

GRADING/DRAINAGE PLAN

THE FOLLOWING ITEMS CONCERNING (2945 BROADWAY BOULEVARD S.E.) TRACT"A", BLOCK B, SOTH BROADWAY ACRES, UNIT NO. 1, BERNALILLO COUNTY, ALBUQUERQUE, NEW MEXICO ARE CONTAINED HEREON:

AS SHOWN BY THE VICINITY MAP, THE SITE CONTAINS 1.34 ACRES MORE OR LESS, AND IS LOCATED JUST NOTH OF THE INTERSECTION OF BROADWAY BLVD. S.E. AND WESMECO DRICE S.E. ON THE WEST SIDE OF BROADWAY BLVD. S.E. THE SITE IN IT'S NATURAL STATE CONTAINS ABOUT 5,450.0 SQ. FT. OF EXISTING BUILDINGS ALONG WITH ABOUT 4,550 SQ. FT. OF ASPHALT PAVING AND ABOUT 11,000 SQ. FT. OF ASPHALT MILLINGS, ALONG WITH 1,660 SQ. FT. OF EXISTING LANDSCAPING. ALL THE DEVELOPED RUN-OFF IS ROUTED TO AN EXISTING PONDING AREA JUST NORTH OF THE PAINT BOOTH BUILDING. NO OFF-SITE FLOWS ENTER THE SITE FROM ANY DIRECTION. ACCORDING TO THE FLOOD INSURANCE RATE MAPS, PANEL 0342E, REVISED NOVEMBER 19, 2003, THIS SITE IS NOT LOCATED WITHIN A DESIGNATED FLOOD ZONE, NOR DOES IT CONTRIBUTE TO ANY DOWNSTREAM FLOODING.

PROPOSED CONDITIONS

AS SHOWN BY THE GRADING/DRAINAGE PLAN, THE PROJECT WILL CONSIST OF A PROPOSED 4,000 SQ. FT. METAL BUILDING ALONG WITH MORE LANDSCAPED AREAS.NO FUTHER ASPHALT PAVING IS PROPOSED. THE BUILDING WILL BE USED AS PRIVATE GARAGE FOR STORAGE OF VEHICLES THAT HAVE BEEN PAINTED AND NEED A CURING STALL. THE DEVELOPED RUN-OFF WILL BE ROUTED TO THE EXISTING PONDING AREA.
THE CALCULATIONS INDICATE A DECEASE IN RUN-OFF BECAUSE OF THE ADDITIONAL LANDSCAPING REQUIRED BY THE ZONING DEPARTMENT. 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 D.P.M. VOLUME II, DESIGN CRITERIA DATED 1997 HAS BEEN USED TO QUANTIFY THE PEAK RATE OF DISCHARGE AND VOLUME OF RUN-OFF GENERATED.

PROJECT AREA = 1.34 ac.
PRIVATE GARAGE FOR A & E AUTO SALES

PRECIPITATION: 360 = 2.35 in. 1440 = 2.75 in.

10day = 3.95 in.

PEAK DISCHARGE: EXCESS PRECIPITATION: 1.56 cfs/ac. TREATMENT A 0.53 in. 2.28 cfs/ac. TREATMENT B 0.78 in. 3.14 cfs/ac. TREATMENT C 1.13 in. 4.70 cfs/ac. TREATMENT D 2.12 in. PROPOSED CONDITIONS: EXISTING CONDITIONS:

AREA TREATMENT A 0 ac. TREATMENT B
TREATMENT C
TREATMENT D
0.0377 ac.
0.807 ac.
0.49506 ac. 0.1836 ac. 0.5695 ac.

EXISTING EXCESS PRECIPITATION:

Weighted E = (0.53)x(0.00)+(0.78)x(0.04)+(1.13)x(0.81)+(2.12)x(0.50)/1.34 ac. V100-360 = (1.49)x(1.34)/12 = 0.165904 ac-ft = 7227 CF

0.5748 ac.

