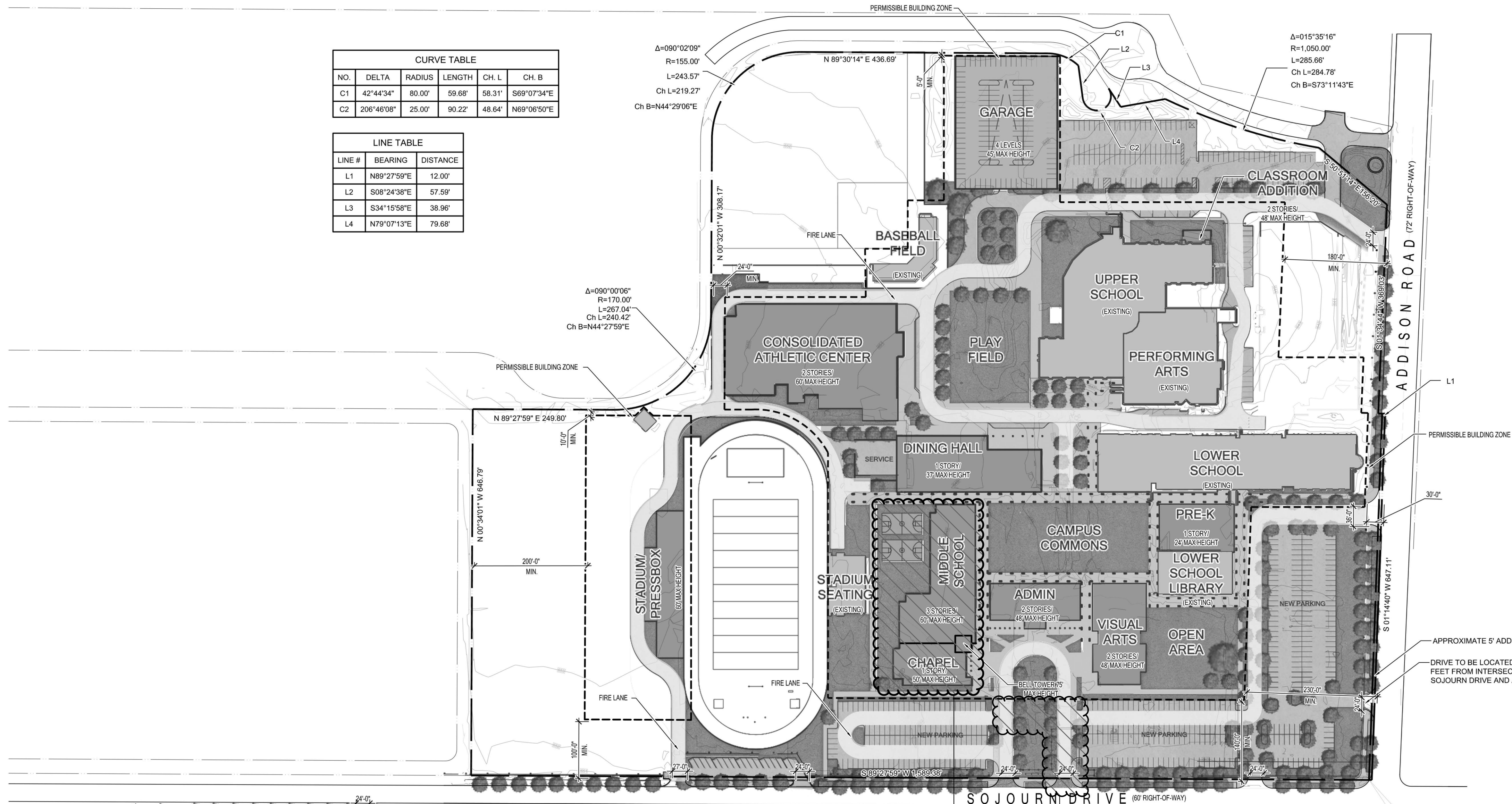
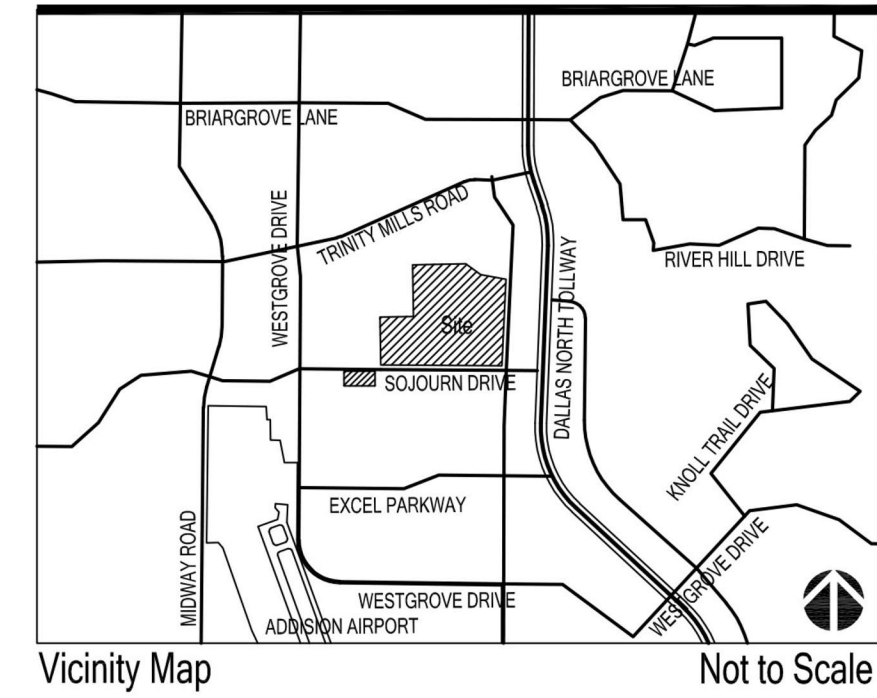


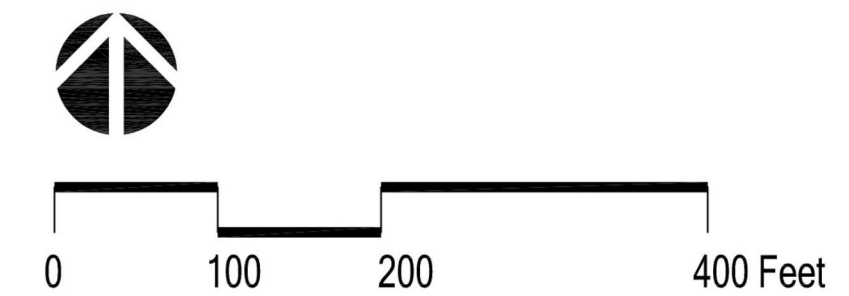
CURVE TABLE					
NO.	DELTA	RADIUS	LENGTH	CH. L	CH. B
C1	42°44'34"	80.00'	59.68'	58.31'	S69°07'34"E
C2	206°46'08"	25.00'	90.22'	48.64'	N69°06'50"E

LINE TABLE		
LINE #	BEARING	DISTANCE
L1	N89°27'59"E	12.00'
L2	S08°24'38"E	57.59'
L3	S34°15'58"E	38.96'
L4	N79°07'13"E	79.68'



Maximum Allowable Building Area:
585,000 SF

INDIVIDUAL BUILDINGS ARE FOR
ILLUSTRATIVE PURPOSES ONLY



CURRENT ZONING: PD016-040
TOWN PROJECT #: 1824-Z

**TRINITY CHRISTIAN ACADEMY
MIDDLE SCHOOL
CONCEPT PLAN**

FOR
**2.32 ACRES OF
LOT 15, BLOCK 1B
CARROLL ESTATES**

19.3 ACRES

SITUATED IN THE ELI SHEPARD AND LEVI NOBES SURVEYS
ABSTRACT NO. 1361 AND 1098
TOWN OF ADDISON, DALLAS COUNTY, TEXAS
DATE: MARCH 08, 2021

DEVELOPER: CBRE
2100 McKinney Avenue, Suite 700
Dallas, TX 75201
Tel. No. 214-707-3233
Contact: Bill Pitts

ARCHITECTS: GFF ARCHITECTS
2808 Fairmont Street, Suite 300
Dallas, Texas 75201
Tel. No. 214-303-1500
Contact: Jeremy Roehr, AIA

CIVIL ENGINEER: KIMLEY-HORN AND ASSOCIATES, INC.
13455 Noel Road, Two Galleria Office Tower, Suite
700 Dallas, Texas 75240
Tel. No. 972-770-1300
Contact: Jeffery W. Dolan, P.E.

