



# COLLIN COUNTY

Office of the Purchasing Agent  
2300 Bloomdale Road  
Suite 3160  
McKinney, Texas 75071  
[www.collincountytx.gov](http://www.collincountytx.gov)

COLLIN COUNTY, TEXAS

ADDENDUM No. One (1)

IFB No. 2020-272

INVITATION FOR BID

FOR

CONSTRUCTION, NEW OFFICE BUILDING FOR PRECINCT 2  
JUSTICE OF THE PEACE & CONSTABLE

DATE: JUNE 26, 2020

NOTICE TO ALL PROSPECTIVE BIDDERS:

PLEASE MAKE THE FOLLOWING CHANGES TO THE INVITATION FOR BID:

ADD DOCUMENT: PRE-BID ATTENDEE LIST

ADD DOCUMENT: PRE-BID QUESTIONS & ANSWERS

ADD DOCUMENT: ARCHITECT'S ADDENDUM No. 1

DELETE DOCUMENT: SECTION 00 01 10  
REPLACE WITH: SECTION 00 01 10 REVISED

DELETE DOCUMENT: SECTION 23 05 93  
DELETE DOCUMENT: SECTION 23 08 00  
DELETE DOCUMENT: SECTION 23 09 01  
DELETE DOCUMENT: SECTION 23 09 23  
DELETE DOCUMENT: SECTION 21 11 00

DELETE DOCUMENT: SECTION 01 23 00  
REPLACE WITH: SECTION 01 23 00 REVISED

DELETE DOCUMENT: SHEET LV2  
REPLACE WITH: SHEET LV2 REVISED

ADD DOCUMENTS: SHEETS L1 THROUGH L6

ADD LINE ITEM: #4, BID ALTERNATE TWO (2)

ADD ATTRIBUTE: #24-ADDENDUM No. 1 ACKNOWLEDGEMENT

DELETE DOCUMENT: SECTION 004100-BID FORM

REPLACE WITH:

SECTION 004100-BID FORM ADDENDUM 1

ALL OTHER TERMS AND CONDITIONS OF THE BID AND SPECIFICATIONS REMAIN THE SAME.

SINCERELY,  
MICHALYN RAINS, CPPO, CPPB  
PURCHASING AGENT

JDG

**Construction, New Office Building for Precinct 2 Justice of the Peace & Constable**

**Pre-Bid Conference Attendee List**

**June 16, 2020 at 1:30 PM via Webex**

Vendor Attendees

3i Contracting

Alpha Building Corporation

Archer Construction & Design

Cloud Construction

CMC Development & Construction Corporation

Construction Zone

Crossland Construction Company

DR Associates

EJ Smith Construction

Fast General Contracting

GFC Contracting

GMA Construction Group of Texas

GRB Service Systems/dba Southwestern Services

Henthorn Commercial

JC Commercial

JM Construction Solutions

MPak Construction

Mart Inc.

McGough Construction

MSB Constructors

Nouveau Construction and Technology Services

Pecos Construction

Perry Construction

RKM General Contractors

**IFB 2020-272**

**Construction, New Office Building for Precinct 2 Justice of the Peace & Constable**

**Pre-Bid Conference Attendee List**

**June 16, 2020 at 1:30 PM via Webex**

Schmoldt Construction

SDB Contracting Services

Tegrity Contractors

The Christman Company

Weil Construction

Westmoreland Builders

Collin County Attendees

J.D. Griffin

Hunter Alley

Bill Burke

Brad Harris

Kent Spurgin – Spurgin & Associates Architects

IFB 2020-272  
Construction, New Office Building for Precinct 2 Justice of the Peace & Constable  
Pre-Bid Conference Questions and Answers  
June 16, 2020 at 1:30 PM via Webex

**Question 1: Is this going to be a court of record?**

Answer: No, see question 5

**Question 2: MWBE requirements?**

Answer: There are no MWBE requirements.

**Question 3: Is there a budget?**

Answer: \$1,500,000.00

**Question 4: Will the bids be publicly posted or read?**

Answer: Refer to Attribute 1-Solicitation Submittals: In an effort to avoid person-to-person interaction to comply with the latest Order issued to prevent the spread of COVID-19, Collin County Purchasing will temporarily only accept IFB, RFP, RFQ and Quote submittals electronically in lonwave (eBid) or via parcel carrier until further notice. Please do not deliver your solicitation response in person. All bid openings will be completed on schedule and witnessed by Collin County Purchasing staff to ensure all procurement statutes, policies and state laws are followed. A bid tabulation will be available on Collin County eBid when the bid closes.

**Question 5: (1) Is the intent of the building be to serve as a court of record? (2) If so will the GC be responsible for the recording system or just the rough-in?**

Answer: (1) This building is not a court of record. (2) Rough in only. See the conduit pathways and boxes shown on E2.

**Question 6: Has the phasing of the fire lanes already been addressed with the Bank? If so, how do they propose to keep access to the drive thru and dumpster pad?**

Answer: See notes on civil plan C1-1 and C2-1 for staging.

**Question 7: When can we expect the 2nd set of drawings?**

Answer: Tentatively, at the end of next week.

**Question 8: Anticipated start date?**

Answer: Late August, early September

**Question 9: Is there a Set Schedule (calendar days)?**

Answer: The County asks bidder to provide the number of days on their bid response.

**Question 10: Is the 1.5 Million budget for construction only or include owner FFE and design fees?**

Answer: Budget is for construction only.

IFB 2020-272

Construction, New Office Building for Precinct 2 Justice of the Peace & Constable  
Pre-Bid Conference Questions and Answers  
June 16, 2020 at 1:30 PM via Webex

**Question 11: Will a list of participants be posted?**

Answer: Yes

**Question 12: Are permit fees being waived?**

Answer: There is no charge for the Collin County construction permit. The contractors may have a registration fee with county.

**Question 13: Will inspections be performed by the County or by third party by City of Lavon?**

Answer: Collin County will provide the construction inspections.

**Question 14: Rules for working on CC property?**

Answer: Nothing specific at the moment

**Question 15: 3rd party inspections are not paid for by the county. Is the GC responsible?**

Answer: Only if the initial inspection failed. The GC will be responsible for coordinating/scheduling any inspections.

New Office Building for  
Precinct 2 Justice of the Peace & Constable  
121 Private Road 5681  
Texas 78 at Texas 205  
Lavon, Texas 75166

Spurgin & Associates Architects  
103 W. Louisiana Street  
McKinney, Texas 75069  
Tel 972-562-5368  
Email kent@spurginarchitects.com

#### Architect's Addendum Number One

- Item 1: Delete Spec Sections 23 05 93 Testing, Adjusting and Balancing for HVAC, 23 08 00 Commissioning of HVAC, 23 09 01 HVAC Building Master Control Front End & 23 09 23 Direct Digital Control System for HVAC in their entirety; Collin County will pay for and complete this work via third party vendors.
- Item 2: Delete Spec Section 21 11 00 Fire Suppression Sprinklers in its entirety; there is no automatic fire suppression sprinkler system in this project.
- Item 3: Replace existing Spec Section 01 23 00 Alternates with Revised Section 01 23 00 Alternates attached which now includes a description of Alternate Bid No. Two to provide and install Surveillance System Equipment shown on Revised Sheet LV2 in Item 4 below.
- Item 4: Replace existing Sheet LV2 with Revised Sheet LV2 attached which now includes a list of surveillance system equipment. Bidders shall include an Add Alternate Price in the appropriate space on the Bid Form to include this system in the project.
- Item 5: Replace existing Spec Section 00 41 00 Bid Form with Revised Spec Section 00 41 00 Bid Form attached which now includes the appropriate blanks for Alternate Bid Number Two - Surveillance System Equipment.
- Item 6: Insert attached Landscape and Irrigation Drawings L1-L6 into the Construction Documents.
- Item 7: Replace existing Spec Section 00 01 10 Table of Contents with Revised Section 00 01 10 Table of Contents attached which has five (5) spec sections removed-see Items 1 & 2 above.
- Item 8: Approved substitutions:
- A. Spec Section 08 56 67 Bullet Resistant Steel Transom Windows - Model STW Bullet-Resistant Transom Window manufactured by Chicago Bullet Proof is an approved substitute for the specified product(s).
  - B. Spec Section 07 54 23 Thermoplastic-Polyolefin Roofing - TPO-c80 Reinforced TPO Membrane Roofing System manufactured by Mule-Hide Products Co., Inc. is an approved substitute for the specified product(s).
  - C. Spec Section 08 41 13 Aluminum Framed Entrances & Storefronts - Series IT451 Storefront System and Series 850 Durafront Entrance Systems as manufactured by United States Aluminum are an approved substitute for the specified product(s).

End of Addendum Number One

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**01 23 00  
ALTERNATES**

1.0 GENERAL

1.01 SUMMARY

- A. This Section includes administrative and procedural requirements governing Alternative Bids.

1.02 PROCEDURES

- A. General:
1. Alternative Bid sums shall be added to or deducted from the Base Bid sum if the Owner elects to accept the corresponding change in either the scope of the Work, or in the products, materials, equipment, systems, or installation methods described in the Contract Documents.
  2. Include as part of each Alternative Bid all costs, including materials, installation and fees.
  3. Include as part of each Alternative Bid, miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation whether or not mentioned as part of the Alternative Bid.
  4. Show the proposed Alternative Bid sums opposite their proper description on the Bid Form.
- B. Coordination: Modify or adjust affected adjacent Work as necessary to completely and fully integrate that Work into the Project.
- C. Notification: Immediately following award of the Contract, notify each party involved, in writing, of the status of each Alternative Bid. Indicate whether Alternative Bids have been accepted, rejected, or deferred for consideration at a later date. Include a complete description of negotiated modifications to Alternative Bids.
- D. Execute accepted Alternative Bids under the same conditions as other Work of this Contract.
- E. Schedule: A Schedule of Alternative Bids is included at the end of this Section. Specification Sections referenced in the Schedule contain requirements for materials necessary to achieve the Work described under each Alternative Bid.

2.0 PRODUCTS

Not Applicable to this Section.

3.0 EXECUTION

3.01 SCHEDULE OF ALTERNATIVE BIDS

- A. Alternative Bid No. One: At five (5) Windows D, E, F and G located at Room 102 Service Windows, in lieu of 3/8 IN thick fixed glass with a 3 IN wide pass slot x 5 FT 6 IN tall at standard service counters and 6 FT 6 IN tall at HC service counters, all with an 8 IN high GWB header above as shown on Interior Elevations 1-4 on Sheet A17, install Level 3 bullet-resistant steel frames and glazing with non-ricochet transaction trays below the glazing and passive voice speakers through the glazing as specified in Section 08 56 67 Bullet-Resistant Steel Transaction Windows and Section 08 88 56 Bullet-Resistant Glazing. Bullet-resistant transaction windows shall be width shown on the Drawings by 3 FT 8 IN tall at standard service counters and 4 FT 8 IN tall at HC service counters, all with a 30 IN high GWB header above.
- B. Alternative Bid No. Two: Provide and install all Surveillance System Equipment listed and described on Sheet LV2 of the Drawings.

END OF ALTERNATES

**JP/Constable Precinct 2 Office Relocation Project**

**Overview:**

Collin County is relocating the Precinct 2 Constable and Justice of the Peace offices to a new building located in Lavan. The low voltage vendor shall provide and install the networking hardware (including but not limited to Cisco switches, power supplies, communication cables, and related materials). The vendor shall include submittals for all networking hardware and receive approval from the Collin County Information Technology department, working through the construction project manager, prior to purchasing the equipment. The vendor will deliver the switches to Collin County Information Technology, in advance, for configuration and burn-in activities. The configured switch(es) will be installed by Collin County Information Technology in the racks prior to the vendor completing the final networking installation functions. The overhead and profit for this material shall be limited to the amount set forth in the contract documents.

The low voltage vendor shall provide an add alternate price for the surveillance system. Equipment list included in documents.

**Network Cabling General Requirements:**

This project will include procurement and installation of equipment and cabling identified in the attached bill of materials (BOM). The installation of network two-pole racks, painted plywood backer board, and electrical grounding will be required along with installing new Cat 6e data cabling. The vendor will be required to terminate the cabling at both ends, label cabling per Collin County standards, patch cables to the switches supplied as part of this BOM, and provide a cable matrix. Approximately 116 new cable runs will be required to fulfill Collin County deliverables.

The contractor will mount one 66 block, supplied by the county, on the plywood backer board. Two Cat 6e cables will be ran, and terminated at both ends by the contractor, from the 66 block to Ortronics panel to support analog phone line connections.

Cat 6e data jacks and inserts used for connections to the desktop stations shall be blue and white. Data jacks and inserts for analog phone connections shall be purple. Data jacks and inserts for audio-visual and camera connections shall be green. Data jacks and inserts for wireless access point connections shall be yellow.

- The vendor will coordinate with the Collin County telecom lead and the Collin County facilities lead to complete this project.
- The vendor shall be certified partners of Cisco and Panduit.
- The vendor shall apply for, and provide to the County, a 20-year Panduit warranty at the completion of the project.
- All work done is to be based on Collin County standards and industry best practices. Where the two diverge, the Collin County telecom lead will be responsible for making the decision on which to use.
- Vendor is responsible for labeling all equipment and connections according to Collin County specifications, provided to vendor by Collin County telecom lead.
- Vendor will provide all cable and terminations needed for the horizontal cable runs to the IDF's.
- Vendor will provide all equipment included on the bill of materials and any accessories needed.
- Cables will be bundled using Velcro ties per industry standards.
- Vendor will terminate all cables on Panduit data jacks at both ends, cables will be terminated on angled Panduit patch panels in the IDF, and there will be no home run connections allowed.
- Vendor will install Panduit patch cables from the patch panels to the Collin County provided Cisco network switches.
- Vendor will test each cable connection and provide Collin County with a soft copy and hard copy of test results.

- Vendor will provide Collin County with a patch matrix indicating where each network drop is patched to on the switch.
- Each cable is to be labeled at each end using Panduit Label maker or other label maker, no hand written labels.
- Vendor will provide all tools needed to complete the work as prescribed.
- Vendor will troubleshoot and resolve any problems that arise as part of this project.
- Any deviations from the design drawings must be approved by Collin County.
- All personnel working on site at all Collin County Facilities must agree to follow all Collin County rules and regulations.

**Installation Requirements**

Cables shall be terminated on Panduit data jacks at both ends using the TIA/EIA 568-B cabling standard, alternating blue and white for terminations at desks and patch panels. Other terminations may use different color data jacks and inserts as specified in the BOM. In the IDF/ MDF the cables shall be terminated on the Panduit patch panels specified in the materials list. Ladder racks shall be used for routing the cabling, where they are in place, or on J-hooks installed per industry standard. Cable terminations shall be tested and verified to be equal to or better performance than the manufacturer's specifications. Contractor shall provide Collin County with both hard and soft copies of the test results.

Contractor shall patch cables from patch panel to the network switch ports as assigned by Collin County under direction of Collin County personnel. Patch cables shall be Panduit Cat 6 cables of sufficient length to be routed through the cable management system installed by the vendor under this project. Cables must be routed through the vertical and horizontal cable managers in a manner to cause the patch cables to be parted in the middle on the switches, i.e. ports 1 - 24 will be routed from the left vertical manager and ports 25 - 48 routed from the right vertical manager. The top row of switch ports shall be routed through the horizontal manager above the switch, the bottom row of switch ports shall be routed through the horizontal manager below the switch. If for some reason this is not possible Collin County IT will provide guidance.

The Collin County Infrastructure Team must inspect and approve all cabling.

- The vendor will deliver the Cisco switches to the Collin County Infrastructure team for application of configuration settings.
  - Collin County will rack the Cisco switches in the new wiring closet prior to the vendor finalizing their scope of work.
- Collin County provided a BOM for this project itemizing equipment needed to complete this project. Any equipment missing from the BOM that the vendor believes is necessary for completion of the project should be brought to the attention of Collin County.
- The vendor is responsible for cleanup and must remove all empty boxes and trash daily.
- The vendor will provide and install 1 four pole 19" 42RU server equipment rack, secured to the floor, and properly grounded.
- The vendor will provide and install two 19" two-pole equipment racks, secured to the floor, and properly grounded.
- Vendor will provide and install 7" Panduit vertical cable managers and attach them to the equipment racks (refer to the attached drawing for location).
- Vendor will install Panduit patch panels, horizontal wire managers, and fiber trays as specified in the BOM.
- The vendor shall supply Panduit data inserts for all terminations and will coordinate with Collin County Infrastructure team.
  - At the desk location and patch panel the primary drop is blue and the secondary drop is white.

- Analog phone connections will use purple inserts and jacks.
- Audio-visual and camera phone connections will use green inserts and jacks.
- Wireless access point connections will use yellow inserts and jacks.
- The vendor will run new Cat 6e cables from work area outlets to the wiring closet, exact locations to be provided by Collin County. Each cable will have a 6' service loop above the work area and a 10' service loop in the IDF. Any faceplate location questions, especially with respect to any built-in furniture must be coordinated with the Collin County Infrastructure team.
- The vendor will run two data cables from the IDF to each of the storage and evidence rooms with a 20' service loop left in the ceiling above the room for future use.
- No substitutions on manufacturers allowed per court order 2018-978-11-12.



