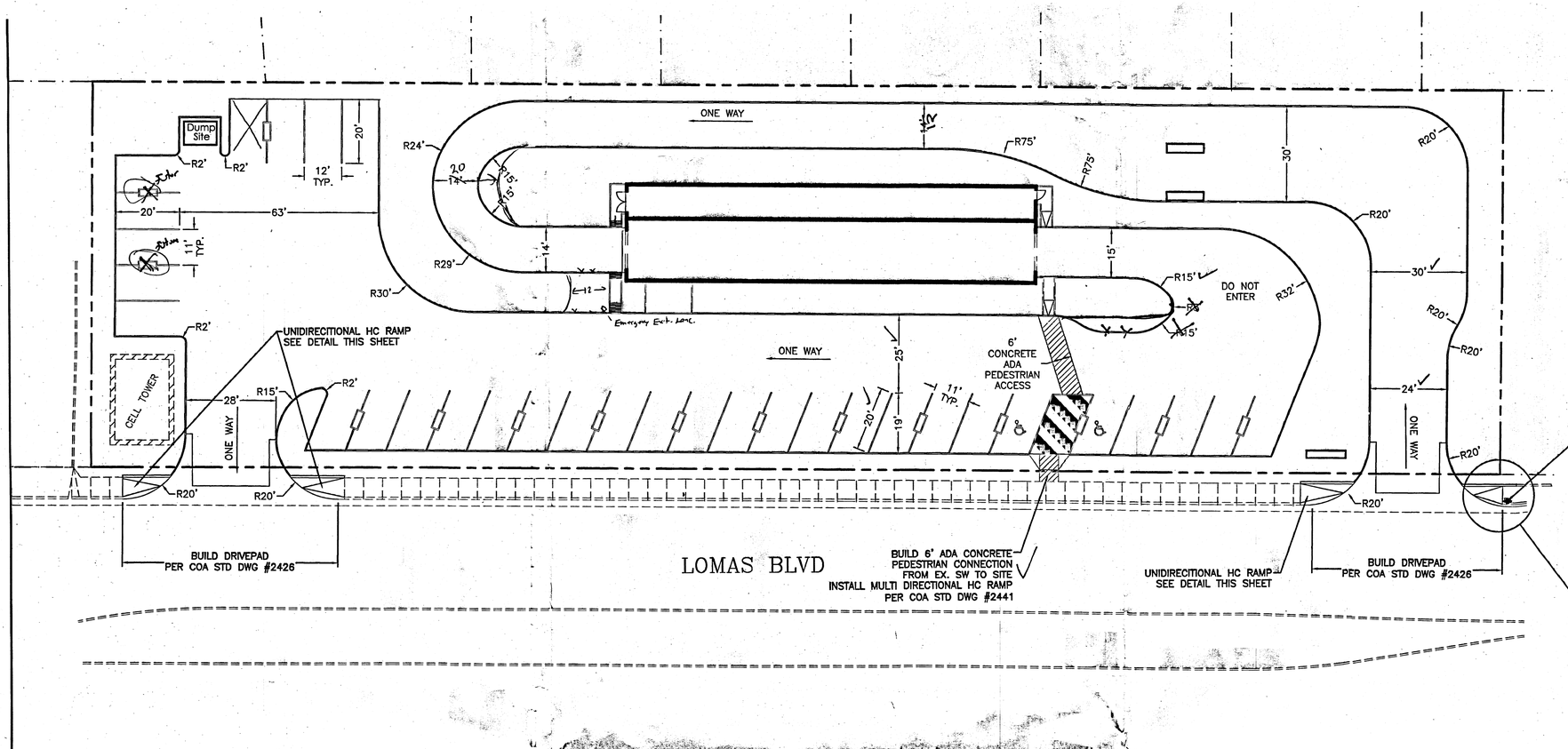
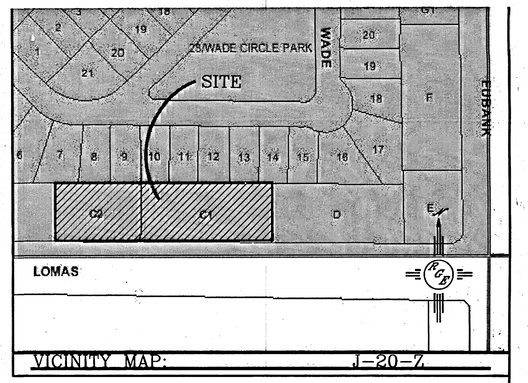




LEGAL DESCRIPTION:

TRACTS C1 AND C2, LANDS OF GREVEY

LEGEND

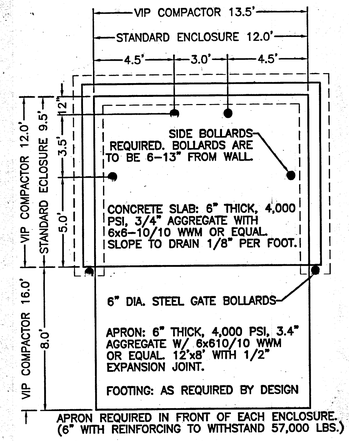
- EXISTING CURB & GUTTER
- PROPOSED CURB & GUTTER
- BOUNDARY LINE
- EXISTING BOUNDARY LINE
- EXISTING SIDEWALK
- CENTERLINE
- RIGHT-OF-WAY

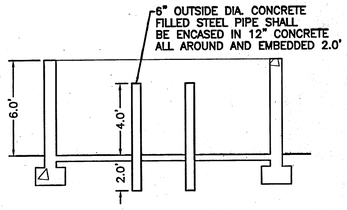
PARKING CALCULATIONS:

WAITING AREA/EQUIPMENT ROOM 1SP/ 200 SQFT
1453 SQ.FT. / 200 = 8 SPACES

EMPLOYEE SPACES 1SP/ PER EMPLOYEE
9 EMPLOYEES = 9 SPACES

TOTAL SPACES REQUIRED 17 SPACES
TOTAL SPACES PROVIDED INCLUDING DRIVING AREAS 32 SPACES
HC SPACES REQUIRED 26-35 = 2 SPACES
HC SPACES PROVIDED = 2 SPACES





NOTE: THESE ARE THE MINIMUM REQUIREMENTS FOR TRASH ENCLOSURES. DESIGNS MAY VARY TO FIT THE SELECTED ENCLOSURE.

DUMPSTER ENCLOSURE DETAIL

NTS

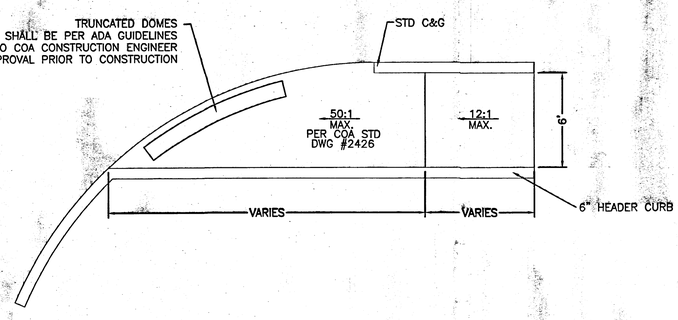
I David Soule, NMPE 14522, of the firm Rio Grande Engineering, hereby certify that this project has been graded and will constructed in substantial compliance with and in accordance with the design intend of the approved TCL plan dated 5/6/10. The record information edited on the original design document has performed by me or under my direct supervision and is true and correct to the best of my knowledge and belief. The as-built survey was provided by David Vigil, 8911. The certification is submitted in support of a request for Permanent Certificate of Occupancy. The record information presented heron is not necessarily complete and intended only to verify substantial compliance of the Traffic Circulation aspects of this project. Those relying on this record document are advised to obtain independent verification of its accuracy before using it for any other purpose.

