

Planning Department
Suzanne Lubar, Director

Mayor Richard J. Berry

August 22, 2016

Steve Metro, P.E.
Metro Development Inc.
8860 Desert Finch Ln. NE
Albuquerque, New Mexico 87122

RE: Lot 8 Block 8 Unit 18 Volcano Cliffs Subd.

6511 Canavio Pl NW

Request for Permanent C.O. - Accepted Engineers Stamp Date 5/30/16 (D10D003O8)

Certification Dated: 8/15/16

PO Box 1293

Dear Mr. Metro,

Albuquerque

Based on the Certification received 8/16/2016, the above mentioned residence is acceptable for release of Certificate of Occupancy by Hydrology.

New Mexico 87103

If you have any questions, please contact me at 924-3686 or Totten Elliott at 924-3982.

www.cabq.gov

Abiel Carrillo, P.E.

Sincerely,

Principal Engineer, Planning Department

Development and Review Services

TE/AC

C: File, Cordova, Camille C.; Connor, Miranda, Rachel; Sandoval, Darlene M.; Blocker, Lois



COA STAFF

ELECTRONIC SUBMITTAL RECEIVED

City of Albuquerque

Planning Department

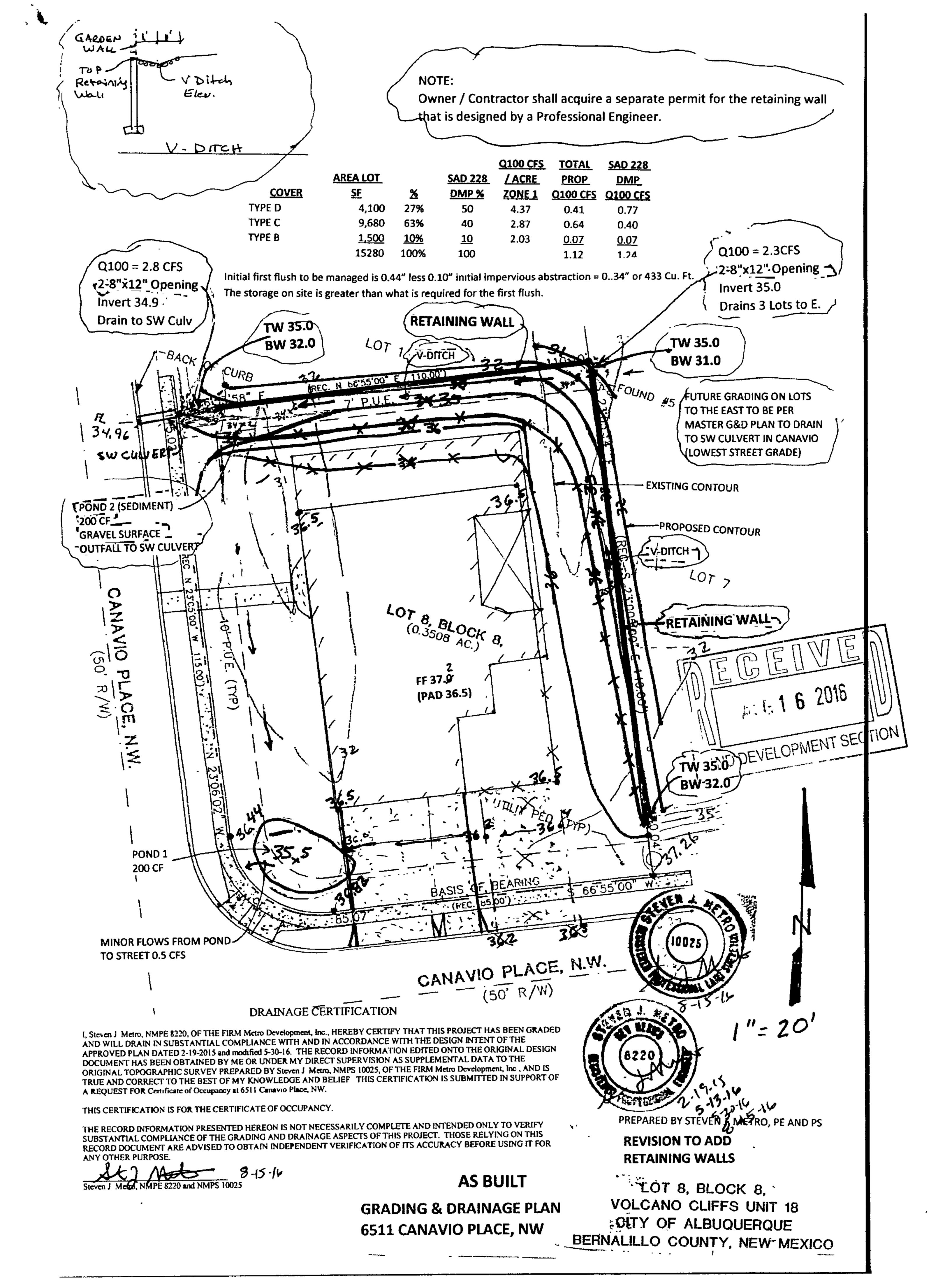
Mia Huynh
440-4632
Please contact Ms Huynh Development & Building Services Division

Development & Building Services Division

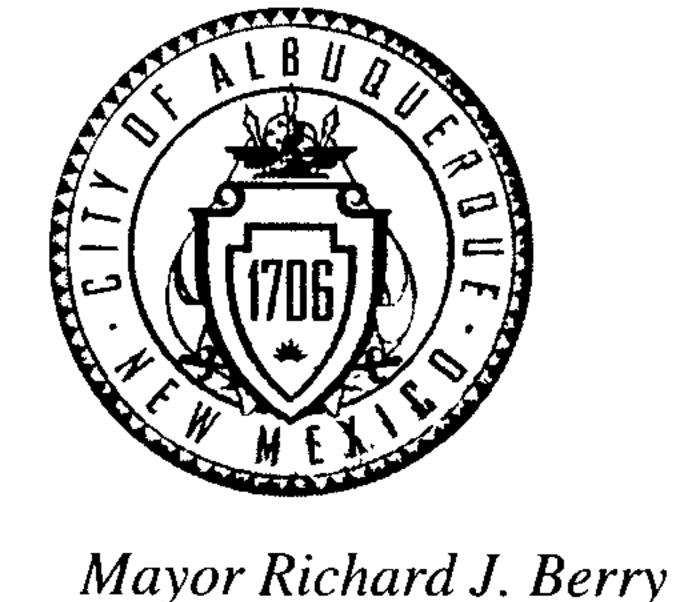
DRAINAGE AND TRANSPORTATION INFORMATION SHEET (Remains)

Copy her on letter,

| Project Title: 6511 Canario PL NW G+ DREVISION BI | ulding Permit #: City Dramage #: DIODO3 08 |
|---|--|
| DRB≅:EPC#: | Work Order=: |
| Legal Description: Lut 8, Black 8, Unit 18 VCS | |
| City Address: 6511 Canavis PL, NW | |
| Engineering Firm: Mets Development Inc. | Contact: Stan Muho |
| 1 J L | M 87122 |
| Phone#. 505-281. 4553 Fax#: | E-mail: Mcfro. Mcfro develoant e co |
| Owner: American Home Realty | |
| Address: 1912 San Breage 5th No | Contact: Mia Huynh |
| Phone#: 505-440-4632 Fax#. 505.503.784 | 12 Femnil of L. C. |
| Architect: | E-mail. Mhuynk à concist. 16te |
| Address: | Contact: |
| Phone#: | |
| | E-mail: |
| Other Contact: | Contact: |
| Address: | |
| Phone#: Fax#: | E-mail: |
| TYPE OF SUBMITTAL: ENGINEER/ ARCHITECT CERTIFICATION CONCEPTUAL G & D PLAN GRADING PLAN DRAINAGE MASTER PLAN DRAINAGE REPORT CLOMR/LOMR TOTAL ODMENT SECTION | 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 |
| TRAFFIC CIRCULATION LAYOUT (TCL) TRAFFIC IMPACT STUDY (TIS) EROSION & SEDIMENT CONTROL PLAN (ESC.) | SO-19 APPROVALPAVING PERMIT APPROVALGRADING/ PAD CERTIFICATIONWORK ORDER APPROVALCLOMR/LOMR |
| S THIS A RESUBMITTAL?Yes | PRE-DESIGN MEETING OTHER (SPECIFY) |
| DATE SUBMITTED: 8-15-16 By: 54-1- | |



