

OWNER/DEVELOPER

WHITE CORAL MGMT LLC 2135 MAYFAIR WAY, LOT 28 TITUSVILLE, FL 32796

CIVIL ENGINEER/PLANNER

AVALON ENGINEERING, INC. 2503 DEL PRADO BLVD., SUITE 200 CAPE CORAL, FL. 33904

SURVEYOR

HARRIS JORGENSEN, INC 3046 Del Prado Blvd S, UNIT 3-A CAPE CORAL, FL. 33904

ENVIRONMENTAL

DEX BENDER 4470 CAMINO REAL WAY, SUITE 101 FT. MYERS, FL 33986

TRAFFIC ENGINEER

TR TRANSPORTATION CONSULTANTS. INC. 2726 OAK RIDGE COURT, SUITE 503 FT. MYERS, FL. 33901

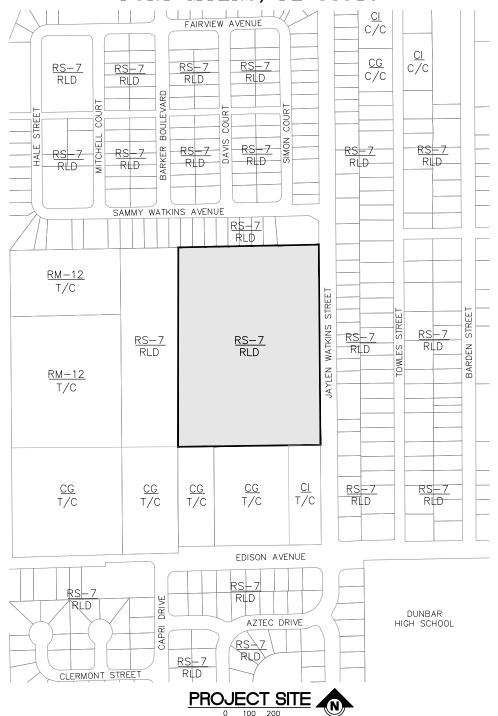
LOCATION: 2200 JAYLEN WATKINS STREET FORT MYERS, FL 33916 SECTION 20 TOWNSHIP 44 S. RANGE 25 E STRAP NUMBER: 20-44-25-P1-00002.0040 ZONING: RS-7 (RESIDENTIAL 7) ZONING: RS-7 (RESIDENTIAL 7)
FUTURE LAND USE: RLD (RESIDENTIAL LOW DENSITY)
DEVELOPMENT TYPE: RESIDENTIAL
WATER: LEE COUNTY UTILITIES
SEWER: LEE COUNTY UTILITIES
IRRIGATION: NONE
STORMWATER: SFWMD
FLOOD ZONE: 'X' (AREA OF MINIMAL FLOOD HAZARD) FINISHED FLOOR MIN. ELEV.: 19.23 (NAVD 88) CONTROL ELEVATION: 14.20 (NAVD 88)
WSWT: 14.20 (NAVD 88)

ZONING LEGEND

| RS-7 | RESIDENTIAL 7 |
|--------------|-----------------------------|
| RLD | RESIDENTIAL LOW DENSITY |
| <u>RM-12</u> | RESIDENTIAL MULTI-FAMILY 12 |
| T/C | TRADITIONAL COMMUNITY |
| CG | COMMERCIAL, GENERAL |
| T/C | TRADITIONAL COMMUNITY |
| <u>Cl</u> | COMMERCIAL, INTENSIVE |
| T/C | TRADITIONAL COMMUNITY |
| CG | COMMERCIAL, GENERAL |
| C/C | CORRIDOR COMMERCIAL |

SITE CONSTRUCTION PLANS WHITE CORAL ESTATES

2200 JAYLEN WATKINS STREET FORT MYERS, FL 33916



THIS PLA SUBSTANTIA WITH ALL DATE COMP: 2/13/20 PERMIT #: SITC-0114 PROPERTY ADDRES Watkins St JOB DESCRIPTION:

No. 90931

PE, ON THE DATE ADJACEN'
TO THE SEAL. PRINTED
COPIES OF THIS DOCUMEN ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Noelle M Vilim 2022.05.20 15:28:17 -04'00'

THIS AREA LEFT BLANK FOR CITY APPROVAL STAMPS

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ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

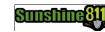
COVER SHEET & LOCATION MAP

VERTICAL ELEVATIONS BASED ON: NAVD-88

- 2. CONTRACTOR SHALL LOCATE AND VERIFY THE SIZE, LOCATION AND DEPTH OF ALL EXISTING UTILITIES IN THE FIELD AND SHALL NOTIFY THE UTILITY COMPANIES IN THE AREA BEFORE BEGINNING CONSTRUCTION. ANY UTILITIES THAT ARE DISTURBED OR DAMAGED BY THE CONTRACTOR SHALL BE IMMEDIATELY REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS EXPENSE. ANY DISCREPANCY NOT CALLED TO THE ENGINEER'S ATTENTION PRIOR TO ACCOMPLISHMENT OF THE WORK SHALL BE CORRECTED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
- 3. ALL MATERIALS AND WORKMANSHIP UNDER THIS PROJECT SHALL BE IN STRICT ACCORDANCE WITH THE CURRENT CONSTRUCTION STANDARDS, SPECIFICATIONS AND DEVELOPMENT STANDARDS, OF THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION UNLESS OTHERWISE
- 4. CONCRETE SIDEWALK: USE CLASS I. 3000 PSI (MINIMUM) CONCRETE. APPLY A BROOM FINISH AND MAKE VERTICAL SAW CUTS AT 5' ON CENTER AT A DEPTH OF 1/4 OF THE SLAB THICKNESS. PROVIDE PRE-FORMED EXPANSION JOINTS AT 50' ON
- 5. CONCRETE CURB & GUTTER AND STRAIGHT CURB: USE CLASS I. 3000 PSI (MINIMUM) CONCRETE. MAKE VERTICAL SAW CUTS EVERY 10' ON CENTER WITH PRE-MOLDED EXPANSION JOINTS EVERY 50' ON CENTER.
- 6. CONSTRUCTION OF NEW DRIVEWAYS AND/OR ALLEYS SHALL BE IN STRICT OF CONSTRUCTION OF THE CONSTRUCTION STANDARDS AND SPECIFICATIONS OF THE CITY OF FORT MYERS TRANSPORTATION DEPT. ALL EXISTING GRADES ALONG RIGHT-OF-WAY SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
- ALL CONSTRUCTION WITHIN PUBLIC RIGHT-OF-WAY SHALL BE IN STRIC ACCORDANCE WITH THE CURRENT LEE COUNTY DEPARTMENT OF TRANSPORTATION STANDARDS AND ALL REQUIRED INSPECTIONS PERFORMED BY THEM.
- 9. PAVEMENT MARKINGS AND SIGNS SHALL BE IN STRICT ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" AND FDOT STANDARD INDEX #711-001.
- 10. CONTRACTOR SHALL VERIFY ALL BUILDING DIMENSIONS WITH THE ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION. ANY DISCREPANCY NOT CALLED TO THE ENGINEER'S ATTENTION PRIOR TO THE ACCOMPLISHMENT OF THE WORK SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
- . WATER AND SEWER SERVICES SHALL CONFORM TO THE SOUTHERN AND APPLICABLE CITY OF FORT MYERS STANDARD PLUMBING CODE, UTILITY REGULATIONS.
- 12. ALL WATER SERVICE LINES UNDER PAVED AREAS SHALL BE ENCASED IN SCHEDULE
- 13. CLEAN-OUTS SHALL BE LOCATED A MINIMUM OF 5 FEET OFF FACE OF BUILDING.
- 14. WATER PIPE 2" AND SMALLER TO BE POLYVINYL CHLORIDE (PVC) AND SHALL CONFORM TO ASTM D-1785, PVC CLASS 1120 OR 1220 SCHEDULE 40 OR 80, 30 INCH MINIMUM COVER. WATER PIPE GREATER THAN 2 INCHES, UP TO AND INCLUDING 10 INCHES IN DIAMETER SHALL BE AWWA C-900. CLASS 150. DR18. MINIMUM 30" INCHES
- 15. GRAVITY SEWER PIPE 4" IN DIAMETER AND GREATER SHALL BE PVC SHALL CONFORM TO ASTM D-3034, SDR 35; 3 FOOT MINIMUM COVER, UNLESS OTHERWISE SHOWN.
- 16. INSTALLATION OF WATER METERS AND CONNECTIONS TO THE CITY OF FORT MYERS WATER MAINS SHALL BE COORDINATED WITH LEE COUNTY PRIOR TO CONSTRUCTION.
- 17. ALL PERVIOUS AREAS WITHIN THE PROJECT CONSTRUCTION LIMITS SHALL BE GRASSED, SODDED OR MULCHED IN ACCORDANCE WITH THE APPROVED LANDSCAPE
- 18. ALL WATERLINES & FIRE SERVICE SHALL BE INSTALLED WITH A MINIMUM OF 30
- 19. WHERE WATER & SEWER MAINS CROSS THE MINIMUM VERTICAL SEPARATION SHALL BE 18 INCHES. WHERE THIS IS NOT POSSIBLE THE WATERLINE SHALL BE ENCASED IN A PVC SLEEVE 10 FEET EITHER SIDE OF THE POINT OF CROSSING.

GEOTECH REPORT NOTE:

THE SITE CONTRACTOR SHALL BECOME FAMILIAR WITH THE GEOTECHNICAL REPORT IF ONE WAS PREPARED. THE CONTRACTOR SHALL COMPLY WITH ALL THE SITE PREPARATION AND OTHER SITE RELATED ITEMS RECOMMENDATIONS AND PROCEDURES



CALL SUNSHINE (1-800-432-4770) 48 HOURS BEFORE YOU DIG IT'S THE LAW IN FLORIDA

RIGHT-OF-WAY CONSTRUCTION NOTES

- CONSTRUCTION OF NEW DRIVEWAYS AND ALLEYS SHALL BE IN STRICT ACCORDANCE WITH THE CURRENT CONSTRUCTION STANDARDS AND SPECIFICATIONS OF THE CITY OF FORT MYERS, FLORIDA AND OTHER STANDARDS REFERENCED HEREIN (REFER TO GENERAL CONSTRUCTION NOTES).
- PRIOR TO COMMENCING ANY WORK WITHIN THE CITY RIGHT-OF-WAYS, THE CONTRACTOR SHALL SET-UP A PRE-CONSTRUCTION MEETING WITH THE CITY INSPECTORS. CITY REQUIREMENTS FOR MATERIAL TEST REPORTS AND PROCEDURES SHOULD BE VERIFED BY THE CONTRACTOR AND THE REPORTS SHALL BE AVAILABLE TO THE INSPECTORS AT THE TIME OF INSPECTION. THE CONTRACTOR SHALL SCHEDULE AND COORDINATE INSPECTIONS AND OBTAIN APPROVAL PRIOR TO PLACEMENT OF CONCRETE AND COR SEPARAL THE TIME OF THE CONTRACTOR SHALL SCHEDULE AND CORPORDINATE INSPECTIONS AND OBTAIN APPROVAL PRIOR TO PLACEMENT OF CONCRETE AND/OR ASPHALT WITHIN THE RIGHT-OF-WAYS.
- PRIOR TO WORKING WITHIN THE RIGHT-OF-WAYS. THE CONTRACTOR IS REQUIRED TO OBTAIN ALL THE NECESSARY RIGHT-OF-WAY PERMITS AND PROVIDE THE NECESSARY WORK ZONE CONTROLS AND SAFETY REQUIREMENTS. PRIOR TO CONSTRUCTION, THE CONTRACTOR IS REQUIRED TO PREPARE A TRAFFIC MAINTENANCE PLAN AND OBTAIN APPROVAL BY THE CITY OF FORT MYERS TRANSPORTATION DEPARTMENT
- THE CONTRACTOR SHALL NOTE THAT THE DESIGN ELEVATIONS SHOWN ON THE PLANS WITHIN THE RIGHT-OF-WAY SHOWN MAY DIFFER FROM THE CITY'S MASTER DESIGN PLAN. ALL PROPOSED GRADES IN THE ALLEYS, DRIVEWAYS AND STREET RIGHTS-OF-WAY SHALL BE VERTIFED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
- THE CITY OF FORT MYERS SURVEY DEPARTMENT SHALL COMPLETE ALL SURVEY LAYOUT WITHIN THE RIGHT-OF-WAY FOR CURB, STORM WATER STRUCTURES, ROAD WIDENING AND ALLEY IMPROVEMENTS PER THE CITY MASTER PLAN. THE CONTRACTOR SHALL COORDINATE THIS LAYOUT WITH THE CITY. ALL PROPERTY SURVEY MONUMENTS WITHIN THE CITY OF FORT MYERS'S RICHT-OF-WAY SHALL BE IN PLACE AND MARKED PRIOR TO REQUESTING CITY LAYOUT OR INSPECTIONS. ANY SURVEY MONUMENT OR CORNER DISTURBED OR DESTROYED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE PRIOR TO REQUESTING LITY. THE CONTRACTOR'S EXPENSE PRIOR TO ENGINEERING FINAL INSPECTION.
- ALL BROKEN OR VERTICALLY MISALIGNED CURB/SIDEWALK DIRECTLY ADJACENT TO THE SITE THAT DO NOT MEET A.D.A. MINIMUM REQUIREMENTS SHALL BE REPLACED. CONCRETE FORMS ARE REQUIRED ON BOTH SIDES OF REPLACEMENT CURBS.
- ANY WORK OR MATERIALS THAT DO NOT CONFORM TO THE SPECIFICATIONS CONTAINED HEREIN OR ANY WORK PERFORMED WITHOUT A CITY INSPECTION IS SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL RESTORATION IN THE CITY RIGHT-OF-WAYS DISTURBED OR DAMAGED DURING CONSTRUCTION INCLUDING SWALE RE-GRADING (REFER TO EROSION CONTROL PLAN AND GENERAL CONSTRUCTION
- ALL CITY TRAFFIC SIGNS AND MAILBOXES IN OR ADJACENT TO THE RIGHT—OF—WAY THAT MUST BE RELOCATED SHALL BE COORDINATED WITH THE CITY TRAFFIC DEPARTMENT. TEMPORARY MAILBOXES SHALL BE MADE AVAILABLE TO THE OWNER(S) AND POSTAL DELIVERY SERVICE DURING CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE THE TEMPORARY AND FINAL LOCATIONS WITH THE LOCAL POST OFFICE.
- 10. THE CONTRACTOR SHALL COORDINATE WITH THE CITY SITE DEVELOPMENT AND REVIEW DIVISION THE INSTALLATION, INSPECTIONS AND PROVIDE SURVEY LAYOUT FOR THE RE-ROUTING OF CITY DRAINAGE PIPES AND STRUCTURES (IF ANY).
- PRIOR TO CONSTRUCTION NEAR OR ADJACENT TO TRAFFIC SIGNALS, THE CONTRACTOR SHALL NOTIFY THE LEE COUNTY DEPARTMENT OF TRANSPORTATION (L.C.D.O.T.) TRAFFIC SIGNAL MAINTENANCE DIVISION AND/OR CITY OF FORT MYERS TRAFFIC DEPT. TO ENSURE THE PROPER OPERATION OF THE SIGNAL AND OTHER APPURTENANCES. THE CONTRACTOR SHALL COORDINATE THE RELOCATION OF SIGNAL BOXES AND LOOPS (IF NY) WITH L.C.D.O.T. AND THE CITY OF FORT MYERS TRAFFIC DEPARTMENT.

