DRAINAGE ANALYSIS

PROJECT DESCRIPTION:
THE PROJECT SITE IS LOCATED AT 230 TOHATCHI TRAIL NW. THE 1.6363 ACRE SITE IS BOUND BY THE MRGCD ALAMEDA DRAIN TO THE NORTH & EAST, CARSON RD NW TO THE NORTHEAST, TRACTS A & B – LAND OF TONY GRIEGO TO THE EAST, LOT 1 –LANDS OF DELLA SANCHEZ TO THE SOUTHEAST, LOTS 7, 8 & 9 –TOHATCHI ADDITION AND TOHATCHI TRAIL NW TO THE SOUTH.

EXISTING CONDITIONS:

CURRENTLY, THE 1.6363 ACRE INFILL SITE IS A VACANT DIRT FIELD WITH SOME NATURAL GROUND VEGITATION AND GROUPS OF TREES. ACCORDING THE TOPOGRAPHIC SURVEY PROVIDED BY HIGH MESA CONSULTING GROUP INC. IN OCTOBER 2010, THE SITE APPEARS TO BE RELATIVELY FLAT WITH EXISTING SLOPES AVERAGING LESS THAN 1%. IT APPEARS THAT FLOWS GENERATED FROM THE SITE ARE BASICALLY CONTAINED WITHIN THE PROPERTY BOUNDARY. IN FACT, THE ELEVATION OF THE INTERFACE OF TOHATCHI TRAIL AT THE SOUTH PROPERTY LINE AND THE ADJACENT MRGCD ALAMEDA DRAIN TO THE NORTH AND EAST APPEARS TO BE AT HIGHER ELEVATIONS OF THE PROJECT PROPERTY. BASED UPON A FIELD VISIT AND THE AGIS TOPOGRAPHY, THERE APPEARS TO BE A SLIGHT AMOUNT OF ADJACENT OFFSITE FLOWS THAT ENTER THE SITE BETWEEN THE NORTH PROPERTY LINE AND THE MRGCD FENCELINE AT THE ALAMEDA DRAIN, THERE ALSO APPEARS TO BE A SMALL AMOUNT OF OFFSITE FLOWS ENTERING THE SITE FROM THE ADJACENT RESEDENCES TO THE SOUTH, AND EAST. ACCORDING TO PANEL 331/825 FIRM MAP, THE PROJECT SITE LAYS WITHIN A FLOOD HAZARD ZONE "X".

THE EXISTING PROPERTY CONSISTS OF ONE BASIN (BASIN 1) OF 100% OF PERMOUS AREA. ACCORDING TO THE USCS SOIL SURVEY, THE EXISTING SOIL TYPES APPEAR TO BE OF THE AGUA SERIES AND GLENDALE SERIES. THE Ag AGUA IS A SILTY CLAY LOAM TYPICAL OF FLATTER IRRIGATED AREAS IN THE RIO GRANDE VALLEY. THE SOIL IS CLASSIFIED AS "WELL DRAINED SOIS" WITH A HYDROLOGIC SOIL GROUP "B". THE GK GLENDALE IS A LOAM ALSO TYPICAL OF FLATTER IRRIGATED AREAS IN THE RIO GRANDE VALLEY. THE SOIL IS ALSO CLASSIFIED AS "WELL DRAINED SOILS" WITH A HYDROLOGIC SOIL GROUP "B". THE TOTAL AREA OF EXISTING BASIN 1 IS APPROX. 1.64AC AND THE DISCHARGE RATE IS APPROX. 4.63CFS, WITH A TOTAL 100YR-24 HR VOLUME OF 6011CF. AS DESCRIBED ABOVE, THERE ARE 4 EXISTING OFFSITE BASINS THAT APPEAR TO DRAIN ONTO THE SUBJECT PROPERTY. LOT 7 DISCHARGES APPROXIMATELY 0.13CFS ONTO THE SITE FROM THE WESTERN PORTION OF THE SOUTH PROPERTY LINE. LOTS 8A & 9A DISCHARGE APPROXIMATELY 0.19CFS ONTO THE SITE FROM THE EASTERN PORTION OF THE SOUTH PROPERTY LINE. LOT 1 AND TRACTS A & B DISCHARGE APPROXIMATELY 0.37CFS ONTO THE SITE FROM THE WESTERN PORTION OF THE EAST PROPERTY LINE. A PORTION OF THE SOUTH SIDE OF THE MRGCD PROPERTY JUST NORTH AND AGJACENT TO THE NORTH PROPERTY LINE DISCHARGES APPROXIMATELY 0.53CFS ONTO THE SITE FROM THE NORTH.

