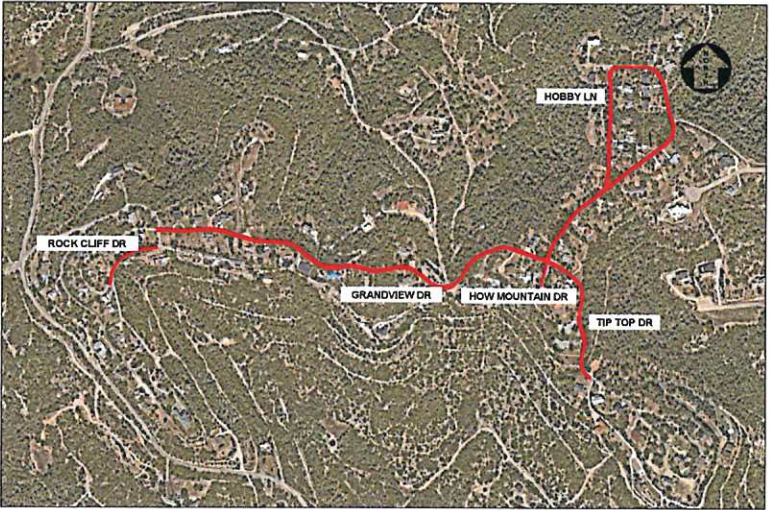


City of Jonestown, Texas 2024 Street Maintenance

City of Jonestown



City Council

Mayor

Paul Johnson

Mayor Pro-Tem

Tom Buckle

City Council Members

- Eric Davis Place 1
- Tom Buckle Place 2
- Bill Nichols Place 3
- David Nelsen Place 4
- Linda Bush Place 5

City Administrator

Steve Jones

Public Works Director

James McCrory

VICINITY MAP
N.T.S.

[Signature]

PUBLIC WORKS DIRECTOR _____ Date



KASBERG, PATRICK & ASSOCIATES, LP
CONSULTING ENGINEERS
GEORGETOWN, TEXAS 78626



[Signature]

03/18/2024

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


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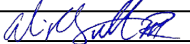
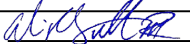
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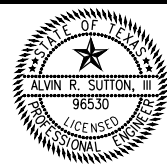
-  PROPOSED SURFACE TREATMENT
-  FH EXISTING FIRE HYDRANT
-  WV EXISTING WATER VALVE
-  MH EXISTING MANHOLE

BID SET

NO.	DATE	REVISION	BY

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KPA Firm Registration Number F-510

PROJECT NO. 2023-184
 DRAWN BY Klint Richardson
 DESIGNED BY 
 APPROVED BY 
 DATE 03/18/2024



KASBERG, PATRICK & ASSOCIATES, LP
 CONSULTING ENGINEERS
 GEORGETOWN, TEXAS 78626
 kpaengineers.com

CITY OF JONESTOWN, TEXAS
 2024 JONESTOWN STREET MAINTENANCE
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0 125 250

HORIZONTAL SCALE IN FEET



ROCK CLIFF DR

GRANDVIEW DR

HOWE MOUNTAIN DR

TIP TOP DR

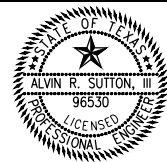
HOBBY LN

BID SET

NO.	DATE	REVISION	BY

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PROJECT NO. 2023-184
 DRAWN BY Klint Richardson
 DESIGNED BY *[Signature]*
 APPROVED BY *[Signature]*
 DATE 03/18/2024



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 CONSULTING ENGINEERS
 GEORGETOWN, TEXAS 78626
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CITY OF JONESTOWN, TEXAS
 2024 JONESTOWN STREET MAINTENANCE
 GENERAL SHEETS
 LOCATION MAP

SHEET NO.
G-03 OF
06 SHEETS

A. BIDDER/CONTRACTOR ELIGIBILITY

- 1. A NON-MANDATORY PRE-BID CONFERENCE WILL BE HELD PRIOR TO BID OPENING FOR THE PROJECT.

B. GENERAL NOTES

- 1. ALL CONSTRUCTION FOR THIS PROJECT SHALL GENERALLY CONFORM TO THE REQUIREMENTS OF THE TEXAS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MAINTENANCE OF HIGHWAYS, STREETS AND BRIDGES (2014 EDITION) UNLESS EXCEPTED OR NOTED ON THESE PLANS.
- 2. ALL BARRICADES, SIGNS AND TRAFFIC CONTROL FOR THIS PROJECT SHALL CONFORM TO THE LATEST EDITION OF THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS.
- 3. THE BIDDERS FOR THIS PROJECT SHALL FAMILIARIZE THEMSELVES WITH ALL REQUIREMENTS OF WORKING IN STATE AND CITY OF JONESTOWN RIGHTS-OF-WAY AND EASEMENTS. THE BIDDERS SHALL FAMILIARIZE THEMSELVES WITH ALL INSURANCE REQUIREMENTS FOR SAID WORK AND SHALL INCLUDE IN THEIR BIDS, INSURANCE COSTS AND INSURANCE PREMIUMS THAT PROVIDE FOR THE STATE OF TEXAS, THE CITY OF JONESTOWN, JONESTOWN REINVESTMENT ZONE 1 AND THE ENGINEER AS ADDITIONAL INSURED UNDER THE CONTRACTOR'S POLICIES.
- 4. THE CONTRACTOR SHALL IF REQUIRED PROVIDE THE CITY OF JONESTOWN WITH A BARRICADE, SIGNING AND TRAFFIC PLAN WHICH WILL INCLUDE HOW TRAFFIC WILL BE HANDLED DURING CONSTRUCTION. THE BARRICADES, SIGNS AND LIGHTS SHALL CONFORM TO THE LATEST EDITION OF THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS. THE PLAN SHALL BE PREPARED BY A TEXAS REGISTERED PROFESSIONAL ENGINEER. STANDARD TRAFFIC CONTROL PLANS HAVE BEEN PROVIDED. SHOULD THE CONTRACTOR CHOOSE TO DEVIATE AND DEVELOP THEIR OWN TRAFFIC CONTROL IT SHALL BE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF TEXAS.
- 5. CONTRACTOR SHALL NOTIFY THE CITY OF JONESTOWN A MINIMUM OF THREE (3) WORKING DAYS (MONDAY-FRIDAY) IN ADVANCE OF CONSTRUCTION STARTUP, FOLLOWED BY A LETTER OF CONFIRMATION. CONTRACTOR SHALL ALSO GIVE A MINIMUM OF THREE (3) WORKING DAYS (MONDAY-FRIDAY) NOTICE TO ALL AUTHORIZED INSPECTORS, SUPERINTENDENTS OR PERSONS IN CHARGE OR PRIVATE AND PUBLIC UTILITIES AFFECTED BY HIS OPERATIONS PRIOR TO COMMENCEMENT OF WORK. THE FOLLOWING ARE TELEPHONE NUMBERS OF THE ENTITIES MOST LIKELY TO BE AFFECTED:

TEXAS ONE CALL	1-800-545-6005
TEXAS EXCAVATION SAFETY SYSTEM	1-800-344-8377
TXU ELECTRIC DELIVERY	1-512-244-5691
ATMOS ENERGY	1-866-332-8667
CITY OF JONESTOWN, TEXAS	1-512-267-3243
CABLEVISION	1-254-778-9441
CENTROVISION	1-254-773-1163
SBC	1-254-954-4102 OR 1-800-669-8344
AT&T	1-800-252-1133
JONESTOWN WATER SUPPLY CORP	1-512-267-744

- 6. LOCATION OF EXISTING UTILITIES SHOWN ON THE PLANS WAS COMPILED FROM RECORD INFORMATION. NO WARRANTY IS IMPLIED AS TO THE ACTUAL LOCATION OF EXISTING UTILITIES. CONTRACTOR TO FIELD VERIFY LOCATIONS OF EXISTING UTILITIES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. CONTRACTOR SHALL CALL THE CITY OF JONESTOWN AT (254) 298-5611. IF THERE ARE ANY CONFLICTS BETWEEN PROPOSED AND EXISTING UTILITIES, OR IF THE EXISTING UTILITIES ARE IN ANY WAY DIFFERENT FROM WHAT IS SHOWN ON THE DRAWINGS, THEN IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE CITY OR OTHER AFFECTED UTILITY BEFORE PROCEEDING WITH ANY CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESOLVING ALL CONFLICTS AT HIS EXPENSE. THE OWNER WILL CONSIDER ANY CONFLICTS AT SAID LOCATIONS ON A CASE BY CASE BASIS IN ORDER TO DETERMINE IF THE CONTRACTOR SHOULD BE REIMBURSED FOR HIS EXPENSE IN SOLVING SAID CONFLICT.
- 7. CONTRACTOR SHALL MAKE ALL DUE PRECAUTIONS TO PROTECT EXISTING FACILITIES FROM DAMAGE. ANY DAMAGE TO EXISTING FACILITIES INCURRED AS A RESULT OF THESE CONSTRUCTION OPERATIONS ARE TO BE REPAIRED IMMEDIATELY BY THE CONTRACTOR TO AT LEAST THE PREEXISTING CONDITION AT NO ADDITIONAL COST TO THE OWNER.
- 8. CONTRACTOR SHALL COORDINATE INTERRUPTIONS OF ALL UTILITIES AND SERVICES WITH ALL APPLICABLE UTILITY COMPANY OR COMPANIES. ALL WORK TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE APPLICABLE UTILITY COMPANY OR AGENCY INVOLVED.
- 9. WHEN UNLOCATED OR INCORRECTLY LOCATED UNDERGROUND PIPING OR A BREAK IN A LINE OR OTHER UTILITIES AND SERVICES ARE ENCOUNTERED DURING SITE WORK OPERATIONS, THE CONTRACTOR SHALL NOTIFY THE APPLICABLE UTILITY COMPANY IMMEDIATELY TO OBTAIN PROCEDURE

DIRECTIONS. CONTRACTOR TO COOPERATE WITH THE APPLICABLE UTILITY COMPANY IN MAINTAINING ACTIVE SERVICES IN OPERATION.

- 10. THE CONTRACTOR SHALL CONTACT THE CITY OF JONESTOWN AT (512) 267-3243 FOR EXISTING UTILITY LOCATIONS PRIOR TO ANY EXCAVATION. IN ADVANCE OF CONSTRUCTION, THE CONTRACTOR IS TO VERIFY THE LOCATIONS OF ALL UTILITIES TO BE EXTENDED, TIED TO OR ALTERED, OR SUBJECT TO DAMAGE/INCONVENIENCE BY THE CONSTRUCTION OPERATIONS. THE CITY OF JONESTOWN WATER AND WASTEWATER MAINTENANCE RESPONSIBILITY ENDS AT RIGHT-OF-WAY/EASEMENT LINES.
- 11. CONTRACTOR SHALL STRIP 6 INCHES OF TOPSOIL FROM ALL AREAS SUBJECT TO GRADE MODIFICATIONS. REMOVE ANY AREA OF WEAK SOIL.
- 12. WITHIN CITY OF JONESTOWN RIGHT-OF-WAY, RESIDENTIAL DRIVEWAYS ARE TO HAVE A 10% MAXIMUM GRADE. NON RESIDENTIAL DRIVEWAYS ARE TO HAVE A 3% MAXIMUM GRADE FOR THE FIRST THIRTY (30) FEET OFF THE EDGE OF PAVEMENT.
- 13. HE CONTRACTOR SHALL PROTECT ALL EXISTING FENCES. IN THE EVENT THAT A FENCE MUST BE REMOVED. THE CONTRACTOR SHALL REPLACE SAID FENCE OR PORTION THEREOF WITH THE SAME TYPE OF FENCING TO A QUALITY OF EQUAL OR BETTER THAN THE ORIGINAL FENCE. THIS WILL NOT BE A SEPARATE PAY ITEM, UNLESS SPECIFICALLY NOTED ON THE CONSTRUCTION DRAWINGS.
- 14. THE CONTRACTOR SHALL MAKE AN EXAMINATION OF THE PROJECT SITE AND COMPLETELY FAMILIARIZE HIMSELF WITH THE NATURE AND EXTENT OF THE WORK TO BE ACCOMPLISHED. NO EXTRA COMPENSATION WILL BE ALLOWED FOR ANY WORK MADE NECESSARY BY UNUSUAL CONDITIONS OR OBSTACLES ENCOUNTERED DURING THE PROGRESS OF THE WORK, WHICH CONDITIONS OR OBSTACLES ARE READILY APPARENT UPON A VISIT TO THE SITE. IF THERE ARE ANY QUESTIONS OF THIS REGARD OR IF THERE ARE ANY DISCREPANCIES BETWEEN THE PLANS AND ACTUAL SITE CONDITIONS THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO THE SUBMISSION OF BIDS.
- 15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF HIS MATERIALS AND EQUIPMENT FROM THEFT, VANDALISM, ANIMALS, FIRE, ETC., WHILE SAID MATERIALS AND EQUIPMENT ARE ON THE PROJECT WHETHER STORED OR INSTALLED IN PLACE, UNTIL THE PROJECT HAS BEEN ACCEPTED BY THE CITY OF JONESTOWN.
- 16. UPON COMPLETION OF THE PROJECT, THE SITE(S) AS DEFINED HEREIN, SHALL BE CLEANED OF ALL DEBRIS AND LEFT IN A NEAT AND PRESENTABLE CONDITION.
- 17. IN THOSE CASES WHERE FIXED FEATURES REQUIRE, THE DESIGN SLOPES INDICATED HEREIN AND ON THE CROSS SECTIONS MAY BE MODIFIED IN THE FIELD AS DETERMINED BY THE ENGINEER IF EXISTING CONDITIONS SO REQUIRE.
- 18. THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT ALL ADJOINING PAVEMENT SECTIONS SHALL BE PROTECTED DURING ALL PHASES OF CONSTRUCTION AND ANY DAMAGES INCURRED DUE TO CONTRACTOR'S OPERATION SHALL BE REPAIRED AND/OR REPLACED AT THE CONTRACTOR'S EXPENSE.
- 19. WHERE EXISTING PAVEMENT ADJOINS NEW PAVEMENT, THE EXISTING PAVEMENT SHALL BE SAWED TO A NEAT TRANSVERSE LINE TO PERMIT ADEQUATE JOINING.
- 20. ACCESS TO OFFICES, BUSINESSES AND DRIVEWAYS ALONG THE PROJECT MUST RECEIVE PRIORITY BY THE CONTRACTOR.
- 21. EXISTING PAVING, BUILDINGS AND OTHER ITEMS SHOWN ON THE PLANS ARE NOT SPECIFICALLY RELATED TO THE WORK OF THE CONTRACTOR AND IS FOR INFORMATION ONLY, UNLESS OTHERWISE NOTED.
- 22. THE PROCUREMENT AND TRANSPORTATION OF WATER REQUIRED FOR INCLUSION IN THE PROJECT IS THE RESPONSIBILITY OF THE CONTRACTOR.