EXISTING PEAK DISCHARGE: Q100 = $(1.56) \times (0.00) + (2.28) \times (0.04) + (3.14) \times (0.81) + (4.70) \times (0.50) = 4.95 \text{ CFS}$ PROPOSED EXCESS PRECIPITATION:

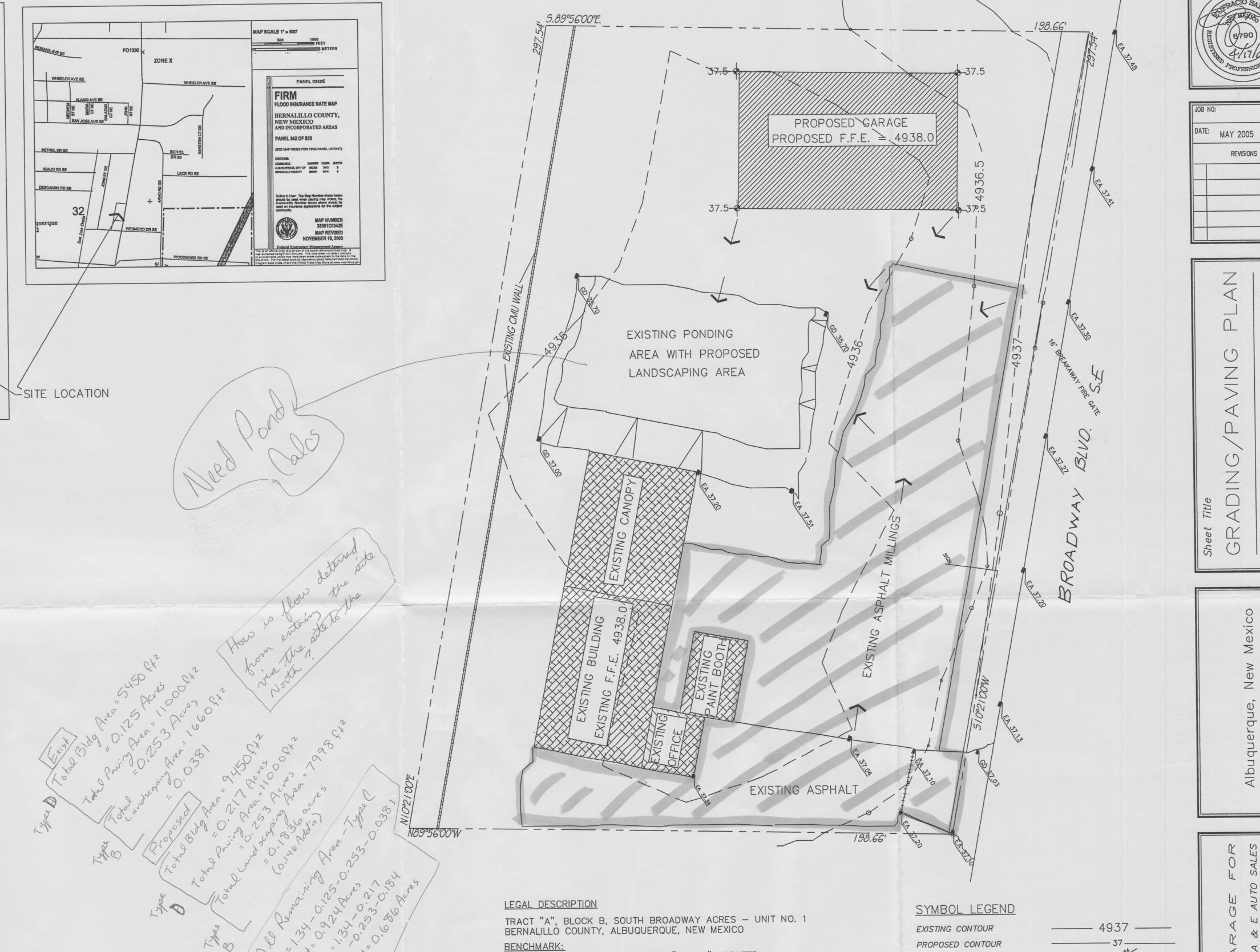
Weighted E = (0.53)x(0.00)+(0.78)x(0.18)+(1.13)x(0.57)+(2.12)x(0.57)/1.34 ac. = 1.50 in. V100-360 = (1.50)x(1.34)/12.0 = 0.167110 ac-ft = 7279 CF

