



**UTILITY NOTIFICATION**

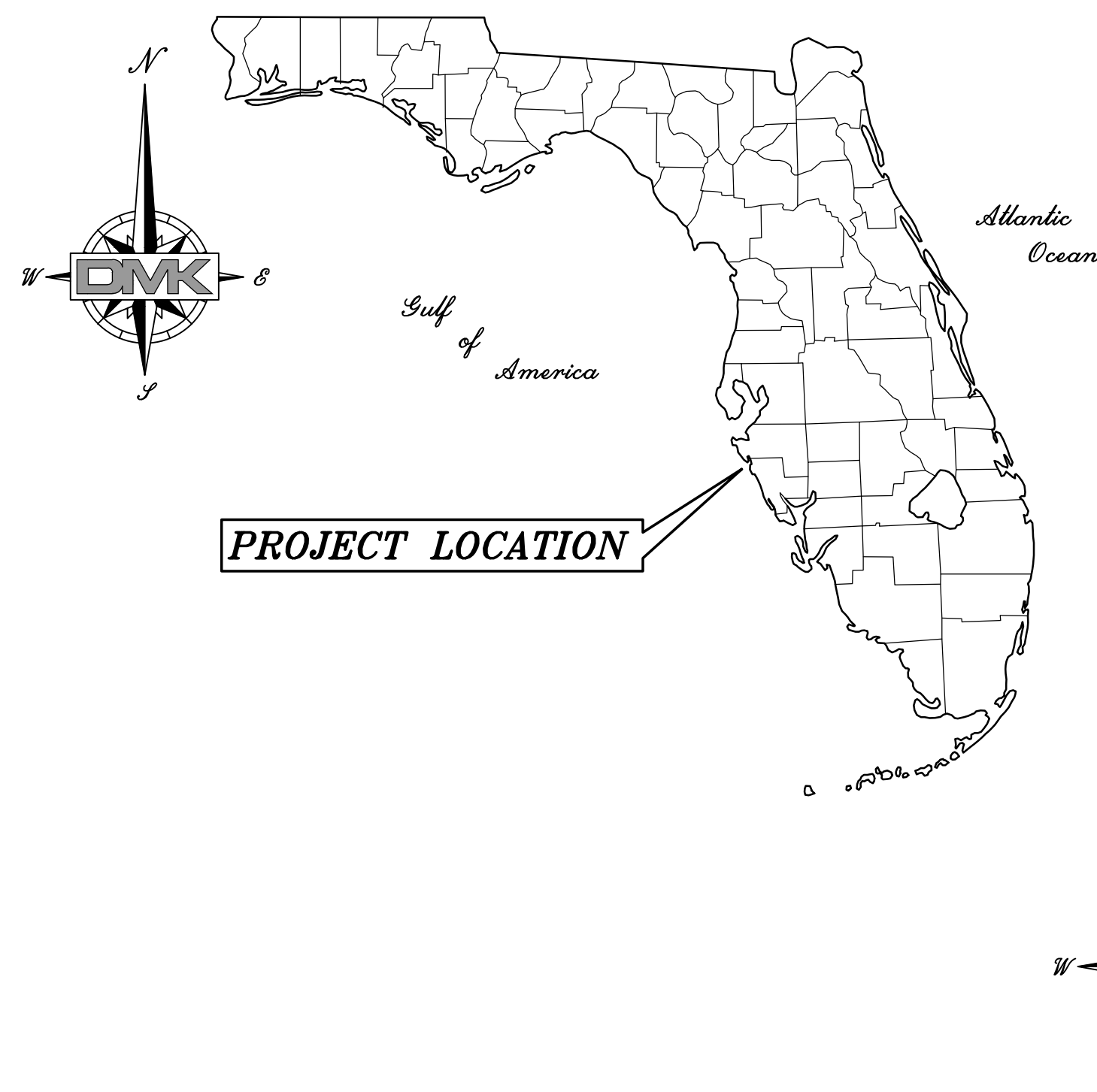
UTILITY LOCATIONS DEPICTED WITHIN THIS CONSTRUCTION PLAN SET HAVE BEEN COMPILED FROM FIELD SURVEYS AND DOCUMENTS SUPPLIED BY THE VARIOUS UTILITY COMPANIES. THE ENGINEER MAKES NO CLAIM TO THE ACCURACY OF THE UTILITY LOCATIONS SHOWN ON THESE PLANS. THE CONTRACTOR SHALL NOTIFY ALL UTILITIES AND IS RESPONSIBLE FOR VERIFYING THE DEPTHS AND FIELD LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION. ACTUAL UTILITY LOCATIONS AND DEPTHS MAY VARY FROM THOSE DEPICTED WITHIN THIS CONSTRUCTION PLAN SET. PROTECTION OF ALL UTILITIES WITHIN THE AREA OF CONSTRUCTION AND ALL COSTS TO REMEDY DAMAGES TO EXISTING UTILITIES AND DISTURBED AREAS SHALL BE BORNE BY THE CONTRACTOR.

# CONSTRUCTION PLANS

## FOR

# CHRIST CHURCH PARKING LOT EXPANSION

6350 GULF OF MEXICO DRIVE, LONGBOAT KEY, FLORIDA 34228



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### LOCATION MAP

N.T.S.  
MANATEE COUNTY, FLORIDA  
SECTION 23, TOWNSHIP 35S, RANGE 16E

### SURVEYOR:

JIM AMBERGER  
LAND SURVEYING, LLC  
1055 SOUTH TAMiami TRAIL, SUITE 110-B  
SARASOTA, FLORIDA 34236  
PHONE: (941) 955-6333  
EMAIL: bergertime@verizon.net  
#LB7649

### APPLICANT / OWNER:

CHRIST CHURCH OF LONGBOAT KEY, INC.  
PRESBYTERIAN, USA  
c/o: Mr. RICHARD BUCHANAN  
6400 GULF OF MEXICO DRIVE  
LONGBOAT KEY, FLORIDA 34228  
PHONE: (703) 622-6914

### ENGINEER:

DMK ASSOCIATES, Inc.  
405 COMMERCIAL COURT, SUITE E  
VENICE, FLORIDA 34292  
PHONE: (941) 412-1293  
EMAIL: info@dmkassoc.com  
C.A. 3943

THE ABOVE OR BELOW REGISTERED ENGINEER SHALL BE RESPONSIBLE FOR THE INDEX OF SHEETS SHOWN ON THIS KEY SHEET IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

STATE OF FLORIDA PROFESSIONAL ENGINEER LICENSE NO. 45766. THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY KREG E. MAHEU, P.E. ON THE DATE INDICATED HERE USING A SHA AUTHENTICATION CODE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SHA AUTHENTICATION CODE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

THE PROJECT VERTICAL DATUM IS NORTH AMERICAN VERTICAL DATUM 1988 (NAVD88).

THE REGISTERED ENGINEER SHALL BE RESPONSIBLE FOR SHEETS AS SHOWN ON THE INDEX OF DRAWINGS ON THIS KEY SHEET IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

KREG E. MAHEU, STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 45766. THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY KREG E. MAHEU ON THE DATE INDICATED HERE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SHA AUTHENTICATION CODE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.



DMK PROJECT No. 25-0073

KREG E. MAHEU, P.E.  
STATE OF FLORIDA No. 45766

**GENERAL NOTES:**

- THE PROJECT VERTICAL DATUM IS NORTH AMERICAN VERTICAL DATUM 1988 (NAVD88).
- IT IS THE CONTRACTOR'S RESPONSIBILITY, PRIOR TO BIDDING, TO INSPECT THE JOB SITE AND TO BE TOTALLY FAMILIAR WITH THE PLANS AND THEIR INTENT.
- THE CONTRACTOR SHALL PROVIDE CERTIFIED RECORD DRAWING INFORMATION THAT MEET MANATEE COUNTY (COUNTY) PERMIT REQUIREMENTS TO THE ENGINEER.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE COUNTY, FLORIDA, AND THE COUNTY'S STANDARD DETAIL SUPERSEDE.
- THERE SHALL BE NO CHANGE OR DEVIATION OF THESE PLANS OR SPECIFICATIONS UNLESS PRIOR WRITTEN APPROVAL FROM THE COUNTY IS OBTAINED.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF AND WHEN A POSSIBLE ERROR IS FOUND IN THE PLANS OR STAKED ALIGNMENT AND/OR GRADES.
- CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY AND ALL FIELD CONDITION(S) THAT WILL PREVENT THE CONSTRUCTION OF ANY ELEMENT OF THE PROPOSED PROJECT IN ACCORDANCE WITH THE DESIGN STANDARDS AND APPROVED CONSTRUCTION DOCUMENTS FOR THIS PROJECT. IN ALL INSTANCES, THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO ANY INSTALLATION OF WORK. IF CONTRACTOR ELECTS TO INSTALL ANY WORK WHICH DEVIATES FROM THE APPROVED CONSTRUCTION DOCUMENTS WITHOUT PRIOR WRITTEN APPROVAL BY THE ENGINEER, THEN THE COST OF REMOVAL, REPAIR, REDESIGN AND/OR REPLACEMENT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR UNLESS SAID WORK IS ACCEPTED AS AN AS-BUILT DEVIATION BY THE COUNTY OR THE ENGINEER. IN NO CASE SHALL THE COUNTY OR ENGINEER BE RESPONSIBLE FOR THE COST OF REMOVAL, REPAIR, REDESIGN AND/OR REPLACEMENT OF ANY WORK THAT DEVIATES FROM THE DESIGN STANDARDS AND APPROVED CONSTRUCTION DOCUMENTS FOR THIS PROJECT.
- CONSTRUCTION OF THE SIDEWALKS SHALL BE IN COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT AND THE FLORIDA ACCESSIBILITY CODE, AND THE COUNTY'S STANDARD DETAILS.
- THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES PRIOR TO THE BEGINNING OF ANY ON-SITE OR OFF-SITE CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE TO IDENTIFY AND REPORT THE EXACT LOCATION OF ALL EXISTING UTILITIES WITHIN THE CONSTRUCTION LIMITS, WHETHER THEY ARE IDENTIFIED ON THE DRAWINGS OR NOT.
- CONTRACTOR SHALL INCLUDE IN HIS BID PRICE THE COST OF EROSION CONTROL, EROSION AND SEDIMENT CONTROL BEST MANAGEMENT SHALL BE OBSERVED DURING CONSTRUCTION BY THE CONTRACTOR. THE METHODS WHICH SHOULD BE USED INCLUDE BUT ARE NOT LIMITED TO:
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY SILTATION ENTERING THE STORM DRAINAGE SYSTEM BOTH ON-SITE AND OFF-SITE. THE CONTRACTOR SHALL UTILIZE SAND BAGS AND HAY BALES OR OTHER EROSION CONTROL METHODS TO CONTROL EROSION.
  - CONTRACTOR SHALL PLACE SOD AROUND ALL INLETS A MINIMUM OF 2 FEET TO MINIMIZE ROAD AND STORM DRAINAGE SILTATION.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF DUST AT ALL TIMES DURING CONSTRUCTION BY UTILIZING WATER TRUCKS, ANTI-DRAFT FENCING AND BY COVERING OPEN BODIED TRUCKS TRANSPORTING DEBRIS.
- WHERE EXCAVATIONS ARE IN CLOSE PROXIMITY OF TREES, THE CONTRACTOR SHALL USE EXTREME CARE NOT TO DAMAGE THE ROOT SYSTEMS OF TREES AND OTHER LANDSCAPE FEATURES WHICH ARE TO BE SAVED AND/OR SALVAGED FOR RESTORATION PURPOSES. NO EQUIPMENT, SUPPLIES OR VEHICLES SHALL BE STORED OR PARKED WITHIN THE DRIP LINE OF TREES TO REMAIN AND BE PRESERVED. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INFORM ALL EMPLOYEES AND SUBCONTRACTORS OF THIS REQUIREMENT AND TO ENFORCE SAME.
- CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS DURING CONSTRUCTION TO CONTROL EROSION AND PREVENT THE TRANSPORT OF SEDIMENT TO SURFACE WATERS, STORM DRAINS AND/OR ADJACENT PROPERTIES. SILT SCREENS, AND/OR FILTER FABRIC, OR OTHER STANDARD EROSION CONTROL DEVICES SHALL BE PROVIDED IN ACCORDANCE WITH F.D.O.T. STANDARDS. EROSION CONTROL DEVICES (E.G. SILT SCREENS, TURBIDITY CURTAINS) SHALL BE INSTALLED AND MAINTAINED IN LOCATIONS INDICATED ON THE CONSTRUCTION PLANS OR ADDITIONALLY AT LOCATIONS WHERE CONSTRUCTION ACTIVITIES OR UNSTABILIZED SOILS HAVE THE POTENTIAL TO BE TRANSPORTED INTO AND/OR RESULT IN SEDIMENTATION OR TURBIDITY ENTERING WATERWAYS, WATER BODIES, WETLANDS, OR PRIVATE PROPERTIES.
- CONTRACTOR SHALL MAINTAIN TRAFFIC IN ACCORDANCE WITH FDOT INDEX 102 SERIES (2022/2023) STANDARDS.
- CONTRACTOR SHALL SPRINKLE OR OTHERWISE APPLY WATER TO EXPOSED CONSTRUCTION AREAS TO CONTROL SIGNIFICANT EROSION AND FUGITIVE DUST.
- ALL CLEARING, GRUBBING AND CONSTRUCTION DEBRIS TO BE REMOVED FROM SITE AND PROPERLY DISPOSED.
- THE REMOVAL OF ANY EXISTING STRUCTURES OR STORM SEWERS, HEADWALLS ETC., SHALL BE CONSIDERED INCIDENTAL WORK AND NO ADDITIONAL COMPENSATION SHALL BE MADE FOR THESE ITEMS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AREAS FOR STAGING AND STOCKPILING CONSTRUCTION MATERIALS AND WASTE OVERBURDEN INCLUDING APPROPRIATE EROSION AND SEDIMENTATION CONTROL DEVICES AND BEST MANAGEMENT PRACTICES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER HANDLING AND DISPOSAL OF CONTAMINATED SOILS IN ACCORDANCE WITH ALL STATE AND FEDERAL LAWS.
- THE ONLY ACCEPTABLE METHODS FOR REMOVAL OF PAVEMENT MARKINGS ARE HYDRO-BLASTING OR GRINDING. EXISTING MARKINGS SHALL NO LONGER BE VISIBLE UPON COMPLETION OF THE REMOVAL, AS DEEMED BY THE ASSIGNED THE CHARLOTTE COUNTY PROJECT INSPECTOR / ENGINEER.
- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING DEWATERING PERMIT BY SWFWMD (IF REQUIRED) AND SHALL ALLOW 45 DAYS FOR APPROVAL PROCESS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FOLLOWING ALL PERMIT REQUIREMENTS RELATED TO DEWATERING. ALL WORK PERFORMED, INCLUDING PERMITTING, WILL BE INCIDENTAL TO THE PAYMENT ITEMS OF STANDARD SPECIFICATIONS, SECTION 120, EXCAVATION AND EMBANKMENT
- SOD SHALL BE LAID AT BACK OF CURB, PAVEMENT EDGES, SWALES, INLETS, MITERED END SECTIONS, AND DETENTION AREAS AS SHOWN IN DETAILS OR AS DIRECTED BY THE ENGINEER, AND IN ALL AREAS DISTURBED BY THE WORK THAT IS NOT UNDER PROPOSED HARDSCAPE IMPROVEMENTS
- ALL AREAS DISTURBED BY CONSTRUCTION ARE TO BE SODDED WITHIN 7 CALENDAR DAYS TO PREVENT EROSION
- ALL PROPOSED GROUND ELEVATIONS ARE FINISHED SOD ELEVATIONS. FINISH GRADING SHALL BE 0.2 FEET LESS THAN ELEVATIONS SHOWN TO ALLOW FOR THICKNESS OF SOD.
- ALL TYPE B (CONCRETE, BROKEN ASPHALT, ROCKS), TYPE C (VEGETATIVE LAND CLEARING DEBRIS), OR TYPE D (REFUSE, PLASTIC, WOOD, METAL, ETC.) FILLS GENERATED BY THE PROJECT SHALL BE DISPOSED OF AT A PERMITTED LANDFILL OR RECYCLE FACILITY. ALL EXCESS TYPE A (CLEAN EARTHEN MATERIAL) SHALL BE HAULED TO A PERMITTED LANDFILL, COUNTY OWNED PROPERTY, OR SITE AUTHORIZED UNDER A BUILDING PERMIT, EARTH MOVING PERMIT, OR CONSTRUCTION PLAN APPROVAL TO RECEIVE FILL.
- ALL EARTHWORK AND COMPACTION SHALL BE INSPECTED BY THE ENGINEER OR HIS DULY APPOINTED REPRESENTATIVE, PRIOR TO FILLING OR CONSTRUCTION.