Planning Department Suzanne Lubar, Director



June 1, 2016

Steve Metro, P.E. Metro Development Inc. 8860 Desert Finch Ln. NE Albuquerque, New Mexico 87122

RE: Lot 8 Block 8 Unit 18 Volcano Cliffs SAD 228 6511 Canavio Pl NW Grading and Drainage Plan **Engineers Stamp Date 5/30/16 (D10D003O8)**

Dear Mr. Metro,

PO Box 1293

Albuquerque

New Mexico 87103

www.cabq.gov

Based upon the information provided in your submittal received 5/31/2016, this plan is approved for Grading Permit and Building Permit. This will now be the plan used for CO approval and wall approval.

Please inform the Architect/Owner or contractor to attach a copy of this approved plan dated 5/30/16 to the construction sets in the permitting process prior to sign-off by Hydrology, otherwise the permitting process will be delayed until this plan is provided. Also advise the owner/contractor that a separate wall permit will be needed.

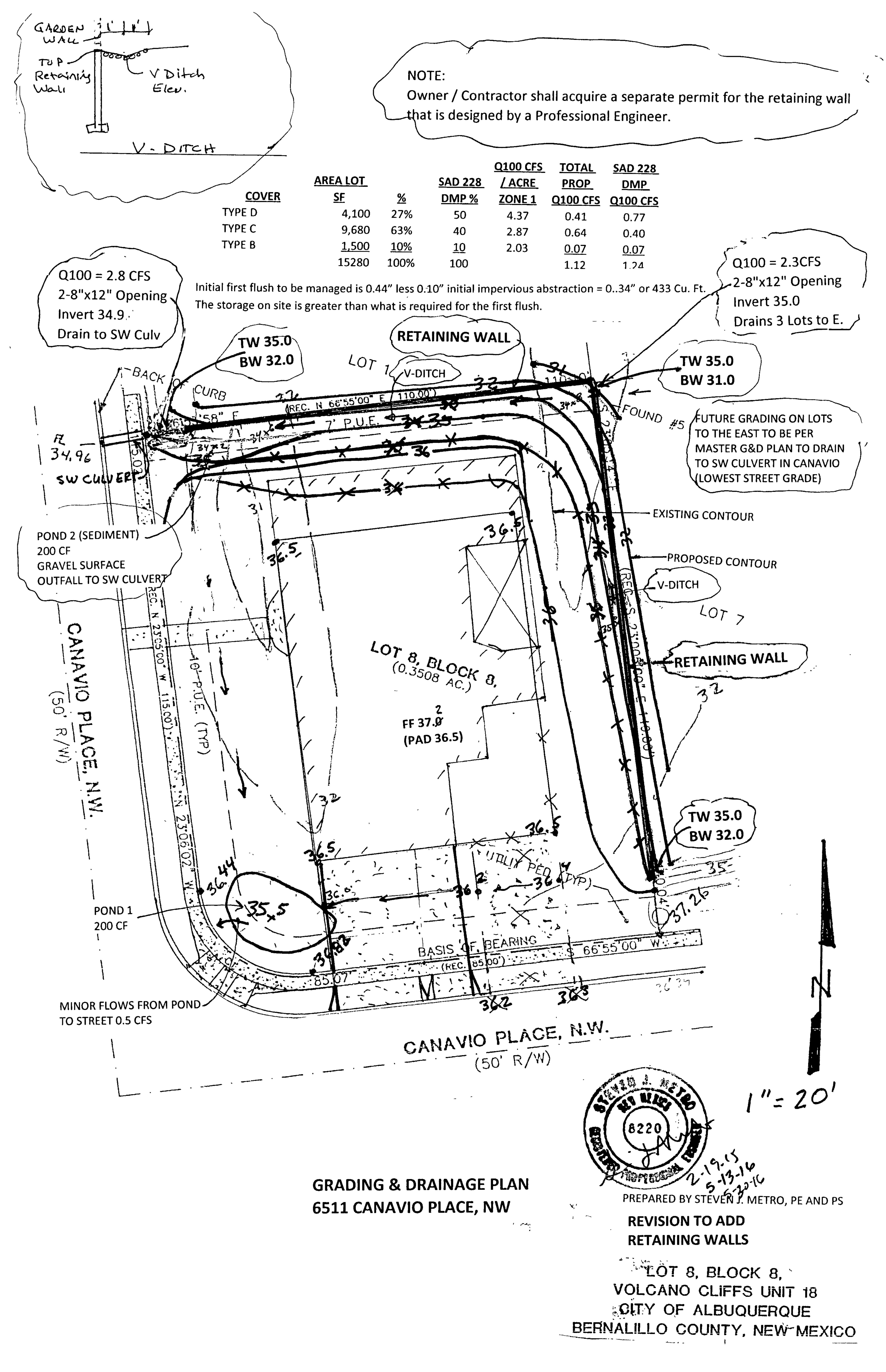
Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist will be required.

If you have any questions, please contact me at 924-3986 or Rudy Rael at 924-3977.

Abiel Carrillo, P.E. Principal Engineer, Hydrology Planning Department

RR/AC C: File

Sincerely



From: Rael, Rudy E. <RRael@cabq.gov>

To: 'deborah metro' <metro.metrodevelopment@aol.com>

Subject: RE: 6511 Canavio Pl NW G&D Plan Retaining Wall Revisions

Date: Wed, May 25, 2016 1:16 pm

Hello Steve, the new mark ups are fine. Just resubmit the plans and I will sign off on them.

Rudy E. Rael, CE, CFM

Engineer Associate, Hydrology Planning Department 600 2nd St. NW Suite 201 Albuquerque NM 87102 (505) 924-3977

From: deborah metro [mailto:metro.metrodevelopment@aol.com]

Sent: Wednesday, May 25, 2016 9:26 AM

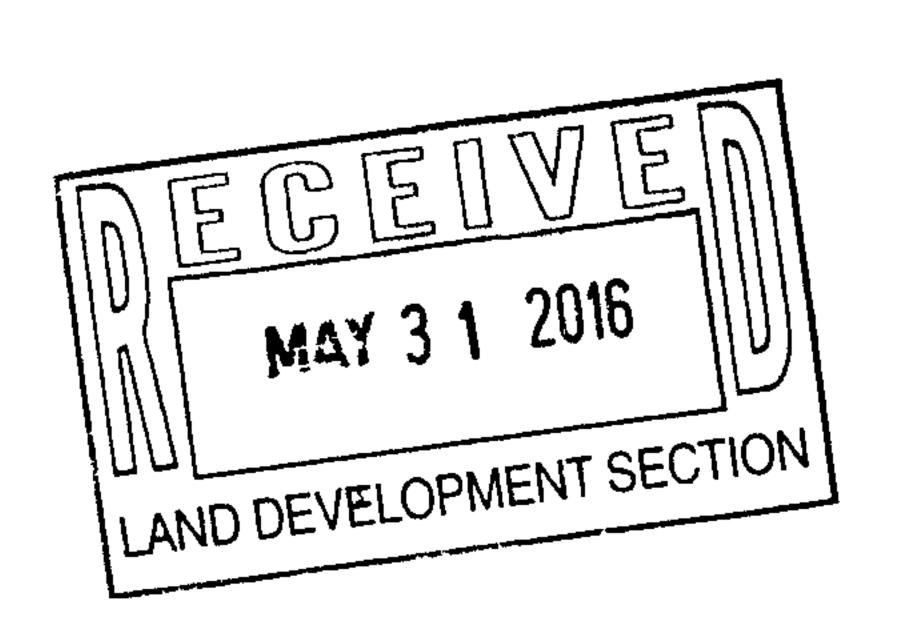
To: Rael, Rudy E.

