

SP019-008 - ROCKWALL HIGH SCHOOL
 SITE PLAN - LOCATION MAP =

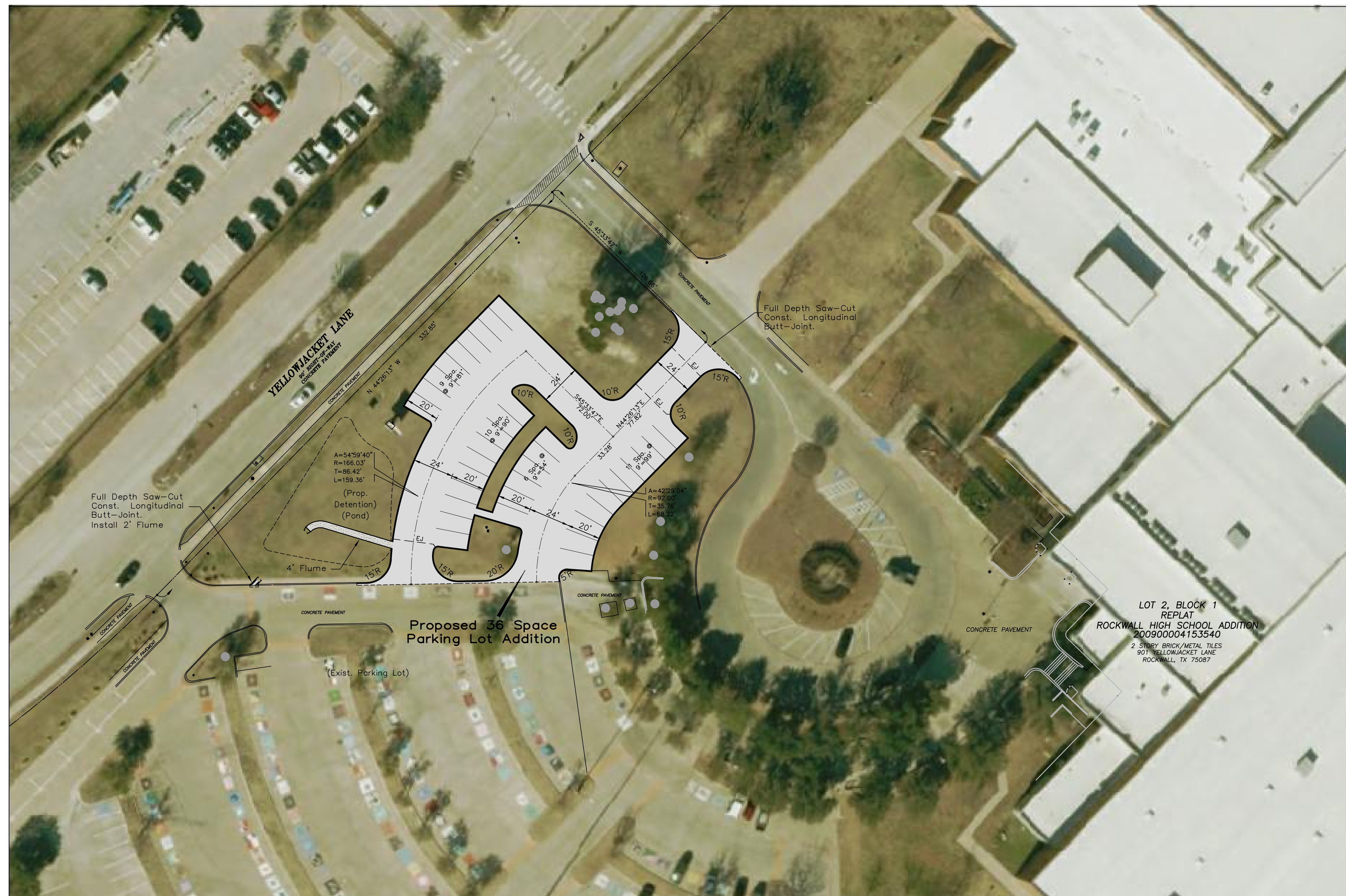
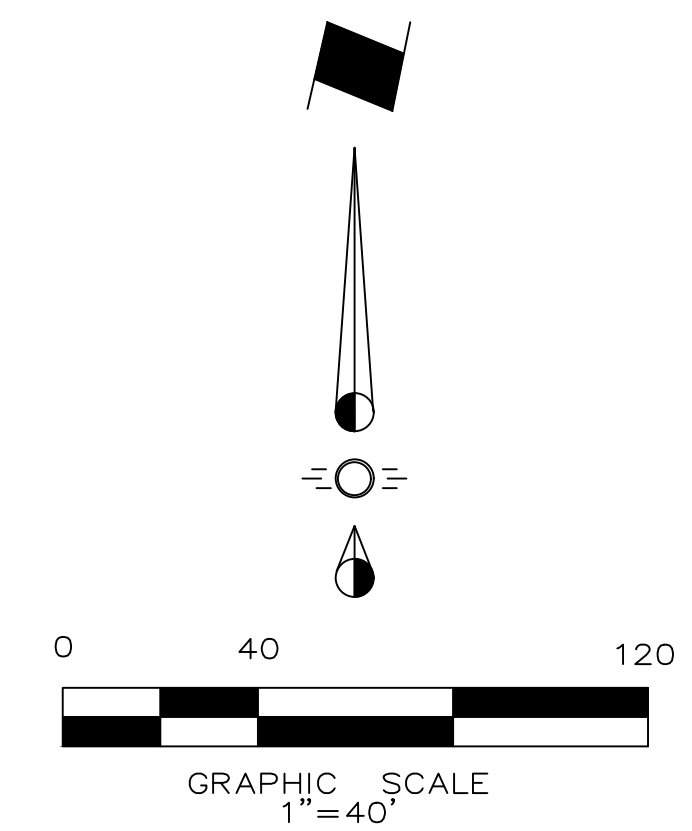


