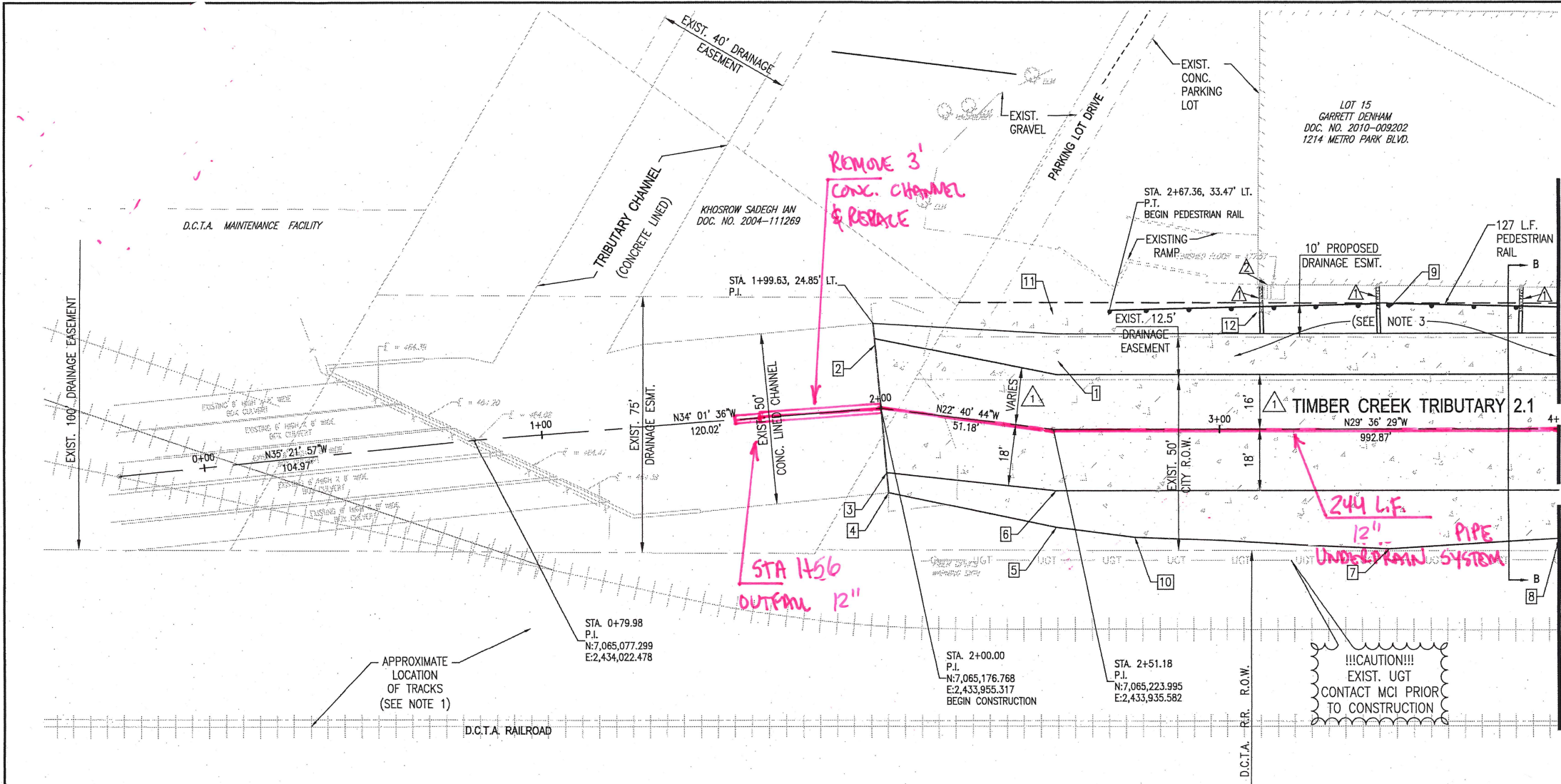
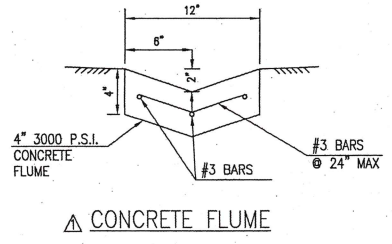


PLANNED BY: RAIL 3, 6/20/20
DESIGNED BY: 2/11/2020 4:13 PM
FILE NAME: C:\LEWISVILLE\METRO PARK BOULEVARD CHANNEL IMPROVEMENTS
SHEET: 02 OF 02 (CONTRACT)



