#### PERMITS

- MARION COUNTY IMPROVEMENT PLAN
   S.W.F.W.M.D. E.R.P. PENDING
- S.W.F.W.M.D. E.R.P. PENDING
   FDEP POTABLE WATER PENDING

#### REQUESTED WAIVERS:

# IMPROVEMENT PLANS





#### NOTES:

- BASED ON THE FEDERAL EMERGENCY MANAGEMENT ANGENCY'S FLOOD INSURANCE RATE MAP (FIRM), COMMUNITY PANE NO. 1288/2070/26, EFFECTIVE DATE OF APRIL 19, 2017. THE PROPERTY DESCRIBED HEREON LIES WITHIN FLOOD ZONES "X", X
- 2. THIS PROJECT IS LOCATED IN THE SILVER SPRINGS SECONDARY SPRINGS PROTECTION ZONE.
- ALL UTILITIES UNDER EXISTING OR PROPOSED PAVEMENT SHALL BE SLEEVED IN ACCORDANCE WITH SECTION B.2.6A OF THE MARION COUNTY LAND DEVELOPMENT CODE.
- 4. SIGHT DISTANCE AT DRIVEWAYS COMPLIES WITH FDOT REQUIREMENTS.
- 5. VERTICAL DATUM IS BASED ON NATIONAL GEODETIC SURVEY BENCHMARK DESIGNATION U 427, ELEVATION 59.81 (NAVD 1988)
- THIS PROPOSED PROJECT HAS NOT BEES GRANTED CONCURBENCY APPROVAL AND/OR GRANTED AND/OR RESERVED ANY PUBLIC FACILITY CAPACITIES. FUTURE RICHEST OR DEFERENCE TO A DEFERENCE CONCURBENCY DETERMINATION, AND FINAL APPROVAL TO BUYLOF THE PROPERTY HAS NOT BEEN OBTAINED. THE COMPLETION OF MORE AND ADDRESS OF THE COMPLETION OF
- 8. ALL PROPOSED ROADS ARE TO BE LOCAL SUBDIVISION WITH PRIVATE ROAD STATUS.
- NO CHANGE TO THE WORK AS SHOWN ON THE APPROVED PLANS SHALL BE MADE WITHOUT NOTIFICATION TO AND APPROVAL BY THE OFFICE OF THE COUNTY ENGINEER.
- 10. ORIENTATION FOR THE IMPROVEMENTS SHOWN HEREON SHOULD NOT BE USED TO RECONSTRUCT BOUNDARY LINES.

#### BASIS OF BEARING:

BEARINGS AND COORDINATES SHOWN HEREON ARE BASED ON THE FLORIDA STATE PLANE COORDINATE SYSTEM, WEST ZONE, NORTH AMERICA! DATUM OF 1983 (NAD 83), WITH 2011 ADJUSTMENT AS DERIVED FROM THE FLORIDA DEPARTMENT OF TRANSPORTATION VIRTUAL REFERENCE STATION NETWORK

#### BENCHMARKS:

TEMPORARY RENCHMARK (100) FOUND NAIL & DISC (I B 6707) N 1778869 2520 E 625782 0160 ELEV 71 27: (NAVD 1988)

TEMPORARY BENCHMARK: FOUND 4" x 4" CONCRETE MONUMENT (FDOT) N.1778346.3110, E.628497.0010, ELEV. 69.91' (NABD 1988)

#### LEGAL DESCRIPTION

PARCEL IB

COMMENCE AT THE SECRET IS ANCHE IT AS IN MEDICAL TOWN IN THE SECRET IS ANCHE IT AS IN THE SECRET IS AN OFFICE IN THE SECRET IN THE SECRET IS AN OFFICE IN THE SECRET IS AN OFFI

## FREEDOM COMMONS SW 85th STREET EXTENSION

SECTION 15, TOWNSHIP 16, RANGE 21 MARION COUNTY, FLORIDA

#### THIS SITE CONTAINS

PROPOSED ROADWAY RIGHT-OF-WAY = 90 FT (1543.3) & 50 FT (303.2)

TOTAL RIGHT-OF-WAY AREA = 3.18 ac (138.539.8 s)

TOTAL PROJECT AREA = 3.28 ac (142.701.3 sf)

PROPOSED IMPERVIOUS AREA = 1.18 ac (51,532.3 sf)

FUTURE IMPERVIOUS AREA = 1.08 ac (51,932.3 sf)

ROADWAY LENOTH = 0.35 mi (1,855 LF)

ROADWAY CLASSIFICATION: MINOR LOCAL

LAND USE:N/A

ZONING: N/A



VICINITY MAP

 OWNER/DEVELOPER
 GEOTECHNICAL CONSULTANT:

 FREEDOM COMMONS DEVELOPMENT, I.L.C
 GEO-TRELI, INC

 CONTACT: FRED.C. ARMSTRONG
 CONTACT: CRAIG HAMPY

 HISS WI 7hs STREED
 068 S.E. 2RD AVENUE

 OCALA, FL. 34471
 OCALA, FL. ORIDA 34471

 PHONE (353) 624-0120
 PHONE (355) 694-7011

SURVEYOR.

JCH CONSULTING GROUP, INC.

CONTACT: CHRISTOPHER J. HOWSON, P.S.M., CFM
426 S.W. 15th ST.

OCALA, FLORIDA 34471

PHONE: (352) 405-1482

#### CIVIL ENGINEER: TILLMAN AND ASSOCIATES ENGINEERING, LLC CONTACT:

TILEMAN AND ASSOCIATES ENGINEERING, LIC CONTACT CONTACT: TIMOTHY BROOKER, JR., P.E. 1720 S.E. 16th AVE, BLDG. 100 OCALA, FLORIDA 34471 PHONE: (352) 387-4540

#### UTILITY COMPANIES:

WATER / SEWER MARION COUNTY UTIL ELECTRIC SUMTER ELECTRIC CABLE/PHONE/INTERNET CHARTER COMM.

#### CUSTOMER SERVICE 24/7/365 PAULA PERRY DISPATCH DISPATCH

PERRY 35 CH 80 CH 85 CH 85

#### INDEX OF SHEETS

01.01	COVER SHEET
02.01	GENERAL NOTES
03.01	AERIAL PHOTOGRAPH
04.01	TYPICAL ROADWAY SECTIONS
05.01	HORIZONTAL CONTROL PLAN
06.01	MASTER DRAINAGE PLAN
07.01 - 07.02	PLAN & PROFILES
08.01	SIGNAGE & STRIPING PLAN
09.01	ROADWAY & PAVEMENT DETAIL
10.01	DRAINAGE DETAILS
11.01 - 11.02	EROSION CONTROL PLAN & DETAILS

SI 01 SI PEVING DI AN

1 - 8 BOUNDARY & TOPOGRAPHIC SURVEY (PREPARED BY JCH CONSULTING GROUP INC.)

#### OWNER'S SIGNATURE

THEREBY CERTIFY THAT I, MY SUCCESSORS, AND ASSIGNS SHALL PERPETUALLY MAINTAIN THE IMPROVEMENTS AS SHOWN OF

FRED C. ARMSTRONG FREEDOM COMMONS DEVELOPMENT, LLC

#### ENGINEER CERTIFICATION

I HEREBY CERTIFY THAT THESE PLANS AND CALCULATIONS WERE COMPLETED IN ACCORDANCE WITH ALL APPLICABLE REQUIREMENTS OF THE MARION COUNTY LAND DEVELOPMENT CODE (LDC), EXCEPT AS WAIVED.

TIMOTHY BROOKER Jr., P.I

#### SURVEYOR'S CERTIFICATE

HEREBY CERTIFY THAT THE SURVEY REPRESENTED HEREON IS IN ACCORDANCE WITH ALL APPLICABLE REQUIREMENTS OF HE LDC. AND MEETS THE STANDARDS OF PRACTICE AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS TO MAPPERS.

CHRIS HOWSON

#### COUNTY ENGINEER'S SIGNATURE

I HEREBY CERTIFY THAT I, MY SUCCESSORS, AND ASSIGNS SHALL PERPETUALLY MAINTAIN THE IMPROVEMENTS AS SHOWN OF THIS PLAN.