City of Rockwall

Planning & Zoning Department
 385 S. Goliad Street
 Rockwall, Texas 75032
 (P): (972) 771-7745
 (W): www.rockwall.com

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This Plan is To Be Used For Reference Only. Not To Be Used For Construction Or Engineering Purposes.

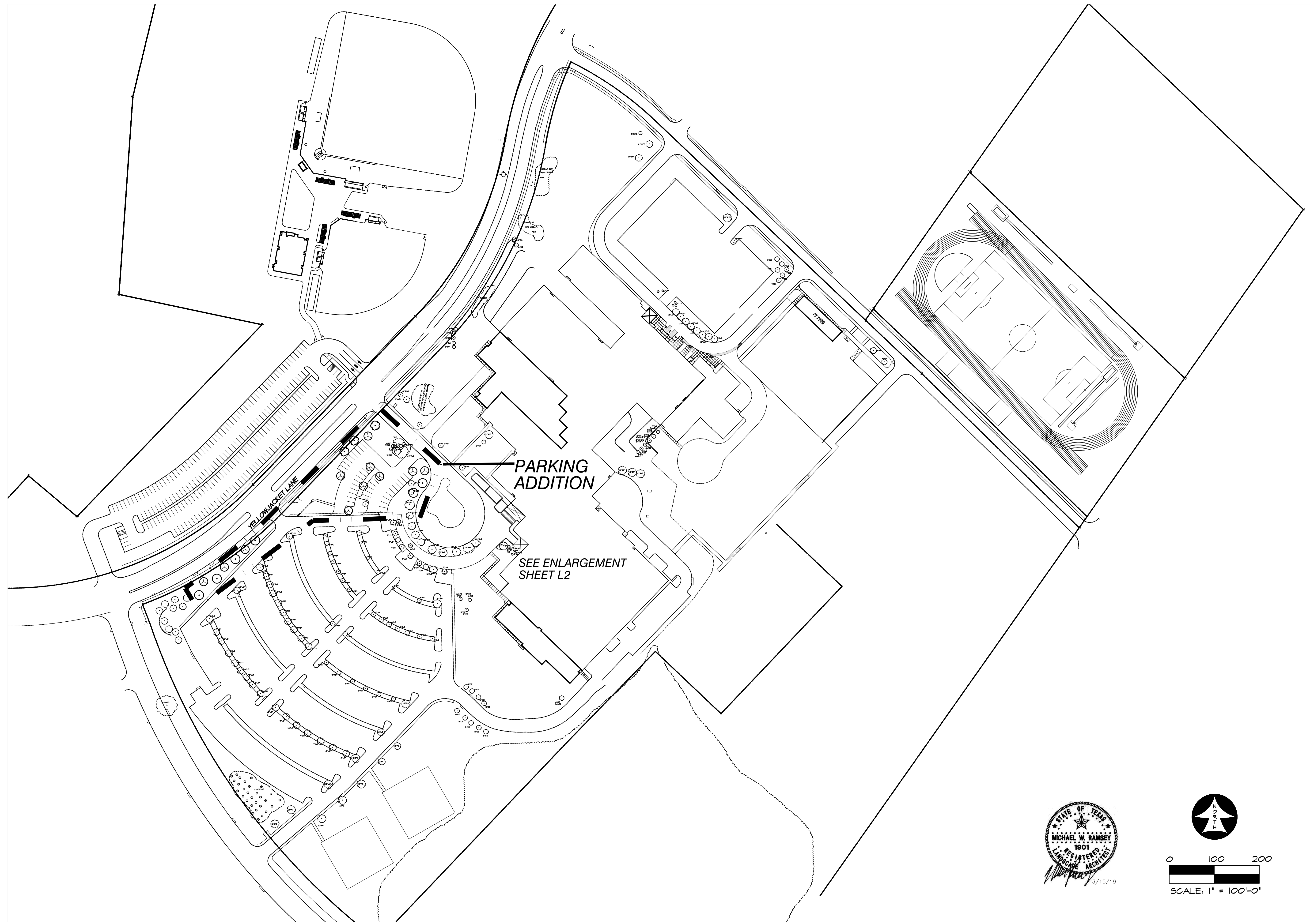
LEGEND	
	7" 3,600 PSI Reinf. Conc. Pavement (Min. 6.5 Sack Mix) No. 3 Bars 18" OCEW With 6" Compacted Subgrade

MISC. INFORMATION	REVISION	DATE	DESCRIPTION
NOTE: Prior to beginning any construction or construction staking, it shall be the Contractor's responsibility to contact the civil engineer to insure that all parties are in possession of the most current set of construction documents.			



