

Addendum #1
Old Kings Road Elementary School Renovations and Additions
December 30, 2009

Addendum #1, to Drawings and Specifications dated November 23, 2009, as prepared by **SchenkelShultz** Architecture, 101 East Town Place, Suite 800, St. Augustine, Florida 32092

This Addendum #1 shall hereby be and become a part of the Contract Documents the same as if originally bound thereto.

The following clarifications, amendments, additions, revisions, changes and modifications change the original Contract Documents only in the amount and to the extent hereinafter specified and set forth in this Addendum #1.

CHANGES TO PROJECT MANUAL

ITEM NO. 1.: Table of Contents

- A. Add Section: "07 95 14 Expansion Joint Cover Assemblies".
- B. Add Section: "10 21 23 Cubicle Curtains and Tracks".
- C. Add Section: "31 00 00 Building Earthwork".

ITEM NO. 2.: Section ITB – Invitation to Bid

- A. Revise square footage description of Work: 'approximately 2700 sq ft', to read: "...approximately 2377 Sq. Ft..."

ITEM NO. 3.: Section 05 41 00 Pre-Engineered, Pre-Fabricated Light Gauge Steel Roof Trusses

- A. Add to the list of approved manufacturers in paragraph 2.1 A.: "5. Metalite, Inc."

ITEM NO. 4.: Section 07 95 14 Expansion Joint Cover Assemblies

- A. Add Section 10 07 95 14 Expansion Joint Cover Assemblies, see attached Section 07 95 14.

ITEM NO. 5.: Section IT10 c14 00 Identifying Devices

- A. Revise Paragraph 2.2 B. 8. To read:
"Provide one each new Room Name and Number sign, as described in paragraph 2.2 B., for each room throughout the existing Administration offices and attached Classroom building for a total of 119 signs. Sign Names and Numbers as furnished by the Architect."

ITEM NO. 6.: Section 10 21 23 Cubicle Curtains and Tracks

- A. Add Section 10 21 23 Cubicle Curtains and Tracks, see attached Section 10 21 23.

ITEM NO. 7.: Section 10 73 26 Aluminum, Walkway Canopy

- A. Add to the list of approved manufacturers in paragraph 2.1 A.:
"5. Mason-Florida, LLC."
"6. Architectural Metal Systems".

ITEM NO. 8.: Section 26 41 13 Lightning Protection for Structures

- A. Add to the list of approved manufacturers in paragraph 2.1 A.: "6. Robbins Lightning, Inc."

ITEM NO. 9.: Section 31 00 00

- A. Add Section 31 00 00 Building Earthwork, see attached Section 31 00 00.

ITEM NO. 16.: Sheet AN100

- A. Revise Floor Plan note behind Reception Counter referencing corner guards to read: "Provide corner guards at all outside GWB corners; typ. for total of eight (8) corner guards."
- B. Delete all work at Courtyard entry wall including bollards, concrete footings, walks, masonry and doors N100V thru Z, entirely.
- C. Add aluminum canopy column concrete footings: 3' x 3' x 2' deep w/2 #5 rebar each way top and bottom. Typical for ten (10) footers.
- D. Add Finish Schedule, see attached Finish Schedule.
- E. Revise Clinic Room N100S note, 'Counter and cabinets, see details' to read: "Plastic Lam. Countertop and 4" backsplash over 36" wide Sink Base and 36" wide 6-drawer Base Cabinets. Countertop height at 2'-10" AFF. Two 36" wide x 24" tall x 14" deep two door Wall Cabinets, each with one adjustable shelf. Top at 7'-0" AFF.

ITEM NO. 17.: Sheet AN200

- A. Add to Toilet Accessory Schedule Item: "PC-1 - ADA Prefab. Shower Stall, Manufacturer: Kohler, Model; K-12100/12101-C. Set in depressed slab."
- B. Add to Toilet Accessory Schedule Item: "PS – Hot water supply and sink drain piping insulation cover, Manufacturer: IPS Corp., Model: Soft Guard Plus."
- C. Note the following Toilet Accessories are Not in Contract (Owner Furnished and Owner Installed); Contractor shall provide in-wall 26ga. zinc-coated sheet metal blocking as required:
 - 1. PTD, Paper Towel Dispensers
 - 2. SND-R, Sanitary Napkin Disposals
 - 3. SPMT, Soap Dispensers
 - 4. TPH, Toilet Paper Holders
- D. Add to Sections 17, 18 and 19: Indicate 4" Rubber Base at Reception Counter.

ITEM NO. 18.: Sheet AN320

- A. Delete doors N100V thru N100Z entirely.
- B. Delete Door Types 'G' and 'G2'.
- C. Delete Door Frame Type '3'.