No.	Date	Revision

GFF Drawn By: JMR
Reviewed: Jeremy M. Roehr, AIA
03/08/2021

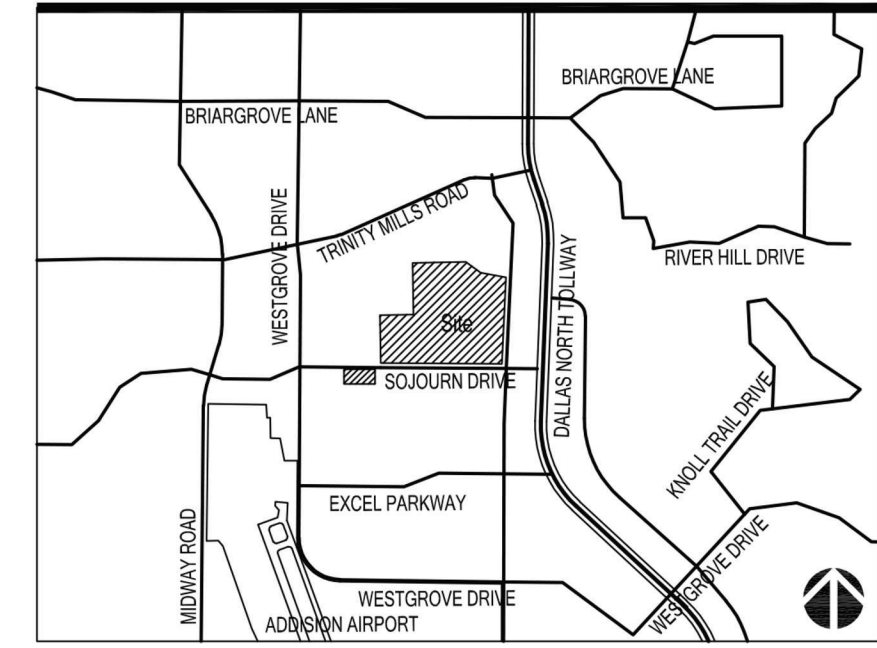
CONCEPT PLAN

Project No.	20099.00
Date	03/08/2021



CURVE TABLE					
NO.	DELTA	RADIUS	LENGTH	CH. L.	CH. B.
C1	42°44'34"	80.00'	59.68'	58.31'	S69°07'34"E
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LINE TABLE		
LINE #	BEARING	DISTANCE
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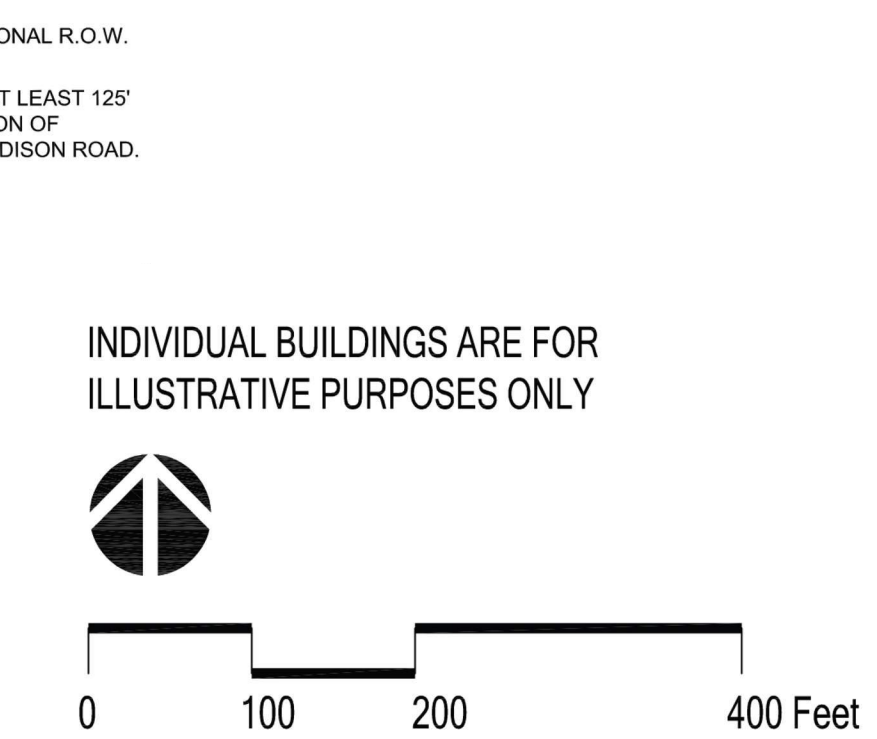
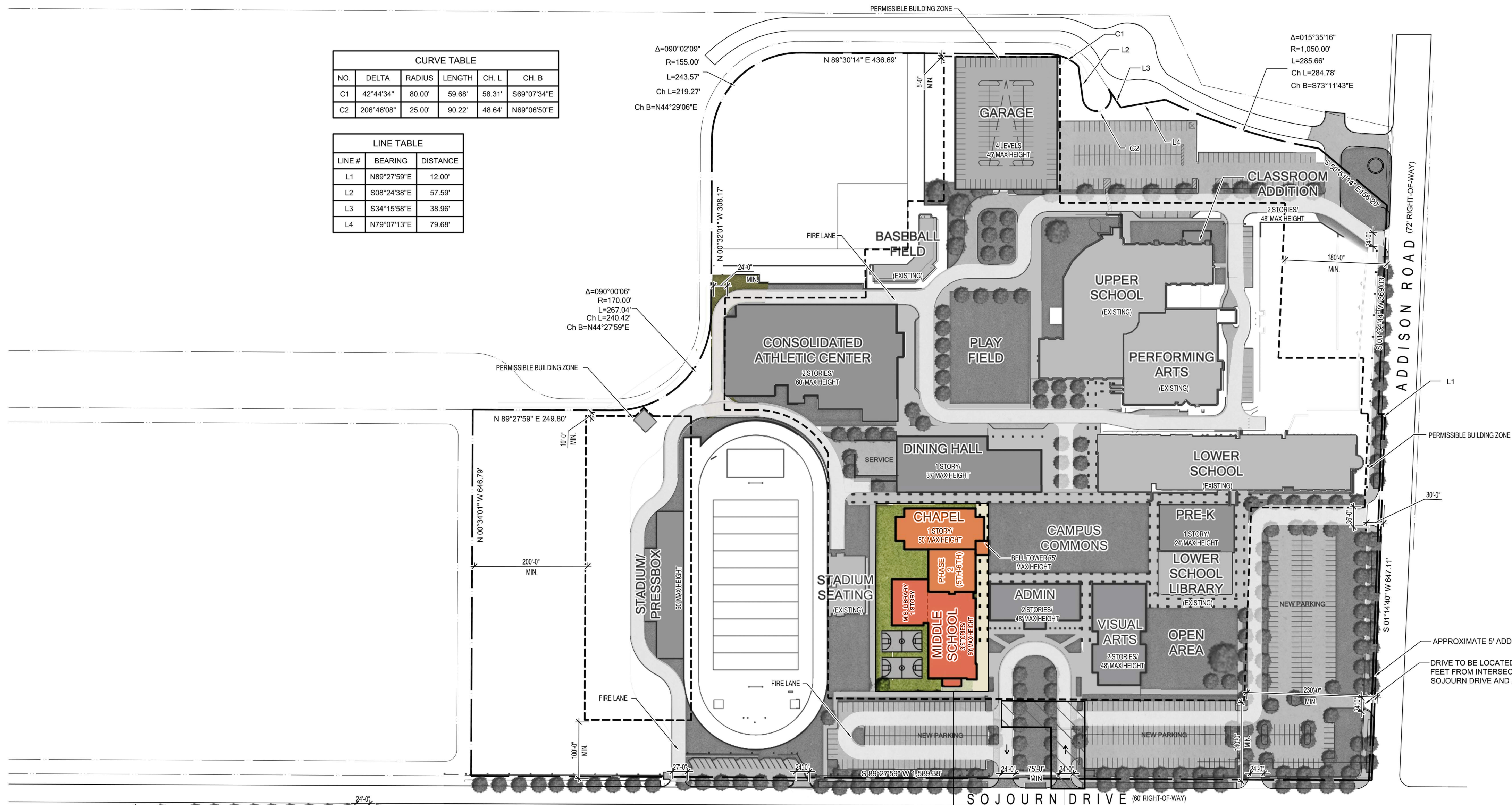
Vicinity Map Not to Scale

EXISTING BUILDING AREAS	
ADMINISTRATION WING:	6,400sf
ART WING:	9,440sf
ATHLETIC TRAINING CENTER:	18,135sf
BASEBALL STADIUM:	5,000sf
FIELD HOUSE:	22,194sf
LOWER SCHOOL LIBRARY COMPLEX:	20,034sf
LOWER SCHOOL:	78,000sf
MULTI-COMPLEX BUILDING:	49,102sf
MIDDLE SCHOOL:	24,080sf
PERFORMING ARTS CENTER:	35,830sf
PORTABLES (3):	5,048sf
STADIUM:	3,760sf
UPPER SCHOOL:	68,000sf
TOTAL EXISTING:	346,023sf

PROPOSED NEW BUILDING AREA	
MIDDLE SCHOOL:	45,180sf
PHASE 2 MIDDLE SCHOOL:	TBD +/- 20,000sf
CHAPEL:	TBD +/- 11,000sf
TOTAL EXISTING + NEW:	APPOX. 422,203sf

*FUTURE DEVELOPMENT WILL REQUIRE A NEW ZONING SUBMISSION

MAXIMUM ALLOWABLE BUILDING AREA	
	585,000sf



INDIVIDUAL BUILDINGS ARE FOR ILLUSTRATIVE PURPOSES ONLY

APPROXIMATE AREA OF PROPOSED MIDDLE SCHOOL PHASE 1 AND FUTURE MIDDLE SCHOOL ADDITIONS

APPROXIMATE AREA OF PROPOSED INTERIM DRIVE FOR IMPROVED TRAFFIC FLOW. FULL REALIZATION OF DRIVES AS SHOWN IN CONCEPT PLAN WILL BE PART OF FUTURE PHASES

