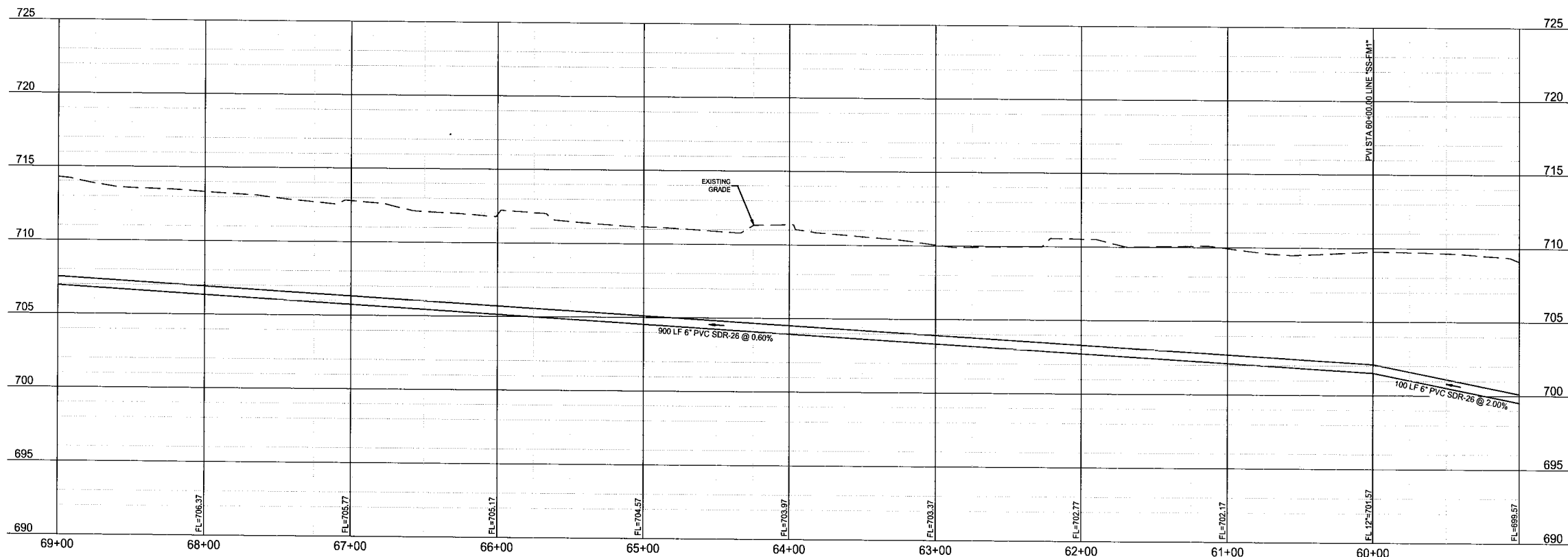


LINE TABLE		
LINE	LENGTH	BEARING
L3	1865.60'	S00° 39' 59"E

SS-FM1



NOTE: THE CONTRACTOR SHALL CONTACT THE FOLLOWING AT LEAST 48 HOURS PRIOR TO EXCAVATING IN THIS AREA:

TEXAS 811	1-800-344-8377
ATMOS GAS	972-881-4161
TXU ELECTRIC DELIVERY	1-800-711-9112
WESTON WATER SUPPLY	972-382-2245
NORTH COLLIN SUD	972-837-2331

CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITIES VERTICALLY AND HORIZONTALLY PRIOR TO CONSTRUCTION.



LEGEND

- PROPOSED SANITARY SEWER LINE
- PROPOSED SANITARY SEWER SERVICE
- PROPOSED PLUG
- EXISTING SANITARY SEWER LINE
- PROPOSED WATER LINE
- EXISTING WATER LINE
- PROPOSED STORM DRAIN

NOTES:

- ALL MANHOLES GREATER THAN 12 FEET DEEP SHALL BE A MINIMUM OF 5 FEET (60 INCHES) IN DIAMETER AND SHALL HAVE AN EXTERIOR DROP CONNECTION.
- ALL SEWER MAINS SHALL BE CONSTRUCTED UTILIZING SDR-26 PIPE.
- CONTRACTOR SHALL PRESSURE RATE THE SANITARY SEWER PIPE AT ALL CROSSINGS BETWEEN THE WATERLINE AND THE SANITARY SEWER PIPE IN ACCORDANCE WITH TCEQ REGULATIONS.
- SEPARATION BETWEEN WATERLINE AND SANITARY SEWER CROSSINGS SHALL CONFORM TO TCEQ'S CHAPTER 290.44(e), AND CHAPTER 317.13 APPENDIX E.
- SERVICES THAT CONNECT INTO AN SDR26 MAINLINE WILL BE CONSIDERED DEEP SEWER SERVICES.
- SEWER MANHOLES IN THE FLOODPLAIN ARE REQUIRED TO HAVE SEALED LIDS THAT CONFORM TO THE CITY STANDARDS. EVERY THIRD MANHOLE WITHIN THE SHALL BE VENTED IN ACCORDANCE WITH TCEQ REGULATIONS.
- CLASS "H" EMBEDEDMENT.
- FOR UTILITY AND OTHER TRENCHES (PUBLIC AND PRIVATE) UNDER PAVEMENT, BACKFILL SHALL BE TESTED AT 100-FOOT SPACING IN EACH LIFT. FOR MANHOLES AND JUNCTION BOXES THE SPIRAL TESTING METHOD SHALL BE UTILIZED; HOWEVER, TWO TESTS PER LIFT 180 DEGREES APART WILL BE TAKEN.

BENCHMARKS

BM #1 - "X" CUT ON HEADWALL ON THE EAST SIDE OF FM 543. APPROX. 62' SOUTH OF THE CENTERLINE OF RIGSBY LANE. ELEVATION = 745.85'

BM #2 - "X" CUT ON HEADWALL ON THE WEST SIDE OF FM 543. APPROXIMATELY 2.546' NORTH OF THE CENTERLINE OF CR 206. ELEVATION = 733.37'

BM #3 - "X" CUT ON HEADWALL AT THE SOUTHEAST CORNER OF THE INTERSECTION OF FM 543 AND CR 206. ELEVATION = 717.56'

PRELIMINARY -FOR REVIEW ONLY-

THESE DOCUMENTS ARE FOR DESIGN REVIEW ONLY AND ARE NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSE. THEY ARE PREPARED BY, OR UNDER THE SUPERVISION OF:

JAY W. REISSIG 94971 12/18/2020
TYPE OR PRINT NAME PE # DATE

NO.	DATE	REVISION

VENETIAN AT WESTON OFFSITE
SEWER PLAN & PROFILE - SS-FM1
(59+00-69+00)

WESTON, COLLIN COUNTY, TEXAS



TEXAS REGISTRATION ENGINEERING FIRM NO. 12207
11000 FRISCO STREET, SUITE 400, FRISCO, TEXAS 75033
FRISCO OFFICE PHONE: (469) 213-1800

DRAWN: MCM	DATE	PROJECT #	SHEET
DESIGNED: MCM	DECEMBER 2020	LEN20001	2.13
REVIEWER: JWR			

Legend:

- PROPOSED SANITARY SEWER LINE
- PROPOSED SANITARY SEWER SERVICE
- PROPOSED PLUG
- EXISTING SANITARY SEWER LINE
- PROPOSED WATER LINE
- EXISTING WATER LINE
- PROPOSED STORM DRAIN

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5. SERVICES THAT CONNECT INTO AN SDR26 MAINLINE WILL BE CONSIDERED TO BE PART OF THE SANITARY SEWER.
6. SEWER MANHOLES IN THE FLOODPLAIN ARE REQUIRED TO HAVE SEALED LIDS THAT CONFORM TO THE CITY STANDARDS. EVERY THIRD MANHOLE WITHIN THE SHALL BE VENTED IN ACCORDANCE WITH TCEQ REGULATIONS.
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SS-FM1

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APPROX. 62' SOUTH OF THE
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THE WEST SIDE OF FM 543,
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BM #3- "X" CUT ON HEADWALL AT
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206
ELEVATION = 717.56'

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SUPERVISION OF:

JAY W. REISSIG	94971	12/16/2
----------------	-------	---------

NO.	DATE	REVISION

VENETIAN AT WESTON OFFSITE

SEWER PLAN & PROFILE - SS-FM1
(49+00-59+00)

WESTON, COLLIN COUNTY, TEXAS



TEXAS REGISTRATION ENGINEERING FIRM NO. 12207
11000 FRISCO STREET, SUITE 400, FRISCO, TEXAS 75033
EMICO OFFICE PHONE: (409) 313-1800

DRAWN: MCM	DATE	PROJECT #	SHEET
DESIGNED: MCM	DECEMBER	LEN20001	2.14
REVIEWER: JWR	2020		


FIRST SUBMITTAL

VENETIAN AT WESTON OFFSITE UTILITIES

NOTE: THE CONTRACTOR SHALL CONTACT THE FOLLOWING AT LEAST 48 HOURS PRIOR TO EXCAVATING IN THIS AREA:

TEXAS 811	1-800-344-8377
ATMOS GAS	972-881-4161
TXU ELECTRIC DELIVERY	1-800-711-9112
WESTON WATER SUPPLY	972-382-2245
NORTH COLLIN SUD	972-837-2331

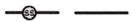

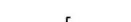

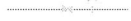


CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITIES VERTICALLY AND HORIZONTALLY PRIOR TO CONSTRUCTION.



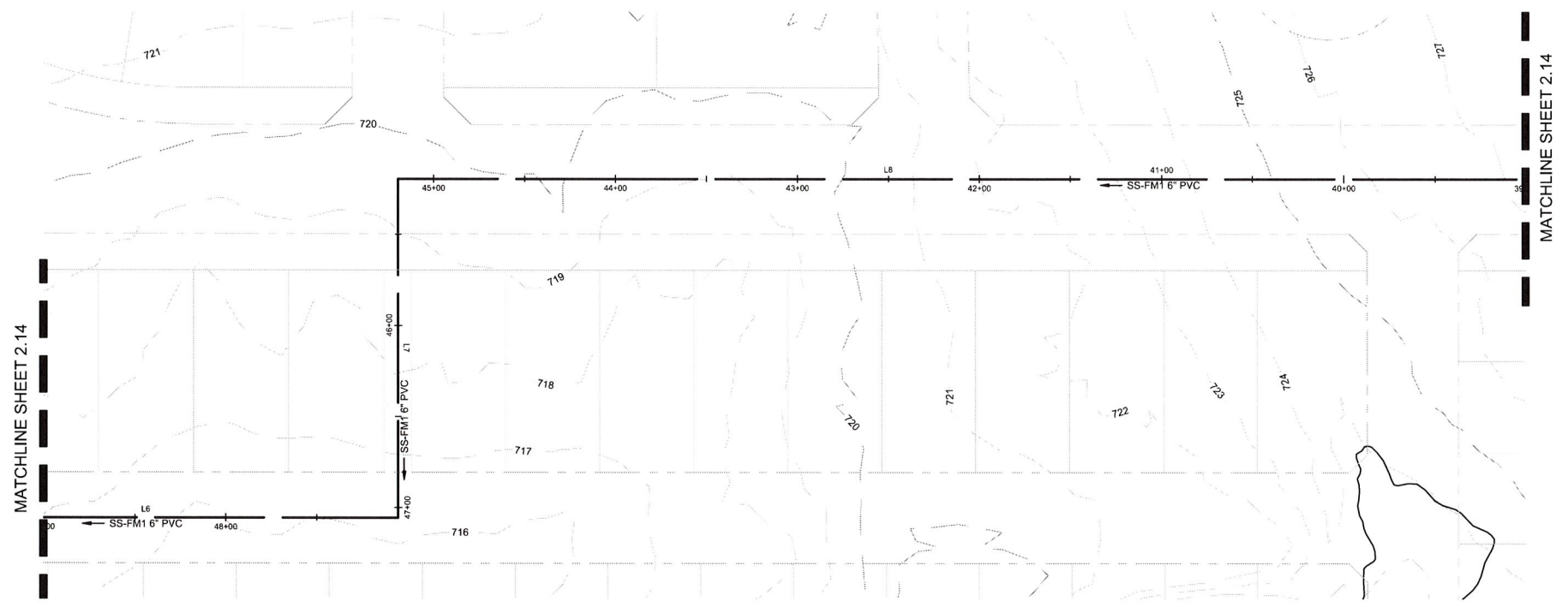
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SCALE: 1" = 60'

LEGEND

	PROPOSED SANITARY SEWER LINE
	PROPOSED SANITARY SEWER SERVICE
	PROPOSED PLUG
	EXISTING SANITARY SEWER LINE
	PROPOSED WATER LINE
	EXISTING WATER LINE
	PROPOSED STORM DRAIN

