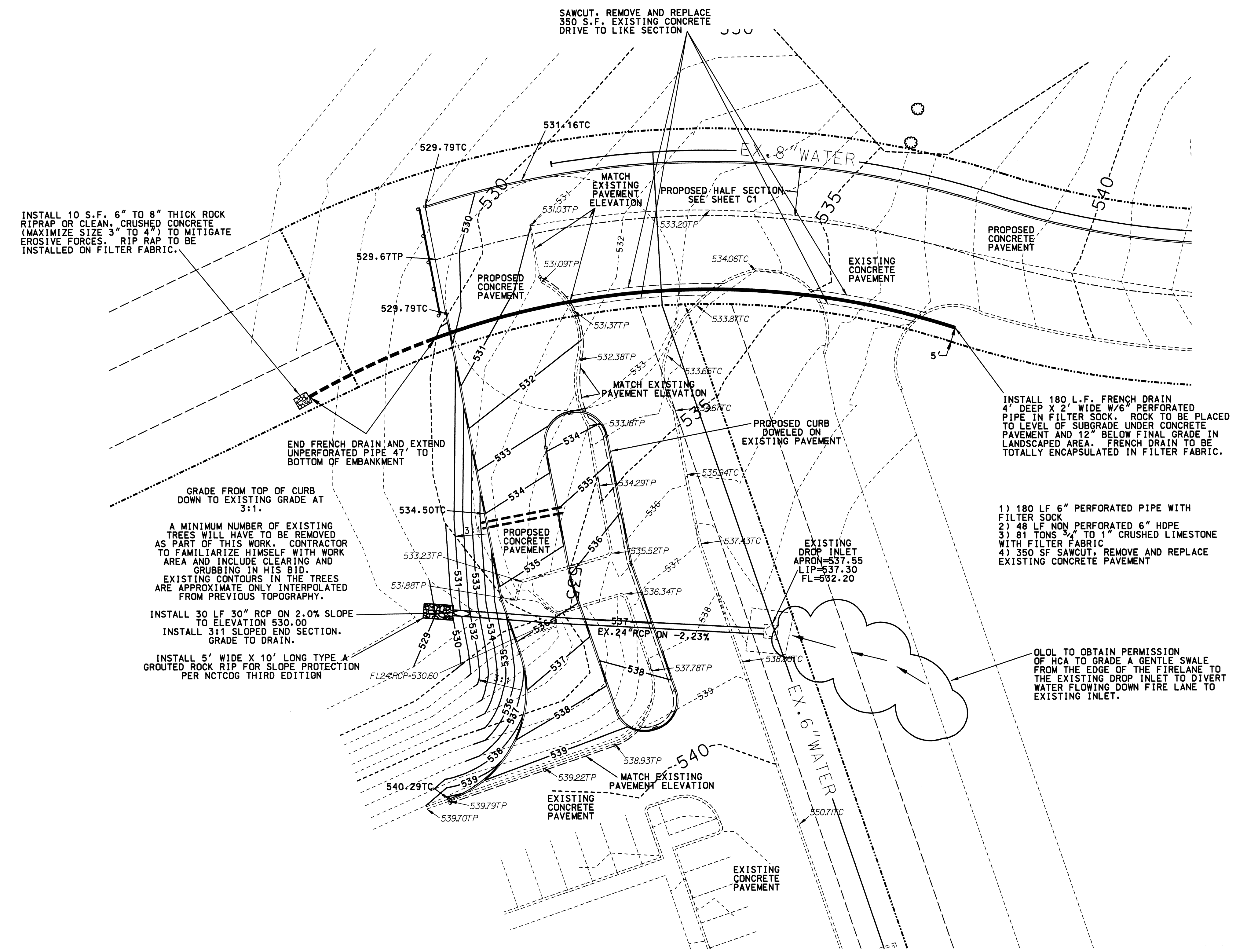


BOUNDARY INFORMATION AND FIELD SURVEYING PROVIDED BY AJ BEDFORD GROUP, ATTN. MR. JAY BEDFORD, 301 N. ALAMO, ROCKWALL, TEXAS 75043

CONSTRUCTION BENCHMARK: SQUARE CUT ON TOP OF EXISTING INLET. ELEVATION=544.08



INSTALL 10 S.F. 6" TO 8" THICK ROCK RIPRAP OR CLEAN, CRUSHED CONCRETE (MAXIMIZE SIZE 3" TO 4") TO MITIGATE EROSION FORCES. RIP RAP TO BE INSTALLED ON FILTER FABRIC.

GRADE FROM TOP OF CURB DOWN TO EXISTING GRADE AT 3:1.

A MINIMUM NUMBER OF EXISTING TREES WILL HAVE TO BE REMOVED AS PART OF THIS WORK. CONTRACTOR TO FAMILIARIZE HIMSELF WITH WORK AREA AND INCLUDE CLEARING AND GRUBBING IN HIS BID. EXISTING CONTOURS IN THE TREES ARE APPROXIMATE ONLY INTERPOLATED FROM PREVIOUS TOPOGRAPHY.

INSTALL 30 LF 30" RCP ON 2.0% SLOPE TO ELEVATION 530.00
INSTALL 3:1 SLOPED END SECTION. GRADE TO DRAIN.

