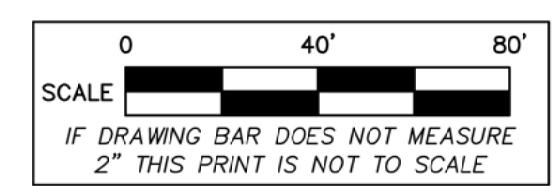
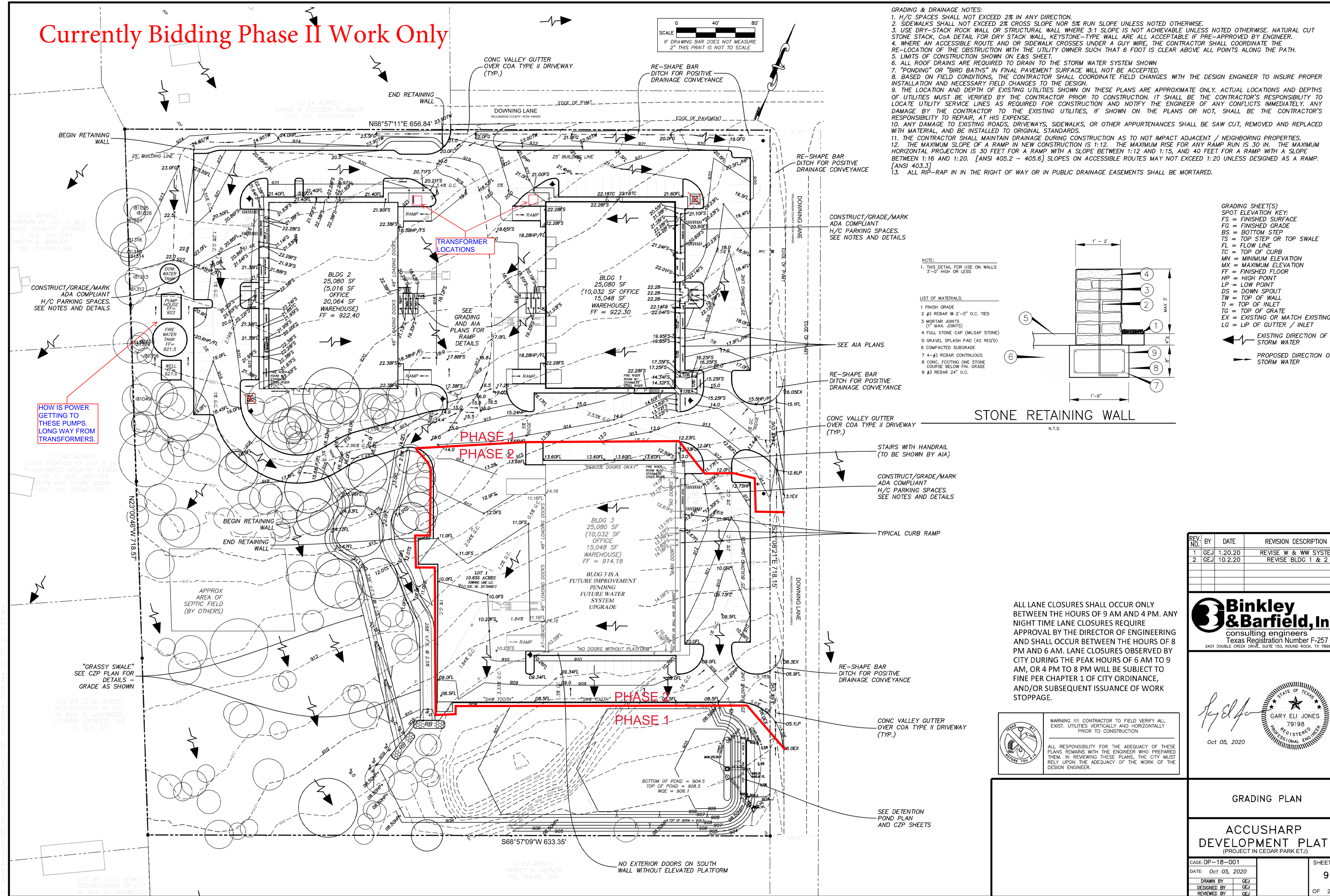