Cc: metro.metrodevelopment@aol.com

Subject: 6511 Canavio Pl NW G&D Plan Retaining Wall Revisions

Rudy - attached are some questions I have on the 6511 Canavio PI NW G&D Plan to add the retaining walls. I am in PHX this week but would like to call you to discuss once you have reviewed the attachments.

When would be a good time? Steve Metro 280-4553



May 24, 2016



Steve Metro, P.E. Metro Development Inc. 8860 Desert Finch Ln NE Albuquerque, New Mexico 87122

RE: Lot 8 Block 8 Unit 18 Volcano Cliffs SAD 228 6511 Canavio Pl NW Grading and Drainage Plan Engineers Stamp Date 5/20/16 (D10D003O8)

Dear Mr. Metro.

Based upon the information provided in your submittal received 5/20/16, this plan cannot be approved for Grading Permit Revision for Retaining walls until the following comments are addressed.

Provide flows for this property which exit out to Canavio Pl NW. - 1.12 cfs put Tbl.

The invert at the NE corner is incorrect; the properties to the east will not be able to release their flows as is required by the master drainage plan. - E. Lots will be raised.

Provide a swale from the Northeast corner to the Northwest corner, with a desiltation pond near the sidewalk culvert, unless the swale is made of gravel. The swale should be at least 1 foot away from the property line to avoid compromising the retaining. - Ole

The retaining walls need to be certified by this Engineering Firm or another. - /See

Thre is a plus to add wells - Connt As Built while of lave any questions, please contact me at 921 2006 - D

If you have any questions, please contact me at 924-3986 or Rudy Rael at 924-3977.

www.cabq.gov

New Mexico 87103

PO Box 1293

Albuquerque

Abiel Carrillo, P.E.

Sincerely,

Principal Engineer, Hydrology

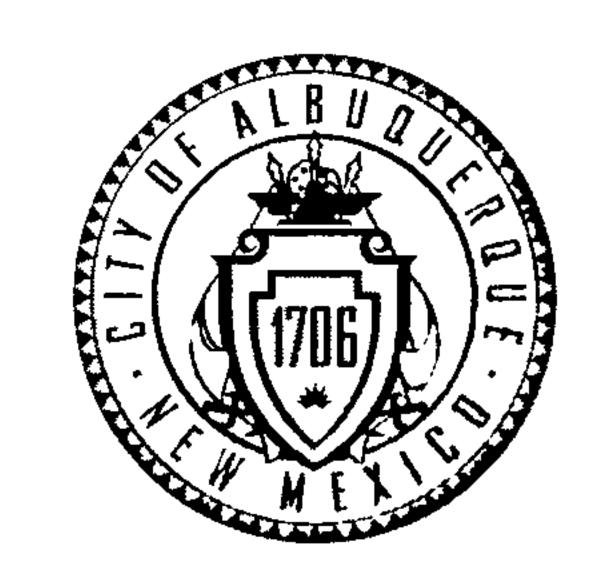
Planning Department

RR/AC C: File

LAND DEVELOPMENT SECTION I

Albuquerque - Making History 1706-2006

May 24, 2016



Steve Metro, P.E.
Metro Development Inc.
8860 Desert Finch Ln NE
Albuquerque, New Mexico 87122

RE: Lot 8 Block 8 Unit 18 Volcano Cliffs SAD 228 6511 Canavio Pl NW Grading and Drainage Plan Engineers Stamp Date 5/20/16 (D10D003O8)

Dear Mr. Metro,

Based upon the information provided in your submittal received 5/20/16, this plan cannot be approved for Grading Permit Revision for Retaining walls until the following comments are addressed.

- Provide flows for this property which exit out to Canavio Pl NW.
- The invert at the NE corner is incorrect; the properties to the east will not be able to release their flows as is required by the master drainage plan.
- Provide a swale from the Northeast corner to the Northwest corner, with a desiltation pond near the sidewalk culvert, unless the swale is made of gravel. The swale should be at least 1 foot away from the property line to avoid compromising the retaining.
- The retaining walls need to be certified by this Engineering Firm or another.
- Provide an as built drawing for the site since grades were changed.

If you have any questions, please contact me at 924-3986 or Rudy Rael at 924-3977.

www.cabq.gov

New Mexico 87103

PO Box 1293

Albuquerque

Abiel Carrillo, P.E.

Sincerely,

Principal Engineer, Hydrology

Planning Department

RR/AC C: File



City of Albuquerque

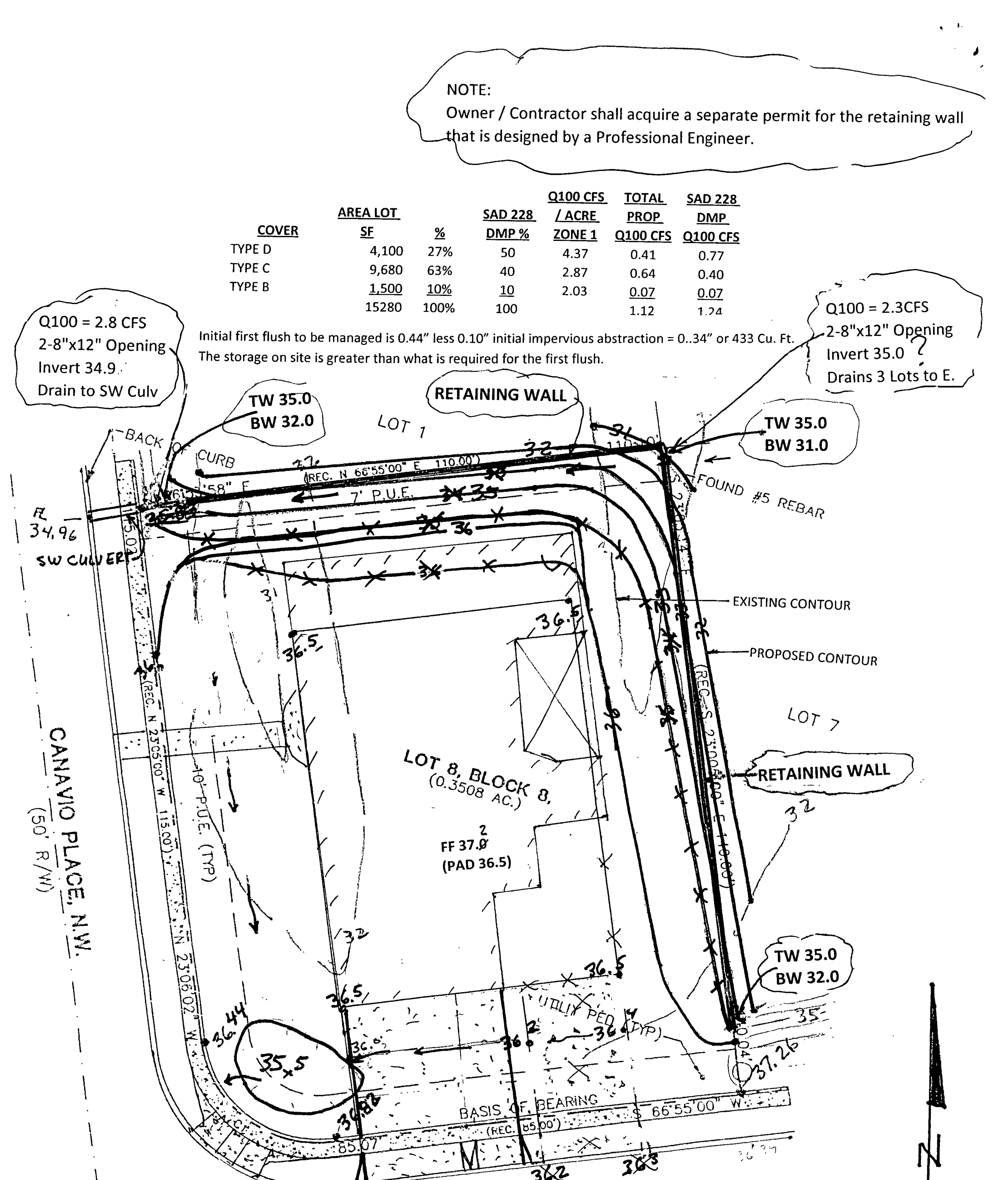
Planning Department Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 69 2315)

