AND WITH THE FOLLOWING AS APPLICABLE. A. CURRENT TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) "DESIGN CRITERIA FOR DOMESTIC

B. CURRENT CITY OF ROCKWALL STANDARDS OF DESIGN AND CONSTRUCTION, INCLUDING ANY UPDATES.

WASTEWATER SYSTEMS", TEXAS ADMINISTRATIVE CODE (TAC) TITLE 30 PART 1 CHAPTER 217.

C. NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS (NCTCOG) STANDARDS SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 4TH EDITION (OCT 2004), AS AMENDED BY THE CITY OF ROCKWALL SPECIAL

THE CONTRACTOR SHALL POSSESS ONE SET OF THE NCTCOG STANDARD SPECIFICATIONS AND DETAILS AND THE CITY OF ROCKWALL'S "STANDARDS OF DESIGN AND CONSTRUCTION" MANUAL, AND CITY OF ROCKWALL CONSTRUCTION DETIALS ON THE PROJECT SITE AT ALL TIMES.

2. EXISTING UTILITY INFORMATION IS BASED UPON AVAILABLE EXISTING RECORD DRAWINGS AND FIELD DATA, FIELD DATA IS LIMITED TO THAT WHICH IS VISIBLE AND CAN BE MEASURED. THIS DOES NOT PRECLUDE THE EXISTENCE OF OTHER UNDERGROUND UTILITIES. THE COMPLETENESS AND/OR ACCURATENESS OF THE EXISTING PUBLIC AND PRIVATE UTILITIES SHOWN IN THESE PLANS CANNOT BE GUARANTEED. THE CONTRACTOR SHALL AVOID DAMAGE TO ALL UNDERGROUND UTILITIES (SOME OF WHICH MAY NOT HAVE BEEN SHOWN IN THE DRAWINGS) AND SHALL RECORD LOCATIONS AND ELEVATIONS OF ALL SUCH UTILITIES UNCOVERED DURING EXCAVATION ON THE AS-BUILT DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND UNCOVERING ALL EXISTING UTILITIES TO VERIFY THE TYPE, ACTUAL LOCATION, DEPTH and condition prior to beginning the actual work. Utility locations shall be verified at least 100' (FT) IN ADVANCE OF TRENCHING. SO THAT CHANGES IN THE GRADE AND/OR ALIGNMENT MAY BE MADE IN CASES OF CONFLICT. THE CONTRACTOR SHALL NOTIFY EACH OF THE APPROPRIATE UTILITY COMPANIES, A MINIMUM OF TWO WORKING DAYS PRIOR TO CONSTRUCTION. FOLLOWING IS A PARTIAL LIST OF UTILITY COMPANIES THAT HAVE OR MAY HAVE UTILITIES IN THE PROJECT AREA:

A. CITY OF ROCKWALL, JEREMY WHITE, PROJECT MANAGER, PHONE: 972-771-7746

B. CITY OF ROCKWALL, STREET MAINTENANCE, BILLY CHAFFIN, PHONE: 972-772-7763 C. CITY OF ROCKWALL, WATER FIELD SUPERVISOR, CURTIS MCADEN PHONE: 972-345-4175 D. CITY OF ROCKWALL, WASTEWATER FIELD SUPERVISOR, STEVE CLAWSON, PHONE: 972-771-7730

E. CITY OF ROCKWALL, WATER/WASTEWATER MANAGER, RICK SHEFER, PHONE: 972-772-6332

F. CABLE TELEVISION: CHARTER, MARK TIMS, 817-825-1912, www.texas811.org G. TELEPHONE: AT&T, CHARLES BYFORD, PHONE: 903-457-2092, www.texas811.org

