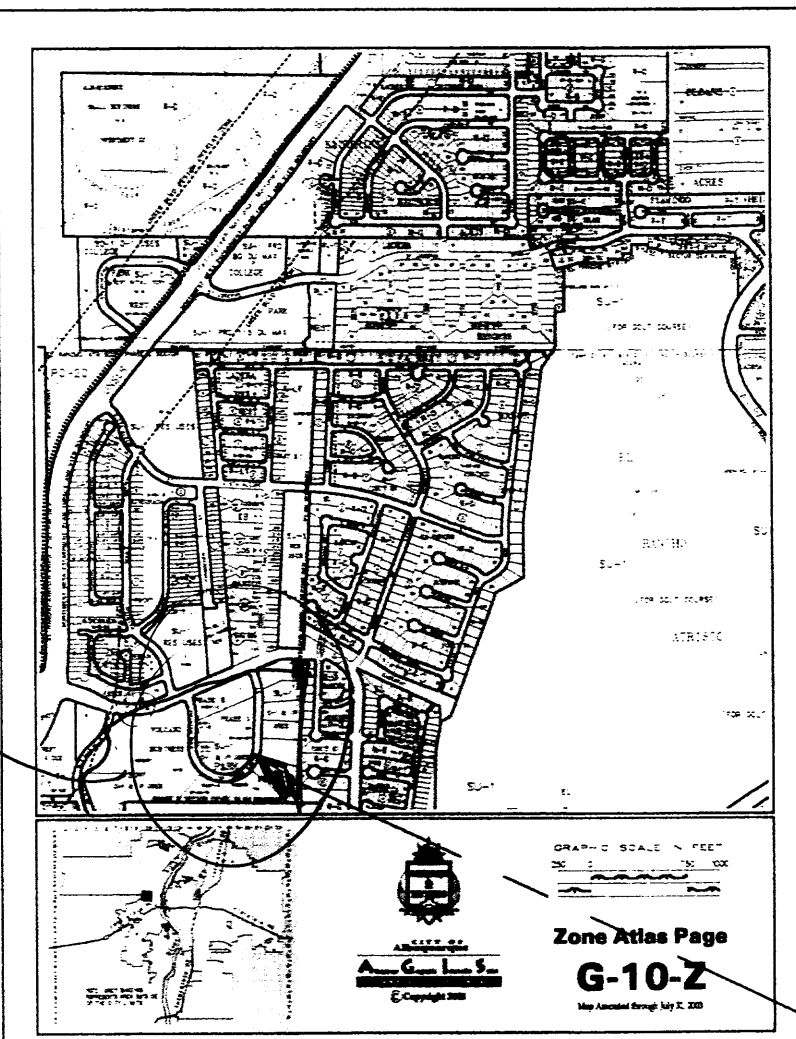


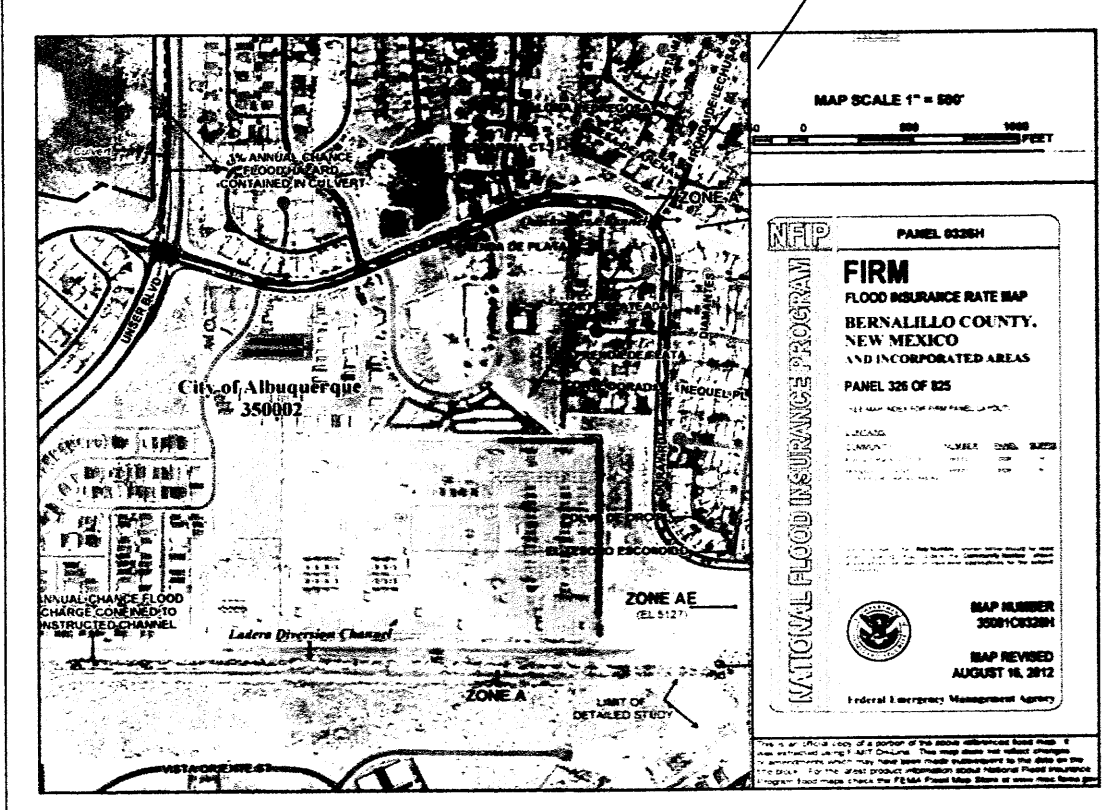
610-D296

38



KEYED NOTES

- 1 GRVEL CRUSHER FINES PAVING IN FENCED YARD TYP OR ASPHALT MILLINGS
- 2 EXISTING HIGH VOLTAGE POWERLINE POWERPOLE (5 EA.) TYPICAL
- 3 ASPHALT PAVING SURFACE
- 4 25' WIDE ROLLING GATE
- 5 SWANSON ROLL AWAY BIN ON A 5'X9' CONCRETE PAD
- 6 NEW 45' WIDE CURB CUT PER COA 2426 (15' RADIUS ON RETURNS)
- 7 NEW 30' WIDE CURB CUT PER COA 2426 (15' RADIUS ON RETURNS)



GRADING/ DRAINAGE PLAN

THE FOLLOWING ITEMS CONCERNING LOT 6, VOLCANO BUSINESS PARK SUBDIVISION (3006 TODOS SANTOS STREET N.W.) ARE CONTAINED HEREON:

EXISTING CONDITIONS

AS SHOWN BY THE VICINITY MAP, THE SITE CONTAINS 1.73 ACRES MORE OR LESS AND IS LOCATED SOUTH OF THE INTERSECTION OF TODOS SANTOS ST. N.W. AND QUARRY RD. N.W. AND EAST OF TODOS SANTOS STREET. THE SITE IN ITS PRESENT CONDITION IS VACANT AND SLOPES FROM WEST TO EAST TOWARDS THE EXISTING 40' FOOT DRAINAGE EASEMENT. ACCORDING TO THE FLOOD INSURANCE RATE MAP, PANEL 0326H, REVISED AUGUST 16, 2012, THIS SITE IS NOT LOCATED WITHIN A DESIGNATED FLOOD ZONE.

PROPOSED CONDITIONS

AS SHOWN ON THE GRADING/DRAINAGE PLAN, THE PROJECT WILL CONSIST OF TWO PHASES. PHASE ONE WILL BE A 1,000 SQUARE FOOT OFFICE BUILDING AND SHOP ALONG WITH PAVED PARKING AND ASSOCIATED LANDSCAPING AREAS. PHASE TWO WILL CONSIST OF A 3,000 SQUARE FOOT PRE-FAB BUILDING. THE DEVELOPED RUN-OFF WILL BE DIRECTED EAST TOWARDS THE EXISTING 40' FOOT DRAINAGE EASEMENT. THE DRAINAGE EASEMENT IS A WELL DEFINED DIRT SWALE, WHICH SLOPES FROM SOUTH TO NORTH. A DRAINAGE REPORT WAS PREPARED BY LARRY READ AND ASSOCIATES FOR ALLRITE ROOFING SYSTEMS (3040 PAINTED ROCK DRIVE N.W.) (GTD-0296). THE REPORT INCLUDES AN ANALYSIS OF THE TOTAL BASIN WITHIN LOT 6 VOLCANO BUSINESS PARK IS A PART OF THIS BASIN. INCLUDED WITH THE SUBMITTAL ARE COPIES FROM THE ABOVE REFERENCED REPORT BY MR. READ. THERE ARE NO OFF-SITE FLOWS ENTERING THE SITE FROM ANY DIRECTION OTHER THAN WHAT THE 40' FOOT EASEMENT ACCEPTS. THE 100-YEAR HYDROLOGIC CALCULATIONS PROVIDE A QUANTITATIVE ANALYSIS FOR EACH TRACT OF LAND FOR THE FULLY DEVELOPED CONDITIONS. ALL THE SITES REFERENCED ON THE REPORT ARE ALLOWED FREE DISCHARGE. THE CALCULATIONS WHICH APPEAR HEREON ANALYSIS THE EXISTING AND PROPOSED CONDITIONS FOR THE 100-YEAR, 6-HOUR RAINFALL EVENT. THE PROCEDURE FOR 40 ACRES AND SMALLER BASINS, AS SET FORTH IN THE REVISION OF SECTION 22.2 HYDROLOGY OF THE DEVELOPMENT PROCESS MANUAL VOLUME 1, DESIGN CRITERIA 1997, HAS BEEN USED TO QUANTIFY THE PEAK RATE OF DISCHARGE AND VOLUME OF RUN-OFF GENERATED.