CURRENT ZONING: PD016-040
TOWN PROJECT #: 1824-Z

**TRINITY CHRISTIAN ACADEMY
MIDDLE SCHOOL
REVISED CONCEPT PLAN**

FOR
**2.32 ACRES OF
LOT 15, BLOCK 1B
CARROLL ESTATES
19.3 ACRES**

SITUATED IN THE ELI SHEPARD AND LEVI NOBES SURVEYS
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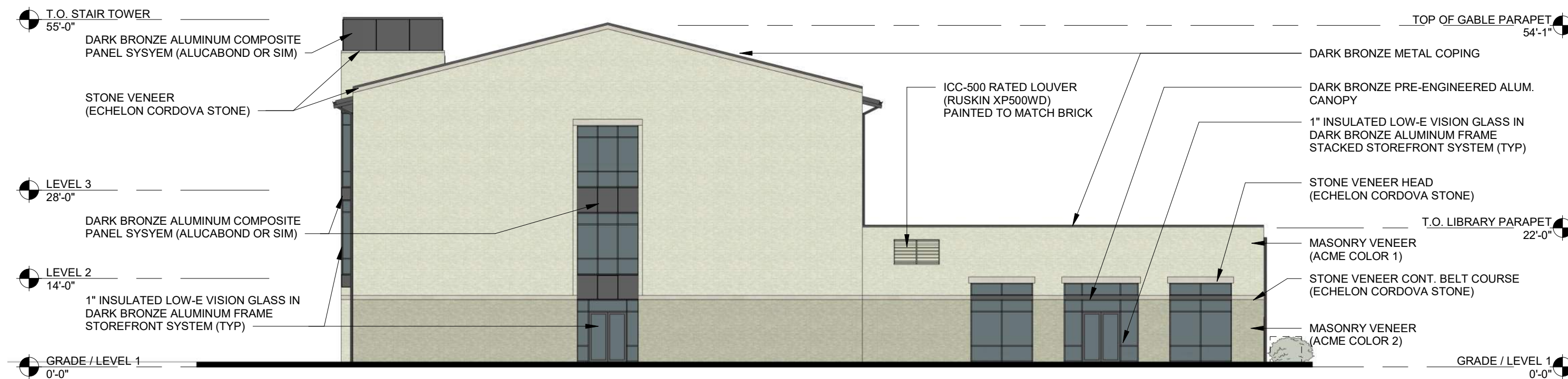
GFF Drawn By
JMR Reviewed
Jeremy M. Roehr, AIA
03/08/2021

**REVISED
CONCEPT PLAN**

Project No. 20099.00
Date 03/08/2021



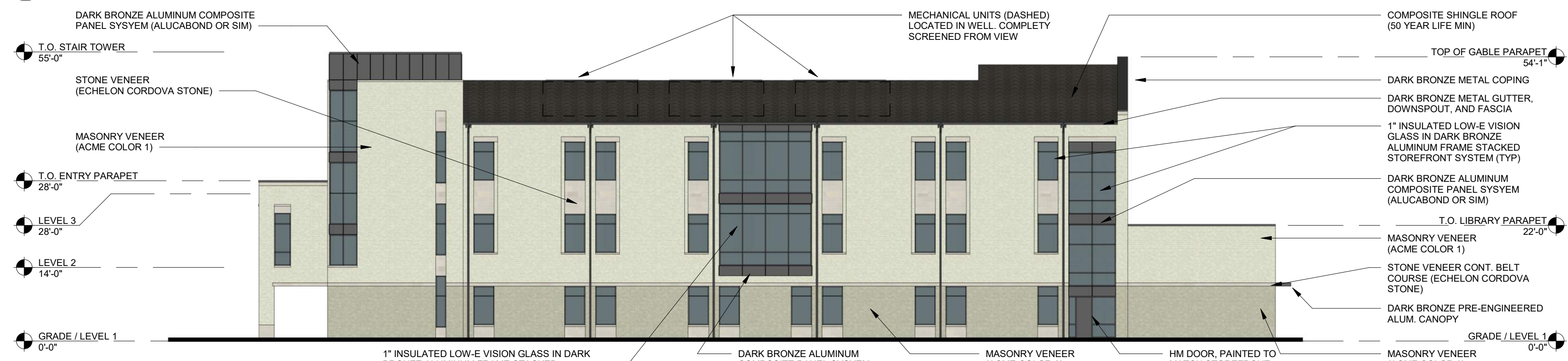
04 SOUTH ELEVATION (FRONT)
1/16" = 1'-0"



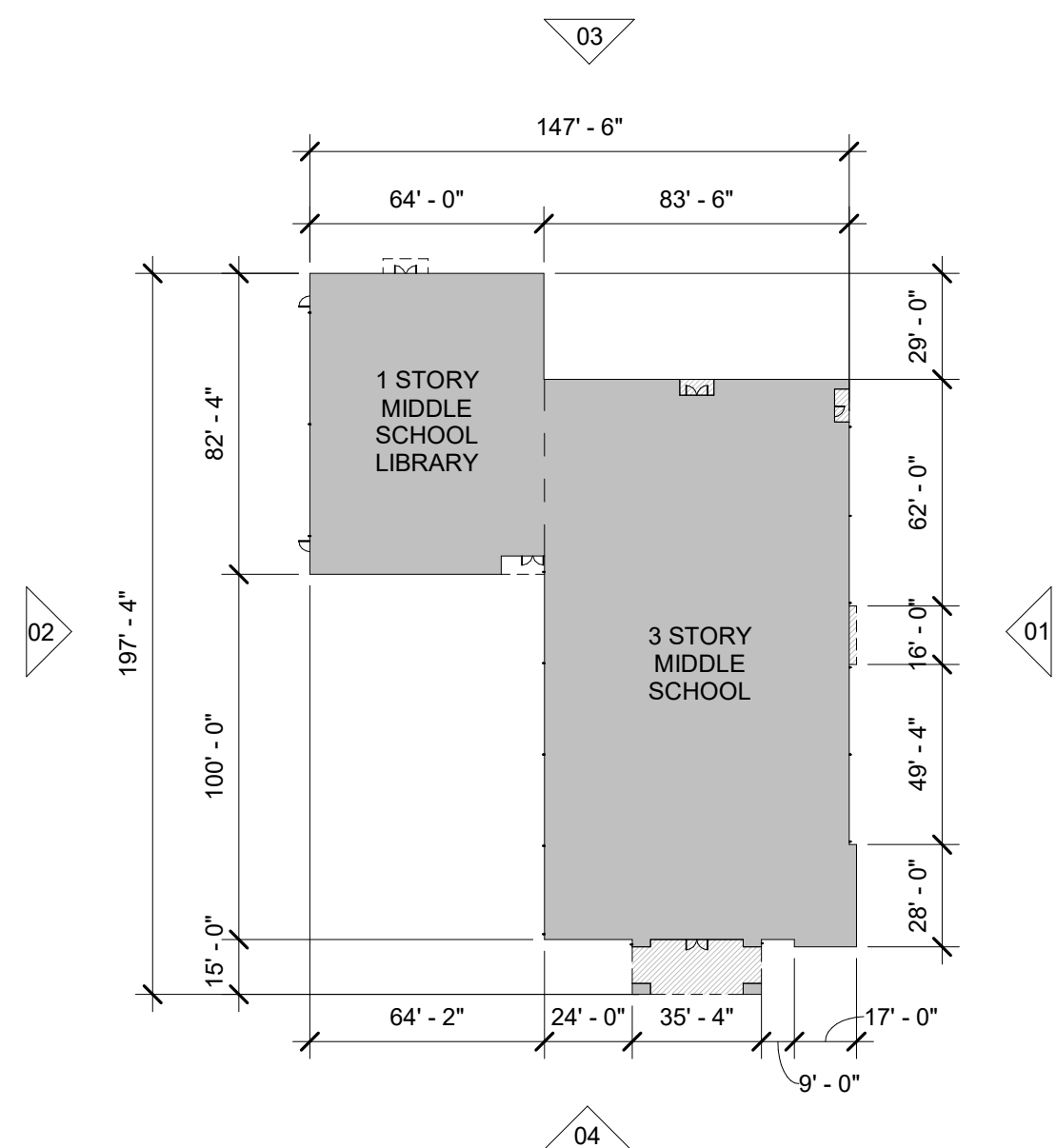
03 NORTH ELEVATION
1/16" = 1'-0"



02 WEST ELEVATION
1/16" = 1'-0"



01 EAST ELEVATION
1/16" = 1'-0"



KEY PLAN
1" = 50'-0"

FACADE PLAN NOTES

- THIS FACADE PLAN IS FOR CONCEPTUAL PURPOSES ONLY. ALL BUILDING PLANS REQUIRE REVIEW AND APPROVAL BY DEVELOPMENT SERVICES.
- ALL MECHANICAL UNITS SHALL BE SCREENED FROM PUBLIC VIEW AS REQUIRED BY THE ZONING ORDINANCE
- WHEN PERMITTED, EXPOSED UTILITY BOXES AND CONDUITS SHALL BE PAINTED TO MATCH THE BUILDING
- ALL SIGNAGE AREAS AND LOCATIONS ARE SUBJECT TO APPROVAL BY DEVELOPMENT SERVICES
- ROOF ACCESS SHALL BE PROVIDED INTERNALLY, UNLESS OTHERWISE PERMITTED BY THE CHIEF BUILDING OFFICIAL