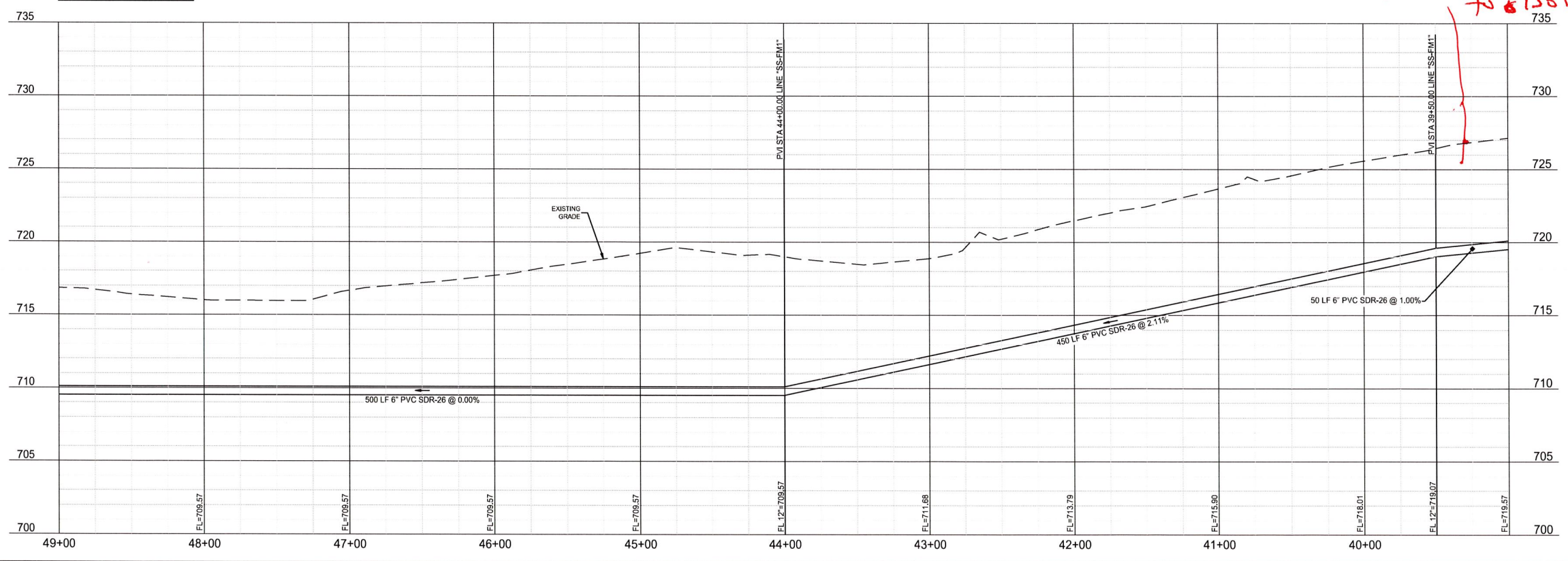
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LINE TABLE		
LINE	LENGTH	BEARING
L6	276.79'	S89° 07' 43\"W
L7	186.00'	S00° 52' 17\"E
L8	1374.93'	S89° 07' 43\"W

SS-FM1

plug valve to isolate sections ??



BENCHMARKS

BM #1 - "X" CUT ON HEADWALL ON THE EAST SIDE OF FM 543, APPROX. 62' SOUTH OF THE CENTERLINE OF RIGSBY LANE. ELEVATION = 745.85'

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PRELIMINARY - FOR REVIEW ONLY

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JAY W. REISSIG	94971	12/16/2020
TYPE OR PRINT NAME	PE #	DATE

NO.	DATE	REVISION

VENETIAN AT WESTON OFFSITE

SEWER PLAN & PROFILE - SS-FM1 (39+00-49+00)

WESTON, COLLIN COUNTY, TEXAS

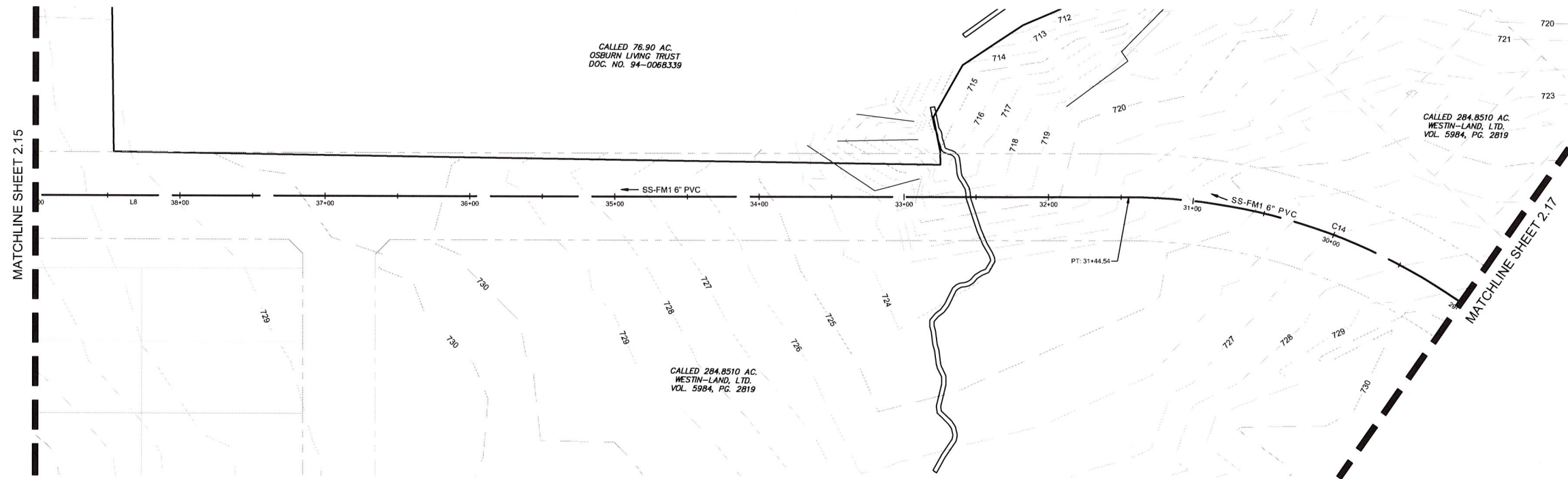


PELOTON
LAND SOLUTIONS

TEXAS REGISTRATION ENGINEERING FIRM NO. 12207
11000 FRISCO STREET, SUITE 400, FRISCO, TEXAS 75033
FRISCO OFFICE PHONE: (469) 213-1800

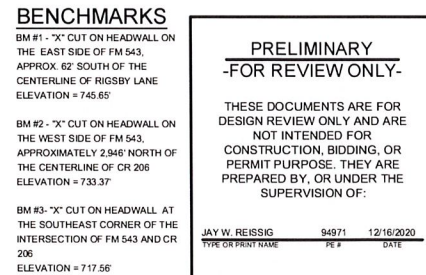
DRAWN: MCM	DATE: DECEMBER 2020	PROJECT #: LEN20001	SHEET: 2.15
DESIGNED: MCM	REVIEWER: JWR		

Drawn: J. L. (12/16/2020) - Peloton Land Solutions
Unit: Surveyed by: MCM
Scale: 1" = 60'
Plot Date/Time: 12/16/2020 10:47 AM

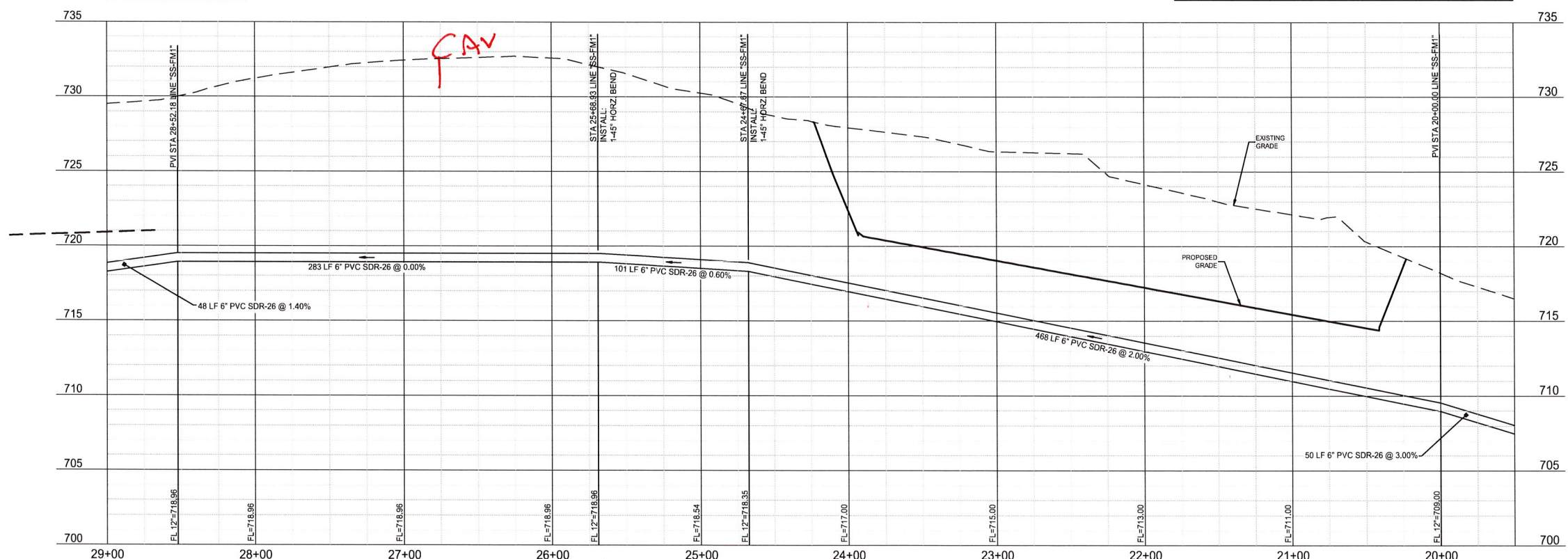



NOTES:

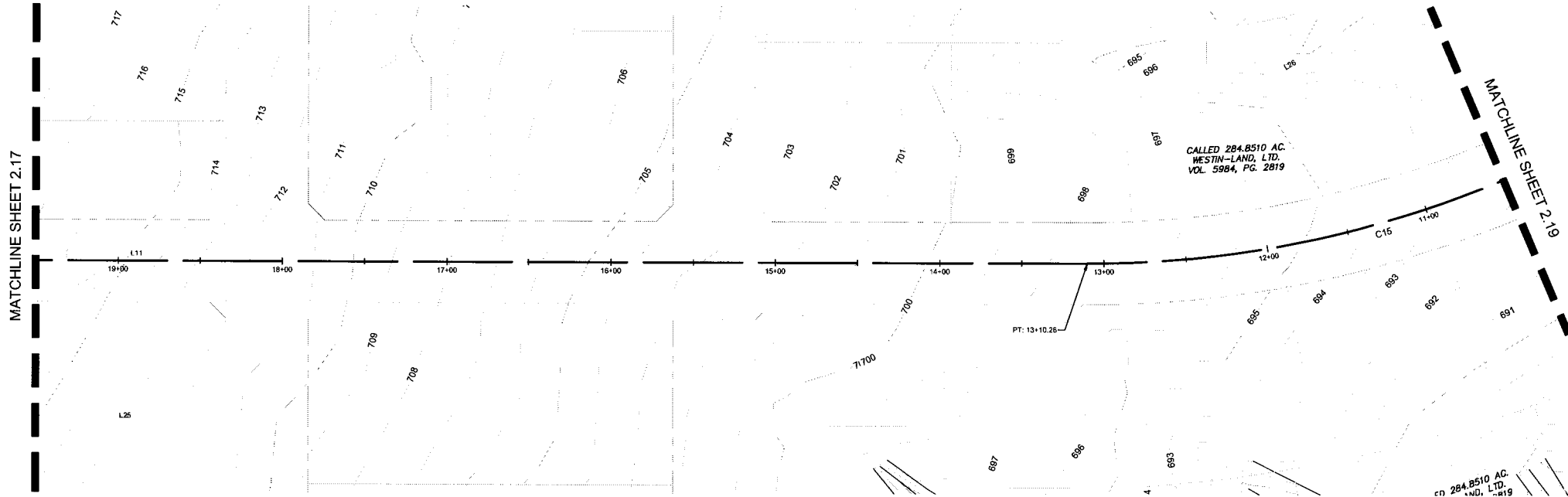
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CURVE TABLE						
CURVE	DELTA	RADIUS	TANGENT	LENGTH	CHORD	BEARING
C14	041° 52' 40"	400.00'	153.06'	292.36'	285.90'	N69° 55' 57"W

