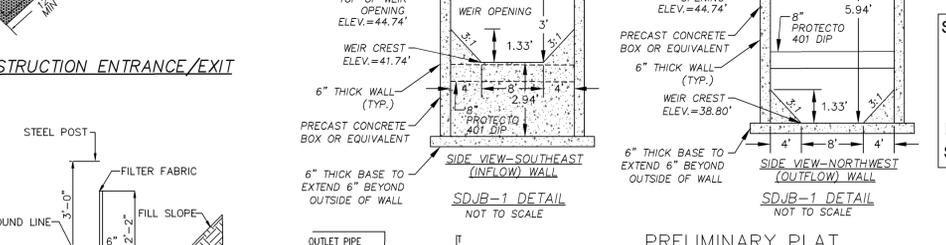
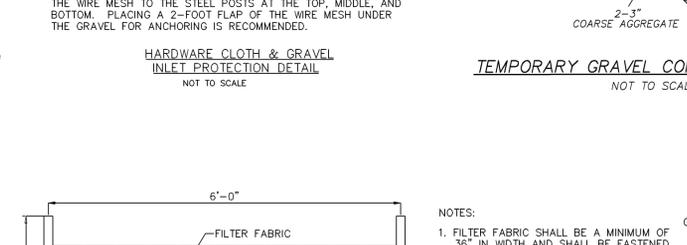
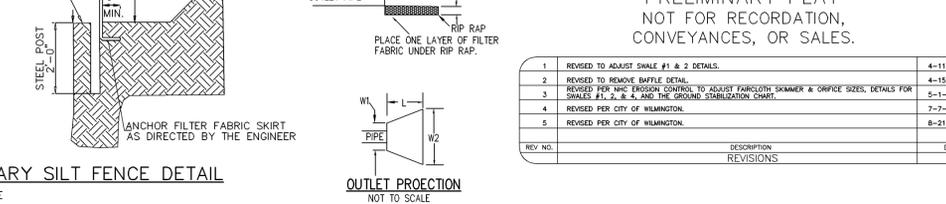
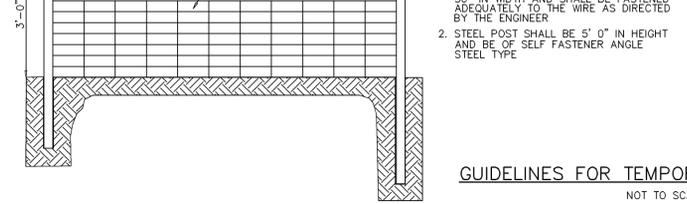


Table 6.11f – Seeding No. 8CP for: Cross-lined Channels; Coastal Plain, Lower Piedmont, and Dry Soils in the Central Piedmont
 Seeding mixture
 Species Rate (lb/acre)
 Common Bermudagrass 40–80 (1–2 lb/1,000 ft²)

Seeding dates
 Coastal Plain: Apr. – July
 Piedmont: Apr. 15 – June 30

Soil amendments – Apply lime and fertilizer according to soil tests, or apply 3,000 lb/acre ground agricultural limestone and 500 lb/acre 10–10–10 fertilizer.
 Mulch – Use late, excelsior matting or other effective channel lining material to cover the bottom of channels and ditches. The lining should extend above the highest calculated depth of flow. On channel side slopes above this height, and in drainages not requiring temporary linings, apply 4,000 lb/acre grain straw and anchor straw by stapling netting over the top. Mulch and anchoring materials must not be allowed to wash down slopes where they can clog drainage devices.
 Maintenance – A minimum of 3 weeks is required for establishment. Inspect and repair mulch frequently. Refertilize the following Apr. with 50 lb/acre nitrogen.

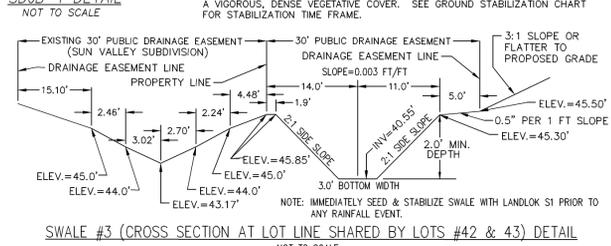
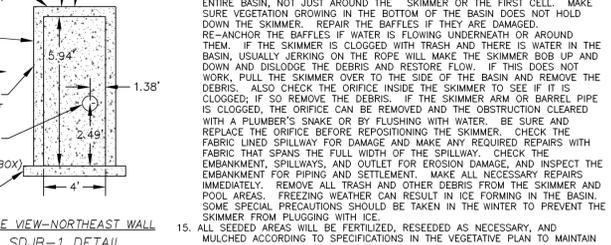
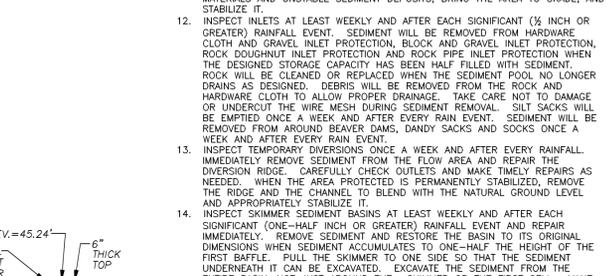


Refer to Appendix 8.02 for botanical names.

Notes:
 1. FILTER FABRIC SHALL BE A MINIMUM OF 36" IN WIDTH AND SHALL BE FASTENED ADEQUATELY TO THE WIRE AS DIRECTED BY THE ENGINEER.
 2. STEEL POST SHALL BE 5" O" IN HEIGHT AND BE OF SELF-FASTENER ANGLE STEEL TYPE.

Notes:
 1. FILTER FABRIC SHALL BE A MINIMUM OF 36" IN WIDTH AND SHALL BE FASTENED ADEQUATELY TO THE WIRE AS DIRECTED BY THE ENGINEER.
 2. STEEL POST SHALL BE 5" O" IN HEIGHT AND BE OF SELF-FASTENER ANGLE STEEL TYPE.

MAINTENANCE PLAN
 1. ALL EROSION CONTROL MEASURES WILL BE CHECKED EVERY 7 DAYS OR AFTER EACH RAIN PRODUCING 1/2 INCHES OR MORE WHICH EVER COMES FIRST.
 2. SEDIMENT WILL BE REMOVED FROM BEHIND SILT FENCES WHEN SEDIMENT IS 0.5 FEET DEEP AND REPAIR FABRIC TORN, LEAKING OR FAILING.
 3. ALL POINTS OF EGRESS WILL HAVE CONSTRUCTION ENTRIES THAT WILL BE PERIODICALLY TOP-DRESSED WITH AN ADDITIONAL 2 INCHES OF #4 STONE TO MAINTAIN PROPER DEPTH. THEY WILL BE MAINTAINED IN A CONDITION TO PREVENT MUD OR SEDIMENT FROM LEAVING THE SITE. IMMEDIATELY REMOVE OBJECTIONABLE MATERIAL SPILLED, WASHED, OR TRACKED ONTO THE CONSTRUCTION ENTRANCE OR ROADWAYS.
 4. CHECK SEDIMENT BASINS AFTER PERIODS OF SIGNIFICANT RUNOFF. REMOVE SEDIMENT AND RESTORE THE BASIN TO ITS ORIGINAL DIMENSIONS WHEN SEDIMENT ACCUMULATES TO ONE-HALF THE DESIGN DEPTH. CHECK THE EMBANKMENT, SPILLWAYS, AND OUTLET FOR EROSION DAMAGE, AND INSPECT THE EMBANKMENT FOR PIPING AND SETTLEMENT. MAKE ALL NECESSARY REPAIRS IMMEDIATELY. REMOVE ALL TRASH AND OTHER DEBRIS FROM THE DRAINAGE POOL AREA. GRAVEL WILL BE CLEANED OR REPLACED WHEN THE SEDIMENT POOL NO LONGER DRAINS PROPERLY OR IF THE ROCK IS DISLOADED.
 5. INSPECT TEMPORARY SEDIMENT TRAPS AFTER EACH SIGNIFICANT RAINFALL. REMOVE SEDIMENT AND RESTORE THE TRAP TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-HALF THE DESIGN DEPTH OF THE TRAP. PLACE THE SEDIMENT THAT IS REMOVED IN THE DESIGNATED DISPOSAL AREA AND REPLACE THE CONTAMINATED PART OF THE GRAVEL FACING. CHECK THE STRUCTURE FOR DAMAGE FROM EROSION OR PIPING. PERIODICALLY CHECK THE DEPTH OF THE SPILLWAY TO ENSURE IT IS A MINIMUM OF 1.5 FT BELOW THE LOW POINT OF THE EMBANKMENT. IMMEDIATELY FILL ANY SETTLEMENT OF THE EMBANKMENT TO SLIGHTLY ABOVE GRADE. ANY RIPRAP DISPLACED FROM THE SPILLWAY MUST BE REPLACED IMMEDIATELY. AFTER ALL SEDIMENT-PRODUCING AREAS HAVE BEEN PERMANENTLY STABILIZED, REMOVE THE STRUCTURE AND ALL UNSTABLE SEDIMENT. SMOOTH THE AREA TO BLEND WITH THE ADJOINING AREAS AND STABILIZE PROPERLY.
 6. INSPECT RIPRAP OUTLET STRUCTURES AFTER EACH RAINFALL TO SEE IF ANY EROSION AROUND OR BELOW THE RIPRAP HAS TAKEN PLACE OR IF STONES HAVE BEEN DISLOADED. IMMEDIATELY MAKE ALL NECESSARY REPAIRS TO PREVENT FURTHER DAMAGE.
 7. RIP RAP SHOULD BE INSPECTED PERIODICALLY FOR SCOUR OR DISLOADED STONES. CONTROL OF WEED AND BRUSH GROWTH MAY BE NEEDED IN SOME LOCATIONS.
 8. ROCK DAM: CHECK SEDIMENT AFTER EACH RAINFALL. REMOVE SEDIMENT AND RESTORE ORIGINAL VOLUME WHEN SEDIMENT ACCUMULATES TO ONE-HALF THE DESIGN VOLUME. CHECK THE STRUCTURE FOR EROSION, PIPING, AND ROCK DISPLACEMENT AFTER EACH SIGNIFICANT RAINFALL AND REPAIR IMMEDIATELY.
 9. INSPECT ALL MULCHES PERIODICALLY AND AFTER RAINFALLS TO CHECK FOR RILL EROSION, DISLOCATION, OR FAILURE. WHERE EROSION IS OBSERVED, APPLY ADDITIONAL MULCH IMMEDIATELY. IF WASHING OCCURS, REPAIR THE GRADE, RESEED, AND REINSTATE MULCH. CONTINUE INSPECTIONS UNTIL VEGETATION IS FIRMLY ESTABLISHED.
 10. INSPECT CHECK DAMS AND CHANNELS FOR DAMAGE AFTER EACH RUNOFF EVENT. ANTICIPATE SUBMERGENCE AND DEPOSITION ABOVE THE CHECK DAM AND EROSION FROM HIGH FLOWS AROUND THE EDGES OF THE DAM. CORRECT ALL DAMAGE IMMEDIATELY. IF SIGNIFICANT EROSION OCCURS BETWEEN DAMS, INSTALL A PROTECTIVE RIPRAP LINER IN THAT PORTION OF THE CHANNEL. REMOVE SEDIMENT ACCUMULATED BEHIND THE DAMS AS NEEDED TO PREVENT DAMAGE TO CHANNEL VEGETATION. ALLOW THE CHANNEL TO DRAIN THROUGH THE STONE CHECK DAM, AND PREVENT LARGE FLOWS FROM CARRYING SEDIMENT OVER THE DAM. ADD STONES TO DAMS AS NEEDED TO MAINTAIN DESIGN HEIGHT AND CROSS SECTION.
 11. INSPECT BAFFLES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY. BE SURE TO MAINTAIN ACCESS TO THE BAFFLES. SHOULD THE FABRIC OF A BAFFLE COLLAPSE, TEAR, DECOMPOSE, OR BECOME INEFFECTIVE, REPLACE IT PROMPTLY. REMOVE SEDIMENT DEPOSITS WHEN IT REACHES HALF FULL TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE BAFFLES. MAKE CARE TO AVOID DAMAGING THE BAFFLES DURING CLEANOUT. SEDIMENT DEPTH SHOULD NEVER EXCEED HALF THE DESIGN STORAGE DEPTH. AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED, REMOVE ALL BATTLE MATERIALS AND UNSTABLE SEDIMENT DEPOSITS. BRING THE AREA TO GRADE AND STABILIZE IT.
 12. INSPECT INLETS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (1/2 INCH OR GREATER) RAINFALL EVENT. SEDIMENT WILL BE REMOVED FROM HARDWARE CLOTH AND GRAVEL INLET PROTECTION. BLOCK AND GRAVEL INLET PROTECTION. ROCK DOUGHNUT INLET PROTECTION AND ROCK PIPE INLET PROTECTION WHEN THE DESIGN STORAGE CAPACITY HAS BEEN HALF FILLED WITH SEDIMENT. ROCK WILL BE CLEANED OR REPLACED WHEN THE SEDIMENT POOL NO LONGER DRAINS AS DESIGNED. DEBRIS WILL BE REMOVED FROM THE ROCK AND HARDWARE CLOTH TO ALLOW PROPER DRAINAGE. TAKE CARE NOT TO DAMAGE OR UNDERCUT THE WIRE MESH DURING SEDIMENT REMOVAL. SILT SACKS WILL BE EMPTIED ONCE A WEEK AND AFTER EACH RAIN EVENT. SEDIMENT WILL BE REMOVED FROM AROUND BEAVER DAMS, DANDY SACKS AND SOCKS ONCE A WEEK AND AFTER EVERY RAIN EVENT.
 13. INSPECT TEMPORARY DIVERSIONS ONCE A WEEK AND AFTER EVERY RAINFALL. IMMEDIATELY REMOVE SEDIMENT FROM THE FLOW AREA AND REPAIR THE DIVERSION RIDGE. CAREFULLY CHECK OUTLETS AND MAKE TIMELY REPAIRS AS NEEDED. WHEN THE AREA AROUND DIVERSIONS IS PERMANENTLY STABILIZED, REMOVE THE RIDGE AND THE CHANNEL TO BLEND WITH THE NATURAL GROUND LEVEL AND APPROPRIATELY STABILIZE IT.
 14. INSPECT SKIMMERS AND SEDIMENT BASINS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (ONE-HALF INCH OR GREATER) RAINFALL EVENT AND REPAIR IMMEDIATELY. REMOVE SEDIMENT AND RESTORE THE BASIN TO ITS ORIGINAL DIMENSIONS WHEN SEDIMENT ACCUMULATES TO ONE-HALF THE HEIGHT OF THE FIRST BAFFLE. PULL THE SKIMMER TO ONE SIDE SO THAT THE SEDIMENT UNDERNEATH IT CAN BE EXCAVATED. EXCAVATE THE SEDIMENT FROM THE ENTIRE BASIN, NOT JUST AROUND THE SKIMMER OR THE FIRST CELL. MAKE SURE VEGETATION GROWING IN THE BOTTOM OF THE BASIN DOES NOT HOLD DOWN THE SKIMMER. REPAIR THE BAFFLES IF THEY ARE DAMAGED. RE-ANCHOR THE BAFFLES IF WATER IS FLOWING UNDERNEATH OR AROUND THEM. IF THE SKIMMER IS CLOGGED WITH TRASH AND THERE IS WATER IN THE BASIN, USUALLY JERKING ON THE ROPE WILL MAKE THE SKIMMER BOB UP AND DOWN AND DISLODGE THE DEBRIS AND RESTORE FLOW. IF THIS DOES NOT WORK, PULL THE SKIMMER OVER TO THE SIDE OF THE BASIN AND REMOVE THE DEBRIS. ALSO CHECK THE ORIFICE INSIDE THE SKIMMER TO SEE IF IT IS CLOGGED. IF SO, REMOVE THE DEBRIS. IF THE SKIMMER ARM OR BARREL PIPE IS CLOGGED, THE ORIFICE CAN BE REMOVED AND THE OBSTRUCTION CLEARED WITH A PLUMBER'S SNAKE OR BY FLUSHING WITH WATER. BE SURE AND REPLACE THE ORIFICE BEFORE REPOSITIONING THE SKIMMER. CHECK THE FABRIC LINED SPILLWAY FOR DAMAGE AND MAKE ANY REQUIRED REPAIRS WITH FABRIC THAT SPANS THE FULL WIDTH OF THE SPILLWAY. CHECK THE EMBANKMENT, SPILLWAYS, AND OUTLET FOR EROSION DAMAGE, AND INSPECT THE EMBANKMENT FOR PIPING AND SETTLEMENT. MAKE ALL NECESSARY REPAIRS IMMEDIATELY. REMOVE ALL TRASH AND OTHER DEBRIS FROM THE SKIMMER AND POOL AREAS. FREEZING WEATHER CAN RESULT IN ICE FORMING IN THE BASIN. PREVENT PRECIPITATION FROM OCCURRING IN THE WINTER TO PREVENT THE SKIMMER FROM PLUGGING WITH ICE.
 15. ALL SEEDED AREAS WILL BE FERTILIZED, RESEED AS NECESSARY, AND MULCHED ACCORDING TO SPECIFICATIONS IN THE VEGETATION PLAN TO MAINTAIN A VIGOROUS, DENSE VEGETATIVE COVER. SEE GROUND STABILIZATION CHART FOR STABILIZATION TIME FRAME.



STORMWATER MANAGEMENT PLAN
 APPROVED
 CITY OF WILMINGTON
 ENGINEERING DEPARTMENT
 DATE _____ PERMIT # _____
 SIGNED _____

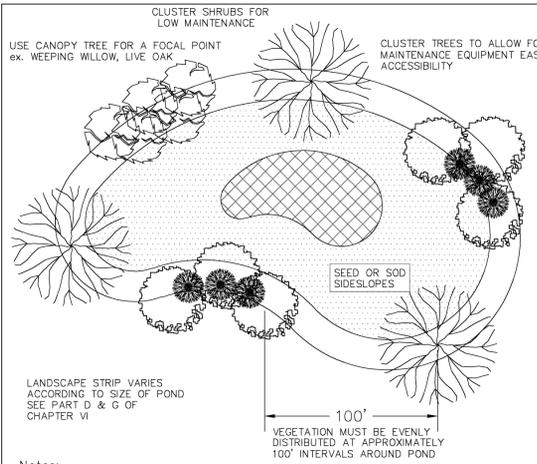
Approved Construction Plan
 Name _____ Date _____
 Planning _____
 Public Utilities _____
 Traffic _____
 Fire _____

EROSION CONTROL & STORMWATER DETAIL SHEET
THE FORKS AT GALLERY PARK
 CITY OF WILMINGTON
 NEW HANOVER COUNTY
 NORTH CAROLINA

DATE: 3-28-14
 SCALE: N.T.S.
 DRAWN: JCB
 CHECKED: JSM
 PROJECT NO: 243
 SHEET NO: 14 OF 33

OWNER: FORKS DEVELOPMENT, LLC
 P.O. BOX 3648
 WILMINGTON, NORTH CAROLINA 28406
 PHONE: 910-251-2324
 FAX: 910-762-2680

REVISIONS:
 1. REVISED TO ADJUST SHALE #1 & 2 DETAILS. 4-11-14
 2. REVISED TO REMOVE BAFFLE DETAIL. 4-11-14
 3. REVISED PER INC. EROSION CONTROL TO ADJUST FAIRCLOTH SKIMMER & ORIFICE SIZES. DETAILS FOR TABLES 6.11.2, 6.11.4 AND THE SEDIMENT STABILIZATION CHART. 5-1-14
 4. REVISED PER CITY OF WILMINGTON. 7-7-14
 5. REVISED PER CITY OF WILMINGTON. 8-21-14

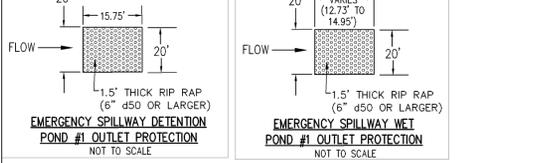


- Notes:
- If possible, locate pond where vegetation exists.
 - Suggest minimal clearing to conserve visual quality of site and minimize the additional of tree planting. An irregular shape provides a more natural appearance.
 - Landscape strip shall be a maximum slope of 7:1 in order to plant vegetation.
 - Provide a minimum of 3 inches of mulch around all vegetation.

TYPICAL STORM WATER FACILITY LANDSCAPING PLAN
SD 15-16

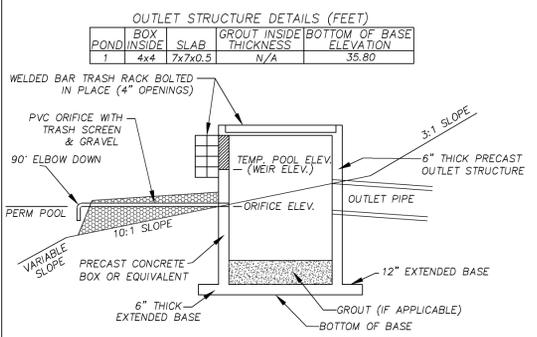
LOCATION	PLANT VARIETIES BOTANICAL NAME (COMMON NAME)	VEGETATIVE SHELF PLANT SCHEDULE	SPACING	SIZE	HATCHED SHELF AREA (SF)	PLANTINGS REQUIRED (MIN. 50 PER 200 SF)	PLANTINGS PROVIDED (MIN. 50 PER 200 SF)
*SHALLOW WATER (VEGETATIVE SHELF BELOW PERMANENT POOL ELEVATION: ELEV.=37.50' TO ELEV.=38.00')	<i>Acorus subcordatum</i> (Sweetflag), <i>Alisma subcordatum</i> (Water plantain), <i>Hydronea quadrivalvis</i> (Waterpod), <i>Iris virginica</i> (Blue flag iris), <i>Juncus effusus</i> var. <i>pygmaeus</i> or <i>solutus</i> (Soft rush), <i>Ludwigia</i> spp. (Primrose willow), <i>Peltandra virginica</i> (Arrow arum), <i>Pontederia cordata</i> (Pickersweed), <i>Sagittaria latifolia</i> (Duck Potato), <i>Sagittaria lancifolia</i> (Bulltongue), <i>Saururus cernuus</i> (Lizard's tail), <i>Schoenoplectus tabernaemontani</i> (Soft stem bulrush), <i>Schoenoplectus americanus</i> (Three-square bulrush), <i>Scirpus operinus</i> (Woolgrass), <i>Zizaniopsis milloides</i> (Giant cutgrass)	2' O.C. STAGGERED	5-6" PLUG	6,497.76	1,625	1,625	
**SHALLOW LAND (VEGETATIVE SHELF ABOVE PERMANENT POOL ELEVATION: ELEV.=38.00' TO ELEV.=38.50')	<i>Asclepias incarnata</i> (Swamp Milkweed), <i>Carex tenax</i> (Quill sedge), <i>Cheilanthe glabra</i> (White Turtlehead), <i>Eupatoriadelphus dubius</i> (Dwarf Joe Pye Weed), <i>Eupatoriadelphus fistulosus</i> (Joe Pye Weed), <i>Eupatoriadelphus maculatus</i> (Spotted trumpetweed), <i>Hibiscus coccineus</i> (Scarlet rose mallow), <i>Hibiscus loevis</i> (Halberdleaf rosemallow), <i>Kosteletzkya virginica</i> (Sageshore Mallow), <i>Lobelia cardinalis</i> (Cardinal flower), <i>Lobelia spicata</i> (longleaf lobelia), <i>Lobelia siphilitica</i> (Great blue Lobelia), <i>Rhynchospora colorata</i> (Starrush whitetop), <i>Saccharum baldwinii</i> (Narrow plumegrass)	2' O.C. STAGGERED	5-6" PLUG	6,035.99	1,509	1,509	

*AT LEAST 3 DIFFERENT SHALLOW WATER PLANT VARIETIES MUST BE PLANTED.
**AT LEAST 3 DIFFERENT SHALLOW LAND PLANT VARIETIES MUST BE PLANTED.



