

## GENERAL NOTES

1. ALL CONSTRUCTION, UNLESS NOTED, SHALL CONFORM WITH THE CITY OF SAN ANTONIO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
2. SITE PREPARATION. PAVEMENT AREA SHALL BE STRIPPED OF VEGETATION, DEBRIS, AND LOOSE OR SOFT TOPSOIL. TREE ROOTS GREATER THAN ONE (1) INCH DIAMETER SHALL BE GRUBBED AND REMOVED. STRIPPING SHOULD EXTEND AT LEAST FIVE (5) BEYOND THE EDGES OF THE ROADWAY LIMITS.
3. TWO (2) FEET OUTSIDE THE SIDEWALK SHALL BE HYDROMULCHED.
4. NO FENCING OR STRUCTURES THAT WILL INTERFERE WITH ADEQUATE DRAINAGE FLOW WILL BE ALLOWED ON OR ACROSS SUCH LINES.
5. LOCATION AND DEPTH OF EXISTING UTILITIES SHOWN HERE ARE APPROXIMATE ONLY. ACTUAL LOCATIONS AND DEPTHS MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION AND SHALL BE RESPONSIBLE FOR PROTECTION OF SAME DURING CONSTRUCTION.
6. THE CONTRACTOR SHALL PROVIDE ACCESS FOR THE DELIVERY OF MAIL BY THE U.S. POSTAL SERVICE.
7. THE CONTRACTOR SHALL PROVIDE ACCESS OF RESIDENCES AND BUSINESSES.
8. CONTRACTOR SHALL NOTE THAT ITEM 101 "PREPARING OF RIGHT-OF-WAY" GOVERNS REMOVAL AND DISPOSAL OF ALL CONSTRUCTIONS WHERE SUCH IS NOT OTHERWISE PROVIDED FOR ON THE PLANS AND SPECIFICATIONS. NO ADDITIONAL COMPENSATION OVER THE CONTRACT LUMP SUM PRICE FOR AN ITEM 101 "PREPARING RIGHT-OF-WAY" SHALL BE ALLOWED. ALL WASTE MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND WILL BE REMOVED FROM THE RIGHT-OF-WAY AND DISPOSED OF PROPERLY. NO WASTE MATERIAL SHALL BE PLACED IN EXISTING LOWS THAT WILL BLOCK OR ALTER FLOW LIMITS OF EXISTING NATURAL DRAINAGE.
9. THE CONSTRUCTION OF ALL CONCRETE STRUCTURES SHALL BE GOVERNED BY ITEM 307 "CONCRETE STRUCTURES".
10. THE CONTRACTOR IS HEREBY NOTIFIED THAT NO ADDITIONAL PAYMENT SHALL BE MADE FOR ANY UNSTABLE CONDITIONS ENCOUNTERED IN SANITARY SEWER EXCAVATION, STREET EXCAVATION, STORM SEWER EXCAVATION OR BOX CULVERT EXCAVATION. ALL EXCAVATION IS UNCLASSIFIED AND SHALL BE PAID FOR UNDER THE ASSOCIATED BID ITEM AS SUBSIDIARY
11. DRIVEWAYS AND CURB OPENINGS SHALL BE CONSTRUCTED AS SHOWN ON THE PLANS AND/OR AS REQUIRED BY THE ENGINEER.
12. ALL CONCRETE FOR MACHINE LAID CURBS, SIDEWALKS AND DRIVEWAYS SHALL BE CLASS "B" (2500 PSI IN 28 DAYS). ALL CONCRETE FOR RIP-RAP, INLETS, JUNCTION BOXES AND BOX CULVERTS SHALL BE CLASS "A" (3000 PSI IN 28 DAYS). AS DEFINED IN CURRENT COSA ITEM 300 AND TxDOT SPECIFICATIONS ITEM 421. CONCRETE MATERIALS, PLACEMENT METHODS, PLACEMENT TEMPERATURE, CURING, ETC. SHALL BE IN ACCORDANCE WITH TxDOT CURRENT SPECIFICATIONS, ITEM 420 AND 421 AND ALL COSA DIVISION III SPECIFICATIONS.
13. ALL DRIVEWAYS MUST BE ACCESSIBLE AND DRIVEABLE AT THE END OF EACH WORKING DAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION AND MAINTENANCE OF TEMPORARY GRAVEL DRIVEWAY APPROACHES TO PROVIDE THIS ACCESS UNTIL PERMANENT FACILITIES ARE PROVIDED (NO SEPARATE PAY ITEM).
14. CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING TO ITS ORIGINAL OR BETTER CONDITION ANY DAMAGES DONE TO EXISTING FENCES, CONCRETE ISLANDS, CURBS OR CONCRETE DRIVEWAYS (NO SEPARATE PAY ITEM).
15. DURING CONSTRUCTION PRIVATE PROPERTY, UTILITIES, EXISTING STRUCTURES, ETC.. SHALL BE PROPERLY BRACED, PROTECTED AND SUPPORTED DURING CONSTRUCTION. THE USE OF SHORING MAY BE REQUIRED TO PROPERLY PROTECT THESE FACILITIES.
16. WHERE TREES ARE GROWING WITHIN OR IMMEDIATELY ADJACENT TO THE R.O.W. AND WHERE CONSTRUCTION ACTIVELY MIGHT OTHERWISE CAUSE THE TREE TO FALL OVER, THE TREE SHALL BE PROPERLY GUYED AND BRACED SO AS TO PREVENT IT FROM DOING SO. CONTRACTOR SHALL TAKE CARE TO PREVENT ANY DAMAGE TO REMAINING TREES.
17. CONTRACTOR TO NOTIFY THE TELEPHONE COMPANY LOCATOR 48 HOURS PRIOR TO EXCAVATION AT 954-4102. CONTRACTOR TO PROTECT AND SUPPORT TELEPHONE COMPANY EQUIPMENT DURING CONSTRUCTION.
18. CONTRACTOR SHALL NOTIFY C.P.S. LOCATOR 48 HOURS PRIOR TO EXCAVATION IN AREA OF GAS LINES AT 978-2000.
19. CONTRACTOR SHALL NOTIFY C.O.S.A. PUBLIC WORKS DEPARTMENT 24 HOURS PRIOR TO WORKING IN PUBLIC RIGHT-OF-WAYS AT 207-2800.
20. CONTRACTOR SHALL NOTIFY S.A.W.S. WATER LINE LOCATOR 48 HOURS PRIOR TO EXCAVATION IN AREA OF WATER LINE AT 225-7461.
21. DUE TO FEDERAL REGULATIONS TITLE 49, PART 192.181, CITY PUBLIC SERVICE MUST MAINTAIN ACCESS TO GAS VALVES AT ALL TIMES. THE CONTRACTOR MUST PROTECT AND WORK AROUND ANY GAS VALVES WHICH ARE IN THE PROJECT AREA.

