

TRACT DATA
NEW RIVER PLANTATION

ACREAGE IN SECT. I ----- 15.48 AC.
 ACREAGE IN OPEN SPACE OR OTHER USES ----- 0 AC.
 NUMBER OF LOTS ----- 36
 MIN. LOT SIZE ----- 15,000 SQ.FT.
 LINEAR FEET OF STREET ----- 4,650 LF.
 EXISTING USE ----- UNDEVELOPED
 WATER SERVICE ----- ONSLOW CO.
 SEWER SERVICE ----- INDIVIDUAL SEPTIC TANKS
 100-YEAR FLOOD ELEV. -----
 ZONE A ----- 3.0
 ZONE B ----- 3.7

- NOTES:**
1. ENTIRE RIGHT-OF-WAY PLUS TEN (10) FEET TO BE GRADED.
 2. RIP RAP SCOUR PADS TO BE INITIALLY INSTALLED AS SEDIMENT TRAPS. RIP RAP TO BE PLACED AFTER WATERSHED IS NO LONGER CONTRIBUTING ACCELERATED SEDIMENTATION.
 3. LOT DEVELOPMENT SHALL BE ON AN INDIVIDUAL BASIS BY OTHER PARTIES.
 4. CURBSET WITHIN RIGHT-OF-WAY SHALL BE RCP.
 5. A MINIMUM SITE DISTANCE OF TEN (10) BY SEVENTY (70) FEET SHALL BE MAINTAINED ALONG THE RIGHT-OF-WAY OF ALL INTERSECTIONS.
 6. NATURAL BUFFERS SHALL BE LEFT ALONG WATERCOURSES TO CONTAIN VISIBLE SEDIMENTATION WITHIN LESS THAN 25% OF THE BUFFER WIDTH WHERE CONSTRUCTION ACTIVITIES WILL NOT BE LOCATED ON, OVER, OR UNDER SAID WATERCOURSES.
 7. ALL EXPOSED SLOPES SHALL BE PROVIDED WITH A PROTECTIVE COVER SUFFICIENT TO RESTRAIN ACCELERATED EROSION WITHIN THIRTY (30) WORKING DAYS OF COMPLETING ANY PHASE OF GRADING.
 8. UPON COMPLETION OF ANY PHASE OF CONSTRUCTION OR DEVELOPMENT ALL REMAINING DENuded AREAS SHALL BE PROVIDED WITH A PERMANENT GROUND COVER SUFFICIENT TO RESTRAIN ACCELERATED EROSION WITHIN THIRTY (30) WORKING DAYS OR 120 CALENDAR DAYS, WHICHEVER IS LESS.
 9. DISCHARGE VELOCITIES OF THE TEN (10) YEAR STORM INTO RECEIVING WATERCOURSES SHALL NOT EXCEED THOSE SPECIFIED IN NCAC 15-48.0009(E) OR THE DISCHARGE VELOCITY PRIOR TO DEVELOPMENT.
 10. SEDIMENT CONTROL DEVICES AND STRUCTURES SHALL BE INSTALLED, MAINTAINED AND AMENDED AS NEEDED TO PROVIDE EFFECTIVE CONTROL OF ACCELERATED SEDIMENTATION UNTIL THE CONTRIBUTING WATERSHEDS ARE STABILIZED.
 11. FOR ADDITIONAL DETAIL SPECIFICATIONS, SEE THE PLAN AND PROFILES AND THE EROSION CONTROL NARRATIVE WHICH ARE PART AND PARCEL OF THIS PLAN.