TRACY STRAUB, P.E. MARION COUNTY ENGINEER

COVER SHEET

DATE 8/5/24

DRAWN BY KD

CHKD. BY TB

JOB NO. 24-9046

SHT. 01.01

#### ENERAL NOTES

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF SIZE AND LOCATION OF ALL EXISTING UTILITIES AND RELATED CONSTRUCTION PRIOR TO COMMENCEMENT OR WORK CONTRACTOR SHALL CONTRACT SUNSHINE STATE ONE CALL OF FLORIDA, INC. AT 1-20 C412-7(7), IN ACCORDIANCE WITH CHAPTER SS, FLORIDA STATUTES
- ALL CONSTRUCTION TO BE IN ACCORDANCE WITH THE LATEST STANDARDS OF MARION COUNTY AND FOO
- ALL TRACEIC CONTROL SIGNS SHALL BE IN ACCORDANCE WITH THE MANUAL ON LINEORM TRACEIC CONTROL DEVICES
- WHERE MUCK OR OTHER ORGANIC MATERIAL IS FOUND, IT SHALL BE REMOVED AND REPLACED BY GOOD QUALITY BACKFILL MATERIAL OBTAINED FROM THE GRADING OPERATIONS OR OTHER SOURCE APPROVED BY THE ENGINEER. THE ORGANIC MATERIAL SHALL BE THAN USED AS TOP DESIGNING WHERE MIXED WITH DESIGN AND YOUR.
- AS PART OF THE CLEARING AND GRUBBING OPERATION, THE CONTRACTOR IS TO REMOVE EXISTING FACILITIES AND / OR FENCING FROM THE SITE AS SHOWN ON PLANS.
- THE CONTRACTOR SHALL NOTIFY <u>MARRON COUNTY</u> ENGINEERING DIVISION AND TILIMAN AND ASSOCIATES ENGINEERING, LIC AT LEAST ONE WEEK BEFORE COMMENCEMENT OF ANY CONSTRUCTION. CONTRACTOR SHALL OBTAIN A MARION COUNTY R/W PERMIT
- UM SEPARATION OF 1.5 FEET BETWEEN THE LIMEROCK BASE AND THE HIGHEST GROUNDWATER ELEVATION SHALL BE NED WITHIN THE RIGHT-OF-WAY. CONTRACTOR TO NOTIFY ENGINEER IF 1.5 FEET OF SEPARATION IS NOT ACHEVED.
- A PRE-CONSTRUCTION MEETING IS REQUIRED PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- PER SECTION 82-373, CODE OF ORDINANCES: FOR ANY WORK WITHIN PUBLIC RIGHT OF WAYS, A RIGHT OF WAY LITILIZATION PERMIT MUST BE OBTAINED FROM THE ENGINEERING DEPARTMENT A MINIMUM OF 48 HOURS PROR TO THE START OF CONSTRUCTION.
- THE CONTRACTOR SHALL SUBMIT THERE (3) SETS OF STANDARD SHOP DRIVINGS AND ANAMACTURES'S CATALOGS WITH THE MODEL INJURIES OF THE OFFICE OF STANDARD WITH THE MODEL SHARED OF THE STANDARD OF SECOND AND ANAMACTION. ALL UTELY SHOP OF MODEL OF THE STANDARD OF SECOND AND ANAMACTION OF THE STANDARD OF SECOND AND ANAMACTION OF THE STANDARD OF SECOND OF THE STANDARD OF SECOND OF THE STANDARD OF SECOND AND ANAMACTION OF THE STANDARD OF SECOND OF THE STANDARD OF
- ALL AS BUILTS SHALL COMPLY WITH THE CURRENT LDC, SECTION 6.14.8 AND RETURNED IN NADES W. FORMAT WITH NORTHING AND EASTING COORDINATES FOR ALL ITEMS UNDER WATER AND WASTEWATER COMPONENTS.
- MCU PERSONNEL ARE TO INSPECT ANY WORK PERFORMED ON OR AROUND EXISTING MCU INFRASTRUCTURE. A PRE-CONSTRUCTION MEETING 5 REQUIRED TO SEE HELD A NUNMAND OF 48 HOURS PRIOR TO START OF ANY CONSTRUCTION. IF THE PRE-CONSTRUCTION MEETING 5 NOT COMMETTED, ANY WORK MAY SEE HACE TO 5 CONSEQUENCE, CONTRACT MOST CONSTRUCTION OFFICES AT
- ALL UTILITIES UNDER EXISTING OR PROPOSED PAYEMENT SHALL BE SLEEVED IN ACCORDANCE WITH SECTION B.2.6A OF THE MANUAL COURTY LAND DEVELOPMENT CODE.

#### PAVING AND DRAINAGE NOTES

- ALL PAVEMENT RETURN RADII SHALL BE 26' AND MEASURED FROM THE INTERFACE OF THE CONCRETE CURB AND PAVE SURFACE UNILESS OTHERWISE NOTED.
- FIVE (5) FEET OF SOD IS REQUIRED AROUND ALL DITCH BOTTOM INLETS, MANHOLES, HEADWALLS AND MITERED END SECTIONS.
- TOP ELEVATIONS OF MANHOLES IN GRASSED AREAS SHALL BE LOCATED AT FINISHED GRADE ELEVATION.
- ANA ALTERNATIVE CONTRACTOR MAY USE ATTEMPT BY MARKED AS INCLUDED ON THE OWNER CONTRACTOR MAY IT SECURITY.

  ANA ALTERNATIVE CONTRACTOR MAY USE ATTEMPT BY MARKED AS INCLUDED ON THE OWNER CONTRACTOR MAY IT SECURITY.

  CONTRACTOR TO PURIOR USING AN ALTERNATIVE MATERIAL ITS CONTRACTOR SHALL SIMM A REQUEST DESCRIPTION OF THE ATTEMPT AND ALTERNATIVE OWNER AN
- TOP SOIL WHICH HAS BEEN STEEPPED AND STOCK PILED DURING THE COURSE OF CONSTRUCTION SHALL BE REDISTRIBUTED ON ALL REGRADED SURFACES SO. AS TO PROVIDE AT LEAST FOUR NICHES OF EVEN COVER TO ALL DISTURBED AREAS OF THE DEVELOPMENT AND SHALL BE STAILEDED BY SECURIOR OF PRAINTING.
- ALL DISTURBED AREAS WITH SLOPES UP TO 6:1 SHALL BE SEEDED AND MULCHED. SLOPES STEEPER THAN 6:1 SHALL BE SODDED AND SLOPES 3:1 OR STEEPER SHALL HAVE THE SOD PEGGED.
- SEE TABLE 4.0 FOR REQUIRED STORM PIPE COVER BENEATH FLEXIBLE PAVEMENT

- ALL STORM PIPE JOINTS SHALL BE WRAPPED AS SPECIFIED IN FOOT INDEX 280.
- THE LAST FOOT OF STORM WATER POND SHALL NOT BE EXCAVATED UNTIL ALL DISTURBED AREAS ARE STABILIZED.
- ANY FILL MATERIAL MEIST OF ADDRESSED BY ENGINEED IN WRITING DRICE TO DIACEMENT
- SIGNIFICANT CARE MUST BE TAKEN WHEN GRADING RETENTION PONDS TO ENSURE THAT POND BOTTOMS DO NOT BECOME COMPACTED DURING CONSTRUCTION OR SEALED BY CONSTRUCTION SEDIMENT. IF SEDIMENTATION OR COMPACTION OF A POND

#### IRE DEPARTMENT

- THE STRUCTURES BEING CONSTRUCTED ON THE PROPERTY WILL BE CONSTRUCTED UNDER THE 7TH EDITION OF FLORIDA FIRE PREVENTION CODE.
- PER MARKON COUNTY CRITERIA:
  FIRE HYDRANTS RUST BE LOCATED SO AS NOT TO REQUIRE THE LAYING OF MORE THAN FOLR-HUNDRED
  GOOF FEET OF HOSE CONNECTED TO SUCH HYDRANT, ALONG THE NAMEST PUBLIC RIGHT-OF-WAY, TO THE
  CENTER OF ANY BUILDABLE LOT OR PARCEL IN THE DEVELOPMENT.
- ANY NEW HYDRANTS MUST BE ABLE TO SUPPLY 1000 G.P.M. OF WATER AT 20 P.S.I. AT ANY TIME OF THE DAY. ANY NEW HYDRANTS SHALL BE TESTED BY THE CONTRACTOR IN THE PRESENCE OF THE FIRE DEPARTMENT PRIOR TO A PROVIDE A FIRE HYDRANTS BY THE FIRE DEPARTMENT, THE DETWO. 97 IN DISA. FIRE
- EACH NEW FIRE HYDRANT SHALL BE CLOW MEDALIJON WITH TOPS AND BONNETS POWDER COATED FROM FACTORY, SAFETY BLUE.
- WHERE UNDERGROUND WATER MAINS AND HYDRANTS ARE TO BE PROVIDED, THEY SHALL BE INSTALLED, COMPLETED, AND IN SERVICE PRIOR TO CONSTRUCTION WORK. (7TH EDITION OF FLORIDA FIRE
- THE ACCESS ROADS SHALL REMAIN CLEAR OF VEHICULAR OBSTRUCTIONS TO ALLOW ACCESS OF FIRE DEPARTMENT UNITS WHILE THE BUILDINGS ARE BEING CONSTRUCTED. (7TH EDITION OF FLORIDA FIRE PREVENTION CODE)
- IF LAND CLEARING OPERATIONS REQUIRE BURNING, A BURN PERMIT MUST BE OBTAINED FROM THE DEPARTMENT OF FORESTRY PRIOR TO BURNING ANY MATERIAL.
- ANY ASIV FIRE HYDRAYT RESTALES MUST SEE FLOWED & PAINTED BY CONTRACTOR FER NIFFA, 29 (ONCE ALL NEW HYDRAYTS HAVE BEEN INSTALED, TESTED, AND PAINTED PER NIFFA, 251 GY A THIRD PAINT WITH A COPY OF THE HYDRAYT FLOW DAY.

  WITH A COPY OF THE HYDRAYT FLOW DAY.