| Project Title: 6511 Canavis PL, NW G+DREVISION DRB= | |
|---|--|
| Legal Description: Lot 8, Block 8, Unit 18 VCS | Work Order≠ |
| City Address: 6511 Caravis PL NU | |
| Engineering Firm: Mets Development Inc. | $C_{\text{outside}} \leq 1 + 4 + 4 + 4 + 5$ |
| Address: 8860 Donet Fred Land ABR | NM 87122 Contact: Star Mutro |
| Phone# 505-281. 4553 Fav# | |
| Owner: America Home Perlt | E-mail. Metro. Metro develiament e co |
| | Contact Mia Huynh |
| Address: 1912 Sae Breage 5th, Nov Phone#. 505-440-4632 Fax# 505.503.78 | |
| - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 | E-mail. Mhuynk à concist. 100 |
| Architect: | Contact: |
| Address' | |
| Phone# Fax# | E-mail: |
| Other Contact: | Contact: |
| Address | |
| Phone= Fav# | E-mail: |
| 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.) | 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 |
| * OTHER (SPECIFY) G +O REVISION +O ADD RETAINING WALLS IS THIS A RESUBMITTAL? ** Yes No | CLOMR/LOMR PRE-DESIGN MEETING OTHER (SPECIFY) G+O REVISION |
| DATE SUBMITTED 5-20-14 By: 57-2 | m Mrtn |

ELECTRONIC, SUBMITTAL RECEIVED ____

COA STAFF



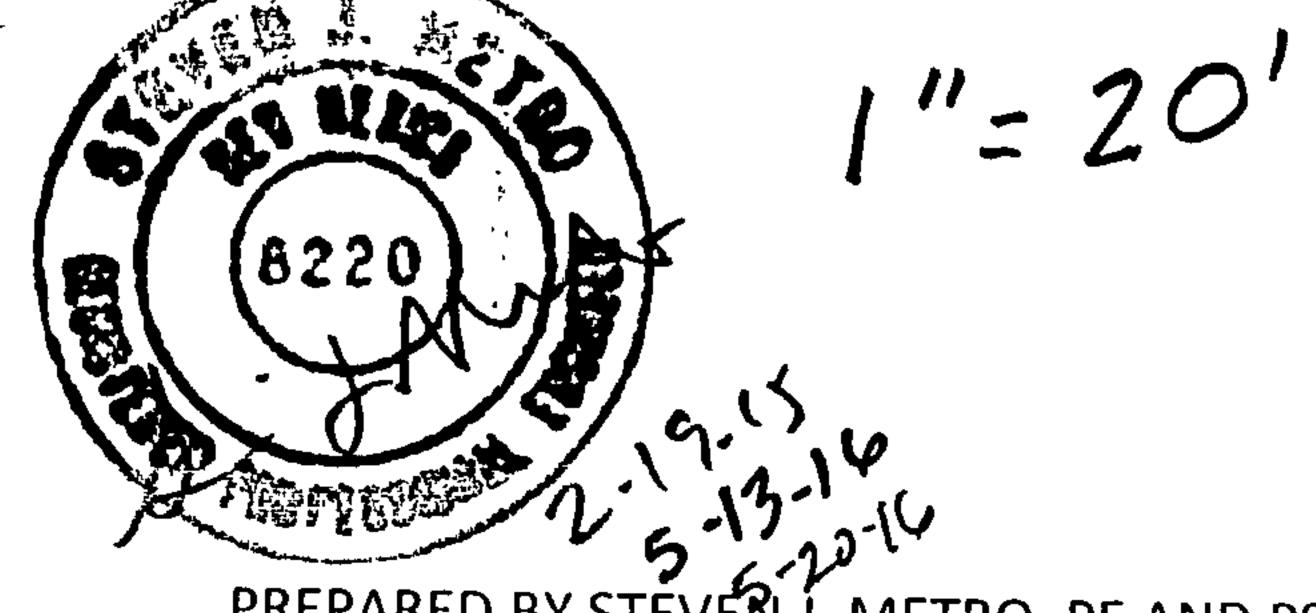
CANAVIO PLACE, N.W.

AND DEVELOPMENT SECTION YEN'Y 2

R

34.96

GRADING & DRAINAGE PLAN 6511 CANAVIO PLACE, NW



PREPARED BY STEVER J. METRO, PE AND PS

REVISION TO ADD RETAINING WALLS

LOT 8, BLOCK 8, VOLCANO CLIFFS UNIT 18 CITY OF ALBUQUERQUE BERNALILLO COUNTY, NEW MEXICO From: Aguirre, Daniel S. <Daniel.Aguirre@wilsonco.com> To: Steve Metro <metro.metrodevelopment@aol.com>

Subject: Fwd: 6511 Canavio Pl NW Date: Thu, May 19, 2016 11:10 am

Dan Strive to be Better

Daniel S. Aguirre, PE CFM Sr Vice President Wilson & Company Inc., Engineers & Architects

505-400-6970

Begin forwarded message:

From: "Rael, Rudy E." <RRael@cabq.gov> Date: May 19, 2016 at 12:06:39 PM MDT

To: "steve.metro@wilsonco.com" <steve.metro@wilsonco.com>

Cc: "Abiel X. Carrillo" <acarrillo@cabq.gov>

Subject: 6511 Canavio Pl NW

Mr. Metro,

This email is being sent in lieu of an attached comment letter in order to expedite our response to previous comments. Response to comments should continue to be included in the resubmittal. A reply to these comments via email will not be considered a resubmittal.

Based upon the information provided in your resubmittal received 5/13/16, the above referenced Grading and Drainage Report and plan cannot be approved for Preliminary Plat, Grading Permit or Building Permit until the following comments are addressed:

- Provide an opening in the east and west rear block walls. Provide the inverts and sizes of the openings.
- Provide how the lots to the east will drain.
- Inform the owner/contractor a separate wall permit is required. Also, the wall must be designed by a PE if retaining more than 18".

Rudy E. Rael, CE, CIM Engineer Associate, Hydrology Planning Department 600 2nd St. NW Suite 201 Albuquerque NM 87102 (505) 924-3977

March 10, 2015



Steve Metro, P.E.
Metro Development Inc.
8860 Desert Finch Ln. NE
Albuquerque, New Mexico 87122

RE: SAD 228, Lot 8 Block 8
6511 Canavio Pl NW
Grading and Drainage Plan
Engineers Stamp Date 2/23/15 (D10D0008)

Dear Mr. Metro,

Based upon the information provided in your submittal received 2/23/115, this plan is approved for Grading Permit and Building Permit.

Please attach a copy of this approved plan to the construction sets in the permitting process prior to sign-off by Hydrology.

Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist will be required.

PO Box 1293

Albuquerque

If you have any questions, please contact me at 924-3695 or Rudy Rael at 924-3977.

