

CITY OF WIMBERLEY

COLLECTION SYSTEM PROJECT

UTILITY CONTACTS:

Dig Tess	800.344.8377
City Administrator	512.847.0025
TxDOT	512.353.1061
Century Telephone	512.754.5223
AT&T	800.464.7928
Gas Company	512.392.6672
Time Warner Cable	512.805.2555
Grande	800.218.5725
Pedernales Electric	888.554.4732
Bluebonnet Electric	800.949.4414
Wimberley Water Supply Corporation	512.847.2323
Aqua Texas	877.987.2782
Union Pacific Railroad	402.544.8620
TCEQ	512.339.1000

NOTE:
CHECK TO ENSURE UP TO DATE
UTILITY CONTACT INFORMATION.

ECONOMIC DEVELOPMENT ADMINISTRATION
FEDERAL AWARD ID NO. 08-01-05136

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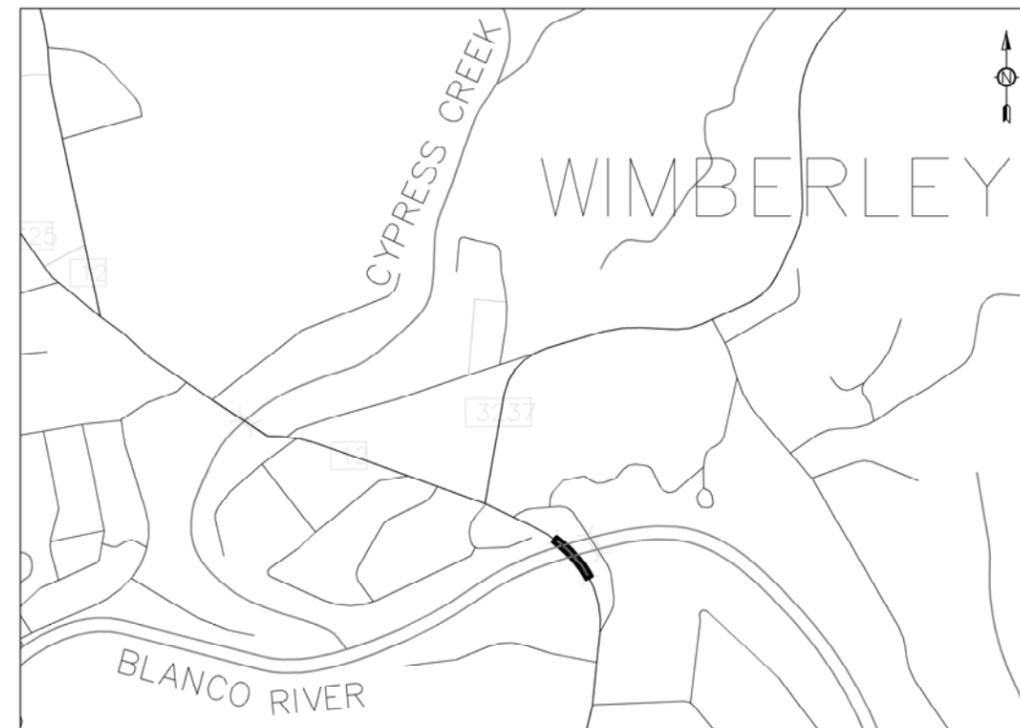
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PROJECT LOCATION MAP

FEBRUARY

2017



6300 LA CALMA DRIVE, SUITE 400
AUSTIN, TEXAS 78752-3843
PHONE: 512-452-5905 FAX: 512-452-2325
TEXAS REGISTERED ENGINEERING FIRM F-13

MAYOR
MAC MCCULLOUGH

CITY COUNCIL
BOB DUSSLER
CRAIG FORE
SALLY TRAPP
GARY BARCHFELD
JOHN WHITE

PLACE 1
PLACE 2
PLACE 3
PLACE 4
PLACE 5

CITY ADMINISTRATOR
DON FERGUSON

OWNER:
CITY OF WIMBERLEY
221 STILLWATER
WIMBERLEY, TEXAS 78676
(512) 847-0025

SURVEYOR:
MACIAS AND ASSOCIATES, LP.
5410 SOUTH 1ST STREET
AUSTIN, TEXAS 78745
(512) 442-7875

SUBMITTED FOR APPROVAL
BY:



Stephen J. Coonan

STEPHEN J. COONAN, PE
ALAN PLUMMER ASSOCIATES, INC.

03/06/17
DATE

FLOODPLAIN:

A PORTION OF THE PROJECT LIES WITHIN THE 1% ANNUAL CHANCE FLOODPLAIN AS SHOWN IN THE FEDERAL EMERGENCY MANAGEMENT (FEMA) FLOOD INSURANCE RATE MAP (FIRM) PANELS 48209C0239F AND 48209C0355F DATED SEPTEMBER 2, 2005

**CAPITAL IMPROVEMENTS DEPARTMENT
GENERAL CONSTRUCTION NOTES**

- THE FOLLOWING CITY GUIDELINES SUPERSEDE, AS A MINIMUM REQUIREMENT, ANY AND ALL COMMENTS, SPECIFICATIONS, OR DETAILS LISTED ON THE PLAN OR TECHNICAL SPECIFICATIONS. NO NOTES SHALL BE CONSIDERED AS SEPARATE PAY ITEMS.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND COMPLYING WITH ALL LOCAL, STATE, AND FEDERAL LAWS, RULES AND ORDINANCES, AND THE CITY OF SAN MARCOS MOST RECENT DIVISION SPECIFICATIONS, MODIFICATIONS TO CITY OF AUSTIN SPECIFICATIONS AND DETAILS. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST CITY OF AUSTIN SPECIFICATIONS AND DETAILS. CITY OF AUSTIN STANDARDS SHALL BE USED UNLESS OTHERWISE NOTED. ALL PHASES OF WORK UNDER THIS CONTRACT SHALL BE WITH STRICT ADHERENCE TO THE ACCOMPANYING SPECIFICATIONS. FINAL DECISIONS OR JUDGMENT ON MATTERS NOT SPECIFICALLY COVERED BY THE CONTRACT DOCUMENTS SHALL BE MADE BY THE OWNER.
- A COPY OF PLANS, AND ALL CHANGES OR REVISED PLANS, SPECS, AND APPROVED SUBMITTALS THAT BEAR A REVIEW SEAL FROM THE ENGINEER MUST BE AVAILABLE ON-SITE AT ALL TIMES. ANY CHANGES OR REVISIONS TO THESE PLANS REQUIRE THE OWNER'S APPROVAL. SUBMIT REVISED PLANS TO THE OWNER FOR REVIEW AND WRITTEN APPROVAL.
- CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE CONSTRUCTION OF THE PROJECT INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD HARMLESS THE OWNERS AND THE ENGINEERS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONJUNCTION WITH THE PERFORMANCE OF THE WORK ON THIS PROJECT, EXCEPT FROM LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER RELATED TO ACTIONS OF SAME WHILE ON SITE. MAINTENANCE OF BMP'S IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND FINES RECEIVED BECAUSE OF NEGLIGENCE OF THE CONTRACTOR WILL BE THE CONTRACTOR'S RESPONSIBILITY.
- THE CONTRACTOR MUST SUBMIT AND COORDINATE A CONSTRUCTION SCHEDULE WITH THE OWNER PRIOR TO COMMENCING WORK.
- ALL SUBMITTALS SHALL BE APPROVED BY THE OWNER PRIOR TO INSTALLATION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING ADJOINING AND ADJACENT STREETS, SIDEWALKS, CURBS, TURF, LANDSCAPING, PRIVATE PROPERTY, AND/OR OTHER RIGHT-OF-WAY DISTURBED DURING CONSTRUCTION TO ITS ORIGINAL CONDITION AND TO THE SATISFACTION OF THE CITY PRIOR TO ACCEPTANCE OF THE PROJECT. ANY DAMAGE DONE IS THE RESPONSIBILITY OF THE CONTRACTOR (NO SEPARATE PAY ITEM).
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING REQUIRED SECURITY AND FENCING TO PROTECT HIS OWN PROPERTY, EQUIPMENT AND WORK IN PROGRESS. REPAIR OF DAMAGED IMPROVEMENTS IS THE CONTRACTOR'S RESPONSIBILITY UNTIL THE PROJECT IS ACCEPTED BY THE OWNER.
- CONTRACTOR SHALL SUBMIT PRECONSTRUCTION VIDEOS AND PHOTOGRAPHY NECESSARY TO DOCUMENT PRECONSTRUCTION CONDITIONS, INCLUDING BUT NOT LIMITED TO STREETS, CURBS, DRIVEWAYS, SIDEWALKS, MAIL BOXES, FENCES, ETC. ALSO, ALL SANITARY SEWER LINES SHALL BE CLEANED AND TELEVIEWED PRIOR TO CONSTRUCTION ACTIVITY PER CITY OF SAN MARCOS DIVISION 1 SPECIFICATIONS. PRECONSTRUCTION VIDEO SHALL BE IN WINDOWS MEDIA FORMAT OR APPROVED EQUAL. PRECONSTRUCTION VIDEOS SHALL BE COMPLETED WITH A CITY INSPECTOR ON SITE AND SUBMITTED TO THE OWNER FOR APPROVAL PRIOR. PROVIDE TWO (2) COPIES OF THE PRECONSTRUCTION VIDEO TO THE OWNER.
- CONTRACTOR SHALL RELOCATE EXISTING FENCES, VEHICULAR AND PEDESTRIAN GATES TO OR BEYOND THE EXISTING RIGHT-OF-WAY UNLESS OTHERWISE INDICATED ON PLANS. CONTRACTOR SHALL COORDINATE FENCE RELOCATION WITH THE RESPECTIVE PROPERTY OWNERS. RELOCATED FENCES/GATES SHALL BE EQUIVALENT OR BETTER THAN EXISTING FENCE/GATES. RELOCATION WILL BE SUBSIDIARY TO THE WORK UNLESS NOTED AS A SEPARATE BID ITEM.
- THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ALL STREETS OUTSIDE THE PROJECT LIMITS WHICH ARE DAMAGED DUE TO CONSTRUCTION ACTIVITIES. THE REPLACED SECTION MUST BE APPROVED BY THE CITY AND THE OWNER.
- CONTRACTOR SHALL FOLLOW THE STANDARD TRAFFIC CONTROL DETAILS INCLUDED IN THIS SET OF PLANS AND THE LATEST EDITION OF THE TEXAS MANUAL ON TRAFFIC CONTROL DEVICES. CONTRACTOR MUST SUBMIT A ROAD CLOSURE PERMIT APPLICATION TO THE OWNER. THE APPLICATION MUST INCLUDE A TRAFFIC CONTROL PLAN, SHOWING BOTH DAYTIME AND NIGHTTIME OPERATIONS DURING VARIOUS PHASES OF CONSTRUCTION. IF A NIGHT TIME CLOSURE IS REQUESTED, THE PLAN MUST BE SEALED BY A PROFESSIONAL ENGINEER. THE PLAN MUST BE APPROVED BY THE OWNER AND BY THE CITY 14 CALENDAR DAYS BEFORE CONSTRUCTION BEGINS. THE RIGHT-OF-WAY CONSTRUCTION PERMIT APPLICATION CAN BE FOUND ON THE CITY'S WEBSITE -- http://www.cityofwimberley.com/vertical/sites/%7B14098A8-3090-4E90-A37A-F257BF123826%7D/uploads/Rights-of-Way_Construction_App.pdf
- ANY ROAD CLOSURE MUST HAVE WORK PERFORMED AT THAT LOCATION AT LEAST FOUR (4) HOURS PER DAY. IF WORK CEASES FOR FOUR (4) OR MORE HOURS, THE ROAD MUST BE OPENED UNLESS OTHERWISE APPROVED BY THE OWNER AND THE CITY.
- ALL SIDEWALKS AND DRIVEWAYS SHALL COMPLY WITH CITY, STATE AND FEDERAL ACCESSIBILITY REQUIREMENTS.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS AND CONTOURS IN THE FIELD BEFORE MOBILIZATION AND REPORT ANY DISCREPANCIES WITHIN THE PLANS TO THE OWNER IN A TIMELY MANNER. ALL DIMENSIONS SHOWN ARE APPROXIMATE. MATCH EXISTING SIGNIFIES VERTICAL AND HORIZONTAL ALIGNMENT. CHANGES IN ANY HORIZONTAL OR VERTICAL POSITION OR ALIGNMENT ARE SUBJECT TO OWNER REVIEW AND APPROVAL.
- CONTRACTOR SHALL CONSTRUCT FACILITIES TO THE LINES AND GRADES REQUIRED ON THE PLANS AND TO MEET FIELD CONDITIONS. FINAL GRADES SHALL BE ESTABLISHED TO ASSURE POSITIVE DRAINAGE. ADJUSTMENTS TO MATCH FIELD CONDITIONS DO NOT WARRANT ADDITIONAL PAYMENT TO THE CONTRACTOR.
- MILLED ASPHALT WILL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS DIRECTED BY THE CITY.
- THE PRIME COATING OF FLEX BASE SHALL BE PERFORMED IMMEDIATELY FOLLOWING DENSITY TESTING AND PROOF ROLLING.
- DURING NON-WORK HOURS, CONTRACTOR MUST COVER OR FILL ALL TRENCHES TO ALLOW FOR CONTINUED ACCESS FOR RESIDENTS UNLESS SPECIFICALLY APPROVED BY THE INSPECTOR.
- CONSTRUCTION NOISE, DECLARED A NUISANCE UNDER CITY ORDINANCE, IS NOT PERMITTED BETWEEN 9:00 P.M. AND 7:00 A.M. EXCEPT UNDER SPECIAL PERMIT.
- WEEKEND AND HOLIDAY WORK IS NOT ALLOWED WITHOUT PRIOR APPROVAL AND IS LIMITED TO WORK NOT REQUIRING CITY INSPECTION UNLESS SPECIFICALLY APPROVED BY INSPECTOR.
- ALL CONSTRUCTION SITES ARE REQUIRED TO PROVIDE ONE BATHROOM UNIT PER TEN (10) CONSTRUCTION PERSONS ON THE PROJECT.
- CONTRACTOR MUST COMPLY WITH OSHA REGULATIONS AND STATE OF TEXAS LAW CONCERNING EXCAVATION, TRENCHING AND SHORING.
- A FLOODPLAIN ELEVATION CERTIFICATE (WHERE REQUIRED) MUST BE SUBMITTED TO AND APPROVED BY THE FLOODPLAIN ADMINISTRATOR BEFORE 'CERTIFICATE OF OCCUPANCY' WILL BE ISSUED.

- BLASTING AND BURNING IS PROHIBITED IN THE CITY LIMITS AND WITHIN THE PROJECT LIMITS.
- CONTRACTOR SHALL KEEP DRIVEWAYS OPEN AND ACCESSIBLE AT ALL TIMES DURING CONSTRUCTION UNLESS OTHERWISE APPROVED. UNDERGROUND UTILITIES CROSSING COMMERCIAL DRIVEWAYS SHALL BE INSTALLED SUCH THAT A MINIMUM TEN (10) FOOT TRAFFIC LANE IS KEPT OPEN AT ALL TIMES. NO CONSTRUCTION OPERATION RELATIVE TO INSTALLATION OF UTILITIES, INCLUDING STOCKPILING OF EXCAVATED MATERIALS, SHALL BE PERMITTED WITHIN THE LIMITS OF EXISTING PAVEMENTS CARRYING TRAFFIC ON STATE HIGHWAYS OR CITY ROADS AND STREETS UNLESS SPECIFICALLY AUTHORIZED IN WRITING BY THE RESPECTIVE AUTHORITY HAVING JURISDICTION OR NOTED ON THE PLANS. SPOILAGE MATERIAL SHALL NOT BE MOUND MORE THAN 18" HIGH ADJACENT TO A DRIVEWAY OR INTERSECTION, AND SHALL NOT BE LEFT UNSUPERVISED.
- CONTRACTOR MUST REMOVE AND DISPOSE OF ALL WASTE MATERIAL GENERATED DURING CONSTRUCTION. WASTE MATERIAL MUST BE REMOVED FROM THE WORK SITE AND LAWFULLY DISPOSED OF IN SUCH A MANNER AS TO NOT DAMAGE THE OWNER OR OTHER PERSON. THE CONTRACTOR MUST PROVIDE A PROOF OF DESTINATION DOCUMENTS UPON REQUEST BY CITY INSPECTORS FOR TRUCKS USED TO DELIVER OR REMOVE MATERIAL OR SPOILS FROM THE JOB SITE.
- THE CONTRACTOR SHALL NOT PLACE ANY WASTE MATERIAL IN THE 100-YEAR FLOODPLAIN WITHOUT FIRST OBTAINING AN APPROVED FLOODPLAIN DEVELOPMENT PERMIT FROM THE CITY AND/OR COUNTY. MATERIAL, STORAGE, LAY DOWN AND STAGING AREAS MUST BE ON THE SAME SIDE OF ROADWAY AS ADJACENT WORK ZONE. STAGING AREAS ARE NOT TO BE USED FOR STOCKPILING.
- CONTRACTOR MUST CLEAN MUD, DIRT AND/OR DEBRIS TRACKED OR OTHERWISE TRANSPORTED FROM THE PROJECT SITE ONTO EXISTING STREETS BY ANY VEHICLE THAT EXITS THE SITE. THE RIGHT-OF-WAY SHALL BE KEPT CLEAN AT ALL TIMES. DAILY SWEEPING MAY BE REQUIRED. A CITATION WILL BE ISSUED IF THE RIGHT-OF-WAY IS NOT KEPT CLEAN.
- THE OWNER SHALL COORDINATE TEMPORARY RELOCATION OF MAILBOXES WITH THE SAN MARCOS POSTMASTER. FINAL LOCATION SHALL BE IN ACCORDANCE WITH THE LOCAL POST OFFICE REQUIREMENTS.
- WHEN WORK IS PERFORMED ON PRIVATE PROPERTY OR EASEMENTS, ALL LAWN GRASS, SHRUBBERY, FLOWERS, SITE UTILITIES (INCLUDING IRRIGATION SYSTEMS), TREES AND FENCES IN THE WAY OF WORK SHALL BE REMOVED, PROTECTED, AND REPLACED TO THEIR ORIGINAL CONDITION AND POSITION UPON COMPLETION OF THE WORK AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL LOCATE, PROTECT AND MAINTAIN BENCHMARKS, MONUMENTS, CONTROL POINTS AND PROJECT ENGINEERING REFERENCE POINTS. CONTRACTOR SHALL RE-ESTABLISH, AT NO ADDITIONAL COST TO THE OWNER, DISTURBED OR DESTROYED ITEMS BY A REGISTERED PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF TEXAS.
- ALL ASSETS (INCLUDING DIRECTIONAL CHANGES, VALVES, MANHOLES, ETC.) CONSTRUCTED WITHIN THE CITY'S RIGHT-OF-WAY MUST BE SUBMITTED TO THE CITY WITH GPS COORDINATES AT THE END OF EACH PROJECT. GPS COORDINATES SHALL BE ON TEXAS STATE PLANE SOUTH CENTRAL FIPS 4204 FEET COORDINATE SYSTEM, AND SUBMITTED IN *.TXT FORMAT.
- CONTRACTOR SHALL CONFINE CONSTRUCTION OPERATIONS TO AVAILABLE STREET AND PUBLIC RIGHT-OF-WAY UNLESS OTHER RIGHTS-OF-WAY OR TEMPORARY CONSTRUCTION EASEMENTS ARE OBTAINED AND SECURED BY THE CONTRACTOR AT HIS EXPENSE. WRITTEN PROOF AND APPROVAL OF LANDOWNERS AND TENANTS IS REQUIRED FOR OTHER PROPERTIES USED BY CONTRACTOR FOR ANY REASON.
- WHENEVER POSSIBLE, THE CONTRACTOR WILL REOPEN STREETS WITHIN PROJECT LIMITS TO THROUGH TRAFFIC BY REPAIRING TRENCHES, POTHoles, AND LEVELING UP WITH ASPHALT. TEMPORARY ACCESS DRIVEWAYS MUST COMPLY WITH CITY STANDARD.
- AN ALL WEATHER SURFACE ROADWAY AND WORKING FIRE HYDRANT(S) ARE REQUIRED TO BE INSTALLED ON PROPERTY PRIOR TO THE CONSTRUCTION OF COMBUSTIBLE MATERIAL. ROAD BASE ALONE IS NOT ACCEPTABLE.
- THE SITE, SEPARATE BUILDINGS, ELECTRICAL DISCONNECTS, AND/OR TEMPORARY CONSTRUCTION TRAILERS MUST HAVE AN ADDRESS VISIBLE FROM THE STREET OR ROADWAY. PERMANENT MARKER IS NOT AN APPROVED MARKING DEVICE.
- CONTRACTOR SHALL PLACE BACKFILL AS PROMPTLY AND AS PRACTICABLE AFTER COMPLETION OF EACH STRUCTURE OR PORTION OF A STRUCTURE. DO NOT PLACE BACKFILL AGAINST CONCRETE WALLS OR SIMILAR STRUCTURES UNTIL CONCRETE HAS CURED AT LEAST SEVEN (7) DAYS.
- FOR DRIVEWAYS WITH PENETRATIONS AND VEHICULAR GATES, CONTRACTOR SHALL ADJUST FENCE SO THERE IS NO GAP BETWEEN THE BOTTOM OF THE FENCE ADJACENT TO THE DRIVEWAY AND THE GROUND.
- CONTRACTOR SHALL COMMUNICATE, COORDINATE WITH AND WHEN POSSIBLE ACCOMMODATE DELIVERY SCHEDULES OF ADJACENT BUSINESSES AND FACILITIES.
- IF ANY IRRIGATION SYSTEMS ARE IMPACTED AND DAMAGED OR NEED TO BE RELOCATED DURING CONSTRUCTION, THE CONTRACTOR MAY BE REQUIRED TO EMPLOY A LICENSED IRRIGATOR TO REPAIR OR ADJUST THE LINE. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE CONSIDERED SUBSIDIARY TO ITEM 101S, PREPARING RIGHT-OF-WAY.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FURNISH ALL RESIDENTS AND BUSINESSES WITH AN INFORMATION FLYER ON ALL JOBS DURING CONSTRUCTION.
- IF ANY GEOLOGIC OR MANMADE ENVIRONMENTAL FEATURE IS DISCOVERED DURING CONSTRUCTION, NOTIFY TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) AND THE OWNER WITHIN 24 HOURS. THE CONTRACTOR IS REQUIRED TO PROVIDE COMPLIANCE DOCUMENTATION AS REQUIRED.
- IF THE CONTRACTOR ENCOUNTERS ANY ARCHAEOLOGICAL DEPOSITS DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR MUST STOP EXCAVATION IMMEDIATELY, CONTACT THE TEXAS HISTORICAL COMMISSION, CITY INSPECTOR, AND THE OWNER FOR AN ARCHAEOLOGICAL INVESTIGATION. THE CONTRACTOR CANNOT BEGIN EXCAVATION AGAIN WITHOUT WRITTEN PERMISSION FROM THE OWNER.

IF MORE THAN THREE (3) DAYS ARE REQUIRED FOR INVESTIGATION (NOT INCLUDING HOLIDAYS AND WEEKENDS) AND IF THE CONTRACTOR IS UNABLE TO WORK IN OTHER AREAS, THEN THE CONTRACTOR WILL BE ALLOWED TO NEGOTIATE FOR ADDITIONAL CONSTRUCTION TIME UPON WRITTEN REQUEST WITHIN TEN (10) DAYS AFTER THE FIRST NOTICE TO THE OWNER.

IF THE TIME REQUIRED FOR INVESTIGATION IS LESS THAN OR EQUAL TO THREE (3) DAYS FOR EACH EVENT, CONTRACT DURATION WILL NOT BE EXTENDED.
- THE REVIEW OF THESE PLANS DOES NOT AUTHORIZE ACCESSORY PERMITS. THE CONTRACTOR IS RESPONSIBLE FOR COMPLETING THE FOLLOWING ACCESSORY PERMITS OR ACTIVITIES: (VERIFY WITH THE DEPARTMENT LISTED BELOW):
- HIGH PILED COMBUSTIBLE STOCK (FIRE MARSHAL)
- NEW FENCE (PERMIT CENTER)
- BACKFLOW PREVENTION DEVICES (WASTEWATER)

UTILITY NOTES

- CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION TO DETERMINE THE LOCATION OF EXISTING UTILITIES. CONTRACTOR SHALL NOTIFY THE FOLLOWING AT LEAST 48 HOURS PRIOR TO EXCAVATION OPERATIONS AND SHALL ALSO BE RESPONSIBLE FOR CONTINUING REQUIRED COMMUNICATION TO EACH UTILITY (NUMBERS MAY ALTER - CONTRACTOR SHOULD VERIFY NUMBERS):
 - DIG TESS 800.344.8377
 - WIMBERLEY CITY HALL 512.847.0025
 - TXDOT 512.353.1061
 - CENTURY TELEPHONE 512.754.5223
 - AT&T 800.464.7928
 - GAS COMPANY 512.392.6672
 - TIME WARNER CABLE 512.805.2555
 - GRANDE 800.218.5725
 - PEDERNALES ELECTRIC 888.554.4732
 - BLUEBONNET ELECTRIC 800.949.4414
 - WIMBERLEY WATER SUPPLY CORPORATION* 512.847.2323

* DEPARTMENTS ARE NOT INCLUDED WITH DIG TESS SERVICES.
AFTER NOTIFICATION, CONTRACTOR MUST MAINTAIN ALL LOCATES AFFECTING THE PROJECT.
- LOCATION AND DEPTHS OF EXISTING UTILITIES INCLUDING SERVICE LATERALS SHOWN ON THE PLANS ARE APPROXIMATE ONLY. ACTUAL LOCATIONS AND DEPTHS MUST BE FIELD VERIFIED BY THE CONTRACTOR AT LEAST 48 HOURS PRIOR TO CONSTRUCTION AND WELL IN ADVANCE OF WORK. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE UTILITY SERVICE LINES AS REQUIRED FOR CONSTRUCTION AND TO PROTECT THEM AND MAINTAIN CONTINUAL SERVICE DURING CONSTRUCTION. ALL EXPOSED UTILITIES DURING EXCAVATION MUST BE SUPPORTED AND RESTRAINED, AS NECESSARY.
- THRUSTS BLOCKS ARE NOT PERMITTED. ALL FITTINGS SHALL BE MECHANICALLY RESTRAINED. BELL JOINTS SHALL BE MECHANICALLY RESTRAINED IN ACCORDANCE WITH THE ENGINEER'S SPECIFICATIONS THAT ARE BASED ON SITE CONDITIONS. A JOINT RESTRAINT TABLE, SEALED BY THE ENGINEER, MUST BE USED.
- ANY PORTION OF WORK, INCLUDING TRAFFIC CONTROL UTILITY PERMITTING, WHICH LIES IN TEXAS DEPARTMENT OF TRANSPORTATION (TXDOT), UPRR, OR COUNTY PROPERTY OR RIGHT-OF-WAY SHALL COMPLY WITH RESPECTIVE ENTITIES PERMITTING GUIDELINES. THE RESPECTIVE ENTITIES' INSPECTOR MUST BE NOTIFIED BEFORE WORK BEGINS.
- CONFLICTS WITH THE PROPOSED WORK SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER AND THE INSPECTOR IN WRITING IMMEDIATELY.
- THE CONTRACTOR IS RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH OCCUR DUE TO THE CONTRACTOR'S FAILURE TO LOCATE AND PRESERVE ANY AND ALL UTILITIES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR RELOCATING ANY CITY OF WIMBERLEY WATER AND WASTEWATER UTILITY LINES AND SERVICE TAPS WHERE REQUIRED. CONTRACTOR SHALL LOCATE ALL KNOWN UTILITIES +500' AHEAD OF WORK. ANY CONFLICT FROM A LOCATE LESS THAN 500' WILL NOT RESULT IN ADDITIONAL DAYS. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION AND ANY REQUIRED RELOCATION OF GAS, CABLE, TELEPHONE, OR ELECTRICAL LINES WITH THE APPROPRIATE UTILITY OWNER.
- CONTRACTOR SHALL NOTIFY THE WIMBERLEY WATER CORPORATION 512.847.2323 AT LEAST TWO (2) WEEKS BEFORE CONNECTION WITH THE CITY WATER SYSTEM. CONTRACTOR SHALL NOTIFY THE CITY 512.847.0025 AT LEAST TWO (2) DAYS BEFORE CONNECTION WITH ANY ON-SITE SEWAGE FACILITIES.
- A PERMIT FOR ANY WATER TIE-IN AND/OR SHUTOFF SHALL BE COORDINATED BY THE CONTRACTOR WITH THE WATER DEPARTMENT AND THE OWNER. CONTRACTOR SHALL NOTIFY ALL RESIDENTS WHO WILL BE AFFECTED BY A CITY SERVICE SHUT-OFF WITH HANDOUTS PROVIDED BY INSPECTOR OR WATER DEPARTMENT.
- CONNECTION TO CUSTOMER SIDE OF WATER METER SHALL BE MADE USING BRASS PARTS. CONNECTION TO THE CUSTOMER SERVICE LINE SHALL BE MADE WITH SMITH BLAIR TYPE 411 STEEL DRESSER COUPLING OR APPROVED EQUIVALENT.
- NO METER BOXES, VALVES OR OTHER OBSTRUCTIONS SHALL BE SET IN SIDEWALKS OR DRIVEWAYS. ANY METER BOXES OR VALVES SET IN SIDEWALKS OR DRIVEWAYS WILL BE RELOCATED AT CONTRACTOR'S EXPENSE. ALL METERS AND VALVES MUST BE LOCATED ON A PUBLIC RIGHT-OF-WAY OR EASEMENT.
- THE CONTRACTOR WILL KEEP THE AREA ON TOP OF AND AROUND THE WATER METER BOX AND VALVES FREE OF ALL OBJECTS AND DEBRIS.
- ALL VALVES IN A CITY RIGHT-OF-WAY WILL BE OPERATED BY CITY PERSONNEL ONLY. THE CONTRACTOR MAY NOT OPERATE ANY CITY OWNED VALVE. THE CONTRACTOR WILL BE FINED IF A WATER VALVE IS OPERATED WITHOUT EXPRESS WRITTEN CONSENT OF THE WATER UTILITY, REGARDLESS OF WHO OPERATED THE VALVE.
- CONTRACTOR SHALL MAINTAIN A MINIMUM OF THREE (3) FEET OF COVER AT SUBGRADE OVER THE SANITARY SEWER LATERALS. ALL SEWER LATERAL SERVICES FOR FUTURE CONNECTIONS, AS IDENTIFIED ON PLAN AND PROFILES, SHALL BE CAPPED AND SEALED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISCONNECTING EACH EXISTING SERVICE LINE FROM THE EXISTING MAIN AND RE-CONNECTING THE SERVICE TO THE NEW MAIN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING CONTINUOUS SERVICE (NO SEPARATE PAY ITEM). LATERALS SHALL BE CONSTRUCTED TO SERVE ALL EXISTING HOUSES AND VACANT LOTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT NO OVERFLOWS OR SPILLAGE OF SEWAGE OCCURS. SHOULD THIS OCCUR, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE INSPECTOR, OWNER AND THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ). 512.339.2929. THE CONTRACTOR SHALL ALSO IDENTIFY THE SOURCE OF THE SPILL AND ATTEMPT TO ELIMINATE ANY ADDITIONAL SPILLAGE, CONTAIN SPILLAGE IN PLACE TO PREVENT FURTHER CONTAMINATION, CLEAN UP THE SPILL, DISPOSE OF CONTAMINATED MATERIALS, AND DISINFECT THE AREA OF THE SPILL WITH A MIXTURE OF HTH CHLORINE AND WATER.
- CONTRACTOR SHALL IDENTIFY AND TRAIN PERSONNEL IN ALL ASPECTS OF WORKING IN AREA OF SANITARY SEWAGE AND SHALL BE RESPONSIBLE FOR SPILLAGE PREVENTION AND CONTROL. SPILLAGE RELATED WORK IS AT NO ADDITIONAL COST TO THE CITY. ALL WORK SHALL BE DONE ACCORDING TO GUIDELINES SET BY THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) AND THE CITY OF WIMBERLEY. THE INSPECTOR SHALL BE CONTINUALLY ADVISED UNTIL SITUATION IS RESOLVED.
- THE CONTRACTOR SHALL PROVIDE BY-PASS PUMPING OF SEWAGE AROUND EACH SEGMENT OF PIPE TO BE REPLACED, IN ACCORDANCE WITH CITY OF AUSTIN SPECIFICATIONS. PAYMENT FOR SUCH WORK WILL BE SUBSIDIARY TO SANITARY SEWER MAIN INSTALLATION.
- IF ELECTRIC OVERHEAD POWER LINES EXIST IN THE PROJECT AREA, TEXAS LAW ARTICLE 1436C, PROHIBITS ALL ACTIVITIES IN WHICH PERSONS OR EQUIPMENT MAY COME WITHIN SIX (6) FEET OF ENERGIZED OVERHEAD POWER LINES AND FEDERAL REGULATIONS, TITLE 29, PART 1910.180(I) AND PART 1926.550(A)(15) REQUIRE A MINIMUM OF TEN (10) FEET FROM THESE FACILITIES. WHERE CONTRACTOR MUST WORK NEAR OVERHEAD POWER LINES, CALL 1.877.372.0391 FOR THE LINES TO BE DE-ENERGIZED AND/OR MOVED AT CONTRACTOR'S EXPENSE.
- ALL ACTIVE/IN-SERVICE VALVES, MANHOLES, AND OTHER APPURTENANCES MUST REMAIN ACCESSIBLE TO CITY CREWS AND RESPECTIVE UTILITIES AT ALL TIMES DURING CONSTRUCTION. ALL APPURTENANCES WITHIN THE PROJECT LIMITS SHALL BE RAISED TO FINAL GRADE.

PIPE MATERIAL	PIPE USE	PIPE SIZES	CLASSIFICATION
COPPER TUBING	SERVICE LINES	1"	TYPE K
PVC	SERVICE LINES	2"-3"	SCHEDULE 80
PVC	DISTRIBUTION, SERVICE LINES	4"-12"	C900 DR 14
DUCTILE IRON	FIRE HYDRANT LEAD, DISTRIBUTION	6"	C1158 CI 350
DUCTILE IRON	DISTRIBUTION LINE	8"-12"	C151 CI 350
DUCTILE IRON	TRANSMISSION LINE	16"-60"	C151 CI 250
PVC	TRANSMISSION LINE	16"-24"	C905 DR 18

- ACCEPTED UTILITY LINE TYPES (VERIFY USE WITH OWNER)
- ALL UTILITY LINES SHALL BE TESTED AFTER ALL APPURTENANCES SERVICES, (HYDRANTS, SAMPLING PORTS, VALVES, ETC.) ARE INSTALLED AND COMPLETE IN PLACE AND LOCATED AT FINAL GRADE. ALL UTILITY LINES SHALL BE TESTED FROM GATE VALVE TO GATE VALVE AT 200 PSI FOR 10 MINUTES AND @ 150 PSI FOR 2 HOURS. A FIRE LINE DEDICATED FOR A FIRE PROTECTION SYSTEM SHALL BE TESTED @ 200 PSI FOR 2 HOURS. ALL TESTING SHALL BE COMPLETE PRIOR TO TYING INTO EXISTING SYSTEM.
- ALL BACTERIOLOGICAL SAMPLINGS MUST BE CERTIFIED WITHIN 20 DAYS OF PROJECT ACCEPTANCE. ON ALL TESTED AND PASSED WATER LINES THAT ARE DEAD END, OR NOT YET TIED INTO A WATER SYSTEM, AN AUTOMATIC FLUSH VALVE SHALL BE INSTALLED WITH AN APPROVED WATER METER.
- FIRE HYDRANTS MUST BE PLACED OR MOVED TO FINISHED ELEVATION AFTER INSTALLATION. FINISHED ELEVATION IS 18" TO 24" FROM THE CENTER OF THE LOWEST CONNECTION TO THE ADJACENT GRADE.
- FIRE HYDRANTS ARE REQUIRED TO BE MARKED WITH A BLUE REFLECTIVE MARKER IN THE ROADWAY 6" TO 10" OFF CENTER OF THE ROAD WAY TOWARDS THE HYDRANT. BLUE REFLECTIVE MARKER IS SUBSIDIARY TO THE FIRE HYDRANT BID ITEM.
- FIRE HYDRANTS MUST BE OPERATIONAL PRIOR TO STORING OR RAISING COMBUSTIBLE MATERIAL ON JOB SITE.
- THE TOPS OF THE VALVE STEMS SHALL BE AT LEAST 18" AND NO MORE THAN 36" BELOW FINISHED GRADE. NOTE: CITY OF SAN MARCOS DETAILS FOR GATE VALVE DETAIL.
- ALL IRON PIPE AND FITTINGS TO BE WRAPPED WITH AT LEAST 8 MIL POLYETHYLENE WRAP.
- STRAPS OR OTHER APPROVED METHOD TO BE USED TO TRANSPORT PIPES. CHAINS WILL NOT BE ALLOWED WHEN HANDLING PIPE.
- ALL CONSTRUCTION WATER METERS SHALL BE OBTAINED FROM THE CITY OF SAN MARCOS WATER DEPARTMENT WITH THE APPROPRIATE FORM. TEMPORARY METERS MAY BE RELOCATED FROM ONE HYDRANT TO ANOTHER ONLY BY WATER/WASTEWATER PERSONNEL.
- A FINE WILL BE IMPOSED ON CONTRACTORS USING FIRE HYDRANTS WITHOUT METERS, WITH UNAPPROVED METERS, OR FAILING TO USE APPROVED BACKFLOW PREVENTION DEVICES.
- DISINFECT SAMPLE PORTS SHALL BE INSTALLED AT PROPER LOCATIONS (NOT MORE THAN 1000 -FEET INTERVALS) ALONG WATER LINES.

EROSION CONTROL NOTES

- CONTRACTOR SHALL EXECUTE ALL REQUIRED PROVISIONS OF THE STORM WATER POLLUTION PREVENTION AND EROSION CONTROL PLAN. ANY FINE RESULTING FROM FAILURE TO EXECUTE REQUIRED PROVISIONS WILL BE AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR MUST HAVE A DESIGNATED PERSON RESPONSIBLE FOR MONITORING EROSION CONTROL MEASURES TO INSURE THAT ALL FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS ARE BEING COMPLIED WITH. THIS PERSON SHALL BE RESPONSIBLE FOR ALL REQUIRED FORMS AND DOCUMENTATION TO MEET REGULATIONS OF THE EPA, NPDES, AND TPDES GENERAL PERMIT.
- IN THE EVENT OF UNUSUAL SITE CONDITIONS, OR WEATHER RELATED EVENTS, MORE STRINGENT REQUIREMENTS MAY BE REQUIRED (ON-SITE OR OFF) TO MAINTAIN EROSION CONTROL.
- STORM DRAIN INLETS WITHIN 200 FOOT DOWNSTREAM OF ANY PERMITTED CONSTRUCTION AREA MUST BE PROTECTED PER DETAIL PROVIDED BY THE CITY.
- ALL DISTURBED AREAS DURING CONSTRUCTION SHALL BE RESTORED WITH A MINIMUM OF FOUR (4) INCHES OF TOPSOIL AND SEEDING/SODDING. NO PAYMENT SHALL BE MADE FOR RESTORATION OUTSIDE THE LIMITS OF CONSTRUCTION.

TREE PROTECTION AND PRESERVATION GENERAL NOTES

- THE CONTRACTOR IS RESPONSIBLE TO PROTECT PRESERVED TREES AGAINST INJURY OR DAMAGE, INCLUDING CUTTING, SOIL COMPACTION, AND BREAKING OR SKINNING OF ROOTS. THE CONTRACTOR SHALL COORDINATE WITH CITY INSPECTOR PRIOR TO ANY TRIMMING OR PRUNING. COORDINATION WITH A CERTIFIED ARBORIST MAY BE REQUIRED AND WILL NOT BE ADDITIONAL COST TO THE CITY.
- THE CONTRACTOR WILL NOT OPERATE OR STORE EQUIPMENT, VEHICLES OR MATERIALS WITHIN THE ROOT PROTECTION ZONE OF ANY TREE WITHIN OR NEAR THE PROJECT.
- AT THE END OF THE DAY THE CONTRACTOR WILL COVER EXPOSED ROOTS USING SOIL, MULCH OR WET BURLAP.
- THE CONTRACTOR WILL NOT BEGIN ANY UTILITY OR STREET EXCAVATION WORK WHERE TREE PRESERVATION AND TREATMENT MEASURES HAVE NOT BEEN COMPLETED AND APPROVED.
- THE CONTRACTOR WILL MAKE SURE TO CLEANLY CUT ROOTS OR BRANCHES IN CONFLICT WITH CONSTRUCTION ACCORDING TO PROPER PRUNING METHODS. PAINT OVER OAK WOUNDS WITHIN 30 MINUTES TO PREVENT OAK WILT.
- THE CONTRACTOR WILL DISPOSE OF ALL DEBRIS GENERATED BY PRUNING AND TRIMMING PROPERLY.
- THE CONTRACTOR WILL REMOVE SAPLINGS, SHRUBS AND BUSHES FROM THE ROOT PROTECTION ZONE OF A LARGE TREE BY HAND.

		BY	
		REVISION	
CITY OF WIMBERLEY	NO.	DATE	
WASTEWATER TREATMENT PLANT AND COLLECTION SYSTEM PROJECT			
GENERAL			
GENERAL NOTES 1			
BAR IS ONE INCH ON ORIGINAL DRAWING. ONE INCH			
DESIGNED	D. FRANKI		
DRAWN	B. DICKMAN		
CHECKED	C. SYVARTH		
REVIEWED	S. COONAN		
Seq.			of
Dwg. No.	G-002		
		1732-002-01	

TREE PROTECTION (CONTINUED):

- THE CONTRACTOR WILL REMOVE ALL TREES SIX (6) INCHES IN DIAMETER AND GREATER IDENTIFIED WITHIN THESE PLANS. PAYMENT FOR THEIR REMOVAL TO BE COVERED UNDER ITEM 101S, PREPARING RIGHT-OF-WAY. WHEN DIRECTED BY THE CITY, REMOVAL OF ADDITIONAL TREES, SIX (6) INCHES IN DIAMETER OR GREATER, NOT IDENTIFIED IN THESE PLANS, TO BE PAID FOR UNDER ITEM 101S, PREPARING RIGHT-OF-WAY. CITY INSPECTOR (512.847.0025) MUST APPROVE ANY TREE REMOVAL.
- THE CONTRACTOR WILL PROTECT ALL EXISTING LANDSCAPE AND TREES FROM A CHANGE IN THE SOIL PH FACTOR BY PREVENTING THE DISPOSAL OF LIME BASED MATERIALS SUCH AS CONCRETE, PLASTER, OR LIME TREATMENT AT THE PAVEMENT SUBGRADE IN THE PROXIMITY OF PRESERVED TREE AREAS.
- TREES DAMAGED OR LOST DUE TO THE CONTRACTOR'S NEGLIGENCE DURING CONSTRUCTION SHALL BE MITIGATED TO THE CITY'S SATISFACTION.

TRAFFIC NOTES AND SPECIAL CONDITIONS

- IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO SEE THAT ALL TRAFFIC CONTROL DEVICES ARE PROPERLY INSTALLED AND MAINTAINED AT THE JOB SITE IN ACCORDANCE WITH THE PLANS, SPECIFICATIONS AND RELATED INDUSTRY STANDARDS AND REGULATIONS. THESE PLANS DO NOT INCLUDE TRAFFIC CONTROL. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF TEXAS, INCLUDING A SIGN AND BARRICADE PLAN CONFORMING TO THE REQUIREMENTS OF THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. THE CITY'S INSPECTOR WILL ONLY BE RESPONSIBLE TO INSPECT THE TRAFFIC CONTROL DEVICES BEING DEPLOYED. IF, IN THE OPINION OF THE CITY INSPECTOR, THE TRAFFIC CONTROL DEVICES DO NOT CONFORM TO ESTABLISHED STANDARDS OR ARE INCORRECTLY PLACED OR ARE INSUFFICIENT IN QUANTITY TO PROTECT THE GENERAL PUBLIC, THE CITY INSPECTOR SHALL HAVE THE OPTION TO STOP CONSTRUCTION OPERATION AT THE CONTRACTOR'S EXPENSE UNTIL SUCH TIME AS THE CONDITIONS ARE CORRECTED BY THE CONTRACTOR.
- PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE THE CITY A TRAFFIC SIGN AND TRAFFIC SIGNAL INVENTORY. PRIOR TO COMPLETION OF THE CONTRACT AND REMOVAL OF THE BARRICADES, THE CONTRACTOR SHALL AGAIN CONTACT THE CITY FOR VERIFICATION OF CONDITION AND PLACEMENT OF ALL PERMANENT SIGNS. THE BARRICADES SHALL NOT BE REMOVED UNTIL ALL APPLICABLE PERMANENT TRAFFIC SIGNS AND SIGNALS ARE IN PLACE.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN AND MAINTAIN TEMPORARY STOP SIGNS AND ALL OTHER TRAFFIC CONTROL DEVICES REQUIRED TO PROTECT THE GENERAL PUBLIC. IF THE CITY HAS REMOVED PERMANENT STOP SIGNS, THE CONTRACTOR SHALL REQUEST THAT THE SIGNS BE RETURNED TO THE CONSTRUCTION SITE TO BE REINSTALLED BY THE CONTRACTOR. ALL PERMANENT SIGNS OR TRAFFIC CONTROL DEVICES MISSING OR DAMAGED UPON COMPLETION OF CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- AS WORK PROGRESSES, THE CONTRACTOR MAY BE REQUESTED TO ADJUST THE LOCATION OF TEMPORARY TRAFFIC CONTROL DEVICES, AS NECESSARY BY THE CITY AT CONTRACTOR'S EXPENSE. IF THE NEED ARISES, ADDITIONAL TEMPORARY TRAFFIC CONTROL DEVICES, SPECIAL DIRECTIONAL DEVICES, AND/OR BUSINESS NAME SIGNS MAY BE ORDERED BY THE PUBLIC SERVICES TRANSPORTATION DIVISION AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR MUST MAINTAIN ALL STREETS WITHIN PROJECT LIMITS BY REPAIRING TRENCHES, POTHOLES, AND LEVELING UP WITH ASPHALT AT NO ADDITIONAL COST TO THE CITY. THE CONTRACTOR SHALL PROVIDE FOR ACCESS TO RESIDENCES AND ALL BUSINESSES AT ALL TIMES WITHIN ALL THE PHASES OF THE WORK. WHEN THE WORK REQUIRES THE EXCAVATION OF THE STREET AND THE REMOVAL OF THE EXISTING DRIVEWAY APPROACHES AND SIDEWALKS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY ALL-WEATHER ACCESS TO THE BUSINESSES AND RESIDENCES. THE TEMPORARY DRIVEWAY APPROACHES SHALL BE CONSTRUCTED WITH FLEXIBLE BASE OR GRAVEL MATERIAL AT NO SEPARATE COST TO THE CITY.
- PERMANENT PAVEMENT MARKINGS SHALL BE APPLIED PRIOR TO THE OPENING OF THE COMPLETED STREET TO TRAFFIC. TEMPORARY ADDITIONAL SHORT-TERM EXPENDABLE PAVEMENT MARKINGS MAY BE REQUIRED.
- ANY DAMAGE TO PERMANENT TRAFFIC SIGNALS, THE CONTROLLER BOX, LOOPS OR CONDUITS DURING OR UPON COMPLETION OF THE PROJECT SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE. THE DECISION TO REPAIR, AS OPPOSED TO REPLACE, THE DAMAGED EQUIPMENT SHALL BE MADE BY THE CITY.
- THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ALL STREETS OUTSIDE OF THE PROJECT LIMITS WHICH ARE DAMAGED DUE TO CONSTRUCTION ACTIVITIES. THE REPLACED SECTION MUST BE APPROVED BY THE CITY AND THE OWNER.
- OFF-DUTY POLICE OFFICERS MAY BE REQUIRED AT NO ADDITIONAL COST TO THE CITY.
- THE CONTRACTOR SHALL PROVIDE THE CITY AN EMERGENCY TELEPHONE NUMBER FOR EVENINGS, WEEKENDS, AND HOLIDAYS BY THE FIRST WORKING DAY OF THE PROJECT.
- ACCESSIBILITY REQUIREMENTS:
 - PRIOR TO INITIATING THE CONSTRUCTION OF NEW DRIVEWAY APPROACHES, THE CONTRACTOR SHALL GIVE ADVANCE WARNING IN PERSON, OR IN WRITING, OF AT LEAST 48 HOURS TO EACH RESIDENCE THAT WILL BE IMMEDIATELY AFFECTED.
 - FOR BUSINESSES WITH MORE THAN ONE DRIVEWAY, AT LEAST ONE DRIVEWAY SHALL REMAIN OPEN WHILE THE OTHER NEW DRIVEWAY APPROACHES ARE CONSTRUCTED. FOR BUSINESSES WITH ONLY ONE DRIVEWAY, THE NEW DRIVEWAY APPROACHES SHALL BE CONSTRUCTED IN HALF WIDTHS, UNLESS A TEMPORARY ASPHALT DRIVEWAY IS FIRST INSTALLED AT NO ADDITIONAL COST TO THE CITY.
 - CONSTRUCTION OF A DRIVEWAY 20 FEET OR GREATER IN WIDTH MUST BE DONE ONE HALF AT A TIME TO ALLOW CONTINUOUS ACCESS TO THE PROPERTY.
 - ALL SIDEWALKS AND DRIVEWAYS SHALL MEET APPLICABLE TAS STANDARD.

MATERIAL TESTING

DESCRIPTION:	TESTING SCHEDULE	*RATE:	PNT NO.	NORTHING	EASTING	ELEV.	DESCRIPTION
SOILS:			1	13909392.53	2252652.63	819.36	80D NAIL
STANDARD PROCTOR - TRENCH BACKFILL		PER MATERIAL SOURCE	2	13908284.88	2253714.68	913.59	80D NAIL
STANDARD PROCTOR - RAW SUBGRADE		PER MATERIAL SOURCE OR STREET	3	13907608.37	2255003.96	911.78	80D NAIL
DENSITIES - TRENCH BACKFILL**		PER 250 LF PIPE PER LIFT	4	13911240.69	2253873.81	849.76	80D NAIL
DENSITIES - CEMENT STABILIZER BACKFILL		PER 250 LF PIPE	5	13911513.95	2256192.45	877.80	80D NAIL
DENSITIES - RAW SUBGRADE**		PER 100 LF STREET PER LIFT	6	13909064.47	2256463.54	857.47	80D NAIL
DENSITIES - DRIVEWAYS		PER 5 DRIVEWAYS	8	13913764.38	2257574.04	904.93	80D NAIL
			9	13912462.89	2258918.00	923.42	80D NAIL
			10	13917803.25	2257954.85	963.35	80D NAIL
			11	13915507.32	2258795.18	951.08	80D NAIL
BASE:			12	13914885.05	2260521.81	1036.51	80D NAIL
SIEVE ANALYSIS		PER 300 LF STREET	13	13908320.20	2257055.97	860.79	TXDOT BRASS DISK N1067381
ATTERBERGS LIMITS		PER 300 LF STREET	14	13913080.36	2256205.19	859.21	MAG NAIL
MODIFIED PROCTOR		PER MATERIAL CHANGE	20	13910910.45	2254601.93	854.64	80D NAIL
DENSITIES OF COMPACTED BASE**		PER 300 LF STREET PER LIFT	21	13910827.07	2255019.64	858.70	MAG NAIL
WET BALL MILL TEST		PER MATERIAL SOURCE	22	13910596.06	2255956.57	867.77	MAG NAIL
TRIAxIAL TEST		PER MATERIAL SOURCE	23	13910316.71	2256308.26	844.12	80D NAIL
			24	13911322.19	2256472.58	869.87	80D NAIL
			25	13911502.54	2256200.89	877.48	80D NAIL
			26	13911213.20	2255488.05	874.69	80D NAIL
HOT-MIX ASPHALT CONCRETE (HMAC):			27	13911093.61	2254836.38	853.82	MAG NAIL
EXTRACTION, SIEVE ANALYSIS		PER 500 TONS OR DAY	28	13910662.59	2254353.83	852.87	MAG NAIL
LAB DENSITY & STABILITY		PER 500 TONS OR DAY	29	13912014.45	2256406.63	879.20	MAG NAIL
THEORETICAL DENSITY (RICE METHOD)		PER 500 TONS OR DAY	31	13910534.42	2255315.53	862.93	60D NAIL
TEMPERATURE - DURING LAY-DOWN		PER 300 LF STREET	32	13909749.70	2254369.08	840.66	60D NAIL
THICKNESS - IN PLACE		PER 300 LF STREET	33	13910750.00	2255640.07	869.53	60D NAIL
% AIR VOIDS - IN PLACE		PER 300 LF STREET	34	13910109.61	2254467.00	847.73	60D NAIL
% THEORETICAL DENSITY - IN PLACE		PER 300 LF STREET	35	13909834.12	2256098.76	832.69	60D NAIL
			36	13909659.64	2255728.14	833.17	60D NAIL
CONCRETE:			37	13912014.45	2256493.43	879.20	MAG NAIL
(UNCONFINED COMPRESSION, 7, 14 & 28 DAY)			38	13912576.78	2256592.71	882.40	60D NAIL
CURB AND GUTTER		PER 1000 LF C&G	39	13912588.79	2256674.15	883.11	60D NAIL
SIDEWALK		PER 4000 SF	40	13912152.44	2256758.77	869.00	60D NAIL
DRIVEWAY		PER 2500 SF	41	13911729.49	2256708.02	869.72	60D NAIL
CURB INLETS		PER 10 INLETS	42	13911963.39	2256766.25	871.03	MAG NAIL
AIR, SLUMP & COMPRESSION - IN PLACE		PER EXPOSED STRUCTURE	43	13910998.08	2254265.52	840.88	60D NAIL
SLUMP & COMPRESSION - IN PLACE		PER UNDERGROUND STRUCTURE	44	13910848.84	2254129.15	840.84	MAG NAIL
			45	13910800.85	2254163.42	844.62	MAG NAIL
			46	13910922.68	2254333.70	845.80	MAG NAIL
			47	13911087.05	2254104.30	829.05	60D NAIL
			48	13911214.57	2254552.29	833.80	60D NAIL
			49	13911157.96	2254738.03	847.35	60D NAIL
			50	13909506.66	2254834.58	836.67	60D NAIL
			51	13909588.18	2254716.05	839.67	MAG NAIL
			52	13909979.75	2256231.26	834.39	60D NAIL
			53	13910105.77	2256484.34	833.53	60D NAIL
			54	13910105.12	2256688.95	831.22	60D NAIL
			55	13909491.39	2255140.35	838.46	MAG NAIL
			56	13909551.67	2255481.16	834.81	MAG NAIL
			57	13909559.34	2255058.02	838.73	60D NAIL

SPECIAL NOTES:

- CONTRACTOR TO COORDINATE EACH SERVICE LINE CONNECTION WITH THE CORRESPONDING PROPERTY OWNER.
 - EXISTING ON-SITE SEWAGE FACILITIES (SEPTIC SYSTEMS) SHALL HAVE THE WASTEWATER REMOVED BY A WASTE TRANSPORTER, HOLDING A CURRENT REGISTRATION WITH THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY EXECUTIVE DIRECTOR.
 - CORE DRILL 4" DRAIN HOLES IN BOTTOM OF SEPTIC SYSTEM STRUCTURE.
 - EACH SEPTIC SYSTEM TO BE ABANDONED SHALL HAVE THE LID AND WALLS DEMOLISHED TO 5' BELOW GRADE.
 - MISCELLANEOUS ON-SITE FILL AND DEBRIS CREATED FROM DEMOLITION (CRUSHED TO LESS THAN THREE INCHES IN DIAMETER) MAY BE USED TO FILL REMAINING STRUCTURE AND/OR PIT TO MATCH EXISTING GRADE.
 - FILL SHALL BE FREE OF ORGANIC AND CONSTRUCTION DEBRIS, ACCORDING TO TEXAS ADMINISTRATIVE CODE SECTION 285.36.
- CONTRACTOR TO COORDINATE LOCATION OF GRINDER PUMP STATIONS WITH THE CORRESPONDING PROPERTY OWNER (ONLY APPLIES TO SERVICE CONNECTIONS ON BLUE HOLE LANE).
- SERVICE CONNECTIONS WILL BE PAID ACCORDING TO THE FOLLOWING BID ITEMS AND DESCRIPTIONS:
 - SHORT SERVICE CONNECTION - 1 TO 100 LINEAR FEET
 - MEDIUM SERVICE CONNECTION - 101 TO 300 LINEAR FEET
 - LONG SERVICE CONNECTION - 301 TO 500 LINEAR FEET
 - SERVICE CONNECTIONS LONGER THAN 500 FEET WILL BE PAID PER LINEAR FOOT AS A SEPARATE BID ITEM.
- THIS PROJECT IS SUBJECT TO THE AMERICAN IRON AND STEEL (AIS) REQUIREMENTS OF 33 U.S.C §1388 FOR CLEAN WATER STATE REVOLVING FUND PROJECTS OR PUBLIC LAW 114-113, CONSOLIDATED APPROPRIATIONS ACT, 2016, OR SUBSEQUENT APPROPRIATIONS ACTS, FOR DRINKING WATER STATE REVOLVING FUND PROJECTS. ANY CONTRACT OR CONTRACTS AWARDED UNDER THIS INVITATION FOR BIDS ARE SUBJECT TO THE AIS REQUIREMENTS OF THESE LAWS. MONTHLY COMPLIANCE WITH AIS WILL BE VERIFIED BY THE OWNER THROUGH THE SUBMITTAL OF THE TWOB FORM TWDB-1106-A.
- ALL COLLECTION SYSTEM PIPES AND MANHOLES INSTALLED ARE SUBJECT TO THE SEPARATION DISTANCES AND PROTECTION REQUIREMENTS LISTED IN THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY, CHAPTER 217 - DESIGN CRITERIA FOR DOMESTIC WASTEWATER SYSTEMS, PARAGRAPH 217.53 (D) SEPARATION DISTANCES.
- IF ARCHAEOLOGICAL MATERIALS ARE ENCOUNTERED ARE ENCOUNTERED DURING CONSTRUCTION, THE PROCEDURES CODIFIED AT 33 CFR 800.13(b) WILL APPLY AND THE RECIPIENT SHALL CONTACT THE ECONOMIC DEVELOPMENT ADMINISTRATION AND THE TEXAS STATE HISTORIC PRESERVATION OFFICE. ARCHAEOLOGICAL MATERIAL CONSIST OF ANY ITEMS, FIFTY YEARS OR OLDER WHICH WERE MADE OR USED BY MAN. THESE ITEMS INCLUDE, BUT ARE NOT LIMITED TO, STONE PROJECTILE POINTS (ARROWHEADS), CERAMIC SHARDS, BRICKS, WORKED WOOD, BONE AND STONE, METAL OR GLASS OBJECTS, AND HUMAN SKELETAL REMAINS.
- THE ECONOMIC DEVELOPMENT ADMINISTRATION SIGN SPECIFICATIONS AND STANDARD DETAILS CAN BE FOUND IN THE PROJECT MANUAL IN THE DOCUMENT TITLED "EDA SITE SIGN SPECIFICATIONS."

SEQUENCE OF CONSTRUCTION:

- CONSTRUCT WASTE WATER TREATMENT PLANT.
- CONSTRUCT GRAVITY COLLECTION SYSTEM.
- CONSTRUCT FORCE MAIN.
- CONSTRUCT RANCH ROAD PUMP STATION.
- CONNECT EXISTING BLUE HOLE PUMP STATION TO NEW FORCE MAIN.
- INSTALL SERVICE CONNECTIONS TO GRAVITY COLLECTION SYSTEM AND ABANDON SEPTIC SYSTEMS PER SPECIAL NOTES.
- INSTALL GRINDER PUMP STATIONS TO NEW FORCE MAIN.
- INSTALL RECLAIMED WATERLINE.
- COMPLETE THE PROJECT, ENTER THE WARRANTY PERIOD.

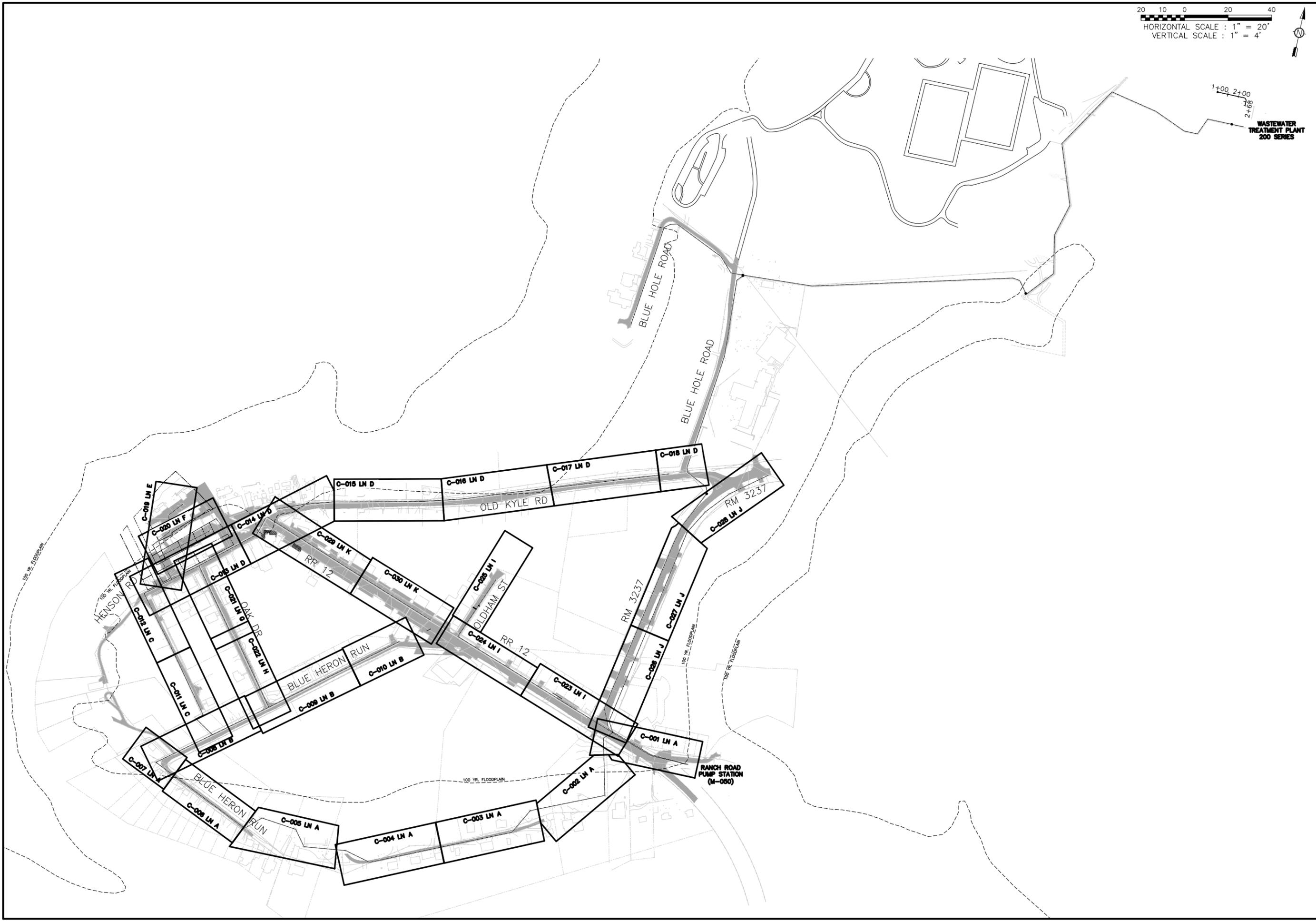
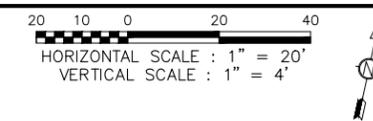
SURVEY CONTROL POINTS (NAD83/HARN)(GRID- FEET)

PNT NO.	NORTHING	EASTING	ELEV.	DESCRIPTION
1	13909392.53	2252652.63	819.36	80D NAIL
2	13908284.88	2253714.68	913.59	80D NAIL
3	13907608.37	2255003.96	911.78	80D NAIL
4	13911240.69	2253873.81	849.76	80D NAIL
5	13911513.95	2256192.45	877.80	80D NAIL
6	13909064.47	2256463.54	857.47	80D NAIL
8	13913764.38	2257574.04	904.93	80D NAIL
9	13912462.89	2258918.00	923.42	80D NAIL
10	13917803.25	2257954.85	963.35	80D NAIL
11	13915507.32	2258795.18	951.08	80D NAIL
12	13914885.05	2260521.81	1036.51	80D NAIL
13	13908320.20	2257055.97	860.79	TXDOT BRASS DISK N1067381
14	13913080.36	2256205.19	859.21	MAG NAIL
20	13910910.45	2254601.93	854.64	80D NAIL
21	13910827.07	2255019.64	858.70	MAG NAIL
22	13910596.06	2255956.57	867.77	MAG NAIL
23	13910316.71	2256308.26	844.12	80D NAIL
24	13911322.19	2256472.58	869.87	80D NAIL
25	13911502.54	2256200.89	877.48	80D NAIL
26	13911213.20	2255488.05	874.69	80D NAIL
27	13911093.61	2254836.38	853.82	MAG NAIL
28	13910662.59	2254353.83	852.87	MAG NAIL
29	13912014.45	2256406.63	879.20	MAG NAIL
31	13910534.42	2255315.53	862.93	60D NAIL
32	13909749.70	2254369.08	840.66	60D NAIL
33	13910750.00	2255640.07	869.53	60D NAIL
34	13910109.61	2254467.00	847.73	60D NAIL
35	13909834.12	2256098.76	832.69	60D NAIL
36	13909659.64	2255728.14	833.17	60D NAIL
37	13912014.45	2256493.43	879.20	MAG NAIL
38	13912576.78	2256592.71	882.40	60D NAIL
39	13912588.79	2256674.15	883.11	60D NAIL
40	13912152.44	2256758.77	869.00	60D NAIL
41	13911729.49	2256708.02	869.72	60D NAIL
42	13911963.39	2256766.25	871.03	MAG NAIL
43	13910998.08	2254265.52	840.88	60D NAIL
44	13910848.84	2254129.15	840.84	MAG NAIL
45	13910800.85	2254163.42	844.62	MAG NAIL
46	13910922.68	2254333.70	845.80	MAG NAIL
47	13911087.05	2254104.30	829.05	60D NAIL
48	13911214.57	2254552.29	833.80	60D NAIL
49	13911157.96	2254738.03	847.35	60D NAIL
50	13909506.66	2254834.58	836.67	60D NAIL
51	13909588.18	2254716.05	839.67	MAG NAIL
52	13909979.75	2256231.26	834.39	60D NAIL
53	13910105.77	2256484.34	833.53	60D NAIL
54	13910105.12	2256688.95	831.22	60D NAIL
55	13909491.39	2255140.35	838.46	MAG NAIL
56	13909551.67	2255481.16	834.81	MAG NAIL
57	13909559.34	2255058.02	838.73	60D NAIL

- SURVEY INFORMATION WAS PROVIDED BY MACIAS & ASSOCIATES, L.P., 5410 SOUTH 1ST STREET, AUSTIN TX 78745. THE SURVEY WAS PERFORMED IN NOVEMBER OF 2014. ALL COORDINATES ARE STATE PLANE COORDINATES.
- CONTRACTOR SHALL FIELD VERIFY ALL ELEVATIONS THAT MAY AFFECT THE WORK. ALL ELEVATION CALLOUTS ARE ELEVATIONS ABOVE MEAN SEA LEVEL.
- INFORMATION PROVIDED ON THESE PLANS MAY OR MAY NOT SHOW ALL CURRENTLY EXISTING STRUCTURES AND UTILITIES ABOVE OR BELOW GROUND. THE SURVEY INFORMATION DOES NOT INCLUDE THE LOCATION OF ALL EXISTING TREES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE ENTIRE PROJECT SITE PRIOR TO SUBMITTING A BID.

TxDOT NOTES

- THE CONTRACTOR IS TO CONTRACT ONE OF THE FOLLOWING FOR UTILITY LOCATIONS PRIOR TO ANY WORK IN TxDOT ROW:
 - TEXAS EXCAVATION SAFETY SYSTEMS (TESS) 1-800-245-4545
 - TEXAS ONE CALL SYSTEM (TOCS) 1-800-344-8377
- OWNER CONTACT INFORMATION:
 - WIMBERLEY WATER SUPPLY CORPORATION
 - 110 LA PAIS STREET
 - P.O. BOX 10
 - WIMBERLEY, TX 78676
 - FIELD OPERATIONS MANAGER
 - GARRETT ALLEN
 - CELL # 512-677-8118
 - OFFICE # 512-847-2323
- CONTRACTOR TO GIVE NOTICE TO TxDOT PRIOR TO COMMENCEMENT OF WORK. CONTRACTOR TO MAKE CERTAIN THAT TxDOT CONSTRUCTION PERMIT HAS BEEN OBTAINED PRIOR TO COMMENCEMENT OF WORK.
- LONE CLOSURES WILL BE ALLOWED ONLY WITH WRITTEN PERMISSION OF THE AREA ENGINEER.
- LANE CLOSURES ARE NOT ALLOWED IN INCLEMENT WEATHER OR IF THE PAVEMENT IS WET OR ICY.
- THE CONTRACTOR MUST CONTACT TxDOT 48 HOURS PRIOR TO WORKING IN THE ROW. THE CONTACT PERSONS NAME AND PHONE NUMBER IS SHOWN ON THE APPROVED UTILITY PERMIT REQUEST FORM.
- THE UTILITY COMPANY OR ITS CONTRACTOR WILL BE HELD RESPONSIBLE FOR KEEPING THE SITE ROADWAY FREE OF MUD, ROCKS AND GENERAL DEBRIS.
- CONSTRUCTION EQUIPMENT LEFT OVERNIGHT IN THE ROW MUST BE SECTIONED OFF WITH ORANGE PLASTIC MESH FENCING, AND BE PLACED AT LEAST 30 FEET OFF THE EDGE OF PAVEMENT. EQUIPMENT LOCATED CLOSER THAN 30 FEET MUST BE PROTECTED BY CONCRETE BARRIERS.
- FIELD CREWS WILL NOT BE ALLOWED TO PARK THEIR VEHICLES WITHIN THE STATE ROW.
- BORE PITS CLOSER THAN 30 FEET FROM THE EDGE OF PAVEMENT MUST BE PROTECTED BY CONCRETE TRAFFIC BARRIERS (CTB). OPEN PITS MUST BE SEALED OFF BY ORANGE PLASTIC MESH FENCING, CONES AND DRUMS.
- ALL ASPHALT AND CONCRETE DRIVEWAYS LOCATED WITHIN THE STATE ROW MUST BE BORED. AN EXCEPTION TO THIS RULE WILL BE ALLOWED ONLY IF THE OWNER OF THE DRIVEWAY IS WILLING TO PROVIDE TxDOT A LETTER GRANTING THE CONTRACTOR PERMISSION TO OPEN CUT THEIR DRIVEWAY. THE LETTER MUST BE SIGNED AND REFLECT THE PROPERTY OWNERS NAME, ADDRESS AND PHONE NUMBER. TxDOT MAY CONTACT THE OWNER TO VERIFY THE LETTER'S ACCURACY.
- TRAFFIC CONTROL MUST CONFORM TO TxDOT REQUIREMENTS AND RECOMMENDATIONS AND SHOULD MEET OR EXCEED THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TXMUTCD).
- THE UTILITY COMPANY AND / OR ITS CONTRACTOR MUST LOCATE EXISTING UTILITY LINES PRIOR TO DOING ANY GROUND WORK LIKE BORING, DIGGING, TRENCHING, OR DRILLING WITHIN THE ROW.
- THE CONTRACTOR SHALL REVEGETATE THE PROJECT AREA AS INDICATED UNDER THE TxDOT "REVEGETATION SPECIAL PROVISIONS."
- TREES WITH A TRUNK DIAMETER OF 6 INCHES OR MORE THAT TxDOT DETERMINES TO BE OF ENVIRONMENTAL AND AESTHETIC VALUE WILL HAVE TO BE BORED FROM DRIPLINE TO DRIPLINE.