H. ELECTRIC: ONCOR, CINDY TAYEM, PHONE: 972-551-6721, www.texas811.org

I. GAS: ATMOS, DINAH WOOD, 972-771-0605, www.texas811.org

J. FIBER OPTIC: www.texas811.org

K. UTILITY LOCATES, www.texas811.org

- 3. ALL CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" BY THE NORTH TEXAS CENTRAL COUNCIL OF GOVERNMENTS, 4TH EDITION AMENDED BY THE CITY OF ROCKWALL. THE CONTRACTOR SHALL REFERENCE THE LATEST CITY OF ROCKWALL STANDARD DETAILS PROVIDED IN THE ROCKWALL PUBLIC WORKS DEPARTMENT, ENGINEERING DIVISIONS "STANDARDS OF DESIGN AND CONSTRUCTION" MANUAL FOR DETAILS NOT PROVIDED IN THESE PLANS. THE CONTRACTOR SHALL POSSESS ONE SET OF THE NCTCOG STANDARD SPECIFICATIONS AND DETAILS AND THE CITY OF ROCKWALL'S "STANDARDS OF DESIGN AND CONSTRUCTION" MANUAL ON THE PROJECT SITE AT ALL TIMES.
- 4. THE CONTRACTOR SHALL PROTECT EXISTING PROPERTY MONUMENTATION AND PRIMARY CONTROL. ANY SUCH POINTS WHICH THE CONTRACTOR BELIEVES WILL BE DESTROYED SHALL HAVE OFFSET POINTS ESTABLISHED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. ANY MONUMENTATION DESTROYED BY THE CONTRACTOR SHALL BE RE-ESTABLISHED AT CONTRACTOR'S EXPENSE BY A REGISTERED PROFESSIONAL LAND SURVEYOR.
- 5. UPON THE CITIES REQUEST THE CONTRACTOR SHALL PROVIDE SURVEY NORTHINGS. EASTINGS AND ELEVATIONS BY REGISTERED PROFESSIONAL LAND SURVEYOR FOR: ANY EXISTING UTILITIES THAT MAY BE IN CONFLICT WITH THE PROPOSED IMPROVEMENTS OF THE CONSTRUCTION PLANS, AND ANY PROPOSED installation to verify it has been installed per plan. (No separate pay)
- 6. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR PERFORMING ALL CONSTRUCTION LAYOUTS FROM THE SITE LAYOUT CONTROL POINTS, AND FROM THE DIMENSIONS AND CENTERLINES SHOWN. THE CONTRACTOR MUST NOTIFY THE ENGINEER OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.
- CONTRACTOR SHALL TAKE ALL AVAILABLE PRECAUTIONS TO CONTROL DUST. CONTRACTOR SHALL CONTROL DUST BY SPRINKLING WATER (NO SEPARATE PAY), OR AS APPROVED BY THE CITY AND ENGINEER.
- 8. ANY CONSTRUCTION ITEM OR REQUIRED WORK SHOWN ON THESE PLANS FOR WHICH THERE IS NO SPECIFIC BID ITEM IN THE PROPOSAL SHALL BE CONSIDERED SUBSIDIARY TO THE OTHER BID ITEMS AND NO SEPARATE PAYMENT SHALL BE MADE.
- CONTRACTOR SHALL PREPARE PHOTOGRAPHS AND A VIDEO RECORD OF THE PROJECT SITE DOCUMENTING SITE CONDITIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION. VIDEO SHALL CLEARLY SHOW ALL PUBLIC AND PRIVATE IMPROVEMENTS WITHIN AND ADJACENT TO THE PROJECT LIMITS INCLUDING, BUT NOT LIMITED TO, DRIVEWAYS, FENCES, STRUCTURES, LANDSCAPING, POOLS, ABOVE GROUND UTILITIES, RETAINING WALLS, ETC. A COPY OF VIDEO RECORD SHALL BE PROVIDED TO CONSTRUCTION INSPECTOR BEFORE THE CONSTRUCTION STARTS. NO SEPARATE PAYMENT SHALL BE MADE FOR PREPARATION OF PHOTOGRAPHS AND VIDEO.
- 10. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN A NEAT AND ACCURATE REDLINE RECORD OF CONSTRUCTION FOR THE CITY'S RECORDS. THE CONTRACTOR SHALL PROVIDE THE CITY FULL SIZE REPRODUCIBLE MARKUPS THAT RECORD ALL CONSTRUCTION DEVIATING FROM PLANS. THESE REDLINE CONSTRUCTION PLAN RECORDS SHALL BE SUBMITTED TO THE CITY AT THE END OF THE JOB AND SIGN BY THE CONTRACTOR. THESE RECORD MUST BE RECEIVED OR THE CITY WILL NOT RELEASE FINAL RETAINAGE OR ACCEPTANCE ON THE JOB.
- 11. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE LINES AND GRADES OR OTHER CONSTRUCTION STAKING. NO SEPARATE PAY.
- 12. THE CONTRACTOR SHALL NOTIFY THE CHIEF OF POLICE, THE FIRE MARSHALL, SCHOOL DISTRICT, EMS, AND LOCAL POST OFFICE IN WRITING AT LEAST FIVE WORKING DAYS PRIOR TO CLOSING AND OPENING OF A PORTION OF ALL OF STREETS FOR THE PROJECT. A COPY OF THE NOTIFICATION SHALL BE SUBMITTED TO CITY OF ROCKWALL.
- 13. ANY DISCREPANCIES OR CONFLICT WITHIN THE DRAWINGS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER. DISCREPANCIES OR CONFLICTS NOT BROUGHT TO ENGINEERS ATTENTION AND CLARIFIED DURING THE BIDDING OF THE PROJECT WILL BE DEEMED TO HAVE BEEN BID OR PROPOSED IN THE MORE COSTLY OR DIFFICULT MANNER, AND THE BETTER QUALITY OR GREATER QUANTITY OF THE WORK SHALL BE PROVIDED BY THE CONTRACTOR IN ACCORDANCE WITH THE ENGINEER'S INTERPRETATION.