**GENERAL NOTES (CONTINUED):**

- CONTRACTOR SHALL MAINTAIN SLOPES AND SOD UNTIL COMPLETION AND ACCEPTANCE OF TOTAL PROJECT OR GROWTH IS ESTABLISHED. UNTIL ACCEPTANCE, ALL EROSION, SILTATION AND MAINTENANCE OF GRADES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- PLEASE NOTE THAT ON PLANS, POSITIVE DRAINAGE SHALL BE PROVIDED FOR ALL ADJACENT PROPERTIES AND MAINTAIN ALL HISTORIC OFFSITE FLOW PATTERNS.
- IT IS THE CONTRACTORS RESPONSIBILITY TO BARRICADE AREAS UNDER CONSTRUCTION PURSUANT TO MAINTENANCE OF TRAFFIC PLANS OR AS OTHERWISE APPROVED FOR USE.
- A TREE PERMIT WILL BE REQUIRED PRIOR TO ANY CONSTRUCTION, NATIVE VEGETATIVE REMOVAL WITHIN THE DRIPLINE OF A TREE, AND/OR TREE REMOVAL.
- ANY WELLS DISCOVERED DURING EXCAVATION, EARTHMOVING OR CONSTRUCTION MUST BE REPORTED TO THE MANATEE COUNTY HEALTH DEPARTMENT ENVIRONMENTAL HEALTH WITHIN 24 HOURS OF DISCOVERY.
- ALL WELLS ON SITE SHALL BE PLUGGED BY A LICENSED WELL DRILLING CONTRACTOR IN ACCORDANCE WITH ALL APPLICABLE STATE AND LOCAL REGULATIONS.

**GENERAL SIGNAGE AND PAVEMENT MARKING NOTES:**

- SIGNAGE AND PAVEMENT MARKING TO BE IN ACCORDANCE WITH THE LATEST EDITION OF THE FDOT "ROADWAY AND TRAFFIC DESIGN STANDARDS". EXCEPT NO COLORS OTHER THEN WHITE AND BLUE SHALL BE USED.
- THE PAVEMENT SHALL BE STRIPED WITH 4 MIL THERMOPLASTIC PAINT.
- ALL COUNTY STREET SIGNS WILL BE GREEN BACKGROUND WITH 6" WHITE LETTERS AND CONSTRUCTED WITH HIGH INTENSITY REFLECTORIZED MATERIAL. LOCAL ROAD SIGNS SHALL BE 9 INCHES WIDE. ALL STREET SIGNS DESIGNS TO BE APPROVED BY THE DIRECTOR OF PUBLIC WORKS PRIOR TO INSTALLATION.
- IF A COUNTY-OWNED SIGN IS TO BE REMOVED, COORDINATE RETURNING THE COUNTY'S PROPERTY WITH THE PUBLIC WORKS DEPARTMENT.
- ALL SIGNS SHALL BE CONSTRUCTED IN ACCORDANCE WITH MUTCD CRITERIA FOR SIGN SIZE, SHAPE, LETTERING DIMENSIONS AND REFLECTIVITY.
- ALL STREET LIGHT SPLICES SHALL BE MADE USING "RAYCHEM GHFC-2" OR APPROVED EQUAL, AND BE LOCATED IN THE PULL BOX.

**GENERAL DRAINAGE PIPE NOTES:**

- ALL NEW STORM DRAIN LINES AND ASSOCIATED COMPONENTS SHALL BE CONSTRUCTED TO ALIGNMENT AND LOCATION AS SHOWN IN THE PLANS UNLESS OTHERWISE DIRECTED BY ENGINEER.
- ALL CONCRETE DRAINAGE STRUCTURES AND PIPES SHALL BE CONSTRUCTED WITH 3,000 PSI CONCRETE.
- ALL DRAINAGE PIPE JOINTS SHALL BE WRAPPED PER FDOT INDEX 430-001.
- ALL REINFORCED CONCRETE PIPE (RCP), & ELLIPTICAL REINFORCED CONCRETE PIPE (ERCP) SHALL BE CLASS III PIPE.
- ALL ERCP SHALL BE INSTALLED WITH THE LONGITUDINAL AXIS PLACED HORIZONTALLY UNLESS NOTED OTHERWISE.
- NON-CONCRETE STORM WATER DRAINAGE PIPES AND FITTINGS, INCLUDING HANCOB HI-q HIGH DENSITY POLYETHYLENE (HDPE) (OR APPROVED EQUAL) SHALL MEET THE FOLLOWING REQUIREMENTS AND APPROVED BY THE ENGINEER.
  - AASHTO M252 - SPECIFICATIONS FOR CORRUGATED POLYETHYLENE DRAINAGE TUBING, 3 INCH - 10 INCH DIAMETER.
  - AASHTO M294 - SPECIFICATIONS FOR CORRUGATED POLYETHYLENE PIPE, 12 INCH - 36 INCH DIA.
  - ASTM D1056 - SPECIFICATIONS FOR FLEXIBLE CELLULAR MATERIAL - SPONGE OR EXPANDED RUBBER.
  - ASTM D1248 - SPECIFICATIONS FOR POLYETHYLENE PLASTIC MOLDING AND EXTRUSION MATERIALS.
  - ASTM D2321 - PRACTICE FOR UNDERGROUND INSTALLATION OF FLEXIBLE THERMOPLASTIC SEWER PIPE.

**STORMWATER GENERAL NOTES:**

- ALL STORMWATER STRUCTURES SHALL BE BEDDED ON 6" MIN. COMPACTED GRAVEL OR CRUSHED STONE.
- STORMWATER PIPES INSTALLED BELOW THE WATER TABLE, WITHIN WET CONDITIONS WILL REQUIRED 6" MIN COMPACTED GRAVEL OR CRUSHED STONE BEDDING.
- ALL STORMWATER PIPES AND STRUCTURES WITHIN PUBLIC TRAFFICABLE AREAS SHALL BE REINFORCED CONCRETE UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- STORMWATER PIPES WITHIN PRIVATE PROPERTY MAY BE SMOOTH WALLED HDPE OR A-2000 PVC WITH WATERTIGHT CONNECTIONS AND SUFFICIENT COVER AS CALCULATED BY THE EOR. ROOF DRAINAGE PIPE MAY BE C900 DR-25 PVC WHITE COLOR OR BLUE COLOR WITH WHITE TAPE.
- NO LIFTING HOLES OR OTHER SIMILAR PENETRATIONS OF STORMWATER PIPING PERMITTED.
- ALL PIPING JOINTS SHALL BE WRAPPED WITH MIRIFI FILTER FABRIC OR EQUAL.
- ALL PIPE JOINTS WILL BE GASKETED ACCORDING TO THE MANUFACTURE, FDOT AND ASTM STANDARDS TO PROVIDE A LEAK PROOF CONNECTION.
- ALL PRE-CAST STRUCTURES SHALL MEET FDOT AND ASTM C-478 STANDARDS.
- INLET GRATINGS IN AREAS ACCESSIBLE TO BICYCLE OR TO PEDESTRIAN USE MUST BE RETICULINE OR OF SIMILAR MANUFACTURE.
- INLET GRATING IN CORROSIVE AREAS SHALL BE GALVANIZED.
- STORMWATER INLETS SHOULD BE DESIGNED TO REJECT DEBRIS , TRASH, AND OTHER POLUTANTS FROM ENTERING INTO PUBLIC STORMWATER CONVEYANCES.
- OUTFALL INTO SURFACE WATERS SHOULD BE DESIGNED WITH DEVICES TO REDUCE THE DISCHARGE OF FOREIGN MATERIAL.

**MAINTENANCE REQUIREMENT NOTES:**

- REMOVE ANY TRASH OR DEBRIS FROM SWALES, INLET STRUCTURE AND PIPES. SPECIAL CARE SHOULD BE TAKEN TO INSPECT THE CONTROL STRUCTURE ON A REGULAR BASIS TO REMOVE TRASH AND OR GRASS CLIPPINGS WHICH MAY INHIBIT PROPER SURFACE DRAINAGE.
- INSPECT ANY AREAS SUBJECT TO EROSION AND SEED OR SOD AS NECESSARY.
- INSPECT THE CONDITION OF THE WATER CONTROL STRUCTURES ON A REGULAR BASIS AND REPAIR AS NEEDED. IF THE DRAWDOWN SYSTEM OF THE WATER MANAGEMENT AREA DOES NOT FUNCTION AS ORIGINALLY DESIGNED, DETERMINE WHERE THE SYSTEM HAS FAILED AND REPAIR OR REPLACE AS REQUIRED TO MEET CHAPTERS 40D-4 AND 62-65, F.A.C. REQUIREMENTS.
- ALL STORMWATER RETENTION FACILITY SHOULD BE INSPECTED ANNUALLY FOR THE PRESENCE OF ANY EXOTIC PLANTS SHOULD BE REMOVED AND MEASURES TAKEN TO PREVENT THEIR RETURN AND REPLACED WITH NATIVE SPECIES.
- ADHERE TO ALL SPECIAL MAINTENANCE INSTRUCTION AS PROVIDED BY THE VARIOUS MATERIAL SUPPLIERS/MANUFACTURERS, AND MADE AVAILABLE VIA THE GENERAL CONTRACTOR UPON PROJECT COMPLETION.
- COMPLY WITH ALL MAINTENANCE, INSPECTION AND REPORTING REQUIREMENTS AS SPECIFIED IN ANY REGULATORY AGENCY PERMITS (I.E. FDEP SURFACE WATER MANAGEMENT PERMIT).

**EROSION CONTROL MAINTENANCE SCHEDULE:**

- THE CONTRACTOR SHALL INSTALL SILT FENCE, STAKED HAY BALES, AND OTHER EROSION CONTROL DEVICES AS SHOWN ON THE DRAWINGS PRIOR TO BEGINNING CONSTRUCTION. THESE INSTALLATIONS AS SHOWN ON THE DRAWINGS SHALL BE CONSIDERED THE MINIMUM EROSION/SILTATION PROTECTION REQUIRED FOR THE SITE.
- IN ADDITION THE ENGINEER, OWNER, OR OWNER'S REPRESENTATIVE MAY DEEM IT NECESSARY TO INSTALL PROTECTIVE FACILITIES ELSEWHERE ON THE SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE EROSION PROTECTION FACILITIES THROUGH COMPLETION OF CONSTRUCTION. THE CONTRACTOR SHALL PERFORM DAILY INSPECTIONS OF THE FACILITIES TO ENSURE THAT THE EROSION PROTECTION FACILITIES ARE MAINTAINING THEIR PROTECTION FUNCTIONS AND INTEGRITY.
- ALL EROSION PROTECTION FACILITIES SHALL BE REMOVED AFTER CONSTRUCTION COMPLETION, AND WHEN A VEGETATIVE COVER HAS BEEN WELL ESTABLISHED OVER THE CONSTRUCTED AREAS PER THE PLANS. THE CONTRACTOR SHALL REMOVE PROTECTION FACILITIES ONLY UPON APPROVAL BY THE ENGINEER, OWNER, OR OWNER'S REPRESENTATIVE.

**WATER RESOURCE NOTES:**

- EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs) IN ADDITION TO THOSE PRESENTED ON THE PLANS AND OUTLINED IN THE EROSION AND SEDIMENT CONTROL PLAN (ECP) AND STORMWATER POLLUTION PREVENTION PLAN (SWPPP) SHALL BE IMPLEMENTED AS NECESSARY TO PREVENT TURBID DISCHARGES FROM FLOWING ONTO ADJACENT PROPERTIES OR ROADWAYS, OFF SITE STORMWATER CONVEYANCES OR RECEIVING WATERS, OR ON SITE WETLANDS AND SURFACE WATERS. BMPs SHALL BE DESIGNED, INSTALLED, AND MAINTAINED BY THE SITE OPERATOR TO ENSURE THAT OFF SITE SURFACE WATER QUALITY REMAINS CONSISTENT WITH STATE AND LOCAL REGULATIONS. [THE OPERATOR IS THE ENTITY THAT OWNS OR OPERATES THE CONSTRUCTION ACTIVITY AND HAS AUTHORITY TO CONTROL THOSE ACTIVITIES AT THE PROJECT NECESSARY TO ENSURE COMPLIANCE.]
- THE OPERATOR SHALL ENSURE THAT ADJACENT PROPERTIES ARE NOT IMPACTED BY WIND EROSION, OR EMISSIONS OF UNCONFINED PARTICULATE MATTER IN ACCORDANCE WITH RULE 62-296.320(4)(C)1, F.A.C., BY TAKING APPROPRIATE MEASURES TO STABILIZE AFFECTED AREAS.
- FUEL AND OTHER PETROLEUM PRODUCT SPILLS THAT ENTER STORMWATER DRAINS OR WATERBODIES, OR FUEL AND OTHER PETROLEUM PRODUCT SPILLS THAT ARE IN EXCESS OF 25 GALLONS SHALL BE CONTAINED, CLEANED UP, AND IMMEDIATELY REPORTED TO PUBLIC WORKS. SMALLER GROUND SURFACE SPILLS SHALL BE CLEANED UP AS SOON AS PRACTICAL.
- IF CONTAMINATED SOIL AND/OR GROUNDWATER IS DISCOVERED DURING DEVELOPMENT OF THE SITE, ALL ACTIVITY IN THE VICINITY OF THE CONTAMINATION SHALL IMMEDIATELY CEASE, AND PUBLIC WORKS SHALL BE CONTACTED.

**UTILITY NOTIFICATION**

UTILITY LOCATIONS DEPICTED WITHIN THIS CONSTRUCTION PLAN SET HAVE BEEN COMPILED FROM FIELD MEASUREMENTS AND DOCUMENTS SUPPLIED BY THE VARIOUS UTILITY COMPANIES. THE ENGINEER MAKES NO CLAIM TO THE ACCURACY OF THE UTILITY LOCATIONS SHOWN ON THESE PLANS. THE CONTRACTOR SHALL NOTIFY ALL UTILITIES AND IS RESPONSIBLE FOR VERIFYING THE DEPTHS AND FIELD LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION. ACTUAL UTILITY LOCATIONS AND DEPTHS MAY VARY FROM THOSE DEPICTED WITHIN THIS CONSTRUCTION PLAN SET. PROTECTION OF ALL UTILITIES WITHIN THE AREA OF CONSTRUCTION AND ALL COSTS TO REMEDY DAMAGES TO EXISTING UTILITIES AND DISTURBED AREAS SHALL BE BORNE BY THE CONTRACTOR.