TEST LOCATION ID	EXISTING GROUND ELEVATION (FEET)*	SHWT. BELOW GROUND SURFACE** (INCHES)	SHWT. ELEVATION (FEET)***	GROUNDWATER ELEVATION (INCHES BELOW GROUND SURFACE)**	GROUNDWATER ELEVATION (FEET)***
B-1	41.69	34	39.69	48	37.69
B-2	42.97	32	38.47	50	36.81

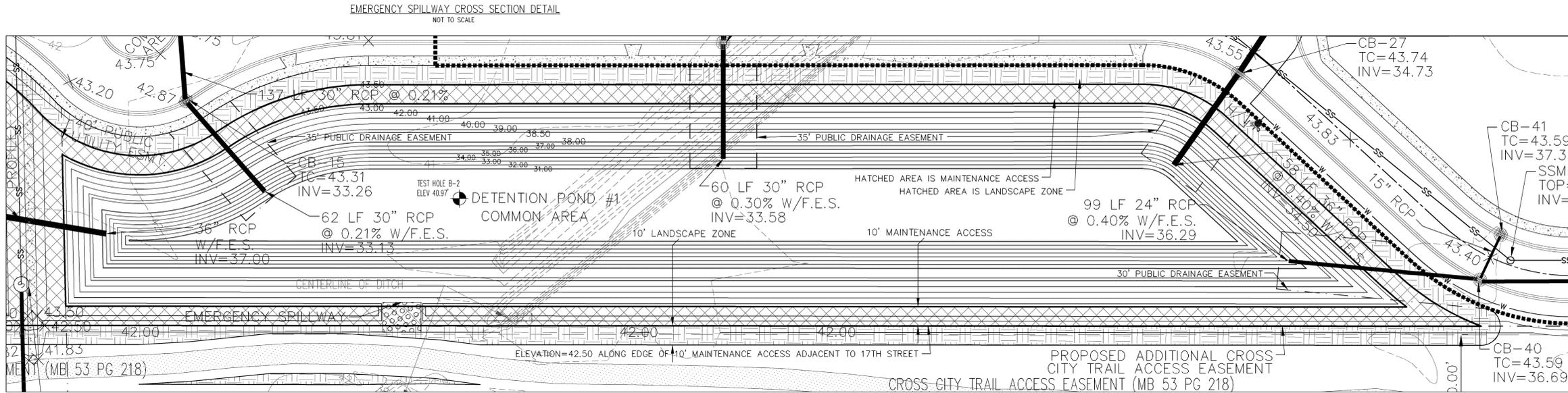
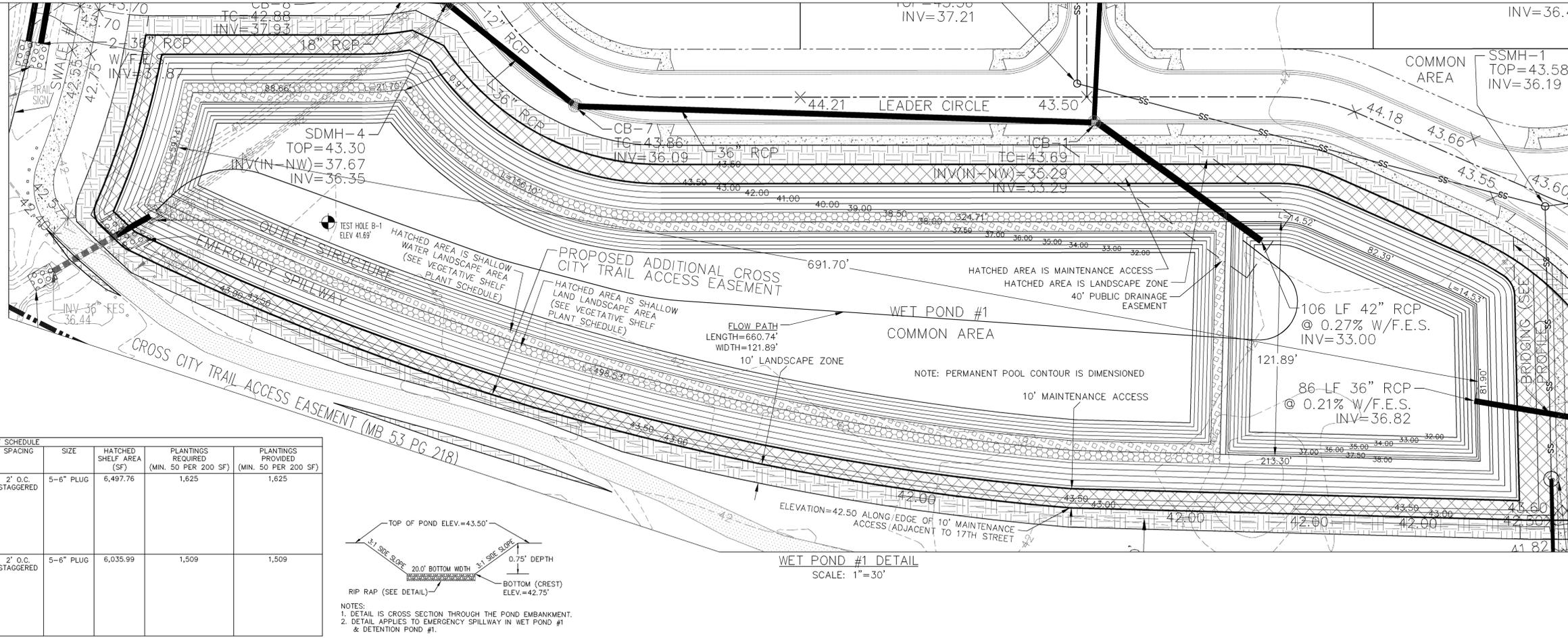
* INFORMATION PROVIDED BY SHERWIN D. CRIBB, P.L.S.
** INFORMATION PROVIDED BY ECS CAROLINAS, L.P.
*** CALCULATED BASED ON INFORMATION PROVIDED BY OTHERS



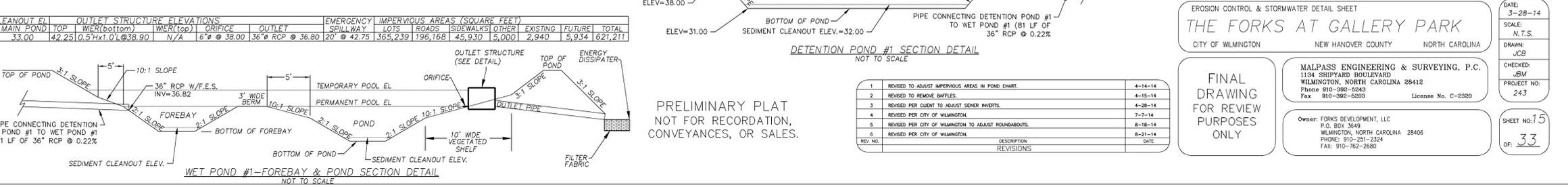
NOTE: ALL OUTLETS SHALL BE PROTECTED BY TRASH SCREENS/RACKS. THE TOP OF THE RISER SHALL HAVE A TRASH RACK MADE OF NUMBER 5 REBARS WELDED TO ANGLE FRAME. FRAME SHALL BE ATTACHED TO RISER 50 AS TO BE REMOVABLE FOR MAINTENANCE DURING CONSTRUCTION. THEY SHALL BE CLEANED OUT PRIOR TO USE AS WET PONDS.

WET POND #1	WET POND #2	FOREBAY	VEGETATED SHELF	SEDIMENT CLEANOUT EL.	OUTLET STRUCTURE ELEVATIONS	EMERGENCY SPILLWAY	IMPERVIOUS AREAS (SQ. FEET)
WET POND ELEV. 38.00	WET POND ELEV. 38.00	WET POND ELEV. 38.00	WET POND ELEV. 38.00				

- MUHLENBERGIA CAPILLARIS (PINK MUHLY) & SPARTINA BAKERI (CORDGRASS) OR CENTIPEDE SOD TO BE PLANTED ON SLOPES OF PONDS ABOVE ELEVATION=38.50'. MUHLENBERGIA CAPILLARIS (PINK MUHLY) & SPARTINA BAKERI (CORDGRASS), CENTIPEDE SOD, OR ANY SHALLOW LAND PLANT VARIETIES FROM THE VEGETATIVE SHELF PLANT SCHEDULE SHALL BE PLANTED IN DETENTION POND #1 & AROUND THE FOREBAY IN WET POND #1 FROM ELEVATION=38.00' TO 38.50'. SEE VEGETATIVE SHELF PLANT SCHEDULE FOR PLANTING OF VEGETATIVE SHELF (HATCHED AREA).
- THE WET POND #1 & DETENTION BASIN #1 ARE TO BE USED FOR SEDIMENT & EROSION CONTROL DURING CONSTRUCTION. THEY SHALL BE CLEANED OUT PRIOR TO USE AS WET PONDS.
- ALL WATER THAT DRAINS OFF IMPERVIOUS SURFACES, EXCEPT AS NOTED BELOW WILL BE DIRECTED INTO THE STORMWATER SYSTEM, BY EITHER RAISING AND SLOPING SITE TOWARDS THE STREET, PIPING TOWARDS THE STREET OR GUTTERING AND SPILLING WATER INTO FRONT YARDS THAT DRAIN TOWARDS THE STREET (ALL ROOF DRAINS MUST BE DIRECTED TO THE PONDS). IMPERVIOUS SURFACES (EXCLUDING HOUSES) IN THE REAR OF LOTS ADJACENT TO THE PROPOSED ALLEY SHALL DRAIN TO THE ALLEY.
- ENERGY DISSIPATORS TO HAVE FILTER FABRIC UNDERLAYMENT.
- IF THE PONDS NEED TO BE DRAINED FOR MAINTENANCE OR AN EMERGENCY A PUMP IS TO BE USED TO DRAIN THE PONDS.



ELEV. (FT)	AREA (SQ. FT.)	INCREMENTAL VOLUME (CU. FT.)	CUMULATIVE VOLUME (CU. FT.)
38.00	68,048	0	0
38.50	75,923	35,993	35,993
39.00	78,321	38,561	74,554
40.00	83,166	80,744	155,298
41.00	88,077	85,622	240,920
42.00	93,052	90,564	331,484
43.00	98,093	95,572	427,056
43.50	100,637	49,683	476,739



STORMWATER MANAGEMENT PLAN APPROVED

CITY OF WILMINGTON
ENGINEERING DEPARTMENT
DATE _____ PERMIT # _____
SIGNED _____

Approved Construction Plan

Name _____ Date _____

Planning _____
Public Utilities _____
Traffic _____
Fire _____

EROSION CONTROL & STORMWATER DETAIL SHEET

THE FORKS AT GALLERY PARK

CITY OF WILMINGTON NEW HANOVER COUNTY NORTH CAROLINA

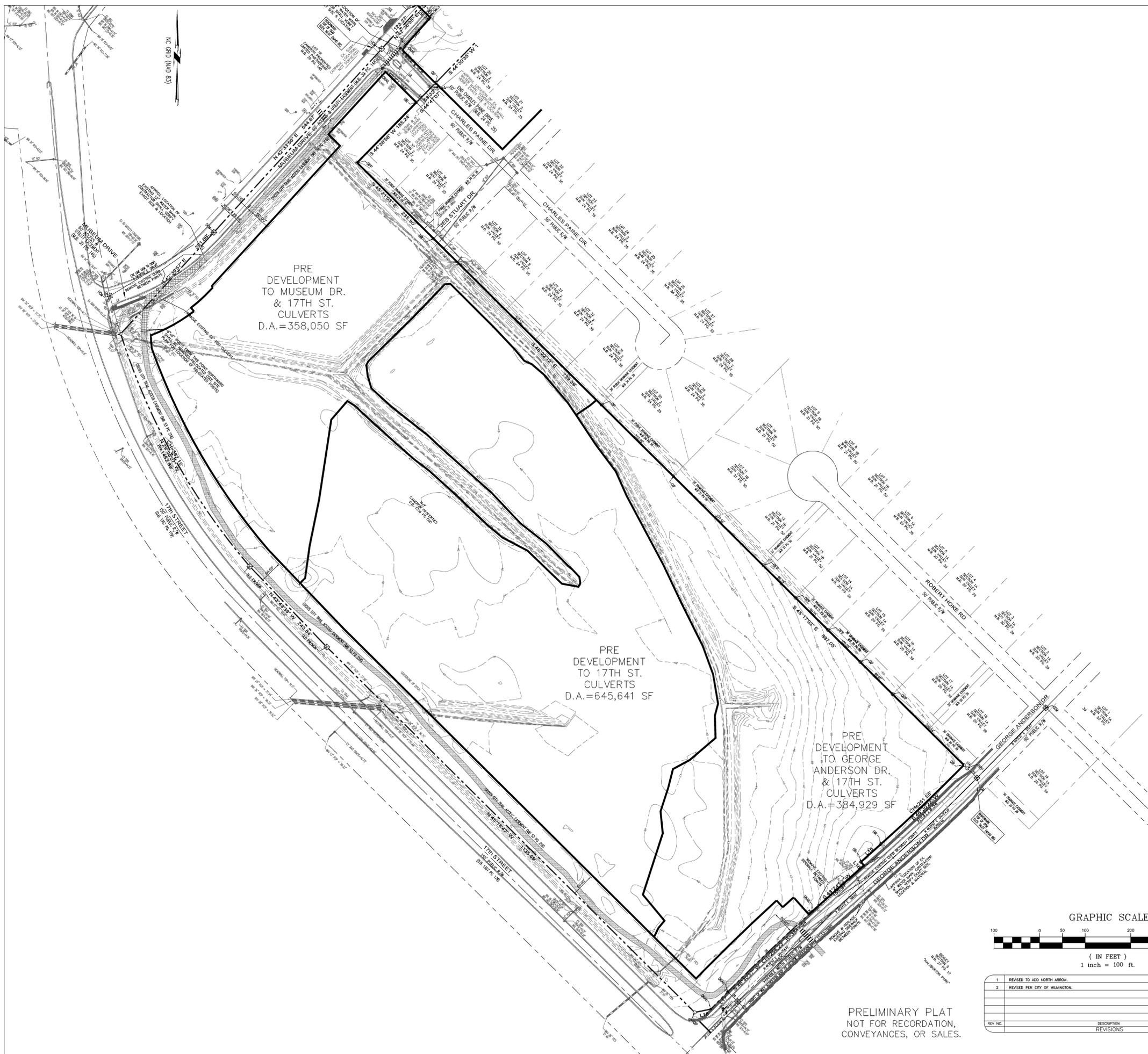
DATE: 3-28-14
SCALE: N.T.S.
DRAWN: JCB
CHECKED: JSM
PROJECT NO: 243

MALPASS ENGINEERING & SURVEYING, P.C.
1134 SHIPYARD BOULEVARD
WILMINGTON, NORTH CAROLINA 28412
Phone 910-392-0243
Fax 910-392-5203 License No. C-2320

Owner: FORKS DEVELOPMENT, LLC
P.O. BOX 3649
WILMINGTON, NORTH CAROLINA 28406
PHONE: 910-261-2324
FAX: 910-762-2680

FINAL DRAWING FOR REVIEW PURPOSES ONLY

SHEET NO: 15 OF 33



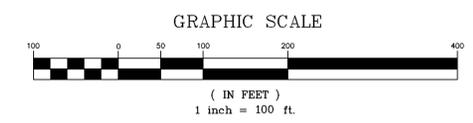
PRE DEVELOPMENT TO MUSEUM DR. & 17TH ST. CULVERTS
D.A. = 358,050 SF

PRE DEVELOPMENT TO 17TH ST. CULVERTS
D.A. = 645,641 SF

PRE DEVELOPMENT TO GEORGE ANDERSON DR. & 17TH ST. CULVERTS
D.A. = 384,929 SF

STORMWATER MANAGEMENT PLAN
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Fire _____



REV. NO.	DESCRIPTION	DATE
1	REVISED TO ADD NORTH ARROW	4-14-14
2	REVISED PER CITY OF WILMINGTON	7-7-14

DRAINAGE AREA MAP
THE FORKS AT GALLERY PARK
CITY OF WILMINGTON NEW HANOVER COUNTY NORTH CAROLINA

FINAL DRAWING FOR REVIEW PURPOSES ONLY

MALPASS ENGINEERING & SURVEYING, P.C.
1134 SHIPYARD BOULEVARD
WILMINGTON, NORTH CAROLINA 28412
Phone 910-392-0243
Fax 910-392-5205 License No. C-2320

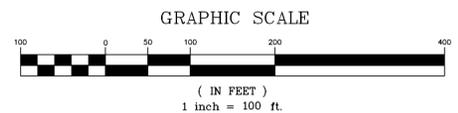
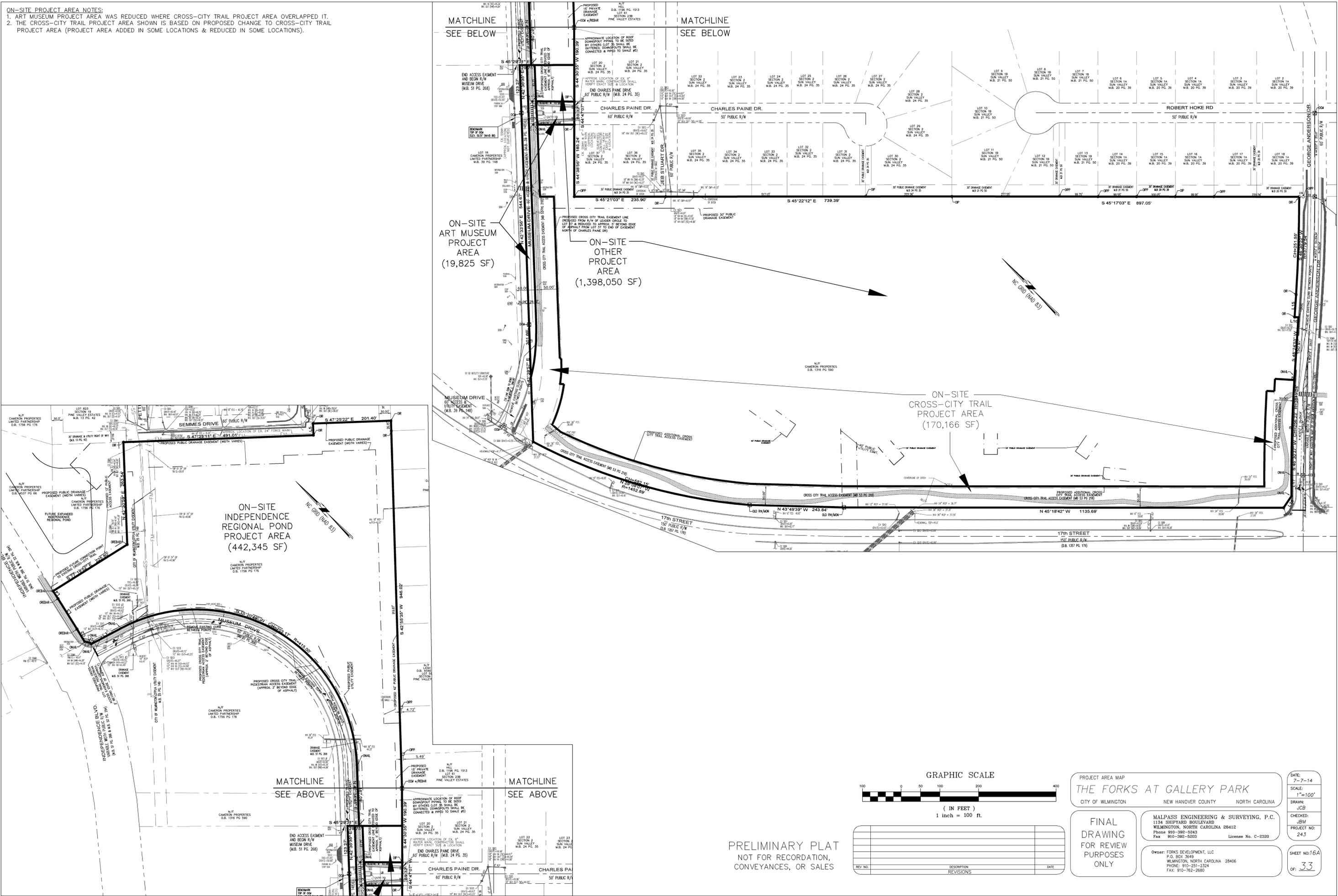
Owner: FORKS DEVELOPMENT, LLC
P.O. BOX 3649
WILMINGTON, NORTH CAROLINA 28406
PHONE: 910-251-2324
FAX: 910-762-2680

DATE: 3-31-14
SCALE: 1"=100'
DRAWN: JCB
CHECKED: JEM
PROJECT NO: 243
SHEET NO: 16
OF: 33

PRELIMINARY PLAT
NOT FOR RECORDATION,
CONVEYANCES, OR SALES.

ON-SITE PROJECT AREA NOTES:

1. ART MUSEUM PROJECT AREA WAS REDUCED WHERE CROSS-CITY TRAIL PROJECT AREA OVERLAPPED IT.
2. THE CROSS-CITY TRAIL PROJECT AREA SHOWN IS BASED ON PROPOSED CHANGE TO CROSS-CITY TRAIL PROJECT AREA (PROJECT AREA ADDED IN SOME LOCATIONS & REDUCED IN SOME LOCATIONS).