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

### NOTES

THE EXISTENCE AND LOCATION OF UNDERGROUND CABLE INDICATED ON THE PLANS ARE TAKEN FROM THE BEST RECORDS AVAILABLE AND ARE NOT GUARANTEED TO BE ACCURATE. CONTRACTOR TO CONTACT THE TELEPHONE COMPANY CABLE LOCATOR 48 HOURS PRIOR TO EXCAVATION AT 1-800-828-5127. CONTRACTOR HAS THE RESPONSIBILITY TO PROTECT AND SUPPORT TELEPHONE COMPANY PLANT DURING CONSTRUCTION.

CALL CPS LOCATOR AT 978-3500, 48 HOURS BEFORE BEGINNING ANY EXCAVATION.

DUE TO FEDERAL REGULATION TITLE 49, PART 192.181, CPS MUST MAINTAIN ACCESS TO GAS VALVES THAT ARE IN THE PROJECT AREA.

## EXISTING UTILITIES

1. LOCATION AND DEPTH OF EXISTING UTILITIES SHOWN HEREON ARE APPROXIMATE ONLY. ACTUAL LOCATIONS AND DEPTHS MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO THE CONSTRUCTION AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF SOME DURING CONSTRUCTION.

2. IT IS ESSENTIAL THAT 48 HOURS PRIOR TO CONSTRUCTION ALL UTILITY COMPANIES BE NOTIFIED TO LOCATE AND TAG THEIR UNDERGROUND FACILITIES PRIOR TO EXCAVATION.

3. THE CONTRACTOR NEEDS TO ALLOW FOR THE POSSIBILITY OF UNDETECTED UNDERGROUND UTILITIES. ALSO, THE CONTRACT MUST ALLOW FOR CHANGES DUE TO UTILITIES BEING IN LOCATIONS DIFFERENT FROM THOSE SHOWN ON THE UTILITY RECORD DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND EXPOSING CONFLICTS PRIOR TO CONSTRUCTION.

### NOTE

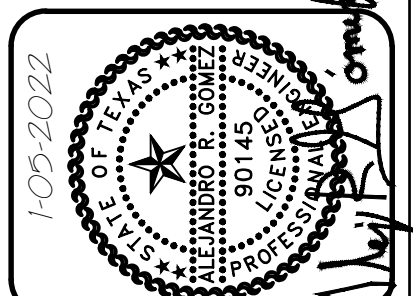
THE DESIGN OF THIS DRAIN SYSTEM RELIES ON SURVEY ELEVATION DATA AND UTILITY REFERENCE INFORMATION PROVIDED BY NORTHSTAR LAND SURVEYING, CONSTRUCTION CONTRACTOR SHALL VERIFY SITE CONDITIONS PRIOR TO START OF CONSTRUCTION AND ADVISE ENGINEER OF RECORD OF ANY INCONSISTENCIES.

### TRENCH EXCAVATION SAFETY PROTECTION

Contractor and/or Contractor's independently retained employee or structural design/geotechnical/safety/equipment consultant, if any, shall review these plans and available geotechnical information and the anticipated installation site(s) within the project work area in order to implement contractor's trench excavation safety protection system, programs and/or procedures shall provide for adequate trench excavation safety protection that comply with as a minimum, OSHA standards for trench excavations. Specifically, Contractor and/or Contractor's independently retained employee or safety consultant shall implement a trench safety program in accordance with OSHA standards governing the presence and activities of individuals working in and around trench excavation.

REVISIONS:  
NO. | DATE | DESCRIPTION

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HERON VALLEY

GENERAL NOTES

DESIGN AG  
DRAWN JT  
CHECKED AG  
DATE AGO 2022  
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