DAVID SOULE NEW MEXICO 14522 REGISTERED PROFESSIONAL ENGINEER 5/7/10

TRAFFIC CIRCULATION LAYOUT APPROVED
Signed 05/07/10 Date

Public Infrastructure shown on these plans for information only and not part of approval. Separate DRC/Permit approval and Work Order required.

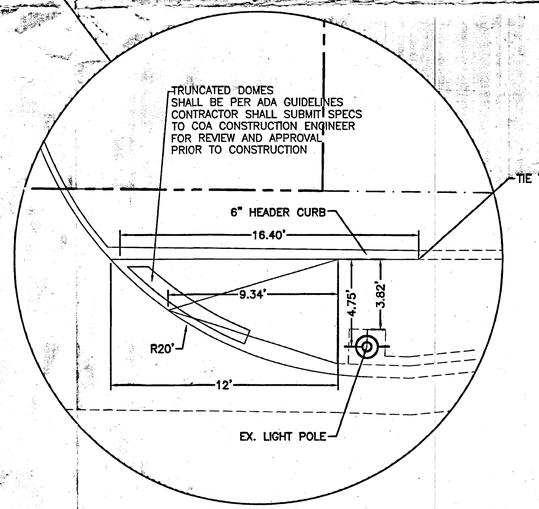
ALL WHEELCHAIR RAMPS LOCATED WITHIN THE PUBLIC RIGHT OF WAY MUST HAVE TRUNCATED DOMES.



UNI-DIRECTIONAL WHEELCHAIR RAMP DETAIL (TYP.)

NTS

SCALE: 1"=20'



UNI-DIRECTIONAL WHEELCHAIR RAMP W/EX. POLE DETAIL

NTS

RECEIVED
MAY 06 2010
HYDROLOGY SECTION

RECEIVED
MAY 06 2011

ENGINEER'S SEAL/LOGY SECTION

DAVID SOULE NEW MEXICO 14522 REGISTERED PROFESSIONAL ENGINEER

DAVID SOULE
P.E. #14522

LOMAS CAR WASH	DRAWN BY WCWJ
TRAFFIC CIRCULATION LAYOUT	DATE 4-29-10
	2944-LAYOUT-1-07-10
Rio Grande Engineering 1606 CENTRAL AVENUE SUITE 201 ALBUQUERQUE, NM 87106 (505) 872-0999	SHEET # — JOB # 2944

I David Soule, NMPE 14522, of the firm Rio Grande Engineering, hereby certify that this project has been graded and will drain in substantial compliance with and in accordance with the design intend of the approved plan dated 3/6/10. The record information edited on the original design document has performed by me or under my direct supervision and is true and correct to the best of my knowledge and belief. The as-built survey was provided by David Vigil, 8911 . The certification is submitted in support of a request for Permanent Certificate of Occupancy. The record information presented heron is not necessarily complete and intended only to verify substantial compliance of the grading and drainage aspects of this project. Those relying on this record document are advised to obtain independent verification of its accuracy before using it for any other purpose.

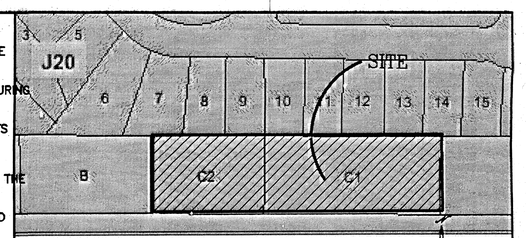
DAVID SOULE NEW MEXICO 14522 REGISTERED PROFESSIONAL ENGINEER 3/2/11

CAUTION:

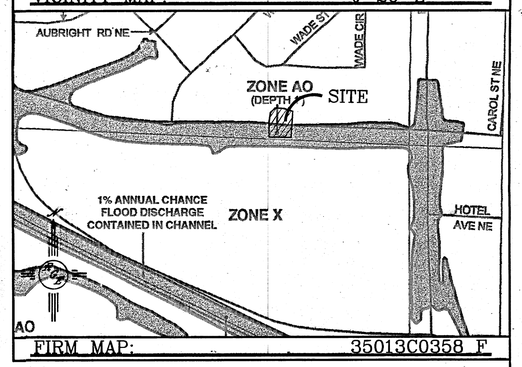
EXISTING UTILITIES ARE NOT SHOWN. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES & OTHER IMPROVEMENTS.

EROSION CONTROL NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
3. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
4. REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
5. ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL ACCEPTANCE OF ANY PROJECT.



VICINITY MAP: J-20-Z



FIRM MAP: 35013C0358 F

ACS MONUMENT
"8-J20
N=1491184.86
E=1550459.345
NAD 1983
EL=5364.697 (NAVD88)
NEW MEXICO STATE PLANE
(CENTRAL ZONE)
G/G=0.999656524
DELTA-ALPHA= -00°10'22.53"

BLOCK 27
MESA VILLAGE
VOL C3, FOLIO 92

LOT 12 | LOT 13 | LOT 14 | LOT 15

6" PVC OUTLET PIPE
INV OUT=5427.50
W/CONCRETE HEADWALL
@ PIPE OUTLET (FACE OF CURB)
SEE DETAIL THIS SHEET

6" PVC OUTLET PIPE
INV OUT=5428.00
W/2" ORIFACE PLATE
SEE DETAIL THIS SHEET

PROVIDED 3' CURB CUT

BUILD DETENTION POND
3:1 SLOPE MAX.
TOP=5428.00
BOTTOM=5426.00
PROPOSED VOLUME=1065 CU. FT.

6" HEADER CURB
PER COA STD
DWG #2415A

PROVIDED 1'
CURB CUT

BUILD WATER HARVESTING POND
3:1 SLOPE MAX.
TOP=5431.00
BOTTOM=5429.30
REQUIRED VOLUME= 584 CU. FT.
PROPOSED VOLUME=586 CU. FT.

Equip. Room
FF=5432.00
FP=5431.50

130 Ft. Tunnel Wash Building
FF=5431.50
FP=5431.00

6" PVC OUTLET PIPE
INV=5428.00

6" HEADER CURB
PER COA STD
DWG #2415A

BUILD DETENTION POND
3:1 SLOPE MAX.
TOP=5429.00
BOTTOM=5428.00
PROPOSED VOLUME=847 CU. FT.

6" HEADER CURB
PER COA STD
DWG #2415A

PROVIDED 1'
CURB CUT

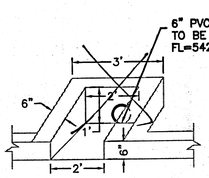
CELL TOWER

UNIDIRECTIONAL RAMP
SEE SITE PLAN
FOR BUILDING PERMIT
FOR DETAIL

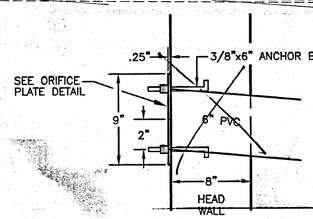
UNIDIRECTIONAL RAMP
SEE SITE PLAN
FOR BUILDING PERMIT
FOR DETAIL

LOMAS BOULEVARD

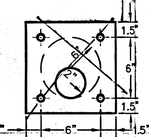
TRACT D, BLOCK 27
MESA VILLAGE
VOL 2005C, FOLIO 380



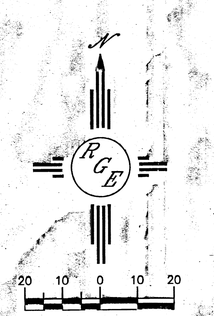
6" PIPE PENETRATION HEADWALL DETAIL
NTS



DETAIL A
N.T.S.
TO BE INSTALLED @ THE OUTFLOW OF THE POND



TYP. ORIFICE PLATE DETAIL
N.T.S.



