

# DISCOVERY BOULEVARD

## 1 DRIVE ENTRANCE GRADING

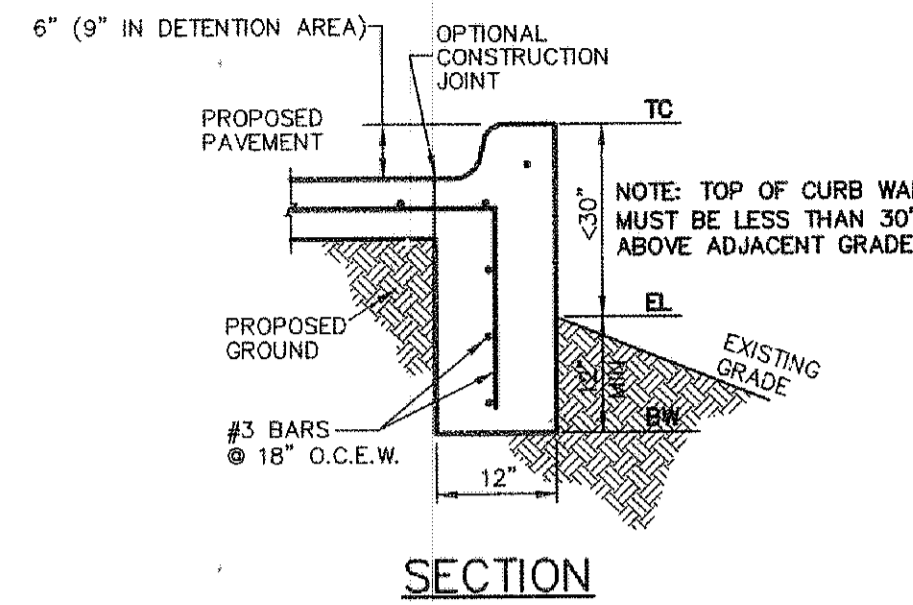
NOT TO SCALE

# INNOVATION DRIVE

### BENCH MARK LIST

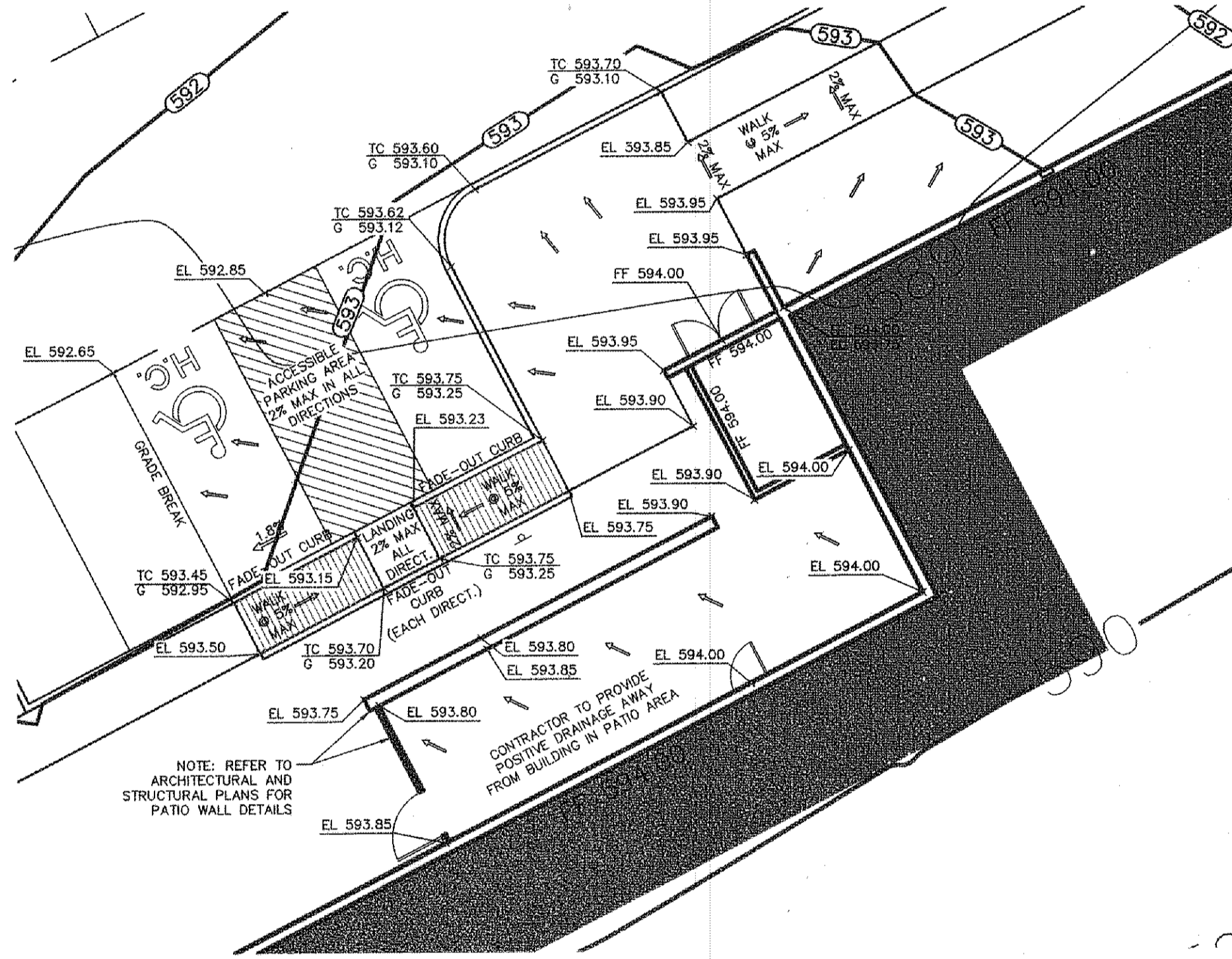
BM 1	"T" CUT SET IN CENTER OF A 12' HEADWALL 22'30" WEST OF E.F.M.549 AND 70'± NORTH OF C.S.H. 276	ELEV.=581.84
BM 2	"T" CUT FOUND IN CENTER OF 4' HEADWALL @ NORTHEAST CORNER OF F.M.549 & S.H.276	ELEV.=592.75
BM 3	"T" CUT FOUND P.O.C. OF B.C. ON THE SOUTH END OF MEDIAN ON INNOVATION DR. AT THE INTERSECTION OF STATE HIGHWAY NO. 276.	ELEV.=599.49
BM 4	"T" CUT FOUND IN CENTER OF INLET ON THE EAST RIGHT OF WAY OF INNOVATION DR. 80'± SOUTH OF CENTERLINE OF DISCOVERY BLVD.	ELEV.=584.18
BM 5	"T" CUT FOUND ON THE EAST RIGHT OF WAY OF RESEARCH CIR. AT THE P.C. OF B.C. ON THE NORTH SIDE OF ENTRANCE.	ELEV.=599.84

NOTE: PROPOSED OFF-SITE GRADING IN THIS AREA. CONTRACTOR AND OWNER'S REPRESENTATIVE TO OBTAIN WRITTEN PERMISSION FROM ADJACENT PROPERTY OWNER AND/OR ROCKWALL ECONOMIC DEVELOPMENT CORPORATION PRIOR TO CONSTRUCTION. IF OFF-SITE GRADING IS NOT ALLOWED IN THIS AREA, OWNER'S REPRESENTATIVE TO NOTIFY PACHECO KOCH PRIOR TO CONSTRUCTION.



