

**Accury CyberKnife Vault Addition  
First Dayton Cancer Care  
Kettering, Ohio**

**Addendum #2**  
August 12, 2011

**NOTE:**

**Each bidding contractor shall acknowledge receipt of this addendum in the Bid Form included in the Instructions To Bidders dated July 27, 2011.**

**Addendum #2 follows:**

The following items are to be incorporated in the contract documents:

**Instructions To Bidders:**

1. A copy of the **Pre-Bid Meeting Minutes** is attached hereto and is made a part of the contract documents.

**Specifications:**

2. **Refer to Section 02 20 00 Earthwork.** Paragraph 3.01.H. shall read "Disposal: Excess excavated material, soil, rock, trash & debris shall be removed from site." Delete Item 1.
3. **Refer to Section 02 34 00 Erosion Control.** Paragraph 1.02.A shall read "Erosion control for disturbed area at construction entrance to work site."
4. **Refer to Section 04 81 00 Brick Masonry.** Paragraph 1.01.A shall read "Brick and mortar shall match existing brickwork." Brick is understood to be Glen-Gary "Rosewood". Bidders are to confirm with manufacturer.
5. **Refer to Section 04 81 00 Brick Masonry.** Paragraph 2.03.A Masonry Veneer Anchors shall read:
  - a. Galvanized dovetail anchors for cast-in-place concrete walls.
  - b. Flexible galvanized 2-piece anchors consisting of trapezoidal-shaped wire tie and 12 gauge  $\frac{3}{4}$ " wide x 9" long strap formed with  $\frac{3}{8}$ " offset and screw holes top and bottom for stainless steel screw attachment to studs. Size tie to extend within  $\frac{3}{4}$ " of face of masonry veneer.
6. **Refer to Section 04 81 00 Brick Masonry.** Paragraph 3.04.A.1 shall read "Anchor brick veneer to concrete and stud walls with anchors specified....".
7. **Refer to Section 06 10 00 Rough Carpentry.** Add paragraph 1.00 Work Included, A. Roof and Wall Framing, B. Blocking.

8. **Refer to Section 06 40 23 Architectural Woodwork.** Solid surface countertops are to be 3/8" thick in lieu of 3/4". Laminate for 3/4" thickness at exposed edge at under-mount sink.
9. **Refer to Section 07 10 23 Bituminous Dampproofing.** Spray-on type bituminous dampproofing shall be applied to concrete vault walls in lieu of that specified.
10. **Refer to Section 07 20 00 Insulation.** Add Roxul to approved manufacturers of Mineral Fiber Sound Attenuation Insulation.
11. **Refer to Section 07 24 00 Exterior Insulation Finish System.** Use revised Spec Section 07 24 00 (attached) in lieu of section in spec book.
12. **Refer to Section 07 52 00 Modified Bituminous Roofing.** Use single-ply EPDM roofing in lieu of Modified Bituminous Roofing specified. Install per manufacturers specifications.
13. **Refer to Section 07 61 13 Metal Roofing.** Add Metal Panel Systems, Inc. to list of approved manufacturers. New metal roofing is to match existing metal roofing. Existing metal roof is Metal Panel Systems MP175, Sierra Tan color.
14. **Refer to Section 09 65 00 Resilient Flooring.** Delete reference to Chemotherapy suite in section 3.05. Sheet linoleum seams are to be chemically seamed.
15. **Refer to Section 32 90 00 Planting.** Add specification attached.

**Drawings:**

16. **Refer to Sheet A6.0.** Add forming for a vertical 6" x 24" x 8'-6" void space in the concrete wall adjacent to the shielded door frame (strike side).
17. **Refer to Sheet S2.1.** West concrete wall thickness is revised to be 5'-1" thick.
18. **Refer to Sheet E4.0.** Add one (1) exterior GFI duplex outlet on west wall of new addition.
19. **Refer to Drawing E4.0.** Telephone and data cabling is to be provided and installed by Contractor:
  - a. Provide and install four (4) CAT 6 data cables from five (5) new data ports shown to existing computer rack. Provide and install quad outlet. Connection at rack by others.
  - b. Provide and install one (1) CAT 6 cable from two (2) wall phone locations to phone board in existing Electrical Room. Connection at rack by others.
  - c. Provide and install six (6) CAT 6 cables from one data port in CyberKnife Equipment Room to Existing Dosimetry Room. Provide & install one (1) hex outlet in each room.
20. **Refer to Drawing E4.0.** Contractor shall install CCTV cameras (4 ea required), 22" flat screen monitor, multiplexer/splitter/controller, power source and cable provided by others (VFCl).\
21. **Refer to Drawing E4.0.** Contractor shall install integrated intercom equipment system provided by others (VFCl) consisting of:
  - a. Intercom microphone at control desk
  - b. Amplifier
  - c. Recessed wall speaker w/ volume control
  - d. Monitor speaker at control desk

