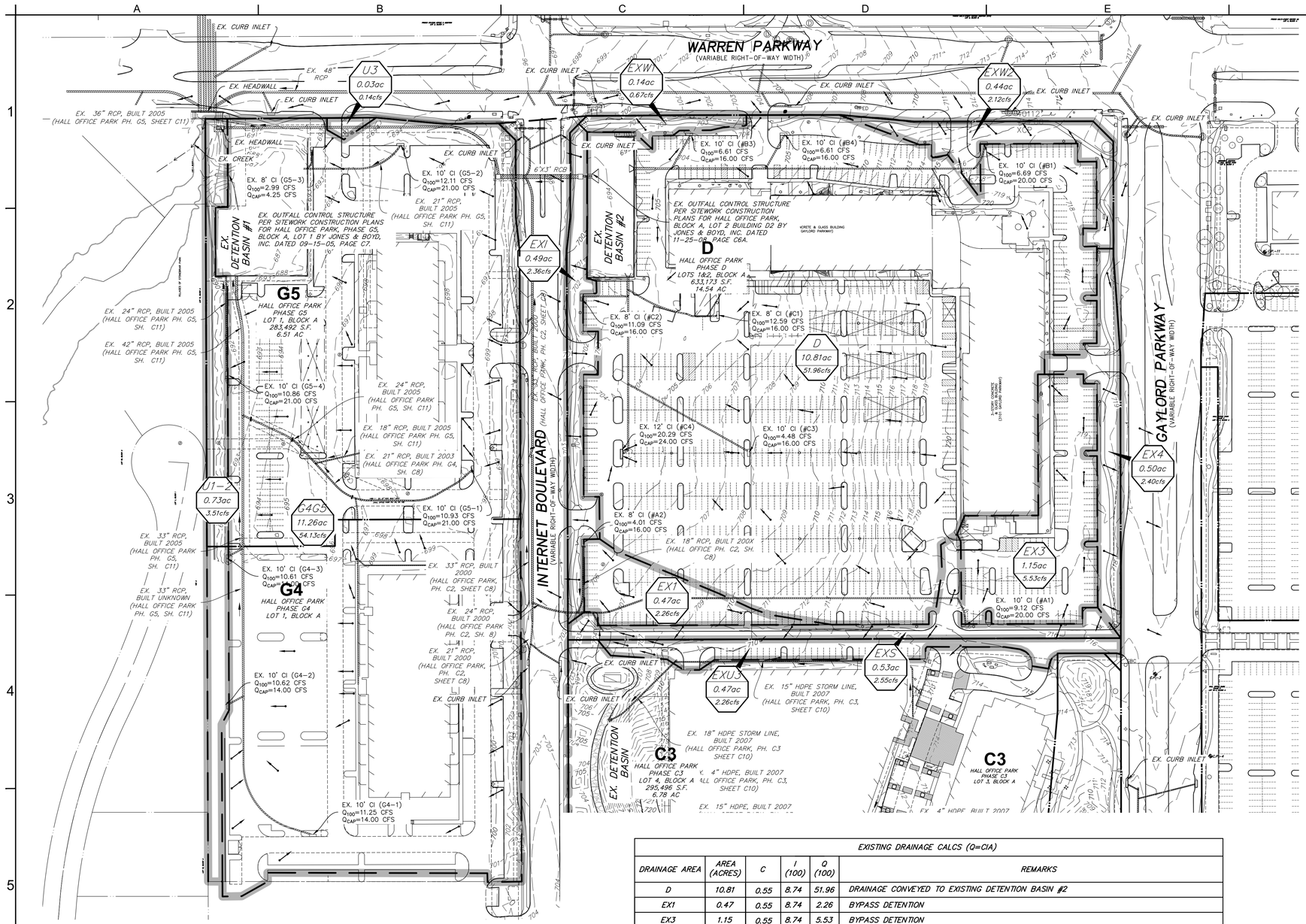

TOCS
1-800-245-4545
txticket@1-call.com

GRAPHIC SCALE
80 0 40 80
(IN FEET)
1 inch = 80 ft.

DRAINAGE LEGEND

2 / 0.95ac / 7.59	AREA DESIGNATION DRAINAGE AREA IN ACRES 100 YEAR RUN OFF RATE
	DRAINAGE AREA DELINEATION
	FLOW PATTERN
	FLOW PATH
404	EX. CONTOUR

EXISTING DRAINAGE CALCS (Q=CIA)

DRAINAGE AREA	AREA (ACRES)	C	I (100)	Q (100)	REMARKS
D	10.81	0.55	8.74	51.96	DRAINAGE CONVEYED TO EXISTING DETENTION BASIN #2
EX1	0.47	0.55	8.74	2.26	BYPASS DETENTION
EX3	1.15	0.55	8.74	5.53	BYPASS DETENTION
EX4	0.50	0.55	8.74	2.40	BYPASS DETENTION
EXI	0.49	0.55	8.74	2.36	BYPASS DETENTION
EXS	0.53	0.55	8.74	2.55	BYPASS DETENTION
EXU3	0.47	0.55	8.74	2.26	BYPASS DETENTION
EXW1	0.14	0.55	8.74	0.67	BYPASS DETENTION
EXW2	0.44	0.55	8.74	2.12	BYPASS DETENTION
G4G5	11.26	0.55	8.74	54.13	DRAINAGE CONVEYED TO EXISTING DETENTION BASIN #1
U1-2	0.73	0.55	8.74	3.51	BYPASS DETENTION
U3	0.03	0.55	8.74	0.14	BYPASS DETENTION
				$Q_{100EXIST}$ = 129.89	

NOTE:
1. DRAINAGE AREA MAP DELINEATED TO PORTRAY AREAS TO BE CONVEYED TO EXISTING PONDS VS AREAS BYPASSING DETENTION.
2. C EQUALS 0.55 PER EXISTING CONDITIONS PER DRAINAGE AREA MAPS FROM CONSTRUCTION SETS PREPARED BY JONES & BOYD INC. DATED 09/15/05 & 11/25/08 PER LOTS PHASE D, BLOCK A, LOT 2 & PHASE G5, BLOCK A, LOT 1.
3. TC EQUALS 10 MINUTES IN EXISTING CONDITIONS.
4. DRAINAGE AREAS TO MATCH THE EXISTING NAMING PER THE DRAINAGE AREA MAPS PREPARED BY JONES & BOYD INC., EXCEPT FOR THE TOTAL AREAS BEING CONVEYED TO EACH EXISTING DETENTION POND.

ACCORDING TO FLOOD INSURANCE RATE MAP (FIRM) MAP NO. 48085C0355K DATED 06\07\2017 PREPARED BY FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FOR COLLIN COUNTY, TEXAS, THIS PROPERTY IS WITHIN ZONE X.

NO.	DATE	REVISION

TEL: 214.295.5775
URBAN STRUCTURE
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Dallas, Texas 75231
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PREPARED UNDER THE SUPERVISION OF DOUGLAS E. BARRILLEAUX P.E.# 97518 ON 03/26/2021

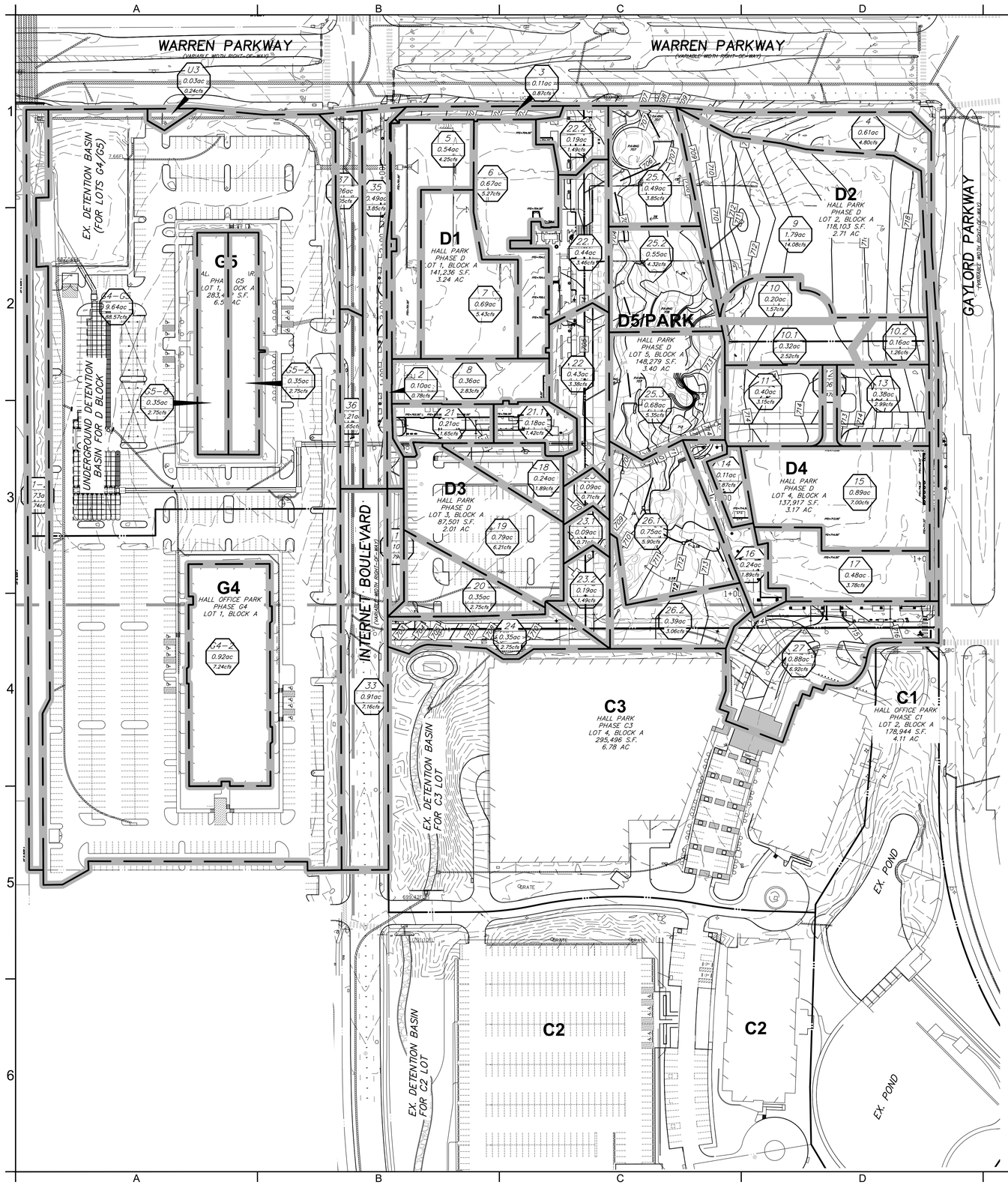
HALL PARK D1
3010 GAYLORD PARKWAY
FRISCO, COLLIN COUNTY, TEXAS
50% DESIGN DEVELOPMENT

EXISTING DRAINAGE AREA MAP

PROJECT:
SHEET TITLE:
CLIENT: HALL GROUP
DRAWN BY: DTE
DESIGNER: BTD
REVIEWER: DEB
U.S. PROJECT: 18566

SHEET
C07.0

FILE NAME: D1 EDAM.DWG
LAST MODIFIED BY: DEVERETT
LAST MODIFIED ON: 3/24/2021 6:39 PM
PLOTTED ON: 06/08/2021 4:40 PM



DRAINAGE CALCS (Q=CIA)					
DRAINAGE AREA	AREA (ACRES)	C	I (100)	Q (100)	REMARKS
1	0.10	0.90	8.74	0.79	BYPASS DETENTION
2	0.10	0.90	8.74	0.79	BYPASS DETENTION
3	0.11	0.90	8.74	0.87	BYPASS DETENTION
4	0.61	0.90	8.74	4.80	BYPASS DETENTION
5	0.54	0.90	8.74	4.25	DRAINAGE CONVEYED TO DOWNSPOUTS
6	0.67	0.90	8.74	5.27	DRAINAGE CONVEYED TO DOWNSPOUTS
7	0.69	0.90	8.74	5.43	DRAINAGE CONVEYED TO DOWNSPOUTS
8	0.36	0.90	8.74	2.83	DRAINAGE CONVEYED TO DOWNSPOUTS
9	1.79	0.90	8.74	14.08	DRAINAGE CONVEYED TO WYE INLET (D2–1)
10	0.20	0.90	8.74	1.57	DRAINAGE CONVEYED TO CURB INLET (D4–6)
10.1	0.32	0.90	8.74	2.52	DRAINAGE CONVEYED TO TRENCH DRAINS (D4–7&8) & CURB INLET (D4–5)
10.2	0.16	0.90	8.74	1.26	DRAINAGE CONVEYED TO CURB INLET (D4–4)
11	0.40	0.90	8.74	3.15	DRAINAGE CONVEYED TO WYE INLET (D4–2)
12	0.06	0.90	8.74	0.47	DRAINAGE CONVEYED TO CURB INLET (D4–3)
13	0.38	0.90	8.74	2.99	DRAINAGE CONVEYED TO WYE INLET (D4–1)
14	0.11	0.90	8.74	0.87	DRAINAGE CONVEYED TO DOWNSPOUTS
15	0.89	0.90	8.74	7.00	DRAINAGE CONVEYED TO DOWNSPOUTS
16	0.24	0.90	8.74	1.89	DRAINAGE CONVEYED TO DOWNSPOUTS
17	0.48	0.90	8.74	3.78	DRAINAGE CONVEYED TO DOWNSPOUTS
18	0.24	0.90	8.74	1.89	DRAINAGE CONVEYED TO CURB INLET (D3–2)
19	0.79	0.90	8.74	6.21	DRAINAGE CONVEYED TO CURB INLET (D3–3)
20	0.35	0.90	8.74	2.75	DRAINAGE CONVEYED TO EXISTING CURB INLET (#C4)
21	0.21	0.90	8.74	1.65	DRAINAGE CONVEYED TO CURB INLET (D1–1)
21.1	0.18	0.90	8.74	1.42	DRAINAGE CONVEYED TO CURB INLET (D3–4)
22	0.43	0.90	8.74	3.38	DRAINAGE CONVEYED TO TRENCH DRAINS (D1–4, D1–5, & D1–6)
22.1	0.44	0.90	8.74	3.46	DRAINAGE CONVEYED TO TRENCH DRAINS (D1–2 & D1–3)
22.2	0.19	0.90	8.74	1.49	DRAINAGE CONVEYED TO TRENCH DRAIN (D1–1)
23	0.09	0.90	8.74	0.71	DRAINAGE CONVEYED TO TRENCH DRAIN (D1–7)
23.1	0.09	0.90	8.74	0.71	DRAINAGE CONVEYED TO TRENCH DRAIN (D1–8)
23.2	0.19	0.90	8.74	1.49	DRAINAGE CONVEYED TO TRENCH DRAIN (D1–9)
24	0.35	0.90	8.74	2.75	DRAINAGE CONVEYED TO CURB INLET (D3–1)
25	0.49	0.90	8.74	3.85	DRAINAGE CONVEYED TO WYE INLET (D5–5)
25.1	0.55	0.90	8.74	4.32	DRAINAGE CONVEYED TO WYE INLET (D5–4)
25.2	0.68	0.90	8.74	5.35	DRAINAGE CONVEYED TO WYE INLET (D5–3)
26	0.75	0.90	8.74	5.90	DRAINAGE CONVEYED TO WYE INLET (D5–2)
26.1	0.39	0.90	8.74	3.06	DRAINAGE CONVEYED TO WYE INLET (D5–1)
27	0.88	0.90	8.74	6.92	DRAINAGE CONVEYED TO CURB INLET (C3–1)
33	0.91	0.90	8.74	7.16	DRAINAGE CONVEYED TO EX. CURB INLETS WITHIN INTERNET BLVD
35	0.49	0.90	8.74	3.85	DRAINAGE CONVEYED TO EX. CURB INLET WITHIN INTERNET BLVD
36	0.21	0.90	8.74	1.65	DRAINAGE CONVEYED TO EX. CURB INLET WITHIN INTERNET BLVD
37	0.26	0.90	8.74	2.05	DRAINAGE CONVEYED TO EX. CURB INLET WITHIN INTERNET BLVD
G4–2	0.92	0.90	8.74	7.24	DRAINAGE FROM G5 BUILDING ROOF CONVEYED TO DETENTION
G4–G5	9.64	0.90	8.74	88.57	DRAINAGE CONVEYED FROM LOTS G4/G5 TO EX. DETENTION
G5–2	0.35	0.90	8.74	2.75	DRAINAGE FROM G5 BUILDING ROOF CONVEYED TO DETENTION
G5–8	0.35	0.90	8.74	2.75	DRAINAGE FROM G5 BUILDING ROOF CONVEYED TO DETENTION
U1–2	0.73	0.90	8.74	5.74	BYPASS DETENTION
U3	0.03	0.90	8.74	0.24	BYPASS DETENTION

GRAPHIC SCALE

80 0 40 80

(IN FEET)
1 inch = 80 ft.