Currently Bidding Phase II Work Only

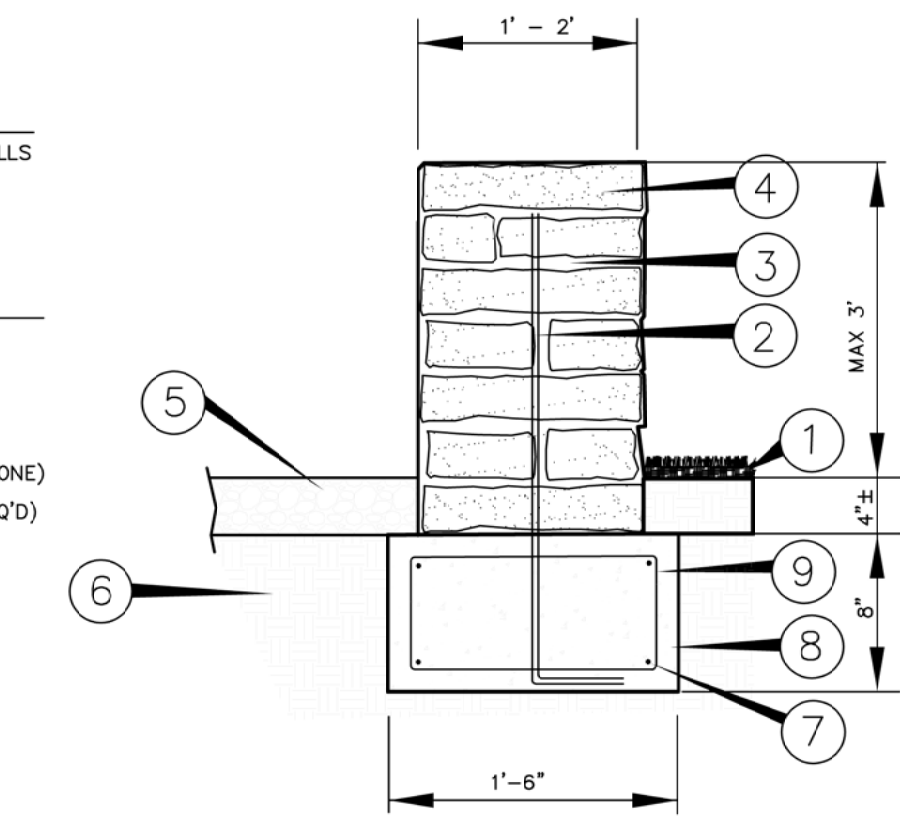


- GRADING & DRAINAGE NOTES:**
1. H/C SPACES SHALL NOT EXCEED 2% IN ANY DIRECTION.
 2. SIDEWALKS SHALL NOT EXCEED 2% CROSS SLOPE NOR 5% RUN SLOPE UNLESS NOTED OTHERWISE.
 3. USE DRY-STACK ROCK WALL OR STRUCTURAL WALL WHERE 3:1 SLOPE IS NOT ACHIEVABLE UNLESS NOTED OTHERWISE. NATURAL CUT STONE STACK, COA DETAIL FOR DRY STACK WALL, KEYSTONE-TYPE WALL ARE ALL ACCEPTABLE IF PRE-APPROVED BY ENGINEER.
 4. WHERE AN ACCESSIBLE ROUTE AND OR SIDEWALK CROSSES UNDER A GUY WIRE, THE CONTRACTOR SHALL COORDINATE THE RE-LOCATION OF THE OBSTRUCTION WITH THE UTILITY OWNER SUCH THAT 6 FOOT IS CLEAR ABOVE ALL POINTS ALONG THE PATH.
 5. LIMITS OF CONSTRUCTION SHOWN ON E&S SHEET.
 6. ALL ROOF DRAINS ARE REQUIRED TO DRAIN TO THE STORM WATER SYSTEM SHOWN.
 7. "PONDING" OR "BIRD BATHS" IN FINAL PAVEMENT SURFACE WILL NOT BE ACCEPTED.
 8. BASED ON FIELD CONDITIONS, THE CONTRACTOR SHALL COORDINATE FIELD CHANGES WITH THE DESIGN ENGINEER TO INSURE PROPER INSTALLATION AND NECESSARY FIELD CHANGES TO THE DESIGN.
 9. THE LOCATION AND DEPTH OF EXISTING UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE ONLY. ACTUAL LOCATIONS AND DEPTHS OF UTILITIES MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE UTILITY SERVICE LINES AS REQUIRED FOR CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY CONFLICTS IMMEDIATELY. ANY DAMAGE BY THE CONTRACTOR TO THE EXISTING UTILITIES, IF SHOWN ON THE PLANS OR NOT, SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR, AT HIS EXPENSE.
 10. ANY DAMAGE TO EXISTING ROADS, DRIVEWAYS, SIDEWALKS, OR OTHER APPURTENANCES SHALL BE SAW CUT, REMOVED AND REPLACED WITH MATERIAL, AND BE INSTALLED TO ORIGINAL STANDARDS.
 11. THE CONTRACTOR SHALL MAINTAIN DRAINAGE DURING CONSTRUCTION AS TO NOT IMPACT ADJACENT / NEIGHBORING PROPERTIES.
 12. THE MAXIMUM SLOPE OF A RAMP IN NEW CONSTRUCTION IS 1:12. THE MAXIMUM RISE FOR ANY RAMP RUN IS 30 IN. THE MAXIMUM HORIZONTAL PROJECTION IS 30 FEET FOR A RAMP WITH A SLOPE BETWEEN 1:12 AND 1:15, AND 40 FEET FOR A RAMP WITH A SLOPE BETWEEN 1:16 AND 1:20. [ANSI 405.2 - 405.6] SLOPES ON ACCESSIBLE ROUTES MAY NOT EXCEED 1:20 UNLESS DESIGNED AS A RAMP. [ANSI 403.3]
 13. ALL RIP-RAP IN IN THE RIGHT OF WAY OR IN PUBLIC DRAINAGE EASEMENTS SHALL BE MORTARED.