ITEM NO. 19.: Sheet AN400

- A. Revise Ceiling Type in Clinic Restrooms N100J and N100K from 'B' to read: Type "C";
- B. Add a Gypsum Wallboard Header over prefabricated shower units in N100J and N100K.
- C. Revise ceiling height in Reception N100R from 10'-10" to read: 11'-0".

ITEM NO. 20.: Sheet AN600

- A. Delete 4/AN600 Elevation @ Gate Wall, entirely.
- B. Delete Courtyard entry wall portion of 1/AN600 West Elevation.

ITEM NO. 21.: Sheet AN700

- A. Delete 3/AN700 Section at Gate Wall, entirely.
- B. Revise ceiling height in Reception N100R from 10'-10" to read: 11'-0".
- C. Delete poche (dotted) area and heavy horizontal lines shown above ACT ceiling at bottom of trusses in 1/AN700 Section A.
- D. Revise Section 2/AN700 Section B note referencing corner guards to read: "Provide corner guards at all outside GWB corners; typ. for total of eight (8) corner guards."
- E. Revise Section 1/AN700 note 'Slope slab away from door' to read: "Concrete sidewalk – Not in Contract."

ITEM NO. 22.: Sheet AN711

- A. Revise Section 1/AN711 note 'Conc. Sidewalk' to read: "Concrete sidewalk – Not in Contract."

ITEM NO. 23.: Sheet P101

A. Relocate floor drain 'FD-A' in Mechanical Room 100U to 4'-0' southwest of new column location.

ITEM NO. 24.: Sheet E101

A. Revise Hex Note 16 shown at back of Reception Counter to read: Hex Note "6".

ITEM NO. 25.: Sheet E201

A. Add to General Notes: "7) Provide conduit stubbed up to above ceiling for data. Data cabling is Not in Contract (by Owner)."

ITEM NO. 26.: Sheet E301

A. Revise Hex Note 1 shown at exterior door to Mechanical Room 100U to read: Hex Note "5".

B. Delete five 'X2" exit light fixtures along with associated Courtyard wall.

C. Revise Detail 2/E301 to indicate vertical electrical conduit shall be installed inside canopy columns, not on exterior surface.

Attachments:

Specification Section 07 95 14

Specification Section 10 21 23

Specification Section 31 00 00

Finish Schedule

Civil drawing 3.0 Stormwater Management Plan

Civil drawing 4.0 Utility Plan (for Reference, only)

End of Addendum #1

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PART 1 - GENERAL

1.1 SUMMARY

- A. This Section includes expansion joint cover assemblies.

1.2 SUBMITTALS

- A. Product data for each type of expansion joint cover assembly specified, including manufacturer's product specifications, installation instructions, details of construction relative to materials, dimensions of individual components, profiles, and finishes.
- B. Shop drawings showing fabrication and installation of expansion joint cover assembly including plans, elevations, sections, details of components, joints, splices, and attachments to other units of Work.
- C. Samples for verification purposes in full-size units of each type of expansion joint cover assembly indicated; in sets for each finish, color, texture, and pattern specified, showing full range of variations expected in these characteristics.
 - 1. Install elastomeric material for joints samples to verify color selected.

1.3 QUALITY ASSURANCE

- A. Single-Source Responsibility: Obtain each expansion joint cover assemblies from a single manufacturer. Coordinate compatibility with expansion joint cover assemblies specified in other sections.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Products: Subject to compliance with requirements, provide the products specified as follows:
 - 1. C/S Group #GFS-100, floor-to-floor expansion joint cover assembly.
 - 2. C/S Group #FWF-100, wall to wall expansion joint cover assembly.
 - 3. C/S Group #FWFC-100, wall to wall corner expansion joint cover assembly.
 - 4. C/S Group #VF-100, exterior wall to wall expansion joint cover assembly.
- B. Products of the following manufacturers are also acceptable providing compliance with all specified requirements.
 - 1. Architectural Art Manufacturing, Inc., Wichita, Kansas.
 - 2. Balco Metalines, Wichita, Kansas.
 - 3. MM Systems Corporation, Tucker, Georgia.
 - 4. InPro Corp

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2.2 MATERIALS

- A. Aluminum: ASTM B 221, latest edition, alloy 6063-T5 for extrusions; ASTM B 209, latest edition, alloy 6061-T6, sheet and plate.
 - 1. Protect aluminum surfaces to be placed in contact with cementitious materials with a protective coating.
- B. Extruded Preformed Seals: Single or multicellular elastomeric profiles as classified under ASTM D 2000, latest edition, designed with or without continuous, longitudinal, internal baffles. Formed to fit compatible frames, in color indicated or, if not indicated, as selected by Architect from manufacturer's standard colors.
- C. Preformed Sealant: Manufacturer's standard elastomeric sealant complying with ASTM C 920, latest edition, use T, factory-formed and -bonded to metal frames or anchor members; in color indicated or, if not indicated, as selected by Architect from manufacturer's standard colors.
 - 1. Joints 2 Inches Wide and Less: Withstand plus or minus 35 percent movement of the joint width without failure.
- D. Accessories: Manufacturer's standard anchors, fasteners, set screws, spacers, flexible moisture barrier and filler materials, drain tubes, lubricants, adhesive, and other accessories compatible with material in contact, as indicated or required for complete installations.