- e. Wireless receiver/transmitter
- f. Cables & connectors

22. **Refer to Drawing E5.0.** Contractor shall install Radiation Detection (RD) devices (plug-in type) and cable shown on plans and provided by others (VFCI).
23. **Refer to Drawing P1.0.** Sprinkler system is to include sprinklers in the attic space.
24. **Refer to Existing First Floor and Attic Sprinkler Plans** (attached) for existing sprinkler piping layout, sizes, etc. Hydraulic calculations for existing system are available for assistance in preparing new calculations.

**End of Addendum #2**

**Memphis, TN Accuray CyberKnife Vault Addition  
 First Dayton Cancer Care  
 Kettering, Ohio**

**Pre-Bid Meeting Minutes  
 August 11, 2010**

Participants:

Jeff Endslow.....	Elford Construction.....	<a href="mailto:jendslow@elford.com">jendslow@elford.com</a>
Lee Winters.....	KSE.....	<a href="mailto:lee1kse@hotmail.com">lee1kse@hotmail.com</a>
Alan Mansfield.....	RL Fender.....	<a href="mailto:amansfield@rlfender.com">amansfield@rlfender.com</a>
Josh Clements.....	ESI Electrical.....	<a href="mailto:jcllements@esielectrical.com">jcllements@esielectrical.com</a>
Dean Howerton.....	Howerton Plumbing.....	<a href="mailto:deanhowerton@sbcglobal.net">deanhowerton@sbcglobal.net</a>
Aaron Taylor.....	Carey Electric.....	<a href="mailto:Aaron@careyelectric.com">Aaron@careyelectric.com</a>
Joe French.....	Danis Building.....	<a href="mailto:Joe.French@danis.com">Joe.French@danis.com</a>
Rick Bougman.....	Osterfold Champion.....	<a href="mailto:rbougman@osterfold.us">rbougman@osterfold.us</a>
Ken Renaad.....	Craynon Fire Protection.....	<a href="mailto:Ken@craynonfireprotection.com">Ken@craynonfireprotection.com</a>
Gayle Brubaker.....	Sarver Plumbing.....	<a href="mailto:geb.sarver@juno.com">geb.sarver@juno.com</a>
Bill Merrell.....	A Brown & Son Nursery.....	<a href="mailto:landscaping@brownsnursery.com">landscaping@brownsnursery.com</a>
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Items Discussed:

1. **architection** was introduced as the Design-Builder for the project. **architection** will contract with the successful bidder directly.
2. Bids are to be received in **architection's** office Tuesday 8/16/11 by 2:00 EDT. Fax or email are acceptable.
3. Performance and Payment Bond is to be quoted as an alternate bid as shown on the bid form.
4. Bid documents were reviewed. Bid package booklet contains critical information related to schedule, scope clarifications, etc. All bidders are to familiarize themselves with this document. Other items discussed include:
  - a. Site grading will be field coordinated for positive drainage.
  - b. Vault wall concrete density is to be 150pcf.
  - c. Concrete formwork and shoring shop drawings are to be stamped by a licensed professional engineer.
  - d. Brick and mortar are to match existing building.
  - e. Metal roofing is to match existing building.
  - f. Existing irrigation system is to be modified as necessary to extend around new building addition.
  - g. Availability of 3-ton ductless split AC unit needs to be confirmed.