PROPOSED CONDITIONS:

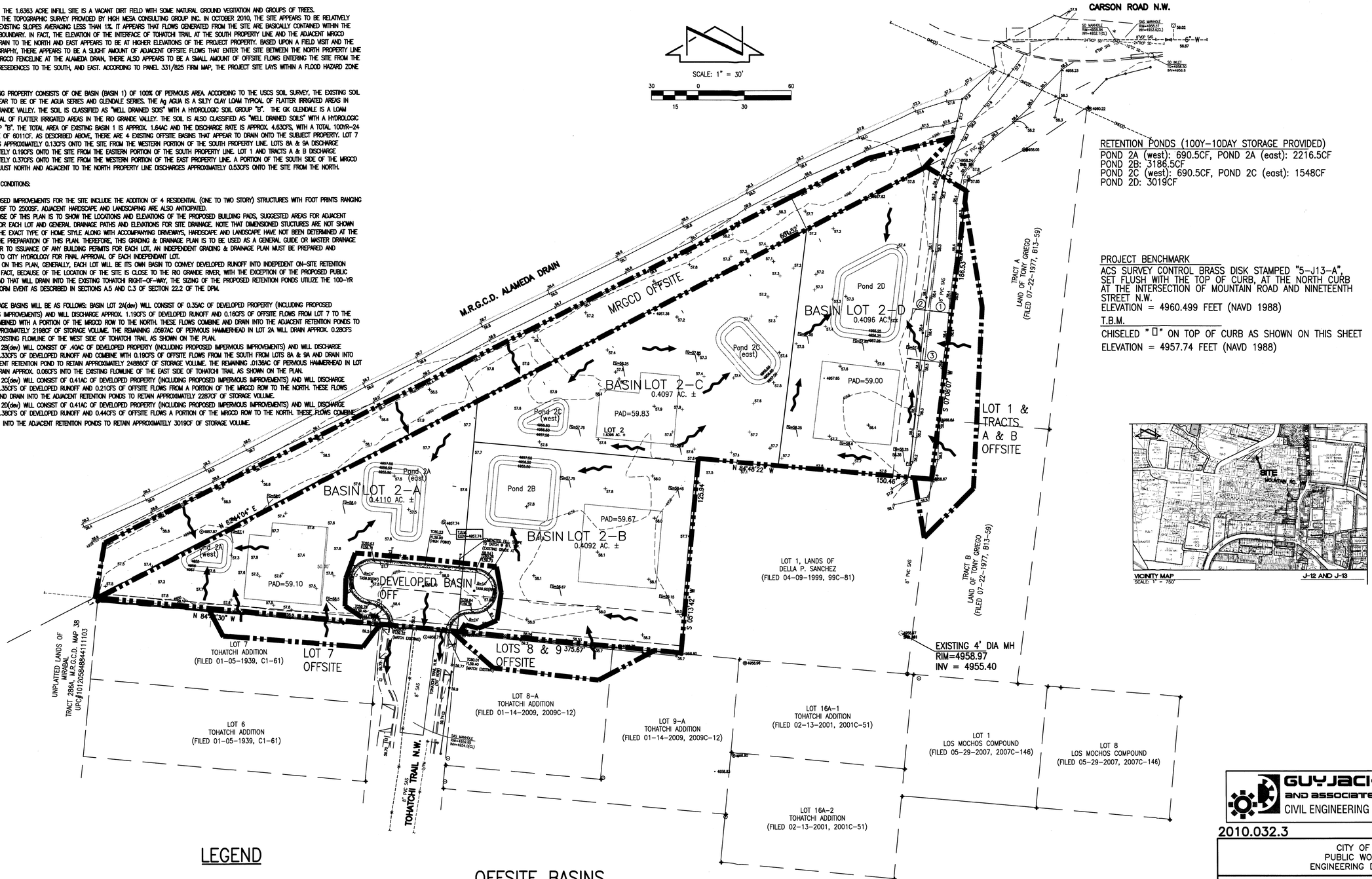
THE PROPOSED IMPROVEMENTS FOR THE SITE INCLUDE THE ADDITION OF 4 RESIDENTIAL (ONE TO TWO STORY) STRUCTURES WITH FOOT PRINTS RANGING FROM 1900SF TO 2500SF. ADJACENT HARDSCAPE AND LANDSCAPING ARE ALSO ANTICIPATED.
THE PURPOSE OF THIS PLAN IS TO SHOW THE LOCATIONS AND ELEVATIONS OF THE PROPOSED BUILDING PADS, SUGGESTED AREAS FOR ADJACENT PONDING FOR EACH LOT AND GENERAL DRAINAGE PATHS AND ELEVATIONS FOR SITE DRAINAGE. NOTE THAT DIMENSIONED STUCTURES ARE NOT SHOWN BECAUSE THE EXACT TYPE OF HOME STYLE ALONG WITH ACCOMPANYING DRIVEWAYS, HARDSCAPE AND LANDSCAPE HAVE NOT BEEN DETERMINED AT THE TIME OF THE PREPARATION OF THIS PLAN. THEREFORE, THIS GRADING & DRAINAGE PLAN IS TO BE USED AS A GENERAL GUIDE OR MASTER DRAINAGE PLAN. PRIOR TO ISSUANCE OF ANY BUILDING PERMITS FOR EACH LOT, AN INDEPENDENT GRADING & DRAINAGE PLAN MUST BE PREPARED AND PROVIDED TO CITY HYDROLOGY FOR FINAL APPROVAL OF EACH INDEPENDANT LOT.
AS SHOWN ON THIS PLAN, GENERALLY, EACH LOT WILL BE ITS OWN BASIN TO CONVEY DEVELOPED RUNOFF INTO INDEPEDENT ON-SITE RETENTION PONDS. IN FACT, BECAUSE OF THE LOCATION OF THE SITE IS CLOSE TO THE RIO GRANDE RIVER, WITH THE EXCEPTION OF THE PROPOSED PUBLIC HAMMERHEAD THAT WILL DRAIN INTO THE EXISTING TOHATCHI RIGHT-OF-WAY, THE SIZING OF THE PROPOSED RETENTION PONDS UTILIZE THE 100-YR 10-DAY STORM EVENT AS DESCRIBED IN SECTIONS A.5 AND C.3 OF SECTION 22.2 OF THE DPM.