2.3 EXPANSION JOINT COVER ASSEMBLIES

- A. General: Provide expansion joint cover assemblies of design, basic profile, materials, and operation indicated. Provide units comparable to those indicated or required to accommodate joint size, variations in adjacent surfaces, and dynamic structural movement without material degradation or fatigue when tested according to ASTM E 1399, latest edition. Furnish units in longest practicable lengths to minimize number of end joints. Provide hairline mitered corners where joint changes directions or abuts other materials. Include closure materials and transition pieces, tee-joints, corners, curbs, cross-connections, and other accessories as required to provide continuous joint cover assemblies.

2.4 METAL FINISHES

- A. General: Comply with NAAMM "Metal Finishes Manual" for finish designations and application recommendations, except as otherwise indicated. Apply finishes to products in factory after fabrication. Protect finishes on exposed surfaces before shipment.
- B. Aluminum Finishes: Finish designations prefixed by AA conform to the system established by the Aluminum Association for designating aluminum finishes.

PART 3 - EXECUTION

3.1 PREPARATION

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- A. Manufacturer's Instructions: In addition to requirements of these specifications, comply with manufacturer's instructions and recommendations for phases of Work, including preparing substrate, applying materials, and protecting installed units.
- B. Coordinate and furnish anchorages, setting drawings, templates, and instructions for installation of expansion joint cover assemblies to be embedded in or anchored to concrete or to have recesses formed into edges of concrete slab for later placement and grouting-in of frames.
- C. Fastening to In-Place Construction: Provide anchorage devices and fasteners where necessary to secure expansion joint cover assemblies to in-place construction, including threaded fasteners with drilled-in expansion shields for masonry and concrete where anchoring members are not embedded in concrete. Provide fasteners of metal, type, and size to suit type of construction indicated and provide for secure attachment of expansion joint cover assemblies.

3.2 INSTALLATION

- A. Cutting, Fitting, and Placement: Perform cutting, drilling, and fitting required to install expansion joint covers. Install joint cover assemblies in true alignment and proper relationship to expansion joints and adjoining finished surfaces measured from established lines and levels. Allow adequate free movement for thermal expansion and contraction of metal to avoid buckling. Set floor covers at elevations to be flush with adjacent finished floor materials. Locate wall, ceiling, roof, and soffit covers in continuous contact with adjacent surfaces. Securely attach in place with required accessories. Locate anchors at interval recommended by manufacturer, but not less than 3 inches from each end and not more than 24 inches on center.
- B. Continuity: Maintain continuity of expansion joint cover assemblies with a minimum number of end joints and align metal members mechanically using splice joints. Cut and fit ends to produce joints that will accommodate thermal expansion and contraction of metal to avoid buckling of frames. Adhere flexible filler materials (if any) to frames with adhesive or pressure-sensitive tape as recommended by manufacturer.
- C. Extruded Preformed Seals: Install seals complying with manufacturer's instructions and with minimum number of end joints. For straight sections provide preformed seals in continual lengths. Vulcanize or heat-weld field splice joints in preformed seal material to provide watertight joints using procedures recommended by manufacturer. Apply adhesive, epoxy, or lubricant-adhesive approved by manufacturer to both frame interfaces before installing preformed seal. Seal transitions according to manufacturer's instructions.
- D. Install in strict accordance with manufacturer's written installation instructions.

3.3 CLEANING AND PROTECTION

- A. Do not remove protective covering until finish work in adjacent areas is complete. When protective covering is removed, clean exposed metal surfaces to comply with manufacturer's instructions.

END OF SECTION 07 95 14

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SECTION 10 21 23 CUBICLE CURTAINS AND TRACKS

PART 1 – GENERAL

1.1 SUMMARY

- A. Work of this Section includes cubicle curtains and tracks as shown and/or indicated.

1.2 SUBMITTALS

- A. Shop Drawings: Submit shop drawings and installation instructions, including proposed accessories.
- B. Samples: Submit samples of the curtain cloth to the Architect for color selection.

1.3 DELIVERY, HANDLING, AND STORAGE

- A. General: Deliver, handle, and store units in strict accordance with manufacturer's written recommendations unless more restrictive requirements are herein indicated.
- B. Coordinate delivery to minimize storage time at Project site but not to delay progress of construction activities.
- C. Deliver units to Project site in manufacturer's labeled, unopened, protective packages with manufacturer's name and contents clearly legibly.
- D. Store units indoors in protected place that will prevent damage from ongoing construction until time of installation.

