

GENERAL NOTES- STORM DRAIN (PRIVATE STORM DRAIN ONLY)

- 1. GENERAL CONSTRUCTION NOTES: REFER TO SHEET C1.1 "GENERAL CONSTRUCTION NOTES, LEGEND AND ABBREVIATIONS" FOR THE GENERAL CONSTRUCTION NOTES FOR THE PROJECT.
2. PROTECTION OF UTILITIES: THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS FOR THE SUPPORT AND PROTECTION OF ALL UTILITY POLES, FENCES, TREES, SHRUBS, GAS MAINS, TELEPHONE CABLES, ELECTRIC CABLES, DRAINAGE PIPES, UTILITY SERVICES, AND ALL OTHER UTILITIES AND STRUCTURES BOTH ABOVE AND BELOW THE GROUND.
3. PUBLIC STORM DRAIN PIPE: UNLESS OTHERWISE NOTED ON THE DRAWINGS, ALL PIPE FOR PUBLIC STORM DRAIN IMPROVEMENTS SHALL BE REINFORCED CONCRETE PIPE (RCP), CLASS III.
4. PRIVATE STORM DRAIN PIPE: UNLESS OTHERWISE NOTED ON THE DRAWINGS, ALL PIPE FOR PRIVATE STORM DRAIN IMPROVEMENTS SHALL BE AS FOLLOWS:
GREATER THAN 36": REINFORCED CONCRETE PIPE (RCP), CLASS III
15" THROUGH 36": REINFORCED CONCRETE PIPE (RCP), CLASS III OR HIGH DENSITY POLYETHYLENE PIPE (HDPE), N-12
4" THROUGH 12": POLYVINYL CHLORIDE PIPE (PVC), SDR - 35, OR HIGH DENSITY POLYETHYLENE PIPE (HDPE), N-12

- 5. RCP JOINT SEALANT: REINFORCED CONCRETE PIPE JOINTS SHALL BE SEALED WITH RAMP JOINT OR APPROVED EQUAL.
6. GROUTING: ALL PIPE ENTERING PUBLIC STORM DRAIN STRUCTURES SHALL BE GROUTED TO ASSURE WATER-TIGHT CONNECTIONS.
7. CONCRETE COLLARS: CONCRETE COLLARS SHALL BE INSTALLED AT ALL CHANGES IN CONDUIT SIZE AND AT ALL JOINTS THAT ARE PULLED IN EXCESS OF THAT RECOMMENDED BY THE CONDUIT MANUFACTURER.
8. ROOF DRAINS: THE CONTRACTOR SHALL COORDINATE THE EXACT LOCATION OF ROOF DRAIN LATERALS WITH BUILDING PLANS FOR DOWNSPOUT CONNECTIONS. END AND CAP ROOF DRAIN LATERALS FIVE (5) FEET FROM BUILDING AT 12" BELOW FINISH GRADE FOR CONNECTION OF DOWNSPOUTS.
9. ADJUSTMENT OF STRUCTURES: ALL STORM DRAIN STRUCTURES INCLUDING MANHOLES, INLETS AND CLEANOUTS MUST BE ADJUSTED TO PROPER LINE AND GRADE BY THE CONTRACTOR PRIOR TO, AND AFTER, PLACEMENT OF PAVING AND GRASSING.