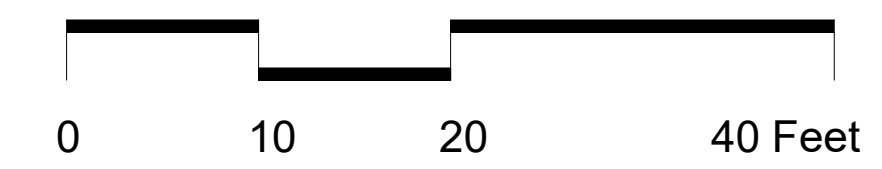
EAST ELEVATION MATERIALS	AREA	PERCENT
MASONRY	5738.3 SF	73%
COMPOSITE METAL PANELS, METAL COPING, HM DOORS, METAL LOUVERS	479 SF	6%
GLAZING	1648 SF	21%
TOTAL:	7865.3 SF	100%

SOUTH ELEVATION MATERIALS	AREA	PERCENT
MASONRY	4225.7 SF	73.4%
COMPOSITE METAL PANELS, METAL COPING, HM DOORS, METAL LOUVERS	301.8 SF	5.2%
GLAZING	1229.2 SF	21.4%
TOTAL:	5756.8 SF	100%

NORTH ELEVATION MATERIALS	AREA	PERCENT
MASONRY	4753.6 SF	82.9%
COMPOSITE METAL PANELS, METAL COPING, HM DOORS, METAL LOUVERS	264.9 SF	4.6%
GLAZING	716.3 SF	12.5%
TOTAL:	5734.7 SF	100%

WEST ELEVATION MATERIALS	AREA	PERCENT
MASONRY	6494.8 SF	85.4%
COMPOSITE METAL PANELS, METAL COPING, HM DOORS, METAL LOUVERS	319 SF	4.2%
GLAZING	788.2 SF	10.4%
TOTAL:	7565.5 SF	100%

TOTAL ELEVATION MATERIALS	AREA	PERCENT
MASONRY	21212.4 SF	78.7%
COMPOSITE METAL PANELS, METAL COPING, HM DOORS, METAL LOUVERS	1364.8 SF	5%
GLAZING	4381.6 SF	16.3%
TOTAL:	26841.6 SF	100%



CURRENT ZONING: PD016-040
TOWN PROJECT #: 1824-Z

**TRINITY CHRISTIAN ACADEMY
MIDDLE SCHOOL
FACADE PLAN**

FOR
**2.32 ACRES OF
LOT 15, BLOCK 1B
CARROLL ESTATES**

19.3 ACRES
SITUATED IN THE ELI SHEPARD AND LEVI NOBES SURVEYS
ABSTRACT NO. 1361 AND 1098
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DATE: MARCH 08, 2021

DEVELOPER: CBRE 2100 McKinney Avenue, Suite 700 Dallas, TX 75201 Tel. No. 214-707-3233 Contact: Bill Pitts	ARCHITECT: GFF ARCHITECTS 2808 Fairmont Street, Suite 300 Dallas, Texas 75201 Tel. No. 214-303-1500 Contact: Jeremy Roehr, AIA	CIVIL ENGINEER: KIMLEY-HORN AND ASSOCIATES, INC. 13455 Noel Road, Two Galleria Office Tower, Suite 700 Dallas, Texas 75240 Tel. No. 972-770-1300 Contact: Jeffrey W. Dolan, P.E.
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No.	Date	Revision

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GFF
Drawn By
JMR
Reviewed
Jeremy M. Roehr, AIA
03/08/2021

FACADE PLAN

Project No. 20099.00
Date 03/08/2021

TREE MITIGATION

TAG#	DBH PRESERVED	DBH REMOVED	COMMON NAME	SCIENTIFIC NAME	CONDITION	MULTIPLE STEMMED
100		14.0	live oak	Quercus virginiana	Healthy	Single
8487	9.0		Shumard oak	Quercus shumardii	Healthy	Single
8488	16.8		Shumard oak	Quercus shumardii	Healthy	Single
8489	30.8		live oak	Quercus virginiana	Healthy	Single
8490	20.1		live oak	Quercus virginiana	Healthy	Single
8491	21.0		Shumard oak	Quercus shumardii	Healthy	Single
8492	11.8		Shumard oak	Quercus shumardii	Healthy	Single
8493		19.2	live oak	Quercus virginiana	Healthy	Forked
8494		18.5	live oak	Quercus virginiana	Healthy	Single
8495	16.8		live oak	Quercus virginiana	Healthy	Forked
8496	15.4		live oak	Quercus virginiana	Healthy	Single
8497	16.0		live oak	Quercus virginiana	Healthy	Single
8498	14.8		live oak	Quercus virginiana	Healthy	Forked
8499	17.2		live oak	Quercus virginiana	Healthy	Multi
8500	20.9		live oak	Quercus virginiana	Healthy	Forked
87230	18.2		Shumard oak	Quercus shumardii	Healthy	Single
87231		16.4	Shumard oak	Quercus shumardii	Healthy	Single
87232		14.7	Shumard oak	Quercus shumardii	Healthy	Single
87233	24.9		Shumard oak	Quercus shumardii	Healthy	Single
87234	19.1		live oak	Quercus virginiana	Healthy	Single
87235	14.0		live oak	Quercus virginiana	Healthy	Forked
87236	13.5		live oak	Quercus virginiana	Healthy	Single
87237	13.8		Shumard oak	Quercus shumardii	Healthy	Single
87238	13.9		live oak	Quercus virginiana	Healthy	Single
87239	21.1		live oak	Quercus virginiana	Healthy	Single
87240	14.2		Shumard oak	Quercus shumardii	Healthy	Single
87241	10.5		cedar elm	Ulmus crassifolia	Healthy	Single
87242	14.3		crrape myrtle	Lagerstroemia indica	Healthy	Multi
87243	10.2		crrape myrtle	Lagerstroemia indica	Healthy	Multi
87244	11.1		crrape myrtle	Lagerstroemia indica	Healthy	Multi
87245	24.0		Shumard oak	Quercus shumardii	Healthy	Single
87246	19.2		live oak	Quercus virginiana	Healthy	Single
87247	13.0		live oak	Quercus virginiana	Healthy	Single
87248	20.8		live oak	Quercus virginiana	Healthy	Single
87249	17.0		live oak	Quercus virginiana	Healthy	Single
87250	15.2		live oak	Quercus virginiana	Healthy	Single
87251	14.1		live oak	Quercus virginiana	Healthy	Forked
87252	10.3		live oak	Quercus virginiana	Healthy	Single
87253		10.9	live oak	Quercus virginiana	Healthy	Single
87254		19.2	live oak	Quercus virginiana	Healthy	Multi
87255		9.3	live oak	Quercus virginiana	Healthy	Single
87256		10.5	live oak	Quercus virginiana	Healthy	Single
87257		17.5	live oak	Quercus virginiana	Healthy	Multi
87258	14.6		Shumard oak	Quercus shumardii	Healthy	Single
87259	9.3		crrape myrtle	Lagerstroemia indica	Healthy	Multi
87260	11.1		crrape myrtle	Lagerstroemia indica	Healthy	Multi
87261	7.1		crrape myrtle	Lagerstroemia indica	Healthy	Multi
87262	9.4		crrape myrtle	Lagerstroemia indica	Healthy	Multi
87263	11.5		crrape myrtle	Lagerstroemia indica	Healthy	Multi
87264		13.5	live oak	Quercus virginiana	Declining	Single
87265		36.4	live oak	Quercus virginiana	Healthy	Multi
87266		32.1	live oak	Quercus virginiana	Healthy	Multi
87267		12.5	live oak	Quercus virginiana	Healthy	Single
87268		14.2	live oak	Quercus virginiana	Healthy	Single
87269		14.5	live oak	Quercus virginiana	Healthy	Single
87270		14.3	live oak	Quercus virginiana	Healthy	Single
87271		14.3	live oak	Quercus virginiana	Healthy	Single
87272	17.0		live oak	Quercus virginiana	Healthy	Single
87273	16.4		live oak	Quercus virginiana	Healthy	Forked
87274	19.3		live oak	Quercus virginiana	Healthy	Single
87275	16.2		Shumard oak	Quercus shumardii	Healthy	Single
87276	11.9		bald cypress	Taxodium distichum	Healthy	Single
87277	12.7		bald cypress	Taxodium distichum	Healthy	Single
87278	12.4		bald cypress	Taxodium distichum	Healthy	Single
87279	16.3		bald cypress	Taxodium distichum	Healthy	Single
87280	19.9		bald cypress	Taxodium distichum	Healthy	Single
87281	7.1		crrape myrtle	Lagerstroemia indica	Declining	Forked
87282	11.5		crrape myrtle	Lagerstroemia indica	Healthy	Forked
87283	14.9		crrape myrtle	Lagerstroemia indica	Healthy	Multi
87284		18.2	live oak	Quercus virginiana	Healthy	Multi
87285		18.8	live oak	Quercus virginiana	Healthy	Multi
87286	25.6		live oak	Quercus virginiana	Healthy	Single
87287	13.8		cedar elm	Ulmus crassifolia	Healthy	Single
87288	18.3		live oak	Quercus virginiana	Healthy	Single
87289	34.2		Shumard oak	Quercus shumardii	Healthy	Single
87290	11.4		Shumard oak	Quercus shumardii	Declining	Single
87291		15.2	live oak	Quercus virginiana	Healthy	Single
87292		15.7	live oak	Quercus virginiana	Healthy	Single
87293	18.5		live oak	Quercus virginiana	Healthy	Single
87294	14.1		live oak	Quercus virginiana	Healthy	Single
87295	18.3		live oak	Quercus virginiana	Healthy	Single
87296	13.7		live oak	Quercus virginiana	Healthy	Single
87297	21.2		live oak	Quercus virginiana	Healthy	Single
87298	15.3		live oak	Quercus virginiana	Healthy	Forked
87299	11.8		crrape myrtle	Lagerstroemia indica	Healthy	Multi
87300	21.7		live oak	Quercus virginiana	Healthy	Single
87351	15.1		live oak	Quercus virginiana	Healthy	Single
87352	21.5		live oak	Quercus virginiana	Healthy	Single
87353	18.0		live oak	Quercus virginiana	Healthy	Single
87354	19.3		live oak	Quercus virginiana	Healthy	Multi
87355	15.7		Shumard oak	Quercus shumardii	Healthy	Single
87356	17.0		live oak	Quercus virginiana	Healthy	Single
87357	13.2		live oak	Quercus virginiana	Healthy	Forked
87358	16.7		live oak	Quercus virginiana	Healthy	Single
87359	13.8		live oak	Quercus virginiana	Healthy	Forked
Totals	1169.8	369.9				