PART 2 – PRODUCTS

2.1 MANUFACTURER

- A. Basis of Design: General Cubicle Co., Inc., Cranford, NJ; www.generalcubicle.com.
- B. Other Manufacturers: Provided that their products meet or exceed performance requirements, products of the following may be used in work as indicated:
 - 1. Track:
 - a. Arco, A.R Nelson Co., Inc., Long Island City, NY; www.arnelson.com.
 - b. Beltor Manufacturer Co., Marlton, NJ
 - c. Imperial Fastener Co., Inc., Pompano Beach, FL;
www.imperialfastener.com.
 - 2. Curtains:
 - a. Imperial Fastener Co., Inc., Pompano Beach, FL;
www.imperialfastener.com.

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- b. Salisbury Industries, Los Angeles, CA; www.hospitalhardware.com.

2.2 MATERIALS

- A. Track: Curtain track shall be extruded, anodized aluminum box channel type, size 1-3/8 inch by 3/4 inch, slotted to receive 2 wheel roller bearing carriers.
1. Track shall be surface mounted with fastenings a minimum of 24 inches o.c. into supporting members.
 2. Corner bends to be formed on a 12 inch radius bent either 45 degrees or 90 degrees, as indicated on the Drawings.
 3. Provide end closures with removable sections.
 4. Where layout precludes one piece construction, an external, extruded aluminum connector with a finish to match the track shall be provided at each joint.
- B. Curtain Carriers: Shall be formed of rustproof wire and bead chain riding a nylon wheeled carrier.
1. Provide carriers computed on a basis of 2.2 carriers per foot of track.
- C. Curtains: Flameproof "Staph-Chek" nylon reinforced antibacterial vinyl material, self deodorizing, stain resistant, self sanitizing, and fluid-proof. Color to be selected by the Architect.
1. Curtains to be tailored with seams turned and sewn with interlocking stitches. Provide suitable reinforcement at stress points.
 2. Top 20 inch portion: Flame retardant #40 heavy open nylon mesh.
 3. Each curtain shall hang to within 15 inches of the floor and be 10 percent wider than its track is long.
 4. Curtain Heading: Triple thickness 2 inches wide, with nickel plated brass grommet holes for carriers 6 inches on center, double fold bottom hem 2 inches wide included lead weights. Lock stitch seams in two rows. Turn seam edges and lock stitch.
- D. Accessories:
1. Carriers: Manufacturer's standard stainless steel
 2. Wand: Aluminum hollow section, attached to lead carrier, for pull-to-close action.

PART 3 – EXECUTION

3.1 INSTALLATION

- A. Install units in strict accordance with manufacturer's written instructions and with approved shop drawings.

3.2 PROTECTION

- A. Protect material installed against scratches or other potential damages up until time of final acceptance of the building.

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- B. Defective and damaged work/materials shall be promptly replaced with new units that comply with indicated requirements as directed by the Architect and at no additional cost to the Owner.

END OF SECTION 10 21 23

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SECTION 31 00 00
BUILDING EARTHWORK

PART 1 – GENERAL

1.1 DESCRIPTION

- A. Provide earthwork, including clearing and grubbing, excavation, fill, backfill and compaction for building areas, shown on the drawings and specified as required to complete work.

1.2 QUALITY ASSURANCE

- A. Codes and Standards: Perform earthwork in compliance with applicable requirements of governing authorities having jurisdiction.
- B. Testing and Inspection Service: Contractor shall employ and pay an independent soil testing and inspection service to perform a soil survey for satisfactory soil materials, sampling and testing for quality control during earthwork operations.
- C. Test for Proposed Soil Materials:
 - 1. Test soil materials proposed for use in the work and promptly submit test result reports.
 - 2. Provide one optimum moisture-maximum density curve for each type of soil encountered in subgrade and fills under building foundations and slab areas. Determine maximum densities in accordance with ASTM D 1557, and ASTM D 4253, as applicable.
 - 3. For borrow materials, perform a mechanical analysis, AASHTO-T88 plasticity index, AASHTO T91; moisture-density curve, AASHTO-T180 or ASTM D 1557.

1.3 SUBMITTALS

- A. Test Reports: Submit two copies of the following reports to the Architect-Engineer:
 - 1. Test report on borrow material.
 - 2. Field density test reports.
 - 3. Optimum moisture-maximum density curve for each type of soil encountered.
- B. Submit Manufacturer's Literature for vibratory compaction equipment.

1.4 JOB CONDITIONS

- A. Protection: Protect structures, utilities, sidewalks, pavements, and other facilities from damages caused by settlement, lateral movement, undermining, washout and other hazards created by excavation operations. Should any uncharted utilities be found, notify the utility company and Architect-Engineer immediately and await instructions before proceeding further with work in that location.

