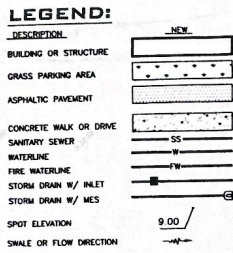


LOCATION MAP



- GENERAL STATEMENTS:**
THIS PROPOSED PROJECT CONSISTS OF THE CONSTRUCTION OF A 11,616 SF CHURCH ON A 20.27 ACRE SITE. THE BUILDING CONSISTS OF A 4,404 SF SANITARY AND FIVE CLASSROOMS. THE CLASSROOMS ARE FOR SUNDAY SCHOOL, ONLY AND NURSERY DURING SERVICES ONLY. DAYCARE OR OTHER DAY SERVICES ARE NOT PLANNED FOR THE SITE. THE EAVE HEIGHT OF THE BUILDING IS 14 FEET. THE SITE CONSISTS OF UPLANDS WITH ASPHALTIC DRIVEWAYS AND PARKING, DUMPSTER PAD AND ENCLOSURE, AND TWO DRY RETENTION STORMWATER TREATMENT SYSTEMS. THE ZONING IS I-1 INSTITUTIONAL USE.
- OWNER:**
UNITED CHURCH OF CHRIST CONGREGATIONAL
DICK BRINCHAM
1980 PALM BAY ROAD
PALM BAY, FLORIDA 32905
- ENGINEER:**
CONSTRUCTION ENGINEERING GROUP
JAKE T. WISE, P.E.
1751 SARNO ROAD, SUITE 5
MELBOURNE, FLORIDA 32935
TEL: (321) 253-1221 FAX: (321) 253-3123
E-MAIL: CHCE@GMAIL.COM
- LOCATION:**
451 RIVIERA DRIVE, PALM BAY, FLORIDA 32905
SECTION 29, TOWNSHIP 28S, RANGE 37E
- SO FOOTAGE**
CALCULATED LOT COVERAGES
IMPERVIOUS AREA - 50.042
PERVIOUS AREA - 87.817
TOTAL GROSS AREA - 137.859
- FLOOD PLAN ZONE X PER FEMA FLOOD INSURANCE RATE MAP NO. 12009C0520 E (AREA DETERMINED TO BE OUTSIDE 500-YEAR FLOOD PLAN)**
- FIRE FLOW CALCULATIONS:**
11,616 SF TYPE IV METAL BUILDING (C=0.8)
SPRINKLERED BUILDING - 25%
EXPOSURE DISTANCES: N/A
BASE FLOW: (11,616 SF * 0.5) / (18) (0.8) = 1552 GPM
TOTAL FLOW: (1552 GPM) * (25%) = 1164 GPM
2 HYDRANTS REQUIRED, 2 NEW HYDRANTS PROVIDED
- PARKING SPACE CALCULATIONS:**
TOTAL SPACES IN SANITARY - 216 / 3 SP = 72 SPACES
5 CLASSROOMS = 5 X 1 SP = 5 SPACES
TOTAL PARKING REQUIRED = 77 SPACES INCLUDING 3 HANDICAPPED SPACES
TOTAL PARKING PROVIDED = 78 SPACES INCLUDING 4 HANDICAPPED SPACES

