GENERAL NOTES:

1. ALL DRIVEWAYS SHALL BE PAVED TO THE TIE-IN POINT OR REQUIRED RIGHT OF WAY WHICHEVER IS GREATER. EARTH DRIVEWAYS WILL BE PAVED WITH ASPHALT TO THE RIGHT OF WAY LINE AND CONTINUE WITH AGGREGATE SUFACE COURSE TO THE TIE-IN POINT

   ALL DRIVES THAT ARE TO BE RECONSTRUCTED SHALL BE RPLACED IN KIND, Ie., ASPHALT FOR ASPHALT, CONCRETE FOR CONCRETE, AND ALL GRADED AGGREGATE OR EARTH DRIVES SHALL BE PAVED WITH ASPHALT.

   ASPHALT DRIVES
   - RESIDENTIAL: 165 lb/sy ASPH. CONC. 12.5 mm MIX; 6" GRADED AGGREGATE BASE - ATL 1; 330 lb/sy ASPH. CONC. 19 mm MIX - ATL 2
   - COMMERCIAL: 165 lb/sy ASPH. CONC. 12.5 mm MIX; 220 lb/sy ASPH. CONC. 19 mm MIX; 6" GRADED AGGREGATE BASE - ATL 1; 330 lb/sy ASPH. CONC. 19 mm MIX - ATL 2

   CONCRETE DRIVES
   - RESIDENTIAL: 6" DRIVEWAY CONCRETE; 6" GRADED AGGREGATE BASE - ATL 1; 330 lb/sy ASPH. CONC. 19 mm MIX - ATL 2
   - COMMERCIAL: 8" DRIVEWAY CONCRETE; 6" GRADED AGGREGATE BASE - ATL 1; 330 lb/sy ASPH. CONC. 19 mm MIX - ATL 2
   - EARTH DRIVES: 6" GRADED AGGREGATE BASE - ATL 1; 330 lb/sy ASPH. CONC. 19 mm MIX - ATL 2

2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FURNISH SUITABLE BORROW MATERIAL FOR THE PROJECT AND DISPOSE OF ANY UNSUITABLE MATERIAL. BORROW SHALL BE FROM AN ENVIRONMENTALLY APPROVED LOCATION BEFORE USE.

3. ALL EXISTING PIPES SHALL BE CLEANED OUT PRIOR TO FINALIZING PROJECT.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL ACTIVE DRAINAGE STRUCTURES WITHIN THE LIMITS OF THE PROJECT. ANY DEBRIS THAT GOES IN A DRAINAGE STRUCTURE SHALL BE CLEARED OUT BY THE CONTRACTOR AT NO COST TO THE DEPARTMENT. IF EXISTING PIPE CAN NOT BE USED THEN IT SHALL BE PLUGGED AND FILLED WITH FLOWABLE FILL. EXISTING PIPES TO BE REMOVED UNLESS OTHERWISED NOTED IN THE PLANS. THIS WORK IS TO BE INCLUDED IN THE PRICE FOR CLEARING AND GRUBBING.

5. THIS PROJECT WILL REQUIRED A NOTICE OF INTENT (NOI).

6. THE CONTRACTOR SHALL PAVE UNDER NEW GUARDRAIL AS DETAILED IN THE TYPICAL SECTIONS. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE OVERALL BID PRICE FOR THE PAY ITEM 402-3130.

7. THE STREAMS SHOWN ON THE PLANS ARE DESIGNATED AS ENVIRONMENTALLY SENSITIVE AREAS (ESA'S). ONLY HAND CLEARINGS AND NO GRUBBING SHALL BE UTILIZED FOR CLEARING IN THESE AREAS AND WITHIN STREAM BUFFER ZONES (25 FEET ON EITHER SIDE OF THE STREAM BANKS). CAUTION WILL BE USED IN THE VICINITY OF THE ESA'S. ALL ESA'S SHALL BE DELINEATED WITH ORANGE CONSTRUCTION FENCING.

