

RENEWAL AND EXTENSION OF LANDSCAPE MAINTENANCE AGREEMENT BETWEEN SMU AND THE CITY OF UNIVERSITY PARK

WHEREAS, Southern Methodist University (hereinafter sometimes referred to as the "University") and the City of University Park, Dallas County, Texas ("City") wish to extend and renew a mutually beneficial agreement for maintenance of landscaping on certain bridges located along US 75, a roadway on the state highway system in the City and in Dallas, Dallas County, Texas ("Agreement");

WHEREAS, the City is responsible for maintaining landscaping on and around Southwestern, Lovers, University, SMU, and Mockingbird bridges, along US 75, as more particularly described in the "Advanced Funding Agreement for Voluntary Maintenance by a Local Government between the State of Texas and the City" with an effective date of January 6, 2012, attached hereto as Exhibit A ("Voluntary Maintenance Agreement"); and

WHEREAS, the University and the City desire to renew and extend the Agreement that will authorize the University to provide funding for a portion of the maintenance, as set forth in section 2 of the Voluntary Maintenance Agreement (the "Work"), to those portions of the bridge overpasses at the intersection of US 75 with the following public streets: (1) Mockingbird Lane and (2) SMU Blvd. (collectively, the "Designated Properties").

NOW, THEREFORE, in consideration of the premises and in further consideration of the obligations hereinafter undertaken, one to the other, the parties hereto agree as follows:

I. Affected Area of City Owned Land

The provisions of this Agreement apply only to the Designated Properties.

II. Payment of Costs and Term

Upon receipt on or before May 15 of each calendar year of reasonable backup documentation and invoices relating to the Work related to the Designated Properties, the University will make payment to the City on or before June 30 of each year in an amount equal to 100% of such documented costs for Mockingbird Lane and 50% of such documented costs for SMU Blvd., for a period of five years, where the aggregate payments to be made by the University for the Designated Properties will not exceed \$75,000 during the five-year term. The five-year term will begin on August 30, 2018 and the term will terminate immediately and without notice upon the earlier of: (1) the end of the five-year term (which is to occur on August 30, 2023); (2) at such time as the University's payments to the City pursuant to this Agreement reaches an aggregate amount of \$75,000; or (3) upon the termination of the Voluntary Maintenance Agreement ("Term").

In the event the City fails to send the invoices and related backup documentation to the University for the Work relating to the Designated Properties on or before May 15 of a given year, the University will be entitled to make payment to the City on or before forty-five days following the receipt of such items from the City.

III. Compliance with the Voluntary Maintenance Agreement

The City hereby agrees that, in performance of any obligations under the Agreement, it will comply with the Voluntary Maintenance Agreement.

IV. Consultation regarding Contractor to Perform the Work

In the event the City desires to engage a different service provider to perform the Work on the Designated Properties (each, a “Contractor”), the City hereby agrees to first provide written notice of the proposed Contractor to the University and further agrees that no Contractor shall be engaged until the City and the University mutually agree on such Contractor; provided, however, in no event shall any such mutual selection alter any obligation of the University under this Agreement.

V. Miscellaneous

A. This Agreement contains the entire agreement of the parties with respect to the subject matter hereof and supersedes any prior or contemporaneous oral or written agreement with regard thereto. This Agreement cannot be changed except by written agreement of the parties.

B. Should any provision of this Agreement be held or determined to be illegal, invalid, or unconstitutional, such holding shall not affect the remaining portions of this Agreement, which are declared to be severable.

C. Each person signing this Agreement represents that he is authorized by the governing body of the entity he represents to execute this Agreement on behalf of such entity.

D. This Agreement is mutually assignable by the parties hereto, provided that any and all successors and assigns must assume in full all obligations arising under this Agreement.

E. Any notice or communication required or permitted under this Agreement shall be given in writing, sent by (a) personal delivery; (b) expedited delivery service with proof of delivery; or (c) United States mail, postage prepaid, registered or certified mail, addressed as follows:

To SMU:	Southern Methodist University P.O. Box 750132 Dallas, Texas 75275-0132 Attn: Vice President for Legal Affairs and General Counsel
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To the City:	City of University Park 3800 University Park University Park, Texas 75205 Attn: City Manager
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or to such other address or to the attention of such other person as hereafter shall be designated in writing by the applicable party sent in accordance herewith. Any such notice or

communication shall be deemed to have been given either at the time of personal delivery or, in the case of delivery service or mail, as of the date of first attempted delivery at the address and in the manner provided herein.

Executed by the parties hereto by and through their duly authorized representatives and effective on the latter of the dates shown below.

Southern Methodist University

City of University Park

By:_____

By:_____

Date:_____

Date:_____

EXHIBIT A
VOLUNTARY MAINTENANCE AGREEMENT

STATE OF TEXAS §
COUNTY OF TRAVIS §

**ADVANCE FUNDING AGREEMENT FOR VOLUNTARY
MAINTENANCE BY A LOCAL GOVERNMENT (ON-SYSTEM)**

THIS AGREEMENT is made by and between the State of Texas, acting by and through the Texas Department of Transportation called the "State", and the City of University Park, acting by and through its duly authorized officials, called the "Local Government."

WITNESSETH

WHEREAS, Texas Transportation Code, §201.103 and §222.052 establish that the State shall design, construct and operate a system of highways in cooperation with local governments; and

WHEREAS, Transportation Code, §201.209 allows the State to enter into an interlocal agreement with a Local Government; and,

WHEREAS, Texas Transportation Code §221.002 provides that the Governing Body of a Municipality may enter into an agreement with the Texas Transportation Commission for the improvement by the Local Government of the state highway system, including maintenance;

WHEREAS, the Local Government desires to maintain landscaping on and around Southwestern, Lovers, University, SMU and Mockingbird bridges, along US 75, a roadway on the state highway system; and

WHEREAS, the Governing Body of the Local Government has approved entering into this agreement for maintenance of the Project that is identified in the location map shown as Attachment A;

WHEREAS, the State has determined that such participation is in the best interest of the citizens of the State;

NOW, THEREFORE, in consideration of the premises and of the mutual covenants and agreements of the parties hereto, to be by them respectively kept and performed as hereinafter set forth, it is agreed as follows:

AGREEMENT

1. Period of the Agreement

This agreement becomes effective when signed by the last party whose signing makes the agreement fully executed. This agreement shall remain in effect unless terminated as provided below.

2. Scope of Work

The Local Government will maintain the Project in accordance with State standards. The Local Government will:

For the work of plant maintenance, all reasonable means shall be employed to preserve the plants and vegetative material existing within the project limits in a healthy and vigorous growing condition. This maintenance activity shall include but not be limited to the following:

- (1) Watering plants and vegetation
- (2) Plant bed and basin maintenance including shaping, weed control, and mulch layer.
- (3) Plant replacement after 5 month of original plant installation.
- (4) Insect, Disease, and Animal Control
- (5) Fertilizing
- (6) Mowing and Trimming
- (7) Re-staking, re-guying, re-bracing and, when applicable, removal of staking, guying, and bracing
- (8) Pruning
- (9) Litter pick-up

Irrigation System Operation and Maintenance

Permanent irrigation system operation and maintenance shall include, but not be limited to, watering, monitoring, adjustment, repairing, and proper operation of the existing irrigation system as required to ensure adequate moisture to the plant material existing on the site. It shall also include adjusting system to keep water off hardscapes. All replacement parts shall be of the same type and manufacturer as originally installed. Substitute parts may be allowed with the approval of the State prior to replacement.

3. Termination of this Agreement

This agreement shall remain in effect unless:

- A. The agreement is terminated in writing with the mutual consent of the parties;
- B. The agreement is terminated by one party because of a breach, in which case any cost incurred because of the breach shall be paid by the breaching party; or
- C. The State determines that the performance of the Project is not in its the best interest of the State.

4. Amendments

Amendments to this agreement due to changes in the character of the work, terms of the agreement, or responsibilities of the parties relating to the Project may be enacted through a mutually agreed upon, written amendment.

5. Remedies

The State will notify the Local Government, in writing, if the State determines that the Local Government is not maintaining the Project in accordance with this agreement. The Local Government will have thirty (30) days after such notice to cure the non-compliance. If the non-compliance is not cured within thirty (30) days after the notice, the State will perform the maintenance and the Local Government will be responsible for that cost. This agreement shall not be considered as specifying the exclusive remedy for any agreement default, but all remedies existing at law and in equity may be availed of by either party to this agreement and shall be cumulative.

6. Compliance with Texas Accessibility Standards and ADA

The Local Government shall ensure that maintenance is in compliance with the Texas Accessibility Standards (TAS) issued by the Texas Department of Licensing and Regulation, under the Architectural Barriers Act, Article 9102, Texas Civil Statutes. The TAS establishes minimum accessibility requirements to be consistent with minimum accessibility requirements of the Americans with Disabilities Act (P.L. 101-336) (ADA).

7. Notice

All notices to either party by the other required under this agreement shall be delivered personally or sent by certified or U.S. mail, postage prepaid, addressed to such party at the following addresses:

Local Government:	State:
<u>City of University Park</u>	Director of Contract Services
<u>Attn: City Manager</u>	Texas Department of Transportation
<u>3800 University Blvd.</u>	125 E. 11 th Street
<u>University Park Texas, 75205</u>	Austin, Texas 78701

All notices shall be deemed given on the date so delivered or so deposited in the mail, unless otherwise provided by this agreement. Either party may change the above address by sending written notice of the change to the other party. Either party may request in writing that such notices shall be delivered personally or by certified U.S. mail and such request shall be honored and carried out by the other party.

8. Legal Construction

This document does not convey any real property interests. In case one or more of the provisions contained in this agreement shall for any reason be held invalid, illegal or unenforceable in any respect, such invalidity, illegality or unenforceability shall not affect any other provisions and this agreement shall be construed as if it did not contain the invalid, illegal or unenforceable provision.

9. Responsibilities of the Parties

The parties agree that neither party is an agent, servant, or employee of the other party and each party agrees it is responsible for its individual acts and deeds as well as the acts and deeds of its contractors, employees, representatives, and agents. The parties expressly agree that this Project is not a joint venture or enterprise. However, if a court should find that the parties are engaged in a joint venture or enterprise, then the Local Government agrees to pay any liability adjudicated against the State for acts and deeds of the Local Government, its employees or agents during the performance of this Project, including attorney fees which may be incurred in litigation or otherwise resisting said claim or liabilities.

10. Compliance with Laws

The parties shall comply with all Federal, State, and Local laws, statutes, ordinances, rules and regulations, and the orders and decrees of any courts or administrative bodies or tribunals in any manner affecting the performance of this agreement. When required, the Local Government shall furnish the State with satisfactory proof of this compliance.

11. Sole Agreement

This agreement constitutes the sole and only agreement between the parties and supersedes any prior understandings or written or oral agreements respecting the agreement's subject matter.

12. State Auditor

The state auditor may conduct an audit or investigation of any entity receiving funds from the State directly under the contract or indirectly through a subcontract under the contract. Acceptance of funds directly under the contract or indirectly through a subcontract under this contract acts as acceptance of the authority of the state auditor, under the direction of the legislative audit committee, to conduct an audit or investigation in connection with those funds. An entity that is the subject of an audit or investigation must provide the state auditor with access to any information the state auditor considers relevant to the investigation or audit.

13. Insurance

The Local Government is presently self insured. If at any time the self insurance lapses, the Local Government shall comply with the following. If this agreement authorizes the Local Government or its contractor to perform any work on State right of way, before beginning work the entity performing the work shall provide the State with a fully executed copy of the State's Form 1560 Certificate of Insurance verifying the existence of coverage in the amounts and types specified on the Certificate of Insurance for all persons and entities working on State right of way. This coverage shall be maintained until all work on the State right of way is complete. If coverage is not maintained, all work on State right of way shall cease immediately, and the State may recover damages and all costs of completing the work.


CSJ #0047-07-220
District # 18/DAL
Code Chart 64 #43550
US 75: From SP 366
To IH 635
Dallas County
Landscape Development

14. Signatory Warranty

Each signatory warrants that the signatory has necessary authority to execute this agreement on behalf of the entity represented.

THIS AGREEMENT IS EXECUTED by the State and the Local Government in duplicate.

