CONSTRUCTION PLANS FOR:

FIFTH THIRD

FIFTH THIRD BANK - COCONUT CREEK

4805 COCONUT CREEK PARKWAY
COCONUT CREEK, FLORIDA 33063

PROJECT TEAM

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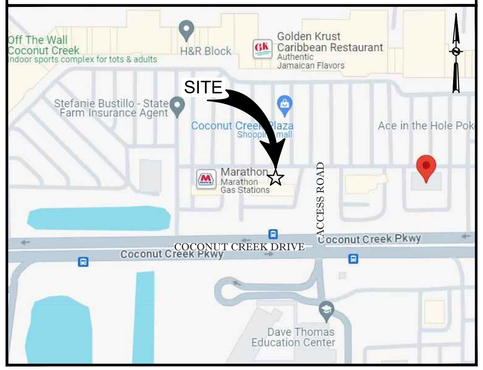
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VICINITY MAP



AERIAL MAP



PARCEL ID: 484230130015
BROWARD COUNTY, FLORIDA

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811
Know what's **below.**
Call before you dig.

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IEG JOB NO. 15-328.00

NISIT SAPPARKHAO, P.E.
FL REG. NO. 64085

DATE
THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY NISIT SAPPARKHAO ON THE DATE ADJACENT TO THE SEAL.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES

SHEET
C00.00

GENERAL NOTE

1. ALL CONSTRUCTION SHALL BE EXECUTED AS SHOWN ON THESE PLANS. ANY REVISIONS AND/OR DEVIATIONS MUST BE APPROVED BY THE ENGINEER OF RECORD AND MAY RESULT IN ADDITIONAL PERMITTING EFFORTS THROUGH THE RELATED PERMITTING AGENCY. THE CONTRACTOR SHALL ACKNOWLEDGE THAT REVISIONS AND/OR DEVIATIONS MAY RESULT IN ADDITIONAL PERMITTING REQUIREMENTS AND POSSIBLY AFFECT SCHEDULING OF WORK.

2. UNLESS OTHERWISE NOTED ON PLANS, OR WITHIN THE PROJECT SPECIFICATIONS, ALL MATERIALS AND CONSTRUCTION ARE TO BE IN ACCORDANCE WITH DESIGN AND CONSTRUCTION STANDARDS OF THE PERMITTING AGENCY HAVING JURISDICTION. THE LOCALLY ADOPTED BUILDING CODE; AND ALL APPLICABLE LOCAL AND STATE CODES AND ORDINANCES.

3. PERMITS MAY BE REQUIRED FOR ANY WORK IN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR IS TO ACKNOWLEDGE AND SECURE ALL PERMITS AND INSPECTIONS REQUIRED FOR WORK IN THE PUBLIC RIGHT-OF-WAY.

4. THIS PARCEL OF LAND MAY BE SUBJECT TO ANY AND ALL RECORDED (AND POSSIBLY UNRECORDED) EASEMENTS, RESTRICTIONS, AND COVENANTS.

5. PRIOR TO COMMENCEMENT OF WORK, THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES FOR VERIFICATION OF UTILITIES WITHIN THE LIMITS OF CONSTRUCTION. CALL AREA ONE CALL SYSTEM 48 HOURS PRIOR TO ANY EXCAVATION.

6. THE CONTRACTOR IS TO VERIFY ALL DIMENSIONS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER IN A TIMELY MANNER.

7. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROTECT EXISTING PERMANENT SURVEY MONUMENTS AND BENCHMARKS FROM DISTURBANCE. SURVEY MONUMENTS DISTURBED BY CONSTRUCTION ARE TO BE REPLACED AND ADJUSTED VIA A LAND SURVEYOR REGISTERED IN THE STATE FOR WHICH THE PROJECT IS LOCATED.

8. THE CONTRACTOR SHALL COORDINATE WORK EFFORTS WITH THE OWNER TO MINIMIZE TRAFFIC INTERFERENCE AND OPERATIONS OF THE FACILITIES.

9. NO BLASTING OR BURNING IS ALLOWED ON THE PROJECT, UNLESS OTHERWISE DIRECTED OR NOTED BY THE ENGINEER.

10. IT IS NOT EXPECTED THAT HAZARDOUS MATERIALS WILL BE ENCOUNTERED. HOWEVER IF MATERIALS SUSPECTED OF CONTAINING HAZARDOUS MATERIALS ARE ENCOUNTERED, DO NOT DISTURB; IMMEDIATELY NOTIFY ENGINEER AND OWNER. HAZARDOUS MATERIALS WILL BE REMOVED BY OWNER UNDER A SEPARATE CONTRACT.

REGULATORY STANDARDS AND REQUIREMENTS

1. COMPLY WITH HAULING AND DISPOSAL REGULATIONS OF AUTHORITIES HAVING JURISDICTION.

2. COMPLY WITH ANSI A10.6, "SAFETY REQUIREMENTS FOR CONSTRUCTION AND DEMOLITION."

3. COMPLY WITH NFPA 241, "SAFEGUARDING CONSTRUCTION, ALTERATION AND DEMOLITION OPERATIONS."

DEMOLITION AND CLEARING

1. DEMOLITION AND CLEARING OPERATIONS SHALL CONFORM TO APPLICABLE REGULATIONS RELATING TO ENVIRONMENTAL REQUIREMENTS DISPOSAL OF DEBRIS, BURNING OF DEBRIS ON SITE, AND USE OF HERBICIDES.

2. DEMOLITION WASTE SHALL BE DISPOSED OF IN A LEGAL MANNER. REMOVED DEMOLITION WASTE MATERIALS FROM PROJECT SITE AND DISPOSE OF WASTE IN AN EPA-APPROVED LANDFILL ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION. DO NOT BURY OR BURN DEMOLITION WASTE ON-SITE.

3. HISTORIC ITEMS, RELICS, ANTIQUES, AND SIMILAR OBJECTS, INCLUDING, BUT NOT LIMITED TO CORNERSTONES AND THEIR CONTENTS, COMMEMORATIVE PLAQUES AND TABLETS, AND OTHER ITEMS OF INTEREST OF VALUE TO OWNER THAT MAY BE UNCOVERED DURING DEMOLITION REMAIN THE PROPERTY OF THE OWNER.

4. ARRANGE DEMOLITION SCHEDULE SO AS NOT TO INTERFERE WITH OWNER'S ON-SITE OPERATIONS OR OPERATIONS OF ADJACENT OCCUPIED BUILDINGS.

5. CONDUCT BUILDING DEMOLITION AND DEBRIS REMOVAL OPERATIONS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKWAYS, AND OTHER ADJACENT OCCUPIED AND USED FACILITIES. DO NOT CLOSE OR OBSTRUCT STREETS, WALKS, WALKWAYS, OR OTHER ADJACENT OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM OWNER AND AUTHORITIES HAVING JURISDICTION.

6. AUTHORITY FOR PERFORMING SITE CLEARING INDICATED ON PROPERTY ADJOINING OWNER'S PROPERTY MUST BE OBTAINED BY OWNER PRIOR TO COMMENCEMENT OF CLEARING. DO NOT PROCEED WITH WORK ON ADJOINING PROPERTY UNTIL DIRECTED BY ENGINEER.

7. PRIOR TO COMMENCEMENT OF DEMOLITION OPERATIONS:
   a. VERIFY THAT HAZARDOUS MATERIALS, IF PRESENT, HAVE BEEN REMEDIATED.
   b. REVIEW PROJECT RECORD DRAWINGS OF EXISTING BUILDING AND EXISTING SITE IMPROVEMENTS.
   c. INVENTORY AND RECORD THE CONDITION OF ITEMS TO BE REMOVED AND SALVAGED. TAKE DIGITAL PHOTOGRAPHS OR VIDEO OF PROJECT SITE AND SURROUNDING PROPERTIES, INCLUDING EXISTING ITEMS TO REMAIN DURING CONSTRUCTION OPERATIONS, RECORD CONDITIONS THAT MIGHT BE MISCONSTRUED AS DAMAGE CAUSED BY SALVAGE OPERATIONS.
   d. CLEAN, PACK, IDENTIFY, AND TRANSPORT SALVAGED ITEMS TO STORAGE AREA DESIGNATED BY OWNER.
   e. REMOVE REFRIGERANT FROM THE MECHANICAL EQUIPMENT ACCORDING TO 40 CFR 82 AND REGULATIONS OF AUTHORITIES HAVING JURISDICTION.
   f. COORDINATE ANY ADDITIONAL REQUIREMENTS FOR DEMOLISHING OR RELOCATING SITE MECHANICAL AND ELECTRICAL ITEMS WITH OWNER AND OTHER AUTHORITIES HAVING JURISDICTION.
   g. ASSURE THAT ANY REQUIRED INITIAL EROSION AND SEDIMENT CONTROL MEASURES ARE INSTALLED AND IN WORKING ORDER.
   h. LOCATE, IDENTIFY, DISCONNECT, AND SEAL OR CAP-OFF EXISTING UTILITIES SERVING BUILDINGS AND STRUCTURES TO BE DEMOLISHED. CUT AND REMOVE PIPE OR CONDUIT A MINIMUM OF 24 INCHES BELOW GRADE. CAP, VALVE, PLUG AND SEAL REMAINING PORTION OF PIPE OR CONDUIT.
   i. DO NOT START DEMOLITION WORK UNTIL UTILITY DISCONNECTION AND SEALING HAVE BEEN COMPLETED AND VERIFIED IN WRITING.

8. PRIOR TO COMMENCEMENT OF SITE CLEARING OPERATIONS, VERIFY THE FOLLOWING:
   a. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES ARE IN PLACE AND IN WORKING ORDER.
   b. UTILITY LOCATOR SERVICE HAS DETERMINED AND FLAGGED THE LOCATION OF UNDERGROUND UTILITIES.
   c. EXISTING SITE IMPROVEMENTS AND UTILITIES TO REMAIN HAVE BEEN PROTECTED.
   d. BENCHMARKS AND SURVEY CONTROL POINTS HAVE BEEN PROTECTED FROM DISTURBANCE.
   e. TREES AND VEGETATION TO REMAIN (OR TO BE RELOCATED) HAVE BEEN LOCATED AND CLEARLY FLAGGED IN ACCORDANCE WITH TREE PROTECTION AND TRIMMING REQUIREMENTS.

9. COORDINATE UTILITY DEMOLITION AND ABANDONMENT WITH UTILITY COMPANY OR AUTHORITY HAVING JURISDICTION.

10. IN THE EVENT BUILDINGS IMMEDIATELY ADJACENT TO THE DEMOLITION AREA WILL BE OCCUPIED, CONDUCT SITE DEMOLITION SO OPERATIONS OF OCCUPIED BUILDINGS WILL NOT BE DISRUPTED. MAINTAIN ACCESS TO AND FROM EXISTING WALKWAYS, EXITS, AND OTHER FACILITIES USED BY OCCUPANTS OF ADJACENT BUILDINGS.

11. PROTECT EXISTING FACILITIES AND ADJACENT WALKWAYS, LOADING DOCKS, BUILDING ENTRIES, AND OTHER BUILDING FACILITIES DURING DEMOLITION OPERATIONS. MAINTAIN EXITS FROM EXISTING BUILDINGS.

12. ERECT TEMPORARY PROTECTION, SUCH AS WALKS, FENCES, RAILINGS, CANOPIES, AND COVERED PASSAGEWAYS, AS NECESSARY, AND AS REQUIRED BY AUTHORITIES HAVING JURISDICTION. REMOVE TEMPORARY BARRIERS AND PROTECTIONS WHERE HAZARDS NO LONGER EXIST. WHERE OPEN EXCAVATIONS OR OTHER HAZARDOUS CONDITIONS REMAIN, LEAVE TEMPORARY BARRIERS AND PROTECTIONS IN PLACE.

13. PROTECT EXISTING UTILITIES FROM DAMAGE DURING DEMOLITION OPERATIONS. MAINTAIN OPERATION OF UTILITY SERVICES TO REMAIN. PROVIDE AT LEAST 72 HOURS' NOTICE TO OCCUPANTS OF AFFECTED BUILDINGS IF SHUTDOWN OF SERVICE IS REQUIRED.

14. IF REMOVAL, RELOCATION, OR ABANDONMENT OF UTILITY SERVICES WILL AFFECT ADJACENT OCCUPIED BUILDINGS, MAINTAIN CONTINUITY OF SERVICE TO ADJACENT BUILDINGS BY PROVIDING TEMPORARY UTILITIES THAT BYPASS BUILDINGS AND STRUCTURES TO BE DEMOLISHED. TEMPORARY BYPASS SERVICES SHALL BE PROVIDED IN ACCORDANCE WITH UTILITY COMPANY OR AUTHORITIES HAVING JURISDICTION.

15. TEMPORARY SHORING: PROVIDE AND MAINTAIN INTERIOR AND EXTERIOR SHORING, BRACING, OR STRUCTURAL SUPPORT TO PRESERVE STABILITY AND PREVENT UNEXPECTED MOVEMENT OR COLLAPSE OF EXISTING IMPROVEMENTS BEING DEMOLISHED. ALL SHORING OPERATIONS SHALL BE DESIGNED BY A LICENSED PROFESSIONAL AND INSTALLED PER OSHA REQUIREMENTS.

16. DEMOLITION OF STRUCTURAL FRAMING MEMBERS SHALL PROCEED SYSTEMATICALLY, FROM HIGHER TO LOWER LEVEL. COMPLETE BUILDING DEMOLITION OPERATIONS ABOVE EACH FLOOR OR TIER BEFORE DISTURBING SUPPORTING MEMBERS ON THE NEXT LOWER LEVEL. REMOVE DEBRIS FROM ELEVATED PORTIONS OF THE BUILDING BY CHUTE, HOIST, OR OTHER DEVICE THAT WILL CONVEY DEBRIS TO GRADE LEVEL IN A CONTROLLED DESCENT.

17. CLEAN ADJACENT STRUCTURES AND IMPROVEMENTS OF DUST, DIRT, AND DEBRIS CAUSED BY BUILDING DEMOLITION OPERATIONS. RETURN ADJACENT AREAS TO CONDITION EXISTING BEFORE BUILDING DEMOLITION OPERATIONS BEGAN.

18. CLEARING AND GRUBBING:
   a. REMOVE OBSTRUCTIONS, TREES, SHRUBS, GRASS, AND OTHER VEGETATION TO PERMIT INSTALLATION OF NEW CONSTRUCTION. DO NOT REMOVE TREES, SHRUBS, AND OTHER VEGETATION INDICATED TO REMAIN OR TO BE RELOCATED.
   b. CUT MINOR ROOTS AND BRANCHES OF TREES INDICATED TO REMAIN IN A CLEAN AND CAREFUL MANNER AND ONLY WHERE SUCH ROOTS AND BRANCHES OBSTRUCT INSTALLATION OF NEW CONSTRUCTION.
   c. CLEAR UNDERGROWTH AND DEADWOOD WITHOUT DISTURBING SUBSOIL.
   d. GRIND STUMPS AND REMOVE ROOTS, OBSTRUCTIONS, AND DEBRIS EXTENDING TO A DEPTH BELOW EXPOSED SUBGRADE AS FOLLOWS:
      - FOOTINGS, SLABS ON GRADE AND BOTTOM SLABS OF STRUCTURES: 36 INCHES.
      - ROADS AND PAVEMENT AREAS: 18 INCHES.
      - AREAS TO BE GRASSED OR LANDSCAPED: 8 INCHES.
      - AREAS TO BE FILLED: 12 INCHES.
   e. USE ONLY HAND METHODS FOR GRUBBING WITHIN TREE PROTECTION ZONES.
   f. CHIP REMOVED TREE BRANCHES AND DISPOSE OF OFF-SITE.
   g. UNLESS FURTHER EXCAVATION OF EARTHWORK IS INDICATED, FILL DEPRESSIONS CAUSED BY CLEARING AND GRUBBING OPERATIONS WITH SATISFACTORY SOIL MATERIAL. PLACE FILL MATERIAL IN HORIZONTAL LAYERS NOT EXCEEDING A LOOSE DEPTH OF 8 INCHES, AND COMPACT EACH LAYER TO A DENSITY EQUAL TO ADJACENT ORIGINAL GROUND.

19. TOPSOIL STRIPPING:
   a. REMOVE SOD AND GRASS BEFORE STRIPPING TOPSOIL.
   b. STRIP TOPSOIL TO WHATEVER DEPTHS ARE ENCOUNTERED IN A MANNER TO PREVENT INTERMINGLING WITH UNDERLYING SUBSOIL OR OTHER WASTE MATERIALS. REMOVE SUBSOIL AND NON-SOIL MATERIALS FROM TOPSOIL, INCLUDING TRASH, DEBRIS, WEEDS, ROOTS, AND OTHER WASTE MATERIALS.
   c. STOCKPILE TOPSOIL MATERIALS AWAY FROM EDGE OF EXCAVATIONS WITHOUT INTERMIXING WITH SUBSOIL. GRADE AND SHAPE STOCKPILES TO DRAIN SURFACE WATER. COVER TO PREVENT WINDBLOWN DUST. LIMIT HEIGHT OF TOPSOIL STOCKPILES TO 72 INCHES. DO NOT STOCKPILE TOPSOIL WITHIN TREE PROTECTION ZONES. STOCKPILE SURPLUS TOPSOIL TO ALLOW FOR RESPREADING DEEPER TOPSOIL.

20. SITE IMPROVEMENTS:
   a. REMOVE EXISTING ABOVE- AND BELOW-GRADE IMPROVEMENTS AS INDICATED AND AS NECESSARY TO FACILITATE NEW CONSTRUCTION. REMOVE SLABS, PAVING, CURBS, GUTTERS, AND AGGREGATE BASE AS INDICATED.
   b. UNLESS EXISTING FULL-DEPTH JOINTS COINCIDE WITH LINE OF DEMOLITION, NEATLY SAW-CUT LENGTH OF EXISTING PAVEMENT TO REMAIN BEFORE REMOVING EXISTING PAVEMENT. SAWCUT ALL FACES VERTICALLY.
   c. PAINT CUT ENDS OF STEEL REINFORCEMENT IN CONCRETE TO REMAIN TO PREVENT CORROSION.

21. DISPOSAL:
   a. REMOVE SURPLUS SOIL MATERIAL, UNSUITABLE TOPSOIL, OBSTRUCTIONS, DEMOLISHED MATERIALS, AND WASTE MATERIALS, INCLUDING TRASH AND DEBRIS, AND LEGALLY DISPOSE OF THEM OFF OWNER'S PROPERTY.
   b. REMOVE AND TRANSPORT DEBRIS AND RUBBISH IN A MANNER THAT WILL PREVENT SPILLAGE ON STREETS OR ADJACENT AREAS. CLEAN UP SPILLAGE FROM STREETS AND ADJACENT AREAS.
   c. COMPLY WITH FEDERAL, STATE AND LOCAL HAULING AND DISPOSAL REGULATIONS.
   d. SEPARATE RECYCLABLE MATERIALS PRODUCED DURING SITE CLEARING FROM OTHER NON-RECYCLABLE STORE OR STOCKPILE WITHOUT INTERMIXING WITH OTHER MATERIALS AND TRANSPORT THEM TO RECYCLING FACILITIES.

TREE PROTECTION AND TRIMMING

1. INSTALL TEMPORARY FENCING AROUND TREE PROTECTION ZONES TO PROTECT TREES AND VEGETATION DESIGNATED TO REMAIN FROM CONSTRUCTION DAMAGE. MAINTAIN TEMPORARY FENCING AROUND TREE PROTECTION ZONES. AND REMOVE WHEN CONSTRUCTION IS COMPLETE.

2. KEEP TREE PROTECTION ZONES FREE OF WEEDS AND TRASH.

3. DO NOT STORE CONSTRUCTION MATERIALS, DEBRIS, OR EXCAVATED MATERIAL INSIDE TREE PROTECTION ZONE; OR PERMIT VEHICLES OR FOOT TRAFFIC WITHIN TREE PROTECTION ZONE, OR ALLOW FIRES WITHIN TREE PROTECTION ZONE.

4. PROTECT TREE ROOT SYSTEMS FROM THE FOLLOWING:
   a. DAMAGE CAUSED BY RUNOFF OR SPILLAGE OF NOXIOUS MATERIALS WHILE MIXING, PLACING, OR STORING CONSTRUCTION MATERIALS;
   b. DAMAGE CAUSED BY PONDING, ERODING, OR EXCESSIVE WETTING FROM DEWATERING OPERATIONS.

5. UNLESS OTHERWISE INDICATED, DO NOT EXCAVATE WITHIN TREE PROTECTION ZONES. WHERE EXCAVATION FOR NEW CONSTRUCTION IS UNAVOIDABLE, HAND CLEAR AND EXCAVATE TO MINIMIZE DAMAGE TO ROOT SYSTEMS.

6. WHERE UTILITY TRENCHES ARE UNAVOIDABLE WITHIN TREE PROTECTION ZONES, TUNNEL UNDER OR AROUND ROOTS BY DRILLING, AUGER BORING, PIPE JACKING, OR DIGGING BY HAND. DO NOT CUT MAIN LATERAL ROOTS OR TAPROOTS.

7. PROMPTLY REPAIR TREES DAMAGED BY CONSTRUCTION OPERATIONS WITHIN 24 HOURS. TREAT DAMAGED TRUNKS, LIMBS, AND ROOTS ACCORDING TO ARBORIST'S WRITTEN INSTRUCTIONS.

8. TREE PRUNING: PRUNE TREES ACCORDING TO ANSI A300 (PART 1), "TREE, SHRUB, AND OTHER WOODY PLANT MAINTENANCE - STANDARD PRACTICES (PRUNING)."

EROSION AND SEDIMENTATION CONTROL

1. PRIOR TO COMMENCEMENT OF ANY CLEARING AND EXCAVATION WITHIN A WORK AREA, ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED AND IN WORKING ORDER.

2. PERFORM WORK IN ACCORDANCE WITH THE REQUIREMENTS OF THE STATE AND FEDERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT.

3. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING EROSION AND SEDIMENT CONTROL FEATURES TO PREVENT AND CONTROL SEDIMENT-LADEN RUNOFF FROM LEAVING THE CONSTRUCTION AREAS AND ENTERING EXISTING STORMWATER FACILITIES AND SURFACE WATERS. ADDITIONAL MEASURES BEYOND THOSE SHOWN WITHIN THESE PLANS MAY BE NECESSARY DURING CONSTRUCTION, INCLUDING TEMPORARY VEGETATIVE MEASURES AND INSTALLATION OF OTHER SILT TRAPPING MEASURES.

4. THE CONTRACTOR IS REQUIRED TO ADJUST THE EROSION AND SEDIMENT CONTROLS AS NECESSARY AND AS SHOWN ON THE DRAWINGS: AND ADD ADDITIONAL CONTROL MEASURES AS REQUIRED TO INSURE THE SITE MEETS ALL FEDERAL, STATE AND LOCAL EROSION AND SEDIMENT CONTROL REQUIREMENTS.

5. ALL BEST MANAGEMENT EROSION AND SEDIMENT CONTROL PRACTICES WILL BE INSPECTED BY THE SUPERINTENDENT, THE PERSON RESPONSIBLE FOR THE DAY TO DAY OPERATIONS; OR SOMEONE APPOINTED BY THE SUPERINTENDENT, AT LEAST EVERY OTHER WEEK AND FOLLOWING A STORM EVENT OF 0.5 INCHES OR GREATER.

6. ALL BEST MANAGEMENT CONTROL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER; IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF REPORT.

EARTHWORK

1. IN THE EVENT OF ANY UNFORESEEN CONDITIONS THAT ARE ENCOUNTERED AND NOT COVERED BY THESE NOTES DURING GRADING OPERATIONS, THE ENGINEER SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTION.

2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM ALL NECESSARY CUTS AND FILLS WITHIN THE LIMITS OF THIS PROJECT AND RELATED OFF-SITE WORK SO AS TO ESTABLISH THE DESIRED SUBGRADE, FINISH GRADES AND SLOPES SPECIFIED WITHIN THE PLANS.

3. ADEQUATE SHORING IS TO BE DESIGNED AND PROVIDED BY THE CONTRACTOR TO PREVENT UNDERMINING OF ANY ADJACENT FEATURES OR FACILITIES AND/OR CAVING OF THE EXCAVATION. ALL SHORING AND ASSOCIATED TEMPORARY STRUCTURES SHALL BE DESIGNED BY A LICENSED PROFESSIONAL AND INSTALLED PURSUANT TO OSHA REQUIREMENTS.

SOIL MATERIALS:

1. UNSATISFACTORY SOILS CONSIST OF SOIL CLASSIFICATION GROUPS ML, OL, CH, MH, OH, AND PT, OR A COMBINATION OF THESE GROUPS. UNSATISFACTORY SOILS ALSO INCLUDE SATISFACTORY SOILS NOT MAINTAINED WITHIN 3 PERCENT OF OPTIMUM MOISTURE CONTENT AT TIME OF COMPACTION.

2. SATISFACTORY SOILS: ASTM D 2487 SOIL CLASSIFICATION GROUPS AS IDENTIFIED ON THE DRAWINGS, OR A COMBINATION OF THESE GROUPS; FREE OF ROCK OR GRAVEL LARGER THAN 3 INCHES IN ANY DIMENSION, DEBRIS WASTE, FROZEN MATERIALS, VEGETATION, AND OTHER DELETERIOUS MATERIAL.

SUBGRADE INSPECTION:

1. PROOF-ROLL SUBGRADE BELOW THE BUILDING SLABS AND PAVEMENTS WITH HEAVY PNEUMATIC-TIRED EQUIPMENT TO IDENTIFY SOFT POCKETS AND AREAS OF EXCESS YIELDING. DO NOT PROOF-ROLL WET OR SATURATED SUBGRADES.
   a. COMPLETELY PROOF-ROLL SUBGRADE IN TWO DIRECTIONS, REPEATING PROOF ROLLING IN DIRECTION PERPENDICULAR TO FIRST DIRECTION. LIMIT VEHICLE SPEED TO 3 MPH,
   b. PROOF-ROLL WITH A LOADED 10-WHEEL, TANDEM-AXLE DUMP TRUCK WEIGHING NOT LESS THAN 15 TONS.
   c. EXCAVATE SOFT SPOTS, UNSATISFACTORY SOILS. AND AREAS OF EXCESSIVE PUMPING OR RUTTING, AS DETERMINED BY ENGINEER AND REPLACE WITH COMPACTED BACKFILL OR FILL AS DIRECTED.

2. RECONSTRUCT SUBGRADES DAMAGED BY FREEZING TEMPERATURES, FROST, RAIN, ACCUMULATED WATER, OR CONSTRUCTION ACTIVITIES AS DIRECTED BY ENGINEER, WITHOUT ADDITIONAL COMPENSATION.

BACKFILL:

1. THE CONTRACTOR SHALL PLACE AND COMPACT BACKFILL IN EXCAVATIONS PROMPTLY, BUT NOT BEFORE COMPLETING THE FOLLOWING:
   a. CONSTRUCTION BELOW FINISH GRADE INCLUDING, WHERE APPLICABLE, SUBDRAINAGE, DAMP PROOFING, WATERPROOFING, AND PERIMETER INSULATION.
   b. SURVEYING LOCATIONS OF UNDERGROUND UTILITIES FOR RECORD DRAWINGS.
   c. TESTING AND INSPECTING UNDERGROUND UTILITIES.
   d. REMOVING CONCRETE FORMWORK.
   e. REMOVING TRASH AND DEBRIS.
   f. REMOVING TEMPORARY SHORING AND BRACING, AND SHEETING.
   g. INSTALLING PERMANENT OR TEMPORARY HORIZONTAL BRACING ON HORIZONTALLY SUPPORTED WALLS.

COMPACTION OF SOIL BACKFILLS AND FILLS:

1. CONTRACTOR SHALL PLACE BACKFILL AND FILL MATERIALS IN LAYERS NOT MORE THAN 8-INCHES IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HEAVY COMPACTION EQUIPMENT, AND NOT MORE THAN 4-INCHES IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HAND-OPERATED TAMPERS.

2. PLACE BACKFILL AND FILL SOIL MATERIALS EVENLY ON ALL SIDES OF STRUCTURES TO REQUIRED ELEVATIONS, AND UNIFORMLY ALONG THE FULL LENGTH OF EACH STRUCTURE.

3. COMPACT SOIL MATERIALS TO NOT LESS THAN THE PLAN SPECIFIED PERCENTAGES OF MAXIMUM DRY UNIT WEIGHT ACCORDING TO ASTM D 698 OR ASTM D 1557. (SEE CIVIL DETAILS FOR SUMMARY OF TRENCH BACKFILL AND BEDDING MATERIALS AND PLACEMENT SPECIFICATIONS).

GRADING:

1. GENERAL: UNIFORMLY GRADE AREAS TO A SMOOTH SURFACE. FREE OF IRREGULAR SURFACE CHANGES. COMPLY WITH COMPACTION REQUIREMENTS AND GRADE TO DETAILED/INDICATED CROSS-SECTIONS. LINES, AND ELEVATIONS INDICATED IN PLANS. PROVIDE A SMOOTH TRANSITION BETWEEN ADJACENT EXISTING GRADES AND NEW GRADES. CUT OUT SOFT SPOTS, FILL LOW SPOTS, AND TRIM HIGH SPOTS TO COMPLY WITH REQUIRED SURFACE TOLERANCES.

2. SITE GRADING: SLOPE GRADES TO DIRECT WATER AWAY FROM BUILDINGS AND TO PREVENT PONDING. FINISH SUBGRADES TO REQUIRED ELEVATIONS WITHIN THE FOLLOWING TOLERANCES:
   a. LAWN OR UNPAVED AREAS: PLUS OR MINUS ONE (1) INCH.
   b. WALKS: PLUS OR MINUS ONE (1) INCH.
   c. PAVEMENTS: PLUS OR MINUS ONE-HALF (1/2) INCH.
   d. GRADING INSIDE BUILDING LINES: FINISH SUBGRADE TO A TOLERANCE OF ONE-HALF (1/2) INCH WHEN TESTED WITH A 10-FOOT STRAIGHTEDGE.

3. SUBBASE AND BASE COURSES:
   a. PLACE SUBBASE AND BASE COURSE ON SUBGRADES FREE OF MUD, FROST, SNOW, OR ICE.
   b. PLACE SUBBASE AND BASE COURSE 6 INCHES OR LESS IN COMPACTED THICKNESS IN A SINGLE LAYER.
   c. PLACE SUBBASE AND BASE COURSE EXCEEDING 6 INCHES IN COMPACTED THICKNESS IN LAYERS OF EQUAL THICKNESS, WITH NO COMPACTED LAYER MORE THAN 6 INCHES THICK OR LESS THAN 3 INCHES.

4. COMPACT SUBBASE AND BASE COURSE AT OPTIMUM MOISTURE CONTENT TO REQUIRED GRADES, LINES, CROSS SECTIONS. AND THICKNESS ACCORDING TO ASTM D 698 OR ASTM D 1557, AS INDICATED ON THE DRAWING DETAILS.

FIELD QUALITY CONTROL:

1. THE TESTING AGENCY WILL INSPECT AND TEST SUBGRADES AND EACH FILL OR BACKFILL LAYER. CONTRACTOR SHALL PROCEED WITH SUBSEQUENT EARTHWORK ONLY AFTER TEST RESULTS FOR PREVIOUSLY COMPLETED WORK COMPLY WITH REQUIREMENTS.

2. FOOTING SUBGRADE: AT FOOTING SUBGRADES, AT LEAST ONE TEST OF EACH SOIL STRATUM WILL BE PERFORMED TO VERIFY DESIGN BEARING CAPACITIES. SUBSEQUENT VERIFICATION AND APPROVAL OF OTHER FOOTING SUBGRADES MAY BE BASED ON A VISUAL COMPARISON OF SUBGRADE WITH TESTED SUBGRADE WHEN APPROVED BY ENGINEER.

3. THE TESTING AGENCY WILL TEST COMPACTION OF SOILS IN PLACE ACCORDING TO ASTM D 1556, ASTM D 2167, ASTM D 2922, AND ASTM D 2937, AS APPLICABLE. TESTS WILL BE PERFORMED AT THE FOLLOWING LOCATIONS AND FREQUENCIES:
   a. PAVED AND BUILDING SLAB AREAS: AT SUBGRADE AT EACH COMPACTED FILL AND BACKFILL LAYER, AT LEAST 1 TEST FOR EVERY 10,000 SQ. FT. OR LESS OF PAVED AREA OR BUILDING SLAB, BUT IN NO CASE FEWER THAN 3 TESTS.
   b. FOUNDATION WALL BACKFILL: AT EACH COMPACTED BACKFILL LAYER, AT LEAST 1 TEST FOR EACH 100 FEET OR LESS OF WALL LENGTH, BUT NO FEWER THAN 2 TESTS.
   c. TRENCH BACKFILL: AT EACH COMPACTED INITIAL AND FINAL BACKFILL LAYER, AT LEAST 1 TEST FOR EACH 150 FEET OR LESS OF TRENCH LENGTH, BUT NO FEWER THAN 2 TESTS.

5. IF THE TESTING AGENCY REPORTS THAT SUBGRADES, FILLS, OR BACKFILLS HAVE NOT ACHIEVED DEGREE OF COMPACTION SPECIFIED, SCARIFY AND MOISTEN OR AERATE, OR REMOVE AND REPLACE SOIL TO DEPTH REQUIRED; RECOMPACT AND RETEST UNTIL SPECIFIED COMPACTION IS OBTAINED.

6. ALL FIELD QUALITY CONTROL TESTS THAT FAIL TO MEET THE SPECIFIED COMPACTION DENSITY SHALL BE REPORTED TO THE ENGINEER.

GENERAL UTILITY NOTES

1. PRIOR TO COMMENCEMENT OF WORK, THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES FOR VERIFICATION OF UTILITIES WITHIN THE LIMITS OF CONSTRUCTION. CALL THE AREA ONE CALL SYSTEM 48 HOURS PRIOR TO ANY EXCAVATION.

2. THE CONTRACTOR IS TO VERIFY ALL DIMENSIONS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER.

3. THE CONTRACTOR SHALL COORDINATE WORK EFFORTS WITH THE OWNER TO MINIMIZE TRAFFIC INTERFERENCE AND OPERATIONS OF THE FACILITIES.

4. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROTECT EXISTING PERMANENT SURVEYING MONUMENTS AND BENCHMARKS FROM DISTURBANCE. SURVEY MONUMENTS DISTURBED BY CONSTRUCTION ARE TO BE REPLACED AND ADJUSTED VIA A LAND SURVEYOR REGISTERED IN THE STATE FOR WHICH THE PROJECT IS LOCATED.

5. EXISTING UTILITIES SHOWN HEREIN ARE BASED ON AVAILABLE RECORDS AND FIELD INVESTIGATIONS. THE CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATIONS OF UTILITIES PRIOR TO EXCAVATION WITHIN WORK AREAS. THE ENGINEER SHALL BE NOTIFIED UPON DISCOVERY OF ANY DISCREPANCIES THAT WILL AFFECT INSTALLATION OF WORK OR DISCOVERY OF UNCHARTED UTILITIES WHICH MAY REQUIRE RELOCATION. NOTIFICATION SHALL BE DONE IN A TIMELY MANNER.

6. WHERE APPLICABLE, THE CONTRACTOR SHALL MAINTAIN ALL FENCING, SIGNS, DETOURS, FLAGMEN, SIGNALS, ETC., FOR ANY OPEN TRENCHES, HOLES OR PITS. ALL TRENCHES, HOLES OR PITS SHALL BE CLOSED OR PROTECTED BY BARRICADES AT THE END OF THE DAY.

7. PERMITS MAY BE REQUIRED FOR ANY WORK IN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR IS TO ACKNOWLEDGE AND SECURE ALL PERMITS AND INSPECTIONS REQUIRED FOR WORK WITHIN PUBLIC RIGHT-OF-WAY.

8. THE CONTRACTOR SHALL MAINTAIN RECORD DRAWINGS DURING CONSTRUCTION WHICH SHOW THE CONSTRUCTED CONDITIONS OF ALL WORK INSTALLED. SEE "AS-BUILT" REQUIREMENTS FOR ADDITIONAL INFORMATION.

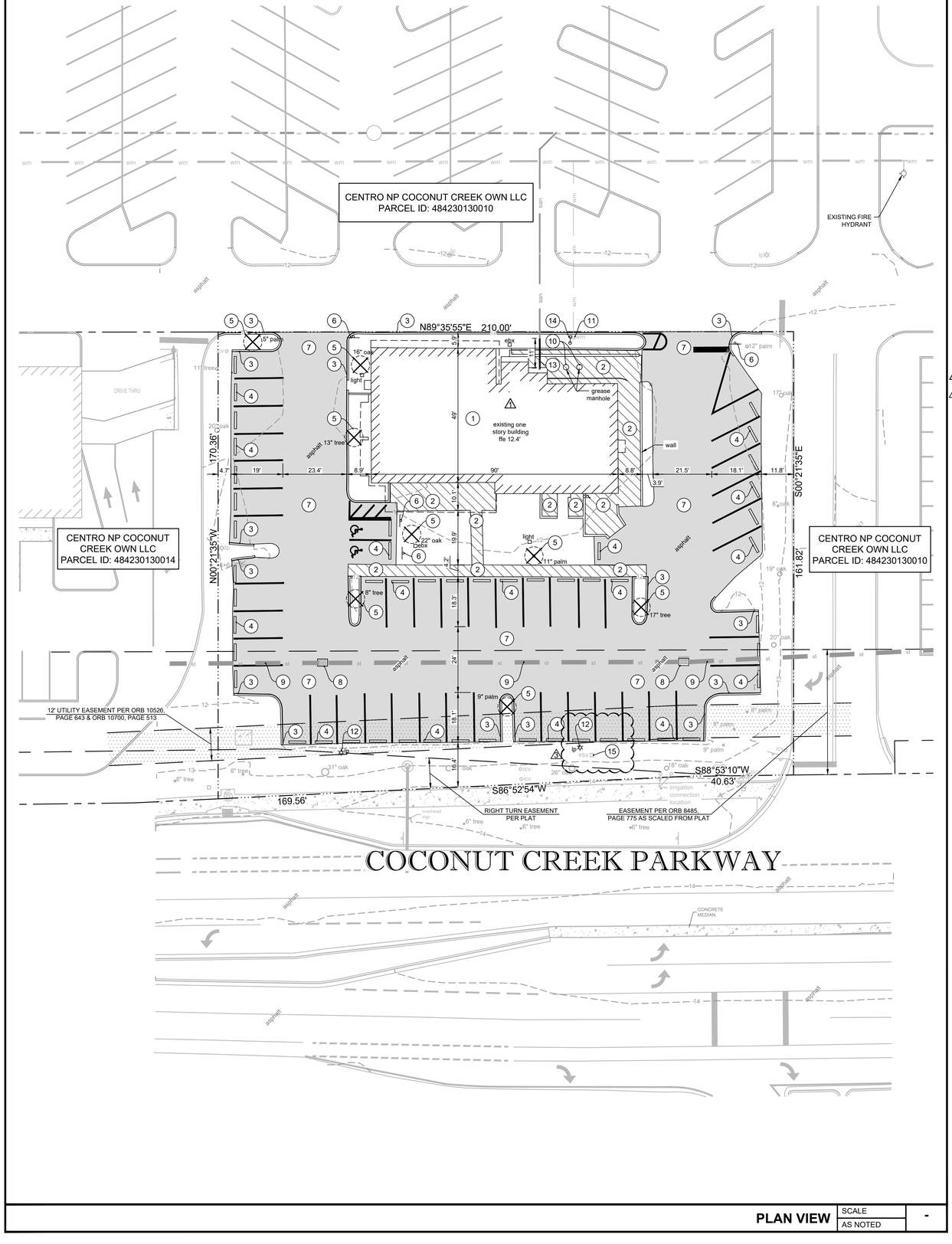
9. ALL VALVE BOXES, METER BOXES, VAULTS, CLEANOUTS, HOLE COVERS, FIRE HYDRANTS AND OTHER APPURTENANCES THAT ARE TO REMAIN IN SERVICE WITHIN THE PROJECT AREA SHALL BE ADJUSTED TO CONFORM TO FINISHED GRADE.

10. ALL UNDERGROUND UTILITIES MUST BE IN PLACE, TESTED AND INSPECTED AS REQUIRED PRIOR TO BASE AND SURFACE CONSTRUCTION.

11. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY ALL UTILITY COMPANIES TO DISCONNECT OR REMOVE THEIR FACILITIES PRIOR TO REMOVING OR DEMOLISHING ANY EXISTING STRUCTURES FROM THE SITE.

    ALL UTILITIES INCLUDING, BUT NOT NECESSARILY LIMITED TO, THE FOLLOWING SHOULD BE CONTACTED BY THE CONTRACTOR:
    1. GAS
    2. TELEPHONE
    3. CABLE
    4. POWER
    5. CITY/COUNTY WATER AND SEWER
    6. CITY/COUNTY/STATE TRAFFIC SIGNAL UTILITY (FIBER, HARDWIRE TRAFFIC SIGNAL INTERCONNECT)

13. THE LOCATION OF ALL EXISTING UTILITIES SHOWN ON THE PLANS HAVE BEEN DETERMINED THE ENGINEER ASSUMES NO RESPONSIBILITY FOR FROM THE BEST INFORMATION AVAILABLE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE VARIOUS ACCURACY. UTILITIES AND TO MAKE THE NECESSARY ARRANGEMENTS FOR ANY RELOCATIONS UTILITIES WITH THE OWNER OF THE UTILITY. THE CONTRACTOR SHALL EXERCISE OF THESE CAUTION WHEN CROSSING ANY UNDERGROUND UTILITY, WHETHER SHOWN ON THE PLANS OR L



PLAN VIEW | SCALE: AS NOTED | -

KEYED NOTES

1	EXISTING BUILDING TO BE DEMOLISHED/REMOVED.
2	EXISTING CONCRETE SIDEWALK/PAVEMENT TO BE REMOVED.
3	EXISTING CONCRETE CURB TO BE SAWCUT AND REMOVED.
4	EXISTING WHEEL STOPS TO BE REMOVED (TYPICAL OF 49).
5	EXISTING TREE TO BE REMOVED (TYPICAL OF 9).
6	EXISTING SIGNS TO BE REMOVED (TYPICAL OF 4).
7	EXISTING ASPHALT PAVEMENT, BASE AND SUB BASE TO BE REMOVED.
8	EXISTING STORM STRUCTURE TO REMAIN.
9	EXISTING STORM PIPE TO REMAIN.
10	EXISTING GREASE TRAP TO BE REMOVED BY LICENSED CONTRACTOR. INSTALL TEMPORARY CAP AT THE EXISTING CONNECTION FOR FUTURE USE.
11	EXISTING 1-INCH WATER METER TO REMAIN.
12	EXISTING LIGHT POLE(S) TO BE REMOVED (TYPICAL OF 2).
13	EXISTING SANITARY SEWER PIPE TO BE REMOVED. INSTALL TEMPORARY CAP AT EXISTING CONNECTION FOR FUTURE USE.
14	EXISTING BACKFLOW PREVENTER TO BE REMOVED.
15	EXISTING HAND HOLE BOX TO REMAIN.

DEMOLITION QUANTITIES

ASPHALT PAVEMENT	= 18,245 SF
BUILDING	= 4,500 SF
CONCRETE	= 2,002 SF
CONCRETE CURB	= 641 LF

LEGEND

- PROPERTY LINE
- EXISTING CONCRETE TO REMAIN
- EXISTING TO REMAIN
- EXISTING ASPHALT/CONCRETE TO BE REMOVED
- EXISTING CONCRETE SIDEWALK/PAVEMENT TO BE REMOVED
- EXISTING TO BE REMOVED
- EXISTING TREE TO BE REMOVED
- gas — EXISTING GAS
- san — EXISTING SANITARY
- tel — EXISTING TELEPHONE
- ue — EXISTING UNDERGROUND ELECTRIC
- oh — EXISTING OVERHEAD LINE
- wm — EXISTING WATER
- 29 — EXISTING CONTOUR

DEMOLITION NOTES

1. CONTRACTOR TO ESTABLISH AND PROPERLY FLAG PROPERTY LINES PRIOR TO DEMOLITION.
2. ALL ABOVE AND BELOW GROUND HARDWARE, EQUIPMENT AND MATERIALS TO BE DISPOSED OF IN ACCORDANCE WITH LOCAL MUNICIPALITY REQUIREMENTS.
3. ANY AFFECTED WATER AND SANITARY UTILITIES TO BE PLUGGED SHALL BE FILLED WITH A MINIMUM 1.0 CUBIC FT. OF NON SHRINK GROUT OR AS OTHERWISE APPROVED BY ENGINEER. ANY UTILITIES THAT ARE EXPECTED TO BE ABANDONED, MUST BE FULLY REMOVED FROM THE SITE.
4. TREES SHOWN TO REMAIN SHALL MAINTAIN PROTECTIVE BARRIERS DURING DEMOLITION. THESE BARRIERS SHALL BE IN ACCORDANCE WITH CURRENT LOCAL MUNICIPALITY STANDARDS.
5. THE CONTRACTOR SHALL COORDINATE THE REMOVAL OF EXISTING UTILITIES WITH THE OWNER OF SAID UTILITY. THIS SHALL INCLUDE BUT NOT BE LIMITED TO WATER, SEWER, GAS, CABLE TV, POWER AND TELEPHONE.
6. THE CONTRACTOR SHALL UTILIZE SUITABLE EROSION CONTROL DURING DEMOLITION, SEE "EROSION & SEDIMENT CONTROL DETAILS".
7. THE CONTRACTOR SHALL LOCATE ALL EXISTING UTILITIES PRIOR TO DEMOLITION AND WILL BE RESPONSIBLE FOR THE DAMAGE OF ANY ON-SITE OR OFF-SITE UTILITIES THAT ARE NOT A PART OF THIS PROJECT OR ARE NOT IDENTIFIED TO BE REMOVED.
8. ALL DISTURBED AREA WITH THE RIGHT OF WAY WILL BE RESTORED TO ORIGINAL OR BETTER CONDITION BY GRADING AND SODDING THE AREA DISTURBED.
9. THE DEMOLITION SHALL MEET THE REQUIREMENTS OF NFPA 241 STANDARD FOR SAFEGUARDING CONSTRUCTION, ALTERATION AND DEMOLITION OPERATIONS.

TREE NOTE:

CONTRACTOR TO INSTALL TREE BARRICADES SURROUNDING ALL TREES TO REMAIN. IRRIGATE ALL LANDSCAPING AS NEEDED.

SCALE

0 ' 20' 40 ' 60 '

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ISSUE	BY	DATE	DESCRIPTION
		09/05/24	PERMIT SET
1		12/20/24	DRC COMMENTS #1
2		04/28/25	DRC ROUND 3
3		06/25/25	DRC ROUND 4

PROJECT INFORMATION BLOCK

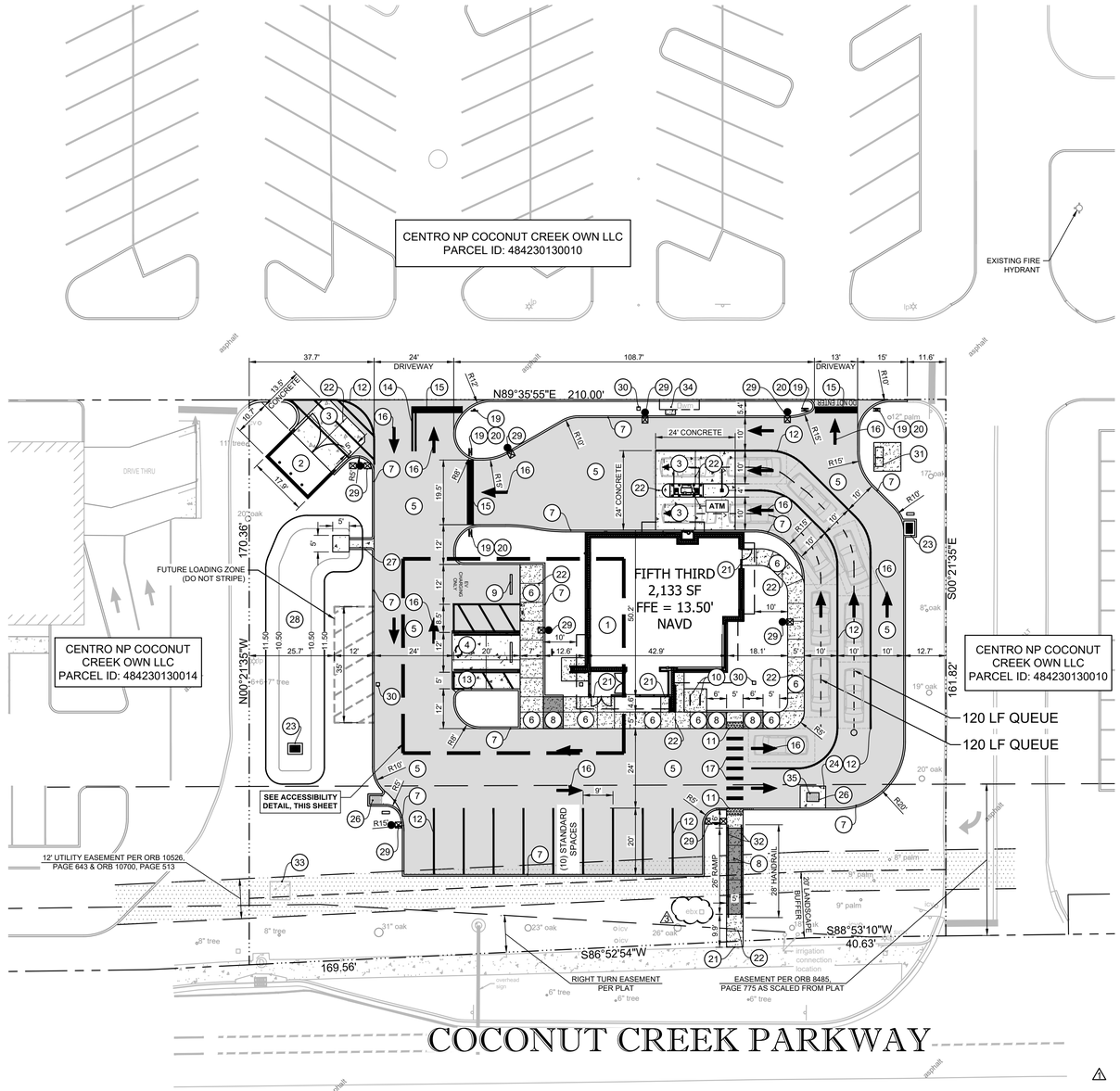
JOB #	230649
DATE:	09/05/24
DRAWN BY:	IEG
CHECKED BY:	IEG

SHEET TITLE

DEMOLITION PLAN

SHEET NUMBER

C01.01



SITE PLAN GENERAL NOTES

1. ALL DIMENSIONS SHOWN ARE TO FACE OF CURB. BUILDING DIMENSIONS ARE TO FACE OF BUILDING.
2. EXISTING IMPROVEMENTS SHOWN ARE TAKEN FROM THE SURVEY.
3. BUILDING AND SIDEWALK DIMENSIONS ARE TO OUTSIDE EDGE OF WALL
4. ALL TIES TO THE PROPERTY LINE ARE BASED ON THE SURVEY.
5. ALL CURB RADIUS ARE 3' UNLESS OTHERWISE NOTED

LANDSCAPE NOTE

1. CONTRACTOR TO RE-GRADE SURROUNDING GRADE ELEVATION AND RE-SOD AS NEED TO MEET PROPOSED TOP OF SIDEWALK ELEVATIONS.
2. CONTRACTOR SHALL REPLACE ALL DISTURBED LANDSCAPING TO MATCH EXISTING.
3. CONTRACTOR SHALL TIE INTO EXISTING IRRIGATION SYSTEM AND EXTEND NEW DRIP IRRIGATION AS REQUIRED TO ACCOMMODATE NEW CONSTRUCTION.

