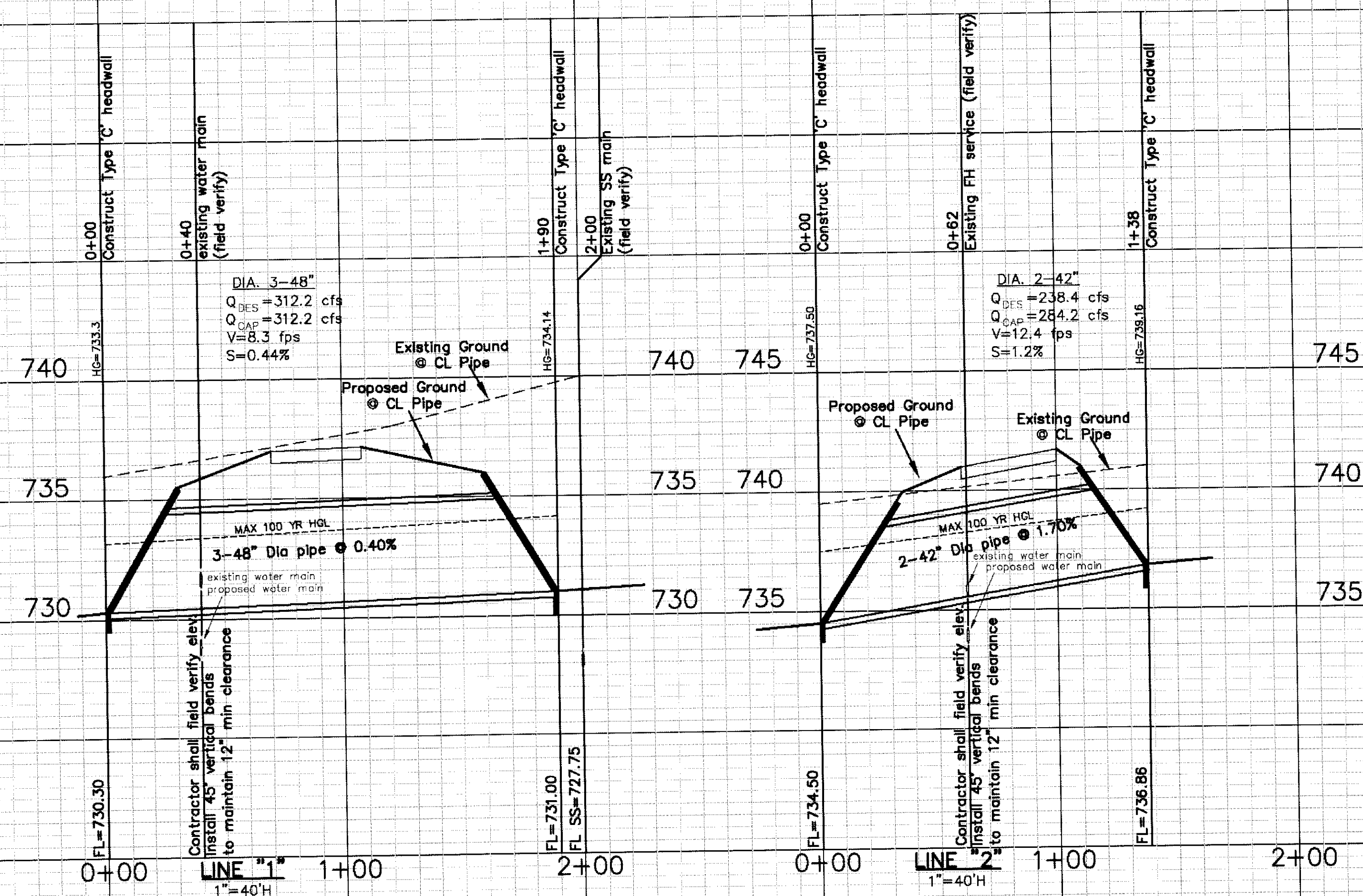
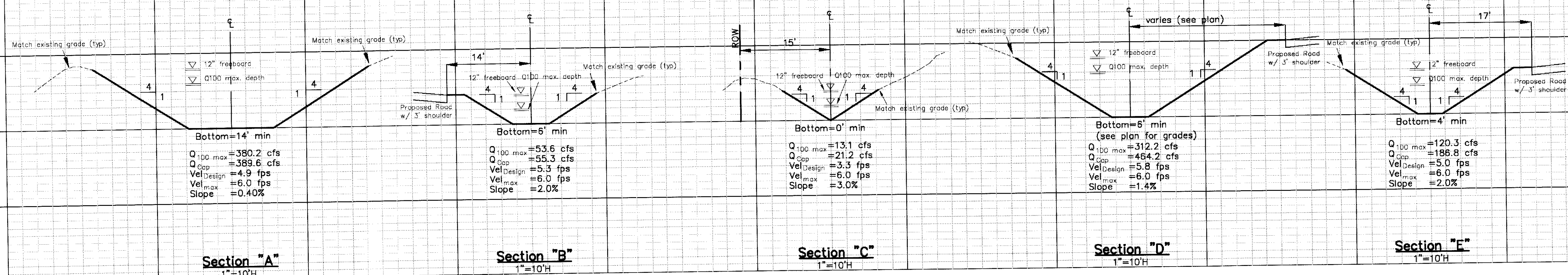