NOTE:
1. DRAINAGE AREA MAP DELINEATED TO PORTRAY AREAS CONVEYED TO DETENTION.
2. C VALUE PER THIS SHEET/DESIGN OF STORM SYSTEM HYDRAULICS WAS UTILIZING A FACTOR OF 0.90.
3. PER THE REPORT CARDINAL STRATEGIES PREPARED FOR THE DOWNSTREAM ASSESSMENT – ADDENDUM #1, DATED MARCH 12, 2020, A C FACTOR OF 0.84 WAS UTILIZED FOR THE OVERALL DETENTION DESIGN, WHICH SERVES AS A WEIGHTED C VALUE DUE TO THE AMOUNT OF PERVIOUS COVERAGE PROVIDED IN THE FUTURE DEVELOPMENT ON THE D BLOCK. MODIFIED RATIONAL DETENTION CALCULATIONS FROM THE REPORT HAVE BEEN PROVIDED ON SHEET C10.1.
4. UNDERGROUND DETENTION POND ON THE G5 LOT IS SIZED TO PROVIDED STORAGE FOR THE ENTIRE D BLOCK DURING A 100 YR STORM EVENT. OUTFALL OF THE EXISTING G5 DETENTION POND WILL BE MODIFIED AS DESCRIBED IN THE REPORT FROM CARDINAL STRATEGIES.
5. TIME OF CONCENTRATION FOR THE DEVELOPMENT IS TO BE 10 MINUTES.
6. REFER TO SHEET C10 FOR DETENTION POND.

DRAINAGE LEGEND

2 / 0.95ac / 7.59	AREA DESIGNATION DRAINAGE AREA IN ACRES 100 YEAR RUN OFF RATE
	DRAINAGE AREA DELINEATION
	FLOW PATTERN
	FLOW PATH
404	EX. CONTOUR
404	PROP. CONTOUR

NOTE:

UNDERGROUND DETENTION STORAGE TO CONTAIN ISOLATOR ROW TO PROVIDE WATER QUALITY FOR STORM DRAINAGE PER CITY OF FRISCO DESIGN REQUIREMENTS. IN ADDITION, THIS DESIGN WILL PROVIDE A WATER QUALITY SEPARATOR PER SHEET C10.3.

ACCORDING TO FLOOD INSURANCE RATE MAP (FIRM) MAP NO. 48085C0355K DATED 06\07\2017 PREPARED BY FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FOR COLLIN COUNTY, TEXAS, THIS PROPERTY IS WITHIN ZONE X.

ON-SITE DETENTION LIMITING POST-DEVELOPMENT DISCHARGE TO A PRE-DEVELOPMENT RUNOFF RATE IS REQUIRED FOR ALL NEW CONSTRUCTION UNLESS A DOWNSTREAM ASSESSMENT HAS BEEN PROVIDED DEMONSTRATING THAT THE EXISTING STORM SYSTEM IS ADEQUATE TO HANDLE POST-DEVELOPMENT DISCHARGE RATES. IF REGIONAL DETENTION EXISTS FOR THIS PROJECT, PROVIDE A NOTE REFERENCING WHERE THE REGIONAL DETENTION WAS DESIGNED AND CONSTRUCTED.

NO.	DATE	REVISION

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PREPARED UNDER THE SUPERVISION OF DOUGLAS E. BARRILLEAUX P.E.# 97518 ON 03/26/2021

PROJECT:

HALL PARK D1
3010 GAYLORD PARKWAY
FRISCO, COLLIN COUNTY, TEXAS
50% DESIGN DEVELOPMENT

SHEET TITLE:

DRAINAGE AREA MAP

CLIENT: HALL GROUP
DRAWN BY: DTE
DESIGNER: BTD
REVIEWER: DEB
U.S. PROJECT: 18566

SHEET
C08.0

FILE NAME: D1 PDAM.DWG
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LAST MODIFIED ON: 3/26/2021 12:16 PM
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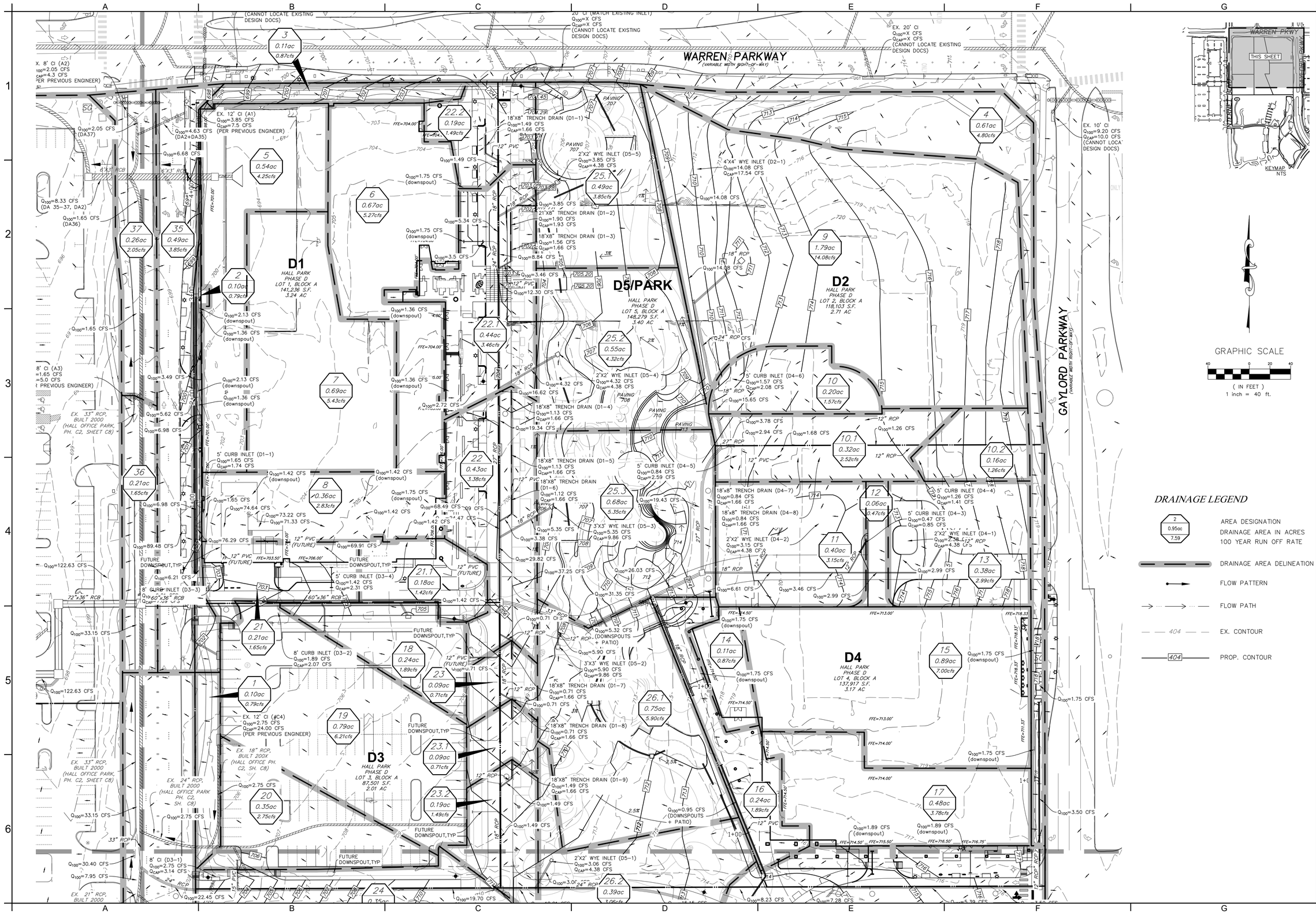

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HALL PARK D1

3010 GAYLORD PARKWAY
FRISCO, COLLIN COUNTY, TEXAS
50% DESIGN DEVELOPMENT

DRAINAGE AREA MAP 1

PROJECT:

CLIENT: HALL GROUP
DRAWN BY: DTE
DESIGNER: BTD
REVIEWER: DEB
U.S. PROJECT: 18566

SHEET TITLE:

SHEET
C08.1

FILE NAME: D1 PDAM.DWG
LAST MODIFIED BY: DEVERETT
LAST MODIFIED ON: 3/25/2021 12:16 PM
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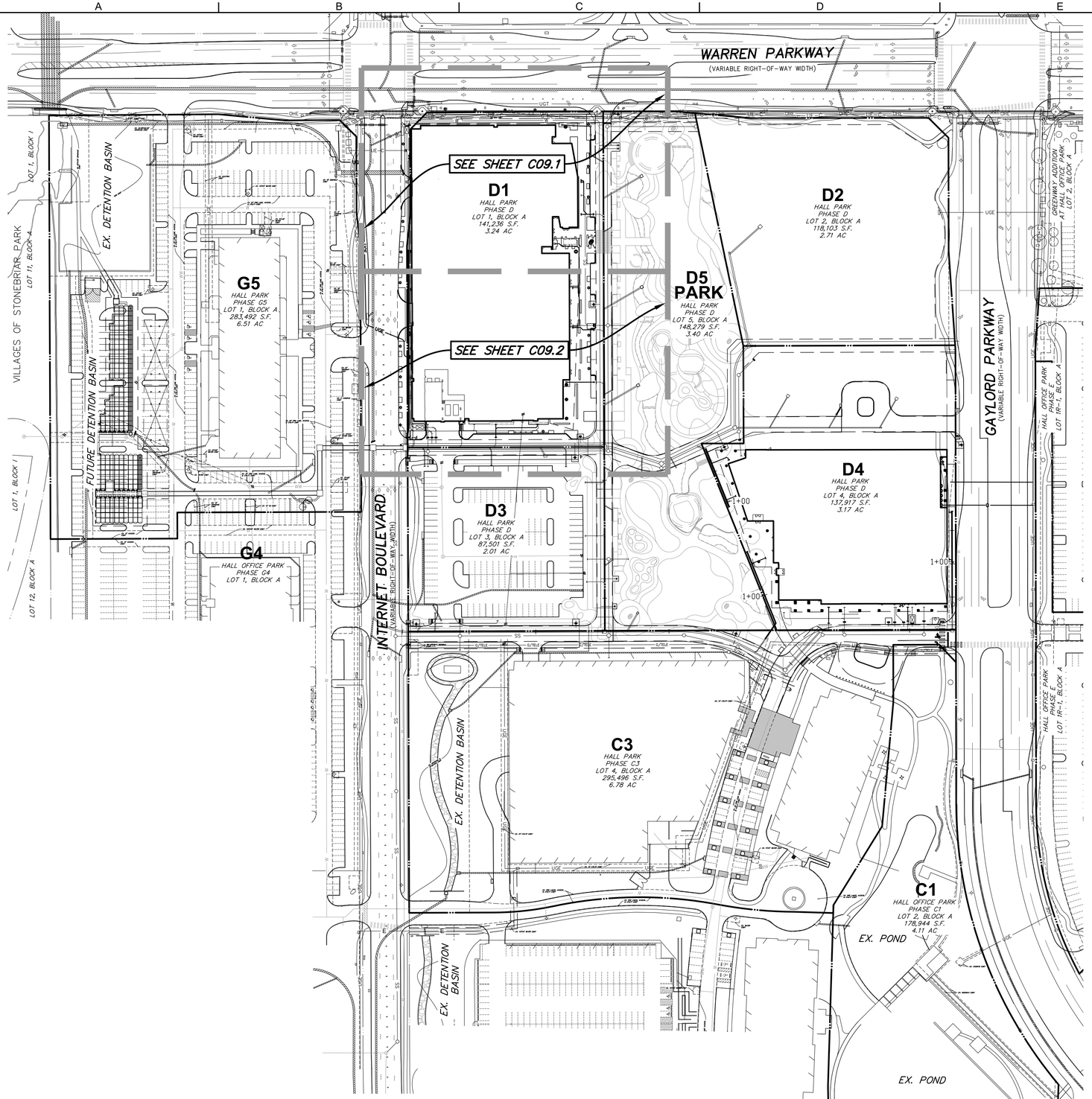

TOCS
1-800-245-4545
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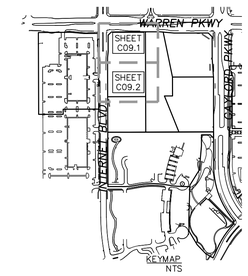
GRAPHIC SCALE

80 0 40 80

(IN FEET)
1 inch = 80 ft.



STORM SEWER NOTES:

1. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE CITY OF FRISCO STANDARDS AND SPECIFICATIONS, AND TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION FOR NORTH CENTRAL TEXAS PREPARED BY THE NORTH TEXAS COUNCIL OF GOVERNMENTS, LATEST EDITION AND THE CITY OF FRISCO ADDENDUM THERETO.
2. ADEQUATE DRAINAGE DURING CONSTRUCTION SHALL BE PROVIDED & MAINTAINED TO CONTROL SURFACE RUNOFF.
3. PRECAST STRUCTURES MAY BE USED AT CONTRACTOR'S OPTION.
4. CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING STORM SEWER STRUCTURES, PIPES, AND ALL UTILITIES PRIOR TO CONSTRUCTION.
5. EXISTING PIPES TO BE CLEANED OUT TO REMOVE ALL SILT AND DEBRIS.
6. ALL STORM PIPE ENTERING STRUCTURES SHALL BE GROUTED TO ASSURE CONNECTION AT STRUCTURE IS WATERTIGHT.
7. ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH PAVEMENT, AND SHALL HAVE TRAFFIC BEARING RING AND COVERS. LIDS SHALL BE LABELED "STORM SEWER."
8. ALL PIPES AND STRUCTURES IN STREET RIGHT-OF-WAY, OR EASEMENTS SHALL BE PER THE CITY OF FRISCO STANDARDS AND SPECIFICATIONS.
9. THE CONTRACTOR SHALL ADHERE TO ALL TERMS AND CONDITIONS AS OUTLINED IN THE EPA OR THE TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT NO. TXR 150000 FOR STORM WATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES FOR THE PROJECT.
10. ALL STORM STRUCTURES SHALL HAVE A SMOOTH, UNIFORM, POURED MORTAR INVERT FROM INVERT-IN TO INVERT-OUT.
11. CONTRACTOR IS RESPONSIBLE FOR REPAIRS OF DAMAGE TO ANY EXISTING IMPROVEMENTS DURING CONSTRUCTION, SUCH AS, BUT NOT LIMITED TO, DRAINAGE, UTILITIES, PAVEMENT, STRIPING, CURBS, ETC. REPAIRS SHALL BE EQUAL TO OR BETTER THAN EXISTING CONDITIONS.
12. REFER TO LANDSCAPE PLANS FOR ALL AREA DRAINS WITHIN COURTYARDS/DOG RUNS/LANDSCAPE AREAS FOR SPECIFICATIONS & ELEVATIONS.
13. ALL STORM LATERALS SHALL BE SLOPED AT 1% MIN, UNLESS OTHERWISE NOTED WITHIN THE STORM SEWER PLANS/PROFILES.
14. ADD RISERS TO STORM INLETS AS NEEDED TO ACHIEVE FINAL GRADE.
15. ALL STORM DRAIN LINES MUST BE VIDEOED BY THE CONTRACTOR AFTER THE PAVING WORK ABOVE THE PIPE IS COMPLETE. PLEASE CONFIRM THAT THERE IS ADEQUATE ACCESS.