RLK ENGINEERING, INC.
 111 West Main
 Allen, Texas 75013
 (972) 359-1733 Off
 (972) 359-1833 Fax
 Texas Registration No. 579

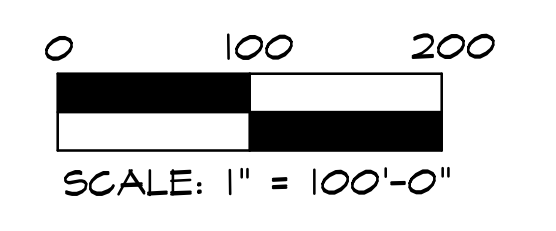
SITE PLAN				
ROCKWALL HIGH SCHOOL				
ROCKWALL, TEXAS				
DESIGNED BY: RLK Engineering	TECH REVIEW: RLK	DRAWING FILE: 18108 Site Plan.dwg	DRAWING SCALE: As Noted	SHEET:
DRAWN BY: RLK Engineering	PEER REVIEW: RLK	DRAWING DATE: 4-2-19	PROJECT NUMBER: RLK-18108	



PARKING
ADDITION

SEE ENLARGEMENT
SHEET L2

YELLOWJACKET LANE

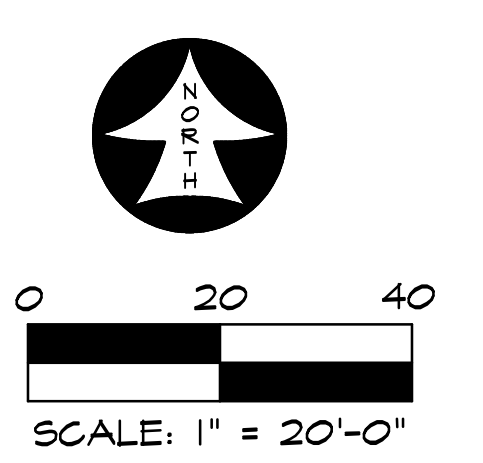
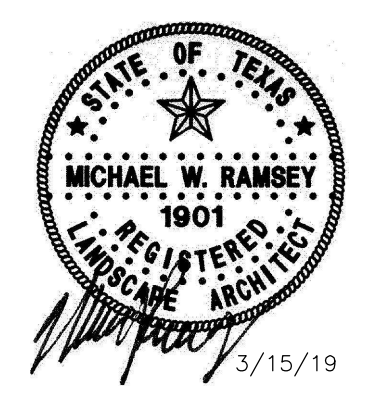
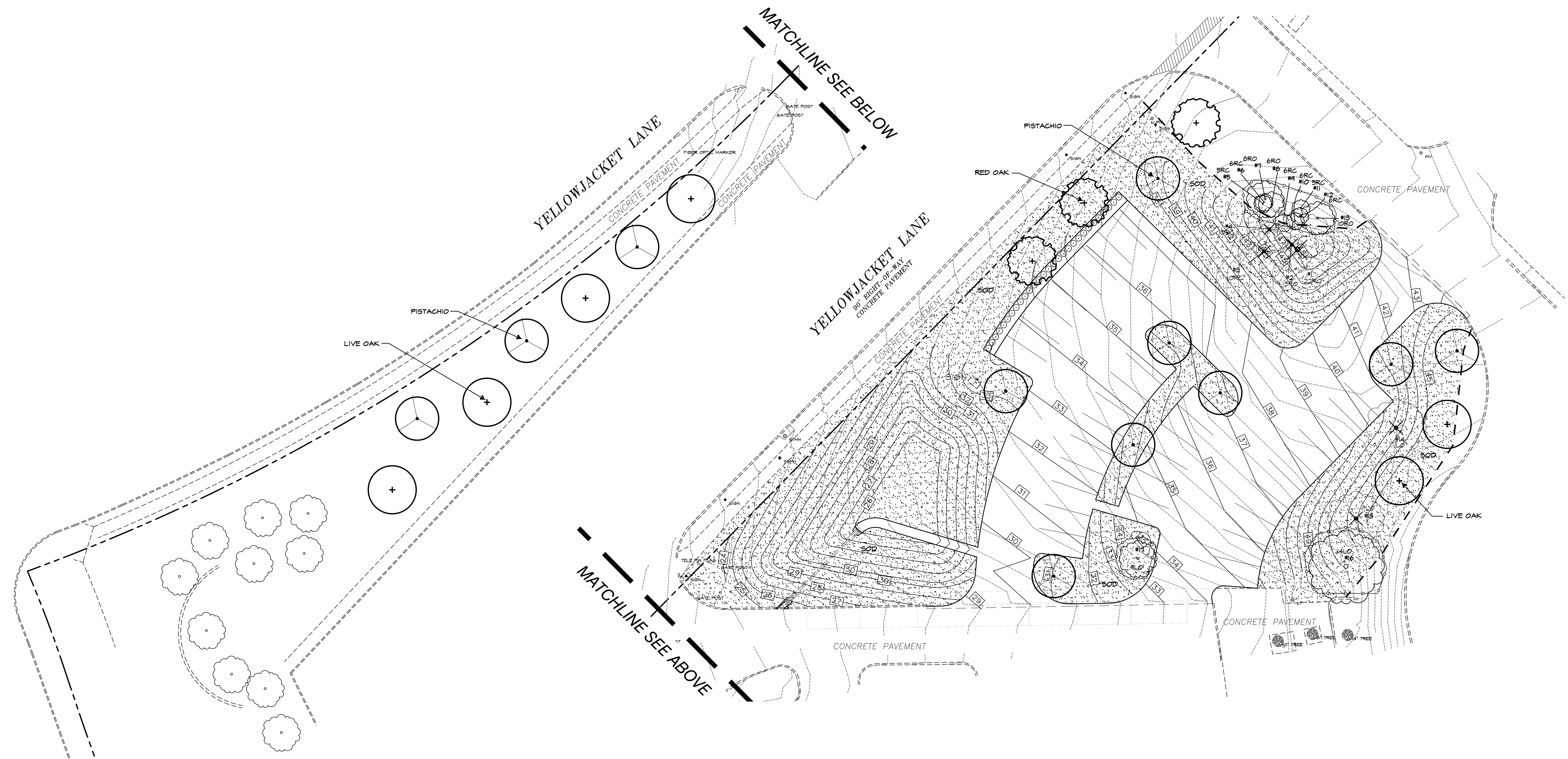