C. CONSTRUCTION LAYOUT/PROJECT COORDINATION

- 1. CONTRACTOR SHALL LOCATE, PROTECT AND MAINTAIN BENCHMARKS, MONUMENTS AND CONTROL POINTS. RE-ESTABLISHMENT OF DISTURBED OR DESTROYED ITEMS SHALL BE ACCOMPLISHED BY A TEXAS REGISTERED PROFESSIONAL LAND SURVEYOR AT NO COST TO THE OWNER.
- 2. PRE-CONSTRUCTION CONFERENCE
 - A. PRIOR TO BEGINNING WORK ON THE PROJECT AND SOON AFTER THE AWARD OF THE CONTRACT, A CONFERENCE WILL BE HELD AMONG THE REPRESENTATIVES OF THE CITY OF JONESTOWN, THE ENGINEER, THE CONTRACTOR AND ANY SUBCONTRACTOR THAT WILL BE INVOLVED IN THE WORK. AT THAT TIME THE CONTRACTOR SHALL SUBMIT CHARTS OR BRIEFS, OUTLINING THE MANNER OF EXECUTION OF THE WORK THAT IS INTENDED IN ORDER TO COMPLETE THE SPECIFIED WORK WITHIN THE ALLOTTED TIME. THIS CONFERENCE WILL MORE COMPLETELY ESTABLISH THE SEQUENCE OF WORK TO BE FOLLOWED AND ESTABLISH THE ESTIMATED PROGRESS SCHEDULE FOR COMPLETION OF THE VARIOUS TASKS. WHEN APPLICABLE, THE PRE-CONSTRUCTION CONFERENCE WILL BE HELD ONLY AFTER

INSTALLATION OF THE EROSION AND SEDIMENTATION CONTROLS. THIS CONFERENCE SHOULD TAKE PLACE ON THE SITE TO DEMONSTRATE COMPETENCE WITH THE EROSION AND SEDIMENTATION CONTROL PLAN AND WATER POLLUTION ABATEMENT PLAN.

- B. IN ADDITION, AT THIS CONFERENCE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING THE ENGINEER WITH ALL OF THE FOLLOWING, AS SPECIFIED HEREIN OR AS DIRECTED BY THE ENGINEER:
 - a. SAMPLES OF ALL MATERIALS TO BE USED ON THE PROJECT WITH IDENTIFICATION AS TO PRODUCT NAME; NAME, LOCATION, PHONE NUMBER (INCLUDING AREA CODE) AND MAILING ADDRESS OF PRODUCT SOURCE AND MANUFACTURER, IF DIFFERENT FROM SOURCE; CONTENT OF PRODUCT; AMOUNT OF EACH INGREDIENT IN THE PRODUCT, AND MANUFACTURER'S DIRECTIONS AS TO USE AND APPLICATION OF THE PRODUCT, IF APPLICABLE.
 - b. MANUFACTURER'S LITERATURE OF ALL MATERIALS AND EQUIPMENT INSTALLED ON THE PROJECT.
- 3. THE PLANS FOR THIS PROJECT SHOW PROPOSED ELEVATIONS, SLOPES AND DIMENSIONS THAT ARE INTENDED FOR ACTUAL PLACEMENT. HOWEVER, THERE MAY BE SOME INSTANCES WHERE EXISTING CONDITIONS MAKE IT IMPRACTICAL TO ACHIEVE THE IDEAL. IN THOSE INSTANCES, THE ENGINEER WILL ASSIST THE CONTRACTOR IN MAKING PROPER FIELD CHANGES TO BETTER ACCOUNT FOR FIELD CONDITIONS.
- 4. THE CONTRACTOR FOR THE PROJECT WILL MARK THE LIMITS OF CONSTRUCTION AND RIGHT-OF-WAY PRIOR TO COMMENCEMENT OF THE PROJECT. PRIVATE PROPERTY SHALL BE OFF LIMITS UNLESS WRITTEN PERMISSION IS GIVEN TO THE CONTRACTOR BY THE OWNER. THE CITY OF JONESTOWN WILL NOT BE RESPONSIBLE FOR ANY CONTRACTOR OPERATIONS OFF OF THE PROJECT SITE.

D. STORM WATER NOTES




- 1. STORM WATER AND DRAIN LINES SHALL BE AS FOLLOWS.
 - A. ALL PIPES 18-INCHES OR GREATER IN DIAMETER SHALL BE C-76 CLASS III REINFORCED CONCRETE PIPE, UNLESS OTHERWISE NOTED.
 - B. ALL PIPE JOINTS SHALL BE WRAPPED AND SECURED AROUND EACH JOINT WITH AN 18-INCH WIDE STRIP OF MARFI-140-N OR APPROVED EQUIVALENT.
- 2. DO NOT EXCEED MANUFACTURER'S RECOMMENDATION FOR CURVATURE OF LINES AND/OR DEFLECTION OF PIPE JOINTS. INSTALL JOINTS OR FITTINGS AS REQUIRED. CONTRACTOR SHALL NOT USE BEND OR WYES.
- 3. THROUGHOUT THE CONSTRUCTION, AND THE COMPLETION OF CONSTRUCTION, THE CONTRACTOR IS TO ASSURE THAT DRAINAGE OF STORM WATER RUNOFF IS NOT BLOCKED.
- 4. PRIOR TO FINAL ACCEPTANCE, ALL NEW STORM SEWER STRUCTURES AND STORM SEWER PIPE SHALL BE CLEANED OUT BY THE CONTRACTOR. THIS WORK WILL NOT BE PAID FOR DIRECTLY BUT SHALL BE CONSIDERED AS SUBSIDIARY TO THE VARIOUS BID ITEMS.

E. SITE GRADING/CONNECTION NOTES

- 1. CONTRACTOR SHALL CONTROL DUST CAUSED BY THE WORK AND COMPLY WITH POLLUTION CONTROL REGULATIONS OF GOVERNING AUTHORITIES. THIS SHALL BE SUBSIDIARY TO THE PROJECT.
- 2. CONTRACTOR SHALL REMOVE BUILT UP MATERIAL ON ADJACENT PUBLIC ROADWAYS RESULTING FROM HIS WORK. CLEANING TO BE AT LEAST ONCE A DAY. THIS SHALL BE SUBSIDIARY TO THE PROJECT.
- 3. CONTRACTOR SHALL NOT STOCKPILE MATERIAL WITHIN THE 100 YEAR FLOOD PLAIN.
- 4. THIS PROJECT IS A UNIT PRICE PROJECT AND PAYMENTS SHALL BE MADE AT THE UNIT PRICE AND QUANTITY FOR ITEMS CONSTRUCTED AND/OR INSTALLED.
- 5. THE SUCCESSFUL CONTRACTOR SHALL DEVELOP A PROJECT SCHEDULE FOR THE PROJECT IN PRIMAVERA, MICROSOFT OFFICE, EXCEL, OR OTHER SOFTWARE THAT ILLUSTRATES THE TASKS TO COMPLETE THE PROJECT WITH A CRITICAL PATH. THE SCHEDULE SHALL BE MAINTAINED THROUGHOUT THE PROJECT AND THE CONTRACTOR SHALL BE PREPARED TO REVIEW AND DISCUSS THE SCHEDULE AT THE CONSTRUCTION PROGRESS MEETINGS. CONSTRUCTION PROGRESS MEETINGS WILL BE HELD AT A MINIMUM OF ONCE PER MONTH AND THE CITY RESERVES THE RIGHT TO HAVE CONSTRUCTION PROGRESS MEETINGS AS REGULARLY AS THEY DEEM NECESSARY. THIS SHALL BE SUBSIDIARY TO THE PROJECT.
- 6. ALL HYDRO MULCH ON THIS PROJECT SHALL BE INSTALLED UTILIZING HIGH PERFORMANCE - FLEXIBLE GROWTH MEDIUM. THE SPECIFICATION FOR HIGH PERFORMANCE - FLEXIBLE GROWTH MEDIUM IS INCLUDED IN THE SPECIFICATIONS AND CONTRACT DOCUMENT BOOK FOR THIS PROJECT. ALL ELEMENTS OF THE SPECIFICATION SHALL BE PERFORMED AND INCLUDED IN THE PROJECT. ALL BID ITEMS FOR FURNISHING AND INSTALLING HYDRO-MULCH

SHALL INCLUDE HIGH PERFORMANCE - FLEXIBLE GROWTH MEDIUM, WATER TO ESTABLISH AND MAINTAIN GRASS AND FINAL MOWING PRIOR TO ACCEPTANCE.