THE DRAINAGE BASINS WILL BE AS FOLLOWS: BASIN LOT 2A(dev) WILL CONSIST OF 0.35AC OF DEVELOPED PROPERTY (INCLUDING PROPOSED IMPERVIOUS IMPROVEMENTS) AND WILL DISCHARGE APPROX. 1.19CFS OF DEVELOPED RUNOFF AND 0.18CFS OF OFFSITE FLOWS FROM LOT 7 TO THE SOUTH COMBINED WITH A PORTION OF THE MRGCD ROW TO THE NORTH. THESE FLOWS COMBINE AND DRAIN INTO THE ADJACENT RETENTION PONDS TO RETAIN APPROXIMATELY 2198CF OF STORAGE VOLUME. THE REMAINING .0597AC OF PERVIOUS HAMMERHEAD IN LOT 2A WILL DRAIN APPROX. 0.28CFS INTO THE EXISTING FLOWLINE OF THE WEST SIDE OF TOHATCHI TRAIL AS SHOWN ON THE PLAN.
BASIN LOT 2B(dev) WILL CONSIST OF .40AC OF DEVELOPED PROPERTY (INCLUDING PROPOSED IMPERVIOUS IMPROVEMENTS) AND WILL DISCHARGE APPROX. 1.33CFS OF DEVELOPED RUNOFF AND COMBINE WITH 0.19CFS OF OFFSITE FLOWS FROM THE SOUTH FROM LOTS 8A & 9A AND DRAIN INTO THE ADJACENT RETENTION POND TO RETAIN APPROXIMATELY 2488CF OF STORAGE VOLUME. THE REMAINING .0136AC OF PERVIOUS HAMMERHEAD IN LOT 2B WILL DRAIN APPROX. 0.06CFS INTO THE EXISTING FLOWLINE OF THE EAST SIDE OF TOHATCHI TRAIL AS SHOWN ON THE PLAN.
BASIN LOT 2C(dev) WILL CONSIST OF 0.41AC OF DEVELOPED PROPERTY (INCLUDING PROPOSED IMPERVIOUS IMPROVEMENTS) AND WILL DISCHARGE APPROX. 1.35CFS OF DEVELOPED RUNOFF AND 0.21CFS OF OFFSITE FLOWS FROM A PORTION OF THE MRGCD ROW TO THE NORTH. THESE FLOWS COMBINE AND DRAIN INTO THE ADJACENT RETENTION PONDS TO RETAIN APPROXIMATELY 2287CF OF STORAGE VOLUME.
BASIN LOT 2D(dev) WILL CONSIST OF 0.41AC OF DEVELOPED PROPERTY (INCLUDING PROPOSED IMPERVIOUS IMPROVEMENTS) AND WILL DISCHARGE APPROX. 1.38CFS OF DEVELOPED RUNOFF AND 0.44CFS OF OFFSITE FLOWS A PORTION OF THE MRGCD ROW TO THE NORTH. THESE FLOWS COMBINE AND DRAIN INTO THE ADJACENT RETENTION PONDS TO RETAIN APPROXIMATELY 3019CF OF STORAGE VOLUME.