MISC. NOTES

- THE SIZES AND LOCATIONS OF THE UNDERGROUND ELECTRIC CONDUITS, SLEEVES, TRANSFORMERS, ENCLOSURES, LIGHT POLES AND OTHER APPURTENANCES ARE BASED UPON THE DESIGN PROVIDED BY FLORIDA POWER AND LIGHT (FPL). FPL SHALL VERIFY ACTUAL LOCATION, SIZE AND DEPTH PRIOR TO INSTALLATION OF THER FACILITIES. THE SITE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE CONSTRUCTION OF THE OTHER SITE—FRLATED IMPROVEMENTS (I.E. PAVING, DRAINAGE, WATER, SEWER, ETC.) WITH THE VERIFIED LAYOUT BY FPL.
- OUTDOOR LIGHTING SHALL COMPLY WITH ALL CITY OF FORT MYERS CODES, STANDARDS AND REGULATIONS, AND SHALL BE DESIGNED IN A FASHION TO PROVIDE ADEQUATE VISIBILITY WITHIN THE DEVELOPMENT WHILE NOT ADVERSELY IMPACTING ADJOINING PROPERTIES. PRIOR TO ISSUANCE OF ANY BUILDING PERMIT, SITE LIGHTING PLAN AND PHOTOMETRIC PLAN SHALL BE SUBMITTED AND APPROVED BY THE CITY OF FORT
- 3. PLANTINGS AT BOTTOM OF RETENTION/DETENTION AREAS I.E. TREES, PALMS AND SHRUBS, MUST NOT INTERFERE WITH THE VOLUME OF STORMWATER STORAGE, OR IMPEDE THE FLOW OF RUNOFF. TREES AND SHRUBS MUST NOT INTERFERE WITH THE REQUIRED SIDE SLOPES AND SHALL NOT BE PLANTED ON SLOPES GREATER THAN 3:1 REQUIRED SIDE SAID SAID SAID THAT WAS AN EPICAMIED ON SLOPES GREATER HAN ST. RETENTION/DETENTION AREAS MUST BE STABILIZED WITH SOD UNLESS AN ALTERNATIVI METHOD IS SPECIFICALLY PERMITTED PRIOR TO PLANS APPROVAL. NO ORGANIC MULCI WILL BE PERMITTED IN RETENTION/DETENTION AREAS.

UTILITY COMPANIES

LEE COUNTY UTILITIES FORT MYERS FL 33902

LEE COUNTY UTILITIES FORT MYERS, FL 33902

FORT MYERS FIRE DEPT. STATION #1 2033 JACKSON STREET FORT MYERS, FL 33901

FLORIDA POWER & LIGHT 15834 WINKLER ROAD FORT MYERS, FL 33908

TELEPHONE/CABLE: CENTURYLIŃK 2820 CARGO STREET FORT MYERS, FL 33916

TELEPHONE / CABLE: COMCAST 12600 WEST LINKS DRIVE, SUITE 4 FORT MYERS, FL 33913

CITY OF FORT MYERS SANITATION DEPARTMENT 2144 ARCADIA STRFFT

GENERAL LEE COUNTY UTILITY NOTES

- ALL WORK SHALL CONFORM TO LATEST REVISION OF THE LCU DESIGN MANUAL WHICH IS AVAILABLE ON OURWEB-PAGE VIA THE FOLLOWING LINK: HTTPS: //WWW.LEEGOV.COM/UTILITIES/DESIGN-MANUAL
- ALL REGULATORY AND PERMITTING AGENCIES' REQUIREMENTS SHALL BE COMPLIED WITH
- ANY QUANTITIES SHOWN ON PLANS ARE NOT VERIFIED BY LCU.
- THE INFORMATION PROVIDED IN THESE PLANS IS SOLELY TO ASSIST THE CONTRACTOR IN ASSESSING THE NATURE AND EXTENT OF CONDITIONS THAT MAY BE ENCOUNTERED DURING THE COURSE OF WORK, ALL CONTRACTORS ARE DIRECTED, PRIOR TO BIDDING, TO CONDUCT WHATEVER INVESTIGATIONS THEY MAY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSION REGARDING THE ACTUAL CONDITIONS THAT WILL BE ENCOUNTERED. AND UPON WHICH THEIR BIDS WILL BE BASED.
- ALL CONSTRUCTION WORK PERFORMED MUST BE DONE BY A CONTRACTOR LICENSED IN HE STATE OF FLORIDA TO DO THE WORK INTENDED.
- A PRE-CONSTRUCTION MEETING IS REQUIRED BEFORE WORK MAY BEGIN. REQUIRED ATTENDEES INCLUDE BUT ARE NOT LIMITED TO; THE ENGINEER OF RECORD OR HIS DESIGNEE, THE UNDERGROUND CONTRACTOR AND THE LCU INSPECTOR ASSIGNED TO THE PROJECT. LCU IS TO BE NOTIFIED TWO (2) WORKING DAYS PRIOR TO THE PRE-CONSTRUCTION MEETING.
- ONE COPY OF THE LCU APPROVED/STAMPED CONSTRUCTION PLANS, ALL CONTRACT DOCUMENTS, REFERENCE DOCUMENTS AND TECHNICAL DOCUMENTS SUBMITTED MUST BE KEPT AT THE SITE AND MAINTAINED IN GOOD ORDER.
- ALL WORK AND MATERIALS. WHICH DO NOT CONFORM TO LCU SPECIFICATIONS. ARE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
- ANY WORK PERFORMED WITHOUT THE KNOWLEDGE OF LCU IS SUBJECT TO RE-EXCAVATION, REMOVAL AND REPLACEMENT OF SAME TO BE DONE AT THE CONTRACTOR'S EXPENSE.
- 10. LCU INSPECTION STAFF IS TO BE PRESENT FOR ALL HOT TAPS, PRESSURE TESTS, LIFT STATION START—UPS AND FOR ANY NECESSARY INSPECTION. THE CONTRACTOR IS TO PROVIDE A MINIMUM OF TWO (2) WORKING DAYS NOTICE PRIOR TO SCHEDULING ANY OF THE ABOVE WITH THE EXCEPTION OF THE LIFT STATION START—UP WHICH REQUIRES ONE-WEEK NOTICE.
- TRAFFIC MUST BE MAINTAINED AT ALL TIMES AS PER LEE COUNTY DEPARTMENT OF TRANSPORTATION (LCDOT) AND PER FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION
- 12. THE CONTRACTOR IS TO UNCOVER ALL EXISTING LINES BEING TIED INTO AND VERIFY GRADES BEFORE BEGINNING CONSTRUCTION.
- LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS, BUT DO NOT PURPORT TO BE ABSOLUTELY CORRECT. LCU WILL NOT GUARANTEE ANY LOCATIONS AS SHOWN ON THESE PLANS OR THOSE OMITTED FROM THESE PLANS.
- THE CONTRACTOR SHALL VERIFY ALL UTILITIES AND PROVIDE AT LEAST TWO (2)
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND TAKE ALL POSSIBLE PRECAUTIONS TO AVOID ANY DAMAGE TO ALL UNDERGROUND PIPELINES, TELEPHONE CABLE TV. ELECTRIC LINES/CONDUITS AND STRUCTURES IN ADVANCE OF ANY CONSTRUCTION. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES THAT MAY OCCUR DUE TO HIS FAILURE TO EXACTLY LOCATE AND PROTECT EXISTING UTILITIES AND STRUCTURES.
- 16. ANYTHING NOT SHOWN ON THESE DRAWINGS SHOULD BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND SHALL NOT CONSTITUTE AN EXTRA, UNLESS APPROVED BY THE ENGINEER OF RECORD.

LEE COUNTY UTILITY NOTES (CONT.)

THIS PL 17 THE CONTRACTOR SHALL CONTACT THE ENGINEER AND LCU IMMEDIATELY CONCERNING STANTIL ANY CONFLICTS WITH LCU UTILITIES/STRUCTURES ARISING DURING CONSTRUCTION OF THE ALL ANY FACILITIES SHOWN ON THESE DRAWINGS.

18. THE CONTRACTOR SHALL VERIFY ALL QUANTITIES SHOWN ON THE PLANS. IF ANY P: 2/13/20 DISCREPANCIES IN QUANTITIES ARE FOUND, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD AND LCU.

THE CONTRACTOR SHALL REPLACE ALL PAVEMENT, CURBS, DRIVEWAYS, SIDEWALKS, ADDRES FENCES, ETC., WITH THE SAME TYPE OF MATERIAL THAT WAS REMOVED DURING CONSTRUCTION OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL RESTORE ALL AREAS AFFECTED BY THE CONSTRUCTION TO ITS ORIGINAL CONDITION, OR BETTER

20. WITHIN THE FDOT AND LCDOT RIGHT-OF-WAY, ALL DISTURBED AREAS SHALL RECEIVE TION: Site Work/Ut GRASSING (SEEDING) OR SODDING MATERIALS IN ACCORDANCE WITH FDOT SPECIFICATIONS. THOSE AREAS THAT ARE CLASSIFIED AS DRAINAGE DITCHES SHALL RECEIVE FULL SOLID SOD.

21. ALL FRAMES, COVERS VALVE BOXES, METER BOXES AND MANHOLES SHALL BE ADJUSTED TO FINISHED GRADE UPON COMPLETION OF PAVING OR RELATED. STRUCTION. ALL VALVE PADS SHALL BE POURED IN PLACE. NO PRE-FORMED VALVE PADS WILL BE ALLOWED.

22. APPROPRIATE TURBIDITY CONTROL DEVICES (E.G. SILT FENCES, HAY BALES) WILL BE UTILIZED DURING ALL PHASES OF INSTALLATION AND GRADING. CONTRACTOR IS RESPONSIBLE FOR SUBMITTING THE NOTICE OF INTENT AND NOTICE OF TERMINATION TO THE EPA IN COMPLIANCE WITH LEE COUNTY'S NPDES PERMIT.

23. CONTRACTOR IS RESPONSIBLE FOR DEVELOPING AND MAINTAINING AN EFFECTIVE STORM WATER POLITION PREVENTION PLAN

24. LCU REQUIRES 30" OF COVER FOR ALL UNDERGROUND PIPING EXCEPT UNDER PAVEMENT, WHERE 36" OF COVER IS REQUIRED. IF LCU REQUIRED COVER CANNOT BE MAINTAINED, THE CONTRACTOR SHALL PROVIDE OTHER METHODS OF CONSTRUCTION OR PIPE PROTECTION, WHICH SHALL FIRST BE APPROVED BY LCU AND THE ENGINEER, AT NO ADDITIONAL COST TO THE COUNTY. IF STATE AGENCIES REQUIRE ADDITIONAL COVER, MEETING THE REQUIREMENTS SHALL BE DONE AT NO ADDITIONAL COST TO THE COUNTY.

25. LCU REQUIRES THERE TO BE A MINIMUM OF TEN (10) FEET HORIZONTAL AND 18 VERTICAL SEPARATION BETWEEN POTABLE WATER & SANITARY SEWER MAINS. LCU ALSO REQUIRES MINIMUM OF TEN (10) FEET HORIZONTAL SEPARATION BETWEEN OTHER PUBLIC AND/OR PRIVATE UTILITIES, STRUCTURE(S), BUILDING(S), WALL(S), FOUNTAIN(S) FENCE(S) AND LCU INFRASTRUCTURE UNLESS SPECIFICALLY APPROVED BY LCU.

26. LCU REQUIRES THERE TO BE A MINIMUM OF FIVE (5) FEET HORIZONTAL SEPARATION BETWEEN LCU INFRASTRUCTURE AND DRAINAGE INFRASTRUCTURE, MITERED END SECTIONS, INLETS, ETC. LCU ALSO REQUIRES MINIMUM OF FIVE (5) FEET HORIZONTAL SEPARATION BETWEEN LCU INFRASTRUCTURE AND ALL NEW LIGHT POLE FOUNDATIONS.

27. THE ROOT BALL OF PALM TREES SHALL BE A MINIMUM OF FIVE (5) FEET AND THE ROOT BALL OF SHADE TREES SHALL BE A MINIMUM OF TEN (10) FEET FROM ANY EXISTING OR PROPOSED LCU OWNED AND MAINTAINED PIPE/INFRASTRUCTURE.

AS THE WORK PROGRESSES THE CONTRACTOR SHALL RECORD ALL CHANGES AND DEVIATIONS FROM THE LCU STAMPED/APPROVED CONSTRUCTION PLANS. IN ADDITION, HE DEVIATIONS FROM THE LCU STAMPED/APPROVED CONSTRUCTION PLANS. IN ADDITION, HE SHALL RECORD THE EXACT LOCATION OF ALL CHANGES IN VERTICAL AND HORIZONTAL ALIGNMENT WITH COORDINATES WITH RESPECT TO THE NAVD 1988 STATE PLANE FLORIDA WEST COORDINATE SYSTEM AS WELL AS ALL REQUIREMENTS SET FORTH IN THE LCU DESIGN MANUAL THIS INFORMATION IS TO BE FORWARDED TO THE ENGINEER OF RECORD WHO PREPARED, SIGNED AND SEALED THE APPROVED CONSTRUCTION PLANS SO THAT HE CAN PREPARE RECORD DRAWINGS PER THE REQUIREMENTS SET FORTH IN THE LCU DESIGN MANUAL.

LEGEND

ZONING AND LANDUSE

EXIST. WATER MAIN & G.V. PROP. WATER MAIN & G.V.

METER AND/OR BACKFLOW DEVICE

FIRE HYDRANT ASSEMBLY

EXIST. IRRIGATION MAIN & G.V. PROP. IRRIGATION MAIN & G.V.

PROP. FIRE MAIN & SERVICE

EXIST. SEWER MAIN (SDR 26 PVC) AND MANHOLE

PROP. SEWER MAIN (SDR 26 PVC) AND MANHOLE

SEWER LATERAL W/ CLEANOUT

EXIST. STORM DRAIN & INLET PROP. STORM DRAIN & INLET

STRUCTURE I.D.

24" MIN. COVER

(PROP. YARD DRAIN (P-25)

DETENTION AREAS (2) 4" PVC SLEEVES AT

EXISTING ELEVATION DRAINAGE FLOW ARROW PROPOSED ELECTRIC CAR CHARGING POST WITH SIGN

PROPOSED BIKE RACK PROPOSED ELEVATION 6.50

 6.50_{\times} CITY DESIGN ELEVATION **

 $\dot{\Box}$

 \Box LIGHT POLE (BY OTHERS) HANDICAP RAMP (12:1 MAX. SLOPE)

******* ROCK BOULDER RIP-RAP OVER FILTER FABRIC

POWER POLE W/OVERHEAD LINES TRANSFORMER PAD

(BY OTHERS, COORDINATE W/ELEC. COMPANY)

T PHONE/CABLE BOX (BY OTHERS) CONCRETE

DETECTABLE WARNING MATERIAL HEAVY DUTY ASPHALT PAVEMENT (SEE SECTIONS)

TYPICAL ASPHALT PAVEMENT (SEE SECTIONS) ** ALL DESIGN ELEVATIONS WITHIN CITY R/W

INCLUDING PAVEMENT, WALKS, DRIVES & ALLEYS ARE TO BE COORDINATED WITH CITY PUBLIC WORKS DEPT. PRIOR TO CONSTRUCTION.