TREE REPLACEMENT			
CALIPER INCHES PRESERVED	CALIPER INCHES REMOVED	CALIPER INCHES PROVIDED	CALIPER INCHES REMAINING*
1169.8	369.9	80	289.9

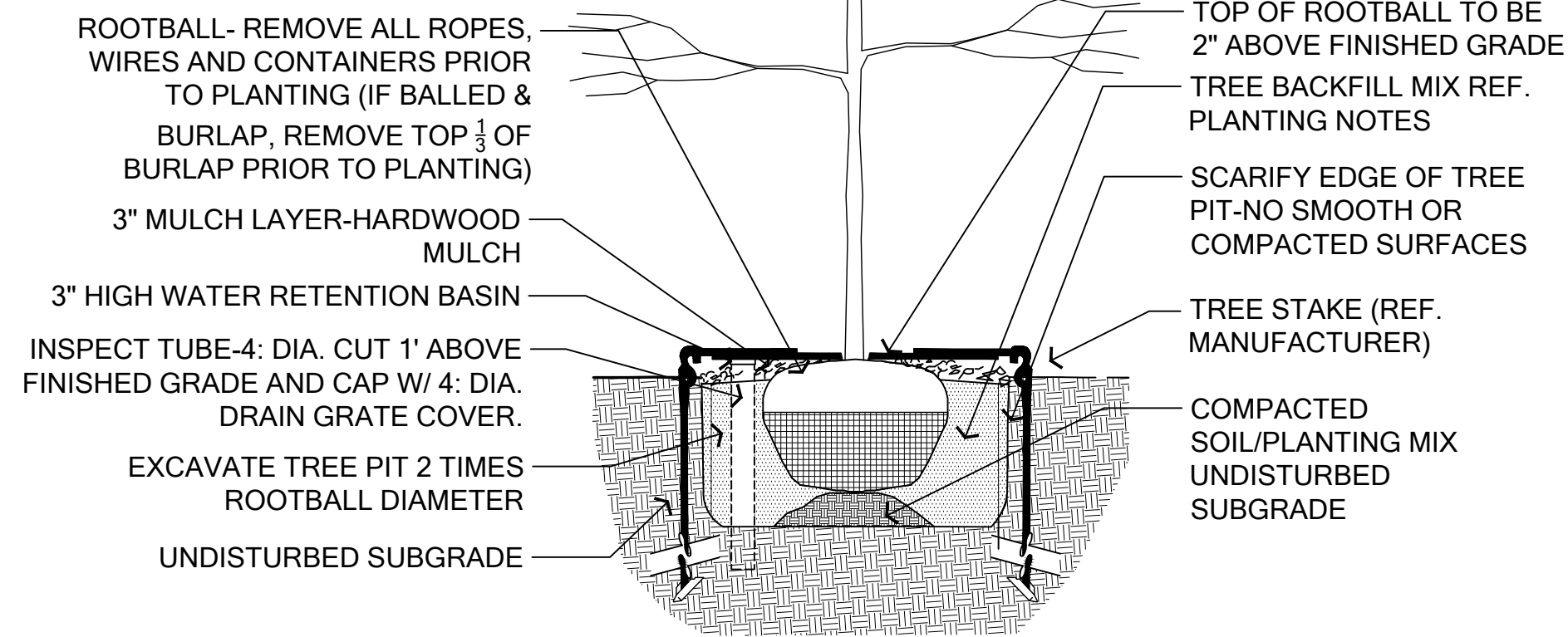
*IF TREES CAN NOT BE MITIGATED ON THE SITE A PAYMENT MUST BE MADE TO THE ADDISON ARBOR FOUNDATION SO TREES CAN BE REPLANTED IN TOWN.

PLANTING SCHEDULE

Trees	KEY	UNIT	COMMON NAME	SCIENTIFIC NAME	SIZE	HEIGHT	SPREAD	SPACING	REMARKS
	BCY	EA	Bald Cypress	Taxodium distichum	8" cal.*	14'-16'	7'-8'	as shown	Full Symmetrical Canopy / Matched/ Container Grown
	MAG	EA	Southern Magnolia	Magnolia grandiflora	8" cal.*	14'-16'	7'-8'	as shown	Full Symmetrical Canopy / Matched/ Container Grown
	OAK	EA	Live Oak	Quercus virginiana	8" cal.*	14'-16'	7'-8'	as shown	Full Symmetrical Canopy / Matched/ Container Grown
	ROK	EA	Red Oak	Quercus spp.	8" cal.*	14'-16'	7'-8'	as shown	Full Symmetrical Canopy / Matched/ Container Grown
Ornamental Trees									
	CRP	EA	Crape Myrtle	Lagerstroemia indica	2.5" cal.	8'-10'	4'-5'	as shown	Full / Matched / Container Grown
	DTW	EA	Desert Willow	Chilopsis linearis	2.5" cal.	8'-10'	4'-5'	as shown	Full / Matched / Container Grown
	MPX	EA	Mexican Plum	Prunus mexicana	2.5" cal.	8'-10'	4'-5'	as shown	Full / Matched / Container Grown
	YPN	EA	Yaupon Holly	Ilex vomitoria	2.5" cal.	8'-10'	4'-5'	as shown	Full / Matched / Container Grown
	VTX	EA	Vitex	Vitex agnus-castus	2.5" cal.	8'-10'	4'-5'	as shown	Full / Matched / Container Grown

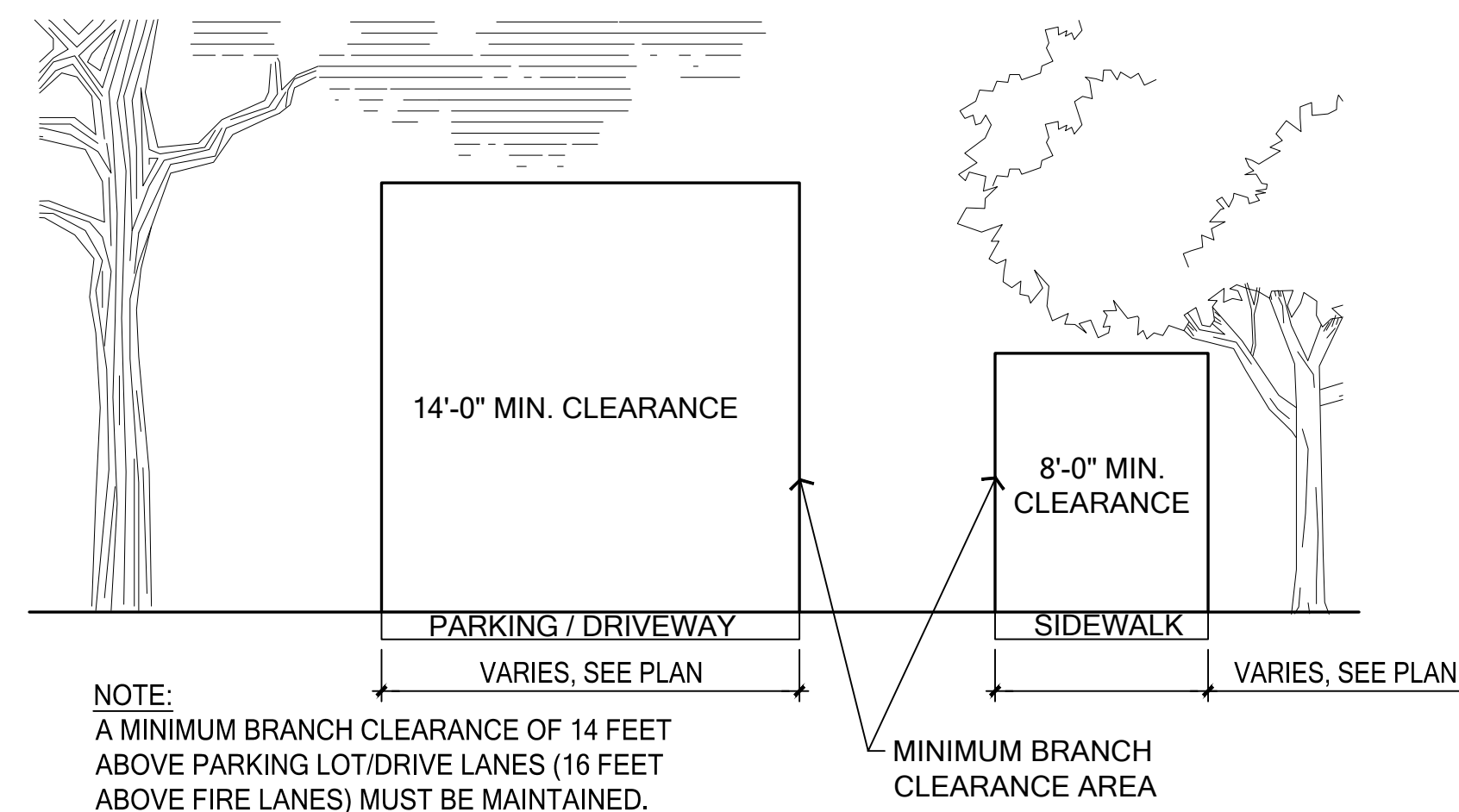
*Minimum size replacement is 4" cal. for 8" cal. or smaller tree to be mitigated. Trees larger than 8" cal. tree to be planted for mitigation. Per Addison code of ordinances tree mitigation requirements.

