CIVIL CONSTRUCTION PLANS
PAVING & GRADING
FOR
MANTUA
COUNTY LINE ROAD
CITY OF VAN ALSTYNE,
GRAYSON COUNTY AND COLLIN COUNTY, TEXAS

ENGINEER

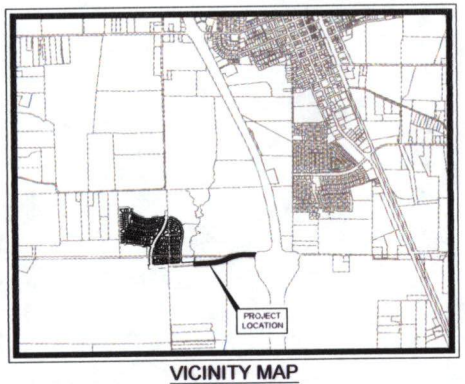
Kimley»Horn

6160 WARREN PARKWAY
SUITE 210
FRISCO, TEXAS 75034
TEL: (972) 731-3814
CONTACT: THOMAS G. COPPIN, P.E.

STATE OF TEXAS
REGISTRATION NO. F-928

OWNER/DEVELOPER

RISLAND MANTUA LLC
5600 TENNYSON PARKWAY
SUITE 230
PLANO, TEXAS 75024
TEL: (469) 661-3021
CONTACT: RICK HAGMAYER



VICINITY MAP
SCALE: 1" = 2,000'

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811
Know what's below.
Call before you dig.

SEPTEMBER 2019

ENGINEER'S NOTES

1. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL HAVE IN THEIR POSSESSION ALL NECESSARY PERMITS, PLANS, LICENSES, ETC. CONTRACTOR SHALL HAVE AT LEAST ONE SET OF APPROVED ENGINEERING PLANS AND SPECIFICATIONS ON-SITE AT ALL TIMES.
2. ALL WORK SHALL CONFORM TO COLLIN COUNTY/GRAYSON COUNTY DESIGN MANUALS AND STANDARDS. IN THE EVENT AN ITEM IS NOT COVERED IN THE PLANS OR THE COUNTY'S DESIGN MANUALS AND STANDARDS, THE MOST CURRENT NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS (NCTCOG) STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION SHALL APPLY WITH CONCURRING NOTIFICATION TO THE CITY ENGINEER AND PROJECT ENGINEER. THE CITY ENGINEER SHALL HAVE THE FINAL DECISION ON ALL CONSTRUCTION MATERIALS, METHODS, AND PROCEDURES.
3. CONSTRUCTION INSPECTION WILL BE PERFORMED BY REPRESENTATIVES OF THE OWNER, ENGINEER, CITY, GEOTECHNICAL ENGINEER, AND REVIEWING AUTHORITIES AND AGENCIES. UNRESTRICTED ACCESS SHALL BE PROVIDED TO THEM AT ALL TIMES. CONTRACTOR IS RESPONSIBLE FOR UNDERSTANDING AND SCHEDULING REQUIRED INSPECTIONS. TESTING SAMPLES SHALL BE COLLECTED AND PROCESSED BY CERTIFIED TECHNICIANS.
4. ALL CONTRACTORS MUST CONFINE THEIR ACTIVITIES TO THE WORK AREA. NO ENCROACHMENTS ONTO DEVELOPED OR UNDEVELOPED AREAS WILL BE ALLOWED. ANY DAMAGE RESULTING THEREFROM SHALL BE CONTRACTOR'S RESPONSIBILITY TO REPAIR.
5. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL EXISTING PUBLIC AND PRIVATE UTILITIES THROUGHOUT THE CONSTRUCTION OF THIS PROJECT. CONTRACTOR SHALL CONTACT THE APPROPRIATE UTILITY COMPANIES FOR LINE LOCATIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION AND SHALL ASSUME FULL LIABILITY TO THOSE COMPANIES FOR ANY DAMAGES CAUSED TO THEIR FACILITIES.
6. THE ENGINEER IS NOT RESPONSIBLE FOR THE CONTRACTOR'S MEANS AND METHODS.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR JOB SITE SAFETY AT ALL TIMES DURING THE COURSE OF THE PROJECT. THE CONTRACTOR SHALL HOLD THE OWNER AND ENGINEER HARMLESS FOR ALL CLAIMS THAT MAY ARISE.
8. NO WORK, EQUIPMENT OR MATERIAL STORAGE TO OCCUR WITHIN ENERGY TRANSFER EASEMENT. ENERGY TRANSFER INPSECTORS SHALL BE ONSITE AT ALL TIMES FOR ANY ACTIVITY WITHIN GAS MAIN EASEMENT. CONTACT TOMMY RIGSBY AT (817) 559-3829.
9. ALL WORK SHALL CONFORM WITH THE APPROVED GEOTECHNICAL STUDY PREPARED BY ALLIANCE GEOTECHNICAL GROUP, CE 19-273-02, DATED AUGUST 9, 2019.