- 7. ALL STORAGE AREAS FOR MATERIALS AND EQUIPMENT OR OTHER AREAS DISTURBED BY THE CONTRACTOR IN THE CONSTRUCTION OF THIS PROJECT THAT ARE OUTSIDE OF THE AREA TO REMAIN NON-VEGETATED SHALL BE RE-VEGETATED AT NO EXPENSE TO THE CITY.
- 8. THE CONTRACTOR SHALL NOTIFY AFFECTED PROPERTY OWNERS A MINIMUM OF 1 WEEK PRIOR TO THE START OF CONSTRUCTION IN AND AROUND THEIR RESPECTIVE PROPERTIES.
- 9. INCLUDED WITH THE DESIGN PACKAGE ARE THE DESIGN AUTOCAD FILES THAT INCLUDES EXISTING SURFACE AND PROPOSED SURFACE. USE OF THE AUTOCAD FILE IS AT THE RISK OF THE BIDDERS. NO WARRANTY IS ISSUED BY THE DESIGN ENGINEER OR THE CITY FOR USE OF THIS FILE.
- 10. ALL STORAGE AREAS FOR MATERIALS AND EQUIPMENT OR OTHER AREAS DISTURBED BY THE CONTRACTOR IN THE CONSTRUCTION OF THIS PROJECT THAT ARE OUTSIDE OF THE AREA TO REMAIN NON-VEGETATED SHALL BE RE-VEGETATED AT NO EXPENSE TO THE CITY.
- 11. ALL WATER VALVES, WATER METERS, MANHOLES, HAND HOLES, JUNCTION BOXES, ETC. THAT ARE IN THE AREA OF CONSTRUCTION SHALL BE ADJUSTED TO THE FINAL GRADE OF INFRASTRUCTURE. THIS SHALL BE SUBSIDIARY TO THE PROJECT.
- 12. ALL WATER SERVICES SHALL BE HDPE AS SHOWN IN THE DETAILS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ALL WATER METERS AND INSTALLING ALL ITEMS AND APPARATUS REQUIRED BY THE CITY OF JONESTOWN AND OTHER REGULATORY AGENCIES FOR WATER SERVICE INSTALLATIONS.
- 13. ALL ASPHALT PAVING SHALL RECEIVE PRIME COAT AND TACK COAT AS APPROPRIATE. THIS SHALL BE SUBSIDIARY TO THE RESPECTIVE ASPHALT BID ITEMS.
- 14. THERE MAY BE INSTANCES IN WHICH FIELD ADJUSTMENTS OR CHANGES WILL BE REQUIRED FOR CONSTRUCTION OF THIS PROJECT. IN THOSE INSTANCES, THE CONTRACTOR SHALL WORK WITH THE ENGINEER TO MAKE FIELD ADJUSTMENTS IN ORDER TO SUCCESSFULLY COMPLETE THE PROJECT. THESE ADJUSTMENTS WILL BE PAID UTILIZING EXISTING BID PRICES AT THE UNIT PRICE BID AND QUANTITY INSTALLED. IN THE EVENT THERE IS NOT A BID ITEM FOR A CONSTRUCTION TASK, A CHANGE ORDER WILL BE ISSUED.
- 15. CURB INLETS THAT EXTEND INTO THE SIDEWALKS SHALL BE INCORPORATED AND MEET ALL ADA STANDARDS. THIS SHALL BE SUBSIDIARY TO THE PROJECT.
- 16. ALL STORM WATER JUNCTION BOXES AND INLETS SHALL INCLUDE MANHOLES AND SHALL BE SUBSIDIARY TO THE APPROPRIATE BID ITEM FOR JUNCTION BOXES AND INLETS.
- 17. THE BID ITEM "FURNISH & INSTALL COMPACTED FILL, COMPLETE FOR" IN A QUANTITY OF CUBIC YARDS IS BASED ON THE AUTOCAD MODEL WHICH HAS BEEN PROVIDE THE QUANTITY IS IN COMPACTED CUBIC YARDS AND ALL BIDDERS SHALL APPLY THEIR CONVERSION FROM LOOSE TRUCK CUBIC YARDS TO THE BID ITEMS FOR COMPACTED CUBIC YARDS. THIS BID ITEM AND THE BID ITEM "UNCLASSIFIED EXCAVATION" SHALL BE PLAN QUANTITY ITEMS AND SHALL BE PAID THE QUANTITY SHOWN ON THE BID SCHEDULE UNLESS THERE IS A SIGNIFICANT CHANGE TO THE GRADING PLAN FOR THE PROJECT.
- 18. ALL DEWATERING FOR CONSTRUCTION SHALL BE SUBSIDIARY TO THE PROJECT.
- 19. THE SUCCESSFUL CONTRACTOR SHALL PERFORM MOWING OF THE VEGETATION ONCE GRASS HAS REACHED A HEIGHT OF 3 INCHES AND A FINAL MOWING OF THE PROJECT PRIOR TO ACCEPTANCE. THIS SHALL BE SUBSIDIARY TO THE PROJECT.
- 20. CONTRACTOR SHALL MOW OR SHRED RIGHT-OF-WAY AND EASEMENTS PRIOR TO RELEASING THE PROJECT TO THE CITY OF JONESTOWN. THIS WILL BE SUBSIDIARY TO THE PROJECT AND WILL NOT HAVE A SPECIAL PAY ITEM.
- 21. REQUIRED FILL EMBANKMENT OUTSIDE OF THE ROADWAY SHALL BE PLACED AND COMPACTED PER TECHNICAL SPECIFICATIONS OR MAXIMUM 6 INCH LOOSE LIFTS AND COMPACTED TO MINIMUM 95% STANDARD PROCTOR DENSITY AT OPTIMUM MOISTURE TO +2%. IF NOT OTHERWISE SPECIFIED.
- 22. ANY EXISTING PAVEMENT, CURBS, AND/OR SIDEWALK DAMAGED OR REMOVED BY THE CONTRACTOR THAT ARE NOT A PART OF THIS CONTRACT ARE TO BE REPAIRED BY THE CONTRACTOR TO AT LEAST THE PREEXISTING CONDITION AT HIS EXPENSE BEFORE ACCEPTANCE OF THE WORK.
- 23. MAKE CONNECTION BETWEEN NEW AND EXISTING ASPHALT STREETS BY REMOVING EXISTING STREET FROM THE END OF EXISTING PAVEMENT UNTIL FULL DEPTH BASE AND HMA ARE ENCOUNTERED AND HMA APPEARS TO BE IN SOUND CONDITION. PROVIDE EXPANSION JOINTS AND DOWELS WHERE CONNECTING EXISTING CURB TO NEW CONSTRUCTION.

BID SET					PROJECT NO. 2023-184			KASBERG, PATRICK & ASSOCIATES, LP CONSULTING ENGINEERS GEORGETOWN, TEXAS 78626 kpaengineers.com	CITY OF JONESTOWN, TEXAS 2024 JONESTOWN STREET MAINTENANCE	SHEET NO. G-04 OF 06 SHEETS
	NO.	DATE	REVISION	BY	DRAWN BY Klint Richardson					
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24. AT INTERSECTIONS WHICH HAVE VALLEY DRAINAGE THE CROWN OF THE INTERSECTING STREETS TO CULMINATE IN A DISTANCE OF 40 FEET FROM THE INTERSECTING CURB LINE, UNLESS OTHERWISE NOTED OR DIRECTED BY THE ENGINEER.
25. UNLESS OCCURRING AT AN EXPANSION JOINT, MAKE CONNECTION BETWEEN NEW AND EXISTING SIDEWALK BY EXPOSING AND CLEANING A ONE FOOT LENGTH OF WELDED WIRE REINFORCEMENT AND LAPPING NEW REINFORCEMENT ONTO THIS LENGTH.
26. STREETS SHALL BE CUT AND/OR FILLED TO SUBGRADE PRIOR TO UTILITY CONSTRUCTION.

F. TESTING AND SUBMITTALS

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING MATERIAL SAMPLES AS WELL AS ANY MANUFACTURERS LITERATURE OF MATERIALS USED ON THIS PROJECT AS REQUIRED BY THE ENGINEER. ANY COSTS ASSOCIATED WITH ANY SAMPLING AND TESTING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THESE COSTS SHALL BE CONSIDERED AS INCIDENTAL AND THE CONTRACTOR WILL NOT BE ENTITLED TO ANY ADDITIONAL COMPENSATION.
2. CONTRACTOR SHALL COORDINATE ALL MATERIALS TESTING WITH THE CITY OF JONESTOWN CONSTRUCTION REPRESENTATIVE AND THE CITY TESTING COMPANY, INCLUDING SOIL DENSITY TESTS AND RELATED SOILS ANALYSIS. TESTS TO BE ACCOMPLISHED BY AN INDEPENDENT LABORATORY UNDER CONTRACT WITH THE CITY OF JONESTOWN, AT THE FREQUENCY, TIME AND LOCATION AS SPECIFIED IN THE TECHNICAL SPECIFICATIONS. A COPY OF THE TEST RESULTS TO BE FORWARDED TO THE CITY OF JONESTOWN, THE OWNERS REPRESENTATIVE, AND THE CONTRACTOR. TESTS WHICH SHOW UNSATISFACTORY RESULTS ARE TO BE REPEATED AT THE EXPENSE OF THE CONTRACTOR SUBSEQUENT TO THE CONTRACTOR'S REMEDIAL ACTIVITIES.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AND PAY FOR ALL CHARGES OF TESTING LABORATORIES FOR SERVICES IN CONNECTION WITH INITIAL TESTS MADE ON ALL IMPORTED MATERIALS TO THE PROJECT SITES INCLUDING BUT NOT LIMITED TO EMBEDMENT MATERIALS, FILL MATERIAL, BACKFILL MATERIAL, SELECT MATERIAL, CRUSHED LIMESTONE BASE, SUBBASE, CONCRETE, STEEL, WOOD FORMS, LIQUID ASPHALT, AGGREGATE, WATER, CEMENT, CURING COMPOUND, GUARD RAIL, HOT MIX, ETC.
4. THE TESTS FOR WHICH THE CONTRACTOR WILL TYPICALLY BE RESPONSIBLE ARE ATTERBERG LIMITS, SIEVE ANALYSIS, PLASTICITY INDICES, MIX DESIGN, CALIFORNIA BEARING RATIOS, TRIAXIAL TESTING, PROCTORS (MOISTURE DENSITY CURVES) AND ALL TESTS REQUIRED BY THE SPECIFICATIONS THAT PROVE THE MATERIAL BROUGHT TO THE PROJECT SITES MEETS OR EXCEEDS THE SPECIFICATIONS AND CONTRACT DOCUMENTS. THE CITY OF JONESTOWN WILL PAY ALL THE CHARGES OF TESTING LABORATORIES FOR SERVICES IN CONNECTION WITH IN PLACE FIELD DENSITIES, CONCRETE CYLINDERS TESTING, HMC DENSITY TESTS AND ANY IN PLACE TEST REQUIRED FOR QUALITY ASSURANCE. RETESTING AFTER FAILURE OF INPLACE TESTS SHALL BE AT THE EXPENSE OF THE CONTRACTOR.

G. CONCRETE FOR CONSTRUCTION

1. THE CONCRETE FOR ALL VALLEY GUTTERS, RADIUS UNITS, DRIVEWAYS, BOX CULVERTS, APRONS, 1. HEADWALLS, AND WING WALLS SHALL BE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 3000 P.S.I., A MINIMUM 7-DAY FLEXURAL STRENGTH OF 510 P.S.I., A MAXIMUM WATER TO CEMENT RATIO OF 6.0 GALLONS PER SACK AND BE A MINIMUM (6) SIX SACKS PER CUBIC YARD OF CONCRETE SHALL BE REQUIRED UNLESS OTHERWISE SPECIFIED IN PLANS. ALL OTHER CONCRETE SHALL BE AS SPECIFIED ON THE PLANS.
2. TYPE 2 MEMBRANE CURING COMPOUND (WHITE PIGMENTED) SHALL BE USED FOR THIS PROJECT.
3. ALL CONCRETE SHALL BE CURED IN ACCORDANCE WITH THE REQUIREMENTS OF TxDOT ITEM 526 "MEMBRANE CURING".
4. CONCRETE RIP RAP SHALL BE 4-INCHES IN THICKNESS, CLASS "A" CONCRETE WITH #4 BARS 16" ON CENTER EACH WAY. FINISHED CONCRETE SHALL RECEIVE A BROOM FINISH AND BE SPRAYED WITH TYPE 2 MEMBRANE CURING COMPOUND. THE RIP RAP SHALL BE PLACED WITH A 24-INCH DEPTH BY 6-INCH WIDE TOE DITCH AT THE BOTTOM OF SLOPE EDGE AND WITH AN 18-INCH DEPTH BY 6-INCH WIDE TOE DITCH AT THE TOP OF SLOPE EDGE AND ALONG THE EDGE OF THE SLOPE, UNLESS OTHERWISE NOTED ON THE PLANS.
5. ALL EXPANSION JOINT MATERIAL FOR DRIVEWAY AND SIDEWALK INSTALLATIONS SHALL BE GRADE 1 5. REDWOOD (1/2" x 3 1/2" DIMENSION).
6. ALL REINFORCING STEEL FOR CONCRETE SHALL MEET ASTM A 615, GRADE 60.
7. PRE-CAST INLETS, JUNCTION BOXES, MANHOLES AND BOX CULVERTS ARE ALLOWABLE ON THIS PROJECT. HOWEVER, ALL SUPPLIER SUBMITTALS BE REQUIRED AND THE OWNER RESERVES THE RIGHT TO CHANGE ELEVATIONS AND SLOPES OF, TO AND FROM EACH PROPOSED STRUCTURE AT ANY TIME.

H. JOB SITE SAFETY NOTES

1. ALL CONSTRUCTION OPERATIONS FOR THIS PROJECT SHALL BE ACCOMPLISHED IN ACCORDANCE WITH APPLICABLE REGULATIONS OF THE UNITED STATES OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA). COPIES OF THE OSHA STANDARDS MAY BE PURCHASED FROM THE U.S. GOVERNMENT PRINTING OFFICE; INFORMATION AND RELATED REFERENCE MATERIALS MAY BE OBTAINED FROM OSHA: 903 SAN JACINTO; AUSTIN, TEXAS.
2. THESE PLANS, PREPARED BY KASBERG, PATRICK & ASSOCIATES, LP, DO NOT EXTEND TO OR INCLUDE DESIGNS OR SYSTEMS PERTAINING TO THE SAFETY OF THE CONTRACTOR OR HIS EMPLOYEES, AGENTS OR REPRESENTATIVES IN THE PERFORMANCE OF THE WORK. THE SEAL OF KASBERG, PATRICK & ASSOCIATES, LP, REGISTERED PROFESSIONAL ENGINEER(S) HEREON DOES NOT EXTEND TO ANY SUCH SAFETY SYSTEMS THAT MAY NOW OR HEREAFTER BE INCORPORATED IN THE WORK.
3. THE CONTRACTOR SHALL PROVIDE A TRENCH SAFETY PLAN SIGNED AND SEALED BY LICENSED ENGINEER IN THE STATE OF TEXAS TO THE CITY OF JONESTOWN FOR RECORD PURPOSES, AS REQUIRED BY THE LAWS OF THE STATE OF TEXAS. IMPLEMENTATION OF THE SUBMITTED TRENCH SAFETY PLAN SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
4. THE CONTRACTOR SHALL BE RESPONSIBLE AND LIABLE FOR ALL JOB SITE SAFETY, FOR MANAGEMENT OF JOB SITE PERSONNEL, FOR SUPERVISION OF THE USE OF JOB SITE EQUIPMENT AND FOR DIRECTION OF ALL CONSTRUCTION PROCEDURES, METHODS AND ELEMENTS REQUIRED TO COMPLETE THE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS.
5. BLASTING IS NOT PERMITTED ON THIS PROJECT.
6. IN ADDITION TO OTHER SAFETY REQUIREMENTS, ALL TRUCKS USED FOR HAULING MATERIAL AND/OR EQUIPMENT TO AND/OR FROM THIS PROJECT SHALL BE EQUIPPED WITH AN AUDIBLE BACKUP WARNING DEVICE THAT IS IN GOOD OPERATING CONDITION.
7. ADVISORY SPEED LIMIT SIGNS SHALL BE PLACED AS DIRECTED BY THE CITY OF JONESTOWN AND THE TEXAS DEPARTMENT OF TRANSPORTATION. THE LOCATION AND SPEED WILL BE DETERMINED BY THOSE TWO ENTITIES IN ORDER TO FIT PROJECT CONDITIONS.
8. PROTECTION OF VEHICULAR AND PEDESTRIAN TRAFFIC IS OF THE UTMOST IMPORTANCE FOR THE PROJECT. THE TRAFFIC CONTROL AND SEQUENCE OF CONSTRUCTION PLAN SHALL ADDRESS ALL ANTICIPATED SITUATIONS IN THIS REGARD WITH SUFFICIENT DETAIL. THE CONTRACTORS PLAN WILL BE REVIEWED BY LOCAL TxDOT OFFICIALS AND THE CITY OF JONESTOWN.

