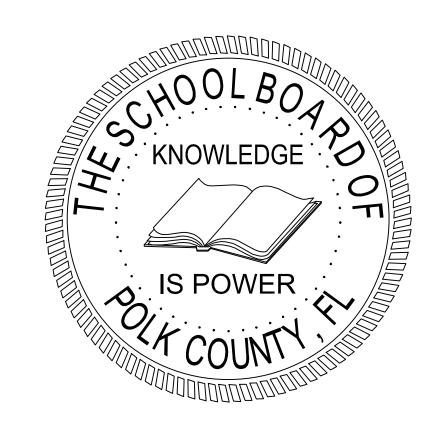
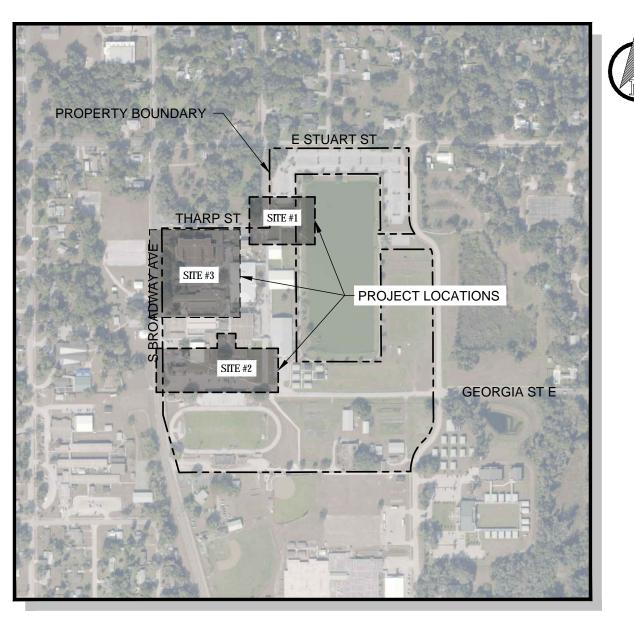
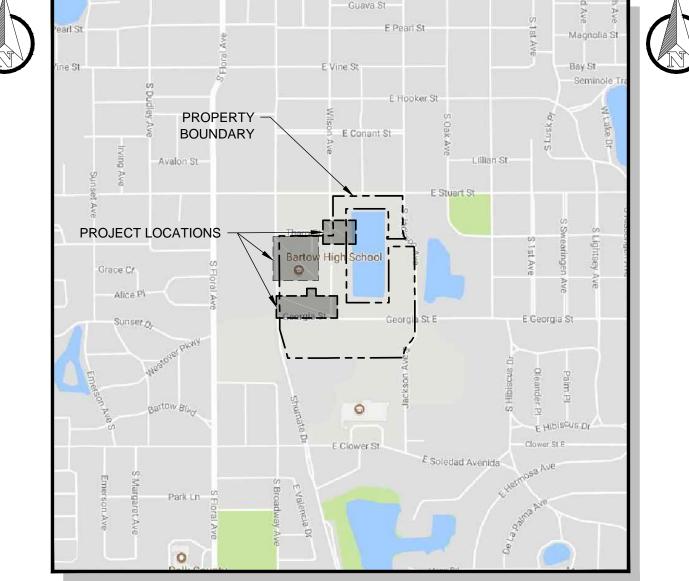
CONSTRUCTION DRAWINGS FOR

BARTOW HIGH SCHOOL BUILDING ADDITIONS



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C800	CIVIL GENERAL DETAILS
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	SURVEY (BY OTHERS)





AERIAL MAP

VICINITY MAP

LEGAL DESCRIPTION

(BY SURVEYOR)

THE WESTERLY AND NORTHERLY LINES OF THE FOLLOWING DESCRIBED PARCEL;

(PROVIDED BY PREVIOUS EDWARDS-PANTER SURVEY, SEE SURVEYOR'S NOTE #15)

THAT PART OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 AND THAT PART OF THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 AND THAT PORT OF THE SOUTHEAST 1/4 OF THE SOUTHWEST 1/4 ALL BEING IN SECTION 8, TOWNSHIP 30 SOUTH, RANGE 25 EAST, POLK COUNTY, FLORIDA, AND MORE FULLY DESCRIBED AS FOLLOWS: ASSUMING THE SOUTH LINE OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 8, TOWNSHIP 30 SOUTH, RANGE 25 EAST TO HAVE A BEARING OF DUE EAST AND WEST BEGIN AT THE SOUTHEAST CORNER OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SAID SECTION 8, RUN THENCE WEST ALONG THE SOUTH LINE THEREOF A DISTANCE OF 780.89 FEET TO THE WEST RIGHT- OF-WAY LINE OF GEORGIA STREET AND THE POINT OF BEGINNING FOR THIS DESCRIPTION; RUN THENCE S-00°08'43"-E ALONG SAID WESTERLY RIGHT-OF-WAY LINE A DISTANCE OF 40.0 FEET TO THE SOUTH RIGHT-OF-WAY LINE OF GEORGIA STREET, RUN THENCE EAST AND PARALLEL WITH THE SOUTH LINE OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SAID SECTION 8, ALONG SAID SOUTH RIGHT-OF-WAY LINE A DISTANCE OF 1017.99 FEET, RUN THENCE S-00°14'33"-W A DISTANCE OF 358.95 FEET, RUN THENCE WEST AND PARALLEL WITH THE NORTH LINE OF THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SAID SECTION 8 A DISTANCE OF 1470.17 FEET, RUN THENCE N-15°34'00"-W A DISTANCE OF 306.15 FEET, RUN THENCE N-00°08'43"-W A DISTANCE OF 1053.52 FEET, RUN THENCE N-89°58'37"-E A DISTANCE OF 410.00 FEET, RUN THENCE S-00°08'43"-E AND PARALLEL WITH THE EAST RIGHT-OF-WAY LINE OF WILLSON AVENUE A DISTANCE OF 77.0 FEET TO THE SOUTH RIGHT-OF-WAY LINE OF THARP STREET, RUN THENCE EAST ALONG SAID RIGHT-OF-WAY LINE A DISTANCE OF 153.0 FEET TO THE INTERSECTION WITH THE EAST RIGHT-OF-WAY LINE OF WILSON AVENUE, RUN THENCE N-00°08'43"-W ALONG SAID EAST RIGHT-OF-WAY LINE A DISTANCE OF 414.11 FEET TO THE INTERSECTION WITH THE SOUTH RIGHT-OF-WAY LINE OF STUART STREET, RUN THENCE S-89°58'04"- E AND PARALLEL WITH THE NORTH LINE OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SAID SECTION 8, ALONG SAID SOUTH RIGHT-OF-WAY LINE A DISTANCE OF 710.16 FEET TO THE WEST RIGHT-OF-WAY LINE OF JACKSON AVENUE, RUN THENCE S-00°10'40"-E AND PARALLEL WITH THE EAST LINE OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SAID SECTION 8 ALONG SAID RIGHT-OF-WAY LINE A DISTANCE OF 1121.31 FEET TO THE BEGINNING OF A CURVE TO THE RIGHT, RUN THENCE SOUTHWESTERLY ALONG SAID CURVE HAVING A RADIUS OF 125.0 FEET THROUGH A CENTRAL ANGLE OF 90°10'40" AND ARC DISTANCE OF 196.74 FEET TO THE END OF SAID CURVE AND BEING ON THE NORTH RIGHT-OF-WAY LINE OF GEORGIA STREET, RUN THENCE WEST AND PARALLEL WITH THE SOUTH LINE OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SAID SECTION 8, ALONG SAID RIGHT-OF-WAY LINE A DISTANCE OF 615.47 FEET TO A POINT LYING N-00°08'43"-W AND A DISTANCE OF 40.0 FEET FROM THE POINT OF BEGINNING, RUN THENCE S-00°08'43"-E A DISTANCE OF 40.0 FEET TO THE POINT OF BEGINNING LESS AND EXCEPT THAT PARCEL OF LAND DESCRIBED AS PARCEL "A".

PROVIDE SUBMITTALS TO

RODNEY A. GADD, PE GADD CASE & ASSOCIATES, LLC 1925 US HIGHWAY 98 S, SUITE 201 LAKELAND, FL 33801

PHONE: (863) 940-9979 EMAIL: RODNEY@GADD-CASE.COM

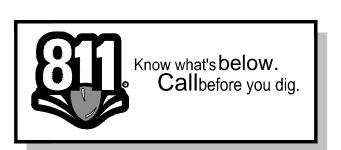
OWNER

SENIOR COORDINATOR, CONSTRUCTION SERVICES SCHOOL BOARD OF POLK COUNTY 1915 SOUTH FLORAL AVENUE P.O. BOX 391 BARTOW, FL 33831

PHONE: (863) 519-8987 EMAIL: RODNEY.TURNER@POLK-FL.NET

CLIENT

BENJAMIN F. MUNDY, A.I.A KIRK CURTIS MUNDY HUNNICUT 1036 SOUTH FLORIDA AVE. LAKELAND, FL 33803 PHONE: (863) 688-8882 EMAIL: BMUNDY@KCMHARCH.COM





compensation will be provided.

readily accessible to Engineer, Owner, and applicable agencies. 3. The Contractor shall be responsible for gaining complete familiarity of the project and specifications. These drawings are intended to propose the final construction. Means and methods of construction including but not limited to limitations of access, subsurface conditions, and sequence of activities shall be determined by Contractor

4. The Contractor shall ensure they have all permitted drawings in advance of submitting final bids for the work proposed. No additional funds will be made available to Contractor due to bidding inaccuracies of preliminary drawings.

5. All work directly proposed or indirectly required in these drawings shall be included by the Contractor. No additional monies will be made available to Contractor due to an error by the Contractor during bidding or by work not directly specified but required by the proposed construction. This work shall be considered incidental to the contract and no addition

Quantities depicted in these drawings are for permitting purposes only. The Contractor shall be responsible for determining their own bid quantities.

7. The Contractor shall provide a qualified superintendent to be present onsite at all times. The superintendent's contact information must be provided to Owner/Engineer in advance of construction

8. Material and workmanship shall conform to Florida Department of Transportation's Specifications (latest edition) along with all applicable municipal agencies and Owner specifications. Should a discrepancy occur, the most restrictive shall apply. 9. At least (3) days prior to construction, the Contractor shall notify the Engineer and all applicable agencies with anticipated start date, schedule, contact information, and other information as required. The Contractor is responsible scheduling any

10. Field changes or deviations shall require approval by Contractor from Engineer.

necessary pre-application meetings and inspections.

11. The Contractor shall submit "shop drawings" of all pre-cast products to Engineer for cursory review prior to manufacturing. Contractor shall be responsible for all costs incurred from failure to submit shop drawings.

12. The locations and sizes of all existing utilities are approximate and depicted to the Engineer's best knowledge. Additional utilities may exist which are not depicted on the plans or their locations may be different than as depicted. The Contractor shall be responsible for the location of existing utilities utilizing electronic methods and hand excavation in coordination with all utility companies prior to commencing work. Any conflicts with the existing features shall be coordinated with Owner/Engineer prior to beginning construction.

13. It shall be the responsibility of Contractor to protect existing utilities and infrastructure at all times during construction, including providing direct support and shoring as necessary. Contractor must coordinate any such work directly with utility company. If the utility company requires that only their employees may perform such work, then the Contractor shall coordinate the work and submit any payments directly to Utility. All existing valves, hydrants, meters, services, manhole rims, inlet tops or other appurtenances affected by the proposed construction shall be adjusted as required. This work is to be included within the base bid.

14. The Contractor shall coordinate installation of any under-ground conduits/piping required for services, power, telephone, cable, irrigation, security, etc. prior to beginning sub-grade work. 15. The Contractor shall be responsible for coordinating and/or paying for relocation of existing utilities with the applicable utility

16. All clearing, grubbing, and disposal of material to an offsite location is the responsibility of the Contractor. None of this material may be left onsite without the written approval of Owner and or Engineer. Burning of material may be allowed only if the Contractor receives any required burn permits and receives written approval from Owner. The Contractor will assume all responsibility and liability associated with burning of material.

17. It is the Engineer's sole discretion as to whether electronic files of the drawings will be made available to the Contractor for bidding or construction. The Contractor shall not presume the files will be made available and bid accordingly. In the event the drawings are provided digitally to the Contractor, they are not to be considered covered under the Engineer's certification. The Contractor assumes all liability as a result of the digital files.

GENERAL CONSTRUCTION REQUIREMENTS

1. The Contractor is responsible for obtaining any permits required for work within public right-of-way.

2. The Contractor is responsible for all survey layout and required testing by applicable agencies 3. Any existing features impact or damaged by the proposed construction including: swales/ditches, inlets, culverts, manholes, sidewalks, driveways, pavement, mailboxes, sod, landscaping, irrigation, etc. must be restored by Contractor to the full extent disturbed. Replacement materials must match existing condition or better. No disturbed areas are to be left

4. Concrete and asphalt pavement must be saw cut to provide clean edge. Concrete shall be removed to the first existing joint.

5. All underground utilities must be installed, inspected, tested and accepted in advance of base & pavement construction. 6. Dewatering may be required for excavation of stormwater facilities and installation of utilities. Dewatering includes the use of shallow well points or sump pumps. Water must be pumped to onsite sedimentation basins surrounded completely by a double row of silt fence. If the basin cannot contain all dewatering and dispose of through infiltration/percolation, the Contractor shall ensure any discharge meets state water quality requirements.

7. All gravity storm pipes are to receive a mitered end treatment in accordance with FDOT specifications unless otherwise

8. The Contractor is responsible for establishing and maintaining all installed vegetation until the project is complete and accepted by Owner/Engineer. 9. The Contractor is responsible for providing construction water throughout the project and paying any associated fees.

10. Upon completion of construction, the stormwater systems shall be cleaned of all silts, debris, limerock, etc.

WATER / RECLAIM CONSTRUCTION & SPECIFICATIONS

policy. The Engineer must be notified at least 2 days in advance.

1. All watermain construction shall be installed, inspected, and tested in accordance with these plans and the minimum construction standards of the local and state guidelines. Should a discrepancy arise, the most restrictive shall apply.

3. All watermains must be constructed with a minimum of 3 feet of cover. Pressure testing with less cover is not permitted

4. Water mains shall be mechanically restrained at elbows, fittings, tees, and dead ends in to the minimum lengths as detailed in these Plans. All connections and taps shall be a minimum of 24 inches from a fitting or bell

Water mains are to be flushed and bacteriologically disinfected in accordance with local Health Department standard specifications. The Contractor is responsible for all water used for flushing and disinfection of system, and shall dispose of chlorinated water per local, state, and federal guidelines. Bacteriological samples must be approved by Health Department and are only valid for 60 days.

6. A Water System Property Values shall be submitted to Engineer by Contractor for review and approval.

<u>Ductile Iron Pipe:</u> Except as otherwise stated, all pipe with an inside diameter greater than or equal to 20-in. shall be made of ductile iron. Ductile iron pipe for underground water mains shall be manufactured in accordance with AWWA C-151. Pipe shall be designed for thickness in accordance with AWWA C-150. Ductile Iron pipe shall comply with ANSI Standard A21.10, with a 150 psi minimum pressure rating (200 psi for firelines). Ductile Iron pipe installation shall conform to laving condition Type 2 (B) with a flat bottom trench and backfill lightly compacted to the centerline of the pipe. Minimum trench width shall be the diameter of the pipe plus 2 ft. for all pipe sizes 4-inch and larger. Laying lengths for ductile iron pipe shall be 18 ft. - 20 ft., and shall conform to all applicable AWWA and ANSI specifications. Pressure Class shall be Class 350 for pipe sizes 4 through 20-inch and Class 250 for pipe sizes 24 through 36-inches. The pipe manufacturer shall determine additional wall thickness required where depth of cover exceeds the minimum requirements. Where ductile iron is threaded for a flange, the thickness shall be increased accordingly. In all cases the flanged pipe thickness shall not be less than Thickness Class 53. Ductile iron pipe and fittings shall receive an exterior bituminous coating as specified in ANSI specifications A21.4, A21.50, or A21.51 and shall be cement mortar lined and bituminous sealed in accordance with ANSI standard A21.4. Joints for ductile iron shall be mechanical or push-on type designed in accordance with AWWA C-111. Gasket lubricant for push-on joints shall be labeled with trade name and the pipe manufacturer's name. Per F.A.C. 62-555, all ductile iron pipe shall have a blue stripe applied by the manufacturer, or Contractor shall spray paint a blue strip on all joints of pipe.

8. <u>Ductile Iron Fittings:</u> Fittings for ductile iron pipe shall be manufactured of ductile iron or gray cast iron, and shall conform to the standards of AWWA C-110 or AWWA C-153 (compact fittings). Fittings shall be designed so as to be compatible with the pipe and so as to provide at least equal resistance to internal and external load on the pipe. Fitting joints shall be mechanical type for underground service. The joints, bolts, and nuts shall conform to AWWA C-111. All fittings shall be rated for not less than 150 psi working pressure (200 psi for firelines).

9. PVC Pipe and Fittings: Except as otherwise stated, PVC Water distribution pipe size 4" through 12" shall meet the requirements of AWWA C-900. Pipe shall match cast iron Outside Diameters and shall be class 150 or greater (200 for firelines), and meet or exceed the requirements of DR 18 for sizes 4" through 12". All fittings 4" and larger shall be made of cast iron or ductile iron, mechanical joint and shall conform to AWWA C-110 or AWWA C-153. Water distribution pipe sizes 16" and 18" shall meet the requirements of AWWA C-905. All fittings shall be made of cast iron or ductile iron, mechanical joint and shall conform to AWWA C-110 or AWWA C-153. Maximum laying length for all PVC water pipe shall be 20 feet. Pipe size 2" and below shall conform to ASTM D-2241 for standard dimension ratio for SDR 21 and Class 200. Schedule 40 with glued joints is acceptable under 2" size. Pipe shall be manufactured from clean, virgin, unplasticized polyvinyl resin, cell classification 12454-A or 12454-B as defined as ASTM D-1784. All pipes shall bear the National Sanitation Foundation seal for potable water pipe. All PVC water pipe shall be blue in color or bear an acceptable indelible blue marking in three locations for the continuous length of each pipe joint. The required spacing for these markings is to be 120 degrees apart. All pipe shall bear the trade name, pipe manufacturer's name, and AWWA standard number. 10. Polyethylene water service tubing shall be copper tubing size (CTS), SDR 9, and rated for 200 psi in accordance with ASTM

D2737 and AWWA C901. Couplings and fitting are to be grip-joint.

11. Gate Valves: Gate valves 4" and larger shall be in accordance with AWWA C-509 with (0 type stem seal and 2" square-operating nut for burying service). Valves shall be mechanical joint and open left (counter clockwise). The operating nut shall have an arrow cast in the nut indicating direction of opening. Gate valves shall be of resilient seat wedge and when fully open shall have a clean waterway equal to the normal diameter of the pipe. Each valve shall have the manufacturer's distinctive marking, pressure rating, and year of manufacture cast on the body. Prior to shipment from the factory, each valve shall be tested by applying it to hydraulic pressure equal to twice the specified working pressure. Gate valves 2" and under shall conform with federal specification WW-V-54 type 2 solid wedge disc, rising stem, secure joints, and of bronze construction. Valves shall have a malleable iron hand wheel.

12. Valve Boxes: Valve boxes shall be cast iron of standard design with adjustable drop section to fit or cover over valve. Interior diameter shall be not less than 5" with cast iron cover marked "water". Valve box extensions shall be of class 50 ductile iron pipe or C900 PVC and shall be installed on any valve five- (5) ft. or more below finished grade. Valve box lids shall be of cast iron. A 2 ft-square by 4" thick concrete slab shall be neatly poured around all valve box lids not installed in a paved area. After complete construction, valve boxes shall be in a vertical position above the valve and provide clear access and free operation with a valve key.

13. Fire Hydrants: Hydrants shall be in accordance with AWWA Standard C-502-85 and the following requirements: A. Dry arrel compression type, "O" ring seal at operating nut stem and means for lubrication, Traffic model with breakable safety clips, or flange and stem with safety coupling located below barrel break line to preclude valve opening, Open left (counter clockwise), Two 2-1/2" hose nozzles and one 4-1/2" pump nozzle with National Standard threads, Main valve openings shall be not less than 5-1/4", Paint shall be one coat primer and two coats finish per local municipal fire jurisdiction, Pipe outlet shall be 6" mechanical joint, Operating nut shall be pentagonal measuring 1-1/2" point to flat, All hydrant leads shall be valved and the hydrant installed with a minimum of 18" hose nozzle to ground clearance, All hydrants shall be installed plumb and in true alignment with the connection pipe to the water main, Gravel or crushed stone shall be used for the drain sump and shall be carefully placed and compacted.

WASTEWATER CONSTRUCTION & SPECIFICATIONS

All wastewater construction shall be installed, inspected, and tested in accordance with these plans and the minimum construction standards of the local and state guidelines. Should a discrepancy arise, the most restrictive shall apply.

2. All taps and connections must be coordinated by Contractor with the Utility provider in advance in accordance with their policy. The Engineer must be notified at least 2 days in advance.

3. All wastewater mains must be constructed with a minimum of 3 feet of cover. Pressure testing with less cover is not

4. Pressurized wastewater mains shall be mechanically restrained at elbows, fittings, tees, and dead ends in to the minimum lengths as detailed in these Plans. All connections and taps shall be a minimum of 24 inches from a fitting or bell.

5. A Wastewater System Property Values shall be submitted to Engineer by Contractor for review and approval.

6. <u>Ductile Iron Pipe/Fittings</u>: Thickness class for ductile iron pipe for underground service shall be minimum class 50. Wall thickness requirements where depth of cover exceeds the minimum requirements may be different. Laying lengths for mechanical joint or push joint ductile iron pipe shall be 18 or 20 feet, as specified, and shall conform to all applicable ANSI/AWWA specifications. Joints for ductile iron pipe used for underground service shall be mechanical or push-on type design in accordance with AWWA C111. Mechanical or push joint pipe shall be labeled with trade name and the pipe manufacturer's name. Joints for ductile iron fittings used for underground service shall be mechanical joint or push joint type design, as specified. Thickness class for ductile iron pipe for aboveground service shall be minimum class 53.

PVC Pipe/Fittings (Pressurized): PVC pressure pipe sizes 4 inches through 12 inches for sanitary sewer force mains installed underground shall meet the requirements of AWWA C900, and shall be class 100 or greater and meet or exceed the requirements of DR25. PVC pressure pipe sizes larger than 12 inches shall meet the requirements of AWWA C905, and shall be class 150 or greater and meet or exceed the requirements of DR18. PVC pressure pipe C900 and C905 shall be of ductile iron OD. Maximum laying length for all PVC pressure pipe shall be 20 feet. Color of PVC pressure pipe provided shall be as specified, consistent with the following: (Sewer - Green, Reclaimed Water - Purple). Joints for PVC pressure pipe 4 inches and larger in diameter shall be integral bell and spigot, with a single gasket, compression ring type. The bell shall consist of an integral wall section with a solid cross section elastomeric ring, factory installed, meeting the requirements of

8. PVC Pipe/Fitting (Gravity): PVC gravity pipe and fittings, sizes 4 inches through 15 inches, for sanitary sewer gravity mains shall meet the requirements of ASTM D3034. PVC gravity pipe and fittings, sizes larger than 15 inches, shall meet the requirements of ASTM F679 T-1. PVC gravity pipe and fittings shall meet or exceed the requirements of SDR26 PVC. PVC gravity pipe intended for depth of burial having 10 feet or more of cover shall meet the ASTM D3034 specifications inclusive of having the outside diameter of standard SDR26 PVC pipe, but shall have the wall thickness rating of SDR26. Maximum laying lengths for all PVC gravity pipe sizes shall be as follows: (4 inches through 15 inches -- 13 feet, 18 inches - 12.5 feet, Larger than 18 inches - 12 feet). PVC gravity pipe shall be green in color. Joints for PVC gravity pipe 4 inches and larger in diameter shall be integral bell and spigot, with a single rubber gasket. The bell shall consist of an integral wall section with a solid cross section elastomeric ring, factory installed, and shall conform to ASTM F477 and meet the requirements of ASTM D3212. PVC fittings shall be made of PVC plastic having a cell classification of 12454-B, or 12454-C, or 13343-C as defined in ASTM D1784, joined with a rubber gasket joint.

Manholes: Manholes shall consist of pre-cast manholes and shall conform to specifications for ASTM C 478 "Pre-cast Reinforced Concrete Manhole Sections", except as otherwise specified below. The minimum wall thickness shall be five inches. Pre-cast manholes shall be constructed with a pre-cast monolithic base structure (minimum base thickness shall be eight inches). Concrete for manholes shall be Type II, 4000 psi at 28 days. Barrel, top and base sections shall have tongue and groove joints. All jointing material shall be a cold adhesive preformed plastic gasket, conforming to ASTM C 443 "Manhole Section Connections". Manholes shall be leak-free. Sections shall be cured by an approved method as per ASTM C 478 for at least 28 days prior to coating and shall not be shipped until at least two days after having been coated. Pre-cast concrete top slabs shall be used where cover over the top of the pipe is less than four feet. Lift rings or non-penetrating lift holes shall be provided for handling pre-cast manhole sections. With the exception of master manholes or manholes that have force mains directly discharging into them, the interior surfaces of all manholes shall have a protective bituminous epoxy coating formulated to resist corrosion from a wastewater environment. The interior surfaces of master manholes or manholes that have force mains directly discharging into them shall have a protective cementitious or polymer based coating or lining. All exterior surfaces of all manholes shall have a protective bituminous epoxy coating capable of sealing out

UTILITY PIPE INSTALLATION AND HANDLING

Additional fittings, appurtenances, and construction may be required other than those specified in detail within these Plans to construct the utilities as proposed. These additional items are assumed incidental to the construction and are to be included within the Contractor's base bid.

Installation of water, reclaim, and force mains shall be in accordance with the applicable provisions of ANSI/AWWA C900 for PVC pipe, and ANSI/AWWA C600 for ductile iron pipe.

Pipe, fittings, and accessories shall be carefully inspected before and after installation and those found defective shall be rejected. Pipe and fittings shall be free of fins and burrs. Proper equipment shall be provided for lowering sections of pipe into trenches. Under no circumstances should pipe of fittings be dropped or dumped into trenches or stockpiles.

All pipe shall be laid in trenches having a dry and uniform bottom supporting the pipe for its entire length. Backfill shall be free of debris and large boulders with no sharp or rocky material. Pipe shall be laid on line and at proposed grade. All foreign material shall be cleaned from pipe prior to installation. Pressure pipe(s), 4 inches or larger are to be flushed after

installation using an approved polyurethane pig. 6. All water and force mains are to be installed with an insulated number (#) 12 gauge UF (Underground Feeder per National Electric Code Article 339) solid strand tracer wire (color coded for the type of pipe used) and joint seal shall be installed along all pipe (using nylon wire ties) and services and must be taped below the spring line of the pipe and stubbed up at hydrants and valves. At each valve, the wire shall be installed along the outside of the valve box to the adjustable top piece. Sections of wire shall be spliced together using connectors. Twisting the wire together is not acceptable. For directional bores, two number (#) 4 gauge UF tracer wires shall be used. The tracer wire must provide full signal conductivity (including splices), for line locating equipment.

A 3 inch wide plastic or aluminum foil warning/identification tape shall be installed no deeper than 12 inches below grade, directly above pipe.

Pipe may be deflected as required as long as the deflection does not exceed 75% of manufacturer's recommended maximum deflection. Fittings shall be substituted for deflections once this threshold is exceeded.

9. Pipe Restraints: The installation of new bends, tees, fittings, or dead-ends will require the pipe to be restrained using retainer glands or tie-rod restraints to the minimum length as specified in the plans. This length specified may require restraints to be installed the specified length on existing pipe where new fittings are added.

10. Compaction: When a pipe or structure is placed under or within six feet of an improved or paved surface, fill or undisturbed soil from the bottom of the pipe trench to one foot above the pipe and then to the finished grade elevation shall be compacted to a minimum density of 100 percent of the maximum dry density as determined by AASHTO T-99. For areas not within six feet of an improved or paved surface, a minimum density of 95 percent of the maximum dry density based on AASHTO T-180 shall be obtained. Compaction tests shall be required for each 300 feet of pipe and for every 100 square feet of backfill around structures at a minimum. Additional tests may be required based on field conditions. The locations of compaction rests shall be in conformance with the following schedule (Note additional testing may be required by governing municipality at Contractor's cost):

a. One test at spring line of pipe.

b. At least one test for each 12 inch layer of backfill within the pipe bedding zone for pipes 24 inches and larger.

c. One test at an elevation of one foot above the pipe.

d. One test for each two feet of backfill placed from one foot above top of pipe to finished grade. e. Tests should be staggered around each manhole and lift station's wet well and valve vault within three feet of each

structure's outside perimeter in accordance with the following schedule i. One test under center of lift station wet well base (minimum density of 100 percent maximum dry density as determined

by AASHTO T-99).

ii. Second test shall be one foot above structure base iii. Next test shall be two feet above the first

iv. Subsequent tests every two feet up to finished grade

f. Additional compaction testing may be required prior to commencing further construction if reports and inspection indicate that the fill has been placed below specified density.