GENERAL NOTES- CONDUIT AND SLEEVING

- 1. GENERAL CONSTRUCTION NOTES: REFER TO SHEET C1.1 "GENERAL CONSTRUCTION NOTES, LEGEND AND ABBREVIATIONS" FOR THE GENERAL CONSTRUCTION NOTES FOR THE PROJECT.
2. PLACEMENT OF CONDUIT AND SLEEVES: ALL UNDERGROUND CONDUIT AND SLEEVES ARE TO BE PLACED BEFORE SITE PAVING CONSTRUCTION COMMENCES AND SHALL BE BURIED A MINIMUM OF 24" BELOW THE BOTTOM OF PAVEMENT, EXCEPT ELECTRICAL CONDUIT WHICH REQUIRE A MINIMUM COVER OF 36". ALL CONDUIT AND SLEEVES SHALL EXTEND TWO (2) FEET BEYOND THE BACK OF CURB OR EDGE OF SIDEWALK. TURN CONDUIT UPWARD AND CAP EACH CONDUIT 6" ABOVE FINISH GRADE. THE CONTRACTOR SHALL FURNISH DETAILED AS-BUILT LOCATION INFORMATION FOR ALL CONDUIT AND SLEEVES TO THE DEVELOPER.
3. TELEPHONE CONDUIT: FURNISH AND INSTALL TWO (2) 4" DIAMETER SCHEDULE 40 PVC TELEPHONE CONDUIT WITH PULL WIRES FROM THE SITE PROPERTY LINE TO 5' OUTSIDE THE BUILDING WALL AT THE TELEPHONE ROOM IN THE BUILDING. CONDUIT SHALL BE CAPPED AT BOTH ENDS. THE CONTRACTOR SHALL COORDINATE WITH THE LOCAL TELEPHONE COMPANY TO VERIFY THE EXACT LOCATION OF CONDUIT TO BE INSTALLED FOR THEIR USE. MARK LOCATIONS OF CONDUIT WITH #3 X 36" REBAR INSTALLED 2' INTO THE GROUND AT EACH END LOCATION.
4. ELECTRIC AND GAS CONDUIT: THE CONTRACTOR SHALL COORDINATE WITH THE LOCAL ELECTRIC AND GAS PROVIDER TO VERIFY THE EXACT SIZE, TYPE, NUMBER AND LOCATION OF CONDUIT AND/OR SLEEVING REQUIRED TO BE PROVIDED BY THE CONTRACTOR FOR GAS AND ELECTRIC FACILITIES TO SERVE THIS SITE. MARK LOCATIONS OF CONDUIT WITH #3 X 36" REBAR INSTALLED 2' INTO THE GROUND AT EACH END LOCATION.
5. SITE LIGHTING CONDUIT: REFERENCE MEP PLANS FOR SITE LIGHTING AND ALL RELATED CONDUIT, WIRING, PULL BOXES, POLE BASES AND ASSOCIATED ELECTRICAL WORK TO BE COORDINATED AND/OR PROVIDED FOR BY THE CONTRACTOR PRIOR TO PAVING OPERATIONS.
6. IRRIGATION CONDUIT: ALL IRRIGATION CONDUIT AND SLEEVES SHALL BE SCHEDULE 40 PVC, INSTALLED WITH A MINIMUM OF 24" COVER. REFERENCE THE PAVING PLAN AND/OR LANDSCAPE PLANS FOR NUMBER OF CONDUIT, SIZE AND LOCATIONS OF PROPOSED IRRIGATION CONDUITS AND SLEEVES.
7. PULL WIRES: ALL UNDERGROUND CONDUIT AND SLEEVES SHALL BE INSTALLED WITH PULL WIRES.
8. CONFLICTS: IN THE EVENT OF A CONFLICT BETWEEN CONDUIT AND STORM DRAIN AND/OR UTILITY PIPING, THE CONTRACTOR SHALL ADJUST CONDUIT DOWNWARD FOR CLEARANCE.