Location	Type	Rating	Mount	Model	Part Number	Quantity	Notes
1 Corridor 110	Fixed	Interior	Ceiling	Axis P3245-LV	01592-001	1	Clear Dome
2 Service Windows 102	Fixed	Interior	Ceiling	Axis M3047-P	0808-001	1	Clear Dome
3 Lobby 101	Fixed	Interior	Ceiling	Axis P3327-LV	0885-001	1	Clear Dome
4 Exterior Front Entrance	Fixed	Exterior	Wall	Axis Q3517LVE	01022-001	1	Clear Dome
5 Exterior Corners at Parapet	Fixed	Exterior	Parapet	Axis P3719-PL	01500-001	4	Clear Dome

Misc.	Type	Rating	Mount	Model	Part Number	Quantity	Notes
6 Exterior Ethernet Surge Protector	Fixed	Exterior	Adjacent to mounted Cameras	Axis T8061	5801-641	5	Ground to structural grounding system
7 Exterior Pendant Kit for Parapet Mount	Fixed	Exterior	Parapet	Axis T9AN01D	01513-001	4	Allows P3719 to be Mounted
8 Telescopic Parapet Mount	Fixed	Exterior	Parapet	Axis T91D62	5507-271	4	Adjustable Swivel
9 Cabling	N/A	Plenum	N/A	General Cable	6P4P24-BL-S-GCC-TP-CE	1	1000 Foot Reel-In-A-Box
10 Exterior Conduit							

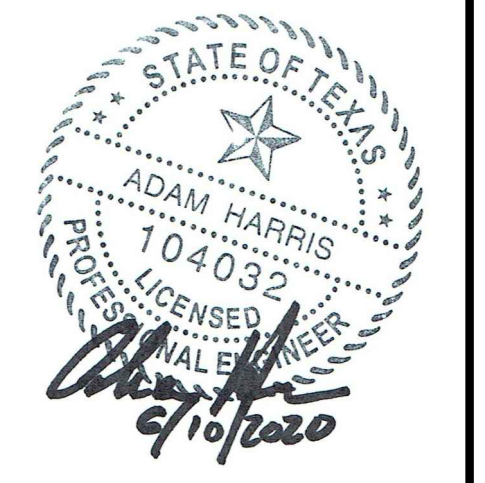
Milestone Licenses	Part Number	Quantity
Xprotect Corporate Device License and Care Plus	XPOCDL and YPCODL	8

Network Equipment	Model	Part Number	Quantity
Catalyst 9300 UPOE, Network Essentials		C9300-48U-E	3
SOLNSUPP 8x5xNBD Catalyst 9300 48-port UPOE, Ne		CON-SSST-C93004UE	3
	Universal	S9300UK9-169	3
1100W AC 80+ platinum Config 1 power supply		PWR-C1-1100WAC-P	3
No Secondary power supply		C9300-SPS-NONE	3
North America AC Type A power cable		CAB-TA-NA	3
50CM Type 1 stacking cable		STACK-T1-50CM	2
1M Type 1 stacking cable		Stack-T1-1M	1
Catalyst stack power cable 30 CM		CAB-SPWR-30CM	2
Catalyst stack power cable 150 CM		CAB-SPWR-150CM	1
C9300 DNA Essentials 48 port Term Licenses		C9300-DNA-E-48	3
No network module		C9300-NM-NONE	3
			1
Cisco Catalyst 9120AX Series	9120 access point	C9120AXI-B	4
Aronet CISCO PROMO DNA Essentials 3 Year Term	3 year maintenance	DNA-E-PROMO-3Y	4

VMS Recording Server	Part Number	Quantity
Dell PowerEdge R440 Server	210-ALZE	1
MLK Motherboard V2	384-BCHR	1
No Trusted Platform Module	461-AADZ	1
3.5" Chassis with up to 4 Hot Plug Hard Drives	321-BCUU	1
Internal PERC	405-AAOM	1
Intel Xeon Gold 5222 3.8G, 4C/8T, 10.4GT/s, 16.5M Cache, Turbo, HT (105W) DDR4-2933	338-BSGI	1
No Additional Processor	374-BBBX	1
Standard Heat Sink	412-AAJT	1
Riser Config 1, 1X16 FH	330-BBHL	1
2666MT/s RDIMMs	370-ADNU	1
Performance Optimized	370-AAIP	1
PERC H740P RAID Controller, LP Adapter	405-AAAML	1
Windows Server 2019 Standard, 16CORE, FI, No Med, No CAL, Multi Language	634-BSFE	1
Windows Server 2019 Standard, 16CORE, Digitally Fulfilled Recovery Image, Multi Language	528-CFIB	1
Windows Server 2019 Standard, 16CORE, Media Kit, Multi Language	634-BSGL	1
Windows Server 2019 Standard, No Media, WS2012R2 Std Downgrade DF Media, Multi Language	528-CHGD	1
Windows Server 2019 Standard, No Media, WS2016 Std Downgrade DF Media, Multi Language	528-CHGE	1
Windows Server 2019 Standard, No Media, WS2016 Std Downgrade Media, Multi Language	634-BSGN	1
iDRAC9, Enterprise	385-BBKT	1
OpenManage Enterprise Advanced	528-BIYY	1
iDRAC Group Manager, Enabled	379-BCQV	1
iDRAC, Factory Generated Password	379-BCSF	1
On-Board LOM	542-BBBP	1
No Internal Optical Drive for x4 and x8 HDD Chassis	429-ABBF	1
Dual, Hot Plug, Redundant Supply (1+1), 550W	450-AGOY	1
Standard Bezel	325-BCHH	1
Dell EMC Luggage Tag	350-BBKT	1
Quick Sync 2 (At-the-box mgmt)	350-BBKQ	1
Performance BIOS Settings	384-BBBL	1
UEFI BIOS Boot Mode with GPT Partition	800-BBDM	1
ReadyRails Sliding with Cable Management Arm	770-BCKT	1
8GB RDIMM, 2666MT/s, Single Rank	370-ADNI	6
4TB 7.2K RPM SATA 6Gbps 512n 3.5in Hot-plug Hard Drive	400-ASIE	3
C13 to C14, PDU Style, 12 AMP, 6.5 Feet (2m) Power Cord North America	492-BBDI	2
ENT CONFIG SVCS, Failover Disk, Hotspare	366-0221	1
ENT CONFIG SVCS, FEE, RAID 1 SINGLE CONTAINER ON 2HDD	366-0227	1



**RES** Root Engineering Services  
 Mechanical, Electrical & Plumbing Systems Consultant  
 4215 GROVE AVE. GURNEE, IL 60031  
 PHONE: 847-249-6396 FAX: 847-775-1603  
 15306 W. WILSON AVE. SUITE 1000 FARMINGTON, IL 62509  
 PHONE: 618-944-7744 FAX: 618-944-1603  
 TEXAS PROFESSIONAL ENGINEERING DESIGN FIRM #12016



ARCHITECT  
**SPURGIN & ASSOCIATES**  
 103 W. LOUISIANA ST  
 MCKINNEY, TEXAS 75069  
 972-562-5368

PROJECT  
**COLLIN COUNTY LAKE LAVON BUILDING**  
 TEXAS 78 AT SH 205  
 LAVON, TEXAS 75166

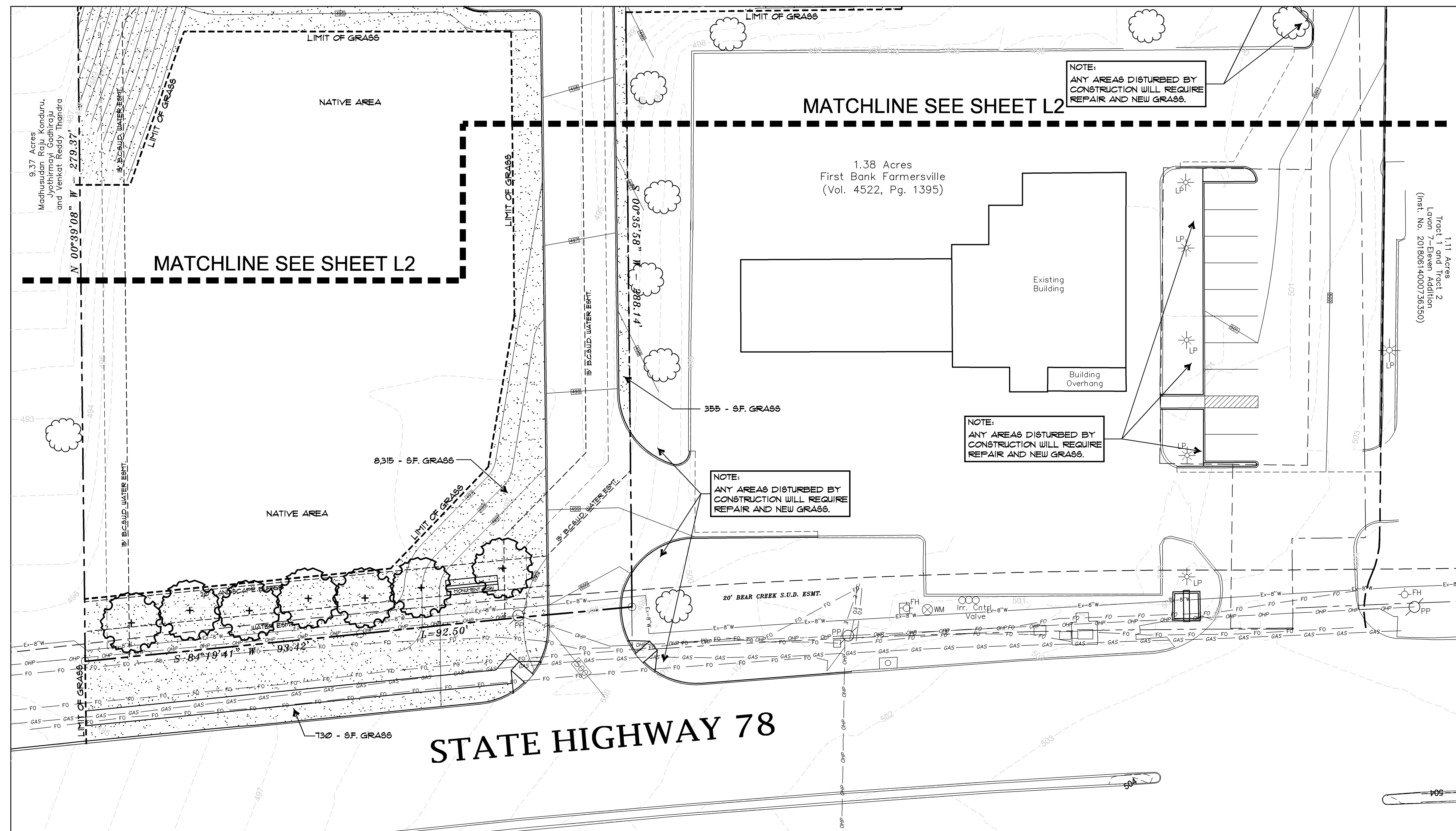
Rev. No.	Description	Date
1	FOR PERMIT ADDENDUM #1 - SURVEILLANCE	04/17/2020 06/11/2020

The Professional seal affixed to this sheet indicates that the named professional has prepared or directed the preparation of the material shown only on this sheet. Other drawings and documents not exhibiting this seal shall not be considered prepared by or the responsibility of the undersigned.  
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 Drawing Title

LOW VOLTAGE PROJECT  
 OVERVIEW

Drawing No. **LV2**

Scale	
Dwg By: ET/CB	Check By: AH
Consult: 30576	TX16133



LARGE TREES				
QUANTITY	SYMBOL	COMMON NAME	SCIENTIFIC NAME	SIZE & CONDITION
4	(+)	LIVE OAK	Quercus virginiana	3' caliper, 10'-12' HL / 4-5' spread, B4B, straight trunk.
11	(+)	SHUMARD RED OAK	Quercus shumardii	3' caliper, 10'-12' HL / 4-5' spread, B4B, straight trunk.

ORNAMENTAL TREES				
QUANTITY	SYMBOL	COMMON NAME	SCIENTIFIC NAME	SIZE AND CONDITION
5	(*)	MUSKOGEE CRAPE MYRTLE	Lagerstroemia Indica 'Muskogee'	8' HL/3' spread min, 30 Gallon, 3 Trunk Min, full, bushy tree formed, specimen.

SHRUBS				
QUANTITY	SYMBOL	COMMON NAME	SCIENTIFIC NAME	SIZE AND CONDITION
10	(*)	ROSE CREEK ABELIA	Abelia grandiflora 'Rose Creek'	5 gallon 20"-24" HL/18"-20" spread, full, bushy to the ground
24	(*)	HARBOR DWARF NANDINA	Nandina domestica 'Harbour Dwarf'	3 gallon, 14" HL/12"-14" spread, bushy, full to ground
10	(*)	NELLIE R STEVENS HOLLY	Ilex cornuta 'Nellie R. Stevens'	1 gallon, 36"-42" HL/24"-28" spread, full, bushy to the ground

TURF GRASS				
QUANTITY	SYMBOL	COMMON NAME	SCIENTIFIC NAME	SIZE AND CONDITION
48,415 S.F.	(*)	8F. GRASS BERMUDA GRASS	Cynodon dactylon	Solid seed

**LAVON LANDSCAPE TABULATIONS**

**THOROUGHFARE LANDSCAPE**  
 20' LANDSCAPE BUFFER AND A MINIMUM OF 1 (3' CAL.) CANOPY TREE PER 25 L.F. STATE HIGHWAY 78 FRONTAGE L.F. (185,92' - 25' ENTRY DRIVE) = 161 L.F. REQUIRED THOROUGHFARE TREES (161 / 25 = 6.4) 1 TREE PROVIDED THOROUGHFARE TREES PROVIDED 1 TREE

**SITE TREES**  
 MINIMUM OF 1 (3' CAL.) CANOPY TREE PER 1500 SF. OF BUILDING FLOOR SPACE. BUILDING SF. (NOW & POTENTIAL FUTURE) = 9,100 SF. REQUIRED SITE TREES (9100 / 1500 = 6.4) 1 TREE PROVIDED SITE TREES PROVIDED 8 TREES

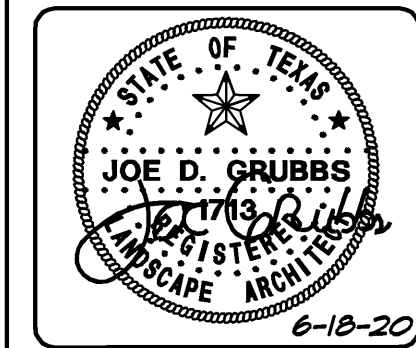
**SIGN NOTE**  
 ALL SIGNAGE MUST BE APPROVED BY BUILDING INSPECTION. LOCATIONS SHOWN ON THIS PLAN DO NOT INDICATE APPROVAL.

**LANDSCAPE NOTE**  
 LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR ALL LANDSCAPING UNTIL SUBSTANTIAL COMPLETION.

Issued For: CONSTRUCTION  
 Job No: 20123  
 Scale: 1" = 20'-0"  
 Drawn By: JDS  
 Date: 06-18-2020

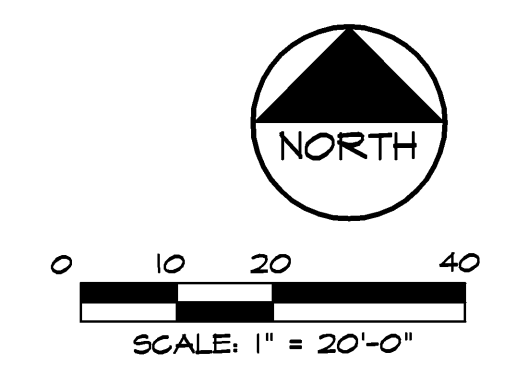
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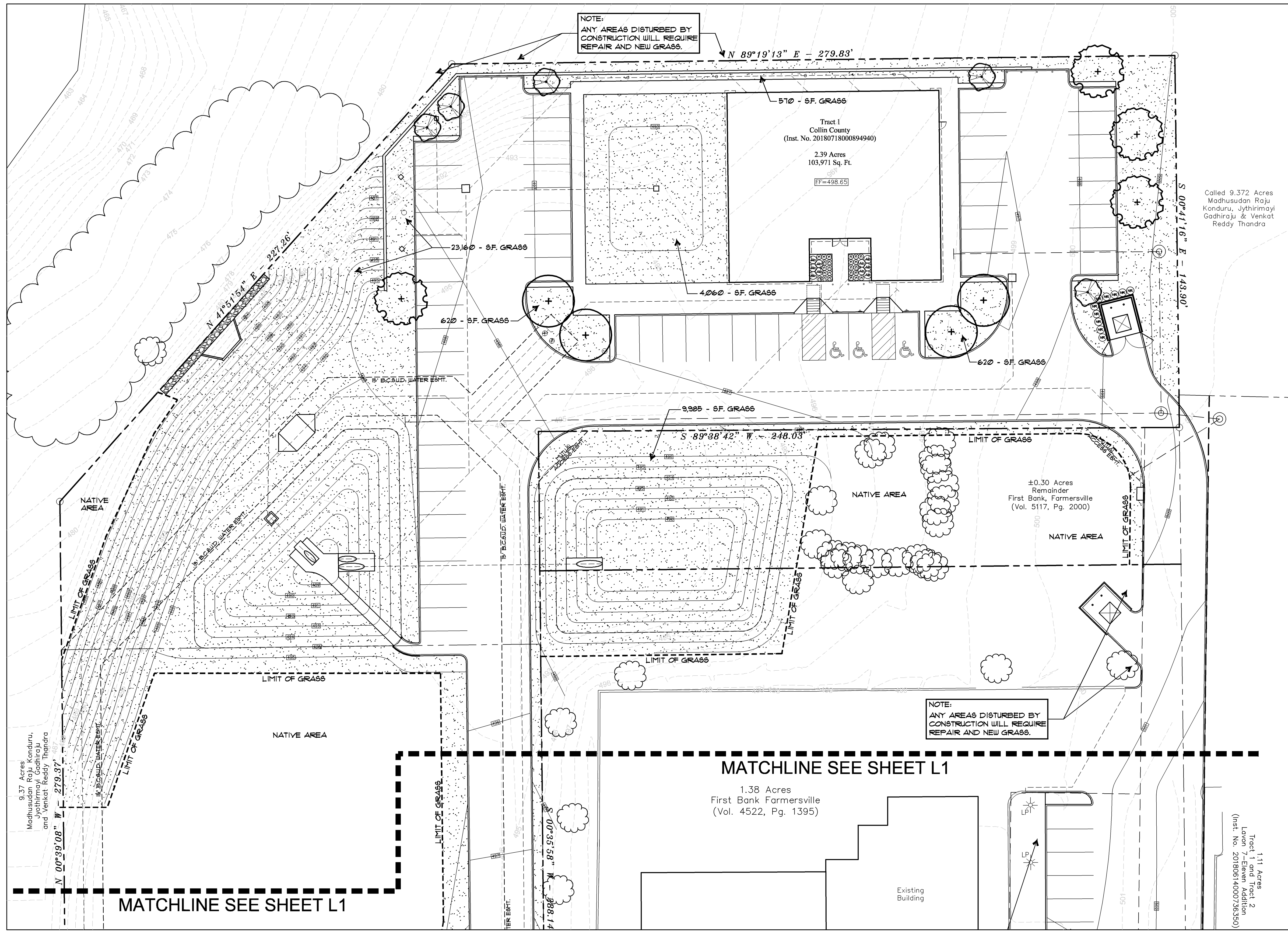
**Collin County**  
 Lavon Texas



**Landscape Plan**

Sheet Number: L1 of L6 Sheets





9.37 Acres  
 Madhusudan Raju, Konduru,  
 Jyothirmayi Gadhiraju  
 and Venkat Reddy Thandra

MATCHLINE SEE SHEET L1

NOTE:  
 ANY AREAS DISTURBED BY  
 CONSTRUCTION WILL REQUIRE  
 REPAIR AND NEW GRASS.

