

CITY OF ALBUQUERQUE



April 5, 2018

J. Graeme Means, PE
High Mesa Consulting Group
6010 -B Midway Park Blvd NE
Albuquerque, NM 87109

Re: Loid's Collison Center
5401 San Diego Ave NE
Request 30-Day Temporary C.O. – Accepted
Engineer's Stamp dated: 11/15/2016 (B18D010)
Certification dated: 4-2-18

Dear Mr. Means

Based on the Certification received 4/4/2018, the above referenced is approved for a 30-day Temporary Release of Occupancy by Hydrology. However, before a permanent CO can be accepted the following comments must be addressed:

- Submit Private Facility Drainage Covenant for ponding

An inspection by our office will need to take place after these corrections are made.

If you have any questions, you can contact me at 924-3986 or Totten Elliott at 924-3982.


Sincerely,

James D. Hughes, P.E.
Principal Engineer, Planning Dept.
Development and Review Services

TE/JH

C: email Serna, Yvette M.; Fox, Debi; Tena, Victoria C.; Zamora, Rene;
Sandoval, Darlene M.

File Path: P:\MWA\2016\2016.015\2\DWG File Name: 160152_CG-101_A3.DWG Plot Date: 04-02-2018 Plot Time: 3:32 pm

NO.	DATE	BY	REVISIONS
	04/18	G.M.	ENGINEER'S CERTIFICATION

JON ANDERSONARCHITECTURE
912 ROMA AVE NW | ALBUQUERQUE, NM 87102 P | 505.764.8306 F | 505.764.2879
jonandersonarchitecture.com

5401 SAN DIEGO AVE NE

LOIDS COLLISION

DRAINAGE PLAN

I. INTRODUCTION AND EXECUTIVE SUMMARY

THIS PROJECT, LOCATED IN THE NORTH ALBUQUERQUE ACRES PORTION OF THE I-25 SECTOR DEVELOPMENT PLAN, REPRESENTS A MODIFICATION TO AN EXISTING SITE WITHIN AN INFILL AREA. THE PROPOSED DEVELOPMENT IS COMPOSED OF A PARTIAL RECONSTRUCTION OF AN EXISTING COMMERCIAL SITE WITH EXPANSION TO THE EXISTING UNDEVELOPED LOT TO THE WEST OF THE EXISTING SITE. THE TWO LOTS WILL BE COMBINED VIA PLATTING ACTION CONCURRENT WITH THIS PLAN, AND PUBLIC STREET PAVING IMPROVEMENTS WILL BE CONSTRUCTED IN THE PROJECT FRONTAGE TO REPLACE EXISTING TEMPORARY PAVING ALONG THE FRONTAGE OF THE TWO LOTS (BY SEPARATE PERMIT). THE UPSTREAM AND DOWNSTREAM PAVING AND UTILITY INFRASTRUCTURE, INCLUDING DOWNSTREAM STORM DRAINAGE IMPROVEMENTS, IS ALREADY IN PLACE FROM PREVIOUS PROJECTS. THE DRAINAGE CONCEPT FOR THIS PROJECT WILL BE THE CONTINUED FREE DISCHARGE OF DEVELOPED RUNOFF TO THE ADJACENT PUBLIC STREET, SAN DIEGO AVENUE NE.

THIS SUBMITTAL IS MADE IN SUPPORT OF BUILDING PERMIT TO BE ISSUED BY THE CITY OF ALBUQUERQUE.

II. PROJECT DESCRIPTION

AS SHOWN BY PANEL 129 OF 825 OF THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAPS PUBLISHED BY FEMA FOR BERNALILLO COUNTY, NEW MEXICO, REVISED AUGUST 16, 2012, THIS SITE DOES NOT LIE WITHIN A DESIGNATED FLOOD HAZARD ZONE. THIS SITE IS SITUATED ACROSS THE STREET FROM THE AMAFCA NORTH LA CUEVA CHANNEL WHERE ZONE 'A' FLOODING IS CONFINED TO THE CONSTRUCTED CHANNEL.

III. BACKGROUND DOCUMENTS AND RESEARCH

THE PREPARATION OF THIS SUBMITTAL RELIED UPON THE FOLLOWING DOCUMENTS:

- GRADING AND DRAINAGE PLAN PREPARED BY ADVANCED ENGINEERING AND CONSULTING, LLC DATED 4/19/2003. THIS 2003 ESTABLISHED THE PRECEDENT FOR FREE DISCHARGE FROM THE DEVELOPED SITE TO SAN DIEGO AVE NE, THE PUBLIC STREET IMMEDIATELY SOUTH OF THE SITE.
- REVIEW OF CITY OF ALBUQUERQUE DRAINAGE FILE (B-18) FOR SAN DIEGO AVE NE INDICATED THE EXISTENCE OF MULTIPLE PUBLIC STORM INLETS AT THE INTERSECTION OF SAN DIEGO AVE NE AND SAN MATEO BLVD NE. DOWNSTREAM OF THE PROJECT SITE, THESE INLETS ARE CONNECTED VIA 42" PUBLIC STORM DRAIN TO THE LA CUEVA CHANNEL. AN AMAFCA OWNED AND OPERATED STORMWATER DRAINAGE CHANNEL. CORRESPONDENCE FROM JUNE 2016 BETWEEN GRAEME MEANS (HMC PROJECT ENGINEER), ABEL CARRILLO (COA HYDROLOGY ENGINEER) AND LYNN MAZUR (AMAFCA) CONFIRMED THAT THESE STORM DRAIN IMPROVEMENTS ARE SIZED AND DESIGNED TO ACCEPT DEVELOPED RUNOFF FROM THE IMMEDIATE UPSTREAM LOTS 29-32, WHICH INCLUDES THE PROJECT SITE (LOTS 29 AND 30).
- TOPOGRAPHIC SURVEY PREPARED BY HIGH MESA CONSULTING GROUP, NMPS 11184, DATED 3/10/2016. THE SURVEY PROVIDES THE EXISTING CONDITIONS FOR THIS PROJECT.

