

90th PSE 0.44

EXISTING CONDITIONS

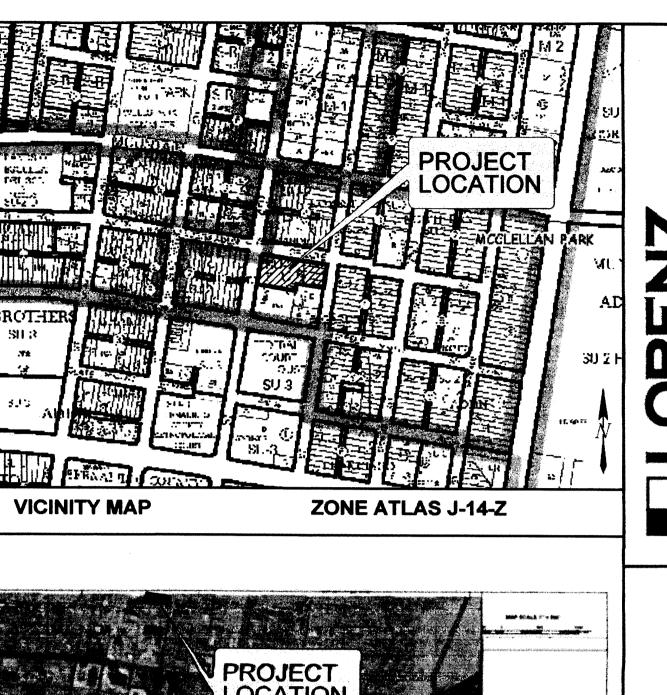
 BASIN
 AREA (ac)
 A (ac)
 B (ac)
 C (ac)
 D (ac)
 E
 Q (cfs)
 VOL (ac ft)

 SITE
 0.86
 0.00
 0.00
 0.86
 0.00
 1.13
 2.70
 0.081

PROPOSED CONDITIONS

BASIN AREA (ac) A (ac) B (ac) C (ac) D (ac) E Q (cfs) VOL (ac ft)

SITE 0.86 0.00 0.07 0.07 0.72 1.93 3.76 0.138



PROJECT LOCATION

Application of the property of the property

FIRM PANEL

35001C0332G & 35001C0334G

CONCEPTUAL GRADING AND DRAINAGE PLAN

PURPOSE AND SCOPE

Pursuant to the Drainage Ordinance for the City of Albuquerque and the Development Process Manual, this Conceptual Grading and Drainage Plan outlines the drainage management criteria for controlling developed runoff from the project site. The project consists of the construction of an 8,077 square foot building with paving, landscaping, utility, grading, and drainage improvements to support the project. The purpose of this Plan is to support Site Plan Approval. The scope of this plan is to present conceptual grading and drainage criteria for the safe management of excess runoff impacting the site from upstream drainage basins, and controlling excess runoff from the project site in a well-managed, non-erosive manner. A Final Grading and Drainage Plan will be prepared to support Building Permit application.

EXISTING CONDITIONS

The property is located at 330 Granite Avenue NW, between Third and Fourth Streets NW. The site is presently utilized as a parking lot. Existing site improvements consist of gravel surfacing. No buildings or permanent structures exist on the property. The site is extremely flat, with very little positive drainage in any direction. Excess runoff generally flows to the perimeter streets. Public storm drains exist in Third and Fourth Streets. The site is surrounded on three sides by public roadways. A paved parking lot and commercial development are located adjacent to the property on the south. No significant off-site flows impact the site.

As shown by the attached FIRM Panel, the site does not lie within a mapped 100 year Flood Zone. Portions of Third Street adjacent to the site are mapped as a Zone AO depth 1' Floodzone.

PROPOSED IMPROVEMENTS

As stated above, the project consists of the construction of an 8,077 square foot building with paving, landscaping, utility, grading, and drainage improvements. All developed runoff will be routed through landscaping to capture the first flush before release into the perimeter streets. All excess runoff will be collected by the existing public storm drain system located in Third and Fourth Streets.