THE LOCAL GOVERNMENT



Signature

Bob Livingston

Typed or Printed Name

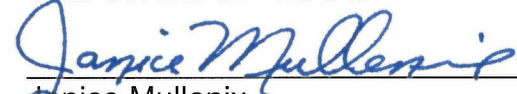
City Manager

Title

12/22/11

Date

THE STATE OF TEXAS



Janice Mullenix
Director of Contract Services
Texas Department of Transportation

January 6, 2012

Date

CSJ #0047-07-220
District # 18/DAL
Code Chart 64 #43550
US 75: From SP 366
To IH 635
Dallas County
Landscape Development

Attachment A
LOCATION MAP SHOWING PROJECT

FINAL PLANS

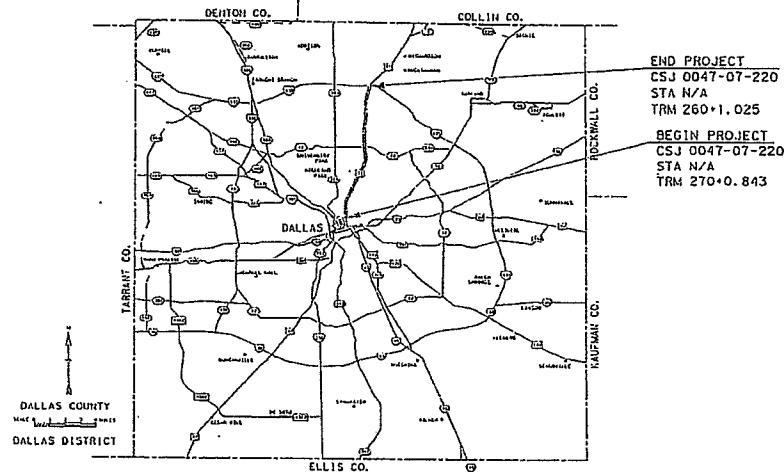
NAME OF CONTRACTOR: _____
 DATE OF LETTING: _____
 DATE WORK BEGAN: _____
 DATE WORK COMPLETED: _____
 DATE WORK ACCEPTED: _____
 SUMMARY OF CHANGE ORDERS: _____

STATE OF TEXAS DEPARTMENT OF TRANSPORTATION PLANS OF PROPOSED STATE HIGHWAY IMPROVEMENT FEDERAL AID PROJECT NH 1102 (260) CSJ: 0047-07-220 US 75 DALLAS COUNTY

LIMITS: FROM Spur 366 / Woodall Rodgers Fwy.
 TO IH 635 in Dallas

TOTAL LENGTH OF PROJECT =
 ROADWAY = 50614 FT. = 9.586 MI.
 BRIDGE = 0.00 FT. = 0.000 MI.
 TOTAL = 50614 FT. = 9.586 MI.

TYPE OF WORK: LANDSCAPE DEVELOPMENT TO
 INCLUDE LANDSCAPE DEVELOPMENT



DALLAS COUNTY
 DALLAS DISTRICT

EQUATIONS: NONE
 EXCEPTIONS: NONE
 RAILROAD CROSSINGS: NONE

WORK WAS COMPLETED ACCORDING
 TO THE PLANS AND CONTRACT.

Signature of Registrant & Date

DESIGN	FED. RD. DIV. NO.	FEDERAL AID OR STATE PROJECT NO.	HIGHWAY
XXX	6	NH 1102 (260)	US 75
CHECK	STATE	DISTRICT	COUNTY
XXX	TEXAS	DALLAS	DALLAS
CHECK	CONTROL	SECTION	JOB
XXX	0047	07	220

DESIGN SPEEDS = N/A

NOTE:

SPECIFICATIONS ADOPTED BY THE TEXAS DEPARTMENT OF TRANSPORTATION, JUNE 1, 2004, AND THE CONTRACT PROVISIONS LISTED AND DATED AS FOLLOWS SHALL GOVERN ON THIS PROJECT: REQUIRED CONTRACT PROVISIONS FOR ALL FEDERAL-AID CONSTRUCTION CONTRACTS (FORM FHWA 1273, MARCH, 1994)

TEXAS DEPARTMENT OF TRANSPORTATION

SUBMITTED FOR LETTING: 20 June 2011
 Paul S. Williams, P.E.
 LANDSCAPE ARCHITECT
 RECOMMENDED FOR LETTING: 6-20 2011
 Paul S. Williams, P.E.
 AREA ENGINEER
 RECOMMENDED FOR LETTING: 6/23 2011
 Paul S. Williams, P.E.
 DIRECTOR OF OPERATIONS

RECOMMENDED FOR LETTING: 6/23 2011
 Paul S. Williams, P.E.
 DISTRICT ENGINEER

APPROVED FOR LETTING: 6/29 2011
 Paul S. Williams, P.E.
 DIRECTOR, REGION DIVISION

INDEX OF SHEETS

SHEET DESCRIPTION

I. GENERAL

1 TITLE SHEET
 2 INDEX OF SHEETS
 3, 3A-B GENERAL NOTES
 4 ESTIMATE AND QUANTITY SHEET

II. TRAFFIC CONTROL PLAN

* 5 TCP (3-2) 98
 * 6 - 8 TCP (6-1) - (6-3) - 98A
 * 9 - 20 BC (1-12) 07

III. ROADWAY DETAILS

NONE

IV. RETAINING WALL DETAILS

NONE

SHEET DESCRIPTION

V. DRAINAGE DETAILS

NONE

VI. UTILITIES

NONE

VII. BRIDGES

NONE

SHEET DESCRIPTION

VIII. TRAFFIC ITEMS

NONE

IX. ENVIRONMENTAL ISSUES

21 ENVIRONMENTAL PERMITS, ISSUES AND COMMITMENTS (EPIC)
 22 STORM WATER POLLUTION PREVENTION PLAN (SWPPP)
 * 23 - 24 EROSION CONTROL LOGS (OAL)

X. MISCELLANEOUS ITEMS

25 - 28 PLANTER LOCATION SHEETS
 29 PLANT MATERIAL INFORMATION
 30 - 32 TYPICAL BRIDGE PLANTING LAYOUT SHEETS
 33 TYPICAL BRIDGE IRRIGATION LAYOUT
 34 IRRIGATION DETAILS
 35 IRRIGATION GENERAL NOTES & MATERIAL SPECIFICATIONS



* THE STANDARD SHEETS SPECIFICALLY IDENTIFIED ABOVE HAVE BEEN
 SELECTED BY ME OR UNDER MY RESPONSIBLE SUPERVISION AS BEING
 APPLICABLE TO THIS PROJECT.

Signature of Registrant *Neal Thomas Stanford* P.E. 6/20/11
 Date

Texas Department of Transportation © 2011				
INDEX OF SHEETS				
DESIGN XXX	FED. RD. DYN. 6	FEDERAL AID PROJECT NO. (see title sheet)		HIGHWAY NO. US 75
CHECK XXX	STATE	DISTRICT	COUNTY	SHEET NO.
CHECK XXX	TEXAS	DALLAS	DALLAS	2
CHECK XXX	CONTROL	SECTION	JOB	
	0047	07	220	

Project Number: NH 1102 (260)

Control: 0047-07-220

County: Dallas

Sheet 3

Highway: US 75

General Notes:

SW3P RESPONSIBILITIES

TxDOT Area of Responsibility

Responsible for the area defined by the limits of the subject project, except for those areas utilized and operated by the contractor. These areas include, though are not limited to, areas used for field offices, equipment and/or material storage, and concrete or asphalt plants.

TxDOT Operational Responsibility

Responsible for seeking coverage under the TPDES Construction General Permit (CGP) and operating the project within the requirements of the CGP for discharging storm water from the subject project and to notify MS4 permit holders of the intent to discharge storm water.

File a Notice of Termination with TCEQ upon completion of the project when the exposed areas have been stabilized with a vegetative cover of at least 70%.

Contractor Area of Responsibility

Responsible for all areas under their direct operational control which includes, though not limited to, areas used for field offices, equipment and/or material storage, and concrete or asphalt plants. These areas may be located on or off the subject project's R.O.W.

Contractor Operational Responsibility

Responsible for seeking coverage under the TPDES Construction General Permit (CGP) and adhering to all requirements of the permit for discharging storm water from the areas under their operational control. Perform regular inspections, prepare a written report of deficiencies, and repair deficiencies within the time frame set forth by the permit. File a Notice of Termination with TCEQ upon completion of the project when the exposed areas have been stabilized with a vegetative cover of at least 70%.

Responsible under contractual obligations to TxDOT to install, clean, repair, replace or remove sediment and erosion control devices as indicated on TxDOT's Inspection Reports, or as required by daily construction practices, within the time frame set forth by the permit.

GENERAL

Access will be provided to all business and residences at all times. Materials, labor and maintenance for these temporary accesses will not be paid for directly but will be considered subsidiary to the various bid items.

The construction, operation and maintenance of the proposed project will be consistent with the state implementation plan as prepared by the Texas Commission on Environmental Quality.

General Notes

Sheet A

Project Number: NH 1102 (260)

Control: 0047-07-220

County: Dallas

Sheet 3

Highway: US 75

The disturbed area for this project is shown on the Storm Water Pollution Prevention Plan (sheet 22 of the plan set). However, the Total Disturbed Area (TDA) will establish the required authorization for storm water discharges. The TDA of this project will be determined by the sum of the disturbed area in all project locations in the contract, and all disturbed area on all Project-Specific Locations (PSL) located in the project limits and/or within 1 mile of the project limits. The department will obtain an authorization to discharge storm water from the Texas Commission on Environmental Quality (TCEQ) for the construction site as shown on the plans, according to the TDA of the project. The contractor will obtain any required authorization from the TCEQ for the discharge of storm water from any PSL for construction support activities on or off of the project row according to the TDA of the project. When the TDA for the project exceeds 1 acre, provide a copy of the appropriate application of permit (NOI, or Construction Site Notice) to the engineer, for any PSL located in the project limits or within 1 mile of the project limits. Follow the directives and adhere to all requirements set forth in the TCEQ, Texas Pollution Discharge Elimination System, Construction General Permit (TPDES, CGP).

Leave all right of way areas undisturbed until actual construction is to be performed in said areas.

Underground utilities owned by the Texas Department of Transportation may be present within the Right-Of-Way on this project. For signal, illumination, surveillance, and communications & control maintained by TxDOT, call the TxDOT Traffic Signal Office (214-320-6682) for locates a minimum of 48 hours in advance of excavation. For irrigation systems, call TxDOT Maintenance Landscape Office (214-320-6205) for locates a minimum of 48 hours in advance of excavation. If city or town owned irrigation facilities are present, call the appropriate department of the local city or town a minimum of 48 hours in advance of excavation. The Contractor is liable for all damages incurred to the above mentioned utilities when working without having the utilities located prior to excavation.

For the project to be deemed complete, permanently stabilize all unpaid disturbed areas of the project with a vegetative cover at a minimum of 70% density for the control of erosion.

Repair or replace any structures and utilities that might have been damaged by negligence or a failure to have utility locates performed.

Meet weekly with the engineer to notify him or her of planned work for the upcoming week.

Submit pre-bidding questions, by email only, to the attention of Area Engineer or Area Engineer's representative.

Email: Elliot.Stovall@txdot.gov Answers will be provided by email.

An electronic file containing pre-bidding questions and TxDOT answers will be provided upon email request.

Material On Hand (MOH) will not be used in calculating partial payments for Mobilization.

Provide the Engineer with a copy of all DBE subcontractor agreements prior to commencing work.

Item 9:

This Project will be a Standard Workweek in accordance with Article 8.3.A.4.

General Notes

Sheet B

A REPLACED. 07/29/11 JLG

Project Number: NH 1102 (260)

Control: 0047-07-220

County: Dallas

Sheet 3A

Highway: US 75

Project includes a disincentive for failure to complete Milestone 1 as per Special Provision 008-069. There is no incentive.

No.	Milestone	Milestone Finishes	Maximum Days of Milestone Disincentive	Daily Disincentive (\$)
1	Complete the installation plant material and irrigation system and begin 90-day maintenance period.	April 30, 2012	No limit	\$5,000

Item 161:

Install Compost Manufactured Topsoil (CMT) in the planters to within 2" of inside top of the planter. Average estimated depth of fill is 18" (generally between 12 and 24"). Use a heavy black waxy clay topsoil typical of the area for CMT.