IV. EXISTING CONDITIONS

THE EXISTING SITE CONSISTS OF A DEVELOPED LOT (29) TO THE EAST WITH AN EXISTING BUILDING AND ASPHALT PAVED PARKING LOT. COMBINED WITH AN UNDEVELOPED LOT (30) TO THE WEST. THE OVERALL SITE GENERALLY SLOPES DOWNHILL FROM EAST TO WEST, WITH AN AVERAGE GRADE OF 1.5%. RUNOFF SHEET FLOWS FROM EAST TO WEST, FROM THE EXISTING DEVELOPED LOT ONTO THE UNDEVELOPED LOT TO THE WEST, AND TO THE SOUTHWEST CORNER OF THE SITE WHERE IT FREE DISCHARGES INTO THE SAN DIEGO AVE NE PUBLIC STREET. FROM THIS POINT, RUNOFF DRAINS WEST WITHIN THE SAN DIEGO AVE NE RIGHT OF WAY TO PUBLIC STORM INLETS AT THE INTERSECTION OF SAN DIEGO AVE NE AND SAN MATEO BLVD NE. THE PUBLIC STORM INLETS ARE CONNECTED VIA 42" PUBLIC STORM DRAIN TO THE LA CUEVA CHANNEL, AN AMAFCA OWNED AND OPERATED STORMWATER DRAINAGE CHANNEL.

THERE ARE NO APPARENT OFFSITE FLOWS THAT IMPACT THE PROJECT SITE, AS THE SITE IS TOPOGRAPHICALLY HIGHER THAN THE NEIGHBORING PROPERTY TO THE NORTH AND WEST, AND THE PUBLIC STREET (SAN DIEGO AVE NE) TO THE SOUTH. WHILE THE ADJACENT PROPERTY TO THE EAST IS TOPOGRAPHICALLY HIGHER, EXISTING CURB AND GUTTER ON THAT SITE REDIRECTS STORMWATER RUNOFF TO SAN DIEGO AVE NE.

V. DEVELOPED CONDITIONS

THE PROPOSED CONSTRUCTION CONSISTS OF A PARTIAL RECONSTRUCTION OF THE EXISTING BUILDING, ADDING AN ADDITIONAL BUILDING TO THE UNDEVELOPED LOT, CONSTRUCTING NEW ASPHALT PAVED PARKING AROUND BOTH BUILDINGS, ALONG WITH NEW SIDEWALKS AND LANDSCAPED AREAS. ROOF AND SURFACE RUNOFF FROM PAVED AREAS WILL BE DIRECTED TO DEPRESSED LANDSCAPING AREAS TO MEET CITY STORMWATER QUALITY REQUIREMENTS FOR FIRST FLUSH TREATMENT, AND THEN RELEASED VIA PRIVATE AND PUBLIC STORM DRAIN IMPROVEMENTS TO THE SAN DIEGO AVE RIGHT OF WAY. ALL RUNOFF WILL BE MANAGED AS SURFACE FLOW, THERE WILL NOT BE ANY PRIVATE OR PUBLIC SUBSURFACE STORM DRAIN SYSTEMS.

AS IN THE EXISTING CONDITION, THERE WILL CONTINUE TO BE NO OFFSITE FLOWS IMPACTING THE PROJECT SITE.

VI. FIRST FLUSH

THE PROPOSED LANDSCAPED WATER HARVESTING AREAS WITHIN AND AT THE PERIMETER OF THE DEVELOPED SITE WILL CAPTURE AND TREAT THE FIRST FLUSH RUNOFF GENERATED BY THE PROPOSED IMPROVEMENTS TO THE MAXIMUM EXTENT PRACTICABLE. FIRST FLUSH CALCULATIONS FOR THE DEVELOPED SITE SHOW THAT 1,820 CF OF WATER HARVESTING IS REQUIRED; AVERAGE END AREA METHOD CALCULATIONS FOR THE DEVELOPED SITE DEMONSTRATE THAT THE COMBINED ONSITE WATER HARVESTING AREA CAPACITY IS 2,780 CF.

VII. GRADING PLAN

THE GRADING PLAN SHOWS 1.) EXISTING AND PROPOSED GRADES INDICATED BY SPOT ELEVATIONS AND CONTOURS AT 1'-0" INTERVALS, 2.) THE LIMIT AND CHARACTER OF THE EXISTING AND PROPOSED IMPROVEMENTS, AND 3.) CONTINUITY BETWEEN EXISTING AND PROPOSED GRADES. AS SHOWN BY THIS PLAN, THE PROPOSED GRADING PLAN WILL MAINTAIN THE CURRENT DRAINAGE PATTERN OF SURFACE FLOW FROM EAST TO WEST ACROSS THE SITE, FLOWING INTO LANDSCAPED WATER HARVESTING AREAS TO TREAT THE FIRST FLUSH RUNOFF BEFORE OVERFLOWING TO THE SAN DIEGO AVE NE PUBLIC STREET. THE LANDSCAPED AREAS ARE DEPRESSED FOR WATER HARVESTING TO MITIGATE THE DEVELOPED RUNOFF DISCHARGED TO THE MAXIMUM EXTENT PRACTICABLE.

