

ADDENDUM NO. 1

TO THE DRAWINGS & THE PROJECT MANUAL:

LONGVIEW MULTIMODAL TRANSPORTATION CENTER
CITY OF LONGVIEW, TEXAS

PROJECT BID DATE (REVISED):

THURSDAY, SEPTEMBER 10, 2015, 2:00 P.M.

ADDENDUM DATE:

TUESDAY, SEPTEMBER 1, 2015.

For additional information regarding this project, contact
Travis Crafton, P.E. @ (903) 753-0663



NOTICE TO BIDDERS:

- A. This Addendum shall be considered part of the contract documents for the above-mentioned project as though it had been issued at the same time and incorporated integrally therewith. Where provisions of the following supplementary data differ from those of the original contract documents, this Addendum shall govern and take precedence.
- B. Bidders are hereby notified that they shall make any necessary adjustments in their estimate on account of this Addendum. It will be construed that each Bidder's proposal is submitted with full knowledge of all modifications and supplemental data specified herein. Acknowledge receipt of this addendum in the space provided on the proposal form. Failure to do so may subject Proposer to disqualification.

REFERENCE IS MADE TO THE DRAWINGS AND THE PROJECT MANUAL AS NOTED:

Addendum No.1, Item 1: To the Drawings;

Sheet C5.0 – Grading and Paving Plan: Replace sheet C5.0, dated 8-17-15, with the Revised Sheet C5.0 dated 8-27-15.

1. The call out for a 3'x3' Grate Inlet Top has been changed to call out for a 2'x2' Grate Inlet Top and the concrete apron has been removed. Specific grades are shown to corners of the concrete top and the grate.
2. An enlarged detail of above said grate/inlet has been provided along with Section A-A.
3. The concrete apron has been removed from the existing grate inlet that is to remain.

Addendum No.1, Item 2: To the Project Manual;

Replace Original Pages 1 and 2 of the Notice to Bidders marked Addendum No. 1:

1. Under the paragraph "BIDDERS ARE EXPECTED TO INSPECT.....", the wording shall be changed to state "Time of completion shall be 90 calendar days....." in lieu of 365 calendar days.

Addendum No.1, Item 3: To the Project Manual;

Replace Original Pages 2 through 7 with pages 2 through 7 marked Addendum No. 1:

1. **BID ITEM 8** Item has been changed to modify existing 7' Curb Inlet and Furnish and Install New Top with 2'x2' Neenah Grate (Grate Inlet).
2. **BID ITEM 9** Item has been removed/omitted.
3. **BID ITEM 26** Item has changed to reflect new quantity from 330 LF to the corrected 180 LF.
4. **BID ITEM 27** Item has been added. Modify Water Meter Box for Traffic Rated Lid and match flush with proposed pavement grades.
5. **BID ITEM 28** Item has been added. Modify Sanitary Sewer Manhole top to match flush with proposed pavement grades.

END OF ADDENDUM

NOTICE TO BIDDERS OF THE INTENTION OF THE CITY OF LONGVIEW, TEXAS TO LET BIDS FOR THE CONSTRUCTION OF LONGVIEW MULTIMODAL TRANSPORTATION CENTER

SEALED PROPOSALS addressed to Rolin McPhee, P.E., Director of Public Works, City of Longview, Texas, Public Works Service Center, 933 Mobile Drive, Longview, Texas 75604, will be received until **2:00 P.M., THURSDAY, SEPTEMBER 10, 2015**, for furnishing all labor, materials, equipment, supplies, and supervision necessary for the construction of **Longview Multimodal Transportation Center**, in accordance with the plans and specifications on file at Johnson & Pace Incorporated. At the time stated, bids will be opened and publicly read at the City of Longview, Texas, Public Works Service Center, 933 Mobile Drive, Longview, Texas 75604.

PLANS AND SPECIFICATIONS may be examined without charge or obtained for a purchase price of **\$75.00** per set at the office of Johnson & Pace Incorporated, 1201 NW Loop 281, Suite 100, Longview, Texas, 75604. Refunds will be made for undamaged sets returned by actual project bidders at the bid opening, after which time no refunds will be made.

ALL BID PROPOSALS submitted should be marked clearly on the outside of the sealed envelope with the project name and bid opening time and date.

PRE BID MEETING will be held on **TUESDAY, SEPTEMBER 1, 2015, AT 2:00 P.M.**, in the Public Works Training Room at the Public Works Service Center, 933 Mobile Drive, Longview, Texas 75604..

A **CERTIFIED OR CASHIER'S CHECK**, or an acceptable bid bond in an amount not less than five percent (5%) of the base bid shall accompany each bid as a guaranty that, if awarded the contract, the bidder will promptly enter into contract with the City of Longview, Texas and furnish bonds on the forms provided.

THE SUCCESSFUL BIDDER OR BIDDERS will be required to furnish a Performance Bond, Payment Bond, and Maintenance Bond, in the amount of the contract, written by a responsible surety company authorized to do business in the State of Texas, and satisfactory to the Owner as required by Article 5160 V.A.T.C.S.

BIDDERS ARE EXPECTED TO INSPECT the site of the work and to inform themselves of all local conditions. Time of completion shall be **90** calendar days, including Saturdays, Sundays, and legal holidays.

NO BID may be withdrawn after the scheduled closing time for receipt of bids for at least 90 calendar days.