EROSION CONTROL & VEGETATION

1. THE CSN OR NOI SHALL BE POSTED IN A LOCATION VIEWABLE TO THE PUBLIC UNTIL CONSTRUCTION IS COMPLETE AND NOTICE OF TERMINATION (NOT) SUBMITTED. THE STORM WATER POLLUTION PREVENTION PLAN (SWP3) SHALL BE READILY AVAILABLE FOR REVIEW BY FEDERAL, STATE, OR LOCAL OFFICIALS.
2. NO SOIL DISTURBING ACTIVITIES WILL OCCUR PRIOR TO THE SWP3, ECP, AND ASSOCIATED BEST MANAGEMENT PRACTICES (BMP) BEING FULLY IMPLEMENTED.
3. THE CONTRACTOR SHALL COMPLY WITH THE CURRENT NCTCOG ISWM TECHNICAL MANUAL FOR CONSTRUCTION, THE TPDES GENERAL CONSTRUCTION PERMIT TXR150000 AND ANY OTHER STATE AND/OR LOCAL REGULATIONS.
4. THE CONTRACTOR SHALL EMPLOY MEASURES AS NECESSARY TO PREVENT DIRT, MUD, DEBRIS FROM BEING TRACKED OFF SITE. ANY DIRT, MUD, DEBRIS TRACKED OFFSITE SHALL BE CLEANED UP BY THE CONTRACTOR IMMEDIATELY.
5. THE SITE SHALL BE REVIEWED BY THE OPERATOR OR HIS REPRESENTATIVE WEEKLY, AND AFTER ANY MAJOR STORM ADJUSTMENTS/REPAIRS TO THE EROSION CONTROL MEASURES WILL BE MADE AS NEEDED.
6. CONTRACTOR SHALL ESTABLISH PERENNIAL VEGETATION ON ALL OTHER DISTURBED AREAS IMMEDIATELY UPON COMPLETION OF GRADING ACTIVITIES. AN APPROPRIATE SEED MIX SHOULD BE CONSIDERED WITH RESPECT TO THE SEASON AND THE TIMING OF FINAL ACCEPTANCE. A COOL SEASON SEED MIX SHOULD BE USED BETWEEN SEPTEMBER 15TH AND APRIL 15TH.

PAVING AND STRIPING NOTES

1. ALL SIGNS, PAVEMENT MARKINGS AND OTHER TRAFFIC CONTROL DEVICES REQUIRED FOR THE PROJECT SHALL CONFORM TO THE "TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (TMUTCD).
2. RAISED PAVEMENT MARKERS SHALL BE BONDED TO THE ROADWAY SURFACE WITH ADHESIVE CONFORMING TO THE MANUFACTURER'S RECOMMENDATIONS.
3. THE PAVEMENT UPON WHICH THE LANE AND PAVEMENT MARKERS ARE TO BE PLACED SHALL BE PREPARED TO THE APPROVAL OF THE INSPECTOR TO ENSURE PROPER CLEANING OF THE PAVEMENT SURFACE.
4. ALL TRAFFIC STRIPING SHALL BE REFLECTIVE PAINT.
5. ALL PAVING REMOVAL SHALL BE SAW CUT TO A NEAT LINE AND REMOVED.

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!!WARNING!!

EXISTING UTILITIES IN THE AREA. CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL EXISTING UTILITIES WITH THE PROVIDER PRIOR TO START OF CONSTRUCTION AND SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY CONFLICTS DISCOVERED. CONTRACTOR IS RESPONSIBLE FOR COORDINATING UTILITY RELOCATION WHERE NECESSARY AND PROTECTING EXISTING UTILITIES (SHOWN OR NOT SHOWN). IF ANY EXISTING UTILITIES ARE DAMAGED, THE CONTRACTOR SHALL REPLACE THEM AT THEIR OWN EXPENSE.

No.	REVISIONS	DATE	BY

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PHONE: 972-335-3580 FAX: 972-335-3779
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TEXAS REGISTERED ENGINEERING FIRM F-928

PRELIMINARY
PLANS UNDER DEVELOPMENT
Not for construction or permit purposes
Kimley»Horn
Engineer: DAVID L. CARTER
P.E. No. 125.....Date: 08/26/2019

KHA PROJECT 064036001
DATE JULY 2019
SCALE AS SHOWN
DESIGNED BY MRM
DRAWN BY MJL
CHECKED BY TGC

GENERAL NOTES

MANTUA COUNTY LINE ROAD

CITY OF VAN ALSTYNE
GRAYSON AND COLLIN COUNTY, TEXAS

SHEET NUMBER
C-02

Plotted By: Lockwood, Michael Date:September 26, 2019 10:45:00am File Path:V:\TX_Civil\064036001-Mantua\CAD\County Line Road\Plans\Sheets\C-General Notes.dwg
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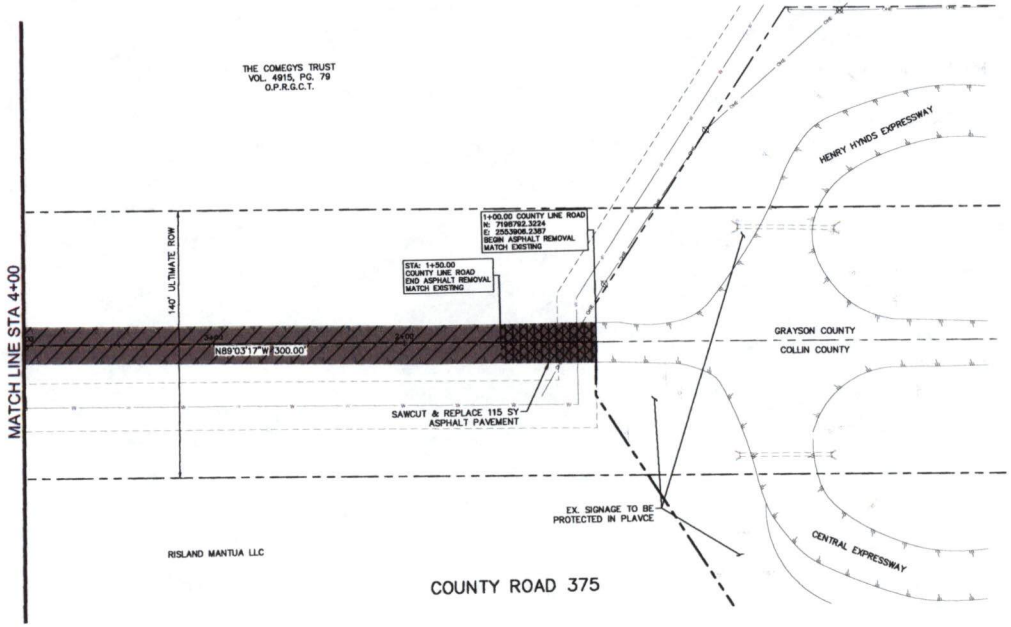
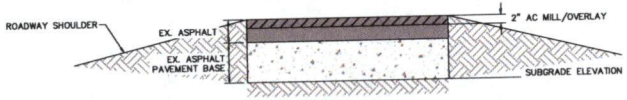
CURVE TABLE						
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGENT
C1	525.00'	398.08'	S69°13'21"W	388.61'	43°26'40"	209.16'

