

TOWN OF CROSS ROADS, TEXAS PLANS FOR 2022 STREET REHABILITATION PHASE 1

PROJECT # _____



TOWN OFFICIALS

MAYOR

T. LYNN TOMPKINS JR.

MAYOR PRO-TEM

DAVID MEEK

COUNCIL MEMBERS

RON KING
GREG GAALEMA
KAY NEUBAUER
WENDY WHITE-STEVENSON

TOWN ADMINISTRATOR

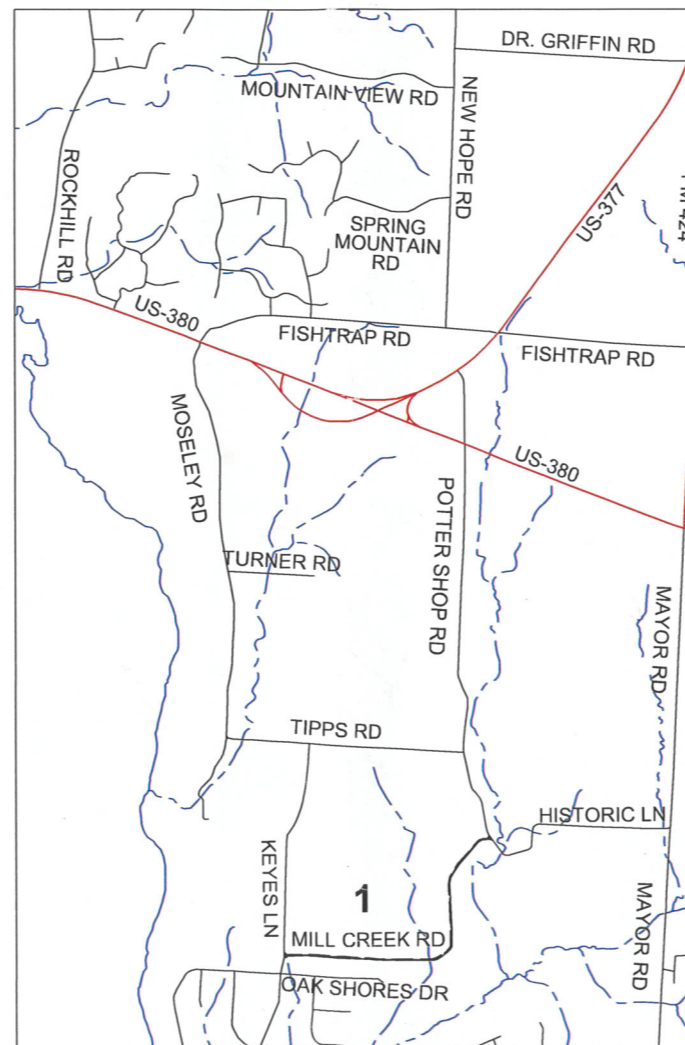
KRISTI GILBERT

PRESIDENT OF MUNICIPAL DEVELOPMENT DISTRICT

JOHN KNOX

TOWN ENGINEER

LEIGH A. HOLLIS, P.E.



LOCATION MAP
N.T.S.

PROJECT LOCATIONS

1 MILL CREEK ROAD - SHEETS 4-10

OCTOBER 2022

AVO 43608



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2022 STREET REHABILITATION
PHASE 1
 CROSS ROADS, TEXAS



Revision No.	Date	Description

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Scale:	N.T.S.
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GENERAL NOTES

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PLANS, TECHNICAL SPECIFICATIONS AND STANDARD CONSTRUCTION DETAILS OF THE TOWN OF CROSS ROADS, THE LAWS OF THE STATE OF TEXAS, OSHA STANDARDS AND THE NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS (NCTCOG) PUBLIC WORKS CONSTRUCTION STANDARDS (LATEST EDITION).
2. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREE TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE WHICH MIGHT OCCUR DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION FOR FIELD LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO ANY EXCAVATION.

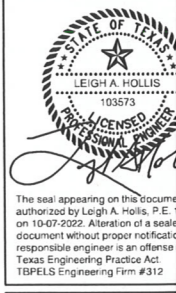
MUSTANG SPECIAL UTILITY DISTRICT 940-440-9561
TEXAS EXCAVATION SAFETY SYSTEM (TESS) 800-DIGG-TESS