PART 2 - PRODUCTS

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2.1 SOIL MATERIALS

- A. Fill and Backfill Materials: Clean, free-draining sand (max. 10% passing the 200 mesh sieve) free from organic materials.
- B. Excavated material conforming to requirements for fill and backfill material may be used for fill and backfill.
- C. Provide additional fill material from off-site when required to complete the work.

2.2 VIBRATORY COMPACTION EQUIPMENT

- A. Vibratory Roller: Vibratory roller shall not be used. Use mechanical hand tampers.
- B. Mechanical Hand Tampers: Hand tampers shall be capable of meeting the compaction requirements specified herein.

PART 3 – EXECUTION

3.1 CLEARING AND GRUBBING BUILDING AREAS

- A. Clear and grub the entire building area to at least 5 feet beyond perimeter of building footings and foundation, walks and slabs to remove stumps, roots, trees, vegetation, organic material and other obstructions to the work. Grub out all roots larger than ¼ inch in diameter, matted roots and other organic material to at least 24 inches below existing surface.

3.2 EXCAVATION

- A. Excavate to depths and dimensions required for footings, slabs and structures. Remove and dispose of all obstructions to the work that are encountered above and below grade during excavation operations. Removal and disposal includes the following:
 - 1. Stumps, roots, trees and other organic materials.
 - 2. Pavement, foundations, concrete, and other inorganic materials.
 - 3. Abandoned utilities and utilities indicated to be removed.
 - 4. Organic and other unsuitable soil materials.
- B. Stability of Excavations:
 - 1. Slope the sides of excavation to comply with local codes and ordinances having jurisdiction. Shore and brace where sloping is not possible either because of space restrictions or stability of material excavated. Maintain sides and slopes of excavations in a safe condition until completion of backfilling.
 - 2. Shoring and Bracing: Provide shoring and bracing to comply with local codes and authorities having jurisdiction.

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- C. Dewatering:
 - 1. Prevent surface water and subsurface or groundwater from flowing into excavations and flooding the project site and surrounding area.
 - 2. Do not allow water to accumulate in excavations. Provide dewatering system components necessary to convey the water away from excavations.

- D. Excavation for Structures:
 - 1. Conform to the elevations and dimensions shown on the drawings, with a tolerance of plus or minus 0.10 ft., and extending a sufficient distance from footings and foundations to permit placing and removal of concrete formwork, installation of services, other construction, and for inspection.
 - 2. In excavating for footings and foundations, take care not to disturb bottom of the excavation. Excavate by hand to final grade just before concrete reinforcement is placed. Trim bottoms to the required lines and grades to leave a solid base to receive concrete.
 - 3. Where bottom of footing occurs in fill material, the fill and compaction operations shall continue until a minimum grade of 12" above bottom of footing is obtained. Footings may then be placed by excavating in accordance with methods herein specified.
 - 4. Foundations shall be constructed as soon as possible after the foundation excavation to minimize damage to the bearing surface. If the bearing surface is softened by surface water intrusion or exposure, the softened soils must be removed immediately prior to placement of concrete. The bearing surface may be protected from extended exposure or imminent rainfall by placing a 2" mat of lean concrete on the bearing surface. Increase the foundation depth accordingly.

- E. Cold Weather Protection: Protect excavation bottoms against freezing when the atmospheric temperature is less than 35 degrees F.

3.3 COMPACTION REQUIREMENTS

- A. General: Compact and fill and backfill to the same density as adjacent in-place material.

- B. Compaction Under Slabs and Structures:
 - 1. All building areas shall be compacted and densified as specified herein. Any soft yielding areas shall be excavated and replaced with acceptable fill material. Fill shall be placed in lifts not exceeding 6 inches for mechanical hand tampers. Continue compaction until requirements specified herein are attained.

- C. Percentage of Maximum Density Requirements: Compact soils to not less than the following percentages of the Modified Proctor maximum dry density, ASTM D 1557.
 - 1. Existing Subgrades Under Structures: Compact subgrade 24 inches below existing grade to 95 percent maximum density at optimum moisture.
 - 2. Fill and Backfill Under Footings and Foundations: Compact each layer of fill or backfill to 98 percent maximum density at optimum moisture.
 - 3. Slabs: Compact top 12 inches of subgrade and each layer of fill or backfill to 95 percent maximum density at optimum moisture.

- D. Moisture Control:

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1. Where the subgrade or layer of soil material must be moisture conditioned before compaction, uniformly apply water to the surface or subgrade, or layer of soil material, to prevent free water appearing on the surface during subsequent to compaction operations.
 2. Remove and replace, dewater, or scarify and air dry soil material that is too wet to permit compaction to specified density.
- E. Backfilling Under Slabs and Structures:
1. Continue backfilling and compaction over entire building area to final elevation. Backfilling shall be in equal layers compatible with equipment used.