VIII. EROSION AND SEDIMENT CONTROL

THE PROJECT DISTURBS GREATER THAN ONE-ACRE OF LAND. A SEPARATE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) WILL BE PREPARED BY THE CONTRACTOR. A SITE SPECIFIC EROSION AND SEDIMENT CONTROL PLAN IS INCLUDED HEREIN THAT PROPOSES SILT FENCE BEST MANAGEMENT PRACTICES (TEMPORARY BMPs), SEDIMENT DETENTION BASINS (PERMANENT BMPs) AND GOOD HOUSEKEEPING BMPs TO CAPTURE CONSTRUCTION RELATED SEDIMENT FROM DISCHARGING TO THE ADJACENT AND DOWNSTREAM CITY STREET.

IX. CALCULATIONS

THE CALCULATIONS CONTAINED HEREON ANALYZE THE EXISTING AND DEVELOPED CONDITIONS FOR THE 100-YEAR, 6-HOUR RAINFALL EVENT. THE PROCEDURE FOR 40 ACRE AND SMALLER BASINS, AS SET FORTH IN THE REVISION OF SECTION 22.2, HYDROLOGY OF THE DEVELOPMENT PROCESS MANUAL, VOLUME 2, DESIGN CRITERIA, DATED JANUARY 1993, HAS BEEN USED TO QUANTIFY THE PEAK RATE OF DISCHARGE AND VOLUME OF RUNOFF GENERATED. IN ADDITION, AVERAGE END AREA METHOD HAS BEEN USED TO CALCULATE THE PROPOSED WATER HARVESTING RETENTION AREA CAPACITY. AS DEMONSTRATED BY THESE CALCULATIONS, THE PROPOSED IMPROVEMENTS WILL RESULT IN AN INCREASE IN DEVELOPED RUNOFF ATTRIBUTABLE TO THE DEVELOPMENT OF THE CURRENTLY UNDEVELOPED PROPERTY, AND THE FIRST FLUSH RUNOFF GENERATED BY THE SITE WILL BE RETAINED WITHIN THE PROPOSED WATER HARVESTING AREAS.

X. CONCLUSIONS

THE FOLLOWING CONCLUSIONS HAVE BEEN ESTABLISHED AS A RESULT OF THE EVALUATIONS CONTAINED HEREIN:

- THIS PROJECT REPRESENTS A MODIFICATION TO AN EXISTING, PARTIALLY DEVELOPED SITE.
- THE PROPOSED IMPROVEMENT WILL MAINTAIN AND NOT ALTER THE EXISTING DRAINAGE PATTERNS OF THE SITE.
- THE PROPOSED IMPROVEMENTS WILL RESULT IN AN INCREASE IN THE DEVELOPED RUNOFF VOLUME DISCHARGED FROM THE SITE.
- THE PROPOSED IMPROVEMENTS WILL NOT ADVERSELY IMPACT DOWNSTREAM PROPERTIES OR DOWSTREAM DRAINAGE CONDITIONS
- EROSION AND SEDIMENT CONTROL MEASURES ARE PROPOSED HEREIN FOR INSTALLATION DURING CONSTRUCTION; BMP INSTALLATION BASED ON THIS PLAN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE CONSTRUCTION RELATED SEDIMENT DOES NOT DISCHARGE FROM THE SITE TO PUBLIC RIGHT-OF-WAY
- PROPOSED WATER HARVESTING AREAS ARE SIZED TO RETAIN AND TREAT THE FIRST FLUSH RUNOFF GENERATED BY THE SITE.

CALCULATIONS

I. SITE CHARACTERISTICS

- A. PRECIPITATION ZONE = 3
- B. $P_{100, 6 \text{ HR}} = P_{360} = 2.6 \text{ IN}$
- C. TOTAL PROJECT AREA (A_T) = 77,284 SF
1.77 AC

D. LAND TREATMENTS

1. EXISTING LAND TREATMENT		
TREATMENT	AREA (SF/AC)	%
A	19,114 SF	25
	0.44 AC	
B	19,300 SF	25
	0.44 AC	
C	4,590 SF	6
	0.11 AC	
D	34,280 SF	44
	0.79 AC	

2. DEVELOPED LAND TREATMENT		
TREATMENT	AREA (SF/AC)	%
A		
B		
C	13,200 SF	17
	0.30 AC	
D	64,084 SF	83
	1.47 AC	

II. HYDROLOGY

A. EXISTING CONDITION 100 YEAR

1. **100-YR STORM**
- a. **VOLUME 100-YR, 6- HR**
- $$E_W = (E_A A_A + E_B A_B + E_C A_C + E_D A_D) / A_T$$
- $$E_W = (0.66 * 0.44) + (0.92 * 0.44) + (1.29 * 0.11) + (2.36 * 0.79) / 1.77 = 1.52 \text{ IN}$$
- $$V_{100, 6 \text{ HR}} = (E_W / 12) A_T = (1.52 / 12) 1.77 = 0.2247 \text{ AC-FT} = 9,790 \text{ CF}$$
- b. **PEAK DISCHARGE**
- $$Q_P = Q_{PA} A_A + Q_{PB} A_B + Q_{PC} A_C + Q_{PD} A_D$$
- $$Q_P = (1.87 * 0.44) + (2.60 * 0.44) + (3.45 * 0.11) + (5.02 * 0.79) = 6.3 \text{ CFS}$$