POINT #	STATION	OFFSET	DESCRIPTION	ELEVATION
1	2+52.48	20.00' LT.	TOE SLOPE	468.10
2	1+99.72	18.57' LT.	TOE SLOPE	468.02
3	2+04.02	18.56' RT.	TOE SLOPE	468.05
4	2+05.26	24.29' RT.	TOP SLOPE	474.14
5	2+51.94	28.89' RT.	TOP SLOPE	473.23
6	2+51.95	18.00' RT.	TOE SLOPE	468.10
7	3+50.05	35.05' RT.	TOP SLOPE	476.62
8	3+99.97	32.14' RT.	TOP SLOPE	475.29
9	3+50.00	35.24' LT.	TOP SLOPE	475.72
10	2+74.96	31.62' RT.	TOP SLOPE	474.75
11	2+47.13	33.36' LT.	TOP SLOPE	474.65
12	3+11.35	34.28' LT.	TOP SLOPE	475.39

CAUTION:
EXISTING UTILITIES AND UNDERGROUND FACILITIES OF THESE PLANS HAVE BEEN LOCATED FROM REFERENCE INFORMATION AND AS-BUILT PLANS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PROTECT ALL EXISTING UTILITIES AND WILL BE RESPONSIBLE FOR ANY DAMAGE TO SAID UTILITIES. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION.

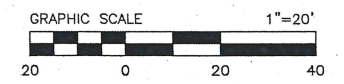
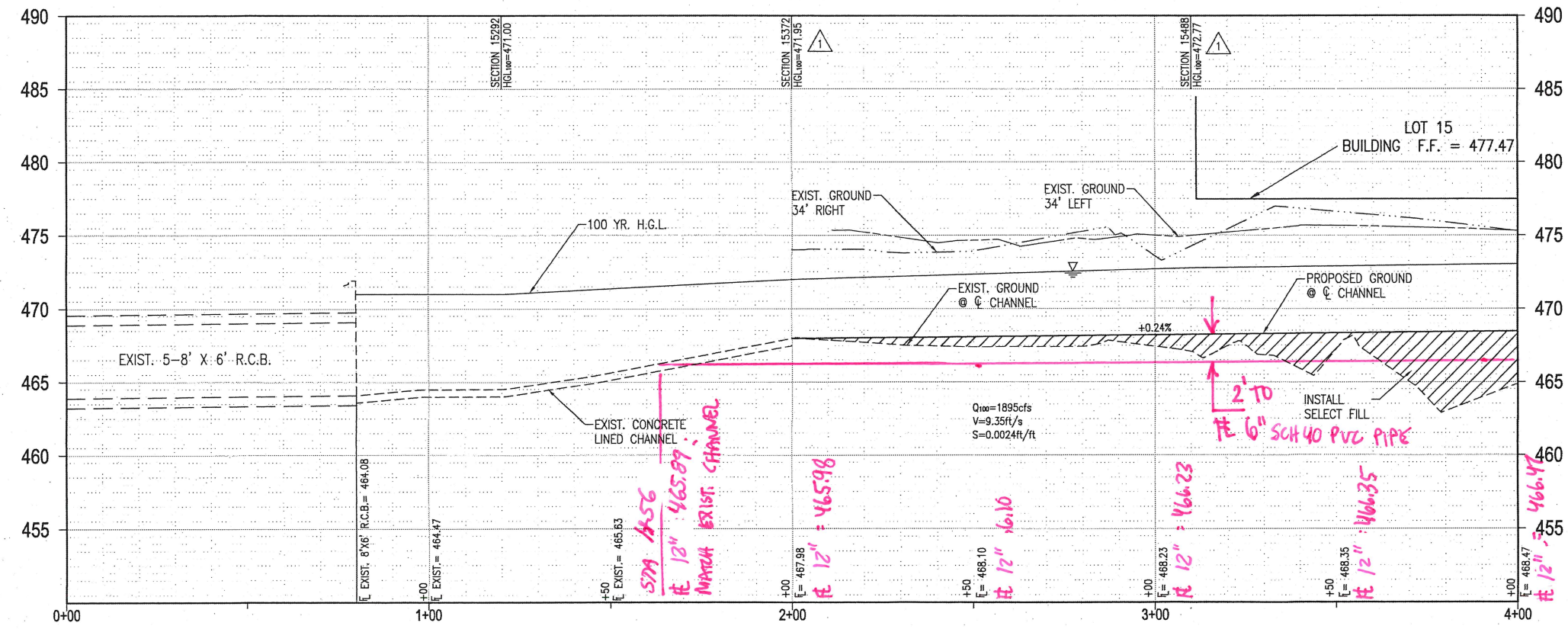


