



ISO 9001:2015 CERTIFIED

ENGINEERS • PLANNERS • SCIENTISTS • CONSTRUCTION MANAGERS

2806 W. Bitters Road, Suite 218 • San Antonio, Texas 78248 • Phone (210) 641-9999

ADDENDUM #1

February 14, 2024
KCI No. E0670600

PROJECT: Paving Upgrades at Clarence Galm ES

The following addenda are issued to change, amplify, or further explain the plans and specifications and shall therefore take precedence over the original contract documents in the event of conflict:

FRONT END DOCUMENTS:

- Item No.1 – Item #34 “Furnish & Install (1) 12” Flexible Base (SY)” has been added to the unit price list in accordance with Geotechnical Engineering Study Job No. 2024-06 by Arias.
- Item No.2 – Item #35 “Furnish & Install (1) 3” Type D Hot Mix (SY)” has been added to the unit price list in accordance with Geotechnical Engineering Study Job No. 2024-06 by Arias.
- Item No.3 – Item #12 “Furnish & Install (1) 7” Concrete Pavement (SY)” has been revised from “Furnish & Install (1) 5” Concrete Pavement (SY)” in the unit price list in accordance with Geotechnical Engineering Study Job No. 2024-06 by Arias.
- Item No.4 – Item #18 “Furnish & Install (1) 3” HMAC Pavement for Access Drive and Truck Lane)” has been revised from “Furnish & Install (1) 2” HMAC Pavement for Parking Spaces) in the unit price list in accordance with Geotechnical Engineering Study Job No. 2024-06 by Arias.
- Item No.5 – Construction start date has been added to item #3 “Time of Commencement and Completion”.
- Item No.6 – Item “e. Electrical” has been added to section “D. Subcontractors & Suppliers” section of the point breakdown chart. Two points max can be rewarded to Electrical and 1 point from section “b. Asphalt Paving” and “c. Concrete Paving” have been removed to make room for the 2 points max to be added to the “e. Electrical” section.
- Item No. 7 – “Electrical” item of work has been added to ‘Schedule 2 proposed Subcontractors and Supplies’ section of the front end documents.

SPECIFICATIONS:

- Item No.1 – Item #35 “Unit cost per square yard (SY) to provide and install 3” type “D” hot mix” has been in the unit price list in accordance with Geotechnical Engineering Study Job No. 2024-06 by Arias.
- Item No.2 – Item #36 “Unit cost per square yard (SY) to provide and install 12” flexible base.” has been added to the unit price list in accordance with Geotechnical Engineering Study Job No. 2024-06 by Arias.
- Item No.3 – Item #12 “Unit cost per square yard (SY) to provide and install 7” concrete pavement per Detail #2, Sheet C3.5” has been revised from “Unit cost per square yard (SY) to provide and install 5” concrete pavement per Detail #2, Sheet C3.4” to the unit price list in accordance with Geotechnical Engineering Study Job No. 2024-06 by Arias.
- Item No.4 – Item #18 “Unit cost per square yard (SY) to provide and install 3” HMAC pavement for Access Drive and Truck Lane per Detail #1, Sheet C3.5” has been revised from “Unit cost per square yard (SY) to provide and install 2” HMAC pavement for parking spaces per Detail #1, Sheet C3.5” to the unit price list in accordance with Geotechnical Engineering Study Job No. 2024-06 by Arias.

CIVIL DRAWINGS/EXHIBITS:

- Item No.1 – Change in sheet C3.5, detail #1 HMAC Pavement Section:
 - HMAC, Flex Base, and Subgrade thickness for parking area, Access Drive, and truck lane have been revised to match the provided Geotechnical Engineering Study Job No. 2024-06 by Arias.
- Item No.2 – Change in sheet C3.5, detail #2 Concrete Pavement:
 - Concrete thickness for parking area, Access Drive, and truck lane have been revised to match the provided Geotechnical Engineering Study Job No. 2024-06 by Arias.
- Item No.3 – Change in sheet C0.1, geotechnical report information:
 - Paving note 55.1 has been revised to match the provided Geotechnical Engineering Study Job No. 2024-06 dated February 08, 2024, by Arias.

ATTACHMENTS:

- Front End Documents
- Specifications.
- C0.1 General Notes
- C3.5 – Civil Details

END OF ADDENDUM

NORTHSIDE INDEPENDENT SCHOOL DISTRICT

*Dr. John M. Craft, Superintendent
5900 Evers Road, San Antonio, Texas 78238*

FACILITIES AND OPERATIONS DEPARTMENT

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PURCHASING DEPARTMENT

*Andrea Tena, Director of Purchasing
607 Richland Hills Dr. #700
San Antonio, TX 78245-2149
Telephone: (210) 397-8710; Facsimile: (210) 706-8834*

CONSULTANT

*KCI Technologies, Inc.
2806 W. Bitters Rd, Suite 218
San Antonio, TX 78248
Date: January 31, 2024 RFCSP No. 2024-019*

INVITATION TO OFFERORS (Competitive Sealed Proposals)

- 1. REQUEST FOR COMPETITIVE SEALED PROPOSALS (RFCSP):** *The Northside Independent School District (“NISD” or “Owner”) of Bexar County, Texas proposes to construct a Paving Upgrades at Clarence Galm ES (“Project”) and is requesting competitive sealed proposals for the work pursuant to Chapter 2269 of the Government Code. The Owner may select the Proposal that offers the “best value” for the District based on the published selection criteria, weight of criteria, and on its ranking evaluation. Prior to approval of the recommended Offeror by the Board of Trustees, the District’s representative Owner may attempt to negotiate a contract and discuss options for scope or time modifications and price change(s) associated with the modification(s) if proposed prices are more than the District’s budget for the project. Proposals are to be submitted in accordance with this invitation and the accompanying instructions. Northside facilities are accessible to disabled persons. To arrange for special assistance for this meeting, the Pre-Proposal Conference, and any other meeting, or if you have questions regarding accessibility, please contact the Facilities & Operations Department in advance of the meeting.*
- 2. DESCRIPTION OF PROJECT:** *The Project is generally described as follows:
Paving Upgrades at Clarence Galm ES as indicated on the drawings and specifications to include all general construction, site work, heating, air conditioning, electrical, plumbing and all other work as indicated on the construction documents.*
- 3. TIME OF COMMENCEMENT AND COMPLETION:** *Start of construction for the Project may begin as early as June 10, 2024. The Project must be complete and ready for occupancy not later than August 2, 2024, assuming that the successful Offeror is given notice of its top ranking on or before March 27, 2024. Any proposal must provide for final completion by this date. The Notice to Proceed may be issued up to 45 consecutive calendar days following the Notice of*

PROPOSAL FORM
(Competitive Sealed Proposal)

PROPOSAL OF:

(Name of Offeror)

TO: Director of Purchasing

FOR: Paving Upgrades at Clarence Galm ES

PROPOSAL # RFCSP No. 2024-019

Attention Owner:

The Offeror named herein (hereinafter called "Offeror"), in compliance with the Invitation to Offerors and Instructions to Offerors for the Paving Upgrades at Clarence Galm ES ("Project") for the Northside Independent School District, San Antonio, Texas ("Owner"), having inspected the Project site and carefully examined the Project Drawings, Specifications, Addenda Nos. (List all addenda) _____, and all other Contract Documents (as such term is defined in the Instructions to Offerors), hereby offers to enter into a contract to furnish all labor, materials, tools, equipment, transportation, machinery, supplies, insurance, permits, (per owners special conditions chapter 3, section 3.2) taxes and services necessary to complete the Work in accordance with the Contract Documents, within the time set forth herein, and at the prices stated herein. The Offeror fully understands the intent and purpose of the Contract Documents and the conditions of offer as set forth herein and in the Invitation to Offerors and the Instructions to Offerors. The Offeror hereby covenants and agrees that claims for additional compensation or extensions of time because of Offerors failure to familiarize itself with the Contract Documents or any condition at the Project site, which might affect the Work, will not be allowed.

Base Proposal: The Offeror agrees to execute all of the Work described in the Drawings, Specifications and other Contract Documents, including Owner Contingency and Allowances as defined in "Specifications", for the sum of _____ and _____/100 DOLLARS (\$_____). In case of a difference between written words and numbers in this Proposal Form, the amount stated in written words shall govern. All unused Owner Contingency and Allowances will be returned back to Owner.

1. Alternate No. One (1) [A]: Combination of pavement replacement and seal coating of existing pavement along the student pickup/drop-off lane. Includes replacement of existing curb along Saxonhill Drive. Addition of concrete channels and sidewalk drains along Saxonhill Drive. Addition of new sidewalk from bicycle racks to the main drive sidewalk along Stanton Drive. Installation of two sidewalk drains that will drain into Saxonhill Drive. Add the sum of _____ and _____/100 DOLLARS (\$_____) to the Base Proposal.

Alternate No. Two (1) [B]: Blacktop area and basketball courts behind gym to be replaced in combination with asphalt pavement replacement. Seal coating of existing asphalt. Striping of blacktop area and basketball courts. Regrading of existing channel as shown in sheets C1.3, C2.3, and C3.3. Addition of sidewalk drains and cleanout of existing channels along Stanton Drive. Add the sum of _____ and _____/100 DOLLARS (\$_____) to the Base Proposal.

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(Competitive Sealed Proposal)

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(Name of Offeror)

TO: Director of Purchasing

FOR: Paving Upgrades at Clarence Galm ES

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Alternate No. Two (1) [B]: Blacktop area and basketball courts behind gym to be replaced in combination with asphalt pavement replacement. Seal coating of existing asphalt. Striping of blacktop area and basketball courts. Regrading of existing channel as shown in sheets C1.3, C2.3, and C3.3. Addition of sidewalk drains and cleanout of existing channels along Stanton Drive. Add the sum of _____ and _____/100 DOLLARS (\$_____) to the Base Proposal.