. Cleaning and Testing (Pressure Pipe): All water, sewer, and reclaim shall be cleaned (flushed and poly pigged), disinfected, and pressure tested in accordance with appropriate AWWA, local municipality, and State of Florida Health Department Standards and successfully demonstrate that installed features meet the appropriate requirements. An Owner, Engineer Municipal, and Contractor representative shall be present unless authorization is given in writing otherwise. All test shall be at the Contractor's cost. Sufficient documentation of clearances shall be provided in a neatly organized package by Contractor to Engineer for final clearances. The system may not be made "active" until all clearances are received and approval has been granted by local municipality, FDEP, Health Department, Owner, and Engineer. Partial clearances may be allowed with prior approval.

12. Cleaning and Testing (Gravity Pipe): All sewer gravity pipe shall be cleaned and tested in accordance with appropriate AWWA, local municipality, and State of Florida Health Department Standards and successfully demonstrate that installed features meet the appropriate requirements. These tests may include, but not limited to, a combination of low pressure air tests and closed circuit television CCTV inspection. An Owner, Engineer, Municipal, and Contractor representative shall be present unless authorization is given in writing otherwise. All test shall be at the Contractor's cost. Sufficient documentation of clearances shall be provided in a neatly organized package by Contractor to Engineer for final clearances. The system may not be made "active" until all clearances are received and approval has been granted by local municipality, FDEP, Owner, and Engineer. Partial clearances may be allowed with prior approval.

STORM INSTALLATION AND HANDLING

narrative for each pipe run.

1. All pipe shall be carefully laid, true to the lines and grades as shown on the plans and "in the dry." 2. Concrete pipe: Concrete pipe shall be of first quality, conforming to ASTM C-76-70 (Class III unless otherwise stated) for round pipe and ASTM C-507 (Class HE-III unless otherwise stated) for elliptical pipe and meet the requirements as set forth in FDOT Specifications (941-1.3). Joints for all round pipe shall be sealed by the use of round rubber gaskets and shall conform to the applicable provisions of ASTM C-361 and be of sufficient volume to fill the pipe join in which it is used. Joints for elliptical pipe must use gaskets in accordance with SSFR & BC Section 942.2. Filter fabric material shall extend a minimum of 12 inches on both sides of the joint and shall overlap a minimum of two feet at the top of the joint.

Alternate pipe: Alternate pipe material specified in the plans must meet applicable specifications within FDOT Standard Specification (Drainage Materials 942-949). Filter fabric material shall extend a minimum of 12 inches on both sides of the joint and shall overlap a minimum of two feet at the top of the joint.

Backfilling: Backfilling shall progress as rapidly as the construction and testing of the work will permit. All backfill material shall be suitable and free of deleterious material. The initial backfill shall be carefully deposited on both sides of the pipe at the same time and uniformly compacted around the barrel of the pipe until enough has been placed to provide a cover of one foot above the crown of the pipe. In no case shall backfill material be placed in the trench in a manner that will cause shock to or unequal pressure on the pipe. The backfill shall be placed and compacted to 100 percent of maximum density as determined by AASHTO T-99 to the bottom of the stabilized subgrade and 98 percent of T-180 for the stabilized subgrade and base under and within six feet of the traveled way and under other existing hard surfaced or previously compacted areas. In all areas except for those stated, compaction must equal a firmness approximately equal to that of the soil adjacent, or as directed by Engineer.

Inlets & Manholes: Inlets or manholes shall consist of concrete and shall be in accordance with FDOT Standard Specifications. The inlet and outlet pipes shall be flush with the inside face of the wall. The joints of pipe and inlet/manhole shall be carefully cleaned and completely filled with non-shrink mortar applied and cured in accordance with the manufacturer's recommendations. An asphaltic mastic material shall be applied 12 inches in width from the joint around the exterior of the pipe and on the exterior wall of the inlet/manhole. A continuous 24 inch width of filter fabric shall be wrapped around each pipe-inlet/manhole joint and shall have an overlap of two feet on the top of the pipe-inlet/manhole joint. The filter fabric shall be thoroughly bonded to the asphaltic mastic material. A flow channel shall be formed in the invert of all inlets, manholes and junction boxes and shall extend to the spring line of the pipe. All grate shall be secured to inlet via chain or other approved method.

6. Storm Pipe Testing: Tests shall be performed in accordance with the following (Note additional testing may be required by governing municipality at Contractor's cost):

a. Compaction tests shall be in accordance with Section 125-8 of the FDOT Standard Specifications for Road and Bridge Construction, latest edition. The Engineer may determine that more compaction tests are required to certify the installation depending on field conditions. The locations of compaction tests within the trench shall be in conformance

i. One test at 6" intervals from the bottom of the pipe to an elevation one foot above the crown of the pipe (Contractor may use 12" lifts if densities can be obtained in 12" lifts).

ii. One test for each one foot of backfill placed one foot above the crown of the pipe to subgrade elevation. iii. Cross drain culverts shall have a minimum of two density tests per lift

b. All pipe runs shall be video recorded by a remote camera in the presence of the Engineer and local municipal representative/inspector. The video shall be provided to the Engineer and local municipality in DVD format with a

EARTHWORK 1. Structural Fill: All new fill within the project which may be used for support of structures, signs, utilities, pavements, walks, walls, etc. is defined as structural fill. Structural fill is to be comprised of clean soil, and/or aggregate, free of organics,

ABBREVIATIONS

deleterious materials, ice, and waste of any kind, and be observed and documented by a reputable soil engineer. Compact

structural fill outside building areas in uniform lifts not exceeding 12 inches loose thickness, to at least 95% of standard

proctor maximum dry density (ASTM D698). All fill slopes to remain shall be placed and compacted beyond the final lines

and grades, then cut back to ensure proper compaction at the finished slope face. All existing slopes steeper than 5H:1V

shall be "benched" at least 8 feet into the slope face. To ensure new fills are placed and compacted in generally uniform,

horizontal lifts, eliminating weakened planes within the new fills. The top lift shall be compacted to 98% standard proctor

report and structural plans and specifications. Should a discrepancy arise between these and local municipal codes or

specifications, the most restrictive shall apply.

PAVEMENT & SIDEWALK CONSTRUCTION

material conforming to FDOT Standard Specifications

by a Professional Engineer (with the exception of Superpave Mixes).

constructed in accordance with that jurisdiction's requirement.

detergent, pressure cleaning, or any other suitable method.

with locally approved non-oil based sterilant prior to application of crack filler.

or mechanical blowing, making sure that the pavement is completely dried prior to application.

bar/wand, or combination of these to provide a surface free of lumps and other inconsistencies.

Traffic and parking stripings/markings shall only be applied once the sealcoat has thoroughly dried.

The Contractor is responsible for keeping a safe work site for the traveling public and personnel at all times

3. All trench excavation shall be in accordance with the "Trench Safety Act" as incorporated into OSHA standards.

2. Labor safety shall conform to provisions set forth by OSHA in the Federal Registry of the Department of Transportation.

of Uniform Traffic Control Devices (MUTCD) and Florida Department of Transportation (FDOT) latest editions.

1. The Contractor is responsible for providing the Engineer "Record Drawings" as soon as possible once construction is

complete. The drawings must include information of all newly constructed features (and existing features when located

2. All "Record Drawings" must be neat and legible. This may require the Contractor to submit separate drawing sheets to

. A minimum of 6 "Record Drawing" sets of plans, signed and sealed by a Registered Surveyor in the state of Florida, along

4. The "Record Drawing" survey information shall be drafted onto the latest drawing obtained from the Engineer. A single digital

CAD file must be provided with all Record information of each component (water, sewer, storm, etc.). Multiple drawing files

text styles, line widths, scales, layers, and sheet layouts must be preserved. If profile or enlarged views are included, they

The Engineer reserves the right to request additional information on the Record Drawings without responsibility for the cost.

a. Horizontal location of mains and appurtenances including, but not limited to: valves, bends taps, hydrants, casings, air

release valves, backflow preventers & restrain lengths. Vertical elevations at 50' min. intervals along mains. Detail

b. Horizontal location of mains and appurtenances including, but not limited to: valves, bends, taps, casings, air release

gravity mains and services. Detail elevations at crossing where sewer crosses storm or water.

valves, manholes, clean-outs & restrain lengths. Vertical elevations of manhole rims, manhole inverts, and clean-out

inverts. Pump station elevations of top of slab, influent inverts, float switches, and bottom elevation. Slope of installed

c. Elevations and locations on all paved surfaces with a 50' min interval or at each grade break. Additional typical spot

d. All invert elevations, the rim/top of drainage structures, and flow line of pipes. Control structure elevations and details

e. Stormwater pond top and bottom dimensions (width and length). Ditch/swale bottom and top dimensions and flow

7. "Testing Reports" shall be provided to the engineer within two (2) days of the test. These reports can be submitted either by

printed copies or by electronic copies via email. Upon completion of the project, all reports shall be combined neatly into a

single, signed and sealed report. 3 copies of this report shall be submitted to the engineer with the "Record Drawing"

4. All disturbed areas must be stabilized within 7 days of disturbance if not captured by stormwater ponds.

7. Install permanent sodding (pin as required in sloped areas) or other permanent stabilization features.

floor elevation of all above ground structures. Detailed elevations of curb ramps and handicap ramp features.

elevations throughout the site, and at all grade breaks, to depict general conformance with Engineer's drawings. Finished

(grates, weirs, orifices, notches, skimmers, and effluent drains). Note one permanent benchmark shall be placed at each

of the same component (water, sewer, storm, etc.) will not be accepted by Engineer unless previously approved. All drawing

include "Record Drawing" information of water, sewer, storm, etc. as required for legibility.

All costs associated with "Record Drawings" are the responsibility of the Contractor.

with a CD of CAD files are to be submitted to Engineer. The Owner may require additional copies.

within project area). For horizontal locations, utility features are to be located by at least two measurements from different

angles of permanent reference points. The drawings must be oriented in State Plane coordinates and measurements are to

4. The Contractor shall adopt and implement maintenance of traffic for all work with right-of-way in accordance with the Manual

minimum, as required for asphalt (above).

forecasted rain or freezing temperatures.

coat shall consist of 0.08-0.10 gal.sq-yd.

RECORD DRAWING AND TESTING REPORTS

be limited by distances less than 100' where possible.

must be updated with "Record Drawing" information.

6. "Record Drawings" information shall include/but not limited to:

elevations at crossing where water crosses storm or sewer.

outfall structure and documented on the "Record Drawing."

information. Additional copies of this report may be required.

Demolition of existing buildings, sidewalks and pavement.

5. Install storm sewer conveyance system, utilities, and structures.

8. Remove temporary silt barriers after all disturbed areas are stabilized.

Complete grading and construct entrances and pavement.

SEQUENCE OF CONSTRUCTION ACTIVITIES

1. Install silt barriers as proposed on Plans.

3. Rough grade site and install building footers

f. Invert elevations and slopes of storm pipe and mitered end sections

maximum dry density (ASTM D698). Compact structural fill within building areas in accordance with Geotechnical Engineer

Utility Backfill: All underground utilities should be backfilled with the trench spoil, unless the spoils do not meet the structural

ill requirements above. In which case, a suitable structural fill shall be imported and the unsuitable spoils disposed off site.

Subgrade: The original subgrade and each successive lift of structural fill including the final lift shall be stable under the load

f a loaded bi-axial dump truck. Stable is defined as a firm, unyielding surface, and allowing no yielding, rutting, fanning,

pumping, or otherwise deflecting in excess of 0.5 inches. In addition, the final subgrade shall meet the following parameters:

4. At all times, the direct input or runoff of fine materials including, but not limited to crushed concrete, clay, and limerock are

prohibited from entering the pond area via berms, silt fence, or other methods. If noticed during construction, Contractor will

Stabilized Subgrade: All pavement subgrade, where applicable, shall be stabilized to the required depth and required Florida

bearing value, six inches outside the edge of base on each side of the pavement, and shoulders shall be stabilized per Plan

to a Florida bearing value of as specified. Where existing soils to be used in the road subgrade have the required bearing

value, no additional stabilizing material need be added. Mixing shall be done to insure uniformity whether or not additional

material is added. The stabilizing material, if required, shall be high bearing value soil, clay-sand, limerock, shell or other

Base Course: The materials permitted as base course for flexible pavement are indicated in Plans and shall meet the

requirements of the local municipality and be an approved FDOT mix. Mixes must be prepared by a certified materials

testing laboratory, or by a Construction Training Qualification Program (CTQP) certified Asphalt Mix Designer. In either case

all asphalt mix designs must be submitted to the Engineer and local municipality for approval and shall be signed and sealed

Concrete Surface Course and Curbs: All concrete pavement shall have a minimum compressive strength of 3000 psi (unless

specified otherwise) at 28 days in accordance with American Concrete Institute (ACI) 318, Sections 4.8.2.3 and 4.8.3. The

mixture shall contain no more water than is necessary to produce concrete which is workable and plastic. The minimum

shumn necessary to place the concrete satisfactorily shall be used. Shumns should be maintained so as not to exceed four

and one-half inches for nonvibrated placement and not to exceed 5 inches for vibrated placement. The design mix shall be

accordance with FDOT Standard Specifications. All equipment used in the placement of concrete pavements shall conform

to Section 350-3 of the FDOT Standard Specifications. Preparation, construction, curing, and jointing shall be in accordance

referenced Sections) of the FDOT Standard Specifications. Finishing is to include striking-off concrete by means of a wood

surface, when cured, shall have a uniform broom finish. Ensure that the surface variations are not more than 1/4 inch under

radius of 1/2 inch. Excess fibers shall be rubbed smooth. Where concrete sidewalk lies within public Right-of-Way, it shall be

local municipal requirements for work within Right of Way and within the site at Contractor's expense. Testing for drive aisles

within the site shall be every 300 linear feet (minimum one test per area). Parking areas shall be tested at intervals of 500

required by Engineer. Additional testing will be be required if initial testing fails. Final signed and sealed test packages shall

Testing for concrete areas including but not limited to: density, slump, and cylinder breaks shall be in accordance with local

The Contractor shall inspect asphalt prior to application of sealcoat. Remove surface oils by washing with an applicable

2. Cracks in excess of $\frac{1}{4}$ inch must be sealed prior to application of the sealcoat. Cracks must be cleaned of all weeds and

debris prior to crack sealing with crack filler. The crack filler shall be applied per manufacturer's recommendations and must

be dry to the touch prior to application of the sealcoat. Cracks that contain weed and/or other vegetation must be treated

. Immediately prior to applying sealer, clean the surface of all dust, dirt, leaves, water, or other foreign materials by sweeping

Asphalt sealcoat shall not be applied when the ambient temperature is less than 55 degrees F or within 24 hours prior to

Application of asphalt sealcoat shall be applied in 2 applications. The first coat shall consist of 0.10-0.12 gal/sq-yd. Second

Application of the asphalt sealcoat shall be by mechanical means using rubber faced squeegees, brooms, distributor

6. Contractor shall coordinate with Owner to prevent traffic or irrigation from the surface for a minimum of 24 hours after

municipal requirements for work within Right of Way. Testing for areas within the site shall be as required by Owner or at a

square vards. Per these requirements, t est location shall be determined by an impartial Geotechnical Engineer or as

be presented to Engineer and Owner at the terminus of project in a neat and orderly fashion.

or metal screed, used perpendicular to the forms, to obtain required grade and remove surplus water and laitance. The

a 10 foot straight edge or 1/8 inch on a 5 foot straight edge. Finish the edge of the sidewalk with an edging tool having a

Testing for asphalt areas including but not limited to: limerock bearing ratio, density, and cores shall be in accordance with

Concrete Sidewalk; All concrete sidewalk shall be in be constructed in accordance with Section 522 (and applicable

submitted to the Engineer for approval prior to paying. All plants providing concrete must be certified by FDOT and be in

. Asphalt Surface Course: Type-S or Friction Course (FC) as specified in Plans. Asphalt mix designs must meet the

a. Building and exterior slabs: Geotechnical report requirements, structural plans and specifications.

b. Flexible and rigid pavements: Plans and specifications requirements, local municipal requirements.

be required to over excavate pond to remove and replace with clean material at their own expense.

requirements of FDOT Standard Specifications for Road and Bridge Construction, latest edition.

THE FOLLOWING LIST CONTAINS ABBREVIATIONS USED IN THIS SET OF DRAWINGS. NOTE THAT NOT ALL ABBREVIATIONS SHOWN HERE MIGHT APPEAR WITHIN THIS SET

OF PLANS = MAXIMUM = ASPHALT CONCRETE MECH = MECHANICAL = ABOVE FINISHED FLOOR = MITERED END SECTION MES = MATCH EXISTING GRADE = ALUMINUM = APPROVED = MANUFACTURING APPROXIMATE = MANUFACTURE = ARCHITECTURAL = MANHOLE ASPH = ASPHALT = MINIMUM MISC = MISCELLANEOUS = ASSEMBLY = AMERICAN WATER AWWA = MECHANICAL JOIN WORKS ASSOCIATION = MODIFIED BURIED FIBER OPTIC NGS = NATIONAL GEODETIC SURVEY = BUILDING NO (#) = NUMBER = BOULEVARD = NOMINAL NTS = NOT TO SCALE = BENCHMARK = BOTTOM OF CURB = BACK FLOW PREVENTER = ON CENTER = BURIED TELEPHONE = OUTSIDE DIAMETER OPP = OPPOSITE = CUBIC FEET ORIG = ORIGINAL = CORRUGATED HIGH DENSITY = ORNAMENTA POLYETHYLENE PIPE = OVERHEAD = CENTER LINE = PARALLEL = PRECAST CONCRETI = CHAIN LINK FENCE = CORRAGATED METAL PIPE POINT OF CURVATURE = CLEAN OUT. COMPAN = PERFORATED = CITY OF LAKELAND PERMANENT COMMUNICATION PERP = PERPENDICULAR = CONCRETE POINT OF INTERSECTION CONDUIT (UNDERGROUND) = POST INDICATOR VALVE = CONSTRUCT, CONSTRUCTION = PROPERTY LINE, PLATE = CONTRACTOR, CONTRACT = PREFABRICATED = POINT OF REVERSE CURVATURE = CORRUGATED = PROJECT CU FT = CUBIC FOOT PROP = PROPOSED PSF = POUNDS PER SQUARE FOOT = CUBIC INCH = POUNDS PER SQUARE INCH = CUBIC YARD = DITCH BOTTOM INLET = POLYVINYL CHLORIDE **PVMT** = PAVEMENT = DEMOLITION R, RT = DETAIL = DUCTILE IRON = RADIUS = REINFORCED CONCRETE PIPE = ROAD, ROOF DRAIN DIMENSION DUCTILE IRON PIPE = REDUCER = DOWNSPOUT DOWNSTREAM REQ'D = REQUIRED = REVISION, REVISE REV = DRAWING = RIGHT HAND = DESIGN HIGH WATER LEVE = ROOM = ROUND = EACH = ROTATED ROW. R/W = RIGHT OF WAY = ELEVATION = ELECTRIC, ELECTRICAL RR = RAILROAD = ENCLOSURE = EDGE OF PAVEMENT = SOUTH = SANITARY = EDGE OF LANE = EDGE OF PAVEMENT ELEVATION SCH = SCHEDULE SECT = EQUAL = SECTION = ELLIPTICAL REINFORCED = SEWER **ERCP** CONCRETE PIPE SF, SQ FT = SQUARE FEET = EXISTING EXPANSION CONT = SIMII AR = EXPANSION JOINT SLV = SLEEVE = EXTERIOR = SPECIFICATION = SPRINKLER = FLOOR AREA RATIO FIRE DEPARTMENT CONNECTION = STAINLESS STEEL = FLORIDA DEPARTMENT OF = STRFFT TRANSPORTATION = STATION = STANDARD = FINISHED FLOOR = FIRE HYDRANT = STEEL = STRUCTURAL = FORCE MAIN SY, SQYD = SQUARE YARDS = SYSTFM FT (') = FEET, FOOT = SIDEWALK = GAUGE = SEASONAL HIGH WATER LEVEL SHWL = GALVANIZED TAN = TANGENT = TO BE DETERMINED = GRADE BREAK = GROUND TOP OF CONC. TOP OF CURB. = GALVANIZED STEEL. GROUND SHOT TIME OF CONCENTRATION = TELEPHONE = GATE VALVE = TEMPERATURE, TEMPORARY TERMINAL. TERMINATE = HANDICAP TOB = TOP OF BERM, TOP OF BANK = HIGH DENSITY POLYETHYLENE PIPE TOP = TOP OF PAVEMENT **HORIZ** = HORIZONTAL = TOE OF SLOPE

= TOP OF WALL = TOP OF SIDEWALK = TELEVISION = TYPICAL = TOP AND BOTTOM

= HIGH POINT = HIGH WATER = HIGHWAY HYDRANT HYDRAULO = INSIDE DIAMETER = UNDERGROUND = INVERT ELEVATION = UPSTREAM = INCORPORATED = VITRIFIED CLAY PIPE VCP = INFORMATION = INVERT = IRRIGATION : IMPERVIOUS SURFACE AREA RATIO = JUNCTION = JUNCTION MANHOLE

= MATERIAL

= VERTICAL = VERTICAL POINT OF INTERSECTION = VEHICLE USE AREA = WATER MAIN = WEST, WIDTH, WATT = JOINT, CONSTRUCTION JOINT = WITH = WITHOUT = WOOD = LATERAL = WATER LINE = LINEAR FEET = WEIGHT = LEFT HAND = WELDED WIRE FABRIC WWF = LEVEL X-SEC = CROSS SECTION

YD

= YARD

LEGEND **EXISTING** CONCRET CONCRETE PAVEMEN PAVEMENT BARB WIRE FENCE CHAIN LINK FENCE CHAIN LINK FENCE WOOD FENCE WOOD FENCE PROPERTY **PROPERTY** EASEMENT — — — — — EASEMEN1 BOUNDARY/RIGHT OF WAY — — — — — --- - BOUNDARY/RIGHT OF WAY <u>UTILITIES</u> <u>UTILITIES</u> POTABLE WATER MAIN ——WM——WM— POTABLE WATER MAIN WATER METER WATER METER WATER VALVE WATER VALVE FIRE HYDRANT FIRE HYDRANT SANITARY SEWER LINE -SANITARY SEWER LINE SANITARY SEWER MANHOLE SANITARY SEWER MANHOLE CLEANOUT FORCEMAIN ——FM——FM— FORCEMAIN RECLAIMED WATER MAIN ——RCW——RCW—— - RECLAIMED WATER MAIN FIRE MAIN ——FIRE——FIRE—— OVERHEAD CABLE TELEVISION — BTV ——— BTV —— BURIED CABLE TELEVISION POWER POLE — OHE----- OHE----- OVERHEAD ELECTRIC LIGHT POLE BURIED ELECTRIC OVERHEAD FIBER OPTIC PAD MOUNT TRANSFORMER — BFO — BFO — BURIED FIBER OPTIC OVERHEAD TELEPHONE BT BT BURIED TELEPHONE STORM MANHOLE —— GAS ——— GAS ——— - UNKNOWN BURIED UTILITY — UKN—— UKN—— DITCH BOTTOM INLET UTILITY POLE GUY ANCHOR (MITERED END SECTION LIGHT POLE PAD MOUNT TRANSFORMER STORM PIPE STORM MANHOLE TOPO/GRADING TOPO/GRADING MAJOR CONTOUR ————120— ----120-----MINOR CONTOUR ————119——— MINOR CONTOUR CL OF DITCH/SWALE — — — — CL OF DITCH/SWALE TOP OF BANK "TOP" -— TOP OF BANK "TOP" BOTTOM OF BANK "TOE" ——— BOTTOM OF BANK "TOE" FLOW ARROW \sim FLOW ARROW FINISHED GRADE ELEV **≭**135.66 GRADE SHOT $\times 135.66$ LANDSCAPE BUFFER LINE ——Buf——Buf— SILT FENCE ——SILT——SILT— TURBIDITY BARRIER ————TURB ————

SITE CHARACTERISTICS . PROJECT DESCRIPTION: SITE 1: DEVELOPMENT OF CULINARY ARTS BUILDING ADDITION SITE 2: DEVELOPMENT OF CONSTRUCTION ACADEMY SITE 3: DEVELOPMENT OF SCIENCE & INNOVATION BUILDING 2. PROPERTY LOCATION & INFORMATION: 1270 S BROADWAY AVE PROPERTY LOCATION: PROPERTY TAX ID#: 25-30-08-000000-043030 PROPERTY ACREAGE: ±37.03 AC WETLANDS WITHIN PROJECT AREA: ±0.0 AC FEMA FLOOD ZONE(S): ZONE 'X' MAP NUMBER: 12105C0515G EFFECTIVE DATE: **DECEMBER 12, 2016** SECTION / TOWNSHIP / RANGE 08 / 30 S / 25 E 3. ZONING AND LAND USE: 4. DEVELOPMENT CHARACTERISTICS ±3.4AC PROJECT AREA: 5. UTILITY CONTACTS: FOSTER CHATHAN MATT CULVERHOUSE CARLOS BATES FLORIDA PUBLIC UTILITIES CITY OF BARTOW FRONTIER COMMUNICATIONS 450 N WILSON AVE 1705 7TH STREET SW 3712 W. WALNUT ST WINTER HAVEN, FL 33880 BARTOW, FL 33831 TAMPA, FL 33607 (863) 534-0142 EXT: 3118 (863) 292-2933 **RUSS MARTIN** GONZALO ROJAS CITY OF BARTOW COMCAST CABLEVISION OF WEST FLORIDA 450 N WILSON AVE 3490 TECHNOLOGY DR BARTOW, FL 33831 VENICE, FL 34275

(941) 342-3578

CONTRACTOR SHALL UTILIZE THE FOLLOWING FDOT MOT REFERENCES AS APPROPRIATE

DESCRIPTION General Information for Traffic Control Through Work Zones Multilane, Work Outside Shoulder Multilane, Work on Shoulder Multilane, Work Within the Travel Way - Median or Outside Lane Pedestrian Control for Closure of Sidewalks

	TABLE OF FDOT INDEX REFERENCE
#	DESCRIPTION
232	DITCH BOTTOM INLETS - TYPES C, D, E AND H

I IS THE INTENTION OF THESE DOCUMENTS TO PROPOSE FIRE PROTECTION IN ACCORDANCE WITH THE FLORIDA FIRE PREVENTION CODE, (6TH EDITION). CONTRACTOR SHALL BE FAMILIAR WITH THESE DOCUMENTS AND ASSURE CONFORMANCE. CONSTRUCTION MATERIALS, QUALITY, AND WORKMANSHIP SHALL BE IN

(863) 534-0122

ACCORDANCE WITH POLK COUNTY SCHOOL BOARD, CITY OF BARTOW, AND FDOT SPECIFICATIONS AND STANDARDS, AND THE MANUAL ON JNIFORM TRAFFIC CONTROL DEVICES. I IS THE INTENTION OF THESE DOCUMENTS TO PROPOSE

CONSTRUCTION IN ACCORDANCE WITH THE FLORIDA BUILDING CODE AND FLORIDA ACCESSIBILITY CODE (LATEST EDITION). CONTRACTOR SHALL BE FAMILIAR WITH THESE DOCUMENTS AND ASSURE CONFORMANCE.

CONTRACTOR IS RESPONSIBLE FOR HIRING A QUALIFIED INDERGROUND UTILITY LOCATOR. THE UNDERGROUND UTILITY OCATOR SHALL LOCATE EXISTING UTILITIES IN PROJECT AREA PRIOR TO DEMOLITION AND CONSTRUCTION.

PROVIDE SUBMITTALS TO RODNEY A. GADD, PE GADD CASE & ASSOCIATES, LLC 1925 US HIGHWAY 98 S, SUITE 201 LAKELAND, FL 33801 PHONE: (863) 940-9979 EMAIL: RODNEY@GADD-CASE.COM



CONSTRUCTION

BENCHMARK INFORMATION

(CONVERSION FACTOR +0.90').