8. EXISTING PAVEMENT TO BE REMOVED WILL BE INCLUDED IN THE BID PRICE FOR CLEARING AND GRUBBING.

9. ANY ADDITIONAL EXCAVATION AS A RESULT OF DRIVEWAYS OR STAGING WILL BE INCIDENTAL TO THE OVERALL BID PRICE FOR EXCAVATION.

THE FOLLOWING UTILITIES HAVE FACILITIES IN THE PROJECT AREA:

VOID

UTILITY OWNER	SERVICE
ALTAMAHA EMC	POWER
PINELAND TELEPHONE	TELEPHONE
NONE	CABLE TV
NONE	GAS
NONE	SEWER
CITY OF OAK PARK	WATER
NONE	RAIL ROAD

PIPE CULVERT MATERIAL ALTERNATES
FOR COASTAL PLAIN REGION

TYPE OF PIPE INSTALLATION	CONCRETE	CORRUGATED STEEL AASHTO M-36: ALUMINUM COATED (TYPE 2) CORR. STEEL	CORRUGATED STEEL AASHTO M-36: PLAIN ZINC COATED	CORRUGATED ALUMINUM AASHTO M-196: PLAIN UNCOATED ALUMINUM	PLASTIC: CORR. POLY-ETHYLENE AASHTO M-252	PLASTIC: CORR. POLY-ETHYLENE SMOOTHED LINED AASHTO M-294 TYPE "S"	PLASTIC: POLY VINYL CHLORIDE (PVC) PROFILE WALL AASHTO M-304	PLASTIC: POLY VINYL CHLORIDE (PVC) CORRUGATED SMOOTH INTERIOR ASTM F-949
STORM DRAIN — LONGITUDINAL INTERSTATE AND TRAVEL BEARING	X							
STORM DRAIN — LONGITUDINAL NON-INTERSTATE AND NON-TRAVEL BEARING	X	X		X		X	X	X
STORM DRAIN — CROSS DRAIN — GRADE ≤ 10% — ADT < 250	X	X	X	X		X	X	X
STORM DRAIN — CROSS DRAIN — GRADE ≤ 10% — 250 < ADT < 1500	X			X		X	X	X
STORM DRAIN — CROSS DRAIN — GRADE ≤ 10% — 1500 < ADT < 1500	X					X	X	X
STORM DRAIN — CROSS DRAIN — GRADE ≤ 10% — ADT > 1500	X							
STORM DRAIN — CROSS DRAIN — GRADE > 10% — ADT < 250		X	X	X		X	X	X
STORM DRAIN — CROSS DRAIN — GRADE > 10% — ADT > 250				X		X	X	X
SIDE DRAIN	X	X	X	X		X	X	X
PERMANENT SLOPE DRAIN		X	X	X		X	X	X
PERFORATED UNDERDRAIN		X	X	X	X	X		X

NOTE:

1. ALLOWABLE MATERIALS ARE INDICATED BY AN "X".
2. STRUCTURAL REQUIREMENTS OF STORM DRAIN PIPE WILL BE IN ACCORDANCE WITH GEORGIA STANDARD 1030-D OR 1030-P, WHICHEVER IS APPLICABLE, AND THE STANDARD SPECIFICATIONS.
3. GRADED AGGREGATE BACKFILL SHALL BE USED IN CROSS DRAIN APPLICATIONS FOR ALL PLASTIC PIPES (AASHTO M-249, HDPE PIPE; AASHTO M-304, PVC PIPE; ASTM F-949, PVC PIPE).
4. THE CONTRACTOR SHALL PROVIDE ADDITIONAL STORM SEWER CAPACITY CALCULATIONS IF A PIPE MATERIAL OTHER THAN CONCRETE IS SELECTED.
5. PIPE USED UNDER MECHANICALLY STABLIZED EARTH (MSE) WALLS, BACKFILL, OR WITHIN FIVE FEET OF AN MSE WALL FACE SHALL BE CLASS V CONCRETE PIPE.
6. PROJECT SPECIFIC pH RESISTIVITY VALUES ARE ENTER INTO THE RESPECTIVE BOXES ABOVE TO DETERMINE ALLOWABLE PIPE MATTERIALS.