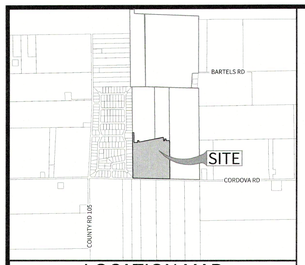


LOCATION MAP
N.T.S.

LEGEND

- PROPOSED SEWER LINE — XXX LF XX" SS
- EXISTING SEWER LINE — EX. XXX LF XX" SS
- PROPOSED WATER LINE — XX" W
- PROPOSED MANHOLE
- EXISTING MANHOLE
- MILL & OVERLAY HATCH
- OPEN TRENCH

OWNER/DEVELOPER:
ASHTON WOODS HOMES
CONTACT PERSON: KYLE LENTS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO,TX 78232
TEL: (210) 632-0753

CIVIL ENGINEER:
M.W. CUDE ENGINEERS, L.L.C.
CONTACT PERSON: DAVID CUPIT, P.E.
4122 POND HILL ROAD, SUITE 101
SAN ANTONIO, TX 78231
TEL: (210) 681-2951
FAX: (210) 523-7112

SCALE: 1"=80'
0 80 160

NOTES:
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING 98% COMPACTION ON ALL TRENCH BACKFILL AND PAYING FOR THE TESTS TO BE PERFORMED BY A THIRD PARTY. COMPACTION TEST WILL BE DONE AT ONE LOCATION POINT RANDOMLY SELECTED OR AS INDICATED BY THE INSPECTOR/TEST ADMINISTER, PER EACH 12-INCH LOOSE LIFT PER 400 LINEAR FEET AT A MINIMUM. THIS PROJECT WILL NOT BE ACCEPTED AND FINALIZED BY CITY OF SEGUIN WITHOUT THIS REQUIREMENT BEING MET AND VERIFIED BY PROVIDING ALL NECESSARY DOCUMENTED TEST RESULTS.
2. CONTRACTOR TO MAINTAIN A MINIMUM 2' VERTICAL SEPARATION DISTANCE BETWEEN OF THE BOTTOM EXISTING WATER MAIN AND TOP OF PROPOSED SANITARY SEWER MAIN AT WATER AND SANITARY SEWER CROSSINGS.
3. ALL SANITARY SEWER PIPE SHALL BE P.V.C. THAT MEETS ASTM SPECIFICATION D-3034, SDR-26 UNLESS OTHERWISE NOTED.
4. ALL LATERALS TO BE INSTALLED @ MIN. 2.0% SLOPE. UNLESS OTHERWISE NOTED.
5. LATERALS TO BE BUILT TO FRONT UTILITY EASEMENT LINE OR SANITARY SEWER EASEMENT LINE.
6. ALL EXCAVATED MATERIAL SHALL BE PLACED ON THE UPGRADIENT SIDE OF THE SEWER TRENCH THUS ALLOWING THE TRENCH TO INTERCEPT ANY SILT CONTAMINATED RUNOFF.
7. THE LOCATIONS AND DEPTHS OF ALL EXISTING UTILITIES, INCLUDING SERVICE LATERALS AND DRAINAGE STRUCTURES SHOWN ON THE PLANS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION AND DEPTHS OF UNDERGROUND UTILITIES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION WHETHER SHOWN ON PLANS OR NOT, AND TO PROTECT THE SAME DURING CONSTRUCTION.
8. ALL SANITARY SEWER MANHOLES SHALL BE 4' UNLESS OTHERWISE NOTED ON THE PLANS.
9. SANITARY SEWER CLEANOUTS SHALL NOT BE LOCATED WITHIN SIDEWALKS AND/OR DRIVEWAYS.
10. CONTRACTOR IS RESPONSIBLE FOR SHORING AS DEEMED NECESSARY.
11. THE CONTRACTOR SHALL BE AWARE THAT EXISTING OVERHEAD ELECTRIC, 4" & 8" WATER MAINS EXIST ALONG CORDOVA ROAD. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE THESE UTILITIES LOCATED, POTHOLED TO VERIFY DEPTH, AND COMPARE WITH THE GEOTECH REPORT PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING IN THIS AREA. ANY DAMAGE DONE TO THESE EXISTING FACILITIES WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR.
12. CONTRACTOR TO NOTIFY THE CITY OF SEGUIN AND SPRINGS HILL WATER SUPPLY 24 HOURS PRIOR TO CONSTRUCTION COMMENCEMENT.
13. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITTING.
14. CONTRACTOR TO PERFORM CONSTRUCTION ONLY DURING THE WORKING HOURS SET BY THE CITY OF SEGUIN.
15. CONTRACTOR IS RESPONSIBLE TO REVEGETATING ALL DISTURBED LIMITS OF THE EXISTING CORDOVA ROAD RIGHT OF WAY UPON COMPLETION OF GRADING AND IMPROVEMENTS.
16. CONTRACTOR IS RESPONSIBLE FOR PROVIDING POSITIVE DRAINAGE AT ALL TIMES DURING CONSTRUCTION.
17. CONTRACTOR IS REQUIRED TO PROVIDE ACCESS TO ADJACENT PROPERTY AND HOMEOWNERS AT ALL TIMES.
18. CONTRACTOR IS RESPONSIBLE FOR RESTORING ALL DAMAGED OR REMOVED DRIVEWAYS AND FENCING TO EXISTING OR BETTER CONDITION.
19. CONTRACTOR IS RESPONSIBLE FOR SHORING POWER POLES IF AND AS NEEDED. N.S.P.I.
20. WATER METERS SHALL BE SET OUTSIDE THE LIMITS OF THE SIDEWALK AND WITHIN THE P.U.E. IF REQUIRED TO MAINTAIN SEPARATION.