SCALE

0 ' 20' 40 ' 60 '

PLAN VIEW | SCALE: AS NOTED | -

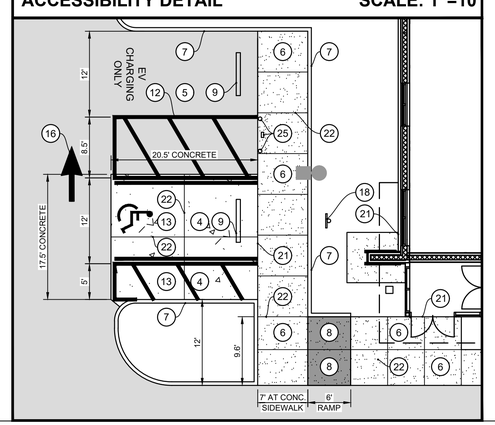
KEYED NOTES

1	NEW BUILDING (SEE ARCHITECTURAL DRAWINGS).
2	NEW TRASH ENCLOSURE (SEE ARCHITECTURAL DRAWING).
3	NEW 6" CONCRETE PAVEMENT. SEE DETAILS, SHEET C05.01.
4	NEW 6" BLACKTINT CONCRETE PAVEMENT. SEE DETAILS, SHEET C05.01.
5	NEW ASPHALT PAVEMENT. SEE DETAILS, SHEET C05.01.
6	NEW 4" CONCRETE SIDEWALK, SEE PLAN FOR WIDTH. SEE DETAILS, SHEET C05.01.
7	NEW TYPE "D" CURB PER CITY OF COCONUT CREEK STANDARD 635. SEE COCONUT CREEK DETAILS, SHEET C05.05. ⚠1
8	NEW ADA RAMP. SEE DETAILS, SHEET C05.01.
9	NEW WHEEL STOP (TYPICAL OF 2). SEE DETAILS, SHEET C05.01.
10	NEW BICYCLE RACK. SEE DETAILS, SHEET C05.01.
11	NEW DETECTABLE WARNING. SEE DETAILS, SHEET C05.01.
12	NEW 6-INCH "WHITE" PARKING/AISLE STRIPE (CONTINUOUS PAINT).
13	NEW ACCESSIBLE PARKING SPACE AND ACCESS AISLE PER CITY OF COCONUT CREEK DETAIL 622. SEE COCONUT CREEK DETAILS, SHEET C05.05. ⚠1
14	NEW 6-INCH "DOUBLE YELLOW" LANE STRIPE (CONTINUOUS PAINT).
15	NEW 24-INCH "WHITE" STOP BAR (CONTINUOUS PAINT).
16	NEW "WHITE" DIRECTIONAL ARROW (CONTINUOUS PAINT). SEE DETAILS, SHEET C05.01.
17	NEW 5-FOOT WIDE CROSSWALK, 12-INCH "WHITE" STRIPE @ 36" O.C. (CONTINUOUS PAINT).
18	NEW ACCESSIBLE PARKING SIGN PER CITY OF COCONUT CREEK DETAIL 622. SEE COCONUT CREEK DETAILS, SHEET C05.05. ⚠1
19	NEW 30" R1-1 "STOP" SIGN (TYPICAL OF 5). SEE DETAILS, SHEET C05.02.
20	NEW 30" R5-1 "DO NOT ENTER" SIGN (TYPICAL OF 4). SEE DETAILS, SHEET C05.02.
21	NEW EXPANSION JOINT. SEE DETAILS, SHEET C05.01.
22	NEW CONTROL JOINT. SEE DETAILS, SHEET C05.01.
23	NEW STORMWATER STRUCTURE. SEE STORM PIPING PLAN, SHEET C03.02.
24	NEW CONCRETE COLLAR. SEE DETAILS, SHEET C05.02.
25	NEW ELECTRICAL STUB-UP FOR FUTURE ELECTRIC VEHICLE (EV) CHARGING STATION WITH 4" BOLLARD(S). SEE ELECTRICAL SHEET FOR MORE DETAILS.
26	EXISTING STORMWATER STRUCTURE TO REMAIN.
27	NEW CONCRETE FLUME PER CITY OF COCONUT CREEK DETAIL 659. SEE COCONUT CREEK DETAILS, SHEET C05.05.
28	NEW RAIN GARDEN. REFER TO LANDSCAPE PLAN, SHEET LP.01.01. ⚠1
29	NEW LIGHT POLE. SEE ELECTRICAL SITE PLAN.
30	NEW CLEANOUT CONCRETE PAD.
31	NEW PAD MOUNTED TRANSFORMER. SEE ELECTRICAL SITE PLAN.
32	NEW HANDRAIL (56 LF TOTAL). CONTRACTOR TO FIELD MEASURE PRIOR TO FABRICATION. SEE DETAILS, SHEET C05.02.
33	EXISTING TRANSFORMER TO REMAIN.
34	NEW BACKFLOW PREVENTER CONCRETE PAD.
35	EXISTING INLET TOP TO BE RAISED TO MATCH PROPOSED ELEVATION. SEE DETAILS, SHEET C05.02.

⚠1

ACCESSIBILITY DETAIL

SCALE: 1"=10'



LEGEND

- PROPERTY LINE
- EXISTING TO REMAIN
- EXISTING CONCRETE TO REMAIN
- PROPOSED CONCRETE LESS THAN 6"
- PROPOSED CONCRETE 6" OR GREATER
- NEW ASPHALT PAVEMENT
- SETBACK/BUFFER
- PROPOSED CURB
- PROPOSED CURB AND GUTTER

SITE DATA

SITE ADDRESS:	4805 COCONUT CREEK PARKWAY COCONUT CREEK, FLORIDA 33063
PIN:	4842 30 13 0015
BUILDING AREA:	2,133 SF BUILDING
EXISTING ZONING:	B-4 REGIONAL SHOPPING
SITE AREA:	34,758 SF / .80 AC
EXISTING USE:	EXISTING RESTAURANT
FUTURE USE:	BANK WITH DRIVE THRU

PARKING DATA

BANK PARKING REQUIRED:	1 SPACE PER 200' SF OF G.F.A. 2,133 SF x (1 / 200 SF) = 11 SPACES
TOTAL PARKING PROVIDED:	STANDARD PARKING = 9 SPACES ADA PARKING = 1 SPACE EV PARKING = 2 SPACES TOTAL PARKING PROVIDED = 12 SPACES
PARKING SPACE SIZE:	10' x 20' MINIMUM
DRIVE THROUGH QUEUE:	6 SPACES PER ATM LANE 6 SPACES PER TELLER LANE 10' x 18' QUEUE SIZE
LOADING ZONE:	*NOTE-FINANCIAL INSTITUTIONS DO NOT USE LOADING ZONES FOR SECURITY PURPOSES DELIVERY TRUCK WILL PARK DIRECTLY IN FRONT OF MAIN ENTRANCE.

LANDSCAPE REQUIREMENTS:	REQUIRED
LANDSCAPE BUFFER - FRONT (COCONUT CREEK PARKWAY)	= 20'
LANDSCAPE BUFFER - SIDE (EAST)	= 10'
LANDSCAPE BUFFER - REAR	= 10' ⚠1

BUILDING REQUIREMENTS:	REQUIRED
BUILDING SETBACK - FRONT (COCONUT CREEK PARKWAY)	= 150
BUILDING SETBACK - REAR	= 100'
BUILDING SETBACK - SIDE	= 100'
MAXIMUM BUILDING HEIGHT	= 72'

FLOOD ZONE:

THE PROPERTY SHOWN HEREON APPEARS TO LIE IN FLOOD ZONE "X", AND X "SHADED" ACCORDING TO THE FLOOD INSURANCE RATE MAP, COMMUNITY NUMBER 120031, PANEL NUMBER 0355, SUFFIX H, EFFECTIVE AUGUST 18, 2014, FOR COCONUT CREEK, FLORIDA.

MATERIAL QUANTITIES

ASPHALT PAVEMENT	= 13,770 SF
CONCRETE SIDEWALK	= 1,380 SF
CONCRETE	= 1,120 SF
BLACKTINT CONCRETE	= 361 SF
CONCRETE CURB	= 990 LF ⚠1

PRE SITE AREAS

AREAS	SQUARE FEET (SF)	ACRE (AC)	PERCENT %
GROSS SITE	34,758	0.80	100%
BUILDING	4,130	0.09	12%
TOTAL IMPERVIOUS (INCLUDES BUILDING)	25,183	0.58	72%
TOTAL PERVIOUS (LS + DRY POND AREA)	9,575	0.22	28%

POST SITE AREAS

AREAS	SQUARE FEET (SF)	ACRE (AC)	PERCENT %
GROSS SITE	34,758	0.80	100%
BUILDING	2,133	0.05	6%
TOTAL IMPERVIOUS (INCLUDES BUILDING)	19,704	0.45	57%
TOTAL PERVIOUS (LS + DRY POND AREA)	15,054	0.35	43%

⚠1

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		09/05/24	PERMIT SET
⚠1		12/20/24	DRC COMMENTS #1
⚠2		06/25/25	DRC ROUND 4

PROJECT INFORMATION BLOCK

JOB #	230649
DATE:	09/05/24
DRAWN BY:	IEG
CHECKED BY:	IEG

SHEET TITLE

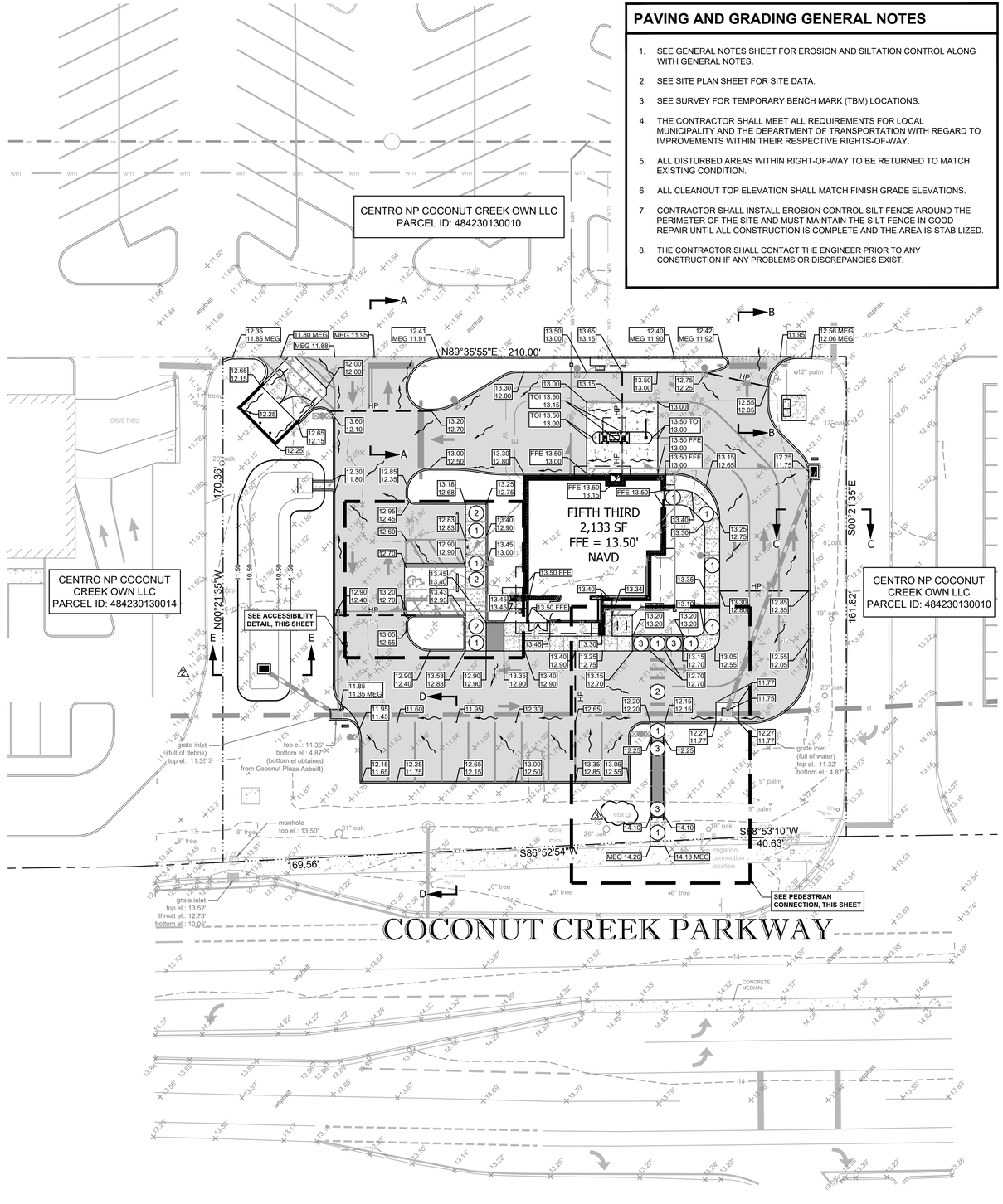
SITE PLAN

SHEET NUMBER

C02.01

PAVING AND GRADING GENERAL NOTES

1. SEE GENERAL NOTES SHEET FOR EROSION AND SILTATION CONTROL ALONG WITH GENERAL NOTES.
2. SEE SITE PLAN SHEET FOR SITE DATA.
3. SEE SURVEY FOR TEMPORARY BENCH MARK (TBM) LOCATIONS.
4. THE CONTRACTOR SHALL MEET ALL REQUIREMENTS FOR LOCAL MUNICIPALITY AND THE DEPARTMENT OF TRANSPORTATION WITH REGARD TO IMPROVEMENTS WITHIN THEIR RESPECTIVE RIGHTS-OF-WAY.
5. ALL DISTURBED AREAS WITHIN RIGHT-OF-WAY TO BE RETURNED TO MATCH EXISTING CONDITION.
6. ALL CLEANOUT TOP ELEVATION SHALL MATCH FINISH GRADE ELEVATIONS.
7. CONTRACTOR SHALL INSTALL EROSION CONTROL SILT FENCE AROUND THE PERIMETER OF THE SITE AND MUST MAINTAIN THE SILT FENCE IN GOOD REPAIR UNTIL ALL CONSTRUCTION IS COMPLETE AND THE AREA IS STABILIZED.
8. THE CONTRACTOR SHALL CONTACT THE ENGINEER PRIOR TO ANY CONSTRUCTION IF ANY PROBLEMS OR DISCREPANCIES EXIST.



PLAN VIEW | SCALE: AS NOTED | -

KEYED NOTES:

1	SURFACE SLOPES NOT TO EXCEED 1:48 IN ALL DIRECTIONS.
2	AT GRADE SIDEWALK 1:48 MAXIMUM SLOPE ALL DIRECTIONS.
3	SURFACE SLOPES NOT TO EXCEED 1:48 CROSS SLOPES AND 1:12 RUNNING.

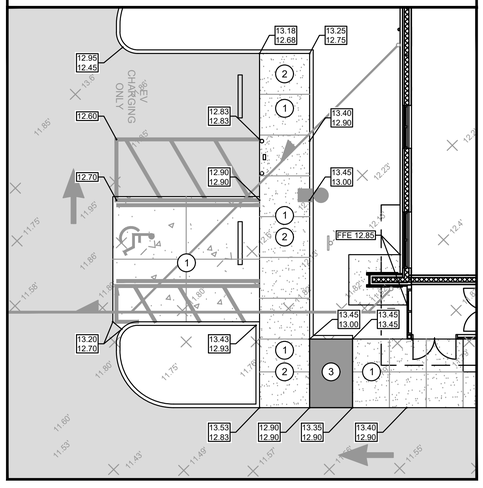
ACCESSIBILITY NOTES

1. THE DRAWINGS ARE DESIGNED TO MEET ACCESSIBILITY STANDARDS AT MINIMUM. LOCAL AND STATE REQUIREMENTS OR CODES MAY HAVE ADDITIONAL STANDARDS.
2. ACCESSIBLE PARKING SPACES, SIGNAGE, LOGOS, WHEEL STOPS AND ACCESSIBLE AISLES TO MEET ALL OF THE 2010 ADA STANDARDS REQUIREMENTS - PROVIDE SPACES IN SIZE, QUANTITY AND LOCATIONS REQUIRED BY THE ADA STANDARDS AND APPLICABLE CODES AS DETERMINED BY LOCAL JURISDICTION. PROVIDE A MAXIMUM SLOPE IN EITHER DIRECTION OF 1:48 (1:64 RECOMMENDED).
3. ACCESSIBLE PARKING SIGNAGE ON POST. BOTTOM OF SIGNAGE TO BE MINIMUM 60" ABOVE GRADE. VERIFY ALL REQUIREMENTS WITH ACCESSIBILITY REQUIREMENTS AND LOCAL CODE.
4. CONCRETE WHEEL STOP. ALL ACCESSIBLE SPACES- LOCATE FIXED WHEEL STOP SO AS NOT TO REDUCE THE WIDTH OF THE ADJOINING ACCESSIBLE ROUTE.
5. ACCESSIBLE ROUTE TO PUBLIC RIGHT OF WAY (1 REQUIRED). MAXIMUM RUNNING SLOPE OF 1:20 AND MAXIMUM CROSS SLOPE OF 1:48 (1:64 RECOMMENDED). ALL PAVED SURFACES. CURB RAMPS AND TRANSITIONS ALONG PATH TO MEET ACCESSIBILITY REQUIREMENTS.
6. ACCESSIBLE PATH/WALKWAY TO BE 5'-0" MINIMUM, RUNNING SLOPE 1:20 MAXIMUM, CROSS SLOPE 1:48 MAXIMUM, SLOPE AWAY FROM BUILDING - BROOM FINISH CONCRETE.
7. CURB RAMP TO MEET ALL ACCESSIBILITY REQUIREMENTS, MAXIMUM SLOPE OF RUN 1:12 (1:14 RECOMMENDED), MAXIMUM CRISS SLOPE 1:48 (1:64 RECOMMENDED). REFER TO SITE DETAILS SHEET FOR ADDITIONAL INFORMATION. PROVIDE 36" LONG MINIMUM LANDDING AT TOP AND 60: MINIMUM LANDING AT BOTTOM OF RAMP WITH MAXIMUM SLOPE IN EITHER DIRECTION OF LANDING TO BE 1:48 (1:64 RECOMMENDED)
8. SURFACE CONDITIONS AT ACCESSIBLE WALKWAYS AND ACCESSIBLE AREAS (PAVERS SYSTEMS AND/OR CONCRETE SURFACES) SHALL NOT INCLUDE GAPS GREATER THAT 1/2" OR VERTICAL CHANGES AT JOINTS OR BETWEEN UNITS GREATER THAN 1/4" - UNLESS THE OVERALL LEVEL CHANGE DOES NOT EXCEED 1/2" AND THE LEVEL CHANGE IS BEVELED AT 1:2.
9. IT WILL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO ENSURE THAT THE HANDICAP PARKING SPACES, ACCESSIBLE ROUTES, AND SIDEWALK/CROSSWALKS ARE CONSTRUCTED TO MEET ADA REQUIREMENTS.
10. ANY REQUIREMENTS LISTED ABOVE THAT CAN NOT BE MET SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION IMMEDIATELY. ANYTHING NOT BUILT TO THE ABOVE STANDARDS WILL REQUIRE REMOVAL AND REPLACEMENT OF THE NON COMPLIANT AREAS AT THE GENERAL CONTRACTORS COST.

EROSION CONTROL MEASURE NOTE

REQUIRED EROSION CONTROL MEASURES SHALL BE INSTALLED AS NEEDED AND MUST REMAIN INTACT THROUGHOUT CONSTRUCTION. FAILURE TO INSTALL OR PROPERLY MAINTAIN THESE BARRICADES WILL RESULT IN ENFORCEMENT ACTION WHICH MAY INCLUDE CITATIONS, AND INITIATION OF CIVIL PENALTY PROCEDURES.

ACCESSIBILITY DETAIL — SCALE: 1"=10'



LEGEND

×49.58	EXISTING ELEVATION
0.00	PROPOSED PAVEMENT ELEVATION
0.00 / 0.00	TOP OF SIDEWALK/CURB EDGE OF PAVEMENT
	DITCH BOTTOM INLET
FFE	FINISH FLOOR ELEVATION
HP	HIGH POINT
MEG	MATCH EXISTING GRADE
TOI	TOP OF ISLAND
	12" OR GREATER STORMWATER PIPE
	LESS THAN 12" STORMWATER PIPE
	PROPOSED SURFACE STORMWATER FLOW
	PROPOSED SWALE STORMWATER FLOW
29	EXISTING CONTOUR
29	PROPOSED CONTOUR

CONTROL BENCHMARKS

BENCHMARKS:
CONTROL BENCHMARK:
S.B.C STAMPED BM#40 AT SOUTHEAST CORNER OF CONCRETE PAD AROUND CONCRETE TRAFFIC LIGHT SUPPORT POLE, SOUTHEAST QUADRANT OF LYONS ROAD AND HAMMOKS BOULEVARD.

12.95' (NGVD29) - 1.562' = EL.: 11.39' (NAVD88)

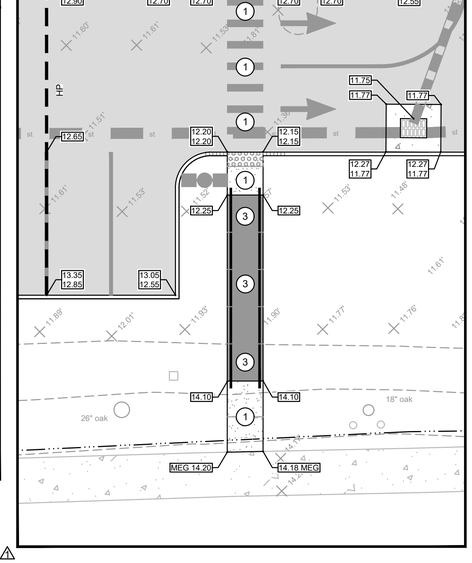
TBM #1:
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EL.: 14.32' (NAVD88)

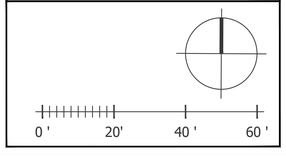
TBM #2:
STATION IS A NAIL AND DISK STAMPED "EBI LB-7652" LOCATED 3.1' NORTHEAST OF THE SOUTHWEST CORNER OF SUBJECT PARCEL.

EL.: 13.55' (NAVD88)

PEDESTRIAN CONNECTION — SCALE: 1"=10'



SCALE



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IEG JOB NO. 15-328.00

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NISIT SAPPARKHAO, P.E.
FL REG. NO. 64085

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2		04/28/25	DRC ROUND 3
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PROJECT INFORMATION BLOCK

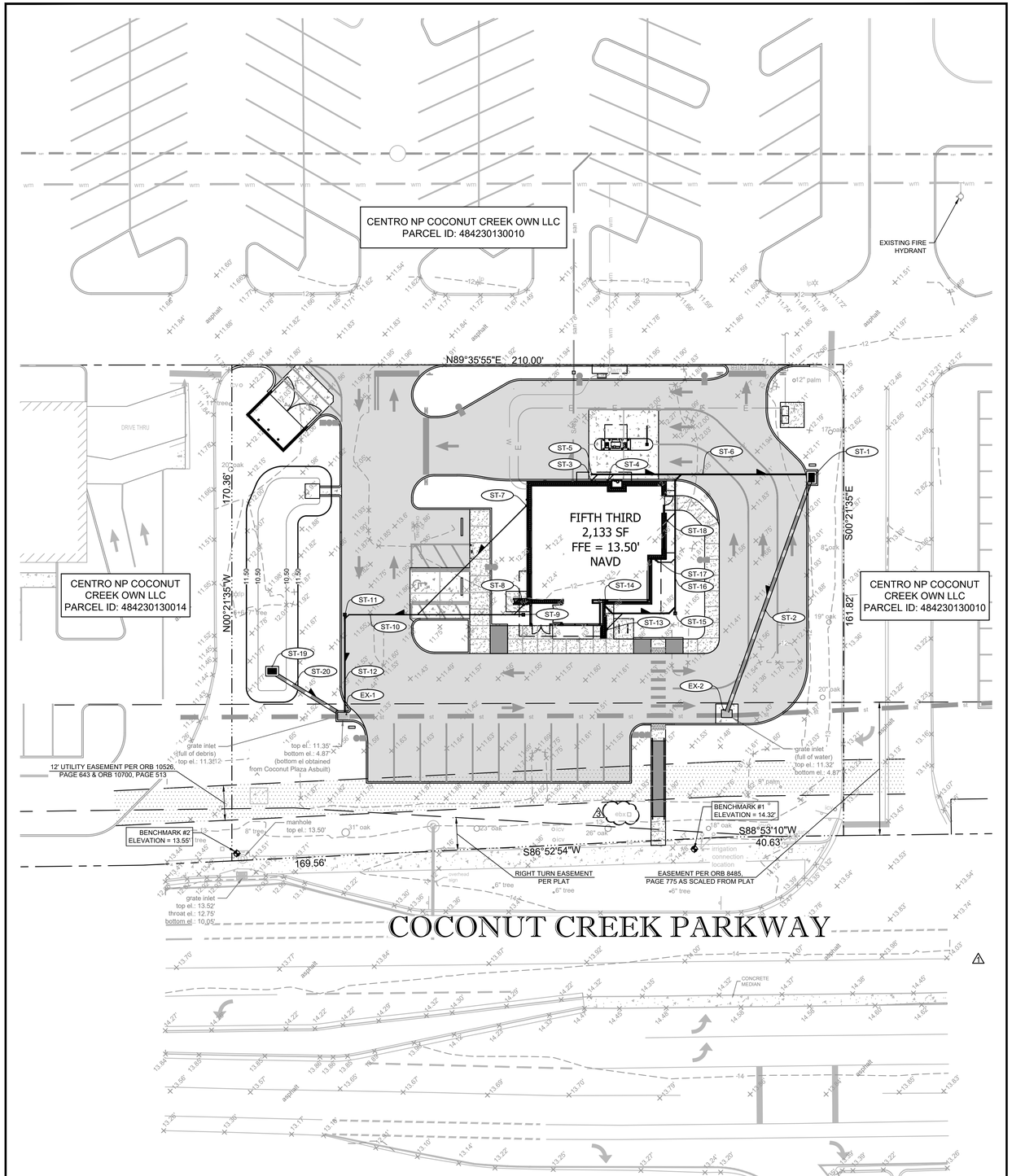
JOB #	230649
DATE:	09/05/24
DRAWN BY:	IEG
CHECKED BY:	IEG

SHEET TITLE

GRADING PLAN

SHEET NUMBER

C03.01



PLAN VIEW | SCALE: AS NOTED | -

EXISTING STORM STRUCTURE/PIPING DATA

EX-1
POINT OF CONNECTION TO EXISTING CATCH BASIN
TOP = 11.35' (EXISTING)
IE (E) = 4.87' (EXISTING)

CORE DRILL AND TIE INTO STRUCTURE @

IE (N) = 9.25' (PROPOSED 6" PVC)
IE (NW) = 7.95' (PROPOSED 15" HDPE)
SEAL WITH NON-SHRINK GROUT.

EX-2
EXISTING CATCH BASIN
EXISTING INLET TOP TO BE RAISED TO MATCH PROPOSED ELEVATION
TOP = 11.75'
IE (E) = 4.87' (EXISTING)
IE (W) = 4.87' (EXISTING)

CORE DRILL AND TIE INTO STRUCTURE @

IE (N) = 7.40' (PROPOSED 15" HDPE)
SEAL WITH NON-SHRINK GROUT.

STORM STRUCTURE/PIPING DATA

ST-1
TYPE "C" CATCH BASIN
PER COCONUT CREEK DETAIL 610
GRATE = 11.75'
IE (S) = 8.25'
IE (E) = 9.20'

ST-2
85 LF OF 15" HDPE
@ 1.0% SLOPE

ST-3
BUILDING DOWNSPOUT AND CLEANOUT
TOP TO BE SET AT GRADE
3 LF OF 3" PVC
@ 1.0% MIN. SLOPE
IE = 10.35'

ST-4
BUILDING DOWNSPOUT AND CLEANOUT
TOP TO BE SET AT GRADE
3 LF OF 4" PVC
@ 1.0% MIN. SLOPE
IE = 10.35'

ST-5
CONSTRUCT CLEANOUT
TOP TO BE SET AT GRADE
IE = 10.32'

ST-6
75 LF OF 6" PVC
@ 3.1% SLOPE

ST-7
BUILDING DOWNSPOUT AND CLEANOUT
TOP TO BE SET AT GRADE
53 LF OF 4" PVC
@ 1.0% MIN. SLOPE
IE = 10.35'

ST-8
BUILDING DOWNSPOUT AND CLEANOUT
TOP TO BE SET AT GRADE
5 LF OF 3" PVC
@ 1.0% MIN. SLOPE
IE = 10.35'

ST-9
CONSTRUCT CLEANOUT
WITH CONCRETE COLLAR
TOP TO BE SET AT GRADE
IE = 10.30'

ST-10
60 LF OF 8" PVC
@ 1.0% MINIMUM SLOPE

ST-11
CONSTRUCT CLEANOUT
WITH CONCRETE COLLAR
TOP TO BE SET AT GRADE
IE = 9.55'

ST-12
29 LF OF 8" PVC
@ 2.0% SLOPE

ST-13
BUILDING DOWNSPOUT AND CLEANOUT
TOP TO BE SET AT GRADE
8 LF OF 3" PVC
@ 1.0% MIN. SLOPE
IE = 10.35'

ST-14
BUILDING DOWNSPOUT AND CLEANOUT
TOP TO BE SET AT GRADE
24 LF OF 6" PVC
@ 1.0% MIN. SLOPE
IE = 10.35'

ST-15
CONSTRUCT CLEANOUT
WITH CONCRETE COLLAR
TOP TO BE SET AT GRADE
IE = 10.15'

ST-16
46 LF OF 8" PVC
@ 1.0% MINIMUM SLOPE

ST-17
BUILDING DOWNSPOUT AND CLEANOUT
TOP TO BE SET AT GRADE
8 LF OF 3" PVC
@ 1.0% MIN. SLOPE
IE = 10.35'

ST-18
BUILDING DOWNSPOUT AND CLEANOUT
TOP TO BE SET AT GRADE
5 LF OF 3" PVC
@ 1.0% MIN. SLOPE
IE = 10.35'

ST-19
ST-19
BIO-RETENTION AREA OUTFALL CONTROL STRUCTURE
MODIFIED FDOT TYPE "C" CATCH BASIN
PER COCONUT CREEK DETAIL 610
GRATE = 11.00' (HORIZONTAL WEIR)
IE (SE) = 8.25'
SEE OCS DETAIL ON SHEET C05.06

ST-20
28 LF OF 15" HDPE
@ 1.07% SLOPE

MAINTENANCE NOTE

- CONTRACTOR TO WET JET AND VACUUM EXISTING STRUCTURES EX-1 AND EX-2 AND CONNECTIVE CONVEYANCE PIPING.

LEGEND

EL	ELEVATION
TYP	TYPICAL
CO	CLEANOUT
IE	INVERT ELEVATION
SE	SUMP ELEVATION
×49.58	EXISTING ELEVATION
	DITCH BOTTOM INLET
	CURB INLET
FFE	FINISH FLOOR ELEVATION
RCP	REINFORCED CONCRETE PIPE
ST-23	STORM SEWER STRUCTURE NUMBER
DS	BUILDING DOWN SPOUT
	12" OR GREATER STORMWATER PIPE
	LESS THAN 12" STORMWATER PIPE
	DIRECTION OF PIPE FLOW
29	EXISTING CONTOUR
29	PROPOSED CONTOUR

CONTROL BENCHMARKS

BENCHMARKS:
CONTROL BENCHMARK:
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EROSION CONTROL MEASURE NOTE

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PAVING AND GRADING GENERAL NOTES

1. SEE GENERAL NOTES SHEET FOR EROSION AND SILTATION CONTROL ALONG WITH GENERAL NOTES.
2. SEE SITE PLAN SHEET FOR SITE DATA.
3. SEE SURVEY FOR TEMPORARY BENCH MARK (TBM) LOCATIONS.
4. THE CONTRACTOR SHALL MEET ALL REQUIREMENTS FOR LOCAL MUNICIPALITY AND THE DEPARTMENT OF TRANSPORTATION WITH REGARD TO IMPROVEMENTS WITHIN THEIR RESPECTIVE RIGHTS-OF-WAY.
5. ALL DISTURBED AREAS WITHIN RIGHTS-OF-WAY TO BE RETURNED TO MATCH EXISTING CONDITION.
6. ALL CLEANOUT TOP ELEVATION SHALL MATCH FINISH GRADE ELEVATIONS.
7. CONTRACTOR SHALL INSTALL EROSION CONTROL SILT FENCE AROUND THE PERIMETER OF THE SITE AND MUST MAINTAIN THE SILT FENCE IN GOOD REPAIR UNTIL ALL CONSTRUCTION IS COMPLETE AND THE AREA IS STABILIZED.
8. THE CONTRACTOR SHALL CONTACT THE ENGINEER PRIOR TO ANY CONSTRUCTION IF ANY PROBLEMS OR DISCREPANCIES EXIST.

SCALE

0 ' 20' 40 ' 60 '

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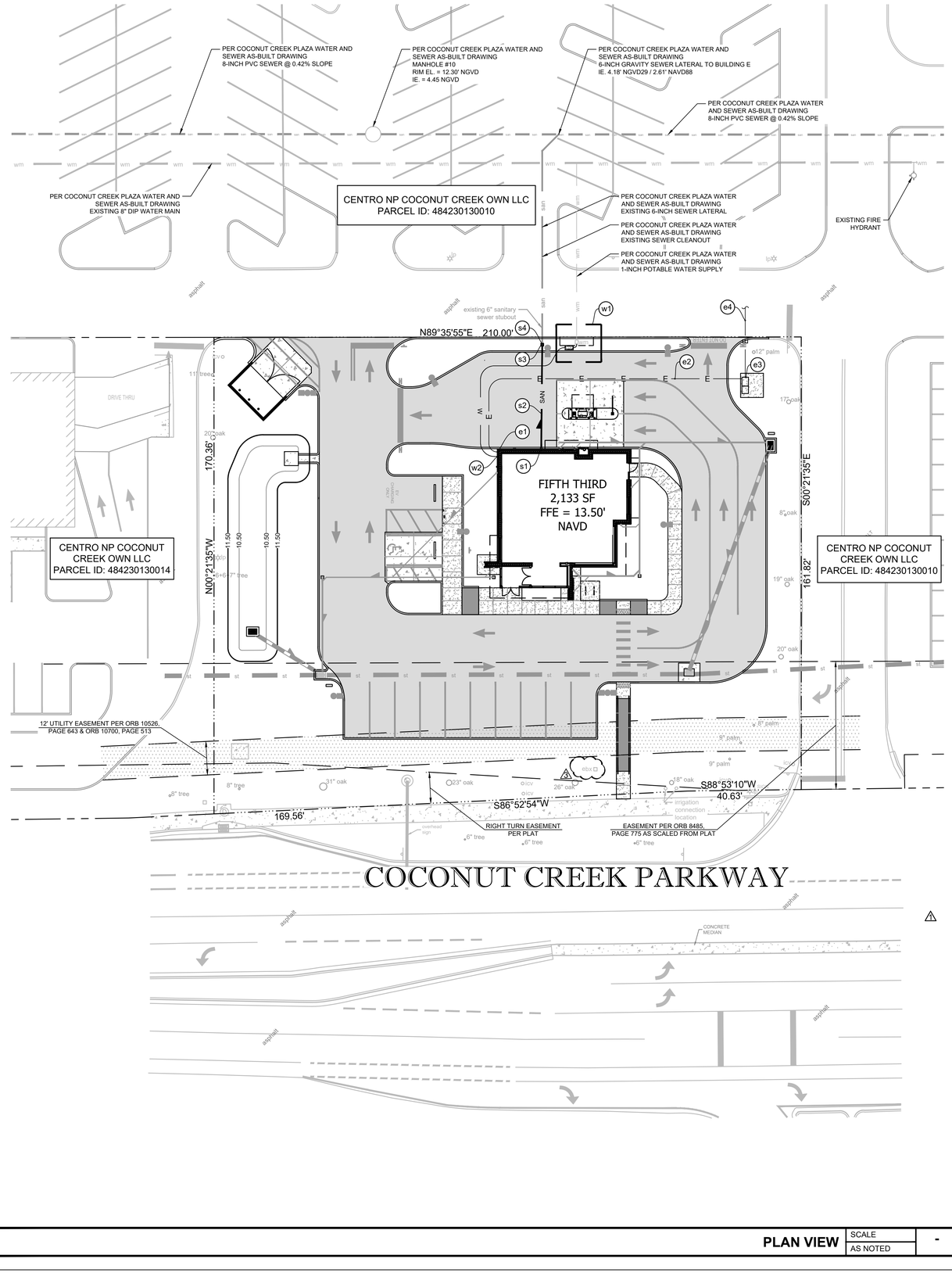
JOB #	230649
DATE:	09/05/24
DRAWN BY:	IEG
CHECKED BY:	IEG

SHEET TITLE

STORM PIPING PLAN

SHEET NUMBER

C03.02



PLAN VIEW | SCALE: AS NOTED | -

UTILITY SYSTEM DATA

	WATER
w1	SEE SERVICE CONNECTION DETAIL, THIS SHEET.
w2	65 LF - 1" POLY PIPE WATER SERVICE LATERAL
w3	POINT OF CONNECTION TO BUILDING WATER MANIFOLD
	SANITARY
s1	4-INCH SEWER STUBOUT FROM BUILDING (BY PLUMBING CONTRACTOR). INSTALL 4"X6" INCREASER. CONSTRUCT WASTE WATER SERVICE CLEANOUT PER CITY OF COCONUT CREEK DETAIL 411. SEE COCONUT CREEK DETAILS, SHEET C05.05. IE. 8.85' WITH 45° BEND CONNECTED TO S2.
s2	37 LF - 6" SDR26 @ 10.0% SLOPE MAX
s3	CONSTRUCT SEWER CLEAN OUT - IE. 3.40'
s4	CONTRACTOR TO TIE INTO EXISTING SANITARY SEWER SERVICE LATERAL/STUBOUT. APPROXIMATE IE. 3.40' PER COCONUT CREEK PLAZA AS-BUILT DRAWINGS. INSTALL WASTEWATER SERVICE CLEANOUT PER CITY OF COCONUT CREEK DETAIL 411. SEE DETAILS, SHEET C05.05. TOP EL. 12.85'. CONTRACTOR TO FIELD VERIFY LOCATION AND INVERT OF STUBOUT PRIOR TO CONSTRUCTION. NOTIFY ENGINEER OF RECORD IF THERE ARE ANY DISCREPANCIES.
	ELECTRIC
e1	MAIN ELECTRIC SERVICE ENTRANCE & DISCONNECT (SEE ARCHITECTURAL PLANS)
e2	UNDERGROUND SECONDARY ELECTRICAL SERVICE. (GC SHALL COORDINATE WITH UTILITY PROVIDER FOR RESPONSIBILITY AND CONSTRUCTION REQUIREMENTS)
e3	NEW PAD MOUNTED TRANSFORMER. SEE ELECTRICAL PLANS. (GC SHALL COORDINATE WITH POWER PROVIDER FOR RESPONSIBILITY AND CONSTRUCTION REQUIREMENTS)
e4	UNDERGROUND PRIMARY ELECTRICAL SERVICE. (GC SHALL COORDINATE WITH POWER PROVIDER FOR RESPONSIBILITY AND CONSTRUCTION REQUIREMENTS)

FIRE FLOW CALCULATIONS

- NOTE: PLAN HAS BEEN PROVIDED PER THE FLORIDA FIRE PREVENTION CODE, 8TH EDITION.
- CONSTRUCTION TYPE: VB (PER FBC 7TH EDITION (2020) - TABLE 601)
- MAXIMUM FIRE FLOW REQUIRED: 1,500 GPM FOR 2 HOURS

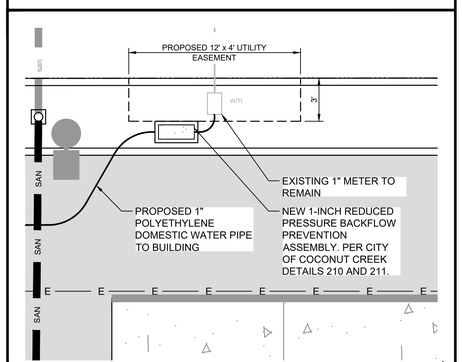
LEGEND

TYP	TYPICAL
H/C	HANDICAP
R	RADIUS
R/W	RIGHT-OF-WAY
	PROPOSED CONCRETE 6" OR LESS
	PROPOSED CONCRETE GREATER THAN 6"
	PROPERTY LINE
SAN	PROPOSED SANITARY SERVICE
GW	PROPOSED GREASE WASTE
FM	PROPOSED FORCE MAIN
W	PROPOSED WATER MAIN
FIRE	PROPOSED FIRE MAIN
E	PROPOSED ELECTRIC SERVICE
GAS	PROPOSED GAS SERVICE
TEL	PROPOSED TELEPHONE SERVICE
san	EXISTING SANITARY PIPE
wm	EXISTING WATER PIPE
rw	EXISTING RECLAIM WATER PIPE
ue	EXISTING UNDERGROUND POWER
oh	EXISTING OVERHEAD WIRE
gas	EXISTING GAS LINE
tel	EXISTING TELEPHONE LINE

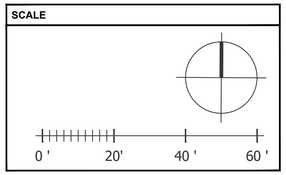
UTILITY NOTES

1. CONTRACTOR TO VERIFY THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES WITHIN THE LIMITS OF CONSTRUCTION AND ADVISE THE ENGINEER OF RECORD OF ANY CONFLICTS IMMEDIATELY.
2. CONTRACTOR SHALL NOTIFY AND COORDINATE WATER SERVICE WITH LOCAL MUNICIPALITIES UTILITIES DEPARTMENT.
3. CONTRACTOR SHALL NOTIFY AND COORDINATE SEWER SERVICE WITH LOCAL MUNICIPALITIES UTILITIES DEPARTMENT.
4. CONTRACTOR TO COORDINATE INSTALLATION OF ELECTRICAL POWER SERVICE WITH LOCAL ELECTRIC COMPANY.
5. CONTRACTOR TO INSTALL PVC CONDUIT FOR TELEPHONE SERVICE (TO PROPERTY LINE) AND COORDINATE INSTALLATION OF SERVICE WITH TELEPHONE OPERATIONS.
6. SEE SURVEY FOR LOCATION OF OTHER EXISTING UTILITIES.
7. SEE CIVIL SPECIFICATIONS AND REFERENCE DRAWING SHEETS FOR ADDITIONAL UTILITY NOTES.
8. ALL ON-SITE PVC WATER SERVICE AFTER METER SHALL BE SCHEDULE 80 OR PRESSURE RATED HDPE (POLY PIPE).
9. ALL CROSSINGS OF WATER AND SEWER LINES MUST MAINTAIN PROPER CLEARANCE (SEE CIVIL SPECIFICATIONS AND REFERENCE DRAWING SHEETS).
10. CONTRACTOR IS RESPONSIBLE FOR COMPLYING TO THE SPECIFICATIONS OF THE CITY/TOWNS STANDARD CONSTRUCTION AND UTILITY REQUIREMENTS.
11. TREES SHALL NOT BE PLANTED WITHIN 10 FEET FROM THE WATER MAIN.
12. ALL CLEANOUT TOP ELEVATION SHALL MATCH FINISH GRADE ELEVATIONS.

SERVICE CONNECTION DETAIL — SCALE: 1" = 5'



SCALE



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SHEET TITLE

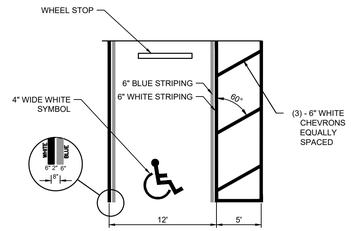
UTILITY PLAN

SHEET NUMBER

C04.01

FIFTH THIRD BANK
COCONUT CREEK

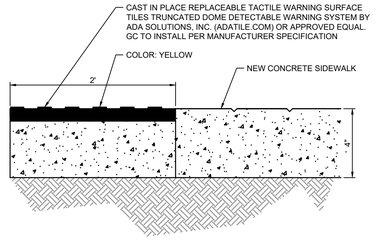
4805 COCONUT CREEK PARKWAY
COCONUT CREEK, FLORIDA 33063



NOTE: DIMENSIONS ARE MEASURED FROM THE CENTER OF WHITE STRIPES

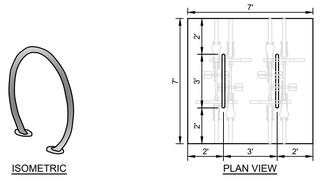
TYPICAL ACCESSIBLE PARKING STRIPING

SCALE	
NTS	1



DETECTABLE WARNING

SCALE	
NTS	2



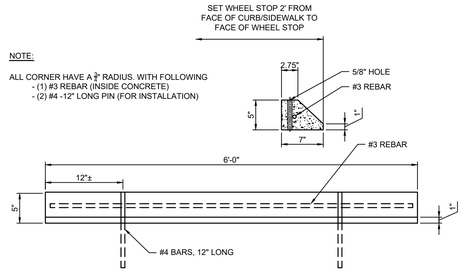
ISOMETRIC PLAN VIEW

NOTES:

MANUFACTURE:	WAUSAU TILE INC. BRAND
PRODUCT #:	MF9024
SIZE:	36" x 32.5" H
WEIGHT:	81 LB
FINISH:	ALUMINUM
FEATURES:	CIRCLE BIKE RACK
MOUNTING:	SURFACE MOUNT (ASSEMBLY REQUIRED)

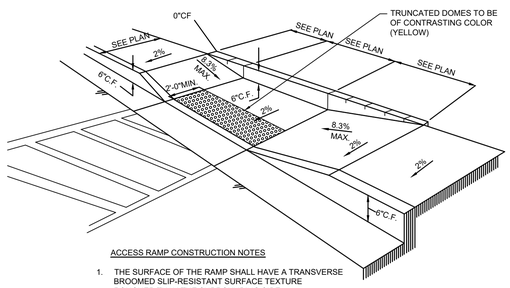
BICYCLE RACK

SCALE	
NTS	3



WHEEL STOP DETAIL

SCALE	
NTS	4



ACCESS RAMP CONSTRUCTION NOTES

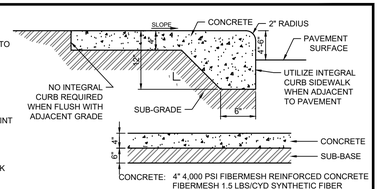
1. THE SURFACE OF THE RAMP SHALL HAVE A TRANSVERSE BROOMED SLIP-RESISTANT SURFACE TEXTURE ROUGHER THAN THE SURROUNDING SIDE
2. RAMP CONSTRUCTION SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL CODES AND REGULATIONS.

TYPICAL ADA RAMP

SCALE	
NTS	5

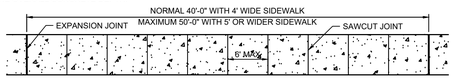
NOTES:

1. SIDEWALK EXPANSION JOINTS TO BE AT ALL TIES TO CONCRETE OTHER THAN DRIVEWAYS. MAXIMUM SPACING SHALL BE 50-FOOT.
2. EXPANSION JOINT MATERIAL SHALL BE ASPHALT FIBER IMPREGNATED PREFORMED JOINT FILLER, TO FULL DEPTH OF CONCRETE.
3. ALL SIDE WALKS SHALL BE CONSTRUCTED OF 4 INCH THICK 4,000 PSI PORT LAND CEMENT CONCRETE AND SHALL BE INSTALLED OVER COMPACTED SUB-GRADE.
4. CONTROL JOINT MUST BE PERFORMED WITHIN 12 HOURS OF CONCRETE PLACEMENT DO A DEPTH NO LESS THAN 1/4-INCH THE OVERALL CONCRETE DEPTH.



CONCRETE: 4" 4,000 PSI FIBERMESH REINFORCED CONCRETE FIBERMESH 1.5 LBS/CYD SYNTHETIC FIBER

SUB-GRADE: 6 INCH COMPACTED SUB-GRADE TO 95% MIN. PER ASTM D1557

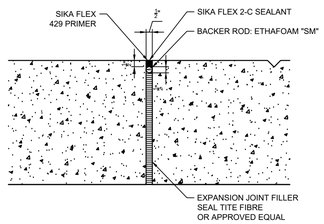


SIDEWALK

SCALE	
NTS	6

NOTES:

1. SIDEWALK EXPANSION JOINTS TO BE AT ALL TIES TO CONCRETE OTHER THAN DRIVEWAYS. MAXIMUM SPACING SHALL BE 50-FOOT.
2. EXPANSION JOINT MATERIAL SHALL BE ASPHALT FIBER IMPREGNATED PREFORMED JOINT FILLER, TO FULL DEPTH OF CONCRETE.

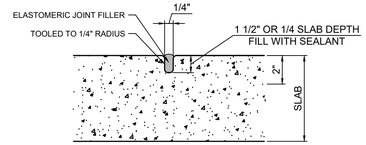


EXPANSION JOINT

SCALE	
NTS	7

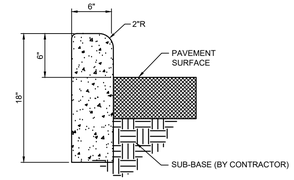
NOTES:

1. CONTROL JOINT MUST BE PERFORMED WITHIN 12 HOURS OF CONCRETE PLACEMENT DO A DEPTH NO LESS THAN 1/4-INCH THE OVERALL CONCRETE DEPTH.



SAWCUT CONTROL JOINT

SCALE	
NTS	8

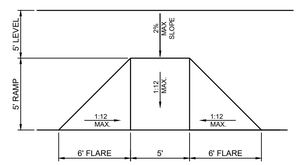


NOTE:

TRANSVERSE JOINTS SHALL BE 1/2" FULD DEPTH ASPHALT IMPREGNATED FIBER EXP. JOINT RECESSED 1/4" IN FROM THE FRONT FACE AND TOP OF THE CURB @ 20'-0" MAXIMUM.