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Drawing name: F:\Projects\2025\25-0073-Church\_LBK\_Parking Lot\Draw\25-0073-Cv.dwg; Title: 09 Oct 2025 - 11:13am; Date Printed: Thu, 09 Oct 2025 - 11:13am; Tab: 091 2

CHRIST CHURCH OF LONGBOAT KEY, INC 6400 GULF OF MEXICO DRIVE LONGBOAT KEY, FLORIDA 34228 (703) 622-6914			<b>DMK ASSOCIATES</b> ENGINEERING, PLANNING & DESIGN 405 Commercial Court, Suite E Venice, Florida 34292 Phone: (941) 412-1293, email: info@dmkassoc.com Certificate of Authorization No. 3943	DATE 05/12/2025 CKD. BY DATE DRAWN RMS AW 10/09/25 DESIGN RMS KEM 10/09/25 SCALE @ 24x36" DMK NO. 25-0073	CHRIST CHURCH OF LONGBOAT KEY PARKING LOT EXPANSION 6350 GULF OF MEXICO DRIVE, LONGBOAT KEY, FLORIDA 34228	STANDARD NOTES	SHEET No. <b>2</b>
Δ No.	REVISION	DATE	BY				

**SURVEY ABBREVIATIONS AND LEGEND:**

**ABBREVIATIONS:**

- A = Arc
- Alum. = Aluminum
- Bldg. = Building
- B.M. = Bench Mark
- (C) = Calculated data
- C = Chord dimension
- C.B.S = Concrete Block and Stucco
- C.M. = Concrete Monument
- Conc. = Concrete
- (D) = Deed data
- D.N.R. = Department of Natural Resources
- D.O.T = Department of Transportation
- Drain. = Drainage
- Dsc. = Description data
- El. = Elevation
- Es'mt = Easement
- Fin. Fl. = Finished Floor
- Fnd. = Found
- INV. = Inert
- I.P. = Iron Pipe
- I.R. = Iron Rod
- L.B. = Land Surveying Business
- (M) = Measured Data
- N.A.V.D. = North American Vertical Datum
- N.G.V.D. = National Geodetic Vertical Datum
- O.R. = Official Records
- (P) = Plat Data
- P.C. = Point of Curvature
- P.C.C = Point of Compound Curvature
- P.C.P. = Permanent Control Point
- P.I. = Point of Intersection
- P.K. = PARKER-KALON
- P.O.B. = Point of Beginning
- P.O.C. = Point of Commencement
- P.O.L. = Point on Line
- P.O.T. = Point of Terminus
- P.R.C. = Point of Reverse Curvature
- P.R.M. = Permanent Reference Monument
- P.T. = Point of Tangenc
- R. = Radius
- R/W = Right-of-Way
- S.F. = Square Feet
- Sta. = Station
- T.B.M. = Temporary Bench Mark
- Typ. = Typical
- (U) = Unrecorded data
- U.S.G.S. = United States Geodetic Survey
- Util. = Utility
- WTWY = Waterway
- Δ = Delta
- ⊕ = Centerline
- ⊔ = Property Line

**LEGEND:**

Legend symbols are not to scale and are for graphic I.D. only.

- = Found 4"x4"Concrete Monument (number noted if any)
- = Found No. 5 Rebar (I.D. noted if any)
- ▲ = Found P.K. Nail and Disc (I.D. noted if any)
- ⊕ = Spot Elevation
- = Set 4"x4"Concrete Monument with Cap L.B. #3943
- = Set No. 5 Rebar with Cap L.B. #3943
- △ = Set Mag. Nail and Disc L.B. #3943
- ⊗ = Utility Box
- ⊙ = Utility Pole
- ⊔ = Guy Wire Anchor
- ⊕ = Water Meter
- ⊗ = Water Valve
- ⊗ = Sewer Valve
- ⊕ = Fire Hydrant
- ⊕ = Sewer Cleanout
- ⊕ = Water Service
- ⊕ = Well/Monitor/Irrigation
- ⊕ = Sanitary Sewer Manhole
- ⊕ = Storm Manhole
- ⊕ = Miscellaneous Manhole
- ⊕ = Electric Service
- ⊕ = Electric Hand Hole/Manhole
- ⊕ = Telephone Riser/Hand Hole
- ⊕ = Cable TV
- ⊕ = Road Sign
- ⊕ = Light Pole
- ⊕ = Street Light Box
- ⊕ = Ground Light
- ⊕ = Backflow Preventer
- //— = Overhead Utility Line
- x—x— = Barb Wire or Wire Fence
- o—o— = Chain Link Fence
- = Wooden Fence
- WTR— = Buried Water Line
- TEL— = Buried Telephone Line
- SEW— = Buried Sanitary Sewer
- ELEC— = Buried Electric Line

**ABBREVIATIONS:**

NOTE: THE PERIOD MAY OR MAY NOT BE SHOWN IE. ASOP OR A.S.O.P.

- ⊕ = AT
- AIP = ABANDONED IN-PLACE
- APT = APARTMENT
- ASOP = AS SHOWN ON PLANS
- ASTM = AMERICAN STD TESTING AND MATERIAL
- BFP = BACK FLOW PREVENTION DEVICE
- BL = BASE LINE
- BLDG = BUILDING
- BOSI = BACK OF SIDEWALK INLET
- BOT = BACK OF TRAIL (MURT)
- CA = CERTIFICATION
- ⊕ = CENTERLINE
- CO = CLEANOUT
- CONC = CONCRETE
- CONST = CONSTRUCTION
- CR = COUNTY ROAD
- CY = CUBIC YARD
- (C) = CALCULATED
- DA = DISABLED ACCESS
- DBI = DITCH BOTTOM INLET
- DEPT = DEPARTMENT
- DHWL = DESIGN HIGH WATER LINE
- DIA = DIAMETER
- DMZ = DEMARKED MULTI-FAMILY ZONING LINE
- DR = DESIGN RATIO
- E = EAST
- EA = EACH
- EOP = EDGE OF PAVEMENT
- ESM'T = EASEMENT
- EL = ELEVATION
- ERC = EQUIVALENT RESIDENTIAL CONNECTIONS
- FF = FINISHED FLOOR
- FDC = FIRE DEPARTMENT CONNECTION
- FDOT = FLORIDA DEPARTMENT OF TRANS
- FLA = FLORIDA
- FS = FIRE SERVICE
- FT = FOOT/FEET
- FW = FIRE MAIN
- GA = GAUGE
- GB = GRADE BREAK
- GPD = GALLONS PER DAY
- HDG = HOT DIPPED GALVANIZED
- HORIZ = HORIZONTAL
- HP = HIGH POINT
- HT = HEIGHT
- IN = INCHES
- INSTAL = INSTALLATION
- INV = INVERT
- LB = LAND SURVEYING BUSINESS
- LIC = LICENSE
- LF = LINEAR FOOT
- MAX = MAXIMUM
- MES = MITERED END SECTION
- M. EX. = MATCH EXISTING
- MH = MANHOLE
- MIN = MINIMUM
- MOT = MAINTENANCE OF TRAFFIC
- N = NORTH
- No = NUMBER
- NWL = NORMAL WATER LINE
- NTS = NOT TO SCALE
- O/C = ON CENTER
- PGL = PROFILE GRADE LINE
- PREF = PREFERRED
- PROJ = PROJECT
- PSI = POUNDS PER SQUARE INCH
- PVM'T = PAVEMENT
- R = RADIUS
- RCP = REINFORCED CONCRETE PIPE
- REQ'D = REQUIRED
- RPZ = REDUCED PRESSURE ZONE
- R/W = RIGHT OF WAY
- S = SOUTH
- SCB = SIGNAL CONTROL BOX
- SDR = SIZE DESIGN RATIO
- SF = SQUARE FEET/FOOT
- SHLDR = SHOULDER
- SHWT = SEASONAL HIGH WATER TABLE
- SR = STATE ROUTE
- STD = STANDARD
- SQ FT = SQUARE FEET
- SQ YD = SQUARE YARD
- S/W = SIDEWALK
- TEMP = TEMPORARY
- TOB = TOP OF BANK
- TOS = TOE OF SLOPE
- TCB = TRAFFIC CONTROL BOX
- TRANS = TRANSPORTATION
- TRNS = TRANSITION
- TRVL = TRAVEL
- TYP = TYPICAL
- UNK = UNKNOWN
- W = WEST
- W/ = WITH
- WM = WATER MAIN
- WWF = WELDED WIRE FABRIC
- VAR = VARIES
- VERT = VERTICAL

STATE OF FLORIDA PROFESSIONAL ENGINEER LICENSE NO. 45766. THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY KREG E. MAHEU, P.E. ON THE DATE INDICATED HERE USING A SHA AUTHENTICATION CODE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SHA AUTHENTICATION CODE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Drawing name: F:\Projects\2025\25-0073-Christ Church LBR Parking Lot\Draw\25-0073-Cvrdwg Tab. Set 3 Date Printed: Thu, 09 Oct 2025 11:14pm

Δ No.	REVISION	DATE	BY

CHRIST CHURCH OF LONGBOAT KEY, INC  
6400 GULF OF MEXICO DRIVE  
LONGBOAT KEY, FLORIDA 34228  
(703) 622-6914



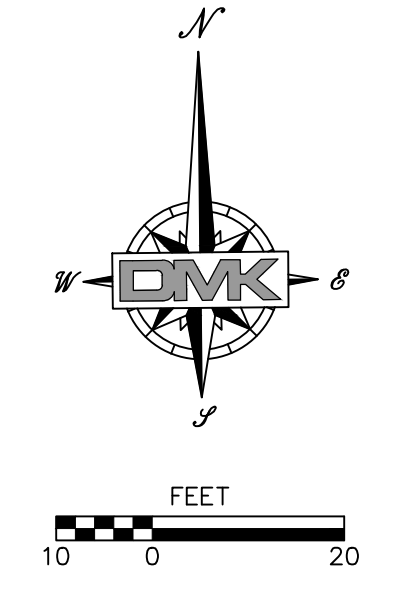
**DMK ASSOCIATES**  
ENGINEERING, PLANNING & DESIGN  
405 Commercial Court, Suite E Venice, Florida 34292  
Phone: (941) 412-1293, email: info@dmkassoc.com  
Certificate of Authorization No. 3943

DATE	05/12/2025	CKD. BY	DATE
DRAWN	RMS	AW	10/09/25
DESIGN	RMS	KEM	10/09/25
SCALE	@ 24x36"	DMK NO.	25-0073

CHRIST CHURCH OF LONGBOAT KEY PARKING LOT EXPANSION  
6350 GULF OF MEXICO DRIVE, LONGBOAT KEY, FLORIDA 34228

**LEGEND AND ABBREVIATIONS**

ENGINEER OF RECORD  
KREG E. MAHEU, P.E.  
STATE OF FLORIDA NO. 45766



**LEGEND:**

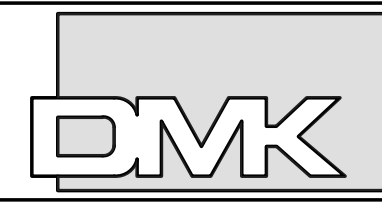
EXISTING 2,238± S.Y. OF ASPHALT PAVEMENT & SUB-BASE, TO BE REMOVED

STATE OF FLORIDA PROFESSIONAL ENGINEER LICENSE NO. 45766. THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY KREG E. MAHEU, P.E. ON THE DATE INDICATED HERE USING A SHA AUTHENTICATION CODE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SHA AUTHENTICATION CODE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Drawing name: F:\Projects\2025\25-0073 Christ Church EBK Parking Lot\DWG\25-0073\_EV-51E.dwg Tab: S11F 4 Date Printed: Wed, 11 Feb 2026 - 11:21am

REVISION	DATE	BY

**CHRIST CHURCH OF LONGBOAT KEY, INC**  
 6400 GULF OF MEXICO DRIVE  
 LONGBOAT KEY, FLORIDA 34228  
 (703) 622-6914



**DMK ASSOCIATES**  
 ENGINEERING, PLANNING & DESIGN  
 405 Commercial Court, Suite E Venice, Florida 34292  
 Phone: (941) 412-1293, email: info@dmkassoc.com  
 Certificate of Authorization No. 3943

DATE	CKD. BY	DATE
05/12/2025	RMS	02/11/26
	AW	
	KEM	

**CHRIST CHURCH OF LONGBOAT KEY PARKING LOT EXPANSION**  
 6350 GULF OF MEXICO DRIVE, LONGBOAT KEY, FLORIDA 34228  
 EXISTING CONDITIONS, DEMOLITION AND AERIAL PHOTO PLAN

**CONSTRUCTION PLANS**

SHEET No. **4**



**PROJECT DATA**

**ZONING:**  
LBK\_C-1

**EXISTING LAND USE CODE:**  
1205 MIXED USE COMMERCIAL/RESIDENTIAL

**FUTURE LAND USE:**  
CITY

**FLOOD\_ZONE:**  
PORTIONS OF SITE IN "8AE" AND "9AE" ZONES

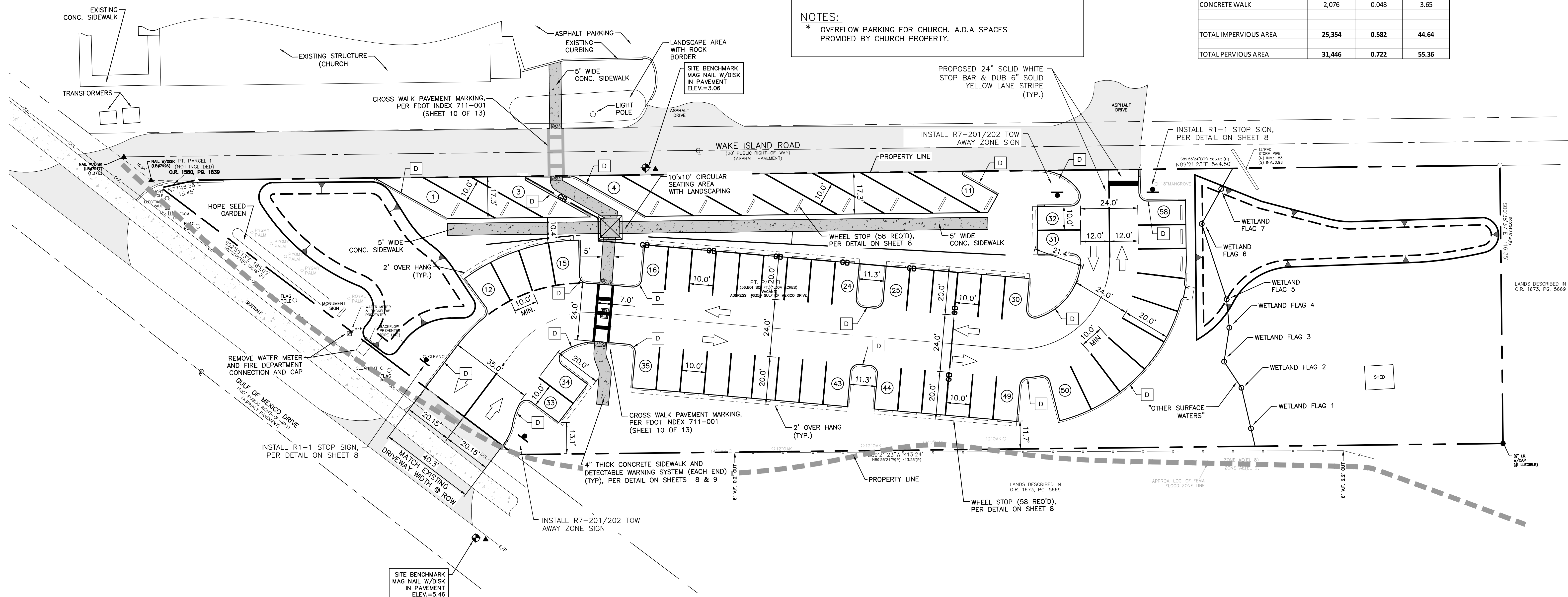
**ENVIRONMENTAL:**  
NO WETLANDS ON SITE

**CHARACTER & INTENDED USE STATEMENT:**  
PAVED PARKING

**PARKING PROVIDED:**  
58 PARKING SPACES  
0 A.D.A. PARKING SPACES\*  
58 SPACES PROVIDED INCLUDING 0 A.D.A. SPACES

**NOTES:**  
\* OVERFLOW PARKING FOR CHURCH. A.D.A. SPACES PROVIDED BY CHURCH PROPERTY.

CHRIST CHURCH OF LONGBOAT KEY, INC.			
EXISTING CONDITIONS			
	SQUARE FOOT	ACRES	PERCENTAGE
TOTAL PROJECT AREA	56,800	1.304	100.00
BUILDING & CANOPY FOOTPRINT	10,208	0.234	17.97
CONC PARKING & DUMPSTER PAD	20,048	0.460	35.30
TOTAL IMPERVIOUS AREA	30,256	0.695	53.27
TOTAL PERVIOUS AREA	26,544	0.609	46.73
PROPOSED IMPROVEMENTS			
	SQUARE FOOT	ACRES	PERCENTAGE
TOTAL PROJECT AREA	56,800	1.304	100.00
BUILDING FOOTPRINT	0	0.000	0.00
ASPHALT DRIVEWAY & PARKING	23,278	0.534	40.98
CONCRETE WALK	2,076	0.048	3.65
TOTAL IMPERVIOUS AREA	25,354	0.582	44.64
TOTAL PERVIOUS AREA	31,446	0.722	55.36



- LEGEND:**
- PROPOSED ASPHALT PAVEMENT, PER DETAIL ON SHEET 8
  - PROPOSED CONCRETE SIDEWALK
  - D TYPE "D" CURB w/ 3' TRANSITIONS AS SHOWN IN PLAN, PER DETAILS ON SHEET 8
  - 64 PARKING SPACE COUNT