I. ENVIRONMENTAL NOTES

1. CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND MAINTAINING SANITARY FACILITIES ON THIS PROJECT FOR EMPLOYEES.
2. CONTRACTOR SHALL NOT PLACE ASPHALT PRODUCTS ON THE GROUND WITHIN 48 HOURS OF FORECASTED RAIN.
3. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL REQUIREMENTS REGARDING EXCESS AND WASTE MATERIAL, INCLUDING METHODS OF HANDLING AND DISPOSAL.
4. CONTRACTOR SHALL MAINTAIN ACCESS TO PUBLIC AND PRIVATE FACILITIES DURING CONSTRUCTION. CONSTRUCTION ACTIVITIES TO BE COORDINATED WITH THE CITY OF JONESTOWN. THIS SHALL BE SOLE RESPONSIBILITY OF THE CONTRACTOR.
5. CONTRACTOR SHALL LOCATE MATERIAL STORAGE AREAS AWAY FROM STORM WATER CONVEYANCE SYSTEMS. CONTRACTOR TO PROVIDE PROTECTED STORAGE AREAS FOR CHEMICALS, PAINTS, SOLVENTS, FERTILIZERS AND OTHER POTENTIALLY TOXIC MATERIALS.
6. FUEL STORAGE IS NOT ALLOWED ON THIS PROJECT.
7. CONTRACTOR SHALL ADVISE OWNER IMMEDIATELY, VERBALLY AND IN WRITING, OF ANY FUEL OR TOXIC MATERIAL SPILLS ONTO THE PROJECT CONSTRUCTION AREA AND THE ACTIONS TO BE TAKEN TO REMEDY THE PROBLEM.
8. CONTRACTOR IS RESPONSIBLE FOR DISPOSING OF HIS FUELS, MATERIALS AND CONTAMINATED EXCAVATIONS IN A LEGALLY APPROVED MANNER.
9. CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE ENVIRONMENTAL LAWS.
10. IN THE EVENT THAT SITE GRADING AND/OR EXCAVATION REVEALS WHAT MIGHT BE HAZARDOUS MATERIALS, ALL CONSTRUCTION OPERATIONS SHALL CEASE. THE CITY OF JONESTOWN FIRE DEPARTMENT, FIRE CHIEF AND CITY ENGINEER SHALL BE CALLED TO THE SITE TO EVALUATE THE SITUATION. IF REQUIRED, THE CITY OF JONESTOWN WILL AUTHORIZE THE HAZARDOUS MATERIALS RESPONSE COMPANY WHICH IS UNDER CONTRACT WITH THE CITY OF JONESTOWN TO BEGIN REMEDIATION OF THE SITUATION. AT THAT SAME TIME, THE CITY OF JONESTOWN WILL DETERMINE WHAT CONSTRUCTION ACTIVITIES MAY CONTINUE THAT WOULD NOT ENDANGER CONSTRUCTION WORKERS OR CITIZENS.

11. CONTRACTOR SHALL COPY THE CITY OF JONESTOWN AND THE ENGINEER ON SWPPP, NOI, AND NOT.

J. PROJECT DOCUMENTATION

1. ALL BOUNDARY AND TOPOGRAPHIC SURVEY SERVICES FOR THIS PROJECT WERE PROVIDED BY ALL COUNTY SURVEYING INC. OF GEORGETOWN, TEXAS.

K. SIDEWALK/ADA

1. THE SIDEWALK SHALL COMPLY WITH SECTION 403 OF THE TEXAS ACCESSIBILITY STANDARDS.
2. THE RUNNING SLOPE OF THE PROPOSED SIDEWALK SHALL NOT BE STEEPER THAN 1:20 (5%)
3. THE CROSS SLOPE OF THE SIDEWALK SHALL NOT BE STEEPER THAN 1:48 (2%)
4. THE MAXIMUM ALLOWABLE VERTICAL CHANGE IS 1/4 - INCH.

L. STORMWATER POLLUTION PREVENTION PLAN (SW3P)

1. CONTRACTOR SHALL PREPARE A STORMWATER POLLUTION PREVENTION PLAN (SW3P) FOR THE PROJECT. THE ENGINEER HAS INCORPORATED IN THESE CONSTRUCTION DRAWINGS SOME MINIMUM STORM WATER CONTROLS THAT SHOULD BE INCLUDED INTO THE CONTRACTOR'S PLANS.
2. CONTRACTOR SHALL SUBMIT THE SW3P TO THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ), THE ENGINEER AND THE CITY OF JONESTOWN, COMPLETE THE NOTICE OF INTENT (NOI) AND FORWARD THE NOTICE OF TERMINATION (NOT) WHEN THE PROJECT IS COMPLETED AND ACCEPTED BY THE CITY OF JONESTOWN, TEXAS.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING, MAINTAINING, REPORTING AND INSPECTION OF THE WATER POLLUTION ABATEMENT PLAN AND INSTALLED CONTROLS.
4. AFTER PERMANENT EROSION CONTROL HAS BEEN ESTABLISHED THE CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION CONTROL DEVICES. THIS SHALL BE SUBSIDIARY TO THE EROSION CONTROL PAY ITEMS.

M. BID SCHEDULE NOTES

1. THE BID SCHEDULE CONTAINS A BID ITEM FOR PAYMENT TO THE CONTRACTOR FOR PROVIDING RECORD DRAWINGS (AS-BUILTS) FOR THIS PROJECT. FINAL PAYMENT FOR THE PROJECT WILL NOT BE RELEASED BY THE CITY OF JONESTOWN UNTIL THE RECORD DRAWINGS ARE DELIVERED TO THE ENGINEER IN AN ACCEPTABLE, LEGIBLE CONDITION.

N. RAIN/WEATHER DAYS

1. THIS PROJECT IS A CALENDAR DAY PROJECT AND WILL ALLOW SUBMITTAL OF WEATHER DAYS. THE CITY OF JONESTOWN REQUIRES THAT THE AVERAGE RAIN DAYS IN A MONTH BE EXCEEDED BEFORE ANY WEATHER DAYS ARE ADDED TO THE PROJECT. A WEATHER DAY SHALL BE CONSIDERED ANY DAY WITH ANY AMOUNT OF PRECIPITATION. IN ORDER TO SUBMIT FOR ADDITIONAL DAYS FOR WEATHER, THE CONTRACTOR SHALL TRACK THE PRECIPITATION ON THE PROJECT SITE AND SUBMIT THE DAYS OF PRECIPITATION MONTHLY AND INCLUDE THE AVERAGE PRECIPITATION DAYS FOR THAT MONTH AS SHOWN IN THE TABLE BELOW. ONLY DAYS IN EXCESS OF THE AVERAGE PRECIPITATION FOR THE MONTH WILL BE ALLOWED FOR ADDITIONAL DAYS DUE TO WEATHER. AVERAGE RAIN DAYS SHALL BE AS FOLLOWS:

AVERAGE RAIN DAYS			
JANUARY -	7 DAYS	JULY -	6 DAYS
FEBRUARY -	7 DAYS	AUGUST -	5 DAYS
MARCH -	7 DAYS	SEPTEMBER -	7 DAYS
APRIL -	7 DAYS	OCTOBER -	7 DAYS
MAY -	8 DAYS	NOVEMBER -	7 DAYS
JUNE -	6 DAYS	DECEMBER -	7 DAYS

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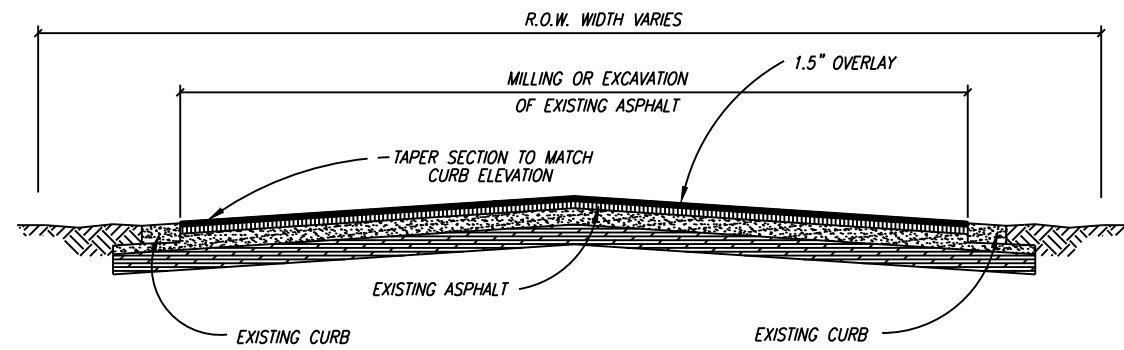
PROJECT NO.	2023-184
DRAWN BY	Klint Richardson
DESIGNED BY	
APPROVED BY	<i>[Signature]</i>
DATE	03/18/2024



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 GENERAL SHEETS
 GENERAL NOTES (2 OF 2)

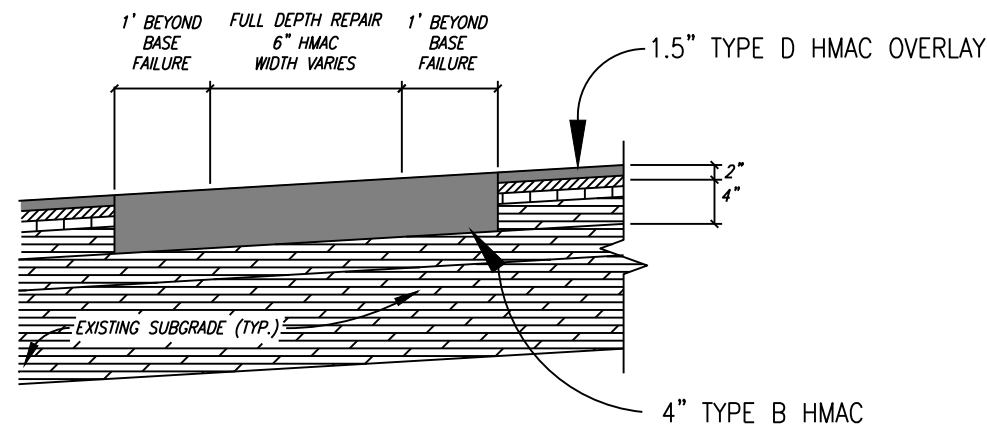
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G-05 OF
06 SHEETS



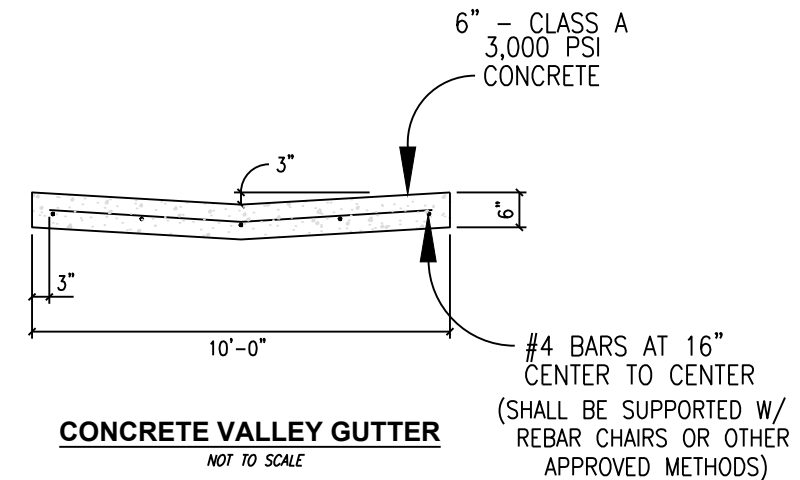
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TYPICAL STREET SECTION**
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ROADWAY & EXCAVATION NOTES:

1. CLEAR THE PROPOSED DEVELOPMENT AREA OF ALL ORGANIC MATERIAL SOFT SOILS, EXISTING PAVEMENT AS REQUIRED, AND FOREIGN MATERIAL WITHIN THE PROPOSED IMPROVEMENT AREA TO THE GRADE REQUIRED.
2. EXCAVATED AREAS SHOULD BE APPROPRIATELY GRADED AND SHAPED TO PREVENT PONDING OF WATER. PUMPING MIGHT OCCUR IF THE SITE BECOMES WET.
3. SURFACES EXPOSED AFTER EXCAVATION SHOULD BE PROOF-ROLLED IN ACCORDANCE WITH TXDOT SPECIFICATION. IF RUTTING DEVELOPS, TIRE PRESSURES SHOULD BE REDUCED. THE PURPOSE OF THE PROOF-ROLLING OPERATION IS TO IDENTIFY ANY UNDERLYING ZONES OR POCKETS OF WEAK PAVEMENT/BASE MATERIALS.
4. SAW CUTTING ASPHALT IS CONSIDERED SUBSIDIARY TO THE PROJECT.



