Sheet List Table

SHEET TITLE

COVER SHEET

GENERAL NOTES

DEMOLITION PLAN

PAVING AND GRADING

DRAINAGE AREA MAP

CULVERT & STRIPING PLAN

TXDOT DETAILS

SHEET NUMBER

CONSTRUCTION PLANS FOR UNIVERSITY TURN LANE

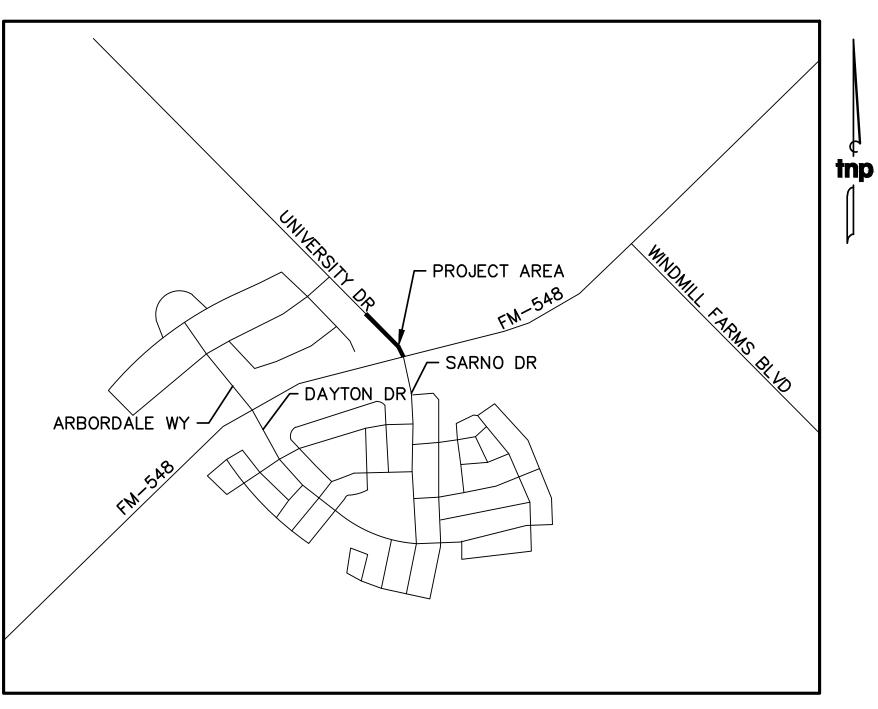
PAVING IMPROVEMENTS KAUFMAN COUNTY, TEXAS NOVEMBER 2023

CIVIL ENGINEER

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LOCATION MAP NOT TO SCALE





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2. EXAMINATION OF SITE:

THE CONTRACTOR ACKNOWLEDGES THAT HE HAS INVESTIGATED AND SATISFIED HIMSELF AS TO THE CONDITIONS AFFECTING THE WORK, INCLUDING BUT NOT RESTRICTED TO THOSE BEARING UPON TRANSPORTATION, DISPOSAL, HANDLING AND STORAGE OF MATERIALS, AVAILABILITY OF LABOR, WATER, ELECTRIC POWER, ROADS AND UNCERTAINTIES OF WEATHER, OR SIMILAR PHYSICAL CONDITIONS AT THE SITE, CONDITIONS OF THE GROUND, THE CHARACTER OF EQUIPMENT AND FACILITIES NEEDED PRELIMINARY TO AND DURING PERFORMANCE OF THE WORK. THE CONTRACTOR ACKNOWLEDGES THAT HE HAS INSPECTED THE SITE OF THE WORK AND IS FAMILIAR WITH THE SOIL CONDITIONS TO BE ENCOUNTERED. ANY FAILURE BY THE CONTRACTOR TO ACQUAINT HIMSELF WITH THE AVAILABLE INFORMATION WILL NOT RELIEVE HIM FROM RESPONSIBILITY FOR ESTIMATING PROPERLY THE DIFFICULTY OR COST OF SUCCESSFULLY PERFORMING THE WORK. THE COUNTY ASSUMES NO RESPONSIBILITY FOR ANY CONCLUSIONS OR INTERPRETATIONS MADE BY THE CONTRACTOR ON THE BASIS OF THE INFORMATION MADE AVAILABLE BY

3. SUBSURFACE INVESTIGATION:

SUBSURFACE EXPLORATION TO ASCERTAIN THE NATURE OF SOILS, INCLUDING THE AMOUNT OF ROCK, IF ANY, IS THE RESPONSIBILITY OF THE CONTRACTOR. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE SUCH SUBSURFACE INVESTIGATIONS AS HE DEEMS NECESSARY TO DETERMINE THE NATURE OF THE MATERIAL TO BE ENCOUNTERED.

TOPOGRAPHIC SURVEY:

TOPOGRAPHIC SURVEY INFORMATION SHOWN ON THE PLANS IS PROVIDED FOR INFORMATIONAL PURPOSES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE INFORMATION SHOWN IS CORRECT, AND SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY ERRORS, DISCREPANCIES OR OMISSIONS TO THE SURVEY INFORMATION PROVIDED. ANY COSTS INCURRED AS A RESULT OF NOT CONFIRMING THE ACTUAL SURVEY SHALL BE BORNE BY THE CONTRACTOR.

COMPLIANCE WITH LAWS:

THE CONTRACTOR SHALL FULLY COMPLY WITH ALL LOCAL, STATE AND FEDERAL LAWS, INCLUDING ALL CODES, ORDINANCES AND REGULATIONS APPLICABLE TO THIS CONTRACT AND THE WORK TO BE DONE THEREUNDER, WHICH EXIST OR MAY BE ENACTED LATER BY GOVERNMENTAL BODIES HAVING JURISDICTION OR AUTHORITY FOR SUCH ENACTMENT. ALL WORK REQUIRED UNDER THIS CONTRACT SHALL COMPLY WITH ALL REQUIREMENTS OF LAW, REGULATION, PERMIT OR LICENSE. IF THE CONTRACTOR FINDS THAT THERE IS A VARIANCE, HE SHALL IMMEDIATELY REPORT THIS TO THE COUNTY FOR RESOLUTION.

6. PUBLIC CONVENIENCE AND SAFETY:

IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES. THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. MATERIALS STORED ON THE WORK SITE SHALL BE SO PLACED, AND THE WORK SHALL AT ALL TIMES BE SO CONDUCTED, AS TO CAUSE NO GREATER OBSTRUCTION TO THE TRAVELING PUBLIC THAN IS CONSIDERED ACCEPTABLE BY THE GOVERNING AUTHORITIES AND THE COUNTY. THE MATERIALS EXCAVATED SHALL BE PLACED SO AS NOT TO ENDANGER THE WORK OR PREVENT FREE ACCESS TO ALL FIRE HYDRANTS, WATER VALVES, GAS VALVES, MANHOLES, AND FIRE ALARM OR POLICE CALL BOXES IN THE VICINITY. THE COUNTY RESERVES THE RIGHT TO REMEDY ANY NEGLECT ON THE PART OF THE CONTRACTOR WITH REGARDS TO THE PUBLIC CONVENIENCE AND SAFETY WHICH MAY COME TO THE COUNTY'S ATTENTION, AFTER 24 HOURS NOTICE IN WRITING TO THE CONTRACTOR, SAVE IN CASES OF EMERGENCY, WHEN THE COUNTY SHALL HAVE THE RIGHT TO REMEDY ANY NEGLECT WITHOUT NOTICE; AND, IN EITHER CASE, THE COST OF SUCH WORK DONE BY THE COUNTY SHALL BE DEDUCTED FROM THE MONIES DUE OR TO BECOME DUE THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY THE OWNER/DEVELOPER AND THE GOVERNING AUTHORITIES WHEN ANY STREET IS TO BE CLOSED OR OBSTRUCTED; SUCH NOTICE SHALL IN THE CASE OF MAJOR THOROUGHFARES OR STREETS UPON WHICH TRANSIT BY THE COUNTY OR THE GOVERNING AUTHORITIES, KEEP ANY STREET OR STREETS IN CONDITION FOR 19. TRAFFIC CONTROL: UNOBSTRUCTED USE BY EMERGENCY SERVICES. WHERE THE CONTRACTOR IS REQUIRED TO CONSTRUCT TEMPORARY BRIDGES OR TO MAKE OTHER ARRANGEMENTS IT SHALL BE THE RESPON FOR CROSSING OVER DITCHES OR STREAMS, HIS RESPONSIBILITY FOR ACCIDENTS SHALL INCLUDE THE ROADWAY APPROACHES AS WELL AS THE STRUCTURES OF SUCH CROSSINGS.