ALAN PLUMMER ASSOCIATES, INC.
 ENVIRONMENTAL ENGINEERS AND SCIENTISTS
 6300 L. CALMA DRIVE, SUITE 400
 AUSTIN, TEXAS 78752-3843
 PHONE: 512-452-5905 FAX: 512-452-2325
 TEXAS REGISTERED ENGINEERING FIRM F-13

NO.	DATE	REVISION	BY

CITY OF WIMBERLEY
 221 Stillwater
 Wimberley, TX 78676

CITY OF WIMBERLEY
 WASTEWATER TREATMENT PLANT AND
 COLLECTION SYSTEM PROJECT
 GENERAL
 GRAVITY LINE SITE PLAN

STATE OF TEXAS
 SEAL OF THE STATE ENGINEER
 STEPHEN J. COONAN
 65516
 LICENSED PROFESSIONAL ENGINEER
 12/15/16

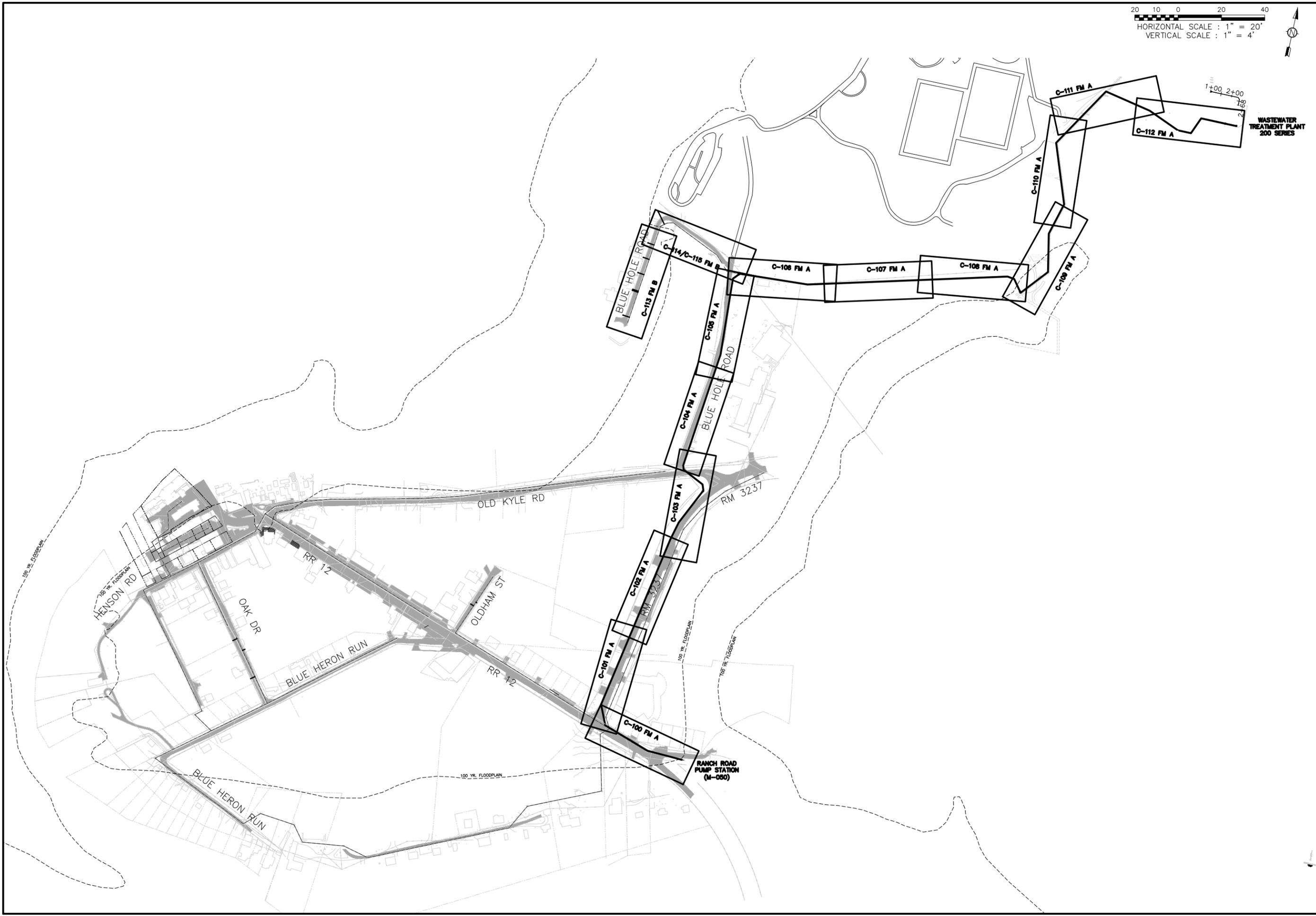
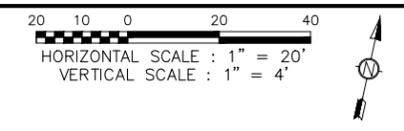
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 DRAWN B. DICKMAN
 CHECKED C. SYVARTH
 REVIEWED S. COONAN

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WASTEWATER TREATMENT PLANT 200 SERIES

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 AUSTIN, TEXAS 78752-3843
 PHONE: 512-452-5905 - FAX: 512-452-2325
 TEXAS REGISTERED ENGINEERING FIRM F-13

NO.	DATE	REVISION	BY

CITY OF WIMBERLEY
 221 Stillwater
 Wimberley, TX 78676

CITY OF WIMBERLEY
 WASTEWATER TREATMENT PLANT AND COLLECTION SYSTEM PROJECT
 GENERAL
FORCE MAIN SITE PLAN

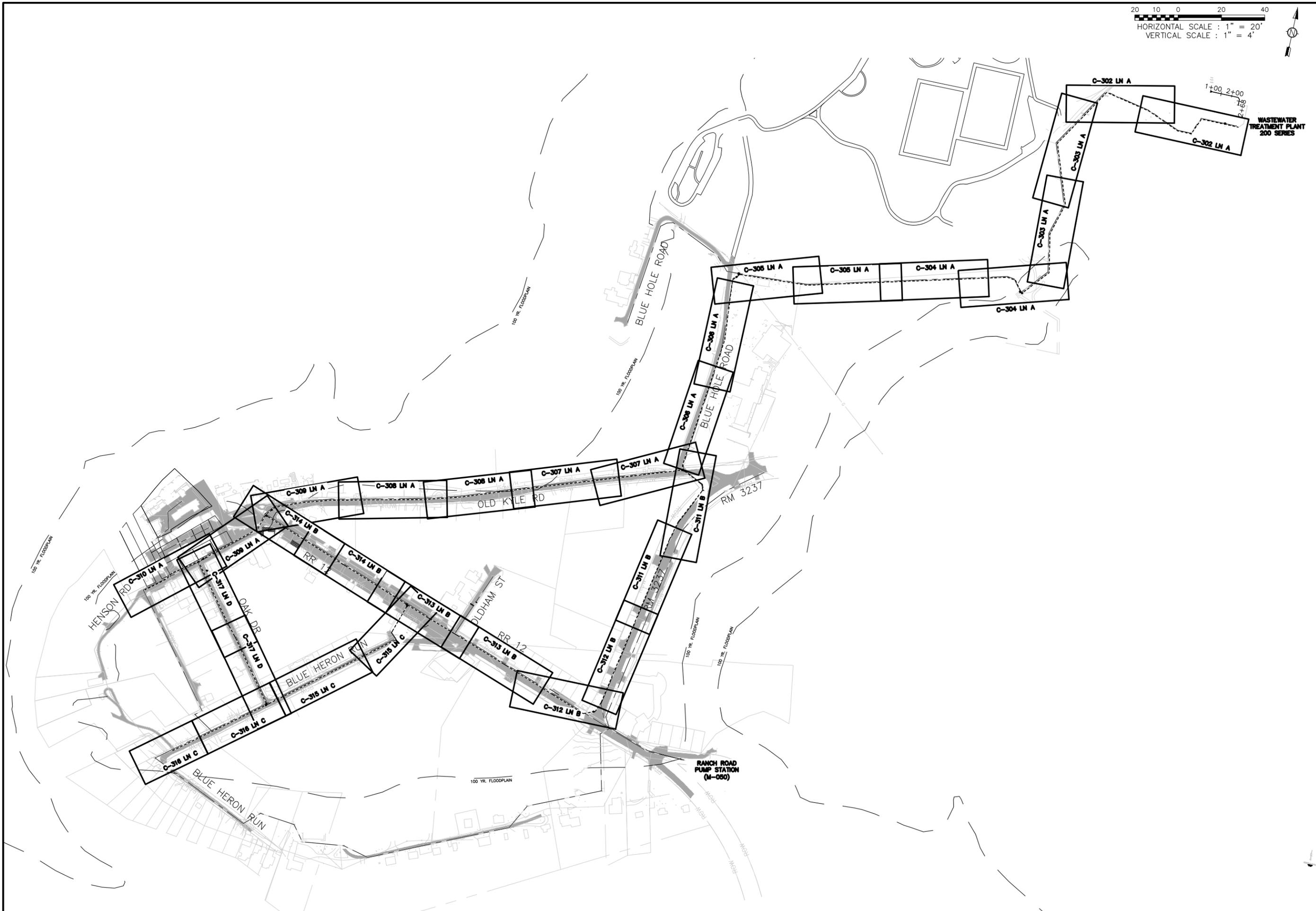
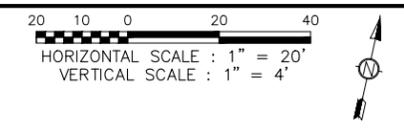
STATE OF TEXAS
 SEPTEMBER 1997
 LICENSED PROFESSIONAL ENGINEER
 65516
 STEPHEN J. COONAN
 12/15/16

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 DRAWN B. DICKMAN
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 AUSTIN, TEXAS 78752-3843
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 TEXAS REGISTERED ENGINEERING FIRM F-13

NO.	DATE	REVISION	BY
		CITY OF WIMBERLEY 221 Stillwater Wimberley, TX 78676	

CITY OF WIMBERLEY
 WASTEWATER TREATMENT PLANT AND
 COLLECTION SYSTEM PROJECT
 GENERAL
 RECLAIMED WATER SITE PLAN

STATE OF TEXAS
 LICENSED PROFESSIONAL ENGINEER
 STEPHEN J. COONAN
 65516
 12/15/16

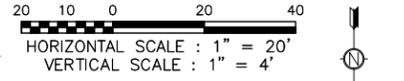
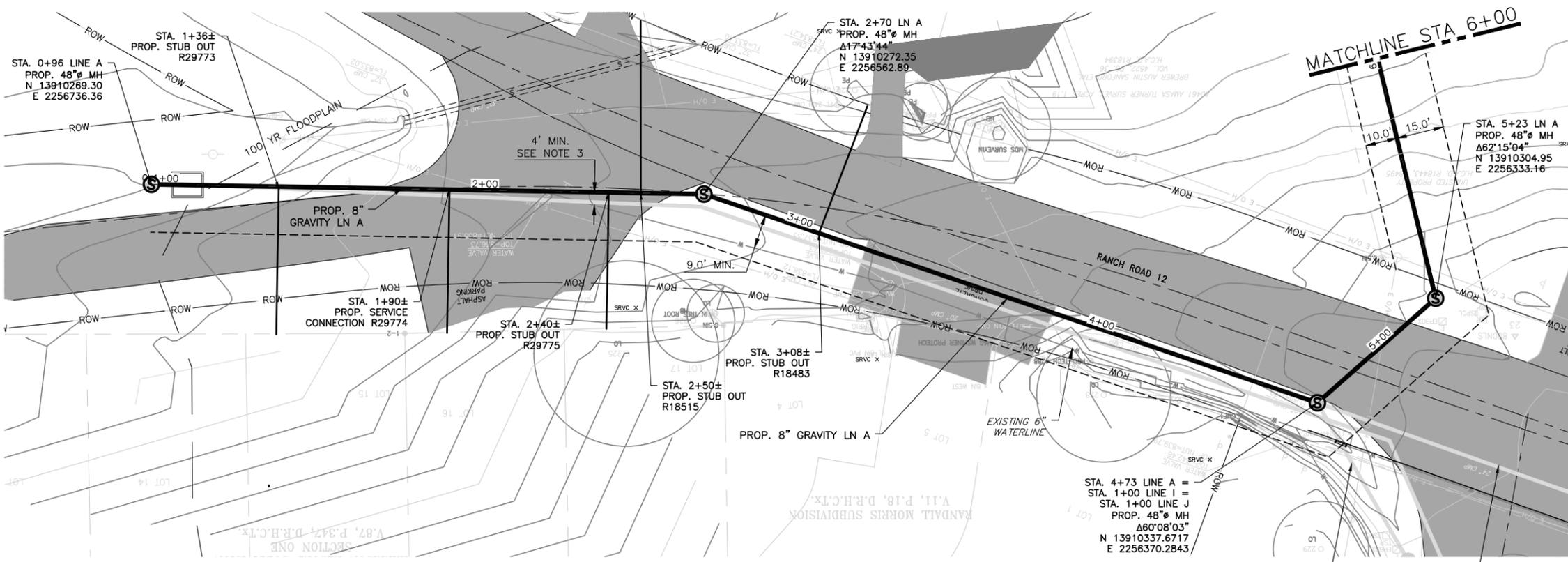
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 ONE INCH

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 DRAWN B. DICKMAN
 CHECKED C. SYVARTH
 REVIEWED S. COONAN

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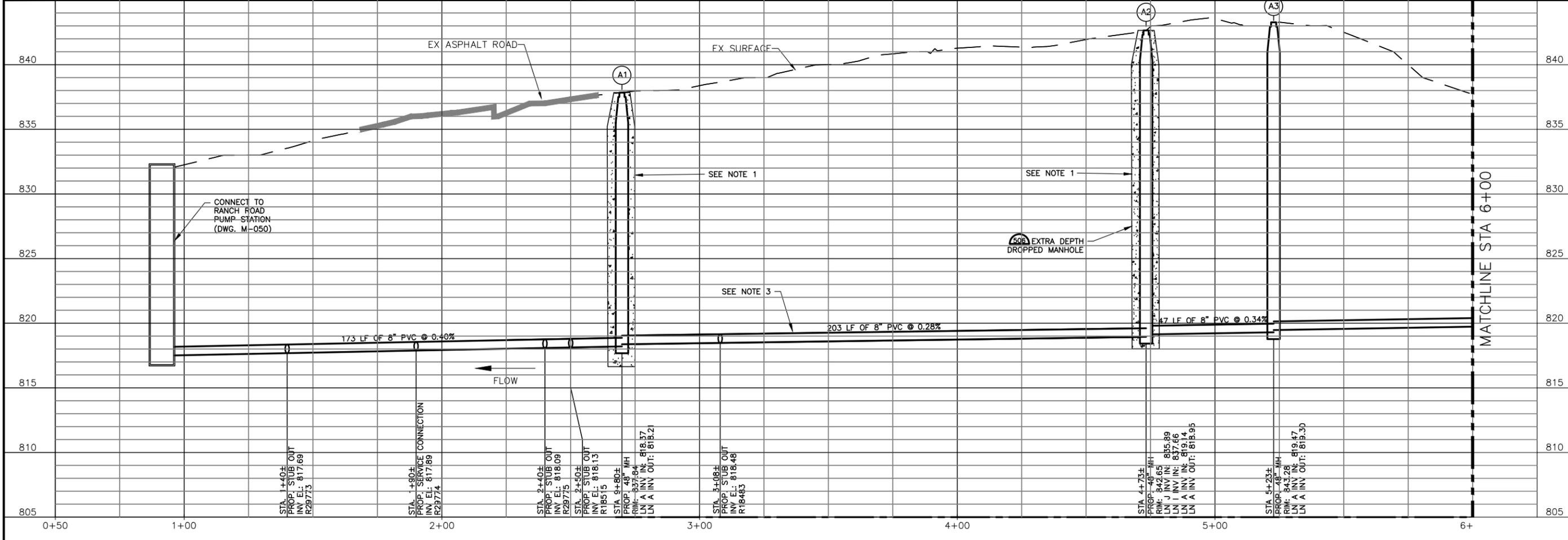


- NOTES:**
- MANHOLES WITHIN NINE FEET OF A WATER SUPPLY LINE SHALL BE ENCASED IN AT LEAST ONE FOOT OF CEMENT STABILIZED SAND THAT MUST INCLUDE AT LEAST 160 POUNDS OF CEMENT FOR EVERY CUBIC YARD OF SAND.
 - PIPE CROSSING BELOW A WATER SUPPLY PIPE MUST HAVE AT LEAST 2 FEET SEPARATION BETWEEN THE OUTSIDE OF THE PIPES AND BE ENCASED FOR 18 FEET, CENTERED UNDER THE WATER SUPPLY LINE, IN CEMENT STABILIZED SAND THAT MUST:
 - (I) INCLUDE AT LEAST 160 POUNDS OF CEMENT FOR EVERY CUBIC YARD OF SAND.
 - (II) BE INSTALLED BEGINNING ONE QUARTER PIPE DIAMETER BELOW THE CENTERLINE OF THE COLLECTION SYSTEM PIPE.
 - (III) BE INSTALLED ENDING ONE FULL PIPE DIAMETER ABOVE THE TOP OF THE COLLECTION SYSTEM PIPE, OR 12 INCHES ABOVE THE COLLECTION SYSTEM PIPE, WHICHEVER IS GREATER.
 - PIPE PARALLEL TO AND WITHIN 9 FEET OF A WATER SUPPLY LINE MUST BE AT LEAST 150 PSI PRESSURE CLASS, CORROSION RESISTANT, NON-BRITTLE PIPE THAT:
 - (I) IS LOCATED AT LEAST TWO VERTICAL FEET BELOW THE WATER SUPPLY LINE;
 - (II) IS LOCATED AT LEAST FOUR HORIZONTAL FEET AWAY FROM THE WATER SUPPLY LINE; AND
 - (III) INCLUDES JOINTS THAT ARE DESIGNED TO SEAL AT ATMOSPHERIC PRESSURE.

ALAN PLUMMER ASSOCIATES, INC.
 ENVIRONMENTAL ENGINEERS AND SCIENTISTS
 63001 A CALMA DRIVE, SUITE 400
 AUSTIN, TEXAS 78752-3443
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 TEXAS REGISTERED ENGINEERING FIRM F-13

NO.	DATE	REVISION	BY

CITY OF WIMBERLEY
 WASTEWATER TREATMENT PLANT AND COLLECTION SYSTEM PROJECT
 GRAVITY LN A STA 1+00 TO STA 6+00

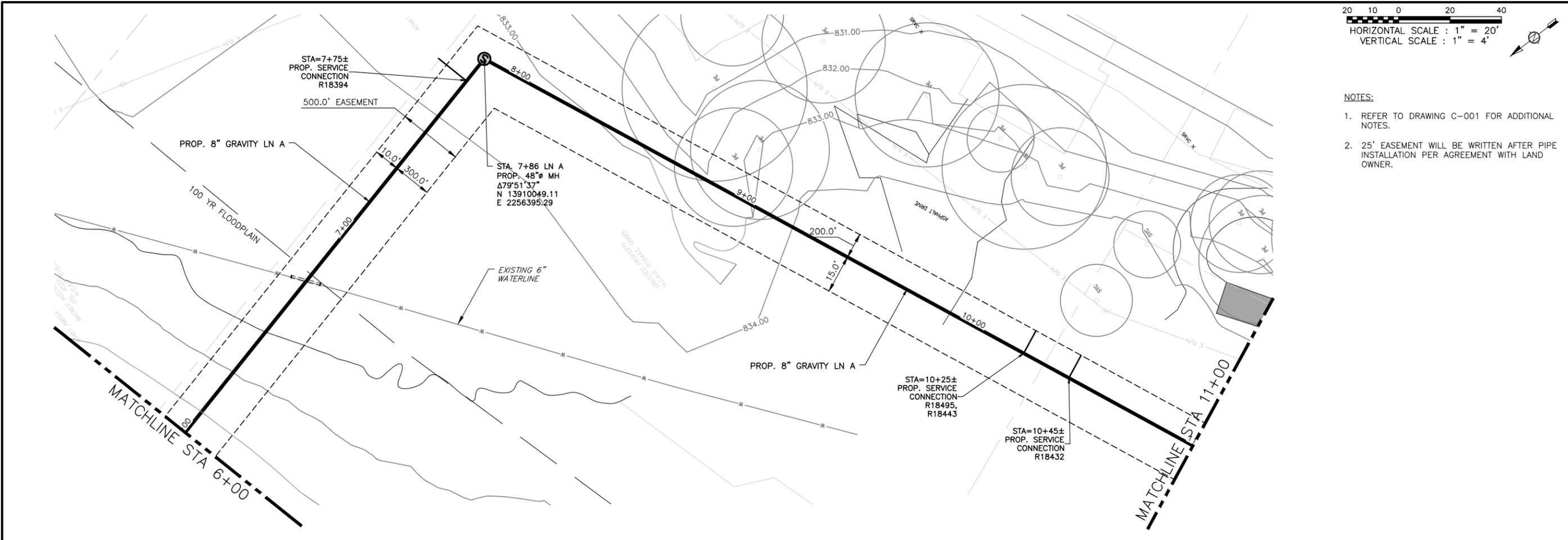


STATE OF TEXAS
 LICENSED PROFESSIONAL ENGINEER
 STEPHEN J. COONAN
 65516
 12/15/16

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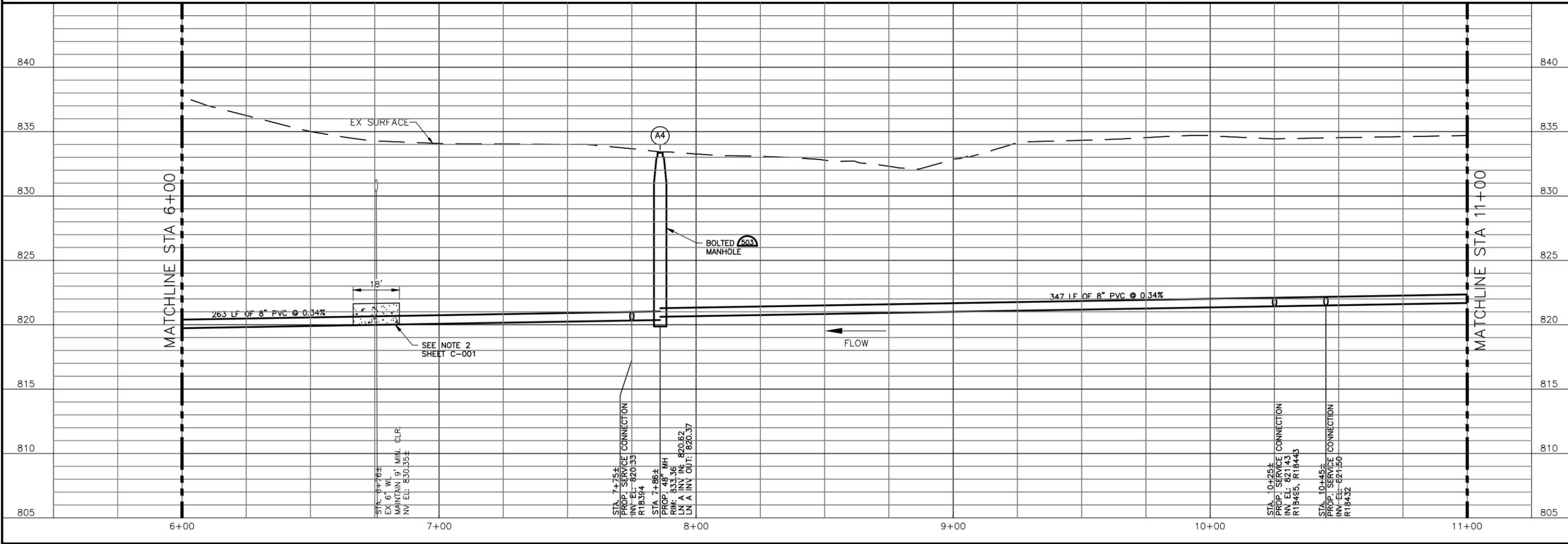
DESIGNED C. SYWARTH
 DRAWN B. BAUMAN
 CHECKED D. FRANKI
 REVIEWED S. COONAN

Seq. of
 Dwg. No. **C-001**
 1732-002-01



20 10 0 20 40
 HORIZONTAL SCALE : 1" = 20'
 VERTICAL SCALE : 1" = 4'

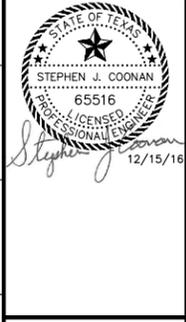
- NOTES:
- REFER TO DRAWING C-001 FOR ADDITIONAL NOTES.
 - 25' EASEMENT WILL BE WRITTEN AFTER PIPE INSTALLATION PER AGREEMENT WITH LAND OWNER.



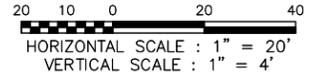
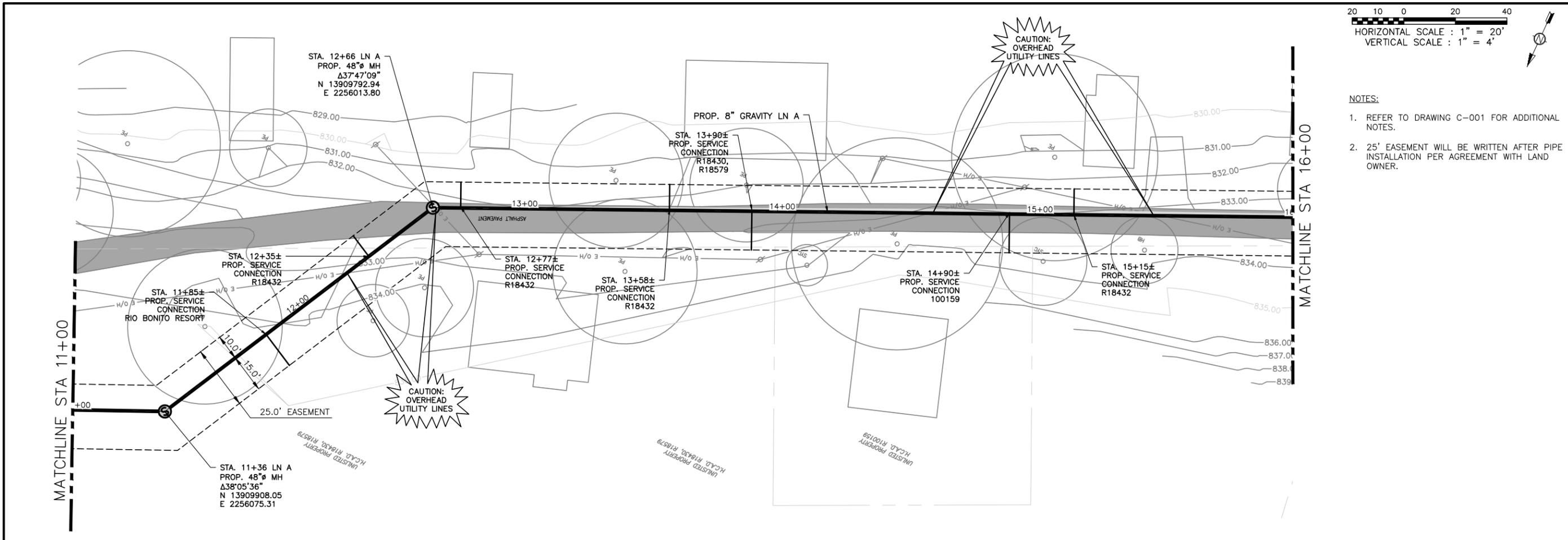
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 ENVIRONMENTAL ENGINEERS AND SCIENTISTS
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 AUSTIN, TEXAS 78752-3843
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 TEXAS REGISTERED ENGINEERING FIRM F-13

NO.	DATE	REVISION	BY

CITY OF WIMBERLEY
 WASTEWATER TREATMENT PLANT AND COLLECTION SYSTEM PROJECT
 GRAVITY LINE PLAN AND PROFILE
 GRAVITY LN A STA 6+00 TO STA 11+00
 Wimberley, TX 78676



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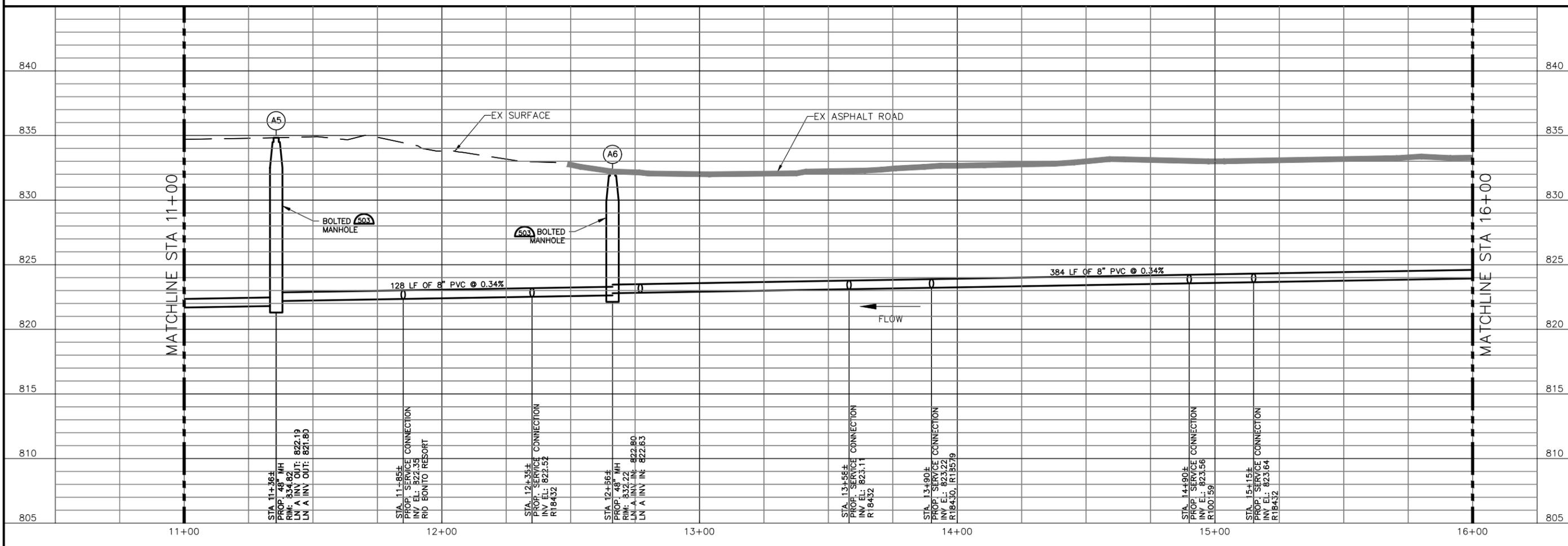
- NOTES:
- REFER TO DRAWING C-001 FOR ADDITIONAL NOTES.
 - 25' EASEMENT WILL BE WRITTEN AFTER PIPE INSTALLATION PER AGREEMENT WITH LAND OWNER.

ALAN PLUMMER ASSOCIATES, INC.
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 PHONE: 512-452-5905 FAX: 512-452-2325
 TEXAS REGISTERED ENGINEERING FIRM F-13

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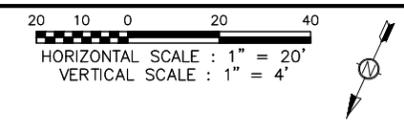
CITY OF WIMBERLEY
 221 Stillwater
 Wimberley, TX 78676

CITY OF WIMBERLEY
 WASTEWATER TREATMENT PLANT AND COLLECTION SYSTEM PROJECT
 GRAVITY LINE PLAN AND PROFILE
 GRAVITY LN A STA 11+00 TO STA 16+00



STATE OF TEXAS
 LICENSED PROFESSIONAL ENGINEER
 65516
 Stephen J. Coonan
 12/15/16

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- NOTES:
- REFER TO DRAWING C-001 FOR ADDITIONAL NOTES.
 - 25' EASEMENT WILL BE WRITTEN AFTER PIPE INSTALLATION PER AGREEMENT WITH LAND OWNER.

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 TEXAS REGISTERED ENGINEERING FIRM F-13

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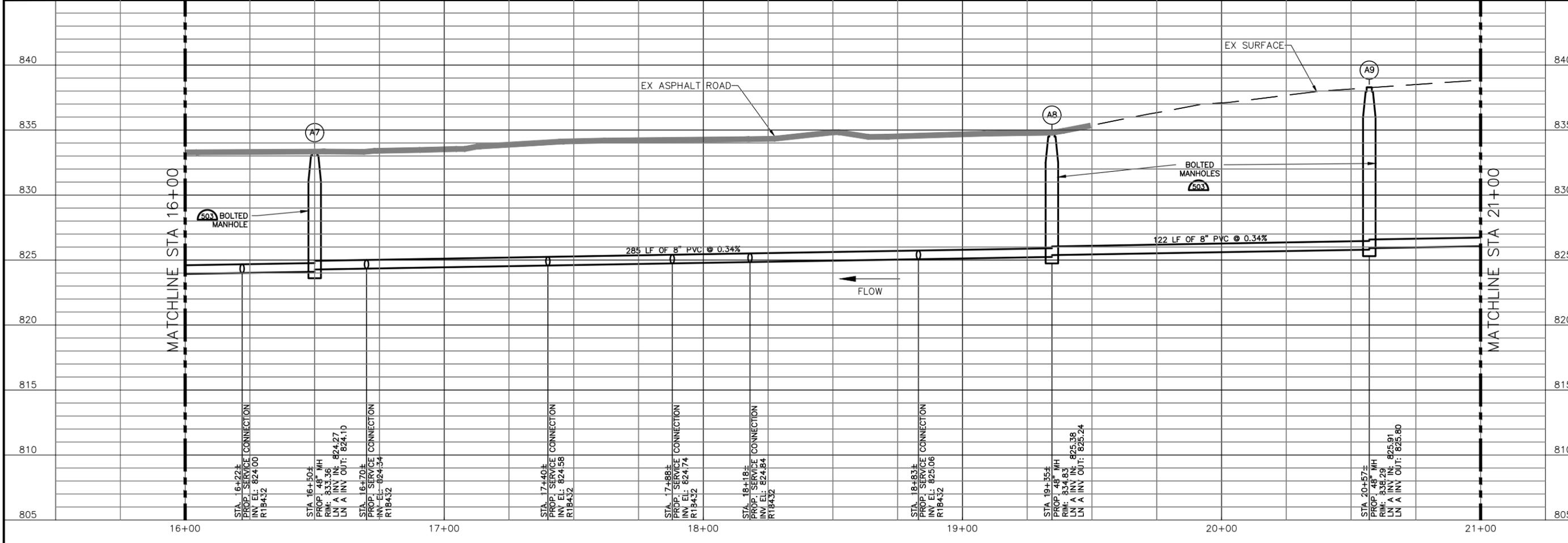
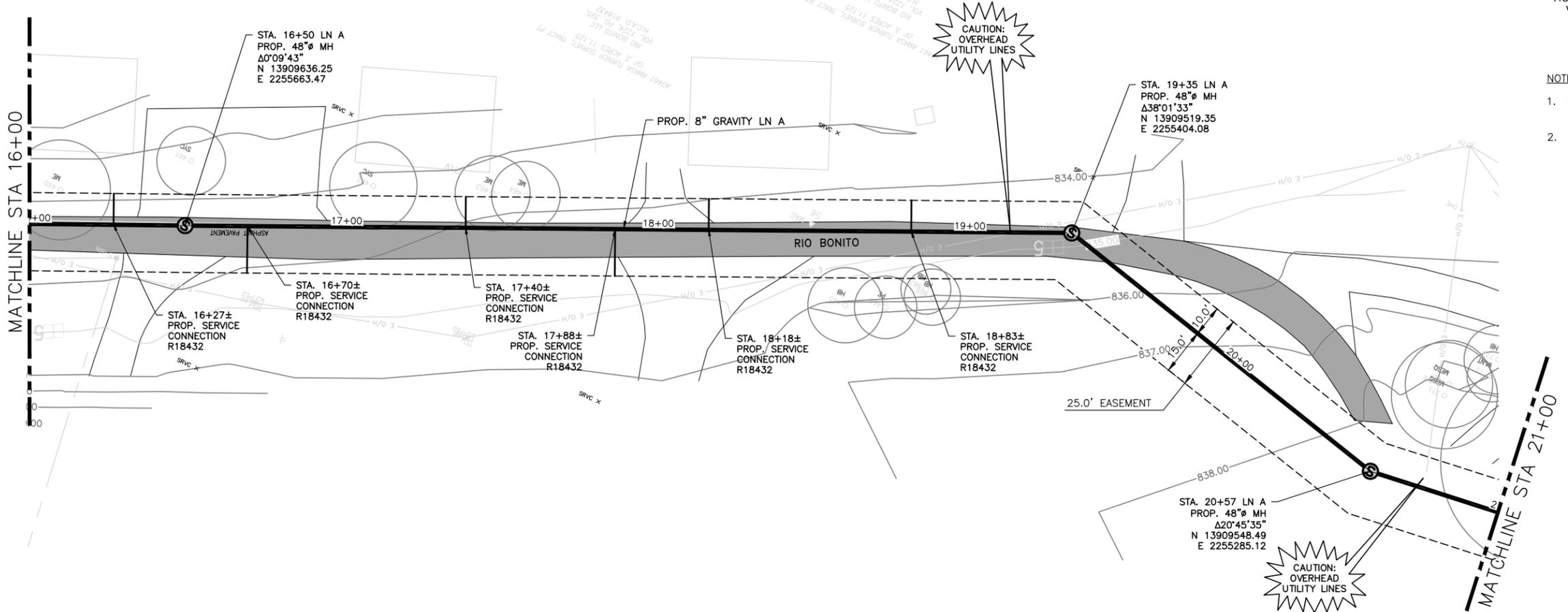
CITY OF WIMBERLEY
 221 Stillwater
 Wimberley, TX 78676

CITY OF WIMBERLEY
 WASTEWATER TREATMENT PLANT AND COLLECTION SYSTEM PROJECT
 GRAVITY LINE PLAN AND PROFILE
 GRAVITY LN A STA 16+00 TO STA 21+00

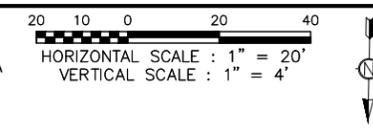
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 CHECKED D. FRANKI
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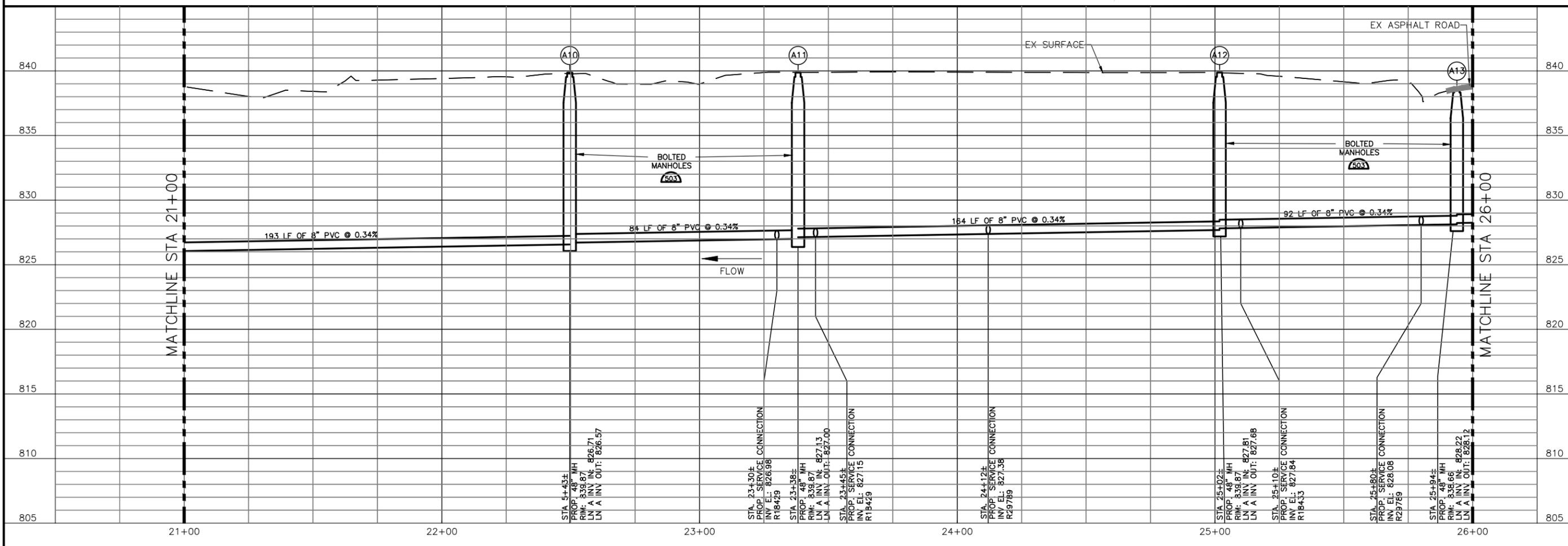
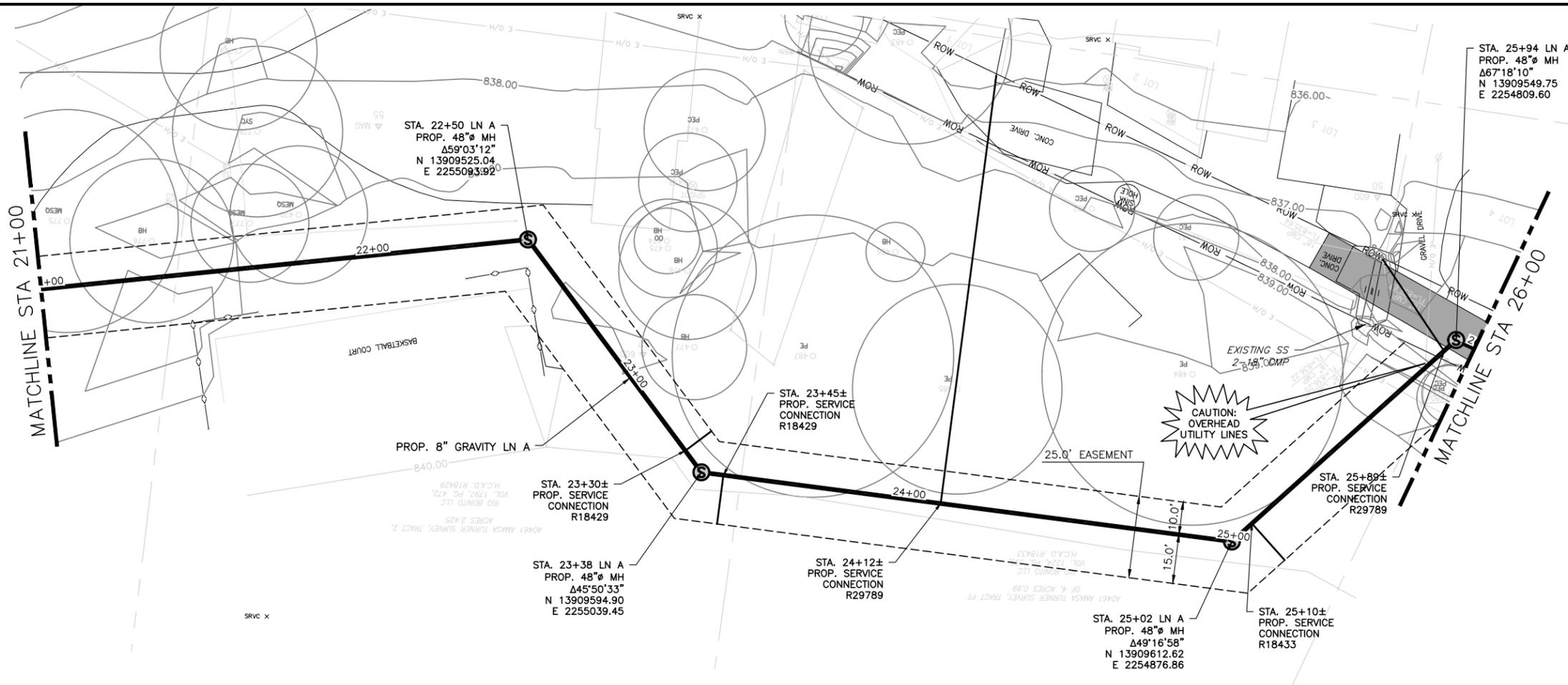
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- NOTES:
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 - 25' EASEMENT WILL BE WRITTEN AFTER PIPE INSTALLATION PER AGREEMENT WITH LAND OWNER.



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 ENVIRONMENTAL ENGINEERS AND SCIENTISTS
 63001 A CALMA DRIVE, SUITE 400
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 PHONE: 512-452-5905 FAX: 512-452-2325
 TEXAS REGISTERED ENGINEERING FIRM F-13

NO.	DATE	REVISION	BY

CITY OF WIMBERLEY
 WASTEWATER TREATMENT PLANT AND COLLECTION SYSTEM PROJECT
 GRAVITY LINE PLAN AND PROFILE
 GRAVITY LN A STA 21+00 TO STA 26+00

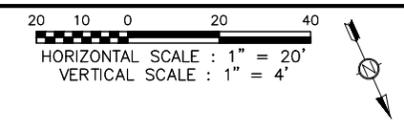
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DESIGNED **C. SYWARTH**
 DRAWN **B. BAUMAN**
 CHECKED **D. FRANKI**
 REVIEWED **S. COONAN**

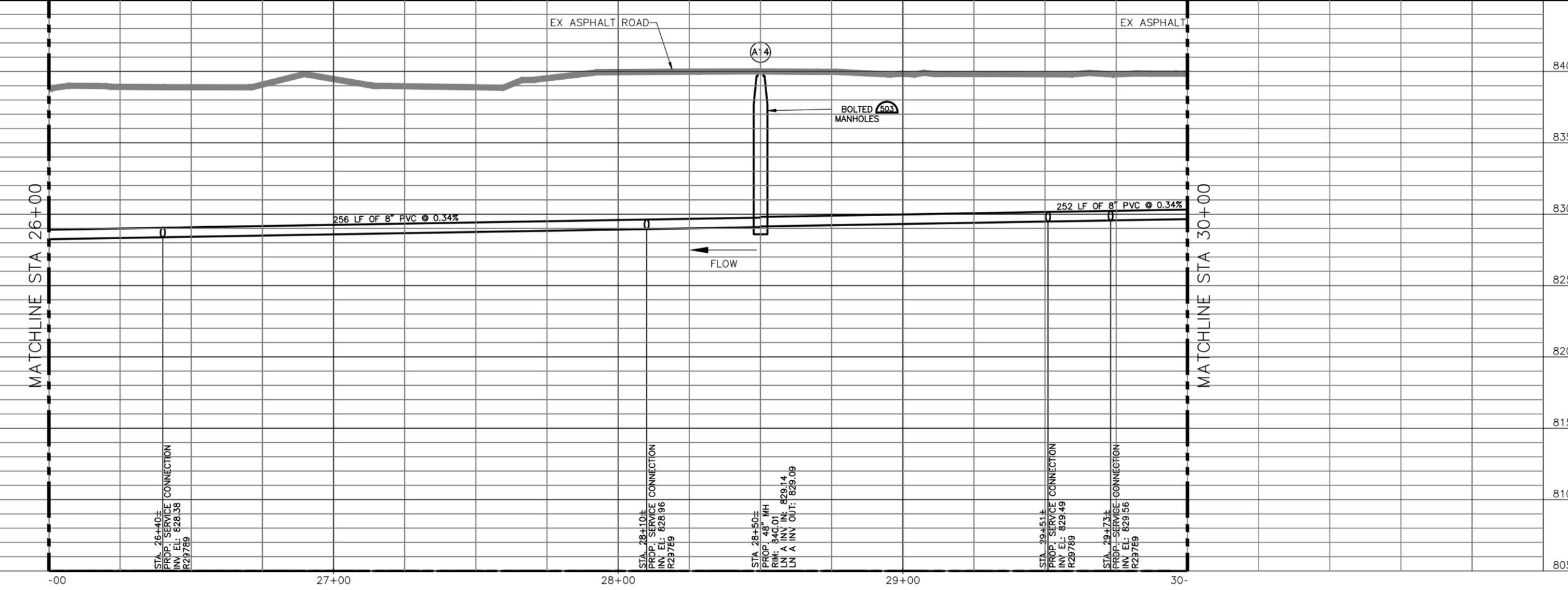
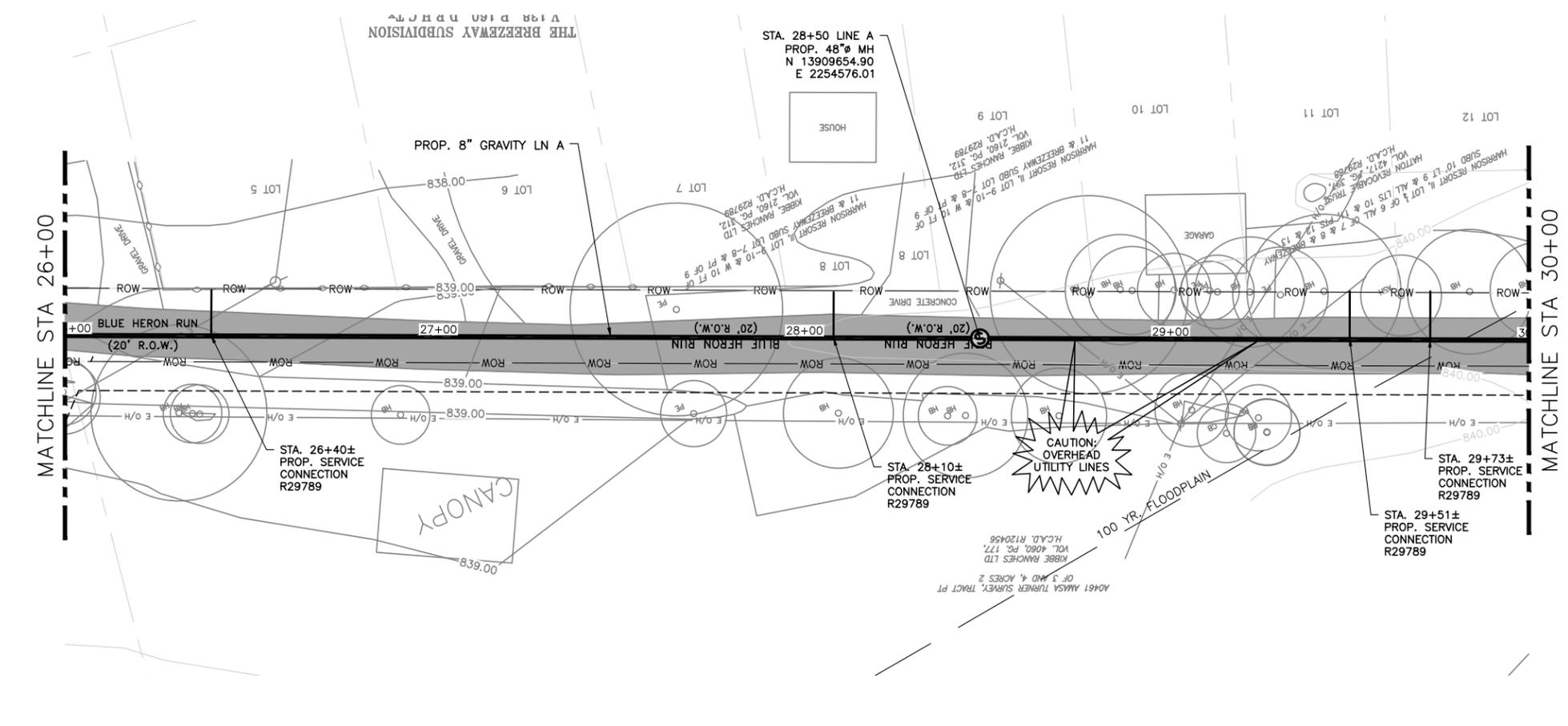
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Dwg. No. **C-005**
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NOTES:
 1. REFER TO DRAWING C-001 FOR ADDITIONAL NOTES.

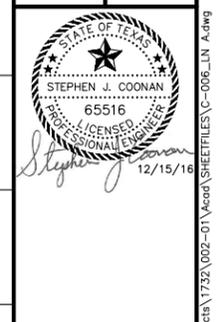


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 AUSTIN, TEXAS 78752-3843
 PHONE: 512-452-5905 FAX: 512-452-2325
 TEXAS REGISTERED ENGINEERING FIRM F-13

NO.	DATE	REVISION	BY

CITY OF WIMBERLEY
 221 Stillwater
 Wimberley, TX 78676

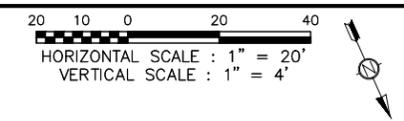
CITY OF WIMBERLEY
 WASTEWATER TREATMENT PLANT AND COLLECTION SYSTEM PROJECT
 GRAVITY LINE PLAN AND PROFILE
 GRAVITY LN A STA 26+00 TO STA 30+00



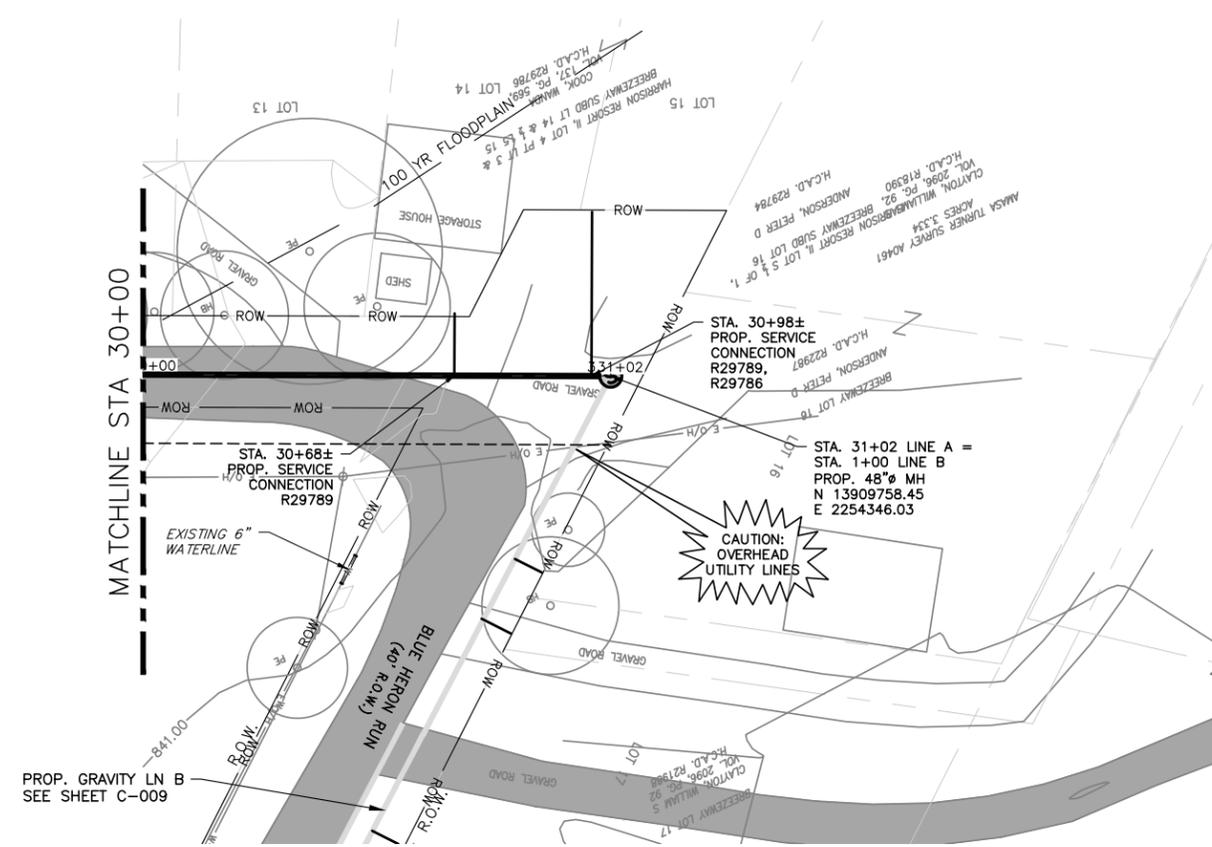
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 Dwg. No. **C-006**
 1732-002-01

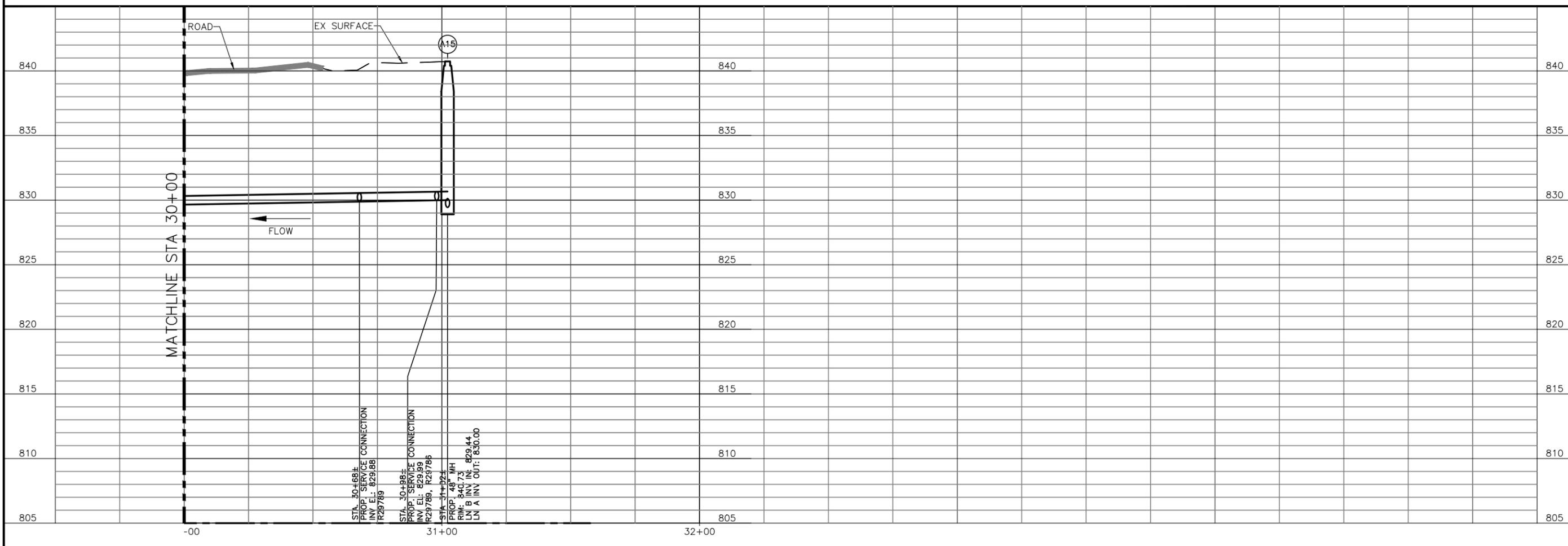


NOTES:
 1. REFER TO DRAWING C-001 FOR ADDITIONAL NOTES.



MATCHLINE STA 30+00

MATCHLINE STA 30+00



STA. 30+68±
 PROP. SERVICE CONNECTION
 INV. EL.: 829.88
 R29789

STA. 30+98±
 PROP. SERVICE CONNECTION
 INV. EL.: 829.99
 R29789, R29786

STA. 31+00±
 PROP. 48" MH
 INV. EL.: 829.44
 LN B INV. IN: 830.00
 LN A INV. OUT: 830.00

ALAN PLUMMER ASSOCIATES, INC.
 ENVIRONMENTAL ENGINEERS AND SCIENTISTS
 63001 A CALMA DRIVE, SUITE 400
 AUSTIN, TEXAS 78752-3843
 PHONE: 512-452-5905 FAX: 512-452-2325
 TEXAS REGISTERED ENGINEERING FIRM F-13

NO.	DATE	REVISION	BY

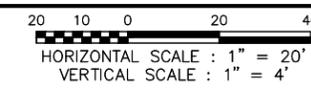
CITY OF WIMBERLEY
 221 Stillwater
 Wimberley, TX 78676

CITY OF WIMBERLEY
 WASTEWATER TREATMENT PLANT AND COLLECTION SYSTEM PROJECT
 GRAVITY LINE PLAN AND PROFILE
 GRAVITY LN A STA 30+00 TO STA 31+91

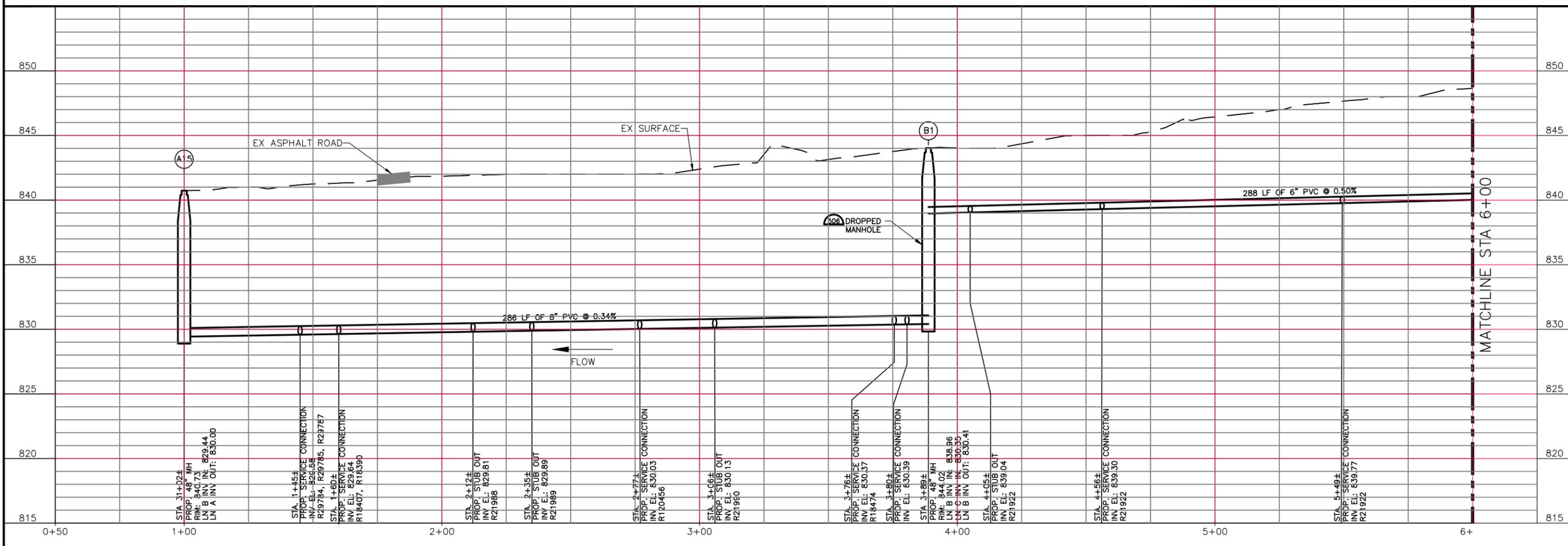
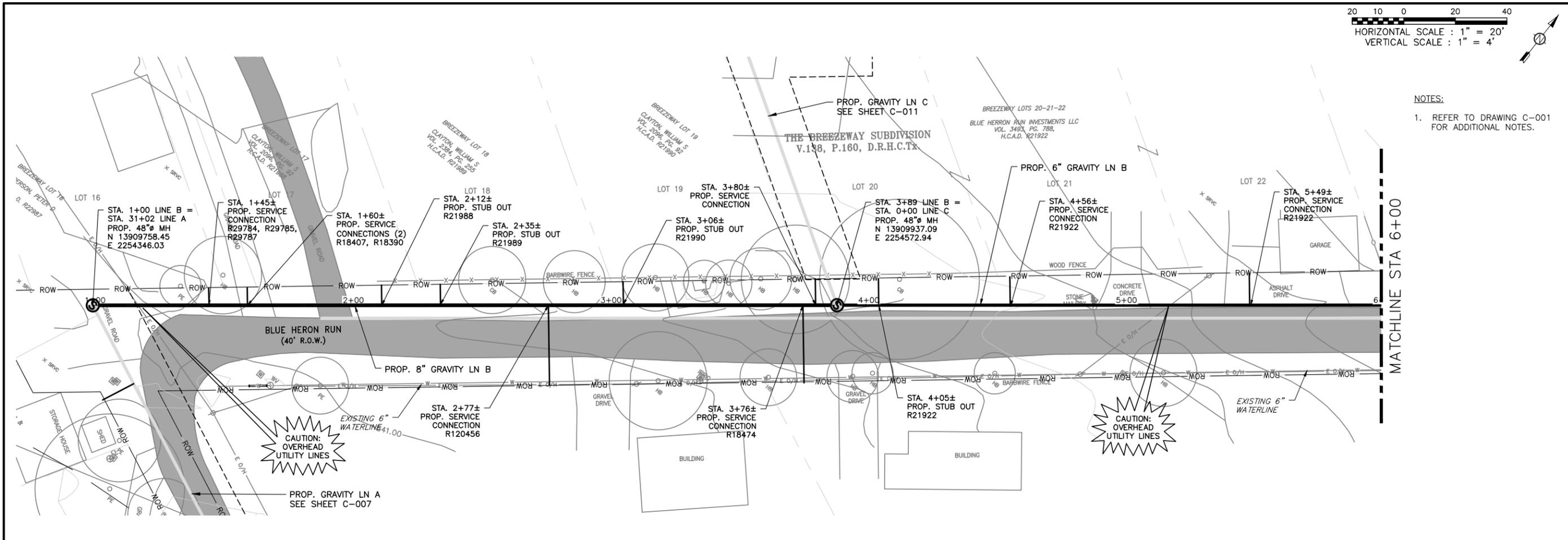
BAR IS ONE INCH ON ORIGINAL DRAWING.
 ONE INCH

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 DRAWN B. BAUMAN
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 REVIEWED S. COONAN

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 1732-002-01



NOTES:
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TEXAS REGISTERED ENGINEERING FIRM F-13

NO.	DATE	REVISION	BY

CITY OF WIMBERLEY
221 Stillwater
Wimberley, TX 78676

CITY OF WIMBERLEY
WASTEWATER TREATMENT PLANT AND COLLECTION SYSTEM PROJECT

GRAVITY LINE PLAN AND PROFILE
GRAVITY LN B STA 1+00 TO STA 6+00

STEPHEN J. COONAN
65516
LICENSED PROFESSIONAL ENGINEER
12/15/16

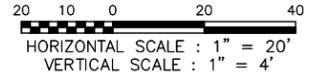
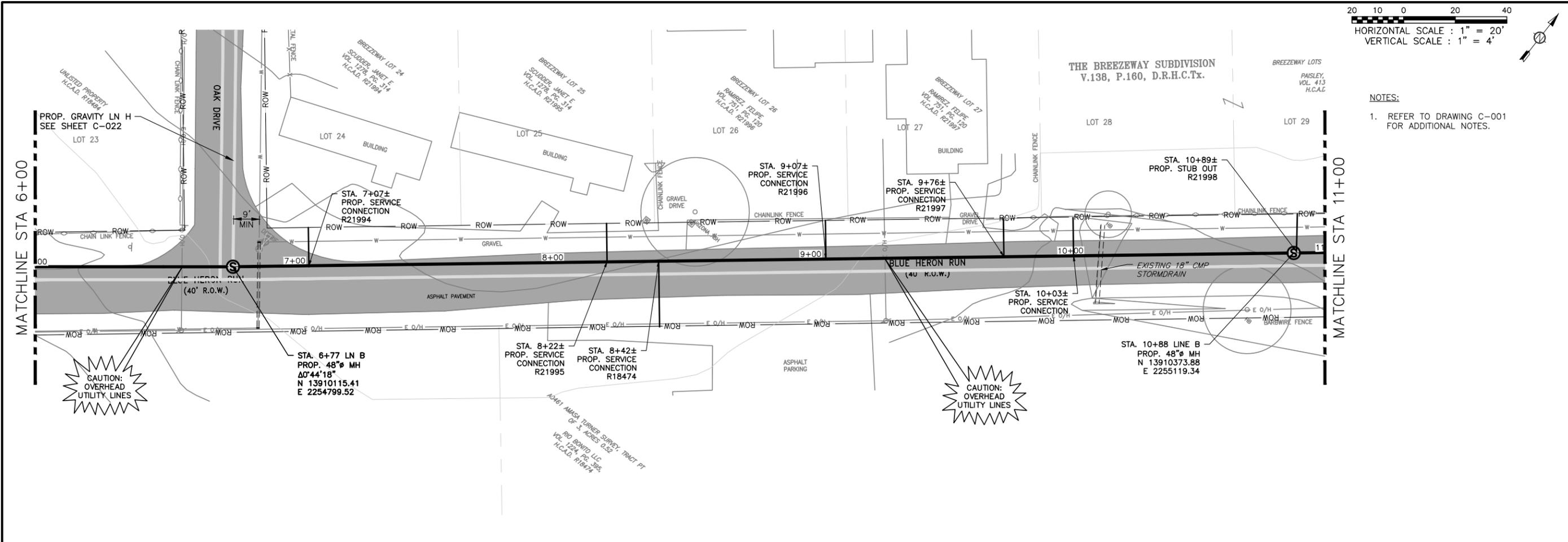
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DRAWN B. BAUMAN
CHECKED D. FRANKI
REVIEWED S. COONAN

Seq. of
Dwg. No. **C-008**

1732-002-01

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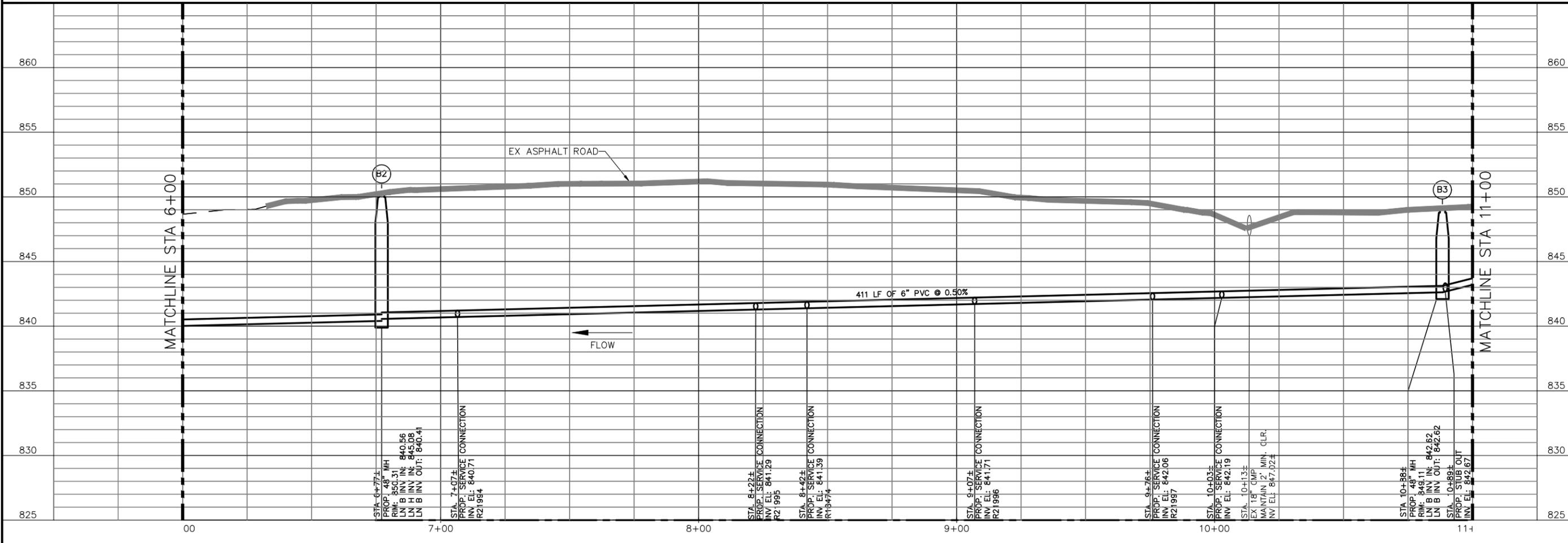


NOTES:
 1. REFER TO DRAWING C-001 FOR ADDITIONAL NOTES.

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 ENVIRONMENTAL ENGINEERS AND SCIENTISTS
 6300 L. CALMA DRIVE, SUITE 400
 AUSTIN, TEXAS 78752-3843
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 TEXAS REGISTERED ENGINEERING FIRM F-13

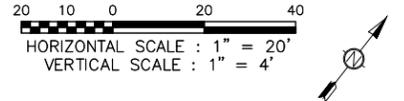
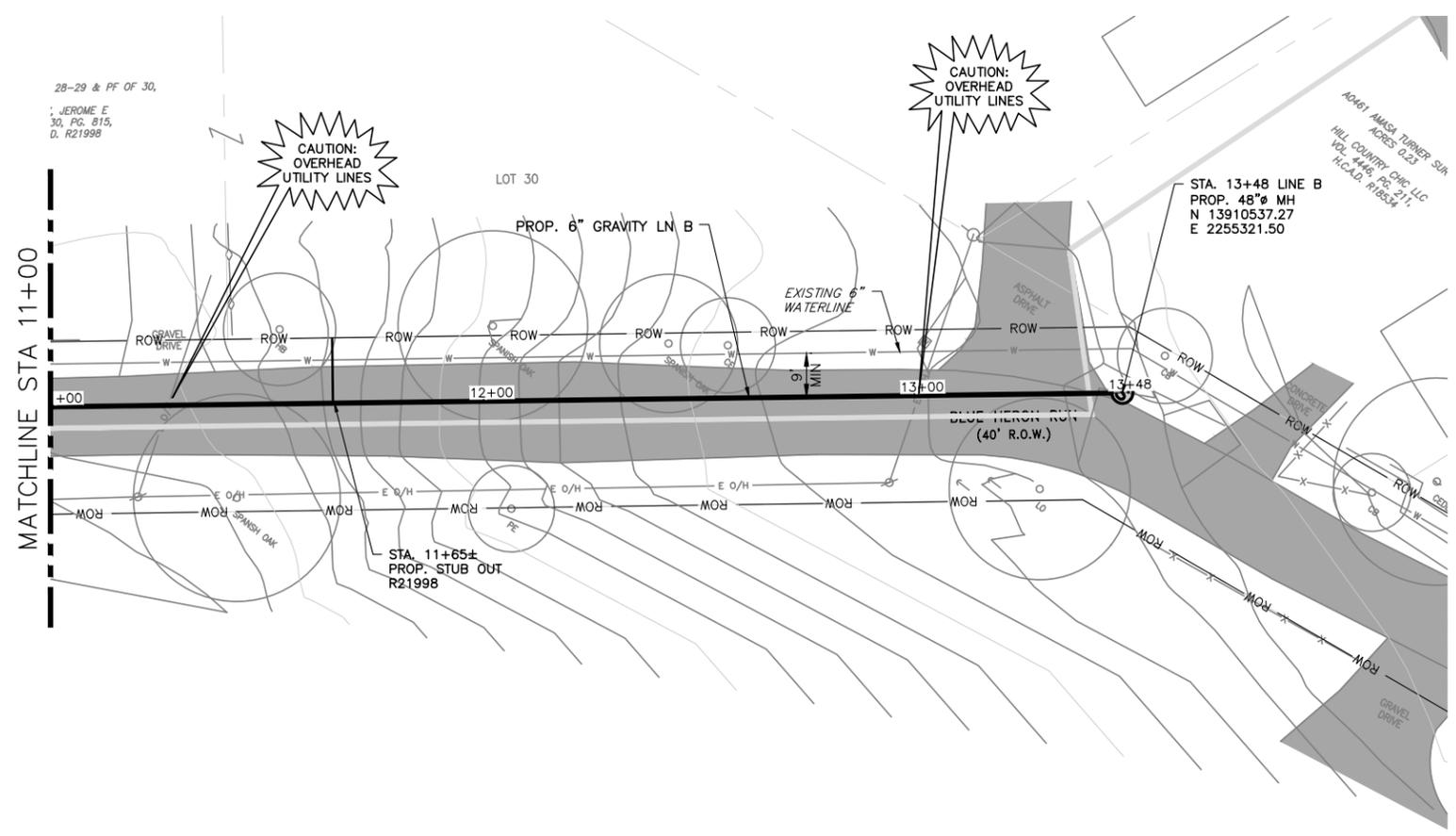
NO.	DATE	REVISION	BY

CITY OF WIMBERLEY
 WASTEWATER TREATMENT PLANT AND COLLECTION SYSTEM PROJECT
 GRAVITY LINE PLAN AND PROFILE
 GRAVITY LN B STA 6+00 TO STA 11+00
 WIMBERLEY, TX 78676



STATE OF TEXAS
 LICENSED PROFESSIONAL ENGINEER
 STEPHEN J. COONAN
 65516
 12/15/16

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 No. **C-009**
 1732-002-01



NOTES:
 1. REFER TO DRAWING C-001 FOR ADDITIONAL NOTES.