IN CASE of ambiguity or lack of clearness stating the price in the bids, the Owner reserves the right to consider the most advantageous construction thereof or to reject the bid. The Owner reserves the

right to reject any or all bids, waive any or all informalities, and to award the contract to the bidder or bidders who, in the opinion of the Owner, offers the proposal to the best interest of same.

EEO/M/F/V/H/D

**ROLIN McPHEE, P. E.
DIRECTOR OF PUBLIC WORKS
CITY OF LONGVIEW, TEXAS**

PROPOSAL

**CITY OF LONGVIEW
PUBLIC WORKS SERVICE CENTER
933 MOBILE DRIVE
LONGVIEW, TX 75604
LONGVIEW MULTIMODAL TRANSPORTATION CENTER
2:00 P.M., THURSDAY, SEPTEMBER 10, 2015**

Proposal of _____, (hereinafter called "Bidder"), a corporation, organized and existing under the laws of the State of _____ a partnership, or an individual doing business as _____ (strike out inapplicable terms).

TO THE CITY OF LONGVIEW, TEXAS (OWNER):

The undersigned bidder, in response to the Notice to Bidders for the construction of the above project and in conformance with the Information for Bidders; having examined the plans, specifications, related documents and the site of the proposed work; being familiar with all of the conditions relating to the construction of the proposed project, including the availability of materials and labor; hereby proposes to furnish all labor, materials, supplies, equipment, and superintendence necessary for the construction of the project in accordance with the plans, specifications, and contract documents at the unit prices proposed herein.

The undersigned Bidder proposes, acknowledges, and agrees to construct the entire project as shown on the plans, fully in accordance with the requirements of the plans, specifications, and contract documents for the prices included in this Proposal and fully understands and agrees that the various items of material, labor, and construction not specifically enumerated and provided for herein are considered subsidiary to the several items for which this direct payment is specifically provided. Furthermore, the undersigned agrees that one such subsidiary item is the protection, maintenance, repair, or replacement of all underground lines and services, whether shown on the plans or not, all to the full satisfaction of the Engineer and in a timely manner.

SCHEDULE OF RATES AND PRICES
LONGVIEW MULTIMODAL TRANSPORTATION CENTER

Full compensation for compliance with Each and every provision of the Proposal and Bid, the Specifications, and the Contract will be considered as included in the unit prices for the work set forth below, and no separate payment will be made for the compliance with Each and every provision of the Proposal and Bid, the Specifications, and the Contract, unless separate payment is expressly provided for therein.

GENERAL & MISCELLANEOUS ITEMS					
ITEM	QTY	UNIT	BID ITEM DESCRIPTION WITH UNIT PRICES IN WORDS	UNIT PRICE	TOTAL PRICE
1	1	LS	Miscellaneous Construction Allowance per plans and specifications at a unit price of: _____ dollars & _____ cents	\$5,000.00	\$5,000.00
2	1	LS	Mobilization, Bonds, and Insurance per plans and specifications at a unit price of: _____ dollars & _____ cents	\$ _____	\$ _____
3	1	LS	Barricades, Signs, and Traffic Handling per plans and specifications at a unit price of: _____ dollars & _____ cents	\$ _____	\$ _____
4	1	LS	Construction Staking per plans and specifications at a unit price of: _____ dollars & _____ cents	\$ _____	\$ _____
SUB TOTAL				\$ _____	\$ _____

DEMOLITION ITEMS						
ITEM	QTY	UNIT	BID ITEM DESCRIPTION WITH UNIT PRICES IN WORDS	UNIT PRICE	TOTAL PRICE	
5	110	LF	Sawcut and Remove Curb and Gutter at New Drive Entrance at Moberly Ave. per plans and specifications at a unit price of:	dollars & cents	\$ _____	\$ _____
6	61	SY	Sawcut and Remove Concrete for Island Curb Construction at North tie-in per plans and specifications at a unit price of:	dollars & cents	\$ _____	\$ _____
7	2	EACH	Reconstruct 7' Curb/Grate Inlet Top to a Solid Cover (Junction Box) per plans and specifications at a unit price of:	dollars & cents	\$ _____	\$ _____
8 (A1)	1	EACH	Modify existing 7' Curb Inlet and F&I New Top with 2'x2' Neenah Grate (Grate Inlet) per plans and specifications at a unit price of:	dollars & cents	\$ _____	\$ _____
9 (A1)	0	EACH	BID ITEM NOT USED			
10	27	LF	Remove Chainlink Fence and Stockpile On-Site per plans and specifications at a unit price of:	dollars & cents	\$ _____	\$ _____
				SUB TOTAL	\$ _____	\$ _____

EARTHWORK ITEMS					
ITEM	QTY	UNIT	BID ITEM DESCRIPTION WITH UNIT PRICES IN WORDS	UNIT PRICE	TOTAL PRICE
11	1	LS	Erosion and Sedimentation Control per plans and specifications at a unit price of: _____	\$ _____	\$ _____
12	1,250	CY	Cut/Fill/Compact Using On-Site Material per plans and specifications at a unit price of: _____	\$ _____	\$ _____
SUB TOTAL				\$ _____	\$ _____

STORM SEWER ITEMS					
ITEM	QTY	UNIT	BID ITEM DESCRIPTION WITH UNIT PRICES IN WORDS	UNIT PRICE	TOTAL PRICE
13	1	EACH	Tie-in to Existing Inlet per plans and specifications at a unit price of: _____	\$ _____	\$ _____
14	1	EACH	F&I 15' curb inlet per plans and specifications at a unit price of: _____	\$ _____	\$ _____
15	53	LF	F&I 24" Diameter HDPE (includes trench safety per OSHA) per plans and specifications at a unit price of: _____	\$ _____	\$ _____
SUB TOTAL				\$ _____	\$ _____