Compact lifts of CMT using water or other approved methods to ensure long term settling of the soil is less than one-half inch (1/2"). Provide additional soil at no cost to the State in areas where the finished soil surface (excluding mulch) is greater than 2" below the top of the planter. Water for compacting the CMT shall be subsidiary to this item.

Provide CMT with an acrylamide-acrylate co-polymer (cross linked co-polymer, low end polymer) for the planters on the Hail St., Haskell, McCommas bridges and 2 of the 4 planters on the Knox-Henderson bridge. Incorporate pre-gelled water absorbent polymer into the CMT prior to delivery to project. Provide certification letter from CMT provider ensuring polymer is evenly blended at two pounds (dry weight) per cubic yard of CMT. Use 6 gallons of water per pound of polymer to sufficiently gel the material.

Item 170:

Restore new irrigation sprinklers to planter beds on bridges shown on sheet 33. Provide all new material beyond existing main line, including but not limited to electric control valves, filters, & pressure regulators, PVC (or polypropylene) lateral line, fittings, sprinkler bodies and nozzles, and required accessories shown on details.

Change out non-functioning irrigation controllers (if required) with other controllers available within the project limits.

Replace broken concrete valve boxes under this item.

Item 192:

No planting shall occur between June 1st and September 15th without written approval from the Engineer. Planting shall be completed in early spring (not later than April) to ensure sufficient establishment prior to summer.

Dip plant root balls into pre-gelled polymer solution immediately prior to planting.

General Notes

Sheet C

Project Number: NH 1102 (260)

Control: 0047-07-220

County: Dallas

Sheet 3A

Highway: US 75

Water requirements during planting and the 90-day maintenance period are subsidiary to this item and no separate payment shall be made.

Use a heavy black waxy clay topsoil typical of the area for planting soil mix and incorporate 1 part compost to each two parts topsoil.

Begin the 90-day maintenance period only after all plant material and irrigation systems have been installed as shown on plans. The Engineer may authorize in writing beginning the 90-day maintenance period at individual locations provided the installations are complete at those locations.

ITEM 193:

Replace unacceptable (dead, dying, diseased) plant material as directed by the Engineer until the end of the project. No additional payment shall be made for new plant material which is replaced due to the contractor's failure to maintain the planting.

Provide vegetative watering as directed by the Engineer to ensure the plant material remains vigorous. Apply water at a rate of one inch (1") of water per surface area per application.

Vegetative watering estimate is based on a rate the planting beds receive an average total of 2" of water per week (including rainfall). Begin water cycles after notification by the Engineer.

Deliver water through boom or other mechanism to ensure the spray is kept off the roadway and in such a manner that the delivery does not disturb the planting bed.

Item 502:

Provide written proposed lane closure information by 1:00 pm on the business day prior to the proposed closures. Do not close lanes when this requirement is not met.

Place barricades and signs in locations that do not obstruct the sight distance of drivers entering the highway from driveways or side streets.

Do not commence work on the road before sunrise. Do not operate or park any equipment/machinery closer than 30 feet from the traveled roadway after sunset unless authorized by the engineer.

When moving unlicensed equipment on or across any pavement or public highways, protect the pavement from all damage using an acceptable method.

Freeway Lane Closures				
Category of Work	Number of Rdwy Lanes per direction	Peak Times	Off Peak Times	Lowest Volume Time
		Monday-Friday 6:00 am - 9:00 am 3:30 pm - 7:00 pm Major Events and Major Holidays**	Monday-Friday 9:00 am - 3:30pm 7:00 pm - 10:30 pm and Saturday	Monday-Friday 10:30 pm to 6:00 am and Sunday

General Notes

Sheet D

REPLACED 07/29/11 JLG88

Project Number: NH 1102 (260)

Control: 0047-07-220

County: Dallas

Sheet 33

Highway: US 75

Placement of GTB & Bridge Beams, Pavement Markings, Full Depth Roadway Repair, Bridge or Similar Demolitions*	5	None	2	3
	4	None	2	3
	3	None	1	2
	2	None	1	2
Adjacent Construction, Lanes for Construction Traffic or Similar Operations	5	None	1	2
	4	None	1	2
	3	None	1	1
	2	None	None	1

* Provide a traffic control plan where bridge demolition cannot be accomplished with lane closures. Freeway closures will only be done during Lowest Volume Times.
 ** Major Holidays are defined under Item 1.82 and also include the Easter Weekend.
 *** The Table above is only to be used when traffic counts do not exceed 2000 Vehicles per Lane per Hour. (The capacity of all remaining open lanes must not exceed 2000 Vehicles per Lane per Hour). When traffic counts do or will exceed 2000 Vehicles per Lane per Hour, Director of Construction, Assistant District Engineer or District Engineer approval will be required for lane closures.

Additional lanes may be closed during Off Peak Times or Lowest Times with written permission of the Engineer. Lane Closures during Off Peak Times may be started earlier or be extended later with written permission of the Engineer.

Traffic Control Plans with Lane Closures causing backups of 20 minutes or greater in duration will be modified by the Engineer.

Item 506:

Take all practicable precautions to prevent debris from being discharged into the Waters of Texas or a designated wetland. Install Best Management Practices before demolition begins and maintain them during the demolition. Remove any debris or construction material that escapes containment devices and are discharged into the restricted areas, before the next rain event or within 24 hours of the discharge.

SW3P Maintenance Reports are made every seven calendar days. Make corrections as soon as possible before the next anticipated rain event or within seven calendar days after being able to enter the site to work for each BMP. A BMP site being "Too Wet to Work" is the only acceptable reason for not accomplishing the corrections with the seven calendar day time limit and should be thoroughly documented on Form 2118. If maintenance corrections are not made within this time frame then all work will cease, time charges will continue until SW3P is brought into compliance and is documented on Form 2118 after TxDOT review.

This in no way releases the contractor of liability for noncompliance.

General Notes

Sheet E

Project Number: NH 1102 (260)

Control: 0047-07-220

County: Dallas

Sheet 33

Highway: US 75

Obtain from the Engineer a copy of the project's TPDES Storm Water Program and Notice of Intent or Construction Site Notice. Laminate the sheets and bond with adhesive to 36" X 48" plywood sign blanks. Ensure the sheets remain dry. Apply Type C Blue reflective sheeting as the background and add the text "SW3P" in 5" white lettering, centered at the top. Attach the signs to approved temporary mounts and locate at each of the project limits or as directed by the Engineer. SW3P Signs, maintenance, and repostings will be subsidiary to Item 502.

Item 529:

In the event an existing planter pot falls apart, assist TxDOT maintenance forces in the removal of the broken pot into a TxDOT vehicle. Removal shall be subsidiary to the various bid items.

Install new pavers at the location of the removed planter with a pattern and colors to match existing pavers. Submit sample pavers to Engineer for approval prior to installation.

Item 752:

Remove existing shrubs, vines, and weeds (dead or alive) from the bridge planters. Removal shall include the majority of the root system and attached soil. Soil and plant material shall be become property of the contractor for disposal purposes.

Provide a Maintenance Pruning for all live trees within the project limits, including those in parkways outside the frontage roads. Those trees obviously maintained by others do not require pruning. Maintenance Pruning includes cleaning the crown of the tree of all dead, dying, diseased, or weak branches, but may also include crown thinning, raising, shaping and restoration as needed.

Existing shrubs to remain shall also be pruned, including some severe cutting back on shrubs such as honeysuckle, abelia, primrose jasmine, that can tolerate such pruning activities.

Remove all dead plant material within project limits. Brush (ground cover, shrubs, small trees less than 4" caliper) removal shall be paid for under the Tree Trimming/Brush Removal item. Tree removal will be paid for under the respective items.

Several large trees to be removed are in the planting terraces and may require specialized equipment to remove them. Existing honeysuckle plants in these terraces may be cut back to access these dead trees, but precautions shall be taken to allow regrowth after the tree removal is complete.

Cut trees in planting terraces to within two inches (2") of the surrounding planting bed. Root system for these trees may remain, but they shall be treated with a glyphosate herbicide to ensure no regrowth from the trees. Some root removal may be required to install the new 15 gallon sized plant material. Any trumpet creeper or wisteria plants in the terraces shall also be cut and treated with a glyphosate herbicide. Regrowth of any of these plants shall be retreated during the contract.

General Notes

Sheet F

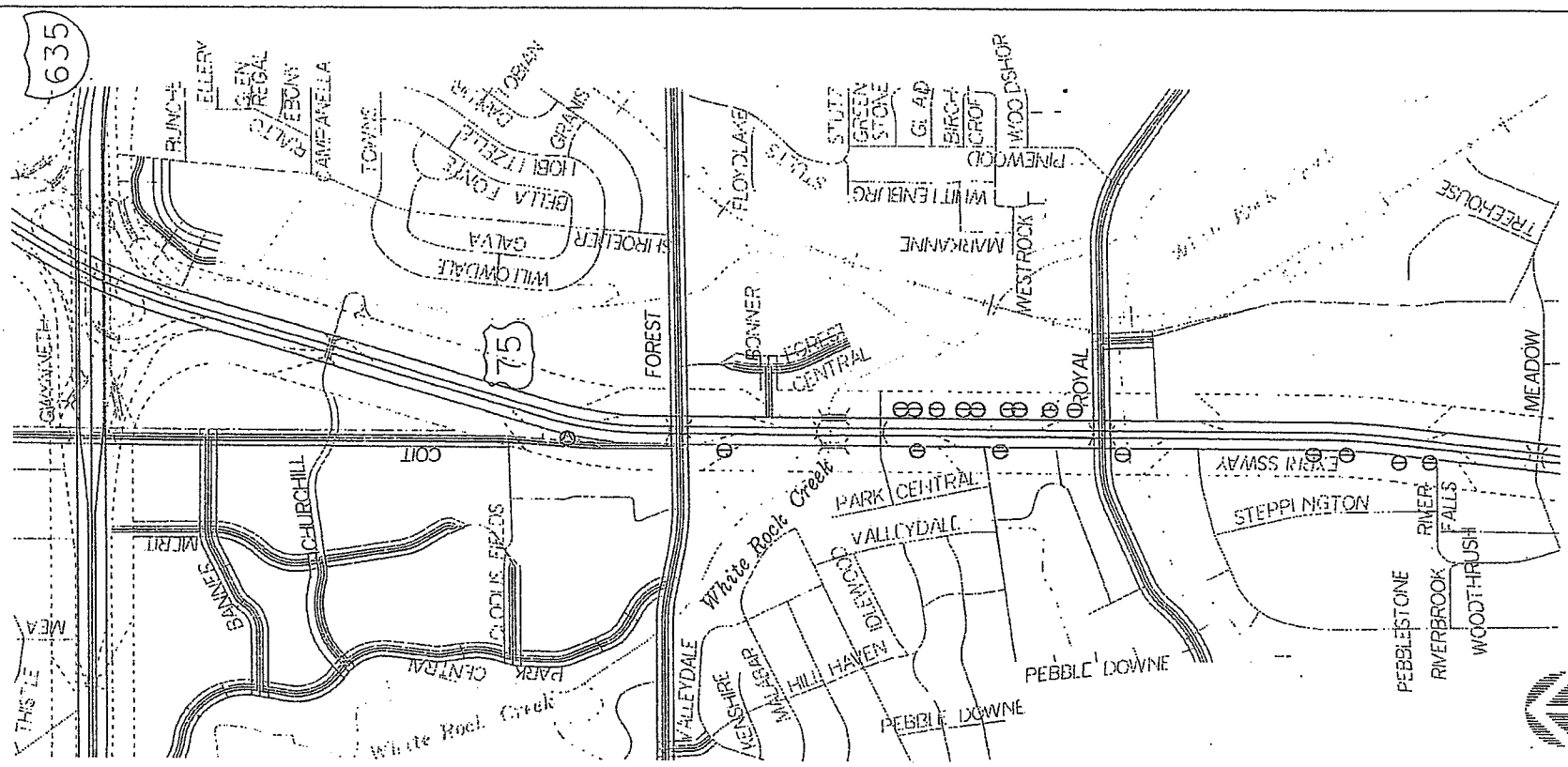
REPLACED 07/29/11 JLG

Attachment A

ESTIMATE & QUANTITY SHEET

△ REPLACED. 07/29/11 JLG/JS.