B. DEVELOPED CONDITION

1. **100-YR STORM**
- a. **VOLUME**
- $$E_W = (E_A A_A + E_B A_B + E_C A_C + E_D A_D) / A_T$$
- $$E_W = (0.66 * 0.00) + (0.92 * 0.00) + (1.29 * 0.30) + (2.36 * 1.47) / 1.77 = 2.18 \text{ IN}$$
- $$V_{100, 6 \text{ HR}} = (E_W / 12) A_T = (2.18 / 12) 1.77 = 0.3223 \text{ AC-FT} = 14,040 \text{ CF}$$
- b. **PEAK DISCHARGE**
- $$Q_P = Q_{PA} A_A + Q_{PB} A_B + Q_{PC} A_C + Q_{PD} A_D$$
- $$Q_P = (1.87 * 0.00) + (2.60 * 0.00) + (3.45 * 0.30) + (5.02 * 1.47) = 8.4 \text{ CFS}$$

C. COMPARISON 100 YEAR

1. **100-YR STORM**
- a. **VOLUME 100-YR, 6-HR**
- $$\Delta V_{100, 6 \text{ HR}} = 14040 - 9790 = 4,250 \text{ CF} \quad (\text{INCREASE})$$
- b. **PEAK DISCHARGE**
- $$\Delta Q_{100} = 8.4 - 6.3 = 2.1 \text{ CFS} \quad (\text{INCREASE})$$

D. FIRST FLUSH CALCULATIONS

1. **RETENTION REQUIREMENT**
- a. **VOLUME**
- $$V_{FF} = ((P_{FF} - I_{A_D}) / 12) A_D$$
- $$V_{FF} = ((0.44 - 0.10) / 12) (64084.15) = 1,820 \text{ CF}$$
2. **RETENTION PROVIDED ONSITE** (BASED ON AVERAGE END AREA METHOD)
- $$V_{CAP} = 150 + 1280 + 820 + 830 = 2,780 \text{ CF}$$



ENGINEER'S CERTIFICATION FOR PERMANENT C.O.

I, J. GRAEME MEANS, NMPE 13676, OF THE FIRM HIGH MESA CONSULTING GROUP HEREBY CERTIFY THAT THIS PROJECT HAS BEEN CONSTRUCTED, GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLANS DATED 01-15-2016.

THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT WAS OBTAINED 03-28-2018 BY SANDIA LAND SURVEYING, LLC, UNDER THE DIRECTION OF ANDREW S. MEDINA, NMPS 12649, AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. I CERTIFY HAVE PERSONALLY VISITED THE SITE 3-29-2018 AND VERIFIED THE AS-CONSTRUCTED CONDITION. THIS CERTIFICATION IS SUBMITTED TO SUPPORT A PERMANENT CERTIFICATE OF OCCUPANCY.

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. THIS CERTIFICATION DOES NOT ADDRESS ADA COMPLIANCE WHICH IS BEYOND THE SCOPE OF GRADING AND DRAINAGE. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE.


J. GRAEME MEANS, NMPE NO. 13676



4/02/18
DATE



RECORD DRAWING

HIGH MESA Consulting Group

6010-B MIDWAY PARK BLVD. NE • ALBUQUERQUE, NEW MEXICO 87109
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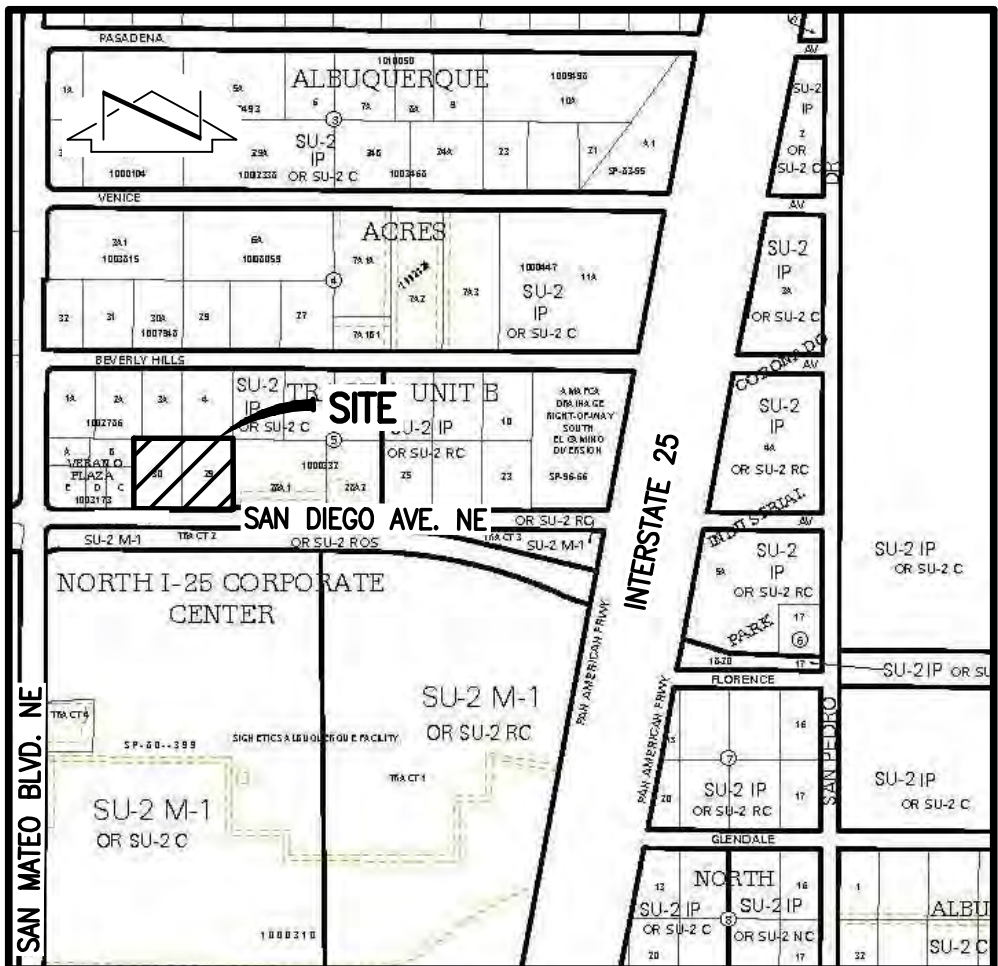
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04/02/2018 11-15-2016