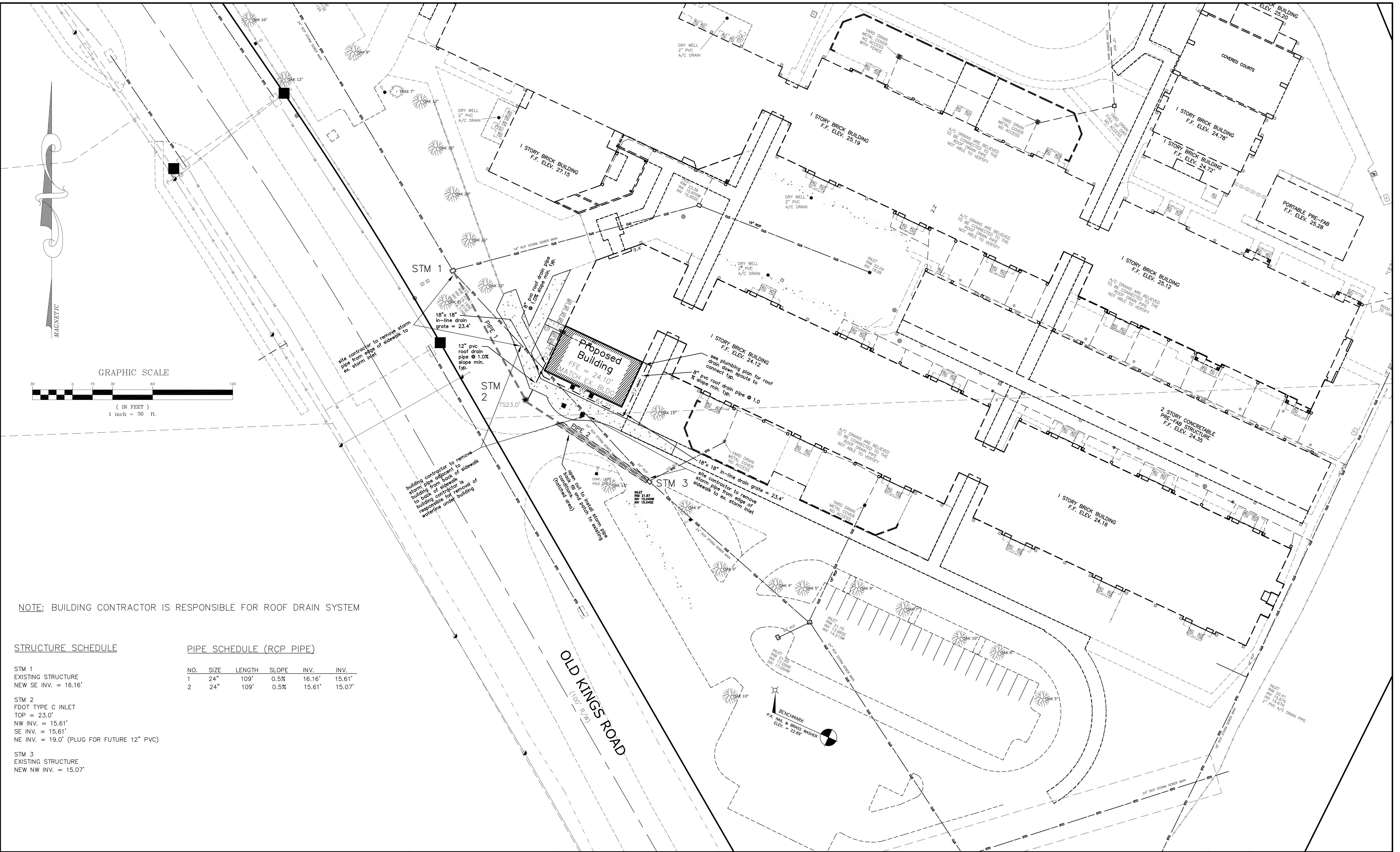
3.4 FIELD TESTING

- A. Number of tests:
1. Make one optimum moisture-maximum density curve test in accordance with ASTM D 1557 for each class of material.
 2. Make one in-place density test in accordance with ASTM D 1556, ASTM D 2937, or ASTM D 4253, as applicable. Test location shall be as follows: a) one location at center of new addition; b) one at each exterior wall footing for a total of three.
- B. Work on Tested Area: Placing permanent construction over fill that has not been tested and approved may require the Contractor to remove permanent work, recompact the fill and replace the work.
- C. Test Reports:
1. Two copies of test reports shall be transmitted directly from the laboratory to the Architect-Engineer as directed.
 2. Test reports shall be identified by the project title, A.E. File number, project location, and location and depth of each on-site test submitted.