FIRST FLUSH CALCS. 0.44 INCHES X 0.458 = 0.20152 ACRE INCHES FIRST FLUSH WILL NOT DELIVER POTENTIALLY HIGH CONCENTRATED OF POLLUTANTS BECAUSE THE IMPERVIOUS RUN-OFF WILL NOT DIRECTLY ENTER THE STORM SYSTEM UNTIL IT TRAVELS FROM THE SITE TO THE EAST TO THE PRIVATE 40' DRAINAGE EASEMENT AND THEN NORTH TO THE STORM DRAINAGE SYSTEM.

CALCULATIONS

PROJECT AREA = 1.729
GUTIERREZ MAINTENANCE SHOP
ZONE 1
PRECIPITATION: 360 = 2.20 in.
1440 = 2.66 in.
10day = 3.67 in.

| TREATMENT | AREA | EXISTING CONDITIONS: | PROPOSED CONDITIONS: |
|-------------|----------|----------------------|----------------------|
| TREATMENT A | 0.44 in. | 1.29 cfs/ac. | 0.28976 ac. |
| TREATMENT B | 0.67 in. | 2.03 cfs/ac. | 0.01224 ac. |
| TREATMENT C | 0.99 in. | 2.87 cfs/ac. | 0.9691 ac. |
| TREATMENT D | 1.97 in. | 4.37 cfs/ac. | 0.458 ac. |

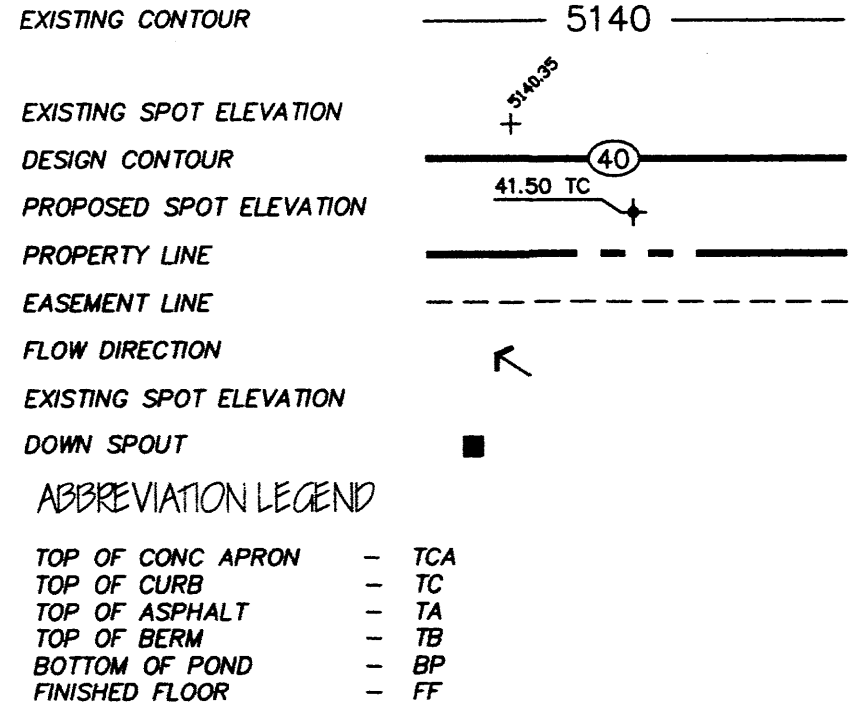
EXISTING EXCESS PRECIPITATION:
Weighted E = (0.44) x (1.73) + (0.67) x (0.00) + (0.99) x (0.00) + (1.97) x (0.00) / 1.73 ac. = 0.44 in.
V100-360 = (0.44) x (1.73) / 12 = 0.063397 ac-ft = 2762 CF

EXISTING PEAK DISCHARGE:
Q100 = (1.29) x (1.73) + (2.03) x (0.00) + (2.87) x (0.00) + (4.37) x (0.00) = 2.23 CFS

PROPOSED EXCESS PRECIPITATION:
Weighted E = (0.44) x (0.29) + (0.67) x (0.01) + (0.99) x (0.97) + (1.97) x (0.46) / 1.73 ac. = 1.16 in.
V100-360 = (1.16) x (1.73) / 12.0 = 0.166447 ac-ft = 7250 CF
V100-1440 = (0.17) x (0.46) x (2.66 - 2.20) / 12 = 0.184004 ac-ft = 8015 CF
V100-10day = (0.17) x (0.46) x (3.67 - 2.20) / 12 = 0.222552 ac-ft = 9694 CF

PROPOSED PEAK DISCHARGE:
Q100 = (1.29) x (0.29) + (2.03) x (0.01) + (2.87) x (0.97) + (4.37) x (0.46) = 6.18 CFS
DIFFERENCE 5.18 CFS - 2.23 CFS = 2.95 CFS
ALLOWABLE FREE DISCHARGE PER LARRY READ'S REVISED MASTER DRAINAGE STUDY "DATED SEPTEMBER 25, 2003 Q = 7.46 CFS > 5.18 CFS" OK

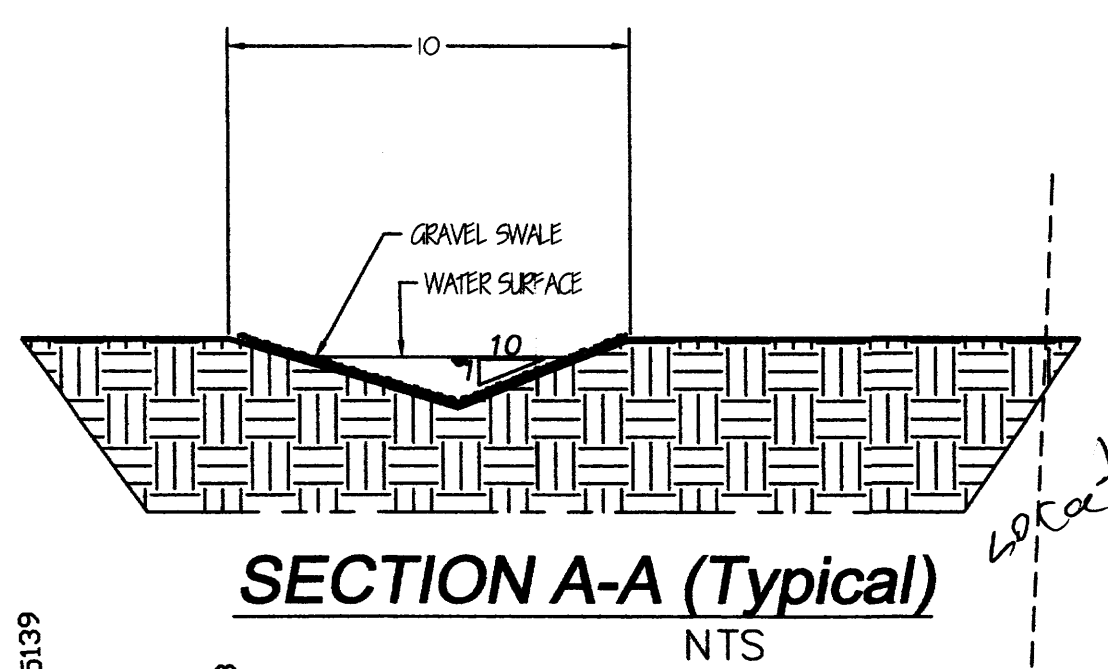
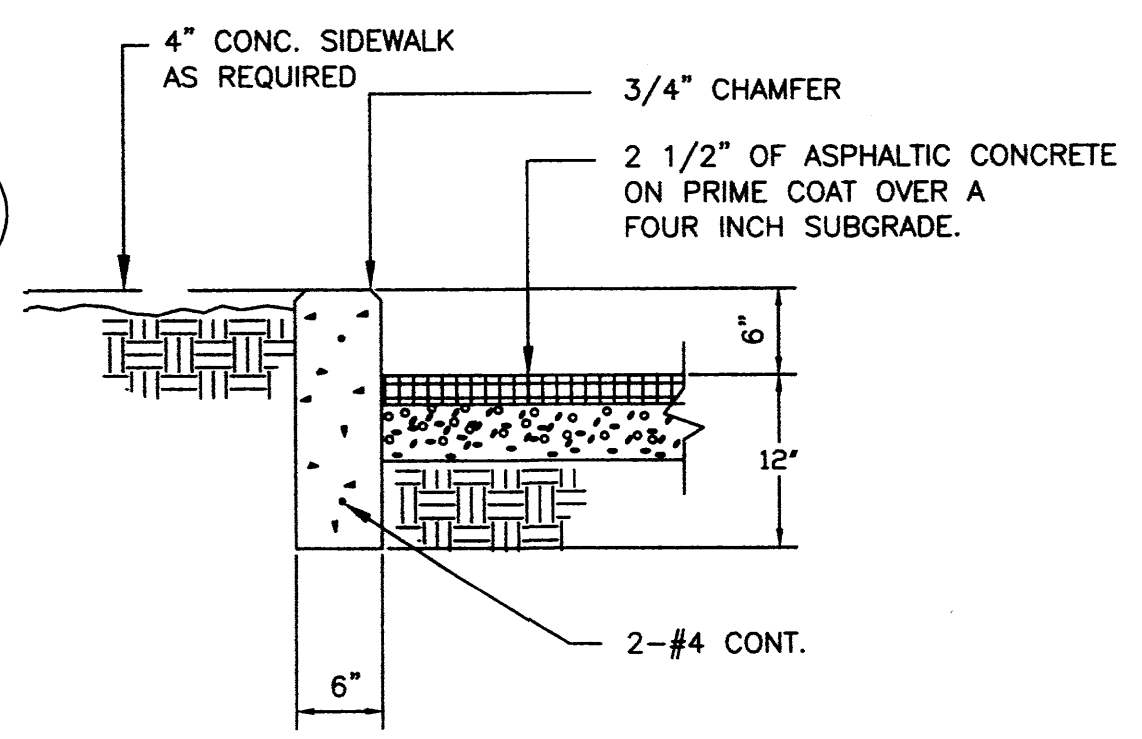
SYMBOL LEGEND