PRELIMINARY PLAT
NOT FOR RECORDATION,
CONVEYANCES, OR SALES

REV. NO.	DESCRIPTION	DATE

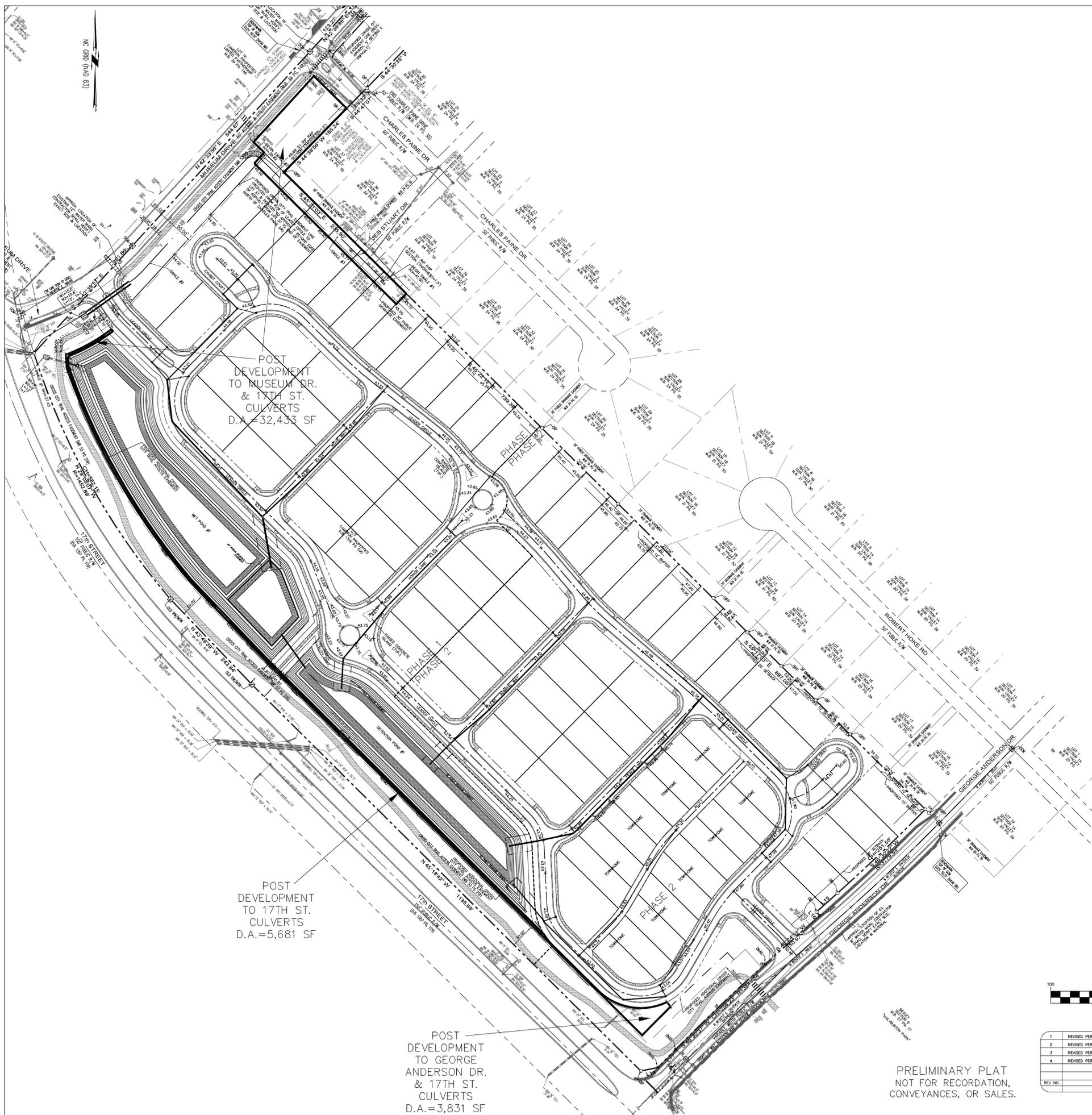
PROJECT AREA MAP
THE FORKS AT GALLERY PARK
CITY OF WILMINGTON NEW HANOVER COUNTY NORTH CAROLINA

FINAL DRAWING FOR REVIEW PURPOSES ONLY

MALPASS ENGINEERING & SURVEYING, P.C.
1134 SHEPARD BOULEVARD
WILMINGTON, NORTH CAROLINA 28412
Phone 910-392-0343
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Owner: FORKS DEVELOPMENT, LLC
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WILMINGTON, NORTH CAROLINA 28406
PHONE: 910-251-2324
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DATE: 7-7-14
SCALE: 1"=100'
DRAWN: JCB
CHECKED: JSM
PROJECT NO: 243
SHEET NO: 16A
OF: 33



POST DEVELOPMENT TO MUSEUM DR. & 17TH ST. CULVERTS D.A.=32,433 SF

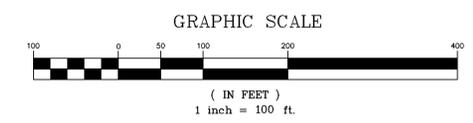
POST DEVELOPMENT TO 17TH ST. CULVERTS D.A.=5,681 SF

POST DEVELOPMENT TO GEORGE ANDERSON DR. & 17TH ST. CULVERTS D.A.=3,831 SF

STORMWATER MANAGEMENT PLAN
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 CITY OF WILMINGTON
 ENGINEERING DEPARTMENT
 DATE _____ PERMIT # _____
 SIGNED _____

Approved Construction Plan

Name	Date
Planning	
Public Utilities	
Traffic	
Fire	



REV. NO.	DESCRIPTION	DATE
1	REVISED PER CLIENT	8-14-14
2	REVISED PER CITY OF WILMINGTON	7-2-14
3	REVISED PER CITY OF WILMINGTON TO ADJUST ROUNDABOUTS	8-18-14
4	REVISED PER CITY OF WILMINGTON	8-21-14

DRAINAGE AREA MAP
THE FORKS AT GALLERY PARK
 CITY OF WILMINGTON NEW HANOVER COUNTY NORTH CAROLINA

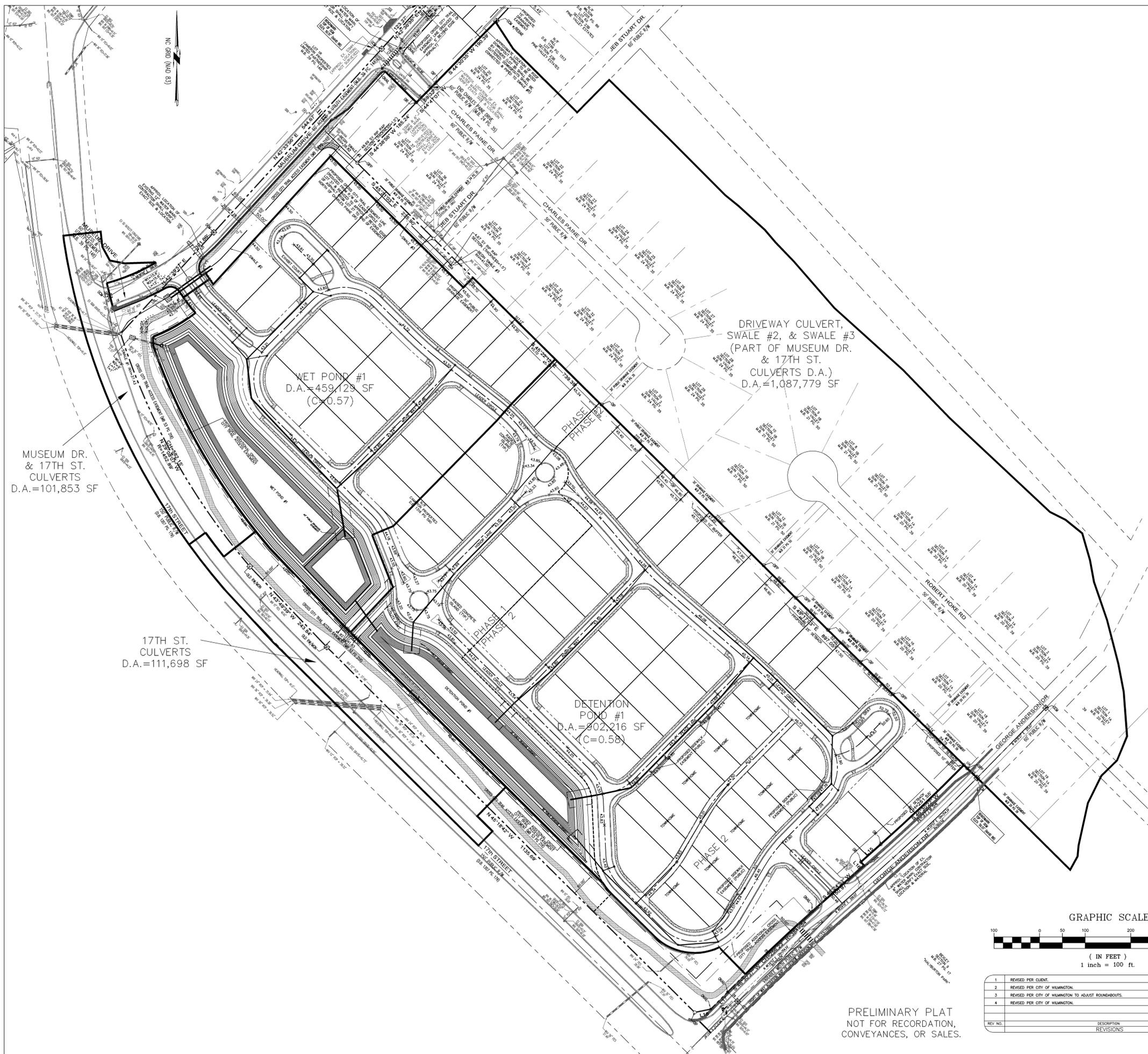
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MALPASS ENGINEERING & SURVEYING, P.C.
 1134 SHEPARD BOULEVARD
 WILMINGTON, NORTH CAROLINA 28412
 Phone 910-392-0343
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Owner: FORKS DEVELOPMENT, LLC
 P.O. BOX 3649
 WILMINGTON, NORTH CAROLINA 28406
 PHONE: 910-251-2324
 FAX: 910-762-2680

DATE: 3-31-14
 SCALE: 1"=100'
 DRAWN: JCB
 CHECKED: JEM
 PROJECT NO: 243
 SHEET NO: 17
 OF: 33

PRELIMINARY PLAT
 NOT FOR RECORDATION,
 CONVEYANCES, OR SALES.



MUSEUM DR. & 17TH ST. CULVERTS
D.A.=101,853 SF

17TH ST. CULVERTS
D.A.=111,698 SF

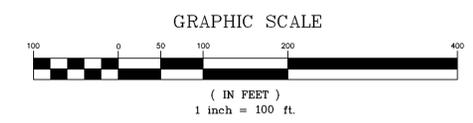
WET POND #1
D.A.=459,129 SF
(C=0.57)

DETENTION POND #1
D.A.=802,216 SF
(C=0.58)

DRIVEWAY CULVERT,
SWALE #2, & SWALE #3
(PART OF MUSEUM DR. & 17TH ST. CULVERTS D.A.)
D.A.=1,087,779 SF

STORMWATER MANAGEMENT PLAN
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Planning _____
Public Utilities _____
Traffic _____
Fire _____



REV. NO.	DESCRIPTION	DATE
1	REVISED PER CLIENT	4-18-14
2	REVISED PER CITY OF WILMINGTON	7-7-14
3	REVISED PER CITY OF WILMINGTON TO ADJUST ROUNDABOUTS	8-18-14
4	REVISED PER CITY OF WILMINGTON	8-21-14

PRELIMINARY PLAT
NOT FOR RECORDATION,
CONVEYANCES, OR SALES.

DRAINAGE AREA MAP
THE FORKS AT GALLERY PARK
CITY OF WILMINGTON NEW HANOVER COUNTY NORTH CAROLINA

FINAL DRAWING FOR REVIEW PURPOSES ONLY

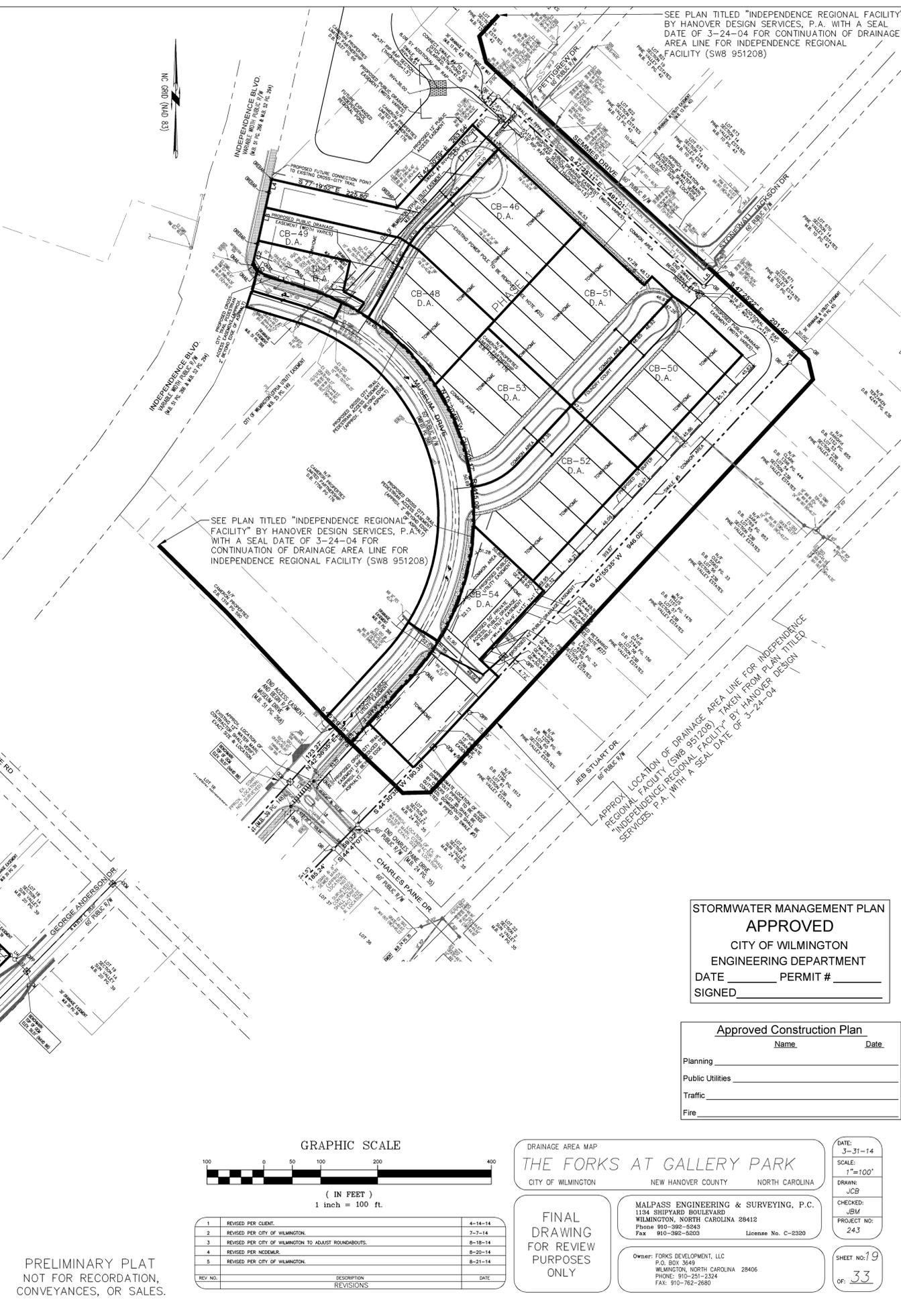
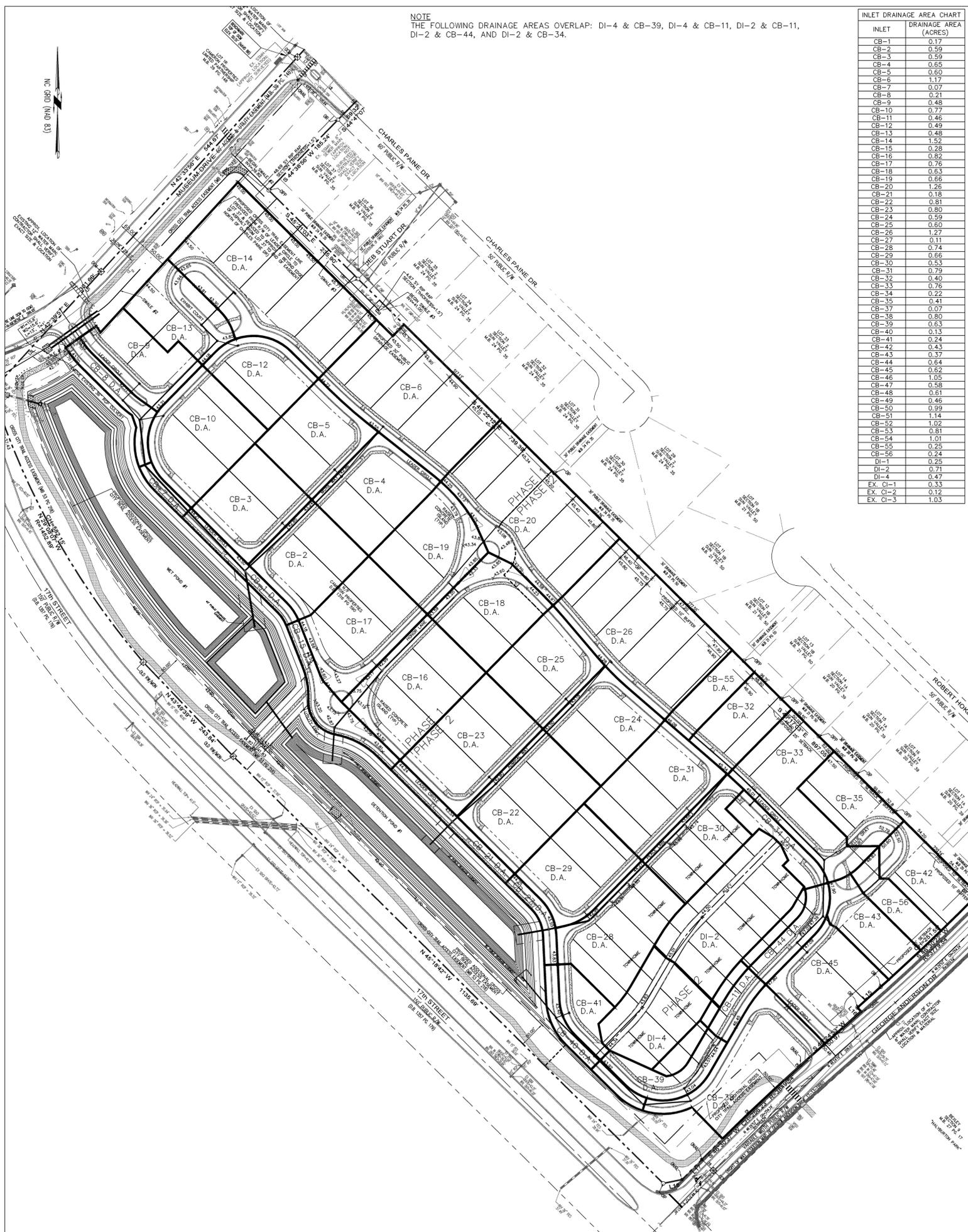
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PHONE: 910-251-2324
FAX: 910-762-2680

DATE: 3-31-14
SCALE: 1"=100'
DRAWN: JCB
CHECKED: JEM
PROJECT NO: 243
SHEET NO: 18
OF: 33

NOTE
 THE FOLLOWING DRAINAGE AREAS OVERLAP: DI-4 & CB-39, DI-4 & CB-11, DI-2 & CB-11,
 DI-2 & CB-44, AND DI-2 & CB-34.

INLET	DRAINAGE AREA (ACRES)
CB-1	0.17
CB-2	0.59
CB-3	0.59
CB-4	0.65
CB-5	0.60
CB-6	1.17
CB-7	0.07
CB-8	0.21
CB-9	0.48
CB-10	0.77
CB-11	0.46
CB-12	0.49
CB-13	0.48
CB-14	1.32
CB-15	0.28
CB-16	0.82
CB-17	0.76
CB-18	0.83
CB-19	0.66
CB-20	1.26
CB-21	0.18
CB-22	0.81
CB-23	0.80
CB-24	0.59
CB-25	0.60
CB-26	1.27
CB-27	0.11
CB-28	0.74
CB-29	0.66
CB-30	0.53
CB-31	0.79
CB-32	0.40
CB-33	0.76
CB-34	0.22
CB-35	0.41
CB-36	0.07
CB-37	0.07
CB-38	0.80
CB-39	0.63
CB-40	1.13
CB-41	0.24
CB-42	0.43
CB-43	0.37
CB-44	0.64
CB-45	0.62
CB-46	1.05
CB-47	0.58
CB-48	0.61
CB-49	0.46
CB-50	0.99
CB-51	1.14
CB-52	1.02
CB-53	0.81
CB-54	1.01
CB-55	0.25
CB-56	0.24
DI-1	0.25
DI-2	0.71
DI-4	0.47
EX. CI-1	0.33
EX. CI-2	0.12
EX. CI-3	1.03



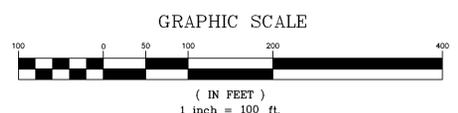
SEE PLAN TITLED "INDEPENDENCE REGIONAL FACILITY" BY HANOVER DESIGN SERVICES, P.A. WITH A SEAL DATE OF 3-24-04 FOR CONTINUATION OF DRAINAGE AREA LINE FOR INDEPENDENCE REGIONAL FACILITY (SW8 951208)

SEE PLAN TITLED "INDEPENDENCE REGIONAL FACILITY" BY HANOVER DESIGN SERVICES, P.A. WITH A SEAL DATE OF 3-24-04 FOR CONTINUATION OF DRAINAGE AREA LINE FOR INDEPENDENCE REGIONAL FACILITY (SW8 951208)

APPROX. LOCATION OF DRAINAGE AREA LINE FOR INDEPENDENCE REGIONAL FACILITY (SW8 951208) TAKEN FROM PLAN TITLED "INDEPENDENCE REGIONAL FACILITY" BY HANOVER DESIGN SERVICES, P.A. WITH A SEAL DATE OF 3-24-04

STORMWATER MANAGEMENT PLAN
APPROVED
 CITY OF WILMINGTON
 ENGINEERING DEPARTMENT
 DATE _____ PERMIT # _____
 SIGNED _____

Approved Construction Plan	
Name	Date
Planning	
Public Utilities	
Traffic	
Fire	



REV NO.	DESCRIPTION	DATE
1	REVISED PER CLIENT	4-14-14
2	REVISED PER CITY OF WILMINGTON	7-7-14
3	REVISED PER CITY OF WILMINGTON TO ADJUST ROUNDABOUTS	8-18-14
4	REVISED PER NCEDEAR	8-20-14
5	REVISED PER CITY OF WILMINGTON	8-21-14

DRAINAGE AREA MAP
THE FORKS AT GALLERY PARK
 CITY OF WILMINGTON NEW HANOVER COUNTY NORTH CAROLINA

FINAL DRAWING FOR REVIEW PURPOSES ONLY

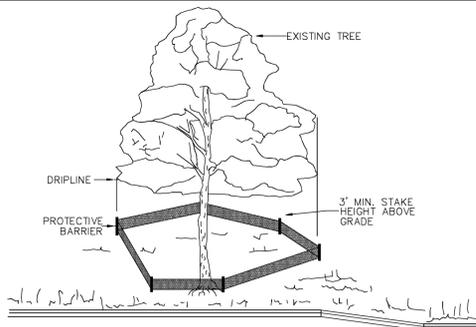
MALPASS ENGINEERING & SURVEYING, P.C.
 1134 SHEPARD BOULEVARD
 WILMINGTON, NORTH CAROLINA 28412
 Phone 910-392-0243
 Fax 910-392-5203 License No. C-2320

Owner: FORKS DEVELOPMENT, LLC
 P.O. BOX 3949
 WILMINGTON, NORTH CAROLINA 28406
 PHONE: 910-251-2324
 FAX: 910-762-2680

DATE: 3-31-14
 SCALE: 1"=100'
 DRAWN: JCB
 CHECKED: JEM
 PROJECT NO: 243

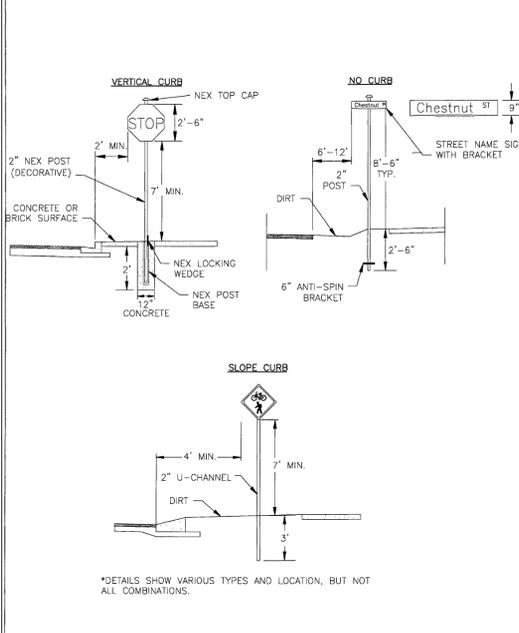
SHEET NO: 19
 OF: 33

PRELIMINARY PLAT
 NOT FOR RECORDATION,
 CONVEYANCES, OR SALES.