FULL DEPTH POINT REPAIR
NOT TO SCALE



CONCRETE VALLEY GUTTER
NOT TO SCALE

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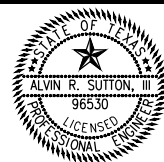
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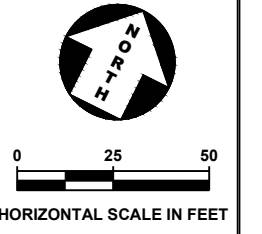
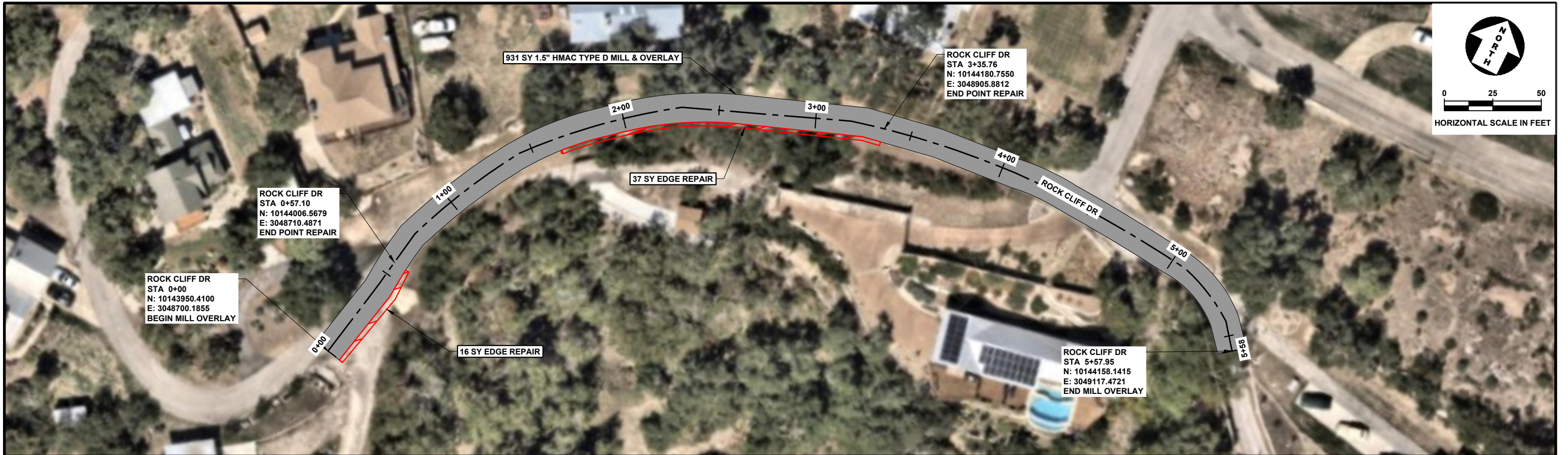
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GENERAL SHEETS
MILL AND OVERLAY DETAIL

SHEET NO.
G-06 OF
06 SHEETS

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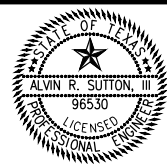
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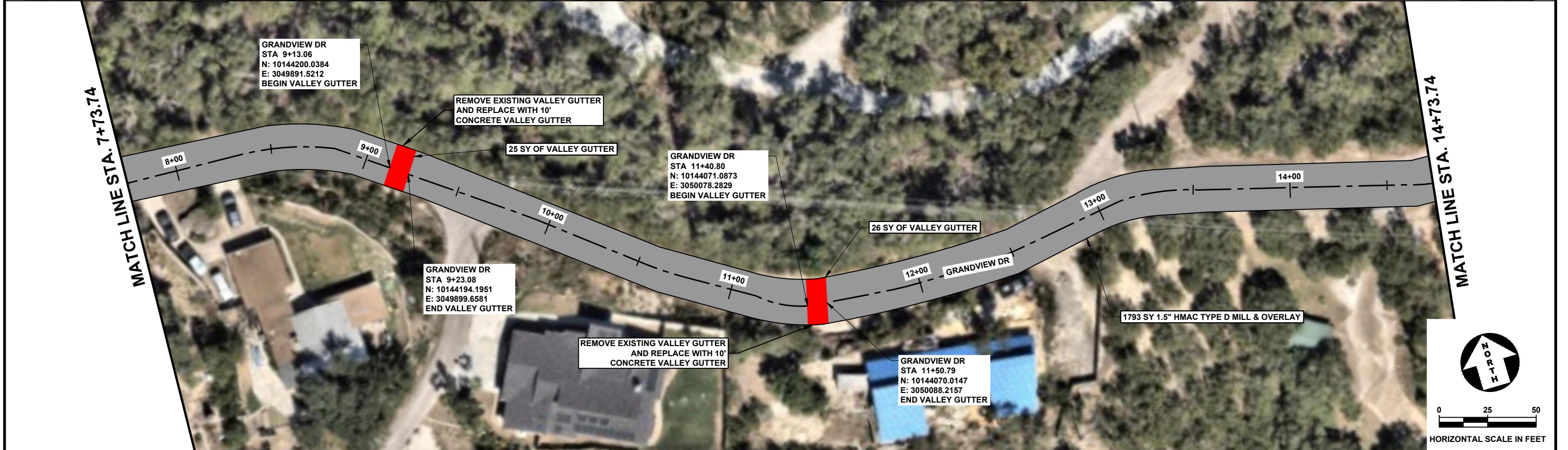
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PLAN SHEETS
ROCK CLIFF DR (SHEET 1 OF 1)

SHEET NO.
P-01 OF
08 SHEETS

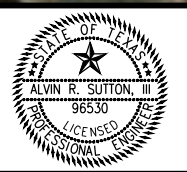
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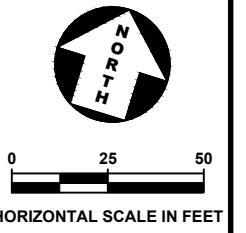
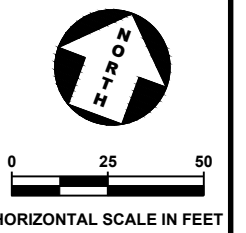
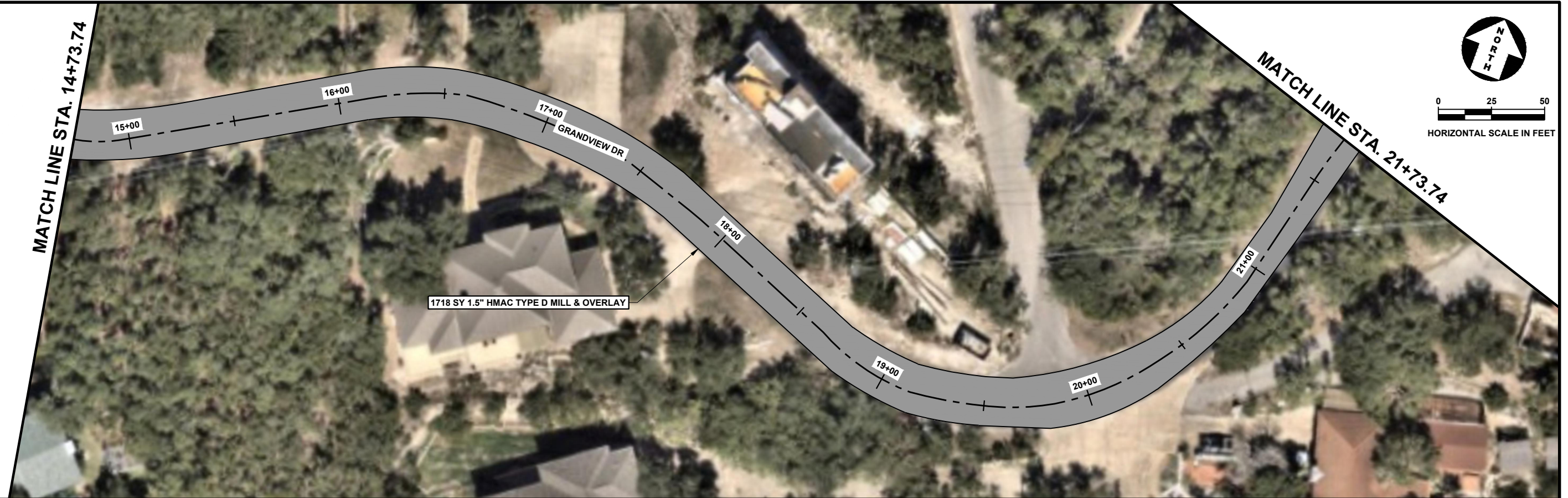


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 2024 JONESTOWN STREET MAINTENANCE
 PLAN SHEETS
 GRANDVIEW DR - (SHEET 1 OF 3)

SHEET NO.
P-02 OF
08 SHEETS

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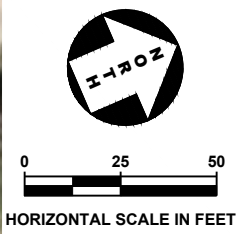
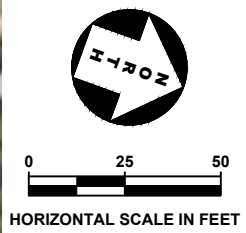


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PLAN SHEETS
GRANDVIEW DR - (SHEET 2 OF 3)

SHEET NO. **P-03** OF **08** SHEETS

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 END MILL OVERLAY

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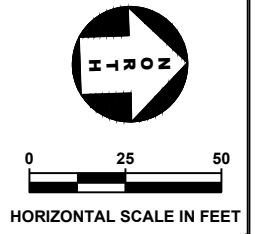


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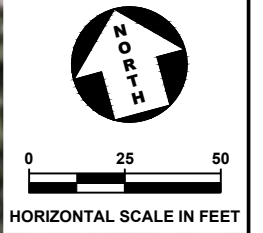
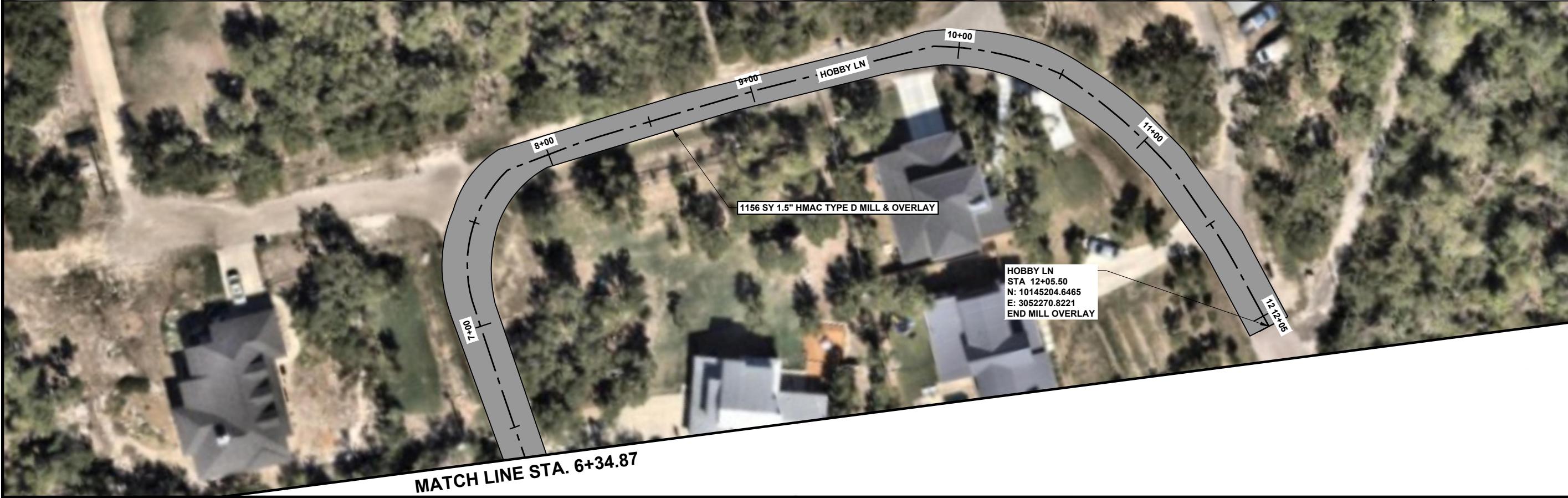
CITY OF JONESTOWN, TEXAS
 2024 JONESTOWN STREET MAINTENANCE
 PLAN SHEETS
 GRANDVIEW DR - (SHEET 3 OF 3)