CONCLUSIONS:
WITH THE EXCEPTION OF APPROXIMATELY 0.34CFS THAT WILL DRAIN INTO THE TOHATCHI RIGHT OF WAY, ALL OF THE REMAINING DEVELOPED FLOWS WILL BE CONTAINED IN THE RETENTION PONDS OF EACH LOT AS SHOWN.

THE DRAINAGE CALCULATIONS WERE PREPARED IN ACCORDANCE WITH SECTION 22.2 OF THE DPM (PART A-WATERSHEDS LESS THAN 40 ACRES) JANUARY 1993.

LEGAL DESCRIPTION
Lot 2, Lands of Della P. Sanchez, Albuquerque, New Mexico as the same is shown and designated on the plat filed in the Office of the County Clerk of Bernalillo County, New Mexico on April 09, 1999, Book 99C, Page 81, Document #1999048107.



RETENTION PONDS (100Y-10DAY STORAGE PROVIDED)
POND 2A (west): 690.5CF, POND 2A (east): 2216.5CF
POND 2B: 3186.5CF
POND 2C (west): 690.5CF, POND 2C (east): 1548CF
POND 2D: 3019CF

PROJECT BENCHMARK
ACS SURVEY CONTROL BRASS DISK STAMPED "5-J13-A", SET FLUSH WITH THE TOP OF CURB, AT THE NORTH CURB AT THE INTERSECTION OF MOUNTAIN ROAD AND NINETEENTH STREET N.W.
ELEVATION = 4960.499 FEET (NAVD 1988)

T.B.M.
CHISELED "□" ON TOP OF CURB AS SHOWN ON THIS SHEET
ELEVATION = 4957.74 FEET (NAVD 1988)

VICINITY MAP
SCALE: 1" = 750'

LEGEND

- DIRECTION OF FLOW
- PROPOSED BASIN BOUNDARY
- FG=57.75 PROPOSED SPOT ELEVATION
- +57.6 EXISTING SPOT ELEVATION
- 4958 EXISTING CONTOUR
- 4957 PROPOSED CONTOUR

OFFSITE BASINS

LOT 7: Q100=0.13CFS, V100 =0.005AC-FT
LOTS 8 & 9: Q100=0.19CFS, V100 =0.007AC-FT
LOT 1 & TRACTS A & B: Q100=0.37CFS, V100 =0.013AC-FT
MRGCD OFF: Q100=0.53CFS, V100 =0.015AC-FT

DEVELOPED CONDITIONS(includes offsites)

BASIN 2A_DEV: Q100=1.35CFS, V100-10day =0.05052AC-FT
BASIN 2B_DEV: Q100=1.52CFS, V100-10day =0.05711AC-FT
BASIN 2C_DEV: Q100=1.56CFS, V100-10day =0.05249AC-FT
BASIN 2D_DEV: Q100=1.82CFS, V100-10day =0.06930AC-FT
DEV BASIN OFF: Q100=0.34FS, V100 =0.04AC-FT

DESIGN SURVEY NOTE:
THIS IS NOT A BOUNDARY SURVEY. DATA IS SHOWN FOR ORIENTATION ONLY. BOUNDARY INFORMATION DEPICTED BY THIS PLAN IS BASED UPON BOUNDARY SURVEY BY HIGH MESA CONSULTING GROUP (NMPS 11184) DATED 10-29-2010 (2010.032.1) THE TOPOGRAPHIC INFORMATION DEPICTED HEREON IS BASED UPON TOPOGRAPHIC SURVEY PREPARED BY HIGH MESA CONSULTING GROUP (NMPS 11184) DATED 10-29-2010 (2010.032.1)