7. STORM WATER POLLUTION PREVENTION PLAN (SWP3):

THE CONTRACTOR SHALL COMPLY WITH THE CONDITIONS OF THE SWP3 WHILE CONDUCTING HIS ACTIVITIES ON THE PROJECT. IN ADDITION TO CONSTRUCTING THOSE ITEMS INDICATED ON THE PLAN SHEETS, COMPLIANCE WITH THE SWP3 INCLUDES CONFORMANCE TO CERTAIN PRACTICES AND PROCEDURES (IDENTIFIED IN THE SWP3) DURING PROJECT CONSTRUCTION. A. ALL CONTRACTORS WILL COMPLY WITH THE REQUIREMENTS AND INTENT OF THE N.P.D.E.S. GENERAL PERMIT FOR STORM WATER DISCHARGES.

- B. CONTRACTOR SHALL TAKE APPROPRIATE MEASURES TO PREVENT TRACKING OF MUD AND/OR SOIL ONTO EXISTING AND/OR NEW PAVEMENT. ANY TRACKING THAT OCCURS SHALL BE REMOVED IMMEDIATELY BY THE CONTRACTOR.
- DAMAGE TO ADJACENT PROPERTY AND/OR TO RECEIVING WATERS CAUSED BY IMPROPERLY INSTALLED OR POORLY MAINTAINED EROSION CONTROL MEASURES WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- D. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF ANY SILTATION CAUSED BY THEIR OPERATIONS AND/OR FAILURE OF THE EROSION CONTROL DEVICES.
- E. CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE OF ACCUMULATED SILT AND SEDIMENT FROM THE EROSION CONTROL MEASURES WHEN IT REACHES A DEPTH OF FOUR (4) INCHES OR IMPAIRS THE EFFECTIVENESS OF THE MEASURES.
- THE CONTRACTOR SHALL INSPECT THE PROJECT EVERY SEVEN DAYS, AT A MINIMUM, AND AFTER EVERY RAINFALL OF ONE-HALF INCHES OR GREATER TO DETERMINE THE INTEGRITY AND EFFECTIVENESS OF THE EROSION CONTROL MEASURES. A WRITTEN INSPECTION REPORT WILL BE FILED WITH SWPPP. THIS INSPECTION DOES NOT RELIEVE THE CONTRACTOR'S RESPONSIBILITY FOR INSPECTION AND MAINTENANCE OF THE EROSION CONTROL MEASURES OR HIS DUTY TO COMPLY WITH THE INTENT AND CONDITIONS OF THE N.P.D.E.S. GENERAL PERMIT.
- ALL STOCK PILED SOILS WILL BE SURROUNDED BY A SLIT FENCE, SEDIMENT CONTROL SWALE, OR EQUIVALENT MEASURE TO PROPERLY CONTROL SEDIMENT RUNUFF. AS APPROVED BY THE CITY.
- H. CONTRACTOR SHALL STABILIZE ANY AREA WHERE CONSTRUCTION ACTIVITY IS TO BE TEMPORARILY OR PERMANENTLY CEASED FOR MORE THAN 14 DAYS.

PERMITS AND LICENSES:

THE CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS AND LICENSES NECESSARY FOR THE EXECUTION OF THE WORK AND SHALL FULLY COMPLY WITH ALL THEIR TERMS AND CONDITIONS. WHENEVER THE WORK UNDER THIS CONTRACT REQUIRES THE OBTAINING OF PERMITS FROM THE GOVERNING AUTHORITIES, THE CONTRACTOR SHALL FURNISH DUPLICATE COPIES OF SUCH PERMITS TO THE COUNTY BEFORE THE WORK COVERED THEREBY IS STARTED. NO WORK WILL BE ALLOWED TO PROCEED BEFORE SUCH PERMITS ARE OBTAINED.

INSPECTION OF THE PROPOSED CONSTRUCTION WILL BE PROVIDED BY THE COUNTY AT END OF CONSTRUCTION..

10. SHOP DRAWINGS:

THE CONTRACTOR SHALL PROVIDE, REVIEW, APPROVE AND SUBMIT ALL SHOP DRAWINGS, PRODUCT DATA AND SAMPLES REQUIRED BY THE GOVERNING AUTHORITIES AND THE PROJECT CONTRACT DÓCUMENTS IN ACCORDANCE WITH THE STANDARD SPECÍFICATIONS FOR PUBLIC WORKS CONSTRUCTION, NORTH CENTRAL TEXAS -NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS (LATEST VERSION UNLESS OTHERWISE SPECIFIED).

. SURVEYING:

ALL SURVEYING REQUIRED FOR CONSTRUCTION STAKING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL EMPLOY A REGISTERED PROFESSIONAL LAND SURVEYOR TO PERFORM ALL ADDITIONAL SURVEY, LAYOUT AND MEASUREMENT WORK NECESSARY FOR THE COMPLETION OF THE PROJECT. THE CONTRACTOR SHALL VERIFY THE SITE BENCHMARKS' ELEVATION SHOWN ON THE PLANS AND REPORT ANY DISCREPANCIES TO THE OWNER AND ENGINEER PRIOR TO ANY CONSTRUCTION STAKING. ALL CONSTRUCTION TRADES SHALL COORDINATE THROUGH THE GENERAL CONTRACTOR USING THE SAME BENCHMARKS FOR VERTICAL CONTROL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE REMOVAL, REPLACEMENT AND REDESIGN OF ANY IMPROVEMENTS CONSTRUCTED PRIOR TO CHECKING HORIZONTAL/VERTICAL CONTROL AND PLAN DIMENSIONS AND NOTIFICATION OF ANY DISCREPANCIES TO THE OWNER AND ENGINEER.

12. PROTECTION OF PROPERTY CORNERS AND BENCHMARKS:

THE CONTRACTOR SHALL PROTECT ALL PROPERTY CORNER MARKERS AND BENCHMARKS, AND WHEN ANY SUCH MARKERS OR MONUMENTS ARE IN DANGER OF BEING 26. DRAINAGE CHANNELS: DISTURBED, THEY SHALL BE PROPERLY REFERENCED AND IF DISTURBED SHALL BE RESET BY A REGISTERED PUBLIC SURVEYOR AT THE EXPENSE OF THE CONTRACTOR.

13. EXISTING STRUCTURES:

THE PLANS SHOW THE LOCATION OF ALL KNOWN SURFACE AND SUBSURFACE STRUCTURES, HOWEVER, THE COUNTY AND ENGINEER ASSUME NO RESPONSIBILITY FOR FAILURE TO SHOW ANY OR ALL OF THESE STRUCTURES ON THE PLANS, OR TO SHOW THEM IN THEIR EXACT LOCATION. SUCH FAILURE SHALL NOT BE CONSIDERED SUFFICIENT BASIS FOR CLAIMS FOR ADDITIONAL COMPENSATION FOR EXTRA WORK OR FOR INCREASING THE PAY QUANTITIES IN ANY MANNER WHATSOEVER, UNLESS THE OBSTRUCTION ENCOUNTERED IS SUCH AS TO REQUIRE CHANGES IN THE LINES OR GRADES, OR REQUIRE THE CONSTRUCTION OF SPECIAL WORK, FOR WHICH PROVISIONS ARE NOT MADE IN THE PLANS.