GENERAL NOTES- EROSION CONTROL

- 1. GENERAL CONSTRUCTION NOTES: REFER TO SHEET C1.1 "GENERAL CONSTRUCTION NOTES, LEGEND AND ABBREVIATIONS" FOR THE GENERAL CONSTRUCTION NOTES FOR THE PROJECT.
2. SWP3 COMPLIANCE: THE CONTRACTOR SHALL BE REQUIRED TO COMPLY WITH THE CONDITIONS OF THE STORM WATER POLLUTION PREVENTION PLAN (SWP3) WHILE CONDUCTING HIS ACTIVITIES ON THIS PROJECT. IN ADDITION TO CONSTRUCTING THOSE ITEMS INDICATED ON THE PLAN SHEETS, COMPLIANCE WITH THE SWP3 INCLUDES CONFORMANCE TO CERTAIN PRACTICES AND PROCEDURES (IDENTIFIED IN THE (SWP3) DURING PROJECT CONSTRUCTION. THE SWP3 PLANS AND DOCUMENTS ARE PROVIDED FOR THE SOLE BENEFIT OF THE CONTRACTOR AS A PLANNING TOOL FOR COMPLYING WITH THE ENVIRONMENTAL REGULATIONS OF THIS PROJECT. THE CONTRACTOR IS EXPECTED TO PROVIDE, EXPAND, SUBMIT AND MONITOR A FULL COMPREHENSIVE SWP3 BEYOND WHAT IS HEREIN PROVIDED.
3. BMP INSTALLATION: PRIOR TO COMMENCING GRADING OPERATIONS, THE CONTRACTOR SHALL INSTALL ALL SWP3 MEASURES AND DEVICES AS INDICATED ON THE EROSION & SEDIMENT CONTROL PLAN. ALL SWP3 MEASURES AND DEVICES SHALL BE IN ACCORDANCE WITH SPECIFICATIONS AND DETAILS SHOWN IN THE NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS CONSTRUCTION "BEST MANAGEMENT PRACTICES" (BMP) MANUAL, OR AS MODIFIED BY THE CONTRACT DOCUMENTS.
4. CLEANING, REPAIR AND MAINTENANCE: THE CONTRACTOR SHALL REFER TO THE SWP3 FOR SEQUENCING OF CONSTRUCTION, INSTALLATION OF NEW EROSION CONTROL DEVICES AND CLEANING, REPAIR AND MAINTENANCE OF EXISTING EROSION CONTROL DEVICES. THE CONTRACTOR SHALL REVISE, RELOCATE AND/OR ADD DEVICES TO REFLECT ACTUAL SITE CONDITIONS AND TO ACCOMMODATE LOCATIONS FOR CONSTRUCTION TRAILER AREAS, STORAGE AREAS, FUELING AREAS, TOILETS, TRASH RECEIPTACLES AND WASHOUT AREAS. ANY ACCIDENTAL RELEASE OF SEDIMENT OR POLLUTANTS FROM THE SITE SHALL BE CLEANED BY THE CONTRACTOR.
5. SITE ENTRY/EXIT LOCATIONS: SITE ENTRY AND EXIT LOCATIONS SHALL BE MAINTAINED BY THE CONTRACTOR IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF MUD AND SEDIMENT ONTO PUBLIC ROADWAYS. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC ROADWAYS MUST BE REMOVED IMMEDIATELY. WHEN WASHING OF VEHICLES IS REQUIRED TO REMOVE SEDIMENT PRIOR TO ENTRANCE TO A PUBLIC ROADWAY, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED SEDIMENT BASIN. ALL FINES IMPOSED FOR TRACKING ONTO PUBLIC ROADS SHALL BE PAID BY THE CONTRACTOR.
6. PROTECTION OF ADJACENT PROPERTY: CONTRACTOR SHALL ASSUME FULL LIABILITY FOR DAMAGE TO ADJACENT PROPERTIES AND/OR PUBLIC RIGHT-OF-WAY RESULTING FROM FAILURE TO FULLY IMPLEMENT AND EXECUTE ALL EROSION CONTROL METHODS AND PROCEDURES SHOWN AND NOTED IN THE PLANS AND SWP3.
7. RE-VEGETATION: AT THE COMPLETION OF PAVING AND FINAL GRADING OPERATIONS, ALL DISTURBED AREAS SHALL BE VEGETATED IN ACCORDANCE WITH THE LANDSCAPE ARCHITECTS' PLANS. IN AREAS NOT COVERED BY LANDSCAPE PLAN, THE CONTRACTOR SHALL PROVIDE HYDROMULCH SEEDING AND/OR SOODING FOR ALL DISTURBED AREAS (NOT DESIGNATED TO BE PAVED) IN ACCORDANCE WITH ALL GOVERNING AUTHORITIES' SPECIFICATIONS.
8. BMP REMOVAL: THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL SEDIMENT BARRIERS AND INLET PROTECTION AFTER VEGETATION HAS BEEN COMPLETED AND ALL AREAS OF THE SITE HAVE BEEN STABILIZED AND ACCEPTED BY THE GOVERNING AUTHORITIES AND THE DEVELOPER.