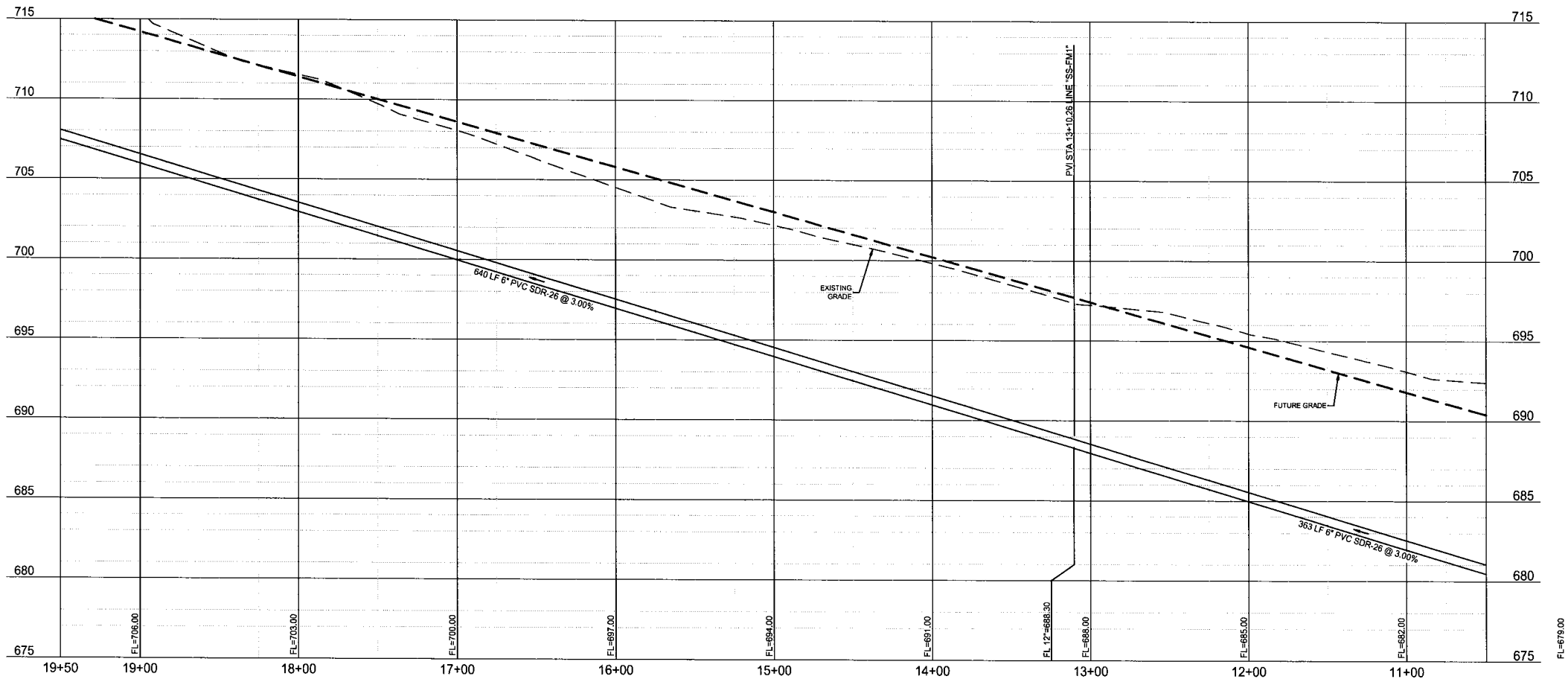


WESTON, COLLIN COUNTY, TEXAS			
		PELTON LAND SOLUTIONS	
TEXAS REGISTRATION ENGINEERING FIRM NO. 12207 11000 FRISCO STREET, SUITE 400, FRISCO, TEXAS 75033 FRISCO OFFICE PHONE: (480) 215-1800			
DRAWN: MCM	DATE	PROJECT #	SHEET
DESIGNED: MCM	DECEMBER 2020	LEN20001	2.17
REVIEWER: JWR			



LINE TABLE		
LINE	LENGTH	BEARING
L11	1157.41'	N41° 00' 23"E

CURVE TABLE					
CURVE	DELTA	RADIUS	TANGENT	LENGTH	CHORD
C15	031° 58' 22"	650.00'	186.22'	362.72'	358.03'



NOTE: THE CONTRACTOR SHALL CONTACT THE FOLLOWING AT LEAST 48 HOURS PRIOR TO EXCAVATING IN THIS AREA:

TEXAS 811	1-800-344-8377
ATMOS GAS	972-881-4161
TXU ELECTRIC DELIVERY	1-800-711-9112
WESTON WATER SUPPLY	972-382-2245
NORTH COLLIN SUD	972-837-2331

CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITIES VERTICALLY AND HORIZONTALLY PRIOR TO CONSTRUCTION.



0 60' 120'
SCALE: 1" = 60'

LEGEND

	PROPOSED SANITARY SEWER LINE
	PROPOSED SANITARY SEWER SERVICE
	PROPOSED PLUG
	EXISTING SANITARY SEWER LINE
	PROPOSED WATER LINE
	EXISTING WATER LINE
	PROPOSED STORM DRAIN

NOTES:

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BENCHMARKS

BM #1 - "X" CUT ON HEADWALL ON THE EAST SIDE OF FM 543, APPROX. 62' SOUTH OF THE CENTERLINE OF RIGSBY LANE ELEVATION = 745.85'

BM #2 - "X" CUT ON HEADWALL ON THE WEST SIDE OF FM 543, APPROXIMATELY 2.948' NORTH OF THE CENTERLINE OF CR 206 ELEVATION = 733.37'

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JAY W. REISSIG 94971 12/16/2020
TYPE OR PRINT NAME PR # DATE

NO.	DATE	REVISION

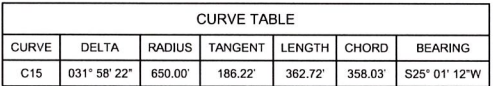
VENETIAN AT WESTON OFFSITE
SEWER PLAN & PROFILE - SS-FM1
(10+50-19+50)

WESTON, COLLIN COUNTY, TEXAS



TEXAS REGISTRATION ENGINEERING FIRM NO. 12207
15500 FRISCO STREET, SUITE 400 FRISCO, TEXAS 75033
FRISCO OFFICE PHONE: (469) 213-1806

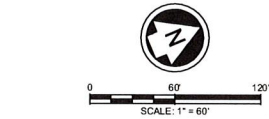
DRAWN: MCM	DATE: DECEMBER 2020	PROJECT #: LEN20001	SHEET: 2.18
DESIGNED: MCM	REVIEWER: JWR		



NOTE: THE CONTRACTOR SHALL CONTACT THE FOLLOWING AT LEAST 48 HOURS PRIOR TO EXCAVATING IN THIS AREA:

TEXAS 811	1-800-344-8377
ATMOS GAS	972-881-4161
TXU ELECTRIC DELIVERY	1-800-711-9112
WESTON WATER SUPPLY	972-382-2245
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CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITIES VERTICALLY AND HORIZONTALLY PRIOR TO CONSTRUCTION.

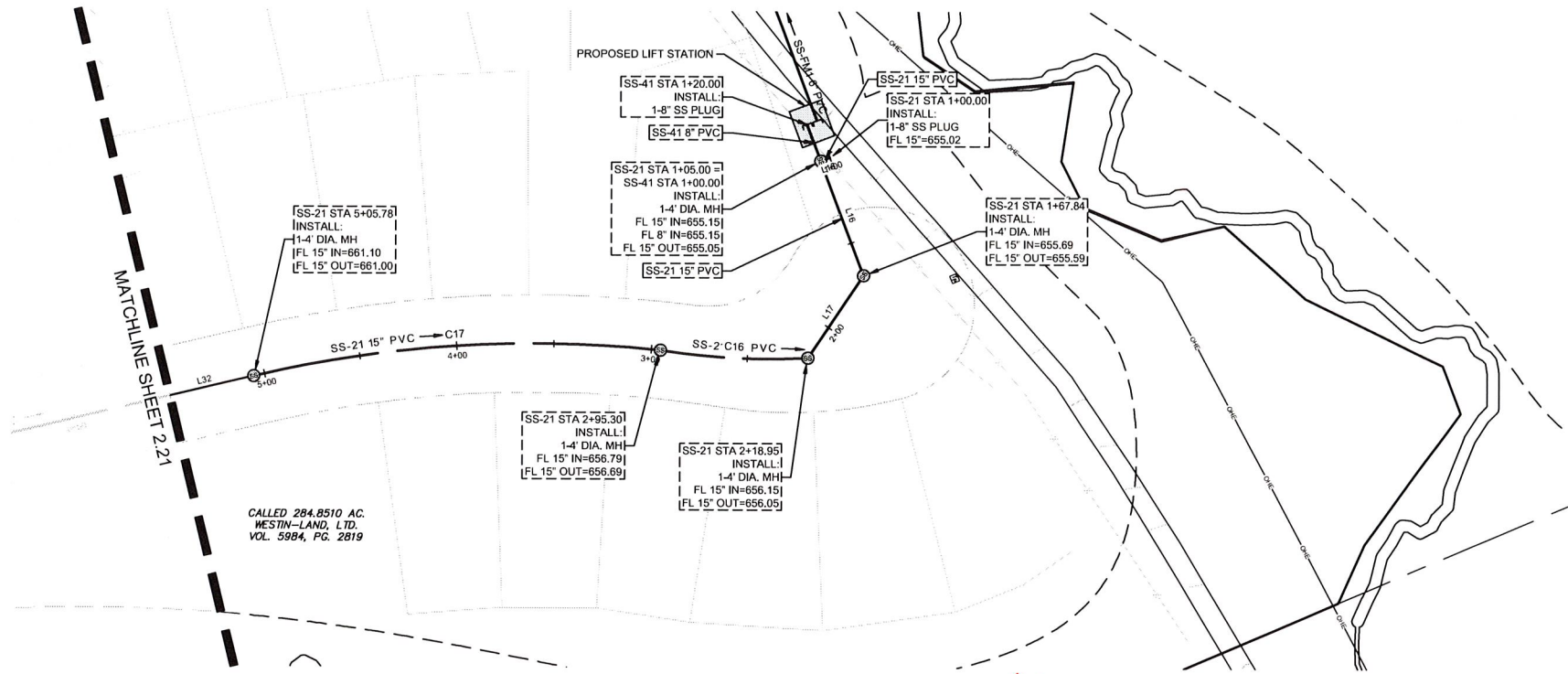


LEGEND

- PROPOSED SANITARY SEWER LINE
- PROPOSED SANITARY SEWER SERVICE
- PROPOSED PLUG
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- PROPOSED WATER LINE
- EXISTING WATER LINE
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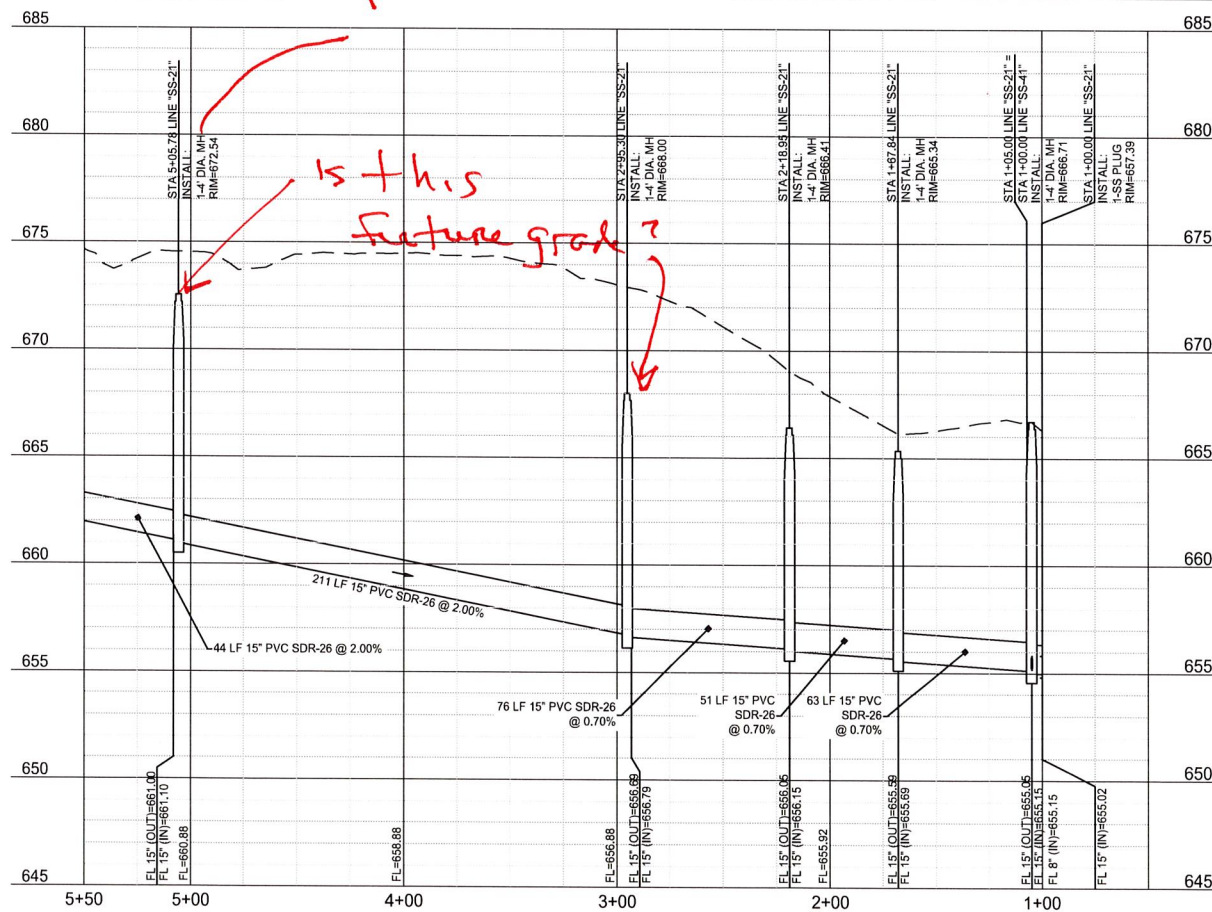