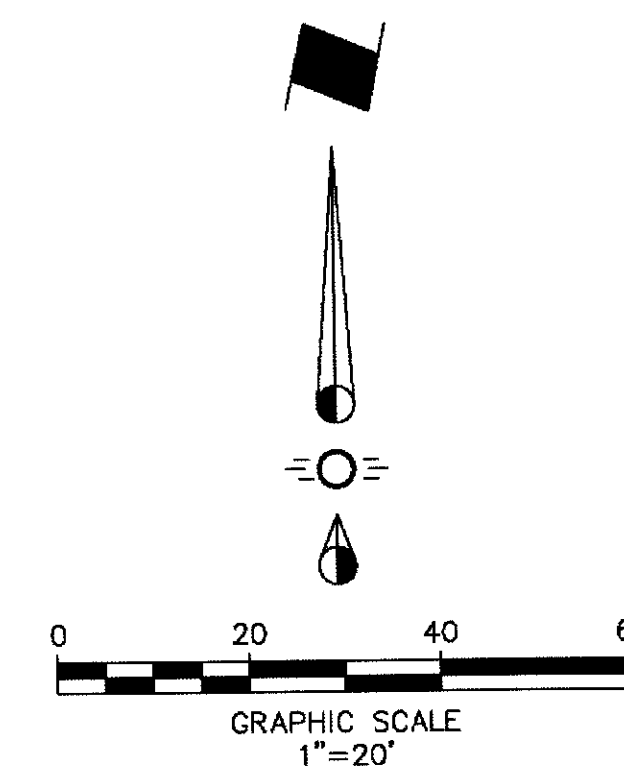


BENCHMARKS
Contractor shall coordinate with Dumas Land Surveying
to identify location of site benchmarks



Barnett Industrial Park

DRAINAGE PROFILES
CITY OF CLEBURNE
JOHNSON COUNTY, TEXAS
ORACLE ENGINEERING
7012 Linsley Avenue
Dallas, Texas 75223
TEL: (214) 321-1436
matt.kostia@oracle.net



GENERAL NOTES

1. All materials and construction shall conform to the City of Cleburne's Standards and Specifications except as noted herein or by the City. Where standard items are mentioned, they are to be constructed per the City Standard Details. If the City does not have a detail, TxDOT details shall be used.
2. All storm sewer pipe labeled "RCP" shall be Class III RCP.
3. All storm sewer pipe labeled "ADS" shall be ADS N12 pipe or approved equal.
4. Contractor shall be responsible for maintaining trench safety requirements in accordance with City Standards, Texas State Law, and O.S.H.A. Standards for all excavation in excess of five feet in depth.
5. Construction shall begin at downstream end of project and continue upstream with pipe grooves facing upstream.
6. Contractor shall protect all public utilities in the construction of this project.
7. The location of all utilities indicated on these plans are taken from existing public records. The exact location and elevation of all public utilities must be determined by the Contractor. It shall be the duty of the Contractor to ascertain whether any additional facilities other than those shown on the plans may be present.
8. Storm sewer embedment shall be installed and compacted per the manufacturer's specifications.
9. Traffic Barricades will be required for Paving and Storm Sewer construction within the Public Right-Of-Way. Barricades shall conform to the installation shown in the current version of the Manual of Uniform Traffic Control Devices.