NOTE: TREES TO BE SAVED WILL BE CLEARLY MARKED PRIOR TO CONSTRUCTION AND A PROTECTIVE BARRIER IS TO BE INSTALLED AT THE DRIPLINE. DRIPLINE - THE AREA OF SOIL DIRECTLY BENEATH THE TREE EXTENDING OUT TO THE TIPS OF THE OUTERMOST BRANCHES.

METHOD OF TREE PROTECTION DURING CONSTRUCTION
SD 15-08
NOT TO SCALE

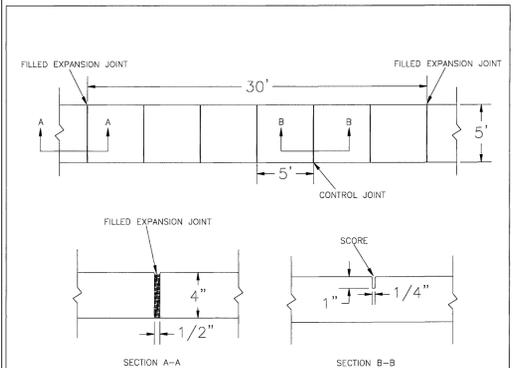


DATE: NOVEMBER, 2011
DRAWN BY: JSR
CHECKED BY: BDR, P.E.
SCALE: NOT TO SCALE

STREET SIGNS AND LOCATION

CITY OF WILMINGTON
NORTH CAROLINA
PO BOX 1810
WILMINGTON, N.C. 28402
(910) 341-7807

SD 15-03



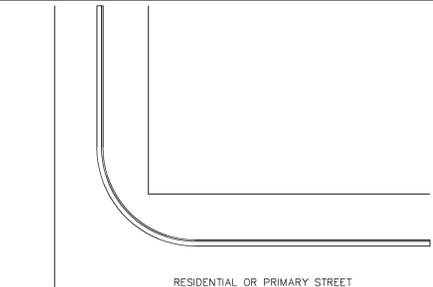
- NOTES:
- Joint material to comply with current NCDOT standards.
 - Sanitary sewer clean-outs, water meters, manholes, and valve lids to be located outside sidewalk where feasible.
 - Minimum sidewalk width to be 6' minimum if placed at back of curb.
 - Concrete for all sidewalks (except any portion contained within a driveway apron) shall be class "A" - 3,000 PSI.
 - Minimum replacement for repairs is a 5' x 5' panel.
 - 4" stone base may be required for poor soil conditions.
 - Minimum depth for tunneling below sidewalk is 12".
 - Max adjacent ground slope without railing is 2:1.
 - Min grade for proper drainage is 1% in at least 1 direction. Max cross slope is 2%. Max longitudinal slope is 8.3%, 10% if limited by existing conditions, or no greater than the slope of the existing adjacent road.

DATE: OCTOBER, 2010
DRAWN: FB/SR
CHECKED: DEC
SCALE: NOT TO SCALE

SIDEWALK

CITY OF WILMINGTON
NORTH CAROLINA
PO BOX 1810
WILMINGTON, N.C. 28402
(910) 341-7807

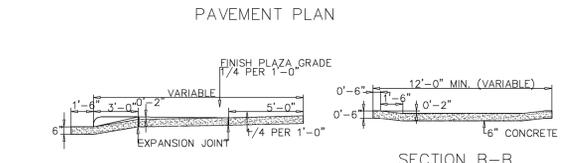
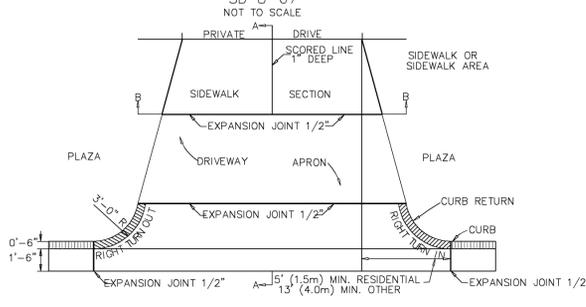
SD 3-10



RESIDENTIAL OR PRIMARY STREET

- "X" = 26' ON RESIDENTIAL STREETS; 26' ON PRIMARY STREETS MIN
- "Y" = VARIABLE (SEE SD8-02, SD8-04 OR SD8-05)
- "Z" MAY NOT EXCEED 50% OF FRONTAGE NOR MAY ANY COMBINATION OF DRIVEWAYS EXCEED 50% OF FRONTAGE
- ALL DRIVEWAYS MUST BE CONCRETE TO THE PL (ONLY CLASS "A" CONCRETE MAY BE USED)

GENERAL DRIVEWAY NOTES
SD 8-07
NOT TO SCALE

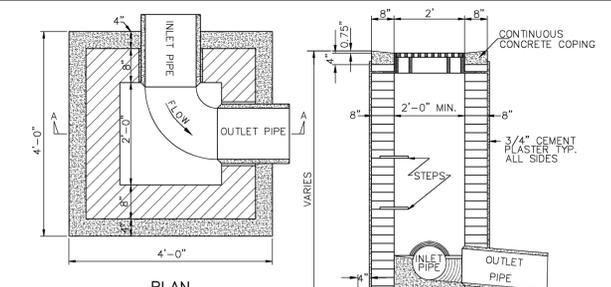


STANDARD DRIVEWAY DETAIL
SD 8-02
NOT TO SCALE

TABLE 4
DRIVEWAY TAPER WIDTHS AND MINIMUM SIDE PROPERTY LINE OFFSETS

Type of Use	Right Turn Into Driveway			Right Turn Out of Driveway		
	Minimum	Maximum	Property Line Offset (ft) (b)	Minimum	Maximum	Property Line Offset (ft) (b)
1 or 2 Family Residential	5	13	0	3	13	2
Other						
Two-way Street						
Two-way Driveway	13	c	6.5	13	c	6.5
One-way Driveway						
Entrance	13	c	6.5	3	13	16.5
Exit	3	13	16.5	13	c	6.5
One-way Street-Right Side						
Two-way Driveway	13	c	6.5	13	c	6.5
One-way Driveway						
Entrance	13	c	6.5	3	3	16.5
Exit	3	3	16.5	13	c	6.5
One-way Street-Left Side						
Two-way Driveway	3	13	16.5	3	13	16.5
One-way Driveway						
Entrance	3	3	16.5	13	c	6.5
Exit	13	c	6.5	3	3	16.5

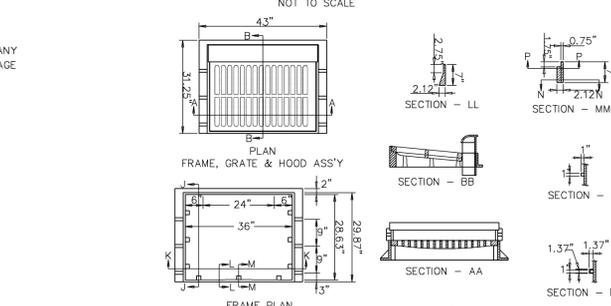
- NOTES:
- See SD-8-02 for location of measurements.
 - Measured at the curb line or edge of roadway, parallel to the edge of pavement.
 - This distance may equal the perpendicular distance between the back of the curb (or edge of pavement) and the edge of sidewalk (or sidewalk area) nearest the roadway, provided that this distance is greater than thirteen (13) feet.
- NOTES:
- The maximum width of the driveway at the gutter flow line measured between the points where the curb returns or driveway apron meets the curb line or edge of roadway is sixty-two (62) feet.
 - If a single driveway is allowed to serve two adjacent residences, the property line offsets may be waived by the City Engineer and the construction, maintenance and closure costs shall be a joint responsibility of each adjacent property owner.
 - If special conditions warrant, the City Engineer may modify widths and geometric requirements on a case by case basis.



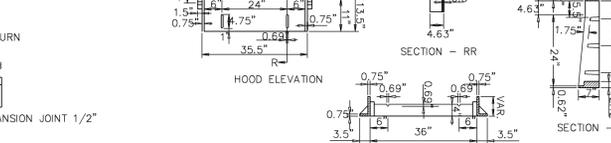
PLAN

SECTION "A-A" CLASS "A" CONC.

GRILL BASIN
SD 2-02
NOT TO SCALE



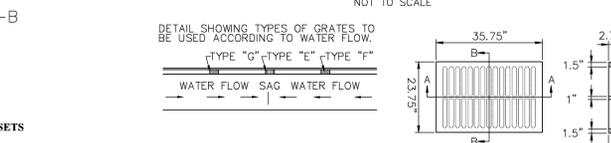
STANDARD MANHOLE RING AND COVER
SD 14-01
NOT TO SCALE



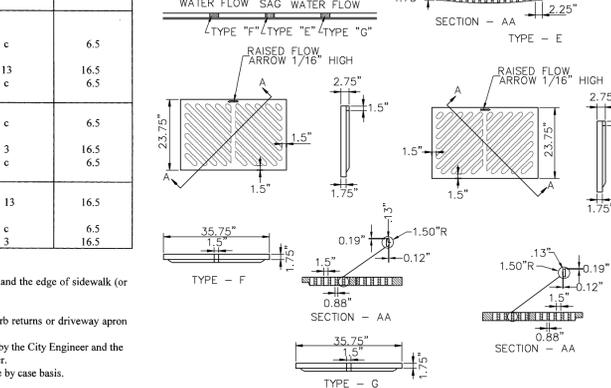
STANDARD SLIP RESISTANT MANHOLE STEP
SD 14-10
NOT TO SCALE

- NOTES:
- USE TYPE "E", "F", & "G" GRATE UNLESS OTHERWISE INDICATED. OTHERWISE INDICATED
 - TOP OF HOOD CASTING SHALL HAVE RAISED LETTERS WHICH SAY: "KEEP STORM DRAIN CLEAN! DRAINS TO CREEK" PROVIDE PICTURE OF FISH BETWEEN TWO STATEMENTS.

CATCH BASIN CASTING FOR PRE-CAST
SD 2-19
NOT TO SCALE



CATCH BASIN GRATE FOR PRE-CAST
SD 2-20
NOT TO SCALE



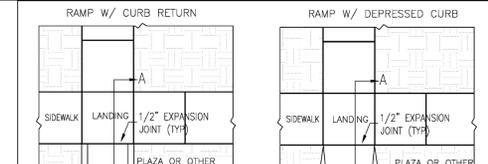
CATCH BASIN GRATE FOR PRE-CAST
SD 2-20
NOT TO SCALE

STORMWATER MANAGEMENT PLAN
APPROVED
CITY OF WILMINGTON
ENGINEERING DEPARTMENT
DATE: _____ PERMIT # _____
SIGNED: _____

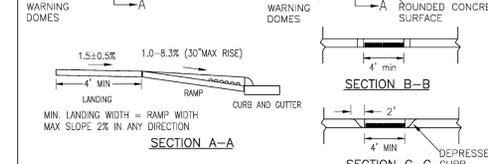
Approved Construction Plan
Name: _____ Date: _____
Planning _____
Public Utilities _____
Traffic _____
Fire _____

REV. NO.	DESCRIPTION	DATE
1	REVISED TO ADD DETAILS.	4-11-14

PRELIMINARY PLAT
NOT FOR RECORDATION,
CONVEYANCES, OR SALES.



PERPENDICULAR CURB RAMP ADJACENT TO PLAZA
SD3-08



STANDARD DETAIL
PERPENDICULAR CURB RAMP ADJACENT TO PLAZA
SD3-08

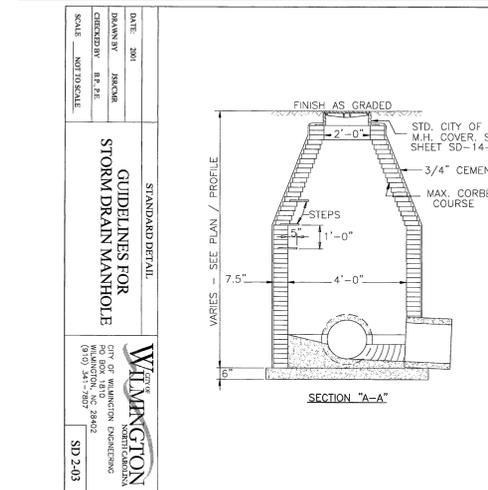
- WARNING DOME NOTES:
- USE CONTRASTING COLORS, RED OR BLACK ON WHITE PAVEMENT.
 - USE CAST IN PLACE PAVERS FOR NEW CONSTRUCTION.
 - RUBBER MATS ARE PERMITTED FOR RETROFITS.
 - LANDING AND RAMP WIDTH MAY BE REDUCED TO 3' WHERE SPACE IS LIMITED AND DESIGN IS APPROVED BY THE CITY ENGINEER.

DATE: DECEMBER, 2010
DRAWN: FB/SR
CHECKED: DEC
SCALE: NOT TO SCALE

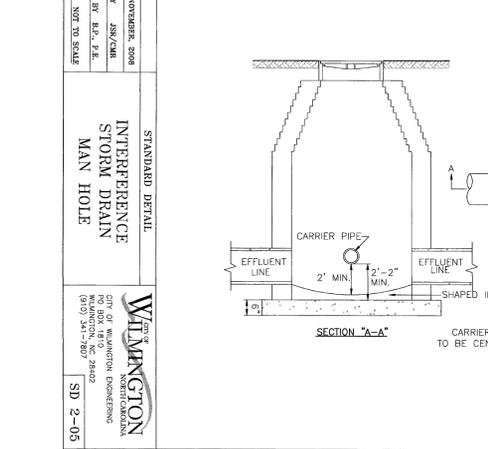
PERPENDICULAR CURB RAMP ADJACENT TO PLAZA

CITY OF WILMINGTON
NORTH CAROLINA
PO BOX 1810
WILMINGTON, N.C. 28402
(910) 341-7807

SD3-08



STANDARD DETAIL
GUIDELINES FOR STORM DRAIN MANHOLE
SD 2-03



STANDARD DETAIL
INTERFERENCE STORM DRAIN MANHOLE
SD 2-05

DATE: 3-31-14
SCALE: N.T.S.
DRAWN: JCB
CHECKED: JSM
PROJECT NO: 243

FINAL DRAWING FOR REVIEW PURPOSES ONLY

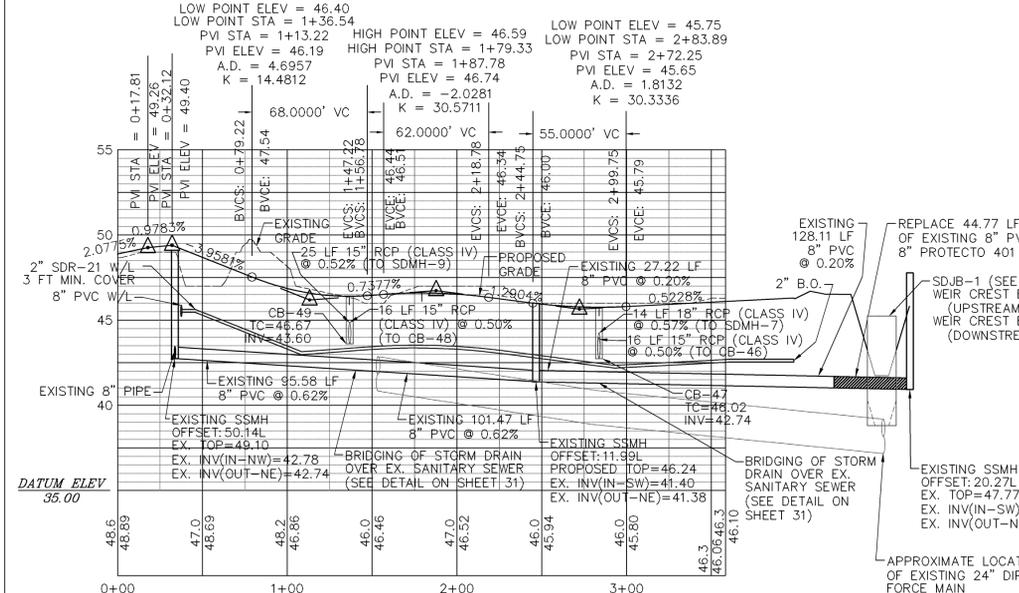
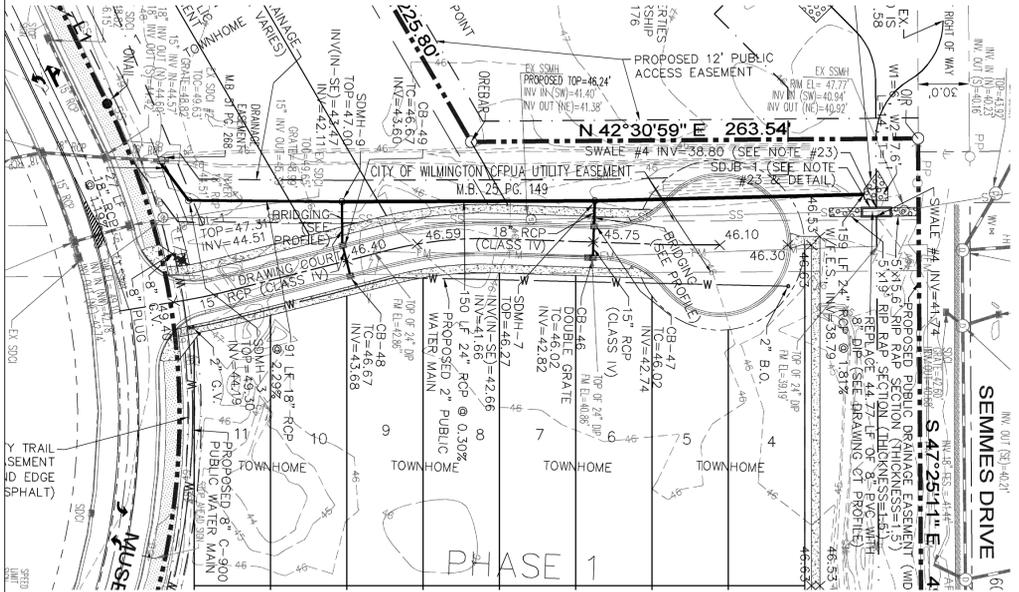
MALPASS ENGINEERING & SURVEYING, P.C.
1134 SHEPARD BOULEVARD
WILMINGTON, NORTH CAROLINA 28412
Phone 910-392-8243
Fax 910-392-8203 License No. C-2320

Owner: FORKS DEVELOPMENT, LLC
P.O. BOX 3949
WILMINGTON, NORTH CAROLINA 28406
PHONE: 910-251-2324
FAX: 910-762-2680

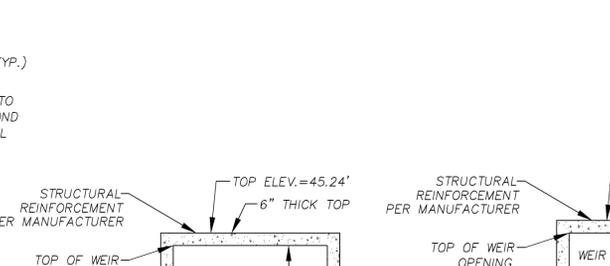
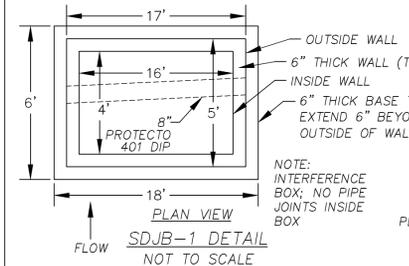
SHEET NO: 20
OF: 33

NOTE #23 FROM SHEET 1

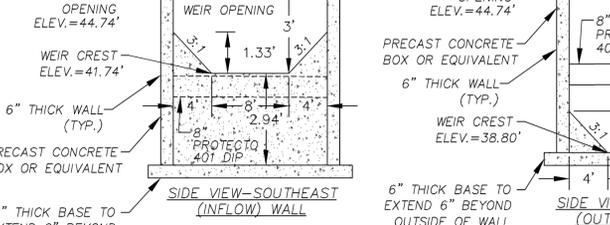
23. SWALE #4 (FROM SDJB-1 TO THE INDEPENDENCE REGIONAL POND) & SDJB-1 SHALL NOT BE INSTALLED AS SHOWN ON THE PLAN UNTIL AFTER THE INDEPENDENCE REGIONAL POND IS ENLARGED. THE FOLLOWING SHALL BE DONE UNTIL THE POND IS ENLARGED: SWALE #4 SHALL BE TEMPORARILY CONSTRUCTED ON A CONTINUOUS SLOPE FROM INV.=41.74' AT THE LOCATION OF SDJB-1 TO INV.=41.58' AT THE EXISTING DITCH. THE EXISTING 8" PVC SANITARY SEWER SHALL BE REPLACED WITH 8" PROTECTO 401 DIP, A TIMBER BRIDGE (WIDTH SUCH THAT A VEHICLE CANNOT CROSS) SHALL BE PLACED ACROSS SWALE #4 (OVER THE REPLACED SANITARY SEWER), AND A SIGN THAT STATES "NO DIGGING UNDER TIMBER BRIDGE" SHALL BE PLACED ADJACENT TO THE TIMBER BRIDGE. ONCE THE POND IS ENLARGED REMOVE THE TIMBER BRIDGE & SIGN, INSTALL SDJB-1, PROVIDE INSULATION AROUND 8" PROTECTO 401 DIP INSIDE SDJB-1, AND CONSTRUCT SWALE #4 (FROM SDJB-1 TO INDEPENDENCE REGIONAL POND) AS SHOWN ON THE PLAN.