LEGAL DESCRIPTION

LOT 6 VOLCANO BUSINESS PARK PHASE 1
BERNALILLO COUNTY, ALBUQUERQUE NEW MEXICO
ZONING SU-1, IP

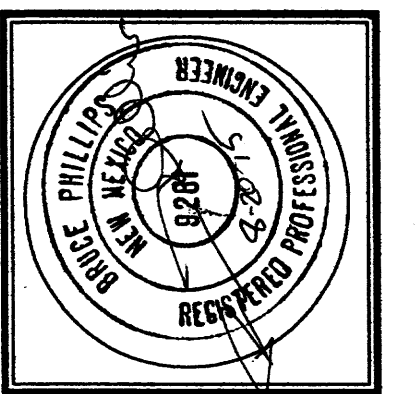
BENCHMARK INFORMATION
C.O.A. BENCHMARK USED 10-010 LOCATED WITHIN THE INTERSECTION OF QUARRY N.W. AND PIEDRA DE LA PLATA
ELEVATION: 5125.745



GRADING & DRAINAGE PLAN

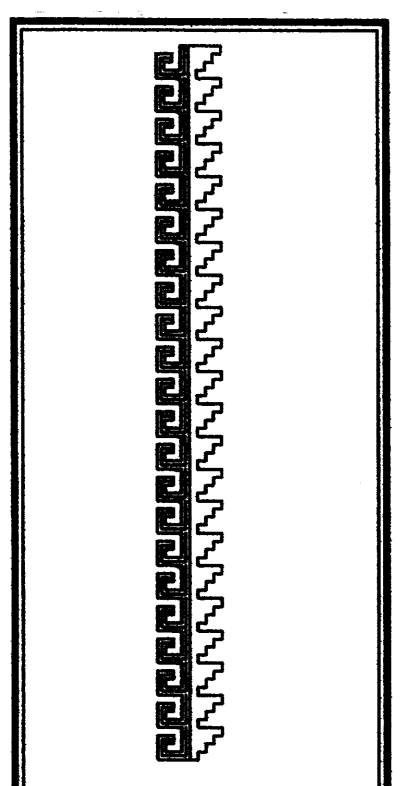
Scale 1" = 20' 0"

Show Flow Rate
57 cfs Accepted
Per 610-D296
Report
and 2009
Report by
Dennis Loring



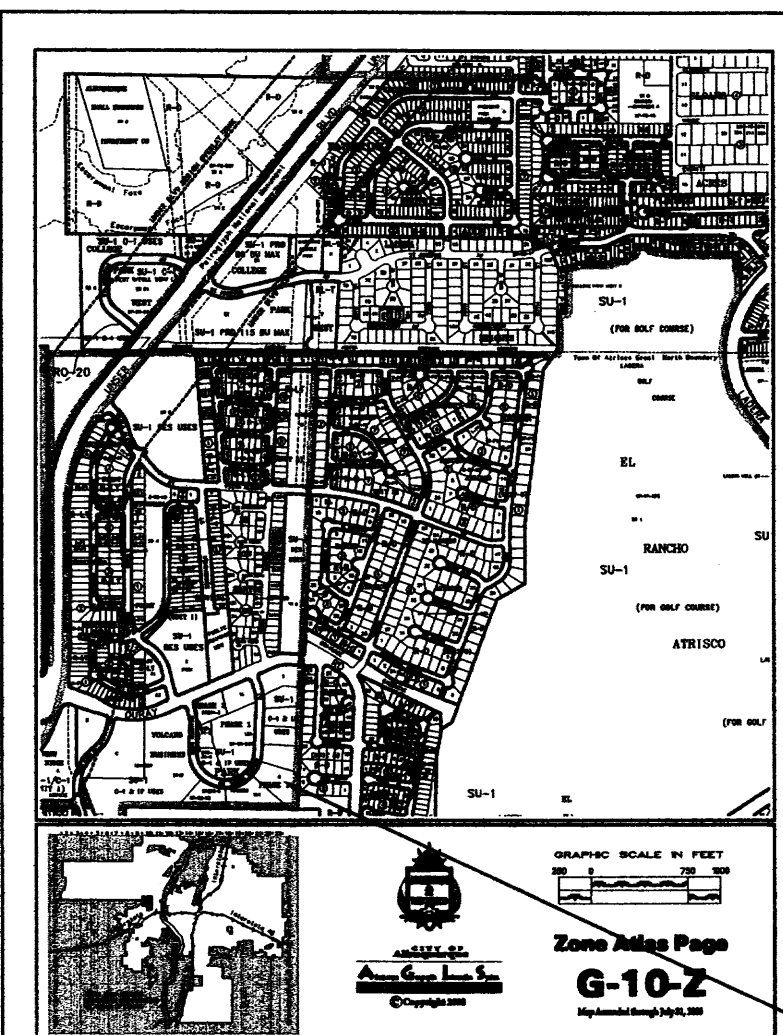
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| DATE: | AUGUST 2015 |
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Sheet Title
GRADING AND DRAINAGE PLAN
Drawn By: HTH & BUM Checked By: BP



Job Title
**GUTIERREZ TRUCKING
MAINTENANCE FACILITY**
3006 TODOS SANTOS STREET N.W.
ALBUQUERQUE, NEW MEXICO

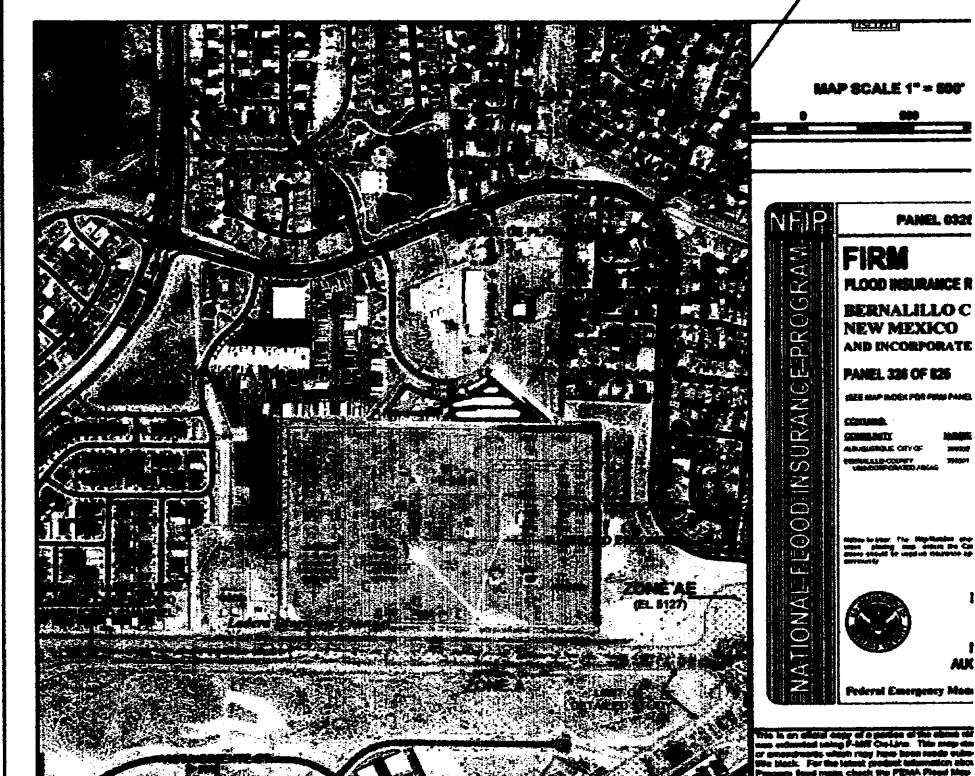
SHEET NO. 1 OF 1
GD



KEYED NOTES

- 1 GRAVEL CRUSHER FINES PAVING IN FENCED YARD TYP OR ASPHALT MILLINGS
- 2 EXISTING HIGH VOLTAGE POWERLINE POWERPOLE (5 EA.) TYPICAL
- 3 ASPHALT PAVING SURFACE
- 4 25' WIDE ROLLING GATE
- 5 SWANSON ROLL AWAY BIN ON A 5'X9' CONCRETE PAD
- 6 NEW 45' WIDE CURB CUT PER COA 2426 (15' RADIUS ON RETURNS)
- 7 NEW 30' WIDE CURB CUT PER COA 2426 (15' RADIUS ON RETURNS)
- 8 FIRST FLUSH POND 562 CU FT
- 9 DEPRESSED LANDSCAPE AREA

SITE LOCATION



GRADING/DRAINAGE PLAN

THE FOLLOWING ITEMS CONCERNING LOT 6, VOLCANO BUSINESS PARK SUBDIVISION (3006 TODOS SANTOS STREET N.W.) ARE CONTAINED HEREON:

EXISTING CONDITIONS

AS SHOWN BY THE VICINITY MAP, THE SITE CONTAINS 1.73 ACRES MORE OR LESS AND IS LOCATED SOUTH OF THE INTERSECTION OF TODOS SANTOS ST. N.W. AND OURAY RD. N.W. AND EAST OFF TODOS SANTOS STREET. THE SITE IN ITS PRESENT CONDITION IS VACANT AND SLOPES FROM WEST TO EAST TOWARDS THE EXISTING 40' FOOT DRAINAGE EASEMENT. ACCORDING TO THE FLOOD INSURANCE RATE MAP, PANEL 0326H, REVISED AUGUST 16, 2012, THIS SITE IS NOT LOCATED WITHIN A DESIGNATED FLOOD ZONE.

