ENGINEERING PLANS

COTTON MILL - PARKING EXPANSION

City of McKinney, Texas

Index Of Drawings

Cover Sheet

Minor Plat

SP Site Plan

GN City of McKinney General Notes

) | Demolition Plan

C 2 Paving Plan

C 3 Grading Plan

C 4 Drainage Plan

C 5 Detention

C 6 Erosion Control Plan

C 7 Construction Details
TS Tree Survey

L-1 Tree Preservation Plan

L-2 Landscape Plan

COM Pedestrian Facilities Curb Ramps COM Pedestrian Facilities Curb Ramps PARK CIR.

FOREST LIN JEFFERSON ST.

GERRISH ST.

GRAHAM ST.

ANDERSON ST.

ANDERSON ST.

ANDERSON ST.

ANDERSON ST.

ANDERSON ST.

ANDERSON ST.

BURNUS ST.

GRAHAM ST.

ANDERSON ST.

BURNUS ST.

GRAHAM ST.

ANDERSON ST.

BURNUS ST.

GRAHAM ST.

ANDERSON ST.

GRAHAM ST.

ANDERS

Prepared For Cotton Mill

610 Elm St. #120 McKinney, Texas 75069

Engineer

CROSS ENGINEERING CONSULTANTS

131 S. Tennessee St. 972.562.4409

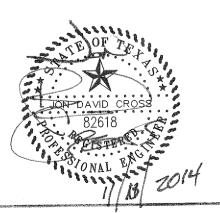
McKinney, Texas 75069 Texas P.E. Firm No. F-5935 EXHIBIT B

CITY OF MCKINNEY ENGINEERING DEPARTMENT RELEASED FOR CONSTRUCTION 11/14/14 BY A Manual Control of the Control

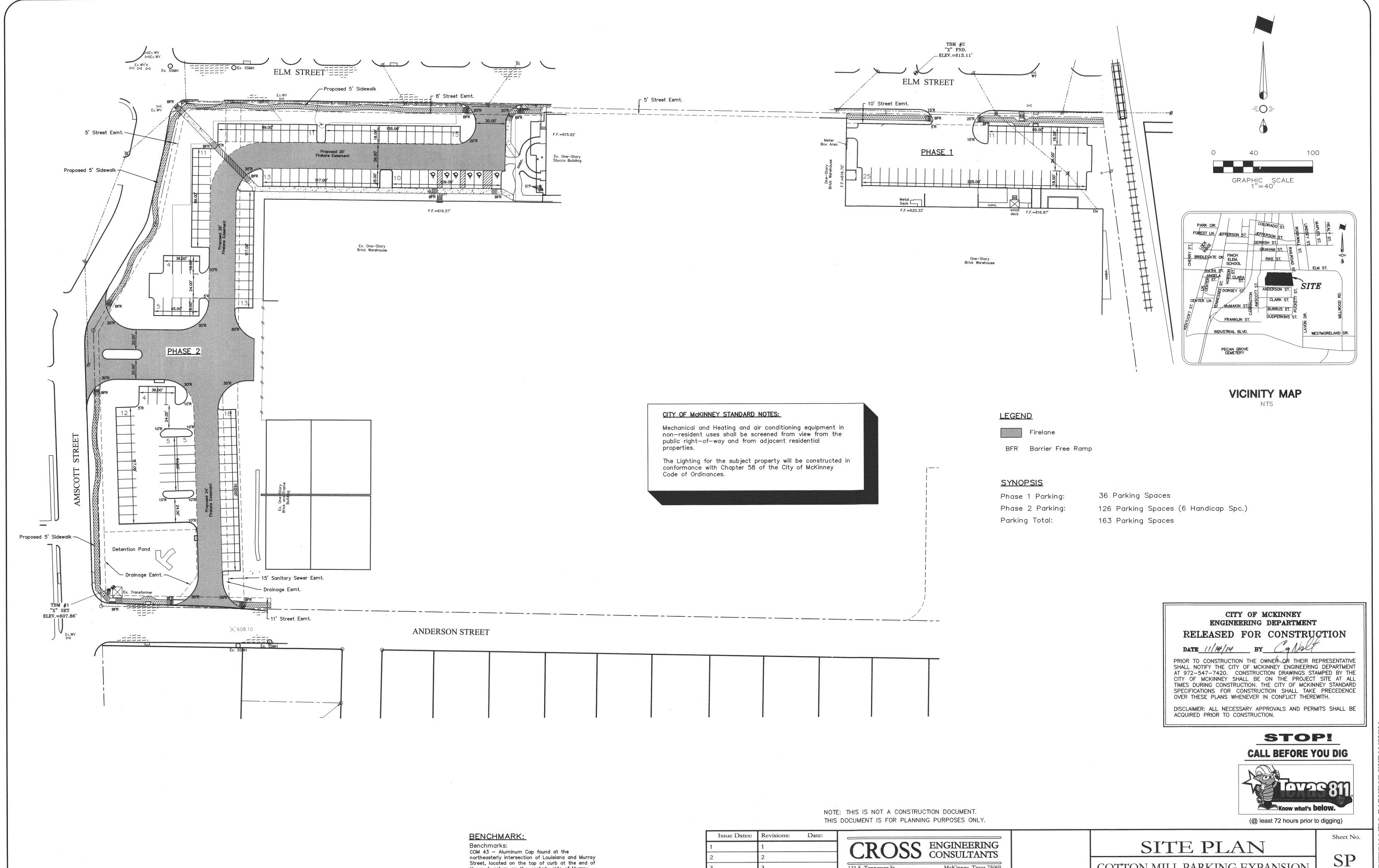
PRIOR TO CONSTRUCTION THE OWNER OR THEIR REPRESENTATIVE SHALL NOTIFY THE CITY OF MCKINNEY ENGINEERING DEPARTMENT AT 972-547-7420. CONSTRUCTION DRAWINGS STAMPED BY THE CITY OF MCKINNEY SHALL BE ON THE PROJECT SITE AT ALL TIMES DURING CONSTRUCTION. THE CITY OF MCKINNEY STANDARD SPECIFICATIONS FOR CONSTRUCTION SHALL TAKE PRECEDENCE OVER THESE PLANS WHENEVER IN CONFLICT THEREWITH.

DISCLAIMER: ALL NECESSARY APPROVALS AND PERMITS SHALL BE ACQUIRED PRIOR TO CONSTRUCTION.

ISSUE DATES:	REVISIONS:	DATE BY
5/30/2014		
6/18/2014		
8/26/2014		
11/03/2014		
11/07/2014		
700		







the curb return on the easterly side of Murray Street, north of Louisiana. Elev.=586.464

TBM-1 "X" Set, Elevation = 607.86'

TBM-2 "X" Set, Elevation = 613.11'

COTTON MILL PARKING EXPANSION

Casey International City of McKinney, Texas

McKinney, Texas 75069

Texas P.E. Firm No. F-5935

Scale:

1'' = 40'