5. Proposed schedule was reviewed. Time is of the essence of this contract. A Letter of Intent to issue a contract is to be issued by Friday 8/19. The Pre-Construction Conference is to be held Monday 8/22. Substantial completion for the CyberKnife equipment installation is critical to the successful performance of the work and is required by 12/12/11.
6. Space for contractor staging area, portable toilet, job trailer is available in the lot adjacent to the Cancer Center. Access to the construction site shall be from the adjacent lot. Contractor is responsible for all site silt/dust control measures typically required by local authorities. No construction traffic will be allowed in the existing parking lot. Construction parking is to be coordinated so as not to interfere with center and neighbors operations.
7. Contractor will be responsible for temporary dust/sound barricades w/ mineral wool sound insulation required to separate the work from the existing treatment center.
8. Infection control is critical to the project. Contractor is responsible for site work dust control as well as ICRA issues inside the building. Dust barriers, sticky mats, etc. are to be used.
9. Contractor is to be responsible for obtaining and paying for building permit and all normal inspections. Special Inspections, including soils, foundations, concrete, etc. are to be coordinated by contractor and paid for by owner.
10. The Design-Builder and Owner will be furnishing certain equipment, including the following. Coordinate as shown on the drawings and Instruction to Bidders, etc. See Instructions To Bidders, Equipment Plan, addenda, etc., for coordination responsibilities.
  - Accuray CyberKnife (VFVI)
  - Lasers (OFCI)
  - CCTV (OFCI)
  - Intercom (OFCI)
  - Radiation detection (OFCI)
11. The shielded vault door is to be provided by others. See Instructions To Bidders.
12. Treatments in the adjacent cancer center will be ongoing during the project. Contractor will take all measures necessary to prevent interruption of treatment operations.
13. The plans have been submitted to the city. Approvals are anticipated by the schedule start date.
14. The project site, including interior and exterior is to be restored to pre-construction condition. Contractor is to adequately document existing conditions. Damage to existing Cancer center lawn is to be repaired and sodded. The adjacent lot is to be repaired and seeded.
15. Shop drawings submittals are required for all materials to be used on the project.
16. Close out documents, consisting of as-built red line drawings and 3 copies of operation and maintenance documents are to be provided upon completion of the work.

**END OF MINUTES**

**SECTION 07 24 00 – EXTERIOR INSULATION FINISH SYSTEM (E.I.F.S.)****PART 1 – GENERAL****1.01 WORK INCLUDED**

- A. Install new soffits to match and align with existing EIFS soffits.

**1.02 SYSTEM DESCRIPTION**

- A. Base coat, reinforcing mesh and finish coat components of EIFS system, applied over ½” cement board and soffits.

**1.03 DESIGN REQUIREMENTS**

- A. Terminations: The EIFS finish system shall be held back from adjoining materials a minimum of ½” for sealant application.
- B. Sealants shall be compatible with the System materials. Refer to manufacturer’s listing of sealants tested by sealant manufacturer for compatibility.
- C. Flashing shall be provided at all roof-wall intersections and other areas as necessary to prevent water from getting behind the EIFS finish system.

**1.04 QUALITY ASSURANCE**

- A. Qualifications: Installer shall be an authorized installation contractor, trained by the EIFS system manufacturer.
- B. Certification: System shall be recognized for the intended use by the applicable building code(s).

**1.05 DELIVERY, STORAGE AND HANDLING**

- A. Deliver all materials in original unopened packages with labels intact.
- B. Store all materials protected from weather and at temperatures not less than 40° F (4° C). Protect all products from weather and direct sunlight.

**1.06 PROJECT CONDITIONS**

- A. Ambient air temperature shall be 40° F (4° C) or greater and rising at the time of installation of the EIFS System and shall remain at 40° F (4° C) or greater for at least 24 hours after application.
- B. Application of materials shall not take place during inclement weather unless appropriate protection is provided. Protect materials from inclement weather until they are dry.

**1.07 WARRANTY**

- A. Provide 10-year limited warranty against defective material.

**PART 2 – PRODUCTS****2.01 GENERAL**

- A. All components of the EIFS System shall be obtained from the system manufacturer or its authorized Distributors. No substitutions of, or additions of, other materials shall be submitted without prior written permission from the manufacturer.

**2.02 MATERIALS**

- A. Primer/Adhesive: A 100% acrylic-based product approved by the manufacturer.
- B. Reinforcing Meshes: A balanced, open weave, treated glass fiber mesh supplied by the manufacturer.
- C. Mesh: A balanced, treated, heavy glass fiber mesh supplied by the manufacturer.
- D. Base Coat: Field mixed, fiber reinforced polymer based cementitious material; Genesis or Genesis DM, compatible with the reinforcing mesh.
- E. Finish: Dryvit “Limestone” finish; 100% acrylic-based coating; color to match existing soffit color.
- F. Cement: Type I, I-II or II Portland Cement meeting ASTM C 150.
- G. Water: Shall be clean and potable.
- H. Sealant System: Tremco “Dymeric” with Primer #1 or Pecora “Dynatrol II” with Primer P75 or Sonneborn “Sonolastic NP11” with Primer #733 or products Research & Chemical Corporation PRC Rubber Caulk 350 with Primer #17. Consult detailed sealant specification for complete information.

