

Project Number:

Sheet O

County: TARRANT

Control: 0902-90-119
0902-90-192

Highway: McCART AVENUE AT ALTAMESA BOULEVARD

In accordance with Article 4.2.2 of 2014 Specifications this schedule will aid in the issue resolution process.

LEVEL	RESOLUTION TIME	TXDOT REPRESENTATIVE
Informal Level A	1 Hour Maximum	State Contractor Inspector (may vary by work order location)
Informal Level B	1 Day Maximum	Signal Shop Supervisor (817) 370-6505
Informal Level C	4 Days Maximum	Assistant Director of Transportation Operations (817) 370-6788
Formal Level 1	5 Days Maximum	Director of Transportation Operations (817) 370-6788
Formal Level 2	10 Days Maximum	Director of Maintenance (817) 370-6521

Guidelines:

1. Resolve all issues at the lowest level possible.
2. Escalate unresolved issues as quickly as possible.
3. Escalate issues up the ladder when:
 - a. The partners cannot agree on a decision;
 - b. The partners do not have the authority to make a decision;
 - c. An issue is threatening to delay the project;
 - d. An issue is threatening to damage the partnering relationship;
4. Escalate issues evenly up both sides of the ladder, and let go of the issue when it goes to the next level.
5. Present all the facts to the decision makers, not just the facts that support your side of the issue.
6. Agree to disagree, and disagree without being disagreeable.
7. Do not skip levels or "leap-frog" up the ladder. Upper level partners should insist that the ladder be used.
8. Keep partners at lower levels informed of progress in the resolution process as it develops.

General Notes

Sheet O

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9. Return the agreed upon decision to field personnel as quickly as possible, once the issue is resolved.
10. When an issue is resolved at a higher level, all parties must accept the decision and work together to resolve the issue.

General Notes

Sheet P

CITY OF FORT WORTH
STANDARD CONSTRUCTION GENERAL NOTES
Version Release December 18, 2017

Division 01 General Requirements

General:

1.The Contractor shall be responsible for locating all utilities, whether public or private, prior to excavation. The information and data shown with respect to existing underground facilities at or contiguous to the site is approximate and based on information furnished by the owners of such underground facilities or on physical appurtenances observed in the field. The City and Engineer shall not be responsible for the accuracy or completeness of any such information or data. The Contractor shall have full responsibility for reviewing and checking all such information or data, for locating all underground facilities, for coordination of the work with the owners of such underground facilities during construction and for the safety and protection thereof and repairing any damage thereto resulting from the Work. This Work shall be considered as a subsidiary item of Work, the cost of which shall be included in the price bid in the Proposal for various bid items. The Contractor shall notify any affected owners (utility companies) or agencies in writing at least 48 hours prior to construction.

a.Notify TEXAS 811 (1-800-DIG-TESS or www.texas811.org) to locate existing utilities prior to construction.

b.Caution! Buried electric lines may exist along this project. Contact electrical providers 48 hours prior to excavation :

ONCOR 817-215-5214

c.Caution! Buried gas lines may exist along this project. Contact (gas company) 48 hours prior to excavation, and within two (2) hours of encountering a gas line

ATMOS 800-545-6005

COWTOWN 817-665-8620

ENERVEST 713-659-3500

d.Caution! Buried communication cables may exist along this project. Contact communication companies 48 hours prior to excavation:

AT&T 800-395-0440

VERIZON 1-800-344-8377

ONE-SOURCE 817-745-3000

e.Caution! When doing work within 200 feet of any signalized intersection, the Contractor shall notify Traffic Management Division of City of Fort Worth T/PW, 72 hours prior to excavation 817-392-7738. The Contractor shall protect existing signal hardware, ground boxes, detection loops, and underground conduit at signalized intersections. Any damages at signalized intersections shall be replaced at the expense of the Contractor. The Contractor shall contact the City at 817-392-8100 to perform conduit line locates at signalized intersections 72 hours prior to commencing work at the intersection.

f.The Contractor shall notify the City of Fort Worth Project Manager 48 hours prior to the start of any excavation (MARY HANNA: 817-392-5565)

2.Contractors personnel shall have identifying clothing, hats or badges at all times which identify the Contractor, s name, logo or company.

3.Protect concrete curb and gutter, driveways, and sidewalks that are not designated for removal. Removal and replacement of these items shall be as designated in the drawings.

Division 32 Exterior Improvements

General:

1.At locations where the curb and gutter are to be replaced, the Contractor shall assume all responsibility for the re-establishment of existing street and gutter grades. Establishment of grades shall be considered as a subsidiary item of Work, the cost of which shall be included in the price bid in the Proposal for various bid items.

2.All driveways, which are open cut, shall have at least a temporary driving surface at the end of each day. The temporary surface shall be considered as a subsidiary item of Work. The cost of which shall be included in the price bid in the Proposal for various bid items.

Sidewalks and Curb Ramps:

1.The curb ramp standard details are intended to show typical layouts for the construction of the curb ramps. The information shown on the standard details meet the requirements shown in the 2012 Texas Accessibility Standards, (TAS) and the 2010 ADA Standards for Accessible Design, by the Department of Justice.

2.City of Fort Worth Standard Details are only intended to indicate pay limits for each type of ramp, the Engineer is responsible for the development and design of the sidewalk and curb ramp layout, including actual dimensions and slope percentages.

3.The Contractor may not make changes to the sidewalk and curb ramp layout without approval of the City. The Contractor may propose changes to the sidewalk and curb ramp layout due to field conditions, but any proposed changes must be approved by the City.

4.Curb ramp running slopes shall not be steeper than 8.3% (12:1) . Adjust curb ramp length or grade of approach sidewalks as directed by the City.

5.Curb ramp flare slopes shall not be steeper than 10% (10:1) as measured along back of curb.

6.Maximum allowable cross slope on sidewalk and curb ramp surfaces is 2%.

7.The minimum width of sidewalks and curb ramps shall be 4 feet.

8.Landings shall be provided at the top of curb ramps. The landing clear length shall be 5 feet minimum from the end of ramp. The landing clear width shall be at least as wide as the curb ramp, excluding flares. The landing shall have a maximum slope of 2% in any direction.

9.In alterations where there is no landing at the top of the curb ramp, curb ramp flares shall be provided and shall not be steeper than 8.3% (12:1) .

10.Where turning is required, maneuvering space at the top and bottom of curb ramps shall be 5 feet by 5 feet minimum. The space at the bottom shall be wholly contained within the crosswalk markings and shall not project into vehicular traffic lanes.

11.Curb ramps with returned curbs may be used only where pedestrians would normally walk across the ramp, either because the adjacent surface is planting or other non-walking surface or because the side approach is substantially obstructed.

12.Where curb ramps are provided, crosswalk markings shall be required and ramps shall be aligned with the crosswalk.

13.Counter slopes of adjoining gutters and road surfaces immediately adjacent to the curb ramp shall not be steeper than 5% (20:1) in any direction.

Division 33 - Utilities

General:

1.For utility work within utility easements, once pipe or appurtenances have been installed or rehabilitated, immediately commence temporary surface restoration. Complete surface restoration to the owners satisfaction within seven (7) days of work finishing on-site. Failure to maintain surface restoration, as noted above, may result in suspension of work until restoration is complete.

2.Existing vertical deflections and pipe slopes shown on the drawings are approximate and have not been field verified, unless otherwise noted. Rim elevations, flow lines, and horizontal locations of existing manholes were determined from field survey. If field conditions vary from those shown on drawings Contractor shall notify City.

3.Maintain all existing water and sewer connections to customers in working order at all times, except for brief interruptions in service for water and sewer services to be reinstated. In no case shall services be allowed to remain out of service overnight.

4.Establish and maintain a trench safety system in accordance with the excavation safety plan and Federal, State or local safety requirements.

5.Provide and follow approved Confined Space Entry Program in accordance with OSHA requirements. Confined Spaces shall include manholes and all other confined spaces in accordance with OSHA s Permit required for Confined Spaces.

6.Only City prequalified Contractors, by appropriate Water Department work category, shall be allowed to adjust valve boxes, manholes, ring & covers, etc.

Water:

1.Provide thrust restraint by means of restraining joints at fittings and concrete blocking. When specifically indicated on the Drawings, provide thrust restraint at designated joints beyond the fittings. Each method shall be capable of thrust restraint independent of the other system. The Contractor shall refer to City Standard Details for area required to install concrete blocking.

2.All ductile iron mechanical joint fittings shall be restrained to pipe using retainer glands.

3.Proposed water mains shall have a minimum cover of 48-inches cover above the top of pipe, unless shown otherwise on the drawings or details.

4.All water services shall be installed above storm sewers, except where shown otherwise in the drawings.

5.Elevation adjustment at connections may be made with bends, offsets, or joint deflections. Joint deflections shall not exceed fifty percent (50%) of manufacturer, s recommendations.

6.Temporary pressure plugs required for sequencing of construction and testing of proposed water lines shall be considered subsidiary to the work and shall be included in the price bid in the Proposal for various bid items.

Sanitary Sewer:

1.Verify that all connections to the sanitary sewer system are for sanitary sewer only. Notify City of any discovered illicit connections.

2.The Contractor shall be liable for all damages to properties, homes, and basements from backup, which may result during the installation of new pipe and/or abandonment of existing pipe. The Contractor will be allowed to open clean outs where available. The Contractor will be responsible for all clean up associated with opening clean outs.

3.For all sanitary sewer service connections at manholes, provide a hydraulic slide in accordance with the details.

Storm Drain:

1.Maintain the existing storm drainage system until the proposed system is in service. In no case should the Contractor leave the existing storm drain out of service whereby runoff would cause damage to adjacent property.

2.Construct all drainage improvements from the downstream end to the upstream end to allow continued storm drain service. If the Contractor proposes to construct the system otherwise, the Contractor shall submit a sequencing plan to the City for approval.

3.Take appropriate measures to preserve wildlife in accordance with applicable federal, state and local guidelines.

Division 34 - Transportation

General:

1.Prior to activating traffic signals with new or revised signal timing, the contractor should e-mail Aziz Rahman, Sr. Professional Engineer, at Aziz.Rahman@fortworthtexas.gov (and copy Kassem Elkhaili, Professional Engineer, at Kassem.Elkhaili@fortworthtexas.gov) at least three (3) weeks in advance to schedule that.