THE CONTRACTOR SHALL BRACE ALL UTILITY POLES AS REQUIRED TO MAINTAIN STABILITY OF THE POLES DURING CONSTRUCTION. CONTACT ELECTRIC COMPANY 48 HOURS PRIOR TO THE START OF ANY CONSTRUCTION IN THE VICINITY OF THEIR POLES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING AND SUPPORTING EXISTING UTILITIES DURING CONSTRUCTION. THERE SHALL NOT BE A SEPARATE PAY ITEM FOR THE TEMPORARY SUPPORT OF EXISTING UTILITIES DURING CONSTRUCTION.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS PRIOR TO CONSTRUCTION. NO SEPARATE PAY ITEM.
5. THE CONTRACTOR SHALL PROVIDE AT LEAST ONE CHEMICALLY TREATED PORTABLE TOILET FOR EVERY 20 WORKMEN ON THE JOB SITE AT EACH LOCATION. A MINIMUM OF ONE TOILET IS REQUIRED. THE UNIT(S) SHALL REMAIN ON THE SITE DURING ALL ACTIVE PHASES OF CONSTRUCTION. THE CONTRACTOR SHALL ENFORCE THE USE OF THE FACILITIES BY ALL PERSONNEL AT THE SITE. THE UNIT(S) SHALL BE OBSCURED FROM PUBLIC VIEW TO THE GREATEST EXTENT PRACTICAL.
6. THE CONTRACTOR SHALL NOTIFY THE RESIDENTS 7 WORKING DAYS PRIOR TO MOVE-IN AND 24 HOURS PRIOR TO THE INTERRUPTION OF ANY SERVICE OR ACCESS. CONSTRUCTION ACTIVITY, INCLUDING FINAL CLEANUP/SITE RESTORATION, SHALL BE LIMITED TO NO MORE THAN THREE (3) STREETS, WHICHEVER IS GREATER, DURING THE PROJECT. NOTIFICATION LETTERS TO BE REVIEWED AND APPROVED BY THE TOWN ENGINEER PRIOR TO DELIVERY TO RESIDENTS.
7. THE CONTRACTOR SHALL PROTECT ALL EXISTING TREES, BUSHES, LANDSCAPING PLANTS, SPRINKLERS AND LAWNS UNLESS OTHERWISE NOTED ON THE PLANS. ANY DAMAGES TO THE SAME, EXCLUSIVE OF THOSE NOTED ON THE PLANS, CAUSED BY CONSTRUCTION ACTIVITIES SHALL BE REPLACED TO THE SATISFACTION OF AND AT NO ADDITIONAL COST TO THE TOWN. ANY GRASS DAMAGED BEYOND THE LIMITS SHOWN ON THE PLANS SHALL BE REPLACED WITH BERMUDA OR ST. AUGUSTINE TO MATCH THE EXISTING LAWN. SEE GENERAL SITE PREPARATION SPECS.
8. THE CONTRACTOR SHALL PROTECT ALL EXISTING CULVERTS (UNLESS OTHERWISE SHOWN ON THE DRAWINGS), FENCES AND MAILBOXES DURING CONSTRUCTION. ANY DAMAGES TO THE SAME (EXCLUSIVE OF THOSE NOTED ON THE DRAWINGS) CAUSED BY CONSTRUCTION ACTIVITIES SHALL BE REPLACED TO THE SATISFACTION OF AND AT NO ADDITIONAL COST TO THE TOWN. CONTINUOUS MAIL SERVICE SHALL BE MAINTAINED DURING CONSTRUCTION. COORDINATION TO ACHIEVE THIS IS THE CONTRACTOR'S RESPONSIBILITY.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PUBLIC SAFETY THROUGHOUT THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY BARRICADES, WARNING SIGNS, FLARES, FLASHING DEVICES, LIGHTING, FLAG PERSONS, ETC., ADEQUATE TO SAFEGUARD THE PUBLIC FROM ANY HAZARDS RESULTING FROM CONSTRUCTION RELATED CONDITIONS DURING WORKING AND NON-WORKING HOURS. ALL PEDESTRIAN AND VEHICULAR TRAFFIC CONTROL DEVICES INSTALLED FOR THIS PROJECT SHALL CONFORM TO THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION. IF AT ANY TIME DURING THE PROJECT THE CONTRACTOR'S PROPOSED PLAN OF OPERATION FOR HANDLING TRAFFIC CONTROL DOES NOT PROVIDE FOR THE SAFE AND COMFORTABLE MOVEMENT OF PEDESTRIANS AND VEHICLES, THE CONTRACTOR SHALL IMMEDIATELY CHANGE THEIR OPERATIONS AND/OR TRAFFIC CONTROL DEVICES TO CORRECT THE UNSATISFACTORY CONDITION.
10. TEMPORARY SIGNS WILL BE REQUIRED DURING CONSTRUCTION FOR THE EXISTING SIGNING WHICH INTERFERES WITH THE CONSTRUCTION. THE EXISTING SIGN FACES ON TEMPORARY SUPPORTS MAY BE USED FOR THE TEMPORARY SIGNS AS LONG AS THEY ARE REMOVED AND ERECTED ON TEMPORARY MOUNTS ON THE SAME DAY. THE WARNING AND REGULATORY SIGNS MUST BE IN PLACE AT ALL TIMES. ALL SIGNS CONFLICTING WITH CONSTRUCTION ACTIVITY AND IMPROVEMENTS SHALL BE RELOCATED AT NO ADDITIONAL COST TO THE OWNER.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING STREETS ADJACENT TO THE PROJECT FREE OF MUD AND CONSTRUCTION DEBRIS AT ALL TIMES. NO SEPARATE PAY ITEM.
12. ONLY THOSE ITEMS LISTED IN THE BID SCHEDULE WILL BE MEASURED AND PAID FOR AT THEIR UNIT PRICE. ALL OTHER WORK NOT LISTED IN THE BID SCHEDULE SHALL BE CONSIDERED SUBSIDIARY TO ALL PAY ITEMS.
13. ALL EXCAVATION AND DISPOSAL OF WASTE MATERIALS SHALL BE CONSIDERED SUBSIDIARY TO ALL PAY ITEMS.
14. THE CONTRACTOR SHALL NOT PLACE ANY FILL OR WASTE MATERIAL ON ANY PRIVATE PROPERTY WITHOUT A PRIOR WRITTEN AGREEMENT FROM THE OWNER OF SAID PROPERTY. THE CONTRACTOR SHALL PROVIDE THE TOWN WITH A COPY OF THE AGREEMENT PRIOR TO PLACEMENT.
15. THE CONTRACTOR SHALL ADJUST ALL VALVE STACKS AND BOXES, CLEANOUTS, AND MANHOLE LIDS TO FINISHED GRADE OF THE PROPOSED PAVEMENT.
16. ALL STREETS WITHIN THE SCOPE OF THE CONTRACT SHALL BE KEPT ACCESSIBLE TO EMERGENCY VEHICLES AT ALL TIMES. TEMPORARY ACCESS SHALL BE PROVIDED TO ALL RESIDENCES AS NEEDED. ANY TEMPORARY ASPHALT AND/OR GRAVEL NECESSARY TO MAINTAIN ACCESS IS SUBSIDIARY TO THE PROJECT.
17. THE CONTRACTOR SHALL PROTECT ALL DRIVEWAYS UNLESS OTHERWISE NOTED ON THE DRAWINGS. ANY DAMAGES TO THE SAME (EXCLUSION OF THOSE NOTED ON THE DRAWINGS) CAUSED BY CONSTRUCTION ACTIVITIES SHALL BE REPLACED TO THE SATISFACTION OF AND AT NO ADDITIONAL COST TO THE TOWN. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL DRIVEWAYS AT ALL TIMES. IF ANY DAMAGED IS SUSTAINED TO EXISTING DRIVEWAYS THE CONTRACTOR SHALL REPLACE THE ENTIRE DRIVEWAY APPROACH UP TO THE CURB RETURN OR RIGHT OF WAY LIMIT, WHICHEVER IS GREATER, AT NO ADDITIONAL COST.
18. THE CONTRACTOR SHALL NEATLY SAW-CUT FULL DEPTH ALL PAVEMENT, CURB AND GUTTER AND DRIVEWAYS AS NECESSARY. NO SEPARATE PAY ITEM.
19. THE CONTRACTOR SHALL PROVIDE MEANS FOR ADEQUATELY CONTROLLING AND AVOIDING SOIL EROSION DURING CONSTRUCTION. THE CONTRACTOR SHALL MEET EPA AND TCEQ NPDES REGULATIONS CONCERNING EROSION AND SEDIMENT CONTROL. EXISTING CURB INLETS LOCATED DOWNSTREAM FROM CONSTRUCTION ACTIVITIES SHALL INCORPORATE BLOCK AND GRAVEL INLET PROTECTION PER NCTCOG STD. DWG. 1130.
20. WORK HOURS WILL BE MONDAY-FRIDAY, 8 AM TO 6 PM. WORK PERFORMED ON SATURDAY MUST HAVE PRIOR PERMISSION FROM THE TOWN. REQUEST FOR SATURDAY WORK SHALL BE MADE TO THE TOWN ENGINEER PRIOR TO 12:00 NOON ON THURSDAY. OVERTIME RATES WILL APPLY FOR AFTER HRS & SATURDAY WORK.
21. THE CONTRACTOR SHALL INSTALL NEW BLUE REFLECTIVE FIRE HYDRANT LOCATION MARKERS AFTER REPLACEMENT OF THE PROPOSED HMAC OVERLAY. NO SEPARATE PAY ITEM.
22. THE CONTRACTOR SHALL FURNISH A TRAFFIC CONTROL PLAN THAT IS COMPLIANT WITH MUTCD GUIDELINES. THE TRAFFIC CONTROL PLAN SHALL BE FOR ALL WORKING AREAS, AND SUBMITTED TO THE TOWN PUBLIC WORKS DEPARTMENT FOR APPROVAL PRIOR TO THE PRE-CONSTRUCTION MEETING. TWO-WAY TRAFFIC MUST BE MAINTAINED AT ALL TIMES. ONE LANE 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 GUIDANCE AND PROTECTION OF TRAFFIC AND PEDESTRIANS, MUST CONFORM TO THE INSTALLATION SHOWN IN THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (LATEST EDITION), TEXAS DEPARTMENT OF TRANSPORTATION.
23. THE CONTRACTOR SHALL BE REQUIRED TO VIDEO ALL CONSTRUCTION SITES AND SUBMIT A CONSTRUCTION VIDEO TO THE ENGINEER PRIOR TO BEGINNING WORK. THE VIDEO SHALL CONTAIN REFERENCES TO THE DATE AND ADDRESS OF EACH PROPERTY. THE VIDEO SHALL BE PROFESSIONAL QUALITY, SUBJECT TO APPROVAL BY THE TOWN ENGINEER. NO SEPARATE PAY ITEM.
24. SIGNS ON SKIDS SHALL BE WEIGHTED DOWN WITH THE APPROPRIATE NUMBER OF SANDBAGS. THE SIGN SURFACE SHALL BE 4' x 4' PLYWOOD WITH FINISHED WHITE SURFACE AND TOWN OF CROSS ROADS LOGO. SIGNS WILL HAVE TWO (2) LINES OF WRITING STATING "YOUR STREET MAINTENANCE SALES TAX DOLLARS AT WORK" AND "2022 STREET REHABILITATION PHASE 1". CONSTRUCTION SIGNS WILL BE MOUNTED ON 4" x 4" MATERIAL, EXCEPT FOR 2" x 4" BRACES AND 4' x 4' PLYWOOD. SIGN DESIGN TO BE APPROVED BY TOWN ENGINEER. CONTRACTOR WILL BE REQUIRED TO CONSTRUCT TWO (2) PROJECT SIGNS PER STREET AND HAVE THEM PLACED AT LOCATIONS APPROVED BY THE TOWN ENGINEER.
25. ALL QUANTITIES SHALL BE FIELD MEASURED FOR PAYMENT BY CONTRACTOR AND APPROVED BY THE TOWN OF CROSS ROADS
26. THE CONTRACTOR MUST CONTACT THE MUSTANG SPECIAL UTILITY DISTRICT TO OBTAIN A FIRE HYDRANT METER. A DEPOSIT WILL BE REQUIRED AND INSTRUCTIONS WILL BE PROVIDED TO THE CONTRACTOR AT THE TIME THE METER IS CHECKED OUT. THE METER MUST REMAIN IN THIS PROJECT. THE METER CANNOT BE USED FOR ANY OTHER PROJECT.
27. SUPERVISION BY AN ENGLISH SPEAKING SUPERVISOR IS REQUIRED AT THE PROJECT LOCATION AT ALL TIMES. THE SUPERVISOR MUST HAVE THE AUTHORITY TO MAKE PROJECT RELATED DECISIONS ON SITE AND MUST BE ACCESSIBLE TO THE TOWN OF CROSS ROADS.
28. THE CONTRACTOR IS RESPONSIBLE FOR THE REPLACEMENT OF FRENCH DRAINS, PIPE DRAINS, OR ANY YARD DRAINAGE THAT IS NOTICEABLE. THE CONTRACTOR SHALL USE PVC MATERIAL PIPING TO REPLACE SUCH ITEMS. NO SEPARATE PAY ITEM.
29. ITEMS TO BE REMOVED MUST BE VERIFIED WITH PROJECT INSPECTOR PRIOR TO REMOVAL. ANY ITEMS REMOVED WITHOUT VERIFICATION SHALL NOT BE PAID FOR REPLACEMENT.
30. 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 AT A LOCATION ACCEPTABLE TO THE TOWN'S FLOOD PLAIN ADMINISTRATOR IF WITHIN THE TOWN LIMITS. IF THE LOCATION IS NOT WITHIN THE TOWN LIMITS, THE CONTRACTOR SHALL PROVIDE A LETTER STATING SO. NO EXCESS EXCAVATED MATERIAL SHALL BE DEPOSITED IN LOW AREAS ALONG NATURAL DRAINAGE WAYS, EXCLUSIVE OF SPECIFIC LOCATIONS NOTED IN THE PLANS, WITHOUT WRITTEN PERMISSION FROM THE AFFECTED PROPERTY OWNER AND THE TOWN'S FLOOD PLAIN ADMINISTRATOR. IF THE CONTRACTOR PLACES EXCESS MATERIAL IN THE AREAS WITHOUT PERMISSION, HE WILL BE RESPONSIBLE FOR ALL DAMAGE RESULTING FROM SUCH FILL AND HE SHALL REMOVE MATERIAL AT HIS OWN COST.
31. CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE SERVICES OF A MATERIALS TESTING LABORATORY. THE LABORATORY SHALL BE APPROVED BY THE TOWN PRIOR TO THE START OF CONSTRUCTION.
32. ELEVATIONS, IF ANY, SHOWN ON PLANS ARE FOR REFERENCE ONLY. CONTRACTOR SHALL ESTABLISH ALL GRADES IN THE FIELD AND VERIFY WITH TOWN INSPECTOR. CONTRACTOR SHALL FACILITATE PROPER DRAINAGE.
33. PAVING CONTRACTOR WILL BE REQUIRED TO COORDINATE DRIVE ACCESS ISSUES WITH NEIGHBORS DURING THE PAVING PROCESS. EFFECTED NEIGHBORS WILL NEED TO PARK OUTSIDE THE CONSTRUCTION ZONE OR USE UNAFFECTED NEIGHBOR'S DRIVEWAY WHILE PAVING IS COMPLETED AND CURED IN FRONT OF THEIR HOME.
34. THE CONTRACTOR MUST REPAIR ANY DAMAGE TO IRRIGATION WITHIN THREE DAYS. THE CONTRACTOR SHALL NOT WAIT UNTIL THE END OF THE PROJECT TO MAKE THESE REPAIRS.
35. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETING STREET CLEAN UP ACTIVITY AND SHALL HAVE STREET RETURNED TO PRE-CONSTRUCTION CONDITIONS WITHIN FOURTEEN (14) DAYS OF FINISHING CONSTRUCTION. IF THIS IS NOT MET ALL CONSTRUCTION ACTIVITY IS AT RISK OF BEING SHUT DOWN UNTIL CLEANING AND STREET RESTORATION IS COMPLETE.
36. CONTRACTOR SHALL COORDINATE LOCATIONS FOR STAGING AREA WITH THE TOWN. ALL DISTURBED AREAS SHALL BE RE-GRADED AND SODDED UPON COMPLETION OF EACH STREET SUBSIDIARY TO GENERAL SITE PREPARATION. STAGING AREAS SHALL BE REMOVED WITH LAND RETURNED TO PRE-PROJECT CONDITIONS WITHIN TWO WEEKS OF COMPLETION OF EACH PROJECT LOCATION. STAGING AREAS MAY BE UTILIZED FOR MULTIPLE STREETS IN CLOSE PROXIMITY AT THE DISCRETION OF THE TOWN. NO MORE THAN THREE (3) STAGING AREAS SHALL BE UTILIZED AT ANY TIME. NO CONSTRUCTION EQUIPMENT OR VEHICLES SHALL BE LEFT ON ANY STREET FOR MORE THAN ONE WEEK AND IN NO CASE ON A SATURDAY OR SUNDAY. EACH STAGING AREA SHALL HAVE A PERIMETER FENCE AND CONSTRUCTION ENTRANCE/EXIT. STAGING AREAS ARE TO BE USED FOR CONSTRUCTION TRAILERS, WATER LINE AND EQUIPMENT STORAGE ONLY. NO FILL DIRT OR STOCKPILES OF ANY KIND SHALL BE STORED. WATERING TO ESTABLISH REPLACED SOD UNTIL 85% COVERAGE AND TO THE SATISFACTION OF THE ENGINEER. ALL LABOR, MATERIAL, EQUIPMENT AND OTHER INCIDENTALS NECESSARY FOR STAGING AREA SHALL BE SUBSIDIARY TO GENERAL SITE PREPARATION.
37. PROPERTY LINES SHOWN ARE APPROXIMATE. ALL WORK SHALL BE CONTAINED WITHIN EXISTING ROADWAY SECTION. NO FENCES SHALL BE REMOVED OR CROSSED.
38. SECTIONS MARKED FOR DITCH REPAIR, DITCHWORK WILL CONSIST OF 12" ROCK RIP-RAP WHERE NOTED ON THE PLANS. THE REMAINDER OF THE DITCH WILL BE FILLED WITH EXCESS MATERIAL PER SPECIFICATIONS.
39. THE TYPE OF RIP-RAP USED AT THE DOWNSTREAM END OF CULVERTS WILL BE 12" ROCK RIP-RAP. THE RIP-RAP WILL BE PLACED AT LOCATIONS AND DIMENSIONS NOTED IN THE PLANS.

