

09-18-2020 LETTING ITEM 053

ROCK ISLAND COUNTY GUARDRAIL IMPROVEMENTS

HSIP FUNDS VARIOUS ROUTES SECTION 18-00376-00-GR ROCK ISLAND COUNTY

PROJECT NO. FADQ (857)
JOB NO. C-92-060-19
CONTRACT NO. 85696

UTILITIES

ENERGY:

MIDAMERICAN ENERGY
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MSKOVACIC@MIDAMERICAN.COM
309-793-3704

NO. BORDER PIPELINE CO
SCOTT HOELSCHER
SCOTT.HOELSCHER@TRANSCANADA.COM
563-289-3338 X3434

ALLIANCE PIPELINE CO.
JACKIE KELLEN
JACKIE.DELLEN@ENBRIDGE.COM
612-720-9533

NATURAL GAS PIPELINE CO
ALEXANDER HENNING
ALEXANDER.HENNING@KINDERMORGAN.COM
713-420-2337 X618-599-2597

ONEOK NORTH SYSTEM LLC
GUARDIAN, MIDWESTERN & V
NICHOLAS.BOCKLET@ONEOK.COM
DANIELLE.WALLIN@ONEOK.COM
815-467-4633 X118

MUNICIPALITIES:

VILLAGE OF PORT BYRON
NICK WAGNER
563-445-3501

VILLAGE OF MILAN
STEVE SEIVER
STEVESEIVER@MILAN.IL.US
309-787-8507

CITY OF MOLINE
RANDI HALEY
309-524-2300

COMMUNICATIONS:

STRADA COMMUNICATIONS, LLC
SCOTT SEARL
SCOTT@STRADACOMM.COM
563-529-2787
TOM BUSSERT
TOM@STRADACOMM.COM
309-496-3737

FRONTIER COMMUNICATIONS
KALIN HINSHAW
815-895-1515
ATT/DISTRIBUTION
G11629@ATT.COM

WINDSTREAM KDL/MCLEOD USE
LOCATE DESK
LOCATE.DESK@WINDSTREAM.COM
800-289-1901

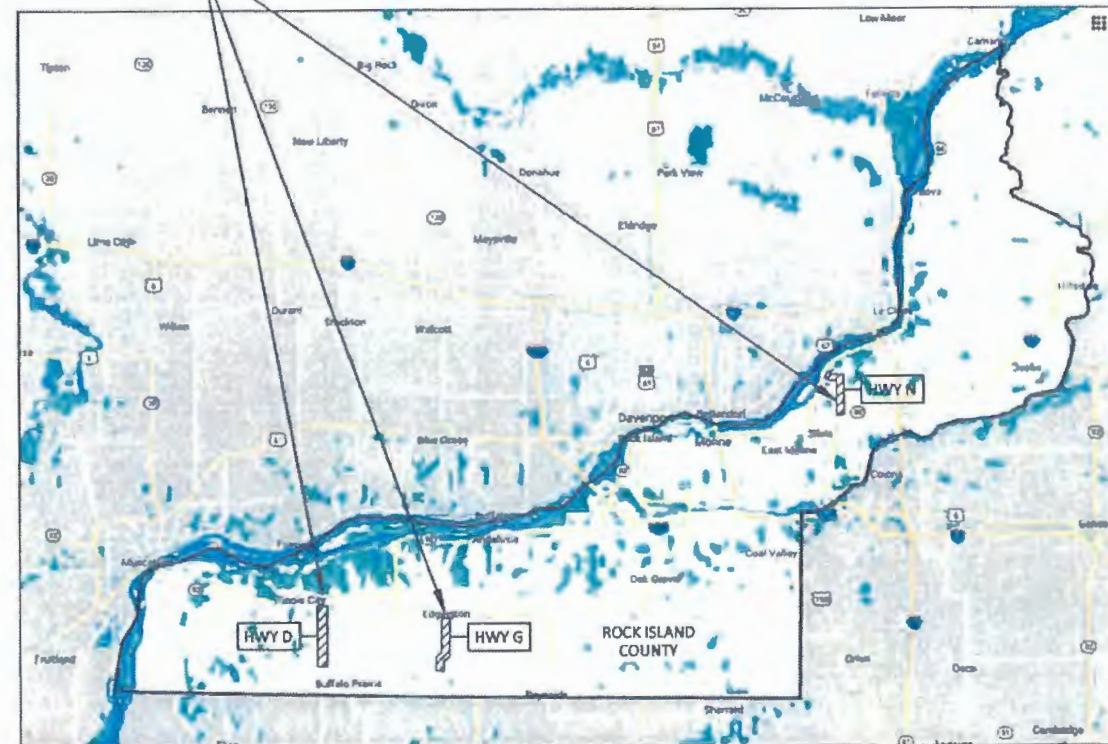
GENESEO TELEPHONE CO.
TED MATTAN
TED.MATTAN@GENESEO.COM
309-944-8030 XDESK

MEDIACOM
JEFF ALLEN
JALLEN4@MEDIACOMCC.COM
309-743-4855
845-867-0963 CELL

REYNOLDS TELEPHONE CO.
JACE TAYLOR
JATALOR@REYTEL.NET
309-314-619 X309-372-9942

CTLCL-CENTURYLINK
BRAD STOCKHAM
BRADLEY.STOCKHAM@CENTURYLINK.COM
309-477-0363 X 309-267-3287

PROJECT LOCATIONS



CONSTRUCTION SITE
LOCATION MAP



[Signature] 7/19/20
BRETT T. ROBERTS, P.E. DATE
LICENSE EXPIRES 11/30/2021

NOTE: ADT, DESIGN SPEED & FUNCTIONAL CLASS INDICATED ON EACH PLAN.

EACH LOCATION INCLUDES AN INVENTORY, SURVEY, ASSESSMENT AND DESIGN OF GUARDRAIL TO MEET CURRENT IDOT LOCAL ROADS DESIGN STANDARDS.

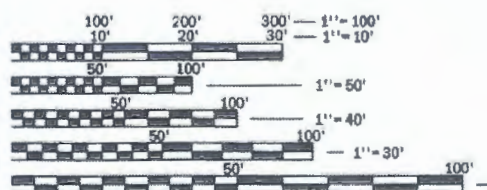
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

HLC PROJECT NO. 7266



LOCATION OF SECTION INDICATED THIS: -

APPROVED	<i>July 13</i>	20	<i>20</i>
	<i>Julian C. Marra</i>		
	COUNTY ENGINEER		
PASSED	<i>July 15</i>	20	<i>20</i>
	<i>Chris M. Beatty</i>		
	DISTRICT TWO ENGINEER OF LOCAL ROADS AND STREETS		
Releasing For Bid Based on Limited Review	<i>July 15</i>	20	<i>20</i>
	<i>Meredith Alvarado</i>		
	DEPUTY DIRECTOR OF HIGHWAYS REGION TWO ENGINEER		
	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

REVISIONS	BY	DATE	DESCRIPTION
PROJECT NO.	7266	FIELD BOOK NO.	
START DATE		DRAWN BY	HWY/TRF
CHECKED BY			
CRA REF. NO.		PWC REF. NO.	
FILE LOCATION			
CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS (312) 422-8544 (773) 714-0050 (815) 489-0090 184-003297			
COVER SHEET	ROCK ISLAND COUNTY GUARDRAIL IMPROVEMENTS	sheet no.	001
	ROCK ISLAND COUNTY, IL	project no.	7266

FEBRUARY 07, 2020

GENERAL NOTES

1. THIS PROJECT IS LOCATED ON VARIOUS ROUTES IN ROCK ISLAND COUNTY. THE WORK INCLUDED IN THE SECTION CONSISTS OF VARIOUS TYPES OF GUARDRAIL REMOVAL, REPLACEMENT, AND ALL OTHER WORK NECESSARY TO COMPLETE THE PROJECT.
2. NO MATERIAL SHALL BE LEFT ON OR NEAR THE ROADWAY DURING NON-WORKING HOURS.
3. ANY NECESSARY TRAFFIC CONTROL WILL BE PROVIDED BY THE CONTRACTOR. APPROPRIATE STANDARDS ARE INCLUDED IN THE PLANS AND CONTRACT DOCUMENTS.
4. ILLINOIS STATE LAW REQUIRES 48 HOUR NOTICE TO BE GIVEN TO UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. (PHONE 800-892-0123) OR FOR NON-MEMBERS, BY CONTACTING THE UTILITY COMPANY DIRECTLY.
5. WHEN NO WORK IS BEING PERFORMED, THE FLAGGERS WILL NOT BE REQUIRED. IF THE FLAGGERS ARE NOT PRESENT, THE FLAGGER SIGNS SHALL BE REMOVED OR COVERED.
6. NO OVERNIGHT LANE CLOSURES WILL BE ALLOWED.
7. ARTICLE 701.20 OF THE STANDARD SPECIFICATIONS DISCUSSES AN ADJUSTED UNIT PRICE. NO ADJUSTMENTS SHALL BE MADE TO THE TRAFFIC CONTROL AND PROTECTION PAY ITEMS FOR THIS CONTRACT.
8. THE CONTRACTOR IS ADVISED THAT THE GUARDRAIL AND TERMINAL PAY ITEMS INCLUDED IN THE PLANS WILL BE USED TO REPLACE STEEL PLATE BEAM GUARDRAIL AND TRAFFIC BARRIER TERMINALS FOR EITHER CURRENT MIDWEST STYLES OR STEEL PLATE BEAM GUARDRAIL AND TRAFFIC BARRIER TERMINALS INSTALLED PRIOR TO JANUARY 1, 2007. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR UTILIZING THE CURRENT MIDWEST STANDARDS.
9. THE FINISHED EARTHWORK SHALL HAVE A VEGETATION SUSTAINING SOIL COVERING THE TOP FOUR INCHES IN AREAS TO BE SEED. THE VEGETATION SUSTAINING SOIL REQUIRED WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF FURNISHED EXCAVATION.
10. ALL EXCAVATED MATERIAL, WHICH INCLUDES DIGGING OR GRADING OF ANY SOIL OR FILL MATERIAL, WITH THE EXCEPTION OF AGGREGATE FILLS, MUST BE INCORPORATED WITHIN THE SITE RIGHT OF WAY DUE TO ENVIRONMENTAL DOCUMENTATION REQUIREMENTS.
11. ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE REVISION NUMBER SHOWN ON THE LIST OF ILLINOIS DOT HIGHWAY STANDARDS OR THE COPY INCLUDED IN THESE PLANS.
12. ALL EXISTING HMA THAT WILL BE LOCATED BEHIND THE PROPOSED PLACEMENT OF THE NEW GUARDRAIL POSTS WILL BE REMOVED AS DETERMINED BY THE ENGINEER. THIS WORK WILL BE DONE AT NO ADDITIONAL COST.
13. REMOVED GUARDRAIL THAT IS NOT REPLACED ON THE SAME DAY MUST BE DELINEATED WITH LIGHTED BARRICADES. NO LOCATIONS SHALL BE LEFT WITHOUT EITHER LIGHTED BARRICADES OR RESTORED GUARDRAIL AT ANY TIME. ALL GUARDRAIL SHALL BE REPLACED WITHIN FIVE DAYS OF REMOVAL.
14. FURNISHED EXCAVATION, AS SHOWN, IS FOR CONSTRUCTION OF THE PROPOSED SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS AND FOR SHOULDER WIDENING ALONG STEEL PLATE BEAM GUARDRAIL AS NEEDED. SHOULDER WIDENING AT TYPE 1 (SPECIAL) TERMINALS SHALL BE AS SHOWN ON STANDARD 630301. SHOULDER WIDENING AT STEEL PLATE BEAM GUARDRAIL TYPE A, NINE FOOT POSTS WILL BE TO THE FACE OF THE POST AS SHOWN ON STANDARD 630001. QUANTITIES SHOWN ARE APPROXIMATE.
15. TYPE 5A & 6 TERMINALS WILL BE EVALUATED BY THE ENGINEER FOR SALVAGE & REUSE. CONTRACTOR SHALL COORDINATE WITH ENGINEER PRIOR TO REMOVAL OF TERMINALS.
16. ANY EXISTING SIGNAGE IN CONFLICT TO BE RELOCATED DURING CONSTRUCTION. THIS WORK SHALL BE INCIDENTAL.
17. MILLINGS MAY BE USED ON ALL AGGREGATE SHOULDERS IF IDOT APPROVED.
18. MILLINGS MAY BE USED AS FURNISHED EXCAVATION TO WITHIN 4" OF THE SURFACE.

INDEX OF SHEETS	
Sheet Number	Sheet Title
001	COVER SHEET
002	GENERAL NOTES & INDEX OF SHEETS
003	LOCATION MAPS - PRIORITY 1 - 5
004	QUANTITIES
005	TYPICAL SECTIONS
006	RICO-D-0.21
007	RICO-D-0.25 & D-0.29
008	RICO-D-0.48
009	RICO-D-0.75
010	RICO-D-1.50A&D_D-1.58_D-1.60
011	RICO-D-1.50 B & C
012	RICO-D-2.04
013	RICO-D-2.11
014	RICO-D-2.12
015	RICO-D-2.28
016	RICO-D-3.11
017	RICO-G-0.02
018	RICO-G-0.02A
019	RICO-G-0.66
020	020 RICO-G-3.19C
021	021 RICO-G-4.22
022	022 RICO-G-4.64
023	RICO-N-1.00
024	RICO-N-1.20 & N-1.21
025	RICO-N-1.30 & N-1.32
026	RICO-N-1.70
027	RICO-N-1.69_N-1.79_N-1.80

SUMMARY OF QUANTITIES

CONSTRUCTION TYPE CODE: 0021

ITEM NUMBER	PAY CODE	DESCRIPTION	UNIT	QUANTITY
△ 1	20200100	EARTH EXCAVATION	CU YD	87
△ 2	20400800	FURNISHED EXCAVATION	CU YD	1168
△ 3	35101400	AGGREGATE BASE COURSE, TYPE B	TON	73
△ 4	44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	6226
△ 5	48101200	AGGREGATE SHOULDERS, TYPE B	TON	894
△ 6	48203100	HOT MIX ASPHALT SHOULDERS	TON	1074
7	63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	8921
8	63000350	LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	FOOT	450
9	63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	20
10	63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	3
11	63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	46
12	63200310	GUARDRAIL REMOVAL	FOOT	9347
13	67100100	MOBILIZATION	LS	1
14	72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	46
15	78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	140
16	X2501000	SEEDING, CLASS 2A (SPECIAL)	ACRE	3.15
17	X6330725	STL PLT BEAM GUARDRAIL (SHORT RADIUS)	FOOT	583
18	X7010216	TRAFFIC CONTROL & PROTECTION (SPECIAL)	LS	1
19	Z0013798	CONSTRUCTION LAYOUT	LS	1


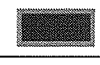
△ SPECIALTY ITEMS

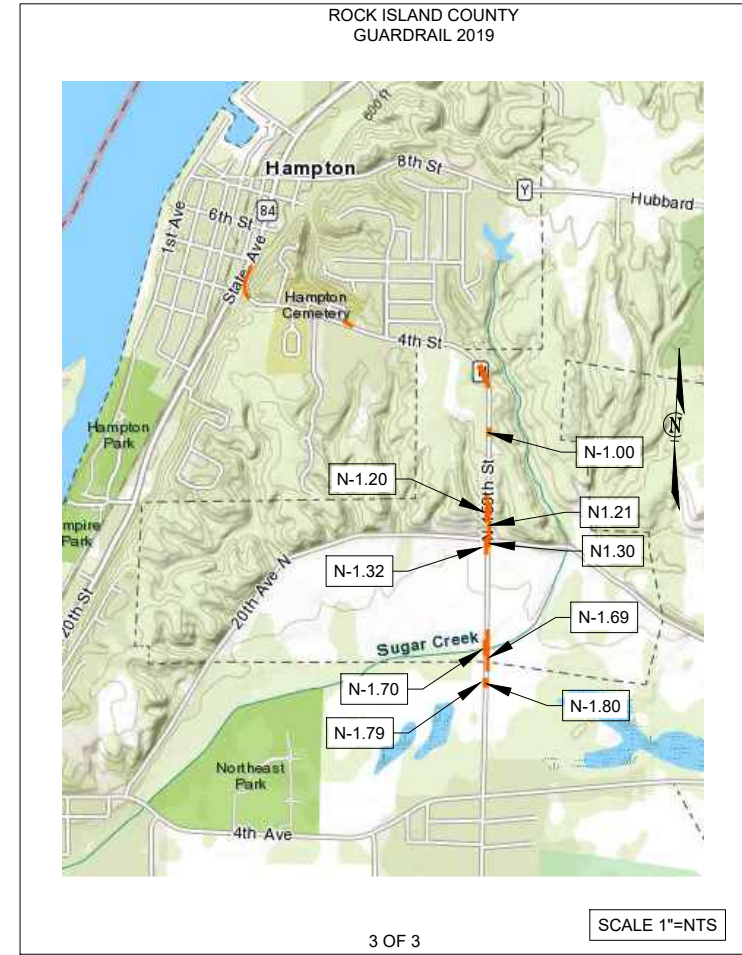
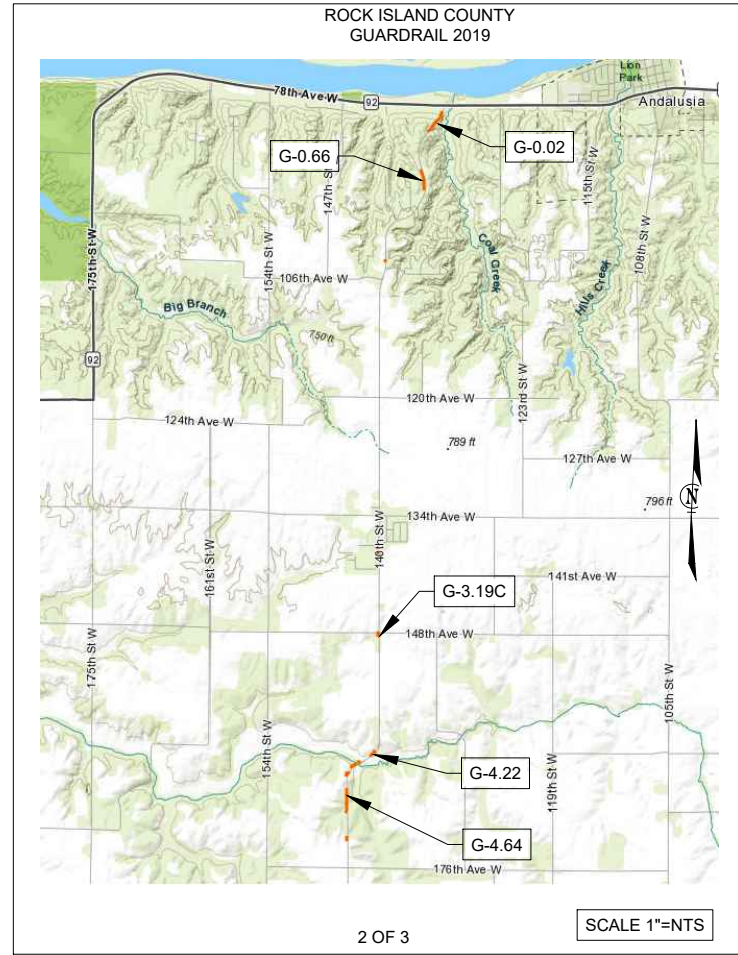
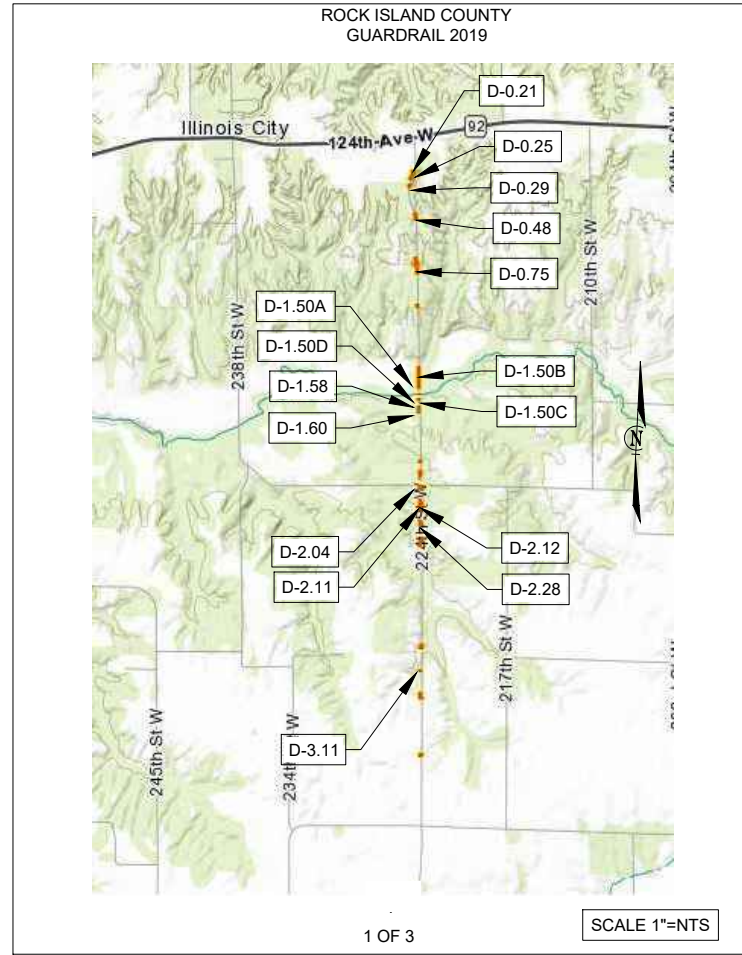
COMMITMENTS