PAVING ITEMS					
ITEM	QTY	UNIT	BID ITEM DESCRIPTION WITH UNIT PRICES IN WORDS	UNIT PRICE	TOTAL PRICE
16	1921	SY	8" Depth Subgrade Preparation (Scarify and Compact to 95% Standard) per plans and specifications at a unit price of:	dollars & cents \$ _____	\$ _____
17	1921	SY	F&I Cement for 8" Stabilization (30 lbs/SY) per plans and specifications at a unit price of:	dollars & cents \$ _____	\$ _____
18	1599	SY	8" Thick Concrete Paving per plans and specifications at a unit price of:	dollars & cents \$ _____	\$ _____
19	129	LF	F&I 24" Curb and Gutter per plans and specifications per plans and specifications at a unit price of:	dollars & cents \$ _____	\$ _____
20	1120	LF	F&I 6" Tall Curb per plan and specifications per plans and specifications at a unit price of:	dollars & cents \$ _____	\$ _____
21	78	LF	F&I 4" Tall Spill Curb per plan and specifications per plans and specifications at a unit price of:	dollars & cents \$ _____	\$ _____
22	5	EACH	F&I Flow Arrow Marking per plans and specifications at a unit price of:	dollars & cents \$ _____	\$ _____
23	38	SY	F&I 4" Thick Concrete Sidewalk per plans and specifications at a unit price of:	dollars & cents \$ _____	\$ _____
SUB TOTAL				\$ _____	\$ _____

SITE STABILIZATION					
ITEM	QTY	UNIT	BID ITEM DESCRIPTION WITH UNIT PRICES IN WORDS	UNIT PRICE	TOTAL PRICE
24	305	CY	Offsite Import of Topsoil and 4" (Min.) Placement per plans and specifications at a unit price of: _____ dollars & cents	\$ _____	\$ _____
25	2,367	SY	Seed and Fertilize Disturbed Areas per plans and specifications at a unit price of: _____ dollars & cents	\$ _____	\$ _____
SUB TOTAL				\$ _____	\$ _____

MISCELLANEOUS					
ITEM	QTY	UNIT	BID ITEM DESCRIPTION WITH UNIT PRICES IN WORDS	UNIT PRICE	TOTAL PRICE
26 (A1)	180	LF	F&I 3" Diameter Schedule 40 PVC Sleeving Conduit for Irrigation to Landscape Islands per plans and specifications at a unit price of: _____ dollars & cents	\$ _____	\$ _____
27 (A1)	1	LS	Modify Water Meter Box for Traffic Rated Lid and match flush with proposed pavement grades per plans and specifications at a unit price of: _____ dollars & cents	\$ _____	\$ _____
28 (A1)	1	LS	Modify Sanitary Sewer Manhole top to match flush with Proposed pavement grades per plans and specifications at a unit price of: _____ dollars & cents	\$ _____	\$ _____
BASE BID TOTAL				\$ _____	\$ _____

Contractor Signature _____ Company Name _____ Date _____

ADD ALTERNATE ITEM #1					
ITEM	QTY	UNIT	BID ITEM DESCRIPTION WITH UNIT PRICES IN WORDS	UNIT PRICE	TOTAL PRICE
1	84	SY	F&I 4" Thick Concrete Sidewalk along Moberly Ave. per plans and specifications at a unit price of:	\$ _____	\$ _____
2	160	LF	F&I 24" Curb and Gutter along Moberly Ave. per plans and specifications at a unit price of:	\$ _____	\$ _____
TOTAL				\$ _____	\$ _____

ADD ALTERNATE ITEM #2					
ITEM	QTY	UNIT	BID ITEM DESCRIPTION WITH UNIT PRICES IN WORDS	UNIT PRICE	TOTAL PRICE
1	168	SY	F&I 4" Thick Concrete Sidewalk along New Concrete Drive (North and West Sides) per plans and specifications at a unit price of:	\$ _____	\$ _____
TOTAL				\$ _____	\$ _____

ALTERNATE CONCRETE PAVEMENT SECTION (REPLACES ITEM #18 FROM BASE BID)					
ITEM	QTY	UNIT	BID ITEM DESCRIPTION WITH UNIT PRICES IN WORDS	UNIT PRICE	TOTAL PRICE
1	1599	SY	9" Thick Concrete Paving per plans and specifications at a unit price of:	\$ _____	\$ _____
TOTAL				\$ _____	\$ _____

PROPOSAL: LONGVIEW MULTIMODAL TRANSPORTATION CENTER

The undersigned Bidder hereby agrees to begin work under the contract on or before the date to be specified in the written Notice to Proceed and to fully complete the project within **90** consecutive calendar days. The undersigned Bidder further agrees to pay, as liquidated damages, the sum of **\$470.00** for each consecutive calendar day thereafter as provided in Item 7 of the Information for Bidders.

The undersigned Bidder has contacted, within 72 hours prior to this bid opening, the office of the _____ and has determined that all Addenda are as follows:

Addendum No. 1, dated _____; _____

Addendum No. 2, dated _____; _____

The undersigned Bidder acknowledges and agrees that this Proposal shall be good and may not be withdrawn for a period of 90 calendar days from the date of this bid opening.