END OF SECTION 31 00

Finish Schedule

Room Number	Room Name	Floor Finish	Base Finish	Wall Finish	Ceiling Finish	Comments	Area
N100G	Corridor	Carpet	RB	Paint	ACT		104 SF
N100H	Office	Carpet	RB	Paint	ACT	3 1/2 " sound batts in walls and above ceiling	127 SF
N100I	Office	Carpet	RB	Paint	ACT	3 1/2 " sound batts in walls and above ceiling	118 SF
N100J	B. Toilet	Tile	Tile	Paint/Tile	MRGNB		57 SF
N100K	G. Toilet	Tile	Tile	Paint/Tile	MRGNB		57 SF
N100L	M. Toilet	Tile	Tile	Paint/Tile	MRGNB		49 SF
N100M	F. Toilet	Tile	Tile	Paint/Tile	MRGNB		49 SF
N100N	Janitor	VCT	RB	Paint	MRGNB		24 SF
N100O	Conference	Carpet	RB	Paint	ACT	3 1/2 " sound batts in walls and above ceiling	168 SF
N100P	Registration Office	Carpet	RB	Paint	ACT	3 1/2 " sound batts in walls and above ceiling	106 SF
N100Q	Attendance Office	Carpet	RB	Paint	ACT	3 1/2 " sound batts in walls and above ceiling	102 SF
N100R	Reception	Carpet	RB	Paint	ACT/GNB		620 SF
N100S	Clinic	VCT	RB	Paint	ACT		413 SF
N100U	Mechanical	Concrete	No base	Paint	No ceiling		198 SF



NOTE: BUILDING CONTRACTOR IS RESPONSIBLE FOR ROOF DRAIN SYSTEM

STRUCTURE SCHEDULE

STM 1
EXISTING STRUCTURE
NEW SE INV. = 16.16'

STM 2
FDOT TYPE C INLET
TOP = 23.0'
NW INV. = 15.61'
SE INV. = 15.61'
NE INV. = 19.0' (PLUG FOR FUTURE 12" PVC)

STM 3
EXISTING STRUCTURE
NEW NW INV. = 15.07'

PIPE SCHEDULE (RCP PIPE)