2.If new cabinets and controllers are being installed and the controllers need to be programmed and tested by City Forces; the contractor should deliver them to the City of Fort Worth, Signal Shop at 5001 James Ave., at least three (3) weeks in advance to schedule that.

3.Unless there is a compelling reason, a new traffic signal will be put on flash on Thursdays and working colors the following Tuesday.

4.Switching from old traffic signal to a new one, this should be done on Tuesdays only.

5.Notify Traffic Management Division (817-392-7738) Project Representative at least 24-hours in advance of all concrete pours. Inspector must be present when concrete is placed on the project site.

6.If applicable, equipment supplied by the City will be available for pick up from the Transportation/Public Works (T/PW) Warehouse at 5001 James Avenue and/or the Village Creek Pole Yard (5000 MLK Freeway) . The Project Representative must authorize all equipment pickups.

7.Design consultant shall submit electronic file in CAD format as well as PDF (11" X 17") of final signed and sealed plans to the City.

8.Contractors shall provide a 5-year manufacturer warranty on APS systems. The warranty documentation shall include the start date (when material is delivered to job site) and the end date of the warranty and the serial number of the equipment.

Traffic Signals:

1.The City will not provide traffic signal cabinet or traffic signal controller to the Contractor. The cost for these items must be included in the City project budget, or for all privately funded projects, the cost must be included in the bid package for purchase from the vendor.

2.The Contractor shall provide all materials needed to construct a fully operational traffic signal as called out for in the plans and specifications.

3.All existing signal equipment shall remain in place and operating until new equipment is in place and ready to operate.

4.The Contractor is responsible for hauling and properly disposing of salvaged material from the job site to a disposal site of their choosing. The Contractor will not be allowed to drop off salvaged materials at the City yards.

Traffic Signs and Pavement Markings:

1.All traffic signs and mounting hardware shown on the plans will be furnished and installed by the contractor including the metro street name signs. The contractor shall provide a detail sheet for the metro street name signs with block numbers to the City for approval prior to fabrication and installation.

2.Existing stop signs and posts will be removed by the contractor upon, or before, the signal turn-on.

Traffic Control:

1.The Contractor shall submit a Work Schedule, Traffic Control Plan, and acquire a Development Permit from Development Department, at 200 Texas Street. Contact Chuck McLure (817-392-7219) .

2.The Contractor shall be responsible for the safety of pedestrians and motorists in the area of the traffic signal construction site.

3.Roads and streets shall be kept open to traffic at all times. Contractor shall arrange construction so as to close only one lane of a roadway at a time.

4.All construction operations shall be conducted to provide minimal interference to traffic. All traffic signal equipment installations shall be arranged so as to permit continuous movement of traffic in all directions at all times.

5.Contractors shall be responsible for any signage necessary during construction.

6.Unless otherwise noted, it is the contractor, s responsibility to ensure that signal indications and timing are adjusted and maintained to ensure safety in work zone at all times.

7.Any traffic signal modifications during construction are subsidiary to traffic control plan (TCP) pay item.

8.Any traffic signal modifications should be in compliance with the latest version of the Texas Manual on Uniform Traffic Control Devices (TMUTCD) and the City of Fort Worth Standards.

9.The contractor shall submit any proposed traffic signal modifications to the Traffic Signal Section for their approval ten (10) days prior to any changes.

---NOT FOR CONSTRUCTION---

THIS DOCUMENT HAS BEEN
RELEASED FOR THE PURPOSE
OF INTERIM REVIEW UNDER
THE AUTHORITY OF
ERIC A. CANALES P.E. 90103
IT IS NOT TO BE USED FOR
CONSTRUCTION PURPOSES.

---NOT FOR CONSTRUCTION---



2821 WEST 7TH ST
SUITE 400
FORT WORTH, TEXAS 76107
(817) 877-5571
TBPE Reg #F351



CITY OF FORT WORTH
GENERAL NOTES

REVISIONS	FED.RD. DIV.NO.	STATE AID PROJECT NO.		SHEET NO.
		6	SEE TITLE SHEET	
	STATE	DISTRICT	COUNTY	
	TEXAS	FTW	TARRANT	
	CONTROL	SECTION	JOB	HIGHWAY NO.
	0902 0902	90 90	119 192	McCART

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WATER GENERAL NOTES (07-12-2010)

1. Water Systems have been designed in accordance with the "Policy and Procedure for Processing Water and Sewer design" dated April 1999, with the latest revisions, as established by the City of Fort Worth Water Department for water and sewer projects.
2. Applicable design and details shall conform to Part E of the General Contract documents and specifications for Water Department projects and/or any current updates of these.
3. Existing utility data is provided for information only. Although this data is shown as accurately as possible, the contractor is cautioned that the City and the Engineer neither assumes nor implies any responsibility for the accuracy of this data.
4. The contractor is to verify location and elevation of existing utilities prior to construction.
5. The contractor shall keep at least one lane of traffic open at all times during construction.
6. Horizontal blocking for water lines has been omitted for clarity, however blocking shall be constructed in accordance with WTR-008, Section E1-20 and E2-20 of the "General Contract Documents and Specification for Water Department Projects."
7. Trenches which lie outside existing pavements shall be backfilled above the top of the embedment with Type "C" backfill material when Type "C" backfill material is not suitable and at the direction of the Engineer, Type "B" material shall be used. All backfill material shall be compacted to a minimum of 95% proctor density by means of tamping only. Trenches, which cross under existing pavement, shall be backfilled per WTR-029 and compacted to 95% of standard proctor density at a moisture content of -2% to +4% of optimum moisture content.
8. Top of water lines shall be a minimum of 3'-6" below top of curb except where shown otherwise in these plans.
9. Valves shall be installed where designated on these plans.
10. Fire hydrants shall be a minimum of 3'-0" behind the face of curb and in line with property/lot lines except where shown otherwise in these plans.
11. Insert cleaning PIG in water main where directed. "Cleaning PIG" shall be provided by Contractor.
12. Install chlorination and sampling points at designated locations per WTR-21 of the "General Contract Documents and specifications for Water Department Projects."
13. Corporation stops shall be tested for full flow when the system is pressure tested.
14. Contractor is responsible for all trench safety. The contractor shall construct the proposed work utilizing a trench safety plan prepared by a professional engineer for this project. A trench safety plan shall be submitted at the pre-construction meeting.
15. All water lines crossing below storm sewer lines shall be ductile iron pipe unless noted otherwise.
16. All water services shall be installed over storm sewers, except where shown otherwise.
17. Elevation adjustment at connections may be made with bends, offsets, or joint deflections (Joint deflections not to exceed manufacture's recommendations or as deemed appropriate by the engineer).
18. All non-standard bends shall be made by using the closest standard MJ fittings or fittings with the required joint deflections (deflection not to exceed the manufacturer's recommended deflection per joint).
19. All existing 3/4-inch water service lines shall be replaced with 1-inch Type K Copper service lines, with 1-inch corporation stops and if required 1-inch tapping saddle and 1-inch x 3/4-inch reducer at the 3/4-inch curb stop as directed by the Engineer.
20. All existing water meters shall be relocated 3' behind curb or as directed by the Engineer.
21. Existing utility crossing shown on profile are from reference plans, and from information obtained from the utility companies. It shall be the contractor's responsibility to field-verify the horizontal and vertical locations of the existing utilities.
22. The contractor shall install a 2" temporary water service main.
23. The contractor personnel shall wear identifying clothing or hats at all times. The contractor shall also have identification on all vehicles.
24. Construction activities shall be limited to the hours of 7:00 AM to 6:00 PM unless otherwise approved or directed by the engineer. In the case of arterial streets, 9:00 AM and 4:00 PM only.
25. Contractor is responsible for maintaining water connections to all homes and businesses in working order at all times, except for brief pre-notified interruptions in water services. In no case shall services be allowed to remain un-reinstated overnight.
26. The contractor shall saw cut existing curb and gutter pavement, driveways and sidewalks in areas where pavement or concrete is to be removed. Saw cutting will be considered subsidiary to the price per linear foot of pipe. Contractor shall provide compacted select material as needed to repair damaged drives, streets, walks and patios.
27. The contractor shall remove all fences, located within easements and parkway, interfering with construction operations and provide temporary fencing during construction. Removed fences, wooden or chain link, shall be replaced with a new fence or undamaged original fencing. All affected property owners shall be notified prior to construction. Removal and replacement of existing and temporary fences shall be considered subsidiary to the project cost and must be reflected in the unit bid prices for various items listed in the proposal.

28. The contractor is responsible for keeping streets and sidewalks adjacent to the project free of mud and debris arising from the construction activity.
29. All barricades, warning signs, light devices, etc. for the guidance and protection of traffic and pedestrians must conform to the installation shown in the 1980 Texas Manual of Uniform Traffic Control Devices as currently amended, Texas State Department of Highways and Public Transportation.