SEWER, WATER/IRRIGATION SERVICES AND FIRE HYDRANT ASSEMBLIES ARE SHOWN IN A SCHEMATIC FORMAT FOR CLARITY, REFER TO SEWER & WATER/IRRIGATION DETAIL SHEETS FOR PLACEMENT OF SERVICES AND HYDRANTS.

No. 90931 STATE OF

THE OF SHEET DIGITAL UNDER

RING, BLVD. DRIDA ... 2503 CAPE

T. C.

Estat NS STRI

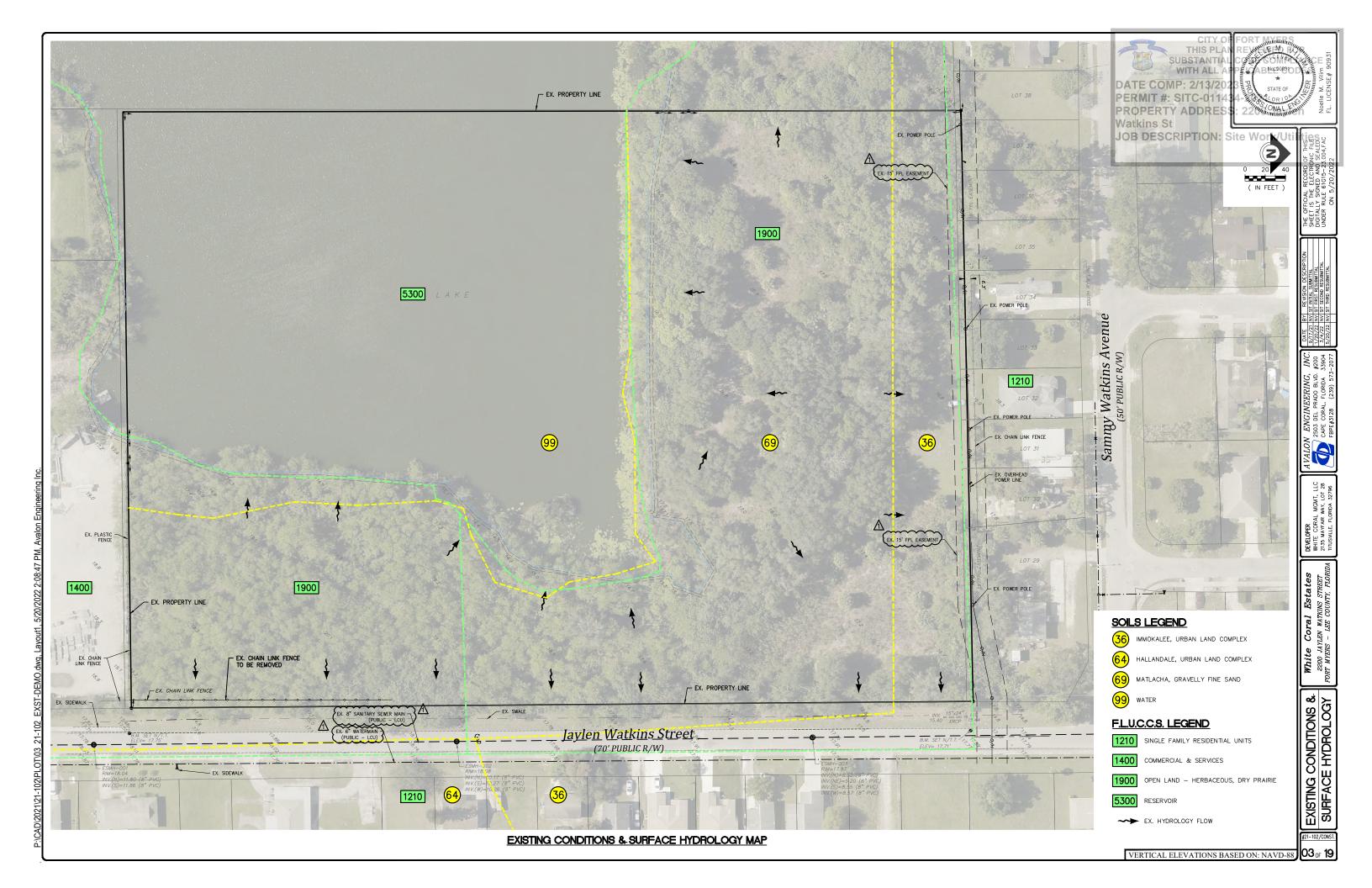
ral WATH EE C White 2200 JAYI FORT MYERS

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1-102/CONS

VERTICAL ELEVATIONS BASED ON: NAVD-88



STORM WATER POLLUTION LEGEND

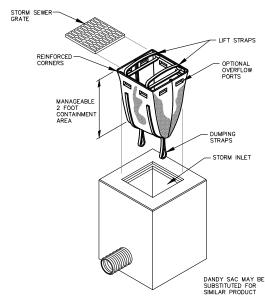
STAKED SILT FENCE

TURBIDITY BARRIER

INLET PROTECTION

FLOW ARROWS

PROJECT SITES WITHIN CITY OF FORT MYERS: CONTRACTOR TO REFER TO CITY OF FORT MYERS ENGINEERING DESIGN STANDARDS FOR ADDITIONAL EROSION CONTROL DETAILS (SHEET E-1 THRU E-4)



DANDY SACK[™]INLET PROTECTION

PLAN VIEW PLAN VIEW CULVERT WITHOUT STANDARD
END SECTION SECTION A-A SECTION C-C SECTION D-E PROTECTIVE APRON AT CULVERT OUTLET

e for aprons serving culverts with slopes less than 10% nish geotextile conforming to Subsection 714.01(a) avaition for placement of riprap will not be measured for payment

| | CULVERT SIZE D (inches) | RIPRAP CLASS | LENGTH OF APRON L (feet) | DEPTH OF APRON H (feet) | ESTIMATED RIPRAP QUANITY (cv) | ESTIMATED GEOTEXTILE QUANITY (SY) |
|---------|----------------------------------|-----------------|--------------------------------------|-------------------------------------|----------------------------------------|--------------------------------------------|
| | 12 | 2 | 5 | 1.5 | 0.9 | 5 |
| | 18 | 2 | 7 | 1.5 | 1.8 | 8 |
| WITH | 24 | 2 | 9 | 1.5 | 3 | 11 |
| SECTION | 30 | 3 | 13.5 | 2 | 7.5 | 21 |
| SECTION | 36 | 3 | 16 | 2 | 10.7 | 28 |
| | 42 | 4 | 22 | 2,5 | 21.4 | 44 |
| | 48 | 4 | 25 | 2.5 | 27.8 | 54 |
| | 12 | 2 | 8 | 1.5 | 1.4 | 7 |
| WITHOUT | 18 | 2 | 10 | 1,5 | 2.5 | 10 |
| END | 24 | 2 | 12 | 1.5 | 4 | 14 |
| SECTION | 30 | 3 | 16.5 | 2 | 9.2 | 25 |
| | 36 | 3 | 19 | 2 | 12.7 | 32 |
| | 42 | 4 | 25 | 2.5 | 24.4 | 49 |
| | 48 | 4 | 28 | 2.5 | 31.2 | 60 |

PLACED RIPRAP AT CULVERT OUTLETS (WITH DITCH)

PERMIT #: SITC-0114 PROPERTY ADDRES Watkins St JOB DESCRIPTION: Site W

THIS PL SUBSTANTIA WITH ALL No. 90931 DATE COMP: 2/13/20 STATE OF

> (IN FEET

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- THE CONTRACTOR SHALL ADHERE TO THE SEQUENCE OF OPERATIONS FOR EROSION CONTROL IMPLEMENTATION HEREON. ANY DEVIATION FROM THIS SEQUENCE DEEMED NECESSARY BY THE CONTRACTOR SHALL BE APPROVED BY THE OWNER.

- 4. OIL AND GREASE ABSORBING MATERIALS SHALL BE READILY AVAILABLE ON-SITE AND SHALL BE PROMPTLY USED TO CONTAIN AND/OR CLEAN UP ALL FUEL OR CHEMICAL SPILLS OR LEAKS.
- 6. ALL CITY RIGHT-OF-WAYS THAT ARE DISTURBED DURING CONSTRUCTION SHALL BE PERMANENTLY SODDED PRIOR TO THE COMPLETION OF THE PROJECT.
- 7. DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION AREAS HAVE PERMANENTLY CEASED SHALL BE PERMANENTLY SEEDED OR SODDED, AS SHOWN ON THE ATTACHED PLAN, WITHIN FOURTEEN DAYS.
- 8. ALL VEHICLES SHALL BE CLEANED AT THE CONSTRUCTION SITE PRIOR TO EXITING.
- ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED ONTO ADJACENT ROADWAYS BY VEHICLES EXITING THE SITE SHALL BE CLEANED OR REMOVED IMMEDIATELY.
- 10.THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROMPT REMOVAL OF ALL ACCUMULATED SILT IN THE STORM SEWER SYSTEM AND ALONG SILT FENCES.
- 12.ANY ADDITIONAL EROSION CONTROL MEASURES REQUIRED TO ENSURE COMPLIANCE WITH THE U.S.E.P.A.; FLORIDA DEP AND LOCAL GOVERNING AGENCY STORM WATER POLLUTION REGULATIONS SHALL BE IMPLEMENTED BY THE CONTRACTOR, AT NO ADDITIONAL COST TO THE OWNER.
- 14. THE CONTRACTOR SHALL ASSUME LIABILITY FOR DAMAGE TO ADJACENT PROPERTIES AND/OR PUBLIC RICHT-OF-WAY RESULTING FROM FAILURE TO FULLY IMPLEMENT AND EXECUTE ALL EROSION CONTROL PROCEDURES SHOWN AND NOTED IN THE PLANS.
- 15. WHENEVER DIRT, ROCK OR OTHER MATERIALS ARE EXPORTED FOR USE OFF OF THE PRIMARY CONSTRUCTION SITE, THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THAT EPA STORMWATER PERMITTING REQUIREMENTS ARE MET. PRIOR TO ANY EXPORT OF MATERIALS, THE CONTRACTOR SHALL FURNISH THE ENGINEER WITH A WRITTEN AGREEMENT WITH ANY LANDOWNER WHO WILL RECEIVE EXPORTED MATERIALS, STATING THAT THE SITE WILL BE PROPERLY PERMITTED WHEN REQUIRED AND DESCRIBE THE EROSION CONTROL MEASURES WHICH WILL BE USED. AT A MINIMUM, EROSION CONTROL MEASURES MUST CONSIST OF PERIMETER CONTROLS (SYNTHETIC BALES OR SILT FENCES) ON ALL DOWNSLOPE AND SIDESLOPE BOUNDARIES OF ANY DISTURBED AREAS, PLUS PROVISIONS FOR RE-VEGETATION AFTER THE FILL MATERIALS ARE IN PLACE.
- 16.PRIOR TO CONSTRUCTION FILTER FABRIC SILT FENCE, OR OTHER .PRIOR TO CONSTRUCTION FILTER FABRIC SILT FENCE, OR OTHER APPROVED EROSION CONTROL DEVICES SHALL BE INSTALLED ACROSS THE SWALE AT THE LOWEST DISTURBED POINT TO PREVENT EROSION MATERIAL FROM LEAVING THE CONSTRUCTION AREA, INCLUDING ANY VACANT AREAS USED FOR INGRESS AND EGRESS. ALTERNATIVE USES COULD BE GEO—HAY, WADDLES, TERRA TUBES, SEDIMENT LOGS,
- 17.ALL AFFECTED STORMWATER PIPES, INLETS AND CATCH BASINS SHALL BE PROTECTED BY EROSION CONTROL DEVICES TO PREVENT CONSTRUCTION RELATED EROSION MATERIAL FROM ENTERING THE STORMWATER SYSTEM. SHOULD THE EROSION CONTROLS NOT BE INSTALLED AND/OR FAIL THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING THE ENTIRE SYSTEM AS DEEMED NECESSARY BY THE ENGINEER AND GOVERNING AGENCY.
- 18. THE EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION PROCESS AND SHALL REMAIN IN PLACE UNTIL STABILIZED WITH SOD AND THE VACANT AREAS ARE SEEDED AND
- 19.REFER TO FDOT EROSION AND SEDIMENT CONTROL MANUAL & DETAILS.
- 20.ALL DEWATERING SHALL BE IN ACCORDANCE WITH S.F.W.M.D. CRITERIA.

STORM WATER POLLUTION NOTES

2. THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS INVOLVED WITH THE CONSTRUCTION ACTIVITIES RELATED TO EROSION CONTROL AS SHOWN OR NOTED HEREON SHALL OBTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP), AS WELL AS THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT FOR THIS SITE, AND BECOME FAMILIAR WITH THEIR CONTENTS.

3. ALL WASH WATER SHALL BE DISPOSED OF IN A MANNER THAT PREVENTS CONTACT BETWEEN WASH WATER POLLUTANTS AND STORM RUNOFF DISCHARGED FROM THIS SITE.

5. DUST CONTROL SHALL BE ACCOMPLISHED BY WATERING DRY, EXPOSED AREAS ON A REGULAR BASIS. SPRAYING OF PETROLEUM BASED OR TOXIC LIQUIDS FOR THIS IS PROHIBITED.

11.SILT FENCES SHALL BE PLACED AROUND ANY STOCKPILES USED ON THIS SITE.

13.ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED AND PROPERLY DISPOSED OF OFF-SITE WITHIN THIRTY DAYS AFTER STABILIZATION OF ALL SURFACES.

RE-VEGETATION AFTER THE FILL MATERIALS ARE IN PLACE.