NOTES:
 1. ONLY STAKE TREES THAT ARE NOT CAPABLE OF STANDING UPRIGHT WITHOUT FALLING OR LEANING.
 2. USE (3) TREE STABILIZER TREE TUBES PER TREE. PLACE +/- 120 DEGREES APART.
 3. INSTALL INSPECTION TUBE CAPS AND TREE TIES PER MANUFACTURER'S SPECIFICATIONS.
 4. REF. PLANTING NOTES FOR MORE INFORMATION.



04-DETAIL: TYPICAL TREE PLANTING

SCALE: 1/2"= 1'-0"

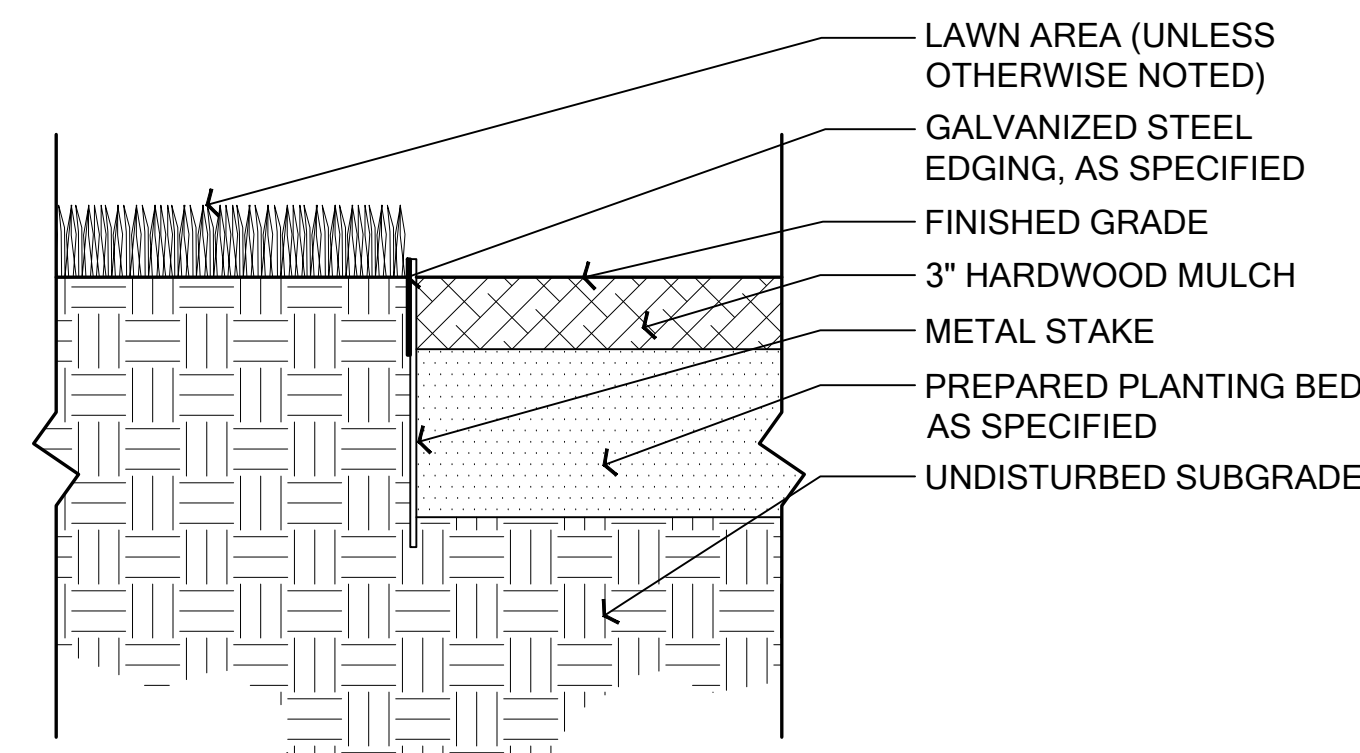


05-DETAIL: TREE BRANCH CLEARANCE

SCALE: 1/4"= 1'-0"

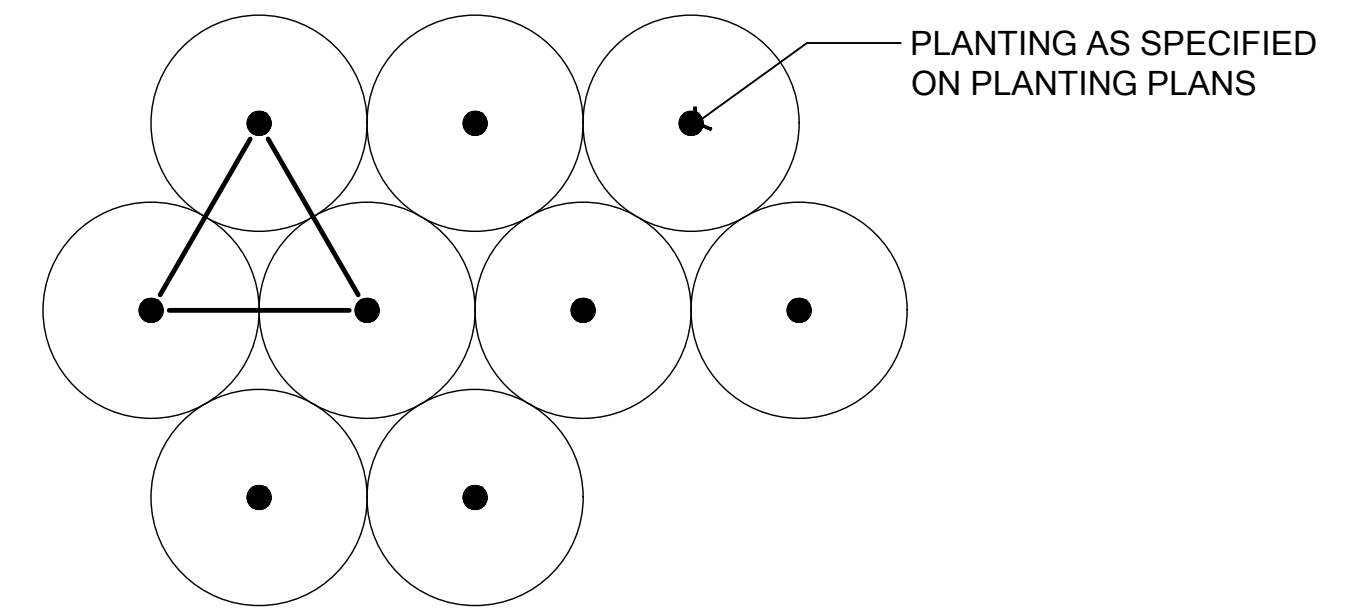
LANDSCAPE CALCULATIONS

Landscape Ordinance Calculations		TCA Middle School - Addison, Texas	
1. Landscape Site Area	SQ. FT.	108,900	Total Site Area (2.5 Acres)
		21,780	Landscape Site Area Required (20%)
		77,410	Landscape Site Area Provided