New Mexico 87103

Sincerely,

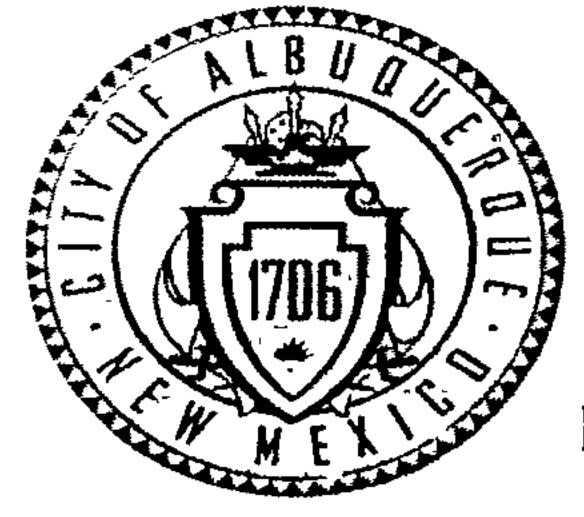
www.cabq.gov

Curtis Cherne, P.E.

Principal Engineer, Hydrology

Planning Department

RR/CC C: File



City of Albuquerque

Planning Department

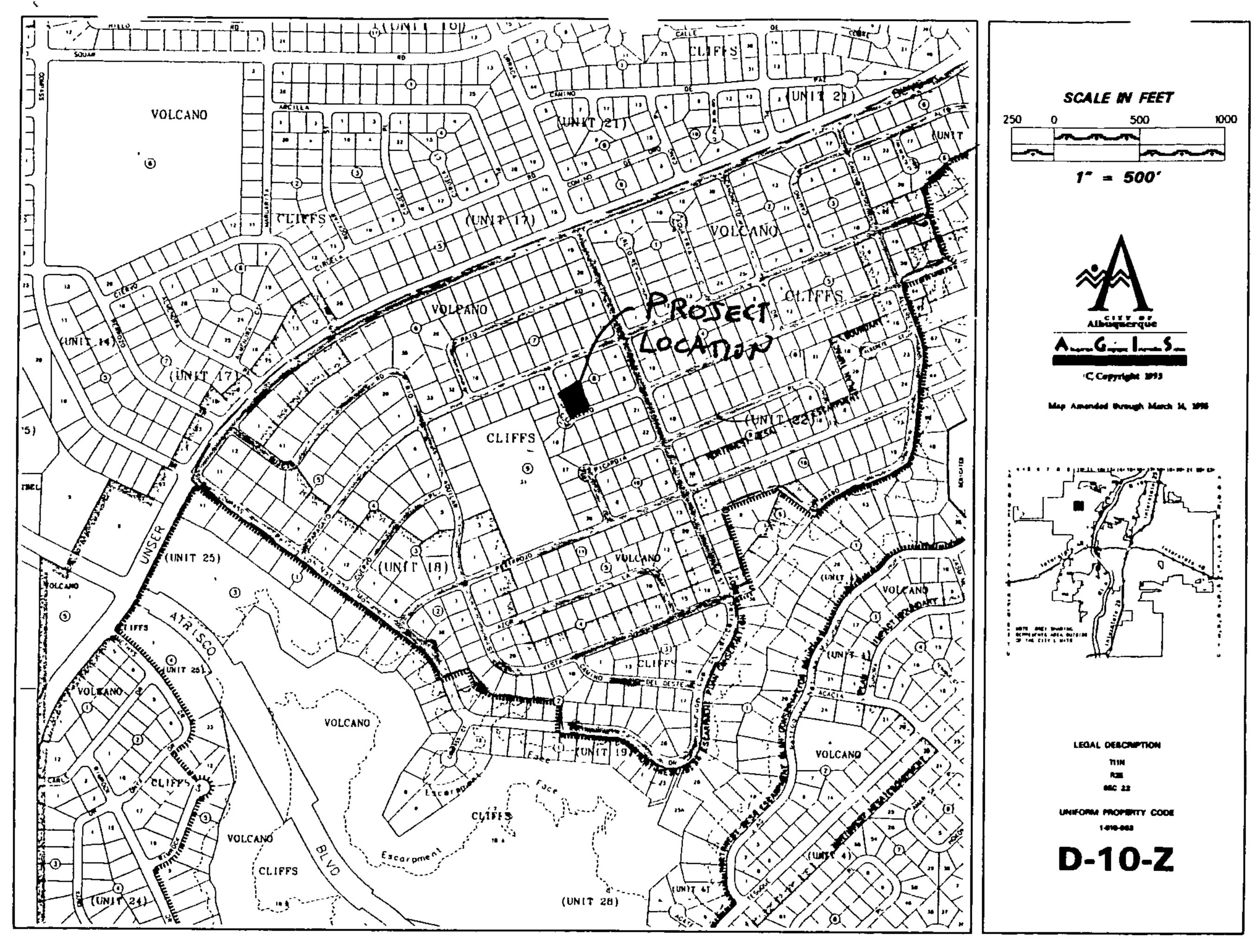
Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

