



FIRM MAP NO. 35001C0141G

VICINITY MAP C-19-Z

LOCATION & DESCRIPTION
 THE PROPOSED SITE IS 0.72 ACRES LOCATED ON THE SOUTH SIDE OF OAKLAND AVENUE WEST OF WYOMING BLVD. AS SEEN ON THE VICINITY MAP. THE SITE WAS DEVELOPED AS AN ATHLETIC FIELD AND BUILDINGS. THE ADJACENT PROPERTIES TO THE WEST ARE DEVELOPED HIGHER DENSITY WALLED COMMUNITY. TO THE EAST IS THE CONSTRUCTION OF A GROUP LIVING SITE. THE PROPOSED DEVELOPMENT WILL BE FIVE (5) SINGLE FAMILY RESIDENTIAL LOTS ON A CUL-DE-SAC.

FLOODPLAIN STATUS
 THIS PROJECT, AS SHOWN ON FEMA'S FLOOD INSURANCE RATE MAP 35001C0141 G, DATED APRIL 2, 2002 IS NOT WITHIN A DESIGNATED 100-YEAR FLOODPLAIN. AN EXHIBIT WITH THE SITE SHOWN ON THE FIRM PANEL IS INCLUDED ON THIS SHEET.

METHODOLOGY
 THE HYDROLOGY FOR THIS PROJECT WAS ANALYZED USING AHYMO SOFTWARE.

PRECIPITATION
 THE 100-YR 6-HR DURATION STORM WAS USED AS THE DESIGN STORM FOR THIS ANALYSIS. THIS SITE IS WITHIN ZONE 3 AS IDENTIFIED IN THE CITY OF ALBUQUERQUE DEVELOPMENT PROCESS MANUAL, SECTION 22.2.

EXISTING DRAINAGE
 THE SITE IS WITHIN THE AREA OF THE NORTH A ALBUQUERQUE ACERS DRAINAGE MASTER PLAN. THE LAND USE PERCENTAGES OF THAT STUDY ARE UTILIZED IN THE ANALYSIS LISTED BELOW. THIS SITE DRAINS TO THE EXISTING CURB AND GUTTER IN OAKLAND AVENUE.

DEVELOPED CONDITION
 THIS SITE WILL BE DEVELOPED WITH A SINGLE STREET INTERCEPTING ALL OF THE SITE RUNOFF. THE RUNOFF WILL FREE DISCHARGE INTO OAKLAND AVENUE. OAKLAND AVENUE WILL CONVEY FLOW ALONG THE CURB TO INLETS LOCATED WEST OF THE SITE IN OAKLAND AVENUE. THE 0.27 CFS INCREASE, FOR THE 100-YEAR PEAK RUNOFF, DUE TO THIS DEVELOPMENT IS INSIGNIFICANT AND WILL HAVE MINIMAL IMPACT ON DOWNSTREAM FACILITIES.

HYDROLOGIC DATA - NAADMP

BASINS	AREA (acres)	LAND TREATMENT PERCENTAGES BY TYPE				YIELD (cfs/ac)	Q ₁₀₀ (cfs)	V ₁₀₀₋₂₄ (acft)
		A	B	C	D			
A	0.72	0	0	70	30	3.90	2.79	0.096

HYDROLOGIC DATA - PROPOSED

BASINS	AREA (acres)	LAND TREATMENT PERCENTAGES BY TYPE				YIELD (cfs/ac)	Q ₁₀₀ (cfs)	V ₁₀₀₋₂₄ (acft)
		A	B	C	D			
A	0.72	0	0	45	55	4.28	3.06	0.112

LEGAL DESCRIPTION

ALBESBA SUBDIVISION
 (BEING A REPLAT OF LOT 12, BLOCK 3, UNIT 3, TRACT 2)
 WITHIN NORTH ALBUQUERQUE ACRES
 IN PROJECTED SECTION 17, TOWNSHIP 11 NORTH, RANGE 4 EAST
 ELENA CALLECCO LAND GRANT NEW MEXICO PRINCIPAL MERIDIAN
 CITY OF ALBUQUERQUE BERNALILLO COUNTY, NEW MEXICO

REQUIRED FIRST FLUSH VOLUME

LOT DRAINAGE AS DEPICTED ON THIS PLAN SHALL BE MAINTAINED.
 LOT DEPICTED HEREON SHALL BE RESPONSIBLE FOR MAINTAINING FIRST FLUSH RUNOFF RETENTION ON THE LOT IMMEDIATELY PRIOR TO DISCHARGE. THE VOLUME SHALL BE EQUAL TO: ROOF AREA * (0.44-0.10)/12 IN CUBIC FEET.
 ROOF AREA = 2734 SQ.FT.
 REQUIRED VOLUME = 2734 * (0.44-0.10)/12 = 78 CU.FT.
 VOLUME PROVIDED = 80 CU.FT.