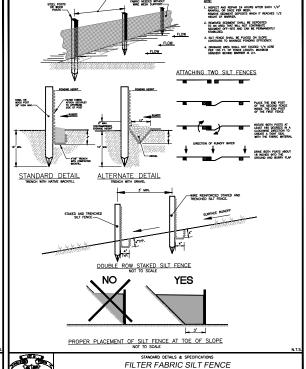
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EXISTING PAVED ROADWAY SECTION A-A

TEMPORARY GRAVEL CONSTRUCTION ENTRANCE

DATE: 2009

E - 1



E - 2

CULVERT WITH STANDARD PROTECTIVE APRON AT CULVERT OUTLET WITHOUT DITCH RIPRAP CLASS ESTIMATED RIPRAP QUANITY (CY) WITHOUT END SECTION

E - 3

PLACED RIPRAP AT CULVERT OUTLETS (WITHOUT DITCH) DATE: 2009

DATE: 2009

E-4

VERTICAL ELEVATIONS BASED ON: NAVD-88

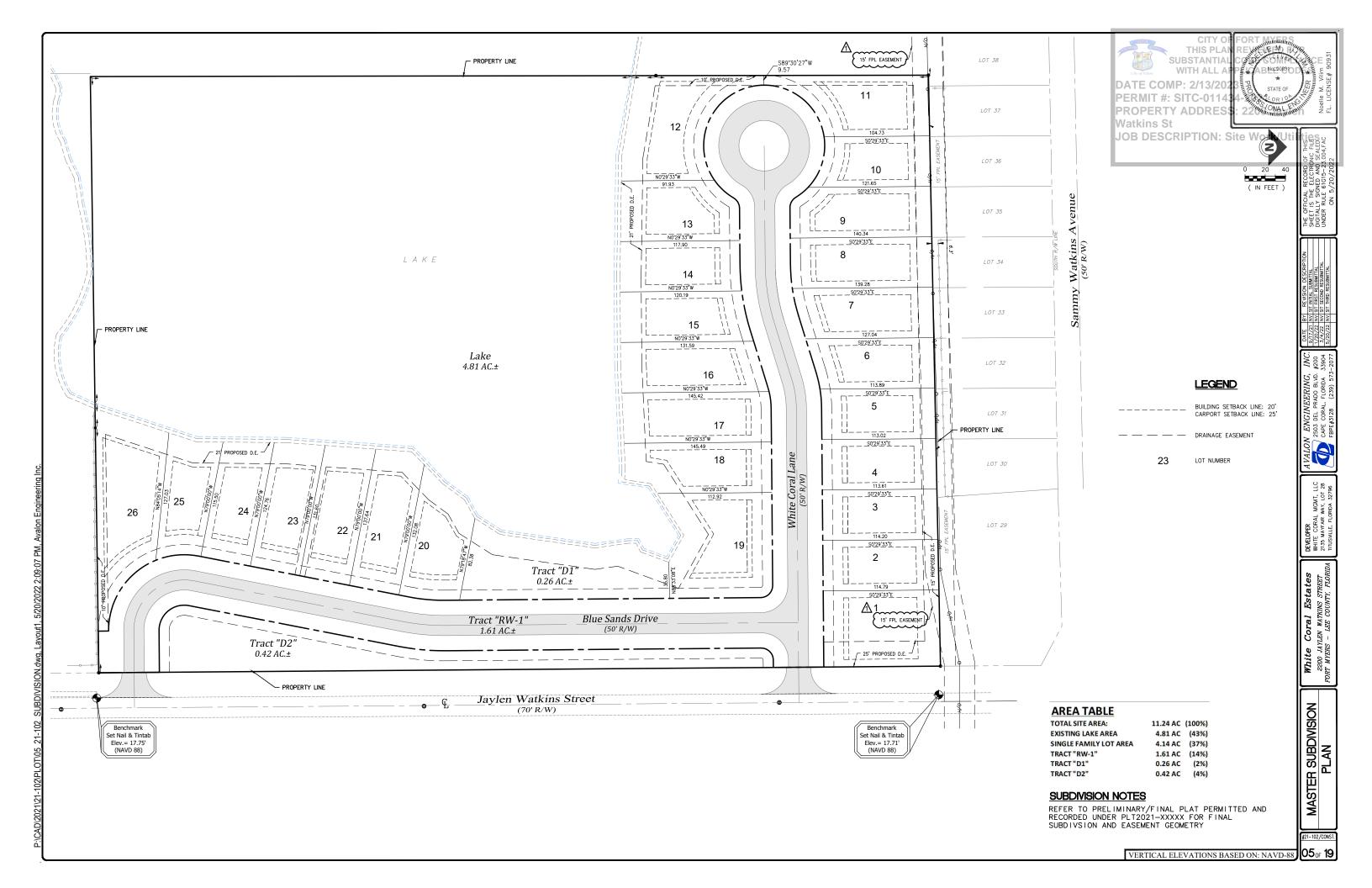
굽 CONTROL

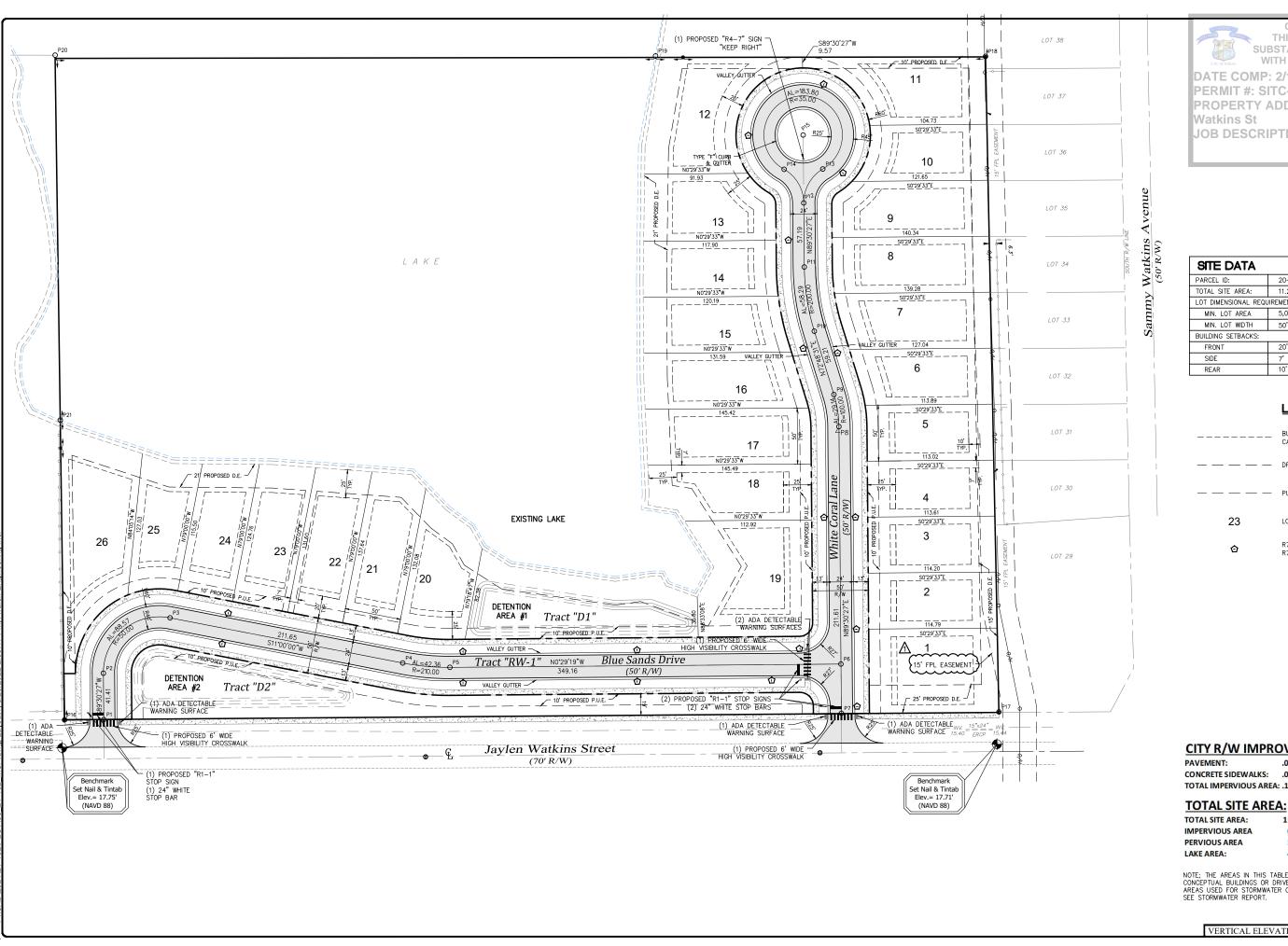
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White Cor 2200 JAYLEN R RT MYERS - LE

21-102/CONS







| SITE DATA | |
|----------------------|-------------------------|
| PARCEL ID: | 20-44-25-P1-00002.0040 |
| TOTAL SITE AREA: | 11.24 AC.± |
| LOT DIMENSIONAL REQU | JIREMENTS: |
| MIN. LOT AREA | 5,000 SF |
| MIN. LOT WIDTH | 50' |
| BUILDING SETBACKS: | |
| FRONT | 20' / 25' W/GARAGE DOOR |
| SIDE | 7' |
| DEAD | 10' / 25' ON WATER RODY |

LEGEND

BUILDING SETBACK LINE: 20' CARPORT SETBACK LINE: 25' DRAINAGE EASEMENT, VARIES PUBLIC UTILITY EASEMENT, 10'

LOT NUMBER

R7-1 (NO PARKING) SIGN R7-201 (TOW AWAY ZONE)

CITY R/W IMPROVEMENTS

CONCRETE SIDEWALKS: .09 AC TOTAL IMPERVIOUS AREA: .13 AC

11.24 AC (100%) 0.96 AC (9%) IMPERVIOUS AREA 5.45 AC (48%) 4.81 AC (43%)

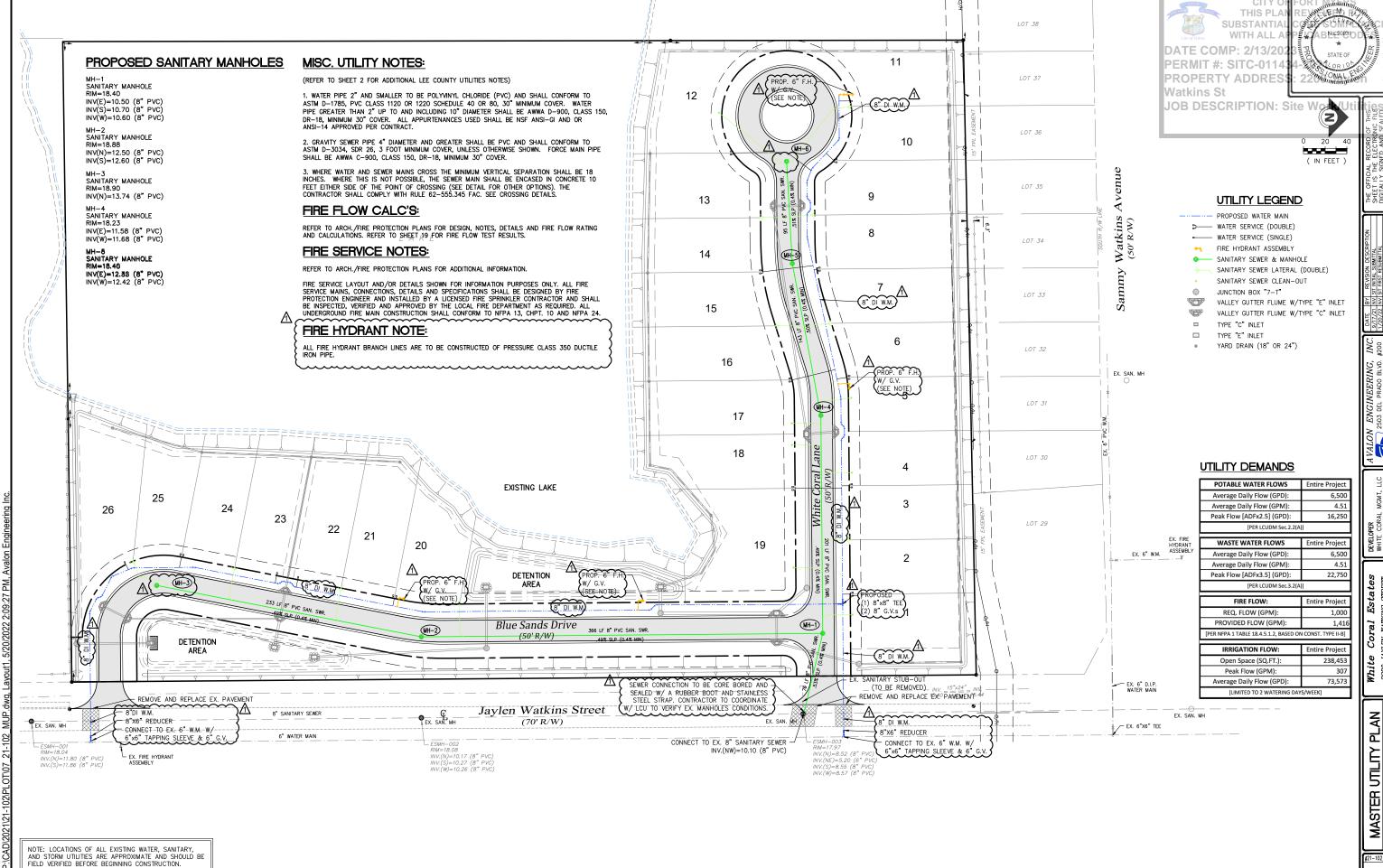
NOTE; THE AREAS IN THIS TABLE DO NOT INCLUDE CONCEPTUAL BUILDINGS OR DRIVEWAYS. FOR SITE AREAS USED FOR STORMWATER CALCULATIONS, SEE STORMWATER REPORT.

