

P:\CAD\2017\17-108\CONSTRUCTION\17-108\_DTL-GENNOTES.DWG, 2 GENERAL NOTES, 1/26/2018 8:08:14 AM, Avalon Engineering Inc.

GENERAL CONSTRUCTION NOTES

- 1. ALL ELEVATIONS REFER TO N.A.V.D. 1988, UNLESS OTHERWISE NOTED.
2. CONTRACTOR SHALL LOCATE AND VERIFY THE SIZE, LOCATION AND DEPTH OF ALL EXISTING UTILITIES IN THE FIELD AND SHALL NOTIFY THE UTILITY COMPANIES IN THE AREA BEFORE BEGINNING CONSTRUCTION.
3. ALL MATERIALS AND WORKMANSHIP UNDER THIS PROJECT SHALL BE IN STRICT ACCORDANCE WITH THE CURRENT CONSTRUCTION STANDARDS AND SPECIFICATIONS OF LEE COUNTY DEVELOPMENT STANDARDS AND FLORIDA DEPARTMENT OF (FDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE TRANSPORTATION CONSTRUCTION AND LEE COUNTY UTILITIES (LCU) UNLESS OTHERWISE NOTED.
4. CONCRETE SIDEWALK: USE CLASS I, 3000 PSI (MINIMUM) CONCRETE. APPLY A BROOM FINISH AND MAKE VERTICAL SAW CUTS AT 5' ON CENTER AT A DEPTH OF 1/4 OF THE SLAB THICKNESS. PROVIDE PRE-FORMED EXPANSION JOINTS AT 50' ON CENTER.
5. CONCRETE CURB & GUTTER AND STRAIGHT CURB: USE CLASS I, 3000 PSI (MINIMUM) CONCRETE. MAKE VERTICAL SAW CUTS EVERY 10' ON CENTER WITH PRE-MOLDED EXPANSION JOINTS EVERY 50' ON CENTER.
6. CONSTRUCTION OF NEW DRIVEWAYS AND/OR ALLEYS SHALL BE IN STRICT ACCORDANCE WITH THE CONSTRUCTION STANDARDS AND SPECIFICATIONS OF LEE COUNTY TRANSPORTATION. ALL EXISTING GRADES ALONG RIGHT-OF-WAY SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
7. ALL CONSTRUCTION WITHIN THE COUNTY RIGHT-OF-WAY SHALL BE IN STRICT ACCORDANCE WITH THE CURRENT FLORIDA DEPARTMENT OF TRANSPORTATION STANDARDS AND ALL REQUIRED INSPECTIONS PERFORMED BY THEM. CONTRACTOR SHALL PROVIDE BOND AND PERMIT FEE AND OBTAIN FDOT PERMIT AS REQUIRED.
8. PAVEMENT MARKINGS AND SIGNS SHALL BE IN STRICT ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" AND FDOT STANDARD INDEX #17346.
9. ALL PERVIOUS AREAS WITHIN THE PROJECT CONSTRUCTION LIMITS SHALL BE GRASSED, SODDED OR MULCHED IN ACCORDANCE WITH THE APPROVED LANDSCAPE PLAN.
10. THE CONTRACTOR SHALL BE REQUIRED TO MEET ALL "MAINTENANCE OF TRAFFIC" REQUIREMENTS AS PRESCRIBED IN THE CURRENT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", F.H.W.A. MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, PART VI, CURRENT EDITION, AND ALL APPLICABLE SECTIONS OF THE ROAD AND TRAFFIC DESIGN STANDARDS, FLORIDA DEPARTMENT OF TRANSPORTATION, CURRENT EDITION.
11. THERE ARE NOT KNOWN WELLS LOCATED ON THIS JOB SITE. IF ANY WELLS ARE LOCATED DURING CONSTRUCTION THE CONTRACTOR IS RESPONSIBLE TO NOTIFY THE ENGINEER.
12. ALL PRACTICABLE AND NECESSARY EFFORT SHALL BE TAKEN DURING CONSTRUCTION TO CONTROL AND PREVENT EROSION AND TRANSPORT OF SEDIMENT TO SURFACE DRAINS, SWALES AND OUTFALLS. (REFER TO EROSION CONTROL PLAN)
13. WHERE THE NEW PAVEMENT IS DISCONTINUED IT SHALL BE FLUSH WITH OR HAVE A SMOOTH TRANSITION WITH ADJACENT PAVEMENT.
14. ALL INVERT ELEVATIONS NOTED FOR DRAINAGE STRUCTURES ARE FLOW LINE ELEVATIONS.
15. ALL DISTURBED AREAS WITHIN COUNTY R/W'S SHALL BE REGRADED AS REQUIRED AND STABILIZED WITH SOD.
16. STORM DRAIN (SD) SHALL BE REINFORCED CONCRETE PIPE, ADS N-12, ALUMINUM, PVC SDR-35, A-2000 PVC, OR AS SHOWN ON PLANS. NO STEEL PIPE, NON REINFORCED CONCRETE PIPE, OR FIBER REINFORCED PIPE.
17. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER SHOP DRAWINGS OF ANY AND ALL MATERIALS, STRUCTURES, PIPING, VALVES, VALVE BOXES, ETC, TO BE USED ON SITE PRIOR TO ORDERING OR INSTALLING, INCLUDING MFG. OF SAME.
18. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION AND CONDUIT INSTALLATION FOR UNDERGROUND ELECTRIC, PHONE AND CABLE.
19. THIS PROJECT DOES NOT PROPOSE ANY IMPACTS TO GROUND WATER OR SURFACE WATER. CONTRACTOR SHALL INFORM ENGINEER OF RECORD OF ANY POTENTIAL IMPACTS PRIOR TO COMMENCEMENT OF CONSTRUCTION.