SHEET NO. **P-04** OF **08** SHEETS

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MATCH LINE STA. 6+34.87



MATCH LINE STA. 6+34.87

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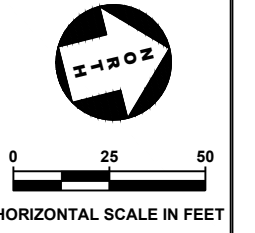
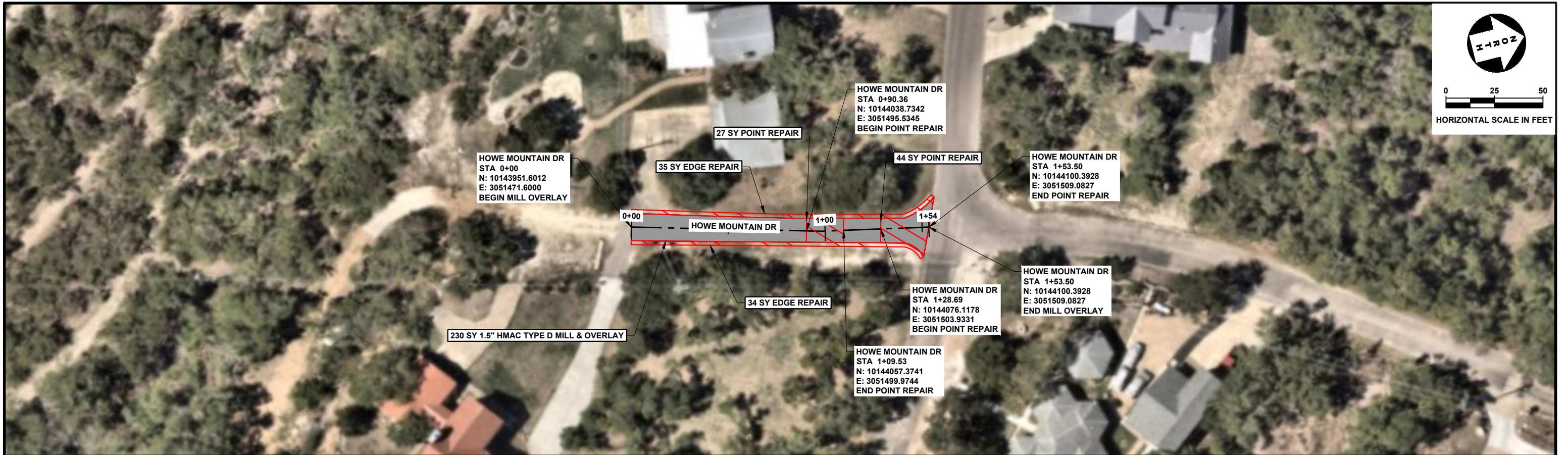


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PLAN SHEETS
HOBBY LN (SHEET 1 OF 1)

SHEET NO.
P-05 OF
08 SHEETS

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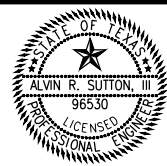
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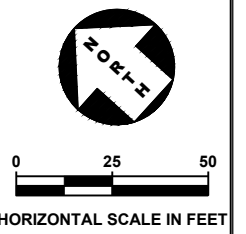
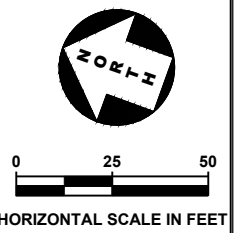
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PLAN SHEETS
HOWE MOUNTAIN DR (SHEET 1 OF 1)

SHEET NO.
P-06 OF
08 SHEETS

FILE: P:\Jonestown\2022\22-xxx Street Maintenance\CAD\BASE\TIP TOP DR - STREET MAINTENANCE.dwg LAST SAVED: 4/3/2024 8:14:23 AM LAYOUT: P-07 TIP TOP DR - (SHEET 1 OF 2)



BID SET

NO.	DATE	REVISION	BY

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KPA Firm Registration Number F-510

Plot Date: 4/3/2024 8:23:37 AM
Plotted By: KRICHARDSON

PROJECT NO. 2023-184
DRAWN BY Klint Richardson
DESIGNED BY *[Signature]*
APPROVED BY *[Signature]*
DATE 03/18/2024

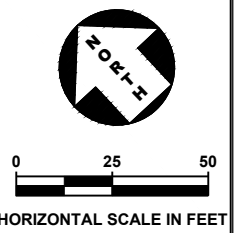


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CITY OF JONESTOWN, TEXAS
2024 JONESTOWN STREET MAINTENANCE
PLAN SHEETS
TIP TOP DR - (SHEET 1 OF 2)

SHEET NO.
P-07 OF
08 SHEETS

FILE: P:\Jonestown\2022\22-xxx Street Maintenance\CAD\BASE\TIP TOP DR - STREET MAINTENANCE.dwg LAST SAVED: 4/3/2024 8:14:23 AM LAYOUT: P-08 TIP TOP DR - (SHEET 2 OF 2)



BID SET

NO.	DATE	REVISION	BY

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Plot Date: 4/3/2024 8:23:43 AM
Plotted By: KRICHARDSON

PROJECT NO. 2023-184
DRAWN BY Klint Richardson
DESIGNED BY *[Signature]*
APPROVED BY *[Signature]*
DATE 03/18/2024



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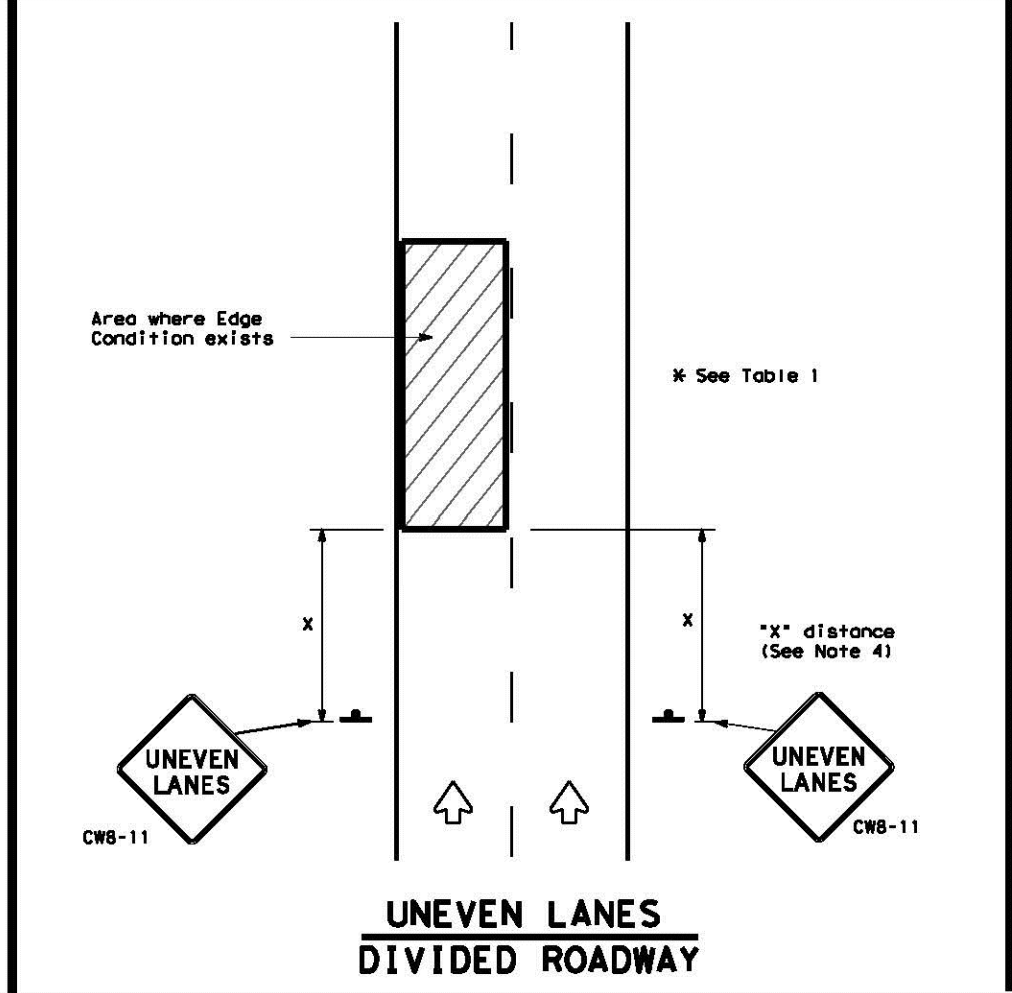
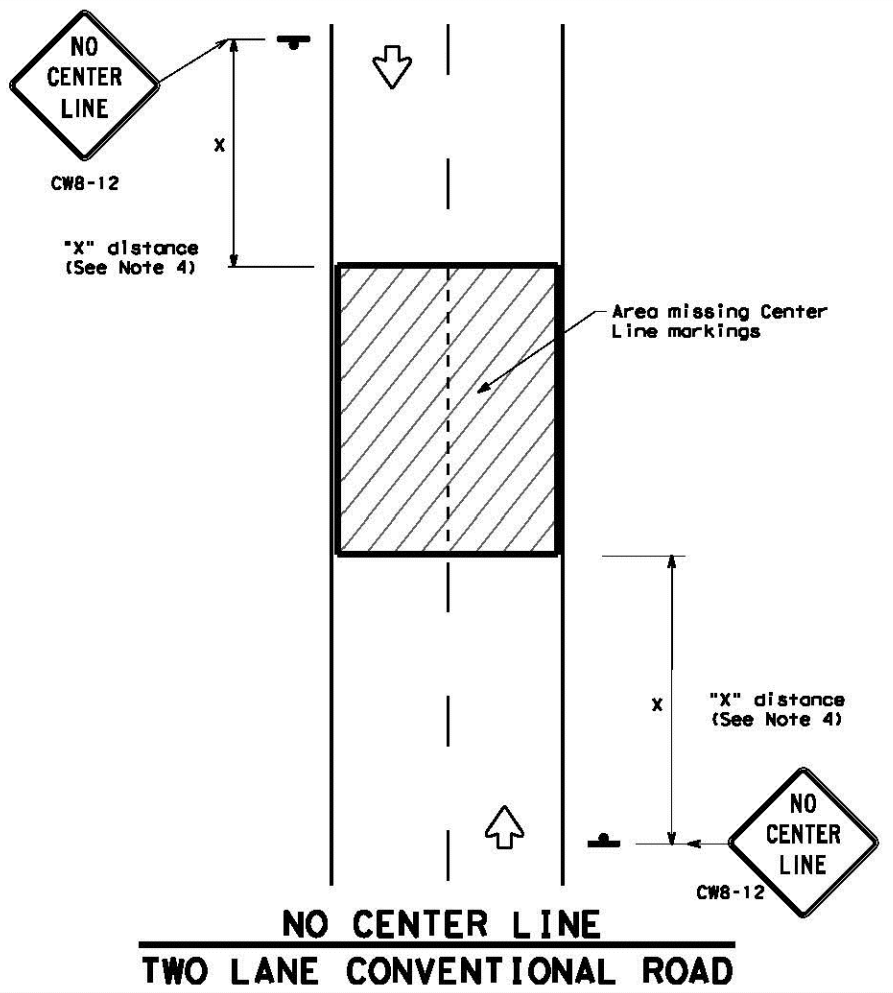
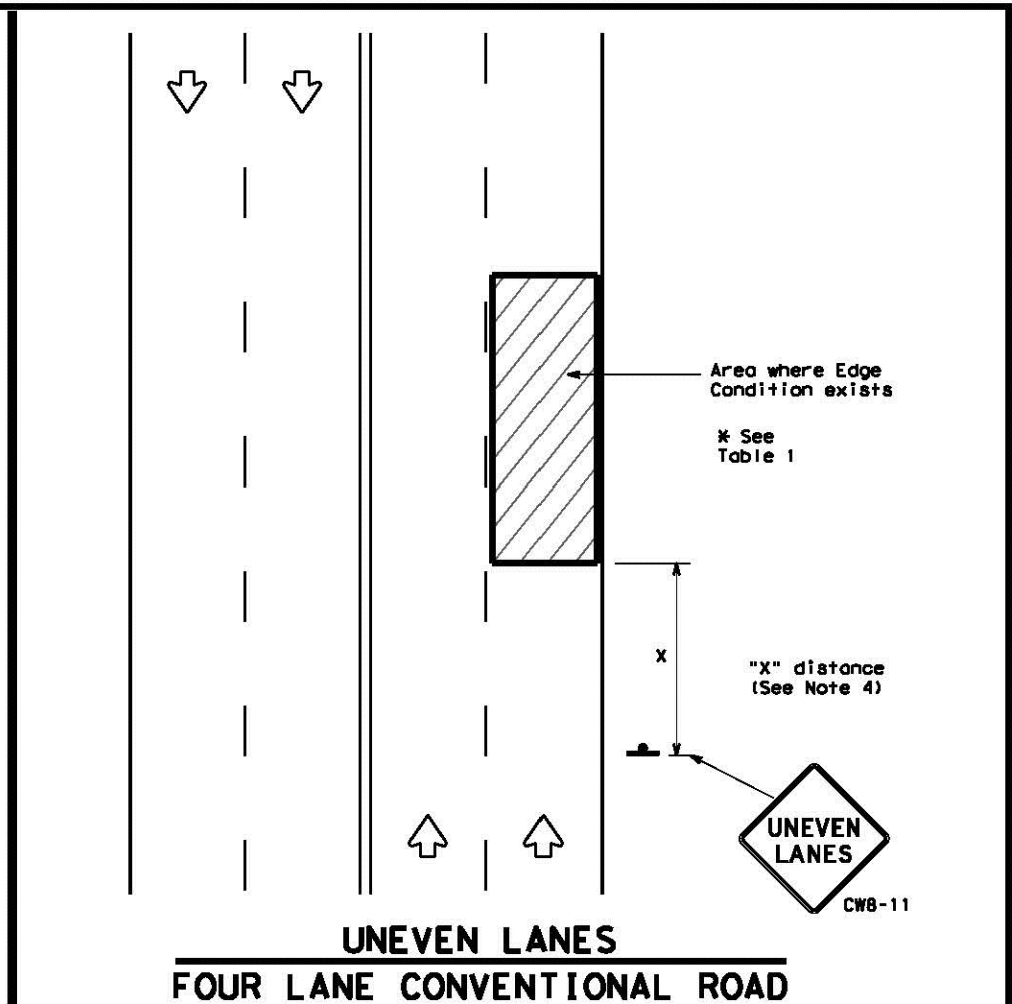
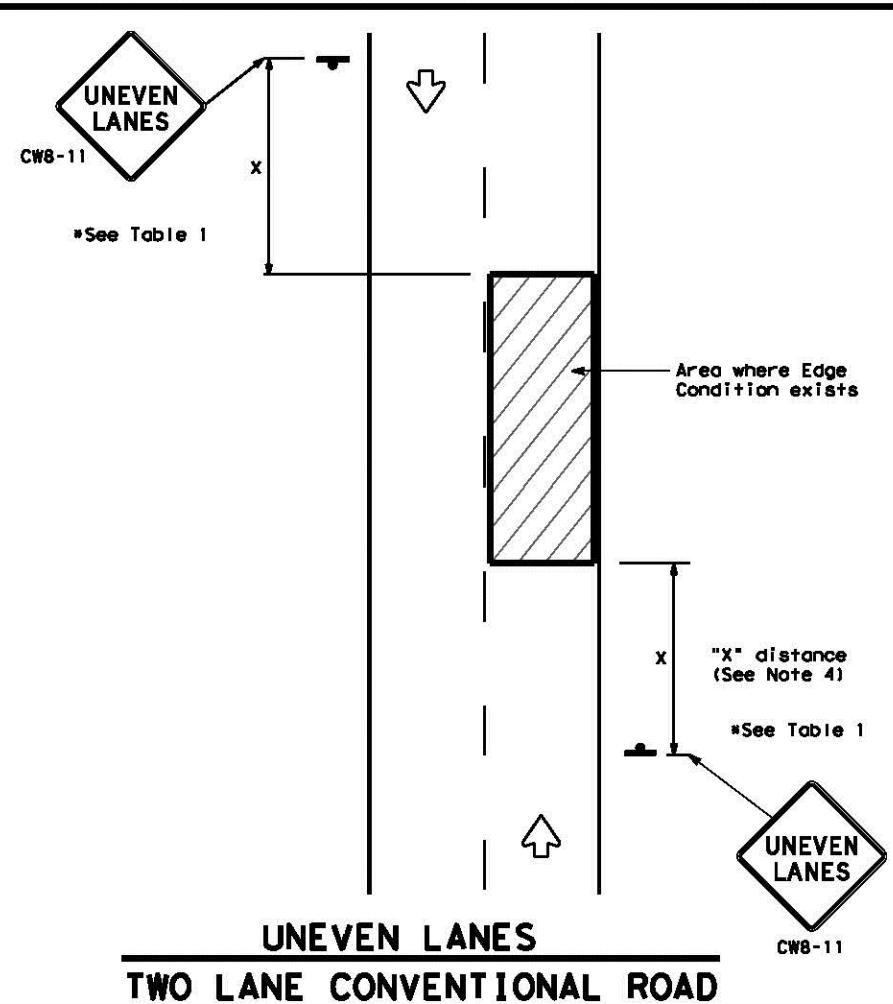
CITY OF JONESTOWN, TEXAS
2024 JONESTOWN STREET MAINTENANCE

