CIVIL CONSTRUCTION NOTES:

THE CONTRACTOR SHALL ENSURE THAT ALL CONSTRUCTION IS IN COMPLIANCE WITH THE CITY OF BREMEN STANDARDS, ORDINANCES AND REGULATIONS, AND ALL OTHER AGENCIES HAVING JURISDICTION AND UTILITY PROVIDER REQUIREMENTS ARE MET.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING ANY EXISTING IMPROVEMENTS OR UNDERGROUND FACILITIES THAT ARE DAMAGED.

THE CONTRACTOR SHALL LEAVE AN EMERGENCY PHONE NUMBER WITH THE POLICE AND FIRE DEPARTMENTS AND KEEP THEM INFORMED OF CONSTRUCTION ACTIVITIES AND OF ANY DETOURS.

CONTRACTOR SHALL POST EMERGENCY PHONE NUMBERS AT THE SITE FOR THE PUBLIC WORKS, AMBULANCE, POLICE, FIRE DEPARTMENT, AND UTILITY LOCATE COMPANIES AT ALL TIMES.

THE CONTRACTOR SHALL CONDUCT THEIR WORK SO AS NOT TO INTERFERE WITH OR HINDER THE PROGRESS

THE CONTRACTOR AND ALL SUBCONTRACTORS INVOLVED IN THE PROJECT, SHALL ASSUME LIABILITY, FINANCIAL OR OTHERWISE, IN CONNECTION WITH THEIR CONTRACT AND SHALL PROTECT AND HOLD HARMLESS THE ENGINEER AND THE ENGINEER SEPRESENTATIVES FROM ANY AND ALL DAMAGED. CLAIMS THAT MAY ARISE BECAUSE OF INCONVENIENCE, DELAYS, OR LOSS EXPERIENCED BECAUSE OF THE PRESENCE AND OPERATIONS OF OTHER CONTRACTORS OR CONSULTANTS WORKING ADJACENT TO OR

CONTRACTOR SHALL REPAIR ANY DAMAGE TO PROPERTY DURING CONSTRUCTION. DAMAGED PROPERTY SHALL BE RETURNED TO THE EXISTING CONDITIONS AT A MINIMUM.

PUBLIC SAFETY AND TRAFFIC CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH THE CITY OF BREMEN STANDARDS AND SPECIFICATIONS AND AS DIRECTED BY THE CITY. SAFE VEHICULAR AND PEDESTRIAN ACCESS SHALL BE PROVIDED AROUND THE SITE AT ALL TIMES. ALL DETOURS/LANE CLOSURES MUST BE HANDLED USING TRAFFIC CONTROL DEVICES CONFORMING TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), CURRENT EDITION, AND MUST BE APPROVED BY THE CITY

ADEQUATE TEMPORARY OFF STREET PARKING FOR CONSTRUCTION WORKERS SHALL BE PROVIDED. PARKING ON NON-SURFACED AREAS SHALL BE PROHIBITED IN ORDER TO ELIMINATE THE CONDITION, WHEREBY MUD FROM CONSTRUCTION AND/OR WORKERS VEHICLES IS TRACKED ONTO THE PAVEMENT CAUSING HAZARDOUS ROADWAY AND DRIVEWAY CONDITIONS.

PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING SITE FEATURES AND

ALL WORK, INSTALLATION, PROCEDURES, MATERIALS, AND TESTING ASSOCIATED WITH THIS PROJECT SHALL CONFORM TO THE FOLLOWING STANDARD SPECIFICATIONS AND REQUIREMENTS INSOFAR AS THEY APPLY (EXCEPT ALL REQUIREMENTS FOR METHOD OF MEASUREMENT OR PAYMENT DO NOT APPLY

- STANDARD SPECIFICATIONS AS PUBLISHED BY THE IOWA DEPARTMENT OF TRANSPORTATION, LATEST
- · NATIONAL MANUAL ON TRAFFIC CONTROL DEVICES, LATEST EDITION.
- UNITED STATES AMERICANS WITH DISABILITIES ACT.
- · ALL ORDINANCES, LAWS, REGULATIONS, AND STANDARDS OF ALL PERTINENT AUTHORITIES HAVING
- ANY INCONSISTENCIES, DISCREPANCIES OR CONFLICTS DISCOVERED BETWEEN THE VARIOUS STANDARDS, SPECIFICATIONS OR LAWS BY GOVERNING AUTHORITIES AND/OR THESE PLANS AND SPECIFICATIONS, THE MOST STRINGENT SHALL BE BINDING AND APPLICABLE TO THIS PROJECT.