6" X 18" VERTICAL CURB

SCALE	
NTS	9

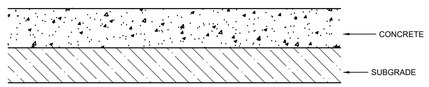


ACCESS RAMP CONSTRUCTION NOTES

1. THE SURFACE OF THE RAMP SHALL HAVE A TRANSVERSE BROOMED SLIP-RESISTANT SURFACE TEXTURE ROUGHER THAN THE SURROUNDING SIDE
2. RAMP CONSTRUCTION SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL CODES AND REGULATIONS.

FLARE RAMP

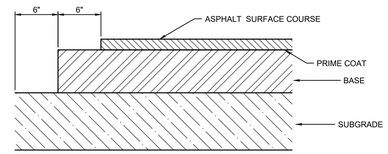
SCALE	
NTS	10



CONCRETE	6-INCH THICKNESS 4,000 PSI 6"X6" W 1.4XW 1.4 WWF OR FIBERMESH 1.5 LBS/CYD SYNTHETIC FIBER
SUB-GRADE	12-INCH COMPACTED SUB-GRADE LBR 40 COMPACTED TO 98% AASHTO T-180
BLACK TINT NOTE	ACCESSIBLE PARKING AREAS ARE TO RECEIVE BLACK TINT ADDITIVE LAMBERT CORPORATION DEEP BLACK - 3% TINT

CONCRETE PAVEMENT

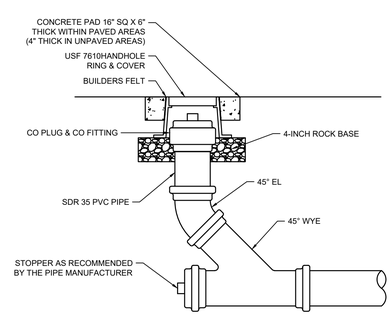
SCALE	
NTS	11



ASPHALT	2-INCH FDOT SUPERPAVE SP-9.5 STRUCTURAL BASE COURSE
BASE	8-INCH CRUSHED LIMEROCK WITH MINIMUM LBR OF 100, COMPACTED TO 98% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY
SUB-GRADE	STABILIZED SUB-GRADE (SUB-BASE) FILL WITH A MINIMUM LBR OF 40 COMPACTED TO 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY

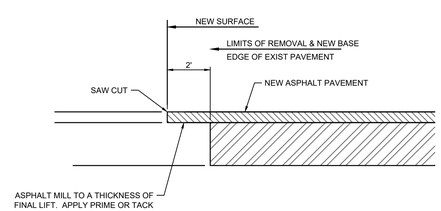
ASPHALT PAVEMENT

SCALE	
NTS	12



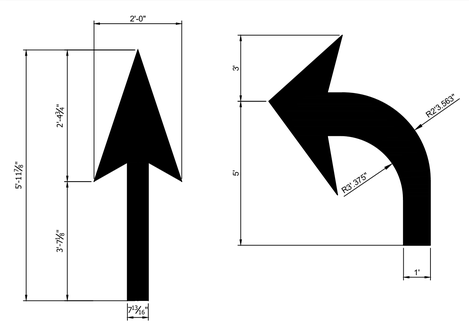
CLEANOUT

SCALE	
NTS	13



EXISTING ASPHALT PAVEMENT CONNECTION

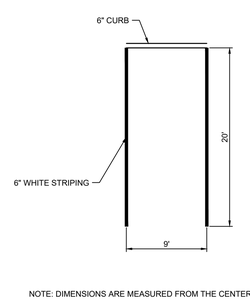
SCALE	
NTS	14



NOTE: STRIPES TO BE "WHITE" PAINTED

DIRECTIONAL LOT ARROW DETAIL

SCALE	
NTS	15



NOTE: DIMENSIONS ARE MEASURED FROM THE CENTER OF WHITE STRIPES

TYPICAL STANDARD PARKING DETAIL

SCALE	
NTS	16

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FL Cert. of Auth. No 27889

IEG JOB NO. 15-328.00

SEAL

NISIT SAPPARKHAO, P.E.
FL REG. NO. 64085

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ISSUE	BY	DATE	DESCRIPTION
		09/05/24	PERMIT SET
1		12/20/24	DRC COMMENTS #1

PROJECT INFORMATION BLOCK

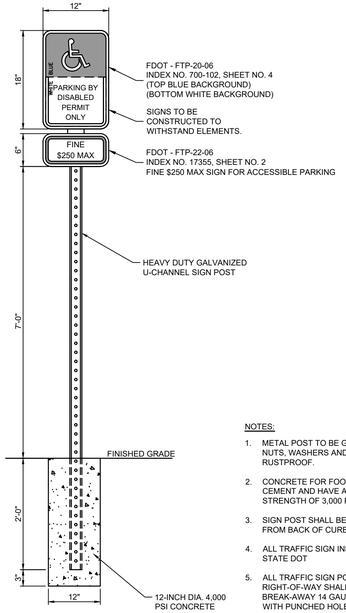
JOB #	230649
DATE:	09/05/24
DRAWN BY:	IEG
CHECKED BY:	IEG

SHEET TITLE

DETAILS

SHEET NUMBER

C05.01

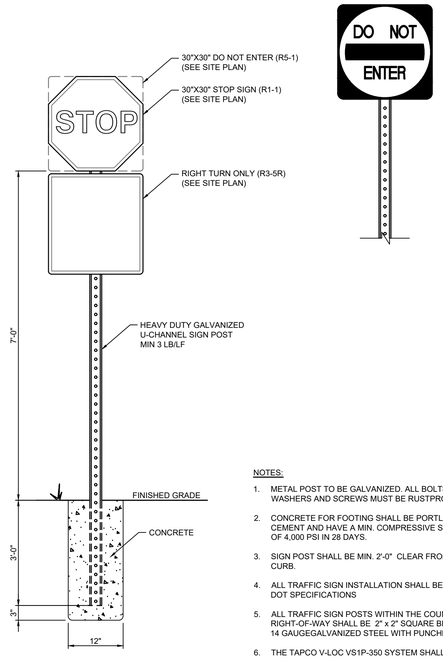


NOTES:

1. METAL POST TO BE GALVANIZED ALL BOLTS, NUTS, WASHERS AND SCREWS MUST BE RUSTPROOF.
2. CONCRETE FOR FOOTING SHALL BE PORTLAND CEMENT AND HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI IN 28 DAYS.
3. SIGN POST SHALL BE MINIMUM 2-FOOT CLEAR FROM BACK OF CURB.
4. ALL TRAFFIC SIGN INSTALLATION SHALL BE PER STATE DOT
5. ALL TRAFFIC SIGN POSTS WITHIN THE COUNTY RIGHT-OF-WAY SHALL BE 2" x 2" SQUARE BREAK-AWAY 14 GAUGE GALVANIZED STEEL WITH PUNCHED HOLES.
6. THE TAPCO V-LOC VS1P-350 SYSTEM SHALL BE EMPLOYED WHERE SIGN POSTS ARE INSTALLED IN PAVED AREAS.

ACCESSIBLE PARKING SIGN

SCALE	
NTS	1

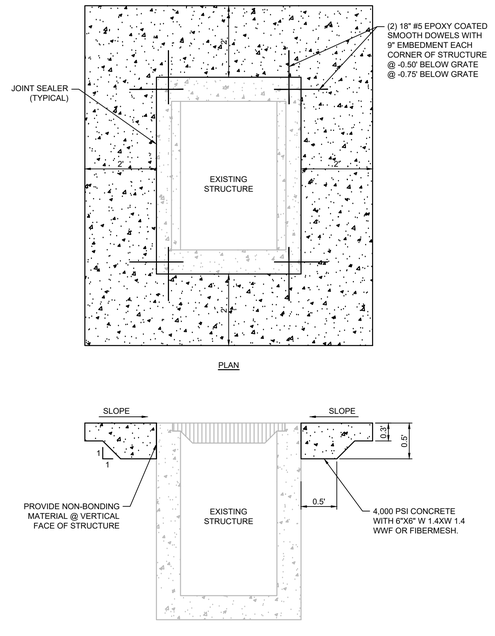


NOTES:

1. METAL POST TO BE GALVANIZED. ALL BOLTS, NUTS, WASHERS AND SCREWS MUST BE RUSTPROOF.
2. CONCRETE FOR FOOTING SHALL BE PORTLAND CEMENT AND HAVE A MIN. COMPRESSIVE STRENGTH OF 4,000 PSI IN 28 DAYS.
3. SIGN POST SHALL BE MIN. 2'-0" CLEAR FROM BACK OF CURB.
4. ALL TRAFFIC SIGN INSTALLATION SHALL BE PER STATE DOT SPECIFICATIONS
5. ALL TRAFFIC SIGN POSTS WITHIN THE COUNTY RIGHT-OF-WAY SHALL BE 2" x 2" SQUARE BREAK-AWAY 14 GAUGEGALVANIZED STEEL WITH PUNCHED HOLES.
6. THE TAPCO V-LOC VS1P-350 SYSTEM SHALL BE EMPLOYED WHERE SIGN POSTS ARE INSTALLED IN PAVED AREAS.

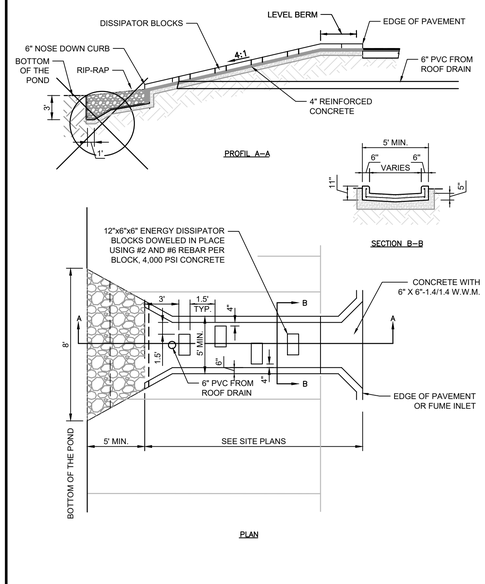
MUTCD SIGN(S)

SCALE	
NTS	2



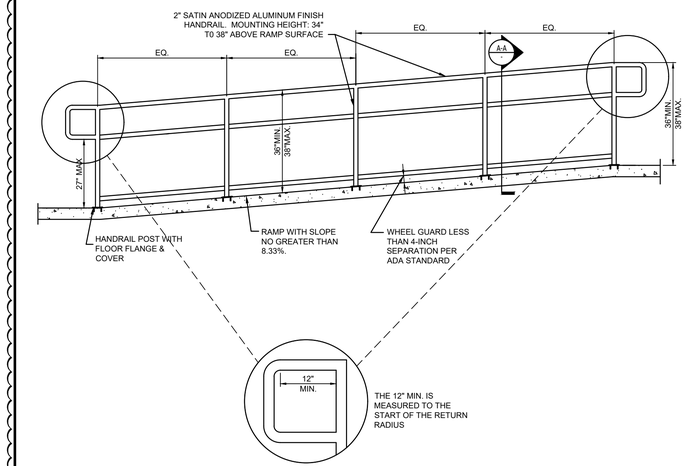
2' CONCRETE COLLAR

SCALE	
NTS	3



TYPICAL FLUME DETAIL

SCALE	
NTS	4





SECTION A-A

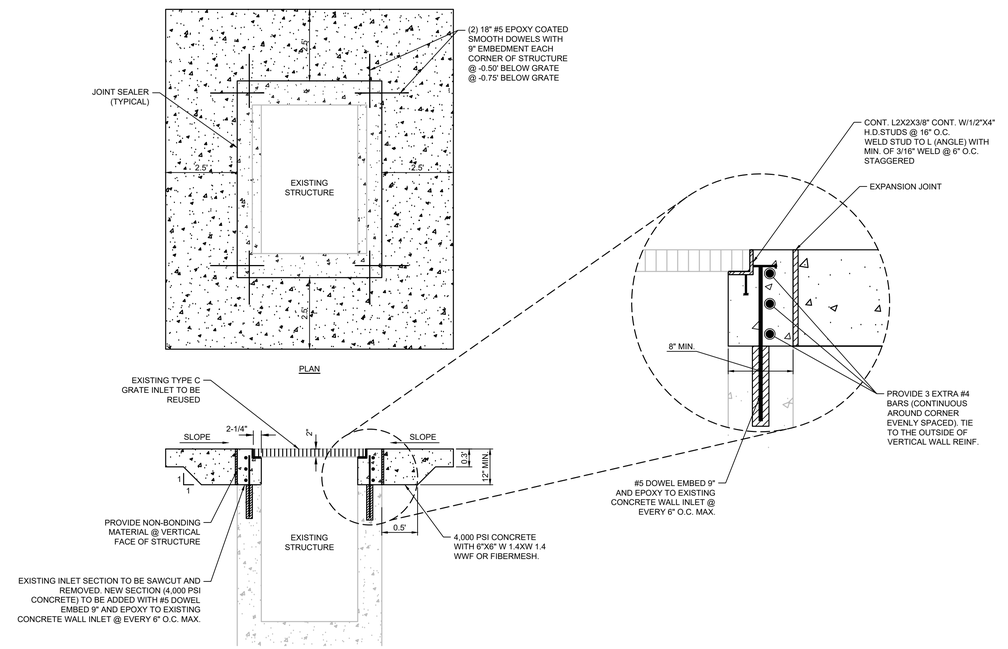
HANDRAIL AND POST SPECIFICATIONS

CONTRACTOR TO PROVIDE RAILING PRODUCTS FROM BLUMCRAFT OF PITTSBURGH: A DIVISION OF C.R. LAURENCE Co. (OR APPROVED EQUAL)

1. POST SUPPORTED HANDRAIL: MODEL No. "537SA" 2-INCH.
2. POST: MODEL No. "PCNSPN1C" ALUMINUM POST.
3. FINISH: SATIN ANODIZED.

EXTERIOR HANDRAIL STANDARDS

SCALE	
NTS	5



2.5' CONCRETE COLLAR / MODIFIED STORM STRUCTURE

SCALE	
NTS	6

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ISSUE	BY	DATE	DESCRIPTION
		09/05/24	PERMIT SET
1		12/20/24	DRC COMMENTS #1
2		06/25/25	DRC ROUND 4

PROJECT INFORMATION BLOCK

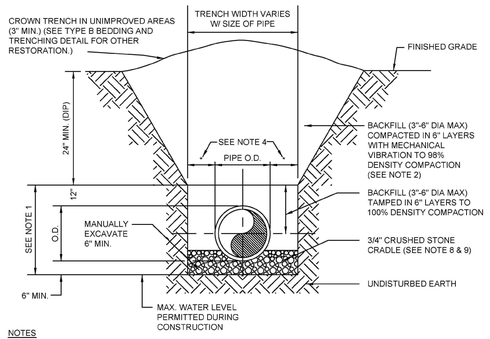
JOB #	230649
DATE:	09/05/24
DRAWN BY:	IEG
CHECKED BY:	IEG

SHEET TITLE

DETAILS

SHEET NUMBER

C05.02



NOTES

1. PIPE BEDDING: SELECT COMMON FILL COMPACTED TO 98% OF THE MAXIMUM DENSITY AS PER AASHTO T-99-C.
2. TRENCH BACKFILL: COMMON FILL COMPACTED TO 98% OF THE MAXIMUM DENSITY AS PER AASHTO T-99-C.
3. BEDDING TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE CITY OF COCONUT CREEK.
4. (*): 15" MAX. FOR PIPE DIAMETER LESS THAN 24", AND 24" MAX. FOR PIPE DIAMETER 24" AND LARGER.
5. WATER SHALL NOT BE PERMITTED IN THE TRENCH DURING CONSTRUCTION.
6. ALL PIPE TO BE INSTALLED WITH BELL FACING UPSTREAM TO THE DIRECTION OF THE FLOW.
7. REFER TO SECTION 2.18-E OF THE MANUAL FOR SHEETING AND BRACING IN EXCAVATIONS.
8. GRAVITY SEWERS SHALL UTILIZE BEDDING, IF REQUIRED BY THE CITY. BEDDING DEPTH SHALL BE 6" MINIMUM FOR ANY DIAMETER PIPE.
9. DEPTH FOR REMOVAL OF UNSUITABLE MATERIAL SHALL GOVERN DEPTH OF BEDDING ROCK BELOW THE PIPE. ENGINEER OF RECORD SHALL DETERMINE, AND CERTIFY IN THE FIELD, REQUIRED REMOVAL OF UNSUITABLE MATERIAL TO REACH SUITABLE FOUNDATION.

N.T.S

UTILITIES & ENGINEERING DEPARTMENT
5295 JOHNSON ROAD
COCONUT CREEK, FL 33073
TEL NO: 954-973-6786
FAX NO: 954-571-4146
www.coconutcreek.net

PIPE BEDDING

STANDARD DETAILS | DWG. NO. 101
DATE: APRIL 2025

UTILITY SEPARATION IN ACCORDANCE WITH F.A.C. RULE 62-555.314

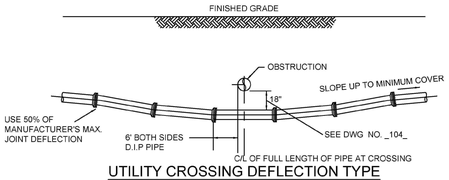
OTHER PIPE	HORIZONTAL SEPARATION	CROSSINGS (1) (4)	JOINT SPACING @ CROSSINGS (FULL JOINT CENTERED)
STORM SEWER, STORM WATER FORCE MAIN, RECLAIMED WATER (2)	Water Main — 3 ft. minimum	Water Main — 12 inches is the minimum, except for storm sewer, then 6 inches is the minimum and 12 inches is preferred	Alternate 3 ft. minimum — Water Main
VACUUM SANITARY SEWER	Water Main — 10 ft. preferred, 3 ft. minimum	Water Main — 12 inches preferred, 6 inches min	Alternate 3 ft. minimum — Water Main
GRAVITY SANITARY SEWER,(3) SANITARY SEWER FORCE MAIN, RECLAIMED WATER	Water Main — 10 ft. preferred, 6 ft. minimum	Water Main — 12 inches is the minimum, except for gravity sewer, then 6 inches is the minimum and 12 inches is preferred	Alternate 6 ft. minimum — Water Main
ON-SITE SEWAGE TREATMENT & DISPOSAL SYSTEM	10 ft. minimum	—	—

1. WATER MAIN SHOULD CROSS ABOVE OTHER PIPE. WHEN WATER MAIN MUST BE BELOW OTHER PIPE, THE MINIMUM SEPARATION IS 12 INCHES.
2. RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.
3. 3 FT. FOR GRAVITY SANITARY SEWER WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST 6 INCHES ABOVE THE TOP OF THE GRAVITY SANITARY SEWER.
4. **18" VERTICAL MINIMUM SEPARATION REQUIRED BY CITY, UNLESS OTHERWISE APPROVED.**

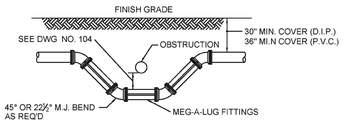
UTILITIES & ENGINEERING DEPARTMENT
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COCONUT CREEK, FL 33073
TEL NO: 954-973-6786
FAX NO: 954-571-4146
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UTILITY SEPARATION

STANDARD DETAILS | DWG. NO. 104
DATE: APRIL 2025



UTILITY CROSSING DEFLECTION TYPE



UTILITY CROSSING FITTING TYPE

NOTE: USE DEFLECTION TYPE PIPE

N.T.S

UTILITIES & ENGINEERING DEPARTMENT
5295 JOHNSON ROAD
COCONUT CREEK, FL 33073
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UTILITY CROSSING DEFLECTION INSTALLATION

STANDARD DETAILS | DWG. NO. 105
DATE: APRIL 2025

NOTES

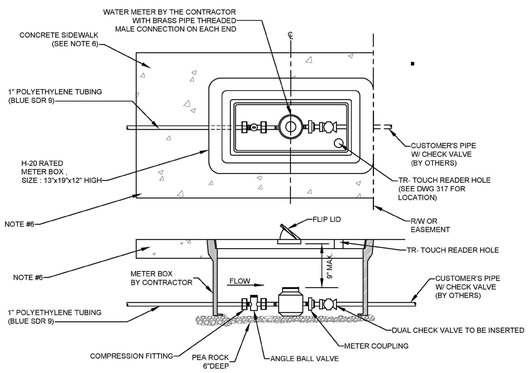
1. A WATER MAIN SHOULD CROSS OVER PIPES WHEREVER POSSIBLE MAINTAINING 30" COVER FOR D.I.P. AND 18" SEPARATION AS MINIMUM.
2. WHEREVER A WATER MAIN CROSSES UNDER A SEWER MAIN, OR CROSSES OVER WITH LESS THAN 12" VERTICAL SEPARATION, THEN D.I.P. SHALL BE USED FOR BOTH PIPES FOR A DISTANCE OF 20' CENTERED ON CROSSING WITH NO JOINTS WITHIN 10' OF THE CROSSING.
3. MAINTAIN 10' HORIZONTAL SEPARATION BETWEEN WATER AND SEWER AS A MINIMUM.
4. 4' HORIZONTAL CLEARANCE SHALL BE PROVIDED BETWEEN UTILITIES AND ANY OBSTRUCTIONS (CATCH BASINS, CONCRETE POLES, ETC.)
5. 12" HORIZONTAL CLEARANCE SHALL BE PROVIDED BETWEEN UTILITIES AND TREES.
6. 18" MINIMUM CLEARANCE REQUIRED FOR WATER AND SEWER MAIN CROSSINGS, 12" MINIMUM CLEARANCE REQUIRED FOR OTHER UTILITY CROSSINGS. USE OF DIP REQUIRED FOR ANY SEPARATION LESS THAN 12"
7. CONSTRUCT CROSSING USING 50% OF MANUFACTURER'S MAXIMUM JOINT DEFLECTION (MAXIMUM).'
8. COAT TIE RODS WITH A COAL TAR ENAMEL AFTER ASSEMBLY (2 COATS MIN.)
9. TIE RODS MAY BE OMITTED WHEN OTHER APPROVED METHODS OF RESTRAINING ARE UTILIZED.

N.T.S

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FAX NO: 954-571-4146
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UTILITY CROSSING GENERAL REQUIREMENT

STANDARD DETAILS | DWG. NO. 106
DATE: January 2024



NOTES:

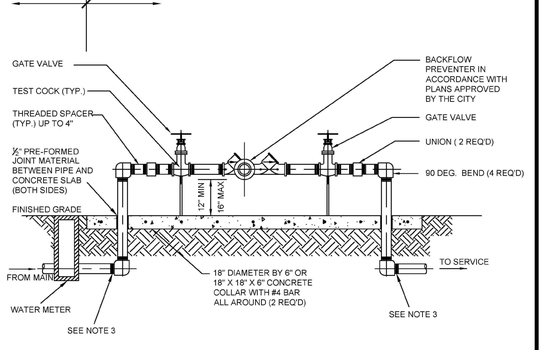
1. ALL METER BOXES TO BE TRAFFIC BEARING TYPE, FURNISHED AND INSTALLED BY THE CONTRACTOR.
2. R/W LINE OR EASEMENT LINE IS THE CUSTOMER'S SIDE OF METER BOX.
3. THE CITY RESPONSIBILITY ENDS AT THE CUSTOMER'S SIDE OF METER.
4. CURVE IN SERVICE LINE SHALL BE AS CLOSE TO THE METER BOX AS PRACTICAL,WITH A MINIMUM RADIUS OF 14" FOR 1" TUBING.
5. METER HAS IRON PIPE THREAD MALE CONNECTION ON EACH END.
6. WHEN SIDEWALKS ARE PRESENT, OR PLANNED FOR IN THE R/W, THE BACK EDGE OF THE METER BOX SHALL BE PARALLEL WITH THE BACK EDGE OF THE SIDEWALK.
7. METER SHALL BE CENTERED IN THE BOX DIRECTLY UNDER THE ACCESS LID.

N.T.S

UTILITIES & ENGINEERING DEPARTMENT
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COCONUT CREEK, FL 33073
TEL NO: 954-973-6786
FAX NO: 954-571-4146
www.coconutcreek.net

INSTALLATION FOR 5/8" X 3/4" & 1" WATER METER

STANDARD DETAILS | DWG. NO. 207
DATE: APRIL 2025



NOTES

1. ALL PIPE AND FITTINGS 4" AND SMALLER SHALL BE THREADED BRASS, AS SHOWN.
2. ALL PIPE FITTINGS LARGER THAN 4" SHALL BE CEMENT-LINED DUCTILE IRON WITH FLANGED FITTINGS FOR ABOVE GROUND USE. MECHANICAL JOINT FITTINGS SHALL BE USED UNDERGROUND WITH RESTRAINED JOINTS AND THRUST COLLARS.
3. M.J. RESTRAINT ON ALL UNDERGROUND DUCTILE IRON PIPING (4" AND LARGER) SHALL BE USED.
4. PAINT ALL ABOVEGROUND DUCTILE PIPING, FITTINGS AND VALVES WITH TRUE BLUE/SAFETY (11SF) BY TNEMEC CORP.

N.T.S

UTILITIES & ENGINEERING DEPARTMENT
5295 JOHNSON ROAD
COCONUT CREEK, FL 33073
TEL NO: 954-973-6786
FAX NO: 954-571-4146
www.coconutcreek.net

REDUCED PRESSURE BACKFLOW PREVENTION ASSEMBLY

STANDARD DETAILS | DWG. NO. 210
DATE: APRIL 2025

GENERAL BACKFLOW NOTES

1. THE TYPE OF BACKFLOW PREVENTION ASSEMBLY TO BE INSTALLED AT ANY GIVEN LOCATION WILL BE DETERMINED AT THE BUILDING PLAN REVIEW, IN ACCORDANCE WITH THE GUIDELINES OF AMERICAN WATER WORKS ASSOCIATION. INSTALLATION OF BACKFLOW PREVENTION ASSEMBLIES ON THE NEW CONSTRUCTION SHALL BE ACCOMPLISHED AT TIME OF METER INSTALLATION.
2. ALL BACKFLOW PREVENTION ASSEMBLIES SHALL BE INSTALLED ON THE HOUSE SIDE OF AND IMMEDIATELY AFTER THE WATER METER, VARIANCES TO THIS RULE WILL BE GRANTED ONLY BY THE CITY ENGINEER OR THEIR DESIGNATED REPRESENTATIVE.
3. ON THE SERVICE LINE THERE SHALL BE NO OUTLET, TEE, TAP, OR CONNECTION OF ANY SORT TO OR FROM THE SUPPLY PIPE LINE BETWEEN THE METER AND THE PROTECTIVE ASSEMBLY.
4. ALL REDUCED PRESSURE ASSEMBLIES SHALL CONFORM TO AWWA STANDARD C511, LATEST REVISION.
5. DETECTOR REDUCED PRESSURE ZONE (RPZ) ASSEMBLIES SHALL CONFORM TO AWWA STANDARD 1048, LATEST REVISION.
6. PRESSURE VACUUM BREAKER ASSEMBLIES SHALL CONFORM TO ASSE STANDARD 1020, LATEST REVISION.
7. DUAL CHECK VALVE ASSEMBLIES SHALL CONFORM TO ASSE STANDARD 1024, LATEST REVISION.
8. DUAL CHECK VALVE ASSEMBLIES SHALL BE INSTALLED IN THE METER BOX ON THE DOWNSTREAM SIDE OF ALL ¾" X ¾" AND 1" METERS FOR NEW SINGLE FAMILY SERVICES. ALL BACKFLOW PREVENTER ASSEMBLIES SHALL BE INSTALLED BY OWNER'S PLUMBER WHO MUST HAVE A CITY OF COCONUT CREEK BUILDING DEPARTMENT PERMIT AND CERTIFICATION.
9. ALL PERMANENT INSTALLATIONS, OTHER THAN THE DUAL CHECK VALVE SHALL HAVE A MINIMUM OF 12" VERTICAL CLEARANCE ON THE TESTING SIDE OF THE ASSEMBLY, AND 12" ON THE OPPOSITE SIDE, FROM ANY WALL OR STRUCTURE, TO FACILITATE TESTING, MAINTENANCE, OR REMOVAL.
10. NO TREES, SHRUBS, BUSHES, ETC., SHALL BE PLANTED WITHIN 3' OF ANY BACKFLOW PREVENTION ASSEMBLY. BRANCHES OR LIMBS OF NEARBY PLANTINGS WILL NOT BE ALLOWED TO GROW WITHIN THREE (3) FEET OF ANY BACKFLOW PREVENTION ASSEMBLY.
11. DIMENSIONS AND WEIGHTS OF VARIOUS ASSEMBLIES CAN BE OBTAINED FROM MANUFACTURE'S SPECIFICATIONS.
12. WHERE MORE THAN ONE METER IS REQUIRED FOR SERVICE, A BACKFLOW PREVENTION ASSEMBLY SHALL BE REQUIRED FOR EACH METER.
13. INSTALLATION SHALL BE IN ACCORDANCE WITH FLORIDA BUILDING CODE'S LATEST EDITION, MANUFACTURER'S RECOMMENDED INSTALLATION INSTRUCTIONS AND/OR CITY OF COCONUT CREEK MINIMUM STANDARDS
14. ALL REDUCED PRESSURE AND DOUBLE CHECK VALVE BACKFLOW PREVENTION ASSEMBLIES SHALL BE SUPPORTED AND SECURED PROPERLY ACCORDING TO FLORIDA BUILDING CODE AND MANUFACTURES STANDARDS.
15. 4" STEEL GUARD POSTS FILLED WITH CONCRETE ARE REQUIRED WHEN AN ASSEMBLY IS WITHIN 5' OF ANY PAVED SURFACE. MULTIPLE POSTS ARE TO BE SPACED NO MORE THAN 5' APART.

N.T.S

UTILITIES & ENGINEERING DEPARTMENT
5295 JOHNSON ROAD
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GENERAL BACKFLOW NOTES

STANDARD DETAILS | DWG. NO. 211
DATE: APRIL 2025

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400 N Ashley Drive, Suite. 600
Tampa, FL 33602
P: 813 - 323 - 9233
Lic., #: AA - 0003590
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FIFTH THIRD

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COCONUT CREEK

4805 COCONUT CREEK PARKWAY
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INFINITY
INFINITY ENGINEERING GROUP, PLLC
1208 East Kennedy Boulevard
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Tampa, Florida 33602
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[f]: 813.445.4211
www.iegroup.net
FL Cert. of Auth. No 27889

IEG JOB NO. 15-328.00

SEAL

NISIT SAPPARKHAO, P.E.
FL REG. NO. 64085

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ISSUE	BY	DATE	DESCRIPTION
		09/05/24	PERMIT SET
1		12/20/24	DRC COMMENTS #1
2		06/25/25	DRC ROUND 4

PROJECT INFORMATION BLOCK

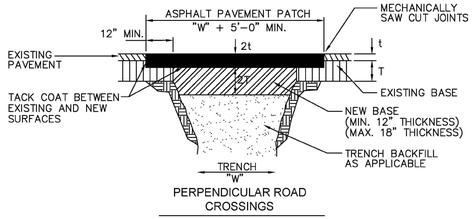
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DATE:	09/05/24
DRAWN BY:	IEG
CHECKED BY:	IEG

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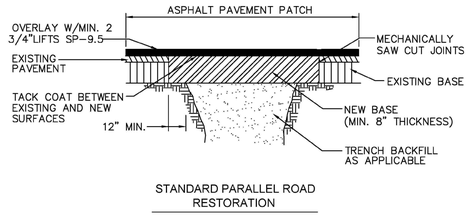
COCONUT CREEK DETAILS

SHEET NUMBER

C05.03



PERPENDICULAR ROAD CROSSINGS



STANDARD PARALLEL ROAD RESTORATION

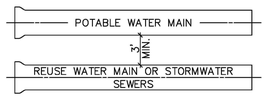
SURFACE RESTORATION

N.T.S

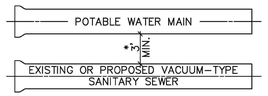
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SURFACE RESTORATION

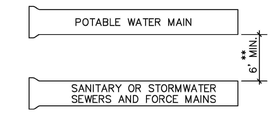
STANDARD DETAILS | DWG. NO. 308
DATE: APRIL 2025



A MINIMUM HORIZONTAL SEPARATION 3' (OUTSIDE TO OUTSIDE), SHALL BE MAINTAINED BETWEEN POTABLE WATER MAINS AND STORMWATER SEWERS, STORMWATER FORCE MAINS AND REGULATED REUSE WATER MAINS.



A MINIMUM HORIZONTAL SEPARATION 3' (OUTSIDE TO OUTSIDE), SHALL BE MAINTAINED BETWEEN EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER. *SEE NOTE D(1)(B) ON DWG 318.



A MINIMUM HORIZONTAL SEPARATION OF 6' (OUTSIDE TO OUTSIDE), SHALL BE MAINTAINED BETWEEN POTABLE WATER MAINS AND EXISTING OR PROPOSED GRAVITY-OR PRESSURE TYPE SANITARY SEWER, WASTEWATER FORCE MAIN OR NOT REGULATED REUSE WATER MAIN. ** SEE NOTE D(1)(C) ON DWG 318.

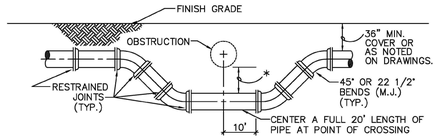
MINIMUM HORIZONTAL SEPERATION REQUIREMENTS FOR POTABLE WATER REUSE, STORMWATER AND SEWER LINES

N.T.S

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MINIMUM HORIZONTAL SEPARATION REQUIREMENTS FOR POTABLE WATER, REUSE, STORMWATER AND SEWER LINES

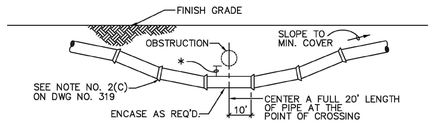
STANDARD DETAILS | DWG. NO. 316
DATE: APRIL 2025



SPECIAL UTILITY CROSSING – FITTING TYPE

* 12" MINIMUM CLEARANCE REQUIRED FOR PRESSURE TYPE SANITARY SEWER, WASTEWATER OR REUSE WATER MAIN CROSSINGS. IF MINIMUM CLEARANCE CANNOT BE OBTAINED. REFER TO "PROTECTION OF POTABLE WATER SUPPLY" FOR WATER MAIN CROSSINGS.
SEE NOTE 2(B), ON DWG NO. 319

6" MINIMUM CLEARANCE REQUIRED FOR WATER AND STORMWATER, GRAVITY SEWER MAIN CROSSINGS. SEE NOTE 2(A), ON DWG NO. 319



STANDARD UTILITY CROSSING – DEFLECTION TYPE

NOTES:
1. THE DEFLECTION TYPE CROSSING SHALL BE USED WHEREVER POSSIBLE. ONLY UNDER SPECIFIC ORDERS BY THE ENGINEER SHALL THE FITTING TYPE CROSSING BE ALLOWED.
2. CONSTRUCT STANDARD CROSSING USING NO MORE THAN 50% OF MANUFACTURERS' MAXIMUM JOINT DEFLECTION.
3. FOR POTABLE WATER MAINS, REFER TO "PROTECTION OF POTABLE WATER SUPPLY".

UTILITY CROSSINGS

N.T.S

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UTILITY CROSSINGS

STANDARD DETAILS | DWG. NO. 317
DATE: APRIL 2025

PROTECTION OF POTABLE WATER SUPPLY NOTES

A. GENERAL

IN ADDITION TO THESE REQUIREMENTS, ALL POTABLE WATER MAINS CONSTRUCTED IN THE VICINITY OF STORM SEWERS, SANITARY SEWERS OR FORCE MAINS SHALL COMPLY WITH THE APPLICABLE PROVISIONS OF FLORIDA ADMINISTRATIVE CODE CHAPTER 62-555, GREAT LAKES-UPPER MISSISSIPPI RIVER BOARD OF STATE SANITARY ENGINEERS (GLUMRB) "RECOMMENDED STANDARDS FOR WATER WORKS", AND GLUMRB "RECOMMENDED STANDARDS FOR WASTEWATER FACILITIES".

B. DEFINITIONS

FOR THE PURPOSES OF THIS SPECIFICATION, THE WORDS "OTHER PIPE" OR "OTHER PIPES" SHALL MEAN SANITARY SEWER MAIN, SEWAGE FORCE MAIN, STORMWATER MAIN OR ANY COMBINATION THEREOF.

C. CROSS CONNECTIONS PROHIBITED

THERE SHALL BE NO PHYSICAL CONNECTIONS BETWEEN A PUBLIC OR PRIVATE POTABLE WATER SUPPLY SYSTEM AND ANY OTHER PIPE OR APPURTENANCE THERETO WHICH WOULD PERMIT THE PASSAGE OF ANY WASTEWATER, POLLUTED WATER, OR ANY OTHER WATER INTO THE POTABLE SUPPLY. NO WATER PIPE SHALL PASS THROUGH OR COME INTO CONTACT WITH ANY PART OF A SANITARY SEWER M.A.S.(Maintenance Access Structure) OR STORMWATER MAS.

D. RELATION OF OTHER PIPES TO POTABLE WATER M.A.S.

1. HORIZONTAL SEPARATION

A. NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED STORM WATER, OR PIPELINE CONVEYING REUSE WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610,F.A.C.

B. NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER.

C. NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST SIX FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY-OR PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING REUSE WATER NOT REGULATED UNDER CHAPTER 62-610, F.A.C. THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY TYPE SEWERS SHALL BE REDUCED TO THREE FEET WHERE THE BOTTOM OF THE WATER IS LAID AT LEAST SIX INCHES ABOVE THE TOP OF THE SEWER.

N.T.S

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PROTECTION OF POTABLE WATER SUPPLY NOTES

STANDARD DETAILS | DWG. NO. 318
DATE: APRIL 2025

D. NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST TEN FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND ALL PARTS OF ANY EXISTING OR PROPOSED "ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEM".

2. VERTICAL SEPARATION

A. NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED GRAVITY-OR VACUUM-TYPE SANITARY SEWER OR STORM SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX INCHES, PREFERABLY 12 INCHES, ABOVE OR AT LEAST 12 INCHES BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.

B. NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER, OR PIPELINE CONVEYING REUSE WATER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 12 INCHES, ABOVE OR BELOW, THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.

C. AT THE UTILITY CROSSINGS DESCRIBED IN PARAGRAPHS (A) AND (B) ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATIVELY, AT SUCH CROSSINGS, THE PIPES SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE FEET FROM ALL JOINTS IN VACUUM-TYPE SANITARY SEWERS, STORM SEWERS, OR PIPELINES CONVEYING REUSE WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C. AND AT LEAST SIX FEET FROM ALL JOINTS IN GRAVITY- OR PRESSURE- TYPE SANITARY SEWERS, WASTEWATER FORCE MAINS, OR PIPELINES CONVEYING REUSE WATER NOT REGULATED UNDER PART III OR CHAPTER 62-610, F.A.C.

WHERE THE HORIZONTAL CAN BEING LOCATED LESS THAT THE REQUIRED MINIMUM DISTANCES FROM JOINTS IN THE OTHER PIPELINE OR THE HORIZONTAL IS LESS THAN THREE FEET FROM ANOTHER PIPELINE OR THE UNDER GROUND WATER MAIN IS CROSSING ANOTHER PIPELINE AND IS LESS THAN THE REQUIRED MINIMUM VERTICAL DISTANCE FROM THE OTHER PIPELINE, THE CONTRACTOR SHALL CONTACT THE ENGINEER IMMEDIATELY FOR RECOMMENDED SOLUTIONS TO MEET THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION REQUIREMENTS PER CHAPTER 62-555, F.A.C.

N.T.S

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PROTECTION OF POTABLE WATER SUPPLY NOTES

STANDARD DETAILS | DWG. NO. 319
DATE: APRIL 2025

APPROVED PRODUCT LIST

Valve Boxes & Risers: Valve boxes shall either be a **Tyler** or **Turnbull** riser specified or an approved equal which shall meet the following standards:

- The gap between the cover/lid and the ring that is visible when installed must be no greater than 0.11 inches.
- The wall thickness of the ring that encircles the cover/lid shall have a wall thickness of no less than 0.65 inches.
- The valve box top section shall weigh no less than 22 pounds.
- The valve box bottom section shall weigh no less than 27 pounds.
- The valve box lid shall weigh no less than 11 pounds.
- The 1" riser shall weight 6 pounds, 2" 9.5 pound, 3" 14 pounds and 4" 20 pounds.
- The valve box lid shall be a locking design with two indentations to allow for easy removal.
- The brand of valve box bid shall have an option extension kit. The weight of the extension kits shall be +/- 29 lbs for 14 inches, +/ 30 lbs for 18 inches and +/- 37 lbs for 24 inches.
- Recognizing that some manufacturers may make conforming and non-conforming boxes, or risers. Vendors bidding such a manufacturer are advised to avoid shipping the incorrect part. The City reserves the right to return ***at any time*** any box delivered that is non-conforming. If the non-conforming box was installed, the vendor will be responsible for the cost of removal and installation of the conforming box. Depending on the severity and frequency of this type of oversight bidders may be restricted from future bids.

N.T.S

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APPROVED PRODUCT LIST

STANDARD DETAILS | DWG. NO. 331
DATE: APRIL 2025

DIP Fittings: Mega lugs and their accessory kits shall be as manufactured by **EBAA Iron, Inc.** or an approved equal which shall meet the following Standards:

- Each gland shall include one mechanical restraining gland as manufactured by EBAA Iron, Inc, Series 1100, or equal, sacrificial zinc anode hex head caps of one - half of the number of T- head bolts in each gland pack, one rubber gasket and the proper number of T - head bolts and nuts for the mechanical joint sizes shown on the order.
- For sizes 4 to 12 inches, package all gland materials to make one joint and mark each package to specify its weight and contents.
- Each gland shall be clearly marked with a "batch serial number". The "batch serial number" will allow the utility to identify the date of manufacture, plant and identify what ladle of metal was used to cast the gland. The vendor must be able to provide metallurgical reports for any specific gland based on the "batch serial number" that must be cast into the gland. The "batch serial number" must not be encoded and easily converted using common methods, such as the Julian Day.
- Each restraining gland shall have the following weights and have no less than the number wedges listed below. All wedges will be "auto - torquing" or designed such that the nut on the actuating bolt will separate at the manufacturers intended torque for to properly set the wedge. After being set, the actuating bolts will have a smaller remaining head that will allow for the disassembly of the joint.

Size	Minimum Weight	Number of Wedges	¾" Bolt Length
4	7	2	4
6	12	3	4
8	16	3	4.5
10	24	6	4.5
12	33	8	4.5

- The restraining gland shall be properly prepared and coated with a TGIC polyester - based coating. The gripping wedges and actuating bolts shall be properly prepared and coated with a Xylan Flourpolymer coating.

N.T.S

UTILITIES & ENGINEERING DEPARTMENT
5295 JOHNSON ROAD
COCONUT CREEK, FL 33073
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APPROVED PRODUCT LIST

STANDARD DETAILS | DWG. NO. 332
DATE: APRIL 2025

Offsets, Couplings etcetera shall be as manufactured by **Tyler Products** or an approved equal which shall meet the following standards:

The equivalent to the ELLS, 45, offsets, couplings, etcetra that are called for in various bids shall be the Tyler Product line. Equivalents shall have the same dimensions, bolt counts and certifications as the Tyler product line.

Flange Adapters shall be as manufactured by Uniflang or EZ Flange or an approved equal which shall meet the following standards:

- Each fitting shall be clearly marked with a "batch serial number. The "batch serial number" will allow the utility to identify the date of manufacture, plant and identify what ladle of metal was used to cast the gland. The vendor must be able to provide metallurgical reports for any specific fitting based on the "batch serial number" that must be cast into the gland. The "batch serial number" must not be encoded and easily converted using common methods, such as the Julian Day.
- Each restraining fitting shall have the weights listed below.
- Set bolts will be "auto - torquing" or designed such that the nut on the actuating bolt will separate at the manufacturers intended torque for to properly set the wedge. After being set, the actuating bolts will have a smaller remaining head that will allow for the disassembly of the joint.

Size	Minimum Weight
4	6.3
6	8.8
8	12.9
10	23.1
12	29.5

- The fitting shall be properly prepared and coated with a TGIC polyester - based coating. The gripping wedges and actuating bolts shall be properly prepared and coated with a Xylan Flourpolymer coating.

N.T.S

UTILITIES & ENGINEERING DEPARTMENT
5295 JOHNSON ROAD
COCONUT CREEK, FL 33073
TEL NO: 954-973-6786
FAX NO: 954-571-4146
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APPROVED PRODUCT LIST

STANDARD DETAILS | DWG. NO. 333
DATE: APRIL 2025

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Lic. #: AA - 0003590
W: www.bdgllp.com

FIFTH THIRD

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1208 East Kennedy Boulevard
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Tampa, Florida 33602
[p]: 813.434.4770
[f]: 813.445.4211
www.iegroup.net
FL Cert. of Auth. No 27889

IEG JOB NO. 15-328.00

SEAL

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FL REG. NO. 64085

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ISSUE	BY	DATE	DESCRIPTION
		09/05/24	PERMIT SET
1		12/20/24	DRC COMMENTS #1
2		06/25/25	DRC ROUND 4

PROJECT INFORMATION BLOCK

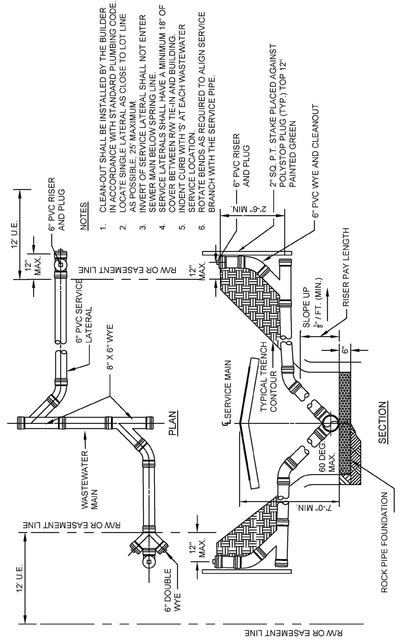
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SHEET TITLE

COCONUT CREEK DETAILS

SHEET NUMBER

C05.04



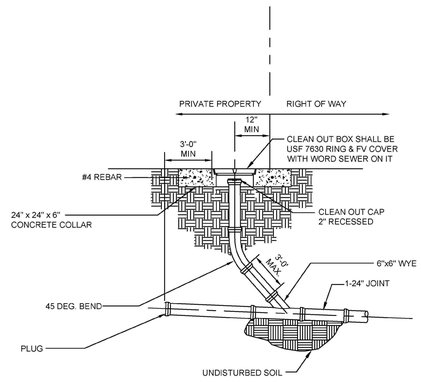
DEEP SERVICE LATERAL

DWG. NO. 410

STANDARD DETAILS

DATE: APRIL 2025

UTILITIES & ENGINEERING DEPARTMENT
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NOTES

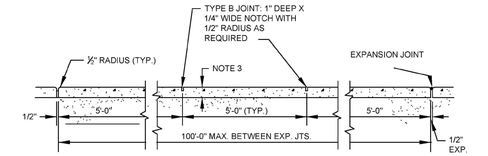
1. ALL CLEAN OUT PLUG SHALL BE 2" RECESSED.
2. THREADS SHALL BE LUBRICATED AS NECESSARY AND UNIT FULLY OPERATIONAL PRIOR TO ACCEPTANCE AND/OR FINAL APPROVAL BY THE CITY.
3. CITY MAINTAINS WASTEWATER UP TO PROPERTY LINE / FIRST CITY CLEAN OUT.

N.T.S

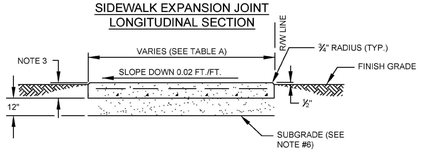
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WASTEWATER SERVICE CLEAN-OUT

STANDARD DETAILS — DWG. NO. 411
DATE: APRIL 2025



SIDEWALK EXPANSION JOINT LONGITUDINAL SECTION



SIDEWALK SECTION

TABLE A - SIDEWALK WIDTH	
WIDTH	ROADWAY APPLICATION
5'	LOCAL STREET ACCESSES
5'	TWO-LANE COLLECTOR
5'	FOUR-LANE COLLECTOR
5'	ARTERIAL ROADWAYS

SIDEWALK JOINTS	
TYPE	LOCATION
"A"	P.C. P.T. OF CURVES
"B"	5'-0" CENTER TO CENTER ON SIDEWALKS

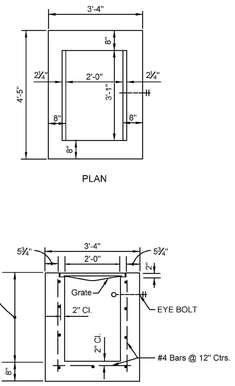
NOTES

1. CONCRETE TO BE TYPE I 3000 P.S.I. MIN
2. USE OF REINFORCED CEMENT IS PROHIBITED
3. 4" THK. MIN. (TYP.), 6" THK. AT DRIVEWAYS, EXTENDED TWO-FEET BEYOND DRIVE, ON BOTH SIDES.
4. SIDEWALK SLOPES SHALL MEET THE REQUIREMENTS OF THE AMERICAN WITH DISABILITIES ACT.
5. CONSTRUCT EXPANSION JOINTS AT SPACINGS SHOWN ABOVE; AT POINT OF CURVATURE; AT ADJOINING STRUCTURES; AND, AT THE END OF DAYS WORK.
6. EXISTING SUB-GRADE TO BE MECHANICALLY COMPACTED TO 95%OF MAX. PER AASHTO T-99 PROCTOR AND DENSITY TESTED

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TYPICAL SIDEWALK

STANDARD DETAILS — DWG. NO. 605
DATE: APRIL 2025



TYPE 'C'

RECOMMENDED MAXIMUM PIPE SIZE:

2'-0" Wall-18" Pipe
3'-1" Wall-24" Pipe

SEE FDOT'S STANDARD INDEXES FOR MORE DETAILS

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STORM INLET - TYPE C

STANDARD DETAILS — DWG. NO. 610
DATE: APRIL 2025

GENERAL NOTES

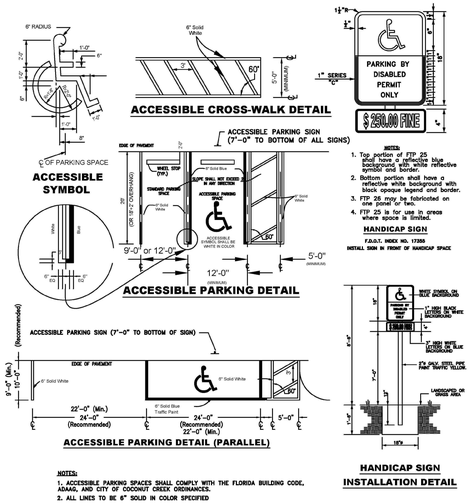
1. These inlets are suitable for bicycle and pedestrian areas and are to be used in ditches, medians and other areas subject to infrequent traffic loadings but are not to be placed in areas subject to any heavy wheel loads.
2. Inlets subject to minimal debris should be constructed without slots. Where debris is a problem inlets should be constructed with slots. Slotted inlets located within roadway clear zones and in areas accessible to pedestrians shall have traversable slots. The traversable slot modification is not adaptable to inlet Type H. Slots may be constructed at either or both ends as shown on plans.
3. Steel grates are to be used on all inlets where bicycle traffic is anticipated. Steel grates are to be used on all inlets with traversable slots. Either cast iron or steel grates may be used on inlets without slots where bicycle traffic is not anticipated.Subject to the selection described above, when Alternate G grate is specified in the plans, either the steel grate, hot dipped galvanized after fabrication, or the cast iron grate may be used, unless the plans stipulate the particular type.
4. Recommended maximum pipe sizes shown are for concrete pipe. Pipe sizes larger than those recommended must be checked for fit.
5. All exposed corners and edges of concrete are to be chamfered .
6. Pavement to be used on inlets without slots and inlets with non–traversable slots only when called for in the plans; but required on all traversable slot inlets. Cost to be included in contract unit price for inlets. Quantities shown are for information only.
7. Traversable slots constructed in existing inlets shall be paid for as inlets partial, and shall include the cost for slot openings, paving and any required replacement grates.
8. Sodding to be used on all inlets not located in paved areas and paid for under contract unit price for Sodding SY.