LINE TABLE		
LINE	LENGTH	BEARING
C16	76.35'	S25° 40' 11"W
C17	210.49'	S24° 36' 28"W

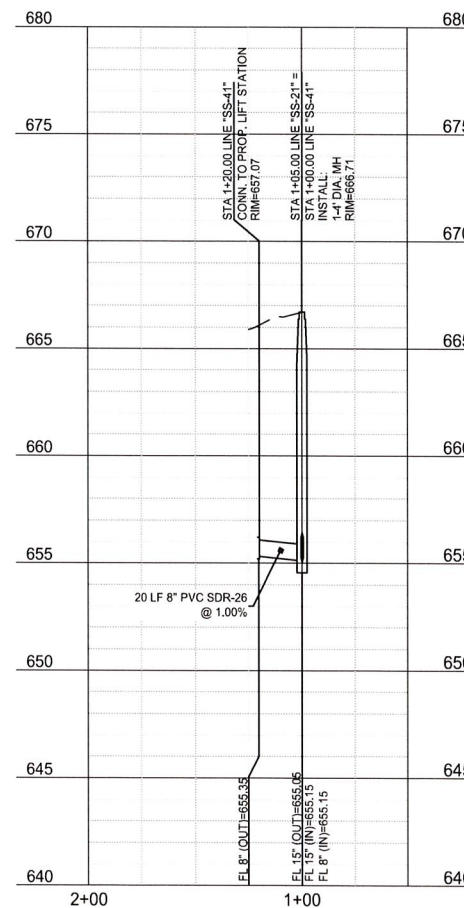
CURVE TABLE						
CURVE	DELTA	RADIUS	TANGENT	LENGTH	CHORD	BEARING
C16	012° 04' 52"	362.08'	38.32'	76.35'	76.21'	S25° 24' 32"W
C17	019° 17' 46"	625.00'	106.25'	210.49'	209.49'	S18° 40' 54"W

For 12", 15", 18" SS → min manhole dia is 4.5'

SS-21



SS-41



BENCHMARKS

BM #1 - "X" CUT ON HEADWALL ON THE EAST SIDE OF FM 543, APPROX 62' SOUTH OF THE CENTERLINE OF RIGSBY LANE ELEVATION = 745.85

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JAY W. REISSIG 94971 12/16/2020
TYPE OR PRINT NAME FE # DATE

VENETIAN AT WESTON OFFSITE

SEWER PLAN & PROFILE - SS-21 (5+50-0+00) & SS-41

WESTON, COLLIN COUNTY, TEXAS



TEXAS REGISTRATION ENGINEERING FIRM NO. 12207
11500 FRISCO STREET, SUITE 400, FRISCO, TEXAS 75033
FRISCO OFFICE PHONE: (469) 213-1800

DRAWN:	DATE:	PROJECT #	SHEET
MCM	DECEMBER 2020	LEN20001	2.20
DESIGNED:			
REVIEWER:			

NOTE: THE CONTRACTOR SHALL CONTACT THE FOLLOWING AT LEAST 48 HOURS PRIOR TO EXCAVATING IN THIS AREA:

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CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITIES VERTICALLY AND HORIZONTALLY PRIOR TO CONSTRUCTION.

SCALE: 1" = 60'

LEGEND

PROPOSED SANITARY SEWER LINE

PROPOSED SANITARY SEWER SERVICE

PROPOSED PLUG

EXISTING SANITARY SEWER LINE

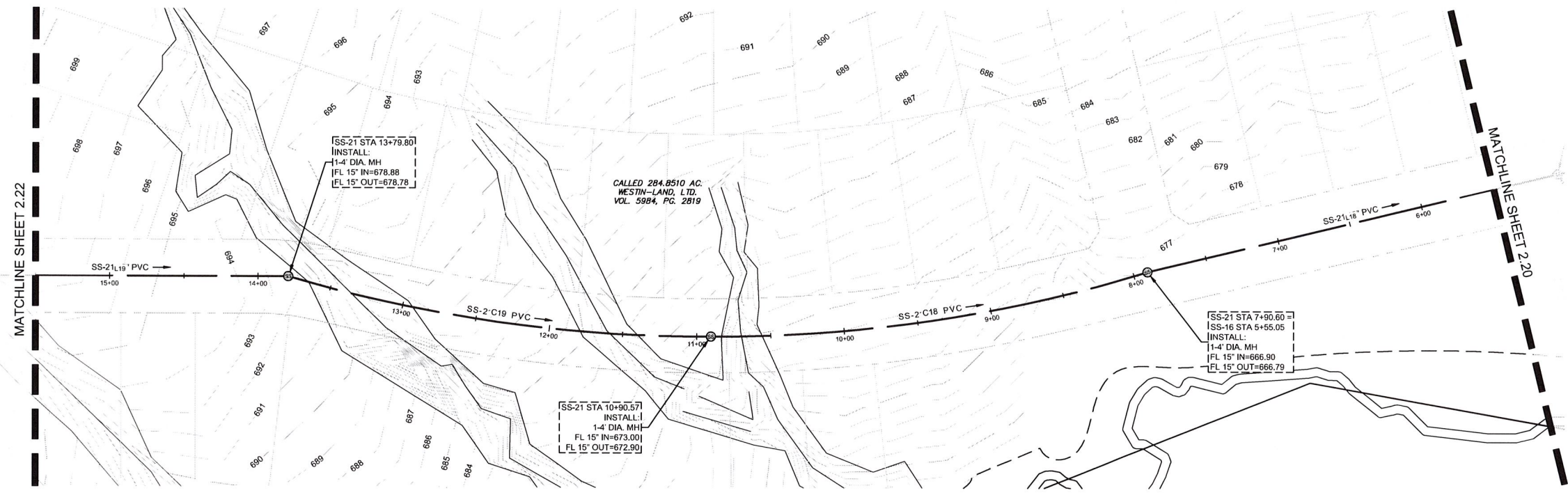
PROPOSED WATER LINE

EXISTING WATER LINE

PROPOSED STORM DRAIN

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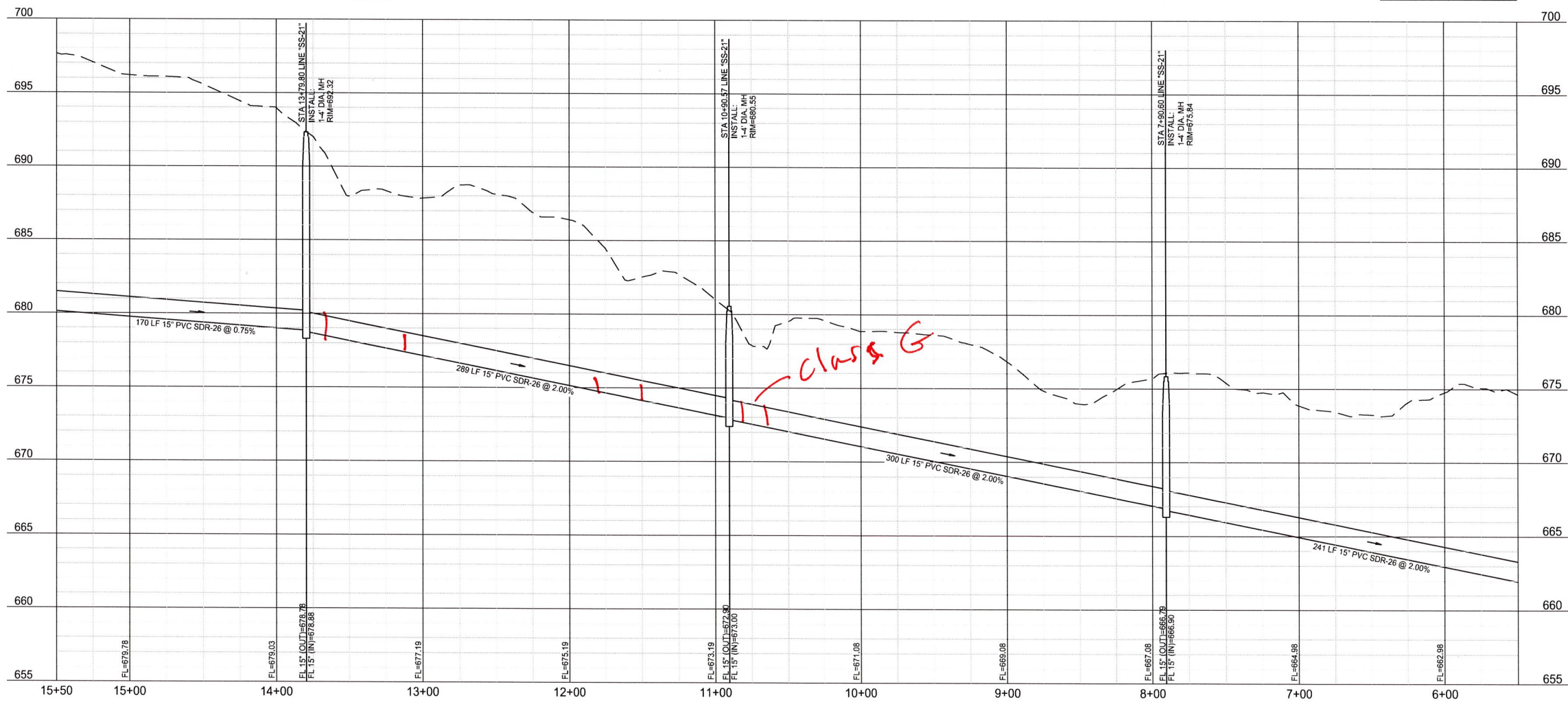
Current detail shows shows B-2



CURVE TABLE						
CURVE	DELTA	RADIUS	TANGENT	LENGTH	CHORD	BEARING
C18	017° 11' 14"	1000.00'	151.12'	299.97'	298.85'	S14° 03' 45"W
C19	016° 34' 18"	1000.00'	145.63'	289.23'	288.22'	S30° 29' 55"W

SS-21

LINE TABLE		
LINE	LENGTH	BEARING
L18	284.81'	S09° 02' 01"W
L19	228.33'	S22° 32' 05"W



BENCHMARKS

BM #1 - "X" CUT ON HEADWALL ON THE EAST SIDE OF FM 543, APPROX. 62' SOUTH OF THE CENTERLINE OF RIGSBY LANE ELEVATION = 745.65'

BM #2 - "X" CUT ON HEADWALL ON THE WEST SIDE OF FM 543, APPROXIMATELY 2.946' NORTH OF THE CENTERLINE OF CR 206 ELEVATION = 733.37'

BM #3 - "X" CUT ON HEADWALL AT THE SOUTHEAST CORNER OF THE INTERSECTION OF FM 543 AND CR 206 ELEVATION = 717.56'

PRELIMINARY
-FOR REVIEW ONLY-

THESE DOCUMENTS ARE FOR DESIGN REVIEW ONLY AND ARE NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSE. THEY ARE PREPARED BY, OR UNDER THE SUPERVISION OF:

JAY W. REISSIG 94971 12/16/2020
TYPE OR PRINT NAME PE # DATE

NO.	DATE	REVISION

VENETIAN AT WESTON OFFSITE
SEWER PLAN & PROFILE - SS-21
(15+50-5+50)

WESTON, COLLIN COUNTY, TEXAS



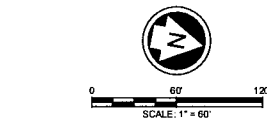
TEXAS REGISTRATION ENGINEERING FIRM NO. 12207
15000 FRISCO STREET, SUITE 400, FRISCO, TEXAS 75033
FRISCO OFFICE PHONE: (469) 213-1800

DRAWN: MCM	DATE: DECEMBER 2020	PROJECT #: LEN20001	SHEET: 2.21
DESIGNED: MCM	REVIEWER: JWR		

NOTE: THE CONTRACTOR SHALL CONTACT THE FOLLOWING AT LEAST 48 HOURS PRIOR TO EXCAVATING IN THIS AREA:

TEXAS 811	1-800-344-8377
ATMOS GAS	972-881-4161
TXU ELECTRIC DELIVERY	1-800-711-9112
WESTON WATER SUPPLY	972-382-2245
NORTH COLLIN SUD	972-837-2331

CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITIES VERTICALLY AND HORIZONTALLY PRIOR TO CONSTRUCTION.