PROPOSED CONDITIONS

AS SHOWN ON THE GRADING/DRAINAGE PLAN, THE PROJECT WILL CONSIST OF TWO PHASES. PHASE ONE WILL BE A 1,000 SQUARE FOOT OFFICE BUILDING AND SHOP ALONG WITH PAVED PARKING AND ASSOCIATED LANDSCAPING AREAS. PHASE TWO WILL CONSIST OF A 3,000 SQUARE FOOT PRE-FAB BUILDING (PLAN DRAWING HAS BEEN REVISED TO INDICATE CONSTRUCTION WITHIN EACH PHASE). THE DEVELOPED RUN-OFF WILL BE DIRECTED EASTWARD TOWARDS THE FIRST FLUSH POND AND THEN ONTO THE EXISTING 40' FOOT DRAINAGE EASEMENT. THE DRAINAGE EASEMENT IS A WELL DEFINED DIRT SWALE, WHICH SLOPES FROM SOUTH TO NORTH. A DRAINAGE REPORT WAS PREPARED BY LARRY READ AND ASSOCIATES FOR ALLRITE ROOFING SYSTEMS (3040 PAINTED ROCK DRIVE N.W.) (G10-D29G). THE REPORT INCLUDES AN ANALYSIS OF THE TOTAL BASIN IN WHICH LOT 6 VOLCANO BUSINESS PARK IS A PART OF THIS BASIN. INCLUDED WITH THE SUBMITTAL ARE COPIES FROM THE ABOVE REFERENCED REPORT BY MR. READ. OFF-SITE FLOWS ENTER THE SITE AT THE FAR SOUTHEAST CORNER OF THE SITE. LOT 7A1 VOLCANO BUSINESS PARK ACCORDING TO MR. READS ANALYSIS IS REQUIRED TO POND THEIR DEVELOPED RUN-OFF WITH A FREE DISCHARGE OF 5.70 CFS ONTO THE EXISTING 40' DRAINAGE EASEMENT AT THE SOUTHEAST CORNER OF LOT 6 VOLCANO BUSINESS PARK WHICH THEN WILL TRAVEL FROM SOUTH TO NORTH ALONG THE EXISTING 40' DRAINAGE EASEMENT. NO OTHER OFF-SITE FLOWS ENTER THE SITE FROM ANY OTHER DIRECTION. THE 100-YEAR HYDROLOGIC CALCULATIONS PROVIDE A QUANTITATIVE ANALYSIS FOR EACH TRACT OF LAND, FOR THE FULLY DEVELOPED CONDITIONS. ALL THE SITES REFERENCED ON THE REPORT HAVE EITHER FREE DISCHARGE OR DISCHARGE RATES SHOWN ON THE TABLES PROVIDED. THE CALCULATIONS WHICH APPEAR HEREON, ANALYSIS THE EXISTING AND PROPOSED CONDITIONS FOR THE 100-YEAR, 6-HOUR RAINFALL EVENT. THE PROCEDURE FOR 40 ACRES AND SMALLER BASINS, AS SET FORTH IN THE REVISION OF SECTION 22.2 HYDROLOGY OF THE DEVELOPMENT PROCESS MANUAL VOLUME II, DESIGN CRITERIA 1997, HAS BEEN USED TO QUANTIFY THE PEAK RATE OF DISCHARGE AND VOLUME OF RUN-OFF GENERATED.

CALCULATIONS

PROJECT AREA = 1.729
GUTTER/REZ MAINTENANCE SHOP
ZONE 1
PRECIPITATION: 360 = 2.20 in.
1440 = 2.66 in.
10day = 3.67 in.

| EXCESS PRECIPITATION: | PEAK DISCHARGE: |
|-----------------------|-----------------|
| TREATMENT A 0.44 in. | 1.29 cfs/oc. |
| TREATMENT B 0.67 in. | 2.03 cfs/oc. |
| TREATMENT C 0.99 in. | 2.87 cfs/oc. |
| TREATMENT D 1.97 in. | 4.37 cfs/oc. |

| EXISTING CONDITIONS: | PROPOSED CONDITIONS: |
|-----------------------|----------------------|
| TREATMENT A 1.729 ac. | AREA 0.28976 ac. |
| TREATMENT B 0 ac. | 0.01224 ac. |
| TREATMENT C 0 ac. | 0.96991 ac. |
| TREATMENT D 0 ac. | 0.458 ac. |

EXISTING EXCESS PRECIPITATION:

Weighted E = $(0.44 \times 1.73) + (0.67 \times 0.00) + (0.99 \times 0.00) + (1.97 \times 0.00) / 1.73$ ac.
= 0.44 in.
V100-360 = $(0.44 \times 1.73) / 12 = 0.063397$ ac-ft = 2762 CF

EXISTING PEAK DISCHARGE:

Q100 = $(1.29 \times 1.73) + (2.03 \times 0.00) + (2.87 \times 0.00) + (4.37 \times 0.00) = 2.23$ CFS

PROPOSED EXCESS PRECIPITATION:

Weighted E = $(0.44 \times 0.29) + (0.67 \times 0.01) + (0.99 \times 0.97) + (1.97 \times 0.46) / 1.73$ ac.
= 1.16 in.
V100-360 = $(1.16 \times 1.73) / 12.0 = 0.166447$ ac-ft = 7250 CF

V100-1440 = $(0.17 \times 0.46) \times (2.66 - 2.20) / 12 = 0.184004$ ac-ft = 8015 CF

V100-10day = $(0.17 \times 0.46) \times (3.67 - 2.20) / 12 = 0.222552$ ac-ft = 9694 CF

PROPOSED PEAK DISCHARGE:

Q100 = $(1.29 \times 0.29) + (2.03 \times 0.01) + (2.87 \times 0.97) + (4.37 \times 0.46) = 5.18$ CFS

DIFFERENCE 5.18 CFS - 2.23 CFS = 2.95 CFS
ALLOWABLE FREE DISCHARGE PER LARRY READ'S REVISED MASTER DRAINAGE STUDY
DATED SEPTEMBER 25, 2003 Q = 7.46 CFS > 5.18 CFS OK

SYMBOL LEGEND

EXISTING CONTOUR

EXISTING SPOT ELEVATION

DESIGN CONTOUR

PROPOSED SPOT ELEVATION

PROPERTY LINE

EASEMENT LINE

FLOW DIRECTION

EXISTING SPOT ELEVATION

DOWN SPOUT

ABBREVIATION LEGEND

| | |
|-------------------|-------|
| TOP OF CONC APRON | - TCA |
| TOP OF CURB | - TC |
| TOP OF ASPHALT | - TA |
| TOP OF BERM | - TB |
| BOTTOM OF POND | - BP |
| FINISHED FLOOR | - FF |