LEGEND

- > FLOW ARROW
- > SLOPE ARROW
- EL=11.28 PROPOSED ELEVATION
- x 66.33 EXISTING ELEVATION
- ~~~~ GRADE BREAK
- — — — EXISTING CONTOUR
- — — — EXISTING CONTOUR
- — — — PROPOSED EASEMENT
- 4.00% PROPOSED GRADE
- — — — EXISTING WALL
- — — — PROPOSED WALL

NOTES
 THE ENGINEER HAS UNDERTAKEN LIMITED FIELD VERIFICATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UNDERGROUND UTILITY LINES. MAKES NO REPRESENTATION PERTAINING THERETO AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFORE. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY, AND PRESERVE ANY AND ALL EXISTING UTILITIES. THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES IN PLANNING AND CONDUCTING EXCAVATION, WHETHER BY CALLING OR NOTIFYING THE UTILITIES, COMPLYING WITH "BLUE STAKES" PROCEDURES, OR OTHERWISE.
 THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL REMAIN THE RESPONSIBILITY OF THE CONTRACTOR.
 THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, ARE INTENDED FOR USE ON THIS PROJECT AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF AND ENGINEERING, LLC. IN THE EVENT OF UNAUTHORIZED USE, THE USER ASSUMES ALL RESPONSIBILITY AND LIABILITY WHICH RESULTS.

GENERAL NOTES:
 1. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER THIS CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREIN, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION, UPDATE NO. 8.
 2. THE EROSION PROTECTION SPECIFIED ON THIS PLAN IS THE MINIMUM RECOMMENDED. THE OWNER IS ENCOURAGED TO INCORPORATE EROSION RESISTANT LANDSCAPING ON AREAS WHERE EROSION MAY OCCUR SUCH AS SLOPES AND SWALES. THE OWNER IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION CONTROL FEATURES NECESSARY TO PRESERVE THE DESIGN INTENT OF THE GRADING PLAN.
 3. THE DRAINAGE INFRASTRUCTURE SHOWN ON THIS PLAN IS THE RESPONSIBILITY OF THE PROPERTY OWNER.
 4. ALL DISTURBED AREAS OUTSIDE THE BUILDING PAD MUST BE RESEDED OR LANDSCAPED.
 5. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, (260-1990) FOR LOCATION OF EXISTING UTILITIES.
 6. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS AND EXISTING PAVEMENT. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM OF DELAY.
 7. THE DRAINAGE INFRASTRUCTURE SHOWN ON THIS PLAN IS THE RESPONSIBILITY OF THE PROPERTY OWNER.
 8. ALL DISTURBED AREAS OUTSIDE THE BUILDING PAD MUST BE RESEDED OR LANDSCAPED.
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EROSION CONTROL NOTES
 1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
 2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
 3. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
 4. REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
 5. ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL (CITY) ACCEPTANCE OF ANY PROJECT.

THE Group

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CITY OF ALBUQUERQUE
 PUBLIC WORKS DEPARTMENT
 ENGINEERING DEVELOPMENT GROUP
 OAKLAND HEIGHTS SUBDIVISION
 BEING A REPLAT OF LOT 12, BLOCK 3, UNIT 2, TRACT 2, NAA
 GRADING & DRAINAGE PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	Mo./DAY/YR.	Mo./DAY/YR.
LAST DESIGN UPDATE			

AS BUILT INFORMATION

CONTRACTOR	DATE
STAKED BY	DATE
INSPECTED BY	DATE
FIELD CHANGE BY	DATE
DESIGNED BY	DATE
CHECKED BY	DATE
RECORDED BY	DATE

BENCH MARKS

ACS BM 20-C18 ON WYOMING BOULEVARD NE, TURN LEFT AND TRAVEL NORTH ON WYOMING BOULEVARD 1.0 MILES TO MODESTO AVENUE NE. THE BENCHMARK IS A 1 3/4" METALLIC DISK EXPOSED TO THE TOP OF THE WEST BACK OF CURB OF WYOMING BOULEVARD, NORTH OF THE APPROXIMATE CENTERLINE OF MODESTO AVENUE, 19.0 FEET NORTHWEST OF A STORM SEWER MANHOLE LID, STAMPED "ACS BM 20-C18" 1989" X=1547745.03 Y=1547745.88 (NAD 83) ELEV=5393.48 (NAND 1988)

SURVEY INFORMATION

FIELD NOTES	DATE	BY
NO.		

ENGINEER'S SEAL

SOLO E. HENSELEY
 LICENSED PROFESSIONAL ENGINEER
 STATE OF NEW MEXICO
 LICENSE NO. 127650
 12/17

REVISIONS

NO.	DATE	REVISIONS
1	NOV. 2015	DESIGN
2	NOV. 2015	
3	DEC. 2015	

DESIGNED BY: REH
 DRAWN BY: REH
 CHECKED BY: REH