SEE FDOT'S STANDARD INDEXES FOR MORE DETAILS

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STORM INLET - GENERAL NOTES

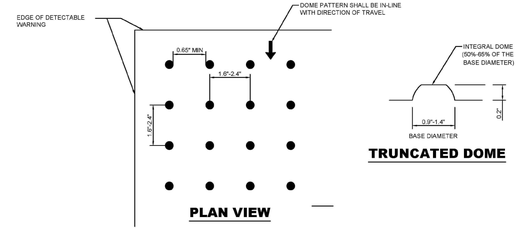
STANDARD DETAILS — DWG. NO. 615
DATE: APRIL 2025



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STANDARD ACCESSIBLE PARKING

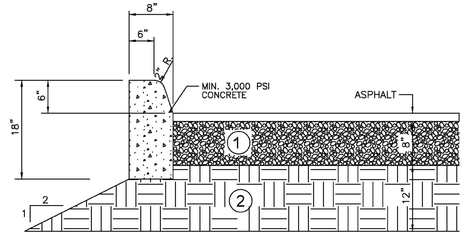
STANDARD DETAILS — DWG. NO. 622
DATE: APRIL 2025



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DETECTABLE WARNING

STANDARD DETAILS — DWG. NO. 623
DATE: APRIL 2025



GENERAL NOTES:

1. LIMEROCK BASE SHALL BE COMPACTED TO NOT LESS THAN 98% OF MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180 WITH MINIMUM LBR 100 AND MAXIMUM OF 8" LIFTS.
2. SUB GRADE SHALL BE COMPACTED TO NOT LESS THAN 98% OF MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180 WITH MINIMUM LBR 40 AND A MAXIMUM OF 12" LIFTS.

ADDITIONAL CURBING NOTES:

1. DENSITY TESTS SHALL BE REQUIRED AT A MINIMUM OF ONE PER 5,000 SQUARE FEET, AND PERFORMED BY AN APPROVED INDEPENDENT LABORATORY AT THE CONTRACTOR'S EXPENSE.
2. CURB SHALL BE POURED MONOLITHICALLY AND CONSTRUCTED IN ACCORDANCE WITH THIS DETAIL.
3. CONTROL JOINTS SHALL BE TOOLED OR CUT EVERY TEN (10) FEET.
4. ALL AREAS BEHIND CURBS SHALL BE BACKFILLED WITHIN 72 HOURS OF PLACEMENT.

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TYPE D CURB

STANDARD DETAILS — DWG. NO. 635
DATE: APRIL 2025

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FIFTH THIRD

FIFTH THIRD BANK
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INFINITY
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ISSUE	BY	DATE	DESCRIPTION
		09/05/24	PERMIT SET
1		12/20/24	DRC COMMENTS #1
2		06/25/25	DRC ROUND 4

PROJECT INFORMATION BLOCK

JOB #	230649
DATE:	09/05/24
DRAWN BY:	IEG
CHECKED BY:	IEG

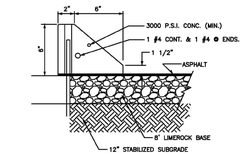
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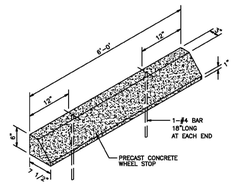
COCONUT CREEK DETAILS

SHEET NUMBER

C05.05

3
1





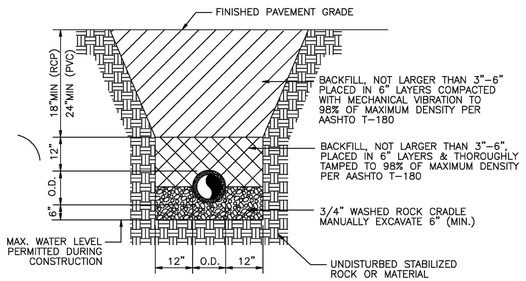
NOTES:
1. CONCRETE STRENGTH SHALL BE 3,000 P.S.I.

N.T.S

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WHEELSTOP

STANDARD DETAILS	DWG. NO.
DATE: APRIL 2025	640

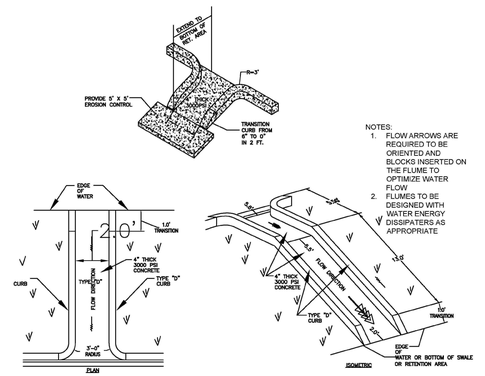


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TYPICAL TRENCH FOR STORM DRAINS

STANDARD DETAILS	DWG. NO.
DATE: APRIL 2025	645



NOTES:
1. FLOW ARROWS ARE REQUIRED TO BE ORIENTED AND BLOCKS INSERTED ON THE FLUME TO OPTIMIZE WATER FLOW
2. FLUMES TO BE DESIGNED WITH WATER ENERGY DISSIPATERS AS APPROPRIATE

N.T.S

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CONCRETE FLUME

STANDARD DETAILS	DWG. NO.
DATE: APRIL 2025	659

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		09/05/24	PERMIT SET
1		12/20/24	DRC COMMENTS #1
2		04/28/25	DRC ROUND 3
3		06/25/25	DRC ROUND 4

PROJECT INFORMATION BLOCK

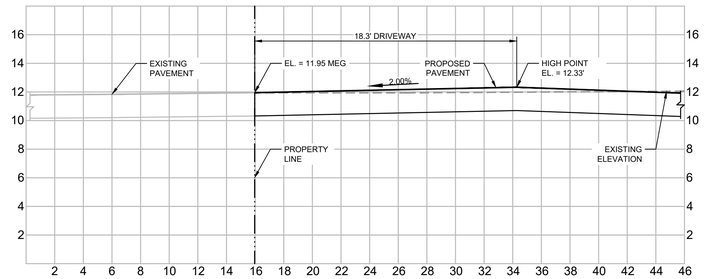
JOB #	230649
DATE:	09/05/24
DRAWN BY:	IEG
CHECKED BY:	IEG

SHEET TITLE

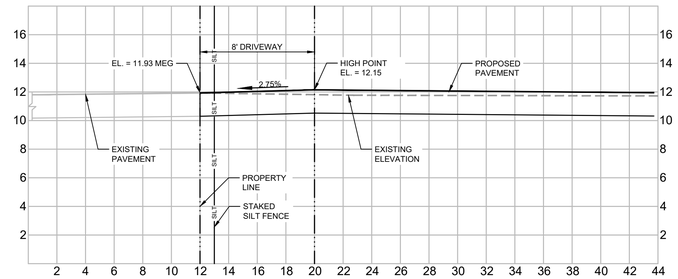
COCONUT CREEK DETAILS

SHEET NUMBER

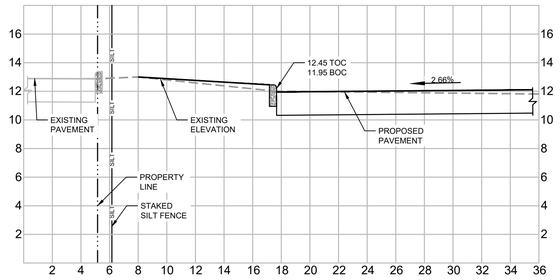
C05.06



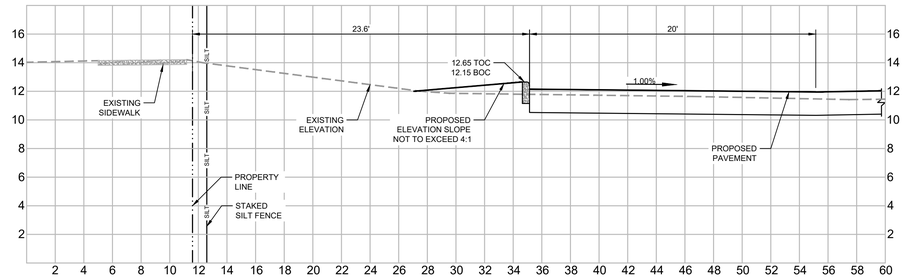
SECTION A-A
SCALE 1" = 5'



SECTION B-B
SCALE 1" = 5'

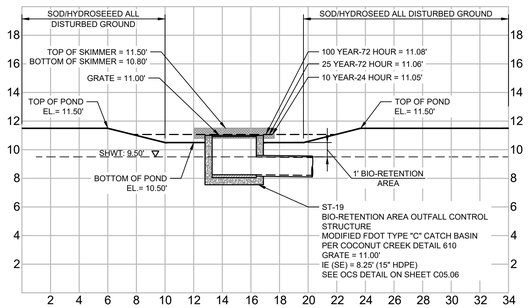


SECTION C-C
SCALE 1" = 5'



SECTION D-D
SCALE 1" = 5'

1



SECTION E-E
SCALE 1" = 5'

2

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2		04/28/25	DRC ROUND 3

PROJECT INFORMATION BLOCK

JOB #	230649
DATE:	09/05/24
DRAWN BY:	IEG
CHECKED BY:	IEG

SHEET TITLE

CROSS SECTIONS

SHEET NUMBER

C05.07

OWNER'S REQUIREMENTS

SITE DESCRIPTION

PROJECT NAME AND LOCATION:

FIFTH THIRD BANK - COCONUT CREEK

PROPERTY OWNER:

FIFTH THIRD BANK
MD 10ATA1 CORP FAC 38 FOUNTAIN SQUARE PLZ
CINCINNATI, OHIO 45202-3102

SITE ADDRESS:

4805 COCONUT CREEK PARKWAY
COCONUT CREEK, FLORIDA 33063

DESCRIPTION:

CONSTRUCT NEW BUILDING AND PARKING LOT.
MODIFY EXISTING SMS AS REQUIRED TO ACCOMMODATE IMPROVEMENTS PER AUTHORITIES WITH JURISDICTION.

SOIL DISTURBING ACTIVITIES WILL INCLUDE: RE-GRADING, CONSTRUCTION OF FACILITY

SOILS:

SEE SOIL REPORT

SITE MAPS:

* SEE ATTACHED GRADING PLAN FOR PRE & POST DEVELOPMENT GRADES, AREAS OF SOILS, DISTURBANCE, LOCATION OF SURFACE WATERS, WETLANDS, PROTECTED AREAS, MAJOR STRUCTURAL AND NONSTRUCTURAL CONTROLS AND STORMWATER DISCHARGE POINTS.

* SEE ATTACHED EROSION & TURBIDITY CONTROL PLAN FOR TEMPORARY STABILIZATION PRACTICES, AND TURBIDITY BARRIERS

* SEE GENERAL NOTES FOR REQUIREMENTS FOR TEMPORARY AND PERMANENT STABILIZATION.

NAME OF RECEIVING WATERS:

EXISTING INLET

CONTROLS

THIS PLAN UTILIZES BEST MANAGEMENT PRACTICES TO CONTROL EROSION AND TURBIDITY CAUSED BY STORMWATER RUN OFF. AN EROSION AND TURBIDITY PLAN HAS BEEN PREPARED TO INSTRUCT THE CONTRACTOR ON PLACEMENT OF THESE CONTROLS. IT IS THE CONTRACTORS RESPONSIBILITY TO INSTALL AND MAINTAIN THE CONTROLS PER PLAN AS WELL AS ENSURING THE PLAN IS PROVIDING THE PROPER PROTECTION AS REQUIRED BY FEDERAL, STATE AND LOCAL LAWS. REFER TO "CONTRACTORS RESPONSIBILITY" FOR A VERBAL DESCRIPTION OF THE CONTROLS THAT MAY BE IMPLEMENTED.

STORMWATER MANAGEMENT

STORMWATER DRAINAGE WILL BE PROVIDED BY (DESCRIPTION:)

MODIFIED COLLECTION, CONVEYANCE, TREATMENT & ATTENUATION SYSTEM FOR THE PROJECT. AREAS WHICH ARE NOT TO BE CONSTRUCTED ON, BUT WILL BE REGRADED SHALL BE STABILIZED IMMEDIATELY AFTER GRADING IS COMPLETE, WHEN CONSTRUCTION IS COMPLETE. THE SITE DISCHARGES TO AN UNDERGROUND DETENTION SYSTEM. WHERE PRACTICAL, TEMPORARY SEDIMENT BASINS WILL BE USED TO INTERCEPT SEDIMENT BEFORE ENTERING THE PERMANENT DETENTION BASIN. THE DRY DETENTION SYSTEM IS DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS SET FORTH BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION FOR THIS TYPE OF DEVELOPMENT AT THE TIME IT WAS CONSTRUCTED.

TIMING OF CONTROLS/MEASURES

REFER TO " CONTRACTORS RESPONSIBILITY" FOR THE TIMING OF CONTROL/MEASURES.

CONTRACTOR'S REQUIREMENTS

GENERAL

THE CONTRACTOR SHALL AT A MINIMUM IMPLEMENT THE CONTRACTOR'S REQUIREMENTS OUTLINED BELOW AND THOSE MEASURES SHOWN ON THE EROSION AND TURBIDITY CONTROL PLAN. IN ADDITION THE CONTRACTOR SHALL UNDERTAKE ADDITIONAL MEASURES REQUIRED TO BE IN COMPLIANCE WITH APPLICABLE PERMIT CONDITIONS AND STATE WATER QUALITY STANDARDS. DEPENDING ON THE NATURE OF MATERIALS AND METHODS OF CONSTRUCTION THE CONTRACTOR MAY BE REQUIRED TO ADD FLOCCULANTS TO THE RETENTION SYSTEM PRIOR TO PLACING THE SYSTEM INTO OPERATION.

SEQUENCE OF MAJOR ACTIVITIES

THE ORDER OF ACTIVITIES WILL BE AS FOLLOWS:

1. INSTALL STABILIZED CONSTRUCTION ENTRANCE
2. INSTALL SILT FENCES AND HAY BALES AS REQUIRED
3. CLEAR AND GRUB FOR DIVERSION SWALES/DIKES AND SEDIMENT BASIN
4. CONSTRUCT SEDIMENTATION BASIN
5. CONTINUE CLEARING AND GRUBBING
6. STOCK PILE TOP SOIL IF REQUIRED
7. PERFORM PRELIMINARY GRADING ON SITE AS REQUIRED
8. STABILIZE DENUDED AREAS AND STOCKPILES AS SOON AS PRACTICABLE
9. INSTALL STORM SEWER AND IRRIGATION.
10. COMPLETE GRADING AND INSTALL PERMANENT SEEDING/SOD AND PLANTING
11. REMOVE ACCUMULATED SEDIMENT FROM BASINS
12. WHEN ALL CONSTRUCTION ACTIVITY IS COMPLETE AND THE SITE IS STABILIZED, REMOVE ANY TEMPORARY DIVERSION SWALES/DIKES AND RESEED/SOD AS REQUIRED

TIMING OF CONTROLS/MEASURES

AS INDICATED IN THE SEQUENCE OF MAJOR ACTIVITIES, THE SILT FENCES AND HAY BALES, STABILIZED CONSTRUCTION ENTRANCE AND SEDIMENT BASIN WILL BE CONSTRUCTED PRIOR TO CLEARING OR GRADING OF ANY OTHER PORTIONS OF THE SITE. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICAL IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. ONCE CONSTRUCTION ACTIVITY CEASES PERMANENTLY IN AN AREA, THAT AREA WILL BE STABILIZED PERMANENTLY IN ACCORDANCE WITH THE PLANS. AFTER THE ENTIRE SITE IS STABILIZED, THE ACCUMULATED SEDIMENT WILL BE REMOVED FROM THE SEDIMENT TRAPS AND THE EARTH DIKE/SWALES WILL BE REGRADED/REMOVED AND STABILIZED IN ACCORDANCE WITH THE EROSION & TURBIDITY CONTROL PLAN.

CONTROLS

IT IS THE CONTRACTORS RESPONSIBILITY TO IMPLEMENT THE EROSION AND TURBIDITY CONTROLS AS SHOWN ON THE EROSION AND TURBIDITY CONTROL PLAN. IT IS ALSO THE CONTRACTORS RESPONSIBILITY TO ENSURE THESE CONTROLS ARE PROPERLY INSTALLED , MAINTAINED AND FUNCTIONING PROPERLY TO PREVENT TURBID OR POLLUTED WATER FROM LEAVING THE PROJECT SITE. THE CONTRACTOR WILL ADJUST THE EROSION AND TURBIDITY CONTROLS SHOWN ON THE EROSION AND TURBIDITY CONTROL PLAN AND ADD ADDITIONAL CONTROL MEASURES, AS REQUIRED, TO ENSURE THE SITE MEETS ALL FEDERAL, STATE AND LOCAL EROSION AND TURBIDITY CONTROL REQUIREMENTS. THE FOLLOWING BEST MANAGEMENT PRACTICES WILL BE IMPLEMENTED BY THE CONTRACTOR AS REQUIRED BY THE EROSION AND TURBIDITY CONTROL PLAN AND AS REQUIRED TO MEET THE EROSION AND TURBIDITY REQUIREMENTS IMPOSED ON THE PROJECT SITE BY THE REGULATORY AGENCIES.

SPILL PREVENTION

MATERIAL MANAGEMENT PRACTICES

THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORMWATER RUNOFF.

GOOD HOUSEKEEPING

THE FOLLOWING GOOD HOUSEKEEPING PRACTICES WILL BE FOLLOWED ONSITE DURING THE CONSTRUCTION PROJECT.

* AN EFFORT WILL BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB.

* ALL MATERIALS STORED ONSITE WILL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS AND, IF POSSIBLE, UNDER A ROOF OR OTHER ENCLOSURE.

* PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL.

* SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.

* WHENEVER POSSIBLE, ALL OF A PRODUCT WILL BE USED UP BEFORE DISPOSING OF THE CONTAINER.

* MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL WILL BE FOLLOWED.

* THE SITE SUPERINTENDENT WILL INSPECT DAILY TO ENSURE MATERIALS ONSITE RECEIVE PROPER USE AND DISPOSAL.

STABILIZATION PRACTICES EROSION AND SEDIMENT CONTROLS

1. HAY BALE BARRIER: HAY BALE BARRIERS CAN BE USED BELOW DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION WITH THE FOLLOWING LIMITATIONS:
   A. WHERE THE MAXIMUM SLOPE BEHIND THE BARRIER IS 33 PERCENT.
   B. IN MINOR SWALES OR DITCH LINES WHERE THE MAXIMUM CONTRIBUTING DRAINAGE AREA IS NO GREATER THAN 2 ACRES.
   C. WHERE EFFECTIVENESS IS REQUIRED FOR LESS THAN 3 MONTHS.
   D. EVERY EFFORT SHOULD BE MADE TO LIMIT THE USE OF STRAW BALE BARRIERS CONSTRUCTED IN LIVE STREAMS OR IN SWALES WHERE THERE IS THE POSSIBILITY OF A WASHOUT. IF NECESSARY, MEASURES SHALL BE TAKEN TO PROPERLY ANCHOR BALES TO INSURE AGAINST WASHOUT.
2. FILTER FABRIC BARRIER: FILTER FABRIC BARRIERS CAN BE USED BELOW DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION WITH THE FOLLOWING LIMITATIONS:
   A. WHERE THE MAXIMUM SLOPE BEHIND THE BARRIER IS 33 PERCENT.
   B. IN MINOR SWALES OR DITCH LINES WHERE THE MAXIMUM CONTRIBUTING DRAINAGE AREA IS NO GREATER THAN 2. ACRES.
3. BRUSH BARRIER WITH FILTER FABRIC: BRUSH BARRIER MAY BE USED BELOW DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION WHERE ENOUGH RESIDUE MATERIAL IS AVAILABLE ON SITE.
4. LEVEL SPREADER: A LEVEL SPREADER MAY BE USED WHERE SEDIMENT-FREE STORM RUNOFF IS INTERCEPTED AND DIVERTED AWAY FROM THE GRADED AREAS ONTO UNDISTURBED STABILIZED AREAS. THIS PRACTICE APPLIES ONLY IN THOSE SITUATIONS WHERE THE SPREADER CAN BE APPLIES ONLY IN THOSE SITUATIONS WHERE THE SPREADER CAN BE APPLIES ONLY IN THOSE SITUATIONS WHERE THE SPREADER CAN BE CONSTRUCTED ON UNDISTURBED SOIL AND THE AREA BELOW THE LEVEL LIP IS STABILIZED. THE WATER SHOULD NOT BE ALLOWED TO RECONCENTRATE AFTER RELEASE.
5. STOCKPILING MATERIAL: NO EXCAVATED MATERIAL SHALL BE STOCKPILED IN SUCH A MANNER AS TO DIRECT RUNOFF DIRECTLY OFF THE PROJECT SITE INTO ANY ADJACENT WATER BODY OR STORMWATER COLLECTION FACILITY.
6. EXPOSED AREA LIMITATION: THE SURFACE AREA OF OPEN, RAW ERODIBLE SOIL EXPOSED BY CLEARING AND GRUBBING OPERATIONS OR EXCAVATION AND FILLING OPERATIONS SHALL NOT EXCEED 10 ACRES. THIS REQUIREMENT MAY BE WAIVED FOR LARGE PROJECTS WITH AN EROSION CONTROL PLAN WHICH DEMONSTRATES THAT OPENING OF ADDITIONAL AREAS WILL NOT SIGNIFICANTLY AFFECT OFF-SITE DEPOSIT OF SEDIMENTS.
7. INLET PROTECTION: INLETS AND CATCH BASINS WHICH DISCHARGE DIRECTLY OFF-SITE SHALL BE PROTECTED FROM SEDIMENT-LADEN STORM RUNOFF UNTIL THE COMPLETION OF ALL CONSTRUCTION OPERATIONS THAT MAY CONTRIBUTE SEDIMENT TO THE INLET.
8. TEMPORARY SEEDING: AREAS OPENED BY CONSTRUCTION OPERATIONS AND THAT ARE NOT ANTICIPATED TO BE RE-EXCAVATED OR DRESSED AND RECEIVE FINAL GRASSING TREATMENT WITHIN 30 DAYS SHALL BE SEEDED WITH A QUICK GROWING GRASS SPECIES WHICH WILL PROVIDE AN EARLY COVER DURING THE SEASON IN WHICH IT IS PLANTED AND WILL NOT LATER COMPETE WITH THE PERMANENT GRASSING.
9. TEMPORARY SEEDING AND MULCHING: SLOPES STEEPER THAN 6:1 THAT FALL WITHIN THE CATEGORY ESTABLISHED IN PARAGRAPH 8 ABOVE SHALL ADDITIONALLY RECEIVE MULCHING OF APPROXIMATELY 2 INCHES LOOSE MEASURE OF MULCH MATERIAL CUT INTO THE SOIL OF THE SEEDED AREA ADEQUATE TO PREVENT MOVEMENT OF SEED AND MULCH.
10. TEMPORARY GRASSING: THE SEEDED OR SEEDED AND MULCHED AREA(S) SHALL BE ROLLED AND WATERED OR HYDROMULCHED OR OTHER SUITABLE METHODS IF REQUIRED TO ASSURE OPTIMUM GROWING CONDITIONS FOR THE ESTABLISHMENT OF A GOOD GRASS COVER. TEMPORARY GRASSING SHALL BE THE SAME MIX & AMOUNT REQUIRED FOR PERMANENT GRASSING IN THE CONTRACT SPECIFICATIONS.
11. TEMPORARY REGRASSING : IF, AFTER 14 DAYS FROM SEEDING, THE TEMPORARY GRASSED AREAS HAVE NOT ATTAINED A MINIMUM OF 75 PERCENT GOOD GRASS COVER, THE AREA WILL BE REWORKED AND ADDITIONAL SEED APPLIED SUFFICIENT TO ESTABLISH THE DESIRED VEGETATIVE COVER.
12. MAINTENANCE: ALL FEATURES OF THE PROJECT DESIGNED AND CONSTRUCTED TO PREVENT EROSION AND SEDIMENT SHALL BE MAINTAINED DURING THE LIFE OF THE CONSTRUCTION SO AS TO FUNCTION AS THEY WERE ORIGINALLY DESIGNED AND CONSTRUCTED.
13. PERMANENT EROSION CONTROL: THE EROSION CONTROL FACILITIES OF THE PROJECT SHOULD BE DESIGNED TO MINIMIZE THE IMPACT ON THE OFFSITE FACILITIES.
14. PERMANENT SEEDING: ALL AREAS WHICH HAVE BEEN DISTURBED BY CONSTRUCTION WILL, AS A MINIMUM, BE SEEDED. THE SEEDING MIX MUST PROVIDE BOTH LONG-TERM VEGETATION AND RAPID GROWTH SEASONAL VEGETATION. SLOPES STEEPER THAN 4:1 SHALL BE SEEDED AND MULCHED OR SODDED.

OTHER CONTROLS

WASTE DISPOSAL

WASTE MATERIALS ALL WASTE MATERIALS EXCEPT LAND CLEARING DEBRIS SHALL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER. THE DUMPSTER WILL MEET ALL LOCAL AND STATE SOLID WASTE MANAGEMENT REGULATIONS. THE DUMPSTER WILL BE EMPTIED AS NEEDED AND THE TRASH WILL BE HAULED TO A STATE APPROVED LANDFILL. ALL PERSONNEL WILL BE INSTRUCTED REGARDING THE CORRECT PROCEDURE FOR WASTE DISPOSAL. NOTICES STATING THESE PRACTICES WILL BE POSTED AT THE CONSTRUCTION SITE BY THE CONSTRUCTION SUPERINTENDENT, THE INDIVIDUAL WHO MANAGES THE DAY-TO-DAY SITE OPERATIONS, WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.

HAZARDOUS WASTE

ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL OR STATE REGULATION OR BY THE MANUFACTURER. SITE PERSONNEL WILL BE INSTRUCTED IN THESE PRACTICES AND THE SITE SUPERINTENDENT, THE INDIVIDUAL WHO MANAGES DAY-TO-DAY SITE OPERATIONS,WILL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED.

SANITARY WASTE

ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS AS NEEDED TO PREVENT POSSIBLE SPILLAGE. THE WASTE WILL BE COLLECTED AND DEPOSED OF IN ACCORDANCE WITH STATE AND LOCAL WASTE DISPOSAL REGULATIONS FOR SANITARY SEWER OR SEPTIC SYSTEMS.

OFFSITE VEHICLE TRACKING

A STABILIZED CONSTRUCTION ENTRANCE WILL BE PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. THE PAVED STREET ADJACENT TO THE SITE ENTRANCE WILL BE SWEPT DAILY TO REMOVE ANY EXCESS MUD, DIRT OR ROCK TRACKED FROM THE SITE. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE WILL BE COVERED WITH A TARPAULIN.

INVENTORY FOR POLLUTION PREVENTION PLAN

THE MATERIALS OR SUBSTANCES LISTED BELOW ARE EXPECTED TO BE PRESENT ONSITE DURING CONSTRUCTION:

☐ Concrete	☐ Fertilizers	☐ Wood
☐ Asphalt	☐ Petroleum Based Products	☐ Masonry Blocks
☐ Tar	☐ Cleaning Solvents	☐ Roofing Materials
☐ Detergents	☐ Paints	☐ Metal Studs
☐ _____	☐ _____	☐ _____

STRUCTURAL PRACTICES

1. TEMPORARY DIVERSION DIKE: TEMPORARY DIVERSION DIKES MAY BE USED TO DIVERT RUNOFF THROUGH A SEDIMENT-TRAPPING FACILITY.
2. TEMPORARY SEDIMENT TRAP: A SEDIMENT TRAP SHALL BE INSTALLED IN AN DRAINAGEWAY AT A STORM DRAIN INLET OR AT OTHER POINTS OF DISCHARGE FROM A DISTURBED AREA. THE FOLLOWING SEDIMENT TRAPS MAY BE CONSTRUCTED EITHER INDEPENDENTLY OR IN CONJUNCTION WITH A TEMPORARY DIVERSION

DIKE:

1. BLOCK & GRAVEL SEDIMENT FILTER - THIS PROTECTION IS APPLICABLE WHERE HEAVY FLOWS AND/OR WHERE AN OVERFLOW CAPACITY IS NECESSARY TO PREVENT EXCESSIVE PONDING AROUND THE STRUCTURE.
2. GRAVEL SEDIMENT TRAP - THIS PROTECTION IS APPLICABLE WHERE HEAVY CONCENTRATED FLOWS ARE EXPECTED, BUT NOT WHERE PONDING AROUND THE STRUCTURE MIGHT CAUSE EXCESSIVE INCONVENIENCE OR DAMAGE TO ADJACENT STRUCTURES & UNPROTECTED AREAS.
3. DROP INLET SEDIMENT TRAP - THIS PROTECTION IS APPLICABLE WHERE THE INLET DRAINS A RELATIVELY FLAT AREA (S < 5%) AND WHERE SHEET OR OVERLAND FLOWS (Q < 0.5 CFS) ARE TYPICAL. THIS METHOD SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS SUCH AS IN STREET OR HIGHWAY MEDIANS.
4. OUTLET PROTECTION: APPLICABLE TO THE OUTLETS OF ALL PIPES AND PAVED CHANNEL SECTIONS WHERE THE FLOW COULD CAUSE EROSION & SEDIMENT PROBLEM TO THE RECEIVING WATER BODY. SILT FENCES & HAY BALES ARE TO BE INSTALLED IMMEDIATELY DOWNSTREAM OF THE DISCHARGING STRUCTURE AS SHOWN ON THE OUTLET PROTECTION DETAIL.
5. SEDIMENT BASIN: WILL BE CONSTRUCTED AT THE COMMON DRAINAGE LOCATIONS THAT SERVE AN AREA WITH 10 OR MORE DISTURBED ACRES AT ONE TIME, THE PROPOSED STORMWATER PONDS (OR TEMPORARY PONDS) WILL BE CONSTRUCTED FOR USE AS SEDIMENT BASINS. THESE SEDIMENT BASINS MUST PROVIDE A MINIMUM OF 3,600 CUBIC FEET OF STORAGE PER ACRE DRAINED UNTIL FINAL STABILIZATION OF THE SITE. THE 3,600 CUBIC FEET OF STORAGE AREA PER ACRE DRAINED DOES NOT APPLY TO FLOWS FROM OFFSITE AREAS AND FLOWS FROM ONSITE AREAS THAT ARE EITHER UNDISTURBED OR HAVE UNDERGONE FINAL STABILIZATION WHERE SUCH FLOWS ARE DIVERTED AROUND BOTH THE DISTURBED AREA AND THE SEDIMENT BASIN. ANY TEMPORARY SEDIMENT BASINS CONSTRUCTED MUST BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH THE SPECIFICATIONS FOR STRUCTURAL FILL ALL SEDIMENT COLLECTED IN PERMANENT OR TEMPORARY SEDIMENT TRAPS MUST BE REMOVED UPON FINAL STABILIZATION.

HAZARDOUS PRODUCTS

THESE PRACTICES ARE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS.

* PRODUCTS WILL BE KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE.

* ORIGINAL LABELS AND MATERIAL SAFETY DATA WILL BE RETAINED; THEY CONTAIN IMPORTANT PRODUCT INFORMATION.

* IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURER'S OR LOCAL AND STATE RECOMMENDED METHODS FOR PROPER DISPOSAL WILL BE FOLLOWED.

PRODUCT SPECIFIC PRACTICES THE FOLLOWING PRODUCT SPECIFIC PRACTICES WILL BE FOLLOWED ONSITE:

PETROLEUM PRODUCTS

ALL ONSITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED. ANY ASPHALT SUBSTANCES USED ONSITE WILL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

FERTILIZERS

FERTILIZERS USED WILL BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER. ONCE APPLIED, FERTILIZER WILL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORMWATER. STORAGE WILL BE IN A COVERED AREA. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER WILL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.

PAINTS

CONTAINERS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT WILL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM BUT WILL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURERS' INSTRUCTIONS OR STATE AND LOCAL REGULATIONS.

CONCRETE TRUCKS

CONCRETE TRUCKS WILL NOT BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ON THE SITE.

SPILL CONTROL PRACTICES

IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTIONS OF THIS PLAN, THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:

MANUFACTURERS' RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED ON SITE AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES.

MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREA ONSITE. EQUIPMENT AND MATERIALS WILL INCLUDE BUT NOT BE LIMITED TO BROOMS, DUST PANS, MOPS, RAGS, GLOVES, GOGGLES, LIQUID ABSORBENT (i.e. KITTY LITTER OR EQUAL), SAND, SAWDUST, PLASTIC AND METAL TRASH CONTAINERS SPECIFICALLY FOR THIS PURPOSE.

ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY. THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.

SPILL OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF THE SIZE OF THE SPILL.

THE SPILL PREVENTION PLAN WILL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM REOCCURRING AND HOW TO CLEAN UP THE SPILL IF THERE IS ANOTHER ONE. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE CLEANUP MEASURES WILL ALSO BE INCLUDED. THE SITE SUPERINTENDENT RESPONSIBLE FOR THE DAY-TO-DAY SITE OPERATIONS, WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. HE/SHE WILL DESIGNATE AT LEAST ONE OTHER SITE PERSONNEL WHO WILL RECEIVE SPILL PREVENTION AND CLEANUP TRAINING. THESE INDIVIDUALS WILL EACH BECOME RESPONSIBLE FOR A PARTICULAR PHASE OF PREVENTION AND CLEANUP. THE NAMES OF RESPONSIBLE SPILL PERSONNEL WILL BE POSTED IN THE MATERIAL STORAGE AREA AND IF APPLICABLE, IN THE OFFICE TRAILER ONSITE.

MAINTENANCE/INSPECTION PROCEDURES

EROSION AND SEDIMENT CONTROL INSPECTION AND MAINTENANCE PRACTICES

THE FOLLOWING ARE INSPECTION AND MAINTENANCE PRACTICES THAT WILL BE USED TO MAINTAIN EROSION AND SEDIMENT CONTROLS.

* NO MORE THAN 10 ACRES OF THE SITE WILL BE DENUDED AT ONE TIME WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.

* ALL CONTROL MEASURES WILL BE INSPECTED BY THE SUPERINTENDENT, THE PERSON RESPONSIBLE FOR THE DAY TO DAY SITE OPERATION OR SOMEONE APPOINTED BY THE SUPERINTENDENT, AT LEAST ONCE A WEEK AND FOLLOWING ANY STORM EVENT OF 0.25 INCHES OR GREATER.

* ALL TURBIDITY CONTROL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER; IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF REPORT.

* BUILT UP SEDIMENT WILL BE REMOVED FROM SILT FENCE WHEN IT HAS REACHED ONE-THIRD THE HEIGHT OF THE FENCE.

* SILT FENCE WILL BE INSPECTED FOR DEPTH OF SEDIMENT, TEARS, TO SEE IF THE FABRIC IS SECURELY ATTACHED TO THE FENCE POSTS, AND TO SEE THAT THE FENCE POSTS ARE FIRMLY IN THE GROUND.

* DIVERSION DIKES/SWALES WILL BE INSPECTED AND ANY BREACHES PROMPTLY REPAIRED.

MAINTENANCE/INSPECTION PROCEDURES

* THE SEDIMENT BASINS WILL BE INSPECTED FOR THE DEPTH OF SEDIMENT AND BUILT UP SEDIMENT WILL BE REMOVED WHEN IT REACHES 10 PERCENT OF THE DESIGN CAPACITY OR AT THE END OF THE JOB, WHICHEVER COMES FIRST.

* TEMPORARY AND PERMANENT SEEDING AND PLANTING WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH.

* A MAINTENANCE INSPECTION REPORT WILL BE MADE AFTER EACH INSPECTION. A COPY OF THE REPORT FORM TO BE COMPLETED BY THE INSPECTOR IS ATTACHED. THE REPORTS WILL BE KEPT ON SITE DURING CONSTRUCTION AND AVAILABLE UPON REQUEST TO THE OWNER, ENGINEER OR ANY FEDERAL, STATE OR LOCAL AGENCY APPROVING SEDIMENT AND AND EROSION PLANS, OR STORMWATER MANAGEMENT PLANS. THE REPORTS SHALL BE MADE AND RETAINED AS PART OF THE WATER POLLUTION PREVENTION PLAN FOR AT LEAST THREE YEARS FROM THE DATE THAT THE SITE IS FINALLY STABILIZED AND THE NOTICE OF TERMINATION IS SUBMITTED THE REPORTS SHALL IDENTIFY ANY INCIDENTS OF NON-COMPLIANCE.

* THE SITE SUPERINTENDENT WILL SELECT UP TO THREE INDIVIDUALS WHO WILL BE RESPONSIBLE FOR INSPECTIONS, MAINTENANCE AND REPAIR ACTIVITIES, AND FILLING OUT THE INSPECTION AND MAINTENANCE REPORT.

* PERSONNEL SELECTED FOR INSPECTION AND MAINTENANCE RESPONSIBILITIES WILL RECEIVE TRAINING FROM THE SITE SUPERINTENDENT. THEY WILL BE TRAINED IN ALL THE INSPECTION AND MAINTENANCE PRACTICES NECESSARY FOR KEEPING THE EROSION AND SEDIMENT CONTROLS USED ONSITE IN GOOD WORKING ORDER.

NON-STORMWATER DISCHARGES

IT IS EXPECTED THAT THE FOLLOWING NON-STORMWATER DISCHARGES WILL OCCUR FROM THE SITE DURING THE CONSTRUCTION PERIOD:

* WATER FROM WATER LINE FLUSHING

*PAVEMENT WASH WATERS (WHERE NO SPILLS OR LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE OCCURRED).

* UNCONTAMINATED GROUNDWATER (FROM DEWATERING EXCAVATION).

ALL NON-STORMWATER DISCHARGE WILL BE DIRECTED TO THE SEDIMENT BASIN PRIOR TO DISCHARGE.

CONTRACTOR'S CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND THAT AUTHORIZES THE STORM CONDITIONS OF THE DEP GENERIC PERMIT WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION.

RESPONSIBLE FORIDUTIES	GENERAL CONTRACTOR	SUB-CONTRACTOR	SUB-CONTRACTOR	SUB-CONTRACTOR	SUB-CONTRACTOR
BUSINESS NAME AND ADDRESS OF CONTRACTOR & ALL SUBS					
SIGNATURE					

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IEG JOB NO. 15-328.00

SEAL

NISIT SAPPARKHAO, P.E.
FL REG. NO. 64085

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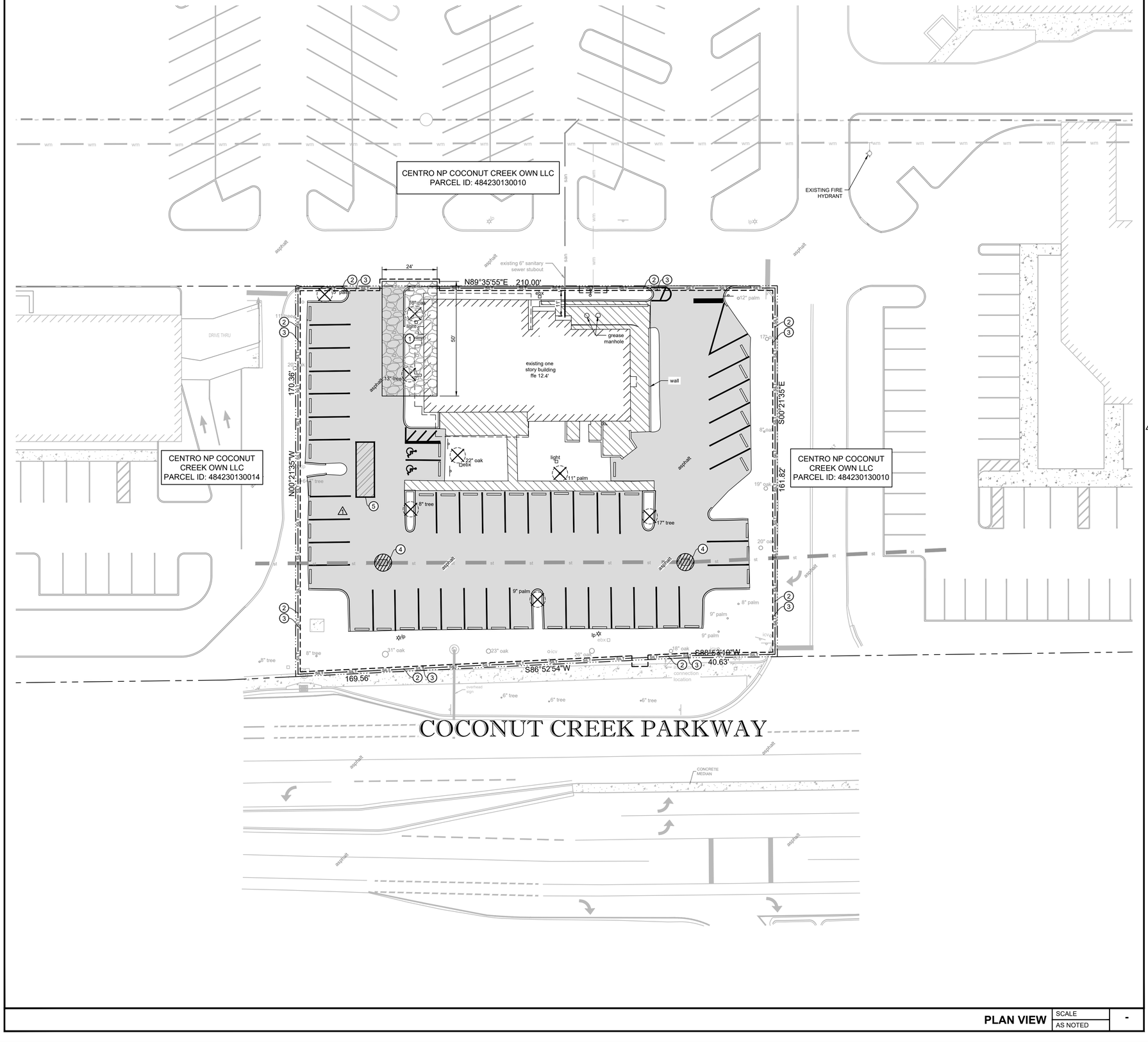
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SHEET TITLE

SWPPP GENERAL REQUIREMENTS

SHEET NUMBER

C06.01



LEGEND

- PROPERTY LINE
- EXISTING CONCRETE TO REMAIN
- EXISTING TO REMAIN
- SILT FENCE
- LIMITS OF CONSTRUCTION
- INLET PROTECTION
- EXISTING CONTOUR
- EXISTING GRADE ELEVATION

GENERAL NOTES

- ALL MATERIALS INCLUDING FILL STOCKPILES SHALL NOT BE PERMANENTLY LOCATED ON THE UNDEVELOPED AREA OF PROPOSED DEVELOPMENT.
- ALL DISTURBED AREAS OF UNDEVELOPED PROPERTY SHALL BE HYDROMULCHED WITH SEED TO ESTABLISH TURN AND PREVENT SILT RUNOFF INTO THE STREETS.

EROSION CONTROL KEYED NOTES

1	CRUSHED STONE CONSTRUCTION ENTRANCE AND CONCRETE TRUCK WASHOUT AREA.
2	SILT FENCE
3	LIMITS OF CONSTRUCTION (0.77 AC)
4	INLET PROTECTION
5	TEMPORARY CONSTRUCTION TRAILER.

PLAN VIEW — SCALE: AS NOTED — -

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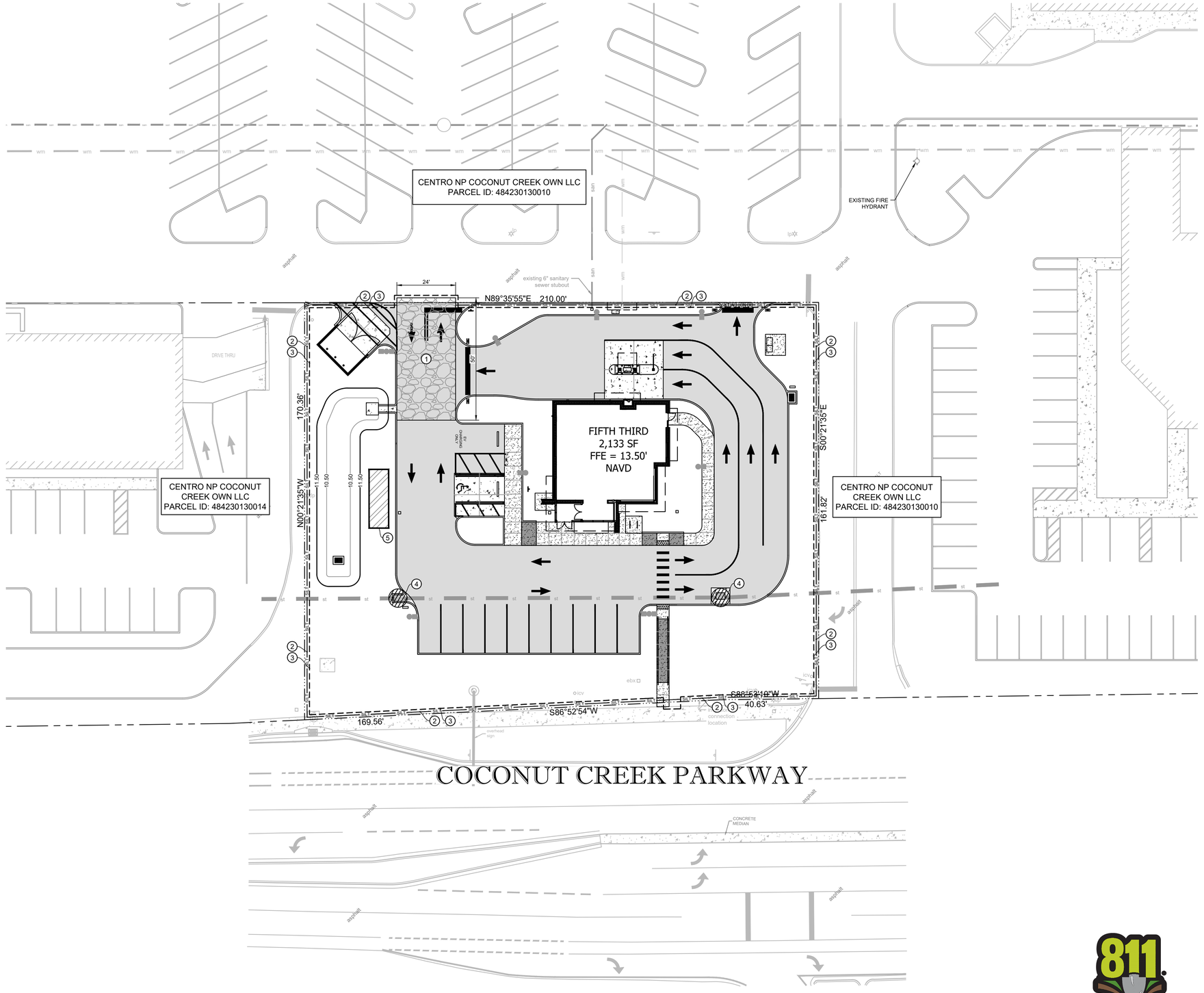
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SHEET TITLE

EROSION CONTROL PLAN PHASE I

SHEET NUMBER

C06.02



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PLAN VIEW | SCALE: AS NOTED | -

LEGEND

- PROPERTY LINE
- EXISTING CONCRETE TO REMAIN
- EXISTING TO REMAIN
- SILT FENCE
- LIMITS OF CONSTRUCTION
- INLET PROTECTION
- EXISTING CONTOUR
- EXISTING GRADE ELEVATION

GENERAL NOTES

- ALL MATERIALS INCLUDING FILL STOCKPILES SHALL NOT BE PERMANENTLY LOCATED ON THE UNDEVELOPED AREA OF PROPOSED DEVELOPMENT.
- ALL DISTURBED AREAS OF UNDEVELOPED PROPERTY SHALL BE HYDROMULCHED WITH SEED TO ESTABLISH TURN AND PREVENT SILT RUNOFF INTO THE STREETS.

EROSION CONTROL KEYED NOTES

1	CRUSHED STONE CONSTRUCTION ENTRANCE AND CONCRETE TRUCK WASHOUT AREA
2	SILT FENCE
3	LIMITS OF CONSTRUCTION (0.77 AC)
4	INLET PROTECTION

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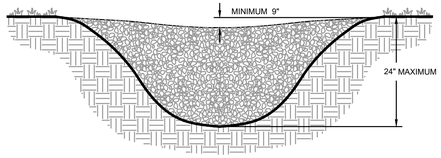
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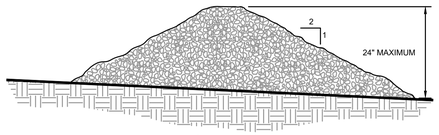
EROSION CONTROL PLAN PHASE II

SHEET NUMBER

C06.03



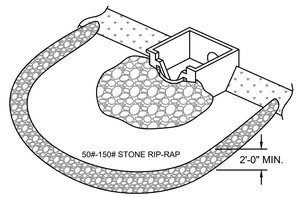
CROSS SECTION



PROFILE VIEW

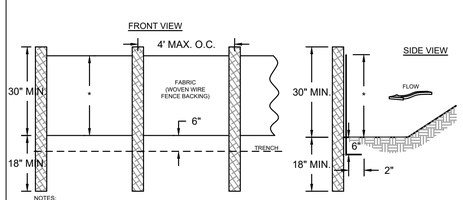
NOTES:
1. CHECK DAMS ARE TO BE USED ONLY IN SMALL OPEN CHANNELS (THEY ARE NOT TO BE USED IN LIVE STREAMS)
2. THE DRAINAGE AREA FOR STONE CHECK DAMS SHALL NOT EXCEED TWO ACRES.
3. THE CENTER OF THE CHECK DAM MUST BE AT LEAST 9 INCHES LOWER THAN THE OUTER EDGES.
4. THE DAM HEIGHT SHOULD BE A MAXIMUM OF 2 FEET FROM CENTER TO RIM EDGE.
5. THE SIDE SLOPES OF THE CHECK DAM SHALL NOT EXCEED A 2:1 SLOPE.
6. GEOTEXTILE SHALL BE USED TO PREVENT THE MITIGATION OF SUBGRADE SOIL PARTICLES INTO THE STONES (REFER TO AASHTO M288-96, SECTION 7.3, TABLE 3).

