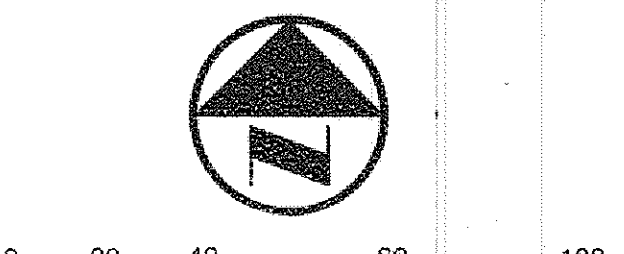


DISCOVERY BOULEVARD

INNOVATION DRIVE

ONE-STORY OFFICE/WAREHOUSE FF 594.00



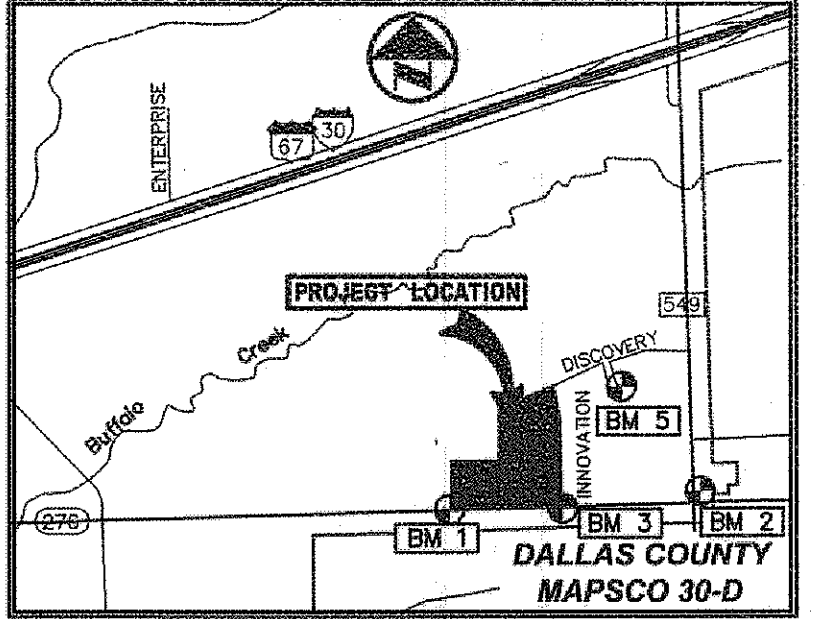
LEGEND

- B: BOLLARD
- EM: ELECTRIC METER
- PP: POWER POLE
- LS: LIGHT STANDARD
- WM: WATER METER
- WV: WATER VALVE
- IV: IRRIGATION CONTROL VALVE
- FH: FIRE HYDRANT
- CN: CLEANOUT
- MH: MANHOLE
- TSC: TRAFFIC SIGNAL CONTROL
- TSP: TRAFFIC SIGNAL POLE
- TELE: TELEPHONE BOX
- FL: FLOOD LIGHT
- FP: FLAG POLE
- TR: TRAFFIC SIGN
- IRS: 1/2-INCH IRON ROD W/"PACHECO KOCH" CAP SET
- (C.M.): CONTROLLING MONUMENT
- : PROPERTY LINE
- X-: FENCE
- OH-: OVERHEAD UTILITY LINE
- E-: UNDERGROUND ELECTRIC LINE
- T-: UNDERGROUND TELEPHONE LINE
- C-: UNDERGROUND CABLE LINE
- 6"W-: UNDERGROUND WATER LINE
- 6"SS-: UNDERGROUND SANITARY SEWER LINE
- [Stippled Area]: DETENTION AREA