NONE AT THIS TIME

LIST OF ILLINOIS DOT HIGHWAY STANDARDS

000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
630001-12	STEEL PLATE BEAM GUARDRAIL
630106-02	LONG-SPAN GUARDRAIL OVER CULVERT
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631011-10	TRAFFIC BARRIER TERMINAL, TYPE 2
631031-16	TRAFFIC BARRIER TERMINAL, TYPE 6
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701201-05	LANE CLOSURE, DAY ONLY, FOR SPEEDS > 45 MPH
701421-08	LANE CLOSURE, MULTILANE, DAY ONLY, FOR SPEEDS > 45 MPH TO 55 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701901-08	TRAFFIC CONTROL DEVICES
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS, AND DELINEATORS
725001-01	OBJECT AND TERMINAL MARKERS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
BLR 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
BLR 26-3	STEEL PLATE BEAM GUARDRAIL, 29" HIGH
BLR 27-1	TRAFFIC BARRIER TERMINAL TYPE 5A

REVISION/ISSUED					
BY	DATE	BY	DATE	BY	DATE
7/26/6		7/26/6		7/26/6	
PROJECT NO.	FIELD BOOK NO.	START DATE	DRAWN BY	CHECKED BY	C&A REF. NO.
7266	1422-8E-14	7/14-0050	MMW/TRF	BTR	184-000397
					
					
GENERAL NOTES & INDEX OF SHEETS ROCK ISLAND COUNTY GUARDRAIL IMPROVEMENTS ROCK ISLAND COUNTY, IL					
sheet no. 002					
project no. 7266					

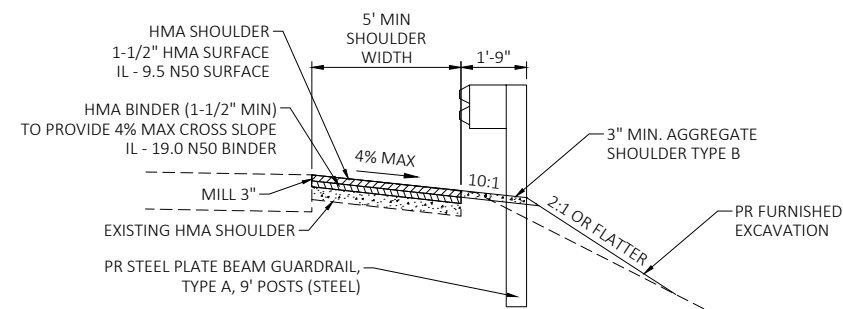


LOCATION MAPS - PRIORITY 1 - 5 ROCK ISLAND COUNTY GUARDRAIL IMPROVEMENTS ROCK ISLAND COUNTY, IL	sheet no. 003	PROJECT NO. 7266	BY DATE	REVISION/ISSUED			
	project no. 7266						
 CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS DECATUR (217) 422-8544 SCHAUMBURG (773) 714-0050 ROCKFORD (815) 489-0050 184-001397	FIELD BOOK NO. 7266	START DATE	DRAWN BY MMW/TRF	CHECKED BY BTR	CSA REF. NO.	PWC REF. NO.	FILE LOCATION
	PROJECT NO.	START DATE	DRAWN BY	CHECKED BY	CSA REF. NO.	PWC REF. NO.	FILE LOCATION
	FIELD BOOK NO.	START DATE	DRAWN BY	CHECKED BY	CSA REF. NO.	PWC REF. NO.	FILE LOCATION
	PROJECT NO.	START DATE	DRAWN BY	CHECKED BY	CSA REF. NO.	PWC REF. NO.	FILE LOCATION
	FIELD BOOK NO.	START DATE	DRAWN BY	CHECKED BY	CSA REF. NO.	PWC REF. NO.	FILE LOCATION

	X2501000	20200100	20400800	35101400	44000161	48203100	48101200	63000003	63000350	63100167	63100075	63100045	63200310	X6330725	72501000	78200005	
	ACRE	CU YD	CU YD	TON	SQ YD	TON	TON	FOOT	FOOT	EACH	EACH	EACH	FOOT	FOOT	EACH	EACH	
LOCATION_ID	PAGE NUMBER	SEEDING, CLASS 2A (SPECIAL)	EARTH EXCAVATION	FURNISHED EXCAVATION	AGGREGATE BASE COURSE, TYPE B	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	HOT MIX ASPHALT SHOULDERS	AGGREGATE SHOULDERS, TYPE B	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	TRAFFIC BARRIER TERMINAL, TYPE 5A	TRAFFIC BARRIER TERMINAL, TYPE 2	GUARDRAIL REMOVAL	STL PLT BEAM GUARDRAIL (SHORT RADIUS)	TERMINAL MARKER - DIRECT APPLIED	GUARDRAIL REFLECTORS, TYPE A
D-0.21	6	0.04				101.1	17.4	6.7	50.0	37.5			2	100	28		3
D-0.25	7	0.13	18	34	15.0	343.8	59.3	23.2	462.5		2			300		2	6
D-0.29	7	0.04												138			
D-0.48	8	0.09	10	42	9.0	213.9	36.9	14.6	250.0		2			238		2	4
D-0.75	9	0.14	19	33	16.0	366.7	63.3	24.7	500.0		2			450		2	6
D-1.50A (081-3096)	10	0.06		52		147.7	25.5	10.3	62.5		2	1	2	50	16	2	4
D-1.50D (081-3096)	10	0.02				8.1	1.4	0.5				1		40			
D-1.58	10	0.03												100			
D-1.60	10	0.15	22	4	18.0	375.8	64.8	25.1	565.0		1			238		1	5
D-1.50B (081-3096)	11	0.19		26		497.0	85.7	33.1	750.0		1	1		700		1	4
D-1.50C (081-3096)	11	0.05		26		156.6	27.0	8.9	87.5		1		2	32	26	1	3
D-2.04	12	0.09	10	42	8.0	215.4	37.2	14.7	212.5		2			175	40	2	5
D-2.11	13	0.12		52		357.5	61.7	20.2	312.5	75.0	2			238		2	6
D-2.12	14	0.07	8	50	7.0	183.3	31.6	12.6	200.0		2			350		2	4
D-2.28	15	0.08		52		198.6	34.3	13.6	187.5	37.5	2			100		2	4
D-3.11	16	0.06		105		152.8	26.4	10.6	150.0		2			113		2	3
G-0.02	17 & 18	0.30		52		950.8	164.0	52.8	1087.5		2		2	1163	59	2	17
G-0.66	19	0.26		52		823.5	142.1	45.8	887.5	37.5	2		2	950	48	2	13
G-3.19C	20	0.06		26				42.0	100.0	37.5	1		1	200	46	1	3
G-4.22	21	0.11		52		267.4	46.1	18.2	337.5		2			338		2	5
G-4.64	22	0.09		52		275.0	47.4	15.6	275.0		2			725		2	4
N-1.00	23	0.12		52				74.1	331.0		2		2	125	40	2	6
N-1.20	24	0.12		52				71.1	362.5	37.5	2			425		2	6
N-1.21	24	0.16		52				92.8	475.0	37.5	2			613	41	2	7
N-1.30	25	0.05		52				28.0	50.0		2			113	45	2	1
N-1.32	25	0.10		52				60.9	287.5		2			138	40	2	4
N-1.70	26	0.09		26				49.4	175.0	37.5	1		2	263	36	1	2
N-1.69	27	0.13		52				91.3	425.0	37.5	2			650		2	6
N-1.79	27	0.10		52		295.5	51.0	16.8	187.5	37.5	2		2	150	28	2	5
N-1.80	27	0.10		26		295.2	50.9	16.5	150.0	37.5	1		3	138	90	1	4

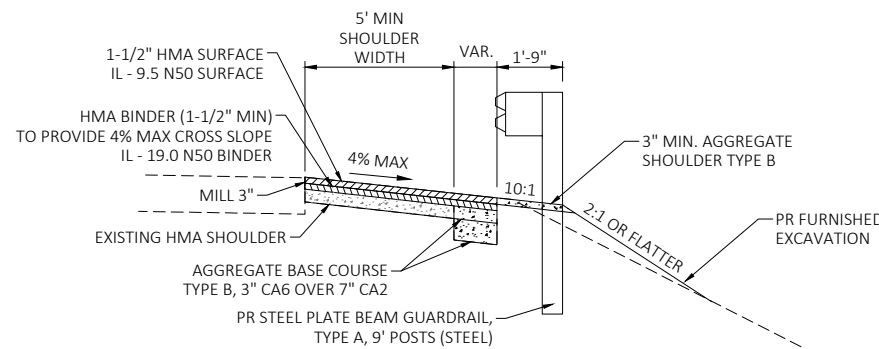
3.15	87	1168	73	6226	1074	894	8921	450	46	3	20	9347	583	46	140
ACRE	CU YD	CU YD	TON	SQ YD	TON	TON	FOOT	FOOT	EACH	EACH	EACH	FOOT	FOOT	EACH	EACH

REVISION/ISSUED	BY	DATE
PROJECT NO.	7296	
FIELD BOOK NO.		
START DATE		
DRAWN BY	MMW/IRF	
CHECKED BY	BTR	
CSA REF. NO.		
PWC REF. NO.		
FILE LOCATION		
DECATUR (217) 422-8544 SCHAUMBURG (708) 714-0050 ROCKFORD (815) 469-0050 184-001397 CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS		
QUANTITIES	ROCK ISLAND COUNTY GUARDRAIL IMPROVEMENTS	ROCK ISLAND COUNTY, IL
sheet no.	004	
project no.	7266	



PROPOSED TYPICAL SECTION - HMA SHOULDER

GUARDRAIL WITH 9' POSTS (HMA SHOULDER)

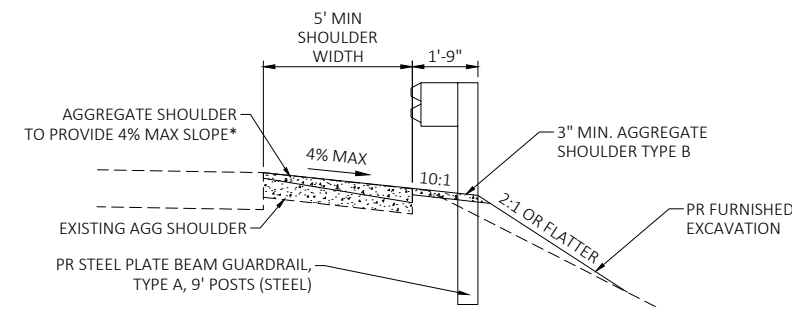


PROPOSED TYPICAL SECTION - HMA SHOULDER W/WIDENING

WITH SHOULDER WIDENING (9' POSTS & HMA PAVEMENT)

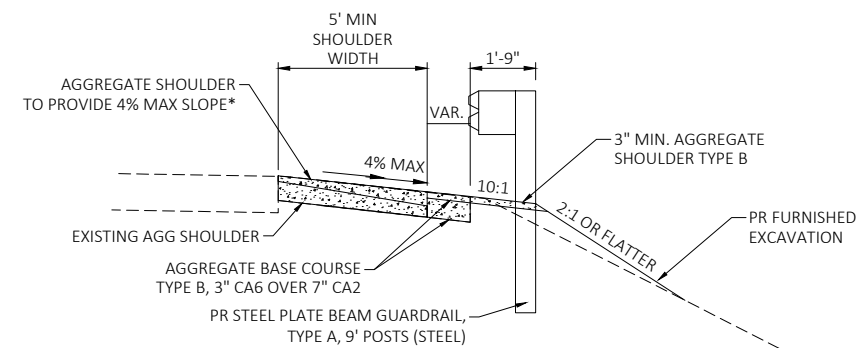
HMA MIXTURE REQUIREMENTS TABLE

Location(s):	Shoulder
Mixture Use(s):	Surface and Binder
PG:	PG 64-22
Design Air Voids:	4.0% @ N50
Mixture Composition: (Mixture Gradation)	IL 9.5
Friction Aggregate:	"C"
Mixture Weight:	112 lb/sy/in
Quality Management Program:	QC/QA
Sublot Size:	N/A
Number of Roller Passes:	N/A



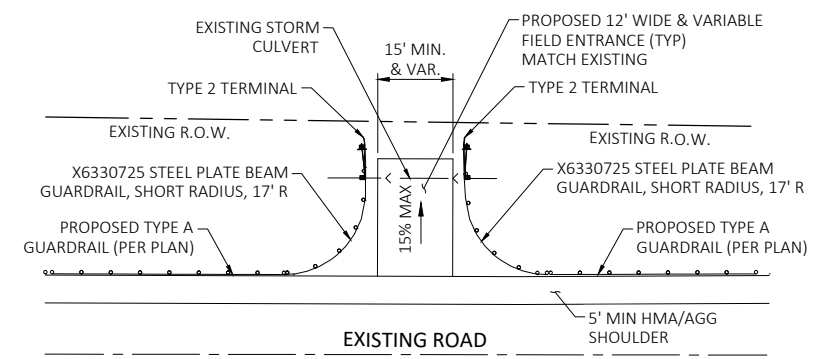
PROPOSED TYPICAL SECTION - AGGREGATE SHOULDER

GUARDRAIL WITH 9' POSTS (AGGREGATE SHOULDER)



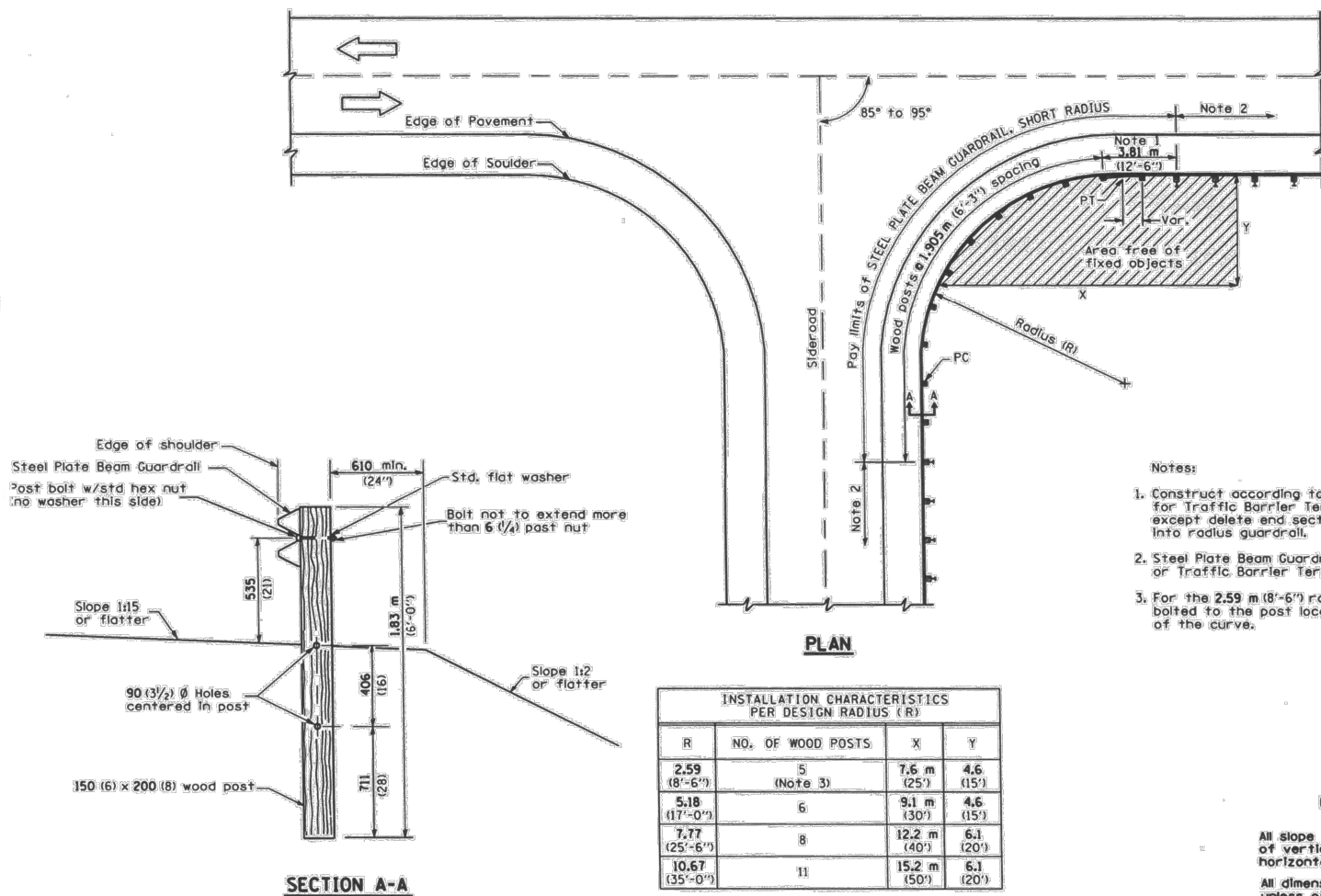
PROPOSED TYPICAL SECTION - AGG SHOULDER W/WIDENING

WITH SHOULDER WIDENING (9' POSTS & AGG. SURFACE)



PROPOSED FIELD ENTRANCE

TYPICAL SECTION



STEEL PLATE BEAM GUARDRAIL, SHORT RADIUS

INSTALLATION CHARACTERISTICS PER DESIGN RADIUS (R)

R	NO. OF WOOD POSTS	X	Y
2.59 (8'-6")	5 (Note 3)	7.6 m (25')	4.6 (15')
5.18 (17'-0")	6	9.1 m (30')	4.6 (15')
7.77 (25'-6")	8	12.2 m (40')	6.1 (20')
10.67 (35'-0")	11	15.2 m (50')	6.1 (20')

- Notes:
- Construct according to Standard 631011 for Traffic Barrier Terminal Type 2, except delete end section and splice into radius guardrail.
 - Steel Plate Beam Guardrail Type A, Type B, or Traffic Barrier Terminal as specified.
 - For the 2.59 m (8'-6") radius, the rail is not bolted to the post located at the midpoint of the curve.

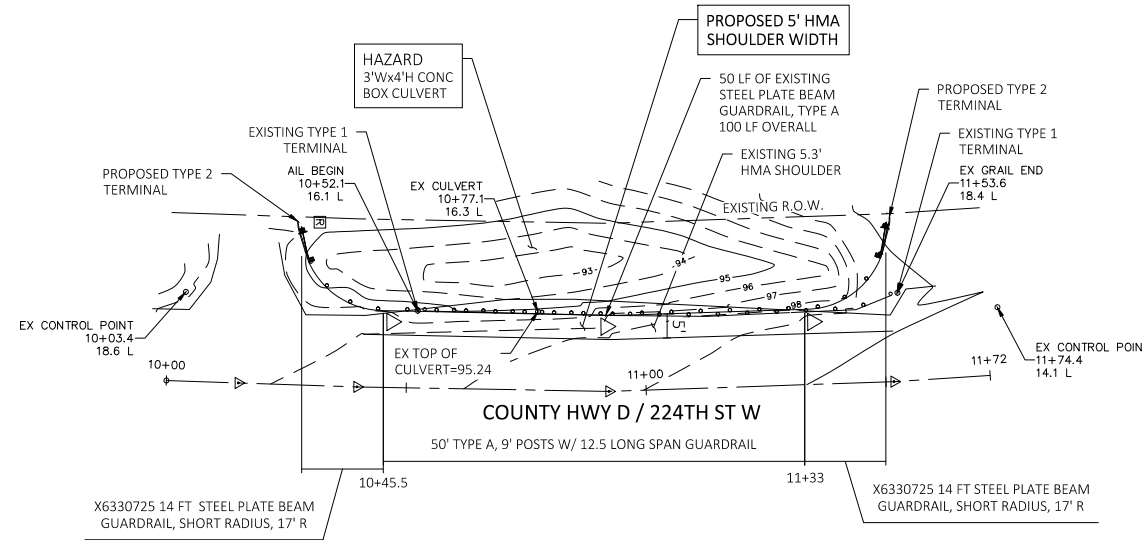
GENERAL NOTES

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).
All dimensions are in millimeters (inches) unless otherwise shown.