- LEGEND
- CONSTRUCT CONCRETE FLUME FROM BUILDING ROOF DRAIN TO THE CHANNEL.
 - EXISTING STAIRS

- NOTES:
- ANY WORK WITHIN 25' OF D.C.T.A. TRACKS OR IN DART R.O.W. REQUIRES A RIGHT OF ENTRY PERMIT FROM DART THROUGH D.C.T.A. ALL REQUIREMENTS IN ANY AGREEMENT/RIGHT OF ENTRY/PERMIT ARE SUBSIDIARY TO ALL BID ITEMS IN CONTRACT, INCLUDING D.C.T.A. FLAGGERS IN THE FOUL ZONE AND INSURANCE REQUIREMENTS. CONTRACTOR SHALL ALSO BE REQUIRED TO APPLY, OBTAIN, AND PAY ALL FEES ASSOCIATED WITH ANY PERMIT REQUIRED BY TXDOT FOR WORK WITHIN TXDOT RIGHT-OF-WAY, OR BY DART/D.C.T.A. FOR WORK WITHIN DART RIGHT-OF-WAY. CONTRACTOR SHALL ENSURE THAT ALL PERSONNEL WORKING WITHIN THE FLAGGERS AREA HAVE COMPLETED A CREDITED ROADWAY WORKER PROTECTION COURSE.
 - SEE SHEET 2 FOR TYPICAL CHANNEL SECTIONS.
 - SEE SHEET 2 FOR GENERAL NOTES FOR CONSTRUCTION OF CHANNEL.

BENCH MARKS

- T203MP - 1/2" I.R. W/CAP
N:7,065,188.389
E:2,433,913.161
ELEV.=474.41
- T302LX - 1/2" I.R. W/CAP
N:7,065,443.184
E:2,433,783.137
ELEV.=474.56
- R301LY - 1/2" I.R. W/CAP
N:7,065,677.876
E:2,433,532.598
ELEV.=477.31
- T300LY - 1/2" I.R. W/CAP
N:7,066,140.660
E:2,433,381.125
ELEV.=477.96
- R327LX - 1/2" I.R. W/CAP
N:7,066,338.139
E:2,433,299.928
ELEV.=478.74



REVISED 02/11/2020 CHANGE ORDER NO. 1

CITY OF LEWISVILLE
CHANNEL IMPROVEMENTS
TIMBER CREEK TRIBUTARY 2.1
STA. 0+00 TO STA. 4+00
METRO PARK BOULEVARD CHANNEL IMPROVEMENTS
DENTON COUNTY, TEXAS

Graham Associates, Inc.
CONSULTING ENGINEERS & PLANNERS
600 SIX FLAGS DRIVE, SUITE 500
ARLINGTON, TEXAS 76011 (817) 640-8535
TXBE FIRM: F-1191/TBPLS FIRM: 101538-00

DRAWN BY: G.A.L.