The undersigned Bidder is obligated to and shall show accurate unit prices as well as total amounts, and agrees that in the case of ambiguity between unit prices and total amounts or in the case of any other ambiguity the Owner may interpret an ambiguity in a manner most advantageous to the Owner or reject the bid.

The undersigned Bidder further acknowledges and agrees that a bid that has been opened may not be changed for the purpose of correcting an error in the final bid price.

The undersigned Bidder agrees to execute the Contract Agreement and furnish the required Performance Bond, Payment Bond, and Maintenance Bond within 15 calendar days from the date of acceptance of the Proposal.

The undersigned Bidder has attached and made a part of this Proposal a bid security in conformance with Item 5 of the Information for Bidders.

Submitted by:

(Signature) (Firm)

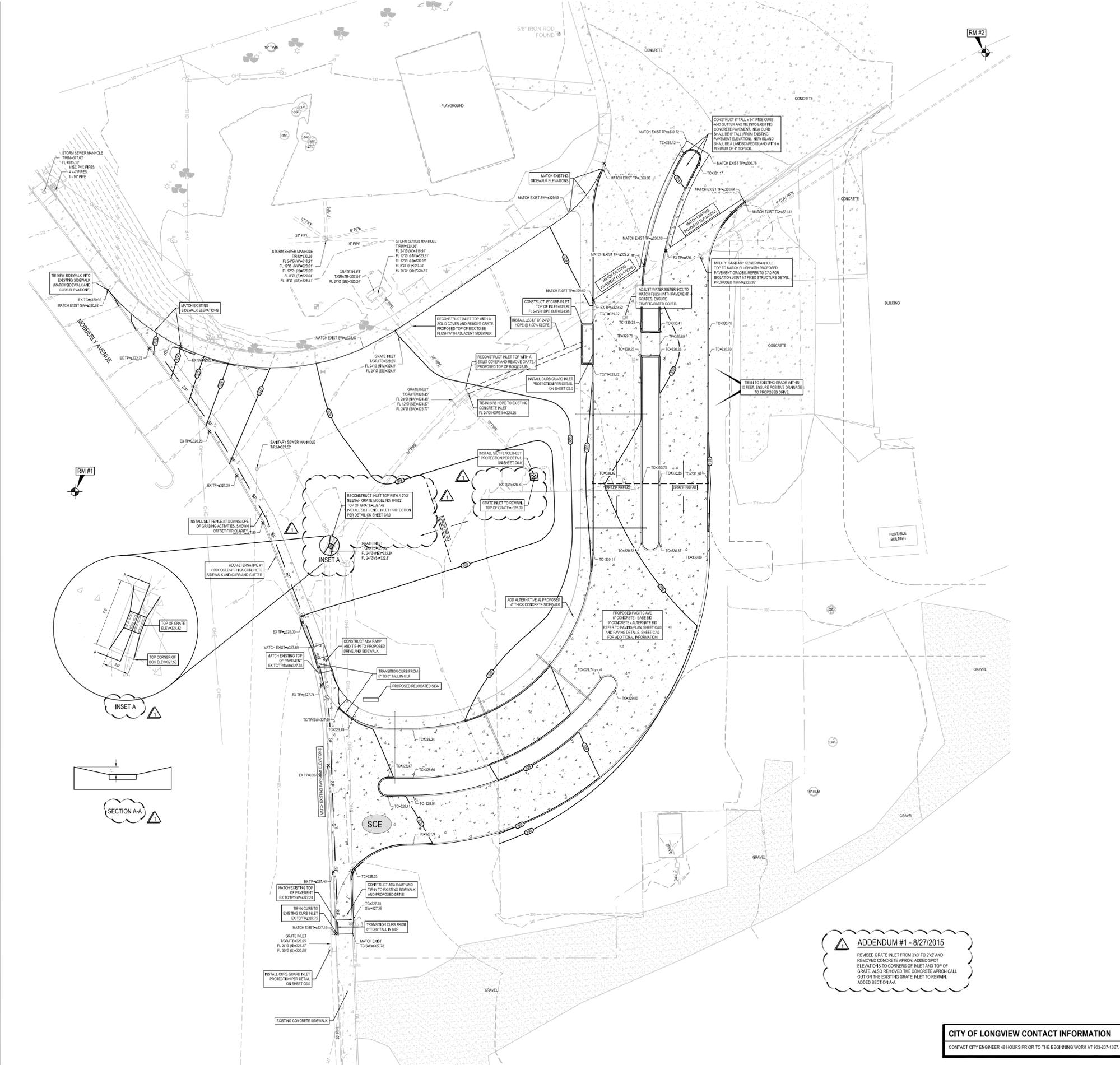
(Name - Typed or Printed) (Address)

(Title) (City, County, State, Zip Code)

Attest - Date) (Area Code-Telephone Number)

(Corporation Seal) (Fax Number)

Johnson & Paced Incorporated, 1201 NW Loop 281, Suite 100, Irving, TX 75039-5463, Fax (972) 953-9800, www.johnsonandpaced.com



811
Know what's below.
Call before you dig.

0 10' 20' 40'
1"=20'

LEGEND

TC	TOP OF CURB
TP	TOP OF PAVEMENT
TW	TOP OF WALL
TI	TOP OF INLET
TG	TOP OF GRATE
SW	SIDEWALK
FG	FRESHENED GRADE
TC=340.38	PROPOSED SPOT ELEVATION
---	EXISTING CONTOUR
---	PROPOSED CONTOUR
SCE	STABILIZED CONSTRUCTION ENTRANCE
SF	APPROXIMATE LOCATION OF SILT FENCE
---	PARCEL LINE (PROPERTY BOUNDARY NOT FIELD VERIFIED)