REVISION/ISSUED	
BY	DATE
PROJECT NO.	7256
FIELD BOOK NO.	
START DATE	
DRAWN BY	MMW/TRF
CHECKED BY	BTR
CSA REF. NO.	
PAVC REF. NO.	
FILE LOCATION	
DECATUR	(217) 422-8544
SCHAUMBURG	(773) 744-0050
ROCKFORD	(815) 489-0050
CONSULTING ENGINEERS	184-001397
CHASTAIN & ASSOCIATES LLC	
TYPICAL SECTIONS	
ROCK ISLAND COUNTY GUARDRAIL IMPROVEMENTS	
ROCK ISLAND COUNTY, IL	
sheet no.	005
project no.	7266

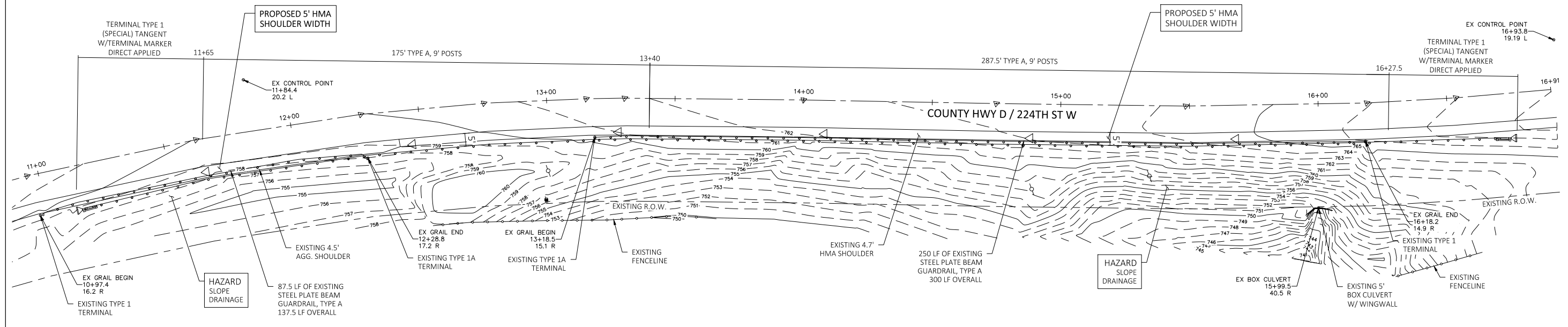
LOCATION NO. D-0.21
 ADT 350
 DESIGN SPEED 55 MPH
 MAJOR COLLECTOR
 MIN GUARDRAIL OFFSET EOP = 5 FT

LOCATION_ID	D-0.21		
PAY ITEM #	PAY ITEM	UNITS	QTY
X2501000	SEEDING, CLASS 2A (SPECIAL)	Acre	0.04
20200100	EARTH EXCAVATION	CU YD	0
20400800	FURNISHED EXCAVATION	CU YD	0
35101400	AGGREGATE BASE COURSE, TYPE B	TON	0
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	101.1
48203100	HOT MIX ASPHALT SHOULDERS	TON	17.4
48101200	AGGREGATE SHOULDERS, TYPE B	TON	6.70
63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	LF	50
63000350	LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	LF	37.5
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	Each	0
63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	Each	0
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	Each	2
63200310	GUARDRAIL REMOVAL	LF	100
X6330725	STL PLT BEAM GUARDRAIL (SHORT RADIUS)	LF	28
72501000	TERMINAL MARKER - DIRECT APPLIED	Each	0
78200005	GUARDRAIL REFLECTORS, TYPE A	Each	3



LEGEND	
	EXISTING GUARDRAIL
	EXISTING STORM SEWER
	EXISTING SANITARY SEWER
	EXISTING WATER LINE
	EXISTING FIRE HYDRANT
	EXISTING CURB & GUTTER
	EXISTING SIDEWALK
	EXISTING CONTOUR
	EXISTING MANHOLE
	EXISTING LIGHT POLE
	PIN FOUND
	GUARDRAIL REFLECTOR, TYPE A

PROJECT NO. 7256	FIELD BOOK NO.	START DATE	DRAWN BY	CHECKED BY	CS&A REF. NO.	P&C REF. NO.	FILE LOCATION
			MW/T/RF	BTR			
DECATUR (217) 422-8544 SCHAUMBURG (773) 744-0050 ROCKFORD (815) 489-0050 184-001397 CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS							
RICO-D-0.21 ROCK ISLAND COUNTY GUARDRAIL IMPROVEMENTS ROCK ISLAND COUNTY, IL							
sheet no. 006							
project no. 7266							

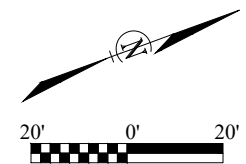


LOCATION NO. D-0.29
 ADT 350
 DESIGN SPEED 55 MPH
 MAJOR COLLECTOR
 MIN. GUARDRAIL OFFSET EOP = 5 FT

LOCATION NO. D-0.25
 ADT 350
 DESIGN SPEED 55 MPH
 MAJOR COLLECTOR
 MIN. GUARDRAIL OFFSET EOP = 5 FT

LOCATION_ID	D-0.29		
PAY ITEM #	PAY ITEM	UNITS	QTY
X2501000	SEEDING, CLASS 2A (SPECIAL)	Acre	0.04
20200100	EARTH EXCAVATION	CU YD	0
20400800	FURNISHED EXCAVATION	CU YD	0
35101400	AGGREGATE BASE COURSE, TYPE B	TON	0
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	0
48203100	HOT MIX ASPHALT SHOULDERS	TON	0
48101200	AGGREGATE SHOULDERS, TYPE B	TON	0
63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	LF	0
63000350	LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	LF	0
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	Each	0
63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	Each	0
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	Each	0
63200310	GUARDRAIL REMOVAL	LF	137.5
X6330725	STL PLT BEAM GUARDRAIL (SHORT RADIUS)	LF	0
72501000	TERMINAL MARKER - DIRECT APPLIED	Each	0
78200005	GUARDRAIL REFLECTORS, TYPE A	Each	0

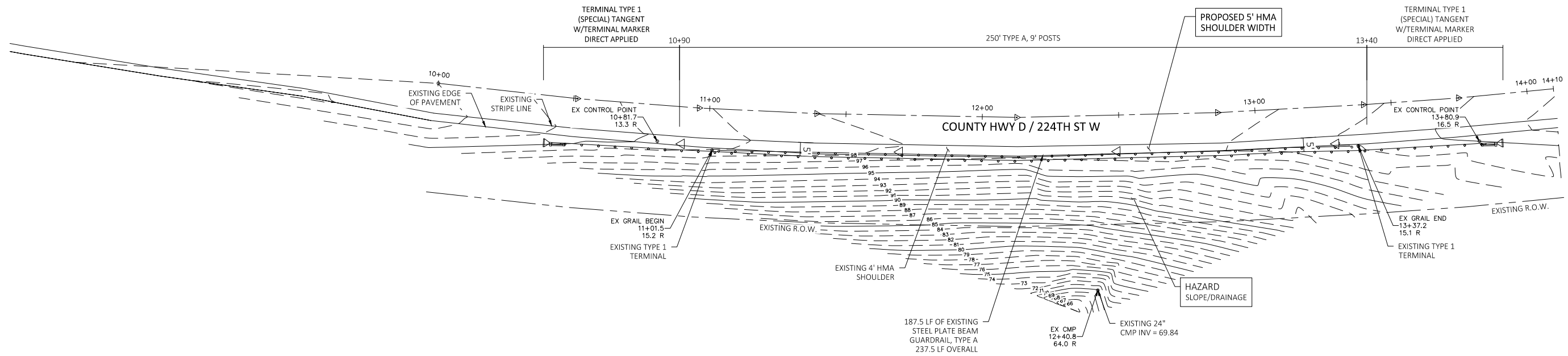
LOCATION_ID	D-0.25		
PAY ITEM #	PAY ITEM	UNITS	QTY
X2501000	SEEDING, CLASS 2A (SPECIAL)	Acre	0.13
20200100	EARTH EXCAVATION	CU YD	18
20400800	FURNISHED EXCAVATION	CU YD	34
35101400	AGGREGATE BASE COURSE, TYPE B	TON	15
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	343.8
48203100	HOT MIX ASPHALT SHOULDERS	TON	59.3
48101200	AGGREGATE SHOULDERS, TYPE B	TON	23.20
63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	LF	462.5
63000350	LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	LF	0
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	Each	2
63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	Each	0
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	Each	0
63200310	GUARDRAIL REMOVAL	LF	300
X6330725	STL PLT BEAM GUARDRAIL (SHORT RADIUS)	LF	0
72501000	TERMINAL MARKER - DIRECT APPLIED	Each	2
78200005	GUARDRAIL REFLECTORS, TYPE A	Each	6



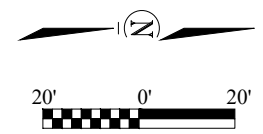
LEGEND

	EXISTING GUARDRAIL
	EXISTING STORM SEWER
	EXISTING SANITARY SEWER
	EXISTING WATER LINE
	EXISTING FIRE HYDRANT
	EXISTING CURB & GUTTER
	EXISTING SIDEWALK
	EXISTING CONTOUR
	EXISTING MANHOLE
	EXISTING LIGHT POLE
	PIN FOUND
	GUARDRAIL REFLECTOR, TYPE A

REVISION/ISSUED	
BY	DATE
PROJECT NO.	7256
FIELD BOOK NO.	
START DATE	
DRAWN BY	MMW/TRF
CHECKED BY	BTR
C&A REF. NO.	
P&C REF. NO.	
FILE LOCATION	
(217) 422-8544 (773) 714-0050 (615) 489-0050 184-001397	
CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS	
RICO-D-0.25 & D-0.29	
ROCK ISLAND COUNTY GUARDRAIL IMPROVEMENTS	
ROCK ISLAND COUNTY, IL	
sheet no.	007
project no.	7266



LOCATION NO. D-0.48
 ADT 350
 DESIGN SPEED 55 MPH
 MAJOR COLLECTOR
 MIN. GUARDRAIL OFFSET EOP = 5FT

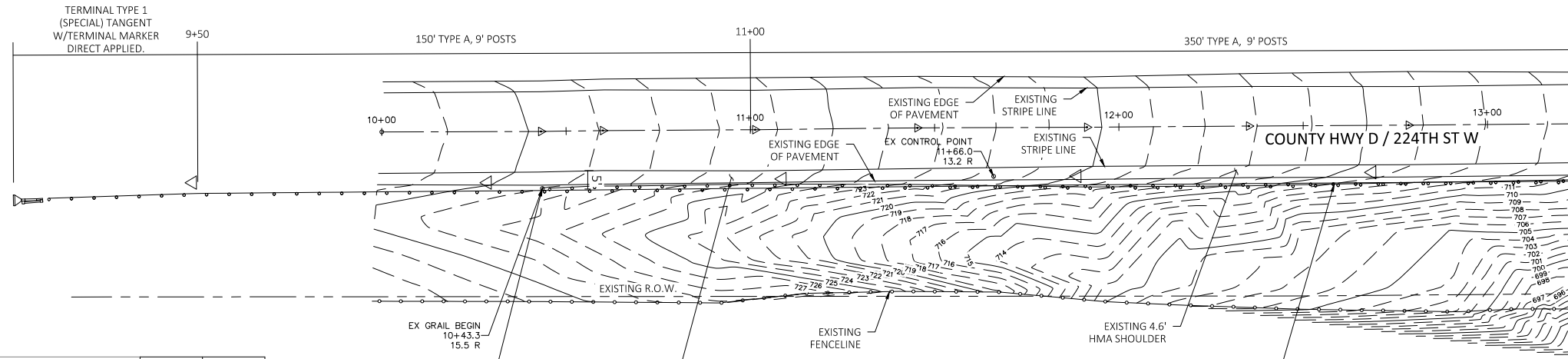


LOCATION_ID	D-0.48	UNITS	QTY
X2501000	SEEDING, CLASS 2A (SPECIAL)	Acre	0.09
20200100	EARTH EXCAVATION	CU YD	10
20400800	FURNISHED EXCAVATION	CU YD	42
35101400	AGGREGATE BASE COURSE, TYPE B	TON	9
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	213.9
48203100	HOT MIX ASPHALT SHOULDERS	TON	36.9
48101200	AGGREGATE SHOULDERS, TYPE B	TON	14.60
63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	LF	250
63000350	LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	LF	0
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	Each	2
63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	Each	0
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	Each	0
63200310	GUARDRAIL REMOVAL	LF	237.5
X6330725	STL PLT BEAM GUARDRAIL (SHORT RADIUS)	LF	0
72501000	TERMINAL MARKER - DIRECT APPLIED	Each	2
78200005	GUARDRAIL REFLECTORS, TYPE A	Each	4

LEGEND

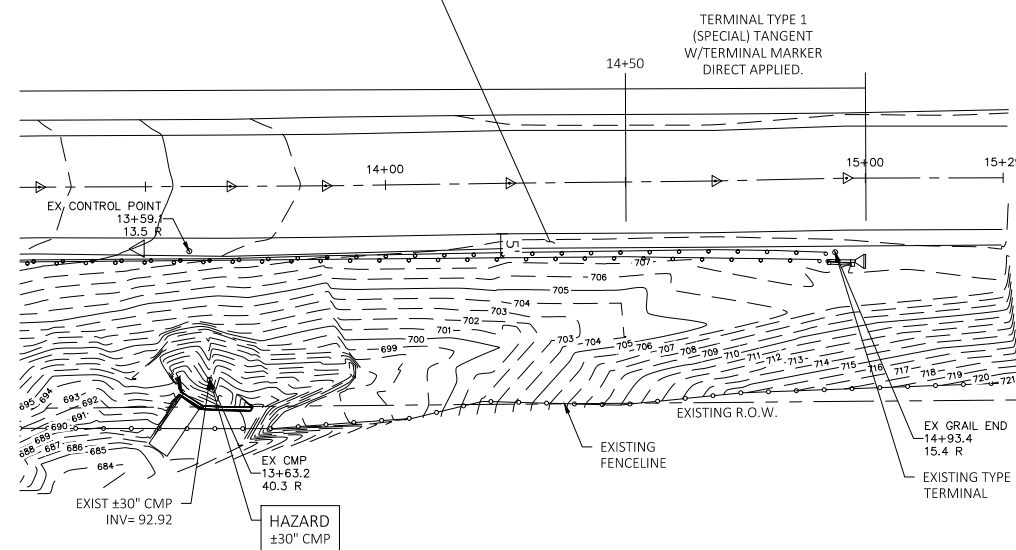
	EXISTING GUARDRAIL
	EXISTING STORM SEWER
	EXISTING SANITARY SEWER
	EXISTING WATER LINE
	EXISTING FIRE HYDRANT
	EXISTING CURB & GUTTER
	EXISTING SIDEWALK
	EXISTING CONTOUR
	EXISTING MANHOLE
	EXISTING LIGHT POLE
	PIN FOUND
	GUARDRAIL REFLECTOR, TYPE A

PROJECT NO. 7256	FIELD BOOK NO.	START DATE	DRAWN BY	CHECKED BY	CSA REF. NO.	PWC REF. NO.	FILE LOCATION
			MW/T/RF	BTR			
DECATUR (217) 422-8544 SCHAUMBURG (773) 714-0050 ROCKFORD (815) 489-0050 184-001397							
CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS							
RICO-D-0.48 ROCK ISLAND COUNTY GUARDRAIL IMPROVEMENTS ROCK ISLAND COUNTY, IL							
sheet no. 008							
project no. 7266							

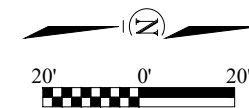


LOCATION_ID	D-0.75		
PAY ITEM #	PAY ITEM	UNITS	QTY
X2501000	SEEDING, CLASS 2A (SPECIAL)	Acre	0.14
20200100	EARTH EXCAVATION	CU YD	19
20400800	FURNISHED EXCAVATION	CU YD	33
35101400	AGGREGATE BASE COURSE, TYPE B	TON	16
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	366.7
48203100	HOT MIX ASPHALT SHOULDERS	TON	63.3
48101200	AGGREGATE SHOULDERS, TYPE B	TON	24.70
63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	LF	500
63000350	LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	LF	0
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	Each	2
63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	Each	0
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	Each	0
63200310	GUARDRAIL REMOVAL	LF	450
X6330725	STL PLT BEAM GUARDRAIL (SHORT RADIUS)	LF	0
72501000	TERMINAL MARKER - DIRECT APPLIED	Each	2
78200005	GUARDRAIL REFLECTORS, TYPE A	Each	6

LOCATION NO. D-0.75
 ADT 350
 DESIGN SPEED 55 MPH
 MAJOR COLLECTOR
 GUARDRAIL MIN. OFFSET = 5 FT

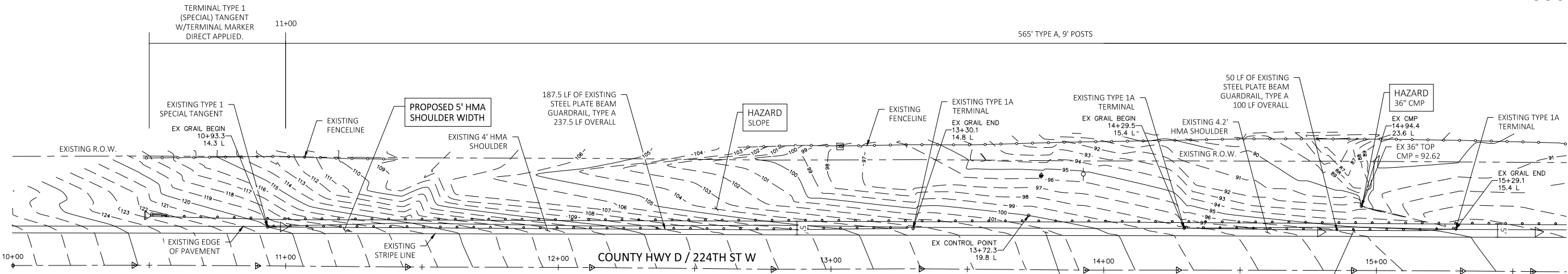


LOCATION NO. D-0.75
 ADT 350
 DESIGN SPEED 55 MPH
 MAJOR COLLECTOR
 MIN. GUARDRAIL OFFSET EOP = 5 FT



LEGEND	
	EXISTING GUARDRAIL
	EXISTING STORM SEWER
	EXISTING SANITARY SEWER
	EXISTING WATER LINE
	EXISTING FIRE HYDRANT
	EXISTING CURB & GUTTER
	EXISTING SIDEWALK
	EXISTING CONTOUR
	EXISTING MANHOLE
	EXISTING LIGHT POLE
	PIN FOUND
	GUARDRAIL REFLECTOR, TYPE A

REVISION/ISSUED									
BY	DATE								
PROJECT NO.	FIELD BOOK NO.	START DATE	DRAWN BY	CHECKED BY	CSA REF. NO.	PWC REF. NO.	FILE LOCATION		
7256	7256		MMW/IRF	BTR					
DECATUR		(217) 422-8544							
SCHAMBURG		(773) 714-0050							
ROCKFORD		(815) 489-0050							
CONSULTING ENGINEERS		184-001397							
CHASTAIN & ASSOCIATES LLC									
ROCK ISLAND COUNTY GUARDRAIL IMPROVEMENTS									
ROCK ISLAND COUNTY, IL									
RICO-D-0.75									
sheet no. 009									
project no. 7266									



LOCATION_ID	D-1.60		UNITS	QTY
PAY ITEM #	PAY ITEM			
X2501000	SEEDING, CLASS 2A (SPECIAL)	Acre	0.15	
20200100	EARTH EXCAVATION	CU YD	22	
20400800	FURNISHED EXCAVATION	CU YD	4	
35101400	AGGREGATE BASE COURSE, TYPE B	TON	18	
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	375.8	
48203100	HOT MIX ASPHALT SHOULDERS	TON	64.8	
48101200	AGGREGATE SHOULDERS, TYPE B	TON	25.10	
63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	LF	565	
63000350	LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	LF	0	
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	Each	1	
63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	Each	0	
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	Each	0	
63200310	GUARDRAIL REMOVAL	LF	237.5	
X6330725	STL PLT BEAM GUARDRAIL (SHORT RADIUS)	LF	0	
72501000	TERMINAL MARKER - DIRECT APPLIED	Each	1	
78200005	GUARDRAIL REFLECTORS, TYPE A	Each	5	

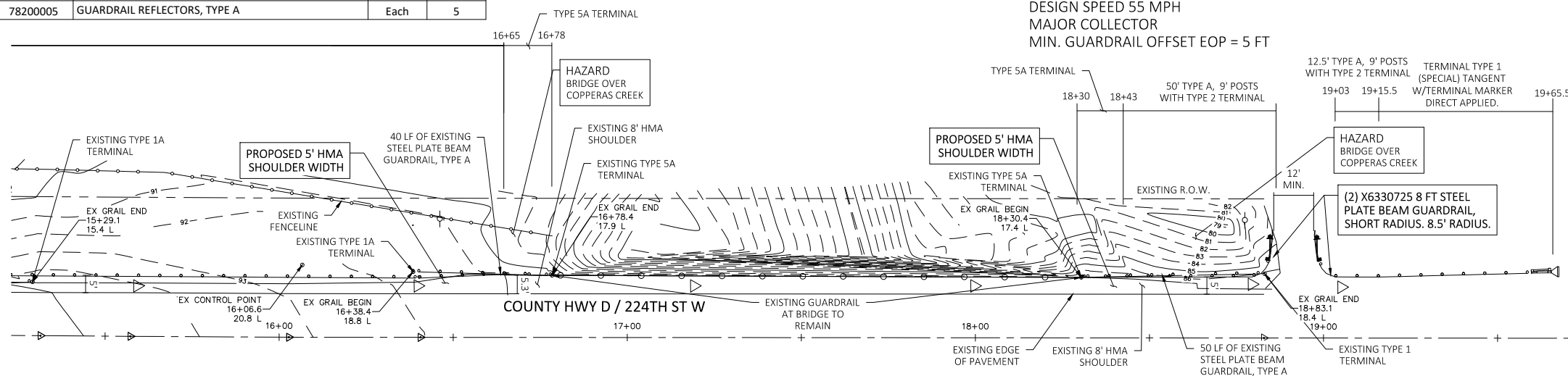
LOCATION NO. D-1.60
ADT 350
DESIGN SPEED 55 MPH
MAJOR COLLECTOR
MIN. GUARDRAIL OFFSET EOP = 5 FT