CIVIL SITE NOTES:

THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES FOR SAFETY PRECAUTIONS OR PROGRAMS. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

PRIOR TO CONSTRUCTION. THE ENGINEER AND REVIEWING AGENCY, MUST APPROVE ANY ALTERATION OR VARIANCE FROM THE PLANS. ANY VARIATIONS FROM THESE PLANS SHALL BE PROPOSED ON THE CONSTRUCTION FIELD PRINTS AND TRANSMITTED TO THE ENGINEER.

ANY INSPECTION BY THE MUNICIPALITY, COUNTY, STATE OR THE ENGINEER SHALL NOT, IN ANY WAY RELIEVE THE CONTRACTOR FROM ANY OBLIGATION TO PERFORM THE WORK IN STRICT COMPLIANCE WITH

REMOVAL AND REPLACEMENT QUANTITIES ARE APPROXIMATE AND THE EXACT LOCATION OF REMOVAL LIMITS SHALL BE VERIFIED IN THE FIELD AND APPROVED BY THE INSPECTOR PRIOR TO THE START OF

ALL LANDSCAPE AREAS SHALL BE FILLED WITH A MINIMUM OF 6 INCHES OF TOPSOIL.

THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN ALL REQUIRED CONSTRUCTION PERMITS AND BONDS

THE CONTRACTOR SHALL HAVE A COPY OF THE CONTRACT DOCUMENTS INCLUDING THE PLANS SPECIFICATIONS, COPIES OF REQUIRED CONSTRUCTION PERMITS, EROSION AND SEDIMENT CONTROL PLANS AND INSPECTION REPORTS AT THE IOB SITE AT ALL TIMES.

ALL COPIES OF COMPACTION, CONCRETE AND OTHER REQUIRED TEST RESULTS ARE TO BE SENT TO THE OWNER, CITY INSPECTOR, AND ENGINEER OF RECORD DIRECTLY FROM THE TESTING COMPANY.

THE CONTRACTOR SHALL THOROUGHLY CHECK AND COORDINATE THE ARCHITECTURAL, CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION, AND ALL OTHER PLANS PRIOR TO COMMENCING CONSTRUCTION. THE OWNER AND ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCY PRIOR TO COMMENCING CONSTRUCTION

ALL UTILITY CONDUITS SHALL BE FOUR (4) INCHES, UNLESS OTHERWISE INDICATED, U.L. LISTED SCHEDULE 40 PVC INSTALLED AT A MINIMUM OF 24" BELOW FINAL GRADE, UNLESS THE UTILITY COMPANY REQUIRES DIFFERENT INSTALLATION METHODS, ALL CONDUITS FOR GAS, ELECTRIC, AND COMMUNICATIONS SHALL BE INSTALLED PRIOR TO STREET/PAYEMENT INSTALLATION.

ALL LITTLITY CONDUITS SHALL HAVE PULL WIRES INSTALLED THE CONDUITS ENDS SHALL BE TEMPORARII SEALED WITH TAPE AND 2"X4" INSTALLED AT EACH END. THE 2"X4" SHALL BE COLOR CODED STANDARD UTILITY LOCATING COLORS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NECESSARY RELOCATIONS INCLU-LIMITED TO: UNDERGROUND AND OVERHEAD UTILITIES, STORM DRAINAGE, SIGNS, TRAFFICA POLES, IRRIGATION STRUCTURES, AND OTHER EXISTING APPURTENANCES AS REQUIRED TO FA INSTALLATION OF THE PROPOSED IMPROVEMENTS. ALL RELOCATION WORK SHALL BE IN /TTH GOVERNING AUTHORITES/DISTRICTS SPECIFICATIONS AND SHALL BE APPROVED BY TI AUTHORITIES/OWNERS PRIOR TO COMMENCEMENT OF ANY WORK, ALL RESULTING COSTS SHALL TO BE INCLUDED IN THE CONTRACTOR'S COST/BID.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING ALL AREAS EXCAVATED OR FILLED

THE CONTRACTOR SHALL NOT TAKE ADVAN GE OF ANY APPLIES OF SEROR OMISSION ON THE PLANS OR SPECIFICATIONS. IN THE EVENT THE CONTRACTOR SHALL MMEDIATELY CALL UPON THE ENDIESE FOR HERE FERPETAT AND DECISION.