SCALE: 1"=20'

LEGEND

- EXISTING CONTOUR (4071)
- EXISTING INDEX CONTOUR (4070)
- PROPOSED CONTOUR (4071)
- PROPOSED INDEX CONTOUR (4070)
- SLOPE TIE
- EXISTING SPOT ELEVATION (× 4048.25)
- PROPOSED SPOT ELEVATION (× 4048.25)
- BOUNDARY
- CENTERLINE
- RIGHT-OF-WAY
- CMU BLOCK SCREEN WALL
- CMU BLOCK RETAINING WALL
- BREAK LINE
- EXISTING SIDEWALK

RECEIVED MAR 0 2 2011 HYDROLOGY SECTION

RECEIVED MAR 0 8 2010 HYDROLOGY SECTION

LEGAL DESCRIPTION:
TRACTS C1 AND C2, LANDS OF GREVEY

NOTES:
1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.

ENGINEER'S SEAL DAVID SOULE NEW MEXICO 14522 REGISTERED PROFESSIONAL ENGINEER DAVID SOULE P.E. #14522	LOMAS CAR WASH GRADING AND DRAINAGE PLAN	DRAWN BY WCWJ DATE 1-07-10 2944-LAYOUT-1-07-10 SHEET # — JOB # 2944
	Rio Grande Engineering 1606 CENTRAL AVENUE SUITE 201 ALBUQUERQUE, NM 87106 (505) 872-0999	

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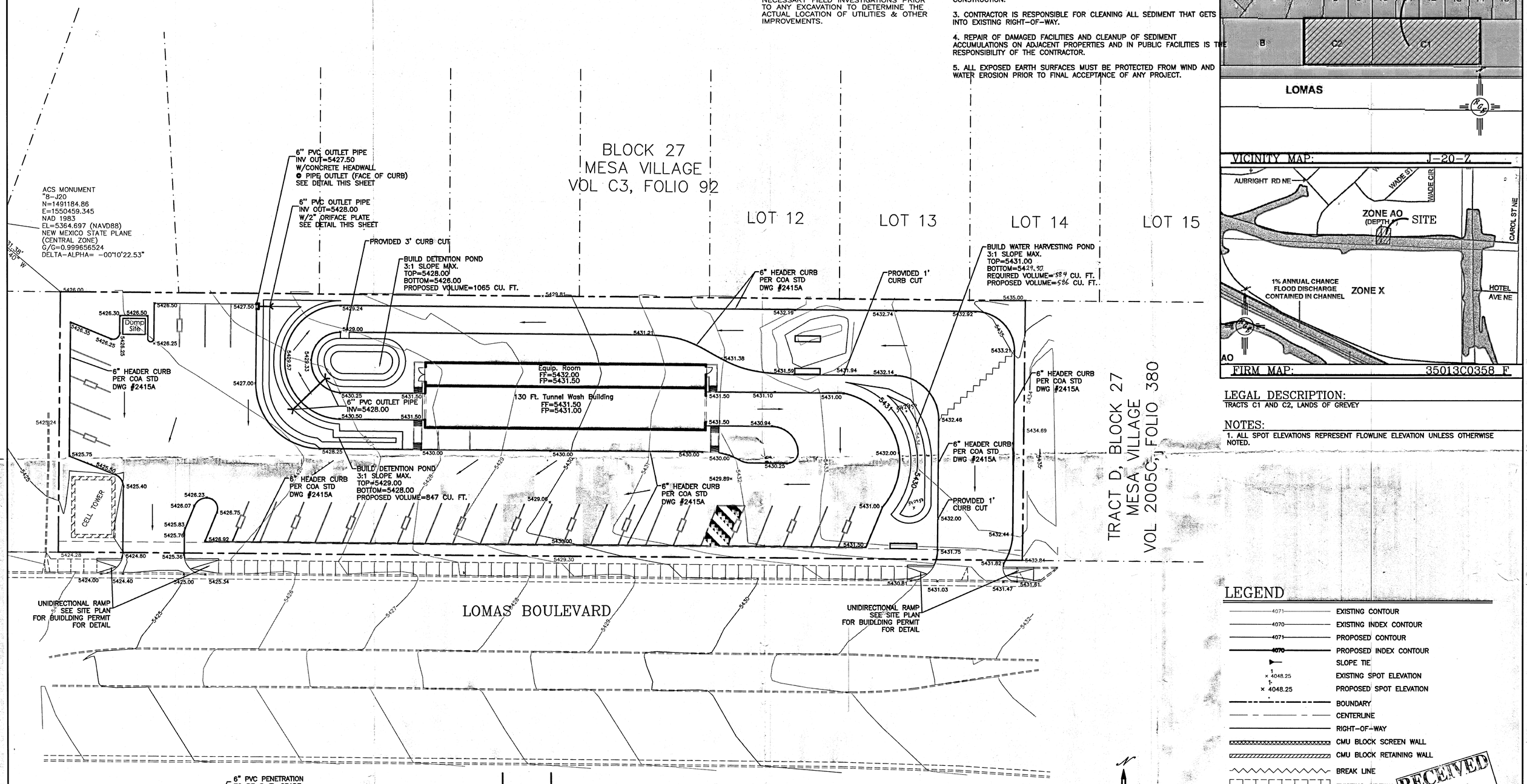

LEGAL DESCRIPTION:

TRACTS C1 AND C2, LANDS OF GREVEY

NOTES:

1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.

LEGEND

- EXISTING CONTOUR
- EXISTING INDEX CONTOUR
- PROPOSED CONTOUR
- PROPOSED INDEX CONTOUR
- SLOPE TIE
- × 4048.25 EXISTING SPOT ELEVATION
- × 4048.25 PROPOSED SPOT ELEVATION
- BOUNDARY
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- CMU BLOCK SCREEN WALL
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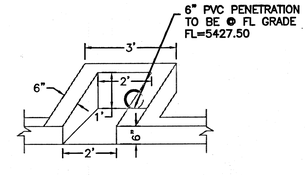
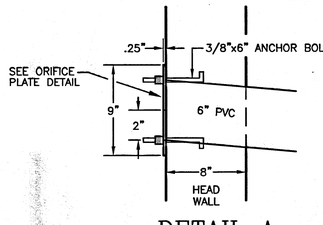


6" PIPE PENETRATION HEADWALL DETAIL

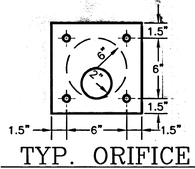
NTS



DETAIL A

N.T.S.