DATE: 2/11/2020

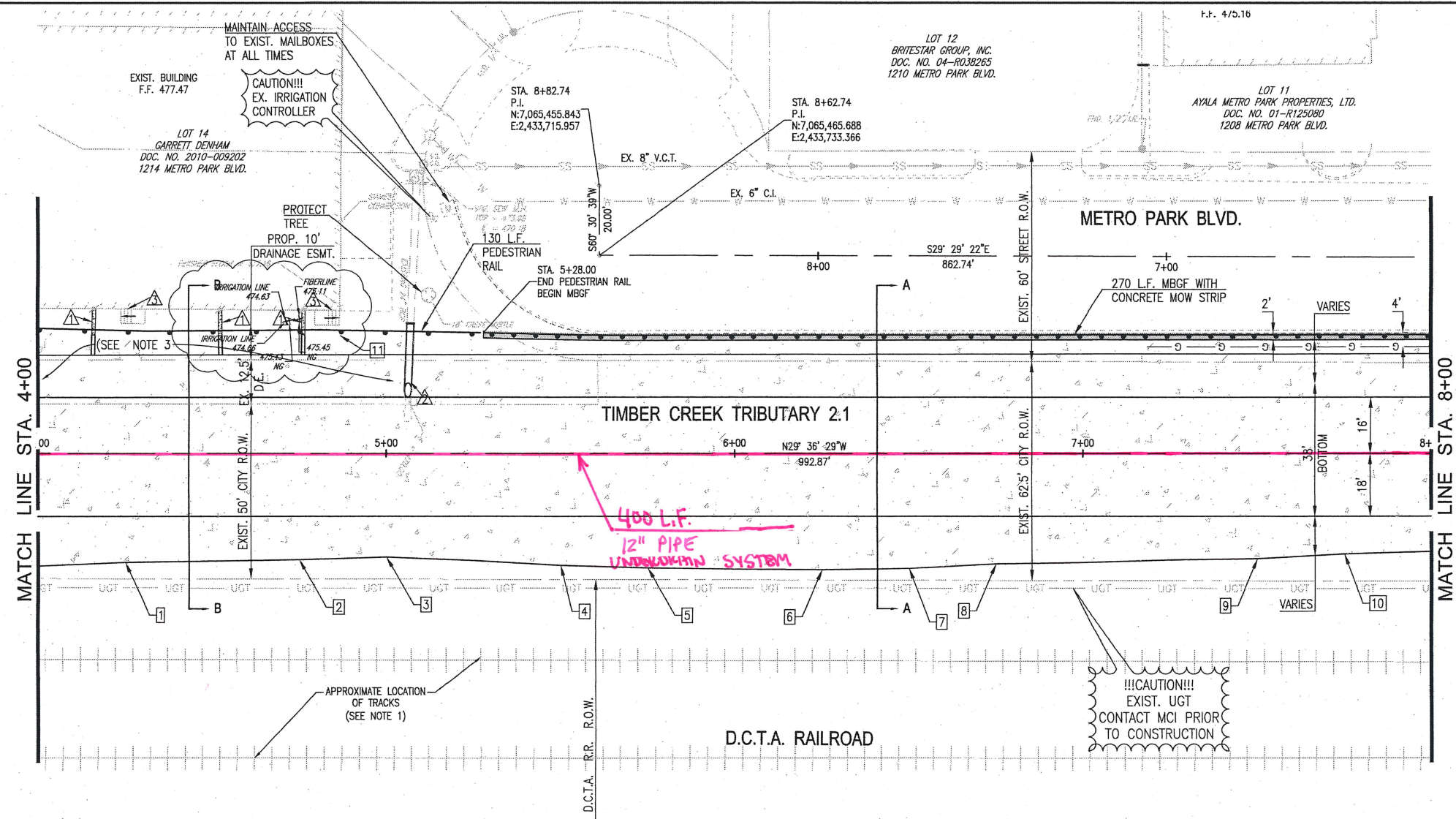
PROJECT NO. 920 - 1003

SHEET 1 OF 4

SHEET 5

PROFILE SCALE:
1" = 20' HORIZ.
1" = 5' VERT.

CITY PROJECT NO. G10904, 2009 DRAINAGE IMPROVEMENTS



- NOTES:
1. ANY WORK WITHIN 25' OF D.C.T.A. TRACKS OR IN DART R.O.W. REQUIRES A RIGHT OF ENTRY PERMIT FROM DART THROUGH D.C.T.A. ALL REQUIREMENTS IN ANY AGREEMENT/RIGHT OF ENTRY/PERMIT ARE SUBSIDIARY TO ALL BID ITEMS IN CONTRACT, INCLUDING D.C.T.A. FLAGGERS IN THE FOUL ZONE AND INSURANCE REQUIREMENTS. CONTRACTOR SHALL ALSO BE REQUIRED TO APPLY, OBTAIN, AND PAY ALL FEES ASSOCIATED WITH ANY PERMIT REQUIRED BY TXDOT FOR WORK WITHIN TXDOT RIGHT-OF-WAY, OR BY DART/D.C.T.A. FOR WORK WITHIN DART RIGHT-OF-WAY. CONTRACTOR SHALL ENSURE THAT ALL PERSONNEL WORKING WITHIN THE FLAGGERS AREA HAVE COMPLETED A CREDITED ROADWAY WORKER PROTECTION COURSE.
 2. SEE SHEET 2 FOR TYPICAL CHANNEL SECTIONS
 3. SEE SHEET 2 FOR GENERAL NOTES FOR CONSTRUCTION OF CHANNEL

CAUTION:

EXISTING UTILITIES AND UNDERGROUND FACILITIES OF THESE PLANS HAVE BEEN LOCATED FROM REFERENCE INFORMATION AND AS-BUILT PLANS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PROTECT ALL EXISTING UTILITIES AND WILL BE RESPONSIBLE FOR ANY DAMAGE TO SAID UTILITIES. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION.