#### ORCE MAIN NOTES

- ALL FORCE MAIN CONSTRUCTION AND MATERIALS TO BE OWNED AND MAINTAINED BY MARION COUNTY UTILITIES.
- DEFLECTIONS AT PIPE JOINTS SHALL NOT EXCEED THOSE RECOMMENDED BY THE PIPE MANUFACTURER.
- VALVES SHALL BE EQUIPPED WITH AN ADJUSTABLE CAST IRON VALVE BOX WITH COVER, WITH THREADED EXTENSIONS WHERE NEEDED, UNLESS OTHERWISE NOTED.
- AL INONAUTALLIC FORCE MANS SHALL BE RETALLED WITH A CONTINUOUS, INSULATED IN GAUGE COPPER WIRE INSTALLED DIRECTLY ON TO OF THE PIPE FOR LOCATION PURPOSES, SEE STANDARD DRAWNICS, IN ADDITION, ALE PIPE FORCE MANS SHALL BE RITHER A SOLID GREEN COLOR ON WHITE WITH DESERVE LETTERNA. ALL LETTERNS SHALL AMPEAR LOCALLY ON PIPE AND SHALL RUN THE ENTIRE LENGTH OF THE PIPE. LETTERNAG SHALL READ ASS SEACCHEFALE FOR THE INTERNOTOL USE.
- HYDROSTATIC & LEAKAGE TESTING OF THE FORCE MAIN SHALL BE DONE IN ACCORDANCE WITH THE AWWA STANDARDS. HYDROSTATIC TESTING TO BE DONE IN ACCORDANCE WITH AWWA C-609.
- AR RELEASE VALVES SHALL BE REQUIRED AT ALL HIGH POINTS IN THE PROPOSED FORCE MAIN, AS SHOWN ON PLANS, HIGH POINTS IN THE FORCE MAIN ARE DEFINED AS A CHANGE IN ELEVATION TWICE THE DIAMETER OF THE PIPE.

#### WATER MAIN CONSTRUCTION NOTES

- . ALL CONSTRUCTION AND MATERIALS SHALL BE IN COMPLIANCE WITH AWWA STANDARDS AS WELL AS THE MARKON COUNTY LOC FOR WATER MAIN CONSTRUCTION.
- ALL WATER MAIN CONSTRUCTION AND MATERIALS WITHIN R/W OR EASEMENT TO BE OWNED AND MAINTAINED BY MARION CONSTRUCTION AND MATERIALS WITHIN R/W OR EASEMENT TO BE OWNED AND MAINTAINED BY MARION CONSTRUCTION.
- 3. SEPARATION REQUIREMENTS (SEE TABLE 1.0-UTILITY SEPARATIONS)
- 3.1. HORIZONTAL SEPARATION BETWEEN UNDERGROUND WATER MAINS, SANITARY OR STORM SEWERS, WASTEWATER OR STORM WATER FORCE MAINS, RECLAIMED WATER PIPELINES AND ON-SITE SEWAGE TREATMENT AND PROPOSAL INTERNAL

- 3.1.3. NEW OR RELOCATED UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF A' LEAST 6' AND PREFERABLY 10' BETWEEN THE OUTSIDE. OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROOFDED GRAVITY OR PRESSURE. "PRE SANITARY SAVIET. WASTE WATER FORCE MAIN OR PREVIOUS." CONVEYING RECLAIMED WATER NOT REQULATED UNDER PART III OF CHAPTER 63-615 F.A.C. THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MANS AND GRAVITY-TYPE SANITARY SEWERS SHALL BE REDUCED TO IT WHERE THE BOTTOM OF THE WATER MANS IS AND GRAVITY-TYPE SANITARY SEWERS SHALL BE REDUCED TO IT WHERE THE BOTTOM OF THE WATER MANS IS AND THE SAST OF ABOVE THE TOP OF THE SAVER.
- NEW OR RELOCATED UNDERGROUND WATER MAINS CROSSING ANY GRAVITY OR VACUUM-TYPE SANITARY
  SEWER PIPE SMALL BE LIAD SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST IF "AND PREFERABLE 12" ABOVE
  OR AT LEAST 12" BELOW THE OUTSIDE OF THE OTHER PIPE. IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE
  THE OTHER DEPTH.
- 1.3.1 IN THE THIRT ACCOUNTS OF CHARMER THE PROPER PROGRAMMER, ON THE LIBERTY OF WARTH MANY PROPERTY OF THE THIRD ACCOUNTS OF THE PROPERTY OF
- 3.4. NEV OR RELOCATIO THE HYDRANTS WITH UNDERSIDENCE DRAWS SHALL BE LOCATED NO THAT THE DRAWS. CONVEYING RECLARDS WATER REGULATIO DOCUMENTS AND A CONVEYING RECLARDS WATER REGULATIO UNDER PART IS OF CHAPTER 4.04, J. A.C., AT LEAST 3 KBT. PREPERATE OF THOSE AND EXTENSION OF CHAPTER 4.04, J. A.C., AT LEAST 3 KBT. PREPEARLY OF THOSE AND EXTENSION OF CHAPTER 4.04, J. A.C., AND THE AND THE ADDRESS OF CHAPTER 4.04, J. A.C., AND THE ADDRESS OF CHAPTER 4.04, J. A.C., AND THE ADDRESS OF CHAPTER 4.04, J. A.C., AND THE ATTEMPT AND THE ADDRESS OF CHAPTER 4.04, J. A.C. AND THE ATTEMPT AND THE ADDRESS OF CHAPTER 4.04, J. A.C. AND THE ATTEMPT AND THE ADDRESS OF CHAPTER 4.04, J. A.C. AND THE ATTEMPT AND THE ADDRESS OF CHAPTER 4.04, J. A.C. AND THE ATTEMPT AND THE ADDRESS OF CHAPTER 4.04, J. A.C. AND THE ATTEMPT AND THE ADDRESS OF CHAPTER 4.04, J. A.C. AND THE ATTEMPT AND THE ADDRESS OF CHAPTER 4.04, J. A.C. AND THE ATTEMPT AND

- 5. DEFLECTIONS AT PIPE JOINTS SHALL NOT EXCEED THOSE RECOMMENDED BY THE PIPE MANUFACTURER. ALL GATE VALVES SHALL BE EQUIPPED WITH AN ADJUSTABLE CAST IRON VALVE BOX WITH COVER, WITH THREADED EXTINUTE NEEDED.

- 10. MARK DRINKING WATER SERVICES BY ETCHING A "W" INTO CURRING
- PIPE MATERIALS: ALL PIPES, PIPE FITTINGS, PIPE JOINT PACKING AND JOINTING MATERIALS, VALVES, FIRE HYDRANTS, AND METERS INSTALLED LINDER THIS PROJECT SHALL CONFORM TO APPLICABLE AWAYA STANDARDS.
- SOINTS SHALL BE IN ACCORDANCE WITH ANSI AZI. 11 AND AWAY C111.
  ALL SERVICES SHALL BE POLYETHYLENE TUBING, CLASS 160 AND SHALL BE IN ACCORDANCE WITH AWAY C901.

- 13. ALL VALVES SHALL BE LOCATED IN NON PAVED AREAS, UNLESS SPECIFIED ON PLANS
- 14. FIRE HYDRANT LEADS SHALL HAVE A MINIMUM INSIDE DIAMETER OF 6" AND SHALL INCLUDE AN AUXILIARY VALVE.
- If AGGRESSIVE SOIL CONDITIONS ARE FOUND DURING CONSTRUCTION, WATER MAINS SHALL BE PROTECTED THROUGH THE USE
  OF CORROSION RESISTANT MATERIALS, THROUGH ENCASEMENT OF THE WATER MAINS IN POLYETHYLENE, OR THROUGH
  PROMUSION OF CATHORING PROTECTION.
- ALL PIPE AND PIPE FITTINGS INSTALLED UNDER THIS PROJECT SHAL BE "LEAD FREE" AS DEFINED IN THE LATEST VERSION OF THE SAFE WATER DRINKING ACT.
- WHERE NEW OR ALTERED DEAD-END WATER MAINS INCLUDED IN THIS PROJECT CANNOT BE AVOIDED, THEY SHALL BE PROVIDED
  WITH A FIRE FLUSHING HYDRANT OR BLOW-OFF FOR FLUSHING PURPOSES.
- PROPOSED FIRE HYDRANTS CONNECTED TO THE POTABLE WATER MAIN, FOR THIS PROJECT, SHALL BE PAINTED PER NIFPA AND AWWA STANDARDS. FIRE HYDRANTS CONNECTED TO THE DESIGNATED FIRE LINE SHALL BE PAINTED PER JURISDICTION.