NOTE:

CONTRACTOR HAS THE OPTION TO UTILIZE REINFORCED CONCRETE PIPE (RCP), REINFORCED CONCRETE PIPE (RCP), CORRUGATED POLYPROPYLENE PIPE (CPP), AND POLYVINYL CHLORIDE PIPE (PVC) THROUGHOUT THE DEVELOPMENT.

NO.	DATE	REVISION

TEL: 214.295.5775
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PREPARED UNDER THE SUPERVISION OF DOUGLAS E. BARRILLEAUX P.E.# 97518 ON 03/26/2021

PROJECT:

HALL PARK D1
3010 GAYLORD PARKWAY
FRISCO, COLLIN COUNTY, TEXAS
50% DESIGN DEVELOPMENT

SHEET TITLE:

OVERALL D1 STORM PLAN

CLIENT: HALL GROUP
DRAWN BY: DTE
DESIGNER: BTD
REVIEWER: DEB
U.S. PROJECT: 18566

SHEET
C09.0

FILE NAME: D1 STORM.DWG
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LAST MODIFIED ON: 3/25/2021 1:44 PM
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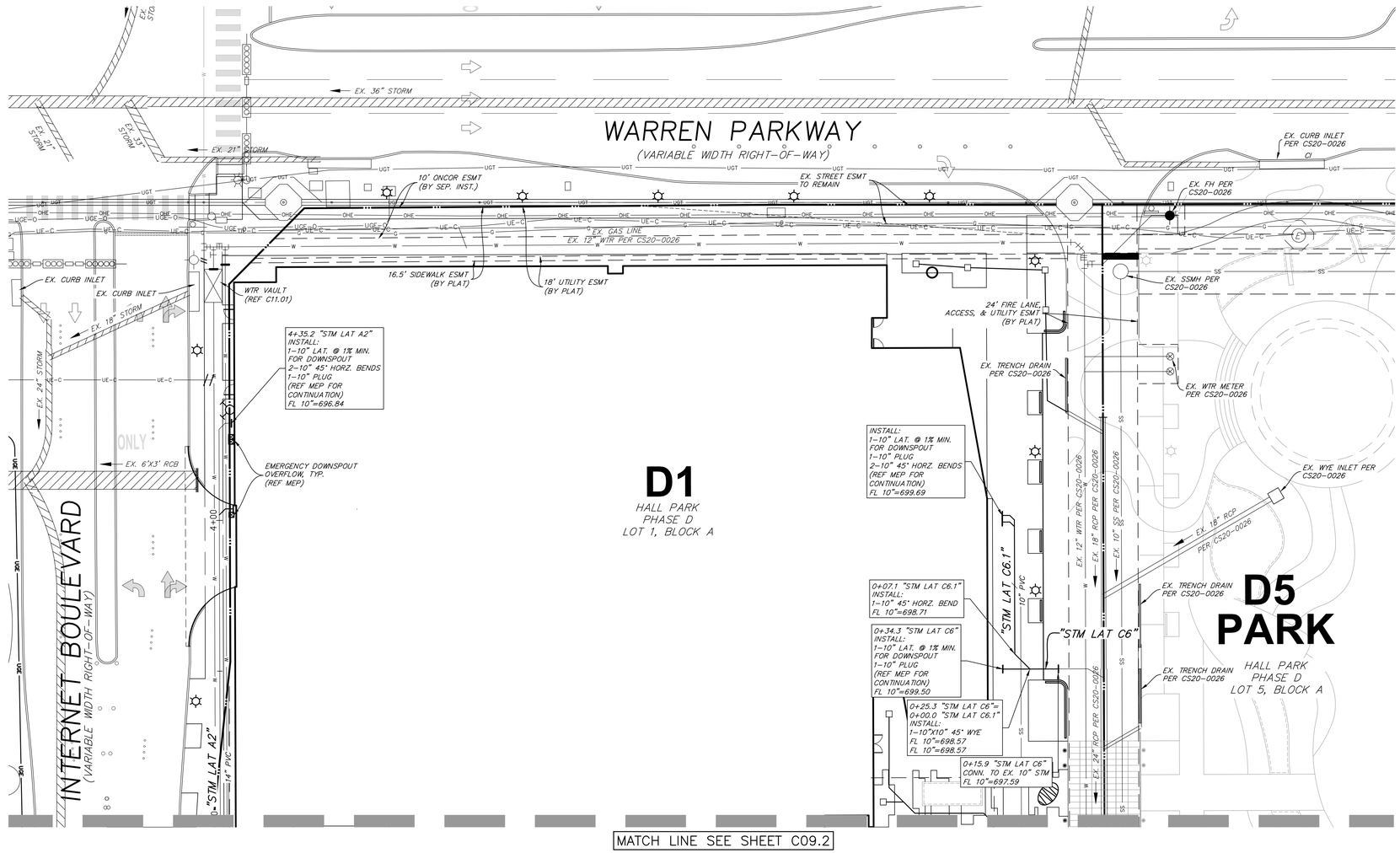

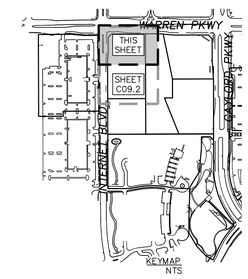

TOCS
1-800-245-4545
txticket@1-call.com

GRAPHIC SCALE
20 0 10 20
(IN FEET)
1 inch = 20 ft.

NOTES:

REFER TO SHEET C09.0 FOR STORM DRAINAGE NOTES

DRAINAGE LEGEND

- PROPERTY LINE
- EX. STORM
- EX. STORM PER CS20-0026
- PR. STORM
- G — EX. GAS LINE
- OHE — EX. OVERHEAD ELECTRIC
- UGE — EX. UNDERGROUND ELECTRIC
- W — EX. WATER
- SS — EX. SANITARY SEWER
- W — EX. WATER LINE PER CS20-0026
- SS — EX. SANITARY SEWER LINE PER CS20-0026
- LIMITS OF WATER FEATURE
- WI — EX. WYE INLET
- CI — EX. CURB INLET
- JB — EX. JUNCTION BOX PER CS20-0026
- S — EX. SSMH
- EX. SSMH PER CS20-0026
- EX. WATER METER PER CS20-0026
- WATER METER
- PR. WATER VAULT (REF C11 SHEETS)
- EX. FIRE HYDRANT
- EX. FIRE HYDRANT PER CS20-0026

NOTE:

CONTRACTOR HAS THE OPTION TO UTILIZE REINFORCED CONCRETE BOX (RCB), REINFORCED CONCRETE PIPE (RCP), CORRUGATED POLYPROPYLENE PIPE (CPP), AND POLYVINYL CHLORIDE PIPE (PVC) THROUGHOUT THE DEVELOPMENT.

NO.	DATE	REVISION

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PREPARED UNDER THE SUPERVISION OF DOUGLAS E. BARRILLEAUX P.E.# 97518 ON 03/26/2021

HALL PARK D1

3010 GAYLORD PARKWAY
FRISCO, COLLIN COUNTY, TEXAS
50% DESIGN DEVELOPMENT

STORM PLAN 1

PROJECT:

SHEET TITLE:

CLIENT: HALL GROUP
DRAWN BY: DTE
DESIGNER: BTD
REVIEWER: DEB
U.S. PROJECT: 18566

SHEET
C09.1

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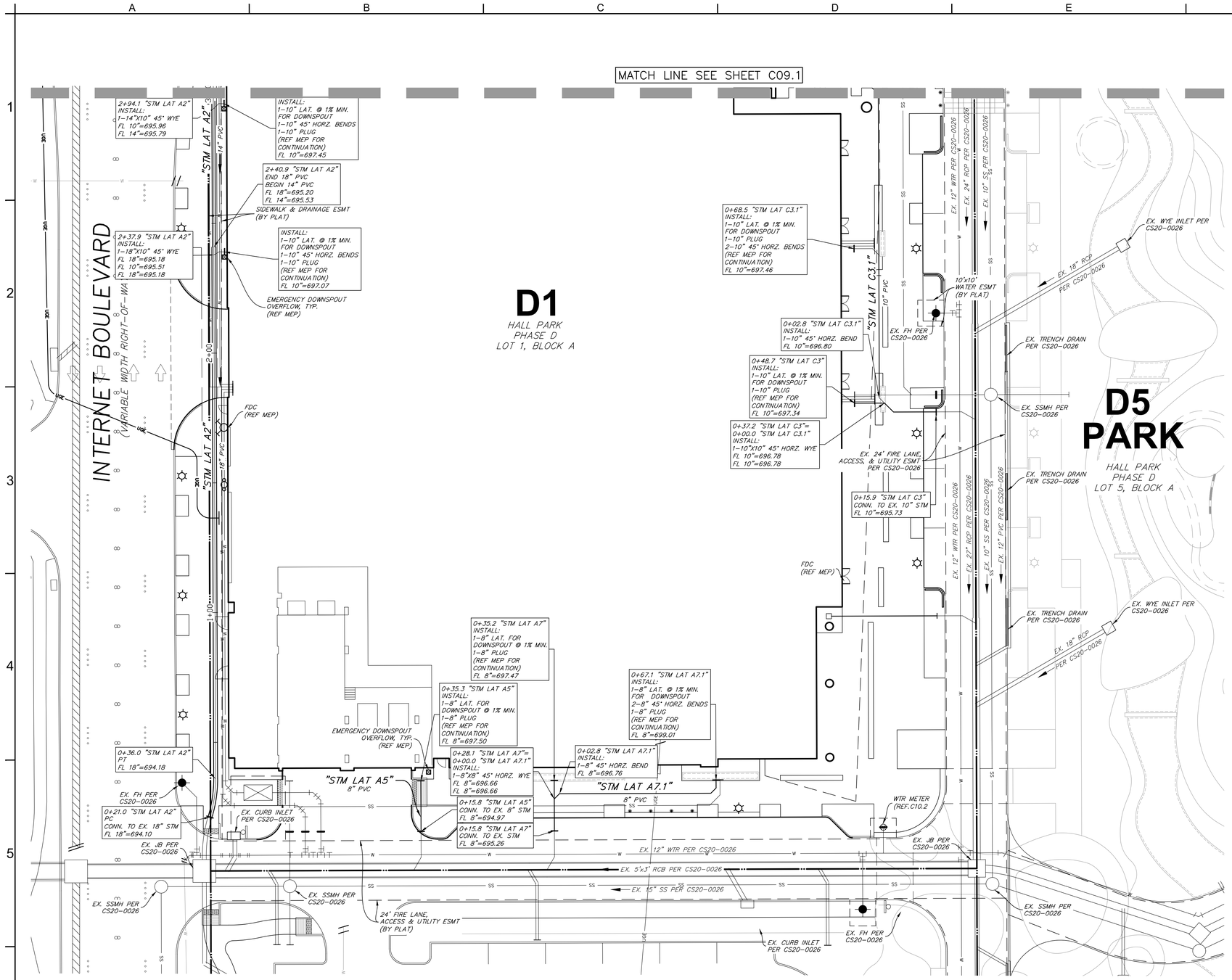

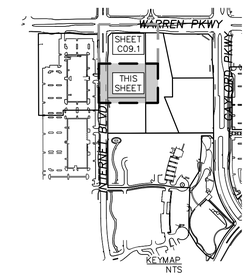

TOCS
1-800-245-4545
txticket@1-call.com

GRAPHIC SCALE
20 0 10 20
(IN FEET)
1 inch = 20 ft.

NOTES:

REFER TO SHEET C09.0 FOR STORM DRAINAGE NOTES

DRAINAGE LEGEND

- PROPERTY LINE
- EX. STORM
- EX. STORM PER CS20-0026
- PR. STORM
- EX. GAS LINE
- EX. OVERHEAD ELECTRIC
- EX. UNDERGROUND ELECTRIC
- EX. WATER
- EX. SANITARY SEWER
- EX. WATER LINE PER CS20-0026
- EX. SANITARY SEWER LINE PER CS20-0026
- LIMITS OF WATER FEATURE
- EX. WYE INLET
- EX. CURB INLET
- EX. JUNCTION BOX PER CS20-0026
- EX. SSMH
- EX. SSMH PER CS20-0026
- EX. WATER METER PER CS20-0026
- WATER METER
- PR. WATER VAULT (REF C11 SHEETS)
- EX. FIRE HYDRANT
- EX. FIRE HYDRANT PER CS20-0026

NOTE:

CONTRACTOR HAS THE OPTION TO UTILIZE REINFORCED CONCRETE BOX (RCB), REINFORCED CONCRETE PIPE (RCP), CORRUGATED POLYPROPYLENE PIPE (CPP), AND POLYVINYL CHLORIDE PIPE (PVC) THROUGHOUT THE DEVELOPMENT.

NO.	DATE	REVISION

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PREPARED UNDER THE SUPERVISION OF DOUGLAS E. BARRILLEAUX P.E.# 97518 ON 03/26/2021

HALL PARK D1

3010 GAYLORD PARKWAY
FRISCO, COLLIN COUNTY, TEXAS
50% DESIGN DEVELOPMENT

STORM PLAN 2

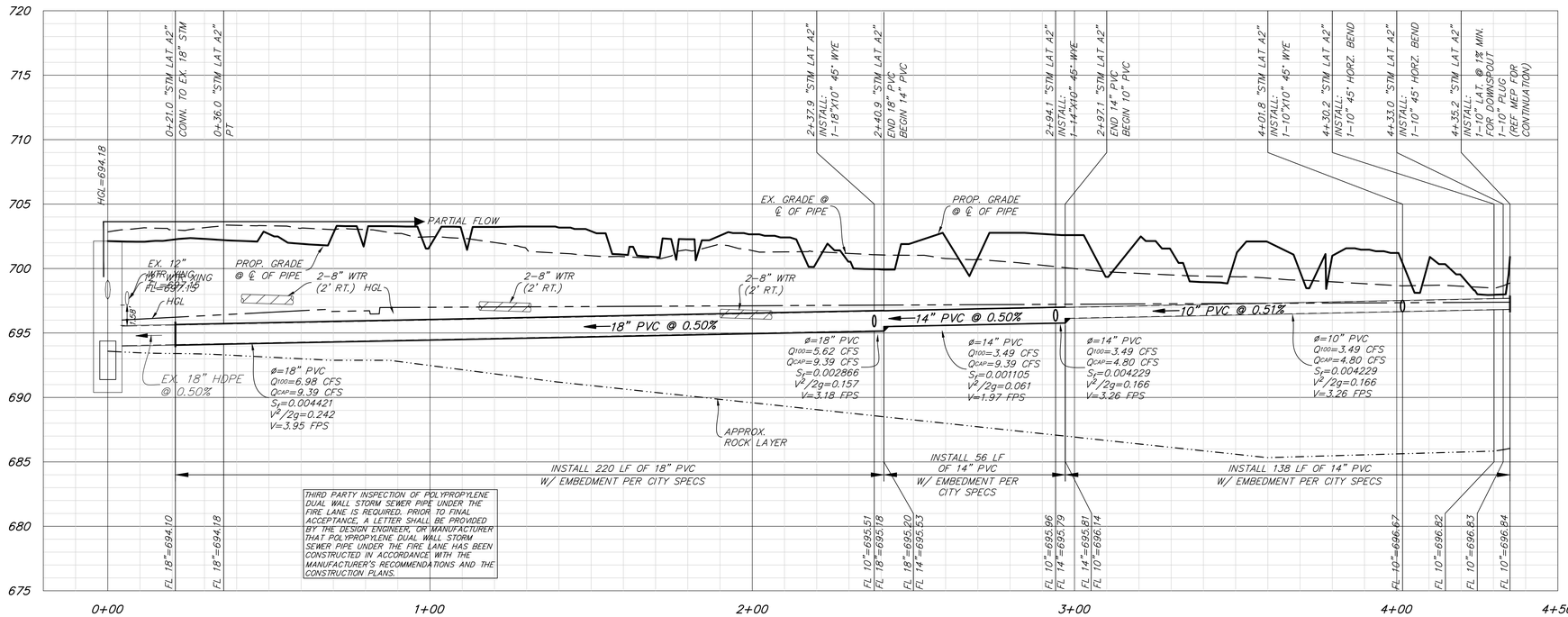
PROJECT:

SHEET TITLE:

CLIENT: HALL GROUP
DRAWN BY: DTE
DESIGNER: BTD
REVIEWER: DEB
U.S. PROJECT: 18566

SHEET
C09.2

FILE NAME: D1 STORM.DWG
FILE PATH: J:\18566 Hall Park\02\18566 Hall Park D1\ACAD\Working Files\D1 Construction Set\D1 STORM.dwg
LAST MODIFIED BY: DTERRY
LAST MODIFIED ON: 3/25/2021 1:44 PM
PLOTTED ON: 3/26/2021 4:30 PM



STM LAT A2

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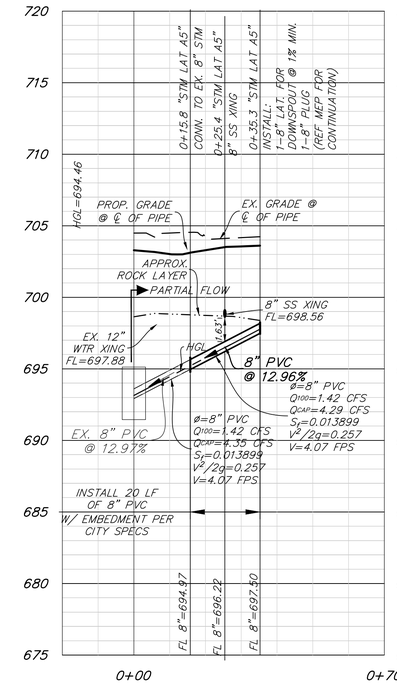
V: 1"=5'



STM LAT A5

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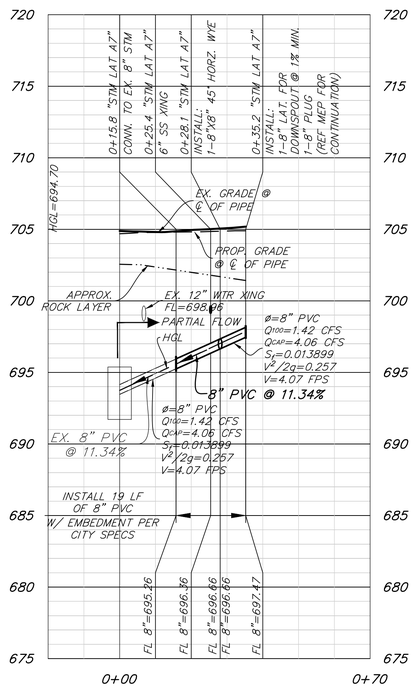

STM LAT A7

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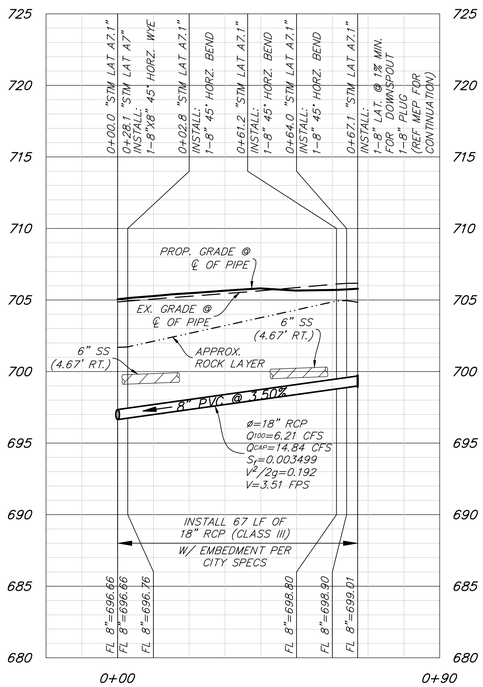

STM LAT A7.1

H: 1"=20'
V: 1"=5'

NO.	DATE	REVISION

TEL: 214.295.5775
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8140 Walnut Hill Lane, Suite 905
Dallas, Texas 75231
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PRELIMINARY

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PREPARED UNDER THE SUPERVISION OF DOUGLAS E. BARRILLEAUX P.E.# 97518 ON 03/26/2021

HALL PARK D1

3010 GAYLORD PARKWAY
FRISCO, COLLIN COUNTY, TEXAS
50% DESIGN DEVELOPMENT

STORM LATERALS A2, A5-A7.1

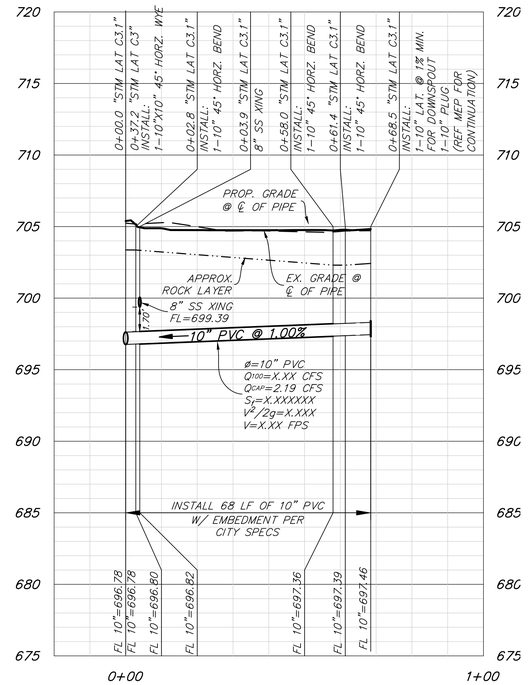
PROJECT:

CLIENT: HALL GROUP
DRAWN BY: DTE
DESIGNER: BTD
REVIEWER: DEB
U.S. PROJECT: 18566

SHEET TITLE:

SHEET
C09.3

FILE NAME: 01 STORM PROFS.DWG
LAST COMPLETED BY: DEB 3/25/2021 1:18:56 PM
LAST MODIFIED BY: DEB 3/25/2021 2:32 PM
LAST MODIFIED ON: 3/25/2021 4:14 PM
AUTOCAD VER: 2020 LANG: ENGLISH



STM LAT C3.1

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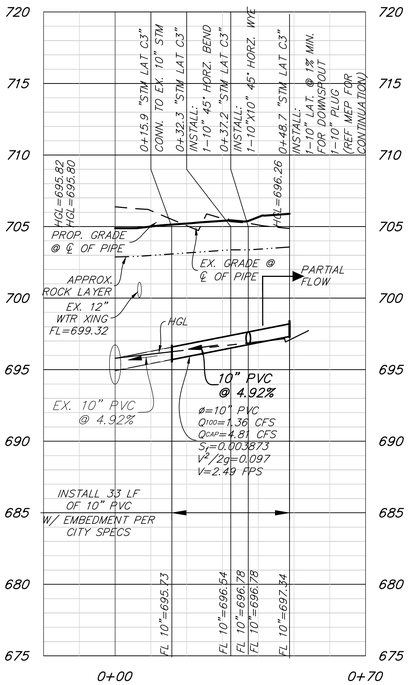
V: 1"=5'



STM LAT C3

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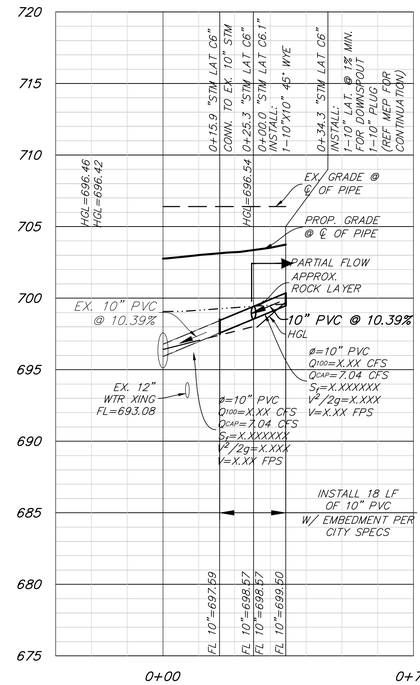
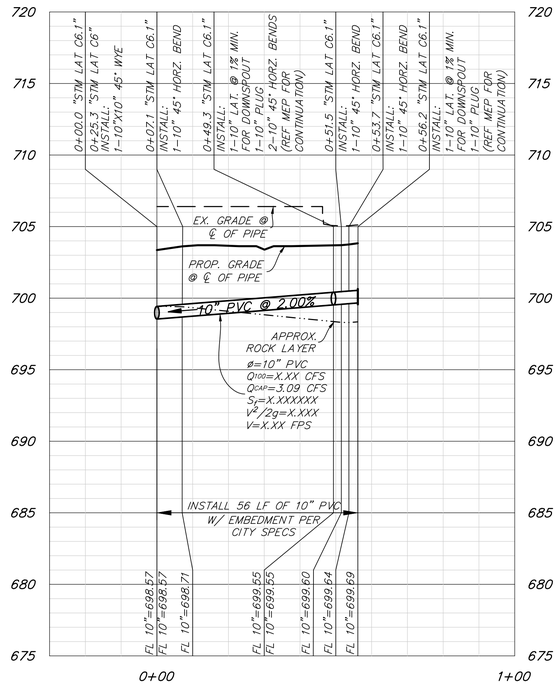


STM LAT C6

H: 1"=20'
V: 1"=5'



STM LAT C6.1

H: 1"=20'
V: 1"=5'

NO.	DATE	REVISION

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Dallas, Texas 75231
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PREPARED UNDER THE SUPERVISION OF DOUGLAS E. BARRILLEAUX P.E.# 97518 ON 03/26/2021

HALL PARK D1
3010 GAYLORD PARKWAY
FRISCO, COLLIN COUNTY, TEXAS
50% DESIGN DEVELOPMENT

PROJECT:

SHEET TITLE:

STORM LATERALS C2, C4, C5

CLIENT: HALL GROUP
DRAWN BY: DTE
DESIGNER: BTD
REVIEWER: DEB
U.S. PROJECT: 18566

SHEET
C09.4

FILE NAME: 01 STORM PROFS.DWG
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LAST MODIFIED BY: DEVPERRY
LAST MODIFIED ON: 3/25/2021 2:32 PM
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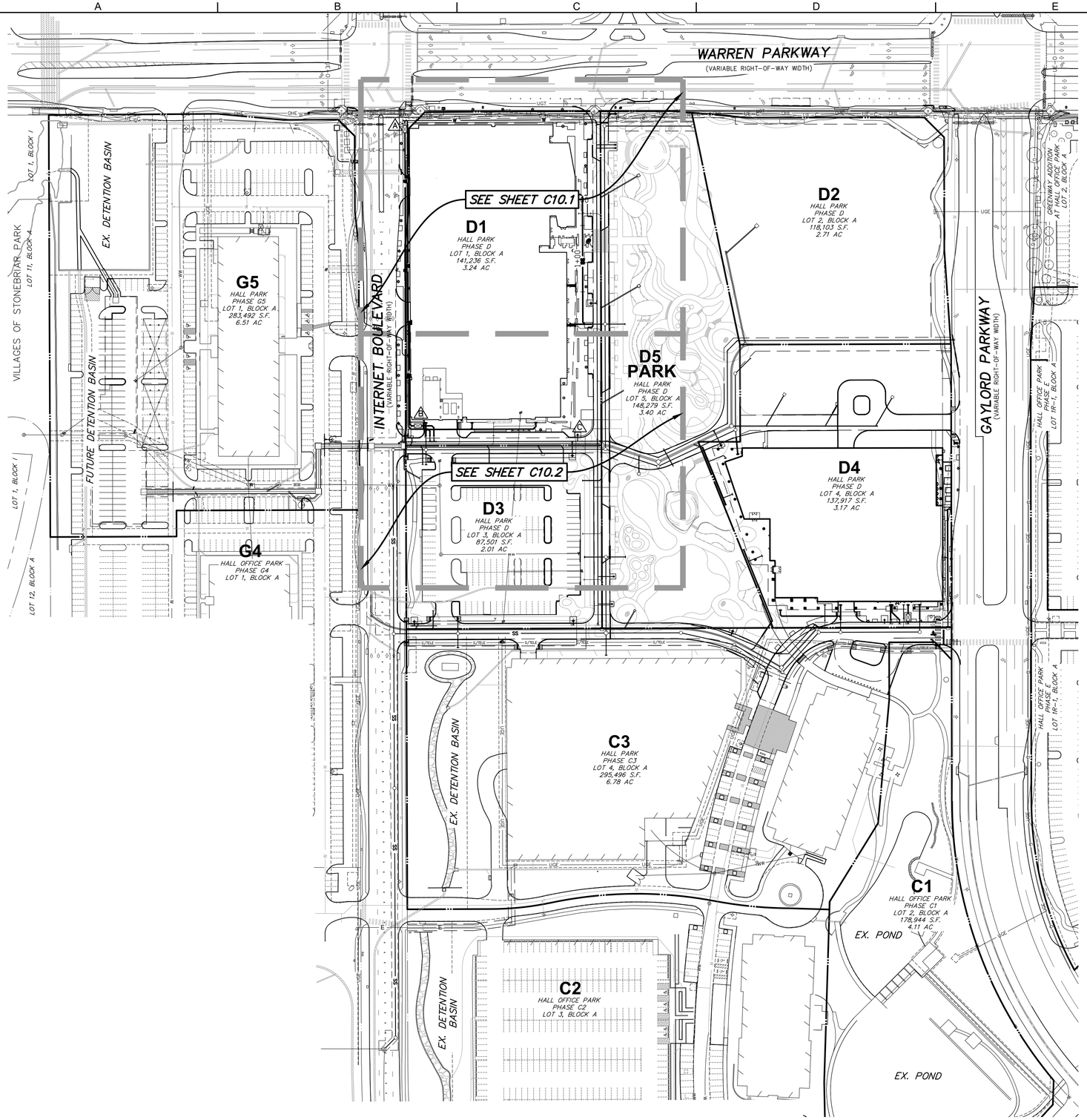

UTILITY LEGEND

PROPERTY LINE	EXISTING FIRE HYDRANT
EX. GAS LINE	PROPOSED FIRE HYDRANT
EX. OVERHEAD ELECTRIC	CUT & PLUG
EX. UNDERGROUND ELECTRIC	GRATE INLET
EX. WATER	CURB INLET
EX. SANITARY SEWER	JUNCTION BOX
PR. SANITARY SEWER	SIDEWALK
PR. WATER	BARRIER FREE RAMP
EX. STORM	EX. LIGHT POLE
PR. STORM	PR. LIGHT POLE
PR. GAS/TELEPHONE	PR. WATER METER
PR. UNDERGROUND ELECTRIC	PR. WATER METER VAULT
LIMITS OF WATER FEATURE	PR. FDC
EX. SSMH	
SSMH	

GRAPHIC SCALE

80 0 40 80

(IN FEET)
1 inch = 80 ft.