9. ALL OPERATORS AND/OR CONTRACTORS SHALL CONFORM TO THE TERMS AND CONDITIONS OF THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEMS (NPDES) GENERAL PERMIT AS PUBLISHED IN THE FEDERAL REGISTER, VOL. 57, NO. 175, SEPTEMBER 9, 1992, BY THE ENVIRONMENTAL PROTECTION AGENCY (EPA) AND AS AMENDED.
10. THE NOTICE OF INTENT (NOI), AS REQUIRED BY THE GENERAL PERMIT, MUST BE PROPERLY DISPLAYED ON SITE AT ALL TIMES BY EACH OPERATOR.
11. ALL RELEASES OF THE REPORTABLE QUANTITIES OF HAZARDOUS SUBSTANCES SHALL BE REPORTED IMMEDIATELY TO THE FACILITY OPERATOR AND EPA.
12. QUALIFIED OPERATOR PERSONNEL MUST INSPECT THE SITE AT LEAST ONCE EVERY DAY AND IMMEDIATELY AFTER A 1/2 - INCH OR GREATER RAINFALL EVENT. THE INSPECTOR SHALL DOCUMENT THE RESULTS.
13. MODIFICATIONS TO THE STORM WATER POLLUTION PREVENTION PLAN SHALL BE IMPLEMENTED AND BE IN-PLACE WITHIN SEVEN CALENDAR DAY PERIOD.
14. IF ANY CONTRACTOR SEES A VIOLATION BY AN OPERATOR OR ANOTHER CONTRACTOR, THAT OPERATOR OR CONTRACTOR IN VIOLATION SHALL BE NOTIFIED AS WELL AS THE FACILITY OPERATOR.
15. EROSION CONTROLLED SHALL BE INSTALLED PRIOR TO ANY GRADING.
16. ACCUMULATED SILT DEPOSITS SHALL BE REMOVED FROM SILT FENCES AND HAY BALE DIKES WHEN SILT DEPTH REACHES SIX INCHES. REMOVAL OF SILT DEPOSITS BY THE CONTRACTOR SHALL BE INCIDENTAL TO THE PERFORMANCE OF THE CONTRACT AND A SEPARATE BID ITEM SHALL NOT BE INCLUDED.
17. THE CONTRACTOR SHALL ADD OR DELETE EROSION PROTECTION AT THE REQUEST AND DIRECTION OF THE OPERATOR OF THE CITY.
18. AFTER INSTALLATION OF PAVEMENT, FINAL LOT BENCHING AND GENERAL CLEANUP, THE PAVING CONTRACTOR SHALL ESTABLISH GRASS GROUNDCOVER IN ALL STREET PARKWAYS, LOTS AND ALL OTHER DISTURBED AREAS. MATERIALS SHALL BE AS SPECIFIED IN ITEM 2.15 AND SEEDING SHALL IN ACCORDANCE WITH ITEM 3.10 OF THE NCTCOG STANDARD SPECIFICATION.
19. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO CONTROL AND LIMIT SILT AND SEDIMENT LEAVING THE SITE. SPECIFICALLY, THE CONTRACTOR SHALL PROTECT ALL PUBLIC STREETS, ALLEYS, STREAMS AND STORM DRAINAGE SYSTEMS FROM EROSION DEPOSITS.
20. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE A DUMPSTER (OR EQUAL) TO COLLECT SOLID WASTER MATERIALS DURING CONSTRUCTION.
21. A DRAINAGE AREA MAP WILL BE INCLUDED WITH THE STORM WATER POLLUTION PLAN.
22. IT IS ANTICIPATED THAT THE FOLLOWING NON-STORM WATER DISCHARGES WILL BE ASSOCIATED WITH THIS PROJECT. THESE DISCHARGES ARE AUTHORIZED THROUGH THE CONSTRUCTION GENERAL PERMIT:
A. FIRE HYDRANT FLUSHINGS
B. WATER USED TO WASH VEHICLES AND TO CONTROL DUST
C. POTABLE WATER SOURCES INCLUDING WATERLINE FLUSHINGS
D. IRRIGATION DRAINAGE
E. PAVEMENTS WASH-DOWN
F. UNCONTAMINATED GROUND WATER
G. CONSTRUCTION WATER
23. CONSTRUCTION WASTE DISPOSAL CONTAINERS SHALL BE PROVIDED ON THE SITE FOR DISPOSAL OF ALL NON-HAZARDOUS CONSTRUCTION WASTE MATERIALS. THE CONTAINERS SHALL BE HAULED TO THE LANDFILL BY THE CONTRACTOR.
24. ALL HAZARDOUS MATERIALS SHALL BE HANDLED AND DISPOSED OF BY THE CONTRACTOR IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.
25. EROSION CONTROL MEASURES MAY ONLY BE PLACED IN FRONT OF INLETS, OR IN CHANNELS, DRAINAGEWAYS OR BORROW DITCHES AT RISK OF CONTRACTOR CONTRACTOR SHALL REMAIN LIABLE FOR ANY DAMAGE CAUSED BY THE MEASURES, INCLUDING FLOODING DAMAGE, WHICH MAY OCCUR DUE TO BLOCKED DRAINAGE. AT THE CONCLUSION OF ANY PROJECT, ALL CHANNELS, DRAINAGEWAYS AND BORROW DITCHES IN THE WORK ZONE SHALL BE DREGDED OF ANY SEDIMENT GENERATED BY THE PROJECT OR DEPOSITED AS A RESULT OF EROSION CONTROL MEASURES.