2022 STREET REHABILITATION
PHASE 1
CROSS ROADS, TEXAS

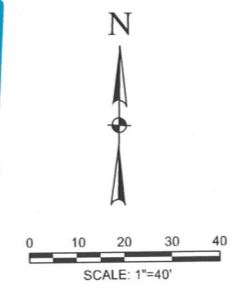
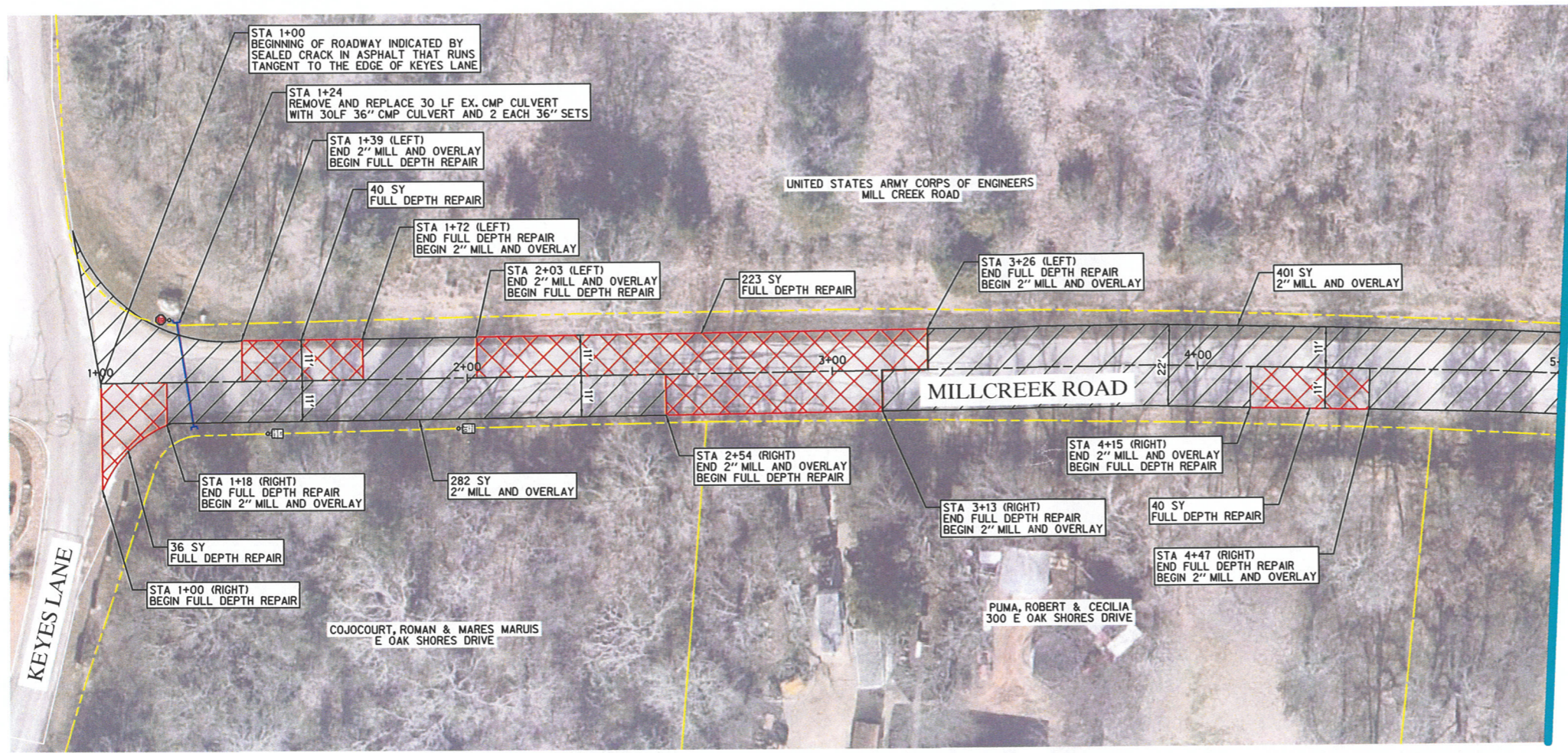


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GENERAL NOTE



LEGEND

	2" MILL AND OVERLAY
	FULL DEPTH ASPHALT REPAIR
	DITCH REWORK & BACKFILL OF PAVEMENT EDGES
	CULVERT STREAM REPAIR WITH 12" ROCK RIPRAP
	CROSS CULVERT
	PARCELS/ROW/PROP. LINES
	MATCHLINE
	PAVEMENT CENTERLINE
	FIRE HYDRANT
	MAILBOX

- NOTES:**
- NO SURVEY CONTROL FOR PROJECT. CONTRACTOR SHALL STAKE STATIONS BASED OFF CENTERLINE FIELD MEASUREMENTS. CONTRACTOR SHALL MARK PROPOSED FULL DEPTH LOCATIONS FOR ENGINEER CONFIRMATION PRIOR TO BEGINNING OF WORK.
 - DITCH REWORK AND REGRADE ITEM SHALL INCLUDE BACK FILLING DITCH WITH IN-SITU MATERIALS TO A MAX SIDE SLOPE OF 3:1, PROVIDED POSITIVE DRAINAGE IS MAINTAINED. COMPACTION AND SEEDING OF BACK FILL MATERIAL IS SUBSIDIARY TO THE WORK ON THIS ITEM.
 - BACK FILL OF PAVEMENT EDGES INCLUDES REWORKING AND COMPACTION OF EARTH UP TO 3' FROM THE PAVEMENT EDGE TO 95% STANDARD PROCTOR DENSITY. IN-SITU MATERIAL TO BE ADDED AS FILL MATERIAL AS REQUIRED BY GRADES. SUBSIDIARY TO THE UNIT COST.
 - CONCRETE DRIVEWAY APPROACHES TO REMAIN SHALL BE SAWCUT ALONG ASPHALT REPLACEMENT LIMITS TO PROVIDE A SMOOTH EDGE AT A COST SUBSIDIARY TO THE PROJECT.
 - EXISTING UTILITY LOCATIONS SHOWN ARE APPROXIMATE. NO SUE OR SURVEY WAS CONDUCTED TO VERIFY EXISTING UTILITY LOCATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES PRIOR TO COMMENCEMENT OF WORK.
 - ASPHALT PAVEMENT REMOVAL AND REPLACEMENT LIMITS ESTABLISHED BY THE USE OF FIELD INVESTIGATION AND AERIAL IMAGERY.
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 - ALL PAVEMENT SHALL BE MILLED TO A DEPTH OF 2 INCHES. FULL DEPTH REPAIR INCLUDES REMOVAL OF ADDITIONAL 10 INCHES OF MATERIAL AND PLACEMENT OF 6 INCHES OF FLEX BASE AND 4 INCHES OF TYPE B ASPHALT. THE SURFACE SHALL THEN BE OVERLAID WITH 2 INCHES OF TYPE D ASPHALT.

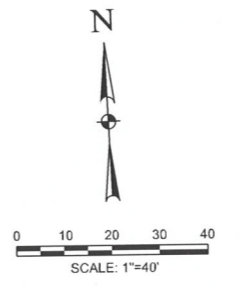
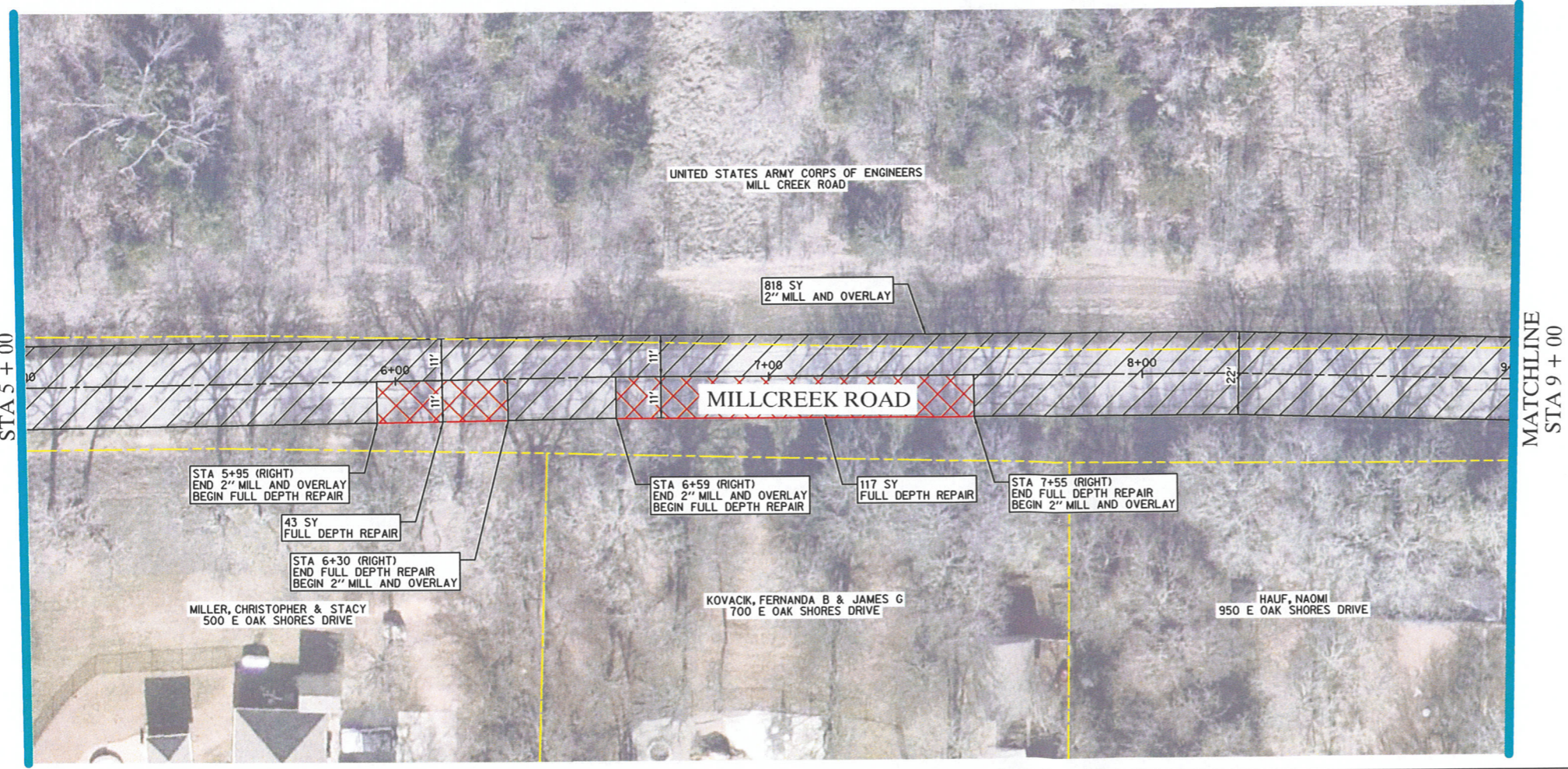
2022 STREET REHABILITATION
PHASE 1
CROSS ROADS, TEXAS