ALL ITEMS, WORK, AND IMPROVEMENTS SHOWN OR INDICATED IN THE CONSTRUCTION DOCUMENTS SHALL BE COMPLETED FOR THE PRICES BID, WHETHER OR NOT A SEPARATE PAY ITEM IN INCLUDED IN THE

- 14. THESE PLANS. PREPARED BY TEAGUE NALL & PERKINS. INC. DO NOT EXTEND TO OR INCLUDE DESIGNS OR SYSTEMS PERTAINING TO THE SAFETY OF THE CONSTRUCTION CONTRACTOR OR ITS EMPLOYEES. AGENTS OR REPRESENTATIVE IN THE PERFORMANCE OF THE WORK. THE SEAL OF TEAGUE NALL & PERKINS, INC. LICENSED PROFESSIONAL ENGINEER(S) HERON DOES NOT EXTEND TO ANY SUCH SAFETY SYSTEMS THAT MAY NOW OR HEREAFTER BE INCORPORATED INTO THE WORK. THE CONSTRUCTION CONTRACTOR SHALL PREPARE OR OBTAIN THE APPROPRIATE SAFETY SYSTEMS.
- 15. ALL EXISTING PAVEMENTS, STRUCTURES, UTILITIES, WALKS, ETC. WHICH ARE INTENDED TO REMAIN AND ARE DAMAGED BY THE CONTRACTOR SHALL BE FULLY RESTORED OR REPLACED BY THE CONTRACTOR WITHOUT ADDITIONAL COMPENSATION. ALL ITEMS SHALL BE RESTORED TO EXISTING OR BETTER CONDITION AS PER STANDARD DRAWINGS OR AS DIRECTED BY CITY OF ROCKWALL.
- 16. Contractor is required to verify the project elevations. "Match existing shall be understood TO SIGNIFY VERTICAL AND HORIZONTAL ALIGNMENTS."