14. PROTECTION OF EXISTING UTILITIES:

AS REQUIRED BY "THE TEXAS UNDERGROUND FACILITY DAMAGE PREVENTION AND SAFETY ACT", TEXAS ONE CALL SYSTEM MUST BE CONTACTED (800—245—4545 OR 811) AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION OPERATIONS BEING PERFORMED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT TEXAS ONE CALL SYSTEM. THE LOCATION AND DIMENSIONS SHOWN ON THE PLANS RELATIVE TO EXISTING UTILITIES ARE BASED ON THE RECORDS AND/OR FIELD INFORMATION AVAILABLE AND ARE NOT GUARANTEED BY THE COUNTY OR ENGINEER TO BE ACCURATE AS TO LOCATION AND DEPTH. IT SHALL BE THE CONTRACTOR'S

RESPONSIBILITY TO VERIFY LOCATIONS OF ADJACENT AND/OR CONFLICTING UTILITIES SUFFICIENTLY IN ADVANCE OF HIS ACTIVITIES IN ORDER THAT HE MAY NEGOTIATE SUCH LOCAL ADJUSTMENTS AS NECESSARY IN THE CONSTRUCTION PROCESS TO PROVIDE ADEQUATE CLEARANCES. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS IN ORDER TO PROTECT ALL EXISTING UTILITIES, SERVICES AND STRUCTURES ENCOUNTERED, WHETHER OR NOT THEY ARE INDICATED ON THE PLANS. ANY DAMAGE TO UTILITIES RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED AT HIS EXPENSE. TO AVOID UNNECESSARY INTERFERENCES OR DELAYS, THE CONTRACTOR SHALL COORDINATE ALL UTILITY REMOVALS, REPLACEMENTS AND CONSTRUCTION WITH THE APPROPRIATE GOVERNING 30. DUST CONTROLS AUTHORITIES, THEN REQUEST WRITTEN AUTHORIZATION FROM THE ENGINEER. THE COUNTY WILL NOT BE LIABLE FOR DAMAGES DUE TO DELAY AS A RESULT OF THE

15. DAMAGE TO EXISTING FACILITIES:

ALL UTILITIES, PAVEMENT, SIDEWALKS, WALLS, FENCES, ETC. NOT DESIGNATED TO BE REMOVED BUT THAT ARE DAMAGED DURING CONSTRUCTION ACTIVITIES SHALL BE REPLACED TO A CONDITION AS GOOD AS OR BETTER THAN THE CONDITIONS PRIOR TO STARTING THE WORK, SOLELY AT THE EXPENSE OF THE CONTRACTOR. ANY FACILITIES THAT ARE RELOCATED DURING CONSTRUCTION MUST BE COORDINATED WITH THE OWNER OF THAT FACILITY PRIOR TO RELOCATION.

16. FIRE AND LIFE SAFETY SYSTEMS:

CONTRACTOR SHALL NOT REMOVE, DISABLE OR DISRUPT EXISTING FIRE OR LIFE SAFETY SYSTEMS WITHOUT WRITTEN PERMISSION FROM THE GOVERNING AUTHORITY.

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE AND MAINTAIN A VIABLE TRENCH SAFETY SYSTEM AT ALL TIMES DURING CONSTRUCTION ACTIVITIES. THE CONTRACTOR IS DIRECTED TO BECOME KNOWLEDGEABLE AND FAMILIAR WITH THE STANDARDS AS SET BY THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) AND THE STATE OF TEXAS LAW CONCERNING TRENCHING AND SHORING. THE CONTRACTOR SHALL PROVIDE TRENCH SAFETY SYSTEM PLANS, PREPARED AND SEALED BY A PROFESSIONAL ENGINEER, LICENSED IN THE STATE OF TEXAS, FOR THE IMPLEMENTATION OF SAFETY CONTROL MEASURES, MEETING THE REQUIREMENTS OF THE GOVERNING AUTHORITIES, THAT WILL BE IN EFFECT DURING THE PERIOD OF CONSTRUCTION OF THE PROJECT.

18. SAFETY RESTRICTIONS - WORK NEAR HIGH VOLTAGE LINES:

THE FOLLOWING PROCEDURES WILL BE FOLLOWED REGARDING THE SUBJECT ITEM ON THIS CONTRACT:

- A. A WARNING SIGN NOT LESS THAN FIVE INCHES BY SEVEN INCHES PAINTED YELLOW WITH BLACK LETTERS THAT ARE LEGIBLE AT 12 FEET SHALL BE PLACED INSIDE AND OUTSIDE VEHICLES SUCH AS CRANES, DERRICKS, POWER SHOVELS, DRILLING RIGS, PILE DRIVER, HOISTING EQUIPMENT OR SIMILAR APPARATUS. THE WARNING SIGN SHALL READ AS FOLLOWS: "WARNING — UNLAWFUL TO OPERATE THIS EQUIPMENT WITHIN SIX FEET OF HIGH VOLTAGE LINES.
- B. EQUIPMENT THAT MAY BE OPERATED WITHIN TEN FEET OF HIGH VOLTAGE LINES SHALL HAVE AN INSULATING CAGE-TYPE OF GUARD ABOUT THE BOOM OR ARM, 34. SEEDING: EXCEPT BACKHOES OR DIPPERS, AND INSULATOR LINKS ON THE LIFT HOOK CONNECTIONS.
- C. WHEN NECESSARY TO WORK WITHIN SIX FEET OF HIGH VOLTAGE ELECTRIC LINES, NOTIFY THE POWER COMPANY WHO WILL ERECT TEMPORARY MECHANICAL BARRIERS, DE-ENERGIZE THE LINE OR RAISE OR LOWER THE LINE. THE WORK DONE BY THE POWER COMPANY SHALL BE AT THE EXPENSE OF THE CONTRACTOR. THE NOTIFYING DEPARTMENT SHALL MAINTAIN AN ACCURATE LOG OF ALL SUCH CALLS TO THE POWER COMPANY AND SHALL RECORD ACTION TAKEN IN EACH CASE
- D. THE CONTRACTOR IS REQUIRED TO MAKE ARRANGEMENTS WITH THE POWER COMPANY FOR THE TEMPORARY RELOCATION OR RAISING OF HIGH VOLTAGE LINES AT THE CONTRACTOR'S SOLE COST AND EXPENSE.
- E. NO PERSON SHALL WORK WITHIN SIX FEET OF A HIGH VOLTAGE LINE WITHOUT PROTECTION HAVING BEEN TAKEN AS OUTLINED IN PARAGRAPH "C" ABOVE.

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DEVELOP AND SUBMIT FOR APPROVAL BY THE GOVERNING AUTHORITIES, A TRAFFIC CONTROL PLAN, PREPARED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF TEXAS, OUTLINING TRAFFIC MANAGEMENT PROCEDURES TO BE PROVIDED DURING CONSTRUCTION. TRAFFIC CONTROL MEASURES SHALL BE PROVIDED IN ACCORDANCE WITH THE FOLLOWING ADDITIONAL REQUIREMENTS:

- A. CONSTRUCTION OF SIGNING AND BARRICADES SHALL CONFORM WITH THE "TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", AS CURRENTLY AMENDED, TEXAS DEPARTMENT OF HIGHWAYS AND PUBLIC TRANSPORTATION.
- B. THE CONTRACTOR SHALL BE REQUIRED TO FURNISH BARRICADES, FLARES, FLAGMEN, ETC., FOR THE PROTECTION OF THE PUBLIC, EMPLOYEES AND THE WORK.
- C. THE CONTRACTOR SHALL PERFORM HIS WORK IN SUCH A MANNER AS TO CREATE A MINIMUM OF INTERRUPTION TO TRAFFIC ALONG ADJACENT ROADWAYS. TWO WAY TRAFFIC MUST BE MAINTAINED ON ALL ROADWAYS AT ALL TIMES THROUGHOUT CONSTRUCTION UNLESS WRITTEN PERMISSION IS GRANTED BY THE GOVERNING AUTHORITIES.
- D. ALL SIGNAGE, MARKINGS, LIGHTING, BARRICADES, FLAGMEN AND OTHER DEVICES AND PERSONNEL REQUIRED FOR TRAFFIC CONTROL DURING CONSTRUCTION OF THE PROJECT WILL BE INCLUDED IN THE CONTRACT AMOUNT.
- E. ALL TRAFFIC CONTROL DEVICES USED DURING NIGHTTIME SHALL BE REFLECTORIZED, ILLUMINATED FROM WITHIN OR EXTERNALLY ILLUMINATED.
- F. THE CONTRACTOR SHALL NOT REMOVE ANY REGULATORY SIGN, INSTRUCTIONAL SIGN, WARNING SIGN, STREET NAME SIGN OR ANY SIGNAL, WHICH CURRENTLY EXISTS, WITHOUT THE CONSENT OF THE GOVERNING AUTHORITIES.
- G. THE CONTRACTOR SHALL MAINTAIN AND REPLACE WHERE NECESSARY ALL SIGNS, LIGHTS, MARKINGS AND TEMPORARY PAVEMENT THROUGHOUT THE CONSTRUCTION PERIOD.
- H. THE CONTRACTOR SHALL REMOVE ALL TRAFFIC CONTROL MEASURES AT THE END OF CONSTRUCTION AND RESTORE UNIMPROVED PAVEMENT AND OTHER DISTURBED AREAS TO THEIR ORIGINAL CONDITION.