VERTICAL ELEVATIONS BASED ON: NAVD-88 06 of 19

PLAN

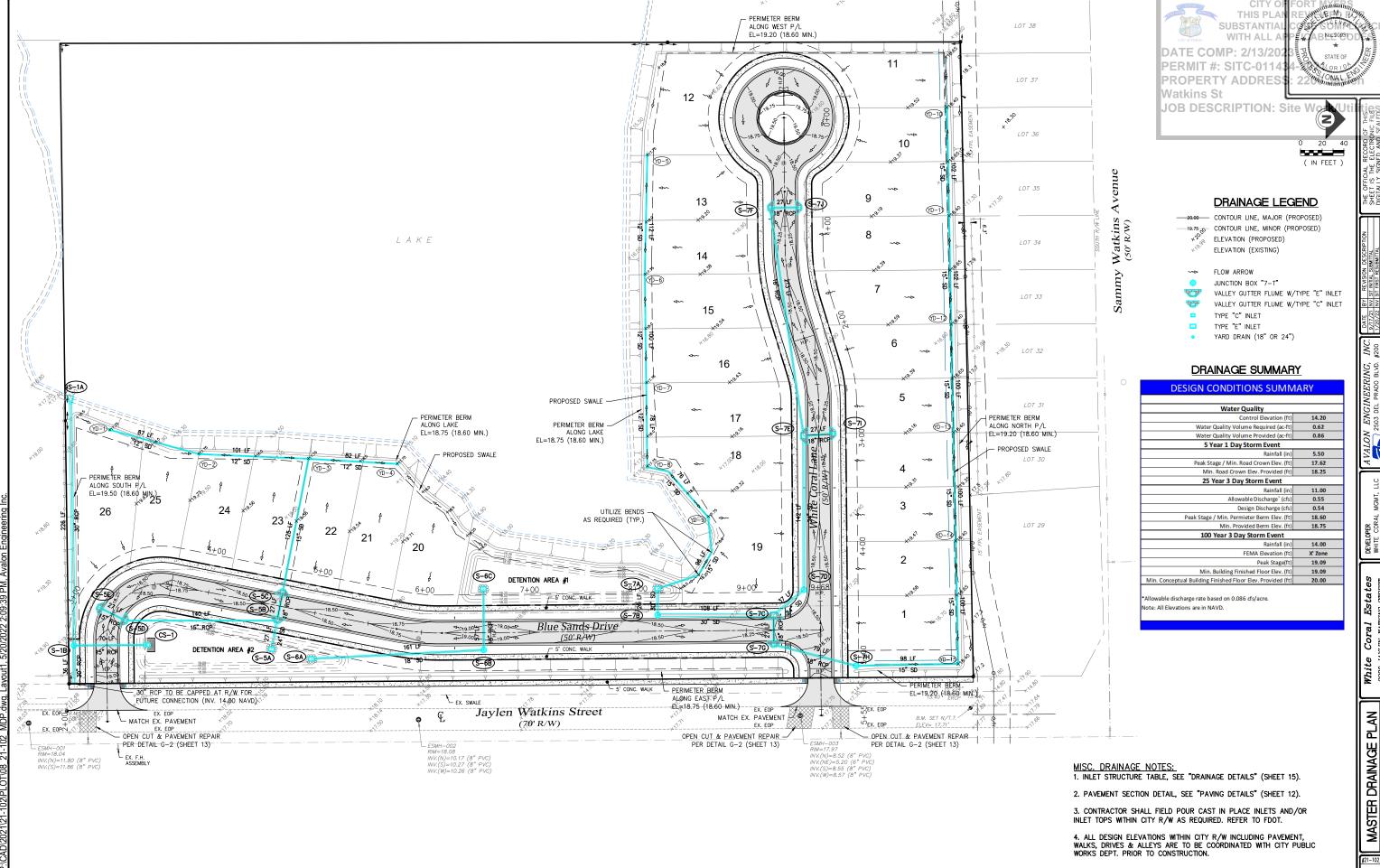
SITE

MASTER

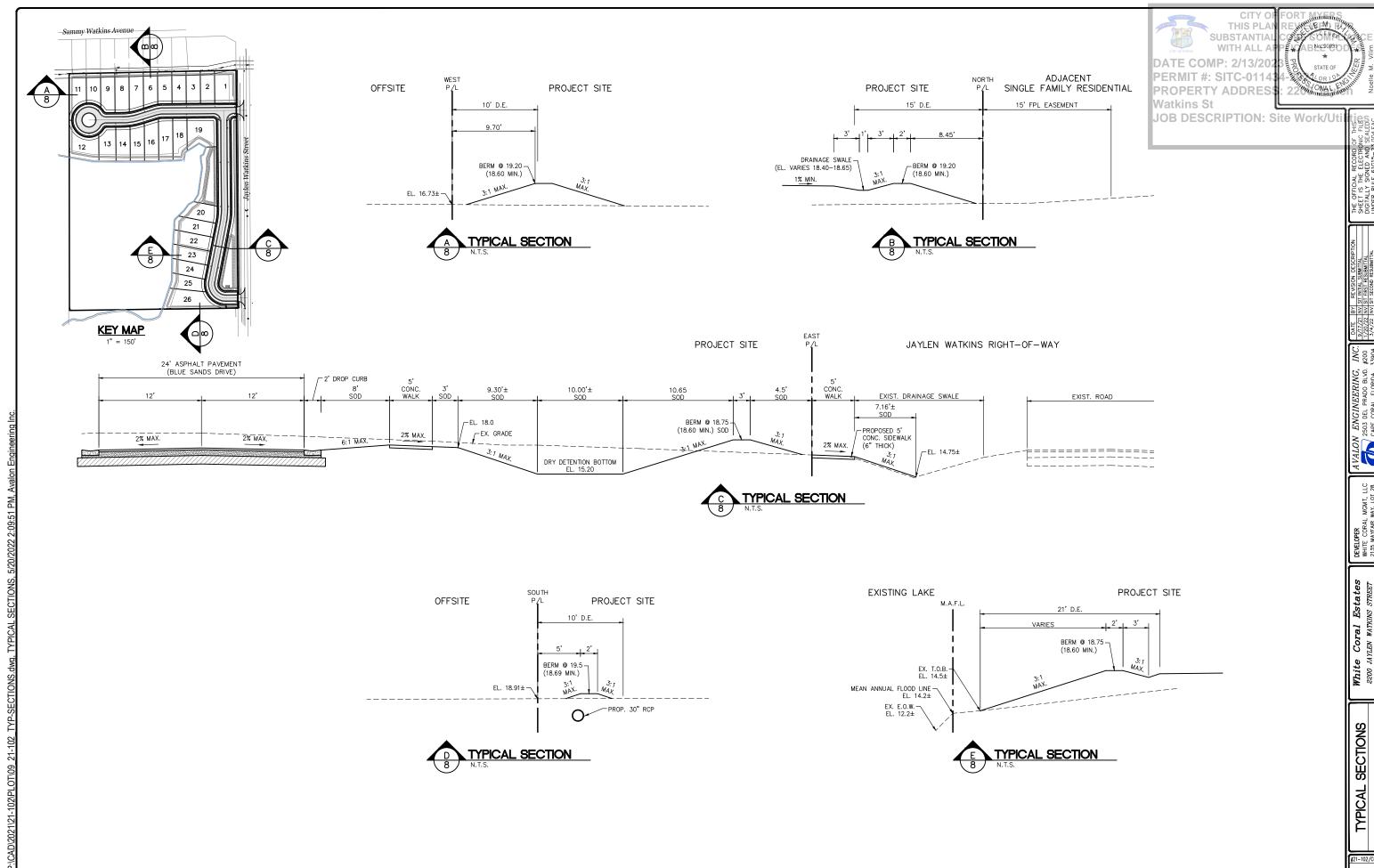


VERTICAL ELEVATIONS BASED ON: NAVD-88

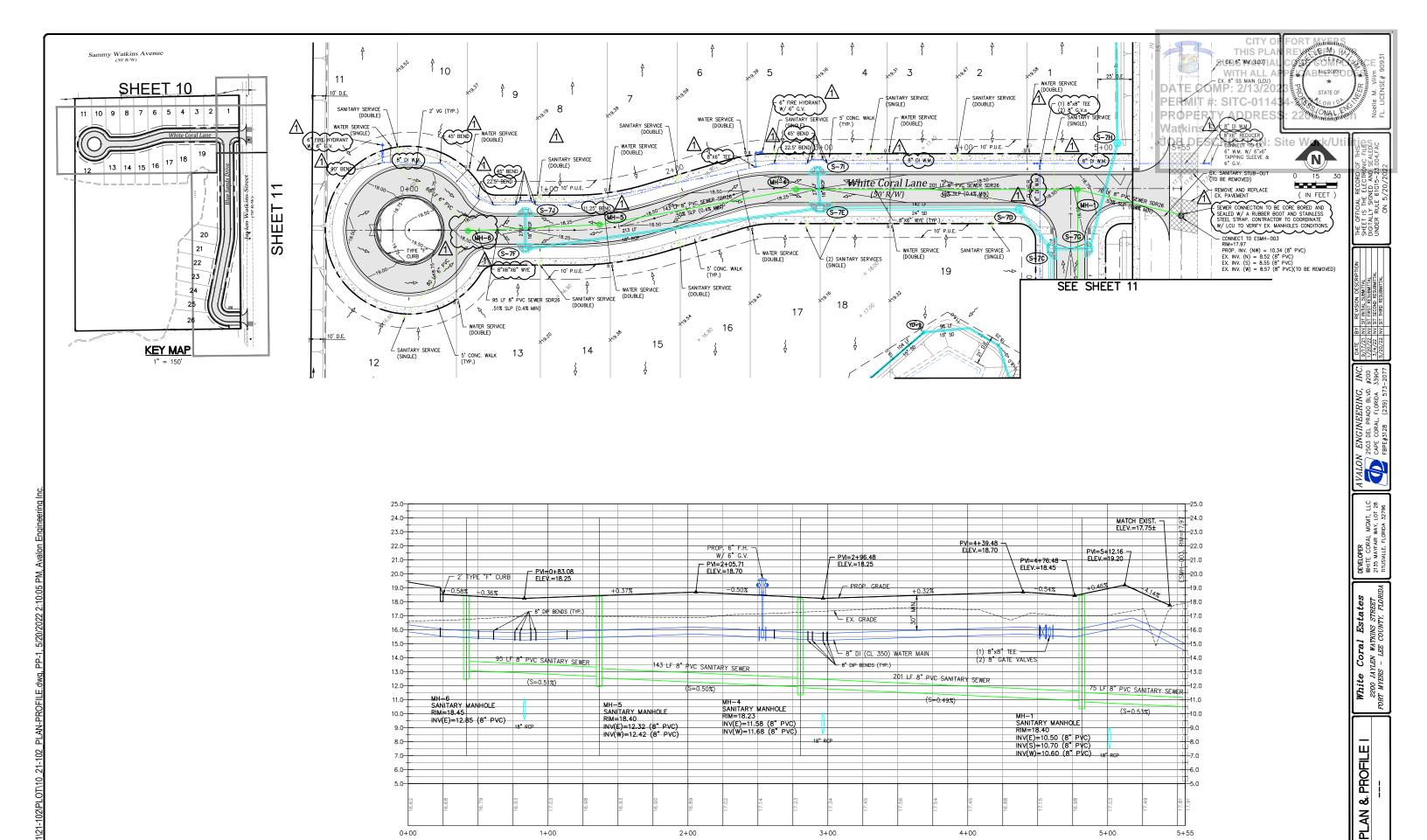
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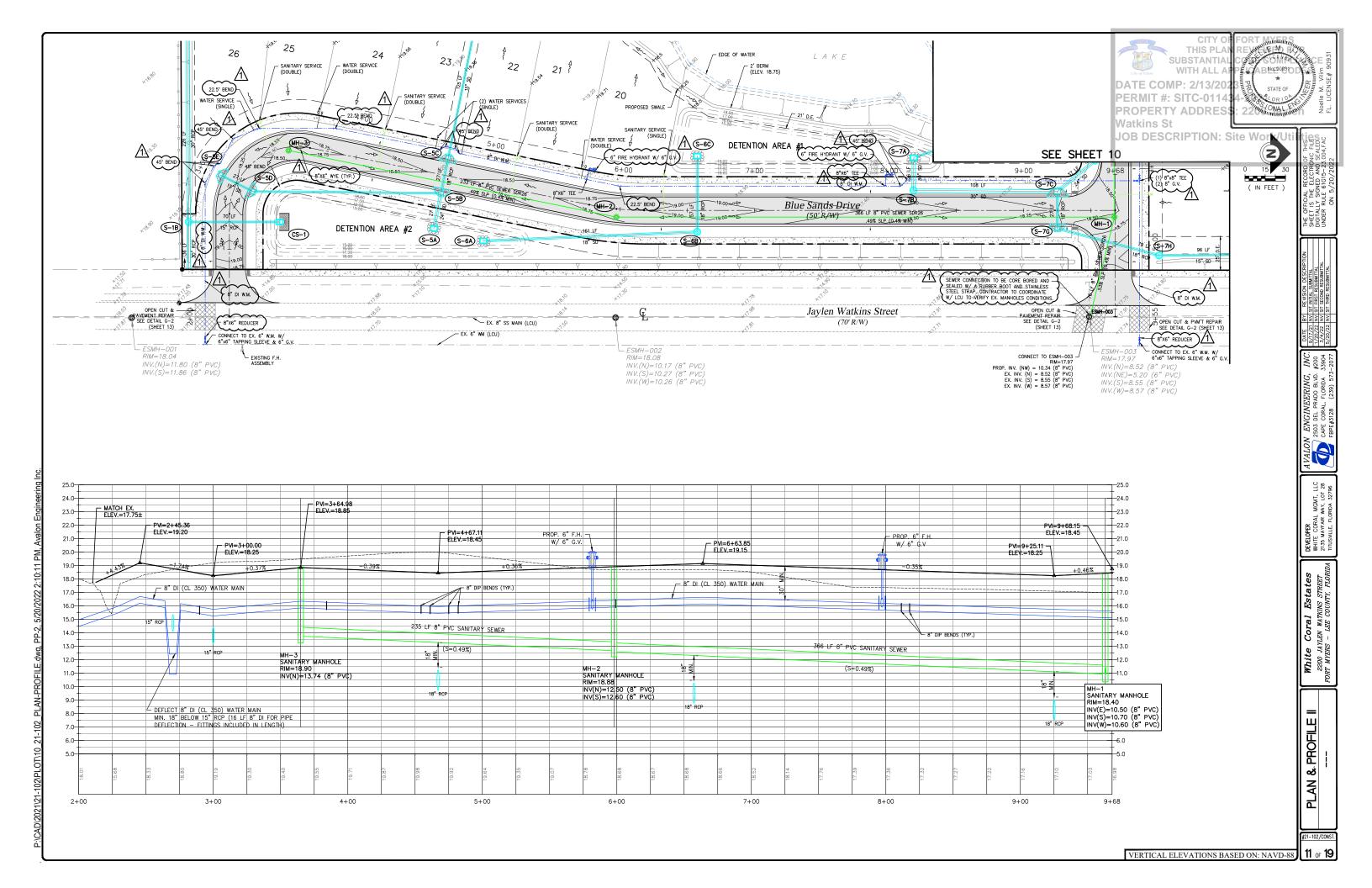
VERTICAL ELEVATIONS BASED ON: NAVD-88 08 of 19

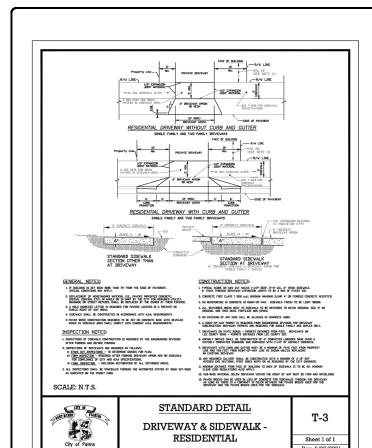


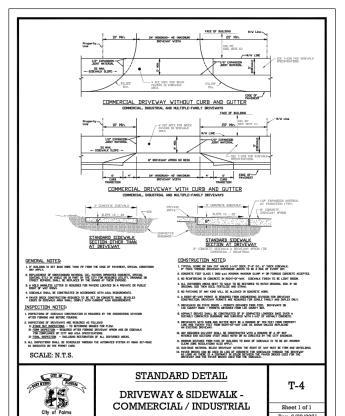
VERTICAL ELEVATIONS BASED ON: NAVD-88 09 of 19

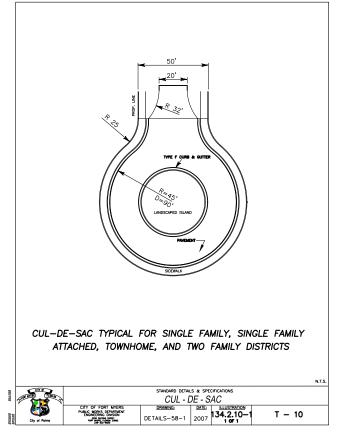


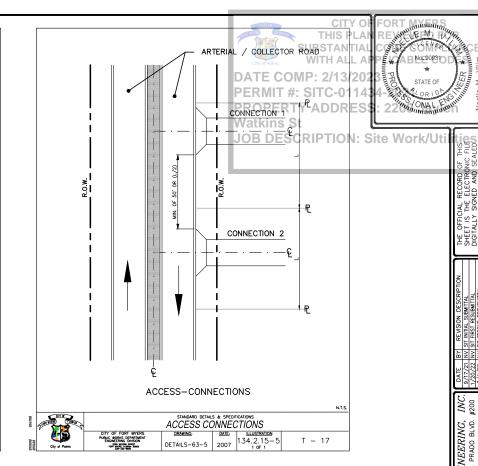
VERTICAL ELEVATIONS BASED ON: NAVD-88 10 of 19

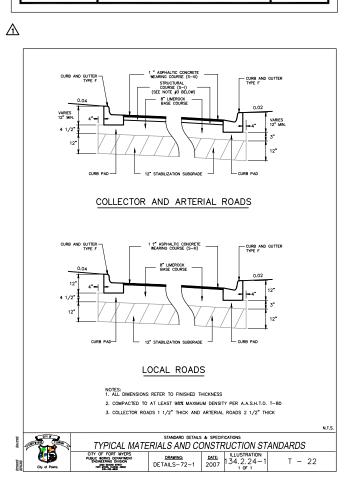


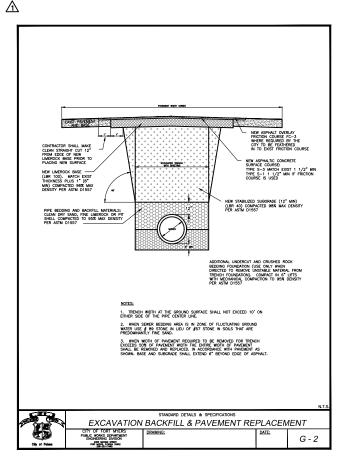


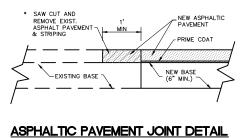




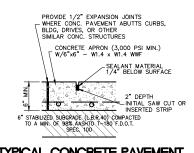






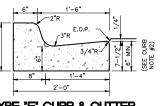


NOTE: * EX. STRIPING ALONG EDGE TO BE OBLITERATED



TYPICAL CONCRETE PAVEMENT N.T.S.