Sheets 5 – 24 of the plan set for CSJ 0047-07-220 are not included in this attachment as they are standard sheets for Traffic Control, Barricades, Storm Water Pollution Prevention, etc. for use during the construction activities or are plan sheets for other roadways and do not reflect on the work to be completed by the City under this Voluntary Advance Funding Agreement. The information covered on those sheets is available online or at TxDOT offices throughout the State.

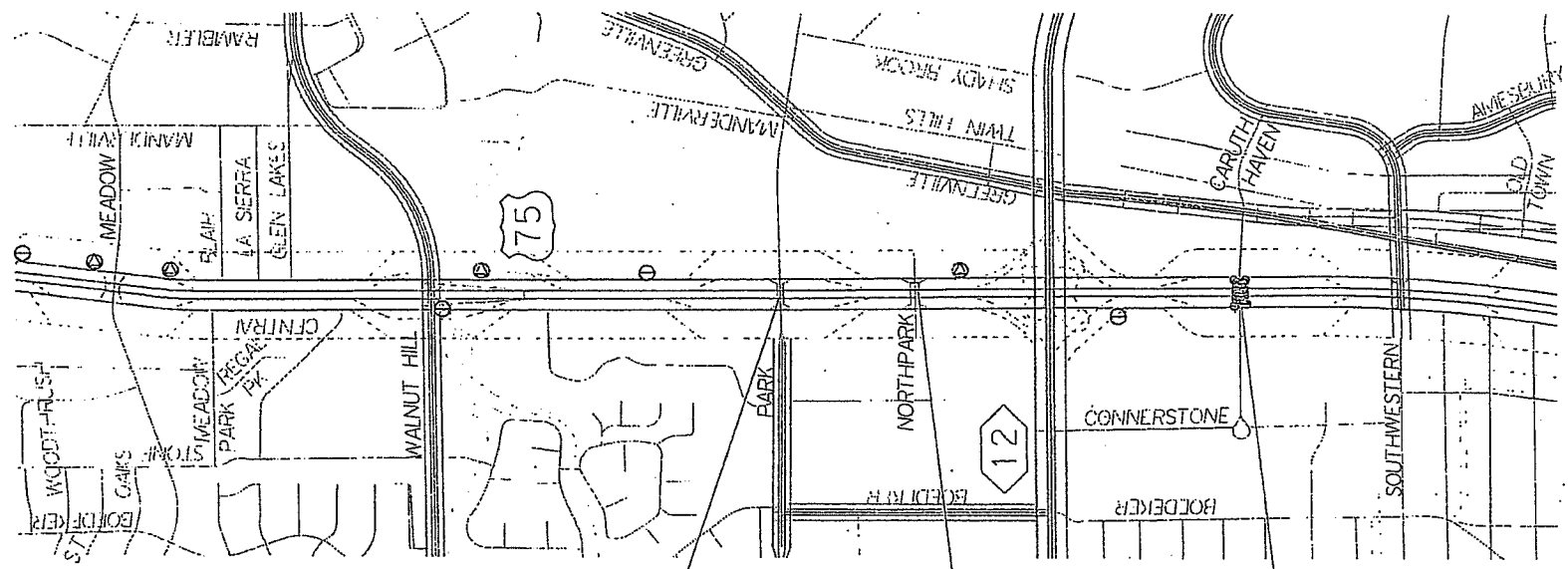


- | | | |
|-------------------------------|----|-----|
| PLANT MATERIAL (ONE GALLON) | EA | . |
| PLANTING SOIL | CY | . |
| TREE TRIMMING/BRUSH REMOVAL | MI | 252 |
| ⊖ TREE REMOVAL (4-12 INCHES) | EA | 17 |
| ⊗ TREE REMOVAL (12-18 INCHES) | EA | 1 |
| ⦿ TREE REMOVAL (18-24 INCHES) | EA | . |



Patrick J. Haigh
Signature of Registrar Date: 2014/02/20

Texas Department of Transportation © 2010			
PLANTER LOCATION SHEET			
SCALE: 1" = 1000'		SHEET 1 of 4	
SECTION XXX	FED. RD. DIST. NO. 6	FEDERAL AID PROJECT NO. (See Title Sheet)	
STATE TEXAS	DISTRICT DALLAS	COUNTY Dallas	HIGHWAY NO. US 75
CHECK XXX	CHECK XXX	CHECK XXX	CHECK XXX
CONTROL 0047	SECTION 07	JOB 220	SHEET NO. 25

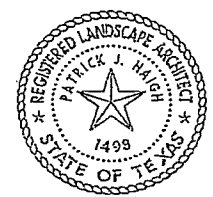


Park Lane Bridge
 17 Planters to be cleared
 60 CY of New Planting Soil
 136 1-Gallon Grasses
 81 3-Gallon Shrubs

Northpark Blvd Bridge
 19 Planters to be cleared
 33 CY of New Planting Soil
 323 1-Gallon Grasses

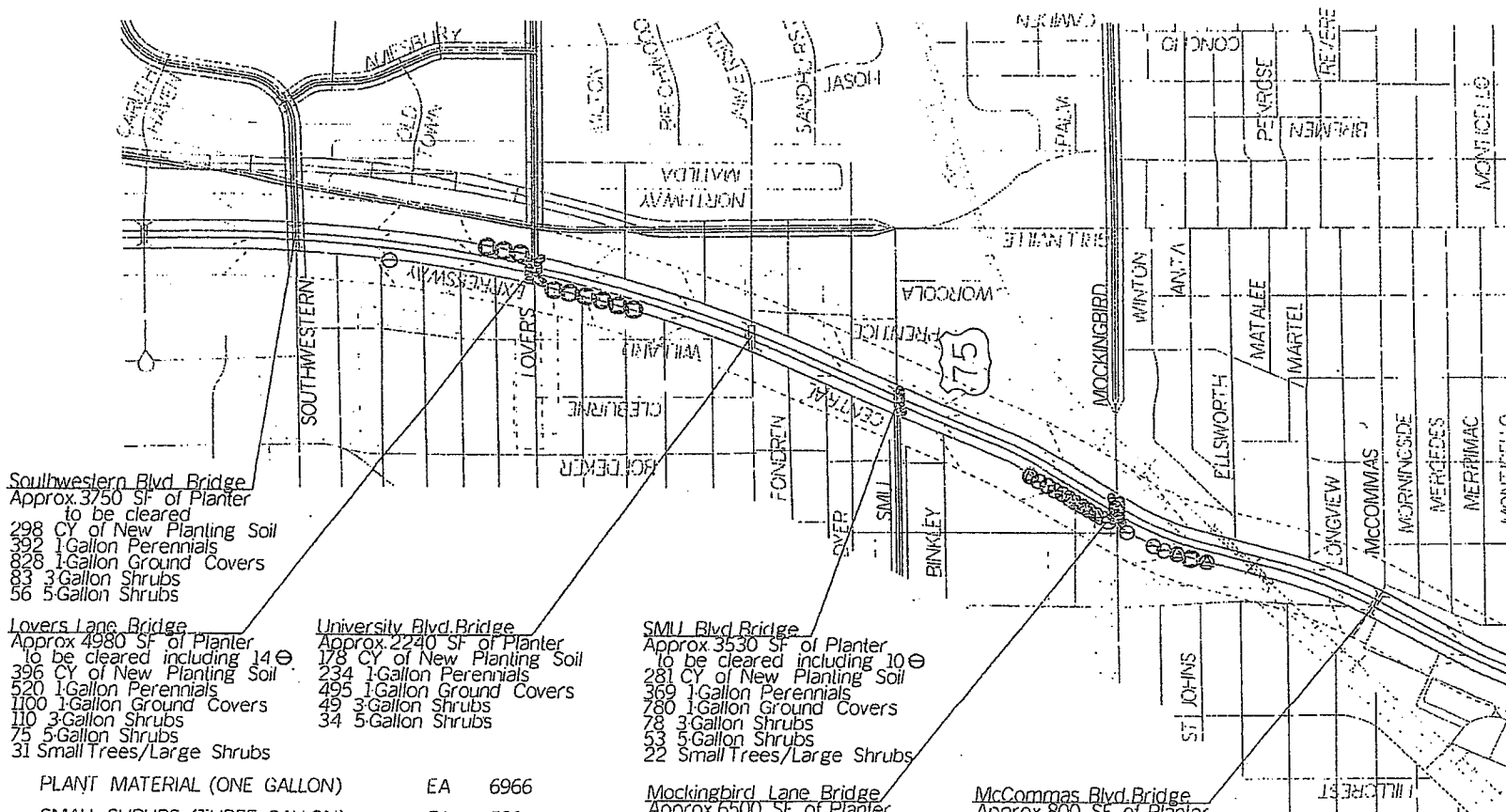
Caruth Haven Bridge
 17 Planters to be cleared
 including 17 ⊖
 63 CY of New Planting Soil
 170 1-Gallon Grasses
 72 3-Gallon Shrubs

ORNAMENTAL GRASSES (ONE GALLON)	EA	629
SHRUBS (THREE GALLON)	EA	153
PLANTING SOIL	CY	156
TREE TRIMMING/BRUSH REMOVAL	MI	185
⊖ TREE REMOVAL (4 12 INCHES)	EA	21 (17 on bridges)
⊗ TREE REMOVAL (12-18 INCHES)	EA	4
⊙ TREE REMOVAL (18-24 INCHES)	EA	



Patrick J. Haigh
 Signature of Registrant & Date

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PLANTER LOCATION SHEET			
SCALE: 1" = 1000'		SHEET 2 OF 4	
DESIGN XXX	EST. NO. 6	FEDERAL AID PROJECT NO. (See Title Sheet)	ROUTE US 75
DRAWN XXX	STATE TEXAS	DISTRICT DALLAS	COUNTY Dallas
CHECK XXX	SECTION 0047	JOB 07	SHEET NO. 26



Southwestern Blvd Bridge
Approx 3750 SF of Planter
to be cleared
298 CY of New Planting Soil
392 1-Gallon Perennials
828 1-Gallon Ground Covers
83 3-Gallon Shrubs
56 5-Gallon Shrubs

Lovers Lane Bridge
Approx 4980 SF of Planter
to be cleared including 14 ⊖
396 CY of New Planting Soil
520 1-Gallon Perennials
1100 1-Gallon Ground Covers
110 3-Gallon Shrubs
75 5-Gallon Shrubs
31 Small Trees/Large Shrubs

University Blvd Bridge
Approx 2240 SF of Planter
178 CY of New Planting Soil
234 1-Gallon Perennials
495 1-Gallon Ground Covers
49 3-Gallon Shrubs
34 5-Gallon Shrubs

SMU Blvd Bridge
Approx 3530 SF of Planter
to be cleared including 10 ⊖
281 CY of New Planting Soil
369 1-Gallon Perennials
369 1-Gallon Ground Covers
78 3-Gallon Shrubs
53 5-Gallon Shrubs
22 Small Trees/Large Shrubs

Mockingbird Lane Bridge
Approx 6500 SF of Planter
to be cleared including 25 ⊖
451 CY of New Planting Soil
679 1-Gallon Perennials
1436 1-Gallon Ground Covers
144 3-Gallon Shrubs
98 5-Gallon Shrubs
40 Small Trees/Large Shrubs

McCommas Blvd Bridge
Approx 800 SF of Planter
to be cleared
55 CY of New Planting Soil
133 1-Gallon Grasses
125 3-Gallon Shrubs

PLANT MATERIAL (ONE GALLON) EA 6966
SMALL SHRUBS (THREE GALLON) EA 589
MEDIUM SHRUBS (FIVE GALLON) EA 316
SMALL TREES/LARGE SHRUBS EA 141 *

PLANTING SOIL CY 1659
TREE TRIMMING/BRUSH REMOVAL MI 225

⊖ TREE REMOVAL (4-12 INCHES) EA 59 (49 on bridges, 9 in terraces)
⊙ TREE REMOVAL (12-18 INCHES) EA 8 (8 in terraces)
⊙ TREE REMOVAL (18-24 INCHES) EA 10 (10 in terraces)
* (includes 48 in planting terraces)