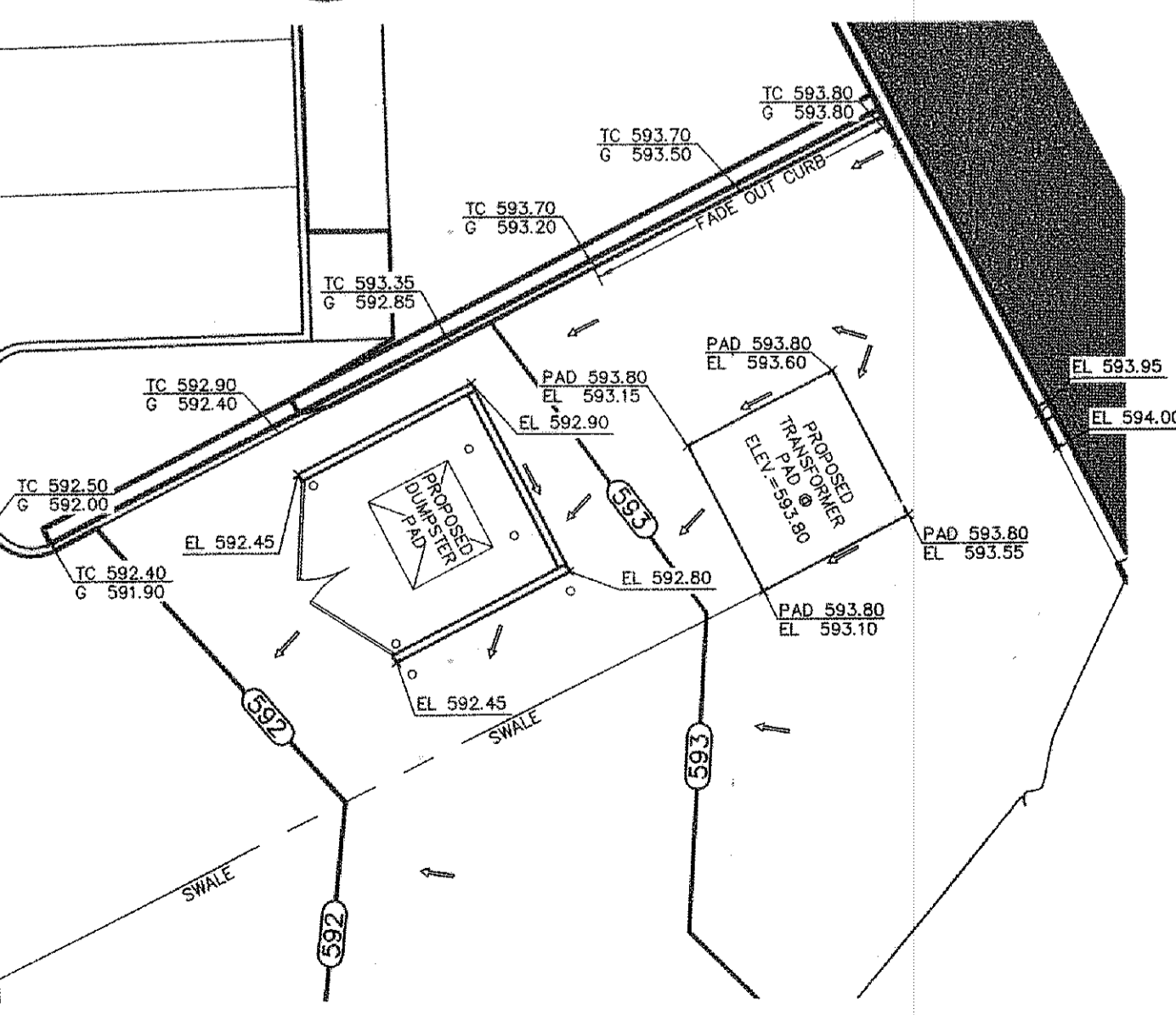
## 2 CURB W/WALL

NOT TO SCALE



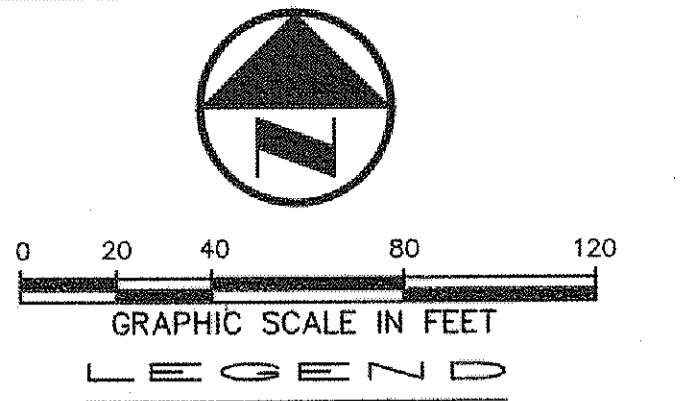
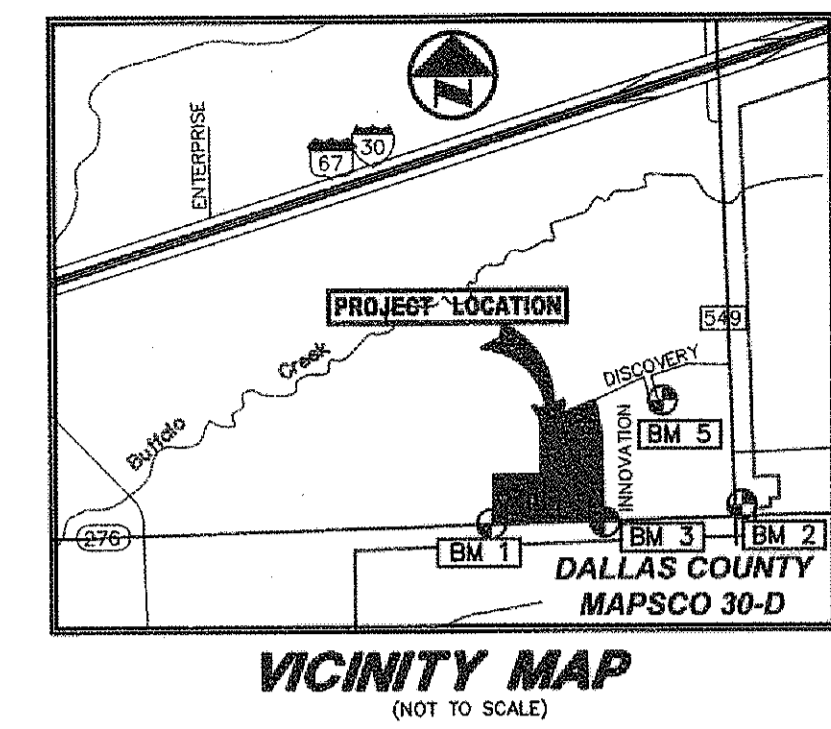
## 3 BUILDING ENTRANCE GRADING

SCALE: 1"=10'



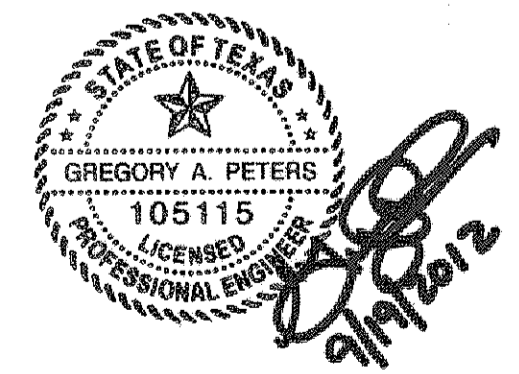
## 4 DUMPSTER/TRANSFORMER PAD

SCALE: 1"=10'