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 TEXAS REGISTERED ENGINEERING FIRM F-13

NO.	DATE	REVISION	BY

CITY OF WIMBERLEY
 221 Stillwater
 Wimberley, TX 78676

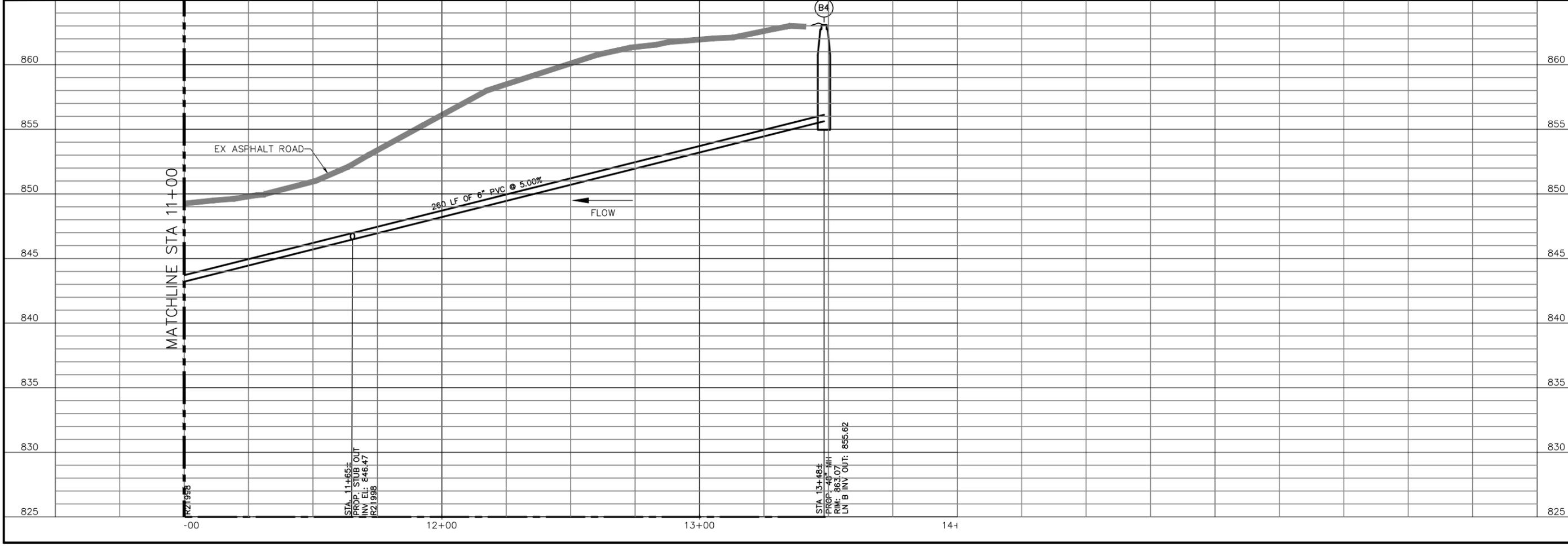
CITY OF WIMBERLEY
 WASTEWATER TREATMENT PLANT AND COLLECTION SYSTEM PROJECT
 GRAVITY LINE PLAN AND PROFILE
 GRAVITY LN B STA 11+00 TO STA 12+60

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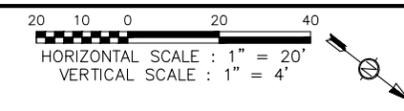
DESIGNED C. SYVARTH
 DRAWN B. BAUMAN
 CHECKED D. FRANKI
 REVIEWED S. COONAN

Seq. of
C-010

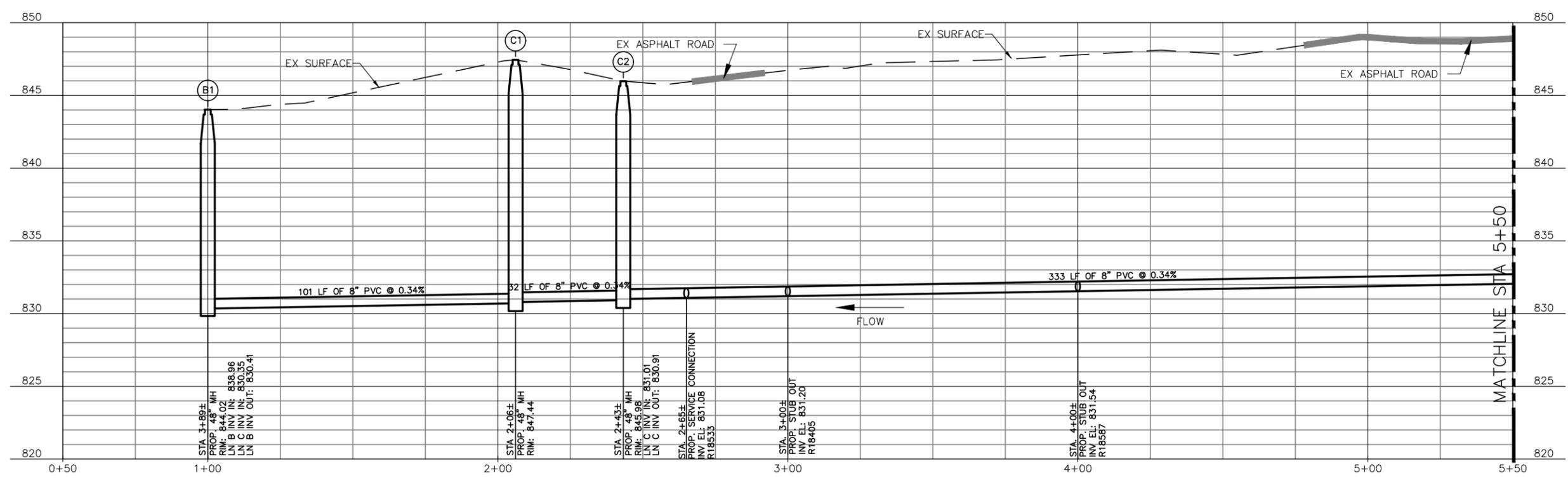
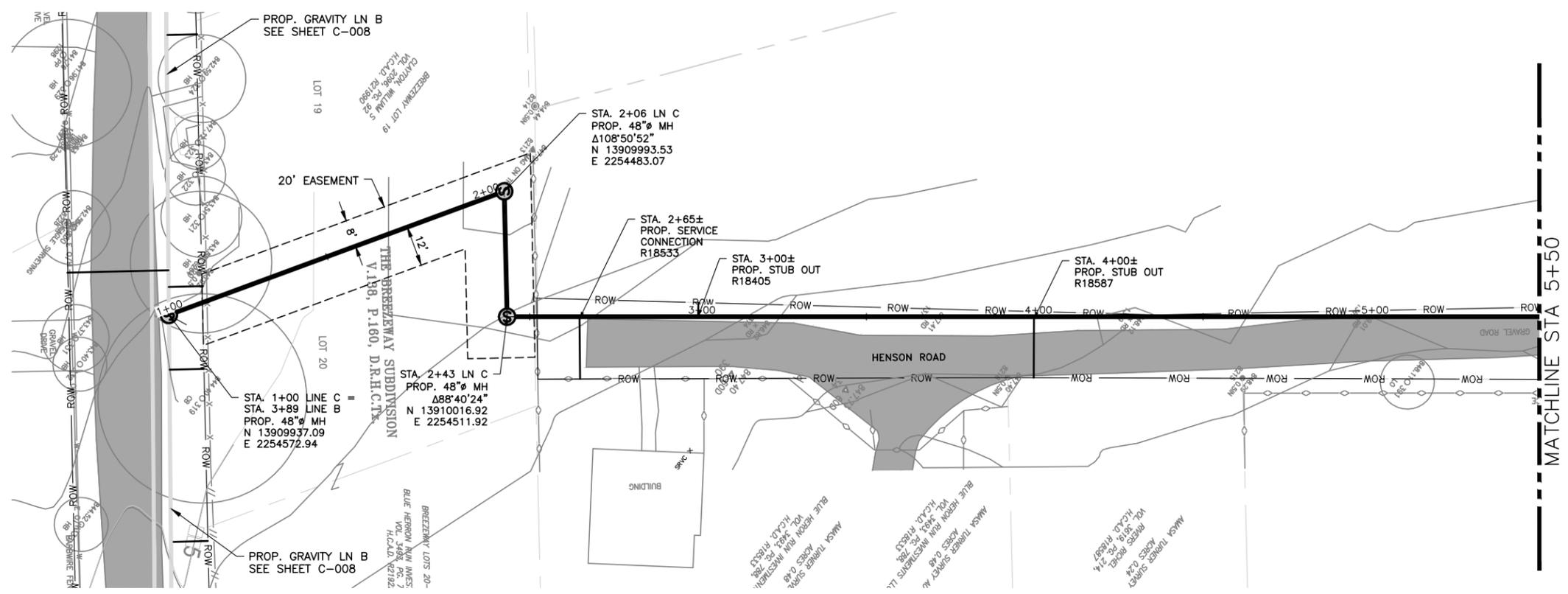
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NOTES:
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 TEXAS REGISTERED ENGINEERING FIRM F-13

NO.	DATE	REVISION	BY

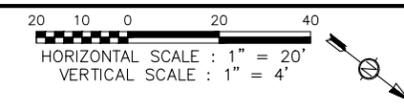
CITY OF WIMBERLEY
 WASTEWATER TREATMENT PLANT AND COLLECTION SYSTEM PROJECT
 GRAVITY LINE PLAN AND PROFILE
 GRAVITY LN C STA 1+00 TO STA 5+50
 WIMBERLEY, TX 78676

STATE OF TEXAS
 STEPHEN J. COONAN
 65516
 LICENSED PROFESSIONAL ENGINEER
 12/15/16

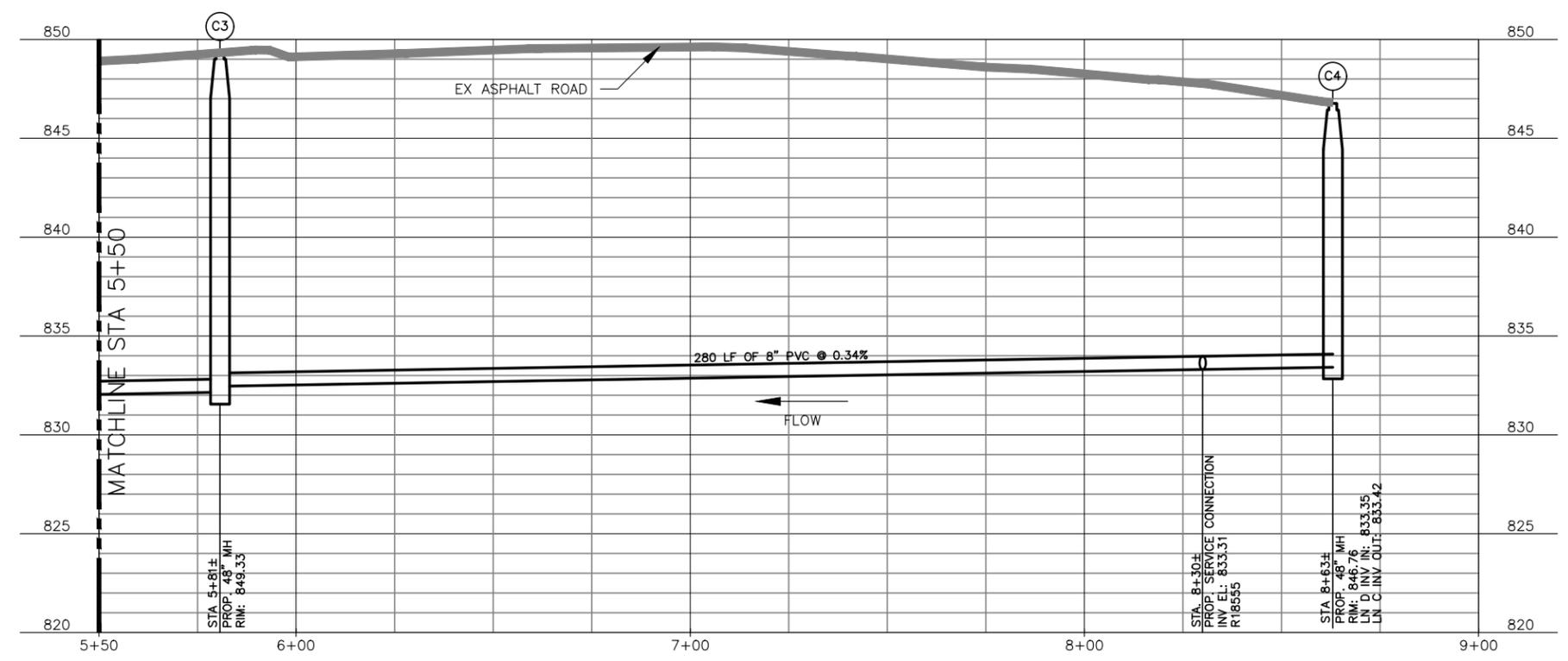
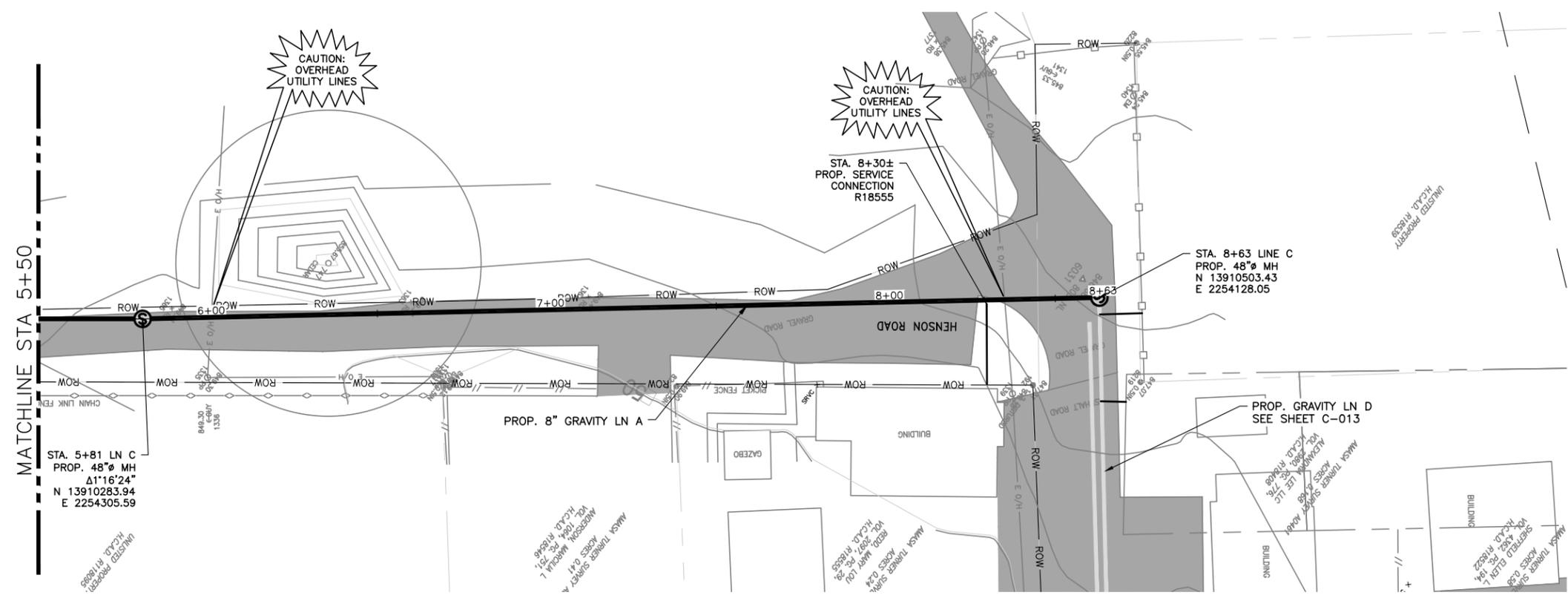
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 DRAWN B. BAUMAN
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 REVIEWED S. COONAN

Seq. of
 Dwg. No. **C-011**
 1732-002-01

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NOTES:
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 TEXAS REGISTERED ENGINEERING FIRM F-13

NO.	DATE	REVISION	BY

CITY OF WIMBERLEY
 221 Stillwater
 Wimberley, TX 78676

CITY OF WIMBERLEY
 WASTEWATER TREATMENT PLANT AND COLLECTION SYSTEM PROJECT
 GRAVITY LINE PLAN AND PROFILE
 GRAVITY LN C STA 5+50 TO STA 8+63

STATE OF TEXAS
 LICENSED PROFESSIONAL ENGINEER
 STEPHEN J. COONAN
 65516
 12/15/16

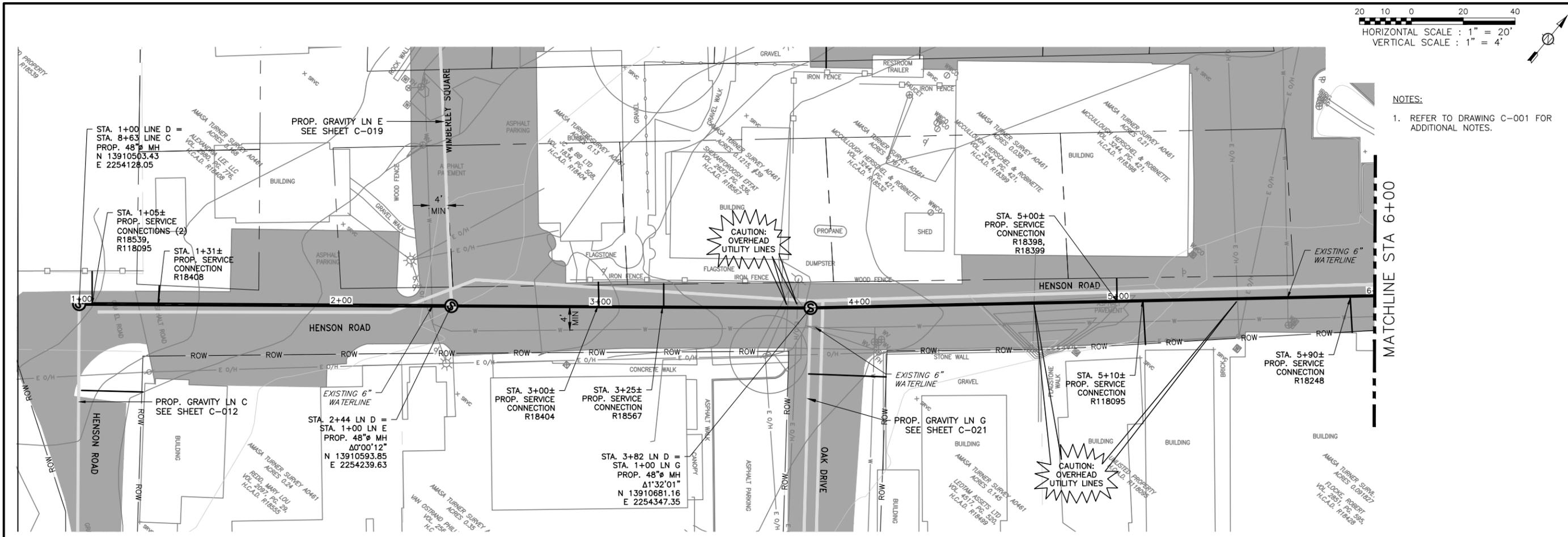
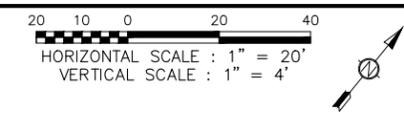
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 DRAWN B. BAUMAN
 CHECKED D. FRANKI
 REVIEWED S. COONAN

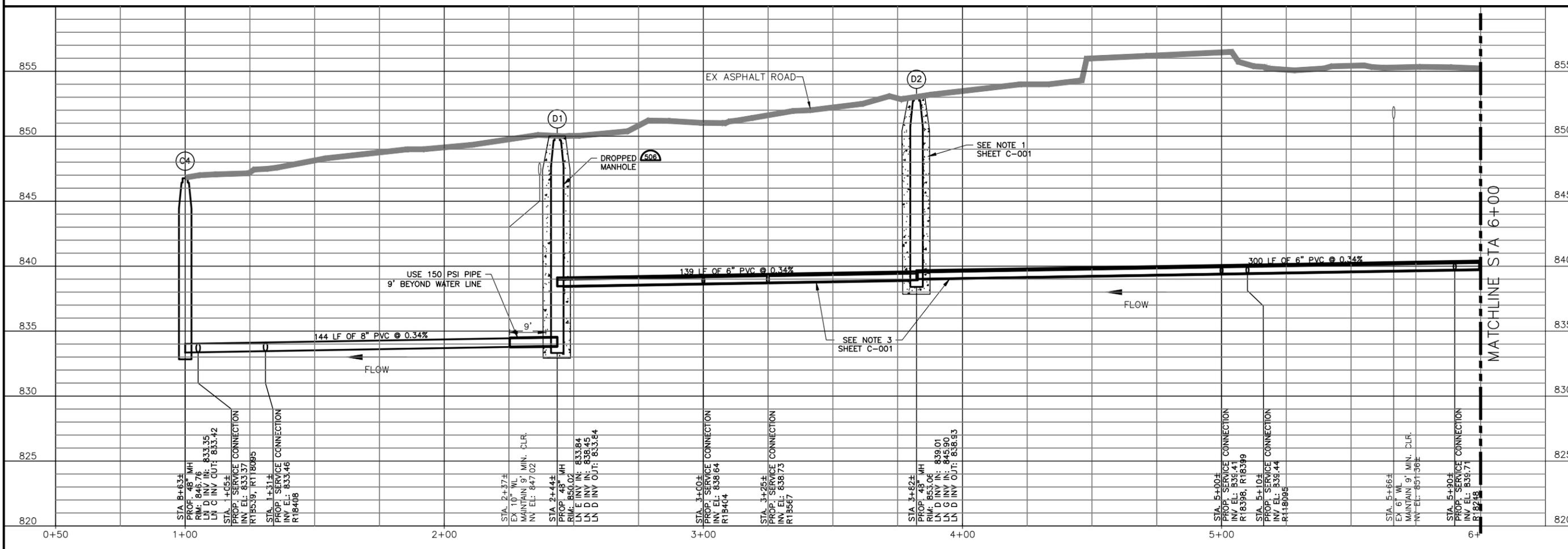
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NOTES:
 1. REFER TO DRAWING C-001 FOR ADDITIONAL NOTES.

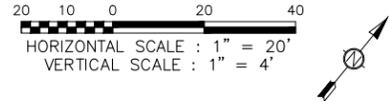
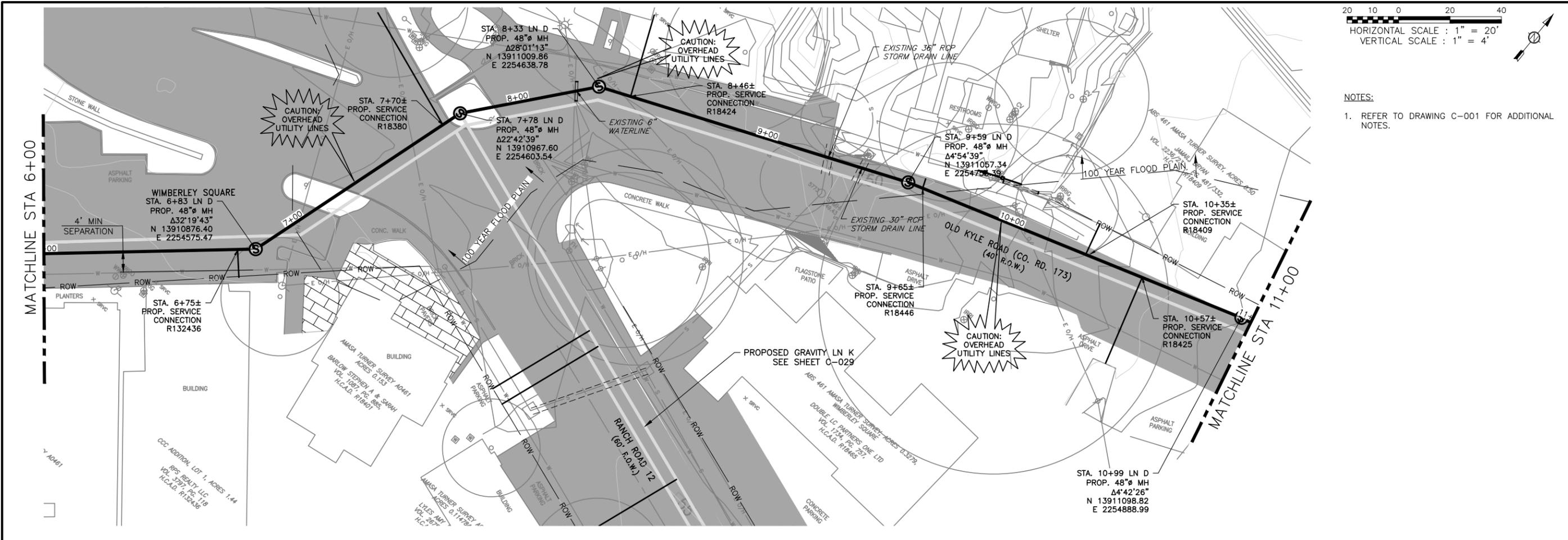


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 65001 A. CALMA DRIVE, SUITE 400
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NO.	DATE	REVISION	BY

CITY OF WIMBERLEY
 WASTEWATER TREATMENT PLANT AND COLLECTION SYSTEM PROJECT
 GRAVITY LN D STA 1+00 TO STA 6+00
 CITY OF WIMBERLEY
 221 Stillwater
 Wimberley, TX 78676

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 ONE INCH
 DESIGNED C. SYWARTH
 DRAWN B. BAUMAN
 CHECKED D. FRANKI
 REVIEWED S. COONAN
 Seq. of
C-013
 1732-002-01

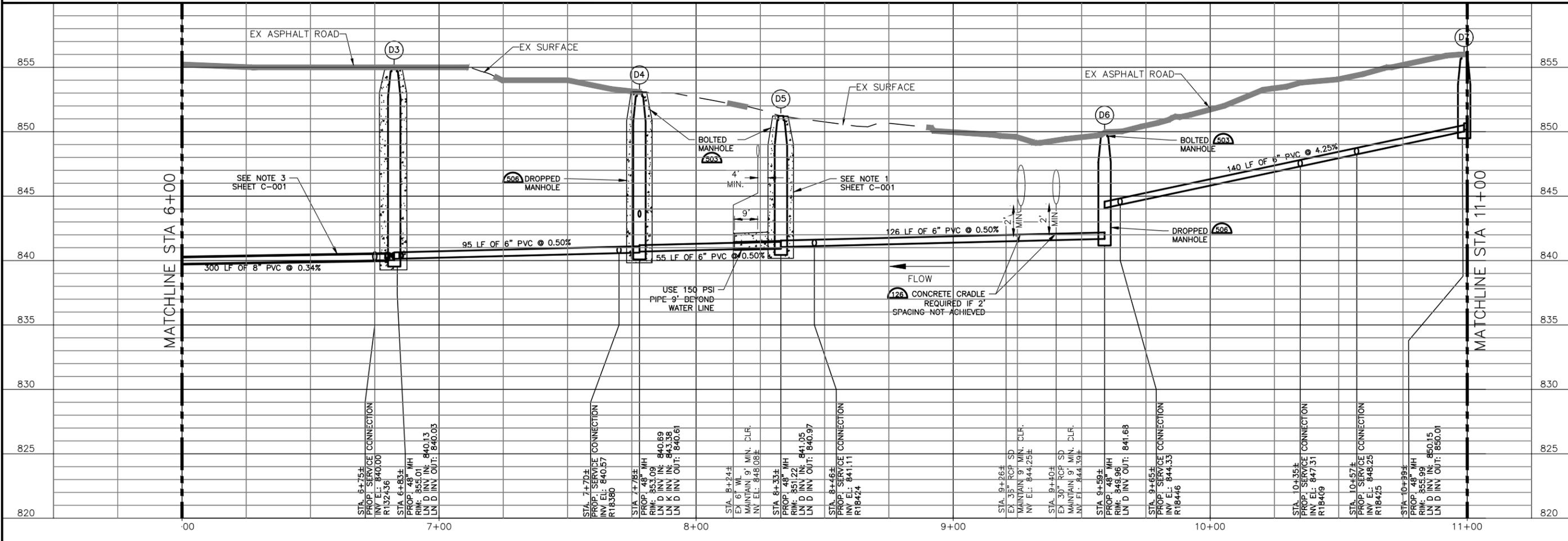


NOTES:
1. REFER TO DRAWING C-001 FOR ADDITIONAL NOTES.

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ENVIRONMENTAL ENGINEERS AND SCIENTISTS
6500 L. CALMA DRIVE, SUITE 400
AUSTIN, TEXAS 78752-3843
PHONE: 512-452-5905 FAX: 512-452-2325
TEXAS REGISTERED ENGINEERING FIRM F-13

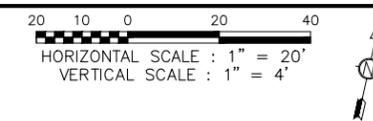
NO.	DATE	REVISION	BY

CITY OF WIMBERLEY
WASTEWATER TREATMENT PLANT AND COLLECTION SYSTEM PROJECT
GRAVITY LINE PLAN AND PROFILE
GRAVITY LN D STA 6+00 TO STA 11+00
Wimberley, TX 78676

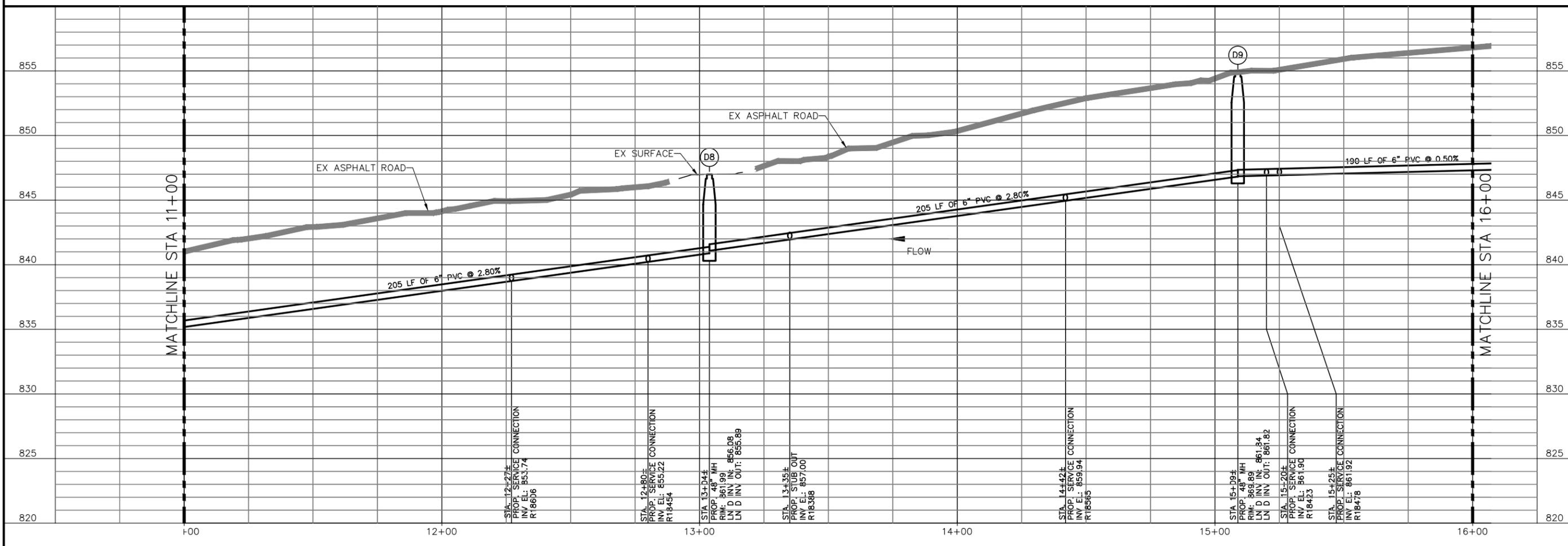
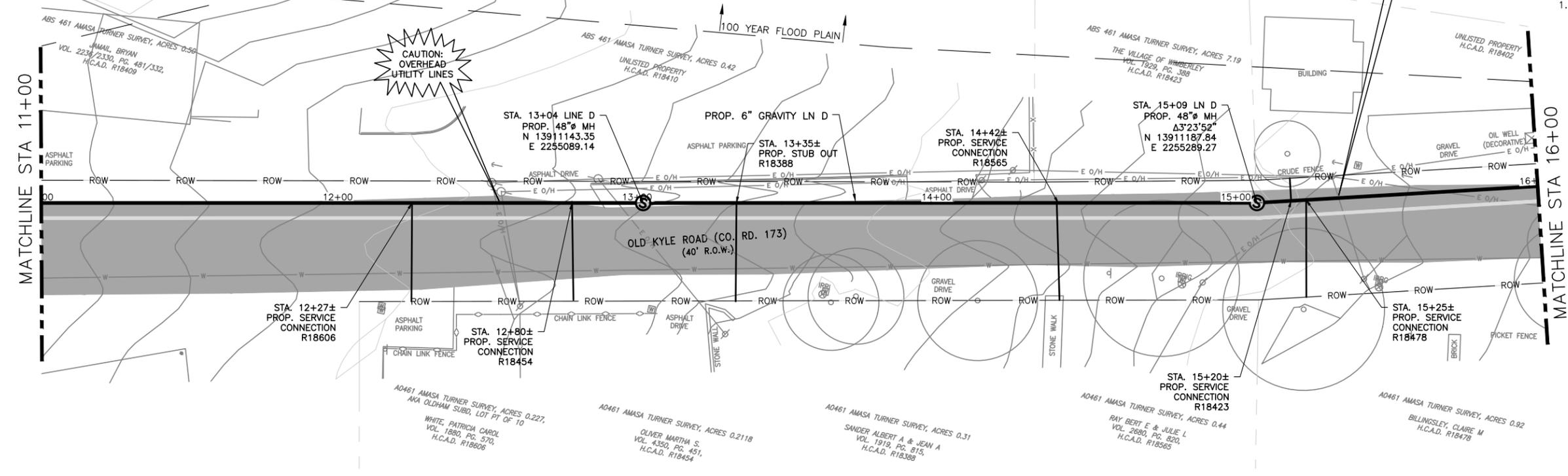


STEPHEN J. COONAN
65516
LICENSED PROFESSIONAL ENGINEER
12/15/16

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Dwg. No. **C-014**
1732-002-01



NOTES:
1. REFER TO DRAWING C-001 FOR ADDITIONAL NOTES.



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TEXAS REGISTERED ENGINEERING FIRM F-13

NO.	DATE	REVISION	BY

CITY OF WIMBERLEY
221 Stillwater
Wimberley, TX 78676

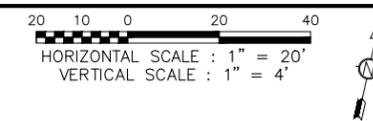
CITY OF WIMBERLEY
WASTEWATER TREATMENT PLANT AND COLLECTION SYSTEM PROJECT
GRAVITY LINE PLAN AND PROFILE
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GRAVITY LINE PLAN AND PROFILE
GRAVITY LN D STA 11+00 TO STA 16+00

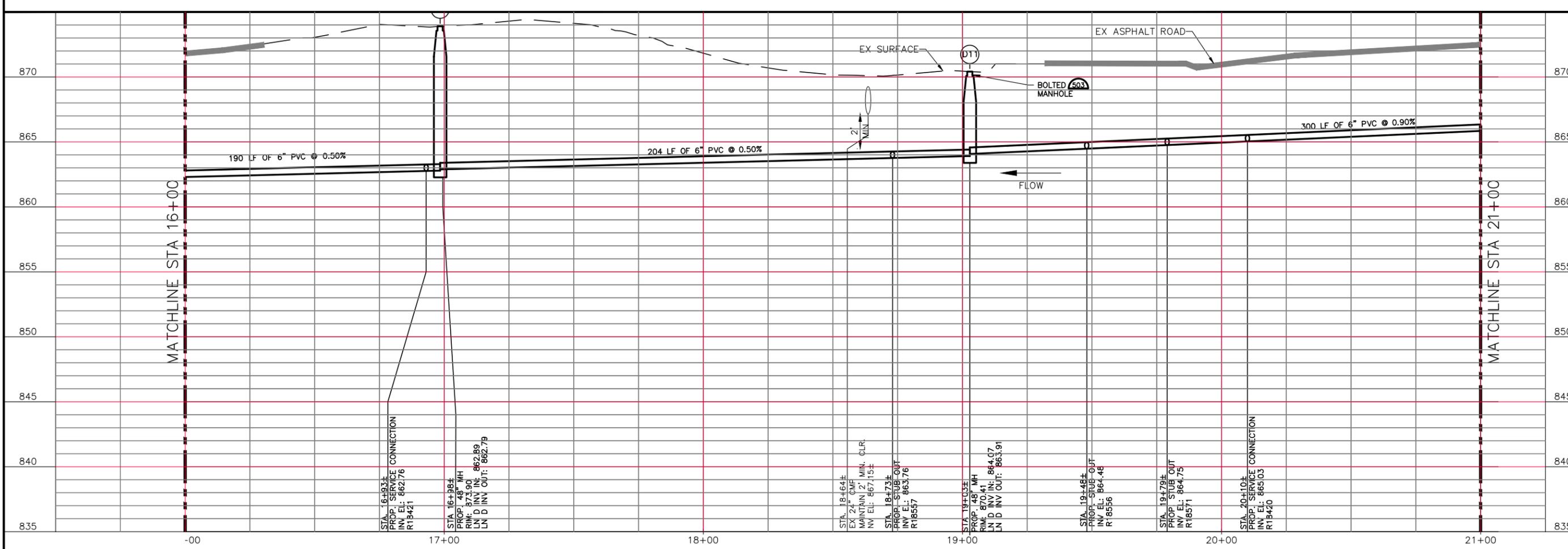
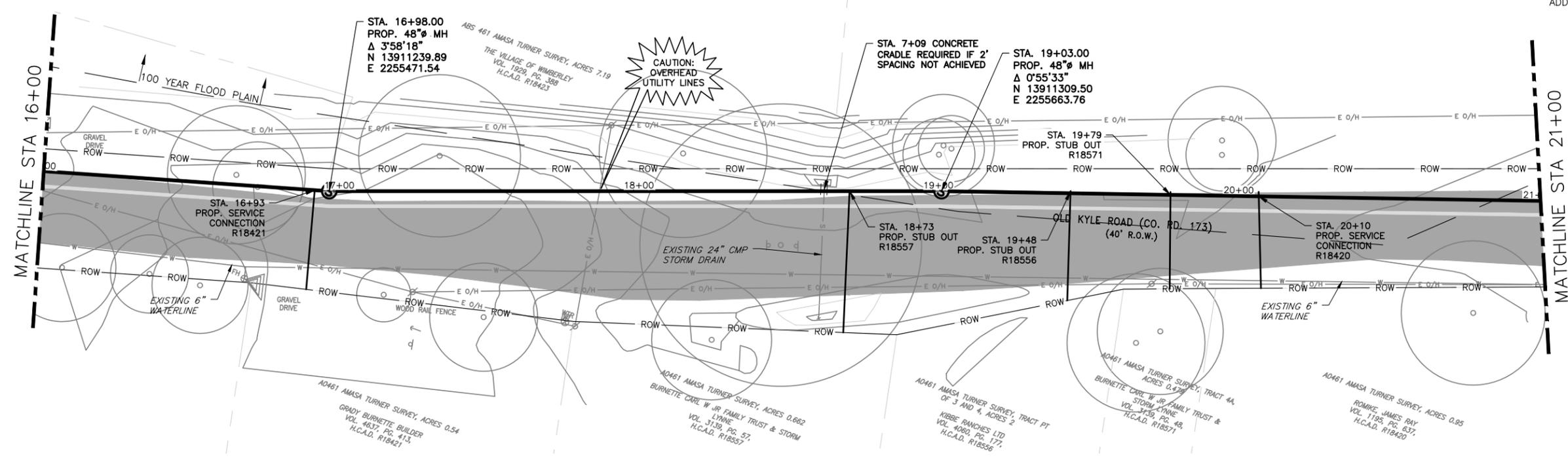
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DRAWN B. BAUMAN
CHECKED D. FRANKI
REVIEWED S. COONAN

Seq. of
Dwg. No. **C-015**
1732-002-01



NOTES:
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NO.	DATE	REVISION	BY

CITY OF WIMBERLEY
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 Wimberley, TX 78676

CITY OF WIMBERLEY
 WASTEWATER TREATMENT PLANT AND COLLECTION SYSTEM PROJECT
 GRAVITY LINE PLAN AND PROFILE
 GRAVITY LN D STA 16+00 TO STA 21+00

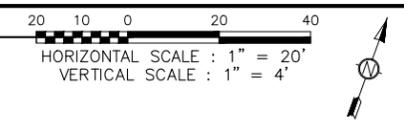
STEPHEN J. COONAN
 65516
 LICENSED PROFESSIONAL ENGINEER
 12/15/16

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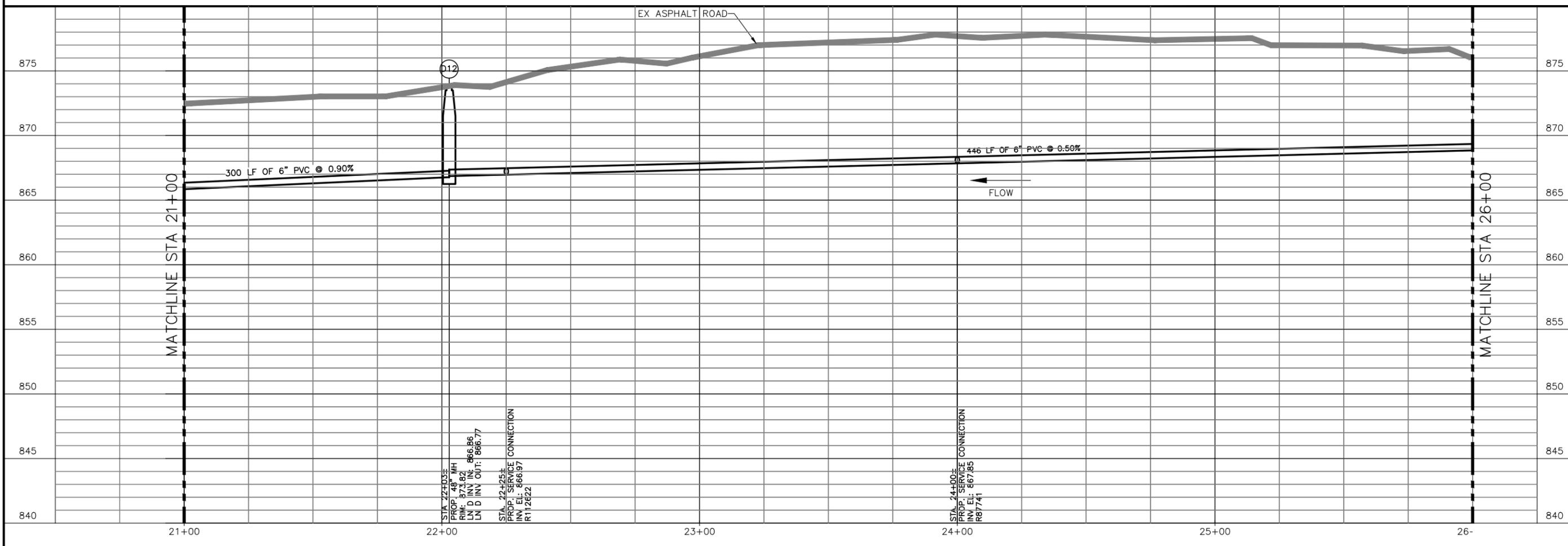
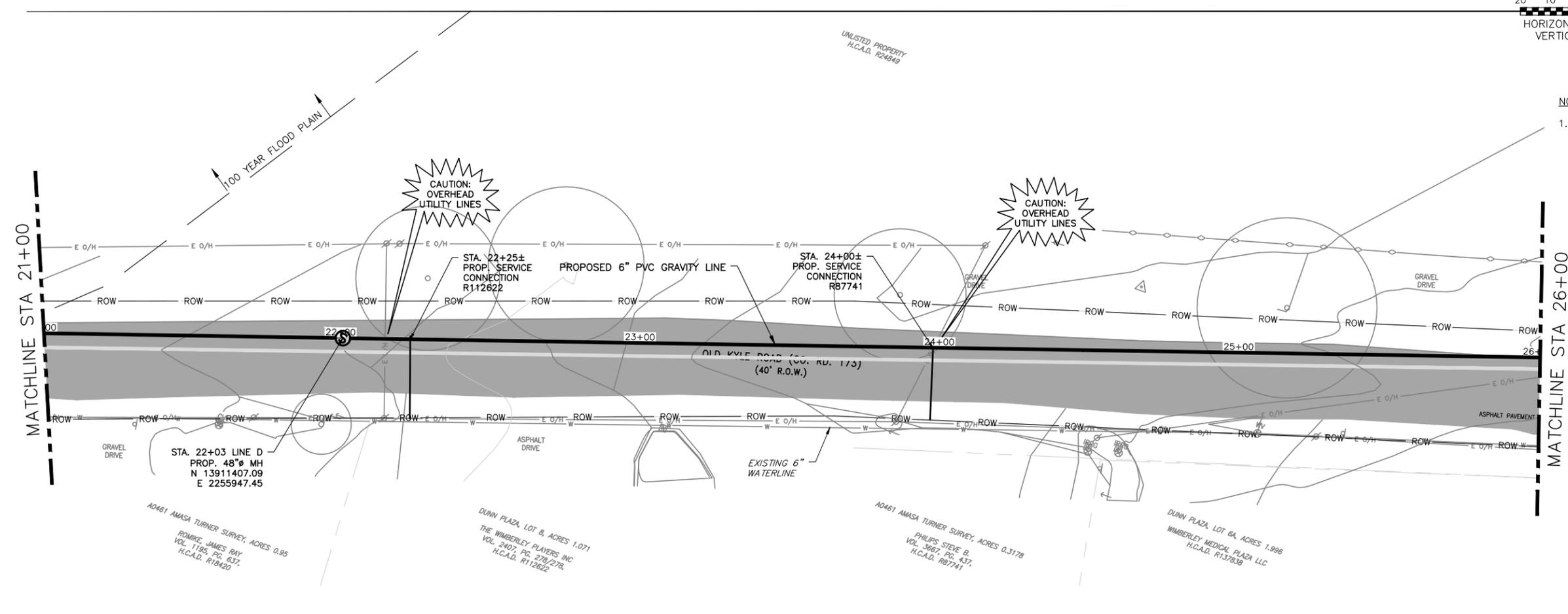
DESIGNED C. SYWARTH
 DRAWN B. BAUMAN
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 REVIEWED S. COONAN

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 Dwg. No. **C-016**
 1732-002-01

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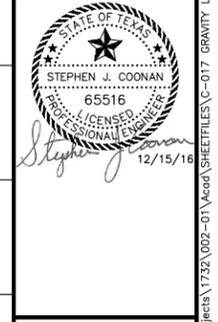
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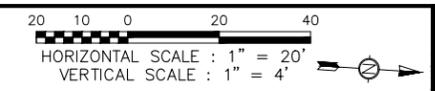
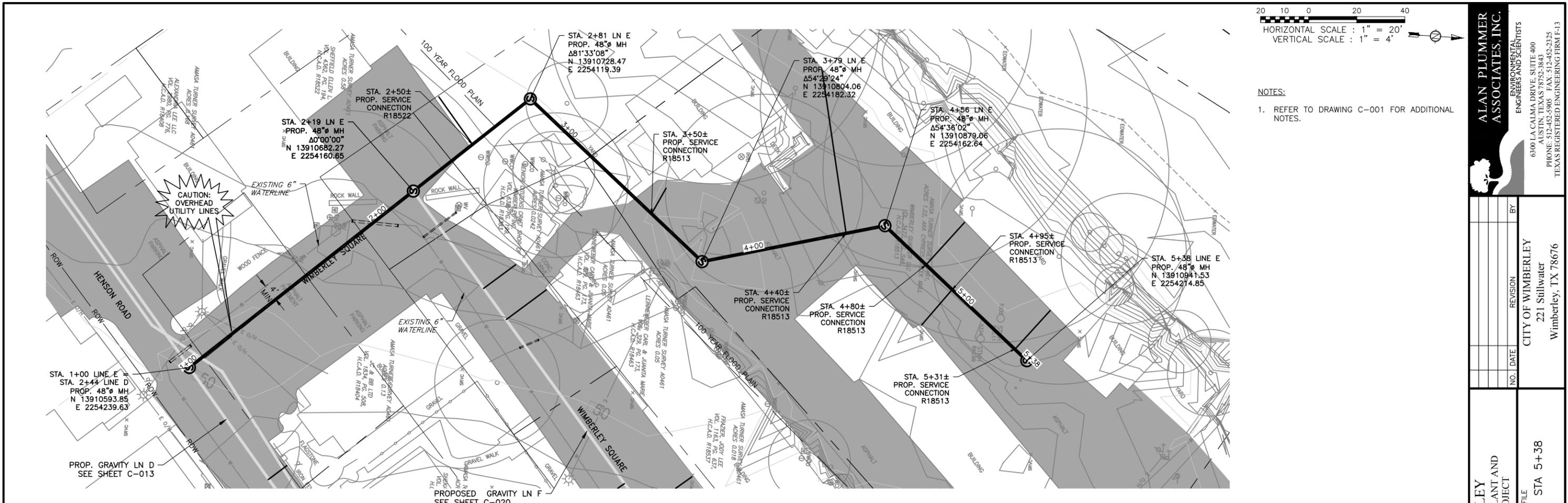
ALAN PLUMMER ASSOCIATES, INC.
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6300 L.A. CALMA DRIVE, SUITE 400
AUSTIN, TEXAS 78752-3843
PHONE: 512-452-5905 - FAX: 512-452-2325
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CITY OF WIMBERLEY
WASTEWATER TREATMENT PLANT AND COLLECTION SYSTEM PROJECT
GRAVITY LN D STA 21+00 TO STA 26+00



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ONE INCH
DESIGNED C. SYWARTH
DRAWN B. BAUMAN
CHECKED D. FRANKI
REVIEWED S. COONAN
Seq. of
Dwg. No. **C-017**
1732-002-01



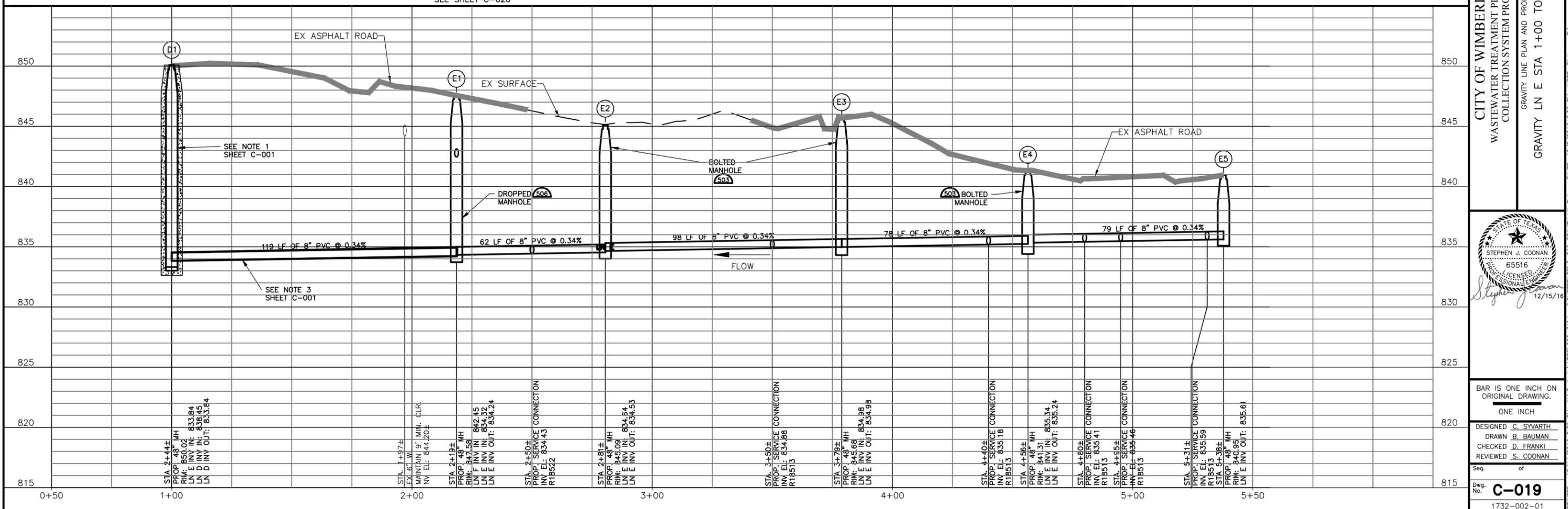
NOTES:
 1. REFER TO DRAWING C-001 FOR ADDITIONAL NOTES.

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 65001 CALIMA DRIVE, SUITE 400
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 PHONE: 512-452-5905 FAX: 512-452-2325
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NO.	DATE	REVISION	BY

CITY OF WIMBERLEY
 221 Stillwater
 Wimberley, TX 78676

CITY OF WIMBERLEY
 WASTEWATER TREATMENT PLANT AND COLLECTION SYSTEM PROJECT
 GRAVITY LINE PLAN AND PROFILE
 GRAVITY LN E STA 1+00 TO STA 5+38



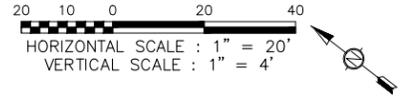
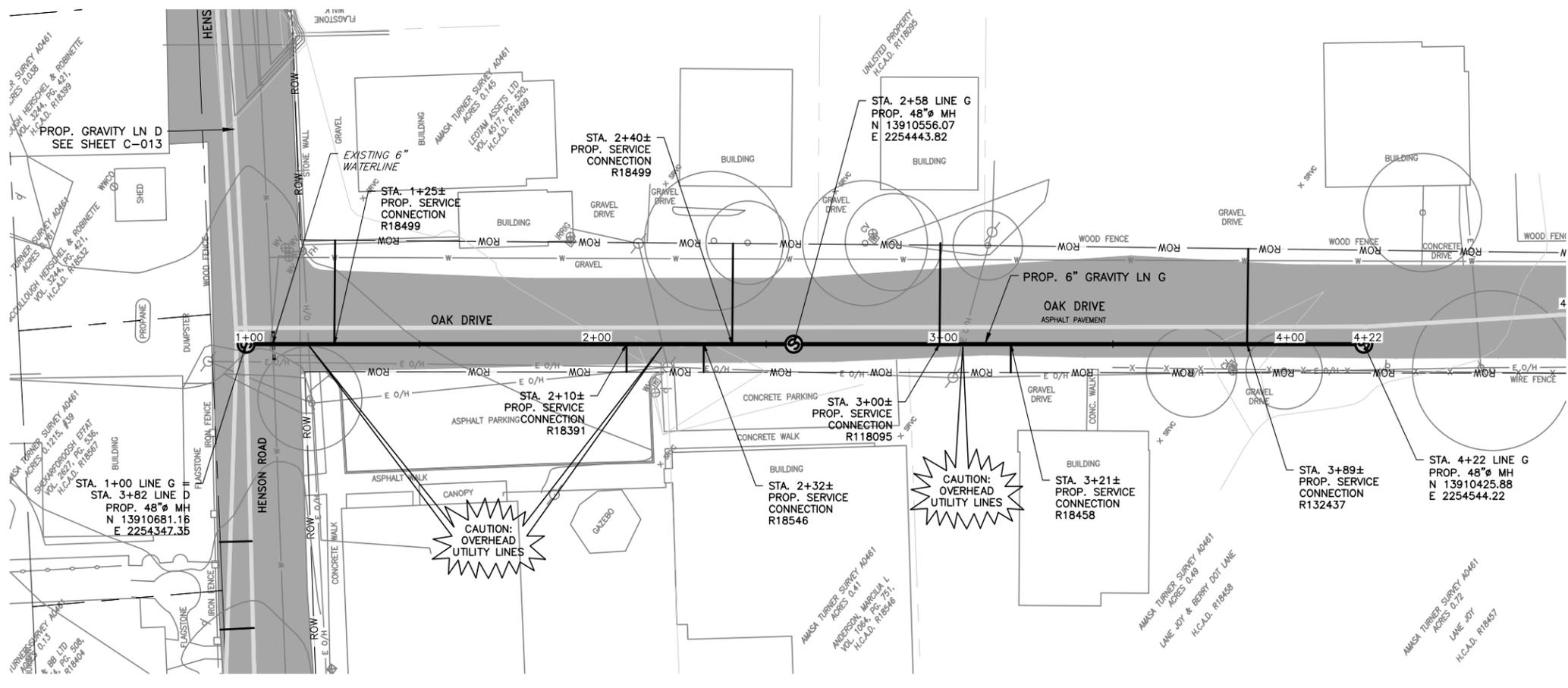
STATE OF TEXAS
 LICENSED PROFESSIONAL ENGINEER
 65516
 12/15/16

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 REVIEWED S. COONAN

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C-019

1732-002-01



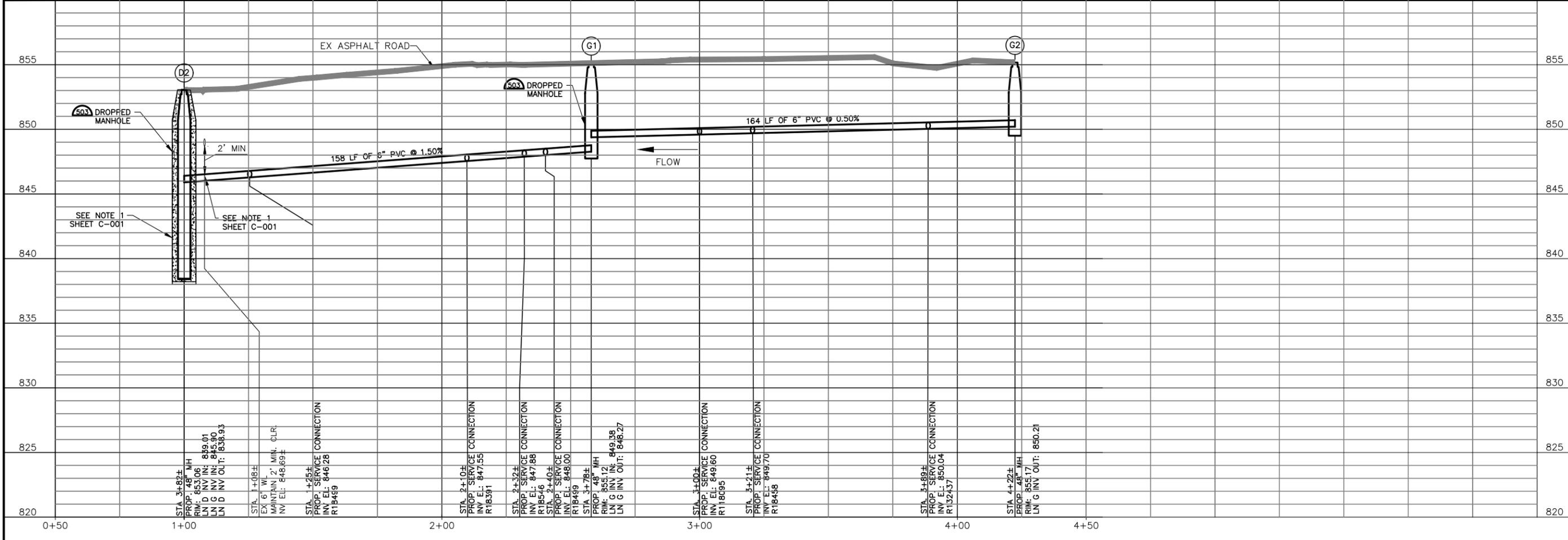
NOTES:
 1. REFER TO DRAWING C-001 FOR ADDITIONAL NOTES.

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 ENVIRONMENTAL ENGINEERS AND SCIENTISTS
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 AUSTIN, TEXAS 78752-3843
 PHONE: 512-452-5905 FAX: 512-452-2325
 TEXAS REGISTERED ENGINEERING FIRM F-13

NO.	DATE	REVISION	BY

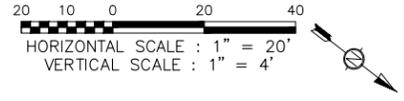
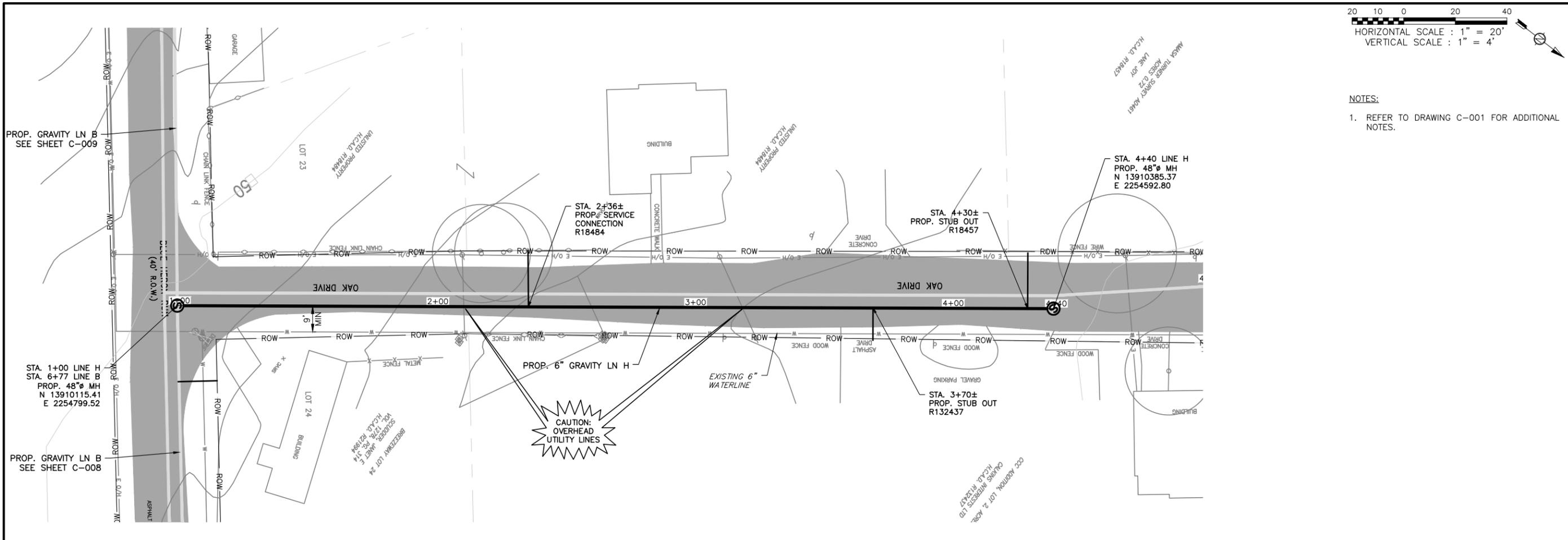
CITY OF WIMBERLEY
 221 Stillwater
 Wimberley, TX 78676

CITY OF WIMBERLEY
 WASTEWATER TREATMENT PLANT AND COLLECTION SYSTEM PROJECT
 GRAVITY LINE PLAN AND PROFILE
 GRAVITY LN G STA 1+00 TO STA 4+22



STATE OF TEXAS
 LICENSED PROFESSIONAL ENGINEER
 65516
 12/15/16
 Stephen J. Coonan

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 CHECKED D. FRANKI
 REVIEWED S. COONAN
 Seq. of
 Dwg. No. **C-021**
 1732-002-01



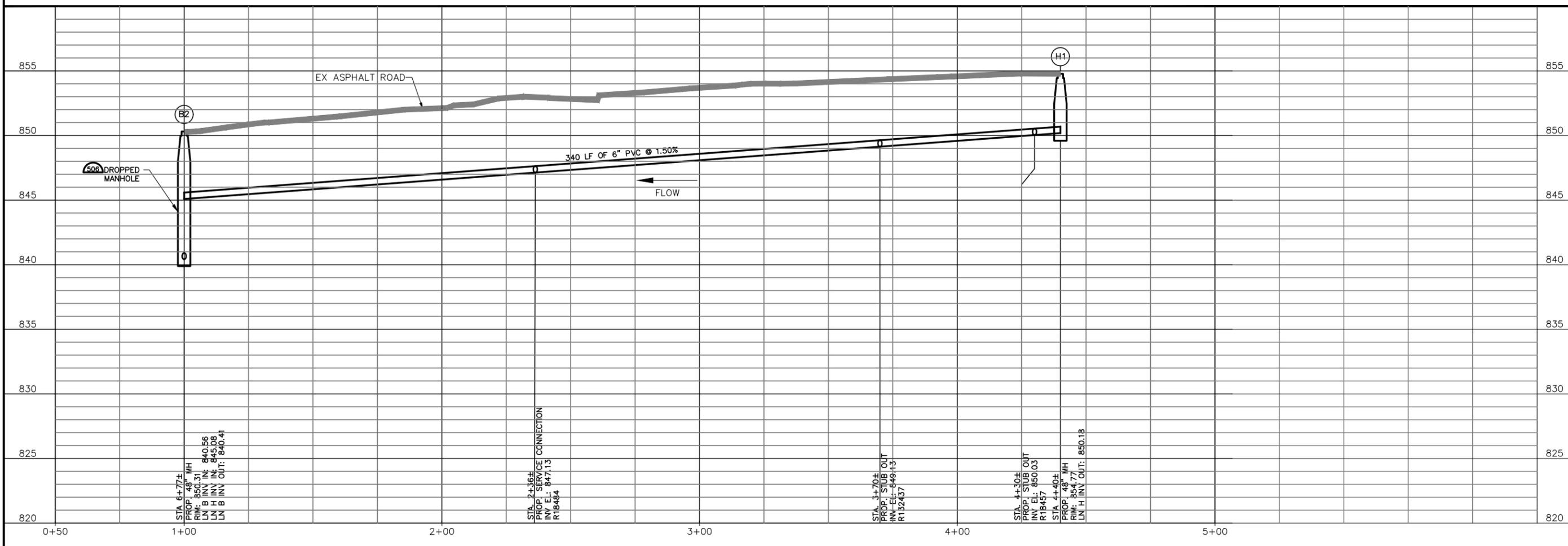
NOTES:
 1. REFER TO DRAWING C-001 FOR ADDITIONAL NOTES.

ALAN PLUMMER ASSOCIATES, INC.
 ENVIRONMENTAL ENGINEERS AND SCIENTISTS
 6500 L. CALMA DRIVE, SUITE 400
 AUSTIN, TEXAS 78752-3843
 PHONE: 512-452-5905 FAX: 512-452-2325
 TEXAS REGISTERED ENGINEERING FIRM F-13

NO.	DATE	REVISION	BY

CITY OF WIMBERLEY
 221 Stillwater
 Wimberley, TX 78676

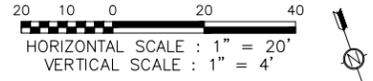
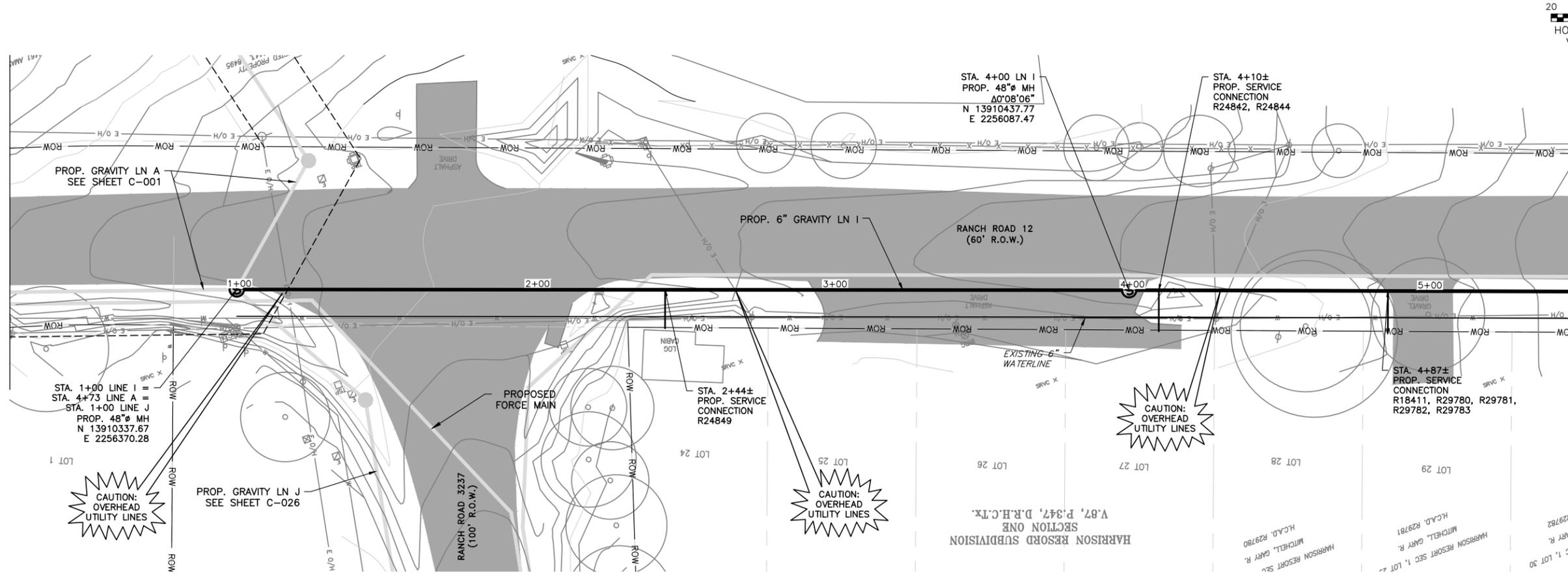
CITY OF WIMBERLEY
 WASTEWATER TREATMENT PLANT AND COLLECTION SYSTEM PROJECT
 GRAVITY LINE PLAN AND PROFILE
 GRAVITY LN H STA 1+00 TO STA 4+40



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 65516
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 ONE INCH
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 REVIEWED S. COONAN
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 Dwg. No. **C-022**
 1732-002-01

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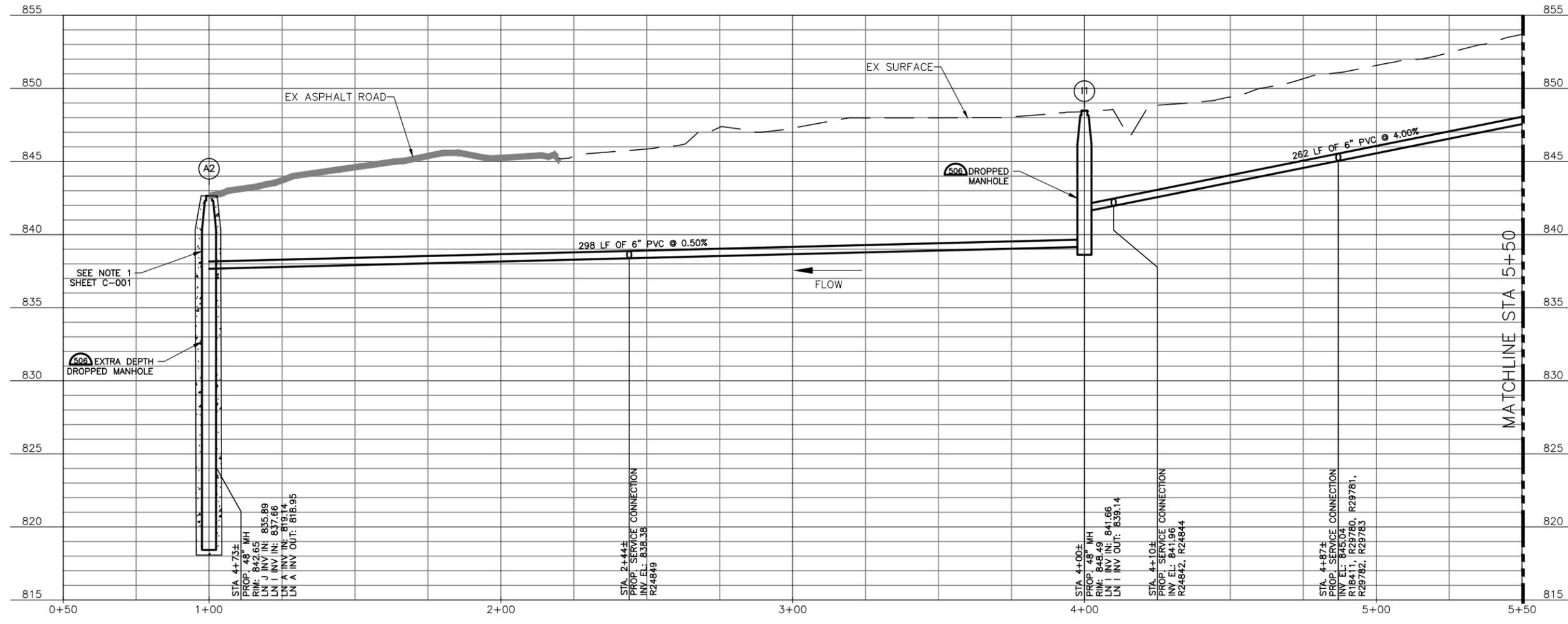
NOTES:
 1. REFER TO DRAWING C-001 FOR ADDITIONAL NOTES.

ALAN PLUMMER ASSOCIATES, INC.
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CITY OF WIMBERLEY
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CITY OF WIMBERLEY
 WASTEWATER TREATMENT PLANT AND COLLECTION SYSTEM PROJECT
 GRAVITY LINE PLAN AND PROFILE
 GRAVITY LN I STA 1+00 TO STA 5+50

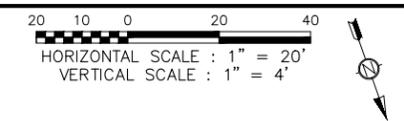


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 STEPHEN J. COONAN
 65516
 12/15/16

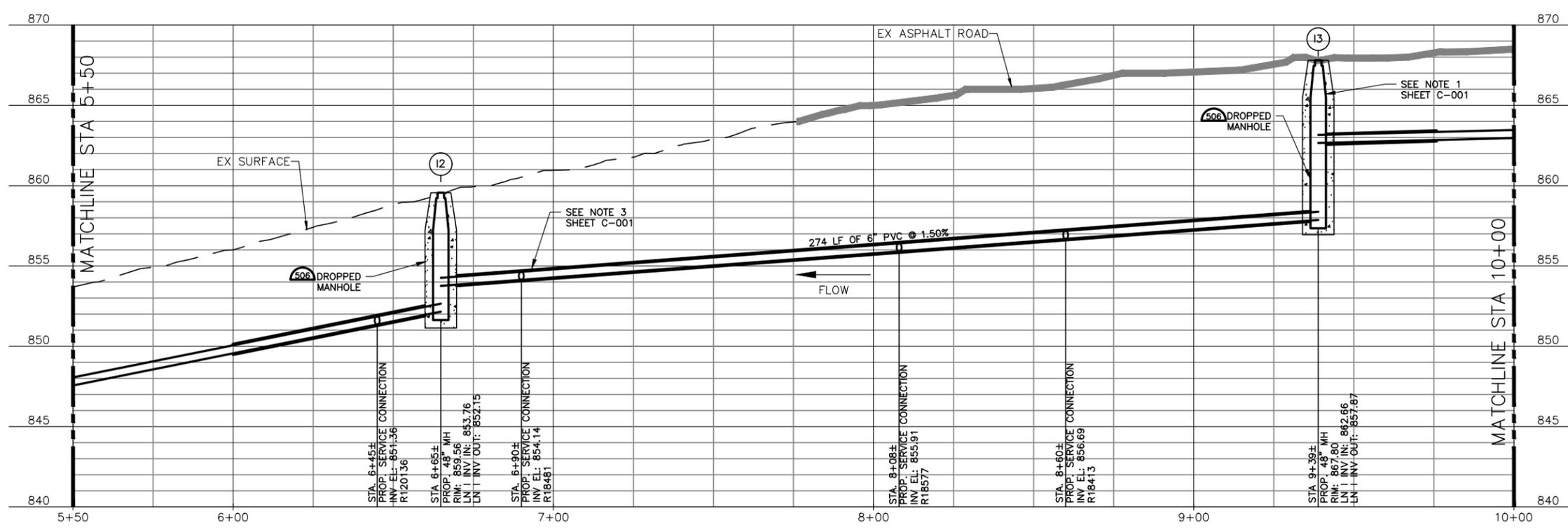
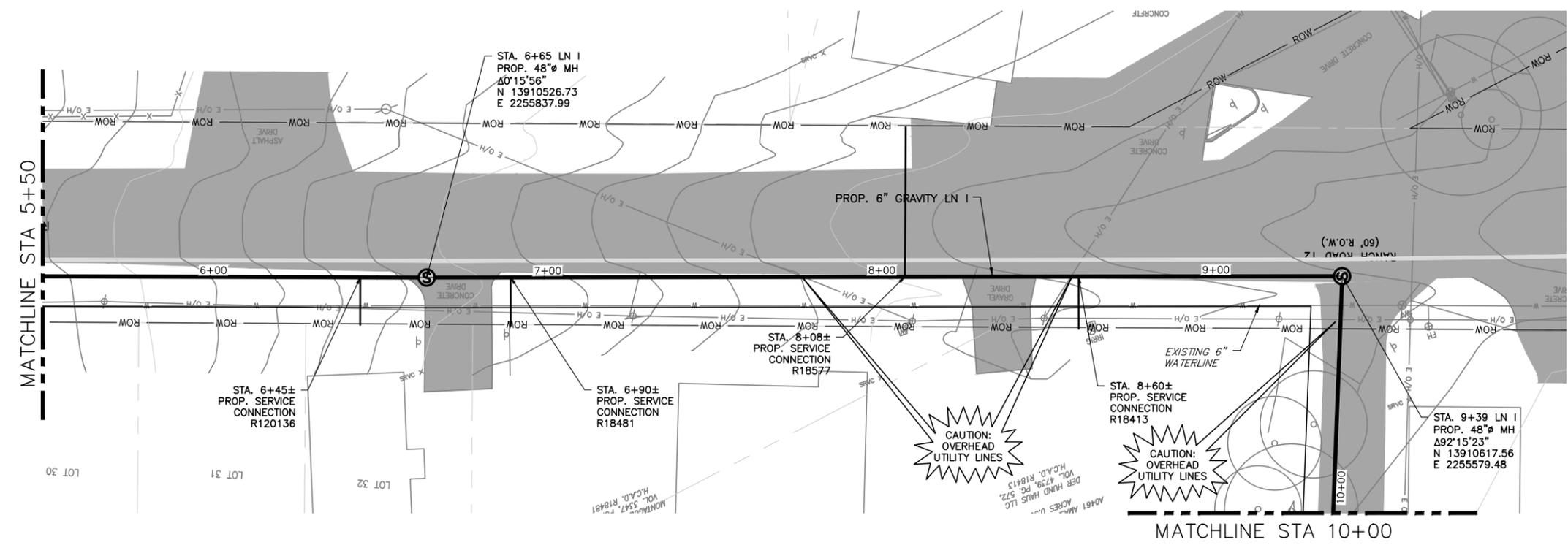
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 DRAWN B. BAUMAN
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 1732-002-01



NOTES:
 1. REFER TO DRAWING C-001 FOR ADDITIONAL NOTES.