THE CONTRACTOR SHALL COMPLY WITH ALL LET ROAM ESTRICTIONS IN THE HALLING OF MATERIALS. ON PUBLIC ROADS/STREETS BEYOND THE LETTER BY WE A SPECIAL FAUL PERMIT WILL NOT RELIEVE THE CONTRACTOR OF LIABILITY FOR AN DAMAGE. ICH IN THE MOVING OF MATERIALS.

D VEGETATION, THE CONTRACTOR SHALL BI

CIVIL EROSION AND SEDIMENT CONTROL NOTES:

ALL SOIL AND EROSION CONTROL MEASURES SHALL CONFORM TO AND BE IN COMPLIANCE WITH THE CITY OF BREMEN, GEORGIA; CARROLL COUNTY, GEORGIA; AND THE IOWA DEPARTMENT OF NATURAL

ALL WATER POLLUTION CONTROL BEST MANAGEMENT PRACTICES (BMP'S) SHOWN ON THESE PLANS ARE AGRAMMATIC. THE CONTRACTOR SHALL DETERMINE ACTUAL LOCATIONS THAT ARE APPROPRIATE FOR EACH PHASE OF CONSTRUCTION

ALL SOIL AND EROSION CONTROL MEASURES SHALL CONFORM TO THE IOWA DEPARTMENT OF NATURAL RESOURCES (IOWADNR), LATEST ADDITION.

ALL PERIMETER SILT FENCE SHALL BE INSTALLED PRIOR TO ANY GRADING.

EROSION CONTROL MEASURES SHOULD BE CONSIDERED ALONG THE FACE OF EACH SLOPE. EROS CONTROL MEASURES TYPICALLY EMPLOYED WOULD INCLUDE SILT FENCES, INLET PROTECTION, DICCHECKS AND TIMELY SEEDING OR SODDING.

ALL REMOVABLE PROTECTIVE EROSION CONTROL DEVICES SHOWN SHALL BE IN PLACE AT THE END OF

AFTER A RAINFALL EVENT, ALL SILT AND DEBRIS SHALL BE REMOVED FROM ALL BMP'S.

GRADED AREAS AROUND THE PERIMETER MUST DRAIN AWAY FROM THE FACE OF THE SLOPE AT THE CONCLUSION OF EACH WORKING DAY.

DURING CONSTRUCTION, THE CONTRACTOR SHALL TAKE PRECAUTION TO ENSURE THAT SEDIMENTATION DAMAGE WILL NOT OCCUR. THE CONTRACTOR SHALL RESTRICT THE AMOUNT OF LAND AREA GRADED AT ANY ONE TIME TO A MIXIMUM. IT IS RECOMMENDED DURING AND AFTER GRADING, THAT A TEMPORARY VEGETATIVE COVER BE ESTABLISHED TO PROTECT THE BARE SOIL SURFACE.

THE CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATER CREATES A HAZARDOUS CONDITION.

THE ENGINEER RESERVES THE RIGHT TO MAKE CHANGES OR MODIFICATIONS TO THE EROSION AND SEDIMENT CONTROL PLAN AS DEEMED NECESSARY.

TEMPORARY EROSION PROTECTION IS REQUIRED FOR MANUFACTURED SLOPES PRIOR TO PERMANENT PLANTING.

AREAS SHALL BE MAINTAINED IN SUCH A STATE FOR FIRE ACCESS AT ALL TIMES (INCLUDING ACCESS TO NEIGHBORING PROPERTIES)

NO OBSTRUCTION OR DISTURBANCE OF NATURAL DRAINAGE COURSES OR EXISTING STORM DRAIN INLETS SHALL OCCUR, UNLESS ADEQUATE TEMPORARY/PERMANENT DRAINAGE FACILITIES HAVE BEEN APPROVED AND INSTALLED TO CARRY SURFACE WATER TO THE NEAREST PRACTICAL STREET, STORM DRAIN, OR NATURAL WATERCOURSE.

THE CONTRACTOR SHALL CONDUCT THEIR OPERATIONS IN SUCH A MANNER THAT STORM RUNOFF WILL BE THE RUNOFF AREA. STORM RUNOFF FROM ONE AREA SHALL NOT BE ALLOWED TO DIVERT TO ANOTHER RUNOFF WITH THE FROM ONE AREA. STORM RUNOFF FROM ONE AREA SHALL NOT BE ALLOWED TO DIVERT TO ANOTHER RUNOFF AREA.