20. ACCESS TO ADJACENT PROPERTIES:

ACCESS TO ADJACENT PROPERTIES SHALL BE MAINTAINED AT ALL TIMES UNLESS OTHERWISE DIRECTED BY THE COUNTY.

21. ACCESS ROUTES, STAGING AREAS AND STORAGE AREAS:

ALL PRIVATE HAUL ROADS AND ACCESS ROUTES AND THE LOCATION OF ALL STAGING AREAS AND STORAGE AREAS SHALL BE SUBJECT TO THE APPROVAL OF THE COUNTY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING AND REPAIRING ALL ROADS AND OTHER FACILITIES USED DURING CONSTRUCTION. UPON COMPLETION OF THE PROJECT, ALL HAUL ROADS, ACCESS ROADS, STAGING AREAS AND STORAGE AREAS SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN THAT AT THE TIME THE CONTRACTOR COMMENCES WORK ON THE PROJECT.

22. PARKING OF CONSTRUCTION EQUIPMENT:

AT NIGHT AND DURING ALL OTHER PERIODS OF TIME WHEN EQUIPMENT IS NOT BEING ACTIVELY USED FOR THE CONSTRUCTION WORK, THE CONTRACTOR SHALL PARK THE EQUIPMENT AT LOCATIONS, WHICH ARE APPROVED BY THE COUNTY. DURING THE CONSTRUCTION OF THE PROJECT, THE CONTRACTOR SHALL COMPLY WITH THE PRESENT ZONING REQUIREMENTS OF THE GOVERNING AUTHORITIES IN THE USE OF VACANT PROPERTY FOR STORAGE PURPOSES. THE CONTRACTOR SHALL ALSO PROVIDE ADEQUATE BARRICADES, MARKERS AND LIGHTS TO PROTECT THE COUNTY, THE GOVERNING AUTHORITIES, THE PUBLIC AND THE OTHER WORK. ALL BARRICADES, LIGHTS, AND MARKERS MUST MEET THE REQUIREMENTS OF THE GOVERNING AUTHORITIES' REGULATIONS.

23. WATER FOR CONSTRUCTION:

THE CONTRACTOR SHALL MAKE THE NECESSARY ARRANGEMENTS FOR PURCHASING WATER FROM THE GOVERNING AUTHORITY FOR HIS USE ON THE PROJECT SITE. COSTS ASSOCIATED WITH THIS SERVICE SHALL BE INCLUDED IN THE CONTRACT AMOUNT.

24. TEMPORARY ELECTRIC AND COMMUNICATIONS FOR CONSTRUCTION:

THE CONTRACTOR SHALL MAKE THE NECESSARY ARRANGEMENTS FOR INSTALLATION AND PURCHASING OF TEMPORARY ELECTRIC AND COMMUNICATIONS SERVICES FROM THE GOVERNING AUTHORITIES FOR HIS USE ON THE PROJECT SITE. COSTS ASSOCIATED WITH THESE SERVICES SHALL BE INCLUDED IN THE CONTRACT

25. FENCES:

ALL FENCES ENCOUNTERED AND REMOVED DURING CONSTRUCTION, EXCEPT THOSE DESIGNATED TO BE REMOVED OR RELOCATED, SHALL BE RESTORED TO THEIR ORIGINAL OR BETTER THAN CONDITION UPON COMPLETION OF THE PROJECT. WHERE WIRE FENCING, EITHER WIRE MESH OR BARBED WIRE, IS TO BE CROSSED, THE CONTRACTOR SHALL SET CROSS—BRACED POSTS ON EITHER SIDE OF THE CROSSING. TEMPORARY FENCING SHALL BE ERECTED IN PLACE OF THE FENCING REMOVED WHENEVER THE WORK IS NOT IN PROGRESS. AND WHEN THE SITE IS VACATED OVERNIGHT AND/OR AT ALL TIMES TO PREVENT PERSONS AND/OR LIVESTOCK FROM ENTERING THE CONSTRUCTION AREA. THE COST OF FENCE REMOVAL, TEMPORARY CLOSURES, AND REPLACEMENT SHALL BE INCLUDED IN THE CONTRACT AMOUNT.

WHERE EXISTING DRAINAGE CHANNELS ARE TEMPORARILY DISTURBED OR BLOCKED DURING CONSTRUCTION, IT SHALL BE RESTORED TO ITS ORIGINAL CONDITION, GRADE, AND CROSS SECTION AFTER CONSTRUCTION IS COMPLETED.

27. COORDINATION WITH OTHERS:

IN THE EVENT THAT OTHER CONTRACTORS ARE DOING WORK IN THE SAME AREA SIMULTANEOUSLY WITH THE PROJECT, THE CONTRACTOR SHALL COORDINATE HIS PROPOSED CONSTRUCTION WITH THAT OF THE OTHER CONTRACTORS.

28. CONDITION OF SITE DURING CONSTRUCTION:

DURING CONSTRUCTION OF THE WORK, THE CONTRACTOR SHALL, AT ALL TIMES, KEEP THE SITE OF THE WORK AND ADJACENT PREMISES AS FREE FROM MATERIAL, DEBRIS AND RUBBISH AS IS PRACTICABLE AND SHALL REMOVE SAME FROM ANY PORTION OF THE SITE IF, IN THE OPINION OF THE COUNTY, SUCH MATERIAL, DEBRIS, OR RUBBISH CONSTITUTES A NUISANCE OR IS OBJECTIONABLE. IN CASE OF FAILURE ON THE PART OF THE CONTRACTOR UNDER HIS CONTRACT, OR WHERE SUFFICIENT CONTRACT FUNDS ARE UNAVAILABLE FOR THIS PURPOSE, THE CONTRACTOR OR HIS SURETY SHALL REIMBURSE THE COUNTY FOR ALL SUCH COSTS.

29. EXISTING ROADWAYS:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE CLEANLINESS OF EXISTING PAVED ROADS. ALL COSTS ASSOCIATED WITH MAINTAINING THE CLEANLINESS OF EXISTING ROADS SHALL BE INCLUDED IN THE CONTRACT AMOUNT.

THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO CONTROL DUST ON THE PROJECT SITE BY SPRINKLING OF WATER, OR ANY OTHER METHODS APPROVED BY THE GOVERNING AUTHORITIES, AND SHALL PROVIDE ALL EQUIPMENT AND PERSONNEL REQUIRED TO PREVENT DUST FROM BECOMING A NUISANCE TO THE ADJACENT PROPERTIES.

31. CLEAN-UP FOR FINAL ACCEPTANCE:

THE CONTRACTOR SHALL MAKE A FINAL CLEAN UP OF ALL PARTS OF THE WORK BEFORE ACCEPTANCE BY THE COUNTY. THIS CLEAN UP SHALL INCLUDE REMOVAL OF ALL OBJECTIONABLE MATERIALS AND, IN GENERAL, PREPARING THE SITE OF THE WORK IN AN ORDERLY MANNER OF APPEARANCE.