STATE OF FLORIDA PROFESSIONAL ENGINEER LICENSE NO. 45766. THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY KREG E. MAHEU, P.E. ON THE DATE INDICATED HERE USING A SHA AUTHENTICATION CODE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SHA AUTHENTICATION CODE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

STRUCTURES SCHEDULE				
Structure No.	Description	Rim/Grate & Invert Elevations	Northing	Easting
BEND-1	PROP. 6"x45" ADS BEND	Rim El: 2.92 (S) INV = 2.40 (N) INV = -1.12	1124562.848	437971.533
S-1	PROP TYPE "C" CATCH BASIN FDOT INDEX 425-052	Rim El: 3.50 (NW) INV = 1.50	1124548.637	437726.107
S-2	PROP TYPE "C" CATCH BASIN BUBBLE-UP STRUCTURE FDOT INDEX 425-052	Rim El: 3.00 (SE) INV = 1.50	1124577.482	437675.457
S-3	PROP TYPE "C" CATCH BASIN FDOT INDEX 425-052	Rim El: 2.30 (E) INV = 0.30	1124573.177	437895.923
S-4	PROP TYPE "C" CATCH BASIN FDOT INDEX 425-052	Rim El: 2.40 (W) INV = 0.30 (N) INV = 0.30	1124557.156	437970.064

PIPE SCHEDULE						
Pipe Name	Length	Description	From Structure	Inv. EL.	To Structure	Inv. EL.
P-1	58	PROP 12" ADS PIPE	S-1	1.50	S-2	1.50
P-2	76	PROP 12" ADS PIPE	S-3	0.30	S-4	0.30
P-3	6	PROP 6" PVC	S-4	0.30	BEND-1	2.40
TD-1	33	6" TRENCH DRAIN w/END CAP	BEND-1	-1.12		-1.17

**LEGEND:**

- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE SIDEWALK

▲ POND SLOPE

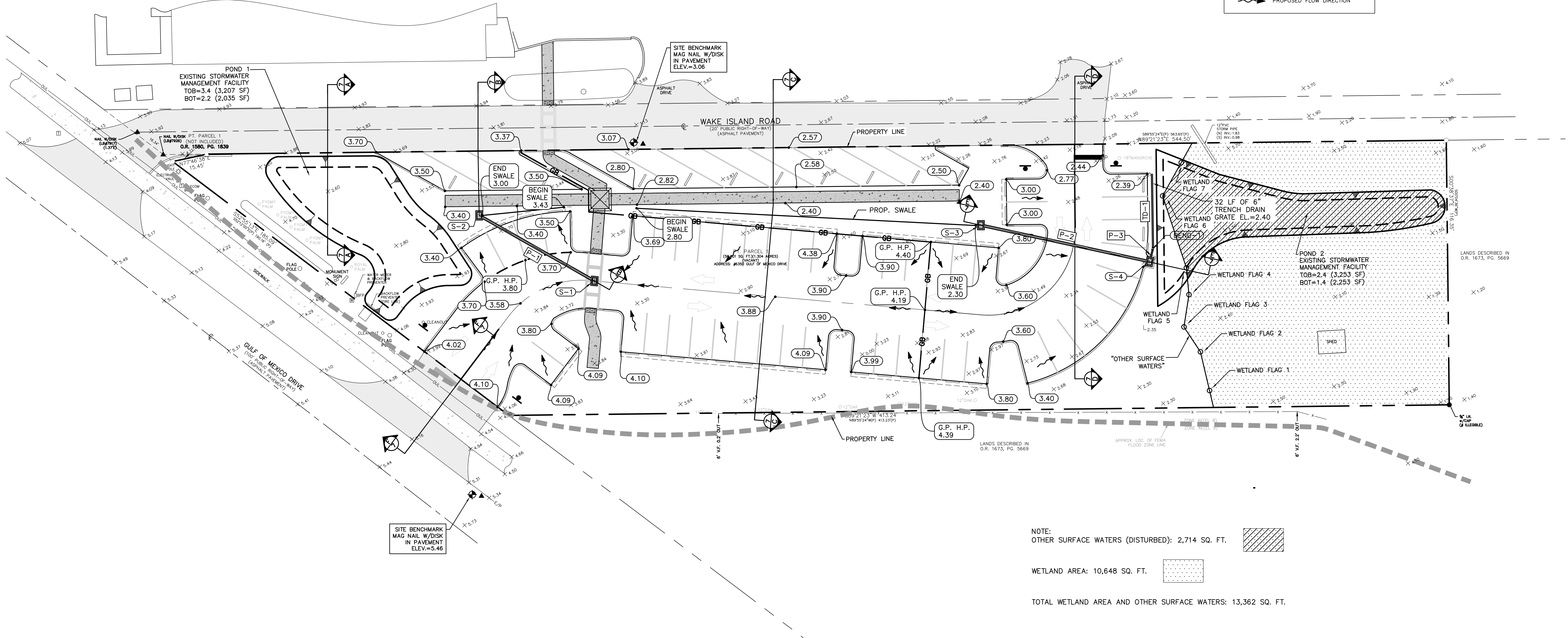
**D** TYPE "D" CURB w/ 3' TRANSITIONS  
AS SHOWN IN PLAN, PER DETAIL ON  
SHEET 9

**SECTION CALL-OUT LEGEND**

- SECTION IDENTIFIER
- PAGE No.  
(SECTION LOCATION)

**LEGEND:**

- EXISTING ELEVATION
- EXISTING FLOW DIRECTION
- PROPOSED GRADE ELEVATION
- MATCH EXISTING GRADE ELEV.
- GRADE BREAK
- PROPOSED FLOW DIRECTION



NOTE:  
OTHER SURFACE WATERS (DISTURBED): 2,714 SQ. FT.

WETLAND AREA: 10,648 SQ. FT.

TOTAL WETLAND AREA AND OTHER SURFACE WATERS: 13,362 SQ. FT.

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Drawing name: F:\Projects\2025\25-0073 Christ Church EBK Parking Lot\DWG\25-0073 SITE.dwg Tab: SH1 6 Date Printed: Tue, 17 Feb 2026 11:35am

NO.	REVISION	DATE	BY

CHRIST CHURCH OF LONGBOAT KEY, INC  
6400 GULF OF MEXICO DRIVE  
LONGBOAT KEY, FLORIDA 34228  
(703) 622-6914



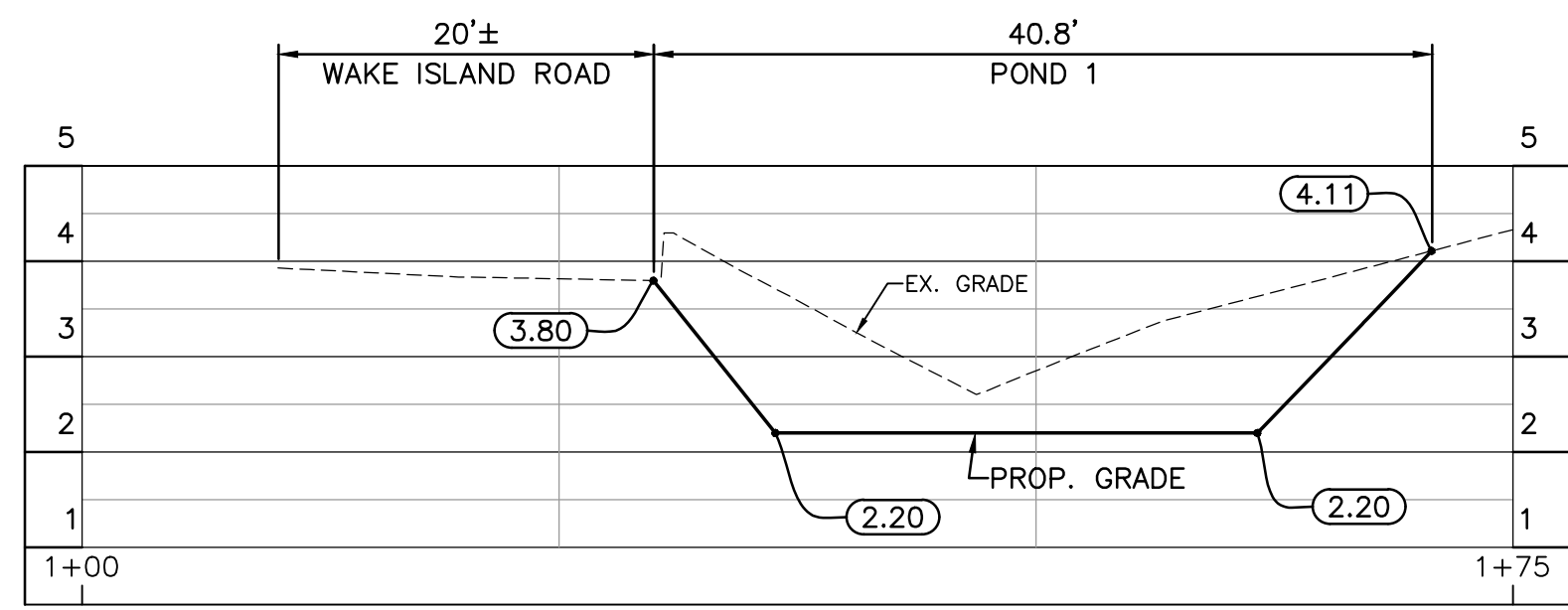
**DMK ASSOCIATES**  
ENGINEERING, PLANNING & DESIGN  
405 Commercial Court, Suite E Venice, Florida 34292  
Phone: (941) 412-1293, email: info@dmkassoc.com  
Certificate of Authorization No. 3943

DATE	CKD. BY	DATE
05/12/2025	AW	02/17/26
RMS	KEM	02/17/26
DESIGN		
SCALE @ 24x36"	DMK NO. 25-0073	

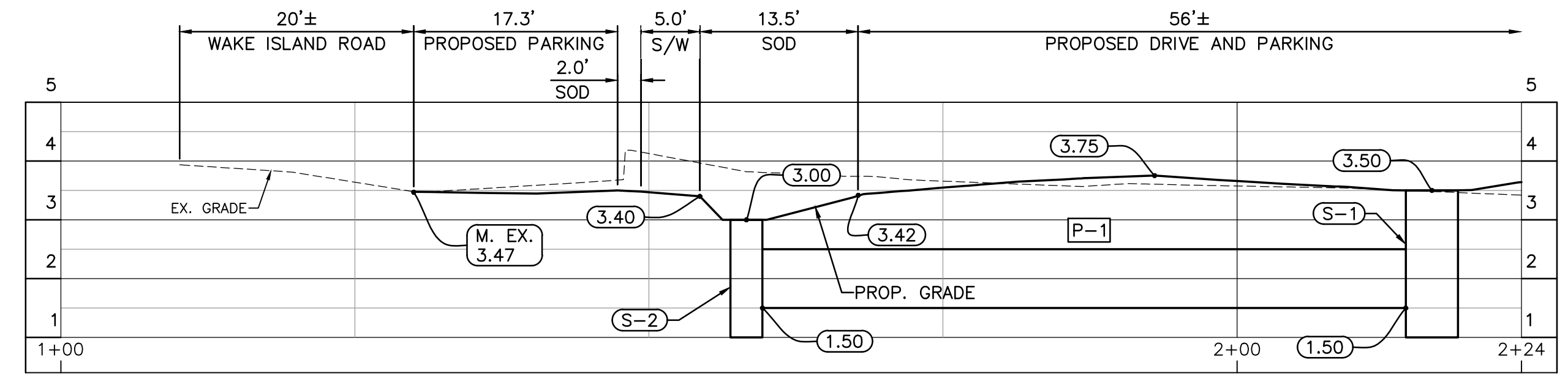
CHRIST CHURCH OF LONGBOAT KEY PARKING LOT EXPANSION  
6350 GULF OF MEXICO DRIVE, LONGBOAT KEY, FLORIDA 34228  
**GRADING AND DRAINAGE PLAN**

ENGINEER OF RECORD  
KREG E. MAHEU, P.E.  
STATE OF FLORIDA NO. 45766

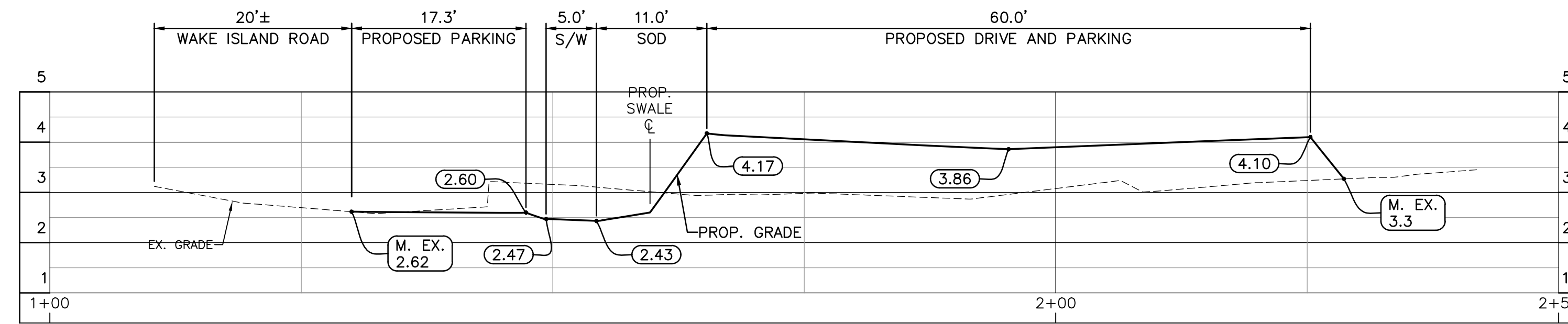
SHEET No.  
**6**



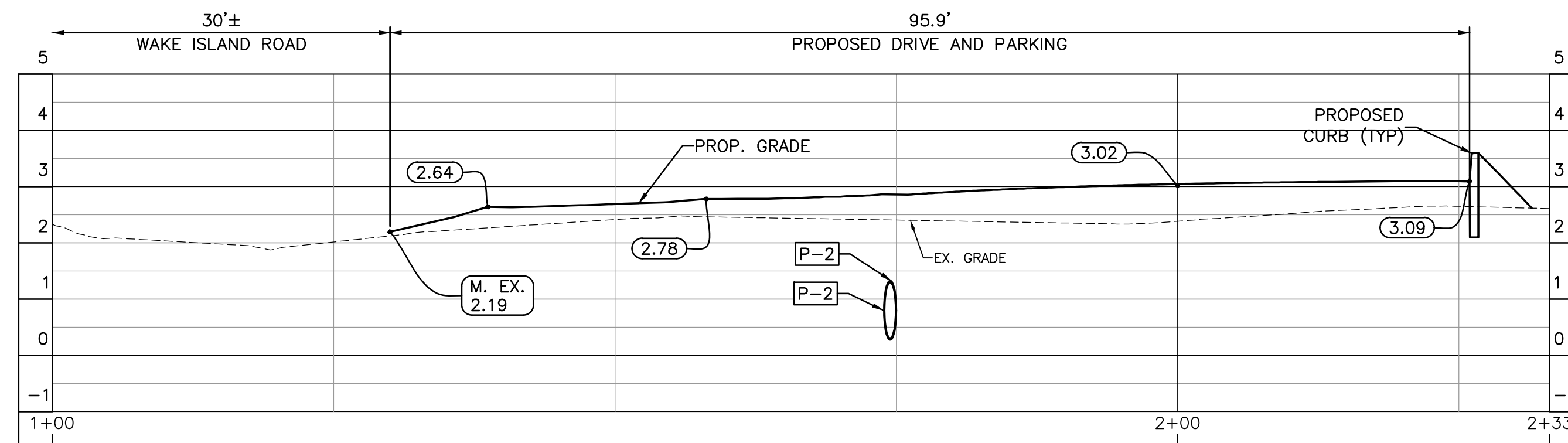
SECTION A-A  
SCALE: H:1"=10'; V:1"=2'