ANY EROSION AND SEDIMENT CONTROL PLAN CONTAINED IN THE PROJECT PLANS SHOULD BE CONSIDERED A GENERAL GUIDELINE TO BE UTILIZED FOR EROSION CONTROL PREVENTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL EROSION AND DISPLACED SEDIMENT DOES NOT MIGRATE OFF SITE IF UNEXPECTED EROSION OR SEDIMENTATION OCCURS, OR IF THE EROSION PLAN STRUCTURES BECOME DAMAGED, THE CONTRACTOR SHALL PROVIDE SUFFICIENT MEASURES TO REPAIR, REPLACE, OR INSTALL BEROSION CONTROL. STRUCTURES TO ENSURE OFF-SITE DAMAGE DOES NOT OCCUR. ANY SEDIMENT OR EROSION COMPAGE WHICH OCCURS OFF-SITE SHALL BE REPAIRED BY THE CONTRACTOR AT HIS EXPENSE.

CONFORMANCE WITH THE REQUIREMENTS OF THESE PLANS SHALL IN NO WAY RELIEVE THE CONTRACTOR FROM THEIR RESPONSIBILITIES TO THE SITE AND ADJACENT PROPERTIES. TEMPORARY EROSION CONTROL SHALL CONSIST OF, BUT NOT LIMITED TO, CONSTRUCTING SUCH FACILITIES AND TAKING SUCH MEASURES AS ARE NECSSARY TO PREVENT, CONTROL AND ABATE WATER, MUD, AND EROSION DAMAGE TO PUBLIC AND PRIVATE PROPERTY AS A RESULT OF THE CONSTRUCTION OF THIS PROJECT.

FILL AREAS WHILE BEING BROUGHT UP TO GRADE AND DURING PERIODS OF COMPLETION PRIOR TO FINAL GADE, STATILLE BE PROTECTED BY VARIOUS MEASURES TO ELIMINATE EROSION AND THE SILTATION OF DOWNSTREAM FACILITIES AND ADJACENT AREAS. THESE MEASURES MAY INCLUE, BUT SHALL NOT BE LIMITED TO: TEMPORARY DOWNDRAINS, EITHER IN THE FORM OF PIPES OR PAVED DITCHES WITH PROTECTED OUTFALL AREAS, GRADED BERMS AROUND AREAS TO ELIMINATE EROSION OF FILL SLOPES BE SURFACE RUNOPP: CONFINED ROADING AREAS TO DESILT RUNOPP: TEMPORARY CHECK DANS IN THE TOWN. SUAFACE RUNDET; CUPEINED PUNDING AREAS TO DESILT RUNDET; TEMPORARY CHECK DAMS IN THE 1 SLOPE DITCHES TO DESILT RUNDET; PROTECTION SUCH AS SAND BAGS AROUND INLETS WHICH HAVE BEEN BROUGHT UP TO GRADE; AND BARTH BERNS AND APPROPRIATE GRADING TO DIRECT DEAR AWAY FROM THE EDGE OF THE TOP OF SLOPES SHALL BE CONSTRUCTED AND MAINTAINED ON PILL ARI WHERE EARTHWORK OPERATIONS AREA NOT IN PROGRESS.

CLEARING AND GRUBBING SHOULD BE LIMITED TO AREAS THAT WILL RECEIVE IMMEDI EGOSION CONTROL MEASURES WILL BE REQUIRED TO PROTECT AREAS THAT HAVE SEEN CLEAGURES BOY OF THE PROPERTY OF THE

PAVED SURFACES WITH ACCUMULATED MATERIALS SHALL BE WASHED AN EPT WITH MECHANICAL EQUIPMENT AFTER PAVEMENT IS CONSTRUCTED. BUT PR

THE CONTRACTOR SHALL PLACE FILTER FABRIC A STREETS OR PAVED AREAS SHALL BE REMOVED PRIOR

CITY APPROVAL OF THESE PLANS DOES NOT RELIES BILITY FOR THE REQUIRED PLAN REVISIONS SHALL BE PROMPTLY S

CIVIL SIGNAGE AND STRIPING NOTES:

E ENGINEERING REFLECTIVE SHEETING. ALL OTHER SIGNS

NDAL-RESISTANT HARDWARE

INSE MOUNTED SO THAT THE BOTTOM OF THE SIGN IS AT LEAST 6 FEET FROM AREAS WHERE PEDESTRIANS MAY BE PRESENT, EVEN IN AREAS WHERE NO HEAT, UNLESS OTHERWISE NOTED. TO SATISFY THIS REQUIREMENT, EXISTING POSTS LACED IF ADDITIONAL SIGNS ARE REQUIRED.