SANITARY SEWER GENERAL NOTES (05-20-2010)

1. The contractor shall furnish a traffic control plan, for all working areas, to the City Traffic Engineer for approval prior to the pre-construction meeting. Two-way traffic must be maintained at all times. One lane of travel around construction operations in progress with adequate safeguards will be acceptable on minor streets only. All barricades, warning signs, light devices, and etc., for the guidance and protection of traffic and pedestrians, must conform to the installation shown in the 1980 Texas Manual on Uniform Traffic Control Devices, as currently amended, Texas Department of Transportation. The cost for traffic control shall be subsidiary to the unit prices for this project.
2. Contractor is responsible for all trench safety. The contractor shall construct the proposed work utilizing a trench safety plan, prepared by a professional engineer for this project. A trench safety plan shall be submitted at the pre-construction meeting.
3. All work shall be performed in accordance with City of Fort Worth Water Department standard specifications and details, except where modified in these plans or in the special conditions of the contract documents.
4. The contractor shall distribute letters to all affected property owners prior to beginning work on each property. The letter shall include names and telephone numbers of contractor contacts, a description of the work to be done, and the time frame for doing the work. Copies of the letter shall be forwarded to the city inspector. The contractor shall notify residents 48 hours in advance of performing any work on private property. Distribution of letters shall be considered as subsidiary to the cost of project and no additional compensation will be allowed.
5. Contractor shall be responsible for maintaining general safety at and adjacent to the project area, including the personal safety of the construction crew and general public and the safety of public and private property. Contractor shall provide temporary sanitary sewer facilities to affected property owners, if necessary. Not a separate pay item.
6. When it is required that a Contractor work in private property, the Contractor shall contact the property owner 48 hours prior to construction. Once the pipe has been installed or rehabilitated, the Contractor shall immediately commence surface restoration. Surface restoration must be completed to the owner's satisfaction within ten (10) working days. Failure to maintain site restoration, as noted above, may result in deferment of further pipe installation activities.
7. The contractor may elect to video all potentially impacted private property areas prior to work. Videos shall include date notation and audio identification of property address and main/lateral name. This pre-construction video taping of impacted properties shall be considered subsidiary work.
8. Contractor's personnel shall have identifying clothing or hats at all times. The contractor shall also have identification on all vehicles.
9. Construction activities shall be limited to the hours of 7:00 am to 6:00 p.m. unless approved or directed by the engineer.
10. The location of all sanitary sewer, water, storm sewer, telephone, gas, electric, cable television utilities, driveways, retaining walls, structures, etc., which may be shown on these plans are approximate. The contractor shall verify the exact size, location, elevation, and configuration of all utilities and structures prior to construction. Contractor shall coordinate with appropriate utility companies and property owners to mark and locate all underground facilities prior to construction. Such verification shall be considered as subsidiary to the cost of project and no additional compensation will be allowed.
11. Existing vertical deflections and pipe slopes shown on the plans were obtained from record drawings and have not been field verified. Some pipe slopes were adjusted to match surveyed manhole flow lines. Rim elevations, flow lines and horizontal locations of existing manholes were determined from field survey.
12. The proposed sanitary sewer lines at times will be laid close to other existing utilities and structures both above and below ground. The contractor shall make necessary provisions for the support and protection of all utility poles, gas mains, telephone cables, sanitary sewer lines, water lines, ONCOR cables, drainage pipes, utility services, and all other utilities and structures both above and below ground during construction. The contractor is liable for all damages done to such existing facilities as a result of the contractor's operations.
13. Contractor shall conduct a Pre-Construction Television Inspection of all existing sanitary sewer lines, which are to be abandoned or rehabilitated via trenchless methods, to verify locations of all sewer service connections prior to construction of entire project.
14. Contractor shall ensure that all active services can be reconnected and/or rerouted to new sewer main/lateral. Contractor shall notify the City of any potential conflicts prior to construction so modifications to the plans can be made if necessary. Not a separate pay item, this work shall be subsidiary to Pre-Construction Television Inspection of Sanitary Sewer Lines.
15. Contractor shall verify that all connections to the sanitary sewer system are for sanitary sewer only. Contractor shall notify City of all known illicit connections.

16. Contractor is responsible for maintaining water and sewer connections to all homes and businesses in working order at all times, except for brief interruptions in service for sewer services to be reinstalled. In no case shall services be allowed to remain out of service overnight.
17. The contractor shall be liable for all damages to properties, homes, and basements from backup, which may result during the installation of the new pipe and/or abandonment of existing pipe. The contractor will be allowed to open clean outs where available. The contractor will be responsible for all clean up associated with opening clean outs.
18. The contractor shall preserve and protect or remove and replace (with prior approval of the City of Fort Worth Parks and Community Services and/or affected property owners) all trees, shrubs, hedges, retaining walls, landscaping, buildings, walks, etc., in or near proposed construction area. This work shall be considered incidental and not a separate pay item.
19. The contractor shall remove all fences, located within easements, interfering with construction operation and provide temporary fencing during construction. Removed fences, wooden or chain link, shall be replaced with a new fence or undamaged original fencing. All affected property owners shall be notified prior to construction. Removal and replacement of existing and temporary fences shall be considered subsidiary to the project cost and reflected in the unit bid prices for various items listed in the proposal.
20. Contractor shall sawcut existing curb and gutter, pavement, driveways, and sidewalks at areas where pavement or concrete is to be removed. Sawcuts will be considered subsidiary to the price bid for linear feet of sanitary sewer.
21. Contractor shall protect concrete curb and gutter, driveways, and sidewalks that are not designated for removal. Removal and replacement of these items shall be as designated. At locations where the curb and gutter are to be replaced, the contractor shall assume all responsibility for the re-establishment of existing street and gutter grades. Establishment of grades shall be performed prior to construction and is not a separate pay item, but shall be considered incidental to the project price.
22. All embedment shall be in accordance with City of Fort Worth Water Department Specification E2-2, and E2-3. All pavement repair shall be per City of Fort Worth Transportation and Public Works Pavement Repair Figures STR-028 and STR-031. Pavement areas shall receive backfill per WTR-029. Non paved areas shall receive type "B" or "C" backfill per City of Fort Worth Water Department Specifications E1-2 and E2-2.
23. All driveways, which are open cut, shall have at least a temporary riding surface at the end of each day. The temporary surface will be considered a non-pay item.
24. Contractor shall bypass pump sewage around sections of pipe prior to being replaced or rehabilitated. Not a separate pay item. Payment shall be incidental to replacement of sewer.
25. New manholes shall be constructed such that the manhole cover is at finished surface grade, or as noted on the plans. Concrete collars and watertight manhole inserts shall be provided with all new manholes, as required for this project.
26. The contractor is responsible for keeping streets and sidewalks adjacent to project free of mud and debris from the construction.
27. The contractor shall cleanup and restore the area of operations to a condition as good as or better than that which existed prior to replacement or rehabilitation of the pipe.
28. The contractor shall remove from the project area all surplus material. This shall be incidental and not a separate pay item. Surplus materials from excavation including dirt, trash, etc. shall be properly disposed of at a site acceptable to the City's Flood Plain Administrator if within the City limits. If the location is not within the City limits, the Contractor shall provide a letter stating so. No excess excavated material shall be deposited in low areas or along natural drainage way without written permission from the affected property owner and the City's Flood Plain Administrator. If the contractor places excess material in the areas without written permission, he will be responsible for all damage resulting from such fill and he shall remove the material at his own cost.



EROSION CONTROL GENERAL NOTES (09-24-2004)

Erosion control measures may only be placed in front of inlets, or in channels, drainageways or borrow ditches at risk of contractor. Contractor shall remain liable for any damage caused by the measures, including flooding damage, which may occur due to blocked drainage. At the conclusion of any project, all channels, drainageways and borrow ditches in the work zone shall be dredged of any sediment generated by the project or deposited as a result of as a result of erosion control measures.

---NOT FOR CONSTRUCTION---

THIS DOCUMENT HAS BEEN RELEASED FOR THE PURPOSE OF INTERIM REVIEW UNDER THE AUTHORITY OF ERIC A. CANALES P.E. 90103 IT IS NOT TO BE USED FOR CONSTRUCTION PURPOSES.

---NOT FOR CONSTRUCTION---

		2821 WEST 7TH ST SUITE 400 FORT WORTH, TEXAS 76107 (817) 877-5571 TBPE Reg #F351		
				
<h2 style="margin: 0;">CITY OF FORT WORTH GENERAL NOTES</h2>				
REVISIONS	FED. RD. DIV. NO.	STATE AID PROJECT NO.		SHEET NO.
	6	SEE TITLE SHEET		18
	STATE	DISTRICT	COUNTY	
	TEXAS	FTW	TARRANT	
	CONTROL	SECTION	JOB	HIGHWAY NO.
0902 0902	90 90	119 192	McCART	

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SUMMARY OF ROADWAY ITEMS																		
LOCATION	160	162	247	260	260	340	340	360	465	479	529	529	531	531	531	531	531	
	6003	6002	6254	6002	6027	6138	6234	6019	6406	6005	6005	6008	6001	6004	6005	6010	6031	
	FURNISHING AND PLACING TOPSOIL (4")	BLOCK SODDING	FL BS (CMP IN PLC)(TY D GR-1-2)(14")	LIME (HYDRATED LIME (SLURRY))	LIME TRT (EXST MATL)(8")	D-GR HMA(SQ) TY D PG76-22	D-GR HMA(SQ) TY B PG76-22	CONC PVMT (JOINTED-CPCD)(9")	CL C CONC (INLET) (TOP)	ADJUSTING MANHOLES (WATER VALVE BOX)	CONC CURB (MONO)(TY II)(6")	CONC CURB & GUTTER (TY II)(6")	CONC SIDEWALKS (4")	CURB RAMPS (TY 1)	CURB RAMPS (TY 2)	CURB RAMPS (TY 7)	CURB RAMPS (TY 22)	
	SY	SY	SY	TON	SY	TON	TON	SY	SY	EA	LF	LF	SY	EA	EA	EA	EA	
PAVING 1 OF 4	182.5	182.5	0	8.1	424.4	0	0	424.4	0	0	243.7	0	0	0	0	0	0	
PAVING 2 OF 4	700.4	700.4	0	14.8	788.4	0.0	0.0	788.4	0.0	0	1109.1	0.0	69.7	3	1	0	0	
PAVING 3 OF 4	267	267	0	8.7	456.7	0.0	0.0	456.7	0.0	2	524.7	0.0	0	0	0	0	0	
PAVING 4 OF 4	102.8	102.8	310.7	0	0.0	26.8	107.2	0.0	0.0	0	0.0	379.0	0	0	0	0	0	
NORTHWEST CORNER	15	15	0	0.26	13.5	0.0	0.0	13.5	0.0	2	34	0	8.3	1	0	1	0	
NORTHEAST CORNER	53	53	0	0.44	23.0	0.0	0.0	23.0	0.0	1	56.9	0	37.1	0	0	2	0	
SOUTHEAST CORNER	105.1	105.1	0	1	52.4	0.0	0.0	52.4	4.2	0	75.2	0	76	0	0	2	0	
SOUTHWEST CORNER	33.8	33.8	0	0.54	28.3	0.0	0.0	28.30	0.0	0	73	0	0	1	0	0	1	
PROJECT TOTALS	1459.6	1459.6	310.7	33.8	1786.7	26.8	107.2	1786.7	4.2	5.0	2116.6	379.0	191.1	5.0	1.0	5.0	1.0	