INSTALL 5' WIDE X 10' LONG TYPE A GROUTED ROCK RIP FOR SLOPE PROTECTION PER NCTCOG THIRD EDITION

INSTALL 180 L.F. FRENCH DRAIN 4" DEEP X 2" WIDE W/6" PERFORATED PIPE IN FILTER SOCK. ROCK TO BE PLACED TO LEVEL OF SUBGRADE UNDER CONCRETE PAVEMENT AND 12" BELOW FINAL GRADE IN LANDSCAPED AREA. FRENCH DRAIN TO BE TOTALLY ENCAPSULATED IN FILTER FABRIC.

- 1) 180 LF 6" PERFORATED PIPE WITH FILTER SOCK
- 2) 48 LF NON PERFORATED 6" HDPE
- 3) 81 TONS 3/4" TO 1" CRUSHED LIMESTONE WITH FILTER FABRIC
- 4) 350 SF SAWCUT, REMOVE AND REPLACE EXISTING CONCRETE PAVEMENT

O.L. TO OBTAIN PERMISSION OF HCA TO GRADE A GENTLE SWALE FROM THE EDGE OF THE FIRELANE TO THE EXISTING DROP INLET TO DIVERT WATER FLOWING DOWN FIRE LANE TO EXISTING INLET.

GRADING GENERAL NOTES

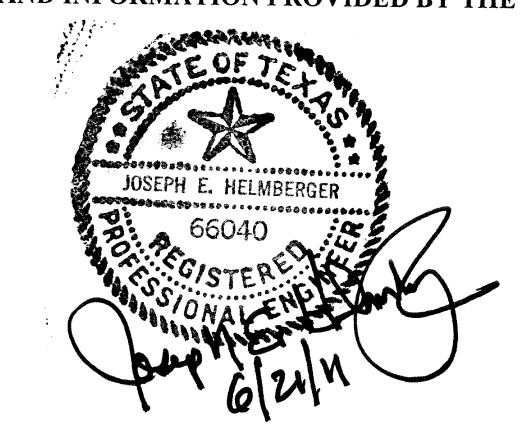
1. All construction shall conform to the City of Rockwall Standard Construction Details and the North Central Texas Council of Governments Standard Specifications for Public Works Construction third edition. In the event that an item is not covered, the contractor shall bring the problem to the attention of both the design engineer and the city engineer for approval or modification.
2. All subgrade beneath proposed pavement shall be prepared per the sections called out on Sheet C1. All fill to be placed in 8" lifts and compacted with a sheep's foot roller to 95% standard proctor at or slightly above optimum moisture content.
3. Sand is not allowed for pavement fine grading. Fly base or crushed rock shall be the only allowable materials for truing and leveling courses.
4. Excavation or fill operations shall not interfere with or obstruct pre-construction drainage patterns until such time as on-site drainage improvements are constructed.
5. Top of curb elevations are noted with (TC) following them. Gutter elevations are 0.50 feet below top of curb. All other spot elevations shown are to top of pavement or finished grade unless otherwise noted. The intention of this grading plan is to preclude ponding water on paving or grassed areas. If the contractor finds any location that will result in ponding water, the Engineer shall be notified for clarification prior to pavement placement.
6. All subgrade beneath proposed pavement shall be prepared as specified in the Paving General Notes.
7. Contractor shall be responsible for traffic control, warning and safety devices until all work has been accepted by the City of Rockwall and the owner.
8. The location of existing utilities shown on these plans is approximate. All utilities may not be shown. It is the responsibility of the contractor to contact the City of Rockwall and all area utilities that may conflict with construction prior to beginning work.
9. Erosion control shall conform to City of Rockwall standards.

Survey work provided by Mr. Jay Bedford, RPLS, A.J. Bedford Group, Inc., 301 North Alamo, Rockwall, Texas 75043. Phone: 972.722.0225.

A-built utilities, paving and drainage information obtained from record drawings on file with the City of Rockwall and information provided by Our Lady of the Lake Catholic Church.

AS-BUILT DRAWING 06-21-11

TO THE BEST OF OUR KNOWLEDGE, HELMBERGER ASSOCIATES, INC. HEREBY STATES THAT THIS PLAN IS AS-BUILT. THIS INFORMATION PROVIDED IS BASED ON SURVEYING AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR.



Survey work provided by Mr. Jay Bedford, RPLS, A.J. Bedford Group, Inc., 301 North Alamo, Rockwall, Texas 75043. Phone: 972.722.0225.

A-built utilities, paving and drainage information obtained from record drawings on file with the City of Rockwall and information provided by Our Lady of the Lake Catholic Church.

GRADING/DRAINAGE PLAN						
DAMASCUS ROAD WIDENING PROJECT						
OUR LADY OF THE LAKE CATHOLIC CHURCH						
CITY OF ROCKWALL, TEXAS						
TBPE REGISTRATION F-000756		HELMBERGER ASSOCIATES, INC. CIVIL AND ENVIRONMENTAL ENGINEERS <small>1025 BOZMAN ROAD, WYLIE, TEXAS 75098 (972) 442-7450</small>				
DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
HELM.	CADD	JUNE 30, 2009	1"=20'	GBORDER DGN	0919	C3

REVISED TO REFLECT AS-BUILT CONDITIONS JUNE 21, 2011
 REVISED 03/02/11 TO INCLUDE INSTALLATION OF A FRENCH DRAIN AND OUTFALL IN AN ATTEMPT TO CONTROL SUBSURFACE DRAINAGE
 REVISED PER CITY COMMENT JULY 28, 2009