

**GENERAL NOTES FOR ALL CONSTRUCTION ACTIVITIES**

- ALL CONSTRUCTION, TESTING, AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CITY'S CURRENT STANDARDS, DETAILS, AND SPECIFICATIONS AND NCTCOG 3<sup>RD</sup> EDITION.
- TESTING AND INSPECTION OF MATERIALS SHALL BE PERFORMED BY A COMMERCIAL TESTING LABORATORY APPROVED BY THE CITY. CONTRACTOR SHALL FURNISH MATERIALS OR SPECIMENS FOR TESTING, AND SHALL FURNISH SUITABLE EVIDENCE THAT THE MATERIALS PROPOSED TO BE INCORPORATED INTO THE WORK ARE IN ACCORDANCE WITH THE SPECIFICATIONS.
- CONTRACTOR SHALL NOTIFY THE CITY AT LEAST 48 HOURS PRIOR TO BEGINNING ANY CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS PRIOR TO BEGINNING ANY CONSTRUCTION.
- CONTRACTOR MUST KEEP AVAILABLE ON-SITE AT ALL TIMES APPROVED CONSTRUCTION PLANS AND COPIES OF ANY REQUIRED PERMITS ALONG WITH THE CURRENT VERSIONS OF THE FOLLOWING REFERENCES: CITY OF ROCKWALL ENGINEERING STANDARDS AND NCTCOG SPECIFICATIONS, THIRD EDITION, WITH CITY REVISIONS.
- ALL SHOP DRAWINGS, WORKING DRAWINGS OR OTHER DOCUMENTS WHICH REQUIRE REVIEW BY THE CITY SHALL BE SUBMITTED BY THE CONTRACTOR SUFFICIENTLY IN ADVANCE OF SCHEDULED CONSTRUCTION TO ALLOW NO LESS THAN 14 CALENDAR DAYS FOR REVIEW AND RESPONSE BY THE CITY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED CONSTRUCTION SURVEYING AND STAKING AND SHALL NOTIFY THE CITY OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH ANY WORK.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL SURVEY MARKERS INCLUDING IRON RODS, PROPERTY CORNERS, OR SURVEY MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION AND OUTSIDE ROW DURING CONSTRUCTION. ANY SURVEY MARKERS DISTURBED DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR AT NO COST TO THE CITY.
- CONTRACTOR SHALL PROVIDE A CONSTRUCTION SCHEDULE WITH WEEKLY PROGRESS REPORTS.
- CONTRACTOR IS RESPONSIBLE FOR KEEPING STREETS AND DRIVEWAYS ADJACENT TO THE PROJECT FREE OF MUD AND DEBRIS AT ALL TIMES. CONTRACTOR SHALL CLEAN UP AND REMOVE ALL LOOSE MATERIAL RESULTING FROM CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL TAKE ALL AVAILABLE PRECAUTIONS TO CONTROL DUST.
- THE EXISTENCE AND LOCATIONS OF THE PUBLIC AND FRANCHISE UTILITIES SHOWN ON THE DRAWINGS WERE OBTAINED FROM AVAILABLE RECORDS AND ARE APPROXIMATE. THE CONTRACTOR SHALL DETERMINE THE DEPTH AND LOCATION OF EXISTING UNDERGROUND UTILITIES PRIOR TO EXCAVATING, TRENCHING, OR DRILLING AND SHALL BE REQUIRED TO TAKE ANY PRECAUTIONARY MEASURES TO PROTECT ALL LINES SHOWN AND / OR ANY OTHER UNDERGROUND UTILITIES NOT OF RECORD OR NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL PUBLIC AGENCIES AND FRANCHISE UTILITIES 48 HOURS PRIOR TO CONSTRUCTION. (DIG-TESS 1-800-344-8377) THE CONTRACTOR MAY BE REQUIRED EXPOSE THESE FACILITIES AT NO COST TO THE CITY. THE CONTRACTOR WILL BE RESPONSIBLE FOR DAMAGES TO UTILITIES IF THE DAMAGE IS CAUSED BY NEGLIGENCE OR FAILURE TO HAVE LOCATES PERFORMED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING FACILITIES OR ADJACENT PROPERTIES DURING CONSTRUCTION. ANY REMOVAL OR DAMAGE TO EXISTING FACILITIES SHALL BE REPLACED OR REPAIRED TO EQUAL OR BETTER CONDITION BY THE CONTRACTOR.
- CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING AND INSTALLING ALL TEMPORARY AND PERMANENT TRAFFIC CONTROL IN ACCORDANCE WITH THE MINIMUM REQUIREMENTS OF THE LATEST REVISION OF THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD) AND TXDOT BARRICADE AND CONSTRUCTION STANDARDS.
- CONTRACTOR SHALL NOT IMPEDE TRAFFIC ON EXISTING STREETS, DRIVEWAYS, ALLEYS, OR FIRE LANES OPEN TO THE PUBLIC. IN THE EVENT THE CONSTRUCTION WORK REQUIRES THE CLOSURE OF AN EXISTING STREET, ALLEY, OR FIRE LANE, THE CONTRACTOR SHALL REQUEST THE ROAD CLOSURE FROM THE CITY A MINIMUM OF 48 HOURS IN ADVANCE OF THE REQUESTED CLOSURE. CLOSURES WILL NOT BE ALLOWED PRIOR TO 9:00 A.M. OR AFTER 3:30 P.M., MONDAY THROUGH FRIDAY UNLESS OTHERWISE APPROVED BY THE CITY.
- CONTRACTOR SHALL NOT STORE MATERIALS, EQUIPMENT OR OTHER CONSTRUCTION ITEMS ON ADJACENT PROPERTIES OR RIGHT-OF-WAY WITHOUT THE PRIOR WRITTEN CONSENT OF THE PROPERTY OWNER AND THE CITY.
- TEMPORARY FENCING SHALL BE INSTALLED PRIOR TO THE REMOVAL OF EXISTING FENCING. TEMPORARY FENCING SHALL BE REMOVED AFTER PROPOSED FENCING IS APPROVED BY THE CITY. ALL TEMPORARY AND PROPOSED FENCING LOCATIONS SHALL BE SUBJECT TO FIELD REVISIONS AS DIRECTED BY THE CITY.
- UNUSABLE EXCAVATED MATERIAL, OR CONSTRUCTION DEBRIS SHALL BE REMOVED AND DISPOSED OF OFFSITE AT AN APPROVED DISPOSAL FACILITY BY THE CONTRACTOR AT HIS EXPENSE.
- CONTRACTOR SHALL AVOID DAMAGE TO EXISTING TREES. WHEN NECESSARY, TREES AND SHRUB TRIMMING FOR CONSTRUCTION SHALL BE PERFORMED BY CERTIFIED TREE WORKER OR UNDER THE DIRECTION OF A REGISTERED LANDSCAPE ARCHITECT OR CERTIFIED ARBORIST.