GENERAL NOTES- PAVING (PRIVATE PAVING ONLY)

- 1. GENERAL CONSTRUCTION NOTES: REFER TO SHEET C1.1 "GENERAL CONSTRUCTION NOTES, LEGEND AND ABBREVIATIONS" FOR THE GENERAL CONSTRUCTION NOTES FOR THE PROJECT.
2. PROTECTION OF EXISTING IMPROVEMENTS: THE CONTRACTOR SHALL TAKE CARE NOT TO DISTURB EXISTING UTILITIES, BUILDING FOUNDATION OR OTHER SITE STRUCTURES DURING PAVEMENT OPERATIONS.
3. SUBGRADE PREPARATION: PREPARATION OF SUBGRADE UNDER PAVED AREAS SHALL BE PERFORMED IN ACCORDANCE WITH THE GOVERNING AUTHORITIES' SPECIFICATIONS OR THE GEOTECHNICAL REPORT. THE MORE RESTRICTIVE REQUIREMENTS SHALL APPLY.
PREPARATION OF THE SUBGRADE FOR PAVING WITHIN RIGHT-OF-WAY, ACCESS EASEMENTS AND/OR FIRE LANES SHALL NOT BE INITIATED UNTIL ALL TESTING OF UNDERGROUND UTILITIES HAS BEEN COMPLETED AND VERIFIED TO MEET THE GOVERNING AUTHORITIES' SPECIFICATIONS AND AUTHORIZATION TO PROCEED HAS BEEN RECEIVED FROM THE INSPECTOR.
PAVEMENT SUBGRADE SHALL NOT BE ALLOWED TO RETAIN WATER. WET MATERIAL SHALL BE REMOVED TO DRY, SOUND MATERIAL AND APPROPRIATE DENSITY ACHIEVED PRIOR TO PAVING OPERATIONS.
4. PROOF-ROLL SUBGRADE: THE SUBGRADE SHALL BE PROOF-ROLLED WITH HEAVY PNEUMATIC EQUIPMENT. ANY SOFT OR PUMPING AREAS SHALL BE EXCAVATED TO FIRM SUBGRADE AND BACKFILLED AND RE-COMPACTED IN CONFORMANCE WITH THE GEOTECHNICAL REPORT.
5. HYDRATED LIME: HYDRATED LIME (IF REQUIRED) SHALL MEET THE REQUIREMENTS OF TxDOT ITEM 260. LIME TREATMENT USED AS SUBGRADE. LIME SHALL BE APPLIED AT THE RATE OF 6% BY WEIGHT, THOROUGHLY MIXED AND BLENDED WITH THE TOP 6" OF SUBGRADE AND UNIFORMLY COMPACTED TO A MINIMUM OF 100 PERCENT OF STANDARD PROCTOR (ASTM D698) DETERMINED BY THAT TEST. LIME STABILIZATION SHALL EXTEND ONE (1) FOOT OUTSIDE THE LIMITS OF THE PAVED AREA. IT SHOULD BE PROTECTED AND MAINTAINED IN A MOIST CONDITION UNTIL THE PAVEMENT IS PLACED.
6. SAND CUSHION PROHIBITED: THE USE OF SAND CUSHION UNDER PAVEMENT, INCLUDING SIDEWALKS, IS STRICTLY PROHIBITED.
7. REINFORCING BARS: ALL REINFORCING BARS SHALL BE GRADE 60 KSI DEFORMED REINFORCING STEEL. SIZE AND SPACING SHALL BE IN ACCORDANCE WITH THE DETAILS.
8. BAR CHAIRS: ALL REINFORCING STEEL AND DOWEL BARS IN PAVEMENT SHALL BE SUPPORTED AND MAINTAINED AT THE CORRECT CLEARANCES BY THE USE OF BAR CHAIRS OR OTHER APPROVED SUPPORT.
9. CONNECTION TO EXISTING PAVEMENT: WHERE PROPOSED PAVEMENT TO EXISTING PAVEMENT IS TO BE CONSTRUCTED BY THE CONTRACTOR, AT LEAST 15' OF REINFORCING STEEL SHALL BE EXPOSED FROM THE EXISTING PAVEMENT, OR THE CONTRACTOR SHALL PROVIDE HORIZONTAL DOWEL BARS PER THE DETAILS.
10. TEMPERATURE CONDITIONS FOR CONCRETE PLACEMENT: CONCRETE SHALL NOT BE PLACED WHEN THE TEMPERATURE IS BELOW 40 DEGREES FAHRENHEIT AND FALLING, BUT MAY BE PLACED WHEN TEMPERATURE IS ABOVE 35 DEGREES FAHRENHEIT AND RISING. THE TEMPERATURE READING SHALL BE TAKEN IN THE SHADE AND AWAY FROM ARTIFICIAL HEAT.
11. CONCRETE PAVEMENT CURING: MEMBRANE CURING TYPE 2, WHITE PIGMENTED, SHALL BE USED FOR CURING ALL CONCRETE SURFACES IMMEDIATELY AFTER FINISHING OF SURFACES AND SHALL BE IN ACCORDANCE WITH THE TEXAS HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS ITEM #526.
12. TESTING: SAMPLES FOR STRENGTH TESTS OF THE CONCRETE PAVEMENT WILL BE TAKEN BY THE GEOTECHNICAL ENGINEER TO VERIFY DESIGN STRENGTH. PAVEMENT AREAS FOUND TO BE DEFICIENT IN STRENGTH SHALL BE REMOVED AND REPLACED SOLELY AT THE EXPENSE OF THE CONTRACTOR. THE GEOTECHNICAL ENGINEER SHALL ALSO RANDOMLY CORE THE PAVEMENT TO VERIFY THE THICKNESS OF CONCRETE. ANY AREA FOUND TO BE DEFICIENT IN THICKNESS SHALL BE REMOVED AND REPLACED SOLELY AT THE EXPENSE OF THE CONTRACTOR.
13. SIDEWALKS AND RAMPS: CONSTRUCTION OF SIDEWALKS, WHEELCHAIR RAMPS AND ACCESSIBLE ROUTES SHALL BE IN ACCORDANCE WITH THE TEXAS ACCESSIBILITY STANDARDS (TAS) AND THE AMERICANS DISIBILITY ACT (ADA).
14. PAVEMENT MARKINGS: PAVEMENT MARKINGS SHALL BE PROVIDED IN ACCORDANCE WITH THE TEXAS "UNIFORM TRAFFIC MANUAL FOR PAVEMENT MARKINGS". FIRE LANES SHALL BE STRIPED IN ACCORDANCE WITH THE GOVERNING AUTHORITIES' REQUIREMENTS. ALL HANDICAP SYMBOLS, SIGNAGE AND PAVEMENT MARKINGS SHALL COMPLY WITH TAS AND ADA STANDARDS.