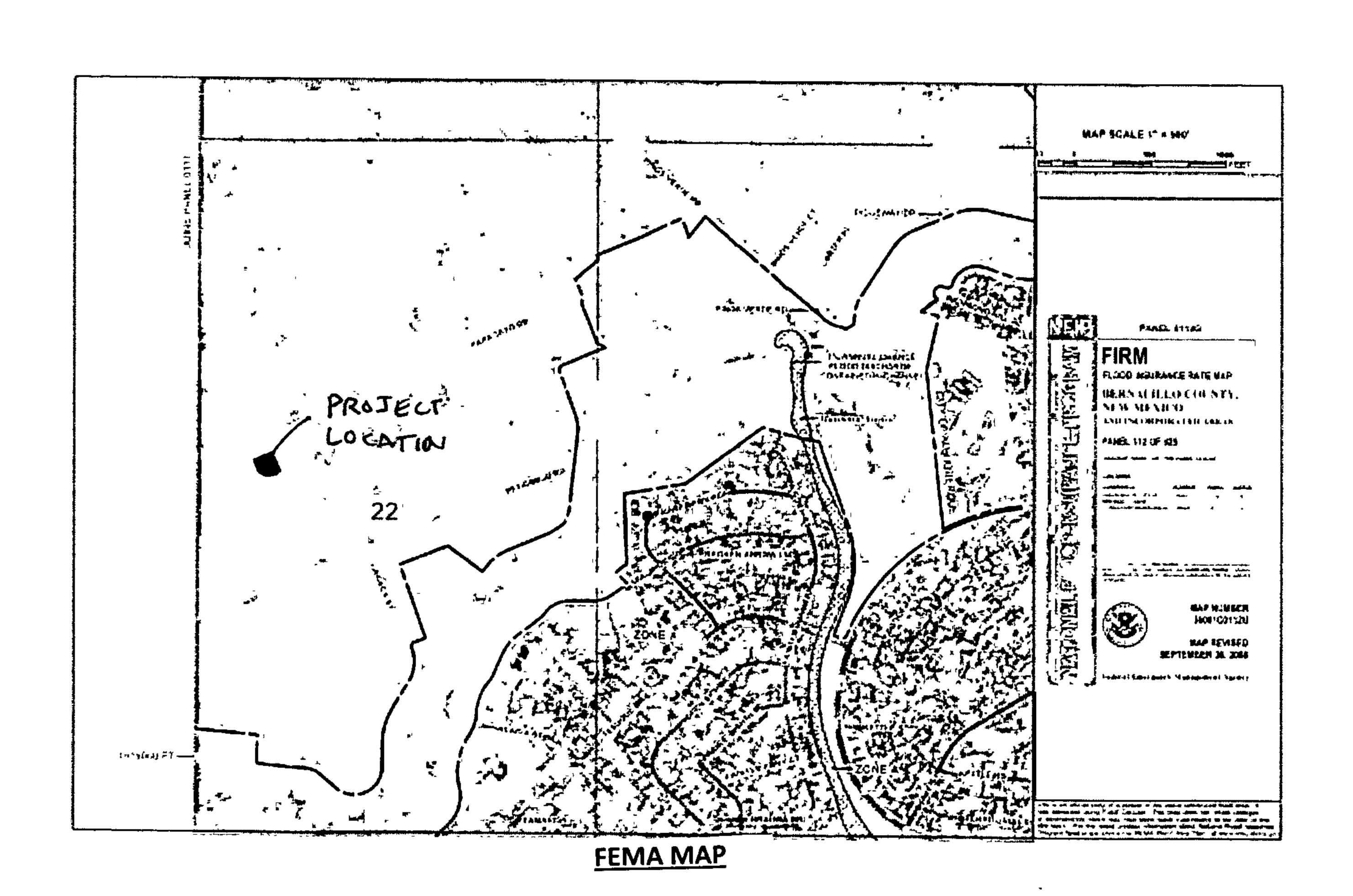
| | (REV 02/2013) | | 1 1 DA X2 0 Q | | |
|--|--|--|------------------------|--|--|
| Project Title: 6511 Canavid P | LNW GLO IND BUT | ilding Permit #: Ci | DDD008 ty Drainage #: | | |
| DRB#: ~~ | EPC#: | Work Order#: | ty Diamage #. | | |
| Legal Description: L8 B8 U18 | | | | | |
| City Address: 6511 Canasis | L NW ABO NM | | | | |
| Engineering Firm: Mokw De | seloput Inc | Contact: S to | r McAn | | |
| Address: S860 Deser | + FRILL NE | | | | |
| Phone#: 505.280-4553 | Fax#: <u>Su5-348-405</u> | E-mail: Sky | metroc witson a | | |
| Owner: <u>America</u> Home | Rutts | Contact: Mia | Huys HQ Comant Met | | |
| Address: | | · · · · · · · · · · · · · · · · · · · | | | |
| Phone#: 505.440 4632 | Fax#: | E-mail: Mhy | nhe | | |
| Architect: | ······································ | Contact: | | | |
| Address: | | | | | |
| Phone#: | Fax#: | E-mail: | | | |
| Surveyor: Sturm J. Mc | 400 | Contact: 51e | on Metro | | |
| Address: 8860 Dozent | Frich NE ABQ NM8 | | | | |
| | Fax#: <u>505-348-405</u> | - · · · | metro e wilson co. a | | |
| Contractor: Ganage Con | structure Solutions LLC | Contact: Q | La Commun | | |
| Address: 6020 In | dustris was | | | | |
| Phone#: 505 - 452.663 | Fax#: | E-mail: rud | C942mmcs.com | | |
| 975.280 6 TYPE OF SUBMITTAL: | CHECK TVP | E OF APPROVAL/ACCEPTANG | | | |
| DRAINAGE REPORT | | CIAL GUARANTEE RELEASE | L SOUGHT. | | |
| X DRAINAGE PLAN 1518 UBMITTAI | | RY PLAT APPROVAL | | | |
| DRAINAGE PLAN RESUBMITTAL | S. DEV. PLA | N FOR SUB'D APPROVAL | TEUNIEU. | | |
| CONCEPTUAL G & D PLAN | S. DEV. FOR | R BLDG. PERMIT APPROVEL | | | |
| GRADING PLAN | | AN APPROVAL | 1 9 2015 | | |
| EROSION & SEDIMENT CONTRO | | 11111 | EB 1 9 2015 | | |
| ENGINEER'S CERT (HYDROLOGY | CERTIFICA | TE OF OCCUPANCY (FERM) | STAIT SECTION | | |
| CLOMR/LOMR TRAFFIC CIRCLIL ATION LAVOUS | CERTIFICA CATOLA FOLDIDATIO | ON DEDMIT ADDOOUGLAND DE | VELOPMENT SECTION OF | | |
| TRAFFIC CIRCULATION LAYOUT ENGINEER'S CERT (TCL) | PUUNDATIV | TE OF OCCUPANCY (I CL. TEME ON PERMIT APPROVAL PERMIT APPROVAL | Doug & W. | | |
| ENGINEER'S CERT (TCL) ENGINEER'S CERT (DRB SITE PL | Z BOILDING | LICITIOTAL | O-19 APPROVAL | | |
| ENGINEER'S CERT (ESC) | | | SC PERMIT APPROVAL | | |
| SO-19 | | | SC CERT. ACCEPTANCE | | |
| OTHER (SPECIFY) | | | THER (SPECIFY) | | |
| WAS A PRE-DESIGN CONFERENCE AT | TENDED: Yes | No Copy Provided | | | |
| DATE SUBMITTED: 2-19-15 | By: St. I | MAS 15trom | J. Metro) | | |
| | | | <u> </u> | | |

Requests for approvals of Site Development Plans and/or Subdivision Plats shall be accompanied by a drainage submittal. The particular nature, location, and scope to the proposed development defines the degree of drainage detail. One or more of the following levels of submittal may be required based on the following

- Conceptual Grading and Drainage Plan Required for approval of Site Development Plans greater than five (5) acres and Sector Plans
- Drainage Plans Required for building permits, grading permits, paving permits and site plans less than five (5) acres
- Drainage Report: Required for subdivision containing more than ten (10) lots or constituting five (5) acres or more
- Erosion and Sediment Control Plan: Required for any new development and redevelopment site with 1-acre or more of land disturbing area, including project less than 1-acre than are part of a larger common plan of development



VICINITY MAP



Narrative

Grading and Drainage Plan for the construction of the building pad for Lot 8, Block 8, Unit 8, Volcano Cliff S Subdivision, being a part of SAD 228.

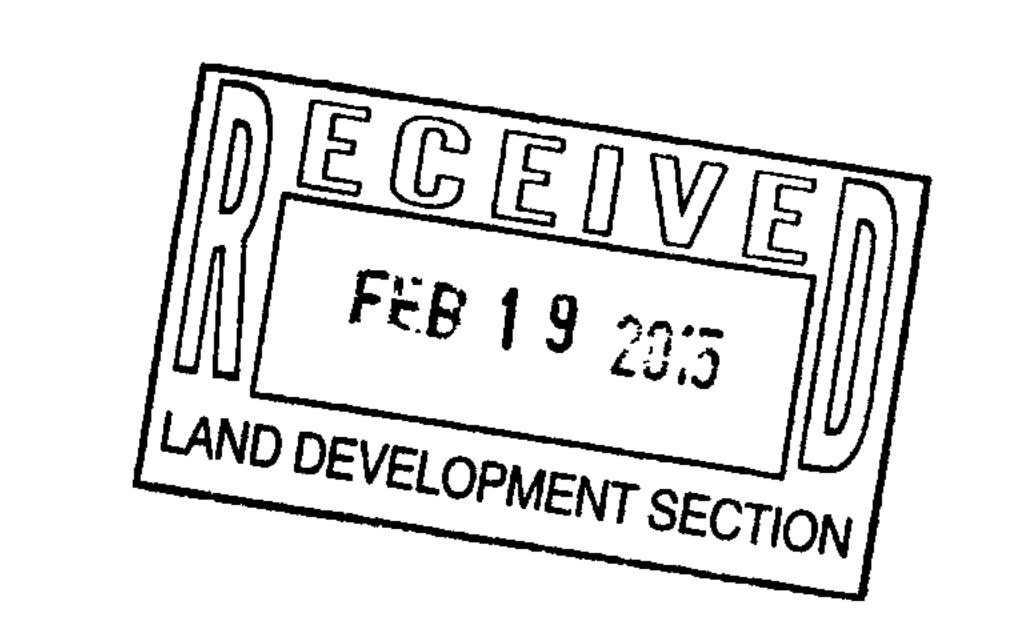
Address: 6511 CANAVIO PLACE, NW

Purpose of this Plan is to establish the first floor elevation, house layout, lot drainage including offsite flows.

First Flush per EPA Standards

The Initial First Flush to be manages is 0.44" less 0.10" initial impervious abstraction = 0.34" or 433 cubic feet. The initial storage on site will be collected and held in the two landscape ponds near the street as shown on the Plan.