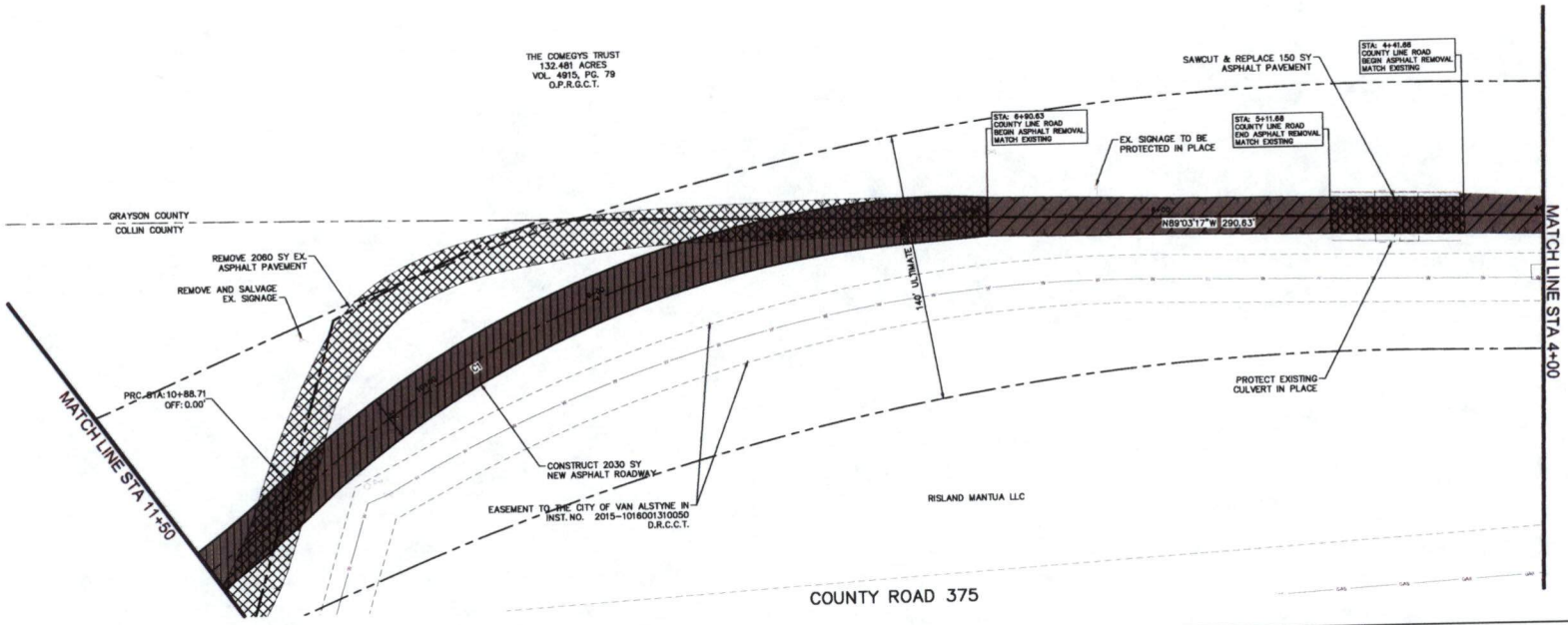


LEGEND

- 2" ASPHALT OVERLAY
- EXISTING ASPHALT PAVEMENT TO BE REMOVED
- EXISTING ASPHALT PAVEMENT TO BE MILLED 2"
- PLACE 3" TYPE D SURFACE COURSE ON 6" TYPE B BASE COURSE ON 16" FLEX BASE OVER 8" STABILIZED SUBGRADE



PAVEMENT SECTION
N.T.S.