## **EROSION CONTROL & VEGETATION**

- THE CONTRACTOR OR DEVELOPER SHALL BE RESPONSIBLE, AS THE ENTITY EXERCISING OPERATIONAL CONTROL, FOR ALL PERMITTING AS REQUIRED BY THE ENVIRONMENTAL PROTECTION AGENCY (EPA) AND THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ). THIS INCLUDES, BUT IS NOT LIMITED TO, PREPARATION OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP), THE CONSTRUCTION SITE NOTICE (CSN), THE NOTICE OF INTENT (NOI), THE NOTICE OF TERMINATION (NOT) AND ANY NOTICE OF CHANGE (NOC) AND IS REQUIRED TO PAY ALL ASSOCIATED FEES.
- EROSION CONTROL DEVICES AS SHOWN ON THE EROSION CONTROL PLAN FOR THE PROJECT SHALL BE INSTALLED PRIOR TO THE START OF LAND DISTURBING ACTIVITIES.
- 3. ALL EROSION CONTROL DEVICES ARE TO BE INSTALLED IN ACCORDANCE WITH THE APPROVED PLANS, SPECIFICATIONS AND STORM WATER POLLUTION PREVENTION PLAN (SWPPP) FOR THE PROJECT. EROSION CONTROL DEVICES SHALL BE PLACED AND IN WORKING ORDER PRIOR TO START OF CONSTRUCTION. CHANGES ARE TO BE REVIEWED BY THE DESIGN ENGINEER AND THE CITY OF ROCKWALL PRIOR TO IMPLEMENTATION.
- 4. IF THE EROSION CONTROL PLANS AND STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AS APPROVED CANNOT APPROPRIATELY CONTROL EROSION AND OFF-SITE SEDIMENTATION FROM THE PROJECT, THE EROSION CONTROL PLAN AND/OR THE SWPPP IS REQUIRED TO BE REVISED AND ANY CHANGES REPORTED TO THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ), WHEN APPLICABLE.
- ALL EROSION CONTROL DEVICES SHALL BE INSPECTED WEEKLY BY THE CONTRACTOR AND AFTER ALL MAJOR RAIN EVENTS, OR MORE FREQUENTLY AS DICTATED IN THE PROJECT STORM WATER POLLUTION PREVENTION PLAN (SWPPP). CONTRACTOR SHALL PROVIDE COPIES OF INSPECTION'S REPORTS TO THE ENGINEERING INSPECTION AFTER EACH INSPECTION.
- THE CONTRACTOR SHALL NOT DISPOSE OF WASTE OR ANY MATERIALS INTO STREAMS, WATERWAYS OR FLOODPLAINS. THE CONTRACTOR SHALL SECURE ALL EXCAVATION AT THE END OF EACH DAY AND DISPOSE OF ALL EXCESS MATERIALS. DISPOSAL SITE SHALL BE DOCUMENTED AND PROVIDED TO THE CITY.
- CONTRACTOR SHALL GRADE GROUND AND DITCHES DISTURBED BY CONSTRUCTION TO PREVENT PONDING OF STORM WATER RUNOFF. GRADING SHALL BE SUBSIDIARY TO THE APPROPRIATE BID ITEM FOR UNCLASSIFIED STREET AND UNCLASSIFIED CHANNEL EXCAVATION. TOPSOIL SHALL BE STOCKPILED AND REPLACED TO A MINIMUM DEPTH OF 6-INCHES AND DISC HARROWED TO A MINIMUM DEPTH OF 4-INCHES (NO PAY ITEM). CONTRACTOR SHALL REPLACE GRASS AREAS DISTURBED BY CONSTRUCTION ACTIVITIES WITH SOLID SOD. SODDED AREAS SHALL BE WATERED AND MAINTAINED UNTIL ESTABLISHED.
- 8. THE CONTRACTOR SHALL PROVIDE 4 INCHES OF TOP SOIL IN ALL PARKWAYS THAT ARE TO BE SODDED. TOP SOIL SHALL BE APPROVED BY THE CITY IN WRITING PRIOR TO INSTALLATION. TOP SOIL SHALL BE SUBSIDIARY TO PLACEMENT OF GRASS/SOD.
- 9. CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED BY CONSTRUCTION TO EXISTING HOMEOWNER LAWNS, FENCES AND SHRUBBERY IRRIGATION SYSTEMS. ALL DAMAGED GRASS AREAS ARE TO BE REPLACED WITH SOD. (NO SEPARATE PAY). AREAS DISTURBED OUTSIDE THE R.O.W. OR LIMITS OF CONSTRUCTION SHALL HAVE GRASS SOD ESTABLISHED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE. THE NEW GRASS (SOD) SHALL MATCH EXISTING.

#### FRANCHISE UTILITY NOTES

- REASONABLE EFFORT HAS BEEN MADE TO SHOW THE LOCATION OF ALL KNOWN UNDERGROUND FRANCHISE UTILITIES AND SERVICE LINES. HOWEVER, THE OWNER ASSUMES NO RESPONSIBILITY FOR FAILURE TO SHOW ANY OR ALL EXISTING SUBSURFACE FRANCHISE UTILITIES OR UTILITY LINE. OR TO SHOW THEM IN THEIR EXACT LOCATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES, SERVICE LINES OR THE LIKE, WHICH ARE EXPOSED BY THE CONSTRUCTION OPERATION.
- EXISTING FRANCHISE UTILITIES SHOWN IN THESE PLANS REFLECT APPROXIMATE LOCATIONS PRIOR TO RELOCATIONS. SOME RELOCATIONS HAVE OCCURRED WITH UTILITY POLE, GAS, PHONE AND CABLE UTILITIES. THE CONTRACTOR SHALL CONTACT DIG-TESS TO LOCATE EXISTING AND NEW UTILITIES NOT SHOWN IN THESE
- CONTRACTOR SHALL SUPPORT UTILITIES WHERE CROSSING WITH PROPOSED STORM SEWER. WATER LINES AND SANITARY SEWERS. METHOD OF SUPPORT SHALL BE PROVIDED TO THE OWNER 24 HOURS PRIOR TO CROSSING.
- 4. THE LOCATION OFF ALL ATMOS GAS LINES, AT&T, CHARTER AND TXU/ONCOR ELECTRIC UNDERGROUND PHONE LINES IN THESE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL CONTACT ATMOS, TXU/ONCOR, AT&T AND CHARTER TO VERIFY LOCATION AND DEPTH OF ALL EXISTING GAS, ELECTRIC AND PHONE LINES PRIOR TO
- CONTRACTOR SHALL HAVE AND PAY FOR TXU/ONCOR, AT&T AND/OR CHARTER SUPPORT AND PROTECT ALL POWER, GUY WIRES OR CABLE AND/OR LIGHT POLES IN THE WORK AREA. ANY DAMAGE INCURRED TO EXISTING FRANCHISE UTILITIES, APPURTENANCES, UTILITY POLES, LIGHT STANDARDS, ETC. BY CONSTRUCTION RELATED ACTIVITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