LOCATION NO. D-1.58
ADT 350
DESIGN SPEED 55 MPH
MAJOR COLLECTOR
MIN. GUARDRAIL OFFSET EOP = 5 FT

LOCATION_ID	D-1.58		UNITS	QTY
PAY ITEM #	PAY ITEM			
X2501000	SEEDING, CLASS 2A (SPECIAL)	Acre	0.03	
20200100	EARTH EXCAVATION	CU YD	0	
20400800	FURNISHED EXCAVATION	CU YD	0	
35101400	AGGREGATE BASE COURSE, TYPE B	TON	0	
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	0	
48203100	HOT MIX ASPHALT SHOULDERS	TON	0	
48101200	AGGREGATE SHOULDERS, TYPE B	TON	0	
63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	LF	0	
63000350	LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	LF	0	
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	Each	0	
63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	Each	0	
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	Each	0	
63200310	GUARDRAIL REMOVAL	LF	100	
X6330725	STL PLT BEAM GUARDRAIL (SHORT RADIUS)	LF	0	
72501000	TERMINAL MARKER - DIRECT APPLIED	Each	0	
78200005	GUARDRAIL REFLECTORS, TYPE A	Each	0	

LOCATION NO. D-1.50D
ADT 350
DESIGN SPEED 55 MPH
MAJOR COLLECTOR
MIN. GUARDRAIL OFFSET EOP = 5 FT

LOCATION NO. D-1.50A
ADT 350
DESIGN SPEED 55 MPH
MAJOR COLLECTOR
MIN. GUARDRAIL OFFSET EOP = 5 FT



LOCATION_ID	D-1.50D (081-3096)		UNITS	QTY
PAY ITEM #	PAY ITEM			
X2501000	SEEDING, CLASS 2A (SPECIAL)	Acre	0.02	
20200100	EARTH EXCAVATION	CU YD	0	
20400800	FURNISHED EXCAVATION	CU YD	0	
35101400	AGGREGATE BASE COURSE, TYPE B	TON	0	
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	8.1	
48203100	HOT MIX ASPHALT SHOULDERS	TON	1.4	
48101200	AGGREGATE SHOULDERS, TYPE B	TON	0.50	
63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	LF	0	
63000350	LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	LF	0	
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	Each	0	
63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	Each	1	
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	Each	0	
63200310	GUARDRAIL REMOVAL	LF	40	
X6330725	STL PLT BEAM GUARDRAIL (SHORT RADIUS)	LF	0	
72501000	TERMINAL MARKER - DIRECT APPLIED	Each	0	
78200005	GUARDRAIL REFLECTORS, TYPE A	Each	0	

LOCATION_ID	D-1.50A (081-3096)		UNITS	QTY
PAY ITEM #	PAY ITEM			
X2501000	SEEDING, CLASS 2A (SPECIAL)	Acre	0.06	
20200100	EARTH EXCAVATION	CU YD	0	
20400800	FURNISHED EXCAVATION	CU YD	52	
35101400	AGGREGATE BASE COURSE, TYPE B	TON	0	
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	147.7	
48203100	HOT MIX ASPHALT SHOULDERS	TON	25.5	
48101200	AGGREGATE SHOULDERS, TYPE B	TON	10.30	
63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	LF	62.5	
63000350	LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	LF	0	
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	Each	2	
63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	Each	1	
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	Each	2	
63200310	GUARDRAIL REMOVAL	LF	50	
X6330725	STL PLT BEAM GUARDRAIL (SHORT RADIUS)	LF	16	
72501000	TERMINAL MARKER - DIRECT APPLIED	Each	2	
78200005	GUARDRAIL REFLECTORS, TYPE A	Each	4	

LEGEND	
	EXISTING GUARDRAIL
	EXISTING STORM SEWER
	EXISTING SANITARY SEWER
	EXISTING WATER LINE
	EXISTING FIRE HYDRANT
	EXISTING CURB & GUTTER
	EXISTING SIDEWALK
	EXISTING CONTOUR
	EXISTING MANHOLE
	EXISTING LIGHT POLE
	PIN FOUND
	GUARDRAIL REFLECTOR, TYPE A

REVISION/ISSUED

BY DATE

PROJECT NO. 7256

FIELD BOOK NO.

START DATE

DRAWN BY MWT/TRF

CHECKED BY BTR

CSA REF. NO.

PWC REF. NO.

FILE LOCATION

DECATUR (217) 422-8544

SCHAUMBURG (773) 714-0050

ROCKFORD (815) 489-0050

184-001397

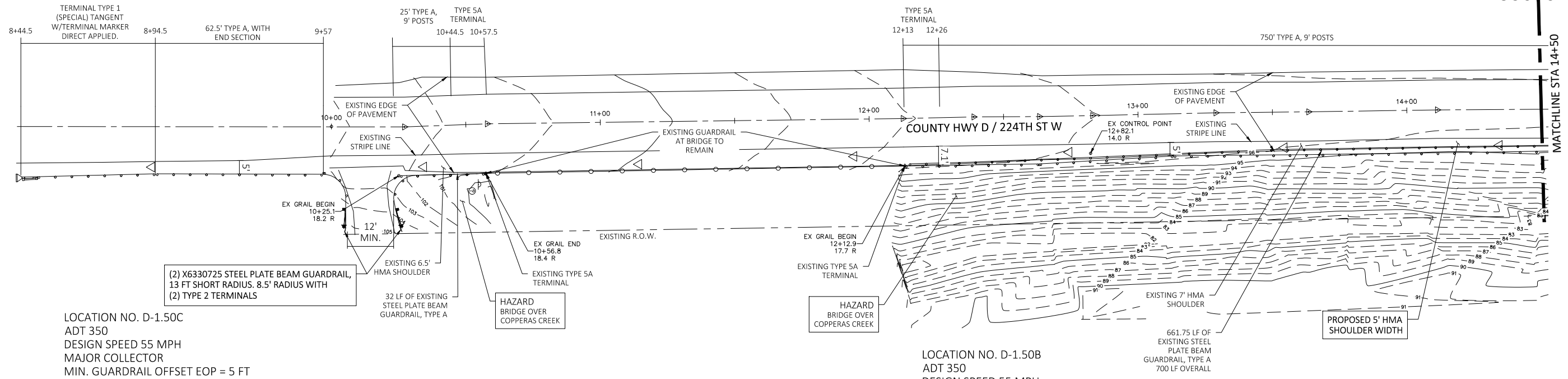
CHASTAIN & ASSOCIATES LLC
CONSULTING ENGINEERS

RICO-D-1.50A&D-D-1.58-D-1.60

sheet no. 010

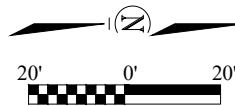
project no. 7266

ROCK ISLAND COUNTY
GUARDRAIL IMPROVEMENTS
ROCK ISLAND COUNTY, IL



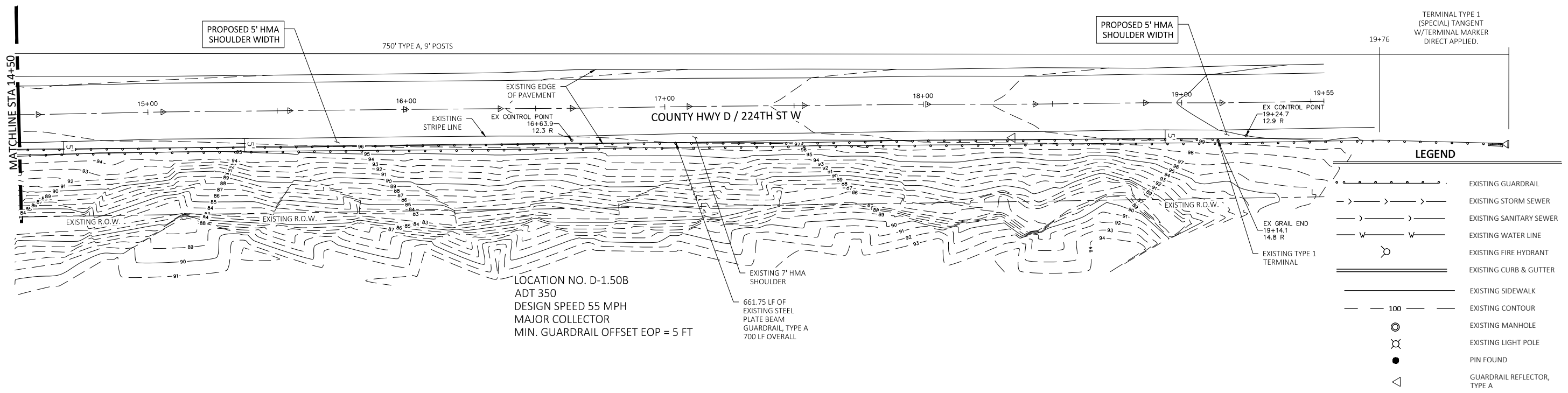
LOCATION NO. D-1.50C
 ADT 350
 DESIGN SPEED 55 MPH
 MAJOR COLLECTOR
 MIN. GUARDRAIL OFFSET EOP = 5 FT

LOCATION NO. D-1.50B
 ADT 350
 DESIGN SPEED 55 MPH
 MAJOR COLLECTOR
 MIN. GUARDRAIL OFFSET EOP = 5 FT



LOCATION_ID	D-1.50C (081-3096)	UNITS	QTY
PAY ITEM #	PAY ITEM		
X2501000	SEEDING, CLASS 2A (SPECIAL)	Acre	0.05
20200100	EARTH EXCAVATION	CU YD	0
20400800	FURNISHED EXCAVATION	CU YD	26
35101400	AGGREGATE BASE COURSE, TYPE B	TON	0
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	156.6
48203100	HOT MIX ASPHALT SHOULDERS	TON	27
48101200	AGGREGATE SHOULDERS, TYPE B	TON	8.90
63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	LF	87.5
63000350	LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	LF	0
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	Each	1
63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	Each	0
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	Each	2
63200310	GUARDRAIL REMOVAL	LF	32
X6330725	STL PLT BEAM GUARDRAIL (SHORT RADIUS)	LF	26
72501000	TERMINAL MARKER - DIRECT APPLIED	Each	1
78200005	GUARDRAIL REFLECTORS, TYPE A	Each	3

LOCATION_ID	D-1.50B (081-3096)	UNITS	QTY
PAY ITEM #	PAY ITEM		
X2501000	SEEDING, CLASS 2A (SPECIAL)	Acre	0.19
20200100	EARTH EXCAVATION	CU YD	0
20400800	FURNISHED EXCAVATION	CU YD	26
35101400	AGGREGATE BASE COURSE, TYPE B	TON	0
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	497
48203100	HOT MIX ASPHALT SHOULDERS	TON	85.7
48101200	AGGREGATE SHOULDERS, TYPE B	TON	33.10
63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	LF	750
63000350	LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	LF	0
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	Each	1
63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	Each	1
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	Each	0
63200310	GUARDRAIL REMOVAL	LF	700
X6330725	STL PLT BEAM GUARDRAIL (SHORT RADIUS)	LF	0
72501000	TERMINAL MARKER - DIRECT APPLIED	Each	1
78200005	GUARDRAIL REFLECTORS, TYPE A	Each	4



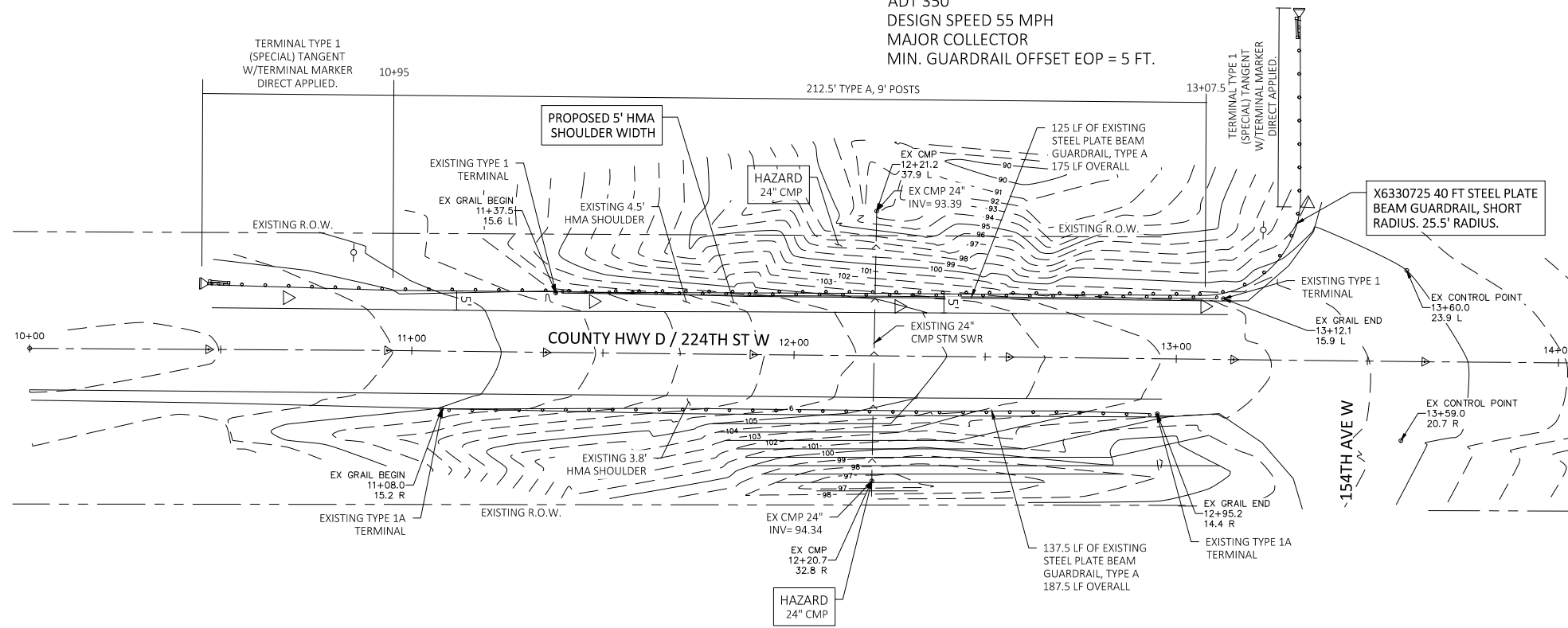
LOCATION NO. D-1.50B
 ADT 350
 DESIGN SPEED 55 MPH
 MAJOR COLLECTOR
 MIN. GUARDRAIL OFFSET EOP = 5 FT

LEGEND

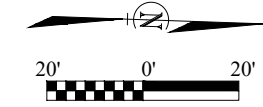
- EXISTING GUARDRAIL
- EXISTING STORM SEWER
- EXISTING SANITARY SEWER
- EXISTING WATER LINE
- EXISTING FIRE HYDRANT
- EXISTING CURB & GUTTER
- EXISTING SIDEWALK
- EXISTING CONTOUR
- EXISTING MANHOLE
- EXISTING LIGHT POLE
- PIN FOUND
- GUARDRAIL REFLECTOR, TYPE A

REVISION/ISSUED									
BY	DATE								
PROJECT NO.	FIELD BOOK NO.	START DATE	DRAWN BY	CHECKED BY	CS&A REF. NO.	P&W REF. NO.	FILE LOCATION		
7256			MMW/T/RF	BTR					
DECATUR (217) 422-8544 SCHAUMBURG (773) 714-0050 ROCKFORD (815) 489-0050 184-001397 CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS									
RICO-D-1.50 B & C ROCK ISLAND COUNTY GUARDRAIL IMPROVEMENTS ROCK ISLAND COUNTY, IL									
sheet no. 011 project no. 7266									

LOCATION NO. D-2.04
 ADT 350
 DESIGN SPEED 55 MPH
 MAJOR COLLECTOR
 MIN. GUARDRAIL OFFSET EOP = 5 FT.



LOCATION_ID	D-2.04		
PAY ITEM #	PAY ITEM	UNITS	QTY
X2501000	SEEDING, CLASS 2A (SPECIAL)	Acre	0.09
20200100	EARTH EXCAVATION	CU YD	10
20400800	FURNISHED EXCAVATION	CU YD	42
35101400	AGGREGATE BASE COURSE, TYPE B	TON	8
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	215.4
48203100	HOT MIX ASPHALT SHOULDERS	TON	37.2
48101200	AGGREGATE SHOULDERS, TYPE B	TON	14.70
63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	LF	212.5
63000350	LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	LF	0
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	Each	2
63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	Each	0
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	Each	0
63200310	GUARDRAIL REMOVAL	LF	175
X6330725	STL PLT BEAM GUARDRAIL (SHORT RADIUS)	LF	40
72501000	TERMINAL MARKER - DIRECT APPLIED	Each	2
78200005	GUARDRAIL REFLECTORS, TYPE A	Each	5

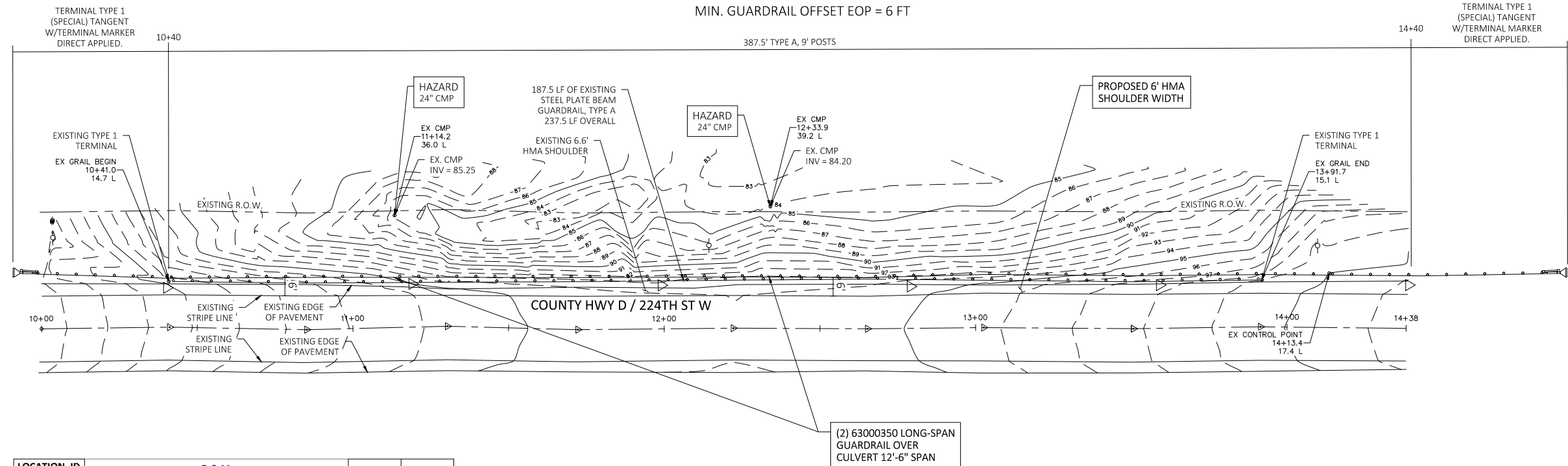


LEGEND

	EXISTING GUARDRAIL
	EXISTING STORM SEWER
	EXISTING SANITARY SEWER
	EXISTING WATER LINE
	EXISTING FIRE HYDRANT
	EXISTING CURB & GUTTER
	EXISTING SIDEWALK
	EXISTING CONTOUR
	EXISTING MANHOLE
	EXISTING LIGHT POLE
	PIN FOUND
	GUARDRAIL REFLECTOR, TYPE A

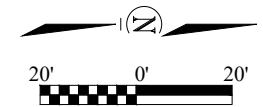
PROJECT NO. 7256	START DATE	DRAWN BY MMW/TIR	CHECKED BY BTR	CSA REF. NO.	PWC REF. NO.	FILE LOCATION
FIELD BOOK NO.	START DATE	DRAWN BY	CHECKED BY	CSA REF. NO.	PWC REF. NO.	FILE LOCATION
DECATUR (217) 422-8544 SCHAUMBURG (773) 714-0050 ROCKFORD (815) 489-0050 184-001397 CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS						
RICO-D-2.04 ROCK ISLAND COUNTY GUARDRAIL IMPROVEMENTS ROCK ISLAND COUNTY, IL						
sheet no. 012						
project no. 7266						

LOCATION NO. D-2.11
 ADT 350
 DESIGN SPEED 55 MPH
 MAJOR COLLECTOR
 MIN. GUARDRAIL OFFSET EOP = 6 FT



LOCATION_ID	D-2.11		
PAY ITEM #	PAY ITEM	UNITS	QTY
X2501000	SEEDING, CLASS 2A (SPECIAL)	Acre	0.12
20200100	EARTH EXCAVATION	CU YD	0
20400800	FURNISHED EXCAVATION	CU YD	52
35101400	AGGREGATE BASE COURSE, TYPE B	TON	0
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	357.5
48203100	HOT MIX ASPHALT SHOULDERS	TON	61.7
48101200	AGGREGATE SHOULDERS, TYPE B	TON	20.20
63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	LF	312.5
63000350	LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	LF	75
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	Each	2
63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	Each	0
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	Each	0
63200310	GUARDRAIL REMOVAL	LF	237.5
X6330725	STL PLT BEAM GUARDRAIL (SHORT RADIUS)	LF	0
72501000	TERMINAL MARKER - DIRECT APPLIED	Each	2
78200005	GUARDRAIL REFLECTORS, TYPE A	Each	6