#-##" QUANTITY AND/OR SIZE OF TREE OAK TREE PALM TREE

PINE TREE

<u>Tree Legend:</u>

CITRUS TREE MISCELLANEOUS BROAD LEAF MISCELLANEOUS NEEDLE LEAF

DEAD TREE BANANA CYPRESS TREE

DOGWOOD OTHER VEGETATION HEDGE

MAGNOLIA TREE MAPLE TREE CAMPHOR TREE

HICKORY TREE WILLOW TREE

BENCHMARK REFERENCE: • ELEVATIONS ARE BASED ON THE N.G.V.D. 1929 DATUM REFERENCE BENCHMARK: BASED ON NATIONAL GEODETIC SURVEY POINT "J 706", BEING A A STANDARD STAINLESS STEEL ROD WITH NGS CAP STAMPED "J 706 2007", HAVING A PUBLISHED ELEVATION OF 122.95 (NAVD 88) AND A CONVERTED ELEVATION OF 123.85 (NGVD 29) USING CORPSCON V6.0.1,

ELEVATION BENCHMARK DESCRIPTION/LOCATION 5/8" IR&C STAMPED "RAPID TRAV. PT." SOUTH OF TBM #1 118.57 N&D STAMPED "RAPID TRAVERSE" SOUTHEAST TBM #2 120.26 OF BUILDING 2 N&D STAMPED "RAPID TRAVERSE" WEST OF TBM #3 122.88 **BUILDING 2** N&D STAMPED "RAPID TRAVERSE" WEST OF TBM #4 BUILDING 10 5/8" IR&C STAMPED "RAPID TRAV. PT." TBM #5 NORTHEAST OF BUILDING 14 N&D STAMPED "RAPID TRAVERSE" NORTHWEST 120.54 OF BUILDING 22

BENCHMARK AND EXISTING CONDITIONS SURVEY INFORMATION PROVIDED BY: RAPID SURVEYING, INC. 2126 E EDGEWOOD DR, SUITE 1 LAKELAND, FL 33803

PHONE: (863) 668-9124 FAX: (863)668-9091

THESE PLANS PREPARED USING THE N.G.V.D. 1929 DATUM

CONVERSION FROM N.G.V.D. 1929 DATUM TO N.A.V.D. 1988 DATUM N.G.V.D. 1929 - 0.90' = N.A.V.D. 1988

CONTRACTOR IS RESPONSIBLE FOR HIRING A QUALIFIED UNDERGROUND UTILITY LOCATOR. THE UNDERGROUND UTILITY LOCATOR SHALL LOCATE EXISTING UTILITIES IN PROJECT AREA PRIOR TO DEMOLITION AND CONSTRUCTION.

DURING ALL PHASES OF CONSTRUCTION, CONTRACTOR MAY ENCOUNTER UTILITIES OR FEATURES NOT DEPICTED ON THESE DOCUMENTS. THE ENCOUNTERED. ANY DAMAGE TO EXISTING UTILITIES OR FEATURES WITHIN THE PROJECT AREA SHALL BE IMMEDIATELY REPAIRED AND RESTORED (INCLUDING, BUT NOT LIMITED TO: WATER, SEWER, GAS, IRRIGATION, ELECTRIC, COMMUNICATIONS, ALARMS, FENCES).

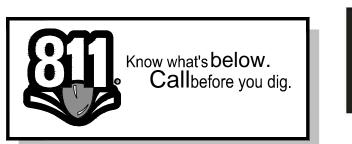
LEGAL DESCRIPTION

(BY SURVEYOR)

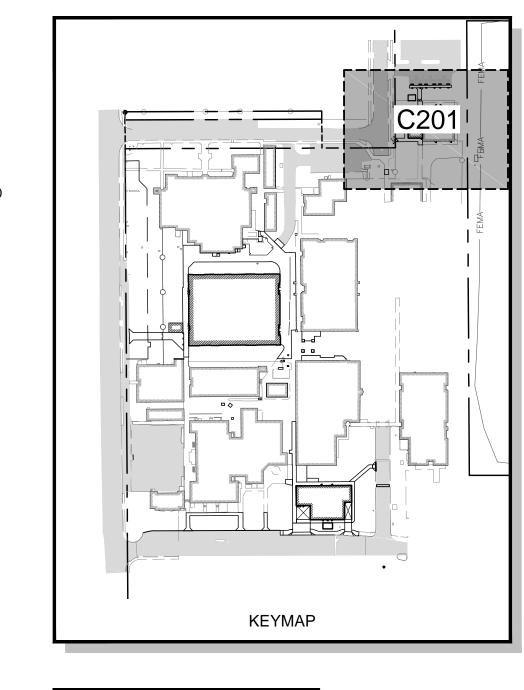
THE WESTERLY AND NORTHERLY LINES OF THE FOLLOWING DESCRIBED PARCEL;

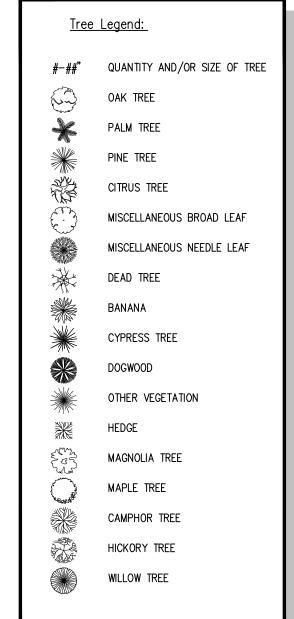
(PROVIDED BY PREVIOUS EDWARDS-PANTER SURVEY, SEE SURVEYOR'S NOTE #15)

THAT PART OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 AND THAT PART OF THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 AND THAT PORT OF THE SOUTHEAST 1/4 OF THE SOUTHWEST 1/4 ALL BEING IN SECTION 8, TOWNSHIP 30 SOUTH, RANGE 25 EAST, POLK COUNTY, FLORIDA, AND MORE FULLY DESCRIBED AS FOLLOWS: ASSUMING THE SOUTH LINE OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 8, TOWNSHIP 30 SOUTH, RANGE 25 EAST TO HAVE A BEARING OF DUE EAST AND WEST BEGIN AT THE SOUTHEAST CORNER OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SAID SECTION 8, RUN THENCE WEST ALONG THE SOUTH LINE THEREOF A DISTANCE OF 780.89 FEET TO THE WEST RIGHT- OF-WAY LINE OF GEORGIA STREET AND THE POINT 40.0 FEET TO THE SOUTH RIGHT-OF-WAY LINE OF GEORGIA STREET, RUN THENCE EAST AND PARALLEL WITH THE SOUTH LINE OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SAID SECTION 8, ALONG SAID SOUTH RIGHT-OF-WAY LINE A DISTANCE OF 1017.99 FEET, RUN THENCE S-00°14'33"-W A DISTANCE OF 358.95 FEET, RUN THENCE WEST AND PARALLEL WITH THE NORTH LINE OF THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SAID SECTION 8 A DISTANCE OF 1470.17 FEET, RUN THENCE N-15°34'00"-W A 410.00 FEET, RUN THENCE S-00°08'43"-E AND PARALLEL WITH THE EAST RIGHT-OF-WAY LINE OF WILLSON AVENUE A DISTANCE OF 77.0 FEET TO THE SOUTH RIGHT-OF-WAY LINE OF THARP STREET, RUN THENCE EAST ALONG SAID RIGHT-OF-WAY LINE A DISTANCE OF 153.0 FEET TO THE INTERSECTION WITH THE EAST RIGHT-OF-WAY LINE OF WILSON AVENUE, RUN THENCE N-00°08'43"-W ALONG SAID EAST RIGHT-OF-WAY LINE A DISTANCE OF 414.11 FEET TO THE INTERSECTION WITH THE SOUTH RIGHT-OF-WAY LINE OF STUART STREET, RUN THENCE S-89°58'04"- E AND PARALLEL WITH THE NORTH LINE OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SAID SECTION 8, ALONG SAID SOUTH RIGHT-OF-WAY LINE A DISTANCE OF 710.16 FEET TO THE WEST RIGHT-OF-WAY LINE OF JACKSON AVENUE, RUN THENCE S-00°10'40"-E AND PARALLEL WITH THE EAST LINE OF THE THE BEGINNING OF A CURVE TO THE RIGHT, RUN THENCE SOUTHWESTERLY ALONG SAID CURVE HAVING A RADIUS OF 125.0 THE NORTH RIGHT-OF-WAY LINE OF GEORGIA STREET, RUN THENCE WEST AND PARALLEL WITH THE SOUTH LINE OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SAID SECTION 8, ALONG SAID RIGHT-OF-WAY LINE A DISTANCE OF 615.47 FEET TO A POINT LYING N-00°08'43"-W AND A DISTANCE OF 40.0 FEET FROM THE POINT OF BEGINNING, RUN THENCE S-00°08'43"-E A DISTANCE OF 40.0 FEET TO THE POINT OF BEGINNING LESS AND EXCEPT THAT PARCEL OF LAND DESCRIBED AS PARCEL "A".









BENCHMARK INFORMATION

BENCHMARK REFERENCE:

 ELEVATIONS ARE BASED ON THE N.G.V.D. 1929 DATUM REFERENCE BENCHMARK: BASED ON NATIONAL GEODETIC SURVEY POINT "J 706", BEING A A STANDARD STAINLESS STEEL ROD WITH NGS CAP STAMPED "J 706 2007", HAVING A PUBLISHED ELEVATION OF 122.95 (NAVD 88) AND A CONVERTED ELEVATION OF 123.85 (NGVD 29) USING CORPSCON V6.0.1, (CONVERSION FACTOR +0.90').

BENCHMARK	ELEVATION	DESCRIPTION/LOCATION
TBM #6	120.54	N&D STAMPED "RAPID TRAVERSE" NORTHWEST OF BUILDING 22

BENCHMARK AND EXISTING CONDITIONS SURVEY INFORMATION PROVIDED BY:

RAPID SURVEYING, INC. 2126 E EDGEWOOD DR, SUITE 1 LAKELAND, FL 33803

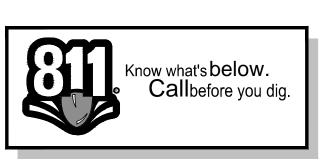
PHONE: (863) 668-9124 FAX: (863)668-9091

THESE PLANS PREPARED USING THE N.G.V.D. 1929 DATUM

CONVERSION FROM N.G.V.D. 1929 DATUM TO N.A.V.D. 1988 DATUM N.G.V.D. 1929 - 0.90' = N.A.V.D. 1988

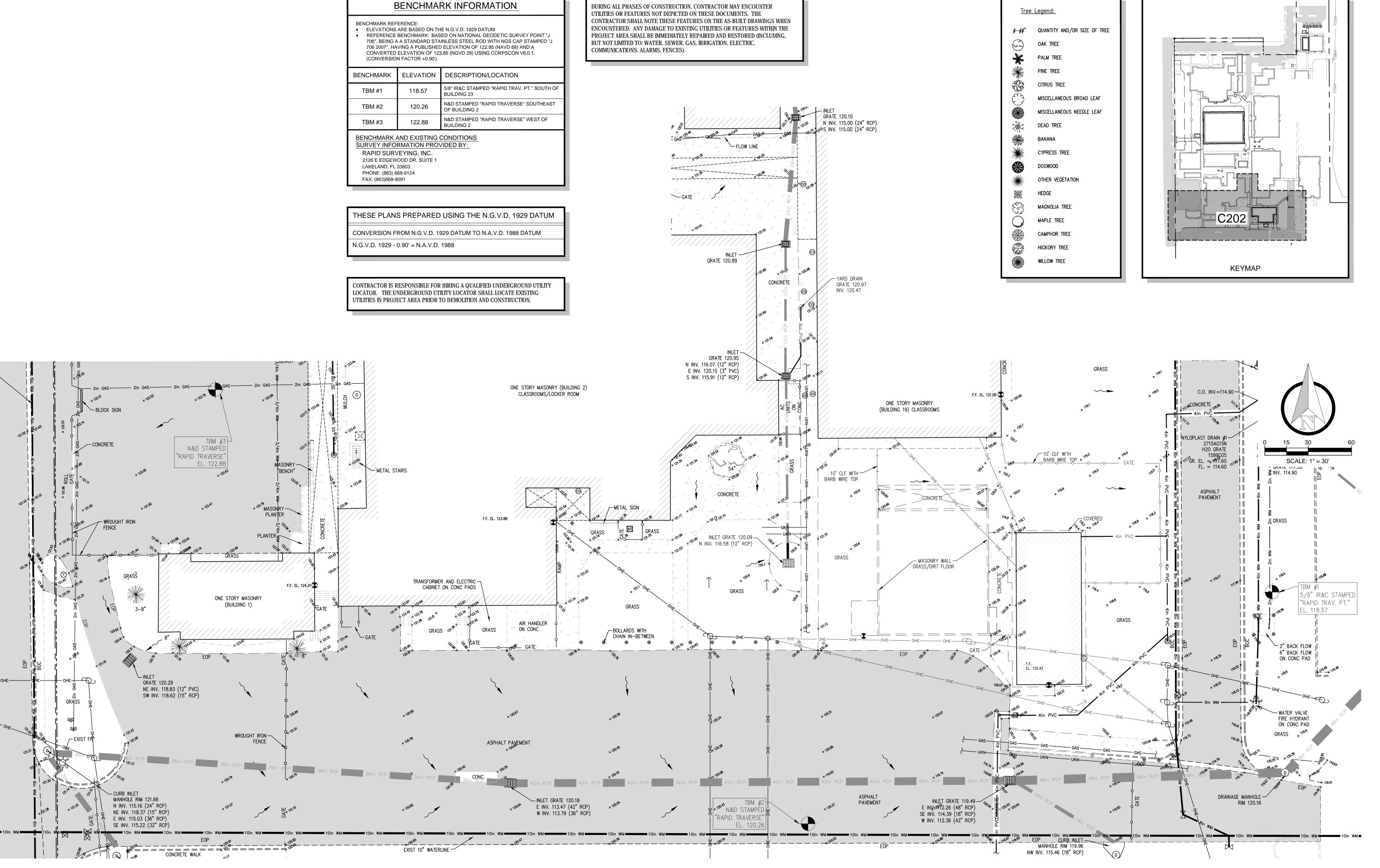
CONTRACTOR IS RESPONSIBLE FOR HIRING A QUALIFIED UNDERGROUND UTILITY LOCATOR. THE UNDERGROUND UTILITY LOCATOR SHALL LOCATE EXISTING UTILITIES IN PROJECT AREA PRIOR TO DEMOLITION AND CONSTRUCTION.

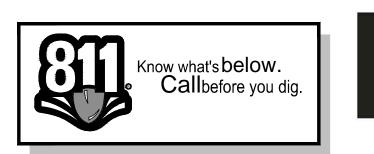
DURING ALL PHASES OF CONSTRUCTION, CONTRACTOR MAY ENCOUNTER UTILITIES OR FEATURES NOT DEPICTED ON THESE DOCUMENTS. THE CONTRACTOR SHALL NOTE THESE FEATURES ON THE AS-BUILT DRAWINGS WHEN ENCOUNTERED. ANY DAMAGE TO EXISTING UTILITIES OR FEATURES WITHIN THE PROJECT AREA SHALL BE IMMEDIATELY REPAIRED AND RESTORED (INCLUDING, BUT NOT LIMITED TO: WATER, SEWER, GAS, IRRIGATION, ELECTRIC, COMMUNICATIONS, ALARMS, FENCES).





CONSTRUCTION

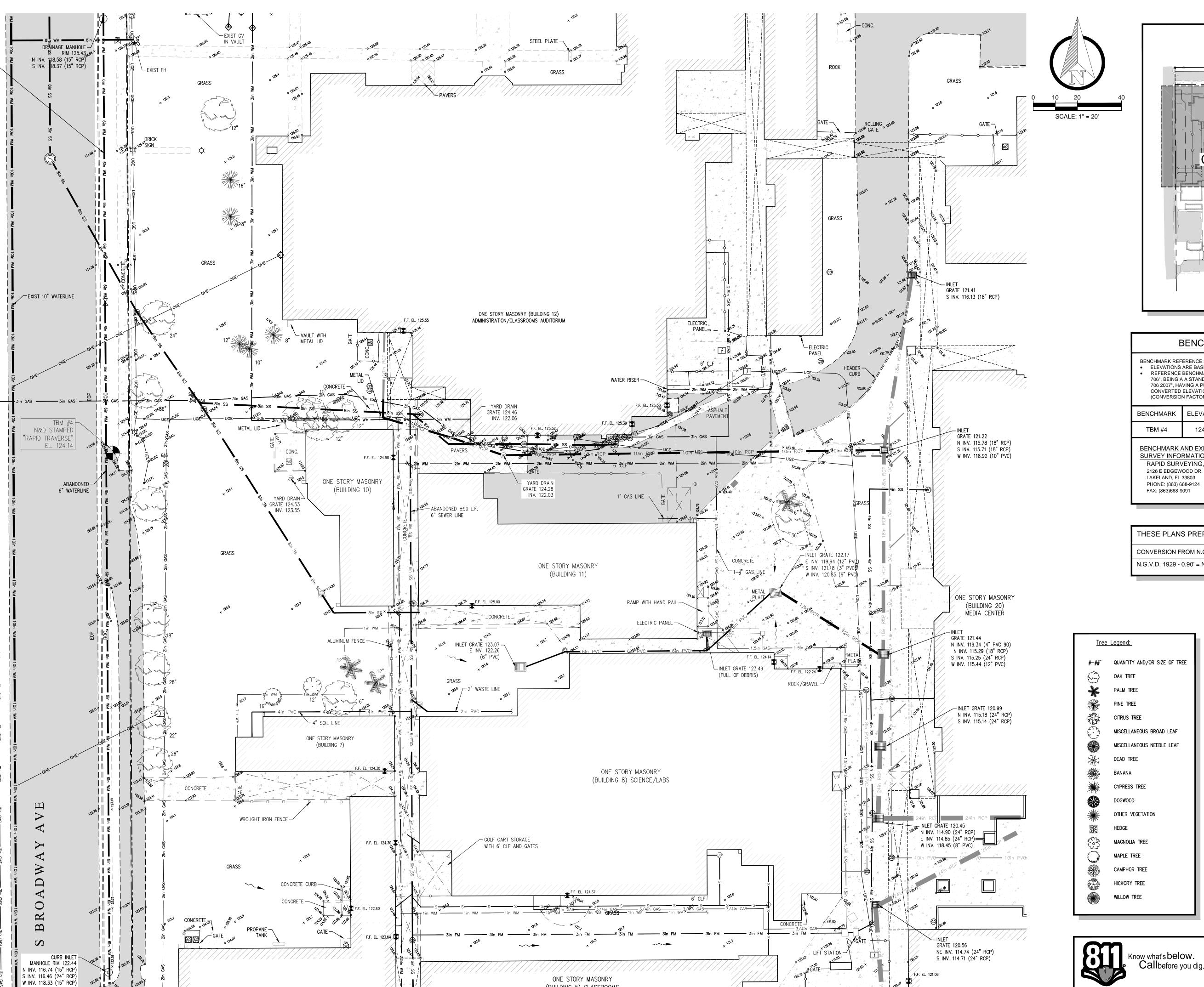






CONSTRUCTION

C202



(BUILDING 5) CLASSROOMS

KEYMAP

BENCHMARK INFORMATION

BENCHMARK REFERENCE:

ELEVATIONS ARE BASED ON THE N.G.V.D. 1929 DATUM

REFERENCE BENCHMARK: BASED ON NATIONAL GEODETIC SURVEY POINT "J 706", BEING A A STANDARD STAINLESS STEEL ROD WITH NGS CAP STAMPED "J 706 2007", HAVING A PUBLISHED ELEVATION OF 122.95 (NAVD 88) AND A CONVERTED ELEVATION OF 123.85 (NGVD 29) USING CORPSCON V6.0.1, (CONVERSION FACTOR +0.90').

BENCHMARK ELEVATION		DESCRIPTION/LOCATION	
TBM #4	124.14	N&D STAMPED "RAPID TRAVERSE" WEST OF BIJLI DING 10	

BENCHMARK AND EXISTING CONDITIONS SURVEY INFORMATION PROVIDED BY:

RAPID SURVEYING, INC. 2126 E EDGEWOOD DR, SUITE 1

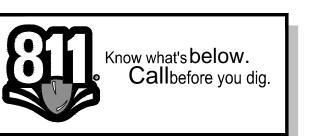
THESE PLANS PREPARED USING THE N.G.V.D. 1929 DATUM

CONVERSION FROM N.G.V.D. 1929 DATUM TO N.A.V.D. 1988 DATUM

N.G.V.D. 1929 - 0.90' = N.A.V.D. 1988

DURING ALL PHASES OF CONSTRUCTION, CONTRACTOR MAY ENCOUNTER UTILITIES OR FEATURES NOT DEPICTED ON THESE DOCUMENTS. THE AS-BUILT DRAWINGS WHEN ENCOUNTERED. ANY DAMAGE TO EXISTING UTILITIES OR FEATURES WITHIN THE PROJECT AREA SHALL BE IMMEDIATELY REPAIRED AND RESTORED (INCLUDING, BUT NOT LIMITED TO: WATER, SEWER, GAS, IRRIGATION, ELECTRIC, COMMUNICATIONS, ALARMS, FENCES).

CONTRACTOR IS RESPONSIBLE FOR HIRING A QUALIFIED UNDERGROUND UTILITY LOCATOR. THE UNDERGROUND UTILITY LOCATOR SHALL LOCATE EXISTING UTILITIES IN PROJECT AREA PRIOR TO DEMOLITION AND CONSTRUCTION.





REVISIONS

CONSTRUCTION

09/28/17

C203

TOTAL AREA OF THE SITE:

TOTAL AREA OF THE SITE TO BE DISTURBED: 3.4 AC

SOIL DESCRIPTION: SITES 1 & 3: EXISTING SOIL TYPE IS URBAN LAND DRAINING TOWARDS LAKE WILSON.

SITE 2: EXISTING SOIL TYPE IS ARENTS WITH A SEASONAL HIGH WATER TABLE OF 2 TO 4 FT BELOW EXISTING GRADE AND HAS A NATURAL SLOPE OF APPROXIMATE 0 TO 5% DRAINING TOWARDS LAKE

DRAINAGE AREA/DISCHARGE POINT:

1. 2.1 AC LAT: 27° 53' 3" N LON: 81° 50' 27" W

RECEIVING WATERS: TO LAKE WILSON VIA UNNAMED EXISTING STORM SYSTEM.

0.29 AC LAT: 27° 53' 5" N LON: 81° 50' 27" W

RECEIVING WATERS: TO LAKE WILSON VIA UNNAMED EXISTING STORM SYSTEM.

LAT: 27° 52' 59" N

LON: 81° 50' 27" W RECEIVING WATERS: TO LAKE WILSON VIA UNNAMED EXISTING STORM SYSTEM.

RODNEY TURNER SENIOR PROJECT MANAGER SCHOOL BOARD OF POLK COUNTY 1915 SOUTH FLORAL AVENUE P.O. BOX 391

BARTOW, FL 33831 PHONE: (863) 519-8987 EMAIL: RODNEY.TURNER@POLK-FL.NET

HE SEQUENCE OF ACTIVITIES WILL BE AS FOLLOWS: ITEM DAYS DESCRIPTION

1. 0-5 SITE PREP AND STABILIZED CONSTRUCTION ENTRANCE.

6-10 INSTALL PERIMETER SEDIMENT AND EROSION CONTROLS. CLEARING/GRUBBING OVER ALL AREAS EXCEPT THOSE THAT ARE DESIGNATED AS

BUFFERS/CONSERVATION EASEMENTS 17-25 SITE GRADING

26-60 INSTALL STORM SEWER AND UTILITIES 61-85 CONCRETE SLAB

85-160 BUILDING STRUCTURE 161-365 FINISH BUILDING

366-390 STABILIZE SITE

11. 391-400 CLEAN OUT SEDIMENTS IN RETENTION BASIN, BRING TO FINAL DESIGN GRADES, DEEP RAKE TO REDUCE COMPACTION AND VEGETATE.

BEST MANAGEMENT PRACTICES (BMPs)

PRIOR TO CLEARING - SILT FENCE (TRENCHED 8 INCHES DEEP AND BACKFILLED ON THE UPHILL SIDE) SHALL BE INSTALLED AROUND THE PERIMETER OF THE SITE. A DOUBLE ROW OF SILT FENCE REINFORCED WITH FIELD FENCING SHALL BE PLACED AROUND VEGETATIVE BUFFERS AND WETLAND AREA AS SHOWN

DURING THE CLEARING, GRUBBING AND SITE GRADING STAGES - AREAS THAT ARE DISTURBED MORE THAN 7 DAYS SHALL BE STABILIZED WITH GRASS OR OTHER APPROPRIATE TEMPORARY VEGETATION APPLIED AT MANUFACTURER'S RECOMMENDATIONS. AFTER SEEDING, EACH AREA SHALL BE MULCHED. ON ALL EXPOSED SLOPES THAT ARE EQUAL TO OR GREATER THAN 5%, AN EROSION CONTROL CLOTH SHALL BE USED UNTIL THE AREA ACHIEVES FINAL STABILIZATION A ROCK ENTRANCE ROAD SHALL BE CONSTRUCTED TO MINIMIZE THE EFFECTS OF TRUCK TRAFFIC AND SEDIMENTATION TRACKING BOTH ON AN OFF THE SITE.

AFTER INITIAL SITE GRADING WORK - ALL PROPOSED INLET(S) / OUTFALL(S), ONCE INSTALLED, SHALL BE PROTECTED FROM EROSION AND SEDIMENT RUNOFF BY THE USE OF FILTER FABRIC AND PROPERLY INSTALLED INLET FILTERS. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE PERMANENTLY CEASED SHALL BE STABILIZED WITH SOD OR OTHER PERMANENT STABILIZATION METHODS 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY. SEEDING SHALL BE THE SAME AS IN TEMPORARY

ALL INSTALLATION SHALL BE COMMENCED AS DEPICTED ON THE PLAN.

STAKED SILT FENCES - STAKED SILT FENCES WILL BE CONSTRUCTED ALONG THE CONSTRUCTION LIMITS AS DEPICTED ON THE CONSTRUCTION SURFACE WATER MANAGEMENT PLAN.

THE RETENTION BASIN SHALL BE USED FOR A SEDIMENT BASIN. CARE SHALL BE TAKEN TO ASSURE THE REMOVAL OF ACCUMULATED FINE SEDIMENTS AND THAT THE EXCESSIVE COMPACTION OF SOIL BE CONSTRUCTION MACHINERY IS AVOIDED.

INLETS/OUTFALL SHALL BE PROTECTED WITH FILTER FABRIC AND PROPERLY INSTALLED INLET FILTERS.

ROCK OUTLET PROTECTION LINED WITH FILTER FABRIC SHALL BE INSTALLED AT ALL OUTFALL POINTS.

PERMANENT STORMWATER MANAGEMENT EXISTING STORMWATER MANAGEMENT SYSTEM CONSTRUCTED UNDER SWFWMD ERP #44005420.006

EROSION AND SEDIMENT TRANSPORT PREVENTION

THE WORK SPECIFIED IN THIS SECTION DESCRIBES EROSION CONTROL AND TRANSPORT OF SEDIMENTS FROM THE PROJECT AREA SO AS TO PREVENT DEGRADATION OF RECEIVING WATERS, DETRIMENTAL EFFECTS ON PUBLIC AND PRIVATE PROPERTY ADJACENT TO THE PROJECT AND DAMAGE WITHIN THE PROJECT AREA. THESE MEASURES WILL INCLUDE THE CONSTRUCTION AND MAINTENANCE OF TEMPORARY AND PERMANENT EROSION CONTROLS.

CONSTRUCTION OPERATIONS SHALL BE LIMITED TO THOSE AREAS WHERE IT IS NECESSARY TO PERFORM FILLING OR EXCAVATION TO ACCOMPLISH THE WORK SHOWN ON THE DRAWINGS AND TO THOSE AREAS NECESSARY TO CONSTRUCT / MAINTAIN TEMPORARY AND PERMANENT EROSION CONTROL MEASURES.

PERMANENT EROSION CONTROL FEATURES SHALL BE CONSTRUCTED AT THE EARLIEST TIME POSSIBLE WITHIN THE WORK EFFORT. TEMPORARY EROSION CONTROL MEASURES SHALL BE USED AT THE BEGINNING OF THE PROJECT OR AT INTERMITTENT TIMES DURING THE PROJECT WHEN CONSTRUCTION ACTIVITIES PRECLUDES THE COMPLETION OF PERMANENT MEASURES. IN EITHER CASE, EROSION CONTROL MUST BE INSTALLED AND MAINTAINED IN A CONTINUOUS MANNER THROUGHOUT THE LIFE OF

MAINTENANCE / INSPECTION PROCEDURES
A QUALIFIED PERSON MUST BE DESIGNATED BY THE CONTRACTOR, AND AGREED UPON BY OWNER, TO PERFORM THE INSPECTIONS AND BE RESPONSIBLE FOR CORRECTING DEFICIENCIES.