LEGEND

- PROPOSED SANITARY SEWER LINE
- PROPOSED SANITARY SEWER SERVICE
- PROPOSED PLUG
- EXISTING SANITARY SEWER LINE
- PROPOSED WATER LINE
- EXISTING WATER LINE
- PROPOSED STORM DRAIN

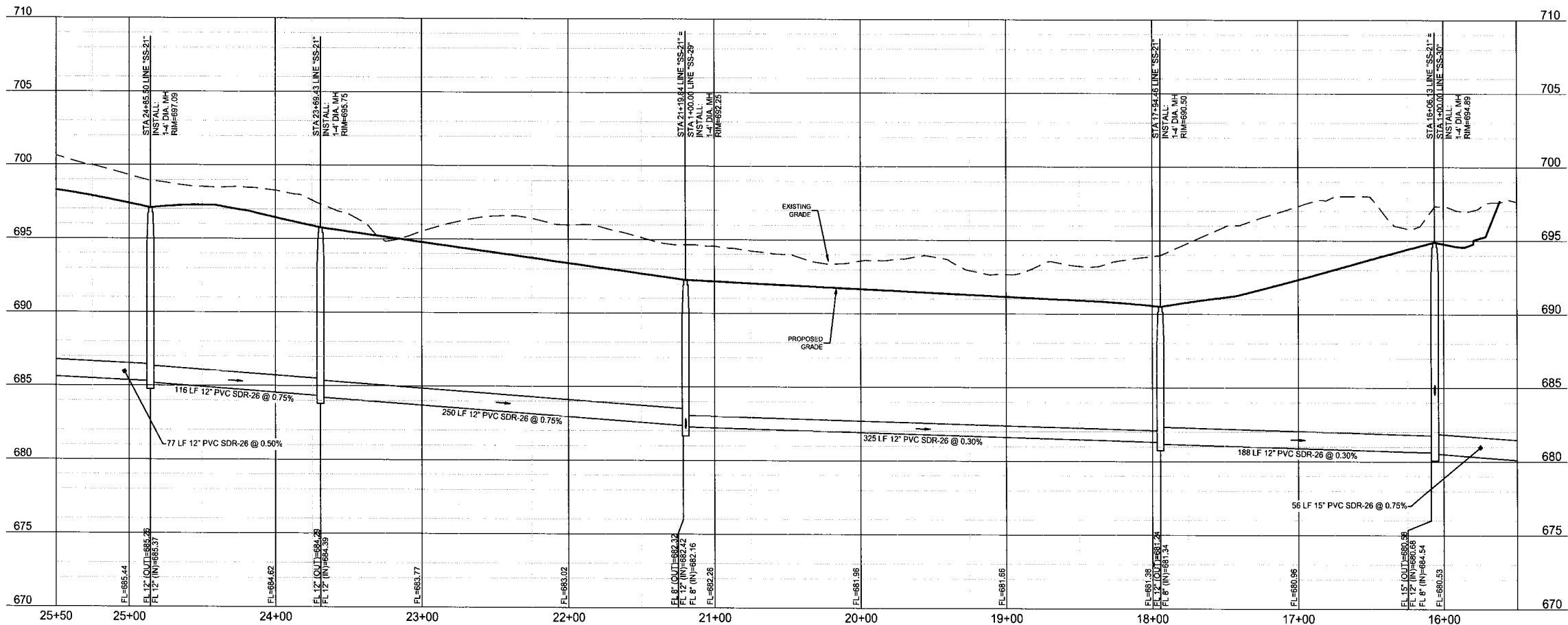
NOTES:

- ALL MANHOLES GREATER THAN 12 FEET DEEP SHALL BE A MINIMUM OF 5 FEET (60 INCHES) IN DIAMETER AND SHALL HAVE AN EXTERIOR DROP CONNECTION.
- ALL SEWER MAINS SHALL BE CONSTRUCTED UTILIZING SDR-26 PIPE.
- CONTRACTOR SHALL PRESSURE RATE THE SANITARY SEWER PIPE AT ALL CROSSINGS BETWEEN THE WATERLINE AND THE SANITARY SEWER PIPE IN ACCORDANCE WITH TCEQ REGULATIONS.
- SEPARATION BETWEEN WATERLINE AND SANITARY SEWER CROSSINGS SHALL CONFORM TO TCEQ'S CHAPTER 290.44(e), AND CHAPTER 317.13 APPENDIX E.
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LINE TABLE		
LINE	LENGTH	BEARING
L19	226.33'	S22° 32' 05"W
L20	325.38'	S10° 48' 51"E
L21	249.59'	S10° 48' 51"E
L22	77.49'	N67° 28' 50"W

CURVE TABLE					
CURVE	DELTA	RADIUS	TANGENT	LENGTH	CHORD
C20	029° 58' 25"	360.00'	96.37'	188.33'	186.19'
C21	016° 37' 34"	400.00'	58.45'	116.07'	115.67'

SS-21



BENCHMARKS

BM #1 - "X" CUT ON HEADWALL ON THE EAST SIDE OF FM 543, APPROX. 62' SOUTH OF THE CENTERLINE OF RIGSBY LANE ELEVATION = 745.85'

BM #2 - "X" CUT ON HEADWALL ON THE WEST SIDE OF FM 543, APPROXIMATELY 2.945' NORTH OF THE CENTERLINE OF CR 206 ELEVATION = 733.37'

BM #3 - "X" CUT ON HEADWALL AT THE SOUTHEAST CORNER OF THE INTERSECTION OF FM 543 AND CR 206 ELEVATION = 717.56'

PRELIMINARY -FOR REVIEW ONLY-

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JAY W. REISSIG 94971 12/16/2020
TYPE OR PRINT NAME PE# DATE

NO.	DATE	REVISION

VENETIAN AT WESTON OFFSITE

SEWER PLAN & PROFILE - SS-21 (25+50-15+50)

WESTON, COLLIN COUNTY, TEXAS



TEXAS PROFESSIONAL ENGINEERING FIRM NO. 12207
15000 F RISCO STREET, SUITE 400, FORT WORTH, TEXAS 76133
FHSO OFFICE PHONE: (469) 213-1800

DRAWN: MCM	DATE: DECEMBER 2020	PROJECT #: LEN20001	SHEET: 2.22
DESIGNED: MCM	REVIEWER: JWR		

NOTE: THE CONTRACTOR SHALL CONTACT THE FOLLOWING AT LEAST 48 HOURS PRIOR TO EXCAVATING IN THIS AREA:

TEXAS 811	1-800-344-8377
ATMOS GAS	972-881-4161
TXU ELECTRIC DELIVERY	1-800-711-9112
WESTON WATER SUPPLY	972-382-2245
NORTH COLLIN SUD	972-837-2331

CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITIES VERTICALLY AND HORIZONTALLY PRIOR TO CONSTRUCTION.



0 60 120
SCALE: 1" = 60'

LEGEND

	PROPOSED SANITARY SEWER LINE
	PROPOSED SANITARY SEWER SERVICE
	PROPOSED PLUG
	EXISTING SANITARY SEWER LINE
	PROPOSED WATER LINE
	EXISTING WATER LINE
	PROPOSED STORM DRAIN

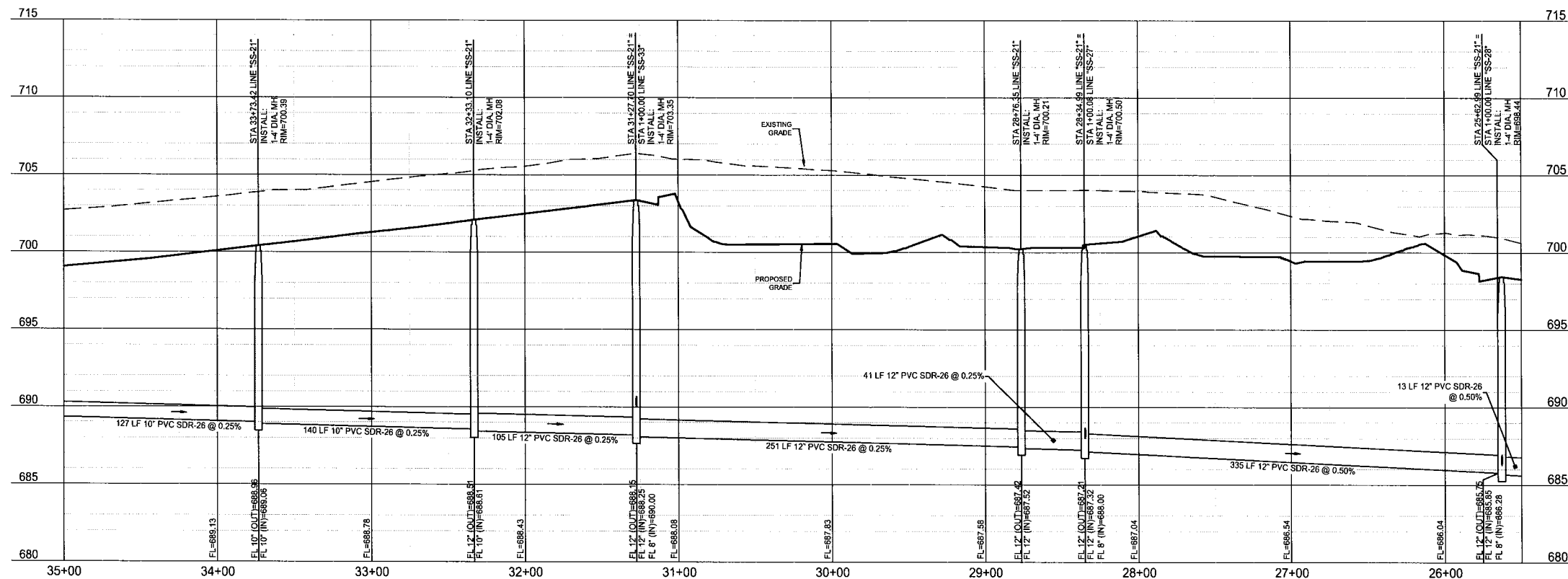
NOTES:

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CURVE TABLE					
CURVE	DELTA	RADIUS	TANGENT	LENGTH	CHORD
C22	026° 47' 55"	300.00'	71.47'	140.32'	139.04'
					S74° 00' 11"E

SS-21

LINE TABLE		
LINE	LENGTH	BEARING
L22	77.49'	N67° 28' 50"W
L23	272.00'	S22° 33' 10"W
L24	41.36'	S37° 26' 50"E
L25	251.35'	S22° 28' 54"W
L26	105.40'	S67° 31' 08"E
L27	316.10'	N89° 37' 33"E



BENCHMARKS

BM #1: "X" CUT ON HEADWALL ON THE EAST SIDE OF FM 543, APPROX. 67' SOUTH OF THE CENTERLINE OF RIGSBY LANE ELEVATION = 745.65'

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JAY W. REISSIG 94971 12/16/2020
TYPE OR PRINT NAME PE # DATE

NO.	DATE	REVISION

VENETIAN AT WESTON OFFSITE

SEWER PLAN & PROFILE - SS-21
(35+00-25+50)

WESTON, COLLIN COUNTY, TEXAS



TEXAS REGISTRATION ENGINEERING FIRM NO. 12087
10000 FRISCO STREET, SUITE 400, FRISCO, TEXAS 75033
FRISCO OFFICE PHONE: (480) 213-1800

DRAWN: MCM	DATE	PROJECT #	SHEET
DESIGNED: MCM	DECEMBER 2020	LEN20001	2.23
REVIEWER: JWR			

NOTE: THE CONTRACTOR SHALL CONTACT THE FOLLOWING AT LEAST 48 HOURS PRIOR TO EXCAVATING IN THIS AREA:

TEXAS 811	1-800-344-8377
ATMOS GAS	972-881-4161
TXU ELECTRIC DELIVERY	1-800-711-9112
WESTON WATER SUPPLY	972-382-2245
NORTH COLLIN SUD	972-837-2331

CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITIES VERTICALLY AND HORIZONTALLY PRIOR TO CONSTRUCTION.