DRAWING COURT

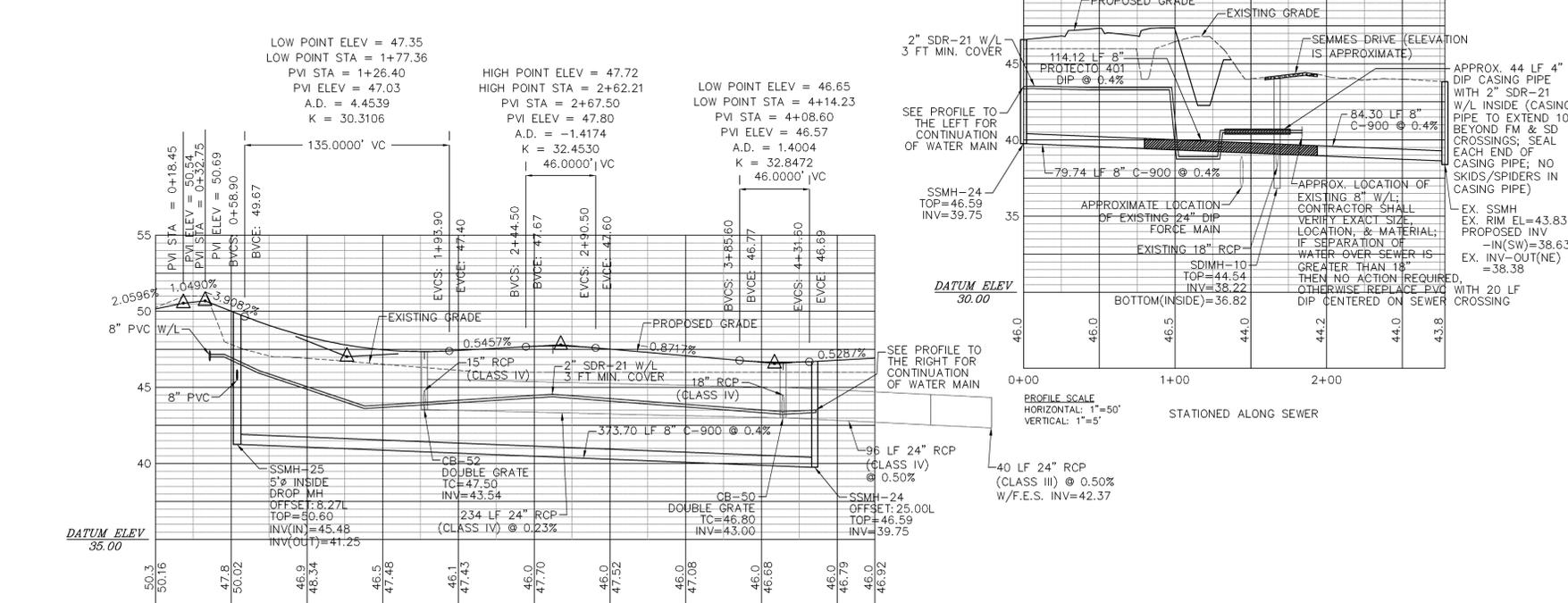
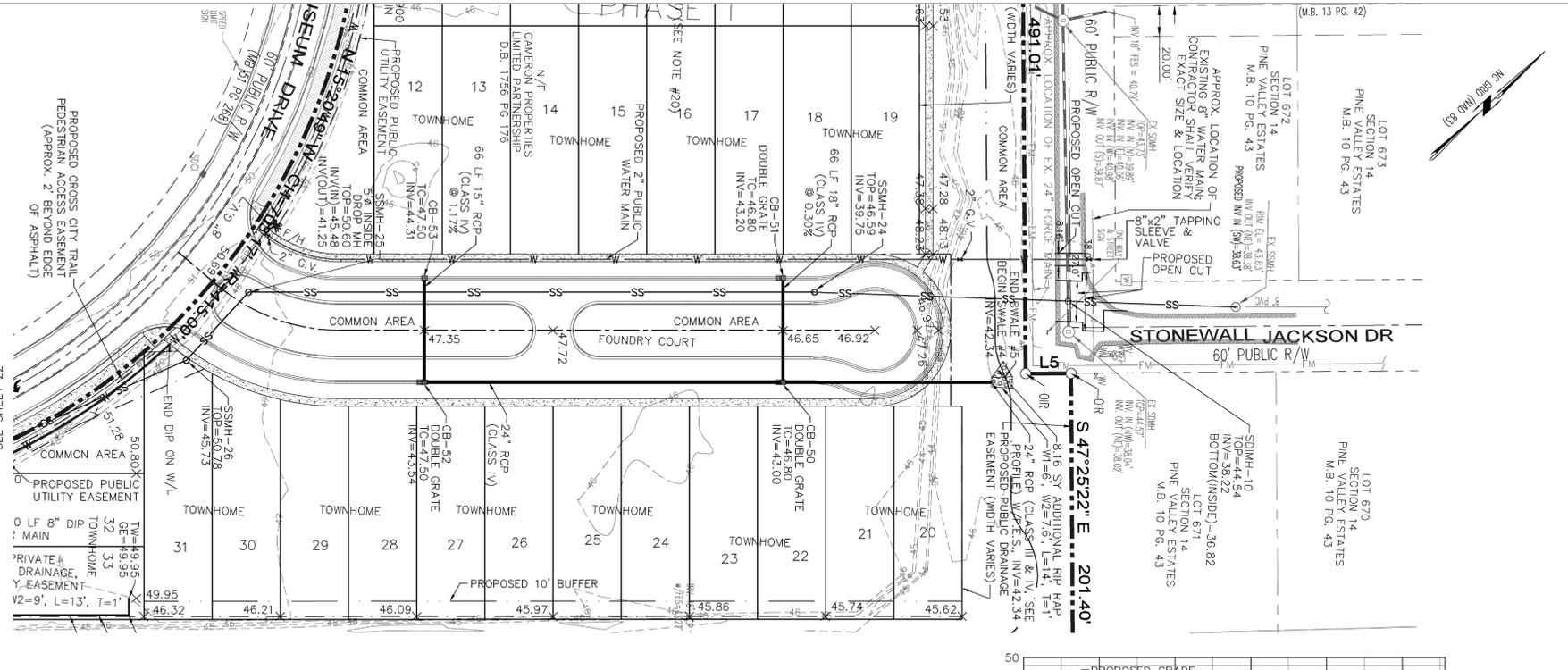


- STANDARD SEWER NOTES
(REQUIRED ON ALL SEWER PLAN AND PROFILE SHEETS)
- SEWER GUARDS REQUIRED AT ALL MANHOLES. STAINLESS STEEL SEWER GUARDS REQUIRED AT MANHOLES LOCATED IN TRAFFIC AREAS.
 - SERVICES SHALL BE PERPENDICULAR TO MAIN AND TERMINATE AT RIGHT-OF-WAY LINE. SERVICES IN CUL-DE-SACS ARE REQUIRED TO BE PERPENDICULAR, OR MUST ORIGINATE IN MANHOLE AND TERMINATE AT RIGHT-OF-WAY LINE.
 - ALL SERVICES TYING INTO DUCTILE IRON MAINS SHALL BE CONSTRUCTED OF CLASS 50, DIP, WITH PROTECTO 401 CERAMIC EPOXY LINING.
 - MINIMUM 10' UTILITIES EASEMENT PROVIDED ALONG THE FRONTAGE OF ALL LOTS AND AS SHOWN FOR NEW DEVELOPMENTS.
 - NO FLEXIBLE COUPLINGS SHALL BE USED.
 - ALL STAINLESS STEEL FASTENERS SHALL BE 316.

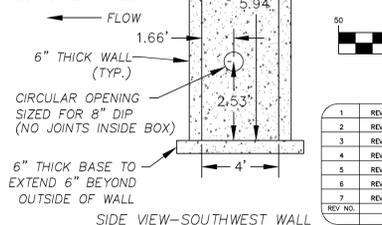
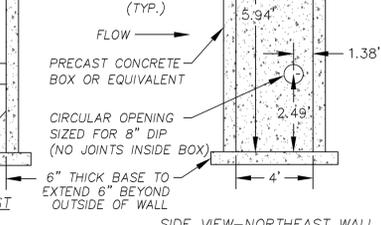
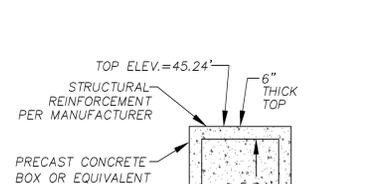
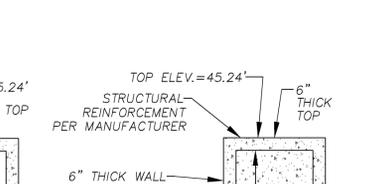


SDJB-1 DETAIL NOT TO SCALE

SDJB-1 DETAIL NOT TO SCALE



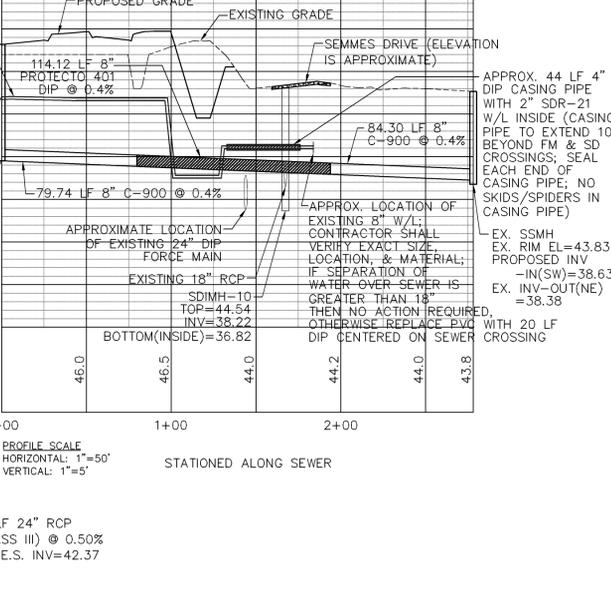
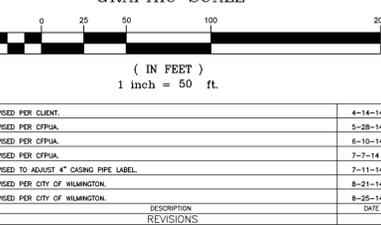
FOUNDRY COURT



SDJB-1 DETAIL NOT TO SCALE

SDJB-1 DETAIL NOT TO SCALE

PRELIMINARY PLAT NOT FOR RECORDATION, CONVEYANCES, OR SALES.



STONEWALL JACKSON DR

NOTE: OPEN CUTS ARE SUBJECT TO CITY OF WILMINGTON STREET CUT POLICY & STANDARD DETAIL 1-05.

STORMWATER MANAGEMENT PLAN APPROVED

CITY OF WILMINGTON ENGINEERING DEPARTMENT

DATE _____ PERMIT # _____

SIGNED _____

Approved Construction Plan

Name _____ Date _____

Planning _____

Public Utilities _____

Traffic _____

Fire _____

PLAN PROFILE

THE FORKS AT GALLERY PARK

CITY OF WILMINGTON NEW HANOVER COUNTY NORTH CAROLINA

DATE: 3-31-14

SCALE: 1"=50'

DRAWN: JCB

CHECKED: JEM

PROJECT NO: 243

OWNER: FORKS DEVELOPMENT, LLC

1134 SHIPYARD BOULEVARD WILMINGTON, NORTH CAROLINA 28412

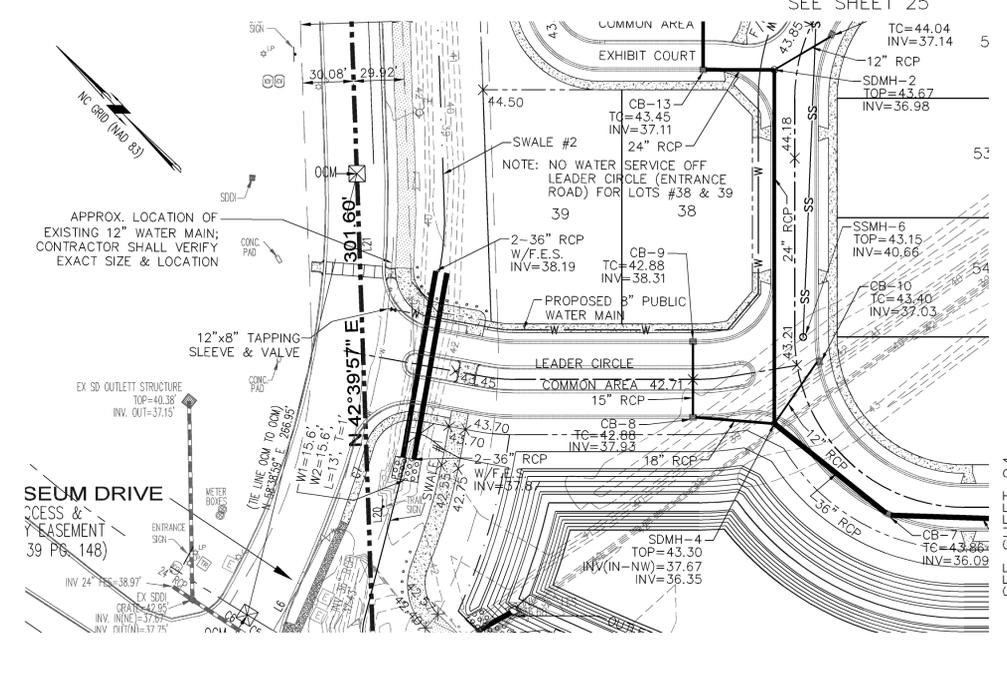
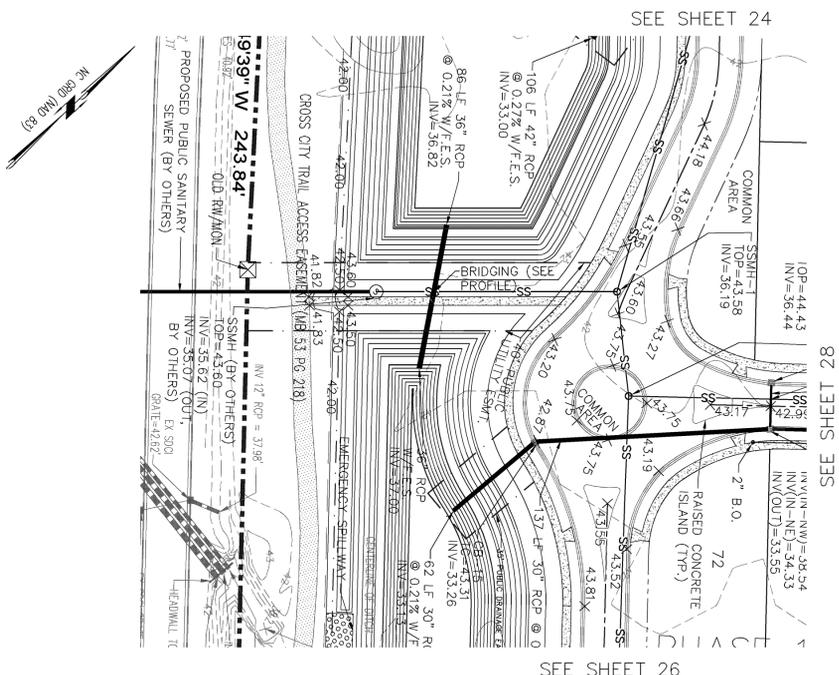
PHONE: 910-251-3234 FAX: 910-762-2680

License No. C-2320

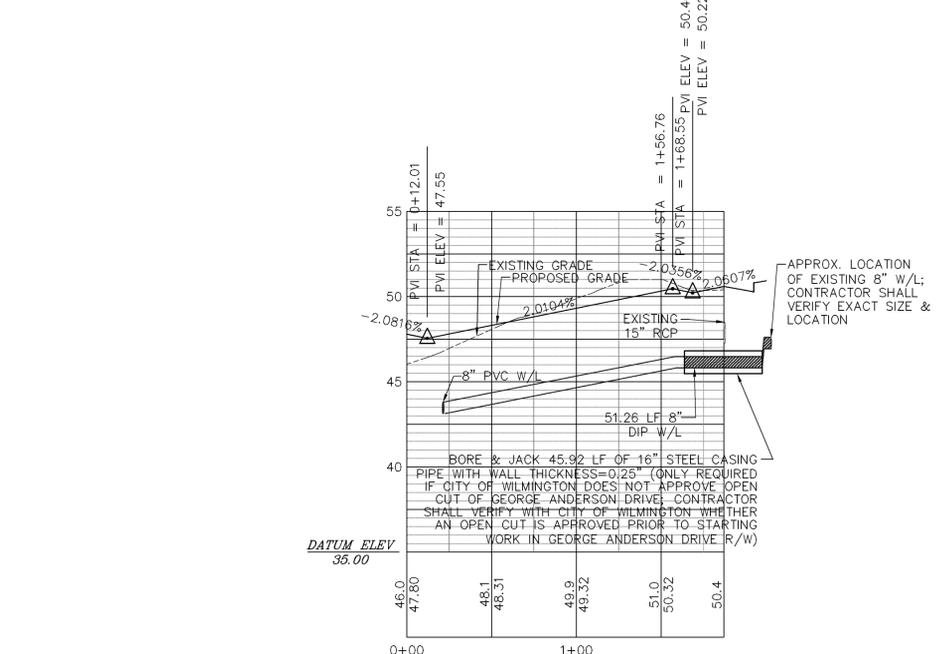
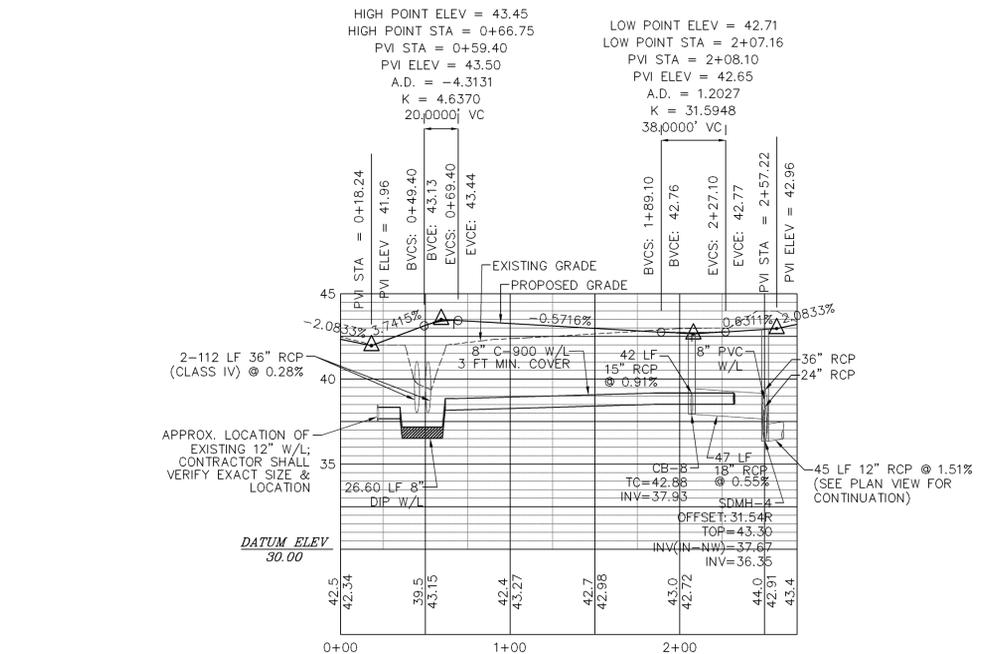
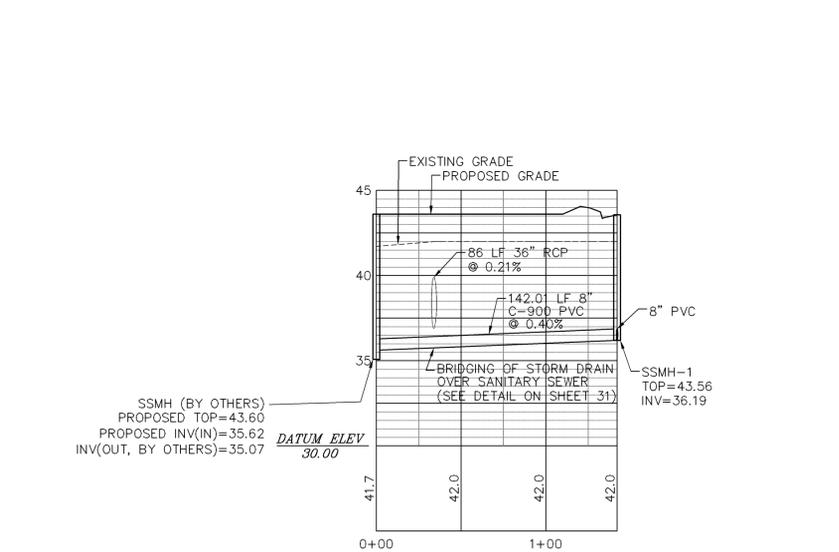
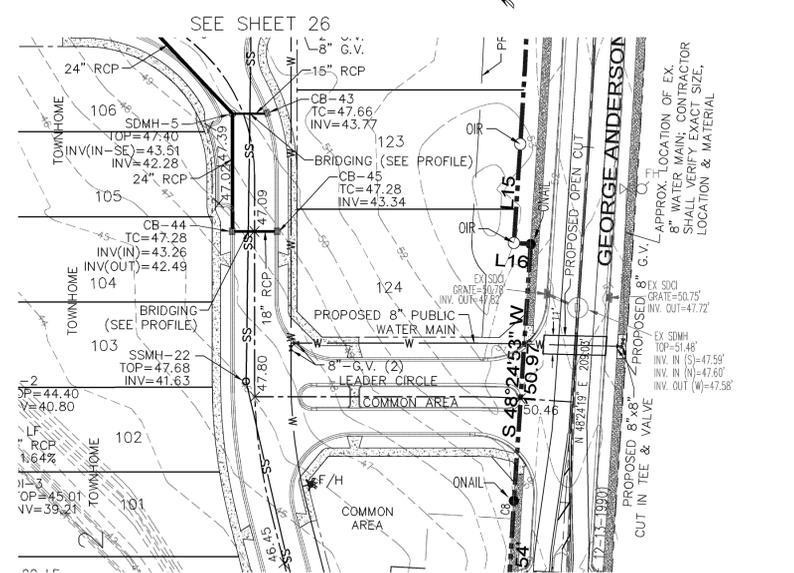
FINAL DRAWING FOR REVIEW PURPOSES ONLY

SHEET NO: 21 OF: 33

REV NO.	DESCRIPTION	DATE
1	REVISED PER CLIENT	4-14-14
2	REVISED PER CITY	5-28-14
3	REVISED PER CITY	6-10-14
4	REVISED PER CITY	7-2-14
5	REVISED TO ADJUST 4" CASING PIPE LABEL	7-11-14
6	REVISED PER CITY OF WILMINGTON	8-21-14
7	REVISED PER CITY OF WILMINGTON	8-25-14

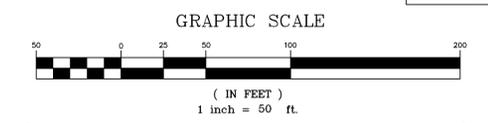


NOTE: OPEN CUTS ARE SUBJECT TO CITY OF WILMINGTON STREET CUT POLICY & STANDARD DETAIL 1-05.



- CAPE FEAR PUBLIC UTILITY AUTHORITY STANDARD SEWER NOTES:**
- SEWER GUARDS REQUIRED AT ALL MANHOLES. STAINLESS STEEL SEWER GUARDS REQUIRED AT MANHOLES LOCATED IN TRAFFIC AREAS.
 - SERVICES SHALL BE PERPENDICULAR TO MAIN AND TERMINATE AT RIGHT-OF-WAY LINE. SERVICES IN CUL-DE-SACS ARE REQUIRED TO BE PERPENDICULAR, OR MUST ORIGINATE IN MANHOLE AND TERMINATE AT RIGHT-OF-WAY LINE.
 - ALL SERVICES TYING INTO DUCTILE IRON MAINS SHALL BE CONSTRUCTED OF CLASS 50, DIP, WITH PROTECTO 401 CERAMIC EPOXY LINING.
 - MINIMUM 10' UTILITIES EASEMENT PROVIDED ALONG THE FRONTAGE OF ALL LOTS AND AS SHOWN FOR NEW DEVELOPMENTS.
 - NO FLEXIBLE COUPLINGS SHALL BE USED.
 - ALL STAINLESS STEEL FASTENERS SHALL BE 316.