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 TBPELS ENGINEERING FIRM #312

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STATE OF TEXAS
 LEIGH A. HOLLIS
 103573
 LICENSED PROFESSIONAL ENGINEER

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SUMMARY OF IMPROVEMENTS
 THIS SHEET

PAVEMENT REMOVALS:
 2000 SY - ASPHALT PAVEMENT (2" MILL)

PAVEMENT REPAIRS:
 2000 SY - 2" OVERLAY
 499 SY - FULL DEPTH REPAIR

ADDITIONAL REPAIRS:
 30 LF - REMOVE EX. CMP CULVERT
 30 LF - 36" CMP CULVERT
 2 EA - 36" SETS



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 MILLCREEK ROAD
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 STA 9+00

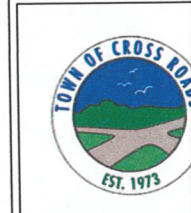
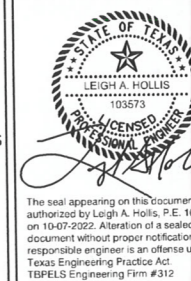
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2022 STREET REHABILITATION
PHASE 1
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LEGEND

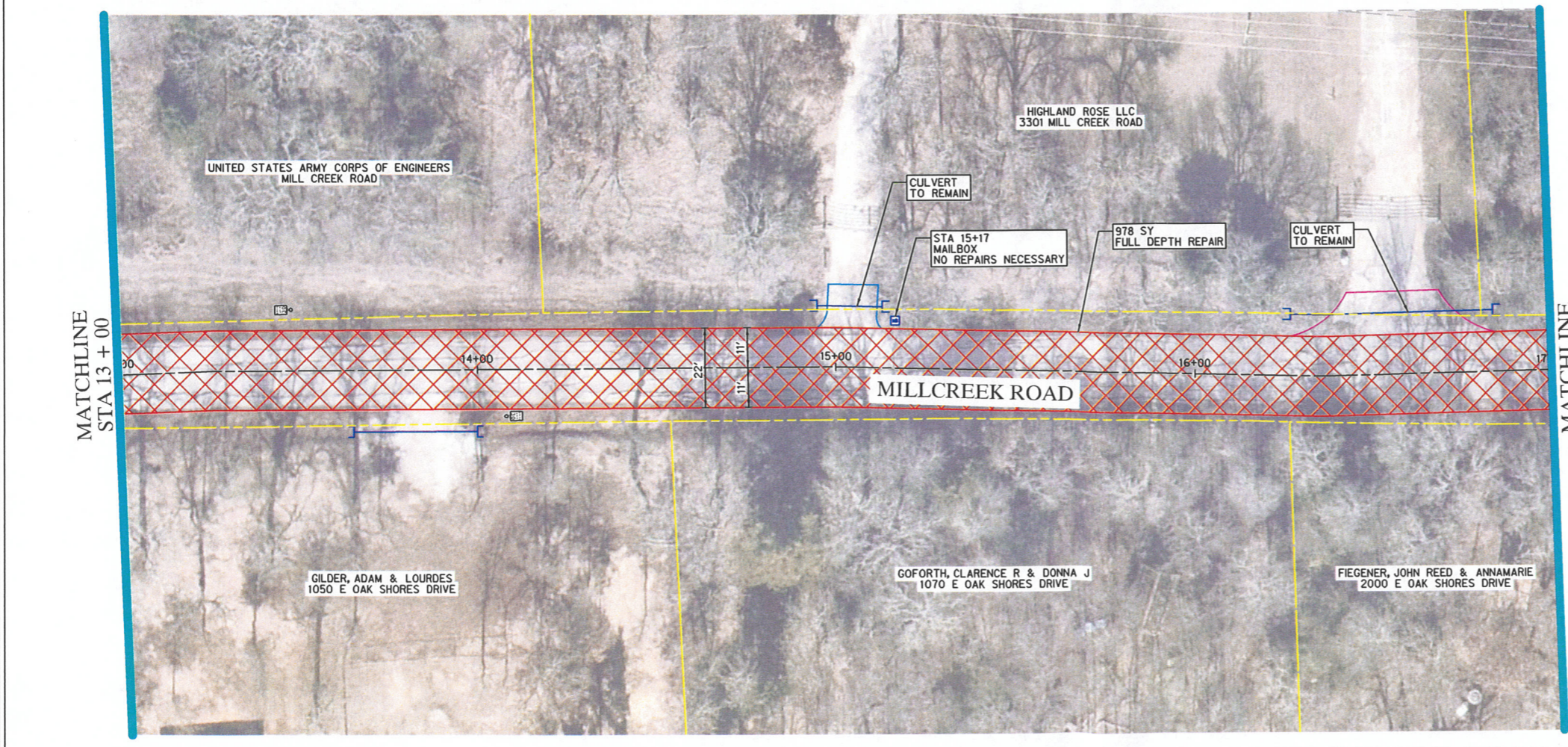
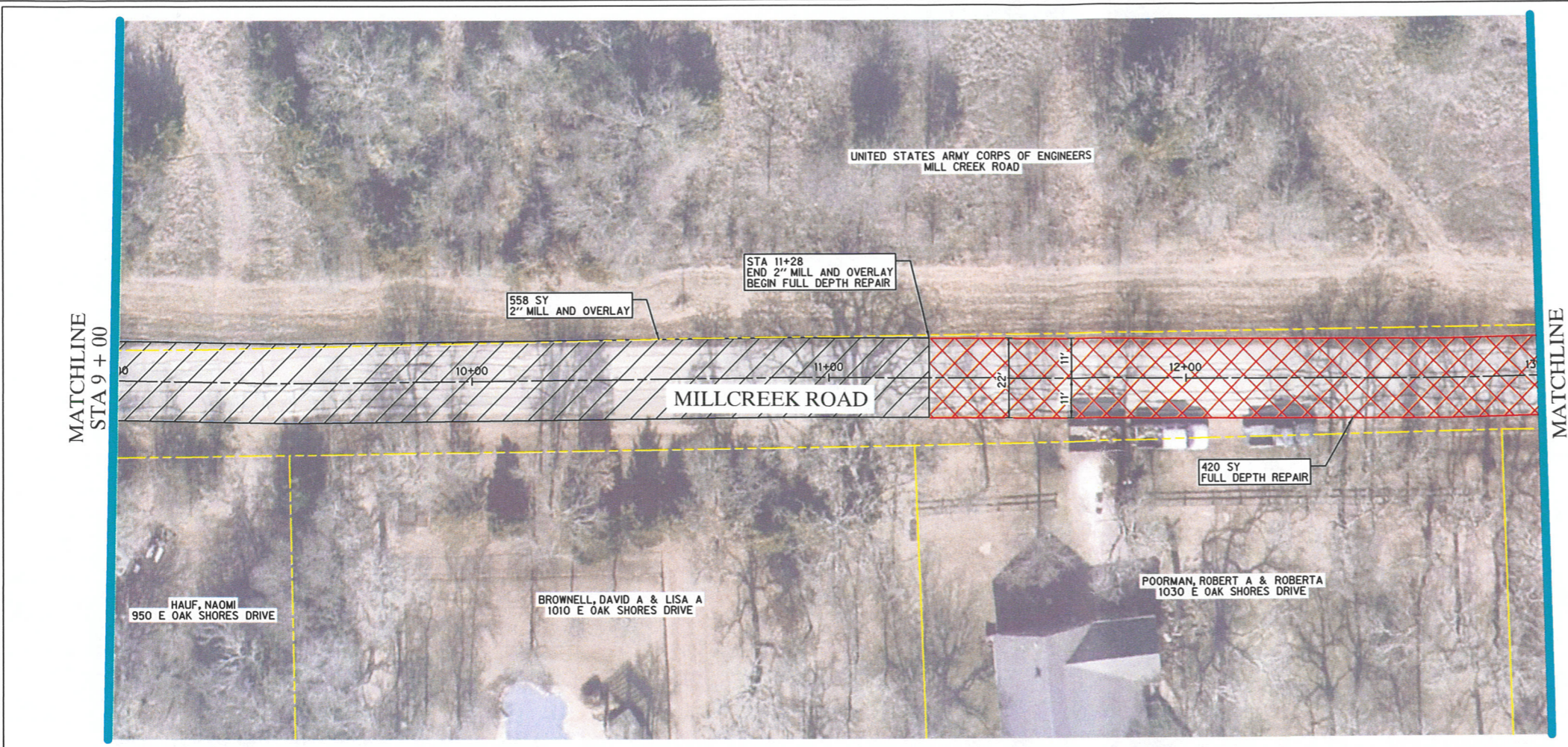
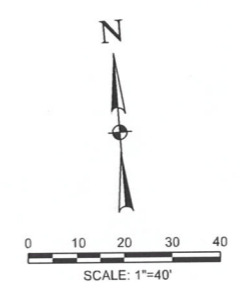
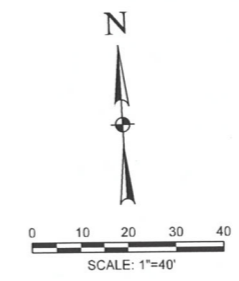
- 2" MILL AND OVERLAY
- FULL DEPTH ASPHALT REPAIR
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- CROSS CULVERT
- PARCELS/ROW/PROP. LINES
- MATCHLINE
- PAVEMENT CENTERLINE
- FIRE HYDRANT
- MAILBOX

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 - DITCH REWORK AND REGRADE ITEM SHALL INCLUDE BACK FILLING DITCH WITH IN-SITU MATERIALS TO A MAX SIDE SLOPE OF 3:1, PROVIDED POSITIVE DRAINAGE IS MAINTAINED. COMPACTION AND SEEDING OF BACK FILL MATERIAL IS SUBSIDIARY TO THE WORK ON THIS ITEM.
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**SUMMARY OF IMPROVEMENTS
THIS SHEET**

PAVEMENT REMOVALS:
1956 SY - ASPHALT PAVEMENT (2" MILL)

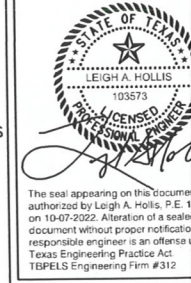
PAVEMENT REPAIRS:
1956 SY - 2" OVERLAY
1398 SY - FULL DEPTH REPAIR