DRAINAGE PLAN AND CALCULATIONS

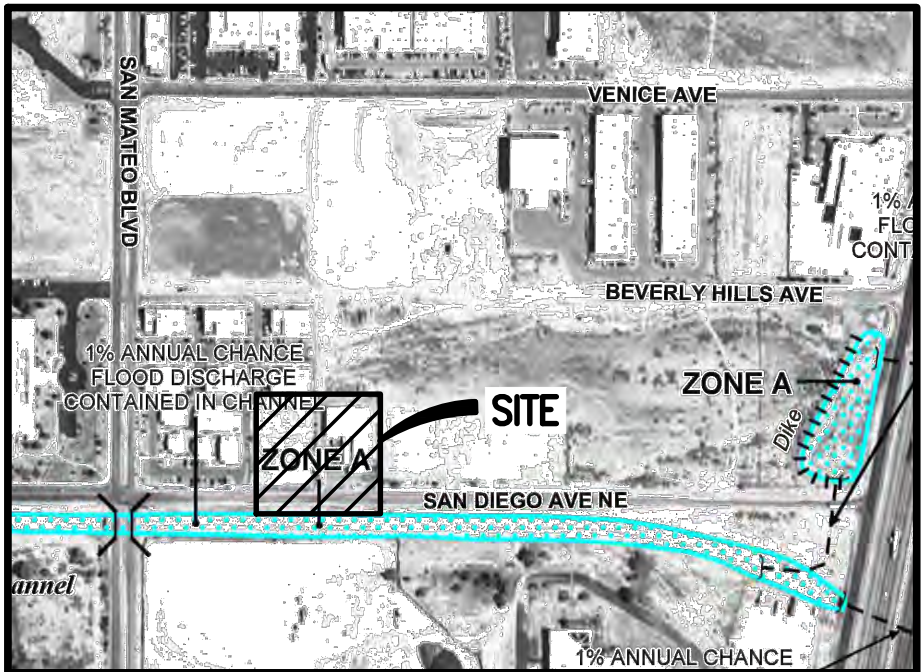
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VICINITY MAP

SCALE: 1" = 750'

B-18



F.I.R.M.

SCALE: 1"=500'

129 OF 825

AUGUST 16, 2012

LEGAL DESCRIPTION

LOTS 29 AND 30, BLOCK 5, NORTH ALBUQUERQUE ACRES, TRACT A, UNIT B, ALBUQUERQUE, NEW MEXICO

PROJECT BENCHMARK

A NMSHC BRASS DISK STAMPED "NMSHC I-25-11" SET FLUSH IN THE TOP OF A CONCRETE POST 0.75 MILES NORTH ON THE EAST FRONTAGE ROAD FROM THE INTERSECTION OF I-25 AND ALAMEDA BOULEVARD N.E. ELEVATION = 5209.62 FEET (NAVD 1988)

TEMPORARY BENCHMARK #1 (T.B.M.)

A #5 REBAR W/CAP STAMPED "HMC CONTROL NMPS 11184" SET IN A GRADED VACANT LOT IN THE SOUTHERN PORTION OF LOT 30, AS SHOWN ON THIS SHEET. ELEVATION = 5161.51 FEET (NAVD 1988)

TEMPORARY BENCHMARK #2 (T.B.M.)

A MAG NAIL SET IN ASPHALT PARKING LOT ENTRANCE IN THE SOUTHEAST PORTION OF LOT 29, AS SHOWN ON THIS SHEET. ELEVATION = 5164.78 FEET (NAVD 1988)

TEMPORARY BENCHMARK #3 (T.B.M.)

A MAG NAIL SET IN ASPHALT PARKING LOT IN THE NORTHEAST PORTION OF LOT 29, AS SHOWN ON THIS SHEET. ELEVATION = 5164.73 FEET (NAVD 1988)

RECORD UTILITY KEYED NOTE

- ② APPROXIMATE LOCATION OF WATER VALVE BOX AS DEPICTED ON THE INFORMATION PROVIDED BY ABCWUA FOR THIS PROJECT, NO SURFACE EVIDENCE FOUND.

PROJECT BENCHMARK

A NMSHC BRASS DISK STAMPED "NMSHC 1-25-11" SET
FLUSH IN THE TOP OF A CONCRETE POST 0.75 MILES
NORTH ON THE EAST FRONTAGE ROAD FROM THE
INTERSECTION OF I-25 AND ALAMEDA BOULEVARD N.E.
ELEVATION = 5209.62 FEET (NAVD 1988)

TEMPORARY BENCHMARK #1 (T.B.M.)

A #5 REBAR W/CAP STAMPED "HMCQ CONTROL NMP5
11184" SET IN A GRADED VACANT LOT IN THE SOUTHERN
PORTION OF LOT 30, AS SHOWN ON THIS SHEET.
ELEVATION = 5161.51 FEET (NAVD 1988)

TEMPORARY BENCHMARK #2 (T.B.M.)