NOTE:  
 ANY AREAS DISTURBED BY  
 CONSTRUCTION WILL REQUIRE  
 REPAIR AND NEW GRASS.

MATCHLINE SEE SHEET L1

1.38 Acres  
 First Bank Farmersville  
 (Vol. 4522, Pg. 1395)

Existing Building

Called 9.372 Acres  
 Madhusudan Raju  
 Konduru, Jyothirmayi  
 Gadhiraju & Venkat  
 Reddy Thandra

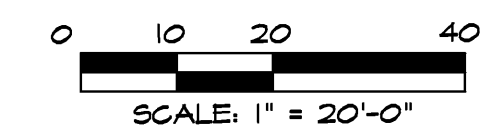
1.11 Acres  
 Tract 1 and Tract 2  
 Lavon 7-Eleven Addition  
 (Inst. No. 20180614000736350)

LARGE TREES	
SYMBOL	COMMON NAME
	LIVE OAK
	SHUMARD RED OAK

ORNAMENTAL TREES	
SYMBOL	COMMON NAME
	MUSKOGEE GRAPE MYRTLE

SHRUBS	
SYMBOL	COMMON NAME
	ROSE CREEK ABEILIA
	HARBOUR DWARF NANDINA
	NELLIE R. STEVENS HOLLY

TURF GRASS	
SYMBOL	COMMON NAME
	SF. GRASS
	BERMUDA GRASS

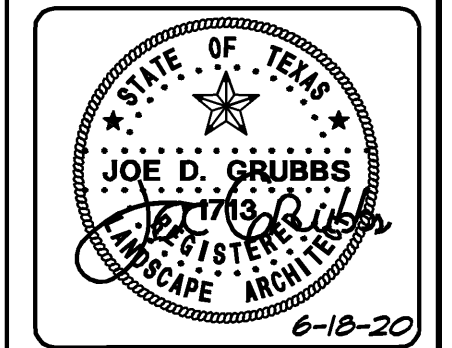


#	Revisions:	Date:

Issued For:  
**CONSTRUCTION**  
 Job No.  
 20123  
 Scale  
 1" = 20'-0"  
 Drawn By:  
 JDG  
 Date  
 06-18-2020

# Collin County

Lavon Texas



# Landscape Plan

Sheet Number:  
**L2**  
 of L6 Sheets

LANDSCAPING  
PART 1 - GENERAL

- 1.1 SCOPE: Provide all labor, materials and equipment for complete installation of landscaping, as indicated on the drawings and specified herein.
1.2 RELATED WORK SPECIFIED ELSEWHERE: Irrigation System, Lawns, Earthwork, General Requirements
1.3 QUALITY ASSURANCE: Provide plant materials in compliance with applicable State and Federal laws relating to inspection for diseases and insect infestation at growing site. Plants are subject to inspection and approval by the Landscape Architect. Plants required for the work may be inspected and tagged at the growing site before being dug. Observation at growing site does not preclude right of rejection at job site. Plants damaged in transit or at job site may be rejected. Employ only qualified personnel familiar with required work. Off-site topsoil and topsoil on-site Testing (paid by Landscape Contractor). Provide source of off-site soil (if Required For Job) to the Owners representative for the purpose of soil investigation. Take random representative soil samples from areas to be planted. Test soil samples from both sources for pH, alkalinity, total soluble salts, porosity, sodium content and organic matter. File Certificate of Inspection of plant material by State and Federal authorities with Landscape Architect, if required by State.

- 1.4 REFERENCED STANDARDS: American Standard for Nursery Stock, approved 1986 by American National Standards Institute, Inc. - Plant materials; Hortus Third, 1976 - Cornell University - Plant nomenclature; ASTM - American Standard Testing Material - Sharp sand.

- 1.5 PRODUCT DELIVERY, STORAGE AND HANDLING: Delivery: Deliver packaged materials in sealed containers showing weight, analysis and name of manufacturer. Protect materials from deterioration during delivery and while stored at site. Do not deliver more plant materials than can be planted in one day unless adequate storage and watering facilities are available on job site. Storage of materials and equipment at the job site will be at the risk of the landscape contractor. The owner will not be held responsible for theft or damage. If balled plants cannot be planted within 24 hours after delivery to site, protect root balls by heeling in with saw dust or other approved material. Protect during delivery to prevent damage to root ball or desiccation of leaves. Notify Landscape Architect of delivery schedule 48 hours in advance so plant material may be observed upon arrival at job site. Remove rejected plant material immediately from site.

- 1.6 JOB CONDITIONS: Planting Restrictions: Perform actual planting only when weather and soil conditions are suitable in accordance with locally accepted practices. In no way shall any trees, shrubs, ground cover or seasonal color obstruct drainage or block a 2% minimum positive slope away from buildings. Utilities: Determine locations of underground utilities and perform work in a manner which will avoid possible damage. Hand excavate, if required, to minimize possibility of damage to underground utilities. Maintain grade stakes set by others until removal is mutually agreed upon by parties concerned. Coordinate work with irrigation contractor to prevent damage to underground sprinkler system.

- 1.7 WARRANTY: Warranty for plants and trees shall be for one year after final acceptance. Replace dead materials and materials not in vigorous, thriving condition as soon as weather permits and on notification by Owners Rep. Replace plants, including trees, which in opinion of Landscape Architect have partially died thereby damaging shape, size, or symmetry. Replace plants and trees with same kind and size as originally planted, at no cost to the Owner. Provide one-year warranty on replacement plants. These should be replaced at start of next planting or digging season. In such cases, remove dead trees immediately. Protect irrigation system and other piping conduit or other work during replacement. Repair any damage immediately. Warranty excludes replacement of plants after final acceptance because of injury by storm, drought, drowning, hail, freeze, insects or diseases. At the end of the warranty period, staking and guying materials if required shall be removed from the site.

- 1.8 MAINTENANCE: Water: Will be available on site. Provide necessary hoses and other watering equipment required to complete work. Until final acceptance, maintain plantings and trees by watering, cultivating, moving, weeding, spraying, cleaning and replacing as necessary to keep landscape in a vigorous, healthy condition and risks bed areas as required. A written notice requesting final inspection and acceptance should be submitted to Landscape Architect or owners representative within seven (7) days prior to completion. At that time owner and Landscape Architect will prepare a final punch list to be reviewed with the landscape contractor. Following final acceptance, maintenance of plant material will become the Owner's responsibility. The Contractor shall provide Owner with a recommended maintenance program.

- PART 2 - PRODUCTS
2.1 PLANTS: Quantities: The drawings and specifications are complementary; anything called for on one and not the other is as binding as if shown and called for on both. The plant schedule is an aid to bidders only. Confirm all quantities on plan. Plants shall be equal to well formed No. 1 grade of better; symmetrical, heavily branched with even branch distribution, densely foliated and/or barked, and a strong, straight, distinct leader where this is characteristic of species. Plants shall possess a normal balance between height and spread. The Landscape Architect will be the final arbiter of acceptability of plant form, either before or after planting and shall be removed at the expense of the Landscape Contractor and replaced with acceptable plants as specified. Plants shall be healthy and vigorous, free of disease, insect pests and their eggs, and larvae. Plants shall have a well-developed fibrous root system. Plants shall be free of physical damage such as scrapes, broken or split branches, scars, bark abrasions, sun scalds, fresh limb cuts, dieflouring knots, or other defects. Pruning of all trees and shrubs, as directed by Landscape Architect, shall be executed by Landscape Contractor at no additional cost to the Owner. Plants shall meet the sizes indicated on the Plant List. Where a size or caliper range is stated, at least 50% of the material shall be closer in size to the top of the range stated. Plants indicated "B&B" shall be balled and burlapped. Plants shall be nursery grown unless otherwise specified in plant list. Balls shall be firm, neat, slightly tapered and well burlapped. Non-biodegradable ball wrapping material will not be accepted. Any trees loose in the ball or with broken ball at time of planting will be rejected. Balls shall be ten (10") inches in diameter for each one (1") inch of trunk diameter, measured six (6") inches above ball. Container grown plants shall be well rooted and established in the container in which they are growing. They shall have grown in the container for a sufficient length of time for the root system to hold the planting medium when taken from the container, but not long enough to become root bound.

- 2.2 SOIL PREPARATION MATERIALS: Peat Moss: Commercial sphagnum moss or hyghum peat. Pre mixed soils can be used as long as samples are submitted with manufacturer's data and laboratory test reports. Sandy Loam: Friable, fertile, dark, loamy soil, free of clay lumps, subsoil, stones, and other extraneous material and reasonably free of weeds and foreign matter. Physical properties as follows: Clay - between 7-27 percent Silt - between 28-50 percent Sand - less than 52 percent Sharp Sand: Clean, washed sand, (fine aggregate) ASTM C-35.

- 2.3 COMMERCIAL FERTILIZER: Fertilizer shall be delivered in manufacturer's standard container printed with manufacturer's name, material weight, and guaranteed analysis. Fertilizers with N-P-K analysis other than that specified may be used provided that the application rate per square foot of nitrogen, phosphorus, and potassium is equal to that specified. Commercial Fertilizer for Planting Beds: Complete fertilizer 5-10-5 element ratio with minimum 8% sulfur and 4% iron plus micro-nutrients. Controlled-Release Fertilizer planting tablets for tree planting pits, shall be equal to Agriform 20-10-15 planting tablets as manufactured by Sierra Chemical Co., Milpitas, California 95035 or approved equal.

- 2.4 MULCH: Bark mulch shall be hardwood mulch chips, ranging in size from 1/4-inch to 1-inch in size, medium fine texture, shredded.

- PART 3 - EXECUTION
3.1 CONDITION OF SURFACES: New bed areas will be left within one tenth of a foot of finish grade by other trades. Contractor will be responsible for raking and smoothing of grade. Examine subgrade upon which work is to be performed. Notify the Landscape Architect or owners representative of unsatisfactory conditions.

- 3.2 SHRUB PLANTING: All shrubs to be pocket planted. Excavate planting hole 3" larger than the width and height of the root ball. Backfill with 1/3 (soil mix and/or peatmoss), 1/3 native soil and 1/3 sand/loam. Plant where located, setting plants with tops of balls even with tops of beds, and compact soil carefully around each plant ball. Water each plant thoroughly with hoses to eliminate air pockets. Carefully prune plants to remove dead or broken branches, various tags, and protect root balls to smooth even surfaces, and mulch bed areas 1 inch deep.

- 3.3 GROUND COVER PLANTING: Till 2 inches minimum of thoroughly mixed prepared soil or equal in all planting bed areas as follows: 1 part sandy loam 1 part peat moss 1 part sharp sand Add 4 pounds commercial fertilizer per 100 SF of bed area and mix thoroughly. Plant where located, setting plants with tops of balls even with tops of beds, and compact soil carefully around each plant ball. Water each plant thoroughly with hoses to eliminate air pockets. Carefully prune plants to remove dead or broken branches and hand-rake bed areas to smooth even surfaces, and mulch bed areas 1 inch deep.

- 3.4 TREE PLANTING: Stake tree locations for Owners Representative approval prior to digging. Plant ornamental trees in pits 12-inches larger than the root ball. Plant shade trees in pits two feet greater in diameter than root ball and equal to depth of root ball. After excavation of tree pits, review water percolation. If tree pit does not drain adequately prepare hole for use with a tree sump. Paint PVC stand pipe and cover dark green. After tree is installed, pump water out on a daily basis. In the event rock or underground construction work or obstructions are encountered in any plant pit excavation work to be done under this section, alternate locations may be selected by the Landscape Architect. Where locations cannot be located the obstructions shall be removed to a depth of not less than six (6") inches below bottom of ball when plant is properly set at the required grade. The work of this section shall include the removal from the site of such rock or underground obstructions encountered at the cost of the Landscape Contractor. Prepare soil for planting by thoroughly mixing two parts sandy loam and one part peatmoss or other approved organic matter. If planting soil does not fall within the pH range of 5.5 to 7.0 add limestone or aluminum sulphate to bring soil into the specified pH range. Backfill tree pits with a mixture of 1/2 prepared soil and 1/2 existing site soil. Lightly tamp every 6-inches to fill all voids and pockets. When pit is 2/3 full, water thoroughly and leave water to soak in. Place fertilizer planting tablets per manufacturer's recommendations. Complete backfilling and form a saucer around the tree. Completely fill each tree saucer with mulch to a depth of two inches. Contractor shall keep trees plumb until established. Guying and/or staking to maintain that plumb condition shall be at the Contractor's discretion. However, if trees are not plumb, the Contractor will be required to guy and/or stake those trees in a method acceptable to the Landscape Architect at no additional cost to the Owner. Pruning: Prune trees to preserve the natural character of the plant in a manner appropriate to its particular requirements in the landscape design as directed by the Landscape Architect. In general, remove at least one-third of wood by thinning and pruning. DO NOT cut back terminal branches. Thin native grown plants heavier than nursery grown plants. Remove sucker growth and broken or badly bruised branches.

- 3.5 SEASONAL COLOR PLANTING: Beds shall be excavated to a depth of 2 inches. Soil shall be replaced with 100% Living Earth Technology Complete Mix or equal. Plant where located, setting plants with tops of balls even with tops of beds, and compact soil carefully around each plant ball. Water each plant thoroughly with hoses to eliminate air pockets. Carefully prune plants to remove dead or broken branches and hand-rake bed areas to smooth even surfaces and mulch bed areas 1 inch deep.

- 3.6 CLEANUP: During work keep premises neat and orderly including organization of storage area. Remove trash, including debris resulting from removing weeds or rocks from planting areas, preparing beds, or planting plants from site daily as work progresses. Keep walk and driveway areas clean by sweeping or hosing. END OF LANDSCAPING SECTION

LAWNS

- PART 1 - GENERAL
1.1 SCOPE: Furnish all labor, tools, transportation, materials, equipment, supervision, etc., required to adequately establish a dense lawn of permanent grasses, free from lumps and depressions as indicated by plans and specifications. Re-do any part of the area failing to show uniform cover until a dense lawn is established. The cost of miscellaneous labor and materials for topsoil, weeding, tilling, pest control, fertilizing, etc., are not separate pay items and shall be included in the bid price for grassing.

- 1.2 RELATED WORK SPECIFIED ELSEWHERE: Irrigation System, Landscaping
1.3 MAINTENANCE OF GRASS: The contractor shall maintain the grass until final acceptance. Such maintenance shall include spraying, weeding, cultivation, fertilizing, watering, disease and insect control, top dressing low spots, plus any procedures consistent with horticultural practice necessary to insure normal, vigorous, and healthy grass.

- 1.4 JOB CONDITIONS: Water: Will be available on site. Provide necessary hoses and other watering equipment required to complete work. Lawn areas will be left within 1/10 of a foot of finish grade by other trades. Fine grading, raking and smoothing will be the responsibility of the contractor.

- 1.5 SCHEDULE: Seeding/hydr mulching - Bermudagrass: Complete only between May 1 to August 31 under favorable conditions. (warm season) Seeding/hydr mulching - Perennial Ryegrass: Complete only between September 1 to April 30, except at front of project, as determined by owner, under favorable climatic conditions. Sodding: Sod bermuda between March 15 and September 30. Between October 1 and March 14 overseed sod with Perennial ryegrass under favorable conditions. (Use nursery overseeded sod, in lieu of seeding after installation, if available.) Qualifications: Due to unseasonable weather, the above dates may vary; however, do not proceed with grassing operations beyond these dates without assuming full responsibility for a stand of grass.

- 1.6 ACCEPTANCE: The work will be accepted when a completed, undamaged stand of grass is achieved, as approved by the Owner's Representative.

- PART 2 - MATERIALS
2.1 TOPSOIL: If specified on the plans as a requirement: Friable, fertile, dark, loamy soil, free of clay lumps, sub-soil stones, and other extraneous material and reasonable free of weeds and foreign grasses. Topsoil containing dallgrass or nutgrass shall be rejected. Physical properties as follows: Clay - between 7-27 percent Silt - between 28-50 percent Sand - less than 52 percent

- 2.2 GRASS: Bermuda Grass: Extra fancy, hulled and treated, lawn type seed, delivered to site in original, unopened containers meeting requirements of Texas State Seed Law. Minimum purity germination 90 percent. Raleigh St. Augustine Grass: Solid sod, live, rich dark green in color, free of foreign grasses, weeds, nutgrass, cut with a full 3/4 inch of heavy clay covering roots. Deliver to site in 12 inch squares or 12 inch wide rolls. Do not stack for more than 24 hours between time of cutting and time of delivery.

- 2.3 FERTILIZER: Fertilizer shall be organic base, uniform in composition, dry and free flowing. Deliver fertilizer to site in original, unopened containers, each bearing manufacturer's guaranteed statement of analysis. First application: 12-12-12 element percentage with minimum 8% sulfur and 4% iron, plus micro nutrients. Second application: 9-11-2 element ratio. Nitrogen source to be a minimum 50% slow release organic nitrogen (SCU or UF) plus minimum 8% sulfur and 4% iron plus micro nutrients.

- PART 3 - EXECUTION
3.1 PREPARATION: Scarify lawn areas where excessive compaction is greater than 95% Standard Proctor to a depth of 4-inches by discing or rototilling. Repeat cultivation as required to thoroughly loosen soil. Leave areas free of weeds and ready for final grading. Provide barricades around scarified areas to prevent compaction by construction vehicles.

- 3.2 FINAL GRADING: Remove from site and legally dispose of stones 3/4-inch and larger, sticks and other debris exposed during this operation. Provide finish grading leaving surface uniform without depressions and undulations, graded approximately 1-inch below paving. Secure approval from the Landscape Architect prior to proceeding with grassing operation.

- 3.3 HERBICIDE: Apply herbicide to remove any remaining weeds. This work is to be performed by a licensed applicator following the manufacturer's recommendations.

- 3.4 FERTILIZER: Place first application with hydromulch at rate of 12 pounds per 1,000 square feet. Uniformly distribute second application using a rotary type fertilizer spreader 3-4 weeks after first application at 12 pounds per 1,000 square feet.