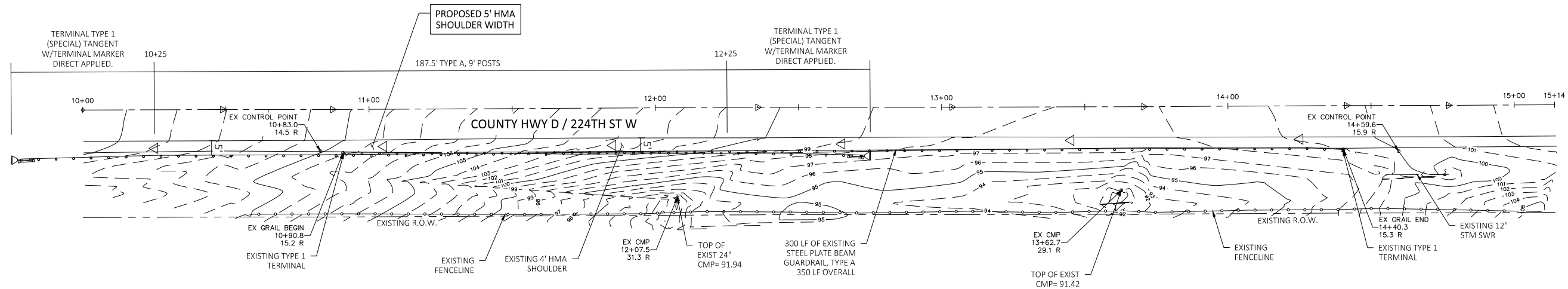
(2) 63000350 LONG-SPAN GUARDRAIL OVER CULVERT 12'-6" SPAN



LEGEND

	EXISTING GUARDRAIL
	EXISTING STORM SEWER
	EXISTING SANITARY SEWER
	EXISTING WATER LINE
	EXISTING FIRE HYDRANT
	EXISTING CURB & GUTTER
	EXISTING SIDEWALK
	EXISTING CONTOUR
	EXISTING MANHOLE
	EXISTING LIGHT POLE
	PIN FOUND
	GUARDRAIL REFLECTOR, TYPE A

REVISION/ISSUED					
BY	DATE				
PROJECT NO.	7256	FIELD BOOK NO.		START DATE	
DRAWN BY	MMW/TRF	CHECKED BY	BTR	CS&A REF. NO.	
P&C REF. NO.		FILE LOCATION		DECATUR	(217) 422-8544
				SCHAUMBURG	(773) 714-0050
				ROCKFORD	(815) 469-0050
				CONSULTING ENGINEERS	184-001397
RICO-D-2.11		ROCK ISLAND COUNTY		CHASTAIN	
		GUARDRAIL IMPROVEMENTS		& ASSOCIATES LLC	
		ROCK ISLAND COUNTY, IL		ENGINEERS	
sheet no.	013				
project no.	7266				



LOCATION_ID	D-2.12		UNITS	QTY
X2501000	PAY ITEM #	PAY ITEM		
20200100		SEEDING, CLASS 2A (SPECIAL)	Acre	0.07
20400800		EARTH EXCAVATION	CU YD	8
35101400		FURNISHED EXCAVATION	CU YD	50
44000161		AGGREGATE BASE COURSE, TYPE B	TON	7
48203100		HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	183.3
48101200		HOT MIX ASPHALT SHOULDERS	TON	31.6
63000003		AGGREGATE SHOULDERS, TYPE B	TON	12.60
63000350		STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	LF	200
63100167		LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	LF	0
63100075		TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	Each	2
63100045		TRAFFIC BARRIER TERMINAL, TYPE 5A	Each	0
63200310		TRAFFIC BARRIER TERMINAL, TYPE 2	Each	0
X6330725		GUARDRAIL REMOVAL	LF	350
72501000		STL PLT BEAM GUARDRAIL (SHORT RADIUS)	LF	0
78200005		TERMINAL MARKER - DIRECT APPLIED	Each	2
		GUARDRAIL REFLECTORS, TYPE A	Each	4

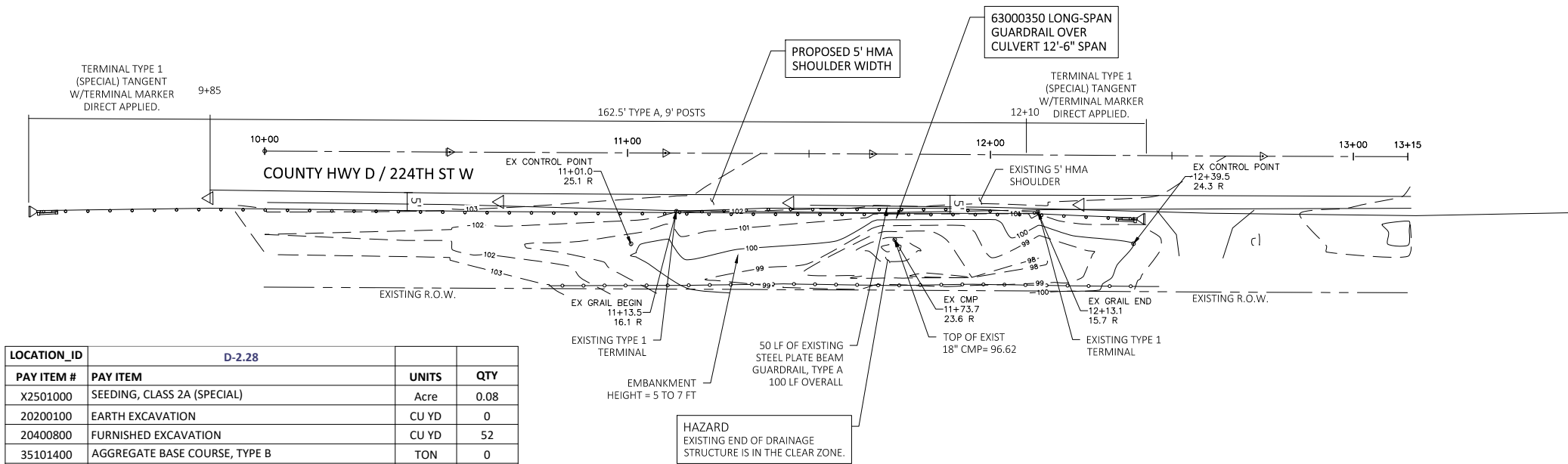
LOCATION NO. D-2.12
 ADT 350
 DESIGN SPEED 55 MPH
 MAJOR COLLECTOR
 MIN. GUARDRAIL OFFSET EOP = 5 FT



LEGEND

	EXISTING GUARDRAIL
	EXISTING STORM SEWER
	EXISTING SANITARY SEWER
	EXISTING WATER LINE
	EXISTING FIRE HYDRANT
	EXISTING CURB & GUTTER
	EXISTING SIDEWALK
	EXISTING CONTOUR
	EXISTING MANHOLE
	EXISTING LIGHT POLE
	PIN FOUND
	GUARDRAIL REFLECTOR, TYPE A

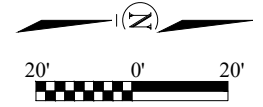
PROJECT NO. 7256	FIELD BOOK NO.	START DATE	DRAWN BY	CHECKED BY	CSA REF. NO.	PWC REF. NO.	FILE LOCATION
DECATUR (217) 422-8544 SCHAMBURG (773) 714-0050 ROCKFORD (815) 469-0050 184-001397 CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS							
RICO-D-2.12 ROCK ISLAND COUNTY GUARDRAIL IMPROVEMENTS ROCK ISLAND COUNTY, IL							
sheet no. 014							
project no. 7266							



LOCATION ID	D-2.28		
PAY ITEM #	PAY ITEM	UNITS	QTY
X2501000	SEEDING, CLASS 2A (SPECIAL)	Acre	0.08
20200100	EARTH EXCAVATION	CU YD	0
20400800	FURNISHED EXCAVATION	CU YD	52
35101400	AGGREGATE BASE COURSE, TYPE B	TON	0
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	198.6
48203100	HOT MIX ASPHALT SHOULDERS	TON	34.3
48101200	AGGREGATE SHOULDERS, TYPE B	TON	13.60
63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	LF	187.5
63000350	LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	LF	37.5
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	Each	2
63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	Each	0
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	Each	0
63200310	GUARDRAIL REMOVAL	LF	100
X6330725	STL PLT BEAM GUARDRAIL (SHORT RADIUS)	LF	0
72501000	TERMINAL MARKER - DIRECT APPLIED	Each	2
78200005	GUARDRAIL REFLECTORS, TYPE A	Each	4

HAZARD
EXISTING END OF DRAINAGE
STRUCTURE IS IN THE CLEAR ZONE.

LOCATION NO. D-2.28
ADT 350
DESIGN SPEED 55 MPH
MAJOR COLLECTOR
MIN. GUARDRAIL OFFSET EOP = 5 FT



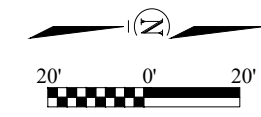
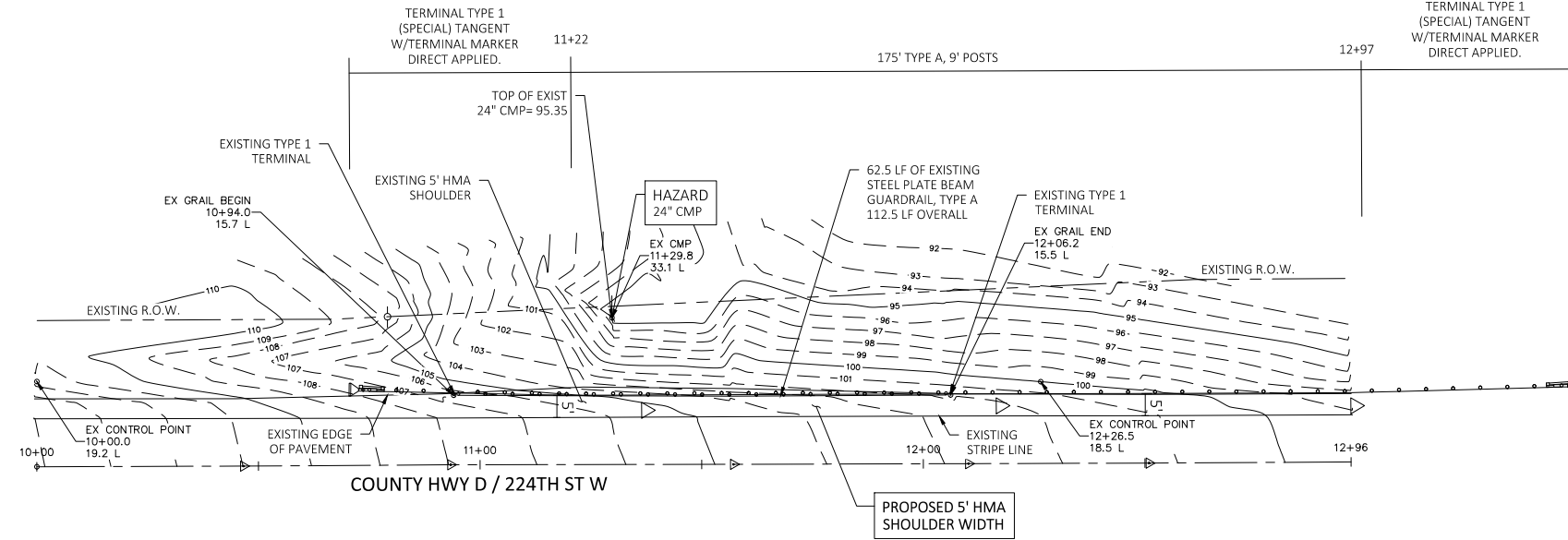
LEGEND

	EXISTING GUARDRAIL
	EXISTING STORM SEWER
	EXISTING SANITARY SEWER
	EXISTING WATER LINE
	EXISTING FIRE HYDRANT
	EXISTING CURB & GUTTER
	EXISTING SIDEWALK
	EXISTING CONTOUR
	EXISTING MANHOLE
	EXISTING LIGHT POLE
	PIN FOUND
	GUARDRAIL REFLECTOR, TYPE A

PROJECT NO. 7296	FIELD BOOK NO.	START DATE	DRAWN BY	CHECKED BY	CSA REF. NO.	PWC REF. NO.	FILE LOCATION
			MW7/IRF	BTR			
DECATUR (217) 422-8544 SCHAUMBURG (773) 744-0050 ROCKFORD (815) 469-0050 184-001397 CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS							
RICO-D-2.28 ROCK ISLAND COUNTY GUARDRAIL IMPROVEMENTS ROCK ISLAND COUNTY, IL							
							sheet no. 015
							project no. 7266

LOCATION NO. D-3.11
 ADT 350
 DESIGN SPEED 55 MPH
 MAJOR COLLECTOR
 MIN. GUARDRAIL OFFSET EOP = 5 FT

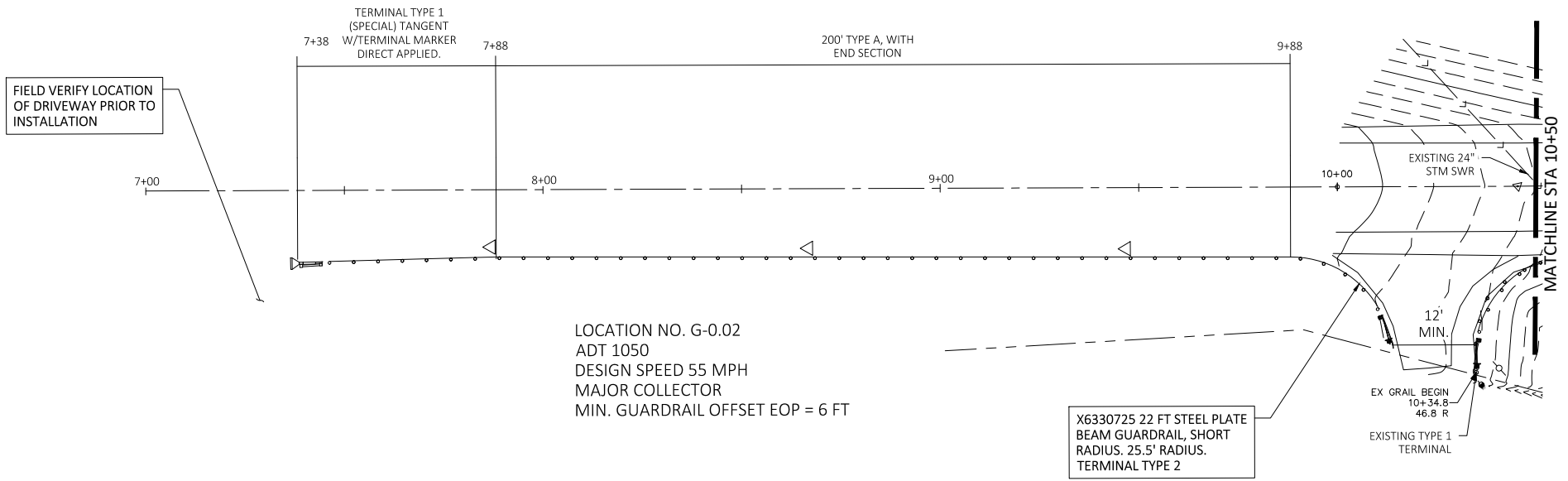
LOCATION_ID	D-3.11		
PAY ITEM #	PAY ITEM	UNITS	QTY
X2501000	SEEDING, CLASS 2A (SPECIAL)	Acre	0.06
20200100	EARTH EXCAVATION	CU YD	0
20400800	FURNISHED EXCAVATION	CU YD	105
35101400	AGGREGATE BASE COURSE, TYPE B	TON	0
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	152.8
48203100	HOT MIX ASPHALT SHOULDERS	TON	26.4
48101200	AGGREGATE SHOULDERS, TYPE B	TON	10.60
63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	LF	150
63000350	LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	LF	0
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL TANGENT)	Each	2
63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	Each	0
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	Each	0
63200310	GUARDRAIL REMOVAL	LF	112.5
X6330725	STL PLT BEAM GUARDRAIL (SHORT RADIUS)	LF	0
72501000	TERMINAL MARKER - DIRECT APPLIED	Each	2
78200005	GUARDRAIL REFLECTORS, TYPE A	Each	3



LEGEND

	EXISTING GUARDRAIL
	EXISTING STORM SEWER
	EXISTING SANITARY SEWER
	EXISTING WATER LINE
	EXISTING FIRE HYDRANT
	EXISTING CURB & GUTTER
	EXISTING SIDEWALK
	EXISTING CONTOUR
	EXISTING MANHOLE
	EXISTING LIGHT POLE
	PIN FOUND
	GUARDRAIL REFLECTOR, TYPE A

REVISION/ISSUED									
BY	DATE								
PROJECT NO.	FIELD BOOK NO.	START DATE	DRAWN BY	CHECKED BY	CS&A REF. NO.	P&C REF. NO.	FILE LOCATION		
7256			MMW/TRF	BTR					
DECATUR SCHAUMBURG ROCKFORD		(217) 422-8544 (773) 714-0050 (615) 489-0050	CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS		184-001397				
RICO-D-3.11 ROCK ISLAND COUNTY GUARDRAIL IMPROVEMENTS ROCK ISLAND COUNTY, IL									
sheet no. 016									
project no. 7266									



LOCATION NO. G-0.02
 ADT 1050
 DESIGN SPEED 55 MPH
 MAJOR COLLECTOR
 MIN. GUARDRAIL OFFSET EOP = 6 FT

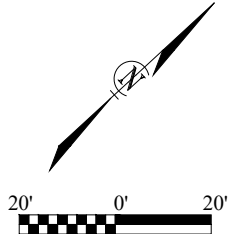
X6330725 22 FT STEEL PLATE
 BEAM GUARDRAIL, SHORT
 RADIUS. 25.5' RADIUS.
 TERMINAL TYPE 2

FIELD VERIFY LOCATION
 OF DRIVEWAY PRIOR TO
 INSTALLATION

NOTE:
 SEE NEXT SHEET FOR QUANTITIES

LEGEND

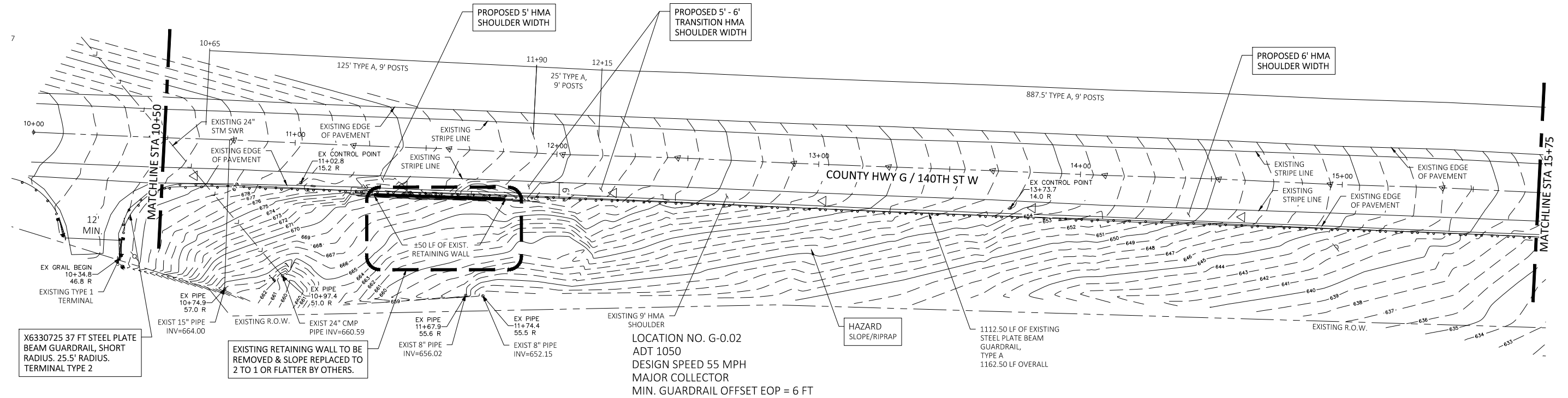
[Symbol: Dashed line with dots]	EXISTING GUARDRAIL	[Symbol: Dashed line]	EXISTING SIDEWALK
[Symbol: Line with inverted V markers]	EXISTING STORM SEWER	[Symbol: Dashed line with '100' label]	EXISTING CONTOUR
[Symbol: Line with 'S' markers]	EXISTING SANITARY SEWER	[Symbol: Circle with cross]	EXISTING MANHOLE
[Symbol: Line with 'W' markers]	EXISTING WATER LINE	[Symbol: Circle]	EXISTING LIGHT POLE
[Symbol: Circle with cross]	EXISTING FIRE HYDRANT	[Symbol: Solid circle]	PIN FOUND
[Symbol: Double line]	EXISTING CURB & GUTTER	[Symbol: Triangle]	GUARDRAIL REFLECTOR, TYPE A



PROJECT NO.	7296
FIELD BOOK NO.	
START DATE	
DRAWN BY	MWT/IRF
CHECKED BY	BTR
CSA REF. NO.	
PAV. REF. NO.	
FILE LOCATION	
PROJECT NO.	7296
PROJECT TITLE	RICO-G-0.02
PROJECT LOCATION	ROCK ISLAND COUNTY GUARDRAIL IMPROVEMENTS ROCK ISLAND COUNTY, IL
PROJECT DESCRIPTION	
PROJECT DATE	
PROJECT STATUS	
PROJECT OWNER	
PROJECT CONTRACTOR	
PROJECT ARCHITECT	
PROJECT ENGINEER	
PROJECT SURVEYOR	
PROJECT PHOTOGRAPHER	
PROJECT VIDEOGRAPHER	
PROJECT DESIGNER	
PROJECT CHECKER	
PROJECT APPROVER	
PROJECT REVIEWER	
PROJECT COMMENT	
PROJECT DATE	
PROJECT BY	
PROJECT REVISION/ISSUED	

CHASTAIN & ASSOCIATES LLC
 CONSULTING ENGINEERS
 DECATUR (217) 422-8544
 SCHAUMBURG (773) 714-0050
 ROCKFORD (815) 469-0050
 184-001397

RICO-G-0.02
 ROCK ISLAND COUNTY
 GUARDRAIL IMPROVEMENTS
 ROCK ISLAND COUNTY, IL
 sheet no. 017
 project no. 7266



X6330725 37 FT STEEL PLATE BEAM GUARDRAIL, SHORT RADIUS. 25.5' RADIUS. TERMINAL TYPE 2

EXISTING RETAINING WALL TO BE REMOVED & SLOPE REPLACED TO 2 TO 1 OR FLATTER BY OTHERS.