BLE, AT LEAST 2 FEET OF CLEARANCE SHALL BE PROVIDED FROM THE CURB FACE TO THE

ALL PERMANENT STRIPING AND PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED, YELLOW THERMOPLASTIC SHALL BE LEAD-FREE ORGANIC MATERIAL. ALL CURB MARKINGS SHALL

ALL STRIPING AND PAVEMENT MARKINGS SHALL BE REFLECTORIZED UNLESS OTHERWISE NOTED.

ALL EXISTING STRIPING AND PAVEMENT MARKINGS THAT CONFLICT WITH THE PROPOSED STRIPING AND

CIVIL PAVEMENT, SUB-GRADE, AND TRAFFIC CONTROL NOTES:

MATERIALS AND CONSTRUCTION TECHNIQUES SHALL BE IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR CONSTRUCTION PUBLISHED BY THE IOWA DEPARTMENT OF TRANSPORTATION (OWADD).

ALL GRADING SHALL BE DONE IN ACCORDANCE WITH THE CITY OF BREMEN REQUIREMENTS AND THE REQUIREMENTS PRESENTED IN THE CURRENT BUILDING CODE. THE CONTRACTOR SHALL FOLLOW ALL PROCEDURES, RECOMMENDATIONS, AND REQUIREMENTS CONTAINED IN THE REPORT, AND THESE REQUIREMENTS SHALL SUPERCEDE ALL INFORMATION AS NOTED ON THESE PLANS. THE CONTRACTOR SHALL NOTIFY THE EXGINEER IMMEDIATELY OF DISCREPANCIES BEFORE ANY ACTION IS TAKEN.

COMPACTION TESTING OF THE SUB-GRADE WILL BE PERFORMED BY THE CONTRACTOR.

ENTRANCE PAVEMENT SHALL BE COORDINATED WITH THE CITY OF BREMEN PRIOR TO CONSTRUCTION

ALL TRAFFIC CONTROL (INCLUDING, BUT NOT LIMITED TO WORK ZONE, TEMPORARY, OR PERMANENT) SHALL

CONTRACTOR TO REMOVE ALL EXISTING ITEMS (CONC. WALK CONC. PAD, POSTS, PAVEMENT, TREES, SHRUBS, ETC.) THAT INTERFERE WITH NEW CONSTRUCTION, AT NO ADDITIONAL COST TO THE CONTRACT.

THE CONTRACTOR MUST SUBMIT A MAINTENANCE OF TRAFFIC PLAN AT LEAST FIVE (5) WORKING DAYS PRIOR TO RESTRICTION OR CLOSURE OF ANY STREET.

CIVIL GRADING, EARTHWORK, AND BACKFILL NOTES:

ALL GRADING SHALL BE DONE IN ACCORDANCE WITH THE CITY OF BREMEN REQUIREMENTS, THE GUIDELINE PRESENTED IN THE CURRENT RUILDING CODE, AND THE GEOTECHNICAL REPORT THE CONTRACTOR SHALL FOLLOW ALL PROCEDURES. RECOMMENDATIONS, AND REQUIREMENTS CONTAINED IN THE CODE AND REPORT AND THESE REQUIREMENTS SHALL SUPERCEDE ALL INFORMATION AS NOTED ON THESE PLANS. TI CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY OF DISCREPANCIES BEFORE ANY ACTION IS TAKEN

ALL IMPORTED MATERIAL SHALL BE APPROVED BY AN EXPERIENCED GEOTECHNICAL ENGINEER OR THEIR

AREA TO BE CUT OR TO RECEIVE FILL SHOULD BE STRIPPED OF SURFACE VEGETATION AND ORGANIC THE STRIPPING SHOULD BE REMOVED FROM THE BUILDING OR PAVEMENT AREA AND STOCKPILED BY PLACEMENT IN LANDSCAPED OR COMMON GROUND AREAS, AS APPROPRIATE. ORGANIC TOPSGLI RE-USED AS FILL, IF THOROUGHLY MIXED WITH OTHER, ACCEPTABLE, NON-ORGANIC, FILL MATER APPROVED BY THE EXCINENCE.