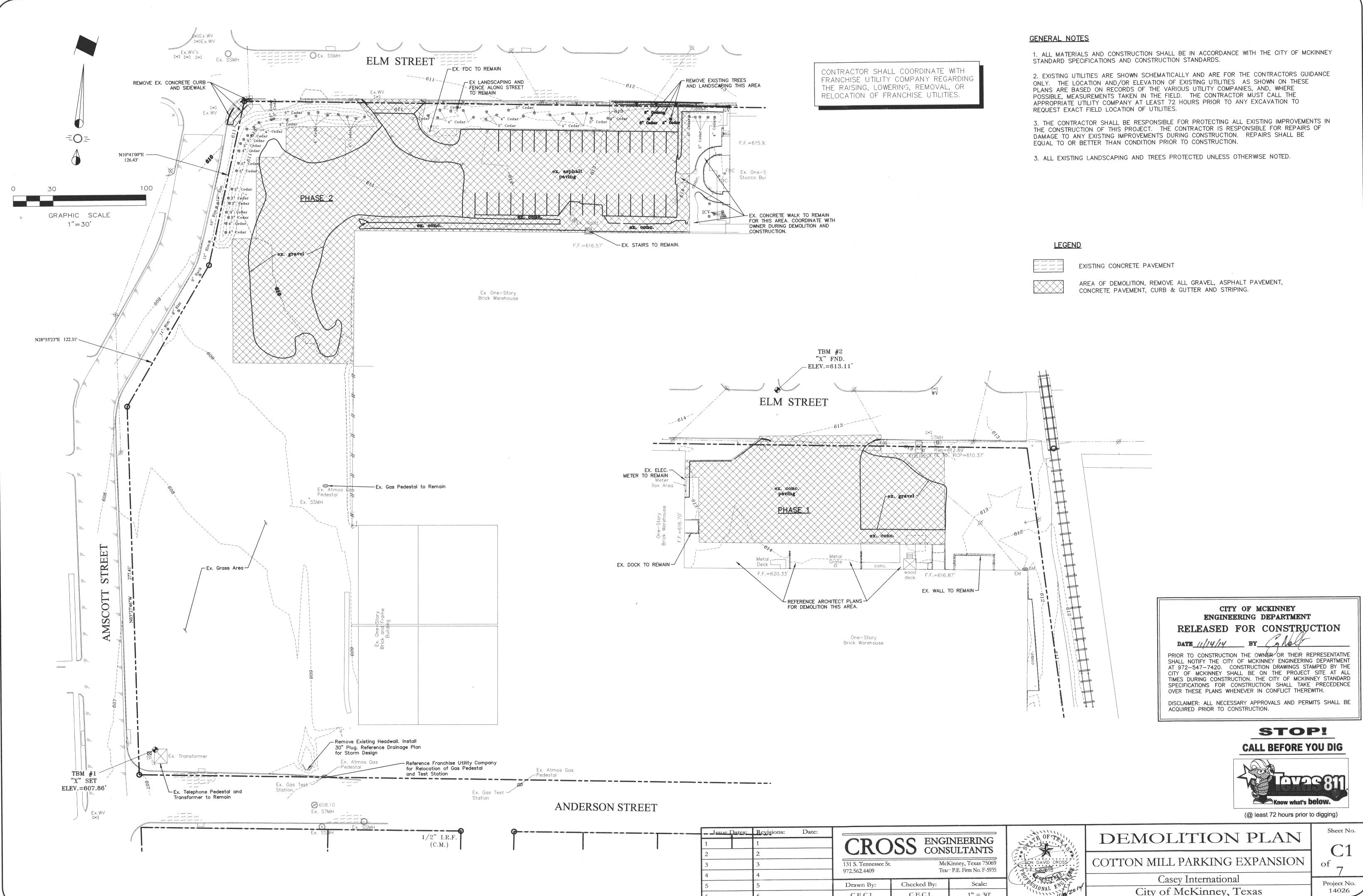
Checked By:

131 S. Tennessee St.

972.562.4409

Drawn By:

Project No. 14026



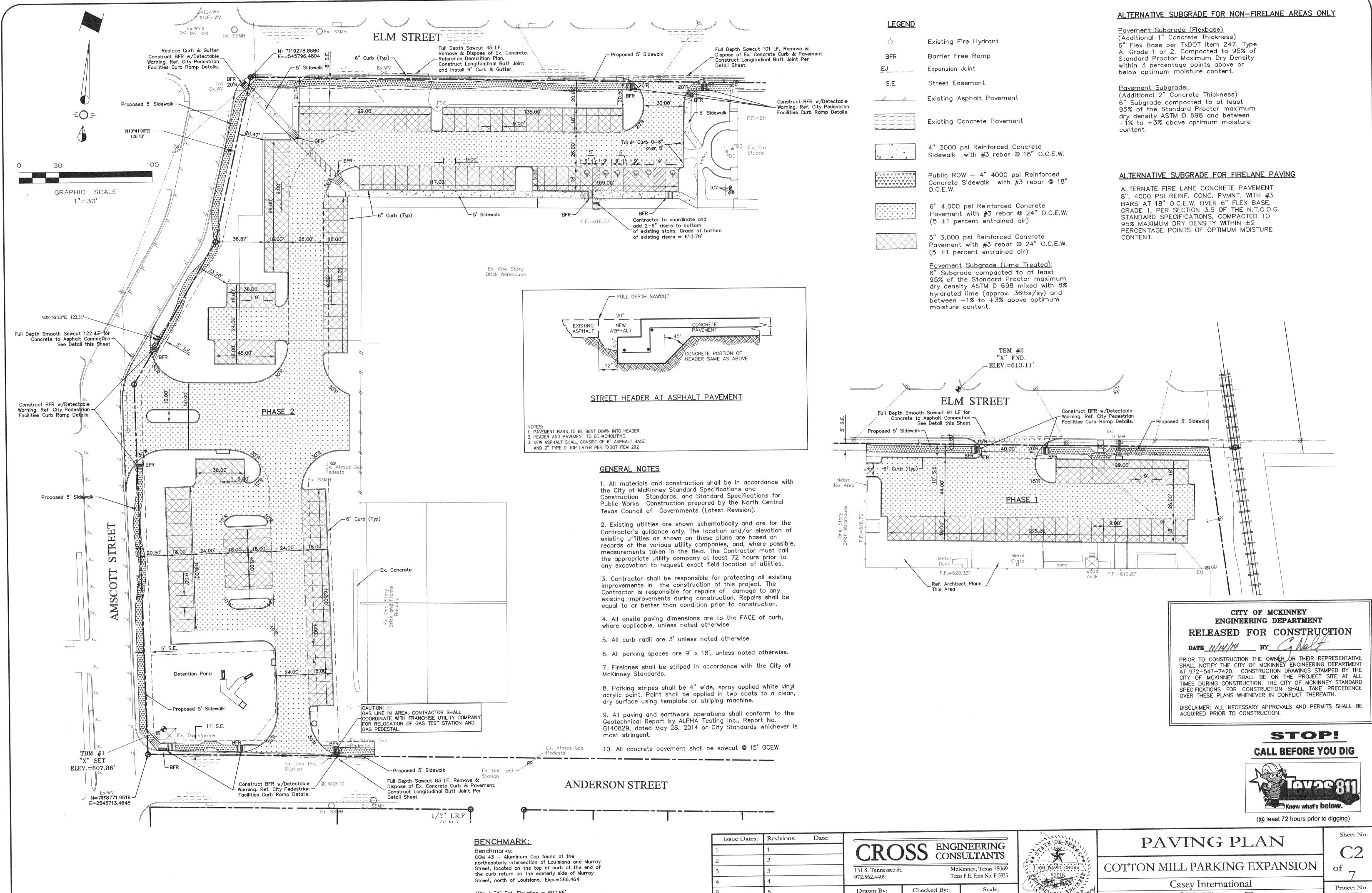
Project No.

14026

C.E.C.I.

1" = 30'

City of McKinney, Texas



TBM-1 "X" Set, Elevation = 607.86'

TBM-2 "X" Set, Elevation = 613.11'

City of McKinney, Texas

1" = 30'

C.E.C.I.

14026

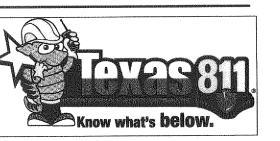
- contractors guidance only. The location and/or elevation of records of the various utility companies, and, where possible, measurements taken in the field. The contractor must call the appropriate utility company at least 72 hours prior to any
- existing improvements in the construction of this project. The contractor is responsible for repairs of damage to any existing improvements during construction. Repairs shall be equal to

- elevations. Contractor to allow for seeding or sodding of

CITY OF MCKINNEY ENGINEERING DEPARTMENT RELEASED FOR CONSTRUCTION

SHALL NOTIFY THE CITY OF MCKINNEY ENGINEERING DEPARTMENT AT 972-547-7420. CONSTRUCTION DRAWINGS STAMPED BY THE CITY OF MCKINNEY SHALL BE ON THE PROJECT SITE AT ALL TIMES DURING CONSTRUCTION. THE CITY OF MCKINNEY STANDARD SPECIFICATIONS FOR CONSTRUCTION SHALL TAKE PRECEDENCE OVER THESE PLANS WHENEVER IN CONFLICT THEREWITH.