TO BE INSTALLED @ THE OUTFLOW OF THE POND



TYP. ORIFICE PLATE DETAIL

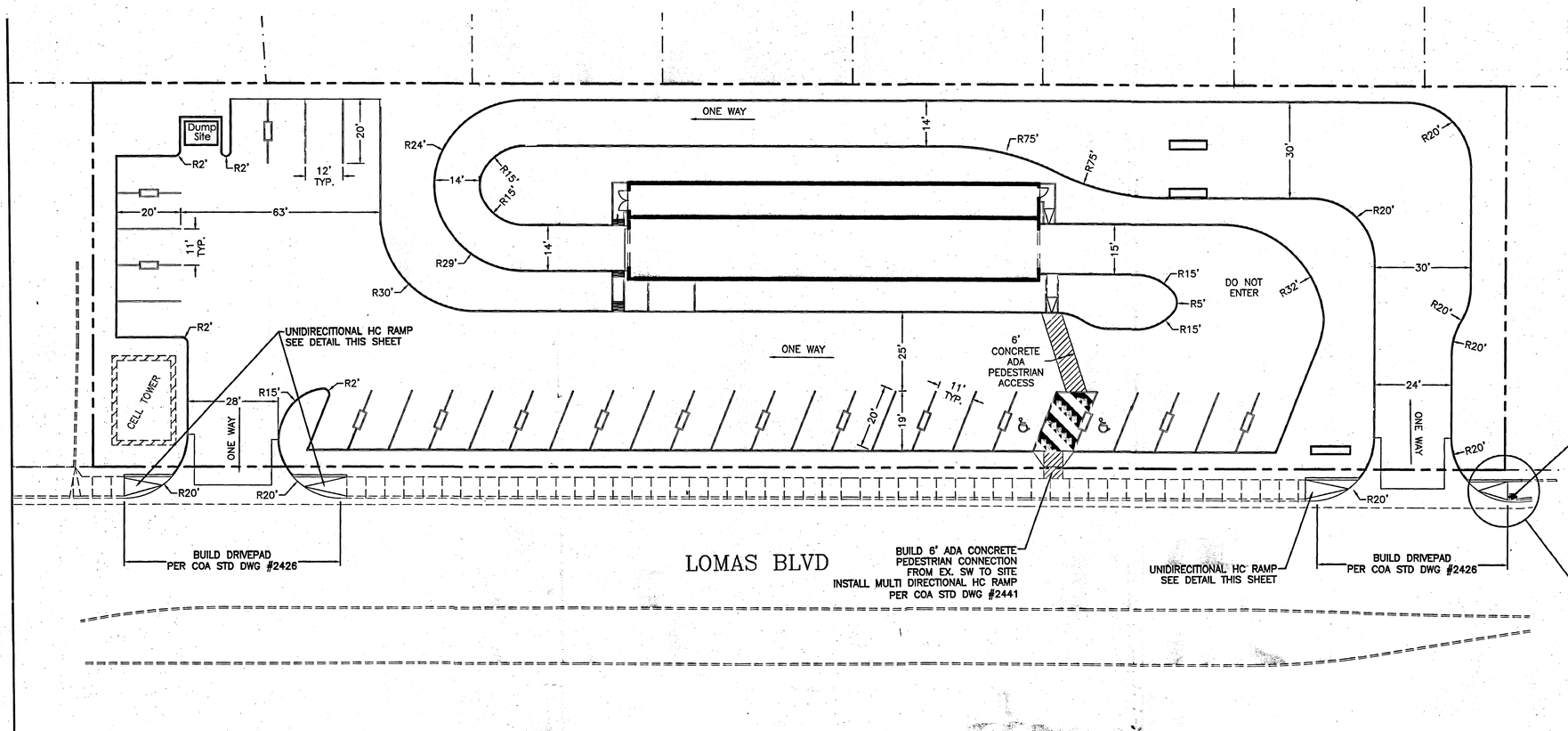
N.T.S.

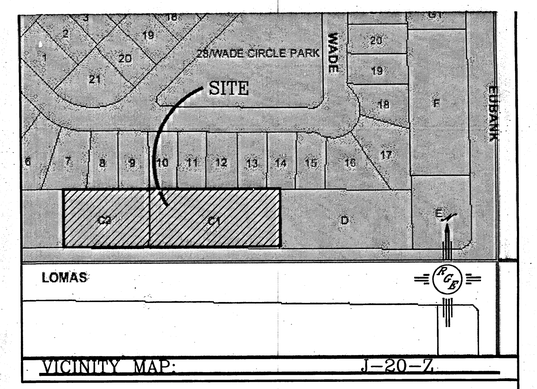
SCALE: 1"=20'

RECEIVED
MAR 08 2010
HYDROLOGY SECTION

ENGINEER'S SEAL	LOMAS CAR WASH
DAVID SOULE NEW MEXICO 14522 REGISTERED PROFESSIONAL ENGINEER	GRADING AND DRAINAGE PLAN
	DRAWN BY WCWJ
	DATE 1-07-10
	2944-LAYOUT-1-07-10
	SHEET # —
DAVID SOULE P.E. #14522	JOB # 2944

Rio Grande Engineering
1606 CENTRAL AVENUE
SUITE 201
ALBUQUERQUE, NM 87106
(505) 872-0999





LEGAL DESCRIPTION:

TRACTS C1 AND C2, LANDS OF GREVEY

LEGEND

- EXISTING CURB & GUTTER
- PROPOSED CURB & GUTTER
- BOUNDARY LINE
- EXISTING BOUNDARY LINE
- EXISTING SIDEWALK
- CENTERLINE
- RIGHT-OF-WAY

PARKING CALCULATIONS:

WAITING AREA/EQUIPMENT ROOM 1SP/ 200 SQFT
1453 SQ.FT. / 200 = 8 SPACES

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TOTAL SPACES REQUIRED 17 SPACES
TOTAL SPACES PROVIDED INCLUDING DRIVING AREAS 32 SPACES
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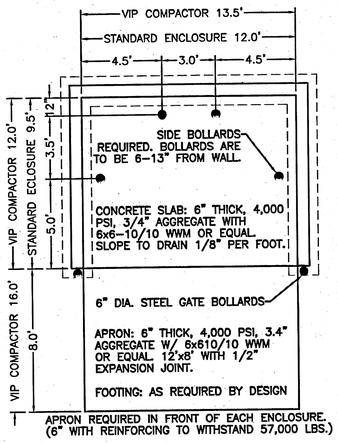
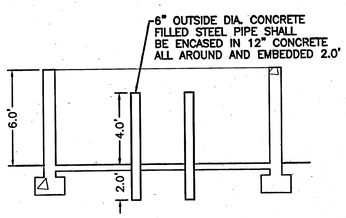
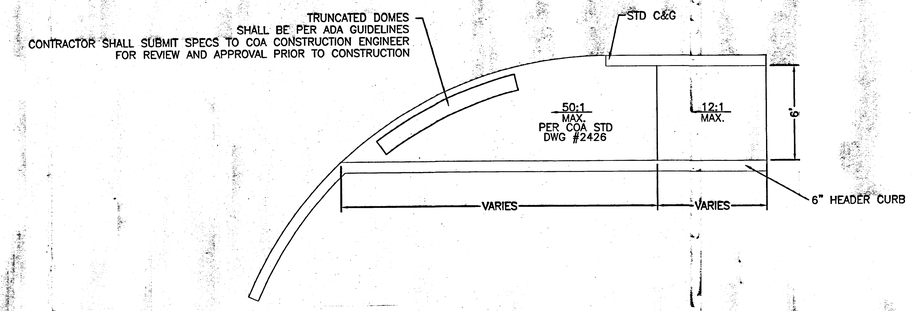




NOTE: THESE ARE THE MINIMUM REQUIREMENTS FOR TRASH ENCLOSURES. DESIGNS MAY VARY TO FIT THE SELECTED ENCLOSURE.

DUMPSTER ENCLOSURE DETAIL

NTS



UNI-DIRECTIONAL WHEELCHAIR RAMP DETAIL (TYP.)

NTS

TRAFFIC CIRCULATION LAYOUT APPROVED

Signed 05/07/10 Date

ALL WHEELCHAIR RAMPS LOCATED WITHIN THE PUBLIC RIGHT OF WAY MUST HAVE TRUNCATED DOMES.