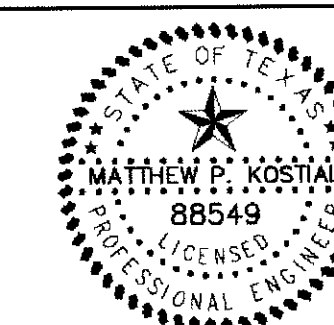
CURVE TABLE							
CURVE	DELTA	LENGTH	RADIUS	CH DIRECTION	CH LENGTH	PC STA	PT STA
CV-1	25°00'00"	87.26	200.00	N62°31'56"E	86.58	0+12	1+00

LOT 12

NOTE

1. Boundary information from the Final Plat prepared by Dumas Land Surveying.
2. Topographic information from the Preliminary Plat prepared by Dumas Land Surveying.
3. Site Improvements from City Approved CD's prepared by Zwingl Engineering.

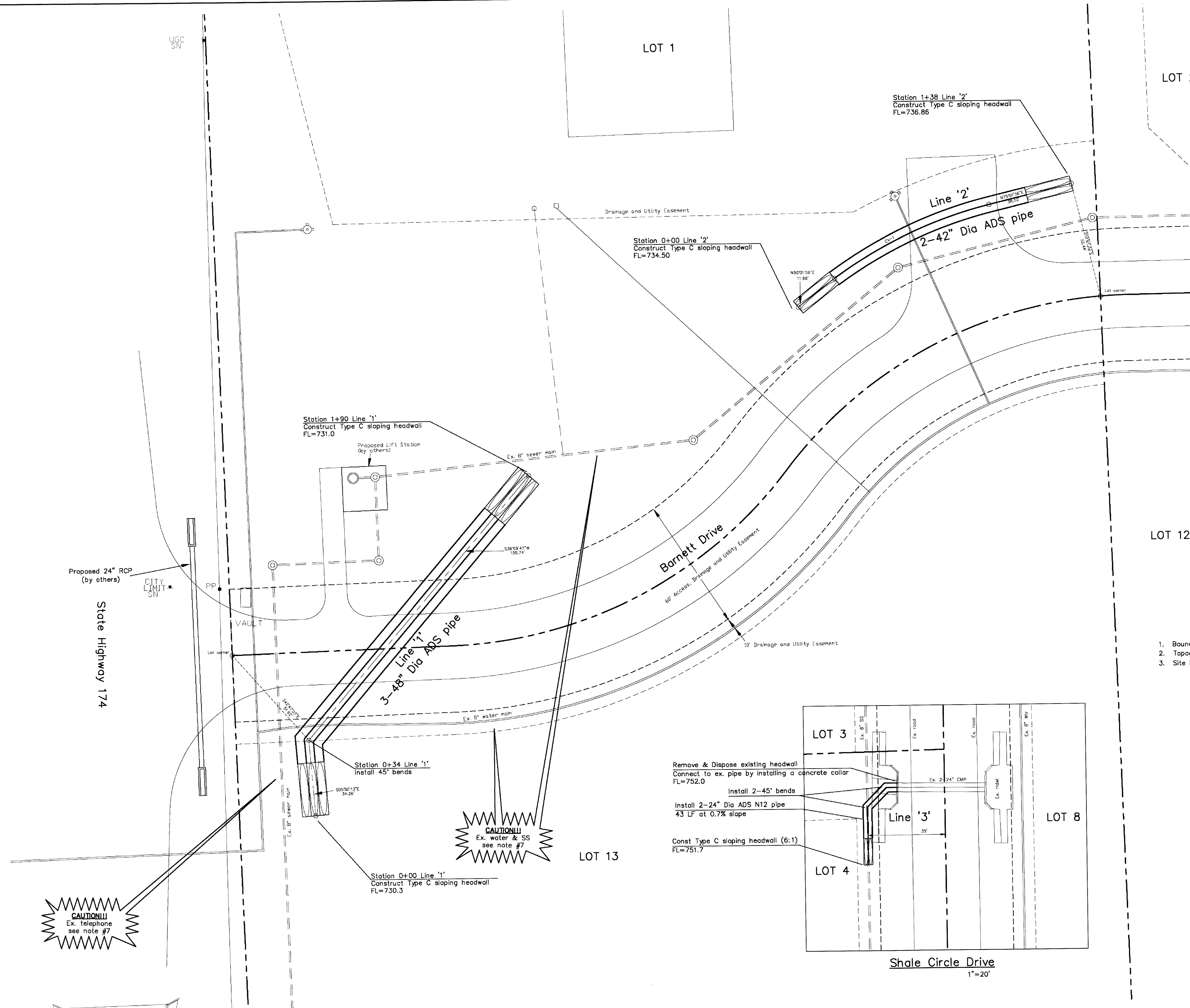
BENCHMARKS
Contractor shall coordinate with Dumas Land Surveying to identify location of site benchmarks