STOP



(@ least 72 hours prior to digging)

the curb return on the easterly side of Murray Street, north of Louisiana. Elev.=586.464

		-	Elevation			
3M-2	"X"	Set,	Elevation	-	613.11	

Issue Dates:	Revisions: D	Date:					
	1		CRO	G. TORROS. TORROS.		NEERING	
2	2		UILU	OU C	ONS	ULTANTS	
3			131 S. Tennessee St.		McKinney, Texas 75069		
1	4		972.562.4409 Texas P.E.		s P.E. Firm No. F-5935		
<u> </u>	T ₅		Drawn By:	Checked E	3v: ¥	Scale:	

C.E.C.I.



COTTON MILL PARKING EXPANSION

Casey International City of McKinney, Texas Project No. 14026

Sheet No.

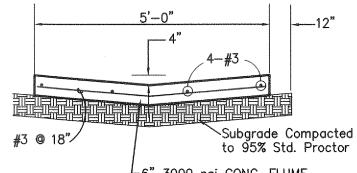
Street, north of Louisiana. Elev.=586.464

TBM-1 "X" Set, Elevation = 607.86'

TBM-2 "X" Set, Elevation = 613.11'

- 1. All materials and construction shall be in accordance with the City of McKinney Standard Specifications and Construction Standards, and Standard Specifications for Public Works Construction prepared by North Central Texas Council of
- 2. Existing utilities are shown schematically and are for the contractors guidance only. The location and/or elevation of existing utilities as shown on these plans are based on records of the various utility companies, and, where possible, measurements taken in the field. The contractor must call the appropriate utility company at least 72 hours prior to any excavation to request exact field location of utilities.
- 3. The contractor shall be responsible for protecting all existing improvements in the construction of this project. The contractor is responsible for repairs of damage to any existing improvements during construction. Repairs shall be equal to or
- 4. All storm sewer pipe 18" and larger shall be Class III RCP. All storm sewer pipe 15" and smaller shall be PVC drainage
- requirements in accordance with the latest standards of O.S.H.A. or any other agency having jurisdiction for excavation and trenching procedures. Contractor shall provide and implement a trench safety plan complying with O.S.H.A.

A - Drainage Area Number



CONCRETE PILOT CHANNEL

ENGINEERING DEPARTMENT RELEASED FOR CONSTRUCTION

DATE 4/14/14 BY CANALI

PRIOR TO CONSTRUCTION THE OWNER OR THEIR REPRESENTATIVE SHALL NOTIFY THE CITY OF MCKINNEY ENGINEERING DEPARTMENT AT 972-547-7420. CONSTRUCTION DRAWINGS STAMPED BY THE CITY OF MCKINNEY SHALL BE ON THE PROJECT SITE AT ALL TIMES DURING CONSTRUCTION. THE CITY OF MCKINNEY STANDARD SPECIFICATIONS FOR CONSTRUCTION SHALL TAKE PRECEDENCE OVER THESE PLANS WHENEVER IN CONFLICT THEREWITH.

DISCLAIMER: ALL NECESSARY APPROVALS AND PERMITS SHALL BE

STOP



(@ least 72 hours prior to digging)

of

Sheet No.

Casey International

ONAL

Texas P.E. Firm No. F-5935

Scale:

1'' = 30'

Checked By:

C.E.C.I.

972.562.4409

Drawn By:

C.E.C.I.

Project No. City of McKinney, Texas 14026

2. The storm water pollution prevention plan should address three

STORMWATER POLLUTION PREVENTION NOTES

1. It is the intent of the information provided on this sheet to be used as the general guidelines of the storm water

a) diversion of upslope water around disturbed areas of the site;

b) limit the exposure of disturbed areas to the shortest duration possible; and

c) removal of sediment from storm water before it leaves the site.

3. The contractor shall have the storm water pollution prevention plan available onsite.

4. The contractor must amend plans whenever there is a change in design, construction, operation, or maintenance of the plan, or when the existing plan proves ineffective. Modifications including design and all additional materials and work shall be accomplished by the contractor at no additional expense to the owner.

5. Stabilization measures are to be inspected at a minimum of once every 7 days and within 24 hours after any storm event greater than .05 inches. Repairs and inadequacies revealed by the inspection must be implemented within 1 calendar day following the inspection. Rain gauge shall be placed on—site to measure and record.

6. An inspection report that summarizes inspection activities and implementation of the storm water pollution prevention plan shall be retained and made part of the plan.

7. All contractors and subcontractors identified in the plan must certify as to an understanding of the npdes general permit before conducting any activity identified in the pollution prevention plan.

8. The contractor shall adopt appropriate construction site management practices to prevent the discharge of oils, grease, paints, gasoline, and other pollutants to storm water. Appropriate practices

Designating areas for equipment maintenance and repair; regular collection of wastes; conveniently located waste receptacles; and designating and controlling equipment washdown.

9. The contractor shall amend or modify this plan as required by construction means, methods, and sequence. Modifications shall not compromise the intent of the requirements of the law and this plan. Modifications shall not be basis for additional cost to the owner.

10. Areas of construction elsewhere on the jobsite shall conform to the detail shown on the plans.

11. Borrow areas, if excavated, shall be protected and stabilized utilizing the plan details. All work shall conform to governmental requirements and become part of the storm water pollution prevention plan (swp3). This work shall be done by the contractor at no additional expense to the

12. All non-paved areas shall be mulched and seeded with erosion protection immediately upon completion of final grading. This includes all ditches and embankments. The contractor shall maintain final grading and keep seeded areas watered until fully established and accepted by

13. The contractor shall construct a stabilized construction entrance/exit at all traffic entrance/exit points prior to exiting onto any paved roadway.

14. The contractor shall construct a silt fence at all locations shown on plans. The silt fence shall be constructed as detailed this sheet.

15. All disturbed ground areas shall be re-vegetated with a combination of perennial rye and bermuda, upon completion of final

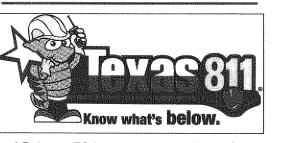
16. Contractor shall provide Curlex Matting in all areas with 4:1 slope and in all earthen swales.

CITY OF MCKINNEY ENGINEERING DEPARTMENT RELEASED FOR CONSTRUCTION

PRIOR TO CONSTRUCTION THE OWNER OR THEIR REPRESENTATIVE SHALL NOTIFY THE CITY OF MCKINNEY ENGINEERING DEPARTMENT AT 972-547-7420. CONSTRUCTION DRAWINGS STAMPED BY THE CITY OF MCKINNEY SHALL BE ON THE PROJECT SITE AT ALL TIMES DURING CONSTRUCTION. THE CITY OF MCKINNEY STANDARD SPECIFICATIONS FOR CONSTRUCTION SHALL TAKE PRECEDENCE OVER THESE PLANS WHENEVER IN CONFLICT THEREWITH.

DISCLAIMER: ALL NECESSARY APPROVALS AND PERMITS SHALL BE ACQUIRED PRIOR TO CONSTRUCTION.