SUMMARY OF REMOVAL ITEMS														
LOCATION	100	100	104	104	104	104	105	110	644	644	677	677	677	
	6002	6004	6001	6022	6028	6036	6070	6001	6068	6076	6001	6003	6007	
	PREPARING ROW	PREPARING ROW(TREE)(1 2" TO 24" DIA)	REMOVING CONC (PAV)	REMOVING CONC (CURB AND GUTTER)	REMOVING CONC (MISC)	REMOVING CONC (SIDEWALK OR RAMP)	REMOVING STAB BASE & ASPH PAV (6" 8")	EXCAVATION (ROADWAY)	RELOCATE SM RD SN SUP&AM TY 10BWG	REMOVE SM RD SN SUP&AM	ELIM EXT PAV MRK & MRKS (4")	ELIM EXT PAV MRK & MRKS (8")	ELIM EXT PAV MRK & MRKS (24")	
	STA	EA	SY	LF	SY	SY	SY	CY	EA	EA	LF	LF	LF	
PAVEMENT 1 OF 4	2	0	321	0	0	0	0	85.5						
PAVEMENT 2 OF 4	4.5	1	1423.5	0	3.1	193	0	296.3						
PAVEMENT 3 OF 4	2.5	0	308.2	0	0	0	0	216						
PAVEMENT 4 OF 4	1	0	0	873	0	90	49	143						
MARKINGS 1 OF 5									1	0	232.5	0	0	
MARKINGS 2 OF 5									0	0	414.5	0	98	
MARKINGS 3 OF 5									0	0	0	0	0	
MARKINGS 4 OF 5									0	2	792	205	275	
MARKINGS 5 OF 5									0	0	0	0	280	
PROJECT TOTALS	10	1	2052.7	873	3.1	283	49	740.8	1	2	1439	205	653	

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SUMMARY OF WORKZONE TRAFFIC CONTROL ITEMS					
LOCATION	502	512	512	512	512
	6001	6009	6010	6057	6058
	TEMPORARY SPL SHORING	PORT CTB (FUR & INST)(LOW PROF)(TY 1)	PORT CTB (FUR & INST)(LOW PROF)(TY 21)	PORT CTB (REMOVE)(LOW PROF)(TY 1)	PORT CTB (REMOVE)(LOW PROF)(TY 2)
	SF	LF	STA	LF	LF
PHASE 1	1	680	40	680	40
PHASE 2	0.5	0	0	0	0
PHASE 3	1.0	0	0	0	0
PHASE 4	0.5	120	40	120	40
PHASE 5	1	0	0	0	0
PROJECT TOTALS	4.0	800.0	80	800	80



2821 WEST 7TH ST
 SUITE 400
 FORT WORTH, TEXAS 76107
 (817) 877-5571
 TBPE Reg #F351



QUANTITIES

REVISIONS	FED.RD. DIV.NO.	STATE AID PROJECT NO.		SHEET NO.
	6	SEE TITLE SHEET		19
	STATE	DISTRICT	COUNTY	
	TEXAS	FTW	TARRANT	
	CONTROL	SECTION	JOB	HIGHWAY NO.
0902 0902	90 90	119 192	McCART	

SUMMARY OF PAVEMENT MARKING ITEMS																
LOCATION	666 6003	666 6030	666 6036	666 6041	666 6047	666 6054	666 6078	666 6099	666 6123	666 6126	666 6224	666 6226	666 6228	666 6230	666 6231	666 6232
	REFL PAV MRK TY I (W)4"(BRK)(100MIL)	REFL PAV MRK TY I (W)8"(DOT)(100MIL)	REFL PAV MRK TY I (W)8"(SLD)(100MIL)	REFL PAV MRK TY I (W)12"(SLD) (090MIL)	REFL PAV MRK TY I (W)24"(SLD) (090MIL)	REFL PAV MRK TY I (W)(ARROW)(100MIL)	REFL PAV MRK TY I (W)(WORD)(1 00MIL)	REF PAV MRK TY I(W)18"(VLD TRI)(100MIL)	REFL PAV MRK TY I (V)4"(DOT)(100MIL)	REFL PAV MRK TY I (V)4"(SLD)(100MIL)	PAVEMENT SEALER 4"	PAVEMENT SEALER 8"	PAVEMENT SEALER 12"	PAVEMENT SEALER 24"	PAVEMENT SEALER (ARROW)	PAVEMENT SEALER (WORD)
	LF	LF	LF	LF	LF	EA	EA	EA	LF	LF	LF	LF	LF	LF	EA	EA
1 OF 4	406	0	130	0	0	1	1	0	0	0	406	130	0	0	1	1
2 OF 4	450	230	200	0	785	3	3	8	150	0	600	430	0	785	3	3
3 OF 4	0	0	220	0	0	1	1	26	0	110	110	220	0	0	1	1
4 OF 4	535	0	420	0	59	4	4	0	0	0	535	420	0	59	4	4
PROJECT TOTALS	1391	230	970		844	9	9	34	150	110	1651	1200		844	9	9

SUMMARY OF PAVEMENT MARKING ITEMS														
LOCATION	666 6243	672 6007	672 6010	677 6001	677 6005	677 6007	678 6001	678 6004	678 6006	678 6008	678 6009	678 6016	678 6022	
	PAVEMENT SEALER (VLD TRI)	REFL PAV MRKR TY I-C	REFL PAV MRKR TY II- C-R	ELIM EXT PAV MRK & MRKS (4")	ELIM EXT PAV MRK & MRKS (12")	ELIM EXT PAV MRK & MRKS (24")	PAV SURF PREP FOR MRK (4")	PAV SURF PREP FOR MRK (8")	PAV SURF PREP FOR MRK (12")	PAV SURF PREP FOR MRK (24")	PAV SURF PREP FOR MRK (ARROW)	PAV SURF PREP FOR MRK (WORD)	PAV SURF PREP FOR MRK (18")(VLD TRI)	
	EA	EA	EA	LF	LF	LF	LF	LF	LF	LF	EA	EA	EA	
1 OF 4	0	0	10	170	0	0	406	130	0	0	1	1	0	
2 OF 4	8	6	12	784	1880	196	600	430	0	785	3	3	8	
3 OF 4	26	0	4	106	0	0	110	220	0	0	1	1	26	
4 OF 4	0	20	14	440	430	0	535	420	0	59	4	4	0	
PROJECT TOTALS	34	26	40	1500	2310	196	1651	1200		844	9	9	34	


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SUMMARY OF SIGNING ITEMS		
LOCATION	644 6001	644 6076
	IN SM RD SN SUP&AM TVS80(1)SA(P-BM)	RELOCATE SM RD SN SUP & AM TY 10BWG
	EA	EA
1 OF 4	3	1
2 OF 4	14	0
3 OF 4	3	0
4 OF 4	2	2
PROJECT TOTALS	22	3

SUMMARY OF EROSION CONTROL ITEMS							
LOCATION	506 6020	506 6024	506 6035	506 6038	506 6039	506 6040	506 6043
	CONSTRUCTION EXITS (INSTALL) (TY 1)	CONSTRUCTION EXITS (REMOVE)	SANDBAGS FOR EROSION CONTROL	TEMPORARY SEDIMENT CONTROL FENCE INSTLL	TEMPORARY SEDIMENT CONTROL FENCE REMOVE	BIOGRD EROSN CONT LOGS (8" DIA) INSTALL	BIODEGRADBLE EROSION CONTROL LOGS REMOV
	SY	SY	EA	LF	LF	LF	LF
SWPPP	225	225	10	325	325	75	75
PROJECT TOTALS	225	225	10	325	325	75	75



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	6	SEE TITLE SHEET		20
	STATE	DISTRICT	COUNTY	
	TEXAS	FTW	TARRANT	
CONTROL	SECTION	JOB	HIGHWAY NO.	
0902 0902	90 90	119 192	McCART	

UTILITY QUALITY LEVELS

(OBTAINED FROM ASCE PUBLICATION CI/ASCE STANDARD 38-02)

- UTILITY QUALITY LEVEL D (QL D): INFORMATION DERIVED FROM EXISTING RECORDS OR ORAL RECOLLECTIONS.
- UTILITY QUALITY LEVEL C (QL C): INFORMATION OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE-GROUND UTILITY FEATURES AND BY USING PROFESSIONAL JUDGEMENT IN CORRELATING THIS INFORMATION TO QUALITY LEVEL D INFORMATION.
- UTILITY QUALITY LEVEL B (QL B): INFORMATION OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND APPROXIMATE HORIZONTAL POSITION OF SUBSURFACE UTILITIES. QUALITY LEVEL B DATA SHOULD BE REPRODUCIBLE BY SURFACE GEOPHYSICS AT ANY POINT OF THEIR DEPICTION. THIS INFORMATION IS SURVEYED TO APPLICABLE TOLERANCES DEFINED BY THE PROJECT AND REDUCED ONTO PLAN DOCUMENTS.
- UTILITY QUALITY LEVEL A (QL A): PRECISE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE (OR VERIFICATION OF PREVIOUSLY EXPOSED AND SURVEYED UTILITIES) AND SUBSEQUENT MEASUREMENT OF SUBSURFACE UTILITIES, USUALLY AT A SPECIFIC POINT. MINIMALLY INTRUSIVE EXCAVATION EQUIPMENT IS TYPICALLY USED TO MINIMIZE THE POTENTIAL FOR UTILITY DAMAGE. A PRECISE HORIZONTAL AND VERTICAL LOCATION, AS WELL AS OTHER UTILITY ATTRIBUTES, IS SHOWN ON PLAN DOCUMENTS. ACCURACY IS TYPICALLY SET TO 15-MM VERTICAL AND TO APPLICABLE HORIZONTAL SURVEY AND MAPPING ACCURACY AS DEFINED OR EXPECTED BY THE PROJECT OWNER.