LEGEND

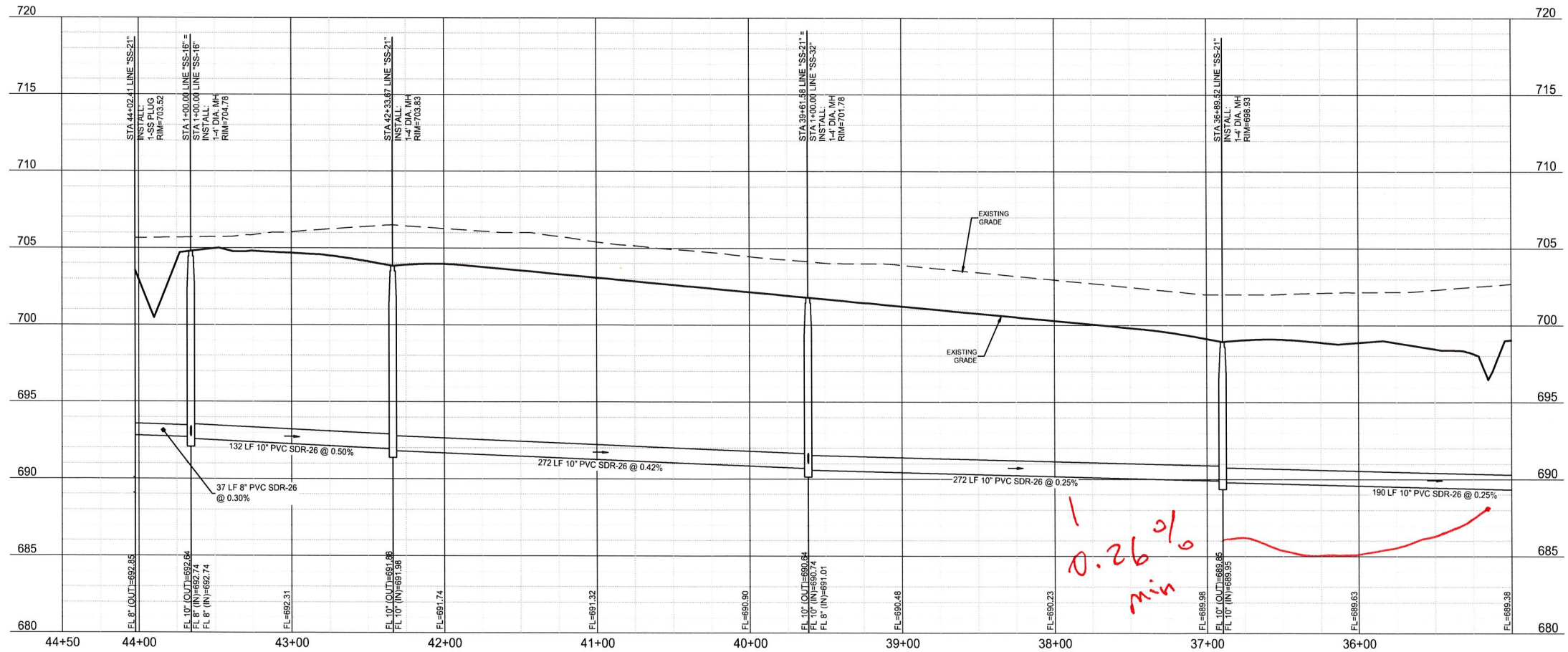
- | | |
|--|---------------------------------|
| | PROPOSED SANITARY SEWER LINE |
| | PROPOSED SANITARY SEWER SERVICE |
| | PROPOSED PLUG |
| | EXISTING SANITARY SEWER LINE |
| | PROPOSED WATER LINE |
| | EXISTING WATER LINE |
| | PROPOSED STORM DRAIN |

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LINE TABLE		
LINE	LENGTH	BEARING
L27	316.10'	N89° 37' 33"E
L28	272.06'	S01° 38' 25"W
L29	272.10'	S01° 38' 25"W
L30	132.15'	S89° 29' 24"W
L31	36.58'	S89° 29' 24"W

SS-21



BENCHMARKS

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JAY W. REISSIG	94971	12/16/2020
TYPE OR PRINT NAME	PE #	DATE

NO.	DATE	REVISION

VENETIAN AT WESTON OFFSITE

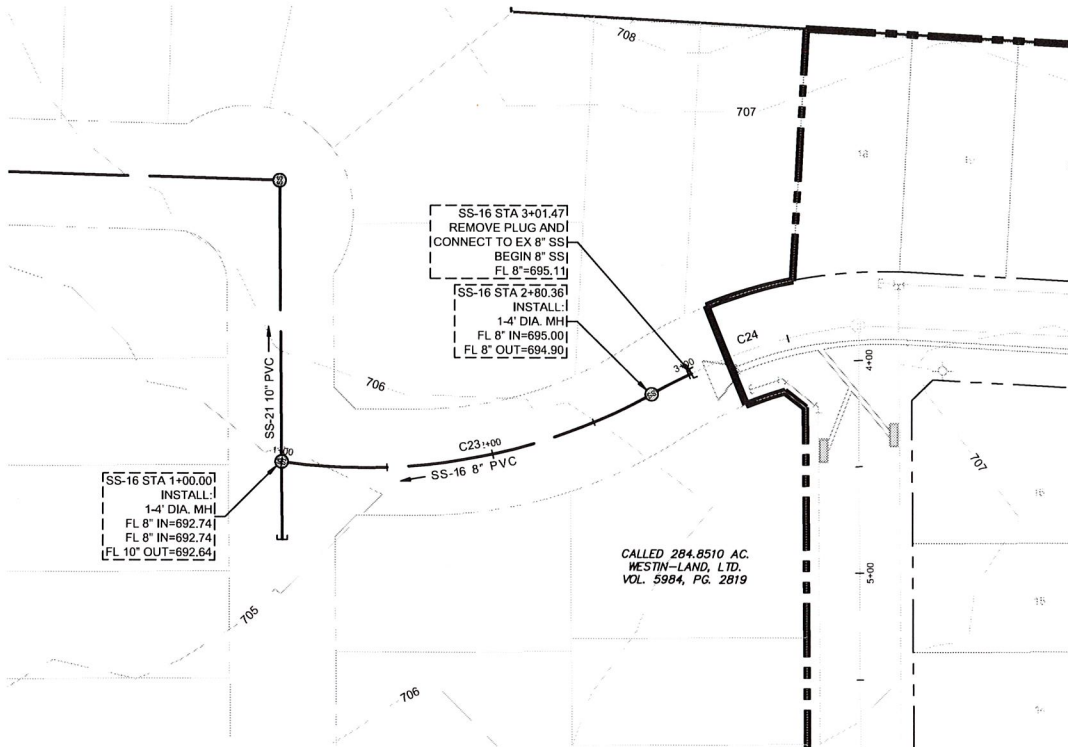
SEWER PLAN & PROFILE - SS-21
(35+00-END)

WESTON, COLLIN COUNTY, TEXAS

PELOTON
LAND SOLUTIONS

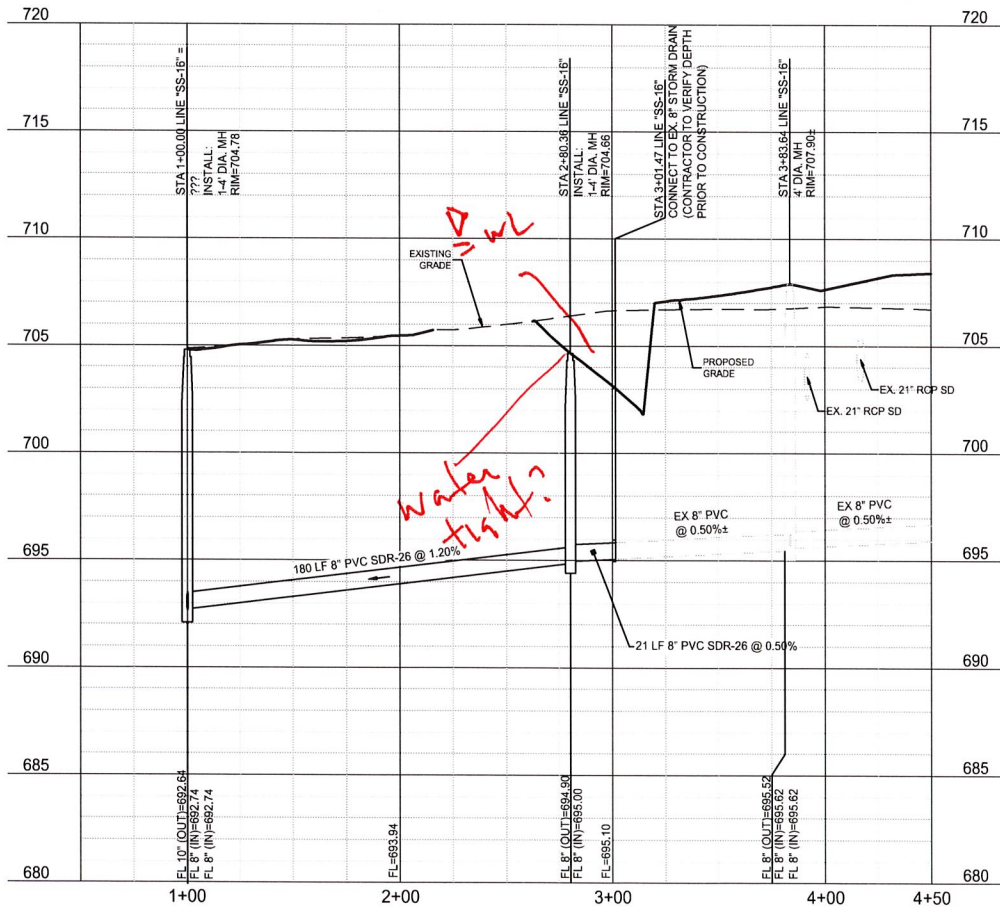
TEXAS REGISTRATION ENGINEERING FIRM NO. 12207
11000 FRISCO STREET, SUITE 400 FRISCO, TEXAS 75033
FRISCO OFFICE PHONE: (469) 213-1800

DRAWN: MCM	DATE: DECEMBER 2020	PROJECT #: LEN20001	SHEET: 2.24
DESIGNED: MCM	REVIEWER: JWR		



CURVE TABLE						
CURVE	DELTA	RADIUS	TANGENT	LENGTH	CHORD	BEARING
C23	036° 54' 21"	280.00'	93.43'	180.36'	177.25'	S10° 27' 07"E
C24	023° 41' 16"	249.83'	52.39'	103.29'	102.55'	S18° 34' 06"E

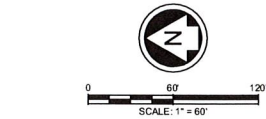
SS-16



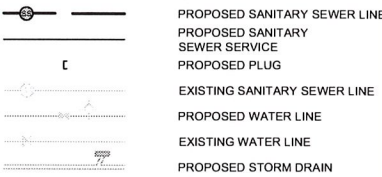
NOTE: THE CONTRACTOR SHALL CONTACT THE FOLLOWING AT LEAST 48 HOURS PRIOR TO EXCAVATING IN THIS AREA:

TEXAS 811	1-800-344-8377
ATMOS GAS	972-881-4161
TXU ELECTRIC DELIVERY	1-800-711-9112
WESTON WATER SUPPLY	972-382-2245
NORTH COLLIN SUD	972-837-2331

CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITIES VERTICALLY AND HORIZONTALLY PRIOR TO CONSTRUCTION.



