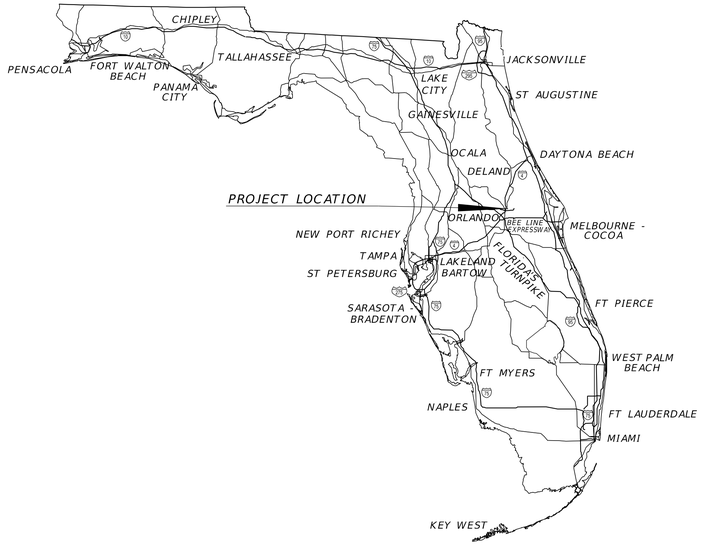
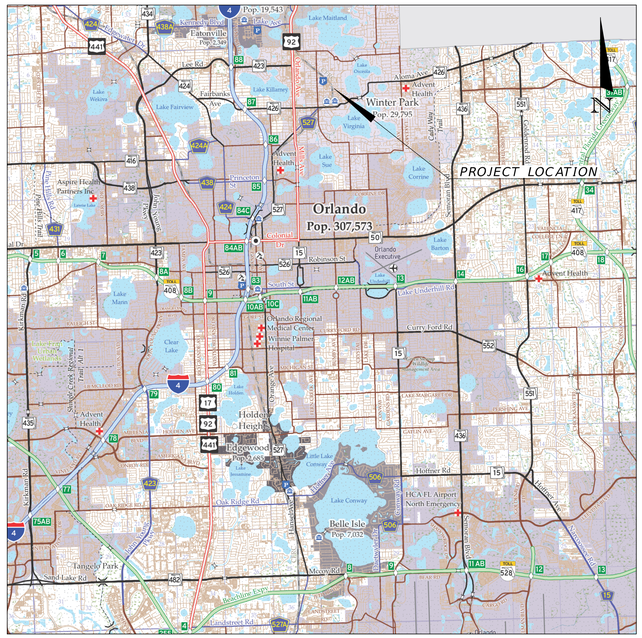
SHEET INDEX	
SHEET NO.	SHEET DESCRIPTION
IT-1	COVER SHEET
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FIBER INTERCONNECT CONSTRUCTION PLANS
FOR
PARK AVENUE REFRESH
WINTER PARK, FLORIDA

2026-10-18
CITY COORDINATION SET





VICINITY MAP

SECTION 06
TOWNSHIP 22 SOUTH
RANGE 30 EAST

GOVERNING STANDARD PLANS:
Florida Department of Transportation, FY2026-27 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

Standard Plans for Road Construction and associated IRs are available at the following website: http://www.fdot.gov/design/standardplans

APPLICABLE IRs: N/A

Standard Plans for Bridge Construction are included in the Structures Plans Component

GOVERNING STANDARD SPECIFICATIONS:
Florida Department of Transportation, FY2026-27 Standard Specifications for Road and Bridge Construction at the following website: http://www.fdot.gov/programmanagement/Implemented/SpecBooks

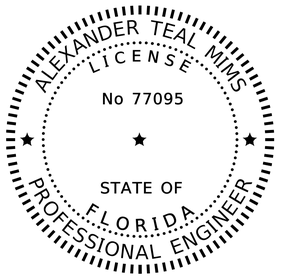
TRIUNE Infrastructure Group
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www.Triuneig.com • (321) 496-1400

FIBER INTERCONNECT ENGINEER:
TRIUNE INFRASTRUCTURE GROUP, LLC
PO BOX 740092
ORANGE CITY, FL 32774
PHONE: 321-496-1400

SHEET NO. IT-1

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ON THE DATE ADJACENT TO THE SEAL

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ORANGE CITY, FLORIDA 32774
ALEXANDER TEAL MIMS, P.E. NO. 77095

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

SHEET INDEX	
SHEET NO.	SHEET DESCRIPTION
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Engineer of Record
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LICENSE NUMBER: 77095
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P.O. BOX 740092
ORANGE CITY, FL 32774