## TRAFFIC CONTROL

- A SUGGESTED TRAFFIC CONTROL PLANS ARE PROVIDED IN THE PLAN SET. CONTRACTOR IS REQUIRED TO USE THE SUGGESTED SEQUENCE AND TRAFFIC CONTROL PLANS AT A MINIMUM. IF CONTRACTOR CHOOSES TO PERFORM THE SEQUENCING OTHER THAN SUGGESTED, A TRAFFIC CONTROL AND SEQUENCING PLAN SHALL BE PROVIDED AND GET APPROVAL FROM THE CITY. ALL PLANS SHALL BE SIGNED AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF TEXAS.
- PEDESTRIAN AND VEHICULAR TRAFFIC FLOW. SAFETY AND ACCESS SHALL BE MAINTAINED DURING ALL PHASES OF CONSTRUCTION. BARRICADING AND TRAFFIC CONTROL DURING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL CONFORM TO THE "TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES". LATEST EDITION. PART IV IN PARTICULAR. TRAFFIC FLOW AND ACCESS SHALL BE MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNLESS OTHERWISE NOTED ON THE TRAFFIC CONTROL PLAN. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING TRAFFIC SAFETY MEASURES FOR WORK ON THE PROJECT. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR PUBLIC SAFETY IN THE CONSTRUCTION AREA DURING THE DURATION OF CONSTRUCTION ACTIVITIES.
- 3. THE CONTRACTOR SHALL FURNISH, INSTALL, MAINTAIN AND REMOVE ALL NECESSARY TRAFFIC CONTROL DEVICES IN CONFORMANCE WITH THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (PART 6). THE CONTRACTOR SHALL PROVIDE ACCESS TO PROPERTIES AT ALL TIMES DURING EACH PHASE OF CONSTRUCTION TO ALL LOCAL RESIDENTS, BUSINESSES, MAIL SERVICE, TRASH PICK-UP AND EMERGENCY SERVICES.
- 4. NO TRAFFIC SIGNS SHALL BE TAKEN DOWN WITHOUT PERMISSION FROM THE CITY. CONTRACTOR NEEDING TO MOVE AND REPLACE TRAFFIC SIGN FOR CONSTRUCTION PURPOSES SHOULD BE PAID FOR UNDER TRAFFIC CONTROL BID ITEM.
- CONTRACTOR WILL FURNISH AND INSTALL ALL SIGNAGE IN ACCORDANCE WITH TMUTCD GUIDELINES. PRIOR TO INSTALLATION OF SIGNAGE, CONTRACTOR SHALL STAKE LOCATIONS AND RECEIVE APPROVAL FROM CITY ON LOCATIONS. ALL SIGNAGE THAT IS REMOVED BY THE CONTRACTOR SHALL BE SAVED AND DELIVERED TO MUNICIPAL SERVICE CENTER, STREETS DIVISION. ALL REPLACED SIGNS SHALL BE NEW. SEE CITY REQUIREMENTS FOR SIGN MATERIALS.

## MAILBOX, MAIL SERVICE AND TRASH SERVICE

- EXISTING MAILBOXES IN CONFLICT WITH CONSTRUCTION SHALL BE TAKEN OUT OF SERVICE, REMOVED AND REPLACE TO THE SAME OR BETTER CONDITION AND PLACED IN A LOCATION APPROVED BY THE CITY/PROPERTY OWNER. PHOTOGRAPHS OF THE MAILBOX SHALL BE TAKEN WITH THE ADDRESS SHOWN, SHALL BE PROVIDED TO THE CITY PRIOR TO BEING REMOVED.
- TEMPORARY MAILBOX SHALL BE PROVIDED AND MAINTAINED THROUGHOUT THE PROJECT WHERE EXISTING MAIL BOXES ARE BEING REMOVED. ADDRESSES SHALL BE PROVIDED ON ALL TEMPORARY MAIL BOXES.
- PAYMENT FOR REMOVAL AND REPLACEMENT OF EXISTING MAILBOX WILL BE PAID FOR UNDER THE APPROPRIATE BID ITEM. BRICK MAILBOX SHALL MATCH EXISTING BRICK.
- CONTRACTOR SHALL COORDINATE WITH LOCAL TRASH COLLECTION COMPANY TO MAINTAIN SERVICE TO ALL RESIDENT WITHIN THE PROJECT LIMITS. WHEN ACCESS TO PROPERTIES IS NOT AVAILABLE, CONTRACTOR SHALL ROLL CONTAINERS ACROSS THE CONSTRUCTION AREA, PICK UP AND RETURN TO THE RESIDENTS PROPERTY. CONTRACTOR SHALL PLACE ADDRESS ON CONTAINERS. (NO SEPARATE PAY)