STOPE **CALL BEFORE YOU DIG**



(@ least 72 hours prior to digging)

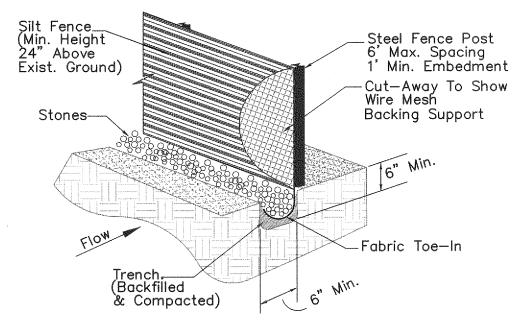
EROSION CONTROL PLAN

COTTON MILL PARKING EXPANSION

Casey International

City of McKinney, Texas

60 100 200 SILT FENCE GRAPHIC SCALE ELM STREET ELM STREET N80°1576°5 92437 EX. FNL FLOOR = 616.70 PHASE 1 INLET PROTECTION EX FM FLOOR = 620.35 EX. FIX. FLOOR = 818.67 EX. FIN. FLOOR = 618.57 STOCKRILE AREA INLET PROTECTION COTTON MILL PARTNERS, LTD.
Vol. 5703, Pg. 5399,
D.R.C.C.T. CONCRETE WASH PIT 12.162 Acres REF. NCTCOG ISWM MANUAL SECTION 4.3 EX. BARN FOL FLOOR = ±500.8 CAUTION! Existing Utilities in Area. Contractor to determine location and elevation of all utilities prior to construction. Contractor to inform Engineer of any conflicts prior to construction. INLET PROTECTION Pedestol September of the contract of the cont 5/8" C.I.R.F.
"COTTON SURVEYIN Lot 18 Lot 10 Lot 9 Lot 16 Dr. Shing Mao Lot 15 Lot 14 Lot 11 Lot 8 Lot 6 Lot 5 5/8" C.I.R.F. 'COTTON SURVEYING"



CONSTRUCTION

DETENTION POND

W/CURLEX MATTING REF. NOTE 16

50.0

Existing Grade

Profile View

Grade to prevent runoff

from leaving site

Grade to drain away

from stabilized and

Drainage must flow

away from entrance.

street paved surface.

Filter Fabric

ENTRANCE

SILT FENCE DETAIL

SILT FENCE CONSTRUCTION NOTES

1. Steel posts which support the silt fence shall be installed on a slight angle toward the anticipated runoff source. The post must be embedded a minimum of one foot.

2. The toe of the silt fence shall be trenched in with a spade or mechanical trencher, so that the downslope face of the trench is flat and perpendicular to the line of flow. Where fence cannot be trenched in (e.g. pavement), weight fabric flap with washed gravel on the uphill side to prevent flow under fence.

3. The trench must be a minimum of 6 inches deep and 6 inches wide to allow for the silt fence fabric to be laid in the ground and backfilled with compacted material.

4. Silt fence shall be securely fastened to each steel support post or to woven wire, which is in turn attached to the steel support post. There shall be a 6 inch double overlap, securely fastened where ends of fabric meet.

5. Inspection shall be made weekly or after each rainfall. Repair or replacement shall be made promptly as needed.

6. Silt fence shall be removed when the site is completely stabilized so as not to block or impede storm flow or drainage.

7. Accumulated silt shall be removed when it reached a depth of 6 inches. The silt shall be disposed of at an approved site and in such a manner as to not contribute to additional siltation.

NOTES:

Paved Surface

Transition to

paved surface.

STABILIZED CONSTRUCTION ENTRANCE/EXIT

1. Stone shall be 3 to 5 inch diameter rock or stone.

2. When necessary, vehicles shall be cleaned to remove sediment prior to entrance onto a public roadway. When washing is required, it shall be done on a area stabilized with stone with drainage flowing away form both the street and the stabilized entrance. All sediment shall be prevented from entering any storm drain, ditch or watercourse using approved methods.

3. The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto paved surfaces. This may require periodic top dressing with additional stone as conditions demand. All sediment spilled, dropped, washed or tracked onto paved surfaces, must be removed immediately.

4. The entrance must be properly graded or incorporate a drainage swale to prevent runoff from leaving the construction site.

(2004) items 162& 164. Remove all erosion control devices from TxDot R.O.W. upon establishment of 70% vegatative cover inside TxDot R.O.W.

PHASING 1. INSTALL SILT FENCE AND CONSTRUCTION ENTRANCE/EXIT 2. INSTALL INLET PROTECTION WHEN INLETS AND PAVING ARE COMPLETE.

3. REMOVE SILT FENCE AT PAVING CONNECTION POINTS FOR DRIVE CONNECTIONS.

4. REMOVE CONSTRUCTION ENTRANCE/EXIT AFTER ALL INTERIOR CONSTRUCTION IS COMPLETE AND POUR ENTRY PAVING.

5. REMOVE SILT FENCE AND INLET PROTECTION WHEN PERMANENT BMP'S ARE IN PLACE.

LEGEND

SILT FENCE

INLET PROTECTION

TEMPORARY

CONSTRUCTION ENTRANCE/EXIT

5. Revegetate TxDot R.O.W. per TxDot spec. book

BENCHMARK:

Benchmarks: COM 43 - Aluminum Cap found at the northeasterly intersection of Louisiana and Murray Street, located on the top of curb at the end of the curb return on the easterly side of Murray Street, north of Louisiana. Elev.=586.464

TBM-1 "X" Set, Elevation = 607.86" TBM-2 "X" Set, Elevation = 613.11' Issue Dates: Revisions: Date: CROSS ENGINEERING CONSULTANTS 131 S. Tennessee St. McKinney, Texas 75069 972.562.4409 Texas P.E. Firm No. F-5935 Checked By: Drawn By: Scale:

C.E.C.I.

C.E.C.I.

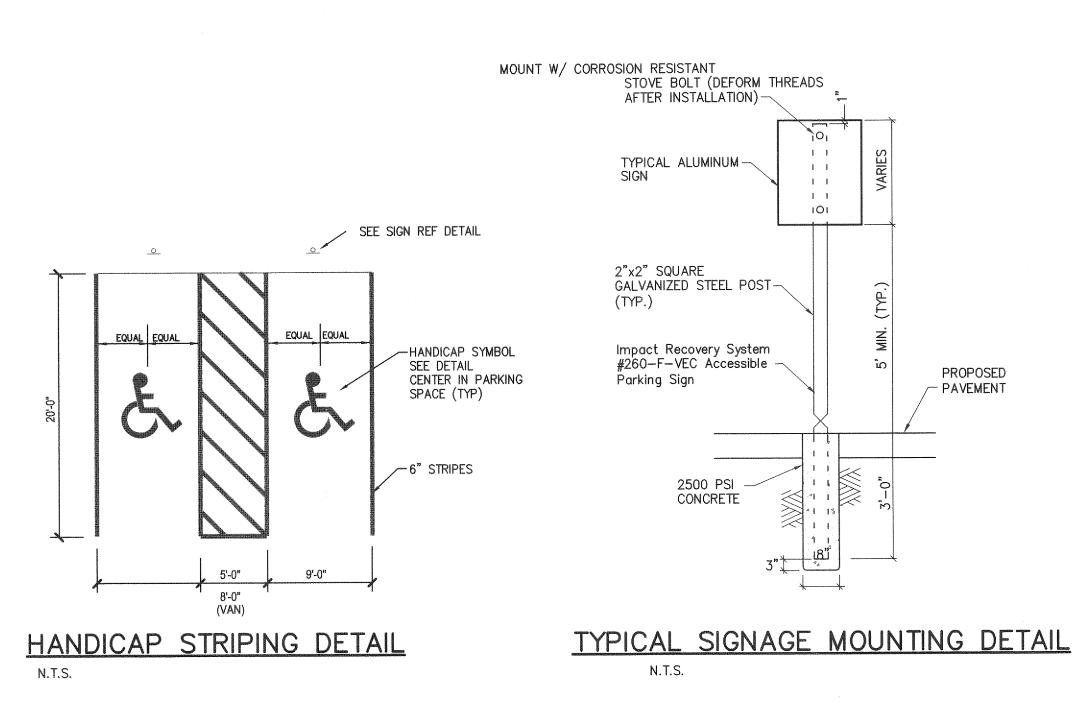
1'' = 60'

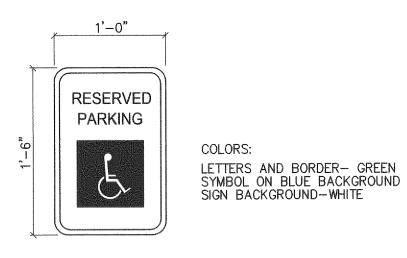
DISTURBED AREA = 2.85 ACRES

OF TO JON DAVID CROSS OTONAL ENG-

Project No. 14026

Sheet No.