SIGNATURE SHEET
FOR
PARK AVENUE
WINTER PARK

FL

REVISIONS

	DATE	
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SHEET NO.
IT-2

GENERAL

1. UNLESS OTHERWISE INDICATED IN THE CONTRACT DOCUMENTS, MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE FY 2026-27 FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE FY 2026-27 FDOT STANDARD PLANS, INCLUDING, BUT NOT LIMITED TO, SPECIFICATIONS 630, 635, AND 996-5 AND STANDARD PLANS 630-001 AND 635-001.
2. THE FDOT STANDARD SPECIFICATIONS AND STANDARD PLANS ARE INCORPORATED AS TECHNICAL REFERENCES FOR THIS CITY OF WINTER PARK PROJECT. THIS IS NOT AN FDOT PROJECT. REFERENCES IN THE FDOT DOCUMENTS TO THE "DEPARTMENT," "ENGINEER," "MAINTAINING AGENCY," APPROVAL, ACCEPTANCE, OR DIRECTION SHALL MEAN THE CITY OF WINTER PARK OR ITS AUTHORIZED REPRESENTATIVE, AS APPLICABLE. REFERENCES SPECIFICALLY IDENTIFYING THE FDOT APPROVED PRODUCT LIST SHALL CONTINUE TO MEAN THE FDOT APPROVED PRODUCT LIST.
3. THE CONTRACT PLANS, PROJECT-SPECIFIC TECHNICAL SPECIFICATIONS, AND THESE GENERAL NOTES GOVERN OVER CONFLICTING REQUIREMENTS IN THE REFERENCED FDOT DOCUMENTS. SUBMIT DISCREPANCIES TO THE ENGINEER FOR RESOLUTION BEFORE ORDERING MATERIALS OR BEGINNING THE AFFECTED WORK.
4. THE WORK GENERALLY CONSISTS OF INSTALLING EMPTY UNDERGROUND CONDUITS, PULL BOXES, AND FIBER OPTIC SPLICE BOXES FOR FUTURE CITY SIGNAL AND FIBER OPTIC FACILITIES. DO NOT INSTALL CABLES, SPLICES, SPLICE ENCLOSURES, CONTROLLER CABINETS, SIGNAL POLES, OR FOUNDATIONS UNLESS SPECIFICALLY SHOWN IN THE PLANS.
5. VERIFY EXISTING UTILITIES AND FIELD CONDITIONS BEFORE CONSTRUCTION. ADJUSTMENTS TO THE PROPOSED CONDUIT OR BOX LOCATIONS REQUIRE APPROVAL BY THE ENGINEER. DO NOT MAKE FIELD ADJUSTMENTS THAT REDUCE THE REQUIRED CONDUIT DEPTH, BEND RADIUS, UTILITY SEPARATION, PEDESTRIAN CLEARANCE, OR ACCESSIBILITY.

CONDUITS

1. PROVIDE THE NUMBER, SIZE, MATERIAL, AND ROUTING OF CONDUITS SHOWN IN THE PLANS. UNLESS OTHERWISE SHOWN, UNDERGROUND CONDUIT FOR SIGNAL AND FIBER OPTIC APPLICATIONS SHALL BE NOT LESS THAN 2 INCHES IN DIAMETER AND SHALL BE SCHEDULE 40 PVC, SCHEDULE 80 PVC, OR SMOOTH-WALL HDPE WITH AN SDR OF 11 OR LESS, AS PERMITTED BY FDOT SPECIFICATION 630.
2. INSTALL CONDUITS AT THE DEPTHS SHOWN IN FDOT STANDARD PLAN 630-001. UNLESS A GREATER DEPTH IS SHOWN OR REQUIRED DUE TO FIELD CONDITIONS, PROVIDE A MINIMUM INSTALLATION DEPTH OF 2 FEET 6 INCHES WITHIN UTILITY STRIPS AND BENEATH SIDEWALKS AND 3 FEET BENEATH ROADWAYS. MAINTAIN A MINIMUM 1-FOOT VERTICAL CLEARANCE AT CROSSINGS WITH DRAINAGE PIPES AND OTHER UTILITIES. ROUTE THE CONDUIT BELOW THE CONFLICT WHEN THE REQUIRED CLEARANCE CANNOT BE MAINTAINED ABOVE IT.
3. CONSTRUCT CONDUIT RUNS AS STRAIGHT AS PRACTICABLE. DO NOT INSTALL MORE THAN THE EQUIVALENT OF THREE 90-DEGREE BENDS OR 270 DEGREES OF TOTAL BEND BETWEEN ACCESSIBLE PULLING POINTS.
4. USE LONG-RADIUS SWEEPS SUITABLE FOR FUTURE CABLE INSTALLATION. CONFIGURE CONDUITS INTENDED FOR FIBER OPTIC CABLE SO THAT FUTURE CABLE CAN BE INSTALLED AND STORED WITHOUT VIOLATING THE CABLE MANUFACTURER'S BEND-RADIUS REQUIREMENTS. THE CONDUIT SYSTEM SHALL ACCOMMODATE A MINIMUM FUTURE CABLE BEND RADIUS OF 20 TIMES THE CABLE DIAMETER.
5. MAKE ALL CONDUIT JOINTS WATERTIGHT USING THE CONDUIT MANUFACTURER'S APPROVED MATERIALS AND METHODS. CLEAN, PRIME, AND SOLVENT-WELD PVC JOINTS. JOIN HDPE CONDUIT USING APPROVED WATERTIGHT COUPLINGS OR FUSION METHODS COMPATIBLE WITH THE CONDUIT.
6. PROVIDE A SMOOTH END BELL, BUSHING, OR ADAPTER AT EACH CONDUIT TERMINATION TO PROTECT FUTURE CABLES FROM ABRASION. ARRANGE CONDUIT ENTRIES SO THAT THE COVER, LOCKING HARDWARE, CABLE RACKS, AND FUTURE CABLE STORAGE ARE NOT OBSTRUCTED.
7. PROVIDE A NO. 12 AWG PULL WIRE OR POLYPROPYLENE PULL CORD THROUGH THE FULL LENGTH OF EACH CONDUIT. LEAVE A MINIMUM OF 24 INCHES OF ACCESSIBLE PULL WIRE OR CORD AT EACH END. SECURE EACH PULL CORD SEPARATELY AND LABEL IT WITH THE DESTINATION BOX OR CONDUIT RUN IDENTIFICATION.
8. AFTER CLEANING AND TESTING, SEAL EACH END OF EVERY EMPTY CONDUIT WITH A REMOVABLE, WATERTIGHT, REUSABLE DUCT PLUG MANUFACTURED FOR THE CONDUIT SIZE AND APPLICATION. FOAM, RAGS, TAPE, AND OTHER TEMPORARY MATERIALS ARE NOT ACCEPTABLE. INSTALL THE PLUG SO THAT IT CAN BE REMOVED WITHOUT DAMAGING THE CONDUIT OR PULL CORD.
9. PROVIDE BURIED UTILITY WARNING TAPE ABOVE EACH TRENCHED CONDUIT BANK IN ACCORDANCE WITH FDOT SPECIFICATION 630. PROVIDE ORANGE TAPE WITH THE APPLICABLE REPEATING MESSAGE:

   "CAUTION: CITY OF WINTER PARK SIGNAL CONDUIT BURIED BELOW"

   OR:

   "CAUTION: CITY OF WINTER PARK FIBER OPTIC CONDUIT BURIED BELOW"
10. PROVIDE A CONTINUOUS LOCATE WIRE WITH EACH SEPARATE NONMETALLIC SIGNAL OR FIBER OPTIC CONDUIT BANK. LOCATE WIRE SHALL BE A MINIMUM NO. 12 AWG SOLID COPPER CONDUCTOR WITH A MINIMUM 45-MIL ORANGE POLYETHYLENE SHEATH. INSTALL LOCATE WIRE OUTSIDE THE CONDUIT AND NO MORE THAN 3 INCHES ABOVE THE CONDUIT FOR TRENCHED INSTALLATIONS.
11. ROUTE LOCATE WIRE THROUGH EACH ASSOCIATED PULL OR SPLICE BOX AND PROVIDE A MINIMUM OF 10 FEET OF NEATLY COILED SLACK IN EACH BOX. PROVIDE WATERPROOF, DIRECT-BURIAL-RATED CONNECTIONS. INSTALL LOCATE WIRE GROUNDING UNITS AND GROUND RODS IN NEW FIBER SPLICE BOXES AND IN PULL OR SPLICE BOXES AT LOCATE WIRE TERMINI.
12. DO NOT INSTALL SIGNAL OR POWER CONDUCTORS IN FIBER OPTIC PULL OR SPLICE BOXES. PROVIDE SEPARATE BOXES AND CONDUIT SYSTEMS FOR SIGNAL AND FIBER OPTIC APPLICATIONS, EXCEPT WHERE A SPECIFIC SHARED INSTALLATION IS SHOWN AND APPROVED.
13. RESTORE SIDEWALKS, CURB, PAVEMENT, LANDSCAPING, AND OTHER DISTURBED AREAS TO A CONDITION EQUAL TO OR BETTER THAN THE PRECONSTRUCTION CONDITION. WHERE CONDUIT CONSTRUCTION DAMAGES AN EXISTING SIDEWALK SLAB, REPLACE THE ENTIRE SIDEWALK PANEL; PARTIAL-PANEL PATCHING IS NOT ACCEPTABLE.

PULL AND SPLICE BOXES

1. PROVIDE PULL AND SPLICE BOX ASSEMBLIES LISTED ON THE CURRENT FDOT APPROVED PRODUCT LIST FOR THE SPECIFIED APPLICATION, SIZE, AND LOAD RATING. EACH BOX BODY, COVER, AND LOCKING ASSEMBLY SHALL BE A COMPATIBLE, LOAD-TESTED SYSTEM. DO NOT MIX BOX BODIES AND COVERS FROM DIFFERENT SYSTEMS UNLESS THE COMBINATION IS CERTIFIED BY THE MANUFACTURER AND APPROVED BY THE ENGINEER.
2. PROVIDE THE FOLLOWING MINIMUM BOX SIZES UNLESS A LARGER BOX IS SHOWN IN THE PLANS:

   A. SIGNAL PULL BOX:
      13 INCHES WIDE BY 24 INCHES LONG BY 12 INCHES DEEP.
      PROVIDE A MINIMUM INSIDE OPENING AREA OF 240 SQUARE INCHES,
      WITH NO INSIDE DIMENSION LESS THAN 12 INCHES.