#### FENCES, TREES, LANDSCAPING AND IRRIGATION

- THE REMOVAL, REPLACEMENT OR RECONSTRUCTION OF ANY FENCE FOR THE CONVENIENCE OF CONSTRUCTION SHALL BE AT THE CONTRACTOR'S EXPENSE (NO SEPARATE PAY). NEW MATERIALS SHALL MATCH EXISTING FENCES. ALL WOOD FENCES SHALL BE REPLACED WITH NEW CEDAR WITH THE POST MATCHING CITY REQUIREMENTS.
- 2. TEMPORARY FENCING SHALL BE REQUIRED WHERE THERE IS EVIDENCE OF LIVESTOCK AND WHERE DAMAGED OR REMOVED FENCES ARE NOT TO BE REPLACED BY THE END OF THE SAME WORK DAY.
- 3. THE REMOVAL AND REPLACEMENT OF ALL SHRUBS, PLANTS, TREES, ETC. FOR THE CONVENIENCE OF CONSTRUCTION SHALL BE AT THE CONTRACTOR'S EXPENSE (NO SEPARATE PAY). NEW SHRUBS, TREE, ETC. SHALL BE EQUAL TO OR BETTER THAN EXISTING ONES OR MEET.
- 4. ALL SHRUBS, PLANTS, TREES, ETC. MUST BE APPROVED BY THE CITY BEFORE REMOVAL.
- 5. THE CONTRACTOR SHALL LOCATE AND RECORD EXISTING IRRIGATION SYSTEMS PRIOR TO CONSTRUCTION. IF irrigations systems are damaged during construction the contractor shall repair to same or BETTER CONDITION. AN IRRIGATOR LICENSED IN THE STATE OF TEXAS SHALL REPAIR ALL DAMAGED CAUSED BY CONSTRUCTION. CONTRACTOR SHALL COORDINATE ANY IRRIGATION WORK WITH THE CITY OF ROCKWALL AND PROPERTY OWNER'S REPRESENTATIVES.
- CONTRACTOR SHALL REPLACE ANY TREES REMOVED OR DESTROYED THAT ARE NOT SHOWN IN THESE PLANS TO BE REMOVED OR SHALL PAY FAIR MARKET VALUE TO THE OWNER AS DETERMINED BY THE OWNER. (NO SEPARATE PAY).

#### DRAINAGE/ STORM SEWER

- THE CONTRACTOR SHALL MAINTAIN DRAINAGE AT ALL TIMES DURING CONSTRUCTION. PONDING OF WATER IN STREETS, DRIVES, TRENCHES, ETC. WILL NOT BE ALLOWED. EXISTING DRAINAGE WAYS SHALL NOT BE BLOCKED OR REMOVED UNLESS EXPLICITLY STATED IN THE PLANS OR WRITTEN APPROVAL IS GIVEN BY THE
- ALL STRUCTURAL CONCRETE SHALL BE CLASS "C" (4200 PSI COMPRESSIVE STRENGTH AT 28 DAYS, MINIMUM OF 7.0 SACK), AIR ENTRAINED, UNLESS NOTED OTHERWISE.
- PROPOSED STORM SEWER EMBEDMENT SHALL BE NCTCOG CLASS 'B' AS AMENDED BY THE CITY OF ROCKWALL PUBLIC WORKS, ENGINEERING DIVISION STANDARDS OF DESIGN AND CONSTRUCTION MANUAL.
- 4. ALL STORM PIPE SHALL BE REINFORCED CONCRETE PIPE (RCP), CLASS III, UNLESS OTHERWISE NOTED.