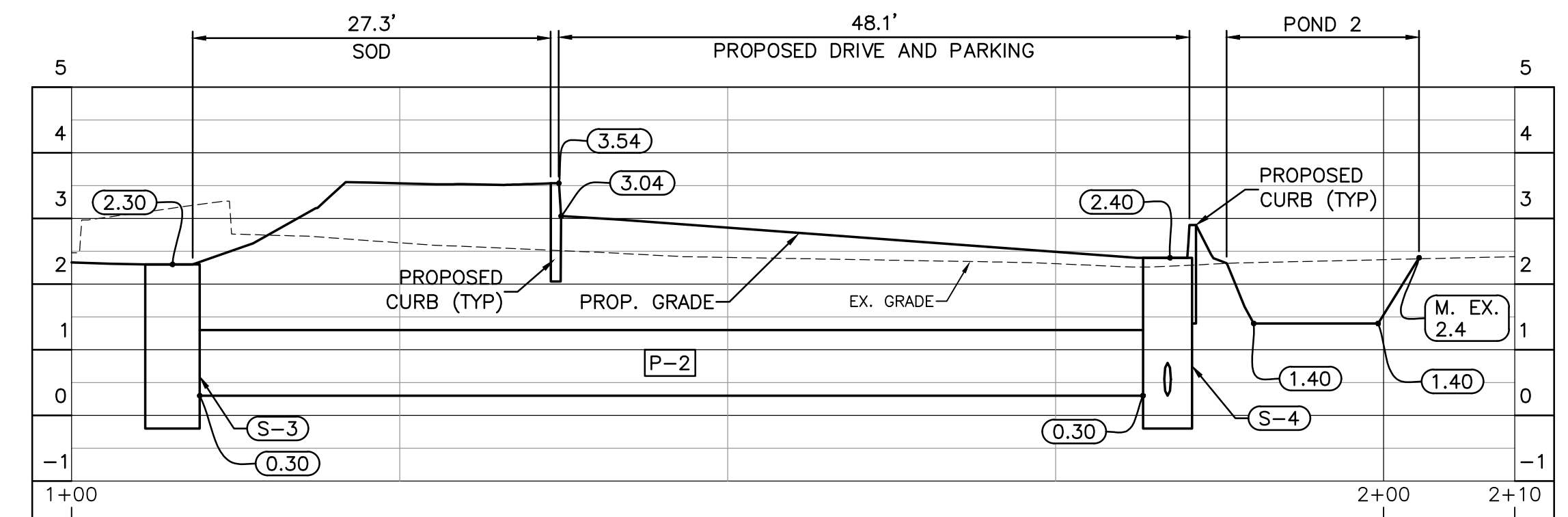
SECTION B-B  
SCALE: H:1"=10'; V:1"=2'



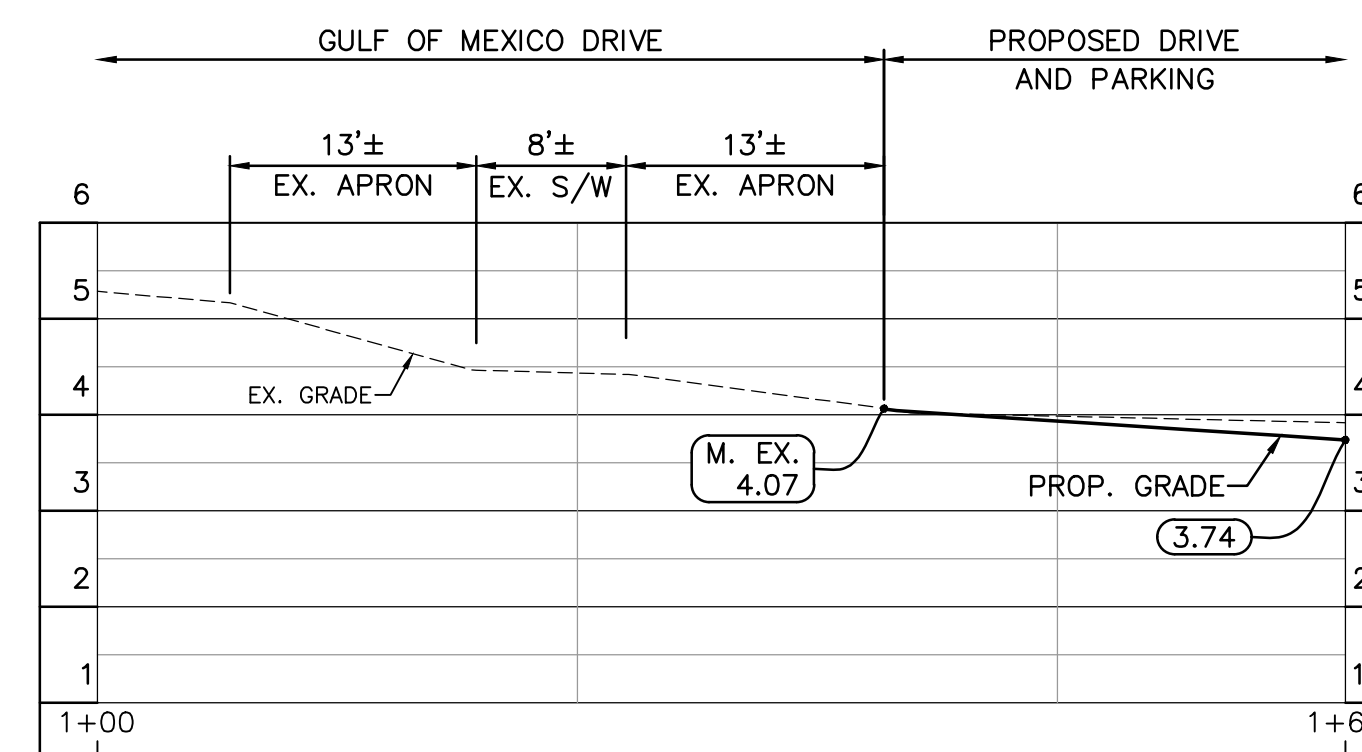
SECTION C-C  
SCALE: H:1"=10'; V:1"=2'



SECTION D-D  
SCALE: H:1"=10'; V:1"=2'



SECTION E-E  
SCALE: H:1"=10'; V:1"=2'



SECTION F-F  
SCALE: H:1"=10'; V:1"=2'

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REVISION	DATE	BY

CHRIST CHURCH OF LONGBOAT KEY, INC  
6400 GULF OF MEXICO DRIVE  
LONGBOAT KEY, FLORIDA 34228  
(703) 622-6914

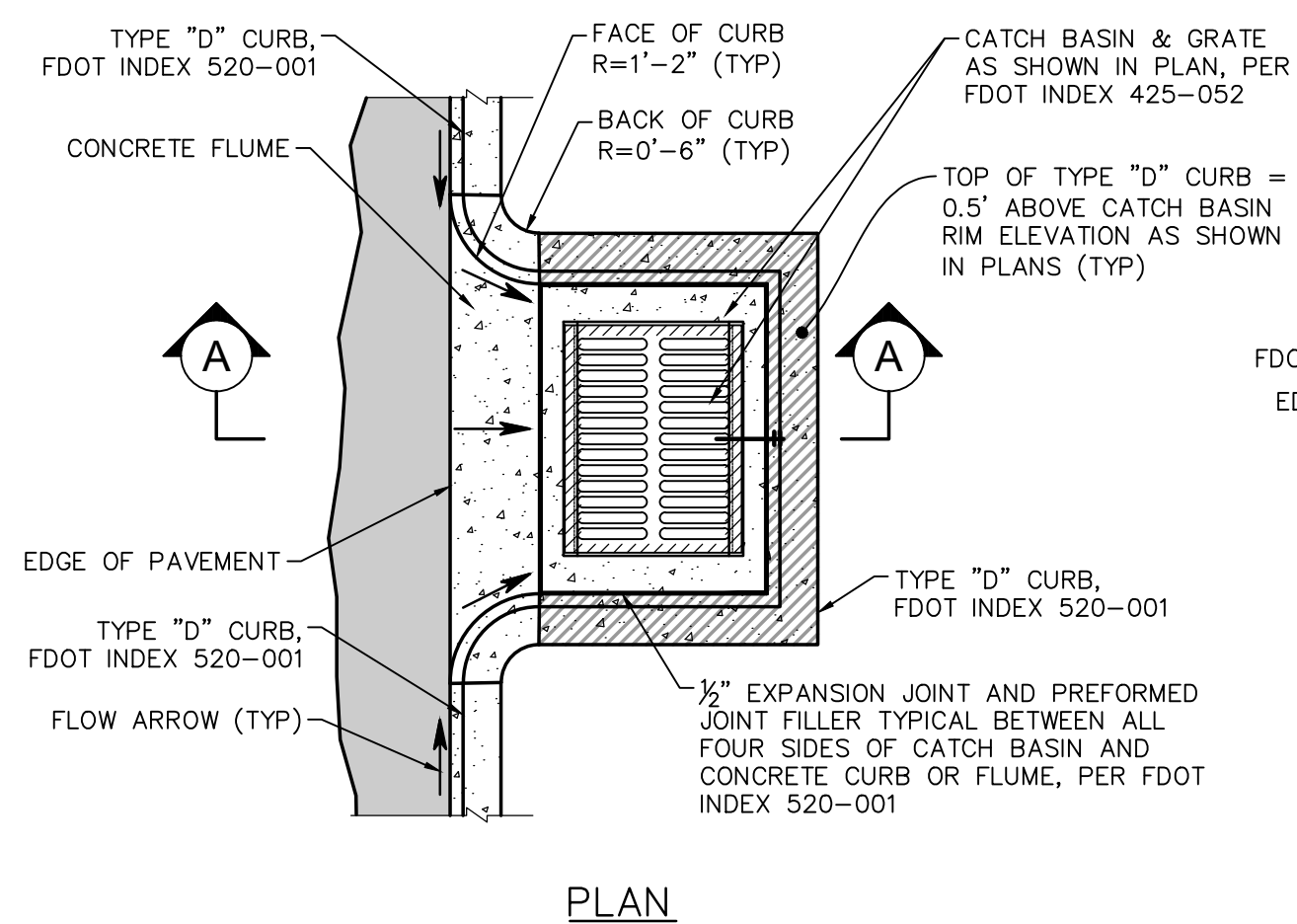


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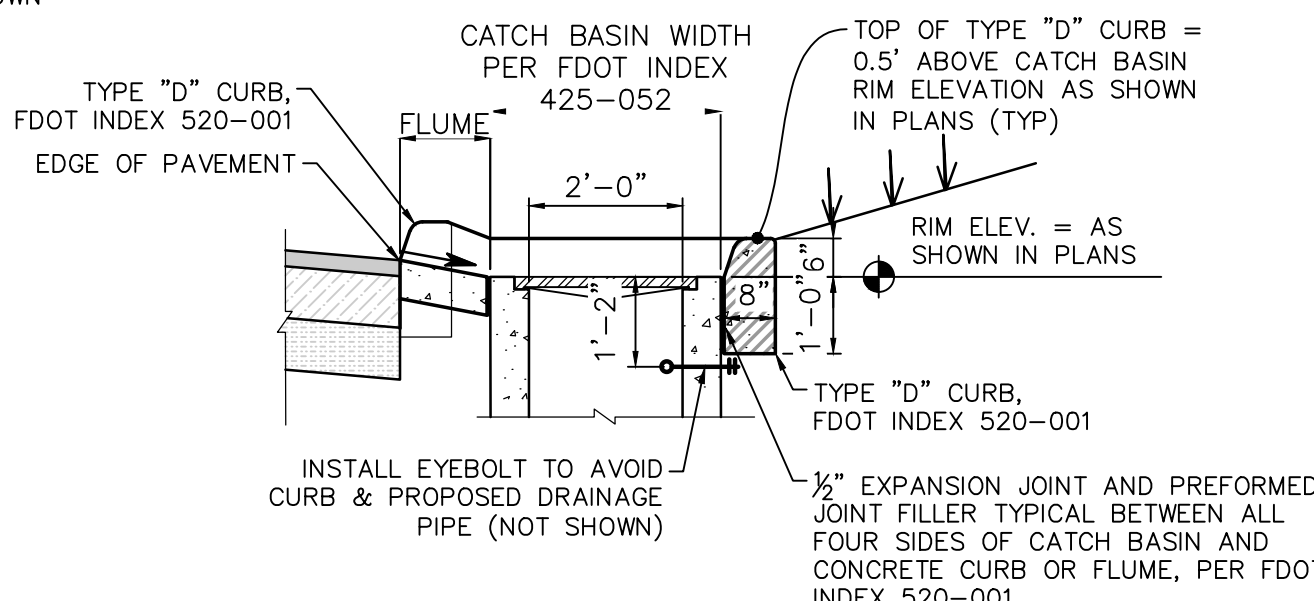
DATE 05/12/2025	CKD. BY	DATE
DRAWN RMS	AW	10/09/25
DESIGN RMS	KEM	10/09/25
SCALE @ 24x36"	DMK NO. 25-0073	

CHRIST CHURCH OF LONGBOAT KEY PARKING LOT EXPANSION  
6350 GULF OF MEXICO DRIVE, LONGBOAT KEY, FLORIDA 34228  
**PROJECT CROSS SECTIONS**

ENGINEER OF RECORD  
KREG E. MAHEU, P.E.  
STATE OF FLORIDA NO. 45766

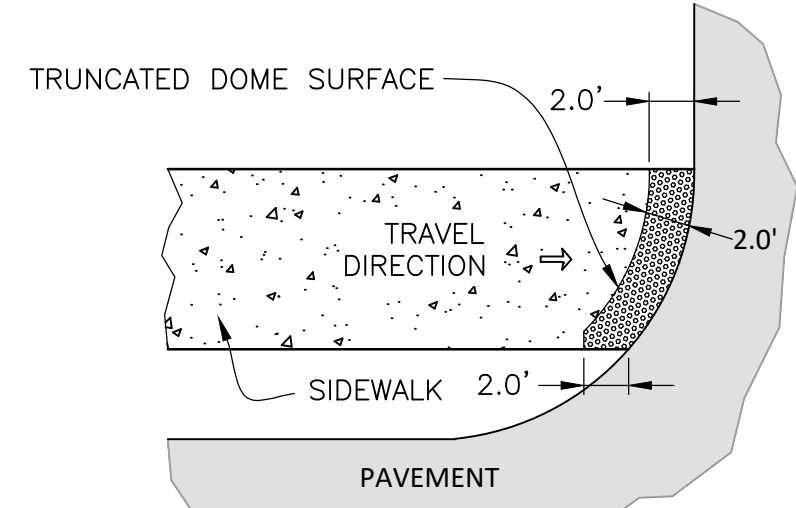


PLAN

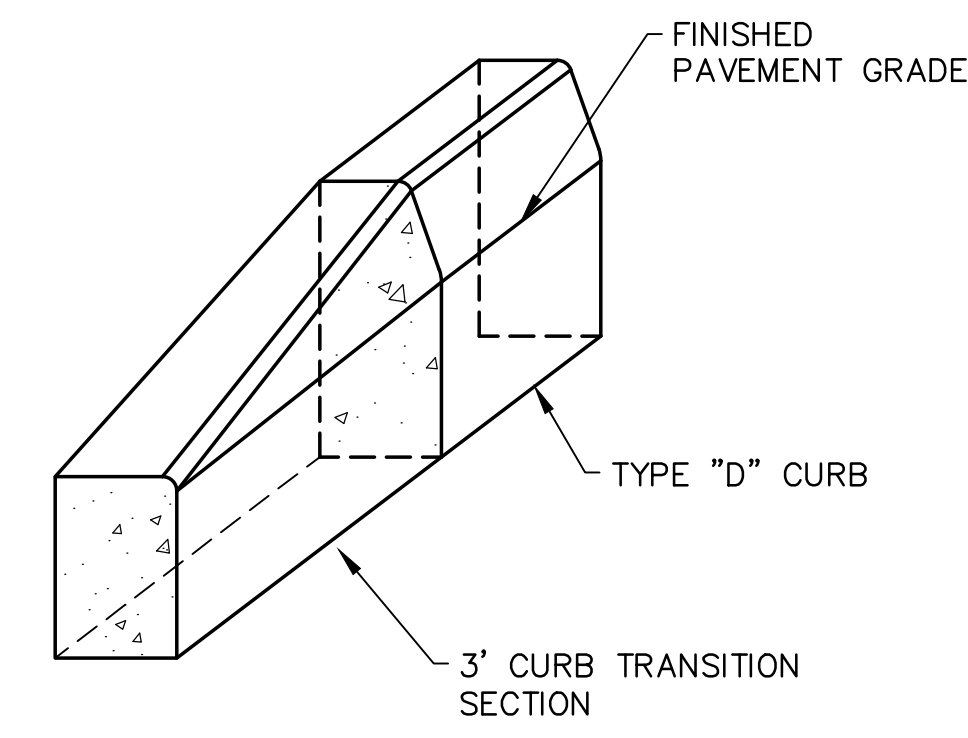


SECTION A-A

CURB INLET DETAIL  
 N.T.S.