   B. FIBER OPTIC PULL BOX:
      24 INCHES WIDE BY 36 INCHES LONG BY 24 INCHES DEEP.

   C. FIBER OPTIC SPLICE BOX:
      36-INCH MINIMUM COVER DIAMETER BY 36 INCHES DEEP MINIMUM.
3. PULL AND SPLICE BOXES SHALL HAVE A MINIMUM ANSI/SCTE 77 TIER 15 LOAD RATING. BOXES SHALL NOT BE INSTALLED IN AREAS SUBJECT TO DELIBERATE OR ROUTINE VEHICULAR TRAFFIC. A HIGHER LOAD RATING DOES NOT AUTHORIZE INSTALLATION IN A ROADWAY, DRIVEWAY, OR PARKING AREA WITHOUT SPECIFIC APPROVAL.
4. PROVIDE OPEN-BOTTOM BOXES FREE OF CRACKS, VOIDS, SHARP EDGES, BROKEN EDGES, AND OTHER DEFECTS. PROVIDE COVERS WITH LIFTING SLOTS, A FLUSH-SEATING LOCKDOWN MECHANISM, AND PENTA-HEAD OR OTHER CITY-APPROVED SECURITY FASTENERS. LOCKDOWN HARDWARE AND LIFTING HARDWARE SHALL BE PASSIVATED STAINLESS STEEL OR BRASS AND SHALL BE REPLACEABLE WITHOUT REPLACING THE BOX.
5. PROVIDE THE FOLLOWING APPLICATION LEGENDS, PERMANENTLY CAST OR ENGRAVED INTO THE TOP SURFACE OF EACH COVER:

   A. SIGNAL PULL BOXES:
      "WINTER PARK SIGNAL"

   B. FIBER OPTIC PULL BOXES AND FIBER OPTIC SPLICE BOXES:
      "WINTER PARK FIBER OPTIC CABLE"

   THE LEGEND MAY BE ARRANGED ON MULTIPLE LINES BUT USE THE WORDING AND SPELLING SHOWN ABOVE. A SEPARATE IDENTIFICATION PLATE MAY ONLY BE USED WITH PRIOR WRITTEN APPROVAL FROM THE CITY.
6. IN ADDITION TO THE WINTER PARK APPLICATION LEGEND, PROVIDE THE MANUFACTURER'S NAME OR LOGO, APPLICABLE FDOT APL NUMBER, AND TIER RATING ON THE COVER. PROVIDE THE DATE OF MANUFACTURE ON THE TOP OR BOTTOM OF THE COVER. PERMANENTLY MARK THE INTERIOR OF THE BOX BODY WITH THE MANUFACTURER, MODEL OR PART NUMBER, AND DATE OF MANUFACTURE IN A LOCATION VISIBLE AFTER INSTALLATION.
8. LOCATE BOXES AS SHOWN IN THE PLANS. DO NOT INSTALL BOXES IN ROADWAYS, DRIVEWAYS, PARKING AREAS, DITCHES, SIDEWALK CURB RAMPS, DETECTABLE-WARNING SURFACES, LOW-LYING AREAS, OR LOCATIONS SUBJECT TO PONDING. LOCATE LARGE FIBER OPTIC SPLICE BOXES OUTSIDE THE PRIMARY PEDESTRIAN THROUGH ROUTE WHERE PRACTICABLE.
9. SET EACH COVER FLUSH WITH THE ADJACENT SIDEWALK OR CONCRETE APRON. DO NOT CREATE VERTICAL DISCONTINUITIES, ROCKING COVERS, OPEN JOINTS, OR TRIP HAZARDS. WITHIN A PEDESTRIAN ACCESS ROUTE, MAINTAIN THE REQUIRED CLEAR WIDTH AND A MAXIMUM 2.0 PERCENT CROSS SLOPE.
10. INSTALL EACH BOX ON A MINIMUM 12-INCH BED OF CLEAN PEAROCK OR CRUSHED STONE FOR DRAINAGE IN ACCORDANCE WITH FDOT STANDARD PLAN 635-001. PROVIDE A LEVEL, STABLE, AND COMPACTED SUPPORTING FOUNDATION. DO NOT USE THE BOX AS A COLLECTION POINT FOR SITE DRAINAGE.
11. WHERE A BOX IS NOT ENTIRELY SURROUNDED BY SIDEWALK, PROVIDE A CONCRETE APRON AT LEAST 1 FOOT WIDE ON ALL SIDES AND AT LEAST 6 INCHES DEEP USING FDOT CLASS NS CONCRETE. SLOPE THE APRON AWAY FROM THE BOX WITHOUT CREATING A PEDESTRIAN ACCESSIBILITY VIOLATION.
12. WHERE A BOX IS INSTALLED WITHIN A SIDEWALK, THE SURROUNDING SIDEWALK SHALL FUNCTION AS THE REQUIRED APRON. THICKEN THE SIDEWALK TO A MINIMUM OF 6 INCHES FOR AT LEAST 1 FOOT AROUND THE BOX. MATCH THE ADJACENT SIDEWALK FINISH, JOINT PATTERN, GRADE, AND CROSS SLOPE.
13. WHEN MULTIPLE BOXES ARE INSTALLED ADJACENT TO ONE ANOTHER, PROVIDE A MINIMUM CLEAR SEPARATION OF 8 INCHES BETWEEN BOXES. PROVIDE SUFFICIENT ADDITIONAL SEPARATION FOR CONCRETE PLACEMENT, CONDUIT ENTRIES, COVER REMOVAL, AND FUTURE MAINTENANCE.
14. PROVIDE FIBER OPTIC SPLICE BOXES WITH CORROSION-RESISTANT CABLE HANGER RACKS DESIGNED TO SUPPORT FUTURE CABLE COILS AND SPLICE ENCLOSURES. ARRANGE THE RACKS AND CONDUIT ENTRIES SO THAT THE BOX CAN ACCOMMODATE AT LEAST 200 FEET OF FUTURE STORED FIBER OPTIC CABLE WITHOUT VIOLATING THE FUTURE CABLE BEND RADIUS.