ALL POINTS OF DISCHARGES, ALL DISTURBED AREAS OF CONSTRUCTION THAT HAVE NOT BEEN STABILIZED, CONSTRUCTED AREAS AND LOCATIONS CONSTRUCTION ACCESS POINTS, AND ALL BMPs AT LEAST ONCE EVERY 7 CALENDAR DAYS OR WITHIN 24 HOURS OF THE END OF A RAINFALL EVENT THAT IS 0.5 INCHES OR GREATER. WHERE SITES HAVE BEEN STABILIZED, INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE A MONTH UNTIL NOTICE OF TERMINATION IS FILED. A MAINTENANCE INSPECTION REPORT WILL BE MADE AFTER EACH INSPECTION AND WILL BE KEPT AS PART OF THE STORMWATER POLLUTION PREVENTION PLAN FOR A PERIOD OF 3 YEARS FOLLOWING FINAL STABILIZATION OF THE SITE. A COPY OF THE INSPECTION REPORT IS PROVIDED.

ALL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER THROUGHOUT THE PROJECT. ANY REQUIRED REPAIRS MUST OCCUR WITHIN 24 HOURS OF INSPECTION.

MAINTENANCE SHALL BE PERFORMED ON THE ROCK ENTRANCE WHEN ANY VOID SPACES ARE FULL OF

DRAINAGE STRUCTURES SHOULD BE INSPECTED IMMEDIATELY AFTER EACH RAIN EVENT AND ANY REQUIRED REPAIRS TO THE INLET FILTER, SILT FENCE, OR FILTER FABRIC SHALL BE PERFORMED IMMEDIATELY. ANY ACCUMULATED SEDIMENT MUST BE REMOVED AT THE COMPLETION OF THE PROJECT

SILT FENCE SHALL BE INSPECTED AT LEAST WEEKLY. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY. SEDIMENT DEPOSITS SHALL BE REMOVED FROM SILT FENCE WHEN THE REACH APPROXIMATELY ONE -THIRD THE HEIGHT OF THE BARRIER.

BARE AREAS OF THE SITE THAT WERE PREVIOUSLY SEEDED SHALL BE RE-SEEDED PER MANUFACTURES' INSTRUCTIONS.

MULCH AND SOD THAT HAS BEEN WASHED OUT SHALL BE REPLACED IMMEDIATELY.

EMPORARY STABILIZATION - SOIL STOCKPILES AND DISTURBED AREAS WHERE CONSTRUCTION ACTIVITY HAS TEMPORARILY CEASED FOR AT LEAST 14 DAYS WILL BE STABILIZED WITHIN 7 DAYS FROM THE LAST CONSTRUCTION ACTIVITY. THESE AREAS SHALL BE STABILIZED WITH GRASS SEED OR OTHER APPROPRIATE GROUND COVERS DEPENDING UPON SEASON OF INSTALLATION THAT IS APPLIED AT MANUFACTURER'S RECOMMENDATIONS. THE SURFACE AREA OF UNPROTECTED ERODIBLE MATERIAL EXPOSED BY CLEARING AND GRUBBING, EXCAVATION, OR FILLING OPERATION SHALL BE KEPT TO A MINIMUM AS POSSIBLE.

PERMANENT STABILIZATION - AREAS WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY CEASED WILL BE STABILIZED BY SEED, MULCH, OR OTHER PERMANENT MEASURES. SOD SHALL BE USED TO STABILIZE THE SIDES OF THE RETENTION BASINS.

ASTE MATERIAL - ALL WASTE MATERIAL MUST BE COLLECTED IN AN APPROVED CONTAINER AND HAULED TO AN APPROVED DISPOSAL SITE. NO CONSTRUCTION WASTE IS ALLOWED TO BE BURIED ONSITE. ALL WORKERS ONSITE MUST BE INSTRUCTED ON THE CORRECT PROCEDURE FOR DISPOSING OF WASTE. EMPLOYEE WASTE AND OTHER LOOSE MATERIALS WILL BE COLLECTED SO AS TO PREVENT "FLOTABLES" FROM DISCHARGING OFFSITE DURING RAIN EVENTS.

HAZARDOUS WASTE - ALL HAZARDOUS WASTE WILL BE COLLECTED AND DISPOSED OF IN A MANNER SPECIFIED BY LOCAL, STATE, OR MANUFACTURER REGULATIONS OR RECOMMENDED BY MANUFACTURER.

SANITARY WASTE - PORT-O-LETS WILL BE PLACED AWAY FROM STORM SEWER SYSTEMS, STORM INLET(S), SURFACE WATERS AND WETLANDS. SPECIFIC PLACEMENT IS DEPICTED ON THE SITE MAP. ALL SANITARY WASTE WILL BE COLLECTED IN APPROVED CONTAINERS AND TRANSPORTED OFFSITE IN A TIMELY MANNER MEETING STATE AND LOCAL REQUIREMENTS.

IT IS EXPECTED THAT THE FOLLOWING NON-SOTRMWATER DISCHARGES MAY OCCUR FROM THE SITE DURING CONSTRUCTION PERIOD: WATER FROM LINE FLUSHING, PAVEMENT WASH WATER (WHERE NO SPILL OR LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE OCCURRED), AND UNCONTAMINATED GROUNDWATER (FROM DEWATERING EXCAVATION). IF SAID DISCHARGES DO OCCUR, THEY WILL BE DIRECTED TO THE TEMPORARY SEDIMENT BASIN PRIOR TO DISCHARGE..

OFFSITE VEHICLE TRACKING FROM CONSTRUCTION ENTRANCES / EXITS OFFSITE VEHICLE TRACKING OF SEDIMENTS AND DUST GENERATION WILL BE MINIMIZED VIA A ROCK CONSTRUCTION ENTRANCE, DAILY STREET SWEEPING, AND THE USE OF WATER TO KEEP DUST DOWN.

FERTILIZERS, HERBICIDES, AND PESTICIDES

CORIDA FRIENDLY FERTILIZERS AND PESTICIDES WILL BE USED AT A MINIMUM AND IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDED APPLICATION RATES. THE FERTILIZERS AND PESTICIDES WILL BE STORED IN A COVERED SHED.

SUFFICIENT PRECAUTIONS SHOULD BE TAKEN TO PREVENT POLLUTION OF WATERBODIES DIRECTLY OR INDIRECTLY WITH FUELS, OILS, BITUMENS, CALCIUM CHLORIDE, OR OTHER HARMFUL MATERIALS.

ONLY THOSE PRODUCTS REQUIRED FOR CONSTRUCTION WILL BE KEPT ONSITE. MATERIALS STORED ONSITE WILL BE KEPT IN AN ORDERLY MANNER, IN THEIR APPROPRIATE CONTAINERS, AND IF POSSIBLE

PETROLEUM PRODUCTS - ONSITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE ROUTINE MAINTENANCE TO PREVENT THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN SEALED CONTAINERS THAT ARE CLEARLY LABELED. ALL ASPHALT SUBSTANCES USED ONSITE WILL BE APPLIED IN A MANNER AS RECOMMENDED BY MANUFACTURER.

PAINTS - ALL PAINTS AND OTHER CHEMICALS WILL BE STORED IN TIGHTLY SEALED CONTAINERS IN A LOCKED COVERED SHED WHEN WHEN STORED ON SITE. EXCESS PAINTS AND OTHER CHEMICALS WILL NOT BE DISCHARGED TO THE STORM SEWER, STORMWATER POND, OR RECEIVING WATER BUT WILL BE DISPOSED OF IN ACCORDANCE WITH MANUFACTURER RECOMMENDATION AND / OR STATE AND LOCAL

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

OTHER - NO VEHICLE MAINTENANCE SHALL BE CONDUCTED ON-SITE. A WASHDOWN AREA SHALL BE DESIGNATED AT ALL TIMES AND WILL NOT BE LOCATED IN ANY AREA THAT WILL ALLOW FOR THE DISCHARGE OF POLLUTED RUNOFF. A SMALL VEGETATED BERM SHALL BE PLACED AROUND THE WASHDOWN AREA.

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

1. MANUFACTURER RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATIONS OF THE INFORMATION

2. MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREA THAT IS ONSITE. EQUIPMENT AND MATERIALS INCLUDE BROOMS, DUST PANS,

GLOVES, PLASTIC AND METAL TRASH CONTAINERS, ETC. SPECIFICALLY FOR THIS PURPOSE. ALL SPILLS WILL BE CLEANED UP IMMEDIATELY UPON DISCOVERY.

4. THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR THE APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH THE HAZARDOUS SUBSTANCE. 5. SPILLS OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OF

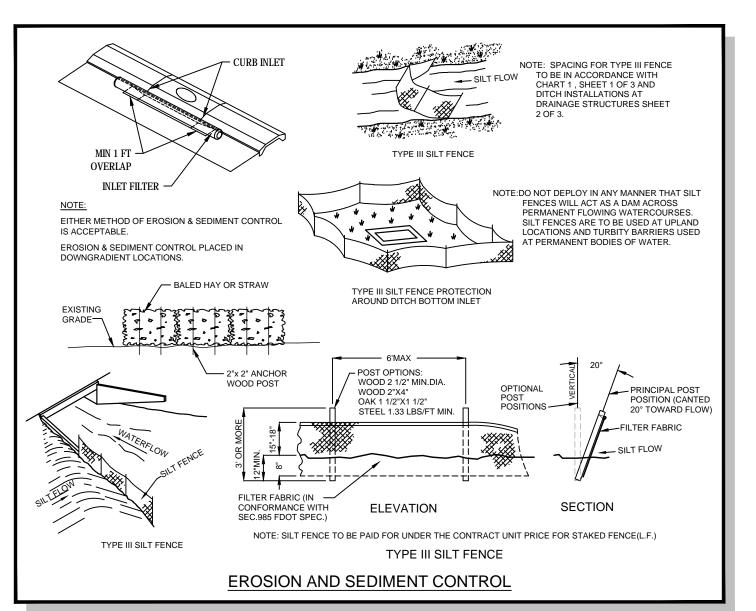
LOCAL AUTHORITY REGARDLESS OF SIZE.

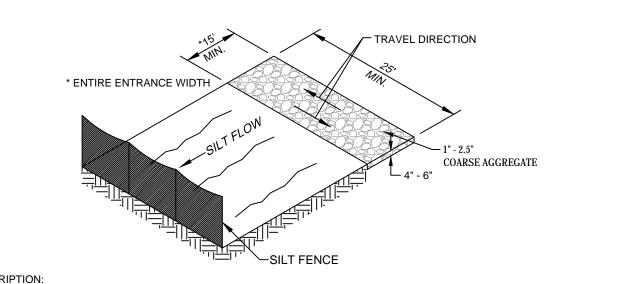
6. THE MATERIALS HANDLING PRACTICES WILL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT SPILLS FROM REOCCURRING. A DESCRIPTION OF THE SPILL, ITS CAUSE, AND THE CLEANUP MEASURES WILL ALSO BE INCLUDED IN THE INSPECTION AND MAINTENANCE REPORT FORM FOR

CERTIFICATION OF COMPLIANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS THE FOLLOWING PRACTICES SHALL COMPLY WITH THE STORMWATER PREVENTION POLLUTION PLAN AS WELL AS REFLECT THE REQUIREMENTS OF:

FDEP'S NPDES GENERIC PERMIT FOR CONSTRUCTION ACTIVITIES.

2. ALL STATE AND LOCAL REQUIREMENTS OF STORMWATER MANAGEMENT SYSTEMS UNDER CHAPTERS 40D-4, 40D-40, AND 40D-400 OF THE FLORIDA ADMINISTRATIVE CODE AS ADMINISTERED BY THE LOCAL WATER MANAGEMENT DISTRICT IN ADDITION TO 33 CFR ADMINISTERED BY ARMY CORP OF





A STABILIZED PAD OF CRUSHED STONE AND WASHDOWN (IF REQUIRED) TO PREVENT TRACKING OR FLOWING OF SEDIMENT

CLEAR AND GRUB AREA AND GRADE TO PROVIDE MAXIMUM SLOPE OF 1.0%. COMPACT SUBGRADE AND PLACE FILTER FABRIC IF DESIRED (RECOMMENDED FOR WASH AREAS TO REMAIN IN USE

PLACE COARSE AGGREGATE, 1" - 2.5" IN SIZE, TO A MINIMUM DEPTH OF 4" - 6".

INSTALL SILT FENCE DOWNGRADIENT.

CANNOT BE UTILIZED FOR WASHING EQUIPMENT OR VEHICLES THAT MAY CAUSE CONTAMINATION OF RUNOFF SUCH AS FERTILIZER EQUIPMENT OR CONCRETE EQUIPMENT.

INSPECT DAILY FOR LOSS OF GRAVEL OR SEDIMENT BUILDUP.

INSPECT ADJACENT AREA FOR SEDIMENT DEPOSIT AND INSTALL ADDITIONAL CONTROLS AS NECESSARY. REPAIR AREA AND REPLACE GRAVEL AS REQUIRED TO MAINTAIN CONTROL IN GOOD WORKING CONDITION.

EXPAND STABILIZED AREA AS REQUIRED TO ACCOMMODATE ACTIVITIES. MAINTAIN SILT FENCE.

CONSTRUCTION ACCESS DETAIL

PRINT SIGNATURE **PRINT**

COMPANY NAME

ADDRESS

PHONE NUMBER

"I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND, AND SHALL COMPLY WITH, THE TERMS AND CONDITIONS

TITLE

CONSTRUCTION ACTIVITIES AND THIS STORMWATER POLLUTION PREVENTION PLAN PREPARED THEREUNDER."

OF THE STATE OF FLORIDA GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL

(TO BE COMPLETED BY CONTRACTOR AND SITEWORK SUB-CONTRACTORS PRIOR TO CONSTRUCTION)

STORMWATER POLLUTION PREVENTION PLAN INSPECTION AND MAINTENANCE REPORT FORM (INSPECTIONS MUST OCCUR AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF THE END OF A STORM EVENT OF 0.5 INCHES OR GREATER) (ADD ADDITIONAL SHEET AS NECESSARY)

FDEP NPDES STORMWATER IDENTIFICATION NUMBER _

LOCATION	RAIN DATA	TYPE OF CONTROL SEE BELOW	DATE INSTALLED / MODIFIED	CURRENT CONDITION (SEE BELOW)	CORRECTIVE ACTION / OTHER REMARK S
NDITION CODE:					

N.T.S.

SIGNATURE

SIGNATURE

PRINT

M = MARGINAL, NEEDS MAINTENANCE OR REPLACEMENT SOON P = POOR, NEED IMMEDIATE MAINTENANCE OR REPLACEMENT C = NEEDS TO BE CLEANED O = OTHER

CONTROL TYPE CODES:

1. SILT FENCE	10. STORM DRAIN INLET PROTECTION	19. REINFORCED SOIL RETAINING SYSTEM	28. TREE PROTECTION
2. EARTH DIKES	11. VEGETATIVE BUFFER STRIP	20. GABION	29. DETENTION POND
3. STRUCTURAL DIVERSION	12. VEGETATIVE BUFFER STRIP	21. SEDIMENT BASIN	30. RETENTION POND
4. SWALE	13. RETENTION POND	22. TEMPORARY SEED / SOD	31. WASTE DISPOSAL / HOUSEKEEPING
5. SEDIMENT TRAP	14. CONSTRUCTION ENTRANCE STABILIZATION	23. PERMANENT SEED / SOD	32. DAM
6. CHECK DAM	15. PERIMETER DITCH	24. MULCH	33. SAND BAG
7. SUBSURFACE DRAIN	16. CURB AND GUTTER	25. GEOHAY INLET FILTER	34. OTHER
8. PIPE SLOPE DRAIN	17. PAVED ROAD SURFACE	26. GEOTEXTILE	
9. LEVEL SPREADERS	18. ROCK OUTLET PROTECTION	27. RIP-RAP	

CONTRACTOR SHALL NOTIFY ENGINEER AND REQUEST (IN ADVANCE) SHOULD THE NEED ARISE TO DEVIATE FROM THIS PLAN

INSPECTOR INFORMATION: (CERTIFIED INSPECTOR PROVIDED BY CONTRACTOR) (TO BE COMPLETED PRIOR TO CONSTRUCTION)

QUALIFICATION

THE ABOVE SIGNATURE ALSO SHALL CERTIFY THAT THIS FACILITY IS IN COMPLIANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN AND THE STATE OF FLORIDA GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES IF THERE ARE NOT ANY INCIDENTS OF NON-COMPLIANCE IDENTIFIED ABOVE

"I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS."

RODNEY GADD, REGISTERED AGENT FOR DATE RODNEY TURNER

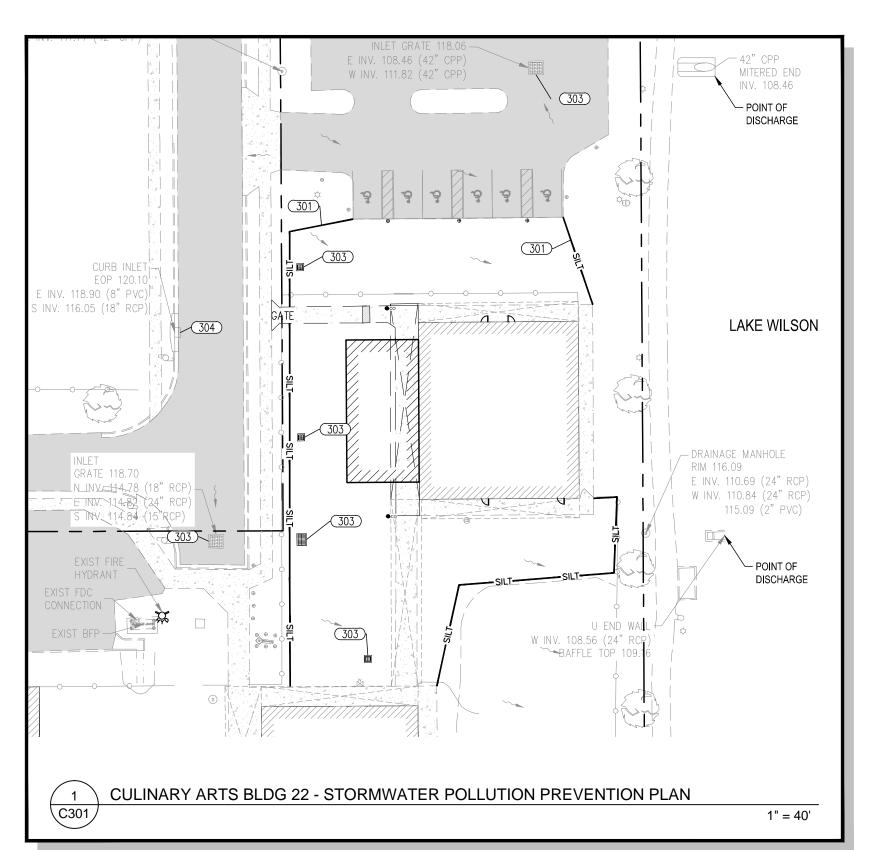
SENIOR COORDINATOR, CONSTRUCTION SERVICES SCHOOL BOARD OF POLK COUNTY 1915 SOUTH FLORAL AVENUE BARTOW, FL 33831 PHONE: (863) 519-8987 EMAIL: RODNEY.TURNER@POLK-FL.NET

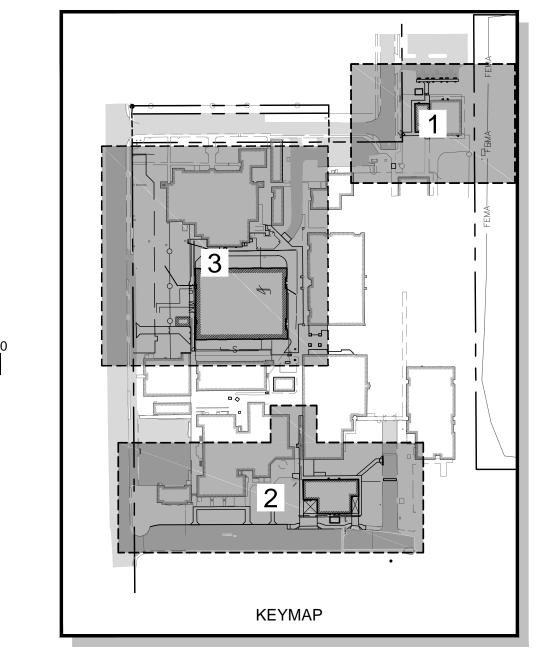
ACCEPTANCE OF THIS PROJECT BY CONTRACTOR HEREIN REQUIRES THE CONTRACTOR TO ADHERE TO THE REQUIREMENTS OF THIS STORMWATER POLLUTION PREVENTION PLAN, COMPLETE THE REQUIRED INFORMATION OF CONTRACTOR AND SUB-CONTRACTOR, PROVIDE CERTIFIED INSPECTOR AS DEFINED BY THE NPDES PROGRAM, AND COMPLETE MONITORING RESPONSIBILITIES REQUIRED THEREIN. MODIFICATION TO THESE PLANS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. THIS PLAN AND THE NPDES PERMIT SHALL BE KEPT ACCESSIBLE ON SITE AT ALL TIMES.



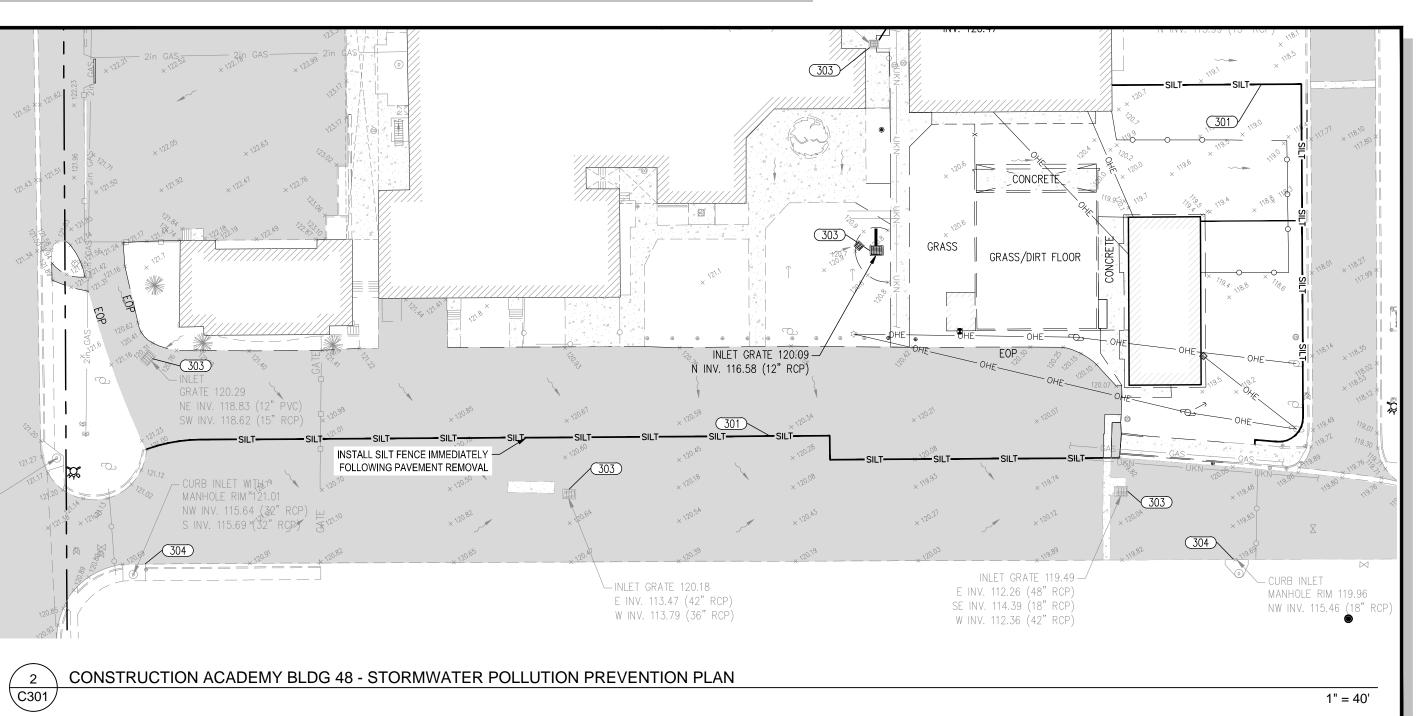


CONSTRUCTION



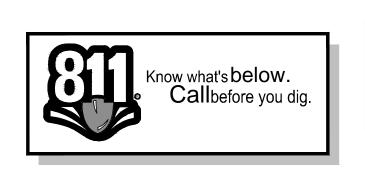


SCALE: 1" = 40'





- 301 INSTALL SILT FENCE TYP
- 302 CONSTRUCT CONSTRUCTION ENTRANCE
- 303 INSTALL INLET PROTECTION AT EXISTING AND PROPOSED INLETS, TYP
- 304 INSTALL CURB INLET FILTER TYP
- 310 PROPOSED OFFICE TRAILER
- 311 PROPOSED FUEL STORAGE 312 PROPOSED DUMPSTER LOCATION
- 313 PROPOSED CONCRETE TRUCK WASH DOWN
- 314 PORT-O-LET LOCATION





REVISIONS

CONSTRUCTION

09/28/17 CHECKED BY



17010

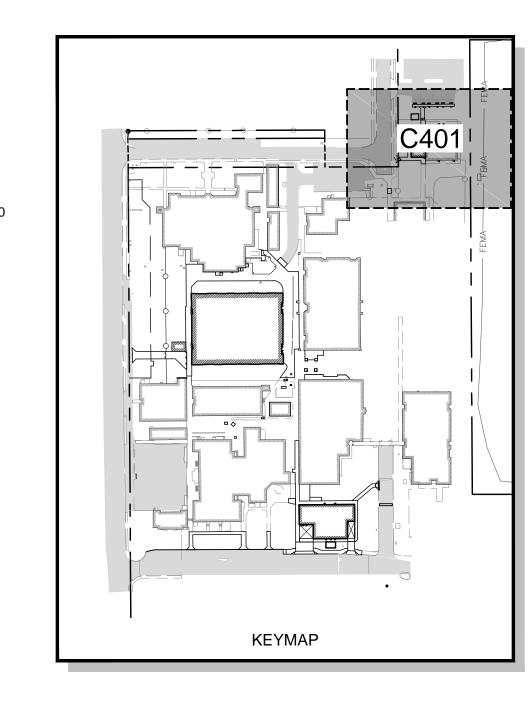
DURING ALL PHASES OF CONSTRUCTION, CONTRACTOR MAY ENCOUNTER UTILITIES OR FEATURES NOT DEPICTED ON THESE DOCUMENTS. THE BUT NOT LIMITED TO: WATER, SEWER, GAS, IRRIGATION, ELECTRIC,

CONTRACTOR SHALL COORDINATE WITH PLUMBING ENGINEER, ELECTRICAL ENGINEER & PROVIDERS FOR REMOVAL AND REPLACEMENT OF ALL ELECTRIC, GAS, ALARM, AND



COMMUNICATIONS, ALARMS, FENCES).