## DEMOLITION, REMOVAL, DISPOSAL AND EXCAVATION

- CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE OF ALL EXISTING CONCRETE AND HMAC PAVEMENT OUTSIDE OF THE CITY LIMITS AS REQUIRED FOR CONSTRUCTION OF THE PROJECT. ALL COST SHALL BE INCLUDED IN THE APPROPRIATE ITEM IN THE BID SCHEDULE. PAYMENTS FOR REMOVAL AND REPLACEMENT OF STREET, DRIVEWAY AND SIDEWALK PAVEMENT SHALL BE BASED ON PLAN QUANTITY AND NO ADJUSTMENTS WILL BE MADE UNLESS APPROVED IN WRITING BY THE CITY ENGINEER.
- ALL PAVEMENTS TO BE REMOVED AND REPLACED SHALL BE SAW CUT TO FULL DEPTH ALONG NEAT LINES SHOWN IN THE PLANS. PROPOSED CONCRETE PAVEMENT SHALL BE CONSTRUCTED WITH LONGITUDINAL BUTT CONSTRUCTION JOINTS AT ALL CONNECTIONS TO EXISTING CONCRETE PAVEMENT.
- THE CONTRACTOR SHALL REMOVE FROM THE PROJECT AREA ALL SURPLUS MATERIAL. THIS WORK SHALL BE INCIDENTAL AND NOT A SEPARATE PAY ITEM. SURPLUS MATERIALS FROM EXCAVATION INCLUDE DIRT, TRASH ROCK MEASURING GREATER THAN 6" IN THE LARGEST DIMENSION, ETC. SHALL BE PROPERLY DISPOSED OF AT A SITE ACCEPTABLE TO THE CITY OF ROCKWALL IF WITHIN THE CITY LIMITS. NO EXCESS EXCAVATED MATERIAL SHALL BE DEPOSITED IN LOW AREAS OR ALONG NATURAL DRAINAGE WAYS WITHOUT WRITTEN PERMISSION FROM THE AFFECTED PROPERTY OWNER AND THE CITY OF ROCKWALL. IF THE CONTRACTOR PLACES EXCESS MATERIALS IN THESE AREAS WITHOUT WRITTEN PERMISSION, HE WILL BE RESPONSIBLE FOR ALL DAMAGES RESULTING FROM SUCH FILL AND HE SHALL REMOVE THE MATERIAL AT HIS OWN COST.
- 4. ALL EXCAVATION ON THE PROJECT IS UNCLASSIFIED. IF SOIL BORINGS WERE CONDUCTED THEY ARE PROVIDED IN THE BID/CONTRACT DOCUMENTS.

### **PAVING**

- ALL PAVING ROADWAY SECTIONS THICKNESS, STRENGTH, REINFORCEMENT, JOINT TYPE, JOINT SPACING AND SUBGRADE TREATMENT SHALL MATCH THE TYPICAL SECTIONS AND DETAILS CALLED OUT IN THE PLANS. IF NOT CALLED OUT ON THE PLANS ALL CONCRETE PAVING SHALL CONFORM TO THE MINIMUM REQUIREMENTS OF TABLE 2.3 IN THE STANDARDS OF DESIGN AND CONSTRUCTION.
- 2. REINFORCING STEEL SHALL BE TIED (100%), REINFORCING STEEL SHALL BE SET ON PLASTIC CHAIRS. BAR LAPS SHALL BE MINIMUM 30 DIAMETERS. SAWED TRANSVERSE DUMMY JOINTS SHALL BE SPACED EVERY 15 FEET OR 1.25 TIME LONGITUDINAL BUTT JOINT SPACING WHICHEVER IS LESS. SAWING SHALL OCCUR WITHIN 5 TO 12 HOURS AFTER THE POUR, INCLUDING SEALING. OTHERWISE, THE SECTION SHALL BE REMOVED AND LONGITUDINAL BUTT JOINT CONSTRUCTED.
- ALL PROPOSED HMAC STREET PAVEMENT SHALL CONSIST OF 4 INCHES OF TYPE B (BASE) WITH 2 INCHES OF TYPE D (SURFACE) ON TOP OF 6" FLEX BASE (IF NOT SPECIFIED IN THE PLANS).
- 4. NO SAND SHALL BE ALLOWED UNDER ANY PAVING.

PER 1.0 LB CEMENT REDUCTION.