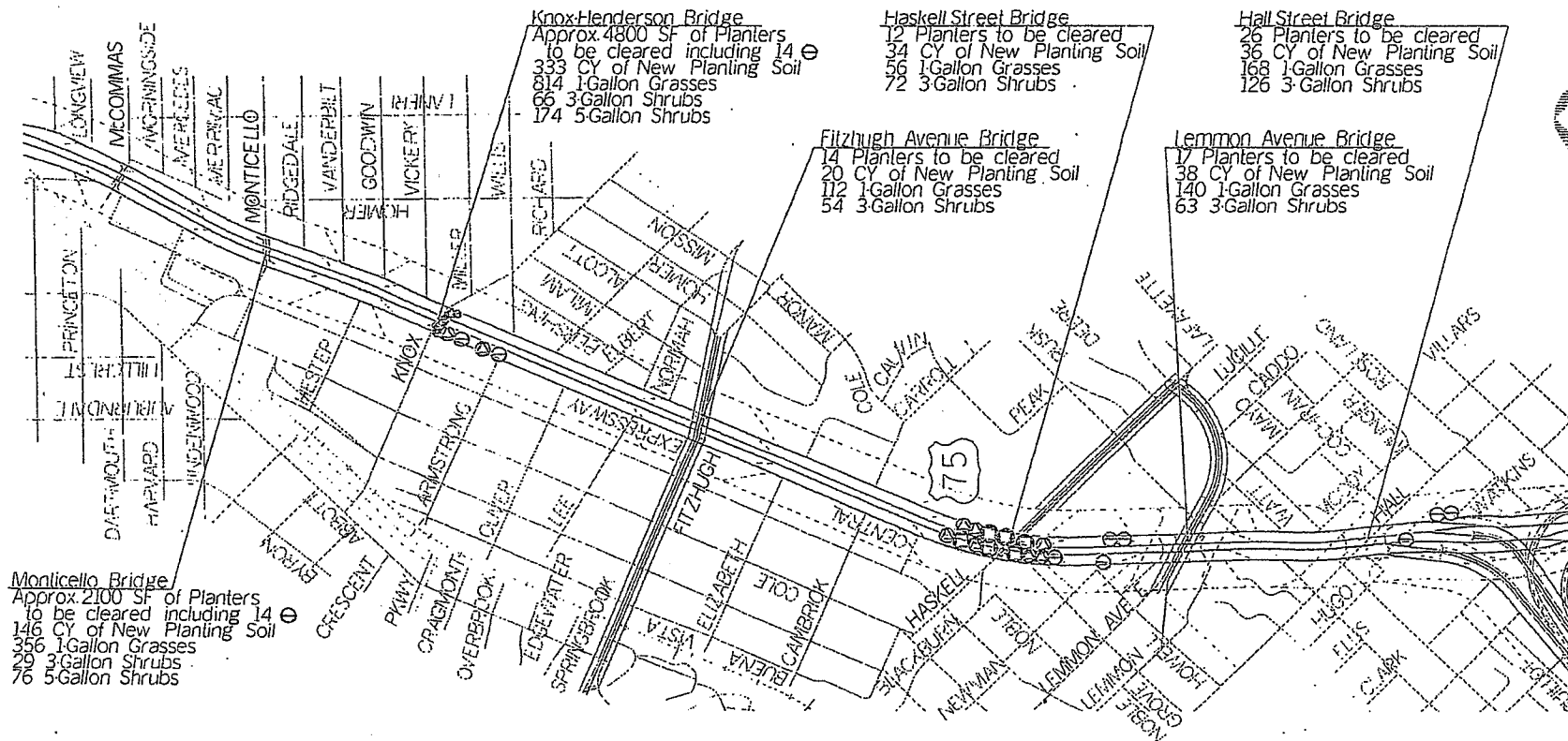


Patrick J. Haigh
Signature of Registered Professional
Date

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PLANTER LOCATION SHEET

SCALE: 1" = 1000'				SHEET 3 of 4	
DESIGN	REV. NO.	FEDERAL AID PROJECT NO.	HIGHWAY NO.		
XXXX	6	(See Title Sheet)	US 75		
STATE	DISTRICT	COUNTY	SHEET		
TEXAS	DALLAS	Dallas	27		
CONTROL	SECTION	JOB			
XXXX	0047	07	220		



Monticello Bridge
Approx. 2100 SF of Planters
to be cleared including 14 ⊕
146 CY of New Planting Soil
356 1-Gallon Grasses
29 3-Gallon Shrubs
76 5-Gallon Shrubs

Knox-Henderson Bridge
Approx. 4800 SF of Planters
to be cleared including 14 ⊕
333 CY of New Planting Soil
814 1-Gallon Grasses
66 3-Gallon Shrubs
174 5-Gallon Shrubs

Haskell Street Bridge
12 Planters to be cleared
34 CY of New Planting Soil
56 1-Gallon Grasses
72 3-Gallon Shrubs

Hall Street Bridge
26 Planters to be cleared
36 CY of New Planting Soil
168 1-Gallon Grasses
126 3-Gallon Shrubs

Fitzhugh Avenue Bridge
14 Planters to be cleared
20 CY of New Planting Soil
112 1-Gallon Grasses
54 3-Gallon Shrubs

Lemmon Avenue Bridge
17 Planters to be cleared
38 CY of New Planting Soil
140 1-Gallon Grasses
63 3-Gallon Shrubs

ORNAMENTAL GRASSES (ONE GALLON)	EA	1646
SMALL SHRUBS (THREE GALLON)	EA	410
MEDIUM SHRUBS (FIVE GALLON)	EA	250
SMALL TREES/LARGE SHRUBS	EA	31 (terraces)
PLANTING SOIL	CY	607
TREE TRIMMING/BRUSH REMOVAL	MI	2.47
⊕ TREE REMOVAL (4-12 INCHES)	EA	37 (3 in terraces, 28 on bridges)
⊗ TREE REMOVAL (12-18 INCHES)	EA	9 (9 in terraces)
⊙ TREE REMOVAL (18-24 INCHES)	EA	6 (6 in terraces)



Signature of Registered Professional
Date

Texas Department of Transportation © 2010			
PLANTER LOCATION SHEET			
SCALE: 1" = 1000'	SHEET 3 OF 4		
DESIGN XXX	FED. PROJ. NO. 6	FEDERAL AID PROJECT NO. (See Title Sheet)	
DRAWINGS XXX	STATE TEXAS	DISTRICT DALLAS	COUNTY Dallas
CHECK XXX	CONTROL 0047	SECTION 07	JOB 220
DATE XXX	SHEET NO. 28		

APPLY COMPOST MANUFACTURED TOPSOIL TO BRIDGE PLANTERS WHERE EXISTING PLANTS HAVE BEEN REMOVED. AVERAGE DEPTH ESTIMATED AT 18". INCORPORATE PRE-GELLED WATER ABSORBENT POLYMER (AS DESCRIBED IN GENERAL NOTES) AT A RATE OF TWO POUNDS (2#) DRY WEIGHT PER CUBIC YARD OF SOIL. MIX POLYMER AT COMPOST FACILITY OR OTHER APPROVED MIXING SITE. PROVIDE LETTER CERTIFYING EVEN DISTRIBUTION OF POLYMER AT SPECIFIED RATE FROM COMPOST SUPPLIER. INSTALL CMT IN PLANTERS ON THE HALL ST., HASKELL ST., McCOMMAS AVE. BRIDGES, AND 2 OF THE 4 PLANTERS ON THE KNOX-HENDERSON BRIDGE.

PLANTER LOCATIONS NOT LISTED ABOVE WILL BE BACKFILLED WITH PLANT SOIL MIX UNDER ITEM 192. POLYMER WILL NOT BE REQUIRED TO BE INCORPORATED INTO THIS SOIL MIX.

BEGIN WORK AND INSTALL PLANT MATERIAL AS SOON AS PRACTICAL DURING COURSE OF CONTRACT ALLOWING MAXIMUM ESTABLISHMENT TIME FOR NEW PLANT MATERIAL.

ONE GALLON GRASSES ABOVE SHALL CONSIST OF A VARIETY OF NATIVE & ADAPTED ORNAMENTAL GRASSES. PROVIDE AT LEAST FOUR DIFFERENT VARIETIES (NONE OF WHICH SHALL MAKE UP MORE THAN 33% OF THE OVERALL MIX). ACCEPTABLE VARIETIES INCLUDE LITTLE BLUESTEM, MEXICAN FEATHER GRASS, PURPLE THREEAWN, WEEPING LOVEGRASS, BLUE GRAMA, SIDEOTS GRAMA, LINDHEIMER'S MUHLY, AND SEEP MUHLY. OTHER SPECIES MAY BE APPROVED BY LANDSCAPE ARCHITECT AT TIME OF PLANTING.

DEPENDING ON AVAILABILITY OF CERTAIN GRASS SPECIES, FOUR INCH (4") POTS MAY BE SUBSTITUTED ON A 2.5:1 RATIO FOR ONE GALLON CONTAINERS. OBTAIN APPROVAL FROM ENGINEER PRIOR TO MAKING THIS SUBSTITUTION.

ONE GALLON PERENNIALS SHALL CONSIST OF PLANTS SELECTED BY LANDSCAPE ARCHITECT BASED ON THE AVAILABILITY AT TIME OF PLANTING. MIXTURE SHALL CONSIST OF AT LEAST FOUR DIFFERENT SPECIES WITH NO ONE SPECIES MAKING UP MORE THAN 33% OF THE TOTAL QUANTITY. ACCEPTABLE SPECIES MAY INCLUDE COREOPSIS, PAVONIA, PURPLE CONEFLOWER, TRAILING LANTANA, DAYLILY. OTHER SPECIES MAY BE APPROVED BY LANDSCAPE ARCHITECT AT TIME OF PLANTING.

ONE GALLON GROUND COVER PLANTS SHALL CONSIST OF A VARIETY OF EVERGREEN SPREADING PLANTS SUCH AS ASIAN JASMINE, LIRIOPE, DAYLILY, PURPLE WINTERCREEPER, FROG FRUIT. OTHER SPECIES MAY BE APPROVED AT TIME OF PLANTING.

3-GALLON & 5-GALLON PLANT MATERIAL SHOWN ABOVE SHALL CONSIST OF BROADLEAF ORNAMENTALS SELECTED BY LANDSCAPE ARCHITECT BASED ON THE AVAILABILITY AT TIME OF PLANTING. MIXTURE WILL CONSIST OF AT LEAST THREE DIFFERENT VARIETIES. OPTIONS INCLUDE ABELIA, PRIMROSE JASMINE, CORAL HONEYSUCKLE (NOT JAPANESE), AUTUMN SAGE, TEXAS SAGE, DAMIANITA, ETC. PLANTERS THAT CONTAIN IRRIGATION MAY ALSO INCLUDE KNOCK OUT ROSES, INDIAN HAWTHORN, CHINESE FRINGEFLOWER OR OTHERS APPROVED AT TIME OF PLANTING.

FIFTEEN GALLON PLANT MATERIAL SHALL CONSIST OF SMALL TREES OR LARGE SHRUBS TO BE INSTALLED IN PLANTING TERRACES, AND IN THE PLANTERS OF SOME OF THE BRIDGES. THE PLANTS FOR TERRACE PLANTING SHALL BE SUITED TO THE NORTH CENTRAL TEXAS AREA AND MAY INCLUDE DESERT WILLOW, MEXICAN PLUM, REDBUD (OKLAHOMA OR MEXICAN VARIETIES ONLY), OR SPECIES APPROVED BY THE LANDSCAPE ARCHITECT. PLANTS FOR THE IRRIGATED PLANTERS MAY ALSO INCLUDE OTHER SPECIES SUCH AS YAUPOH HOLLY BASED ON LANDSCAPE ARCHITECT'S APPROVAL.

MULCH LAYER SUBSIDIARY TO ITEMS 192 & 193.

ESTIMATED QUANTITIES

ITEM-DESC	DESCRIPTION	QTY.	UNIT	SPACING
161-2006	COMPOST MANUF TOPSOIL (PB)	292	CY	
192-2002	ORNAMENTAL GRASSES (1 GAL)	2408	EA	18" o.c.
192-2002	GROUND COVER PLANTS (1 GAL)	4639	EA	18" o.c.
192-2002	PERENNIALS (1 GAL)	2194	EA	18" o.c.
192-2003	PLANT MATERIAL (3 GAL)	1152	EA	30" o.c.
192-2004	PLANT MATERIAL (5 GAL)	566	EA	48" o.c.
192-2005	PLANT MATERIAL (15-GALLON)	172	EA	15' o.c.
192-2014	PLANT SOIL MIX	2130	CY	
193-2001	PLANT MAINTENANCE	6	MO	see notes below
193-2006	VEGETATIVE WATERING	250.0	MG	

MULCH LAYER SUBSIDIARY TO ITEMS 192 & 193.