### GRADING AND DRAINAGE GENERAL NOTES

- REFER TO GEOTECHNICAL REPORT FOR REQUIREMENTS REGARDING FILL COMPACTION AND MOISTURE CONTENT.
- UNLESS NOTED, ALL FILL IS TO BE COMPACTED TO A MINIMUM OF 95% STANDARD PROCTOR DENSITY WITHIN 3% OF OPTIMUM MOISTURE CONTENT. FILL TO BE PLACED IN A MAXIMUM OF 6" LIFTS.
- SIDEWALKS AND ACCESSIBLE ROUTES SHALL HAVE A RUNNING SLOPE NO GREATER THAN 5% (UNLESS NOTED OTHERWISE) AND A CROSS SLOPE NOT GREATER THAN 2%.
- GRADING OF ALL HANDICAPPED SPACES AND ROUTES TO CONFORM TO STATE, LOCAL AND FEDERAL GUIDELINES.
- ALL PROPOSED AND EXISTING GRADES IN NON-PAVED AREAS ARE "FINISHED GRADE" (I.E. IN LANDSCAPE BEDS, TOP OF MULCH/BEDDING MATERIAL).
- UNLESS NOTED, STORM DRAIN LINES MAY BE OF THE FOLLOWING MATERIALS:
  - A. RCP C-75, CLASS III
  - B. ADS N-12
  - C. HANCOR HI-0
- AND INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
- UNLESS NOTED, GRATE INLET TO BE "HANSON PIPE AND PRECAST" CATCH BASIN, SIZED AS SHOWN, OR APPROVED EQUAL.
- FINAL PAVING, CURB AND SIDEWALK ELEVATIONS WILL BE PLACED AT PLUS OR MINUS 0.03 FOOT.
- REFER TO LANDSCAPE SPECIFICATION FOR SEEDING AND SODDING REQUIREMENTS.
- ANY CONCRETE, ROCK OR MATERIAL DEEMED UNSUITABLE FOR SUBGRADE, BY ENGINEER, SHALL BE DISPOSED OF OFFSITE AT CONTRACTOR'S EXPENSE.
- TRENCH BACKFILL MATERIAL SHALL CONFORM TO THE REQUIREMENTS OF NCTCOG (3RD ED.) ITEM 504.2 AND SHALL BE MECHANICALLY COMPACTED IN 6" LIFTS TO THE TOP OF SUBGRADE TO A MINIMUM OF 95% STANDARD PROCTOR DENSITY IN ACCORDANCE WITH NCTCOG ITEM 504.5 UNLESS OTHERWISE SHOWN ON THESE PLANS OR STATED IN THE STANDARD CITY SPECIFICATIONS.
- EMBEDMENT SHALL CONFORM TO THE REQUIREMENTS OF NCTCOG (3RD ED.) ITEM 504.5 UNLESS OTHERWISE SHOWN ON THESE PLANS OR STATED IN THE STANDARD CITY SPECIFICATIONS.
- A ROUND MANHOLE COVER MEETING CITY SPECIFICATIONS SHALL BE PLACED IN ALL INLET TOPS. THE MANHOLE COVER SHALL BE PLACED NEAR THE OUTLET PIPE.
- ALL CONCRETE FOR INLETS AND DRAINAGE STRUCTURES SHALL CONFORM TO NCTCOG (3RD ED.) ITEM 702.2.4, CLASS 7" (4200 PSI) UNLESS OTHERWISE SHOWN ON THESE PLANS OR STATED IN STANDARD CITY SPECIFICATIONS.
- CRUSHED STONE BEDDING OR APPROVED EQUAL SHALL BE PROVIDED BY THE CONTRACTOR WHEN ROCK IS ENCOUNTERED IN TRENCHES. THERE SHALL BE NO ADDITIONAL PAY ITEM OF THE CRUSHED STONE BEDDING.
- IF REQUIRED DUE TO CONSTRUCTION, POWER POLES TO BE BRACED OR RELOCATED AT CONTRACTOR'S EXPENSE.
- ALL FILL TO BE COMPACTED USING A SHEEP'S FOOT ROLLER PER CITY OF ROCKWALL STANDARDS.



**RECORD DRAWING**  
 THIS DRAWING HAS BEEN REVISED TO REFLECT CONSTRUCTION RECORDS MAINTAINED AND PROVIDED BY THE CONTRACTOR FOR THIS PROJECT.  
 CONTRACTOR: HILL & WILKINSON  
 DATE REVISED: 08/30/2012

NO.	DATE	REVISION
1	08/30/2012	RECORD DRAWING
2	05/14/2012	DRAINAGE AND GRADING REVISION NEAR EXISTING GAS MAIN

**Pacheco Koch**  
 DALLAS • FORT WORTH • HOUSTON TX REG. SURVEYING FIRM LS-10008-00

GRADING PLAN					
HATFIELD & COMPANY, INC.					
DISCOVERY BLVD. & INNOVATION ST.					
ROCKWALL					
CITY OF ROCKWALL, ROCKWALL COUNTY, TX					
DESIGN	DRAWN	DATE	SCALE	NOTES	FILE NO.
GAP	GAP	MARCH 2012	1"=40'		<b>C3.1</b>