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TYPE 'F' CURB & GUTTER -F.dwg (200 N.T.S.





HEAVY DUTY (HD) PAVEMENT SECTION WITHIN CITY R/W & (ON-SITE WHERE SHOWN)

1-1/2" ASPHALTIC CONC S-I (SP-12.5) & 1" S-III (SP-9.5) WEARING SURFACE FDOT SPEC 334, OVER TACK COAT

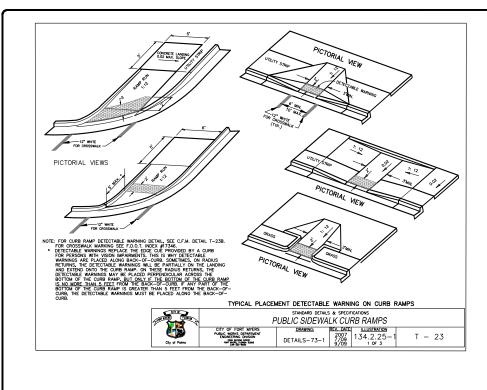
8" LIMEROCK BASE COURSE COMPACTED TO A MIN DENSITY OF 98% AASHTO T-180 F.D.O.T. SPEC 200 (LBR 100)

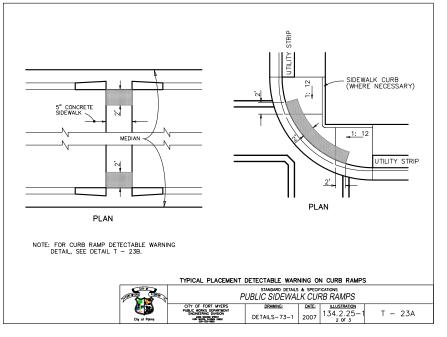
TYPICAL PAVEMENT SECTIONS

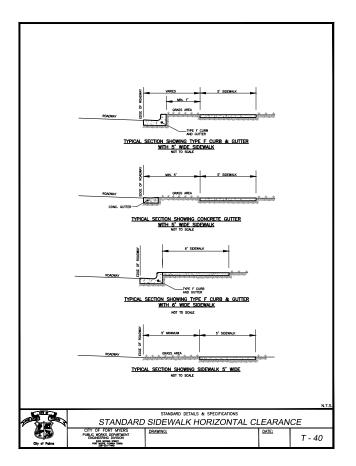
VERTICAL ELEVATIONS BASED ON: NAVD-88

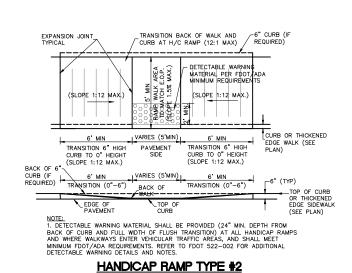
White Coral Estates 2200 Jaylew Watkins Street ORT MYERS - LEE COUNTY, FLORID

PAVING DETAILS 1









White Coral Este 2200 JAYLEN WATKINS ST FORT MYERS - LEE COUNTY,

PAVING DETAILS

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SUBSTANTIA

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No. 90931

RE PERPENDICULAR WITH THE CURB
TITERN SHALL BE IN-JUNE WITH
TRANEL. OR RAMPES INTERSECTING
S, THE DOWE PATTERN SHALL BE
DIRECTION OF TRANEL TO THE

INTEGRAL DOVE
THE TOP WIDTH OF THE DOME SHALL BE A MINIMUM OF 50%
AND THE MAXIMUM OF 65% OF THE BASE DIAMETER.

CITY OF FORT MYERS REQUIREMENTS FOR CITY PROJECTS (CAST-IN-PLACE COMPISITE TACTILE)

F.D.O.T. REQUIREMENTS FOR ALL STATE FUNDED PROJECTS
(SURFACE MOUNT COMPOSITE TACTILE)

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TYPICAL PLACEMENT DETECTABLE WARNING ON CURB RAMPS

STANDARD DETAILS & SPECIFICATIONS
PUBLIC SIDEWALK CURB RAMPS

TO-BASE SPACING SHALL BE 0.65° MINIOUN BETWEEN DOMES.

PLAN VIEW

ALL SERVANCE CUBER PANIES SHALL HAVE DETECTABLE WARRING SUPFACES THAT EXTEND THE FULL WIGHT OF THE RAMP AND IN THE DIRECTION OF TRAVEL 24 INCHES FROM THE BROCK OF CUBER, FLOOR. STROMAND ROCK 364.

CURB RAMP DETECTABLE WARNING DETAIL

DRAWING: DATE: ILLUSTRATION 2007 134.2.25-1 T - 23B

L 5' CONCRETE SIDEWALK

5.0FE 1X - 2X MAX.

STANDARD SIDEWALK SECTION OTHER THAN AT DRIVEWAY

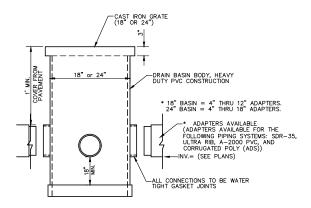
5' CONCRETE SIDEWALK __

6" CONCRETE SIDEWALK & DRIVEWAYAPRON FOR SINGLE FAMILY/DUPLEX STANDARD SIDEWALK SECTION AT DRIVEWAY

6" SLOPE 1X - 2X MAX.

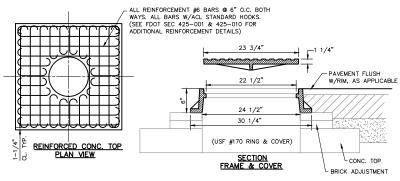
/ 1/2" EXPANSION MATERIA AT TRANSITION (TYP.)

ATE COMP: 2/13/20

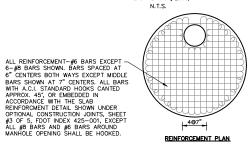


(NYLOPLAST USA INC. PHONE#404-932-2443 OR APPROVED EQUAL DRAINAGE SYSTEMS.)

18' AND 24' YARD DRAIN BASINS



JUNC. BOX FRAME & COVER (TYPE 7-T) DETAIL



BAR TOP DIA.

No. 4 3'-6", & 4'-0"

No. 5 6"-0"

No. 6 7'-0" 8" FOR 3'-6" & 4'-0" DIA 10" FOR 6'-0" & 7'-0" DIA 1/2" L_{1-1/2}" optional ke 3'-6",4'-0",6'-0" OR 7'-0" DIA. THICKNESS OF STRUCTURE WALL

TYPE 7-T (TRAFFIC) (H-20)

ALL STEEL BARS SHALL HAVE 1-1/4" MINIMUM COVER UNLESS OTHERWISE SHOWN AND SHALL BE HOOKED WHERE INDICATED.

MANHOLE TOP TYPE 7 SLABS MAY BE OF CLASS II
 CONCRETE. CONCRETE AS SPECIFIED IN ASTM C-478
 MAY BE USED FOR PRECAST UNITS.

3. MANHOLE TOP TYPE 7 SLABS MAY BE OF CAST—
IN-PLACE OR PRECAST CONSTRUCTION. THE OPTIONAL
KEY IS FOR PRECAST TOPS AND IN LIEU OF DOWNAL
FRAME AND SLAB OPENINGS ARE TO BE OMNITED WHEN
TOP IS USED OVERE AND SLAB OPENINGS ARE TO BE OMNITED WHEN
TOP IS USED OVERE AND SLAB OPENINGS ARE TO BE OMNITED WHEN
TOP IS USED OVERE AND SLAB OPENINGS ARE TO BE OMNITED WHEN

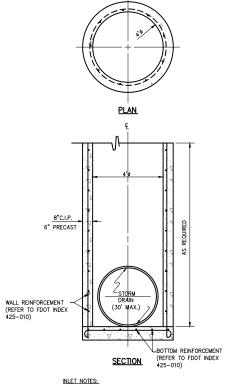
ALL PREVIOUS 1/2" DEEP FRAMES (NON-TRAFFIC TYPE)

4. MANHOLE TOPS SHALL BE SECURED TO STRUCTURES BY OPTIONAL CONSTRUCTION JOINTS AS SHOWN ON SHEET 3 OF 5, F.D.O.T. INDEX 425-001. 5. ALL COVERS TO BE TACK WELDED TO FRAMES AT THIRD POINTS OR GROUTED AT THIRD POINTS WITH EPOXY (TOTAL ELEVEN (11) OUNCES OF MIXED EPOXY).

TOP IS USED OVER A JUNCTION BOX. FRAMES CAN BE 7. FOR STRUCTURE BOTTOMS, REFER TO F.D.O.T. ADJUSTED WITH FROM ONE TO SIX COURSES OF BRICK. STANDARD 425-010.

STRUCTURE COVERS

N.T.S.

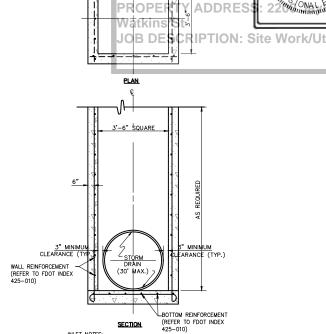


INLET NOTES:

1. REFER TO FDOT STANDARD INDEX NO. 425-010 FOR ADDITIONAL AND SUPPLEMENTARY DETAILS.

2. STRUCTURES MAY BE CAST IN PLACE OR PRECAST WITH CLASS II CONCRETE.

INLET STRUCTURE BOTTOM (FDOT) TYPE P



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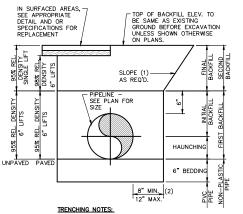
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INLET NOTES:

1. REFER TO FDOT STANDARD INDEX NO. 425-010 FOR ADDITIONAL AND SUPPLEMENTARY DETAILS.

2. STRUCTURES MAY BE CAST IN PLACE OR PRECAST WITH CLASS II CONCRETE.

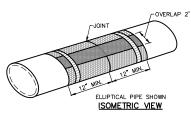
INLET STRUCTURE BOTTOM (FDOT) TYPE P

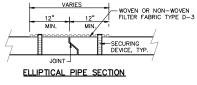


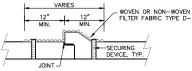
1. SLOPE OR BRACE TRENCH WALLS AS REG'D WHERE SAFE SLOPES WOULD INTERFERE WITH EXISTING UTILITIES OR IMPROVEMENTS OR EXTEND BEYOND THE EASEMENT OR R/W LINE.

2. MINIMUM CLEARANCE MAY BE REDUCED LOON REVUEW OF ALTERNATE TRENCHING METHODS.

STORM DRAIN TRENCH







ROUND PIPE SECTION CONCRETE PIPE SHOWN - COST OF FILTER FABTIC JACKET TO BE INCLUDED IN COST OF PIPE CULVERTS.

FILTER FABRIC JACKET

(SFF F.D.O.T. INDEX 430-001)

VERTICAL ELEVATIONS BASED ON: NAVD-88

oral Estates

V WATKINS STREET

LEE COUNTY, FLORIE

White Cor 2200 JAYLEN 1 FORT MYERS - LE

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DETAIL

DRAINAGE

21-102/CONS

Watkins St

No. 90931 STATE OF

JOB DESCRIPTION: Site Work/Ut

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Value

DEVELOPER
WHITE CORAL I
2135 MAYFAIR W
TITUSVILLE, FLOR

NGINEERING,
5 DEL PRADO BLVD. #
E CORAL, FLORIDA 3
#3128 (239) 573-EN(2503 1 CAPE

INV(W)=13.48 (15" SD)

INV(W)=12.98 (15" SD)

24" YARD DRAIN GRATE=17.75

YD-9 24" YARD DRAIN GRATE=17.75

INV(E)=13.17 (15" SD) INV(SW)=13.17 (15" SD)

YD-10

18" YARD DRAIN GRATE=17.75 INV(N)=15.00 (12" SD)

18" YARD DRAIN GRATE=17.75 INV(N)=14.57 (12" SD) INV(S)=14.57 (12" SD)

YD-3 24" YARD DRAIN GRATE=17.75 GUTTER FLUME INLET TYPE 'E'
GRATE=17.76 INV(N)=14.59 (12" SD)

YD-4 18" YARD DRAIN GRATE=17.75

INV(W)=7.59 (24" SD) S-7E GUTTER FLUME INLET TYPE 'E' GRATE=17.76

INV(N)=8.43 (18" RCP) INV(E)=8.30 (24" SD) INV(W)=8.30 (18" RCP)

INLET TYPE 'E' GRATE=15.25

INV(N)=12.66 (15" SD)

INV(E)=6.27 (30" SD)

INV(N)=6.40 (30" SD) INV(W)=6.40 (30" SD)

INV(NW)=7.30 (24" SD)

INV(E)=6.97 (18" RCP)

INV(S)=6.97 (30" SD)

INV(SF)=7.59 (24" SD)

JUNC. BOX "7-T" RIM=18.56

JUNC. BOX "7-T" RIM=18.47

GUTTER FLUME INLET TYPE 'C' GRATE=17.76 INV(N)=9.37 (18" RCP) GUTTER FLUME INLET TYPE 'C' GRATE=17.76 INV(E)=9.37 (18" RCP)

GUTTER FLUME INLET TYPE 'C' GRATE=17.76 INV(NE)=7.11 (18" RCP) INV(W)=7.11 (18" RCP)

GUTTER FLUME INLET TYPE 'C' GRATE=17.76 S-7H INV(E)=9.57 (18" RCP) JUNC. BOX "7-T" RIM=18.72 INV(W)=9.67 (15" SD) INV(N)=11.99 (15" SD) INV(SW)=7.50 (18" RCP)

PROPOSED INLET DATA

FLARED END SECTION INV(E)=13.50 (30" RCP)

INV(W)=14.00 (30" RCP)

INV(N)=14.00 (15" RCP) INV(E)=14.00 (30" RCP)

INV(S)=14.20 (15" RCP) WEIR=18.69

3" CIRC. ORIFICE=14.20

GRATE=17.76 INV(N)=13.10 (15" RCP)

INV(SW)=13.10 (15" RCP)

INV(NE)=13.26 (15" RCP)

INV(W)=9.21 (24" SD)

INV(F)=9.33 (24" SD)

INV(W)=9.43 (18" RCP)

INV(S)=12.40 (15" RCP)

INLET TYPE 'E' GRATE=15.25

3"Hx2"W RECT. ORIFICE=18.44

GUTTER FLUME INLET TYPE 'C'

GUTTER FLUME INLET TYPE 'C' GRATE=17.76

JUNC. BOX "7-T" RIM=19.50

INLET TYPE 'E'
GRATE=19.19

INLET TYPE 'E' GRATE=15.25 INV(N)=7.06 (18" SD)