- 3.5 HYDROMULCH/SEEDING: At the time of hydromulch/seeding, soil shall be moist but not muddy, and wind velocity shall not exceed ten (10) miles per hour. Add water if required to moisten soil. Hydromulch seed uniformly at the rate of 2 pounds of Bermudagrass seed per 1,000 square feet. Repeat fertilizing at the same rate 3-4 weeks later.

- 3.6 MECHANICAL SEEDING: Seed uniformly at a rate of 125 pounds of Bermudagrass seed per acre. Use grass drill, brilliant seeder, or viking roller. SOLID SOD: Solid Sod: Plant grass by hand, edge to edge with staggered joints. Topdress with sharp sand raked in carefully to fill joints. Roll to eliminate undulations and provide complete soil contact. Fertilizing: Fertilize immediately after grass is planted at rate of 4 lbs per 1,000 square foot. Repeat fertilizing at the same rate 3-4 weeks later. ESTABLISHMENT AND MAINTENANCE OF LAWN AREAS: Watering: Water lawn areas immediately after grassing operation. Correct watering as required to keep soil uniformly moist to a minimum depth of 4-inches. Be alert to over-watering newly planted grass, particularly in heavy clay soils. Replanting/Erosion Control: Correct any erosion that may occur during the establishment of grass. Reseed (sod) any areas not showing sufficient growth within 3 weeks after initial grassing. Continue seeding (sodding) until a stand of grass is achieved. A stand of grass will be defined as a uniform cover of actively growing turf. Mowing/Weed Control: Mow lawn areas weekly until a stand of grass is achieved. Begin mowing when the lawn reaches a height of 3-inches; set mower to cut at 2-inches. A minimum of two mowings is required. Weed lawn areas until acceptance, removing all foreign vegetation, either by hoeing or pulling. If approved, herbicide spot treatments may be used.

- 3.7 CLEANUP: During work, keep premises neat and orderly, including organization of storage areas. Remove trash, including debris resulting from removing weeds and rocks from site daily as work progresses. Keep paved areas clean by sweeping or hosing. END OF LAWN SECTION

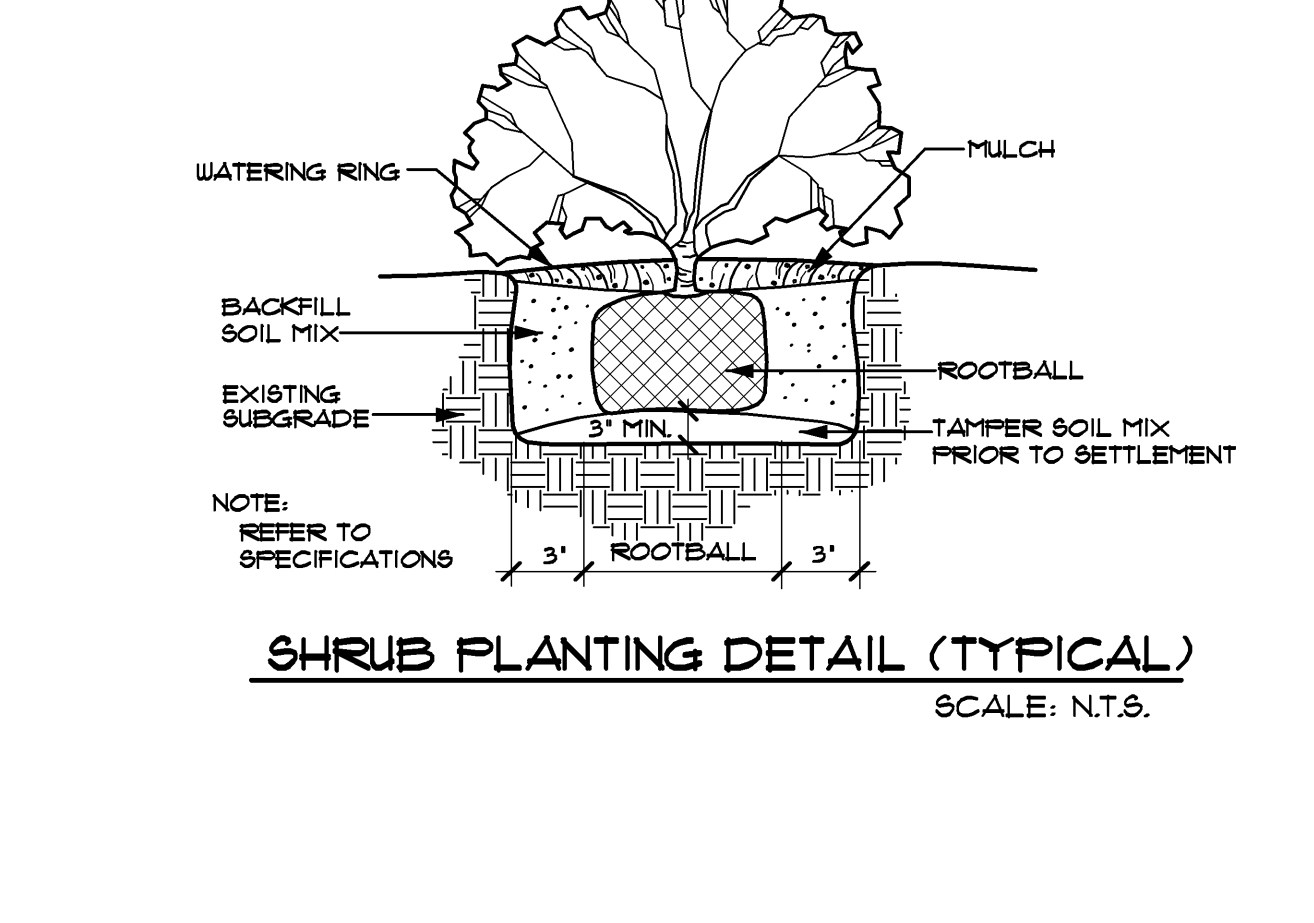
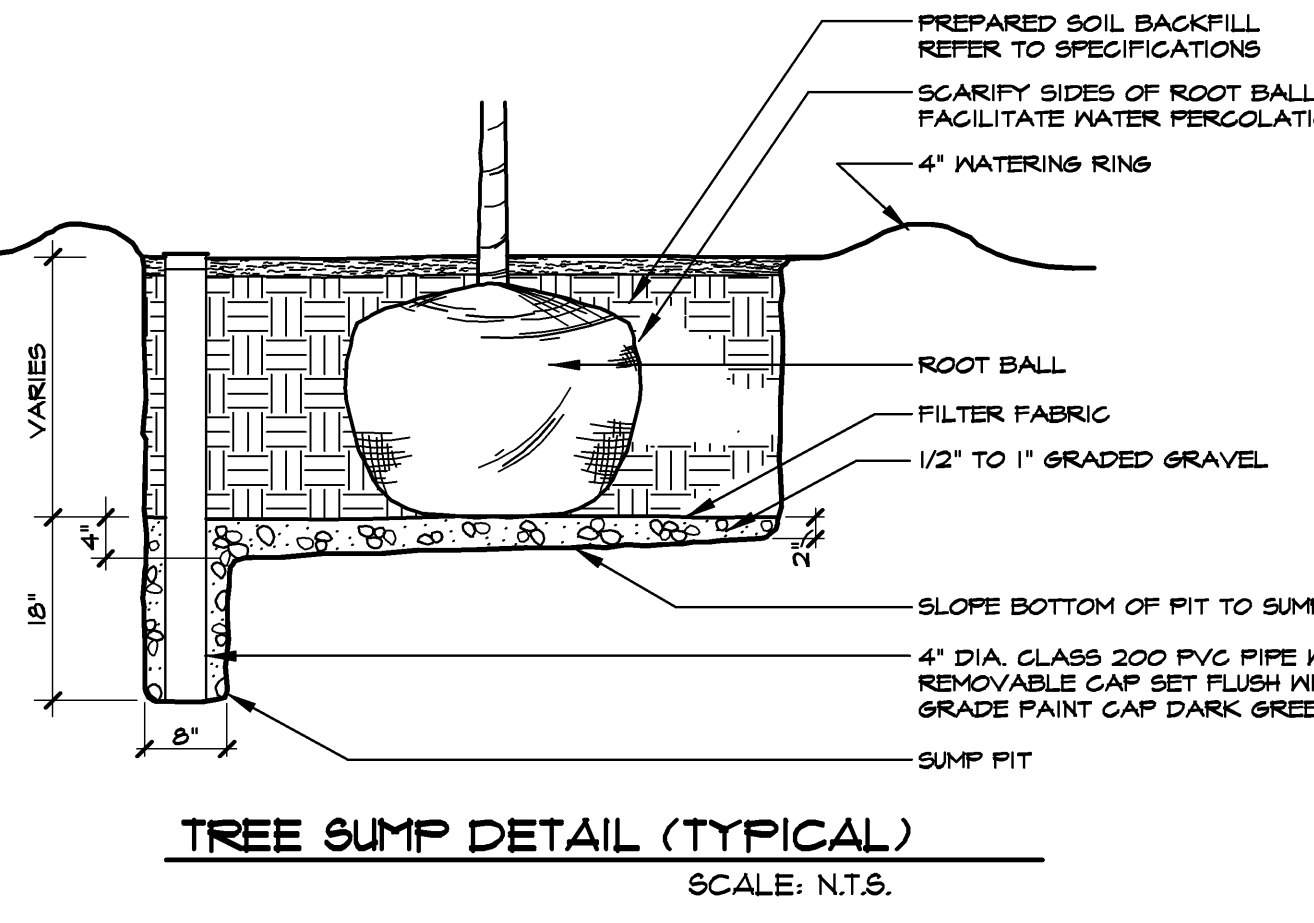
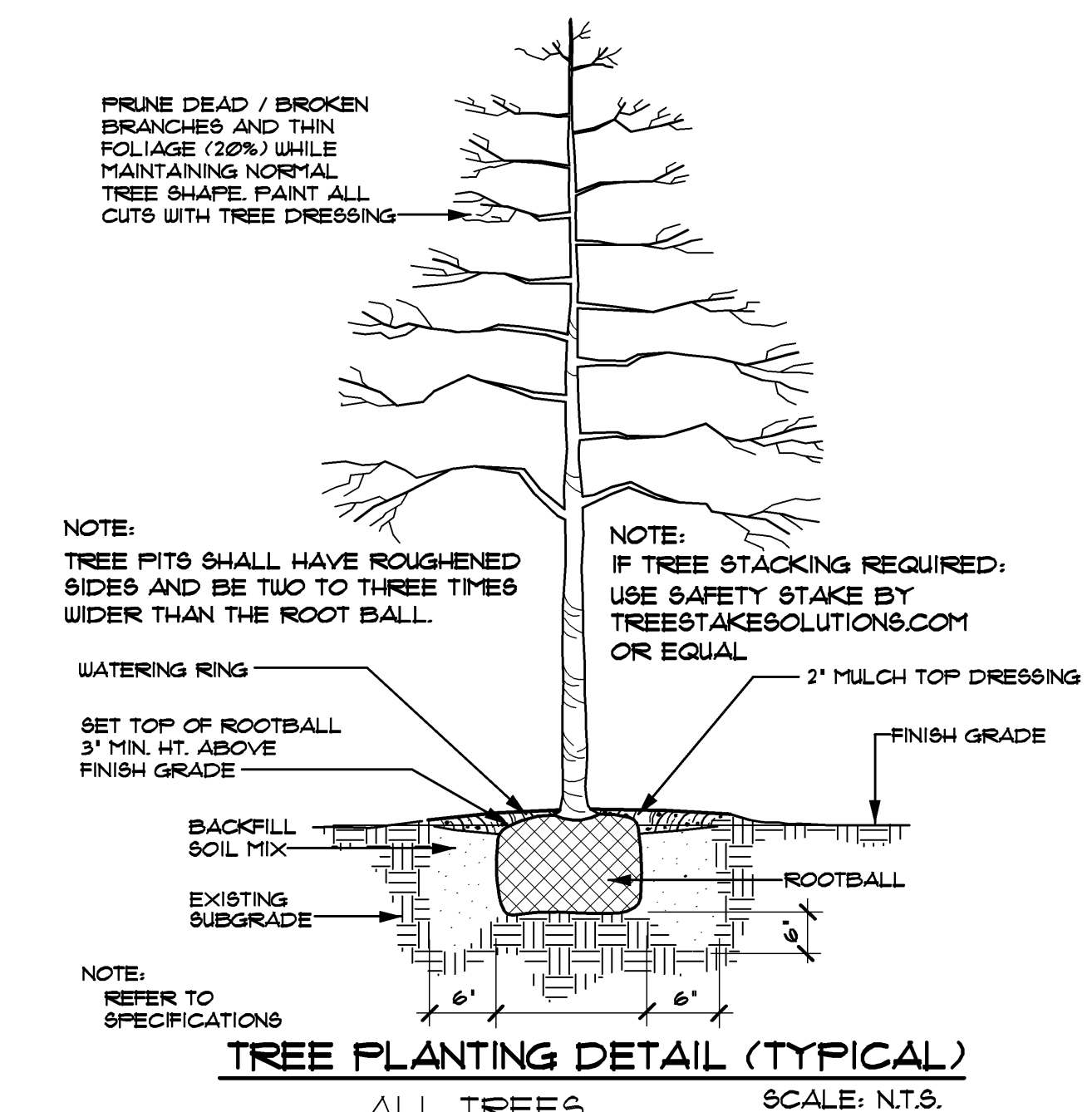
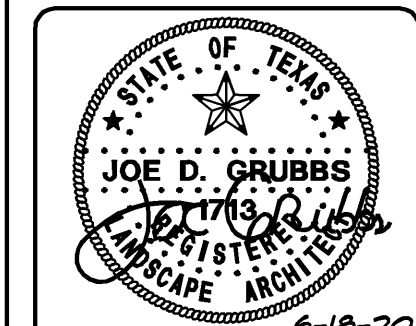


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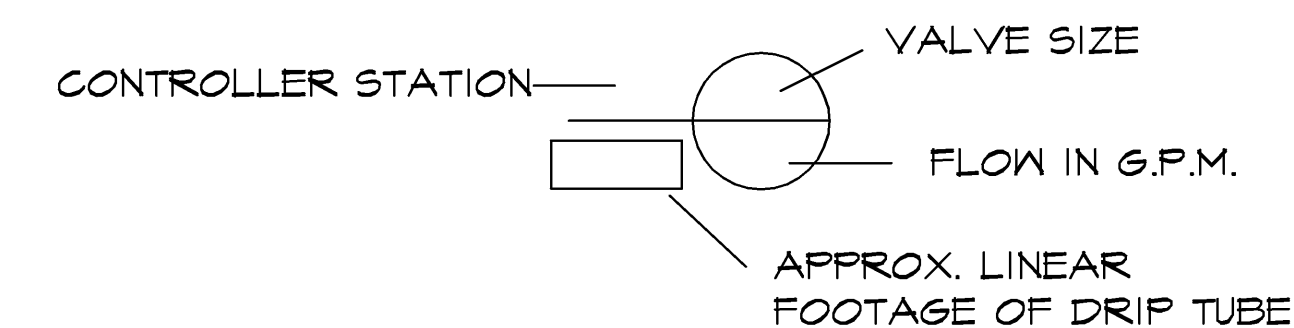
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Drawn By: JDG
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Colin County
Lavon Texas



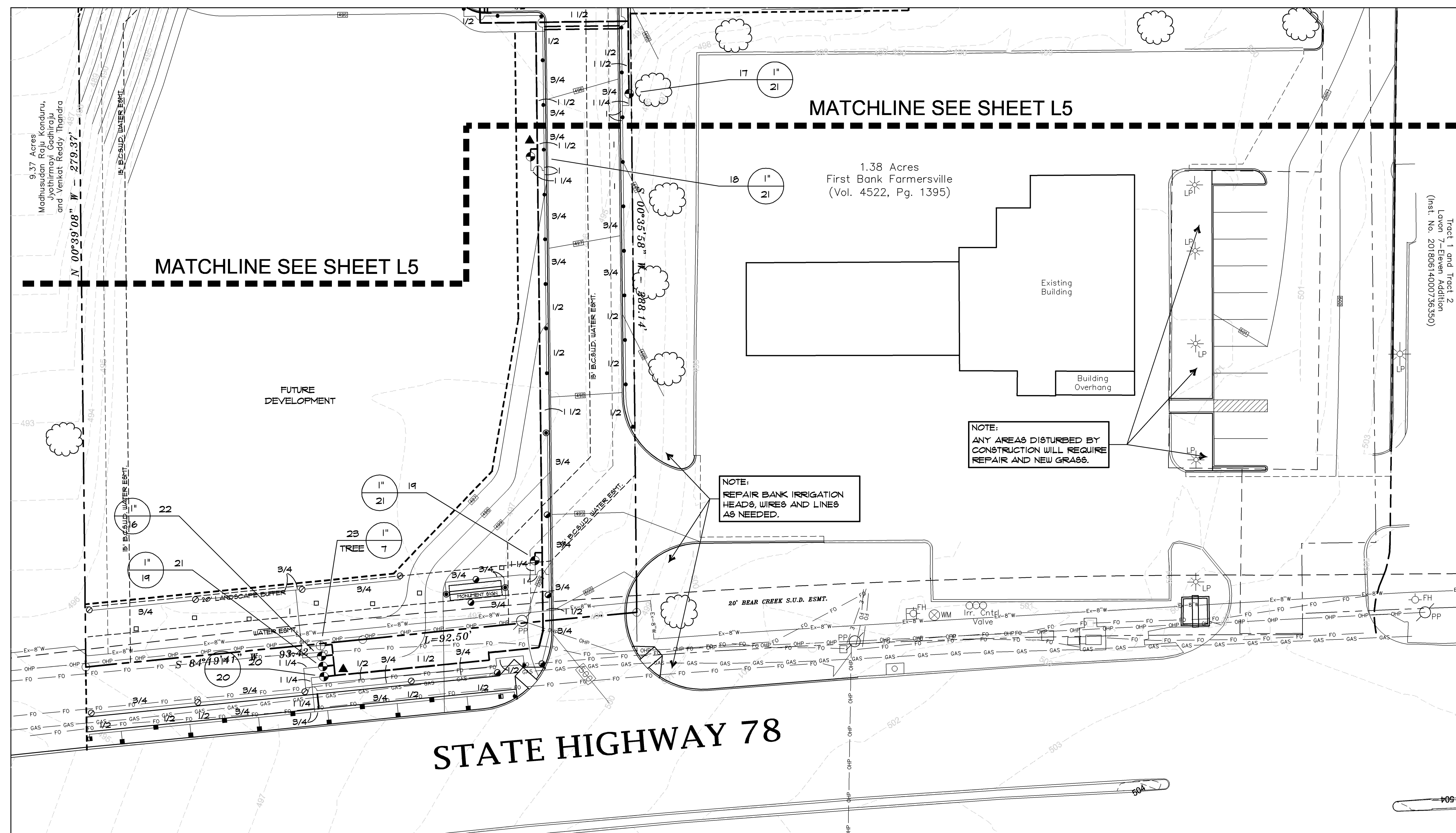
Landscape Specifications
Sheet Title:
Sheet Number: L3 of L6 Sheets