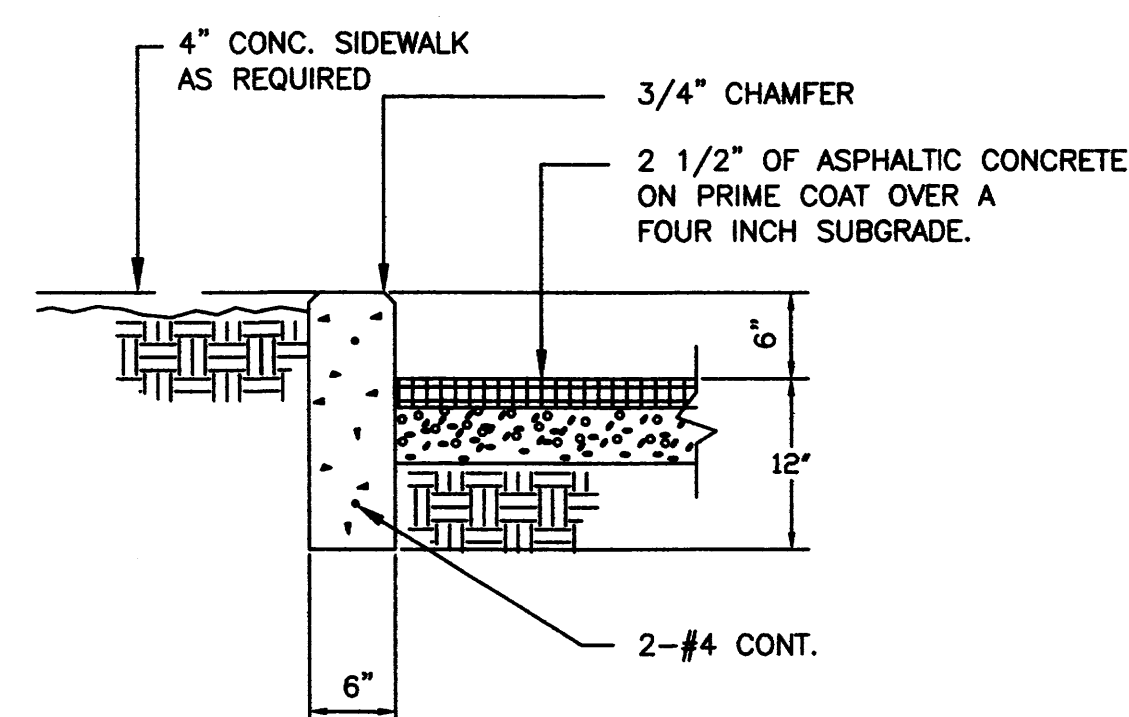
LEGAL DESCRIPTION

LOT 6 VOLCANO BUSINESS PARK PHASE 1
BERNALILLO COUNTY, ALBUQUERQUE NEW MEXICO

ZONING SU-1, IP

BENCHMARK INFORMATION

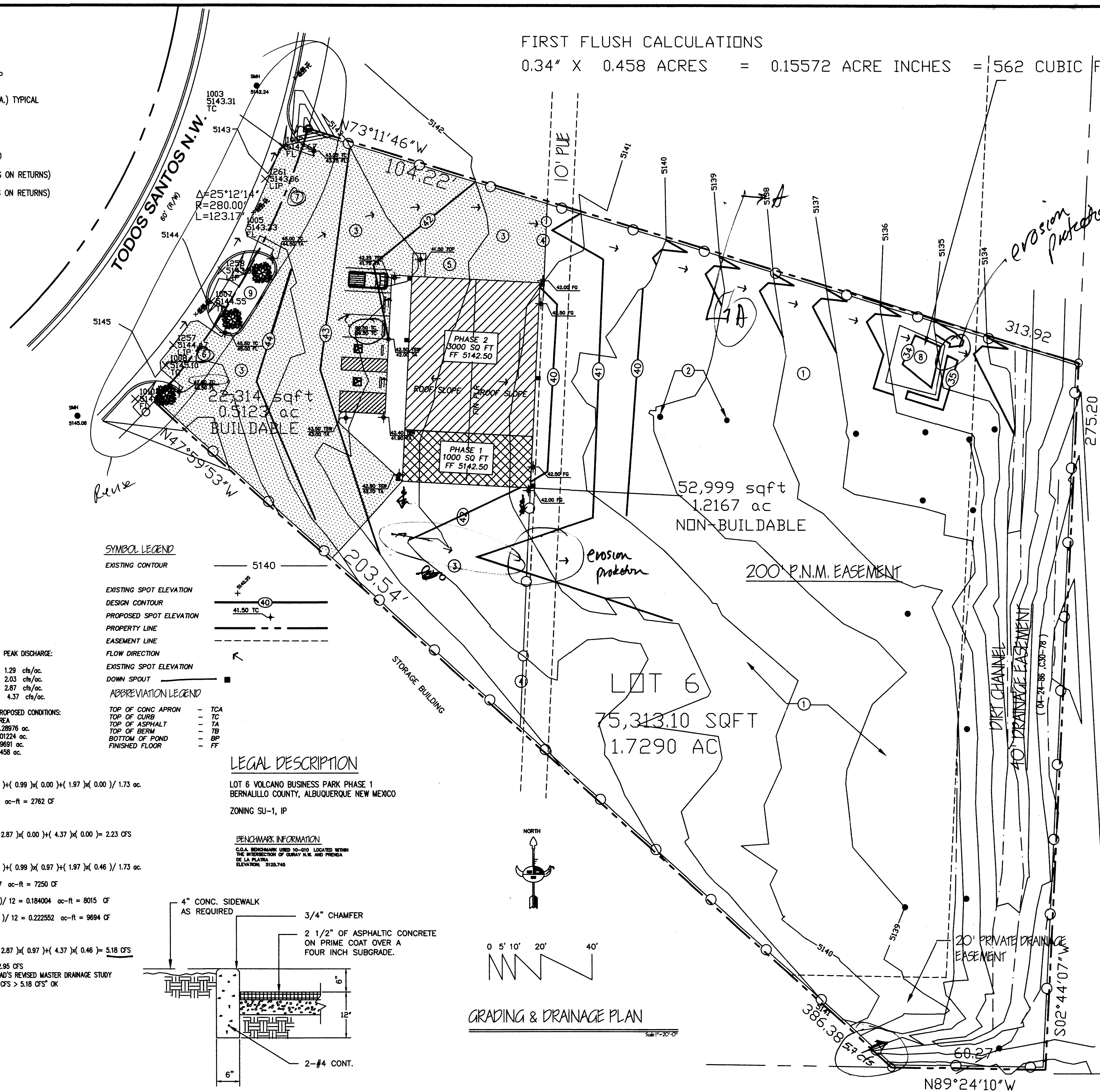
C.G.A. BENCHMARK USED 10-G10, LOCATED WITHIN
THE INTERSECTION OF OURAY AVE. AND PRENSA
ELEVATION: 5125.745



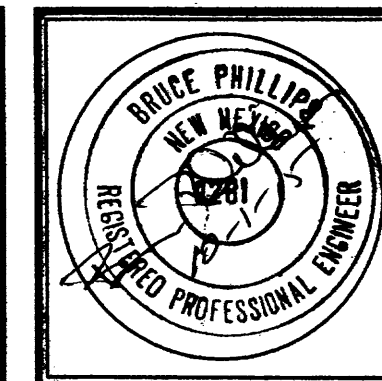
TYPICAL CONC. CURB DETAIL
3/4"=1'-0"

FIRST FLUSH CALCULATIONS

0.34" X 0.458 ACRES = 0.15572 ACRE INCHES = 562 CUBIC FEET



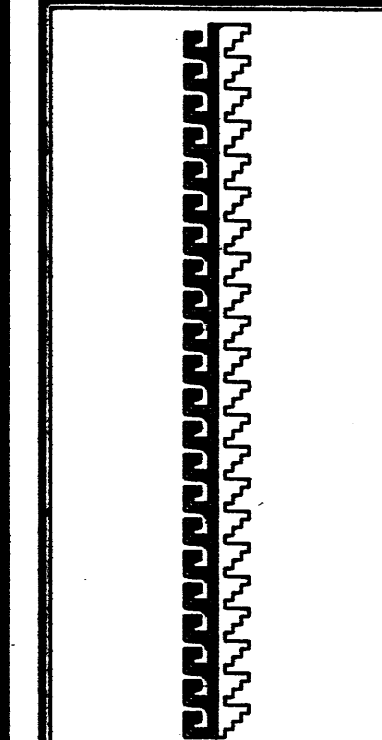
GRADING & DRAINAGE PLAN
Scale 1"=20'-0"



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| DATE: | AUGUST 2015 |
| REVISIONS | |
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Sheet Title
GRADING AND DRAINAGE PLAN

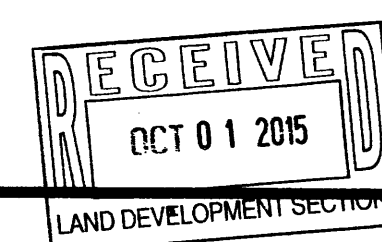
Drawn By: MTH & B.M. Checked By: BP



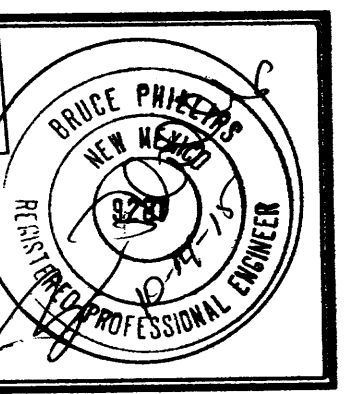
Job Title
GUTIERREZ TRUCKING
MAINTENANCE FACILITY
3006 TODOS SANTOS STREET N.W.
ALBUQUERQUE, NEW MEXICO