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Sheet Title:	MILLCREEK RD. STA 17+00 TC STA 25+00
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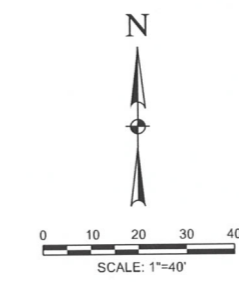
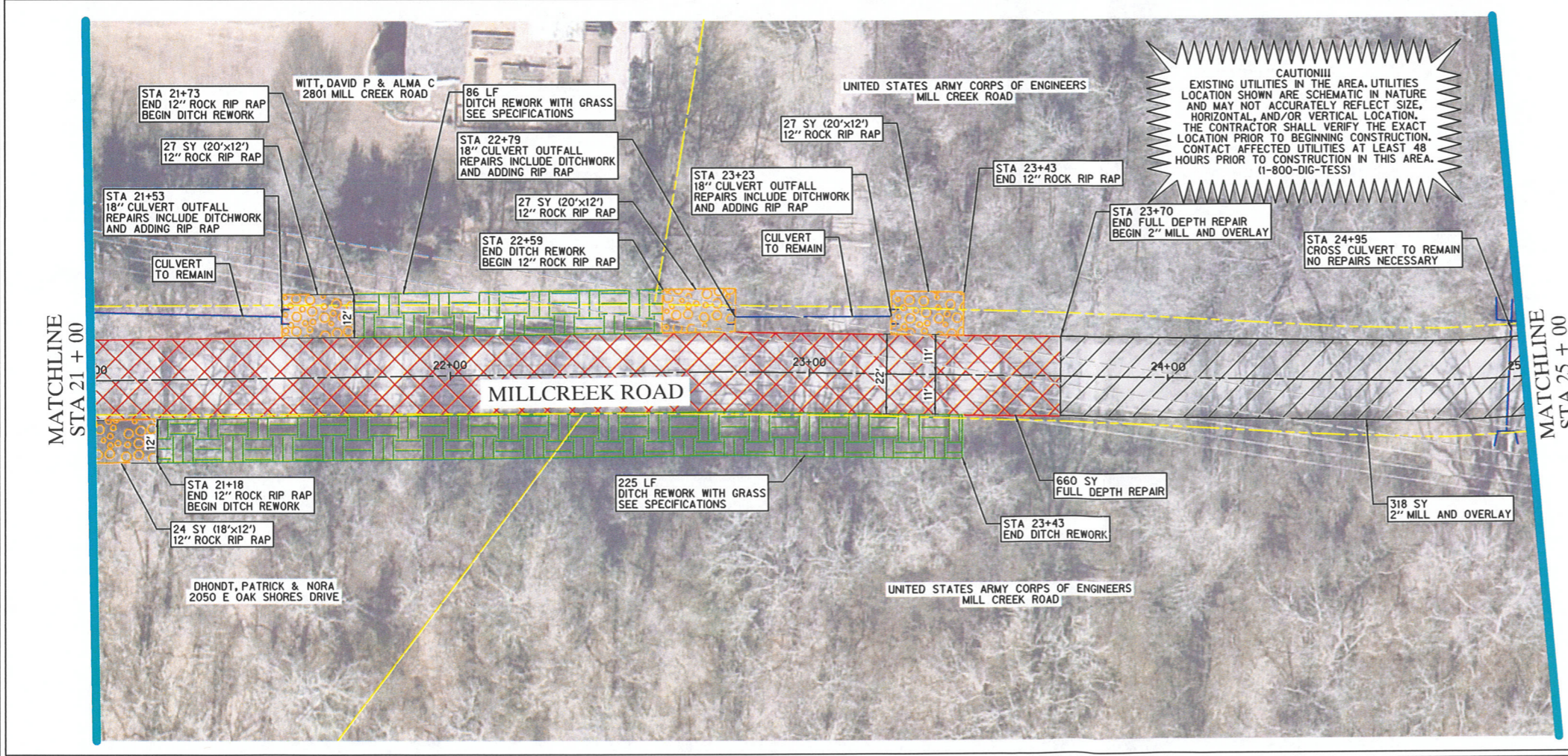
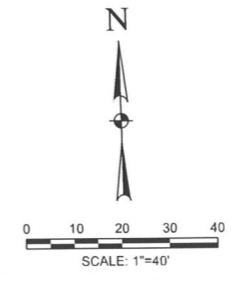
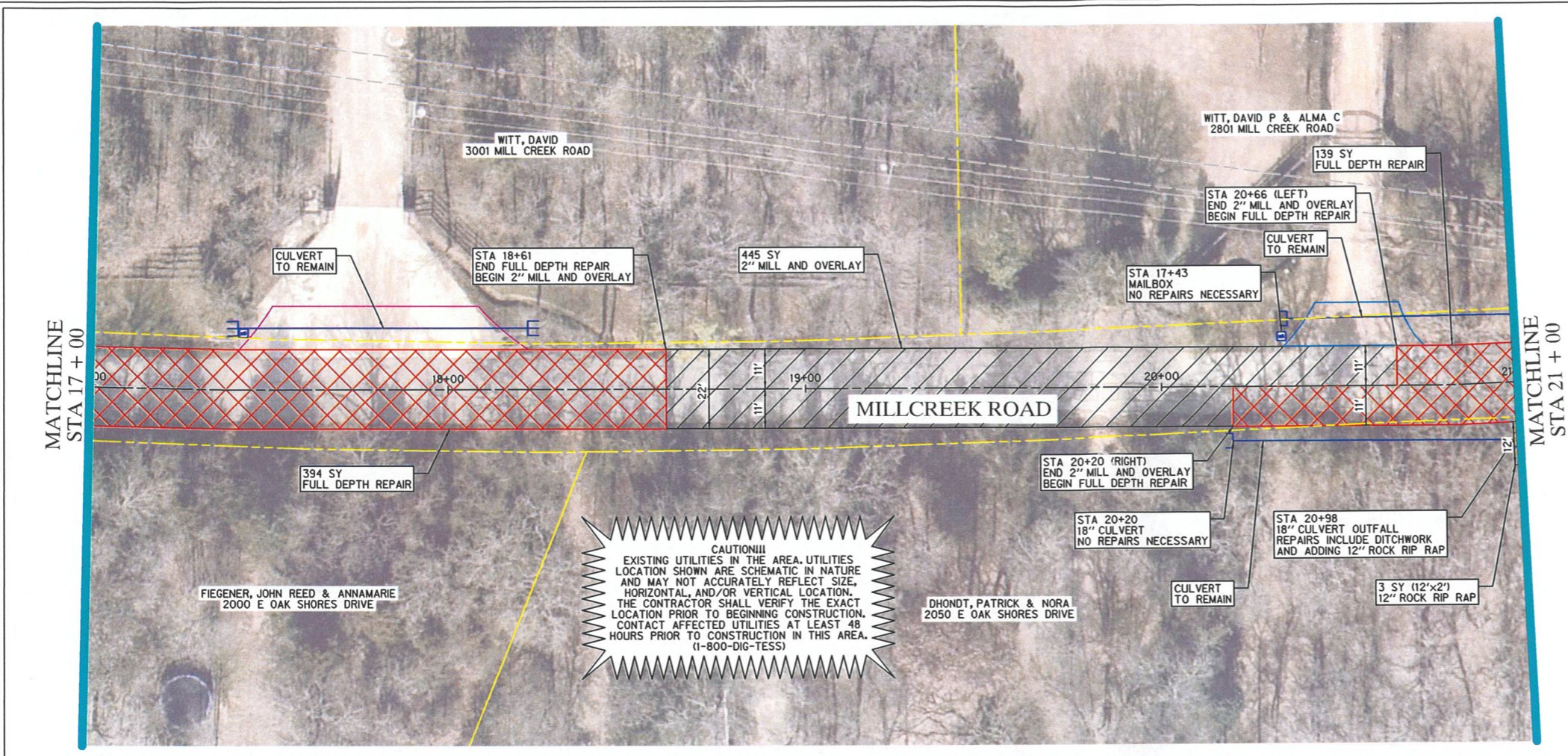
LEGEND

- 2" MILL AND OVERLAY
- FULL DEPTH ASPHALT REPAIR
- DITCH REWORK & BACKFILL OF PAVEMENT EDGES
- CULVERT STREAM REPAIR WITH 12" ROCK RIPRAP
- CROSS CULVERT
- PARCELS/ROW/PROP. LINES
- MATCHLINE
- PAVEMENT CENTERLINE
- FIRE HYDRANT
- MAILBOX

- NOTES:**
- NO SURVEY CONTROL FOR PROJECT. CONTRACTOR SHALL STAKE STATIONS BASED OFF CENTERLINE FIELD MEASUREMENTS. CONTRACTOR SHALL MARK PROPOSED FULL DEPTH LOCATIONS FOR ENGINEER CONFIRMATION PRIOR TO BEGINNING OF WORK.
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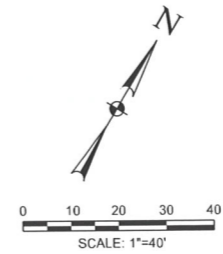
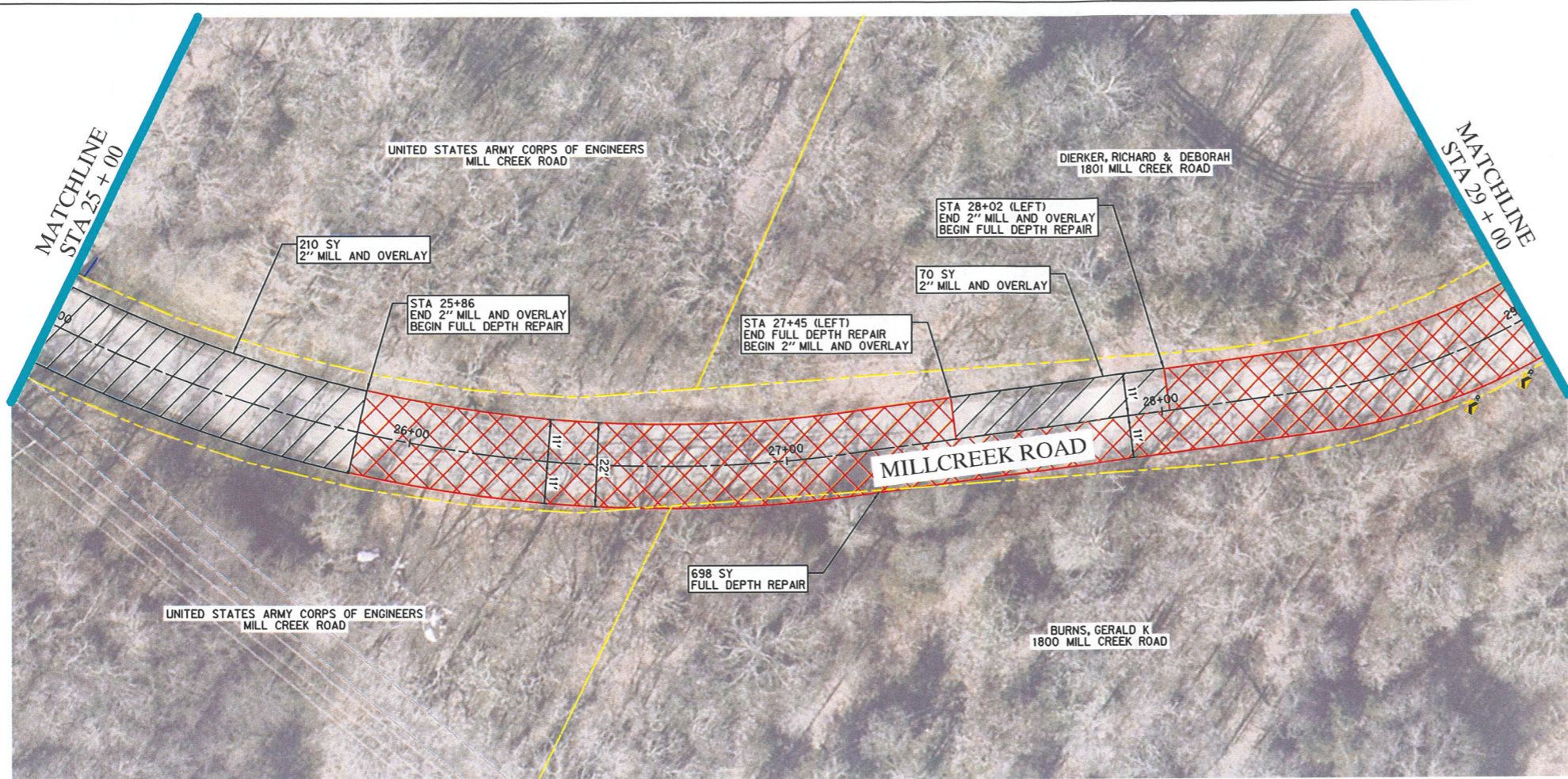
**SUMMARY OF IMPROVEMENTS
THIS SHEET**