GENERAL NOTES- GRADING

- 1. GENERAL CONSTRUCTION NOTES: REFER TO SHEET C1.1 "GENERAL CONSTRUCTION NOTES, LEGEND AND ABBREVIATIONS" FOR THE GENERAL CONSTRUCTION NOTES FOR THE PROJECT.
2. UNDISTURBED AREAS: PRIOR TO GRADING, BRUSH REMOVAL OR SITE CONSTRUCTION, THE CONTRACTOR SHALL MEET WITH THE DEVELOPER AND/OR ENGINEER AT THE SITE TO ASCERTAIN THE AREAS OF THE PROJECT SITE THAT ARE TO BE PROTECTED AND PRESERVED. REFER TO THE "GENERAL TREE PROTECTION NOTES" FOR ALL CONSTRUCTION IN THE VICINITY OF EXISTING TREES.
3. TESTING: ALL EARTHWORK OPERATIONS SHALL BE OBSERVED AND TESTED ON A CONTINUING BASIS BY THE GEOTECHNICAL ENGINEER FOR CONFORMANCE WITH THE REQUIREMENTS SET FORTH IN THE GEOTECHNICAL STUDY PREPARED BY HENLEY JOHNSTON & ASSOCIATES, REPORT NO. 14732, DATED MARCH 5, 2015 WHICH IS MADE A PART OF THESE CONSTRUCTION DOCUMENTS.
4. STRIPPING AND DEBRIS REMOVAL: THE BUILDING PAD SITES, AREAS TO BE PAVED, AND ALL AREAS THAT ARE TO RECEIVE FILL MATERIAL SHALL BE STRIPPED OF VEGETATION, TREES, ROOTS, STUMPS, DEBRIS, AND OTHER ORGANIC MATERIAL. THE DEPTH OF STRIPPING IS ESTIMATED TO BE ON THE ORDER OF SIX (6) INCHES IN ORDER TO REMOVE THE SURFACE SOIL CONTAINING ORGANIC MATERIAL. THE ACTUAL STRIPPING DEPTH SHALL BE BASED ON FIELD OBSERVATIONS. STRIPPED TOPSOIL SHALL BE STOCKPILED IN A LOCATION ON-SITE APPROVED BY THE DEVELOPER. ALL TREES, INCLUDING STUMPS AND ROOT SYSTEMS, VEGETATION, DEBRIS AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED AND DISPOSED OFF-SITE. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LAWS GOVERNING SPILLAGE OF DEBRIS WHILE TRANSPORTING TO A DISPOSAL SITE. ALL COSTS ASSOCIATED WITH DISPOSAL OF MATERIAL SHALL BE INCLUDED IN THE CONTRACT AMOUNT.
5. BURNING: BURNING SHALL NOT BE PERMITTED ON THE PROJECT SITE UNLESS APPROVED IN WRITING BY THE GOVERNING AUTHORITIES AND THE DEVELOPER.
6. PROOF ROLLING: UPON COMPLETION OF STRIPPING OPERATIONS, AND PRIOR TO PLACEMENT OF ANY FILL MATERIALS, THE STRIPPED AREAS SHOULD BE OBSERVED TO DETERMINE IF ADDITIONAL EXCAVATION IS REQUIRED TO REMOVE WEAK OR OTHERWISE OBJECTIONABLE MATERIALS THAT WOULD ADVERSELY AFFECT THE FILL PLACEMENT. THE SUBGRADE SHOULD BE FIRM AND ABLE TO SUPPORT CONSTRUCTION EQUIPMENT WITHOUT DISPLACEMENT. SOFT OR YIELDING SUBGRADE SHOULD BE CORRECTED AND MADE STABLE BEFORE CONSTRUCTION PROCEEDS. PROOF ROLLING SHOULD BE PERFORMED USING A HEAVY PNEUMATIC TIRE ROLLER, LOADED LUMP TRUCK, OR SIMILAR PIECE OF EQUIPMENT WEIGHING 25 TONS. THE PROOF ROLLING OPERATIONS SHOULD BE OBSERVED BY THE GEOTECHNICAL ENGINEER OR HIS REPRESENTATIVE.