SHEET NO. 1 OF 1

GD

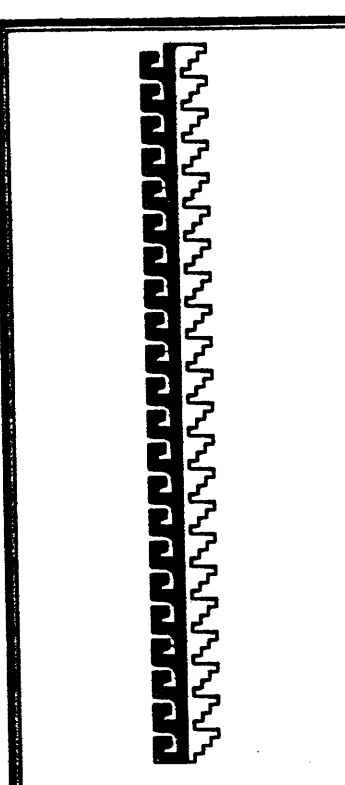


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LAND DEVELOPMENT SECTION



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| 10-11-2015 | |

Sheet Title
GRADING AND DRAINAGE PLAN
Drawn By: HTH & BJM Checked By: BP

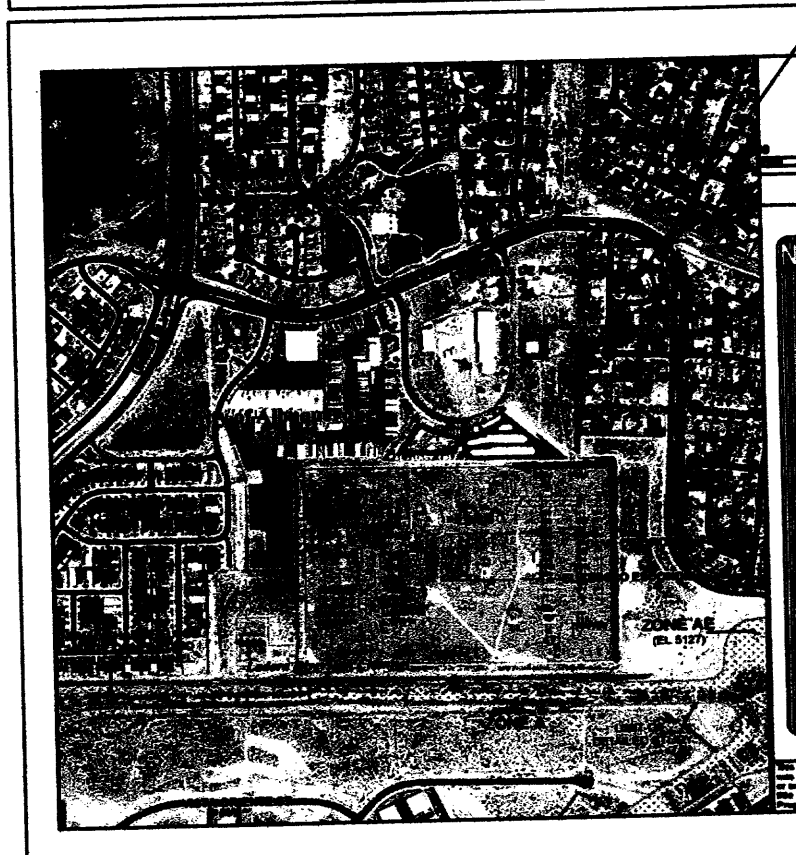
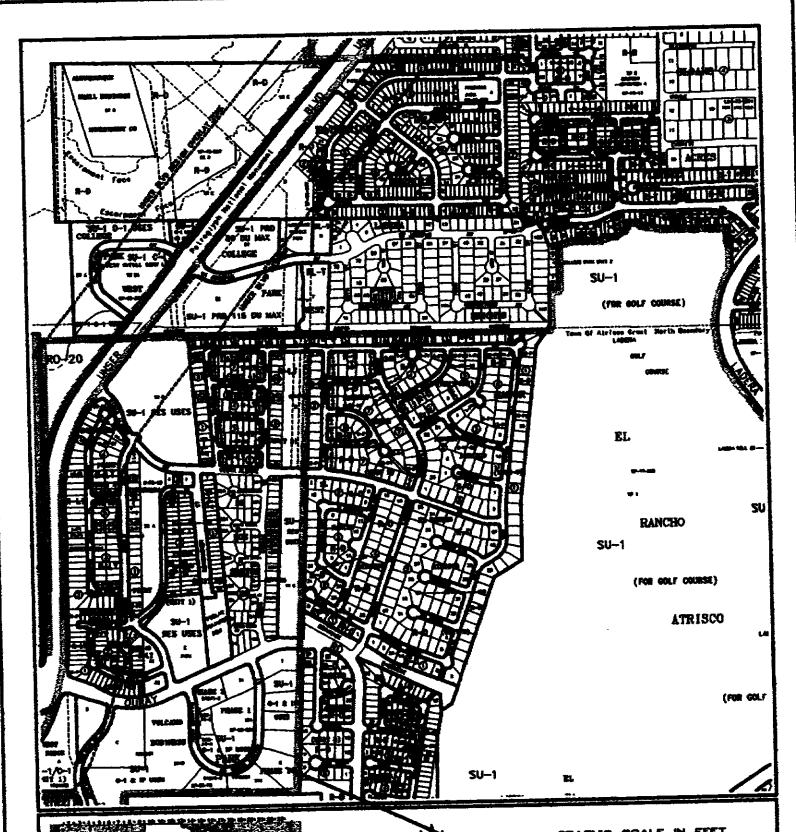


Job Title
**GUTIERREZ TRUCKING
MAINTENANCE FACILITY**
3006 TODOS SANTOS STREET N.W.
ALBUQUERQUE, NEW MEXICO

SHEET NO. 1 OF 1
GD

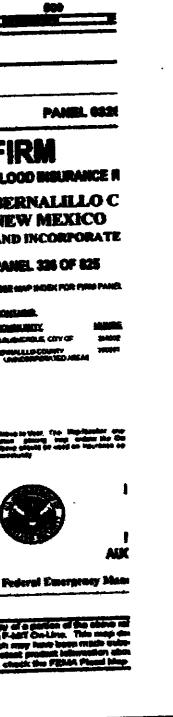
KEYED NOTES

- 1 GRAVEL CRUSHER FINES PAVING IN FENCED YARD TYP OR ASPHALT MILLINGS
- 2 EXISTING HIGH VOLTAGE POWERLINE POWERPOLE (5 EA.) TYPICAL
- 3 ASPHALT PAVING SURFACE
- 4 25' WIDE ROLLING GATE
- 5 SWANSON ROLL AWAY BIN ON A 5'X9' CONCRETE PAD
- 6 NOT USED
- 7 NEW 30' WIDE CURB CUT PER COA 2420 (15' RADIUS ON RETURNS)
- 8 FIRST FLUSH POND 562 CU FT
- 9 DEPRESSES LANDSCAPE AREA
- 10 SURFACE PROTECTED BY 2" φ RIVER ROCK



SITE LOCATION

MAP SCALE 1" = 80'



GRADING/ DRAINAGE PLAN

THE FOLLOWING ITEMS CONCERNING LOT 6, VOLCANO BUSINESS PARK SUBDIVISION (3006 TODOS SANTOS STREET N.W.) ARE CONTAINED HEREON:

EXISTING CONDITIONS

AS SHOWN BY THE VOLUME MAP, THE SITE CONTAINS 1.73 ACRES MORE OR LESS AND IS LOCATED SOUTH OF THE INTERSECTION OF TODOS SANTOS ST. N.W. AND GURAY RD. N.W. AND EAST OFF OF TODOS SANTOS STREET. THE SITE IN ITS PRESENT CONDITION IS VACANT AND SLOPES FROM WEST TO EAST TOWARDS THE EXISTING 40' FOOT DRAINAGE EASEMENT. ACCORDING TO THE FLOOD INSURANCE RATE MAP, PANEL 0326H, REVISED AUGUST 16, 2012, THIS SITE IS NOT LOCATED WITHIN A DESIGNATED FLOOD ZONE.

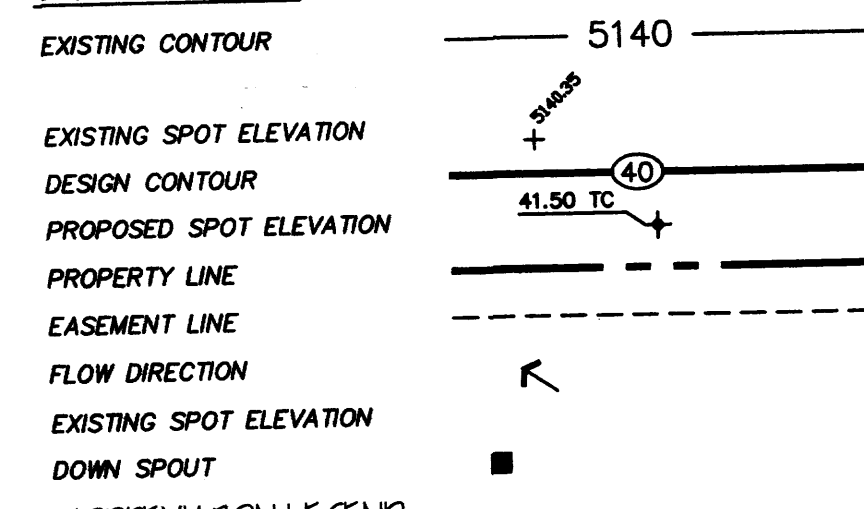
PROPOSED CONDITIONS

AS SHOWN ON THE GRADING/DRAINAGE PLAN, THE PROJECT WILL CONSIST OF TWO PHASES. PHASE ONE WILL BE A 1,000 SQUARE FOOT OFFICE BUILDING AND SHOP ALONG WITH PAVED PARKING AND ASSOCIATED LANDSCAPING AREAS. PHASE TWO WILL CONSIST OF A 3,000 SQUARE FOOT PRE-FAB BUILDING. THE DEVELOPED RUN-OFF WILL BE DIRECTED EAST TOWARDS THE EXISTING 40' FOOT DRAINAGE EASEMENT. THE DRAINAGE EASEMENT IS A WELL DEFINED DIRT SWALE, WHICH SLOPES FROM SOUTH TO NORTH. A DRAINAGE REPORT WAS PREPARED BY LARRY READ AND ASSOCIATES FOR ALLRITE ROOFING SYSTEMS (3040 PAINTED ROCK DRIVE N.W.) (G10-D296). THE REPORT INCLUDES AN ANALYSIS OF THE TOTAL BASIN IN WHICH LOT 6 VOLCANO BUSINESS PARK IS A PART OF THIS BASIN. INCLUDED WITH THE SUBMITTAL ARE COPIES FROM THE ABOVE REFERENCED REPORT BY MR. READ. THERE ARE NO OFF-SITE FLOWS ENTERING THE SITE FROM ANY DIRECTION OTHER THAN WHAT THE 40' FOOT EASEMENT ACCEPTS. THE 100-YEAR HYDROLOGIC CALCULATIONS PROVIDE A QUANTITATIVE ANALYSIS FOR EACH TRACT OF LAND, FOR THE FULLY DEVELOPED CONDITIONS. ALL THE SITES REFERENCED ON THE REPORT ARE ALLOWED FREE DISCHARGE. THE CALCULATIONS WHICH APPEAR HEREON ANALYSIS THE EXISTING AND PROPOSED CONDITIONS FOR THE 100-YEAR, 6-HOUR RAINFALL EVENT. THE PROCEDURE FOR 40 ACRES AND SMALLER BASINS, AS SET FORTH IN THE REVISION OF SECTION 22.2 HYDROLOGY OF THE DEVELOPMENT PROCESS MANUAL, VOLUME II, DESIGN CRITERIA 1997, HAS BEEN USED TO QUANTIFY THE PEAK RATE OF DISCHARGE AND VOLUME OF RUN-OFF GENERATED.