POINT #	STATION	OFFSET	DESCRIPTION	ELEVATION
1	4+25.01	31.09' RT.	TOP SLOPE	474.83
2	4+75.01	30.36' RT.	TOP SLOPE	474.62
3	5+00.00	29.64' RT.	TOP SLOPE	474.28
4	5+49.98	31.98' RT.	TOP SLOPE	475.57
5	5+74.99	32.71' RT.	TOP SLOPE	476.00
6	6+25.00	33.27' RT.	TOP SLOPE	476.40
7	6+50.02	32.88' RT.	TOP SLOPE	476.26
8	6+75.02	31.54' RT.	TOP SLOPE	475.66
9	7+50.02	30.07' RT.	TOP SLOPE	475.10
10	7+75.02	28.71' RT.	TOP SLOPE	474.79
11	4+86.76	33.68' LT.	TOP SLOPE	475.27

BENCH MARKS

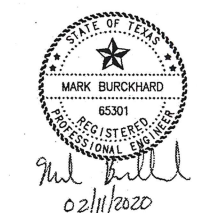
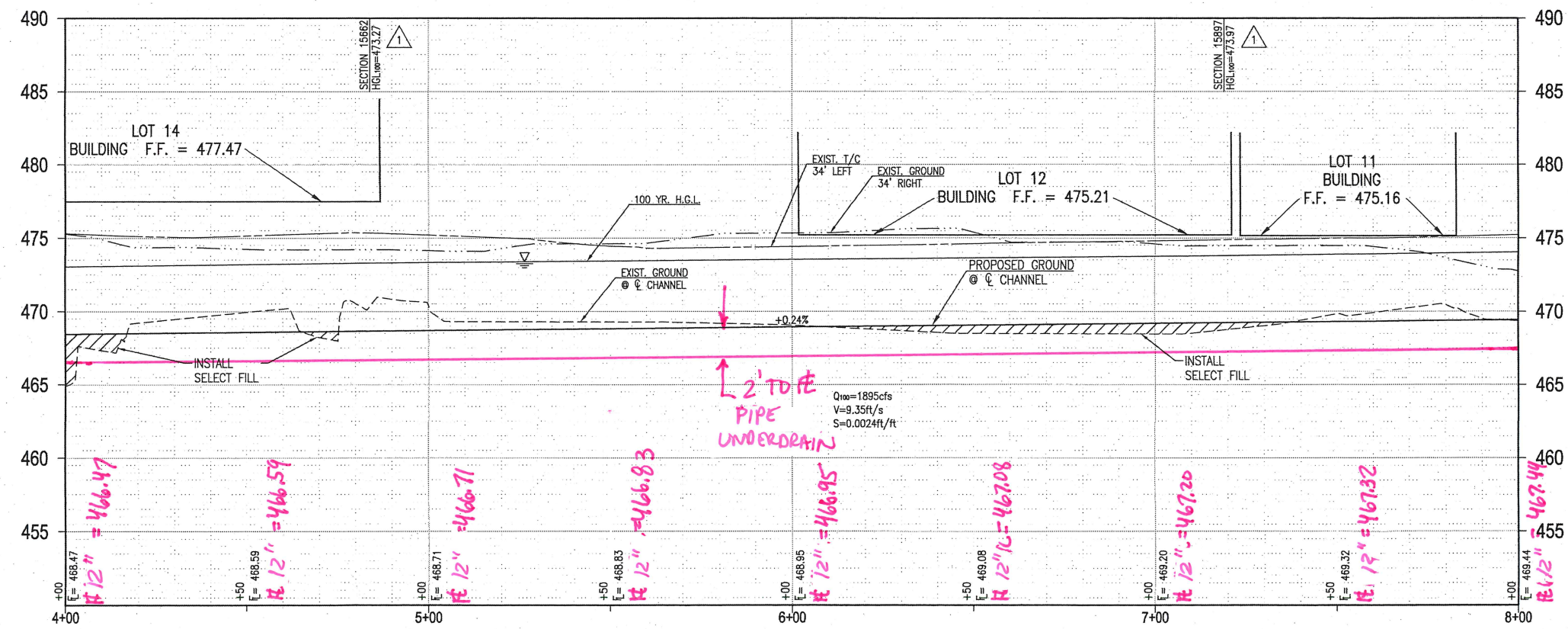
T203MP - 1" I.R. W/CAP
N:7,065,188.389
E:2,433,913.161
ELEV.=474.41