- 22. A CONTINUOUS AND UNIFORM BEDDING WILL BE PROVIDED IN TRENCHES FOR UNDERGROUND PIPE; BACKFILL MATERIAL WILL
  BE TAMOED IN LAYER ADDITION LINES CONTINUED FOR TO ADDICULTED VISIONED AND DESCRIPT THE SIZE. AND LINES LITERAL VISIONED. STONES (AS DESCRIBED IN APPLICABLE AWAY STANDARDS OR MANUFACTURES! RECOMMENDED INSTALLATION PROCEDURES FOUND IN TRENCHES WILL BE REMOVED FOR A DEPTH OF AT LEAST SIX INCHES BELOW THE BOTTOM OF UNDERGROUND PIPE.
- 24. NEW OR ALTERED WATER MAIN INSTALLATION AND PRESSURE AND LEAKAGE TESTING, SHALL BE PROVIDED IN ACCORDANCE WITH APPLICABLE AWAYA STANDARDS. PVC WATER MAIN INSTALLATION AND TESTING SHALL CONFORM TO AWWACGOS. DURTHE IRROW WATER MAIN INSTALLATION AND TESTING SHALL CONFORM TO AWWACGOS.
- 25. NEW OR ALTERED WATERMAINS, INCLUDING FIRE HYDRANT LEADS AND SERVICE LINES THAT WILL BE UNDER THE CONTROL OF A PUBLIC WATER SYSTEM AND THAT HAVE AN INSIDE DOMNETED OF THE INCHES OR GREATER, SHALL BE DISINFECTED AND BACTERIOLOGIALVI TEXTED IN ACCIDENANCE WITH AWAYA 6251.
- 26. THE MINIMUM COVER TO BE PROVIDED OVER POTABLE WATER LINES SHALL BE 3".
- 27. WATER SERVICES SHALL BE INSTALLED 10' FROM BACK OF CURB.

#### SANITARY SEWER NOTES

- DUCTION SHALL BE IN COMPLIANCE WITH THE MARION COUNTY LCC FOR WASTEWATER
- ALL SANTARY SEWER CONSTRUCTION AND MATERIALS WITHIN RW OR EASEMENT TO BE OWNED AND MAINTAINED BY MARION COUNTY UTILITIES.
- 3. ALL MANHOLES SHALL BE 4 FT. INSIDE DIAMETER.
- 5. ALL SANITARY SERVICE LATERALS SHALL BE 6 INCH DIAMETER, UNLESS SPECIFIED OTHERWISE ON PLANS INVERTS OF SANITARY SERVICE LATERALS AT THEIR CONNECTION TO SANITARY MANHOLES SHALL BE NO MORE THAN ONE (1) FOOT ABOVE THE MANHOLE SWERT.
- MINIMUM AS BUILT 8" PVC SEWER LINE SLOPE WILL BE 0.40% MINIMUM SLOPE OR WILL BE RE-LAID BY CONTRACTOR TO MEET THE MINIMUM SLOPE REQUIREMENT AT NO ADDITIONAL COST.
- 8. MARK LATERALS BY ETCHING AN "S" INTO CURBING.
- A MINIMUM 1.00% SLOPE SHALL BE MAINTAINED ON THE SANITARY SEWER SERVICE LATERALS. AT NO TIME SHALL A SANITARY SEWER LATERAL HAVE A SLOPE OF 15% OR GREATER.
- SANTARY SEWER GRAYTY MAINS ARE TO BE LIPGRADED IN MATERIAL TO WATER MAIN STANDARDS AND HYDROSTATICALLY PRESSURE TESTED WITH WATER TO ENSURE JOINT TIGHTNESS IF EITHER OF THE HORZ VERTICAL MINIARIA MEDIUMED CLEARANCE FROM A WATER MAIN CANNOT BE MANTARED OR IT HE SEWER ABOVE THE WATER MAIN LIPGRADE TO MATERIAL CANNOT BE MADE WHITHOUT PRICE APPROVAL FROM FEED.
- 12. LEAKAGE TEST ARE SPECIFIED REQUIRING THAT
  - A) THE LEAGURE EXPLITATION OR BRITTATION DOES NOT EXCEED 200 GALLONS PER INCH OF PIPE DIAMETER MILE PER ANY POR ANY SECTION OF THE SYSTEM.
    B) EXPLITATION OR INSTITUTION TESTS SE PERFORMED WITH A MANUAU POSITIVE HEAD OF 2 PEET.
    C) AND THEY AS MARKANIL CONFORM TO THE TEST PROCEDURE DESCRIBED IN SATIN CAPA FOR CONCRETE PIP
    AND THEY AS MARKANIL CONFORM TO THE TEST PROCEDURE DESCRIBED IN SATIN CAPA FOR CONCRETE PIPE
- ART 1515, AS MINIMUM, CONFORM TO THE TEST PROCEDURE DESCRIBED IN ASTM C-924 FOR CONCRETE PIPE, ASTM F-1417 FOR PLASTIC PIPE AND FOR OTHER MATERIALS APPROPRIATE TEST PROCEDURES, ARE TESTING, IF SPECIFED FOR CONCRETE SEWER MANHOLES, CONFORMS TO THE TEST PROCEDURES DESCRIBED IN ASTM C-
- NO PPE SHALL EXCEED A DEFLECTION OF 5%.
   USING A RIGID BALL OR MADDREL FOR THE PIPE DEFLECTION TESTS WITH A DIAMETER NOT LESS THAN 50% OF THE BACE INSIDE DOMETER OR AVERDAL RIGIDED DIAMETER OF THE PIPE. DEPENDING ON WHICH IS SPECIFIED IN THE ASTM SPECIFICATION ROLLDONG THE APPENDIX, TO WHICH THE PIPE IS MANUFACTURED.
   PERDOMINANC THE TEST WITHOUT MECHANICAL PULLING DEVICES.
- A. ALL GRAVITY SEWER MAINS REQUIRE LOW PRESSURE AIR TESTING IN ACCORDANCE WITH THE LATEST UNI-BELL STANDARD FOR LOW PRESSURE AIR TESTS. AIR TEST, AS A MINIMUM, SHALL CONFORM TO THE TEST PROCEDURES DESCRIBED IN ASTIM SPECIATION, ASTIM PLAY FOR PACKET PIPE.
- B. ALL SEWER MAINS SHALL BE LAMPED BY IN THE PRESENCE OF A MARION COUNTY REPRESENTATIVE.
- C. ALL MARHOLES SHALL BE INSPECTED FOR INFILTRATION, ALIGNMENT, FLOW CHANNEL CONSTRUCTION AND COAL TAR EPOXY FAINT THROUGHOUT.
- E. DEFLECTION TEST ARE REQUIRED FOR ALL FLEXIBLE PIPE EXCLUDING FORCE MAINS. TESTS SHALL BE PERFORMED WITHOUT MECHANICAL PULLING DEVICES DIMEASURED FROM THE INTERFACE TO THE CONCRETE CURB AND PAYMENTS SURFACE UNLESS OTHERWISE NOTED.
- 15. SANITARY SEWER SERVICES SHALL BE INSTALLED 10' FROM BACK OF CURB.
- INTRACTOR SHALL SUBMIT THREE (3) SETS OF COMPLETE DETAILED SHOP DRAWNOS FOR ALL SANITARY MANHOLES, WE , OTHER CASTINGS, AND PUMPS. THE SUBMITTALS SHALL BEAR THE APPROVAL OF THE UNDERGREDURD UTILITY CONTRU DESIGNED, A COMPLETE SET OF THE LITT STATUS ELECTRICAL SHOP DRAWNINGS IS ALSO REQUIRED IN APPLICABLE. ALL DRAWNINGS SHALL BY APPROVED OF THE ENDINEED OF RECORD AND <u>MARGON CONTENT</u> PRIOR TO CONSTRUCTION.

#### REUSE NOTES

- ALL IRRIGATION, REUSE AND EFFLUENT REUSE PPING TO BE OWNED AND MAINTAINED BY MARION COUNTY SHALL BE A SOUR PURPLE COLOR.
- REUSE AND EFFLUENT REUSE MAINS SHALL BE PVC CONFORMING TO ANWA C-900, DR 18 FOR FIPE SIZES 4"-12".
  PRES LARGER THAN 12" SHALL BE ANWA C-900, DR 18. ALL COURLINGS, CLEANING COMPOUNDS, SOLVENTS,
  LUBRICANTS, AND PRE PREPARATION, FOR LAYING SHALL BE IN ACCORDANCE WITH THE PIPE MANUFACTURERS
  LATEST RECOMMENDATIONS.
- DEPTH OF REUSE AND EFFLUENT REUSE LINES TO BE 36" BELOW FINISHED GRADE
- ALL REUSE AND EFFLUENT REUSE MAINS UNDER PAVEMENT SMALL BE DUCTLE IRON PIPE AND SMALL EXTEND 5' BEYOND THE EDGE OF PAVEMENT OR BACK OF CURB.
- 6. ALL BRIGATION SLEEVING UNDER PAVEMENT SHALL EXTEND 5' BEYOND THE EDGE OF PAVEMENT OR BACK OF CURB.