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	REVISIONS	

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TEXAS REGISTERED ENGINEERING FIRM F-928

PRELIMINARY
FOR REVIEW ONLY
Not for construction or permit purposes
Kimley»Horn
Engineer: JAMES L. COTTEN
P.E. No. 125 Date: 08/26/2019

KHA PROJECT	064530001
DATE	JULY 2019
SCALE	AS SHOWN
DESIGNED BY	MRM
DRAWN BY	TJS
CHECKED BY	TGC

DEMOLITION & PAVING DIMENSION CONTROL PLAN

MANTUA COUNTY LINE ROAD

CITY OF VAN ALSTYNE
GRAYSON AND COLLIN COUNTY, TEXAS

SHEET NUMBER
C-03

Plotted By: Lanchester, Michael Date: September 24, 2019 10:45:07am File Path: V:\FTL_Civil\064530001 Mantua\CAD\County Line Road\Plan\Demolition\Parking Dimension Control Plan.dwg
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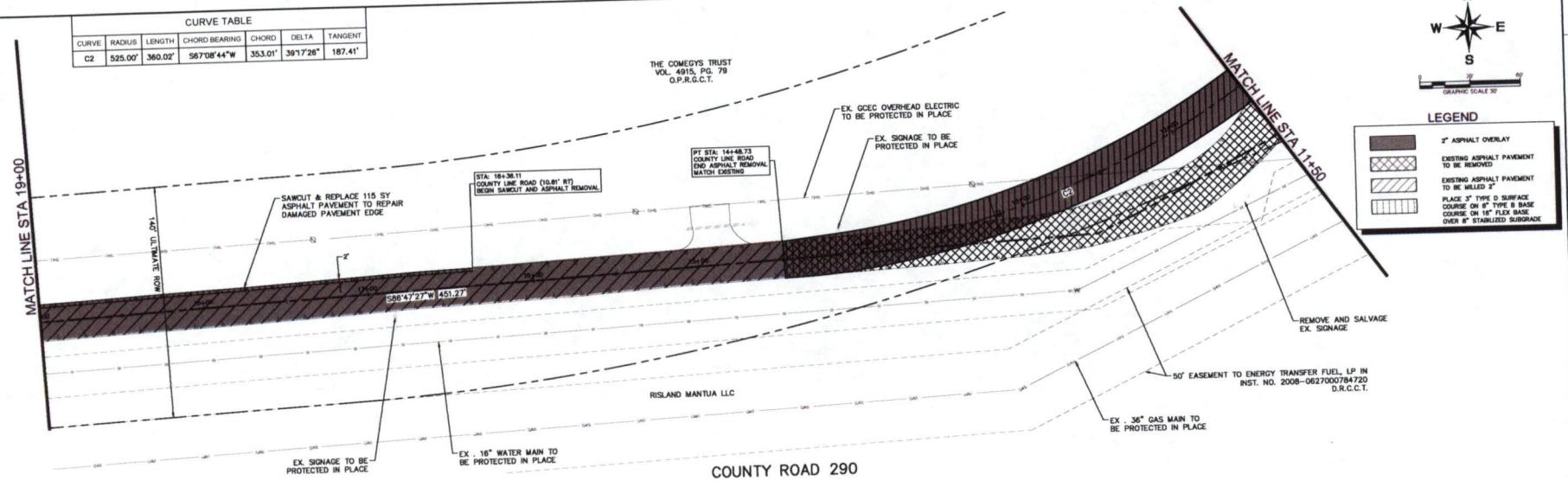
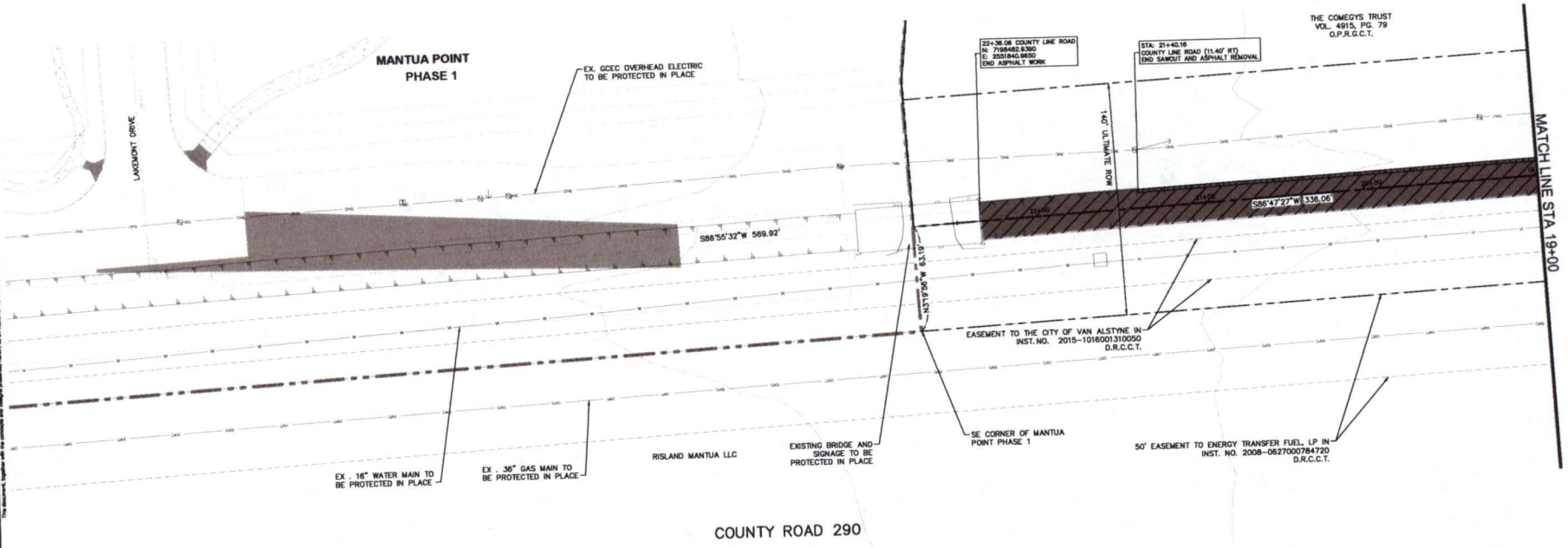
CURVE TABLE						
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGENT
C2	525.00'	360.02'	S67°08'44"W	353.01'	39°17'26"	187.41'