SCHEDULE 2
PROPOSED SUBCONTRACTORS AND SUPPLIERS

Proposed Subcontractors: Subject to approval by the Owner and Consultant, the Bidder agrees to employ the following named Subcontractors for the following trades (insert only one [1] legal subcontractor name for each item of work, place of business, business address, and phone number, or if the item of work is not to be subcontracted, the Bidder shall insert the Bidder's own legal name; insertion of more than one name will result in a deduction of points or disqualification during the evaluation and ranking process). All names listed below shall be the subcontractor installing or performing the work unless otherwise specified:

<u>ITEM OF WORK</u>	<u>PROPOSED</u> <u>SUBCONTRACTOR</u>	<u>PLACE OF</u> <u>BUSINESS</u>	<u>ADDRESS &</u> <u>TELEPHONE</u>
	<i>"[Consultant to Verify Categories per Project and Notify NISD if form is Modified]"</i>		
Site Work	-----		
Asphalt Paving	-----		
Concrete Paving	-----		
Striping/Signage	-----		
Electrical	-----		

Alternate No. Three (1) [C]: Addition of lighting fixture upgrades and repainting of existing light poles (8) located throughout the site. Add the sum of _____ and _____/100 DOLLARS (\$_____) to the Base Proposal.

[Alternate Number]	[Description - Added by Consultant]	[Add or Deduct]	[Cost]
#1	Visitor Parking & Sidewalk	Add	_____
#2	Surface Courts / Drainage Improvements	Add	_____
#3	Lighting Upgrades	Add	_____

2. Unit Prices: The Offeror agrees that the Base Proposal may be adjusted by the amounts indicated below for each unit price:

[Number]	[Description]	[Units]	[Cost \$/Unit]
1	DEMOLISH AND HAUL OFF / DISPOSE OF PROPERLY (1) OF CONCRETE SIDEWALK (SF)	S.F.	_____
2	DEMOLISH AND HAUL OFF / DISPOSE OF PROPERLY (1) OF CONCRETE CURB (LF)	L.F.	_____
3	DEMOLISH AND HAUL OFF / DISPOSE OF PROPERLY (1) OF SIDEWALK DRAIN (LS)	L.S.	_____
4	DEMOLISH AND HAUL OFF / DISPOSE OF PROPERLY (1) OF CONCRETE APPROACH (SF)	S.F.	_____
5	DEMOLISH AND HAUL OFF / DISPOSE OF PROPERLY (1) OF ASPHALT PAVEMENT (SY)	S.Y.	_____
6	DEMOLISH AND HAUL OFF / DISPOSE OF PROPERLY (1) OF ASPHALT MILLING (2") (SY)	S.Y.	_____
7	DEMOLISH AND HAUL OFF / DISPOSE OF PROPERLY (1) OF CHANNEL EXCAVATION (CY)	C.Y.	_____
8	FURNISH AND INSTALL 6" SUBGRADE	S.Y.	_____
9	FURNISH & INSTALL (1) 8" FLEXIBLE BASE (SY)	S.Y.	_____
10	FURNISH & INSTALL (1) 2" TYPE "D" HOT MIX (SY)	S.Y.	_____
11	FURNISH & INSTALL (1) 6" CONCRETE PAVEMENT (SY) SEE DETAIL #2 ON SHEET C3.5	S.Y.	_____
12	FURNISH AND INSTALL (1) 7" CONCRETE PAVEMENT (SY) SEE DETAIL #2 ON SHEET C3.5	S.Y.	_____
13	FURNISH & INSTALL (1) COMMERCIAL DRIVEWAY (SY) SEE DETAILS ON SHEET C3.8	S.Y.	_____
14	FURNISH & INSTALL (1) CURB RAMP (EA) SEE DETAIL #12 ON SHEET C3.5	EA.	_____

15	FURNISH & INSTALL (1) CONCRETE SIDEWALK (SY) SEE DETAIL #6 ON SHEET C3.5	S.Y.	_____
16	FURNISH & INSTALL (1) CONCRETE CURB (LF) SEE DETAIL #3 ON SHEET C3.6	S.Y.	_____
17	FURNISH AND INSTALL 2" HMAC PAVEMENT FOR DRIVE LANES SEE DETAIL #1 ON SHEET C3.5	S.Y.	_____
18	FURNISH AND INSTALL 3" HMAC PAVEMENT FOR ACCESS DRIVE AND TRUCK LANE SEE DETAIL #1 ON SHEET C3.5	S.Y.	_____
19	FURNISH & INSTALL (1) CONCRETE SIDEWALK DRAIN (EA) SEE DETAILS ON SHEET C3.6	EA.	_____
20	FURNISH & INSTALL (1) CONCRETE FLUME (SY) SEE DETAILS ON SHEET C3.4	S.Y.	_____
21	FURNISH & INSTALL (1) CONCRETE RIP RAP (4" THICK) (SY) SEE DETAILS ON SHEET C3.4	S.Y.	_____
22	FURNISH REMOVAL AND REPLACEMENT (1) OF FIRE LANE MARKING (LF) SEE DETAIL #10 ON C3.5	L.F.	_____
23	FURNISH & INSTALL (1) PARKING LOT STRIPING (LF) SEE DETAILS ON SHEET C3.9	L.F.	_____
24	FURNISH & INSTALL (1) TOPSOIL (CY)	C.Y.	_____
25	FURNISH & INSTALL (1) SOD (SY)	S.Y.	_____
26	FURNISH & INSTALL (1) RIP-RAP ROCK (CY)	C.Y.	_____
27	FURNISH & INSTALL (1) TREE PROTECTION FENCE (LF)	L.F.	_____
28	FURNISH & INSTALL (1) SILF FENCING (LF)	L.F.	_____
29	FURNISH & INSTALL (1) CONSTRUCTION ENTRANCE / EXIT (SY)	S.Y.	_____
30	FURNISH & INSTALL (1) CONCRETE WASHOUT PIT (EA)	EA.	_____
31	FURNISH & INSTALL (1) GRAVEL FILTER BAGS (LF)	L.F.	_____
32	FURNISH & INSALL (1) LED FLOOD LIGHTS WITH BRACKETS (UNIT PRICE WITH LABOR) (EA)	EA.	_____

32	<i>FURNISH & INSTALL (1) LED FIXTURE AREA (SHOEBOX) WITH BRACKETS (UNIT PRICE WITH LABOR) (EA)</i>	EA.	_____
33	<i>FURNISH & ADJUST (1) MANHOLE TOP OF THE GREASE TRAP (LS)</i>	L.S.	_____
34	<i>FURNISH & INSTALL (1) 12" FLEXIBLE BASE (SY)</i>	S.Y	_____
35	<i>FURNISH & INSTALL (1) 3" TYPE "D" HOT MIX (SY)</i>	S.Y.	_____

3. Time for Completion: *If awarded the Contract, the Offeror agrees to commence the Work within 10 days after Notice to Proceed is given by the Owner, and assuming such notice of award is given on or before March 27, 2024, to achieve Substantial Completion of the Work on or before August 2, 2024.*

4. Completion Date Alternate: *In the event the Offeror elects to provide a completion date / contract time **earlier** than the Base Proposal requirement, the Completion Date Alternate below should be completed in full. If no alternate date is provided by the Offeror, the Completion Date Alternate may be left blank. The Owner reserves the right to accept or reject any alternate in the order of the Owner's own choosing.*

The Offeror agrees to achieve Substantial Completion of the work on or before August 2, 2024, (128) consecutive calendar days to Substantially Complete the work from a notice of award given no later than March 27, 2024.

5. Proposal Security: *Proposal security in the form of a certified check or proposal bond in the amount of five percent (5%) of the Base Proposal, plus all additive alternates, if applicable, is attached hereto, as a guaranty that the Offeror will unconditionally execute a satisfactory contract and furnish the payment and performance bonds, insurance and satisfy all other requirements for execution and delivery of the Contract Documents and commencement of the Work. NOTE: Please see the following link for information on Owner's Proposal Security Requirements: <https://www.nisd.net/district/purchasing/business-with-nisd>*

6. Contractor's Personnel: *The Offeror agrees to employ the following individuals for the entire duration of the Work, as noted in A201 Article 3, at the positions indicated, and agrees not to remove them from the Work nor replace them with others except as otherwise allowed in the Contract Documents or approved in writing by Owner:*

Project Manager: _____

Project Superintendent: _____

7. Representations: *By execution and submission of this Proposal, the Offeror hereby covenants, represents and warrants to Owner as follows:*

(a) *The Offeror has prior experience on construction projects of the same or similar type, nature and class as the Work for the Project.*

SECTION 01 22 00
UNIT PRICES

PART 1 GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Summary includes administrative and procedural requirements for unit prices. Contractor shall demolish existing device. Install new device running new infrastructure cabling from device to MDF/IDF rooms using existing pathways for all unit pricing items.

1.3 DEFINITIONS

- A. Unit price is a price per unit of measurement for materials, equipment, or services, or a portion of the Work, added to or deducted from the Contract Sum by appropriate modification, if the scope of Work or estimated quantities of Work required by the Contract Documents are increased or decreased.

1.4 PROCEDURES

- A. Unit prices include all necessary material and associated components for a complete installation, plus cost for delivery, insurance, applicable taxes, overhead, and profit.
- B. Measurement and payment: See individual Specification Sections for work that requires establishment of unit prices. Methods of measurement and payment for unit prices are specified in those sections.
- C. Owner reserves the right to reject Contractor's measurement of work-in-place that involves use of established unit prices and to have this work measured, at Owner's expense, by an independent surveyor acceptable to Contractor.
- D. List of Unit Prices: A schedule of unit prices is included in Part 3. Specification Selections referenced in the schedule contain requirements for materials described under each unit price.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION

3.1 SCHEDULE OF UNIT PRICES

1. Unit cost per square foot (SF) to demolish and haul off / dispose of properly of concrete sidewalk.
2. Unit cost per linear foot (LF) to demolish and haul off / dispose of properly of concrete curb.
3. Unit cost per lump sum (LS) to demolish and haul off / dispose of properly of sidewalk drain.