A MAG NAIL SET IN ASPHALT PARKING LOT ENTRANCE IN
THE SOUTHEAST PORTION OF LOT 29, AS SHOWN ON
THIS SHEET.
ELEVATION = 5164.78 FEET (NAVD 1988)

TEMPORARY BENCHMARK #3 (T.B.M.)

A MAG NAIL SET IN ASPHALT PARKING LOT IN THE
NORTHEAST PORTION OF LOT 29, AS SHOWN ON THIS
SHEET.
ELEVATION = 5164.73 FEET (NAVD 1988)

RECORD UTILITY KEYED NOTE

- ② APPROXIMATE LOCATION OF WATER VALVE BOX AS
DEPICTED ON THE INFORMATION PROVIDED BY
ABQWA FOR THIS PROJECT, NO SURFACE EVIDENCE
FOUND.

CONSTRUCTION NOTES:

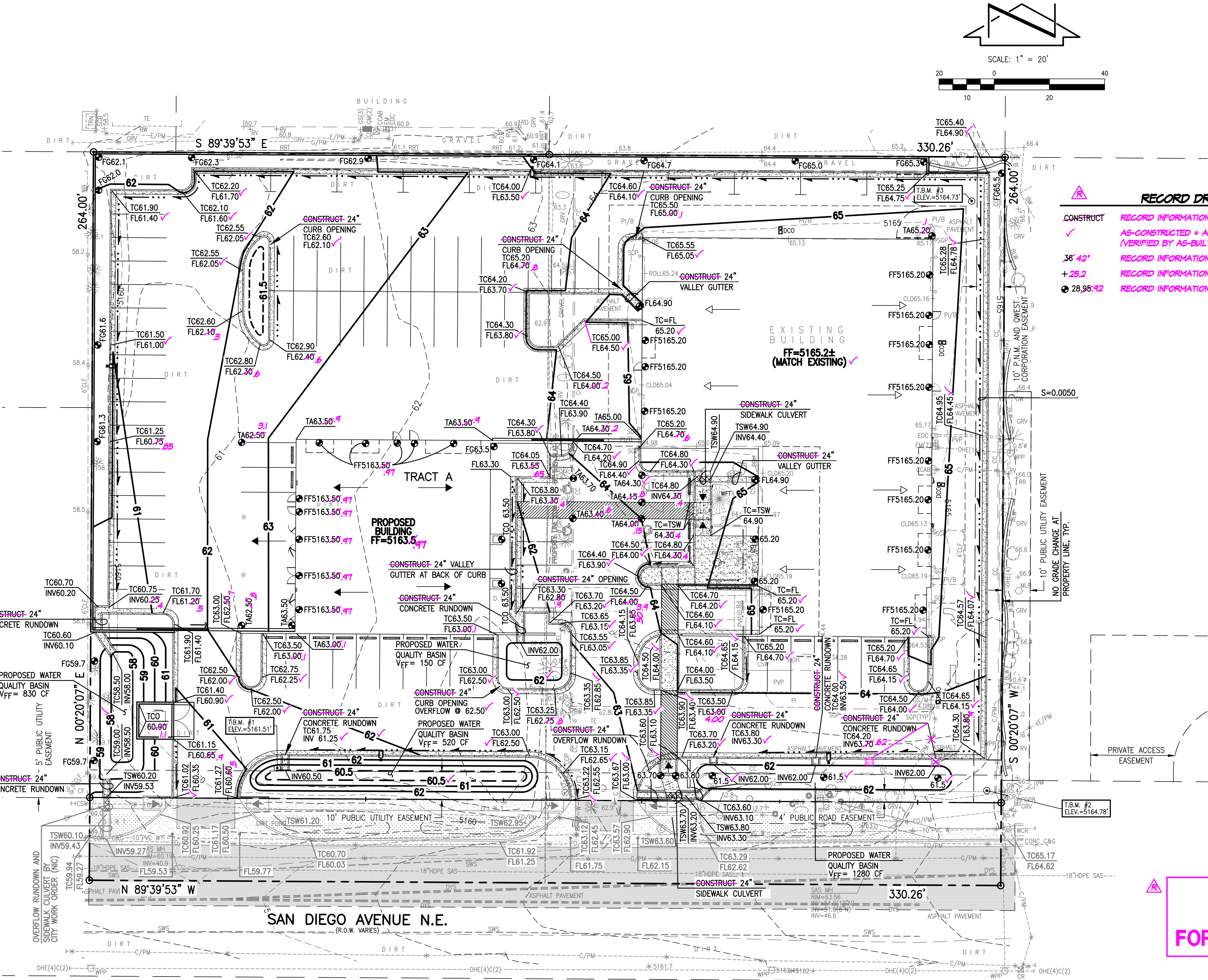
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION,
CONTRACTOR MUST CONTACT NEW MEXICO CALL SYSTEM,
811, FOR DESIGNATION (LINE-SPOTTING) OF EXISTING UTILITIES.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE
AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL
POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE
CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING SO THAT
THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF
DELAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL
INTERPRETATIONS IT MAKES WITHOUT FIRST CONTACTING THE
ENGINEER AS REQUIRED ABOVE.
- ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN
ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL
LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION
SAFETY AND HEALTH.
- ALL CONSTRUCTION WITHIN PUBLIC RIGHT-OF-WAY SHALL BE
PERFORMED IN ACCORDANCE WITH APPLICABLE CITY OF
ALBUQUERQUE STANDARDS AND PROCEDURES.
- UTILITY INFORMATION SHOWN HEREON IS BASED UPON ONSITE
SURFACE EVIDENCE AND CITY OF ALBUQUERQUE RECORD
DRAWINGS AND DISTRIBUTION MAPS. IN ADDITION, UTILITY
LINE-SPOTS WERE REQUESTED VIA THE NEW MEXICO CALL
SERVICE (TICKET NO. 16FE240533). UTILITY LINES SHOWN ON
THIS DRAWING ARE SHOWN IN AN APPROXIMATE MANNER ONLY
AND SUCH LINES MAY NOT EXIST WHERE INDICATED. IF
ANY SUCH EXISTING LINES ARE SHOWN, THE LOCATION IS BASED
UPON INFORMATION PROVIDED BY THE OWNER OF SAID UTILITY,
AND THE INFORMATION MAY BE INCOMPLETE, OR MAY BE
OBSOLETE BY THE TIME CONSTRUCTION COMMENCES. THE
SURVEYOR HAS CONDUCTED ONLY PRELIMINARY INVESTIGATION
OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UTILITY
LINES, PIPELINES, OR UNDERGROUND UTILITY LINES. THIS
INVESTIGATION IS NOT CONCLUSIVE, AND MAY NOT BE
COMPLETE, THEREFORE, MAKES NO REPRESENTATION PERTAINING
THERE TO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY
THEREFOR. THE PROPERTY OWNER, DEVELOPER, OR
CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY
UTILITY LINE, PIPELINE, OR UNDERGROUND UTILITY LINE IN OR
NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING
EXCAVATION WORK. THE PROPERTY OWNER, DEVELOPER, OR
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. IN PLANNING AND CONDUCTING EXCAVATION, THE
CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL
AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY,
PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.
- THE DESIGN OF PLANTERS AND LANDSCAPED AREAS IS NOT
PART OF THIS PLAN. ALL PLANTERS AND LANDSCAPED AREAS
ADJACENT TO THE BUILDING(S) SHALL BE PROVIDED WITH
POSITIVE DRAINAGE TO AVOID ANY PONDING ADJACENT TO THE
STRUCTURE. FOR CONSTRUCTION DETAILS, REFER TO
LANDSCAPING PLAN.