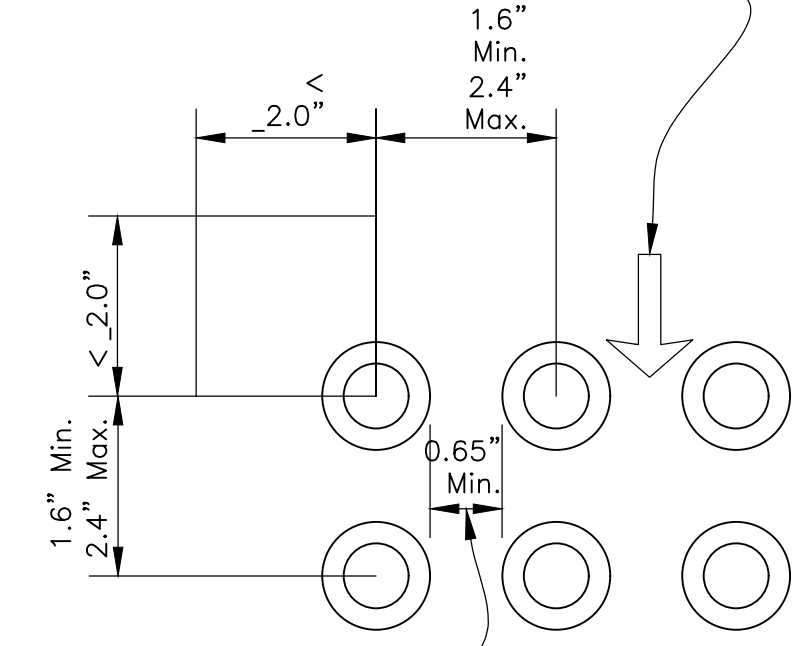


DETECTABLE WARNING SURFACE SHALL BEGIN 2' FROM NEAREST EDGE OF CURB AND EXTEND TO FARTHEST EDGE TO FIT FIELD CONDITIONS.

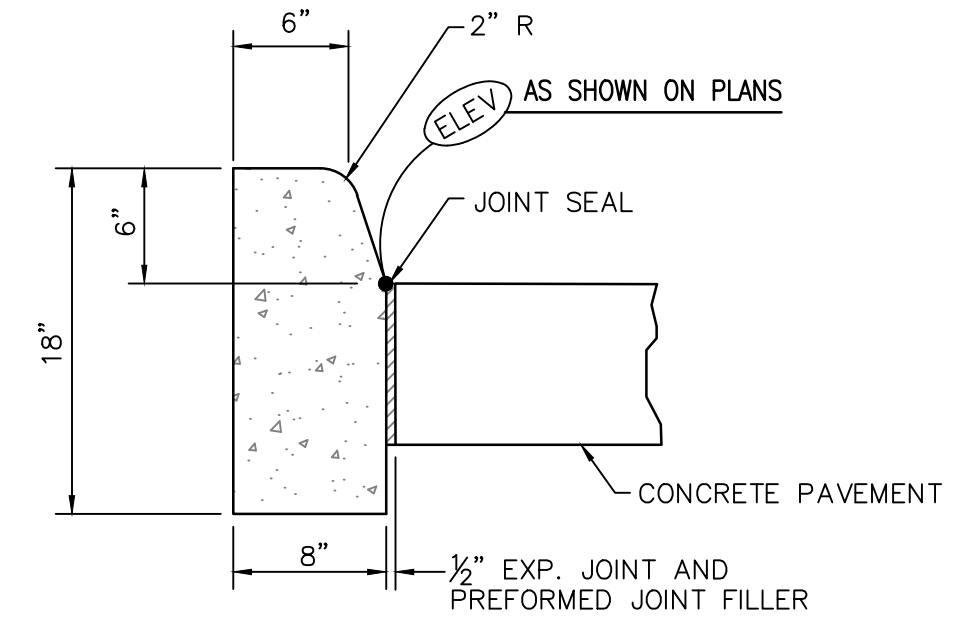


TYPE "D" CURB TO FLUSH TRANSITION DETAIL  
 N.T.S.

ON RAMPS THAT ARE PERPENDICULAR WITH THE CURB LINE, THE DOME PATTERN SHALL BE IN-LINE WITH THE DIRECTION OF TRAVEL. ON RAMPS INTERSECTING CURBS ON A RADIUS, THE DOME PATTERN SHALL BE IN-LINE WITH THE DIRECTION OF TRAVEL TO THE EXTENT PRACTICAL.

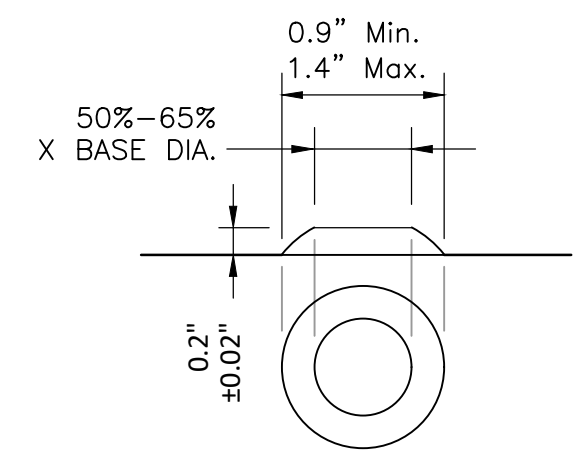


BASE-TO-BASE SPACING SHALL BE 0.65" MINIMUM BETWEEN DOMES.



- NOTES:
1. CONCRETE TO BE F.D.O.T. CLASS I OR EQUAL. (2,500 P.S.I. MINIMUM STRENGTH)
  2. CONSTRUCTION TO BE IN ACCORDANCE WITH F.D.O.T. SPECIFICATION SECTION 520.
  3. FOR USE ADJACENT TO CONCRETE OR FLEXIBLE PAVEMENT, CONCRETE SHOWN, EXPANSION JOINT, PREFORMED JOINT FILLER AND JOINT SEAL ARE REQUIRED BETWEEN CURBS AND CONCRETE PAVEMENT ONLY.

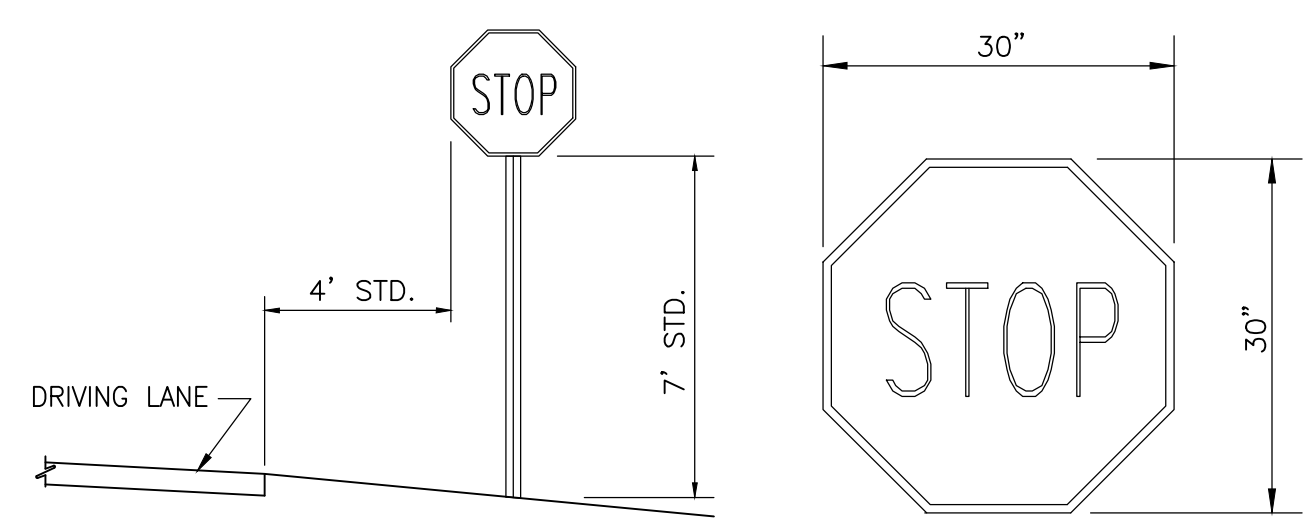
TYPE "D" CURB DETAIL  
 N.T.S.



TRUNCATED DOME  
 THE TOP WIDTH OF THE DOME SHALL BE A MINIMUM OF 50% AND A MAXIMUM OF 65% OF THE BASE DIAMETER. TRUNCATED DOMES SHALL BE PAVERS OR STAMPED CONCRETE (PAVERS PREFERRED) PLASTIC AND RUBBER MATS SHALL NOT BE USED

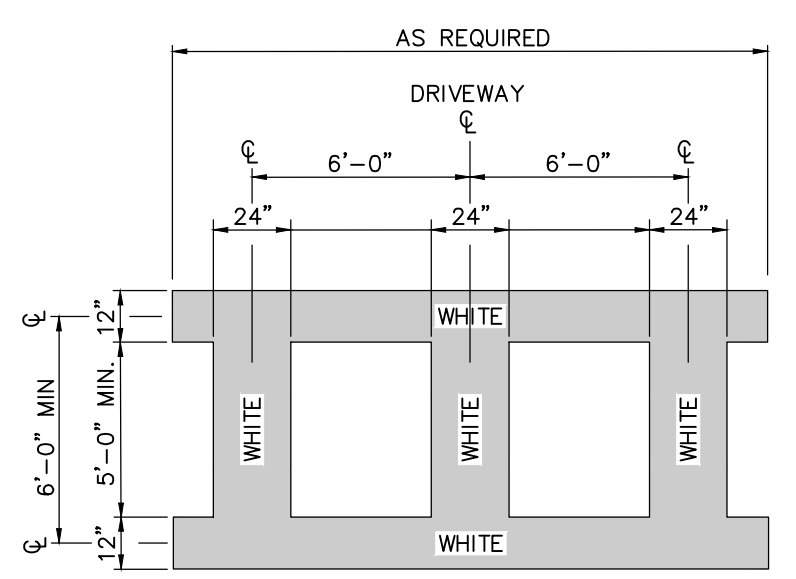
ALL SIDEWALK CURB RAMPS SHALL HAVE DETECTABLE WARNING SURFACES THAT EXTEND THE FULL WIDTH OF THE RAMP AND IN THE DIRECTION OF TRAVEL 24 INCHES FROM THE BACK-OF-CURB, OR EDGE OF PAVEMENT IF NO CURB EXISTS.

DETECTABLE WARNING DETAIL  
 N.T.S.



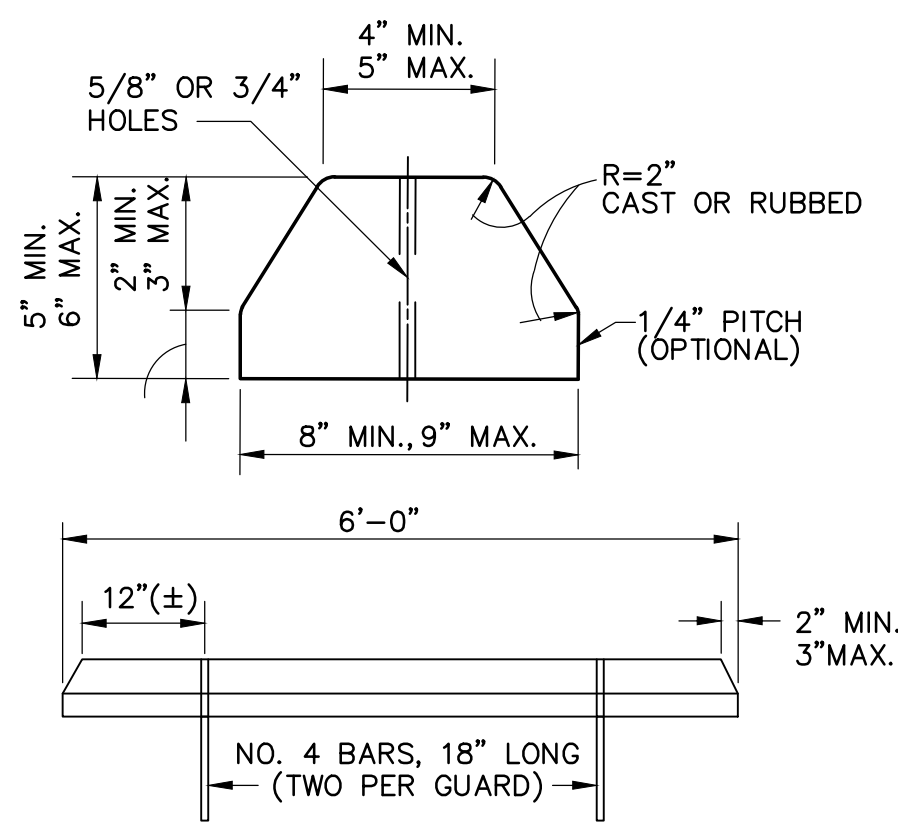
TYPICAL SIGN PLACEMENT  
 SIGN DETAIL  
 N.T.S.

30" R1-1 STOP SIGN DETAIL  
 N.T.S.



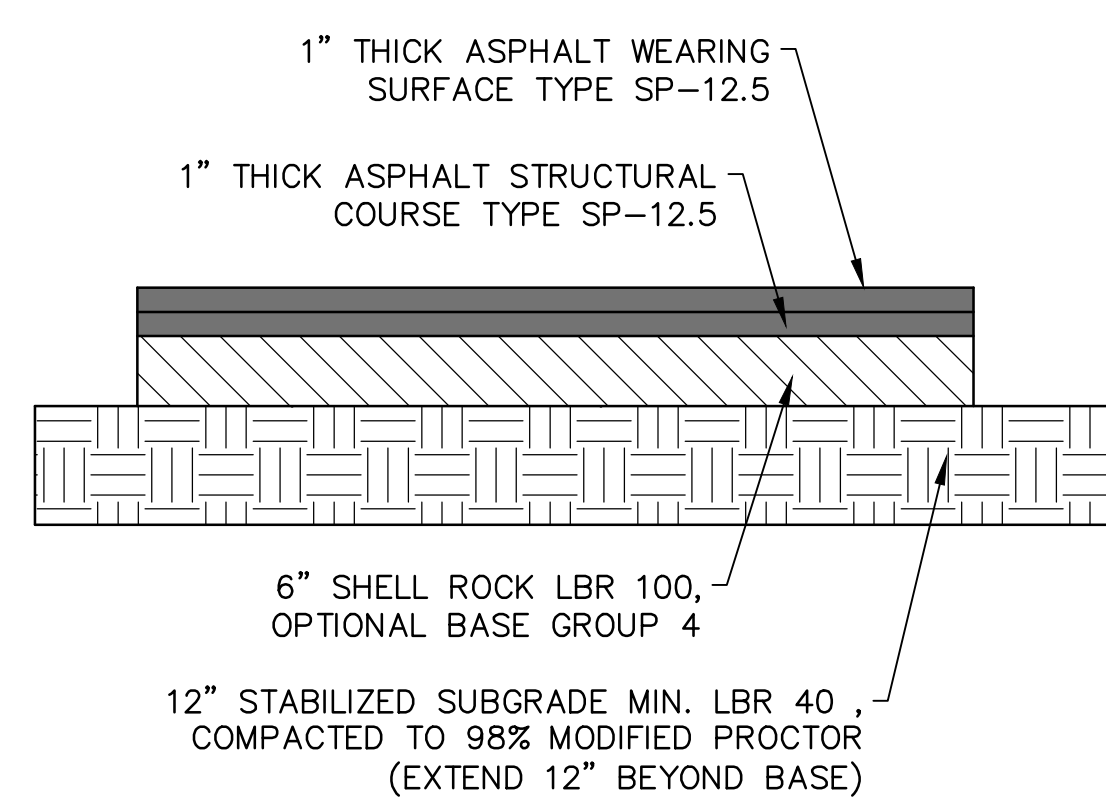
1. TRAFFIC STRIPE LOCATION TO BE IN ACCORDANCE WITH F.D.O.T. DETAIL 17346
2. TRAFFIC STRIPE MATERIAL TO BE IN ACCORDANCE WITH F.D.O.T. SPECIFICATION SECTION 710.