32. REMOVAL OF DEFECTIVE AND UNAUTHORIZED WORK:

ALL WORK WHICH HAS BEEN REJECTED SHALL BE REPAIRED, OR IF IT CANNOT BE REPAIRED SATISFACTORILY, IT SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE. DEFECTIVE MATERIALS SHALL BE IMMEDIATELY REMOVED FROM THE WORK SITE. WORK DONE BEYOND THE LINE OR NOT IN CONFORMITY WITH THE GRADES SHOWN ON THE DRAWINGS OR AS PROVIDED, WORK DONE WITHOUT REQUIRED INSPECTION, OR ANY EXTRA OR UNCLASSIFIED WORK DONE WITHOUT WRITTEN AUTHORITY AND PRIOR AGREEMENT IN WRITING AS TO PRICES SHALL BE AT THE CONTRACTOR'S RISK, WILL BE CONSIDERED UNAUTHORIZED, AND AT THE OPTION OF THE COUNTY MAY NOT BE MEASURED AND PAID FOR AND MAY BE ORDERED REMOVED AT THE CONTRACTOR'S EXPENSE. UPON FAILURE OF THE CONTRACTOR TO REPAIR SATISFACTORILY OR TO REMOVE AND REPLACE, IF SO DIRECTED, REJECTED, UNAUTHORIZED OR CONDEMNED WORK OR MATERIALS IMMEDIATELY AFTER RECEIVING NOTICE FROM THE COUNTY, THE COUNTY WILL, AFTER GIVING WRITTEN NOTICE TO THE CONTRACTOR, HAVE THE AUTHORITY TO CAUSE DEFECTIVE WORK TO BE REMEDIED OR REMOVED AND REPLACED, OR TO CAUSE UNAUTHORIZED WORK TO BE REMOVED AND TO DEDUCT THE COST THEREOF FROM ANY MONIES DUE OR TO BECOME DUE THE CONTRACTOR.

33. DISPOSITION AND DISPOSAL OF EXCESS AND UNSUITABLE MATERIALS:

ALL MATERIALS TO BE REMOVED FROM THE SITE INCLUDING BUT NOT LIMITED TO EXCESS MATERIAL AND UNSUITABLE MATERIALS SUCH AS CONCRETE, ASPHALT, LARGE ROCKS, REFUSE, AND OTHER DEBRIS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE PROJECT AT THE CONTRACTOR'S EXPENSE. CONTRACTOR SHALL ALSO COMPLY WITH ALL APPLICABLE LAWS GOVERNING SPILLAGE OF DEBRIS WHILE TRANSPORTING TO A DISPOSAL SITE.

THE CONTRACTOR SHALL PROVIDE SEEDING, WATERING, FERTILIZING AND REQUIRED MAINTENANCE FOR THE GRASSING OF ALL UNPAVED AREAS OF DEDICATED RIGHT-OF-WAY, EASEMENTS, AND ALL OTHER DISTURBED AREAS OF CONSTRUCTION. SEEDING SHALL ALSO BE PROVIDED IN CONFORMANCE WITH THE REQUIREMENT OF THE PROJECT STORM WATER POLLUTION PREVENTION PLAN IN ORDER TO ESTABLISH A GRASS COVER ON DISTURBED AREAS SUBJECTED TO THE EROSION OF THE SOIL SURFACE.

35. RECORD DRAWINGS:

OR AS DIRECTED BY KAUFMAN COUNTY.

THE CONTRACTOR SHALL MAINTAIN AN ACCURATE RECORD OF THE INSTALLATION OF ALL MATERIALS AND SYSTEMS COVERED BY THE PROJECT CONTRACT DOCUMENTS. THESE RECORD PRINTS WILL BE REVIEWED BY THE COUNTY EACH MONTH PRIOR TO THE PRELIMINARY REVIEW OF THE CONTRACTOR'S REQUEST FOR PAYMENT. IF THE DRAWINGS ARE NOT COMPLETE, ACCURATE AND UP-TO DATE, THE COUNTY WILL NOT ACCEPT THE PAYMENT REQUEST. THE COMPLETED SET OF "RECORD" DRAWINGS MUST BE DELIVERED TO THE COUNTY BEFORE REQUESTING FINAL PAYMENT.

36. GENERAL NOTES:

A. CONTRACTOR'S PERSONNEL SHALL WEAR IDENTIFYING CLOTHING OR HATS AT ALL TIMES.

MATERIALS FROM EXCAVATION INCLUDING DIRT, TRASH, ETC. SHALL BE PROPERLY DISPOSED.

- B. CONTRACTOR SHALL VERIFY THE ELEVATION, CONFIGURATION, AND ANGULAITON OF EXISTING LINES PRIOR TO CONSTRUCTION OR ACQUIRING OF MATERIALS. SUCH VERIFICATION SHALL BE CONSIDERED AS SUBSIDIARY TO THE COST OF PROJECT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- C. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH KAUFMAN COUNTY STANDARDS, EXCEPT WHERE MODIFIED IN THESE PLANS OR IN THE SPECIAL CONDITIONS OF THE CONTRACT DOCUMENTS.
- D. THE CONTRACTOR SHALL REMOVE FROM THE PROJECT AREA ALL SURPLUS MATERIAL. THIS SHALL BE INCIDENTAL AND NOT A SEPARATE PAY ITEM. SURPLUS
- E. IN THE EVENT A STREET IS TO BE CLOSED AND/OR TRAFFIC IS TO BE REROUTED DURING CONSTRUCTION OF THE PROJECT, THE CONTRACTOR WILL HAVE THE SOLE RESPONSIBILITY OF SUBMITTING A TRAFFIC CONTROL PLAN DIRECTLY TO THE COUNTY FOR APPROVAL.
- F. ALL CONSTRUCTION SHALL BE COMPLIANT WITH THE STANDARDS IN THE CURRENT VERSION OF THE KAUFMAN COUNTY SUBDIVISION AND LAND DEVELOPMENT
- STANDARDS. G. ALL EXISTING PAVEMENTS, STRUCTURES, UTILITIES, WALKS, ETC. WHICH ARE INTENDED TO REMAIN AND ARE DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR WITHOUT ADDITIONAL COMPENSATION. ALL ITEMS SHALL BE RESTORED TO EXISTING OR BETTER CONDITION AS PER STANDARD DRAWINGS
- H. ANY CONSTRUCTION ITEM OR REQUIRED WORK SHOWN ON THESE PLANS FOR WHICH THERE IS NO SPECIFIC BID ITEM IN PROPOSAL SHALL BE CONSIDERED SUBSIDIARY TO THE OTHER BID ITEMS AND NO SEPARATE PAYMENT SHALL BE MADE.
- I. ALL FILL AREAS WITHIN THE RIGHT-OF-WAY SHALL BE COMPACTED TO 95% STANDARD PROCTOR DENSITY IN ACCORDANCE WITH ASTM D698 AT, OR UP TO 5 PERCENTAGE POINTS ABOVE, OPTIMUM MOISTURE CONTENT, UNLESS OTHERWISE STATED IN PLANS.
- J. CONTRACTOR SHALL PROVIDE. CONSTRUCT. AND MAINTAIN AT ALL TIMES. BARRICADES. SIGNS. DETOURS. FLAG-MEN. SIGNALS. ETC. IN ACCORDANCE WITH THE MOST RECENT BARRICADE AND CONSTRUCTION STANDARDS FROM THE 2011 TEXAS MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES — REVISION 2, PART VI. IN ADDITION, CONTRACTOR SHALL PROVIDE AND MAINTAIN SUCH OTHER BARRICADES AND SIGNS AS DIRECTED BY KAUFMAN COUNTY.
- K. THE CONTRACTOR SHALL ENSURE THAT FIRE HYDRANTS REMAIN ACCESSIBLE TO FIRE TRUCKS AT ALL TIMES DURING CONSTRUCTION.
- L. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING ALL EXISTING VALVE COVERS, MANHOLES, AND OTHER SURFACE APPURTENANCES THAT WILL REMAIN IN SERVICE WHICH WILL BE AFFECTED BY GRADE CHANGES.

date revision



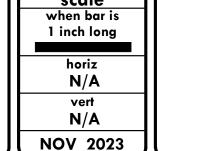
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BPELS: ENGR F-230; SURV 10011600, 10011601, 10194381 GBPE: PEF007431; TBAE: BR 2673