N
W E
S
0 30' 60'
GRAPHIC SCALE 30'

LEGEND

- 2" ASPHALT OVERLAY
- EXISTING ASPHALT PAVEMENT TO BE REMOVED
- EXISTING ASPHALT PAVEMENT TO BE MILLED 2"
- PLACE 3" TYPE D SURFACE COURSE ON 8" TYPE B BASE COURSE ON 16" FLEX BASE OVER 8" STABILIZED SUBGRADE

No.	REVISIONS	DATE	BY

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TEXAS REGISTERED ENGINEERING FIRM F-928

Not for construction or permit purposes
Kimley»Horn

KHA PROJECT	064036001
DATE	JULY 2019
SCALE	AS SHOWN
DESIGNED BY	MRM
DRAWN BY	TJS
CHECKED BY	TGC

DEMOLITION & PAVING DIMENSION CONTROL PLAN

MANTUA COUNTY LINE ROAD

CITY OF VAN ALSTYNE
GRAYSON AND COLLIN COUNTY, TEXAS

SHEET NUMBER
C-04

Plotted By:jordanfc, Michael Date:September 24, 2019 10:45:58am File Path:K:\FRI_Ch\064036001-Mantua\CAD\Civil\1 Line Report\Plan\Demolition Control Plan.dwg
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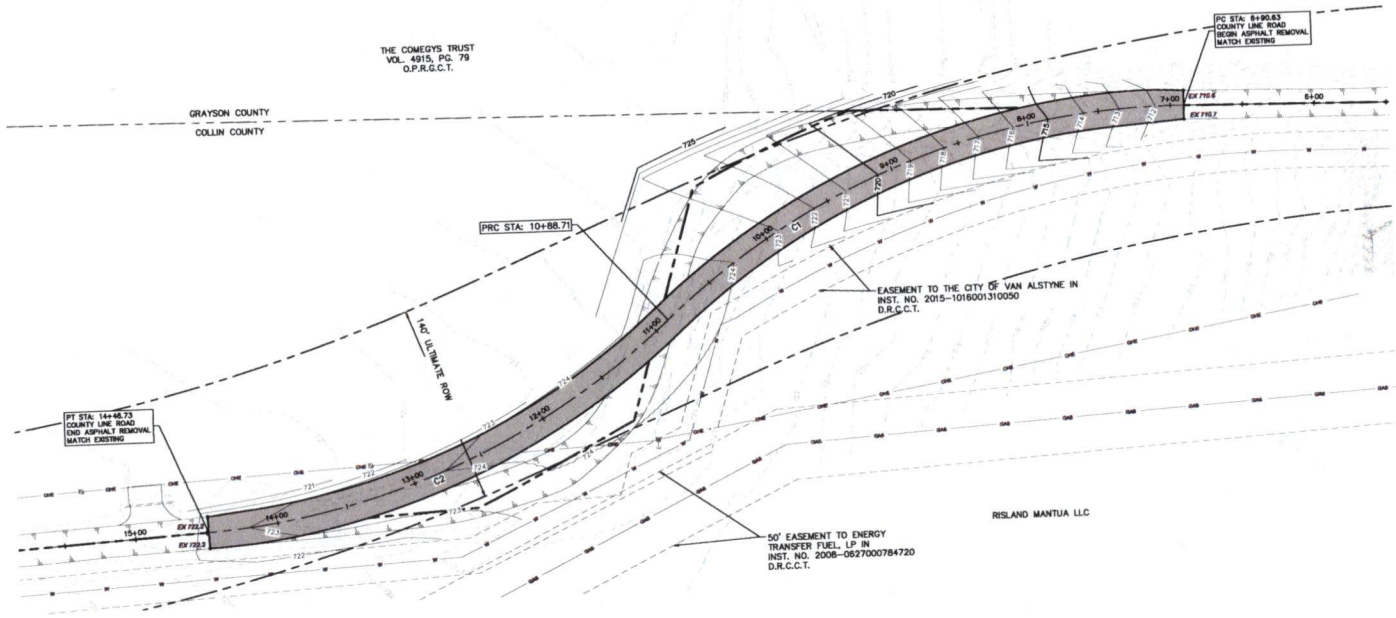
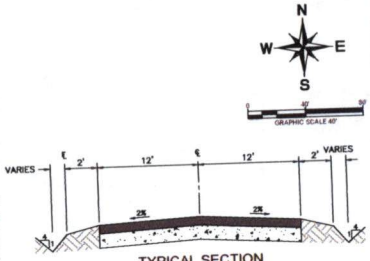
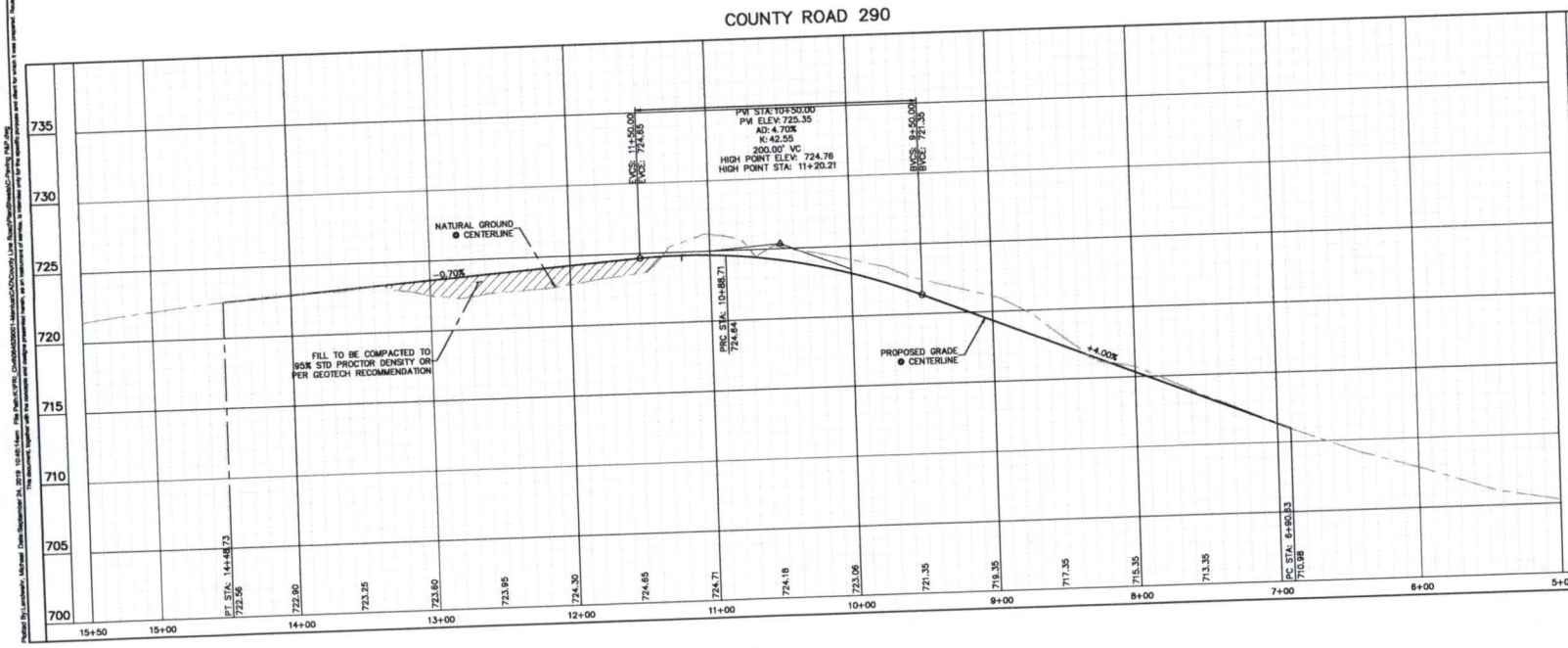
C1	525.00'	398.08'	S69°13'21"W	388.61'	43°26'40"	209.16'
C2	525.00'	360.02'	S67°08'44"W	353.01'	39°17'26"	187.41'