DRAINAGE DATA CHART

PIPE	AREA	Q10	Q25	DIAMETER	LENGTH	SLOPE	Q10 EXIT	CONTROL
	ACRES	(CFS)	(CFS)	(INCHES)	(FEET)	(FT/FT)	VELOCITY	VELOCITY
							(FPS)	(FPS)
A	8.6	20.2	36.6	30	42	.005	6.0	2.5
B	2.3	9.7	18.1	24	42	.005	4.8	2.5
C	5.0	14.9	27.4	30	40	.005	5.3	2.5
D	5.0	14.9	27.4	30	40	.005	5.3	2.5
E	1.0	6.1	11.6	18	42	.005	4.4	2.5
F	0.10	1.7	3.4	15	55	.003	2.6	2.5
G1	0.00	4.8	11.6	18	28	.003	N/A	N/A
G2	0.00	4.8	11.6	18	32	.003	N/A	N/A
G3	0.00	4.8	11.6	18	32	.003	N/A	N/A
G4	0.65	4.8	11.6	18	28	.003	4.4	2.5

REFS: 1. USGS WATER SUPPLY PAPER, GUNTER 1987
 2. US-BPR, 1963, INLET CONTROL NOMOGRAPHS
 3. VELOCITY CONTROL MEASURES PROVIDED WHERE EXIT VELOCITY EXCEEDS CONTROL VELOCITY AS PER H.E.C. 14 OF U.S. DOT, 1975

REV. 04-12-88, JM CHGD ALIGNMENT OF MIDDLETON PL. AT WILLBROOK CIRCLE
 REV. 03-29-88, TCW MOVED DRAINAGE BREAK LINES
 REV. 03-18-88, FG REV ENTRANCE FOR C&G
 REV. 02-29-88, DCM CHGD ALL STREET NAMES
 REV. 02-19-88, TCW ADD ROADSIDE DITCH & FLOOD ZONE AREAS
 REV. 01-14-88, CHGD. LOT LINES, RIVER ROAD & CDS
 REV. 01-12-88, CPB CHGD LOT LINES & SOUND ON LOTS 23-36
 REV. 01-08-88, KMM ADDED SITE TRIANGLE
 REV. 01-06-88, FG REMOVED LOT, ADDED LOT & REARRANGED LOTS
 REV. 12-15-87, TCW ADD INVERTS, PROPOSED ELEVATIONS & NOTES ON DITCHES.
 REV. 12-10-87, TCW RELOCATED NOTES, CHANNELS & FLOW ARROWS

LEGEND

- RIP RAP SCOUR PAD
- SEDIMENT TRAPS
- DIVERSIONS
- FABRIC SILT FENCES
- TREATED WOOD CHECK DAM OR FABRIC FORTIFIED ROCK CHECK DAM
- FLOW DIRECTION
- CHANNELS
- * PROPOSED STORM DRAIN PIPE
- PROPOSED ELEVATIONS
- EXISTING ELEVATIONS

DATE PRINTED 4/14/88
 James E. Stewart & Associates, Inc.
 CONSULTING ENGINEERS LAND SURVEYORS LAND PLANNERS
 P.O. DRAWER 976 JACKSONVILLE, NC 28541-9974