4. Unit cost per square foot (SF) to demolish and haul off / dispose of properly of concrete approach.
5. Unit cost per square yard (SY) to demolish and haul off / dispose of properly of asphalt pavement.
6. Unit cost per square yard (SY) to demolish and haul off / dispose of properly of asphalt milling (2").
7. Unit cost per cubic yard (CY) to demolish and haul off / dispose of properly of channel excavation.
8. Unit cost per square yards (SY) to provide and Install 6" subgrade.
9. Unit cost per square yard (SY) to provide and install 8" flexible base.
10. Unit cost per square yard (SY) to provide and install 2" type "D" hot mix.
11. Unit cost per square yard (SY) to provide and install 6" concrete pavement per Detail #2, Sheet C3.5.
12. Unit cost per square yard (SY) to provide and install 7" concrete pavement per Detail #2, Sheet C3.4.
13. Unit cost per square yard (SY) to provide and install commercial driveway per Details, Sheet C3.8.
14. Unit cost per each (EA) to provide and install curb ramp per Detail #12, Sheet C3.5.
15. Unit cost per square yard (SY) to provide and install concrete sidewalk per Detail #6, Sheet C3.5.
16. Unit cost per linear foot (LF) to provide and install concrete curb per Detail #3, Sheet C3.6.
17. Unit cost per square yard (SY) to provide and install 2" HMAC pavement for drive lanes per Detail #1, Sheet C3.5.
18. Unit cost per square yard (SY) to provide and install 3" HMAC pavement for Access Drive and Truck Lane per Detail #1, Sheet C3.5.
19. Unit cost per each (EA) to provide and install concrete sidewalk drain per Details, Sheet C3.6.
20. Unit cost per square yard (SY) to provide and install concrete flume per Details, Sheet C3.4.
21. Unit cost per square yard (SY) to provide and install concrete rip rap (4" thick) per Details, Sheet C3.4
22. Unit cost per linear foot (LF) to remove and replace fire lane marking per Detail #10, Sheet C3.5
23. Unit cost per linear foot (LF) to provide and install parking lot striping per Details, Sheet C3.9
24. Unit cost per cubic yard (CY) to provide and install topsoil.
25. Unit cost per square yard (SY) to provide and install Sod.
26. Unit cost per cubic yard (CY) to provide and install rip-rap rock.
27. Unit cost per linear foot (LF) to provide and install tree protection fence.
28. Unit cost per linear foot (LF) to provide and install silt fencing.
29. Unit cost per square yard (SY) to provide and install construction entrance / exit.
30. Unit cost per each (EA) to provide and install concrete washout pit.
31. Unit cost per linear foot (LF) to provide and install gravel filter bags.
32. Unit cost per each (EA) to provide and install LED flood lights with brackets (unit price with labor).
33. Unit cost per each (EA) to provide and install LED fixture area (shoebox) with brackets (unit price with labor).
34. Unit cost per lump sum (LS) to adjust manhole top of the grease trap.
35. Unit cost per square yard (SY) to provide and install 3" type "D" hot mix.
36. Unit cost per square yard (SY) to provide and install 12" flexible base.

END OF SECTION 01 22 00

GENERAL NOTES:

- VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD BEFORE COMMENCING ANY WORK. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPORT ANY DISCREPANCIES TO THE ARCHITECT IN A TIMELY MANNER. CHANGES IN HORIZONTAL OR VERTICAL ALIGNMENT REQUIRE APPROVAL BY THE ENGINEER.
- CONTRACTOR SHALL CONTACT THE CITY INSPECTION DEPARTMENT AT LEAST 48 HOURS BEFORE BEGINNING ANY SITE WORK.
- ANY WORK IN PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED TO THE STANDARDS OF THE GOVERNING AUTHORITY.
- THE TEXAS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION OF HIGHWAYS, STREETS, AND BRIDGES (2004) SHALL BE CONSIDERED PART OF THESE PLANS AND USED AS THE SPECIFICATIONS FOR ITEMS EXCEPT AS OTHERWISE SHOWN ON THE PLANS OR IN THE PROJECT SPECIFICATIONS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL APPLICABLE CITY, COUNTY, STATE, AND FEDERAL PERMITS AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR SHALL COORDINATE HIS CONSTRUCTION SCHEDULE WITH THE OWNER PRIOR TO BEGINNING WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF ALL WASTE MATERIAL GENERATED DURING CONSTRUCTION. WASTE MATERIAL MUST BE REMOVED FROM THE WORK SITE AND DISPOSED OF IN SUCH A MANNER TO MEET ALL APPLICABLE REGULATIONS. (NO SEPARATE PAY ITEM.)
- CONDITION OF THE ROAD AND/OR RIGHT-OF-WAY UPON COMPLETION OF JOB SHALL BE AS GOOD OR BETTER THAN PRIOR TO STARTING WORK.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING REQUIRED SECURITY TO PROTECT HIS OWN PROPERTY, EQUIPMENT, AND WORK IN PROCESS.
- TREES NOT NOTED FOR REMOVAL SHALL BE PROTECTED BY CONTRACTOR. CONTRACTOR SHALL PROVIDE TEMPORARY FENCE AROUND PROTECTED TREES TO DRIP LINE OF TREE CANOPY. THE ARCHITECT SHALL BE NOTIFIED IN ADVANCE OF ANY TRIMMING OR LANDSCAPE WORK TO BE DONE IN THE AREA OF PROTECTED TREES.
- CONTRACTOR SHALL PROVIDE AND INSTALL PVC CONDUITS UNDER PAVEMENT/SIDEWALK AREAS FOR SITE IRRIGATION SYSTEM AND SITE LIGHTING PLANS AS SHOWN ON SITE UTILITY PLAN, MEP PLANS, AND LANDSCAPE IRRIGATION PLANS.
- THE GRADING PLAN INDICATES FINISHED GRADES. FINISHED GRADING SHALL BE HAND SMOOTHED, READY FOR SOD AND THE INSTALLATION OF OTHER LANDSCAPING FOR THE ENTIRE SITE, WITHIN THE "LIMITS OF WORK".
- THE TOP SOIL FINISH GRADE SHALL BE 2 INCHES BELOW THE TOP OF THE SIDEWALK. SOD, ONCE INSTALLED, SHALL BE FLUSH WITH THE TOP OF THE SIDEWALK.
- SLABS SHALL TYPICALLY HAVE AT LEAST A 6" EXPOSURE UNLESS SHOWN OTHERWISE.
- THE LIMITS FOR WORK ON THIS PROJECT ARE SHOWN ON THE PLANS.

TRAFFIC NOTES

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROLLING TRAFFIC IN THE IMMEDIATE VICINITY OF CONSTRUCTION. ALL WORK SHALL BE PERFORMED IN SUCH A MANNER AND SEQUENCE AS TO PROVIDE MAXIMUM PROTECTION TO TRAFFIC AND PEDESTRIANS. CONTROLS SHALL BE CONSISTENT WITH THE TYPE OF WORK BEING PERFORMED.
- CONSTRUCTION WHICH BLOCKS TRAFFIC OF ANY STREET, ALLEY, OR DRIVEWAY IS SUBJECT TO APPROVAL OF AND RESTRICTION IMPOSED BY THE CITY TRAFFIC DIVISION.
- INGRESS AND EGRESS SHALL BE PROVIDED AT ALL TIMES FOR THE PROPERTY OWNERS AND BUSINESSES OF THE ABUTTING PROPERTY AND THE CROSS STREETS WHICH ARE AFFECTED BY THE CONSTRUCTION OF THIS PROJECT.
- DURING THE ENTIRE CONSTRUCTION PERIOD, THE CONTRACTOR SHALL MAINTAIN CONSTRUCTION WARNING SIGNS AT EACH END OF THE PROJECT TO WARN MOTORING AND PEDESTRIAN TRAFFIC THAT CONSTRUCTION IS IN PROGRESS AND OF POSSIBLE HAZARDOUS CONDITION GENERATED BY THE CONSTRUCTION.
- DELINEATORS SHALL BE INSTALLED ALONG THE PAVEMENT EDGE TO WARN TRAFFIC OF ANY ROADSIDE OBJECTS OR HAZARDS AND TO DELINEATE THE ROADWAY EDGE DURING HOURS OF DARKNESS.

UTILITIES

- THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES IN THE AREA A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK IN ANY RIGHT-OF-WAY OR EXISTING EASEMENT.

SANITARY SEWER (SAWS) – 210-704-7297
 WATER (SAWS) – 210-704-7297
 ELECTRIC AND GAS (CPS ENERGY) – 210-353-3500
 TELEPHONE (A.T.&T.) – 210-288-5127
 GAS (GREY FOREST UTILITIES) – 210-695-8781
 CATV – SPECTRUM – 888-369-2408
 TEXAS STATE WIDE ONE CALL LOCATOR – 1-800-545-6005

- OVERHEAD POWER LINES EXIST IN THE AREA OF THE PROJECT. CONTRACTOR SHALL MAINTAIN RECOMMENDED CLEARANCE REQUIREMENTS OF PROVIDER. TEXAS LAW ARTICLE 1436C, PROHIBITS ALL ACTIVITIES IN WHICH PERSONS OR EQUIPMENT MAY COME WITHIN SIX (6) FEET OF ENERGIZED OVERHEAD POWER LINES. FEDERAL REGULATIONS, TITLE 29, PART 1910.180(I) AND PART (1926.550(A)(15) REQUIRE A MINIMUM OF TEN (10) FEET FROM THESE FACILITIES WHERE CONTRACTOR MUST WORK NEAR OVERHEAD POWER LINES. LINES WITHIN THESE LIMITS SHALL BE DE-ENERGIZED AND/OR MOVED AT CONTRACTOR'S EXPENSE.
- IN THE EVENT OF DAMAGE TO UNDERGROUND UTILITIES OR FACILITIES, WHETHER SHOWN OR NOT ON THE DRAWINGS, THE CONTRACTOR SHALL MAKE THE NECESSARY REPAIRS TO REPLACE THE UTILITY OR FACILITY BACK IN SERVICE AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL UNCOVER ALL EXISTING UTILITIES AND VERIFY EXISTING ELEVATION OF SAME AT ALL UTILITY CROSSINGS BEFORE COMMENCING ANY OTHER WORK. CONFLICTS SHALL BE REPORTED TO THE MANAGING ARCHITECT IMMEDIATELY.

- CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION OF ALL PROPOSED UTILITIES EXITING BUILDING PRIOR TO COMMENCING WORK ON SITE UTILITIES. UPON DISCOVERY OF ANY DISCREPANCIES, THE MANAGING ARCHITECT SHALL BE NOTIFIED.
- ELECTRIC METER AND SERVICE LINE INSTALLATION TO BE COORDINATED WITH CITY PUBLIC SERVICE.
- ON-SITE WATER AND SEWER SERVICES SHALL BE INSPECTED AS REQUIRED BY THE CITY PLUMBING INSPECTOR.
- WATER SERVICE LINE SHALL BE SCHEDULE 40 PVC. LINE SHALL BE BEDDED IN AND BACKFILLED WITH A MINIMUM OF 6" OF WASHED SAND.
- ALL SANITARY SEWER LINES PROPOSED ON THE SITE SHALL BE SDR 26 PVC. BEDDING AND INITIAL BACKFILL (12" ABOVE THE PIPE) SHALL BE GRAVEL (3/4" MAX TO DUST).
- MISCELLANEOUS PVC FITTINGS REQUIRED TO ROUTE SANITARY SEWER OUTSIDE OF BUILDING ARE NOT CALLED FOR ON PLANS BUT SHALL BE FURNISHED BY CONTRACTOR AT NO ADDITIONAL COST TO OWNER.
- TIE-INS TO EXISTING MANHOLES SHALL BE MADE SUCH THAT THE FINAL CONDITION UPON COMPLETION OF THE JOB SHALL COMPLY WITH THE REQUIREMENTS OF THE GOVERNING CODE.
- CONTRACTOR TO CUT AND CAP ANY IRRIGATION LINES WHILE NOTING SIZE AND LOCATION IN THESE PLANS AS PART OF THE AS-BUILT SET.
- CONTRACTOR SHALL DOCUMENT ANY REPAIRS MADE TO EXISTING LINES.

EARTHWORK

- THE CONTRACTOR SHALL COMPLY WITH OSHA REGULATIONS, LOCAL BUILDING CODE REQUIREMENTS AND STATE OF TEXAS LAW CONCERNING EXCAVATION, TRENCHING AND SHORING.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING, MAINTAINING AND RESTORING THE DRAINAGE SYSTEM TO ITS ORIGINAL CONDITION. THE CONTRACTOR SHALL MAINTAIN ADEQUATE DRAINAGE AT ALL TIMES DURING CONSTRUCTION.
- THE CONTRACTOR MUST CLEAN MUD, DIRT OR DEBRIS TRACKED ONTO EXISTING STREETS BY ANY VEHICLE THAT EXITS OR ENTERS THE SITE.
- ADEQUATE DRAINAGE SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION TO MEET GEOTECHNICAL AND STRUCTURAL ENGINEER RECOMMENDATIONS.
- ON-SITE SOILS UPON APPROVAL OF GEOTECH MAY BE PLACED UNDER PROPOSED PAVEMENT AREAS IF PLACED IN LOOSE LIFTS NOT EXCEEDING 6" IN THICKNESS AND COMPACTED TO AT LEAST 95% OF THE MAXIMUM DENSITY AS DETERMINED BY TXDOT, TEX-114-E. THE MOISTURE CONTENT SHALL BE WITHIN THE RANGE OF OPTIMUM WATER CONTENT TO 3% ABOVE THE OPTIMUM WATER CONTENT UNTIL PERMANENTLY COVERED.
- PLACE BACKFILL AS PROMPTLY AND AS PRACTICAL AFTER COMPLETION OF EACH STRUCTURE OR PORTION OF A STRUCTURE. DO NOT PLACE BACKFILL AGAINST CONCRETE WALLS OR SIMILAR STRUCTURES UNTIL CONCRETE HAS CURED AT LEAST SEVEN (7) DAYS.
- ANY DRAINAGE STRUCTURE DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO THE SATISFACTION OF THE OWNING AUTHORITY.
- CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING FINAL GRADES TO ASSURE POSITIVE DRAINAGE.
- GRAVEL SUBGRADE FILLER SHALL CONSIST OF A WELL GRADED, CRUSHED STONE OR GRAVEL, APPROVED BY THE ENGINEER, ONE HUNDRED PERCENT (100%) PASSING A 1 3/4" SIEVE, AT LEAST NINETY-FIVE PERCENT (95%) PASSING A 1 1/2" SIEVE AND AT LEAST NINETY PERCENT (90%) RETAINED ON A ONE QUARTER INCH (1/4") SIEVE. THE CRUSHED STONE OR GRAVEL SHALL HAVE AN ABRASION OF NOT MORE THAN FORTY (40) WHEN SUBJECTED TO THE LOS ANGELES ABRASION TEST.
- INITIAL BACKFILL: INITIAL BACKFILL IS DEFINED AS BACKFILL HAVING A THICKNESS IN ITS COMPACTED STATE FROM THE SURFACE OF THE BEDDING TO A POINT ONE FOOT (1') ABOVE THE TOP OF THE PIPE. SELECT INITIAL BACKFILL MATERIAL SHALL CONFORM TO THE GRAVEL REQUIREMENTS OF BEDDING. FOR PIPES LESS THAN 24" IN DIAMETER, SELECT INITIAL BACKFILL SHALL BE PLACED IN TWO LIFTS. THE FIRST LIFT SHALL BE SPREAD UNIFORMLY AND SIMULTANEOUSLY ON EACH SIDE OF AND UNDER THE SHOULDERS OF THE PIPE TO ITS SPRING LINE. THE SECOND LIFT OF INITIAL BACKFILL SHALL EXTEND FROM THE SPRING LINE OF THE PIPE TO A DEPTH SUFFICIENT TO PRODUCE A COMPACTED DEPTH OF MATERIAL A MINIMUM OF ONE FOOT ABOVE MINIMUM OF ONE FOOT ABOVE THE TOP OF THE PIPE.
- FOR PIPES 24" IN DIAMETER AND LARGER, SELECT INITIAL BACKFILL MATERIAL SHALL BE EVENLY AND SIMULTANEOUSLY SPREAD ALONGSIDE, UNDER THE SHOULDERS OR HAUNCHES OF THE PIPE AND OVER THE PIPE IN SIX INCH (6") LIFTS TO A POINT SUFFICIENT TO PRODUCE A COMPACTED DEPTH OF MATERIAL A THE TOP OF THE PIPE.
- SECONDARY BACKFILL: SECONDARY BACKFILL IS DEFINED AS BACKFILL FROM ONE FOOT (1') ABOVE THE TOP OF THE PIPE TO THE TOP OF THE TRENCH. SECONDARY BACKFILL SHALL GENERALLY CONSIST OF MATERIALS REMOVED FROM THE TRENCH AND SHALL BE FREE OF BRUSH, DEBRIS AND JUNK. NO ROCK OR STONES HAVING ANY DIMENSION LARGER THAN 6 INCHES AT THE LARGEST DIMENSION SHALL BE USED IN THE SECONDARY BACKFILLING ZONE AND SHALL BE AT LEAST 1 FOOT BELOW FINISHED GRADE. SECONDARY BACKFILL MATERIAL SHALL BE COMPOSED OF PRIMARILY COMPACTIBLE SOIL MATERIALS.
- WATER JETTING OR WATER FLOODING WILL NOT BE PERMITTED AS A METHOD OF COMPACTION. SECONDARY BACKFILL SHALL BE COMPACTED TO THE REQUIRED DENSITY OF NINETY-THREE PERCENT (93%) USING ANY SIZE AND TYPE OF EQUIPMENT WHICH WILL GIVE THE REQUIRED COMPACTION WITHOUT DAMAGING THE PIPE, BEDDING OR STRUCTURES. THE DEPTH OF LAYER, PRIOR TO COMPACTION, SHALL DEPEND UPON THE TYPE OF SPRINKLING AND COMPACTION EQUIPMENT USED TO ACHIEVE THE REQUIRED DENSITY AND THE TEST RESULTS THEREBY OBTAINED AND SHALL BE A MAXIMUM OF TWENTY FOUR INCHES (24"). PRIOR TO AND IN CONJUNCTION WITH THE COMPACTION OPERATION, EACH LAYER SHALL BE BROUGHT TO THE MOISTURE CONTENT NECESSARY TO OBTAIN THE REQUIRED DENSITY AND SHALL BE KEPT LEVEL TO INSURE UNIFORM COMPACTION OVER THE ENTIRE LAYER. ESTABLISHMENT OF THE OPTIMUM MOISTURE AND DENSITY WILL BE IN ACCORDANCE WITH TXDOT TEST METHOD TEX-113-E. DENSITY SHALL BE TESTED IN ACCORDANCE WITH THE REQUIREMENT OF ASTM D 2922. EACH LAYER OF BACKFILL MUST PROVIDE THE DENSITY AS REQUIRED HEREIN. IF THE MATERIAL FAILS TO MEET THE DENSITY INDICATED, THE COURSE SHALL BE REWORKED AS NECESSARY TO OBTAIN THE INDICATED COMPACTION.
- ALL WORK WITHIN THE CITY STREET OR STATE HIGHWAY RIGHT OF WAY MUST MEET THE INDICATED REQUIREMENTS IN THIS SECTION AS A MINIMUM AND SHALL MEET THE REQUIREMENTS INDICATED IN THE PLANS OR THE PERMIT ISSUED BY THE COUNTY, CITY, OR STATE WHEN THEIR REQUIREMENTS ARE MORE STRINGENT. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR WILL BE RESPONSIBLE FOR CONTACTING THE APPROPRIATE TXDOT, CITY, OR COUNTY OFFICE AND FOR COORDINATING HIS ACTIVITIES WITH THE OPERATING PROCEDURE IN EFFECT FOR UTILITY CUT PERMITS AND PAVEMENT REPAIR UNDER THEIR JURISDICTION. APPROVAL FOR ALL COMPETED WORK IN THE CITY, STATE OR COUNTY RIGHT OF WAY MUST BE OBTAINED FROM THE APPROPRIATE OFFICIAL PRIOR TO FINAL ACCEPTANCE.