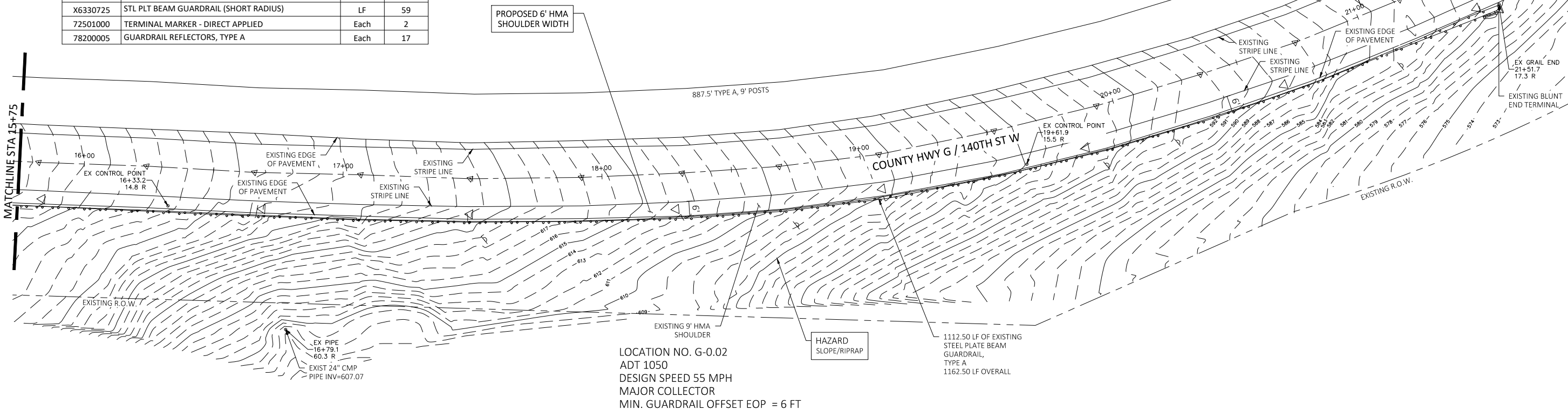
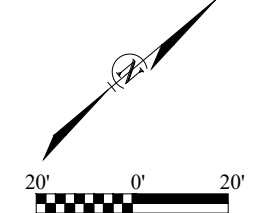
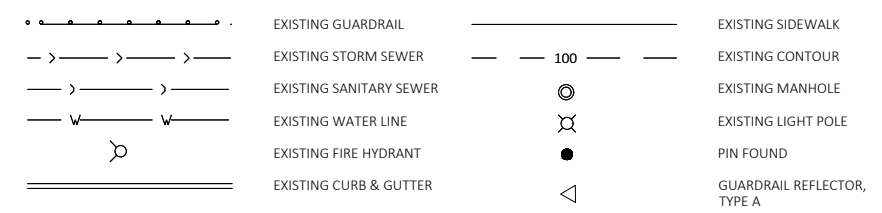
LOCATION NO. G-0.02
 ADT 1050
 DESIGN SPEED 55 MPH
 MAJOR COLLECTOR
 MIN. GUARDRAIL OFFSET EOP = 6 FT

HAZARD SLOPE/RIPRAP

1112.50 LF OF EXISTING STEEL PLATE BEAM GUARDRAIL, TYPE A
 1162.50 LF OVERALL

LOCATION_ID	G-0.02			
PAY ITEM #	PAY ITEM	UNITS	QTY	
X2501000	SEEDING, CLASS 2A (SPECIAL)	Acre	0.3	
20200100	EARTH EXCAVATION	CU YD	0	
20400800	FURNISHED EXCAVATION	CU YD	52	
35101400	AGGREGATE BASE COURSE, TYPE B	TON	0	
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	950.8	
48203100	HOT MIX ASPHALT SHOULDERS	TON	164	
48101200	AGGREGATE SHOULDERS, TYPE B	TON	52.80	
63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	LF	1087.5	
63000350	LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	LF	0	
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	Each	2	
63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	Each	0	
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	Each	2	
63200310	GUARDRAIL REMOVAL	LF	1162.5	
X6330725	STL PLT BEAM GUARDRAIL (SHORT RADIUS)	LF	59	
72501000	TERMINAL MARKER - DIRECT APPLIED	Each	2	
78200005	GUARDRAIL REFLECTORS, TYPE A	Each	17	

LEGEND



PROPOSED 6' HMA SHOULDER WIDTH

LOCATION NO. G-0.02
 ADT 1050
 DESIGN SPEED 55 MPH
 MAJOR COLLECTOR
 MIN. GUARDRAIL OFFSET EOP = 6 FT

HAZARD SLOPE/RIPRAP

1112.50 LF OF EXISTING STEEL PLATE BEAM GUARDRAIL, TYPE A
 1162.50 LF OVERALL

REVISION/ISSUED

NO.	DATE	BY	REVISION/ISSUED

PROJECT NO. 7266
 FIELD BOOK NO.
 START DATE
 DRAWN BY MMW/TFR
 CHECKED BY BTR
 CSA REF. NO.
 PAV. REF. NO.
 FILE LOCATION

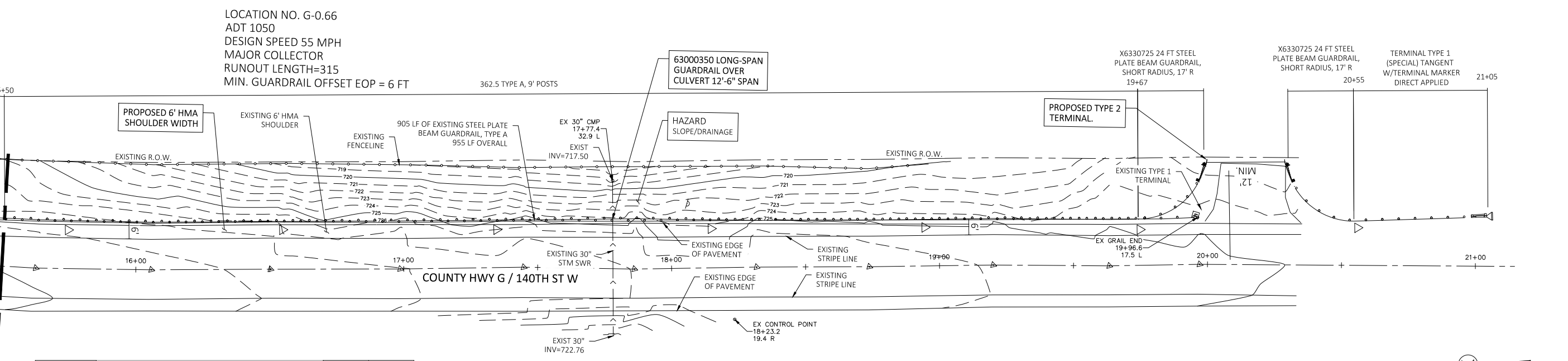
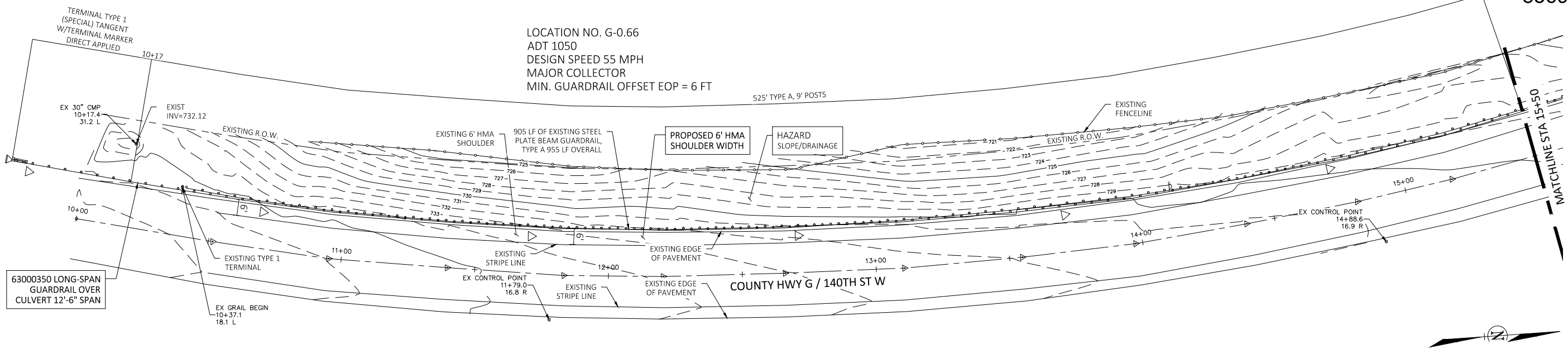
DECATUR (217) 422-8544
 SCHAUMBURG (781) 714-0050
 ROCKFORD (815) 469-0050
 184-001397

CHASTAIN & ASSOCIATES LLC
 CONSULTING ENGINEERS

RICO-G-0.02A
 ROCK ISLAND COUNTY
 GUARDRAIL IMPROVEMENTS
 ROCK ISLAND COUNTY, IL

sheet no. 018
 project no. 7266

LOCATION NO. G-0.66
 ADT 1050
 DESIGN SPEED 55 MPH
 MAJOR COLLECTOR
 MIN. GUARDRAIL OFFSET EOP = 6 FT



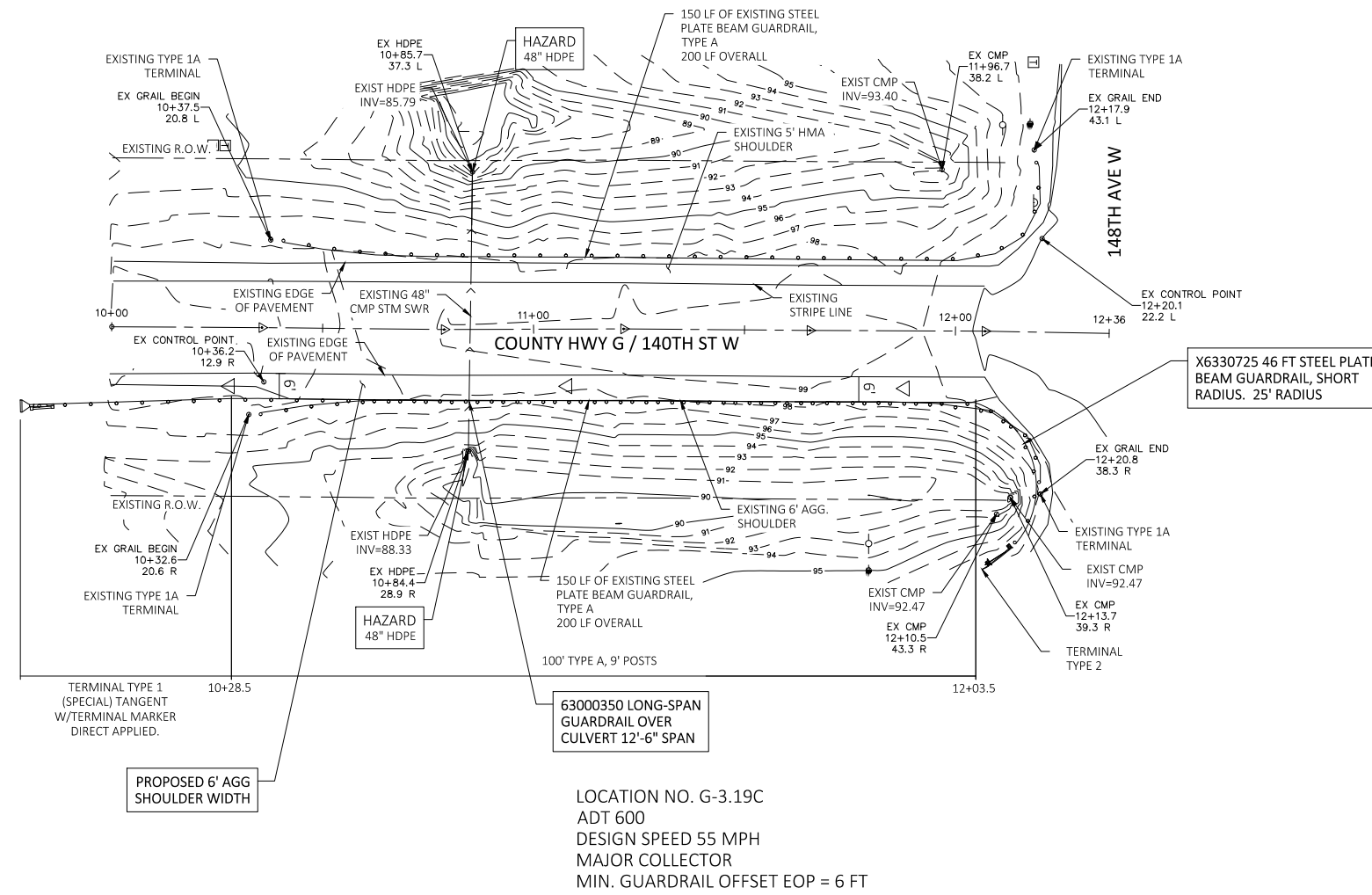
LOCATION_ID	G-0.66	UNITS	QTY
X2501000	SEEDING, CLASS 2A (SPECIAL)	Acre	0.26
20200100	EARTH EXCAVATION	CU YD	0
20400800	FURNISHED EXCAVATION	CU YD	52
35101400	AGGREGATE BASE COURSE, TYPE B	TON	0
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	823.5
48203100	HOT MIX ASPHALT SHOULDERS	TON	142.1
48101200	AGGREGATE SHOULDERS, TYPE B	TON	45.80
63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	LF	887.5
63000350	LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	LF	37.5
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	Each	2
63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	Each	0
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	Each	2
63200310	GUARDRAIL REMOVAL	LF	950
X6330725	STL PLT BEAM GUARDRAIL (SHORT RADIUS)	LF	48
72501000	TERMINAL MARKER - DIRECT APPLIED	Each	2
78200005	GUARDRAIL REFLECTORS, TYPE A	Each	13

LEGEND

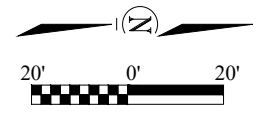
- EXISTING GUARDRAIL
- EXISTING STORM SEWER
- EXISTING SANITARY SEWER
- EXISTING WATER LINE
- EXISTING FIRE HYDRANT
- EXISTING CURB & GUTTER
- EXISTING SIDEWALK
- EXISTING CONTOUR
- EXISTING MANHOLE
- EXISTING LIGHT POLE
- PIN FOUND
- GUARDRAIL REFLECTOR, TYPE A

PROJECT NO. 7296 FIELD BOOK NO. START DATE DRAWN BY MMW/IRF CHECKED BY BTR CSA REF. NO. PAC REF. NO. FILE LOCATION	REVISION/ISSUED BY DATE	DECATUR (217) 422-8544 SCHAUMBURG (773) 714-0050 ROCKFORD (815) 469-0050 184-001397 CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS
RICO-G-0.66 ROCK ISLAND COUNTY GUARDRAIL IMPROVEMENTS ROCK ISLAND COUNTY, IL		sheet no. 019 project no. 7266

LOCATION_ID	G-3.19C		
PAY ITEM #	PAY ITEM	UNITS	QTY
X2501000	SEEDING, CLASS 2A (SPECIAL)	Acre	0.06
20200100	EARTH EXCAVATION	CU YD	0
20400800	FURNISHED EXCAVATION	CU YD	26
35101400	AGGREGATE BASE COURSE, TYPE B	TON	0
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	0
48203100	HOT MIX ASPHALT SHOULDERS	TON	0
48101200	AGGREGATE SHOULDERS, TYPE B	TON	42.00
63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	LF	100
63000350	LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	LF	37.5
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	Each	1
63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	Each	0
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	Each	1
63200310	GUARDRAIL REMOVAL	LF	200
X6330725	STL PLT BEAM GUARDRAIL (SHORT RADIUS)	LF	46
72501000	TERMINAL MARKER - DIRECT APPLIED	Each	1
78200005	GUARDRAIL REFLECTORS, TYPE A	Each	3



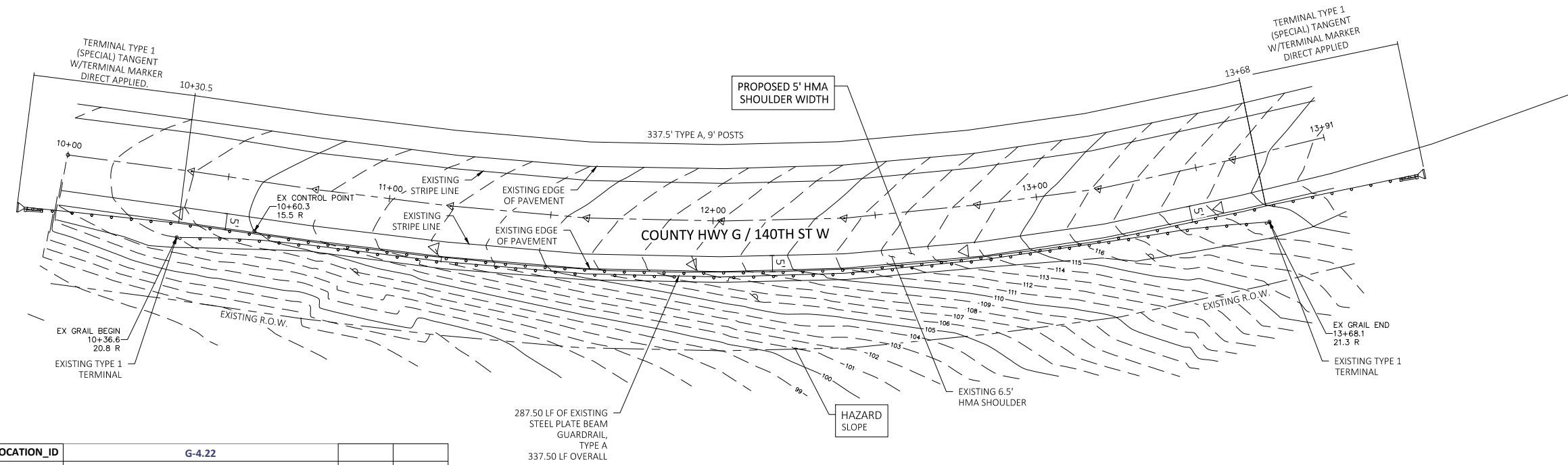
LOCATION NO. G-3.19C
 ADT 600
 DESIGN SPEED 55 MPH
 MAJOR COLLECTOR
 MIN. GUARDRAIL OFFSET EOP = 6 FT



LEGEND

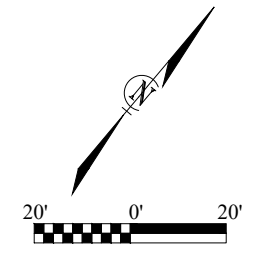
	EXISTING GUARDRAIL
	EXISTING STORM SEWER
	EXISTING SANITARY SEWER
	EXISTING WATER LINE
	EXISTING FIRE HYDRANT
	EXISTING CURB & GUTTER
	EXISTING SIDEWALK
	EXISTING CONTOUR
	EXISTING MANHOLE
	EXISTING LIGHT POLE
	PIN FOUND
	GUARDRAIL REFLECTOR, TYPE A

REVISION/ISSUED					
BY	DATE	BY	DATE	BY	DATE
PROJECT NO.	7256	FIELD BOOK NO.		START DATE	
DRAWN BY	MMW/TRF	CHECKED BY	BTR	DRAWN BY	(217) 422-8544
P&C REF. NO.		FILE LOCATION		DRAWN BY	(773) 714-0050
FILE LOCATION		DRAWN BY		CHECKED BY	(615) 469-0050
FILE LOCATION		DRAWN BY		CHECKED BY	184-001397
 CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS DECATUR (217) 422-8544 SCHAUMBURG (773) 714-0050 ROCKFORD (615) 469-0050					
020 RICO-G-3.19C ROCK ISLAND COUNTY GUARDRAIL IMPROVEMENTS ROCK ISLAND COUNTY, IL					
sheet no. 020					
project no. 7266					



LOCATION_ID	G-4.22		
PAY ITEM #	PAY ITEM	UNITS	QTY
X2501000	SEEDING, CLASS 2A (SPECIAL)	Acre	0.11
20200100	EARTH EXCAVATION	CU YD	0
20400800	FURNISHED EXCAVATION	CU YD	52
35101400	AGGREGATE BASE COURSE, TYPE B	TON	0
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	267.4
48203100	HOT MIX ASPHALT SHOULDERS	TON	46.1
48101200	AGGREGATE SHOULDERS, TYPE B	TON	18.20
63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	LF	337.5
63000350	LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	LF	0
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	Each	2
63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	Each	0
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	Each	0
63200310	GUARDRAIL REMOVAL	LF	337.5
X6330725	STL PLT BEAM GUARDRAIL (SHORT RADIUS)	LF	0
72501000	TERMINAL MARKER - DIRECT APPLIED	Each	2
78200005	GUARDRAIL REFLECTORS, TYPE A	Each	5