**GENERAL NOTES FOR ALL CONSTRUCTION ACTIVITIES (CONT'D)**

- EROSION CONTROL DEVICES SHALL BE INSTALLED ON ALL PROJECTS PRIOR TO BEGINNING CONSTRUCTION AND SHALL BE MAINTAINED THROUGHOUT THE PROJECT IN A CONDITION ACCEPTABLE TO THE CITY.
- CONTRACTOR SHALL LOCATE AND PROTECT ALL EXISTING LANDSCAPE IRRIGATION SYSTEMS. DAMAGE TO EXISTING IRRIGATION SYSTEMS AND LANDSCAPE MATERIALS SHALL BE RESTORED TO EQUAL OR BETTER CONDITION AT NO COST TO CITY.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN A NEAT AND ACCURATE RECORD OF CONSTRUCTION FOR THE CITY'S RECORDS.
- THIS LOCATE REQUEST COULD BE NEAR AN AT&T FACILITY PROVIDING SWITCHING, ROUTING AND TRANSMISSION SERVICES TO THE SURROUNDING AREA EXCAVATOR MUST WAIT FOR ALL LOCATES TO BE COMPLETED BEFORE DIGGING IN THE AREA, TAKE CARE TO OBSERVE SITE MARKINGS SUCH AS ORANGE PAINT AND FLAGS LABELED ATT/D
 