SHEET NOTES:

- 102 SAW CUT AND REMOVE EXISTING PAVEMENT/CONCRETE TO LIMITS SHOWN, COORDINATE WITH ARCHITECTURAL PLANS
- 403 REMOVE CONCRETE TO LIMITS SHOWN (TO NEAREST JOINT TYP), COORDINATE WITH ARCHITECTURAL PLANS
- REMOVE EXISTING FENCE (AND GATES) TO LIMITS SHOWN
- 107 REMOVE EXISTING COVERED CANOPY INCLUDING CONCRETE WALKS AND FOOTINGS. COORDINATE WITH ARCHITECTURAL

DEMO LEGEND

EXISTING PAVEMENT AND CONCRETE TO BE DEMOLISHED AND REMOVED

EXISTING FENCE, WATERLINE, SEWER MAIN, STORM PIPE TO BE REMOVED

DEMOLITION VEGETATION REMOVAL NOTE:

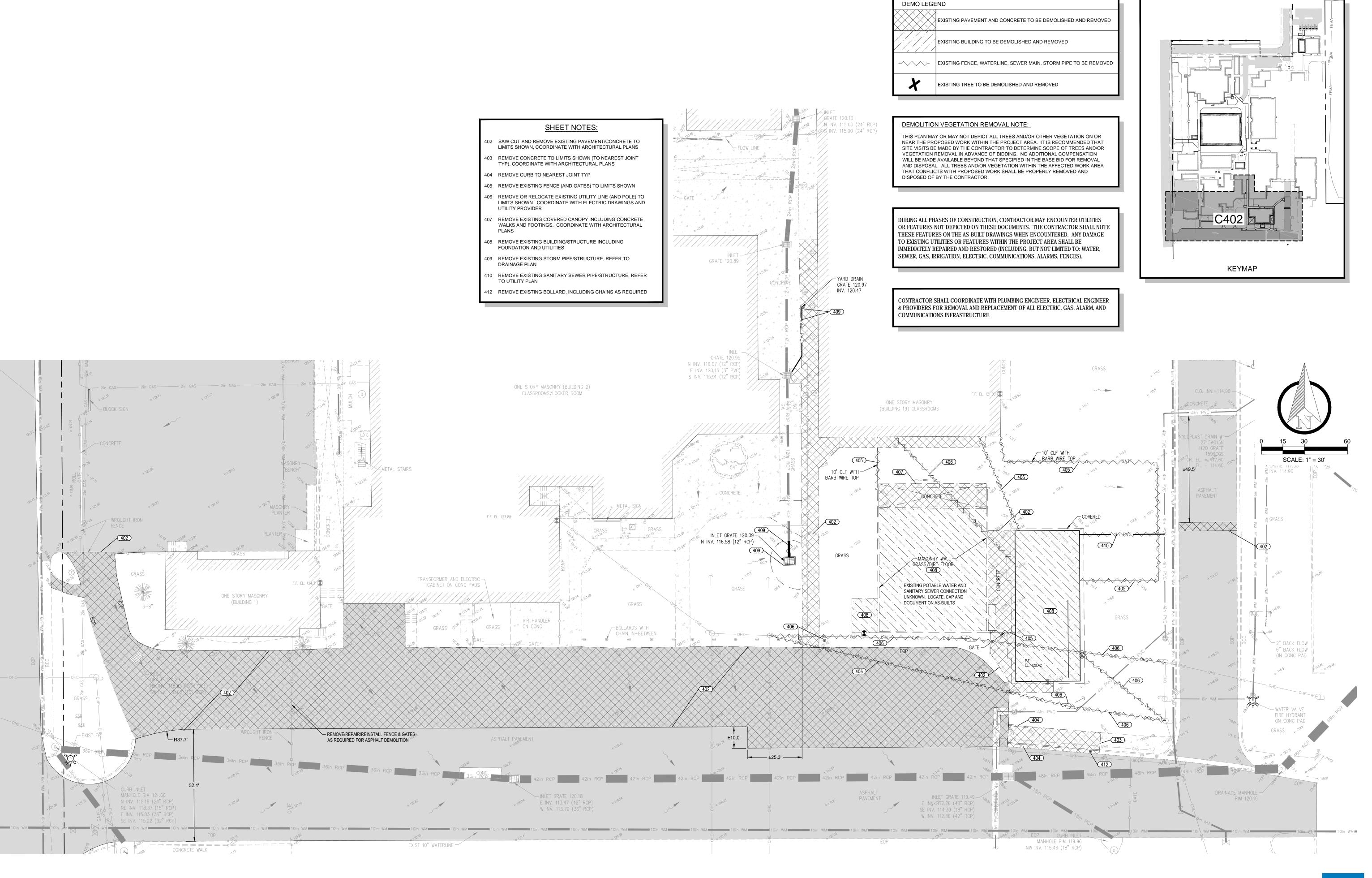
THIS PLAN MAY OR MAY NOT DEPICT ALL TREES AND/OR OTHER VEGETATION ON OR NEAR THE PROPOSED WORK WITHIN THE PROJECT AREA. IT IS RECOMMENDED THAT SITE VISITS BE MADE BY THE CONTRACTOR TO DETERMINE SCOPE OF TREES AND/OR VEGETATION REMOVAL IN ADVANCE OF BIDDING. NO ADDITIONAL COMPENSATION WILL BE MADE AVAILABLE BEYOND THAT SPECIFIED IN THE BASE BID FOR REMOVAL AND DISPOSAL. ALL TREES AND/OR VEGETATION WITHIN THE AFFECTED WORK AREA THAT CONFLICTS WITH PROPOSED WORK SHALL BE PROPERLY REMOVED AND DISPOSED OF BY THE CONTRACTOR.

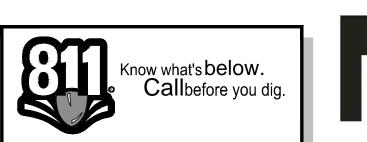
DURING ALL PHASES OF CONSTRUCTION, CONTRACTOR MAY ENCOUNTER UTILITIES OR FEATURES NOT DEPICTED ON THESE DOCUMENTS. THE CONTRACTOR SHALL NOTE THESE FEATURES ON THE AS-BUILT DRAWINGS WHEN ENCOUNTERED. ANY DAMAGE TO EXISTING UTILITIES OR FEATURES WITHIN THE PROJECT AREA SHALL BE IMMEDIATELY REPAIRED AND RESTORED (INCLUDING, BUT NOT LIMITED TO: WATER, SEWER, GAS, IRRIGATION, ELECTRIC, COMMUNICATIONS, ALARMS, FENCES).

CONTRACTOR SHALL COORDINATE WITH PLUMBING ENGINEER, ELECTRICAL ENGINEER & PROVIDERS FOR REMOVAL AND REPLACEMENT OF ALL ELECTRIC, GAS, ALARM, AND COMMUNICATIONS INFRASTRUCTURE.



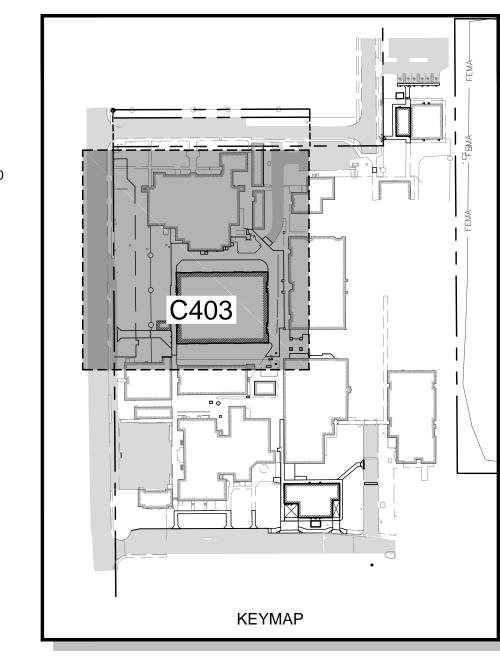


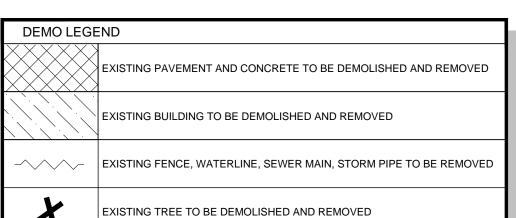






C402





TREES TO BE PRESERVED, INSTALL TREE PROTECTION BARRICADE

DEMOLITION VEGETATION REMOVAL NOTE:

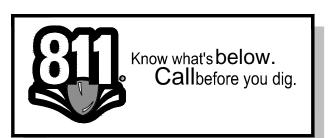
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DURING ALL PHASES OF CONSTRUCTION, CONTRACTOR MAY ENCOUNTER UTILITIES OR FEATURES NOT DEPICTED ON THESE DOCUMENTS. THE CONTRACTOR SHALL NOTE THESE FEATURES ON THE AS-BUILT DRAWINGS WHEN ENCOUNTERED. ANY DAMAGE TO EXISTING UTILITIES OR FEATURES WITHIN THE PROJECT AREA SHALL BE IMMEDIATELY REPAIRED AND RESTORED (INCLUDING, BUT NOT LIMITED TO: WATER, SEWER, GAS, IRRIGATION, ELECTRIC, COMMUNICATIONS, ALARMS, FENCES).

CONTRACTOR SHALL COORDINATE WITH PLUMBING ENGINEER, ELECTRICAL ENGINEER & PROVIDERS FOR REMOVAL AND REPLACEMENT OF ALL ELECTRIC, GAS, ALARM, AND COMMUNICATIONS INFRASTRUCTURE.

SHEET NOTES:

- 402 SAW CUT AND REMOVE EXISTING PAVEMENT/CONCRETE TO LIMITS SHOWN, COORDINATE WITH ARCHITECTURAL PLANS
- 403 REMOVE CONCRETE TO LIMITS SHOWN (TO NEAREST JOINT
- TYP), COORDINATE WITH ARCHITECTURAL PLANS
- 404 REMOVE CURB TO NEAREST JOINT TYP
- 405 REMOVE EXISTING FENCE (AND GATES) TO LIMITS SHOWN
- 407 REMOVE EXISTING COVERED CANOPY INCLUDING CONCRETE WALKS AND FOOTINGS
- 408 REMOVE EXISTING BUILDING/STRUCTURE INCLUDING FOUNDATION AND UTILITIES
- 09 REMOVE EXISTING STORM PIPE/STRUCTURE, REFER TO DRAINAGE PLAN
- 410 REMOVE EXISTING SANITARY SEWER PIPE/STRUCTURE, REFER TO UTILITY PLAN
- 11 REMOVE EXISTING POTABLE WATER PIPE, REFER TO UTILITY
- 4 REMOVE EXISTING TREE INCLUDING ROOTS (MUST BE EXPORTED OFFSITE)
- 415 REMOVE PLAQUE AND RETURN TO OWNER.





PHASE III - CONSTRUCTION DOCUMENTS

MASTER PLAN - PHASE Project No. C-00303

REVISIONS

REVISIONS

03/06/18

APPROVAL

11/30/17

REVIEW

09/28/17 ECKED BY

LAN - PHASE | C-00303 Broadway Avenue Bar

MASTER PLAN - PH Project No. C-00303 1270 South Broadway

CONSTRUCTION

O3/06/18

APPROVAL

11/30/17 REVIEW 09/28/17

C500

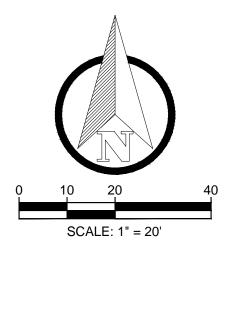
Know what's below.
Callbefore you dig.

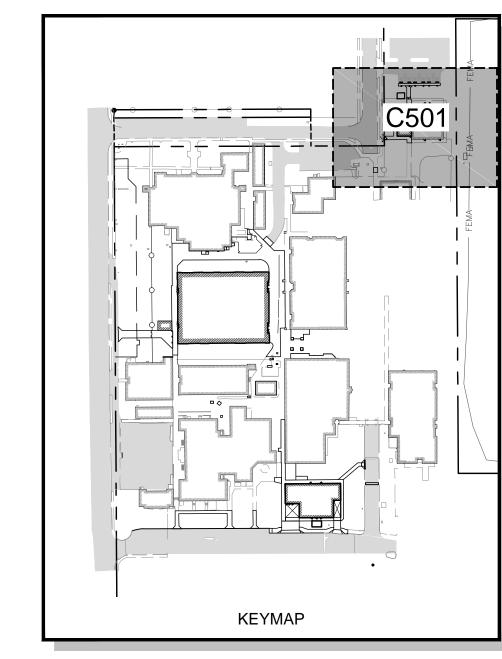
architects

GENERAL SITE NOTES

CONTRACTOR TO REFER TO ARCHITECTURAL DRAWINGS FOR DETAILED LAYOUT OF BUILDING AND FEATURES.

CONTRACTOR TO REFER TO ARCHITECTURAL FOR JOINT PLACEMENT OF ALL CONCRETE AND ADDITIONAL DETAILS OF CONCRETE PAVING





SHEET NOTES:

506 CONSTRUCT CONCRETE SIDEWALK TYP, SEE ARCHITECTURAL PLANS FOR DETAIL

507 PROVIDE SMOOTH TRANSITION TO EXISTING FEATURE TYP

509 BEGIN/END SIDEWALK (1/4" ABOVE PAVEMENT)

510 CONSTRUCT CANOPY OVERHANG, REFER ARCHITECTURAL H PLANS FOR DETAILS 554A BEGIN/END CHAINLINK FENCE CONSTRUCTION, TO MATCH

EXISTING FENCE. REFER TO ARCHITECTURAL PLANS.

557 INSTALL CHAINLINK GATE, REFER TO ARCH PLANS FOR DETAIL 557A INSTALL DOUBLE GATE, REFER TO ARCH PLANS FOR DETAIL

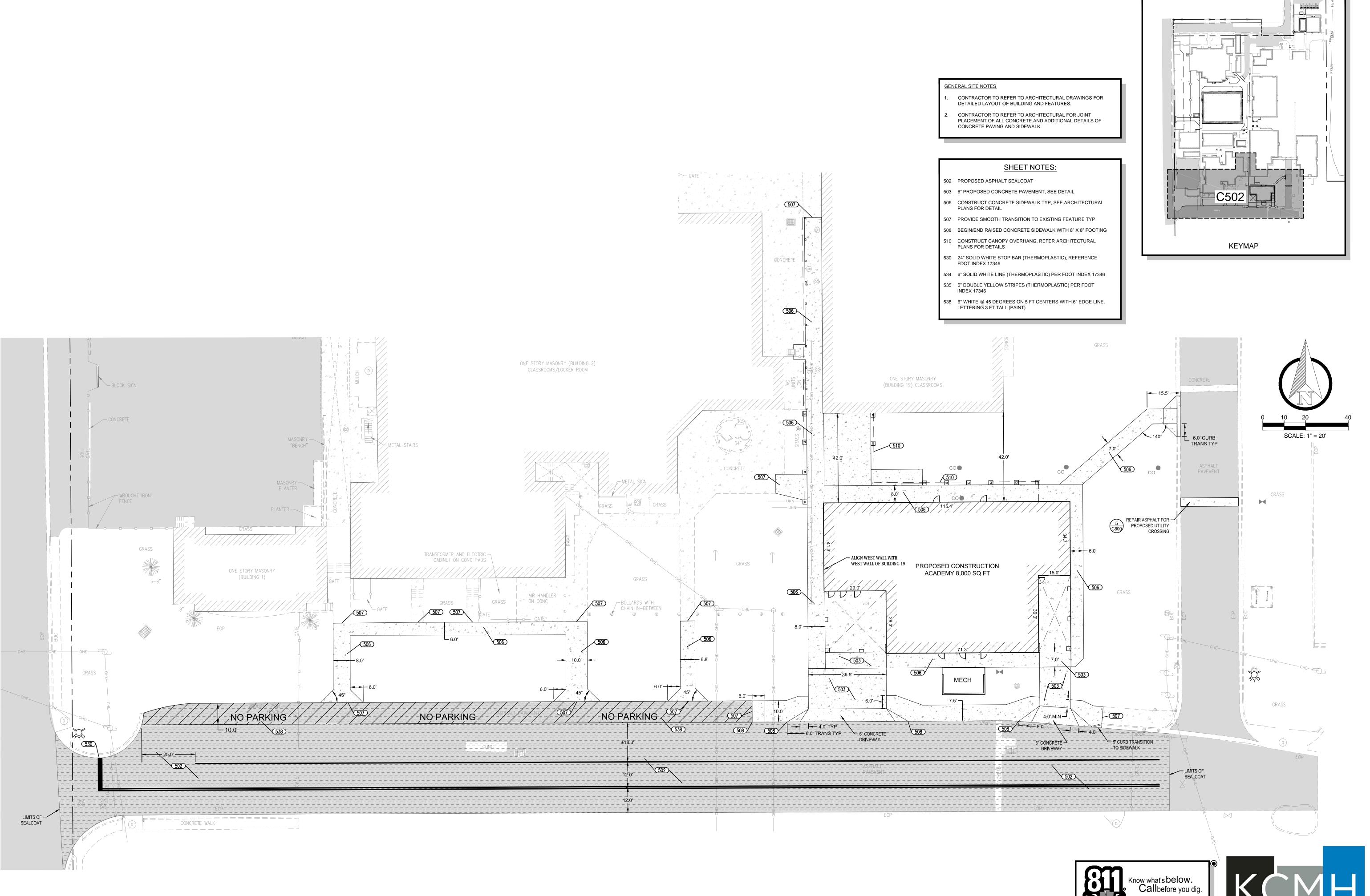
GENERAL SITE NOTES

CONTRACTOR TO REFER TO ARCHITECTURAL DRAWINGS FOR DETAILED LAYOUT OF BUILDING AND FEATURES.

CONTRACTOR TO REFER TO ARCHITECTURAL FOR JOINT PLACEMENT OF ALL CONCRETE AND ADDITIONAL DETAILS OF CONCRETE PAVING AND SIDEWALK.

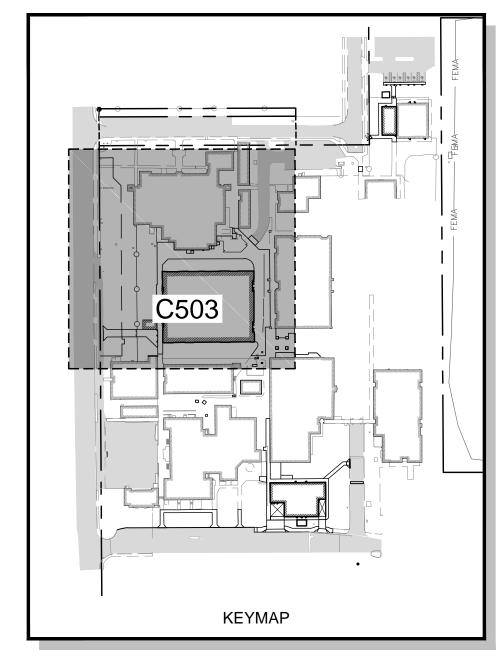
Know what's below.
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C502

architects



SHEET NOTES:

- 503 6" PROPOSED CONCRETE PAVEMENT, SEE DETAIL
- 506 CONSTRUCT CONCRETE SIDEWALK TYP, SEE ARCHITECTURAL PLANS FOR DETAILS
- 507 PROVIDE SMOOTH TRANSITION TO EXISTING FEATURE TYP
- 510 CONSTRUCT CANOPY OVERHANG, REFER ARCH PLANS FOR DETAILS

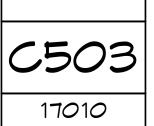
GENERAL SITE NOTES

CONTRACTOR TO REFER TO ARCHITECTURAL DRAWINGS FOR DETAILED LAYOUT OF BUILDING AND FEATURES.

CONTRACTOR TO REFER TO ARCHITECTURAL FOR JOINT PLACEMENT OF ALL CONCRETE AND ADDITIONAL DETAILS OF CONCRETE PAVING AND SIDEWALK.

Know what's below.
Callbefore you dig.





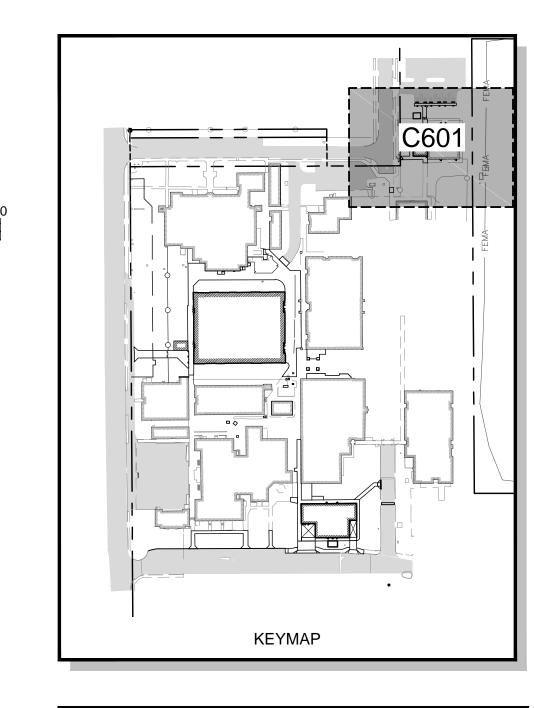
CONVERSION FROM N.G.V.D. 1929 DATUM TO N.A.V.D. 1988 DATUM N.G.V.D. 1929 - 0.9' = N.A.V.D. 1988

SITE SPECIFIC NOTES:

- CONTRACTOR TO BECOME FAMILIAR WITH THE PROPOSED WORK SITE. ANY EXISTING FEATURES REMOVED OR DAMAGED BY CONSTRUCTION ACTIVITIES THAT IS NOT PART OF THIS CONTRACT SHALL BE REPLACED AT CONTRACTOR'S EXPENSE.
- CONTRACTOR TO PROVIDE SMOOTH TRANSITIONS AT LOCATIONS WHERE PROPOSED FEATURES MEET EXISTING FEATURES. WHEN CONCRETE OR ASPHALT IS TO BE DEMOLISHED OR REPLACED, THE EXISTING CONCRETE OR ASPHALT IS TO BE SAW CUT.
- ALL MEG ELEVATIONS, ROADWAY, AND UNDERGROUND STORM AND UTILITY PIPES SHOWN ARE APPROXIMATE. CONTRACTOR TO VERIFY ELEVATIONS PRIOR TO ORDERING STRUCTURES
- CONTRACTOR TO SOD ALL DISTURBED AREAS UNLESS OTHERWISE NOTED ON PLANS WITH BAHIA SOD. IN SLOPED AREAS, THE SOD IS TO BE STAKED AS REQUIRED AND MONITORED FOR WASHOUTS. CONTRACTOR MAY REMOVE STAKES ONCE THE SOD IS ESTABLISHED.
- CONTRACTOR TO CORRECT/REPAIR ANY DAMAGE CAUSED TO EXISTING UTILITIES (WATER, SEWER, COMMUNICATIONS, IRRIGATION, ETC.) CAUSED BY THEIR WORK.
- THIS SITE IS INTENDED TO COMPLY WITH THE FLORIDA ACCESSIBILITY CODE AND ALL DOCUMENTS ADOPTED THEREIN. SHOULD THE CONTRACTOR DETERMINE THAT COMPLIANCE WITH THE STANDARDS IS NOT CONSISTENT WITH THE SITE PLAN OR ELEVATIONS, THEY SHALL NOTIFY ENGINEER IMMEDIATELY FOR A REMEDY. FEATURES CONSTRUCTED BY CONTRACTOR THAT ARE NOT IN COMPLIANCE WITH THE STANDARDS, SHALL BE RECONSTRUCTED AT THE CONTRACTOR'S EXPENSE.

Know what's below.
Callbefore you dig.





THESE PLANS PREPARED USING THE N.G.V.D. 1929 DATUM

CONVERSION FROM N.G.V.D. 1929 DATUM TO N.A.V.D. 1988 DATUM N.G.V.D. 1929 - 0.90' = N.A.V.D. 1988

SHEET NOTES:

601 STORM CLEANOUT TYP, SEE DETAIL

602 PROPOSED FLOW ARROW, REGRADE AND SOD, TYP. 608 3" SCH 40 PVC CONNECT TO DRAIN COLUMN ON CANOPY, COORDINATE CONNECTION LOCATION. REFER TO

609 4" SCH 40 PVC CONDENSATE PIPE CONNECTION TO BUILDING. COORDINATE CONNECTION LOCATION WITH PLUMBING

ARCHITECTURAL FOR CONNECTION DETAILS.

613 DISSIMILAR PIPE CONNECTION, REFER TO FDOT INDEX #280

SITE SPECIFIC NOTES:

CONTRACTOR.

CONTRACTOR TO BECOME FAMILIAR WITH THE PROPOSED WORK

CONTRACTOR TO PROVIDE SMOOTH TRANSITIONS AT LOCATIONS WHERE PROPOSED FEATURES MEET EXISTING FEATURES. WHEN CONCRETE OR ASPHALT IS TO BE DEMOLISHED OR REPLACED,

VERIFY ELEVATIONS PRIOR TO ORDERING STRUCTURES 4. CONTRACTOR TO SOD ALL DISTURBED AREAS UNLESS OTHERWISE NOTED ON PLANS WITH BAHIA SOD. IN SLOPED

CONTRACTOR TO CORRECT/REPAIR ANY DAMAGE CAUSED TO EXISTING UTILITIES (WATER, SEWER, COMMUNICATIONS,

3. THIS SITE IS INTENDED TO COMPLY WITH THE FLORIDA ACCESSIBILITY CODE AND ALL DOCUMENTS ADOPTED THEREIN. SHOULD THE CONTRACTOR DETERMINE THAT COMPLIANCE WITH THE STANDARDS IS NOT CONSISTENT WITH THE SITE PLAN OR ELEVATIONS, THEY SHALL NOTIFY ENGINEER IMMEDIATELY FOR A REMEDY. FEATURES CONSTRUCTED BY CONTRACTOR THAT ARE NOT IN COMPLIANCE WITH THE STANDARDS, SHALL BE

SITE. ANY EXISTING FEATURES REMOVED OR DAMAGED BY CONSTRUCTION ACTIVITIES THAT IS NOT PART OF THIS CONTRACT SHALL BE REPLACED AT CONTRACTOR'S EXPENSE.

THE EXISTING CONCRETE OR ASPHALT IS TO BE SAW CUT.

ALL MEG ELEVATIONS, ROADWAY, AND UNDERGROUND STORM AND UTILITY PIPES SHOWN ARE APPROXIMATE. CONTRACTOR TO

AREAS, THE SOD IS TO BE STAKED AS REQUIRED AND MONITORED FOR WASHOUTS. CONTRACTOR MAY REMOVE STAKES ONCE THE SOD IS ESTABLISHED.

IRRIGATION, ETC.) CAUSED BY THEIR WORK.

RECONSTRUCTED AT THE CONTRACTOR'S EXPENSE.

Know what's below.
Callbefore you dig.



CONSTRUCTION

EXIST 10" WATERLINE -

CONCRETE WALK



NW INV. 115.46 (18" RCP)

SITE SPECIFIC NOTES:

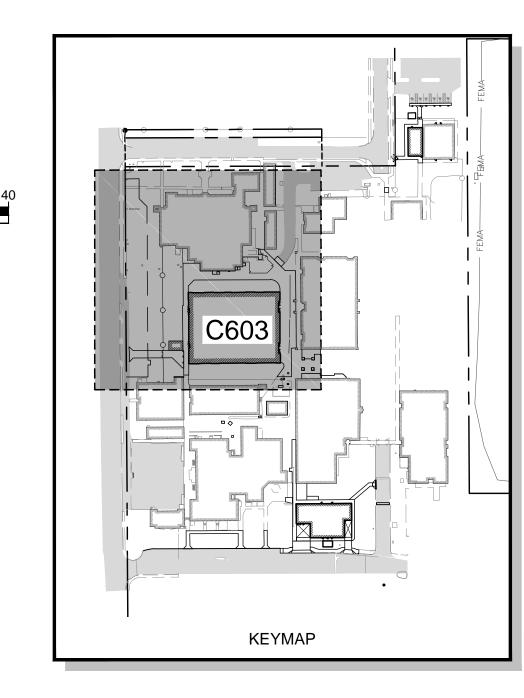
N INVE EL: 112.50 (NEW 18")

CONTRACTOR TO BECOME FAMILIAR WITH THE PROPOSED WORK SITE. ANY EXISTING FEATURES REMOVED OR DAMAGED BY



ONE STORY MASONRY

(BUILDING 5) CLASSROOMS



THESE PLANS PREPARED USING THE N.G.V.D. 1929 DATUM

CONVERSION FROM N.G.V.D. 1929 DATUM TO N.A.V.D. 1988 DATUM N.G.V.D. 1929 - 0.90' = N.A.V.D. 1988

SHEET NOTES:

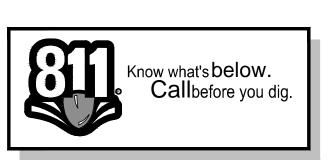
602 PROPOSED FLOW ARROW, REGRADE AND SOD, TYP. 608 3" SCH 40 PVC CONNECT TO DRAIN COLUMN ON CANOPY, COORDINATE CONNECTION LOCATION. REFER TO

ARCHITECTURAL FOR CONNECTION DETAILS.

- 609 4" SCH 40 PVC CONDENSATE PIPE CONNECTION TO BUILDING. COORDINATE CONNECTION LOCATION WITH PLUMBING CONTRACTOR.
- 11 8" SCH 40 PVC CONNECT TO INTERNAL ROOF DRAIN, REFER TO ARCHITECTURAL FOR CONTINUATION
- 12 6" SCH 40 PVC ROOF DRAIN LEADER TYP. TURN UP AND TERMINATE WITH PVC CAP AND CONNECT TO DOWNSPOUT TYP. REFER TO ARCHITECTURAL FOR COUNT AND PLACEMENT
- 613 DISSIMILAR PIPE CONNECTION, REFER TO FDOT INDEX #280 620 REPLACE CLEANOUT TO BE FLUSH WITH NEW SIDEWALK.