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NO.	DATE	REVISION	BY

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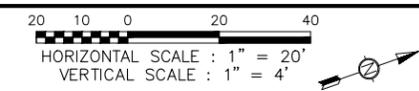
CITY OF WIMBERLEY
 WASTEWATER TREATMENT PLANT AND COLLECTION SYSTEM PROJECT
 GRAVITY LINE PLAN AND PROFILE
 GRAVITY LN 1 STA 5+50 TO STA 10+00

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 STEPHEN J. COONAN
 65516
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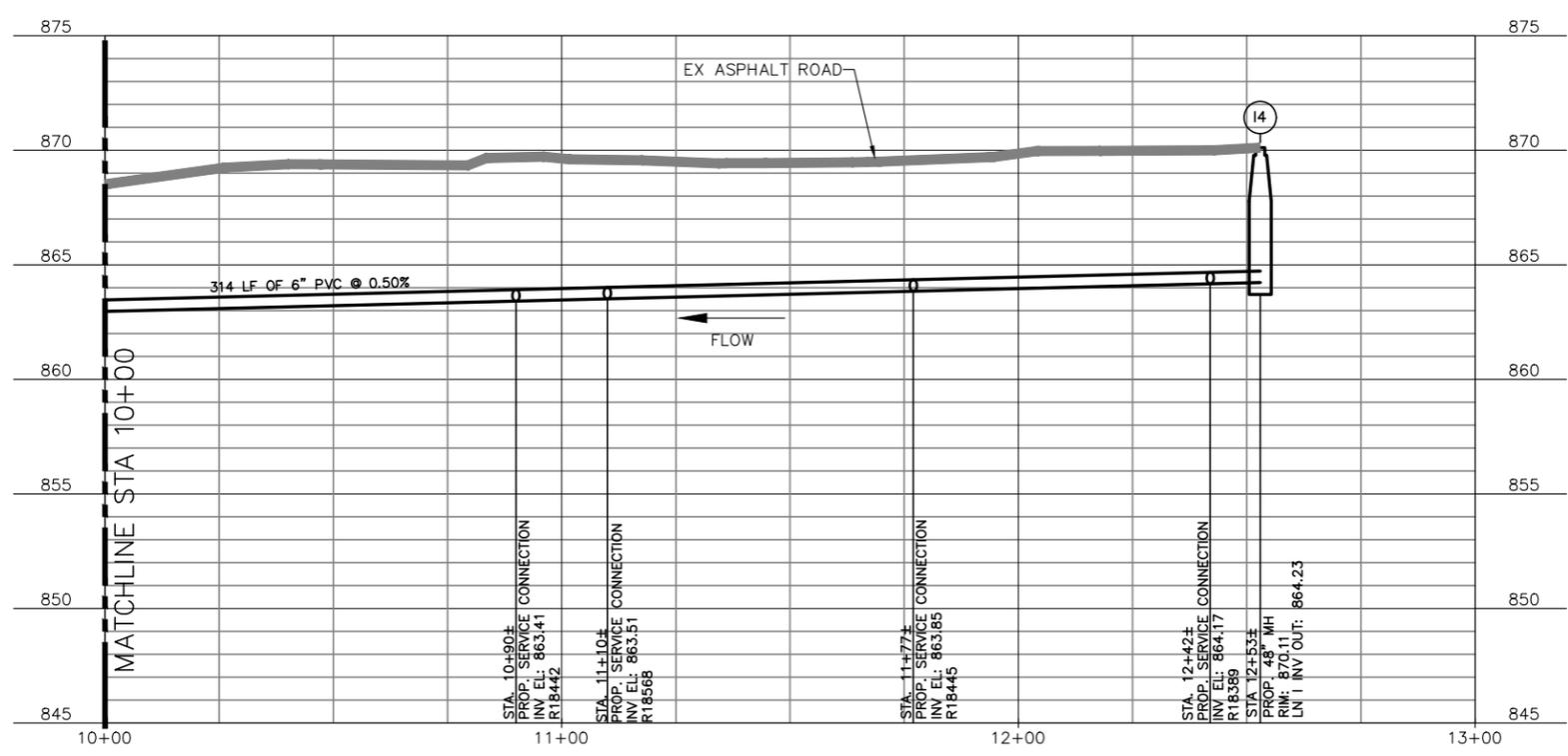
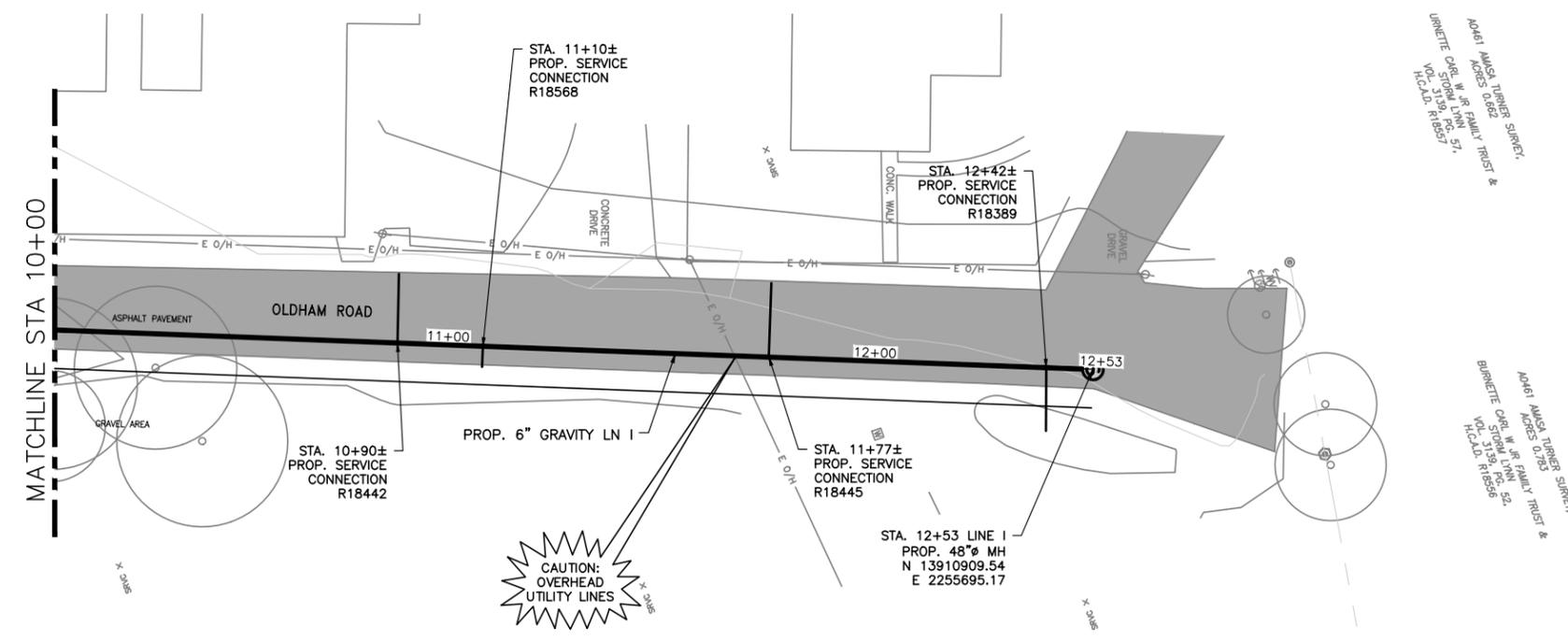
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 DRAWN B. BAUMAN
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 REVIEWED S. COONAN

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 Dwg. No. **C-024**
 1732-002-01



NOTES:
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NO.	DATE	REVISION	BY

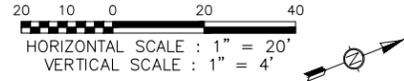
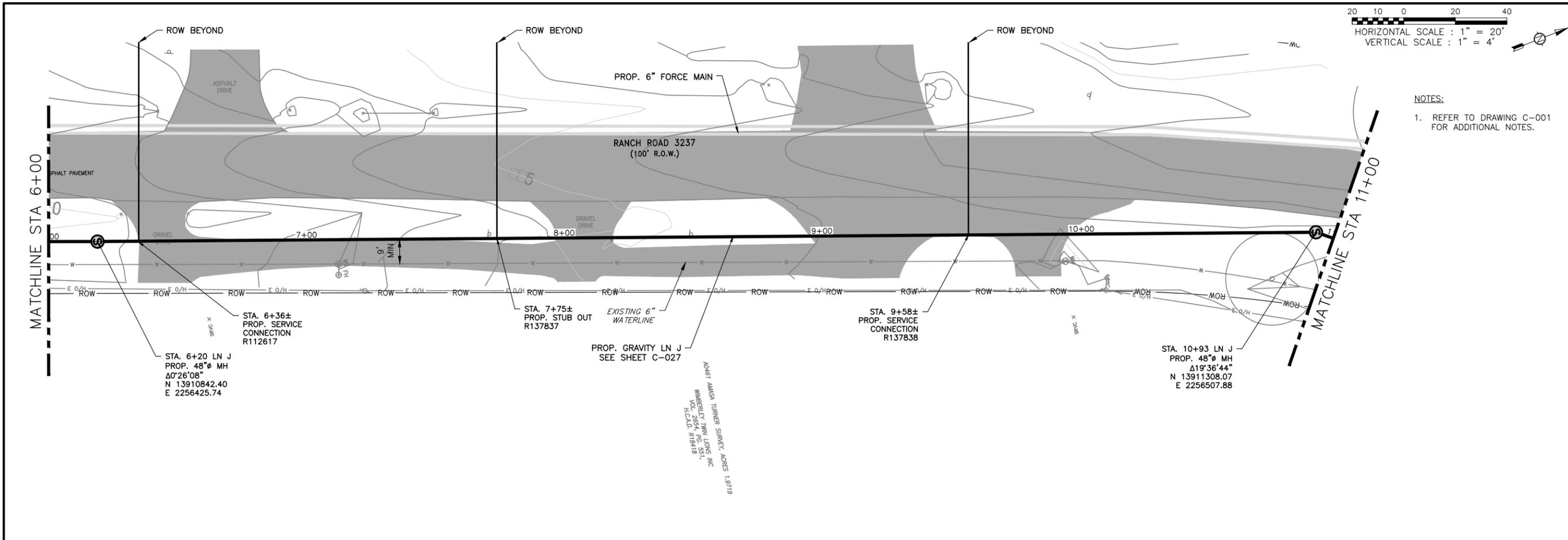
CITY OF WIMBERLEY
 221 Stillwater
 Wimberley, TX 78676

CITY OF WIMBERLEY
 WASTEWATER TREATMENT PLANT AND COLLECTION SYSTEM PROJECT
 GRAVITY LINE PLAN AND PROFILE
 GRAVITY LN I STA 10+00 TO STA 12+53

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 ONE INCH

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 DRAWN B. BAUMAN
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 REVIEWED S. COONAN

Seq. of
 Dwg. No. **C-025**
 1732-002-01



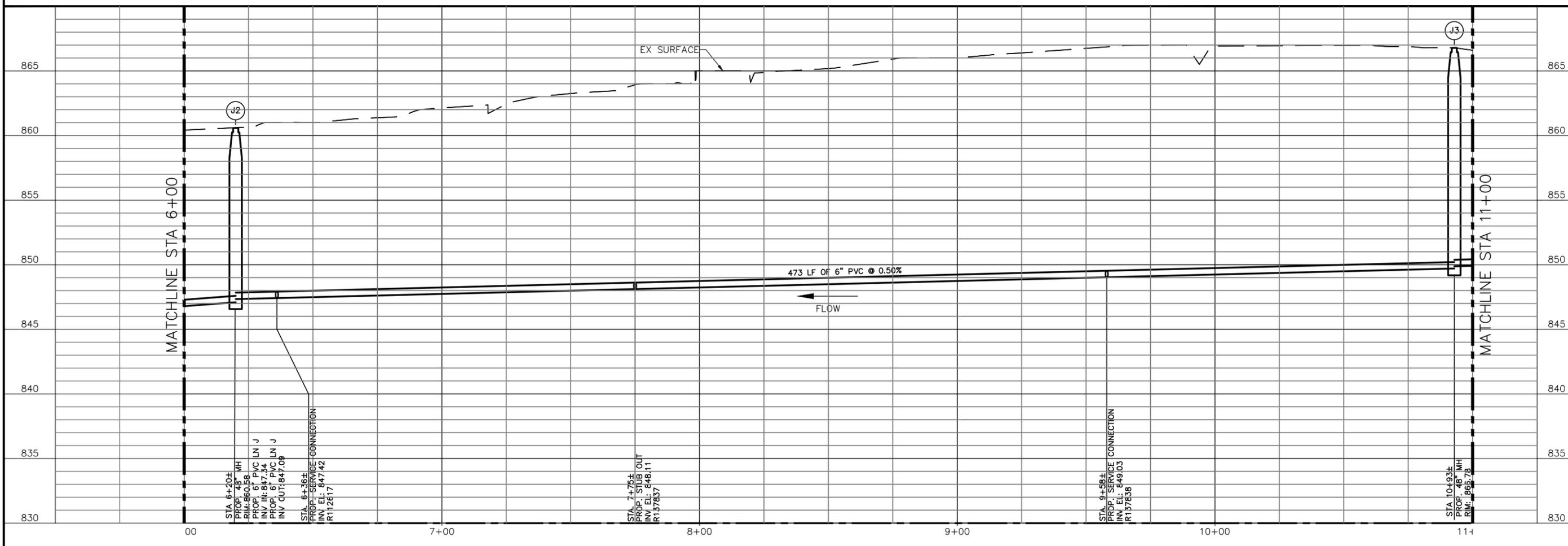
NOTES:
 1. REFER TO DRAWING C-001 FOR ADDITIONAL NOTES.

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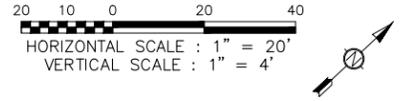
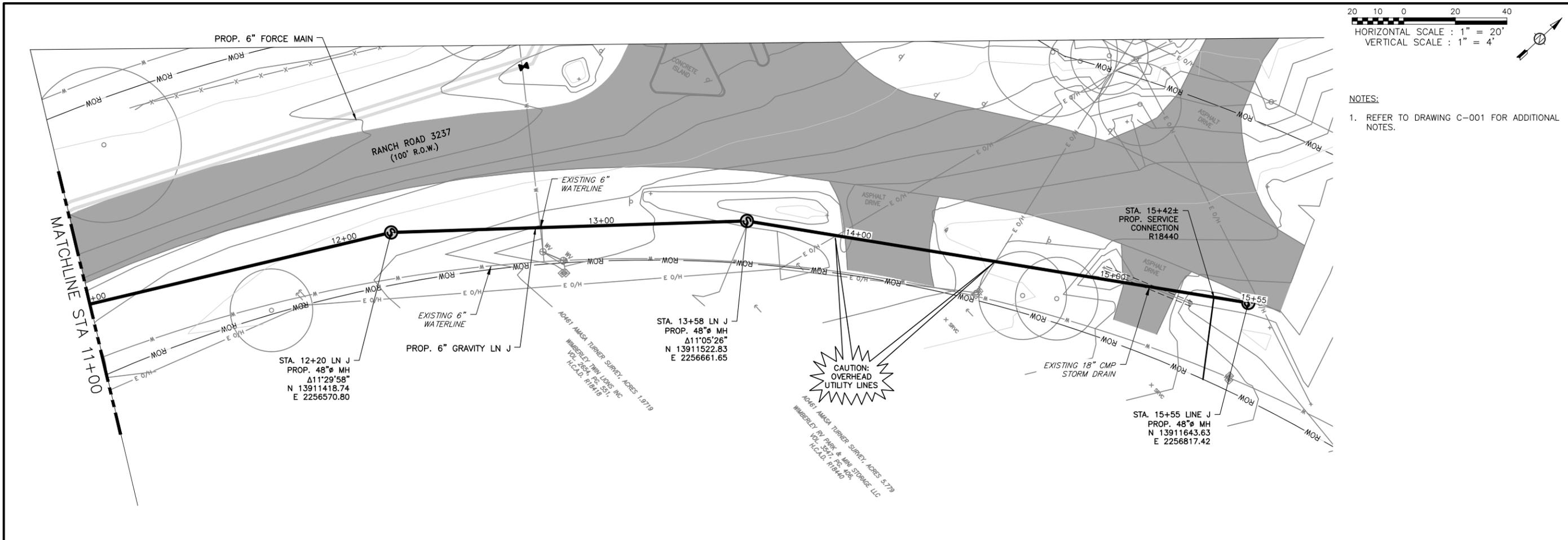
CITY OF WIMBERLEY
 WASTEWATER TREATMENT PLANT AND COLLECTION SYSTEM PROJECT
 GRAVITY LINE PLAN AND PROFILE
 GRAVITY LN J STA 6+00 TO STA 11+00



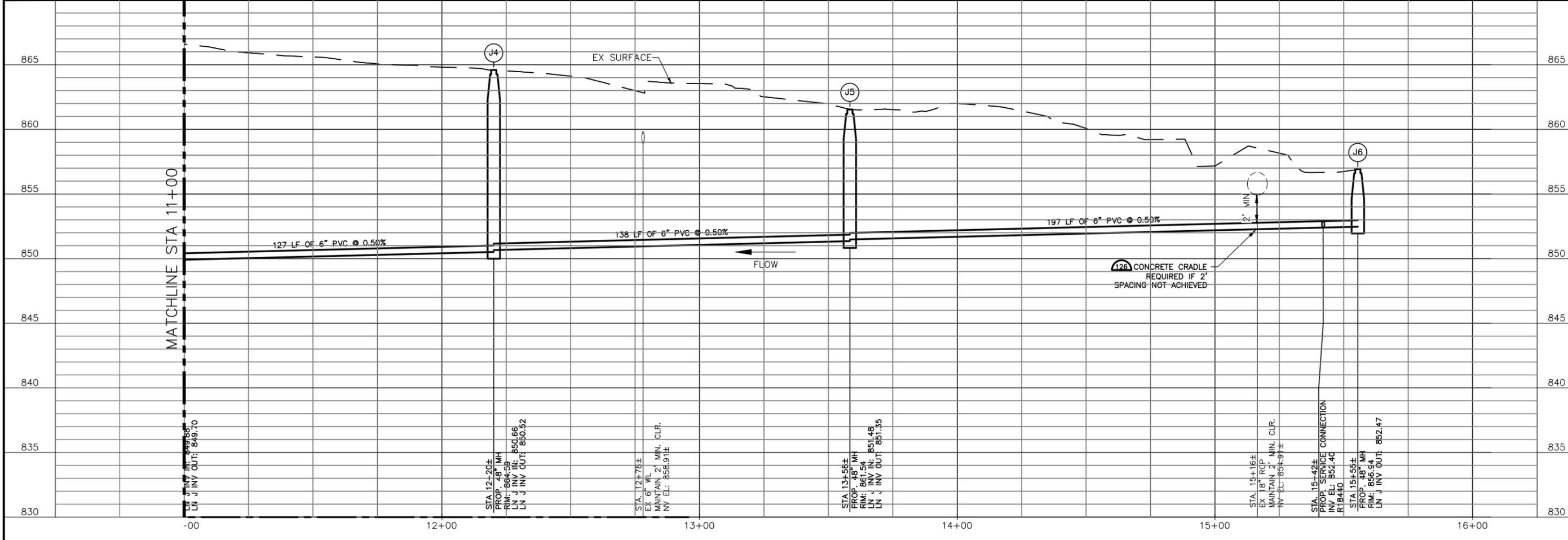
STATE OF TEXAS
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 Dwg. No. **C-027**
 1732-002-01

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NOTES:
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 WASTEWATER TREATMENT PLANT AND COLLECTION SYSTEM PROJECT
 GRAVITY LINE PLAN AND PROFILE
 GRAVITY LN J STA 11+00 TO STA 15+55

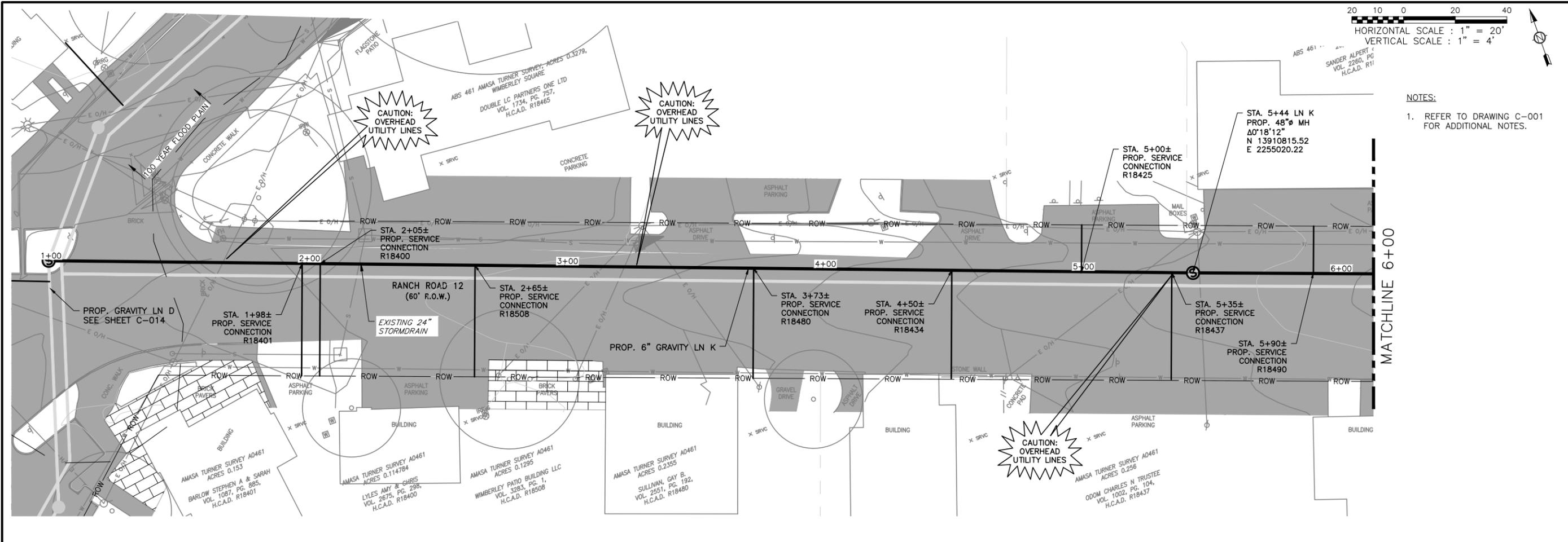
STEPHEN J. COONAN
 65516
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 ONE INCH

DESIGNED C. SYWARTH
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20 10 0 20 40
 HORIZONTAL SCALE : 1" = 20'
 VERTICAL SCALE : 1" = 4'

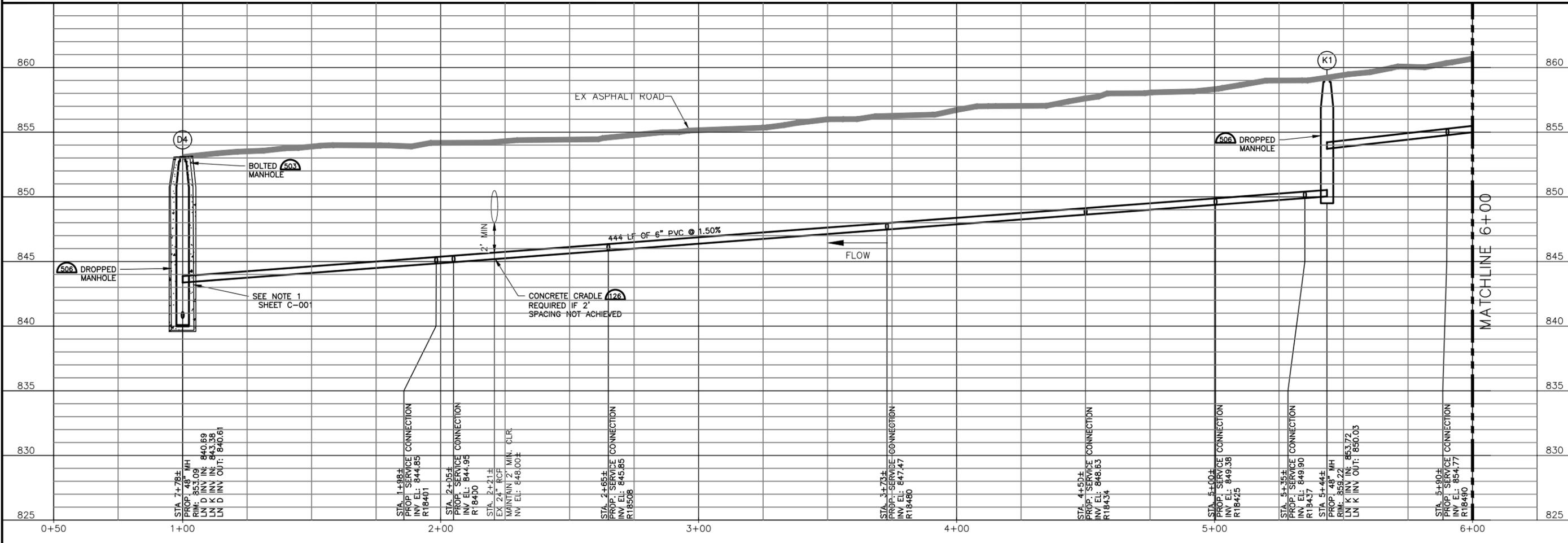
NOTES:
 1. REFER TO DRAWING C-001 FOR ADDITIONAL NOTES.

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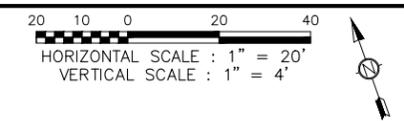
CITY OF WIMBERLEY
 WASTEWATER TREATMENT PLANT AND COLLECTION SYSTEM PROJECT
 GRAVITY LINE PLAN AND PROFILE
 GRAVITY LN K STA 1+00 TO STA 6+00



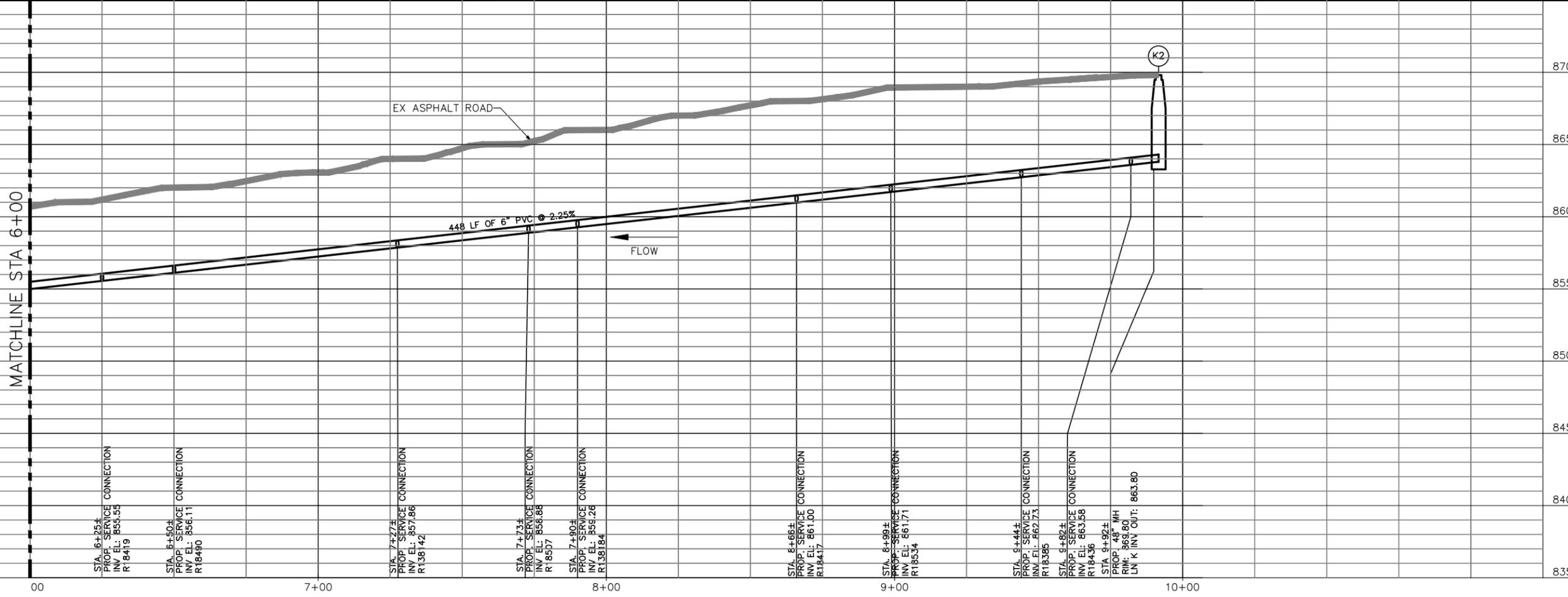
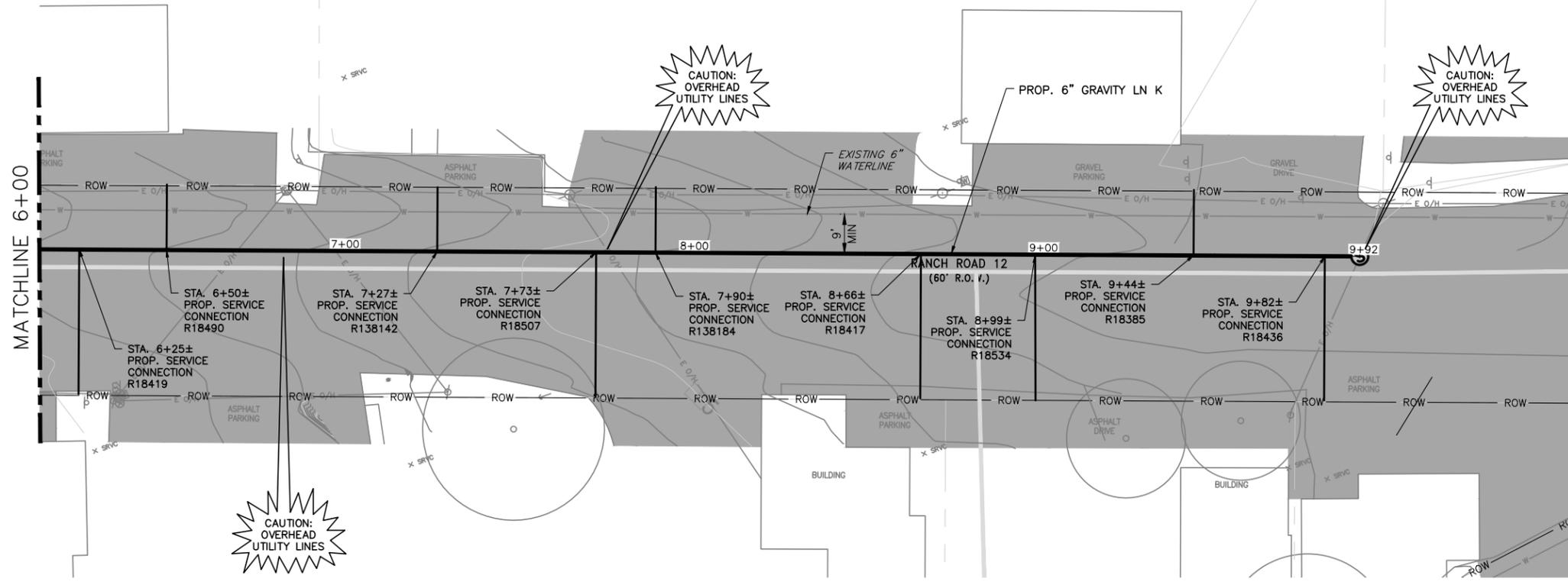
STATE OF TEXAS
 LICENSED PROFESSIONAL ENGINEER
 65516
 STEPHEN J. COONAN
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 DESIGNED C. SYWARTH
 DRAWN B. BAUMAN
 CHECKED D. FRANKI
 REVIEWED S. COONAN
 Seq. of
 Dwg. No. **C-029**
 1732-002-01

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NOTES:
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 TEXAS REGISTERED ENGINEERING FIRM F-13

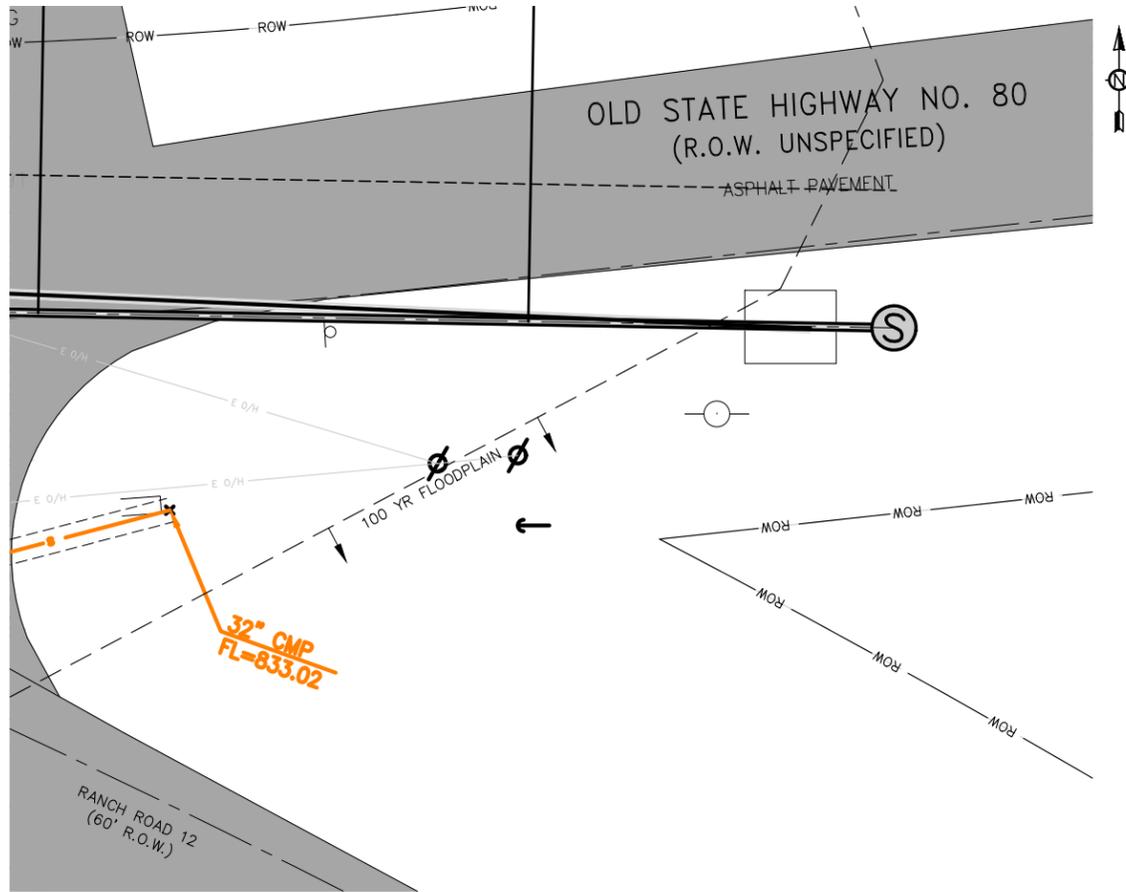
NO.	DATE	REVISION	BY

CITY OF WIMBERLEY
 221 Stillwater
 Wimberley, TX 78676

CITY OF WIMBERLEY
 WASTEWATER TREATMENT PLANT AND COLLECTION SYSTEM PROJECT
 GRAVITY LINE PLAN AND PROFILE
 GRAVITY LN K STA 6+00 TO STA 9+92

STATE OF TEXAS
 LICENSED PROFESSIONAL ENGINEER
 65516
 STEPHEN J. COONAN
 12/15/16

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 ONE INCH
 DESIGNED C. SYWARTH
 DRAWN B. BAUMAN
 CHECKED D. FRANKI
 REVIEWED S. COONAN
 Seq. of
 Dwg. No. **C-030**
 1732-002-01

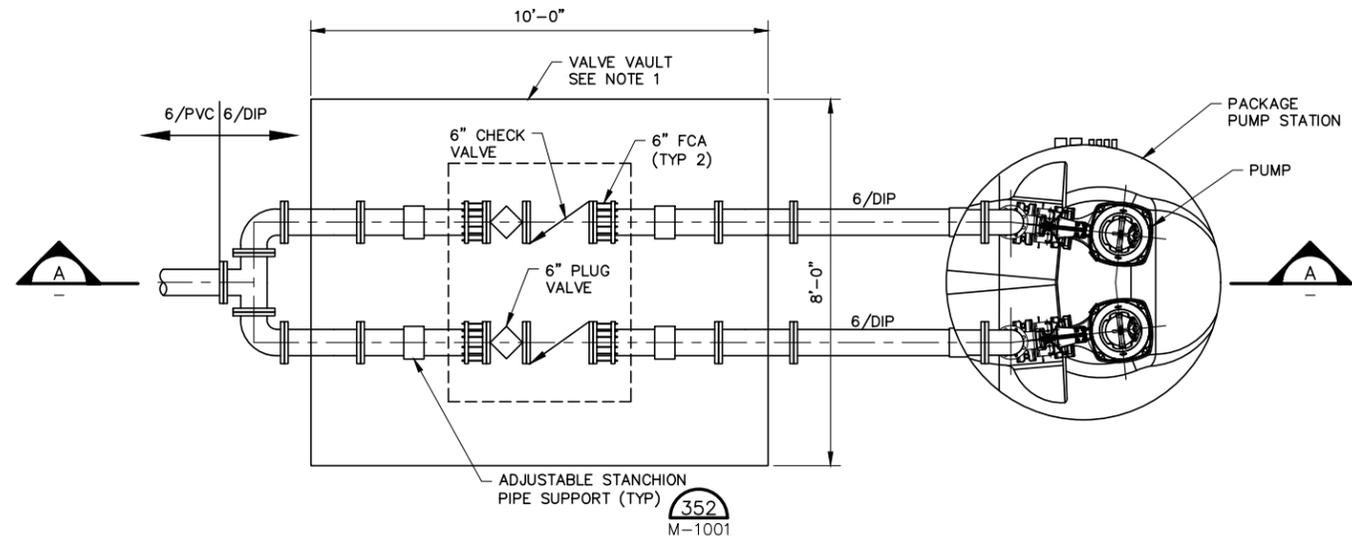


SITE PLAN
SCALE: 1"=10'

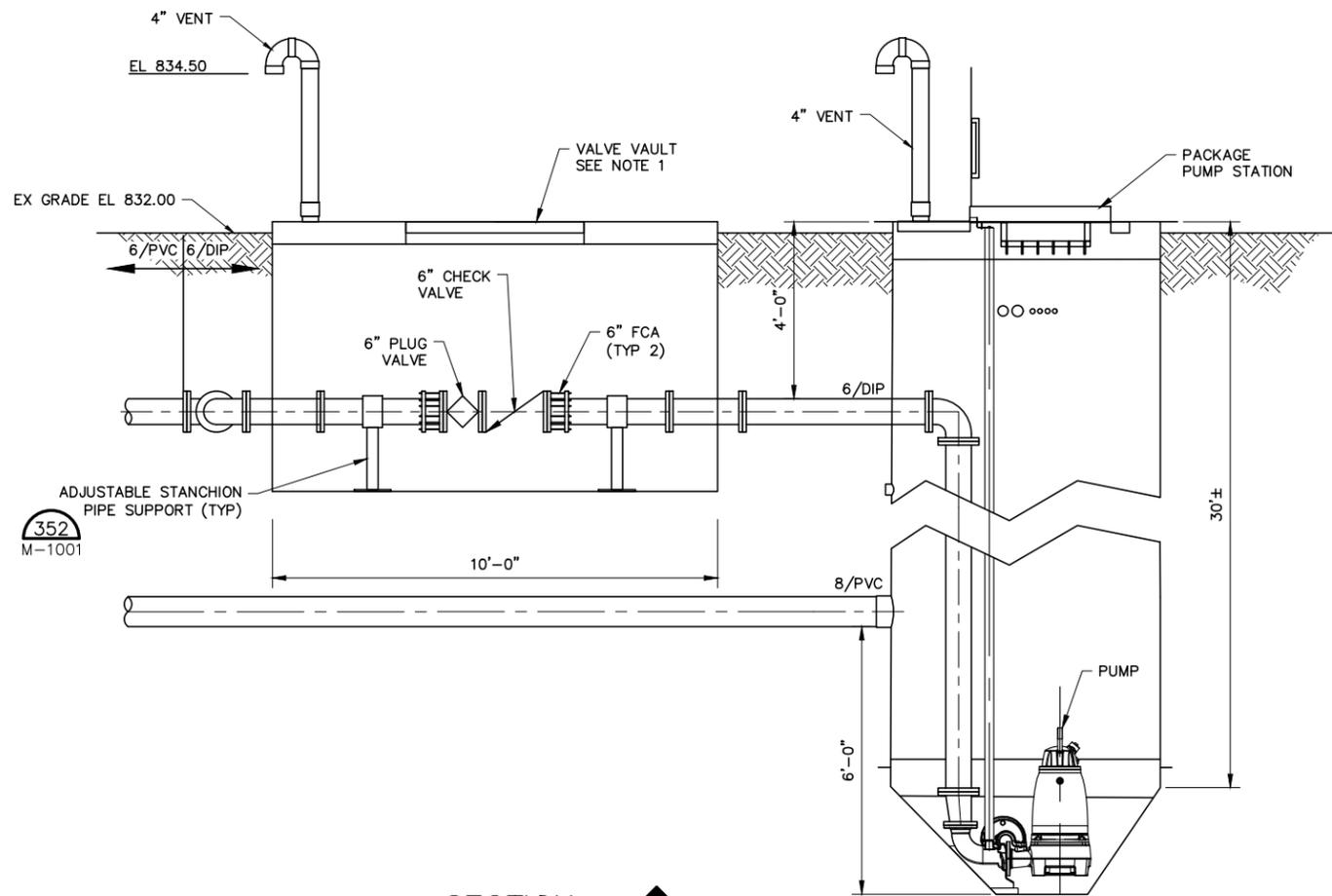
NOTES:

1. VALVE VAULT ACCESS DOORS SHALL BE FLOOD TIGHT AND LOCKABLE
2. ALL MECHANICAL AND ELECTRICAL EQUIPMENT MUST BE LOCKED WITHIN FLOOD TIGHT ENCLOSURES IN ORDER TO RESTRICT ACCESS BY AN UNAUTHORIZED PERSON.
3. CONTRACTOR IS RESPONSIBLE FOR POWER CONNECTION:

PERDENALES ELECTRIC
KYLE-BUDA PLANNING DEPT.
1-800-868-4791 x7525#



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



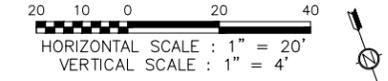
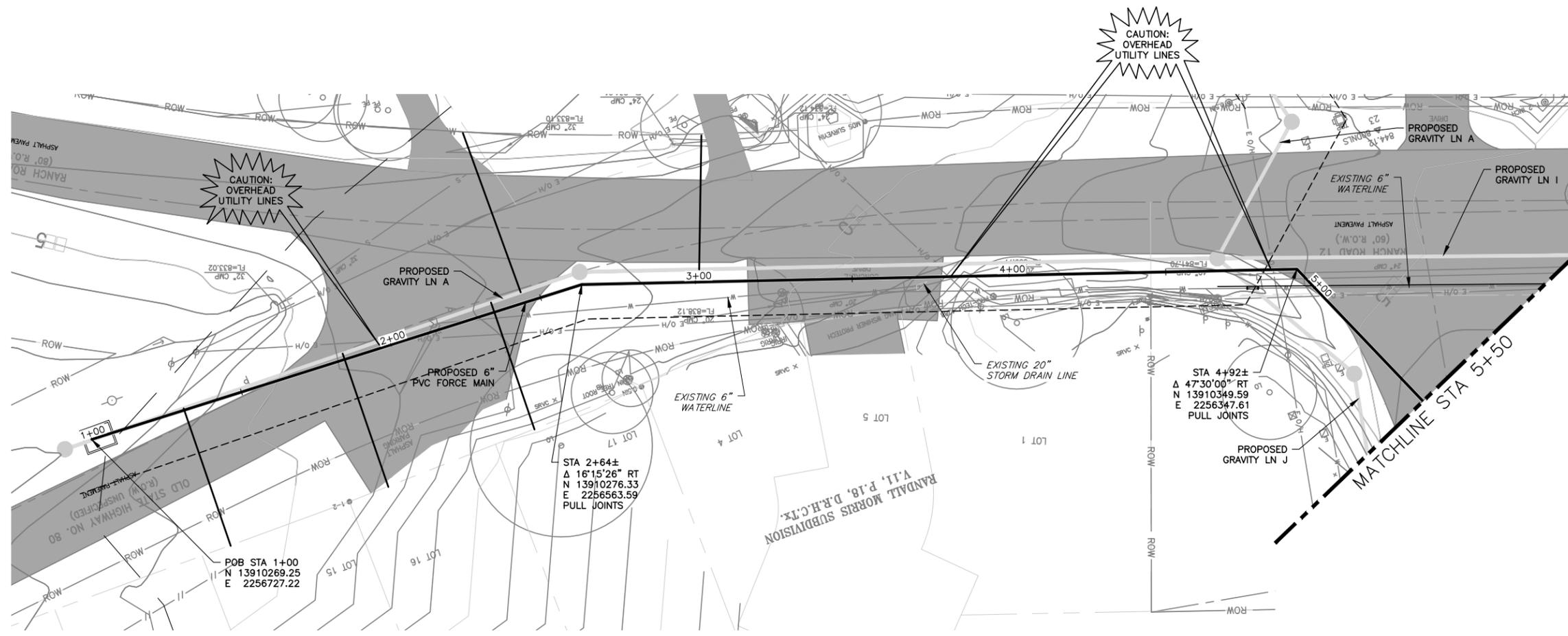
SECTION
SCALE: 1/2"=1'-0"

NO.	DATE	REVISION	BY

CITY OF WIMBERLEY
WASTEWATER TREATMENT PLANT AND COLLECTION SYSTEM PROJECT
RANCH ROAD PUMP STATION
PUMP STATION PLAN AND SECTION
CITY OF WIMBERLEY
221 Stillwater
Wimberley, TX 78676

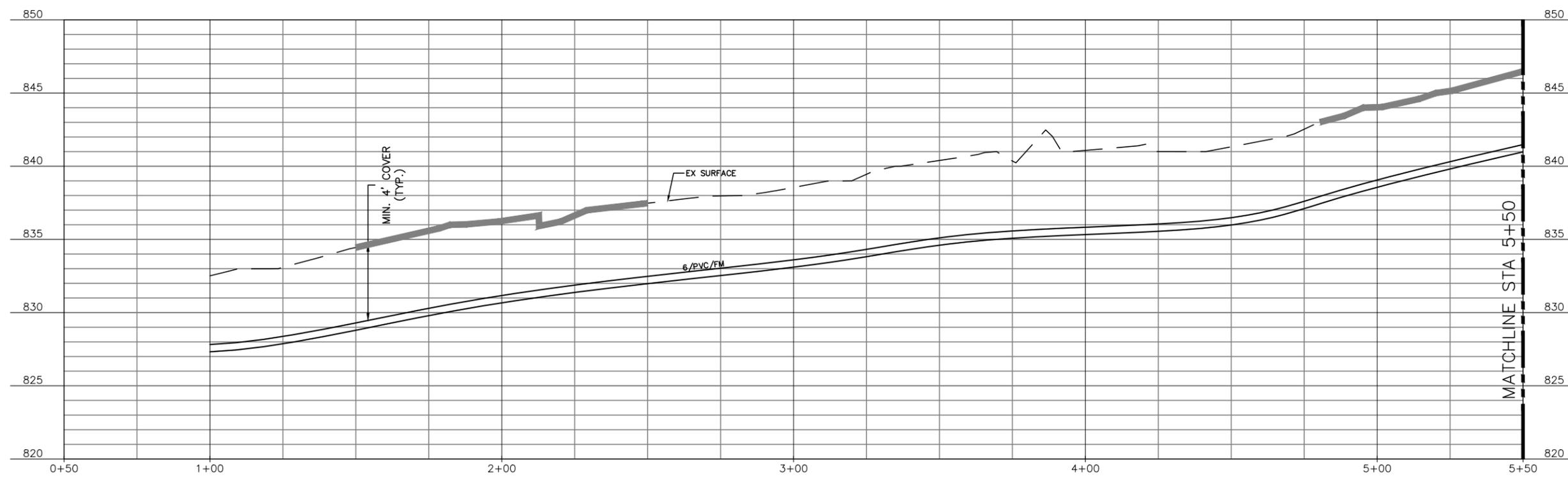


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ONE INCH
DESIGNED C. SYVARTH
DRAWN A. PRICKETT
CHECKED H. FRELS
REVIEWED S. COONAN
Seq. of
Dwg. No. **M-050**
1732-002-01



NOTES:

- CONTRACTOR SHALL INSTALL ALL PIPE ON GRADUAL VERTICAL CURVATURES TO PRECLUDE THE NECESSITY OF USING FITTINGS FOR BENDS TO ACCOMMODATE VERTICAL DEFLECTIONS AND TO ELIMINATE THE USE OF VERTICAL THRUST BLOCKING. PIPING MANUFACTURER SHALL ASSIST CONTRACTOR IN INSTALLATION OF PIPE BY PROVIDING PIPE LAY SCHEDULES WHICH ALLOW FOR VERTICAL CURVATURE DEFLECTION AND DO NOT REQUIRE FITTINGS AND/OR VERTICAL THRUST BLOCKING.



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CITY OF WIMBERLEY
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CITY OF WIMBERLEY
 WASTEWATER TREATMENT PLANT AND COLLECTION SYSTEM PROJECT
 FORCE MAIN PLAN AND PROFILE
 LN A STA 1+00 TO STA 5+50

STATE OF TEXAS
 STEPHEN J. COONAN
 65516
 LICENSED PROFESSIONAL ENGINEER
 12/15/16

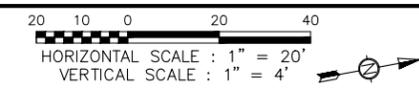
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DESIGNED C. SYVARTH
 DRAWN B. DICKMAN
 CHECKED D. FRANKI
 REVIEWED S. COONAN

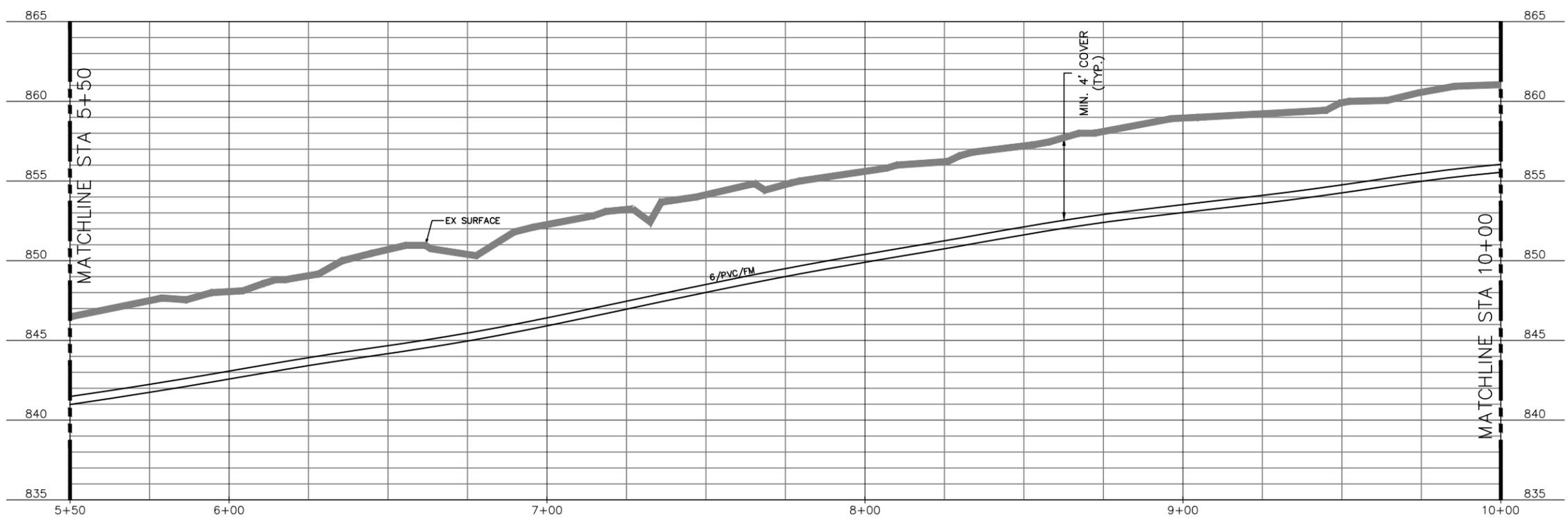
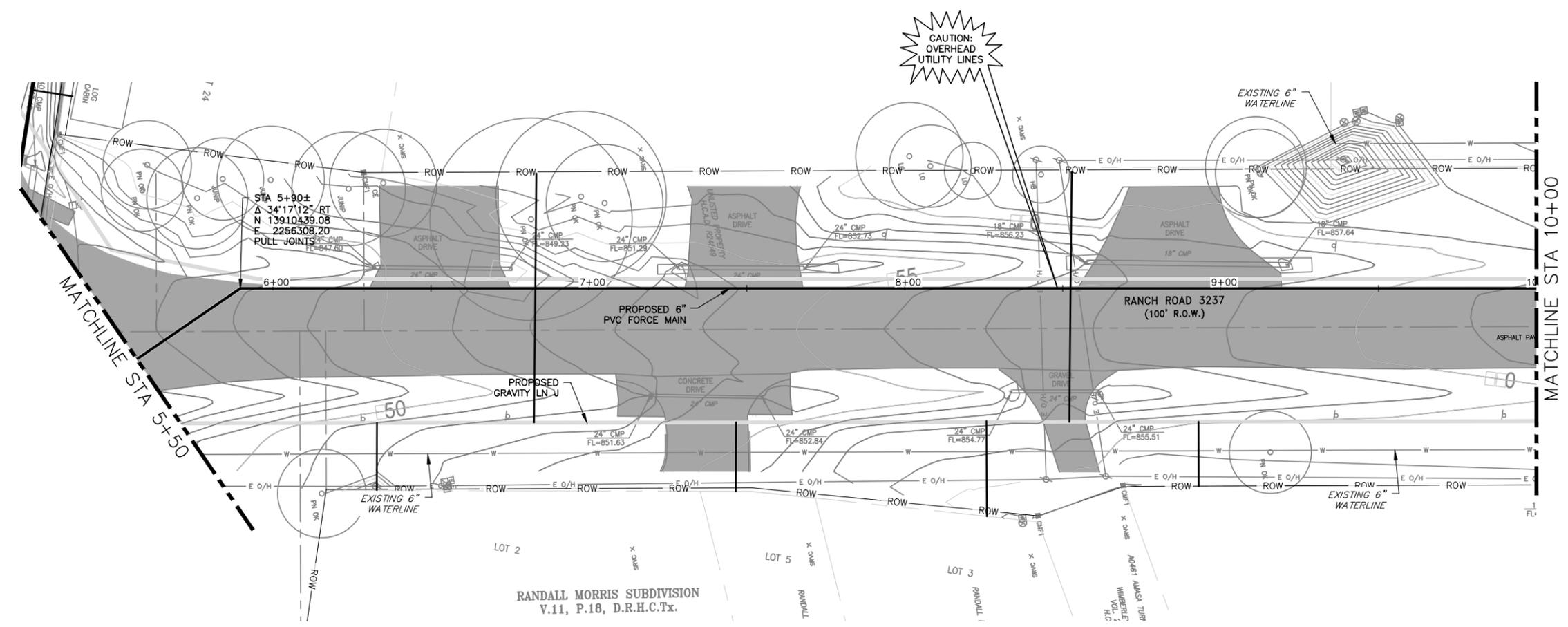
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NOTES:
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CITY OF WIMBERLEY
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 FORCE MAIN PLAN AND PROFILE
 LN A STA 5+50 TO STA 10+00

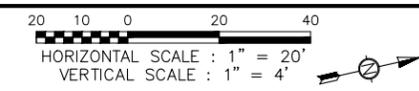
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 65516
 12/15/16

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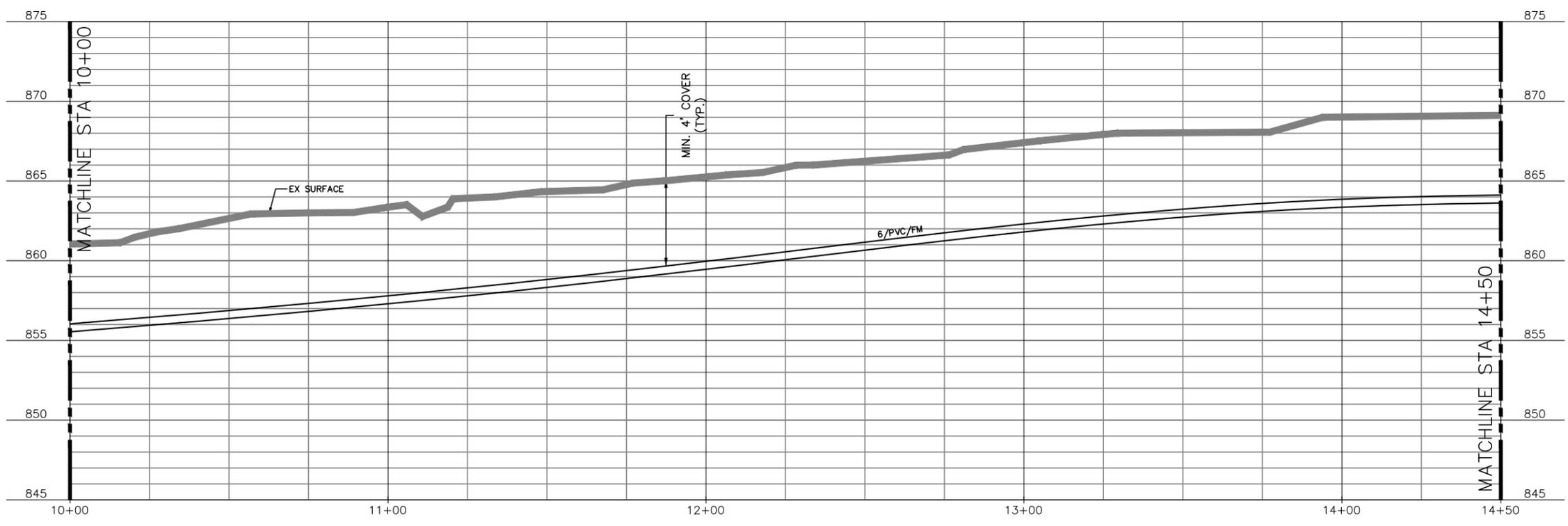
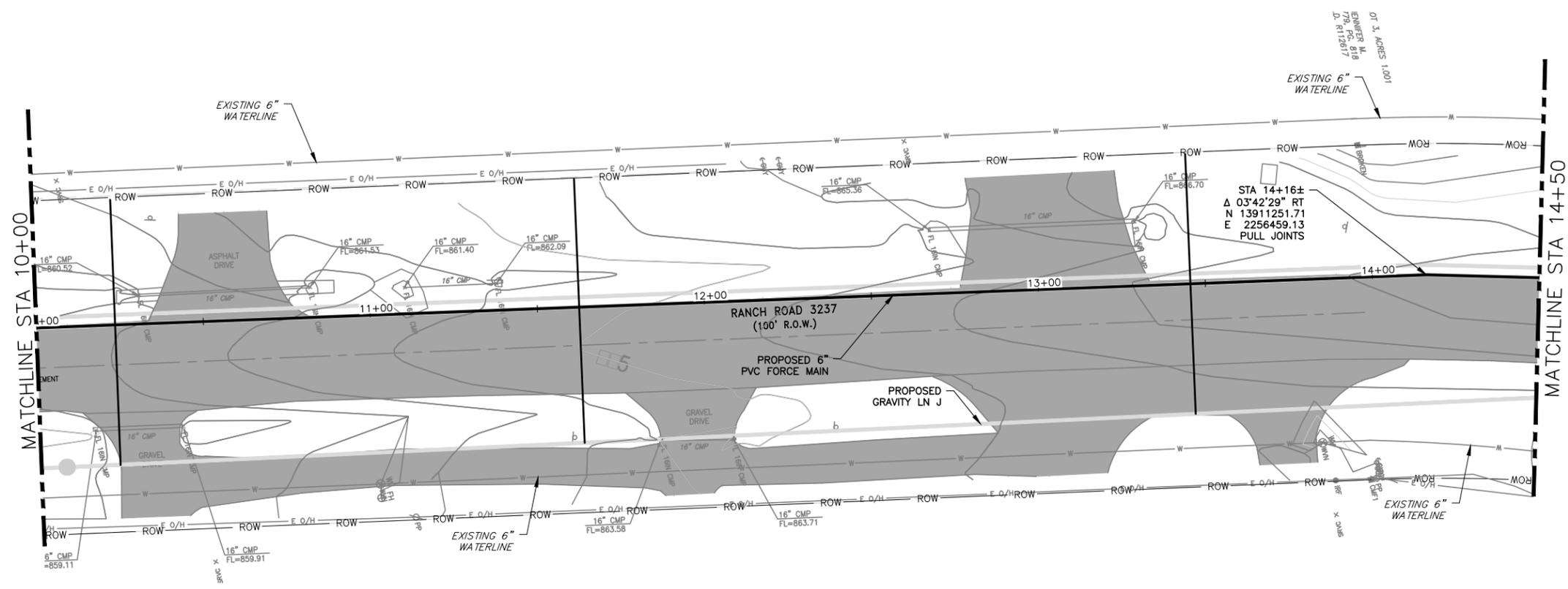
DESIGNED C. SYVARTH
 DRAWN B. DICKMAN
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 REVIEWED S. COONAN

Seq. of
 Dwg. No. **C-101**
 1732-002-01

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NOTES:
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CITY OF WIMBERLEY
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 FORCE MAIN PLAN AND PROFILE
 LN A STA 10+00 TO STA 14+50

STATE OF TEXAS
 STEPHEN J. COONAN
 65516
 LICENSED PROFESSIONAL ENGINEER
 12/15/16

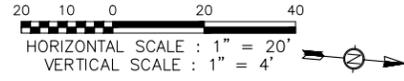
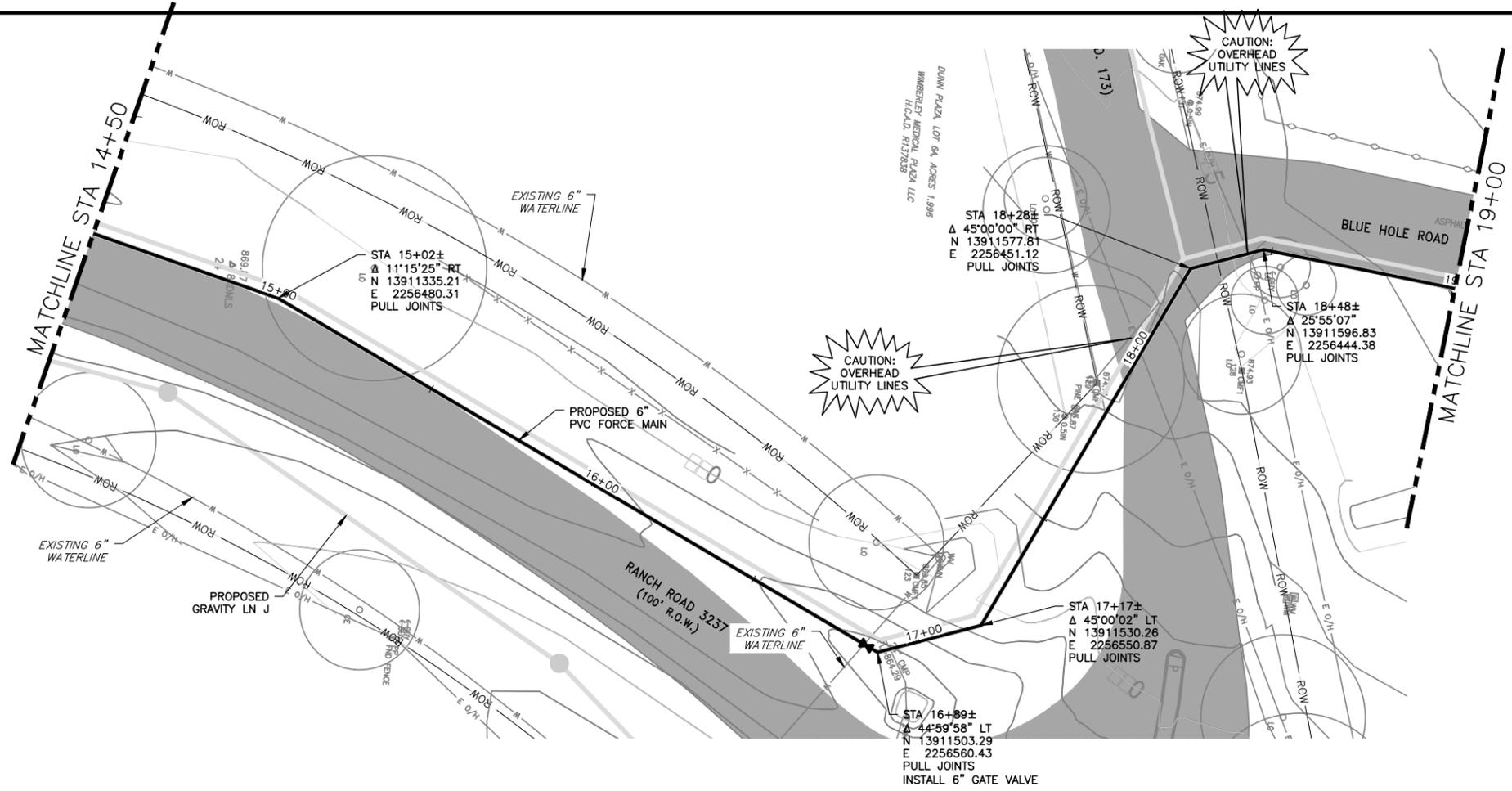
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DESIGNED C. SYVARTH
 DRAWN B. DICKMAN
 CHECKED D. FRANKI
 REVIEWED S. COONAN

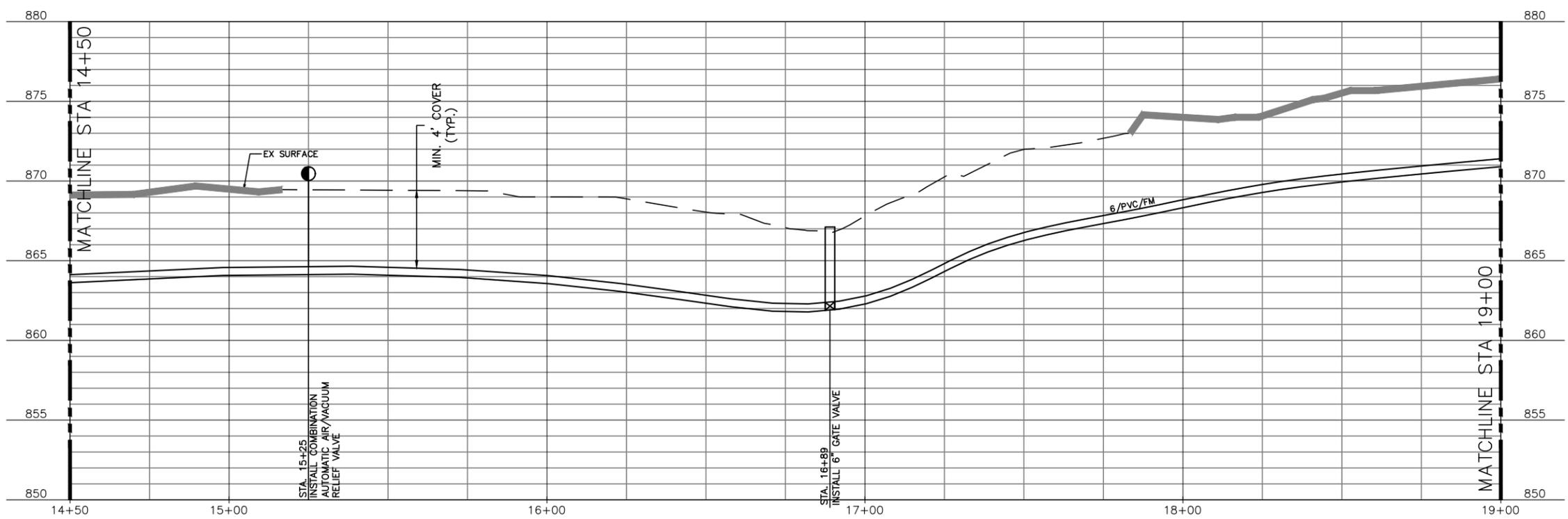
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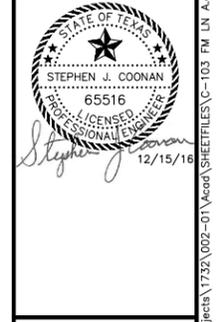
NOTES:
 1. REFER TO DRAWING C-100 FOR ADDITIONAL NOTES.



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CITY OF WIMBERLEY
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 FORCE MAIN PLAN AND PROFILE
 LN A STA 14+50 TO STA 19+00
 WIMBERLEY, TX 78676

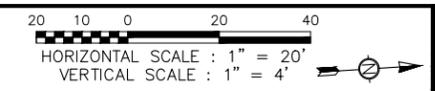


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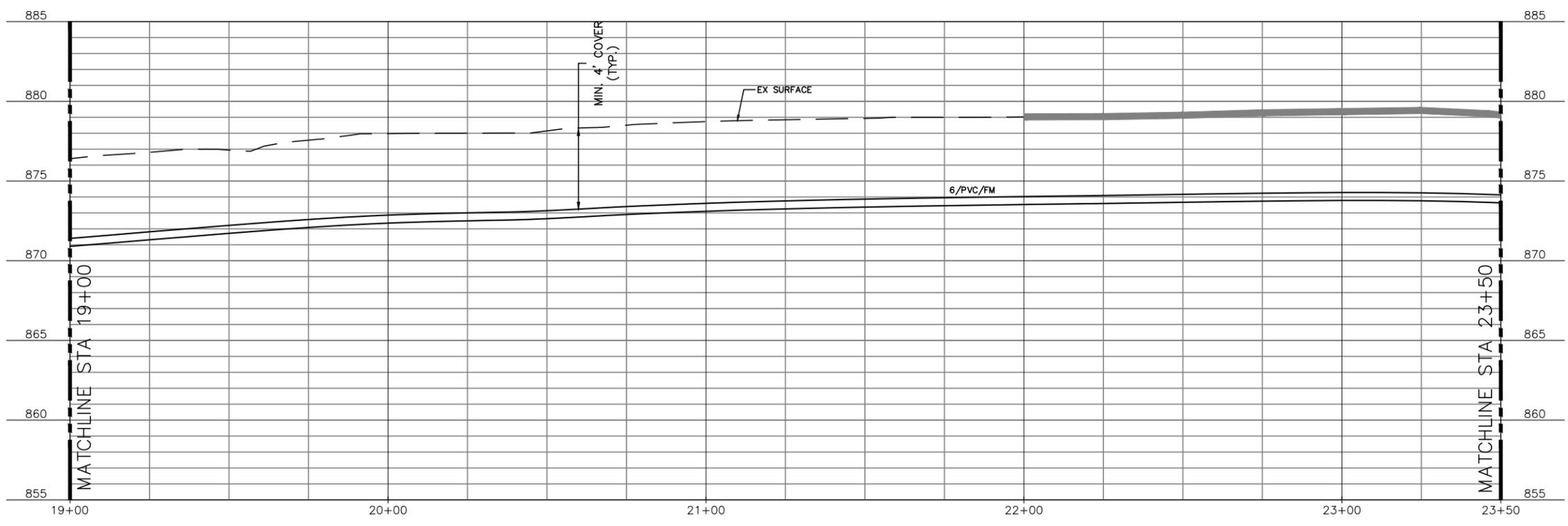
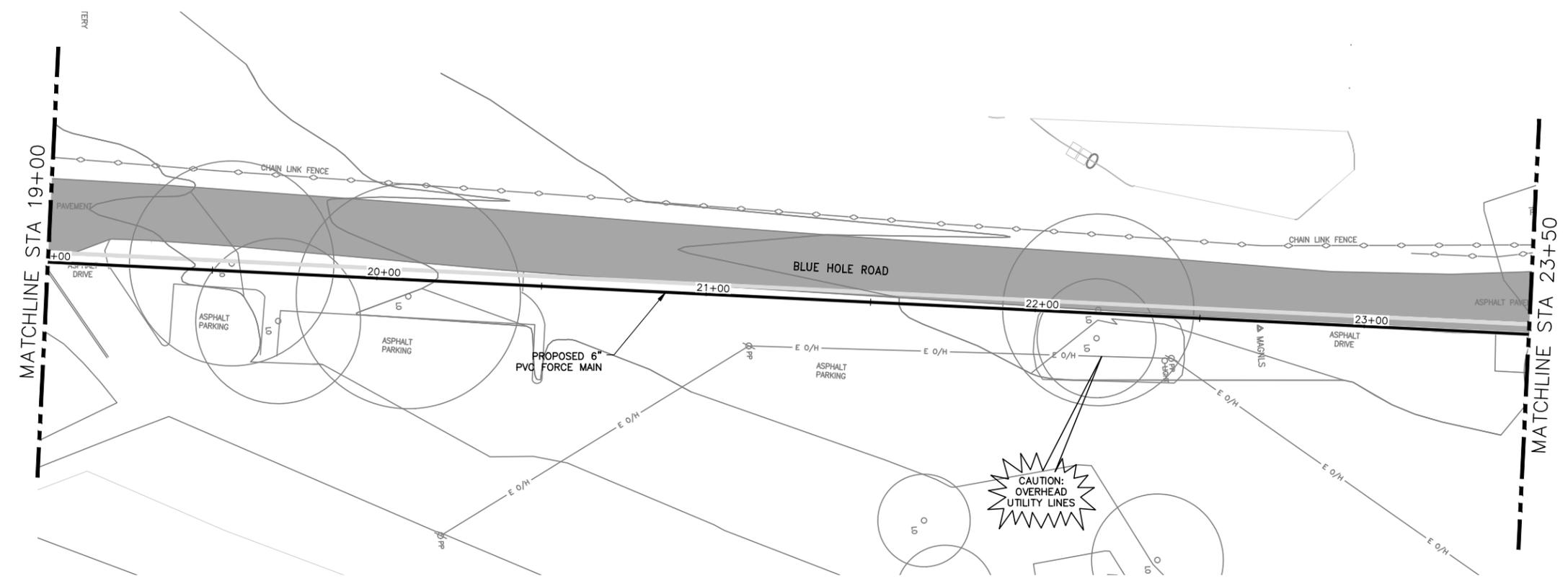
DESIGNED C. SYVARTH
 DRAWN B. DICKMAN
 CHECKED D. FRANKI
 REVIEWED S. COONAN

Seq. of
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NOTES:
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CITY OF WIMBERLEY
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 FORCE MAIN PLAN AND PROFILE
 LN A STA 19+00 TO STA 23+50

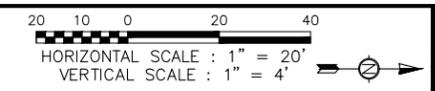
STATE OF TEXAS
 LICENSED PROFESSIONAL ENGINEER
 STEPHEN J. COONAN
 65516
 12/15/16

BAR IS ONE INCH ON ORIGINAL DRAWING.
 ONE INCH

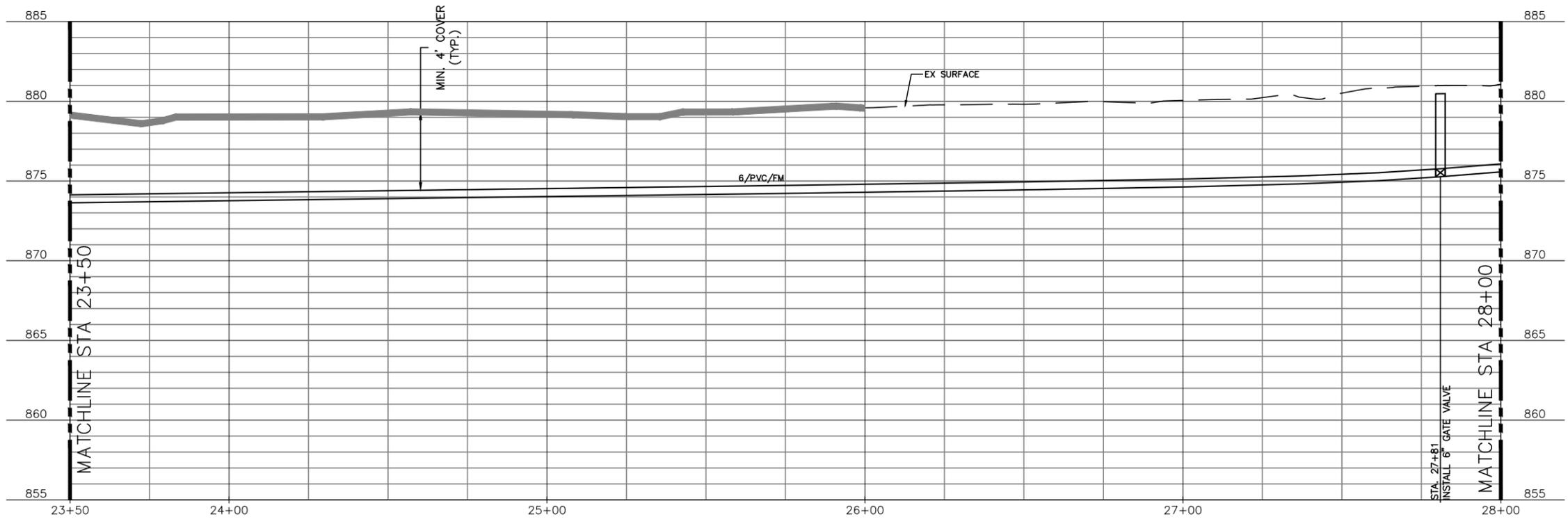
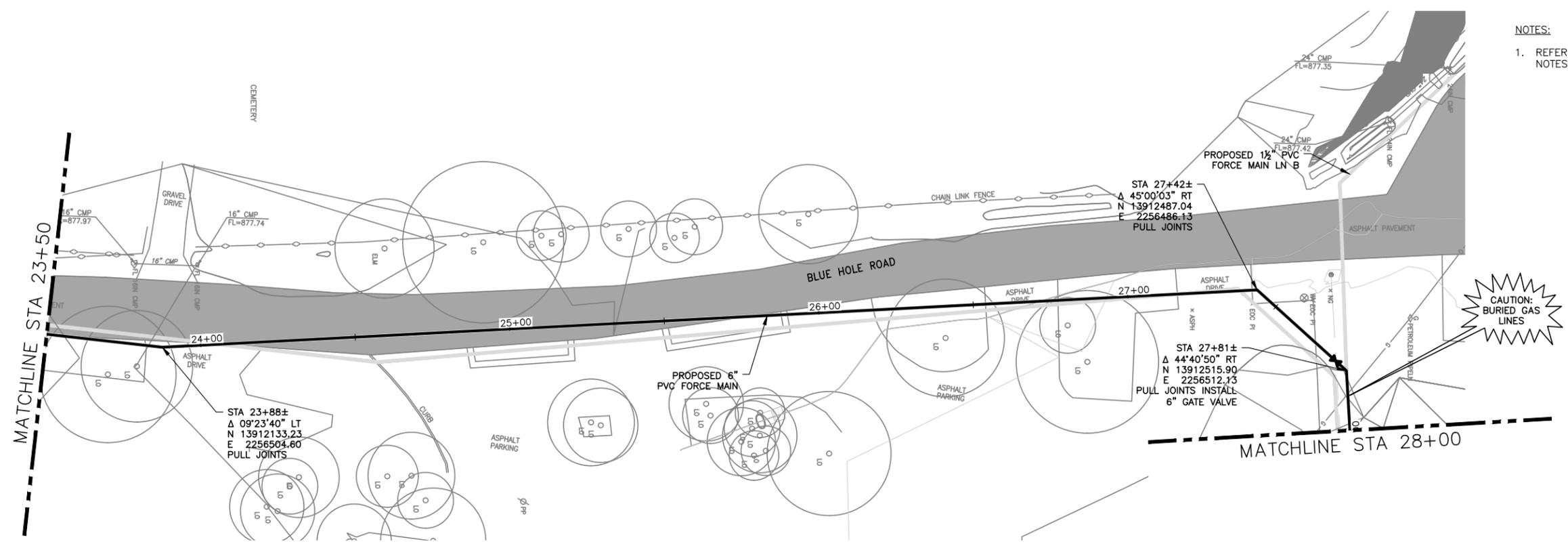
DESIGNED C. SYVARTH
 DRAWN B. DICKMAN
 CHECKED D. FRANKI
 REVIEWED S. COONAN

Seq. of
 Dwg. No. **C-104**
 1732-002-01

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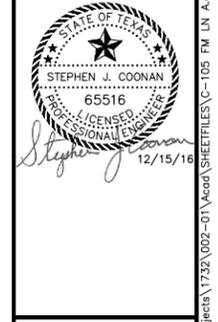
NOTES:
 1. REFER TO DRAWING C-100 FOR ADDITIONAL NOTES.