CROSSWALK STRIPING DETAIL  
 SCALE: N.T.S.



CONCRETE TO BE 2,500 PSI STRENGTH MINIMUM.

WHEEL STOP DETAIL  
 N.T.S.



ASPHALT PAVEMENT DETAIL  
 N.T.S.

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Drawing name: F:\Projects\2025\25-0073-Church\_LBK\_Parking Lot\Draw\25-0073-Curbing\_Tob\_Sht 8 Date Printed: Thu, 09 Oct 2025 - 1:36pm

CHRIST CHURCH OF LONGBOAT KEY, INC  
 6400 GULF OF MEXICO DRIVE  
 LONGBOAT KEY, FLORIDA 34228  
 (703) 622-6914



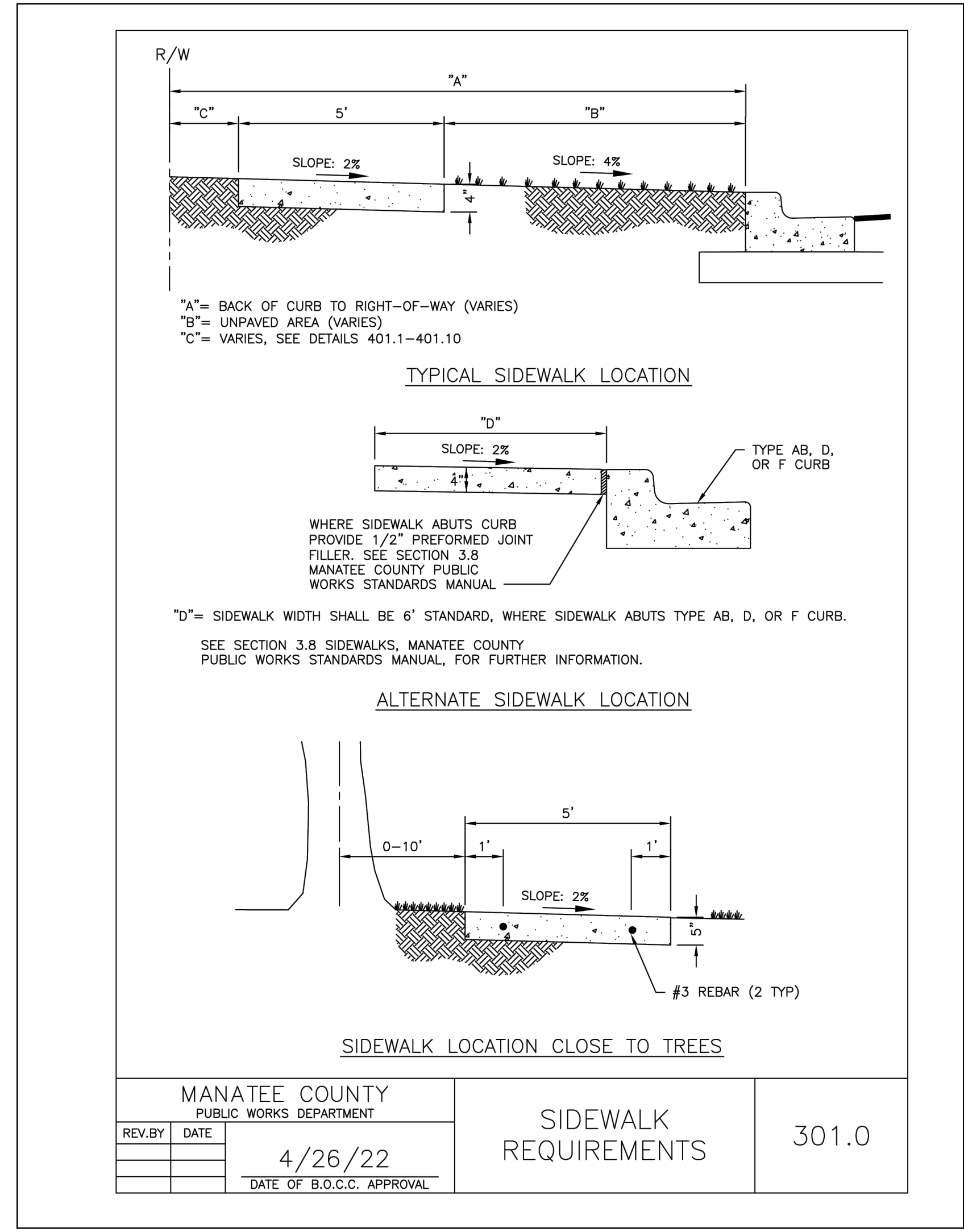
**DMK ASSOCIATES**  
 ENGINEERING, PLANNING & DESIGN  
 405 Commercial Court, Suite E Venice, Florida 34292  
 Phone: (941) 412-1293, email: info@dmkassoc.com  
 Certificate of Authorization No. 3943

DATE	CKD. BY	DATE
05/12/2025	RMS	10/09/25
	AW	
	KEM	10/09/25
	DMK NO.	25-0073

CHRIST CHURCH OF LONGBOAT KEY PARKING LOT EXPANSION  
 6350 GULF OF MEXICO DRIVE, LONGBOAT KEY, FLORIDA 34228  
 SITE DETAILS

ENGINEER OF RECORD  
 KREG E. MAHEU, P.E.  
 STATE OF FLORIDA NO. 45766

Drawing name: F:\Projects\2025\25-0073-Christ Church Parking Lot\Draw\25-0073-Cv.dwg Tab: SFT 9 Date Printed: Thu, 09 Oct 2025 1:15pm



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No.	REVISION	DATE	BY

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DATE 05/12/2025	CKD. BY	DATE
DRAWN RMS	AW	10/09/25
DESIGN RMS	KEM	10/09/25
SCALE @ 24x36"	DMK NO.	25-0073

CHRIST CHURCH OF LONGBOAT KEY PARKING LOT EXPANSION  
 6350 GULF OF MEXICO DRIVE, LONGBOAT KEY, FLORIDA 34228  
**MANATEE COUNTY SIDEWALK DETAIL**

ENGINEER OF RECORD  
 KREG E. MAHEU, P.E.  
 STATE OF FLORIDA NO. 45766

**EROSION CONTROL NOTES**  
(IF APPLICABLE)

**1. GENERAL**

THE CONTRACTOR SHALL PROVIDE ALL LABOR, EQUIPMENT, TOOLS, MATERIALS AND SERVICES NEEDED TO INSTALL ALL EROSION AND SEDIMENT CONTROL MEASURES. THESE MEASURES SHALL CONFORM TO THE PLANS AND SPECIFICATIONS AND ALL APPLICABLE STATE AND LOCAL REQUIREMENTS.

**2. WETLAND PROTECTION**

IN AREAS OF CONSTRUCTION ADJACENT TO WETLANDS, THE FOLLOWING SHALL BE PERFORMED:

- THE ACTUAL WETLAND AND REQUIRED BUFFERS, AS SHOWN ON THE PLANS, MUST BE ESTABLISHED AND ROPED OFF PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITY ADJACENT TO SAID AREAS.
- PRIOR TO THE PLACEMENT OF ANY FILL MATERIAL ADJACENT TO WETLANDS OR BUFFER AREAS, A SILTATION BARRIER SHALL BE CONSTRUCTED.
- NO RIM DITCHING OF THE WETLANDS SHALL BE PERFORMED. WATER LEVELS IN THE WETLANDS SHALL BE MAINTAINED ACCORDING TO LEVELS EXISTING PRIOR TO SITE DISTURBANCE.
- IN AREAS OF WETLANDS IN WHICH WORK IS TO BE PERFORMED, SUCH AREAS MUST BE CLEARLY STAKED AND ROPED OFF. ALONG SUCH LIMITS, A SILTATION BARRIER MUST BE CONSTRUCTED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF BARRIERS. BARRIERS SHALL REMAIN IN PLACE UNTIL ALL AREAS ARE STABILIZED.
- THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY UPON DISTURBANCE OF WETLAND AREAS. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO ALL PROTECTED AREAS.
- AREAS WHERE IMPACTS WILL BE PERFORMED SHALL BE STRIPPED OF EXISTING MATERIAL AND STOCKPILED FOR USE IN THE RE-CREATION OF THE DISTURBED AREAS OR IN LITTORAL ZONES.

**3. EARTH MOVING ACTIVITIES**

- THE CONTRACTOR SHALL EXERCISE CARE TO PRESERVE THE NATURAL LANDSCAPE AND SHALL PLAN CONSTRUCTION OPERATIONS SO AS TO PREVENT ANY UNNECESSARY DESTRUCTION, SCARRING, OR DEFACING OF THE NATURAL SURROUNDINGS. EXCEPT WHERE CLEARING IS REQUIRED FOR PERMANENT WORK, FOR APPROVED CONSTRUCTION ROADS, OR FOR EXCAVATION OPERATIONS, ALL TREES, NATIVE SHRUBBERY AND VEGETATION SHALL BE PRESERVED AND SHALL BE PROTECTED FROM DAMAGE WHICH MAY BE CAUSED BY THE CONTRACTOR'S CONSTRUCTION OPERATIONS AND EQUIPMENT.
- THE FIRST STAGE OF THE EARTH MOVING ACTIVITY SHALL BE CONFINED TO THE EXCAVATION OF THE STORMWATER FACILITY.
- TOPSOIL SHOULD BE TAKEN FROM THE CONSTRUCTION AREAS AND SHOULD BE STOCKPILED FOR REUSE IN FINISHED GRADING. STOCKPILES SHOULD BE PLACED SO AS NOT TO ADD ANY ADDITIONAL SEDIMENT TO THE CONSTRUCTION. THE STOCKPILES SHOULD BE MULCHED AND/OR SEEDED WHEN EXPOSED BEYOND THIRTY (30) DAYS.
- GRADED AREAS ARE TO BE SEED AND/OR SODDED WITHIN THIRTY (30) DAYS FOLLOWING EARTH MOVING PROCEDURES. IF THE TIME OF YEAR IS NOT CONDUCE FOR PERMANENT SEEDING, A TEMPORARY MULCH AND/OR SEEDING SHOULD BE USED.
- TEMPORARY DIVERSION BERMS AND/OR BARRIERS SHALL BE REMOVED ONLY AFTER THE CONSTRUCTION OF THOSE AREAS DIRECTED TO THE BERMS AND/OR BARRIERS HAVE BEEN COMPLETED.
- THE SILT COLLECTION PONDS SHOULD BE REMOVED AND/OR REGRADED FOR PERMANENT USE, AS THE FINAL GRADING AND SEEDING OVERLAP THE AREA USED BY SAME.

**4. FILLS**

- LAND TO BE CUT OR FILLED SHOULD BE CLEARED OF TREES, STUMPS, ROOTS, BRUSH, BOULDERS, SOD AND DEBRIS.
- FILL AREAS SHOULD BE SCARIFIED, KEYED AND DRAINED.
- FILL MATERIAL SHOULD BE FREE OF SOD, ROOTS, OR OTHER DECOMPOSABLE MATERIAL.
- THE PLACING AND SPREADING OF FILL MATERIAL SHOULD BE STARTED AT THE LOWEST POINT.
- GENERALLY, A 1:6 SLOPE SHOULD BE USED UNLESS SPECIFIC ENGINEERING DATA SHOWS A STEEPER SLOPE IS STABLE. SLOPES OF 1:4 OR FLATTER ARE DESIRABLE FOR EROSION CONTROL AND MAINTENANCE.
- FILLS SHOULD BE SEED AND/OR MULCHED IMMEDIATELY UPON COMPLETION OF EARTH PLACEMENT.
- WATER MANAGEMENT SYSTEMS SHOULD BE PROVIDED TO PREVENT WATER CONCENTRATION AND ERODING THE FACE OF THE SLOPE. KEEP SURFACE WATER OFF THE FACE OF THE SLOPE.

**6. TEMPORARY SEDIMENT BASIN AND PERMANENT STORMWATER BASINS**

- SITE PREPARATION**  
AREAS UNDER THE EMBANKMENT AND ANY STRUCTURAL WORKS SHALL BE CLEARED, GRUBBED AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS AND OTHER OBJECTIONABLE MATERIALS. IN ORDER TO FACILITATE CLEAN-OUT AND RESTORATION, THE POOL AREA (MEASURED AT THE TOP OF THE SPILLWAY) WILL BE CLEARED OF ALL BRUSH AND TREES.
- CUT-OFF TRENCH**  
A CUT-OFF TRENCH, WHEN POND DEPTHS ARE IN EXCESS OF THREE FEET, SHALL BE EXCAVATED ALONG THE CENTERLINE OF EARTH FILL EMBANKMENTS. THE MINIMUM DEPTH SHALL BE TWO FEET. THE CUT-OFF TRENCH SHALL EXTEND UP BOTH ABUTMENTS TO THE RISER CREST ELEVATION. THE MINIMUM BOTTOM DEPTH SHALL BE FOUR FEET, BUT WIDE ENOUGH TO PERMIT OPERATION OF EXCAVATION AND COMPACTION EQUIPMENT. THE SIDE SLOPES SHALL BE NO STEEPER THAN 1:1. COMPACTION REQUIREMENTS SHALL BE THE SAME AS THOSE FOR THE EMBANKMENT. THE TRENCH SHALL BE DEWATERED DURING THE BACKFILLING-COMPACTION OPERATIONS.
- EMBANKMENT**  
THE FILL MATERIAL SHALL BE TAKEN FROM APPROVED BORROW AREAS. IT SHALL BE CLEAN SOIL FREE OF ROOTS, WOODY VEGETATIONS, OVER-SIZED STONES, ROCKS OR OTHER OBJECTIONABLE MATERIAL. AREAS ON WHICH FILL IS TO BE PLACED SHALL BE SCARIFIED PRIOR TO PLACEMENT OF FILL. FILL MATERIAL SHALL BE PLACED IN SIX TO EIGHT INCHES THICK CONTINUOUS LAYERS OVER THE ENTIRE LENGTH OF THE FILL. COMPACTION SHALL BE OBTAINED BY ROUTING HAULING EQUIPMENT OVER THE FILL SO THAT THE ENTIRE SURFACE OF EACH LAYER OF THE FILL IS TRAVERSED BY AT LEAST ONE WHEEL OF TREAD TRUCK OF THE EQUIPMENT OR BY THE USE OF A COMPACTOR. THE EMBANKMENT SHALL BE CONSTRUCTED TO AN ELEVATION OF 10% HIGHER THAN THE DESIGN HEIGHT TO ALLOW FOR SETTLEMENT IF COMPACTION IS OBTAINED WITH HAULING EQUIPMENT. IF COMPACTORS ARE USED FOR COMPACTION, THE OVERBUILD MAY BE REDUCED TO NOT LESS THAN 5%.
- PIPE SPILLWAYS**  
THE RISER SHALL BE SECURELY ATTACHED TO THE BARREL OF THE OUTFALL PIPE. THE BARREL AND RISER SHALL BE PLACED ON A FIRM, SMOOTH SOIL FOUNDATION. THE CONNECTION BETWEEN THE RISER AND RISER BASE SHALL BE WATERTIGHT. THE FILL MATERIAL AROUND THE PIPE SPILLWAY SHALL BE PLACED IN FOUR INCH LAYERS AND COMPACTED UNDER THE SHOULDERS AND AROUND THE PIPE TO AT LEAST THE SAME DENSITY AS THE ADJACENT EMBANKMENT. HAND COMPACTED BACKFILL SHALL BE PLACED OVER THE PIPE SPILLWAY BEFORE CROSSING IT WITH CONSTRUCTION EQUIPMENT.
- EROSION POLLUTION CONTROL**  
CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION WILL BE MINIMIZED. STATE AND LOCAL LAWS CONCERNING POLLUTION ABATEMENT SHALL BE COMPLIED WITH.