KAUFMAN COUNTY 100 W. MULBERRY ST

KAUFMAN TX, 75142 PH: 469-376-4100

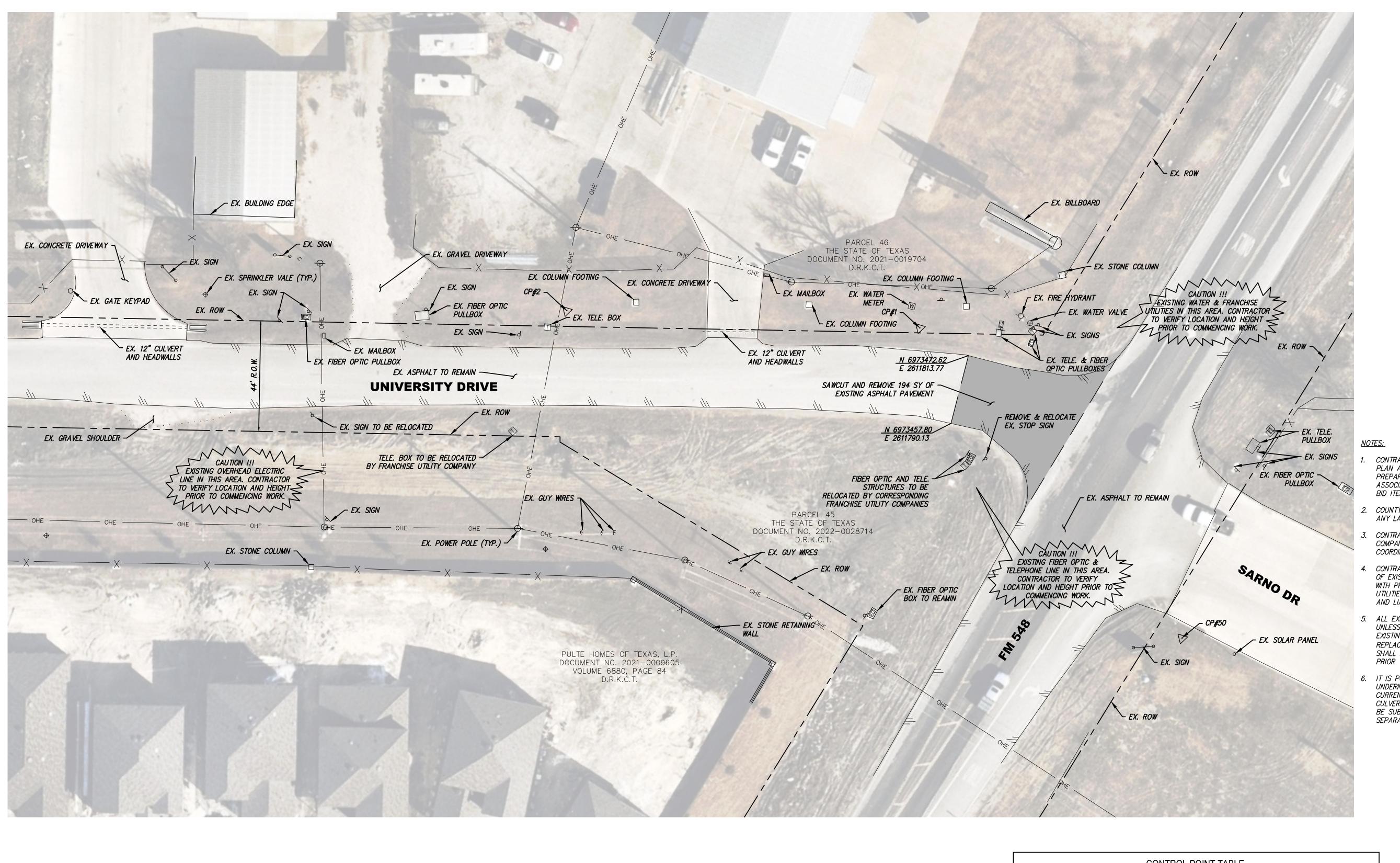
KAUFMAN, TEXAS Improvements for

UNIVERSITY DRIVE TURN LANE

GENERAL NOTES

tnp project

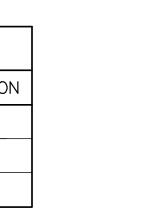
KFM 23019



	LEGEND
	ASPHALT LINE
\triangle	CONTORL POINT
-6-	FIRE HYDRANT
X	FENCE LINE
(GUY WIRES
ОНЕ	OVERHEAD ELECTRIC
Ø	POWER POLE
	R.O.W LINE
þ	SIGN
\boxtimes	SPRINKLER VALVE
	EX. STORM DRAIN
W	WATER METER
\otimes	WATER VALVE

- CONTRACTOR SHALL PREPARE TEMPORARY TRAFFIC CONTROL PLAN AND COORDINATE WITH COUNTY FOR APPROVAL. PREPARATION OF PLAN, MATERIALS REQUIRED, AND ALL ASSOCIATED LABOR SHALL BE INCLUDED IN TRAFFIC CONTROL BID ITEM.
- 2. COUNTY MUST BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO ANY LANE CLOSURES.
- 3. CONTRACTOR SHALL COORDINATE WITH ALL FRANCHISE UTILITY COMPANIES REGARDING NECESSARY RELOCATIONS. COORDINATION WILL BE SUBSIDIARY TO OTHER BID ITMES.
- 4. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING LOCATIONS OF EXISTING UNDERGROUND UTILITIES TO IDENTIFY CONFLICTS WITH PROPOSED IMPROVEMENTS. ANY DAMAGE TO EXISTING UTILITIES DUE TO CONSTRUCTION SHALL BE THE RESPONSIBILITY AND LIABILITY OF THE CONTRACTOR.
- 5. ALL EXISTING ITEMS AND STRUCTURES SHALL REMAIN IN PLACE UNLESS SPECIFICALLY SHOWN FOR REMOVAL IN PLANS. ANY EXISTING ITEMS DAMAGED DUE TO CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. REPLACEMENTS SHALL BE OF EQUAL OR BETTER QUALITY AS EXISTING ITEMS PRIOR TO START OF CONSTRUCTION.
- 6. IT IS POSSIBLE THAT THERE IS AN EXISTING CULVERT BURIED UNDERNEATH THE PAVEMENT REMOVAL LIMITS WHICH IS NOT CURRENTLY VISIBLE. IF THE CONTRACTOR SHOULD FIND BURIED CULVERT, REMOVAL AND DISPOSAL OF EXISTING CULVERT SHALL BE SUBSIDIARY TO PAVEMENT REMOVAL BID ITEM WITH NO SEPARATE PAY.

		CONTROL POINT	TABLE	
POINT #	NORTHING	EASTING	DESCRIPTION	ELEVATION
1	6973493.98	2611807.24	5/8" CAPPED IRON ROD SET "TNP CONTROL"	521.36
2	6973595.71	2611709.89	5/8" CAPPED IRON ROD SET "TNP CONTROL"	519.53
50	6973332.41	2611798.01	5/8" CAPPED IRON ROD SET "TNP CONTROL"	519.98