- HUNTER PRO3-06-PR350 SERIES POP UP SPRAY HEADS WITH HUNTER MSBN-50H STREAM BUBBLER NOZZLES. ( TWO PER TREE )  
SEE INSTALLATION NOTE #15 REGARDING TREE BUBBLER LATERAL PIPE
- HUNTER PRO3-04-PR350 SERIES POP UP SPRAY HEAD WITH 55 / E5 SERIES STRIP NOZZLE, UNLESS NOTED OTHERWISE.
- HUNTER PRO3-04-PR350 SERIES POP UP SPRAY HEAD WITH FRO SPRAY SERIES NOZZLE AS NOTED BELOW
- ▨ NETAFIM TECHLINE TLHCVXR5-C5-12 SERIES DRIP TUBE IN SHRUB BED INSTALLED AT 2' DEPTH  
SEE INSTALLATION NOTE #16 REGARDING DRIP TUBE LAYOUT IN SHRUB BEDS.
- ▨ NETAFIM TECHLINE TLHCVXR5-C5-12 SERIES DRIP TUBE IN NARROW TURF AREAS INSTALLED AT 4' DEPTH  
SEE INSTALLATION NOTE #17 REGARDING DRIP TUBE LAYOUT IN TURF.
- HUNTER P5P ULTRA, ADJUSTABLE ARG 4" POP UP ROTARY HEAD, PART CIRCLE, #159R BLACK NOZZLE UNLESS NOTED OTHERWISE
- HUNTER P5P ULTRA, ADJUSTABLE ARG 4" POP UP ROTARY HEAD, PART CIRCLE, #5.0 BLUE NOZZLE UNLESS NOTED OTHERWISE
- HUNTER P5P ULTRA, ADJUSTABLE ARG 4" POP UP ROTARY HEAD, PART CIRCLE, #4.0 BLUE NOZZLE UNLESS NOTED OTHERWISE
- HUNTER ICV SERIES ELECTRIC REMOTE CONTROL VALVE
- ⊕ HUNTER ICV SERIES ELECTRIC REMOTE CONTROL, "TREE BUBBLER ZONE" VALVE  
SEE INSTALLATION NOTE #15 REGARDING TREE BUBBLER LATERAL PIPE
- ⊕ NETAFIM LVGZ SERIES DRIP VALVE ASSEMBLY WITH 42 PSI REGULATOR AND 140 MESH FILTER  
USE MODEL LVGZ501007B-LF FOR DRIP ZONES WITH 25 TO 4.4 GPM FLOW RATE WITH  
PRESSURE REGULATOR MODEL #PRV075H42K2K  
USE MODEL LVGZ1007S FOR DRIP ZONES WITH 4.5 TO 11.6 GPM FLOW RATE WITH  
PRESSURE REGULATOR MODEL #PRV075H45V2K
- ▲ HUNTER HQ-33-LRC-R QUICK COUPLING VALVE WITH LOCKING PURPLE COVER AND 3/4" PVC BALL VALVE
- ⊕ 1" WILKINS 350 SERIES D.C.A. INSTALLED PER CITY CODE, WITH SAME SIZE WILKINS 350 SERIES BRONZE BALL VALVE AND WILKINS YB SERIES BRONZE WYE FILTER WITH 20 MESH STAINLESS STEEL SCREEN
- 1" IRRIGATION WATER METER AND TAB
- ⊕ 1" HUNTER ICV ELECTRIC "MASTER" VALVE AND HFS FLOW SENSOR WITH FCT
- ⊕ HUNTER A2C-1200-M SERIES AUTOMATIC CONTROLLER WITH TWO A2M-600 EXPANSION MODULES AND WRFC WIRELESS RAIN / FREEZE SENSOR  
LOCATE SENSOR AS FIELD DIRECTED BY THE LANDSCAPE ARCHITECT
- CLASS 200 PVC MAINLINE PIPE
- CLASS 200 ( EXCEPT 1/2 INCH #315 ) PVC LATERAL PIPE
- ONE 4" CLASS 200 SLEEVE PIPE, UNLESS NOTED OTHERWISE
- TWO 4" CLASS 200 SLEEVE PIPES, UNLESS NOTED OTHERWISE
- 1 1/2" PVC CONDUIT WITH LONG RADIUS SWEEP FITTINGS
- LATERAL PIPE WITHIN SWEEP CONDUITS SHALL BE 1/2" POLYETHYLENE



**COORDINATION WITH EXISTING TREES**  
NO MACHINE TRENCHING SHALL BE PERMITTED WITHIN THE ROOT ZONE OF EXISTING TREES. HAND-DIG ONLY, WITHIN THE ROOT ZONES OF EXISTING TREES. NO ROOTS OVER 1" DIAMETER SHALL BE CUT. STAKE ALL PROPOSED TRENCH ROUTES NEAR EXISTING TREES FOR APPROVAL BY THE LANDSCAPE ARCHITECT BEFORE DIGGING BEGINS.

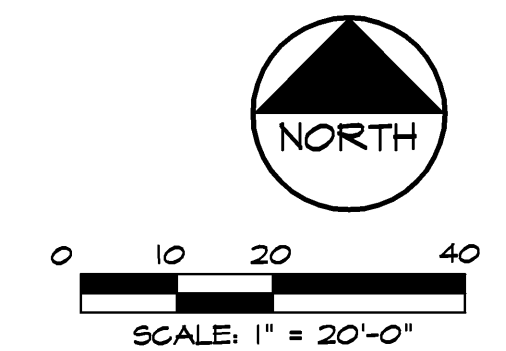
**TEMPORARY IRRIGATION**  
THE CONTRACTOR SHALL COORDINATE WITH THE PLANTING PLAN AND PROVIDE TEMPORARY IRRIGATION FOR THE ESTABLISHMENT OF ALL PROPOSED PLANT MATERIALS LOCATED OUTSIDE THE LIMITS OF COVERAGE PROVIDED BY THE PERMANENT SYSTEM.



**James Pole**  
IRRIGATION CONSULTANTS

IRRIGATION DESIGN, CONSULTING, AND LANDSCAPE WATER MANAGEMENT

TEXAS L.I.C. #650 PHONE: 940.248.2364  
100 N. LOCUST ST., SUITE B FAX: 940.382.2475  
DENTON, TEXAS 76201 james@jamespoleirrigation.com



Revisions:	Date:

Issued For:  
**CONSTRUCTION**

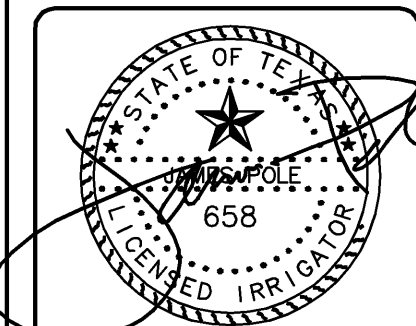
Job No.  
**20123**

Scale  
**1" = 20'-0"**

Drawn By:  
**JDS**

Date  
**06-18-2020**

**Collin County**  
Lavon Texas



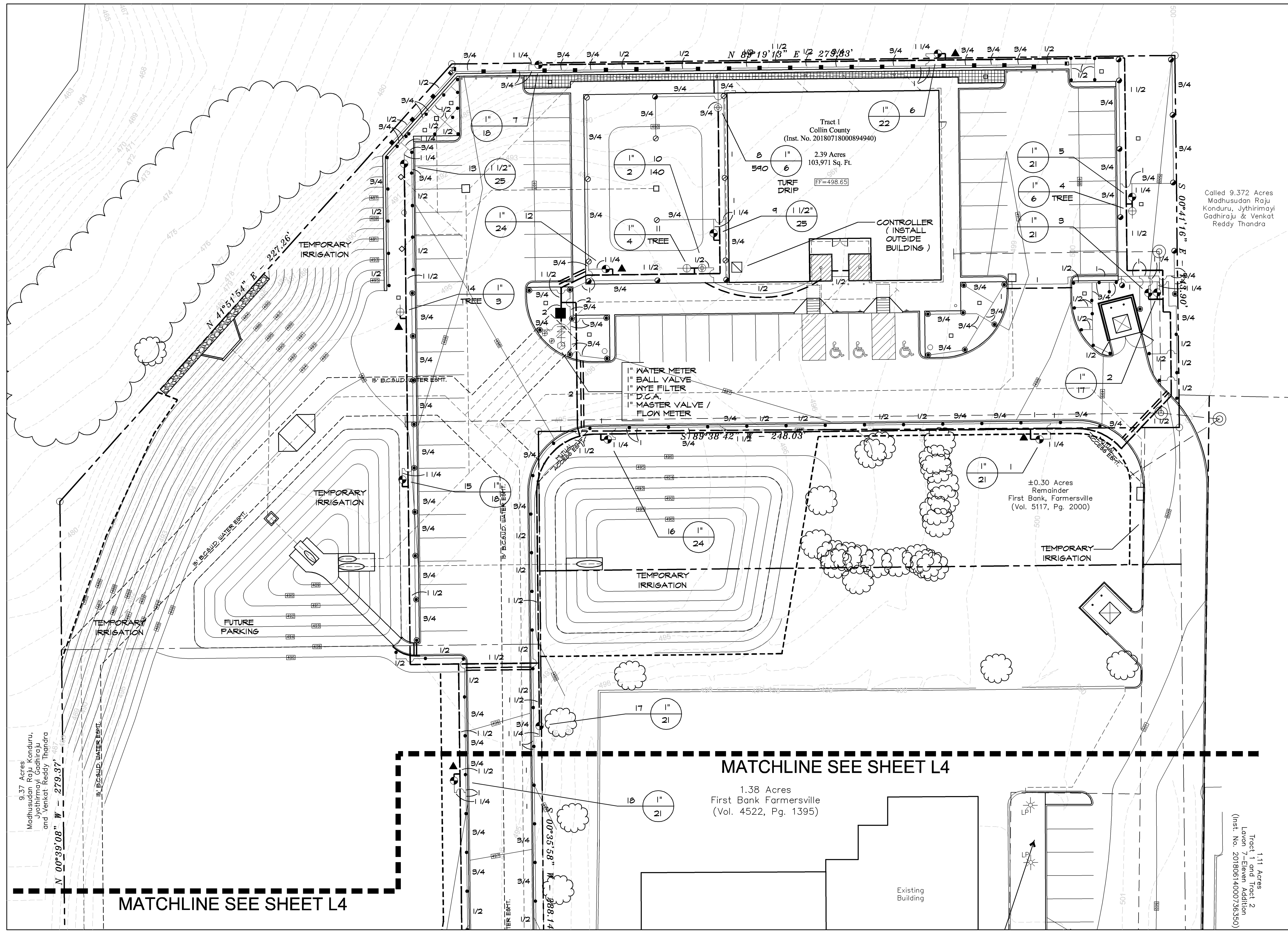
06 / 18 / 2020

Sheet Title:  
**Irrigation Plan**

Sheet Number:  
**L4**  
of L6 Sheets

Grubbs Design Group, P.L.L.C. - 403 South Tennessee Street - McKinney, Texas 75069 - Phone (972) 548-5020





9.37 Acres  
 Madhusudan Raju, Konduru,  
 Jyothirmayi Gadhiraju  
 and Venkat Reddy Thandra

Called 9.372 Acres  
 Madhusudan Raju  
 Konduru, Jyothirmayi  
 Gadhiraju & Venkat  
 Reddy Thandra

MATCHLINE SEE SHEET L4

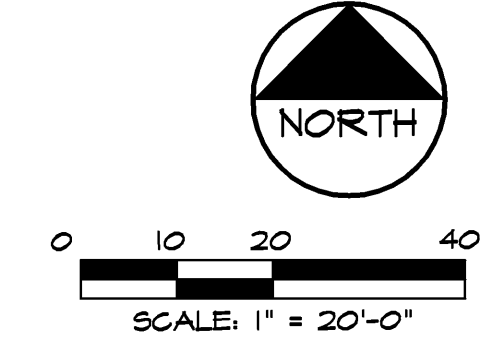
MATCHLINE SEE SHEET L4

1.38 Acres  
 First Bank Farmersville  
 (Vol. 4522, Pg. 1395)

1.11 Acres  
 Tract 1 and Tract 2  
 Lavon 7-Eleven Addition  
 (Inst. No. 20180614000735350)

**COORDINATION WITH EXISTING TREES**  
 NO MACHINE TRENCHING SHALL BE PERMITTED WITHIN THE ROOT ZONE OF EXISTING TREES. HAND-DIG ONLY, WITHIN THE ROOT ZONES OF EXISTING TREES. NO ROOTS OVER 1" DIAMETER SHALL BE CUT. STAKE ALL PROPOSED TRENCH ROUTES NEAR EXISTING TREES FOR APPROVAL BY THE LANDSCAPE ARCHITECT BEFORE DIGGING BEGINS.

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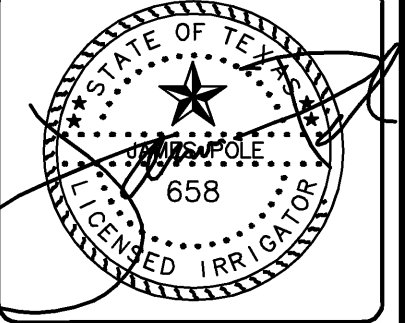


#	Revisions:	Date:

Issued For:  
**CONSTRUCTION**  
 Job No.  
 20123  
 Scale  
 1" = 20'-0"  
 Drawn By:  
 JDS  
 Date  
 06-18-2020

# Collin County

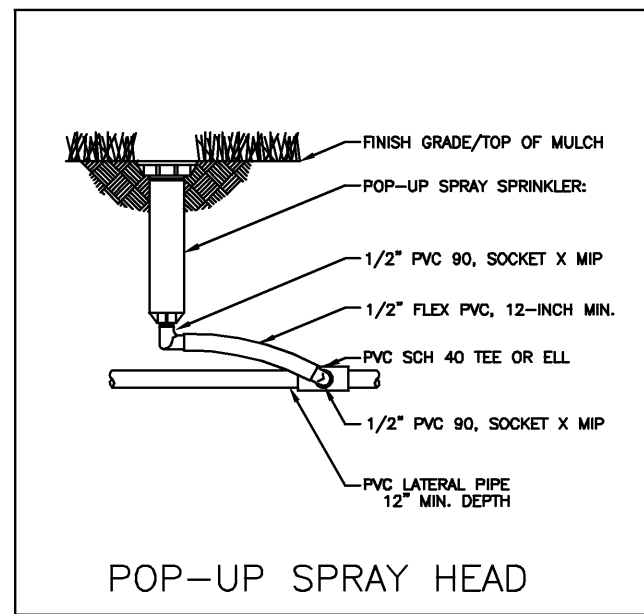
Lavon Texas



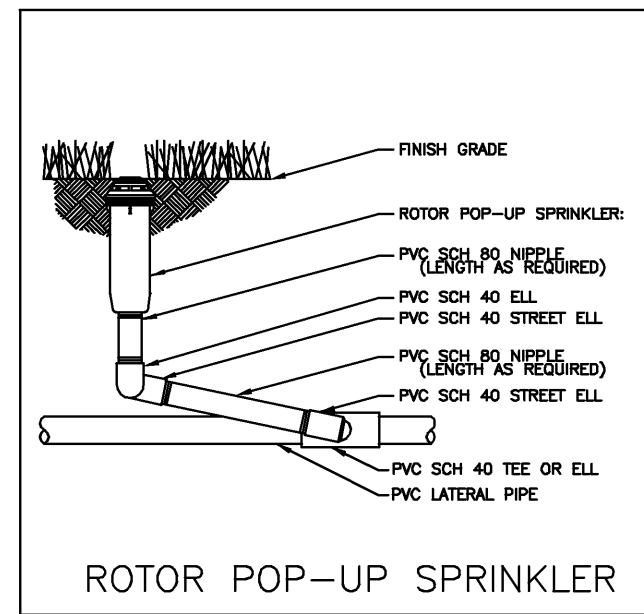
06 / 18 / 2020

# Irrigation Plan

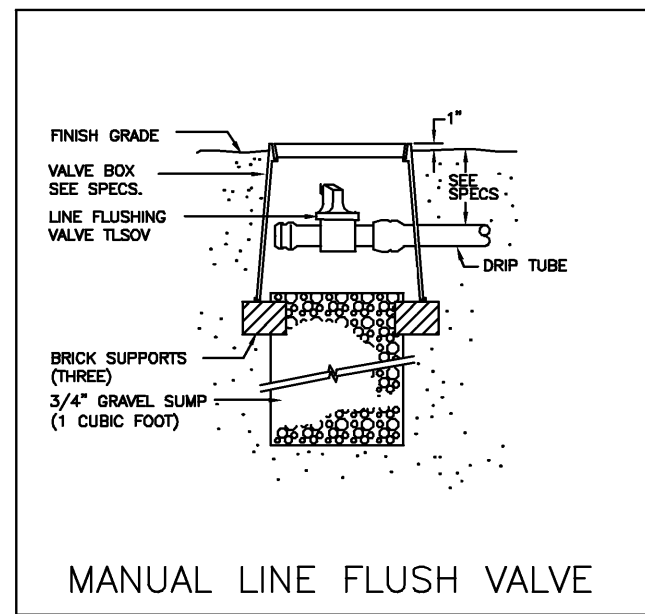
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 Sheet Number:  
**L5**  
 of L6 Sheets