GENERAL NOTES











- THE UTILITIES DEPICTED WERE INVESTIGATED BY LAMB-STAR ENGINEERING, ALL OTHER PLAN INFORMATION, NOTABLY THE BACKGROUND INFORMATION WAS PROVIDED BY OTHERS AND LAMB-STAR ENGINEERING DISCLAIMS RESPONSIBILITY FOR ITS ACCURACY.
- EXISTING SUBSURFACE UTILITY INVESTIGATIONS WERE COMPLETED ON 08/19/2019. LIMITS OF LAMB-STAR SUE INVESTIGATION ARE ALONG ALTAMESA BLVD FROM STA 7+00 TO 23+50 AND ALONG MCCART AVE FROM STA 3+00 TO STA 11+00. LAMB-STAR ENGINEERING EXPRESSLY DISCLAIMS ANY AND ALL RESPONSIBILITY FOR SUE DATA PROVIDED BY OTHERS AND NEW UTILITY INSTALLATIONS OR MODIFICATIONS, AND ADJUSTMENTS TO EXISTING UTILITIES AFTER THE COMPLETION DATE.
- UTILITY LOCATIONS ON THESE DRAWINGS ARE INTENDED FOR DESIGN PURPOSES AND NOT CONSTRUCTION. THEY REFLECT SUBSURFACE UTILITIES AT THE TIME SURVEYED. CALL TEXAS 811 FOR UTILITY LOCATIONS 48-HOURS PRIOR TO ANY WORK.
- UTILITIES ON THESE DRAWINGS HAVE BEEN IDENTIFIED TO ASCE STANDARD 38-02. QUALITY LEVEL D INFORMATION IS SHOWN AS NOTED IN THE LEGEND.
- UTILITIES ON THESE DRAWINGS HAVE BEEN IDENTIFIED TO ASCE STANDARD 38-02. QUALITY LEVEL C INFORMATION IS SHOWN AS NOTED IN THE LEGEND.
- UTILITIES ON THESE DRAWINGS HAVE BEEN IDENTIFIED TO ASCE STANDARD 38-02. QUALITY LEVEL B INFORMATION IS SHOWN AS NOTED IN THE LEGEND.
- UTILITY LINES WERE DESIGNATED WHERE POSSIBLE. HOWEVER, SOME SERVICE LINES ARE CONSTRUCTED OF NON-CONDUCTIVE MATERIAL AND UTILITY COMPANY DRAWINGS DO NOT SHOW SERVICE LINE LOCATIONS. THEREFORE, NOT ALL SERVICE LINES MAY BE SHOWN.

LEGEND OF UTILITY TYPES






GENERAL

UTILITY CONTINUES 
UTILITY TERMINATES 

COMMUNICATIONS

FIBER - AT&T (QL-B)  FO1
FIBER - AT&T (QL-D)  FO1(D)
TELEPHONE - AT&T (QL-B)  T1
OH TELEPHONE - AT&T (QL-C)  OHT1(C)
TELEPHONE - AT&T (QL-D)  T1(D)
CATV - CHARTER (QL-B)  CATV2
OH CATV - CHARTER (QL-C)  OHCATV1(C)
OH FIBER - MCI (QL-C)  OHF01(C)
OH TELEPHONE - MCI (QL-C)  OHT2(C)
FIBER - CONTERRA (QL-D)  FO4(D)

ELECTRIC

ELECTRIC - COFW (QL-B)  E1
OH ELECTRIC - COFW (QL-C)  OHE1(C)
ELECTRIC - ONCOR (QL-B)  E2
OH ELECTRIC - ONCOR (QL-C)  OHE2(C)
ELECTRIC - ONCOR (QL-D)  E2(D)
OH ELECTRIC - UNKNOWN (QL-C)  OHE3(C)

GAS

GAS - ATMOS (QL-B)  G1
GAS - ATMOS (QL-D)  G1(D)

WATER

WATER - COFW (QL-B)  W1
WATER - COFW (QL-D)  W1(D)


WASTEWATER

WASTEWATER - COFW (QL-B)  WW1
WASTEWATER - COFW (QL-D)  WW1(D)


















STORM SEWER

STORM SEWER - COFW (QL-D)  STM1(D)



COMMUNICATIONS

TELEPHONE - MANHOLE  
TELEPHONE - MARKER  
FIBER - MANHOLE  
FIBER - HAND HOLE 

ELECTRIC

ELECTRIC METER  
LIGHT POLE  
POWER POLE (WOOD)  
PULL BOX  
SIGNAL PEDESTAL  
SIGNAL POLE TRAFFIC LIGHT  
TRAFFIC CAMERA  
TRAFFIC CONTROL BOX  
HIGH VOLTAGE TRANSMISSION TOWER LEG 

GAS

METER  
MANHOLE  

WATER

FIRE HYDRANT 
METER  
VALVE  

WASTEWATER

CLEAN OUT 
MANHOLE 

STORM SEWER

CURB INLET  
MANHOLE  

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CALL BEFORE YOU DIG	1-800-336-0193
AT&T	1-800-878-8711
FORT WORTH WATER DEPT. - FIELD OPERATIONS	817-392-8296
FORT WORTH T&PW	817-392-8100
ATMOS ENERGY	817-215-4366
ONCOR GAS & ELECTRIC	817-215-6214
TXU ENERGY	1-800-233-2133
TRI-COUNTY ELECTRIC	817-444-3201
SBC TELEPHONE	817-338-8819
CHARTER COMM.	817-509-8272 X3363
ALL OTHER FACILITIES	1-800-DIG-TE5

GENERAL NOTES:
CONTRACTOR TO PROTECT EXISTING STRUCTURES. CONTRACTOR WILL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT IN THE EVENT OF DAMAGE.

IN THE EVENT THAT AN EXISTING FENCE REQUIRES REMOVAL, THE CONTRACTOR SHALL REPLACE SAID FENCE TO EQUAL OR BETTER CONDITION.

CFW MON 5990 N E EL = 661.77	CP #52 MAG NAIL SET N 6934227.10 E 2342907.40 EL = 658.09
CP #50 CAPPED IRON ROD N 6934229.02 E 2342144.58 EL = 666.68	CP #53 CAPPED IRON ROD N 6934305.68 E 2343218.41 EL = 655.95
CP #51 CAPPED IRON ROD N 6934515.63 E 2342238.47 EL = 665.03	CP #54 CAPPED IRON ROD N 6933937.99 E 2343316.33 EL = 655.95

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 LAMB-STAR ENGINEERING, L.L.C.
5700 W. PLANO PARKWAY, SUITE 1000
PLANO, TEXAS 75093 (214) 440-3600
TEXAS REGISTERED ENGINEERING FIRM F-9073

 Texas Department of Transportation

EXISTING UTILITIES NOTES

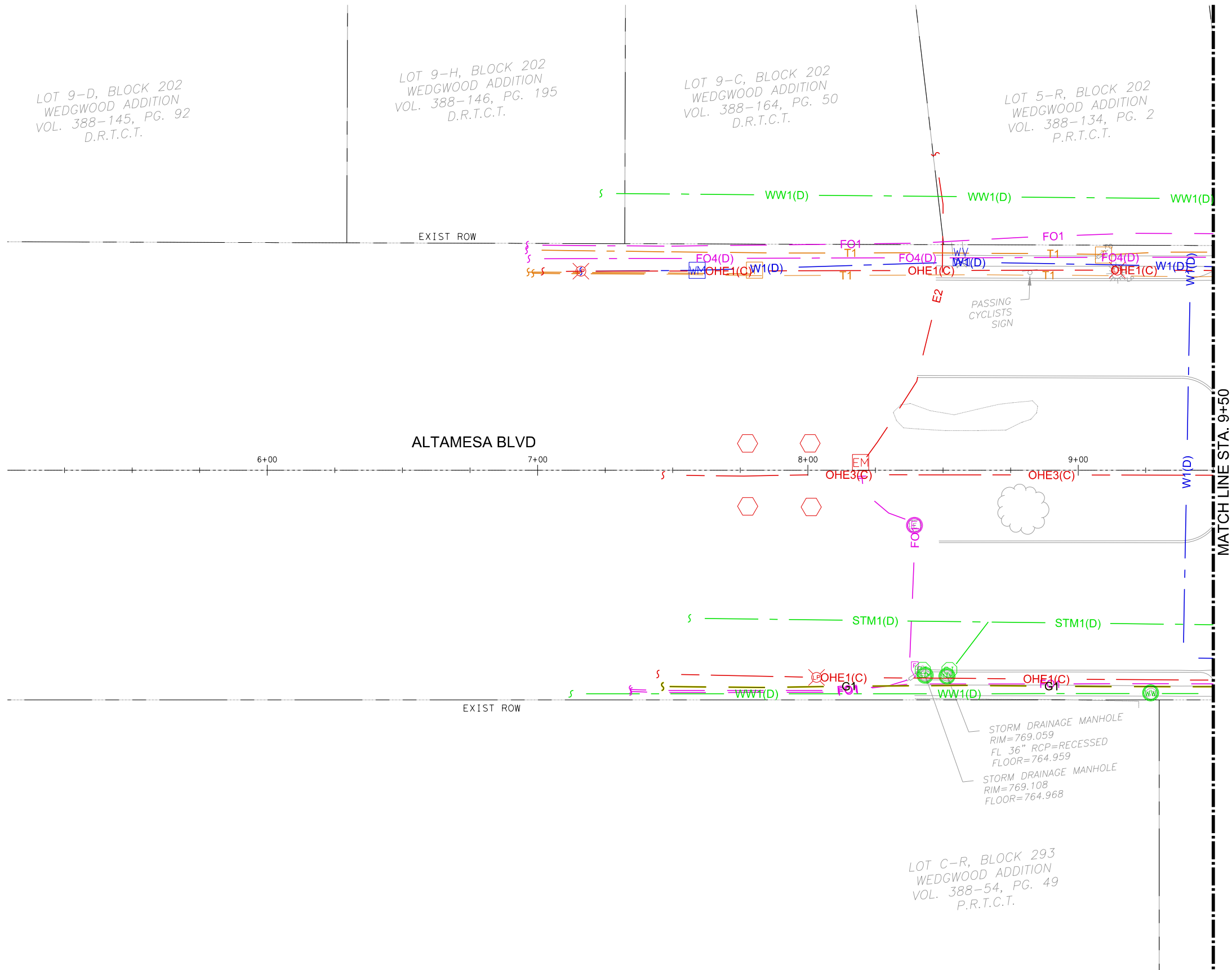
	FED. RD. DIV. NO.	STATE AID PROJECT NO.		SHEET NO.
	6	SEE TITLE SHEET		21
REVISIONS	STATE	DISTRICT	COUNTY	
	TEXAS	FTW	TARRANT	
	CONTROL	SECTION	JOB	HIGHWAY NO.
	0902	90	119	McCART
	0902	90	192	