PLAN SHEETS
TIP TOP DR - (SHEET 2 OF 2)

SHEET NO.
P-08 OF
08 SHEETS

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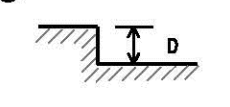
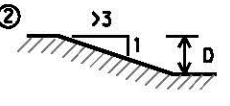
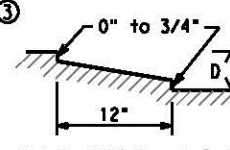


DEPARTMENTAL MATERIAL SPECIFICATIONS	
PERMANENT PREFABRICATED PAVEMENT MARKINGS	DMS-8240
TEMPORARY (REMOVABLE) PREFABRICATED PAVEMENT MARKINGS	DMS-8241
SIGN FACE MATERIALS	DMS-8300

COLOR	USAGE	SHEETING MATERIAL
ORANGE	BACKGROUND	TYPE B _{FL} OR TYPE C _{FL} SHEETING
BLACK	LEGEND & BORDERS	ACRYLIC NON-REFLECTIVE SHEETING

GENERAL NOTES

1. If spalling or holes occur, ROUGH ROAD (CW8-8) signs should be placed in advance of the condition and be repeated every two miles where the condition persists.
2. UNEVEN LANES (CW8-11) signs shall be installed in advance of the condition and repeated every mile. Signs installed along the uneven lane condition may be supplemented with the NEXT XX MILES (CW7-3aP) plaque or Advisory Speed (CW13-1P) plaque.
3. NO CENTER LINE (CW8-12) signs and temporary pavement markings as per the WZ(STPM) standard shall be installed if yellow centerlines separating two way traffic are obscured or obliterated. Repeat NO CENTER LINE signs every two miles where the center line markings are not in place. The signs and markings shall remain in place until permanent pavement markings are installed.
4. Signs shall be spaced at the distances recommended as per BC standards.
5. Additional signs may be required as directed by the Engineer. Signs shall remain in place until final surface is applied. Signs shall be considered subsidiary to Item 502 "BARRICADES, SIGNS AND TRAFFIC HANDLING."
6. Signs shall be fabricated and mounted on supports as shown on the BC standards and/or listed on the "Compliant Work Zone Traffic Control Devices" list.
7. Short term markings shall not be used to simulate edge lines.
8. All signs shall be constructed in accordance with the details found in the "Standard Highway Sign Designs for Texas," latest edition.

Edge Condition	Edge Height (D)	* Warning Devices
① 	Less than or equal to: 1/4" (maximum-planing) 1/2" (typical-overlay)	Sign: CW8-11
② 	Less than or equal to 3"	Sign: CW8-11
③ 	Distance "D" may be a maximum of 3" if uneven lanes with edge condition 2 or 3 are open to traffic after work operations cease. Uneven lanes should not be open to traffic when "D" is greater than 3".	

TRAFFIC CONTROL DURING PLANING, OVERLAY AND LEVELING OPERATIONS ARE SHOWN ELSEWHERE IN THE PLANS.

MINIMUM WARNING SIGN SIZE	
Conventional roads	36" x 36"
Freeways/expressways, divided roadways	48" x 48"

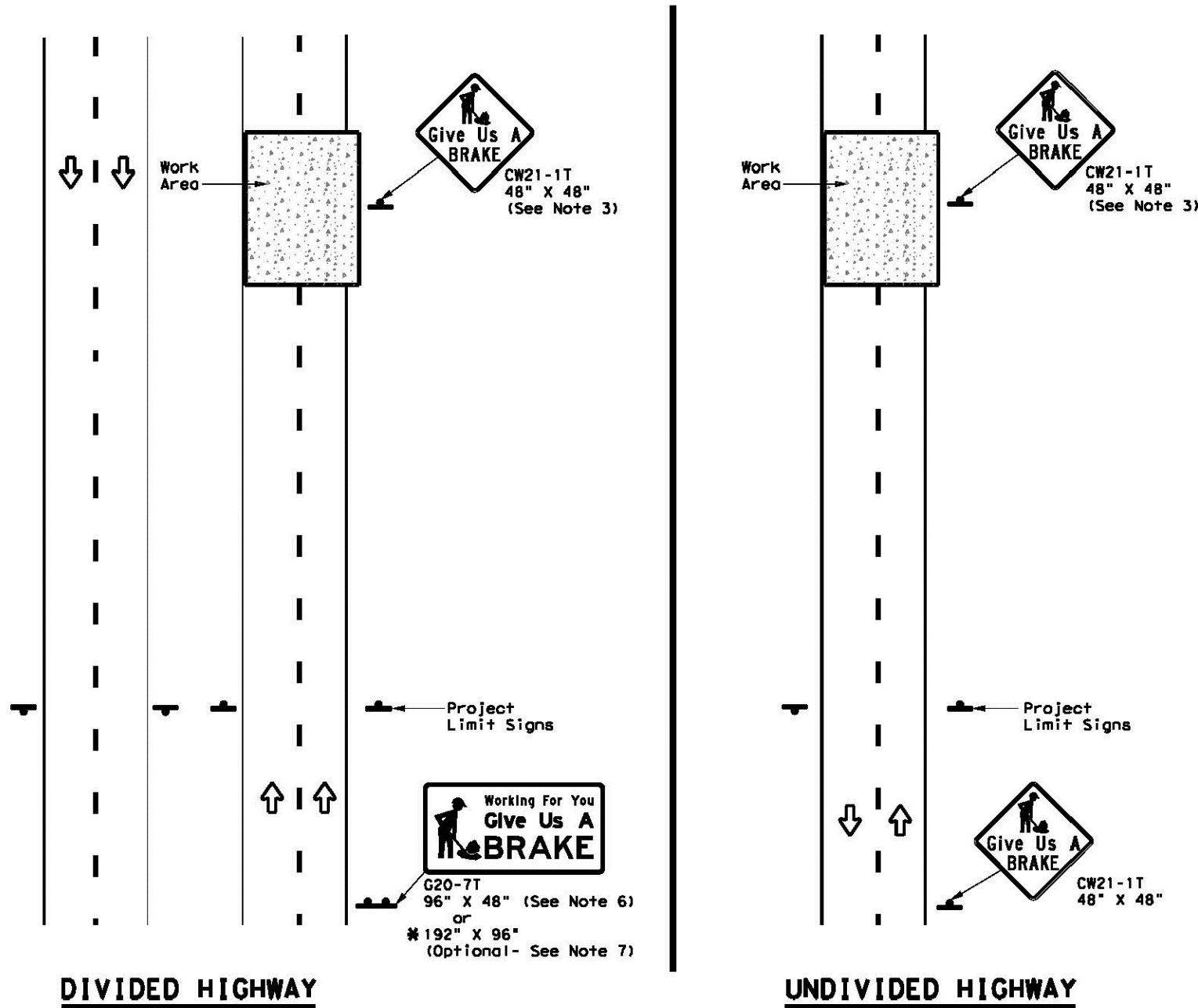


SIGNING FOR UNEVEN LANES

WZ (UL) - 13

FILE: wzu1-13.dgn	DW: TxDOT	CR: TxDOT	OW: TxDOT	CK: TxDOT
© TxDOT	APRIL 1992	CONT	SECT	JOB
REVISIONS				
8-95	2-98	7-13	DIST	COUNTY
1-97	3-03			SHEET NO. D-01

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SIGNS ARE SHOWN FOR ONE DIRECTION OF TRAVEL

* When the optional larger WORKING FOR YOU GIVE US A BRAKE (G20-7T) 192" x 96" sign is required, the locations shall be noted elsewhere in the plans.