Due to limited capacity of the existing public storm drainage system the City Hydrology Department has established a 2.75 cfs per acre maximum discharge rate for this site. Therefore, the site will implement detention ponding to limit developed discharge to 2.36 cfs for the project. This will be accomplished by utilizing a Type 'D' inlet in the parking lot near the northeast corner of the site. The inlet will drain to an existing public inlet located in Granite Avenue. An 8-inch drainline will be connected to the existing public inlet, restricting discharge to 2.36 cfs. The northeast corner of the proposed parking lot will serve as a detention pond for during heavy rains. A sidewalk culvert will be provided as an spillway should the pond overflow.

Construction will disturb an area of less than 1.0 acres, therefore a Storm Water Pollution Prevention Plan should not be required.

CALCULATIONS

AND GUTTER (N.I.C.)

DRAINAGE SWALE

100 YEAR FLOOD

HAZARD ZONE

DIRECTION OF FLOW

NEW PAVING

PROJECT DATA

PROPERTY ADDRESS:

LEGAL DESCRIPTION:

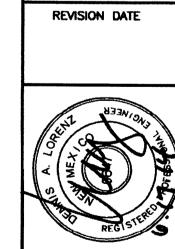
ALBUQUERQUE, NM 87103

LOT 5A, BLOCK C, DURAN & ALEXANDER ADDITION!

LOTS 1 & 2, BLOCK C, HOMESTEAD GARDEN ADDITION

330 GRANITE NW

The calculations shown hereon define the 100-year/6 hour design storm falling within the project area under existing and proposed conditions. The hydrology is per "Section 22.2, Part A, Development Process Manual, Vol 2", dated June 1997.



4TH AND OT UAL GRAPE IN IERQUE, NI

RBA
ARCHITECTURE
PLANNING
DESIGN
1104 Park Avs. SW
1104 Park Avs. SW
1404 part Avs.

DATE 06/02/2014

SHEET NUMBER

C-2.0

All plants shall be sized per American Standard for Nursery Stock. Installation size shall indicate the greater of height or spread. In cases where Type O plants have been pruned for rejuvenation, measurement should be by spread of roots rather than by the height of the plant.

SHADE TREES Gleditsia triacanthos 4" Cal., 12'-14' Inst./60' x 60' maturity Nater (M) Allergy (H) Osf JAPANESE PAGODA TREE 6 Sophora japonica 2" Cal., 12'-14' Inst./35' x 35' maturity Water (M) Allergy (L) Osf EASTERN REDBUD Cercis canadensis 2" Cal., 8'-10' Inst./30' x 30' maturity Water (M) Allergy (L) Osf PURPLE-LEAF PLUM Prunus cerastifera 1 1/2" Cal., 10'-12' Inst./20' x 20x maturity Mater (M) Allergy (L) Osf

| SHRUBS/ORNAMENTAL GRASSES | | | | |
|---------------------------|--|--|--|--|
| + | NEM MEXICO OLIVE 4 Forestiera neomexicana 15 Gal., 4'-10' Inst./15' x 15' maturity Mater (M) Allergy (L) 225sf | | | |
| ZWZ | ROSE OF SHARON 2 Hibiscus syriacus 5 Gal., 2'-4' Inst./10' x 10' maturity Water (M) Allergy (L) 100sf | | | |
| * | MAIDENGRASS 19 Miscanthus sinensis 5 Gal., 18"-3' Inst./5' x 5' maturity Mater (M+) Allergy (L) 25sf | | | |
| Ö | * SCOTCH BROOM 3 Cytisus scoparius 5 Gal., 18"-3' Inst./4' x 4' maturity Water (M) Allergy (L) 16sf | | | |
| * | * RED YUCCA 24 Hesperaloe parviflora 5 Gal., 18"-3' Inst./3' x 4' maturity Mater (L+) Allergy (L) 16sf | | | |
| 0 | * SKYROCKET JUNIPER 9 Juniperus scopulorum 5 Gal., 12"-3' Inst./20' x 3' maturity Mater (M) Allergy (L) 9sf | | | |
| � | CATMINT 32 Nepeta mussini 1 Gal., 3"-15" Inst./1' x 2' maturity Mater (M) Allergy (L) 4sf | | | |

GROUNDCOVERS

| ~~~ | MINTER JASMINE | 15 |
|-----|--|--------------|
| | Jasminum nudiflorum 5 Gal., 6"-15" Inst./4' x | 12' maturitu |
| ~LD | Mater (L+) Allergy (L) | |
| | | |