**\*\*NOTE: IF THE AREA HAS NO AT&T FACILITIES IN CONFLICT, THE AREA WILL BE MARKED WITH ORANGE PAINT SHOWING ATT/D CLR. DAMAGING THESE FACILITIES COULD INTERRUPT THOUSANDS OF SERVICES.**

HAND DIGGING IS MANDATORY WITHIN THE STATUTORY TOLERANCE ZONE. A CABLE DEPTH WILL NOT BE PROVIDED BY THE UTILITY COMPANY OR LOCATOR. AN EXCAVATOR IS REQUIRED TO POT-HOLE IN ORDER TO DETERMINE A FACILITY'S DEPTH.

AT&T DISTRIBUTION DAMAGE PREVENTION: IF ASSISTANCE IS NEEDED DURING AN EXCAVATION AT&T FACILITIES PLEASE CONTACT LARRY YOUNG AT (817) 589-1056.
- ALL DISTURBED AREAS TO BE SODDED.

**GENERAL NOTES FOR PAVING**

- ALL PAVING CONSTRUCTION, TESTING, AND MATERIALS, INCLUDING CONCRETE, REINFORCEMENT, JOINTING, AND SUBGRADE PREPARATION AND TREATMENT SHALL BE IN ACCORDANCE WITH THE CITY'S CURRENT STANDARDS AND NCTCOG 3<sup>RD</sup> EDITION, DETAILS, AND SPECIFICATIONS UNLESS OTHERWISE NOTED.
- ABSOLUTELY NO EARTHWORK, LIME APPLICATION, OR OTHER PREPARATION OF THE SUBGRADE FOR PAVING OF STREETS, ALLEYS, OR FIRE LANES SHALL BE INITIATED WITHOUT AUTHORIZATION FROM THE CITY. THE CITY WILL AUTHORIZE THE SUBGRADE WORK IN PREPARATION FOR PAVING AFTER UTILITY TRENCH BACKFILL TESTING HAS BEEN COMPLETED AND VERIFIED TO MEET THE CITY REQUIREMENTS.
- ALL PROPOSED HMAC STREET PAVEMENT SHALL CONSIST OF 4 INCHES OF TYPE B (BASE) WITH 2 INCHES OF TYPE D (SURFACE). FOR OVERLAYS, IN ACCORDANCE WITH NCTCOG ITEMS 5.7
- STREET, ALLEY, AND DRIVEWAY CONCRETE PAVEMENT SHALL MEET THE REQUIREMENTS OF NCTCOG ITEM 7.4.5 WITH THE FOLLOWING REQUIREMENTS:
  - MINIMUM COMPRESSIVE STRENGTH @ 28 DAYS 3,600-PSI
  - MINIMUM CEMENT PER CUBIC YARD (MACHINE) 6.0 SACKS
  - MINIMUM CEMENT PER CUBIC YARD (HAND POURED) 6.5 SACKS
  - MINIMUM W/C RATIO 6.0
  - MAXIMUM SLUMP SLIP FORM 3.0 INCHES
  - MAXIMUM SLUMP POURED BY HAND 4.0 INCHES
- REINFORCED CONCRETE SIDEWALKS SHALL BE IN CONFORMANCE WITH NCTCOG ITEM 7.4.5, CLASS "C CONCRETE (3,600-PSI @ 28 DAYS).
- ALL PROPOSED CONCRETE STREET REINFORCEMENT SHALL BE #3 BARS ON 18-INCH CENTERS EACH WAY.
- CONCRETE FOR ALL CURB AND GUTTERS, VALLEY GUTTERS, DRIVEWAYS, SIDEWALKS AND BRICK PAVER BORDERS AND BASES SHALL BE IN CONFORMANCE WITH NCTCOG ITEM 7.4.5 CLASS "C" CONCRETE (3600 P.S.I. THE CONTRACTOR SHALL UTILIZE ONE CONCRETE MIX DESIGN THROUGHOUT THE PROJECT. CONCRETE MIX DESIGN SHALL BE SUBMITTED FOR REVIEW.
- REINFORCING STEEL SHALL BE IN ACCORDANCE WITH ASTM 615, 616, AND 617.
- ALL 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 OR 1.25 TIMES LONGITUDINAL BUTT JOINT SPACING, WHICHEVER IS LESS. SAWING SHALL OCCUR WITHIN 5 TO 10 HOURS AFTER THE POUR INCLUDING SEALING. OTHERWISE THE SECTION SHALL BE REMOVED AND LONGITUDINAL BUTT JOINT CONSTRUCTED.
- ALL FILL SHALL BE COMPACTED BY SHEEPS FOOT ROLLER. MAXIMUM LOOSE LIFT FOR COMPACTION SHALL BE 8 INCHES. ALL LIFTS SHALL BE TESTED FOR DENSITY BY AN INDEPENDENT LABORATORY APPROVED BY THE CITY.
- ALL AREAS OUTSIDE PAVEMENT DISTURBED BY CONSTRUCTION ACTIVITIES SHALL HAVE GRASS ESTABLISHED IMMEDIATELY. GRASS SHALL MEET THE REQUIREMENTS OF ITEM 3.8, 3.9, 3.10, AND OF NCTCOG. PAYMENT SHALL BE MADE UNDER THE APPROPRIATE BID SCHEDULE ITEM. AREAS DISTURBED OUTSIDE THE R.O.W. OR LIMITS OF CONSTRUCTION SHALL HAVE GRASS ESTABLISHED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.