T302LY - 1" I.R. W/CAP
N:7,065,443.184
E:2,433,783.137
ELEV.=474.56

R301LY - 1" I.R. W/CAP
N:7,065,877.876
E:2,433,532.598
ELEV.=477.31

T300LY - 1" I.R. W/CAP
N:7,066,140.669
E:2,433,381.125
ELEV.=477.96

R327LY - 1" I.R. W/CAP
N:7,066,336.139
E:2,433,299.928
ELEV.=478.74



REVISED 02/11/2020 CHANGE ORDER NO. 1

CITY OF LEWISVILLE

CHANNEL IMPROVEMENTS
TIMBER CREEK TRIBUTARY 2.1
STA. 4+00 TO STA. 8+00
METRO PARK BOULEVARD CHANNEL IMPROVEMENTS
DENTON COUNTY, TEXAS

Graham Associates, Inc.
CONSULTING ENGINEERS & PLANNERS
ARLINGTON, TEXAS 76011 (817) 640-6535
TYPE FIRM: F-118/TBPLS FIRM: 101538-00

DRAWN BY: GAL
DATE: 2/13/2020

PROJECT NO. 920-1003
SHEET 2 OF 4

SHEET 6

PLOTTED BY: B. L. B. 2/13/2020 2:46:44
FILE NAME: C:\LEWISVILLE\METRO PARK BLVD CHANNEL IMPROVEMENTS.DWG
SHEET 2 OF 4 (Landscape)

LOT 11
AYALA METRO PARK PROPERTIES, LTD.
DOC. NO. 01-R125080
1208 METRO PARK BLVD.

LOT 10
CHAMMP INTERNATIONAL, INC.
VOL. 2890, PG. 441
1206 METRO PARK BLVD.

EXIST. BUILDING
F.F. 478.24
LOT 9R
PAUL C. GUZIK
698 METRO PARK CIR.

STA. 4+10.20 METRO PARK BLVD.=
STA. 0+00.00 METRO PARK CIRCLE
N:7,065,859.622
E:2,433,510.639
LOT 4
METRO PARK PARTNERSHIP
DOC. NO. 2008-124770
697 METRO PARK CIR.

LOT 3
METRO PARK PARTNERSHIP
DOC. NO. 2008-124770
697 METRO PARK CIR.

CAUTION:

EXISTING UTILITIES AND UNDERGROUND FACILITIES OF THESE PLANS HAVE BEEN LOCATED FROM REFERENCE INFORMATION AND AS-BUILT PLANS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PROTECT ALL EXISTING UTILITIES AND WILL BE RESPONSIBLE FOR ANY DAMAGE TO SAID UTILITIES. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION.