JUNC. BOX "7-T" RIM=19.01 INV(S)=7.86 (18" SD) INV(W)=7.86 (18" RCP)

S-6B

INLET TYPE 'E'
GRATE=15.25 INV(E)=8.15 (18" RCP)

NOTES:

GUTTER FLUME INLET TYPE 'C' GRATE=17.76 INV(S)=8.56 (18" RCP)

GUTTER FLUME INLET TYPE 'C'
GRATE=17.76 INV(S)=9.50 (18" RCP)

18" YARD DRAINS

INV(E)=14.06 (15" SD) INV(S)=14.06 (12" SD)

INV(S)=15.00 (12" SD)

YD-5 18" YARD DRAIN GRATE=17.75 INV(E)=15.00 (12" SD)

YD-6 18" YARD DRAIN GRATE=17.75 INV(E)=14.44 (12" SD) INV(W)=14.44 (12" SD)

> 18" YARD DRAIN GRATE=17.75 INV(E)=13.94 (12" SD) INV(W)=13.94 (12" SD)

> INV(N)=13.55 (15" SD) INV(W)=13.55 (12" SD)

24" YARD DRAIN GRATE=18.40

YD-11 24" YARD DRAIN GRATE=18.40 INV(E)=14.49 (15" SD) INV(W)=14.49 (15" SD)

INV(E)=15.00 (15" SD)

YD-12 24" YARD DRAIN GRATE=18 40 INV(E)=13.98 (15" SD) INV(W)=13.98 (15" SD)

24" YARD DRAIN GRATE=18.40 INV(E)=13.48 (15" SD)

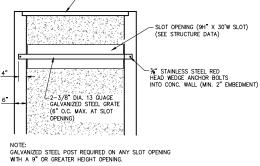
> YD-14 24" YARD DRAIN GRATE=18.40 INV(E)=12.98 (15" SD)

24" YARD DRAIN GRATE=18.40 INV(E)=12.48 (15" SD) INV(W)=12.48 (15" SD)

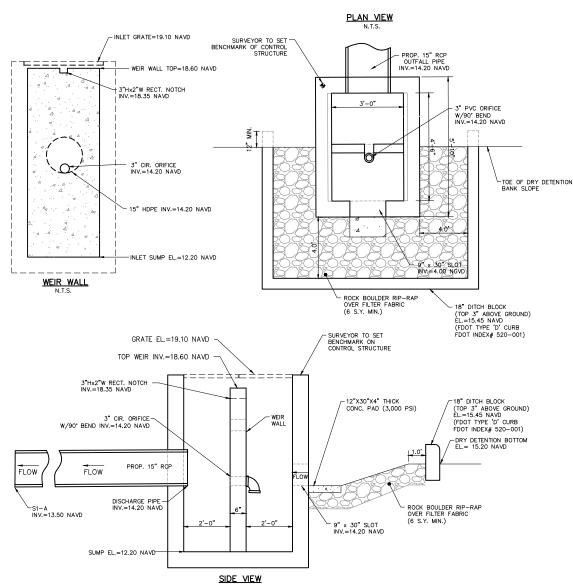
White Coral Estates
2200 Jaylen Watkins Street
FORT MYERS - LEE COUNTY, FLORIDA

2

DETAILS DRAINAGE



-TOP OF INLET (SEE STRUCTURE DATA)

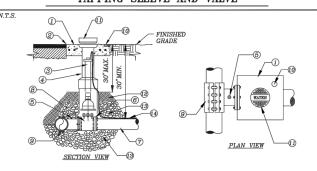


PROPOSED CONTROL STRUCTURE CS-1 (MOD. TYPE 'E' INLET)

1. ADD 2' SUMP TO ALL INLETS

2. ADD 3" DRAINAGE HOLE IN THE BOTTOM OF ALL INLETS BOXES 3. ADD 1.5' SUMP TO ALL YARD DRAINS

STANDARD DETAIL NO. 6.1 LEE COUNTY UTILITIES TAPPING SLEEVE AND VALVE



- CONCRETE PAD
 (SEE VALVE INSTALLATION DETAIL)
- ② SET TOP OF BOX FLUSH WITH FINISHED GRADE
- ③ EXTENSION STEM IF TOP OF OPERATING NUT IS MORE THAN 30" BELOW FINISH GRADE
- 4 VALVE BOX (SEE VALVE INSTALLATION DETAIL)
- (5) OUTLET FOR TESTING (6) MJ RESTRAINED
- (7) MAIN SIZE VARIES
- (8) TAPPING VALVE (SEE VALVE INSTALLATION DETAIL)
- (9) LCU APPROVED ALL STAINLESS STEEL PRESSURE RATED TAPPING SLEEVE. FOR SIZE ON SIZE TAPS A FLANGED TAPPING SLEEVE IS REQUIRED. SPRING LOADED TAPPING SLEEVE IS REQUIRED WHEN CONNECTING TO HDPE (SEE APPROVED MATERIAL LIST).
- (0) BRASS PLATE (SEE VALVE INSTALLATION DETAIL)
- (1) CAST IRON DROP COVER MARKED "WATER", "SEWER",
- ② COMPACTED SUITABLE EARTH BACKFILL
- 3 3/4" GRANULAR MATERIAL #57 STONE

STANDARD DETAIL NO. 6.5

LEE COUNTY UTILITIES

TRENCH CROSS SECTION

(6) SPRING LINE

(5) #57 STONE LOCATED UNDER PIPE
OR EXISTING UNDISTURBED
OR EXISTING UNDISTURBED
OR EXISTING UNDISTURBED
OR EXISTING UNDISTURBED

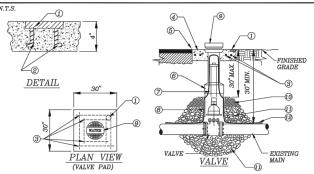
(S) STRING LINE

(F) STANDARD 8" MIN TRENCH UNDERCUT
AND BACKFILL WITH #57 STONE
COMPACTED IN 6" LIFTS
ADDITIONAL UNDERCUT AND CRUSHED ROCK
BEDDING FOUNDATION WHEN DIRECTED BY
L.C.U. THE CONTRACTOR IS TO REMOVE
UNSTABLE MATERIAL FROM THE TRENCH
FOUNDATION. THEN INSTALL STABILIZED
CRUSHED ROCK BACKFILL WITH #57 STONE
COMPACTED IN 6" LIFTS

(4) 12 GAUGE DOUBLE INSULATED COPPER LOCATING WIRE (SEE LCU STANDARD DETAIL)

REV: 12/10/2015

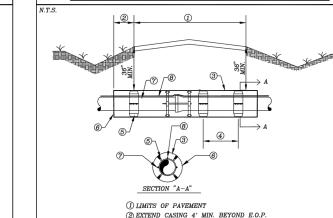
STANDARD DETAIL NO. 6.2 LEE COUNTY UTILITIES VALVE INSTALLATION



- (1) BRASS PLATE: SIZE OF VALVE, VALVE TYPE No. OF TURNS & DIRECTION TO OPEN VALVE M.F.G. & YEAR INSTALL SYSTEM "WATER" OR "SEWER" OR "REUSE" OR "FIRE
- (2) ANCHOR
- (3) EIGHT (8) #4 BARS OVERLAP EACH CORNER BY 2' ④ 30"SQ X 4" THK.CONC.PAD SURROUNDING BOX, MIN.
- 3,000 P.S.I. POURED IN PLACE (5) SET TOP OF BOX FLUSH WITH FINISHED GRADE
- (6) HEAVY DUTY TRAFFIC BEARING CAST IRON VALVE BOX, ADJUSTABLE SCREW TYPE, 5 1/4" DIAMETER SHAFT THAT IS LCU APPROVED
- ② EXTENSION STEM WITH 2" OPERATING NUT AS REQUIRED, IF NUT IS
- MORE THAN 30" BELOW FINISH GRADE
- 8 RISER NOT TO BEAR ON VALVE OR PIPE
- (9) CAST IRON DROP COVER MARKED "WATER" OR "SEWER" OR "REUSE OR "FIRE"
- O COMPACTED SUITABLE EARTH BACKFILL
- ① 3/4" GRANULAR MATERIAL #57 STONE
- ② 12 GAUGE DOUBLE INSULATED COPPER LOCATING WIRE (SEE LCU STANDARD DETAIL)

REV: 12/10/2015

STANDARD DETAIL NO. 6.6 LEE COUNTY UTILITIES JACK AND BORE

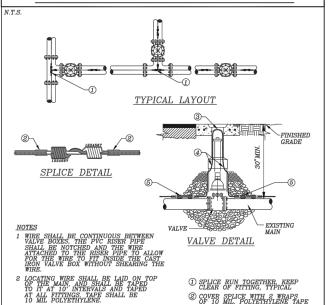


(2) EXTEND CASING 4' MIN. BEYOND E.O.P.
AND/OR BACK OF CURB FOR L.C.D.O.T.
MAINTAINED R.O.W. AND
8' MIN. FOR F.D.O.T. MAINTAINED
R.O.W.

- 4) 7'O.C. MAX OR AS PER MANUFACTURER'S RECOMMENDATION

- (8) 12 GAUGE DOUBLE INSULATED COPPER WIRE (SEE LCU STANDARD DETAIL)

STANDARD DETAIL NO. 6.3 LEE COUNTY UTILITIES LOCATING WIRE FOR PRESSURE MAINS



- ③ 6" LOOP OF BARE WIRE, 9" MAX. DEPTH TO TOP OF BARE WIRE
- 4 12 GAUGE DOUBLE INSULATED COPPER LOCATING WIRE (5) SPLICE (SEE DETAIL THIS SHEET)

REV: 12/10/2015

STANDARD DETAIL NO. 6.8 LEE COUNTY UTILITIES WATER AND SEWER CROSSING DETAIL

1 FINISHED GRADE

(4) PVC STREET ELL

REV: 12/10/2015

② PEDESTAL HOUSING (SEE APPROVED MATERIAL LIST)

3 EDGE OF RIGHT-OF-WAY

COLORS: BLUE-WATER, GREEN-SEWER, PANTONE-REUSE

STANDARD DETAIL NO. 6.4

LEE COUNTY UTILITIES

AUTOMATIC AIR RELEASE VALVE COMP: 2/1

(7) PVC SCHEDULE 80

10 2" POLY-TUBE

(B) 30" MIN

PVC REDUCER IF NEEDED

1 3/4" GRANULAR MATERIAL, #57 STONE

(2) 2" BRASS FITTING IF NECESSARY

3 1% MIN. SLOPE UP, 2" POLY-TUBE

(5) 2" DOUBLE STRAP TAPPING SADDLE (SEE APPROVED MATERIAL LIST)

9 BRASS BALL CORP. STOP

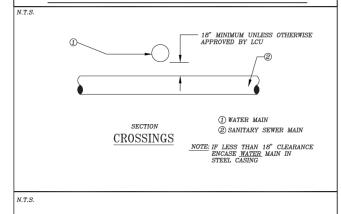
(4) TAP AT CROWN OF PIPE

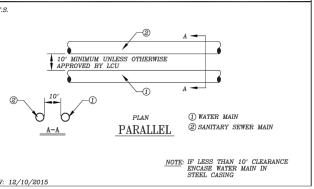
(6) EXISTING PRESSURE MAIN

WITH

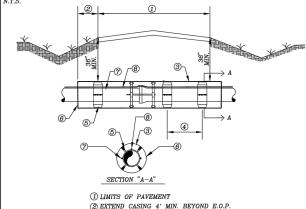
IOB DESCRIPTION: Site Work/Ut

Watkins St





STANDARD DETAIL NO. 6.7 LEE COUNTY UTILITIES HORIZONTAL DIRECTIONAL DRILL UNDER A ROADWAY



- 3 STEEL CASING PIPE CONFORMING TO
- (5) L.C.U. APPROVED CASING SPACERS
- (6) SEAL CASING ENDS WITH:

 8" WALL OF BRICK MASONRY WITH
 WEEP HOLE INSTALLED NEAR BOTTOM,
 OR APPROVED EQUAL
- (7) ALL JOINTS OF THE CARRIER PIPE SHALL HAVE BELL RESTRAINTS

REV: 12/10/2015

 STANDARD TRENCH DEPTH
 PAVED ROADWAY SURFACE) PAVED ROADWAY SURFA) EXISTING UTILITY) LENGTH OF HDD) 2' MINIMUM CLEARANCE) 30" MIN. / 48" MAX. CASING DIAMETER SHALL BE IN ACCORDANCE WITH THE LCU DESIGN MANUAL.

PROFILE VIEW

PLAN VIEW

HDD INSTALLATION NOTES:

1 EXCAVATED TRENCH

(3) MARKING TAPE 12" DEPTH MAX.

FINE LIME ROCK OR PIT SHELL MECHANICALLY COMPACTED IN

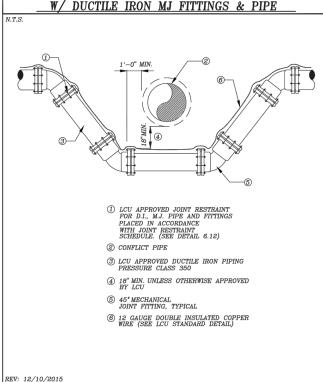
4 MATERIALS CLEAN DRY SAND,

② FINISHED GRADE

REV: 12/10/2015

UTILITY DETAILS (WATER)

VERTICAL ELEVATIONS BASED ON: NAVD-88



STANDARD DETAIL NO. 6.12 LEE COUNTY UTILITIES RESTRAINED LENGTH SCHEDULE

DUCTILE IRON PIPE

| PIPE | MINIMUM RESTRAINED PIPE LENGTH (FEET) | | | | | |
|----------|---------------------------------------|---------|-----------|--------|------|------------|
| SIZE | | HORIZON | TAL BENDS | | DEAD | HORIZONTAL |
| (Inches) | 90° | 45° | 22-1/2* | 11-1/4 | END | TEE |
| 4 | 17 | 7 | 4 | 2 | 29 | 6 |
| 6 | 23 | 10 | 5 | 2 | 40 | 17 |
| 8 | 29 | 12 | 6 | 3 | 53 | 29 |
| 10 | 35 | 14 | 7 | 4 | 63 | 38 |
| 12 | 41 | 17 | 8 | 4 | 74 | 49 |
| 16 | 51 | 21 | 11 | 5 | 94 | 68 |
| 24 | 69 | 29 | 14 | 7 | 131 | 105 |
| 30 | 81 | 34 | 17 | 8 | 156 | 129 |

PVC PIPE

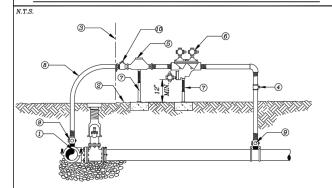
| PIPE | MINIMUM RESTRAINED PIPE LENGTH (FEET) | | | | | |
|----------|---------------------------------------|----------|-----------|--------|------|------------|
| SIZE | | HORIZON' | TAL BENDS | | DEAD | HORIZONTAL |
| (Inches) | 90° | 45* | 22-1/2* | 11-1/4 | END | TEE |
| 4 | 20 | 8 | 4 | 2 | 45 | 8 |
| 6 | 29 | 12 | 6 | 3 | 63 | 25 |
| 8 | 36 | 15 | 8 | 4 | 83 | 43 |
| 10 | 44 | 18 | 9 | 5 | 99 | 58 |
| 12 | 51 | 21 | 11 | 5 | 116 | 74 |
| 16 | 63 | 26 | 13 | 7 | 149 | 103 |
| 24 | 87 | 36 | 18 | 9 | 208 | 158 |
| 30 | 102 | 42 | 21 | 10 | 248 | 194 |

A COMPLETE JOINT RESTRAINING SCHEDULE FOR A COMPLETE JOINT RESTRAINING SCHEDULE FOR ALL ENCOUNTERED VERTICAL & HORIZONTAL BENDS, VERTICAL OFFSETS, TEES, AND DEAD ENDS SHALL BE THE RESPONSIBILITY OF THE DESIGN ENGINEER.