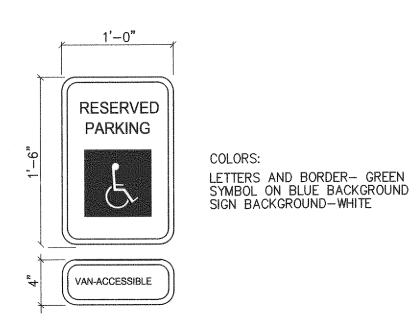


NOTES: 1. SPACING BETWEEN LETTERS, COLORS, AND PROCESSES SHALL CONFORM STANDARD HIGHWAY AND SIGN DESIGNS FOR TEXAS. 2. INSTALL 2' BACK OF CURB OR WHEEL STOPS, UNLESS OTHERWISE

3. VAN-ACCESSIBLE SIGNAGE ON VAN SPACES ONLY.

N.T.S.

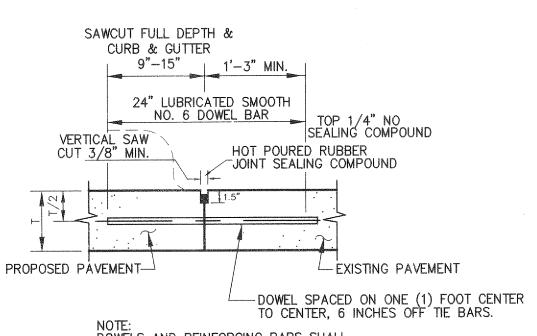
TYPICAL SIGNAGE DETAIL TYPE I



- 1. SPACING BETWEEN LETTERS, COLORS, AND PROCESSES SHALL CONFORM STANDARD HIGHWAY AND SIGN DESIGNS FOR TEXAS. 2. INSTALL 2' BACK OF CURB OR WHEEL STOPS, UNLESS OTHERWISE
- INDICATED. 3. VAN-ACCESSIBLE SIGNAGE ON VAN SPACES ONLY.

TYPICAL SIGNAGE DETAIL

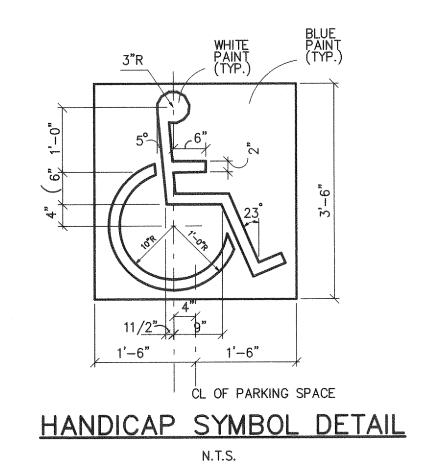
TYPE I N.T.S.

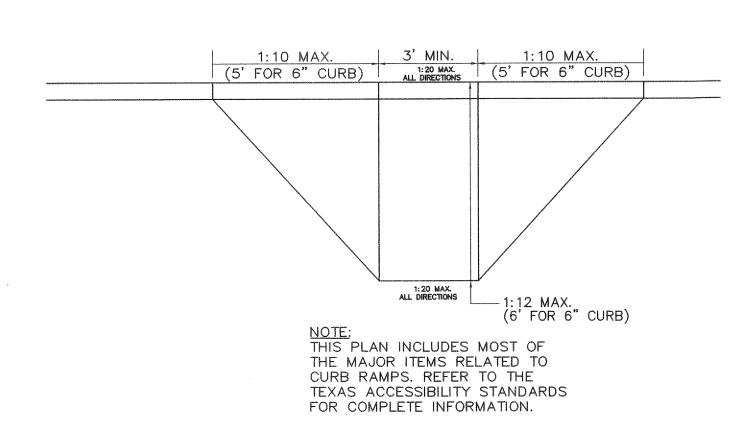


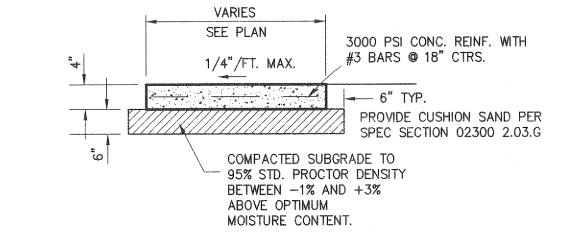
DOWELS AND REINFORCING BARS SHALL BE SUPPORTED BY AN APPROVED DEVICE. LONGITUDINAL BUTT JOINT

- 1. NO. 5 SMOOTH DOWEL BAR MAY BE USED IN 5 INCH AND 6 INCH PAVEMENT THICKNESS. 2. LONGITUDINAL BUTT CONSTRUCTION MAY BE UTILIZED IN PLACE OF LONGITUDINAL HINGED (KEYWAY) JOINT AT CONTRACTORS OPTION. 3. DOWEL BARS SHALL BE DRILLED INTO PAVEMENT HORIZONTALLY
- BY USE OF A MECHANICAL RIG.
 4. DRILLED BY HAND IS NOT ACCEPTABLE, PUSHING DOWEL BARS INTO GREEN CONCRETE NOT ACCEPTABLE.

N.T.S.

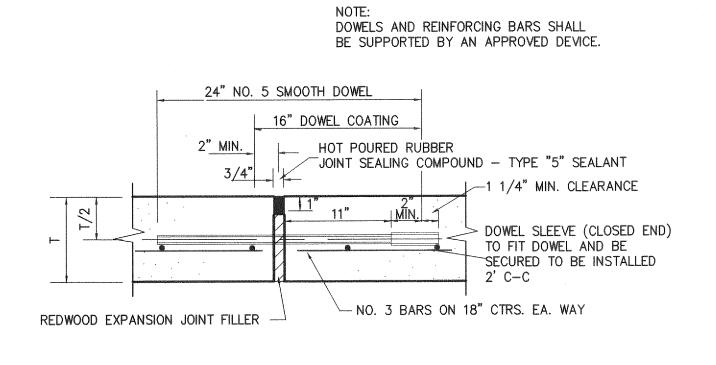




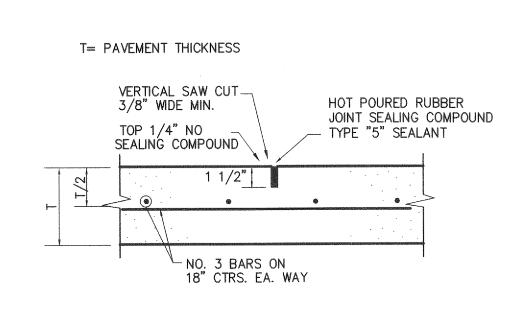


HANDICAP RAMP DETAIL (PRIVATE ONLY)

SIDEWALK DETAIL

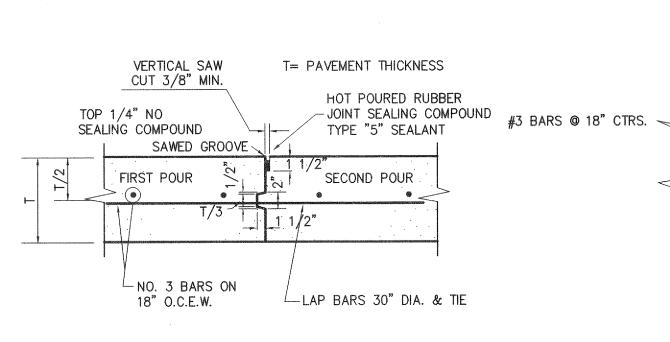


EXPANSION JOINT

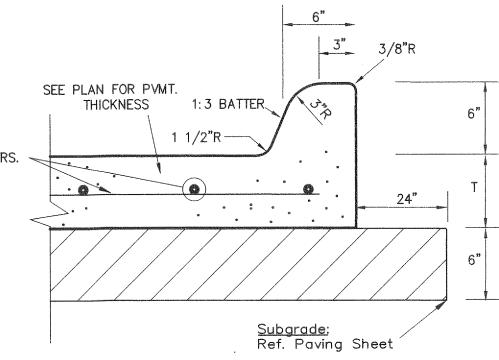


MAXIMUM SPACING IS 15' CTRS. (TYP.)