revision

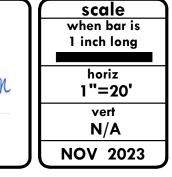


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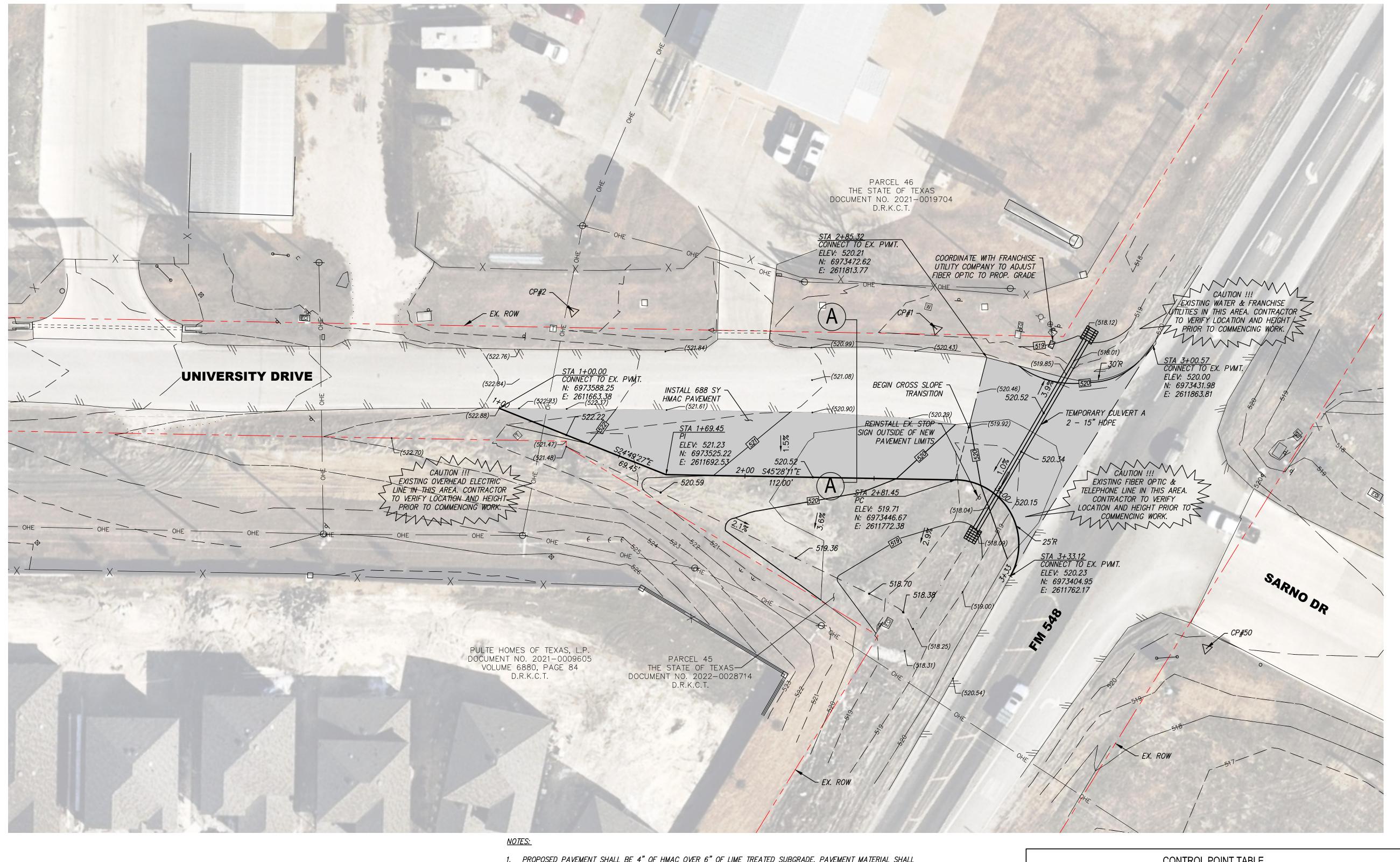
KAUFMAN, TEXAS

Improvements for

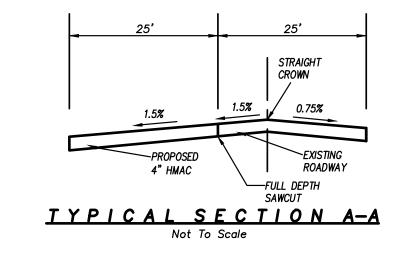
UNIVERSITY DRIVE TURN LANE **DEMOLITION PLAN**

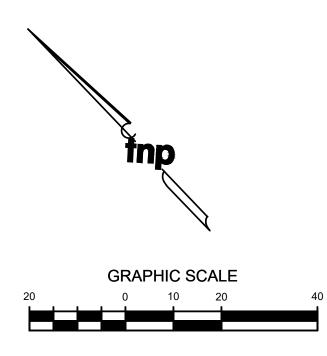
KFM 23019

GRAPHIC SCALE



LEGEND PROP. 4" HMAC PAVEMENT ASPHALT LINE CONTORL POINT FIRE HYDRANT FENCE LINE **GUY WIRES** OVERHEAD ELECTRIC POWER POLE R.O.W LINE SIGN SPRINKLER VALVE EX. STORM DRAIN PROP. STORM DRAIN WATER METER WATER VALVE SAWCUT EXISTING SPOT GRADE PROPOSED SPOT GRADE EXISTING MAJOR CONTOUR **EXISTING MINOR CONTOUR** PROP. MAJOR CONTOUR PROP. MINOR CONTOUR





- 1. PROPOSED PAVEMENT SHALL BE 4" OF HMAC OVER 6" OF LIME TREATED SUBGRADE. PAVEMENT MATERIAL SHALL COMPLY WITH CURRENT STANDARDS IN KAUFMAN COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS.
- 2. ALL GRADING OF UNPAVED AREAS SHOWN ON THE PLANS SHALL BE INCLUDED IN THE BID ITEM FOR ROADWAY DITCH GRADING.
- 3. ANY FILL MATERIAL REQUIRED UNDERNEATH PAVED AREAS TO ACHIEVE THE PROPOSED GRADES SHOWN SHALL BE SUBSIDIARY TO THE BID ITEM FOR THE PROPOSED PAVEMENT.
- 4. SEEDING OF ALL DISTURBED AREAS SHALL BE INCLUDED IN BID ITEM FOR RESTORATION OF RIGHT OF WAY AND SHALL COMPLY WITH NCTCOG STANDARDS AND SPECIFICATIONS.

		CONTROL POINT	TABLE	
POINT #	NORTHING	EASTING	DESCRIPTION	ELEVATION
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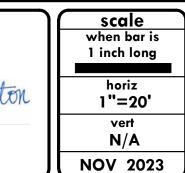


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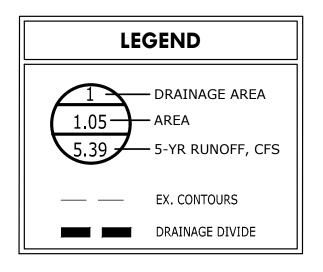
KAUFMAN, TEXAS

Improvements for UNIVERSITY DRIVE TURN LANE

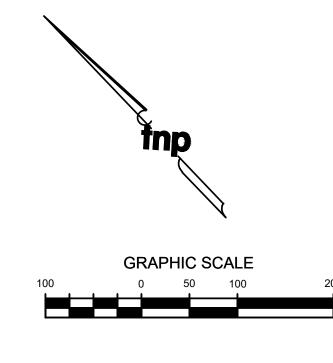
PAVING AND GRADING

KFM 23019





Drainago	Area (AC)	TC (min)	С		5 Year
ID	Area (Ae)	TC (IIIIII)	Ü	I (in/hr)	Q (cfs)
DA1	12.6	10	0.4	4.80	24.19
	1 7	10	0.65	4.80	5 30



l no.	revision	hv	date



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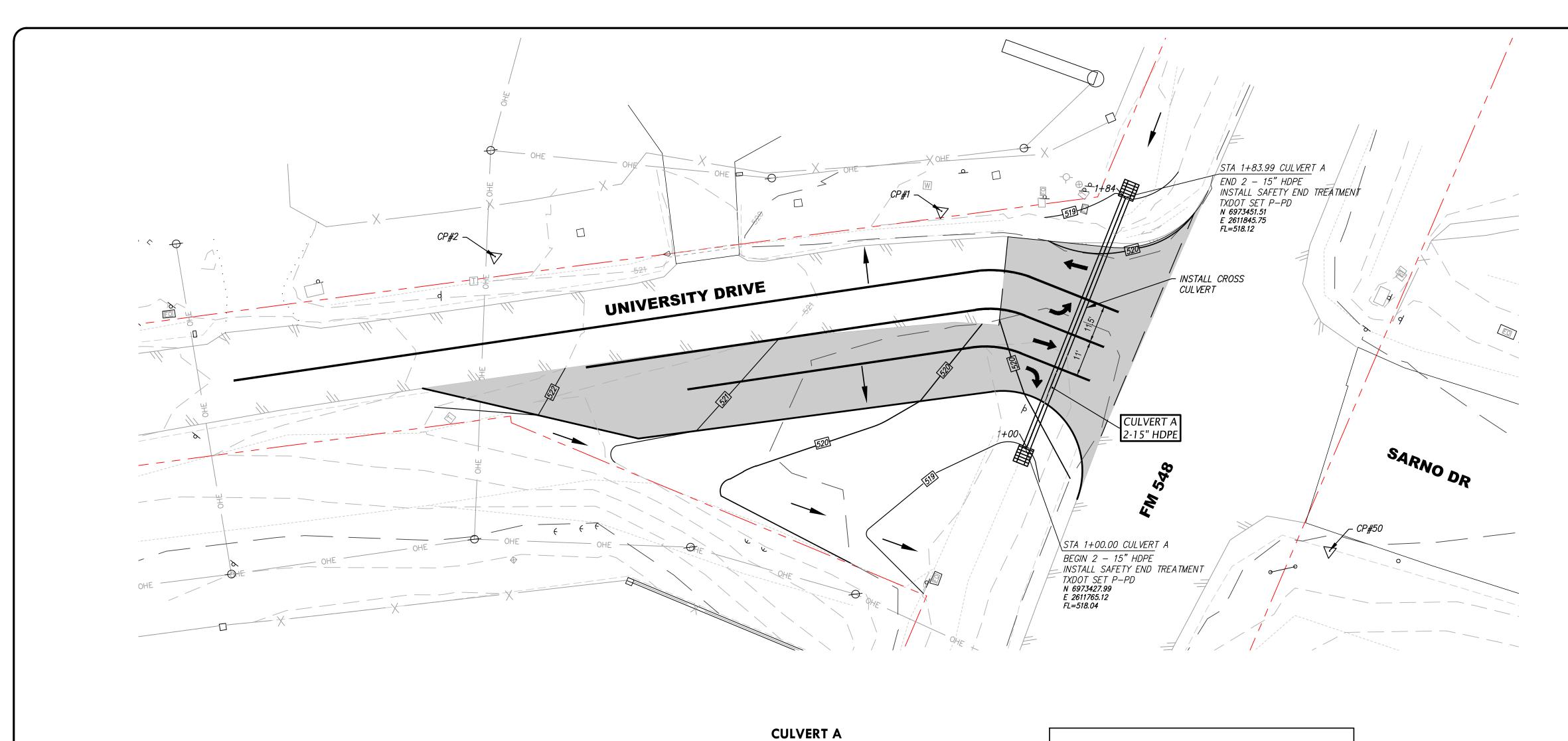
KAUFMAN COUNTY