STONE CHECK DAM



A TEMPORARY STONE BARRIER CONSTRUCTED AT STORM DRAIN INLETS AND POND OUTLETS TO REDUCE FLOW VELOCITIES, PREVENT FAILURE OF OTHER SEDIMENT CONTROL DEVICES AND TO PREVENT SEDIMENT FROM LEAVING THE SITE OR ENTERING DRAINAGE SYSTEMS.

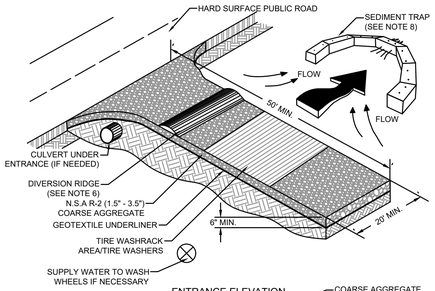
STONE FILTER RING



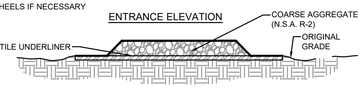
NOTES:
1. USE STEEL OR WOOD POSTS OR AS SPECIFIED BY THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
2. HEIGHT (Y) IS TO BE SHOWN ON THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
3. DOT ALTERNATIVE

Sd1-S SILT FENCE - TYPE SENSITIVE

EXIT DIAGRAM

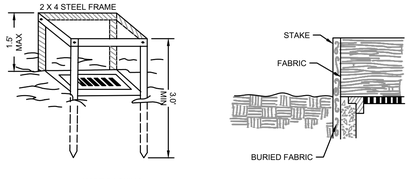


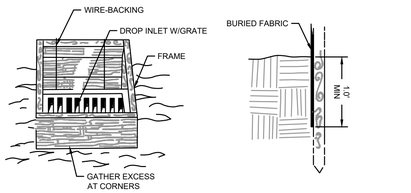
ENTRANCE ELEVATION



NOTES:
1. AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS.
2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE, AND CROWN FOR POSITIVE DRAINAGE.
3. AGGREGATE SIZE SHALL BE IN ACCORDANCE WITH NATIONAL STONE ASSOCIATION R-2 (1.5"-3.5" STONE).
4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6".
5. PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20'.
6. A DIVERSION RIDGE SHOULD BE CONSTRUCTED WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%.
7. INSTALL PIPE UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
8. WHEN WASHING IS REQUIRED, IT SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN (DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE ENTRANCE TO A SEDIMENT CONTROL DEVICE).
9. WASHRACKS AND/OR TIRE WASHERS MAY BE REQUIRED DEPENDING ON SCALE AND CIRCUMSTANCE. IF NECESSARY, WASHRACK DESIGN MAY CONSIST OF ANY MATERIAL SUITABLE FOR TRUCK TRAFFIC THAT REMOVE MUD AND DIRT.
10. MAINTAIN AREA IN A WAY THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

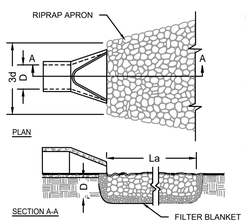
CRUSHED STONE CONSTRUCTION EXIT





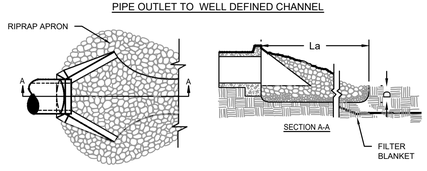
Sd2-F INLET SEDIMENT TRAP-FILTER FABRIC

PIPE OUTLET TO FLAT AREA -- NO WELL DEFINED CHANNEL

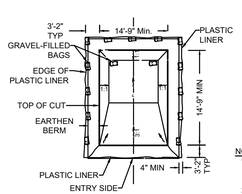


NOTES:
1. La IS THE LENGTH OF THE RIPRAP APRON.
2. D = 1.5 TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESS THAN 6"
3. IN A WELL-DEFINED CHANNEL, EXTEND THE APRON UP THE CHANNEL BANKS TO AN ELEVATION OF 6" ABOVE THE MAXIMUM TAILWATER DEPTH OR TO THE TOP OF THE BANK (WHICHEVER IS LESS).
4. A FILTER BLANKET OR FILTER FABRIC SHOULD BE INSTALLED BETWEEN THE RIPRAP AND THE SOIL FOUNDATION.

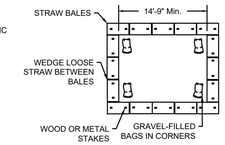
PIPE OUTLET TO WELL DEFINED CHANNEL



St STORM OUTLET PROTECTION

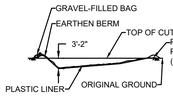


BELOW GRADE PLAN



NOTES:
1. STRAW BALES ARE TO BE STACKED 2 HIGH WITH TWO METAL OR WOOD STAKES PER BALE. STAKES ARE TO BE DRIVEN INTO THE GROUND A MINIMUM OF 1 FOOT.
2. PLASTIC LINER TO BE PLACED SO THAT AN EXCESS OF 6 INCHES WILL BE OVER THE OUTSIDE EDGE OF THE BALES.
3. A MINIMUM OF TWO 8"x2"x8" 16 GAUGE STEEL ANCHOR PINS (OR LARGER) ARE TO BE USED PER BALE TO ANCHOR THE PLASTIC LINER IN PLACE.

ON GRADE PLAN



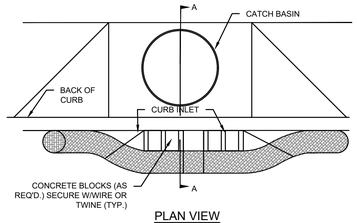
SECTION A-A



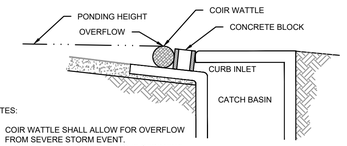
EARTHEN BERM SECTION

NOTES:
1. WASHOUT OF THE DRUM AT THE CONSTRUCTION SITE IS PROHIBITED.
2. A SUITABLE WASHOUT FACILITY MUST BE PROVIDED FOR THE CLEANING OF CHUTES, MIXERS, AND HOPPERS OF THE DELIVERY VEHICLES UNLESS SUCH A FACILITY WILL BE USED AT THE SOURCE OF THE CONCRETE.UNDER NO CIRCUMSTANCES MAY WASH WATER FROM THESE VEHICLES BE ALLOWED TO ENTER ANY SURFACE WATERS.
3. A 4'X2' WHITE SIGN WITH 6" BLACK LETTERS STATING "CONCRETE WASHOUT" IS TO BE PROVIDED SO DRIVERS ARE AWARE OF THE PRESENCE OF WASHOUT FACILITIES.
4. WASHOUT FACILITIES SHOULD NOT BE PLACED WITHIN 50 FEET OF STORM DRAINS, OPEN DITCHES OR SURFACE WATERS. THEY SHOULD BE IN A CONVENIENT LOCATION FOR THE TRUCKS, PREFERABLY NEAR THE PLACE WHERE THE CONCRETE IS BEING POURED, BUT FAR ENOUGH FROM OTHER VEHICULAR TRAFFIC TO MINIMIZE THE POTENTIAL FOR ACCIDENTAL DAMAGE OR SPILLS.
5. THE CONTRACTOR SHALL INSPECT THE WASH DOWN AREA INTERMITTENTLY TO ENSURE PROPER CONTAINMENT IS ACCOMPLISHED.
6. IN THE EVENT OF A SPILL OR LEAK THE CONTRACTOR SHALL IMMEDIATELY REPORT & REMEDIATE SAME IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL LAWS.

Cw TEMPORARY CONCRETE WASHOUT FACILITY



PLAN VIEW



NOTES:
1. COIR WATTLE SHALL ALLOW FOR OVERFLOW FROM SEVERE STORM EVENT.
2. INSPECT BARRIERS AND REMOVE SEDIMENT AFTER EACH STORM EVENT. SEDIMENT MUST BE REMOVED FROM THE TRAVELED WAY IMMEDIATELY.

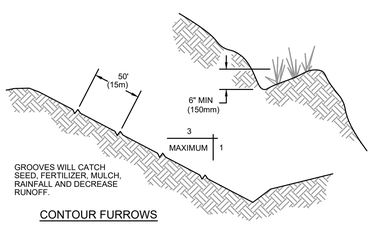
SECTION A - A

Sd2-P CURB INLET SEDIMENT BARRIER (COIR WATTLE)



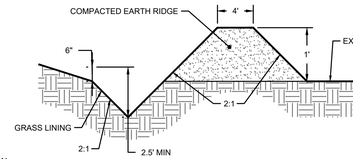
'TRACKING' WITH MACHINERY UP AND DOWN THE SLOPE PROVIDES GROOVES THAT WILL CATCH SEED, RAINFALL AND REDUCE RUNOFF.

TRACKING

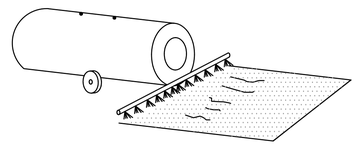


CONTOUR FURROWS

Su SURFACE ROUGHENING



Di DIVERSION



TEMPORARY METHODS
- MULCHES
- TEMPORARY VEGETATIVE COVER
- SPRAY ON ADHESIVES
- TILLAGE
- IRRIGATION
- BARRIERS
- CALCIUM CHLORIDE

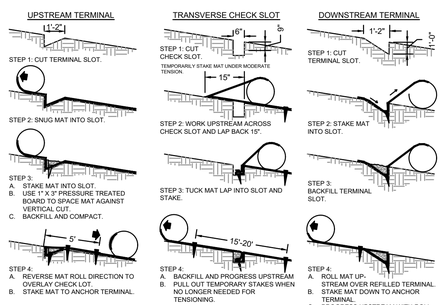
PERMANENT METHODS
- PERMANENT VEGETATION
- TOPSOILING
- STONE COVER

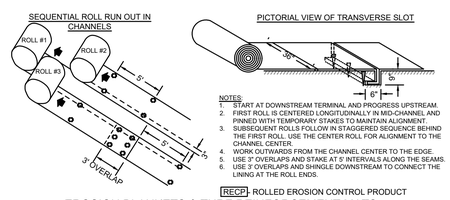
CHEMICAL CONTROL

ADHESIVE	WATER DILUTION	TYPE OF NOZZLE	APPLICATION RATE (GAL/AC)
ANIOIC ASPHALT EMULSION	7.1*	SPRAY	1200
LATEX EMULSION	12 1/2:1*	FINE SPRAY	235
RESIN-IN-WATER EMULSION	4:1*	FINE SPRAY	300

*USE MANUFACTURER'S RECOMMENDATIONS WHEN AVAILABLE

Du DUST CONTROL ON DISTURBED AREAS





NOTES:
1. START AT DOWNSTREAM TERMINAL AND PROGRESS UPSTREAM.
2. FIRST ROLL IS CENTERED LONGITUDINALLY IN MID-CHANNEL AND PINNED WITH TEMPORARY STAKES TO MAINTAIN ALIGNMENT.
3. SUBSEQUENT ROLLS FOLLOW IN STAGGERED SEQUENCE BEHIND THE FIRST ROLL. USE THE CENTER ROLL FOR ALIGNMENT TO THE CHANNEL CENTER.
4. WORK OUTWARDS FROM THE CHANNEL CENTER TO THE EDGE.
5. USE 3' OVERLAPS AND STAKE AT 5' INTERVALS ALONG THE SEAMS.
6. USE 3' OVERLAPS AND SHINGLE DOWNSTREAM TO CONNECT THE LINING AT THE ROLL ENDS.

RECP ROLLED EROSION CONTROL PRODUCT

Ss EROSION BLANKETS & TURF REINFORCEMENT MATS
INSTALL NORTH AMERICAN GREEN SC-150 EROSION BLANKET OR EQUAL U.N.O. INSTALL PER MANUFACTURES SPECIFICATIONS.

GENERAL NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING SILT FROM SITE IF NOT REUSABLE ON-SITE AND ASSURING PLAN ALIGNMENT AND GRADE IN ALL DITCHES AND SWALES AT COMPLETION OF CONSTRUCTION.
2. THE SITE CONTRACTOR IS RESPONSIBLE FOR REMOVING THE TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES AFTER COMPLETION OF CONSTRUCTION AND ONLY WHEN AREAS HAVE BEEN STABILIZED.
3. ADDTIONAL PROTECTION - ON-SITE PROTECTION IN ADDITION TO THE ABOVE MUST BE PROVIDED THAT WILL NOT PERMIT SILT TO LEAVE THE PROJECT CONFINES DUE TO UNSEEN CONDITIONS OR ACCIDENTS.
4. CONTRACTOR SHALL INSURE THAT ALL DRAINAGE STRUCTURES, PIPES. ETC. ARE CLEANED OUT AND WORKING PROPERLY AT TIME OF ACCEPTANCE.
5. THE CONTRACTOR IS RESPONSIBLE FOR FOLLOWING THE BEST MANAGEMENT PRACTICES (BMP) AND MOST CURRENT EROSION AND SEDIMENT CONTROL PRACTICES. THIS PLAN INDICATES THE MINIMUM EROSION AND SEDIMENT MEASURES REQUIRED FOR THIS PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR MEETING ALL APPLICABLE RULES, REGULATIONS AND WATER QUALITY GUIDELINES AND MAY NEED TO INSTALL ADDITIONAL CONTROLS.

PRE-Construction SITE PROTECTION:

8. EROSION AND SEDIMENT CONTROL BARRIERS SHALL BE PLACED ADJACENT TO ALL WETLAND AREAS WHERE THERE IS POTENTIAL FOR DOWNSTREAM WATER QUALITY DEGRADATION. SEE DETAIL SHEET FOR TYPICAL CONSTRUCTION.
9. ANY DISCHARGE FROM DEWATERING ACTIVITY SHALL BE FILTERED AND CONVEYED TO THE OUTFALL IN A MANNER WHICH PREVENTS EROSION AND TRANSPORTATION OF SUSPENDED SOLIDS TO THE RECEIVING OUTFALL.
10. DEWATERING PUMPS SHALL NOT EXCEED THE CAPACITY OF THAT WHICH REQUIRES A CONSUMPTIVE USE PERMIT FROM THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.
11. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE-THIRD (1/3) THE HEIGHT OF THE BARRIER OR INLET. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.
12. ALL DISTURBED AREAS ARE TO BE STABILIZED THROUGH COMPACTION. SILT SCREENS, SYNTHETIC BALES, AND GRASSING. ALL FILL SLOPES 3:1 OR STEEPER TO RECEIVE STAKED SOLID SOD.

SITE PROTECTION:

13. THE FILTER BARRIER SHALL BE ENTRENCHED AND BACKFILLED PROPERLY. A TRENCH SHALL BE EXCAVATED TO A MINIMUM DEPTH OF 6 INCHES. BARRIER IS STAKED. THE EXCAVATED SOIL OR GRAVEL SHALL BE BACKFILLED AND COMPACTED AGAINST THE FILTER BARRIER. USING WIRE BACKING FOR SUPPORT IS DISCOURAGED DUE TO DISPOSAL PROBLEMS.
14. WATER OR SLURRY USED TO CONTROL DUST SHALL BE RETAINED ON THE SITE AND NOT ALLOWED TO RUN DIRECTLY INTO WATERCOURSE OR STORMWATER CONVEYANCE SYSTEMS.
15. SPECIAL AREAS SHALL BE DESIGNATED AS VEHICLE AND EQUIPMENT WASHING AREAS AND SUCH AREAS SHALL NOT ALLOW RUNOFF TO FLOW DIRECTLY INTO WATERCOURSE OR STORMWATER CONVEYANCE SYSTEMS.
16. SILT FENCE BARRIERS ARE NOT TO BE USED WHERE CONCENTRATED FLOWS OF WATER ARE ANTICIPATED SUCH AS DRAINAGE DITCHES. AROUND INLETS OR ABOVE/ BELOW WHERE CULVERTS DISCHARGE.
17. SYNTHETIC BALES, SANDBAGS OR OTHER APPROVED DEVICE FACED WITH FILTER FABRIC SHALL BE USED IN HIGH VOLUME AREAS TO DECREASE THE RUNOFF VELOCITY AND SHALL BE SECURELY ANCHORED.
18. ALL DEVICES INCLUDING SILT FENCE. FILTER BARRIERS. SYNTHETIC BALES AND/OR SANDBAGS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED BARRIERS. END RUNS AND UNDERCUTTING BENEATH BARRIERS.
19. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
20. SHOULD THE FABRIC ON A SILT FENCE OR FILTER BARRIER DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL BE NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.

STORM DRAIN INLET PROTECTION:

21. FILTER FABRIC SHALL BE LAID OVER INLETS SO THAT THE FABRIC EXTEND A MINIMUM OF 1 FOOT BEYOND EAST SIDE OF THE INLET STRUCTURE. IF MORE THAN ONE STRIP OF FABRIC IS NECESSARY, THE STRIPS SHALL BE OVERLAPPED.
22. 2 INCH - 3 INCH COARSE AGGREGATE SHALL BE PLACED OVER THE FILTER FABRIC. THE DEPTH OF STONE SHALL BE AT LEAST 6 INCHES OVER THE ENTIRE INLET OPENING. THE STONE SHALL EXTEND BEYOND THE INLET OPENING AT LEAST 18 INCHES ON ALL SIDES.
23. IF STONE FILTERS BECOME CLOGGED WITH SEDIMENT SO THAT THEY NO LONGER ADEQUATELY PERFORM THEIR FUNCTION, THE STONES MUST BE PULLED AWAY FROM THE INLET, CLEANED AND REPLACED.

POST-CONSTRUCTION SITE PROTECTION:

24. ALL DEWATERING, EROSION AND SEDIMENT CONTROL TO REMAIN IN PLACE AFTER COMPLETION OF CONSTRUCTION AND REMOVED ONLY WHEN AREAS HAVE STABILIZED.
25. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER TEMPORARY BARRIERS ARE NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA IN SUCH A MANNER THAT IT WILL NOT ERODE.
26. ALL DISTURBED AREAS SHALL BE GRASSED, FERTILIZED, MULCHED AND MAINTAINED UNTIL A PERMANENT VEGETATIVE COVER IS ESTABLISHED.
27. SOD SHALL BE PLACED IN AREAS WHICH MAY REQUIRE IMMEDIATE EROSION PROTECTION TO ENSURE WATER QUALITY STANDARDS ARE MAINTAINED.

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www.iegroup.net
FL Cert. of Auth. No 27889

IEG JOB NO. 15-328.00

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FL REG. NO. 64085

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ISSUE	BY	DATE	DESCRIPTION
		09/05/24	PERMIT SET

PROJECT INFORMATION BLOCK

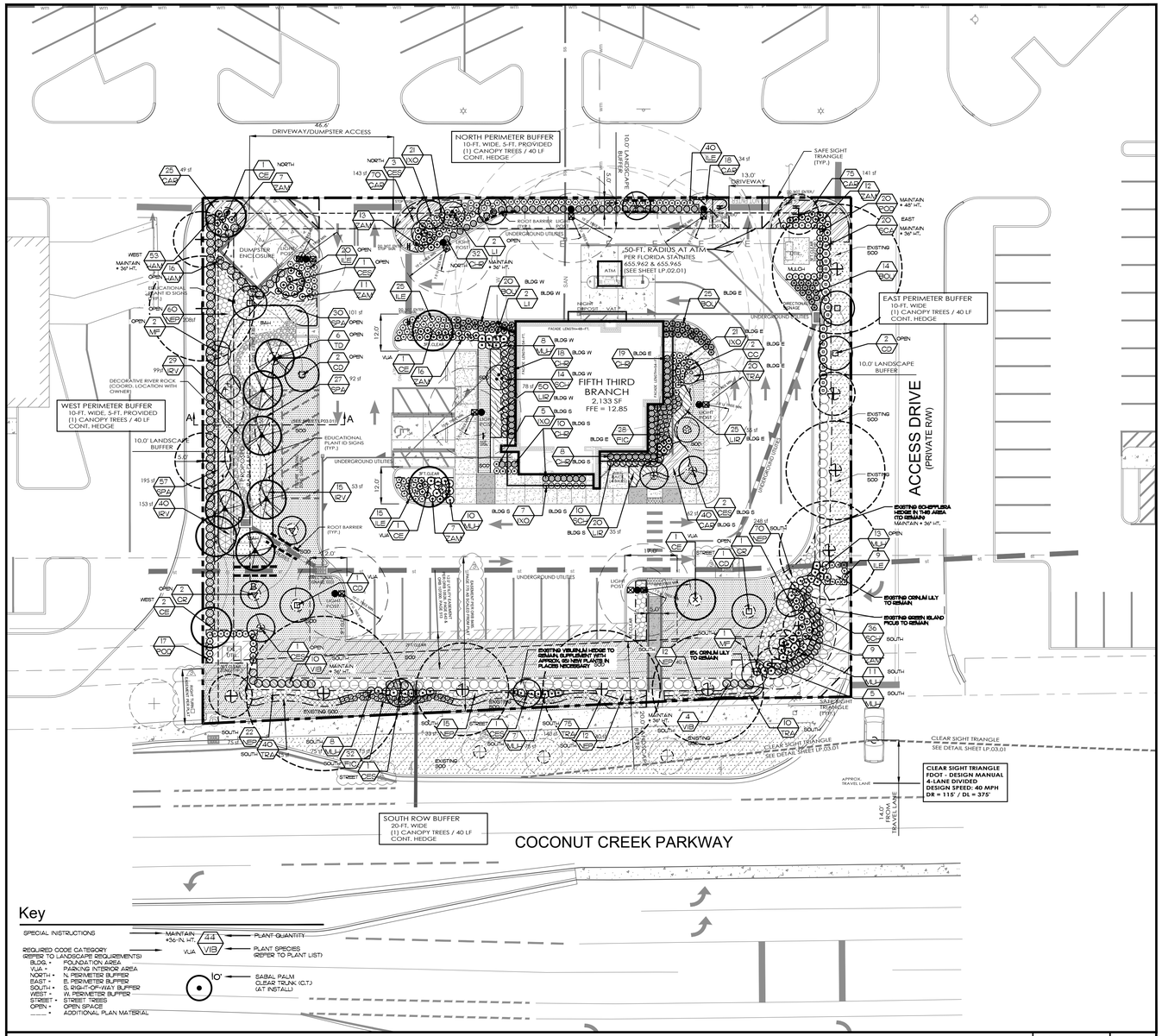
JOB #	230649
DATE:	09/05/24
DRAWN BY:	IEG
CHECKED BY:	IEG

SHEET TITLE

EROSION AND SEDIMENTATION CONTROL DETAILS

SHEET NUMBER

C06.04



Key

SPECIAL INSTRUCTIONS

REQUIRED CODE CATEGORY (REFER TO LANDSCAPE REQUIREMENTS)
BLDG. - FOUNDATION AREA
VUA - PARKING INTERIOR AREA
NORTH - N. PERIMETER BUFFER
EAST - E. PERIMETER BUFFER
SOUTH - S. RIGHT-OF-WAY BUFFER
WEST - W. PERIMETER BUFFER
STREET - STREET TREES
OPEN - OPEN SPACE
_____ - ADDITIONAL PLAN MATERIAL

MAINTAIN @ 36"-IN. HT.
4-4 — PLANT QUANTITY
VIB — PLANT SPECIES (REFER TO PLANT LIST)
10' — SABAL PALM CLEAR TRUNK (CT.) (AT INSTALL)

PLAN VIEW | SCALE | 1" = 20' | -

City of Coconut Creek Standard Landscape Notes

CITY OF COCONUT CREEK
STANDARD LANDSCAPE NOTES

1. ALL LANDSCAPE AND SPECIFICATIONS SHALL MEET OR EXCEED THE MINIMUM REQUIREMENTS AS PROVIDED IN THE CITY OF COCONUT CREEK LAND DEVELOPMENT CODE. PLANS ARE INCOMPLETE WITHOUT WRITTEN NOTES AND SPECIFICATIONS.
2. ALL PLANTING MATERIAL SHALL MEET OR EXCEED FLORIDA GRADE #1 AS SPECIFIED IN GRADES AND STANDARDS FOR NURSERY PLANTS, CURRENT EDITION. TREES SHALL NOT BE TIPPED, TOPPED, OR SHAPED PRIOR TO INSTALLATION.
3. LANDSCAPE SHALL BE PLACED TO EDGE OF ABUTTING STREETS, CANALS, LAKES OR OTHER LANDS.
4. ALL MECHANICAL EQUIPMENT, AIR CONDITIONING, IRRIGATION PUMP STATIONS AND EQUIPMENT, FPL TRANSFORMERS, POOL PUMPS, ETC., MUST BE SCREENED ON THREE (3) SIDES BY LANDSCAPE SHRUBS.
   NOTE: THE QUANTITY OF SCREENING SHRUBS IS IN ADDITION TO THE REQUIRED NUMBER OF SHRUBS AS PROVIDED IN THE CODE CALCULATION TABLE. ALL SCREENING SHRUBS SHALL BE PLANTED FOR PROPER OPERATION OF EQUIPMENT BEING SCREENED AND/OR PER THE REQUIREMENTS OF THE UTILITY AS NECESSARY. ALL HEDGE MATERIAL REQUIRED FOR SCREENING PURPOSES SHALL BE PLANTED WITH BRANCHES TOUCHING. ADJUST ON-CENTER SPACING AS NECESSARY AND/OR PROVIDE ADDITIONAL PLANTS TO PROVIDE AN ADEQUATE SCREEN.
5. SIGHT DISTANCE CONCERNS MUST BE MAINTAINED FOR CLEAR SIGHT VISIBILITY FROM THIRTY (30) INCHES TO SEVENTY-TWO INCHES. TREE TRUNKS EXCLUDED. MEASUREMENT SHALL BE MADE FROM TOP OF ROOT BALL PLANTED AT PROPER ELEVATION.
6. ALL TREES AND PALMS PLANTED AS TREES SHALL BE SECURELY GUYED, BRACED, AND/OR STAKED WITH SISAL ROPE OR OTHER ORGANIC MATERIAL AT THE TIME OF PLANTING UNTIL ESTABLISHMENT. NO SYNTHETIC MATERIAL MAY BE USED AROUND THE TREE TRUNK. GUYING/STAKING PRACTICES SHALL NOT PERMIT NAILS, SCREWS, WIRES, ETC., TO PENETRATE OUTER SURFACES OF TREES, PALMS OR OTHER PLANT MATERIAL. TREES, PALMS AND PLANT MATERIAL REJECTED DUE TO THIS PRACTICE SHALL BE REPLACED WITH THE INSPECTOR ON SITE.
7. BURLAP MATERIAL, WIRE CAGES, CANVAS STRAPS, ETC., MUST BE CUT AND REMOVED FOR THE TOP ONE-HALF (1/2) DEPTH OF THE ROOT BALL. TREES AND SHRUBS GROWN IN GROW BAGS OR WITH ANY SYNTHETIC MATERIAL MUST HAVE SUCH MATERIAL REMOVED ENTIRELY PRIOR TO PLANTING THE TREE OR SHRUB.
8. ALL PLANT MATERIAL SHALL BE FREE OF PESTS, INSECTS, DISEASE, WEEDS, ETC.
9. ALL REQUIRED LANDSCAPE MATERIAL SHALL BE INSTALLED USING A PLANTING SOIL MIX COMPRISED OF A TYPE APPROPRIATE TO THE INDIVIDUAL PROPOSED PLANT MATERIAL AND THE NATIVE SOIL FOUND ON THE SITE.
10. ALL PLANT MATERIAL SHALL BE PLANTED AT THE PROPER DEPTH SO THE TOP OF THE ROOT BALL IS FLUSH OR SLIGHTLY ABOVE FINISHED GRADE IMMEDIATELY AFTER PLANTING. ALL TREES SHOULD PROVIDE TRUNK TAPER WHEN PROPERLY PLANTED AT THE CORRECT PLANTING DEPTH.
11. ALL PLANT MATERIAL SHALL BE WATERED IN AT TIME OF PLANTING TO ELIMINATE AIR POCKETS IN THE ROOT ZONE AREA.
12. UPON COMPLETION OF WORK, THE SITE SHALL BE CLEARED OF ALL DEBRIS, SUPERFLUOUS MATERIALS, AND EQUIPMENT CAUSED BY THIS PERMIT TO THE SATISFACTION OF THE INSPECTOR.
13. REFER TO COCONUT CREEK FIRE EQUIPMENT CLEAR ZONE DIAGRAM TO MAINTAIN A SAFE ZONE AROUND FIRE HYDRANTS.
14. DO NOT PLANT TREES, SHRUBS OR GROUNDCOVER WITHIN ELECTRIC METER CLEAR ZONE. PROVIDE A SAFE ZONE AS DESCRIBED BY THE ELECTRICAL INSPECTOR.
15. ALL LANDSCAPED AREAS SHALL BE PROVIDED WITH AN UNDERGROUND FULLY AUTOMATIC IRRIGATION SYSTEM . SYSTEM SHALL PROVIDE 100% COVERAGE WITH 50% OVERLAP (MINIMUM) USING RUST FREE WATER, EXCEPT PRESERVED AREAS REMAINING IN NATURAL STATE. A RAIN SENSOR DEVICE OR SWITCH SHALL BE INSTALLED THAT WILL OVERRIDE THE IRRIGATION SYSTEM WHEN ADEQUATE RAINFALL HAS OCCURRED. WATER SHALL NOT BE DIRECTED AND/OR PROVIDED ONTO IMPERVIOUS SURFACES AND/OR BE DESIGNED OR INSTALLED TO THROW WATER OVER AN IMPERVIOUS SURFACE SUCH AS A SIDEWALK, ETC. HOURS OF OPERATION FOR ALL IRRIGATION SYSTEMS SHALL BE SET FORTH BY SOUTH FLORIDA WATER MANAGEMENT DISTRICT OR OTHER JURISDICTIONAL AGENCY.
16. IRRIGATION PERMITS AND PLANS SHALL BE SUBMITTED FOR APPROVAL AT TIME OF BUILDING PERMITS.
17. ALL NON-SINGLE FAMILY OR DUPLEX IRRIGATION SYSTEMS OTHER THAN CITY WATER SYSTEMS SHALL REQUIRE A SOUTH FLORIDA WATER MANAGEMENT DISTRICT WATER USE PERMIT PRIOR TO ISSUANCE OF AN IRRIGATION PERMIT AND INSTALLATION OF THE IRRIGATION SYSTEM AS REQUIRED.
18. ALL SITE AMENITIES TO INCLUDE SITE STREET LIGHTS, LANDSCAPE COMMON OPEN SPACE, IRRIGATION COMMON OPEN SPACE, BUFFERS, BERMS, LANDSCAPE ENTRY FEATURES, ETC. LEADING UP TO AND INCLUDING THE MODEL CENTER AND/OR FIRST CERTIFICATE OF OCCUPANCY MUST BE COMPLETED AND FUNCTIONAL PRIOR TO ISSUANCE OF THE FIRST REQUESTED CERTIFICATE OF OCCUPANCY.
19. THE HEIGHT OF ALL REQUIRED, DESIGNED AND INSTALLED BERMS SHALL BE FROM THE HIGHEST ADJACENT POINT WHETHER IT IS THE SIDEWALK, PARKING AREA, VEHICULAR USE AREA, SURROUNDING GROUND, ETC. WHERE A BERM ABUTS A SIDEWALK, THERE SHALL BE A ONE (1) FOOT LEVEL SOD AREA ADJACENT TO THE SIDEWALK PRIOR TO THE START OF INCLINE FOR THE BERM.
20. AN INSPECTION IS REQUIRED PRIOR TO THE BACKFILLING OF TREES/PALMS IN ALL PARKING MEDIANS AND ISLANDS.
21. A TREE REMOVAL PERMIT IS REQUIRED PRIOR TO THE REMOVAL OR TRANSPLANTATION OF ANY TREE AND/OR PALM.

NOTE: THIS COMMENT SHEET IS TO BE PLACED ON ALL LANDSCAPE PLANS "AS IS".

Plant List

	SYM	BOTANICAL NAME/ COMMON NAME	HEIGHT/ SPREAD (MINIMUMS)	SPECIFICATION (MINIMUMS)	NATIVE	DROUGHT TOLERANT	TOTAL	MAX. PERENTAGE
CAT. 1 CANOPY TREES	● CE	CONOCARPUS ERECTUS GREEN BUTTONWOOD	12' HT. 5' SPR.	FIELD GROWN, B&B 2" CAL., 4' C.T. MIN.	Y	H	6	
	● TD	TAXODIUM DISTICHUM BALD CYPRESS	12' HT. 5' SPR.	FIELD GROWN, B&B 2" CAL., 4' C.T. MIN.	Y	M	6	
CAT. 2 TREES	□ CES	CONOCARPUS ERECTUS SERICEUS SILVER BUTTONWOOD	10' HT. 4' SPR.	FIELD GROWN,B &B 2" CAL.	Y	H	9	2 3 %
	□ CD	COCCOLOBA DIVERSIFOLIA PIGEON PLUM	10' HT. 4' SPR.	FIELD GROWN, B&B 2" CAL.	Y	H	6	
	□ CR	CLUSIA ROSEA PITCH APPLE	10' HT. 4' SPR.	FIELD GROWN, B&B 2" CAL.	Y	H	3	
CAT. 3 SM. TREES	▽ CC	CAPPARIS CYNOPHALLOPHARA JAMAICA CAPER	8' HT 4' SPR.	FIELD GROWN, B&B 1.5" CAL.	Y	H	2	
	▽ LI	LAGERSTROEMIA INDICA CRAPE MYRTLE	8' HT 4' SPR.	FIELD GROWN, MULTI TRUNK 1-1/2" CAL. FOR (1) TRUNK MIN.	N	H	4	
	▽ MF	MYRICANTHES FRAGRANS SIMPSON STOPPER	8' HT 4' SPR.	FIELD GROWN, MULTI TRUNK 1-1/2" CAL. FOR (1) TRUNK MIN.	Y	H	3	
				TOTAL PROPOSED TREES			3 9	100 %
SHRUBS	CHR	CHRYSOBALANUS ICACO COCOPLUM	24" X 18"	24" - 30" O.C. AS SHOWN FULL TO BASE	Y	H	8 7	2 2 %
	HAM	HAMELIA PATENS FIREBUSH	24" X 18"	30" O.C. FULL TO BASE	Y	H	6 9	
	IXO	IXORA 'NORA GRANT' IXORA	24" X 18"	24" O.C. FULL TO BASE	N	H	5 4	
	MJH	MUHLENBERGIA CAPILLARIS PINK MUHLYGRASS	24" X 18"	24" O.C. FULL TO BASE	Y	H	6 2	
	POD	PODOCARPUS MACROPHYLLUS PODOCARPUS	4' HT. X 18"	24" O.C. FULL TO BASE	N	H	3 7	
	SCA	SCHEFFLERA ARBORICOLA GREEN SCHEFFLERA	24" X 18"	36" O.C. FULL TO BASE	N	H	2 0	
	SCH	SCHEFFLERA ARBORICOLA 'TRINETTE' VARIEGATTED SCHEFFLERA	24" X 18"	36" O.C. FULL TO BASE	N	H	6 0	
	VIB	VIBURNUM SUSPENSUM SANDANKWA VIBURNUM	24" X 18"	36" O.C. FULL TO BASE	N	H	1 4	
				TOTAL PROPOSED SHRUBS			4 0 3	100 %
SMALL SHRUBS & GROUNDCOVERS	BOU	BOUGAINVILLEA SSP BOUGAINVILLEA BUSH	12" X 18"	24" O.C.	N	H	5 9	
	CAR	CARISSA MACROCARPA 'GREEN ISLAND' GREEN ISLAND FICUS'	12" X 18"	18" O.C. FULL TO BASE	N	H	6 0	
	FIC	FICUS MICROCARPA 'EVERGREEN BLANKET'	12" X 18"	18" O.C. FULL TO BASE	N	H	2 2 8	2 0 %
	ILE	ILEX VOMITORIA 'SHILLINGS' DWARF YAUPON HOLLY	12" X 18"	24" O.C. FULL TO BASE	Y	H	1 0 9	
	IRV	IRIS VIRGINICA BLUE FLAG IRIS	12" X 18"	24" O.C. FULL TO BASE	Y	H	8 4	
	LIR	LIRIOPE MUSCARI LIRIOPE	12" X 18"	1 GAL, 18" O.C. FULL	N	M	9 5	
	NEP	NEPHROLEPIS EXALTATA SWORD FERN	18" X 18"	24" O.C. FULL TO BASE	Y	H	1 9 1	
	SPA	SPARTINA BAKERII SAND CORDGRASS	12" X 18"	24" O.C. FULL TO BASE	Y	H	1 1 4	
	TRA	TRACHELOSPERMUM ASIATICUM 'MINIMA' DWARF ASIATIC JASMINE	12" X 18"	18" O.C. FULL TO BASE	N	H	1 4 5	
	ZAM	ZAMIA PUMILA COONTIE	12" X 18"	24" O.C. FULL TO BASE	Y	H	7 5	
				TOTAL PROPOSED SMALL SHRUBS/GROUNDCOVERS			1, 1 6 0	100%
TURF GRASS	BAH	PASPALUM NOTATUM 'FLUGGE' ARGENTINE BAHIA SOD		DISEASE FREE, LAID TIGHTLY, EVEN UNIFORM	N	M	T.B.D.	
	SOD	STENOTAPHRUM SECUNDATUM ST. AUGUSTINE FLORITAM GRASS		DISEASE FREE, LAID TIGHTLY, EVEN UNIFORM	N	M	T.B.D.	

ALL PROPOSED TREES ARE ON THE CITY'S APPROVED LIST
✳ NOTE FOR ALL PLANTS: INCREASE THE HEIGHT TO OBTAIN THE MINIMUM SPREAD (AS NECESSARY)
● CATEGORY 1 REPLACEMENT TREES = 3,600 SF
□ CATEGORY 2 REPLACEMENT TREES = 2,700 SF.
▽ CATEGORY 3 REPLACEMENT TREES = 900 SF.

Landscape Requirements

	REQUIRED/ PERMITTED	PROVIDED
ZONING DISTRICT:		B-4
TOTAL SITE:		34,759 SF (0.8 AC.)
IMPERVIOUS AREA		19,688 SF (57%)
PERVIOUS AREA (OPEN SPACE)		15,071 SF (43%)
MINIMUM LANDSCAPE REQUIREMENTS:		
SEC. 13-443 (3)		
(34,759 SF LOT LESS 15,354 VUA, LESS 2,156 SF BLDG = 17,249 SF)		
(1) TREE/1,000 SF	18 TREES	18 TREES
INCLUDES (17) PROPOSED TREES		
(3) EXISTING PALMS = 1 TREE		
(5) SHRUBS/1,000 SF	86 SHRUBS	126 SHRUBS
FOUNDATION PLANTINGS		
SEC. 13-443(5) F.		
MIN 10-FT. WIDE		
WEST FACADE LENGTH:		54 LF
(1) TREE/40 LF	2 TREES	2 TREES
(20) SHRUBS/40 LF	27 SHRUBS	40 SHRUBS
(30) GROUNDCOVERS/40 LF	41 GC	70 GC
SOUTH FACADE LENGTH:		48 LF
(1) TREE/40 LF	2 TREES	2 TREES
(20) SHRUBS/40 LF	24 SHRUBS	40 SHRUBS
(30) GROUNDCOVERS/40 LF	36 GC	60 GC
EAST FACADE LENGTH:		54 LF
(1) TREE/40 LF	2 TREES	2 TREES
(20) SHRUBS/40 LF	27 SHRUBS	40 SHRUBS
(30) GROUNDCOVERS/40 LF	41 GC	98 GC
LANDSCAPE BUFFERS		
SEC. 13-443(7)		
ADJ. TO R.O.W. - MIN 20-FT. WIDE		
SOUTH - (COCONUT CREEK PARKWAY)		210 LF
(1) TREE/40 LF	6 TREES	6 TREES
INCLUDES (5) EXISTING TREES		
(1) PROPOSED TREES		
CONT. HEDGE	--	29 SHRUBS*
**PLUS EXISTING HEDGE*		
SHRUBS (40/2000SF OF O.S)		
(4,310 SF /2,000 X 40)	87 SHRUBS	117 SHRUBS
GROUNDCOVERS	--	157 PLANTS
PERIMETER BUFFER, - MIN 10-FT. WIDE		
SEC. 13-443(8)		
WEST - 5' WIDE PROVIDED		170 LF
(1) TREE/40 LF	5 TREES	5 TREES
INCLUDES (3) EXISTING TREES		
(2) PROPOSED TREES		
CONT. HEDGE	--	53 SHRUBS
NORTH - 5' WIDE PROVIDED		150 LF
(210 LF LESS 60' ACCESSWAY)		
(1) TREE/40 LF	4 TREES	4 TREES
INCLUDES (4) PROPOSED TREES		
CONT. HEDGE	--	32 SHRUBS
EAST -		162 LF
(1) TREE/40 LF	4 TREES	4 TREES
INCLUDES (4) EXISTING TREES		
CONT. HEDGE	--	20 SHRUBS*
**PLUS EXISTING HEDGE*		
VEHICULAR USE AREAS		
SEC. 13-443(10)		
PARKING ISLANDS		
(1) TREE / PARKING ISLAND	4 TREES	4 TREES
TOTAL VEHICULAR USE AREA:		15,354 SF. (44.2%)
OTHER VUA: (TOTAL VUA - (# SPACES X 300)		
15,354 SF - (12 X 300) = 11,754 SF		
ADDITIONAL VUA LANDSCAPE AREA		
(1 SF/ 100 SF OTHER VUA)	118 SF	934 SF.
STREET TREES		
SEC. 13-443(11)		
SOUTH - (COCONUT CREEK PARKWAY)		210 LF
(1) TREE/40 LF	6 TREES	6 TREES
⚠1 *INCLUDES (3) EXISTING TREES (WITHIN R.O.W.)*		
(3) PROPOSED TREES (ON-SITE)		

Existing Tree Replacement

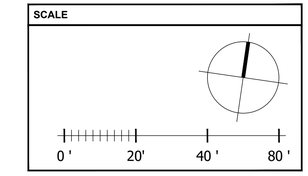
TOTAL CANOPY REMOVED:	3,940 SF
MITIGATION: (12) CAT. 1 TREES @ 300 SF = 3,600 SF	
(18) CAT. 2 TREES @ 150 SF = 2,700 SF	
(9) CAT. 3 TREE @ 100 SF = 900 SF	
TOTAL MITIGATION PROVIDED:	7,200 SF

PLEASE NOTE: A TREE REMOVAL PERMIT MUST BE PRIOR TO ANY CONSTRUCTION.

Addtional Requirements

	REQUIRED/ PERMITTED	PROVIDED
TOTAL TREES REQUIRED:	55 TREES	55 TREES
INCLUDES (16) EXISTING TREES		
(39) PROPOSED TREES		
CATEGORY 1 TREES (MIN. 40%)	22 TREES	25 TREES (45%)
INCLUDES (13) EXISTING TREES		
(12) PROPOSED TREES		
CATEGORY 2 TREES (MIN. 30%)	16 TREES	20 TREES (36%)
INCLUDES (2) EXISTING TREES		
(18) PROPOSED TREES		
CATEGORY 3 TREES (MAX. 30%)	16 TREES (MAX)	10 TREES (18%)
INCLUDES (1) EXISTING TREES (4 PALMS)		
(9) PROPOSED TREES		
NATIVE: 50% OF EACH CATEGORY		
LG. TREES: (12 PLANTS)	6 TREES	12 TREES (100%)
MD. TREES: (18 PLANTS)	9 TREES	15 TREES (83%)
SM. TREES: (9 PLANTS)	5 TREES	5 TREES (55%)
SHRUBS: (403 PLANTS)	202 PLANTS	218 PLANTS (54%)
SM. SHRUBS/ GROUNDCOVERS (1,146 PLANTS)	573 PLANTS	573 PLANTS (50%)
40% TREE CANOPY:	13,904 SF	17,425 SF (50%)
SITE AREA= 34,759 SF X 0.40 =		
CANOPY REMAINING = 10,375 SF		
CANOPY REPLACED = 7,050 SF		

SCALE



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FIFTH THIRD

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www.iegroup.net
FL Cert. of Auth. No 27889

IEG JOB NO. 15-328.00

SEAL — PATRICK D. CUNNINGHAM FL REG. NO. LA0001669

DATE

THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY (PATRICK D. CUNNINGHAM, #LA0001669) ON THE DATE ANDJOR TIME STAMP SHOWN USING A DIGITAL SIGNATURE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED BY A 3RD PARTY CERTIFICATE AUTHORITY ON ANY ELECTRONIC COPY. FAC. 61G15-23.004

ISSUE	BY	DATE	DESCRIPTION
	PDC	09/05/24	PERMIT SET
⚠1	PDC	12/20/24	DRC COMMENTS #1
⚠2	PDC	04/28/25	DRC ROUND 3
⚠3	PDC	06/25/25	DRC ROUND 4

PROJECT INFORMATION BLOCK

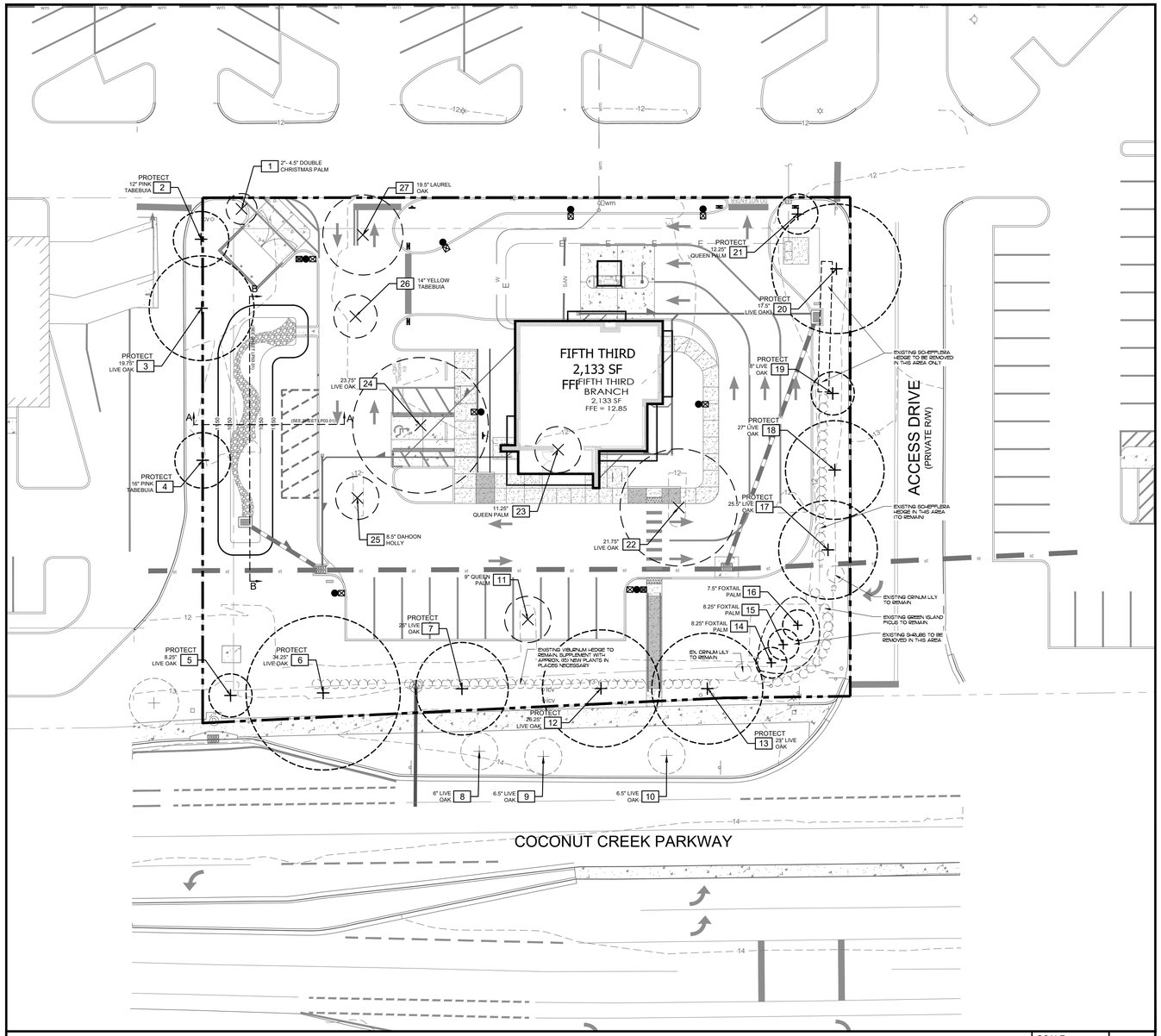
JOB #	230649
DATE:	09/05/2024
DRAWN BY:	PDC
CHECKED BY:	PDC

SHEET TITLE

LANDSCAPE PLAN

SHEET NUMBER

LP01.01



PLAN VIEW | SCALE 1" = 20' | -

Existing Tree Replacement

TOTAL CANOPY REMAINING: 10,375 SF
TOTAL CANOPY REMOVED: 3,940 SF

MITIGATION:
(12) CAT. 1 TREES @ 300 SF = 3,600 SF
(18) CAT. 2 TREES @ 150 SF = 2,700 SF
(9) CAT. 3 TREE @ 100 SF = 900 SF

TOTAL MITIGATION PROVIDED: 7,200 SF

PLEASE NOTE: A TREE REMOVAL PERMIT MUST BE PRIOR TO ANY CONSTRUCTION.