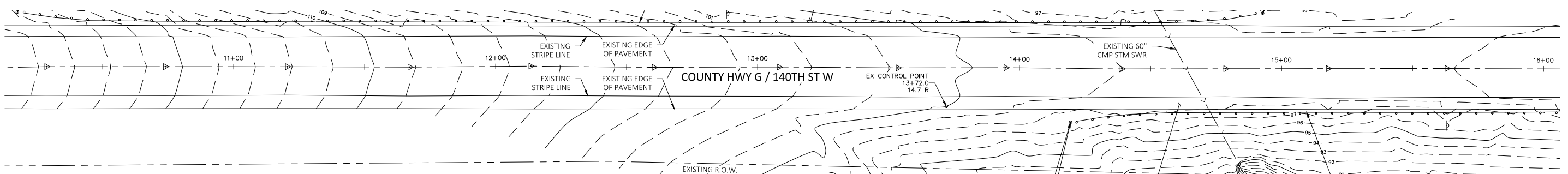
LOCATION NO. G-4.22
 ADT 600
 DESIGN SPEED 55 MPH
 MAJOR COLLECTOR
 MIN. GUARDRAIL OFFSET EOP = 5 FT



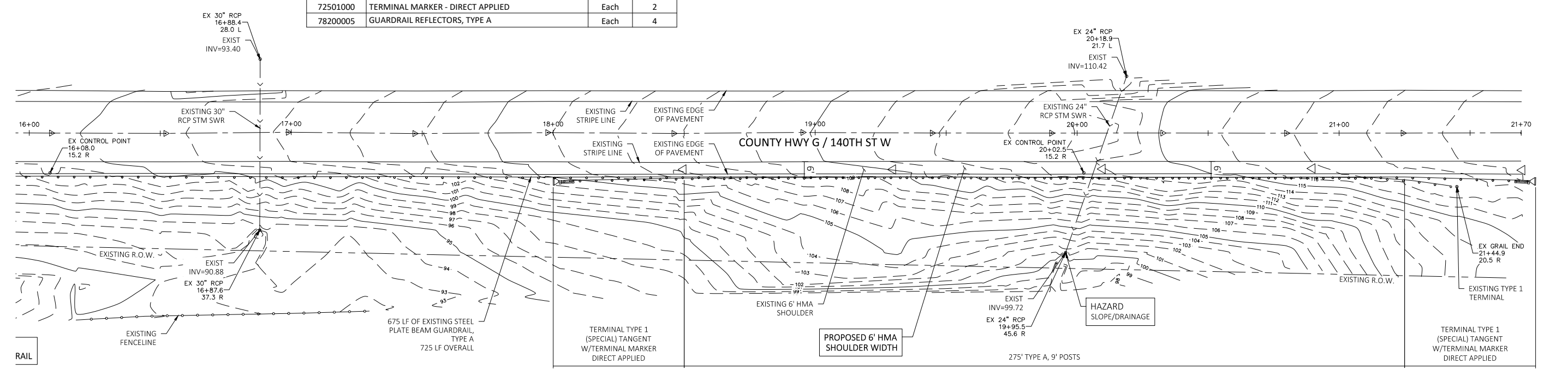
LEGEND

	EXISTING GUARDRAIL
	EXISTING STORM SEWER
	EXISTING SANITARY SEWER
	EXISTING WATER LINE
	EXISTING FIRE HYDRANT
	EXISTING CURB & GUTTER
	EXISTING SIDEWALK
	EXISTING CONTOUR
	EXISTING MANHOLE
	EXISTING LIGHT POLE
	PIN FOUND
	GUARDRAIL REFLECTOR, TYPE A

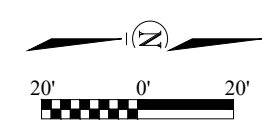
PROJECT NO. 7256	FIELD BOOK NO.	START DATE	DRAWN BY	CHECKED BY	CSA REF. NO.	PAC REF. NO.	FILE LOCATION
			MW/T/RF	BTR			
DECATUR (217) 422-8544 SCHAUMBURG (708) 714-0050 ROCKFORD (815) 489-0050 184-001397 CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS							
021 RICO-G-4.22 ROCK ISLAND COUNTY GUARDRAIL IMPROVEMENTS ROCK ISLAND COUNTY, IL							
sheet no. 021							
project no. 7266							



LOCATION_ID	G-4.64		
PAY ITEM #	PAY ITEM	UNITS	QTY
X2501000	SEEDING, CLASS 2A (SPECIAL)	Acre	0.09
20200100	EARTH EXCAVATION	CU YD	0
20400800	FURNISHED EXCAVATION	CU YD	52
35101400	AGGREGATE BASE COURSE, TYPE B	TON	0
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	275
48203100	HOT MIX ASPHALT SHOULDERS	TON	47.4
48101200	AGGREGATE SHOULDERS, TYPE B	TON	15.60
63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	LF	275
63000350	LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	LF	0
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	Each	2
63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	Each	0
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	Each	0
63200310	GUARDRAIL REMOVAL	LF	725
X6330725	STL PLT BEAM GUARDRAIL (SHORT RADIUS)	LF	0
72501000	TERMINAL MARKER - DIRECT APPLIED	Each	2
78200005	GUARDRAIL REFLECTORS, TYPE A	Each	4

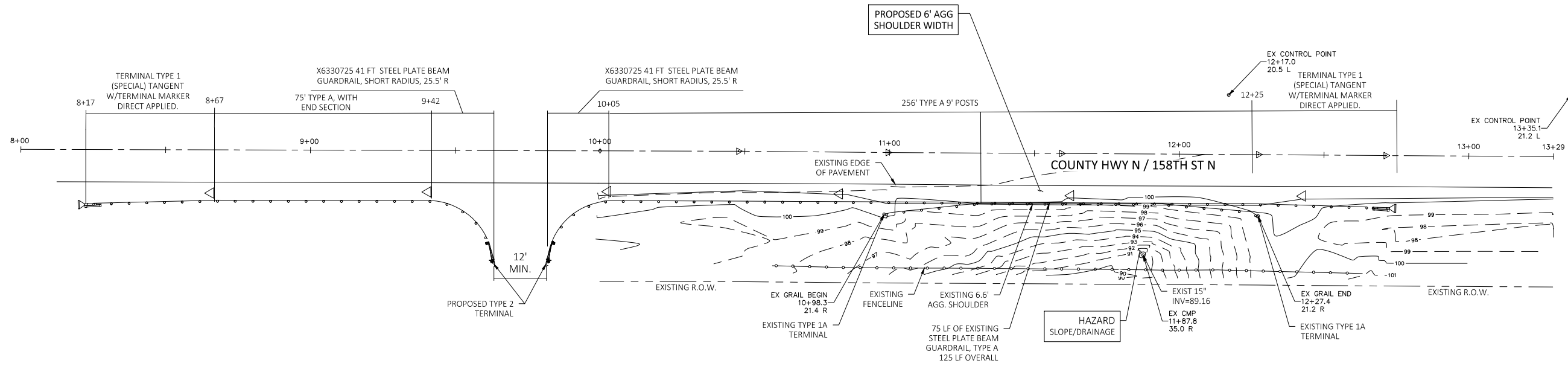


LOCATION NO. G-4.64
 ADT 600
 DESIGN SPEED 55 MPH
 MAJOR COLLECTOR
 MIN. GUARDRAIL OFFSET EOP = 6 FT



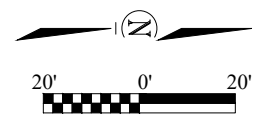
LEGEND	
	EXISTING GUARDRAIL
	EXISTING STORM SEWER
	EXISTING SANITARY SEWER
	EXISTING WATER LINE
	EXISTING FIRE HYDRANT
	EXISTING CURB & GUTTER
	EXISTING SIDEWALK
	EXISTING CONTOUR
	EXISTING MANHOLE
	EXISTING LIGHT POLE
	PIN FOUND
	GUARDRAIL REFLECTOR, TYPE A

PROJECT NO.	7256
FIELD BOOK NO.	
START DATE	
DRAWN BY	MW/T/RF
CHECKED BY	BTR
C&A REF. NO.	
P&C REF. NO.	
FILE LOCATION	
DECATUR	(217) 422-8544
SCHAUMBURG	(773) 744-0050
ROCKFORD	(815) 489-0050
CONSULTING ENGINEERS	184-001397
CHASTAIN & ASSOCIATES LLC	
CONSULTING ENGINEERS	
022 RICO-G-4.64	
ROCK ISLAND COUNTY	
GUARDRAIL IMPROVEMENTS	
ROCK ISLAND COUNTY, IL	
sheet no.	022
project no.	7266



LOCATION_ID	N-1.00		
PAY ITEM #	PAY ITEM	UNITS	QTY
X2501000	SEEDING, CLASS 2A (SPECIAL)	Acre	0.12
20200100	EARTH EXCAVATION	CU YD	0
20400800	FURNISHED EXCAVATION	CU YD	52
35101400	AGGREGATE BASE COURSE, TYPE B	TON	0
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	0
48203100	HOT MIX ASPHALT SHOULDERS	TON	0
48101200	AGGREGATE SHOULDERS, TYPE B	TON	74.10
63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	LF	331
63000350	LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	LF	0
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	Each	2
63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	Each	0
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	Each	2
63200310	GUARDRAIL REMOVAL	LF	125
X6330725	STL PLT BEAM GUARDRAIL (SHORT RADIUS)	LF	40
72501000	TERMINAL MARKER - DIRECT APPLIED	Each	2
78200005	GUARDRAIL REFLECTORS, TYPE A	Each	6

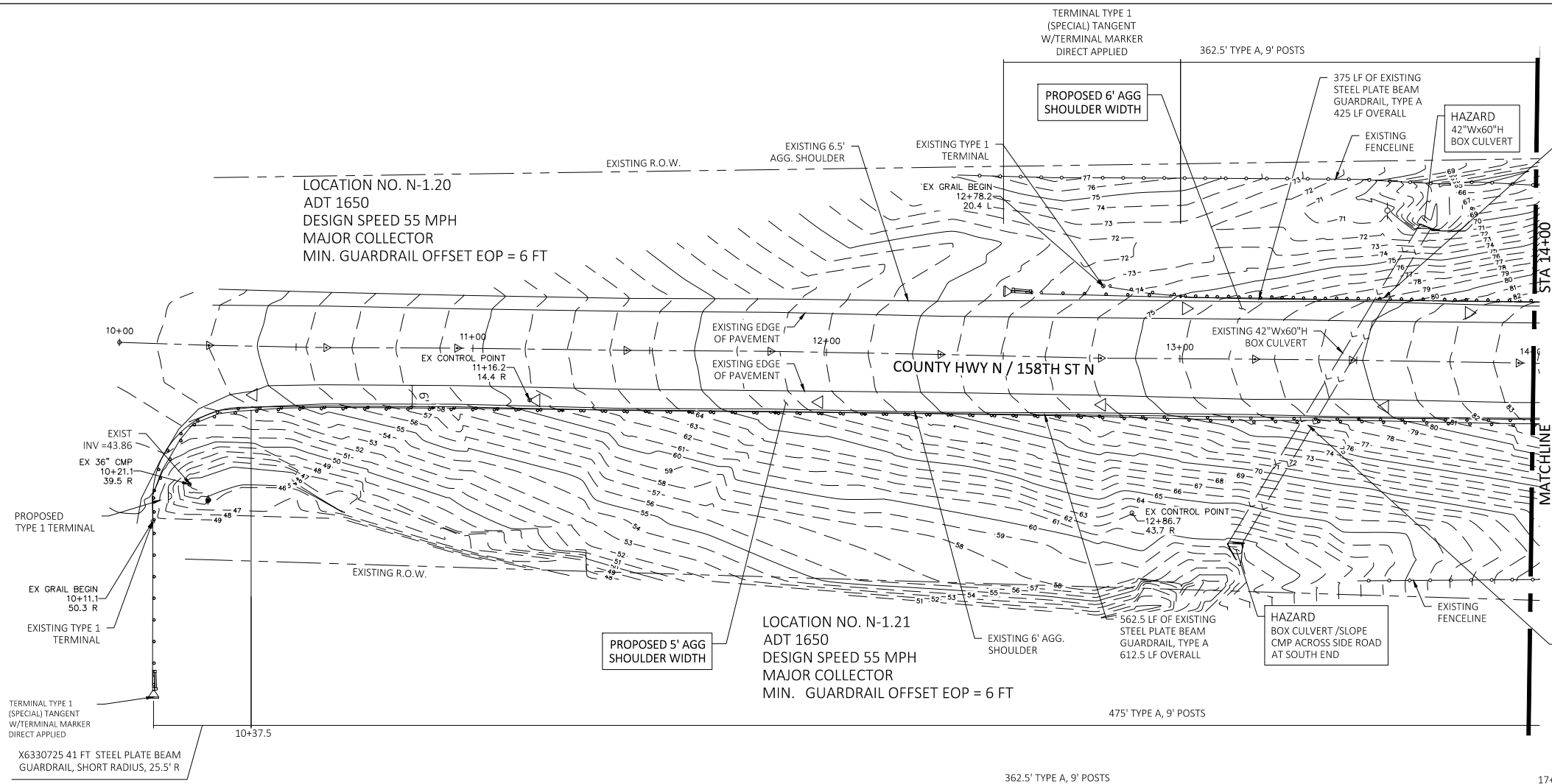
LOCATION NO. N-1.00
 ADT 1650
 DESIGN SPEED 55 MPH
 MAJOR COLLECTOR
 MIN. GUARDRAIL OFFSET EOP = 6 FT



LEGEND

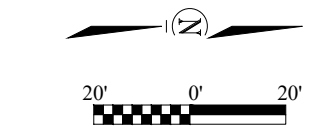
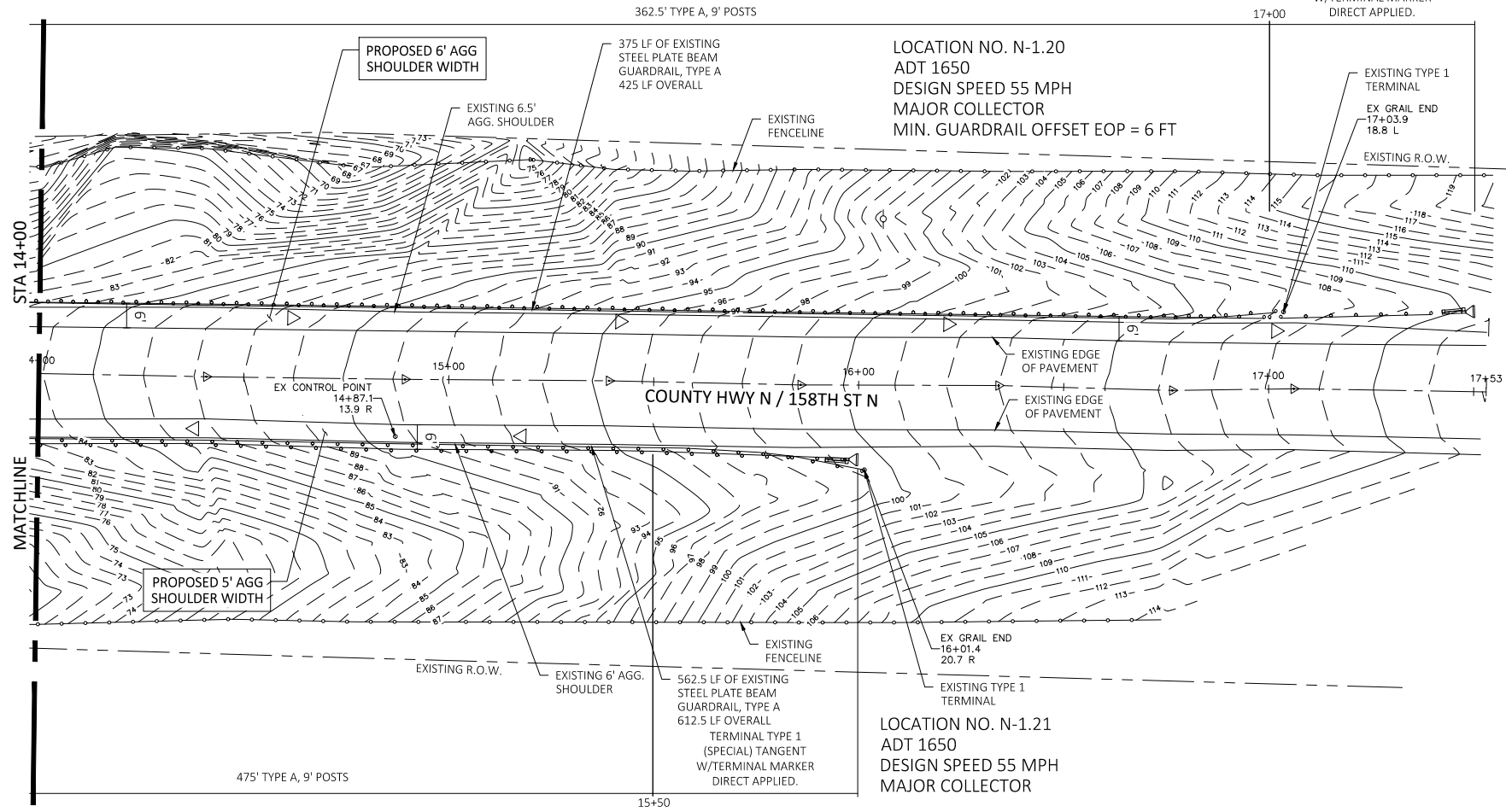
	EXISTING GUARDRAIL
	EXISTING STORM SEWER
	EXISTING SANITARY SEWER
	EXISTING WATER LINE
	EXISTING FIRE HYDRANT
	EXISTING CURB & GUTTER
	EXISTING SIDEWALK
	EXISTING CONTOUR
	EXISTING MANHOLE
	EXISTING LIGHT POLE
	PIN FOUND
	GUARDRAIL REFLECTOR, TYPE A

PROJECT NO. 7256	FIELD BOOK NO.	START DATE	DRAWN BY	CHECKED BY	C&A REF. NO.	P&C REF. NO.	FILE LOCATION
DECATUR (217) 422-8544 SCHAUMBURG (773) 714-0050 ROCKFORD (815) 469-0050 184-001397 CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS							
RICO-N-1.00 ROCK ISLAND COUNTY GUARDRAIL IMPROVEMENTS ROCK ISLAND COUNTY, IL							
sheet no. 023							
project no. 7266							



LOCATION_ID	N-1.20		UNITS	QTY
X2501000	SEEDING, CLASS 2A (SPECIAL)	Acre	0.12	
20200100	EARTH EXCAVATION	CU YD	0	
20400800	FURNISHED EXCAVATION	CU YD	52	
35101400	AGGREGATE BASE COURSE, TYPE B	TON	0	
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	0	
48203100	HOT MIX ASPHALT SHOULDERS	TON	0	
48101200	AGGREGATE SHOULDERS, TYPE B	TON	71.10	
63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	LF	362.5	
63000350	LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	LF	37.5	
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	Each	2	
63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	Each	0	
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	Each	0	
63200310	GUARDRAIL REMOVAL	LF	425	
X6330725	STL PLT BEAM GUARDRAIL (SHORT RADIUS)	LF	0	
72501000	TERMINAL MARKER - DIRECT APPLIED	Each	2	
78200005	GUARDRAIL REFLECTORS, TYPE A	Each	6	

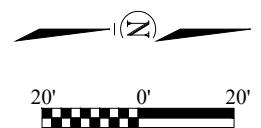
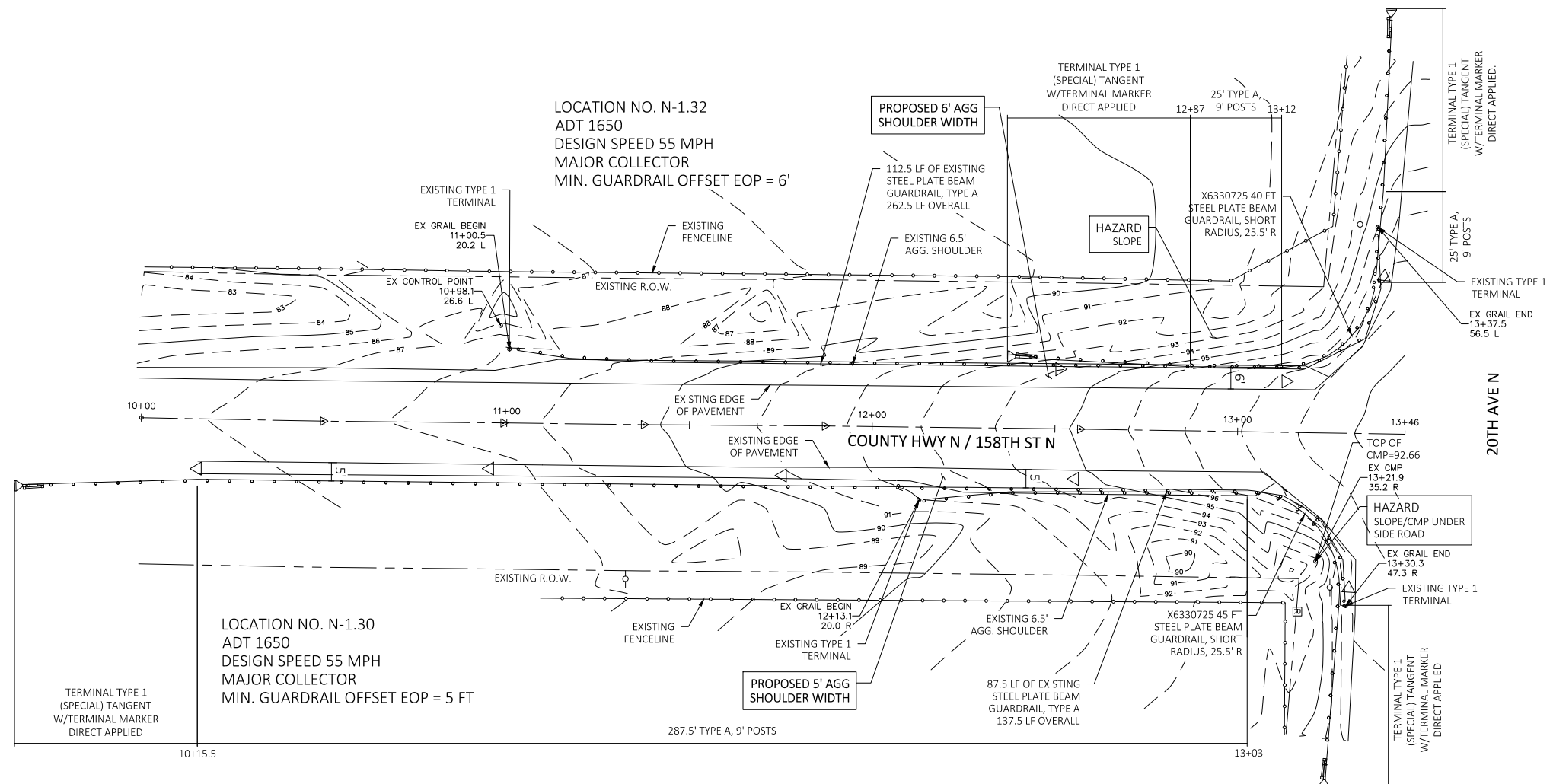
LOCATION_ID	N-1.21		UNITS	QTY
X2501000	SEEDING, CLASS 2A (SPECIAL)	Acre	0.16	
20200100	EARTH EXCAVATION	CU YD	0	
20400800	FURNISHED EXCAVATION	CU YD	52	
35101400	AGGREGATE BASE COURSE, TYPE B	TON	0	
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	0	
48203100	HOT MIX ASPHALT SHOULDERS	TON	0	
48101200	AGGREGATE SHOULDERS, TYPE B	TON	92.80	
63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	LF	475	
63000350	LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	LF	37.5	
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	Each	2	
63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	Each	0	
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	Each	0	
63200310	GUARDRAIL REMOVAL	LF	612.5	
X6330725	STL PLT BEAM GUARDRAIL (SHORT RADIUS)	LF	41	
72501000	TERMINAL MARKER - DIRECT APPLIED	Each	2	
78200005	GUARDRAIL REFLECTORS, TYPE A	Each	7	