REFERENCE MARKERS

IF THE CONTRACTOR RELOCATES REFERENCE MARKERS WITH A NEW REFERENCE MARKER, IT SHALL BE LOCATED WITHIN A HORIZONTAL AND VERTICAL TOLERANCE OF 0.10'

RM #1	X IN CONCRETE	NORTHING: 686292.51	EASTING: 131014.38	ELEVATION: 329.26
RM #2	X IN CONCRETE	NORTHING: 686276.48	EASTING: 131117.81	ELEVATION: 331.13

****CAUTION** - NOTICE TO CONTRACTOR**

THE CONTRACTOR IS PUT ON NOTICE THAT THERE MAY BE NUMEROUS UNDERGROUND UTILITIES IN THE LINE OF WORK, SUCH AS WATER, SEWER, GAS, PIPELINE, TELEPHONE AND ELECTRIC. SOME MAY BE ABANDONED WHILE MANY ARE ACTIVE. EXISTING UTILITIES SHOWN ON THESE PLANS REPRESENT A JOINT EFFORT TO SHOW THEIR approximate LOCATION.

THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN CONDUCTING EXCAVATION OPERATIONS. DAMAGES SHALL BE REPAIRED IMMEDIATELY AT CONTRACTOR'S EXPENSE.

THE CONTRACTOR MUST CONTACT THE APPROPRIATE UTILITY COMPANY AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST FIELD LOCATION OF UTILITIES.

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS EXACT OR CORRECT. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENT SHOWN ON THE PLANS.

****TEXAS ONE CALL SYSTEM****

AS REQUIRED BY THE TEXAS UNDERGROUND FACILITY DAMAGE PREVENTION AND SAFETY ACT, TEXAS ONE CALL SYSTEM MUST BE CONTACTED (800-245-4445) AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION OPERATIONS PERFORMED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT TEXAS ONE CALL SYSTEM.

INSPECTIONS/CERTIFICATIONS NOTE

ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY LOCAL CODES AND/OR UTILITY SERVICE COMPANIES SHALL BE PERFORMED PRIOR TO SUBSTANTIAL PROJECT COMPLETION.

PERMITS NOTE

CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS REQUIRED BY FEDERAL, STATE, OR LOCAL CODES AND/OR UTILITY SERVICE COMPANIES PRIOR TO START OF CONSTRUCTION.

TRAFFIC CONTROL NOTE

GUIDELINES SET FORTH IN PART 11 STANDARDS AND GUIDES FOR TRAFFIC CONTROLS FOR STREET AND HIGHWAY CONSTRUCTION, MAINTENANCE, UTILITY, AND INCIDENT MANAGEMENT (SECTION 11 OF THE TEXAS MANUAL ON HIGHWAY TRAFFIC CONTROL DEVICES) MUST BE OBSERVED AS REVISED SHALL BE OBSERVED.

TOPOGRAPHIC SURVEY NOTE

EXISTING TOPOGRAPHIC INFORMATION SHOWN ON THESE PLANS WAS PREPARED BY JOHNSON & PACED INCORPORATED. IF CONTRACTOR DOES NOT ACCEPT EXISTING TOPOGRAPHY AS SHOWN ON THE PLANS, WITHOUT EXCEPTION, HE SHALL HAVE MADE, AT HIS EXPENSE, A TOPOGRAPHIC SURVEY BY A REGISTERED AND SURVIVOR AND SUBMIT IT TO THE OWNER FOR REVIEW. THE ENGINEER'S SEAL ON THESE PLANS DOES NOT APPLY TO THE PROPERTY BOUNDARY INFORMATION SHOWN HEREON.

SEEDING AND MULCHING NOTE

CONTRACTOR SHALL SEED AND MULCH ALL DISTURBED AREAS WITHIN THE SUBJECT BOUNDARY NOT FENCED OR OTHERWISE COVERED. PER THE SPECIFICATIONS, ALL AREAS RESTORED OUTSIDE THE PROPERTY BOUNDARY SHALL ALSO BE SEEDING AND MULCHED AND COVER SHALL BE ESTABLISHED TO PREVENT EROSION. CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY WATERING UNTIL A HEALTHY STAND OF GRASS IS ESTABLISHED.

EMERGENCY ACCESS NOTE

HARD SURFACE FOR EMERGENCY ACCESS SHALL BE CONSTRUCTED ALONG "FIRE LANE" ROUTE PRIOR TO ERECTING BUILDING STRUCTURE. FIRE LANES WILL REMAIN CLEAR DURING CONSTRUCTION.

CITY OF LONGVIEW MAINTENANCE BOND

THE CITY OF LONGVIEW REQUIRES A MAINTENANCE BOND FOR A PERIOD OF ONE (1) YEAR WHEN THE PROJECT IS COMPLETED. THE BOND AMOUNT WILL BE BASED ON 20% OF THE ENGINEER'S OPINION OF COST OR SIGNED CONTRACT.