#### EROSION CONTROL NOTES

- DURING CONSTRUCTION, THE CONTRACTORS SHALL TARE ALL REASONABLE MEASURES TO INSURE AGAINST POLITING, SITTING OR DISTURBINED TO SUCH ASTERM AS TO CAUSE AN INCREASE IN TUBERSTY TO THE EXISTING SURFACE WARRS, SUCH MEASURES SHALL BE APPRIVED OF THE PRODUCT EMBERS AND MAY INCLUDE, BUT NOT LIMITED TO, CONSTRUCTION OF TRAPPORARY ROSION CONTRICL STRUCTURES SUCH AS SEDIMENT BASING,
- 2. CONTRACTOR IS RESPONSIBLE TO COMPLY WITH ALL EROSION CONTROL MEASURES AS SHOWN ON THE EROSION
- SODDING OF DETENTION PONDS SHOULD BE ACCOMPLISHED WITHIN 14 DAYS OF POND GRADING TO MINIMEZE EXISION POTENTIAL.
- FACILITIES. TO PREVENT REDUCTION IN STORAGE VOLUME AND PERCOLATION RATES. ALL ACCUMUST BE REMOVED FROM THE STORAGE AREA PRIOR TO FINAL GRADING AND STABILIZATION. IF DUBING CONSTRUCTION, THE PROPOSED BROSION SYSTEM DOES NOT PERFORM SATISFACTORILY, ALTERNATIVES AND ADDITIONAL METHODS OF PROTECTION SHALL BE IMPLEMENTED BY THE CONTRACTOR IN ORDER TO COMPLY WITH SUJE WAY AND AND MARKEN COUNTY EROSION CONTROL COSTS INCLUDING ANY COSTS ASSOCIATED WITH COMPLANCE SELES AND ENTOCREMENT ACTIONS.
- 6 A 7 STRIP OF SOD SHALL BY DLACED BY HIND BACK OF CLIEB
- ALL SCODED AND/OR SEEDED AREAS MUST BE WATERED AS NECESSARY DURING CONSTRUCTION AND 2 MONTHS AFTER COMPLETION OF CONSTRUCTION IN ORDER TO ENSURE STABILIZATION AND SURVIVAL.

### LOCATION OF PUBLIC WATER SYSTEM MAINS IN ACCORDANCE WITH F.A.C. RULE 62-555.314

OTHER PIPE	HORIZONTAL SEPARATION	CROSSINGS (1)	(FULL JOINT CENTERED)
STORM SEWER, STORMMATER FORCE MAIN, RECLAIMED WATER (2)	Water Main  3 ft. minimum	Water Main  12 inches is the minimum, except for storm sewer, then 6 inches is the minimum and 12 inches is preferred	ALTERNATE 2 FT. MINIMUM Water Main
VACUUM SANITARY SEWER	Water Main 10 ft. preferred 3 ft. minimum	Water Main 12 inches is preferred 6 inches minimum	ALTERNATE 2 FT. MENIMUM Water Main
GRAVITY OR PRESSURE SANITARY SEWER, SANITARY SEWER FORCE MAIN, RECLAIMED WATER (2)	Water Main 20 ft. preferred 6 ft. minimum (2)	Water Main  12 inches is the minimum, except for gravity sewer, then 6 inches is the minimum and 12 inches is preferred	ALTERNATE G FT. MINIMUM Water Main

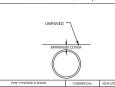
- S. ILLATED UNDER PART III OF CHAPTER 62-630, F.A.C. ABY SYMPB NAMERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST 6 INCHES ABOVE THE TOP OF

- AS-BUILT NOTES
  - REENTLY WITH CONSTRUCTION PROGRESS, RECORD DRAWINGS SUBMITTED TO THE E
- DRAWINGS SHALL SHOW ACTUAL LOCATION OF ALL UNDERGROUND AND ABOVE GROUND STORM DRAINAGE, WATER, REUSE AND WASTEWATER PIPING AND REL
- DRAWINGS SHALL CLEARLY SHOW ALL FIELD CHANGES OF DIMENSION AND DETAIL INCLUDING CHANGES MADE BY FIELD ORDER OR BY CHANGE ORDER.
- D. DRAWINGS SHALL CLEARLY SHOW ALL DETAILS NOT ON ORIGINAL CONTRACT DRAWINGS, BUT CONSTRUCTED IN THE FIELD. ALL EQUIPMENT AND PIPING RELOCATION SHALL BE CLEARLY SHAPILIFY.
- LOCATION OF ALL INLETS AND MANHOLES, HYDBANTS, VALVES AND VALVE BOXES SHALL BE SHOWN. ALL VALVES SHALL BE REFERENCED FROM AT LEAST TWO PREFERABLY
- F. DIMENSIONS BETWEEN ALL INLETS AND MANHOLES SHALL BE VERFIED AND SHOWN. THE INVERTS AND GRADE ELEVATIONS OF ALL INLETS, CONTROL STRUCTURES AND MANHOLES SHALL BE SHOWN.
- G. CONTRACTOR SHALL PROVIDE AS-BUILT SURVEY FOR POND GRADING. SPOT ELEVATIONS SHALL BE TAXEN AT TOP OF BANK, POND BOTTOM, AND ALL GRADE BREAKS AT 50°
- WHERE THE WATER MAIN CROSSES OTHER UTILITIES (STORM, GRAVITY SEWER, FORCE
- WHERE THE WATER MANY CROSSES OTHER UTBLITES (STORM, CRAVITY SEWER, FORCE MANR AND RECLAMED WATER), THE CRITICED AS BUILD CAMPINGS SHALL CLEARLY INDUCATED THE LOCATIONS OF PER CONTINUE AS SULVEY AND AND AS A TO DEMONSTRATE. WHILE RESULT IN THE CONTRACTOR EXCAVATING AND SURVEYING THE UTBLITES AT NO ACRETIONAL COST TO THE OWNER.
- EET OF THE PLANS SHALL BE SIGNED, SEALED AND DATED BY REGISTERED SURVEYOR WITH A ADING "THESE AS-BUILT DRAWINGS ACCURATELY DEPICT THE ACTUAL IMPROVEMENTS AS





#### TARLE 2.0 - STORM PIPE COVER (LINPAVED)



CONCRETE *		
ROUND & ELLIPTICAL	12"	3,
CORRUGATED STEEL		
12" - 30" ROUND	18" [15"]	12" [12"]
36"- 46" ROUND	18" (12") [15"]	12" (12") [12"]
54" - 72" ROUND	18" (12") [15"]	15" (12") [12"]
78" - 96" ROUND	(18") [27"]	(12') [12']
102" & LARGER ROUND	54, [33,]	18" [21"]
15" - 30" ARCH EQUIVALENT	18" [18"]	12" [12"]
36" - 46" ARCH EQUIVALENT	24" (12") [21"]	18" (12") [15"]
54" - 72" ARCH EQUIVALENT	30" (18") [24"]	24" (12") [18"]
76" - 96" ARCH EQUIVALENT	(24") [27"]	(18") [21"]
102" & LARGER ARCH EQUIVALENT	(30")	(24")
CORRUGATED ALUMINUM		
12" - 24" ROUND	21" [21"]	15" [15"]
30" - 48" ROUND	24" (18") [21"]	18" (12") [15"]
54" - 72" ROUND	30' (24') [27']	24" (18") [21"]
78" - 102" ROUND	(30') [33']	(24") [27"]
108" & LARGER ROUND	36'	30"
15" - 24" ARCH EQUIVALENT	27" [24"]	24" [21"]
30" - 48" ARCH EQUIVALENT	33' (21') [27']	27" (15") [21"]
54" - 72" ARCH EQUIVALENT	36' (24') [30']	30" (18") [24"]
76" - 90" ARCH EQUIVALENT	(30") [36"]	(24") [30"]
95" - 102" ARCH EQUIVALENT	(36')	(30")
ORRUGATED POLYETHYLENE		
15" - 46" ROUND	21"	15"
OLYVINYL CHLORIDE		
15" - 46" ROUND	21"	15"
VALUES SHOWN IN PARENTHESS () ARE FOR 3" X 3 SPECIFIED TO UTILIZE THE LESSER COVER. VALUES SHOWN IN BRACKETS [] APPLY TO TYPE 1-1 SPECIFIED TO UTILIZE THE LESSER COVER. "FOR FIPE CLASS "S" WITH DIAMETERS OF 12" TO 30 TO BE ADMINISTRATION OF THE 18" S"	R (SPIRAL RIB) PIPE WHICH	

#### CLEARANCES

- THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH SIGNED AND SEALED AS-BULTS OF ALL UTILITY IMPROVEMENTS, PRESSURE TESTS, BACERIOLOGICAL TESTS, AND ANY OTHER INFORMATION NECESSARY FOR THE CLEARANCE APPROVALS WITH <u>P.D.E.P.</u> AND THE LOCAL UTILITY PROVIDER. THIS INFORMATION SHALL BE DEPOCALED TO THE PROVIDER TO DAYS BUILD TO THE

## TABLE 3.0 -STORM PIPE COVER (RIGID PAVEMENT) RIGID PAVEMENT (DOWELED JOINTS AND GOOD CONDITION)

MINIMU	<u> </u>
PIPE TYPE/SIZE & SHAPE	MINIMUM COVER
INCRETE *	
ROUND & ELLIPTICAL	9"
IRRUGATED STEEL *	
15"-72" ROUND & ARCH EQUIVALENT	9"
78" & LARGER ROUND AND ARCH EQUIVALENT	15"
IRRUGATED ALUMNUM	
15" - 72" ROUND AND ARCH EQUIVALENT	9"
78" - 102" ROUND AND ARCH EQUIVALENT	15"
108" & LARGER ROUND	18"
IRRUGATED POLYETHYLENE	
15" - 48" ROUND	9"
LYVINYL CHLORIDE	
15" - 48" ROUND	9"