LEGEND



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JAY W. REISSIG 94971 12/16/2020
TYPE OR PRINT NAME PE # DATE

NO.	DATE	REVISION

VENETIAN AT WESTON OFFSITE

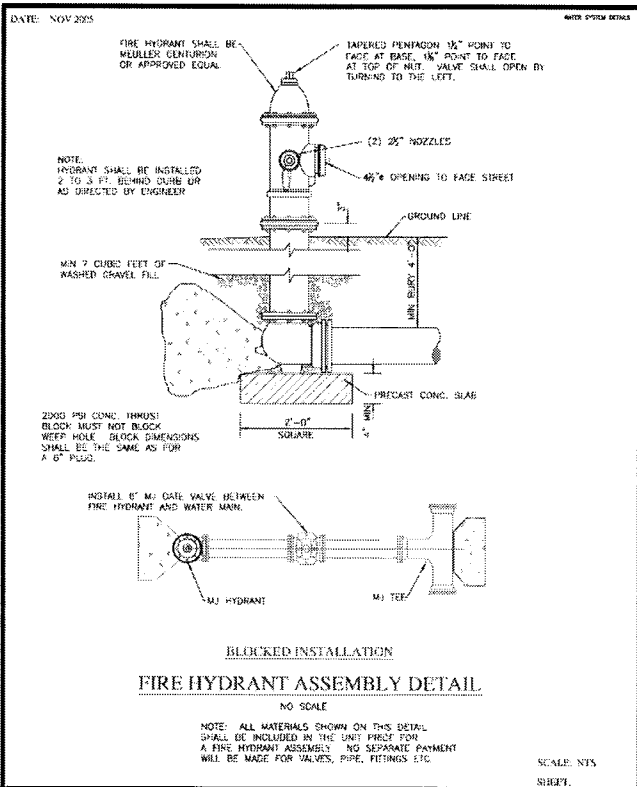
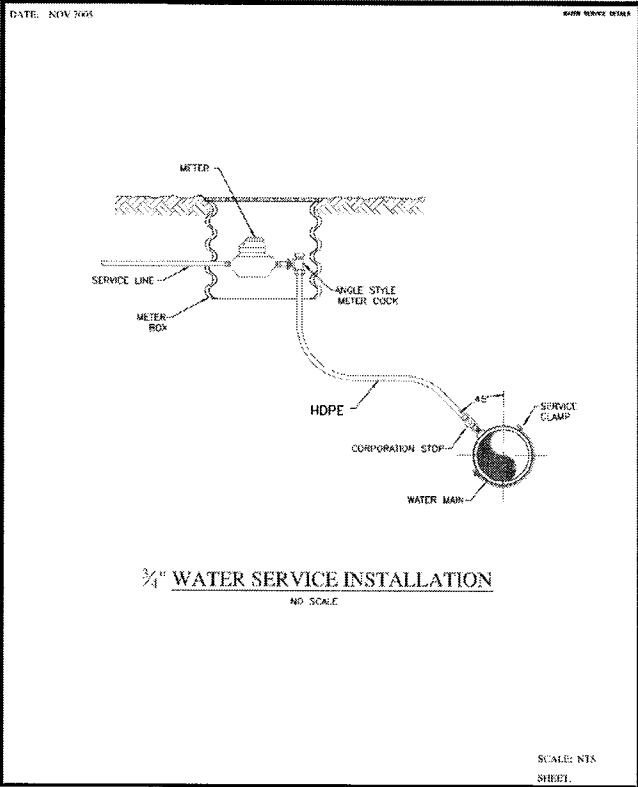
SEWER PLAN & PROFILE - SS-16

WESTON, COLLIN COUNTY, TEXAS



TEXAS REGISTRATION ENGINEERING FIRM NO. 12007
11000 FRISCO STREET, SUITE 400, FRISCO, TEXAS 75033
FRISCO OFFICE PHONE: (469) 213-1800

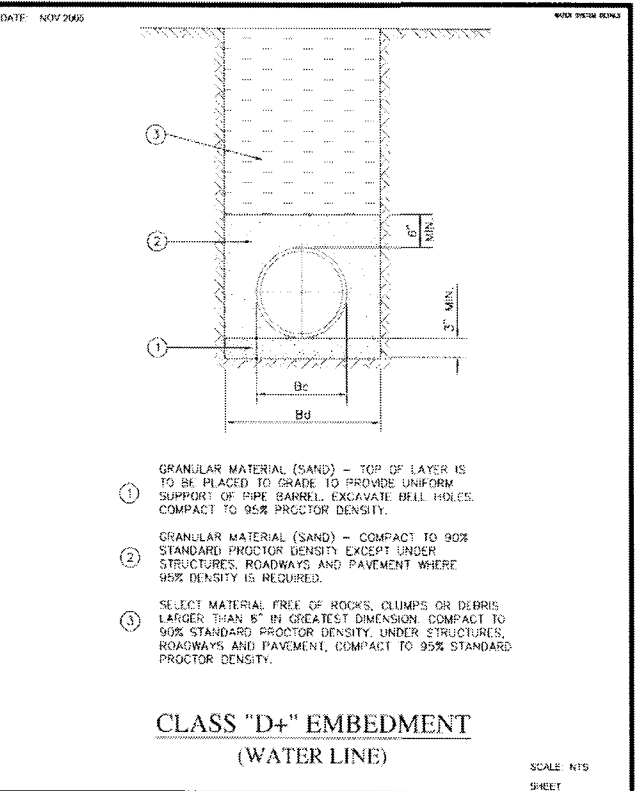
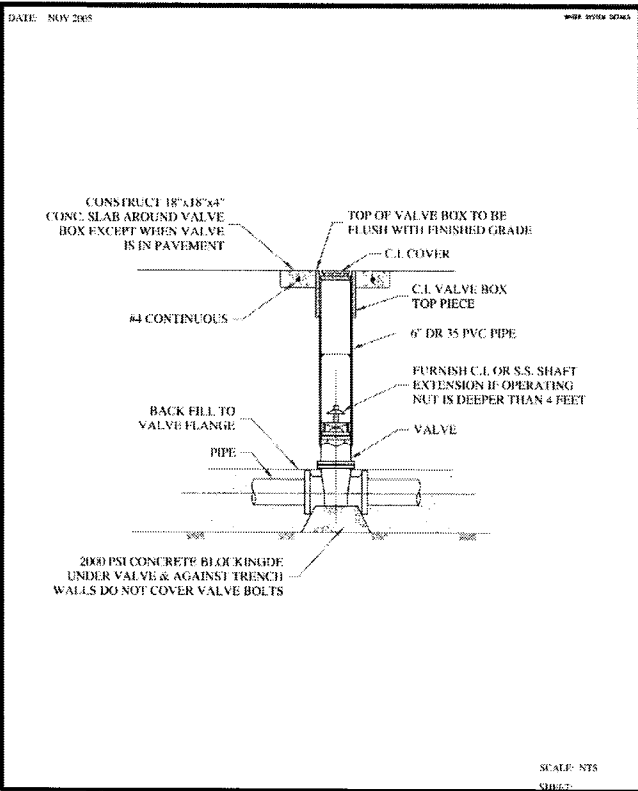
DRAWN: MCM	DATE: DECEMBER 2020	PROJECT #: LEN20001	SHEET: 2.25
DESIGNED: MCM			
REVIEWER: JWR			



NOTE: THE CONTRACTOR SHALL CONTACT THE FOLLOWING AT LEAST 48 HOURS PRIOR TO EXCAVATING IN THIS AREA:

TEXAS 811	1-800-344-8377
ATMOS GAS	972-881-4161
TXU ELECTRIC DELIVERY	1-800-711-9112
WESTON WATER SUPPLY	972-382-2245
NORTH COLLIN SUD	972-837-2331

CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITIES VERTICALLY AND HORIZONTALLY PRIOR TO CONSTRUCTION.



BENCHMARKS

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BM #2 - "X" CUT ON HEADWALL ON THE WEST SIDE OF FM 543, APPROXIMATELY 2,946' NORTH OF THE CENTERLINE OF CR 206. ELEVATION = 733.37'

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JAY W. REISSIG 94971 12/18/2020
TYPE OR PRINT NAME PE # DATE

NO.	DATE	REVISION

VENETIAN AT WESTON OFFSITE

WATER DETAILS

WESTON, COLLIN COUNTY, TEXAS



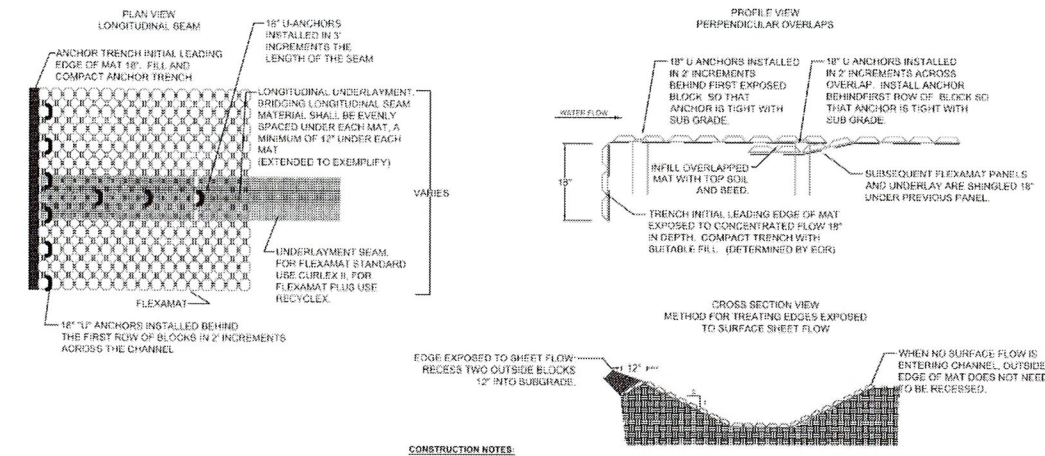
TEXAS REGISTRATION ENGINEERING FIRM NO. 12207
1500 FRISCO STREET, SUITE 400, FRISCO, TEXAS 75033
FRISCO OFFICE PHONE: (469) 213-1800

DRAWN: MCM	DATE	PROJECT #	SHEET
DESIGNED: MCM	DECEMBER 2020	LEN20001	DET
REVIEWER: JWR			

NOTE: THE CONTRACTOR SHALL CONTACT THE FOLLOWING AT LEAST 48 HOURS PRIOR TO EXCAVATING IN THIS AREA:

TEXAS 811	1-800-344-8377
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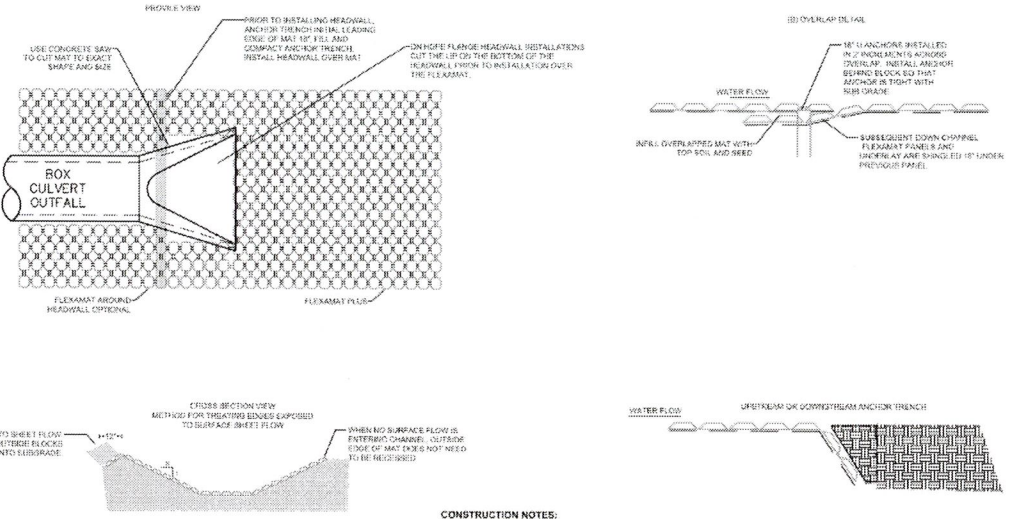
CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITIES VERTICALLY AND HORIZONTALLY PRIOR TO CONSTRUCTION.