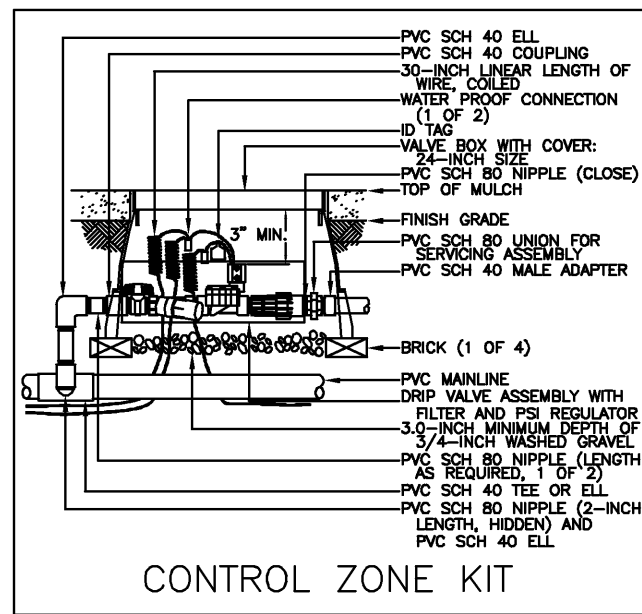
POP-UP SPRAY HEAD



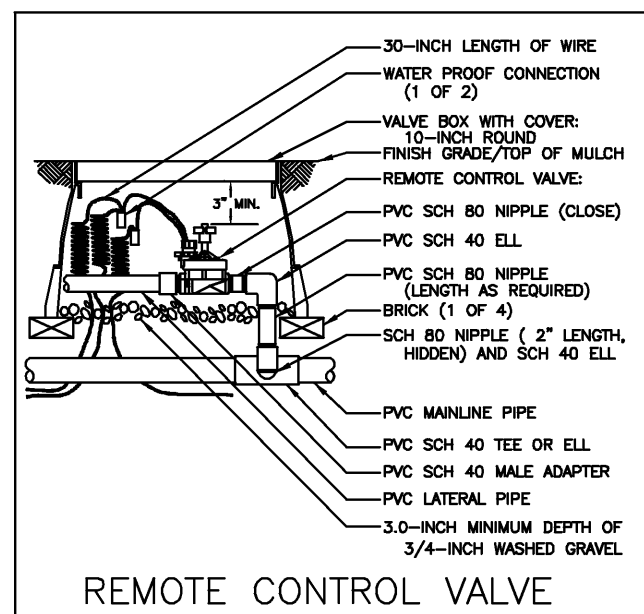
ROTOR POP-UP SPRINKLER



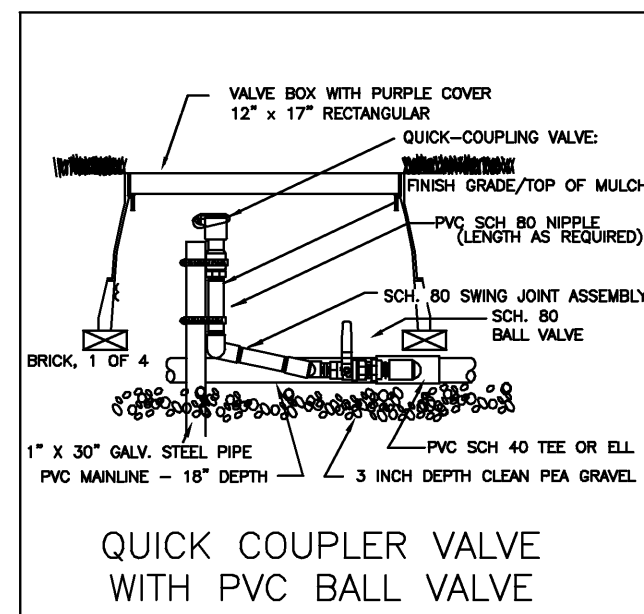
MANUAL LINE FLUSH VALVE



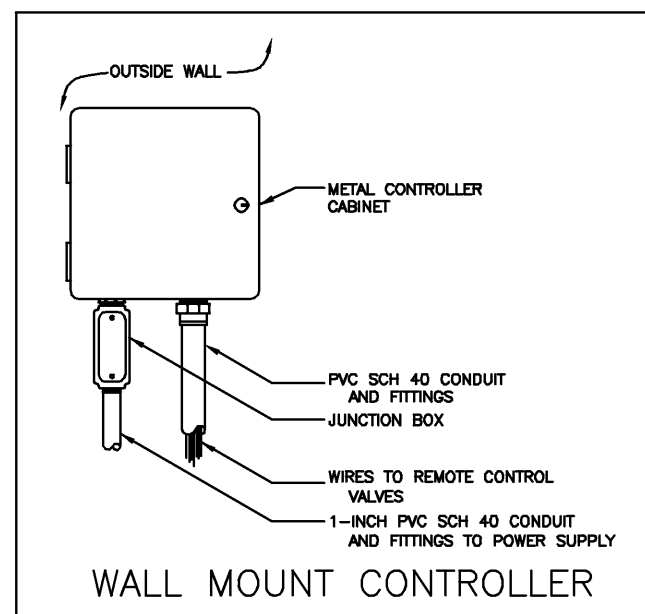
CONTROL ZONE KIT



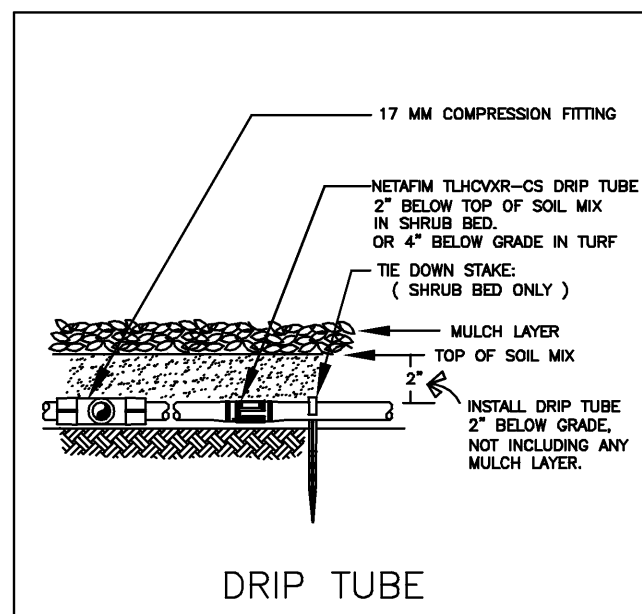
REMOTE CONTROL VALVE



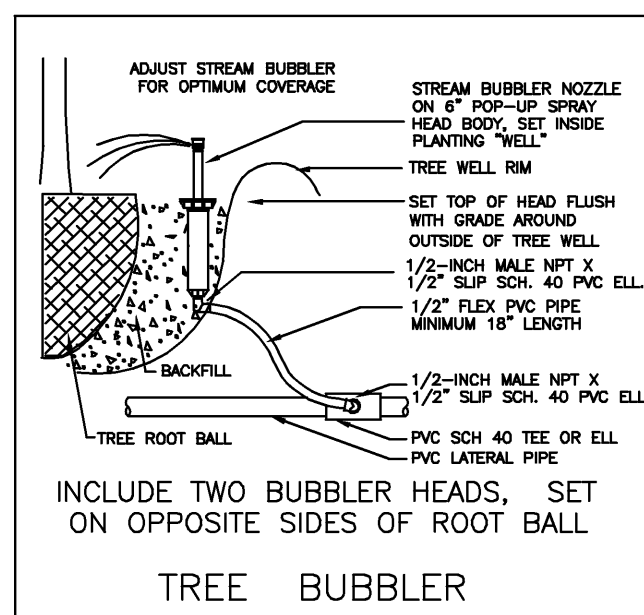
QUICK COUPLER VALVE WITH PVC BALL VALVE



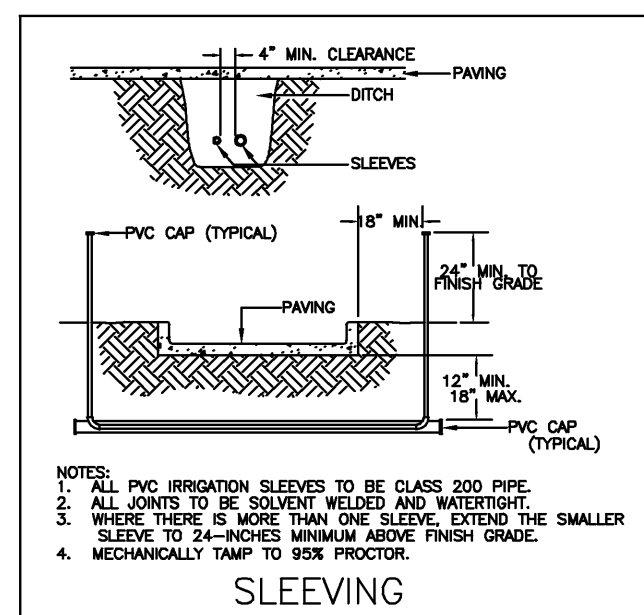
WALL MOUNT CONTROLLER



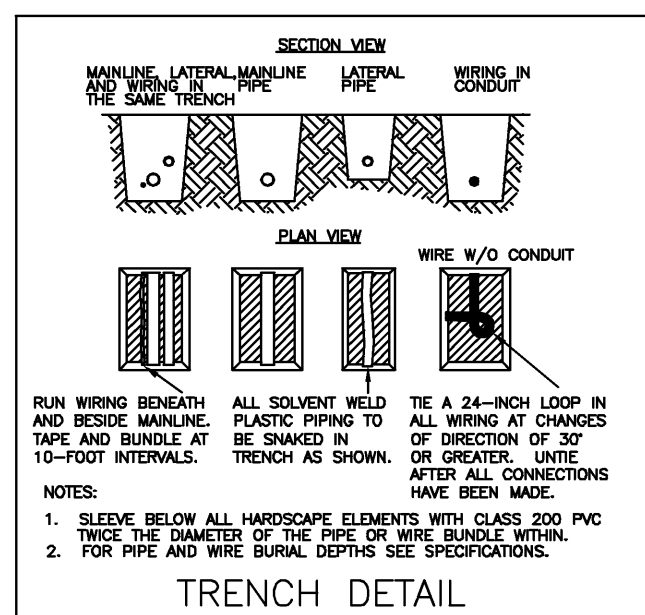
DRIP TUBE



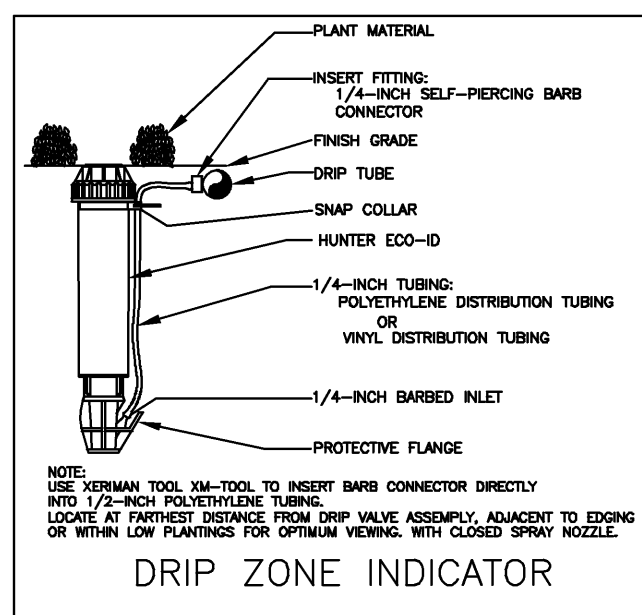
TREE BUBBLER



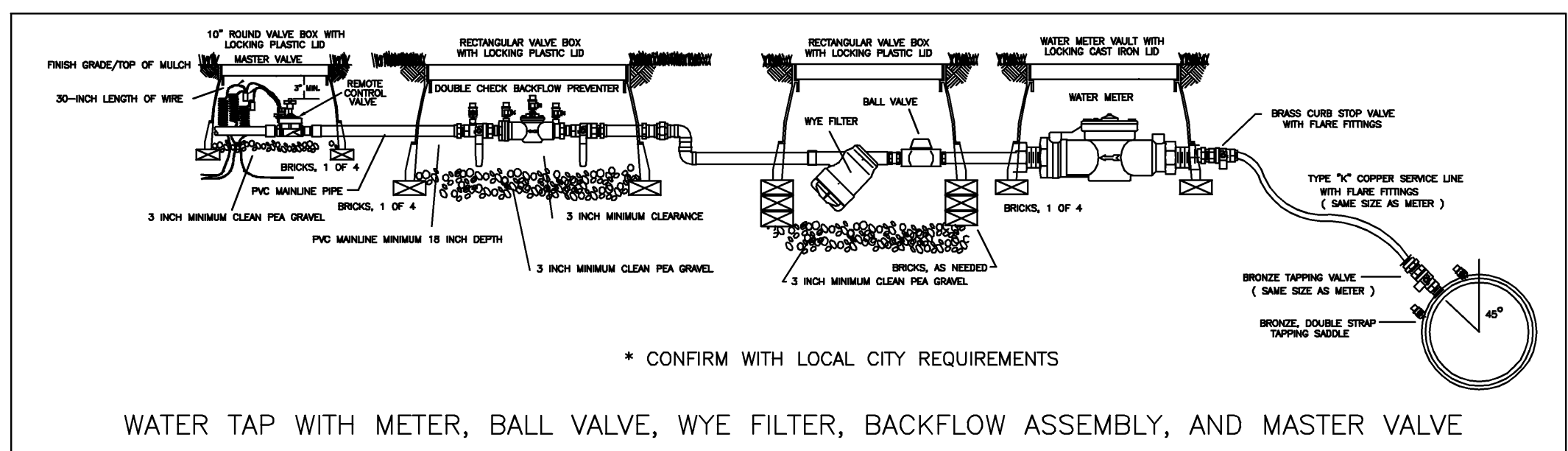
SLEEVE



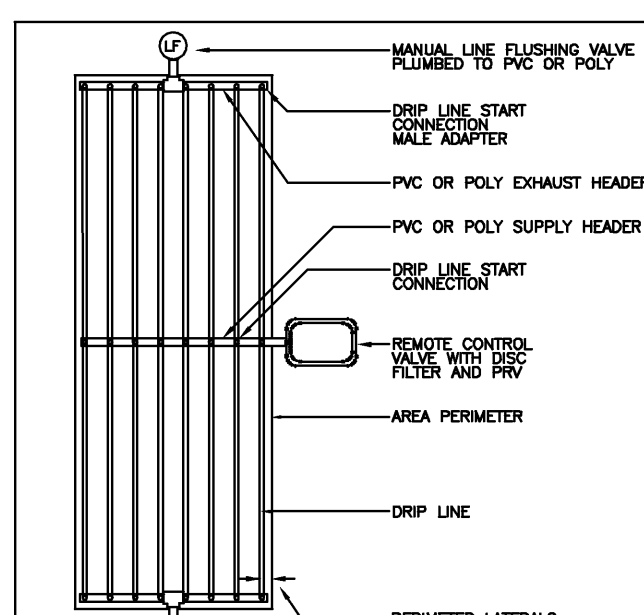
TRENCH DETAIL



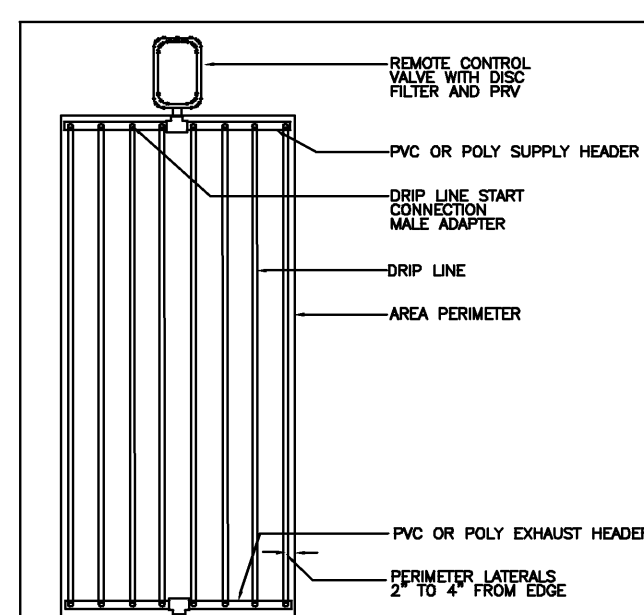
DRIP ZONE INDICATOR



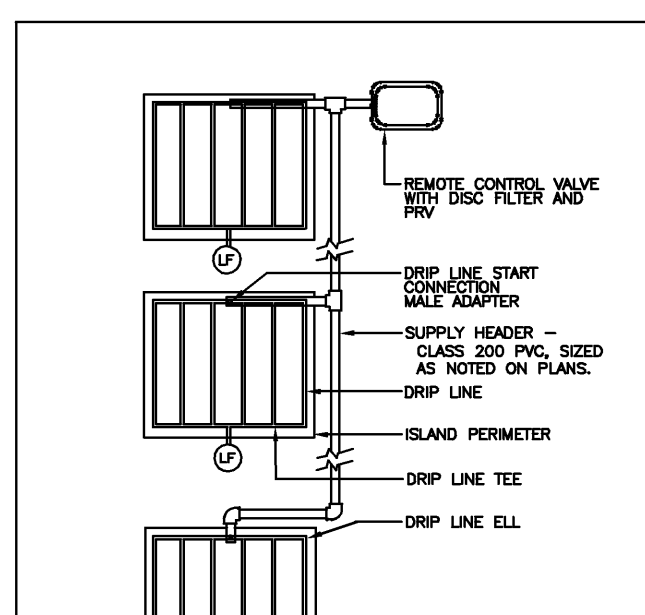
WATER TAP WITH METER, BALL VALVE, WYE FILTER, BACKFLOW ASSEMBLY, AND MASTER VALVE