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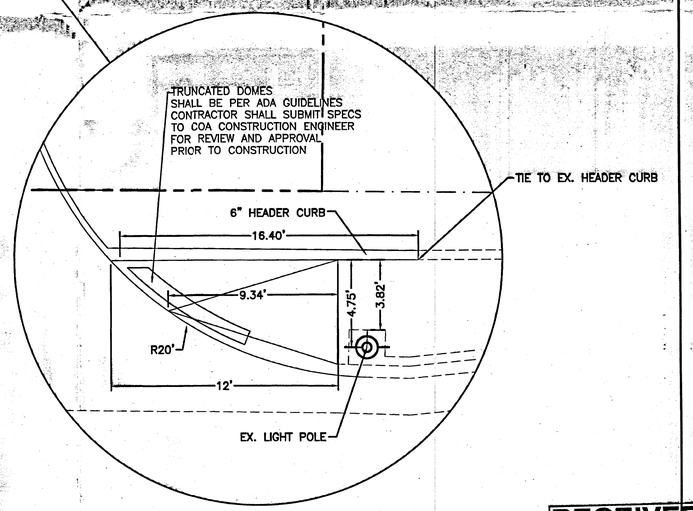
SCALE: 1"=20'



UNI-DIRECTIONAL WHEELCHAIR RAMP W/EX. POLE DETAIL

NTS

RECEIVED
MAY 06 2010
HYDROLOGY SECTION

ENGINEER'S SEAL

DAVID SOULE NEW MEXICO 14522 REGISTERED PROFESSIONAL ENGINEER

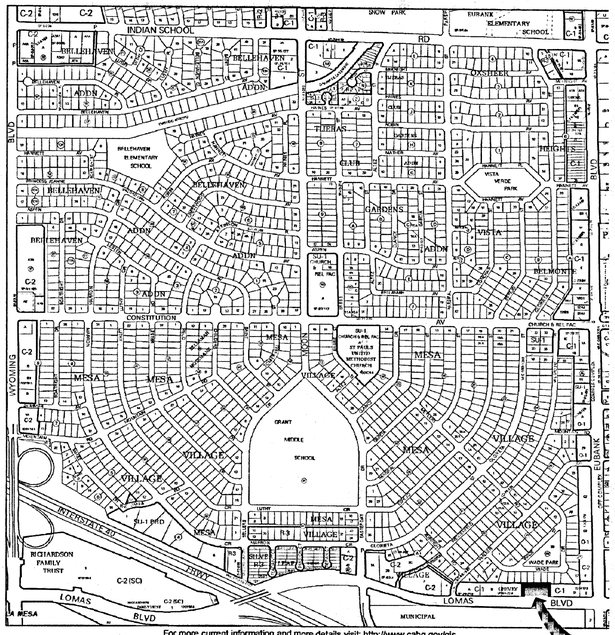
DAVID SOULE
P.E. #14522

LOMAS CAR WASH

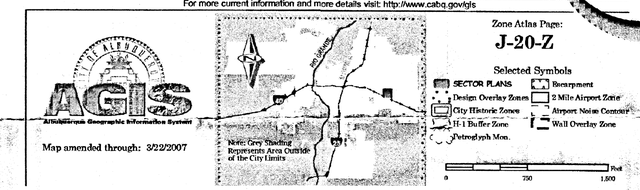
TRAFFIC CIRCULATION LAYOUT

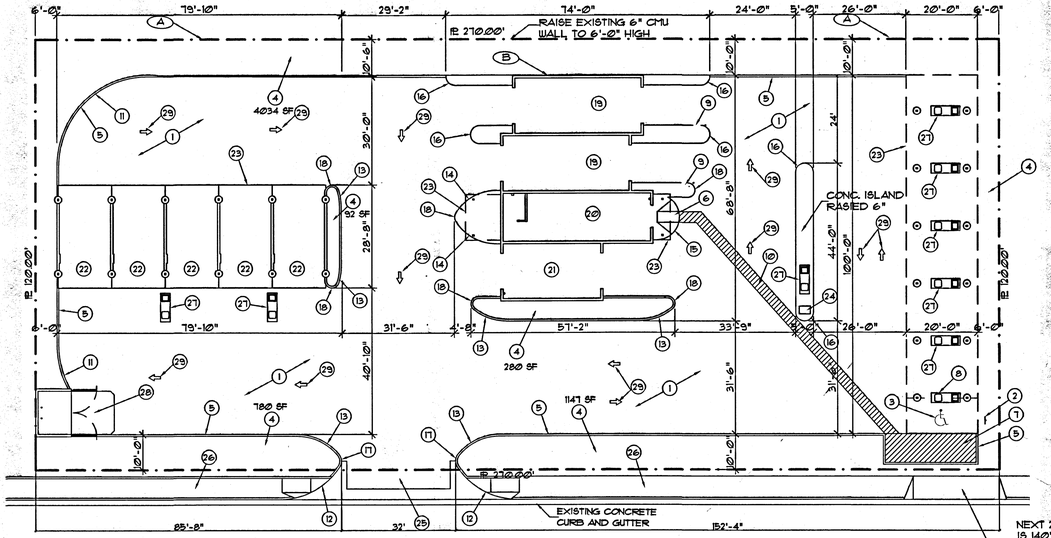
Rio Grande Engineering
1606 CENTRAL AVENUE
SUITE 201
ALBUQUERQUE, NM 87106
(505) 872-0999

DRAWN BY WCWJ
DATE 4-29-10
2944-LAYOUT-1-07-10
SHEET # —
JOB # 2944



For more current information and more details visit: http://www.cabq.gov/gis





SITE PLAN

SCALE: 1"=20'

EXISTING 24' WIDE DRIVEPAD 115' ± TO WEST

LOMAS BLVD. NE

REMOVE EXISTING DRIVEPAD AND REPLACE W/ CONC. CURB, GUTTER & 6' WIDE SIDEWALK

NEXT 24' DRIVEPAD IS 140' ± EAST

SITE DATA

ZONE: C-1
ZONE ATLAS PAGE: J-20-Z
PROPOSED USE: CARWASH

LEGAL DESCRIPTION:
LOT C-2 LANDS OF GREVEY, BERNALILLO COUNTY ALBUQUERQUE, NEW MEXICO

GROSS LOT AREA	appr. 32,400 SF
LESS CARWASH	appr. 2260 SF
LESS SELF-SERVE BAYS	appr. 2,150 SF
LESS VACUUM CANOPY	appr. 2,000 SF
NET LOT AREA	appr. 25,990 SF
REQUIRED LANDSCAPE 15% OF NET LOT AREA	3,899 SF
PROVIDED LANDSCAPE 24% OF NET LOT AREA	6,333 SF

PARKING CALCULATIONS
AUTOMATIC WASH BAYS - SELF-CONTAINED
SELF SERVE BAYS - SELF CONTAINED
VACUMN ISLANDS - 6 BAYS - SELF-CONTAINED
EMISSIONS BAY - SELF-CONTAINED
RESTROOM / EQUIP ROOM - NO PARKING REQUIRED

PROVIDED-ONE HANDICAP VACCUMN BAY

Notes Specific to Sheet

1. ASPHALT PAVING. 2" ASPHALT OVER 4" COMPACTED BASE COURSE PER CITY STANDARDS.
2. 12" X 18" BLUE AND WHITE HANDICAP SIGN. IDENTIFY VAN ACCESSIBLE SPACE WITH ADD-ON SIGN) INSTALL 24" BEHIND EDGE OF SIDEWALK CURB AND 6'-0" ABOVE SIDEWALK TO BOTTOM OF SIGN. SEE DETAIL SHEET C2.
3. BLUE PAINTED HANDICAP SYMBOL.
4. LANDSCAPE AREA. SQUARE FOOTAGE AS NOTED.
5. 6" STANDUP CONCRETE CURB. SEE DETAIL SHEET C2.
6. HANDICAP RAMP WITH 1:12 MAXIMUM SLOPE. SLOPE APRONS 1:10 MAXIMUM. SEE DETAIL SHEET C2.
7. 3" WIDE BLUE STRIPING FOR HANDICAP PARKING.
8. ADA ACCESSIBLE VACUUM ISLAND BY EQUIPMENT SUPPLIER.
9. AUTOWASH ENTRANCE CONTROLS
10. 36" WIDE HANDICAP ACCESS PATH. BLUE PAINTED STRIPES.
11. 25'-0" RADIUS.
12. 20'-0" RADIUS.
13. 15'-0" RADIUS.
14. 13'-3" RADIUS.
15. 6'-4" RADIUS.
16. 2'-6" RADIUS.
17. 3'-0" RADIUS.
18. 2'-0" RADIUS.
19. AUTOMATIC WASH BAY.
20. EQUIPMENT ROOM.
21. EMISSIONS CHECK BAY.
22. SELF-SERVICE BAY.
23. LINE OF CANOPY ABOVE.
24. TIRE AIR MACHINE ON 4" THICK CONCRETE SLAB.
25. NEW DRIVE CUT PER CITY DRAWING #426.
26. EXISTING 6' WIDE CONCRETE WALK W/ NEW CURB RAMP AT EACH SIDE OF NEW DRIVE CUT PER CITY OF ALB. DRAWING #426 W/ TRUNCATED DOMES.
27. STAINLESS STEEL EQUIPMENT BASE W/ VACUUM AND TRASH RECEPTACLE.
28. REFUSE ENCLOSURE, SEE DETAILS SHEET C2.
29. PAINTED TRAFFIC FLOW ARROWS ON PAVEMENT. 3" WIDE STORKE. WHITE PAINT.