**7. MAINTENANCE**

- REPAIR ALL DAMAGES CAUSED BY SOIL EROSION OR CONSTRUCTION EQUIPMENT AT OR BEFORE THE END OF EACH WORK DAY.
- SEDIMENT SHALL BE REMOVED FROM SUMP AREAS. THE SEDIMENT SHALL BE PLACED IN SUCH A MANNER THAT IT WILL NOT ERODE FROM THE SITE. THE SEDIMENT SHALL NOT BE DEPOSITED DOWNSTREAM FROM THE EMBANKMENT OR IN OR ADJACENT TO A STREAM OR FLOOD PLAIN.
- AFTER CONSTRUCTION IS COMPLETED AND AREAS ARE SEED AND/OR SODDED, MAINTENANCE IS LIMITED TO VISUAL INSPECTIONS ON A ROUTINE BASIS. ANY DAMAGE TO THE BERM SHALL BE REPAIRED AT ONCE AND RE-SODDED AND/OR RE-SEED. IF THE LEVEL OF WATER IS BEING MAINTAINED OVER THE EXPECTED DRAW DOWN TIME, THE OUTFALL SYSTEM SHALL BE CLEANED AND REPAIRED.

**8. BEST MANAGEMENT PRACTICES**

DEWATERING WILL OCCUR, AS REQUIRED, FOR ALL EXCAVATION ACTIVITY INCLUDING, BUT NOT LIMITED TO STORM SEWERS, SANITARY SEWERS, WATER & SEWER LINES AND STORMWATER PONDS.

ALL DEWATERING EFFLUENT SHALL BE ROUTED TO THE TEMPORARY SEDIMENT SUMP PRIOR TO DISCHARGE TO THE WETLANDS OR OFFSITE. THE GENERAL PROCESS OF THE DEWATERING SYSTEM SHALL BE ADHERED TO DURING CONSTRUCTION, ALTHOUGH THE ACTUAL LAYOUT OF THE SYSTEM SHALL BE CONSTRUCTED AS DICTATED BY FIELD CONDITIONS.

IF THE DEWATERING SYSTEM USES A PUMP AND PIPING, IT MUST BE LESS THAN 6 INCHES IN DIAMETER AND OPERATE LESS THAN A TOTAL SIX MONTHS. ANY DEVIATION FROM THIS REQUIREMENT SHALL REQUIRE A WATER USE PERMIT. THE COST OF A WATER USE PERMIT AND ASSOCIATED MATERIAL SHALL BE BORNE BY THE CONTRACTOR.

ALL SILTATION AND EROSION CONTROL MEASURES SHALL BE INSPECTED AND MAINTAINED AT A MINIMUM OF ONCE PER WEEK OR AFTER ANY 1/2" OR GREATER RAINFALL EVENT. THE CONTRACTOR SHALL MAINTAIN RECORDS OF ALL MAINTENANCE AND INSPECTIONS UNTIL CONSTRUCTION IS COMPLETE.

LAY SOD AROUND ALL INLETS, MITERED END WALLS HEADWALLS, SWALES, POND SLOPES, AND A THREE FOOT (3') WIDE STRIP ADJACENT TO EDGE OF PAVEMENT OR AS DIRECTED BY THE ENGINEER AS SOON AS PRACTICAL TO PREVENT EROSION.

THE CONTRACTOR SHALL ABIDE BY ALL APPLICABLE REQUIREMENTS AND CONDITIONS OF SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT (S.W.F.W.M.D.) PERMIT AND HAVE A COPY ON SITE.

SILTATION ACCUMULATIONS GREATER THAN THE LESSER OF 12 INCHES OR ONE-HALF OF THE DEPTH OF THE SILTATION CONTROL BARRIER SHALL BE IMMEDIATELY REMOVED AND PLACED IN UPLAND AREAS.

CONTRACTOR SHALL SPRINKLE OR OTHERWISE APPLY WATER TO AFFECTED AREAS TO CONTROL BOTH SIGNIFICANT WIND EROSION AND FUGITIVE DUST.

THE CONTRACTOR SHALL DIRECT ONSITE RUNOFF TO THE STORMWATER SYSTEM DURING CONSTRUCTION.

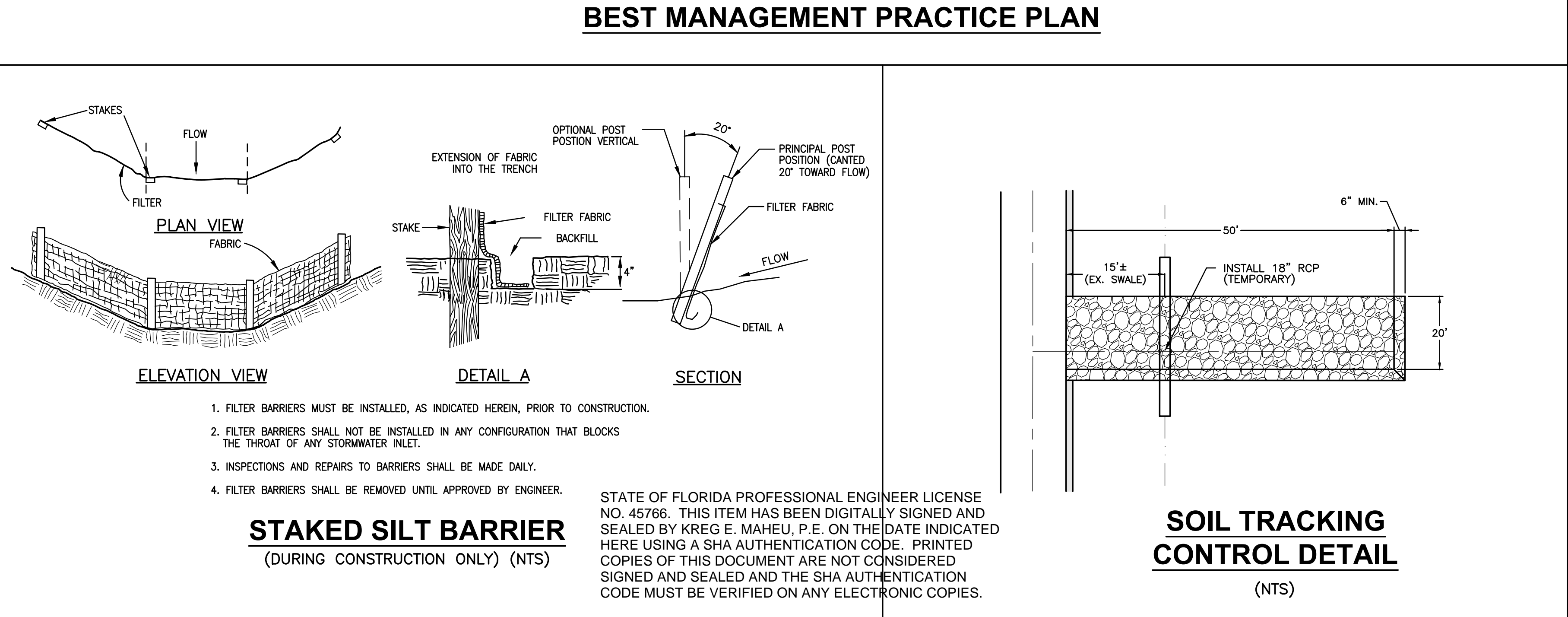
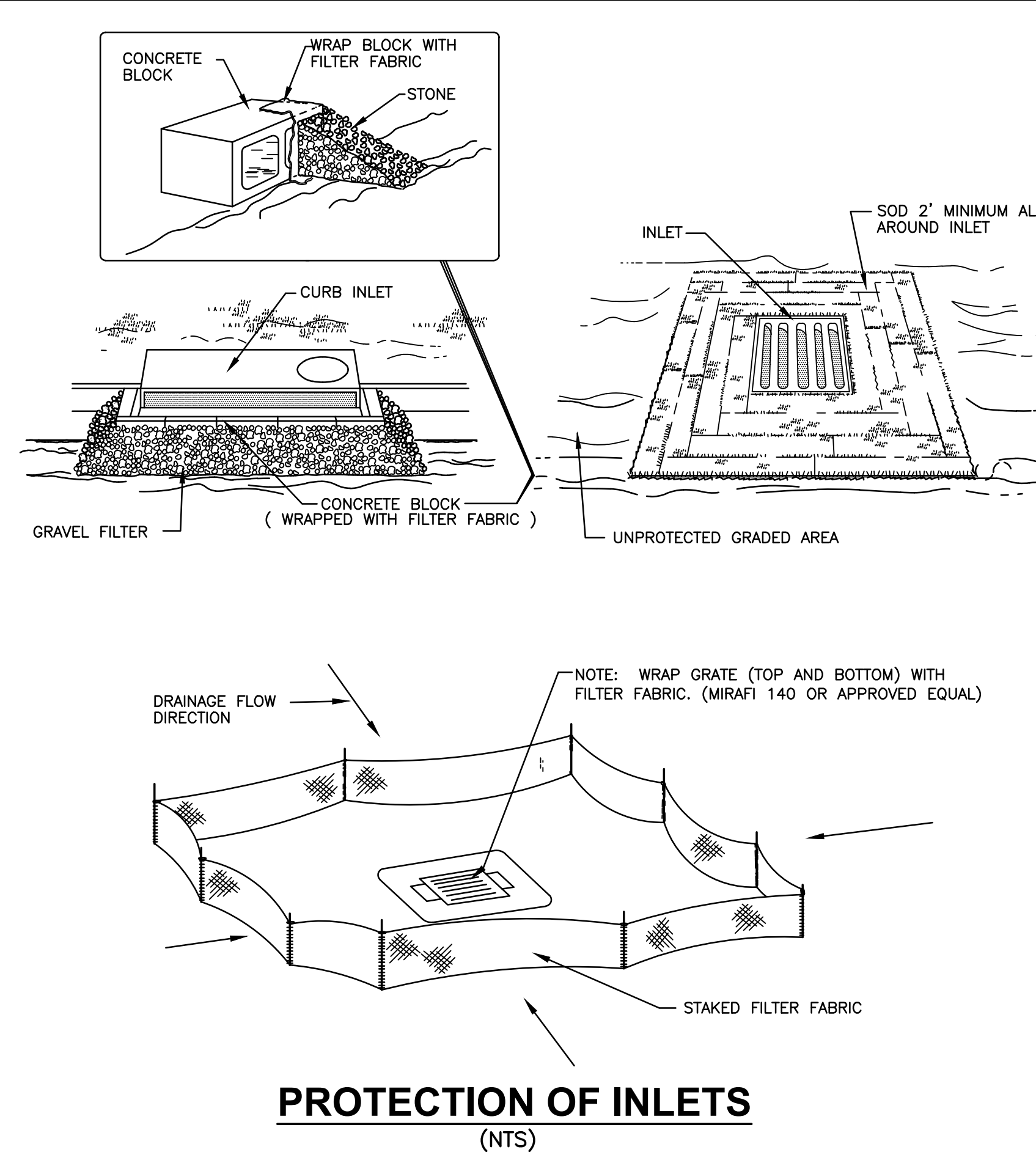
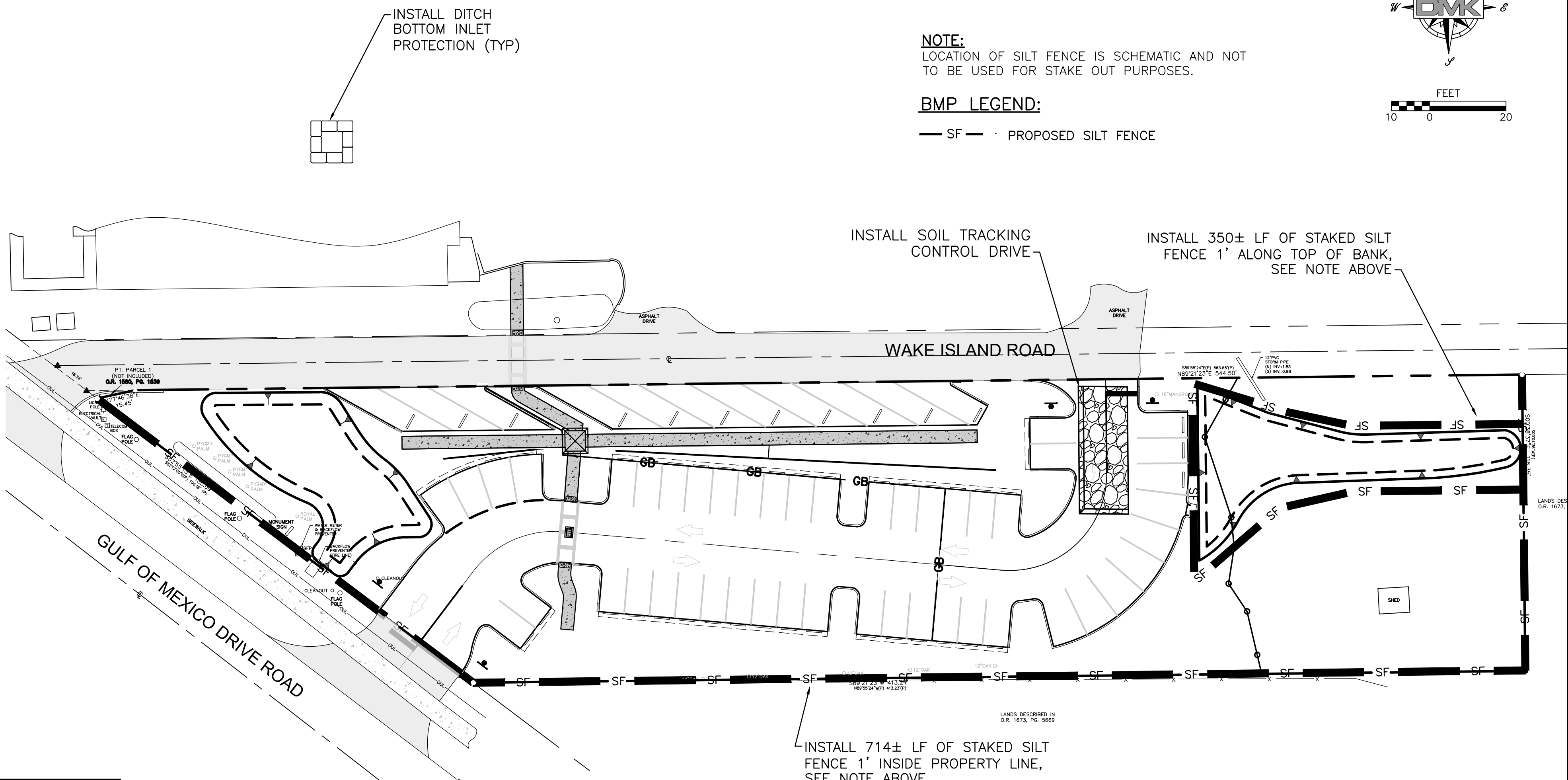
THE CONTRACTOR SHALL EMPLOY EROSION/SEDIMENT PREVENTION MEASURES, AS STATED WITHIN THE "BEST MANAGEMENT PRACTICES SPECIFICATIONS AND DETAILS". FOR THE DURATION OF CONSTRUCTION.

ALL DISTURBED AREAS SHALL BE SODDED AS SOON AS PRACTICAL TO PREVENT EROSION.

SODDING IS TO BE MAINTAINED, INCLUDING SLOPES, UNTIL COMPLETION AND ACCEPTANCE OF TOTAL PROJECT OR GROWTH IS ESTABLISHED, WHICHEVER COMES LAST. UNTIL THEN, ALL EROSION, SILTATION, AND MAINTENANCE OF GRADES AND GRASS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

ALL PROVISIONS FOR EROSION CONTROL SHALL BE ADHERED TO.

THE CONTRACTOR SHALL ADJUST OR MODIFY ALL UTILITY COVERS AS REQUIRED BY CONSTRUCTION DEPICTED WITHIN THESE PLANS. THESE SHALL INCLUDE, BUT NOT BE LIMITED TO MANHOLE RIMS, HAND HOLES, VALVE BOXES, ET. UTILITY COVERS SHALL BE FLUSH WITH THE FINISHED PAVEMENT GRADE.



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NO.	REVISION	DATE	BY

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DATE	CKD. BY	DATE
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	AW	
	KEM	

CHRIST CHURCH OF LONGBOAT KEY PARKING LOT EXPANSION  
6350 GULF OF MEXICO DRIVE, LONGBOAT KEY, FLORIDA 34228  
BEST MANAGEMENT PRACTICES NOTES, DETAILS AND PLAN

ENGINEER OF RECORD  
KREG E. MAHEU, P.E.  
STATE OF FLORIDA NO. 45766

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SHEET NO.