SITE SPECIFIC NOTES:

- CONTRACTOR TO BECOME FAMILIAR WITH THE PROPOSED WORK SITE. ANY EXISTING FEATURES REMOVED OR DAMAGED BY CONSTRUCTION ACTIVITIES THAT IS NOT PART OF THIS CONTRACT SHALL BE REPLACED AT CONTRACTOR'S EXPENSE.
- CONTRACTOR TO PROVIDE SMOOTH TRANSITIONS AT LOCATIONS WHERE PROPOSED FEATURES MEET EXISTING FEATURES. WHEN CONCRETE OR ASPHALT IS TO BE DEMOLISHED OR REPLACED, THE EXISTING CONCRETE OR ASPHALT IS TO BE SAW CUT.
- ALL MEG ELEVATIONS, ROADWAY, AND UNDERGROUND STORM AND UTILITY PIPES SHOWN ARE APPROXIMATE. CONTRACTOR TO VERIFY ELEVATIONS PRIOR TO ORDERING STRUCTURES
- CONTRACTOR TO SOD ALL DISTURBED AREAS UNLESS OTHERWISE NOTED ON PLANS WITH BAHIA SOD. IN SLOPED AREAS, THE SOD IS TO BE STAKED AS REQUIRED AND MONITORED FOR WASHOUTS. CONTRACTOR MAY REMOVE STAKES ONCE THE SOD IS ESTABLISHED.
- CONTRACTOR TO CORRECT/REPAIR ANY DAMAGE CAUSED TO EXISTING UTILITIES (WATER, SEWER, COMMUNICATIONS, IRRIGATION, ETC.) CAUSED BY THEIR WORK.
- THIS SITE IS INTENDED TO COMPLY WITH THE FLORIDA ACCESSIBILITY CODE AND ALL DOCUMENTS ADOPTED THEREIN. SHOULD THE CONTRACTOR DETERMINE THAT COMPLIANCE WITH THE STANDARDS IS NOT CONSISTENT WITH THE SITE PLAN OR ELEVATIONS, THEY SHALL NOTIFY ENGINEER IMMEDIATELY FOR A REMEDY. FEATURES CONSTRUCTED BY CONTRACTOR THAT ARE NOT IN COMPLIANCE WITH THE STANDARDS, SHALL BE RECONSTRUCTED AT THE CONTRACTOR'S EXPENSE.



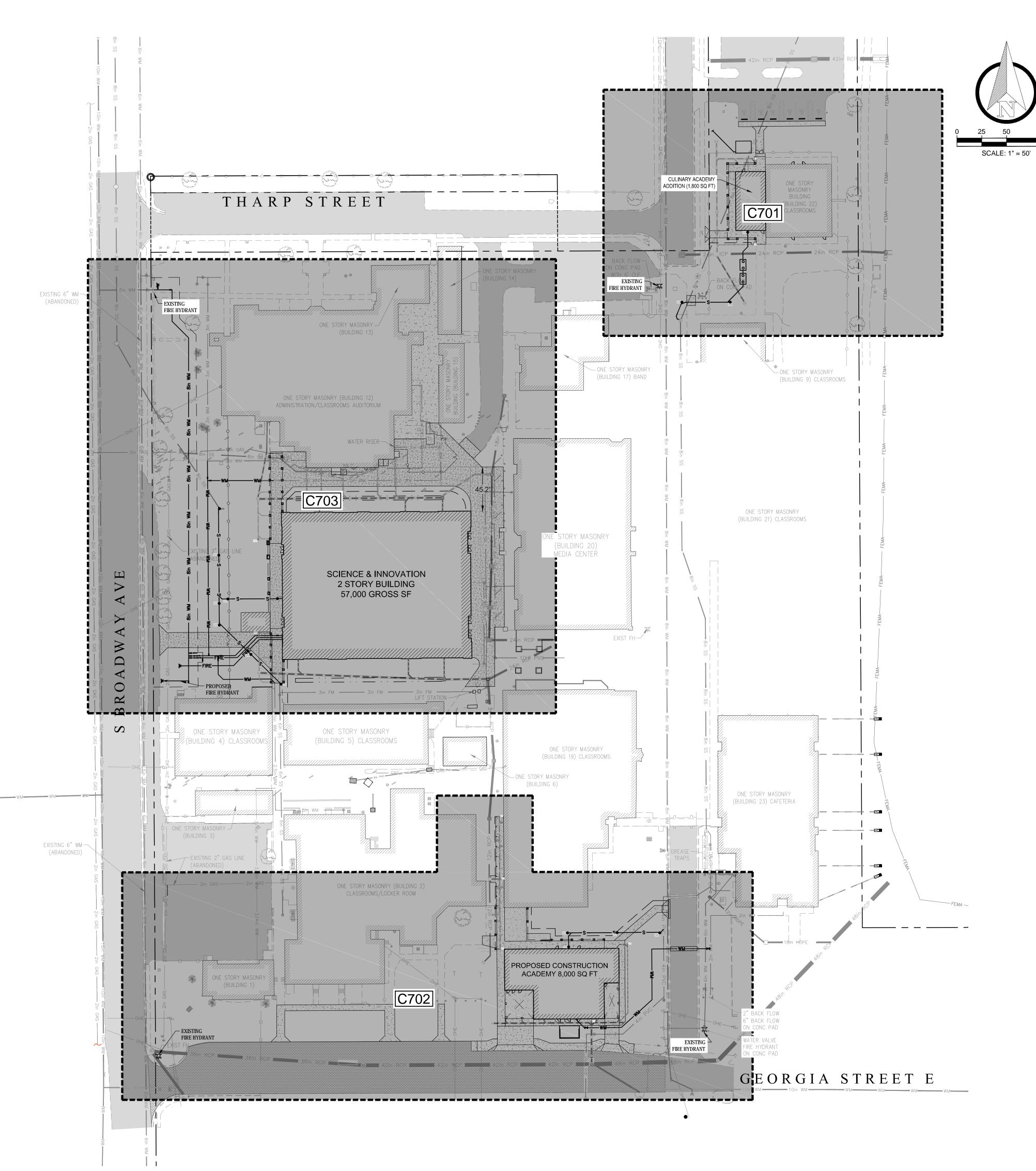


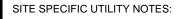
C603

W INV. 118.33 (15" RCP

CONSTRUCTION

17010

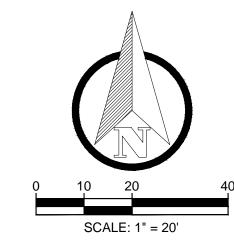


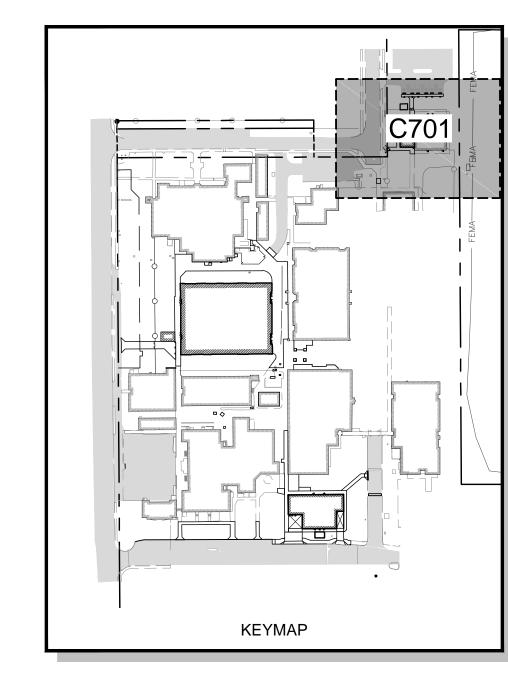


- FOR CONTINUATION ON ALL CONNECTIONS TO BUILDING(S) REFER TO PLUMBING & FIRE PROTECTION
- ALL PVC SANITARY SEWER SERVICE LINES @ 1.0% MIN. SLOPE (TYP.)
- WATER AND SEWER PROVIDED BY THE CITY OF BARTOW. EXISTING UTILITIES SHOWN ARE APPROXIMATE LOCATIONS BASED ON RECORD DRAWINGS AND INFORMATION PROVIDED BY UTILITY PROVIDER AND OWNER. DEVIATIONS IN ACTUAL SITE CONDITIONS CAN BE EXPECTED DUE TO INACCURACIES. CONTRACTOR SHALL FIELD LOCATE ALL EXISTING UTILITIES WITHIN AREA OF CONSTRUCTION AND COORDINATE WITH OWNER, ARCHITECT, AND ENGINEER FOR ANY DEVIATIONS OR FIELD FITTING.
- CONTRACTOR TO NOTIFY THE CITY OF BARTOW AT LEAST 48 HOURS IN ADVANCE IN ORDER TO HAVE A CITY INSPECTOR ON SITE FOR WATER CONNECTIONS TO EXISTING SYSTEM AND TESTING.
- WATER LINES SHALL BE TESTED IN ACCORDANCE WITH OWNER, CITY, COUNTY, AND STATE

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, OR PIPELINES CONVEYING RECLAIMED 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 RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.







SHEET NOTES:

- 703 SANITARY SEWER CONNECTION AND CLEANOUT BY PLUMBING CONTRACTOR, VERIFY SIZE WITH PLUMBING DRAWINGS (BY OTHERS)
- 745 SANITARY SEWER CLEANOUT TYP, SEE DETAIL
- 746 4" SANITARY SEWER LATERAL @ 1% MINIMUM SLOPE, PROVIDE CLEANOUT AT 100' MAX INTERVALS TYP
- 48 GREASE TRAP WITH TRAFFIC BEARING LIDS, REFER TO PLUMBING DRAWINGS (BY OTHERS) FOR REQUIRED SIZE

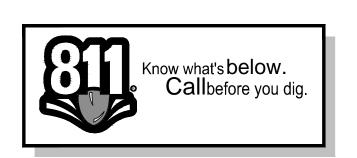
SITE SPECIFIC UTILITY NOTES:

- FOR CONTINUATION ON ALL CONNECTIONS TO BUILDING(S) REFER TO PLUMBING & FIRE PROTECTION DRAWINGS
- 2. ALL PVC SANITARY SEWER SERVICE LINES @ 1.0% MIN. SLOPE (TYP.)
- 3. WATER AND SEWER PROVIDED BY THE CITY OF BARTOW. EXISTING UTILITIES SHOWN ARE APPROXIMATE LOCATIONS BASED ON RECORD DRAWINGS AND INFORMATION PROVIDED BY UTILITY PROVIDER AND OWNER. DEVIATIONS IN ACTUAL SITE CONDITIONS CAN BE EXPECTED DUE TO INACCURACIES. CONTRACTOR SHALL FIELD LOCATE ALL EXISTING UTILITIES WITHIN AREA OF CONSTRUCTION AND COORDINATE WITH OWNER, ARCHITECT, AND ENGINEER FOR ANY DEVIATIONS OR FIELD FITTING.
- 4. CONTRACTOR TO NOTIFY THE CITY OF BARTOW AT LEAST 48 HOURS IN ADVANCE IN ORDER TO HAVE A CITY INSPECTOR ON SITE FOR WATER CONNECTIONS TO EXISTING SYSTEM AND TESTING.
- 5. WATER LINES SHALL BE TESTED IN ACCORDANCE WITH OWNER, CITY, COUNTY, AND STATE REQUIREMENTS AT THE CONTRACTOR'S EXPENSE.
- 6. HYDROSTATIC TEST ON UNDERGROUND FIRE LINES TO BE TESTED IN ACCORDANCE WITH NFPA 24 (200 PSI, 2
- HOURS).
- PROPOSED SERVICE CONNECTION SIZES ARE BASED ON MECHANICAL AND FIRE PROTECTION DRAWINGS BY OTHERS. THESE SIZES SHALL BE VERIFIED BY CONTRACTOR, ARCHITECT, MECHANICAL, AND FIRE DESIGN RECORD PROFESSIONALS FOR ADEQUACY. NOTIFY ENGINEER IF DISCREPANCY IS FOUND.
- CONTRACTOR TO BECOME FAMILIAR WITH LOCAL UTILITY STANDARDS AND MEET REQUIREMENTS SET FORTH FOR MATERIALS, INSTALLATION, INSPECTION, TESTING, AND CLEARING OF SYSTEMS IN ADDITION TO THOSE SET FORTH IN SPECIFICATIONS.
- 9. REFER TO GENERAL NOTES(C101).
- 10. ADDITIONAL FITTINGS AND APPURTENANCES FOR WATER AND SEWER FEATURES MAY BE REQUIRED BEYOND THOSE DESCRIBED IN DETAIL IN THESE DRAWINGS AND ARE ASSUMED INHERENT TO MEET THE INTENT OF THE PROPOSED WORK. CONTRACTOR SHALL INCLUDE THESE ITEMS IN THE BASE BID. NO ADDITIONAL FUNDS WILL BE MADE AVAILABLE TO COMPLETE THE SITE UTILITIES AS PROPOSED.

GENERAL UTILITY NOTES:

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1925 US HWY 98 S, SUITE 201 ● LAKELAND,
PHONE:(863) 940-9979
Certificate of Authorization #30194
www.gadd-case.com

S. ASSOCIATES
S. ASSOCIATES

CIVIL ENGINEE

NEY A. GADD, P.E. . P.E. No. 70875

Florida 33830

l ue Bartow, Flori

ER PLAN - PHASE to No. C-00303 Suth Broadway Aven

Project 1270 a

CONSTRUCTION
03/06/18

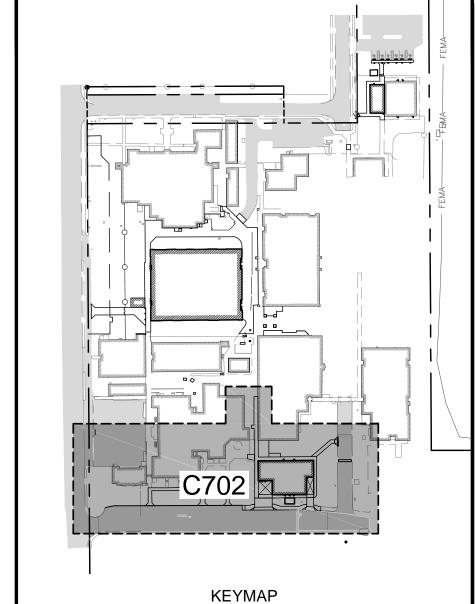
03/06/18
PROVAL
11/30/17
EVIEW
09/28/17

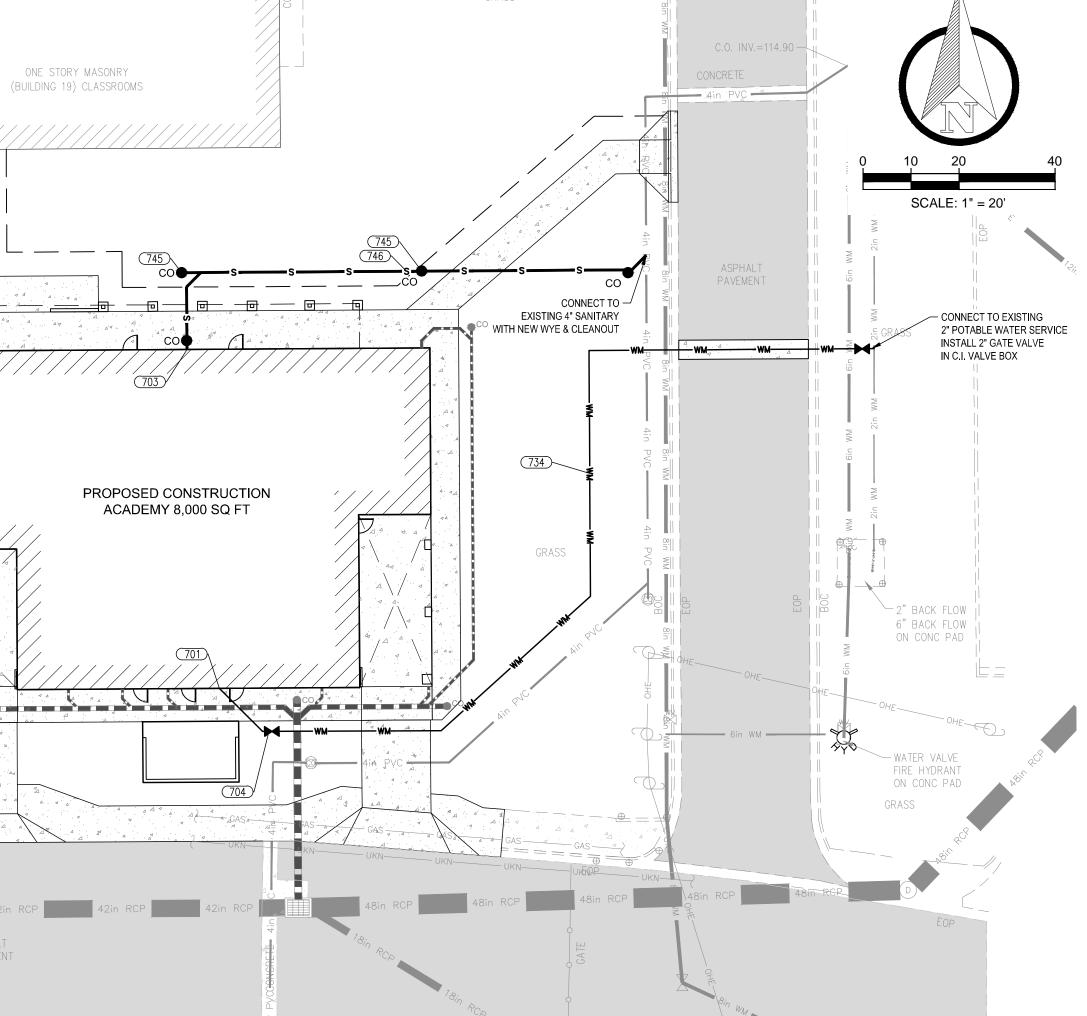
C701

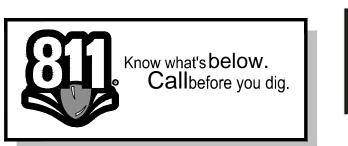
CABINET ON CONC PADS

EXIST 10" WATERLINE

ONE STORY MASONRY









STATISTON DOCUMENTS

BARTON HIGH SCHOOL MASTER PLAN - PHASI Project No. C-00303 1210 South Broadway Ave

SACIONAL TO SECTION SOLVE STEELS

CONSTRUCTION

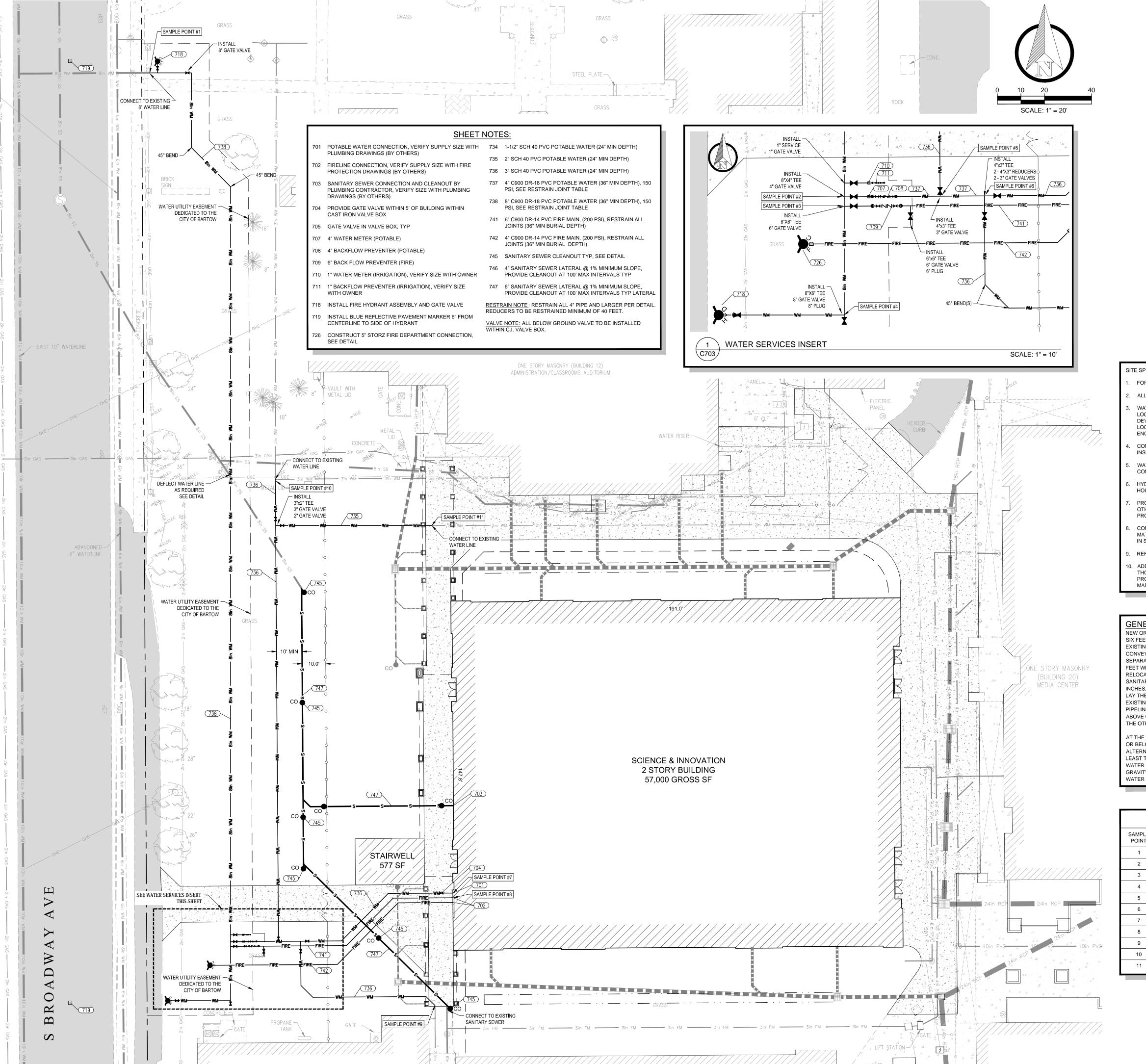
03/06/18

APPROVAL

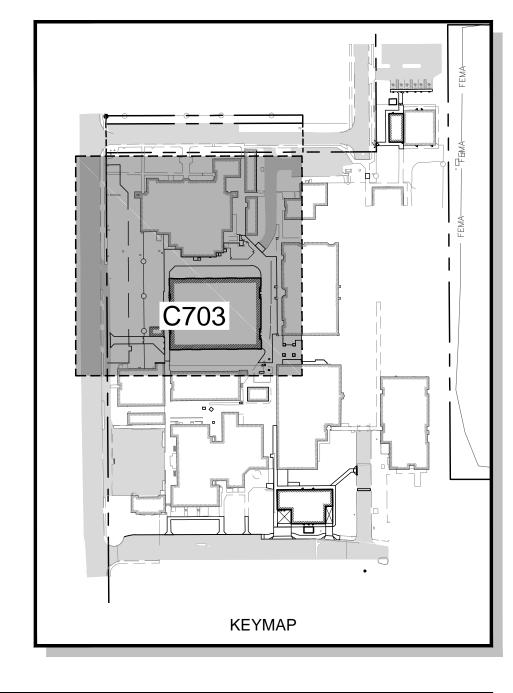
11/30/17

REVIEW

C702



ONE STORY MASONRY



SITE SPECIFIC UTILITY NOTES:

FOR CONTINUATION ON ALL CONNECTIONS TO BUILDING(S) REFER TO PLUMBING & FIRE PROTECTION DRAWINGS

ALL PVC SANITARY SEWER SERVICE LINES @ 1.0% MIN. SLOPE (TYP.)

WATER AND SEWER PROVIDED BY THE CITY OF BARTOW. EXISTING UTILITIES SHOWN ARE APPROXIMATE LOCATIONS BASED ON RECORD DRAWINGS AND INFORMATION PROVIDED BY UTILITY PROVIDER AND OWNER. DEVIATIONS IN ACTUAL SITE CONDITIONS CAN BE EXPECTED DUE TO INACCURACIES. CONTRACTOR SHALL FIELD LOCATE ALL EXISTING UTILITIES WITHIN AREA OF CONSTRUCTION AND COORDINATE WITH OWNER, ARCHITECT, AND ENGINEER FOR ANY DEVIATIONS OR FIELD FITTING.

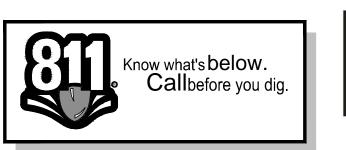
- CONTRACTOR TO NOTIFY THE CITY OF BARTOW AT LEAST 48 HOURS IN ADVANCE IN ORDER TO HAVE A CITY INSPECTOR ON SITE FOR WATER CONNECTIONS TO EXISTING SYSTEM AND TESTING.
- WATER LINES SHALL BE TESTED IN ACCORDANCE WITH OWNER, CITY, COUNTY, AND STATE REQUIREMENTS AT THE CONTRACTOR'S EXPENSE.
- HYDROSTATIC TEST ON UNDERGROUND FIRE LINES TO BE TESTED IN ACCORDANCE WITH NFPA 24 (200 PSI, 2 HOURS)
- 7. PROPOSED SERVICE CONNECTION SIZES ARE BASED ON MECHANICAL AND FIRE PROTECTION DRAWINGS BY OTHERS. THESE SIZES SHALL BE VERIFIED BY CONTRACTOR, ARCHITECT, MECHANICAL, AND FIRE DESIGN RECORD PROFESSIONALS FOR ADEQUACY. NOTIFY ENGINEER IF DISCREPANCY IS FOUND.
- 8. CONTRACTOR TO BECOME FAMILIAR WITH LOCAL UTILITY STANDARDS AND MEET REQUIREMENTS SET FORTH FOR MATERIALS, INSTALLATION, INSPECTION, TESTING, AND CLEARING OF SYSTEMS IN ADDITION TO THOSE SET FORTH IN SPECIFICATIONS.
- e. REFER TO GENERAL NOTES(C101).
- 10. ADDITIONAL FITTINGS AND APPURTENANCES FOR WATER AND SEWER FEATURES MAY BE REQUIRED BEYOND THOSE DESCRIBED IN DETAIL IN THESE DRAWINGS AND ARE ASSUMED INHERENT TO MEET THE INTENT OF THE PROPOSED WORK. CONTRACTOR SHALL INCLUDE THESE ITEMS IN THE BASE BID. NO ADDITIONAL FUNDS WILL BE MADE AVAILABLE TO COMPLETE THE SITE UTILITIES AS PROPOSED.