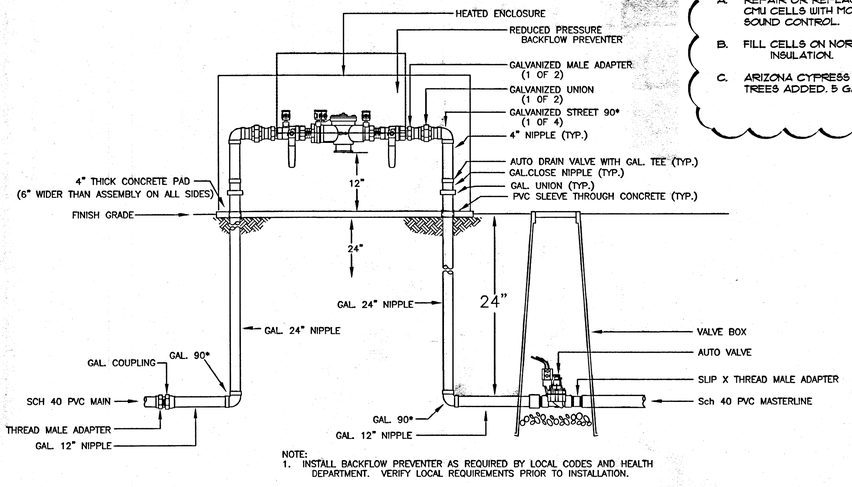
TRAFFIC CIRCULATION LAYOUT APPROVED
Signed 10/26/07 Date

ALL WHEELCHAIR RAMPS LOCATED WITHIN THE PUBLIC RIGHT OF WAY MUST HAVE TRUNCATED DOMES.

Public Infrastructure shown on these plans for information only and not part of approval. Separate DRC/Permit approval and Work Order required.

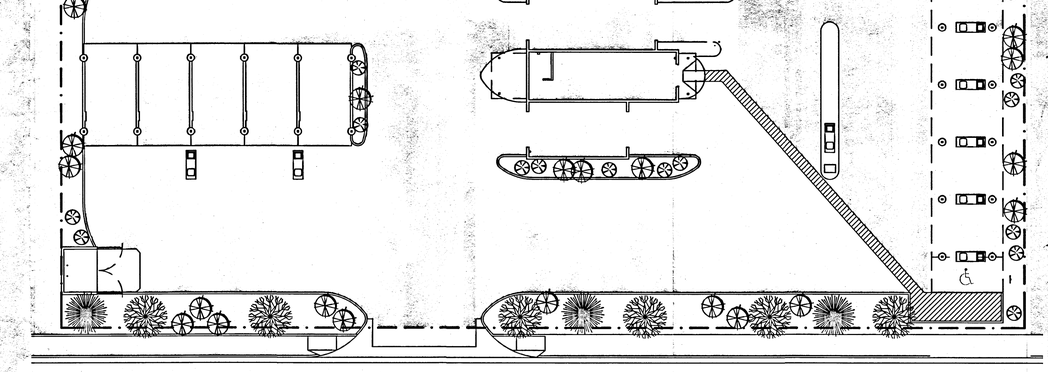
ENVIRONMENTAL HEALTH NOTES:

A. REPAIR OR REPLACE CMU WALL AND FILL ALL CMU CELLS WITH MORTAR SAND FOR SOUND CONTROL.
B. FILL CELLS ON NORTH WALL WITH VERMICULITE INSULATION.
C. ARIZONA CYPRESS (CUPRESSUS ARIZONICA) TREES ADDED. 5 GAL CANS MINIMUM 8' HIGH.



NOTE:
1. INSTALL BACKFLOW PREVENTER AS REQUIRED BY LOCAL CODES AND HEALTH DEPARTMENT. VERIFY LOCAL REQUIREMENTS PRIOR TO INSTALLATION.

Mastervalve w/RPBA



LOMAS BLVD. NE

LANDSCAPE PLAN

SCALE: 1"=20'

RECEIVED OCT 26 2007 HYDROLOGY SECTION

NOTE

MAINTENANCE OF LANDSCAPE PROVIDED BY OWNER

PLANTINGS TO BE WATERED BY AUTO. DRIP IRRIGATION SYSTEM

WATER MANAGEMENT IS THE SOLE RESPONSIBILITY OF THE PROPERTY OWNER

IT IS THE INTENT OF THIS PLAN TO PROVIDE MIN. 75% LIVE GROUNDCOVER OF LANDSCAPE AREAS AT MATURITY

LANDSCAPE AREAS TO BE MULCHED WITH SANTA ANA TAN GRAVEL AT 2"-3" DEPTH OVER FILTER FABRIC

PLANT LEGEND

SYMBOL	QTY.	BOTANICAL NAME	COMMON NAME	SIZE
	6	FRAXINUS	RAYWOOD ASH	2" CAL
	6	PINUS NIGRA	AUSTRIAN PINE	5'-6' HT.
	28	VITEX AGNUS-CASTUS	CHASTE TREE	15 GAL
	23	PEROVSKIA ATRIPLICIFOLIA	RUSSIAN SAGE	5 GAL

STATE OF NEW MEXICO JIM MEDLEY No.2042 10/26/07 REGISTERED ARCHITECT

JIM MEDLEY, Architect AIA
NCARB Certificate No. 35,895
3100 Christine N. E. Albuquerque, NM 87111
email: jmedley@jim-medley-architect.com
Phone (505) 292-3514 Fax (505) 294-5593

Plan No. 05201ED2001
Date: October '07
Drawn by: ED
Checked by: MG

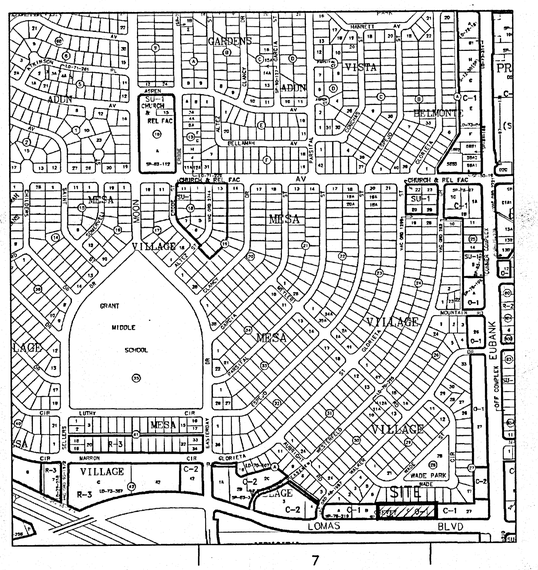
Project: The Ultimate Car Wash
Lomas Blvd.
Albuquerque, New Mexico