* BUFFALO JUNIPER 13 Juniperus sabina 'Buffalo' 5 Gal., 24"-4' Inst./2' x 8' maturity Mater (L+) Allergy (L) 64sf

VINES

* BANK'S ROSE Rosa banksiae 5 Gal., 6"-15" Inst./climbing to 20' SONORPHONE Mater (M) Allergy (L)

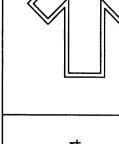
HARDSCAPES

SANTA FE BROWN GRAVEL MITH FILTER FABRIC TO A MINIMUM 3" DEPTH

OVERSIZED GRAVEL & BOULDERS

* DENOTES EVERGREEN PLANT MATERIAL

The Owner is responsible for



LANDSCAPE ARCHITECT'S



ANTHEA GRANITE

The Hilliep

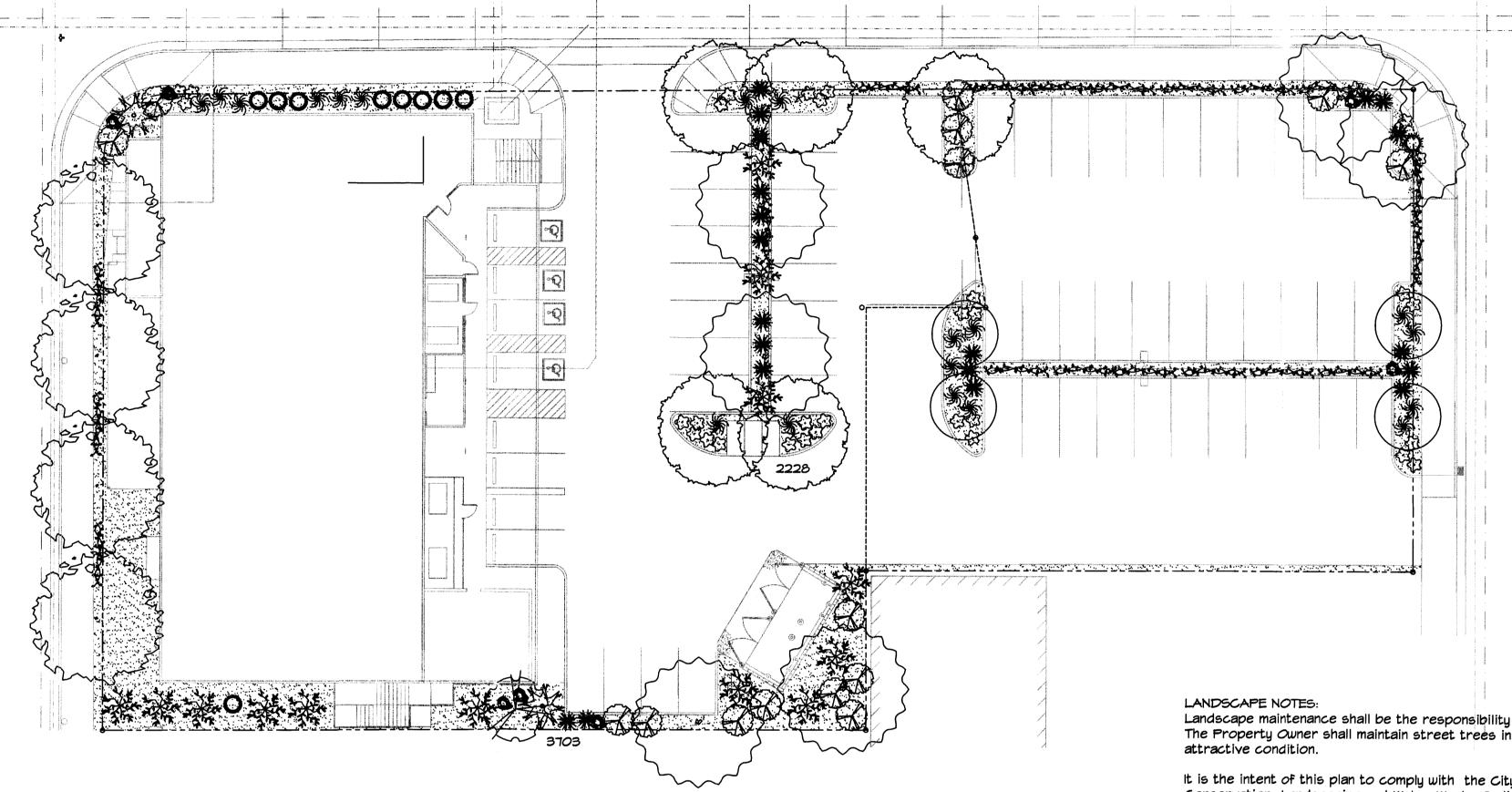
AWN BY dm VISION # 5-30-14 6-16-14 7-28-14 7/30/14 DATE F - 0 2 4