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	SAMPLE POINT TABLE
SAMPLE POINT	OBJECT
1	TEMPORARY SAMPLE POINT (1" SERVICE TAP W/ GATE VALVE)
2	TEMPORARY SAMPLE POINT (1" SERVICE TAP W/ GATE VALVE)
3	TEMPORARY SAMPLE POINT (1" SERVICE TAP W/ GATE VALVE)
4	TEMPORARY SAMPLE POINT (1" SERVICE TAP W/ GATE VALVE)
5	TEMPORARY SAMPLE POINT (1" SERVICE TAP W/ GATE VALVE)
6	TEMPORARY SAMPLE POINT (1" SERVICE TAP W/ GATE VALVE)
7	TEMPORARY SAMPLE POINT (1" SERVICE TAP W/ GATE VALVE)
8	TEMPORARY SAMPLE POINT (1" SERVICE TAP W/ GATE VALVE)
9	TEMPORARY SAMPLE POINT (1" SERVICE TAP W/ GATE VALVE)
10	TEMPORARY SAMPLE POINT (1" SERVICE TAP W/ GATE VALVE)
11	TEMPORARY SAMPLE POINT (1" SERVICE TAP W/ GATE VALVE)





5 US HWY 98 S, SUITE 201 ● LAKELAND, FL 3% PHONE:(863) 940-9979 Certificate of Authorization #30194 www.gadd-case.com

ASSOCIATES

S. ASSOCIATES

Cer

GIVIL ENGINEERING & LAND

RODNEY A. GADD, P.E. FLA. P.E. NO. 70875 DATE

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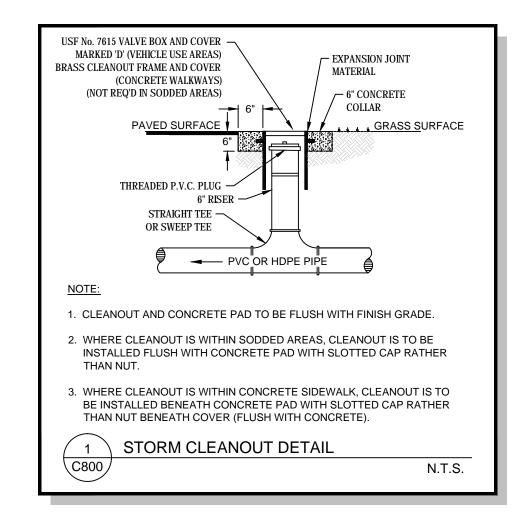
- FHASE | 1303 dway Avenue Bartow

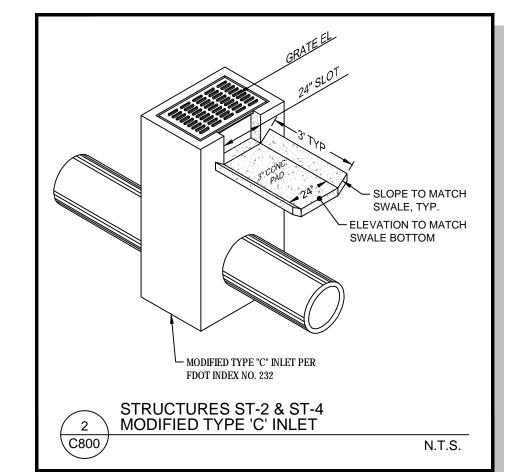
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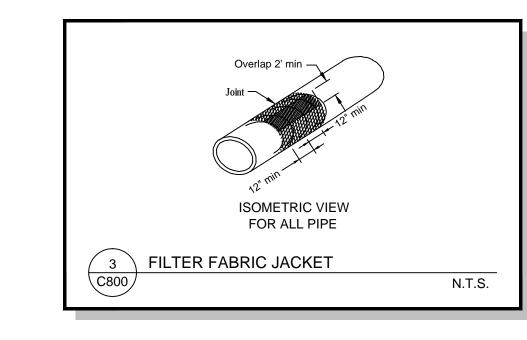
MASTER PLA Froject No. C-1270 South Bro

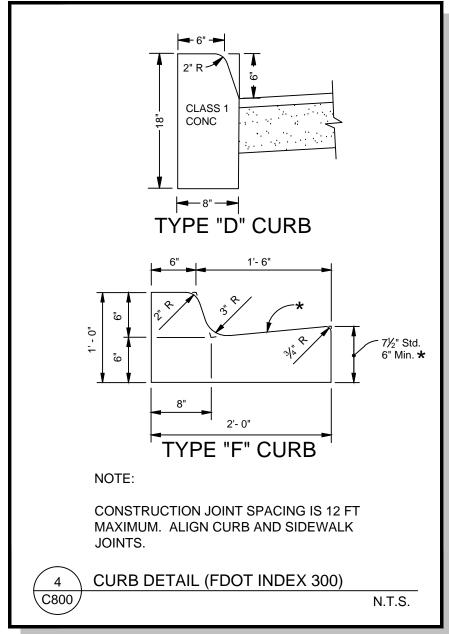
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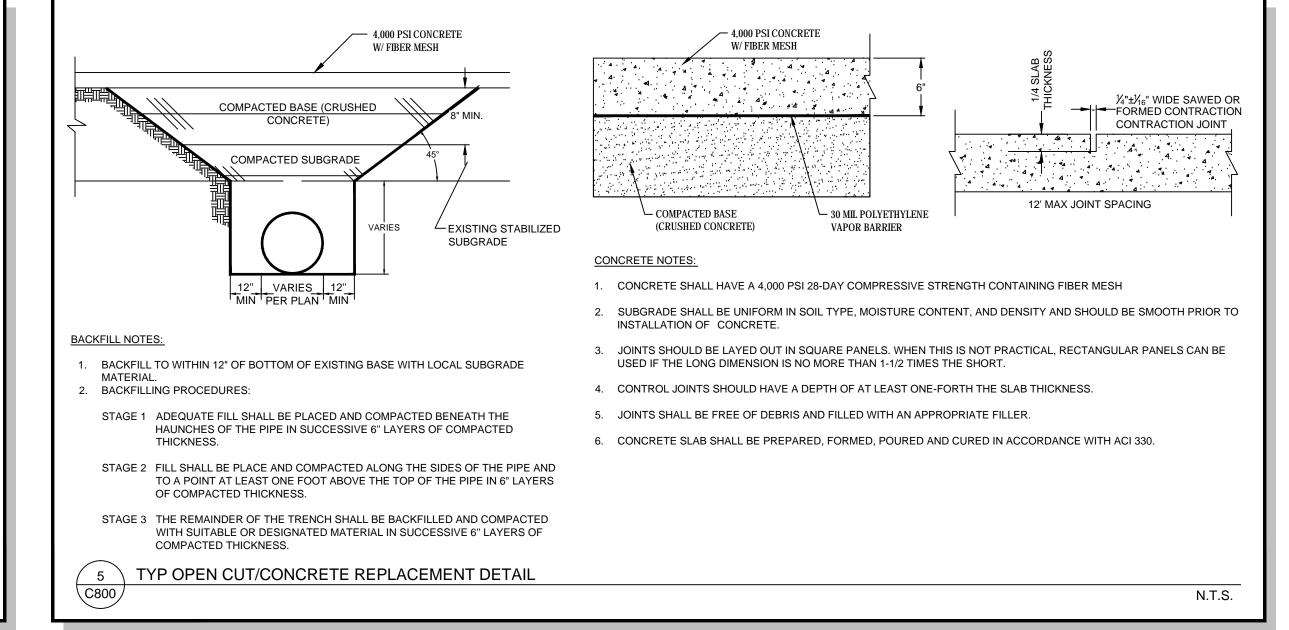
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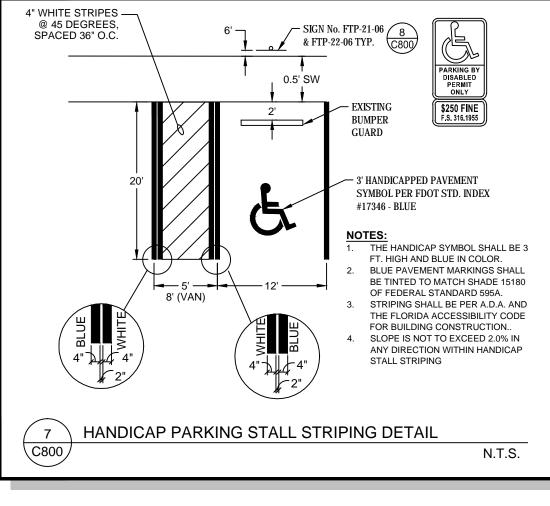


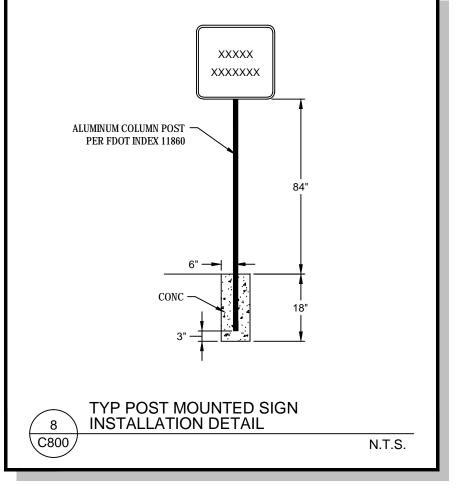


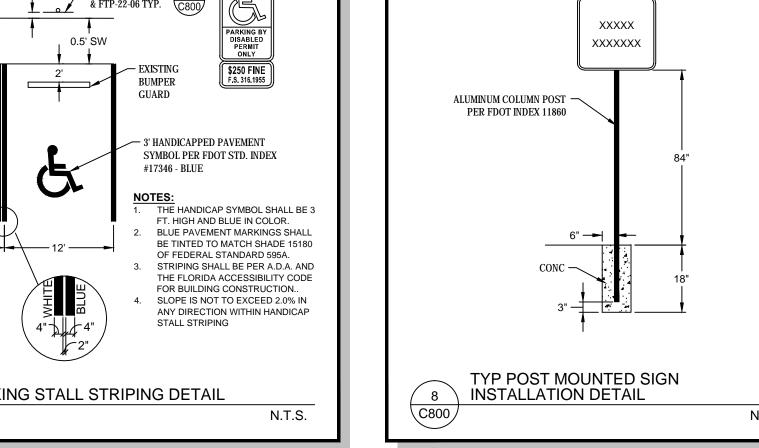




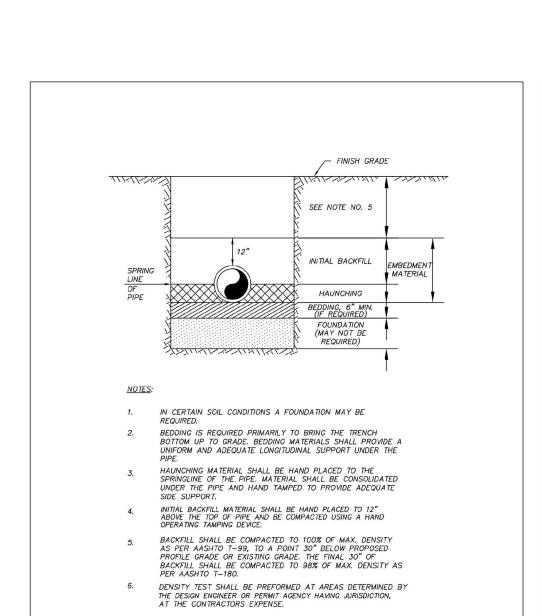




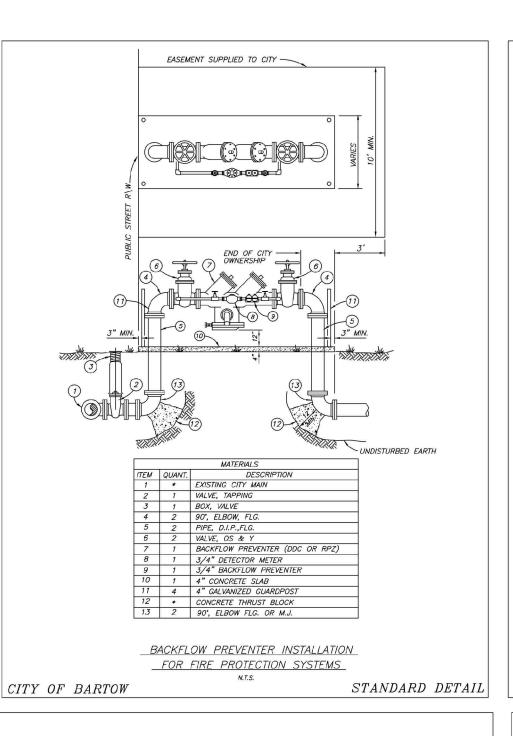


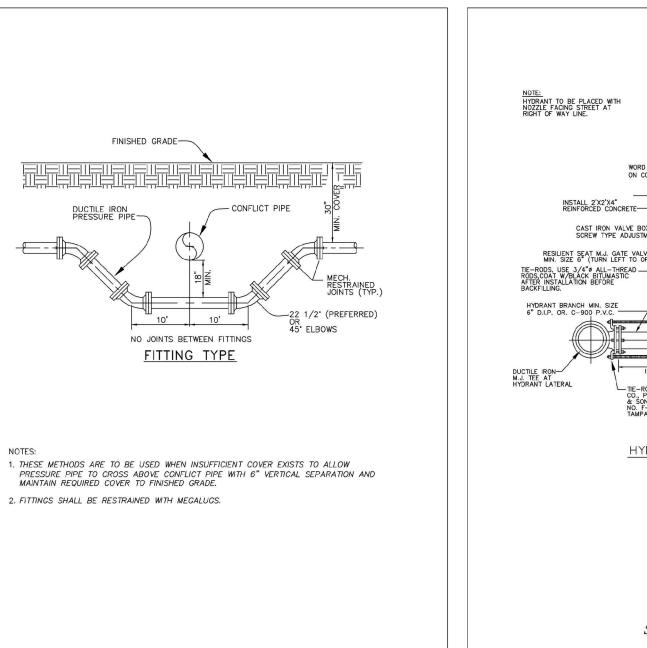


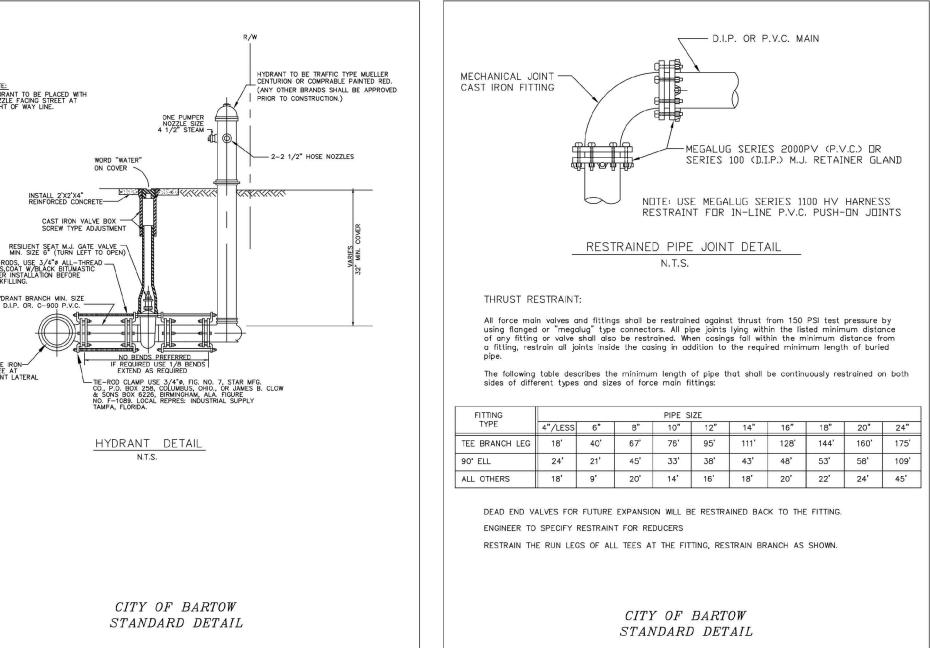


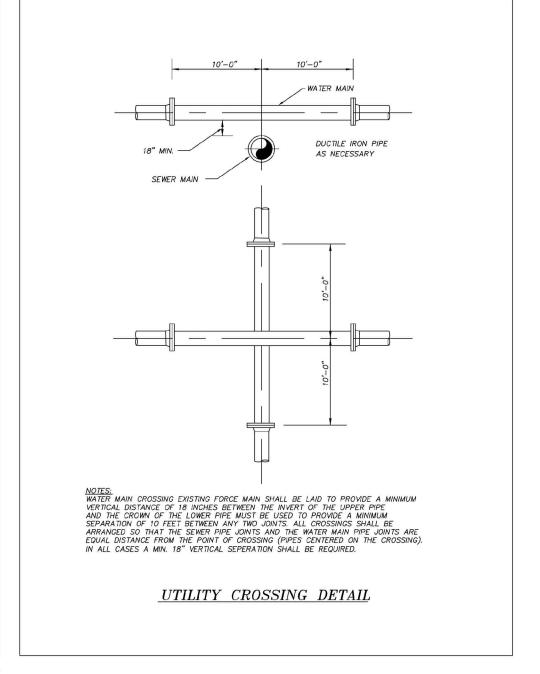


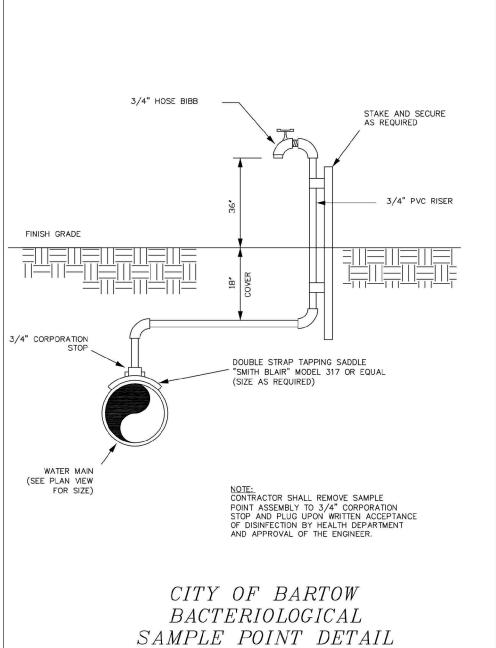
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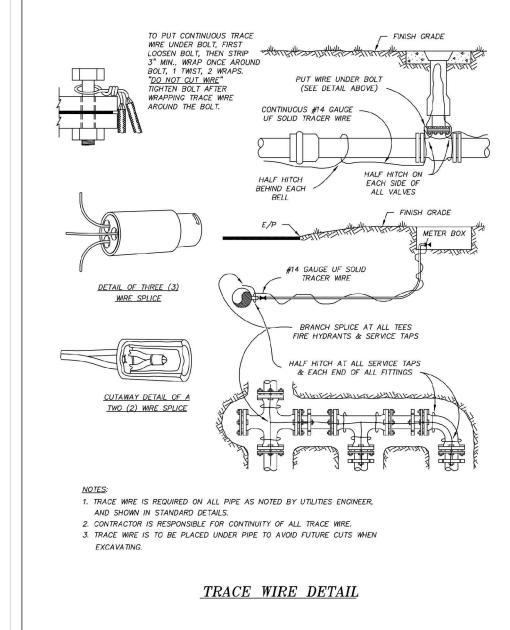


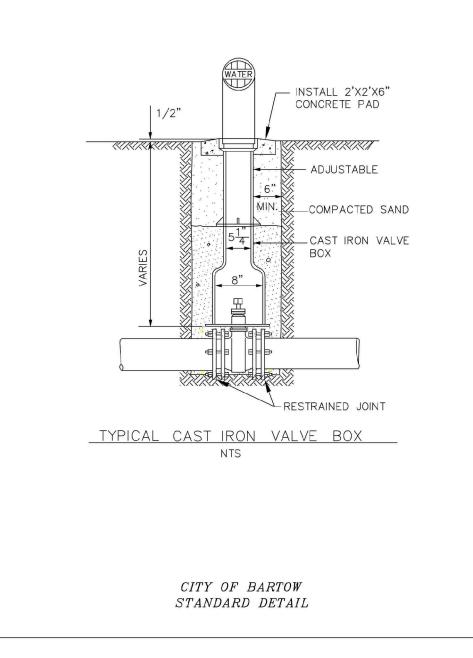


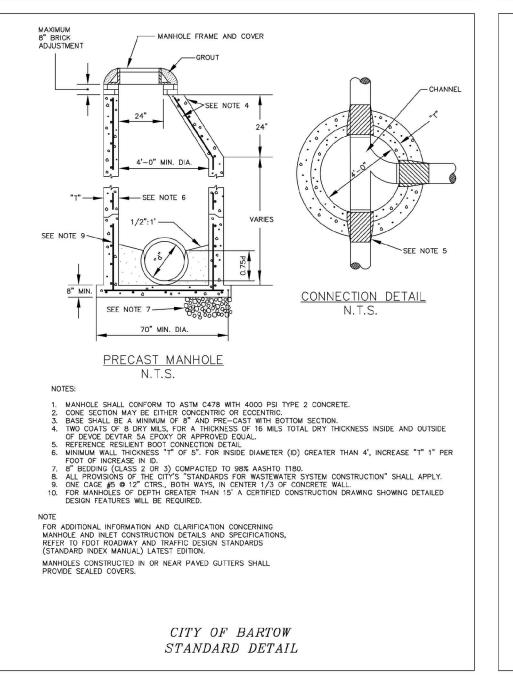


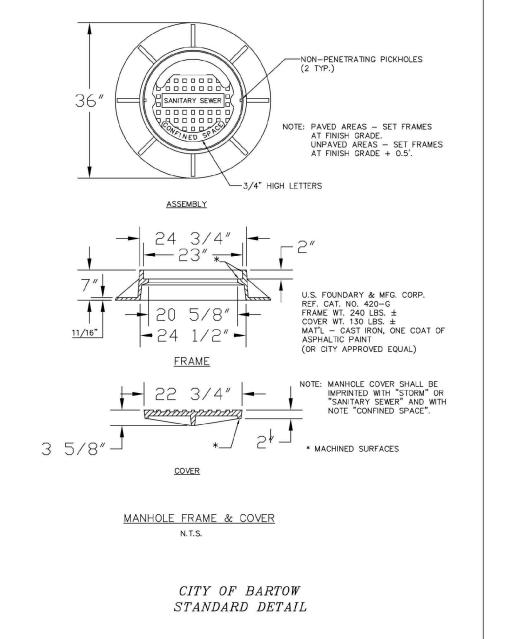


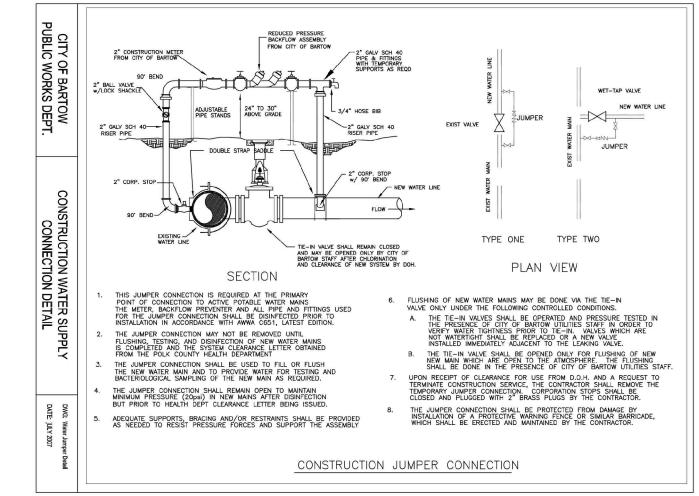


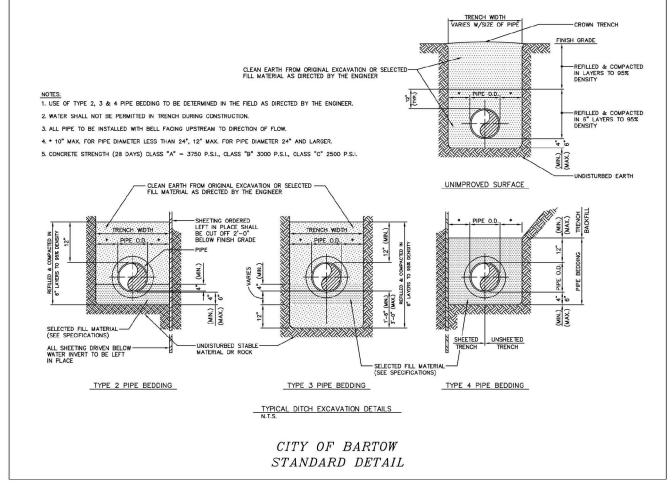


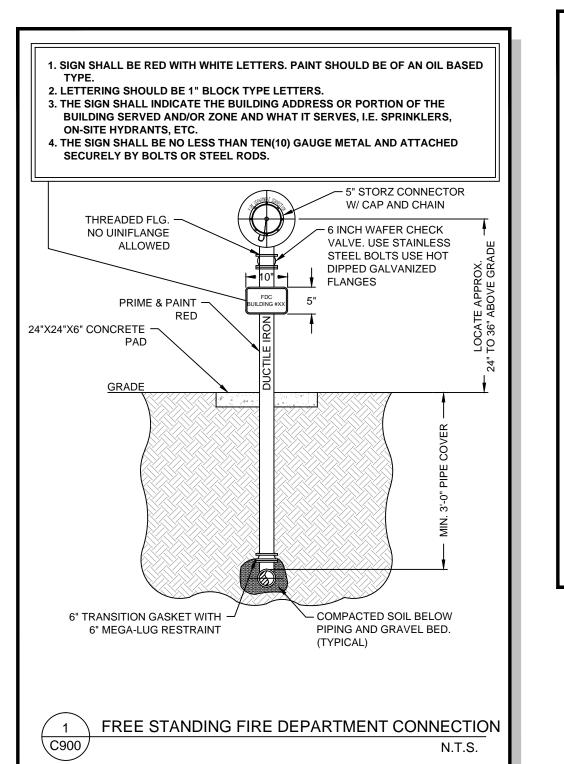


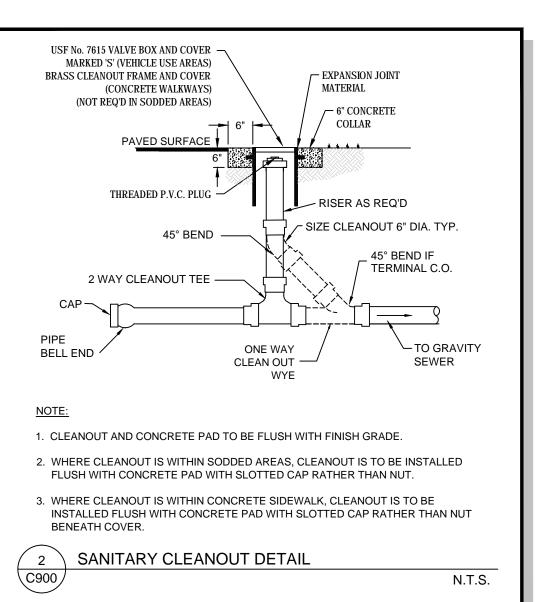


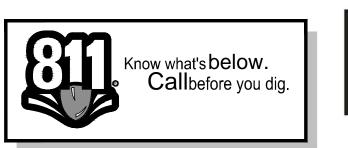














FILENAME: X:\PROJECTS\1009.08 — KCMH — Bartow High School\DRAWINGS\ENGINEERING\1009.08 — Base.dwg PLOTTED: Tuesday, March 6, 2018 8:55:50 AM PHASE III - CONSTRUCTION DOCUMEN

BARTOW HIGH SCHOOL

MASTER PLAN - PHASE |

Project No. C-00303

1270 South Broadway Avenue

REVISIONS

CONSTRUCTION

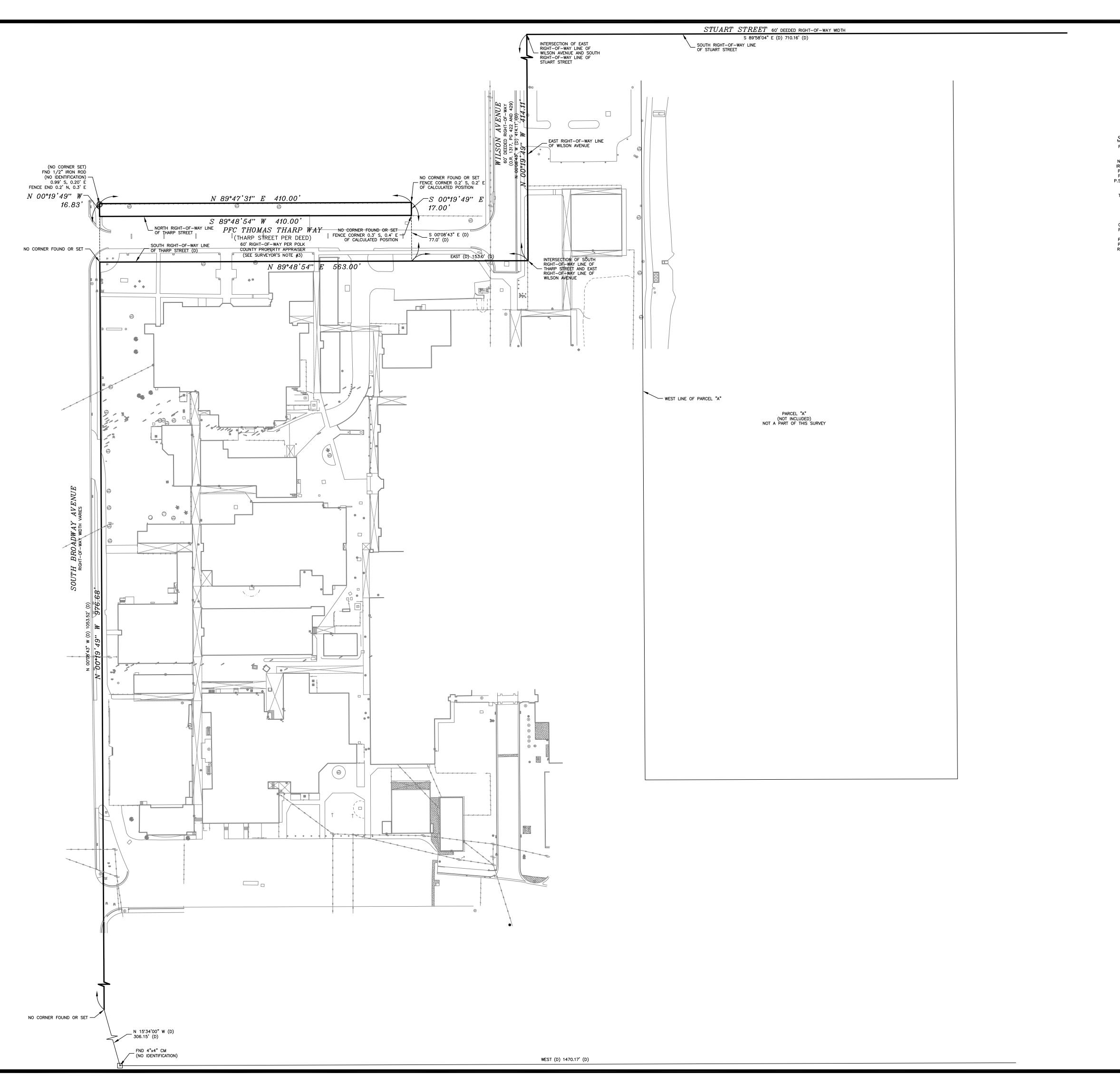
03/06/18

APPROVAL

11/30/17

REVIEW

09/28/17



Boundary and Topographic Survey

Section 08, Township 30 South, Range 25 East Polk County, Florida

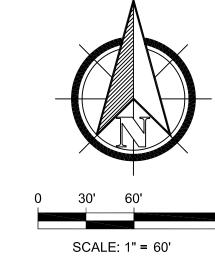
Survey Legend: FND FOUND CM □ CONCRETE MONUMENT IR (IRON ROD N&D (NAIL AND DISK IR&C IRON ROD AND CAP PRM PERMANENT REFERENCE MARKER
PCP PERMANENT CONTROL POINT P.S.M. PROFESSIONAL SURVEYOR & MAPPEI LICENSED BUSINESS ◆ BENCHMARK