CALCULATIONS

| | |
|---|--|
| PROJECT AREA = 1.729 | ACRES |
| GUTIERREZ MAINTENANCE SHOP | |
| ZONE 1 | |
| PRECIPITATION: | 360 = 2.20 in. |
| | 1440 = 2.66 in. |
| | 10day = 3.67 in. |
| EXCESS PRECIPITATION: | |
| TREATMENT A | 0.44 in. |
| TREATMENT B | 0.67 in. |
| TREATMENT C | 0.99 in. |
| TREATMENT D | 1.97 in. |
| PEAK DISCHARGE: | |
| | 1.29 cfs/ac. |
| | 2.03 cfs/ac. |
| | 2.87 cfs/ac. |
| | 4.37 cfs/ac. |
| EXISTING CONDITIONS: | |
| AREA | 1.729 ac. |
| TREATMENT A | 0 ac. |
| TREATMENT B | 0 ac. |
| TREATMENT C | 0 ac. |
| TREATMENT D | 0 ac. |
| PROPOSED CONDITIONS: | |
| AREA | 0.28976 ac. |
| | 0.01224 ac. |
| | 0.9691 ac. |
| | 0.458 ac. |
| EXISTING EXCESS PRECIPITATION: | |
| Weighted E = | $(0.44 \times 1.73) + (0.67 \times 0.00) + (0.99 \times 0.00) + (1.97 \times 0.00) / 1.73$ ac. |
| | = 0.44 in. |
| V100-360 = | $(0.44 \times 1.73) / 12 = 0.063397$ ac-ft = 2762 CF |
| EXISTING PEAK DISCHARGE: | |
| Q100 = | $(1.29 \times 1.73) + (2.03 \times 0.00) + (2.87 \times 0.00) + (4.37 \times 0.00) = 2.23$ CFS |
| PROPOSED EXCESS PRECIPITATION: | |
| Weighted E = | $(0.44 \times 0.29) + (0.67 \times 0.01) + (0.99 \times 0.97) + (1.97 \times 0.46) / 1.73$ ac. |
| | = 1.16 in. |
| V100-360 = | $(1.16 \times 1.73) / 12.0 = 0.166447$ ac-ft = 7250 CF |
| V100-1440 = | $(0.17 \times 0.46) + (2.66 - 2.20) / 12 = 0.184004$ ac-ft = 8015 CF |
| V100-10day = | $(0.17 \times 0.46) + (3.67 - 2.20) / 12 = 0.222552$ ac-ft = 9694 CF |
| PROPOSED PEAK DISCHARGE: | |
| Q100 = | $(1.29 \times 0.29) + (2.03 \times 0.01) + (2.87 \times 0.97) + (4.37 \times 0.46) = 5.18$ CFS |
| DIFFERENCE | 5.18 CFS - 2.23 CFS = 2.95 CFS |
| ALLOWABLE FREE DISCHARGE PER LARRY READ'S REVISED MASTER DRAINAGE STUDY | |
| "DATED SEPTEMBER 25, 2003 Q = 7.46 CFS > 5.18 CFS" OK | |

SYMBOL LEGEND



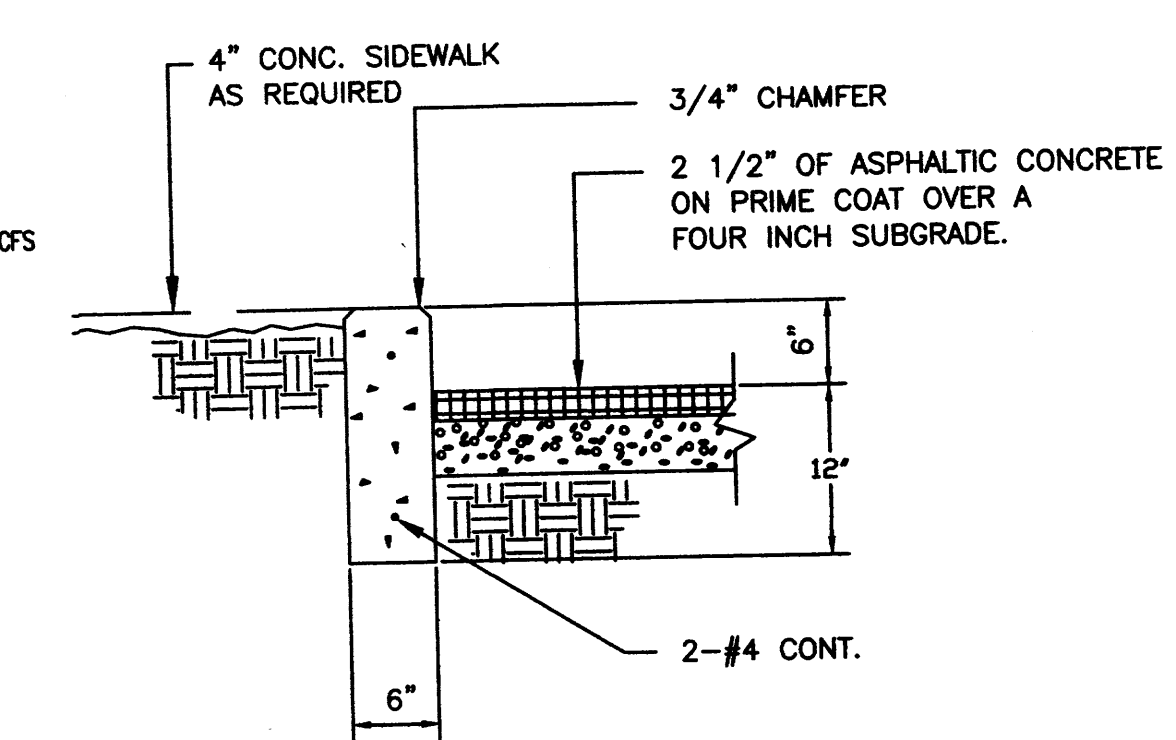
ABBREVIATION LEGEND

- TOP OF CONC APRON - TCA
- TOP OF CURB - TC
- TOP OF ASPHALT - TA
- TOP OF BERM - TB
- BOTTOM OF POND - BP
- FINISHED FLOOR - FF

LEGAL DESCRIPTION

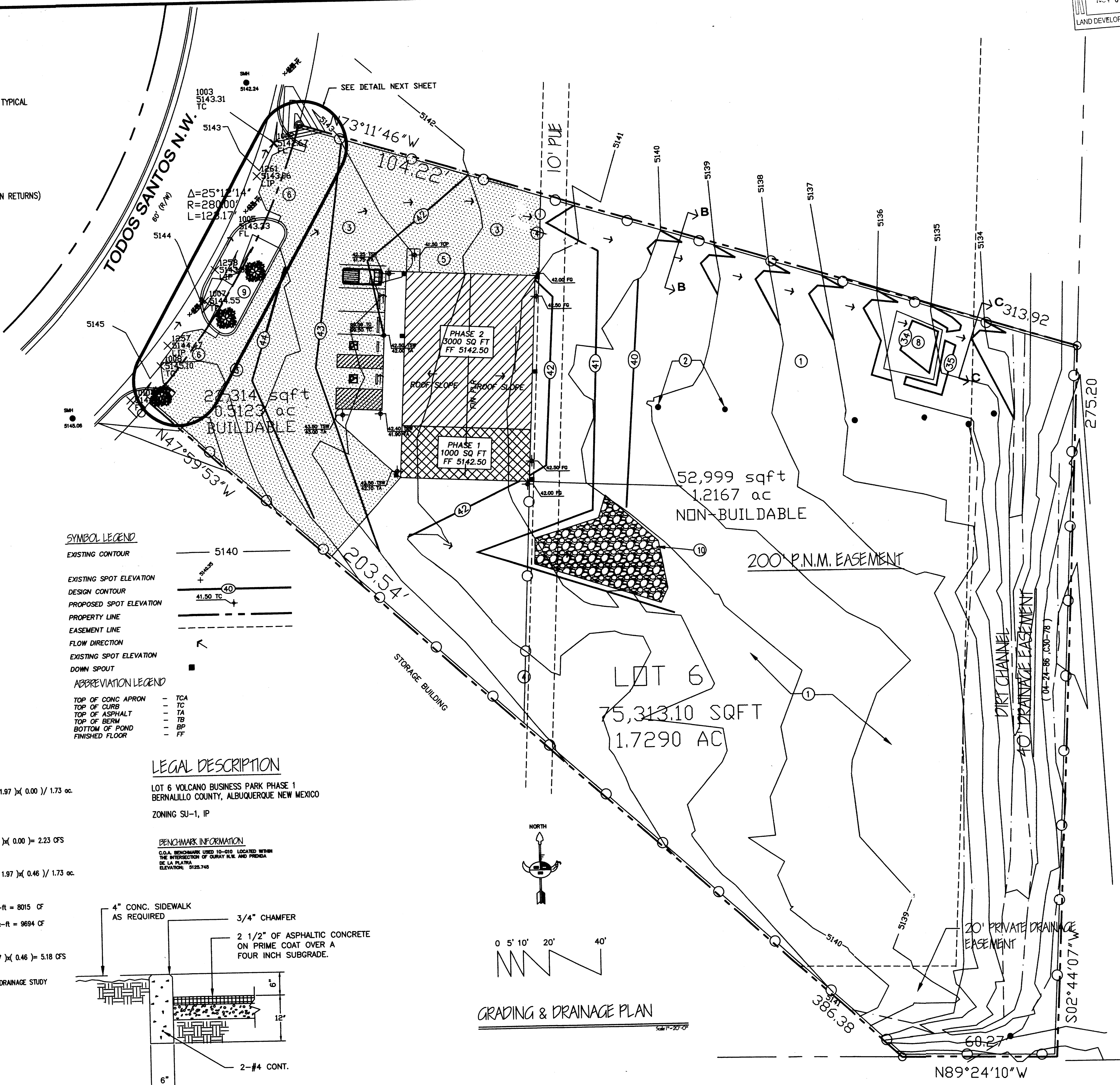
LOT 6 VOLCANO BUSINESS PARK PHASE 1
BERNALILLO COUNTY, ALBUQUERQUE NEW MEXICO
ZONING SU-1, IP