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SBC TELEPHONE	817-338-8819
CHARTER COMM.	817-509-8272 X3363
ALL OTHER FACILITIES	1-800-DIG-TE5

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- | | |
|-----------------|-----------------|
| CFW MON 5990 | CP #52 |
| N | MAG NAIL SET |
| E | N 6934227.10 |
| EL = 661.77 | E 2342907.40 |
| | EL = 658.09 |
| CP #50 | CP #53 |
| CAPPED IRON ROD | CAPPED IRON ROD |
| N 6934229.02 | N 6934305.68 |
| E 2342144.58 | E 2343218.41 |
| EL = 666.68 | EL = 655.95 |
| CP #51 | CP #54 |
| CAPPED IRON ROD | CAPPED IRON ROD |
| N 6934515.63 | N 6933937.99 |
| E 2342238.47 | E 2343316.33 |
| EL = 665.03 | EL = 655.95 |

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 5700 W. PLANO PARKWAY, SUITE 1000
 PLANO, TEXAS 75093 (214) 440-3600
 TEXAS REGISTERED ENGINEERING FIRM F-9073



EXISTING UTILITIES BEGIN PROJECT TO STA. 9+50

	FED. RD. DIV. NO.	STATE AID PROJECT NO.		SHEET NO.
	6	SEE TITLE SHEET		22
REVISIONS	STATE	DISTRICT	COUNTY	
	TEXAS	FTW	TARRANT	
	CONTROL	SECTION	JOB	HIGHWAY NO.
	0902	90	119	McCART
	0902	90	192	



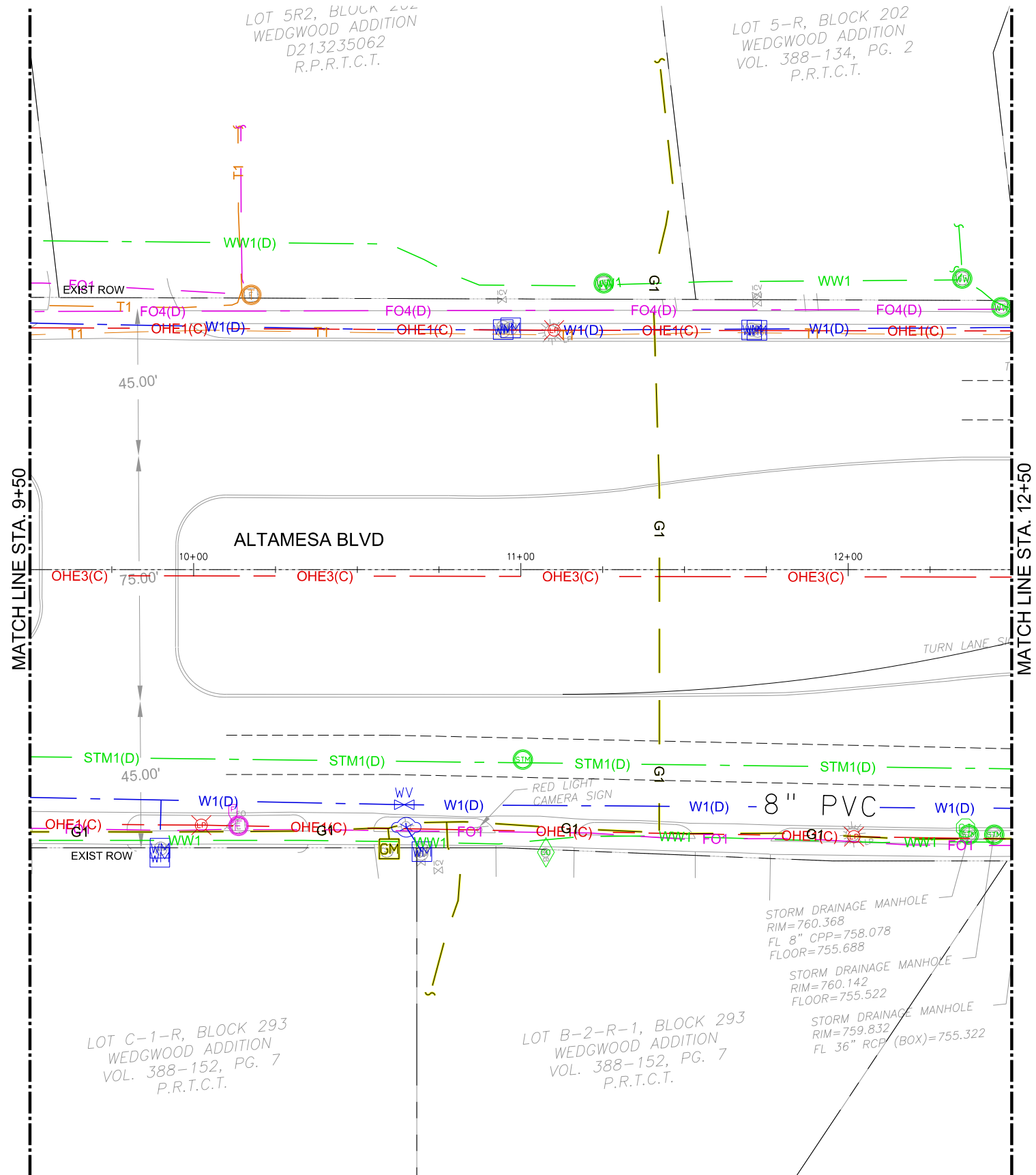
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PROJECT BENCHMARKS

CFW MON 5990	CP #52
N	MAG NAIL SET
E	N 6934227.10
EL = 661.77	E 2342907.40
	EL = 658.09
CP #50	CP #53
CAPPED IRON ROD	CAPPED IRON ROD
N 6934229.02	N 6934305.68
E 2342144.58	E 2343218.41
EL = 666.68	EL = 655.95
CP #51	CP #54
CAPPED IRON ROD	CAPPED IRON ROD
N 6934515.63	N 6933937.99
E 2342238.47	E 2343316.33
EL = 665.03	EL = 655.95



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 5700 W. PLANO PARKWAY, SUITE 1000
 PLANO, TEXAS 75093 (214) 440-3600
 TEXAS REGISTERED ENGINEERING FIRM F-9073



EXISTING UTILITIES
 STA. 9+50 to STA. 12+50

	FED. RD. DIV. NO.	STATE AID PROJECT NO.	SHEET NO.
	6	SEE TITLE SHEET	23
REVISIONS	STATE	DISTRICT COUNTY	
	TEXAS	FTW TARRANT	
	CONTROL	SECTION JOB	HIGHWAY NO.
	0902	90 119	McCART
	0902	90 192	



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TXU ENERGY	1-800-233-2133
TRI-COUNTY ELECTRIC	817-444-3201
SBC TELEPHONE	817-338-8819
CHARTER COMM.	817-509-8272 X3363
ALL OTHER FACILITIES	1-800-DIG-TE5

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PROJECT BENCHMARKS

CFW MON 5990	CP #52
N	MAG NAIL SET
E	N 6934227.10
EL = 661.77	E 2342907.40
	EL = 658.09
CP #50	CP #53
CAPPED IRON ROD	CAPPED IRON ROD
N 6934229.02	N 6934305.68
E 2342144.58	E 2343218.41
EL = 666.68	EL = 655.95
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CAPPED IRON ROD	CAPPED IRON ROD
N 6934515.63	N 6933937.99
E 2342238.47	E 2343316.33
EL = 665.03	EL = 655.95

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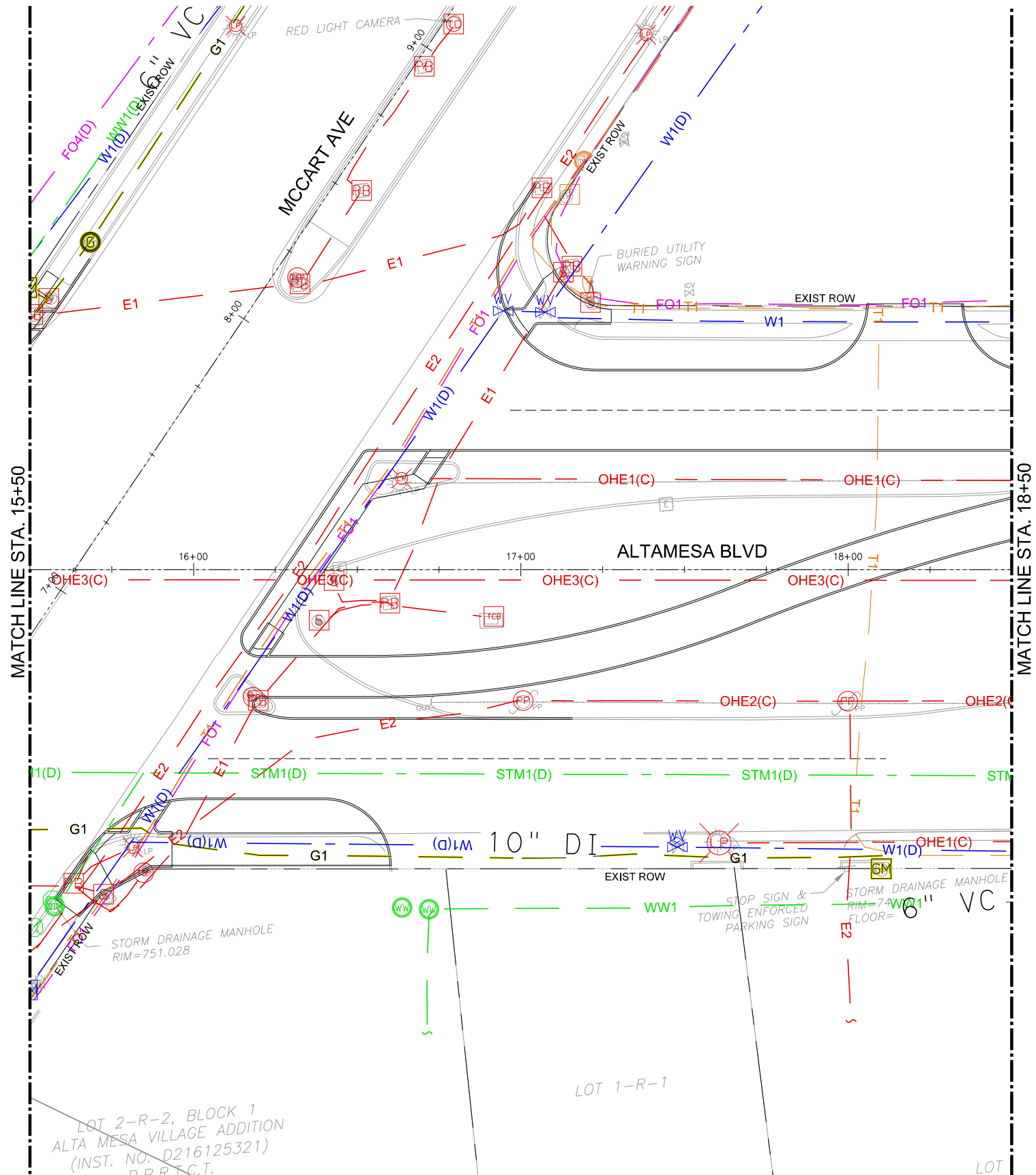
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LAMB-STAR ENGINEERING, L.L.C.
 5700 W. PLANO PARKWAY, SUITE 1000
 PLANO, TEXAS 75093 (214) 440-3600
 TEXAS REGISTERED ENGINEERING FIRM F-9073



