

500-YEAR FLOODPLAIN. SURVEYOR: RUSS P. HUGG, NMPS NO. 9750 DRAINAGE CERTIFICATION

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2014 04/21/14 **CG-101** BJB/DEC Ckd By: SH. OF FCA

PROPOSED SPOT AND CONTOUR ELEVATIONS SHOWN REPRESENT TOP OF FINISH MATERIAL (I.E. TOP OF CONCRETE, TOP OF CONCRETE BUILDING PAD, TOP OF PAVEMENT MATERIAL, TOP OF LANDSCAPING MATERIAL, ETC.). CONTRACTOR SHALL GRADE, COMPACT SUBGRADE AND DETERMINE EARTHWORK ESTIMATES BASED ON ELEVATIONS SHOWN MINUS FINISH MATERIAL THICKNESSES.

G. IF FIELD GRADE ADJUSTMENTS ARE REQUIRED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER.

EXISTING UTILITY LINES ARE SHOWN IN AN APPROXIMATE MANNER ONLY AND MAY BE INCOMPLETE OR OBSOLETE. SUCH LINES MAY OR MAY NOT EXIST WHERE SHOWN OR NOT SHOWN. CONTRACTOR SHALL CONTACT NM-811 FOR UTILITY LINE SPOTS TWO WORKING DAYS PRIOR TO CONDUCTING SITE FIELD WORK. CONTRACTOR SHALL FIELD VERIFY AND LOCATE ALL UTILITIES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION. CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES, AND UNDERGROUND UTILITY LINES.

OWNER WILL PROVIDE SOIL TESTING AND INSPECTION SERVICES DURING EARTHWORK OPERATIONS. CONTRACTOR SHALL ALLOW TESTING LABS TO INSPECT AND APPROVE COMPACTED SUBGRADES AND FILL LAYERS BEFORE FURTHER CONSTRUCTION WORK IS DONE. SHOULD COMPACTION TESTS INDICATE INADEQUATE DENSITY, CONTRACTOR SHALL PROVIDE ADDITIONAL COMPACTION AND TESTING AT THE CONTRACTOR'S SOLE EXPENSE.

OWNER HAS ESTABLISHED PROPERTY BOUNDARY CORNERS. CONTRACTOR SHALL PROVIDE ALL OTHER CONSTRUCTION STAKING. CONTRACTOR SHALL LOCATE AND PRESERVE ALL BOUNDARY CORNERS AND REPLACE ANY LOST OR DISTURBED CORNERS AT CONTRACTOR'S SOLE EXPENSE.

. THE ENVIRONMENTAL PROTECTION AGENCY (EPA) AND THE CITY OF ALBUQUERQUE REQUIRE A STORM WATER POLLUTION PREVENTION PLAN (SWPPP), AN NDPES PERMIT, AND AN EROSION AND SEDIMENT CONTROL (ESC) PERMIT FOR PROJECTS WHERE CONSTRUCTION ACTIVITIES MEET THE EPA THRESHOLD. (SWPPP, NPDES PERMIT, AND ESC PLAN BY OTHERS.) A CITY-APPROVED ESC PERMIT MUST BE INCLUDED WITH THE CONTRACTOR'S SUBMITTAL FOR A ROUGH GRADING, GRADING, PAVING, BUILDING, OR WORK

ADJUST RIMS OF EXISTING UTILITY FEATURES AS NECESSARY TO MATCH NEW GRADES.

M. WHERE GRADES BETWEEN NEW AND EXISTING ARE SHOWN AS 'MATCH' OR '±'. TRANSITIONS SHALL BE SMOOTH.

HOPE COURT (ROLL CURB & GUTTER) AND INTERSECTION AT SIGNAL AVE. TO BE CONSTRUCTED BY PUBLIC

3. NEW COVERED SIDEWALK CURVERT TO PASS FLOW TO SIGNAL AVE. TO BE CONSTRUCTED BY PUBLIC WORK

INSTALL 12" SQUARE ADS INLINE DRAIN WITH HINGED GRATE AT RIM ELEVATION SHOWN. EXTEND 4" OUTLET PIPE THROUGH WALL WITH INVERT 0.5' ABOVE TOP OF ADJACENT EXISTING CURB. PROVIDE TURNED BLOCK IN