7. UNSTABLE MATERIAL: WHEN CLAY OR OTHER UNSTABLE MATERIAL IS PRESENT IN AREAS OF PROPOSED BUILDING PADS OR PAVED AREAS, THE GEOTECHNICAL ENGINEER SHALL OBSERVE THE STABILITY OF ANY EXISTING CLAY OR WEATHERED MATERIAL THAT IS PRESENT IN THE SUBBASE, AND SHALL DETERMINE WHETHER ADDITIONAL EXCAVATION OF THESE MATERIALS WILL BE REQUIRED. IF THE MATERIAL IS DEEMED SUITABLE FOR SUBBASE MATERIAL, THE SUBGRADE SHALL BE SCARIFIED TO A DEPTH OF SIX (6) INCHES, ITS MOISTURE CONTENT ADJUSTED AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER, AND THEN RE-COMPACTED TO ONE HUNDRED (100) PERCENT OF THE OPTIMUM DENSITY DETERMINED BY THE STANDARD PROCTOR TEST, ASTM D - 698 PRIOR TO PLACEMENT OF FILL MATERIALS.
8. CONTROLLED FILL: ALL SOILS USED FOR CONTROLLED FILL SHOULD BE FREE OF ROOTS, VEGETATION, AND OTHER DELETERIOUS OR UNDESIRABLE MATTER. ROCKS LESS THAN 4 INCHES IN LARGEST DIMENSION WITHIN 15" OF PROPOSED SUBGRADE ELEVATION, LESS THAN 6 INCHES IN SIZE FROM 15" TO 36" OF PROPOSED SUBGRADE ELEVATION, LESS THAN 12 INCHES IN SIZE FROM 36" TO 72" OF PROPOSED SUBGRADE ELEVATION, AND LESS THAN 18 INCHES IN LARGEST DIMENSION FOR FILLS IN EXCESS OF 72" FROM SUBGRADE ELEVATION, WILL BE ALLOWED AS ACCEPTABLE FILL MATERIAL. ROCK FILLS SHOULD BE SUPPLEMENTED WITH A SUFFICIENT AMOUNT OF FINE MATERIAL TO PREVENT VOIDS. SOILS IMPORTED FROM OFF-SITE FOR USE AS FILL SHOULD BE APPROVED BY THE GEOTECHNICAL ENGINEER. THE FILL MATERIAL SHOULD BE PLACED IN LEVEL, UNIFORM LIFTS, WITH EACH LIFT COMPACTED TO THE MINIMUM DRY DENSITY WITHIN THE COMPACTION SOIL MOISTURE RANGES RECOMMENDED. THE LOOSE LIFT THICKNESS SHOULD NOT EXCEED 10 INCHES. EACH LAYER SHOULD BE PROPERLY PLACED, MIXED, SPREAD, AND COMPACTED TO BETWEEN 95 AND 100 PERCENT OF STANDARD PROCTOR DENSITY AS DETERMINED BY ASTM D 698.
9. PROPOSED GRADES: THE PROPOSED CONTOURS INDICATED ON THE GRADING PLAN ARE FINISHED GRADES AND ARE SHOWN AT ONE-FOOT INTERVALS. SPOT ELEVATIONS SHOWN IN PAVED AREAS ARE TOP OF PAVEMENT, UNLESS NOTED OTHERWISE.
10. BUILDING ENTRANCE GRADES: REFER TO THE BUILDING PLANS FOR DETAILED SPOT GRADING AT THE BUILDING ENTRANCE AREAS. THE CONTRACTOR SHALL COMPLY WITH ALL ADA AND TEXAS ACCESSIBILITY STANDARDS FOR REQUIREMENTS REGARDING MAXIMUM SLOPES FOR HANDICAP PARKING AREAS, SIDEWALKS, ACCESS RAMPS AND ACCESSIBLE ROUTES.
11. LANDSCAPE AREAS: ALL LANDSCAPE AREAS AND OTHER DISTURBED AREAS WITHIN THE LIMITS OF THE PROPERTY NOT DESIGNATED TO BE PAVED SHALL RECEIVE SIX (6) INCHES OF TOPSOIL. REFER TO THE EROSION AND SEDIMENT CONTROL PLANS AND/OR LANDSCAPE PLANS FOR LIMITS OF TOPSOIL PLACEMENT.
12. EARTHWORK QUANTITIES: THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALCULATING THE EARTHWORK QUANTITIES BASED ON THE EXISTING AND PROPOSED CONTOURS SHOWN ON THESE PLANS. ALL EARTHWORK SHALL BE CONSIDERED UNCLASSIFIED EXCAVATION AND BID ON A LUMP SUM BASIS, UNLESS NOTED OTHERWISE.