FLATWORK

- ALL FLATWORK WITHIN PUBLIC R.O.W. SHALL BE DONE IN ACCORDANCE WITH THE CITY REQUIREMENTS.
- CONTRACTOR SHALL ENSURE THAT THE SLOPE ON THE FINISHED SURFACE OF THE CONCRETE IN THE FIRST FIVE FEET OUTSIDE DOORS DOES NOT EXCEED 2%.
- SEE GRADING PLANS FOR DROPS AT DOORS.
- THE SLOPE OF SITE SIDEWALKS SHALL NOT EXCEED A LONGITUDINAL SLOPE OF 5% OR A CROSS-SLOPE OF 2%
- THE PORTLAND CEMENT CONCRETE SHALL HAVE A MAXIMUM SLUMP OF 5" AND A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI. A LIQUID MEMBRANE-FORMING CURING COMPOUND SHALL BE APPLIED AS SOON AS PRACTICAL AFTER BROOM FINISH IS APPLIED TO CONCRETE.
- PRIOR TO BEGINNING PAVEMENT CONSTRUCTION, THE CONTRACTOR SHALL MEET WITH THE OWNER'S REPRESENTATIVE TO ESTABLISH A JOINT PATTERN.

PAVING NOTES

- REFERENCE PAVEMENT DETAILS AND NOTES ON DETAIL SHEET.
- NO RAP OR RAS SHALL BE USED IN ASPHALT SURFACE COURSE.

55.1 REFERENCE GEOTECHNICAL ENGINEERING STUDY PREPARED BY ARIAS, PROJECT No. 2024-06, DATED FEBRUARY 08, 2024 FOR ADDITIONAL RECOMMENDATIONS

PROJECT SIZE

- CONTRACTOR IS NOT REQUIRED TO PROVIDE CONSTRUCTION TRAILER OR LARGE NISD PROJECT SIGN DUE TO PROJECT CONSTRUCTION COST UNDER \$1 MILLION.

CPS ENERGY NOTES

WHAT TO DO BEFORE/DURING EXCAVATION

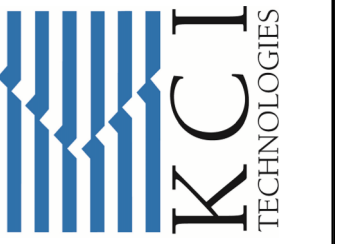
- WHITE LINING THE JOB SITE BEFORE YOU CALL 811 IS RECOMMENDED
- CALL 811- 2 BUSINESS DAYS BEFORE YOU DIG. EACH EXCAVATOR MUST HAVE THEIR OWN LOCATE REQUEST
- WAIT FOR A POSITIVE RESPONSE BEFORE YOU DIG. A POSITIVE RESPONSE INCLUDES MARKS ON GROUND, EMAIL NOTIFICATION, OR PHONE CALL.
- IF NO POSITIVE RESPONSE IS GIVEN THE EXCAVATOR MUST MAKE A SECOND CALL TO 811 (THE EXCAVATOR MUST WAIT 4 HOURS AFTER THE SECOND CALL IS MADE PRIOR DIGGING)
- THE EXCAVATOR IS ALSO RESPONSIBLE FOR MAKING A SECOND CALL TO 811 IF THERE ARE NO LOCATES BUT THERE IS VISUAL INDICATION OF GAS OR ELECTRIC FACILITIES
- THE EXCAVATOR SHALL PROTECT AND PRESERVE LOCATE MARKINGS THROUGHOUT THE LIFE OF THE TICKET
- THE LOCATE REQUEST IS VALID FOR 14 BUSINESS DAYS OR WHEN MARKS ARE NO LONGER VISIBLE. REFRESHING THE LOCATE TICKET ON THE TWELFTH DAY IS RECOMMENDED
- MECHANIZED EQUIPMENT IS NOT ALLOWED WITHIN THE EXCAVATION TOLERANCE ZONE. THIS AREA IS 18-INCHES ON EITHER SIDE OF EDGE OF EITHER SIDE OF THE GAS OR ELECTRIC FACILITY
- SIGNING AN EXCAVATORS AGREEMENT IS ALSO RECOMMENDED FOR LARGE PROJECTS WHERE THE SCOPE OF WORK IS TOO LARGE TO WHITE-LINE. THE LOCATE TICKET STILL NEEDS TO BE UPDATED EVERY 14 BUSINESS DAYS

IN CASE OF PIPELINE DAMAGE

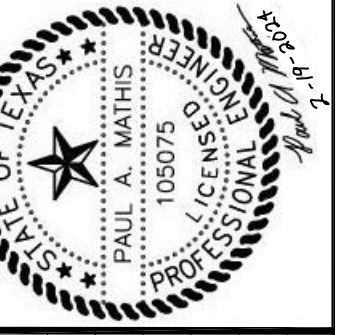
- CALL 811 IMMEDIATELY BUT NO LATER THAN 2 HRS FOLLOWING THE DAMAGE. FOR CPS ENERGY GAS OR ELECTRIC DAMAGES CALL IMMEDIATELY 210-353-HELP (4357)
- DAMAGE INCLUDES THE FOLLOWING: DEFACING, SCRAPING, DISPLACEMENT, PENETRATION, DESTRUCTION, PARTIAL OR COMPLETE SEVERANCE OF AN UNDERGROUND PIPELINE OR OF ANY PROTECTIVE COATING, HOUSE/CASING, OR OTHER PROTECTIVE DEVICE OF AN UNDERGROUND PIPELINE
- REPORT ANY BROKEN GAS TRACER WIRE TO CPS ENERGY AT 210-353-HELP (4357)
- DO NOT TRY AND FIX DAMAGED LINE OR STOP PRODUCT FROM LEAKING
- DO NOT BACKFILL THE IMMEDIATE AREA OF DAMAGE, UTILITY OWNER WILL GIVE THAT ORDER
- MAKE AREA SAFE FOR CREW AND PUBLIC, KEEP SOURCES OF IGNITION AWAY FROM INCIDENT AREA
- KEEP UPWIND FROM PLUME OR VAPOR CLOUD
- MUST FILE A GAS DAMAGE REPORT WITHIN 10 BUSINESS DAYS OF INCIDENT ONLINE AT <http://webapps.rrc.state.tx.us/TPD/publicHomeAction.do>
- FOR CPS ENERGY RELATED EVENTS OR NATURAL GAS ODOR COMPLIANTS THE EMERGENCY NUMBER IS 210-353-HELP (4357)

DESIGNED BY: PAM
 DRAWN BY: ASJ
 APPROVED: PAM
 JOB NO.: 78E0670600

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THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY: PAUL A. WATHIS, P.E. NO. #105075 ON: FEBRUARY 19, 2024 DATE



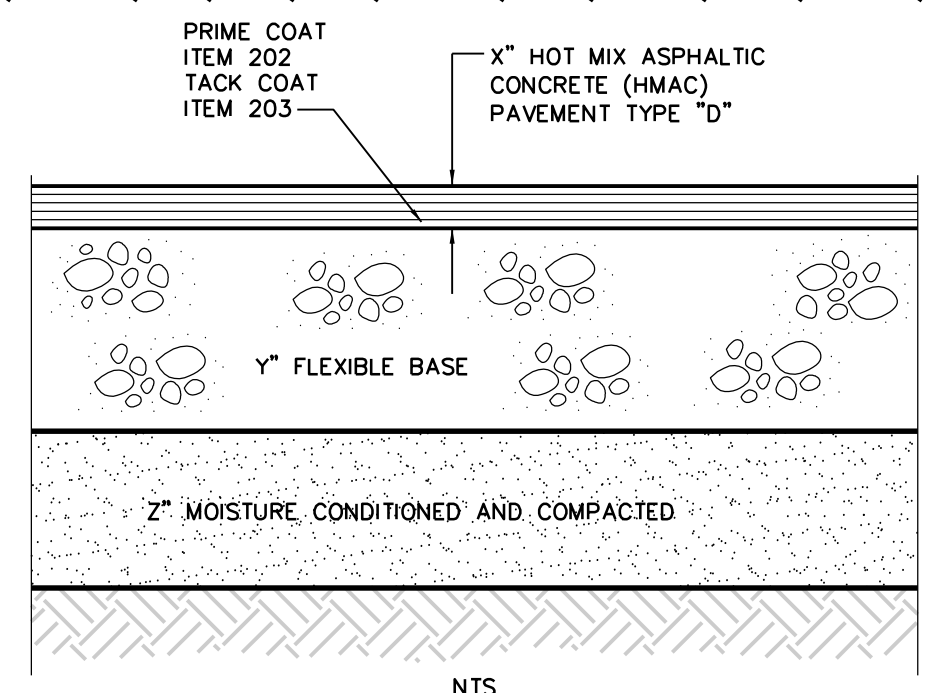
REV	DATE	DESCRIPTION
Δ	2/19/24	ADDENDUM 1

NORTHSIDE INDEPENDENT SCHOOL DISTRICT
 CLARENCE GALT ELEMENTARY SCHOOL
 PAVING AND DRAINAGE IMPROVEMENTS
 GENERAL NOTES

SHEET NO.