GEOTECH REPORT NOTE:

- 1. THE SITE CONTRACTOR SHALL BECOME FAMILIAR WITH THE GEOTECHNICAL REPORT IF ONE WAS PREPARED. THE CONTRACTOR SHALL COMPLY WITH ALL THE SITE PREPARATION AND OTHER SITE RELATED ITEMS, RECOMMENDATIONS AND PROCEDURES.

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GENERAL LEE COUNTY UTILITIES NOTES (Sec. 10.1)

- A. ALL WORK SHALL CONFORM TO LATEST REVISION OF THE LEE COUNTY UTILITIES OPERATIONAL MANUAL WHICH IS ON FILE AT THE DIVISION OF LEE COUNTY UTILITIES OFFICE (1500 MONROE STREET, P.O. BOX 398, FORT MYERS, FLORIDA 33902).
B. ANY QUANTITIES SHOWN ON PLANS ARE NOT VERIFIED BY LCU.
C. AT THE SITE KEEP AND MAINTAIN ONE RECORD COPY OF ALL CONTRACT DOCUMENTS, REFERENCE DOCUMENTS AND ALL TECHNICAL DOCUMENTS SUBMITTED IN GOOD ORDER. AS THE WORK PROGRESSES THE ENGINEER OR HIS DESIGNATED REPRESENTATIVE SHALL RECORD ON ONE SET OF REPRODUCIBLE DRAWINGS ALL CHANGES AND DEVIATIONS FROM THE ORIGINAL PLANS. HE SHALL RECORD THE EXACT LOCATION OF ALL CHANGES IN VERTICAL AND HORIZONTAL ALIGNMENT BY OFFSETS AND TIES AT EACH; SEWER, WATER, ELECTRIC, GAS, COMMUNICATION AND OTHER SERVICES BY OFF-SET DISTANCE TO PERMANENT IMPROVEMENTS SUCH AS BUILDING AND CURBS. THESE RECORD DRAWINGS MUST BE CERTIFIED BY THE FLORIDA REGISTERED PROFESSIONAL ENGINEER, WHO PREPARED THE PLANS AND SIGNS AND SEALS THESE PLANS. THE RECORD DRAWINGS SHALL INCLUDE VERTICAL AND HORIZONTAL ALIGNMENT OF ALL WATER, SEWER, AND EFFLUENT REUSE LINES, VALVES, TEES, BENDS, REDUCERS, HYDRANTS, PUMP STATIONS, SERVICE CONNECTIONS, METER BOXES AND/OR PADS, AND OTHER PERTINENT STRUCTURES. PIPELINE RUNS IN EXCESS OF 152.4M, (500'), WITHOUT FITTINGS SHALL INCLUDE VERTICAL ALIGNMENT INFORMATION AT 152.4M, (500') INTERVALS.
D. A PRE-CONSTRUCTION MEETING IS REQUIRED BEFORE WORK MAY BEGIN. LEE COUNTY UTILITIES SHALL BE NOTIFIED 48 HOURS PRIOR TO PROJECT MOBILIZATION.
E. ALL WORK AND MATERIALS, WHICH DO NOT CONFORM TO LCU SPECIFICATIONS, ARE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
F. ANY WORK PERFORMED WITHOUT THE KNOWLEDGE OF LCU IS SUBJECT TO RE-EXCAVATION, REMOVAL AND REPLACEMENT OF SAME TO BE DONE AT THE CONTRACTOR'S EXPENSE.
G. THE CONTRACTOR SHALL PROVIDE SUFFICIENT PERSONNEL AND EQUIPMENT ON THE JOB AT ALL TIMES DURING CONSTRUCTION TO SATISFY THE SPECIFICATIONS AND TO COMPLETE WORK.
H. LCU INSPECTION STAFF MAY OBSERVE PROJECT CONSTRUCTION.
I. THE CONTRACTOR IS TO UNCOVER ALL EXISTING LINES BEING TIED INTO AND VERIFY GRADES BEFORE BEGINNING CONSTRUCTION.
J. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND TAKE ALL POSSIBLE PRECAUTIONS TO AVOID ANY DAMAGE TO ALL UNDERGROUND PIPELINES, TELEPHONE, CABLE TV, ELECTRIC LINES/CONDUITS AND STRUCTURES IN ADVANCE OF ANY CONSTRUCTION. LCU WILL NOT GUARANTEE ANY LOCATIONS AS SHOWN ON THESE PLANS OR THOSE OMITTED FROM THESE PLANS. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MAY OCCUR BY HIS FAILURE TO EXACTLY LOCATE AND PROTECT EXISTING UTILITIES AND STRUCTURES.
K. CONTRACTOR SHALL VERIFY ALL QUANTITIES SHOWN ON THE PLANS. IF ANY DISCREPANCIES IN QUANTITIES ARE FOUND, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER AND LCU.
L. ALL REGULATORY AND PERMITTING AGENCIES' REQUIREMENTS SHALL BE COMPLIED WITH.