V100-1440 = (0.17)+(0.57)x(2.75-2.35)/12 = 0.186270 ac-ft = 8114 CF

V100-10day =(0.17)+(0.57)x(3.95 - 2.35)/ 12 = 0.243750 ac-ft = 10618 CF

PROPOSED PEAK DISCHARGE:

Q100 = $(1.56) \times (0.00) + (2.28) \times (0.18) + (3.14) \times (0.57) + (4.70) \times (0.57) = 4.88 CFS$ DECREASE 4.88 CFS - 4.95 CFS = 0.07 CFS BECAUSE OF MORE LANDSCAPING



AN ACS ALUMINUM CAP STAMPED "5-M14" LOCATED AT THE NORTHEAST CORNER OF THE INTERSECTION OF BROADWAY AND WOODWARD STREET S.E. M.S.L. ELEVATION: 4937.592

TOP OF WATER METER LID AT THE INTERSECTION OF BROADWAY BLVD. S.E. AND WESMECO DRIVE S.E. PAINTED WHITE ELEVATION: 4937.12

EROSION CONTROL MEASURES

1. An excavation/construction permit will be required before beginning

2. All work detailed in this plan to be performed, except as otherwise

Two working days prior to any excavation, contractor must contact line locating Services for locating existing utilities, (260-1990).

4. Prior to construction, the contractor shall excavate and verify the

conflict exist, the contractor shall notify the engineer so that

the conflict can be resolved with a minimum amount of delay.

horizonal and vertical location of all construction. Should a

6. All work on this project shall be performed in accordance with applicable Federal, State and local laws, rules and regulations

7. Maintenance of this facilities shall be the responsibility of the owner

5. Backfill compaction shall be according to Commercial use.

concerning construction safty and health.

of the property served.

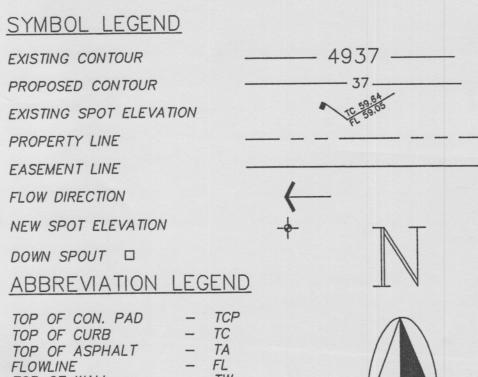
City of Albuquerque Standard Specification for Public Works

must be submitted at the time of application for permit.

any work within the City right-of-way. Approved copy of this plan

stated or provided hereon, shall be constructed in accordance with

- THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR MANAGEMENT OF STORM RUN-OFF DURING CONSTRUCTION, HE SHALL ASSURE THAT THE FOLLOWING MEASURES ARE TAKEN:
 - A. ADJACENT PROPERTY SHALL BE PROTECTED AT ALL TIMES BY TEMPORARY BERMS, DIKES, SWALES, AND OTHER TEMPORARY GRADING AS REQUIRED TO PREVENT STORM RUN-OFF FROM LEAVING THE SITE AND ENTERING ADJACENT PROPERTY.
 - B. ADJACENT PUBLIC RIGHT-OF-WAY SHALL BE PROTECTED AT ALL TIMES FROM STORM WATER RUN-OFF FROM THE SITE. NO SEDIMENT BEARING WATER SHALL BE PERMITTED TO ENTER THE PUBLIC STREETS.
- 2. THE CONTRACTOR SHALL IMMEDIATELY AND THOROUGHLY REMOVE ANY OR ALL SEDIMENT WITHIN THE PUBLIC STREETS THAT HAVE BEEN ERODED FROM THE SITE AND DEPOSITED THERE.