CITY OF LONGVIEW RECORD DRAWINGS NOTE

THE CITY OF LONGVIEW REQUIRES RECORD DRAWINGS TO BE SUBMITTED WITHIN THIRTY (30) DAYS OF THE COMPLETION OF THE CONSTRUCTION PROJECT. PLEASE INCORPORATE ALL INSPECTOR'S TESTS AND NOTES IN YOUR RECORD DRAWINGS. THE INSPECTOR'S COPY SHALL BE RETURNED WITH THE RECORD DRAWINGS. RECORD DRAWINGS WILL CONSIST OF (1) COMPLETE SET OF 24X36 BLACK LINE PAPER COPY AND (2) COMPLETE SET DIGITAL COPY IN AUTOCAD FORMAT. ALL CONSTRUCTION PLAN SHEETS ARE REQUIRED FOR THE RECORD DRAWINGS.

GENERAL GRADING NOTES

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF DUST AND DIRT RISING AND SCATTERING IN THE AIR DURING CONSTRUCTION AND SHALL PROVIDE WATER SPRINKLING OR OTHER SUITABLE METHOD OF CONTROL. THE CONTRACTOR SHALL COMPLY WITH ALL GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.
- ALL CUT OR FILL SLOPES SHALL BE 4:1 MAXIMUM UNLESS OTHERWISE NOTED.
- ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED SMOOTH AND 4 INCHES OF TOPSOIL APPLIED IF ADEQUATE TOPSOIL IS NOT AVAILABLE ON SITE. THE CONTRACTOR SHALL PROVIDE TOPSOIL APPROVED BY THE OWNER, AS NEEDED. THE AREAS SHALL THEN BE SOODED, WATERED AND MAINTAINED UNTIL HARDY GRASS GROWTH IS ESTABLISHED IN ALL AREAS. CONTRACTOR SHALL APPLY STABILIZATION FABRIC TO ALL SLOPES, 3:1 OR STEEPER, AND ANY AREAS RESTORED FOR ANY REASON PRIOR TO FINAL ACCEPTANCE OF THE JOB SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- EXISTING GRADE CONTOUR INTERVAL SHOWN AT 1 FOOT.
- PROPOSED GRADE CONTOUR INTERVAL SHOWN AT 1 FOOT.
- CONTRACTOR SHALL ADJUST GRASSES ADJACENT TO EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE.

PAVEMENT SUBGRADE PREPARATION

PER THE GEOTECHNICAL ENGINEERING REPORT BY ALLIANCE GEOTECHNICAL GROUP, INC. DATED AUGUST 5TH, 2015, EARTHWORK CONSTRUCTION AND PAVEMENT SUBGRADE PREPARATION PROCEDURES ARE RECOMMENDED AS FOLLOWS:

- REMOVE AND WASTE ANY SURFACE VEGETATION, ORGANIC TOPSOIL, LOOSE ORGANICS, DEBRIS, AND ANY UNDESIRABLE MATERIALS FROM THE CONSTRUCTION AREA. ALL TREE STUMPS AND ASSOCIATED ROOTS, IF APPLICABLE, SHALL BE COMPLETELY REMOVED TO DEPTHS OF AT LEAST FOUR (4) FEET BELOW EXISTING GRADE PRIOR TO FILL PLACEMENT OR FOUR (4) FEET BELOW FINAL GRADE, WHICHEVER IS DEEPER. TREE STUMPS AND ROOTS SHALL BE FILLED IN COMPACTED LIFTS IN ACCORDANCE WITH ITEM 3, BELOW. USABLE TOPSOIL SHALL BE STOCKPILED FOR LATER USE AND PROTECTED. ALL PAVEMENT AND FILL AREAS SHALL BE PROFFERED PRIOR TO FILL PLACEMENT TO DETECT ANY AREAS OF WEAKNESS. IN CUT AREAS THE SOIL SHALL BE CUT TO PROPER GRADE PRIOR TO PROFFERING. PROFFERING SHALL BE PERFORMED IN ACCORDANCE WITH TEXAS DEPARTMENT OF TRANSPORTATION (TxDOT) STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MAINTENANCE OF HIGHWAYS, STREETS, AND BRIDGES, 2014 EDITION, ITEM 3, PROFFERING. THE PROFFERING OPERATIONS SHALL BE OBSERVED BY AN EXPERIENCED ALLIANCE GEOTECHNICAL GROUP, INC. ENGINEER OR GEOTECHNICIAN TO VERIFY THAT FIRM NON-HELDING SUBGRADE SOILS ARE PRESENT. ANY SOFT OR COMPRESSIBLE AREAS DETECTED DURING PROFFERING SHALL BE UNDERCUT UNTIL FIRM SUBGRADE IS EXPOSED. LOW AREAS RESULTING FROM UNDERCUTTING SHALL BE FILLED IN COMPACTED LIFTS IN ACCORDANCE WITH ITEM 3, BELOW.
- IN FILL AREAS, SCARY THE EXPOSED SUBGRADE (AFTER PROFFERING) TO A MINIMUM DEPTH OF EIGHT (8) INCHES. ADJUST THE MOISTURE CONTENT AND RECOMPACT TO WITHIN THE LIMITS INDICATED BELOW. SANDY SOILS HAVING A PLASTICITY INDEX (PI) OF 15 OR LESS SHALL BE COMPACTED TO A MINIMUM OF 95% OF THE MAXIMUM DENSITY DEFINED BY ASTM D-698 (STANDARD PROCTOR). AT A MOISTURE CONTENT WITHIN THREE PERCENTAGE POINTS OF THE OPTIMUM MOISTURE VALUE. SANDY CLAY SOILS HAVING A PLASTICITY INDEX (PI) BETWEEN 16 AND 25 SHALL BE COMPACTED TO A MINIMUM OF 90% OF THE MAXIMUM DENSITY DEFINED BY ASTM D-698 (STANDARD PROCTOR) AT A MOISTURE CONTENT RANGING FROM ONE PERCENT BELOW TO FOUR PERCENT ABOVE THE OPTIMUM MOISTURE VALUE (1% TO +4%). CLAY SOILS HAVING A PLASTICITY INDEX OF 26 OR MORE SHALL BE COMPACTED TO BETWEEN 90% AND 100% OF THE MAXIMUM DENSITY DEFINED BY ASTM D-698 (STANDARD PROCTOR) AT A MOISTURE CONTENT RANGING FROM ONE (1) PERCENT ABOVE TO THREE PERCENT ABOVE THE OPTIMUM MOISTURE VALUE (+1% TO +3%). WHERE FILL IS REQUIRED TO ACHIEVE THE DESIRED GRADES, SUCH MATERIAL MAY CONSIST OF GRANULAR SOILS, OR THEIR APPROVED OFF SITE EQUIVALENT. ALL OFF-SITE FILL SOILS SHALL BE FREE OF ORGANIC MATTER, OR ROCK FRAGMENTS LARGER THAN TWO (2) INCHES IN ANY DIMENSION, AND POSSESSING A PLASTICITY INDEX (PI) BETWEEN 4 AND 25, WITH A LIQUID LIMIT OF 40 OR LESS. USE OF ROCK FRAGMENTS AND/OR SOIL CLODS GREATER THAN TWO (2) INCHES IN ANY DIMENSION SHALL BE PROHIBITED. ALL FILL SHALL BE PLACED IN PROPERLY BENCHMARKED HORIZONTAL LIFTS NOT EXCEEDING EIGHT (8) INCHES IN THICKNESS AND COMPACTED IN ACCORDANCE WITH THE MOISTURE CONTENT AND DENSITY REQUIREMENTS INDICATED ABOVE. THE FIRST LIFT OF FILL SHALL BE PLACED WITHIN 48 HOURS OF SATISFACTORY COMPACTION OF THE UNDERLYING SUBGRADE SOILS. LIKEWISE, SUBSEQUENT LIFTS OF FILL SHALL BE PLACED AND COMPACTED WITHIN 48 HOURS OF SATISFACTORY COMPACTION OF THE PREVIOUS LIFT OF FILL.
- IF SHALLOW FILLS ARE REQUIRED ALONG SLOPES, THE SLOPES SHALL BE PROPERLY BENCHMARKED PRIOR TO FILL PLACEMENT TO ALLOW PLACEMENT OF FILL SOILS IN HORIZONTAL COMPACTED LIFTS. HORIZONTAL BENCHMARKS MUST BE SUFFICIENTLY WIDE TO ACCOMMODATE BOTH THE CONSTRUCTION EQUIPMENT AND TO ALLOW FOR THE RELATED PLACEMENT AND COMPACTION OPERATIONS. PLACEMENT OF FILL SOILS IN SLOPED LIFTS SHALL NOT BE ALLOWED. REGARDLESS OF FILL DEPTHS, WHERE CUTS ARE REQUIRED ALONG EXISTING SLOPES, THE SLOPES SHALL BE COMPACTED AFTER EXCAVATION TO FINAL GRADE TO TIGHTEN THE SURFICIAL SOILS LOOSED DURING EXCAVATION OPERATIONS.
- DURING CONSTRUCTION, THE SUBGRADE SOILS SHALL BE INSPECTED BY AN ALLIANCE GEOTECHNICAL GROUP, INC. GEOTECHNICAL ENGINEER TO DELINEATE AREAS REQUIRING EXCAVATION/MECHANICAL REWORKING AT THE TIME OF CONSTRUCTION. IF CLAY SUBGRADE SOILS ARE EXPOSED AT SUBGRADE ELEVATION, AND ARE ALLOWED TO BECOME EXPOSED DURING CONSTRUCTION, EXCAVATION/MECHANICAL REWORKING OF THE ON-SITE CLAYS IN MOISTURE AND DENSITY CONTROLLED LIFTS SHALL BE UTILIZED TO MINIMIZE POTENTIAL UPWARD PAVEMENT MOVEMENTS. THE UPPER 12 INCHES OF SUBGRADE SHALL BE EXCAVATED AND STOCKPILED ON-SITE. EXCAVATION SHALL EXTEND A MINIMUM OF FIVE (5) FEET BEYOND THE LIMITS OF PAVEMENT SECTION. THE UNDERLYING CLAY SUBGRADE SOILS SHALL THEN BE SCARIFIED TO A MINIMUM DEPTH OF EIGHT (8) INCHES. THE MOISTURE CONTENT ADJUSTED AND THE SUBGRADE RECOMPACTED IN ACCORDANCE WITH ITEM 3, ABOVE. SUBSEQUENT FILL PLACEMENT SHALL BE PERFORMED IN MAXIMUM SIX (6) INCH LIFTS IN ACCORDANCE WITH THE MOISTURE CONTENT AND DENSITY REQUIREMENTS INDICATED ABOVE IN ITEM 3. THE FIRST LIFT, AS WELL AS SUBSEQUENT LIFTS OF FILL SHALL BE PLACED WITHIN 48 HOURS OF SATISFACTORY COMPACTION OF THE UNDERLYING SUBGRADE SOILS. A PULVERIZING ROTARY MIXER SHALL BE USED TO ACHIEVE A RELATIVELY UNIFORM MOISTURE CONTENT WITHIN EACH LIFT OF CLAY FILL, AS SPECIFIED ABOVE, PRIOR TO COMPACTION OF EACH LIFT.
- THE UPPER EIGHT (8) INCHES OF THE SUBGRADE IN ALL PAVEMENT AREAS SHALL BE CEMENT TREATED IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF ITEM 275 TO THE TEXAS DEPARTMENT OF TRANSPORTATION (TxDOT) STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MAINTENANCE OF HIGHWAYS, STREETS AND BRIDGES, 2014 EDITION. A MINIMUM OF FOUR PERCENT (4%) TYPE 1, TYPE II, OR TYPE III PORTLAND CEMENT (MINIMUM 30 POUNDS/SQUARE YARD FOR AN EIGHT (8) INCH TREATMENT DEPTH) SHALL BE USED IN ALL PAVEMENT AREAS AS OUTLINED IN SECTION 8. CEMENT TREATMENT OF PAVEMENT SUBGRADE SOILS. IT SHALL BE NOTED THAT ADDITIONAL MIXING AND/OR ADDITIONAL CEMENT MAY BE REQUIRED WHERE LOW PLASTICITY SUBGRADE SOILS (HAVING A PLASTICITY INDEX (PI) OF 15 OR LESS) ARE PRESENT IN ORDER TO ACHIEVE THE SPECIFIED PULVERIZATION (FIELD GRADATION) REQUIREMENTS WITHIN TWO (2) HOURS OF THE APPLICATION OF CEMENT AS SPECIFIED IN ITEM 275 OF THE TxDOT SPECIFICATIONS REFERENCED BELOW.
- VERIFY COMPACTION OF PAVEMENT FILL AND/OR TREATED SUBGRADE BY INPLACE (NUCLEAR DENSITY TESTS (ASTM D698)) AT THE RATE OF AT LEAST ONE TEST PER 1,000 SQUARE YARDS FOR EACH LIFT OR A MINIMUM OF THREE (3) TESTS PER CONSTRUCTION AREA FOR EACH LIFT, WHICHEVER IS GREATER.