C0.1

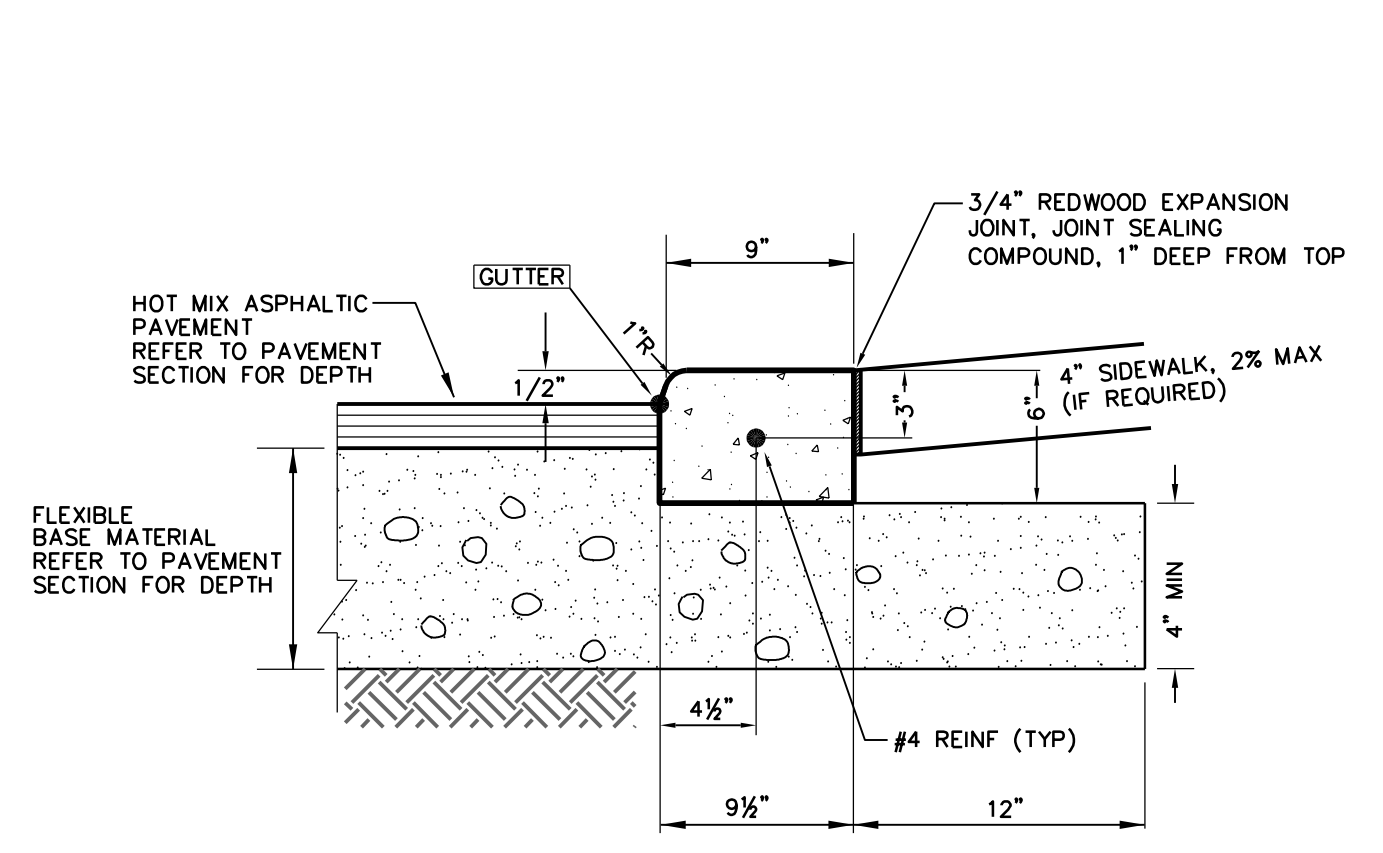
FEBRUARY 12, 2024



TYPE	PARKING AREA LIGHT DUTY	ACCESS DRIVE, TRUCK LANE MEDIUM DUTY
X	HMAC 2.0"	CLAY 3.0"
Y	FLEXBASE 8.0"	CLAY 12.0"
Z	SUBGRADE 6.0"	CLAY 6.0"

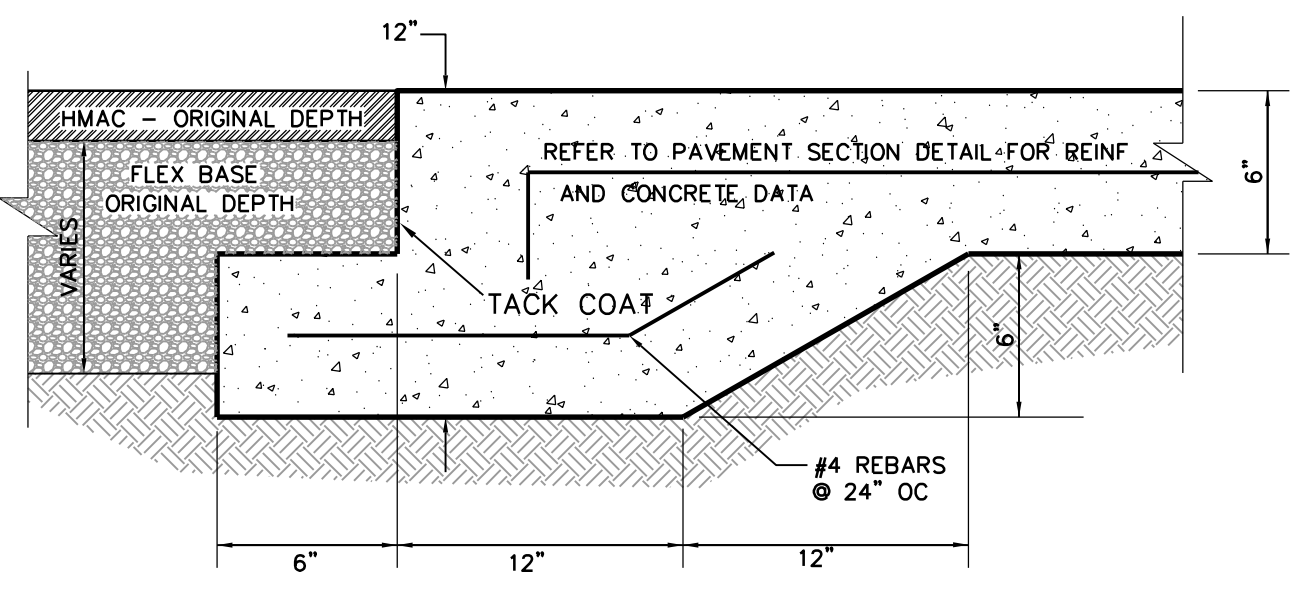
* REFERENCE GEOTECHNICAL ENGINEERING STUDY PREPARED BY ARIAS, PROJECT No. 2024-06 DATED FEBRUARY 08, 2024 FOR DETAILS AND REFER TO THE NOTE @ BOTTOM OF PAGE

1 **HMAC PAVEMENT SECTION**
NTS

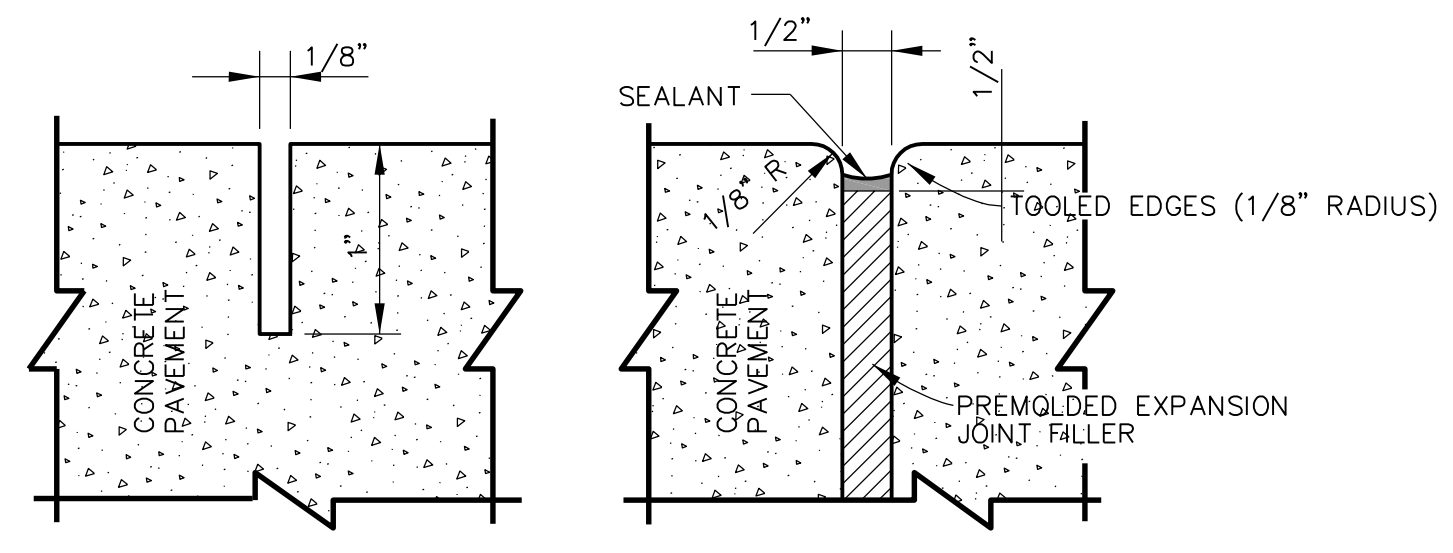


- NOTES:
- 1/2" DUMMY JOINTS @ 10' ON CENTER
 - 1/2" EXPANSION JOINT @ 40' ON CENTER (TYP) OR WHEN CURB ABUTS A CONCRETE STRUCTURE
 - CONCRETE SHALL BE f'c = 3,000 PSI, MAX 4" SLUMP (CSA PW ITEM 300 CLASS A)
 - IF NO SIDEWALK REQUIRED AT BACK OF CURB BACKFILL/SLOPE AS SHOWN ON PLANS
 - EXPOSED SURFACES TO BE CURED AS PER TXDOT "DMS-4650"; REFER TO TXDOT APPROVED SUPPLIER MATERIALS PRODUCER LIST, CURRENT VERSION.
 - REINFORCING STEEL SHALL COMPLY WITH TXDOT ITEM 440.