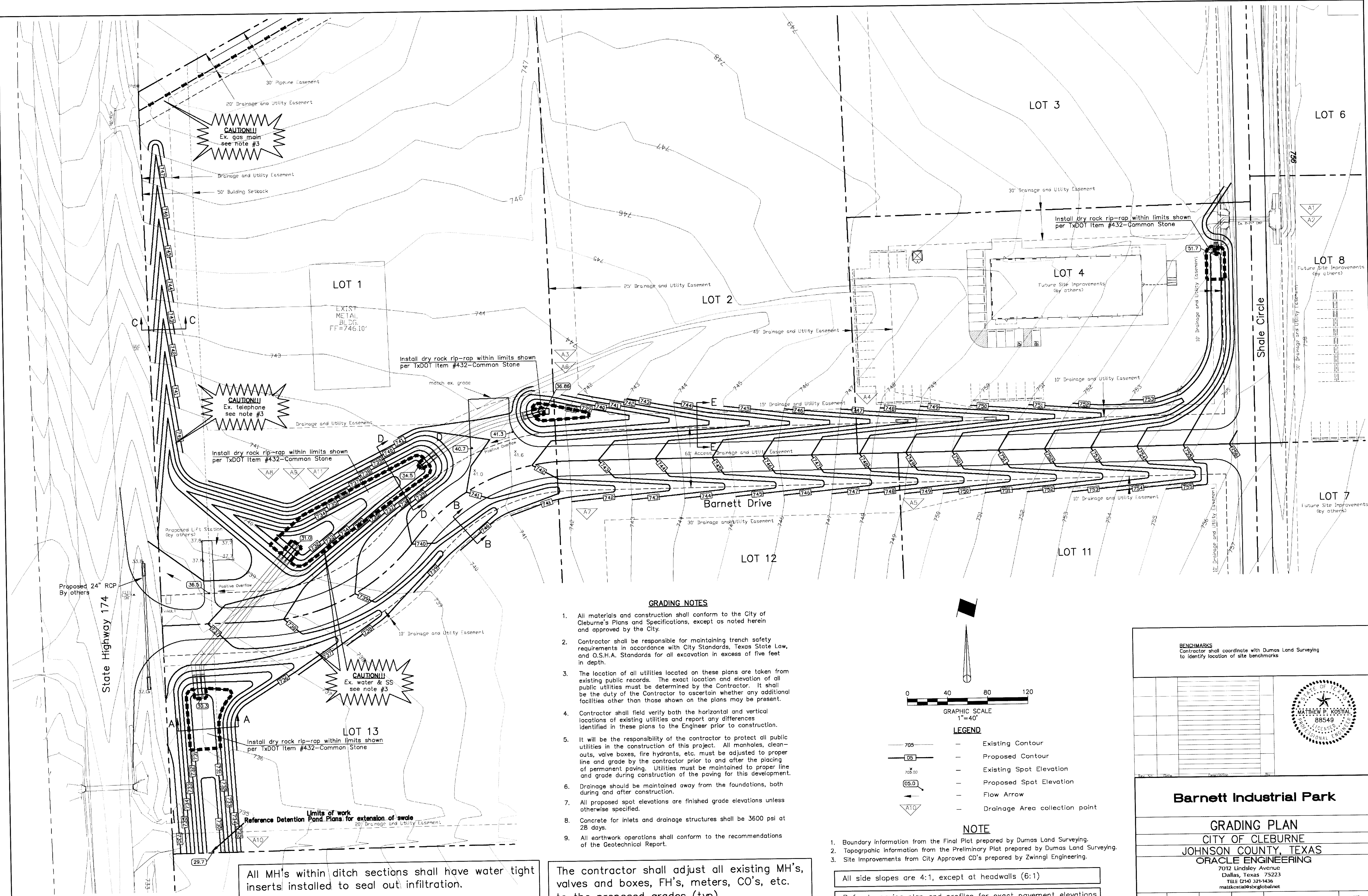


Barnett Industrial Park

DRAINAGE PLAN
CITY OF CLEBURNE
JOHNSON COUNTY, TEXAS
ORACLE ENGINEERING
7012 Lindsley Avenue
Dallas, Texas 75223
TELE (214) 321-1436
matkostial@sbcbglobal.net