File Path: E:\DATA\2010.032.3\DWG | Plot Date: 03-29-2011
File Name: 100323_SH4.DWG | Plot Time: 07:47 am

SURVEY INFORMATION

NO.	BY	DATE
	FIELD NOTES	
100321	HMCG	10/2010

BENCH MARKS
PROJECT BENCHMARK
ACS 3 1/4" METALLIC DISC STAMPED "ACA BM, 20-J13", EPOXIED TO THE TOP OF A CURB IN THE SSW CURB RETURN AT THE INTERSECTION OF RIO GRANDE BOULEVARD AND CARSON ROAD N.W.
ELEVATION = 4960.0777 FEET (NAVD 1988)

AS BUILT INFORMATION
CONTRACTOR — DATE
STAKED BY — DATE
INSPECTOR'S ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

ENGINEER'S SEAL
GUY C. JACKSON NEW MEXICO 13289 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		Revisions	
		DESIGN	

Designed By G.C.J. Date 07-2012
Drawn By C.L.T. Date 07-2012
Checked By G.C.J. Date 07-2012

GUY JACKSON AND ASSOCIATES, LLC
CIVIL ENGINEERING

2010.032.3

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **MASTER GRADING & DRAINAGE PLAN**
NOT FOR CONSTRUCTION

ABCWUA
Last Design Update — Mo./Day/Yr. — Mo./Day/Yr.

City Project No. XXXXXX | Zone Map No. J-13 | Sheet 1 of 1

RECEIVED JUL 23 2012

DRAINAGE ANALYSIS

PROJECT DESCRIPTION:
THE PROJECT SITE IS LOCATED AT 230 TOHATCHI TRAIL NW. THE 1.6363 ACRE SITE IS BOUND BY THE MRGCD ALAMEDA DRAIN TO THE NORTH & EAST, CARSON RD NW TO THE NORTHEAST, TRACTS A & B – LAND OF TONY GREGO TO THE EAST, LOT 1 –LANDS OF DELLA SANCHEZ TO THE SOUTHEAST, LOTS 7, 8 & 9 –TOHATCHI ADDITION AND TOHATCHI TRAIL NW TO THE SOUTH.

EXISTING CONDITIONS:

Treatment A

CURRENTLY, THE 1.6363 ACRE INFILL SITE IS A VACANT DIRT FIELD WITH SOME NATURAL GROUND VEGITATION AND GROUPS OF TREES. ACCORDING THE TOPOGRAPHIC SURVEY PROVIDED BY HIGH MESA CONSULTING GROUP INC. IN OCTOBER 2010, THE SITE APPEARS TO BE RELATIVELY FLAT WITH EXISTING SLOPES AVERAGING LESS THAN 1%. IT APPEARS THAT FLOWS GENERATED FROM THE SITE ARE BASICALLY CONTAINED WITHIN THE PROPERTY BOUNDARY. IN FACT, THE ELEVATION OF THE INTERFACE OF TOHATCHI TRAIL AT THE SOUTH PROPERTY LINE AND THE ADJACENT MRGCD ALAMEDA DRAIN TO THE NORTH AND EAST APPEARS TO BE AT HIGHER ELEVATIONS OF THE PROJECT PROPERTY. THERE DOESN'T APPEAR TO BE ANY ADJACENT OFFSITE FLOWS THAT ENTER THE SITE. ACCORDING TO PANEL 331/825 FIRM MAP, THE PROJECT SITE LAYS WITHIN A FLOOD HAZARD ZONE "X". Protected by levee

THERE APPEARS TO BE 1 EXISTING BASIN THAT CONSISTS OF 100% OF PERVIOUS AREA. ACCORDING TO THE USCS SOIL SURVEY, THE EXISTING SOIL TYPES APPEAR TO BE OF THE AGUA SERIES AND GLENDALE SERIES. The Ag AGUA IS A SILTY CLAY LOAM TYPICAL OF FLATTER IRRIGATED AREAS IN THE RIO GRANDE VALLEY. THE SOIL IS CLASSIFIED AS "WELL DRAINED SOIS" WITH A HYDROLOGIC SOIL GROUP "B". THE GK GLENDALE IS A LOAM ALSO TYPICAL OF FLATTER IRRIGATED AREAS IN THE RIO GRANDE VALLEY. THE SOIL IS ALSO CLASSIFIED AS "WELL DRAINED SOILS" WITH A HYDROLOGIC SOIL GROUP "B". THE TOTAL AREA OF EXISTING BASIN 1 IS APPROX. 1.64AC AND THE DISCHARGE RATE IS APPROX. 4.63CFS, WITH A TOTAL 100YR-24 HR VOLUME OF 6011CF.