FUTURE SIGNAL FACILITY COORDINATION

1. THE FUTURE MAST ARM, SIGNAL POLE, AND TRAFFIC SIGNAL CONTROLLER CABINET LOCATIONS SHOWN IN THE PLANS ARE PRELIMINARY AND ARE PROVIDED SOLELY TO ESTABLISH THE PLANNED CONDUIT ROUTING, SYSTEM CONNECTIVITY, AND TERMINAL BOX LOCATIONS. THE DEPICTED LOCATIONS DO NOT CONSTITUTE FINAL FOUNDATION OR EQUIPMENT LAYOUTS.
2. LOCATE PULL BOXES AND CONDUIT RUNS TO AVOID THE ANTICIPATED FOOTPRINTS OF FUTURE MAST ARM FOUNDATIONS, AND CABINET FOUNDATIONS.
3. UNLESS A CONDUIT STUB LOCATION IS SPECIFICALLY DIMENSIONED, END THE CURRENT WORK AT THE DESIGNATED PULL BOX. DO NOT EXTEND AN UNLOCATABLE OR UNDIMENSIONED CONDUIT STUB INTO A PRELIMINARY FOUNDATION AREA.
4. ORIENT THE FINAL CONDUIT SEGMENT AND BOX ENTRY TOWARD THE PRELIMINARY FUTURE FACILITY SO THE FUTURE CONNECTION CAN BE COMPLETED WITHOUT REVERSE BENDS, RECONSTRUCTION OF THE BOX, OR REMOVAL OF AN UNDISTURBED SIDEWALK PANEL.
5. PROVIDE SEPARATE SIGNAL AND FIBER OPTIC BOXES ADJACENT TO THE PRELIMINARY CONTROLLER CABINET LOCATION. POSITION THE BOXES TO SUPPORT FUTURE CONNECTIONS TO THE CABINET WHILE REMAINING OUTSIDE THE PRELIMINARY CABINET FOUNDATION.
6. BEFORE INSTALLING A BOX OR CONDUIT WITHIN 15 FEET OF A PRELIMINARY MAST ARM OR CONTROLLER CABINET LOCATION, VERIFY THE LAYOUT IN THE FIELD WITH THE ENGINEER. DOCUMENT APPROVED LOCATION ADJUSTMENTS IN THE RECORD DRAWINGS.