EXISTING UTILITIES
 STA. 15+50 TO STA. 18+50

REVISIONS	FED. RD. DIV. NO.	STATE AID PROJECT NO.		SHEET NO.	
	6	SEE TITLE SHEET			25
	STATE	DISTRICT	COUNTY		
	TEXAS	FTW	TARRANT		
CONTROL	SECTION	JOB	HIGHWAY NO.		
0902	90	119	MCCART		
0902	90	192			



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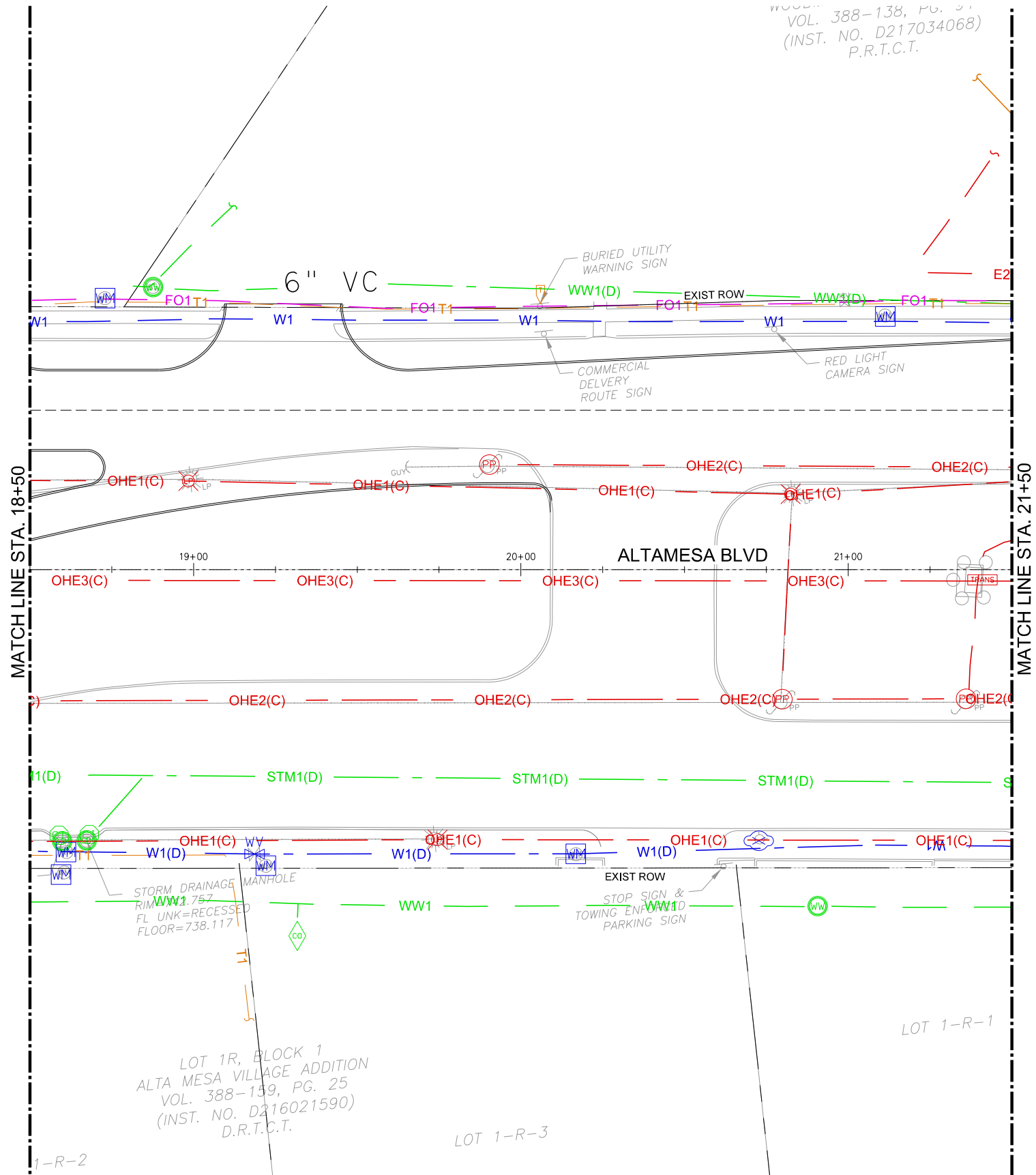
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AT&T	1-800-878-8711
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FORT WORTH T&PW	817-392-8100
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TXU ENERGY	1-800-233-2133
TRI-COUNTY ELECTRIC	817-444-3201
SBC TELEPHONE	817-338-8819
CHARTER COMM.	817-509-8272 X3363
ALL OTHER FACILITIES	1-800-DIG-TE5

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 PLANO, TEXAS 75093 (214) 440-3600
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**EXISTING UTILITIES
 STA. 18+50 to STA. 21+50**

REVISIONS	FED. RD. DIV. NO.	STATE AID PROJECT NO.		SHEET NO.
	6	SEE TITLE SHEET		26
	STATE	DISTRICT	COUNTY	
	TEXAS	FTW	TARRANT	
CONTROL	SECTION	JOB	HIGHWAY NO.	
0902	90	119	McCART	
0902	90	192		

VOL. 388-138, PG. 31
 (INST. NO. D217034068)
 P.R.T.C.T.

LOT 1R, BLOCK 1
 ALTA MESA VILLAGE ADDITION
 VOL. 388-159, PG. 25
 (INST. NO. D216021590)
 D.R.T.C.T.

LOT 1-R-3

LOT 1-R-1



0 20 40 60

GRAPHIC SCALE IN FEET

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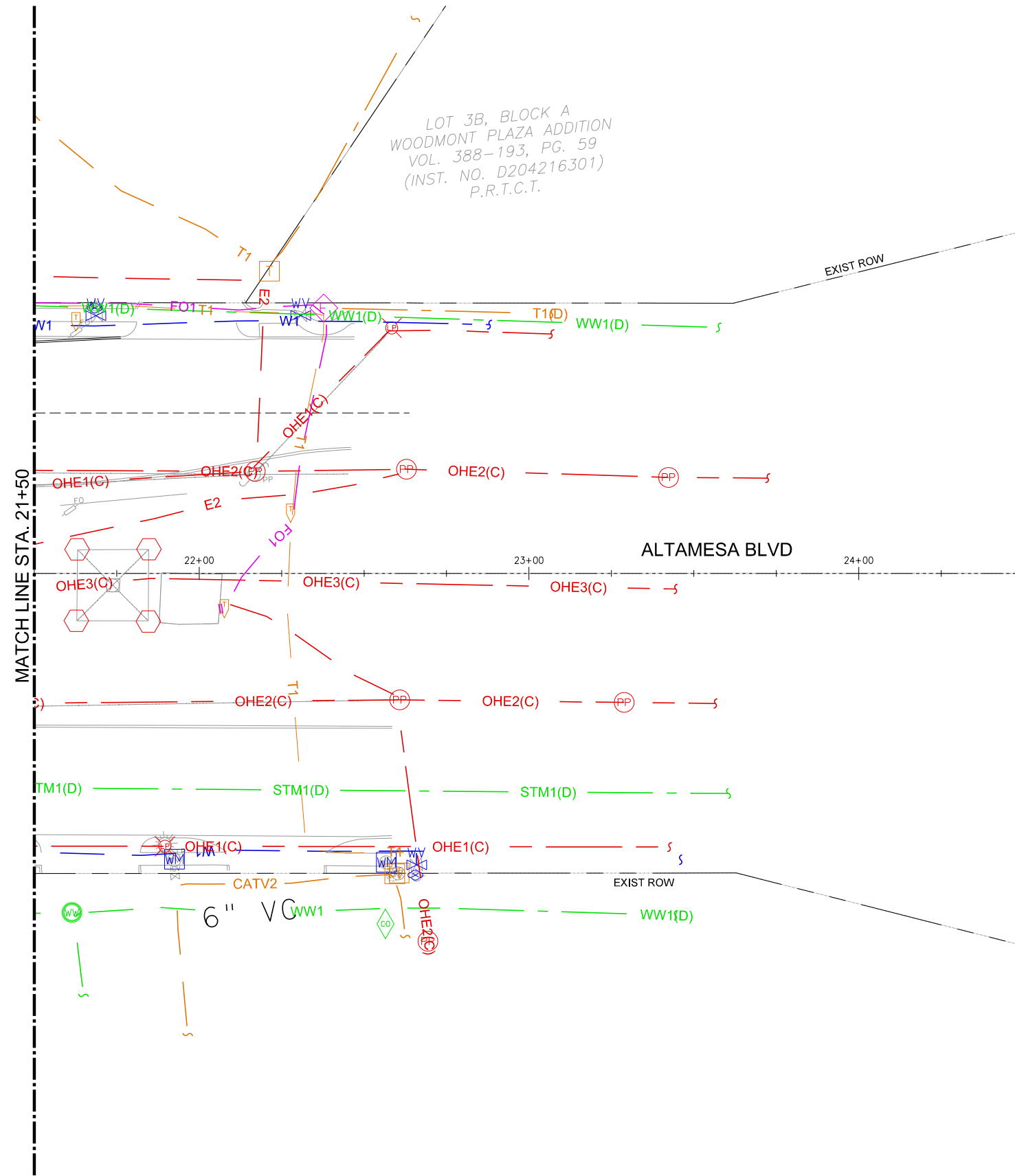
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EXISTING UTILITIES
STA. 21+50 to STA. 24+50

	FED. RD. DIV. NO.	STATE AID PROJECT NO.		SHEET NO.
	6	SEE TITLE SHEET		27
REVISIONS	STATE	DISTRICT	COUNTY	
	TEXAS	FTW	TARRANT	
	CONTROL	SECTION	JOB	HIGHWAY NO.
	0902	90	119	McCART
	0902	90	192	



LOT 3B, BLOCK A
 WOODMONT PLAZA ADDITION
 VOL. 388-193, PG. 59
 (INST. NO. D204216301)
 P.R.T.C.T.