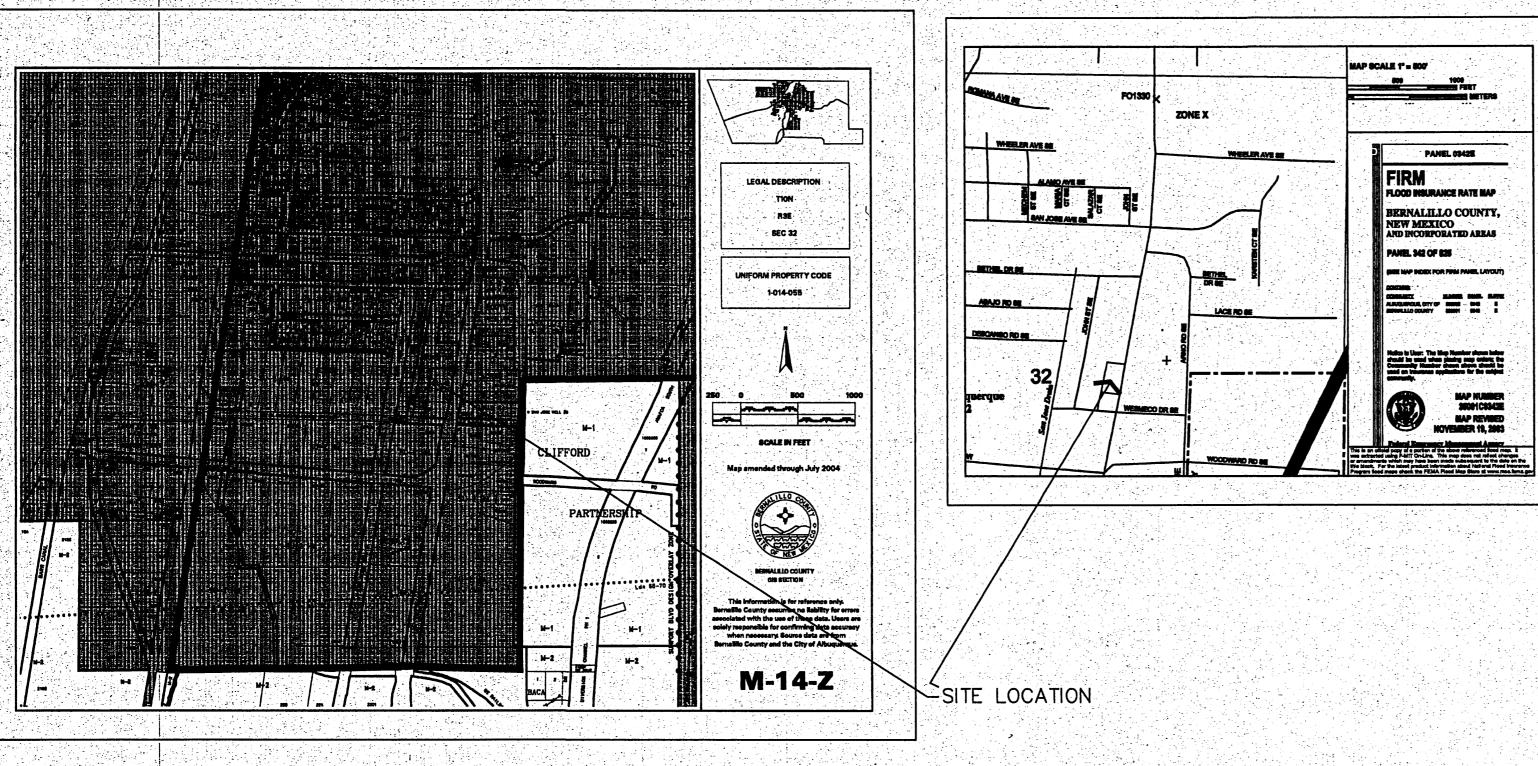


TOP OF WALL MAY 1 1 2005 GRADING/DRAINAGE PLAN 1" =20'