SAWED DUMMY (CONTROL) JOINT



CONSTRUCTION JOINT



PAVEMENT SECTION WITH CURB

CITY OF MCKINNEY ENGINEERING DEPARTMENT

RELEASED FOR CONSTRUCTION

PRIOR TO CONSTRUCTION THE OWNER OR THEIR REPRESENTATIVE

SHALL NOTIFY THE CITY OF MCKINNEY ENGINEERING DEPARTMENT AT 972-547-7420. CONSTRUCTION DRAWINGS STAMPED BY THE

CITY OF MCKINNEY SHALL BE ON THE PROJECT SITE AT ALL

TIMES DURING CONSTRUCTION. THE CITY OF MCKINNEY STANDARD

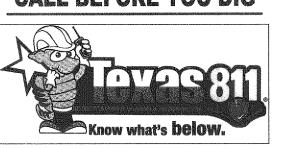
SPECIFICATIONS FOR CONSTRUCTION SHALL TAKE PRECEDENCE

DISCLAIMER: ALL NECESSARY APPROVALS AND PERMITS SHALL BE

OVER THESE PLANS WHENEVER IN CONFLICT THEREWITH.

ACQUIRED PRIOR TO CONSTRUCTION.

STOP **CALL BEFORE YOU DIG**

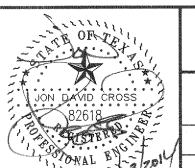


(@ least 72 hours prior to digging)

BENCHMARK: Benchmarks: COM 43 — Aluminum Cap found at the northeasterly intersection of Louisiana and Murray Street, located on the top of curb at the end of the curb return on the easterly side of Murray Street, north of Louisiana. Elev.=586.464 TBM-1 "X" Set, Elevation = 607.86'

TBM-2 "X" Set, Elevation = 613.11'

Issue Dates:	Revisions:	Date:	C				
1	1		CDO	8 4760a. 1980a.	NEERING		
2	2		CAU	OO CONS	SULTANTS		
3	3		131 S. Tennessee St.		McKinney, Texas 75069		
4	4	And the second s	972.562.4409 Texas P.E. Firm N		ıs P.E. Firm No. F-5935		
5	5	And Annual of Annual Account a city of the Section Consistency of The Section Consistency of Con	Drawn By:	Checked By:	Scale:		
THE RESIDENCE OF THE PROPERTY	1		C.E.C.L	C.E.C.I.	NONE		