REVISION	DATE	DESCRIPTION
	3/15/2019	BID AND CONSTRUCTION

RAMSEY LANDSCAPE ARCHITECTS, LLC
11914 WISHING WELL CT.
FRISCO, TEXAS 75035
PHONE (972) 335-0889

OVERALL LANDSCAPE PLAN
ROCKWALL HIGH SCHOOL
ROCKWALL, TEXAS

DESIGNED BY: RLA
DRAWN BY: RLA
DRAWING SCALE: 1" = 100'
DRAWING DATE: 3/15/2019
SHEET: **L1** OF



REVISION	DATE	DESCRIPTION
	3/15/2019	BID AND CONSTRUCTION

RAMSEY LANDSCAPE ARCHITECTS, LLC
11914 WISHING WELL CT.
FRISCO, TEXAS 75035
PHONE (972) 335-0889

LANDSCAPE PLAN
ROCKWALL HIGH SCHOOL
ROCKWALL, TEXAS

DESIGNED BY: ALA	DRAWING SCALE: 1" = 20'	SHEET: L2 OF
DRAWN BY: ALA	DRAWING DATE: 3/15/2019	

EXISTING TREE CHART						
TREE #	SIZE	TYPE	DEM/SAVE	MITIGATE	CREDIT	MITIGATE
1	22	RED OAK	DEMO	-22	-	-22
2	13	RED OAK	DEMO	-13	-	-13
3	10	RED CEDAR	DEMO	-10	-	-10
4	10	RED CEDAR	DEMO	-10	-	-10
5	5	RED CEDAR	SAVE	-	-	0"
6	6	RED CEDAR	SAVE	-	-	0"
7	8	RED OAK	SAVE	-	-	0"
8	6	RED OAK	SAVE	-	-	0"
9	6	RED CEDAR	SAVE	-	-	0"
10	6	RED CEDAR	SAVE	-	-	0"
11	5	RED CEDAR	SAVE	-	-	0"
12	6	RED CEDAR	SAVE	-	-	0"
13	10	RED OAK	SAVE	-	-	0"
14	11	LIVE OAK	DEMO	-11	-	-11
15	11	LIVE OAK	DEMO	-11	-	-11
16	14	LIVE OAK	SAVE	-	-	0"
17	4	LIVE OAK	SAVE	-	-	0"
				MITIGATE	CREDIT	MITIGATE
				-77	0"	-77
PROPOSED TREES (20 X 4" =)						+80