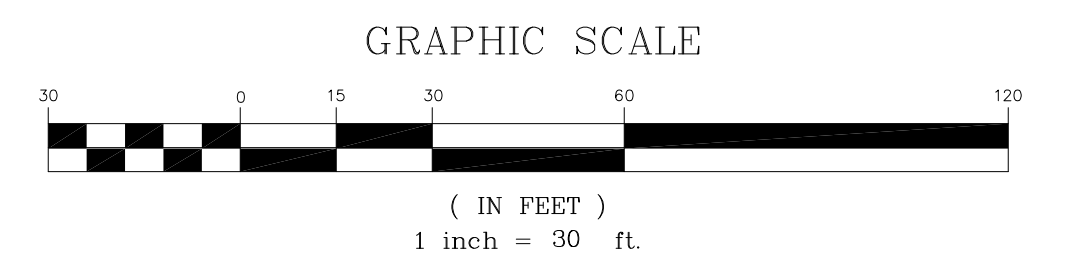
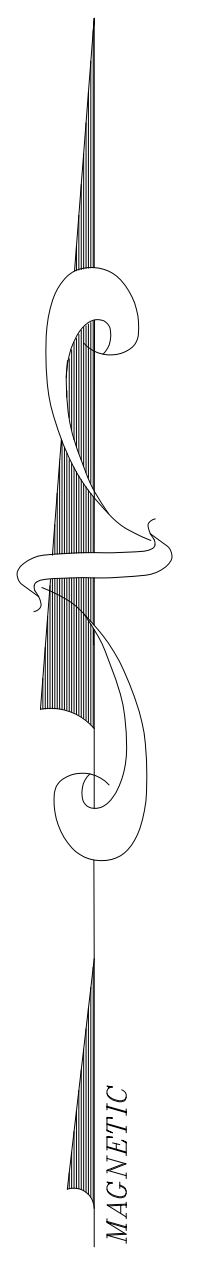
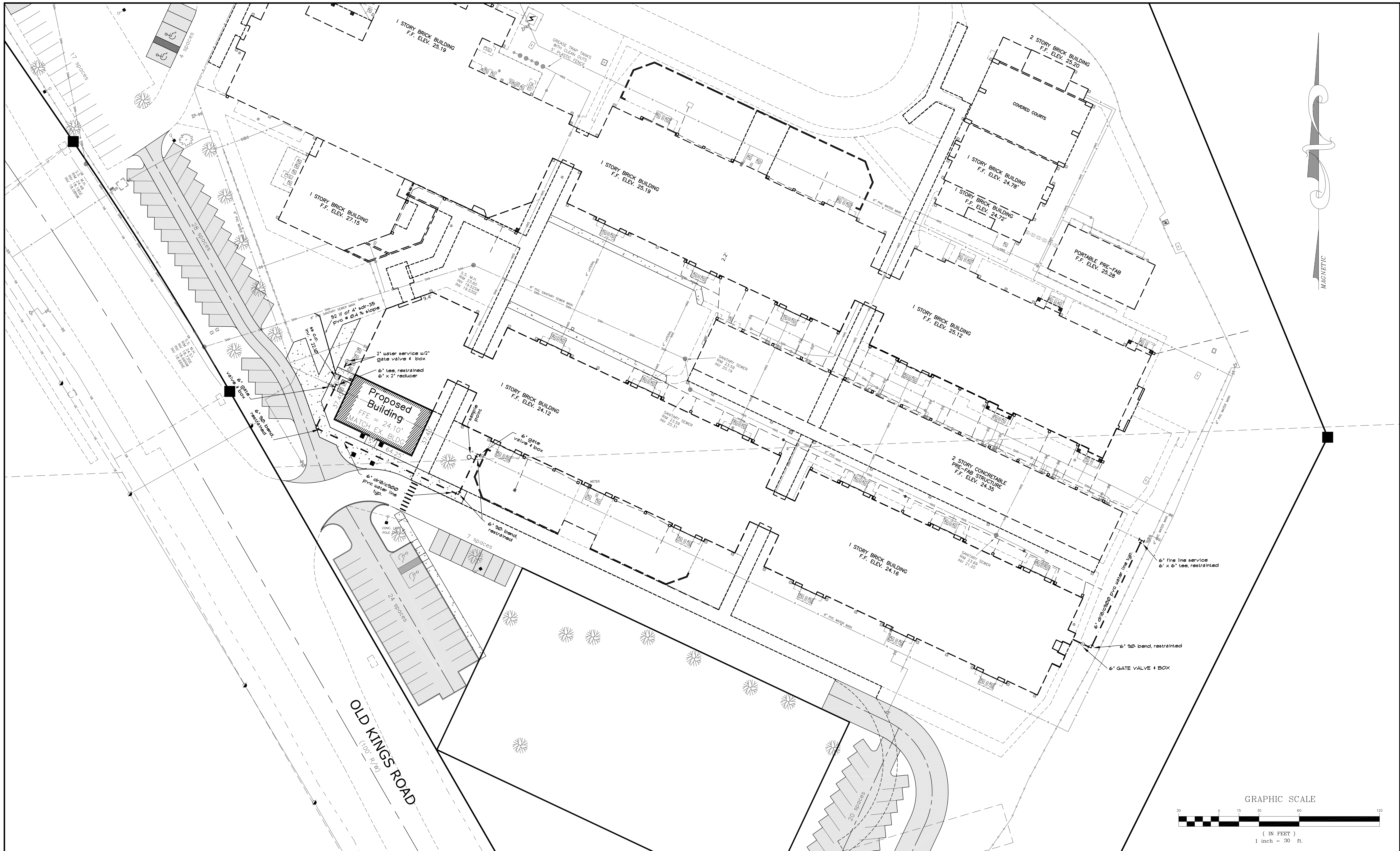
NO.	SIZE	LENGTH	SLOPE	INV.	INV.
1	24"	109'	0.5%	16.16'	15.61'
2	24"	109'	0.5%	15.61'	15.07'

Rev No	Description	Initials	Date

**FETNER ENGINEERING
ENGINEERING, PLANNING & DESIGN**
364 NORTH SR 21, HAWTHORNE, FLORIDA 32640
PHONE NO. (352) 481-4076 FAX. (352) 481-4821
CA: 26061

ICAD File Name: Project: **OLD KINGS ELEMENTARY SCHOOL Addition**
Project No: *
Sheet No: 3.0
Title: **STORMWATER MANAGEMENT PLAN**

Horz Scale: **1" = 30'**
Vert Scale: **N/A**
Date: **12/18/09**
Approved By: **Alison A. Fetner, PE 44669**



Rev No	Description	Initials	Date

Activity	Initials	Date
Designed By:	AAF	09/09
Drawn By:	SPL	09/09
Checked By:	AAF	09/09

**FETNER ENGINEERING
ENGINEERING, PLANNING & DESIGN**
 364 NORTH SR 21, HAWTHORNE, FLORIDA 32640
 PHONE NO. (352) 481-4076 FAX. (352) 481-4821
 CA: 26061

ICAD File Name:	Project:	OLD KINGS ELEMENTARY SCHOOL Addition
Project No:	Title:	UTILITY PLAN
Sheet No:	4.0	

Horiz Scale:	1" = 30'	Approved By:	Alison A. Fetner, PE 44669
Vert Scale:	N/A		
Date:	12/02/09		