M. APPROPRIATE TURBIDITY CONTROL DEVICES (E.G. SILT FENCES, HAY BAIRS) WILL BE UTILIZED DURING ALL PHASES OF INSTALLATION AND GRADING. CONTRACTOR IS RESPONSIBLE FOR SUBMITTING THE NOTICE OF INTENT AND NOTICE OF TERMINATION TO THE EPA IN COMPLIANCE WITH LEE COUNTY'S NPDES PERMIT. CONTRACTOR IS RESPONSIBLE FOR DEVELOPING AND MAINTAINING AN EFFECTIVE STORM WATER POLLUTION PREVENTION PLAN.
N. IN THE EVENT THAT HARD LIMESTONE FORMATION IS ENCOUNTERED, MAKING IT IMPOSSIBLE TO EXCAVATE TO THE DEPTH REQUIRED UNDER THIS CONTRACT, THE CONTRACTOR MAY BE ALLOWED TO REDUCE THE PIPE COVER TO NOT LESS THAN TWO (2) FEET WHILE MAINTAINING THE LCU REQUIRED THICKNESS OF BEDDING UNDER THE PIPE. SUCH DEVIATION FROM THE PLANS MUST BE FIRST BE APPROVED BY LCU AND THE ENGINEER PRIOR TO THE PIPE LAYING. IF TWO FEET OF COVER OR MORE CAN NOT BE ATTAINED, THE CONTRACTOR SHALL PROVIDE OTHER METHOD OF CONSTRUCTION OR PIPE PROTECTION WHICH SHALL FIRST BE APPROVED BY LCU AND THE ENGINEER, AT NO ADDITIONAL COST TO THE COUNTY.
O. LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS, BUT DO NOT PURPORT TO BE ABSOLUTELY CORRECT. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY AND BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL EXISTING UTILITIES, STRUCTURES, AND OTHER FEATURES AFFECTED BY WORK. ANYTHING NOT SHOWN ON THESE DRAWINGS SHOULD BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND SHALL NOT CONSTITUTE AN EXTRA, UNLESS APPROVED BY THE ENGINEER.
P. THE CONTRACTOR SHALL CONTACT THE ENGINEER AND LCU IMMEDIATELY CONCERNING ANY CONFLICTS WITH LCU UTILITIES/STRUCTURES ARISING DURING CONSTRUCTION OF ANY UTILITIES SHOWN ON THESE DRAWINGS.
Q. TRAFFIC MUST BE MAINTAINED AT ALL TIMES AS PER LEE COUNTY DEPARTMENT OF TRANSPORTATION (LCDOT) AND PER FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
R. THE CONTRACTOR SHALL VERIFY ALL UTILITIES AND PROVIDE AT LEAST 48 HOURS NOTICE TO THE INDIVIDUAL UTILITY COMPANIES AND FDOT AND LCDOT PRIOR TO CONSTRUCTION.
S. THE CONTRACTOR SHALL REPLACE ALL PAVEMENT, CURBS, DRIVEWAYS, SIDEWALKS, FENCES, ETC., WITH THE SAME TYPE OF MATERIAL THAT WAS REMOVED DURING CONSTRUCTION OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL RESTORE ALL AREAS AFFECTED BY THE CONSTRUCTION TO ITS ORIGINAL CONDITION, OR BETTER.
T. WITHIN THE FDOT AND LCDOT RIGHT-OF-WAY, ALL DISTURBED AREAS SHALL RECEIVE GRASSING (SEEDING) OR SODDING MATERIALS IN ACCORDANCE WITH FDOT SPECIFICATIONS. THOSE AREAS THAT ARE CLASSIFIED AS DRAINAGE DITCHES SHALL RECEIVE FULL SOLID SOD.
U. THE INFORMATION PROVIDED IN THESE PLANS IS SOLELY TO ASSIST THE CONTRACTOR IN ASSESSING THE NATURE AND EXTENT OF CONDITIONS WHICH MAY BE ENCOUNTERED DURING THE COURSE OF WORK. ALL CONTRACTORS ARE DIRECTED, PRIOR TO BIDDING, TO CONDUCT WHATEVER INVESTIGATIONS THEY MAY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSION REGARDING THE ACTUAL CONDITIONS THAT WILL BE ENCOUNTERED, AND UPON WHICH THEIR BIDS WILL BE BASED.
V. ALL FRAMES, COVERS VALVE BOXES, METER BOXES AND MANHOLES SHALL BE ADJUSTED TO FINISHED GRADE UPON COMPLETION OF PAVING OR RELATED CONSTRUCTION. ALL VALVE PADS SHALL BE POURED IN PLACE. NO PRE-FORMED VALVE PADS ALLOWED.