(505) 280-4553

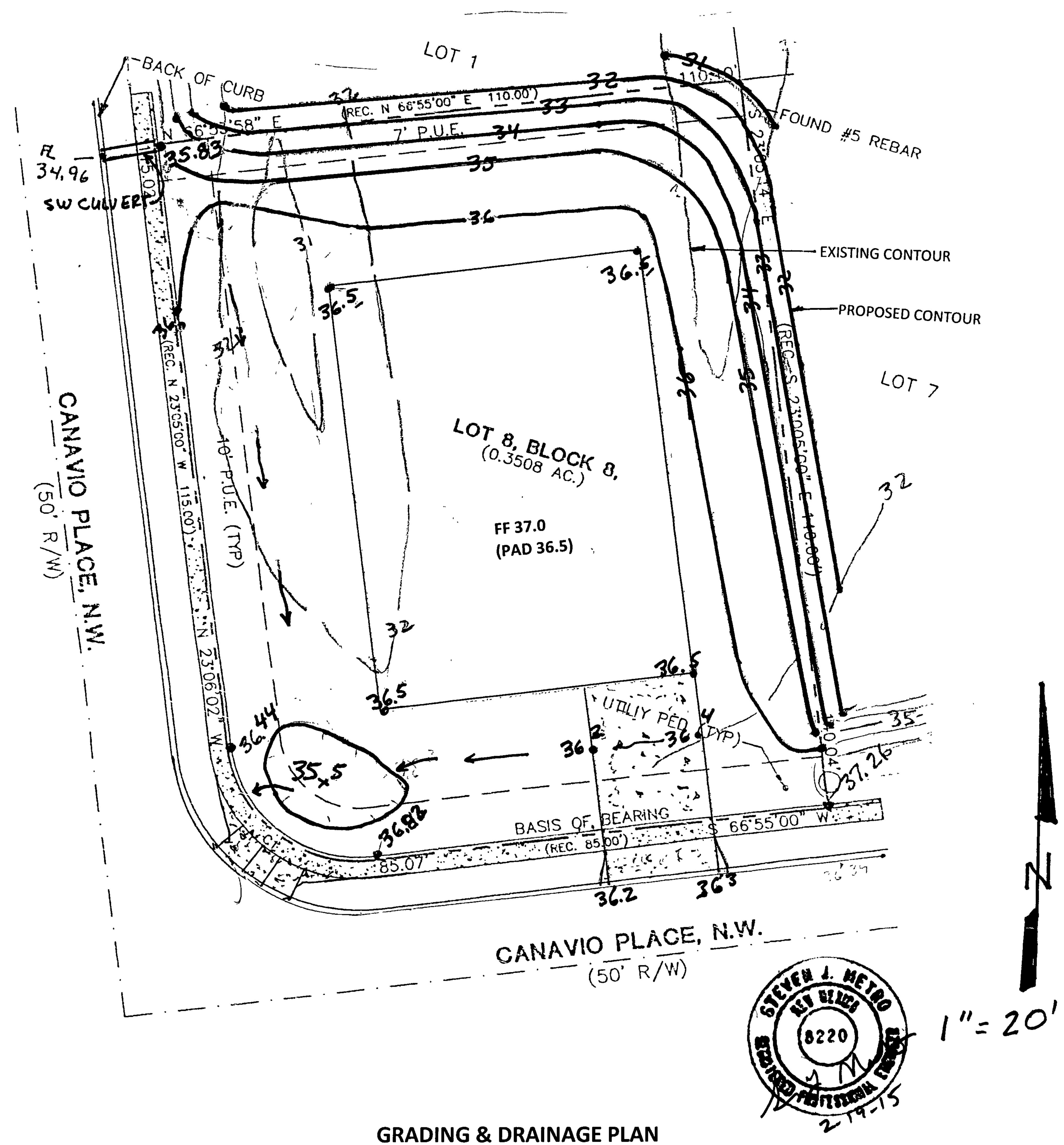
GRADING AND DRAINAGE PLAN

LOT 8 , BLOCK 8 , UNIT 18 , VCS

ADDRESS: 6511 CANAVIO PL NW

| <u>COVER</u> | AREA LOT SF | <u>%</u> | SAD 228 DMP % | Q100 CFS ACRE ZONE 1 | TOTAL PROP Q100 CFS | <u>SAD 228</u> <u>DMP</u> <u>Q100 CFS</u> |
|--------------|--------------|------------|------------------|------------------------|---------------------|---|
| TYPE D | 4,100 | 27% | 50 | 4.37 | 0.41 | 0.77 |
| TYPE C | 9,680 | 63% | 40 | 2.87 | 0.64 | 0.40 |
| TYPE B | <u>1,500</u> | <u>10%</u> | <u>10</u> | 2.03 | 0.07 | 0.07 |
| | 15280 | 100% | 100 | | 1.12 | 1.24 |

Initial first flush to be managed is 0.44" less 0.10" initial impervious abstraction = 0..34" or 433 Cu. Ft. The storage on site is greater than what is required for the first flush.



GRADING & DRAINAGE PLAN 6511 CANAVIO PLACE, NW

PREPARED BY STEVEN J. METRO, PE AND PS METRO: DEVELOPMENT, INC.

LOT 8, BLOCK 8,
VOLCANO CLIFFS UNIT 18
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO

From: deborah metro <metro.metrodevelopment@aol.com>

To: plndrs <plndrs@cabq.gov>

Cc: mhuynh <mhuynh@comcast.net>; rrael <rrael@cabq.gov>; metro.metrodevelopment

<metro.metrodevelopment@aol.com>

Subject: Grading & Drainage Revision Submittal for 6511 Canavio PI, NW

Date: Fri, May 13, 2016 9:58 am

Attachments: 6511 Canavio G&D Revision 5-13-16.pdf (1234K)

Attached is the G&D Revision for 6511 Canavio PL NW to add retaining walls.

I will deliver to the counter this morning. steve metro

Rael, Rudy E.

From:

Rael, Rudy E.

Sent:

Thursday, May 19, 2016 12:07 PM

To:

'steve.metro@wilsonco.com'

Cc: Subject: Abiel X. Carrillo 6511 Canavio Pl NW

Mr. Metro,

This email is being sent in lieu of an attached comment letter in order to expedite our response to previous comments. Response to comments should continue to be included in the resubmittal. A reply to these comments via email will not be considered a resubmittal.

Based upon the information provided in your resubmittal received 5/13/16, the above referenced Grading and Drainage Report and plan cannot be approved for Preliminary Plat, Grading Permit or Building Permit until the following comments are addressed:

- Provide an opening in the east and west rear block walls. Provide the inverts and sizes of the openings.
- Provide how the lots to the east will drain.
- Inform the owner/contractor a separate wall permit is required. Also, the wall must be
 designed by a PE if retaining more than 18".

Rudy E. Rael, CE, CFM

Engineer Associate, Hydrology Planning Department 600 2nd St. NW Suite 201 Albuquerque NM 87102 (505) 924-3977



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 09 2015)

| Project Title: 6511 Canario PL, NW G+DREVISION Building Permit # DRB# | City Dramage #. DIODO3 |
|--|---|
| | Work Order≠: |
| Legal Description. Lut 8, Block 8, Unit 18 VCS City Address: 6511 Canavis PL, NW | |
| | |
| Engineering Firm: Metro Development Inc | Contact. Star Mcho |
| Address. 8860 Donal Frich ME ABO NM 8712 | |
| Phone# 505-28V: 4553 Fax# | E-mail: Metro. Metro development e a |
| Owner: American Home Realty | Contact Mia Hunn M |
| Address: 1912 San Brean St. 5th N. | Contact /Viac Flug / |
| Address: 1912 San Breage 5th, Nov. Phone#. 505-440-4632 Fax# 505.503.7842 | E-mail mhuight à concit. 100 |
| Architect: | Contact: |
| Address: | Contact. |
| Phone# Fax# | E-mail: |
| Other Contact: | Contact: |
| Address: | |
| Phone# | E-mail: |
| CONCEPTUAL G & D PLAN GRADING PLAN DRAINAGE MASTER PLAN DRAINAGE REPORT CLOMR/LOMR TRAFFIC CIRCUITATION LAYOUT (TCL) SITE PLAN F SITE PL | E OF FINANCIAL GUARANTEE N PERMIT APPROVAL ERMIT APPROVAL OVAL MIT APPROVAL AD CERTIFICATION R APPROVAL |
| MOD RETAINING WALLS THIS A RESUBMITTAL? Yes No PRE-DESIGN NO PRE-DESIGN NO | CIFY) G+D REVISION |
| DATE SUBNITTED: 5-13-16 By: 5tern Metr | ······································ |