MATCH LINE STA. 21+50

ALTAMESA BLVD



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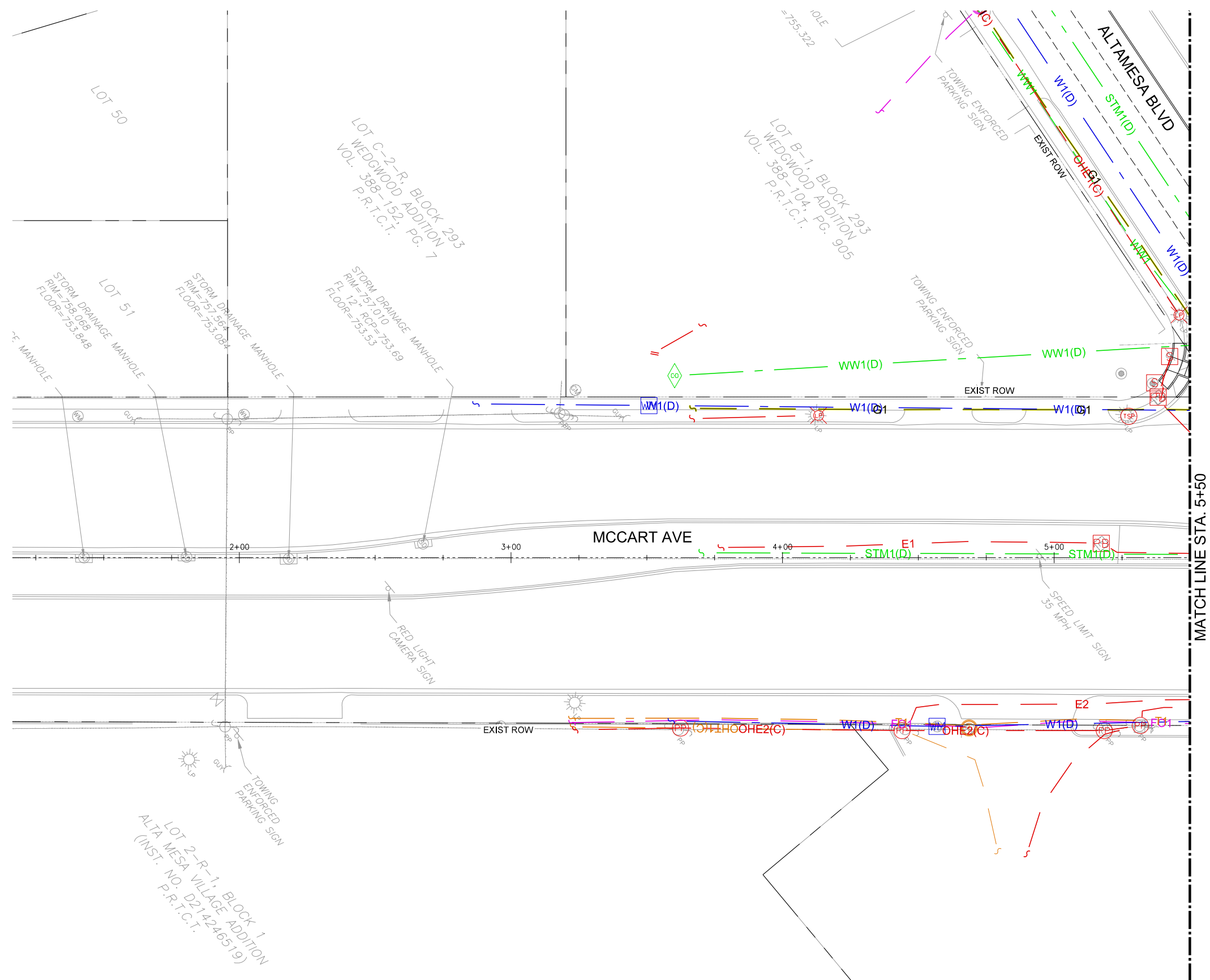
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 5700 W. PLANO PARKWAY, SUITE 1000
 PLANO, TEXAS 75093 (214) 440-3600
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EXISTING UTILITIES
 STA. 2+50 TO STA. 5+50

REVISIONS	FED. RD. DIV. NO.	STATE AID PROJECT NO.		SHEET NO.
	6	SEE TITLE SHEET		28
	STATE	DISTRICT	COUNTY	
	TEXAS	FTW	TARRANT	
	CONTROL	SECTION	JOB	HIGHWAY NO.
	0902	90	119	McCART
	0902	90	192	





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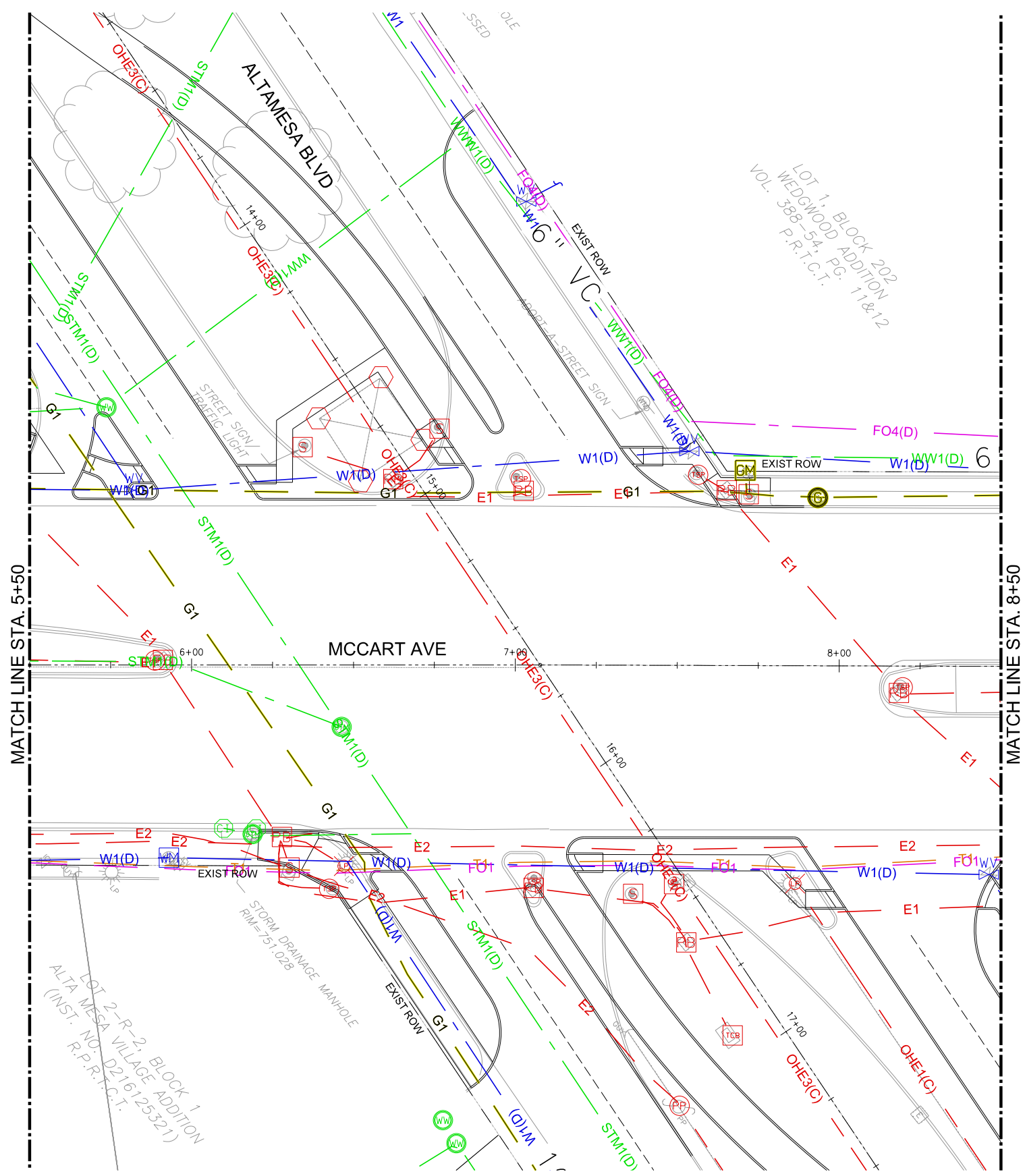
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 5700 W. PLANO PARKWAY, SUITE 1000
 PLANO, TEXAS 75093 (214) 440-3600
 TEXAS REGISTERED ENGINEERING FIRM F-9073

 Texas Department of Transportation

EXISTING UTILITIES
 STA. 5+50 TO STA. 8+50

	FED. RD. DIV. NO.	STATE AID PROJECT NO.	SHEET NO.	
	6	SEE TITLE SHEET	29	
REVISIONS	STATE	DISTRICT		COUNTY
	TEXAS	FTW		TARRANT
	CONTROL	SECTION	JOB	
	0902	90	119	
	0902	90	192	
			HIGHWAY NO.	
			McCART	



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**EXISTING UTILITIES
STA. 8+50 to STA. 11+50**

	FED. RD. DIV. NO.	STATE AID PROJECT NO.		SHEET NO.
	6	SEE TITLE SHEET		30
REVISIONS	STATE	DISTRICT	COUNTY	
	TEXAS	FTW	TARRANT	
	CONTROL	SECTION	JOB	HIGHWAY NO.
	0902	90	119	McCART
	0902	90	192	