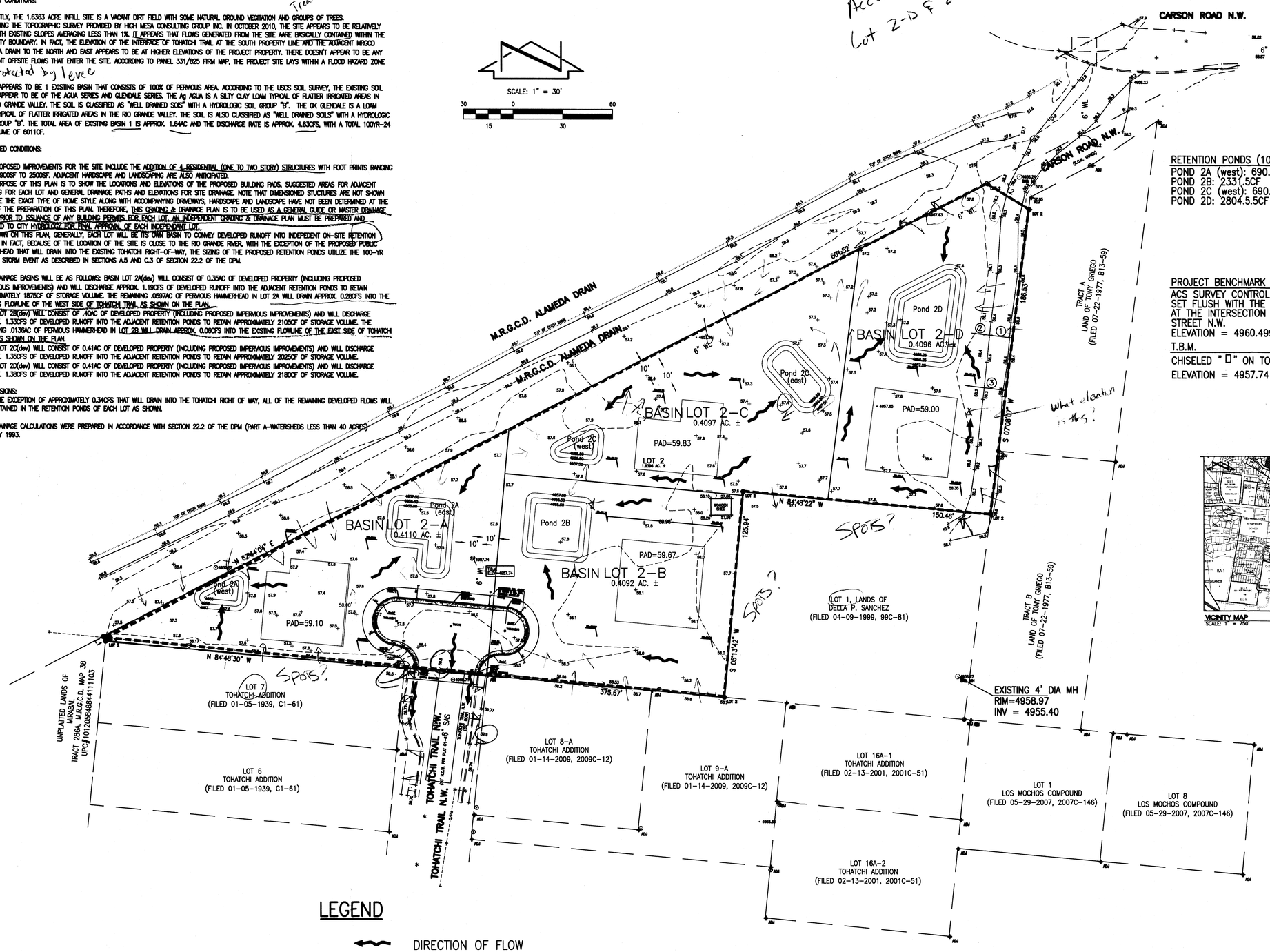
PROPOSED CONDITIONS:

THE PROPOSED IMPROVEMENTS FOR THE SITE INCLUDE THE ADDITION OF 4-RESIDENTIAL (ONE TO TWO STORY) STRUCTURES WITH FOOT PRINTS RANGING FROM 1900SF TO 2500SF. ADJACENT HARDSCAPE AND LANDSCAPING ARE ALSO ANTICIPATED.
THE PURPOSE OF THIS PLAN IS TO SHOW THE LOCATIONS AND ELEVATIONS OF THE PROPOSED BUILDING PADS, SUGGESTED AREAS FOR ADJACENT PONDING FOR EACH LOT AND GENERAL DRAINAGE PATHS AND ELEVATIONS FOR SITE DRAINAGE. NOTE THAT DIMENSIONED STUCTURES ARE NOT SHOWN BECAUSE THE EXACT TYPE OF HOME STYLE ALONG WITH ACCOMPANYING DRIVEWAYS, HARDSCAPE AND LANDSCAPE HAVE NOT BEEN DETERMINED AT THE TIME OF THE PREPARATION OF THIS PLAN. THEREFORE, THIS GRADING & DRAINAGE PLAN IS TO BE USED AS A GENERAL GUIDE OR MASTER DRAINAGE PLAN. PRIOR TO ISSUANCE OF ANY BUILDING PERMITS FOR EACH LOT, AN INDEPENDENT GRADING & DRAINAGE PLAN MUST BE PREPARED AND PROVIDED TO CITY HYDROLOGY FOR FINAL APPROVAL OF EACH INDEPENDANT LOT.
AS SHOWN ON THIS PLAN, GENERALLY, EACH LOT WILL BE ITS OWN BASIN TO CONVEY DEVELOPED RUNOFF INTO INDEPEDENT ON-SITE RETENTION PONDS. IN FACT, BECAUSE OF THE LOCATION OF THE SITE IS CLOSE TO THE RIO GRANDE RIVER, WITH THE EXCEPTION OF THE PROPOSED PUBLIC HAMMERHEAD THAT WILL DRAIN INTO THE EXISTING TOHATCHI RIGHT-OF-WAY, THE SIZING OF THE PROPOSED RETENTION PONDS UTILIZE THE 100-YR 10-DAY STORM EVENT AS DESCRIBED IN SECTIONS A.5 AND C.3 OF SECTION 22.2 OF THE DPM.

THE DRAINAGE BASINS WILL BE AS FOLLOWS: BASIN LOT 2A(dev) WILL CONSIST OF 0.35AC OF DEVELOPED PROPERTY (INCLUDING PROPOSED IMPERVIOUS IMPROVEMENTS) AND WILL DISCHARGE APPROX. 1.19CFS OF DEVELOPED RUNOFF INTO THE ADJACENT RETENTION PONDS TO RETAIN APPROXIMATELY 1875CF OF STORAGE VOLUME. THE REMAINING .0597AC OF PERVIOUS HAMMER-HEAD IN LOT 2A WILL DRAIN APPROX. 0.28CFS INTO THE EXISTING FLOWLINE OF THE WEST SIDE OF TOHATCH TRAIL AS SHOWN ON THE PLAN.
BASIN LOT 2B(dev) WILL CONSIST OF .40AC OF DEVELOPED PROPERTY (INCLUDING PROPOSED IMPERVIOUS IMPROVEMENTS) AND WILL DISCHARGE APPROX. 1.33CFS OF DEVELOPED RUNOFF INTO THE ADJACENT RETENTION PONDS TO RETAIN APPROXIMATELY 2105CF OF STORAGE VOLUME. THE REMAINING .0136AC OF PERVIOUS HAMMERHEAD IN LOT 2B WILL DRAIN APPROX. 0.06CFS INTO THE EXISTING FLOWLINE OF THE EAST SIDE OF TOHATCH TRAIL AS SHOWN ON THE PLAN.
BASIN LOT 2C(dev) WILL CONSIST OF 0.41AC OF DEVELOPED PROPERTY (INCLUDING PROPOSED IMPERVIOUS IMPROVEMENTS) AND WILL DISCHARGE APPROX. 1.35CFS OF DEVELOPED RUNOFF INTO THE ADJACENT RETENTION PONDS TO RETAIN APPROXIMATELY 2025CF OF STORAGE VOLUME.
BASIN LOT 2D(dev) WILL CONSIST OF 0.41AC OF DEVELOPED PROPERTY (INCLUDING PROPOSED IMPERVIOUS IMPROVEMENTS) AND WILL DISCHARGE APPROX. 1.38CFS OF DEVELOPED RUNOFF INTO THE ADJACENT RETENTION PONDS TO RETAIN APPROXIMATELY 2180CF OF STORAGE VOLUME.