STANDARD SEWER NOTES
(REQUIRED ON ALL SEWER PLAN AND PROFILE SHEETS)



REV. NO.	DESCRIPTION	DATE
1	REVISED PER CLIENT.	4-14-14
2	REVISED PER CLIENT TO ADJUST SEWER INVERTS.	4-29-14
3	REVISED PER OTHER.	7-2-14
4	REVISED TO SHOW OPEN CUT WITHIN GEORGE ANDERSON DR. R/W.	7-10-14
5	REVISED PER CITY OF WILMINGTON TO ADJUST ROUNDABOUTS.	8-18-14
6	REVISED PER CITY OF WILMINGTON.	8-21-14
7	REVISED PER CITY OF WILMINGTON.	8-25-14

PLAN PROFILE
THE FORKS AT GALLERY PARK
CITY OF WILMINGTON NEW HANOVER COUNTY NORTH CAROLINA

FINAL DRAWING FOR REVIEW PURPOSES ONLY

MALPASS ENGINEERING & SURVEYING, P.C.
1134 SHEPPARD BOULEVARD
WILMINGTON, NORTH CAROLINA 28412
Phone 910-392-0243
Fax 910-392-5203 License No. C-2320

Owner: FORKS DEVELOPMENT, LLC
P.O. BOX 3648
WILMINGTON, NORTH CAROLINA 28406
PHONE: 910-251-2324
FAX: 910-762-2680

DATE: 3-31-14
SCALE: 1"=50'
DRAWN: JCB
CHECKED: JEM
PROJECT NO: 243
SHEET NO: 23
OF: 33

STORMWATER MANAGEMENT PLAN APPROVED
CITY OF WILMINGTON
ENGINEERING DEPARTMENT
DATE _____ PERMIT # _____
SIGNED _____

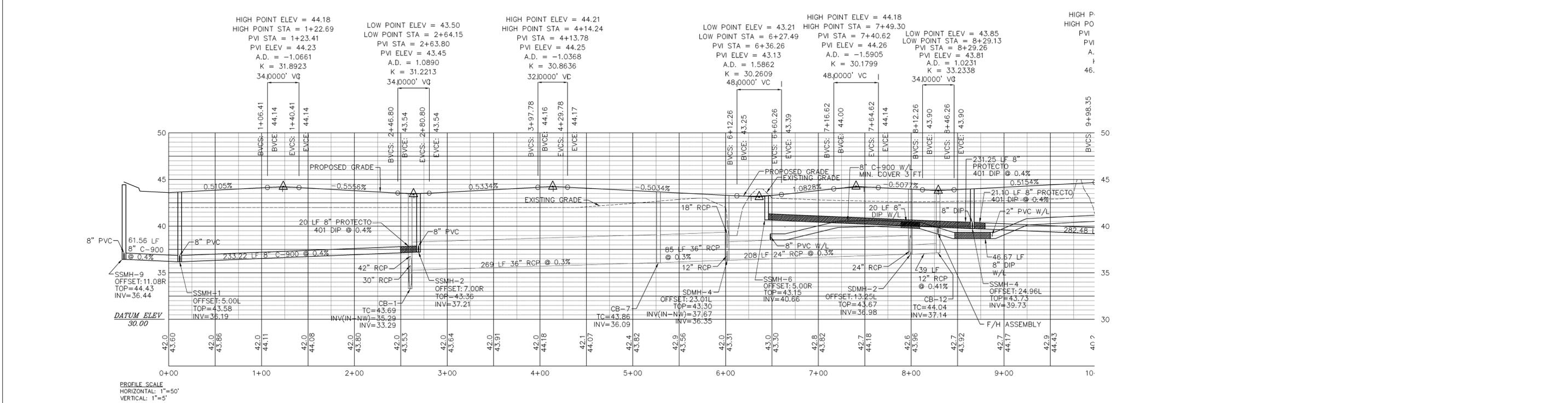
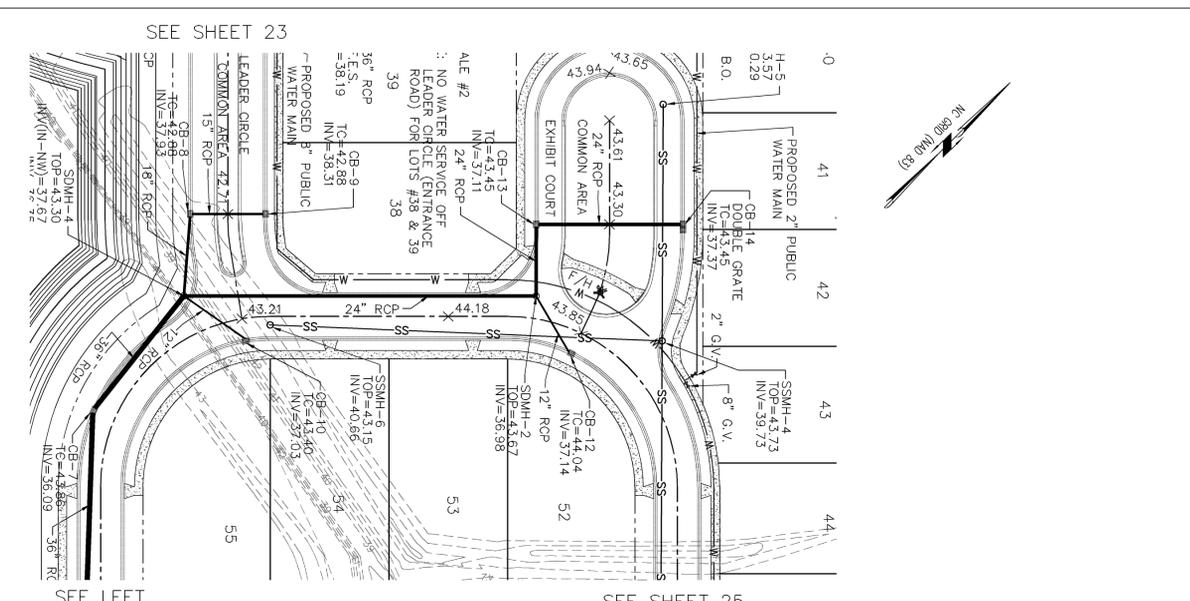
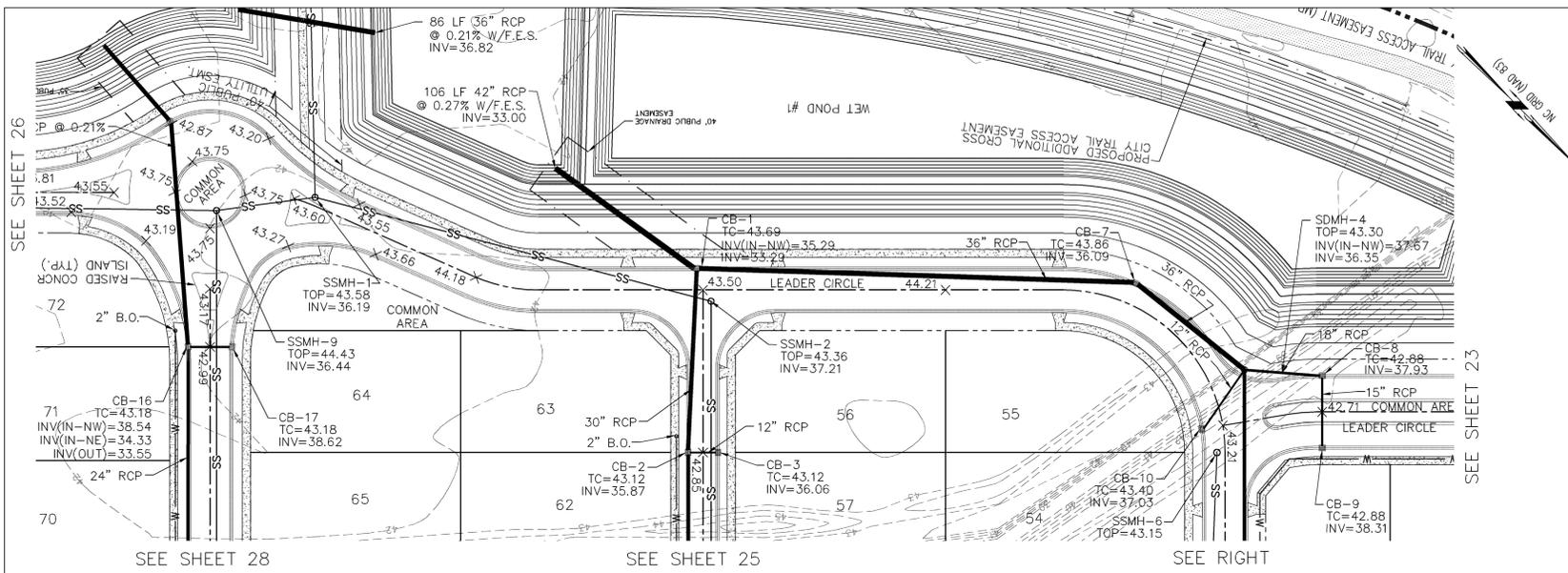
Approved Construction Plan

Name	Date
Planning	_____
Public Utilities	_____
Traffic	_____
Fire	_____

LEADER CIRCLE (WESTERN ENTRANCE)

LEADER CIRCLE (EASTERN ENTRANCE)

PRELIMINARY PLAT
NOT FOR RECORDATION,
CONVEYANCES, OR SALES.



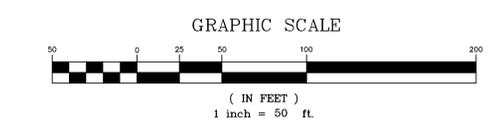
LEADER CIRCLE

- CAPE FEAR PUBLIC UTILITY AUTHORITY STANDARD SEWER NOTES:**
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 - ALL STAINLESS STEEL FASTENERS SHALL BE 316.

STANDARD SEWER NOTES
(REQUIRED ON ALL SEWER PLAN AND PROFILE SHEETS)

STORMWATER MANAGEMENT PLAN
APPROVED
CITY OF WILMINGTON
ENGINEERING DEPARTMENT
DATE _____ PERMIT # _____
SIGNED _____

Approved Construction Plan
Name _____ Date _____
Planning _____
Public Utilities _____
Traffic _____
Fire _____



REV NO.	DESCRIPTION	DATE
1	REVISED PER CLIENT	4-13-14
2	REVISED PER CLIENT TO ADJUST SEWER INVERTS	4-28-14
3	REVISED PER CPWA	7-7-14
4	REVISED PER CITY OF WILMINGTON TO ADJUST ROUNDABOUTS	8-18-14
5	REVISED PER CITY OF WILMINGTON	8-21-14

PLAN PROFILE
THE FORKS AT GALLERY PARK
CITY OF WILMINGTON NEW HANOVER COUNTY NORTH CAROLINA

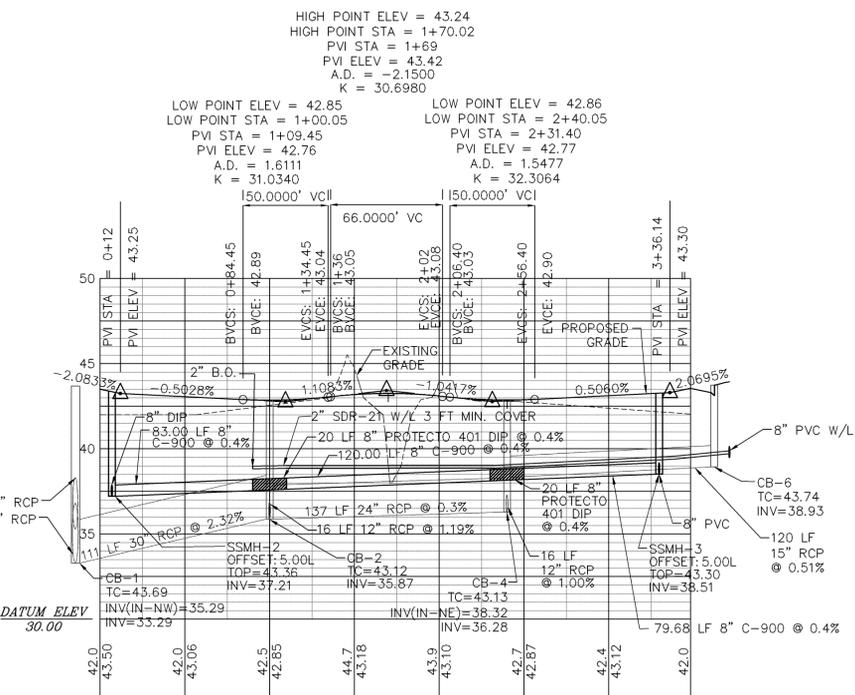
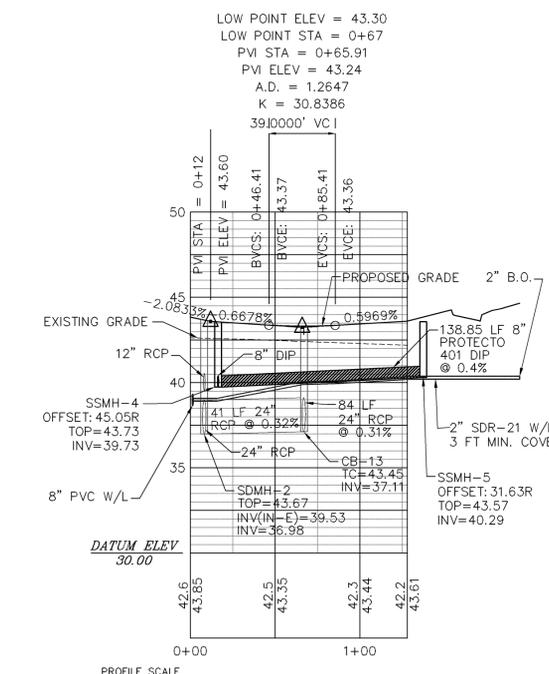
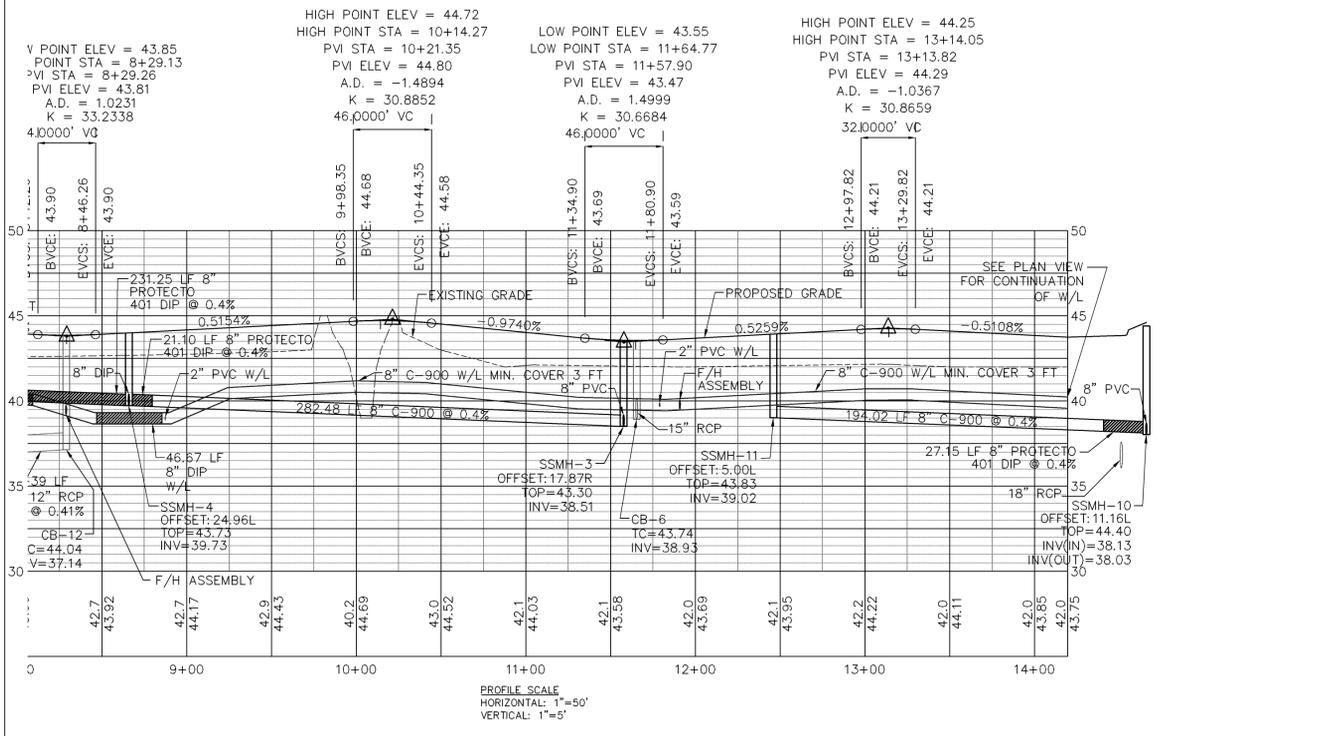
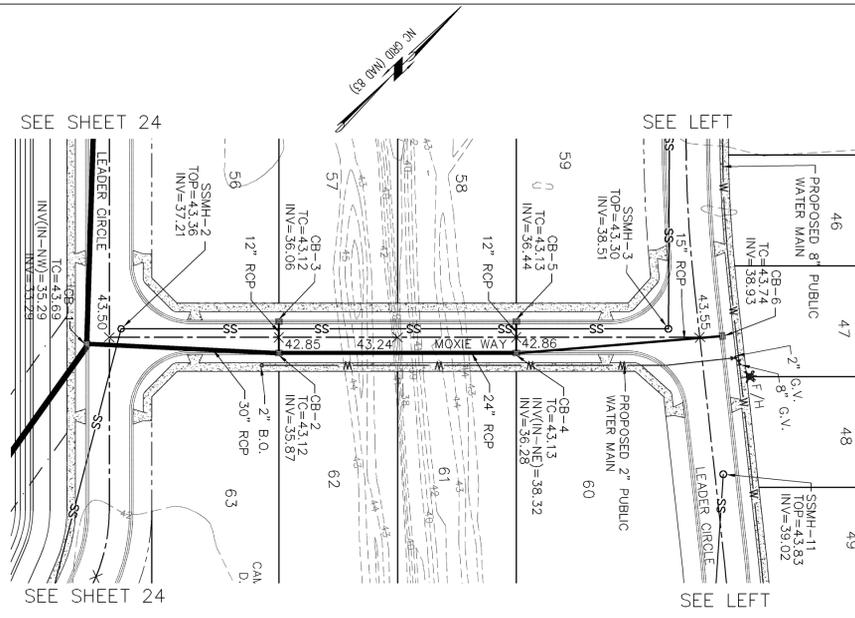
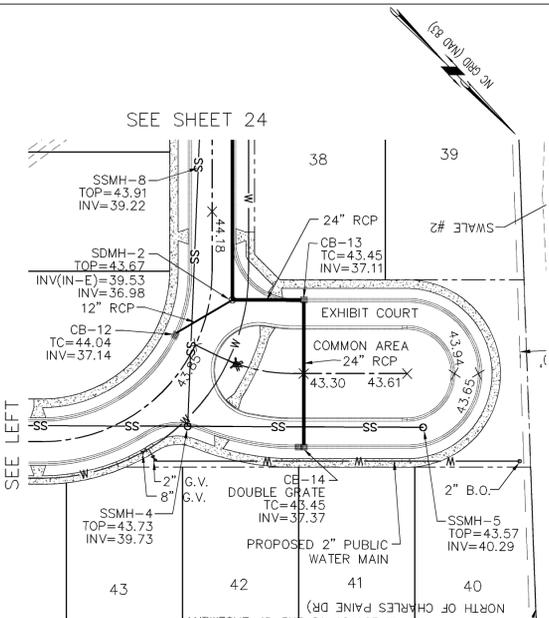
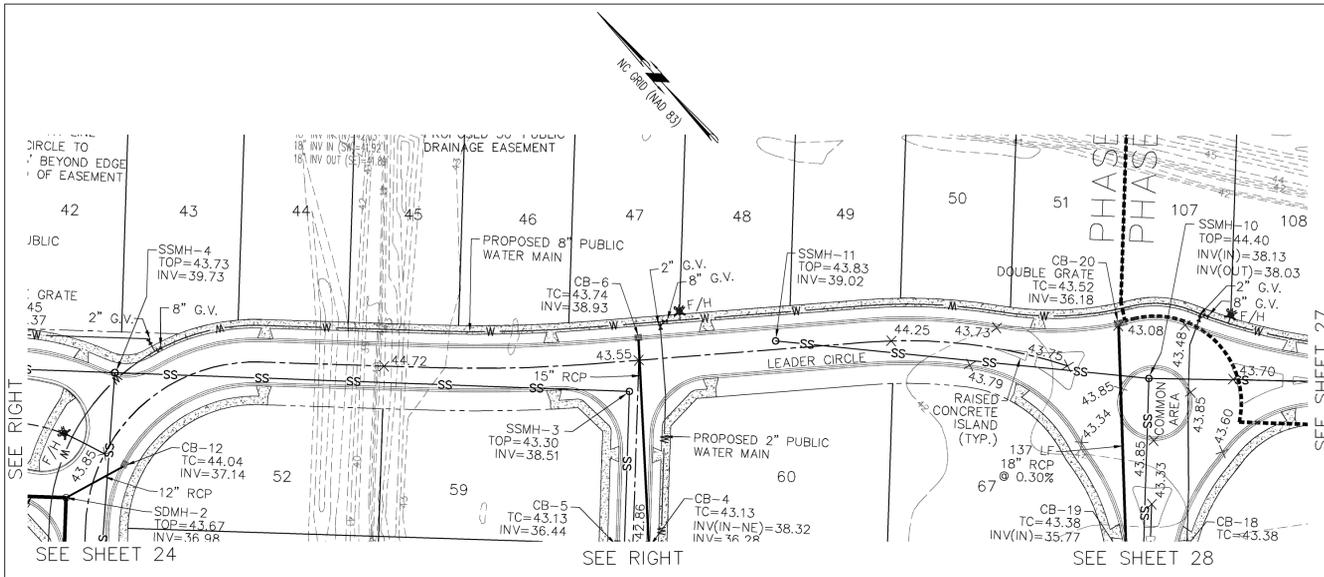
DATE: 3-31-14
SCALE: 1"=50'
DRAWN: JCB
CHECKED: JEM
PROJECT NO: 243

FINAL DRAWING FOR REVIEW PURPOSES ONLY

Owner: FORKS DEVELOPMENT, LLC
P.O. BOX 3649
WILMINGTON, NORTH CAROLINA 28406
PHONE: 910-251-2324
FAX: 910-762-2680

SHEET NO: 24
OF: 33

PRELIMINARY PLAT
NOT FOR RECORDATION,
CONVEYANCES, OR SALES.