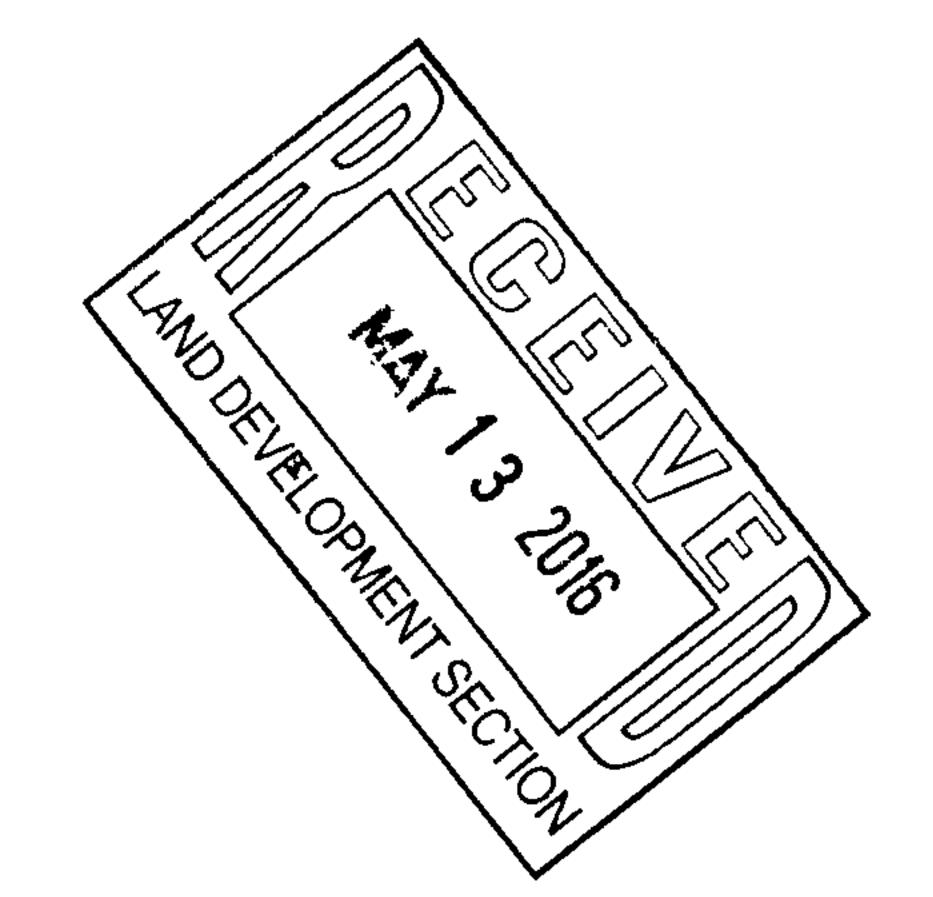
ELECTRONIC SUBMITTAL RECEIVED ____

COA STAFF

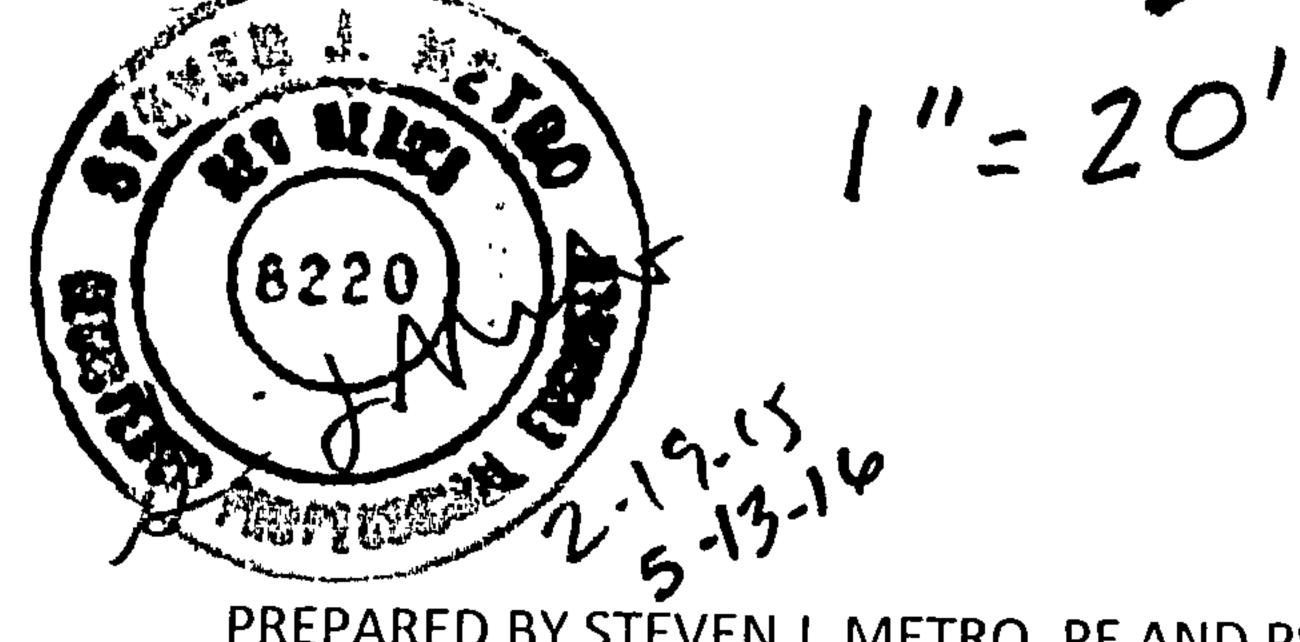
| COVER | AREA LOT SF | <u>%</u> | SAD 228 DMP % | Q100 CFS ACRE ZONE 1 | TOTAL PROP Q100 CFS | SAD 228 DMP Q100 CFS |
|--------|--------------|------------|------------------|------------------------|---------------------|------------------------|
| TYPE D | 4,100 | 27% | 50 | 4.37 | 0.41 | 0.77 |
| TYPE C | 9,680 | 63% | 40 | 2.87 | 0.64 | 0.40 |
| TYPE B | <u>1,500</u> | <u>10%</u> | <u>10</u> | 2.03 | 0.07 | 0.07 |
| | 15280 | 100% | 100 | | 1.12 | 1.24 |

Initial first flush to be managed is 0.44" less 0.10" initial impervious abstraction = 0..34" or 433 Cu. Ft. \nearrow The storage on site is greater than what is required for the first flush. RETAINING WALL TW 35.0 BW 32.0 TW 35.0 LOT BACK BW 31.0 CURB JREC. N 68.55'00' FOUND #5 REBAR 34,96 SW CULVERY · EXISTING CONTOUR 36.1 -PROPOSED CONTOUR LOT LOT 8, BLOCK 8, (0.3508 AC.) 8, RETAINING WALL * Q (5) FF 37.9° (PAD 36.5) TW 35.0 BW 32.0

CANAVIO PLACE, N.W.



GRADING & DRAINAGE PLAN 6511 CANAVIO PLACE, NW



PREPARED BY STEVEN J. METRO, PE AND PS

REVISION TO ADD RETAINING WALLS

LÖT 8, BLOCK 8, VOLCANO CLIFFS UNIT 18 CITY OF ALBUQUERQUE BERNALILLO COUNTY, NEW MEXICO