PLANT MAINTENANCE LISTED ABOVE SHALL BEGIN UPON COMPLETION OF THE 90-DAY MAINTENANCE PERIOD REQUIRED UNDER ITEM 192, AND SHALL EXTEND UNTIL THE END OF SEPTEMBER 2012. THERE WILL BE NO EXTENSION OF THE MAINTENANCE PERIOD BEYOND SEPTEMBER 2012 TO COMPLETE THE ESTIMATED SIX MONTHS SHOWN ON THE PLANS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLANT REPLACEMENT AT THEIR COST DURING BOTH THE 90-DAY MAINTENANCE PERIOD, AND THE MAINTENANCE PROVIDED UNDER ITEM 193.

VEGETATIVE WATERING SHALL BE DELIVERED IN SUCH A MANNER AS TO NOT DISRUPT THE SOIL BED AND MULCH PLACED IN THE BRIDGE PLANTERS.

ESTIMATE FOR VEGETATIVE WATERING IS BASED ON DELIVERING THE ADDITIONAL WATER (ABOVE NORMAL RAINFALL) TO PROVIDE TWO INCHES (2") OF WATER PER WEEK. DUE TO THE SOIL MAKEUP IN THE PLANTERS, DELIVERY OF WATER WILL LIKELY NOT BE REQUIRED ON A WEEKLY BASIS, BUT THE WEEKLY RATE IS USED FOR ESTIMATION.

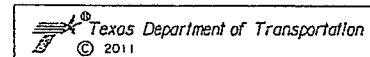
CONTACT ENGINEER PRIOR TO INITIATING WATERING CYCLES.

MAINTAIN PLANTING BED AREAS WEED AND GRASS FREE THROUGHOUT THE CONTRACT PERIOD (THROUGH BI-WEEKLY WEEDING).

MAINTAIN MINIMUM 2" MULCH LAYER THROUGHOUT CONTRACT PERIOD.



Patrick J. Haigh
Signature of Registered Professional & Date *11/20/12*



PLANT MATERIAL INFORMATION

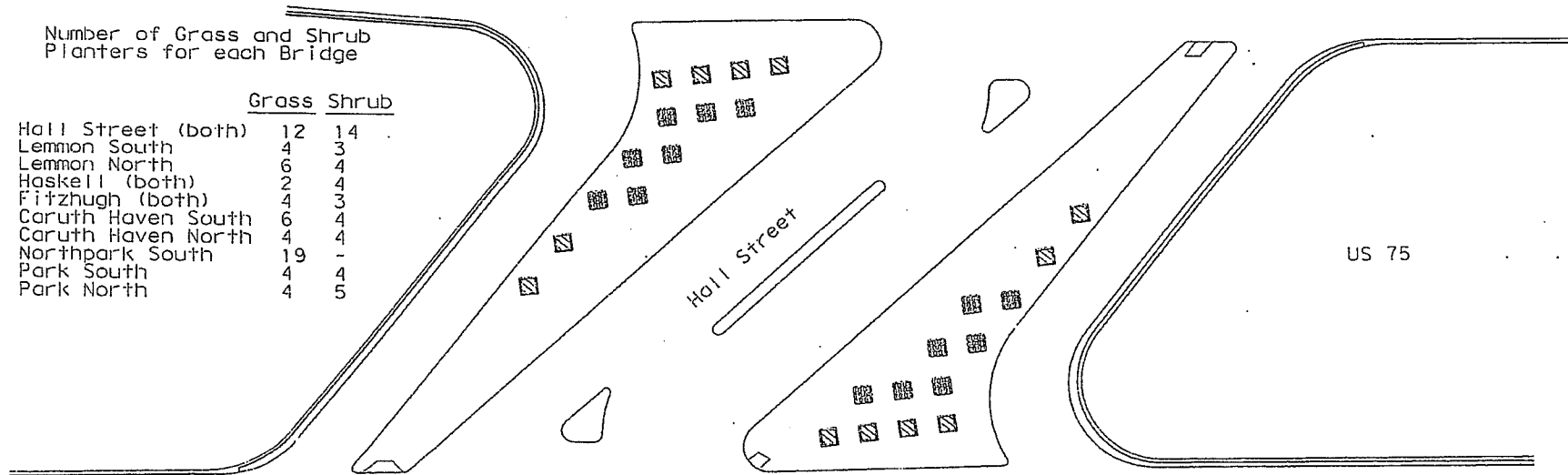
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DESIGN	6	(See Title Sheet)		US 75
SECTION	6	STATE	DISTRICT	COUNTY
XXX	TEXAS	DALLAS	Dallas	
XXX	CONTRACT	SECTION	JOB	
XXX	0047	07	220	

- 126 Small Shrubs
- ▣ 161 Ea. Grasses

Quantities shown are for Hall Street only;
see sheet 25-28 for actual plant quantities.

Number of Grass and Shrub
Planters for each Bridge

	Grass	Shrub
Hall Street (both)	12	14
Lemmon South	4	3
Lemmon North	6	4
Haskell (both)	2	4
Fitzhugh (both)	4	3
Caruth Haven South	6	4
Caruth Haven North	4	4
Northpark South	19	-
Park South	4	4
Park North	4	5



Typical Planting Concept
for Bridges with Planter Pots
See Planter Location Sheets for
actual Quantities for each bridge

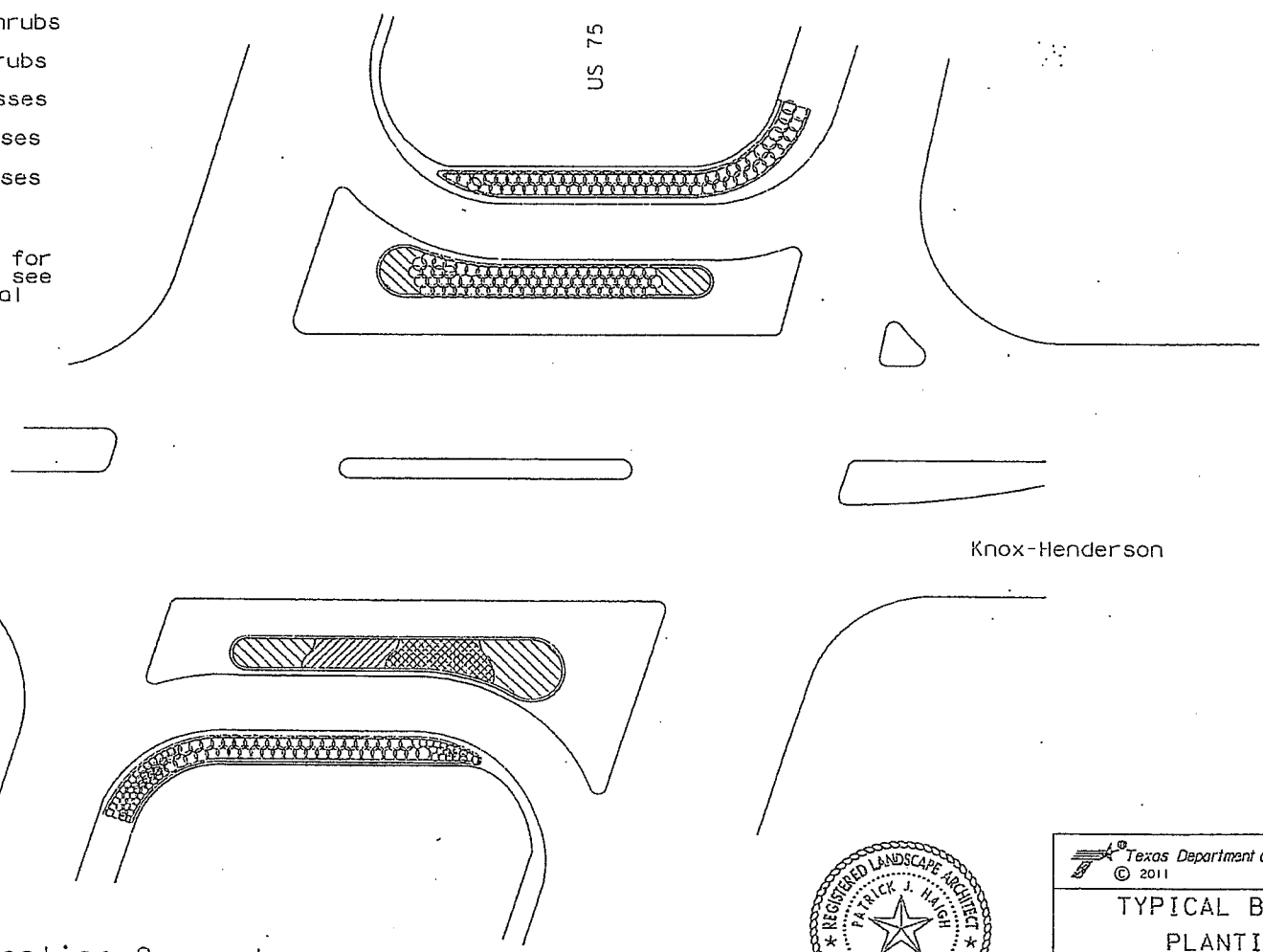


Patrick J. Haigh
Signature of Registrant Date 20 June 2011

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TYPICAL BRIDGE PLANTING			
SCALE: 1" = 40'-0"		SHEET 1 OF 3	
SECTION XXX	FED. AID DIVISION 6	FEDERAL AID PROJECT NO. (See Title Sheet)	
STATE TEXAS	DISTRICT DALLAS	COUNTY Dallas	US 75
CHECK XXX	CONTROL SECTION	JOB 220	SHEET NO. 30

- 181 Medium Shrubs
- 68 Small Shrubs
- ▨ 1163 SF Grasses
- ▨ 322 SF Grasses
- ▨ 413 SF Grasses

Quantities shown are for Knox-Henderson only; see sheet 25-28 for actual plant quantities.



Typical Planting Concept
for Bridges with Built-In Planters
See Planter Location Sheets for
actual Quantities for each bridge