- PAVEMENT REMOVALS:**
1956 SY - ASPHALT PAVEMENT (2" MILL)
- PAVEMENT REPAIRS:**
1956 SY - 2" OVERLAY
1193 SY - FULL DEPTH REPAIR
- ADDITIONAL REPAIRS:**
311 LF - DITCH REWORK
108 SY - 12" ROCK RIP RAP



CAUTION!!!
EXISTING UTILITIES IN THE AREA. UTILITIES LOCATION SHOWN ARE SCHEMATIC IN NATURE AND MAY NOT ACCURATELY REFLECT SIZE, HORIZONTAL, AND/OR VERTICAL LOCATION. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION PRIOR TO BEGINNING CONSTRUCTION. CONTACT AFFECTED UTILITIES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION IN THIS AREA. (1-800-DIG-TESS)

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EXISTING UTILITIES IN THE AREA. UTILITIES LOCATION SHOWN ARE SCHEMATIC IN NATURE AND MAY NOT ACCURATELY REFLECT SIZE, HORIZONTAL, AND/OR VERTICAL LOCATION. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION PRIOR TO BEGINNING CONSTRUCTION. CONTACT AFFECTED UTILITIES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION IN THIS AREA. (1-800-DIG-TESS)



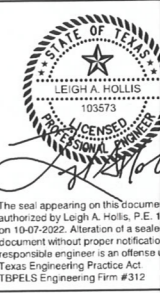
- LEGEND**
- 2" MILL AND OVERLAY
 - FULL DEPTH ASPHALT REPAIR
 - DITCH REWORK & BACKFILL OF PAVEMENT EDGES
 - CULVERT STREAM REPAIR WITH 12" ROCK RIPRAP
 - CROSS CULVERT
 - PARCELS/ROW/PROP. LINES
 - MATCHLINE
 - PAVEMENT CENTERLINE
 - FIRE HYDRANT
 - MAILBOX

- NOTES:**
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2022 STREET REHABILITATION
PHASE 1
CROSS ROADS, TEXAS



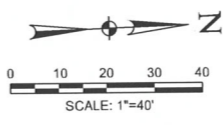
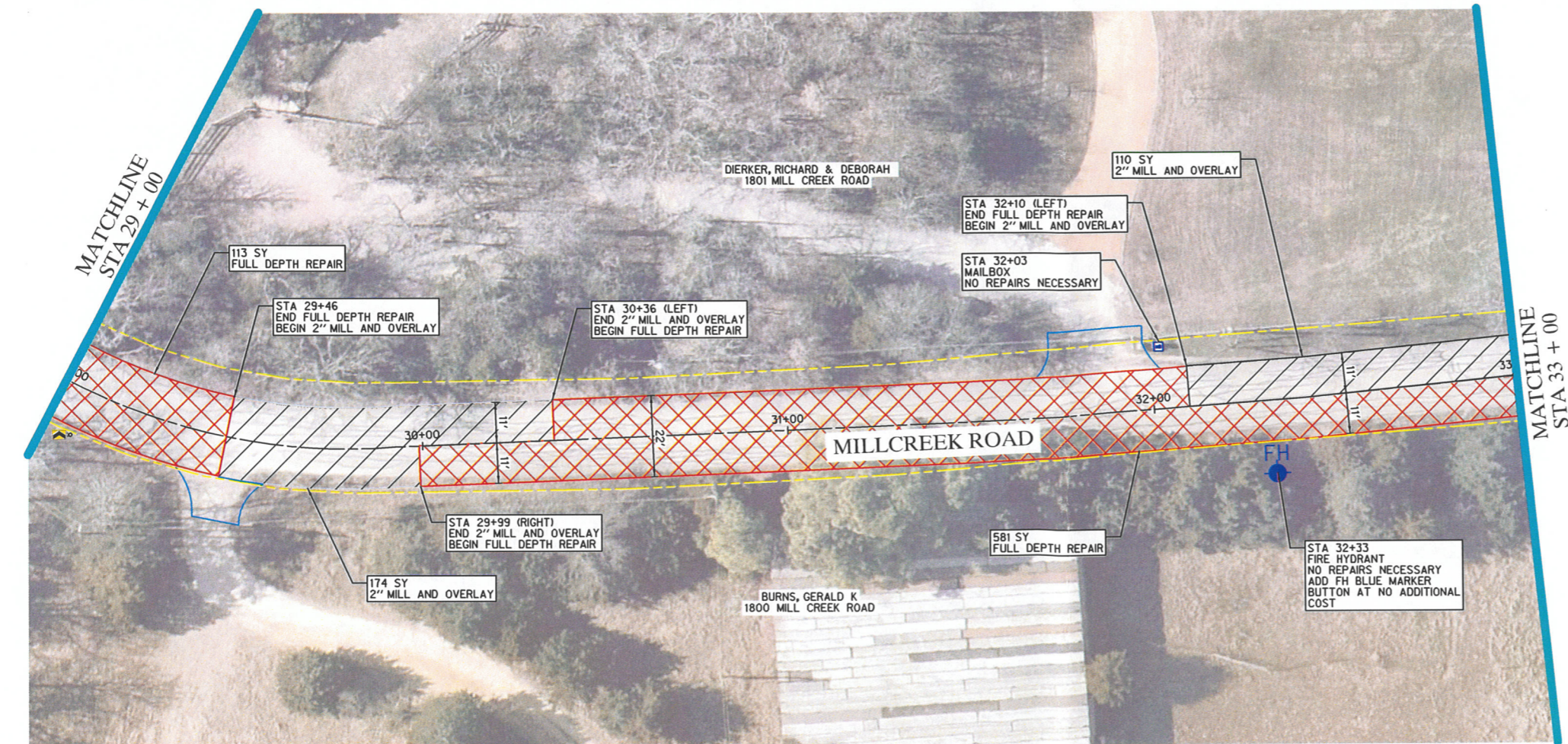
Revision No.	Date	Description



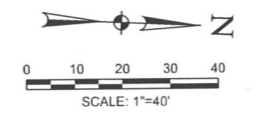
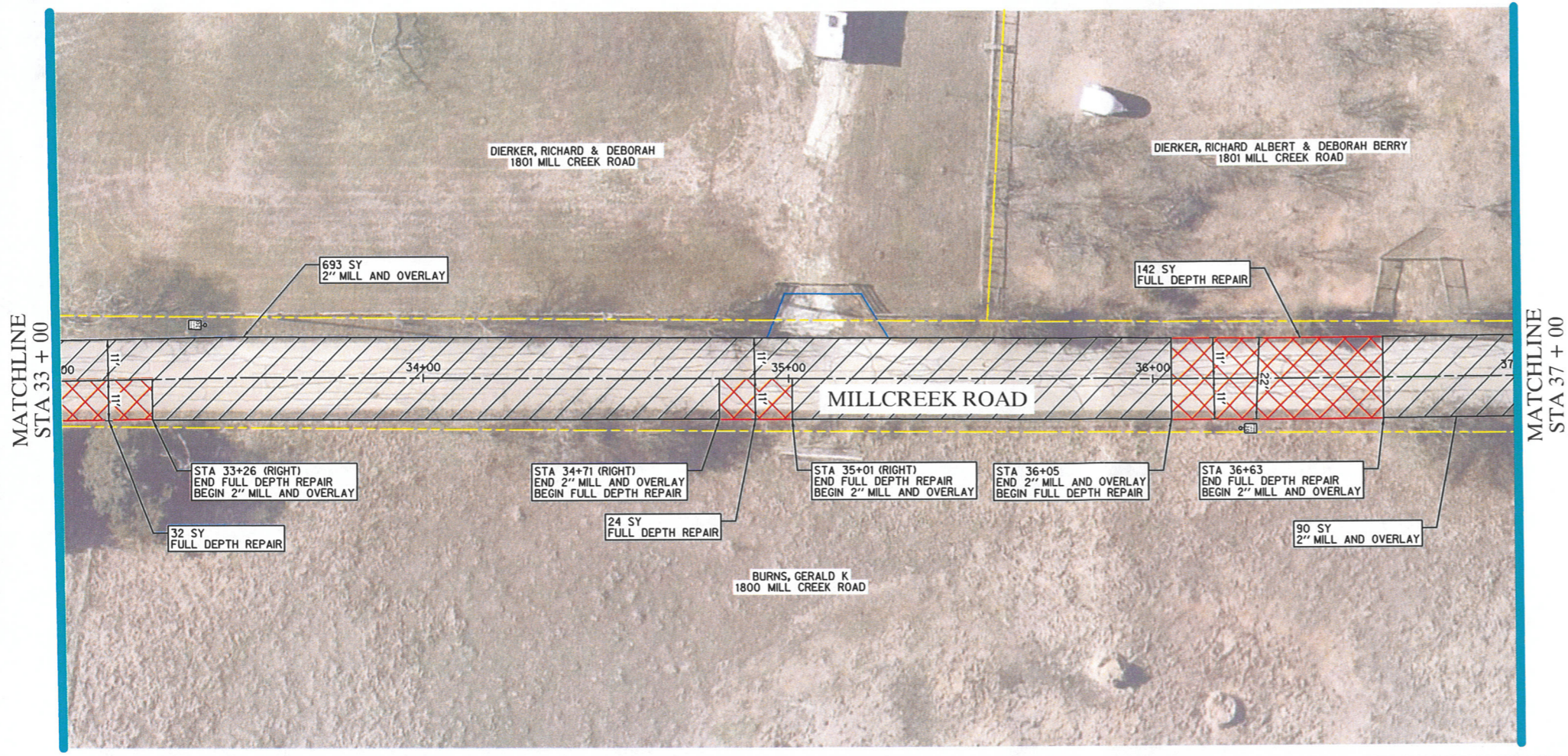
SUMMARY OF IMPROVEMENTS
THIS SHEET

