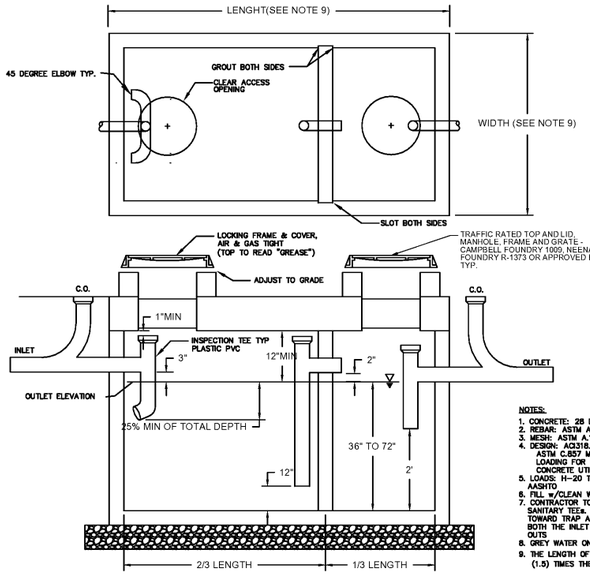
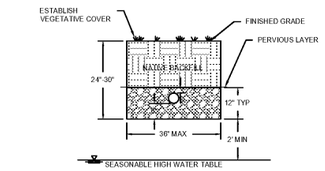


GREASE TRAP

NOT TO SCALE

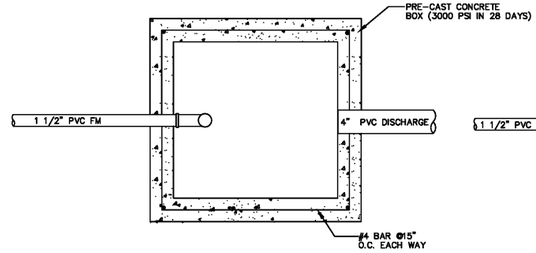
NOTES:
1. CONCRETE: 28 DAY /= 4500 psi
2. REBAR: ASTM A615 GRADE 60
3. MESH: ASTM A.185 GRADE 65
4. DESIGN: AG318.83 BUILDING CODE ASTM C.857 MINIMUM STRUCTURAL DESIGN LOADING FOR UNDERGROUND PRECAST CONCRETE UTILITY STRUCTURES
5. LOADS: H-20 TRUCK WHEEL w/30% IMPACT PER AASHTO
6. FILL w/CLEAN WATER PRIOR TO START UP OF SYSTEM
7. CONTRACTOR TO SUPPY & INSTALL ALL PIPING AND SANITARY TEEs, 4 CLEAN OUTS, FOR CLEANING TOWARD TRAP AND FOR CLEANING AWAY FROM TRAP ON BOTH THE INLET AND OUTLET / ALT. DUAL SWEEP CLEAN OUTS
8. GREY WATER ONLY, BLACK WATER SHALL BE CARRIED.
9. THE LENGTH OF THE TANK SHALL BE ONE AND ONE HALF (1.5) TIMES THE WIDTH



NOTES:
1. ABSORPTION LINES AND ABSORPTION TRENCH BOTTOMS SHALL BE TRUE TO GRADE.
2. ABSORPTION LINE LATERALS SHALL BE SPACED A MINIMUM OF SEVEN FEET APART, CENTER TO CENTER.
3. PERFORATED PIPE SHALL BE LAID IN THE CENTER OF THE TRENCH WITH THE PERFORATIONS ORIENTED TOWARD THE BOTTOM OF THE TRENCH.
4. A LAYER OF PERVIOUS BUILDING PAPER, STRAW OR SIMILAR PERMEABLE MATERIAL APPROVED BY THE TECHNICAL REVIEW COMMITTEE SHALL BE PLACED OVER THE AGGREGATE BEFORE BACK FILLING.
5. APPROVED SOLID PIPE AND FITTINGS WITH SEALED, WATERTIGHT JOINTS SHALL BE USED FOR HORIZONTAL AND VERTICAL CHANGES IN DIRECTION OR GRADE AND TO CROSS UNDER ROADWAYS OR PAVED AREAS. SECTIONS OF SOLID PIPE SHALL NOT BE CONSIDERED IN DETERMINING THE TOTAL ABSORPTION TRENCH BOTTOM AREA.
6. EXCAVATION FOR ABSORPTION TRENCHES IN SOILS OTHER THAN SANDS SHALL NOT BE CONDUCTED WHEN WET DUE TO THE POTENTIAL IRREVERSIBLE DAMAGE TO SOIL STRUCTURE, SUCH AS COMPACTION AND SMEARING.