FILL AREAS IN PAVEMENT AND BUILDING AREAS SHALL BE PLACED TO AT LEAST 59% OF STANDARD PROCTER MAXIMUM DRY DENSITY (ASTM D698). THE UPPER 9 INCHIEF ATTVE S AREAS AND DETENTION BASIN FILL AREAS SHALL BE RECOMPACTED TO AT LEAST STANDARD PROCTER MAXIMUM DRY DIENSITY (ASTM D698).

COMPACTION TESTS ARE REQUIRED FOR EACH FILL LIFT. NO 12 TO EXCEED 12" RESPONSIBLE FOR ALL PROCTOR AND COMPACTION TEST ON AND FILLS.

ALL DUST SHALL BE CONTROLLED BY WATERING WHEN NECESS

THE CONTRACTOR SHALL REMOVE ALL VEGETATION TO ANY GRADING

THE SUB-GRADE OF ALL FOUNDATION AREAS SHAGEOTECHNICAL ENGINEER OR THEIR TO PERSENTA FILL MATERIAL. VED BY AN

ALL GRADES SHALL BE TO WITTEN +/- 1 INCI GRADING PLAN WHILE MAINTAINING

CIVIL ACCUSIBILITY NOTES:

ERAL AMERICANS WITH DISABILITIES ACT (ADA

APS ARE DEFI SY WALKWAY BETWEEN SLOPES 1:20 OR 5.00% AND 1:12 OR 8.33% AND SHALL HAVE A MUM CLEAR WIDTH OF 3 FEET AND A MAXIMUM CROSS-SLOPE OF 1:50 OR 2.00%. RAMPS EXCEED HES OF VERTICAL CHANGE SHALL HAVE INTERMEDIATE (2.00% MAX. SLOPE) LANDINGS HAVING A MI FTH IN THE DIRECTION OF TRAVEL OF 60 INCHES. BOTTOM LANDINGS SHALL HAVE A MINIMUM LEN

THE MAXIMUM CROSS-SLOPE ON ANY WALK OR RAMP SHALL BE 2.00%. ALL ACCESSIBLE PARKING SPACES AND

ALL ACCESSIBLE ROUTES OF TRAVEL SHALL HAVE A MINIMUM OF THREE (3) FOOT CLEAR WIDTH FOR ACCESSIBLE CONFORMANCE, UNLESS OTHERWISE NOTED PER THE PLANS.

TRUNCATED DOMES AS DETECTABLE WARNINGS MAY BE REQUIRED ON WALKS THAT CROSS OR ADJOIN A VEHICULAR WAY WITHOUT A VERTICAL SEPARATION BETWEEN THE WALKWAY AND VEHICULAR WAY.

CITY OF BREMEN, CORROLL COUNTY, AND GEORGIA DOT CONSTRUCTION NOTES:

CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE CITY OF BREMEN, CARROLL COUNTY, AND/OR GEORGIA DOT AT LEAST 48 HOURS PRIOR TO POURING CONCRETE, INSTALLING STORM SEWER, INSTALLING SANTIARY SEWER, OR OTHERWISE PROVIDING SUCH ADVANCE MOTICS AS MAY BE REQUIRED BY THESE JURISDICTIONS.

ALL WORK, MATERIALS, AND INSTALLATION SHALL NOT BE DEEMED SATISFACTORY UNTIL SUCH TIME AS ALL

THE CONTRACTOR SHALL PROCEED AT THEIR OWN RISK IN PERFORMING ANY WORK PRIOR TO VERIFYING OR RECEIVING ALL NECESSARY PERMITS FOR THE WORK TO BE COMPLETED.

CONTRACTOR SHALL BE REQUIRED TO REMOVE AND REPLACE ANY SIGNS THAT NEED TO BE MOVED TO COMPLETE THE WORK. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.

THE CONTRACTOR SHALL TAKE ALL REASONABLE PRECAUTIONS TO PROTECT ALL EXISTING UTILITIES.

ALL DISTURBED AREAS WITHIN THE CITY OF BREMEN, CARROLL COUNTY, AND GEORGIA DOT RIGHT OF WAY SHALL BE RESTORED PER THEIR REQUIREMENTS.

CIVIL STORM AND DRAINAGE NOTES:

STORM AND DRAINAGE SYSTEM CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CITY OF BREMEN STANDARD SPECIFICATIONS AND STANDARD DRAWINGS, LATEST EDITION.

STORMWATER AND ALL OTHER UNPOLLUTED DRAINAGE SHALL BE DISCHARGED INTO SUCH SEWERS AS ARE SPECIFICALLY DESIGNED AS STORM SEWER OR TO A NATURAL OUTLET.