TOCS
1-800-245-4545
txticket@1-call.com

WATER METER SCHEDULE

I.D.	TYPE	SIZE	NO.
A	DOMESTIC	8"	1
B	DOMESTIC	8"	1
C	IRRIGATON	2"	1

UTILITY NOTES:

1. REFER TO LANDSCAPE PLANS FOR HARDSCAPE IMPROVEMENTS AND IRRIGATION SLEEVES CROSSING PAVED AREAS.
2. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE CITY OF FRISCO STANDARDS AND SPECIFICATIONS, AND TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION FOR NORTH CENTRAL TEXAS PREPARED BY THE NORTH TEXAS COUNCIL OF GOVERNMENTS, LATEST EDITION.
3. ALL WATER MAINS SHALL BE AWWA C-900 DR-18 PVC WATER PIPE.
4. ALL 6" THROUGH 15" WASTEWATER MAINS WHERE PVC PIPE IS USED SHALL BE ASTM 3034 (SDR-26), UNLESS OTHERWISE SPECIFIED.
5. THE MAXIMUM ALLOWABLE TRENCH WIDTH FOR ALL PIPE THROUGH 12" DIAMETER SHALL BE 32".
6. ALL FILL MATERIAL IS TO BE IN PLACE, AND COMPACTED TO 95% COMPACTION WITH A MOISTURE CONTENT OF +3% OR HIGHER BEFORE INSTALLATION OF PROPOSED UTILITIES.
7. CONTRACTOR SHALL NOTIFY THE UTILITY AUTHORITIES INSPECTORS 72 HOURS BEFORE CONNECTING TO ANY EXISTING LINE.
8. PRIVATE WATER LINES SHALL BE AS FOLLOWS:
   6" AND LARGER, PVC C-900 PER ASTM D 2241 CLASS 200
   6" AND LARGER DUCTILE IRON PIPE PER AWWA C150
   SMALLER THAN 6" EITHER COPPER TUBE TYPE "L" (SOFT) PER ANSI 816.22 OR PVC, 200 P.S.I., PER ASTM D1784 AND D2241.
9. ALL WATER JOINTS ARE TO BE MECHANICAL JOINTS WITH MEGA-LUGS OR APPROVED EQUIVALENT WITH THRUST BLOCKING AS CALLED OUT IN SPECIFICATIONS.
10. ALL UTILITIES SHOULD BE KEPT TEN (10') APART (PARALLEL) OR WHEN CROSSING 18" VERTICAL CLEARANCE (OUTSIDE EDGE OF PIPE TO OUTSIDE EDGE OF PIPE). PROVIDE CEMENT STABILIZED SOIL AT CROSSING LOCATIONS.
11. CONTRACTOR SHALL MAINTAIN A MINIMUM OF 2'-5" COVER ON ALL WATERLINES ON PROPERTY AND A MINIMUM OF 4'-0" COVER IN PUBLIC R/W.
12. IN THE EVENT OF A VERTICAL CONFLICT BETWEEN WATER LINES, SANITARY LINES, STORM LINES AND GAS LINES (EXISTING AND PROPOSED), THE SANITARY LINE SHALL BE DUCTILE IRON PIPE WITH MECHANICAL JOINTS AT LEAST 10 FEET ON BOTH SIDES OF CROSSING, THE WATER LINE SHALL HAVE MECHANICAL JOINTS WITH APPROPRIATE THRUST BLOCKING AS REQUIRED TO PROVIDE A MINIMUM OF 18" CLEARANCE. MEETING REQUIREMENTS OF ANSI A21.10 OR ANSI 21.11 (AWWA C-151) (CLASS 50). PROVIDE CEMENT STABILIZED SOIL AT CROSSING LOCATIONS.
13. LINES UNDERGROUND SHALL BE INSTALLED, INSPECTED AND APPROVED BEFORE BACKFILLING.
14. ALL CONCRETE FOR ENCASEMENTS SHALL HAVE A MINIMUM 28 DAY COMPRESSION STRENGTH AT 3000 P.S.I.
15. EXISTING UTILITIES SHALL BE VERIFIED IN FIELD PRIOR TO INSTALLATION OF ANY NEW LINES.
16. REFER TO INTERIOR PLUMBING DRAWINGS FOR TIE-IN OF ALL UTILITIES.
17. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
18. CONTRACTOR IS RESPONSIBLE FOR ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES AND/OR UTILITY SERVICE COMPANIES. THIS AND THE FINAL CONNECTIONS OF THE SERVICE SHALL BE COMPLETED 30 DAYS PRIOR TO STORE POSSESSION.
19. CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES FOR INSTALLATION REQUIREMENTS AND SPECIFICATIONS.
20. REFER TO BUILDING PLANS FOR SITE LIGHTING ELECTRICAL PLAN.
21. CONTRACTOR TO ADJUST ALL APPURTENANCES TO THEIR FINAL GRADE.
22. FIRE WATER LINE TO HAVE RPZ LOCATED INSIDE RISER ROOM/WATER CLOSET.
23. PROPOSED PLUMBING SHOWN ON PRIVATE PROPERTY IS NOT REVIEWED AND/OR APPROVED WITH THIS SITE PLAN SUBMITTAL. ALL PLUMBING ON PRIVATE PROPERTY WILL BE REVIEWED AND APPROVED DURING THE BUILDING PERMIT REVIEW.
24. REFER TO MEP PLANS FOR LOCATION AND SPECIFICATIONS OF RPZ, WHICH IS TO BE LOCATED INSIDE THE BUILDING.
25. FRANCHISE UTILITIES SHOULD BE 4' LATERALLY FROM CITY WET UTILITIES. CROSSING SHOULD BE AT 90 DEGREES AND WHEN THE CITY UTILITY IS LESS THAN 8' DEEP, AT LEAST 18" BELOW THE CITY UTILITY. DISTANCES INCLUDE MAINS, LATERALS, SERVICES, AND LEADS.

NO.	DATE	REVISION

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PREPARED UNDER THE SUPERVISION OF DOUGLAS E. BARRILLEAUX P.E.# 97518 ON 03/26/2021

HALL PARK D1

3010 GAYLORD PARKWAY
FRISCO, COLLIN COUNTY, TEXAS
50% DESIGN DEVELOPMENT

OVERALL WATER & SANITARY SEWER PLAN

PROJECT:

SHEET TITLE:

CLIENT: HALL GROUP
DRAWN BY: DTE
DESIGNER: BTD
REVIEWER: DEB
U.S. PROJECT: 18566

SHEET
C10.0

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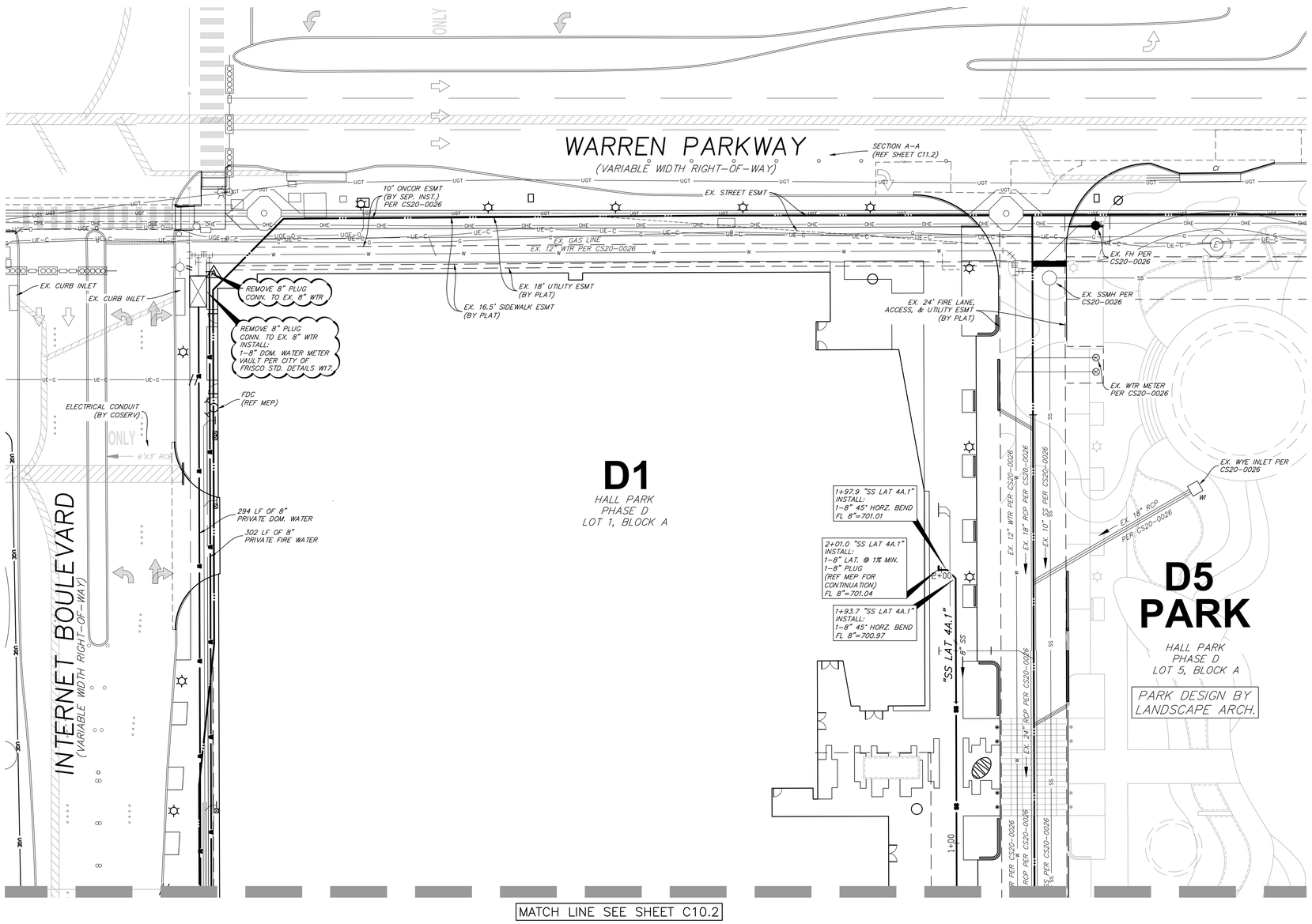
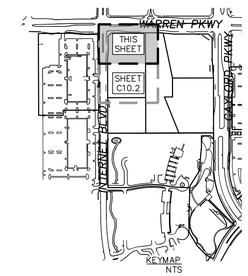
LAST MODIFIED ON: 3/25/2021 1:57 PM
PLOTTED ON: 3/26/2021 1:57 PM





TOCS
1-800-245-4545
txticket@1-call.com

GRAPHIC SCALE

20 0 10 20

(IN FEET)
1 inch = 20 ft.

NOTES:

REFER TO SHEET C10.0 FOR WATER & SANITARY SEWER NOTES

UTILITY LEGEND

PROPERTY LINE	EXISTING FIRE HYDRANT
EX. GAS LINE	PROPOSED FIRE HYDRANT
EX. OVERHEAD ELECTRIC	CUT & PLUG
EX. UNDERGROUND ELECTRIC	GRATE INLET
EX. WATER	CURB INLET
EX. SANITARY SEWER	JUNCTION BOX
PR. SANITARY SEWER	SIDEWALK
PR. WATER	BARRIER FREE RAMP
EX. STORM	EX. LIGHT POLE
PR. STORM	PR. LIGHT POLE
PR. GAS/TELEPHONE	PR. WATER METER
PR. UNDERGROUND ELECTRIC	PR. WATER METER VAULT
LIMITS OF WATER FEATURE	PR. FDC
EX. SSMH	
SSMH	

WATER METER SCHEDULE

I.D.	TYPE	SIZE	NO.
A	DOMESTIC	8"	1

REVISION | DATE | NO.

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HALL PARK D1
3010 GAYLORD PARKWAY
FRISCO, COLLIN COUNTY, TEXAS
50% DESIGN DEVELOPMENT

WATER & SANITARY SEWER PLAN 1

PROJECT:

SHEET TITLE:

CLIENT: HALL GROUP
DRAWN BY: DTE
DESIGNER: BTD
REVIEWER: DEB
U.S. PROJECT: 18556

SHEET
C10.1

FILE NAME: D1 WATER.DWG
FILE PATH: J:\2018\18556\02\18\18556 Hall Park D1\ACAD\Working Plans\D1 Construction Set\D1 WATER.dwg
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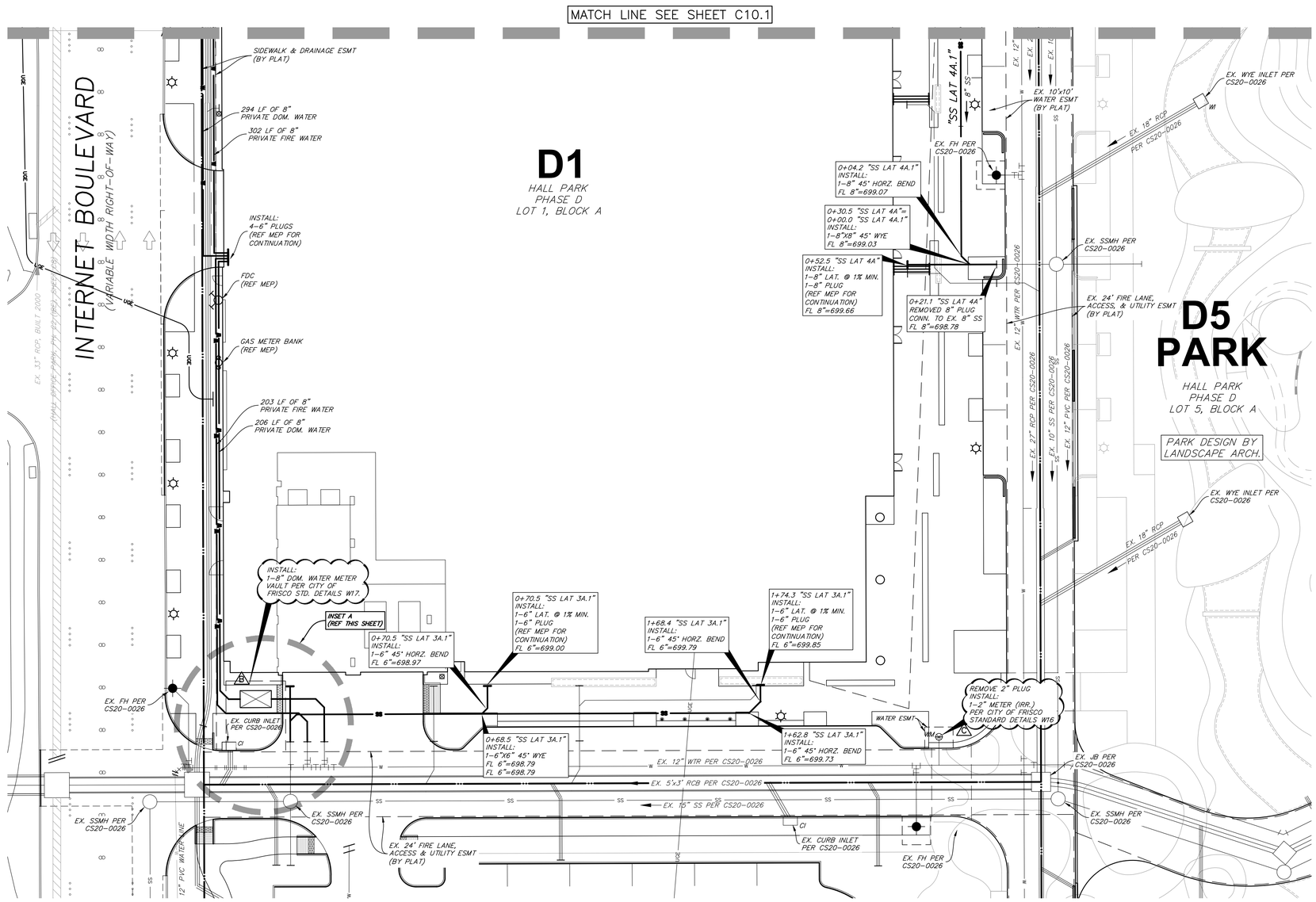
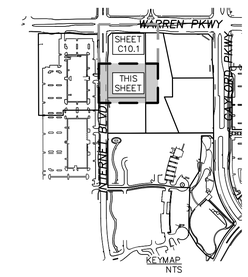
LAST MODIFIED ON: 3/25/2021 1:51 PM
PLOTTED ON: 3/26/2021 9:00 PM



TOCS
1-800-245-4545
txticket@1-call.com



WATER METER SCHEDULE

I.D.	TYPE	SIZE	NO.
B	DOMESTIC	8"	1
C	IRRIGATON	2"	1

GRAPHIC SCALE

20 0 10 20

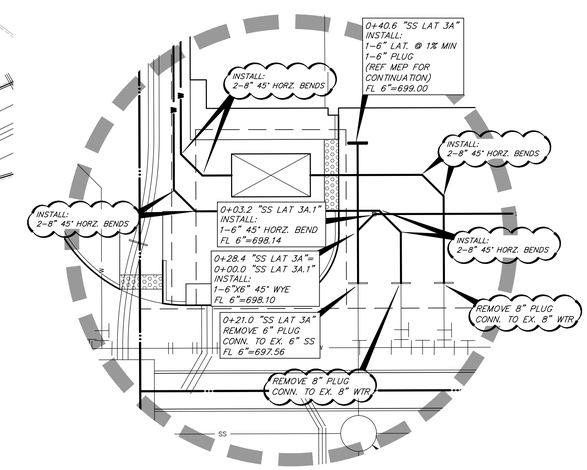
(IN FEET)
1 inch = 20 ft.