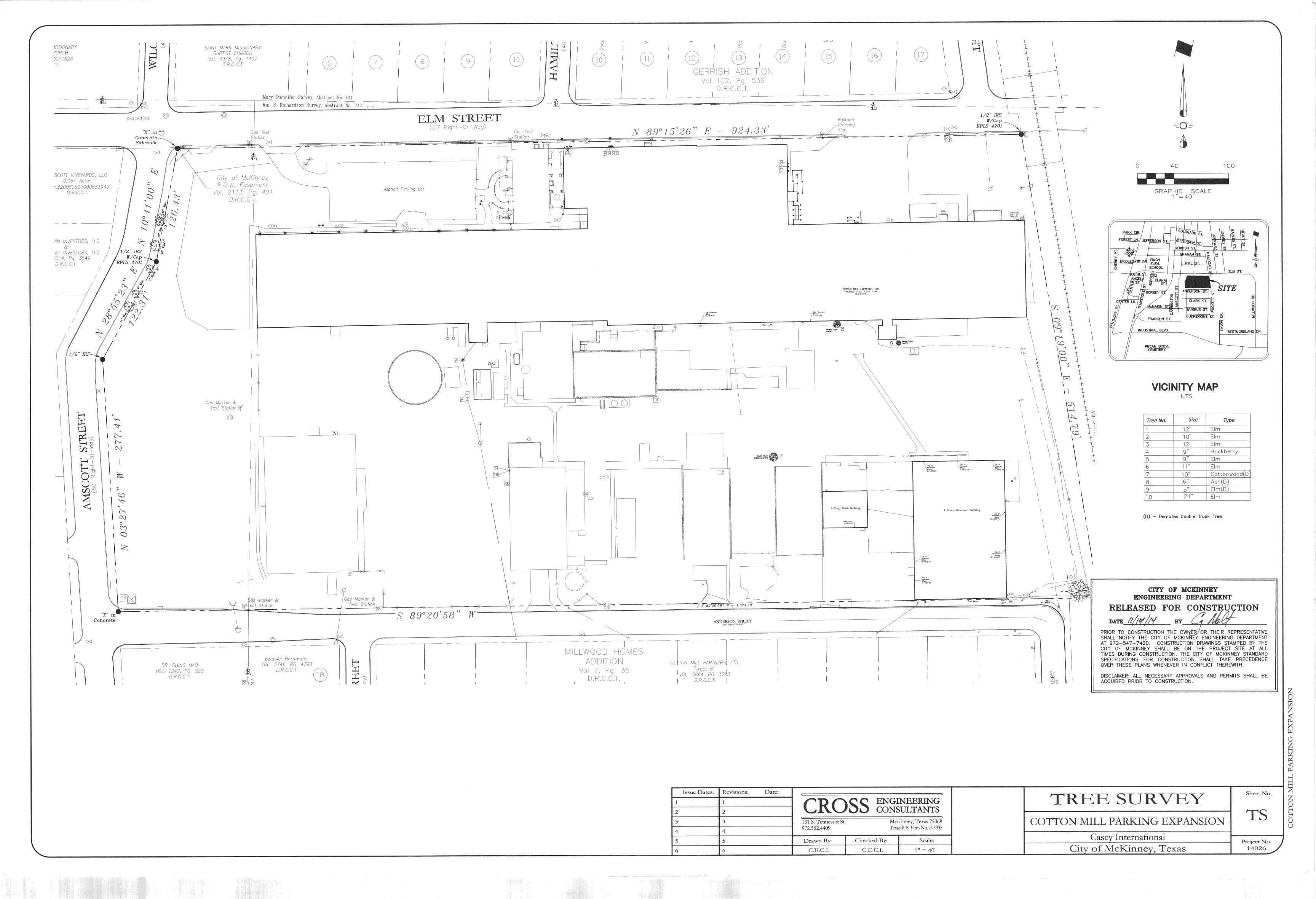


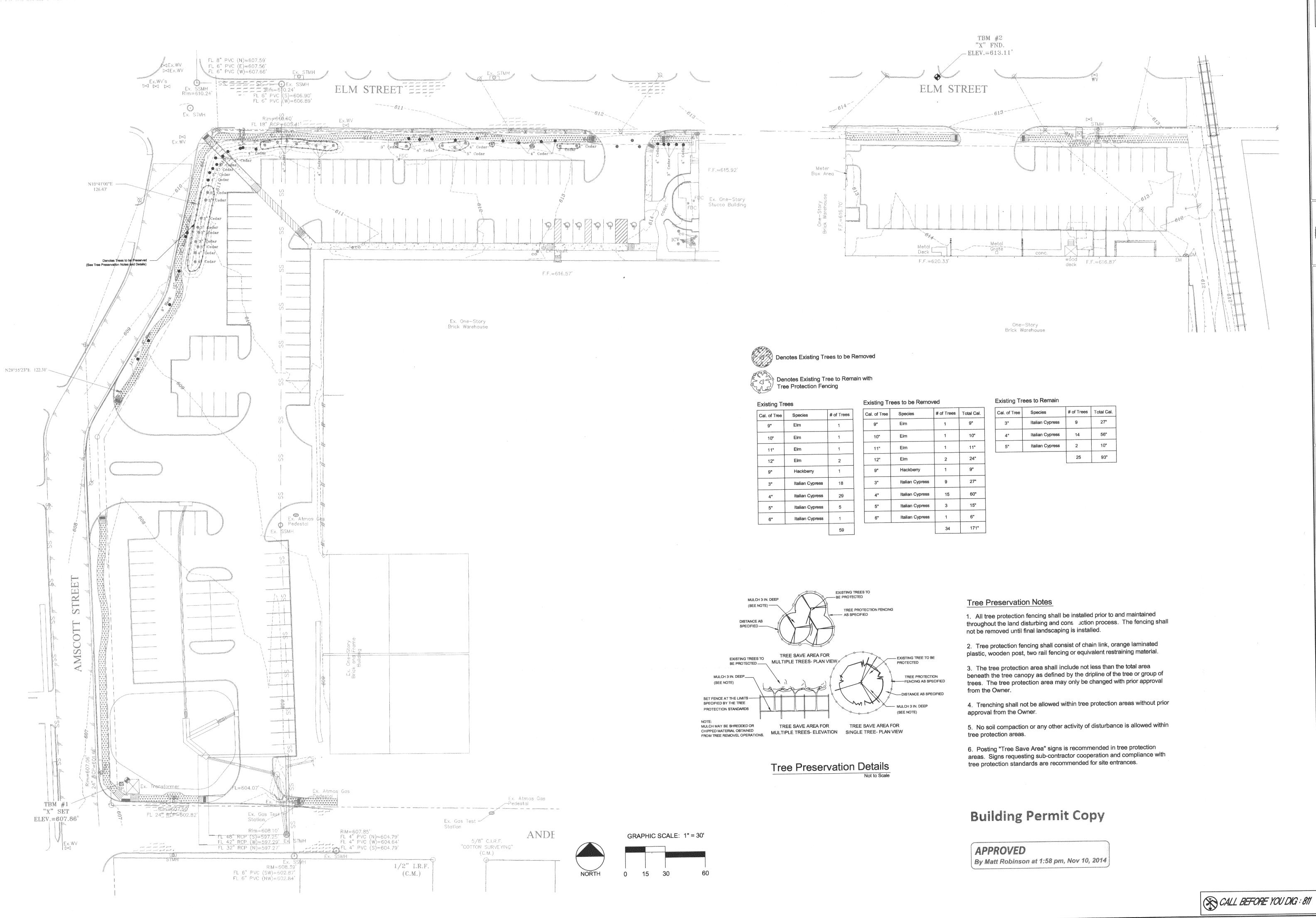
DETAILS
MILL PARKING EXPANSION

COTTON of 7 Casey International

Project No. City of McKinney, Texas 14026

Sheet No.

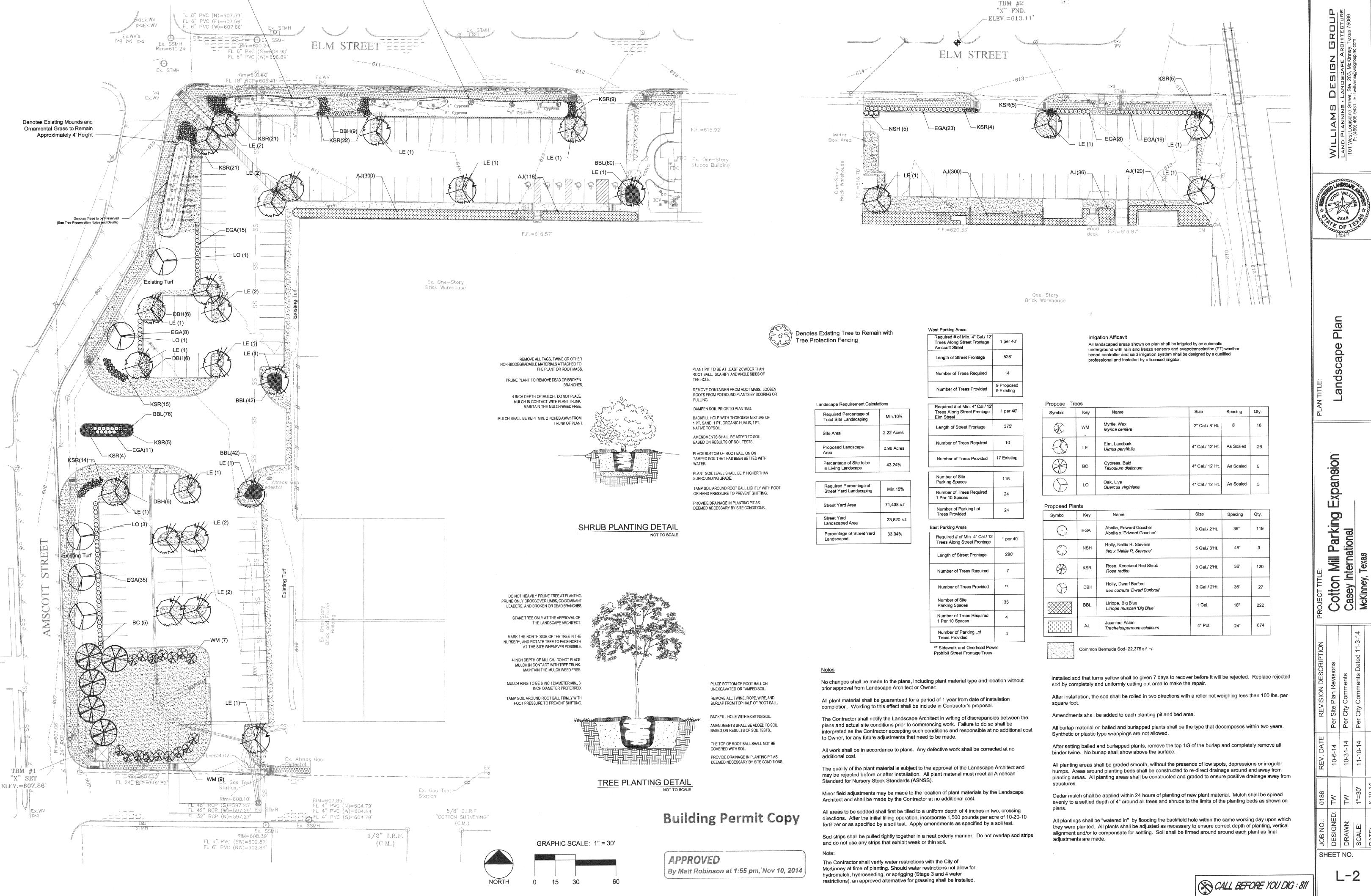






Expansion

SHEET NO.