PAVEMENT REMOVALS:
1956 SY - ASPHALT PAVEMENT (2" MILL)

PAVEMENT REPAIRS:
1956 SY - 2" OVERLAY
1392 SY - FULL DEPTH REPAIR

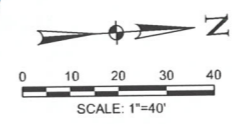
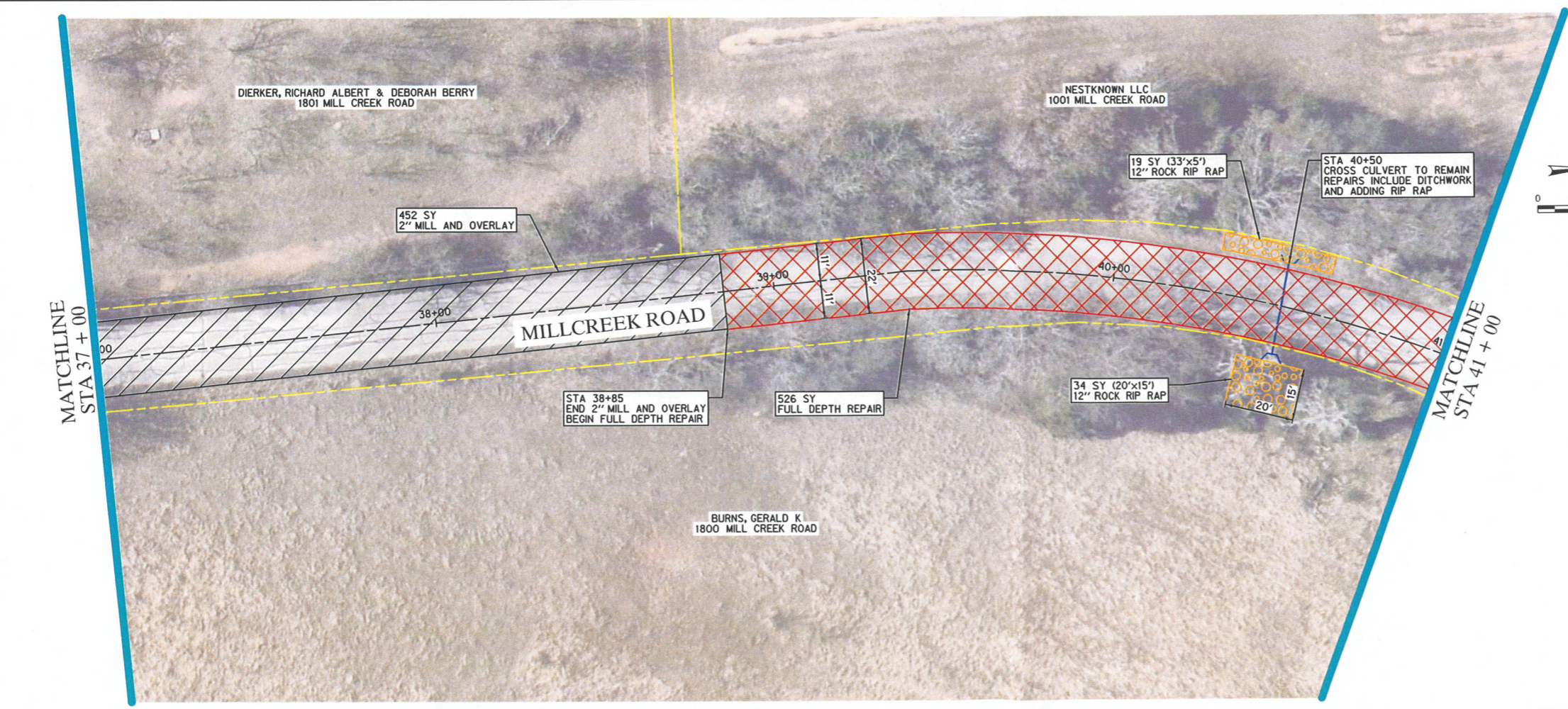


Project No.: 43608
 Issued: 10/7/2022
 Drawn By: PTS
 Checked By: LAH
 Scale: 1" = 40'
 Sheet Title
 MILLCREEK RD.
 STA 25+00 TC
 STA 33+00
7 OF 11
 Sheet Number



- LEGEND**
- 2" MILL AND OVERLAY
 - FULL DEPTH ASPHALT REPAIR
 - DITCH REWORK & BACKFILL OF PAVEMENT EDGES
 - CULVERT STREAM REPAIR WITH 12" ROCK RIP RAP
 - CROSS CULVERT
 - PARCELS/ROW/PROP. LINES
 - MATCHLINE
 - PAVEMENT CENTERLINE
 - FIRE HYDRANT
 - MAILBOX

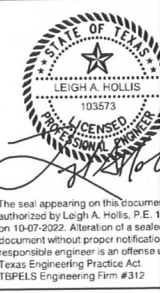
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**SUMMARY OF IMPROVEMENTS
THIS SHEET**

- PAVEMENT REMOVALS:**
1959 SY - ASPHALT PAVEMENT (2" MILL)
- PAVEMENT REPAIRS:**
1959 SY - 2" OVERLAY
724 SY - FULL DEPTH REPAIR
- ADDITIONAL REPAIRS:**
53 SY - 12" ROCK RIP RAP

**2022 STREET REHABILITATION
PHASE 1
CROSS ROADS, TEXAS**

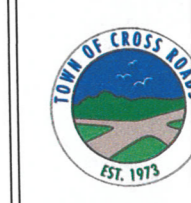
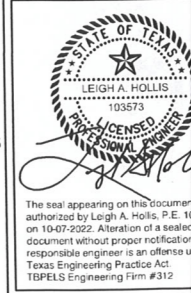


Project No.:	43608
Issued:	10/7/2022
Drawn By:	PTS
Checked By:	LAH
Scale:	1" = 40'
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2022 STREET REHABILITATION
PHASE 1
CROSS ROADS, TEXAS



Revision No.	Date	Description



Project No.:	43608
Issued:	10/7/2022
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Checked By:	LAH
Scale:	1" = 40'
Sheet Title:	MILLCREEK RD/ STA 41+00 TO STA 48+00
Page:	9 OF 11
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LEGEND

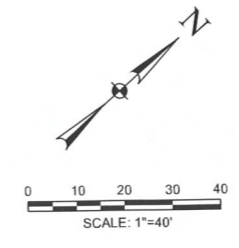
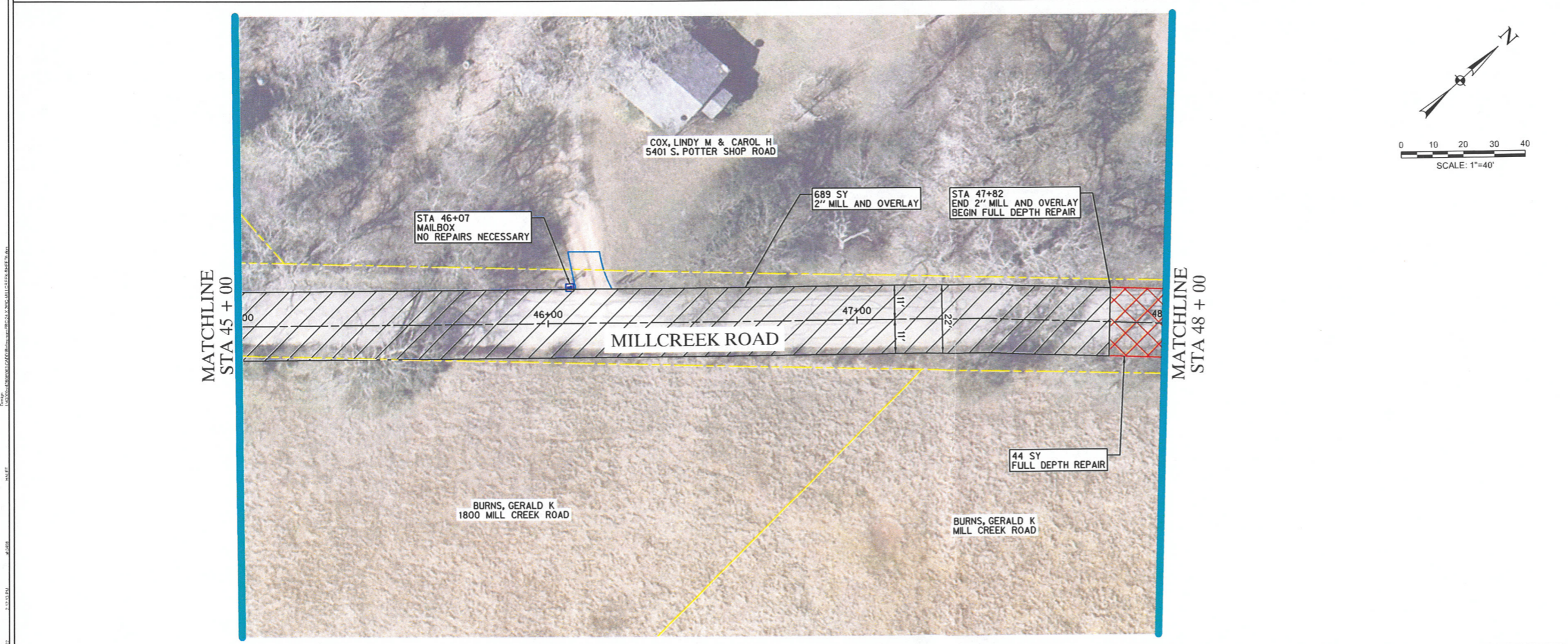
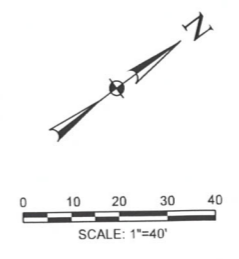
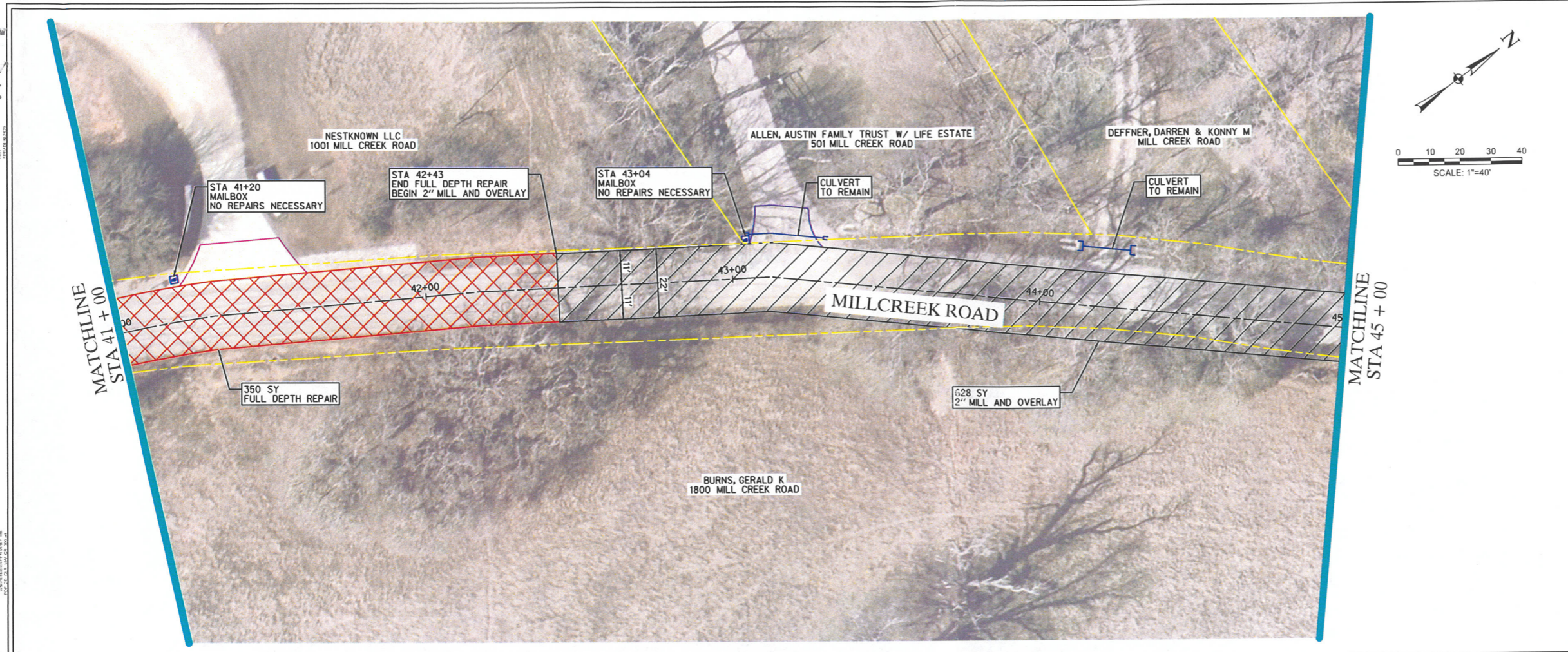
- 2" MILL AND OVERLAY
- FULL DEPTH ASPHALT REPAIR
- DITCH REWORK & BACKFILL OF PAVEMENT EDGES
- CULVERT STREAM REPAIR WITH 12" ROCK RIPRAP
- CROSS CULVERT
- PARCELS/ROW/PROP. LINES
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**SUMMARY OF IMPROVEMENTS
THIS SHEET**