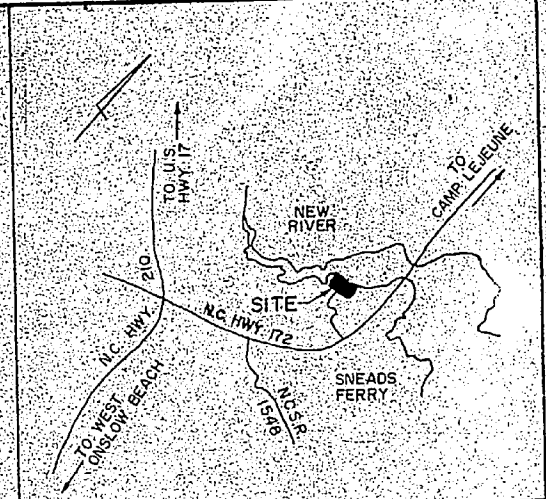
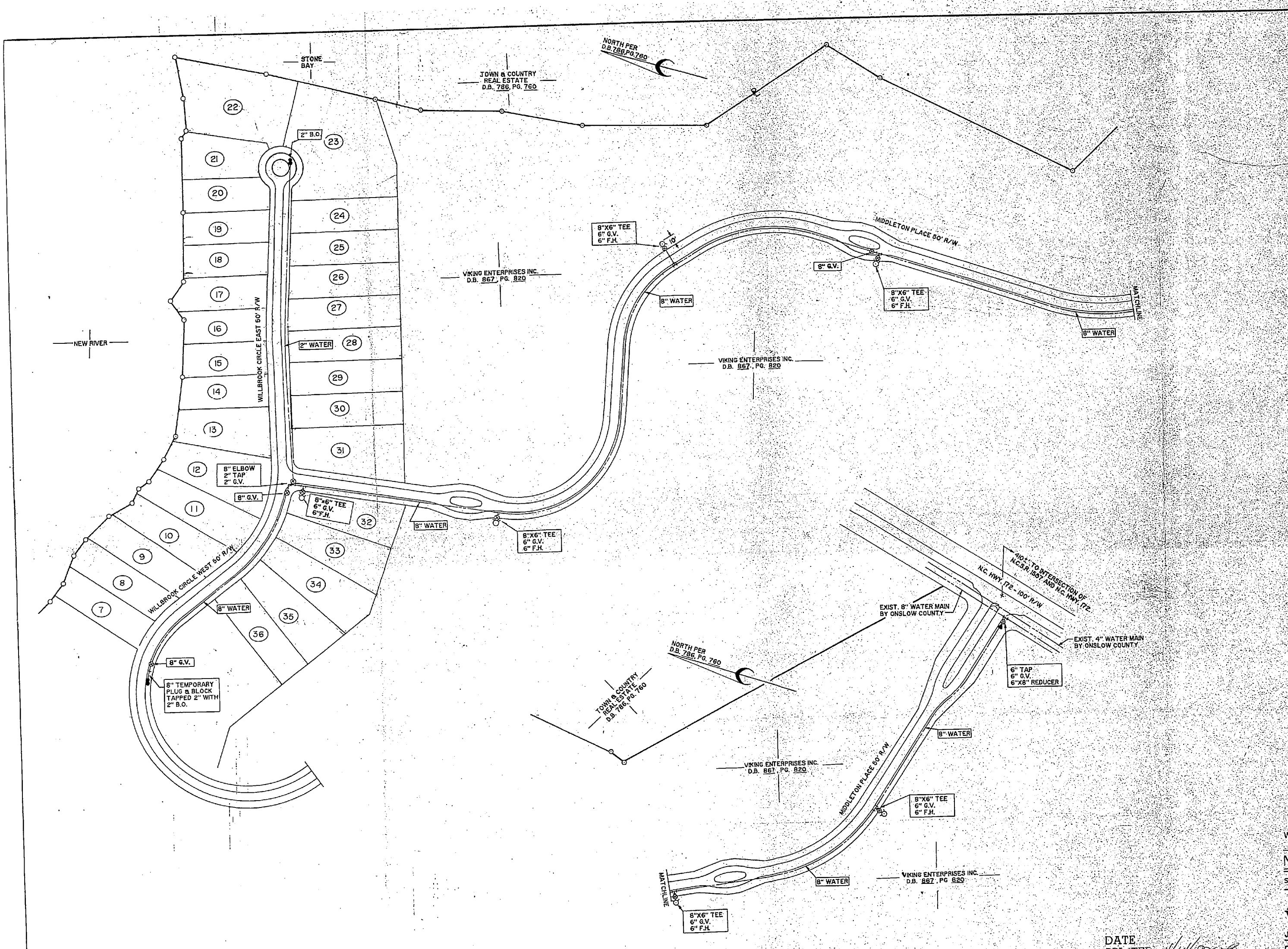
GENERAL GRADING AND SEDIMENTATION CONTROL PLAN
NEW RIVER PLANTATION SECTION I
 STUMP SOUND TWP., ONSLOW CO., NC