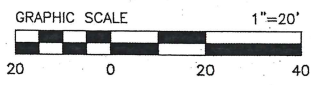
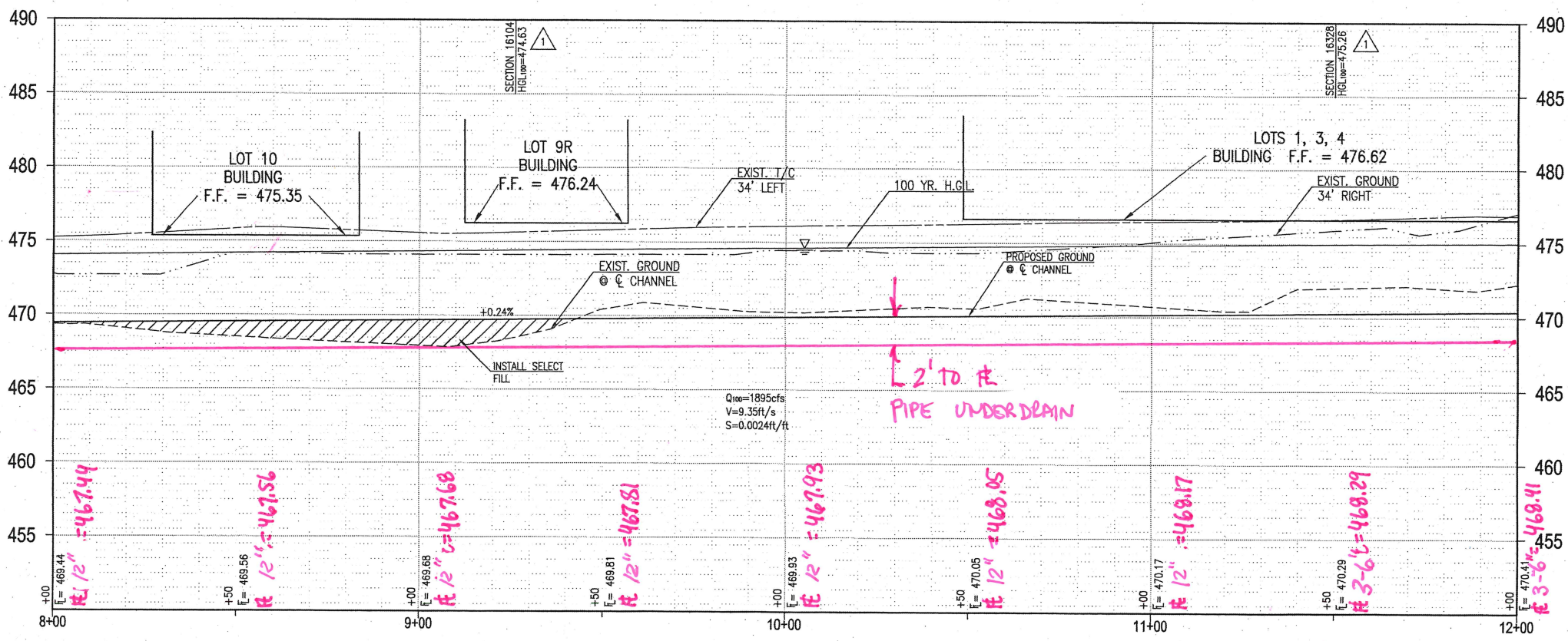
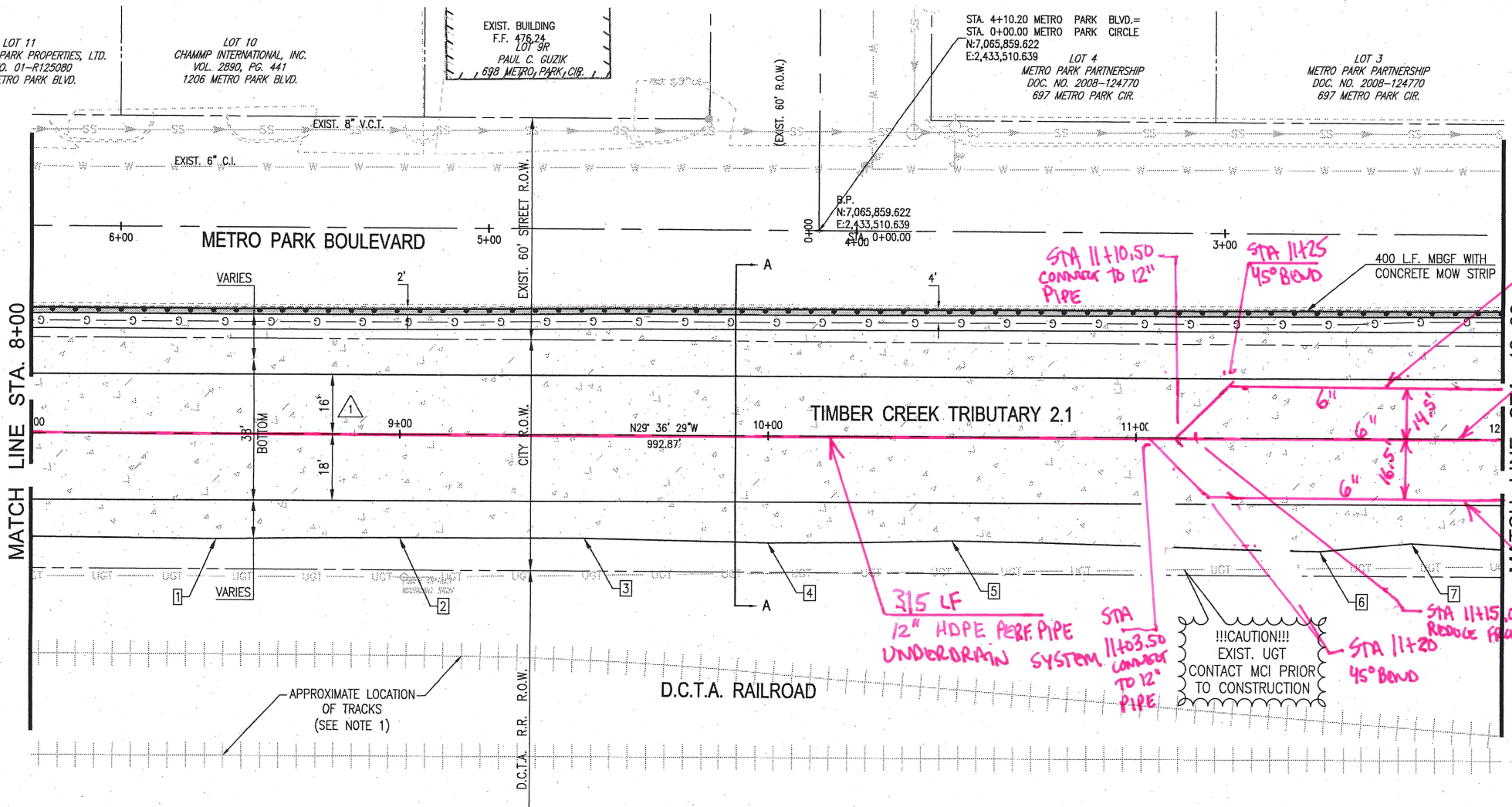
POINT #	STATION	OFFSET	DESCRIPTION	ELEVATION
[1]	8+50.00	28.47' RT.	TOP SLOPE	474.56
[2]	9+00.00	28.00' RT.	TOP SLOPE	474.88
[3]	9+50.00	28.00' RT.	TOP SLOPE	474.81
[4]	9+99.99	28.97' RT.	TOP SLOPE	475.16
[5]	10+50.00	28.17' RT.	TOP SLOPE	475.05
[6]	11+50.02	30.73' RT.	TOP SLOPE	476.41
[7]	11+75.01	28.41' RT.	TOP SLOPE	475.35