TESTING, SUBMITTALS, AND RECORD DOCUMENTATION

1. SUBMIT BOX, COVER, CONDUIT, DUCT PLUG, LOCATE WIRE, WARNING TAPE, PULL CORD, CABLE RACK, AND LOCKING-HARDWARE PRODUCT DATA BEFORE PROCUREMENT. BOX SUBMITTALS SHALL SHOW THE CUSTOM WINTER PARK COVER LEGEND, DIMENSIONS, MATERIAL, TIER RATING, APL NUMBER, AND LOCKING SYSTEM.
2. AFTER INSTALLATION AND BEFORE ACCEPTANCE, CLEAN AND PROOF EACH CONDUIT BY PASSING A FLEXIBLE MANDREL AND CLEANING SWAB THROUGH THE COMPLETE RUN. SIZE THE MANDREL IN ACCORDANCE WITH THE CONDUIT MANUFACTURER'S RECOMMENDATIONS AND AT NOT LESS THAN 90 PERCENT OF THE CONDUIT'S INTERNAL DIAMETER. REPAIR OR REPLACE CONDUITS THAT CANNOT BE SUCCESSFULLY PROOFED.
3. TEST EACH LOCATE WIRE FOR END-TO-END CONTINUITY AND INSULATION RESISTANCE. REPAIR DEFECTIVE LOCATE WIRES AND RETEST THEM BEFORE ACCEPTANCE. SUBMIT SIGNED CONDUIT-PROOFING AND LOCATE-WIRE TEST RESULTS IDENTIFIED BY THE BOX AND CONDUIT RUN NUMBERS SHOWN IN THE RECORD DRAWINGS.
4. PROVIDE RECORD DRAWINGS SHOWING THE SURVEYED HORIZONTAL LOCATION OF EACH BOX; BOX TYPE AND SIZE; COVER LEGEND; CONDUIT NUMBER, SIZE, MATERIAL, AND ROUTE; INSTALLED DEPTH; BORE LIMITS; LOCATE-WIRE SPLICES AND TERMINATION POINTS; AND APPROVED FIELD ADJUSTMENTS. PROVIDE PHOTOGRAPHS OF EACH OPEN BOX SHOWING THE CONDUIT ENTRIES, LABELS, PULL CORDS, LOCATE WIRE, AND DUCT PLUGS BEFORE FINAL ACCEPTANCE.
5. PROTECT COMPLETED CONDUITS AND BOXES THROUGHOUT CONSTRUCTION. REMOVE CONSTRUCTION DEBRIS, SOIL, WATER, AND FOREIGN MATERIAL FROM EACH BOX BEFORE ACCEPTANCE. REPLACE DAMAGED BOXES, COVERS, APRONS, HARDWARE, CONDUITS, PULL CORDS, OR LOCATE WIRES AT NO ADDITIONAL COST.
6. THE COST OF CUSTOM COVER LEGENDS, EXCAVATION, BEDDING, CONCRETE APRONS, SIDEWALK REPAIR, LOCKING HARDWARE, CONDUIT FITTINGS, END BELLS, DUCT PLUGS, PULL CORDS, WARNING TAPE, LOCATE WIRE, LABELING, TESTING, RESTORATION, AND RECORD DOCUMENTATION SHALL BE INCLUDED IN THE ASSOCIATED CONDUIT, PULL BOX, OR SPLICE BOX PAY ITEM.
7. PROVIDE A MINIMUM ONE-YEAR MANUFACTURER'S WARRANTY FOR EACH PULL AND SPLICE BOX ASSEMBLY BEGINNING ON THE DATE OF FINAL ACCEPTANCE BY THE CITY.

LEGEND:

- SIGNALIZATION PULL BOX (13" X 24") (PROPOSED)
- FIBER PULL BOX (24" X 36") (PROPOSED)
- FIBER SPLICE BOX (36" X 60" OR 036") (PROPOSED)
- CONDUIT – DIRECTIONAL BORE (PROPOSED)
- CONDUIT – OPEN TRENCH (PROPOSED)
- R/W LINE
- FUTURE PEDESTRIAN SIGNAL HEAD
- FUTURE PEDESTRIAN PUSH BUTTON DETECTOR
- FUTURE ALUMINUM PEDESTRIAN SIGNAL PEDESTAL
- FUTURE MAST ARM

CONDUIT COLOR TABLES:

FIBER OPTIC CONDUIT:

#	COLOR	FUNCTION
1	ORANGE	FIBER
2	ORANGE	FIBER
3	ORANGE	FIBER
4	ORANGE	FIBER

SIGNAL CONDUIT:

#	COLOR	FUNCTION
1	GREY	SIGNAL
2	GREY	DETECTION
3	GREY	SPARE

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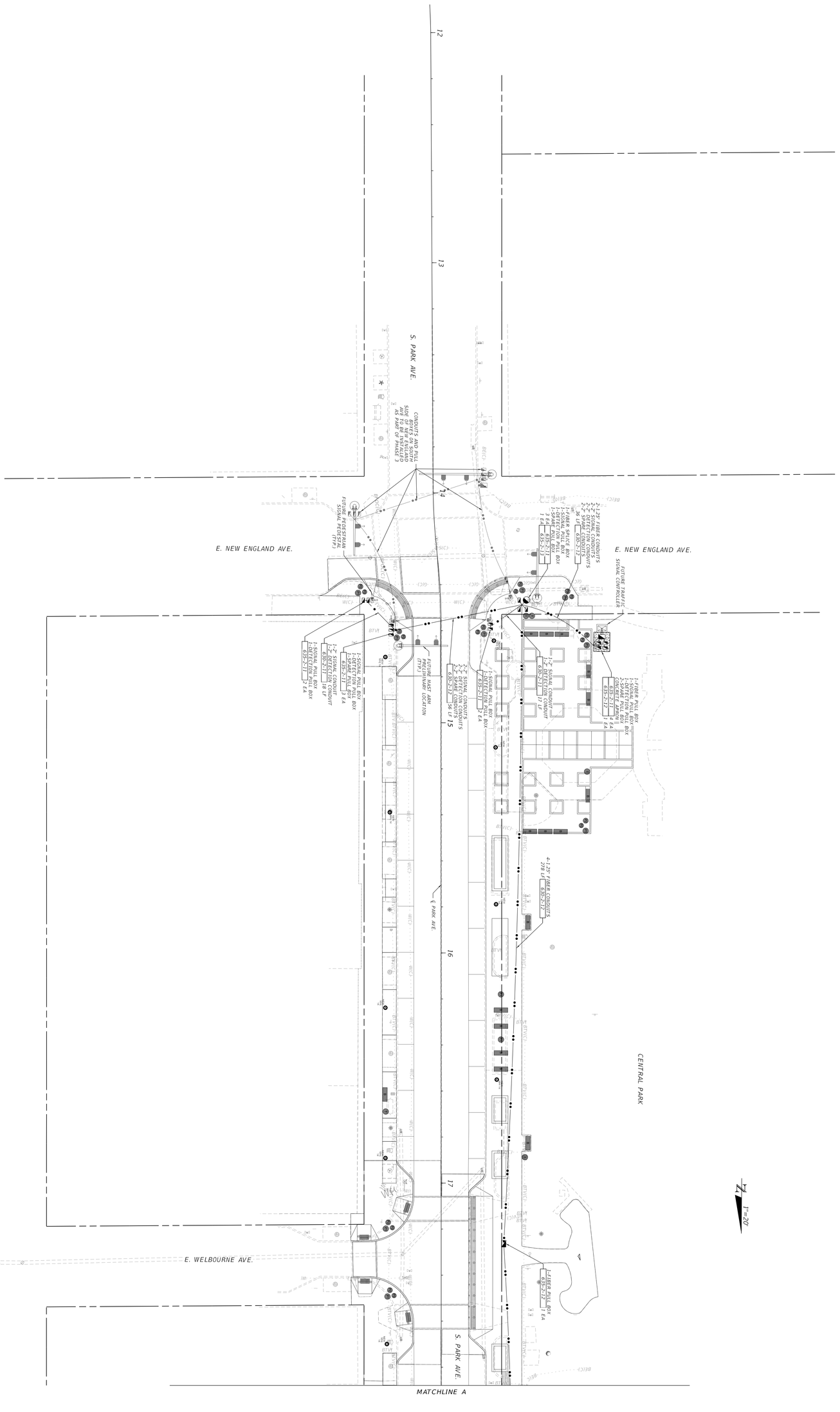
GENERAL NOTES
FOR
PARK AVENUE REFRESH
WINTER PARK FL

REVISIONS

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FIBER INTERCONNECT PLAN
FOR
PARK AVENUE REFRESH

WINTER PARK FL

Engineer of Record

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1"=20'

CENTRAL PARK

CENTRAL PARK

E. MORSE BLVD.

E. MORSE BLVD.

MATCHLINE A

MATCHLINE B

S. PARK AVE.

S. PARK AVE.

℄ PARK AVE.

18 19 20 21 22 23

4-1.25" FIBER CONDUITS 317 LF 630-2-12

1-FIBER PULL BOX
1-SIGNAL PULL BOX
1-DETECTION PULL BOX
1-SPARE PULL BOX
CONCRETE APRON
3 EA 635-2-11
1 EA 635-2-12

EXISTING TRAFFIC SIGNAL CONTROLLER (TO REMAIN)

2-1.25" FIBER CONDUITS
2-2" SIGNAL CONDUITS
2-2" DETECTION CONDUITS
2-2" SPARE CONDUITS
28 LF 630-2-12

1-2" SIGNAL CONDUIT
1-2" DETECTION CONDUIT
32 LF 630-2-12

1-SIGNAL PULL BOX
1-DETECTION PULL BOX
635-2-11 2 EA

2-2" SIGNAL CONDUITS
2-2" DETECTION CONDUITS
2-2" SPARE CONDUITS
630-2-12 84 LF

1-SIGNAL PULL BOX
1-DETECTION PULL BOX
1-SPARE PULL BOX
635-2-11 3 EA

1-2" SIGNAL CONDUIT
1-2" DETECTION CONDUIT
630-2-11 24 LF

1-SIGNAL PULL BOX
1-DETECTION PULL BOX
635-2-11 2 EA

4-1.25" FIBER CONDUITS
359 LF 630-2-12

1-FIBER SPLICE BOX
1-SIGNAL PULL BOX
1-DETECTION PULL BOX
1-SPARE PULL BOX
3 EA 635-2-11
1 EA 635-2-13

2-2" SIGNAL CONDUITS
2-2" DETECTION CONDUITS
2-2" SPARE CONDUITS
630-2-12 64 LF

2-2" SIGNAL CONDUITS
2-2" DETECTION CONDUITS
2-2" SPARE CONDUITS
630-2-12 67 LF

FUTURE PEDESTRIAN SIGNAL PEDESTAL (TYP.)