**LEGEND**

D.R.D.C.T.	DEED RECORDS, DALLAS COUNTY, TEXAS
FH	FIRE HYDRANT
FL	FLOWLINE
G	GUTTER
ICV	IRRIGATION CONTROL VALVE
I.R.F.	IRON ROD FOUND
LP	LIGHT POLE
MB	MAILBOX
PG.	PAGE
PLTR	PLANTER
R.O.W.	RIGHT-OF-WAY
R/W	RETAINING WALL
S	SIGN
SH	SPRINKLER HEAD
SSCO	SANITARY SEWER CLEANOUT
SSMH	SANITARY SEWER MANHOLE
S/W	SIDEWALK (CONCRETE)
TCI	TOP CURB INLET
TR	TELEPHONE RISER
TS	TRAFFIC SIGN
TVA	TELEPHONE VAULT
UE	UNDERGROUND ELECTRIC
UVZ	UNDERGROUND VERIZON
VA	VAULT
VOL.	VOLUME
WM	WATER METER
W/F	WOOD FENCE
WV	WATER VALVE

**GENERAL NOTES FOR PAVING (CONTINUED)**

- ALL AREAS TO BE EXCAVATED OR FILLED SHALL HAVE EROSION CONTROL PLACED PRIOR TO COMMENCING EARTHWORK AS PROVIDED IN THE APPROPRIATE SECTION OF THE BID SCHEDULE. EROSION CONTROL DEVICES SHALL BE MAINTAINED THROUGHOUT THE PROJECT IN ACCORDANCE WITH NCTCOG ITEM 3.12.
- ALL PROPOSED SIDEWALKS SHALL INCLUDE BARRIER FREE RAMPS AT INTERSECTIONS STREETS, ALLEYS, DRIVEWAYS, ETC. BARRIER FREE RAMPS SHALL MEET CURRENT ADA REQUIREMENTS AND BE APPROVED BY THE TEXAS LICENSING BOARD.
- SIDEWALKS SHALL BE DOWELED INTO PAVEMENT WHERE IT ABUTS CURBS AND DRIVEWAYS. EXPANSION JOINT MATERIAL SHALL BE USED AT THESE LOCATIONS (NO PAY ITEM).
- CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE OF ALL EXISTING CONCRETE AND HMAC PAVEMENT AS REQUIRED FOR CONSTRUCTION OF THE PROJECT. ALL COSTS SHALL BE INCLUDED IN THE APPROPRIATE ITEMS IN THE BID SCHEDULE.
- ALL CONNECTIONS 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 SIDEWALK PAVEMENT REPAIRS.
- CONTRACTOR IS RESPONSIBLE FOR ENSURING ALL PEDESTRIAN WORK MEETS OR EXCEEDS THE CURRENT AMERICAN WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG) AND THE TEXAS ACCESSIBILITY STANDARDS (TAS). THE CONTRACTOR SHALL REMOVE AND REPLACE ANY CONSTRUCTED OR INSTALLED ITEMS NOT MEETING THE CURRENT ADAAG AND TAS REQUIREMENTS AT NO ADDITIONAL COST TO THE CITY.