2

BENCHMARK BM-1

BENCHMARK TO BE SET BY ENGINEER PRIOR TO CONSTRUCTION.

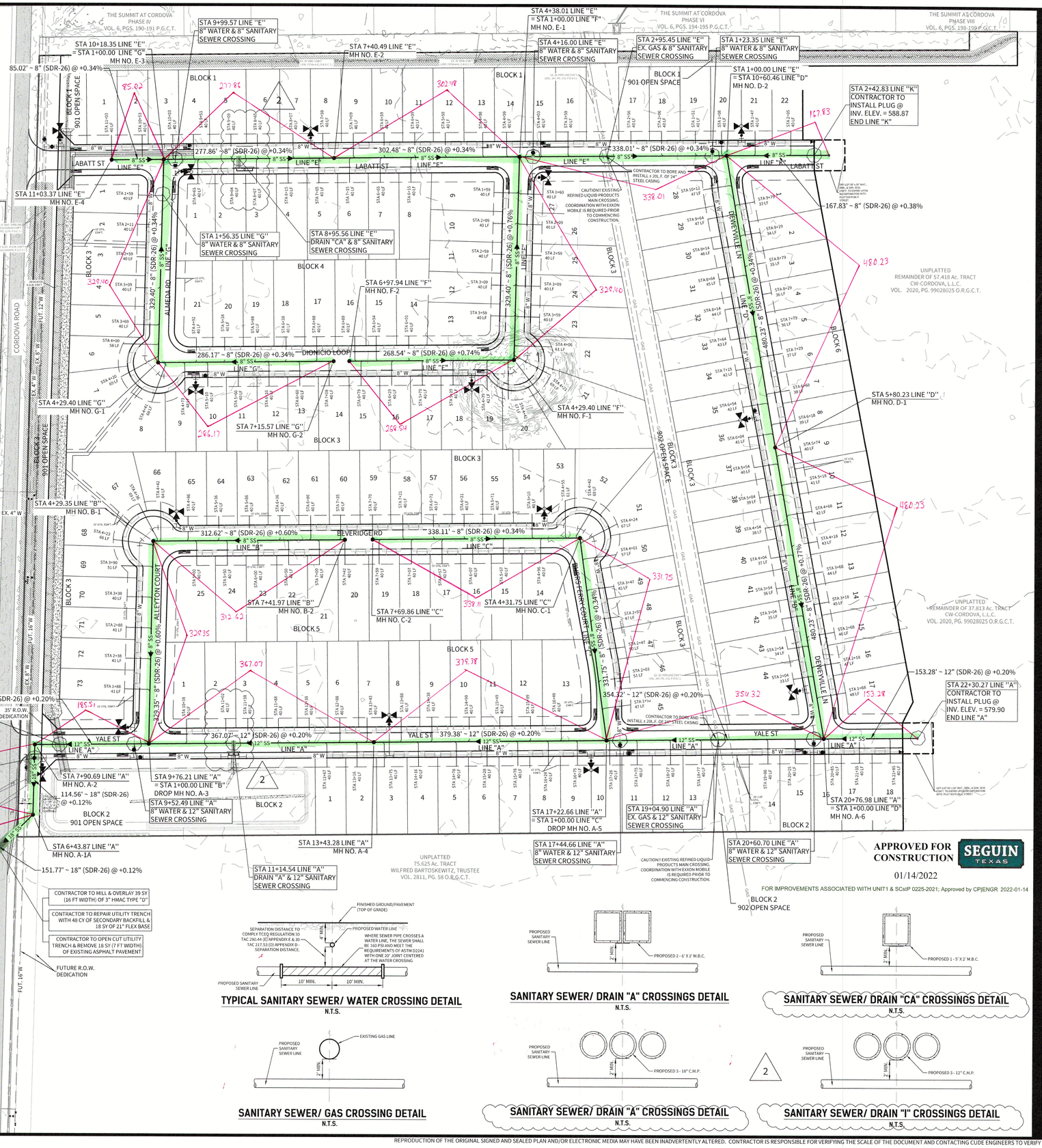
SEWER/WATER LINE CROSSINGS	
LINE	STATION
"A"	9+52.49
"A"	17+44.66
"A"	20+60.70
"E"	1+23.35
"E"	4+16.00
"E"	9+99.57