EXISTING VEGETATION TO REMAIN:

PALMS = (3) FOXTAIL PALMS
(1) QUEEN PALM
TREES = (2) PINK TABEBUIAS
(13) LIVE OAKS
TOTAL = (19) TREES/PALMS (4-SPECIES)

Existing Tree Inventory List

	NEW TREE #	ORIG. TREE #	COMMON NAME	BOTANICAL NAME	HEIGHT (FT)	WIDTH (FT)	DBH (IN)	CLEAR TRUNK (FT)	HEALTH CONDITION	HEALTH CONDITION %	CTLA 10TH EDITION APPRAISAL ($)	RELOCATABLE (Y/N)	OBSERVATIONS	TREE DISPOSITION	ESTIMATED CANOPY (SQ. FT.)
☐	1	101	CHRISTMAS PALM	ADONIDIA MERRILLII	18.2	10	4.5, 2		FAIR	53%	N/A	N	NUTRIENT DEFICIENCY, DOUBLE TRUNK	REMOVE	80
	2	201	PINK TABEBUIA	TABEBUIA HETEROPHYLLA	26.3	18	12		FAIR	54%	N/A	N	POOR STRUCTURE, CANOPY CROWDING, CONFINED ROOT SPACE, CANOPY DIEBACK	REMAIN	255
	3	202	LIVE OAK	QUERCUS VIRGINIANA	27.1	34	19.75		GOOD	64%	$6,200.00	N	POOR STRUCTURE, CONFINED ROOT SPACE, WATER SPROUTS, MINOR DEADWOOD, OVER LIFTED CANOPY, INSUFFICIENT ROOTBALL FOR RELOCATION	REMAIN	910
	4	203	PINK TABEBUIA	TABEBUIA HETEROPHYLLA	20.2	18	16		FAIR	48%	N/A	N	POOR STRUCTURE, CANOPY DIEBACK, DEADWOOD, DIRECTIONAL PRUNING AWAY FROM LIGHT POLE	REMAIN	255
	5	204	LIVE OAK	QUERCUS VIRGINIANA	22.2	14	8.25		FAIR	53%	N/A	N	POOR STRUCTURE, CANOPY CROWDING, TRUNK LEAN	REMAIN	155
	6	205	LIVE OAK	QUERCUS VIRGINIANA	35.3	50	34.25		GOOD	62%	$17,200.00	N	POOR STRUCTURE, CANOPY CROWDING, CONFINED ROOT SPACE, DIRECTIONAL PRUNING AWAY FROM LIGHT POLE, OVER LIFTED CANOPY, INSUFFICIENT ROOTBALL FOR RELOCATION	REMAIN	1,965
	7	206	LIVE OAK	QUERCUS VIRGINIANA	33.2	30	25		FAIR	61%	$9,200.00	N	POOR STRUCTURE, CONFINED ROOT SPACE, HEADING CUTS, MINOR DEADWOOD, OVER LIFTED CANOPY, DIRECTIONAL PRUNING AWAY FROM MAST ARM, INSUFFICIENT ROOTBALL FOR RELOCATION	REMAIN	710
	8	302	LIVE OAK	QUERCUS VIRGINIANA	17	12	6		FAIR	47%	N/A	N	CANOPY CROWDING, TRUNK LEAN, GIRDLING ROOTS, POOR STRUCTURE	REMAIN	115
	9	303	LIVE OAK	QUERCUS VIRGINIANA	19.7	12	6.5		FAIR	53%	N/A	N	CANOPY CROWDING, TRUNK LEAN, BURIED ROOT COLLAR, POOR STRUCTURE	REMAIN	115
	10	304	LIVE OAK	QUERCUS VIRGINIANA	19	12	6.5		FAIR	44%	N/A	N	CANOPY CROWDING, TRUNK LEAN, BURIED ROOT COLLAR, POOR STRUCTURE, LARGE TRUNK WOUND	REMAIN	115
☐	11	108	QUEEN PALM	SYAGRUS ROMANZOFFIANA	28.3	15	9	22.30	FAIR	47%	N/A	N	FLORIDA INVASIVE SPECIES COUNCIL, CATEGORY II INVASIVE, TRUNK WOUND, VERTICAL CRACK	REMOVE	180
	12	207	LIVE OAK	QUERCUS VIRGINIANA	32.1	38	26.25		FAIR	61%	$10,100.00	N	POOR STRUCTURE, CANOPY CROWDING, CONFINED ROOT SPACE, DIRECTIONAL PRUNING AWAY FROM LIGHT POLE, OVER LIFTED CANOPY, INSUFFICIENT ROOTBALL FOR RELOCATION	REMAIN	1,135
	13	208	LIVE OAK	QUERCUS VIRGINIANA	34.2	36	23		FAIR	58%	N/A	N	POOR STRUCTURE, CANOPY CROWDING, CONFINED ROOT SPACE, CANOPY DIEBACK, TRUNK LEAN, DEADWOOD, OVER LIFTED CANOPY, INSUFFICIENT ROOTBALL FOR RELOCATION	REMAIN	1,120
	14	214	FOXTAIL PALM	WODYETIA BIFURCATA	22	10	8.25	18.00	FAIR	54%	N/A	N	NUTRIENT DEFICIENCY	REMAIN	80
	15	215	FOXTAIL PALM	WODYETIA BIFURCATA	24	10	8.25	20.00	GOOD	65%	N/A	Y		REMAIN	80
	16	216	FOXTAIL PALM	WODYETIA BIFURCATA	22	10	7.5	18.00	FAIR	54%	N/A	N	NUTRIENT DEFICIENCY	REMAIN	80
	17	209	LIVE OAK	QUERCUS VIRGINIANA	32	32	25.5		FAIR	49%	N/A	N	POOR STRUCTURE, CONFINED ROOT SPACE, CANOPY DIEBACK, DEADWOOD, WATER SPROUTS, OVER LIFTED CANOPY, CANOPY CROWDING	REMAIN	805
	18	210	LIVE OAK	QUERCUS VIRGINIANA	40.1	32	27		FAIR	47%	N/A	N	POOR STRUCTURE, CANOPY CROWDING, CONFINED ROOT SPACE, CANOPY DIEBACK, TRUNK LEAN, DEADWOOD, OVER LIFTED CANOPY, LARGE TRUNK WOUND	REMAIN	805
	19	211	LIVE OAK	QUERCUS VIRGINIANA	17	14	8		POOR	30%	N/A	N	POOR STRUCTURE, POOR VIGOR, DEADWOOD, BURIED ROOT COLLAR	REMAIN	155
	20	212	LIVE OAK	QUERCUS VIRGINIANA	30.9	42	17.5		POOR	39%	N/A	N	POOR STRUCTURE, DEADWOOD, CANOPY DIEBACK, LARGE TRUNK WOUND	REMAIN	1,385
	21	213	QUEEN PALM	SYAGRUS ROMANZOFFIANA	23.1	13	12.25	17.10	FAIR	53%	N/A	N	FLORIDA INVASIVE SPECIES COUNCIL, CATEGORY II INVASIVE, NUTRIENT DEFICIENCY	REMAIN	135
☐	22	107	LIVE OAK	QUERCUS VIRGINIANA	26.9	38	21.75		FAIR	53%	N/A	N	POOR STRUCTURE, TRUNK LEAN, SIGNIFICANT CONFINED ROOT SPACE, CANOPY DIEBACK, OVER LIFTED CANOPY	REMOVE	1,135
☐	23	106	QUEEN PALM	SYAGRUS ROMANZOFFIANA	26.2	15	11.25	20.20	FAIR	54%	N/A	Y	FLORIDA INVASIVE SPECIES COUNCIL, CATEGORY II INVASIVE, NUTRIENT DEFICIENCY	REMOVE	180
☐	24	104	LIVE OAK	QUERCUS VIRGINIANA	31.3	44	23.75		GOOD	62%	$8,500.00	N	POOR STRUCTURE, OVER LIFTED CANOPY, CONFINED ROOT SPACE, MINOR CANOPY DIEBACK, WATER SPROUTS, INSUFFICIENT ROOTBALL FOR RELOCATION	REMOVE	1,520
☐	25	105	DAHOON HOLLY	ILEX CASSINE	21	14	8.5		FAIR	57%	N/A	N	TRUNK LEAN, CONFINED ROOT SPACE, MINOR CANOPY DIEBACK, INSUFFICIENT ROOTBALL FOR RELOCATION	REMOVE	155
☐	26	103	YELLOW TABEBUIA	TABEBUIA CARAIBA	21.5	14	14		FAIR	55%	N/A	N	POOR STRUCTURE, CANOPY DIEBACK, BURIED ROOT COLLAR, TRUNK LEAN	REMOVE	155
☐	27	102	LAUREL OAK	QUERCUS LAURIFOLIA	25.7	26	19.5		FAIR	46%	N/A	N	POOR STRUCTURE, CANOPY DIEBACK, CONFINED ROOT SPACE, VISUAL EVIDENCE OF DECAY, UNBALANCED CROWN, GIRDLING ROOTS	REMOVE	535

☐ EXISTING TREES/PALMS TO BE REMOVED DUE TO LOCATION FOR DEVELOPMENT.

PLEASE NOTE:
EXISTING TREE INFORMATION IS TAKEN FROM A VARIETY OF SOURCES TO INCLUDE THE CERTIFIED SURVEY, CERTIFIED ARBORIST REPORT, SITE OBSERVATIONS, AND SITE PHOTOGRAPHS, AND RELIED ON BY THE LANDSCAPE ARCHITECT.

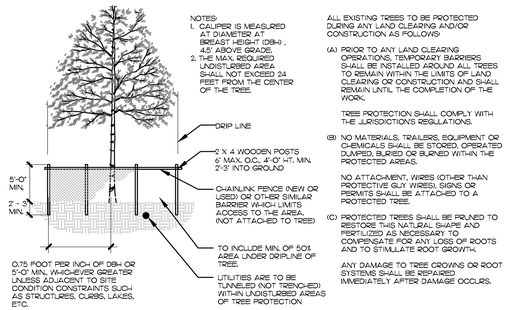
EXISTING TREES THAT ARE IN CONFLICT WITH ANY EXISTING ELEMENT SUCH AS OVERHEAD AND/OR UNDERGROUND UTILITIES, LIGHTING, SIDEWALKS, BUILDING AND/OR CANOPIES, AS WELL AS ANY FLORIDA STATE STATUTES REFERENCED ON SHEET LP03.01 ARE NOT THE RESPONSIBILITY OF THE LANDSCAPE ARCHITECT.

KEY

- EXISTING TREE TO BE REMOVED AND/OR RELOCATED
- 100 / 23" OAK — EXISTING TREE/PALM I.D. TAG DBH & COMMON NAME
- EXISTING TREE/PALM TO REMAIN
- EXISTING OFF-SITE TREE/PALM
- TPZ - TREE PROTECTION ZONE

General Notes

1. THE EXISTING TREE LOCATIONS AND SIZES (DBH) DEPICTED WITHIN THE LANDSCAPE PLAN SET ARE TAKEN FROM THE CERTIFIED SURVEY DATED JUNE 27, 2024, PREPARED BY EBI SURVEYING. (813) 886-6080.
2. THE CANOPY SHOWN ON THE PLANS ARE GRAPHIC AND DO NOT ACCURATELY REPRESENT EXISTING CANOPY.
3. PROPOSED MITIGATION EXISTING TREES TO BE REMOVED ARE TO BE REPLACED AT A TREE PER TREE (1:1) RATIO.
4. A TREE REMOVAL PERMIT IS REQUIRED PRIOR COMMENCEMENT OF DEVELOPMENT ACTIVITY.
5. A CERTIFIED ARBORIST, NOT THE LANDSCAPE ARCHITECT IS RESPONSIBLE FOR ANY TREE EVALUATION IF REQUIRED BY THE COUNTY.
6. THE AREA WITHIN THE DRIP LINE OF EXISTING TREES AND/OR PALMS SCHEDULED TO REMAIN AND BE PROTECTED, SHALL BE UNDISTURBED.
7. THE FOLLOWING ACTIVITIES ARE PROHIBITED WITHIN THE DRIP LINE OF PRESERVED TREES AND/OR PALMS:
   A. IMPROVEMENTS, FILL, MACHINERY AND VEHICLE TRAVEL OR PARKING
   B. UNDERGROUND UTILITIES
   C. GRADE CHANGES, COMPACTION OF SOIL OR EXCAVATION
   D. STORAGE OR CONSTRUCTION MATERIALS.
8. THE TREE PROTECTION BARRICADES SHALL CONSIST OF A CHAINLINK FENCE OR ORANGE SAFETY FENCE PER THE DETAIL UNLESS OTHERWISE APPROVED BY THE COUNTY.
9. IF POSSIBLE, BARRICADES SHALL BE ERECTED AT A MINIMUM DISTANCE FROM THE BASE OF THE TREES AND/OR PALMS TO BE PRESERVED AS FOLLOWS:
   A. TREES/PALMS 10-IN. OR LESS DBH = 5-FT. MIN. FROM BASE OF TREE TO BE PROTECTED.
   B. TREES/PALMS GREATER THAN 10-IN. DBH = 10-FT., PLUS 1-FT. FOR EACH ADDITIONAL INCH DBH GREATER THAN 10-IN. FROM BASE OF TREE TO BE PROTECTED.



NOTES:
1. CALIPER IS MEASURED AT DIAMETER AT BREAST HEIGHT (DBH), 4.5' ABOVE GRADE.
2. THE MAX. REQUIRED UNDISTURBED AREA SHALL NOT EXCEED 24 FEET FROM THE CENTER OF THE TREE.

ALL EXISTING TREES TO BE PROTECTED DURING ANY LAND CLEARING AND/OR CONSTRUCTION AS FOLLOWS:

(A) PRIOR TO ANY LAND CLEARING OPERATIONS, TEMPORARY BARRIERS SHALL BE INSTALLED AROUND ALL TREES TO REMAIN WITHIN THE LIMITS OF LAND CLEARING OR CONSTRUCTION AND SHALL REMAIN UNTIL THE COMPLETION OF THE WORK.

TREE PROTECTION SHALL COMPLY WITH THE JURISDICTIONS REGULATIONS.

(B) NO MATERIALS, TRAILERS, EQUIPMENT OR CHEMICALS SHALL BE STORED, OPERATED DUMPED, BURIED OR BURNED WITHIN THE PROTECTED AREAS.

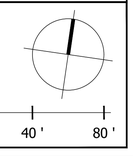
NO ATTACHMENT, WIRES (OTHER THAN PROTECTIVE GUY WIRES), SIGNS OR PERMITS SHALL BE ATTACHED TO A PROTECTED TREE.

(C) PROTECTED TREES SHALL BE PRUNED TO RESTORE THE NATURAL SHAPE AND FERTILIZED AS NECESSARY TO COMPENSATE FOR ANY LOSS OF ROOTS AND TO STIMULATE ROOT GROWTH.

ANY DAMAGE TO TREE CROWNS OR ROOT SYSTEMS SHALL BE REPAIRED IMMEDIATELY AFTER DAMAGE OCCURS.

TYPICAL TREE PROTECTION DETAIL
NOT TO SCALE

SCALE



48 HOURS BEFORE DIGGING CALL TOLL FREE 8-1-1 SUNSHINE811.COM NOTIFICATION CENTER

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■ landscape architecture
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IEG JOB NO. 15-328.00

SEAL PATRICK D. CUNNINGHAM
FL REG. NO. LA0001669

DATE
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ISSUE	BY	DATE	DESCRIPTION
-	PDC	09/05/24	PERMIT SET
1	PDC	12/20/24	DRC COMMENTS #1
2	PDC	04/28/25	DRC ROUND 3

FIFTH THIRD BANK
COCONUT CREEK
4850 COCONUT CREEK PKWY.
COCONUT CREEK, FL 33063

PROJECT INFORMATION BLOCK	
JOB #	230649
DATE:	09/05/2024
DRAWN BY:	PDC
CHECKED BY:	PDC

SHEET TITLE
TREE INVENTORY PLAN

SHEET NUMBER
LP02.01

NOTES:

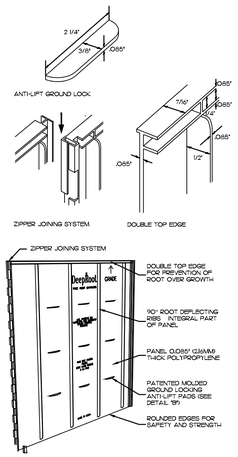
SPECIFIED TREE ROOT BARRIERS ARE A MECHANICAL BARRIER AND ROOT DEFLECTOR TO PREVENT TREE ROOTS FROM DAMAGING HARDSCAPES AND LANDSCAPES. ASSEMBLED IN 2' LONG MODULES TO CREATE VARYING SIZES OF CYLINDERS FOR SURROUNDING ROOT BALLS (SURROUND PLANTING STYLE) OR FOR LINEAR APPLICATIONS DIRECTLY BESIDE A HARDSCAPE ADJACENT TO ONE SIDE OF THE TREES (LINEAR PLANTING STYLE).

A. MATERIALS

1. THE CONTRACTOR SHALL FURNISH AND INSTALL TREE ROOT BARRIERS AS SPECIFIED. THE TREE ROOT BARRIERS SHALL BE PRODUCT # UB 24-2, # UB 36-2, AND # UB 48-2 AS MANUFACTURED BY DEEP ROOT PARTNERS, L.P. 345 LORTON AVE. #103, BURLINGAME, CA (800-458-7668), OR APPROVED EQUAL. THE BARRIER SHALL BE BLACK, INJECTION MOLDED PANELS, OF 0.065" WALL THICKNESS IN MODULES 24" LONG BY 24" & 48" DEEP, MANUFACTURED WITH A MINIMUM 50% POST CONSUMER RECYCLED POLYPROPYLENE PLASTIC WITH ADDED ULTRAVIOLET INHIBITORS. RECYCLABLE. EACH PANEL SHALL HAVE:

B. CONSTRUCTION AND INSTALLATION

1. THE CONTRACTOR SHALL INSTALL THE TREE ROOT BARRIERS WITH THE NUMBER OF PANELS AND IN THE MANNER SHOWN ON THE DRAWINGS. THE VERTICAL ROOT DEFLECTING RIBS SHALL BE FACING INWARDS TO THE ROOT BALL AND THE TOP OF THE DOUBLE EDGE SHALL BE 1/2" ABOVE GRADE. EACH OF THE REQUIRED NUMBER OF PANELS SHALL BE CONNECTED TO FORM A CIRCLE AROUND THE ROOT BALL OR WHERE SPECIFIED JOINED IN A LINEAR FASHION AND PLACED ALONG THE ADJACENT HARDSCAPE.
   ALL STREET TREES WITH TRUNKS CLOSER THAN 4 FT. TO PAVED SURFACES SHALL BE PLANTED WITH ROOT BARRIER BETWEEN THE ROOT BALL AND PAVING.
   PLANTINGS WITHIN TREE WELLS REQUIRE ROOT BARRIERS ALONG ALL SIDES OF THE TREE WELL.
2. EXCAVATION AND SOIL PREPARATION SHALL CONFORM TO THE DRAWINGS.
3. THE TREE ROOT BARRIERS SHALL BE BACKFILLED ON THE OUTSIDE WITH 3/4" TO 1 1/2" GRAVEL OR CRUSHED ROCK AS SHOWN ON THE DRAWINGS. NO GRAVEL BACKFILL IS REQUIRED FOR A LINEAR PLANTING



TYPICAL ROOT BARRIER INSTALLATION

NOT TO SCALE

655.962 LIGHTING, MIRRORS, LANDSCAPING.

(1) EACH OPERATOR OR OTHER PERSON RESPONSIBLE FOR AN AUTOMATED TELLER MACHINE PURSUANT TO SS. 655.960-655.965, SHALL PROVIDE LIGHTING DURING THE HOURS OF DARKNESS WITH RESPECT TO AN OPEN AND OPERATING AUTOMATED TELLER MACHINE AND ANY DEFINED PARKING AREA, ACCESS AREA, AND THE EXTERIOR OF AN ENCLOSED AUTOMATED TELLER MACHINE INSTALLATION, AS FOLLOWS:

(A) THERE SHALL BE A MINIMUM OF 10 CANDLEFOOT POWER AT THE FACE OF THE AUTOMATED TELLER MACHINE AND EXTENDING IN AN UNOBSTRUCTED DIRECTION OUTWARD 5 FEET.

(B) THERE SHALL BE A MINIMUM OF 2 CANDLEFOOT POWER WITHIN 50 FEET IN ALL UNOBSTRUCTED DIRECTIONS FROM THE FACE OF THE AUTOMATED TELLER MACHINE. IF THE AUTOMATED TELLER MACHINE IS LOCATED WITHIN 10 FEET OF THE CORNER OF THE BUILDING AND THE AUTOMATED TELLER MACHINE IS GENERALLY ACCESSIBLE FROM THE ADJACENT SIDE, THERE SHALL BE A MINIMUM OF 2 CANDLEFOOT POWER ALONG THE FIRST 40 UNOBSTRUCTED FEET OF THE ADJACENT SIDE OF THE BUILDING.

(C) THERE SHALL BE A MINIMUM OF 2 CANDLEFOOT POWER IN THAT PORTION OF THE DEFINED PARKING AREA WITHIN 60 FEET OF THE AUTOMATED TELLER MACHINE.

(2) THE OPERATOR SHALL PROVIDE REFLECTIVE MIRRORS OR SURFACES AT EACH AUTOMATED TELLER MACHINE WHICH PROVIDE THE CUSTOMER WITH A REAR VIEW WHILE THE CUSTOMER IS ENGAGED IN USING THE AUTOMATED TELLER MACHINE.

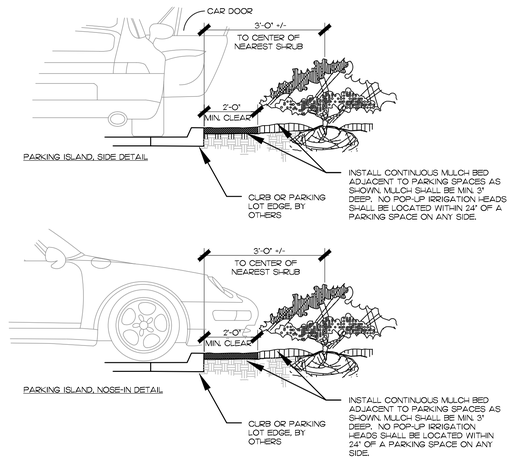
(3) THE OPERATOR, OR OTHER PERSON RESPONSIBLE PURSUANT TO SS. 655.960-655.965 FOR AN AUTOMATED TELLER MACHINE SHALL ENSURE THAT THE HEIGHT OF ANY LANDSCAPING, VEGETATION, OR OTHER PHYSICAL OBSTRUCTIONS IN THE AREA REQUIRED TO BE LIGHTED PURSUANT TO SUBSECTION (1) FOR ANY OPEN AND OPERATING AUTOMATED TELLER MACHINE SHALL NOT EXCEED 3 FEET, EXCEPT THAT TREES TRIMMED TO A HEIGHT OF 10 FEET AND WHOSE DIAMETERS ARE LESS THAN 2 FEET AND MANMADE PHYSICAL OBSTRUCTIONS REQUIRED BY STATUTE, LAW, CODE, ORDINANCE, OR OTHER GOVERNMENTAL REGULATION SHALL NOT BE AFFECTED BY THIS SUBSECTION.

655.965 PREEMPTION, PROHIBITION.

EXCEPT AS EXPRESSLY PROVIDED, THE PROVISIONS OF THIS SECTION AND SS. 655.960-655.964 SUPERSEDE AND PREEMPT ALL RULES, REGULATIONS, CODES, OR ORDINANCES OF ANY CITY, COUNTY, MUNICIPALITY, OR OTHER POLITICAL SUBDIVISION OF THIS STATE, AND OF ANY LOCAL AGENCY REGARDING CUSTOMER SAFETY AT AUTOMATED TELLER MACHINES LOCATED IN THIS STATE.

FLORIDA STATE STATUTES

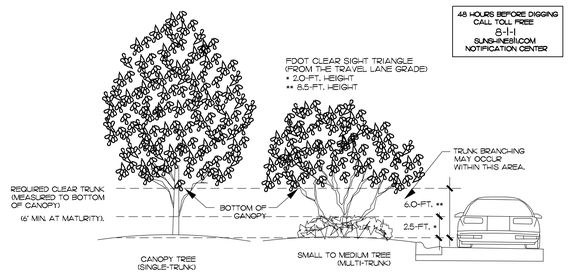
NOT TO SCALE



PARKING SPACE/CURB PLANTING

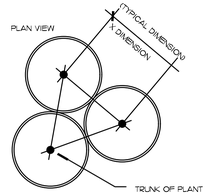
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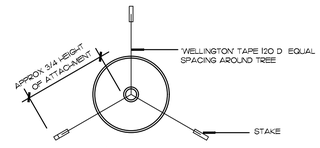
CLEAR TRUNK WITHIN SIGHT TRIANGLE DETAIL

NOT TO SCALE



TYPICAL PLANT SPACING DETAIL

NOT TO SCALE



(UNDER 16'-0" HT.)

TYPICAL TREE GUYING DETAIL

NOT TO SCALE

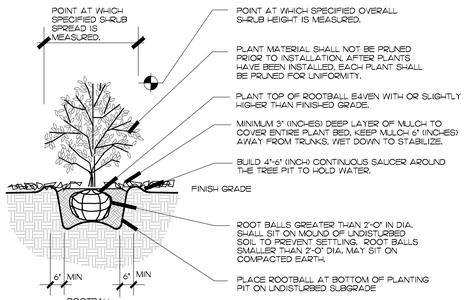
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W: www.bdgllp.com

FIFTH THIRD

FIFTH THIRD BANK
COCONUT CREEK

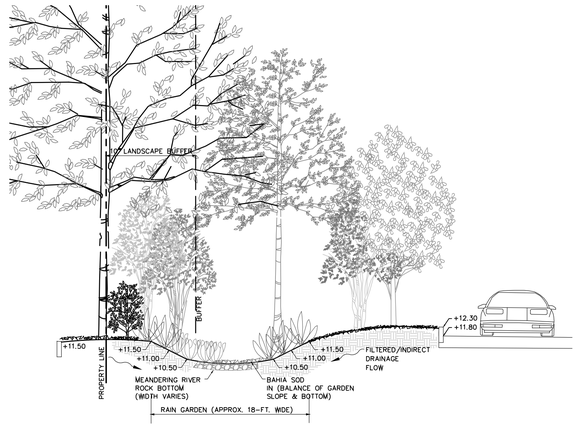
4850 COCONUT CREEK PKWY.
COCONUT CREEK, FL 33063



PLEASE NOTE:
FOR ALL SHRUBS AND GROUNDCOVERS, A MINIMUM OF 24-IN. DEPTH IS TO BE EXCAVATED AND BACKFILLED WITH PREFERRED PLANTING SOIL.

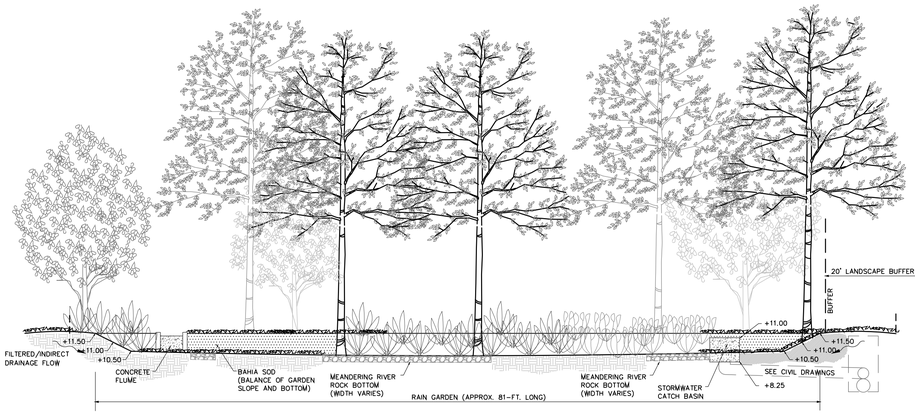
TYPICAL SHRUB/ GROUNDCOVER PLANTING DETAIL

NOT TO SCALE



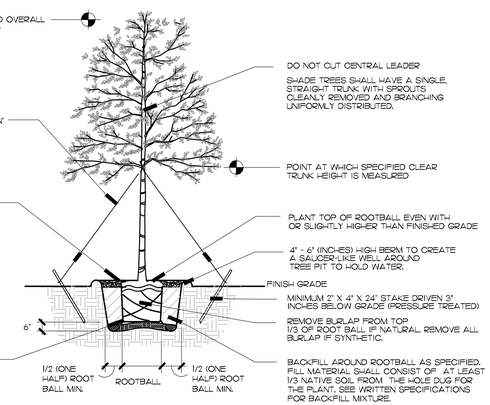
RAIN GARDEN CROSS-SECTION A-A

NOT TO SCALE



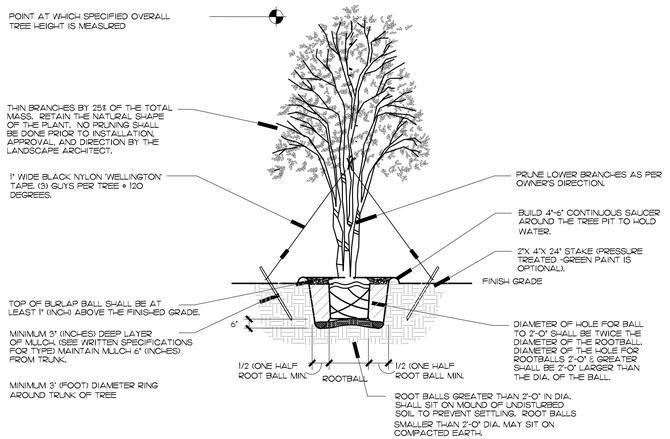
RAIN GARDEN CROSS-SECTION B-B

NOT TO SCALE



TYPICAL TREE PLANTING DETAIL

NOT TO SCALE



TYPICAL IRREGULAR/MULTI-TRUNK TREE PLANTING DETAIL

NOT TO SCALE

Additional Notes

1. ALL UTILITIES THAT ARE KNOWN TO THE LANDSCAPE ARCHITECT ARE LOCATED ON THE PLAN, FOR EXISTING OR PROPOSED UTILITIES:
   A. NO TREE SHALL BE PLANTED WHERE IT COULD CONFLICT WITH OVERHEAD POWER LINES AT MATURE HEIGHT.
   B. NO TREE, SHRUBS, HEDGES OR VINES SHALL BE PLANTED WITHIN FIVE (5) FEET OF ANY EXISTING OR PROPOSED UTILITY POLE, GUY WIRE OR-PAD MOUNTED TRANSFORMER.
   C. LARGE TREES (HEIGHT AT MATURITY OF MORE THAN 30 FEET SHALL BE PLANTED NO CLOSER THAN A HORIZONTAL DISTANCE OF 30 FEET FROM THE NEAREST OVERHEAD POWERLINE.
   D. MEDIUM HEIGHT TREE (HEIGHT AT MATURITY BETWEEN 20 AND 30 FEET) SHALL BE OFFSET AT LEAST TWENTY 20 FEET.
   E. SMALL TREES (HEIGHT AT MATURITY OF LESS THAN 20 FEET) REQUIRE NO OFFSET.
   F. PALMS SHOULD BE PLANTED AT A DISTANCE EQUAL TO OR GREATER THAN THE AVERAGE FROND LENGTH PLUS 2 FEET FROM POWER LINES.
2. THE CONTRACTOR SHALL ENSURE THAT ALL PLANTING ISLANDS AND OTHER AREAS SHALL BE CLEAN OF TRASH, CONSTRUCTION DEBRIS, OR OTHER WASTE MATERIALS TO A DEPTH OF 24 INCHES PRIOR TO LANDSCAPE INSTALLATION.
3. IT IS THE CONTRACTORS RESPONSIBILITY TO INSURE THAT ALL PLANT BED AREAS HAVE PROPER DRAINAGE FOR OPTIMUM GROWTH OF LANDSCAPE MATERIAL BEFORE INSTALLATION BEGINS. EXISTING DRAINAGE PATTERN SHALL NOT BE ALTERED OR EFFECTED BY NEW LANDSCAPING.
4. PLANT ALL TREES AND PALMS (2 INCH - 4 INCH) ABOVE FINISHED GRADE. TREES INSTALLED OR BURIED TOO DEEP SHALL BE RESET TO THIS STANDARD. REMOVE THE TOP ONE-THIRD (1/3) OF THE WIRE BASKETS ON ALL B & B MATERIAL.
5. ALL HEDGES AND GROUNDCOVERS TO BE PLANTED LEAVING SPACE BETWEEN PLANTS AND BUILDINGS, WALLS AND FENCES.
6. ALL PLANT BEDS AND TREE RINGS SHALL BE TREATED WITH PRE-EMERGENT HERBICIDE AND THEN TOP-DRESSED WITH 3-INCH DEEP LAYER OF COMMERCIAL PINE BARK NUGGETS. CONTRACTOR SHALL INSTALL WOVEN WEED BARRIER FABRIC IN ALL SHRUB/GROUNDCOVER BEDS.
7. HAND DIGGING HOLES FOR INSTALLING PROPOSED TREES IN CLOSE PROXIMITY TO UTILITIES IS REQUIRED TO AVOID CONFLICTS.
8. ALL EXOTIC VEGETATION TO BE REMOVED FROM THE SITE PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY.
9. NEW SOD SHALL BE ST. AUGUSTINE SOD AND ARGENTINE BAHIA GRASS AS SHOWN ON THE PLAN. THE QUANTITY SHOWN ON THE PLANT LIST IS AN ESTIMATE AND CONTRACTOR SHALL DETERMINE EXACT QUANTITIES IN THE FIELD. SOD AREAS TO BE MAINTAINED BY THE CONTRACTOR FROM THE TIME OF INSTALLATION TO THE TIME OF FINAL ACCEPTANCE.
10. THE LANDSCAPE ARCHITECT MAY INSPECT TREES AND SHRUBS WHETHER AT PLACE OF GROWTH OR AT SITE BEFORE PLANTING, FOR COMPLIANCE WITH THE REQUIREMENTS FOR GENUS, SPECIES, VARIETY, SIZE AND QUALITY. LANDSCAPE ARCHITECT RETAINS RIGHT TO FURTHER INSPECT TREES AND SHRUBS FOR SIZE AND CONDITION OF BALLS AND ROOT SYSTEMS, INSECTS, INJURIES AND LATENT DEFECTS, AND TO REJECT UNSATISFACTORY OR DEFECTIVE MATERIAL AT ANY TIME DURING PROGRESS OF WORK. REMOVE REJECTED TREES OR SHRUBS IMMEDIATELY FROM PROJECT SITE.
11. ALL MINIMUMS FOR EACH PLANT SPECIFIED WITHIN THE PLANT LIST ARE REQUIRED TO BE MET.
   A. THE HEIGHT AND SPREAD WILL PREVAIL OVER CALIPER AND CONTAINER SIZE.
   B. PERIMETER HEDGES ARE REQUIRED TO BE INSTALLED AT 24-IN HEIGHT, AND CALCULATED AT A 30-IN ON-CENTER (O.C.) EQUIVALENT.

   IF ANY OF THE MINIMUMS ARE NOT MET, THE INSTALLED MATERIAL MAY OR MAY NOT BE REJECTED ON A CASE BY CASE BASIS BY THE LANDSCAPE ARCHITECT, OWNER, OR JURISDICTION. FOR EXAMPLE, ALL TREE CALIPER AND CONTAINER SIZES NOTED ON THE PLANT LIST ARE A MINIMUM. CONTRACTOR TO INCREASE THE SIZE IF NECESSARY TO CONFORM TO THE PLANT SIZES AND SPECIFICATIONS.
12. NO SUBSTITUTIONS WILL BE ACCEPTABLE IF SPECIFIED LANDSCAPE MATERIAL IS NOT OBTAINABLE, SUBMIT PROOF OF NON-AVAILABILITY TO LANDSCAPE ARCHITECT AND JURISDICTION TOGETHER WITH THE PROPOSAL FOR USE OF EQUIVALENT MATERIAL.
13. IN EVENT OF DISCREPANCY, THE PLANTING PLAN SHALL TAKE PRECEDENCE OVER THE PLANT LIST.

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SEAL PATRICK D. CUNNINGHAM FL REG. NO. LA0001669

DATE

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PROJECT INFORMATION BLOCK

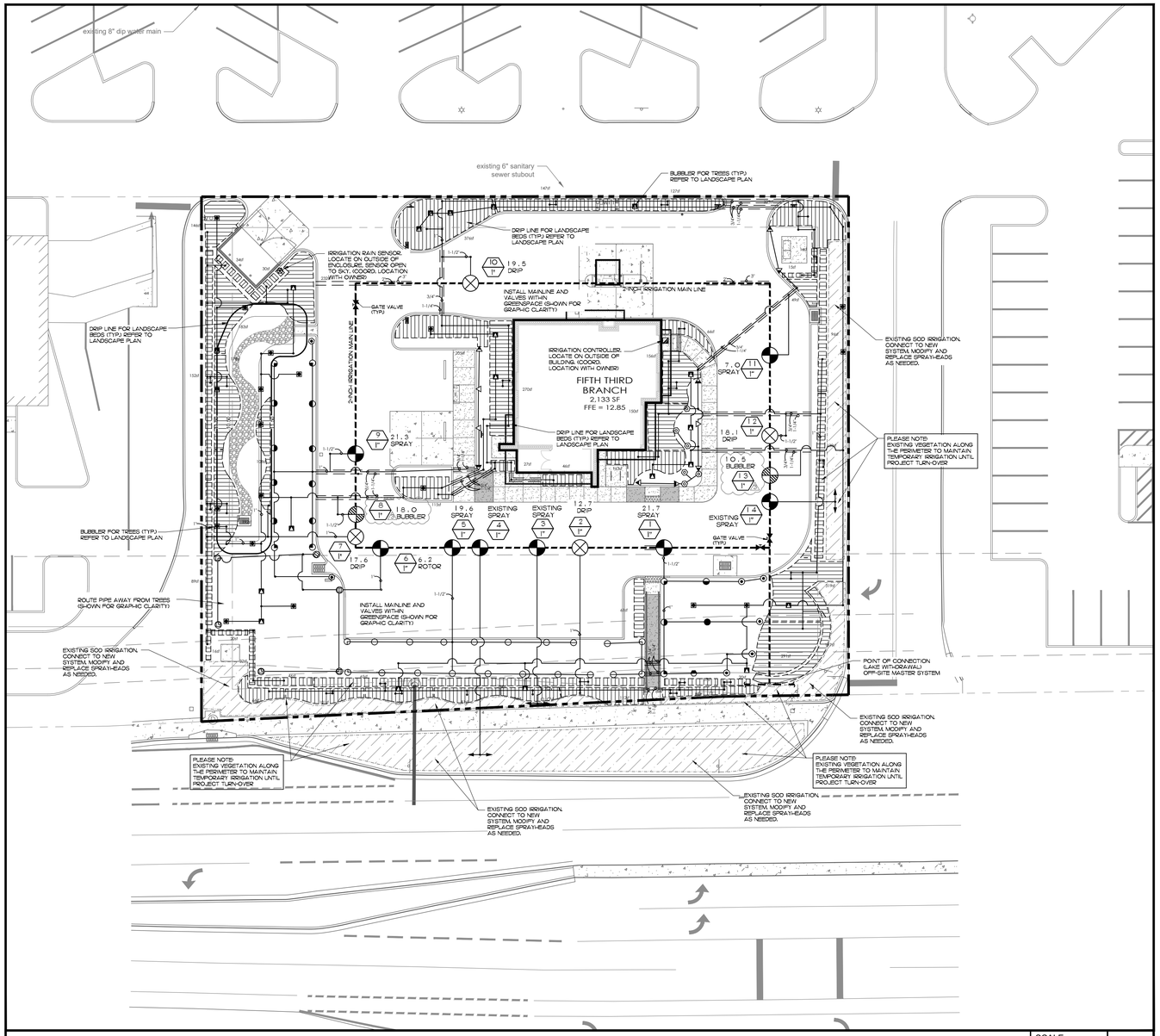
JOB #	230649
DATE:	09/05/2024
DRAWN BY:	PDC
CHECKED BY:	PDC

SHEET TITLE

LANDSCAPE DETAILS

SHEET NUMBER

LP03.01



PLAN VIEW | SCALE 1" = 20' | -

48 HOURS BEFORE DIGGING CALL TOLL FREE 8-1-1 SUNSHINE811.COM NOTIFICATION CENTER

Irrigation Legend

PLEASE NOTE: ALL IRRIGATION SPRAY HEADS TO BE 30 PSI REGULATED 6" POP-UP, CO-MOLDED WIPER SEAL WITH UV RESISTANT MATERIAL.

HUNTER PROS-06-PRS30-R 5' STRIP SPRAY
- LCS @ 0.65 GPM
- RCS @ 0.65 GPM
- SST @ 1.30 GPM

HUNTER PROS-06-PRS30-R 4' RADIUS
- H @ 0.45 GPM

HUNTER PROS-06-PRS30-R 6' RADIUS
- Q @ 0.51 GPM
- H @ 0.98 GPM

HUNTER PROS-06-PRS30-R 8' RADIUS
- Q @ 0.24 GPM
- H @ 0.47 GPM
- F @ 0.97 GPM

HUNTER PROS-06-PRS30-R 10' RADIUS
- Q @ 0.42 GPM
- H @ 0.88 GPM
- F @ 1.59 GPM

HUNTER PROS-06-PRS30-R 12' RADIUS
- Q @ 0.67 GPM
- H @ 1.30 GPM
- F @ 2.70 GPM

HUNTER PROS-06-PRS30-R 15' RADIUS
- Q @ 0.97 GPM
- H @ 1.69 GPM
- F @ 3.75 GPM

HUNTER PROS-06-PRS30-R 17' RADIUS
- Q @ 1.15 GPM
- H @ 2.37 GPM

HUNTER PROS-06-PRS30-R ADJ
- 8 @ 1.76 GPM
- 10 @ 2.00 GPM
- 12 @ 2.52 GPM
- 15 @ 3.72 GPM
- 17 @ 4.60 GPM

HUNTER PCB:-R FLOOD BUBBLER, 1/2" FIPT.
- 50 @ 0.50 GPM
- 10 @ 1.00 GPM

HUNTER MP2000: ROTATOR 13' - 21' RADIUS
- Q 17 @ 0.38 GPM
- H 17 @ 0.64 GPM
- T 17 @ 0.98 GPM
- F 17 @ 1.28 GPM

HUNTER MP3000: ROTATOR 22' - 30' RADIUS
- Q 27 @ 0.76 GPM
- H 27 @ 1.58 GPM
- T 27 @ 1.84 GPM
- F 27 @ 3.15 GPM

HUNTER MP3500: ROTATOR 31' - 35' RADIUS
- Q 34 @ 1.13 GPM
- H 34 @ 2.24 GPM
- T 34 @ 2.84 GPM

ALL IRRIGATION FIXTURES/ EQUIPMENT SPECIFIED TO BE FOR RECLAIMED, RE-USE, NON-POTABLE IRRIGATION.

AREA TO RECEIVE DRIPLINE

HUNTER PLD-10-12 (18)
IN-LINE PRESSURE COMPENSATING LANDSCAPE DRIPLINE WITH BUILT-IN CHECK VALVE, 1.0 GPH EMITTERS AT 12.0" O.C. DRIPLINE LATERALS SPACED AT 18.0" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. UV RESISTANT.

HUNTER PCZ-101-25
DRIP CONTROL VALVE KIT. 1" PGV GLOBE VALVE WITH 1" HY100 FILTER SYSTEM. PRESSURE REGULATION: 25PSI. FLOW RANGE: 0.5 GPM TO 15 GPM. 150 MESH STAINLESS STEEL SCREEN.

HUNTER PGV-101G
1" PLASTIC ELECTRIC REMOTE CONTROL VALVE, FOR RESIDENTIAL/LIGHT COMMERCIAL USE. FEMALE NPT INLET/OUTLET. GLOBE CONFIGURATION. WITH FLOW CONTROL.

MATCO-NORCA 514TX
1/2"-4" BRASS GATE VALVE, FULL PORT, WITH SOLID WEDGE. IPS. CROSS HANDLE. SAME SIZE AS MAINLINE PIPE.

WEATHERMATIC SL1600 SMARTLINE CONTROLLER W/ SMARTLINK AIRCARD

ORDERING INFO:
- MODEL # - SESSLV1600-3YR
- DESCRIPTION - SL1600 SMARTLINK CONTROLLER (16-ZONE), AIRCARD, SLW5 WEATHER STATION, SOFTWARE AND 3-YEAR SERVICE PLAN WITH WARRANTY AND MONITORING.

WEATHERMATIC SLW5 WIRELESS ON-SITE WEATHER SENSOR

IRRIGATION LATERAL LINE:
PVC CLASS 160 SDR 26
PVC CLASS 315 FOR 1/2" PIPE,
PVC CLASS 200 FOR 3/4" PIPE,
PVC CLASS 160 SDR 26 FOR 1" AND ABOVE.

PLEASE NOTE:
ONLY LATERAL TRANSITION PIPE SIZES 1" AND ABOVE ARE INDICATED ON THE PLAN, WITH ALL OTHERS BEING 3/4" IN SIZE.

IRRIGATION MAINLINE:
PVC SCHEDULE 40 IRRIGATION PIPE.

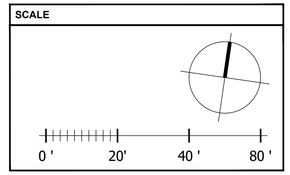
PIPE SLEEVE:
PVC SCHEDULE 40

VALVE FLOW / VALVE NUMBER / VALVE SIZE — VALVE CALL OUT

Sleeve Size Schedule

PIPE SIZE	SLEEVE SIZE
3/4"	1-1/4"
1"	2"
1-1/4"	2-1/2"
1-1/2"	2-1/2"
2"	3"
2-1/4"	4"
3" - 4"	6"

SCALE



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W: www.bdgllp.com

FIFTH THIRD

FIFTH THIRD BANK COCONUT CREEK

4850 COCONUT CREEK PKWY.
COCONUT CREEK, FL 33063

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FL Cert. of Auth. No 27889

IEG JOB NO. 15-328.00

SEAL PATRICK D. CUNNINGHAM
FL REG. NO. LA0001669

DATE

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ISSUE	BY	DATE	DESCRIPTION
-	PDC	09/05/24	PERMIT SET
1	PDC	12/20/24	DRC COMMENTS #1
2	PDC	04/28/25	DRC ROUND 3
3	PDC	06/25/25	DRC ROUND 4

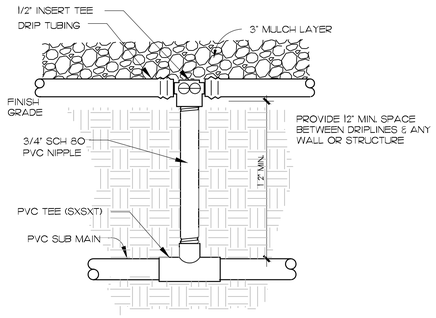
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DATE:	09/05/2024
DRAWN BY:	PDC
CHECKED BY:	PDC

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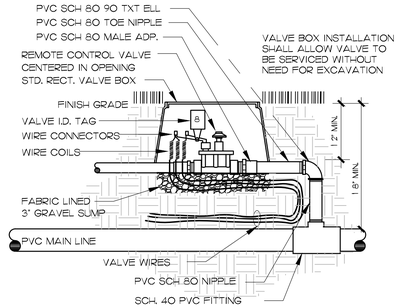
IRRIGATION PLAN

SHEET NUMBER

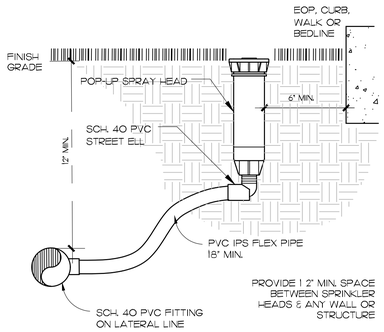
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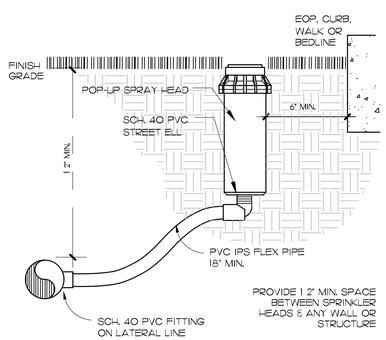
PVC - DRIP CONNECTION
NOT TO SCALE



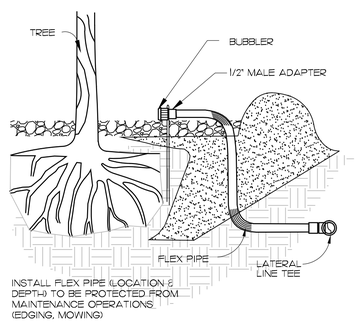
REMOTE CONTROL VALVE
NOT TO SCALE



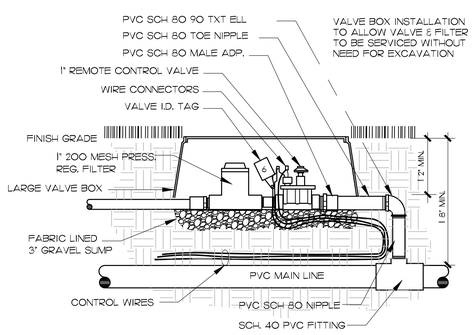
TURF SPRAY HEAD
NOT TO SCALE



TURF ROTOR HEAD
NOT TO SCALE



TREE BUBBLER
NOT TO SCALE



20 gpm DRIP ZONE CONTROL VALVE
NOT TO SCALE

48 HOURS BEFORE DIGGING
CALL TOLL FREE
8-1-1
SUNSHINE811.COM
NOTIFICATION CENTER

General Notes

1. IRRIGATION SYSTEM DESIGN REQUIREMENTS: 28 GPM @ A 55 PSI AT THE POINT OF CONNECTION. THE IRRIGATION CONTRACTOR SHALL VERIFY THE AVAILABLE GPM AND PSI PRIOR TO INSTALLATION OF THE SYSTEM.
2. DO NOT INSTALL THE IRRIGATION SYSTEM AS SHOWN ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT CONDITIONS EXIST THAT MIGHT NOT HAVE BEEN CONSIDERED IN THE DESIGN PROCESS, SUCH AS OBSTRUCTIONS, GRADE DIFFERENCES, WATER LEVELS, DIMENSIONAL DIFFERENCES, ETC. REFER TO THE LANDSCAPE PLAN TO AVOID CONFLICTS WITH PROPOSED TREES OR SHRUBS.
3. PIPING MAY SOMETIMES BE INDICATED AS BEING LOCATED IN UNLIKELY AREAS! I.E., UNDER BUILDINGS OR PAVEMENT, OUTSIDE OF PROPERTY LINES, IN LAKES OR DITCHES, ETC. THIS IS DONE FOR GRAPHIC CLARITY ONLY. WHENEVER POSSIBLE, PIPING IS TO BE INSTALLED IN PERVIOUS AREAS.
4. ALL COMPONENTS ARE SHOWN AND/OR DEPICTED ON THE PLAN SHEETS REPRESENT APPROXIMATE LOCATION(S) ONLY, AND ARE FOR CLARIFICATION PURPOSES. THE FINAL LOCATION OF ALL COMPONENTS SHALL BE SUBJECT TO APPROVAL BY THE OWNER AND/OR OWNER'S REPRESENTATIVE.
5. DO NOT SCALE PLAN FOR EXACT HEAD LOCATION. LOCATION OF ALL SPRINKLER HEADS SHALL BE SITE ADJUSTED TO MINIMIZE WATER OVERTHROW ONTO BUILDING SURFACES AND WALKWAYS. THROTTLE VALVES ON SPRAY ZONES AS REQUIRED TO PREVENT FOGGING.
6. PIPE SIZES SHALL CONFORM TO THOSE ON THE DRAWINGS. SUBSTITUTING WITH SMALLER PIPE SIZES WILL NOT BE PERMITTED.
7. ALL POP-UP SPRINKLER HEADS SHALL BE INSTALLED LEVEL AND FLUSH TO GRADE.
8. MAIN LINE: FITTINGS SHALL BE PVC SCH 40 JOINT FITTINGS. PIPES PLACED IN SLEEVES SHALL BE SCH. 40 SOLVENT WELD PIPE WITH ADEQUATE RESTRAINTS. SLEEVE LOCATION ARE ACCOMPANIED WITH A 2" ELECTRICAL CHASE FOR THE CONTROL WIRING.
9. MAINLINE IS TO BE INSTALLED WITH A MINIMUM OF 18-IN. DEPTH OF COVER. LATERAL LINES ARE TO BE INSTALLED WITH A MINIMUM OF 12" DEPTH OF COVER.
10. UNLESS OTHERWISE INDICATED, ALL SLEEVES ARE TO BE PVC SCH 40 AND TWO (2) NOMINAL SIZES LARGER THAN THE PIPE TO BE SLEEVED. FOR EXAMPLE: THE SLEEVE FOR A 2-IN. PIPE SHALL BE 3-IN.
11. INSTALL VALVES IN MULCHED BEDS AND/OR IN LOW TRAFFIC AREAS, ALL VALVES , FLUSH VALVES AND WIRE SPLICES SHALL BE INSTALLED IN RAIN BIRD WIDE FLANGED, STRUCTURAL FOAM "PLASTIC" VALVES BOXES
12. THE BOTTOM AND SIDES OF THE VALVE BOXES SHALL BE LINED WITH LANDSCAPE FABRIC. INSTALL A 3-IN. DEEP BED OF GRAVEL ON THE LANDSCAPE FABRIC TO CREATE A DRAINAGE SUMP.
13. INSTALL DRIP TUBING AT GRADE AND COVER WITH MULCH. TYPICAL SPACING FOR DRIP TUBING IS 18-IN. TO 24-IN. ON CENTER. SPACING TO BE DETERMINED BY PLANT LAYOUT. REFER TO LANDSCAPE PLAN. ANCHOR TUBING EVERY 7-FT. WITH 8-IN. LONG WIRE TUBING STAKES. INSTALL FLUSH VALVE ASSEMBLIES AT ALL TUBING "DEAD ENDS".
14. EXACT CONTROLLER LOCATION(S) SHALL BE COORDINATED WITH AN OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION. THE IRRIGATION CONTRACTOR IS RESPONSIBLE FOR THE CONNECTION FROM THE POWER SOURCE TO THE CONTROLLER(S). PER MANUFACTURER'S SPECIFICATIONS.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HARD WIRING ALL ELECTRICAL SERVICE CONNECTIONS, AND SHALL RUN TWO (2) ADDITIONAL SETS OF WIRES IN EACH DIRECTION TO EACH END OF THE MAIN FOR FUTURE USE.
16. AT EACH IRRIGATION CONTROLLER, INSTALL A "SECONDARY SURGE ARRESTER" TO THE INCOMING (120 VOLT) POWER SUPPLY (INTERMATIC #AG2401 OR EQUAL).
17. A WEATHER BASED SENSOR WITH INTERFACE SHALL BE CONNECTED TO IRRIGATION CONTROLLER. THE SENSOR/ SHALL ADJUST IRRIGATION PROGRAM BASED ON DAILY WEATHER READINGS. SENSOR SHALL BE INSTALLED TO MEET LOCAL CODES AND/OR MINIMUM MANUFACTURER'S RECOMMENDATIONS. OBSTRUCTIONS, VANDALISM AND EASE OF SERVICE SHALL BE CONSIDERED IN LOCATING THE DEVICE.
18. IRRIGATION CONTRACTOR SHALL PREPARE AN AS-BUILT DRAWING ON REPRODUCIBLE PAPER DETAILING THE ACTUAL INSTALLATION OF THE IRRIGATION SYSTEM. THE AS-BUILT DRAWINGS SHALL LOCATE ALL MAIN LINE PIPING, CONTROL WIRES, WIRE SPLICES, SLEEVES AND VALVES BY SHOWING EXACT MEASUREMENTS FROM PERMANENT FEATURES (BUILDINGS, EDGE OF PAVEMENT, POWER POLES, FIRE HYDRANTS, ETC.). INCLUDE DEPTH OF COVER ON MAINLINE AND SLEEVES.
19. NO PRODUCT SUBSTITUTIONS WILL BE PERMITTED WITHOUT THE WRITTEN PERMISSION OF THE OWNER'S REPRESENTATIVE. IRRIGATION CONTRACTOR TO PROVIDE SUBMITTALS TO THE OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO INSTALLATION.
20. ANY OTHER EQUIPMENT REQUIRED THAT IS NOT OTHERWISE DETAILED OR SPECIFIED SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS AND LOCAL CODE.
21. THE PROPOSED IRRIGATION IS TO TIE INTO THE EXISTING SYSTEM, WHICH WILL BE RETROFITTED TO PROVIDE 100% COVERAGE.