LEGEND

	EXISTING GUARDRAIL
	EXISTING STORM SEWER
	EXISTING SANITARY SEWER
	EXISTING WATER LINE
	EXISTING FIRE HYDRANT
	EXISTING CURB & GUTTER
	EXISTING SIDEWALK
	EXISTING CONTOUR
	EXISTING MANHOLE
	EXISTING LIGHT POLE
	PIN FOUND
	GUARDRAIL REFLECTOR, TYPE A

PROJECT NO.	7256
FIELD BOOK NO.	
START DATE	
DRAWN BY	MMW/TRF
CHECKED BY	BTR
CS&A REF. NO.	
P&W REF. NO.	
FILE LOCATION	
REVISION/ISSUED	
BY	DATE
DECATUR SCHAUMBURG & ASSOCIATES LLC CONSULTING ENGINEERS (217) 422-8544 (773) 744-0050 (615) 469-0050 184-001397	
RICO-N-1.20 & N-1.21 ROCK ISLAND COUNTY GUARDRAIL IMPROVEMENTS ROCK ISLAND COUNTY, IL	
sheet no.	024
project no.	7266



LOCATION_ID	N-1.30		UNITS	QTY
X2501000	SEEDING, CLASS 2A (SPECIAL)	Acre	0.05	
20200100	EARTH EXCAVATION	CU YD	0	
20400800	FURNISHED EXCAVATION	CU YD	52	
35101400	AGGREGATE BASE COURSE, TYPE B	TON	0	
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	0	
48203100	HOT MIX ASPHALT SHOULDERS	TON	0	
48101200	AGGREGATE SHOULDERS, TYPE B	TON	28.00	
63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	LF	50	
63000350	LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	LF	0	
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	Each	2	
63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	Each	0	
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	Each	0	
63200310	GUARDRAIL REMOVAL	LF	112.5	
X6330725	STL PLT BEAM GUARDRAIL (SHORT RADIUS)	LF	45	
72501000	TERMINAL MARKER - DIRECT APPLIED	Each	2	
78200005	GUARDRAIL REFLECTORS, TYPE A	Each	1	

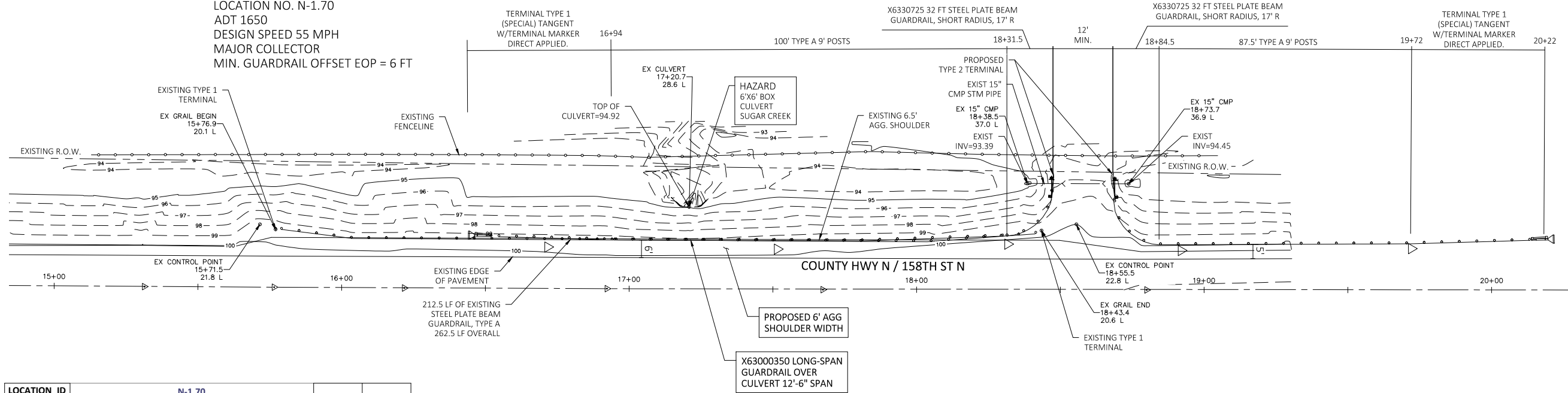
LOCATION_ID	N-1.32		UNITS	QTY
X2501000	SEEDING, CLASS 2A (SPECIAL)	Acre	0.1	
20200100	EARTH EXCAVATION	CU YD	0	
20400800	FURNISHED EXCAVATION	CU YD	52	
35101400	AGGREGATE BASE COURSE, TYPE B	TON	0	
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	0	
48203100	HOT MIX ASPHALT SHOULDERS	TON	0	
48101200	AGGREGATE SHOULDERS, TYPE B	TON	60.90	
63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	LF	287.5	
63000350	LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	LF	0	
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	Each	2	
63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	Each	0	
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	Each	0	
63200310	GUARDRAIL REMOVAL	LF	137.5	
X6330725	STL PLT BEAM GUARDRAIL (SHORT RADIUS)	LF	40	
72501000	TERMINAL MARKER - DIRECT APPLIED	Each	2	
78200005	GUARDRAIL REFLECTORS, TYPE A	Each	4	

LEGEND

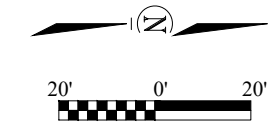
	EXISTING GUARDRAIL
	EXISTING STORM SEWER
	EXISTING SANITARY SEWER
	EXISTING WATER LINE
	EXISTING FIRE HYDRANT
	EXISTING CURB & GUTTER
	EXISTING SIDEWALK
	EXISTING CONTOUR
	EXISTING MANHOLE
	EXISTING LIGHT POLE
	PIN FOUND
	GUARDRAIL REFLECTOR, TYPE A

PROJECT NO.	7256
FIELD BOOK NO.	
START DATE	
DRAWN BY	MW/T/RF
CHECKED BY	BTR
CS&A REF. NO.	
P&W REF. NO.	
FILE LOCATION	
DECATUR	(217) 422-8544
SCHAUMBURG	(773) 714-0050
ROCKFORD	(815) 469-0050
	184-001397
CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS	
RICO-N-1.30 & N-1.32	
ROCK ISLAND COUNTY	
GUARDRAIL IMPROVEMENTS	
ROCK ISLAND COUNTY, IL	
sheet no.	025
project no.	7266

LOCATION NO. N-1.70
 ADT 1650
 DESIGN SPEED 55 MPH
 MAJOR COLLECTOR
 MIN. GUARDRAIL OFFSET EOP = 6 FT



LOCATION_ID	N-1.70		UNITS	QTY
PAY ITEM #	PAY ITEM			
X2501000	SEEDING, CLASS 2A (SPECIAL)	Acre	0.09	
20200100	EARTH EXCAVATION	CU YD	0	
20400800	FURNISHED EXCAVATION	CU YD	26	
35101400	AGGREGATE BASE COURSE, TYPE B	TON	0	
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	0	
48203100	HOT MIX ASPHALT SHOULDERS	TON	0	
48101200	AGGREGATE SHOULDERS, TYPE B	TON	49.40	
63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	LF	175	
63000350	LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	LF	37.5	
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	Each	1	
63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	Each	0	
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	Each	2	
63200310	GUARDRAIL REMOVAL	LF	262.5	
X6330725	STL PLT BEAM GUARDRAIL (SHORT RADIUS)	LF	36	
72501000	TERMINAL MARKER - DIRECT APPLIED	Each	1	
78200005	GUARDRAIL REFLECTORS, TYPE A	Each	2	



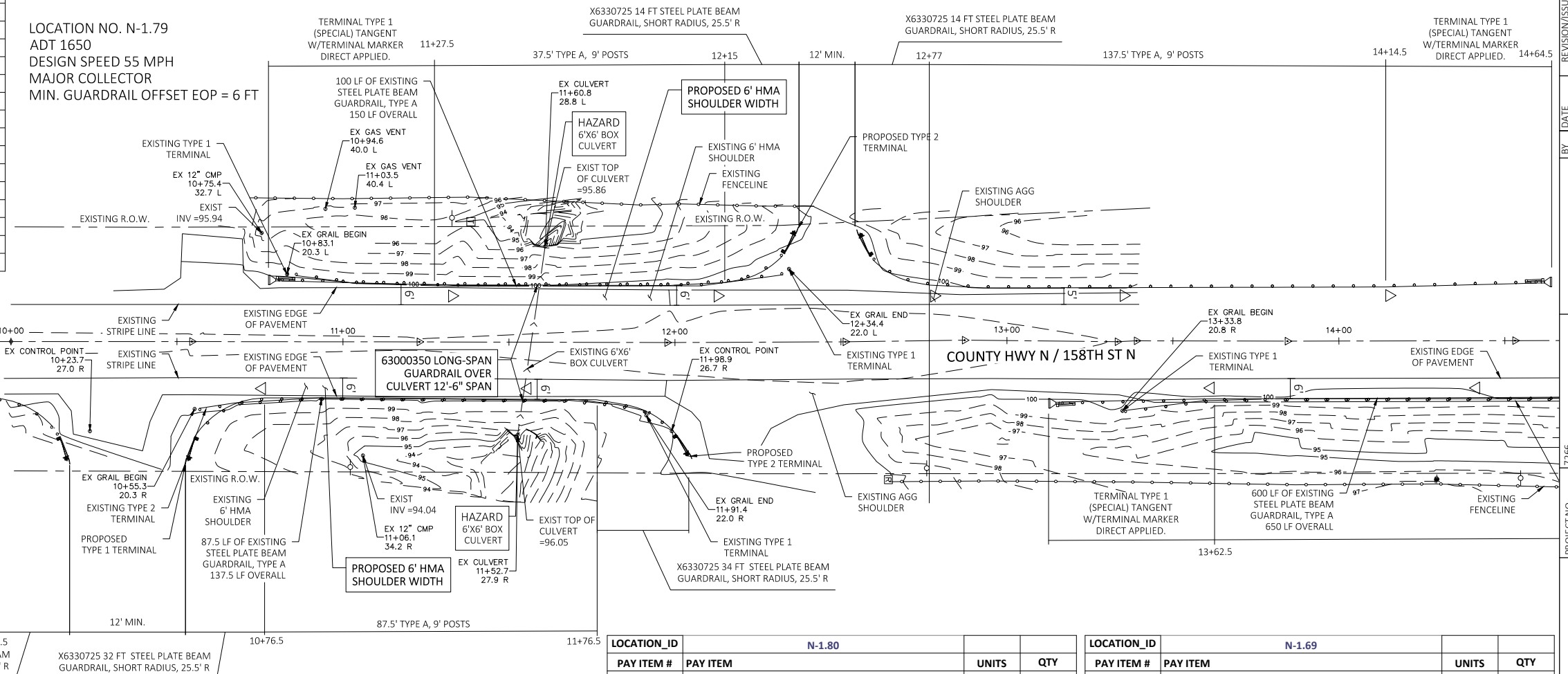
LEGEND

	EXISTING GUARDRAIL
	EXISTING STORM SEWER
	EXISTING SANITARY SEWER
	EXISTING WATER LINE
	EXISTING FIRE HYDRANT
	EXISTING CURB & GUTTER
	EXISTING SIDEWALK
	EXISTING CONTOUR
	EXISTING MANHOLE
	EXISTING LIGHT POLE
	PIN FOUND
	GUARDRAIL REFLECTOR, TYPE A

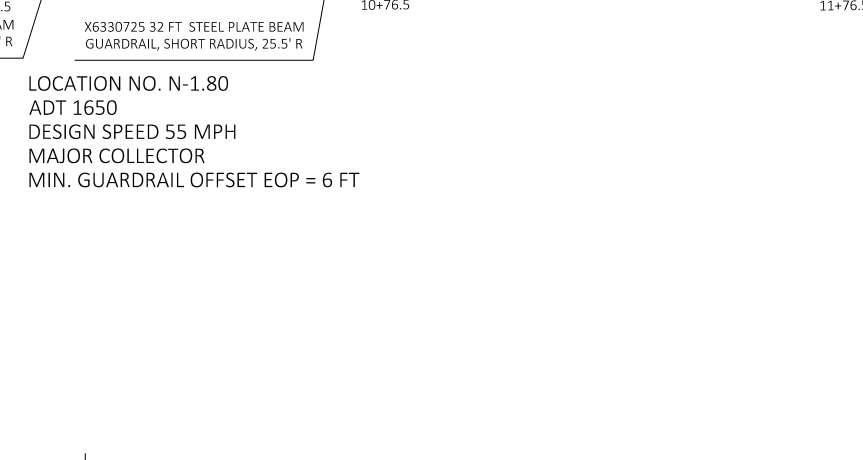
PROJECT NO.	7256
FIELD BOOK NO.	
START DATE	
DRAWN BY	MMW/TRF
CHECKED BY	BTR
CSA REF. NO.	
PWC REF. NO.	
FILE LOCATION	
DECATUR	(217) 422-8544
SCHAUMBURG	(773) 714-0050
ROCKFORD	(815) 489-0050
	184-001397
CHASTAIN & ASSOCIATES LLC	
CONSULTING ENGINEERS	
RICO-N-1.70	
ROCK ISLAND COUNTY	
GUARDRAIL IMPROVEMENTS	
ROCK ISLAND COUNTY, IL	
sheet no.	026
project no.	7266

LOCATION_ID	N-1.79		UNITS	QTY
X2501000	PAY ITEM #	PAY ITEM		
20200100		SEEDING, CLASS 2A (SPECIAL)	Acre	0.1
20200100		EARTH EXCAVATION	CU YD	0
20400800		FURNISHED EXCAVATION	CU YD	52
35101400		AGGREGATE BASE COURSE, TYPE B	TON	0
44000161		HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	295.5
48203100		HOT MIX ASPHALT SHOULDERS	TON	51
48101200		AGGREGATE SHOULDERS, TYPE B	TON	16.80
63000003		STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	LF	187.5
63000350		LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	LF	37.5
63100167		TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	Each	2
63100075		TRAFFIC BARRIER TERMINAL, TYPE 5A	Each	0
63100045		TRAFFIC BARRIER TERMINAL, TYPE 2	Each	2
63200310		GUARDRAIL REMOVAL	LF	150
X6330725		STL PLT BEAM GUARDRAIL (SHORT RADIUS)	LF	28
72501000		TERMINAL MARKER - DIRECT APPLIED	Each	2
78200005		GUARDRAIL REFLECTORS, TYPE A	Each	5

LOCATION NO. N-1.79
ADT 1650
DESIGN SPEED 55 MPH
MAJOR COLLECTOR
MIN. GUARDRAIL OFFSET EOP = 6 FT

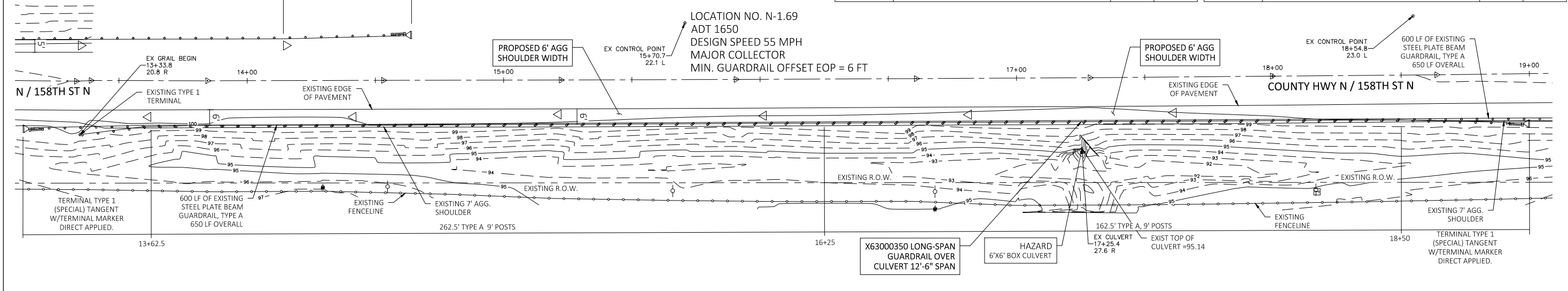


LOCATION NO. N-1.80
ADT 1650
DESIGN SPEED 55 MPH
MAJOR COLLECTOR
MIN. GUARDRAIL OFFSET EOP = 6 FT



LOCATION_ID	N-1.80		UNITS	QTY
X2501000	PAY ITEM #	PAY ITEM		
20200100		SEEDING, CLASS 2A (SPECIAL)	Acre	0.1
20200100		EARTH EXCAVATION	CU YD	0
20400800		FURNISHED EXCAVATION	CU YD	26
35101400		AGGREGATE BASE COURSE, TYPE B	TON	0
44000161		HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	295.2
48203100		HOT MIX ASPHALT SHOULDERS	TON	50.9
48101200		AGGREGATE SHOULDERS, TYPE B	TON	16.50
63000003		STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	LF	150
63000350		LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	LF	37.5
63100167		TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	Each	1
63100075		TRAFFIC BARRIER TERMINAL, TYPE 5A	Each	0
63100045		TRAFFIC BARRIER TERMINAL, TYPE 2	Each	3
63200310		GUARDRAIL REMOVAL	LF	137.5
X6330725		STL PLT BEAM GUARDRAIL (SHORT RADIUS)	LF	90
72501000		TERMINAL MARKER - DIRECT APPLIED	Each	1
78200005		GUARDRAIL REFLECTORS, TYPE A	Each	4

LOCATION_ID	N-1.69		UNITS	QTY
X2501000	PAY ITEM #	PAY ITEM		
20200100		SEEDING, CLASS 2A (SPECIAL)	Acre	0.13
20200100		EARTH EXCAVATION	CU YD	0
20400800		FURNISHED EXCAVATION	CU YD	52
35101400		AGGREGATE BASE COURSE, TYPE B	TON	0
44000161		HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	0
48203100		HOT MIX ASPHALT SHOULDERS	TON	0
48101200		AGGREGATE SHOULDERS, TYPE B	TON	91.30
63000003		STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	LF	425
63000350		LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	LF	37.5
63100167		TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	Each	2
63100075		TRAFFIC BARRIER TERMINAL, TYPE 5A	Each	0
63100045		TRAFFIC BARRIER TERMINAL, TYPE 2	Each	0
63200310		GUARDRAIL REMOVAL	LF	650
X6330725		STL PLT BEAM GUARDRAIL (SHORT RADIUS)	LF	0
72501000		TERMINAL MARKER - DIRECT APPLIED	Each	2
78200005		GUARDRAIL REFLECTORS, TYPE A	Each	6



REVISION/ISSUED

BY DATE

PROJECT NO. 7296

FIELD BOOK NO.

START DATE

DRAWN BY MMW/TRF

CHECKED BY BTR

CSA REF. NO.

PAVC REF. NO.

FILE LOCATION

(217) 422-8544
DECATUR
SCHAMBERG
(773) 744-0050
ROCKFORD
(815) 469-0050
184-001397

CHASTAIN & ASSOCIATES LLC
CONSULTING ENGINEERS

RICO-N-1.69_N-1.79_N-1.80

ROCK ISLAND COUNTY
GUARDRAIL IMPROVEMENTS

ROCK ISLAND COUNTY, IL

sheet no. 027

project no. 7266