- 5. CONCRETE MIX DESIGN SHALL BE SUBMITTED TO THE CITY FOR REVIEW AND APPROVAL PRIOR TO PLACEMENT.
- 6. FLY ASH MAY BE USED IN CONCRETE PAVEMENT LOCATIONS PROVIDED THAT THE MAXIMUM CEMENT REDUCTION DOES NOT EXCEED 20% BY WEIGHT PER C.Y. OF CONCRETE. THE FLY ASH REPLACEMENT SHALL BE 1.25 LBS
- 7. ALL CURB AND GUTTER SHALL BE INTEGRAL (MONOLITHIC) WITH THE PAVEMENT.
- 8. ALL FILL SHALL BE COMPACTED BY SHEEP'S FOOT ROLLER TO A MINIMUM 95% STANDARD PROCTOR. MAXIMUM LOOSE LIFT FOR COMPACTION SHALL BE 8 INCHES. ALL LIFTS SHALL BE TESTED FOR DENSITY BY AN INDEPENDENT LABORATORY APPROVED BY THE CITY.
- 9. ALL PROPOSED SIDEWALKS SHALL INCLUDE BARRIER FREE RAMPS AT INTERSECTING STREETS, ALLEYS, ETC. BARRIER FREE RAMPS SHALL MEET CURRENT CITY AND ADA REQUIREMENTS AND BE APPROVED BY THE TEXAS DEPARTMENT OF LICENSING AND REGULATION (TDLR).
- 10. SIDEWALKS SHALL BE DOWELED INTO PAVEMENT WHERE IT ABUTS CURBS AND DRIVEWAYS. EXPANSION JOINT MATERIAL SHALL BE USED AT THESE LOCATIONS (NO PAY ITEM).
- 11. ALL CONNECTION OF PROPOSED CONCRETE PAVEMENT TO EXISTING CONCRETE PAVEMENT SHALL INCLUDE A LONGITUDINAL BUTT JOINT AS THE LOAD TRANSFER DEVICE. CONCRETE SAW CUTS FOR ALL DRIVEWAYS AND SIDEWALKS SHALL BE SUBSIDIARY TO THE APPROPRIATE BID ITEM FOR DRIVEWAY AND SIDEWALK REPLACEMENT AND NO SEPARATE PAYMENT SHALL BE MADE. ALL LONGITUDINAL BUTT JOINTS SHALL BE CLEAN, STRAIGHT AND SMOOTH (NOT JAGGED IN APPEARANCE).
- 12. THERE SHALL BE NO SEPARATE PAYMENT FOR SUBGRADE PREPARATION UNDER DRIVEWAY AND SIDEWALK AREAS AND ALL COST SHALL BE INCLUDED IN THE APPROPRIATE ITEMS OF THE BID SCHEDULE.
- 13. CRACKS FORMED IN CONCRETE PAVEMENT SHALL BE REPAIRED OR REMOVED BY THE CONTRACTOR AT THE CITY'S DISCRETION.
- 14. THE LOCATION OF DRIVEWAYS, STEPS, ETC., AS SHOWN ON THESE PLANS ARE APPROXIMATE. ACCURATE LOCATION SHALL BE DETERMINED AT THE TIME OF CONSTRUCTION AFTER CONSULTATION WITH THE PROPERTY
- 15. CONTRACTOR SHALL MATCH EXISTING PAVEMENT GRADES AND ELEVATIONS, INCLUDING CURB LINES, WITH PROPOSED PAVEMENT REPLACEMENT: HOWEVER, CONTRACTOR SHALL ENDEAVOR TO CORRECT ANY EXISTING LOW SPOT IN PAVEMENT OR CURB TO PREVENT PONDING.
- 16. CONTRACTOR SHALL COORDINATE WITH CITY FOR ALL THE EXISTING LANDSCAPE CONFLICTS WITHIN PROPOSED IMPROVEMENTS. CONTRACTOR SHALL NOT REMOVE EXISTING LANDSCAPE IN CONFLICT UNTIL HAVING COORDINATED
- 17. ALL PRIVATE LEAD WALKS REMOVED SHALL BE REPLACED WITH THE SAME MATERIAL TO EXISTING OR BETTER CONDITION.

revision by date

teague nall and perkins, inc

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1 inch long N/A N/A SEP 2019



# RECORD DOCUMENTS

THE CONTRACTOR. CHANGES MADE FROM THE ORIGINAL CONSTRUCTION DOCUMENTS DO NOT DEPICT ENGINEERING AND ARE NOT THE RESPONSIBILITY OF TEAGUE NALL & PERKINS, INC. OR THE ENGINEER OF RECORD ON THE ORIGINAL DOCUMENTS. ORIGINAL PLANS RELEASED FOR CONSTRUCTION WERE SEALED BY GYANENDRA POKHREL, P.E. NO. 118159 ON 09/28/2018.

CITY OF ROCKWALL, TEXAS

OF THE CONSTRUCTED PROJECT, AND REFLECT REVISIONS HIGHLAND DRIVE RECONSTRUCTION, PHASE AND CONSTRUCTION RELATED CHANGES AS RECORDED BY (DRIFTWOOD STREET TO BEDFORD FALLS LANE)

**GENERAL NOTES** 

RWL18219 sheet

tnp project