REVISIONS

NO.	DESCRIPTION	BY	DATE

STORM SEWER NOTES

- PRECAST STRUCTURES MAY BE USED AT CONTRACTOR'S OPTION.
- EXISTING DRAINAGE STRUCTURES TO REMAIN ON SITE SHALL BE INSPECTED AND REPAIRED AS NEEDED. EXISTING PIPES SHALL BE CLEANED TO REMOVE ALL SEDIMENT AND DEBRIS PRIOR TO PROJECT COMPLETION.
- ALL STORM PIPE ENTRANCES STRUCTURES SHALL BE GROUTED WITH NON-SHRINK GROUT TO ASSURE CONNECTION AT STRUCTURE IS WATER TIGHT.
- ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH PAVEMENT AND SHALL HAVE A TRAFFIC GRADE RING & COVER. MANHOLE COVERS IN UNPAVED AREAS SHALL BE ABOVE FINISH GRADE UNLESS OTHERWISE NOTED. COVERS SHALL BE LABELED "STORM SEWER".
- ALL STORM STRUCTURES SHALL HAVE A SMOOTH UNIFORM POURED MORTAR FROM INLET TO INVERT OUT.
- CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING STORM SEWER STRUCTURES, PIPE, AND ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER OF RECORD IF CONFLICT IS DISCOVERED.
- CONTRACTOR SHALL UTILIZE PREFABRICATED BEND, OR RADIUS PIPE TO ACCOUNT FOR DEFLECTION IN STORM SEWER PIPE WHERE SHOWN HEREON.
- ALL STORM MANHOLES SHALL BE OPEN TO EXISTING WALL OF BOX.
- CONTRACTOR SHALL ADHERE TO OSHA RULES AND REGULATIONS REGARDING TRENCH SAFETY. ANY COSTS ASSOCIATED WITH TRENCH SAFETY ARE CONSIDERED SUBSIDIARY TO STORM SEWER PIPE INSTALLATION. NO EXTRA PAY FOR TRENCH SAFETY.

JOHNSON & PACED INCORPORATED
ENGINEERS - ARCHITECTS - SURVEYORS

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TRAVIS CRAFTON
REGISTERED PROFESSIONAL ENGINEER
NO. 054163

LONGVIEW MULTIMODAL TRANSPORTATION CENTER
LONGVIEW, TX

GRADING AND DRAINAGE PLAN

ISSUED FOR BIDDING

DATE: 07/15/2015
SCALE: 1"=20'
REVISIONS: 1

NO. 2002-051
DRAWN BY: K.K.S.
CHECKED BY: P.P.A.
DATE: 07/15/2015

C5.0

ADDENDUM #1 - 8/27/2015

REVISED GRATE INLET FROM 2'x2' TO 2'x2' AND REMOVED CONCRETE APRON. ADDED SPOT ELEVATIONS TO CORNERS OF INLET AND TOP OF GRATE. ALSO REMOVED THE CONCRETE APRON CALL OUT ON THE EXISTING GRATE INLET TO REMAIN. ADDED SECTION A-A.

CITY OF LONGVIEW CONTACT INFORMATION

CONTACT CITY ENGINEER 48 HOURS PRIOR TO THE BEGINNING WORK AT 903-237-1067.