* * *

22. IF RE-USE WATER IS USED FOR IRRIGATION, ALL EQUIPMENT IS TO BE SPECIFIED / MARKED AS SUCH IF REQUIRED BY THE JURISDICTION. (PURPLE LATERALS, HEADS, ETC.)
23. AN AUTOMATIC IRRIGATION SYSTEM TO BE PROVIDED THAT MEETS OR EXCEEDS THE FULL REQUIREMENTS OF THE LAND DEVELOPMENT REGULATIONS.
24. THE OWNER WILL SUPPLY ALL PROPOSED PLANT MATERIAL WITH 100% IRRIGATION (AUTOMATIC) COVERAGE (WITH 50% OVERLAP MINIMUM) WITHIN TEN DAYS OF INITIAL INSTALLATION. THE CONTRACTOR SHALL MAKE ALL ADJUSTMENTS TO THE IRRIGATION SYSTEM TO INSURE 100% COVERAGE.

ALL IRRIGATION FIXTURES/ EQUIPMENT SPECIFIED TO BE FOR RECLAIMED, RE-USE, NON-POTABLE IRRIGATION.

Additional Notes

1. IRRIGATION CONTROLLER IS TO HAVE AN EXTERIOR MOUNTING LOCATION.
2. ELECTRICAL IS TO BE HARD-WIRED TO THE CONTROLLER, NOT AN ELECTRICAL OUTLET.
3. WEATHERMATIC SL 1600 SMARTLINE CONTROLLER (SEE PHOTO)
   A. INSTALLS LIKE A NORMAL CONTROLLER--THE EXTERIOR OF THE BUILDING, PREFERABLY NEAR THE UTILITY ENTRANCE)
   B. INSTALL INSTRUCTIONS: SL1600 CONTROLLER INSTALLATION INSTRUCTIONS - WEATHERMATIC
4. WEATHERMATIC SMART LINK AIRCARD (SEE PHOTO)
   A. MOUNT NEAR CONTROLLER
   B. INSTALL INSTRUCTIONS: HTTPS://WWW.WEATHERMATIC.COM/DOWNLOAD/SMARTLINK-AIRCARD-INSTALLATION-QUICK-START/?WPDMDL=19376&REFRES=628F6EE2B6761&55567202
5. WEATHERMATIC SLW5 WIRELESS ON-SITE WEATHER SENSOR (SEE PHOTO)
   A. MOUNT IN AN AREA WITH UNOBSTRUCTED AIRFLOW.
   B. MOUNTING IS PREFERRED IN DIRECT SUNLIGHT WITH GOOD AIRFLOW.
   C. THE LOCATION MUST HAVE OPEN ACCESS TO RAINFALL (CANNOT BE COVERED BY ANY OVER-HEAD OBSTRUCTION SUCH AS TREES, ROOFS, ETC.).
   D. MOUNT THE SLW5 AS CLOSE AS POSSIBLE TO THE CONTROLLER.
   E. INSTALL INSTRUCTIONS: SLW5 WIRELESS WEATHER STATION INSTALLATION GUIDE - WEATHERMATIC
6. DESIGN DRAWING SPECIFICATION -
   A. WEATHERMATIC SL1600 SMARTLINK CONTROLER W/ SMARTLINK AIRCARD
   B. WEATHERMATIC SLW5 WIRELESS ON-SITE WEATHER SENSOR
7. TO COMMISSION THE WEATHERMATIC SMART IRRIGATION CONTROLLER PLEASE DO THE FOLLOWING:
   A. FIRST, PLEASE CONFIRM THAT ALL THREE PIECES OF EQUIPMENT (CONTROLLER, WEATHER STATION, AND AIRCARD) ARE PROPERLY INSTALLED.
   B. NEXT, WEATHERMATIC NEEDS THE AIRCARD NUMBER THAT IS ON THE SIDE OF THE AIRCARD (20-DIGIT LONG NUMBER).
      1) CONTACT FOR WEATHERMATIC IS CALL OR EMAIL KELSI VAQUERA WITH ANY QUESTIONS (KELSI.VAQUERA@WEATHERMATIC.COM OR 316.516.3625).
   C. WHEN SHARING THIS INFORMATION WITH WEATHERMATIC, YOU SHOULD ALSO NOTE THAT THIS IS A FIFTH THIRD BANK CORPORATE LOCATION AND PROVIDE THE SITE ID NUMBER AND ADDRESS. 2.

WEATHERMATIC ORDERING INFORMATION:

- MODEL # - SESSLV1600-3YR
- DESCRIPTION - SL1600 SMARTLINK CONTROLLER (16-ZONE), AIRCARD, SLW5 WEATHER STATION, SOFTWARE AND 3-YEAR SERVICE PLAN WITH WARRANTY AND MONITORING.







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W: www.bdgllp.com

FIFTH THIRD

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www.iegroup.net
FL Cert. of Auth. No 27889
IEG JOB NO. 15-328.00

SEAL PATRICK D. CUNNINGHAM
FL REG. NO. LA0001669

DATE

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-	PDC	09/05/24	PERMIT SET
1	PDC	04/28/25	DRC ROUND 3
2	PDC	06/25/25	DRC ROUND 4

PROJECT INFORMATION BLOCK

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DATE:	09/05/2024
DRAWN BY:	PDC
CHECKED BY:	PDC

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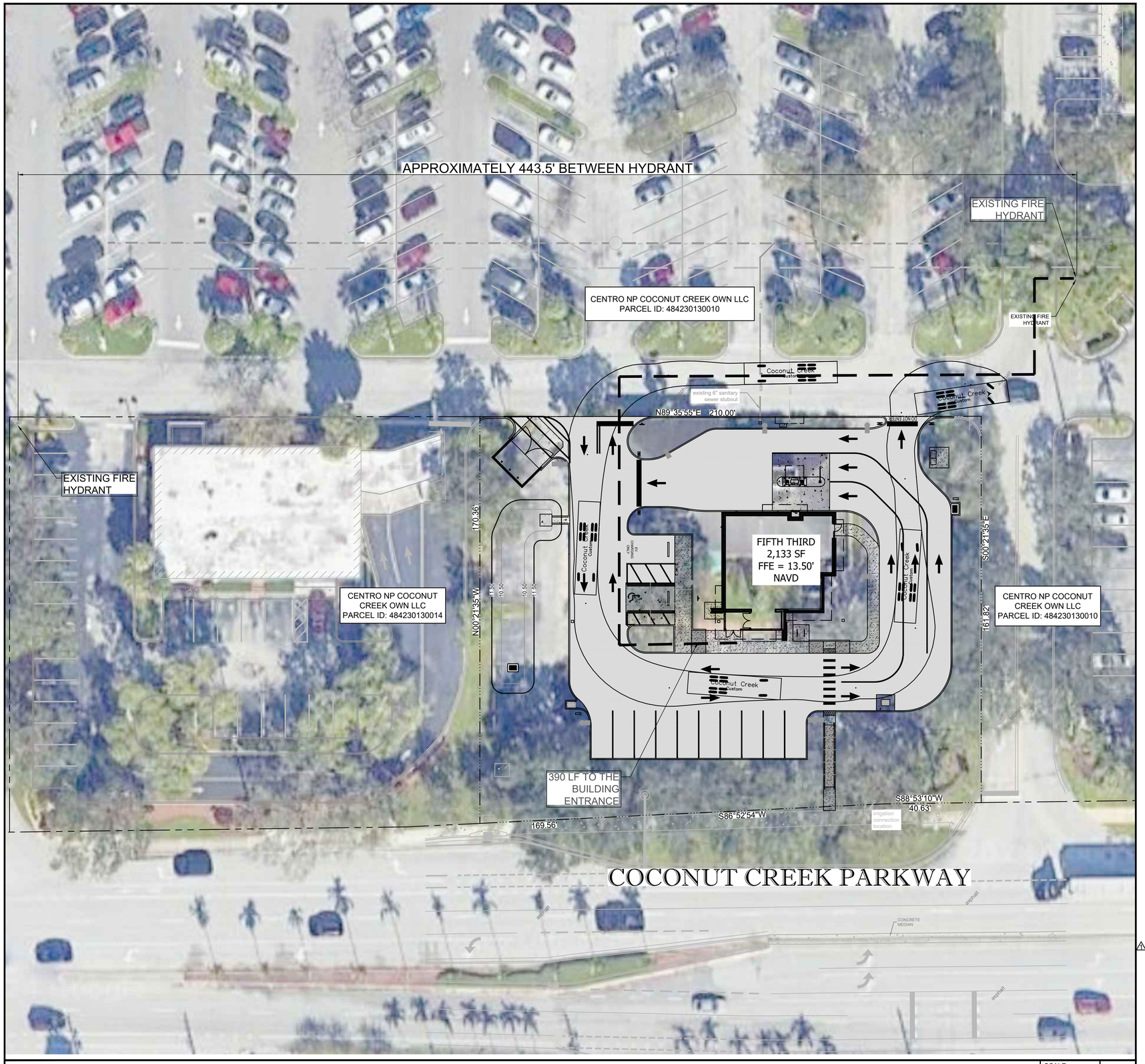
IRRIGATION DETAILS

SHEET NUMBER

IR02.01

FIFTH THIRD BANK
COCONUT CREEK

4850 COCONUT CREEK PKWY.
COCONUT CREEK, FL 33063

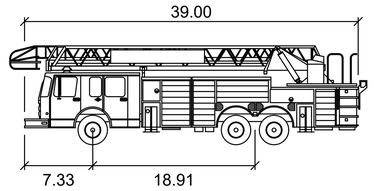


PLAN VIEW | SCALE: AS SHOWN | -

SITE PLAN LEGEND:

- DIRECTIONAL ARROW
- HANDICAP PARKING
- PROPOSED PAVEMENT STRIPE
- PROPOSED CURB
- EXISTING CURB
- PROPERTY LINE
- NEW CONCRETE
- NEW CONCRETE
- NEW ASPHALT PAVEMENT
- EXISTING CONCRETE

TRUCK LEGEND



Coconut Creek

	feet
Width	: 9.00
Track	: 7.16
Lock to Lock Time	: 6.0
Steering Angle	: 50.0

bdg architects
400 N Ashley Drive, Suite. 600
Tampa, FL 33602
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Lic. #: AA - 0003590
W: www.bdgllp.com

FIFTH THIRD

FIFTH THIRD BANK
COCONUT CREEK

4805 COCONUT CREEK PARKWAY
COCONUT CREEK, FLORIDA 33063

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NISIT SAPPARKHAO, P.E.
FL REG. NO. 64085

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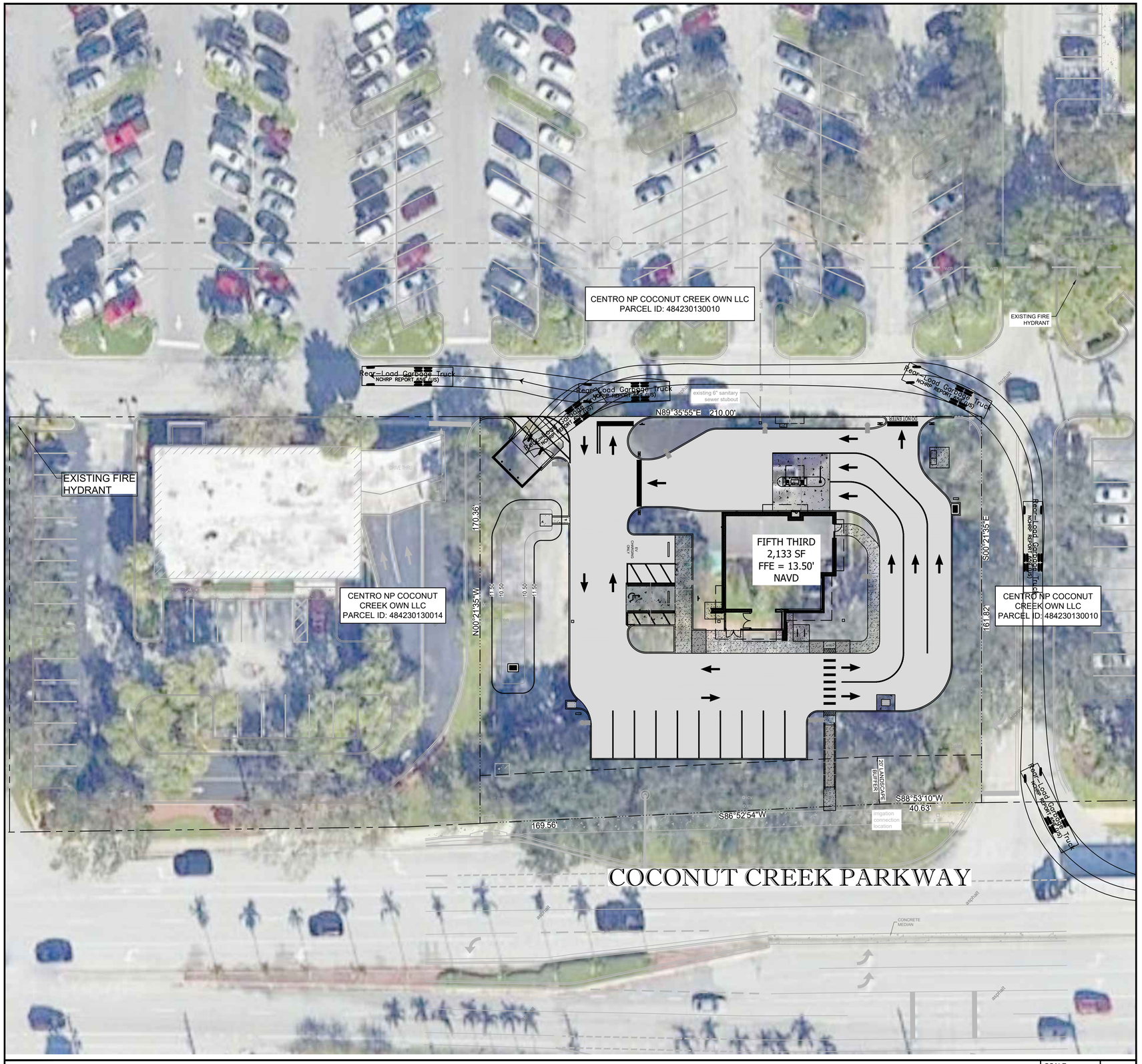
JOB #	230649
DATE:	09/05/24
DRAWN BY:	IEG
CHECKED BY:	IEG

SHEET TITLE

SITE ACCESS PLAN
(FIRE TRUCK)

SHEET NUMBER

SA01.01

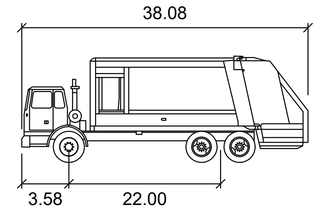


PLAN VIEW | SCALE: AS SHOWN | -

SITE PLAN LEGEND:

- DIRECTIONAL ARROW
- HANDICAP PARKING
- PROPOSED PAVEMENT STRIPE
- PROPOSED CURB
- EXISTING CURB
- PROPERTY LINE
- NEW CONCRETE
- NEW CONCRETE
- NEW ASPHALT PAVEMENT
- EXISTING CONCRETE

TRUCK LEGEND



Rear-Load Garbage Truck

feet

Width	:	8.00
Track	:	8.00
Lock to Lock Time	:	6.0
Steering Angle	:	27.4

bdg architects

400 N Ashley Drive, Suite. 600
Tampa, FL 33602

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Lic. #: AA - 0003590
W: www.bdgllp.com

FIFTH THIRD

FIFTH THIRD BANK COCONUT CREEK

4805 COCONUT CREEK PARKWAY
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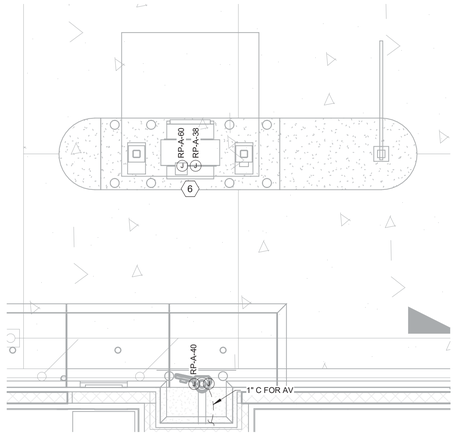
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DRAWN BY:	IEG
CHECKED BY:	IEG

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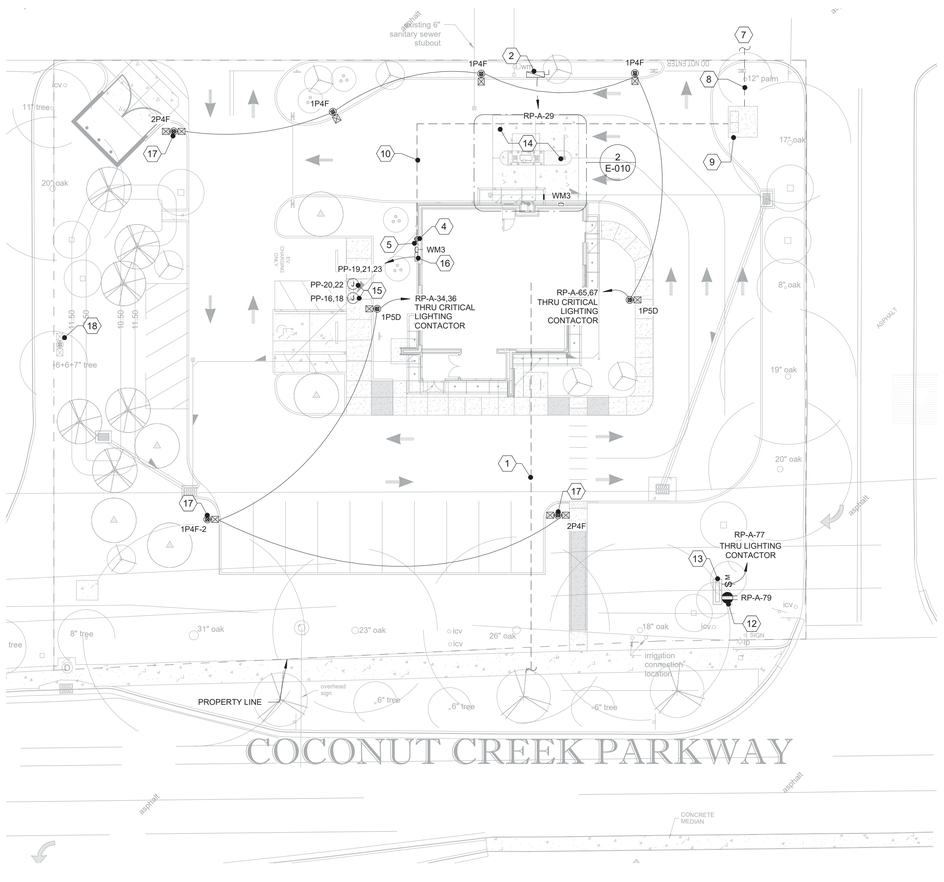
SITE ACCESS PLAN (GARBAGE TRUCK)

SHEET NUMBER

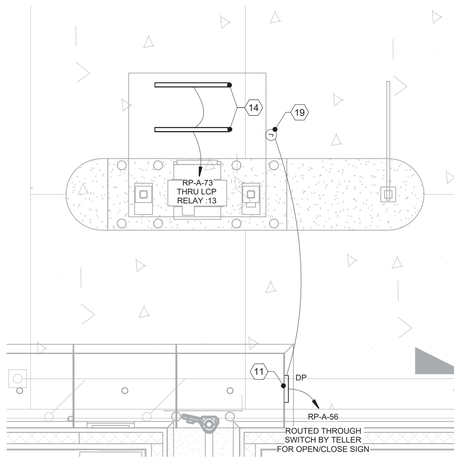
SA01.02



2 ELECTRICAL POWER & AUXILIARY RDT PLAN
1/4" = 1'-0"



1 ELECTRICAL SITE PLAN
1" = 20'-0"



3 ELECTRICAL LIGHTING PLAN - RDT PLAN
1/4" = 1'-0"

LIGHTING COMPLIANCE CHART

LAMP DESCRIPTIONS	QTY	LUMINAIRE LUMENS	TOTAL
FIXTURE 1P4F	3	15000	45000
FIXTURE 1P4F-2	1	15000	15000
FIXTURE 1P5D	2	10000	20000
FIXTURE 2P4F	2	30000	60000
FIXTURE WM3	2	2000	4000
TOTAL LUMINAIRE LUMENS			144000
TOTAL PROJECT HARDSCAPE AREA (SQ.FT)			34758
**SITE ALLOWED TOTAL LUMENS PER SEC.13-374(2)d. (LUMENS PER SF X HARDSCAPE)			173790
PROJECT IS COMPLIANT?			YES

LIGHTING FIXTURE SCHEDULE (EXTERIOR)

LABEL	DESCRIPTION	MFG.	MODEL NUMBER	MOUNTING	LAMP QTY AND TYPE	DIMMING	VOLTS	TOTAL FIXTURE WATTS	NOTES (REFER TO GENERAL AND LAMP AND BALLAST NOTES BELOW)
1P4F	LED FULL CUTOFF AREA LUMINAIRE, 15000 LUMENS, FORWARD DISTRIBUTION, ALUMINUM HOUSING, UL LISTED FOR WET LOCATION. 1-HEAD	GE	FIXTURE: EALS 03 2 F4 AF 7 40 X D D1 DKBZ	POLE MOUNT, **SEE DETAIL FOR POLE HEIGHT	LED	-	208 V	116 VA	
1P4F-2	LED FULL CUTOFF AREA LUMINAIRE, 15000 LUMENS, FORWARD DISTRIBUTION, ALUMINUM HOUSING, DIMMING WITH MOTION SENSOR, UL LISTED FOR WET LOCATION. 1-HEAD	GE	FIXTURE: EALS 03 2 F4 AF 7 40 N D D1 DKBZ H1	POLE MOUNT, **SEE DETAIL FOR POLE HEIGHT	LED	-	208 V	116 VA	DIMMING WITH MOTION SENSOR
1P5D	LED FULL CUTOFF AREA LUMINAIRE, 10000 LUMENS, TYPE 5 DISTRIBUTION, ALUMINUM HOUSING, UL LISTED FOR WET LOCATION. 1-HEAD	GE	FIXTURE: EALS 03 2 D5 SW 7 40 X D D1 DKBZ	POLE MOUNT, **SEE DETAIL FOR POLE HEIGHT	LED	-	208 V	64 VA	
2P4F	LED FULL CUTOFF AREA LUMINAIRE, 15000 LUMENS, FORWARD DISTRIBUTION, ALUMINUM HOUSING, DIMMING WITH MOTION SENSOR, UL LISTED FOR WET LOCATION. 2-HEAD, 180° CONFIGURATION	GE	FIXTURE: EALS 03 2 F4 AF 7 40 X D D1 DKBZ H1	POLE MOUNT, **SEE DETAIL FOR POLE HEIGHT	LED	-	208 V	232 VA	DIMMING WITH MOTION SENSOR
DP	DRIVE-THRU CANOPY OPEN/CLOSE LED SIGN	DIRECTIONAL SYSTEMS	5887 (TCL718GR-100/120-277VAC)	SURFACE	LED	-	120 V	20 VA	REFER TO THE ARCHITECTURAL DRAWING FOR MOUNTING HEIGHT
WM3	WALL BRACKET LED LUMINAIRE, DIE CAST ALUMINUM HOUSING, TYPE 3 DISTRIBUTION, DARK BRONZE FINISH. FULL CUTOFF	LSI	XWM 3 LED 2L 40 UE BRZ	WALL MOUNTED AT 10'-6" ABOVE FINISHED GRADE TO CENTERLINE OF FIXTURE	LED	-	120 V	23 VA	CUSTOM 2000 LUMEN OUTPUT. SEE E-130 FOR CONNECTION

LIGHTING FIXTURE SCHEDULE NOTES:
1. MANUFACTURER CATALOG NUMBERS ARE SHOWN FOR GENERAL DESCRIPTIVE PURPOSES AND TO ESTABLISH STANDARD OF QUALITY ONLY. CONTACT CHRIS YOUNG (cyoung@southernlightingsource.com) OR ADAM MAGGIO (amaggio@southernlightingsource.com) (770-242-4000) (53lights@southernlightingsource.com) SOUTHERN LIGHTING SOURCE ON LIGHTING AND LIGHTING CONTROLS. GC/EC SHALL PROVIDE LUMINAIRES COMPLETE WITH ALL OPTIONS AND ACCESSORIES REQUIRED FOR A COMPLETE INSTALLATION. ALL PRODUCTS SHALL BE UL LISTED. POLE MOUNTED LIGHT FIXTURES SHALL MATCH EXISTING DEVELOPMENT AS SPECIFIED. NO EQUALS FOR POLE MOUNTED FIXTURES.
2. POLE MANUFACTURER SHALL COORDINATE WITH LUMINAIRE MANUFACTURER TO PROVIDE ADEQUATE STRENGTH TO SUPPORT THE FIXTURE. PROVIDE APPROPRIATE MOUNTING HARDWARE, ANCHOR BOLTS, BOLT/BASEPLATE COVERS AND GROUNGING LUG. MANUFACTURER SHALL FURNISH AN ANCHOR BOLT TEMPLATE TO ENSURE PROPER MOUNTING AND LUMINAIRE ORIENTATION FOR CORRECT LIGHT DISTRIBUTION. APPROVED EQUAL POLE MANUFACTURERS: DURAGUARD AND VALMONT.
3. REFER TO ELECTRICAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS WHICH MAY NOT NECESSARILY BE REFLECTED IN CATALOG NUMBER AND/OR DESCRIPTION IN THIS SCHEDULE

SHEET NOTES:

1. COORDINATE ALL SITE CONDUIT ROUTINGS WITH GENERAL CONTRACTOR.
2. REFER TO CIVIL PLANS FOR FINAL LOCATION AND ELECTRICAL REQUIREMENTS OF ALL SIGNAGE, UTILITY CONNECTION POINTS, AND SITE UTILITIES/EQUIPMENT SUCH AS LIFT STATIONS, IRRIGATION PUMPS/CONTROLLERS, HOT BOXES, ETC.
3. ALL UNDERGROUND WIRING SHALL BE LOCATED WITHIN 12" OF BACK OF CURB IN ALL LOCATIONS.
4. BACKFILL, TAMP, AND RESURFACE ALL EXISTING PAVEMENT/ASPHALT AND RESTORE ALL EXISTING LANDSCAPING DISTURBED AS A RESULT OF TRENCHING AND/OR DIRECTIONAL BORING TO ITS ORIGINAL CONDITION.
5. ALL UTILITY SERVICE SHALL BE VERIFIED WITH THE UTILITY COMPANIES PRIOR TO BIDDING AND ALL RESULTING COSTS SHALL BE INCLUDED IN BID
6. ACTUAL INSTALLATION OF ALL UTILITY SERVICES SHALL BE ACCORDING TO FINAL UTILITY COMPANY PLANS.
7. PROVIDE PULLWIRE IN ALL EMPTY CONDUITS.
8. USE JOINT TRENCHING WHEREVER POSSIBLE.

ELECTRICAL UTILITY CONTACT:
TBD

TELEPHONE UTILITY CONTACT:
TBD

KEYED NOTES:

1. ROUTE (2)-4"C TO MAIN TELEPHONE SERVICE ENTRANCE. ROUTE TO CLEAR STRUCTURAL FOOTING. CONDUITS SHALL BE STUBBED UP AND CAPPED 12" A.F.F. IN BUILDING. AS-BUILT DRAWINGS MUST SHOW CONDUIT LENGTH AND ROUTE.
2. IRRIGATION BACKFLOW. VERIFY LOCATION - DISCONNECT SHALL BE NEMA 3R.
3. NOT USED.
4. ELECTRIC UTILITY METER. PROVIDE ELECTRIC UTILITY METER PER POWER COMPANY REQUIREMENTS. REFER TO ELECTRICAL RISER DIAGRAM FOR ADDITIONAL INFORMATION. EXACT LOCATION TO BE DETERMINED BY UTILITY COMPANY REPRESENTATIVE IN FIELD.
5. SERVICE DISCONNECT. PROPOSED ELECTRICAL SERVICE DISCONNECT MOUNTED ON BUILDING EXTERIOR. REFER TO ELECTRICAL RISER DIAGRAM FOR ADDITIONAL INFORMATION.
6. DRIVE-THRU ATM: PROVIDE CONDUIT AND WIRING FOR ATM. REFER TO ELECTRICAL FLOOR PLAN ON SHEET E-500 FOR ADDITIONAL INFORMATION.
7. STUB-OUT AND TERMINATE PER UTILITY COMPANY REQUIREMENTS. VERIFY LOCATION OF HIGH VOLTAGE SERVICE POINT PRIOR TO BIDDING AND INCLUDE ALL COST IN BID.
8. (2)-5"C FOR HIGH VOLTAGE SERVICE FROM PROPERTY LINE TO TRANSFORMER SLABS - VERIFY LOCATION AND ROUTING. HIGH VOLTAGE CONDUIT SHALL BE 48" DEEP. TERMINATE IN ACCORDANCE WITH UTILITY COMPANY REQUIREMENTS INCLUDING TRENCHING AND BACKFILL TO 90% COMPACTION.
9. TRANSFORMER SLAB-BOX WITH TRAFFIC GUARDS PER UTILITY COMPANY REQUIREMENTS. VERIFY SIZE, LOCATION AND ORIENTATION WITH UTILITY COMPANY. CONTRACTOR WILL PROVIDE TRANSFORMER SLABS INSTALLED COMPLETE IN ACCORDANCE WITH UTILITY COMPANY REQUIREMENTS. PROVIDE ADEQUATE GUARD RAILING AROUND POWER TRANSFORMERS IN PARKING AREAS.
10. SECONDARY FROM TRANSFORMER TO MAIN DISCONNECT. VERIFY ROUTING WITH UTILITY COMPANY AND ROUTE TO CLEAR STRUCTURAL FOOTING. SEE RISER DIAGRAM. TERMINATE IN ACCORDANCE WITH PLANS AND SPECIFICATIONS.
11. DRIVE THROUGH LANE OPEN/CLOSE GANG SWITCHES. PROVIDE CONSTANT HOT & NEUTRAL. LCP SHALL NOT CONTROL OPEN/CLOSE/ATM SIGNS. SEE DETAIL 3 ON E-501. COORDINATE PLACEMENT WITH ARCHITECT PRIOR TO ROUGH-IN.
12. MAINTENANCE RECEPTACLE: PROVIDE 120V, 20A, GFCI WEATHER-RESISTANT DUPLEX RECEPTACLE IN WEATHERPROOF SURFACE MOUNTED BELL BOX WITH "EXTRA DUTY WHILE-IN-USE" METALLIC COVER.
13. MONUMENT SIGN POWER: COORDINATE EXACT LOCATION OF SIGNAGE STUB-UP WITH SIGN VENDOR AND MAKE FINAL ELECTRICAL CONNECTIONS. PROVIDE 120V, 20A, TOGGLE SWITCH IN METALLIC BELL BOX WITH METALLIC WEATHERPROOF COVER IF DISCONNECT IS NOT FURNISHED WITH MONUMENT SIGN. COORDINATE EXACT LOCATION WITH CIVIL DRAWINGS.
14. CANOPY LIGHT FIXTURE: FACTORY INSTALLED CANOPY LIGHT PROVIDED BY KIOSK MANUFACTURER. EC TO COORDINATE WITH THE MANUFACTURER AND MAKE FINAL CONNECTION.
15. FOR FUTURE EV CHARGING STATIONS. PROVIDE FLUSH, IN GRADE QUAZITE, STRAIGHT WALL, FRP 11"X18"X12" BOX WITH A BOLT ON COVER. PROVIDE 2" CONDUIT WITH PULL STRING FROM THE BOX AND STUB UP INTO PANELBOARD. CAP AND SEAL SPARE CONDUIT. COORDINATE WITH CIVIL PLANS PRIOR TO ROUGH-IN.
16. SOLAR SYSTEM EQUIPMENT: REFER TO GRID-INTERACTIVE PHOTOVOLTAIC SYSTEM DRAWING FOR RESPONSIBILITY.
17. LIGHT FIXTURE WITH DIMMING CAPABILITY: LIGHT FIXTURE IS PROVIDED WITH DIMMING CAPABILITY WITH MOTION SENSOR. THE FIXTURE SHALL BE PROGRAMMED TO DECREASE LUMEN OUTPUT TO 10% WHEN UNOCCUPIED AND 100% WHEN UNOCCUPIED OR MOTION IS DETECTED.
18. EXISTING LIGHT POLE TO REMAIN: EC TO VERIFY THE CONNECTION OF THIS LIGHT POLE. IF THE WIRING IS FROM FIFTH THIRD'S SIDE, EC SHALL EXTEND THE NEW CIRCUIT AND CONTROL AND CONNECT IT TO THIS LIGHT POLE. IF THE CONNECTION IS FROM THE OTHER SIDE, THIS LIGHT POLE SHALL REMAIN AS IS AND BE PROTECTED DURING CONSTRUCTION.
19. OPEN/CLOSE SIGN FOR REMOTE DRIVE-UP CANOPY. PROVIDE CONSTANT HOT & NEUTRAL. LCP SHALL NOT CONTROL OPEN/CLOSE/ATM SIGNS. SEE DETAIL 9 ON E-500. COORDINATE PLACEMENT WITH ARCHITECT PRIOR TO ROUGH-IN. REMOVE IF IT IS NOT REQUIRED BY THE MANUFACTURER.

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SEAL
ANDREW MOHR
FL PE# 73077

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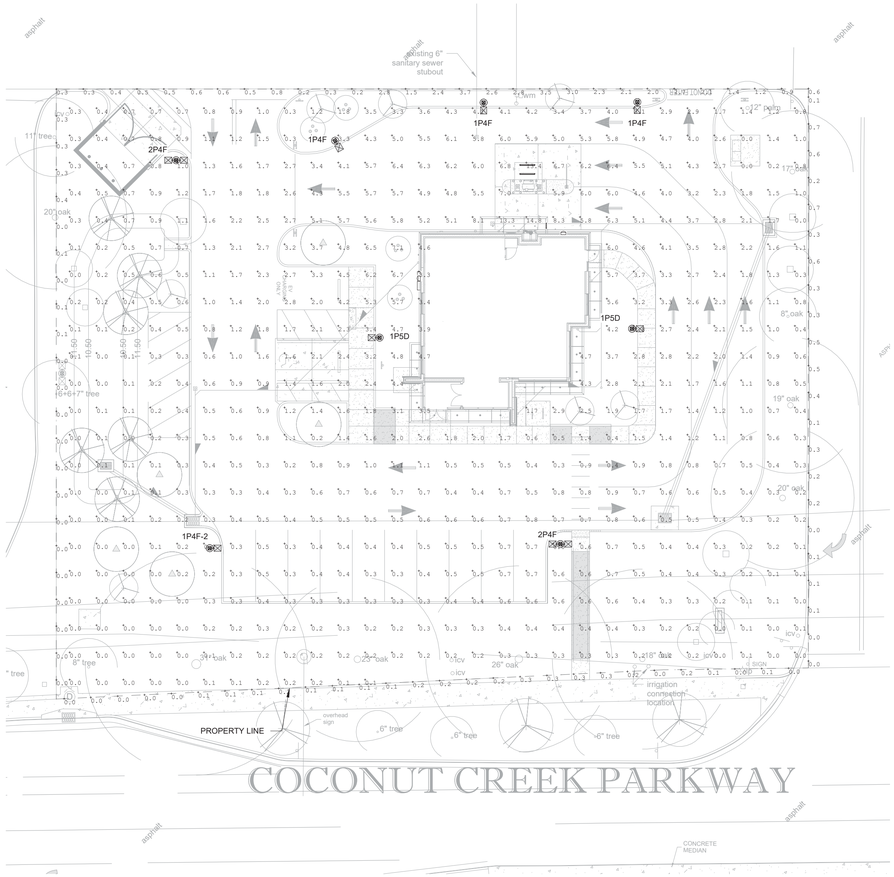
ISSUE	BY	DATE	DESCRIPTION
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1	K.V	12/20/24	DRC Comment #1
2	K	04/28/25	DRC Round 3

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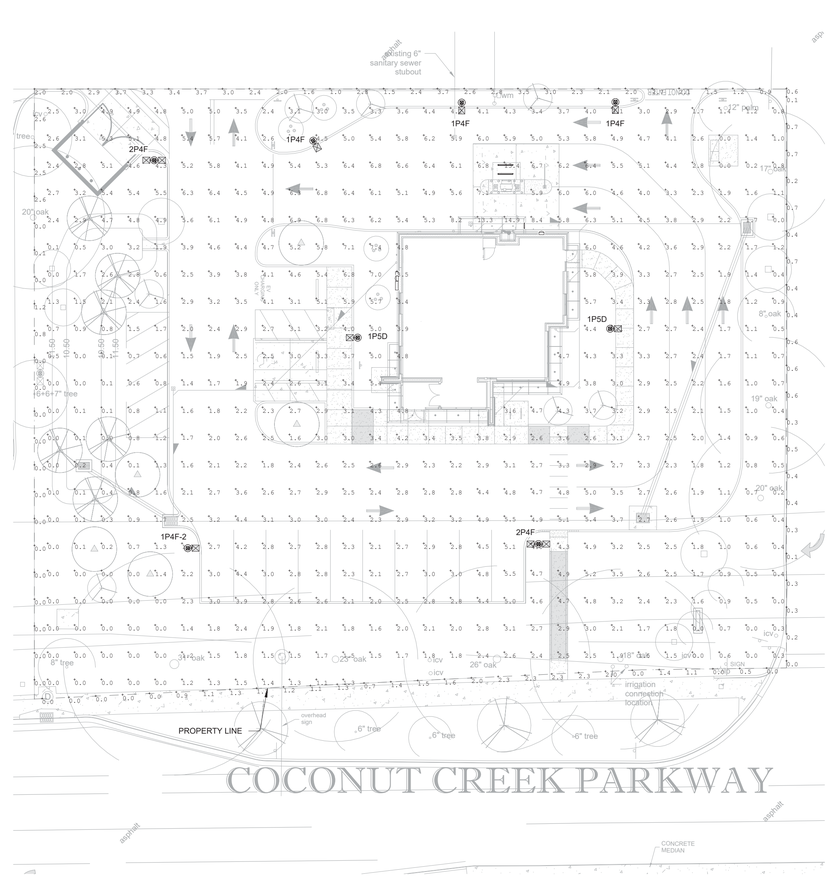
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CHECKED BY:	AM

SHEET TITLE
ELECTRICAL SITE PLAN AND REMOTE DRIVE THRU

SHEET NUMBER
E-010



2 ELECTRICAL PHOTOMETRIC SITE PLAN AT GRADE - UNOCCUPIED
1" = 20'-0"



3 ELECTRICAL PHOTOMETRIC SITE PLAN AT GRADE - OCCUPIED
1" = 20'-0"

CALCULATION SUMMARY AT GRADE(OCCUPIED)

LABEL	CALCTYPE	UNIT	AVG	MAX	MIN	AVG/MIN	MAX/MIN
PARKING LOTS(OCCUPIED)	ILLUMINANCE	FC	3.23	5.5	2.0	1.62	2.75
DRIVEWAY/PARKING LOTS(OCCUPIED)	ILLUMINANCE	FC	3.84	14.9	1.2	3.20	12.42
5FT TRASH ENCLOSURE(OCCUPIED)	ILLUMINANCE	FC	3.97	5.4	2.4	1.65	2.25
PROPERTY LINE	ILLUMINANCE	FC	1.18	3.7	0.0	N.A.	N.A.

SHEET NOTES:

1. PHOTOMETRY CALCULATION: PHOTOMETRIC VALUES SHOWN HEREIN ARE INTENDED FOR DESIGN AND EVALUATION PURPOSES ONLY. THE CALCULATED POINT-BY-POINT VALUES SHOWN ON THIS SHEET ARE BASED ON A COMPUTER LIGHTING PROGRAM WITH APPROXIMATED PARAMETERS. AS A RESULT, PHOTOMETRIC VALUES MAY VARY FROM ACTUAL FIELD MEASUREMENTS.

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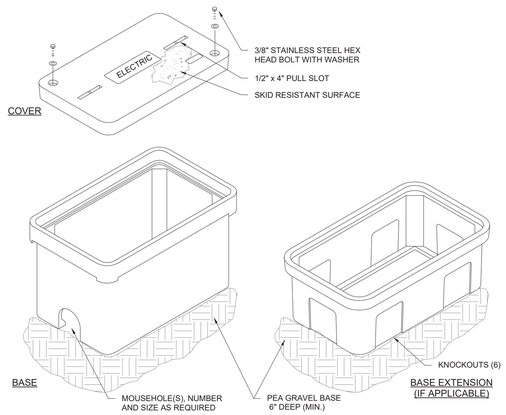
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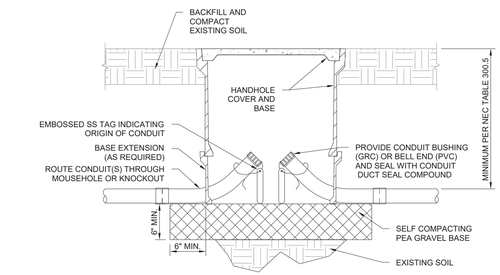
ELECTRICAL PHOTOMETRIC SITE PLAN

SHEET NUMBER

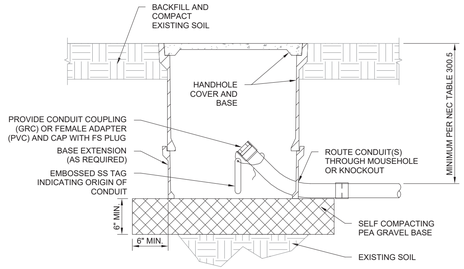
E-011



NOTES:
1. PROVIDE STANDARD POLYMER CONCRETE HAND HOLE SIZED PER NEC. COVER COLOR SHALL MATCH EXISTING.
2. PROVIDE 1" X 3/8" BELL PULL SLOT FOR EACH HAND HOLE.
3. COVER, RING, BASE, AND BASE EXTENSION SHALL BE MADE OF SAME MATERIAL.
4. PROVIDE IMPRINTED 'ELECTRIC' ON COVER.
5. HAND HOLE SHALL BE INSTALLED IN LANDSCAPE AREAS NOT SUBJECT TO VEHICULAR TRAFFIC.
6. HAND HOLE SHALL BE MIN. TIER 8 RATED.
7. ALL TERMINATIONS SHALL BE MADE USING UNITAP TAP CONNECTORS OR COMPRESSION SPLICE KITS LISTED FOR WET LOCATIONS. TWIST ON WIRE CONNECTORS ARE NOT ACCEPTABLE.
8. ALL DISTURBED SOIL SHALL BE WELL COMPACTED.
9. EACH END OF PULL STRING SHALL BE LABELED TO INDICATE ORIGIN/DESTINATION OF CONDUIT.



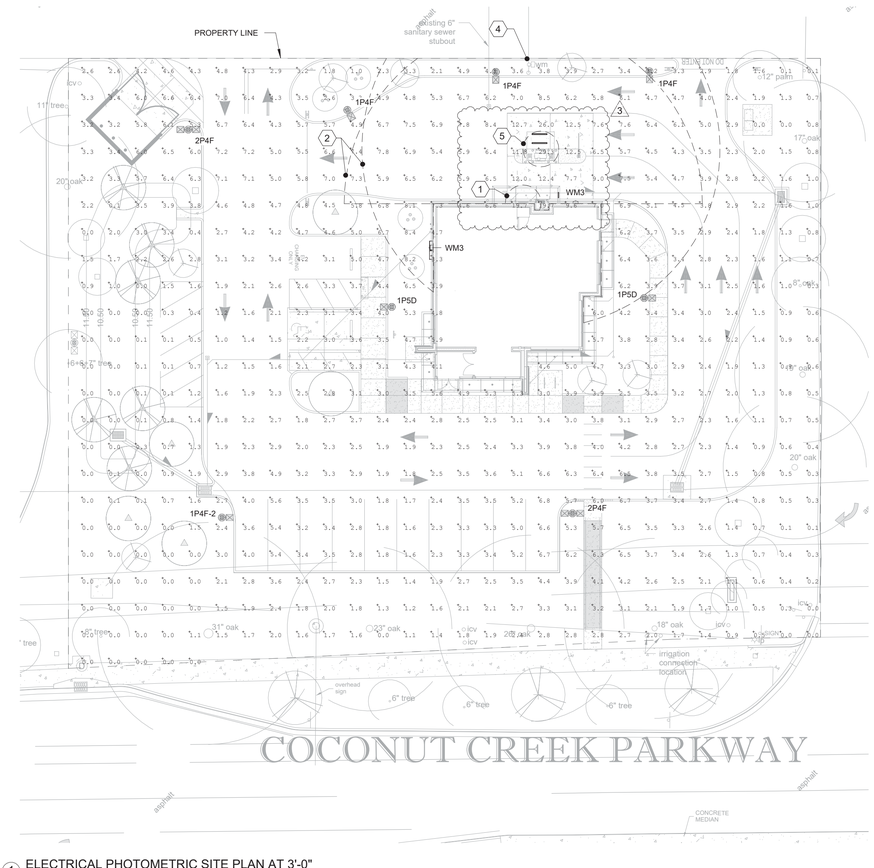
SECTION VIEW OF HAND HOLE



SECTION VIEW OF HAND HOLE (CAPPED SPARE CONDUIT)

HAND HOLE INSTALLED IN LANDSCAPE AREA DETAIL

SCALE	2
N.T.S.	



1 ELECTRICAL PHOTOMETRIC SITE PLAN AT 3'-0"
1" = 20'-0"

KEYED NOTES:

1. AFTER-HOUR DEPOSITORY FIVE FOOT COMPLIANCE AREA: A MINIMUM OF TEN (10) FOOT CANDLE POWER AT THE FACE OF THE ATM/AFTER-HOUR DEPOSITORY EXTENDING OUTWARD FIVE (5) FEET IN ALL UNOBSTRUCTED DIRECTIONS.
2. ATM/AFTER-HOUR DEPOSITORY FIFTY FOOT COMPLIANCE AREA: A MINIMUM OF TWO (2) FOOT CANDLE POWER EXTENDING OUTWARD IN ALL UNOBSTRUCTED DIRECTIONS FIFTY (50) FEET FROM THE FACE OF THE ATM AND AFTER-HOUR DEPOSITORY.
3. NOT USED.
4. BANK CONTROLLED PROPERTY LINES: THE MINIMUM FOOT CANDLE READING WILL BE LIMITED TO BANK CONTROLLED PROPERTY LINES.
5. ATM/VTM FIVE FOOT COMPLIANCE AREA: A MINIMUM OF TEN (10) FOOT CANDLE POWER AT THE FACE OF THE ATM/AFTER-HOUR DEPOSITORY EXTENDING OUTWARD FIVE (5) FEET IN ALL UNOBSTRUCTED DIRECTIONS TO BE PROVIDED BY OWNER'S PREMANUFACTURED ATM CANOPY. THE NUMBER SHOWING IS ESTIMATED NUMBER AND WE ANTICIPATE THE LIGHT LEVEL TO BE.