**GENERAL NOTES FOR WATER AND WASTEWATER**

- ALL WATER AND WASTEWATER CONSTRUCTION, TESTING, AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CURRENT CITY AND NCTCOG 3<sup>RD</sup> EDITION STANDARDS, DETAILS, AND SPECIFICATIONS UNLESS OTHERWISE NOTED.
- THE CITY OF ROCKWALL DETAILS SHALL GOVERN. IF AN ITEM IS NOT COVERED IN THESE DETAILS, NCTCOG 3<sup>RD</sup> EDITION SPECIFICATIONS AND STANDARDS SHALL BE USED.
- CONTRACTOR SHALL SUBMIT A TRENCH SAFETY PLAN PRIOR TO THE PRE-CONSTRUCTION MEETING.
- CONTRACTOR SHALL NOT OPERATE EXISTING VALVES. CONTACT THE CITY'S PUBLIC WORKS DEPARTMENT TO REQUEST VALVE CHANGES AT 972-771-7730.

**GENERAL NOTES FOR EROSION CONTROL & STORMWATER**

- CONTRACTOR TO SUBMIT SWPPP TO CITY AND ENGINEER FOR REVIEW AND APPROVAL PRIOR TO BEGINNING CONSTRUCTION. ALL BMPS (SILT FENCE, INLET PROTECTION, ETC.) AND MATERIALS SHALL COMPLY WITH CITY STANDARDS AND NCTCOG 3RD EDITION SPECIFICATIONS AND DETAILS.
- WOODEN STAKES SHALL NOT BE USED TO INSTALL EROSION CONTROL MEASURES WITHIN CITY ROW.
- NO EQUIPMENT SHALL BE CLEANED ON-SITE, OR OTHER LIQUIDS DEPOSITED AND ALLOWED TO FLOW OVERLAND OR SUBTERRANEAN WITHIN THE LIMITS OF THE CRITICAL ROOT ZONE OF TREES THAT REMAIN ON SITE. THIS INCLUDES PAINT, OIL, SOLVENTS, ASPHALT, CONCRETE, CONCRETE EQUIPMENT WASH WATER, MORTAR OF SIMILAR MATERIALS.
- ASPHALT BAGS SHALL BE PLACED AT CONSTRUCTION ENTRANCES TO PREVENT CURB DAMAGE.
- GEOTEXTILE FABRIC SHALL BE PLACED ON SUBGRADE PRIOR TO STONE PLACEMENT FOR CONSTRUCTION ENTRANCES.

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<b>RECORD DRAWINGS</b>	1	12/17/14	RECORD DRAWINGS
ISSUE	DATE	DESCRIPTION	

DESIGNED BY:	DRAWN BY:
_____ E. MAGEE	_____ E. MAGEE
CHECKED BY:	DATE:
K. SHEPHERD	12/16/2014
JOB NUMBER:	004-002

**RECORD DRAWINGS**

THESE PLANS ARE A RECORD SET OF THE CONSTRUCTED PROJECT, AND REFLECT REVISIONS AND CONSTRUCTION-RELATED CHANGES AS MADE BY THE CONTRACTOR. CHANGES MADE FROM THE ORIGINAL CONSTRUCTION DOCUMENTS DO NOT DEPICT ENGINEERING AND ARE NOT THE RESPONSIBILITY OF VERDUNITY, INC. OR THE ENGINEER ON RECORD ON THE ORIGINAL DOCUMENTS. ORIGINAL PLANS RELEASED FOR CONSTRUCTION WERE SEALED BY KEVIN M. SHEPHERD, PE NO. 88642



**GLENN AVE.  
UTILITY  
REHABILITATION**

<b>GENERAL NOTES</b>		N.T.S.	SHEET <b>02</b>
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