ALAN PLUMMER ASSOCIATES, INC.
 ENVIRONMENTAL ENGINEERS AND SCIENTISTS
 6300 L.A. CALMA DRIVE, SUITE 400
 AUSTIN, TEXAS 78752-3843
 PHONE: 512-452-5905 FAX: 512-452-2325
 TEXAS REGISTERED ENGINEERING FIRM F-13

NO.	DATE	REVISION	BY

CITY OF WIMBERLEY
 WASTEWATER TREATMENT PLANT AND COLLECTION SYSTEM PROJECT
 FORCE MAIN PLAN AND PROFILE
 LN A STA 23+50 TO STA 28+00



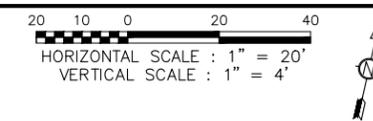
BAR IS ONE INCH ON ORIGINAL DRAWING.
 ONE INCH

DESIGNED C. SYVARTH
 DRAWN B. DICKMAN
 CHECKED D. FRANKI
 REVIEWED S. COONAN

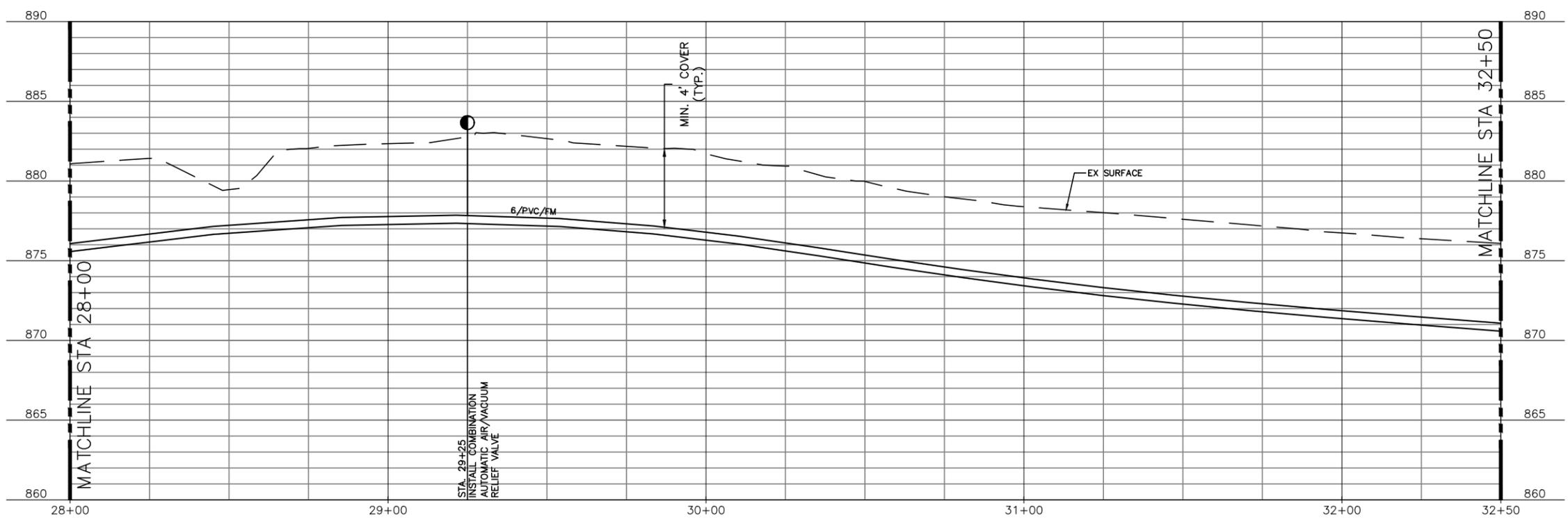
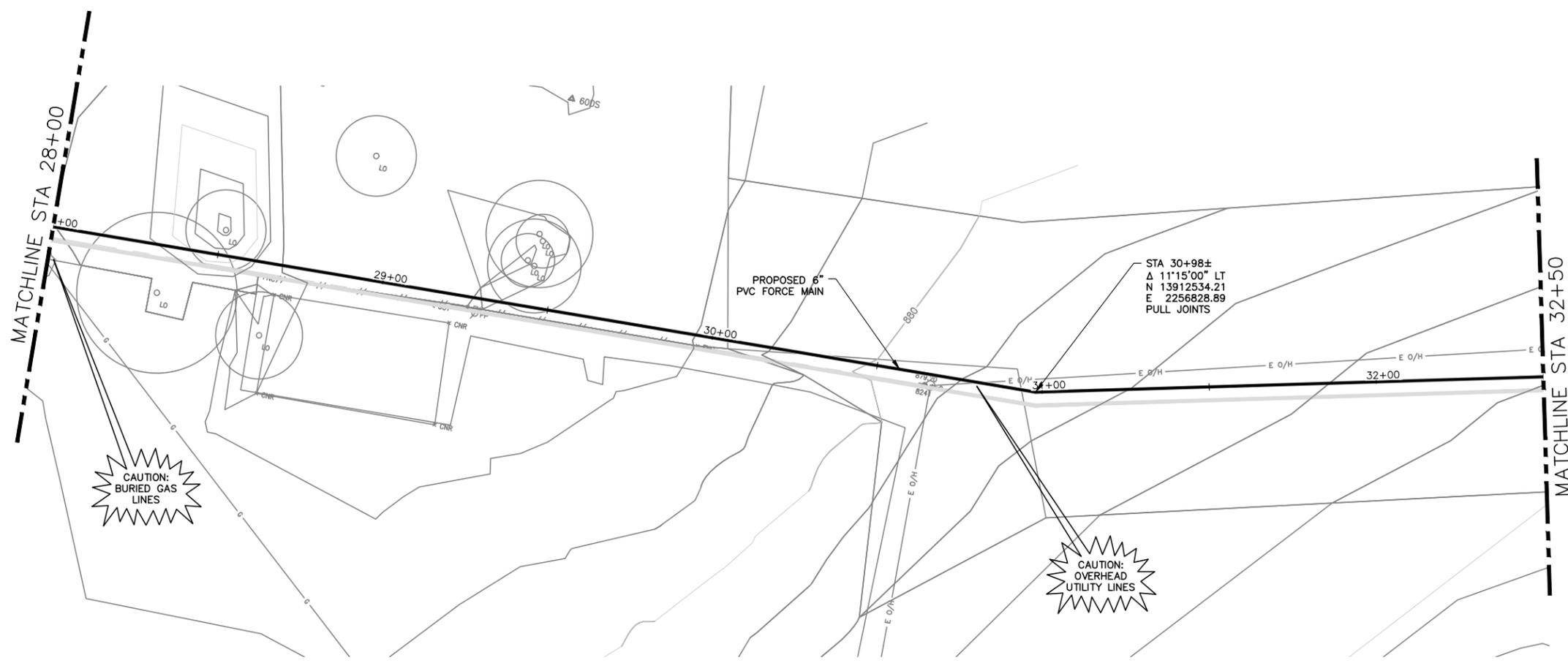
Seq. of
 Dwg. No. **C-105**

1732-002-01

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NOTES:
 1. REFER TO DRAWING C-100 FOR ADDITIONAL NOTES.



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 6300 L.A. CALMA DRIVE, SUITE 400
 AUSTIN, TEXAS 78752-3843
 PHONE: 512-452-5905 FAX: 512-452-2325
 TEXAS REGISTERED ENGINEERING FIRM F-13

NO.	DATE	REVISION	BY

CITY OF WIMBERLEY
 221 Stillwater
 Wimberley, TX 78676

CITY OF WIMBERLEY
 WASTEWATER TREATMENT PLANT AND COLLECTION SYSTEM PROJECT
 FORCE MAIN PLAN AND PROFILE
 LN A STA 28+00 TO STA 32+50

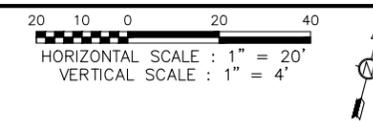
STATE OF TEXAS
 LICENSED PROFESSIONAL ENGINEER
 STEPHEN J. COONAN
 65516
 12/15/16

BAR IS ONE INCH ON ORIGINAL DRAWING.
 ONE INCH

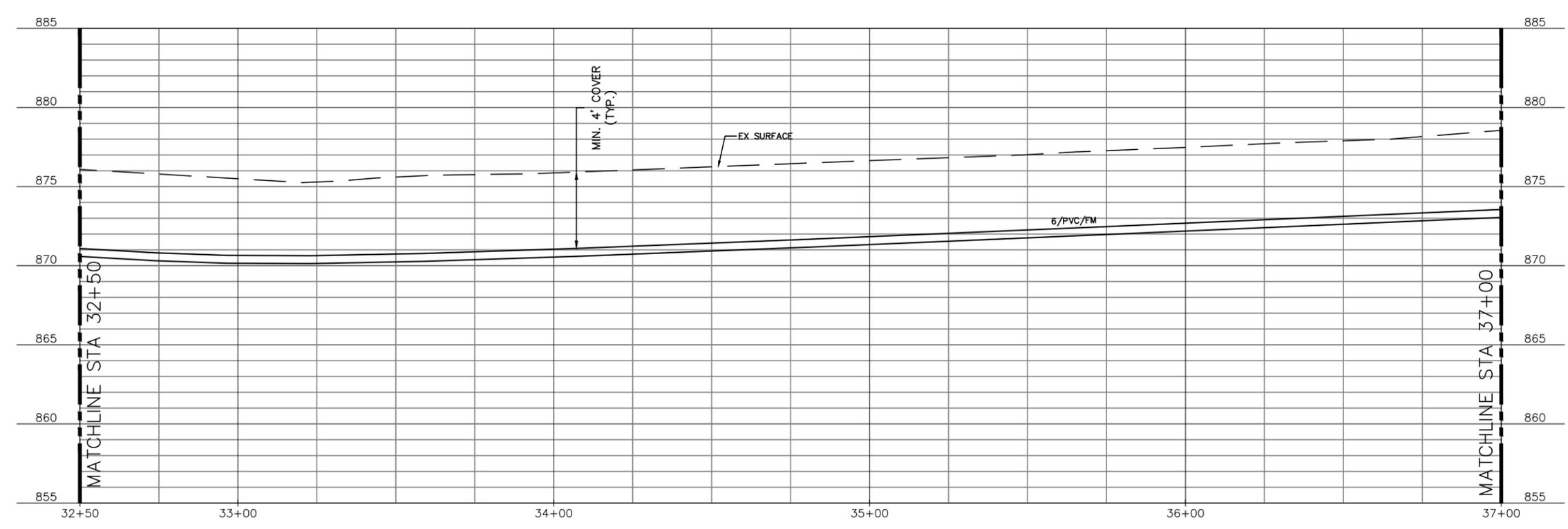
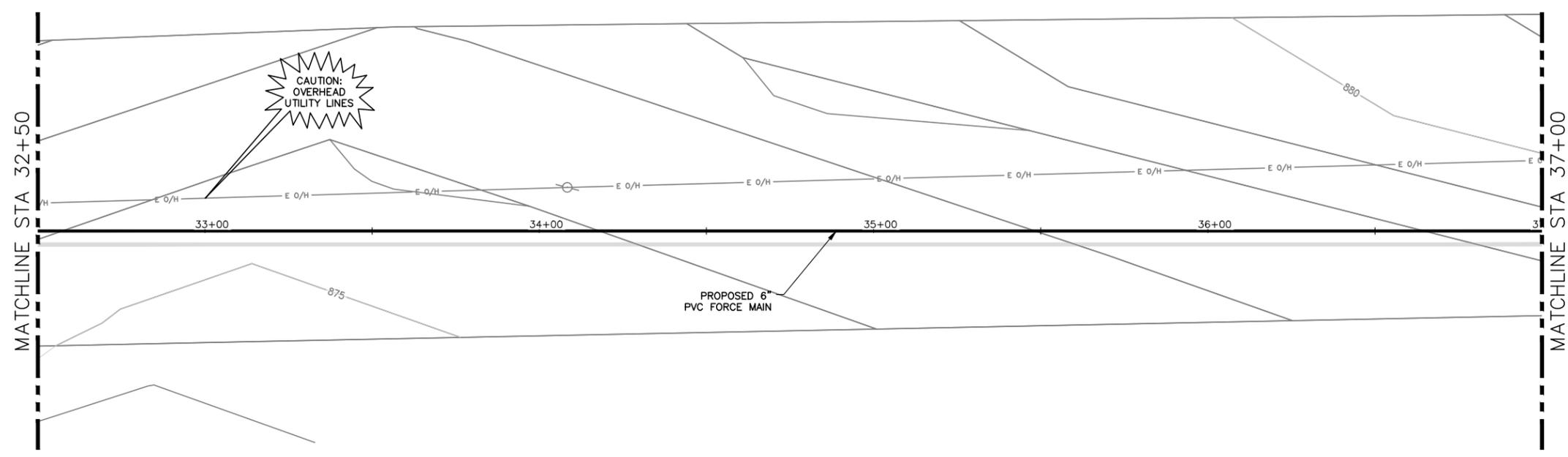
DESIGNED C. SYVARTH
 DRAWN B. DICKMAN
 CHECKED D. FRANKI
 REVIEWED S. COONAN

Seq. of
 Dwg. No. **C-106**
 1732-002-01

PRINTED: 12/14/2016 6:10 PM W:\Projects\1732\002-01\Acad\SheetFiles\C-106 FM LN A.dwg SAVER: 9/15/2016 5:27 PM USER: Dickman, Brian



NOTES:
 1. REFER TO DRAWING C-100 FOR ADDITIONAL NOTES.



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 ENVIRONMENTAL ENGINEERS AND SCIENTISTS
 6300 LA CALMA DRIVE, SUITE 400
 AUSTIN, TEXAS 78752-3843
 PHONE: 512-452-5905 FAX: 512-452-2325
 TEXAS REGISTERED ENGINEERING FIRM F-13

NO.	DATE	REVISION	BY

CITY OF WIMBERLEY
 221 Stillwater
 Wimberley, TX 78676

CITY OF WIMBERLEY
 WASTEWATER TREATMENT PLANT AND COLLECTION SYSTEM PROJECT
 FORCE MAIN PLAN AND PROFILE
 LN A STA 35+50 TO STA 37+00

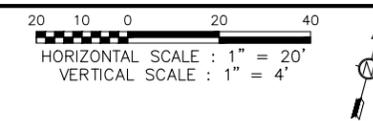
STATE OF TEXAS
 REGISTERED PROFESSIONAL ENGINEER
 STEPHEN J. COONAN
 65516
 12/15/16

BAR IS ONE INCH ON ORIGINAL DRAWING.
 ONE INCH

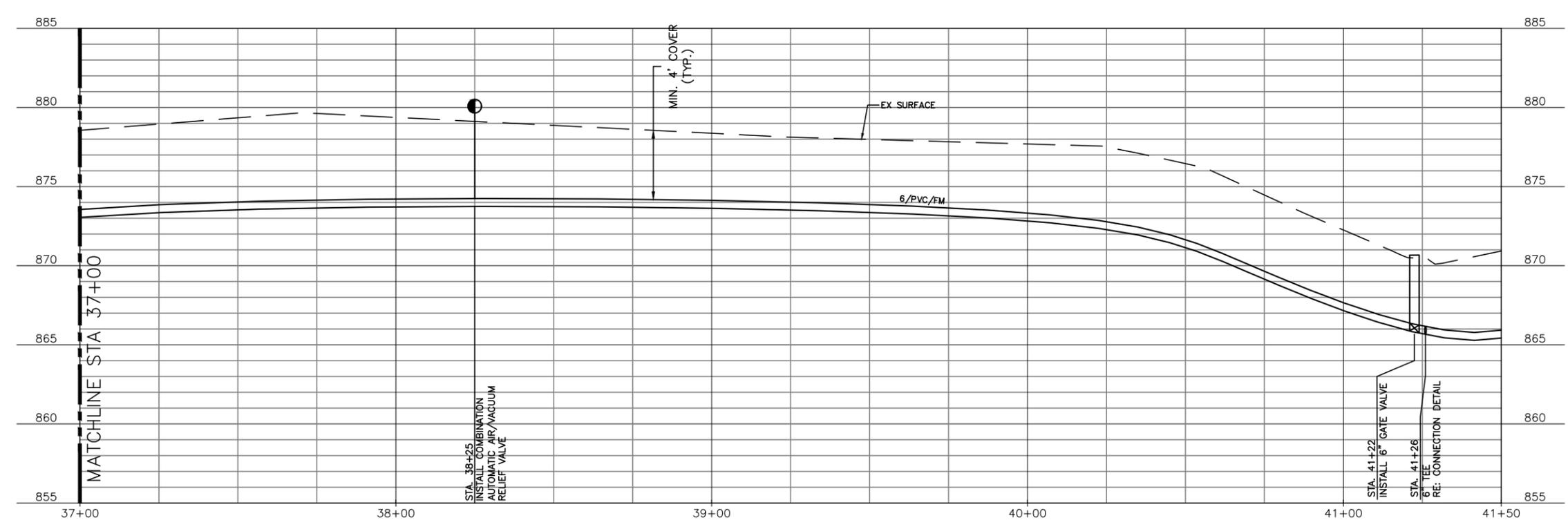
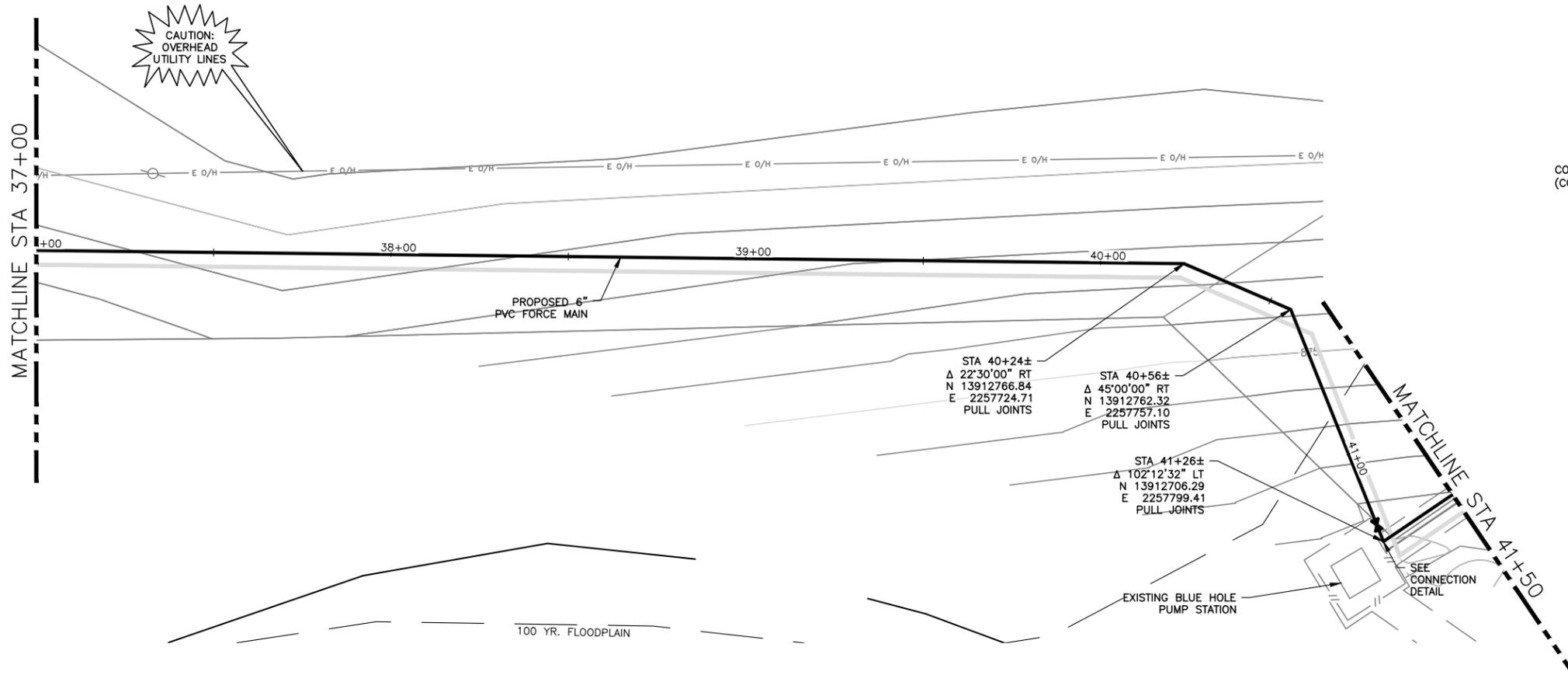
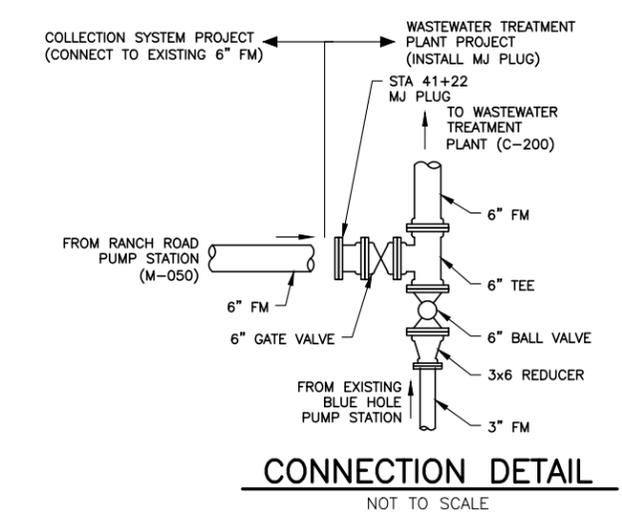
DESIGNED C. SYVARTH
 DRAWN B. DICKMAN
 CHECKED D. FRANKI
 REVIEWED S. COONAN

Seq. of
 Dwg. No. **C-107**
 1732-002-01

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NOTES:
 1. REFER TO DRAWING C-100 FOR ADDITIONAL NOTES.



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 6300 L.A. CALMA DRIVE, SUITE 400
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 PHONE: 512-452-5905 FAX: 512-452-2325
 TEXAS REGISTERED ENGINEERING FIRM F-13

NO.	DATE	REVISION	BY

CITY OF WIMBERLEY
 221 Stillwater
 Wimberley, TX 78676

CITY OF WIMBERLEY
 WASTEWATER TREATMENT PLANT AND
 COLLECTION SYSTEM PROJECT
 LN A STA 37+00 TO STA 41+50

FORCE MAIN PLAN AND PROFILE

STEPHEN J. COONAN
 65516
 LICENSED PROFESSIONAL ENGINEER
 12/15/16

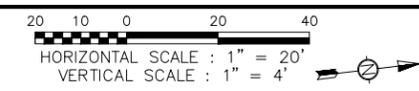
BAR IS ONE INCH ON ORIGINAL DRAWING.
 ONE INCH

DESIGNED C. SYVARTH
 DRAWN B. DICKMAN
 CHECKED D. FRANKI
 REVIEWED S. COONAN

Seq. of
 Dwg. No. **C-108**

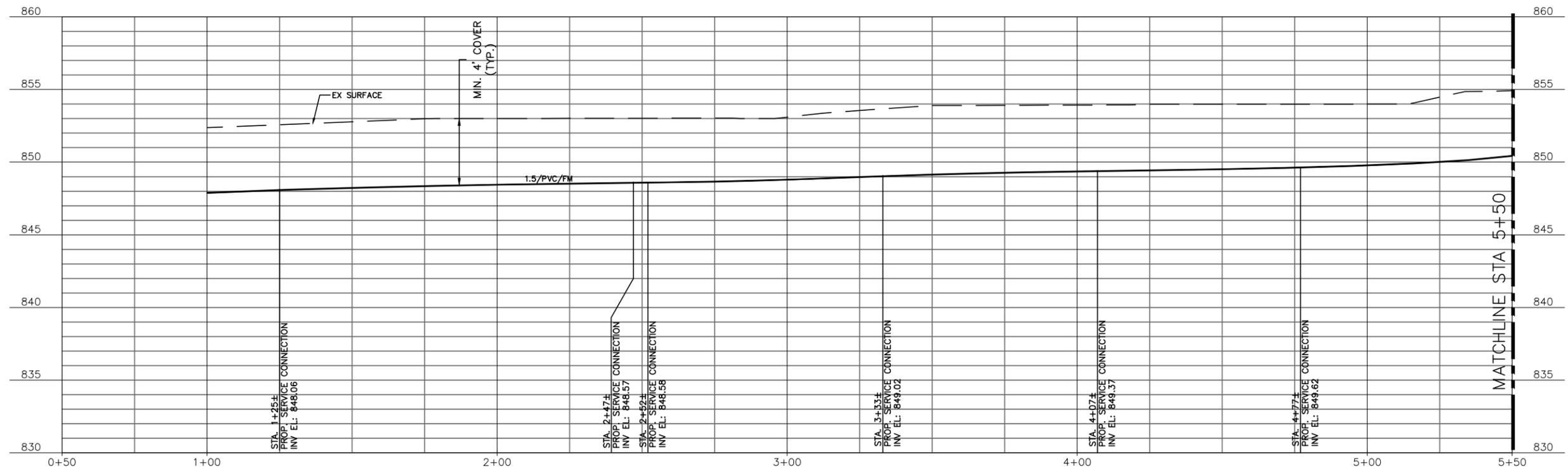
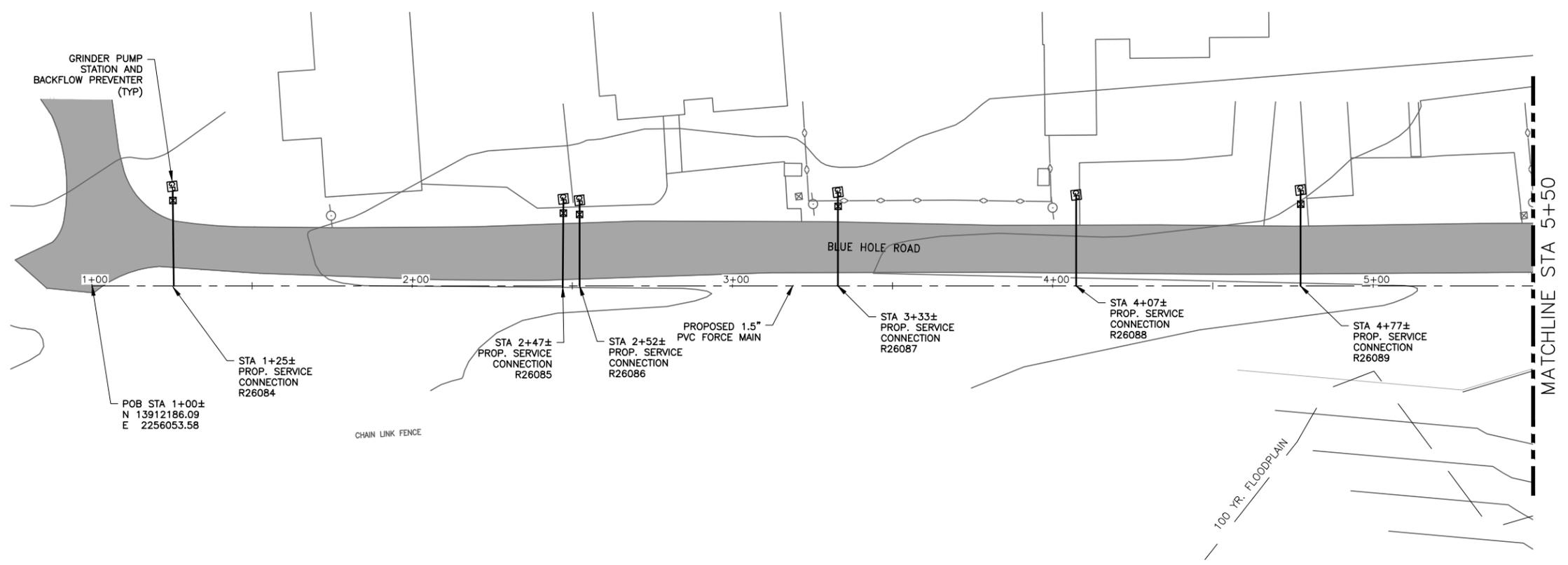
1732-002-01

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- NOTES:
- REFER TO DRAWING C-100 FOR ADDITIONAL NOTES.
 - GRINDER PUMPS ACCESS DOOR(S) SHALL BE FLOOD TIGHT.
 - CONTRACTOR IS RESPONSIBLE FOR POWER CONNECTION:

PERDENALES ELECTRIC
KYLE-BUDA PLANNING DEPT.
1-800-868-4791 x7525



ALAN PLUMMER ASSOCIATES, INC.
ENVIRONMENTAL ENGINEERS AND SCIENTISTS
6300 L.A. CALMA DRIVE, SUITE 400
AUSTIN, TEXAS 78752-3843
PHONE: 512-452-5905 FAX: 512-452-2325
TEXAS REGISTERED ENGINEERING FIRM F-13

NO.	DATE	REVISION	BY

CITY OF WIMBERLEY
221 Stillwater
Wimberley, TX 78676

CITY OF WIMBERLEY
WASTEWATER TREATMENT PLANT AND COLLECTION SYSTEM PROJECT

FORCE MAIN PLAN AND PROFILE
LN B STA 1+00 TO STA 5+50

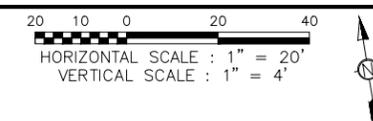
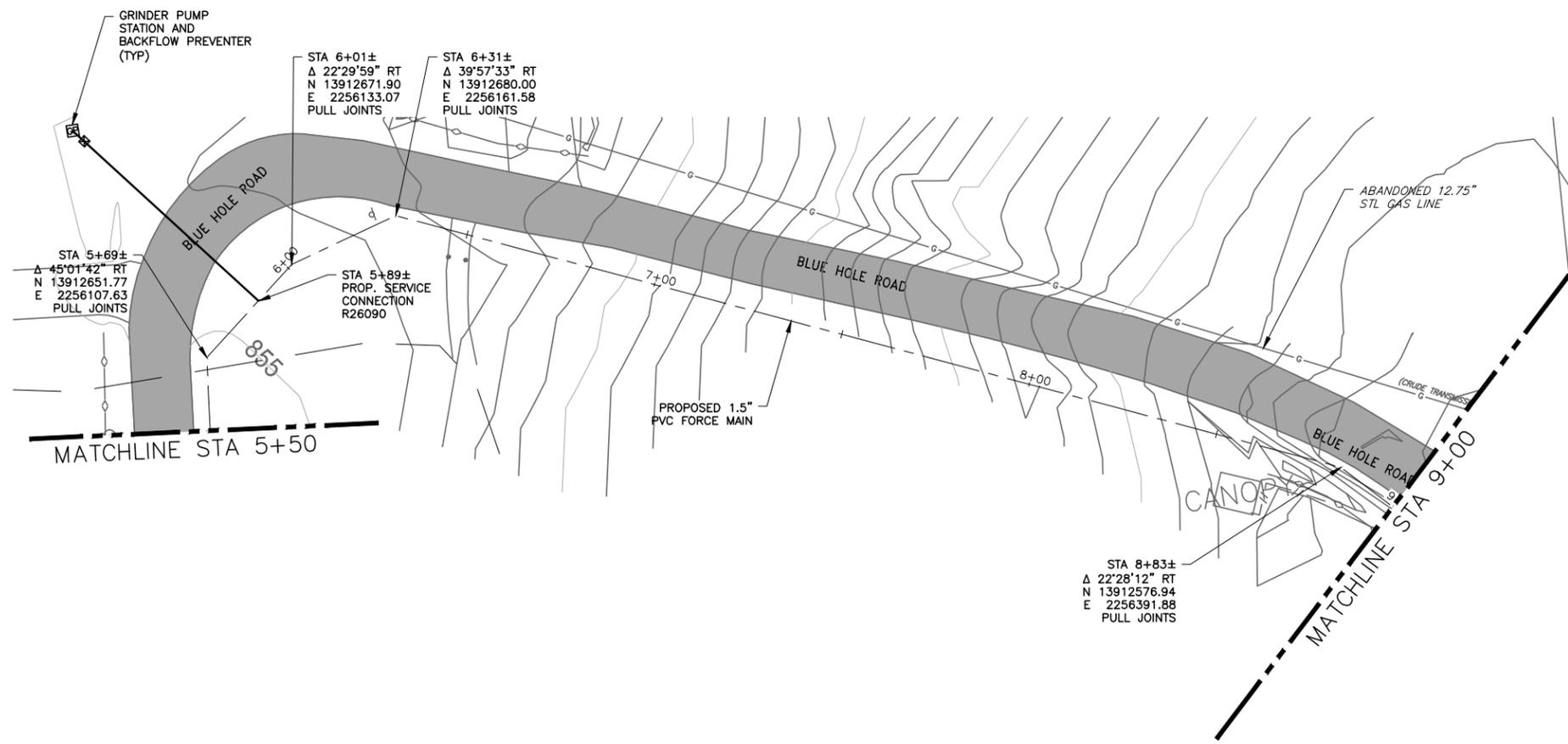
STEPHEN J. COONAN
85516
LICENSED PROFESSIONAL ENGINEER
12/15/16

BAR IS ONE INCH ON ORIGINAL DRAWING.
ONE INCH

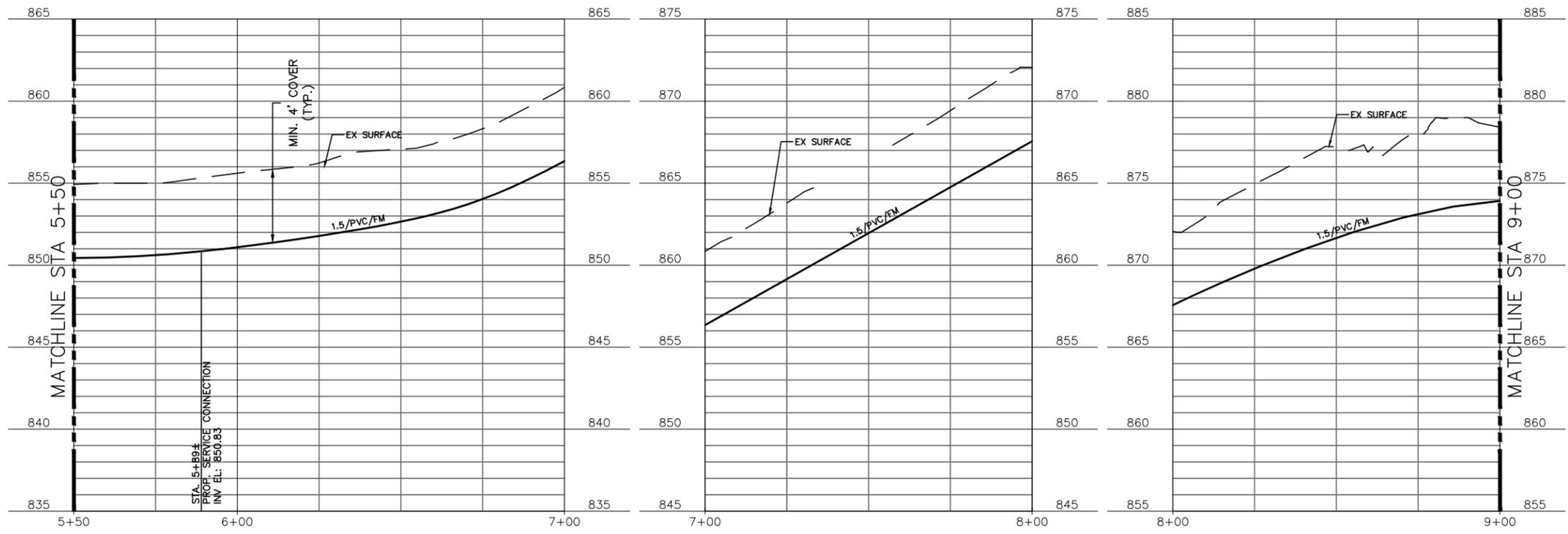
DESIGNED C. SYVARTH
DRAWN B. DICKMAN
CHECKED D. FRANKI
REVIEWED S. COONAN

Seq. of
Dwg. No. **C-113**
1732-002-01

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- NOTES:
- REFER TO DRAWING C-100 FOR ADDITIONAL NOTES.
 - CONTRACTOR IS RESPONSIBLE FOR POWER CONNECTION:
- PERDENALES ELECTRIC
 KYLE-BUDA PLANNING DEPT.
 1-800-868-4791 X7525



ALAN PLUMMER ASSOCIATES, INC.
 ENVIRONMENTAL ENGINEERS AND SCIENTISTS
 6300 LA CALMA DRIVE, SUITE 400
 AUSTIN, TEXAS 78752-3443
 PHONE: 512-452-5905 FAX: 512-452-2325
 TEXAS REGISTERED ENGINEERING FIRM F-13

NO.	DATE	REVISION	BY

CITY OF WIMBERLEY
 221 Stillwater
 Wimberley, TX 78676

CITY OF WIMBERLEY
 WASTEWATER TREATMENT PLANT AND COLLECTION SYSTEM PROJECT
 FORCE MAIN PLAN AND PROFILE
 LN B STA 5+50 TO STA 9+00

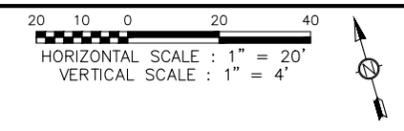
STATE OF TEXAS
 SEPTEMBER 15, 2015
 STEPHEN J. COONAN
 65516
 LICENSED PROFESSIONAL ENGINEER
 12/15/16

BAR IS ONE INCH ON ORIGINAL DRAWING.
 ONE INCH

DESIGNED C. SYVARTH
 DRAWN B. DICKMAN
 CHECKED D. FRANKI
 REVIEWED S. COONAN

Seq. of
 Dwg. No. **C-114**
 1732-002-01

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NOTES:
 1. REFER TO DRAWING C-100 FOR ADDITIONAL NOTES.

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 6300 L.A. CALMA DRIVE, SUITE 400
 AUSTIN, TEXAS 78752-3843
 PHONE: 512-452-5905 FAX: 512-452-2325
 TEXAS REGISTERED ENGINEERING FIRM F-13

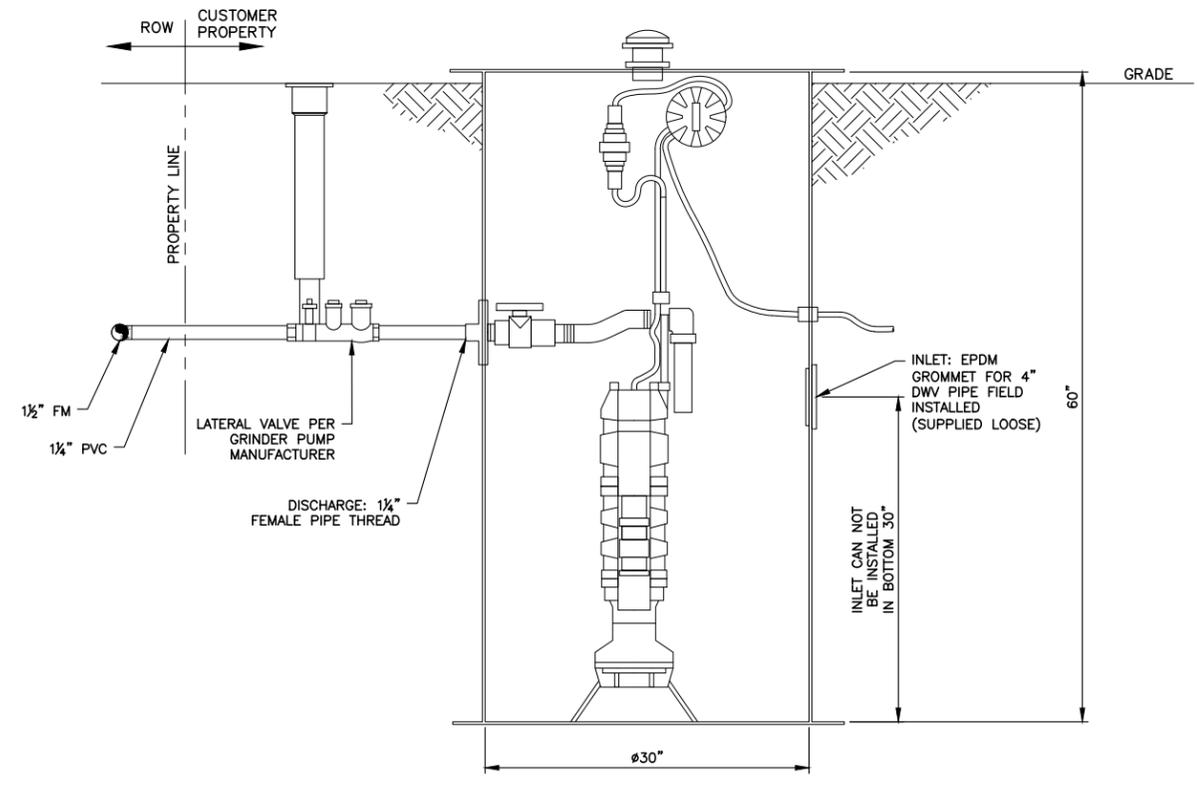
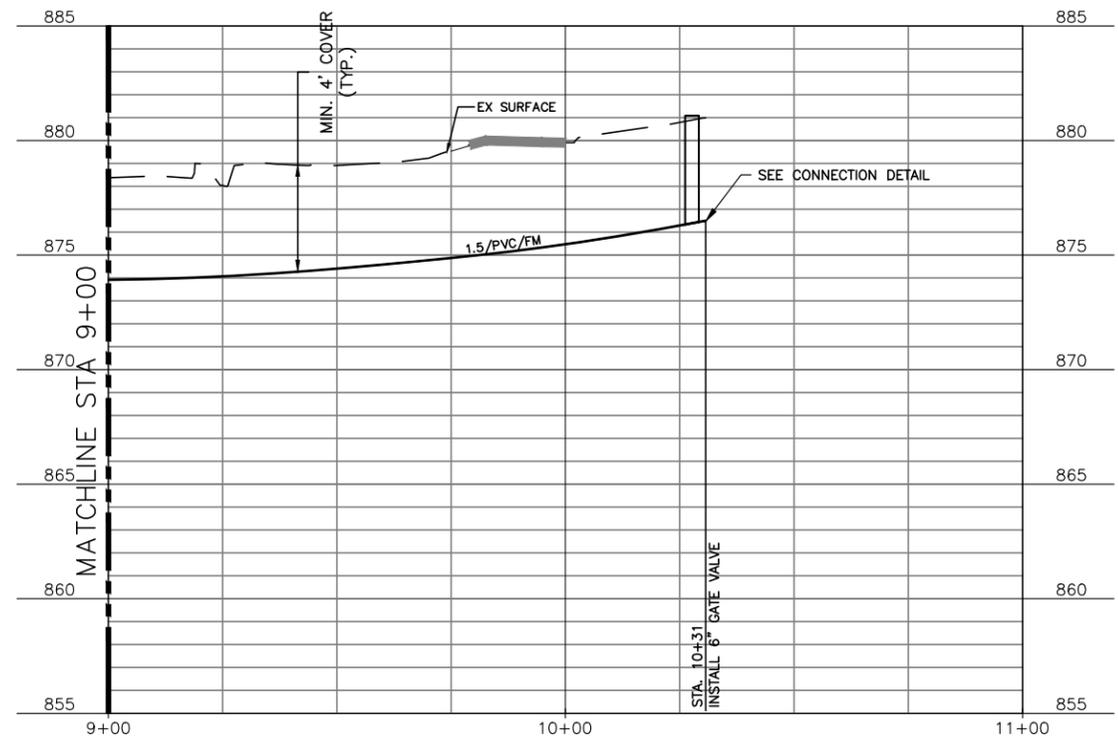
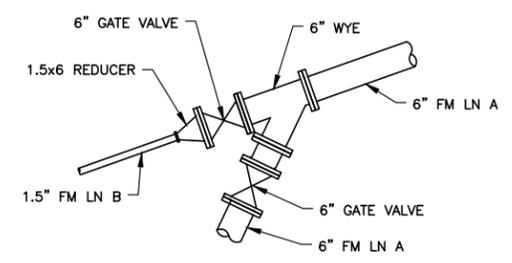
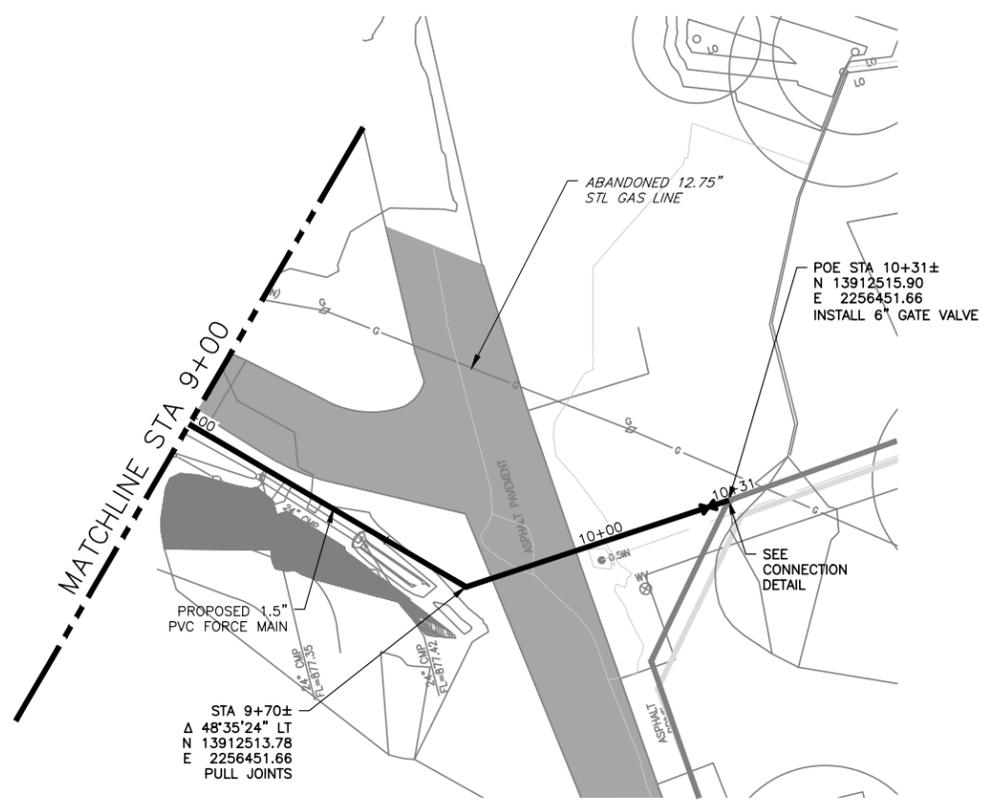
NO.	DATE	REVISION	BY

CITY OF WIMBERLEY
 221 Stillwater
 Wimberley, TX 78676

CITY OF WIMBERLEY
 WASTEWATER TREATMENT PLANT AND COLLECTION SYSTEM PROJECT
 FORCE MAIN PLAN AND PROFILE
 LN B STA 9+00 TO STA 10+30

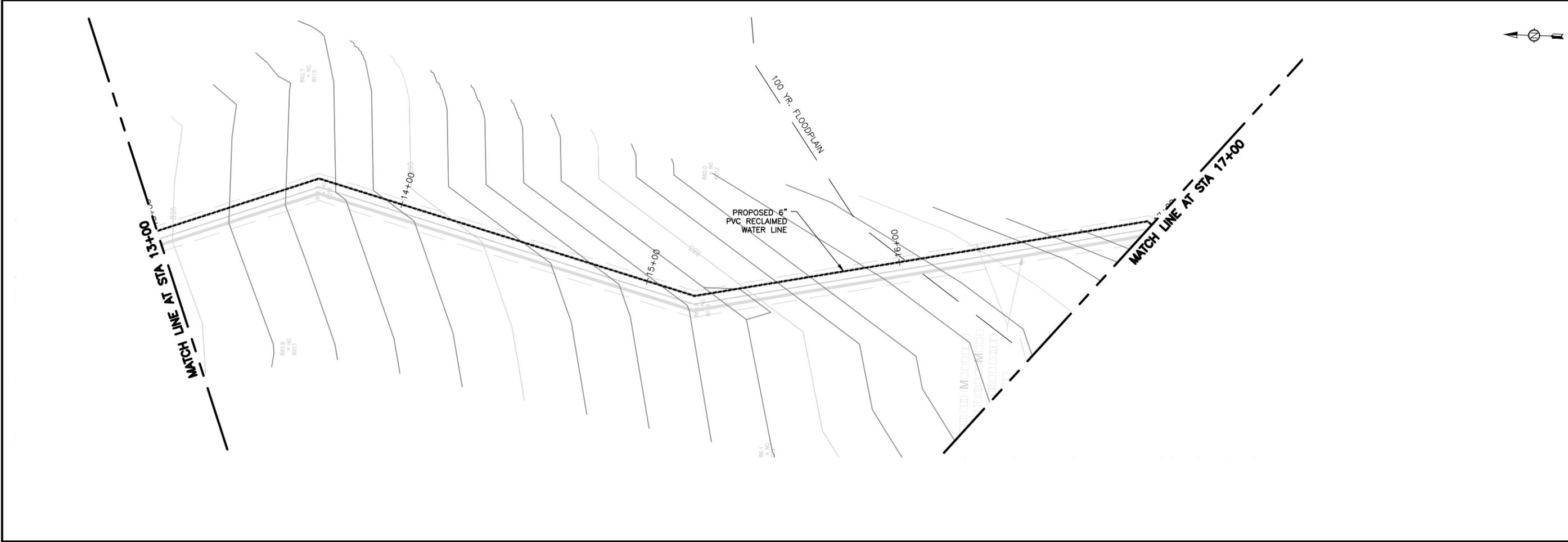
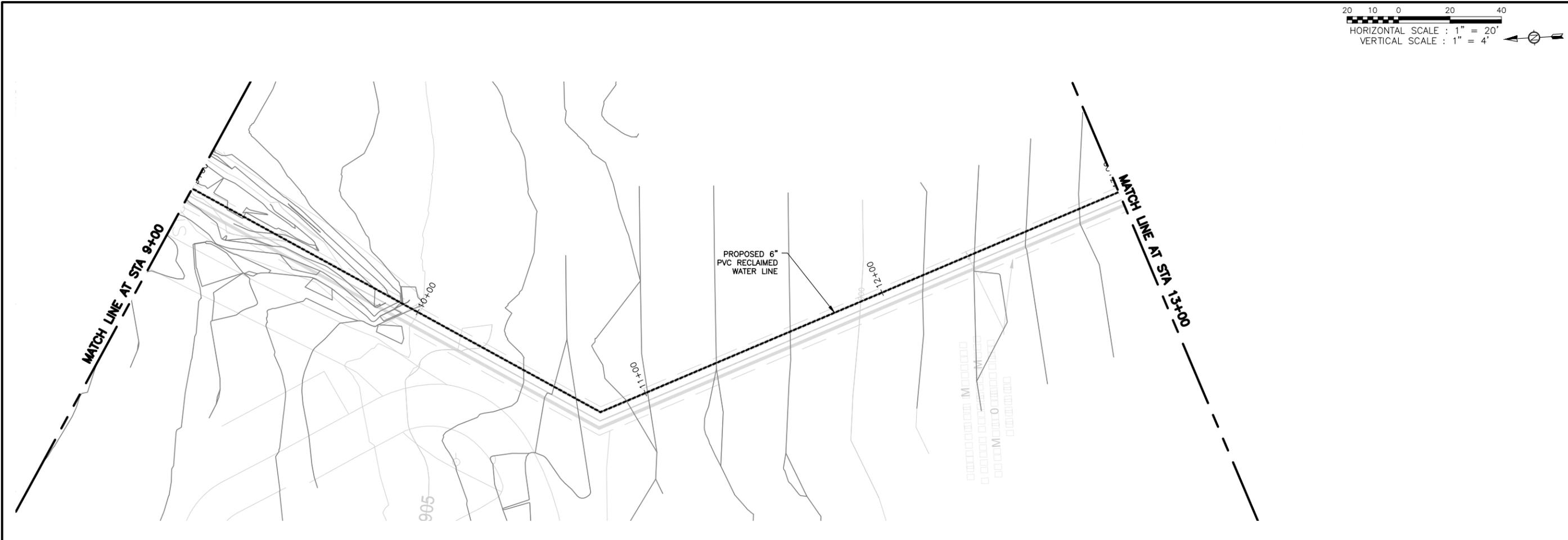
STATE OF TEXAS
 LICENSED PROFESSIONAL ENGINEER
 STEPHEN J. COONAN
 65516
 12/15/16

BAR IS ONE INCH ON ORIGINAL DRAWING.
 ONE INCH
 DESIGNED C. SYVARTH
 DRAWN B. DICKMAN
 CHECKED D. FRANKI
 REVIEWED S. COONAN
 Seq. of
 Dwg. No. **C-115**
 1732-002-01



GRINDER PUMP DETAIL
 NOT TO SCALE

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20 10 0 20 40
 HORIZONTAL SCALE : 1" = 20'
 VERTICAL SCALE : 1" = 4'

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 ENVIRONMENTAL ENGINEERS AND SCIENTISTS
 6300 L.A. CALMA DRIVE, SUITE 400
 AUSTIN, TEXAS 78752-3843
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 TEXAS REGISTERED ENGINEERING FIRM F-13

NO.	DATE	REVISION	BY

CITY OF WIMBERLEY
 WASTEWATER TREATMENT PLANT AND COLLECTION SYSTEM PROJECT
 RECLAIMED WATERLINE PLANS
 RW LN A STA 9+00 TO STA 17+00

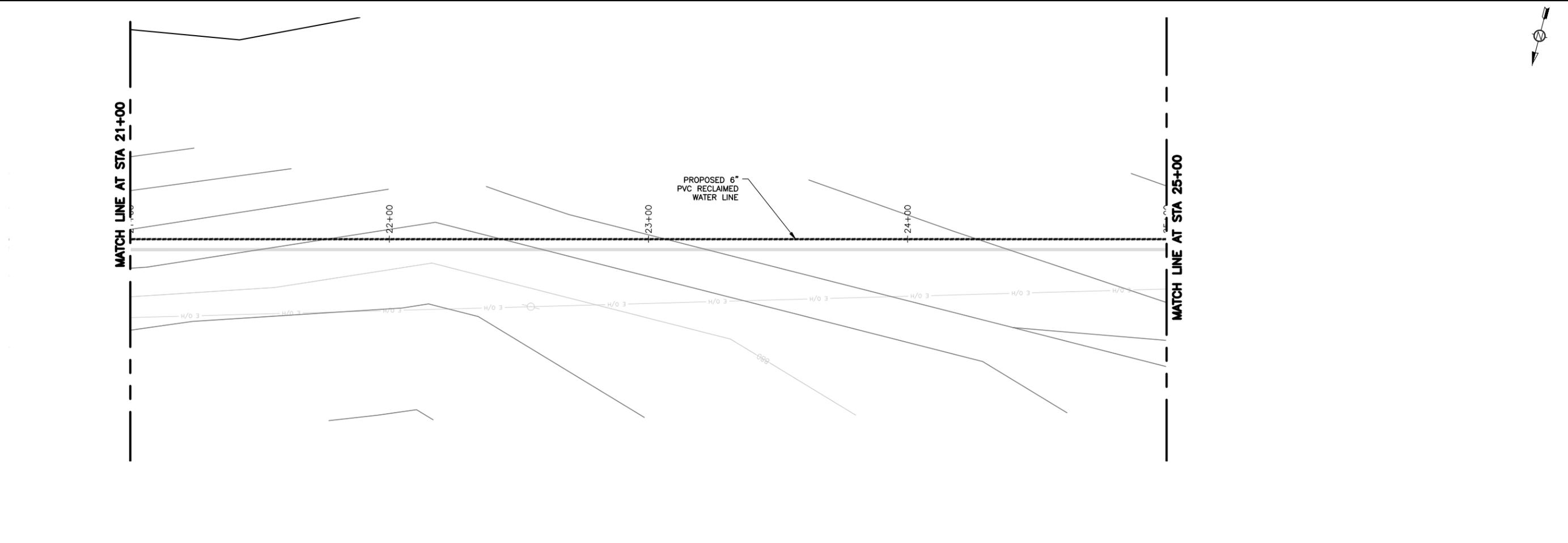
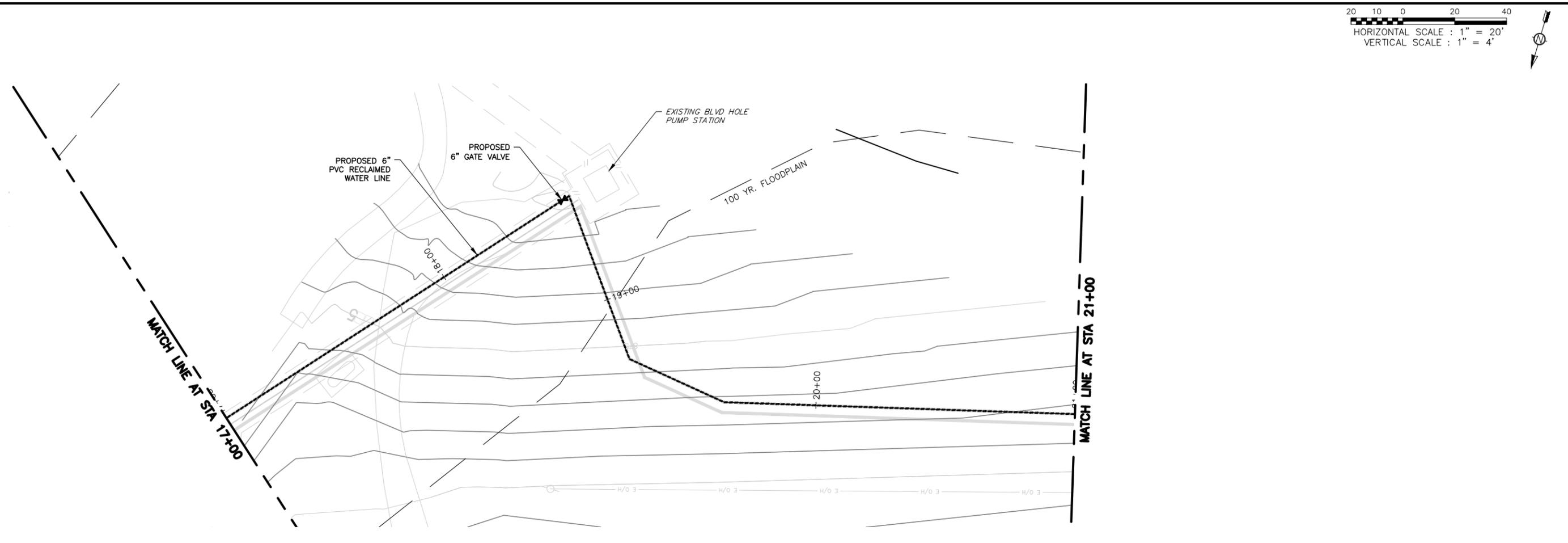
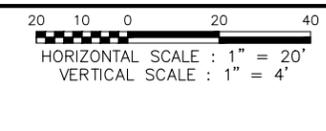
STATE OF TEXAS
 REGISTERED PROFESSIONAL ENGINEER
 STEPHEN J. COONAN
 65516
 12/15/16

BAR IS ONE INCH ON ORIGINAL DRAWING.
 ONE INCH

DESIGNED C. SYVARTH
 DRAWN B. DICKMAN
 CHECKED H. FRELS
 REVIEWED S. COONAN

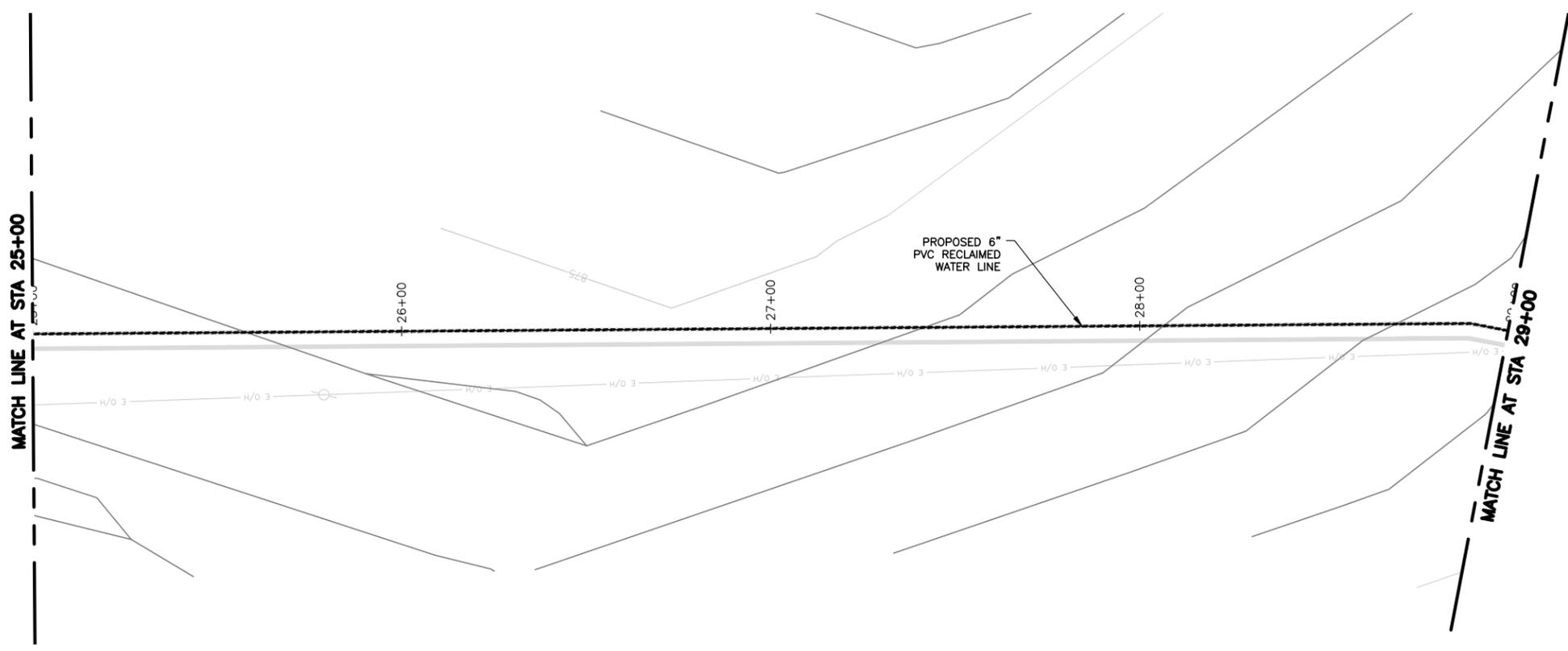
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C-303

1732-002-01

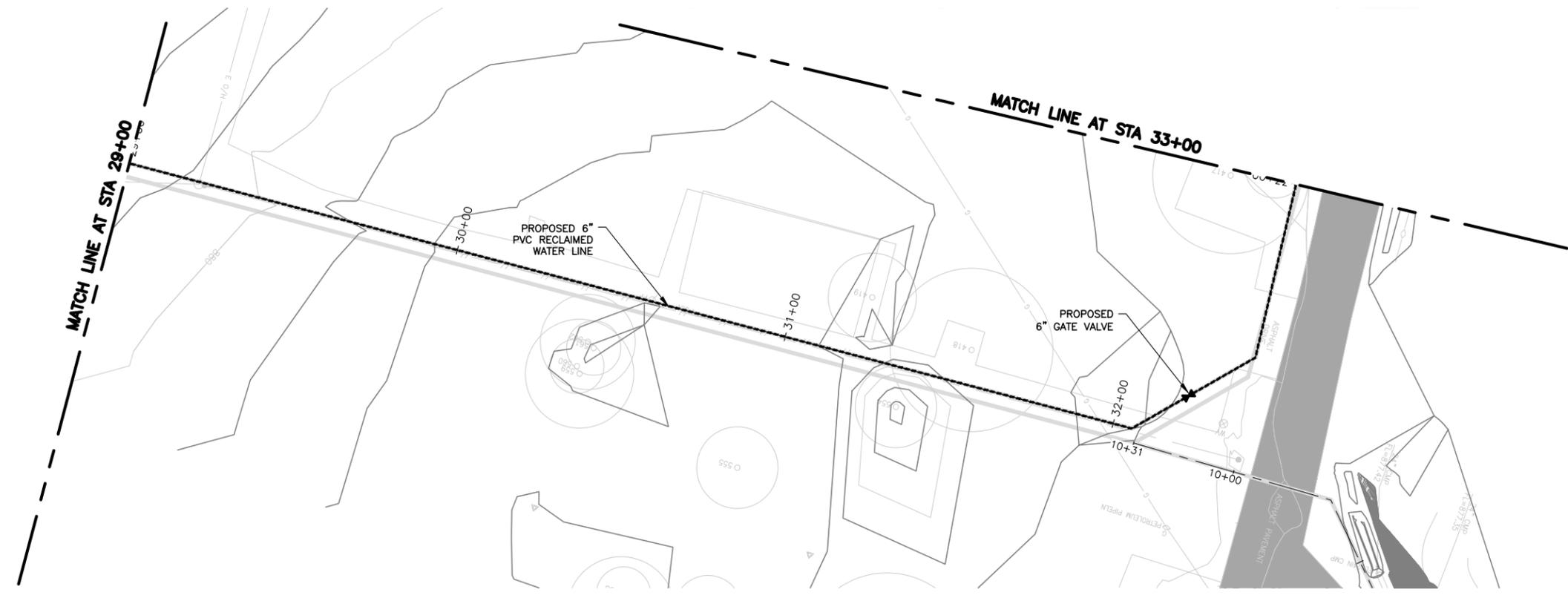


		ALAN PLUMMER ASSOCIATES, INC. ENVIRONMENTAL ENGINEERS AND SCIENTISTS 6300 L. CALMA DRIVE, SUITE 400 AUSTIN, TEXAS 78752-3843 PHONE: 512-452-5905 FAX: 512-452-2325 TEXAS REGISTERED ENGINEERING FIRM F-13	
CITY OF WIMBERLEY WASTEWATER TREATMENT PLANT AND COLLECTION SYSTEM PROJECT RECLAIMED WATERLINE PLANS RW LN A STA 17+00 TO STA 25+00		NO. DATE REVISION BY CITY OF WIMBERLEY 221 Stillwater Wimberley, TX 78676	
BAR IS ONE INCH ON ORIGINAL DRAWING. ONE INCH			
DESIGNED <u>C. SYVARTH</u> DRAWN <u>B. DICKMAN</u> CHECKED <u>H. FRELS</u> REVIEWED <u>S. COONAN</u>			
Seq. of C-304			
Dwg. No. C-304 1732-002-01			

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20 10 0 20 40
 HORIZONTAL SCALE : 1" = 20'
 VERTICAL SCALE : 1" = 4'



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 ENVIRONMENTAL ENGINEERS AND SCIENTISTS
 6300 L.A. CALMA DRIVE, SUITE 400
 AUSTIN, TEXAS 78752-3843
 PHONE: 512-452-5905 FAX: 512-452-2325
 TEXAS REGISTERED ENGINEERING FIRM F-13

NO.	DATE	REVISION	BY

CITY OF WIMBERLEY
 221 Stillwater
 Wimberley, TX 78676

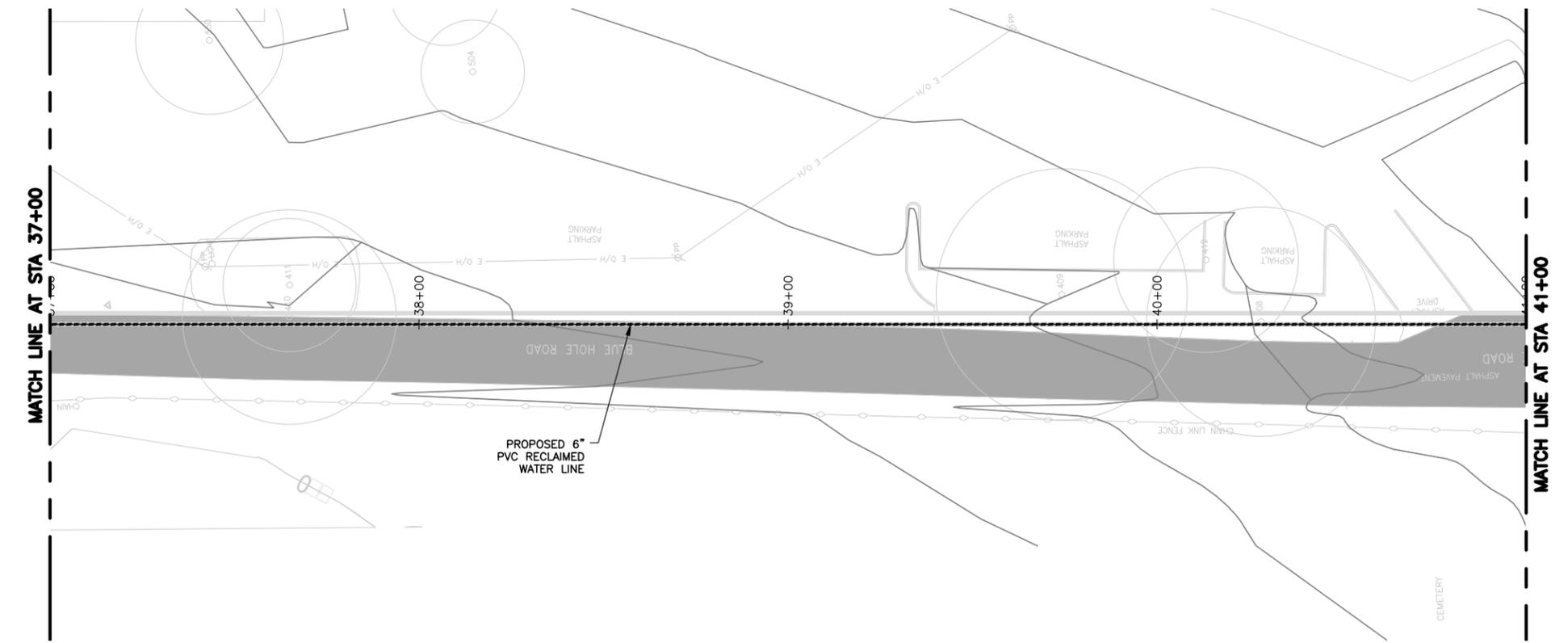
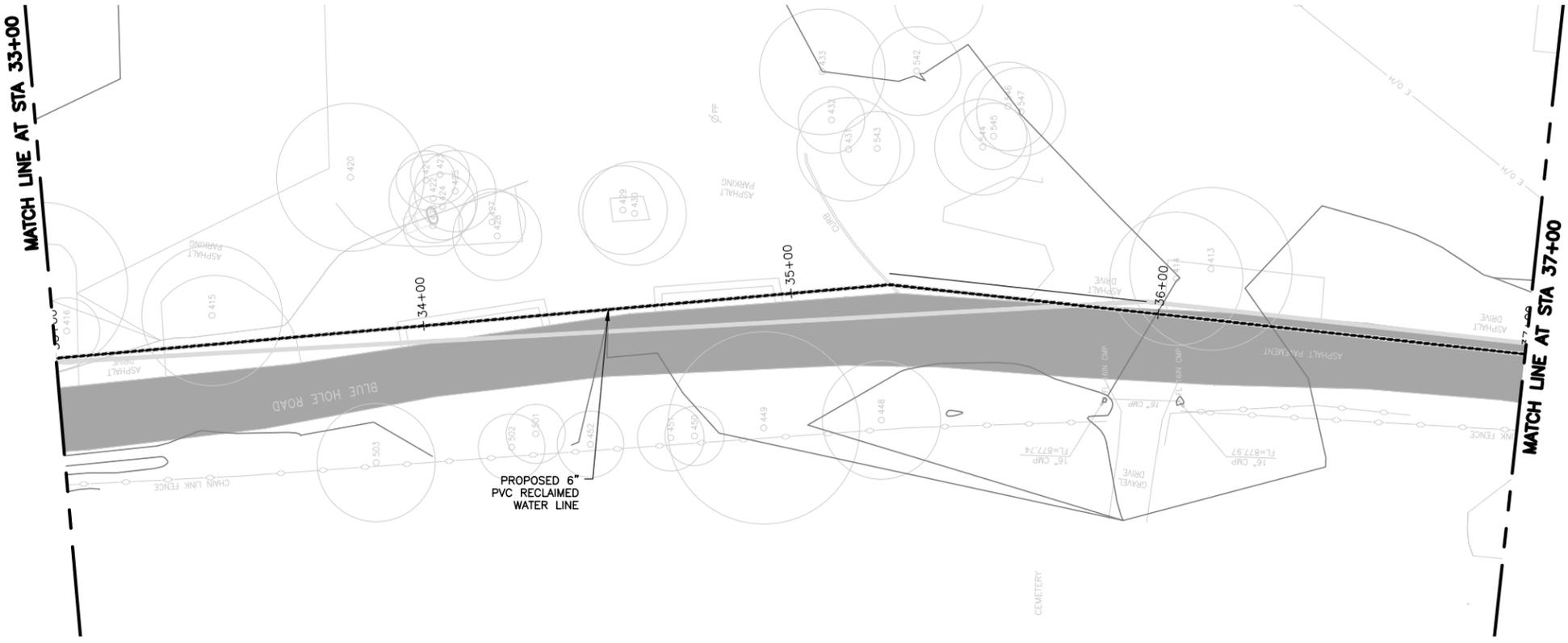
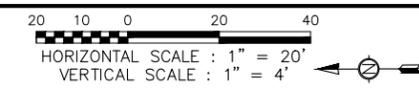
CITY OF WIMBERLEY
 WASTEWATER TREATMENT PLANT AND COLLECTION SYSTEM PROJECT
 RECLAIMED WATERLINE PLANS
 RW LN A STA 25+00 TO STA 33+00