96 L.F.
6" HDPE PIPE
UNDERDRAIN SYSTEM
85 L.F.
6" HDPE PIPE
UNDERDRAIN SYSTEM

NOTES:
1. ANY WORK WITHIN 25' OF D.C.T.A. TRACKS OR IN DART R.O.W. REQUIRES A RIGHT OF ENTRY PERMIT FROM DART THROUGH D.C.T.A. ALL REQUIREMENTS IN ANY AGREEMENT/RIGHT OF ENTRY/PERMIT ARE SUBSIDIARY TO ALL BID ITEMS IN CONTRACT, INCLUDING D.C.T.A. FLAGGERS IN THE FOUL ZONE AND INSURANCE REQUIREMENTS. CONTRACTOR SHALL ALSO BE REQUIRED TO APPLY, OBTAIN, AND PAY ALL FEES ASSOCIATED WITH ANY PERMIT REQUIRED BY TXDOT FOR WORK WITHIN TXDOT RIGHT-OF-WAY, OR BY DART/D.C.T.A. FOR WORK WITHIN DART RIGHT-OF-WAY. CONTRACTOR SHALL ENSURE THAT ALL PERSONNEL WORKING WITHIN THE FLAGGERS AREA HAVE COMPLETED A CREDITED ROADWAY WORKER PROTECTION COURSE.
2. SEE SHEET 2 FOR TYPICAL CHANNEL SECTIONS.

BENCH MARKS

T203MP - 1/2" I.R. W/CAP
N:7,065,188.389
E:2,433,913.161
ELEV.=474.41
T3021X - 1/2" I.R. W/CAP
N:7,065,443.184
E:2,433,783.137
ELEV.=474.56
R3011X - 1/2" I.R. W/CAP
N:7,065,877.876
E:2,433,532.598
ELEV.=477.31
T3001X - 1/2" I.R. W/CAP
N:7,066,140.669
E:2,433,381.125
ELEV.=477.96
R3271X - 1/2" I.R. W/CAP
N:7,066,338.139
E:2,433,299.928
ELEV.=478.74



REVISD 02/11/2020 CHANGE ORDER NO. 1

CITY OF LEWISVILLE

CHANNEL IMPROVEMENTS
TIMBER CREEK TRIBUTARY 2.1
STA. 8+00 TO STA. 12+00
METRO PARK BOULEVARD CHANNEL IMPROVEMENTS
DENTON COUNTY, TEXAS

Graham Associates, Inc.
CONSULTING ENGINEERS & PLANNERS
800 SIX FLAGS DRIVE, SUITE 500
ARLINGTON, TEXAS 76011 (817) 640-8535
TXPE FIRM: F-1919/TPPLS FIRM: 101538-00

DRAWN BY: G.A.I.
DATE: 2/13/2020

PROJECT NO. 920-1003
SHEET 3 OF 4

SHEET
7

PROFILE SCALE:
1" = 20' HORIZ.
1" = 5' VERT.

CITY PROJECT NO. G10904, 2009 DRAINAGE IMPROVEMENTS