NOTES:

REFER TO SHEET C10.0 FOR WATER & SANITARY SEWER NOTES

UTILITY LEGEND

- PROPERTY LINE
- EX. GAS LINE
- EX. OVERHEAD ELECTRIC
- EX. UNDERGROUND ELECTRIC
- EX. WATER
- EX. SANITARY SEWER
- PR. SANITARY SEWER
- PR. WATER
- EX. STORM
- PR. STORM
- PR. GAS/TELEPHONE
- PR. UNDERGROUND ELECTRIC
- LIMITS OF WATER FEATURE
- EX. SSMH
- SSMH
- EXISTING FIRE HYDRANT
- PROPOSED FIRE HYDRANT
- CUT & PLUG
- GRATE INLET
- CURB INLET
- JUNCTION BOX
- SW SIDEWALK
- BFR BARRIER FREE RAMP
- EX. LIGHT POLE
- PR. LIGHT POLE
- PR. WATER METER
- PR. WATER METER VAULT
- PR. FDC



INSET A
(THIS SHEET)
SCALE: 1"=10'

NO.	DATE	REVISION

TEL: 214.295.5775
URBAN STRUCTURE
8140 Walnut Hill Lane, Suite 905
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PREPARED UNDER THE SUPERVISION OF DOUGLAS E. BARRILLEAUX P.E.# 97518 ON 03/26/2021

HALL PARK D1

3010 GAYLORD PARKWAY
FRISCO, COLLIN COUNTY, TEXAS
50% DESIGN DEVELOPMENT

WATER & SANITARY SEWER PLAN 2

PROJECT:

SHEET TITLE:

CLIENT: HALL GROUP
DRAWN BY: DTE
DESIGNER: BTD
REVIEWER: DEB
U.S. PROJECT: 18556

SHEET
C10.2

FILE NAME: D1 WATER.DWG
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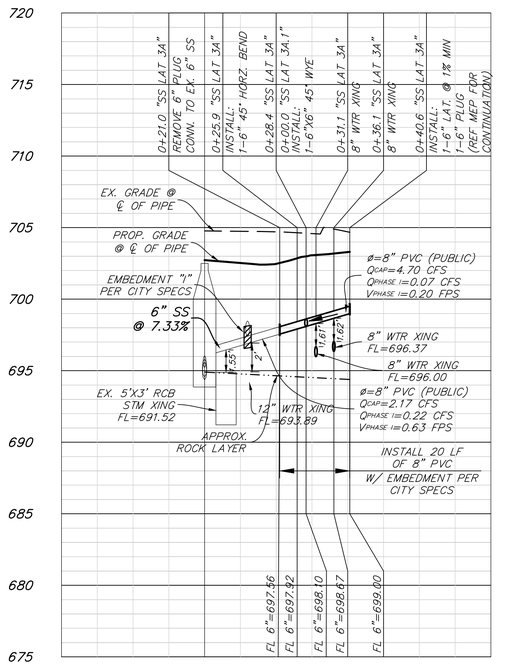
LAST MODIFIED ON: 3/25/2021 1:51 PM
PLOTTED ON: 3/26/2021 1:00 PM



SS LAT 3A

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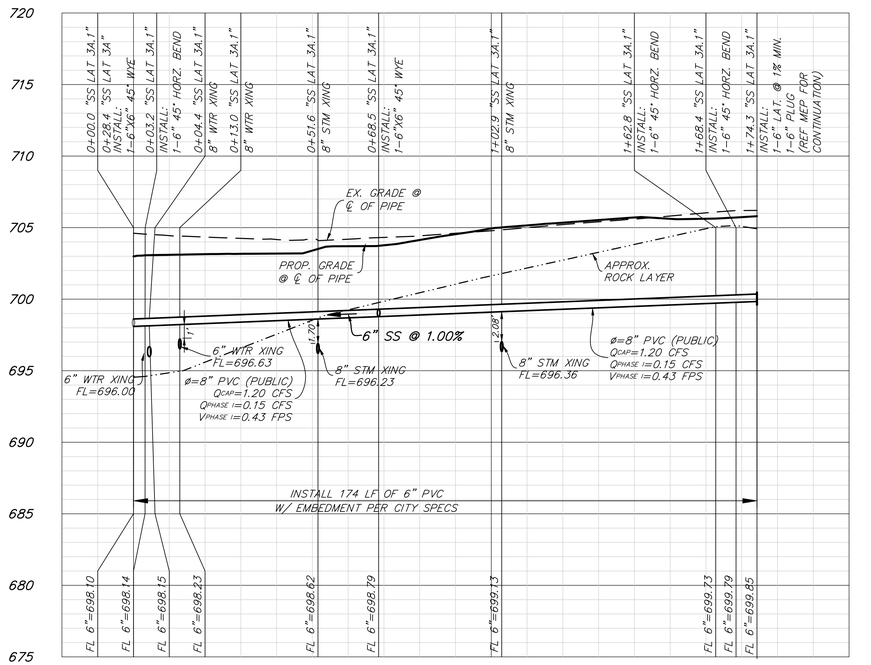
V: 1"=5'



SS LAT 3A.1

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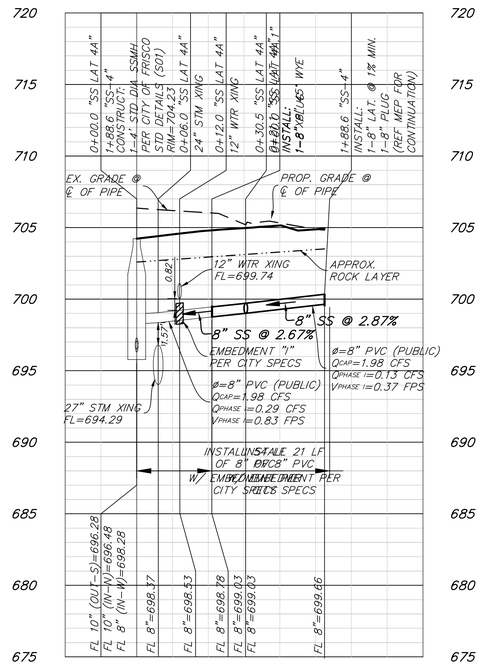
V: 1"=5'



SS LAT 4A

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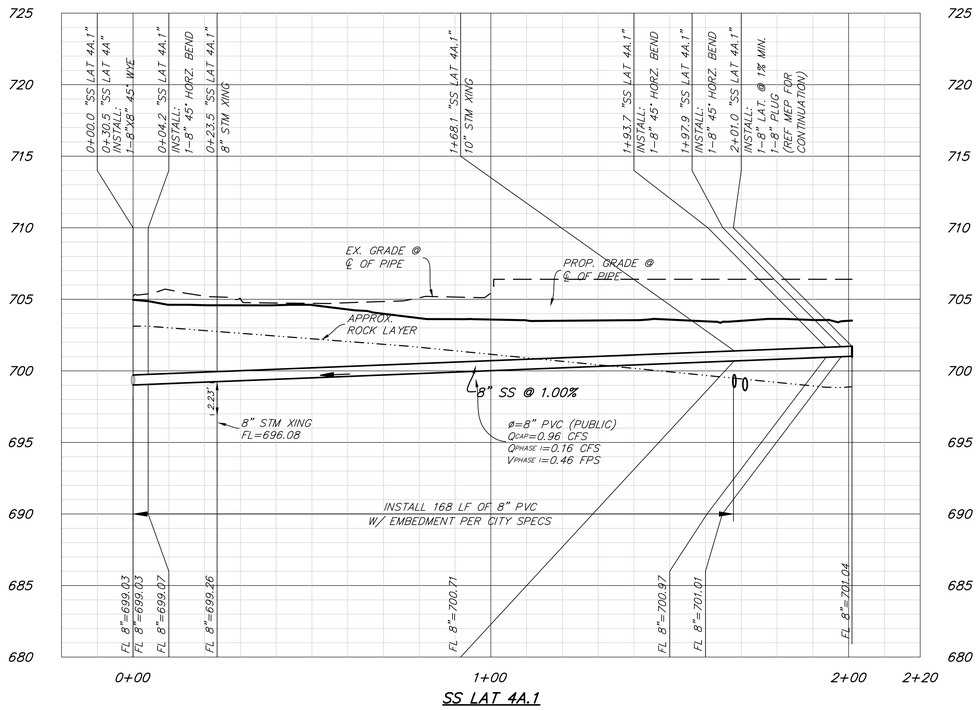
V: 1"=5'



SS LAT 4A.1

H: 1"=20'
V: 1"=5'

NO.	DATE	REVISION

TEL: 214.295.5775

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Dallas, Texas 75231
Firm Registration #F-3165
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PREPARED UNDER THE SUPERVISION OF DOUGLAS E. BARRILLEAUX P.E.# 97518 ON 03/26/2021

HALL PARK D1
3010 GAYLORD PARKWAY
FRISCO, COLLIN COUNTY, TEXAS
50% DESIGN DEVELOPMENT

SANITARY SEWER LATS. 3A, 3A.1, 4A, & 4A.1

PROJECT:

SHEET TITLE:

CLIENT: HALL GROUP
DRAWN BY: DTE
DESIGNER: BTD
REVIEWER: DEB
U.S. PROJECT: 18566

SHEET
C10.3

FILE NAME: 01 SANSEW PROFS.DWG
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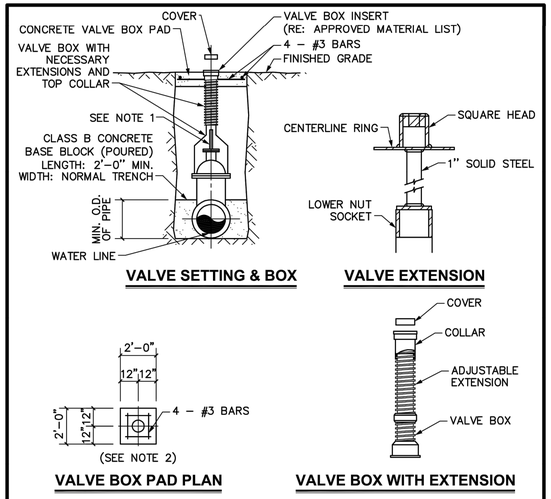
LAST MODIFIED ON: 3/25/2021 3:47 PM
LAYOUT: SS LAT 3A, 3A.1, 4A, 4A.1

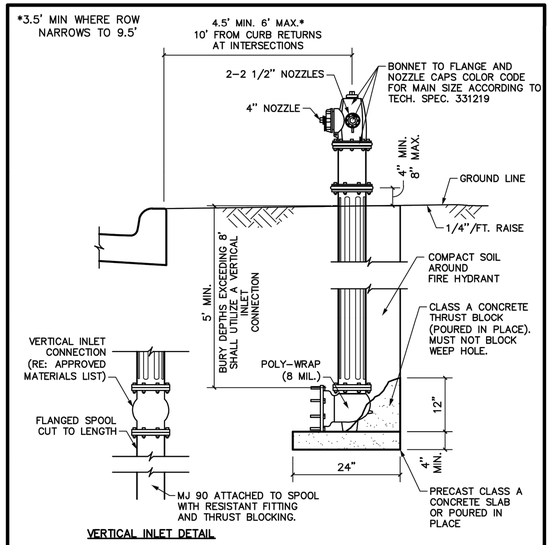


NOTES:

1. A VALVE EXTENSION STEM SHALL BE REQUIRED FOR ANY VALVE WHOSE OPERATING NUT IS LOCATED IN EXCESS OF 4' BELOW THE TOP OF VALVE BOX. THIS EXTENSION SHALL BE OF SUFFICIENT LENGTH TO INSURE THAT ITS TOP IS WITHIN 2' OF THE VALVE BOX COVER.
2. CONCRETE PAD 24" SQUARE SHALL BE POURED AROUND ALL VALVE BOXES NOT PLACED WITHIN CONCRETE PAVEMENT. CLASS A CONCRETE, 6" THICK.
3. REFER TO TECHNICAL SPECIFICATION 331217.

FRISCO PROGRESS IN MOTION. | STANDARD CONSTRUCTION DETAIL | SCALE: 1/4"=1'-0" | REVISED: AUG 2020

GATE VALVE | W07

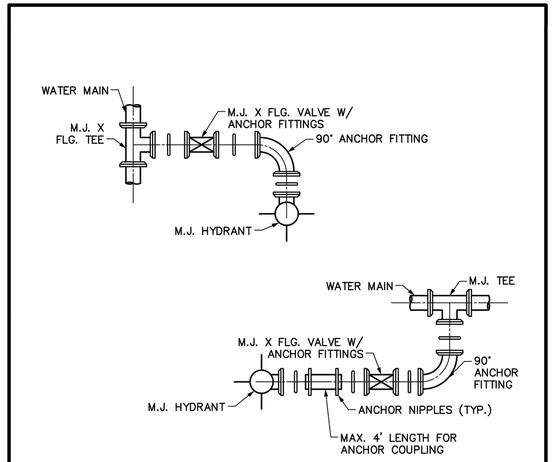


NOTES:

1. A BLUE STEMSONITE (OR APPROVED OTHER) MODEL 88–SSA FIRE HYDRANT MARKER WILL BE INSTALLED OPPOSITE FIRE HYDRANTS JUST OFF CENTER TO THE SIDE OF THE STREET ADJACENT TO THE HYDRANT.
2. CONTRACTOR SHALL UTILIZE VERTICAL INLET CONNECTION WHEN BURY DEPTHS EXCEED EIGHT (8) FEET.
3. NO MORE THAN 1 EXTENSION IS ALLOWED PER ASSEMBLY AND IS LIMITED TO 3'.

FRISCO PROGRESS IN MOTION. | STANDARD CONSTRUCTION DETAIL | SCALE: 3/4"=1'-0" | REVISED: AUG 2020

FIRE HYDRANT | W12

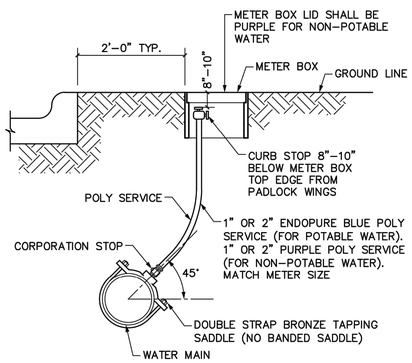


NOTES:

1. ALL FIRE HYDRANTS MUST BE ANCHORED TO MAIN BY USE OF ANCHOR FITTINGS.
2. ANCHOR TEES ALLOWED.
3. REFER TO TECHNICAL SPECIFICATION 331219 FIRE HYDRANTS.