06-DETAIL: STEEL EDGING

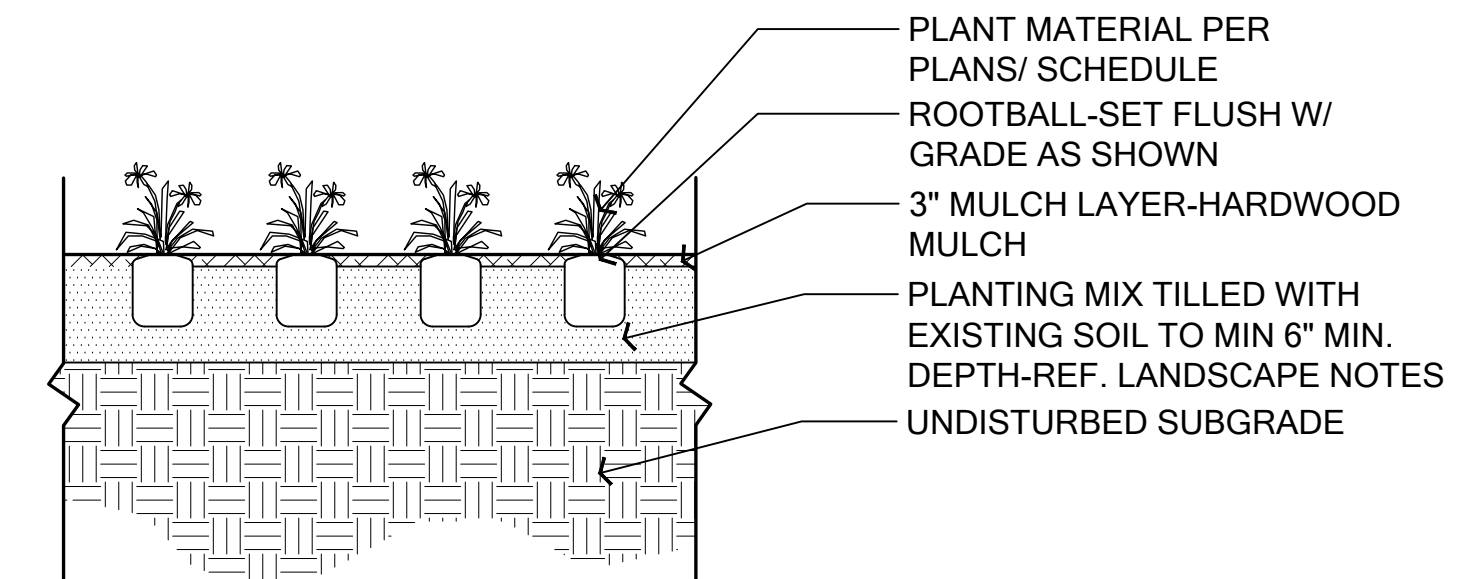
SCALE: 1/2"= 1'-0"



NOTE: THIS SPACING DIAGRAM REFERS TO ALL SHRUB, ORNAMENTAL GRASS, GROUND COVER, PERENNIAL AND SEASONAL COLOR PLANTINGS UNLESS OTHERWISE NOTED.

01-DETAIL: TYPICAL TRIANGULAR SPACING

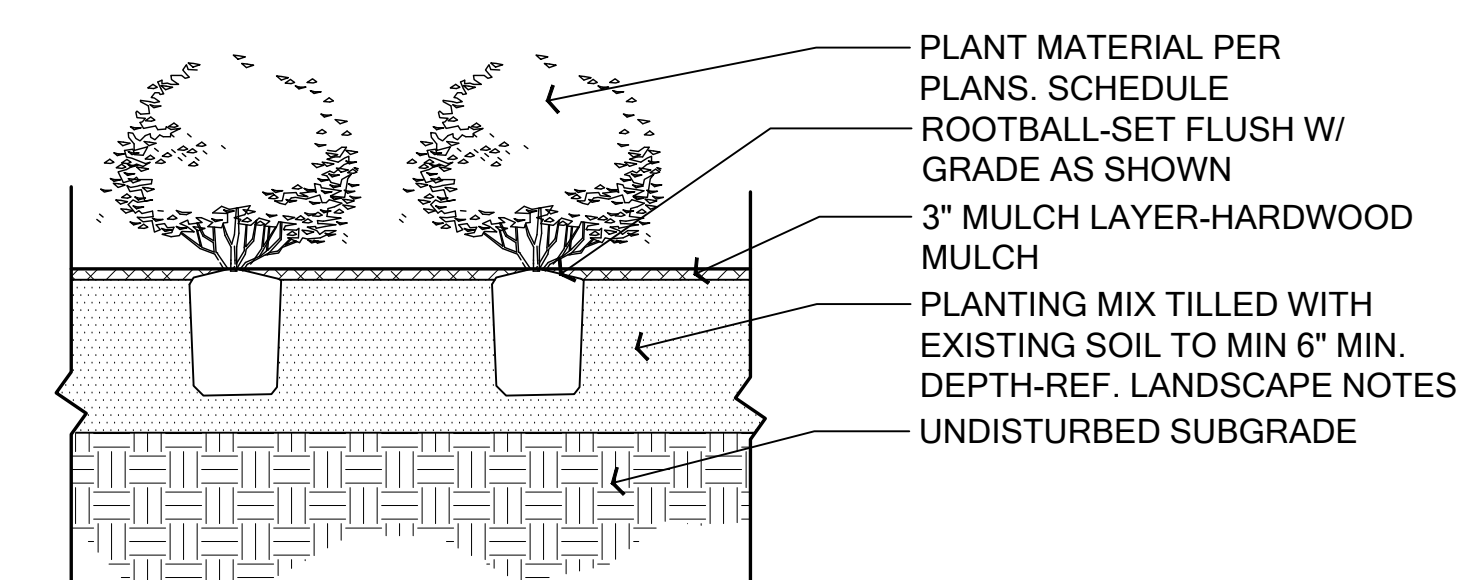
SCALE: 1/2"= 1'-0"



NOTE: THIS DETAIL REFERS TO ALL GROUND COVER, PERENNIAL, AND SEASONAL COLOR PLANTINGS UNLESS OTHERWISE NOTED.

02-DETAIL: TYPICAL GROUND COVER PLANTING

SCALE: 1/2"= 1'-0"



NOTE: THIS DETAIL REFERS TO ALL SHRUB AND ORNAMENTAL GRASS PLANTINGS UNLESS OTHERWISE NOTED.

03-DETAIL: TYPICAL SHRUB PLANTING

SCALE: 1/2"= 1'-0"

CURRENT ZONING: PD016-040
 TOWN PROJECT #: 1824-Z

TRINITY CHRISTIAN ACADEMY

LANDSCAPE DETAILS FOR APPROX. 2.5 ACRES OF

LOT 15, BLOCK 1B
 CARROLL ESTATES
 19.3 ACRES

SITUATED IN THE ELI SHEPHERD AND LEVI NOBES SURVEYS
 ABSTRACT NO. 1361 AND 1098
 TOWN OF ADDISON, DALLAS COUNTY, TEXAS
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 Contact: Jeffery W. Dolan, P.E.

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CAC Drawn

MSB Approved

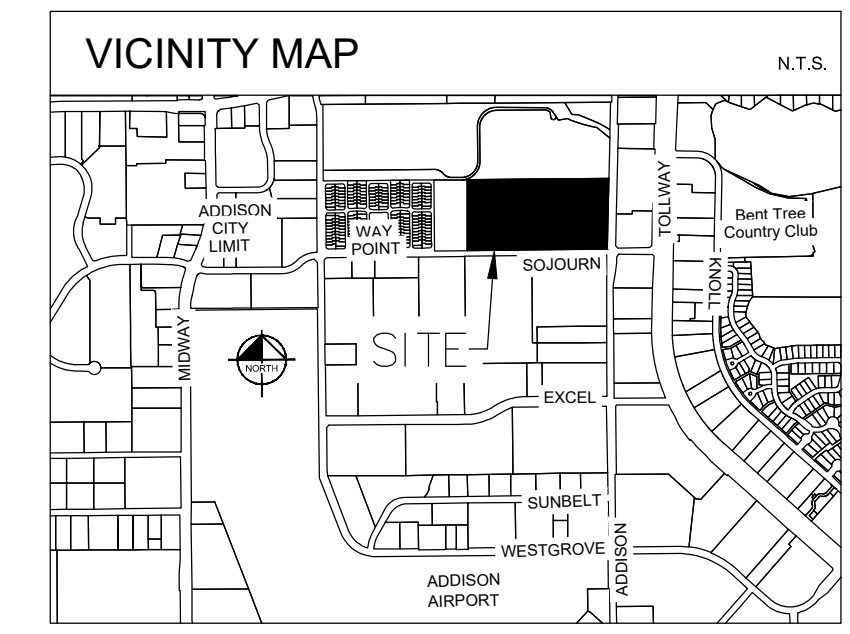
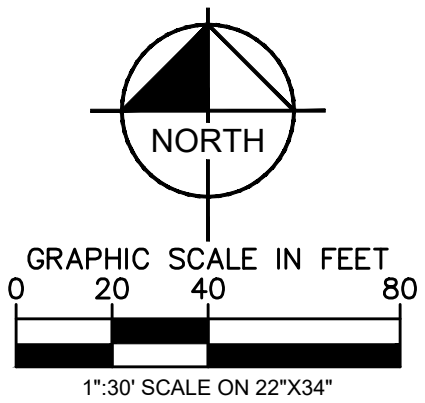
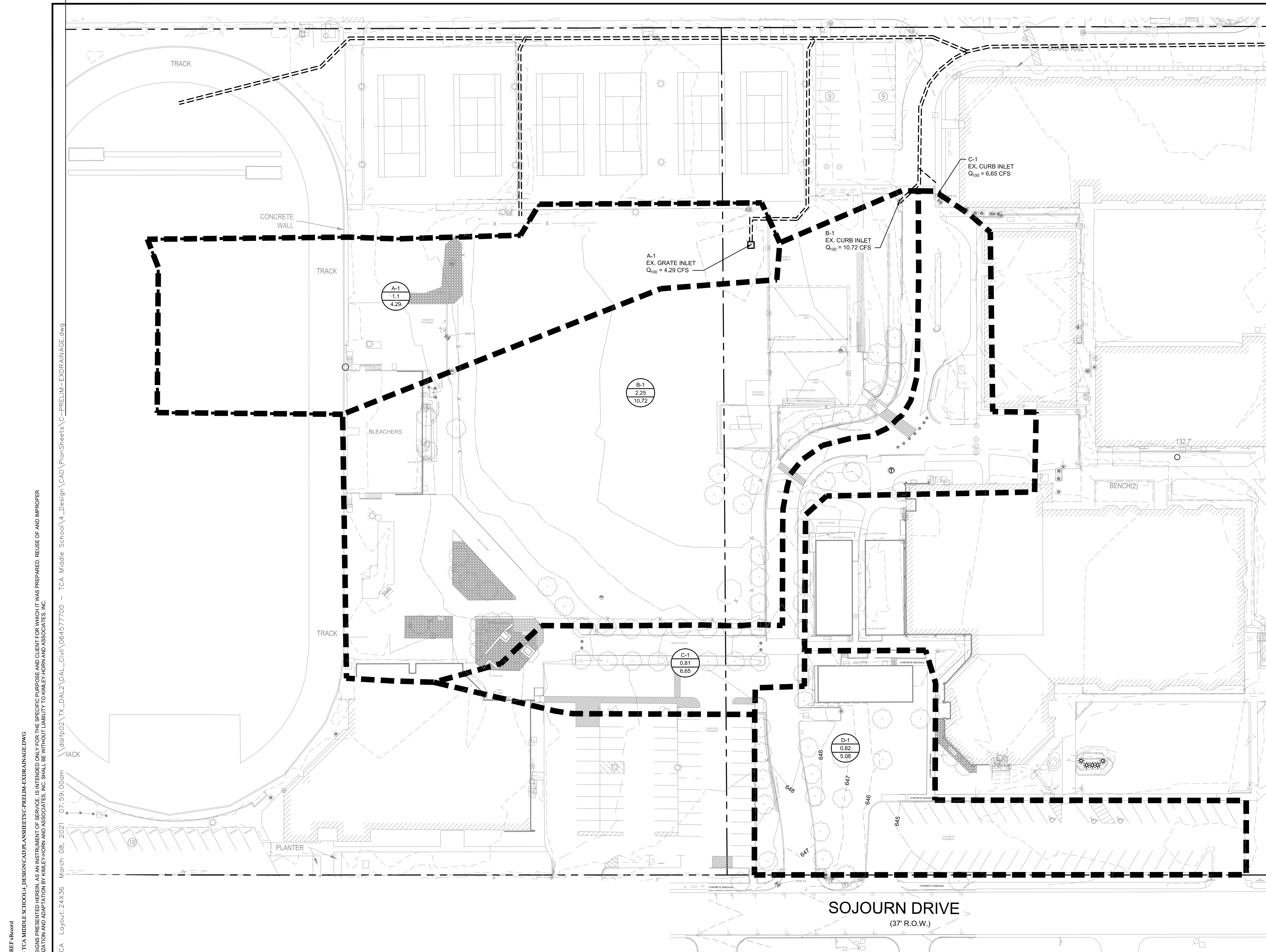
MARK S. BOWLES
 TEXAS LIC NO. 2767