PAVEMENT REMOVALS:
1711 SY - ASPHALT PAVEMENT (2" MILL)

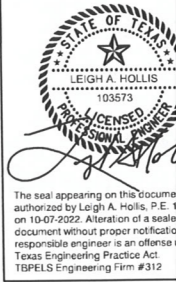
PAVEMENT REPAIRS:
1711 SY - 2" OVERLAY
394 SY - FULL DEPTH REPAIR



2022 STREET REHABILITATION
PHASE 1
CROSS ROADS, TEXAS



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Checked By:	LAH
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LEGEND

- 2" MILL AND OVERLAY
- FULL DEPTH ASPHALT REPAIR
- DITCH REWORK & BACKFILL OF PAVEMENT EDGES
- CULVERT STREAM REPAIR WITH 12" ROCK RIPRAP
- CROSS CULVERT
- PARCELS/ROW/PROP. LINES
- MATCHLINE
- PAVEMENT CENTERLINE
- FIRE HYDRANT
- MAILBOX

N

0 10 20 30 40

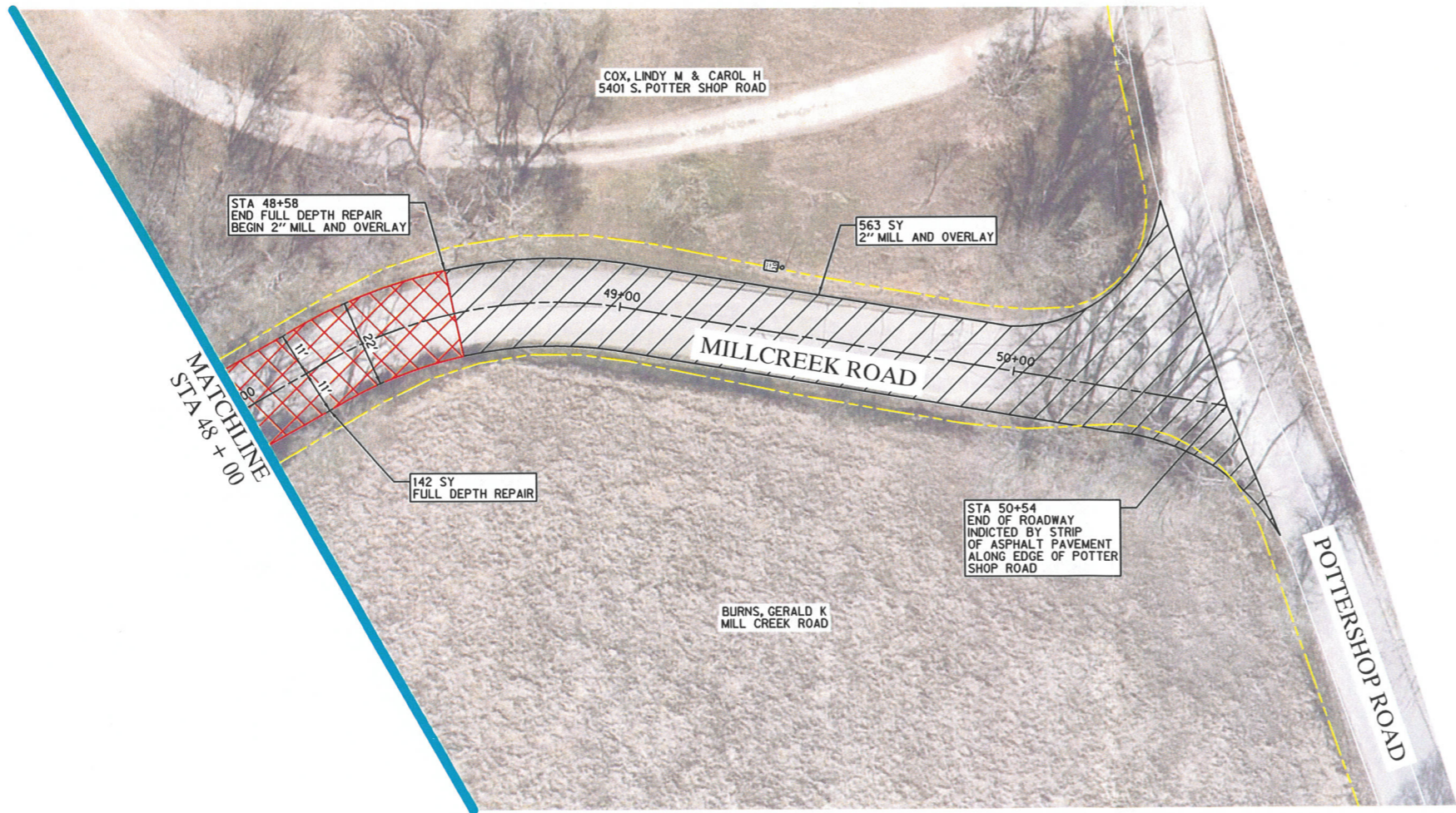
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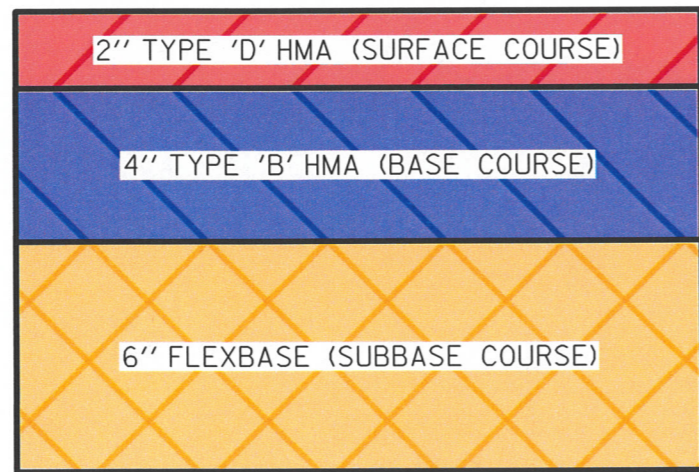
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THIS SHEET**

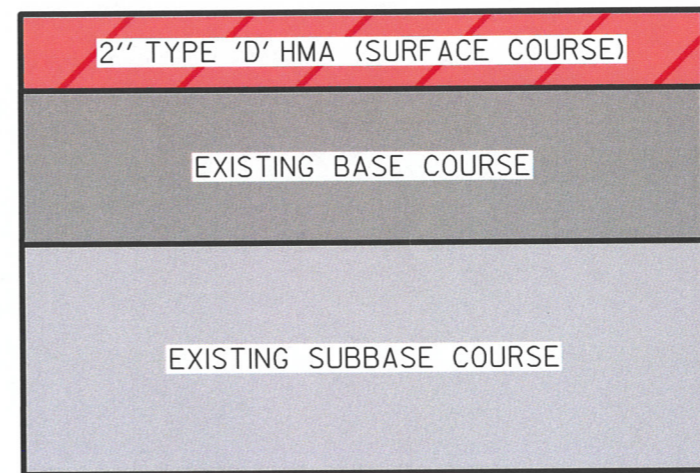
PAVEMENT REMOVALS:
705 SY - ASPHALT PAVEMENT (2" MILL)

PAVEMENT REPAIRS:
705 SY - 2" OVERLAY
142 SY - FULL DEPTH REPAIR





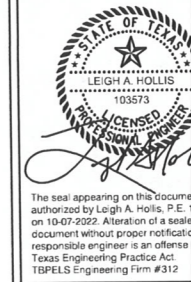
FULL DEPTH RECONSTRUCTION
 N.T.S.



2" MILL AND OVERLAY
 N.T.S.

NOTE:
 ENTIRE PAVEMENT SURFACE SHALL BE MILLED TO A DEPTH OF 2 INCHES. FULL-DEPTH RECONSTRUCTION SHALL CONSIST OF THE REMOVAL OF 10 ADDITIONAL INCHES OF BASE MATERIAL AND PLACEMENT OF 6 INCH FLEXBASE AND 4 INCH TYPE B HMA. AFTER FULL DEPTH RECONSTRUCTION HAS OCCURRED ENTIRE SURFACE SHALL BE OVERLAID WITH 2 INCH TYPE D HMA.

Revision No.	Date	Description



Project No: 43608
 Issued: 10/7/2022
 Drawn By: PTS
 Checked By: LAH
 Scale: N.T.S.

Sheet Title
 DETAILS