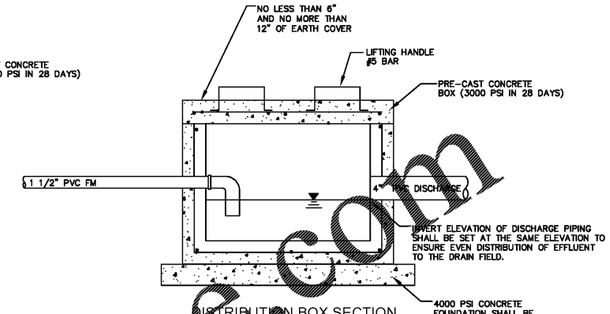
TYPICAL DRAIN FIELD LATERAL TRENCH

NOT TO SCALE



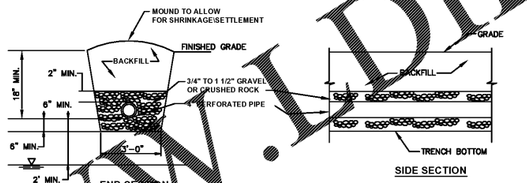
DISTRIBUTION BOX - PLAN VIEW

NOT TO SCALE



DISTRIBUTION BOX SECTION

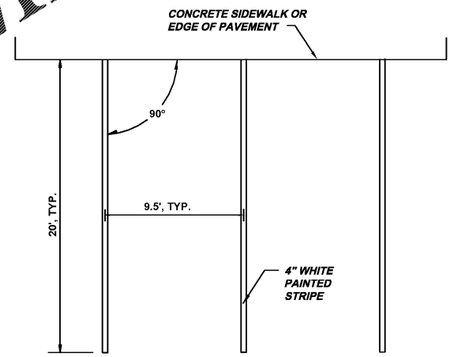
NOT TO SCALE



NOTE:
1: PERFORATE PIPE SHALL HAVE A 1,000 LB CRUSH STRENGTH ACCORDING TO ASTM-F405 STANDARDS
2: EACH SECTION OF PIPE SHALL BE PLAINLY MARKED SHOWING TYPE, TOP DENOTATION, MANUFACTURER, AND THAT IT MEETS ASTM STANDARDS
3: AGGREGATE BELOW PERFORATED PIPE SHALL HAVE A MINIMUM INTERNAL DIAMETER OF 4"
4: PIPE SHALL HAVE AT LEAST 2 ROWS OF HOLES BETWEEN 1/2 INCH AND 3/4 INCH DIA. EVENLY SPACED WITHIN AN ARC OF 120 DEGREES ON THE BOTTOM OF THE PIPE WITH A THIRD HOLE OF THE SAME DIA. BEING DIRECTLY OPPOSITE THE TOP MARKING.
5: LONGITUDINAL SPACING OF HOLES SHALL BE EVERY 4 INCHES ON CENTERS ALONG THE LENGTH OF PIPE

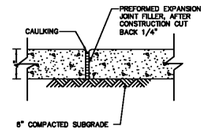
NITRIFICATION TRENCH

NOT TO SCALE

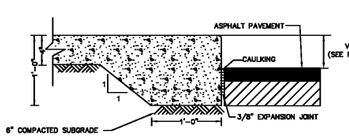


90° PARKING STALLS

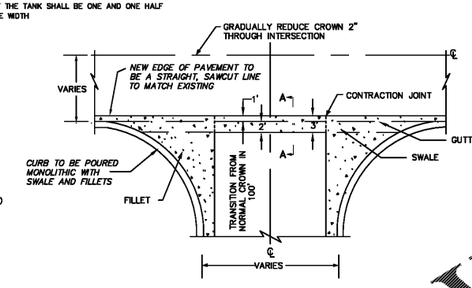
NOT TO SCALE



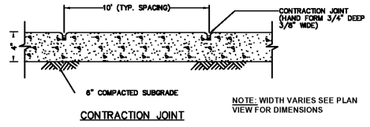
TYP. EXPANSION JOINT



ADJACENT TO PAVEMENT



PLAN VIEW

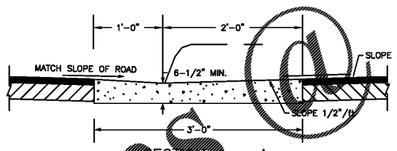


NOTE: WIDTH VARIES SEE PLAN VIEW FOR DIMENSIONS

CONTRACTION JOINT

SIDEWALK SECTIONS

NOT TO SCALE

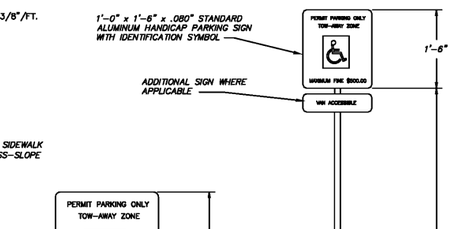


SECTION A — A

NOTES:
1. WHERE SPECIFIED, DEPRESS THE CURB FOR INSTALLATION OF ADA COMPLIANT CURB RAMPS. WHERE A SIDEWALK CROSSES AT THE DRIVEWAY, THERE MUST BE A 4' WIDE ACCESSIBLE PATH WITH NO MORE THAN 2% CROSS-SLOPE BETWEEN THE CURB RAMP PER GA CODE 120-3-20-14(7).
2. COMPACT BASE AND SUB-BASE TO 100% STANDARD (ASTM D-698)
3. CONCRETE IN THE YARD TO BE 4000PSI AND REINFORCED WITH FIBERMESH OR STEEL.
4. ALL PAVEMENT AND CONCRETE CUTS MUST BE STRAIGHT, SAWCUT LINES.