#### TABLE 4.0 -STORM PIPE COVER (FLEXIBLE PAVEMENT)

CONDITION (FRACTURED) 1

PIPE TYPE/SIZE & SHAPE	MINIMUM COVER	
CONCRETE *		
ROUND & ELLIPTICAL	7"	
CORRUGATED STEEL *		
12"-30" ROUND	12" [12"]	
26"-48" ROUND	18" (12") [15"]	
54"-72" ROUND	21" (15") [18"]	
78"-96" ROUND	(18") [27"]	
102 & LARGER ROUND	(24") [33"]	
15"-30" ARCH EQUIVALENT	18" [18"]	
36"-48" AROH EQUIVALENT	24" (12") [18"]	
54"-72" ARCH EQUIVALENT	27" (15") [24"]	
78"-96" ARCH EQUIVALENT	(18")[30"]	
102" & LARGER ARCH EQUIVALENT	(24")	
CORRUGATED ALUMINUM		
12"-24" ROUND	15" [12"]	
30"-48" ROUND	18" (12") [18"]	
54"-72" ROUND	24" (18") [24"]	
78"-102" ROUND	(24")[30"]	
108" & LARGER	(30')	
15"-24" ARCH EQUIVALENT	24" [21"]	
30"-48" AROH EQUIVALENT	27" (15") [24"]	
54"-72" ARCH EQUIVALENT	30" (18") [27"]	
78"-90" ARCH EQUIVALENT	(24") [30"]	
96"-102" ARCH EQUIVALENT	(30")	
CORRUGATED POLYETHYLENE		
15" - 30" ROUND	15"	
POLYVINYL CHLORIDE		
15" - 30" ROUND	15"	
ALLIES SHOWN IN PARENTHESS () ARE TOR IT X IT CORRUGATIONS WHICH MUST BE SECRETED TO ITLIZE THE LESSER COVER.  ALLIES SHOWN IN BRACKETS () APPLY TO TYPE 1-R (SPRAL RIB) PIPE WHICH MUST BE SECRETED TO UTILIZE THE LESSER COVER.  FOR PIPE CLASS "S" WITH DIAMETERS OF 12" TO 30",		

DATE 8/5/24 CHKD. BY TB JOB NO. 24-9046

sht. 02.01

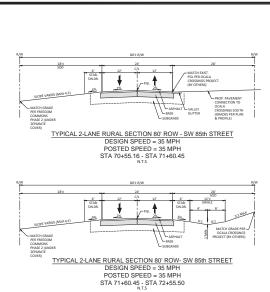
NOT VALID UNLESS SIGNED AND SEALED BY A PROFESSIONAL ENGINEE

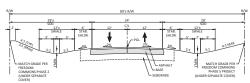
WDSC4 Bldg 1540 **6**)  $\frac{1}{2}$ 

> NOTES GENERAL

IMPROVE FREEDOM MARION (







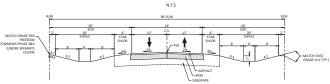
TYPICAL 2-LANE RURAL SECTION 80' ROW- SW 85th STREET

DESIGN SPEED = 35 MPH

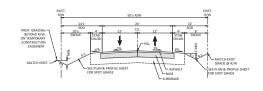
POSTED SPEED = 35 MPH

STA 72+79.50 - STA 78+42.74 (LT)

STA 72+79.50 - STA 78+62.64 (RT)



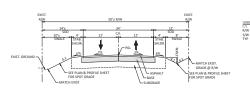
TYPICAL 2-LANE RURAL SECTION 80' ROW - SW 85th STREET
DESIGN SPEED = 35 MPH
POSTED SPEED = 35 MPH STA 79+85.54 - STA 85+50.00 (RT) STA 80+07.53 - STA 85+50.50 (LT)

