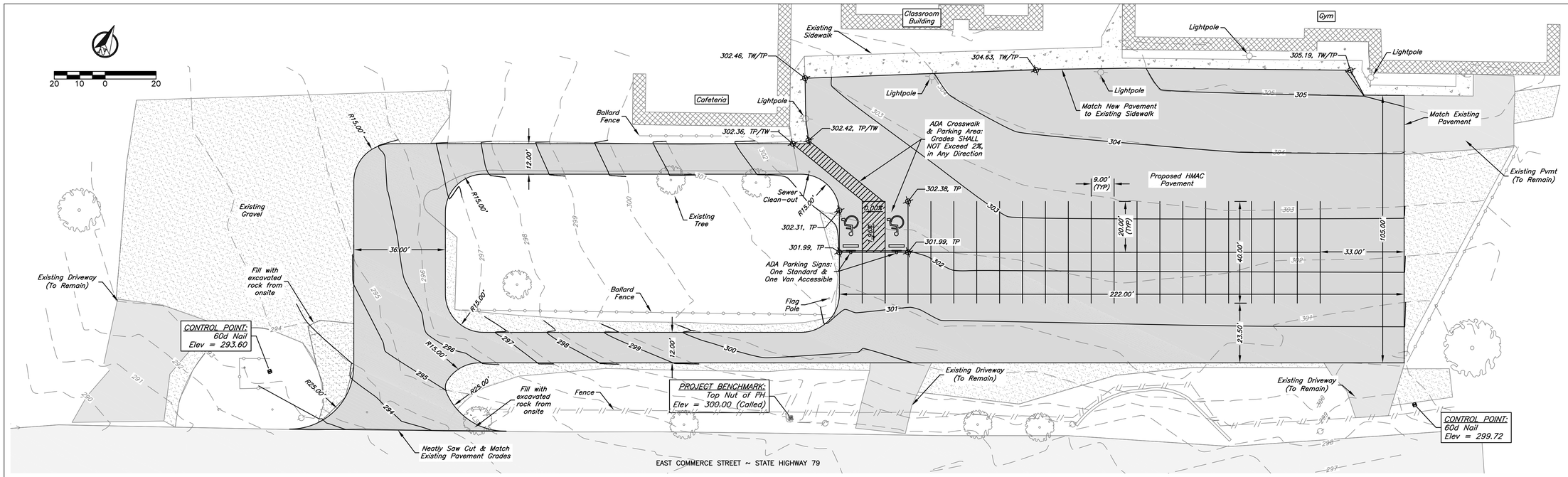
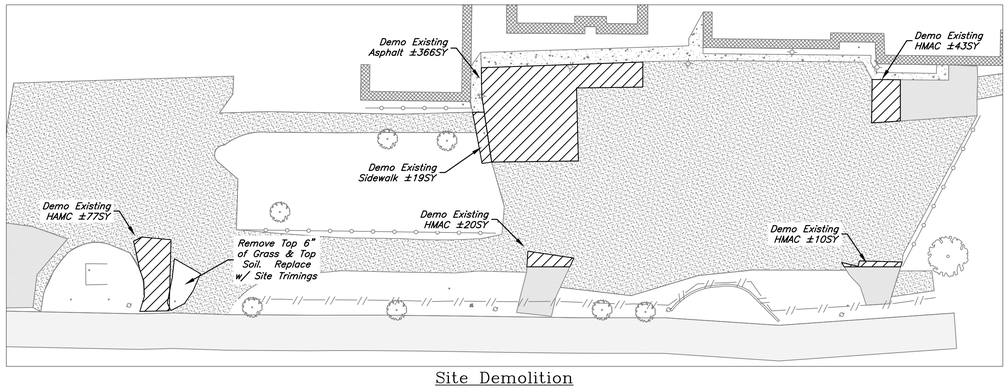
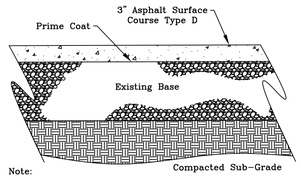