STATE OF TEXAS
 LICENSED PROFESSIONAL ENGINEER
 65516
 12/15/16
 Stephen J. Coonan

BAR IS ONE INCH ON ORIGINAL DRAWING.
 ONE INCH

DESIGNED C. SYVARTH
 DRAWN B. DICKMAN
 CHECKED H. FRELS
 REVIEWED S. COONAN

Seq. of
 Dwg. No. **C-305**
 1732-002-01



ALAN PLUMMER ASSOCIATES, INC.
 ENVIRONMENTAL ENGINEERS AND SCIENTISTS
 6300 L.A. CALMA DRIVE, SUITE 400
 AUSTIN, TEXAS 78752-3843
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 TEXAS REGISTERED ENGINEERING FIRM F-13

NO.	DATE	REVISION	BY

CITY OF WIMBERLEY
 221 Stillwater
 Wimberley, TX 78676

CITY OF WIMBERLEY
 WASTEWATER TREATMENT PLANT AND COLLECTION SYSTEM PROJECT
 RECLAIMED WATERLINE PLANS
 RW LN A STA 33+00 TO STA. 41+00

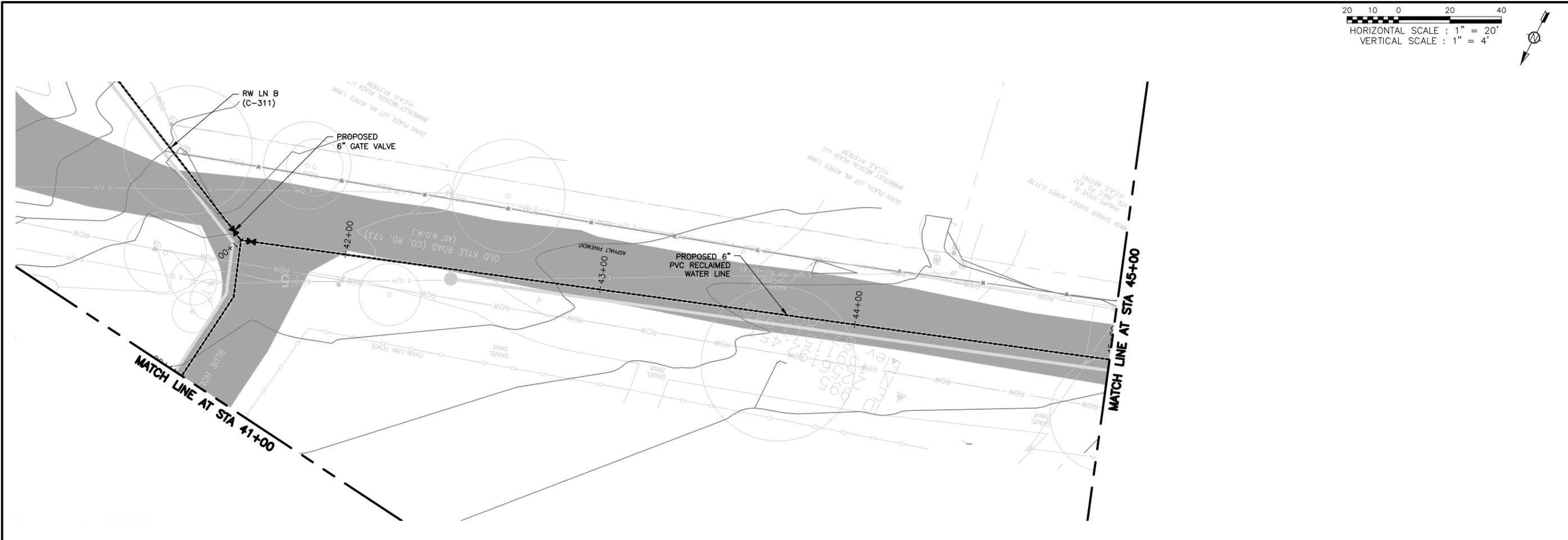
STATE OF TEXAS
 REGISTERED PROFESSIONAL ENGINEER
 STEPHEN J. COONAN
 65516
 12/15/16

BAR IS ONE INCH ON ORIGINAL DRAWING.
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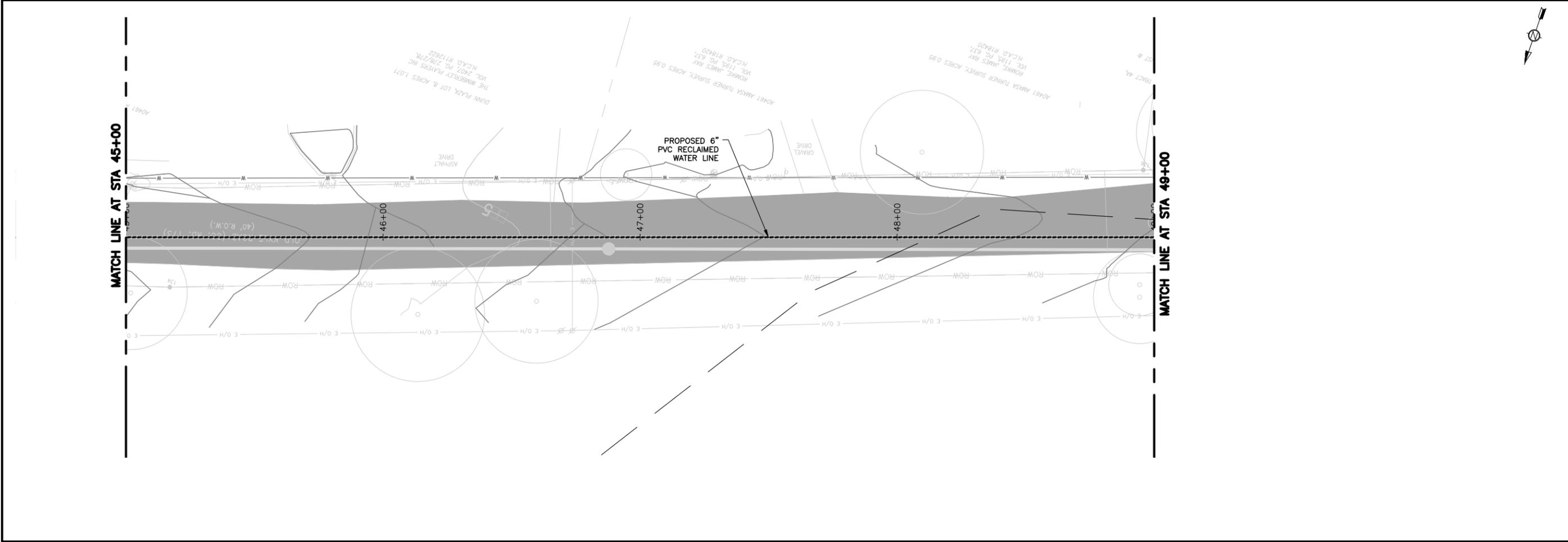
DESIGNED C. SYVARTH
 DRAWN B. DICKMAN
 CHECKED H. FRELS
 REVIEWED S. COONAN

Seq. of
C-306

Dwg. No. **C-306**
 1732-002-01



20 10 0 20 40
 HORIZONTAL SCALE : 1" = 20'
 VERTICAL SCALE : 1" = 4'



ALAN PLUMMER ASSOCIATES, INC.
 ENVIRONMENTAL ENGINEERS AND SCIENTISTS
 6300 L. CALMA DRIVE, SUITE 400
 AUSTIN, TEXAS 78752-3843
 PHONE: 512-452-5905 FAX: 512-452-2325
 TEXAS REGISTERED ENGINEERING FIRM F-13

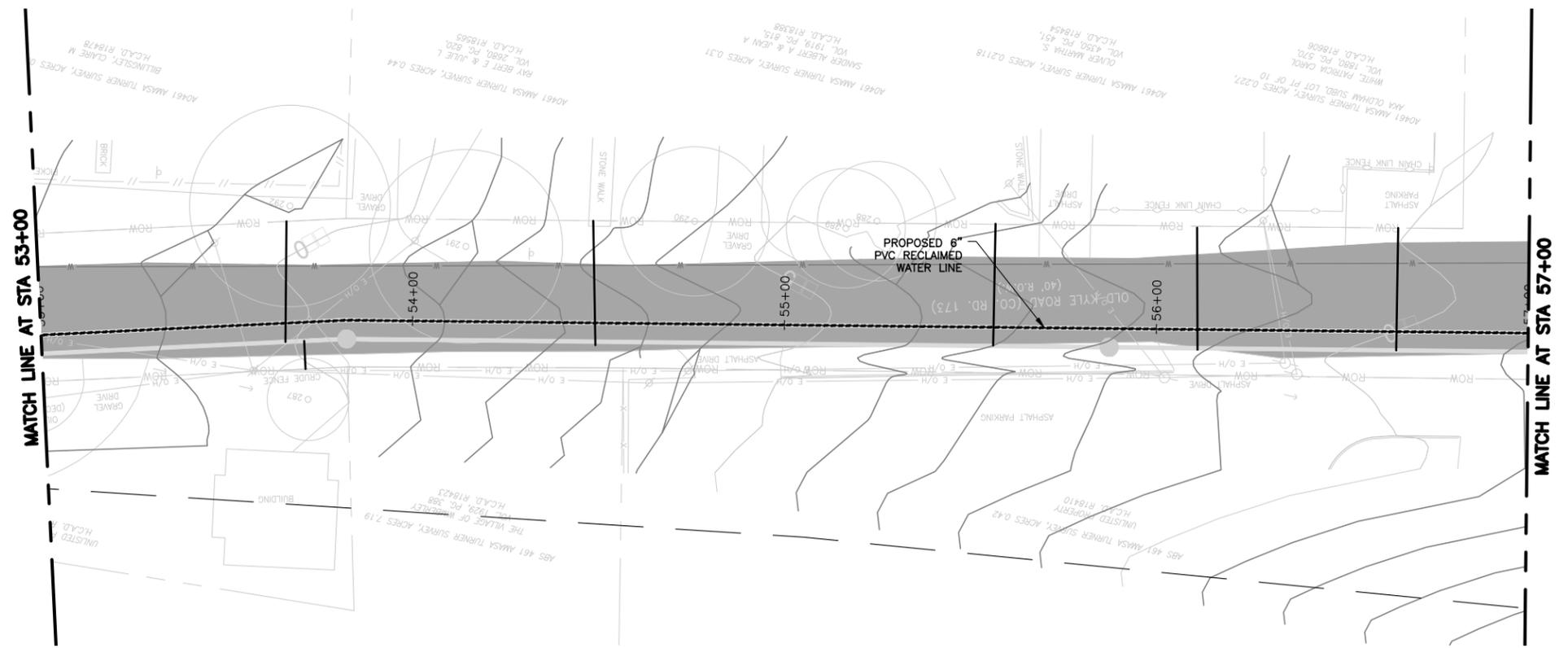
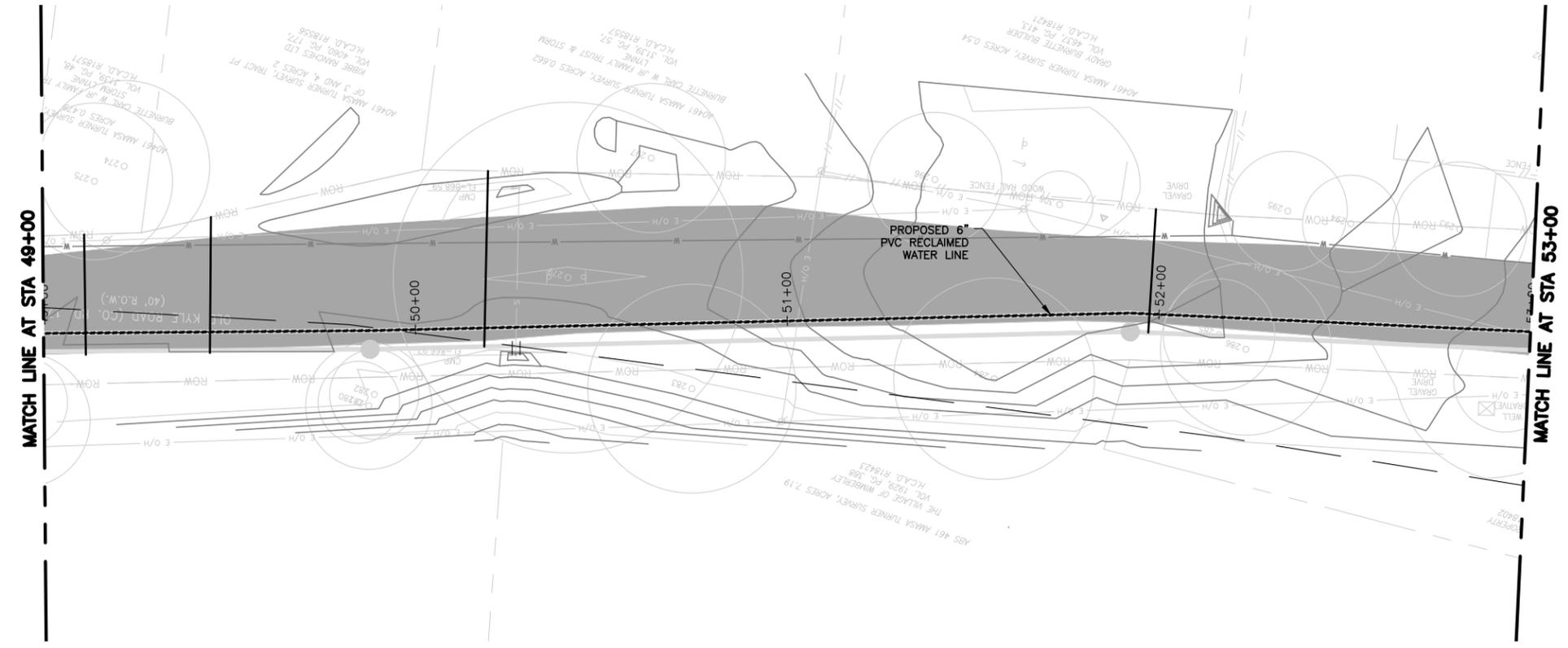
NO.	DATE	REVISION	BY

CITY OF WIMBERLEY
 WASTEWATER TREATMENT PLANT AND COLLECTION SYSTEM PROJECT
 RECLAIMED WATERLINE PLANS
 RW LN A STA 41+00 TO STA 49+00
 WIMBERLEY, TX 78676

STATE OF TEXAS
 LICENSED PROFESSIONAL ENGINEER
 STEPHEN J. COONAN
 65516
 12/15/16

BAR IS ONE INCH ON ORIGINAL DRAWING.
 ONE INCH
 DESIGNED C. SYVARTH
 DRAWN B. DICKMAN
 CHECKED H. FRELS
 REVIEWED S. COONAN
 Seq. of
 Dwg. No. **C-307**
 1732-002-01

20 10 0 20 40
 HORIZONTAL SCALE : 1" = 20'
 VERTICAL SCALE : 1" = 4'



ALAN PLUMMER ASSOCIATES, INC.
 ENVIRONMENTAL ENGINEERS AND SCIENTISTS
 63001 A. CALMA DRIVE, SUITE 400
 AUSTIN, TEXAS 78752-3843
 PHONE: 512-452-5905 - FAX: 512-452-2325
 TEXAS REGISTERED ENGINEERING FIRM F-13

NO.	DATE	REVISION	BY

CITY OF WIMBERLEY
 221 Stillwater
 Wimberley, TX 78676

CITY OF WIMBERLEY
 WASTEWATER TREATMENT PLANT AND COLLECTION SYSTEM PROJECT
 RECLAIMED WATERLINE PLANS
 RW LN A STA 49+00 TO STA 57+00

STATE OF TEXAS
 LICENSED PROFESSIONAL ENGINEER
 65516
 Stephen J. Coonan
 12/15/16

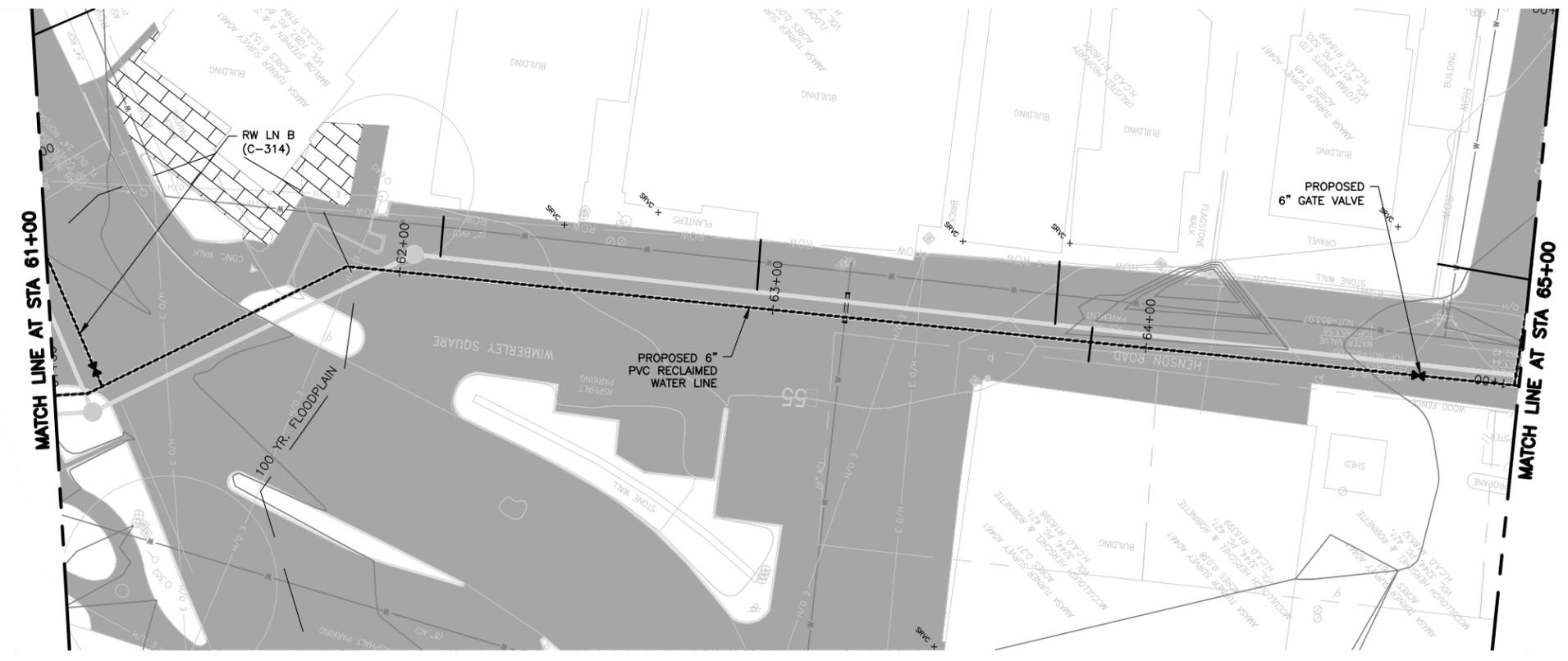
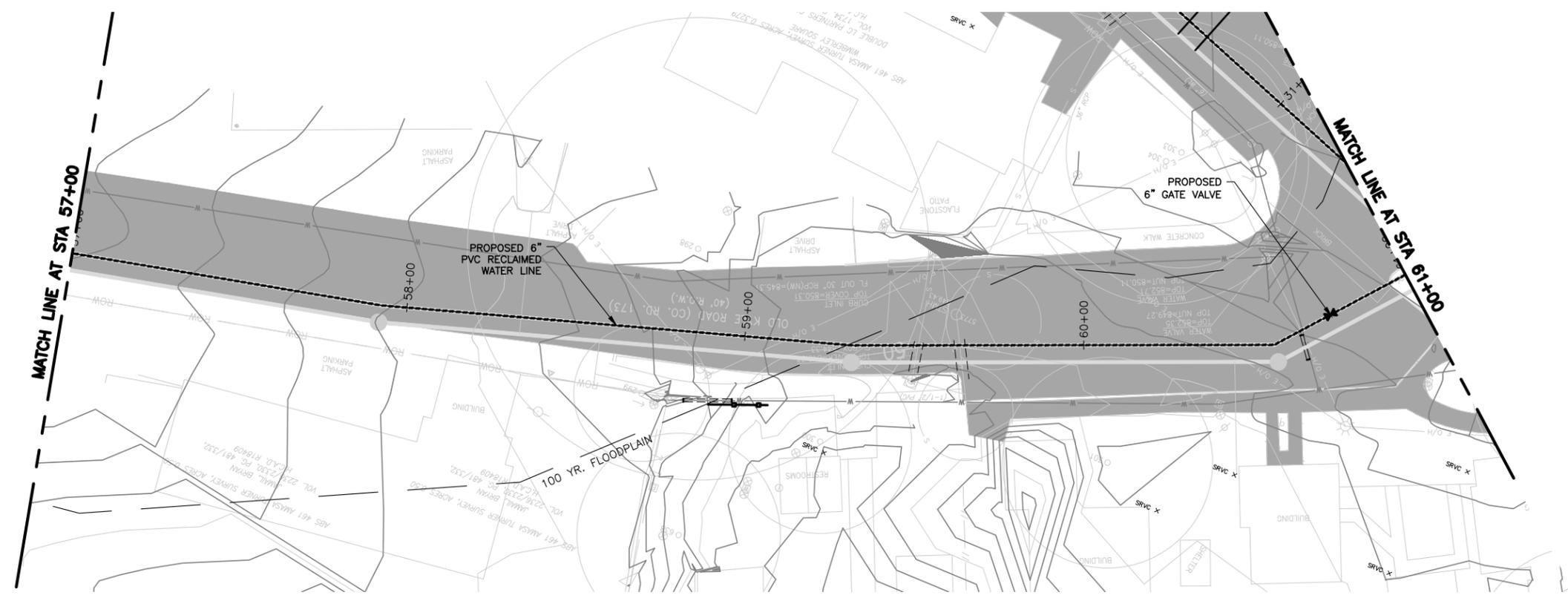
BAR IS ONE INCH ON ORIGINAL DRAWING.
 ONE INCH

DESIGNED C. SYVARTH
 DRAWN B. DICKMAN
 CHECKED H. FRELS
 REVIEWED S. COONAN

Seq. of
 Dwg. No. **C-308**

1732-002-01

20 10 0 20 40
 HORIZONTAL SCALE : 1" = 20'
 VERTICAL SCALE : 1" = 4'



ALAN PLUMMER ASSOCIATES, INC.
 ENVIRONMENTAL ENGINEERS AND SCIENTISTS
 6300 L. CALMA DRIVE, SUITE 400
 AUSTIN, TEXAS 78752-3843
 PHONE: 512-452-5905 FAX: 512-452-2325
 TEXAS REGISTERED ENGINEERING FIRM F-13

NO.	DATE	REVISION	BY

CITY OF WIMBERLEY
 221 Stillwater
 Wimberley, TX 78676

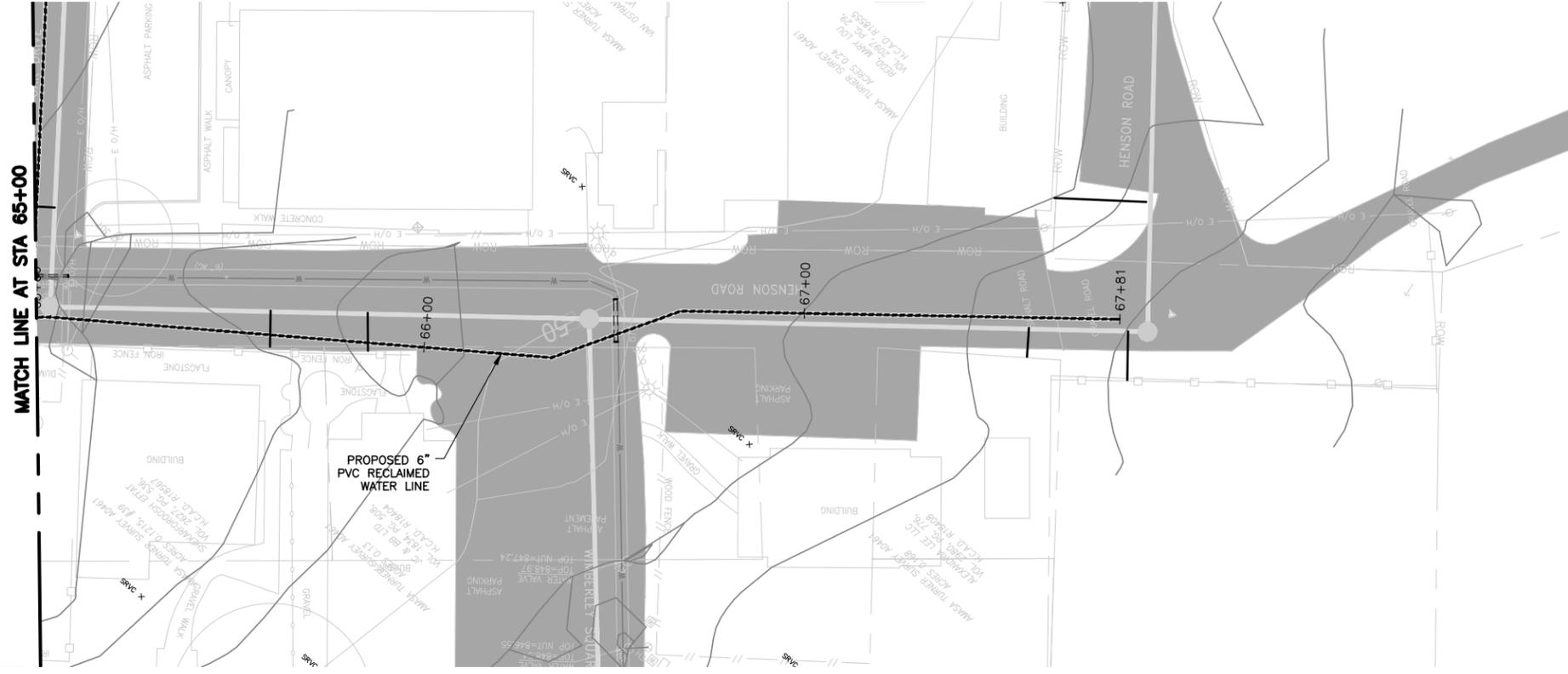
CITY OF WIMBERLEY
 WASTEWATER TREATMENT PLANT AND COLLECTION SYSTEM PROJECT
 RECLAIMED WATERLINE PLANS
 RW LN A STA 57+00 TO STA 65+00

STATE OF TEXAS
 LICENSED PROFESSIONAL ENGINEER
 65516
 STEPHEN J. COONAN
 12/15/16

BAR IS ONE INCH ON ORIGINAL DRAWING.
 ONE INCH

DESIGNED C. SYVARTH
 DRAWN B. DICKMAN
 CHECKED H. FRELS
 REVIEWED S. COONAN

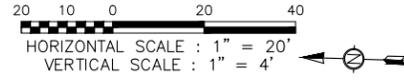
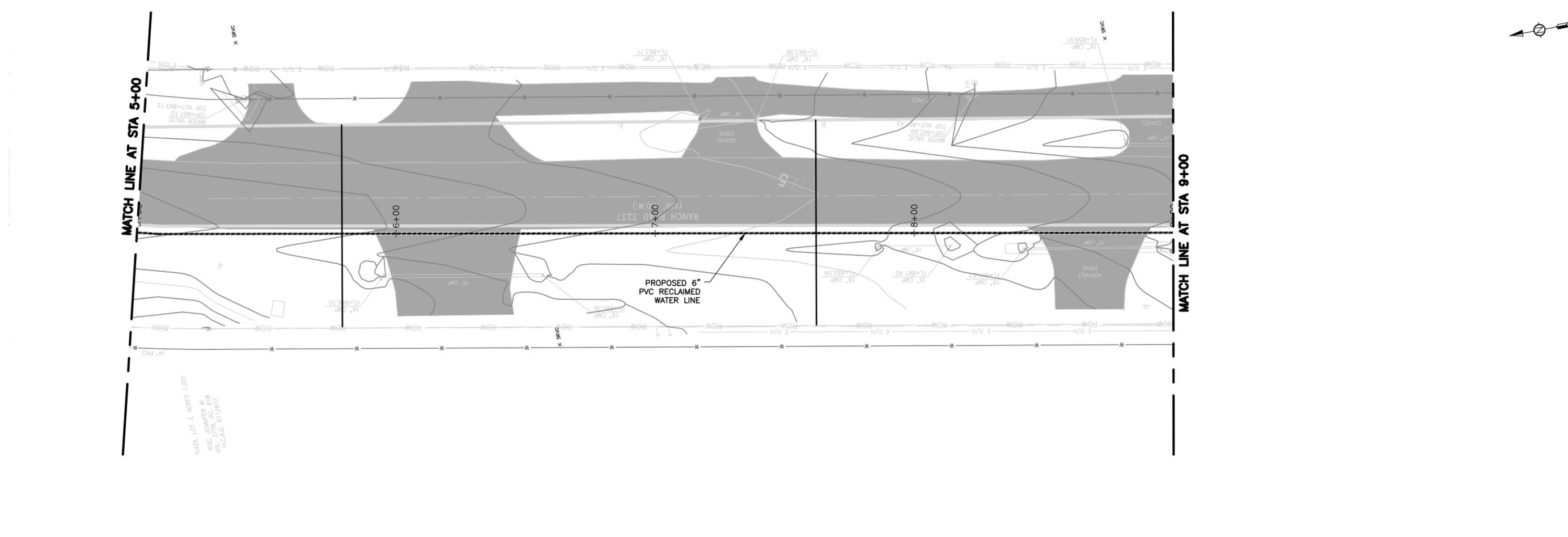
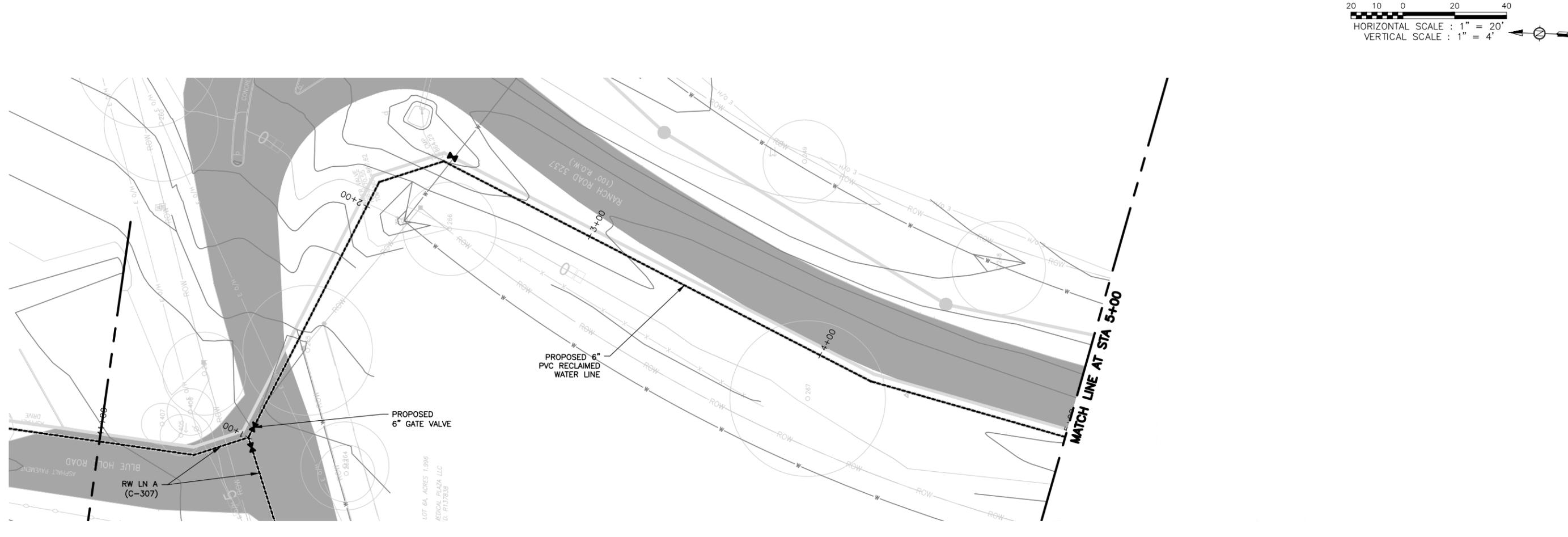
Seq. of
 Dwg. No. **C-309**
 1732-002-01



20 10 0 20 40
 HORIZONTAL SCALE : 1" = 20'
 VERTICAL SCALE : 1" = 4'



CITY OF WIMBERLEY WASTEWATER TREATMENT PLANT AND COLLECTION SYSTEM PROJECT RECLAIMED WATERLINE PLANS RW LN A STA 65+00 TO STA 67+81	CITY OF WIMBERLEY 221 Stillwater Wimberley, TX 78676		BAR IS ONE INCH ON ORIGINAL DRAWING. ONE INCH DESIGNED <u>C. SYVARTH</u> DRAWN <u>B. DICKMAN</u> CHECKED <u>H. FRELS</u> REVIEWED <u>S. COONAN</u>
NO. DATE REVISION BY		ENVIRONMENTAL ALAN PLUMMER ASSOCIATES, INC. ENGINEERS AND SCIENTISTS 63001 A. CALMA DRIVE, SUITE 400 AUSTIN, TEXAS 78752-3843 PHONE: 512-452-5905 FAX: 512-452-2325 TEXAS REGISTERED ENGINEERING FIRM F-13	
MATCH LINE AT STA 65+00		MATCH LINE AT STA 67+81	
Dwg. No. C-310		PRINTED: 12/14/2016 6:55 PM W:\Projects\1732\002-01\Acad\SHEETFILES\C-310 RW LN A.dwg SAVED: 9/15/2016 6:15 PM USER: Dickman, Brian	



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 TEXAS REGISTERED ENGINEERING FIRM F-13

NO.	DATE	REVISION	BY

CITY OF WIMBERLEY
 221 Stillwater
 Wimberley, TX 78676

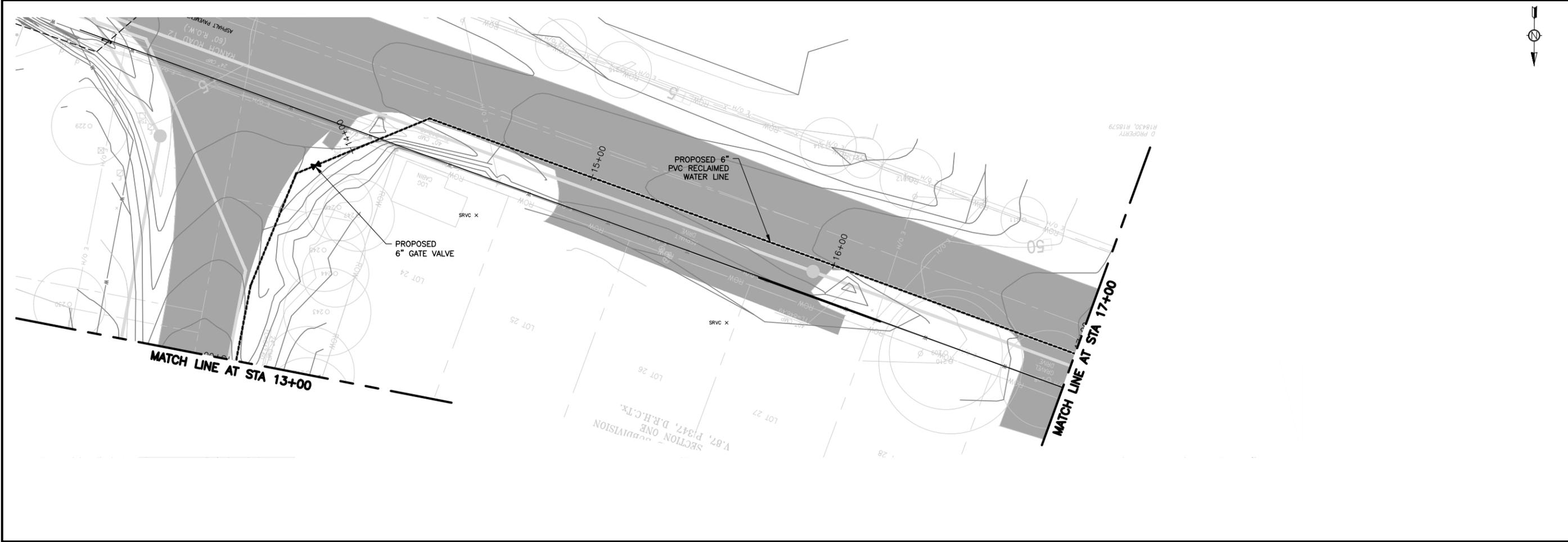
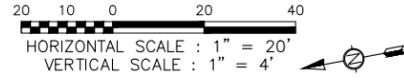
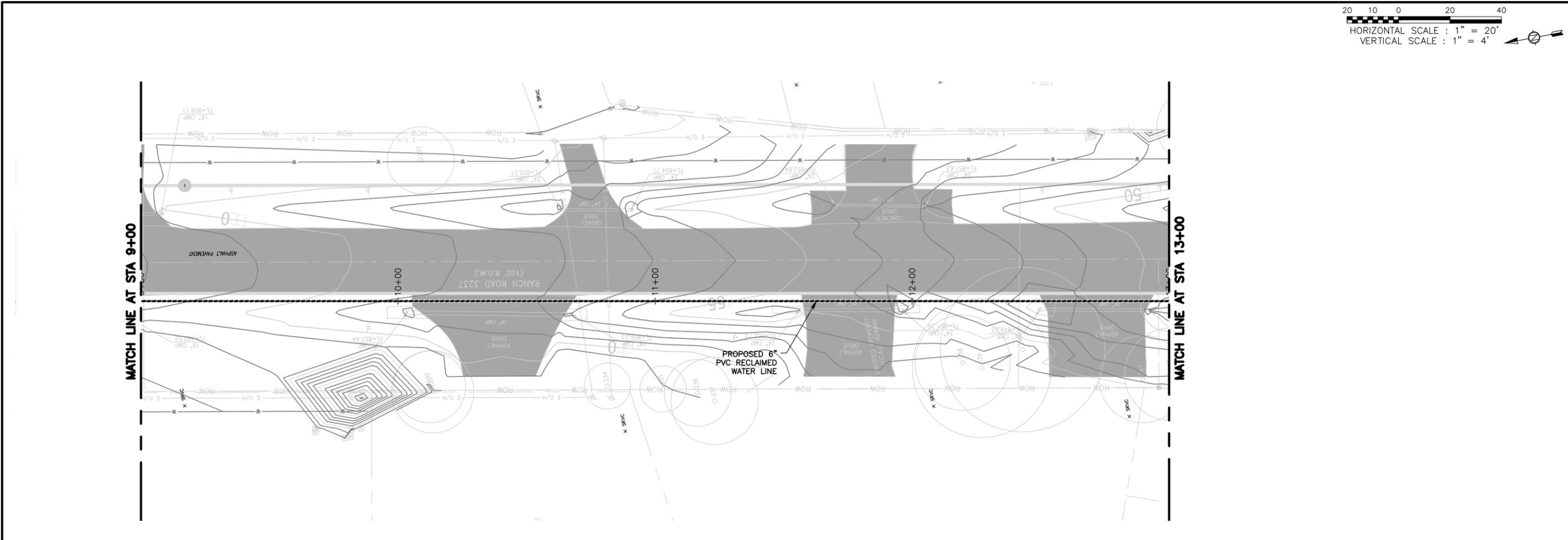
CITY OF WIMBERLEY
 WASTEWATER TREATMENT PLANT AND COLLECTION SYSTEM PROJECT
 RECLAIMED WATERLINE PLANS
 RW-LN B STA 1+00 TO STA 9+00

STATE OF TEXAS
 LICENSED PROFESSIONAL ENGINEER
 65516
 STEPHEN J. COONAN
 12/15/16

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 DRAWN B. DICKMAN
 CHECKED H. FRELS
 REVIEWED S. COONAN

Seq. of
 Dwg. No. **C-311**
 1732-002-01



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 ENVIRONMENTAL ENGINEERS AND SCIENTISTS
 6300 L. CALMA DRIVE, SUITE 400
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 PHONE: 512-452-5905 FAX: 512-452-2325
 TEXAS REGISTERED ENGINEERING FIRM F-13

NO.	DATE	REVISION	BY

CITY OF WIMBERLEY
 221 Stillwater
 Wimberley, TX 78676

CITY OF WIMBERLEY
 WASTEWATER TREATMENT PLANT AND COLLECTION SYSTEM PROJECT
 RECLAIMED WATERLINE PLANS
 RW-LN B STA 9+00 TO STA 17+00

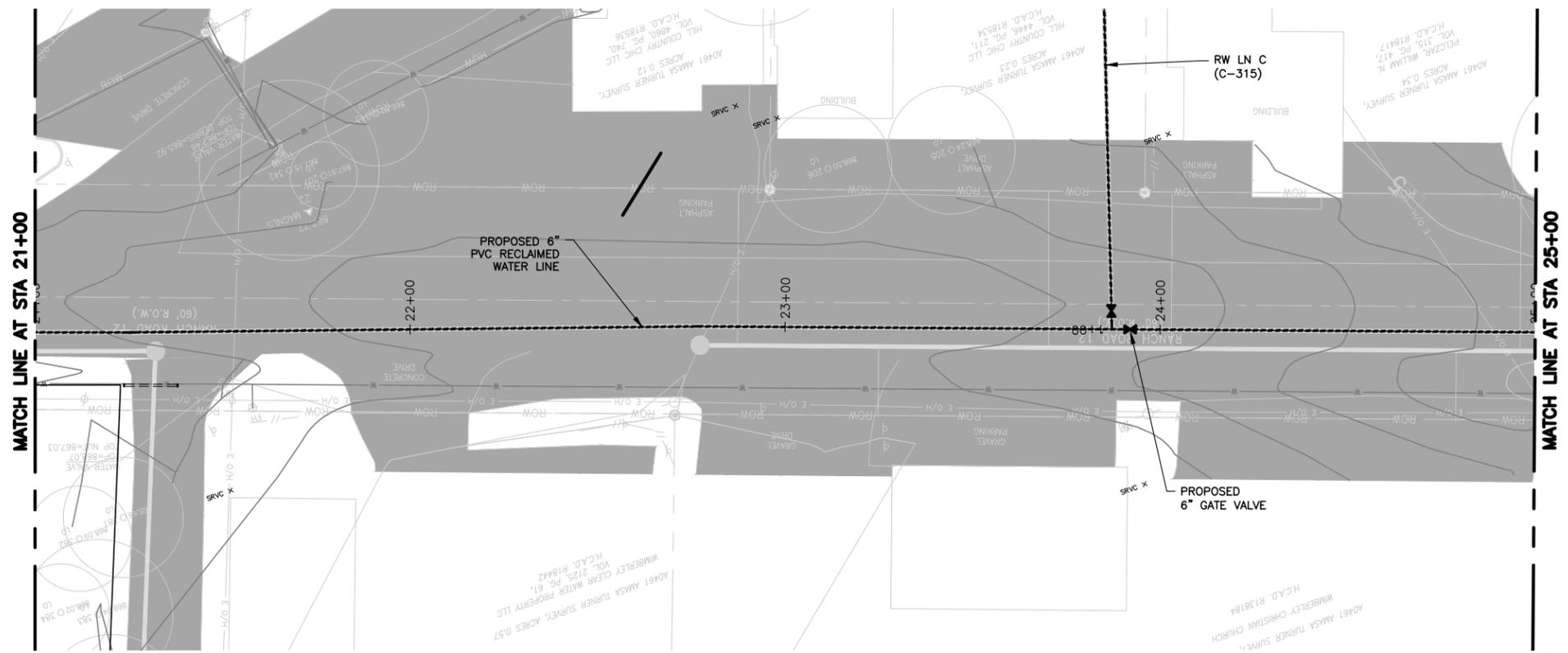
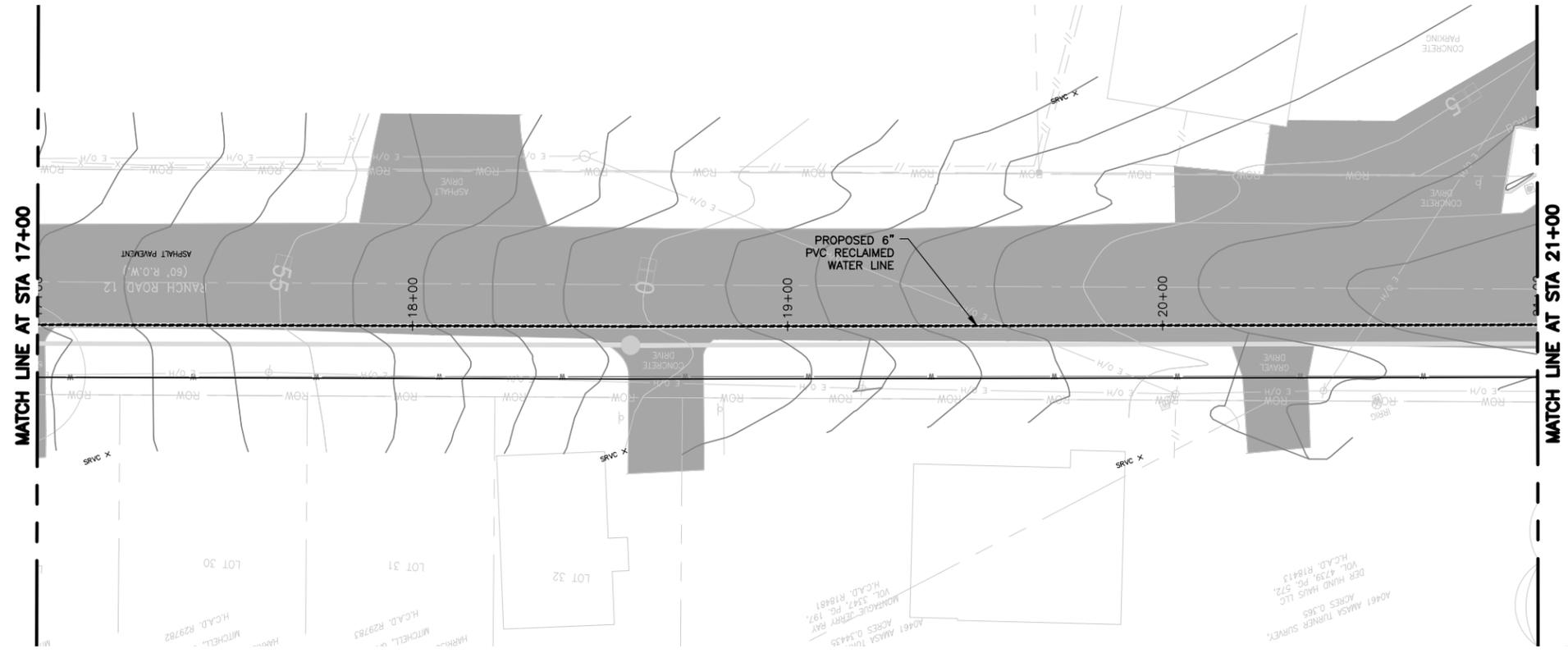
STATE OF TEXAS
 LICENSED PROFESSIONAL ENGINEER
 STEPHEN J. COONAN
 65516
 12/15/16

BAR IS ONE INCH ON ORIGINAL DRAWING.
 ONE INCH

DESIGNED C. SYVARTH
 DRAWN B. DICKMAN
 CHECKED H. FRELS
 REVIEWED S. COONAN

Seq. of
 Dwg. No. **C-312**
 1732-002-01

20 10 0 20 40
 HORIZONTAL SCALE : 1" = 20'
 VERTICAL SCALE : 1" = 4'



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 ASSOCIATES, INC.**
 ENVIRONMENTAL
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 TEXAS REGISTERED ENGINEERING FIRM F-13

NO.	DATE	REVISION	BY

CITY OF WIMBERLEY
 221 Stillwater
 Wimberley, TX 78676

CITY OF WIMBERLEY
 WASTEWATER TREATMENT PLANT AND
 COLLECTION SYSTEM PROJECT
 RECLAIMED WATERLINE PLANS
 RW-LN B STA 17+00 TO STA 25+00

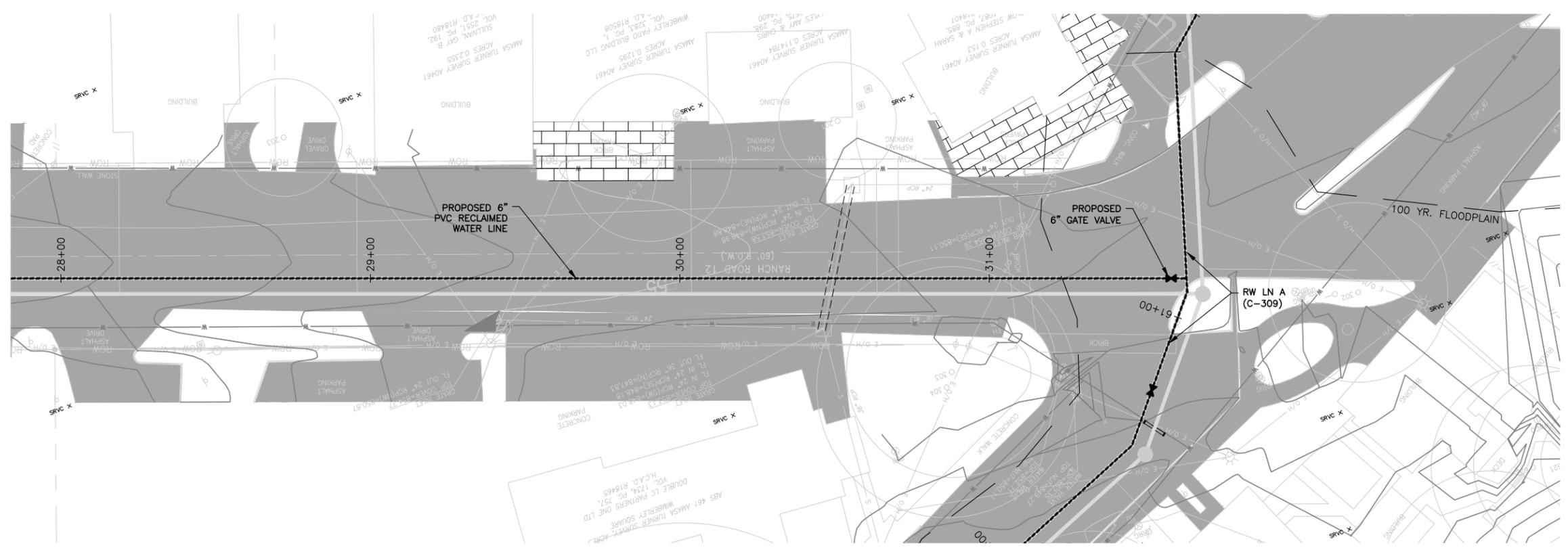
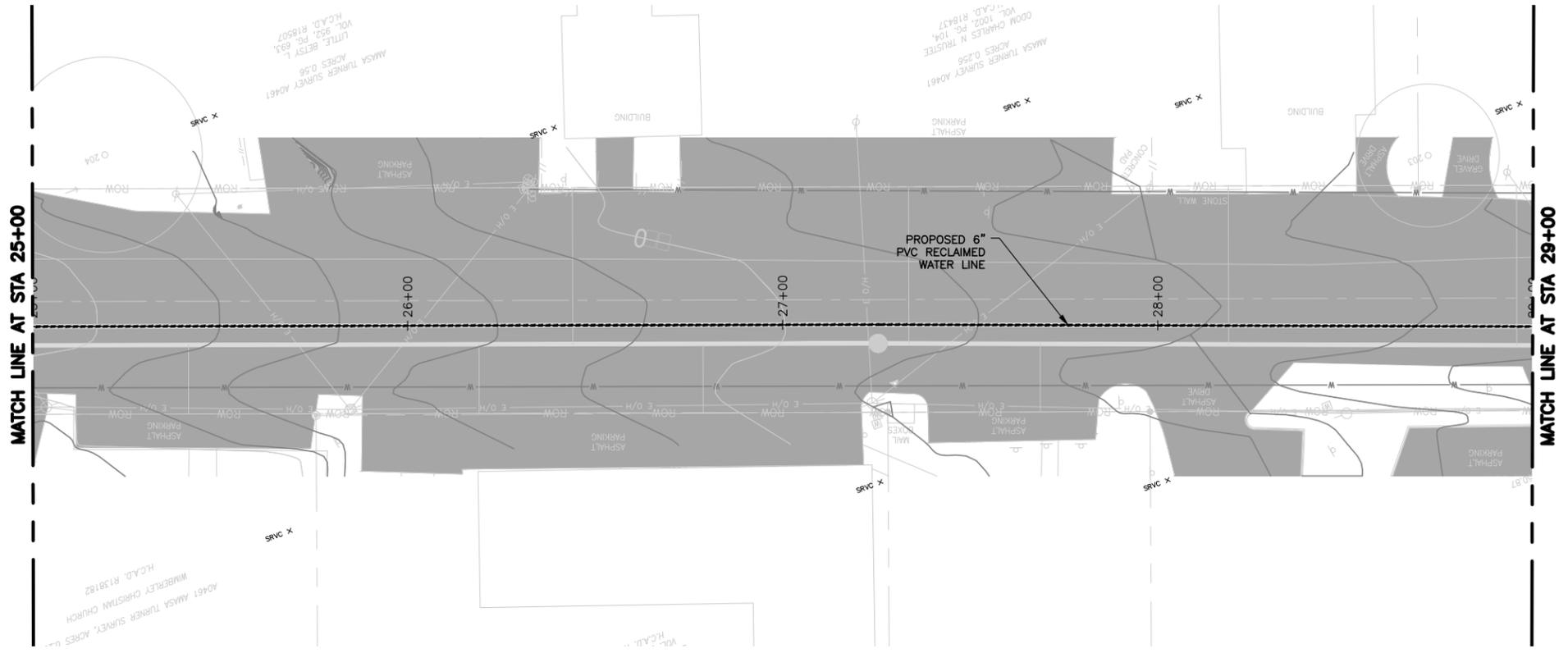


BAR IS ONE INCH ON ORIGINAL DRAWING.
 ONE INCH

DESIGNED C. SYVARTH
 DRAWN B. DICKMAN
 CHECKED H. FRELS
 REVIEWED S. COONAN

Seq. of
 Dwg. No. **C-313**
 1732-002-01

20 10 0 20 40
 HORIZONTAL SCALE : 1" = 20'
 VERTICAL SCALE : 1" = 4'



ALAN PLUMMER ASSOCIATES, INC.
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 PHONE: 512-452-5905 FAX: 512-452-2325
 TEXAS REGISTERED ENGINEERING FIRM F-13

NO.	DATE	REVISION	BY

CITY OF WIMBERLEY
 221 Stillwater
 Wimberley, TX 78676

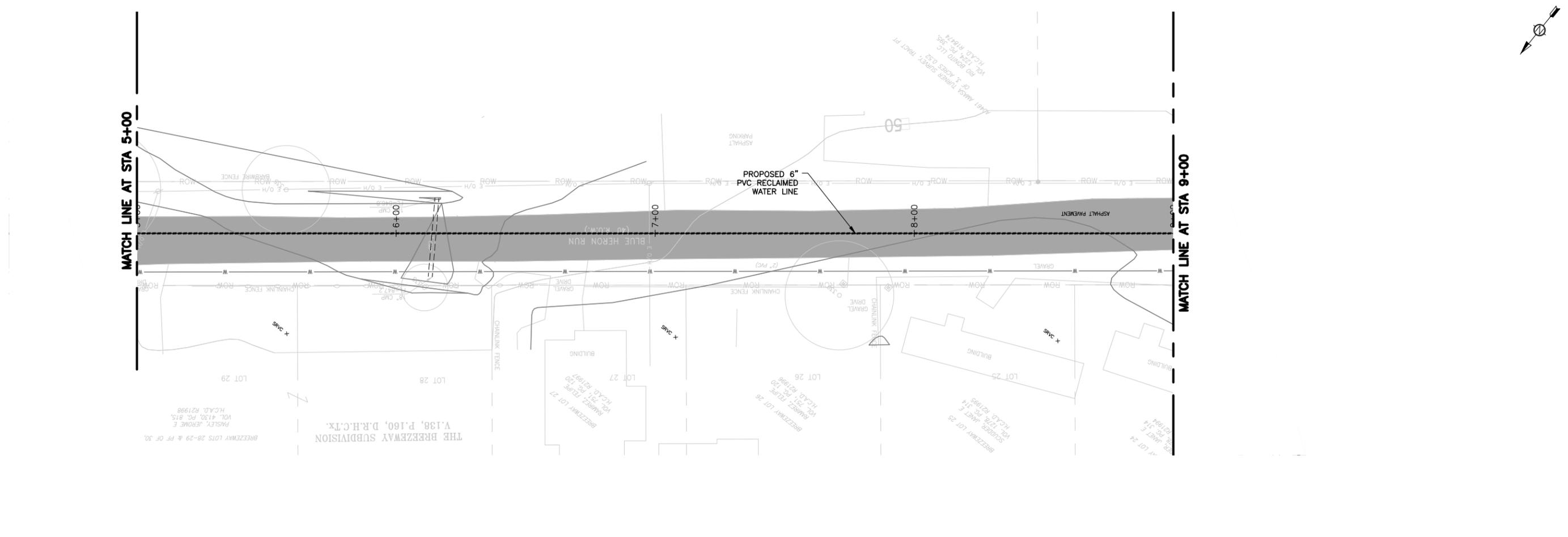
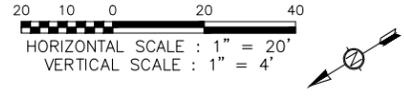
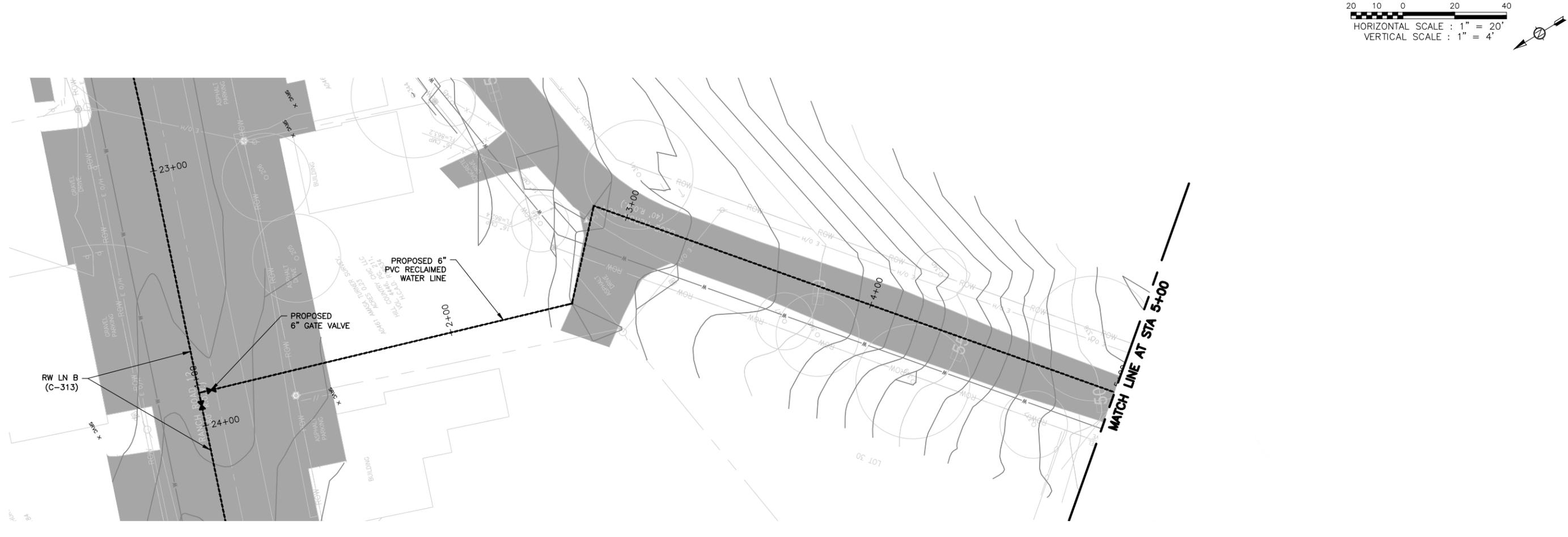
CITY OF WIMBERLEY
 WASTEWATER TREATMENT PLANT AND COLLECTION SYSTEM PROJECT
 RECLAIMED WATERLINE PLANS
 RW-LN B STA 25+00 TO STA 31+63



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 ONE INCH

DESIGNED C. SYVARTH
 DRAWN B. DICKMAN
 CHECKED H. FRELS
 REVIEWED S. COONAN

Seq. of
 Dwg. No. **C-314**
 1732-002-01



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 TEXAS REGISTERED ENGINEERING FIRM F-13

NO.	DATE	REVISION	BY

CITY OF WIMBERLEY
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 Wimberley, TX 78676

CITY OF WIMBERLEY
 WASTEWATER TREATMENT PLANT AND COLLECTION SYSTEM PROJECT
 RECLAIMED WATERLINE PLANS
 RW-LN C STA 1+00 TO STA 9+00

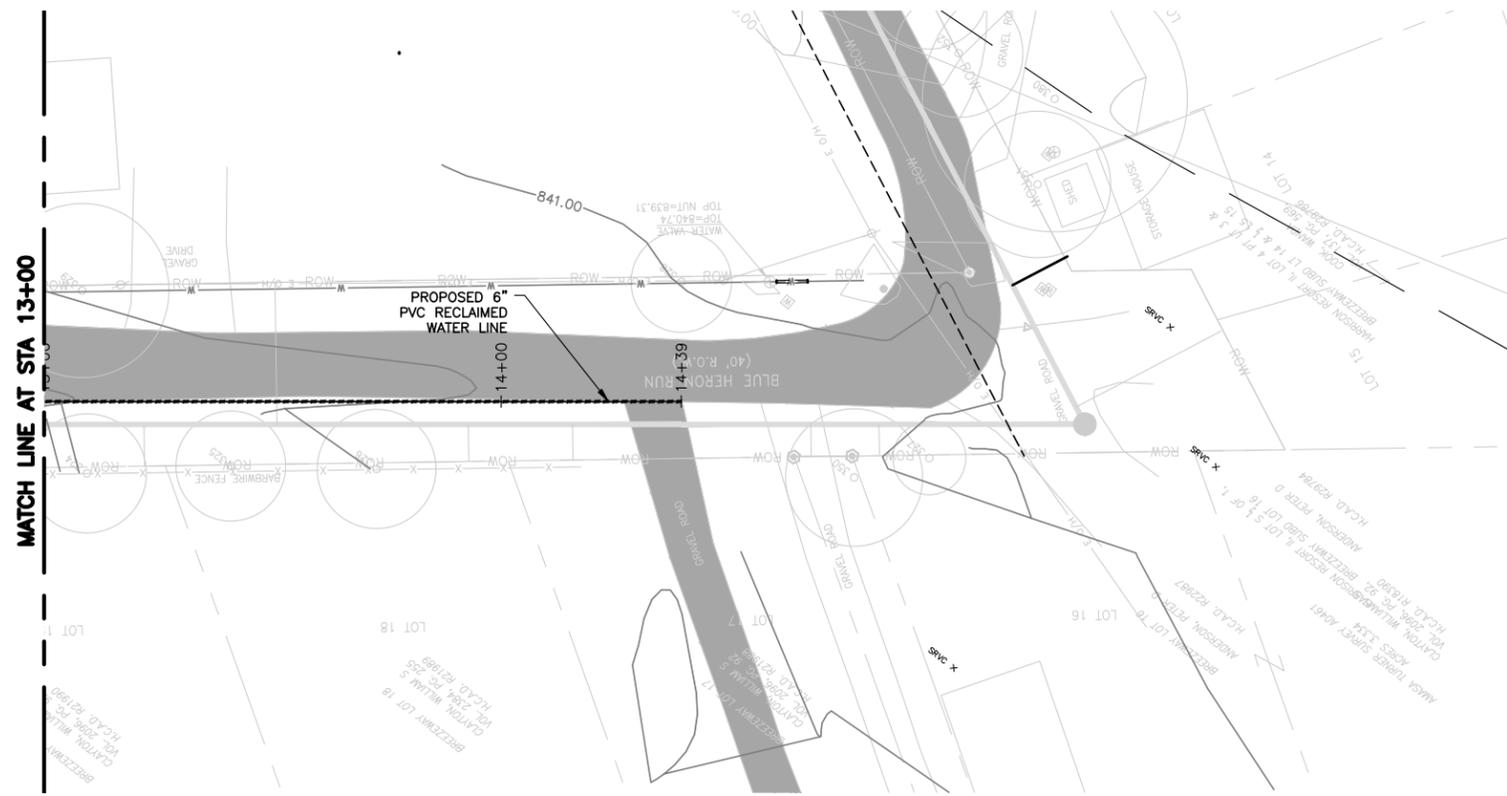
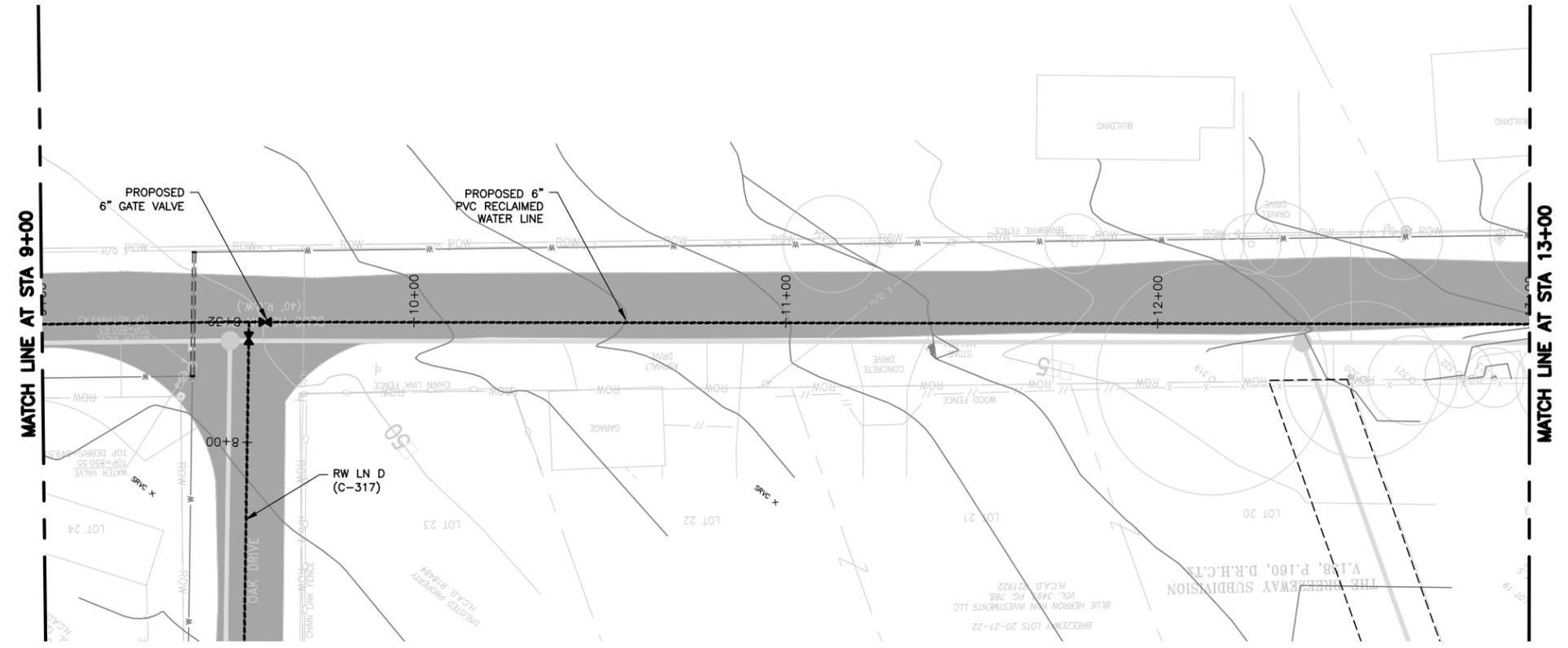
STATE OF TEXAS
 LICENSED PROFESSIONAL ENGINEER
 STEPHEN J. COONAN
 65516
 12/15/16

BAR IS ONE INCH ON ORIGINAL DRAWING.
 ONE INCH

DESIGNED C. SYVARTH
 DRAWN B. DICKMAN
 CHECKED H. FRELS
 REVIEWED S. COONAN

Seq. of
 Dwg. No. **C-315**
 1732-002-01

20 10 0 20 40
 HORIZONTAL SCALE : 1" = 20'
 VERTICAL SCALE : 1" = 4'



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 ENVIRONMENTAL ENGINEERS AND SCIENTISTS
 6300 L. CALMA DRIVE, SUITE 400
 AUSTIN, TEXAS 78752-3843
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 TEXAS REGISTERED ENGINEERING FIRM F-13

NO.	DATE	REVISION	BY

CITY OF WIMBERLEY
 221 Stillwater
 Wimberley, TX 78676

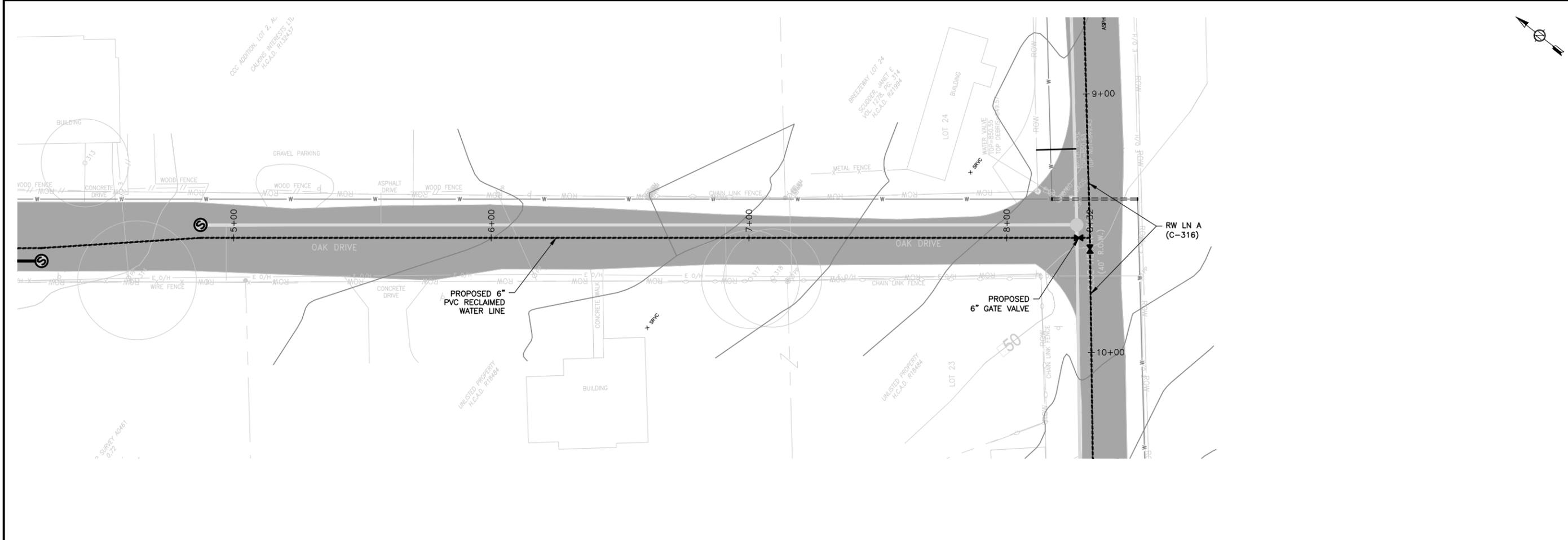
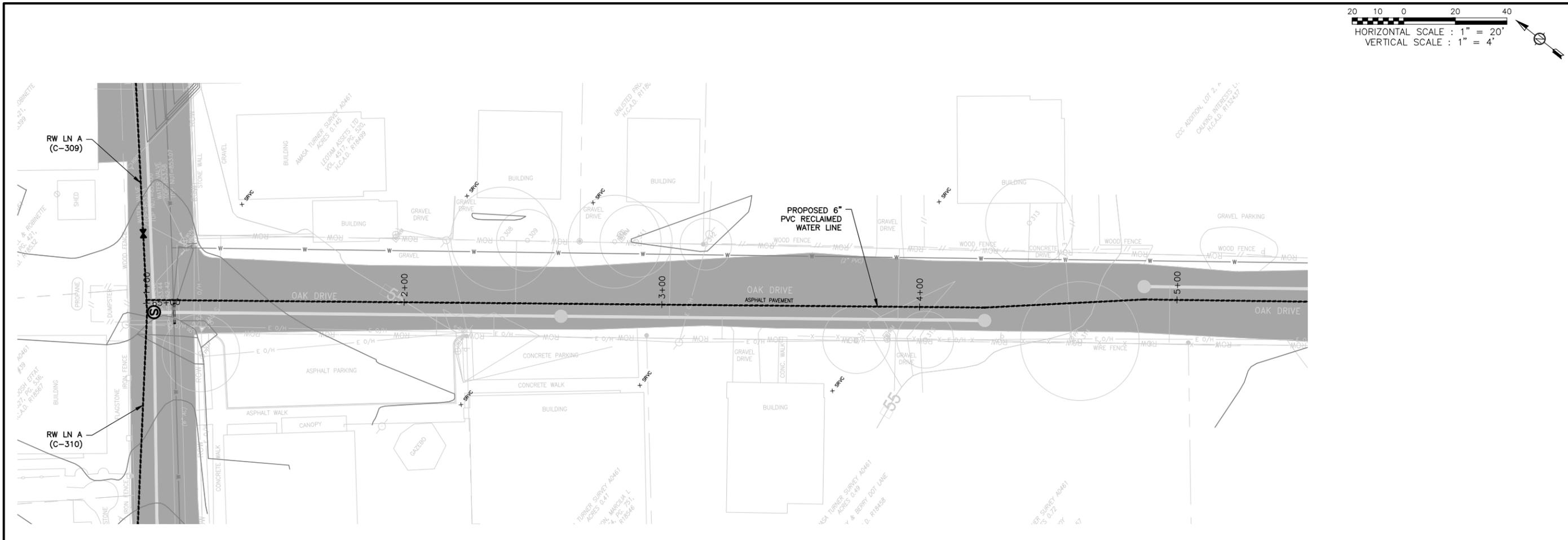
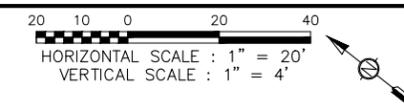
CITY OF WIMBERLEY
 WASTEWATER TREATMENT PLANT AND COLLECTION SYSTEM PROJECT
 RECLAIMED WATERLINE PLANS
 RW-LN C STA 9+00 TO STA 14+39

STATE OF TEXAS
 LICENSED PROFESSIONAL ENGINEER
 65516
 STEPHEN J. COONAN
 12/15/16

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 ONE INCH

DESIGNED C. SYVARTH
 DRAWN B. DICKMAN
 CHECKED H. FRELS
 REVIEWED S. COONAN

Seq. of
 Dwg. No. **C-316**
 1732-002-01



ALAN PLUMMER ASSOCIATES, INC.
 ENVIRONMENTAL ENGINEERS AND SCIENTISTS
 6500 L. CALMA DRIVE, SUITE 400
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 TEXAS REGISTERED ENGINEERING FIRM F-13

NO.	DATE	REVISION	BY

CITY OF WIMBERLEY
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 Wimberley, TX 78676

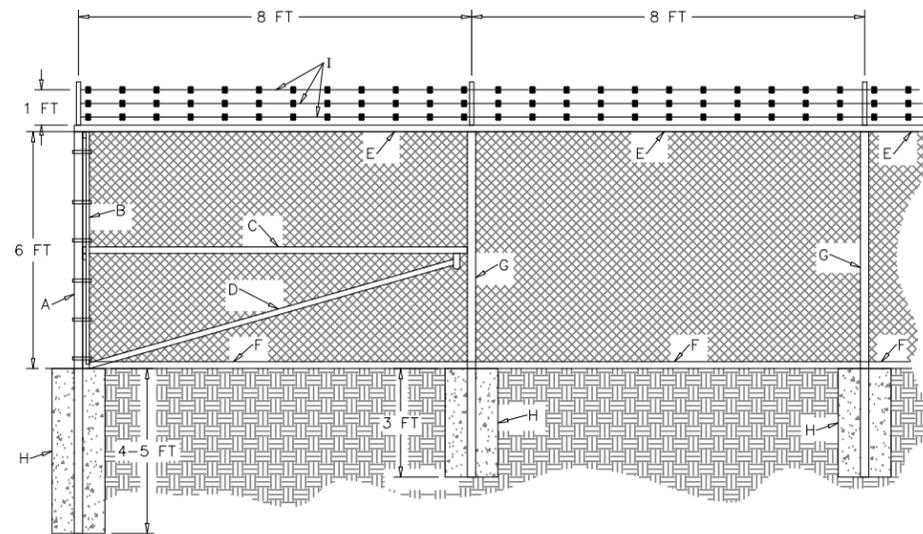
CITY OF WIMBERLEY
 WASTEWATER TREATMENT PLANT AND COLLECTION SYSTEM PROJECT
 RECLAIMED WATERLINE PLANS
 RW-LN D STA 1+00 TO STA 8+32

STATE OF TEXAS
 LICENSED PROFESSIONAL ENGINEER
 65516
 STEPHEN J. COONAN
 12/15/16

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 ONE INCH

DESIGNED C. SYVARTH
 DRAWN B. DICKMAN
 CHECKED H. FRELS
 REVIEWED S. COONAN

Seq. of
 Dwg. No. **C-317**
 1732-002-01



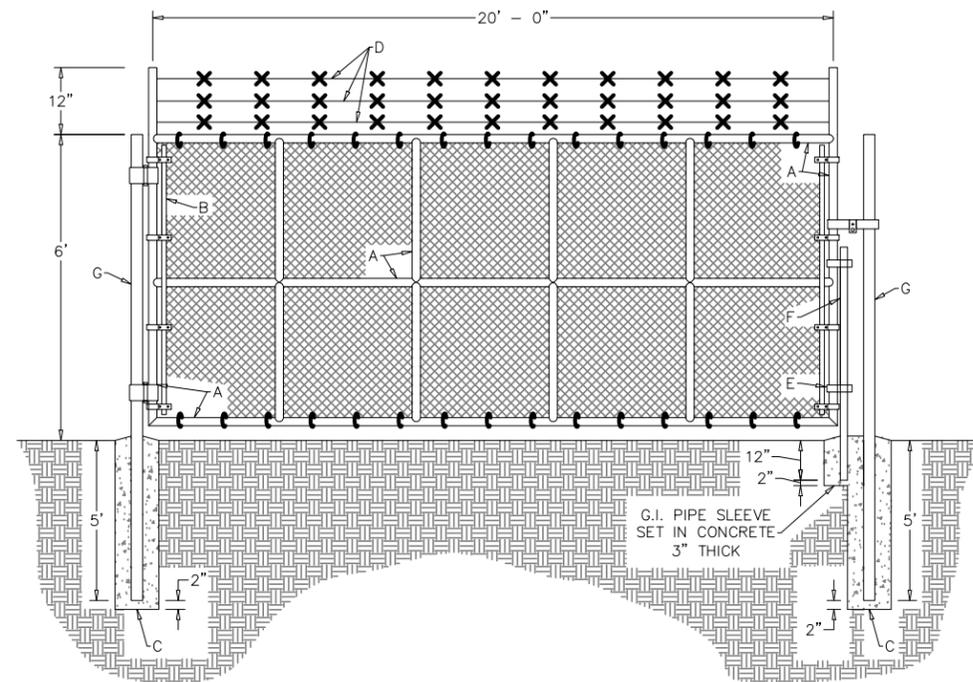
MATERIAL LIST		
I.D.	ITEM	DESCRIPTION
*A	CORNER POST, INTERMEDIATE BRACES AND GATE POST	CORNER AND INTERMEDIATE POST WILL BE STEEL 4" O.D. AT 9.11 LBS/LF GATE POST WILL BE STEEL PIPE (O.D. VARIES SEE SHEET 2 AND 3)
B	TENSION BAND	1/4" X 3/4" STEEL BAND
C	BRACE RAIL	STEEL PIPE 1 5/8" O.D. AT 2.27 LBS/LF
D	DIAGONAL TRUSS ROD	3/8" STEEL TRUSS ROD
E	TOP RAIL	RAIL 1 5/8" O.D. AT 2.27 LBS/LF
F	TENSION WIRE	7 GAUGE, COMPLY WITH ASTM A-824
G	LINE POST	STEEL PIPE 2 3/8" O.D. AT 3.65 LBS/LF
H	CONCRETE	5000 PSI CONCRETE AROUND THE POST. DIAMETER WILL BE A MINIMUM OF 4 TIMES THE POST O.D. DIAMETER. (ITEM "G" LINE POST 9.5" MIN. DIA.) (ITEM "A" CORNER POST AND INTERMEDIATE BRACES 16" MIN. DIA.) (ITEM "A" GATE POST DIA. VARIES SEE SHT 2 OF 3 AND SHT 3 OF 3)
I	BARBED WIRE	1 1/2 GAUGE GALVANIZED (CLASS II ASTM121)

*SEE NOTE 1

NOTE;

- ALL ITEMS WILL BE THE SAME ON BOTH SIDES OF THE CORNER POST AND INTERMEDIATE BRACES. SEE DETAIL 701S-2 FOR GATE SIDE OF GATE POST.
- IF CORNER POST ARE MORE THEN 100 FEET APART OR 100 FEET FROM GATE POST: INTERMEDIATE BRACES WILL BE USED IN INTERVALS NO GREATER THAN 100 FEET.
- 6 FOOT 2 INCH DIAMOND MESH INTERWOVEN FABRIC (MAXIMUM OF 100 FEET LONG), 9 GAUGE (HEAVY DUTY COMMERCIAL) WILL BE TIED TO TOP RAIL, LINE POSTS, BRACE RAIL, TENSION WIRE AND TENSION BANDS WITH ALUMINUM ALLOY STEEL TIE WIRE AT 15 INCHES ON CENTER.
- ALL FITTINGS WILL BE GALVANIZED STEEL (SLEEVES, BANDS, CLIPS, RAIL ENDS, TENSION BARS, FASTENERS,...ECT)

SECURITY FENCE (701S-1)
NOT TO SCALE



MATERIAL LIST		
I.D.	ITEM	DESCRIPTION
A	GATE FRAME	GATE FRAME SHALL BE 2 3/8 INCH SCHEDULE 40 GALVANIZED STEEL PIPE WITH CENTER AND CROSS BRACING OF SAME MATERIAL AT EQUAL SPACING WITH FULLY WELDED CONSTRUCTION
B	TENSION BAND	1/4" X 3/4" STEEL BAND
C	CONCRETE	5000 PSI CONCRETE AROUND THE POST. DIAMETER WILL BE A MINIMUM OF 4 TIMES THE POST O.D. (GATE POST (MAIN ENTRANCE) 34 1/2" MIN. DIA.)
D	BARBED WIRE	1 1/2 GAGE GALVANIZED (CLASS II ASTM121)
E	PLUNGER ROD GUIDE	2 REQUIRED
F	PLUNGER ROD	1 3/8 INCH O.D.
G	GATE POST	GATE POST WILL BE STEEL PIPE 8 5/8" O.D.