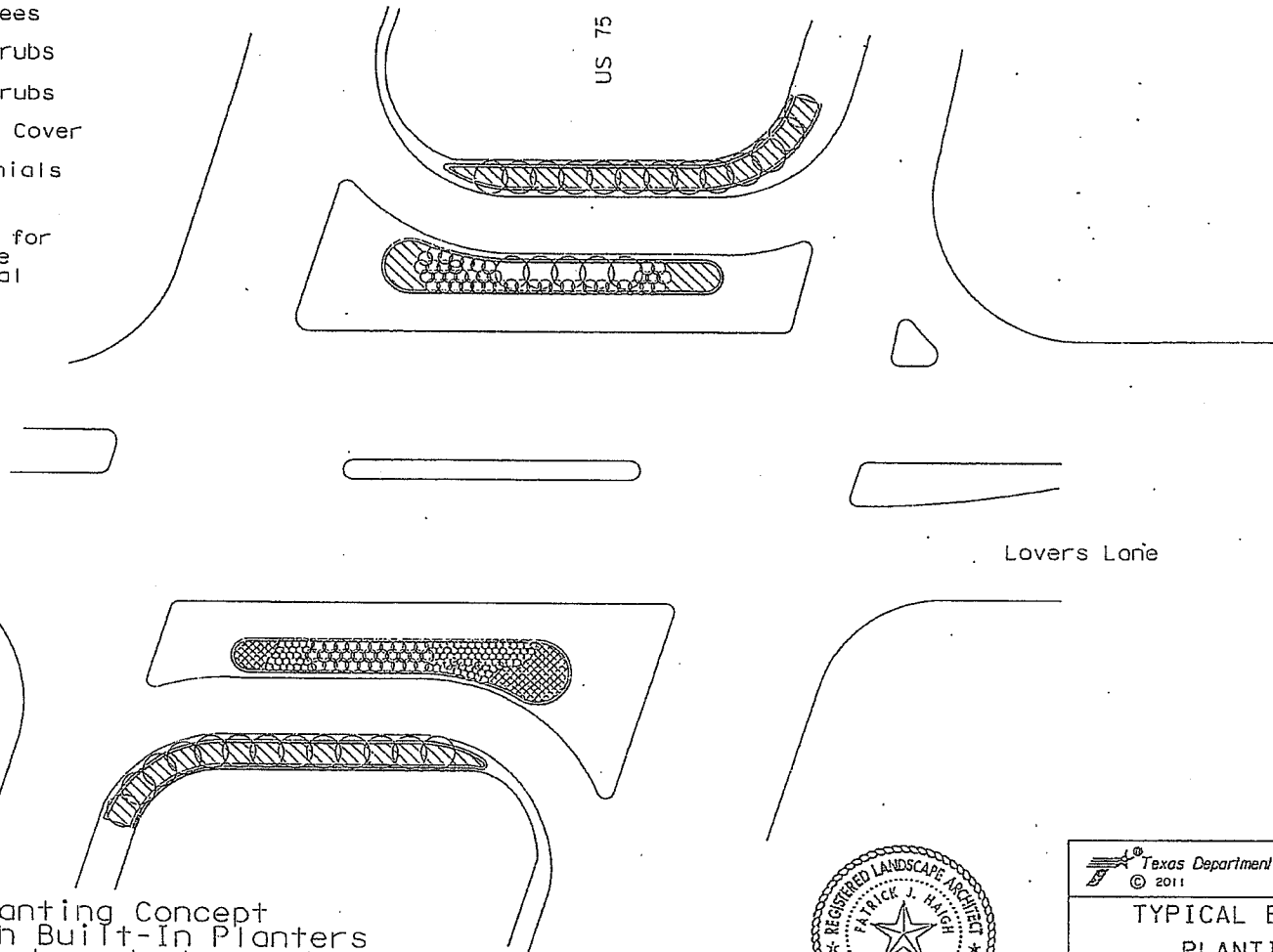


Patrick J. Hight
Signature of Registered Professional & Date 20 June 2011

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TYPICAL BRIDGE PLANTING			
SCALE: 1" = 40'-0"		SHEET 2 OF 3	
SECTION XXX	SYMBOL 6	FEDERAL AID PROJECT NO. (See Title Sheet)	HIGHWAY NO. US 75
QUANTITIES XXX	STATE TEXAS	DISTRICT DALLAS	COUNTY DALLAS
PRICE XXX	CONTROL 0047	SECTION 07	JOB 220
			31

- 31 Small Trees
- 75 Medium Shrubs
- 110 Small Shrubs
- ▨ 2475 SF Ground Cover
- ▩ 520 SF Perennials

Quantities shown are for Lovers Lane only; see sheet 25-28 for actual plant quantities.



Typical Planting Concept
for Bridges with Built-In Planters
and Irrigation Systems to be restored
Applies to Mockingbird, SMU, University,
Lovers, and Southwestern
See Planter Location Sheets for
actual Quantities for each bridge



Patrick J. Haigh
Signature of Registrant & Date

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TYPICAL BRIDGE PLANTING			
SCALE: 1" = 40'-0"		SHEET 3 OF 3	
DESIGN XXX	FED. RD. DIST. NO. 6	FEDERAL AID PROJECT NO. (See Title Sheet)	
GRAPHICS XXX	STATE	DISTRICT	US 75
CHECK XXX	TEXAS	DALLAS	Dallas
CHECK XXX	CONTROL	SECTION	220
	0047	07	32

ESTIMATED SPRINKLER QUANTITIES
& FLOW RATES FOR EACH ZONE
(based on Lovers Lane plans shown)

Mockingbird Bridge -
Zone L3 - 38 sprays, 17.7 gpm
Zone L4 - 30 sprays, 29.9 gpm
Zone L5 - 23 sprays, 23.75 gpm
Zone L12 - 28 sprays, 27.8 gpm

SMU Bridge -
Zone P6 - 37 sprays, 17.1 gpm
Zone P7 - 38 sprays, 17.7 gpm
Zone M3 - 38 sprays, 17.7 gpm

University Bridge -
Zone M5 - 38 sprays, 17.8 gpm
Zone P16 - 37 sprays, 18.3 gpm

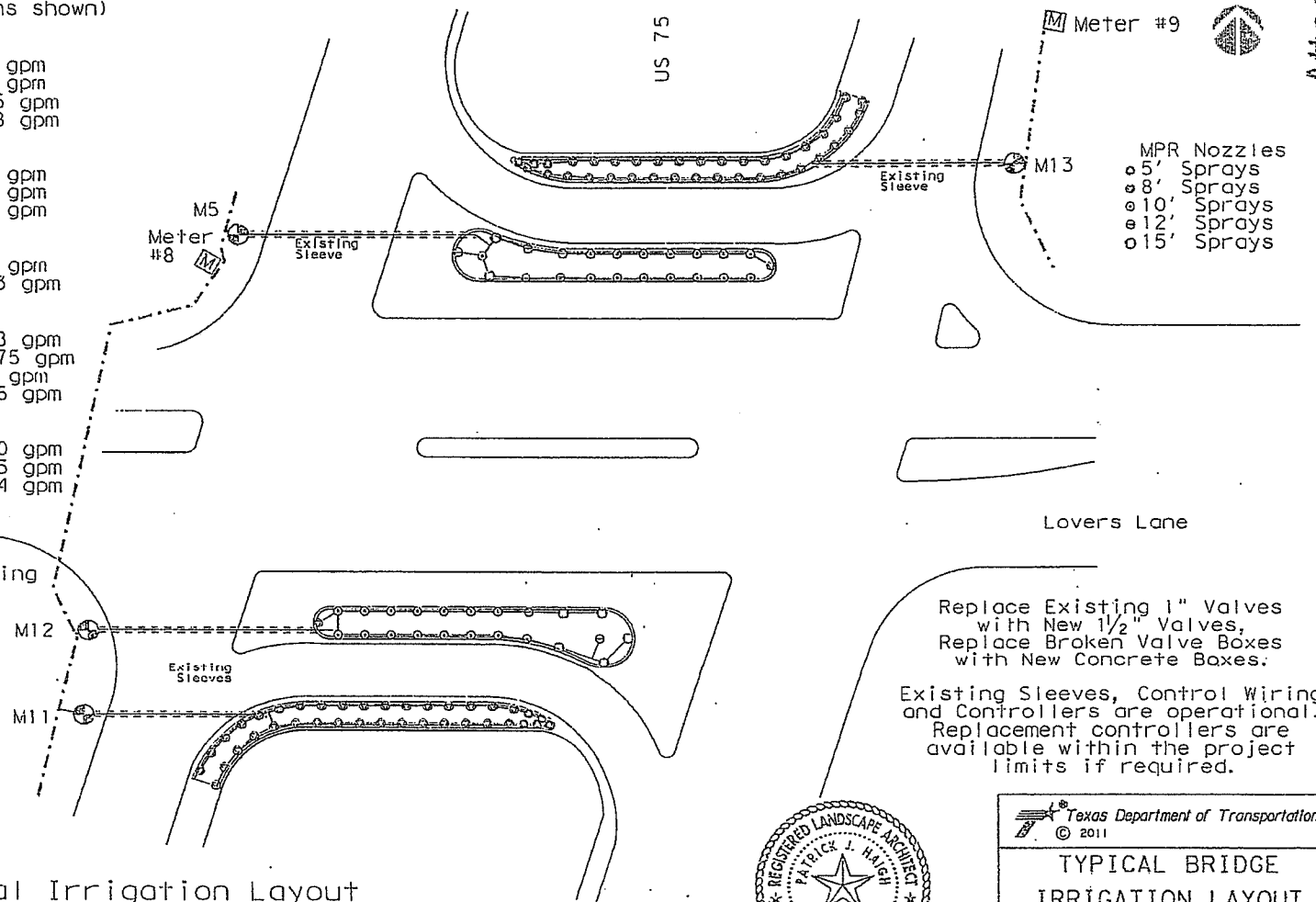
Lovers Lane Bridge -
Zone M11 - 37 sprays, 17.8 gpm
Zone M12 - 23 sprays, 23.75 gpm
Zone M5 - 23 sprays, 22.5 gpm
Zone M13 - 38 sprays, 17.6 gpm

Southwestern Bridge -
Zone Q11 - 38 sprays, 18.0 gpm
Zone Q13 - 38 sprays, 18.5 gpm
Zone Q15 - 39 sprays, 19.4 gpm

New PVC Lateral Line Sizing
1/2" for flows < 5 fps
3/4" for flows < 9 fps
1" for flows < 15 fps
1 1/4" for flows < 24 fps
1 1/2" for flows < 33 fps

New PE tubing in sleeve
1" for flows < 12 fps
1 1/4" for flows < 22 fps
1 1/2" for flows < 30 fps

Typical Irrigation Layout
for Bridges with Built-In Planters
and Irrigation Systems to be restored
Applies to Mockingbird, SMU, University,
Lovers, and Southwestern



Replace Existing 1" Valves
with New 1 1/2" Valves,
Replace Broken Valve Boxes
with New Concrete Boxes.

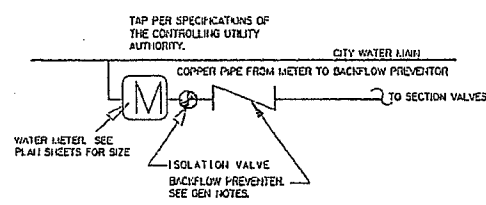
Existing Sleeves, Control Wiring
and Controllers are operational.
Replacement controllers are
available within the project
limits if required.



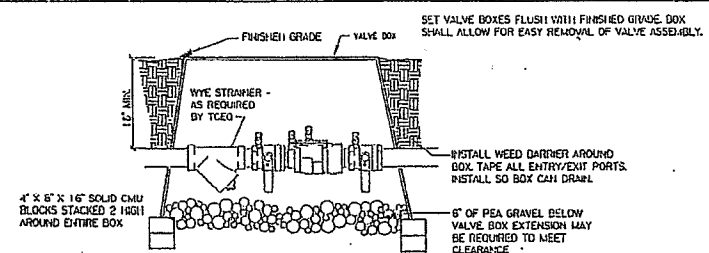
Patrick J. Haigh
Signature of Registrant Date 26 July 2011

Texas Department of Transportation © 2011			
TYPICAL BRIDGE IRRIGATION LAYOUT			
SCALE: 1" = 40'-0"			
DESIGN XXX GRAPHICS XXX	FED. RD. DIST. NO. 6	FEDERAL AID PROJECT NO. (See Title Sheet)	HIGHWAY 75
STATE TEXAS	DISTRICT DALLAS	COUNTY Dallas	SHEET 33
CHECK XXX	CONTRACT 0047	SECTION 07	220

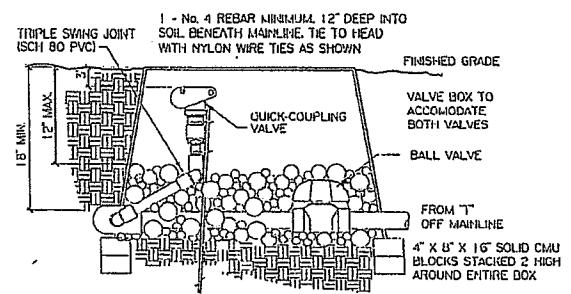
REPLACED 07/29/11 JLG



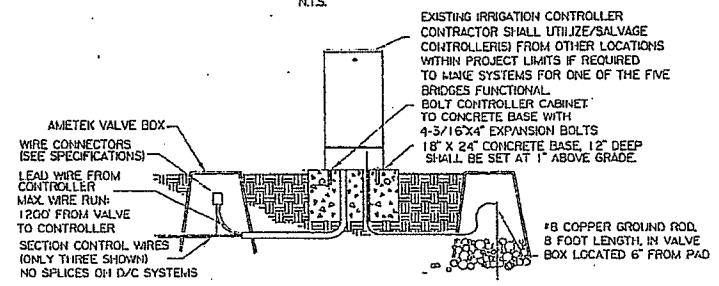
① TYPICAL TAP & METER ASSEMBLY
SPACE VALVES 16" DIA. TO 36" DIA. APART
N.T.S.