TYPICAL SECTION
NTS

COUNTY ROAD 290



PROFILE SCALE
1" = 40' HORIZONTAL
1" = 4' VERTICAL

!!WARNING!!

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BENCHMARKS

BM 101 - "X" CUT IN CONCRETE AT THE NE CORNER OF A CONCRETE PAD FOR A VENT PIPE LOCATED ON THE WEST SIDE OF A NEW ROAD RUNNING NORTH-TO-SOUTH WHICH CONNECTS CARTWRIGHT ROAD TO COUNTY ROAD NO. 290 APPROXIMATELY 388' SOUTH OF THE INTERSECTION OF SAID NEW ROAD AND CARTWRIGHT ROAD
ELEV 730.660

BM 102 - "X" CUT IN CONCRETE AT THE NW CORNER OF A BRIDGE ALONG COUNTY ROAD NO. 290, LOCATED APPROXIMATELY 63' EAST OF THE INTERSECTION OF COUNTY ROAD NO. 290 AND A NEW ROAD RUNNING NORTH-TO-SOUTH WHICH CONNECTS COUNTY ROAD NO. 290 TO CARTWRIGHT ROAD.
ELEV 700.557

No	REVISIONS	DATE	BY

Kimley»Horn

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TEXAS REGISTERED ENGINEERING FIRM F-928

NOT FOR CONSTRUCTION
For coordination or permit purposes
Kimley»Horn
Engineer: THOMAS C. GRAY
P.E. No. 128627 on 06-5-19