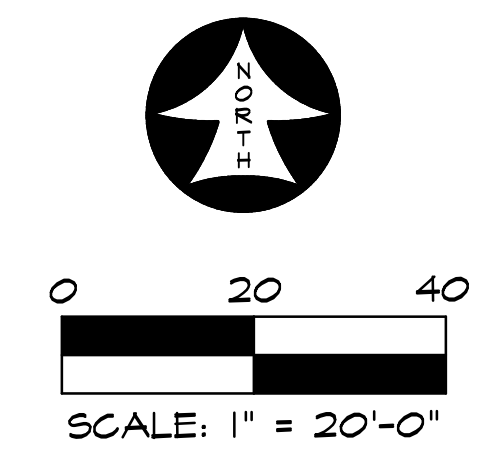
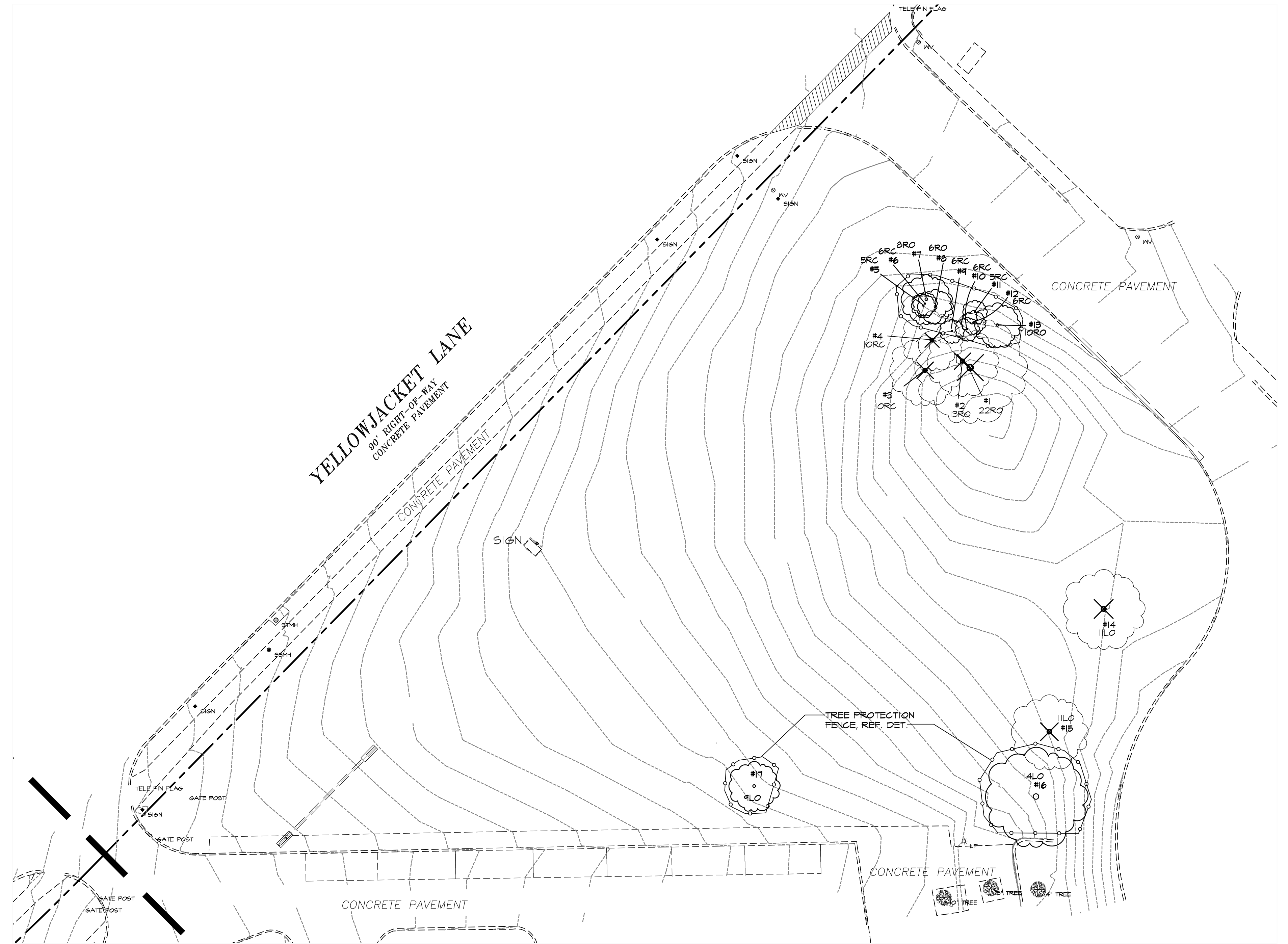
4" HIGH ORANGE PLASTIC FENCING W/ T-POSTS AT 8'-0" O.C. MAX.

LOCATE FENCE MIN. 2'-0" FROM DRIPLINE OF TREE.

EXISTING TREES

- EXISTING TREES WITHIN CONTRACT LIMITS ARE SHOWN ON THE DRAWINGS. EXISTING TREES DESIGNATED FOR REMOVAL SHALL BE FLAGGED AT THE PROJECT SITE WITH FLAGGING BY THE CONTRACTOR.
- PROTECT ALL INDIVIDUAL TREES OR GROUPS OF TREES TO BE PRESERVED BY ERECTING A BARRIER AROUND EACH TREE OR GROUP OF TREES. INSTALL AND MAINTAIN BARRIER AT TREE DRIPLINE. BARRIERS SHALL REMAIN IN PLACE UNTIL REMOVAL IS NECESSARY.
- IN THE EVENT THAT HEAVY CONSTRUCTION IS SCHEDULED TO OCCUR WITHIN THE DRIPLINE OF AN EXISTING TREE, CONTRACTOR SHALL ERECT A PROTECTION FENCE OUTSIDE THE DRIPLINE UNTIL THIS CONSTRUCTION IS SCHEDULED TO OCCUR. THE PROTECTION FENCE MAY THEN BE ADJUSTED AS REQUIRED TO COMPLETE THE PROPOSED CONSTRUCTION. AFTER CONSTRUCTION IN THIS AREA IS COMPLETED, THE PROTECTION FENCE SHALL BE ADJUSTED TO ITS ORIGINAL LOCATION.
- CONTRACTORS SHALL NOT PARK, CLEAN TOOLS AND EQUIPMENT OR STORE MATERIALS WITHIN THE DRIPLINE OF ANY TREE.
- ALL ROOTS OVER 1" IN DIAMETER SHALL BE CUT CLEAN WITH A HAND SAW.