ALL STORM SEWER SHALL BE DISCHARGED AT AN ADEQUATE NATURAL DISCHARGE POINT. SINKHOLES ARE NOT

ALL STORM SEWER STRUCTURES AND BEDDING REQUIRED FOR STORM SEWER PIPE SHALL BE CONSTRUCTED ACCORDANCE WITH THE CITY OF BREMEN STANDARDS, LATEST EDITION.

ALL TRENCHES UNDER AREAS TO BE PAVED AND UNDER EXISTING PAVED AREAS SHALL BE BACKFI PLACED IN ACCORDANCE WITH THE CITY OF BREMEN STANDARDS.

ALL TRENCH BACKFILL UNDER PAVEMENT WITHIN PUBLIC RIGHT OF WAY SHALL BE CANUSE BACTRENCH BACKFILL UNDER PAVED AREAS AND OUTSIDE OF PUBLIC RIGHT OF WAY ALL BE GRANT BACKFILL IN LIEU OF EARTH BACKFILL COMPACTED TO 90% OF THE MODIFIED AASHTO TO COMPACTION ASTM DAISY.

JETTING IS NOT AN ACCEPTABLE METHOD OF ACHIEVING BACKFILL COMPACTION. ALI SHALL BE MECHANICALLY COMPACTED TO AT LEAST 95% OF THE \$1.5 STANDAR DRY DENSITY.

MINIMUM COVER OVER PVC PIPE SHALL BE ONE FOOT FROM THE LOP OF RIGI BOTTOM OF FLEXIBLE ROADWAY SURFACES. AT SHOW DEPTHS OF COVER CLASS II MATERIAL PER ASTM DOWN WITH A MINIMUM FOR PROSE A DENSITY

CIVIL SANITARY SEXER NATES:

ALL BE IN ACCORDANCE WITH THE STANDARDS

PVC AS PER INDICATED ON THE PLANS AND SHALL BE IN IN ACCORDANCE WITH ASTM D3212.

OTH AIR AND MANDREL TESTED IN ACCORDANCE WITH THE TESTING FICATIONS OF THE CITY OF BREMEN SANITARY SEWER DIVISION FOR ALL

NHOLES LOCATED IN OR ADJACENT TO DRAINAGE WAYS SHALL BE PROVIDED WITH

DRAINS, IF INSTALLED, SHALL NOT CONNECT TO THE SANITARY SEWER.

THOLE LIDS MAY BE ADJUSTED WITH ADJUSTING RINGS UP TO 12 INCHES. THE CONTRACTOR SHALL BE PONSIBLE FOR ANY AND ALL ADJUSTMENTS UP TO AND INCLUDING 12 INCHES.

FOUR (4) OR SIX (6) INCH WYE FITTINGS WITH FOUR (4) OR SIX (6) INCH LATERALS SHALL BE CONSTRUCTED FROM THE SANTARY SEWER MAIN TO THE BUILDING LINE AT THE ELEVATION INDICATED. EACH LATERAL SHALL EXTERD AT A 45° ANGLE TO THE SEWER MAIN AND EXTERD UPWARD TO APPROXIMATELY ONE (I) FOOT FROM THE SANTARY MAIN FLOWLINE TO THE LET

CIVIL WATERMAIN NOTES:

ALL WATERMAIN CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE STANDARDS SPECIFICATIONS FOR CITY OF BREMEN WATER DEPARTMENT.

WATER MAIN SHALL HAVE A MINIMUM COVER OF 42" FROM FINISHED GRADE TO TOP OF PIP.

ALL WATER PIPE SHALL BE CONSTRUCTED OF POLY-VINYL (P.V.C.) PIPE CONFORMING TO NSF STANDARD 14 AND THE PIPE SHALL CONFORM TO ASTM D2241 AND SHALL BE CONSTRUCTED OF PIPING MATERIAL. DESIGNED AS CLASS (24548 (PVC 1120). THE PIPE SHALL HAVE A STANDARD DIMENSION RATIO (SDR) OF 18.

ETO SILLE RATING SALL BE IN ACCORDANCE WITH ASTM BY 1876 (FVC). JOINTS FOR PVC WATER MAIN SHALL BE TO SILLE SALL BE TO SALL BE TO ASTM DISTORMENT OF THE STANDARD SPECIFICATION FOR JOINTS FOR PLASTIC PRESSURE IPPES USING FLEXIBLE ELASTOMBRIC SEALS. ALL 1-1/2" DOMESTIC WATER SERVICE LINES SHALL BE FEXIBLE PIPES. TO COPPER.