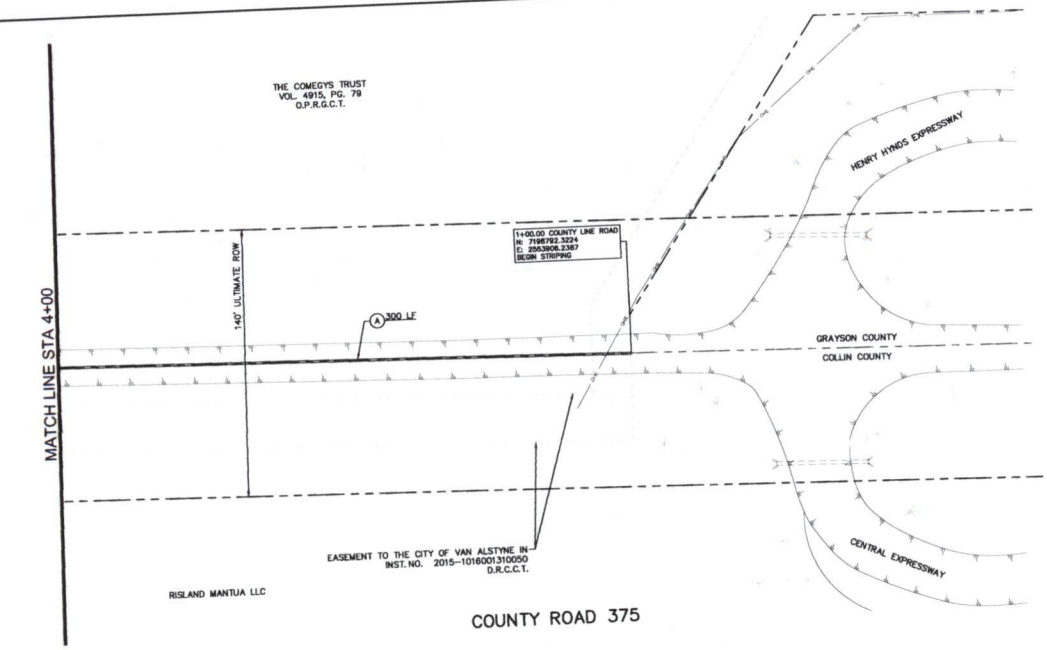
KHA PROJECT 069200001
DATE JULY 2019
SCALE AS SHOWN
DESIGNED BY MRM
DRAWN BY TJS
CHECKED BY TGC

GRADING & PAVING COUNTY LINE ROAD

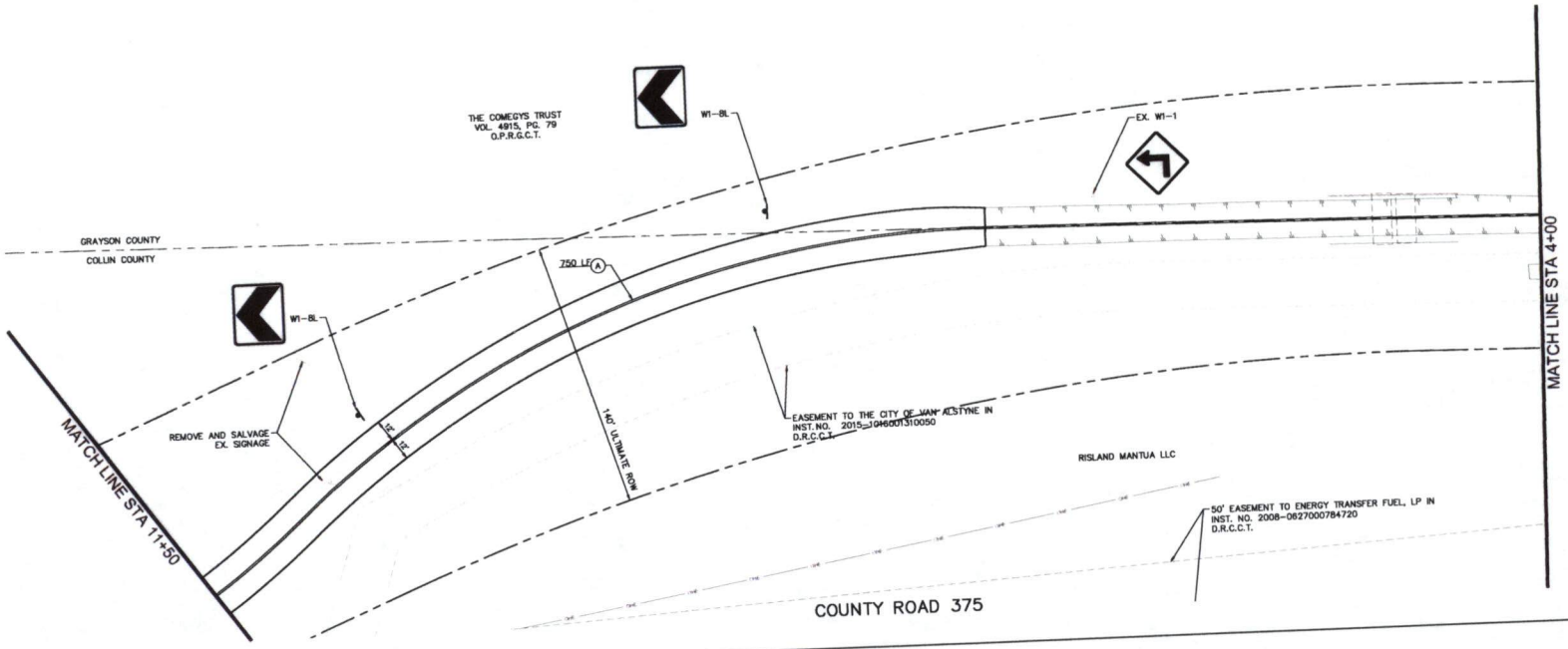
MANTUA COUNTY LINE ROAD

CITY OF VAN ALSTYNE
GRAYSON AND COLLIN COUNTY, TEXAS

SHEET NUMBER
C-05



STRIPING NOTES
INSTALL 4" YELLOW SOLID DOUBLE LINE
(A) (PER TEXAS MUTCD)



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Kimley»Horn

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TEXAS REGISTERED ENGINEERING FIRM F-928

PRELIMINARY
NOT FOR CONSTRUCTION OR PERMIT PURPOSES
Kimley»Horn
Engineer: NICHOLAS J. CARTER
P.E. No. 125703 Date: 09.25.2019