TREE PROTECTION FENCE AND NOTES
SCALE: N.T.S.



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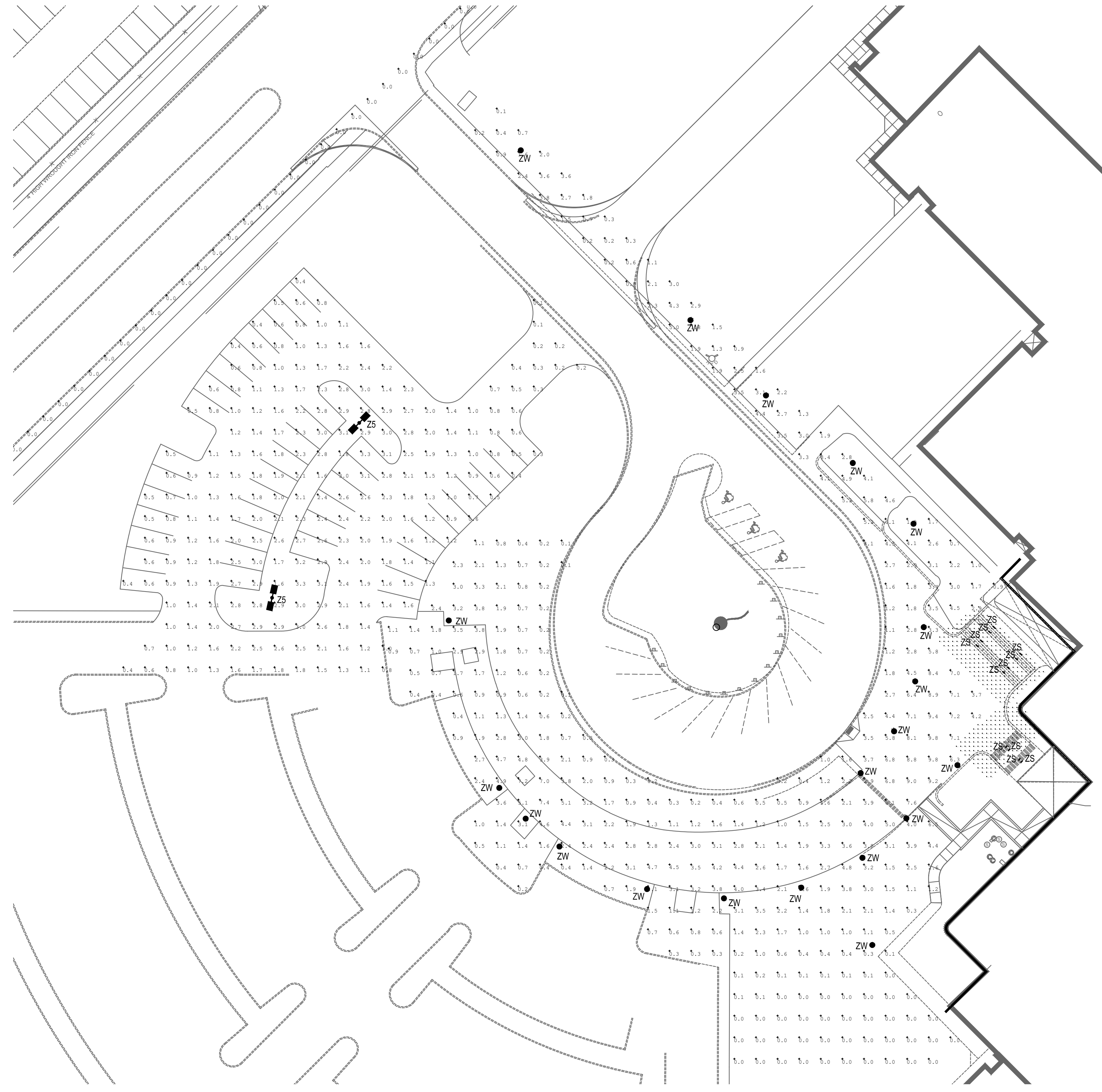
TREESCAPE PLAN
ROCKWALL HIGH SCHOOL
ROCKWALL, TEXAS

DESIGNED BY: RLA
DRAWING SCALE: 1" = 20'
DRAWN BY: RLA
DRAWING DATE: 3/15/2019

SHEET: **L3** OF

PHOTOMETRIC CALCULATIONS GENERAL NOTES
(SOME NOTES MAY NOT BE USED)

1. THESE PLANS ARE ACCURATE AND DESIGNED IN COMPLIANCE WITH AND MEET THE REQUIREMENTS OF THE CITY OF ROCKWALL OUTDOOR LIGHTING ORDINANCE IN EFFECT AT THE TIME OF THE SUBMISSION OF PLANS.
2. ALL CALCULATIONS SHOWN ARE AT THE GROUND LEVEL AND ARE MEASURED HORIZONTALLY.
3. LIGHTING CALCULATIONS HAVE BEEN PRODUCED USING AGI32 LIGHTING SOFTWARE BY LIGHTING ANALYSTS, INC.



Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	Max/Min
East Stair	Illuminance	Fc	3.10	21.7	0.4	54.25
North Stair	Illuminance	Fc	5.02	86.3	0.1	863.00
Parking Lot	Illuminance	Fc	1.59	3.3	0.1	33.00
Property Line	Illuminance	Fc	0.00	0.0	0.0	N.A.
Walkway	Illuminance	Fc	2.14	9.8	0.0	N.A.

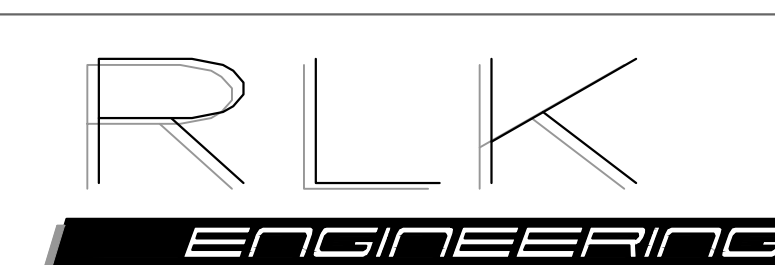
1 LIGHTING PHOTOMETRIC SITE PLAN
1"=30'-0"

EMA Engineering and Consulting
Tyler • Austin • Houston
Phone: 1-800-933-0538
TBPE Firm Registration No. F-893
www.estesmcclure.com

SUBMISSION OF BID WILL BE CONSIDERED ACKNOWLEDGMENT THAT THE CONTRACTOR HAS VISITED THE SITE AND HAS VERIFIED ALL EXISTING JOB CONDITIONS AND INCLUDED ANY NECESSARY MODIFICATION TO EXISTING AND NEW WORK REQUIRED FOR INSTALLATION OF A COMPLETE AND WORKING SYSTEM.

Feb 28, 2019 - 1:24pm User: kddm

MISC. INFORMATION	REVISION	DATE	DESCRIPTION
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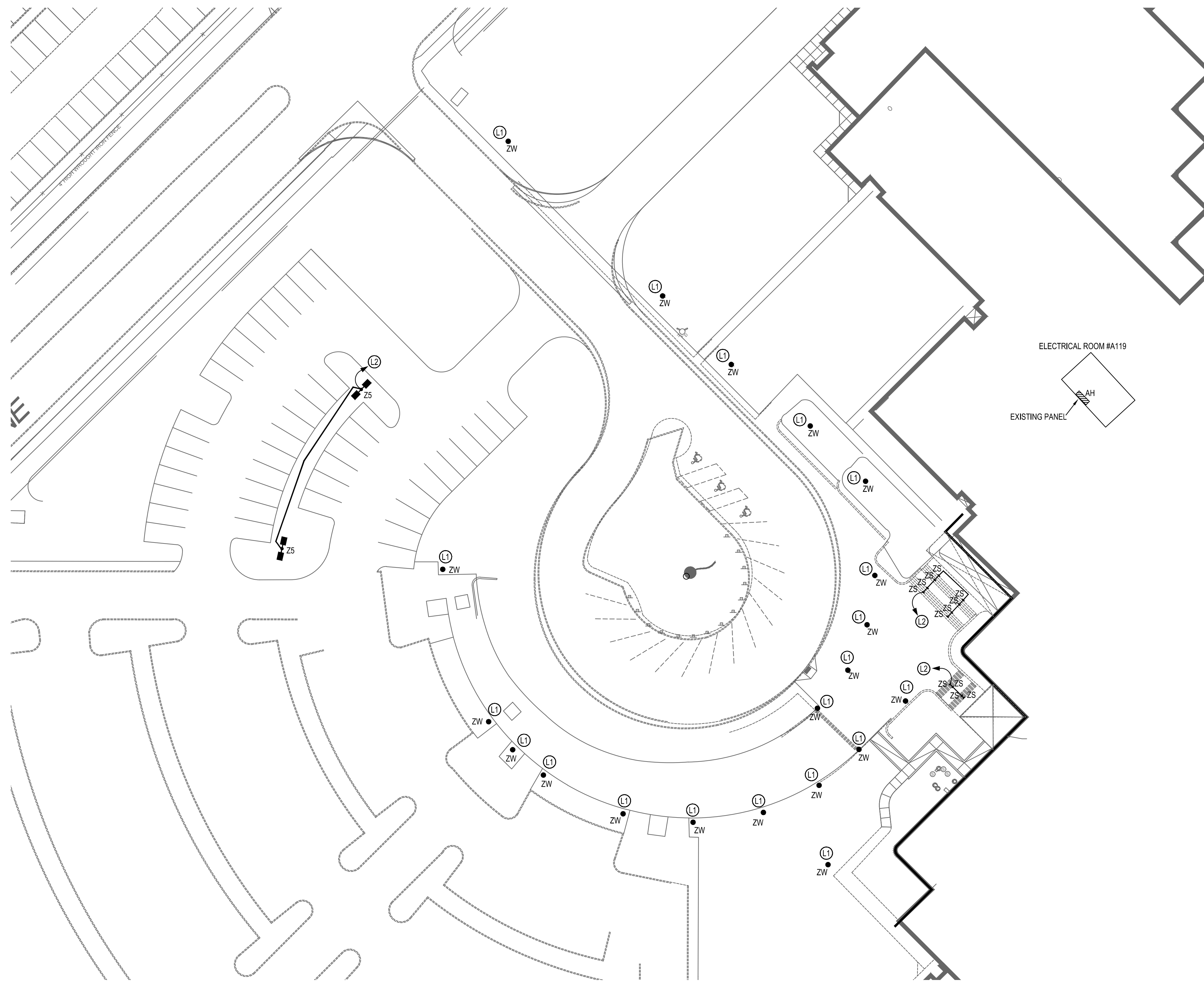