LEADER CIRCLE

EXHIBIT COURT

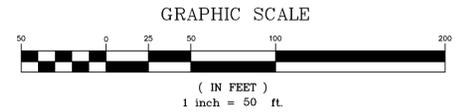
MOXIE WAY

- CAPE FEAR PUBLIC UTILITY AUTHORITY STANDARD SEWER NOTES:**
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STANDARD SEWER NOTES
(REQUIRED ON ALL SEWER PLAN AND PROFILE SHEETS)

STORMWATER MANAGEMENT PLAN
APPROVED
CITY OF WILMINGTON
ENGINEERING DEPARTMENT
DATE _____ PERMIT # _____
SIGNED _____

Approved Construction Plan
Name _____ Date _____
Planning _____
Public Utilities _____
Traffic _____
Fire _____



REV NO.	DESCRIPTION	DATE
1	REVISED PER CLIENT	4-15-14
2	REVISED PER CLIENT TO ADJUST SEWER INVERTS	4-28-14
3	REVISED PER CITY	7-7-14
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5	REVISED PER CITY OF WILMINGTON	8-21-14

PLAN PROFILE
THE FORKS AT GALLERY PARK
CITY OF WILMINGTON NEW HANOVER COUNTY NORTH CAROLINA

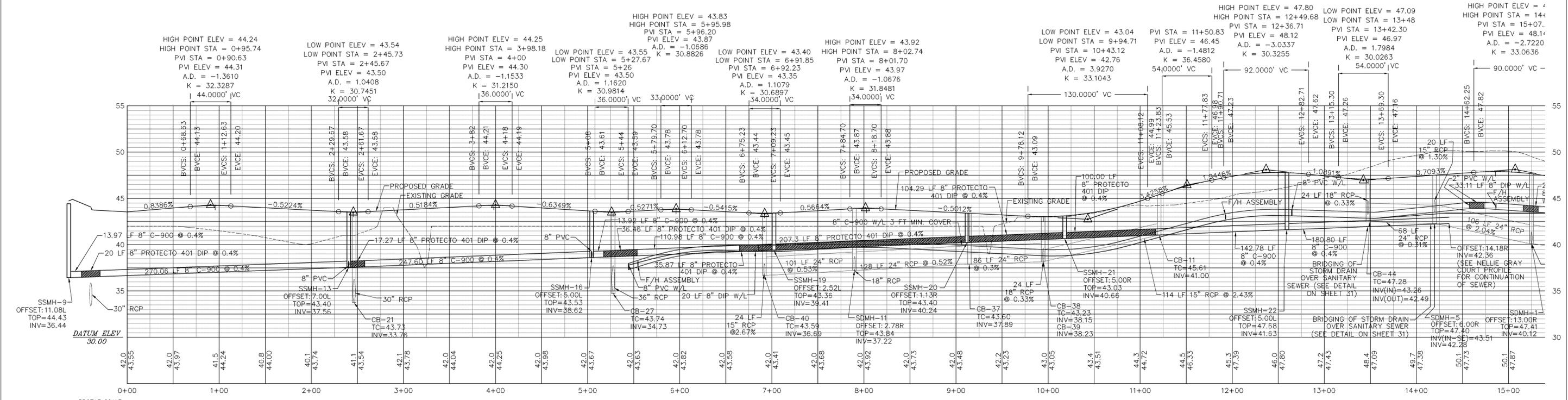
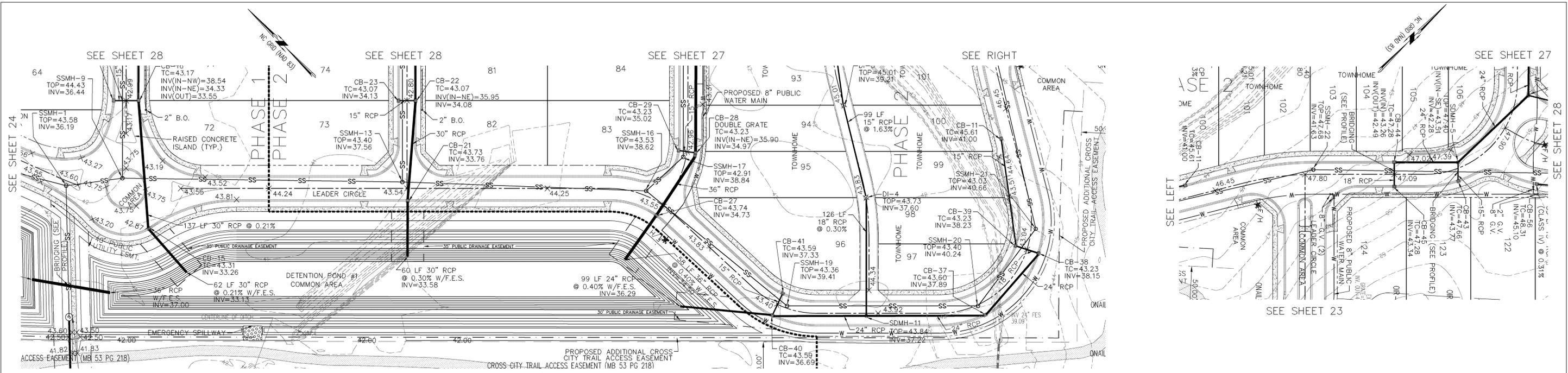
FINAL DRAWING FOR REVIEW PURPOSES ONLY

MALPASS ENGINEERING & SURVEYING, P.C.
1134 SHIPYARD BOULEVARD
WILMINGTON, NORTH CAROLINA 28412
Phone 910-392-0343
Fax 910-392-5203 License No. C-2320

Owner: FORKS DEVELOPMENT, LLC
P.O. BOX 3649
WILMINGTON, NORTH CAROLINA 28406
PHONE: 910-251-2324
FAX: 910-762-2680

DATE: 3-31-14
SCALE: 1"=50'
DRAWN: JCB
CHECKED: JEM
PROJECT NO: 243
SHEET NO: 25
OF: 33

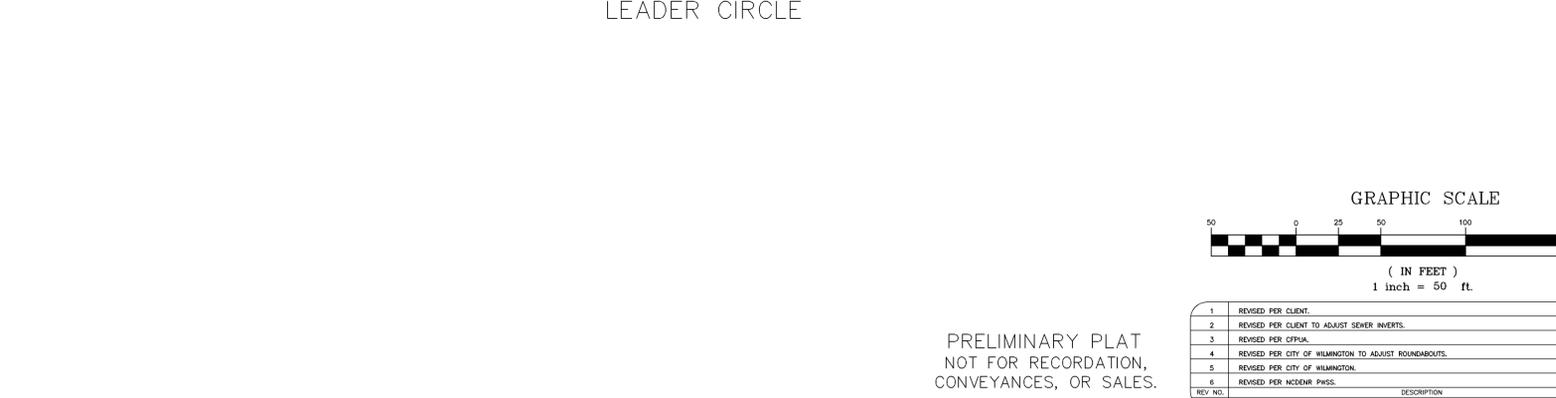
PRELIMINARY PLAT
NOT FOR RECORDATION,
CONVEYANCES, OR SALES.



PROFILE SCALE
 HORIZONTAL: 1"=50'
 VERTICAL: 1"=5'

- CAPE FEAR PUBLIC UTILITY AUTHORITY STANDARD SEWER NOTES:**
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STANDARD SEWER NOTES
 (REQUIRED ON ALL SEWER PLAN AND PROFILE SHEETS)



LEADER CIRCLE

STORMWATER MANAGEMENT PLAN
APPROVED
 CITY OF WILMINGTON
 ENGINEERING DEPARTMENT
 DATE _____ PERMIT # _____
 SIGNED _____

Approved Construction Plan
 Name _____ Date _____
 Planning _____
 Public Utilities _____
 Traffic _____
 Fire _____

GRAPHIC SCALE
 0 25 50 100 200
 (IN FEET)
 1 inch = 50 ft.

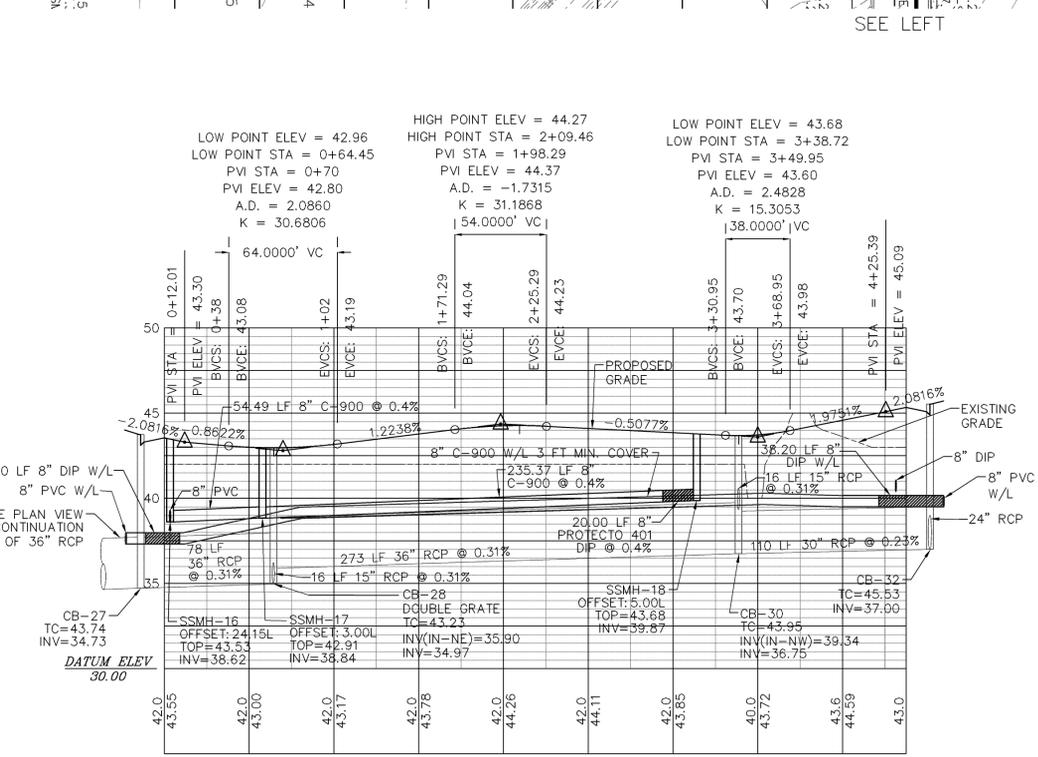
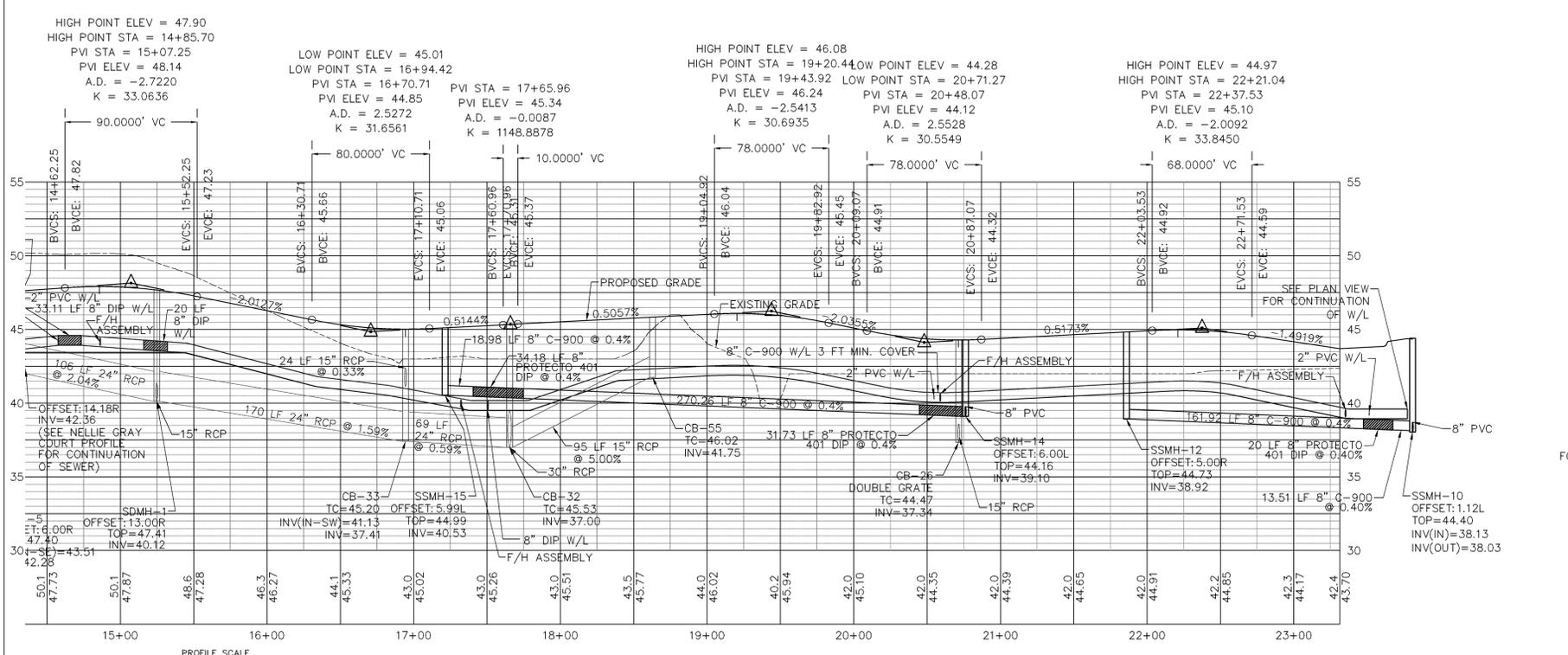
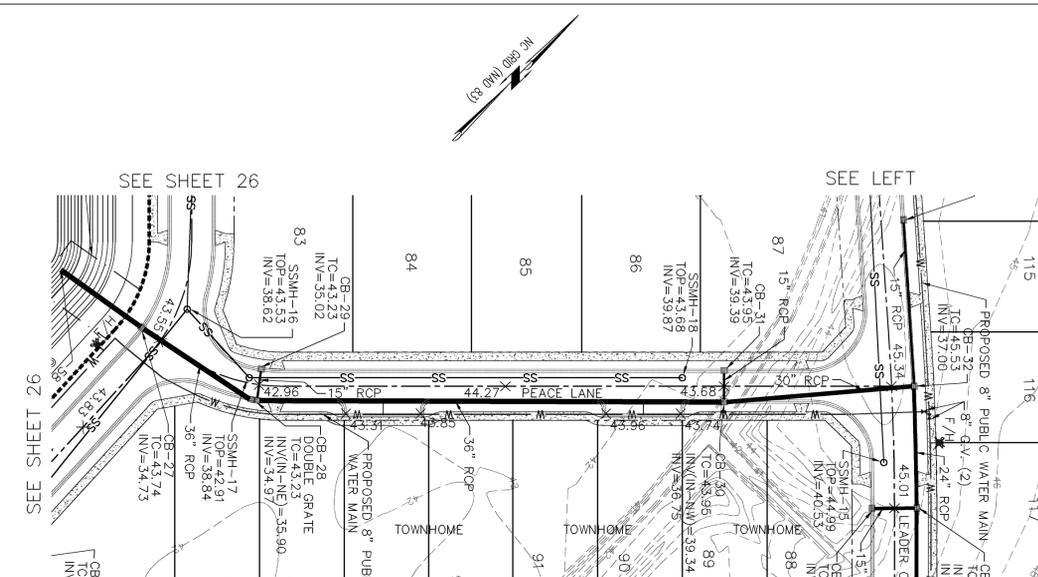
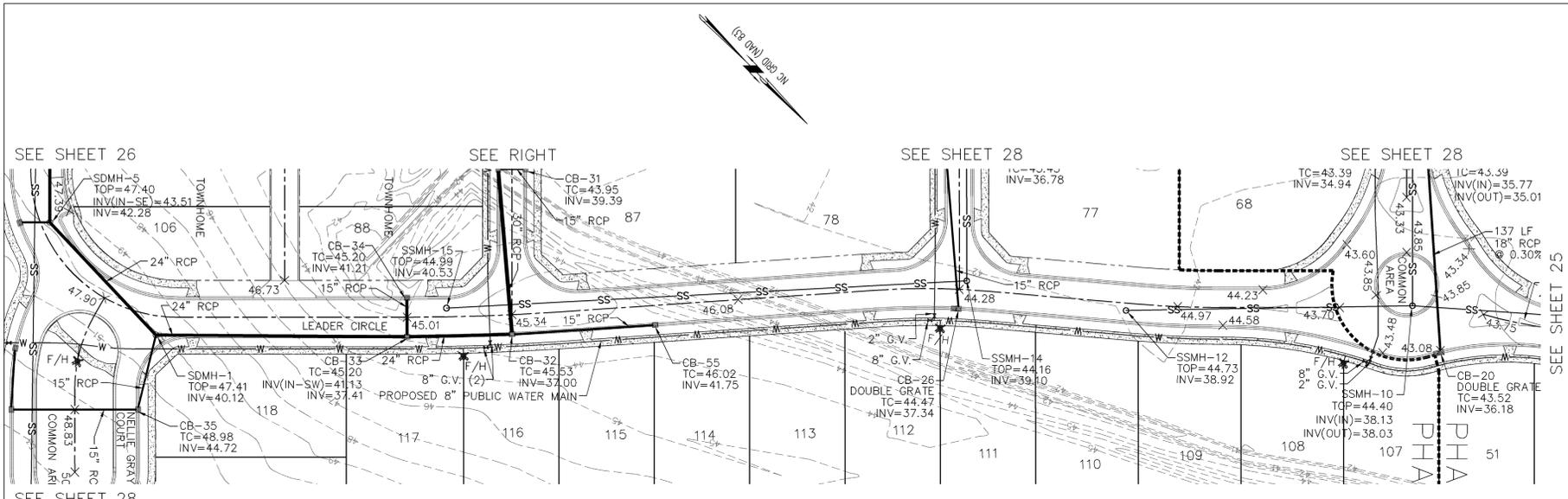
PLAN PROFILE
THE FORKS AT GALLERY PARK
 CITY OF WILMINGTON NEW HANOVER COUNTY NORTH CAROLINA

FINAL DRAWING FOR REVIEW PURPOSES ONLY

MALPASS ENGINEERING & SURVEYING, P.C.
 1134 SHEPARD BOULEVARD
 WILMINGTON, NORTH CAROLINA 28412
 Phone 910-392-0243
 Fax 910-392-5203 License No. C-2320

Owner: FORKS DEVELOPMENT, LLC
 P.O. BOX 3649
 WILMINGTON, NORTH CAROLINA 28406
 PHONE: 910-251-2324
 FAX: 910-762-2680

DATE: 3-31-14
 SCALE: 1"=50'
 DRAWN: JCB
 CHECKED: JEM
 PROJECT NO: 243
 SHEET NO: 26
 OF: 33



LEADER CIRCLE

PEACE LANE

CAPE FEAR PUBLIC UTILITY AUTHORITY STANDARD SEWER NOTES:

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STANDARD SEWER NOTES
(REQUIRED ON ALL SEWER PLAN AND PROFILE SHEETS)

STORMWATER MANAGEMENT PLAN
APPROVED

CITY OF WILMINGTON
ENGINEERING DEPARTMENT

DATE _____ PERMIT # _____
SIGNED _____

Approved Construction Plan

Name _____ Date _____

Planning _____

Public Utilities _____

Traffic _____

Fire _____

GRAPHIC SCALE

(IN FEET)
1 inch = 50 ft.

PLAN PROFILE
THE FORKS AT GALLERY PARK
CITY OF WILMINGTON NEW HANOVER COUNTY NORTH CAROLINA

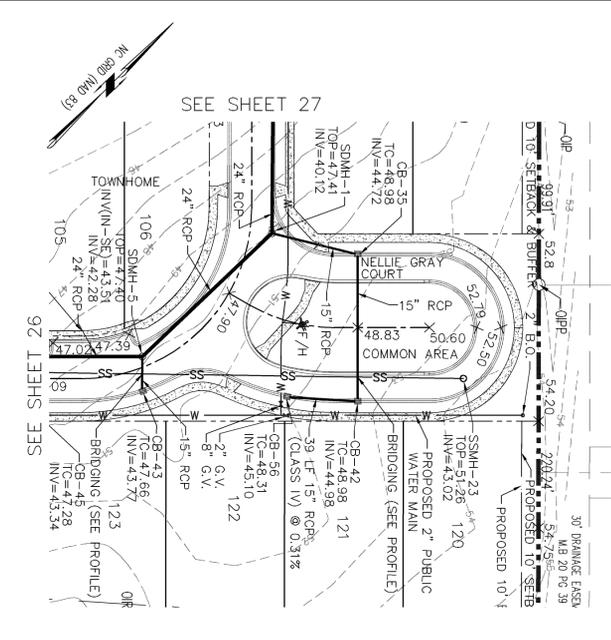
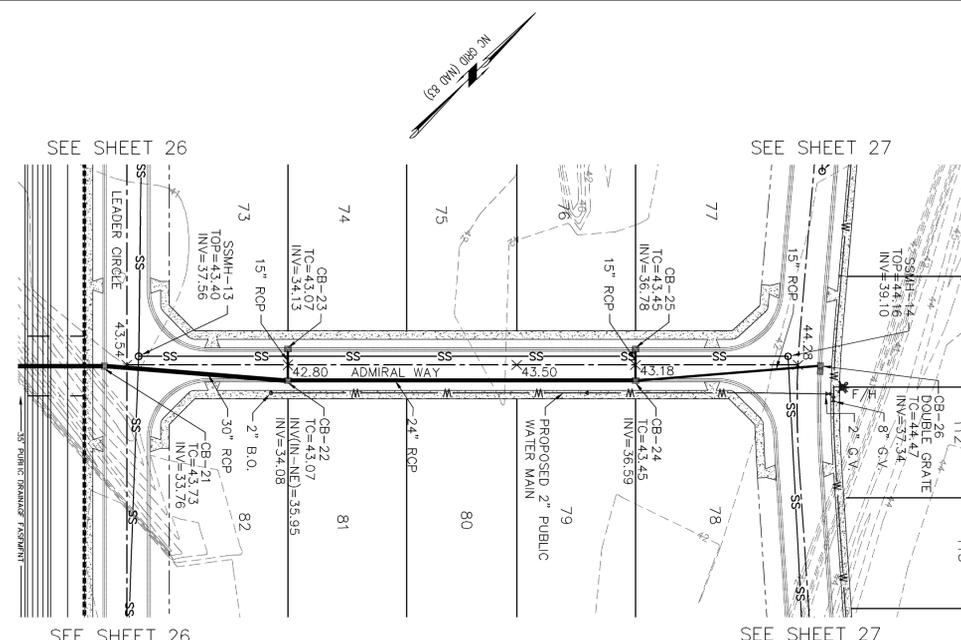
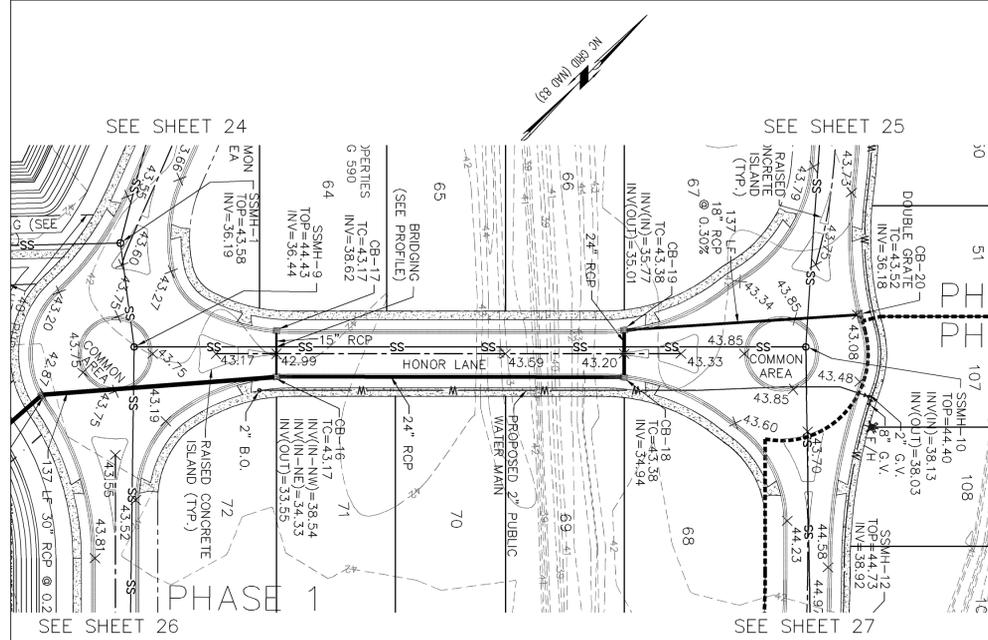
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1134 SHIPYARD BOULEVARD
WILMINGTON, NORTH CAROLINA 28412
Phone 910-392-0343
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Owner: FORKS DEVELOPMENT, LLC
P.O. BOX 3649
WILMINGTON, NORTH CAROLINA 28406
PHONE: 910-251-2324
FAX: 910-762-2680