5. CONSTRUCT 1' WIDE (BOTTOM WIDTH) X 4" THICK 'U' SHAPED CONCRETE RUNDOWN FROM 4" PIPE OUTLET TO

6. CONSTRUCT TWO TERRACED (30" MAX. HEIGHT EACH) RETAINING WALLS TO ACHIEVE GRADE DIFFERENCE

NEW PEDESTRIAN ACCESS WALK WITH TURNED-DOWN EDGE. GRADE TRANSITION RAMPS, PRIVATE COVERED

1976

13.2

AVENUE

12" WIDE-

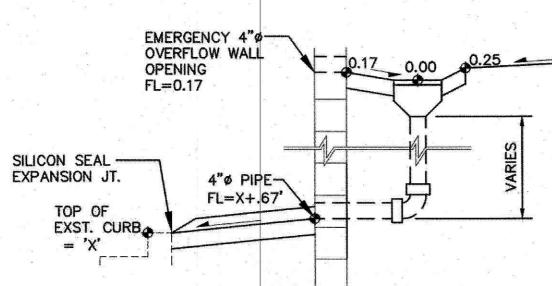
START OF -

WALL

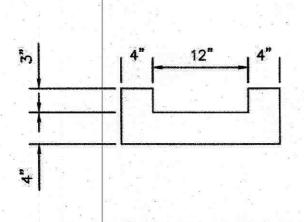
RETAINING

CONC. (MIN)

10. 10'X10'X1' DEEP F.F.ROCK EROSION CONTROL AT BACK OF SIDEWALK CULVERT. MATCH FLOWLINE ELEVATIONS



DRAIN DETAIL: SECTION SCALE: 1"=5'



CONCRETE RUNDOWN

12" WIDE-

CONC. (MIN)

5513.50

P6 13. 51

Elev = 5508.72 (NAVD88,

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FOR INFORMATION ONLY CPN 745785 SHEET 5 OF 11

EXISTING CHURCH ACCESS ROAD TOP OF CURB. SLOPE = 2%. SEE SECTION AND DETAILS THIS SHEET.

SIDEWALK CULVERT AS SHOWN TO BE CONSTRUCTED IN COORDINATION WITH ADJACENT PROPERTY OWNER.

9. ROOFS TO SHED FLOW TO E, W, & S. NO ROOF FLOW WILL DISCHARGE TO THE NORTH / ADJACENT PROPERTY

LEGEND 4.00'

C-20-Z

1"=750'± LESCHOOL

PROPOSED FINISH FLOOR ELEVATION

PROPOSED FLOW DIRECTION

SUB-BASIN BOUNDARY

PROJECT DATA

VICINITY MAP

PROPERTY: THE SITE IS AN UNDEVELOPED PROPERTY LOCATED WITHIN CITY OF ALBUQUERQUE ZONE MAP C-20-Z. THE SITE IS BOUND TO THE WEST BY A PRIVATE CHURCH ACCESS DRIVE, TO THE NORTH AND EAST BY EXISTING CHURCH PARKING, AND TO THE SOUTH BY SIGNAL AVE. NE.

PROPOSED IMPROVEMENTS: THE PROPOSED IMPROVEMENTS INCLUDE THE CONSTRUCTION OF A SIX UNIT RESIDENTIAL SUBDIVISION WITH AN ASSOCIATED ASPHALT PAVED ROAD.

LEGAL: LOTS 1 - 6. HOPE PLAZA, CITY OF ALBUQUERQUE, NEW MEXICO.

AREA: 29,643 SF (LOTS 1-6)

BENCHMARK: ALBUQUERQUE CONTROL SURVEY MONUMENT "7-C19", ELEVATION = 5485.723 (NAVD 1988)

OFF-SITE: NO OFF-SITE FLOW IMPACTS THIS PROPERTY.

FLOOD HAZARD: PER BERNALILLO COUNTY FIRM MAP #35001C0141G, THE SITE IS LOCATED WITHIN FLOODZONE 'X' (UNSHADED) DESIGNATED AS AREAS DETERMINED TO BE OUTSIDE

I, Fred C. Arfman, NMPE No. 7322, of the firm Isaacson & Arfman, PA, hereby certify that this project has been graded and will drain in substantial compliance with and in accordance with the design intent of the approved plan dated April 28, 2014. The record information edited onto the original design document has been obtained by Russ Hugg, NMPS No. 9750, of the firm Surv-Tek, Inc. I further certify that I have personally visited the project site on January 7, 2015 and have determined by visual inspection that the survey data provided is representative of actual site conditions and is true and correct to the best of my knowledge and belief. This certification is submitted in support of a request for Grading & Drainage Certification.

The record information presented hereon is not necessarily complete and intended only to verify substantial compliance of the grading and drainage aspects of this project. Those relying on this record document are advised to obtain independent verification of its accuracy before using it for any other purpose.

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> HOPE PLAZA SUBDIVISION HOPEFUL DIRT, LLC.

GRADING & DRAINAGE PLAN