VIKING ENTERPRISES, INC.
 JACKSONVILLE, NORTH CAROLINA (919) 455-4030
 DATE 11-25-87 100' 50' 0' 100' 200'
 SCALE 1"=100'

JAMES E. STEWART & ASSOCIATES, INC.
 consulting engineers/land surveyors
 JACKSONVILLE, NORTH CAROLINA (919)-455-2414

11/25/87





VICINITY SKETCH
(NO SCALE)

TRACT DATA
NEW RIVER PLANTATION

ACREAGE IN SECT. 1	15.48 AC.
ACREAGE IN OPEN SPACE OR OTHER USES	0 AC.
NUMBER OF LOTS	30
MIN. LOT SIZE	15,000 SQ. FT.
LINEAR FEET OF STREET	4,650 LF.
EXISTING USE	UNDEVELOPED
WATER SERVICE	ONSLOW CO.
SEWER SERVICE	INDIVIDUAL SEPTIC TANKS

NOTES:

1. LOCATIONS OF EXISTING WATER MAINS AND APPURTENANCES TO BE FIELD VERIFIED AT THE TIME OF CONSTRUCTION.
2. SEWER TO BE BY INDIVIDUAL SEPTIC TANK SYSTEMS.
3. WATER SERVICES SHALL BE PROVIDED ON AN INDIVIDUAL UNIT BASIS AND SHALL INCLUDE PLASTIC METER BOXES WITH CAST IRON LIDS. SERVICES SHALL BE WITHIN 5' OF SIDE PROPERTY LINES.
4. WATER MAINS SHALL BE LAID WITH A MINIMUM COVER OF 18" AND SHALL BE LAID AT EXTERIOR DEPTH AS NECESSARY TO AVOID CONFLICTS WITH STORM DRAINAGE FACILITIES OR OTHER UTILITIES WITH A MINIMUM OF 12" SEPARATION.
5. WATER MAINS AND SERVICES SHALL BE AT LEAST 10 FEET AWAY FROM NITRIFICATION FIELDS.
6. ALL WATER MAINS TO BE 200' PSF. 21" PVC PIPE MEETING ALL REQUIREMENTS OF ASTM D 2241.
7. POTABLE WATER SUPPLIED BY THE COUNTY OF ONSLOW.
8. FOR ADDITIONAL INFORMATION SEE PLAN AND PROFILES.

LEGEND

- G.V. - GATE VALVE
- F.H. - FIRE HYDRANT
- R/W - RIGHT-OF-WAY
- B.O. - BLOW-OFF



11/25/87

WATER PLAN
NEW RIVER PLANTATION SECTION I
STUMPSOUND TWP., ONSLOW CO., NC.

VIKING ENTERPRISES, INC.
JACKSONVILLE, NORTH CAROLINA (919) 455-4030

DATE: 11/20/87

SCALE: 1"=100'

JAMES E. STEWART & ASSOCIATES, INC.
CONSULTING ENGINEERS AND SURVEYORS
JACKSONVILLE, NORTH CAROLINA (919) 455-2414

DATE PRINTED: 11/14/88
James E. Stewart and Associates, Inc.
CONSULTING ENGINEERS AND SURVEYORS AND PLANNERS
P.O. DRAWER 778 JACKSONVILLE, NC 27541-1978

REV. 04-08-88, MCH'D ALIGNMENT OF MIDDLETON PLACE AT WILLBROOK CIRCLE WEST.
REV. 03-18-88, TCW ADD. 3-8" GATE VALVES
REV. 03-16-88, KMM CHGD ADJ. PROP. NAMES
REV. 02-29-88, DCM CHGD ALL STREET NAMES.
REV. 02-12-88, KMM CHGD. WATER M'NTERS
REV. 01-14-88, KMM CHGD. LOT LINES 7-23.8 RIVER ROAD - C.D.S.
REV. 01-12-88, CFS CHGD. BOUND. & LOT LINES ON LOTS 23-36
REV. 01-06-88, FG REMOVED. LOT ADDED. LOT RE-NUMBERED LOTS