LIGHTING STANDARDS:

MINIMUM STANDARD

REGULATED STATES: ALABAMA, CALIFORNIA, CONNECTICUT, DISTRICT OF COLUMBIA, FLORIDA, GEORGIA, ILLINOIS, KANSAS, KENTUCKY, LOUISIANA, MARYLAND, MASSACHUSETTS, MISSOURI, MONTANA, NEVADA, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, OREGON, RHODE ISLAND, TEXAS, VIRGINIA, WASHINGTON, VIRGINIA**.

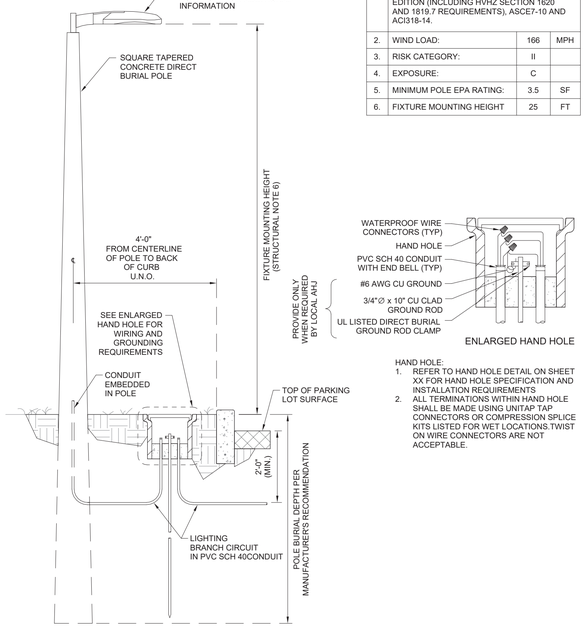
A. BANKING CENTERS IN VIRGINIA MUST COMPLY WITH ALL HOME STATE LAWS AND IS CONSIDERED REGULATED IF THE BANK HEADQUARTERS ARE LOCATED IN A REGULATED STATE.

- A MINIMUM OF TEN (10) FOOT CANDLE POWER AT THE FACE OF THE ATM OR AFTER-HOUR DEPOSITORY EXTENDING OUTWARD FIVE (5) FEET IN ALL UNOBSTRUCTED DIRECTIONS.
- A MINIMUM OF TWO (2) FOOT CANDLE POWER EXTENDING OUTWARDS IN ALL UNOBSTRUCTED DIRECTIONS FIFTY (50) FEET FROM THE FACE OF THE ATM AND AFTER-HOUR DEPOSITORY.
- A MINIMUM OF TWO (2) FOOT CANDLE POWER IN DEFINED PARKING AREAS WITHIN SIXTY (60) FEET OF THE ATM AND AFTER-HOUR DEPOSITORY. IN THE EVENT THE ATM OR AFTER-HOUR DEPOSITORY IS LOCATED WITHIN TEN (10) FEET OF THE CORNER OF THE BUILDING AND IS GENERALLY ACCESSIBLE FROM THE ADJACENT SIDE, THERE SHALL BE A MINIMUM OF TWO (2) FOOT CANDLE POWER ALONG THE FIRST FORTY (40) UNOBSTRUCTED FEET OF THE ADJACENT SIDE OF THE BUILDING.
- IF THE ATM OR AFTER-HOUR DEPOSITORY IS LOCATED INSIDE A ACCESSIBLE VESTIBULE DURING ANY HOURS OF DARKNESS, A MINIMUM OF 10 FOOT CANDLE POWER AT THE FACE OF THE ATM OR AFTER-HOUR DEPOSITORY EXTENDING OUTWARD FIVE (5) FEET IN ALL UNOBSTRUCTED DIRECTIONS. THERE WILL BE A MINIMUM OF TWO (2) FOOT CANDLE POWER AT THE INSIDE OF THE VESTIBULE ENTRY/EXIT DOOR(S). A MINIMUM OF TWO (2) FOOT CANDLE POWER EXTENDING OUTWARDS IN ALL UNOBSTRUCTED DIRECTIONS FIFTY (50) FEET FROM THE VESTIBULE ENTRY/EXIT DOOR. A MINIMUM OF TWO (2) FOOT CANDLE POWER IN DEFINED PARKING AREAS WITHIN SIXTY (60) FEET OF THE VESTIBULE ENTRY/EXIT DOOR. IN THE EVENT THE VESTIBULE ENTRY/EXIT DOOR IS LOCATED WITHIN TEN (10) FEET OF THE CORNER OF THE BUILDING AND IS GENERALLY ACCESSIBLE FROM THE ADJACENT SIDE, THERE SHALL BE A MINIMUM OF TWO (2) FOOT CANDLE POWER ALONG THE FIRST FORTY (40) UNOBSTRUCTED FEET OF THE ADJACENT SIDE OF THE BUILDING. IN URBAN SETTINGS FOR WHICH THERE IS NO DEFINED BANK PARKING AND THE ONLY ACCESS AREA IS A PUBLIC SIDEWALK, A MINIMUM 2 FOOT CANDLE POWER SHALL BE FOR THE FIRST 5 UNOBSTRUCTED FEET FROM THE DOOR. THE MINIMUM FOOT CANDLE READING WILL ALSO BE LIMITED TO BANK CONTROLLED PROPERTY LINES.
- A MINIMUM OF TWO (2) FOOT CANDLE POWER IN THE IMMEDIATE AREA OF THE DESIGNATED ASSOCIATE ENTRANCE/EXIT TO THE FACILITY.
- ALL LIGHTING MEASUREMENTS ARE TO BE TAKEN AT 36 INCHES ABOVE THE GROUND ON A HORIZONTAL PLANE**, UNLESS OTHERWISE SPECIFIED BY STATE LAW OR REGULATION (3/07).**
- THE MINIMUM STANDARD SHALL APPLY UNLESS A GREATER STANDARD IS REQUIRED BY AN APPLICABLE LAW FOR A PARTICULAR FACILITY LOCATION.

CALCULATION SUMMARY AT 36" AFG(OCCUPIED)

LABEL	CALCTYPE	UNIT	AVG	MAX	MIN	AVG/MIN	MAX/MIN
DRIVE-UP ATM - 5FT COMPLIANCE	ILLUMINANCE	FC	PROVIDED BY CANOPY MANUFACTURER				
DRIVE-UP ATM - 50FT COMPLIANCE	ILLUMINANCE	FC	5.95	25.1	2.2	2.70	11.41
NIGHT DEPOSITORY - 5FT COMPLIANCE	ILLUMINANCE	FC	21.62	25.1	19.5	1.11	1.29
NIGHT DEPOSITORY - 50FT COMPLIANCE	ILLUMINANCE	FC	6.39	25.1	2.2	2.90	11.41

STRUCTURAL NOTES :			
1.	THE COMPLETE LIGHT POLE ASSEMBLY INCLUDING POLE, CROSS ARM(S), LIGHT FIXTURES AND FOUNDATION MEET THE MINIMUM REQUIREMENTS OF FBC 2023 8th EDITION (INCLUDING HVHZ SECTION 1620 AND 1619.7 REQUIREMENTS), ASCE7-10 AND ACI318-14.		
2.	WIND LOAD:	166	MPH
3.	RISK CATEGORY:	II	
4.	EXPOSURE:	C	
5.	MINIMUM POLE EPA RATING:	3.5	SF
6.	FIXTURE MOUNTING HEIGHT	25	FT



ENLARGED HAND HOLE

HAND HOLE:
1. REFER TO HAND HOLE DETAIL ON SHEET XX FOR HAND HOLE SPECIFICATION AND INSTALLATION REQUIREMENTS
2. ALL TERMINATIONS WITHIN HAND HOLE SHALL BE MADE USING UNITAP TAP CONNECTORS OR COMPRESSION SPLICE KITS LISTED FOR WET LOCATIONS.TWIST ON WIRE CONNECTORS ARE NOT ACCEPTABLE.

SITE POLE LIGHT DETAIL DIRECT BURIAL - CONCRETE

SCALE	1
N.T.S.	

The following lines are excerpts from the Florida Statutes and are shown on this drawing for informational purposes only:

FLORIDA STATUTES

2019 FLORIDA STATUTES
TITLE XXXVIII. BANKS AND BANKING
CHAPTER 655. FINANCIAL INSTITUTIONS GENERALLY

655.960 Definitions; ss. 655.960-655.965. --
As used in this section and ss. 655.961-655.965, unless the context otherwise requires:
1. "Access area" means any paved walkway or sidewalk which is within 50 feet of any automated teller machine. The term does not include any street or highway open to the use of the public, as defined in s. 316.003(83)(a) or (b), including any adjacent sidewalk, as defined in s. 316.003.
2. "Access device " has the same meaning as set forth in Federal Reserve Board Regulation E, 12 C.F.R. part 205, promulgated pursuant to the Electronic Fund Transfer Act, 15 U.S.C. ss. 1601 et seq.
3. "Automated teller machine " means any electronic information processing device located in this state which accepts or dispenses cash in connection with a credit, deposit, checking, or convenience account. The term does not include devices used solely to facilitate check guarantees or check authorizations or which are used in connection with the acceptance or dispensing of cash on a person-to-person basis, such as by a store cashier.
4. "Candlefoot power" means the light intensity of candles on a horizontal plane at 36 inches above ground level and 5 feet in front of the area to be measured.
5. "Control," with respect to an access area or defined parking area, means to have the present legal authority to determine how, when, and by whom such area is to be used, and how such area is to be maintained, lighted, and landscaped. If an operator leases an access area or defined parking area as lessee, such lessee shall not be considered to have control for the purposes of ss. 655.960-655.965.
6. "Customer" means a natural person to whom an access device has been issued for personal, family, or household use.
7. "Defined parking area " means that portion of any parking area open for customer parking which is contiguous to an access area with respect to an automated teller machine, is regularly, principally, and lawfully used for parking by users of the automated teller machine while conducting automated teller machine transactions during the hours of darkness, and is owned or leased by the operator of the automated teller machine or owned or controlled by the party leasing the automated teller machine site to the operator. The term does not include any parking area which is not open or regularly used for parking by users of the automated teller machine who are conducting automated teller machine transactions during the hours of darkness. A parking area is not open if it is physically closed to access or if conspicuous signs indicate that it is closed. If a multiple level parking area satisfies the conditions of this subsection and would therefore otherwise be a defined parking area, only the single parking level deemed by the operator of the automated teller machine to be the most directly accessible to the users of the automated teller machine shall be considered a parking area.
8. "Financial institution office " means a main office or principal office, as defined in s. 655.005, and a branch or branch office as defined in s. 658.12(4).
9. "Hours of darkness " means the period that commences 30 minutes after sunset and ends 30 minutes before sunrise.
10. "Operator" means any financial institution, as defined in s. 655.005, other business entity, or any person who controls the use or operation by a customer or other member of the general public of an automated teller machine. An operator controls the use or operation of an automated teller machine for the purposes of ss. 655.960-655.965 if such person or entity has the present legal authority to determine when and by whom the automated teller machine may be used or operated and how it is to be maintained in compliance with the provisions of ss. 655.960-655.965. An operator does not include any person or entity which is not a financial institution, if the primary function of such person or entity is to provide data processing services for automated teller machine transactions or to provide for the exchange, transfer, or dissemination of electronic funds transfer data.
11. Terms which are defined in the financial institution codes, unless the context otherwise requires, have the meanings ascribed to them therein for purposes of ss. 655.960-655.965.

655.962 Lighting; mirrors; landscaping. --
1. Each operator, or other person responsible for an automated teller machine pursuant to ss. 655.960-655.965, shall provide lighting during the hours of darkness with respect to an open and operating automated teller machine and any defined parking area, access area, and the exterior of an enclosed automated teller machine installation, as follows:
2. There shall be a minimum of 10 candlefoot power at the face of the automated teller machine and extending in an unobstructed direction outward 5 feet.
   a. There shall be a minimum of 2 candlefoot power within 50 feet in all unobstructed directions from the face of the automated teller machine. If the automated teller machine is located within 10 feet of the corner of the building and the automated teller machine is generally accessible from the adjacent side, there shall be a minimum of 2 candlefoot power along the first 40 unobstructed feet of the adjacent side of the building.
   b. There shall be a minimum of 2 candlefoot power in that portion of the defined parking area within 60 feet of the automated teller machine.
   c. The operator shall provide reflective mirrors or surfaces at each automated teller machine which provide the customer with a rear view while the customer is engaged in using the automated teller machine.
3. The operator, or other person responsible pursuant to ss. 655.960-655.965 for an automated teller machine, shall ensure that the height of any landscaping, vegetation, or other physical obstructions in the area required to be lighted pursuant to subsection (1) for any open and operating automated teller machine shall not exceed 3 feet, except that trees trimmed to a height of 10 feet and whose diameters are less than 2 feet and manmade physical obstructions required by statute, law, code, ordinance, or other governmental regulation shall not be affected by this subsection.

655.964 Application.--
1. The provisions of ss. 655.961 and 655.962 do not apply to any automated teller machine which is:
   a. Located inside of a building, unless it is a freestanding installation which exists for the sole purpose of providing an enclosure for the automated teller machine.
   b. Located inside a building, except to the extent a transaction can be conducted from outside the building.
   c. Located in any area, including any access area, building, enclosed space, or parking area which is not controlled by the operator.
2. The provisions of ss. 655.960-655.965 shall not be construed to create any duty, responsibility, or obligation for any person or entity whose primary function is to provide for the exchange, transfer, or dissemination of electronic funds transfer data and is not otherwise a financial institution, as defined in s. 655.005, or an operator.

655.965 Preemption; prohibition.--
Except as expressly provided, the provisions of this section and ss. 655.960-655.964 supersede and preempt all rules, regulations, codes, or ordinances of any city, county, municipality, or other political subdivision of this state, and of any local agency regarding customer safety at automated teller machines located in this state.

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SEAL

ANDREW MOHR
FL PE# 73077

This item has been electronically signed and sealed by Andrew Mohr, P.E. on the date and/or time stamp shown using a digital signature. Printed copies of this document are not considered signed and sealed and the signature must be verified by a 3rd Party Certificate Authority on any electronic copy. FAC 61G15-23.004

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FL Cert. of Auth# 27889

ISSUE	BY	DATE	DESCRIPTION
	K.V	08/26/24	Permit Set
2	K	04/28/25	DRC Round 3
3	K	06/25/25	DRC round 4

PROJECT INFORMATION BLOCK

JOB #	230649/15-328.00
DATE:	04/28/2024
DRAWN BY:	KL
CHECKED BY:	AM

SHEET TITLE

ELECTRICAL PHOTOMETRIC PLAN AND SITE DETAILS

SHEET NUMBER

E-012

EVOLVE



CUSTOMER NAME _____

PROJECT NAME _____

DATE _____ TYPE _____

CATALOG NUMBER _____

EALS Series

LED Outdoor Area Light

The EALS Area Light luminaire offers a wide range of optical patterns, color temperatures, lumen packages and mounting configurations to optimize area light applications, as well as provide versatility in lighting design within the same form-factor. They are ideal for commercial property site-lighting applications such as retail and commercial exteriors.

Construction

Housing:	Aluminum die cast enclosure. Integral heat sink for maximum heat transfer
Lens:	Impact resistant tempered glass
Paint:	Corrosion resistant polyester powder paint, minimum 2.0 mil thickness Standard = Black, Dark Bronze Gray, White (RAL & custom colors available) Optional = Coastal Finish
Weight:	27 lbs

Optical System

Lumens:	7,000 - 30,300
Photometry:	Type II, III, IV & V
Efficacy:	126 - 160 LPW
CCT:	3000K, 4000K, 5000K
CRI:	>70
Upward Light Output Ration (ULOR):	0 Horizontal Orientation

Electrical

Input Voltage:	120-277V, 277-480V & 347-480V
Input Frequency:	50/60 Hz
Power Factor (PH):	> 90% at rated watts
Total Harmonic Distortion (THD):	< 20% at rated watts

Surge Protection

TYPICAL (120 STRIKES)		
☐ 6kV/3kA*	☐ 10kV/5kA*	☐ 20kV/10kA*

***Per ANSI C136.2-2015**

Lumen Maintenance

Projected Lxx per IES TM-21-11 at 25°C

OPTICS	LXX(10K) @ HOURS		
	25,000 HR	50,000 HR	60,000 HR
C2, C3, C4, C5, D2, D3, D4, D5	L96	L92	L91
F5, H2, H3, H4, H5	L95	L93	L92
F2, F3, F4, J3, J3, J4, J5	L95	L93	L92
K2, K3, K4, K5	L95	L93	L92

Note: Projected Lxx based on LM80 (> 10,000 hour testing). Accepted industry tolerances apply to initial luminous flux and lumen maintenance measurements.

Luminaire Ambient Temperature Factor

AMBIENT TEMP (°C)	INITIAL FLUX FACTOR	AMBIENT TEMP (°C)	INITIAL FLUX FACTOR
10	1.02	30	0.99
20	1.01	40	0.98
25	1.00		

Ratings

Operating Temperature:	-40° C to 40° C
Vibration: LM-79:	3G per ANSI C136.31-2010 Testing in accordance with IESNA Standards

Controls

Dimming:	Standard - 0-10V ☐ Optional - DALI (Option U) ☐
Sensors:	Photo Electric Sensors (PE) available LightGrid and Daintree Compatible

Warranty

☐ 5 Year (Standard) ☐ 10 Year (Optional)

IP66 HDB

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EVOLVE

EALS Series

LED Outdoor Area Light

CUSTOMER NAME _____

PROJECT NAME _____

DATE _____ TYPE _____

CATALOG NUMBER _____

Ordering Information

EALS 03 _ _ _ _ _ 7 _ _ _ _ _ _ _ _

PRODUCT ID	GENERATION	VOLTAGE	OPTICAL CODE	DISTRIBUTION	CRI	CCT	DIMMING[a]	CONTROLS	MOUNTING ARM	COLOR	OPTIONS
E= Evolve	03	0=120-277V	Cx =7500[d]	SM = Symmetric Medium	7 = 70 (min)	30[i] = 3000K	N = Dimming thru PE receptacle	A = ANSI C136.41 7-Pin Receptacle (No Control)	CT[l] = Integral Slipfitter: Standard	1LCK = Black	F= Fusing
AL= Area Light		H[f] = 347-480V	Dx = 10000 lm[m]	SW = Symmetric Wide		40 = 4000K	D = External Dimming 18/2 3 ft Cable	D = ANSI C136.41[r] - Pin Receptacle with Shorting Cap	DT[l] = Universal Mounting Arm Fitted for round or square pole mounting	1KBZ = Dark Bronze	H = Motion Sensor[i, j, k] (Sensor Switch)
S = Standard		E[g] = 277-480V	Fx = 15000 lm	SH = Symmetric High Angle		50 = 5000K	X = Non dimming, no external dimming leads[n]	E[r] = ANSI C136.41 7-pin with Non-Dimming PE Control	KT[l] = Knuckle Slipfitter: For 1.9 in. - 2.3 in OD Tenon	6RAY = Gray	H1 = LightGrid w/ WattStopper [j]
			Hx = 20000 lm	AF = Asymmetric Forward					S1[l, o] = Knuckle Slipfitter: For 2.3 in. - 3.0 in OD Tenon	1WHTE = White	H2 = Daintree enabled motion sensor[i, k]
		1 = 120V	Jx = 25000 lm	AH = Asymmetric High Angle					VT[l, p] = Knuckle Wall Mount		H4 = Motion Sensor (WattStopper) [k]
		2 = 208V	Kx = 30000 lm	AW = Asymmetric Wide							J = cUL/Canada
		3 = 240V		AN = Asymmetric Narrow/Auto							L = Tool-Less Entry
		4 =277V									R = Enhanced Surge Protection (10kV/5kA)
		D = 347V									S1[q] = Rotated Left
		5 = 480V									S2[q] = Rotated Right
											T = Extreme Surge Protection (20kV/10kA)
											U [s] = DALI Programmable
											V = 3 Position Terminal Block
											Y[o] = Coastal Finish
											XXX = Special Options

[a] Not Available with Fusing, Must Choose a Discrete Voltage with "F" Option Code
[b] Note Standard Dimming is 0-10V
[c] Not available in 277-480V
[d] Supplied with 3ft leads
[e] Supplied with 10/3 ft Cable
[f] Restricted Aiming Angle of 0-45°
[g] Compatible with LightGrid Wireless Control Nodes, Not Compatible with Motion Sensor Control
[h] Not available in 347V, 480V or 347-480V
[i] Only available with FJ,LJK optics
[j] Recommended for installations within 75Q feet from coast. Lead time varies, check with factory.
[k] Select 3000K CCT for IDA approved fixtures.
[l] For aimed left of right light distribution orientation, as assembled in manufacturing. Not applicable for Symmetric Distributions
[m] Required for Cx optical codes only, not available for other optic codes
[n] Not available with DALI
[o] DALI option not available with 347V, 480V, or 347-480V
[p] Not available with 20kV/10kA SPD

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EVOLVE

EALS Series

LED Outdoor Area Light

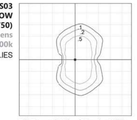
CUSTOMER NAME _____

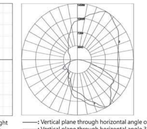
PROJECT NAME _____

DATE _____ TYPE _____

CATALOG NUMBER _____

EALS03
ASYMMETRIC NARROW
(K2AN750)
30300 Lumens
5000k
EALS03_K2AN750_____.IES

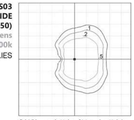


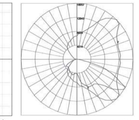


Grid Distance ir Units of Mounting Height at 40' Initial Footcandle Values at Grade

—— Vertical plane through horizontal angle of maximum candlepower at 55°
—— Vertical plane through horizontal angle 34°

EALS03
ASYMMETRIC WIDE
(K3AW750)
30300 Lumens
5000k
EALS03_K3AW750_____.IES

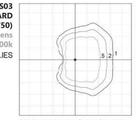


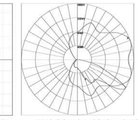


Grid Distance ir Units of Mounting Height at 40' Initial Footcandle Values at Grade

—— Vertical plane through horizontal angle of maximum candlepower at 45°
—— Vertical plane through horizontal angle 58°

EALS03
ASYMMETRIC FORWARD
(K4AF750)
30000 Lumens
5000k
EALS03_K4AF750_____.IES

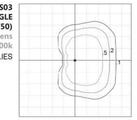


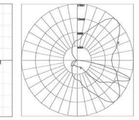


Grid Distance ir Units of Mounting Height at 40' Initial Footcandle Values at Grade

—— Vertical plane through horizontal angle of maximum candlepower at 20°
—— Vertical plane through horizontal angle 58°

EALS03
ASYMMETRIC HIGH ANGLE
(K4AH750)
29000 Lumens
5000k
EALS03_K4AH750_____.IES





Grid Distance ir Units of Mounting Height at 40' Initial Footcandle Values at Grade

—— Vertical plane through horizontal angle of maximum candlepower at 45°
—— Vertical plane through horizontal angle 70°

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SEAL

ANDREW MOHR
FL PE# 73077

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FL Cert. of Auth# 27889

ISSUE	BY	DATE	DESCRIPTION
	K.V	08/26/24	Permit Set

PROJECT INFORMATION BLOCK

JOB #	**230649/15-328.00**
DATE:	**04/28/2024**
DRAWN BY:	**KL**
CHECKED BY:	**AM**

SHEET TITLE

EXTERIOR LIGHTING CUTSHEETS

SHEET NUMBER

E-601

Catalog #: _____ Project: _____

Prepared By: _____ Date: _____ Type: _____

XSPS

LED Soffit Light



OVERVIEW	
Lumen Package	4000 - 8000
Wattage Range	43 -59
Efficacy Range (LPW)	96 -104
Weight lbs (kg)	7.6 (3.5)

QUICK LINKS

Ordering Guide | Performance | Photometrics | Dimensions

FEATURES & SPECIFICATIONS

Construction

- Housing is die-formed aluminum with diffuse acrylic lens providing a water-resistant seal. Enclosure contains factory prewired driver and optical unit containing LEDs.
- Recess mount into an enclosed soffit with screws through the mounting frame. 8" clearance required for ease of installation.
- Finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling, and is guaranteed for five full years. Standard color is gloss white.
- Shipping weight: 7.6 lbs in carton.
- Suitable for wet locations.

Optical System

- Symmetric distribution with excellent uniformity and a BUG rating of B2-UO-G1. Diffuse lens is standard to minimizing visibility of LEDs.
- Select high-brightness LEDs.
- Available in 5000K, 4000K and 3000K
- Color temperatures per ANSI C78.377.
- Minimum CRI of 80.

Electrical

- High-performance factory programmable driver features over-voltage, under voltage, short-circuit and over temperature protection with integral surge protection that meets IEEE C62.41.2 and ANSI C82.77. -5 Location Category C Low standards.
- 0-10 volt dimming (10% - 100%) standard.
- 120-347VAC 50/60Hz
- Thermal protector standard on 5000-8000 lumen versions.
- L80 Calculated Life: >100k Hours (See Lumen Maintenance chart)
- Total harmonic distortion: <20%
- Operating temperature: -40°C to 40°C (-40°F to 104°F) for HO and VHO. -40°C to 45°C (-40°F to 113°F) for SS. -40°C to 35°C (-40°F to 95°F) for SHO .
- Power factor: >0.90
- Input power stays constant over life.
- High-efficacy LEDs with integrated circuit board mount to the housing to maximize heat dissipation and promote long life.
- Driver components are fully encased in potting material for moisture resistance. Driver complies with FCC standards.

Warranty

- LSI luminaires carry a 5-year limited warranty. Refer to https://www.lsicorp.com/resources/terms-conditions-warranty/ for more information.

Listings

- Listed to UL 1598 and UL 8750
- Suitable For Damp Locations
- Meets Buy American Act requirements.
- DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.
- IDA compliant with 3000K or lower color temperature.

Type: _____

XSPS LED Soffit Light

Back to Quick Links

ORDERING GUIDE

TYPICAL ORDER EXAMPLE: **XSPS S LED SS CW 120 GWT DFL**

Prefix	Distribution	Light Source	Drive Current	Color Temperature	Input Voltage	Finish	Lens	Options
XSPS - LED Soffit	**S** - Symmetric	**LED**	**SS** - 4,000 Lumens **HO** - 5,000 Lumens **VHO** - 8,000 Lumens	**CW** - 5000K 80 CRI **NW** - 4000K 80 CRI **WW** - 3000K 80 CRI	**120** - 120V **208** - 208V **240** - 240V **277** - 277V **347** - 347V	**GWT** - Gloss White	**DFL** - Diffused Acrylic Lens	**CMT** - Channel Bar Mounting Kit **BB** - Emergency Battery Pack[1]

1 - Emergency Battery Pack only available on the SS - 4000 lumen version (120, 208, 240 & 277V versions).

PERFORMANCE

DELIVERED LUMENS

Lumen Package	Distribution	Lens Type	CRI	3000K CCT			4000K CCT			5000K CCT			Wattage
				Delivered Lumens	Efficacy	Bug Rating	Delivered Lumens	Efficacy	Bug Rating	Delivered Lumens	Efficacy	Bug Rating	
SS	S	DFL	80	3816	123	B2-U0-G1	4022	129	B2-U0-G1	3966	128	B2-U0-G1	31
HO	S	DFL	80	4756	120	B2-U0-G1	5011	127	B2-U0-G1	4941	125	B2-U0-G1	40
VHO	S	DFL	80	5733	118	B2-U0-G1	6041	124	B2-U0-G1	5957	122	B2-U0-G1	49
SHO	S	DFL	80	7559	113	B3-U0-G1	7965	119	B3-U0-G1	7853	118	B3-U0-G1	67

LEDs are frequently updated therefore values are nominal.

Electrical Data (Amps)*

Lumen Package	Wattage	120V	208V	240V	277V	347V
SS	31	0.26	0.15	0.13	0.11	0.09
HO	40	0.33	0.19	0.16	0.14	0.11
VHO	49	0.41	0.23	0.2	0.18	0.14
SHO	67	0.56	0.32	0.28	0.24	0.19

*Electrical data at 25C (77F). Actual wattage may differ by +/-10%.

RECOMMENDED LUMEN MAINTENANCE

Ambient Temp C	Initial[1]	25K hrs.[1]	50K hrs.[1]	75K hrs.[2]	100K hrs.[2]
25 C	100%	95%	91%	86%	82%

1 - In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times the IESNA LM-80-08 total test duration for the device under testing.
2 - In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times the IESNA LM-80-08 total test duration for the device under testing.

Catalog # : _____ Project : _____ Type : _____

Prepared By : _____ Date : _____

Mirada Medium Wall Sconce (XWM)

Outdoor Wall Sconce



OVERVIEW	
Lumen Package	3,000 - 21,000
Wattage Range	23 - 175
Efficacy Range (LPW)	123 - 158
Weight lbs(kg)	27 (12.2)
Control Options	IMSBT, ALB, ALS, PCI

QUICK LINKS

Ordering Guide | Performance | Photometrics | Dimensions

FEATURES & SPECIFICATIONS

Construction

- Rugged die-cast aluminum housing contains factory prewired driver and optical unit. Hinged die-cast aluminum wiring access door located underneath.
- Galvanized-steel universal wall mount bracket comes standard with hinging mechanism to easily access the junction box wire connections without removing the luminaire.
- Optional pole-mounting bracket (XPMA) permits mounting to standard poles.
- Fixtures are finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling. After standard LSI finishes available. Consult factory.
- Max shipping weight: 30lbs in carton

Optical System

- State-of-the-Art one piece silicone optic provides industry leading optical control while also acting as an integrated gasket reducing system complexity and improving fixture reliability.
- Proprietary silicone refractor optics provide exceptional coverage and uniformity in Types 2, 3, 4, and FT distributions.
- Silicone optical material does not yellow or crack with age and provides a typical light transmittance of 93-95%.
- Zero uplight.
- Available in 5000K, 4000K and 3000K color temperatures per ANSI C78.377. Also Available in Phosphor Converted Amber with Peak intensity at 610nm.
- Minimum CRI of 70.

Electrical

- High-performance programmable driver features over-voltage, under-voltage, short-circuit and over temperature protection. Custom lumen and wattage packages available.
- 0-10V dimming (10% - 100%) standard.
- Standard Universal Voltage (120-277 Vac) Input 50/60 Hz or optional High Voltage (347-480 Vac).
- L80 Calculated Life: >100k Hours
- Total harmonic distortion (THD): <20%
- 3L to 12L operating temperature: -40°C to +50°C (-40°F to +122°F)
- 15L operating temperature: -40°C to +45°C (-40°F to +113°F).
- 18L operating temperature: -40°C to +40°C (-40°F to +104°F).
- 21L operating temperature: -40°C to +35°C (-40°F to + 95°F).
- Power factor (PF): >.90
- Input power stays constant over life.
- Optional 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).
- High-efficacy LEDs mounted to metal-core circuit board to maximize heat dissipation
- Components are fully encased in potting material for moisture resistance. Driver complies with FCC standards. Driver and key electronic components can easily be accessed via hinged door.
- Optional integral emergency battery pack provides 90-minutes of constant power to the LED system, ensuring code compliance. A test switch/indicator button is installed on the housing for ease of maintenance. The fixture delivers 1500 lumens during emergency mode.

Controls

- Integral passive infrared Bluetooth™ motion sensor options. Fixtures operate independently and can be commissioned via an iOS or Android configuration app. Updates and modifications to the control strategy are easily implemented via an intuitive app.
- LSI's AirLink™ Blue lighting control system is a simple feature rich wireless Bluetooth mesh network. The integrated fixture sensor module provides wireless control of grouped fixtures based on motion sensors, daylight or a fully customizable schedule.

Installation

- Universal wall mounting plate easily mounts directly to 4" octagonal or square junction box.
- 2 fasteners secure the hinged door underneath the housing and provide quick & easy access to the electrical compartment for installing/servicing.
- Optional terminal block accepts up to 12 ga wire.

Warranty

- LSI luminaires carry a 5-year limited warranty. Refer to https://www.lsicorp.com/resources/terms-conditions-warranty/ for more information.
- 1 Year warranty on Battery Back-up option.

Listings

- Listed to UL 1598 and UL 8750.
- Meets Buy American Act requirements.
- IDA compliant with 3000K or lower color temperature selection.
- Title 24 Compliant; see local ordinance for qualification information.
- Suitable for wet Locations.
- IP65 rated luminaire per IEC 60598.
- 3G rated for ANSI C136.31 high vibration applications when pole mounted (using optional XPMA bracket) or wall mounted.
- IK08 rated luminaire per IEC 66262 mechanical impact code
- DesignLights Consortium® (DLC) Premium qualified product. Not all versions of this product may be DLC Premium qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

Mirada Medium Wall Sconce (XWM) Outdoor Wall Sconce

Have questions? Call us at (800) 436-7800

Type : _____

ORDERING GUIDE

Back to Quick Links

TYPICAL ORDER EXAMPLE: **XWM 2 LED 03L 30 UE BRZ ALSC**

Family	Distribution	Light Source	Lumen Package	Color Temperature
XWM - Mirada Medium Wall Sconce	**2** - Type 2 **3** - Type 3 **4** - Type 4 **FT** - Type 4 Forward Throw	**LED**	**3L** - 3,000 **4L** - 4,000 **6L** - 6,000 **8L** - 8,000 **12L** - 12,000 **15L** - 15,000 **18L** - 18,000 **21L** - 21,000 **Custom Lumen Packages**[1]	**30** - 3000K **40** - 4000K **50** - 5000K **AMB** - Phosphor Converted Amber[2]

Voltage	Finish	Controls	Options
UE - Universal Voltage (120-277V) **HV** - High Voltage (347-480V)	**BLK** - Black **BRZ** - Dark Bronze **GMG** - Gun Metal Gray **GPT** - Graphite **MSV** - Metallic Silver **PLP** - Platinum Plus **SVG** - Satin Verde Green **WHT** - White	**Blank** - None **Wireless Controls** **ALSC** - Airlink Synapse Control System **ALSCSD1** - AirLink Synapse Control System with 8-12' Motion Sensor **ALSCSD2** - AirLink Synapse Control System with 12-20' Motion Sensor **ALBCS1** - AirLink Blue Wireless Motion & Photo Sensor Controller (8-24' MH)[3] **ALBCS2** - AirLink Blue Wireless Motion & Photo Sensor Controller (25-40' MH)[3] **Standalone Controls** **DIM** - 0-10v Dimming leads extended to housing exterior **IMSBT1** - Integral Bluetooth™ Motion and Photocell Sensor (8-24' MH)[3,4] **IMSBT2** - Integral Bluetooth™ Motion and Photocell Sensor (25-40' MH)[3,4] **Button Type Photocells** **PCI120** - 120V **PCI208-277** - 208 -277V **PCI347** - 347V	**Blank** - None **BB** - Battery Back-up (0°C)[5] **CWBB** - Cold Weather Battery Backup (-20°C)[5] **XPMA** - Pole Mounting Bracket **SPJ** - 10kV Surge Protection **TB** - Terminal Block

Need more information? Click here for our glossary

Have additional questions? Call us at (800) 436-7800

FUSING ACCESSORY ORDERING INFORMATION[6]

Part Number	Description
FK120[7]	FK120 - Single Fusing
FK277[7]	FK277 - Single Fusing
FK347[7]	FK347 - Single Fusing
DFK208[8]	DFK - Double Fusing
DFK240[8]	DFK - Double Fusing (240V)
DFK480[8]	DFK - Double Fusing (480V)

MOUNTING ACCESSORY ORDERING INFORMATION[6]

Part Number[6]	Description
356915CLR	XWM Wet Location Surface Conduit/Wiring Box
751632	10' Linear Bird Spike Kit (2' Recommended per Luminaire)

1 Custom lumen and wattage packages available consult factory. Values are within industry standard tolerances but not DLC listed.
2 Only available in 6L Lumen Package. Consult factory for lead time and availability.
3 IMSBT and ALBCS control options are not available in 3L or 4L lumen packages when high voltage (HV) is specified.
4 IMSBTxL is field configurable via the Leviton app that can be downloaded from your smartphone's app store.
5 Not available in HV.
6 Accessories are shipped separately and field installed.
7 Fusing must be located in a hand hole for pole or in the junction box.
8 "CLR" to be replaced by paint finish selection. See Finish options for paint color selections.

ECO 5" LED DOWNLIGHT

EDSAIC, EDSANC, EDSNC, EDSRM
EDSLAIC, EDSLANC, EDSLNIC, EDSLRIC
EDSSNIC

SPEC-00273 NEW ECO, 5", V-8.0, UPDATED 05/19/2023

PROJECT: _____
TYPE: _____
NOTE: _____


EDSANC, EDSLANC


EDSAIC, EDSLAIC


EDSNC, EDSLNIC


EDSRM, EDSLRIC


EDSSNIC

LED LIGHT ENGINE

RATED WATTAGE	**29.5W, 24W, 15.3W**
DELIVERED LUMENS	Up to 2657 lm
EFFICACY	Up to 104 LPW
CCT @ 90CRI	2700K, 3000K, 3500K, 4000K, Warm Dim
COLOR QUALITY	90+ CRI, 2-Step SDCM
LED LIFETIME	55,000 hours @ L90

DELIVERED LUMENS MATRIX

EDS (29.5W)	10° Optic	30° Optic	50° Optic	80° Optic
2700K (90CRI)	2275 lm	2403 lm	2139 lm	1624 lm
3000K (90CRI)	2458 lm	2597 lm	2311 lm	1755 lm
3500K (90CRI)	2516 lm	2657 lm	2366 lm	1796 lm
4000K (90CRI)	2590 lm	2735 lm	2435 lm	1849 lm

EDS NIC, RIC (15.3W)	10° Optic	30° Optic	50° Optic	80° Optic
Warm Dim (98 CRI, R9>90)	1030 lm	1081 lm	992 lm	723 lm

EDS AIC, ANC (24W)	10° Optic	30° Optic	50° Optic	80° Optic
Warm Dim (98 CRI, R9>90)	1472 lm	1545 lm	1418 lm	1033 lm

EDSL (15.3W)	10° Optic	30° Optic	50° Optic	80° Optic
2700K (90CRI)	1348 lm	1424 lm	1268 lm	963 lm
3000K (90CRI)	1457 lm	1539 lm	1370 lm	1040 lm
3500K (90CRI)	1491 lm	1575 lm	1402 lm	1065 lm
4000K (90CRI)	1535 lm	1621 lm	1443 lm	814 lm

EDSS (24W)	10° Optic	30° Optic	50° Optic	80° Optic
2700K (90CRI)	1953 lm	2063 lm	1836 lm	1394 lm
3000K (90CRI)	2110 lm	2229 lm	1984 lm	1507 lm
3500K (90CRI)	2160 lm	2282 lm	2031 lm	1542 lm
4000K (90CRI)	2223 lm	2348 lm	2090 lm	1587 lm
Warm Dim (98 CRI, R9>90)	1472 lm	1545 lm	1418 lm	1033 lm

SILENT VU™ OPTICS TECHNOLOGY

OPTICS	50° installed, 10°, 30°, 80° available
ADJUSTABLE	0° to 45° tilt (Adjustable housings only)
MEDIA	Clear, Solite, Frosted, Linear Spread

POWER SUPPLY

INPUT VOLTAGE	120/277V, 50/60Hz
DIMMING	TRIAC, ELV, 0-10V, dims to 1%
SERVICABILITY	Below Ceiling Access

TRIM OPTIONS

- Fixed or Adjustable
- Round or Square
- Standard or Trimless
- Wall Wash
- Wet Location

TRIM COLORS

- White
- Black
- Champagne
- Champagne w/ White Flange
- Black w/ White Flange
- Silver w/ White Flange

HOUSING INSTALLATION

- New Construction includes (2) galvanized steel adjustable hanger bars
- Remodel option available
- ⅝" – 2" ceiling thickness
- Min Plenum Height: 2½" Shallow
- Ceiling Material: Drywall, T-bar grid
- Steel junction box with up to (4) ½" knockouts
- AIC, NIC, RIC, SNIC models are Air Tight
- AIC, SNIC models are CCEA compliant. (Note: polycell spray-in foam insulation must be kept 3" from housing)

LISTINGS AND WARRANTY

cULus Listed	ASTM E283 Certified Airtight (AIC, NIC, RIC, SNIC Models)
UL Listed for Damp Location (All Styles)	UL Listed for Wet Location (Wet Location Trim Style)
IC Rated and Non IC Rated Available	CCEA (Chicago Plenum) Approved (AIC, SNIC Models)
Five (5) years limited warranty	CA Title 24-JA8 Compliant (AIC, NIC, RIC, SNIC Models)

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Patent: csllighting.com/patents

ECO 5" LED DOWNLIGHT

EDSAIC, EDSANC, EDSNC, EDSRM
EDSLAIC, EDSLANC, EDSLNIC, EDSLRIC
EDSSNIC

SPEC-00273 NEW ECO, 5", V-8.0, UPDATED 05/19/2023

PROJECT: _____
TYPE: _____
NOTE: _____

ORDER MATRIX

ED5

ECO 5" HOUSING + LIGHT ENGINE ORDER MATRIX (Example: ED5AIC-309050-30S)

HOUSING BASE			LED PERFORMANCE			DRIVER ASSEMBLY	
FAMILY APERTURE	INSTALLATION TYPE		CCT	CRI	OPTIC	WATTAGE	LED DIMMING DRIVER
☐ **ED5** ECO 5"	☐ **AIC**	(Adjustable New Construction, IC, CCEA)	☐ **-27** (2700K)	**90** (90 CRI)	**50** (50° Flood) Installed **10°, 30°, 80°** optics available from the Additional Optics Accessories table below	**-30** (29.5W)	**S** Universal Dimming Driver (1%-100% 0-10V, TRIAC, ELV, 120V/277V)
	☐ **ANC**	(Adj New Construction)	☐ **-30** (3000K)				
	☐ **NC**	(New Construction)	☐ **-35** (3500K)				
	☐ **RM**	(Remodel)	☐ **-40** (4000K)				
☐ **ED5** ECO 5" Warm Dim	☐ **AIC**[1]	(Adjustable New Construction, IC, CCEA)	**-WD**[2] (1800K–3000K) Warm Dim	**98** (98 CRI) Warm Dim	**50** (50° Flood) Installed **10°, 30°, 80°** optics available from the Additional Optics Accessories table below	**-16**[1] (15.3W) NIC or RIC Installation Typecarty **-25**[1,2] (24W) AIC or ANC Installation Typecarty	**S** Universal Dimming Driver (1%-100% 0-10V, TRIAC, ELV, 120V/277V)
	☐ **ANC**[1]	(Adj New Construction)					
	☐ **NIC**[1]	(New Construction IC)					
	☐ **RIC**[1]	(Remodel IC)					

1.. AIC or ANC Installation Type and Wattage Code -25.
NIC or RIC Installation Type and Wattage Code -16.

2. Wattage Code -25 Title 24 JA-8 compliant only with 10° , 30° or 50° optic installed.

ED5L

ECO 5" HOUSING + LIGHT ENGINE ORDER MATRIX (Example: ED5LAIC-309050-16S2)

HOUSING BASE			LED PERFORMANCE			DRIVER ASSEMBLY	
FAMILY APERTURE	INSTALLATION TYPE		CCT	CRI	OPTIC	WATTAGE	LED DIMMING DRIVER
☐ **ED5L** ECO 5" LPD	☐ **AIC**	(Adjustable New Construction, IC, CCEA)	☐ **-27** (2700K)	**90** (90 CRI)	**50** (50° Flood) Installed **10°, 30°, 80°** optics available from the Additional Optics Accessories table below	**-16** (15.3W)	**S2** Phase Control Dimming Driver (1%-100% TRIAC, ELV, 120V/277V)
	☐ **ANC**	(Adj New Construction)	☐ **-30** (3000K)				
	☐ **NIC**	(New Construction IC)	☐ **-35** (3500K)				
	☐ **RIC**	(Remodel IC)	☐ **-40** (4000K)				

ED5S

ECO 5" HOUSING + LIGHT ENGINE ORDER MATRIX (Example: ED5SNIC-309050-25S)

HOUSING BASE			LED PERFORMANCE			DRIVER ASSEMBLY	
FAMILY APERTURE	INSTALLATION TYPE		CCT	CRI	OPTIC	WATTAGE	LED DIMMING DRIVER
☐ **ED5S** ECO 5" Shallow	**NIC**	(Shallow Plenum New Construction, IC, CCEA)	☐ **-27** (2700K)	**90** (90 CRI)	**50** (50° Flood) Installed **10°, 30°, 80°** optics available from the Additional Optics Accessories table below	**-25** (24W)	**S** Universal Dimming Driver (1%-100% 0-10V, TRIAC, ELV, 120V/277V)
			☐ **-30** (3000K)				
			☐ **-35** (3500K)				
			☐ **-40** (4000K)				
☐ **ED5S** ECO 5" Shallow Warm Dim	**NIC**	(Shallow Plenum New Construction, IC, CCEA)	**-WD** (1800K–3000K) Warm Dim	**98** (98 CRI) Warm Dim	**50** (50° Flood) Installed	**-25** (24W)	**S** Universal Dimming Driver

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ANDREW MOHR
FL PE# 73077

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Phone: 813.434.4770
FL Cert. of Auth# 27889

ISSUE	BY	DATE	DESCRIPTION
	K.V	08/26/24	Permit Set

PROJECT INFORMATION BLOCK

JOB #	**230649/15-328.00**
DATE:	**04/28/2024**
DRAWN BY:	**KL**
CHECKED BY:	**AM**

SHEET TITLE

EXTERIOR LIGHTING CUTSHEETS

SHEET NUMBER

E-602

Specification Sheet

lumenfacade
Inground
LOI

WHITE AND STATIC COLORS

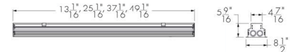
Project Name _____ **Qty** _____

Type _____ **Catalog / Part Number** _____





Top view



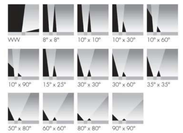
Front and side views

Photometric Summary

	Delivered output (lm)	Intensity (peak cd)
WW	3,634	10,795
8"x8°	4,512	59,238
10"x10°	4,410	33,872
10"x30°	4,586	25,296
10"x60°	3,876	12,062
10"x90°	4,077	6,927
15"x25°	4,346	19,773
30"x30°	4,730	16,886
30"x60°	4,035	5,317
35"x35°	4,612	11,616
50"x80°	4,656	3,904
60"x60°	3,868	3,368
80"x80°	4,548	2,992
90"x90°	4,070	2,132

Based on HO 40K full output, 4ft [1219mm].
DMX/RDM configuration.
2.5° factory-set tilt setting for WW optic, 0° tilt setting for all other optics.
Photometric performance is measured in compliance with IESNA LM79-08.

Optics



Description

The Lumenfacade Inground is an LED luminaire designed for ground-recessed lighting applications, including asymmetric wall washing, grazing, and linear wayfinding. An innovative, plug and play design simplifies installation, protecting the system from water infiltration and ensuring long-lasting performance. Featuring second generation LED technology, the Lumenfacade Inground is available in four different sizes (12 in, 24 in, 36 in or 48 in), with a wide choice of outputs, color temperatures, color-mixing systems, optics and controls. A unique asymmetric wallwash distribution is also available, providing exceptional uniformity and brightness for walls and signage.

Features

Construction	Walk over compliant up to 500 kg in any type of ground. Walk over compliant up to 1000 kg in concrete
Color and Color Temperature	2200K, 2700K, 3000K, 3500K, 4000K, Red, Green, Blue
Length (nominal)	12 in, 24 in, 36 in, 48 in
Optics	Asymmetric wallwash, 8° x 8°, 10° x 10°, 10° x 30°, 10° x 60°, 10° x 90°, 15° x 25°, 30° x 30°, 30° x 60°, 35° x 35°, 50° x 80°, 60° x 60°, 80° x 80°, 90° x 90°
Tilt Setting (factory set)	0 degrees, 2.5 degrees, 5 degrees, 20 degrees
Optical Option	Internal louver
Options	Anti-slip lens. CE (certification covers European Economic Area)
Power Consumption	5 W/ft (meets ASHRAE standards for linear lighting on building facades - not available for 12 in fixture lengths), 8.5 W/ft (RO version), 15.25 W/ft (HO version). Typically 20% higher for 12 in fixture lengths
Warranty	5-year limited warranty

LMPG Inc. reserves the right to make changes to this product at any time without prior notice and such modification shall be effective immediately
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Specification Sheet

lumenfacade
Inground
LOI

WHITE AND STATIC COLORS

Colors and Color Temperatures

2200K 2700K 3000K 3500K 4000K

Red Green Blue

Controls

ON/OFF 0-10V DALI

lumentalk DMXrdm EcoSystem Enabled

Ratings

IP68 IK10

Certifications

Performance

Maximum Delivered Output	4,730 lm (48 in fixture, 4000K, 30° x 30°, 0° tilt setting, DMX/RDM)
Maximum Delivered Intensity	59,238 cd at nadir (48 in fixture, 4000K, 8° x 8°, 0° tilt setting, DMX/RDM)
Illuminance at Distance	Minimum 1 fc at 243 ft (48 in fixture, 4000K, 8° x 8°, 0° tilt setting, DMX/RDM)
Color Consistency	2 SDCM, 3 SDCM (2200K)
Color Rendering	Minimum CRI 80
Lumen Maintenance	L70 280,000 hrs, L95 35,000 hrs

Physical

Optical Chamber Material	Aluminum
Blockout Material	Polymer recycled PVC reinforced with a stainless steel frame
Trim Material	Anodized aluminum
Lens Material	Tempered glass
End Cap Material	Die cast aluminum
Hardware Material	Stainless steel
Weight	12 in: 7.5 lbs, 24 in: 15.3 lbs, 36 in: 21.4 lbs, 48 in: 27 lbs

Electrical and control

Voltage	120 to 277 volts
Fixture Cable	Power and data in one cable
Leader Cable Conductor	5C #16-5
Connectors	IP68 push-lock
Control	On/Off control, Lumentalk, 0-10V dimming, DALI dimming, Lutron® EcoSystem® Enabled dimming, DMX/RDM enabled
Resolution (DMX/RDM)	Per foot or per fixture (contigured with LumenID V3 software), 8-bit or 16-bit

Environmental

Storage Temperature	-40 °F to 185 °F (device must reach start-up temperature value before operating)
Start-up Temperature	-13 °F to 122 °F
Operating Temperature	-40 °F to 122 °F
Ingress Protection Rating	IP68 rated for up to 1 ft, not suitable for permanent immersion applications
Impact Resistance Rating	IK10

Accessories (order separately)

Cables	Lumenfacade Inground Leader Cable, Lumenfacade Inground Jumper Cable
Electrical Accessories	Lumenfacade Inground Junction Box

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SEAL

ANDREW MOHR
FL PE# 73077

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ISSUE	BY	DATE	DESCRIPTION
	K.V	08/26/24	Permit Set

PROJECT INFORMATION BLOCK

JOB #	**230649/15-328.00**
DATE:	**04/28/2024**
DRAWN BY:	**KL**
CHECKED BY:	**AM**

SHEET TITLE

EXTERIOR LIGHTING CUTSHEETS

SHEET NUMBER

E-603