4 **MACHINE LAID FLUSH CURB**
COMMERCIAL USE
NTS

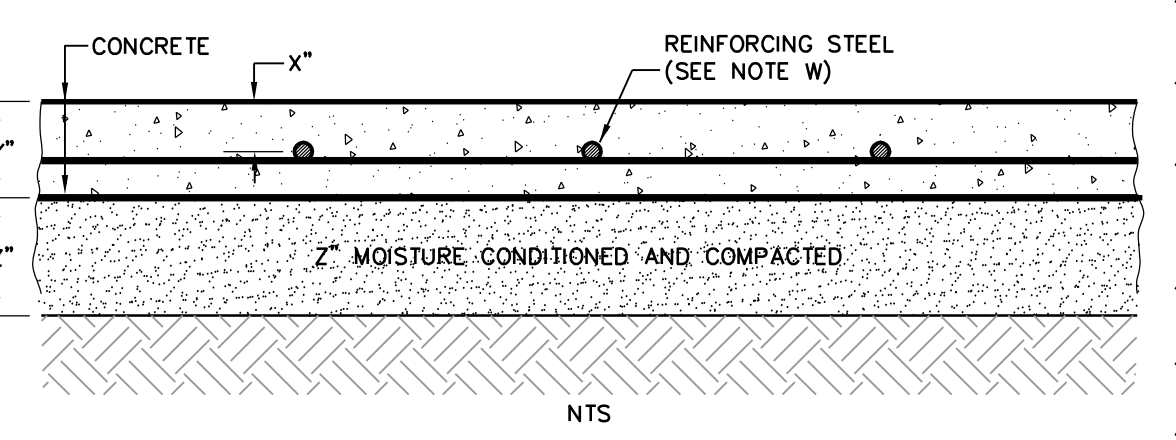


8 **CONCRETE/ASPHALT PVMT JUNCTION DETAIL**
NTS



- NOTES:
- CONTROL JOINTS TO BE NO MORE THAN 10' APART.
 - EXPANSION JOINTS TO BE LOCATED WHERE CONCRETE PAVEMENT ABUTS THE STRUCTURAL SLAB WITH #4 DOWELS SPACED AT 18" O.C. AND @ 40' INTERVALS.

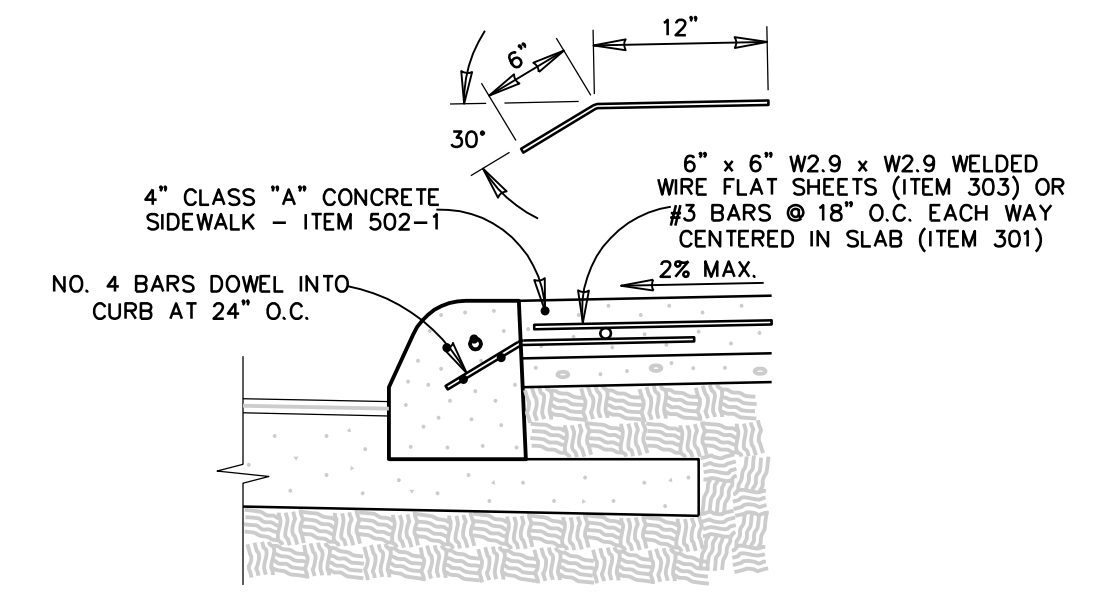
9 **JOINT DETAILS**
NTS



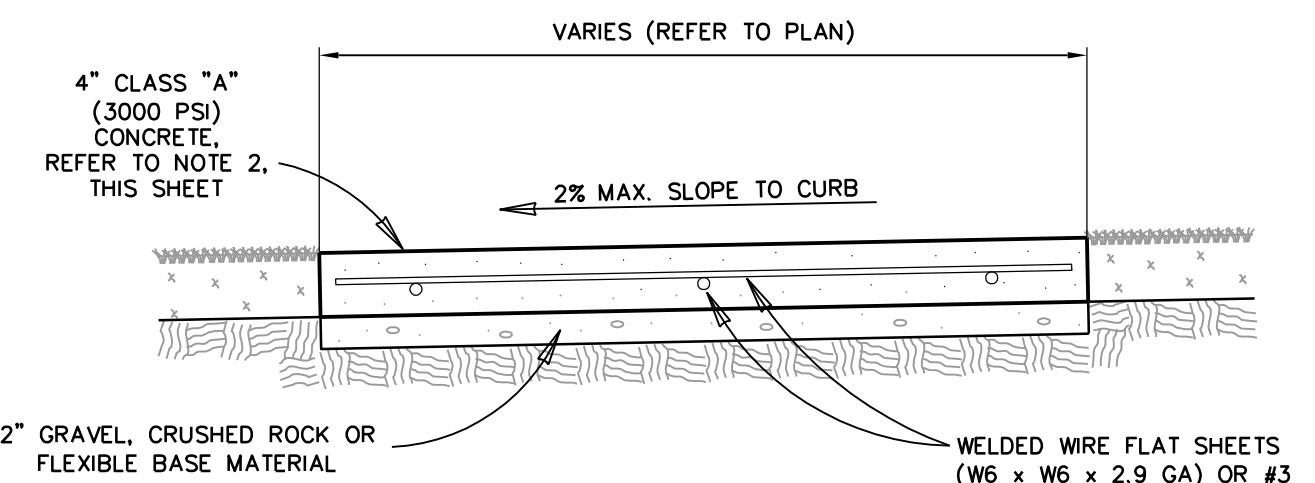
TYPE	PARKING AREA LIGHT DUTY	ACCESS DRIVE, TRUCK LANE MEDIUM DUTY
W	CONCRETE 6.0"	CLAY 7.0"
X	REINFORCEMENT #4 BARS @ 18" O.C.E.W. 3.0" 1/2"	CLAY 6.0"
Y	CONCRETE 6.0"	CLAY 7.0"
Z	SUBGRADE 6.0"	CLAY 6.0"

* REFERENCE GEOTECHNICAL ENGINEERING STUDY PREPARED BY ARIAS, PROJECT No. 2024-06 DATED FEBRUARY 08, 2024 FOR DETAILS AND REFER TO THE NOTE @ BOTTOM OF PAGE