FRISCO PROGRESS IN MOTION. | STANDARD CONSTRUCTION DETAILS | SCALE: 1/8"=1'-0" | REVISED: AUG 2020

FIRE HYDRANT INSTALLATION | W13

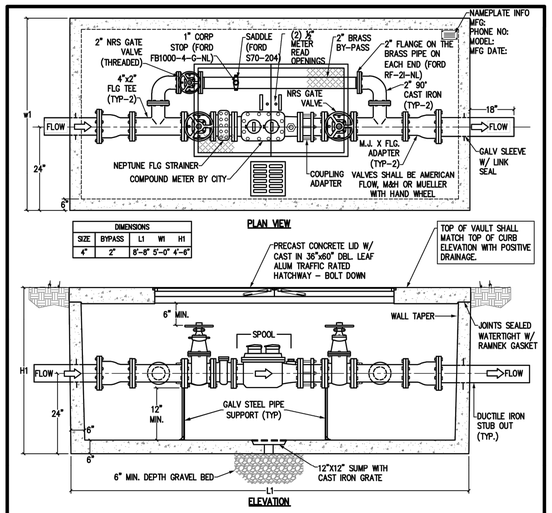


NOTES:

1. WATER SERVICES SHALL NOT BE CONNECTED TO FIRE HYDRANT LINES OR TO FIRE SERVICE MAINS.
2. METER BOX SHALL BE LOCATED OUT OF ALL FLATWORK, SIDEWALKS AND APPROACHES.
3. REFER TO TECHNICAL SPECIFICATION 331213 WATER SERVICE CONNECTIONS.
4. TRACER WIRE MUST BE OUT OF GROUND AND WRAPPED ON CURB STOP.

FRISCO PROGRESS IN MOTION. | STANDARD CONSTRUCTION DETAIL | SCALE: 3/4"=1'-0" | REVISED: AUG 2020

TYPICAL SERVICE CONNECTION | W16

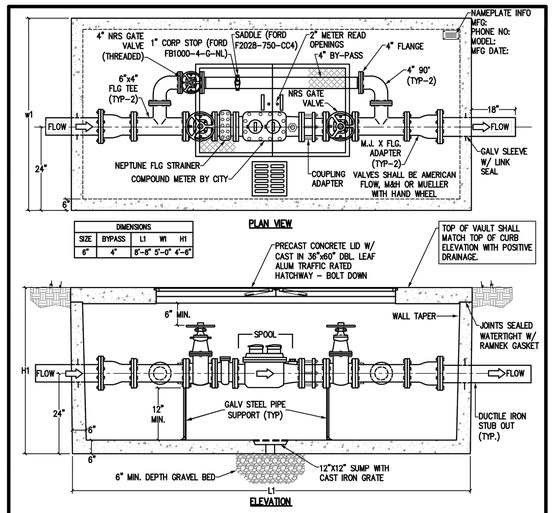


NOTES:

1. UNIT OF MONOLITHIC CONSTRUCTION AT FLOOR AND FIRST STAGE OF WALL WITH SECTIONAL RISER TO REQUIRED DEPTH.
2. REINFORCEMENT: GRADE 60 REINFORCED. STEEL BAR CONFORMING TO ASTM A615 ON REQUIRED CENTERS OR EQUAL.
3. HATCHWAY: 3' X 5' ALUMINUM HATCH DOUBLE LEAF SPRING ASSISTED AUTO–LOCKING 316 STAINLESS STEEL WITH RELEASE HANDLE. HATCHWAY SHALL BE TRAFFIC RATED.
4. PRE–CAST VAULT AND INTERNAL PARTS SHALL BE FROM THE APPROVED MATERIALS LIST.
5. PIPE FITTINGS SHALL BE DUCTILE IRON UNLESS OTHERWISE SPECIFIED.
6. MINIMUM 6" WATER LINE OFF THE WATER MAIN WITH MINIMUM 6" GATE VALVE PRIOR TO REDUCING IN SIZE. LINE REDUCTION REDUCER SHALL BE PLACED ON THE VAULT STUBOUT PIPING.

FRISCO PROGRESS IN MOTION. | STANDARD CONSTRUCTION DETAIL | SCALE: N.T.S. | REVISED: AUG 2020

DOMESTIC 4" WATER METER VAULT | W18



NOTES:

1. UNIT OF MONOLITHIC CONSTRUCTION AT FLOOR AND FIRST STAGE OF WALL WITH SECTIONAL RISER TO REQUIRED DEPTH.
2. REINFORCEMENT: GRADE 60 REINFORCED. STEEL BAR CONFORMING TO ASTM A615 ON REQUIRED CENTERS OR EQUAL.
3. HATCHWAY: 3' X 5' ALUMINUM HATCH DOUBLE LEAF SPRING ASSISTED AUTO–LOCKING 316 STAINLESS STEEL WITH RELEASE HANDLE. HATCHWAY SHALL BE TRAFFIC RATED.
4. PRE–CAST VAULT AND INTERNAL PARTS SHALL BE FROM THE APPROVED MATERIALS LIST.
5. PIPE FITTINGS SHALL BE DUCTILE IRON UNLESS OTHERWISE SPECIFIED.
6. MINIMUM 6" WATER LINE OFF THE WATER MAIN WITH MINIMUM 6" GATE VALVE PRIOR TO REDUCING IN SIZE. LINE REDUCTION REDUCER SHALL BE PLACED ON THE VAULT STUBOUT PIPING.

FRISCO PROGRESS IN MOTION. | STANDARD CONSTRUCTION DETAIL | SCALE: N.T.S. | REVISED: AUG 2020

DOMESTIC 6" WATER METER VAULT | W19

NO.	DATE	REVISION

TEL: 214.295.5775
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Firm Registration #F-3195
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PREPARED UNDER THE SUPERVISION OF DOUGLAS E. BARRILLEAUX P.E.# 97518 ON 03/26/2021

HALL PARK D1
3010 GAYLORD PARKWAY
FRISCO, COLLIN COUNTY, TEXAS
50% DESIGN DEVELOPMENT

CITY OF FRISCO WATER DETAILS

PROJECT:

SHEET TITLE:

CLIENT: HALL GROUP
DRAWN BY: DTE
DESIGNER: BTD
REVIEWER: DEB
U.S. PROJECT: 18566

SHEET
C10.4

FILE NAME: J:\ WATER & SEWER DETAILS.DWG
FILE LOCATION: J:\Civil 3D Projects\2018\18566 Hall Park D1\ACAD\Working Files\D1 Construction Set\D1 WATER & SEWER DETAILS.dwg
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LAST MODIFIED ON: 2/11/2021 4:42 PM
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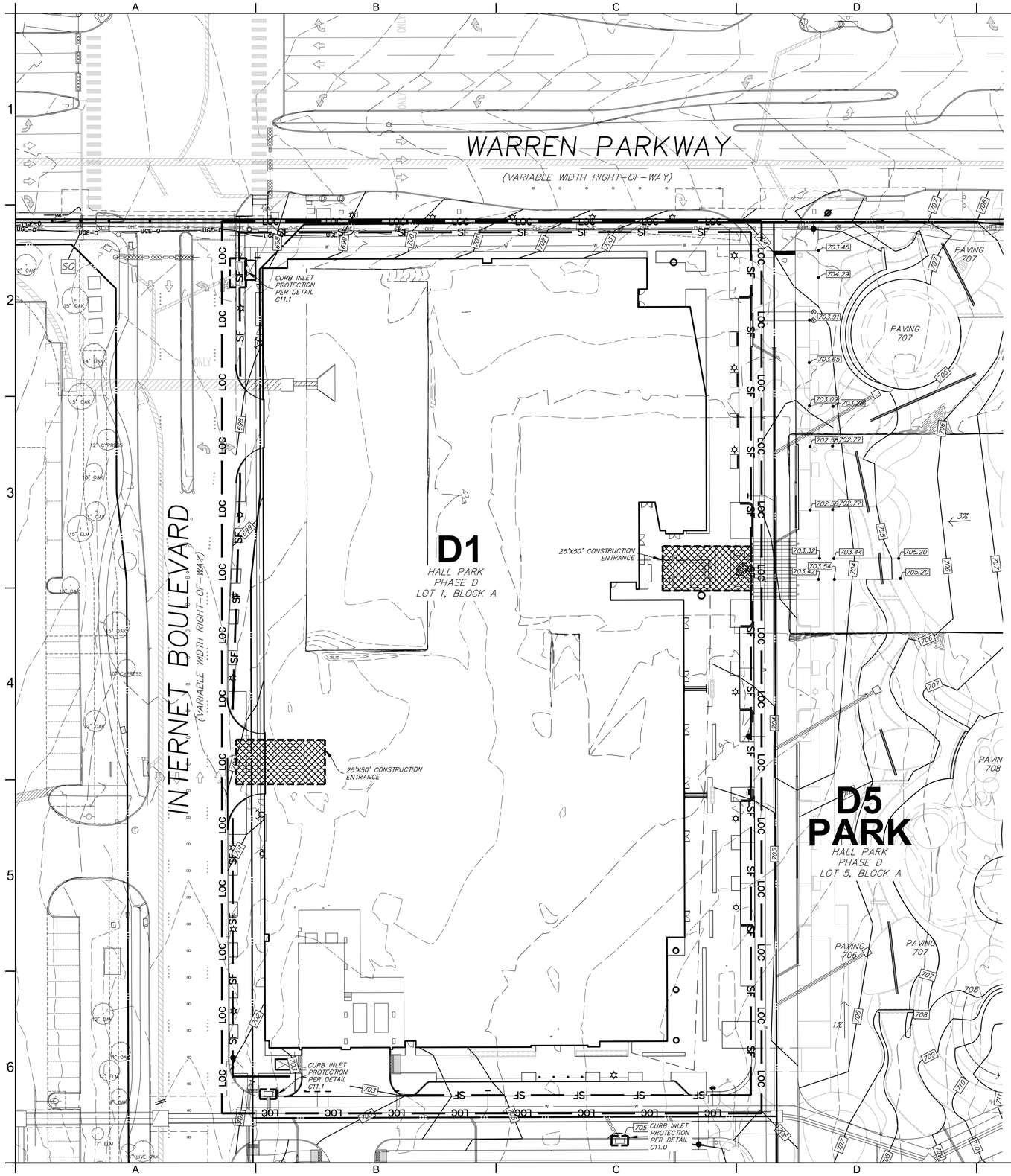

TOCS
1-800-245-4545
txticket@1-call.com

GRAPHIC SCALE
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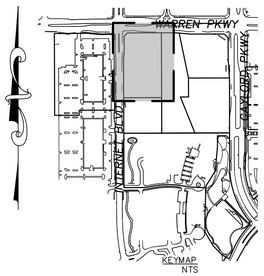
(IN FEET)
1 inch = 40 ft.



EROSION CONTROL GENERAL NOTES

1. THE EROSION CONTROL PLAN HAS BEEN PREPARED TO PROVIDE MEANS TO PREVENT OR MINIMIZE POLLUTION OF STORM WATER.
2. THE CONSTRUCTION ACTIVITY INCLUDED IN THIS PLAN WILL INCLUDE:
   A. CLEARING AND GRUBBING
   B. ROUGH GRADING
   C. FINAL GRADING
   D. UTILITY INSTALLATION
   E. PAVEMENT INSTALLATION
   F. BUILDING CONSTRUCTION
3. THE TOTAL ESTIMATED LAND AREA TO BE DISTURBED IS 3.50 ACRES.
4. THE ESTIMATED RUNOFF COEFFICIENT UPON COMPLETION OF THE PROJECT IS 0.90.
5. THE STORM WATER EXITING THE SITE DRAINS TO AN EXISTING DRAINAGE SYSTEM MAINTAINED BY THE CITY OF FRISCO.
6. THE SOILS ON THE SITE ARE GENERALLY EXPANSIVE CLAYS.
7. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN EROSION PROTECTION AROUND THE WORK AREA PERIMETER AND AT ALL INLET MOUTHS PRIOR TO COMMENCING WORK AND UNTIL THE WORK AREA HAS BEEN STABILIZED.
8. THE CONTRACTOR WILL REMOVE ALL EXCESS SOIL FROM CONSTRUCTION VEHICLES PRIOR TO EXITING THE SITE.
9. ALL DISTURBED AREAS WHICH WILL NOT BE RE-DISTURBED FOR A MINIMUM OF 21 DAYS MUST BE STABILIZED BY THE CONTRACTOR TO CONTROL EROSION.
10. THE CONTRACTOR SHALL UNDERTAKE PROPER METHODS TO REDUCE DUST GENERATION FROM THE SITE.
11. THE CONTRACTOR MUST COMPLY WITH FEDERAL STATE AND LOCAL REGULATIONS REGARDING SEDIMENT AND EROSION CONTROL.
12. A COPY OF THIS PLAN MUST BE KEPT AT THE CONSTRUCTION FACILITY DURING THE ENTIRE CONSTRUCTION PERIOD.
13. ALL FINISHED GRADES ARE TO BE HYDROMULCHED, SPOT SODDED OR SEEDED AND WATERED UNTIL GROWTH IS ESTABLISHED ON AND OFF-SITE.
14. A PIT OR WASH OUT BASIN SHALL BE CONSTRUCTED ON-SITE BY THE CONTRACTOR FOR THE "WASH OUT" OF CONCRETE TRUCKS PER NCTCOG SPECIFICATIONS.
15. A BERM OR OTHER SPILL PROTECTION MEASURE SHALL BE USED FOR ANY TEMPORARY FUEL STORAGE TANK ON SITE.
16. IF "SUMP" PUMPS ARE USED TO REMOVE WATER FROM EXCAVATED AREAS, FILTER THE DISCHARGE TO REMOVE SEDIMENT AND OTHER POLLUTANTS BEFORE THE WATER LEAVES THE SITE.
17. TO PREVENT DAMAGE TO VEGETATION IN DOWNSTREAM WATER COURSES, LIMIT ANY PROPOSED LIME STABILIZATION OPERATIONS TO THAT WHICH CAN BE MIXED AND COMPACTED BY THE END OF EACH WORK DAY. GEOTEXTILE FABRIC IS NOT EFFECTIVE IN FILTERING LIME SINCE THE GRAIN SIZE IS SMALLER THAN THE OPENING IN THE FABRIC.
18. VEHICLE PARKING AREAS, STAGING AREAS, STOCKPILES, SPOILS, ETC. SHALL BE LOCATED SUCH THAT THEY WILL NOT ADVERSELY AFFECT STORM WATER QUALITY. OTHERWISE, COVERING OR ENCIRCLING THE AREAS WITH PROTECTIVE MEASURES WILL BE NECESSARY.
19. STORE ALL TRASH AND BUILDING MATERIALS WASTE IN AN ENCLOSURE UNTIL PROPER DISPOSAL AT THE APPROPRIATE OFF-SITE FACILITIES.
20. TRACKING OF SEDIMENT OFF SITE BY TRUCK TRAFFIC SHALL BE HANDLED THROUGH REGULAR CLEANING.
21. INSPECTIONS SHALL BE CONDUCTED BY THE PERMITEE ONCE EVERY 2 WEEKS AND WITHIN 24 HOURS AFTER A STORM EVENT OF 0.5 INCHES OR MORE. THE INSPECTIONS WILL INCLUDE:
   A. DISTURBED AREAS OF THE SITE THAT HAVE NOT BEEN STABILIZED,
   B. AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION,
   C. STRUCTURAL CONTROL MEASURES,
   D. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE, AND
   E. IDENTIFICATION OF MEASURES THAT NEED TO BE MAINTAINED, MODIFIED OR ADDED TO CORRECT PROBLEMS.
23. CONTRACTOR SHALL PREVENT THE DISCHARGE OF BUILDING MATERIALS, LIME, CEMENT, CONCRETE, ASPHALT, AND MORTAR TO THE MS4s OR TO THE WATERS OF THE UNITED STATES.
24. PERMANENTLY STABILIZE EXPOSED SOIL WITHIN AND ADJACENT TO THE SITE, THAT IS DISTURBED BY VEHICLES, GRADING AND OTHER CONSTRUCTION ACTIVITIES.
25. CONTAIN ALL RUNOFF FROM MATERIAL USED IN SUBGRADE STABILIZATION.
26. MATERIAL STOCKPILES SHALL BE COVERED BY PLASTIC OR SURROUNDED BY EROSION CONTROL STRUCTURES TO CONTROL SEDIMENT RELEASES.
27. CONTRACTOR TO REFER TO LANDSCAPE PLANS FOR ALL TREE PROTECTION.
28. CONTRACTOR TO INSTALL GRAVEL CURB INLET SEDIMENT FILTER AT CLOSEST DOWNSTREAM INLET IF NECESSARY TO PREVENT THE PROJECTS SEDIMENT FROM ENTERING THE STORM SYSTEM.
29. CONTRACTOR TO REFER TO THE LANDSCAPE ARCHITECT FOR ALL TREE PROTECTION/REMOVAL FOR THE ENTIRE DEVELOPMENT.