2-2" SIGNAL CONDUITS
2-2" DETECTION CONDUITS
2-2" SPARE CONDUITS
630-2-12 73 LF

FUTURE MAST ARM PRELIMINARY LOCATION (TYP.)

1-SIGNAL PULL BOX
1-DETECTION PULL BOX
1-SPARE PULL BOX
635-2-11 3 EA

1-2" SIGNAL CONDUIT
1-2" DETECTION CONDUIT
630-2-11 20 LF

1-SIGNAL PULL BOX
1-DETECTION PULL BOX
635-2-11 2 EA

1-SIGNAL PULL BOX
1-DETECTION PULL BOX
1 EA 635-2-11

1-2" SIGNAL CONDUIT
1-2" DETECTION CONDUIT
18 LF 630-2-11

1-SIGNAL PULL BOX
1-DETECTION PULL BOX
1-SPARE PULL BOX
3 EA 635-2-11

FUTURE PEDESTRIAN — SIGNAL PEDESTAL (TYP.)

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LICENSE NUMBER: 77095
TRIUNE INFRASTRUCTURE GROUP, LLC
P. O. BOX 740092
ORANGE CITY, FL 32774

FIBER INTERCONNECT PLAN
FOR
PARK AVENUE REFRESH

WINTER PARK FL

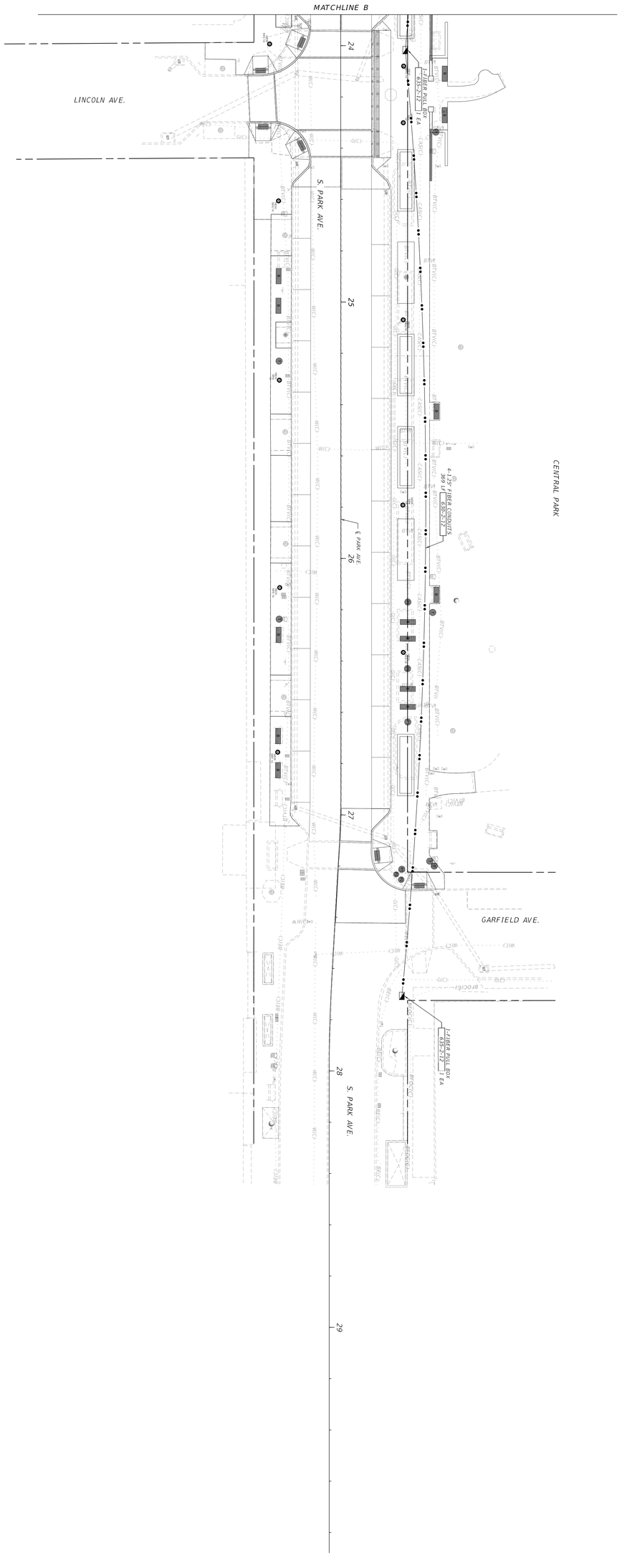
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SHEET NO. 9-11

FIBER INTERCONNECT PLAN
FOR
PARK AVENUE REFRESH

WINTER PARK FL

Engineer of Record

ALEXANDER TEAL MIMS, P.E.
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