EROSION CONTROL MEASURES:

- THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM
THE SITE INTO PUBLIC RIGHT-OF-WAY OR ONTO PRIVATE
PROPERTY.
- THE CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL
EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY SO THAT THE
EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED
DOWN THE STREET.
- WHEN APPLICABLE, CONTRACTOR SHALL SECURE "TOPSOIL
DISTURBANCE PERMIT" FROM THE CITY AND/OR FILE A NOTICE
OF INTENT (N.O.I.) WITH THE EPA PRIOR TO BEGINNING
CONSTRUCTION.

LEGEND

- AR ASPHALT RAMP
ASPH ASPHALT
ASV IRRIGATION ANTI-SIPHON VALVE
BLW LANDSCAPING BLOCK WALL
BOH BUILDING OVERHANG
BW CONCRETE BLOCK WALL
C&G CURB AND GUTTER
C/PM COMMUNICATION LINE BY PAINT MARK
CC CONCRETE CURB
CCB COMMUNICATION CABINET
CF LANDSCAPING CRUSHER FINES
CLD CENTERLINE DOOR
CLF CHAIN LINK FENCE
CND ELECTRIC CONDUIT
CO CLEANOUT
CONC CONCRETE
COP CONCRETE CURB OPENING
CR COMMUNICATION RISER
CSW CONCRETE SIDEWALK
DCO DOUBLE CLEANOUT
DYS PAINTED DOUBLE YELLOW TRAFFIC STRIPE
E/PM ELECTRIC LINE BY PAINT MARK
EA EDGE OF ASPHALT
EDC ELECTRIC DISCONNECT BOX
EM ELECTRIC METER
EO ELECTRIC OUTLET
EP ELECTRIC PANEL BOX
FH FIRE HYDRANT
FL FLOWLINE
FO/PM FIBER OPTIC LINE BY PAINT MARK
FOS FIBER OPTIC WARNING SIGN
FOPB FIBER OPTIC PULLBOX
G/PM GAS LINE BY PAINT MARK
GM GAS METER
GS LANDSCAPING GRAVEL
GS GAS SERVICE
GS/M GAS SERVICE NO METER
GW GUY WIRE ANCHOR
HDPE HIGH DENSITY POLYETHYLENE PIPE
INV INVERT
IRV IRRIGATION VALVE BOX
MH MANHOLE
MLP METAL LIGHT POLE ON CONCRETE BASE
OHC(2) OVERHEAD COMMUNICATION (# OF LINES)
OHE(4) OVERHEAD ELECTRIC (# OF LINES)
PB CONCRETE WHEEL STOP
PI PAINTED PARKING LOT ISLAND AT BUILDING
PI/B PAINTED PARKING SPACE
PVC POLYVINYL CHLORIDE PIPE
PVP ASPHALT PAVING PATCH
RD BUILDING ROOF DRAIN
ROLL ROLL UP GARAGE DOOR
RRR LANDSCAPING RIVER ROCK
RRT LANDSCAPING RAILROAD TIES
RS ROCK SIGN
RV POLYVINYL CHLORIDE PIPE RISER/VENT
SAS SANITARY SEWER
SGB STEEL GUARD BAR
SGP STEEL GUARD POST
SP PAINTED SINGLE WHITE TRAFFIC STRIPE
SW TA TOP OF ASPHALT
TCO TOP OF CONCRETE
TDE TRASH DUMPSTER ENCLOSURE
TP TOP OF PIPE
TRN ELECTRIC TRANSFORMER
TYP TYPICAL
W WATER LINE
WCR CONCRETE WHEEL CHAIR RAMP
WFT LANDSCAPING WATER FOUNTAIN
WPP WOOD POWER POLE
WVB WATER VALVE BOX
1.0" TREE TRUNK DIAMETER
CONIFEROUS TREE
DECIDUOUS TREE
SMALL DECIDUOUS TREE
SHRUB
SMALL SHRUB
YUCCA
LANDSCAPING BOULDER
LANDSCAPING WATER FOUNTAIN
PAINTED HANDICAPPED PARKING SPACE
INVERT
TOP OF ASPHALT PAVEMENT
TOP OF CURB
TOP OF GRATE
EXISTING SPOT ELEVATION
PROPOSED SPOT ELEVATION
PROPOSED FLOWLINE
EXISTING CONTOUR
PROPOSED CONTOUR
EXISTING DIRECTION OF FLOW
PROPOSED DIRECTION OF FLOW
RIGHT OF WAY LINE
PUBLIC EASEMENT LINE
HIGH POINT / DIVIDE
PROPOSED CONCRETE
PROPOSED ASPHALT PAVING
PROPOSED LANDSCAPE AREA