LENGTH FIGURES BASED ON FOLLOWING:

Pressure = 150 psi, FS = 1.5, trench type = 3, 30" cover on Bare pipe, Soil type = GP & SP

STANDARD DETAIL NO. 6.15 LEE COUNTY UTILITIES TEMPORARY CONSTRUCTION JUMPER WITH METER



REV: 12/10/2015

CONTRACTOR/CUSTOMER SHALL APPLY AT LEE COUNTY UTILITIES FOR TEMPORARY WATER SERVICE FIVE DAYS PRIOR TO REQUIRED SERVICE DATE.

THE METER ONLY WILL BE FURNISHED BY LEE COUNTY UTILITIES. ALL FITTINGS. PIPING, VALVES AND MATERIALS SHALL BE FURNISHED AND INSTALLED BY THE SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR/CUSTOMER. THE APPROVED BACKFLOW PREVENTION DEVICE SHALL BE TESTED AND CERTIFIED BY LEE COUNTY UTILITIES APPROVED CERTIFIED BACKFLOW PREVENTION TECHNICIAN (FURNISHED BY CONTRACTOR/CUSTOMER) AT TIME OF METER CONTRACTOR/CUSTOMER) AT TIME OF METER INSTALLATION. CONTRACTOR/CUSTOMER SHALL PROTECT THE ASSEMBLY FROM DAMAGE. TEMPORARY CONSTRUCTION JUMPER/METER ASSEMBLY SHALL NOT BE REMOVED UNTL SYSTEM IS ACCEPTED AND DEPARTMENT OF HEALTH CERTIFICATION AND CLEARANCE FOR SERVICE FORM HAS BEEN RECEIVED BY LEE COUNTY UILITIES. WHEN THE NEW SYSTEM IS ACCEPTED, THE TEMPORARY CONSTRUCTION JUMPER METER ASSEMBLY MUST BE COMPLETELY REMOVED DOWN TO CORP STOPS.

(1) TAPPING SLEEVE AND VALVE TO BE FULLY RESTRAINED ON EXISTING MAIN (SEE LCU STANDARD DETAIL)

- ② GRADE
- 4 BRONZE BALL VALVE METER FURNISHED BY LEE COUNTY UTILITIES
- 6 REDUCED PRESSURE BACKFLOW PREVENTER
- (7) PIPE STAND (SEE LCU STANDARD DETAIL)
- ® 2" DIA. HDPE DR9
- 9 2" DIA. CORPORATION STOP

REV: 12/10/2015

(0) 2" DIA. CURB STOP

STANDARD DETAIL NO. 6.16 LEE COUNTY UTILITIES WITH WATER SERVICE INSTALLATION 5/80 ATHROUGH P. 2/1 QUAZITE BO01118501 METER BOX CRTY ADDI WITH QUAZITE CO0111802P050 COVER OR CDR B001118501 METER BOX WITH CDR C00111802P050X COVER @7 IOB DESCRIETION: Site Work/Ut SECTION 1 FINISHED GRADE ② METER BOX WITH COVER TO BE LOCATED INSIDE R.O.W. @ PROPERTY LINE & CLEAR OF DRIVEWAYS. PLAN VIEW (3) POLYETHYLENE TUBING. PE 3408, 200PSI. SDR9. BLUE (SEE APPROVED MATERIAL LIST (4) STRAIGHT CURB STOP WITH PADLOCK WINGS CONNECTED TO LEE COUNTY WATER METER (SEE APPROVED MATERIAL LIST) (5) 3/4" POLYETHYLENE TUBING, PE 3408, 200 PSI, SDR 9, BLUE (SEE APPROVED MATERIAL LIST) WITH LOCATING WIRE (6) 1" POLYETHYLENE TUBING, PE 3408. SDR 9, BLUE (SEE APPROVED MATERIAL LIST) WITH LOCATING WIRE MIN. 22 1/2* NOT TO EXCEED 45* SECTION (8) BALL CORPORATION STOP (SEE APPROVED MATERIAL LIST) BRASS "Y" OR "T" CONNECT 1. TUBING UNDER ROADWAY SHALL BE ENCASED IN 4" P.V.C. PIPE SCHEDULE 40 MINIMUM AND EXTEND 4 FEET BEYOND THE EDGES OF PAVEMENT OR BACK OF

10 DOUBLE STRAP SERVICE SADDLE

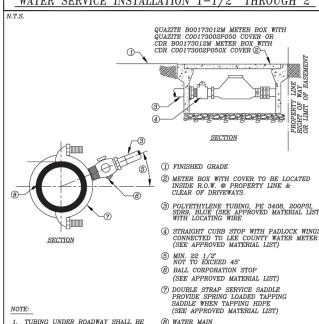
① WATER MAIN

PROVIDE SPRING LOADED TAPPING SADDLE WHEN TAPPING HDPE

(SEE APPROVED MATERIAL LIST)

STANDARD DETAIL NO. 6.17 LEE COUNTY UTILITIES

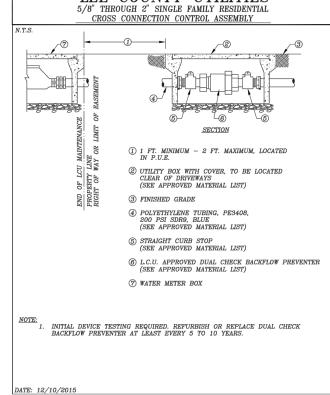
WATER SERVICE INSTALLATION 1-1/2" THROUGH 2"



ENCASED IN 4" P.V.C. PIPE SCHEDULE 40 MINIMUM AND EXTEND 4 FEET BEYOND THE EDGES OF PAVEMENT OR BACK OF

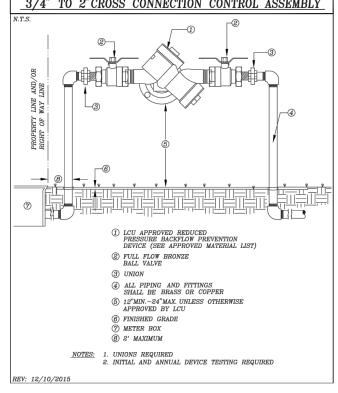
REV: 12/10/2015

STANDARD DETAIL NO. 6.18 LEE COUNTY UTILITIES



STANDARD DETAIL NO. 6.19 LEE COUNTY UTILITIES

3/4" TO 2"CROSS CONNECTION CONTROL ASSEMBLY

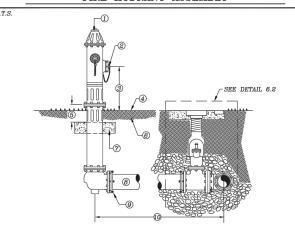


No. 90931

White Coral Estates 2200 JAYLEN WATKINS STREET ORT MYERS - LEE COUNTY, FLORID

UTILITY DETAILS (WATER)

STANDARD DETAIL NO. 6.24 LEE COUNTY UTILITIES FIRE HYDRANT ASSEMBLY



- ① FIRE HYDRANT: STANDARD A.W.W.A. SAFETY YELLOW (SEE APPROVED MATERIAL LIST)
- FINISHED GRADE
- (5) 6" MIN. CLEARANCE
- 7 30" X 30" X 4" CONCRETE BREAK AWAY CONCRETE PAD, 3000 P.S.I.

(1) WAILE MAIN (1) VARIABLE DISTANCE, IF GREATER THAN 100' A VALVE SHALL BE INSTALLED AT HYDRANT BASE

REV: 12/10/2015

| FORT MYERS FIRE DEPARTMENT HYDRANT FLOW TEST DATA SHEET | | | | |
|------------------------------------------------------------|------------------------|--|--|--|
| REQUESTED BY | NOELLE VILIM | | | |
| FIRM REQUESTING CONTACT NUMBER | AVALON ENGINEERING | | | |
| PROJECT NAME | WHITE CORAL ESTATES | | | |
| PROJECT ADDRESS | DUPREE STREET | | | |
| REASON FOR FLOW TEST | HYDRAULIC CALCULATIONS | | | |

| ADDRESS : FLOW HYDRANT # | #402411, 2309 DUPREE ST | | | |
|---------------------------------------|------------------------------|--|--|--|
| ADDRESS : S&R HYDRANT # | #401396, 2370 TOWLES/EDISON | | | |
| DURATION OF FLOW | 5 MINUTES | | | |
| MAIN SIZE | 6" COUNTY FLOW/ 12" CITY S&R | | | |
| DATE AND TIME OF TEST | 4/30/2021 15:00 | | | |
| COEFFICIENT | 0.90 | | | |
| BUTT DIAMETER | 2.50 | | | |
| BUTTS FLOWED | 2 | | | |
| | | | | |
| STATIC# | 64 | | | |
| S&R : RESIDUAL 1 | 30 | | | |
| S&R : RESIDUAL 2 | 15 | | | |
| FLOW: PITOT 1 CAP | 25 | | | |
| FLOW: PITOT 2 CAPS | 20 | | | |
| FLOW: PITOT 2 for calcs only | 20 | | | |
| FLOW: PITOT 3 third hydrant if needed | | | | |
| FLOW: PITOT 3 third hydrant if needed | | | | |
| FLOW: PITOT 3 for calcs only | | | | |
| | | | | |
| FLOW AT PITOT READING | 1501 | | | |
| | | | | |

| FLOW AT PITOT READING | 1501 |
|-----------------------|------|
| FLOW AT 20 PSI | 1416 |
| | |

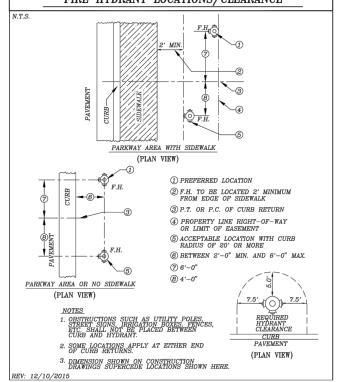
| REQUEST RECEIVED BY | KAREN SNYDER |
|---------------------|-------------------|
| DATE RECEIVED | 4/30/2021 |
| TEST PERFORMED BY | B SHIFT STATION 1 |
| COMMENTS | |

If a third hydrant is opened provide data in fields identified with PITOT 3. Include location on map provide

HYDRANT FLOW TESTS ARE ONLY VALID FOR 6 MONTHS FROM THE DATE OF TEST

Questions can be directed to the Fire Prevention Bureau at 239-321-7350.

STANDARD DETAIL NO. 6.25 LEE COUNTY UTILITIES FIRE HYDRANT LOCATIONS/CLEARANCE



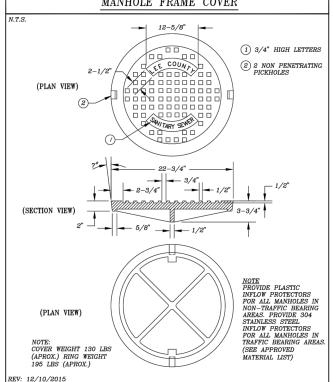


PROPERTY ADDRES

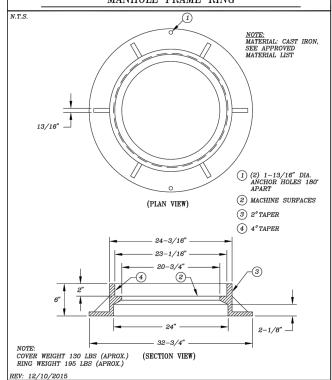
JOB DESCRIPTION: Site Work/Ut



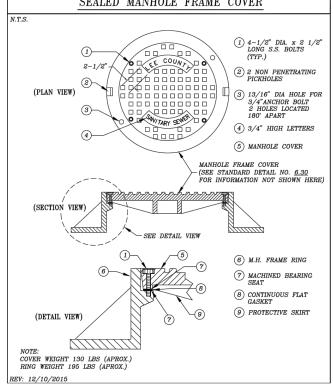
STANDARD DETAIL NO. 6.30 LEE COUNTY UTILITIES MANHOLE FRAME COVER



STANDARD DETAIL NO. 6.31 LEE COUNTY UTILITIES MANHOLE FRAME RING



STANDARD DETAIL NO. 6.32 LEE COUNTY UTILITIES SEALED MANHOLE FRAME COVER



STANDARD DETAIL NO. 6.33 LEE COUNTY UTILITIES

TOP PLAN VIEW

SECTION VIEW

REV: 12/10/2015

WITH No. 90931 PRECAST MANHOLE-CONCENTRIC (3) 4 MIN. PRECASTRIPTION: Site Work/Ut

> 4 JOINTS SHALL BE SEALED ON INTERIOR & EXTERIOR WITH A FLEXIBLE PREFORMED BITUMASTIC JOINT MATERIAL, (SEE AS APRROVED MATERIAL LIST).

12" UNLESS OTHERWISE APPROVED BY LCU.

(5) REINFORCED PRECAST CONCRETE CLASS "A" TYPE II 4,000 PSI 6 INTERIOR COATING/LINER

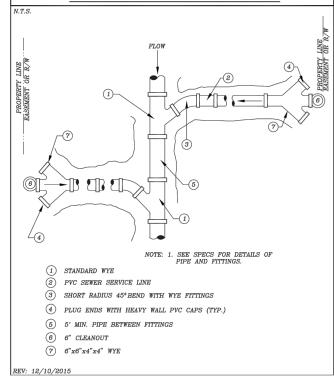
7 BUILD BENCH TO SPRING LINE OR ABOVE

8 #5 BARS @ 12" O.C. E.W. TYPICAL

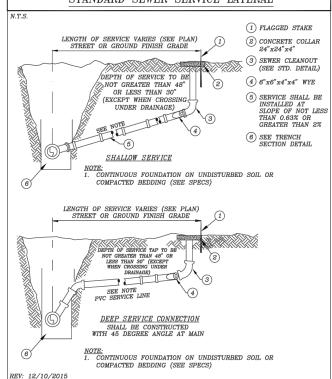
12" IF GREATER THAN 13' DEEP

8" IF 13' OR LESS DEEP

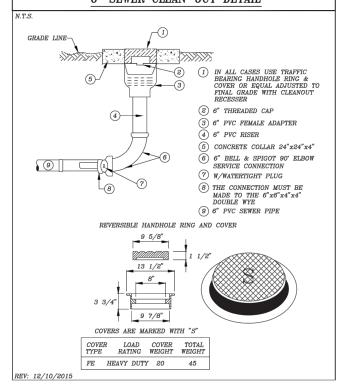
STANDARD DETAIL NO. 6.38 LEE COUNTY UTILITIES STANDARD SEWER SERVICE LATERALS



STANDARD DETAIL NO. 6.39 LEE COUNTY UTILITIES STANDARD SEWER SERVICE LATERAL



STANDARD DETAIL NO. 6.40 LEE COUNTY UTILITIES 6" SEWER CLEAN-OUT DETAIL





UTILITY DETAILS (SANITARY)