No.	Revision / Issue	Date:
1	REVISED PER CITY OF ALBUQ. REVIEW.	10/16/07

Sheet Description: SITE PLAN & LANDSCAPE PLAN

Sheet: C1

VICINITY MAP (J-20)



LEGAL DESCRIPTION / FLOOD NOTE

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BENCH MARK

ACS STA 19-J21
1-3/4" Aluminum disk epoxied to top of curb,
NE quadrant of Lomas Blvd. & Eubank Blvd, NE
ELEV. 5441.47

TBM: #5 rebar and cap "LS 4078" at Southeast corner of property; ELEV. 5109.82
ELEV. 5433.33

KEYED NOTES

1. REMOVE EXISTING ADVERTISING SIGN
2. REMOVE AND REPLACE EXISTING DRIVEPAD WITH 6" CONCRETE SIDEWALK AND SIDEWALK CULVERT PER COA STD. DWGS. 2430, 2415 AND 2236.
3. GRADE AND COMPACT 1' HIGH EARTHEN EROSION CONTROL BERM
4. RETAINING WALL CONSTRUCTED UNDER SEPARATE BUILDING PERMIT.
5. NEW DRIVEWAY TO BE CONSTRUCTED UNDER SEPARATE PERMIT.
6. CONSTRUCT NEW UNIDIRECTIONAL CURB RAMPS AT EACH SIDE OF NEW DRIVE CUT PER CITY OF ALB. DRAWING #2426.

SPECIFIC DRIVE AND INTERIOR CURB LAYOUT DETAILS AND DIMENSIONS APPEAR ON SITE PLAN, SHEET C2.

DRAINAGE CONCEPT:

THE DRAINAGE CONCEPT FOR THIS SITE IS TO FREE DISCHARGE THE EXCESS RUNOFF FROM IMPERVIOUS SURFACES VIA CONCRETE SIDEWALK CULVERTS TO LOMAS BLVD. HISTORICAL FLOWS WILL BE ALLOWED TO CONTINUE TO DISCHARGE TO THE WEST VIA GRADED LANDSCAPE BUFFER.

OFFSITE FLOW INFORMATION

THIS SITE ACCEPTS EXISTING NATURAL FLOWS ENTERING FROM TRACT "D" FROM THE EAST. EXISTING UPSTREAM CONTRIBUTORY AREA IS 0.33 ACRE, 100% C TREATMENT (COMPACTED SOIL). DURING THE 100-YEAR FLOW, 1.04 CFS OF RUNOFF, PEAK IS GENERATED BY THE UPSTREAM SITE. ENTRY IS VIA SHEET FLOW. THERE ARE NO DISCERNIBLE FLOWLINES FROM THE EAST.

DRAINAGE NOTES:

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- ALL ELEVATIONS GIVEN ARE TO TOP OF PROPOSED GRADE

NOTICE TO CONTRACTOR

PROPOSED CONTOURS AND SPOT ELEVATIONS SHOWN ARE TO FINISHED SURFACES AND ARE PROVIDED FOR THE PURPOSE OF SHOWING FLOW ROUTING.

CONTRACTOR IS RESPONSIBLE FOR THE ABATEMENT OF SEDIMENT ONTO ADJOINING PUBLIC RIGHTS-OF-WAY DURING CONSTRUCTION AND FOR THE REMOVAL OF ANY SEDIMENT DEPOSITED IN PUBLIC RIGHT-OF-WAY.

CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS PRIOR TO ANY GRADING OR CONSTRUCTION.

SITE IS NOT SUBJECT TO NPDES SWPPP REQUIREMENTS (< 1 ACRE).

ALL IMPROVEMENTS WITHIN CITY OF ALBUQUERQUE RIGHT OF WAY MUST BE CONSTRUCTED BY CITY OF ALBUQUERQUE WORK ORDER.

ONSITE HYDROLOGY

DRAINAGE DATA

THIS SITE LIES WITHIN PRECIPITATION ZONE 2

Condition	Return Table 4 (Years)	Treatment Type	Area (sq. ft.)	Precip. (in.)	Runoff Table A-9 (cfs/ac)	Volume (cu. Ft.)	Rate (cfs)
EXISTING	100	A	0	0.53	1.56	0.0	0.00
		B	32,398	0.78	2.28	2,105.9	1.70
		C	0	1.13	3.14	0.0	0.00
		D	0	2.12	4.70	0.0	0.00
EXISTING	10	A	0	0.13	0.38	0.0	0.00
		B	32,398	0.28	0.95	756.0	0.71
		C	0	0.52	1.71	0.0	0.00
		D	0	1.34	3.14	0.0	0.00
DEVELOPED	100	A	0	0.53	1.56	0.0	0.00
		B	6,333	0.78	2.28	411.6	0.33
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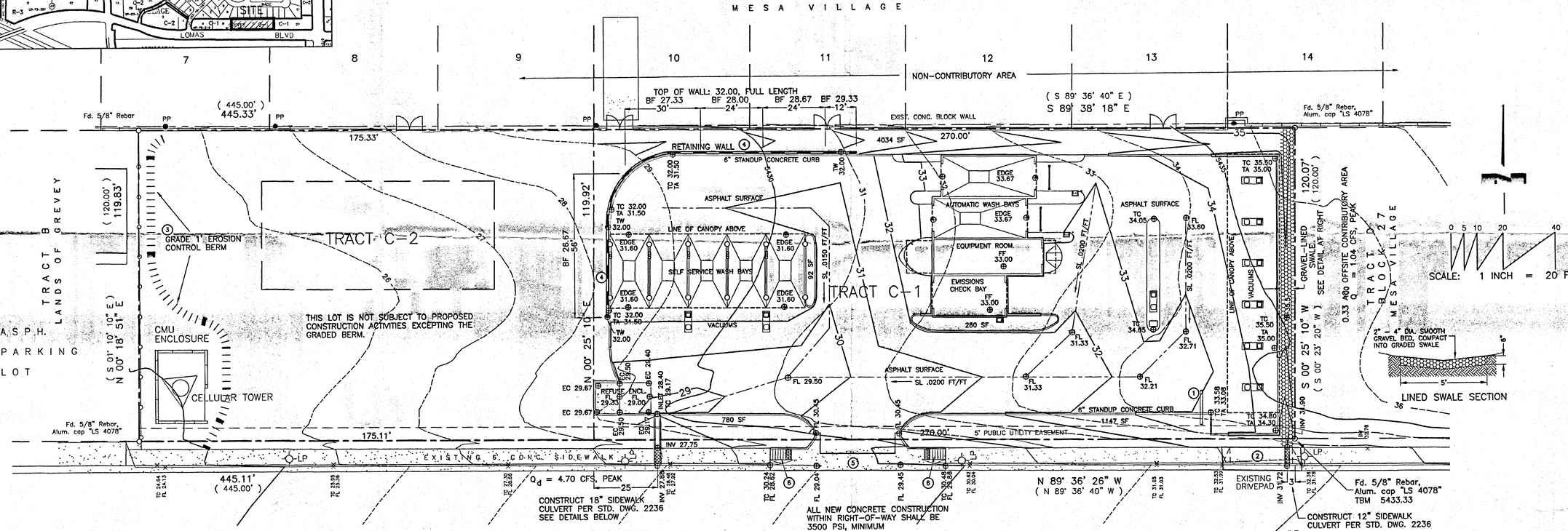

LEGEND:

- WM WATER METER
- ELEC ELECTRIC SERVICE RISER
- CO SANITARY SEWER CLEANOUTS
- TEL TELEPHONE RISER
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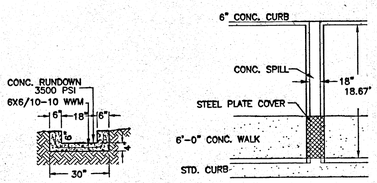
Rectangular Channel Analysis & Design
Open Channel - Uniform flow

Solve For Discharge
Given Constant Data;
Bottom Width..... 1.50
Mannings 'n'..... 0.013
Channel Slope..... 0.0200
Channel Depth..... 0.50
COMPUTED COMPUTED

Bottom Width ft	Mannings 'n'	Channel Slope ft/ft	Channel Depth ft	Channel Velocity Discharge cfs	fps
1.50	0.013	0.0200	0.50	5.43	7.24

Open Channel Flow Module, Version 3.12 (c)
Haested Methods, Inc. * 37 Brookside Rd * Waterbury, Ct 06708



SIDEWALK CULVERTS

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5. The contractor will be responsible for performing soil density tests as required by the City of Albuquerque.
6. Owner shall be responsible for maintenance of sidewalk culverts and shall ensure proper operation of culverts at all times.
7. Work on arterial streets shall be performed on a 24-hour basis.