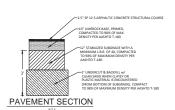


TYPICAL 2-LANE RURAL SECTION - SW 85th STREET

DESIGN SPEED = 35 MPH

POSTED SPEED = 35 MPH STA 86+25.00 - STA 87+50.00



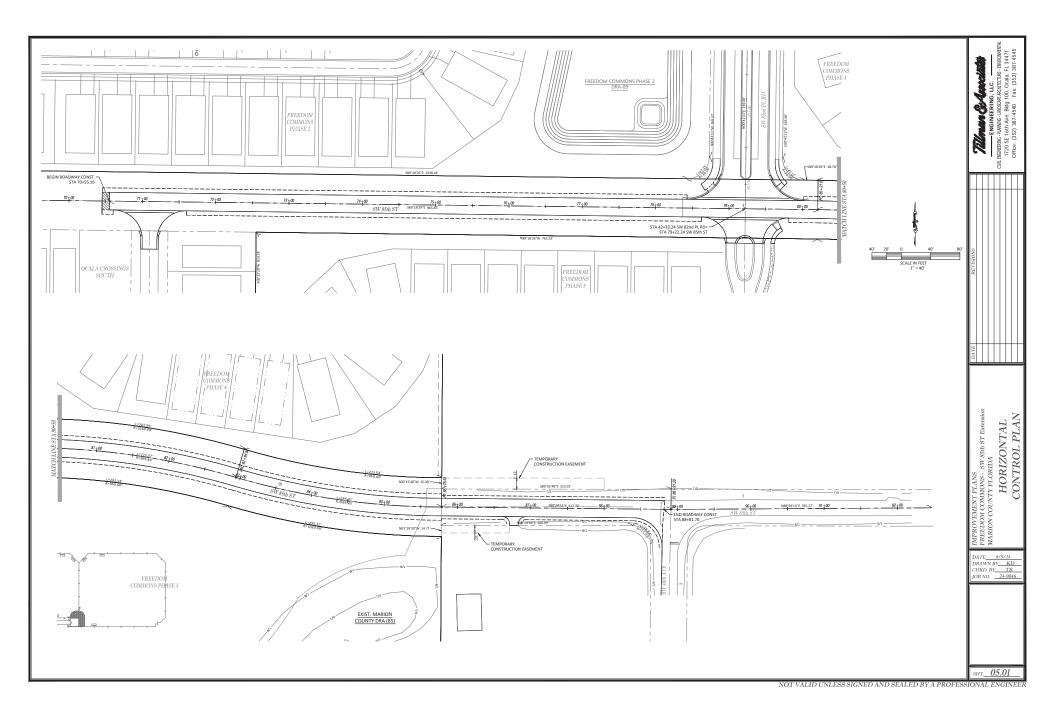


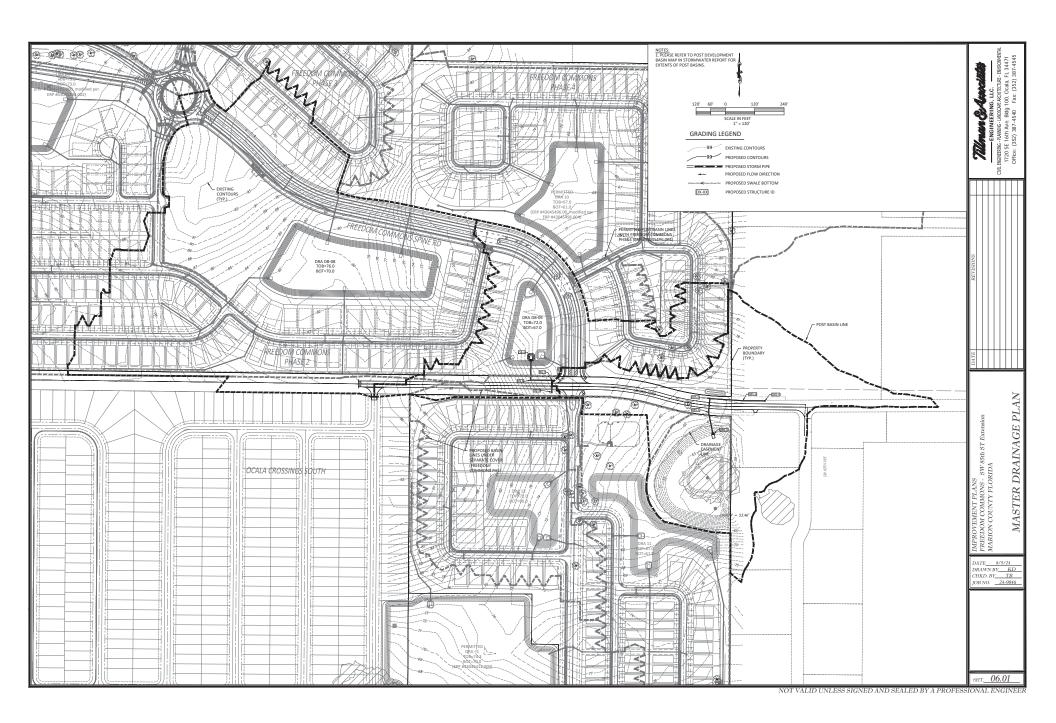
2" COMPACTED SUBGRADE TO 98% OF MAXIMUM MULTI-MODAL PATH DETAIL

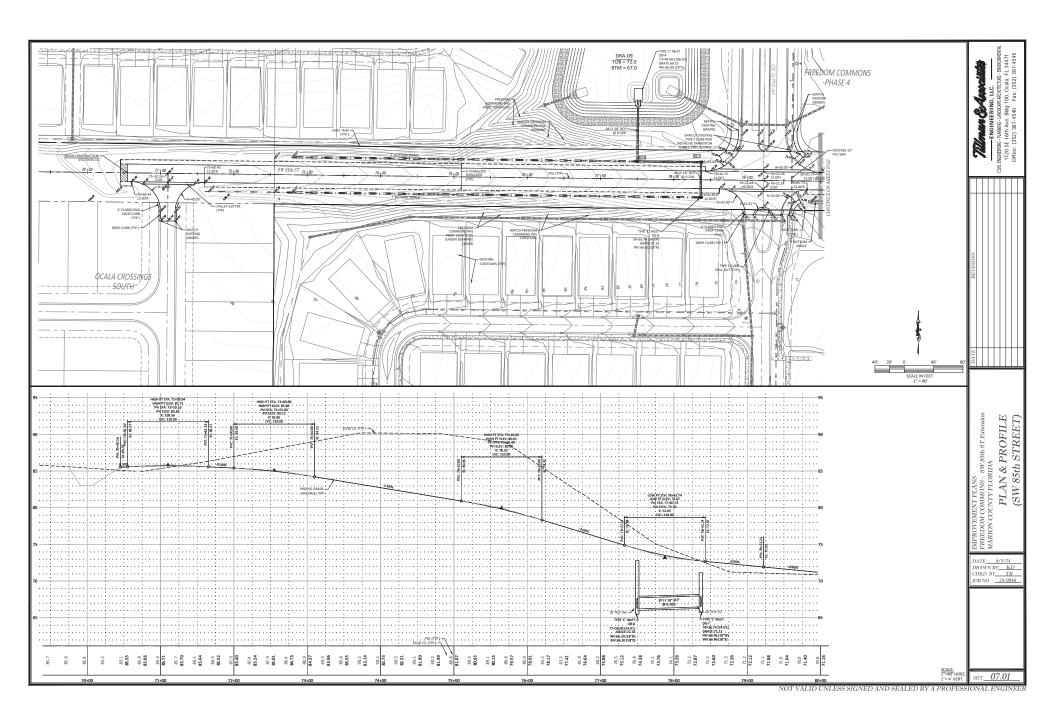
> TYPICAL ROADWAY IMPROVEMENT PLANS FREEDOM COMMONS - SW 85th ST Extension MARION COUNTY FLORIDA

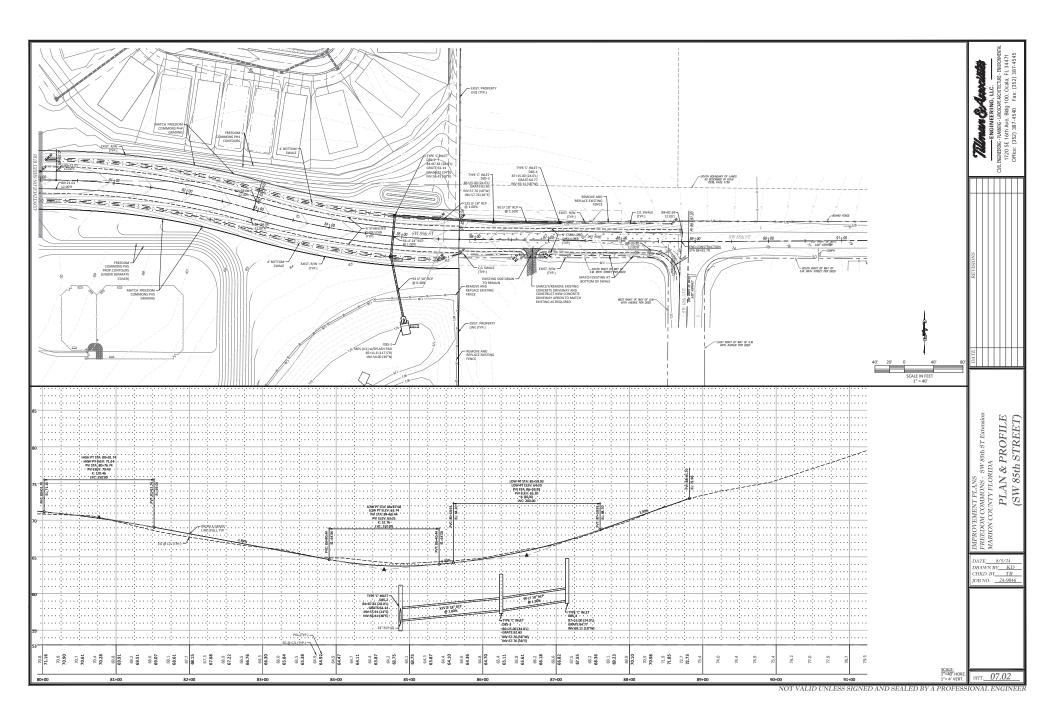
DATE 08/05/24
DRAWN BY KD
CHKD. BY TB
JOB NO. 24-9046

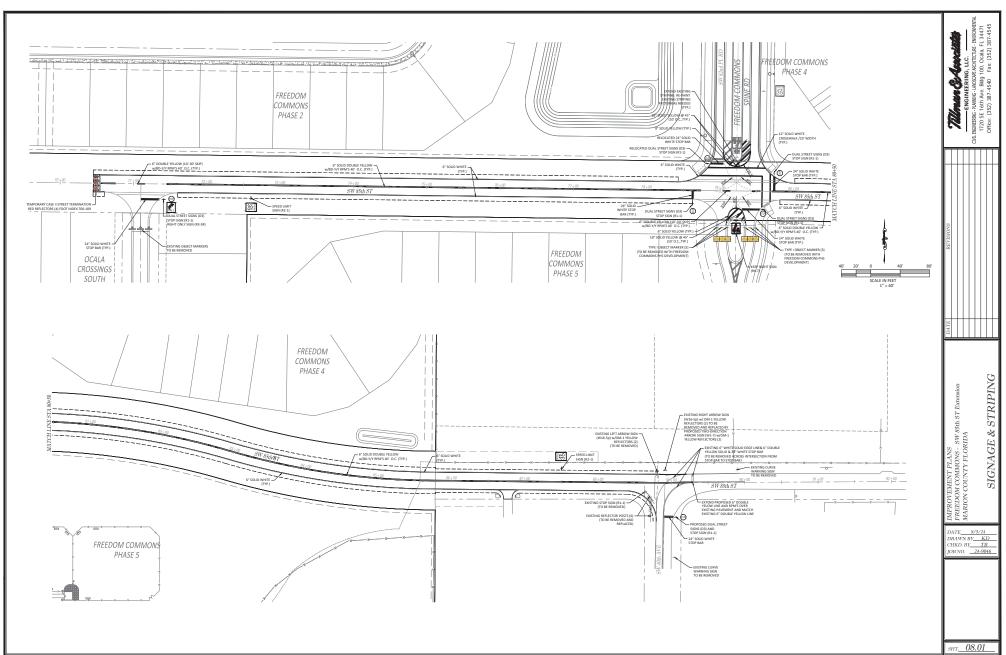
sht. 04.01

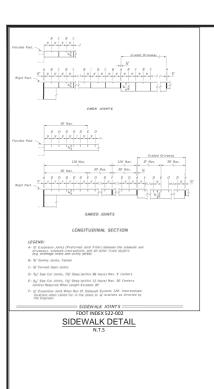


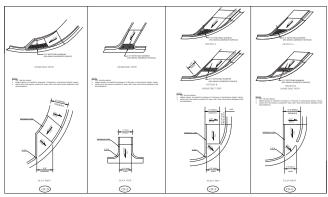


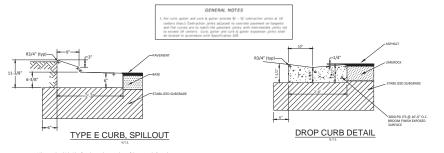




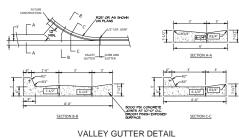








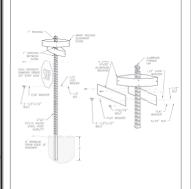
\*ALL CONSTRUCTION COVERED BY THESE PLANS SHALL COMPLY
WITH THE MATERIAL REQUIREMENTS AND QUALITY CONTROL
STANDARDS CONTAINED IN THE MARION COUNTY LAND DEVELOPMENT CODE \*





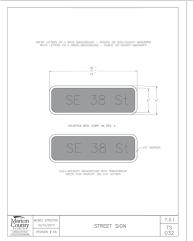
DATE 8/5/24 DRAWN BY KD CHKD. BY TB JOB NO. 24-9046

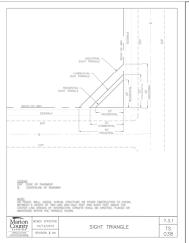
SHT. 09.01

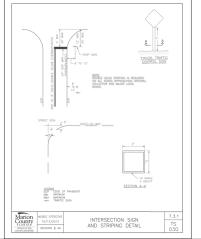


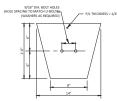
COMBINED STREET NAME & STOP SIGN INSTALLATION