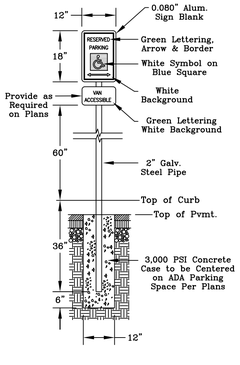

## Site Demolition
N.T.S



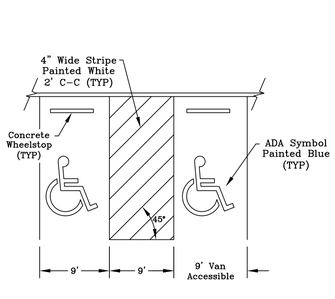

Note:

1. Paving materials and procedures shall meet or exceed requirements set forth in the TxDOT Standard Specifications for Construction of Highways, Streets, and Bridges (current edition).

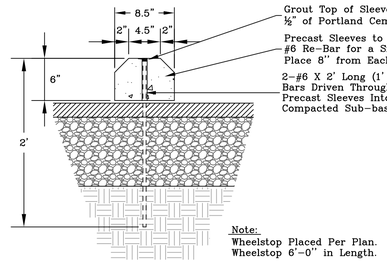
## Typical Asphalt Pavement Section
N.T.S




## ADA Parking Sign
N.T.S




## ADA Pavement Markings
N.T.S




Note:
Wheelstop Placed Per Plan.
Wheelstop 6'-0" in Length.

## Typical Wheelstop Detail
N.T.S

**Paving Notes:**

1. The pavement system shown was designed without the aid of a geotechnical investigation. Due to the plastic soils within this area, some differential movement may still occur due to seasonal soil moisture variations.
2. The contractor shall refer to the TxDOT Standard Specifications for Construction of Highways, Streets, and Bridges (current edition), for all paving construction.
3. Sub-grade
   a. Existing subgrade to remain and shall be re-graded (with minimum disturbance) in preparation for HMAC to meet proposed grades and to eliminate any existing pot poles.
   b. Paving areas shall be proof-rolled with a 20 ton roller and, if required at the time of construction, the contractor shall stabilize weak areas by over excavation and backfilling.
   c. Materials excavated on site, may be used as fill material, under pavement areas only, if the material is free from trash, lumps, clods, organic substance, & other foreign matter.
   d. Fill material shall be placed in eight inch maximum loose lifts, with each lift wetted or dried to a moisture content range of 0% to +3% of the optimum moisture content and compacted to a uniform density of 95% of the maximum dry density as determined by ASTM D698.
4. Asphalt
   a. All asphalt paving shall be hot-mix asphalt cement (HMAC), Type D P64-22, in accordance with TxDOT Item #340.
   b. No more than 20% RAP shall be used the HMAC mix design.
   c. Lime stone base shall be prime coating with RC-250, MC-30, CRS-1P/2P, or approved equal in accordance with TxDOT Item #300 and Item #310.

**Dimensional Control Notes:**

1. All dimensions shown are to be used in conjunction with these plans for locating all improvements and shall be field verified by the contractor for workability prior to construction of improvements.
2. Unless otherwise shown, all dimensioning is to the back of curb or edge of pavement, which ever is applicable.
3. Project Bench Mark: Top of Hydrant Nut-Elevation = 300 (Called)

**Grading Notes:**

1. The contractor shall follow the general intent of the grading plans. Minor adjustments to the actual elevations shown on the grading plan may be required to match existing ground elevations and structures.
2. Adequate drainage shall be maintained at all times during construction and any drainage ditch or structure disturbed during construction shall be restored to existing conditions or better.
3. The approval of these plans is not an authorization to grade adjacent properties. When field conditions warrant off-site grading, permission must be obtained from the affected property owner(s). Any adjacent property and right-of-way disturbed during construction will be returned to there existing conditions or better.