**PART 3 – EXECUTION****3.01 INSPECTION**

- A. Prior to application of EIFS finish system the substrate shall be examined for compliance with the contract documents and manufacturer’s specifications. The General Contractor and Architect shall be advised of all discrepancies. Work shall not proceed until unsatisfactory conditions are corrected.

**3.02 SURFACE PREPARATION**

- A. Concrete shall have cured a minimum of 28 days prior to application of finish system. If efflorescence, form release agents or curing compounds are present on the concrete surface, the surface shall be thoroughly washed with muratic acid and flushed to remove residual acid.
- B. All projections shall be removed and small voids filled with Dryvit Primus, Primus DM, Genesis or Genesis DM mixture.
- C. Install reinforced base coat as recommended by EIFS finish system manufacturer. Reinforced base coat surface must be smooth and free of trowel marks. Allow reinforced base coat to dry and cure a minimum 24 hours before application of Color Prime.
- D. Dryvit Color Prime shall be applied to the reinforced base coat using a roller or brush prior to application of the "Limestone" finish.

**3.03 FINISH INSTALLATION**

- A. The finish system shall be installed in accordance with the manufacturers application instructions.
- B. Apply and level a coat of Limestone finish to a uniform tight thickness, using a stainless steel trowel. Allow first coat to dry to the touch. Apply a second coat similar to the first. Float the finish lightly with a Lexan plastic float. After the finish has taken up slightly, trowel again with either a stainless steel trowel or Lexan plastic float. Use the same final trowelling tool and hand motion over the entire wall.

**3.04 FIELD QUALITY CONTROL**

- A. Manufacturer's approved installer shall be responsible for the proper application of the EIFS materials.

**3.05 CLEANING**

- A. All excess materials shall be removed from the job site by the installer.

**3.06 PROTECTION**

- A. The system shall be protected from weather and other damage until permanent protection is installed in the form of flashings, sealants, etc.

**END OF SECTION 07 24 00**

**SECTION 32 90 00 – PLANTING****PART 1 - GENERAL****1.01 SECTION INCLUDES**

- A. Preparation and excavation of planting beds.
- B. Planting trees and shrubs.
- C. Sodding of all areas disturbed by construction within five feet of the building.
- D. Seeding all areas disturbed by construction that are not otherwise shown to be sodded or landscaped.

**1.02 PROJECT CONDITIONS**

- A. Work must be carried out only during weather conditions favorable to landscape construction and to health and welfare of plants. Owner shall determine suitability of such weather conditions.

**PART 2 - PRODUCTS****2.01 PLANT MATERIALS**

As shown on Planting Schedule.

**2.02 TOPSOIL**

- A. Natural, friable, fertile, fine loamy soil possessing characteristics of representative topsoil in the vicinity that produces heavy growth.
- B. Topsoil, pH range of 5.5 to 7.4 percent organic material minimum, free from subsoil, objectionable weeds, litter, sods, stiff clay, stones larger than 1-inch in diameter, stumps, roots, trash, toxic substances, or any other material which may be harmful to plant growth or hinder planting operations.
- C. Verify amount stockpiled if any, and supply additional as needed from naturally well-drained sites where topsoil occurs at least 4 inches deep; do not obtain topsoil from bogs or marshes.

**2.03 FERTILIZER**

- A. Deliver fertilizer, mixed as specified, in original unopened standard size bags showing weight, analysis and name of manufacturer. Containers shall bear manufacturer's guaranteed statement of analysis, or manufacturer's certificate of compliance covering analysis shall be furnished to Owner. Store fertilizer in such manner that it shall be kept dry.

- B. Use 10 percent nitrogen, 6 percent phosphorus, and 4 percent potash by weight. At least 50 percent of total nitrogen shall contain no less than 3 percent water-insoluble nitrogen. At least 60 percent of nitrogen content shall be derived from super-phosphate containing not less than 18 percent phosphoric acid or bone meal containing 25 - 30 percent phosphoric acid and 2 - 3 percent nitrogen. Potash shall be derived from muriate of potash containing 55 - 60 percent potash.