REVISIONS

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SHEET NO. 5 of 5



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PRIVATE GARAGE FOR A & E AUTO SALES TAOS, NEW MEXICO ZONE 2

> 1440 = 2.75 in.10 day = 3.95 in.

	EXCESS PRECIPITATION:	PEAK DISCHARGE:
TREATMENT A	0.53 in.	1.56 cfs/ac.
TREATMENT B	0.78 in.	2.28 cfs/ac.
TREATMENT C	1.13 in.	3.14 cfs/ac.
TREATMENT D	2.12 in.	4.70 cfs/ac.
	EXISTING CONDITIONS:	PROPOSED CONDITION
	AREA	AREA
TREATMENT A	0 ac.	Control of the contro
TREATMENT B	0.0377 ac.	0.1836 ac.
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- An excavation/construction permit will be required before beginning
- 2. All work detailed in this plan to be performed, except as otherwise stated or provided hereon, shall be constructed in accordance with City of Albuquerque Standard Specification for Public Works
- 3. Two working days prior to any excavation, contractor must contact line locating Services for locating existing utilities, (758—1990).
- 4. Prior to construction, the contractor shall excavate and verify the horizonal and vertical location of all construction. Should a conflict exist, the contractor shall notify the engineer so that the conflict can be resolved with a minimum amount of delay.
- 5. Backfill compaction shall be according to Commercial use.
- 6. All work on this project shall be performed in accordance with applicable Federal, State and local laws, rules and regulations concerning construction safty and health.
- 7. Maintenance of this facilities shall be the responsibility of the owner of the property served.

- any work within the City right—of—way. Approved copy of this plan must be submitted at the time of application for permit.
- **EROSION CONTROL MEASURES**

EXISTING POND

4,820

3,650

THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR MANAGEMENT OF STORM RUN-OFF DURING CONSTRUCTION, HE SHALL ASSURE THAT THE FOLLOWING MEASURES ARE TAKEN:

6,385

4,235.0

10,600.0

- A. ADJACENT PROPERTY SHALL BE PROTECTED AT ALL TIMES BY TEMPORARY BERMS, DIKES, SWALES, AND OTHER TEMPORARY GRADING AS REQUIRED TO PREVENT STORM RUN-OFF FROM LEAVING THE SITE AND ENTERING ADJACENT PROPERTY.
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SYMBOL LEGEND EXISTING CONTOUR PROPOSED CONTOUR EXISTING SPOT ELEVATION PROPERTY LINE EASEMENT LINE FLOW DIRECTION NEW SPOT ELEVATION DOWN SPOUT ABBREVIATION LEGEND TOP OF CON. PAD - TCP TOP OF CURB TOP OF ASPHALT - TA FLOWLINE – FL TOP OF WALL

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ENSTING ONL WALL	EXISTING PONDING 4935 AREA WITH PROPOSE LANDSCAPING AREA	- 100 YEAR WATER SURFACE ELEVA	A B O U F A B B C C C C C C C C C C C C C C C C C	Sheet Title GRADING/PAVING PLAN
EXISTING BUILDING	EXISTING PAINT BOOTH	XISTING ASPHALT 198.66	MODIZOIS STATE OF THE STATE OF	Albuquerque, New Mexico
POND VOLUME CALC CONTOUR AREA ET SOFT	VOLUME	SYMBOL) LECEND	E FOF

SHEET NO. 5 OF 5

GRADING/DRAINAGE PLAN 1"