RLK ENGINEERING, INC.
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Texas Registration No. 579



LIGHTING PHOTOMETRIC SITE PLAN
ROCKWALL HIGH SCHOOL
ROCKWALL, TEXAS

DESIGNED BY: RLK Engineering	TECH REVIEW: RLK	DRAWING FILE:	DRAWING SCALE:	SHEET:
DRAWN BY: RLK Engineering	PEER REVIEW: RLK	DRAWING DATE: 02-28-19	PROJECT NUMBER: RLK: 18108	ES1.02



ELECTRICAL SITE GENERAL NOTES
(SOME NOTES MAY NOT BE USED)

- CONTRACTORS AND SUBCONTRACTORS SHALL VERIFY LOCATION, CONDUCT TEST AND INSPECTIONS, COORDINATE WITH UTILITIES, OWNER'S REPRESENTATIVES, AND CHECK FOR ALL UNDERGROUND UTILITIES AND LINES BEFORE DITCHING TAKES PLACE. CONTRACTOR AND SUBCONTRACTORS PERFORMING THESE DUTIES SHALL BE RESPONSIBLE FOR ANY REPAIRS OF CUT OR DAMAGED LINES AND UTILITIES NOT SHOWN ON PLANS.
- PROVIDE SEPARATE CONTACTORS FOR INDEPENDENT CONTROL OF THE FOLLOWING:
 - WALL PACKS
 - SOFFIT LIGHTS
 - FLAG POLE LIGHTS
 - WALKWAY LIGHTS
 - PARKING LOT LIGHTS DESIGNATED AS SECURITY LIGHTS
 - EACH INDIVIDUAL PARKING LOT

LIGHTING GENERAL NOTES
(SOME NOTES MAY NOT BE USED)

- ALL LUMINAIRES ARE TO BE TYPE "ZW" UNLESS OTHERWISE NOTED.
- REFER TO SPECIFICATIONS, LUMINAIRE SCHEDULE, AND LIGHTING CONTROL CHART FOR ADDITIONAL REQUIREMENTS AND MORE INFORMATION.
- CONTROL ALL EXTERIOR LUMINAIRES BY THE ENERGY MANAGEMENT CONTROL SYSTEM AND PHOTO EYE, AS SPECIFIED. THIS CONTRACTOR SHALL PROVIDE ALL MECHANICALLY HELD LIGHTING CONTACTORS, REMOTE CONTROL RELAYS, AND WIRING TO EMCS.
- SEE POLE BASE DETAIL AND SURFACE MOUNT INSTALL DETAIL FOR LIGHTING SUPPORT.
- EXISTING LUMINAIRES REMOVED AND NOT REUSED SHALL REMAIN PROPERTY OF THE OWNER.

LIGHTING PLAN NOTES
(SOME NOTES MAY NOT BE USED)

- EXISTING WALKWAY POLE LUMINAIRE TO BE REMOVED AND REPLACED WITH LUMINAIRE TYPE NOTED. EXISTING POLE IS ROUND AND APPEARS TO BE 4" AND GRAY. CONTRACTOR TO VERIFY POLE SIZE AND COLOR PRIOR TO ORDERING. REUSE EXISTING LIGHTING CIRCUIT TO POWER NEW LUMINAIRES.
- PROVIDE POWER TO ALL NEW LUMINAIRES FROM ONE EXISTING AVAILABLE SPARE BREAKER OR FROM EXISTING AVAILABLE SPACE IN 277/480V PANEL AH. PROVIDE ONE NEW 1P 20A BREAKER WITH #8 WIRE. EXTEND CONDUIT AND WIRING AS NECESSARY.

1 LIGHTING SITE PLAN
1"=30'-0"

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Feb 28, 2019 - 1:23pm User: ksdgm

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Texas Registration No. 579

Catherine Hollenhead
103572
STATE OF TEXAS
LICENSED PROFESSIONAL ENGINEER
2-28-19

LIGHTING SITE PLAN		ROCKWALL HIGH SCHOOL		ROCKWALL, TEXAS	
DESIGNED BY: RLK Engineering	TECH REVIEW: RLK	DRAWING FILE:	DRAWING SCALE:	SHEET:	
DRAWN BY: RLK Engineering	PEER REVIEW: RLK	DRAWING DATE: 02-28-19	PROJECT NUMBER: RLK: 18108	ES1.01	