■ TEMPORARY BENCHMARK

■ TEMPORARY BENCHMARK

■ TEMPORARY

■ TEMP FF + FINISHED FLOOR LOCATION CALCULATED DATA DEED DATA FIELD DATA PLAT DATA O.R. OFFICIAL RECORDS BOOK P.B. PLAT BOOK P.B. PLAT BOOK
PG PAGE(S)
POB POINT OF BEGINNING
POC POINT OF COMMENCEMENT
R/W RIGHT-OF-WAY



Description:

The Westerly and Northerly Lines of the following described parcel;

(Provided by previous Edwards—Panter Survey, see surveyor's note #15)

That part of the Northwest 1/4 of the Southwest 1/4 and that part of the Southwest 1/4 of the Southwest 1/4 and that port of the Southeast 1/4 of the Southwest 1/4 all being in Section 8, Township 30 South, Range 25 East, Polk County, Florida, and more fully described as follows: assuming the South line of the Northwest 1/4 of the Southwest 1/4 of Section 8, Township 30 South, Range 25 East to have a bearing of due East and West begin at the Southeast corner of the Northwest 1/4 of the Southwest 1/4 of said Section 8, run thence West along the South line thereof a distance of 780.89 feet to the West right- of-way line of Georgia Street and the point of beginning for this description; run thence S-00°08'43"-E along said Westerly right-of-way line a distance of 40.0 feet to the South right-of-way line of Georgia Street, run thence East and parallel with the South line of the Northwest 1/4 of the Southwest 1/4 of said Section 8, along said South right—of—way line a distance of 1017.99 feet, run thence S-00"14'33"-W a distance of 358.95 feet, run thence West and parallel with the north line of the Southwest 1/4 of the Southwest 1/4 of said Section 8 a distance of 1470.17 feet, run thence N-15°34'00"-W a distance of 306.15 feet, run thence N-00°08'43"-W a distance of 1053.52 feet, run thence N-89°58'37"-E a distance of 410.00 feet, run thence S-00°08'43"-E and parallel with the East right-of-way line of Willson Avenue a distance of 77.0 feet to the South right-of-way line of Tharp Street, run thence East along said right—of—way line a distance of 153.0 feet to the Intersection with the East right—of—way line of Wilson Avenue, run thence N—00°08'43"—W along said East right—of—way line a distance of 414.11 feet to the intersection with the South right-of-way line of Stuart Street, run thence $S-89^{\circ}58'04"-E$ and parallel with the North line of the Northwest 1/4 of the Southwest 1/4 of said Section 8, along said South right—of—way line a distance of 710.16 feet to the West right-of-way line of Jackson Avenue, run thence S-00°10'40"-E and parallel with the East line of the Northwest 1/4 of the Southwest 1/4 of said Section 8 along said right-of-way line a distance of 1121.31 feet to the beginning of a curve to the right, run thence Southwesterly along said curve having a radius of 125.0 feet through a central angle of 90°10'40" and arc distance of 196.74 feet to the end of said curve and being on the North right-of-way line of Georgia Street, run thence West and parallel with the South line of the Northwest 1/4 of the Southwest 1/4 of said Section 8, along said right-of-way line a distance of 615.47 feet to a point lying N-00°08'43"-W and a distance of 40.0 feet from the point of beginning, run thence S-0008'43"-E a distance of 40.0 feet

<u>Surveyor's Notes:</u>

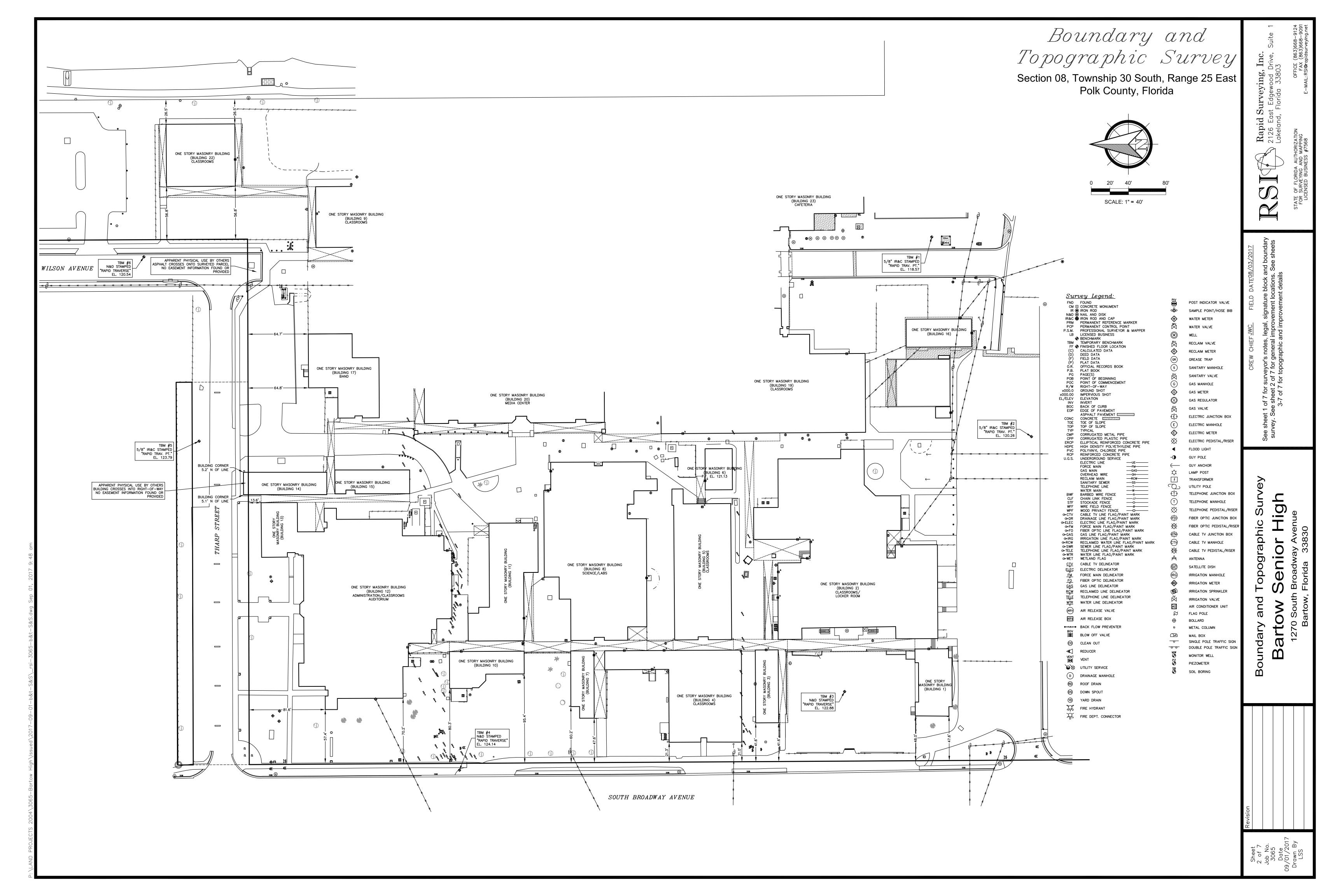
1. This Survey has been prepared without benefit of Title Commitment and is subject to any Dedications, Limitations, Restrictions, Reservations, Easements, Right-of-Ways, Agreements and/or other matters of record in Polk County, Florida, other than those shown hereon.

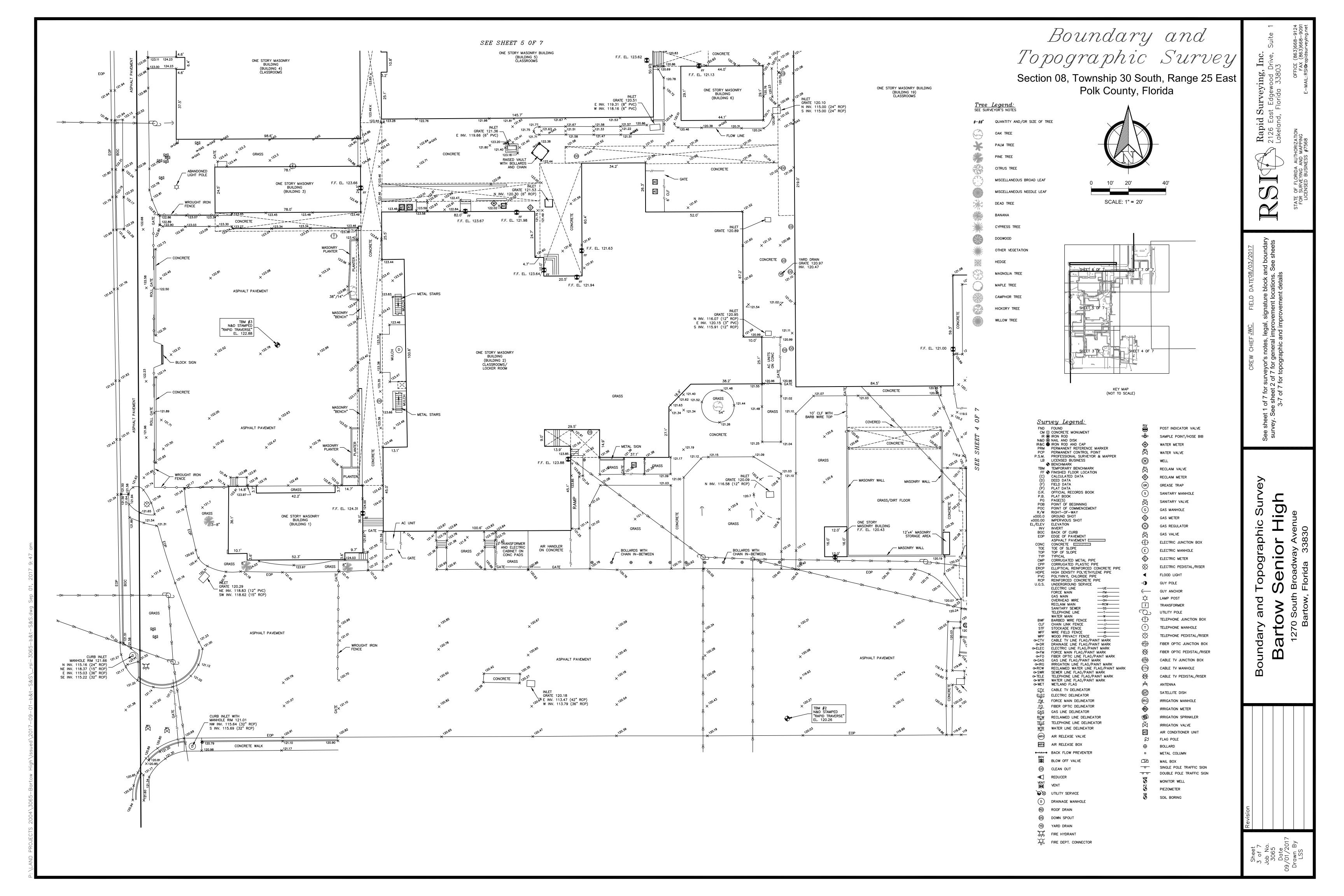
to the point of beginning LESS AND EXCEPT that parcel of land described as Parcel "A".

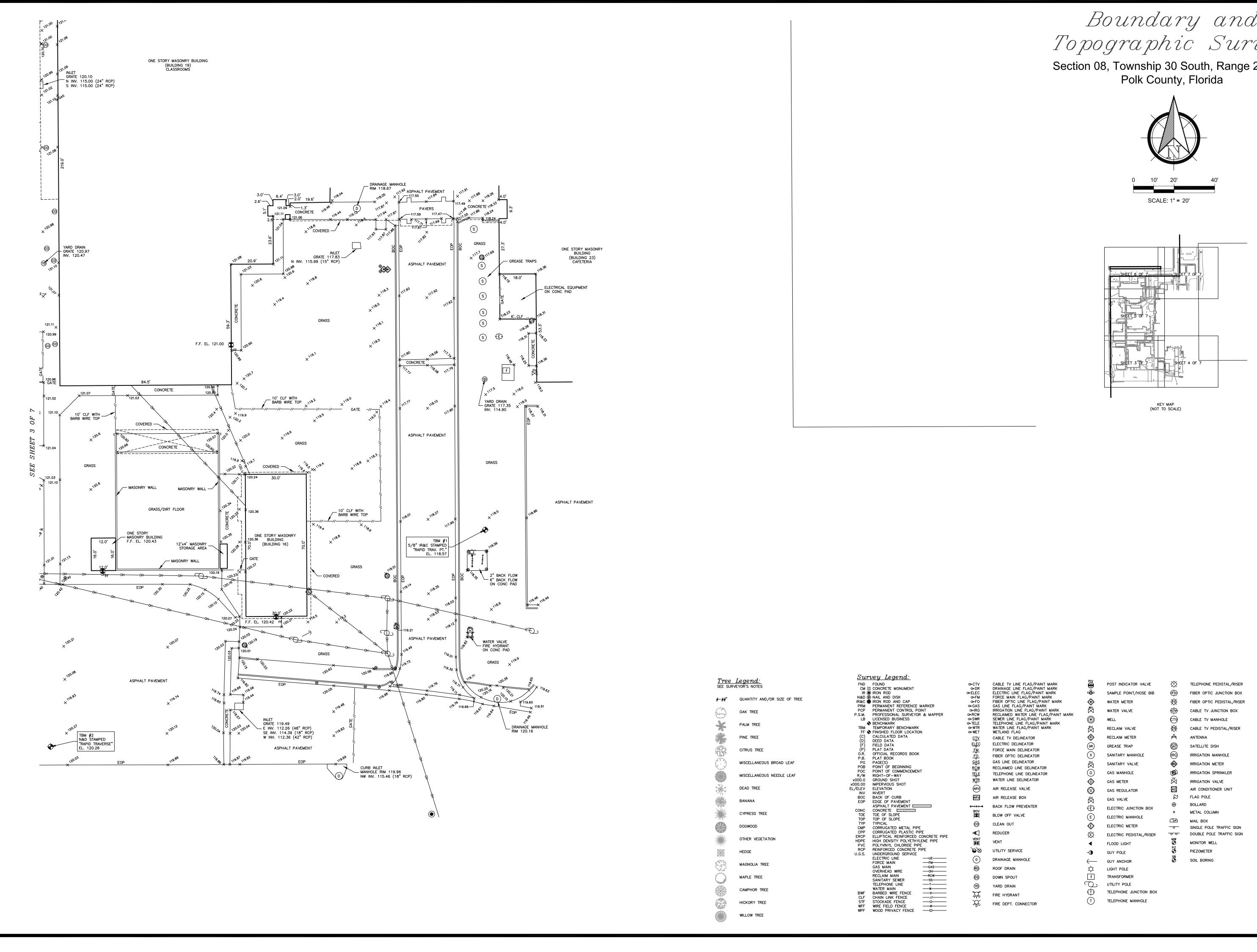
- 2. Bearings are based on the easterly right—of—way line of Broadway Avenue being assumed North 00°19'49" West.
- 3. The right—of—way shown for "PFC Thomas Tharp Way" (Tharp Street per deed) is 60 feet in width as shown by the Polk County Property Appraiser. The two recorded documents shown (Official Records Book 1317, Page 422 and Official Records Book 1317, Page 429) on the Property Appraiser records do not encompass the entire right—of—way.
- 4. Unless otherwise noted; bearings and distances shown hereon refer to field measurement.
- 5. The apparent physical use by others shown hereon is meant to draw attention to areas of possible concern. There may exist other areas of concern and physical use by others that are not readily apparent. A title search and subsequent title commitment may resolve those items listed as apparent physical use by others.
- 6. Surveyor does not determine fence ownership.
- 7. Any coordinates obtained from this survey or the associated AutoCAD drawing files are assumed unless otherwise noted. The signed and sealed copies of this survey will be the record drawing for this project.
- 8. Property shown hereon appears to be located in Flood Zone "X", per Flood Insurance Rate Map No. 12105C0515G, dated 12/22/2016. There may be map amendments or revisions that were filed after the effective date of the map that were not found or provided. This surveyor makes no guarantees as to the accuracy of the above information, local federal emergency management agency should be contacted for verification.
- 9. No underground utilities or underground encroachments were measured or located as part of this Survey. Utilities marked by others were located and shown if flagged or marked at
- 10. Only improvements deemed to be pertinent to the boundary as shown hereon are physically tied to the boundary. Internal fixed improvements such as, but not limited to buildings, are not tied to the boundary as they are not pertinent to the boundary requested by client.
- 11. Trees and shrubs were not located unless otherwise shown. Tree species as shown hereon are the opinion of the surveyor. Tree sizes are measured at breast height. Tree species should be verified by the appropriate professional.
- 12. See sheets 2 of 7 through 7 of 7 for full legend.
- 13. Grade percentage may vary from cross section to cross section and between field determined break point or grid lines. No certification of compliance to Americans with Disabilities Act (A.D.A.) is a part of this survey,
- 14. Vertical information shown hereon is referenced to NGVD 29 (National Geodetic Vertical Datum of 1929) and was based on National Geodetic Survey point "J 706", being a a standard stainless steel rod with NGS Cap stamped "J 706 2007", having a published elevation of 122.95 (NAVD 88) and a converted elevation of 123.85 (NGVD 29) using Corpscon v6.0.1, (conversion factor +0.90').
- 15. The legal description shown hereon represents the boundary for purposes of design and engineering and does not necessarily represent the boundary of the lands owned by the School Board of Polk County for Bartow High School due to inconsistencies in the researched deeds. A title search and review of historical deeds by the appropriate professionals will be needed to resolve the issues.

d ---

dar





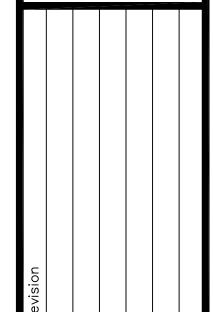


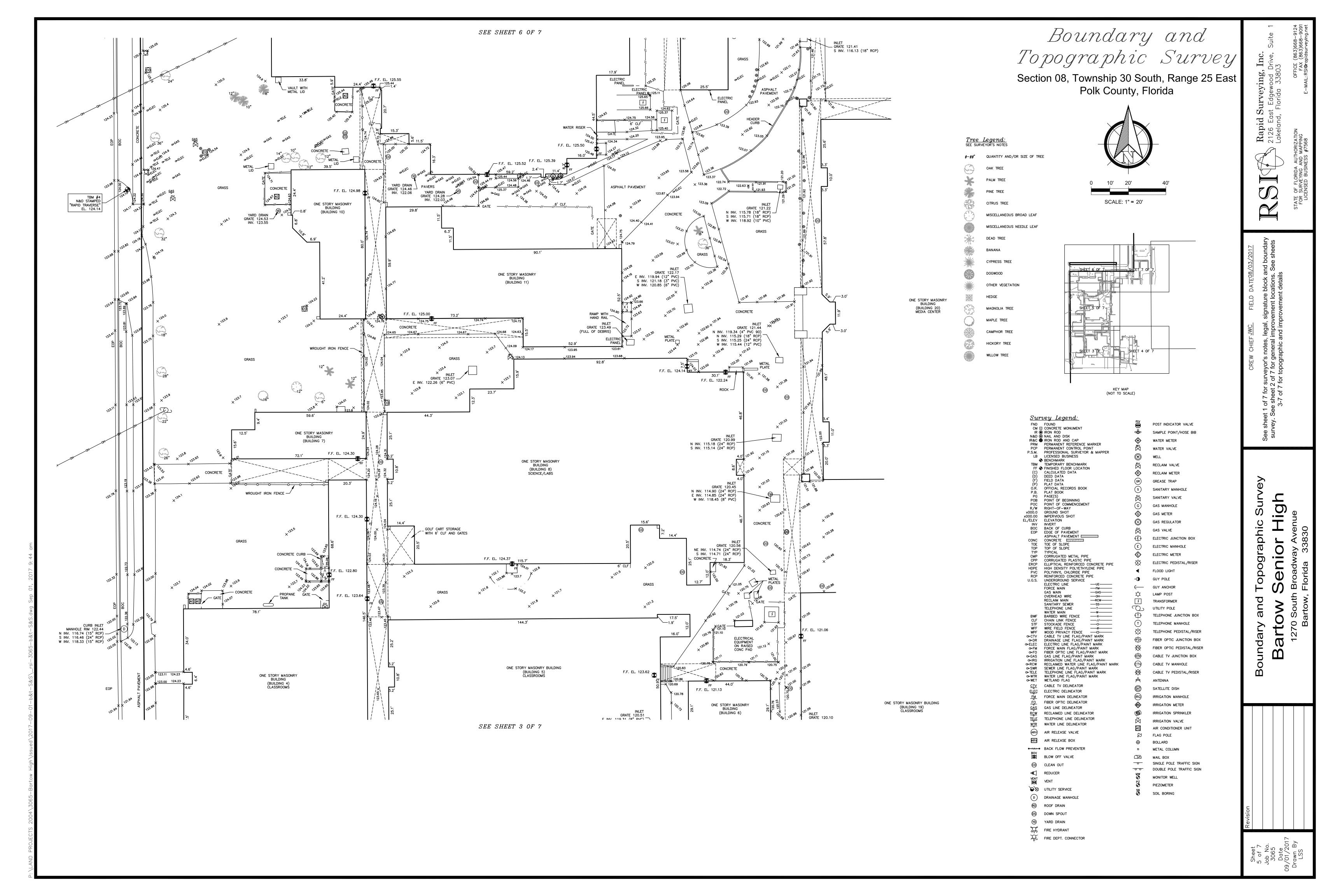
Boundary and Topographic Survey

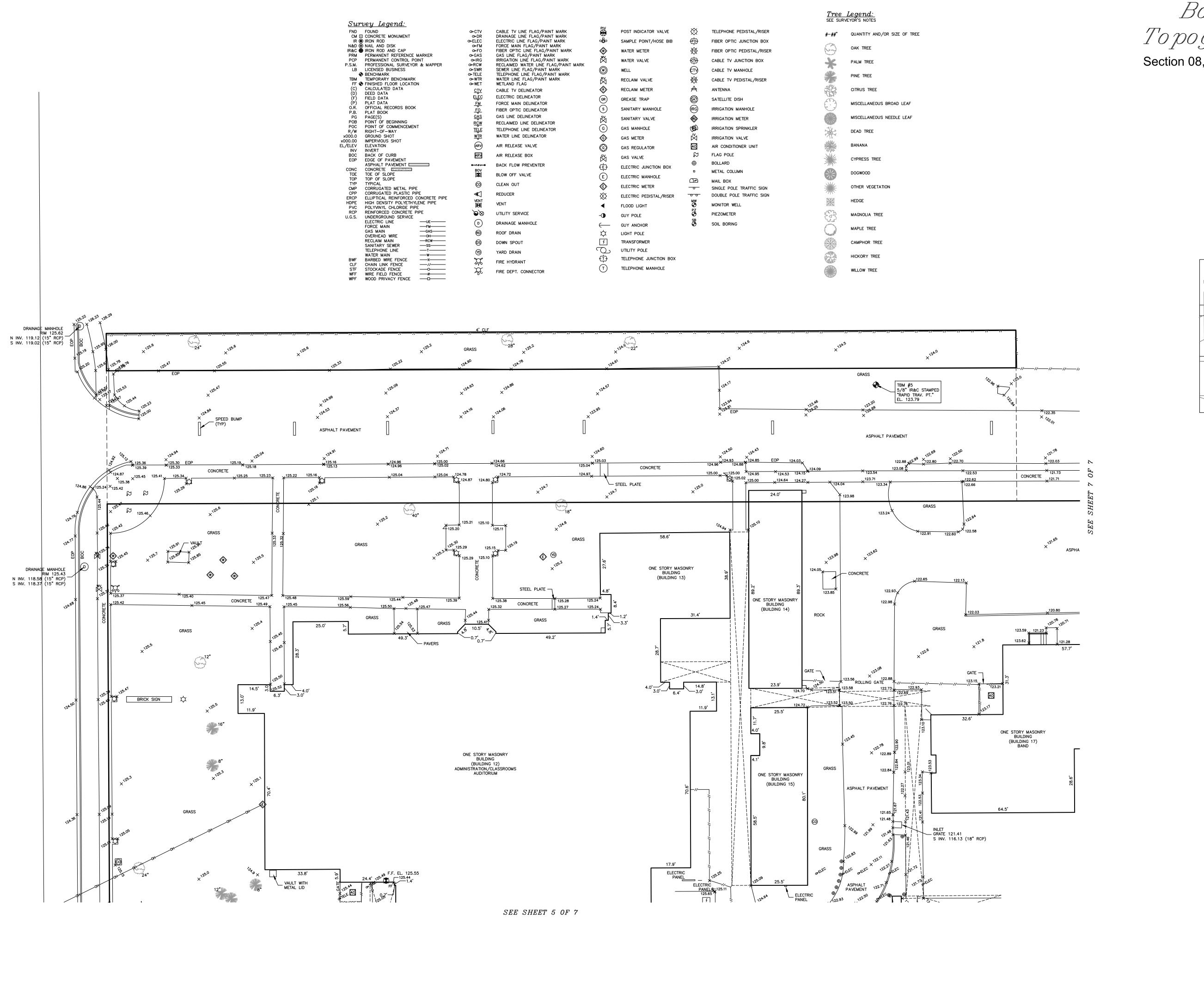
Section 08, Township 30 South, Range 25 East

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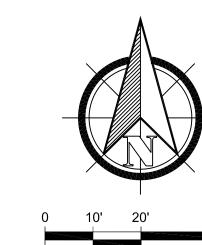




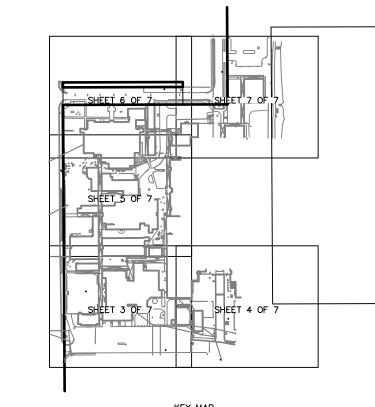


Boundary and Topographic Survey

Section 08, Township 30 South, Range 25 East Polk County, Florida



SCALE: 1" = 20'



(NOT TO SCALE)

CREW CHIEF JWC FIELD DATE08/03/2017 of 7 for surveyor's notes, legal, signature block and boundary sheet 2 of 7 for general improvement locations. See sheets

Rapid Surveying, Inc. 2126 East Edgewood Drive, Su Lakeland, Florida 33803

Boundary and Topographic Surve Bartow Senior High

Kevision

Job No. 3065 Date 09/01/2017 Drawn By LSS