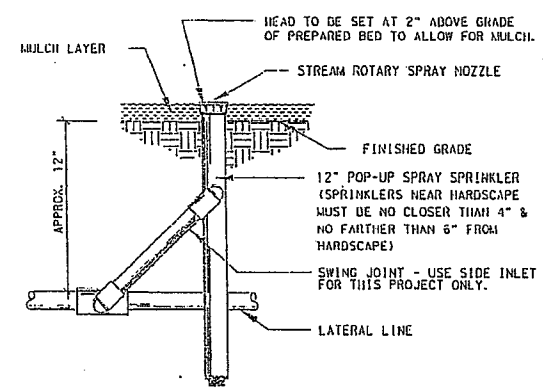
② DOUBLE CHECK VALVE ASSEMBLY
N.T.S.



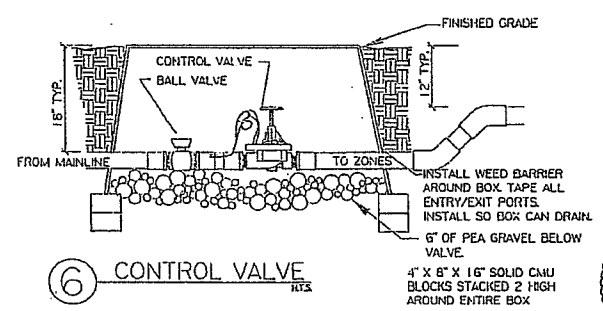
③ QUICK-COUPLING VALVE
N.T.S.



④ PEDESTAL MOUNTED CONTROLLER
N.T.S.



⑤ HIGH POP SPRINKLER
N.T.S.



⑥ CONTROL VALVE
N.T.S.



Signature of Registered Architect
2678 2011

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IRRIGATION DETAILS				
SECTION	SHEET NO.	FEDERAL AID PROJECT NO.	HIGHWAY NO.	
XXX	6	(See Title Sheet)	US 75	
STATE	DISTRICT	COUNTY	SHEET NO.	
TEXAS	DALLAS	DALLAS	34	
CHECK	CONTROL	SECTION	JOB	
0047	07	220		

REPLACED 07/24/11 JLG

GENERAL IRRIGATION NOTES

1. Contractor shall be responsible for referencing Item 170 of the Texas Standard Specifications for Construction of Highways, Streets and Bridges 2004 for specifications, dimensions, volumes and measurements that have been modified or not shown.
2. Backflow preventers shall be tested to ensure proper operation of the device and replaced as necessary. The contractor shall be responsible for all charges, fees, tests, and coordination for any backflow preventer testing, of installation or annual inspection, required by local entity through or phases of the contract.
3. The analysis is diagnostic of the work to be performed. Changes may be required due to varying conditions or as dictated by the engineer.
4. Contractor shall verify location of any underground utilities with appropriate agencies. Underground utilities if shown on the plans are approximate.
5. See IRRIGATION DETAILS AND MATERIALS CHART for materials specifications, sizes, and requirements.

CONSTRUCTION METHODS

1. The contractor shall investigate the site conditions affecting the work and shall furnish details, drawings and shows as may be required to meet site conditions.
2. All irrigation valves, nozzles, backflow preventers, and controllers are existing and operational. Replace valves & extend new PVC lateral lines to plastic lines through existing sleeves or change size, install high pop-up operators in all beds on specified bridges.
3. Damages to the pump or station on the plan shall be permitted with approval in writing from the engineer.
4. Care shall be exercised when excavating near lines. No mechanical trenching shall be permitted below the canopy of existing trees. Contractor shall protect trench walls and/or extend by hand to avoid damage to existing tree root system.
5. Contractor shall coordinate and verify location of signs, wires, traffic lane detector wires, and CTAS wires prior to beginning any work. Damage to any existing lane detector wires, CTAS wires, any other wires, and structures shall be repaired at contractor's expense. Contact TxDOT regional section 0 214-320-6683 for "TxDOT Location".
6. Any underground utilities, high voltage wires, and CTAS wires shown on plans are approximate locations only and shall not release contractor's responsibility of coordinating with appropriate authorities to locate underground utilities, verify size of any structure.
7. Any trenches, ditches and support pipe continuously on bottom of trench. Install pipe to 18 inch grade. Trench bottom shall be clean and smooth with all debris, debris and sharp objects removed. Pipe shall be installed in trench to allow for expansion and contraction. For public safety, plastic construction trenching minimum 4 feet high shall be used around open excavations.
8. Slope and slope requirements, bearing and slope locations shall be checked for accuracy. Bearing depth shall be at 24" below permanent. All bearing and objects shall be continuous and shall extend the full width of the pavement and 3 feet on each side thereof. Bearing and slopes shall be maintained and used for in accordance with Item 618. Additional payments for distances greater than 5 feet beyond permanent will not be made except as already shown on plans. Base excavation pipe must be installed same day as bearing.
9. PVC control for lines and sleeves shall consist of SCH 80 smooth wall pipe with welded joints and seams, and shall be continuous. The size of bore shall not exceed the diameter of control required by the plans by more than 1 inch.
10. Pipe shall not be installed when air temperature is below 40 degrees Fahrenheit. Plastic pipe shall be cut in a manner that will ensure a square cut. Ends of cut ends shall be removed prior to installation so that a smooth unobstructed flow will be obtained.
11. All valve back valves, and speaker bodies shall be thoroughly flushed before installing in order to remove debris.
12. Control wire and wire connections shall be as described in IRRIGATION MATERIALS SPECIFICATIONS CHART. All wire connections and splices shall be made in ground boxes.
13. Completion of the new trenches must be sufficient to test each term section of the trench to no more than 1 inch. The contractor shall connect section greater than 114 without additional compensation.

WARRANTY AND ACCEPTANCE

1. Maintenance period. The irrigation system shall be inspected concurrently with, and subject to, the zone establishment/maintenance period under Items 192 and 193 of the Texas Standard Specifications for Construction of Highways, Streets and Bridges 2004. During the maintenance, establishment, and maintenance period, the contractor shall perform the following activities, at a minimum and to the satisfaction of the engineer:
 - a) Install and maintain the controller program to ensure the proper distribution of water includes replacement of any battery.
 - b) Inspect, repair, and/or replace any equipment that is found defective or may be damaged by other maintenance.
 - c) Insure any equipment that may become necessary to ensure the proper delivery of water to the plant material.
2. As-built drawings upon completion of the required maintenance period, the contractor shall submit to the engineer a set of as-built drawings on reproducible 11x17 inch base sheets. The engineer will check these sheets to be sure they are a true record of the project conditions and will direct the contractor to correct any errors that are found. The drawings shall show all valve locations, a dimension from a fixed object and any change to existing fixed location, from a fixed object and any change to existing fixed location, and showing of main and lateral line lengths of all future shall be approved by the engineer prior to installation.

IRRIGATION MATERIALS SPECIFICATIONS

DESCRIPTION	* EXAMPLE OR EQUAL	SIZE	APPROXIMATE QUANTITIES FOR INFORMATIONAL PURPOSE ONLY
WATER METER	PER LOCAL CODE	Existing	8. IRRIGATION ZONES DESIGNED BASED ON MINIMUM 50 PSI STATIC PRESSURE. NOTIFY LANDSCAPE ARCHITECT PRIOR TO INSTALLING SYSTEM IN THE EVENT STATIC PRESSURE IS LESS THAN 50 PSI.
HIGH POP-UP SPRINKLERS	RAINBIRD 1812-PBS OR TARD 5702-PBS-12P	12" POP UP SPRINKLER BODIES WITH MATCHED PRECIPITATION NOZZLES	543. USE SIDE INLET WHEN DEPTH OF PLANTER DOES NOT ALLOW USE OF BOTTOM INLET. SPRAY DISTANCE HEAD TO HEAD (RADIUS DISTANCE)
REMOTE CONTROL VALVES	RAINBIRD PCD-SERIES OR TARD 252-SERIES	1-1/2 inch	16
MASTER VALVE	RAINBIRD PED-SERIES	-	-
BALL VALVE	SPEARS OR EQUAL	SAME AS LINE SIZE	-
BACKFLOW PREVENTER	FEUCO 850 (OR PER LOCAL CODE)	EXISTING	-
IRRIGATION CONTROLLERS	RAINBIRD ESP-LC SERIES	EXISTING	5 EXISTING CONTROLLERS POWERED BY EXISTING A/C SERVICES. SEVERAL OTHER FUNCTIONING ESP-LC CONTROLLERS ARE LOCATED WITHIN PROJECT LIMITS AND MAY BE UTILIZED IN THE EVENT THAT AN EXISTING CONTROLLER DOES NOT WORK. CHANGING OUT THE CONTROLLERS SHALL BE SUBSIDIARY TO THE ITEM AND NO ADDITIONAL PAYMENT SHALL BE MADE.
PVC CLASS 200 LATERALS AND HEADERS	ADOVE GROUND PIPE INCLUDING BURIED RISERS AND SWING-JOINT COMPONENTS SHALL BE PVC SCH 80 PIPE rated for direct sunlight exposure	As indicated on the plans	USE POLYPROPYLENE FOR LATERAL LINES THROUGH BRIDGE DECK SLEEVES
FITTINGS	All fittings incorporated into system shall be of the same type, size and class material as the pipe		AS NEEDED
CONTROL WIRE	All low voltage control wire shall be color coded. Wire sizes shall conform to the controller manufacturer specifications for maximum distances for specific wire sizes. All wire shall be specifically manufactured for direct burial. All wire connections and splices shall be made in ground boxes. The splice shall be completely waterproof and shall be completely encapsulated within a Tan King Black Splice Connector enclosure or an approved equal.	14 GA.	PROVIDE WIRE COIL EVERY 100 FEET TO ALLOW FOR EXPANSION.
SOLVENT CEMENT	Solvent cement shall be the type recommended by the pipe manufacturer		DO NOT USE BLUE CEMENT. USE A COLORED PRIMER.
VALVE BOXES	Boxes for section valves, below-ground backflow preventers, and quick coupling valves shall be as shown on detail sheet	BOX SIZE SHALL BE MIN. 10" AND ALLOW FOR EASY REMOVAL OF VALVE, ETC.	QUANTITY AS REQUIRED FOR SECTION VALVES, BELOW GROUND BACKFLOW PREVENTERS, QUICK COUPLING VALVES AND ANY ACCESSORIES. PROVIDE WEED BARRIER OR FILTER FABRIC AROUND BOXES TO REDUCE SILTATION. TAPE FABRIC IN PLACE AROUND ENTRY POINTS.
VALVE BOX RISERS	CONCRETE MASONRY UNIT (CMU) BLOCKS STACKED 2 HIGH AS SHOWN IN DETAILS.	4" X 8" X 16"	QUANTITY AS REQUIRED FOR SECTION VALVES, BELOW GROUND BACKFLOW PREVENTERS, QUICK COUPLING VALVES AND ANY ACCESSORIES.
* REFERENCE TO MANUFACTURER'S TRADE NAME OR CATALOG NUMBER IS FOR THE PURPOSE OF IDENTIFICATION ONLY. CONTRACTOR SHALL BE PERMITTED TO FURNISH LINE MATERIALS OF OTHER MANUFACTURERS PROVIDED THEY ARE OF EQUAL QUALITY AND COMPLY WITH SPECIFICATIONS FOR THIS PROJECT AND ARE APPROVED BY THE ENGINEER.			



Signature of Registrar: *Patrick J. Haigh* Date: *26 July 2011*

<p>Texas Department of Transportation © 2011</p>			
<p align="center">IRRIGATION GENERAL NOTES & MATERIAL SPECIFICATIONS</p>			
DESIGN XXX	FED. RD. DISTRICT 6	FEDERAL AID PROJECT NO. (See Title Sheet)	HIGHWAY US 75
CHECK XXX	STATE DISTRICT TEXAS	COUNTY DALLAS	SHEET 65
CHECK XXX	SECTION 0047	SECTION 07	220

A REVISION 07/29/11 JLG

To whom it may concern:

This division is responsible for the city's self-insured workers compensation and general and automobile liability programs. This letter lists the limits applicable to this city.

The City and its employees are protected as follows:

Workers Compensation Insurance: Statutory limits. All employees are covered by this insurance.

Comprehensive General Liability Insurance:

Bodily Injury, at least \$500,000 each occurrence

Property Damage, at least \$100,000 each occurrence, at least \$100,000 for aggregates.

Comprehensive Automobile Liability Insurance:

At least \$600,000 Combined Single Limit

Luanne Hanford
Signature

12/22/11
Date

Luanne Hanford
Printed Name

Dir. of Human Resources/Risk Manager
Title

This should be signed by a responsible city official and include a contact telephone number.