GRAPHIC SCALE

20 10 0 10 20

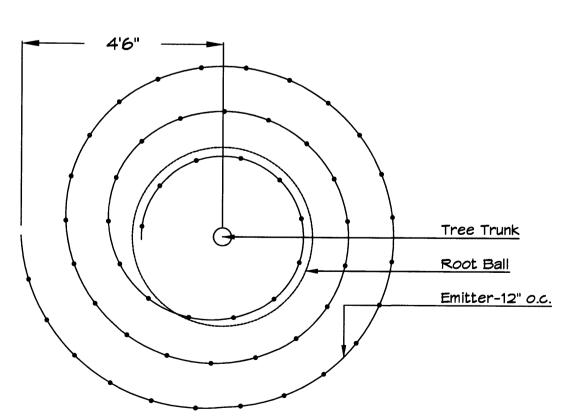
SCALE: 1"=20'

SHEET # 1 OF /



LANDSCAPE CALCULATIONS

| | | - |
|----------------------------------|-------|-------------|
| TOTAL LOT AREA | 39201 | square feet |
| TOTAL BUILDINGS AREA | 8500 | square feet |
| NET LOT AREA | 30701 | square feet |
| LANDSCAPE REQUIREMENT | 15% | |
| TOTAL LANDSCAPE REQUIREMENT | 4605 | square feet |
| TOTAL BED PROVIDED | 5931 | square feet |
| GROUNDCOVER REQ. | 75% | square feet |
| TOTAL GROUNDCOVER REQUIREMENT | 4255 | square feet |
| TOTAL GROUNDCOVER PROVIDED | 5116 | square feet |
| TOTAL PONDING AREA | | square feet |
| TOTAL SOD AREA | 0 | square feet |
| (max. 20% of landscape required) | | , |
| TOTAL NATIVE SEED AREA | | square feet |
| TOTAL LANDSCAPE PROVIDED | 5931 | square feet |
| | | |



Netafim Spiral Detail

Landscape maintenance shall be the responsibility of the Property Owner. The Property Owner shall maintain street trees in a living, healthy, and

It is the intent of this plan to comply with the City Of Albuquerque Water Conservation Landscaping and Water Waste Ordinance planting restriction approach. Approval of this plan does not constitute or imply exemption from water waste provisions of the Water Conservation Landscaping and Mater Maste Ordinance.

Mater management is the sole responsibility of the Property Owner. All landscaping will be in conformance with the City of Albuquerque Zoning Code, Street Tree Ordinance, Pollen Ordinance, and Water Conservation Landscaping and Mater Maste Ordinance. In general, water conservative. environmentally sound landscape principles will be followed in design and

Plant beds shall achieve 75% live ground cover at maturity.

Brown Gravel over Filter Fabric to a minimum depth of 3" shall be placed in all landscape areas which are not designated to receive native seed.

IRRIGATION NOTES:

Irrigation shall be a complete underground system with Trees to receive 1 Netafim spiral (50' length) with 3 loops at a final radius of 4.5' from tree trunk, pinned in place. Netafim shall have emitters 12" o.c. with a flow of .6 gph. Shrubs to receive (2) 1.0 GPH Drip Emitters. Drip and Bubbler systems to be tied to 1/2" polypipe with flush caps at each end. Trees and shrubs shall be on separate valves.

Run time per each shrub drip valve will be approximately 15 minutes per day. Tree drip valve shall run 1.5 hours, 3 times per week. Run time will be adjusted according to the season.

Point of connection for irrigation system is unknown at current time and will be coordinated in the field. Irrigation will be operated by automatic controller.

Location of controller to be field determined and power source for controller to be provided by others.

Irrigation maintenance shall be the responsibility of the Property Owner.

Mater and Power source shall be the responsibility of the Developer/Builder.

maintenance of streetscape within City ROM.

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