RECORD DRAWING
FOR CERTIFICATION, SEE SHEET CG-101

NOTE:

THIS IS NOT A BOUNDARY SURVEY; DATA IS SHOWN FOR ORIENTATION ONLY.
THE BOUNDARY INFORMATION DEPICTED BY THIS PLAN IS BASED UPON AN
VACATION REQUEST AND PLAT OF TRACT A, LLOIDS COLLISION CENTER, PREPARED
BY HIGH MESA CONSULTING GROUP, NMP5 11184, DATED 08-09-2016
(2016.015.4). THE TOPOGRAPHIC INFORMATION DEPICTED HEREON IS BASED
UPON THE TOPOGRAPHIC AND UTILITY SURVEY PREPARED BY HIGH MESA
CONSULTING GROUP, NMP5 NO. 11184, DATED 03-10-2016 (2016.015.1).

NOTE: SCREENED IMPROVEMENTS IN PUBLIC RIGHT-OF-WAY
TO BE CONSTRUCTED BY CITY WORK ORDER

NO.	DATE	BY	REVISIONS
1	04/18	GM	ENGINEER'S CERTIFICATION

2016.015.2

HIGH
MESA Consulting Group

6010-B MIDWAY PARK BLVD. NE • ALBUQUERQUE, NEW MEXICO 87109
PHONE: 505.345.4250 • FAX: 505.345.4254 • www.highmesacg.com



11-15-2016
04/02/2018

GRADING PLAN

11-16

CG-102

JON ANDERSON ARCHITECTURE

912 ROMA AVE NW | ALBUQUERQUE, NM 87102 P | 505.764.8306 F | 505.764.2879
jonandersonarchitecture.com

5401 SAN DIEGO AVE NE

LLOIDS COLLISION



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 09/2015)

Project Title: _____ **Building Permit #:** _____ **City Drainage #:** _____

DRB#: _____ **EPC#:** _____ **Work Order#:** _____

Legal Description: _____

City Address: _____

Engineering Firm: _____ **Contact:** _____

Address: _____

Phone#: _____ **Fax#:** _____ **E-mail:** _____

Owner: _____ **Contact:** _____

Address: _____

Phone#: _____ **Fax#:** _____ **E-mail:** _____

Architect: _____ **Contact:** _____

Address: _____

Phone#: _____ **Fax#:** _____ **E-mail:** _____

Other Contact: _____ **Contact:** _____

Address: _____

Phone#: _____ **Fax#:** _____ **E-mail:** _____

Check all that Apply:

DEPARTMENT:

- ☐ HYDROLOGY/ DRAINAGE
☐ TRAFFIC/ TRANSPORTATION
☐ MS4/ EROSION & SEDIMENT CONTROL

TYPE OF SUBMITTAL:

- ☐ ENGINEER/ ARCHITECT CERTIFICATION
- ☐ CONCEPTUAL G & D PLAN
☐ GRADING PLAN
☐ DRAINAGE MASTER PLAN
☐ DRAINAGE REPORT
☐ CLOMR/LOMR
- ☐ TRAFFIC CIRCULATION LAYOUT (TCL)
☐ TRAFFIC IMPACT STUDY (TIS)
☐ EROSION & SEDIMENT CONTROL PLAN (ESC)
- ☐ OTHER (SPECIFY) _____

CHECK TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

- ☐ BUILDING PERMIT APPROVAL
☐ CERTIFICATE OF OCCUPANCY
- ☐ PRELIMINARY PLAT APPROVAL
☐ SITE PLAN FOR SUB'D APPROVAL
☐ SITE PLAN FOR BLDG. PERMIT APPROVAL
☐ FINAL PLAT APPROVAL
☐ SIA/ RELEASE OF FINANCIAL GUARANTEE
☐ FOUNDATION PERMIT APPROVAL
☐ GRADING PERMIT APPROVAL
☐ SO-19 APPROVAL
☐ PAVING PERMIT APPROVAL
☐ GRADING/ PAD CERTIFICATION
☐ WORK ORDER APPROVAL
☐ CLOMR/LOMR
- ☐ PRE-DESIGN MEETING
☐ OTHER (SPECIFY) _____

IS THIS A RESUBMITTAL?: ☐ Yes ☐ No

DATE SUBMITTED: _____ **By:** _____

COA STAFF: _____ ELECTRONIC SUBMITTAL RECEIVED: _____