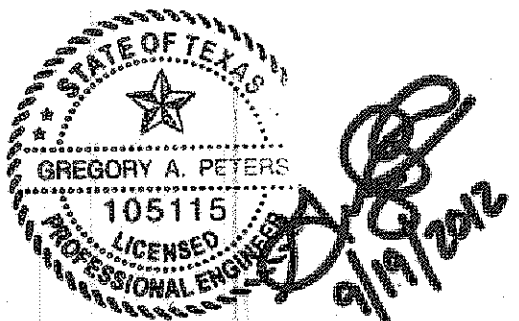
GRADING AND DRAINAGE GENERAL NOTES

1. REFER TO GEOTECHNICAL REPORT FOR REQUIREMENTS REGARDING FILL COMPACTION AND MOISTURE CONTENT.
2. 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.
3. SIDEWALKS AND ACCESSIBLE ROUTES SHALL HAVE A RUNNING SLOPE NO GREATER THAN 5% (UNLESS NOTED OTHERWISE) AND A CROSS SLOPE NOT GREATER THAN 2%.
4. GRADING OF ALL HANDICAPPED SPACES AND ROUTES TO CONFORM TO STATE, LOCAL AND FEDERAL GUIDELINES.
5. ALL PROPOSED AND EXISTING GRADES IN NON-PAVED AREAS ARE "FINISHED GRADE" (I.E. IN LANDSCAPE BEDS, TOP OF MULCH/BEDDING MATERIAL).
6. UNLESS NOTED, STORM DRAIN LINES MAY BE OF THE FOLLOWING MATERIALS:
 - A. RCP C-76, CLASS III
 - B. ADS N-12
 - C. HANCOR HI-Q
7. UNLESS NOTED, GRATE INLET TO BE "HANSON PIPE AND PRECAST" CATCH BASIN, SIZED AS SHOWN, OR APPROVED EQUAL.
8. FINAL PAVING, CURB AND SIDEWALK ELEVATIONS WILL BE PLACED AT PLUS OR MINUS 0.03 FOOT.
9. REFER TO LANDSCAPE SPECIFICATION FOR SEEDING AND SODDING REQUIREMENTS.
10. ANY CONCRETE, ROCK OR MATERIAL DEEMED UNSUITABLE FOR SUBGRADE, BY ENGINEER, SHALL BE DISPOSED OFF SITE AT CONTRACTOR'S EXPENSE.
11. TRENCH BACKFILL MATERIAL SHALL CONFORM TO THE REQUIREMENTS OF NCTCOG (3RD ED.) ITEM 504.2 AND CITY OF ROCKWALL STANDARDS, 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.
12. EMBEDMENT SHALL CONFORM TO THE REQUIREMENTS OF NCTCOG (3RD ED.) ITEM 504.5 AND CITY OF ROCKWALL STANDARDS.
13. A ROUND MANHOLE COVER MEETING CITY SPECIFICATIONS SHALL BE PLACED IN ALL INLET TOPS. THE MANHOLE COVER SHALL BE PLACED NEAR THE OUTLET PIPE.
14. ALL CONCRETE FOR INLETS AND DRAINAGE STRUCTURES SHALL CONFORM TO NCTCOG (3RD ED.) ITEM 702.2.4, CLASS "F" (4200 PSI) UNLESS OTHERWISE SHOWN ON THESE PLANS OR STATED IN THE STANDARD CITY SPECIFICATIONS.
15. 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.
16. IF REQUIRED DUE TO CONSTRUCTION, POWER POLES TO BE BRACED OR RELOCATED AT CONTRACTOR'S EXPENSE.

NOTE: THE PROPOSED DETENTION SYSTEM IS TO BE MAINTAINED BY PROPERTY OWNER. THE CITY OF ROCKWALL IS NOT LIABLE FOR ANY DAMAGES DUE TO POSSIBLE FLOODING.



VICINITY MAP (NOT TO SCALE)



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

BENCH MARK LIST

NO.	DESCRIPTION	ELEV.
BM 1	"I" CUT SET IN CENTER OF A 12' HEADWALL 2230± WEST OF E. F.M.549 AND 70± NORTH OF C.S.H. 276	581.84
BM 2	"I" CUT FOUND IN CENTER OF 4' HEADWALL @ NORTHEAST CORNER OF F.M.549 & S.H.276	592.75
BM 3	"I" 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.	599.49
BM 4	"I" CUT FOUND IN CENTER OF INLET ON THE EAST RIGHT OF WAY OF INNOVATION DR. 80± SOUTH OF CENTERLINE OF DISCOVERY BLVD.	584.18
BM 5	"I" CUT FOUND ON THE EAST RIGHT OF WAY OF RESEARCH DR. AT THE P.C. OF B.C. ON THE NORTH SIDE OF ENTRANCE.	599.84

NO.	DATE	REVISION
1	8/30/2012	RECORD DRAWING

Pacheco Koch
 8350 N. CENTRAL EXPWY. SUITE 1000
 DALLAS, TX 75206 972.235.3031
 TX REG. ENGINEERING FIRM F-469
 DALLAS • FORT WORTH • HOUSTON TX REG. SURVEYING FIRM LS-100080-00

HATFIELD & COMPANY, INC.
STORM SEWER PLAN
DISCOVERY BLVD. & INNOVATION ST.
ROCKWALL
 CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
GAP	GAP	MARCH 2012	1"=40'			C4.2

KINKLER 10.26PM
 MK DWG-20 2058-11.325-DWG(C) 2058-11-325-ST-DELTA1-GAP.DWG