APPROVALS FOR	NAME	DATE	TITLE OF PROJECT
DESIGN: CITY HYDROLOGY			FOR: ULTIMATE CAR WASH LOMAS BLVD., NE
CONSTRUCTION: CONSTRUCTION ENGINEER			
ACCEPTANCE: CONSTRUCTION INSPECTOR			PROJECT NO. ZONE ATLAS SHEET 1 OF 1 J-20

I, THOMAS D. JOHNSTON, NEW MEXICO REGISTERED PROFESSIONAL ENGINEER NO. 17158, DO HEREBY CERTIFY THAT I INSPECTED THIS SITE ON APRIL 25, 2007, AND THAT, AS OF THAT DATE, THERE HAD BEEN NO RECENT ALTERATION OF GRADE OR EVIDENCE OF GRADING OPERATIONS ON THIS SITE.

THOMAS D. JOHNSTON, NMPE NO. 17158

THOMAS D. JOHNSTON NEW MEXICO 17158 REGISTERED PROFESSIONAL ENGINEER

6-25-07

DRAINAGE AND GRADING PLAN
ULTIMATE CAR WASH

TIC ENGINEERING, INC.
330 LOUISIANA BLVD. NE
ALBUQUERQUE, NM 87108
(505)266-7256
Fax: (505) 255-2887

STATE OF NEW MEXICO JAMES N. MEDLEY No.2042 REGISTERED ARCHITECT

JIM MEDLEY, Architect AIA
NCARB Certificate No. 35,895
3100 Christine N. E. Albuquerque, NM 87111
email: jmedley@jm-medley-architect.com
Phone (505) 292-3514 Fax (505) 294-5593

Plan No. 0502/SED25001
Date:
Drawn by: SED
Checked by: MG

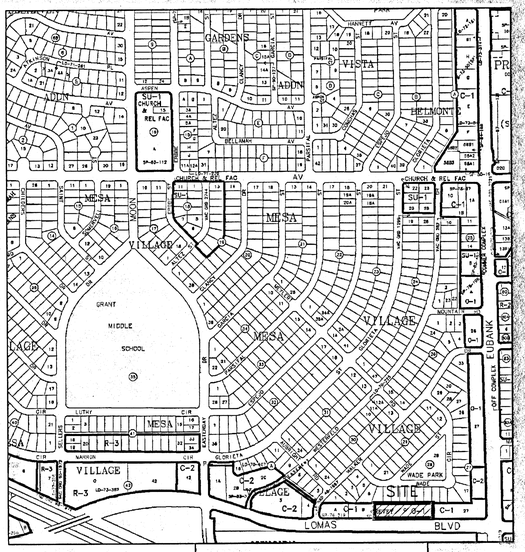
Project: The Ultimate Car Wash
Lomas Blvd. NE
Albuquerque, New Mexico

No.	Revision / Issue	Date:

Sheet Description: GRADING AND DRAINAGE PLAN

Sheet: C1

VICINITY MAP (J-20)



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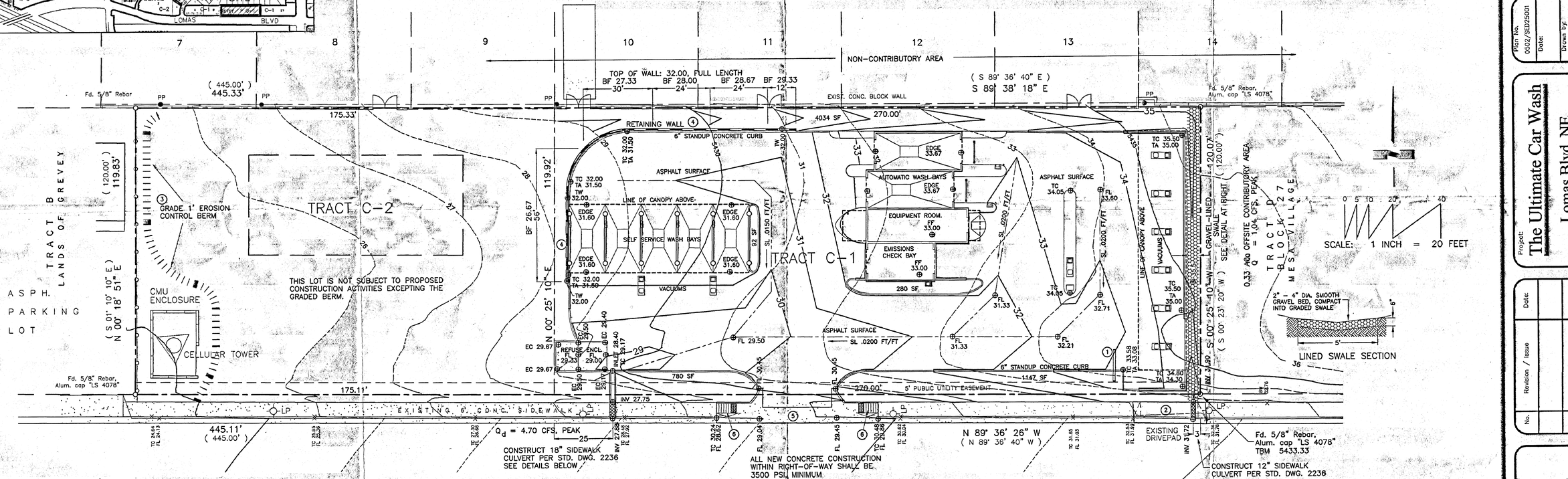

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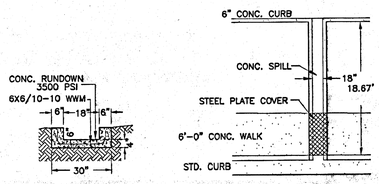
Haestad Methods, Inc. * 37 Brookside Rd * Waterbury, Ct 06708



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CONSTRUCTION: CONSTRUCTION ENGINEER			
ACCEPTANCE: CONSTRUCTION INSPECTOR			PROJECT NO. ZONE ATLAS
			SHEET 1 OF 1 J-20

I, THOMAS D. JOHNSTON, NEW MEXICO REGISTERED PROFESSIONAL ENGINEER NO. 17158, DO HEREBY CERTIFY THAT I INSPECTED THIS SITE ON APRIL 26, 2007, AND THAT, AS OF THAT DATE, THERE HAD BEEN NO RECENT ALTERATION OF GRADE OR EVIDENCE OF GRADING OPERATIONS ON THIS SITE.

THOMAS D. JOHNSTON, NMPE NO. 17158

RECEIVED JUN 27 2007 HYDROLOGY SECTION

THOMAS D. JOHNSTON NEW MEXICO 17158 REGISTERED PROFESSIONAL ENGINEER

DRAINAGE AND GRADING PLAN

ULTIMATE CAR WASH

TIC ENGINEERING, INC. (505)266-7256 Fax: (505) 255-2887
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Sheet: C1