DRIP CENTER FEED LAYOUT



DRIP END FEED LAYOUT



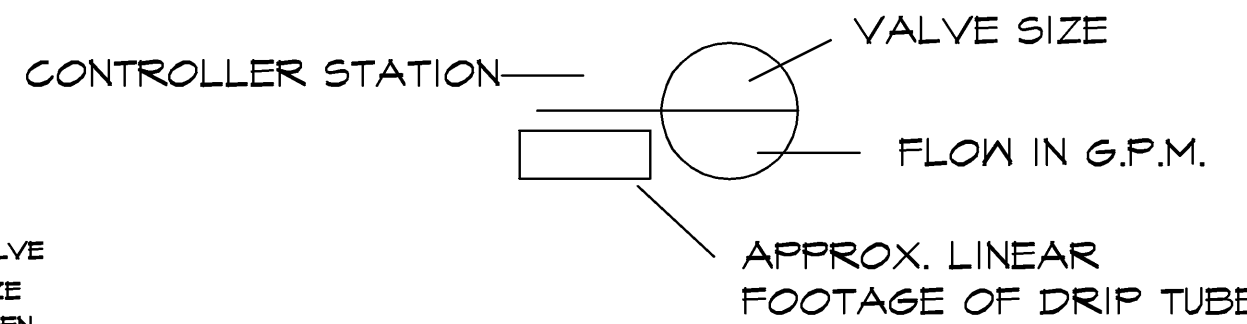
DRIP ISLAND LAYOUT

INSTALLATION NOTES

- COORDINATE IRRIGATION INSTALLATION WITH PLANTING PLAN AND SITE CONDITIONS TO PROVIDE COMPLETE COVERAGE WITH MINIMUM OVERSPRAY. THE IRRIGATION CONTRACTOR SHALL MAKE MINOR ADJUSTMENTS TO ENSURE PROPER COVERAGE AT NO ADDITIONAL COST TO THE OWNER. THE IRRIGATION CONTRACTOR SHALL COMPLY WITH ALL LOCAL AND STATE MANDATED IRRIGATION ORDINANCES AND CODES, AND WILL SECURE ALL REQUIRED PERMITS. I.I.C. SHALL PAY ANY ASSOCIATED FEES UNLESS OTHERWISE NOTED. ALL LOCAL CODES SHALL PREVAIL OVER ANY DISCREPANCIES HEREIN AND SHALL BE ADDRESSED BEFORE ANY CONSTRUCTION BEGINS.
- NO MACHINE TRENCHING SHALL BE PERMITTED WITHIN THE ROOT ZONE OF EXISTING TREES. HAND-DIG ONLY, WITHIN THE ROOT ZONES OF EXISTING TREES. NO ROOTS OVER 1" DIAMETER SHALL BE CUT. STAKE ALL PROPOSED TRENCH ROUTES NEAR EXISTING TREES FOR APPROVAL BY THE LANDSCAPE ARCHITECT BEFORE DIGGING BEGINS.
- CONFIRM MINIMUM STATIC WATER PRESSURE OF 60 PSI AT THE HIGHEST ELEVATION OF THE SYSTEM LIMITS, AND MAXIMUM STATIC WATER PRESSURE OF 90 P.S.I. AT THE LOWEST ELEVATION OF THE SYSTEM LIMITS AT LEAST 7 DAYS BEFORE BEGINNING WORK. IF STATIC WATER PRESSURE IS OUTSIDE THE RANGE STATED ABOVE, DO NOT PROCEED UNTIL DIRECTED BY THE LANDSCAPE ARCHITECT.
- LATERAL PIPE SHALL BE INSTALLED AT A MINIMUM DEPTH OF 12 INCHES. MAINLINE PIPE AND WIRES SHALL BE INSTALLED AT A MINIMUM DEPTH OF 18 INCHES. NO MACHINE TRENCHING SHALL BE PERMITTED WITHIN EXISTING TREE ROOT ZONES. WHEN HAND - TRENCHING WITHIN EXISTING TREE ROOT ZONES, NO ROOTS LARGER THAN 1" DIAMETER SHALL BE CUT.
- ALL PIPES AND WIRES LOCATED UNDER PAVEMENT SHALL BE INSTALLED WITHIN PVC SLEEVES. UNSLEEVED PIPES MAY BE SHOWN UNDER PAVEMENT FOR GRAPHIC CLARITY ONLY. INSTALL THESE PIPES IN ADJACENT LANDSCAPED AREAS.
- UNLESS NOTED OTHERWISE, ELECTRIC POWER SHALL BE PROVIDED WITHIN FIVE FEET OF CONTROLLER LOCATION BY GENERAL CONTRACTOR. I.I.C. TO PROVIDE FINAL HARD-WIRE TO CONTROLLER. UNSECURED "PLUG-IN" OUTLETS SHALL NOT BE USED WITH EXTERIOR CONTROLLER INSTALLATIONS.
- 24 VOLT VALVE WIRE SHALL BE A MINIMUM OF #14 GAUGE, U.F. APPROVED FOR DIRECT BURIAL, SINGLE CONDUCTOR "IRRIGATION WIRE". WIRE SPLICES SHALL INCLUDE DBY CONNECTORS AS MANUFACTURED BY 3M COMPANY. LOCATE FIELD SPLICES IN A ROUND VALVE BOX OF SUFFICIENT SIZE TO ALLOW INSPECTION. TAPE WIRE BUNDLES EVERY 20 L.F.
- VALVE BOXES SHALL BE INSTALLED FLUSH WITH GRADE, SUPPORTED BY BRICKS IF NEEDED, WITH 3 INCHES CLEAN PEA GRAVEL LOCATED BELOW THE VALVE. USE 12" x 11" RECTANGULAR VALVE BOXES WITH PURPLE LID FOR QUICK COUPLING VALVES AND 10" ROUND BOXES FOR ELECTRIC VALVES UNLESS NOTED OTHERWISE. D.C.A. WITH UPSTREAM BALL VALVE AND WYE FILTER SHALL BE BOXED AND LOCATED ACCORDING TO LOCAL CODE. THE PROPOSED LOCATIONS OF ALL VALVE BOXES SHALL BE STAKED BY THE CONTRACTOR FOR APPROVAL BY THE LANDSCAPE ARCHITECT OR THE OWNER'S REPRESENTATIVE BEFORE INSTALLATION.
- USE MANUFACTURED SCH. 80 PVC, O-RING TYPE SWING JOINT ASSEMBLIES TO CONNECT ALL ROTARY HEADS AND QUICK COUPLERS.
- ALL SPRAY HEADS SHALL BE CONNECTED WITH A 12' MINIMUM LENGTH OF 1/2" FLEX PVC. THE FLEX PVC SHALL BE SOLVENT WELDED TO SCHEDULE 40 PVC FITTINGS WITH WELD-ON #785 SOLVENT AND #P-10 PRIMER.
- PROVIDE ONE QUICK COUPLER KEY WITH SWIVEL HOSE ELL FOR EVERY SIX G.G. VALVES. (MINIMUM ONE SET).
- CONTRACTOR IS TO CONTACT APPROPRIATE AUTHORITIES AND LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION.
- LATERAL PIPE TO TREE STREAM BUBBLER HEADS IS OMITTED FOR GRAPHIC CLARITY. CONNECT TREE BUBBLER HEADS TO VALVES AS SHOWN WITH CLASS 200 PVC PIPE SIZED TO ALLOW A MAXIMUM FLOW VELOCITY OF 5 FEET PER SECOND.
- THE PROPOSED LOCATIONS OF ALL ABOVE-GROUND EQUIPMENT INCLUDING BACKFLOW PREVENTERS, CONTROLLERS AND WEATHER SENSORS SHALL BE STAKED BY THE CONTRACTOR FOR APPROVAL BY THE LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE BEFORE THESE ITEMS ARE INSTALLED.
- ALL HEADS SHALL BE INSTALLED A MINIMUM OF 4" FROM PAVEMENT EDGES. (6" OR GREATER WHERE REQUIRED BY LOCAL CODE.) FINAL HEAD ADJUSTMENTS BY THE CONTRACTOR SHALL INCLUDE ARC AND DISTANCE NOZZLE CHANGES, AND THE ADDITION OF CHECK VALVES AT HEADS, WHERE NEEDED, TO PREVENT EXCESSIVE LOW HEAD DRAINAGE. THE CONTRACTOR SHALL BUDGET FOR AND INSTALL CHECK VALVES FOR UP TO 10% OF THE TOTAL NUMBER OF HEADS, IF NEEDED, WITH NO ADDITIONAL CHARGE TO THE OWNER.
- WHERE SHOWN ON THE PLANS, MASS SHRUB / GROUND COVER BEDS SHALL INCLUDE NETAFIM TECHLINE TLHCVXR-CS SERIES DRIP TUBE WITH PRE-INSTALLED 55 GPH DRIP EMITTERS AT 12" INTERVALS (TLHCVXR-12), INSTALLED IN CENTER-FED GRIDS WITH ROWS SPACED 18" APART. INDIVIDUAL DRIP TUBE RUNS SHALL NOT EXCEED 150 L.F. PVC LATERAL "TRUNK" LINES SHALL BE INSTALLED 10" DEEP. DRIP TUBE SHALL BE SET 2" BELOW FINISHED SOIL GRADE (NOT INCLUDING MULCH LAYER), SECURELY STAKED EVERY 18". NETAFIM #TLOSOMF-I FLUSH VALVES SHALL BE INSTALLED AT THE FARTHEST POINTS FROM THE ZONE VALVE. USE 17 MM BARBED FITTINGS FOR DRIP LINE CONNECTIONS, SET THE MAXIMUM OPERATING PRESSURE AT 30 PSI. TECHLINE TLHCVXR-CS SHALL BE INSTALLED PERPENDICULAR TO SLOPE FACE. INSTALL TLGV IN-LINE CHECK VALVES FOR EVERY 8 FEET OF DRIP LINE ELEVATION CHANGE WITHIN THE ZONE. USE NETAFIM STAPLES (#TSL6) TO SECURE TUBING EVERY 18". EACH DRIP ZONE SHALL INCLUDE ONE MAINTENANCE "FLAG" WHICH SHALL CONSIST OF A 12" POP-UP SPRAY HEAD AND COMPLETELY CLOSED SPRAY NOZZLE. THE POP-UP HEAD SHALL BE CONNECTED TO THE DRIP ZONE PIPE, SET FLUSH WITH GRADE, AND LOCATED AT THE FARTHEST DISTANCE FROM THE DRIP VALVE ASSEMBLY. INSTALL THE "FLAG" HEAD ADJACENT TO EDGINGS OR IN LOW PLANTINGS FOR EASE OF VIEWING. SPARSLEY SPACED, INDIVIDUAL SHRUB PLANTINGS MAY INCLUDE RAINBIRD #XB10 SINGLE-OUTLET EMITTERS OR RAINBIRD #XB10-6 MULTI-OUTLET EMITTERS INSTALLED AS DETAILED. PROVIDE MINIMUM TWO, 1 G.P.H. OUTLETS PER INDIVIDUAL SHRUB. SINGLE / MULTI-OUTLET EMITTERS MAY BE CONNECTED TO THE SAME DRIP ZONE VALVE WHICH SERVES ADJACENT DRIP TUBE GRIDS, UNLESS NOTED OTHERWISE.
- WHERE SHOWN ON THE PLANS, SPECIFIC TURF AREAS SHALL INCLUDE NETAFIM TECHLINE TLHCVXR-CS SERIES DRIP TUBE WITH PRE-INSTALLED 6 GPH DRIP EMITTERS AT 12" INTERVALS (TLHCVXR-12), INSTALLED IN CENTER-FED GRIDS WITH ROWS SPACED 12" APART. INDIVIDUAL DRIP TUBE RUNS SHALL NOT EXCEED 150 L.F. PVC LATERAL "TRUNK" LINES SHALL BE INSTALLED 10" DEEP. DRIP TUBE SHALL BE SET 4" BELOW FINISHED SOIL GRADE. NETAFIM #TLOSOMF-I FLUSH VALVES SHALL BE INSTALLED AT THE FARTHEST POINTS FROM THE ZONE VALVE. USE 17 MM BARBED FITTINGS FOR DRIP LINE CONNECTIONS, SET THE MAXIMUM OPERATING PRESSURE AT 30 PSI. TECHLINE TLHCVXR-CS SHALL BE INSTALLED PERPENDICULAR TO SLOPE FACE. INSTALL TLGV IN-LINE CHECK VALVES FOR EVERY 8 FEET OF DRIP LINE ELEVATION CHANGE WITHIN THE ZONE. EACH DRIP ZONE SHALL INCLUDE ONE MAINTENANCE "FLAG" WHICH SHALL CONSIST OF A 12" POP-UP SPRAY HEAD AND COMPLETELY CLOSED SPRAY NOZZLE. THE POP-UP HEAD SHALL BE CONNECTED TO THE DRIP ZONE PIPE, SET FLUSH WITH GRADE, AND LOCATED AT THE FARTHEST DISTANCE FROM THE DRIP VALVE ASSEMBLY. INSTALL THE "FLAG" HEAD ADJACENT TO EDGINGS OR IN LOW PLANTINGS FOR EASE OF VIEWING. TEMPORARY SUPPLEMENTAL OVERHEAD WATERING MAY BE REQUIRED FOR INITIAL ESTABLISHMENT OF NEW SOD, SEEDED TURF, OR SEEDED NATIVE MIX AREAS SERVED BY SUB-SURFACE DRIP EQUIPMENT.

LEGEND

- HUNTER PROS-06-PRSSO SERIES POP UP SPRAY HEADS WITH HUNTER MSBN-504 STREAM BUBBLER NOZZLES. (TWO PER TREE) SEE INSTALLATION NOTE #13 REGARDING TREE BUBBLER LATERAL PIPE
- HUNTER PROS-04-PRSSO SERIES POP UP SPRAY HEAD WITH 55 / 63 SERIES STRIP NOZZLE, UNLESS NOTED OTHERWISE.
- HUNTER PROS-04-PRSSO SERIES POP UP SPRAY HEAD WITH PRO SPRAY SERIES NOZZLE AS NOTED BELOW
- NETAFIM TECHLINE TLHCVXR-CS-12 SERIES DRIP TUBE IN SHRUB BED INSTALLED AT 2" DEPTH SEE INSTALLATION NOTE #16 REGARDING DRIP TUBE LAYOUT IN SHRUB BEDS.
- NETAFIM TECHLINE TLHCVXR-CS-12 SERIES DRIP TUBE IN NARROW TURF AREAS INSTALLED AT 4" DEPTH SEE INSTALLATION NOTE #17 REGARDING DRIP TUBE LAYOUT IN TURF.
- HUNTER P6P ULTRA, ADJUSTABLE ARC 4" POP UP ROTARY HEAD, PART CIRCLE, #158R BLACK NOZZLE UNLESS NOTED OTHERWISE
- HUNTER P6P ULTRA, ADJUSTABLE ARC 4" POP UP ROTARY HEAD, PART CIRCLE, #9.0 BLUE NOZZLE UNLESS NOTED OTHERWISE
- HUNTER P6P ULTRA, ADJUSTABLE ARC 4" POP UP ROTARY HEAD, PART CIRCLE, #4.0 BLUE NOZZLE UNLESS NOTED OTHERWISE
- HUNTER ICV SERIES ELECTRIC REMOTE CONTROL VALVE
- HUNTER ICV SERIES ELECTRIC REMOTE CONTROL, "TREE BUBBLER ZONE" VALVE SEE INSTALLATION NOTE #13 REGARDING TREE BUBBLER LATERAL PIPE
- NETAFIM TECHLINE DRIP VALVE ASSEMBLY WITH 42 PSI REGULATOR AND 140 MESH FILTER USE MODEL LVZCS80100T5-LF FOR DRIP ZONES WITH 25 TO 4.4 GPM FLOW RATE WITH PRESSURE REGULATOR MODEL #PRV05L42V2K USE MODEL LVZ100T5 FOR DRIP ZONES WITH 4.5 TO 17.6 GPM FLOW RATE WITH PRESSURE REGULATOR MODEL #PRV07SHF45V2K
- HUNTER HQ-33-LRC-R QUICK COUPLING VALVE WITH LOCKING PURPLE COVER AND 3/4" PVC BALL VALVE
- 1" WILKINS 950 SERIES D.C.A. INSTALLED PER CITY CODE, WITH SAME SIZE WILKINS 850 SERIES BRONZE BALL VALVE AND WILKINS YB SERIES BRONZE WYE FILTER WITH 20 MESH STAINLESS STEEL SCREEN
- 1" IRRIGATION WATER METER AND TAP
- 1" HUNTER ICV ELECTRIC "MASTER" VALVE AND HFS FLOW SENSOR WITH FCT
- HUNTER A2G-1200-M SERIES AUTOMATIC CONTROLLER WITH TWO A2M-600 EXPANSION MODULES AND WRFC WIRELESS RAIN / FREEZE SENSOR LOCATE SENSOR AS FIELD DIRECTED BY THE LANDSCAPE ARCHITECT
- CLASS 200 PVC MAINLINE PIPE
- CLASS 200 (EXCEPT 1/2 INCH #315) PVC LATERAL PIPE
- ONE 4" CLASS 200 SLEEVE PIPE, UNLESS NOTED OTHERWISE
- TWO 4" CLASS 200 SLEEVE PIPES, UNLESS NOTED OTHERWISE
- 1/2" PVC CONDUIT WITH LONG RADIUS SWEEP FITTINGS
- LATERAL PIPE WITHIN SWEEP CONDUITS SHALL BE 1/2" POLYETHYLENE

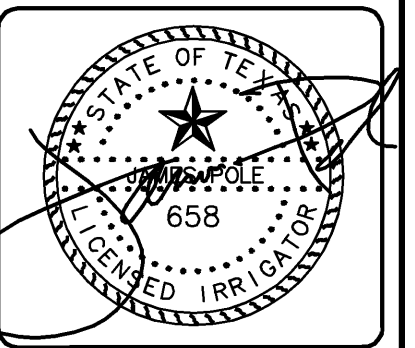


I.I.C. SHALL SELECT PRO-SPRAY SPRAY NOZZLES FOR "HEAD-TO-HEAD" COVERAGE, ADJUSTED FOR NO OVERSPRAY ONTO WALLS AND WALKS. NO OVERSPRAY INTO STREETS IS PERMITTED.

Date:	
Revisions:	
#	

Issued For:  
**CONSTRUCTION**  
Job No.  
20123  
Scale  
N.T.S.  
Drawn By:  
JDS  
Date  
06-18-2020

**Colin County**  
Lavon Texas



06 / 18 / 2020

Sheet Title:  
**Irrigation Specifications**

Sheet Number:  
**L6**  
of L6 Sheets



## Collin County Purchasing

### **2020-272 Addendum 1**

#### **Construction, New Office Building for Precinct 2 Justice of the Peace & Constable**

Issue Date: 6/2/2020

Questions Deadline: 7/10/2020 03:00 PM (CT)

Response Deadline: 7/16/2020 02:00 PM (CT)

Collin County Purchasing

#### **Contact Information**

Contact: JD Griffin, CPPB Buyer II

Address: Purchasing

Admin. Building

Ste.3160

2300 Bloomdale Rd.

Ste. 3160

McKinney, TX 75071

Phone: (972) 548-4116

Fax: (972) 548-4694

Email: [jgriffin@co.collin.tx.us](mailto:jgriffin@co.collin.tx.us)

## Event Information

Number: 2020-272 Addendum 1  
Title: Construction, New Office Building for Precinct 2 Justice of the Peace & Constable  
Type: Invitation for Bid - Construction  
Issue Date: 6/2/2020  
Question Deadline: 7/10/2020 03:00 PM (CT)  
Response Deadline: 7/16/2020 02:00 PM (CT)  
Notes: The Work is composed of general construction of a new office and JP courtroom building, including HVAC, electrical, plumbing and site development. The Project is located directly behind the Independent Bank Building on the north side of the intersection of Texas 78 and Texas 205 in Lavon, Texas.