- NOTES:**
- PROVIDE PAINTED, WHITE 24" WIDE STOP BAR PER FOOT INDEX NO. 17346 (2 TYP ON-SITE)
 - PROVIDE THERMOPLASTIC WHITE 24" WIDE STOP BAR, THERMOPLASTIC 6" WIDE DOUBLE YELLOW CENTERLINES (20' LONG), AND THERMOPLASTIC WHITE DIRECTIONAL ARROWS (2 TYP) PER FOOT INDEX NO. 17346.
 - PROVIDE HANDICAP ACCESSIBLE RAMP, 6" LONG WITH 1:12 SLOPE AND TACTILE SURFACE PER FOOT INDEX NO. 304 (3 TYP ON-SITE)
 - PROVIDE PAINTED WHITE ARROW PER FOOT INDEX NO. 17346 (4 TYP ON-SITE)
 - PROVIDE CONCRETE BUMPER GUARD PER FOOT STANDARD INDEX 200 (TYP)
 - ALL BUMPER GUARDS SHALL BE INSTALLED AT THE HEAD OF ALL STALLS 16" IN LENGTH AND 2' FROM HEAD OF STALL IN 18' LONG STALLS.
 - PROVIDE PAINTED WHITE 6" WIDE PERIMETER STRIPE AND 4" WIDE 45° ANGLE STRIPES SPACED 2' O.C.
 - PROVIDE 4" WIDE WHITE PAINTED STRIPE (TYP)
 - PROVIDE STOP SIGN PER MUTCD R1-1 (3 TYP)
 - PROVIDE HANDICAP PARKING SPACE. SEE DETAIL ON DWG. C-3 (4 TYP)
 - PROVIDE BOLLARD (3 TYP) SEE DETAIL INDICATED. BOLLARD SHALL NOT INTERFERE WITH OPERATION OF FID. FH, OR DR.
 - PROVIDE SIDEWALK. SEE DETAIL INDICATED.
 - PROVIDE DUMPSTER ENCLOSURE AND CONCRETE APRON. SEE DETAIL INDICATED.
 - PROVIDE DRIVEWAY/PARKING ASPHALTIC PAVEMENT ON-SITE. SEE DETAIL INDICATED.
 - PROVIDE 482' 10" OF PVC WATER LINE.
 - PROVIDE 2212' OF 2" PVC WATER LINE.
 - PROVIDE 2" GATE VALVE AND 1" REDUCED PRESSURE BACKFLOW PREVENTER WITH WATER. SEE DETAILS ON DWG. C-4.
 - PROVIDE 10" x 6" REDUCER, 6" GATE VALVE, 6" DOUBLE DETECTOR CHECK VALVE, PW, AND FIRE DEPARTMENT CONNECTION. SEE DETAILS ON DWG. C-4.
 - PROVIDE FIRE HYDRANT ASSEMBLY. SEE DETAIL ON DWG. C-4.
 - SEE PLUMBING DRAWINGS FOR CONTINUATION (TYP)
 - PROVIDE 182' OF 4" PVC SANITARY SEWER LINE AT MINIMUM 1% SLOPE
 - PROVIDE SANITARY CLEANOUT SPACED MINIMUM 75' APART. SEE DETAIL ON DRAWING C-4.
 - PROVIDE 12" x 10" TAP, TEMPORARY JUMPER AND 10" GATE VALVE. SEE DETAILS ON DWG. C-4.
 - PROVIDE FORCE MAIN TAP AND 2" FORCE MAIN VALVE. SEE DETAIL ON DRAWING C-5.
 - PROVIDE ASPHALTIC DRIVEWAY WITH CONCRETE BARRIER CURB IN RIVIERA DRIVE RIGHT-OF-WAY PER CITY OF PALM BAY DETAIL ON DWG. C-5.
 - PROVIDE JACK AND BORE BENEATH RIVIERA DRIVE FOR INSTALLATION OF NEW WATER LINE. SEE DWG. C-4 FOR DETAIL. CASING SIZE SHALL BE PER PALM BAY STANDARDS.
 - PROVIDE 4203' OF 6" PW LINE.
 - PROVIDE LIFT STATION WITH FENCED ENCLOSURE (6' DUAL SWING GATES) AND 10 FOOT WIDE STABILIZED DRIVE. SEE DWG. C-3 AND C-6 FOR DETAILS.
 - PROVIDE STABILIZED DRIVE PARKING. SEE DETAIL INDICATED.
 - PROVIDE ANCHORED TIE-BARS AT END OF PAVED AREA (TYP) ANCHOR TIMBERS W/ 2" #4 BARS EACH. PROVIDE 2" WIDE OPENINGS BETWEEN TIMBERS ALONG NORTH SIDE OF ENTRANCE DRIVEWAY TO ALLOW DRAINAGE INTO RETENTION POND. ONE OPENING MUST BE LOCATED AT LOW POINT (ALREADY INDICATED ON DWG. C-2).
 - PROVIDE WHITE THERMOPLASTIC HIGH EMPHASIS CROSSWALK PER FOOT INDEX 2246. STORIES SHALL BE 12" WIDE 24" HIGH.
 - PROVIDE STOP SIGN PER MUTCD R1-1. SEE DETAIL ON DWG. C-5.
 - PROVIDE FOOT TYPE 'D' CURB PER INDEX NO. 300 (TYPICAL). PROVIDE 2" WIDE CURB CUT ADJACENT TO STOP SIGN TO DRAIN LANDSCAPE ISLAND ONTO DRIVEWAY.
 - POINT OF SERVICE FOR AUTOMATIC SPRINKLER SYSTEM SHALL BE LOCATED IN BUILDING.

CONSTRUCTION ENGINEERING GROUP
1751 SARNO ROAD, SUITE 5, MELBOURNE, FLORIDA 32935 TEL: (321) 253-1221

UNITED CHURCH OF CHRIST CONGREGATIONAL
HOLEMAN SUMAN ARCHITECTS, INC. MELBOURNE, FLORIDA 32901
2101 WAVERLY PLACE, SUITE 100, MELBOURNE, FLORIDA 32901

SITE AND UTILITIES PLAN

ENGINEER OF RECORD
J. WISE
6/18/20

DATE: 3-11-02
SCALE: 1"=20'
PROJ. NO.: HSA-01143
DESIGNED BY: J. WISE
DRAWN BY: J. WISE
CHECKED BY: J. WISE
DRAWING NO.: C-1
SHEET: 01 OF 02

LEGAL DESCRIPTION:
LOT 35, SUBDIVISION OF SECTION 29, TOWNSHIP 28 SOUTH, RANGE 37 EAST, PLAT OF FLORIDA HOLEMAN RIVER LAND COMPANY, A SUBDIVISION ACCORDING TO THE PLAT THEREOF, RECORDED IN PLAT BOOK 1, PAGE 154, PUBLIC RECORDS OF BREVARD COUNTY, FLORIDA.

SITE AND UTILITIES PLAN

LOT 35, SUBDIVISION OF SECTION 29, TOWNSHIP 28 SOUTH, RANGE 37 EAST, PLAT OF FLORIDA HOLEMAN RIVER LAND COMPANY, A SUBDIVISION ACCORDING TO THE PLAT THEREOF, RECORDED IN PLAT BOOK 1, PAGE 154, PUBLIC RECORDS OF BREVARD COUNTY, FLORIDA.

HSA HOLEMAN SUMAN ARCHITECTS, INC.
1140 GARDNER ROAD, SUITE 100, MELBOURNE, FLORIDA 32901
TEL: (321) 253-1221 FAX: (321) 253-3123
WWW.HSA-ARCHITECTS.COM

DATE APPROVED: 7/9/02
BY: [Signature]
TITLE: [Signature]

NOTE: THE APPROVED IN THIS CASE REFERS TO THE PLAN AND NOT TO THE PROJECT. THE PROJECT IS SUBJECT TO THE CITY OF PALM BAY STANDARDS AND REGULATIONS.

CALC. PLAT
1507.20'
CALC. PLAT
1327.04'

CALC. PLAT
1326.88'

Palm Bay
PERMIT NUMBER
02 01771

10/16