LEGEND

- C-1/COM ZONING AND LANDUSE
LIGHT POLE (BY OTHERS)
HANDICAP RAMP (12:1 MAX. SLOPE)
ROCK BOULDER RIP-RAP OVER FILTER FABRIC
EXIST. STORM DRAIN & INLET
DETENTION AREAS
PROP. STORM DRAIN & INLET
STRUCTURE I.D. \*
EXISTING ELEVATION
PROPOSED ELEVATION
DESIGN ELEVATION
DRAINAGE FLOW ARROW
SEWER MAIN (SDR 26 PVC) AND MANHOLE
SEWER LATERAL W/ CLEANOUT
METER AND/OR BACKFLOW DEVICE
FIRE HYDRANT ASSEMBLY
WATER MAIN & VALVE

- POWER POLE W/OVERHEAD LINES
TRANSFORMER PAD (BY OTHERS, COORDINATE W/ELEC. COMPANY)
PHONE/CABLE BOX (BY OTHERS)
CONCRETE (SEE SECTION)
DETECTABLE WARNING MATERIAL
HEAVY DUTY ASPHALT PAVEMENT (SEE SECTION)
TYPICAL ASPHALT PAVEMENT (SEE SECTION)
PVC SLEEVES (IRRIGATION AND/OR ELEC. SLEEVES)

REQUIRED OPEN SPACE PER ZONING

Table with 3 columns: Permitted, Current Development, and Commercial Planned Development Dimensional Regulations. Rows include Building Square Footage, Minimum Lot Area, Minimum Lot Width, etc.

OPEN SPACE AREA TABLES

RPD PROVIDED OPEN SPACE table with columns: TRACT #, TYPE OF USE, MINIMUM PROVIDED LOT SIZE, MAX LOT COVERAGE, TRACT AREA (AC), WETLANDS, INDIGENOUS UPLAND, INDIGENOUS CREDIT, BUFFERS/C OMMON, LAKES\*, TOTAL. Includes sub-totals for various parcels.

CPD PROVIDED OPEN SPACE table with columns: TRACT #, TYPE OF USE, MINIMUM PROVIDED LOT SIZE, MAX LOT COVERAGE, TRACT AREA (AC), WETLANDS, INDIGENOUS UPLAND, INDIGENOUS CREDIT, BUFFERS/C OMMON, LAKES, TOTAL. Includes sub-totals for various tracts.

TOTAL PROJECT PROVIDED OPEN SPACE table with columns: TRACT #, TYPE OF USE, MINIMUM PROVIDED LOT SIZE, MAX LOT COVERAGE, TRACT AREA (AC), WETLANDS\*, INDIGENOUS UPLAND\*, INDIGENOUS CREDIT\*, BUFFERS/C OMMON, LAKES, TOTAL. Includes overall project totals.

ALL EXISTING AND PROPOSED GRADES SHOWN REFER TO N.A.V.D. 1988 PER CITY OF CAPE CORAL BENCH MARK 210-12-01 (CONVERSION OF -118' FROM NGVD 29 TO NAVD 88)

BID SET (NOT FOR CONSTRUCTION) 01/26/18

Vertical sidebar containing: AVALON ENGINEERING, INC. logo and contact info; DOLLAR GENERAL AND LEGEND logo and address; and a revision table with columns: DATE, BY, REVISION DESCRIPTION.