DATE: 3-31-14
SCALE: 1"=50'
DRAWN: JCB
CHECKED: JSM
PROJECT NO: 243
SHEET NO: 27
OF: 33

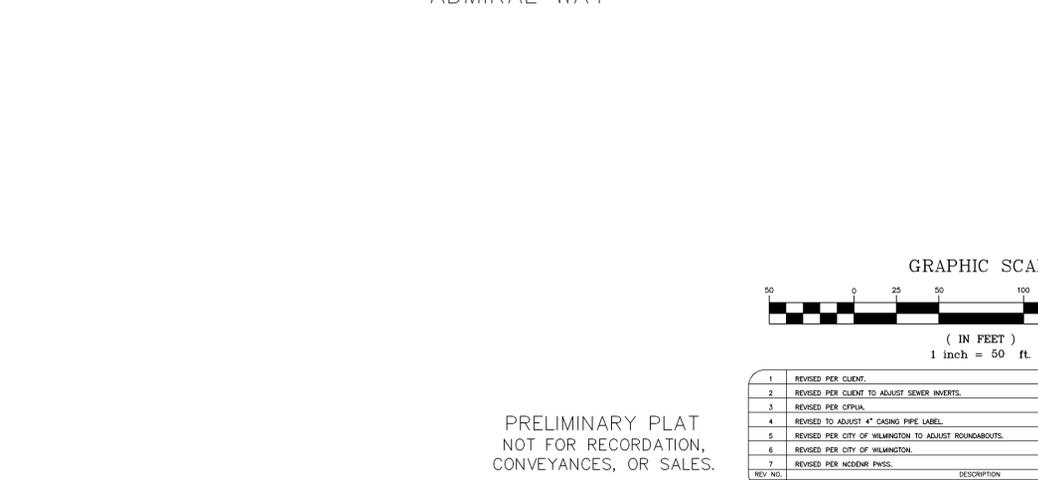
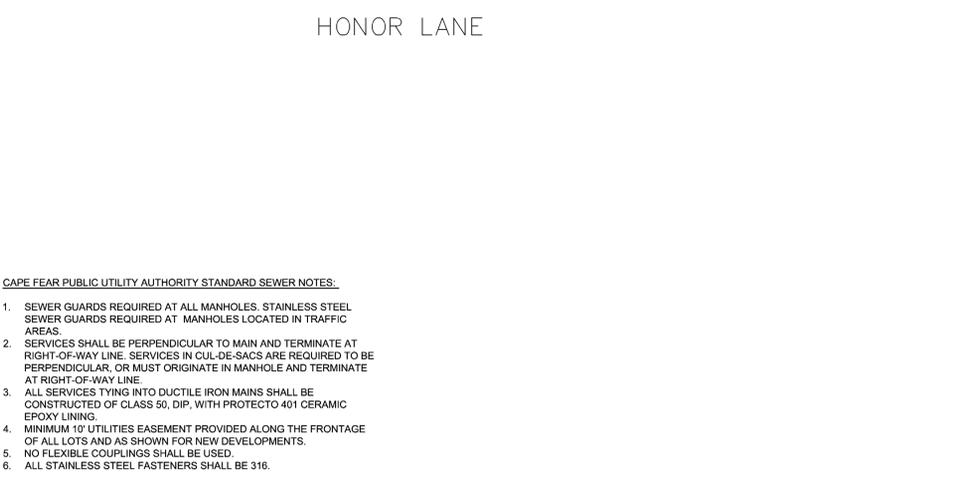
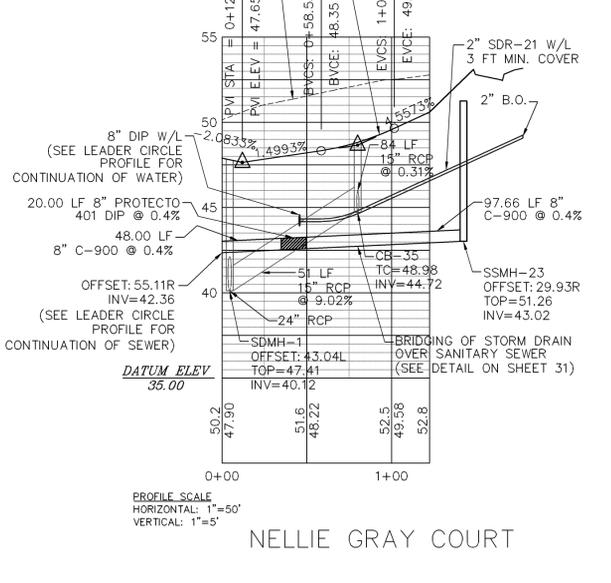
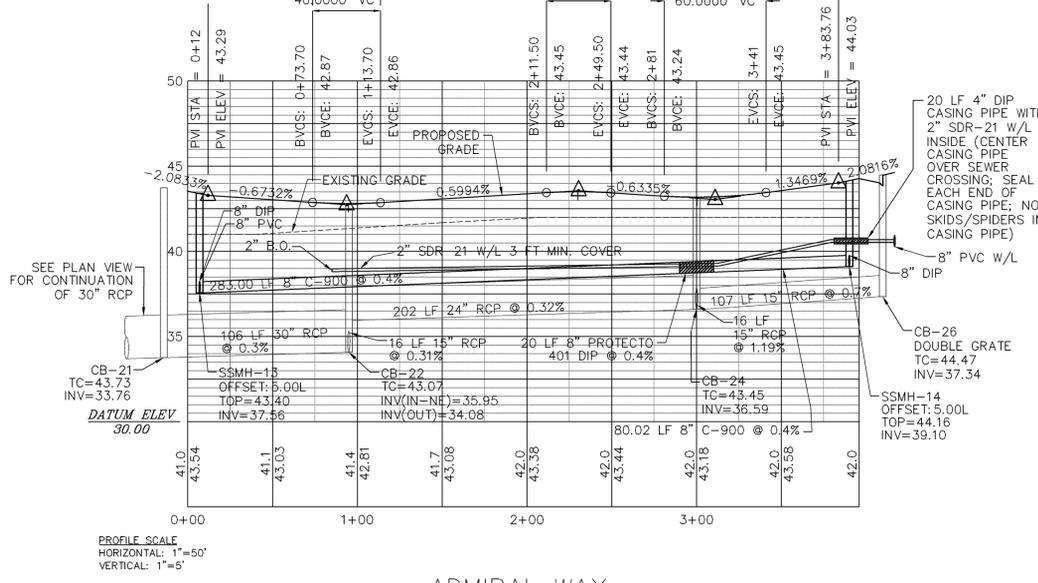
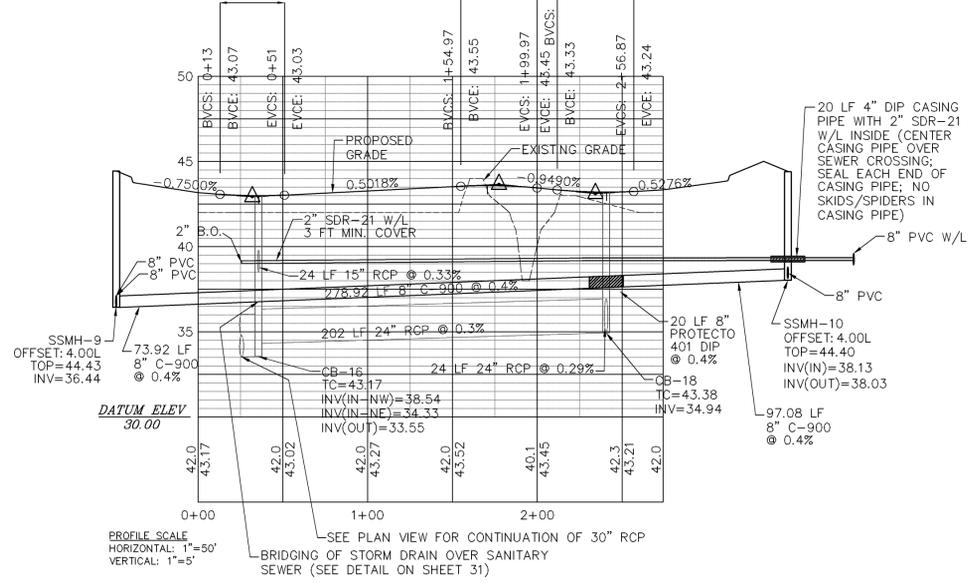
PRELIMINARY PLAT
NOT FOR RECORDATION,
CONVEYANCES, OR SALES.



HIGH POINT ELEV = 43.59
 LOW POINT ELEV = 42.99
 LOW POINT STA = 0+35.77
 PVI STA = 0+32
 PVI ELEV = 42.93
 A.D. = 1.2518
 K = 30.3558
 38.0000' VC I
 45.0000' VC
 45.0000' VC

HIGH POINT ELEV = 43.50
 LOW POINT ELEV = 42.80
 LOW POINT STA = 0+94.86
 PVI STA = 0+93.70
 PVI ELEV = 42.74
 A.D. = 1.2726
 K = 31.4315
 40.0000' VC I
 38.0000' VC I
 60.0000' VC

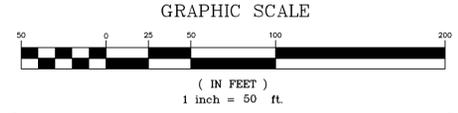
HIGH POINT ELEV = 48.67
 LOW POINT ELEV = 47.98
 LOW POINT STA = 3+00.19
 PVI STA = 3+11
 PVI ELEV = 43.05
 A.D. = 1.9804
 K = 30.2964
 43.0000' IVC



STANDARD SEWER NOTES
 (REQUIRED ON ALL SEWER PLAN AND PROFILE SHEETS)

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PRELIMINARY PLAT
 NOT FOR RECORDATION,
 CONVEYANCES, OR SALES.



REV NO.	DESCRIPTION	DATE
1	REVISED PER CLIENT.	4-15-14
2	REVISED PER CLIENT TO ADJUST SEWER INVERTS.	4-28-14
3	REVISED PER CLIENT.	7-1-14
4	REVISED TO ADJUST 4\"/>	
5	REVISED PER CITY OF WILMINGTON TO ADJUST ROUNDABOUTS.	8-18-14
6	REVISED PER CITY OF WILMINGTON.	8-21-14
7	REVISED PER NCCDRP PHSS.	8-22-14

STORMWATER MANAGEMENT PLAN
APPROVED
 CITY OF WILMINGTON
 ENGINEERING DEPARTMENT
 DATE _____ PERMIT # _____
 SIGNED _____

Approved Construction Plan	
Name	Date
Planning	
Public Utilities	
Traffic	
Fire	

PLAN PROFILE
THE FORKS AT GALLERY PARK
 CITY OF WILMINGTON NEW HANOVER COUNTY NORTH CAROLINA

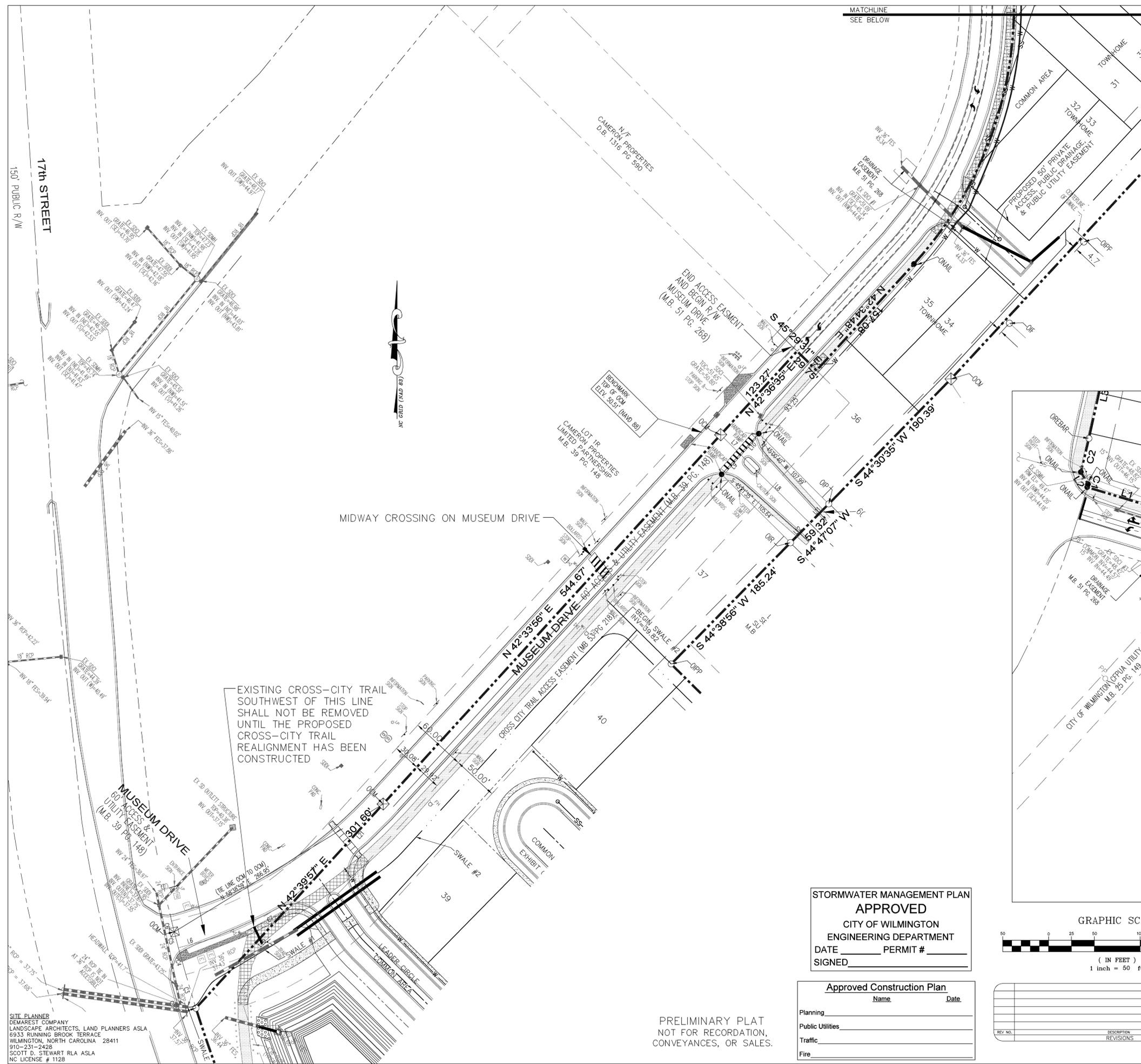
DATE: 3-31-14
 SCALE: 1"=50'
 DRAWN: JCB
 CHECKED: JEM
 PROJECT NO: 243

FINAL DRAWING FOR REVIEW PURPOSES ONLY

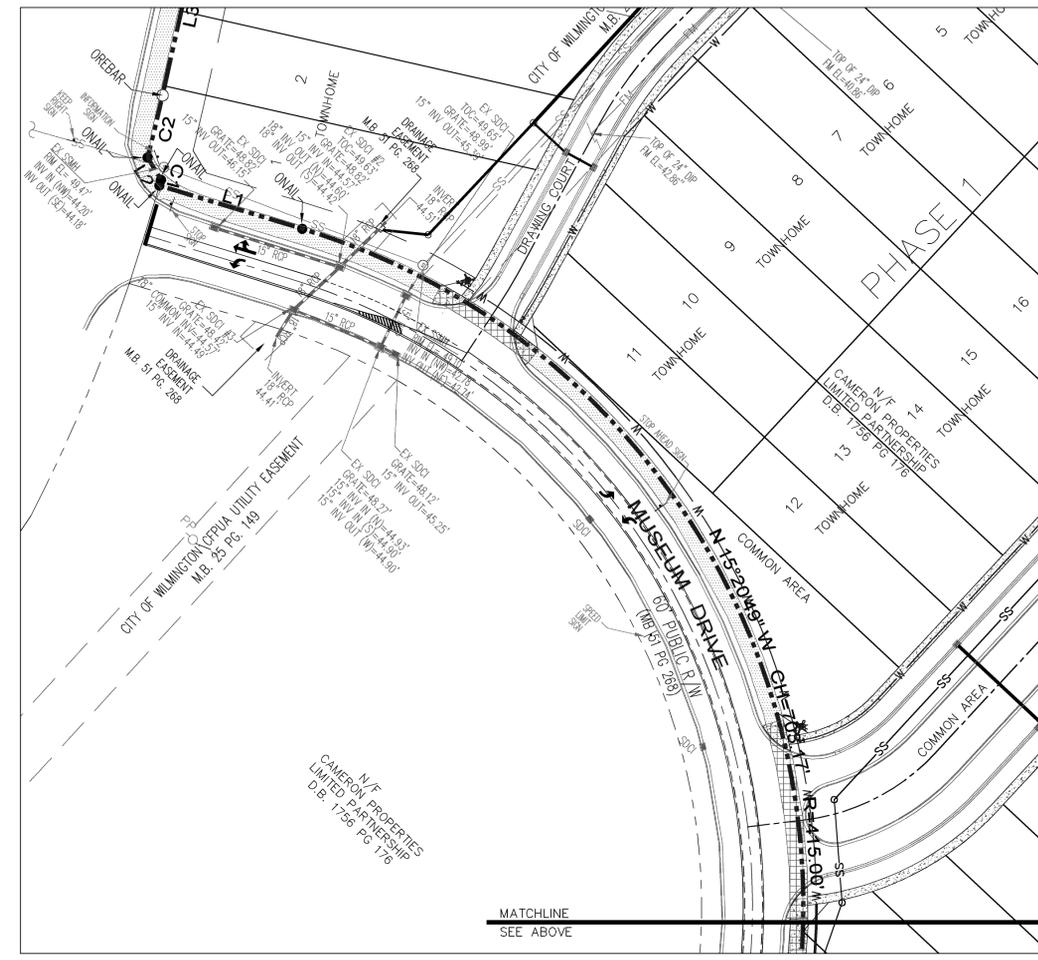
MALPASS ENGINEERING & SURVEYING, P.C.
 1134 SHEPARD BOULEVARD
 WILMINGTON, NORTH CAROLINA 28412
 Phone 910-392-0243
 Fax 910-392-0203 License No. C-2320

Owner: FORKS DEVELOPMENT, LLC
 P.O. BOX 3549
 WILMINGTON, NORTH CAROLINA 28406
 PHONE: 910-251-2324
 FAX: 910-762-2680

SHEET NO: 28
 OF: 33



- CROSS-CITY TRAIL CLOSURE SEQUENCE**
 THE CROSS CITY-TRAIL TO BE REMOVED/RELOCATED NEAR THE INTERSECTION OF MUSEUM DRIVE & 17TH STREET SHALL BE DONE AS FOLLOWS:
- 1) THE TRAIL FROM THE LINE LABELED ON THE PLAN TO JUST NORTHEAST OF LEADER CIRCLE SHALL BE REMOVED.
 - 2) CROSS-CITY TRAIL USERS SHALL TRAVEL SOUTHWEST ON THE EXISTING SIDEWALK ALONG MUSEUM DRIVE, CROSS MUSEUM DRIVE AT THE INTERSECTION OF MUSEUM DRIVE & 17TH STREET, TRAVEL NORTHEAST ON THE EXISTING SIDEWALK ON THE OTHER SIDE OF MUSEUM DRIVE, AND CROSS MUSEUM DRIVE AT THE MIDWAY CROSSING TO CONTINUE ON THE CROSS-CITY TRAIL.
 - 3) THE PROPOSED CROSS-CITY TRAIL REALIGNMENT SHALL BE CONSTRUCTED.
 - 4) REMOVAL OF THE TRAIL SOUTHWEST OF THE LINE LABELED ON THE PLAN AND THE EXISTING STORM DRAIN PIPE UNDER IT SHALL OCCUR ONLY AFTER THE PROPOSED CROSS-CITY TRAIL REALIGNMENT HAS BEEN CONSTRUCTED.
 - 5) THE CROSS-CITY TRAIL MAY BE CLOSED DOWN FOR 48 HOURS TO MAKE THE CONNECTION BETWEEN THE EXISTING CROSS-CITY TRAIL AND THE PROPOSED CROSS-CITY TRAIL ALIGNMENT.
- CLOSURE OF THE CROSS CITY-TRAIL ALONG MUSEUM DRIVE LOCATED NORTH OF CHARLES PAINE DRIVE, IN ORDER TO REMOVE & REPLACE IT DUE TO CONSTRUCTION ACTIVITIES, SHALL BE COORDINATED WITH THE CITY OF WILMINGTON THROUGH A UTILITY WORK PERMIT TO TEMPORARILY CLOSE THE CROSS-CITY TRAIL.



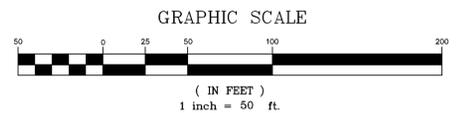
MIDWAY CROSSING ON MUSEUM DRIVE

EXISTING CROSS-CITY TRAIL SOUTHWEST OF THIS LINE SHALL NOT BE REMOVED UNTIL THE PROPOSED CROSS-CITY TRAIL REALIGNMENT HAS BEEN CONSTRUCTED

STORMWATER MANAGEMENT PLAN
APPROVED
 CITY OF WILMINGTON
 ENGINEERING DEPARTMENT
 DATE _____ PERMIT # _____
 SIGNED _____

Approved Construction Plan

Name	Date
Planning	
Public Utilities	
Traffic	
Fire	



REV. NO.	DESCRIPTION	DATE

PRELIMINARY PLAT
 NOT FOR RECORDATION,
 CONVEYANCES, OR SALES.

SITE PLANNER
 DEMAREST COMPANY
 LANDSCAPE ARCHITECTS, LAND PLANNERS ASLA
 6933 RUNNING BROOK TERRACE
 WILMINGTON, NORTH CAROLINA 28411
 910-231-2428
 SCOTT D. STEWART RLA ASLA
 NC LICENSE # 1128

CROSS-CITY TRAIL CLOSURE PLAN
THE FORKS AT GALLERY PARK
 CITY OF WILMINGTON NEW HANOVER COUNTY NORTH CAROLINA

FINAL DRAWING FOR REVIEW PURPOSES ONLY

MALPASS ENGINEERING & SURVEYING, P.C.
 1134 SHIPYARD BOULEVARD
 WILMINGTON, NORTH CAROLINA 28412
 Phone 910-392-0243
 Fax 910-392-5203 License No. C-2320

Owner: FORKS DEVELOPMENT, LLC
 P.O. BOX 3649
 WILMINGTON, NORTH CAROLINA 28406
 PHONE: 910-251-2314
 FAX: 910-762-2680

DATE: 8-21-14
 SCALE: 1"=50'
 DRAWN: JCB
 CHECKED: JEM
 PROJECT NO: 243
 SHEET NO: T-1