NOTE;

- 6 FOOT 2 INCH DIAMOND MESH INTERWOVEN FABRIC, 9 GAUGE (HEAVY DUTY COMMERCIAL) WILL BE TIE TO TOP, BOTTOM AND BOTH VERTICAL AND HORIZONTAL CROSS BRACES OF THE FRAME WITH ALUMINUM ALLOY STEEL TIE WIRE AT 15 INCHES ON CENTER.
- ALL FITTINGS WILL BE GALVANIZED STEEL (SLEEVES, BANDS, CLIPS, RAIL ENDS, TENSION BARS, FASTENERS, PLUNGER ROD, SCREW RESTRAINERS...ETC)
- GATE HARDWARE: FORK LATCH WITH GRAVITY DROP; TWO 180 DEGREE GATE HINGES PER LEAF AND HARDWARE FOR PADLOCK.

SECURITY GATE (701S-2)
NOT TO SCALE

ALAN PLUMMER ASSOCIATES, INC.
ENVIRONMENTAL ENGINEERS AND SCIENTISTS
65001 A. CALMA DRIVE, SUITE 400
AUSTIN, TEXAS 78752-3843
PHONE: 512-452-5905 - FAX: 512-452-2325
TEXAS REGISTERED ENGINEERING FIRM F-13

NO.	DATE	REVISION	BY

CITY OF WIMBERLEY
221 Stillwater
Wimberley, TX 78676

CITY OF WIMBERLEY
WASTEWATER TREATMENT PLANT AND COLLECTION SYSTEM PROJECT
STANDARD DETAILS
CIVIL 1

STATE OF TEXAS
STEPHEN J. COONAN
65516
LICENSED PROFESSIONAL ENGINEER
12/15/16

BAR IS ONE INCH ON ORIGINAL DRAWING.
ONE INCH

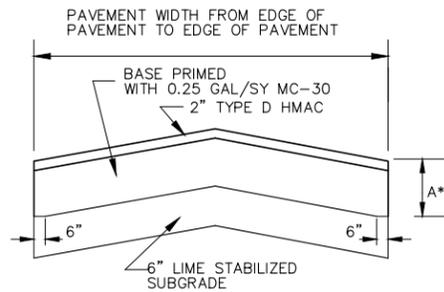
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DRAWN AP/ AI
CHECKED AP/ AI
REVIEWED AP/ AI

Seq. of
Dwg. No. **C-1000**

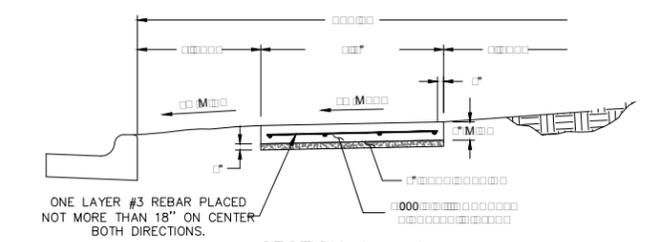
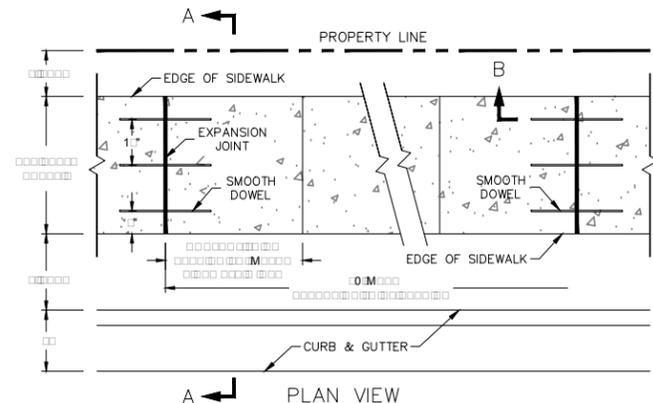
1732-002-01

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PAVEMENT TYPE	A*
MEDIUM DUTY	8"
HEAVY DUTY	12"

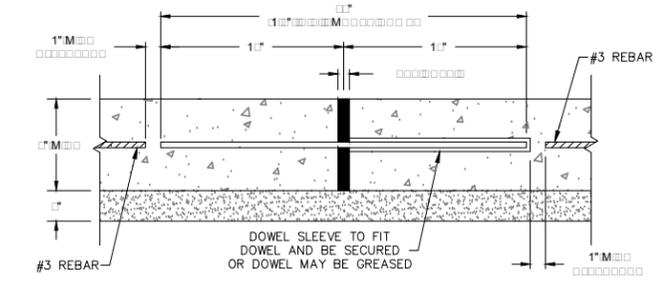


ASPHALTIC CONCRETE PAVEMENT (226)
NOT TO SCALE



- NOTES FOR REBAR PLACEMENT
1. REINFORCEMENT SHALL BE ACCURATELY PLACED AT SLAB MID-DEPTH AND HELD FIRMLY IN PLACE BY MEANS OF BAR SUPPORTS OF ADEQUATE STRENGTH AND NUMBER THAT WILL PREVENT DISPLACEMENT AND KEEP THE STEEL AT ITS PROPER POSITION DURING THE PLACEMENT OF THE P.C. CONCRETE.
 2. IN NO INSTANCE SHALL THE STEEL BE PLACED DIRECTLY ON THE SUBGRADE, SAND CUSHION LAYER OR CLOSER THAN 2" TO THE OUT SIDE EDGE OF THE CONCRETE.

CONCRETE SIDEWALK (432S)
NOT TO SCALE



- NOTES:
1. CONTROL JOINTS SHALL BE 1/4 INCH WIDE AND 3/4 INCH DEEP TOOLED OR SAW CUT INTO SIDEWALK.
 2. CONSTRUCT 3/4" REDWOOD EXPANSION JOINTS AT MAXIMUM 40'- 0" SPACING ALONG LENGTH OF SIDEWALK. EXPANSION JOINTS SHALL INCLUDE SMOOTH DOWELS CENTERED TO THE JOINT AT 12" C-C.
 3. IF SIDEWALK IS ADJOINED TO CURB, COLD JOINT IS REQUIRED, UNLESS APPROVED BY THE CITY INSPECTOR.
 4. RAMPS AT INTERSECTION WILL FOLLOW CITY DETAIL 432S-3-SM.
 5. MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY SPECIFICATIONS.
 6. 4' SIDEWALK WILL HAVE A 5'X5' PAD A MINIMUM EVERY 200'

ALAN PLUMMER ASSOCIATES, INC.
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63001 LA CALMA DRIVE, SUITE 400
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PHONE: 512-452-5905 FAX: 512-452-2325
TEXAS REGISTERED ENGINEERING FIRM F-13

NO.	DATE	REVISION	BY

CITY OF WIMBERLEY
221 Stillwater
Wimberley, TX 78676

CITY OF WIMBERLEY
WASTEWATER TREATMENT PLANT AND
COLLECTION SYSTEM PROJECT
STANDARD DETAILS
CIVIL II

STATE OF TEXAS
STEPHEN J. COONAN
65516
LICENSED PROFESSIONAL ENGINEER
12/15/16

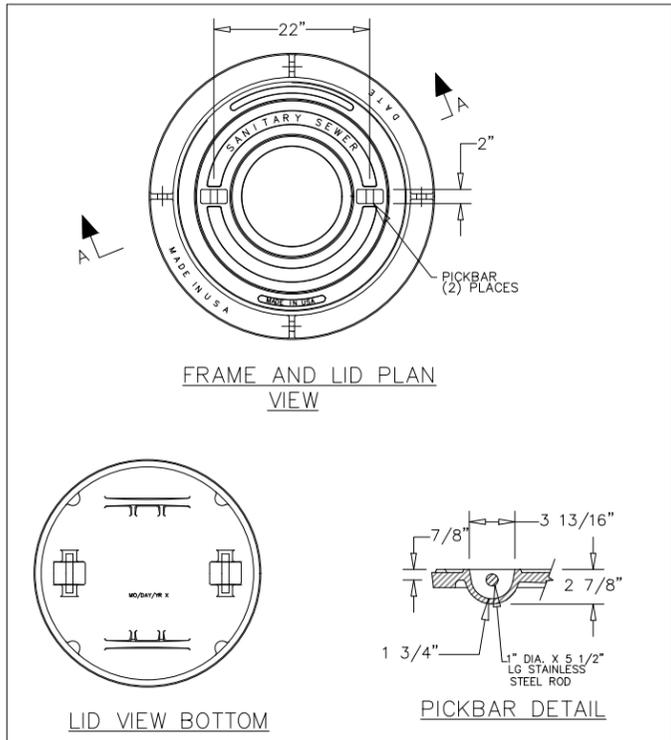
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ONE INCH

DESIGNED APAI
DRAWN APAI
CHECKED APAI
REVIEWED APAI

Seq. of
Dwg. No. **C-1001**

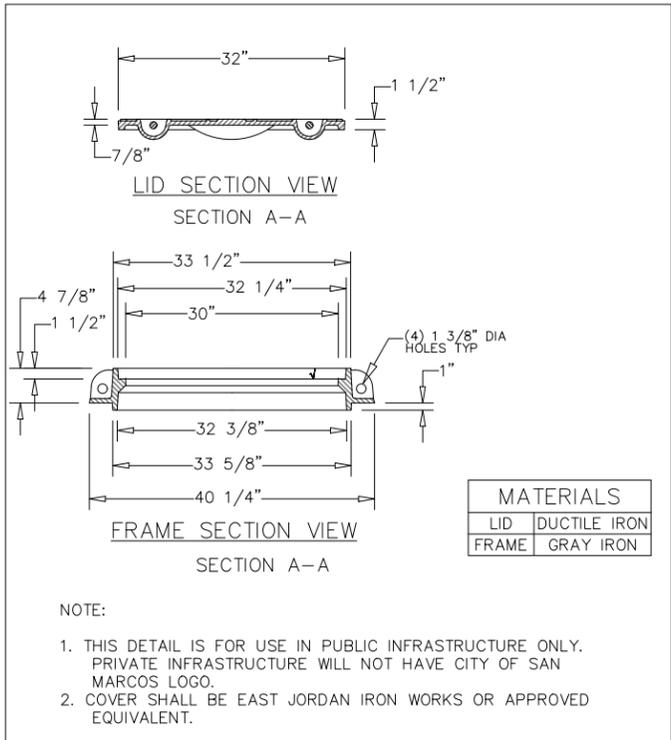
1732-002-01

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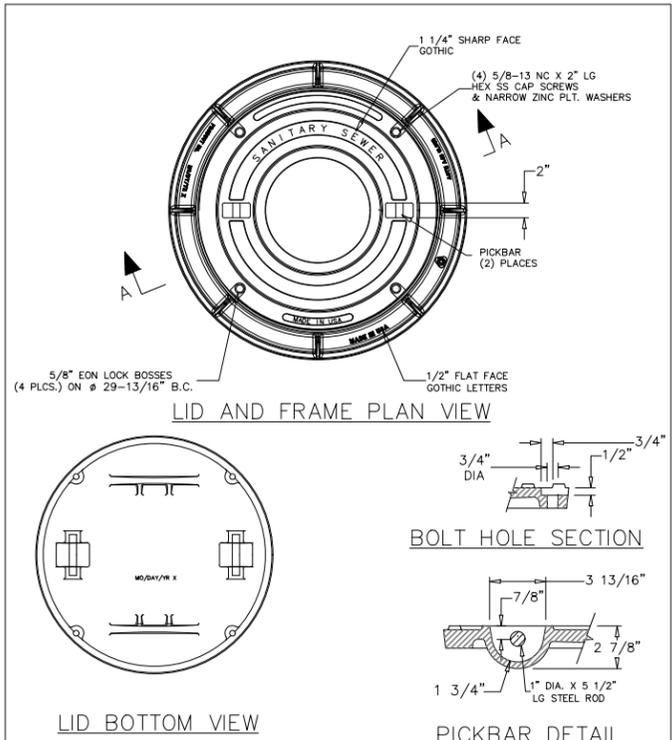
The City of San Marcos Engineering and Capital Improvements
 RECORD COPY SIGNED BY 9/12/2016
 LAURIE MOYER, P.E. ADOPTED

SANITARY SEWER MANHOLE RING AND COVER 32" - UNBOLTED
 THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD
 503S-4W-SM N.T.S. STANDARD DETAIL



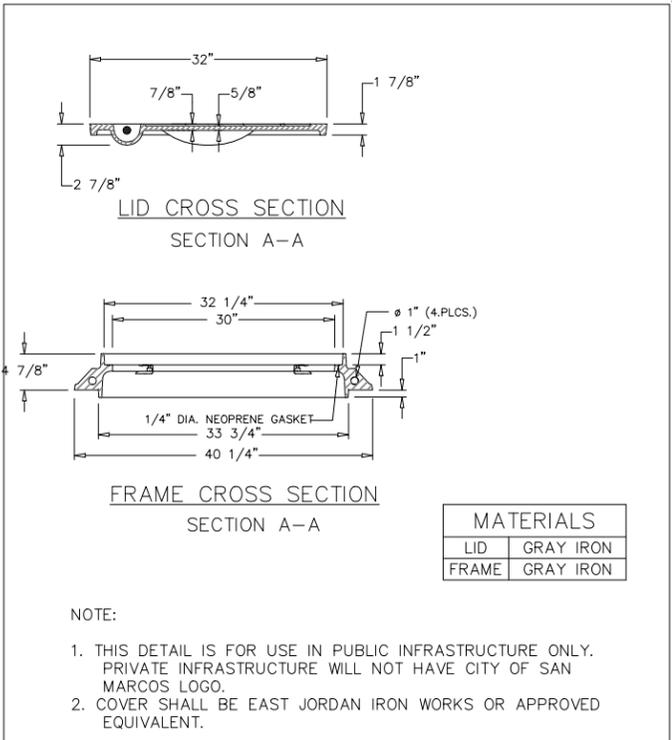
The City of San Marcos Engineering and Capital Improvements
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 503S-4W-SM N.T.S. STANDARD DETAIL



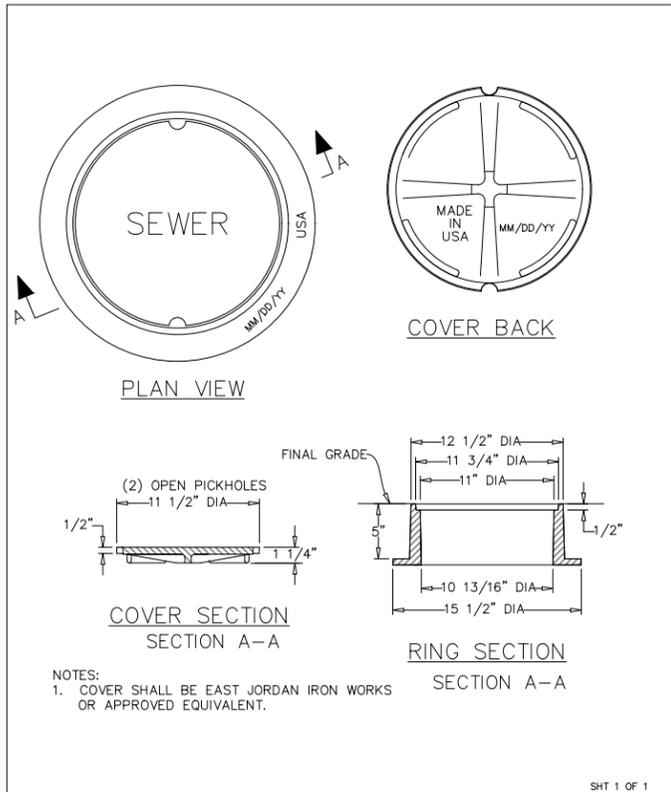
The City of San Marcos Engineering and Capital Improvements
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 LAURIE MOYER, P.E. ADOPTED

SANITARY SEWER MANHOLE RING AND COVER 32" - BOLTED
 THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD
 503S-5W-SM N.T.S. STANDARD DETAIL



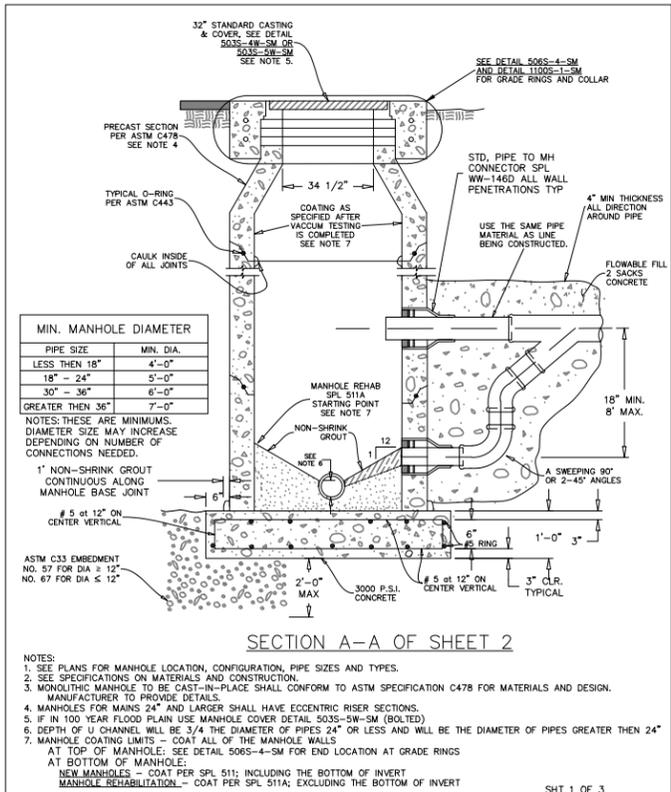
The City of San Marcos Engineering and Capital Improvements
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 LAURIE MOYER, P.E. ADOPTED

SANITARY SEWER MANHOLE RING AND COVER 32" - BOLTED
 THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD
 503S-5W-SM N.T.S. STANDARD DETAIL



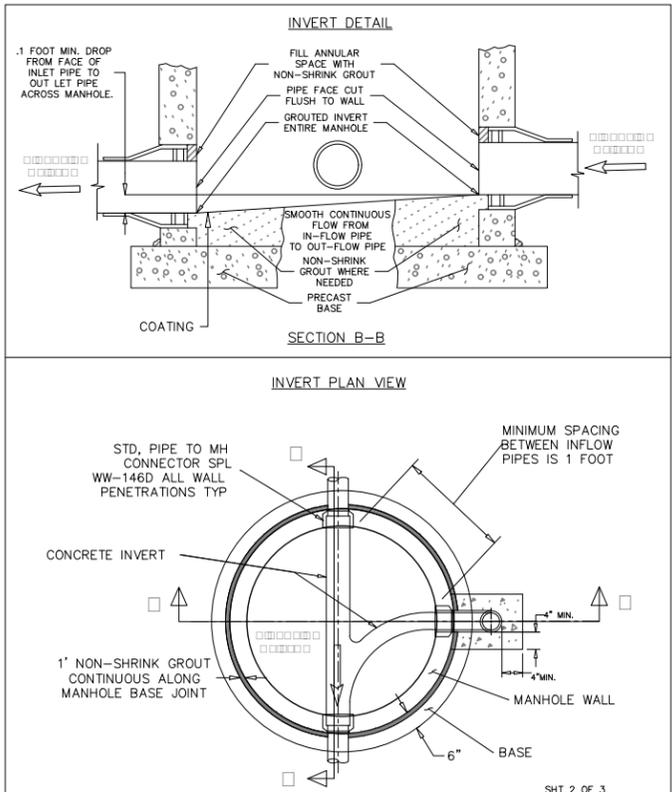
The City of San Marcos Engineering and Capital Improvements
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CLEANOUT RING AND COVER
 THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD
 503S-7W-SM N.T.S. STANDARD DETAIL



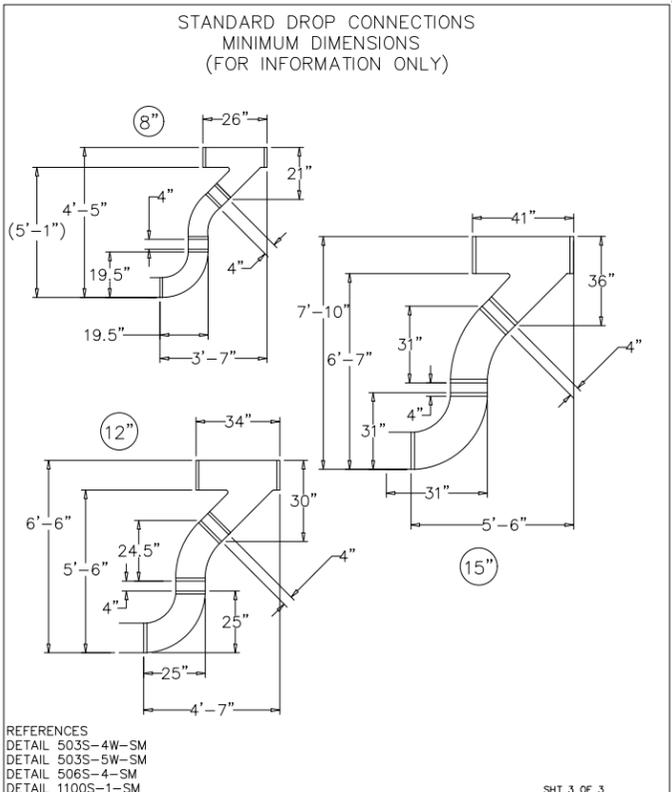
The City of San Marcos Engineering and Capital Improvements
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PRECAST MANHOLE WITH DROP INLET ON PRECAST BASE
 THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD
 506S-8-SM N.T.S. STANDARD DETAIL



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PRECAST MANHOLE WITH DROP INLET ON PRECAST BASE
 THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD
 506S-8-SM N.T.S. STANDARD DETAIL



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PRECAST MANHOLE WITH DROP INLET ON PRECAST BASE
 THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD
 506S-8-SM N.T.S. STANDARD DETAIL

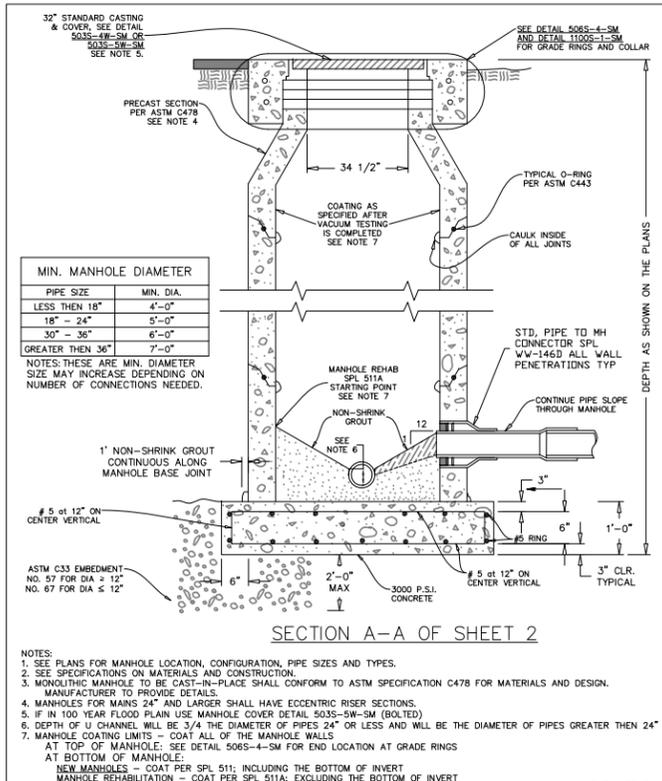
ALAN PLUMMER ASSOCIATES, INC.
 ENVIRONMENTAL ENGINEERS AND SCIENTISTS
 63001 LA CALMA DRIVE, SUITE 400
 AUSTIN, TEXAS 78752-3843
 PHONE: 512-452-5905 FAX: 512-452-2325
 TEXAS REGISTERED ENGINEERING FIRM F-13

CITY OF WIMBERLEY
 WASTEWATER TREATMENT PLANT AND COLLECTION SYSTEM PROJECT
 STANDARD DETAILS
 CIVIL III

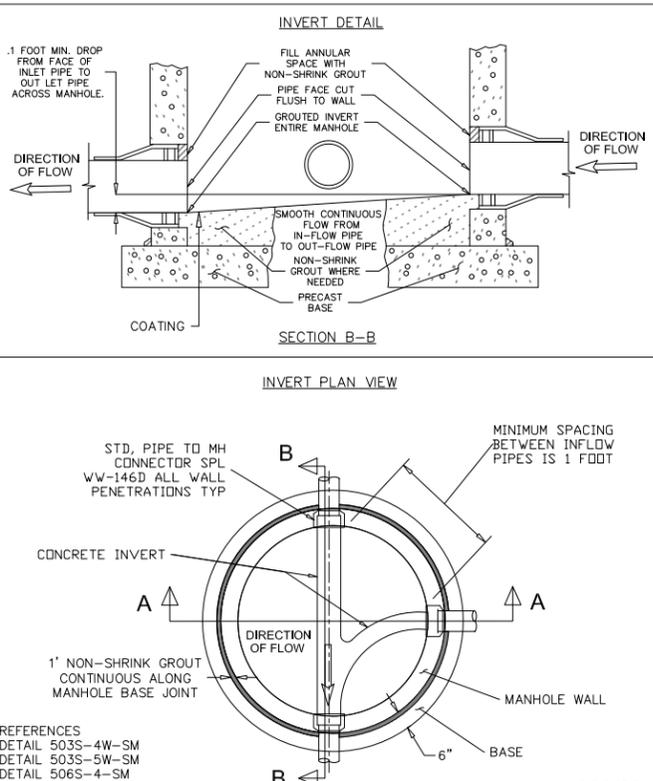
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Seq. of C-1002

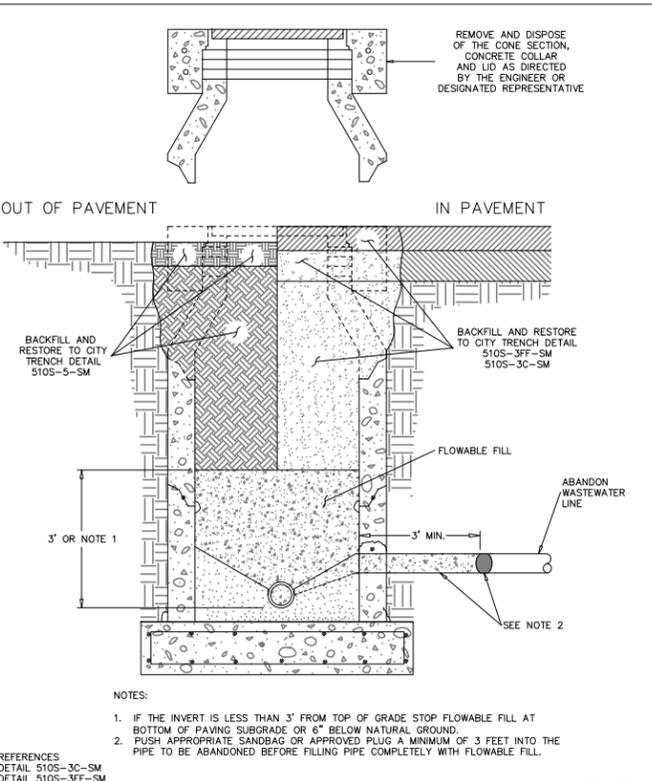
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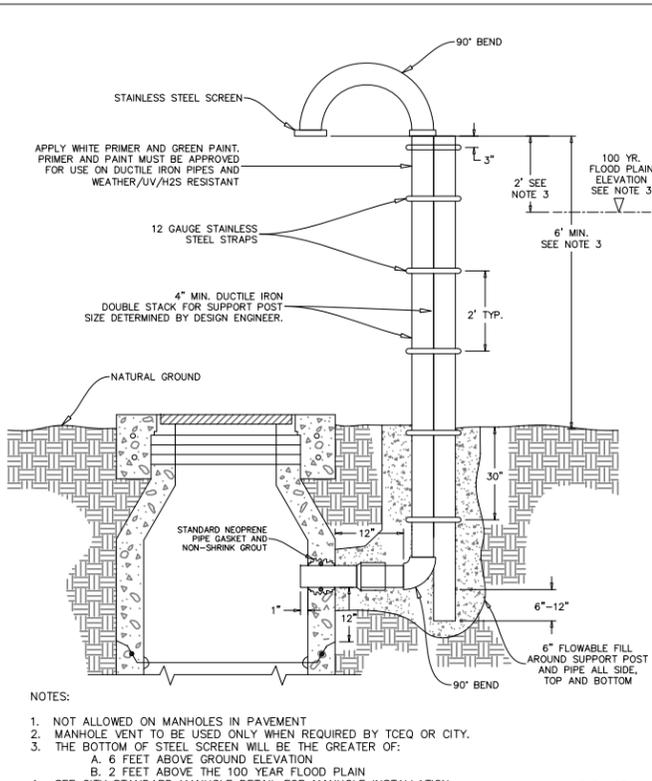
The City of San Marcos Engineering and Capital Improvements	WASTEWATER MANHOLE ON PRECAST BASE	RECORD COPY SIGNED BY 9/13/2016 LAURIE MOYER, P.E. ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD	506S-10-SM N.T.S. STANDARD DETAIL
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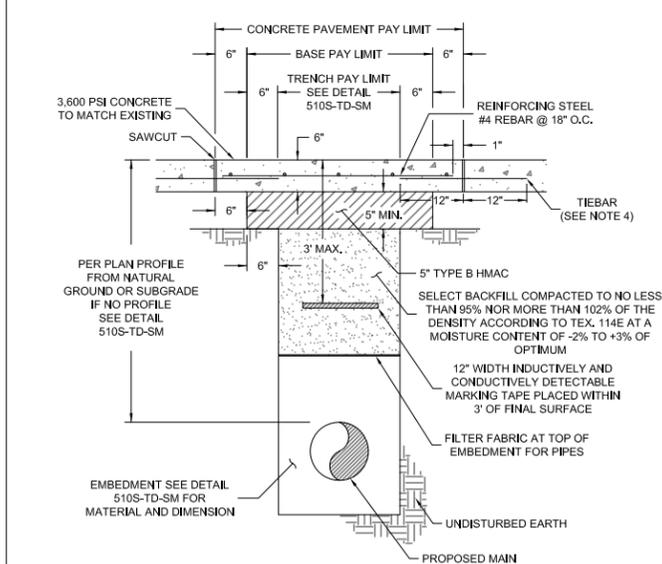
The City of San Marcos Engineering and Capital Improvements	WASTEWATER MANHOLE ON PRECAST BASE	RECORD COPY SIGNED BY 9/13/2016 LAURIE MOYER, P.E. ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD	506S-10-SM N.T.S. STANDARD DETAIL
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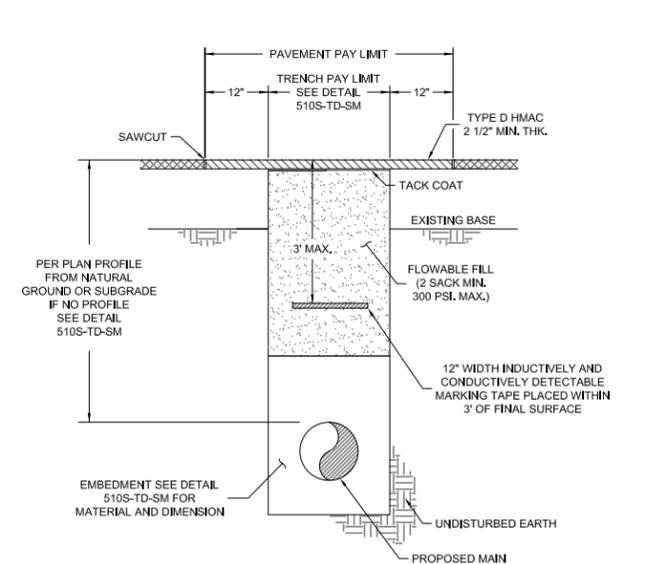
The City of San Marcos Engineering and Capital Improvements	MANHOLE ABANDONMENT	RECORD COPY SIGNED BY 9/13/2016 LAURIE MOYER, P.E. ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD	506S-15-SM N.T.S. STANDARD DETAIL
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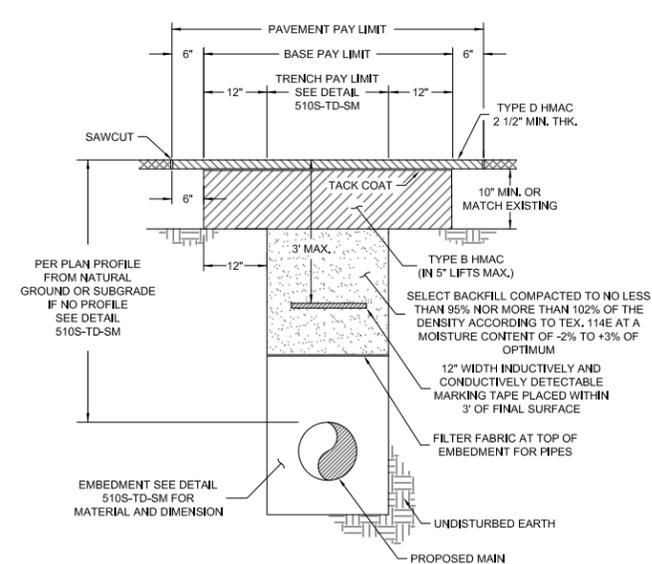
The City of San Marcos Engineering and Capital Improvements	MANHOLE VENT	RECORD COPY SIGNED BY 9/13/2016 LAURIE MOYER, P.E. ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD	506S-MV-SM N.T.S. STANDARD DETAIL
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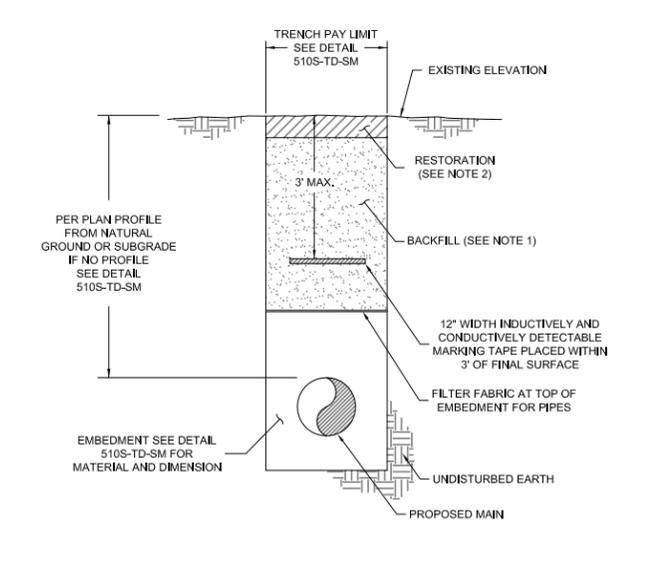
The City of San Marcos Engineering and Capital Improvements	TYPICAL TRENCH WITH CONCRETE PAVEMENT	RECORD COPY SIGNED BY 3/3/2016 LAURIE MOYER, P.E. ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD	510S-3C-SM 1 OF 1
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The City of San Marcos Engineering and Capital Improvements	STREET TRENCH FLOWABLE FILL	RECORD COPY SIGNED BY 3/3/2016 LAURIE MOYER, P.E. ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD	510S-3FF-SM 1 OF 1
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The City of San Marcos Engineering and Capital Improvements	TYPICAL TRENCH WITH PAVED SURFACE	RECORD COPY SIGNED BY 3/3/2016 LAURIE MOYER, P.E. ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD	510S-3-SM 1 OF 1
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The City of San Marcos Engineering and Capital Improvements	TRENCH DETAIL NATURAL GROUND	RECORD COPY SIGNED BY 3/3/2016 LAURIE MOYER, P.E. ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD	510S-5-SM 1 OF 1
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ALAN PLUMMER ASSOCIATES, INC.
 ENVIRONMENTAL ENGINEERS AND SCIENTISTS
 63001 CALAMITA DRIVE, SUITE 400
 AUSTIN, TEXAS 78752-3843
 PHONE: 512-452-5905 FAX: 512-452-2325
 TEXAS REGISTERED ENGINEERING FIRM F-13

CITY OF WIMBERLEY
 221 Stillwater
 Wimberley, TX 78676

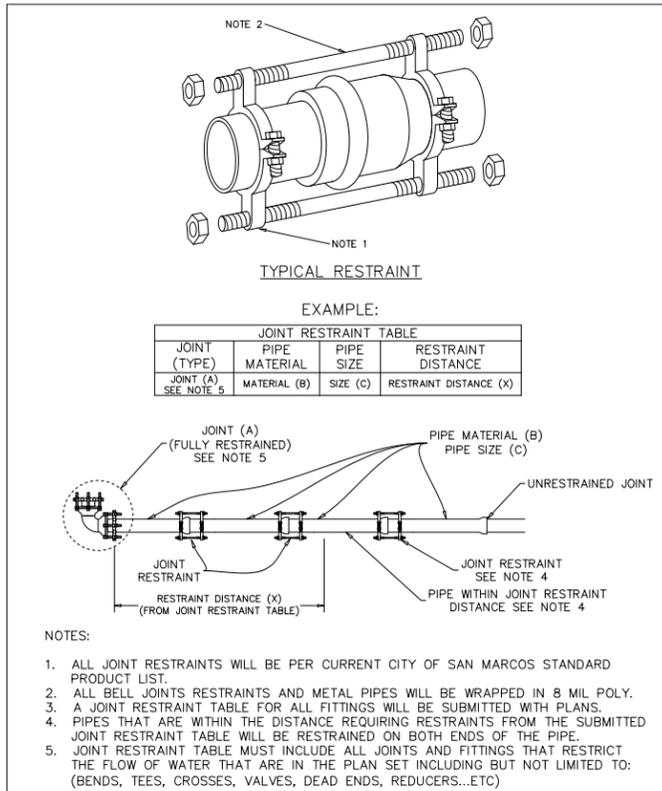
CITY OF WIMBERLEY
 WASTEWATER TREATMENT PLANT AND COLLECTION SYSTEM PROJECT
 STANDARD DETAILS
 CIVIL IV

STEPHEN J. COONAN
 LICENSED PROFESSIONAL ENGINEER
 65516
 12/15/16

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 Dwg. No. **C-1003**
 1732-002-01



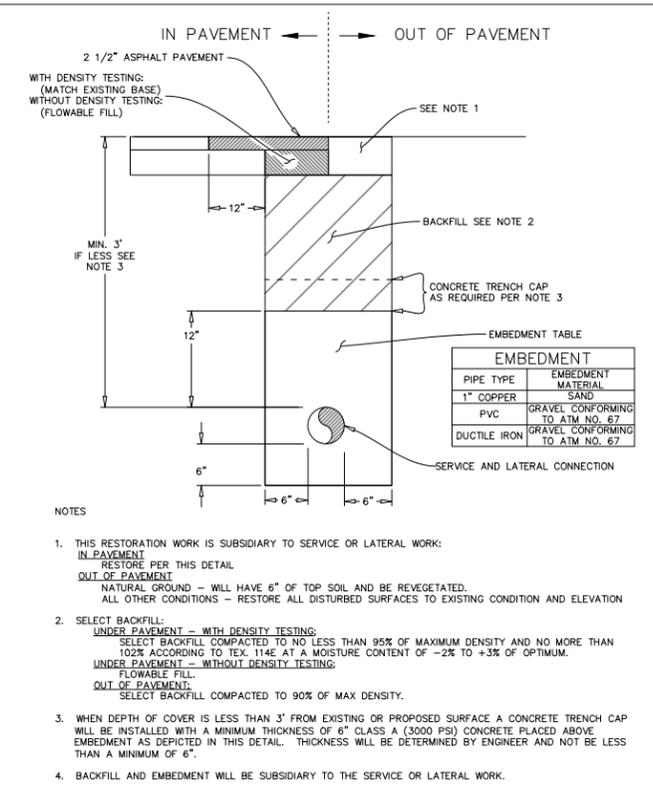
The City of San Marcos Engineering and Capital Improvements

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PIPE RESTRAINT BELL JOINTS

THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD

510S-PR-SM N.T.S. STANDARD DETAIL



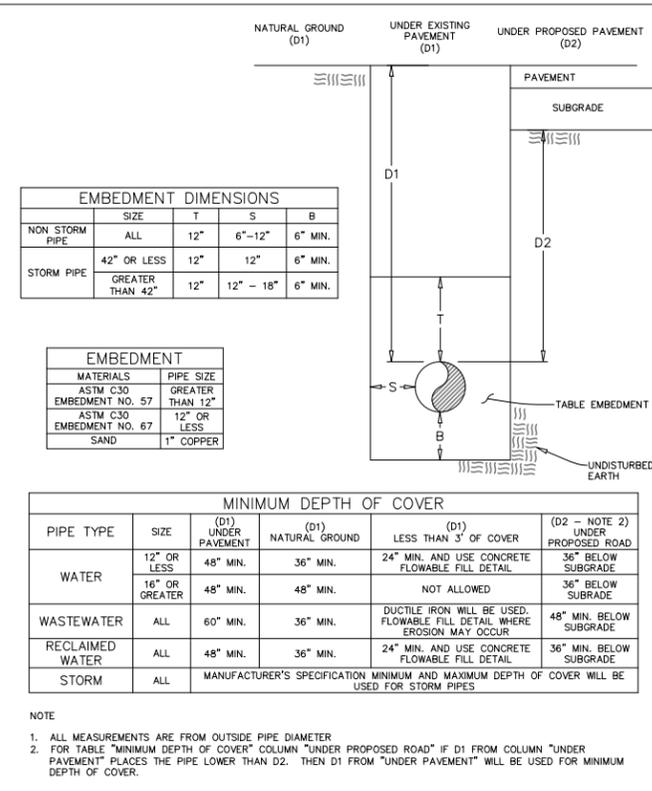
The City of San Marcos Engineering and Capital Improvements

RECORD COPY SIGNED BY: LAURIE MOYER, P.E. DATE: 9/13/2016

SERVICE AND LATERAL CONNECTION TRENCH DETAIL

THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD

510S-S&L-SM N.T.S. STANDARD DETAIL



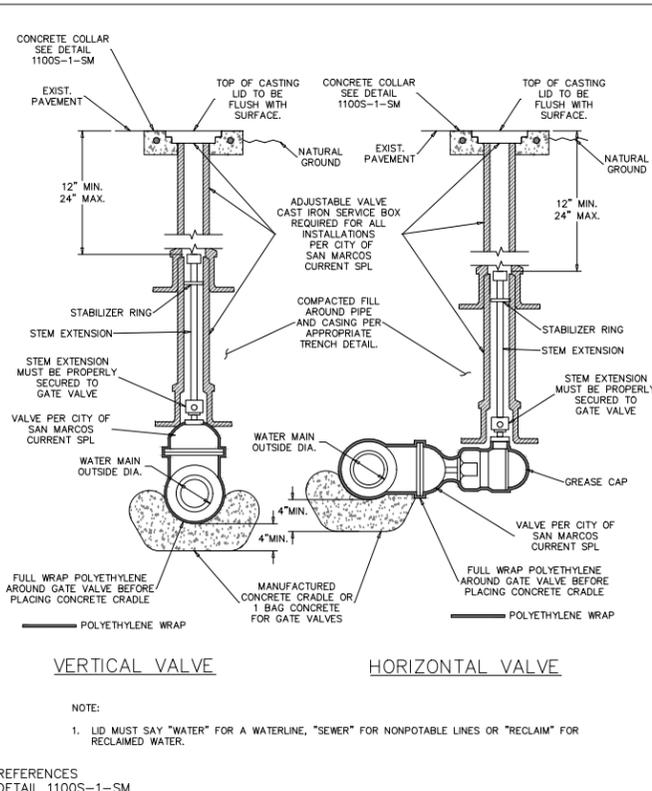
The City of San Marcos Engineering and Capital Improvements

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UTILITY TRENCH DIMENSIONS

THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD

510S-TD-SM N.T.S. STANDARD DETAIL



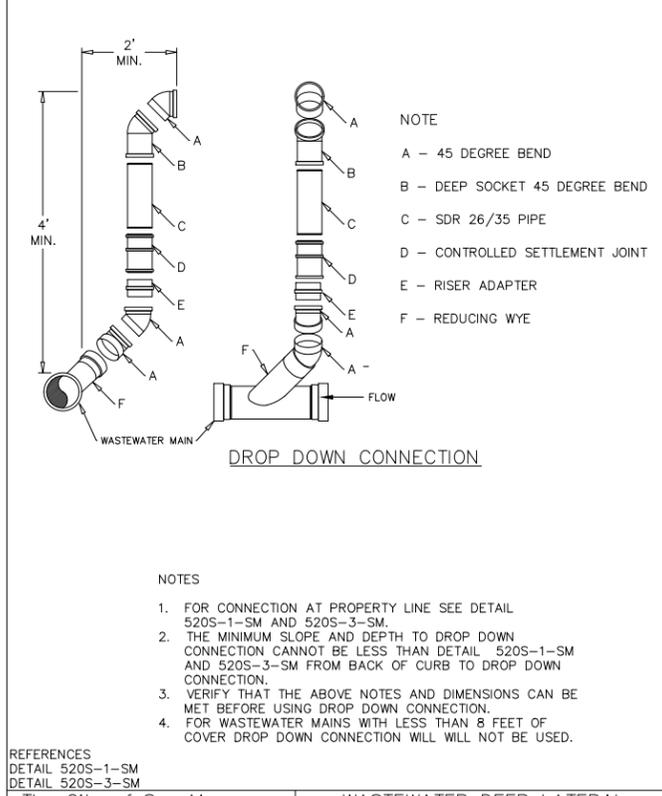
The City of San Marcos Engineering and Capital Improvements

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TYPICAL GATE VALVE 2"-24"

THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD

511S-7-SM N.T.S. STANDARD DETAIL



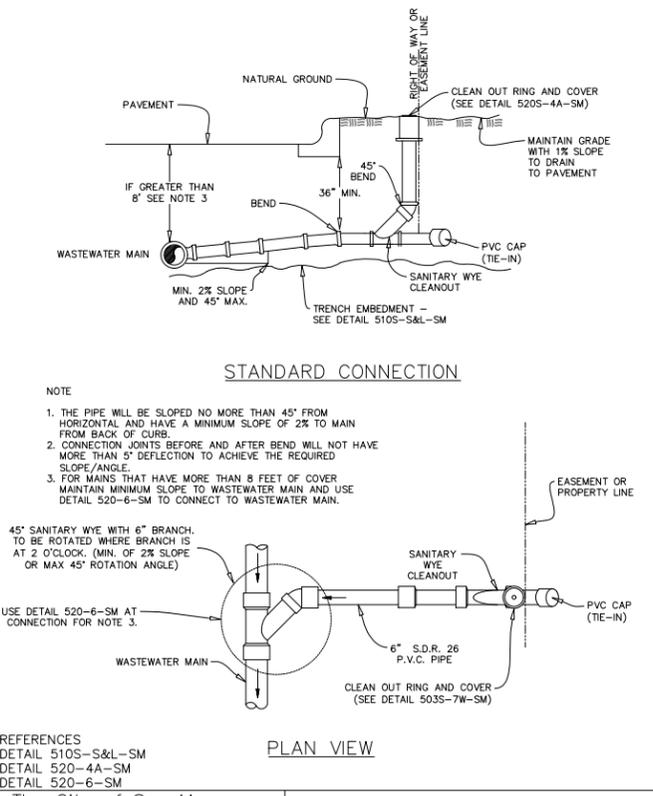
The City of San Marcos Engineering and Capital Improvements

RECORD COPY SIGNED BY: LAURIE MOYER, P.E. DATE: 9/13/2016

WASTEWATER DEEP LATERAL CONNECTION DETAIL

THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD

520-6-SM N.T.S. STANDARD DETAIL



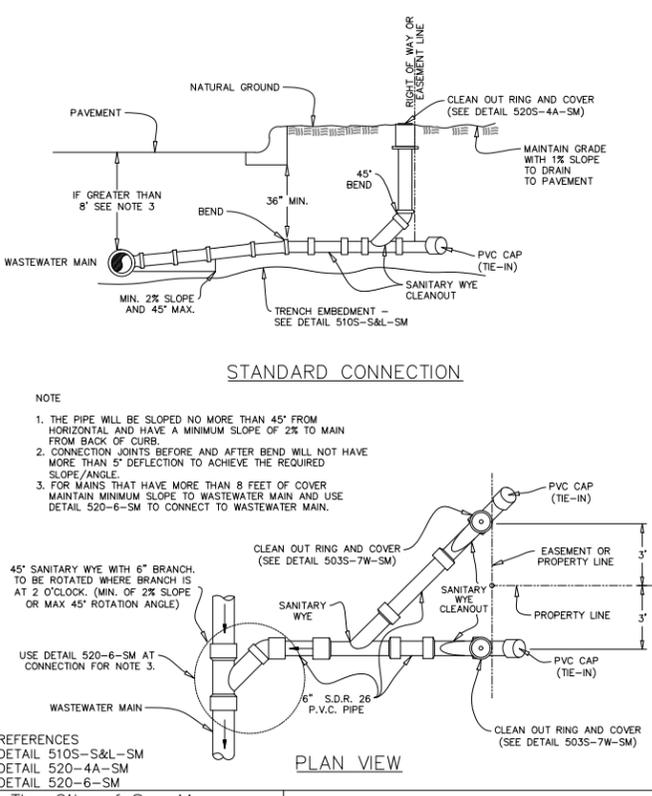
The City of San Marcos Engineering and Capital Improvements

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SINGLE LATERAL CONNECTION

THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD

520S-1-SM N.T.S. STANDARD DETAIL



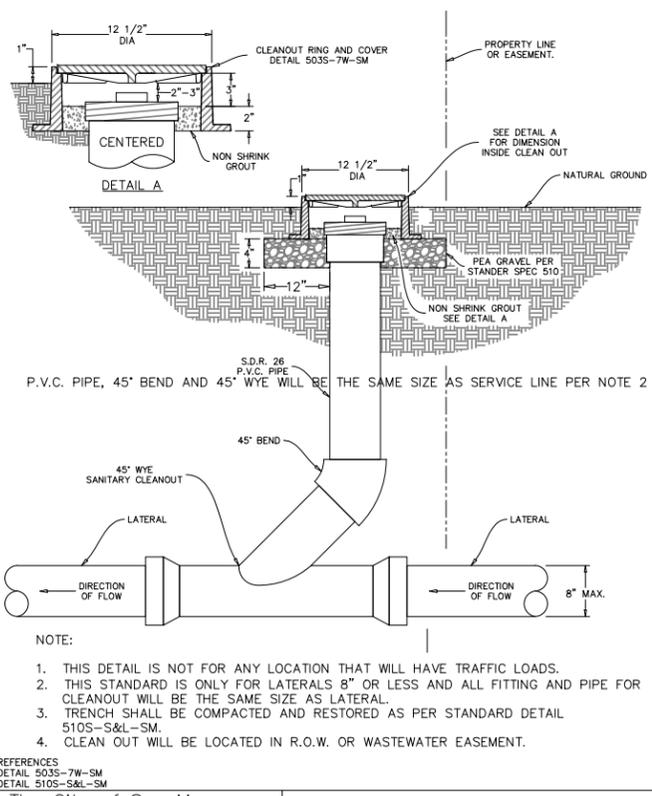
The City of San Marcos Engineering and Capital Improvements

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DUAL LATERAL CONNECTION

THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD

520S-3-SM N.T.S. STANDARD DETAIL



The City of San Marcos Engineering and Capital Improvements

RECORD COPY SIGNED BY: LAURIE MOYER, P.E. DATE: 9/13/2016

WASTEWATER CLEANOUT

THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD

520S-4A-SM N.T.S. STANDARD DETAIL

ALAN PLUMMER ASSOCIATES, INC.
 ENVIRONMENTAL ENGINEERS AND SCIENTISTS
 65001 A CALAMITA DRIVE, SUITE 400
 AUSTIN, TEXAS 78752-3843
 PHONE: 512-452-5905 FAX: 512-452-2325
 TEXAS REGISTERED ENGINEERING FIRM F-13

CITY OF WIMBERLEY
 221 Stillwater
 Wimberley, TX 78676

CITY OF WIMBERLEY WASTEWATER TREATMENT PLANT AND COLLECTION SYSTEM PROJECT
 STANDARD DETAILS CIVIL V

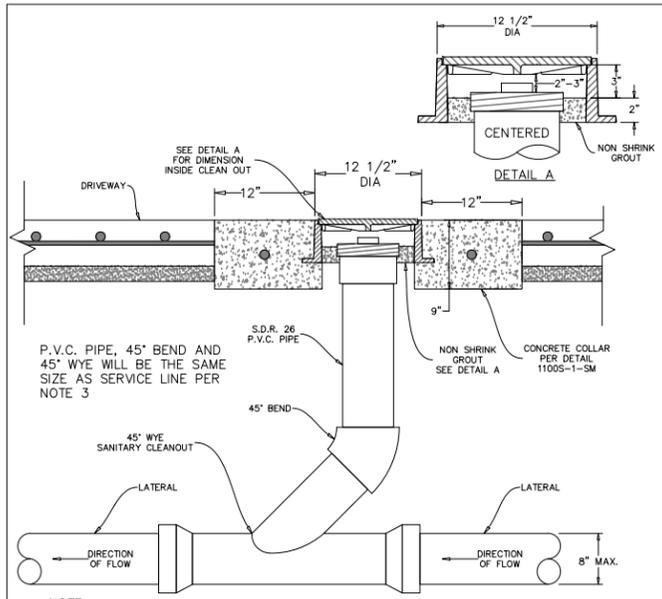
STEPHEN J. COONAN
 65516
 LICENSED PROFESSIONAL ENGINEER
 12/15/16

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 ONE INCH

DESIGNED AP/AL
 DRAWN AP/AL
 CHECKED AP/AL
 REVIEWED AP/AL

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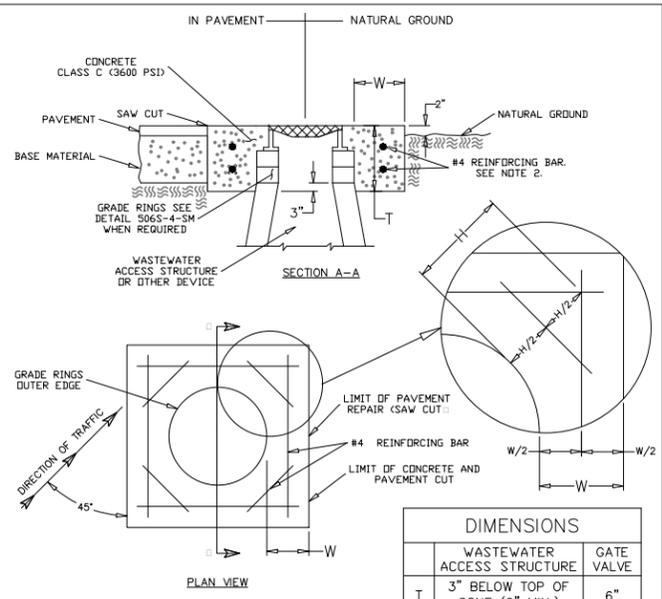
Dwg. No. **C-1004**
 1732-002-01



- NOTE:
- SERVICE SHALL BE DESIGNED TO AVOID CLEANOUT LOCATION WITHIN DRIVEWAYS.
 - THIS STANDARD DETAIL IS ONLY FOR EXISTING CLEANOUTS THAT ARE LOCATED WITHIN EXISTING DRIVEWAYS.
 - THIS STANDARD IS ONLY FOR SERVICES 8" OR LESS AND ALL FITTING AND PIPE FOR CLEANOUT WILL BE THE SAME SIZE AS LATERAL.
 - SUBGRADE SHALL BE COMPACTED AS PER STANDARD DETAIL 510S-S&L-SM.
 - CONCRETE COLLAR IN DRIVEWAY WILL BE PER 1100S-1-SM FOR MANHOLE DIMENSIONS MINIMUM OF 9" DEPTH.
 - TRAFFIC BEARING FRAME AND COVER ONLY. HEAVY DUTY.

REFERENCES
 DETAIL 510S-S&L-SM
 DETAIL 1100S-1-SM

The City of San Marcos Engineering and Capital Improvements		EXISTING WASTEWATER CLEANOUT ADJUSTMENT TO GRADE IN DRIVEWAY	
RECORD COPY SIGNED BY	9/13/2016	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD	520S-4-SM
Laurie Moyer, P.E.	ADOPTED	N.T.S.	STANDARD DETAIL



DIMENSIONS		
	WASTEWATER ACCESS STRUCTURE	GATE VALVE
T	3" BELOW TOP OF CONE (9" MIN.)	6"
W	12"	8"

- NOTES:
- THE CONCRETE COLLAR SHALL BE REINFORCED WITH #4 BARS AS SHOWN. THE CONCRETE SHALL EXTEND TO EDGE OF SAW CUT PAVEMENT EDGE.
 - REBAR WILL BE PLACED IN TWO LAYERS. FIRST LAYER (1/3 T) FROM TOP OF COLLAR AND SECOND LAYER (2/3 T) FROM TOP OF COLLAR. IF (T) IS 12" OR LESS ONE LAYER OF REBAR WILL BE USED, PLACED MID POINT BETWEEN TOP AND BOTTOM OF COLLAR.
 - REQUIREMENTS FOR NEW MANHOLE CONSTRUCTION AND MINOR MANHOLE ADJUSTMENTS IN NEW RECONSTRUCTION AND REPAIRING PROJECTS ARE INCLUDED IN DETAIL NO. 506S-3-SM, 506S-8-SM, 506S-8A-SM AND 506S-10-SM.
 - REFER TO TRENCH DETAIL FOR ADDITIONAL BACKFILL REQUIREMENTS WITH APPROPRIATE CONDITIONS.

REFERENCES
 DETAIL 506S-4-SM

The City of San Marcos Engineering and Capital Improvements		Concrete Riser Collar	
RECORD COPY SIGNED BY	9/13/2016	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD	1100S-1-SM
Laurie Moyer, P.E.	ADOPTED	N.T.S.	STANDARD DETAIL

ALAN PLUMMER ASSOCIATES, INC.
 ENVIRONMENTAL ENGINEERS AND SCIENTISTS
 63001 A. CALMA DRIVE, SUITE 400
 AUSTIN, TEXAS 78752-3843
 PHONE: 512-452-5905 FAX: 512-452-2325
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CITY OF WIMBERLEY 221 Stillwater Wimberley, TX 78676			

CITY OF WIMBERLEY
 WASTEWATER TREATMENT PLANT AND
 COLLECTION SYSTEM PROJECT
 STANDARD DETAILS
 CIVIL VI

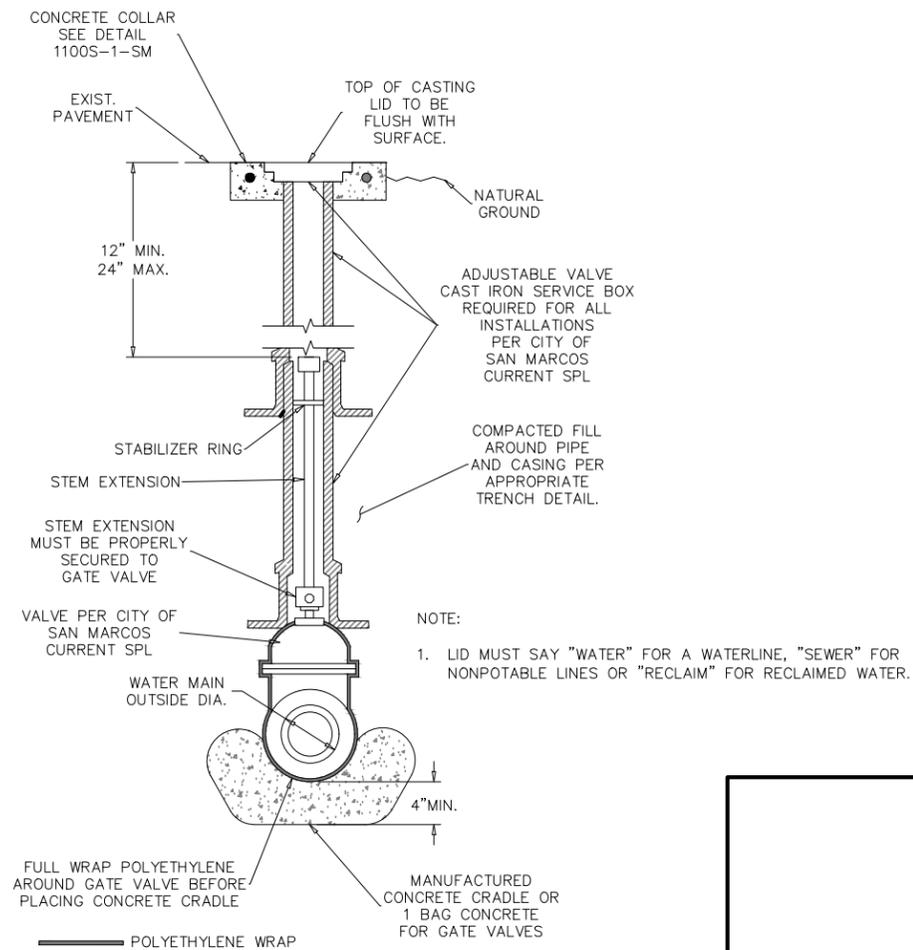
STATE OF TEXAS
 LICENSED PROFESSIONAL ENGINEER
 65516
 Stephen J. Coonan
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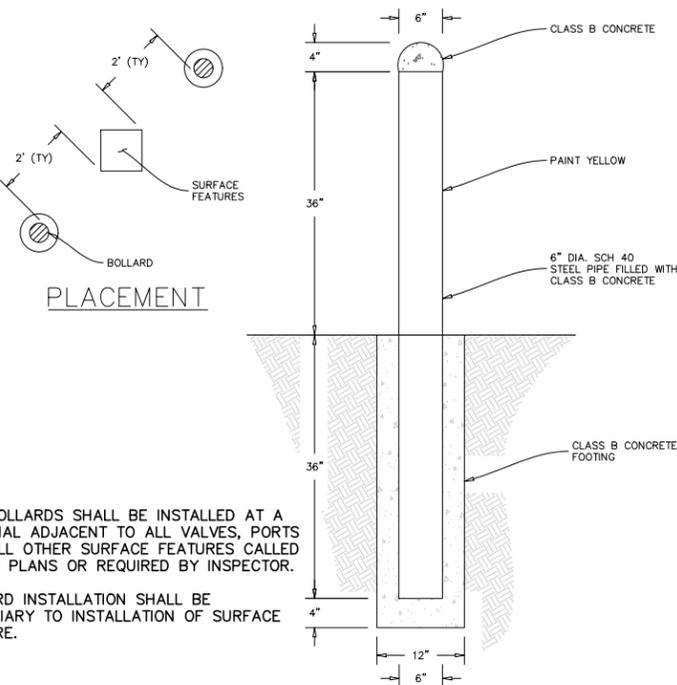
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 REVIEWED APAI

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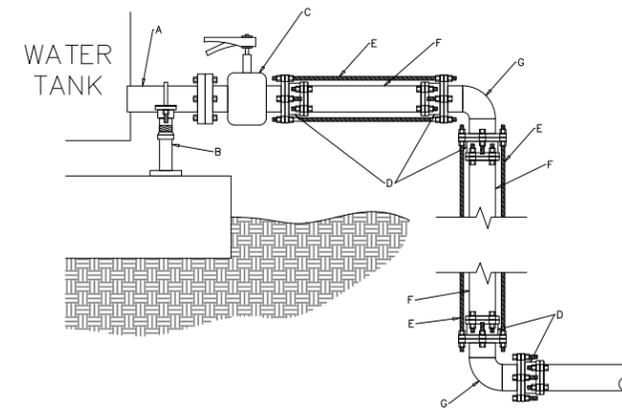
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GATE VALVE 511S
NOT TO SCALE

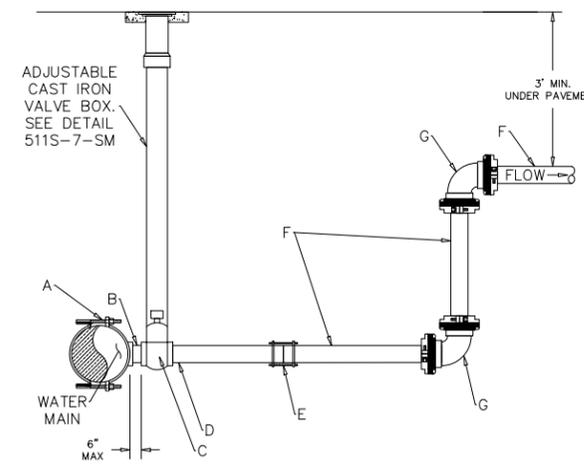


PIPE BOLLARD 500S
NOT TO SCALE



MATERIALS	
LABEL	ITEM
A	CARRIER PIPE TANK CONNECTION X FLANGE
B	PIPE SUPPORT. (ANVIL INTERNATIONAL, INC. PIPE SUPPORT AND STAND "FIG. 265 AND FIG. 63T" OR APPROVED EQUIVALENT.)
C	BUTTERFLY VALVE FLANGE X FLANGE
D	STEEL FLANGE COUPLING ADAPTOR
E	FULLY THREADED ROD
F	PIPE
G	DUCTILE IRON 90° BEND FLANGE X FLANGE

WATER TANK OUTLET 510S
NOT TO SCALE



2 INCH TAP MATERIAL LIST		
LABEL	ITEM	SIZE
A	APPROVED TAPPING SADDLE/SLEEVE.	REQUIRED
B	GALVANIZED NIPPLE-THREADED	2"
C	TAPPING VALVE (RESILIENT WEDGE GATE, IRON BODY FEMALE/FEMALE) WITH VALVE BOX	2"
D	GALVANIZED NIPPLE-THREADED X THREADED RESTRAINT DRESSING COUPLINGS	2"
E	MAXI-GRIP OR APPROVED EQUIVALENT	2"
F	SUPPLY PIPE SCH. 80 FULLY RESTRAINED	2"
G	DUCTILE IRON 90° BEND - HARCO-KNUCKLE JOINT RESTRAINT, OR APPROVED EQUIVALENT.	2"

- NOTES
1. MAIN SIZE CAN NOT BE LESS THAN OR EQUAL TO TAP. TEE MAY BE USED WITH ENGINEERING DEPARTMENT APPROVAL FOR SIZE ON SIZE CONNECTION.
 2. BACKFILL AND EMBEDMENT WILL BE PER CITY DETAIL 510-S&L-SM.
 3. 3" SERVICE AND FIRE LINES WILL USE A 4" TAP AND HAVE A REDUCER TO A 3" LINE AFTER FIRST BEND LEADING TO A HORIZONTALLY LEVELED LINE.
 4. ALL PARTS WILL BE PER THE CURRENT CITY OF SAN MARCOS STANDARD PRODUCTS LIST.