Marion
County
FLORIDA
ORNEGOTHE
REVISION # NA









## ALUMINUM SOIL PLATE DETAIL

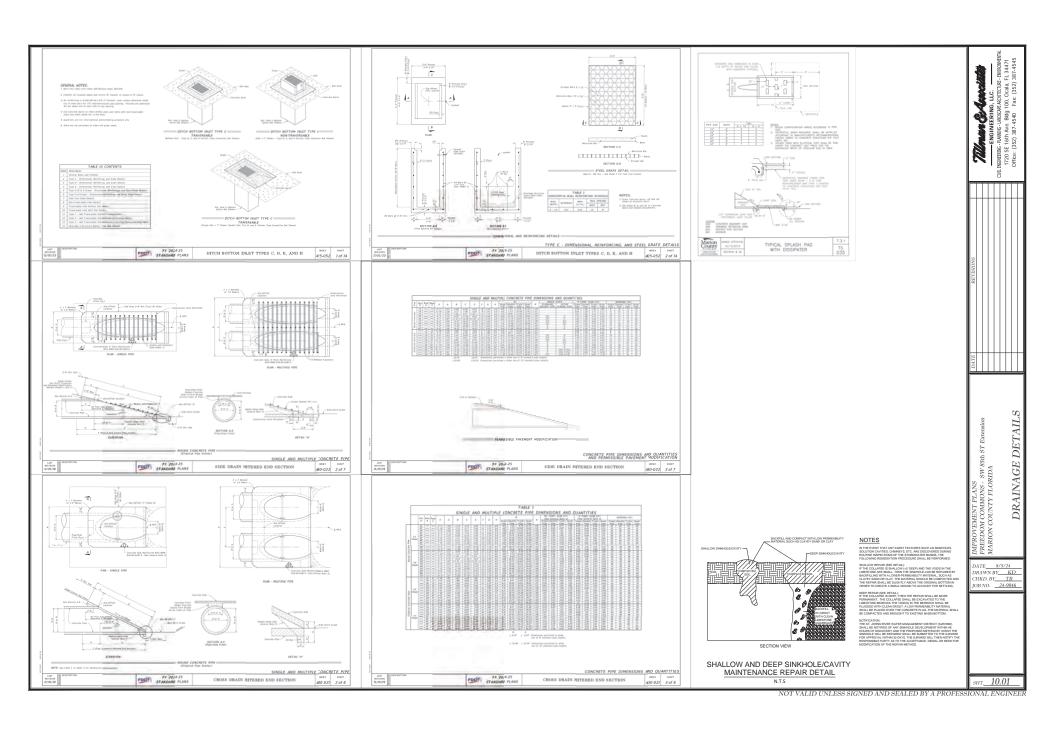
#### NOTES:

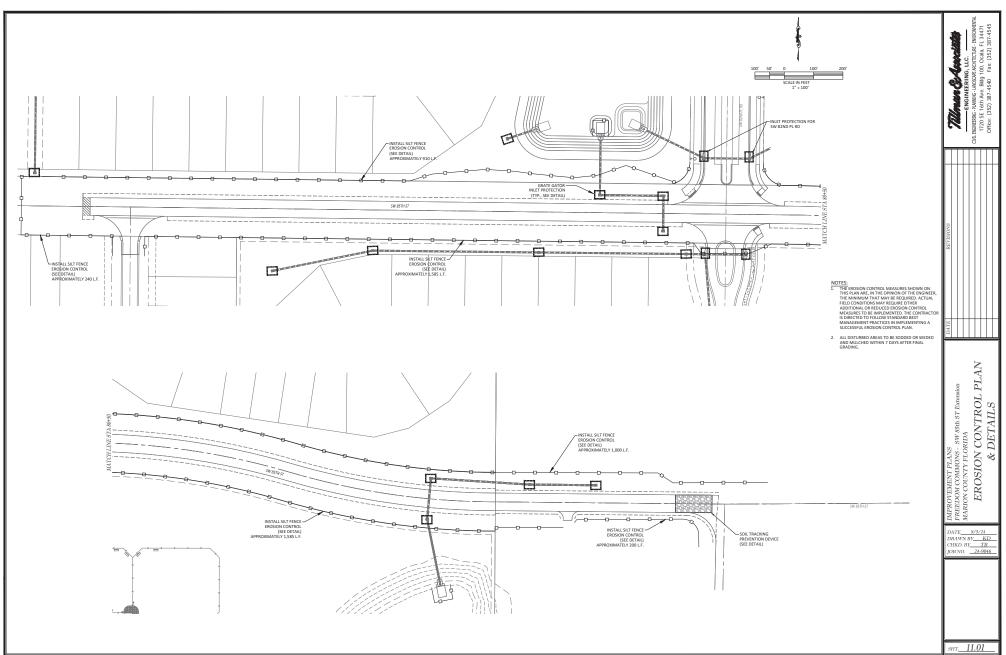
SLOT UP TO 1" LONG IS ALLOWED TO ACCOMMODATE VARIOUS POST SIZES.
 RECTANGULAR SOIL PLATE OF SIZE 1'-2"X1'-0" MAY BE USED AS AN ALTERNATIVE

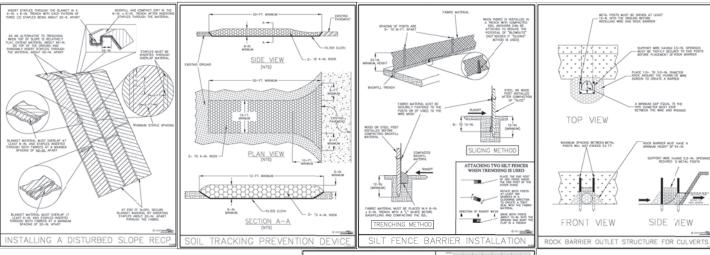
#### GENERAL NOTES:

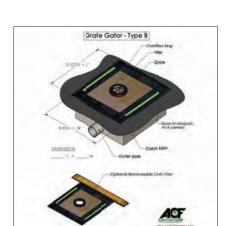
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN FROM THE ENGINEER OR OWNER A COPY OF ALL PERTINENT PERMITS RELATED TO THIS PROJECT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASSURE THAT LCONSTRUCTION ACTIVITIES ARE IN COMPLIANCE WITH THE CONDITIONS OF ALL PERMITS AND APPROVING.
- GRASS AND MULCH, OR SOLID SOD, ALL AREAS IN EXISTING RIGHTS-OF-WAY DISTURBED BY CONSTRUCTION.

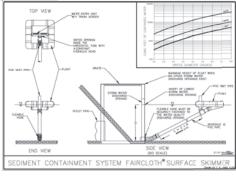
NOT VALID UNLESS SIGNED AND SEALED BY A PROFESSIONAL ENGINEER

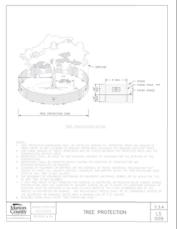












ENERAL NOTES: THE FOLLOWING LIST REPRESENTS A BASIC EROSION AND SEDIMENT CONTROL PROGRAM V

IMPLEMENTED TO HELP PREVENT OFF SITE SEDIMENTATION DURING AND AFTER CONSTRUCTION OF THE PROJECT.

2. TEMPORARY EROSION CONTROL TO BE LITH IZED DURING CONSTRUCTION AT AREAS DESIGNATED BY THE ENGINE

2. PERMANENT EROCION AND SECONENT CONTROL MEASURES SHALL BE HISTALED AT THE EXPLICET PRACTICAL TIME CONSISTENT WITH GOOD CONSTRUCTION PRACTICES, ONE OF THE FIRST CONTROL MOST HEY PRODUCT THE PLACEMENT OF PERMANENT AND TEMPORARY EROSION AND SEGMENT CONTROL MEASURES AROUND THE PRIMATER OF THE PROJECT CAN EXECUTE HORIZON AND SEGMENT OF PROJECT, ADJACEMENT PROPERTIES AND

4. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE COORDINATED WITH PERMANENT MEASURES TO ASSURE ECONOMICAL, EFFECTIVE AND CONTINUOUS CONTROL THROUGHOUT THE CONSTRUCTION PHASE. TEMPORARY MEASURES SHALL NOT BE CONSTRUCTED FOR EXPEDIENCY IN LIEU OF PERMANENT MEASURES

S. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE ADEQUATELY MAINTAINED TO PERFORM THEIR INTENDED FUNCTION DURING CONSTRUCTION OF THE PROJECT.

6. NECESSARY REPAIRS TO BARRIERS OR REPLACEMENT OF BARRIERS SHALL BE ACCOMPLISHED PROMPTLY.

7. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH RAINFALL. THEY MUST BE REMOVED WHEN THE LEVEL OF PROSTRING REPORTS APPROXIMATELY ONE HALF THE HEIGHT OF THE BARRIER

 MATERIAL FROM SEDIMENT TRAPS SHALL NOT BE STOCKPILED OR DISPOSED OF IN A MANNER WHICH MAKES THE READLY SUSCEPTIBLE TO BEING WASHED INTO ANY WATERCOURSE BY RUNOFF OR HIGH WATER.

READLE SUSCEPTIBLE TO BRING WASHED THIS OWN WATERCOURSE BY KUNGEP OF HIGH WATER.

9. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE BARRIERS ARE NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.

10. SILT FENCE TO BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR STAKED SILT FENCE (LF).

11. ALL INLETS TO BE PROTECTED BY DETAILS AS OUTLINED IN F.D.O.T. 2008 INDEX NO. 102

IMPROVESSEY PLANS

IMPROVESSEY PLANS

FREEDOM COMMONS - SW 85th ST Extension

MARION COUNTY PLONEDA

EROSION CONTROL PLAN

& DETAILS

DATE 8/5/24

DRAWN BY KD

CHKD. BY TB

JOB NO. 24-9046