NOTE:
1. THIS DETAIL FOR USE ON WALLS
3'-0" HIGH OR LESS

- LIST OF MATERIALS:**
- 1 FINISH GRADE
 - 2 #3 REBAR @ 2'-0" O.C. TIED
 - 3 MORTAR JOINTS (1" MAX. JOINTS)
 - 4 FULL STONE CAP (MILSAP STONE)
 - 5 GRAVEL SPLASH PAD (AS REQ'D)
 - 6 COMPACTED SUBGRADE
 - 7 4-#3 REBAR CONTINUOUS
 - 8 CONC. FOOTING ONE STONE COURSE BELOW FIN. GRADE
 - 9 #3 REBAR 24" O.C.



STONE RETAINING WALL
N.T.S.

- GRADING SHEET(S)**
SPOT ELEVATION KEY:
FS = FINISHED SURFACE
FG = FINISHED GRADE
BS = BOTTOM STEP
TS = TOP STEP OR TOP SWALE
FL = FLOW LINE
TC = TOP OF CURB
MN = MINIMUM ELEVATION
MX = MAXIMUM ELEVATION
FF = FINISHED FLOOR
HP = HIGH POINT
LP = LOW POINT
DS = DOWN SPOUT
TW = TOP OF WALL
TI = TOP OF INLET
TG = TOP OF GRATE
EX = EXISTING OR MATCH EXISTING
LG = LIP OF GUTTER / INLET
- EXISTING DIRECTION OF STORM WATER
PROPOSED DIRECTION OF STORM WATER

HOW IS POWER GETTING TO THESE PUMPS. LONG WAY FROM TRANSFORMERS.

ALL LANE CLOSURES SHALL OCCUR ONLY BETWEEN THE HOURS OF 9 AM AND 4 PM. ANY NIGHT TIME LANE CLOSURES REQUIRE APPROVAL BY THE DIRECTOR OF ENGINEERING AND SHALL OCCUR BETWEEN THE HOURS OF 8 PM AND 6 AM. LANE CLOSURES OBSERVED BY CITY DURING THE PEAK HOURS OF 6 AM TO 9 AM, OR 4 PM TO 8 PM WILL BE SUBJECT TO FINE PER CHAPTER 1 OF CITY ORDINANCE, AND/OR SUBSEQUENT ISSUANCE OF WORK STOPPAGE.



WARNING !!! CONTRACTOR TO FIELD VERIFY ALL EXIST. UTILITIES VERTICALLY AND HORIZONTALLY PRIOR TO CONSTRUCTION

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

REV. NO.	BY	DATE	REVISION DESCRIPTION
1	GEJ	1.20.20	REVISE W & WW SYSTEM
2	GEJ	10.2.20	REVISE BLDG 1 & 2

Binkley & Barfield, Inc.
consulting engineers
Texas Registration Number F-257
2401 DOUBLE CREEK DRIVE, SUITE 150, ROUND ROCK, TX 78664

GARY ELI JONES
79198
REGISTERED PROFESSIONAL ENGINEER
Oct 05, 2020

GRADING PLAN	
ACCUSHARP DEVELOPMENT PLAT (PROJECT IN CEDAR PARK ETJ.)	
CASE: DP-18-001	SHEET
DATE: Oct 05, 2020	9
DRAWN BY: GEJ	OF 25
DESIGNED BY: GEJ	
REVIEWED BY: GEJ	