CONCLUSIONS:
WITH THE EXCEPTION OF APPROXIMATELY 0.34CFS THAT WILL DRAIN INTO THE TOHATCHI RIGHT OF WAY, ALL OF THE REMAINING DEVELOPED FLOWS WILL BE CONTAINED IN THE RETENTION PONDS OF EACH LOT AS SHOWN.

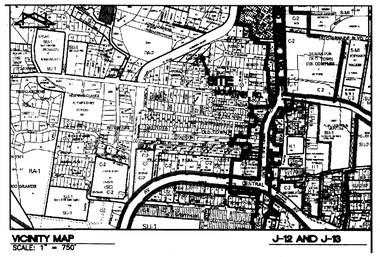
THE DRAINAGE CALCULATIONS WERE PREPARED IN ACCORDANCE WITH SECTION 22.2 OF THE DPM (PART A-WATERSHEDS LESS THAN 40 ACRES) JANUARY 1993.



RETENTION PONDS (100Y-10DAY REQ STORAGE)
POND 2A (west): 690.5CF, POND 2A (east): 2216.5CF
POND 2B: 2331.5CF
POND 2C (west): 690.5CF, POND 2C (east): 1548CF
POND 2D: 2804.5.5CF

PROJECT BENCHMARK
ACS SURVEY CONTROL BRASS DISK STAMPED "5-J13-A", SET FLUSH WITH THE TOP OF CURB, AT THE NORTH CURB AT THE INTERSECTION OF MOUNTAIN ROAD AND NINETEENTH STREET N.W.
ELEVATION = 4960.499 FEET (NAVD 1988)

T.B.M.
CHISELED "□" ON TOP OF CURB AS SHOWN ON THIS SHEET
ELEVATION = 4957.74 FEET (NAVD 1988)



VICINITY MAP
SCALE: 1" = 750'

RECEIVED
JUL 12 2012
HYDROLOGY SECTION

GUY JACKSON AND ASSOCIATES, LLC
CIVIL ENGINEERING

2010.032.3

LEGEND

DIRECTION OF FLOW
PROPOSED BASIN BOUNDARY
FG=57.75 PROPOSED SPOT ELEVATION
+57.6 EXIST. SPOT ELEVATION

DESIGN SURVEY NOTE:
THIS IS NOT A BOUNDARY SURVEY. DATA IS SHOWN FOR ORIENTATION ONLY. BOUNDARY INFORMATION DEPICTED BY THIS PLAN IS BASED UPON BOUNDARY SURVEY BY HIGH MESA CONSULTING GROUP (NMPS 11184) DATED 10-29-2010 (2010.032.1) THE TOPOGRAPHIC INFORMATION DEPICTED HEREON IS BASED UPON TOPOGRAPHIC SURVEY PREPARED BY HIGH MESA CONSULTING GROUP (NMPS 11184) DATED 10-29-2010 (2010.032.1)

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **MASTER GRADING & DRAINAGE PLAN**
NOT FOR CONSTRUCTION

ABCWUA

Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No. XXXXXX | Zone Map No. J-13 | Sheet 1 Of 1

AS BUILT INFORMATION
CONTRACTOR | DATE
STAKED BY
INSPECTOR'S ACCEPTANCE BY | DATE
FIELD VERIFICATION BY | DATE
DRAWINGS CORRECTED BY | DATE
MICRO-FILM INFORMATION
RECORDED BY | DATE
NO.

BENCH MARKS
PROJECT BENCHMARK
ACS 3 1/4" METALLIC DISC STAMPED "ACA BM, 20-J13", EPOXIED TO THE TOP OF A CURB IN THE SSW CURB RETURN AT THE INTERSECTION OF RIO GRANDE BOULEVARD AND CARSON ROAD N.W.
ELEVATION = 4960.0717 FEET (NAVD 1988)

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
100321	HMCG	10/2010

ENGINEER'S SEAL
GUY C. JACKSON NEW MEXICO 13289 REGISTERED PROFESSIONAL ENGINEER 7/13/12

NO.	DATE	REMARKS	BY
		Revisions	

DESIGN

		Date
Designed By	G.C.J.	07-2012
Drawn By	C.L.T.	07-2012
Checked By	G.C.J.	07-2012

File Path: E:\DATA\2010.032.3\DWG\ | Plot Date: 03-29-2011
File Name: 100323_SH4.DWG | Plot Time: 07:47 am