#### 2.04 PEAT MOSS

- A. Peat moss shall be Michigan peat moss or approved equal in color and consistency.
- B. Peat moss shall be moss peat, finely shredded to pass 1/2-inch mesh and shall be no less than 90 percent organic material by weight, with ash content by ignition of no more than 10 percent.
- C. Material shall contain 35 - 66 percent moisture by weight, but shall have water-holding capacity of 150 - 200 percent.
- D. Material shall have pH value of 4 to 5.
- E. Material may be imported supplied in bales or domestic furnished in bulk. If furnished in bulk, material and its source must be acceptable to Owner.

#### 2.05 SHREDDED HARDWOOD MULCH

- A. Mulch shall be of sufficient character as not to be easily displaced by wind or water runoff.

#### 2.06 STAKING MATERIAL

- A. Stakes shall be 8-ft steel tee posts. Three stakes shall be used for each tree.
- B. Wire used for tree staking shall be pliable No. 12 galvanized soft steel wire.
- C. Hose shall be 2-ply fibred-bearing rubber garden hose, not less than 1/2-inch inside diameter, black or green, and of suitable length.

#### 2.07 WATER

- A. Potable water, on-site water shall be furnished by Owner. Contractor shall furnish hose and other watering equipment.

#### 2.08 LAWN SOD

- A. Lawn sod is to match adjacent grass specie.

**2.09 WEED MAT**

- A. Weed mat shall be "Dewitt Weed Barrier" or approved equal.

**PART 3 - EXECUTION****3.01 PREPARATION**

- A. Perform planting operations at steady rate of work unless weather conditions make it impossible to work. No plant material shall be planted in frozen ground.
- B. Disk, drag, harrow, or hand rake subgrade to depth of 4 inches and removed stones larger than 1-1/2 inches to provide bond for topsoil. Topsoil, which must be transported across finished sidewalks, shall be delivered in such manner that no damage will be done to sidewalks. Contractor shall be responsible for repair of such damage.
- C. Do not place topsoil until subgrade has been approved in accordance with Section 31 20 00. Before placing topsoil, rake subsoil surface clear of stones, debris, and roots. Compact topsoil to form layer with minimum depth of 4-inches in lawn areas and 12-inches in shrub beds. Place topsoil so that after final settlement there will be positive drainage away from the building.
- D. Tree and Shrub Preparation
  - 1. Dig bare-rooted shrubs with adequate fibrous roots. Cover roots of these plants with uniformly thick coating of mud by being puddled immediately after they are dug, or packed in moist straw or moss.
  - 2. Protect roots or balls of plants at all times from sun and drying winds.
- E. Sod Bed Preparation
  - 1. Grade areas to finish grades, filling as needed or removing surplus dirt. Float areas to smooth, uniform grade as indicated on Construction Drawings. Lawn areas shall slope to drain.
  - 2. Where no grades are shown, areas shall have smooth and continual grade between existing or fixed controls, such as walks, curbs, catch basin, steps, or building, and elevations shown on Construction Drawings. Roll, scarify, rake, and level as necessary to obtain true, even lawn surfaces. Finish grades shall meet approval of Owner, before grass seed is sown.
  - 3. Loosen soil to depth of 6 inches in lawn areas by approved method of scarification and grade to remove ridges and depressions. Remove stones or foreign matter over 2 inches in diameter from top 2 inches of soil. Float lawn areas to finish grades.
  - 4. Lay sod and firm all sodded areas by rolling.

**3.02 PROTECTION**

- A. Before commencing work, trees and shrubs that are to be saved shall be protected from damage by placement of fencing flagged for visibility or some other suitable protective procedure approved by Owner. No work may begin until this requirement is fulfilled.
- B. In order to avoid damage to roots, bark, or lower branches, no truck or other equipment shall be driven or parked within drip line of any tree, unless tree overspreads paved area.
- C. Use precautionary measures when performing work around trees, sidewalks, pavements, utilities, and other features either existing or previously installed.
- D. Dig and replant trees and shrubs to temporary location on-site, as directed by the property management company for plants that are shown to be relocated.