KHA PROJECT 064250001
DATE JULY 2016
SCALE AS SHOWN
DESIGNED BY: MRM
DRAWN BY: TJS
CHECKED BY: TGC

PAVEMENT MARKING & SIGNAGE PLAN

MANTUA COUNTY LINE ROAD

CITY OF VAN ALSTYNE
GRAYSON AND COLLIN COUNTY, TEXAS

SHEET NUMBER
C-06

Plotted By: Lyndsey, Michael Date: September 24, 2019 10:46:24am File Path:K:\FTL_Civil\064250001-Mantua\CAD\County Line Road\Plans\Sheets\C-Pavement Marking & Signage Plan.dwg
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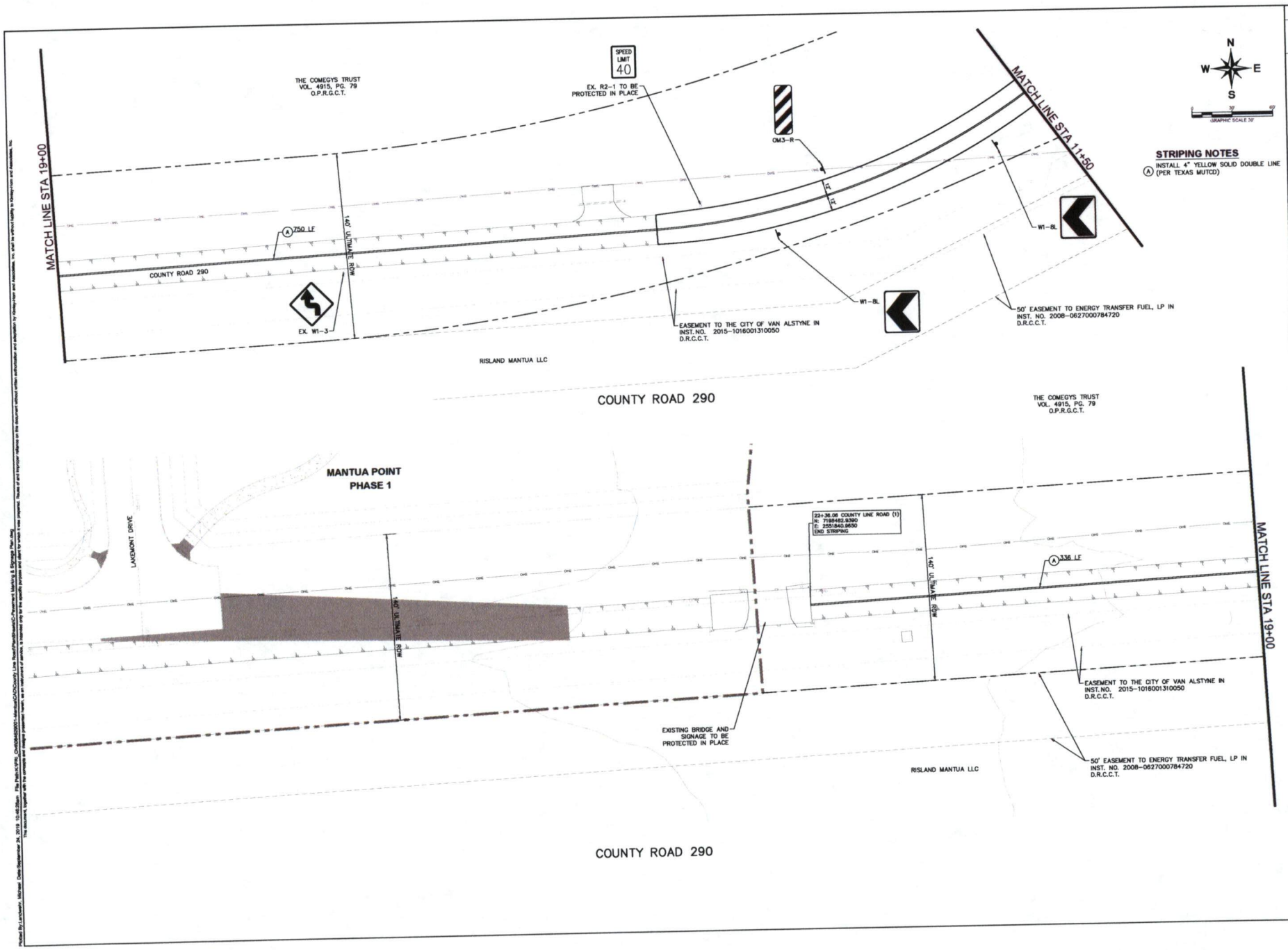

No.	REVISIONS	DATE	BY

Kimley»Horn

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TEXAS REGISTERED ENGINEERING FIRM F-928

NOT FOR CONSTRUCTION
PLAN REVIEW ONLY
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Kimley»Horn
Engineer: Michael L. Lynch
P.E. No. 125270 Date: 08-16-2019

K+H PROJECT 064530001
DATE JULY 2019
SCALE AS SHOWN
DESIGNED BY MRM
DRAWN BY TJS
CHECKED BY TGC

PAVEMENT MARKING & SIGNAGE PLAN

MANTUA COUNTY LINE ROAD

CITY OF VAN ALSTYNE
GRAYSON AND COLLIN COUNTY, TEXAS

SHEET NUMBER
C-07

Plotted By: Lynchem, Michael Date:September 24, 2019 10:46:06am File Path:W:\PN_CIVIL\064530001-Mantua\CAD\County Line Road\Plan\Sheets\C-Pavement Marking & Signage Plan.dwg
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