DEMOLITION GENERAL NOTES

- 1. GENERAL CONSTRUCTION NOTES: REFER TO SHEET C1.1 "GENERAL CONSTRUCTION NOTES, LEGEND AND ABBREVIATIONS" FOR THE GENERAL CONSTRUCTION NOTES FOR THE PROJECT.
2. INGRESS AND EGRESS: THE CONTRACTOR SHALL MAINTAIN INGRESS AND EGRESS TO THE SITE AND ADJACENT PROPERTIES AT ALL TIMES AND CONDUCT HIS OPERATIONS WITH MINIMUM INTERFERENCE TO EXISTING TENANTS, THE PUBLIC, AND/OR PRIVATE ACCESSES.
3. PROTECTION OF EXISTING FACILITIES: CONTRACTOR SHALL PROVIDE, ERECT, AND MAINTAIN TEMPORARY BARRIERS, FENCING, BRACING AND SHORING, AND SECURITY DEVICES TO PROTECT EXISTING STRUCTURES, UTILITIES, APPURTENANCES, TREES AND LANDSCAPING, AND TO PREVENT MOVEMENT OR SETTLEMENT OF EXISTING STRUCTURES WHICH ARE NOT TO BE DEMOLISHED AND/OR REMOVED.
4. HAZARDOUS AND/OR CONTAMINATED MATERIALS: THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE GOVERNING AUTHORITIES AND THE DEVELOPER IMMEDIATELY IF HAZARDOUS OR CONTAMINATED MATERIALS ARE DISCOVERED.
5. STORAGE OF MATERIALS FOR RE-USE: CONTRACTOR SHALL REMOVE AND STORE ON SITE (WHERE DESIGNATED BY THE DEVELOPER), ALL MATERIALS TO BE SALVAGED OR RE-INSTALLED LATER IN CONSTRUCTION.
6. FRANCHISE UTILITY COORDINATION: THE CONTRACTOR SHALL NOTIFY AND COORDINATE WITH ALL FRANCHISE UTILITY COMPANIES FOR THE REMOVAL AND/ OR RELOCATION OF THE RESPECTIVE UTILITY LINES AND APPARATUSES USED BY EACH UTILITY. ALL WORK ASSOCIATED WITH FRANCHISE UTILITY REMOVAL, RELOCATION AND/OR MODIFICATIONS ARE TO BE PERFORMED ONLY BY THAT UTILITY PROVIDER UNLESS SPECIFICALLY NOTED OTHERWISE.
7. TREE REMOVAL: NO TREES SHALL BE CUT AND/OR REMOVED FROM THE PROJECT SITE UNLESS SPECIFICALLY AUTHORIZED IN WRITING BY THE GOVERNING AUTHORITY AND/OR DEVELOPER.
8. SAWCUTTING OF EXISTING PAVEMENT: SAWCUTTING, WHERE INDICATED ON THE DRAWINGS FOR REMOVAL OF EXISTING PAVEMENT, SHALL BE A FULL DEPTH CUT THAT IS NEAT AND TRUE IN ALIGNMENT.
9. REMOVAL OF UTILITIES: THE CONTRACTOR SHALL DISCONNECT, REMOVE AND/OR CAP ALL UTILITIES WHERE INDICATED ON THE DRAWINGS, AND SHALL DOCUMENT THE LOCATION OF CAPPED UTILITIES AND SUBSURFACE OBSTRUCTIONS THAT ARE ENCOUNTERED.
10. BUILDING / STRUCTURE REMOVAL: DEMOLITION AND REMOVAL OF DESIGNATED BUILDINGS AND STRUCTURES SHALL INCLUDE, IN ADDITION TO ALL ABOVE GROUND MATERIALS, THE SLAB, FOUNDATION AND PIERS. FOUNDATION AND PIERS SHALL BE REMOVED TO A DEPTH OF AT LEAST 5 FEET BELOW PROPOSED FINISHED GRADE, OR AT LEAST 2 FEET BELOW THE BOTTOM OF ANY PROPOSED IMPROVEMENTS IN THAT LOCATION, WHICHEVER IS GREATER.
11. BACKFILLING: THE CONTRACTOR SHALL BACKFILL ALL EXCAVATED AREAS CAUSED AS A RESULT OF DEMOLITION, AND PROVIDE POSITIVE DRAINAGE TO PREVENT PONDING OF WATER.
12. REMOVAL OF MATERIALS FROM SITE: ALL MATERIALS TO BE REMOVED FROM THE SITE INCLUDING BUT NOT LIMITED TO CONCRETE CURB AND PAVEMENT; ASPHALT PAVEMENT; BUILDING MATERIALS; EXCESS OR UNSUITABLE EARTHEN MATERIAL; UTILITY PIPING; TREES, BRUSH AND STUMPS; FENCING; ROCK; TRASH, REFUSE AND OTHER DEBRIS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE PROJECT AND THE CITY LIMITS AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LAWS GOVERNING SPILLAGE OF DEBRIS WHILE TRANSPORTING TO A DISPOSAL SITE.
13. REPLACEMENT OF DAMAGED FACILITIES: ALL STRUCTURES, UTILITIES, PAVEMENT, SIDEWALKS, WALLS, FENCES, ETC. NOT DESIGNATED TO BE REMOVED BUT THAT ARE DAMAGED DURING CONSTRUCTION ACTIVITIES SHALL BE REPLACED TO A CONDITION AS GOOD AS OR BETTER THAN THE CONDITIONS PRIOR TO STARTING THE WORK, SOLELY AT THE EXPENSE OF THE CONTRACTOR.

Table with 4 columns: DATE, NO., REVISION, APPROVAL

Stantec logo and contact information: 18222 Memorial Drive, Suite 400, Dallas, Texas 75224, Tel: (972) 981-1011, TBE# FJ-6324, TBRPLS # 10194229, Copyright © 2016

Professional Engineer Seal for Robert R. Jevay, State of Texas, License No. 55528

GENERAL CONSTRUCTION NOTES 02

CRESCENT BISHOP ARTS PHASE 1 CRESCENT COMMUNITIES

DRAWN BY: STL
DESIGNED BY: RUJ
QA / QC: STANTEC
PROJECT NO.: 222210029

SHEET C1.2

311T