CONCRETE SWALE WITH FILLETS

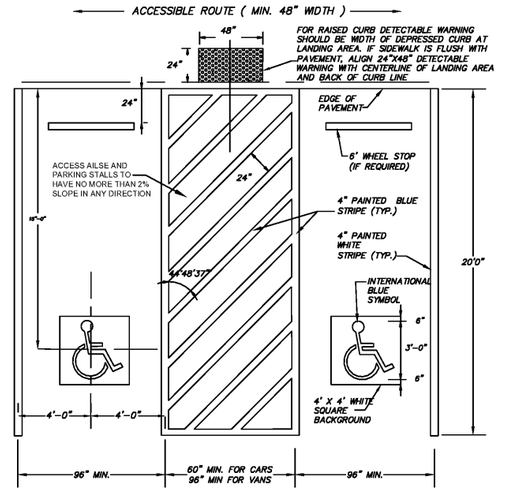
NOT TO SCALE



NOTE:
SIGNAGE SHALL CONFORM TO ALL APPLICABLE FEDERAL, STATE AND CITY OF RINCON CODES AND SPECIFICATIONS

HANDICAP PARKING SIGN DETAIL

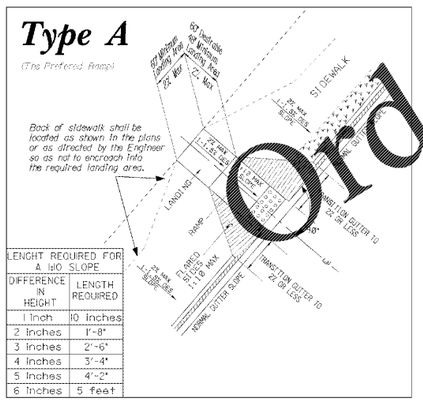
NOT TO SCALE



NOTE:
1. STRIPING AND CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE FEDERAL, STATE AND CITY OF RINCON CODES AND SPECIFICATIONS.
2. ALL PAVEMENT MARKINGS AND STRIPING IN THE RIGHT-OF-WAY SHALL BE THERMOPLASTIC.

ADA HANDICAP PARKING SPACE STRIPING DETAIL

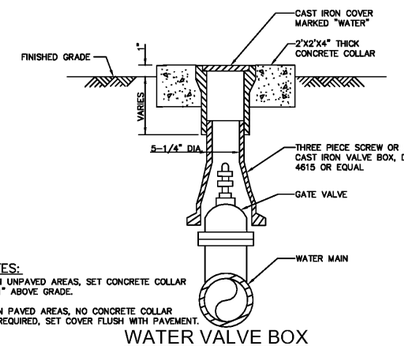
NOT TO SCALE



LENGHT REQUIRED FOR A 1:10 SLOPE	
DIFFERENCE IN HEIGHT	LENGTH REQUIRED
1 Inch	10 Inches
2 Inches	1'-8"
3 Inches	2'-6"
4 Inches	3'-4"
5 Inches	4'-2"
6 Inches	5 feet

HANDICAP RAMP DETAIL

NOT TO SCALE



NOTES:
1. IN UNPAVED AREAS, SET CONCRETE COLLAR 1" ABOVE GRADE.
2. IN PAVED AREAS, NO CONCRETE COLLAR REQUIRED, SET COVER FLUSH WITH PAVEMENT.

WATER VALVE BOX

NOT TO SCALE

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NO.	REVISION DESCRIPTION	BY	DATE

GEORGIA REGISTERED No. PROFESSIONAL ENGINEER JEREMY ROBERT HART

EMC ENGINEERING SERVICES, INC.
PO Box 2066
1211 Merchant Way, Suite 201
Statesboro, GA 30458
Ph: (912) 764-7022
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Email: jeremy@emc-eng.com
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CIVIL
MARINE
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CONSTRUCTION DETAILS

PATEL CONVENIENCE STORE
BLUE JAY & McCALL ROAD
RINCON, GEORGIA
Prepared for:
VIPULKUMAR PATEL

PROJECT NO.:	20-0025
DRAWN BY:	JCH
DESIGNED BY:	MDM
SURVEYED BY:	EMC
SURVEY DATE:	FEBRUARY 2016
CHECKED BY:	JRH
SCALE:	-
DATE:	APRIL 2020

SHEET 16 OF 17