DATE:
FILE:

SUMMARY OF LARGE SIGNS

BACKGROUND COLOR	SIGN DESIGNATION	SIGN	SIGN DIMENSIONS	REFLECTIVE SHEETING	SQ FT	GALVANIZED STRUCTURAL STEEL		DRILLED SHAFT
						Size	(LF)	
							① ②	24" DIA. (LF)
Orange	G20-7T		96" X 48"	Type B _{FL} or C _{FL}	32	▲	▲ ▲	▲
Orange	G20-7T		192" X 96"	Type B _{FL} or C _{FL}	128	W8x18	16 17	12

▲ See Note 6 Below

LEGEND	
	Sign
	Large Sign
	Traffic Flow

DEPARTMENTAL MATERIAL SPECIFICATIONS	
PLYWOOD SIGN BLANKS	DMS-7100
ALUMINUM SIGN BLANKS	DMS-7110
SIGN FACE MATERIALS	DMS-8300

COLOR	USAGE	SHEETING MATERIAL
ORANGE	BACKGROUND	TYPE B _{FL} OR TYPE C _{FL}
BLACK	LEGEND & BORDERS	NON-REFLECTIVE ACRYLIC FILM

GENERAL NOTES

- See BC and SMD sheets for additional sign support details.
- Sign locations shall be approved by the Engineer.
- For projects more than two miles in length, Give Us a BRAKE signs should be repeated halfway through the project. The Give Us a Brake (CW21-1T) may be used for this purpose.
- Work zone speed limits are sometimes used in conjunction with GIVE US A BRAKE signing. See BC(3) for location and spacing of construction speed zone signing when required.
- Give Us a Brake (CW21-1T) signs and supports shall be considered subsidiary to Item 502, "Barricades, Signs and Traffic Handling."
- The 96" X 48" Working For You Give Us A BRAKE (G20-7T) may use a 1/2" or 5/8" plywood substrate or 0.125" aluminum sheeting substrate and may be supported by two 4" x 6" wood posts with drilled holes for breakaway as per BC(5) and will be subsidiary to Item 502.
- The Working For You Give Us A BRAKE (G20-7T) 192" X 96" sign shall be paid for under the following specification items:
 Item 636 - Aluminum Signs
 Item 647 - Large Roadside Sign Supports and Assemblies.
 Item 416 - Drilled Shaft Foundations
- All signs shall be constructed in accordance with the details found in the "Standard Highway Sign Designs for Texas," latest edition. Sign details not shown in this manual shall be shown in the plans or the Engineer shall provide a detail to the Contractor before the sign is manufactured.



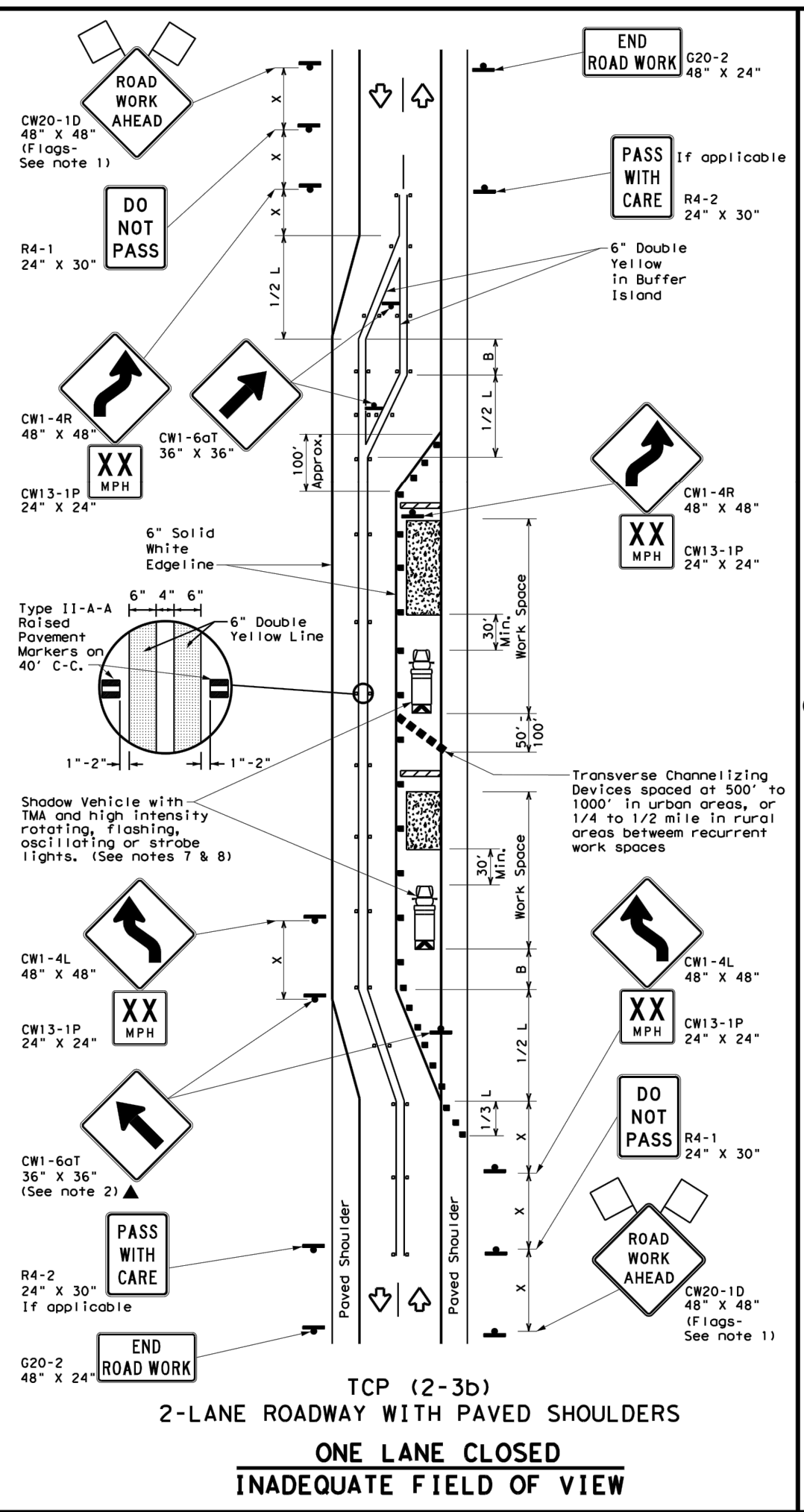
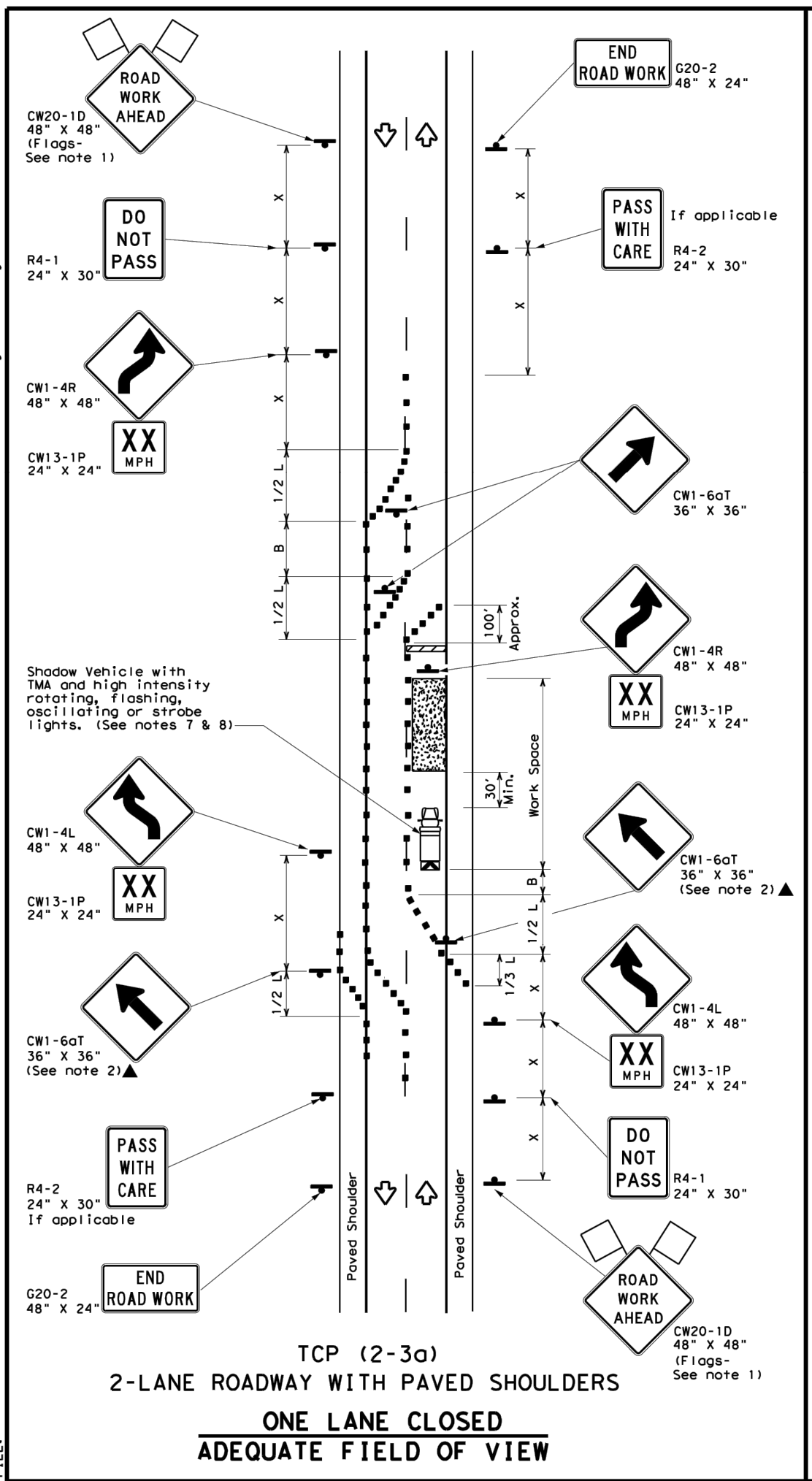
WORK ZONE
"GIVE US A BRAKE"
SIGNS

WZ (BRK) - 13

FILE: wzbrk-13.dgn	DW: TxDOT	CR: TxDOT	OW: TxDOT	CK: TxDOT
© TxDOT August 1995	CONT	SECT	JOB	HIGHWAY
REVISIONS				
6-96 5-98 7-13	DIST	COUNTY	SHEET NO.	
8-96 3-03			D-02	

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LEGEND			
	Type 3 Barricade		Channelizing Devices
	Heavy Work Vehicle		Truck Mounted Attenuator (TMA)
	Trailer Mounted Flashing Arrow Board		Raised Pavement Markers Ty II-AA
	Sign		Traffic Flow
	Flag		Flagger

Posted Speed * S	Formula L = WS ² / 60	Minimum Desirable Taper Lengths **			Suggested Maximum Spacing of Channelizing Devices		Minimum Sign Spacing "x" Distance	Suggested Longitudinal Buffer Space "b"
		10' Offset	11' Offset	12' Offset	On a Taper	On a Tangent		
30	L = WS ² / 60	150'	165'	180'	30'	60'	120'	90'
35		205'	225'	245'	35'	70'	160'	120'
40		265'	295'	320'	40'	80'	240'	155'
45	L = WS	450'	495'	540'	45'	90'	320'	195'
50		500'	550'	600'	50'	100'	400'	240'
55		550'	605'	660'	55'	110'	500'	295'
60		600'	660'	720'	60'	120'	600'	350'
65		650'	715'	780'	65'	130'	700'	410'
70	700'	770'	840'	70'	140'	800'	475'	
75	750'	825'	900'	75'	150'	900'	540'	

* Conventional Roads Only
** Taper lengths have been rounded off.
L=Length of Taper (FT) W=Width of Offset (FT) S=Posted Speed (MPH)

TYPICAL USAGE				
MOBILE	SHORT DURATION	SHORT TERM STATIONARY	INTERMEDIATE TERM STATIONARY	LONG TERM STATIONARY
			✓	✓
TCP (2-3b) ONLY				

- GENERAL NOTES**
- Flags attached to signs where shown, are REQUIRED.
 - All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol may be omitted when stated elsewhere in the plans, or for routine maintenance work, when approved by the Engineer.
 - When work space will be in place less than three days existing pavement markings may remain in place. Channelizing devices shall be used to separate traffic.
 - Flagger control should NOT be used unless roadway conditions or heavy traffic volume require additional emphasis to safely control traffic. Flagger should be positioned at end of traffic queue.
 - The R4-1 "DO NOT PASS," R4-2 "PASS WITH CARE" and construction regulatory speed zone signs may be installed within CW20-1D "ROAD WORK AHEAD" signs. Proper spacing of signs shall be maintained.
 - Conflicting pavement marking shall be removed for long term projects.
 - A Shadow Vehicle with a TMA should be used anytime it can be positioned 30 to 100 feet in advance of the area of crew exposure without adversely affecting the performance or quality of the work. If workers are no longer present but road or work conditions require the traffic control to remain in place, Type 3 Barricades or other channelizing devices may be substituted.
 - Additional Shadow Vehicles with TMAs may be positioned off the paved surface, next to those shown in order to protect a wider work space.
- TCP (2-3a)**
- Conflicting pavement markings shall be removed for long-term projects. For shorter durations where traffic is directed over a yellow centerline, channelizing devices which separate two-way traffic should be spaced on tapers at 20' or 15' if posted speeds are 35 mph or slower, and for tangent sections, at 1/2(S) where S is the speed in mph. This tighter device spacing is intended for the area of the conflicting markings, not the entire work zone.

		Traffic Safety Division Standard	
TRAFFIC CONTROL PLAN			
TRAFFIC SHIFTS ON			
TWO-LANE ROADS			
TCP (2-3) - 23			
FILE: tcp(2-3) - 23.dgn	DN: CK: DW: CK:		
© TxDOT April 2023	CONT SECT JOB HIGHWAY		
REVISIONS			
12-85 4-98 2-18			
8-95 3-03 4-23			
1-97 2-12			
		DIST COUNTY	SHEET NO. 163