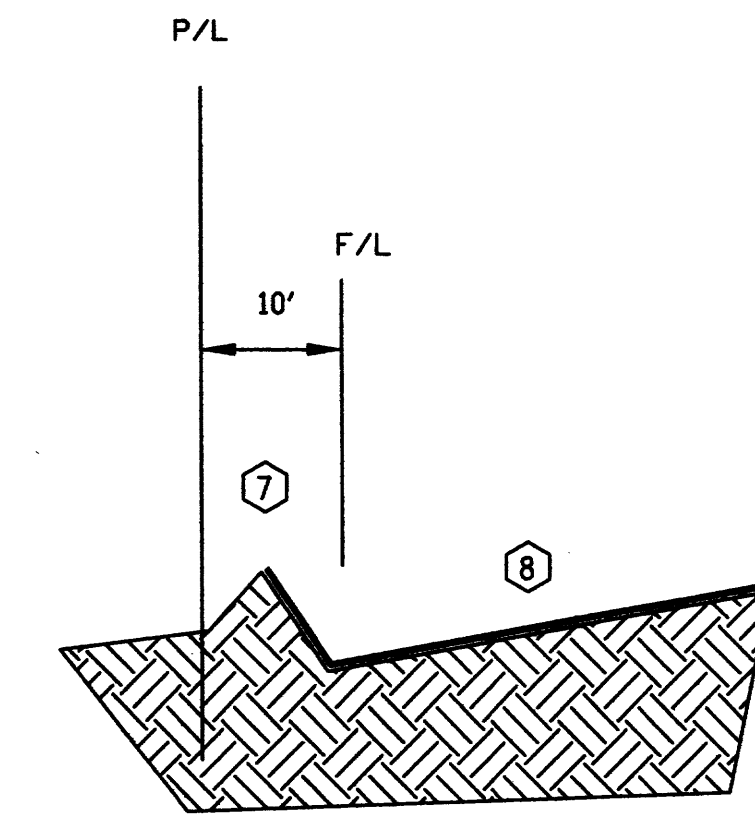
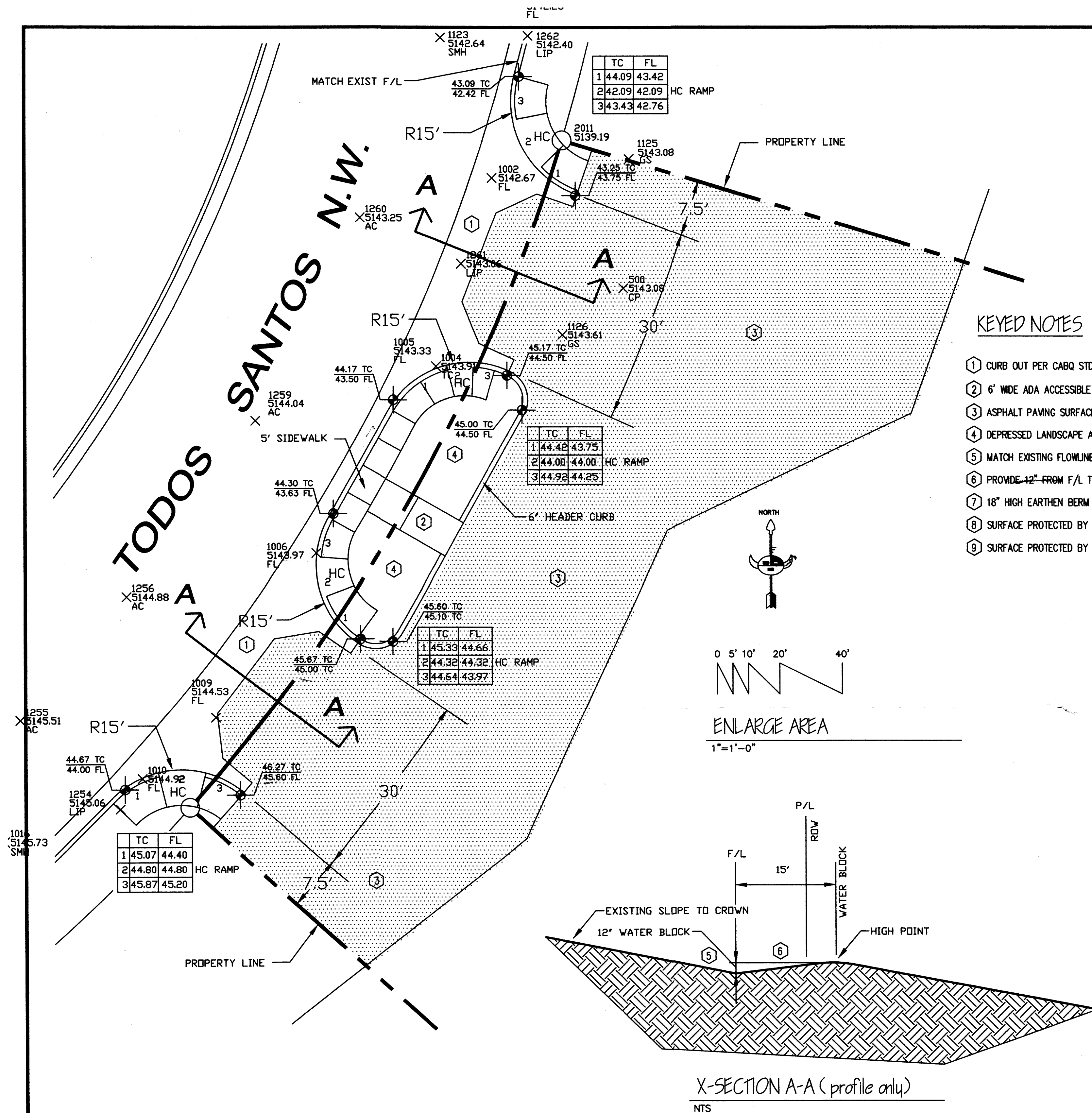
BENCHMARK INFORMATION
C.O.A. BENCHMARK USED 10-010 LOCATED WITHIN
THE INTERSECTION OF GURAY N.W. AND PROVIDA
DE LA PLATA.
ELEVATION: 5125.745



TYPICAL CONC. CURB DETAIL
3/4"=1'-0"

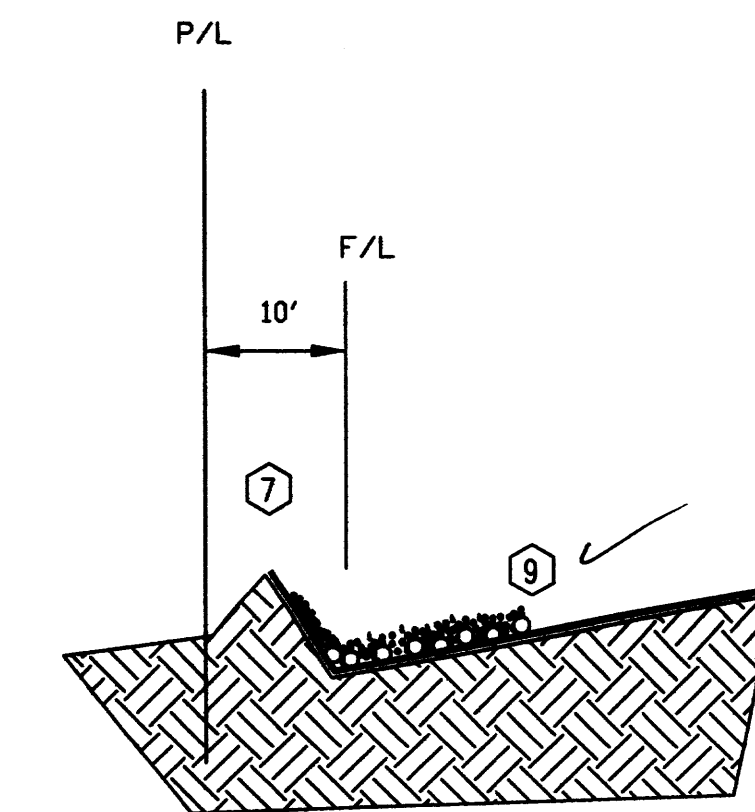
GRADING & DRAINAGE PLAN





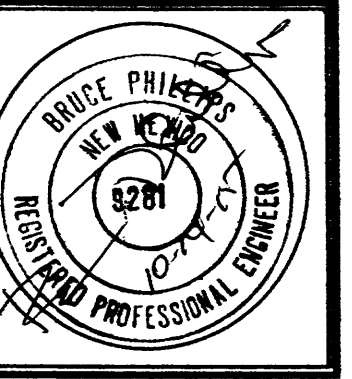
X-SECTION B-B

1"=1'-0"



X-SECTION C-C

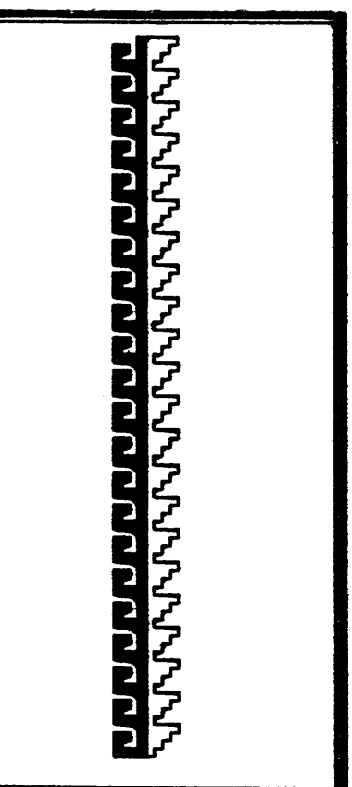
1"=1'-0"



JOB NO: XXXXXX
DATE: AUGUST 2015
REVISIONS
10-11-2015



Sheet Title
GRADING AND DRAINAGE PLAN
Drawn By: HTH & BJM Checked By: BP



Job Title
**GUTIERREZ TRUCKING
MAINTENANCE FACILITY
3006 TODOS SANTOS STREET N.W.
ALBUQUERQUE, NEW MEXICO**

SHEET NO. 2 OF 2
GD-2