03/08/2021

LANDSCAPE CALCULATIONS AND DETAILS

Project No. 20099.00
 Date 03.08.2021





- RUNOFF CALCULATIONS BASED ON CURRENTLY PUBLISHED TOWN OF ADDISON DRAINAGE CRITERIA MANUAL (APPROVED JULY 12, 2011).
 - EXISTING STORM SEWER SIZE AND LOCATION BASED ON AVAILABLE RECORD DRAWINGS OBTAINED FROM THE TOWN OF ADDISON.
- EXISTING TOPOGRAPHY BASED ON NORTH TEXAS LIDAR DATA AND ON-GROUND TOPOGRAPHIC SURVEY.

LEGEND	
PROPOSED DRAINAGE AREA BOUNDARY	-----
EXISTING STORM SEWER	-----
PROPOSED DRAINAGE AREA I.D. NUMBER	C
PROPOSED AREA (IN ACRES)	X.X
PROPOSED FLOW (IN CFS)	X.X

NO.	REVISIONS	DATE	BY

Kimley»Horn

13455 NOEL ROAD, SUITE 700 DALLAS, TEXAS
 PHONE: 972-770-1300 FAX: 972-289-9820
 KANSAS REGISTERED ENGINEERING FIRM E-480

FOR REVIEW ONLY
 Not for construction or permit purposes.

Kimley»Horn

Engineer: JEFFERY W. DOLLAN, P.E.
 P.E. No. 114628 Date: MARCH 2021

PROJECT No. 064519801	DATE: MARCH 8, 2021	SCALE: AS SHOWN	DESIGNED BY: TCP	DRAWN BY: HMB	CHECKED BY: JAD
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TRINITY CHRISTIAN ACADEMY
 17001 ADDISON ROAD,
 ADDISON, TEXAS 75001

ACTION	
APPROVED	DENIED
STAFF _____	_____
Date _____	Initials _____
COUNCIL _____	_____
Date _____	Initials _____

See the Staff Approval Letter or Council Result Memo for any conditions associated with the approval of the project.

CURRENT ZONING: PD016-040
 TOWN PROJECT #: 1824-Z

**TRINITY CHRISTIAN ACADEMY
 EXISTING DRAINAGE AREA MAP**

FOR
**APPROX. 2.5 ACRES OF
 LOT 15, BLOCK 1B
 CARROLL ESTATES
 19.3 ACRES**

SITUATED IN THE ELI SHEPARD AND LEVI NOBES SURVEYS
 ABSTRACT NO. 1361 AND 1098
 TOWN OF ADDISON, DALLAS COUNTY, TEXAS
 DATE: MARCH 8, 2021

DEVELOPER: CBRE
 2100 McKinney Avenue, Suite 700
 Dallas, TX 75201
 Tel. No. 214-707-3233
 Contact: Bill Pitts

ARCHITECT: GFF ARCHITECTS
 2808 Fairmont Street, Suite 300
 Dallas, Texas 75201
 Tel. No. 214-303-1500
 Contact: Jeremy Roehr, AIA

CIVIL ENGINEER: KIMLEY-HORN AND ASSOCIATES, INC.
 13455 Noel Road, Two Galleria Office Tower, Suite 700
 Dallas, Texas 75240
 Tel. No. 972-770-1300
 Contact: Jeffery W. Dollan, P.E.

TIME OF CONCENTRATION & LAG TIME EXISTING CONDITIONS TR-55 Methodology														
Basin	SHEET FLOW Tc = (0.007(nL)^0.8)/(P^2*0.5)(s^0.4) 2-year/24-hr Rainfall Depth (in.) from ISWM 3.600					SHALLOW CONCENTRATED FLOW Tc = L / 60*V					TOTAL TcTOTAL (min)			
	Length (ft)	Elev1 (ft)	Elev2 (ft)	Slope (ft/ft)	Manning's "n"	Tc1 (min)	Length (ft)	Elev1 (ft)	Elev2 (ft)	Slope (ft/ft)		Condition		
A-1	100	854.00	853.50	0.005	0.150	16.1	371	853.50	847.30	0.017	Unpaved	2.09	3.0	19.0
B-1	100	853.00	852.00	0.010	0.150	12.2	546	852.00	843.88	0.015	Unpaved	1.97	4.6	16.8
C-1	100	653.00	651.00	0.020	0.150	9.2	545	651.00	643.30	0.014	Paved	2.42	3.8	13.0
D-1	100	649.00	648.00	0.010	0.150	12.2	361	648.00	643.00	0.014	Paved	2.39	2.5	14.7

Existing Condition Summary						
Design Point	Drainage Area	Area (ac)	Weighted Runoff Coefficient	TOC (min)	Intensity (in/hr)	Q100 (cfs)
A	A-1	1.1	0.54	19.0	7.21	4.29
B	B-1	2.25	0.63	16.8	7.62	10.72
C	C-1	0.81	0.97	13.0	8.45	6.65
D	D-1	0.82	0.79	14.7	8.05	5.19

Existing Condition Weighted Runoff Coefficient Summary				
Drainage Area	Total Area	Impervious Area C = 1.0	Pervious Area C = 0.30	Weighted Runoff Coefficient
A-1	1.1	0.379	0.722	0.54
B-1	2.25	1.046	1.204	0.63
C-1	0.81	0.777	0.033	0.97
D-1	0.82	0.570	0.250	0.79

XREF: S&A, XREF: O&M, XREF: SUR, XREF: RECORD
 PLOTTED BY: PHILIP TESSA 3/8/2021 7:58 AM
 DWG NAME: \\DALPRD01\DAL_CIVIL\6457700 - TCA MIDDLE SCHOOL\DESIGN\CAD\MANIFESTS\C-PRELIM\EXDRAINAGE.DWG
 THIS DOCUMENT TOGETHER WITH THE CONCEPTS AND DESIGNS PRESENTED HEREIN AS AN INSTRUMENT OF SERVICE, IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF AND IMPROPER RELIANCE ON THE DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADAPTATION BY KIMLEY-HORN AND ASSOCIATES, INC. SHALL BE WITHOUT LIABILITY TO KIMLEY-HORN AND ASSOCIATES, INC.

Plotted By: Philip, Tessa Sheet Set: TCA Layout: 24x36 March 08, 2021 07:59:00am
 \\dalip02\TX_DAL2\DAL_Civil\6457700 - TCA Middle School\CAD\PlanSheets\C-PRELIM-EXDRAINAGE.dwg