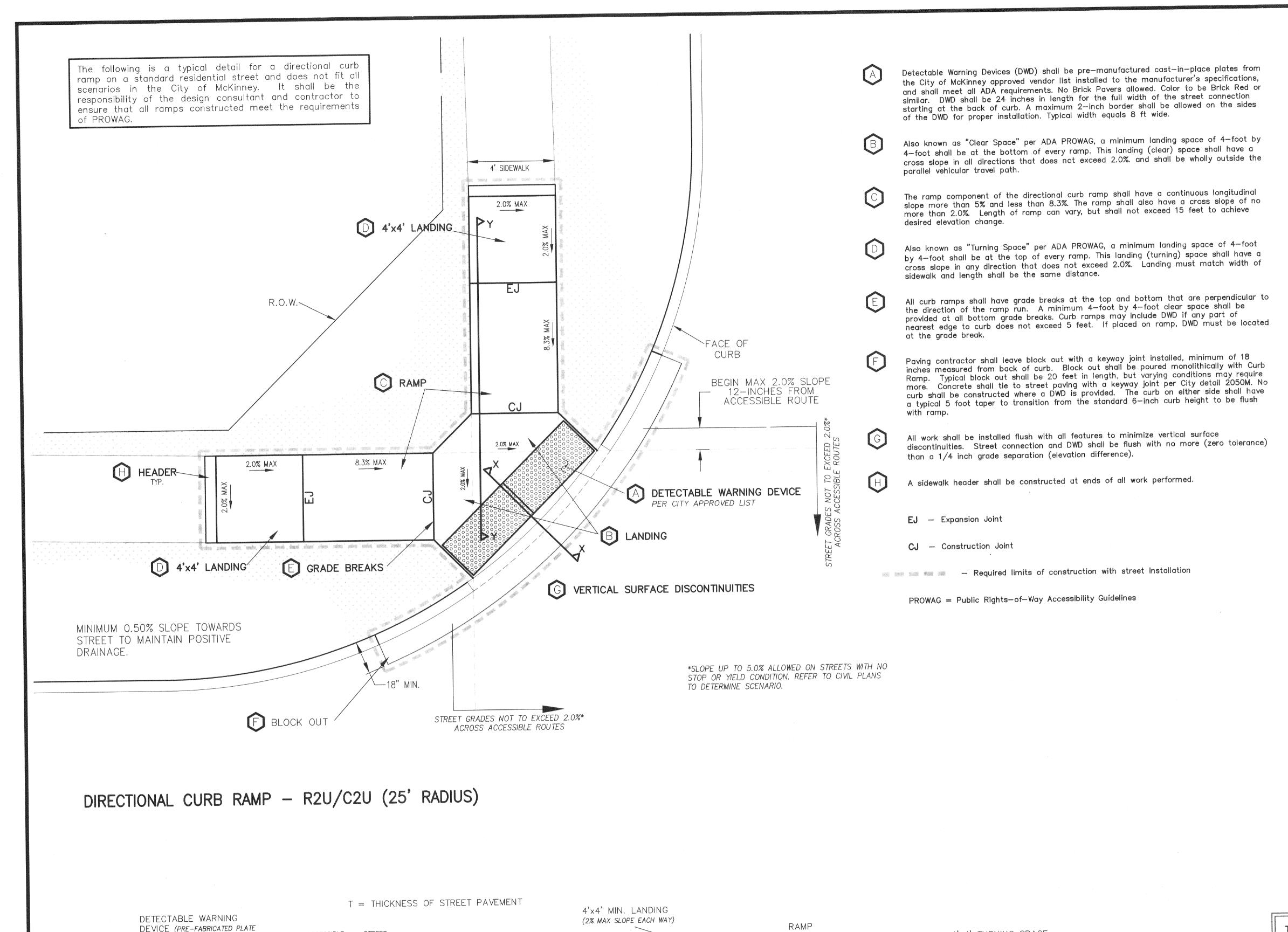
Denotes Existing Ornamental

Grass to Remain

Approximately 4' Height -

Denotes Existing Mounds and Ornamental Grass to Remain

Approximately 4' Height



12.0% MAX.

STREET

-BACK OF CURB

ALL AREAS SHALL

BE FLUSH

STREET BLOCK-OUT TO BE POURED

MONOLITHICALLY WITH RAMP

LONGITUDINAL BUTT JOINT

ACCESSIBLE

2.0% MAX.--

SECTION X-X

RAMP

MINIMUM 24-INCHES WIDE FOR FULL

WIDTH OF STREET CONNECTION)

MINIMUM 6" TRANSITION

TO MATCH ADJACENT

PAVEMENT THICKNESS

4000 PSI, CLASS A CONC.~

#3 BARS @ 18" O.C.E.W.

PEDESTRIAN ACCESSIBILITY (WITHIN PUBLIC R.O.W.)

All newly constructed sidewalks, curb ramps and crosswalks installed within City of McKinney public rights-of-way shall be considered a pedestrian access route and shall conform to the most current "Draft" Guidelines for Public Rights-of-Way created by the United States Access Board. http://www.access-board.gov/prowac/draft.htm

CURB RAMPS

- All slopes shown are <u>MAXIMUM ALLOWABLE</u>. Lesser slopes that will still drain properly should be used. Adjust curb ramp length or grade of approach sidewalks as directed.
- 2. Landings shall be 4'x 4' minimum with a maximum 2% slope in any direction.
- 3. Where a 4' sidewalk is provided, a 5'x 5' passing areas are required at intervals not to exceed 200'.
- 4. Maneuvering space at the bottom of curb ramps shall be a minimum of 4'x 4' wholly contained within the crosswalk and wholly outside the parallel vehicular travel path.
- 5. Maximum allowable cross slope on sidewalk and curb ramp surfaces is 2%.
- Additional information on curb ramp location, design, light reflective value and texture may be found in the most current edition of the Texas Accessibility Standards (TAS) and 16 TAC 68.102. Federal guidelines shall supersede any conflicts.
- 7. Crosswalk dimensions, crosswalk markings and stop bar locations shall be as shown elsewhere in the plans. At intersections where crosswalk markings are not required, curb ramps and accessible routes shall align with theoretical crosswalks unless otherwise directed.
- 8. Handrails are not required on curb ramps.
- 9. Provide a smooth transition where the curb ramps connect to the street.
- 10. Accessible routes are considered "ramps" when longitudinal slopes are between 5% and 8.3% (maximum allowable). Sidewalks under 5% longitudinal slope are deemed accessible routes and must follow all applicable guidelines.

DETECTABLE WARNING DEVICE

- 11. Curb ramps must contain a detectable warning surface that consists of raised truncated domes complying with Section 705 of the TAS. The surface must contrast visually with adjoining surfaces. Furnish and install an approved cast-in-place dark red detectable warning surface material adjacent to uncolored concrete, unless specified elsewhere in the plans.
- 12. Detectable Warning Materials must meet City of McKinney Material Specification XXXXXX and be listed on the Material Producer List. Install products in accordance with manufacturer's specifications.
- 13. Detectable warning surfaces must be slip resistant and not allow water to accumulate.
- 14. Detectable warning surfaces shall be a minimum of 24" in depth in the direction of pedestrian travel, and extend the full width of the curb ramp or landing where the pedestrian access route enters the street.
- 15. Detectable warning surfaces shall be located so that the edge nearest the curb line is at the back of curb. When placed on the ramp, align the rows of domes to be perpendicular to the grade break between the ramp run and the street. Where detectable warning surfaces are provided on a surface with a slope that is less than 5 percent, dome orientation is less critical. Detectable warning surfaces may be curved along the corner radius.

SIDEWALKS

- 16. Provide clear ground space at operable parts, including pedestrian push buttons. Operable parts shall be placed within one or more reach ranges specified in TAS 308.
- 17. Place traffic signal or illumination poles, ground boxes, controller boxes, signs, drainage facilities and other items so as not to obstruct the pedestrian access route or clear ground space.
- 18. Street grades and cross slopes shall be as shown elsewhere in the plans.
- 19. Changes in level greater than 1/4 inch are not permitted (1/2 inch with bevel).
- 20. Where a 4' sidewalk is provided, a 5'x 5' passing areas are required at intervals not to exceed 200'.
- 21. The least possible grade should be used to maximize accessibility. The running slope of sidewalks and crosswalks within the public right of way may follow the grade of the parallel roadway. Where a continuous grade greater than 5% must be provided, handrails may be desirable to improve accessibility. Handrails may also be needed to protect pedestrians from potentially hazardous conditions. If provided, handrails shall comply with TAS 505.
- 22. Handrail extensions shall not protrude into the usable landing area or into intersecting pedestrian routes.

This detail and accompanying notes are a representation of the information from PROWAG and are intended to provide guidance for the design and construction of sidewalk ramps in McKinney. It is the responsibility of the Design Professional and the Contractor to ensure that all ramps constructed meet the requirements of PROWAG.

PEDESTRIAN FACILITIES

CURB RAMPS

4'x4' TURNING SPACE

MAINTAIN POSITIVE DRAINAGE)

2.0% MAX.

(2% MAX SLOPE EACH WAY. MUST

CONSTRUCTION JOINT

DETECTABLE WARNING

DEVICE

(8.3% MAX LONGITUDINAL SLOPE. 2%

AS REQUIRED - MAX LENGTH 15 FT)

SECTION Y-Y

MAX CROSS SLOPE. LENGTH VARIES

EXPANSION JOINT

MARCH 2013

CITY OF McKINNEY ENGINEERING DEPARTMENT
221 N TENNESSEE ST P (972) 547-7420
McKINNEY, TX 75069 F (972) 547-2604