**Erosion Control Notes:**

1. All sediment trapping devices shall be installed as soon as practical after the area has been disturbed. All sediment trapping devices shall be cleaned when sediment level reaches 25% capacity. Sediment shall be disposed of by spreading on site or hauling away if not suitable for fill.
2. During construction, contractor shall maintain best management practice (BMP). Sediment fence, hay bale barriers, or other devices shall control all storm water leaving the site.
3. The contractor shall be responsible for establishing temporary erosion control measures as required for different phases of construction. Erosion control measures shown may need to be adjusted to handle increased or concentrated flows created by various stages of construction.
4. The contractor is responsible for removing sediment control devices after the site has been seeded and/ or sodded, and ground cover has taken root.
5. The contractor shall take all necessary measures to ensure that all disturbed areas are stabilized. Designated areas shall be block sodded and all other areas disturbed due to construction shall be hydro-mulched seeded. These stabilized areas shall be sodded or seeded, fertilized, and watered to establish a solid ground cover within 30 days of completion or if activities cease for 14 days.
6. When hydro-mulching is required, contractor shall keep mulch moist after installation and until area shows growth.
7. Erosion control measures shall be implemented prior to any excavation or demolition work.

**Striping Notes:**

1. Materials and methods for pavement markings shall conform to TxDOT Standard Specifications for Construction of Highways, Streets, and Bridges (current edition), with the following exceptions: 1) Type II marking materials need not be purchased from the Department, and 2) Glass beads may be omitted, but marking material shall be Type II paint-type material.
2. Site preparation and application methods shall conform to manufacturer's recommendations.
3. All striping for parking shall be a minimum of 4" wide of white safety traffic paint designed for such use. All other markings required shall be in compliance with the Texas Manual on Uniform Traffic Control Devices.
4. All ADA parking lot striping shall conform with the Texas Accessibility Standards (TAS).

## Legend

Line Types

- 368 — Proposed Contour, Elevation Noted
- 368 — Existing Contour, Elevation Noted
- Existing Chain Link Fence
- Existing Fence

Symbols

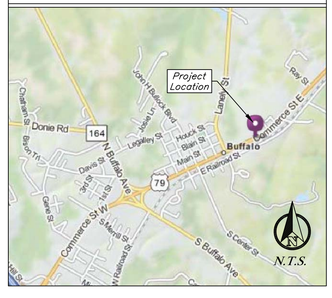
- Hydrant
- Power Pole
- Water Valve
- Sewer Clean-Out
- Light Pole
- Sign

Abbreviations

TW – Top of Sidewalk

TP – Top of Pavement

## Vicinity Map




# Pavement Plan

*General Notes:*

1. All utilities shown are taken from the best available information. Shown positions may not represent as-built conditions.
2. The contractor shall be responsible for verifying the exact location of all existing underground utilities, whether shown on these plans or not. Notification of the utility companies 48 hours in advance of construction is required.
3. The contractor shall be responsible for the containment and proper disposal of all liquid and solid waste associated with the project and shall use all means necessary to prevent the occurrence of wind blown litter.
4. The contractor shall protect all monuments, iron pins, and property corners during construction.
5. The contractor shall not create a dirt nuisance or safety hazard in any street or driveway. Pavement shall be cleaned daily.
6. Adequate drainage shall be maintained at all times during construction.
7. The contractor agrees to repair any damage to the public right-of-way in accordance with the standards of the applicable regulatory agency.

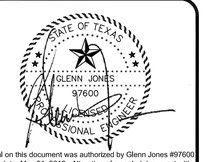
Owner Name and Address:

Buffalo Independent School District
708 Cedar Creek Rd. - Buffalo, Texas 78531

Firm Name and Address:

J4 Engineering
PO Box 5192 - Bryan, Texas - 77805
979-739-0567 www.J4Engineering.com
Firm# 9951

Seal:




The seal on this document was authorized by Glenn Jones #97600 on this date, May 21, 2012. Alteration of a sealed document without out proper notification to the responsible engineer is an offense under the Texas Engineering Practice Act.

| No. | Revision/Issue | Date |
|---|---|---|
| | | |
| | | |
| | | |
| | | |
| 1 | Release for Construction | 05/21/12 |

Project Name:

Buffalo ISD Elementary School Parking Improvements

1700 East Commerce Street
Buffalo, Texas 78531-3944

| Date: | Sheet: |
|---|---|
| May 2013 | C1 |
| Scale: As Noted | |

J4E Project # 13-005 | 05/21/2013 | Buffalo ISD Parking Lot.dwg | J4 Engineering