**3.03 TREE AND SHRUB PLANTING**

- A. Holes for trees shall be at least 2 feet greater in diameter than spread of root system and at least 6 inches deeper than root ball. Holes for shrubs and vines shall be at least 12 inches greater in diameter than spread of root system and at least 2 feet deep.
- B. During backfilling of tree holes and shrub beds with topsoil, manure, ground limestone (if soil tests indicate it is needed), and commercial fertilizer at rate of 3 pounds for trees up to 3 inches in caliper, 1 pound per inch caliper for larger trees, 6 ounces for small shrubs and 8 ounces for each shrub 4 feet or over shall be added as progress of work permits. Omit ground limestone and manure in case of acid soil plants. Manure, limestone, and fertilizer shall be thoroughly mixed with topsoil in planting operation, care being taken that manure does not come in immediate contact with roots.
- C. Plants shall be planted in center of holes and at same depth as they had previously grown. Backfill topsoil in layers of not more than 8 inches and each layer watered sufficiently to settle before next layer is placed. Tamp loam under edges of balled plants. Use enough topsoil to bring surfaces to finish grade when settled.
  - 1. Provide saucer around each plant as shown on Construction Drawings.
  - 2. Soak plants with water twice within first 24 hours after time of planting. Apply water with low pressure so as to soak in thoroughly without dislodging topsoil.

**3.04 MISCELLANEOUS INSTALLATIONS**

- A. Shredded Hardwood Mulch
  - 1. Use 4 inches of shredded hardwood mulch or approved equal as top dressing in planting beds. Mulch single trees or shrubs to outside edge of saucer.
  - 2. Place weed mat under planting areas not to be sodded, or as directed on Construction Drawings. Cover mat with mulch and secured in place with soil anchor.
- B. Use peat moss for planting soil mixture only and not to be used as mulch, except on ground cover.
- C. Apply fertilizer to grass or sodded areas in 2 applications with thorough watering immediately following. First application shall be 1 week before seeding at rate of 35 pounds per 1,000 square feet harrowed into top 2 inches of seedbed. Second application shall be done at rate of 25 pounds per 1,000 square feet, immediately following second mowing.
- D. Areas to be covered with erosion control blankets shall be properly prepared, fertilized, and seeded before blanket is applied. When blanket is unrolled, netting shall be on top and fibers in contact with soil. In ditches, apply blanket in direction of flow of water. On slopes, apply blankets vertically on slope. Butt ends and sides snugly and staple

**3.05 MAINTENANCE DURING CONSTRUCTION**

- A. Begin maintenance immediately after planting. Plants shall be watered, mulched, weeded, pruned, sprayed, fertilized, cultivated, and otherwise maintained and protected until acceptance. Settled plants shall be reset to proper grade and position, planting saucer restored, and dead material removed and replaced. Tighten and repair stakes and wires. Correct defective work as soon as possible after it becomes apparent and weather and season permit.
- B. Maintain lawns for at least 30 days after sodding, or as long as is necessary to establish uniform stand of the specified grasses, or until substantial completion of project, or until acceptance of lawns, whichever is later.
- C. Make weekly inspections to determine moisture content of soil and adjust watering schedule established by irrigation system installer to fit conditions.
- D. Watering shall be done in such manner and as frequently as is deemed necessary by Owner to assure continued growth of healthy grass. Water areas of site in such a manner as to prevent erosion due to excessive quantities applied over small areas and to avoid damage to finished surface due to watering equipment.
- E. Water for execution and maintenance will be provided by Owner at no expense