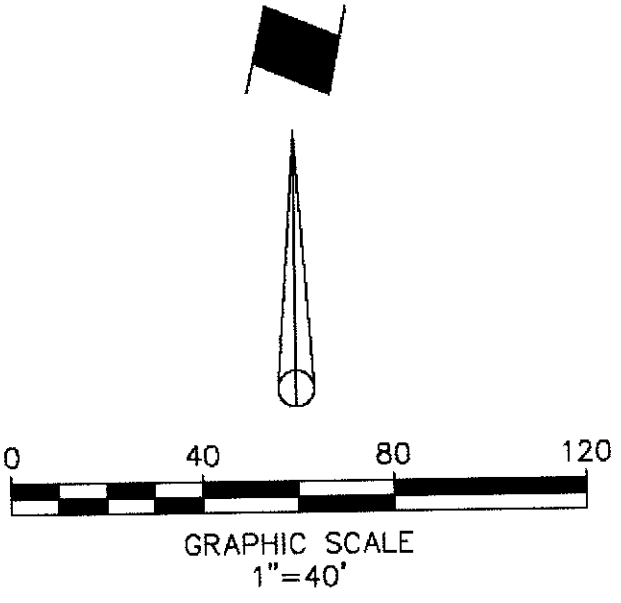
DESIGN	DRAWN	DATE	SCALE	FILE	NO.
MPK	MPK	06/08	1"=20'	—	C2





GRADING NOTES

- 1. All materials and construction shall conform to the City of Cleburne's Plans and Specifications, except as noted herein and approved by the City.
- 2. Contractor shall be responsible for maintaining trench safety requirements in accordance with City Standards, Texas State Law, and O.S.H.A. Standards for all excavation in excess of five feet in depth.
- 3. The location of all utilities located on these plans are taken from existing public records. The exact location and elevation of all public utilities must be determined by the Contractor. It shall be the duty of the Contractor to ascertain whether any additional facilities other than those shown on the plans may be present.
- 4. Contractor shall field verify both the horizontal and vertical locations of existing utilities and report any differences identified in these plans to the Engineer prior to construction.
- 5. It will be the responsibility of the contractor to protect all public utilities in the construction of this project. All manholes, clean-outs, valve boxes, fire hydrants, etc. must be adjusted to proper line and grade by the contractor prior to and after the placing of permanent paving. Utilities must be maintained to proper line and grade during construction of the paving for this development.
- 6. Drainage should be maintained away from the foundations, both during and after construction.
- 7. All proposed spot elevations are finished grade elevations unless otherwise specified.
- 8. Concrete for inlets and drainage structures shall be 3600 psi at 28 days.
- 9. All earthwork operations shall conform to the recommendations of the Geotechnical Report.



LEGEND

- 705 — Existing Contour
- 05 — Proposed Contour
- 705.00 — Existing Spot Elevation
- 05.00 — Proposed Spot Elevation
- Flow Arrow — Flow Arrow
- AT0 — Drainage Area collection point

NOTE

- 1. Boundary information from the Final Plat prepared by Dumas Land Surveying.
- 2. Topographic information from the Preliminary Plat prepared by Dumas Land Surveying.
- 3. Site Improvements from City Approved CD's prepared by Zwingli Engineering.

All side slopes are 4:1, except at headwalls (6:1)

Refer to paving plan and profiles for exact pavement elevations

BENCHMARKS
Contractor shall coordinate with Dumas Land Surveying to identify location of site benchmarks



Barnett Industrial Park

GRADING PLAN
CITY OF CLEBURNE
JOHNSON COUNTY, TEXAS
ORACLE ENGINEERING

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matkostal@bcbglobal.net

DESIGN	DRAWN	DATE	SCALE	FILE	NO.
MPK	MPK	06/08	1"=40'	—	C1

All MH's within ditch sections shall have water tight inserts installed to seal out infiltration.

The contractor shall adjust all existing MH's, valves and boxes, FH's, meters, CO's, etc. to the proposed grades (typ)