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KAUFMAN,	TEXA

UNIVERSITY DRIVE TURN LANE DRAINAGE AREA MAP

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KFM 23019



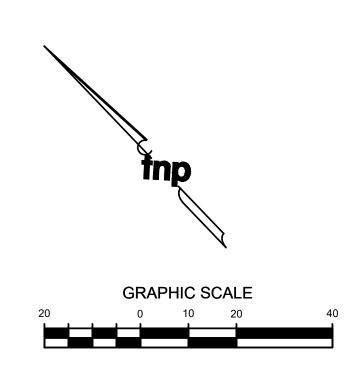
* DRAINAGE CALCULATIONS
SHOWN ARE FOR 5 YEAR EVENT.
OVER TOPPING OF 0.19'

	LEGEND
	PROP. HMAC PAVEMENT
	ASPHALT LINE
\triangle	CONTORL POINT
-6-	FIRE HYDRANT
X	FENCE LINE
(GUY WIRES
—— ОНЕ ——	OVERHEAD ELECTRIC
Ø	POWER POLE
	R.O.W LINE
þ	SIGN
	SPRINKLER VALVE
=====	EX. STORM DRAIN
	PROP. STORM DRAIN
W	WATER METER
\otimes	WATER VALVE
	SAWCUT
(500.00)	EXISTING SPOT GRADE
500.00	PROPOSED SPOT GRADE
<u> </u>	EXISTING MAJOR CONTOU
— -500 — —	EXISTING MINOR CONTOU
500	PROP. MAJOR CONTOUR
500	PROP. MINOR CONTOUR

NOTES:

1. CULVERT A IS DESIGNED AS A TEMPORARY CULVERT UNTIL WIDENING OF FM 548 IS COMPLETED AND PERMANENT CULVERT IS DESIGNED AND CONSTRUCTED.

		CONTROL POINT	TABLE	
POINT #	NORTHING	EASTING	DESCRIPTION	ELEVATION
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no.	revision	by	date



530

EXISTING GROUND @ & OF CULVERTS

520 T.W. ELEV. 519.51'

0+25

PROPOSED GROUND @ &
OF CULVERTS

PROP 2 - 15" HDPE @ -0.10%-

1+00

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2-15" HDPE

 $Q_5 = 24.19 \text{ cfs}$ s = 0.0012 ft/ftv = 4.91 fps

H.W. ELEV. 520.04'

2+00

5YR HGL

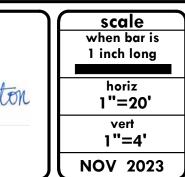
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520

2+50



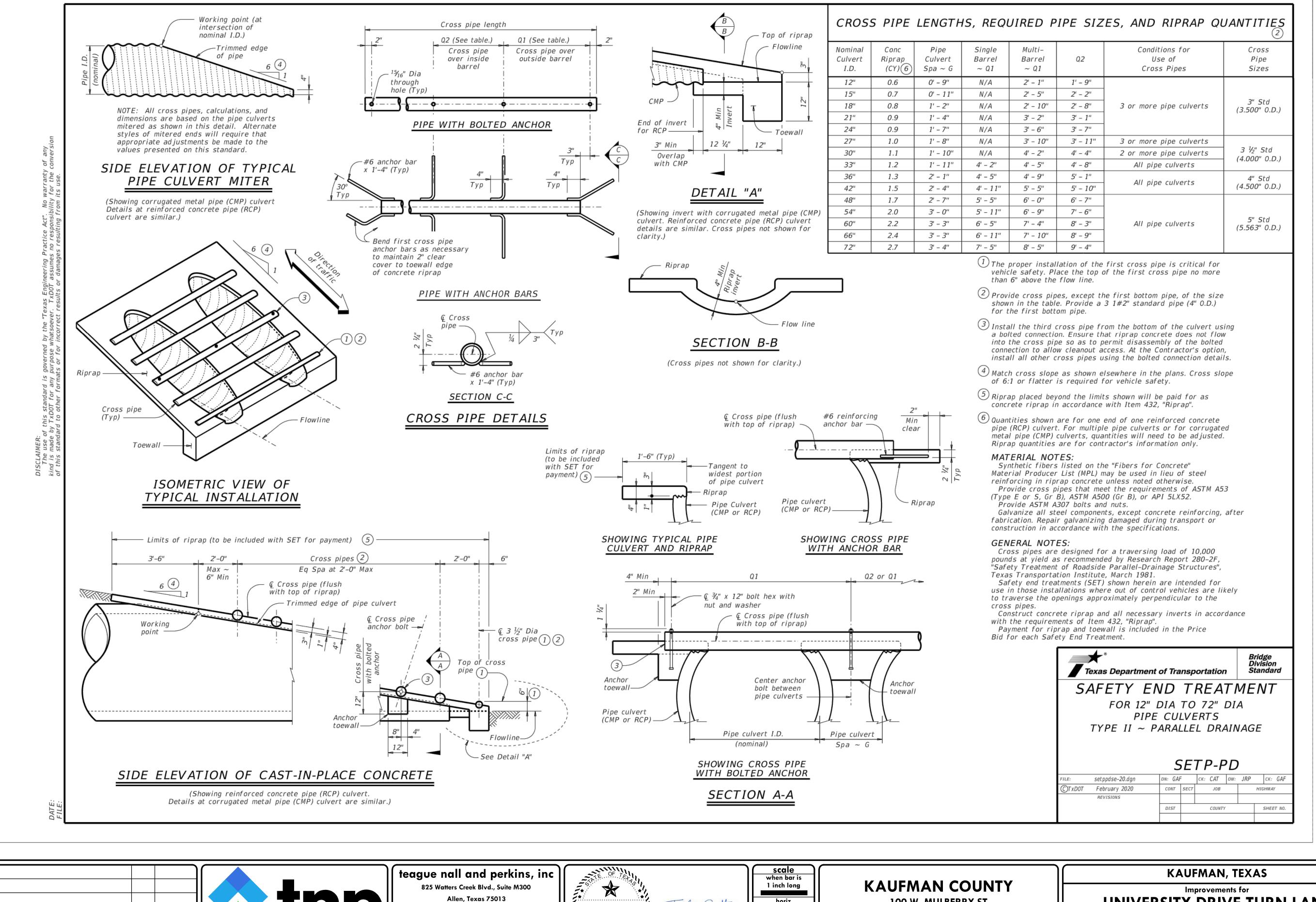
KAUFMAN COUNTY

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KAUFMAN, TEXAS
Improvements for
UNIVERSITY DRIVE TURN LANE

CULVERT & STRIPING PLAN

tnp project
KFM 23019
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TAYLOR SUTTON

125514

Date: 11/09/2023

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NOV 2023

UNIVERSITY DRIVE TURN LANE **TXDOT DETAILS**

KFM 23019