Please log in to view bid documents.

## Ship To Information

Address: 121 Private Road 5681  
Lavon, TX 75166

## Billing Information

Address: Auditor  
Admin. Building  
Ste. 3100  
2300 Bloomdale Rd.  
Ste. 3100  
McKinney, TX 75071

## Bid Activities

### Pre-Bid Conference

6/16/2020 1:30:00 PM (CT)

A PRE-BID CONFERENCE will be held by Collin County via Cisco Webex on Tuesday, June 16, 2020 at 1:30 P.M. in order for bidders to ask questions regarding the proposed work. Please send an email to [purchasing@co.collin.tx.us](mailto:purchasing@co.collin.tx.us) and put IFB 2020-272 Construction, New Office Building for Precinct 2 Justice of the Peace & Constable in the subject line and include your company name and email address so that we may send you a link to attend. It is the bidder's responsibility to review the site and documents to gain a full understanding of the requirements of the bid.

## Bid Attachments

### Addendum 1\_2020-272.doc

Addendum 1

[View Online](#)

### LEGAL NOTICE-2020-272.doc

Legal Notice

[Download](#)

### CC JP Constable Project Manual.pdf

Specifications

[View Online](#)

### Plans.pdf

Plans

[View Online](#)

### Pre-Bid Attendee List\_6-16-20.pdf

Pre-Bid Attendee List

[View Online](#)

### Pre-Bid Questions & Answers\_6-16-20.pdf

Pre-Bid Conference Questions & Answers

[View Online](#)

## 1813 CC JP Constable Office AD One.docx

Architect's Addendum No. One

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## 00 01 10 Table of Contents (revised).pdf

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## 01 23 00 Alternates (revised).pdf

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## LV2 - Revised 2020-06-15.pdf

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## Requested Attachments

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### Conflict of Interest Questionnaire

#### W-9

*(Attachment required)*

#### Bid Bond

*(Attachment required)*

**BID SECURITY:** All Bidders must submit, prior to the bid opening time, a Certified Check, Cashier's Check or acceptable Bid Bond payable without recourse to Collin County in the amount of not less than five percent (5%) of the total bid plus alternates as submitted.

1. Bid Bond, certified check or Cashier's Check may be mailed or delivered to the Office of the Collin County Purchasing Agent, Collin County Administration Building, 2300 Bloomdale Road, Ste 3160, McKinney, TX 75071 and shall be delivered in an envelope, marked plainly on the outside with the Bid Name and Number.
2. Bidders submitting a bid via Collin County eBid shall upload a Bid Bond at <https://collincountytx.ionwave.net>

Regardless of delivery method, all Bid Bonds shall be received prior to the bid opening time to be considered. Failure to submit a copy of bid security prior to bid opening shall be cause for rejection of bid.

The original Bid Bond shall be received in the Collin County Purchasing Department no later than close of business on the third working day after the bid opening. Late receipt of original Bid Bond shall be cause for rejection of bid.

# Bid Attributes

## 1 Solicitation Submittals

In an effort to avoid person-to-person interaction to comply with the latest Order issued to prevent the spread of COVID-19, Collin County Purchasing will temporarily only accept IFB, RFP, RFQ and Quote submittals electronically in Ionwave (eBid) or via parcel carrier until further notice. Please do not deliver your solicitation response in person. All bid openings will be completed on schedule and witnessed by Collin County Purchasing staff to ensure all procurement statutes, policies and state laws are followed. Please initial.

(Required: Maximum 1000 characters allowed)

## 2 eBid Notice

Collin County exclusively uses IonWave Technologies, Inc. (Collin County eBid) for the notification and dissemination of all solicitations. The receipt of solicitations through any other means may result in your receipt of incomplete specifications and/or addendums which could ultimately render your bid/proposal non-compliant. Collin County accepts no responsibility for the receipt and/or notification of solicitations through any other means. Please initial.

(Required: Maximum 1000 characters allowed)

## 3 Contact Information

List the contact name, email address and phone number of the main person(s) Collin County should contact in reference to this solicitation. Contact(s) shall be duly authorized by the company, corporation, firm, partnership or individual to respond to any questions, clarification, and or offers in response to this solicitation.

(Required: Maximum 4000 characters allowed)

## 4 Calendar Days Bid

Please state the consecutive calendar days bid from notice to proceed through completion of project.

(Required: Numbers only)

## 5 Exceptions

Do you take exceptions to the specifications. If so, by separate attachment, please state your exceptions.

Yes  No

(Required: Check only one)

**6 Insurance Acknowledgement – Construction/Public Works**

I understand that the insurance requirements of this solicitation are required and are included in the submitted pricing. The Contractor shall furnish certificates of insurance for both the Contractor and any subcontractor to the Purchasing department if awarded all or a portion of the resulting contract. Please initial.

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*(Required: Maximum 1000 characters allowed)*

**7 Bonding Requirement Acknowledgement**

I understand that the bonding requirements of this solicitation are required and are included in the submitted pricing. A bond certificate (payment, performance, and/or maintenance) as stated in the specification document shall be submitted to the Purchasing department if I am awarded all or a portion of the resulting contract. Please initial.

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*(Required: Maximum 1000 characters allowed)*

**8 Subcontractors**

State the business name of all subcontractors and the type of work they will be performing under this contract. If you are fully qualified to self-perform the entire contract, please respond with "Not Applicable-Self Perform".

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*(Required: Maximum 4000 characters allowed)*

**9 Reference No. 1**

List a company or governmental agency, other than Collin County, where these same/like products/services, as stated herein, have been provided. Texas references preferred. Include the following: Company/Entity, Contact, Address, City/State/Zip, Phone, and E-Mail.

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*(Required: Maximum 4000 characters allowed)*

**1**  
**0** **Reference No. 2**

List a company or governmental agency, other than Collin County, where these same/like products/services, as stated herein, have been provided. Texas references preferred. Include the following: Company/Entity, Contact, Address, City/State/Zip, Phone, and E-Mail.

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*(Required: Maximum 4000 characters allowed)*

**1**  
**1** **Reference No. 3**

List a company or governmental agency, other than Collin County, where these same/like products/services, as stated herein, have been provided. Texas references preferred. Include the following: Company/Entity, Contact, Address, City/State/Zip, Phone, and E-Mail.

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*(Required: Maximum 4000 characters allowed)*

**1**  
**2** **Preferential Treatment**

The County of Collin, as a governmental agency of the State of Texas, may not award a contract to a nonresident bidder unless the nonresident's bid is lower than the lowest bid submitted by a responsible Texas resident bidder by the same amount that a Texas resident bidder would be required to underbid a nonresident bidder to obtain a comparable contract in the state in which the nonresident's principal place of business is located (Government Code, Title 10, V.T.C.A., Chapter 2252, Subchapter A).

1. Is your principal place of business in the State of Texas?
2. If your principal place of business is not in Texas, in which State is your principal place of business?
3. If your principal place of business is not in Texas, does your state favor resident bidders (bidders in your state) by some dollar increment or percentage?
4. If your state favors resident bidders, state by what dollar amount or percentage.

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*(Required: Maximum 4000 characters allowed)*

**1**  
**3** **Debarment Certification**

I certify that neither my company nor an owner or principal of my company has been debarred, suspended or otherwise made ineligible for participation in Federal Assistance programs under Executive Order 12549, "Debarment and Suspension," as described in the Federal Register and Rules and Regulations. Please initial.

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*(Required: Maximum 1000 characters allowed)*



**1**  
**4** **Immigration and Reform Act**

I declare and affirm that my company is in compliance with the Immigration and Reform Act of 1986 and all employees are legally eligible to work in the United States of America. I further understand and acknowledge that any non-compliance with the Immigration and Reform Act of 1986 at any time during the term of this contract will render the contract voidable by Collin County. Please initial.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
*(Required: Maximum 1000 characters allowed)*

**1**  
**5** **Disclosure of Certain Relationships**

Chapter 176 of the Texas Local Government Code requires that any vendor considering doing business with a local government entity disclose the vendor's affiliation or business relationship that might cause a conflict of interest with a local government entity. Subchapter 6 of the code requires a vendor to file a conflict of interest questionnaire (CIQ) if a conflict exists. By law this questionnaire must be filed with the records administrator of Collin County no later than the 7th business day after the date the vendor becomes aware of an event that requires the statement to be filed. A vendor commits an offense if the vendor knowingly violates the code. An offense under this section is a misdemeanor. By submitting a response to this request, the vendor represents that it is in compliance with the requirements of Chapter 176 of the Texas Local Government Code. Please send completed forms to the Collin County County Clerk's Office located at 2300 Bloomdale Rd., Suite 2104, McKinney, TX 75071. Please initial.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
*(Required: Maximum 1000 characters allowed)*

**1**  
**6** **Anti-Collusion Statement**

Bidder certifies that its Bid/Proposal is made without prior understanding, agreement, or connection with any corporation, firm, or person submitting a Bid/Proposal for the same materials, services, supplies, or equipment and is in all respects fair and without collusion or fraud. No premiums, rebates or gratuities permitted; either with, prior to, or after any delivery of material or provision of services. Any such violation may result in Agreement cancellation, return of materials or discontinuation of services and the possible removal from bidders list. Please initial.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
*(Required: Maximum 1000 characters allowed)*

**1**  
**7** **Disclosure of Interested Parties**

Section 2252.908 of the Texas Government Code requires a business entity entering into certain contracts with a governmental entity to file with the governmental entity a disclosure of interested parties at the time the business entity submits the signed contract to the governmental entity. Section 2252.908 requires the disclosure form (Form 1295) to be signed by the authorized agent of the contracting business entity, acknowledging that the disclosure is made under oath and under penalty of perjury. Section 2252.908 applies only to a contract that requires an action or vote by the governing body of the governmental entity before the contract may be signed or has a value of at least \$1 million. Section 2252.908 provides definitions of certain terms occurring in the section. Section 2252.908 applies only to a contract entered into on or after January 1, 2016. Please initial.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
*(Required: Maximum 1000 characters allowed)*

**18 Notification Survey**  
In order to better serve our offerors, the Collin County Purchasing Department is conducting the following survey. We appreciate your time and effort expended to submit your bid. Should you have any questions or require more information please call (972) 548-4165. How did you receive notice of this request?  
 Plano Star Courier    Plan Room    Collin County eBid Notification    Collin County Website  
 Other  
*(Required: Check only one)*

**19 Cooperative Contract Name**  
State the cooperative contract name this quote is offered under. (i.e. TX DIR, TXMAS, OMNIA Partners, Buyboard, TIPS/TAPS, HGAC, HCDE, etc.) If none, answer N/A.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
*(Required: Maximum 4000 characters allowed)*

**20 Cooperative Contract Number**  
State the cooperative contract number this quote is offered under. If none, answer N/A.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
*(Required: Maximum 4000 characters allowed)*

**21 Cooperative Contract Website**  
Please provide the website URL for the cooperative contract this quote is offered under. If none, answer N/A.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
*(Required: Maximum 1000 characters allowed)*

**2**  
**2** **Bid Bond Acknowledgement**

I understand that accompanying this bid, is a certified check, cashier's check or Bid Bond in the amount of five percent (5%) of the total amount bid. Bidders submitting a bid via Collin County eBid shall upload a Bid Bond at <https://collincountytx.ionwave.net>. Regardless of delivery method, all Bid Bonds shall be received prior to the bid opening time to be considered.

I understand that the original Bid Bond shall be received in the Collin County Purchasing Department no later than close of business on the third working day after the bid opening. **Late receipt of original Bid Bond shall be cause for rejection of bid.** Please initial.

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*(Required: Maximum 4000 characters allowed)*

**2**  
**3** **Construction Acknowledgement**

Bidder, declares that the only person or parties interested in this bid are those principals named herein, that his/her bid is made without collusion with any other person, firm or corporation, that he/she has carefully examined the Contract Documents including the Advertisement for Bids, Instruction to Bidders, Construction Agreement, Specifications and the Drawings, therein referred to and has carefully examined the locations, conditions and classes of materials for the proposed work, and agrees that he/she will provide all the necessary labor, machinery, tools, equipment, apparatus and other items incidental to construction and will do all the work and furnish all the materials called for in the Contract Documents in the manner prescribed therein. Bidder hereby declares that he/she has visited the site of the Work and has carefully examined the Contract Documents pertaining to the Work covered by the above Bid, and he/she further agrees to commence work within ten (10) consecutive calendar days after date of written Notice to Proceed and to substantially complete the work on which he/she has bid within the number of days specified subject to such extensions of time allowed by Specifications. Bidder certifies that the bid prices contained in this bid have been carefully checked and are submitted as correct and final. The prices have been shown in words and figures for each item listed in this bid and it is understood that in the event of a discrepancy, the words shall govern. Please initial.

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*(Required: Maximum 1000 characters allowed)*

**2**  
**4** **Addendum No. 1 Acknowledgement**

Please initial to verify your receipt of the addendum.

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*(Required: Maximum 1000 characters allowed)*

**Bid Lines**

**1** **Package Header**

Base Bid Grand Total

Quantity:   1   UOM:   lump sum   Total: \$

Item Notes: Total Material Cost (Line 1.1) and Total Labor Cost (Line 1.2) must add up to the Base Bid Grand Total. The contract award will be based on the Base Bid Grand Total.

No bid  
 Alternate specification

Supplier Notes: \_\_\_\_\_  
\_\_\_\_\_

- (Attach separate sheet)
- Additional notes  
(Attach separate sheet)

## Package Attributes

### 1. Base Bid Grand Total- Written in Words

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(Required: Maximum 4000 characters allowed)

## Package Items

### 1.1 Total Materials Cost Incorporated in Project

(Response required)

Quantity:   1   UOM:   lump sum   Price: \$  Total: \$

Supplier Notes: \_\_\_\_\_  
\_\_\_\_\_

- No bid
- Alternate specification  
(Attach separate sheet)
- Additional notes  
(Attach separate sheet)

### 1.2 Total Labor Cost Incorporated in Project

(Response required)

Quantity:   1   UOM:   lump sum   Price: \$  Total: \$

Supplier Notes: \_\_\_\_\_  
\_\_\_\_\_

- No bid
- Alternate specification  
(Attach separate sheet)
- Additional notes  
(Attach separate sheet)

**2** Bid Alternate One (1): At five (5) Windows D, E, F and G located at Room 102 Service Windows, in lieu of 3/8 IN thick fixed glass with a 3 IN wide pass slot x 5 FT 6 IN tall at standard service counters and 6 FT 6 IN tall at HC service counters, all with an 8 IN high GWB header above as shown on Interior Elevations 1-4 on Sheet A17, install Level 3 bullet-resistant steel frames and glazing with non-ricochet transaction trays below the glazing and passive voice speakers through the glazing as specified in Section 08 56 67 Bullet-Resistant Steel Transaction Windows and Section 08 88 56 Bullet-Resistant Glazing. Bullet-resistant transaction windows shall be width shown on the Drawings by 3 FT 8 IN tall at standard service count

(Response required)

Quantity:   1   UOM:   lump sum   Price: \$  Total: \$

Item Notes: Refer to Section 01 23 00

Supplier Notes: \_\_\_\_\_  
\_\_\_\_\_

- No bid
- Alternate specification  
(Attach separate sheet)
- Additional notes  
(Attach separate sheet)

3

**Unit Prices.**

*(Line excluded from response total)*

Supplier Notes: \_\_\_\_\_

Additional notes  
*(Attach separate sheet)*

**Item Attributes**

**1. State Unit Price (per linear foot) for Drilled Concrete Piers.**

Refer to Section 01 22 00, 1.07, A.

\$

*(Required: Numbers only)*

**2. State Unit Price (per linear foot) for Temporary Steel Pier Casings.**

Refer to Section 01 22 00, 1.07, B.

\$

*(Required: Numbers only)*

**3. State Unit Price (per cubic yard) for Granular Fill.**

Refer to Section 01 22 00, 1.07, C.

\$

*(Required: Numbers only)*

**4. State Unit Price (per cubic yard) for Inert (select) Fill.**

Refer to Section 01 22 00, 1.07, D.

\$

*(Required: Numbers only)*

**5. State Unit Price (per cubic yard) for Non-Inert Fill.**

Refer to Section 01 22 00, 1.07, E.

\$

*(Required: Numbers only)*

**6. State Unit Price (per cubic yard) for Topsoil.**

Refer to Section 01 22 00, 1.07, F.

\$

*(Required: Numbers only)*

**7. State Unit Price (lump sum) for Roof Warranty, 30 Year.**

Refer to Section 01 22 00, 1.07, G.

\$

*(Required: Numbers only)*

4

**Bid Alternate Two (2): Provide and install all Surveillance System Equipment listed and described on Sheet LV2 of the Drawings.**

*(Response required)*

Quantity:   1   UOM:   lump sum   Price: \$  Total: \$

Item Notes: Refer to Section 01 23 00-1, 3.01, B. and Sheet LV2 Revised

Supplier Notes: \_\_\_\_\_

No bid  
 Alternate specification  
*(Attach separate sheet)*  
 Additional notes  
*(Attach separate sheet)*

**Supplier Information**

Company Name: \_\_\_\_\_  
Contact Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
Email: \_\_\_\_\_

**Supplier Notes**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

The undersigned hereby certifies the foregoing bid submitted by the company listed below hereinafter called "bidder" is the duly authorized agent of said company and the person signing said bid has been duly authorized to execute same. Bidder affirms that they are duly authorized to execute this contract; this company; corporation, firm, partnership or individual has not prepared this bid in collusion with any other bidder or other person or persons engaged in the same line of business; and that the contents of this bid as to prices, terms and conditions of said bid have not been communicated by the undersigned nor by any employee or agent to any other person engaged in this type of business prior to the official opening of this bid.

\_\_\_\_\_  
*Print Name*

\_\_\_\_\_  
*Signature*