NOTE:
NO STEEL POSTS ALLOWED IN RIGHT-OF-WAY

LEGEND

SF	PROPOSED SILT FENCE
LOC	PROP. LIMITS OF CONSTRUCTION
	INLET PROTECTION
525	EX. CONTOUR
525	PR. CONTOUR
	PROPOSED CONSTRUCTION ENTRANCE
	STRAW BALE CHECK DAM

NO.	DATE	REVISION

TEL: 214.295.5775
URBAN STRUCTURE
8140 Walnut Hill Lane, Suite 905
Dallas, Texas 75231
Firm Registration #F-3165
www.urbanstruct.com

PRELIMINARY
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PREPARED UNDER THE SUPERVISION OF
DOUGLAS E. BARRILLEAUX
P.E.# 97518
ON
03/26/2021

HALL PARK D1
3010 GAYLORD PARKWAY
FRISCO, COLLIN COUNTY, TEXAS
50% DESIGN DEVELOPMENT

SHEET TITLE:
EROSION CONTROL PLAN

PROJECT:

CLIENT: HALL GROUP
DRAWN BY: DTE
DESIGNER: BTD
REVIEWER: DEB
U.S. PROJECT: 16556

SHEET
C11.0

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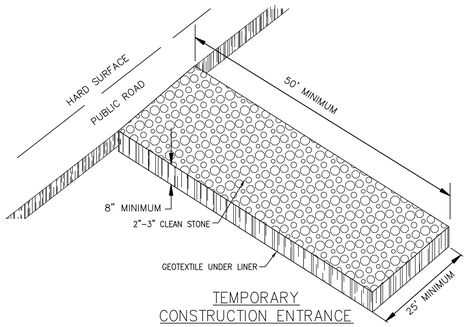
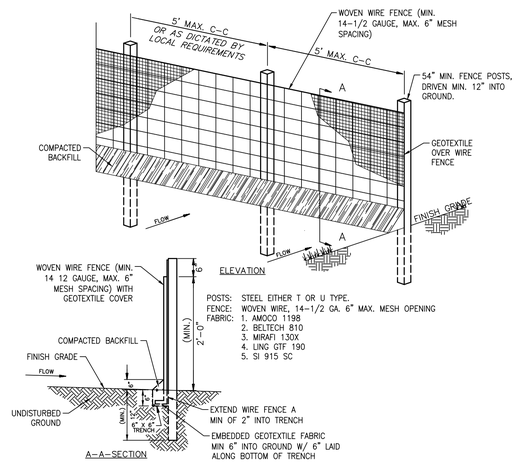
LAST MODIFIED ON: 3/25/2021 11:55 AM
PLOTTED ON: 3/25/2021 10:01 PM



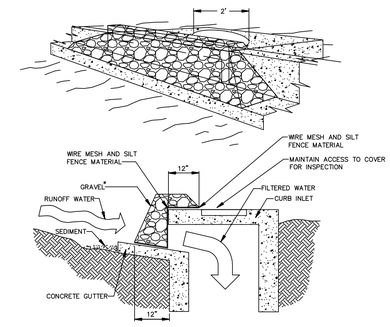
TEMPORARY
CONSTRUCTION ENTRANCE
N.T.S.



POSTS: STEEL EITHER T OR U TYPE.
FENCE: WOVEN WIRE, 14-1/2 GA. 6" MAX. MESH OPENING
FABRIC:
1. AMOCO 1198
2. BELTECH 810
3. MIRAFI 130X
4. LING GTF 190
5. SI 915 SC

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES.
2. GEOTEXTILE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
3. WHEN TWO SECTIONS OF GEOTEXTILE ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
4. MAINTENANCE SHALL BE PERFORMED AS NOTED IN THE EROSION CONTROL PLAN. COLLECTED MATERIAL SHALL BE REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
5. ALL SILT FENCE SHALL INCLUDE WIRE SUPPORT UNLESS INDICATED OTHERWISE

SEDIMENTATION/SILT FENCE WITH WIRE SUPPORT
N.T.S.

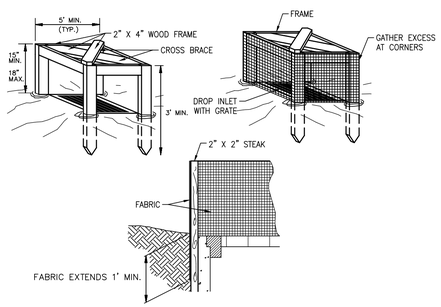


SPECIFIC APPLICATION

THIS METHOD OF INLET PROTECTION IS APPLICABLE AT CURB INLETS WHERE PONDING IN FRONT OF THE STRUCTURE IS NOT LIKELY TO CAUSE INCONVENIENCE OR DAMAGE TO ADJACENT STRUCTURES AND UNPROTECTED AREAS.

* GRAVEL SHALL BE 3/4"-2" ANGULAR CLEAN STONE

GRAVEL CURB INLET
SEDIMENT FILTER
N.T.S.



SILT FENCE INLET
PROTECTION- UNPAVED AREAS
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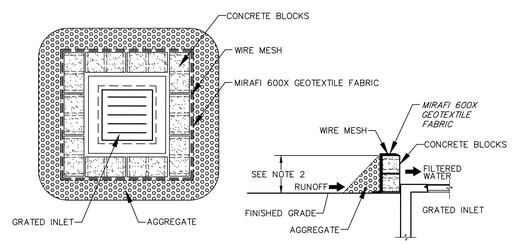


PLAN SECTION

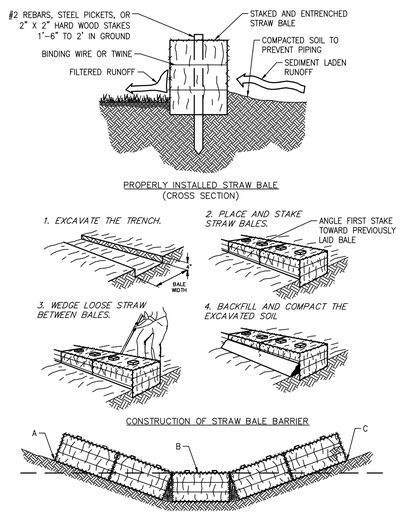
NOTES:

1. PLACE CONCRETE BLOCKS IN A SINGLE ROW AROUND PERIMETER OF INLET ON THEIR SIDES, WITH ENDS OF ADJACENT BLOCKS ABUTTING.
2. HEIGHT OF BARRIER VARIES. USE STACKS OF 4", 8", OR 12" BLOCKS. MIN. HEIGHT OF BARRIER SHALL BE 12" AND MAX. HEIGHT SHALL BE 24".
3. PLACE HARDWARE CLOTH/WIRE MESH W/ MAX. 1/2" OPENINGS OVER VERTICAL FACE OF CONCRETE BLOCKS.
4. THE AGGREGATE SHALL BE 3/4"-2" ANGULAR CLEAN STONE, WHICH WILL SLOW THE FLOW OF THE WATER AND ALLOW IT TO FILTER THROUGH AND OVER THE MATERIAL BEFORE ENTERING THE INLET.

MAINTENANCE NOTES:

1. INLET PROTECTION DEVICES MUST BE INSPECTED FOR SEDIMENT ACCUMULATION WITHIN THE CATCH BASIN (IF USING INSERT-TYPE DEVICE) OR UPGRADIENT OF THE INLET.
2. REMOVAL OF SEDIMENT ACCUMULATED IN OR ADJACENT TO A STORM DRAIN INLET MUST BEGIN IMMEDIATELY UPON DISCOVERY, WITH COMPLETION OF THE ACTIVITY OCCURRING NO LATER THAN THE END OF THE FOLLOWING BUSINESS DAY.
3. INLET PROTECTION DEVICES SHALL BE INSPECTED FOR UNINTENDED BYPASS OR IMPROPER FLOW-RATES THAT MAY CAUSE DOWNSTREAM FLOODING.
4. CONTACT THE CEC FOR ALTERNATE INLET PROTECTION IF THE DESIGNED PROTECTION MAY IMPACT DOWNSTREAM BMPS, ADJACENT SLOPES, ETC., DUE TO PONDING ISSUES. ENSURE THAT NO UNDERMINING OF INLET PROTECTION DEVICES HAS OCCURRED.
5. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING OR DETERIORATION.

BLOCK AND AGGREGATE INLET PROTECTION
N.T.S.



POINT "A" SHALL BE HIGHER THAN POINT "B"

PROPER PLACEMENT OF STRAW BALE BARRIER IN DRAINAGE WAY

STRAW BALE BARRIER
N.T.S.

NO.	DATE	REVISION

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Dallas, Texas 75231
Firm Registration #F-3165

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PREPARED UNDER THE SUPERVISION OF DOUGLAS E. BARRILLEAUX P.E.# 97518 ON 03/26/2021

HALL PARK D1
3010 GAYLORD PARKWAY
FRISCO, COLLIN COUNTY, TEXAS
50% DESIGN DEVELOPMENT

EROSION CONTROL DETAILS

PROJECT:
SHEET TITLE:
CLIENT: HALL GROUP
DRAWN BY: DTE
DESIGNER: BTD
REVIEWER: DEB
U.S. PROJECT: 18566

SHEET
C11.1

FILE NAME: D1 EROSION.DWG
LAYOUT: C11.1 - EROSION CONTROL
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LAST MODIFIED ON: 3/25/2021 11:35 AM
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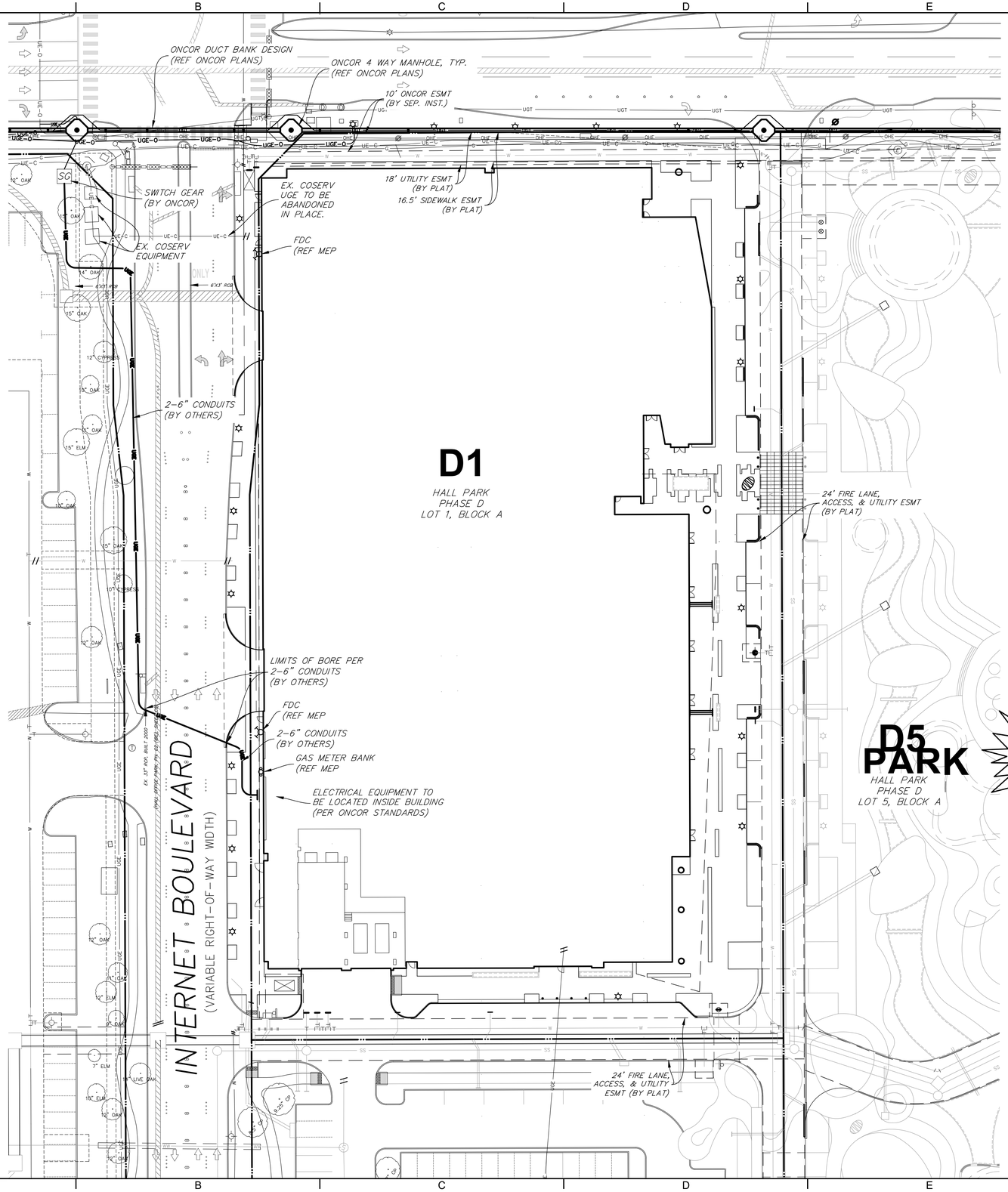

GRAPHIC SCALE

40 0 20 40

(IN FEET)
1 inch = 40 ft.

TOCS
1-800-245-4545
txticket@1-call.com

UTILITY LEGEND

- PROPERTY LINE
- EX. GAS LINE
- EX. OVERHEAD ELECTRIC
- EX. UNDERGROUND ELECTRIC
- EX. WATER
- EX. SANITARY SEWER
- PR. SANITARY SEWER
- PR. WATER
- EX. STORM
- EX. STORM PER CS20-0026
- PR. STORM
- EX. GAS/TELEPHONE PER CS20-0026
- PR. UNDERGROUND ELECTRIC
- PR. GAS LINE
- EX. SSMH PER CS20-0026

NO.	DATE	REVISION

URBAN STRUCTURE
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HALL PARK D1

3010 GAYLORD PARKWAY
FRISCO, COLLIN COUNTY, TEXAS
50% DESIGN DEVELOPMENT

FRANCHISE UTILITY PLAN

PROJECT:

SHEET TITLE:

CLIENT: HALL GROUP
DRAWN BY: DTE
DESIGNER: BTD
REVIEWER: DEB
U.S. PROJECT : 18566

SHEET
C12.0

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LAST MODIFIED BY: U-DESIGN\2018\18566 Hall Park D1\ACAD\Working Files\D1 Construction Set\D1 FRANCHISE UTILITY.dwg
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