- CONSTRUCTION NOTES:**
- GRADE CHANNEL SO THAT WATER WILL FLOW DOWN THE CENTER OF THE CHANNEL AND BE CONTAINED TO THE CHANNEL. ALL SUBGRADE SURFACES PREPARED FOR PLACEMENT OF MATS SHALL BE SMOOTH AND FREE OF ALL ROCKS, STICKS, ROOTS, OTHER PROTRUSIONS, OR DEBRIS OF ANY KIND. THE PREPARED SURFACE SHALL PROVIDE A FIRM UNYIELDING FOUNDATION FOR THE MATS.
 - APPLY SEED DIRECTLY TO THE PREPARED SOIL PRIOR TO FLEXAMAT INSTALLATION. USE SEED PER PROJECT SPECIFICATIONS.
 - INSTALL FLEXAMAT ROLLS. AVAILABLE WIDTHS ARE 4', 5.5', 8', 10', 12', & 16'. IF THE MANUFACTURERS RECOMMENDATION TO WIDEN THE WIDEST MATS POSSIBLE IN ORDER TO REDUCE LONGITUDINAL SEAMS TO ACHIEVE WIDER WIDTHS, INSTALL MATS ADJACENT TO ONE ANOTHER, BRIDGE LONGITUDINAL SEAM WITH UNDERLAYMENT. UNDERLAYMENT SEAM: 15' OF UNDERLAYMENT SHALL BE UNDER EACH MAT AND DIRECTLY AGAINST THE SUBGRADE.
 - FLIP FLEXAMAT SECTIONS BACK INTO PLACE SO THAT THEY FIT TIGHTLY.
 - INSTALL 18" U-ANCHORS OR STAINLESS STEEL ZIP TIES IN 3" INCREMENTS THE LENGTH OF THE LONGITUDINAL SEAM. U-ANCHORS CONSIST OF #3 REBAR SHAPED INTO A U-SHAPE WITH 18" LEGS.
 - AT THE BEGINNING OF CHANNEL, THE INITIAL LEADING EDGE OF FLEXAMAT EXPOSED TO CONCENTRATED FLOWS SHALL BE EMBEDDED 18" VERTICALLY INTO THE SUB GRADE TO SERVE AS AN ANCHOR TRENCH. THE TRENCH SHALL BE FILLED AND COMPACTED WITH SUITABLE FILL (OTHER AS SPECIFIED BY EOR).
 - INSTALL 18" U-ANCHORS IN 2" INCREMENTS BEHIND THE FIRST ROW OF BLOCKS EXTENDING FROM ANCHOR TRENCH. INSTALL ANCHORS DIRECTLY BEHIND BLOCKS.
 - FOR ADDITIONAL SECTIONS OF MAT, OVERLAP THE DOWNSTREAM SECTION 15" WITH UPSTREAM SECTION OF MAT. PRIOR TO INSTALLING OVERLAP, FLIP UPSTREAM MAT BACK 24". EXCAVATE 2.25" OF SOIL 18" FROM END OF UPSTREAM MAT. DOWNSTREAM SECTION IS LAID IN THE SHALLOW TRENCH. LIGHTLY SPREAD TOPSOIL AND SEED OVER INITIAL EDGE. FLIP END OF UPSTREAM MAT OVER THE SOIL COVERED INITIAL LEADING EDGE OF DOWNSTREAM MAT.
 - INSTALL 18" U-ANCHORS IN 2" INCREMENTS ACROSS THE OVERLAP. INSTALL ANCHORS DIRECTLY BEHIND BLOCKS.
 - OUTSIDE EDGES OF THE MAT EXPOSED TO SURFACE FLOW SHALL HAVE THE OUTSIDE BLOCK RECESSED 12" IN SUBGRADE.
 - AT THE END OF THE ARMORED CHANNEL, EMBED THE MAT 18" IN A TERMINATION TRENCH. FILL AND COMPACT TERMINATION TRENCH WITH SUITABLE FILL.

FLEXAMAT INFORMATION

Manufacturer: Motz Enterprises, Inc.
Product Name: Flexamat®
Address: 3153 Madison Road
Cincinnati, Ohio 45209
Telephone: 513-772-MOTZ (6689)
Fax: 513-772-6690
Email: info@flexamat.com
Website: www.flexamat.com

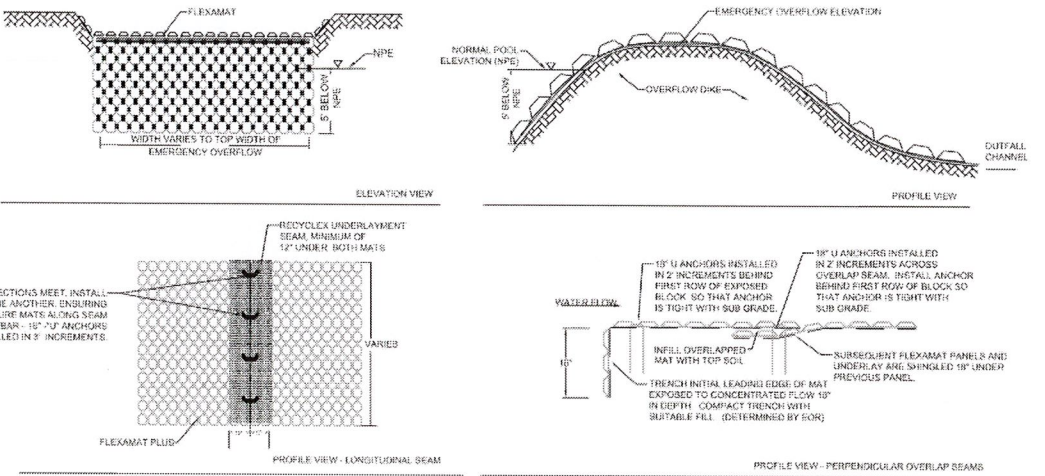


- CONSTRUCTION NOTES:**
- GRADE CHANNEL SO THAT WATER WILL FLOW DOWN THE CENTER OF THE CHANNEL AND BE CONTAINED TO THE CHANNEL. ALL SUBGRADE SURFACES PREPARED FOR PLACEMENT OF MATS SHALL BE SMOOTH AND FREE OF ALL ROCKS, STICKS, ROOTS, OTHER PROTRUSIONS, OR DEBRIS OF ANY KIND. THE PREPARED SURFACE SHALL PROVIDE A FIRM UNYIELDING FOUNDATION FOR THE MATS.
 - APPLY SEED DIRECTLY TO THE PREPARED SOIL PRIOR TO FLEXAMAT INSTALLATION. USE SEED PER PROJECT SPECIFICATIONS.
 - INSTALL FLEXAMAT ROLLS. AVAILABLE WIDTHS ARE 4', 5.5', 8', 10', 12', & 16'. IF AVAILABLE IN CUSTOM LENGTHS.
 - AT THE BEGINNING OF CHANNEL, THE INITIAL LEADING EDGE OF FLEXAMAT EXPOSED TO CONCENTRATED FLOWS SHALL BE EMBEDDED 18" VERTICALLY INTO THE SUB GRADE TO SERVE AS AN ANCHOR TRENCH. THE TRENCH SHALL BE FILLED AND COMPACTED WITH SUITABLE FILL OR OTHER (AS SPECIFIED BY EOR).
 - FOR ADDITIONAL SECTIONS OF MAT, OVERLAP THE DOWNSTREAM SECTION 15" WITH UPSTREAM SECTION OF MAT. PRIOR TO INSTALLING OVERLAP, FLIP UPSTREAM MAT BACK 24". EXCAVATE 2.25" OF SOIL 18" FROM END OF UPSTREAM MAT. DOWNSTREAM SECTION IS LAID IN THE SHALLOW TRENCH. LIGHTLY SPREAD TOPSOIL OVER INITIAL EDGE. FLIP END OF UPSTREAM MAT OVER THE SOIL COVERED INITIAL LEADING EDGE OF DOWNSTREAM MAT.
 - INSTALL 18" U-ANCHORS IN 2" INCREMENTS ACROSS THE OVERLAP. INSTALL ANCHORS DIRECTLY BEHIND BLOCKS.
 - AT THE END OF THE ARMORED CHANNEL, EMBED THE MAT 18" IN A TERMINATION TRENCH. FILL AND COMPACT TERMINATION TRENCH WITH SOIL.

FLEXAMAT INFORMATION

Manufacturer: Motz Enterprises, Inc.
Product Name: Flexamat®
Address: 3153 Madison Road
Cincinnati, Ohio 45209
Telephone: 513-772-MOTZ (6689)
Fax: 513-772-6690
Email: info@flexamat.com
Website: www.flexamat.com

FLEXAMAT® CHANNEL INSTALLATION DETAIL- WIDER THAN 16'



- CONSTRUCTION NOTES:**
- ALL SUBGRADE SURFACES PREPARED FOR PLACEMENT OF MATS SHALL BE SMOOTH AND FREE OF ALL ROCKS, STICKS, ROOTS, OTHER PROTRUSIONS, OR DEBRIS OF ANY KIND. THE PREPARED SURFACE SHALL PROVIDE A FIRM UNYIELDING FOUNDATION FOR THE MATS WITH NO SHARP OR ABRUPT BREAKS IN THE GRADE.
 - APPLY SEED DIRECTLY TO THE PREPARED SOIL PRIOR TO FLEXAMAT INSTALLATION. USE SEED PER PROJECT SPECIFICATIONS.
 - INSTALL FLEXAMAT ROLLS. AVAILABLE WIDTHS ARE 4', 5.5', 8', 10', 12', & 16'. IF THE MANUFACTURERS RECOMMENDATION TO WIDEN THE WIDEST MATS POSSIBLE IN ORDER TO REDUCE LONGITUDINAL SEAMS TO ACHIEVE WIDER WIDTHS, INSTALL MATS ADJACENT TO ONE ANOTHER, BRIDGE LONGITUDINAL SEAM WITH UNDERLAYMENT. UNDERLAYMENT SEAM: 15' OF UNDERLAYMENT SHALL BE UNDER EACH MAT AND DIRECTLY AGAINST THE SUBGRADE.
 - FLIP FLEXAMAT SECTIONS BACK INTO PLACE SO THAT THEY FIT TIGHTLY.
 - SECURE SEAM BY INSTALLING 18" U-ANCHORS IN 2" INCREMENTS THE LENGTH OF THE LONGITUDINAL SEAM. U-ANCHORS CONSIST OF #3 REBAR, SHAPED INTO A U WITH 18" LEGS.
 - IF ADDITIONAL SECTIONS ARE REQUIRED FOR LENGTH OF CHANNEL, OVERLAP THE DOWNSTREAM SECTION 15" WITH UPSTREAM SECTION OF MAT. PRIOR TO INSTALLING OVERLAP, FLIP UPSTREAM MAT BACK 24". EXCAVATE 2.25" OF SOIL 18" FROM END OF UPSTREAM MAT. DOWNSTREAM SECTION IS LAID IN THE SHALLOW TRENCH. LIGHTLY SPREAD TOPSOIL OVER INITIAL EDGE. FLIP END OF UPSTREAM MAT OVER THE SOIL COVERED INITIAL LEADING EDGE OF DOWNSTREAM MAT.
 - INSTALL 18" U-ANCHORS IN 2" INCREMENTS ACROSS THE OVERLAP.
 - AT THE END OF THE ARMORED CHANNEL, EMBED THE MAT 18" IN A TERMINATION TRENCH. FILL AND COMPACT TERMINATION TRENCH WITH SUITABLE FILL.

FLEXAMAT® INFORMATION

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FLEXAMAT® OVERFLOW PLAN AND PROFILE DETAIL

FLEXAMAT® NEW OUTLET INSTALLATION DETAIL

Need erosion control plan showing silt fence locations

BENCHMARKS

BM #1 - "X" CUT ON HEADWALL ON THE WEST SIDE OF FM 543, APPROX 62' SOUTH OF THE CENTERLINE OF RIGSBY LANE. ELEVATION = 745.85'

BM #2 - "X" CUT ON HEADWALL ON THE EAST SIDE OF FM 543, APPROXIMATELY 2.845' NORTH OF THE CENTERLINE OF CR 206. ELEVATION = 733.37'

BM #3 - "X" CUT ON HEADWALL AT THE SOUTHEAST CORNER OF THE INTERSECTION OF FM 543 AND CR 206. ELEVATION = 717.56'

PRELIMINARY - FOR REVIEW ONLY -

THESE DOCUMENTS ARE FOR DESIGN REVIEW ONLY AND ARE NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSE. THEY ARE PREPARED BY, OR UNDER THE SUPERVISION OF:

JAY W. REISSIG	94971	12/18/2020
TYPE OR PRINT NAME	PE #	DATE

NO.	DATE	REVISION

VENETIAN AT WESTON OFFSITE

FLEXAMAT DETAILS

WESTON, COLLIN COUNTY, TEXAS

PELOTON LAND SOLUTIONS

TEXAS REGISTRATION ENGINEERING FIRM NO. 12227
1500 FRISCO STREET, SUITE 400, FRISCO, TEXAS 75033
FRISCO OFFICE PHONE: (469) 213-1800

DRAWN: MCM	DATE	PROJECT #	SHEET
DESIGNED: MCM	DECEMBER 2020	LEN20001	DET
REVIEWER: JWR			