2" WATER MAIN TAP 520S
NOT TO SCALE

ALAN PLUMMER ASSOCIATES, INC.
ENVIRONMENTAL ENGINEERS AND SCIENTISTS
6300 L.A. CALMA DRIVE, SUITE 400
AUSTIN, TEXAS 78752-3843
PHONE: 512-452-5905 - FAX: 512-452-2325
TEXAS REGISTERED ENGINEERING FIRM F-13

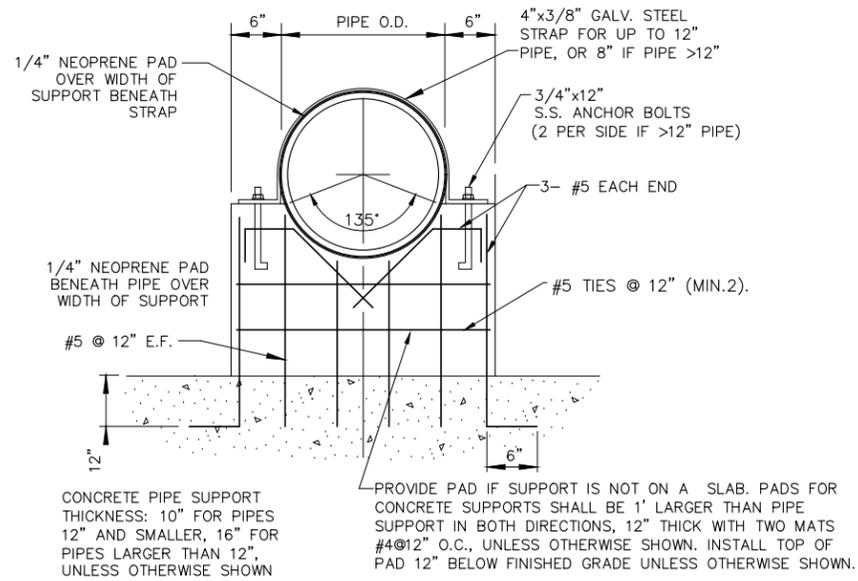
BY _____
REVISION _____
NO. _____ DATE _____
CITY OF WIMBERLEY
221 Stillwater
Wimberley, TX 78676

CITY OF WIMBERLEY
WASTEWATER TREATMENT PLANT AND
COLLECTION SYSTEM PROJECT
STANDARD DETAILS
MECHANICAL 1

STATE OF TEXAS
STEPHEN J. COONAN
65516
LICENSED PROFESSIONAL ENGINEER
12/15/16

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1732-002-01

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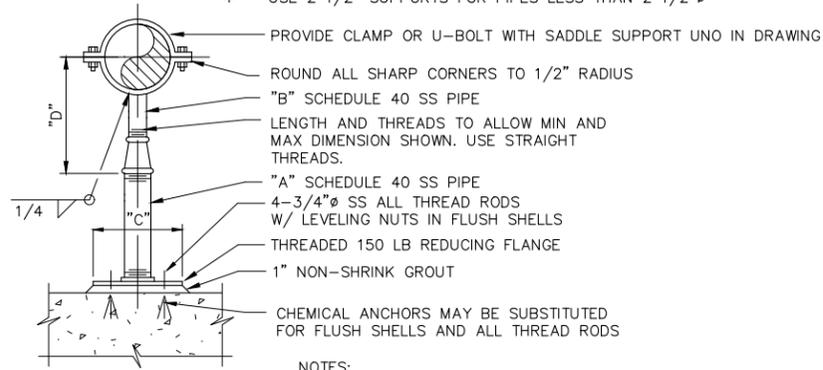
CONCRETE PIPE SUPPORT DETAIL (351)

NOT TO SCALE

ADJUSTABLE PIPE SADDLE SUPPORT SCHEDULE
DIMENSIONS IN INCHES

SIZE OF SUPPORTED PIPE	PIPE SIZE "A"	PIPE SIZE "B"	"C"	"D"	
				MINIMUM	MAXIMUM
2 1/2	2 1/2	1 1/2	9	8	13
3	2 1/2	1 1/2	9	8 1/2	13 1/2
3 1/2	2 1/2	1 1/2	9	8 1/2	13 1/2
4	3	2 1/2	9	9 1/2	14
6	3	2 1/2	9	10 1/2	15 1/2
8	3	2 1/2	9	11 1/2	16 1/2
10	3	2 1/2	9	13 1/2	18 1/2
12	3	2 1/2	9	15	19 1/2
14	4	3	11	16 1/2	20 1/2
16	4	3	11	17 1/2	22 1/2
18	6	3 1/2	13 1/2	19 1/2	24
20	6	3 1/2	13 1/2	21	25 1/2
24	6	4	13 1/2	23 1/2	28 1/2
30	6	4	13 1/2	27	31 1/2
32	6	4	13 1/2	28 1/2	32 1/2
36	6	4	13 1/2	30 1/2	34 1/2

* USE 2 1/2" SUPPORTS FOR PIPES LESS THAN 2 1/2"Ø



NOTES:

- ALL MATERIALS 316 SS.
- REFER TO CONCRETE BASE FOR 12" DUCT IN DETAIL 4, FA-10 FOR STANCHIONS INSTALLED IN YARD

ADJUSTABLE STANCHION PIPE SUPPORT (352)

NOT TO SCALE

ALAN PLUMMER ASSOCIATES, INC.
ENVIRONMENTAL ENGINEERS AND SCIENTISTS
65001 A. CALMA DRIVE, SUITE 400
AUSTIN, TEXAS 78752-3843
PHONE: 512-452-5905 FAX: 512-452-2325
TEXAS REGISTERED ENGINEERING FIRM F-13

NO.	DATE	REVISION	BY

CITY OF WIMBERLEY
221 Stillwater
Wimberley, TX 78676

CITY OF WIMBERLEY
WASTEWATER TREATMENT PLANT AND
COLLECTION SYSTEM PROJECT
STANDARD DETAILS
MECHANICAL II



BAR IS ONE INCH ON ORIGINAL DRAWING.
ONE INCH

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DRAWN APAI
CHECKED APAI
REVIEWED APAI

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Dwg. No. **M-1001**

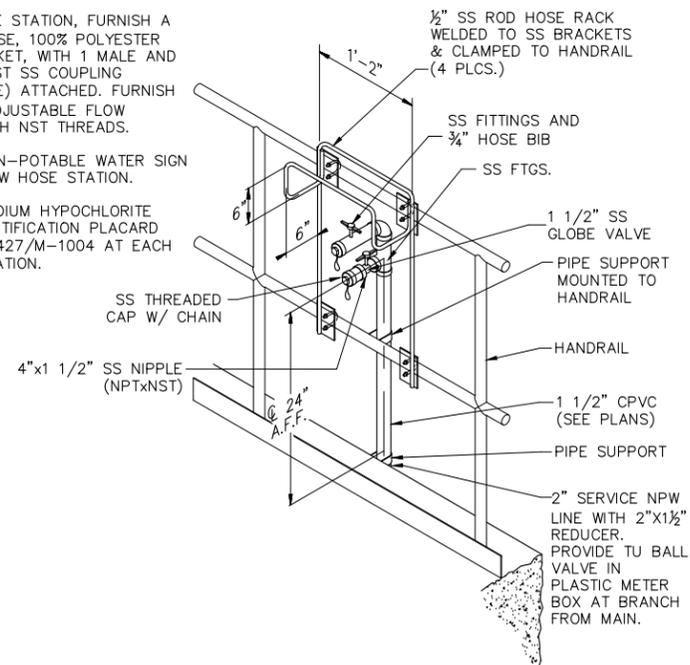
1732-002-01

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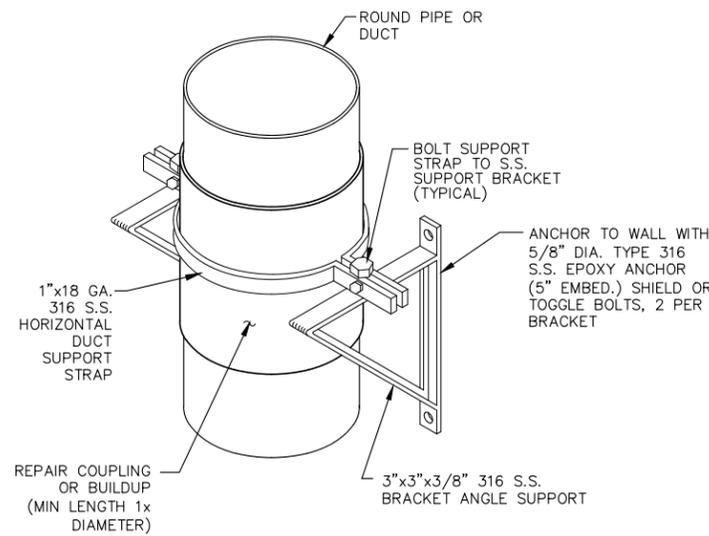
NOTE:
 1. AT EA. HOSE STATION, FURNISH A 50' 1 1/2" HOSE, 100% POLYESTER DOUBLE JACKET, WITH 1 MALE AND 1 FEMALE NST SS COUPLING (SWIVEL TYPE) ATTACHED. FURNISH A SS 1 1/2" ADJUSTABLE FLOW NOZZLES WITH NST THREADS.

2. PROVIDE NON-POTABLE WATER SIGN AT EACH NPW HOSE STATION.

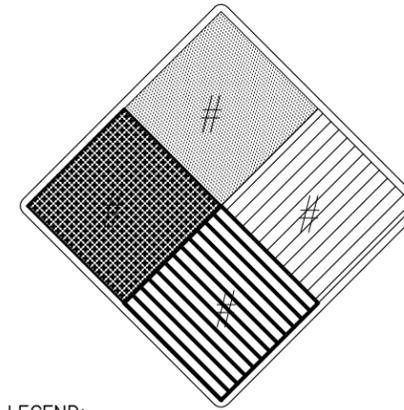
3. PROVIDE SODIUM HYPOCHLORITE HAZARD IDENTIFICATION PLACARD PER DETAIL 427/M-1004 AT EACH SH HOSE STATION.



HANDRAIL MOUNTED HOSE STATION 304
 NOT TO SCALE



VERTICAL SUPPORT 500
 NOT TO SCALE



LEGEND:

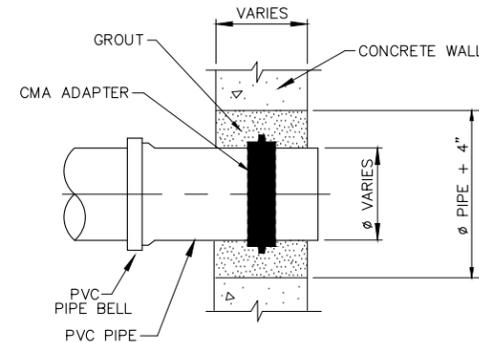
[Blue pattern]	BLUE	HEALTH HAZARD
[Red pattern]	RED	FIRE HAZARD
[Yellow pattern]	YELLOW	REACTIVITY
[White pattern]	WHITE	SPECIAL NOTICE

NOTES:

- SIGNS SHALL BE OF THE SELF-ADHESIVE VINYL TYPE FOR MOUNTING ON TANKS, AND METAL FOR MOUNTING TO WALLS. WALL MOUNTED SIGNS SHALL BE PROVIDED AT EACH ENTRANCE GATE TO THE PLANT AND AT EACH EXTERIOR PERSONNEL DOOR INTO THE SECONDARY TREATMENT BUILDING.
- SIGNS SHALL MEASURING 1'-6" x 1'-6" FOR THE BULK STORAGE TANK AND 1'-0" x 1'-0" FOR THE DAY TANKS.
- THE CONTRACTOR SHALL VERIFY IDENTIFICATION MARKINGS FOR THE SIGNS PRIOR TO PURCHASE.
- THE TABLE PROVIDED IN THIS DETAIL IS FOR REFERENCE AND SHALL BE VERIFIED.
- LETTERING SHALL HAVE A MINIMUM HEIGHT OF 5-3/4-INCHES FOR THE BULK STORAGE TANK PLACARDS.
- LETTERING SHALL HAVE A MINIMUM HEIGHT OF 4-1/8-INCHES FOR THE DAY STORAGE TANK PLACARDS.

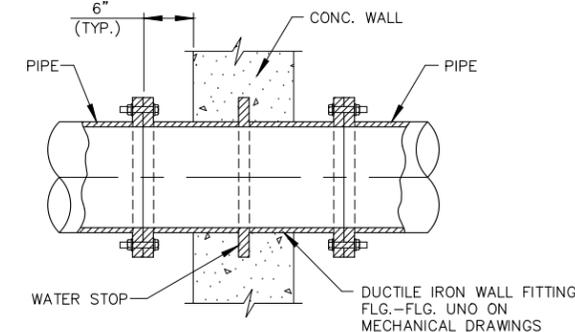
CHEMICAL	HEALTH HAZARD	FIRE HAZARD	REACTIVITY	SPECIAL NOTICE
ALUMINUM SULFATE	3	0	0	#
SODIUM HYPOCHLORITE	3	0	2	OX

HAZARD IDENTIFICATION PLACARD 427
 NOT TO SCALE

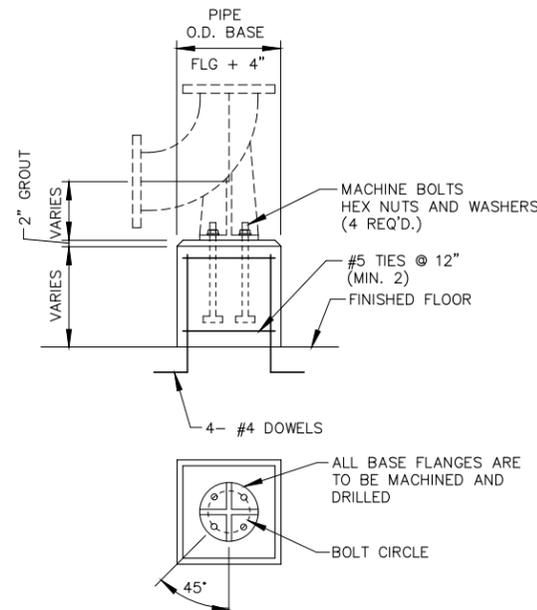


PVC WALL PENETRATION 332
 NOT TO SCALE

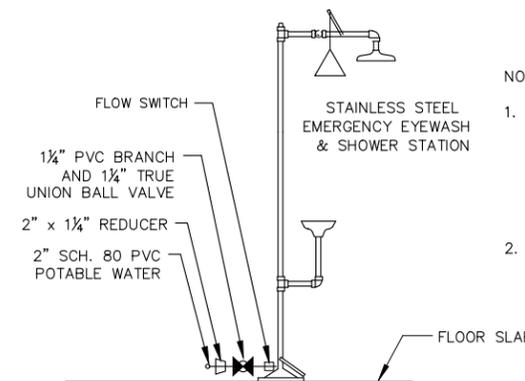
WALL FITTINGS CAN BE FLG.-FLG. (SHOWN), FLG.-MJ FLG.-PE, MJ-MJ, MJ-PE, PE-PE.



STEEL OR DIP WALL FITTING 320
 NOT TO SCALE



BASE ELBOW PIPE SUPPORT 353
 NOT TO SCALE



NOTES:

- EYEWASH UNITS SHALL BE EYEWASH/SHOWER COMBINATION WITH INSULATION AND HEAT TRACING FOR FREEZE PROOF OPERATION. INDIVIDUAL OPERATION OF 10-INCH DELUX SHOWER HEAD AND TWIN FACE SPRAY UNITS SHALL BE PROVIDED. PROVIDE TEMPERATURE ACTUATED BLEED VALVES. UNITS SHALL BE HAWS MODEL 8317 CTFP OR APPROVED EQUIVALENT.
- MOUNT TO SLAB PER MANUFACTURER'S INSTRUCTIONS. USE 316 SS EPOXY ANCHORS

EMERGENCY SHOWER AND EYEWASH 390
 NOT TO SCALE

ALAN PLUMMER ASSOCIATES, INC.
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NO. DATE REVISION BY
 CITY OF WIMBERLEY
 221 Stillwater
 Wimberley, TX 78676

CITY OF WIMBERLEY
 WASTEWATER TREATMENT PLANT AND COLLECTION SYSTEM PROJECT
 STANDARD DETAILS
 MECHANICAL III

STATE OF TEXAS
 LICENSED PROFESSIONAL ENGINEER
 STEPHEN J. COONAN
 65516
 12/15/16

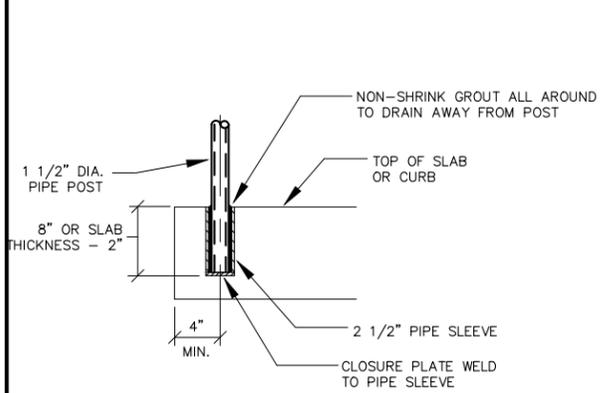
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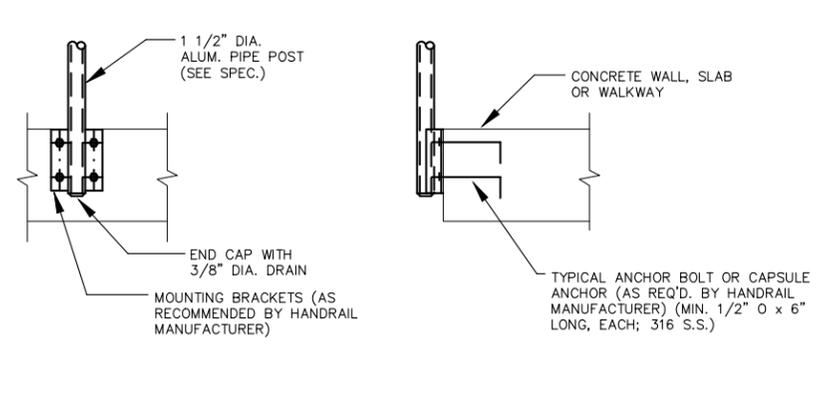
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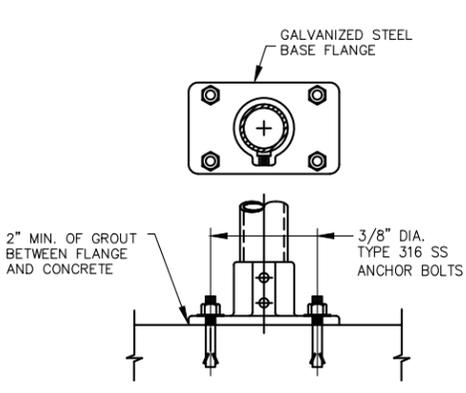
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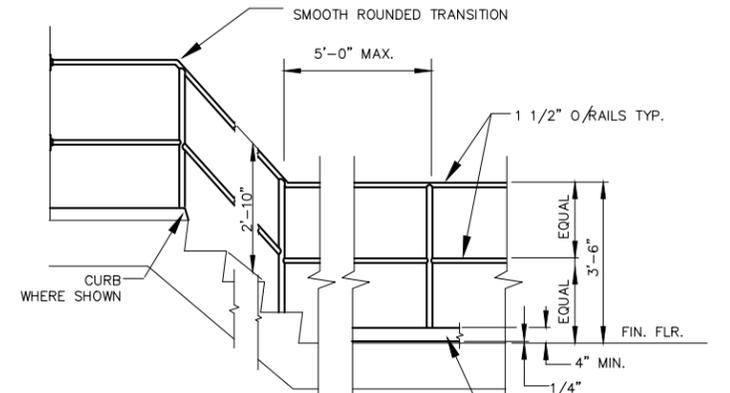
TOP MOUNTED HANDRAIL



SIDE MOUNTED HANDRAIL



BASE FLANGE DETAIL

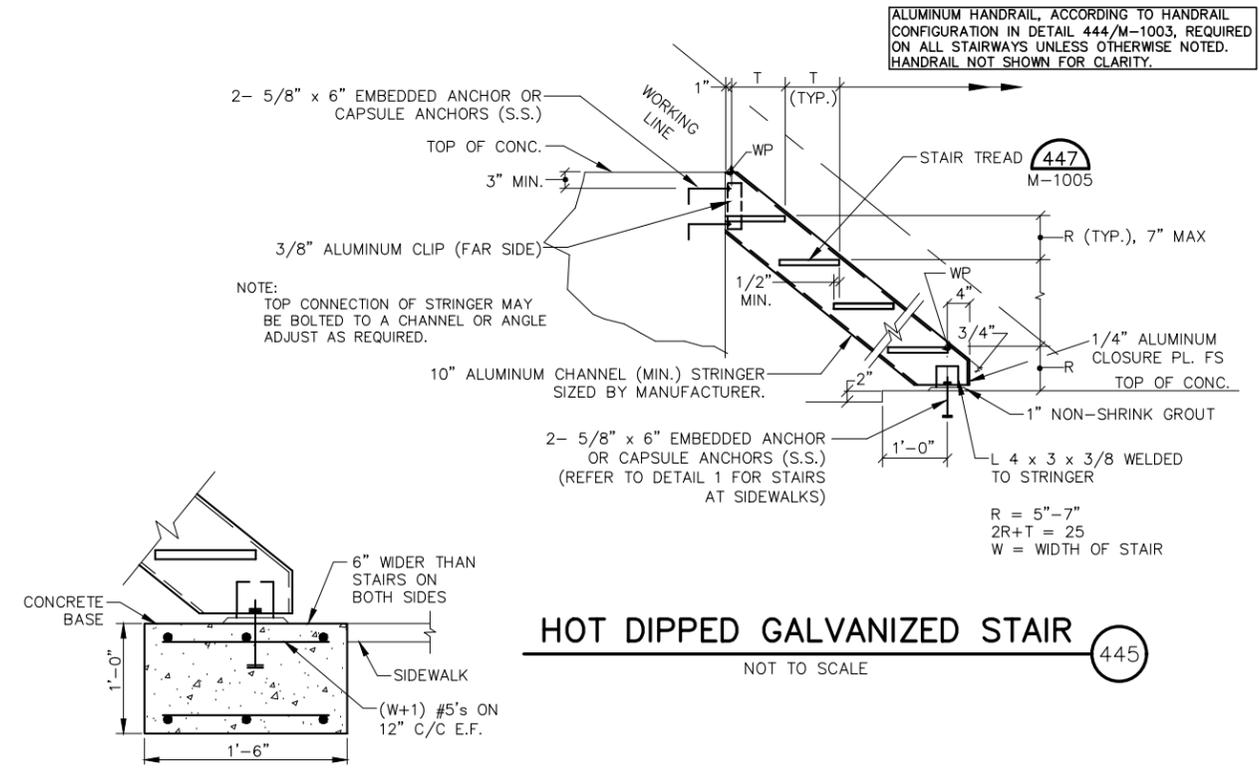


HANDRAIL CONFIGURATION

- NOTES:
1. RAILING POST LOCATIONS SHALL BE FIELD MEASURED & RAILING FABRICATED TO FIT.
 2. ALL HANDRAILS SHALL BE ALUMINUM.
 3. PROVIDE EXPANSION JOINTS IN HANDRAIL AT 20'-0" MAXIMUM SPACING & AT ALL EXPANSION JOINTS IN CONCRETE STRUCTURES.

TYPICAL ALUMINUM HANDRAIL DETAILS 444

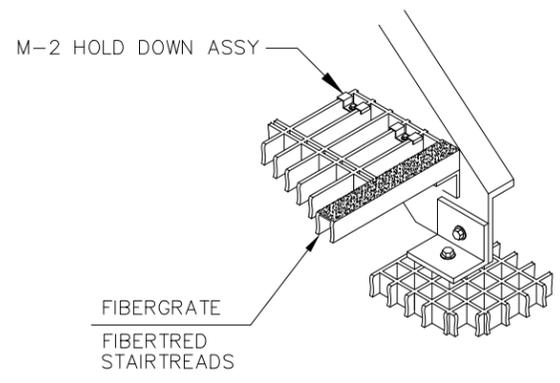
NOT TO SCALE



HOT DIPPED GALVANIZED STAIR 445

NOT TO SCALE

DETAIL 1 NOT TO SCALE



STAIR TREAD 447

NOT TO SCALE

ALUMINUM HANDRAIL, ACCORDING TO HANDRAIL CONFIGURATION IN DETAIL 444/M-1003, REQUIRED ON ALL STAIRWAYS UNLESS OTHERWISE NOTED. HANDRAIL NOT SHOWN FOR CLARITY.

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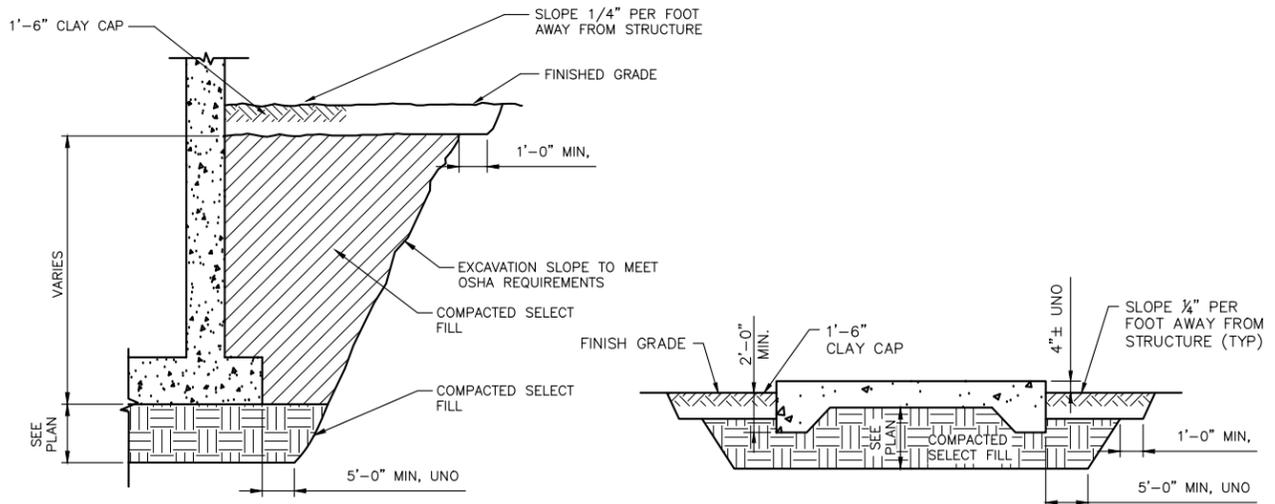
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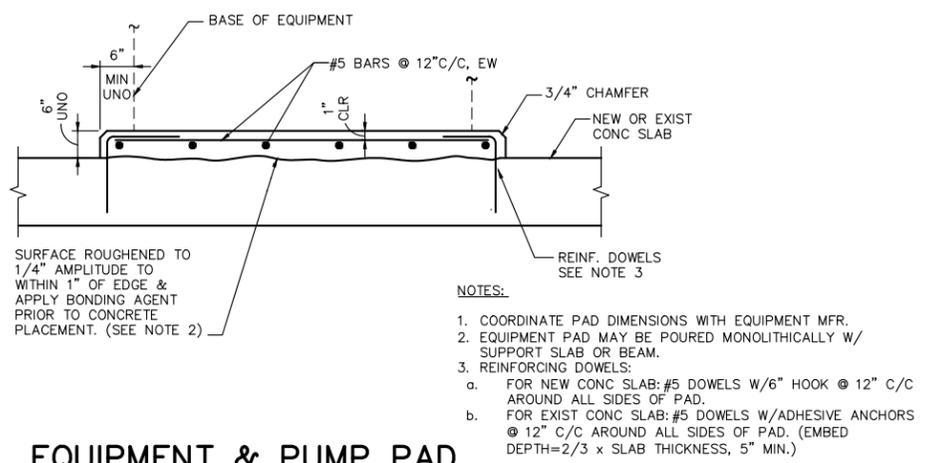
BELOW GRADE STRUCTURE

SLAB ON GRADE

- NOTES:**
- UNLESS OTHERWISE INDICATED ON THE PLANS, THIS DETAIL IS REPRESENTATIVE OF THE REQUIRED EXCAVATION AND BACKFILL FOR ALL STRUCTURES IN THIS CONTRACT.
 - EXCAVATION LINE IS FOR REFERENCE ONLY AND NOT SHOWN TO ANY SCALE OR SLOPE. EXCAVATION SHALL CONFORM TO SPECIFICATIONS AND TRENCH SAFETY REQUIREMENTS.
 - UNLESS OTHERWISE INDICATED ON THE PLAN, SUBGRADE AND FILL MATERIAL SHALL BE PREPARED AS FOLLOWS:
 - THE MINIMUM DEPTH OF THE SOILS BELOW THE BOTTOM OF THE FOUNDATION SLAB INDICATED ON THE PLANS SHALL BE REMOVED AND REPLACED WITH SELECT FILL AND COMPACTED TO THE DENSITY REQUIRED.
 - UNLESS OTHERWISE INDICATED ON THE PLANS, THE SELECT FILL SHALL BE PLACED TO EXTEND AT LEAST 5 FEET LATERALLY BEYOND THE PERIMETER OF THE FOUNDATION.
 - THE BOTTOM OF THE EXCAVATION SHALL BE PROOFROLLED IN THE PRESENCE OF AND APPROVED BY A QUALIFIED GEOTECHNICAL ENGINEER TO LOCATE ANY SOFT OR UNSTABLE AREAS. IF PRESENT, THESE SOFT OR LOOSE SOILS SHALL BE REMOVED TO A STABLE SUBGRADE AND REPLACED WITH COMPACTED SELECT FILL.
 - FOLLOWING PROOFROLLING, THE UPPER 12 INCHES OF SUBGRADE AT THE BASE OF THE EXCAVATION SHALL BE MOISTURE CONDITIONED TO BETWEEN OPTIMUM AND +4 PERCENTAGE POINTS OF OPTIMUM MOISTURE CONTENT AND COMPACTED TO AT LEAST 95 PERCENT OF ASTM D 698.

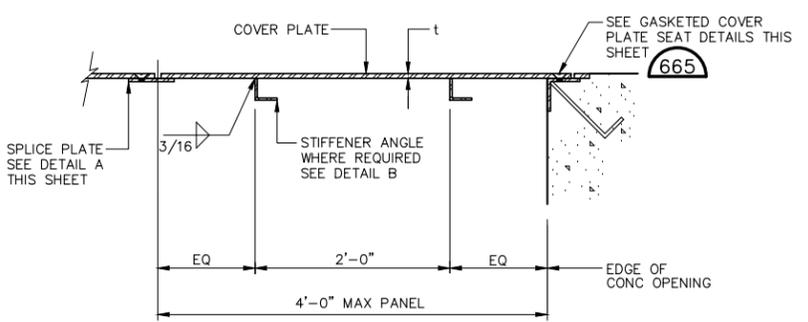
- AFTER MOISTURE CONDITIONING AND COMPACTING THE SUBGRADE, SELECT FILL SHALL BE PLACED WITHIN THE EXCAVATION IN LOOSE LIFTS WITH A MAXIMUM 8-INCH THICKNESS. FILL PLACED ALONG SLOPES SHALL BE PLACED IN HORIZONTAL LIFTS THAT ARE BENCHED INTO THE SLOPE.
- EACH LIFT OF SELECT FILL SHALL BE COMPACTED TO AT LEAST 98% OF THE MAXIMUM DRY DENSITY DETERMINED BY ASTM D 698 AT MOISTURE CONTENTS BETWEEN -2 AND +3 PERCENTAGE POINTS OF OPTIMUM MOISTURE CONTENT. THE SELECT FILL SHALL BE PLACED WITHIN 48 HOURS OF COMPLETION OF THE SUBGRADE COMPACTION.
- SELECT FILL SHALL CONSIST OF A CRUSHED LIMESTONE BASE MATERIAL MEETING THE REQUIREMENTS OUTLINED IN TXDOT ITEM 247, TYPE A, GRADES 1 OR 2. ALL SELECT FILL SHALL HAVE SULFATE CONCENTRATIONS LESS THAN 500 PPM.
- PLACE 1'-6" OF IMPERVIOUS CLAY "CAP" FREE OF ORGANIC MATERIALS AT GRADE TO COVER ENTIRE AREA OF THE FILLED SELECT FILL. UNLESS THE SELECT FILL WILL BE COVERED BY A PROPOSED CONCRETE PAVING INDICATED ON THE PLANS.
- THE CLAY "CAP" SHALL CONSIST OF CLAY SOILS HAVING A PI BETWEEN 15 AND 35 AND AT LEAST 40% PASSING THE NO. 200 SIEVE AND BE COMPACTED TO A MINIMUM OF 95 PERCENT OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D698. THE MOISTURE CONTENT OF THE FILL SHALL BE WITHIN -2 TO +3 % OF THE OPTIMUM MOISTURE AS DETERMINED BY ASTM D698.
- THE SITE PREPARATION OPERATIONS SHALL BE OBSERVED AND TESTED BY A GEOTECHNICAL ENGINEER.

EXCAVATION AND BACKFILL 626
NOT TO SCALE



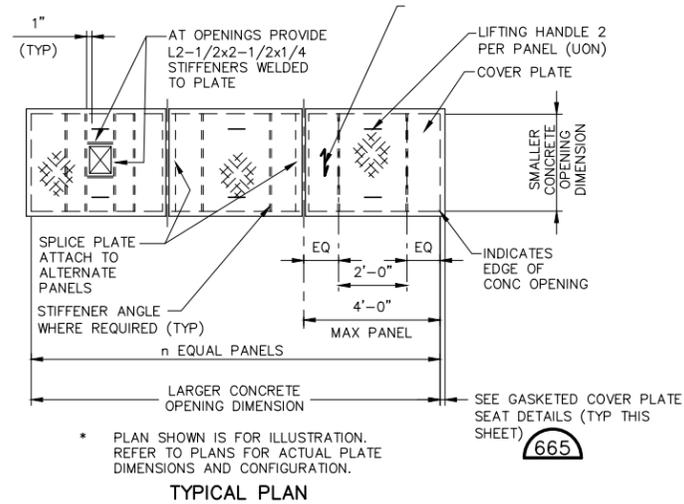
EQUIPMENT & PUMP PAD REINFORCING DETAIL 606
NOT TO SCALE

- NOTES:**
- COORDINATE PAD DIMENSIONS WITH EQUIPMENT MFR.
 - EQUIPMENT PAD MAY BE POURED MONOLITHICALLY W/ SUPPORT SLAB OR BEAM.
 - REINFORCING DOWELS:
 - FOR NEW CONG SLAB: #5 DOWELS W/6" HOOK @ 12" C/C AROUND ALL SIDES OF PAD.
 - FOR EXIST CONG SLAB: #5 DOWELS W/ADHESIVE ANCHORS @ 12" C/C AROUND ALL SIDES OF PAD. (EMBED DEPTH=2/3 x SLAB THICKNESS, 5" MIN.)

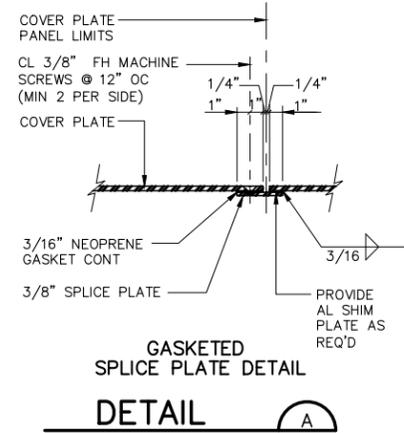


TYPICAL SECTION
t = 3/8", UNLESS OTHERWISE NOTED

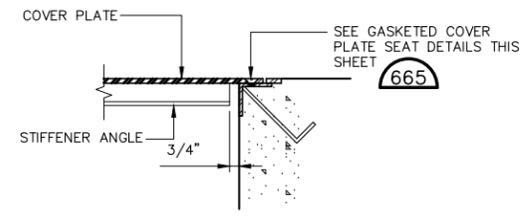
COVER PLATE DETAILS 664
NOT TO SCALE



TYPICAL PLAN
* PLAN SHOWN IS FOR ILLUSTRATION. REFER TO PLANS FOR ACTUAL PLATE DIMENSIONS AND CONFIGURATION.



GASKETED SPLICE PLATE DETAIL
DETAIL A

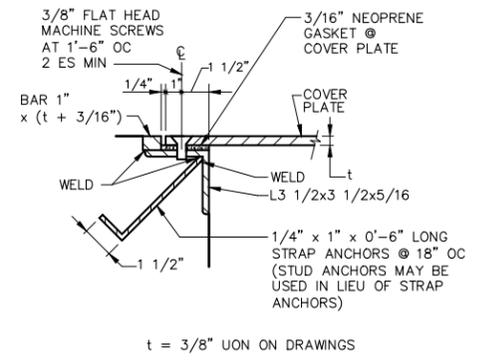


STIFFENER ANGLE END DETAIL
DETAIL B

SPAN	STIFFENER SIZE
<=3'-6"	L2 1/2 X 1 1/2 X 1/4"
<=4'-6"	L3 X 2 X 3/8"
<=6'-0"	L3 1/2 X 3 X 3/8"

- NOTES:**
- COVER PLATES, ANGLE FRAMES AND STIFFENERS SHALL BE ALUMINUM. ALL FASTENERS AND ANCHORS SHALL BE TYPE 316 STAINLESS STEEL.
 - ALL ANGLE FRAMES FOR COVER PLATES ARE TO BE MITERED AND WELDED AT CORNERS.
 - ALL COVER PLATES SHALL BE SECURELY FASTENED TO SUPPORTS WITH 3/8" STAINLESS STEEL FLAT-HEAD MACHINE SCREWS AT 1'-6" ON CENTER, UNLESS OTHERWISE NOTED.
 - PLACE STIFFENERS PARALLEL TO THE SHORTER SPAN BETWEEN SUPPORTS OF THE PLATE OR AS INDICATED ON THE PLANS. PLACE LONG LEG OF STIFFENERS PERPENDICULAR TO THE PLATES.
 - ALL PLATES SHALL BE PROVIDED IN SECTIONS WITH LIFTING HANDLE AS DETAILED. A MINIMUM OF TWO STIFFENERS SHALL BE PROVIDED IN EACH PLATE SECTION.
 - PROVIDE DISSIMILAR MATERIAL PROTECTION FOR ALUMINUM IN CONTACT WITH CONCRETE PER SPECIFICATION.

GASKETED COVER PLATE SEAT 665
NOT TO SCALE



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CITY OF WIMBERLEY
WASTEWATER TREATMENT PLANT AND
COLLECTION SYSTEM PROJECT
STANDARD DETAILS
STRUCTURAL I

STATE OF TEXAS
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65516
LICENSED PROFESSIONAL ENGINEER
12/15/16

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ONE-LINE DIAGRAM SYMBOLS

	ELECTRIC SERVICE METER
	WEATHERHEAD
	FUSE, RATING AS SHOWN
	TRANSFER SWITCH, SIZE AND NUMBER OF POLES AS SHOWN, ATS-AUTOMATIC, MTS-MANUAL, SATS-SERVICE ENTRANCE AUTO
	INSTRUMENT CLASS CURRENT TRANSFORMER, NUMBER AS SHOWN
	VOLTAGE TRANSFORMER, INSTRUMENT CLASS, FUSED PRIMARY AND SECONDARY, NUMBER AS INDICATED
	ZERO SEQUENCE INSTRUMENT CLASS CURRENT TRANSFORMER, NUMBER AS SHOWN
	LOW VOLTAGE THERMAL MAGNETIC CIRCUIT BREAKER, SIZE AND NUMBER OF POLES AS INDICATED
	FULL VOLTAGE, NON-REVERSING MOTOR STARTER, SIZE AS INDICATED
	FULL VOLTAGE, NON-REVERSING COMBINATION MOTOR STARTER, SIZE AS INDICATED
	FULL VOLTAGE, TWO SPEED MOTOR STARTER, SIZE AS INDICATED
	FULL VOLTAGE, REVERSING MOTOR STARTER, SIZE AS INDICATED

	MOTOR, HORSEPOWER AS INDICATED
	MOTOR WINDING HEATER
	MOTOR OR STARTER ENCLOSURE SPACE HEATER
	MOISTURE/LEAKAGE SENSOR
	THERMISTORS
	RESISTANCE TEMPERATURE DETECTORS (RTD'S) AND THERMISTORS
	RESISTANCE TEMPERATURE DETECTORS (RTD'S)
	FUSED DISCONNECT SWITCH, SIZE AS INDICATED, SWITCH/FUSE
	NONFUSED DISCONNECT SWITCH, SIZE AS INDICATED
	VIBRATION SWITCH
	LEVEL SWITCH
	PRESSURE SWITCH
	FLOW SWITCH
	THERMOSTAT
	ELECTRICAL CONNECTION

	CONTROL STATION, LOCATION AND FUNCTION AS INDICATED ON SCHEMATIC
	SOLENOID OPERATED VALVE
	TRANSFORMER, SIZE AS INDICATED, PRIMARY AND SECONDARY VOLTAGE AS INDICATED
	DRAWOUT TYPE VACUUM BREAKER, SIZE AS INDICATED
	DRAWOUT TYPE VACUUM BREAKER, SIZE AS INDICATED
	MEDIUM VOLTAGE FUSED MOTOR CONTROLLER
	DRAWOUT TYPE EQUIPMENT OF DEVICE
	MEDIUM VOLTAGE CABLE TERMINATION
	MEDIUM VOLTAGE AIR INTERRUPTER SWITCH
	MEDIUM VOLTAGE FUSED AIR INTERRUPTER SWITCH
	MECHANICAL KEY INTERLOCK "K1" DENOTES SEQUENCE K1
	LIGHTING ARRESTER
	JUNCTION BOX
	HAZARDOUS AREA SELL OFF

	SPECIAL CAPACITOR SC - SURGE CAPACITOR PF - POWER FACTOR CORRECTION CAPACITOR
	THREE PHASE DELTA CONNECTION
	THREE PHASE GROUNDED WYE CONNECTION
	THREE PHASE UNGROUNDED WYE CONNECTION
	CONDUIT SEALOFF
	CIRCUIT BREAKER - THERMAL MAGNETIC 3 POLE UNLESS INDICATED OTHERWISE
	CIRCUIT BREAKER WITH CURRENT LIMITING FUSES - TRIP AND FUSE RATING INDICATED. 3 POLE UNLESS INDICATED OTHERWISE.
	FUSED SWITCH - SWITCH AND FUSE CURRENT RATING INDICATED. 3 POLE UNLESS INDICATED OTHERWISE.
	SWITCH - CURRENT RATING INDICATED. 3 POLE UNLESS INDICATED OTHERWISE.
	DRAWOUT AIR CIRCUIT BREAKER LOW VOLTAGE. FRAME SIZE AND TRIP SETTING INDICATED.

	PLC POWER WIRE CALLOUT
	PLC CONTROL WIRE CALLOUT
	POWER PANEL WIRE CALLOUT
	LIGHTING PANEL WIRE CALLOUT
	MCC WIRE CALLOUT
	EQUIPMENT CALLOUT
	EQUIPMENT CALLOUT
	DOUBLE CALLOUT
	TRIPLE WIRE CALLOUT
	ELECTRICAL EQUIPMENT
	SYMBOL
	SYMBOL

1.	ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE AND LOCAL ELECTRICAL CODES.
2.	ALL JUNCTION BOXES SHALL BE NEMA 4X, 316 STAINLESS STEEL WITH 316 STAINLESS STEEL MOUNTING HARDWARE.
3.	MAINTAIN MAXIMUM PRACTICAL OPEN FLOOR SPACE AND WORKING SPACE AROUND EQUIPMENT. ROUTE CONDUITS SO NOT TO CREATE A TRIPPING HAZARD OR INTERFERE WITH OPERATING EQUIPMENT.
4.	CONDUITS SHALL BE CONCEALED TO GREATEST EXTEND POSSIBLE, UNLESS OTHERWISE APPROVED BY OWNER.
5.	COORDINATE EXACT EQUIPMENT STUB-UP LOCATIONS WITH EQUIPMENT MANUFACTURER, PRIOR TO ROUGH-IN.
6.	EXPOSED CONDUITS SHALL BE ALUMINUM. UNDERGROUND CONDUITS SHALL BE CONCRETE ENCASED PVC-40. CONDUITS TURNING UP OUT OF CONCRETE SHALL BE PVC-COATED ALUMINUM. REFER TO SPECIFICATIONS.
7.	EXPOSED CONDUITS IN CHEMICAL TANK STORAGE AREAS AND CHEMICAL BUILDINGS SHALL BE PVC COATED ALUMINUM.
8.	ALUMINUM CONDUIT OR UNISTRUT SHALL NOT BE IN DIRECT CONTACT WITH CONCRETE OR GROUT.
9.	ALL CONDUIT PENETRATIONS THROUGH MASONRY OR CONCRETE WALLS SHALL BE DONE WITH PVC-COATED ALUMINUM CONDUITS.
10.	ALL FASTENERS AND ANCHOR BOLTS SHALL BE STAINLESS STEEL EPOXY TYPE. WASHERS AND NUTS SHALL BE STAINLESS STEEL.
11.	THREADED, INSULATED AND GASKETED METALLIC HUBS RATED AS A RAIN-TIGHT CONNECTION SHALL BE USED FOR ALL CONDUITS PENETRATING ALL ENCLOSURES, PANELBOARDS, STARTERS, TERMINATION BOXES, MCC, PLC CABINETS, ETC. BUSHING SHALL BE GROUNDING OR NON-GROUNDING TYPE PER NFPA 70.

ELECTRICAL SYMBOLS

	GROUND ROD
	GROUND TEST WELL
	EXOTHERMIC WELD
	TELEPHONE OUTLET
	COMMUNICATIONS OUTLET
	STRUCTURED WIRE OUTLET
	CONVENIENCE RECEPTACLE, 120V.
	RECEPTACLE, 240V, 1PH OR 208V, 1PH
	WELDING RECEPTACLE
	MOTOR
	FIELD INSTRUMENT OR DEVICE
	PUSH BUTTON CONTROL STATION IN FIELD, LOCATION AND FUNCTION AS INDICATED
	NEMA 4X STAINLESS STEEL JUNCTION BOX
	GROUND
	POWER OR SERVICE POLE
	CONDUIT MARKER
	CONDUIT EXPANSION JOINT

	CEILING MOUNTED FIXTURE o = DENOTES SWITCH A = DENOTES FIXTURE TYPE LP-2 = DENOTES POWER CIRCUIT SEE FIXTURE SCHEDULE
	WALL MOUNTED LIGHT, TYPE AS NOTED
	POLE MOUNTED LIGHT, TYPE AS NOTED
	FLUORESCENT STRIP LIGHT o = DENOTES SWITCH A = DENOTES FIXTURE TYPE LP-2 = DENOTES POWER CIRCUIT
	UNSWITCHED LIGHT, TYPE AS NOTED
	EMERGENCY EXIT SIGN SEE FIXTURE SCHEDULE
	EMERGENCY FIXTURE SEE FIXTURE SCHEDULE
	EMERGENCY REMOTE LAMP HEADS SEE FIXTURE SCHEDULE
	WALL PACK SEE FIXTURE SCHEDULE
	3-POLE LIGHT SWITCH o = DENOTES SWITCH
	SINGLE LIGHT SWITCH o = DENOTES SWITCH

	CONDUIT TURNING UP
	CONDUIT TURNING DOWN
	CONDUIT END
	UNDERGROUND CONDUIT
	UNDERGROUND DUCTBANK
	EXPOSED CONDUIT
	CONCEALED CONDUIT, AS NOTED ON PLANS
	GROUND WIRE
	CONDUIT HOME RUN
	FLEXIBLE CONDUIT OR CABLE
	DETECTOR
	SOLID STATE DEVICE SUCH AS RECTIFIER OR SCR DRIVE.
	ALARM INDICATING DEVICE: BZ = BUZZER CH = CHIME

A	AMP
AFF	ABOVE FINISH FLOOR
AFG	ABOVE FINISH GRADE
AL	ALUMINUM
AUTO	AUTOMATIC
AUX	AXIAL
AWG	AMERICAN WIRE GAUGE
BATT	BATTERY
BKR	BREAKER
BLDG	BUILDING
C	CONDUCTORS, CONDUIT
C/C	CENTER TO CENTER
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CM	CONDUIT MARKER
CMH	COMMUNICATION MANHOLE
COND	CONDUIT
CPT	CONTROL POWER TRANSFORMER
CT	CURRENT TRANSFORMER
CU	COPPER
DISC	DISCONNECT
DWG	DRAWING
EHU	ELECTRIC UNIT HEATER
EL	ELEVATION
ELEV	ELEVATION
EMH	ELECTRICAL MANHOLE
EMT	ELECTRICAL METALLIC TUBING
ENCL	ENCLOSURE
EP	EXPLOSION PROOF
ETM	ELAPSED TIME METER
EX	EXISTING
EXIST	EXISTING
FDR	FEEDER
FLEX	FLEXIBLE CONDUIT
FLR	FLOOR
FO	FIBER OPTIC
FT	FEET
FUT	FUTURE
FWD	FORWARD
G	GROUND
GALV	GALVANIZED
GEN	GENERATOR
GFI	GROUND FAULT INTERRUPTER
GRD	GROUND
HID	HIGH INTENSITY DISCHARGE

HH	HANDHOLE
HP	HORSEPOWER
HPS	HIGH PRESSURE SODIUM
HZ	HERTZ
I/O	INPUT OUTPUT
INST	INSTANTANEOUS
INSTR	INSTRUMENT
JB	JUNCTION BOX
J-BOX	JUNCTION BOX
KCMIL	1,000 CIRCULAR MILS
KVA	KILO VOLTS AMPERES
KW	KILOWATTS
KWH	KILOWATT HOUR
LO	LOCKOUT
LOC	LOCAL
LOS	LOCKOUT STOP
LTG	LIGHTING
LTS	LIGHTS
M	MOTOR
MA	MILLIAMPER
MAN	MANUAL
MCC	MOTOR CONTROL CENTER
MCP	MOTOR CIRCUIT PROTECTOR
MFR	MANUFACTURER
MLO	MAIN LUGS ONLY
MTD	MOUNTED
MTR	MOTOR
N	NEUTRAL
NC	NORMALLY CLOSED
NEU	NEUTRAL
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OH	OVERHEAD
PB	PULL BOX, PUSHBUTTON
PC	PHOTO CELL
PF	POWER FACTOR
PH	PHASE
PLC	PROGRAMMABLE LOGIC CONTROLLER
PNL	PANEL
POT	POTENTIOMETER
PP	POWER POLE
PQM	POWER QUALITY METER
PR	PAIR
PRI	PRIMARY

PT	POTENTIAL TRANSFORMER
PTT	PUSH TO TEST
PVC	POLYVINYL CHLORIDE
REC	RECEPTACLE
RECPTS	RECEPTACLE
REQ'D	REQUIRED
REV	REVERSE
RGS	RIGID GALVANIZED STEEL
RTD	RESISTANCE TEMPERATURE DETECTORS
RTU	REMOTE TERMINAL UNIT
SCH	SCHEDULE
SEC	SECOND, SECONDARY
SH	SHIELD
SHLD	SHIELDED
SHT	SHEET
SOV	SOLENOID VALVE
SP	SPARE
SS	STAINLESS STEEL
SSTR	SOLID STATE STARTER
STA	STATION
STD	STANDARD
STR	STARTER
SW	SWITCH
TB	TERMINAL BLOCK
TDD	TIME DELAY DE-ENERGIZED
TDE	TIME DELAY ENERGIZED
TERM	TERMINAL
TP	TWISTED PAIR
TSP	TWISTED SHIELDED PAIR
T'STAT	THERMOSTAT
TYP	TYPICAL
UG	UNDERGROUND
V	VOLTAGE
VAC	VOLTAGE ALTERNATING CURRENT
VFD	VARIABLE FREQUENCY DRIVE
W	WATTS, WIRE
WHD	WATTHOUR DEMAND METER
WHM	WATTHOUR METER
WP	WEATHERPROOF
XFRM	TRANSFORMER
XMTR	TRANSMITTER

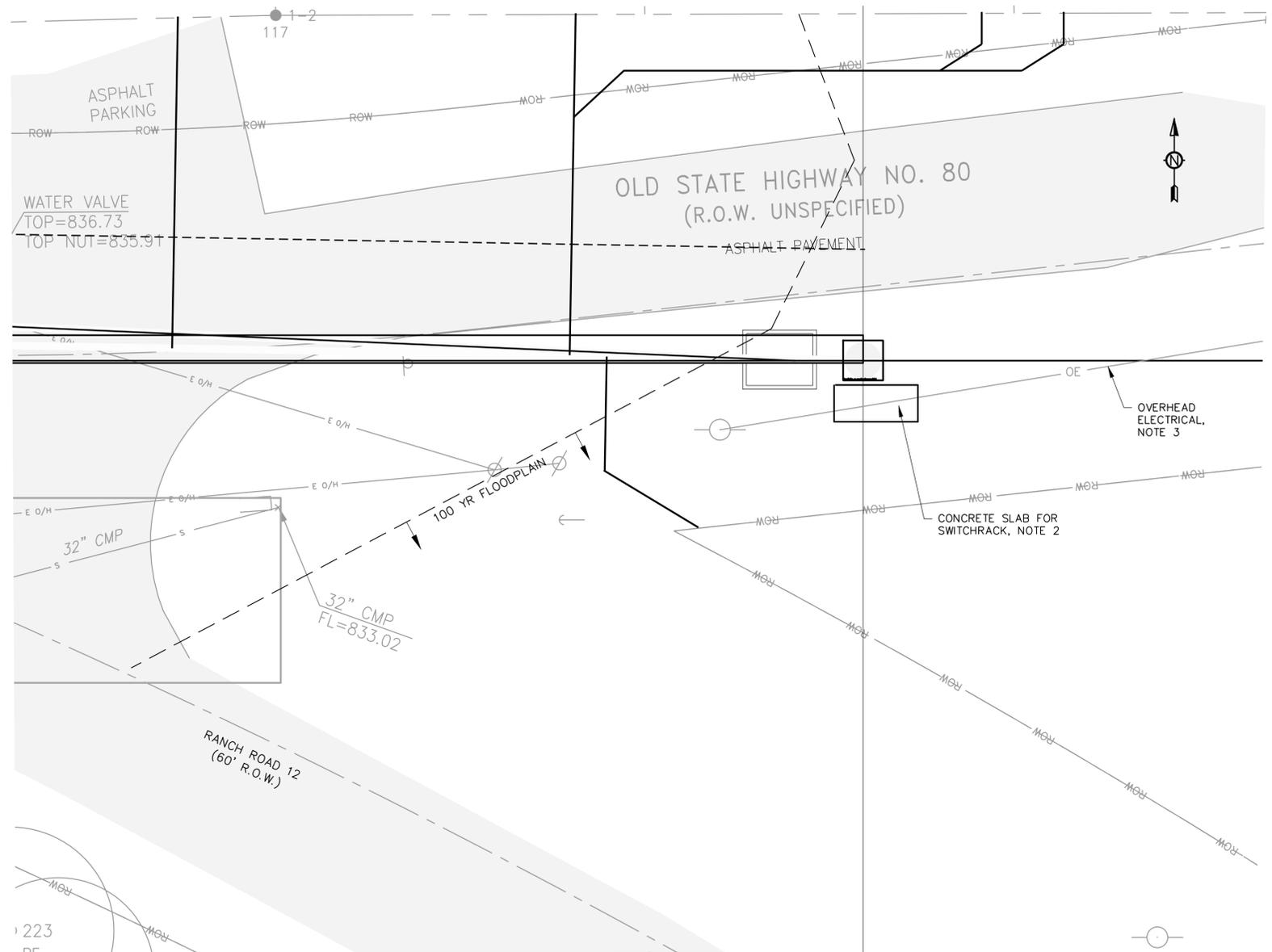
ALAN PLUMMER ASSOCIATES, INC.
 ENVIRONMENTAL ENGINEERS AND SCIENTISTS
 6300 L.A. CALIMA DRIVE, SUITE 400
 AUSTIN, TEXAS 78752-3843
 PHONE: 512-452-5905 FAX: 512-452-2325
 TEXAS REGISTERED ENGINEERING FIRM F-13

NO.	DATE	REVISION	BY

CITY OF WIMBERLEY
 WASTEWATER TREATMENT PLANT AND COLLECTION SYSTEM PROJECT
 221 Stillwater
 Wimberley, TX 78676

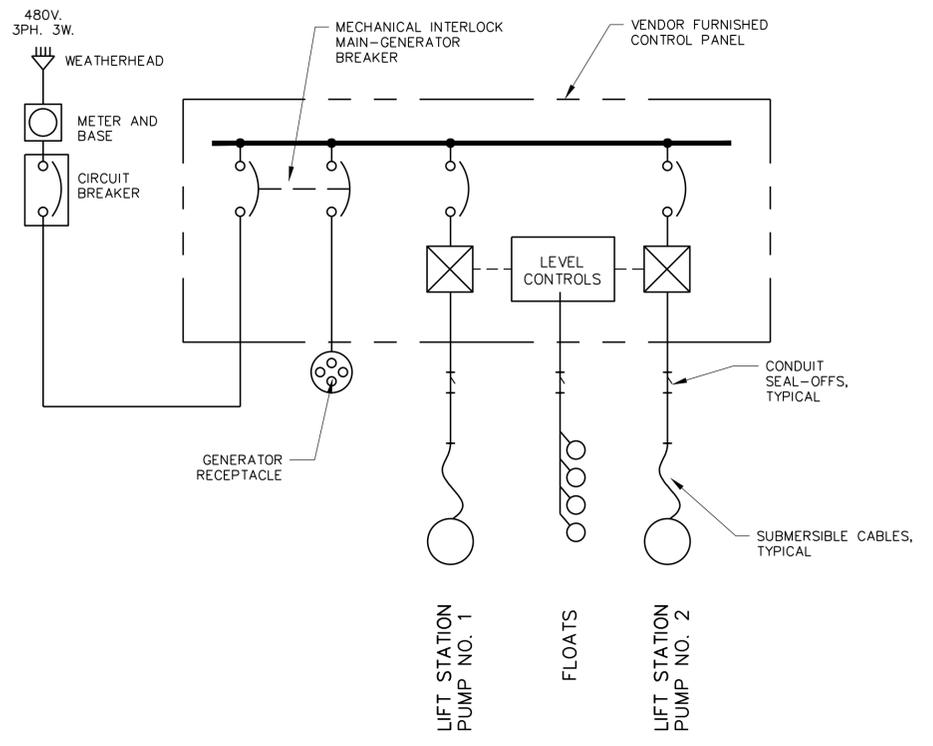
STATE OF TEXAS
 PATRICK N. MOSELEY
 72794
 LICENSED PROFESSIONAL ENGINEER
 12/14/16

DESIGNED	P. MOSELEY
DRAWN	APAI
CHECKED	P. MOSELEY
REVIEWED	P. MOSELEY
Seq.	of
Dwg. No.	E-001
	1732-002-01



SITE PLAN
SCALE: 1"=10'

- GENERAL NOTES:
- REFER TO E-001 FOR ADDITIONAL NOTES.
 - CONTRACTOR SHALL ELEVATE TOP OF SWITCHGEAR PAD TO AN ELEVATION 433.50 BY EITHER ELEVATING THE SLAB BY GRADE WORK OR A THICKER CONCRETE SLAB. PAD SHALL NOT INTERFERE WITH DRAINAGE AROUND LIFT STATION.
 - CONTRACTOR SHALL COORDINATE RELOCATION, PROTECTION OR TEMPORARY DISCONNECTION OF THE OVERHEAD POWER LINES TO INSTALL LIFT STATION AND REQUIRED SWITCHRACK.

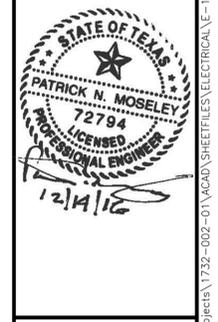


ONE-LINE DIAGRAM
NTS

ALAN PLUMMER ASSOCIATES, INC.
ENVIRONMENTAL ENGINEERS AND SCIENTISTS
6300 L.A. CALMA DRIVE, SUITE 400
AUSTIN, TEXAS 78752-3843
PHONE: 512-452-5905 FAX: 512-452-2325
TEXAS REGISTERED ENGINEERING FIRM F-13

NO.	DATE	REVISION	BY

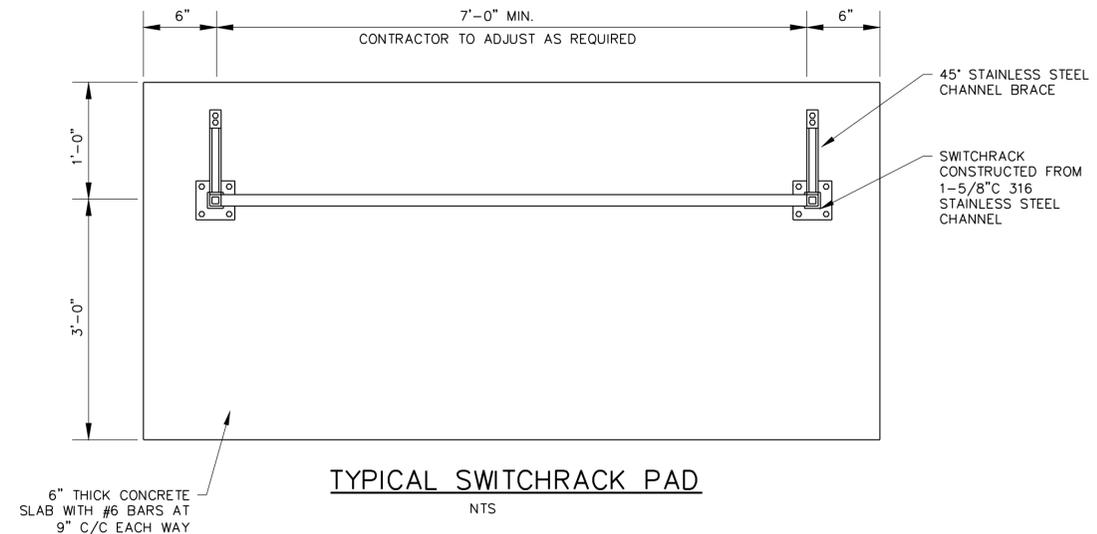
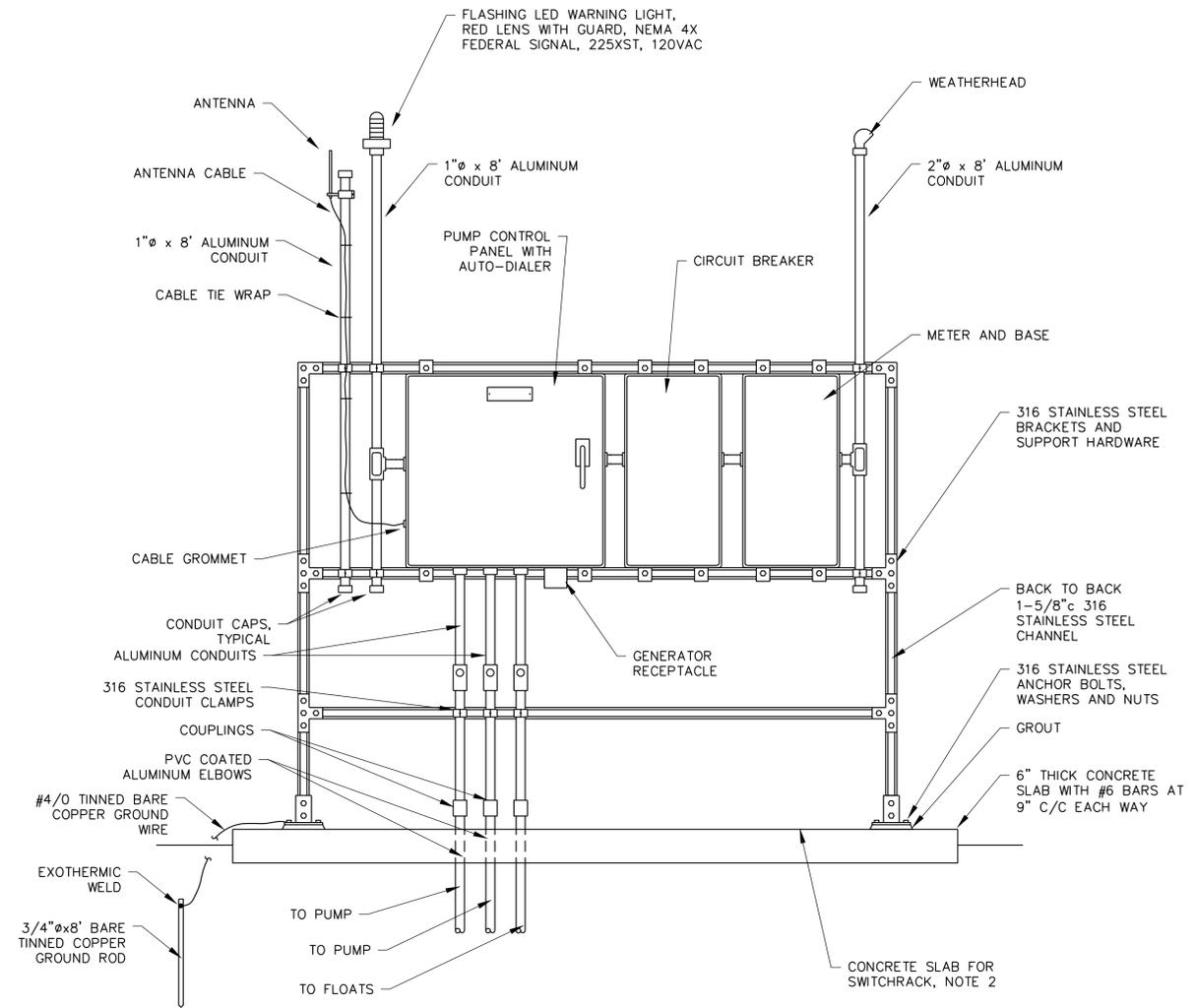
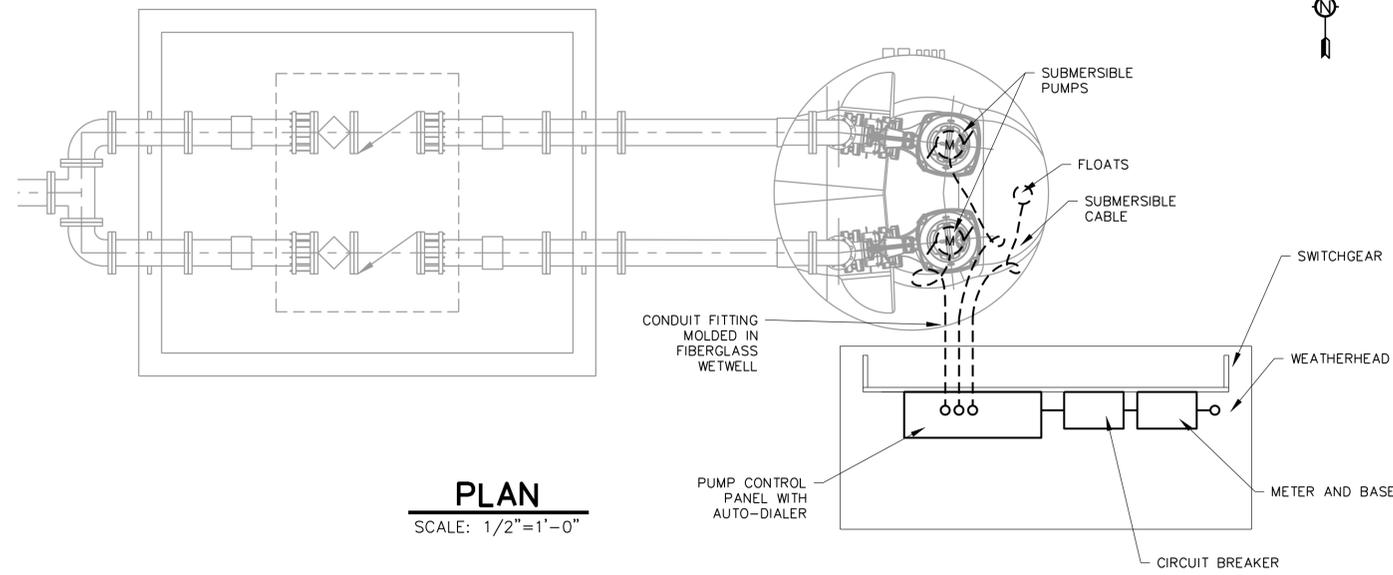
CITY OF WIMBERLEY
WASTEWATER TREATMENT PLANT AND COLLECTION SYSTEM PROJECT
ELECTRICAL
RANCH ROAD PUMP STATION
SITE PLAN AND ONELINE
Wimberley, TX 78676



BAR IS ONE INCH ON ORIGINAL DRAWING.
ONE INCH
DESIGNED P. MOSELEY
DRAWN APAI
CHECKED P. MOSELEY
REVIEWED P. MOSELEY

Seq. of
Dwg. No. **E-150**
1732-002-01

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GENERAL NOTES:

- REFER TO E-001 FOR ADDITIONAL NOTES.
- CONTRACTOR SHALL ELEVATE TOP OF SWITCHGEAR PAD TO AN ELEVATION 433.50 BY EITHER ELEVATING THE SLAB BY GRADE ELEVATION OR A THICKER CONCRETE SLAB. PAD SHALL NOT INTERFERE WITH DRAINAGE AROUND LIFT STATION.

ALAN PLUMMER ASSOCIATES, INC.
ENVIRONMENTAL ENGINEERS AND SCIENTISTS
6300 L.A. CALMA DRIVE, SUITE 400
AUSTIN, TEXAS 78752-3843
PHONE: 512-452-5905 FAX: 512-452-2325
TEXAS REGISTERED ENGINEERING FIRM F-13

NO.	DATE	REVISION	BY

CITY OF WIMBERLEY
221 Stillwater
Wimberley, TX 78676

CITY OF WIMBERLEY
WASTEWATER TREATMENT PLANT AND COLLECTION SYSTEM PROJECT
ELECTRICAL
RANCH ROAD PUMP STATION
PLAN AND SECTION

STATE OF TEXAS
PATRICK N. MOSELEY
72794
LICENSED PROFESSIONAL ENGINEER
12/14/16

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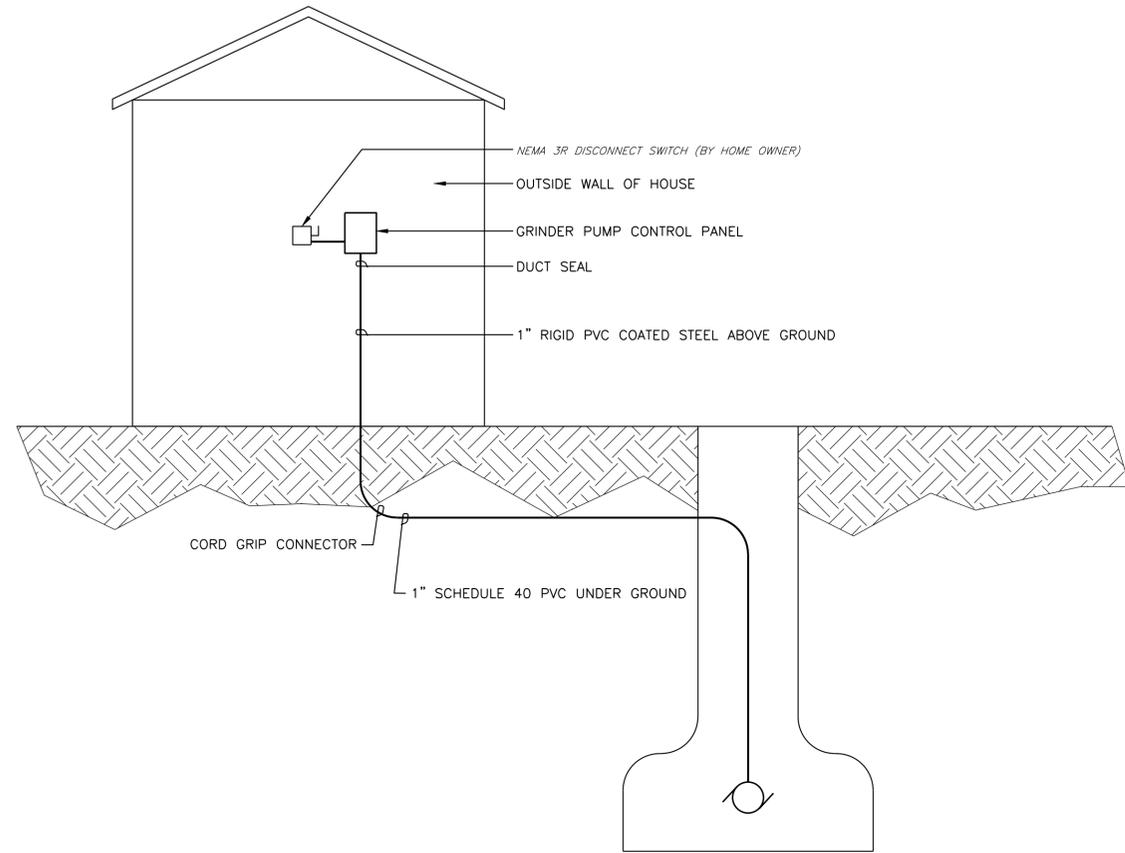
DESIGNED P. MOSELEY
DRAWN APAI
CHECKED P. MOSELEY
REVIEWED P. MOSELEY

Seq. of

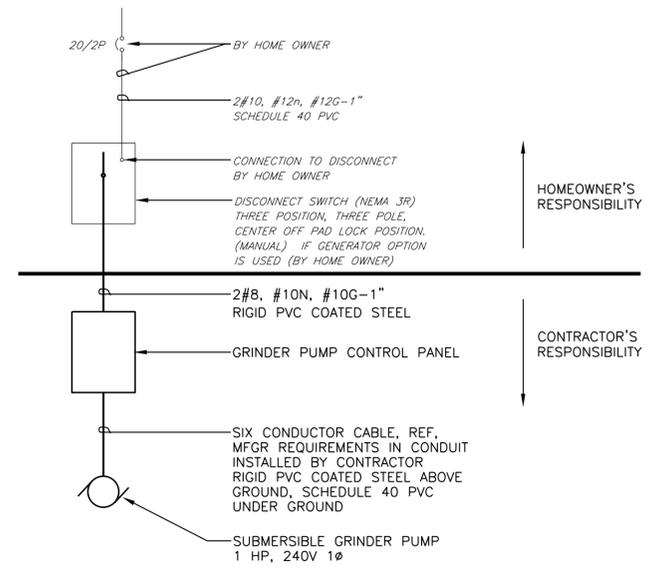
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1732-002-01

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RISER DIAGRAM
NOT TO SCALE



ONE LINE DIAGRAM
NOT TO SCALE

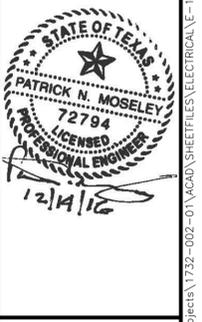
**ALAN PLUMMER
ASSOCIATES, INC.**
ENVIRONMENTAL
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6300 L.A. CALMA DRIVE, SUITE 400
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CITY OF WIMBERLEY
WASTEWATER TREATMENT PLANT AND
COLLECTION SYSTEM PROJECT

ELECTRICAL
GRINDER STATIONS
ONE-LINE AND DETAILS

CITY OF WIMBERLEY
221 Stillwater
Wimberley, TX 78676



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ONE INCH

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DRAWN APAI
CHECKED P. MOSELEY
REVIEWED P. MOSELEY

Seq. of

Dwg. No. **E-152**

1732-002-01