SEWER/DRAIN CROSSINGS	
DRAIN	STATION
A	LINE "A" 8+30.99
A	LINE "A" 11+14.54
CA	LINE "E" 8+95.56

SEWER/GAS CROSSINGS	
LINE	STATION
"A"	19+04.90
"E"	2+95.45

CAUTION!!
EXISTING UTILITIES ARE WITHIN THE LIMITS OF CONSTRUCTION. CONTRACTORS SHALL EXERCISE EXTRA CARE IN DIGGING ANY TRENCH FOR PROPOSED UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE, VERIFY THE EXACT LOCATION & IDENTIFY AREA OF CONFLICTS WITH EXISTING UTILITIES AND SHALL NOTIFY THE ENGINEER IF CONFLICT IS FOUND.

TRENCH EXCAVATION PROTECTION
CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/GEOTECHNICAL/SAFETY/EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITE(S) WITHIN THE PROJECT WORK AREA IN ORDER TO IMPLEMENT CONTRACTOR'S TRENCH EXCAVATION SAFETY PROTECTION SYSTEMS, PROGRAMS AND/OR PROCEDURES FOR THE PROJECT DESCRIBED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR'S IMPLEMENTATION OF THESE SYSTEMS, PROGRAMS AND/OR PROCEDURES SHALL PROVIDE FOR ADEQUATE TRENCH EXCAVATION SAFETY PROTECTION THAT COMPLY WITH AS A MINIMUM OSHA STANDARDS FOR TRENCH EXCAVATIONS. SPECIFICALLY, CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR SAFETY CONSULTANT SHALL IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.



APPROVED FOR CONSTRUCTION
SEGUIN TEXAS
01/14/2022

TYPICAL SANITARY SEWER/ WATER CROSSING DETAIL
N.T.S.

SANITARY SEWER/ DRAIN "A" CROSSINGS DETAIL
N.T.S.

SANITARY SEWER/ DRAIN "CA" CROSSINGS DETAIL
N.T.S.

SANITARY SEWER/ GAS CROSSING DETAIL
N.T.S.

SANITARY SEWER/ DRAIN "A" CROSSINGS DETAIL
N.T.S.

SANITARY SEWER/ DRAIN "I" CROSSINGS DETAIL
N.T.S.

CUDEENGINEERS.COM
EST. 1980 CUDE ENGINEERS
4122 Pond Hill Road, Suite 101
San Antonio, Texas 78231
P:(210) 681.2951 F: (210) 523.7112

CORDOVA TRAILS SUBDIVISION UNIT 1
AS-13487
OVERALL SANITARY SEWER PLAN

DATE
12/05/2021
PROJECT NO.
03480.002
DRAWN BY
AC
CHECKED BY
DDC/JC

REVISIONS
1. 07/26/2021 - ADDED FLOW ARROWS
2. 09/23/2021 - UPDATED CURB INLETS AND SIDEWALKS, ADDED NOTE, REVISED X-ING DETAILS
3.
4.
5.
6.
7.
8.
9.

STATE OF TEXAS — DAVID D. CUPIT II — 122076 — LICENSED PROFESSIONAL ENGINEER — 12.11.21
CUDE ENGINEERS
TBPE No. 455
TBPLS No. 10048500

C30

REPRODUCTION OF THE ORIGINAL SIGNED AND SEALED PLAN AND/OR ELECTRONIC MEDIA MAY HAVE BEEN INADVERTENTLY ALTERED. CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE SCALE OF THE DOCUMENT AND CONTACTING CUDE ENGINEERS TO VERIFY DISCREPANCIES PRIOR TO CONSTRUCTION.