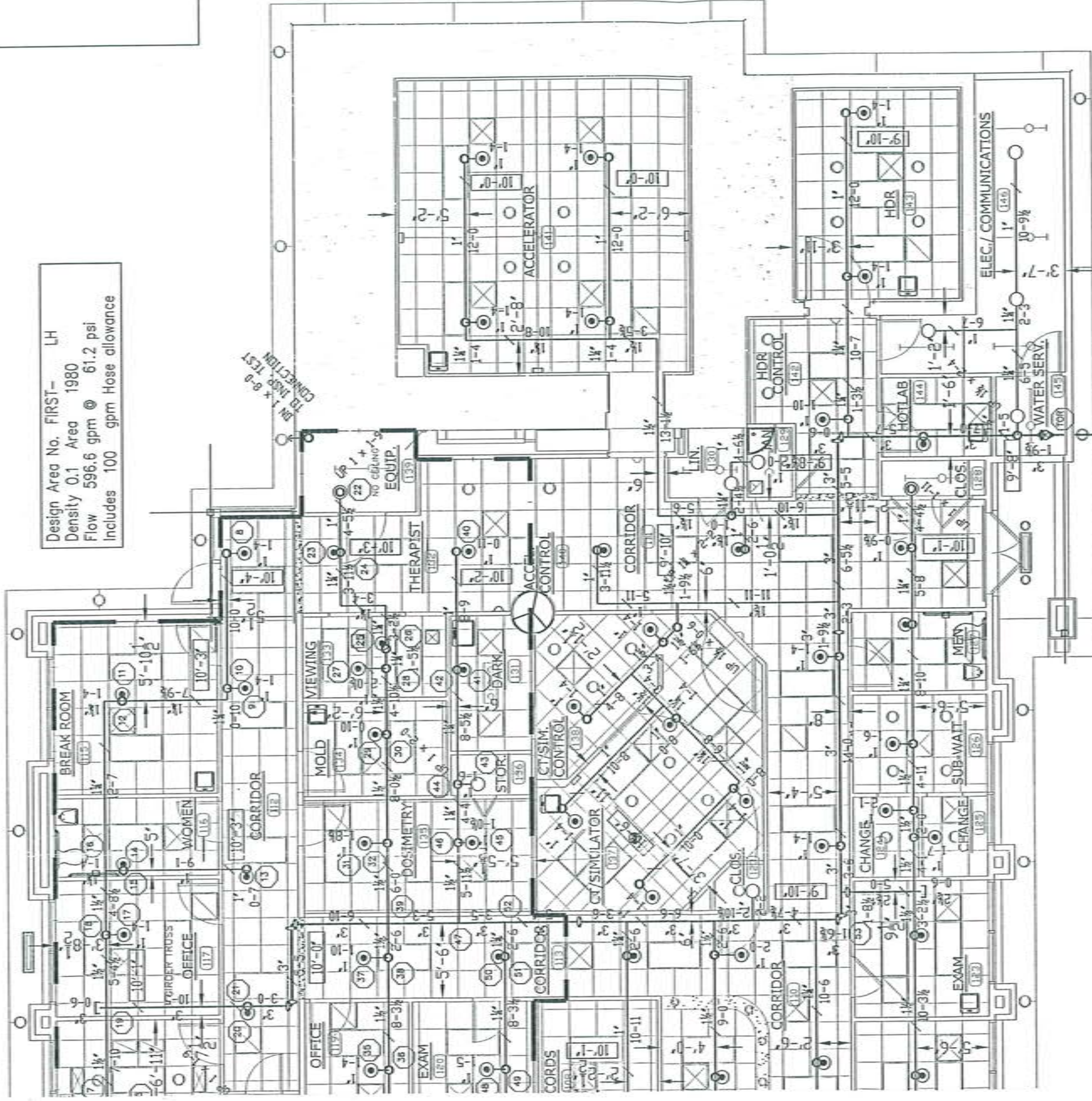
to Contractor. Contractor shall furnish hose, pipe, connections, nozzles, and any other equipment required to transport water from available outlets and apply it to landscaped areas in approved manner.

- F. Initiate mowing of sodded areas when grass has attained height of 3 inches. Maintain grass height at 2 1/2 to 3 inches at subsequent cuttings depending on time of year. Not more than 1/3 of grass leaf shall be removed at any cutting and cutting shall not occur less than 10 days apart.
- G. Remove fences, signs, barriers, or other temporary protective devices after final acceptance.
- H. Grassed areas damaged during process of work shall be responsibility of Contractor, who shall restore disturbed areas to condition satisfactory to Owner. This may include filling to grade, fertilizing, seeding, and mulching.
- I. At end of Establishment Period, inspection shall be made again. Remove from site any plant that is dead or unsatisfactory to Owner. Replace plants during normal planting season.

**END OF SECTION 32 90 00**

TYP  
NO

Design Area No. FIRST- LH  
 Density 0.1 Area 1980  
 Flow 596.6 gpm @ 61.2 psi  
 Includes 100 gpm Hose allowance



IN 1 x 8-8  
 TR INSP. TEST  
 CONNECTION

FIRE LINE

SEE SITE PLAN BELOW  
 FOR CONTINUATION

FIRST FLOOR SPRINKLER PLAN

scale: 1/8" = 1'-0"