2 **CONCRETE PAVEMENT**
NTS

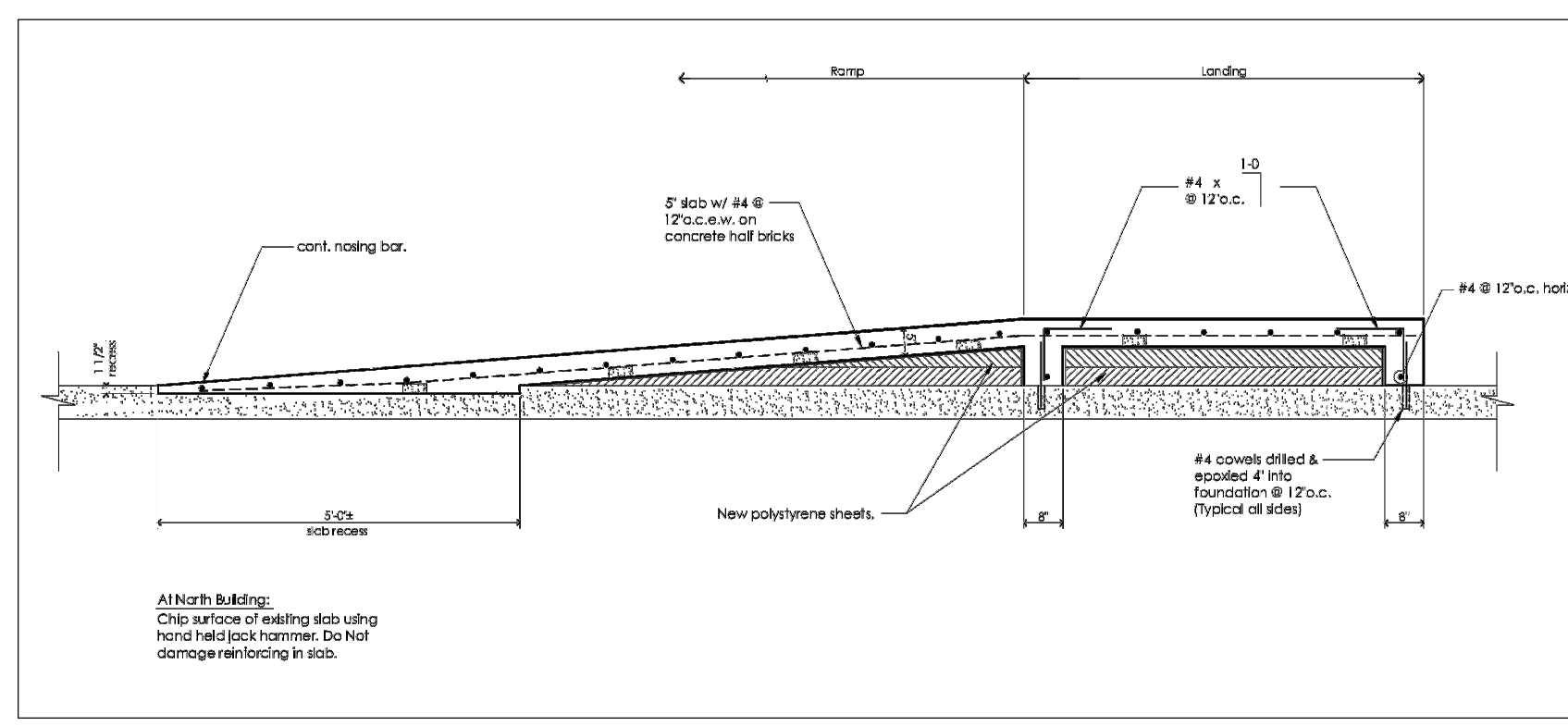


5 **CONCRETE SIDEWALK ABUTTING CURB SECTION**
NTS



- NOTE:
- 1/2" EXPANSION JOINTS @ 40' INTERVALS
 - DUMMY JOINTS @ 10' ON CENTER

6 **CONCRETE SIDEWALK**
NTS

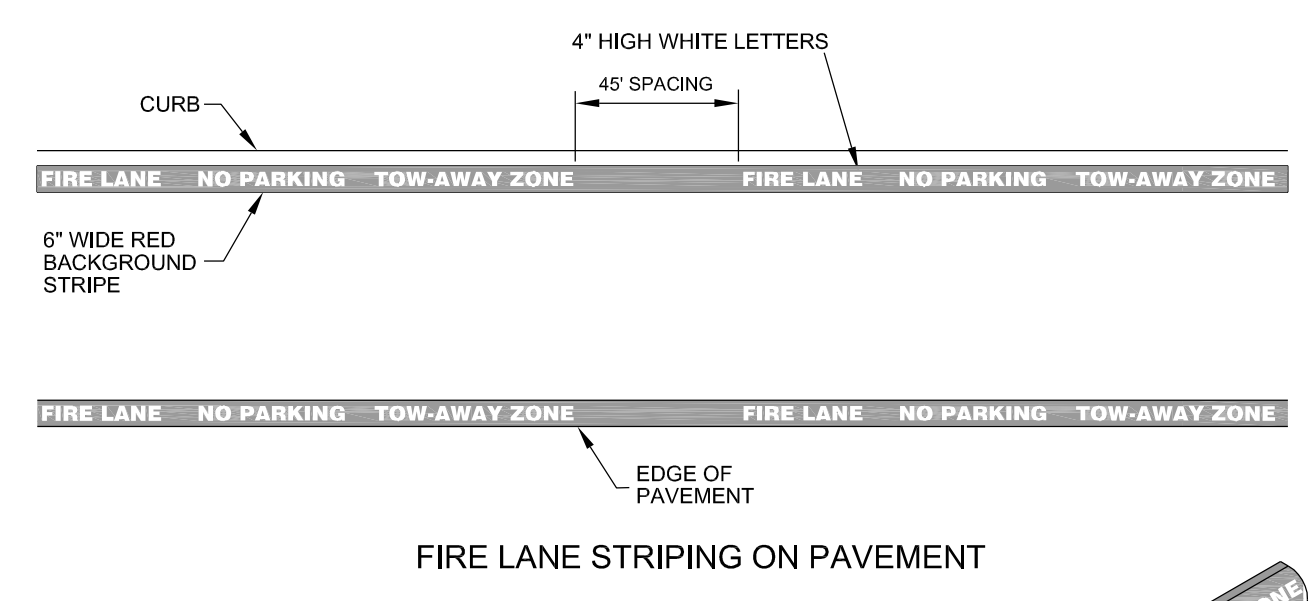


11 **TYPICAL RAMP DETAIL AT EXISTING CONCRETE**
NTS

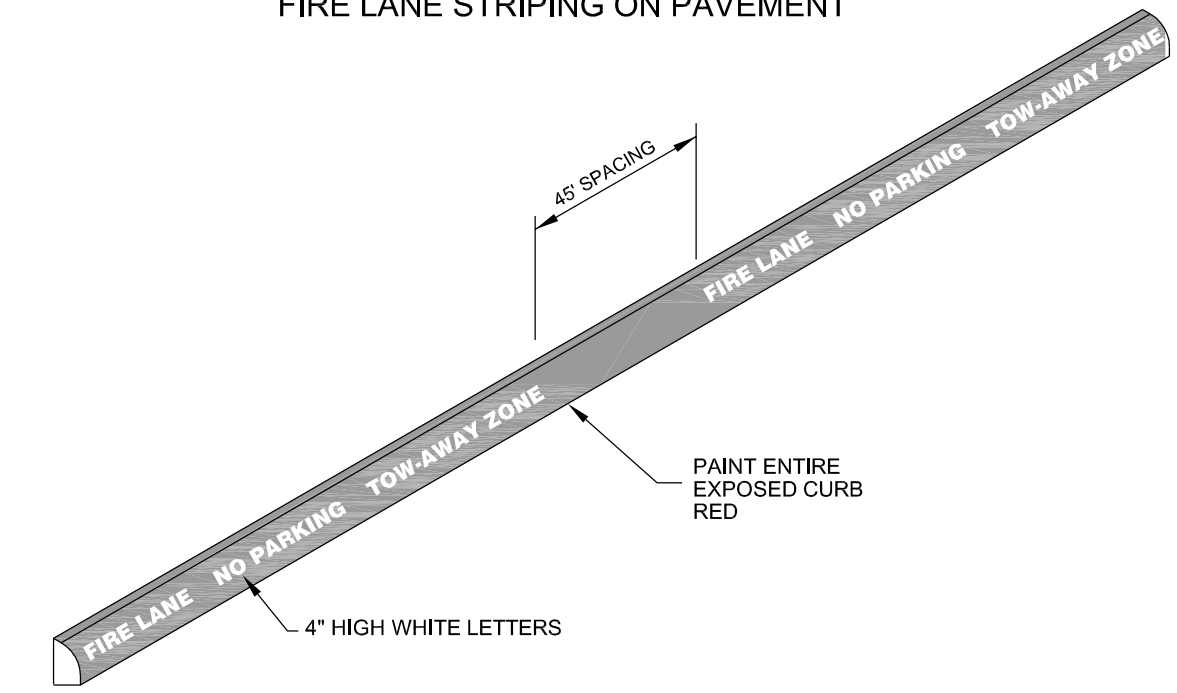
NOTE A:
CLASS "A" CONCRETE REFERS TO CONCRETE USED IN THE FOLLOWING GENERAL APPLICATIONS AND CRITERIA
USAGE: INLETS, MANHOLES, CURBS, GUTTERS, CURBS AND GUTTERS, CONCRETE RETARDS, SIDEWALKS, DRIVEWAYS, BACKUP WALLS, ANCHORS
DESIGN STRENGTH, MIN 28-DAY f'c: 3,000 psi
MAXIMUM WATER-CEMENT RATIO: 0.60
COARSE AGGREGATE GRADES: 1-4, 8 (AS PER "TXDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MAINTENANCE OF HIGHWAYS, STREETS, AND BRIDGES" ITEM 421, TABLE 5 CONCRETE CLASSES)

FIRE LANE MARKING NOTES:

- CONTRACTOR TO PROVIDE PAVEMENT MARKINGS AS NOTED BELOW:
1.1. A 6" WIDTH RED STRIPE ALONG ASPHALT OR CONCRETE PAVEMENT SURFACES WHERE INDICATED ON THE PLANS. CURBS SHALL BE PAINTED WHERE PRESENT, HOWEVER THE WORDS BELOW DO NOT HAVE TO BE ON SAWTOOTH CURB AND CAN BE PLACED ON THE PAVEMENT IN FRONT OF THE CURB.
1.2. 4" TALL WHITE LETTERS READING "FIRE LANE / NO PARKING" SPACED AT 25' INTERVALS THAT DESIGNATE THE "FIRE LANE".
- CONTRACTOR TO PROVIDE SIGNS AS PER CITY OF SAN ANTONIO STANDARDS.



FIRE LANE STRIPING ON PAVEMENT



FIRE LANE STRIPING ON CURB FACE

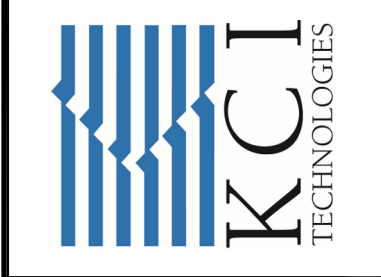
10 **FIRE LANE STRIPING**
NTS



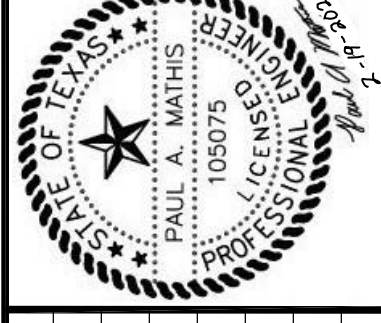
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DESIGNED BY:	PAM
DRAWN BY:	ASJ
APPROVED:	PAM
JOB NO.:	79E0670600

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THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY:
PAUL A. MATTHEWS, P.E.
NO. #105075
ON: FEBRUARY 19, 2024
DATE



REV	DATE	DESCRIPTION
1	2/19/24	ADDENDUM 1

NORTHSIDE INDEPENDENT SCHOOL DISTRICT
CLARENCE GALM ELEMENTARY SCHOOL
PAVING AND DRAINAGE IMPROVEMENTS
CIVIL DETAILS

SHEET NO.

C3.5

FEBRUARY 12, 2024