BEVELED SPIGOT ENDS MUST HAVE A MINIMUM BEVEL OF 8 DEGREES TO A MAXIMUM BEVEL OF 15 DEGREES. THE VERTICAL FACE OF THE SPIGOT END MAY NOT EXCEED 75% OF PIPE WALL THICKNESS AND THE HORIZONTAL LENGTH OF THE BEVEL SHALL NOT EXCEED 125 INCHES, FIELD BEVELED SPIGOT END SHALL BE MADE PER MANUFACTURERS RECOMMENDATION AND AS APPROVED BY CITY OF BREMEN WATER DEPARTMENT. THE DEGREE OF BEVEL SHALL BE APPROVED FOR THE TYPE OF PIPE BEING INSTALLED.

WATER PIPE SHIPPING, HANDLING & STORAGE - THE FRONT END OF ALL PIPE DELIVERED BY TRUCK SHALL BE WATER THE SHITTAN, FANDLING & STORAGE THE FRANT EDUC OF ALL PIPE DELIVERED BY INCLUS SHALL BY COVERED FOR PROTECTION AGAINST EXHAUST FORMS. PIPE SHALL BE PROTECTED FROM EXPOSUED TO SUNLIGHT ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. PIPE WILL NOT BE ACCEPTED FO INSTALLATION IF DISCOLORATION IS EVIDENT DUE TO SUNLIGHT OR OTHER EXPOSURE. PIPE SHALL BE STORED IS SUCH A MANNER TO PREVENT BEAMING THE PIPE.

TRACING WIRE FOR ALL WATER MAINS, INCLUDING OUT-OF-SERVICE STUBS INTENDED FOR FUTURE EXTENSION, SHALL BE INSTALLED WITH COPPER TRACING WIRE (PVC COATED) TAPED TO THE TOP OF THE PIPE EVERY 5'. MAXIMUM TRACING WIRE LEAGHT SHALL BE SOO WITHOUT TERMINATING IN A CURB STOP BOX. CURB STOP BOX. CURB STOP BOX. CURB STOP BOX. EVER STOP BOX. CURB STOP BOX. CURB STOP BOX. EVER SHALL NOT BE LOCATED IN THE PAYEMENT AREAS. SPLICES IN THE TRACING WIRE SHALL BE KEPT TO A MINIMUM AND APPROVED BY THE WATER DEPARTMENT. IS PLICES ARE REQUIRED THEY SHALL BE MADE WITH COPPER SPLIT BOLT. (LISCO BILS OR APPROVED EQUAL.) AND TAPED WITH ELECTRICAL TAPE. JUMPER WIRES MUST BE RUN FROM THE MAIN TRACING WIRE AND SECURED TO ALL WATER METER SERVICE LINES.

ALL WORK PERFORMED ON ANY WATER LINES AND/OR APPURTENANCES THAT ARE OWNED OR ANTICIPATED TO BE OWNED BY CITY OF BREMEN WATER DEPARTMENT SHALL BE COMPLETED UNDER THE DIRECTION OF BREMEN WATER DEPARTMENT ADDERING TO AN ACCEPTABLE PLAN APPROVED BY CITY OF BREMEN WATER DEPARTMENT. A MINIMUM 24 HOURS NOTICE SHALL BE GIVEN TO THE WATER DEPARTMENT BY THE CONTRACTOR PRIOR TO THE START OF WATER LINE WORK, ONE SET OF APPROVED PLANS SHALL BE ON THE IOB SITE DURING CONSTRUCTION. WATER LINE CONSTRUCTION WILL NOT BE PERMITTED TO START UNTIL ALL APPROVALS ARE RECEIVED. THERE SHALL BE NO DEVIATION FROM THE APPROVED PLANS WITHOUT WRITTEN APPROVAL FROM THE WATER DEPARTMENT.

REYLING DESIGN & CONSULTING

4516 Boardwalk | Smithton, IL | 62285 reylingdc@gmail.com



LICENSE EXPIRES - 12.31.2018 DATE SIGNED - 10.30.2018

ENGINEER OF RECORD: Todd J. Reyling, PE Georgia PE 041448

ISSUED / REVISED DATE SSUED FOR REVIEW 10.30.2018 PROJECT NUMBER: 18-163

> Road Davis R 30110 Junty GA: Alabama Ave. 8 Bremen, G Carroll C

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Civil Construction Notes

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