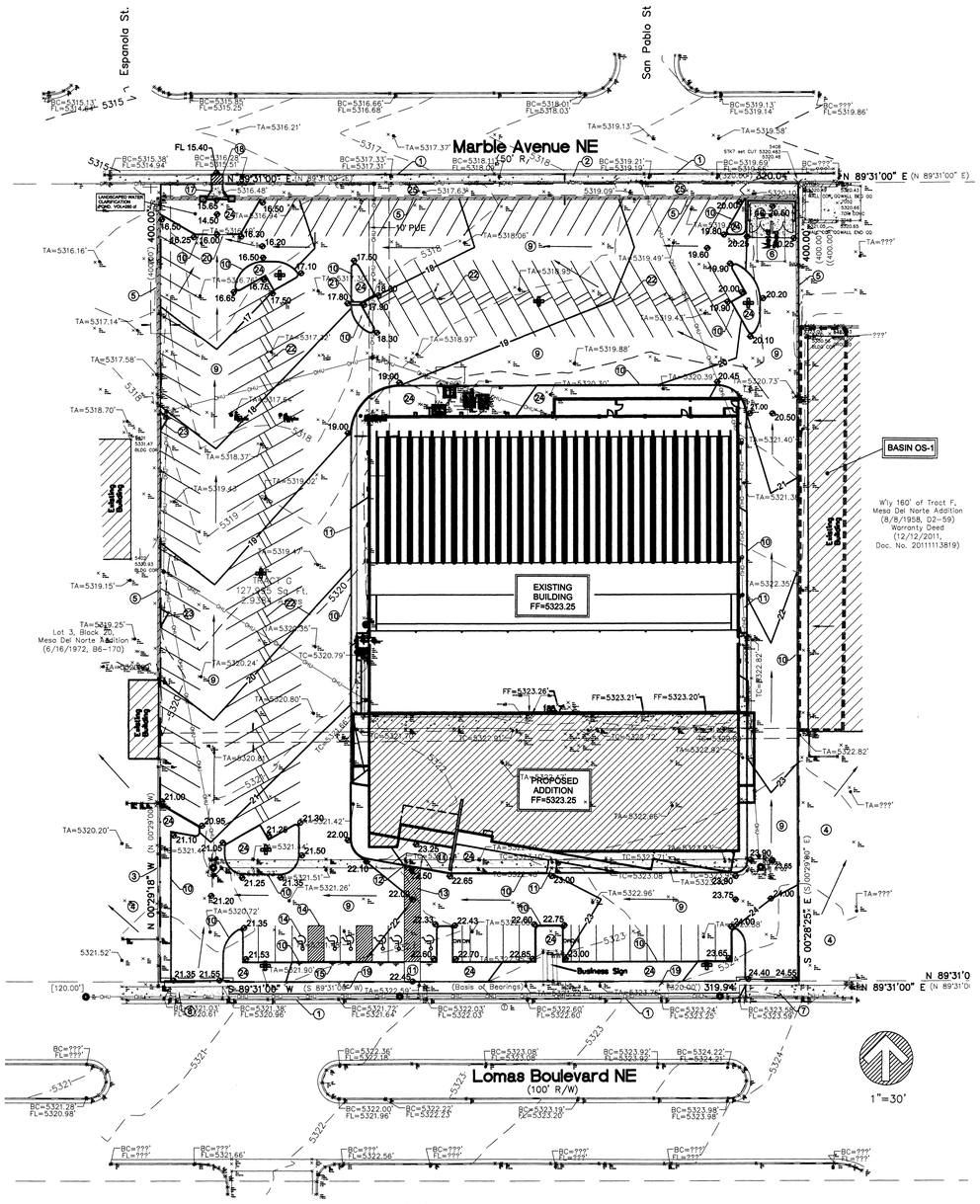


50-19

DRAINAGE FACILITIES WITHIN CITY RIGHT-OF WAY
NOTICE TO CONTRACTOR

1. AN EXCAVATION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY.
2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION", 1986 EDITION, AS AMENDED THROUGH UPDATE NO. 7.
3. THREE WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234 FOR THE LOCATION OF EXISTING UTILITIES.
4. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE LOCATIONS OF ALL CONSTRUCTIONS. 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 TRAFFIC/STREET USE.
6. MAINTENANCE OF THE FACILITY SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY BEING SERVED.
7. WORK ON ARTERIAL STREETS SHALL BE PERFORMED ON A 24-HOUR BASIS.

APPROVALS: _____
INSPECTOR DATE

SEE SITE DEMOLITION PLAN FOR REMOVAL AND DISPOSAL LIMITS

IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE DRAINAGE ORDINANCE, EFFECTIVE MAY 12, 2014, ALL NEW DEVELOPMENT PROJECT S ARE REQUIRED TO MANAGE THE RUNOFF WHICH OCCURS DURING THE 90TH PERCENTILE STORM EVENT. IN ORDER TO COMPLY WITH THIS CRITERIA, WHERE PRACTICAL, ALL SURFACE DRAINAGE SHALL BE ROUTED THROUGH LANDSCAPED AREAS BEFORE RELEASE INTO DOWNSTREAM DRAINAGE FACILITIES. THIS PLAN RECOMMENDS ALL LANDSCAPED AREAS BE DEPRESSED A MINIMUM OF 3-INCHES BELOW THE ADJACENT PAVED SURFACE TO RETAIN THE FIRST FLUSH RUNOFF.

GRADING AND DRAINAGE PLAN

PURPOSE AND SCOPE

Pursuant to the Drainage Ordinance for the City of Albuquerque and the Development Process Manual, this Grading and Drainage Plan outlines the drainage management criteria for controlling developed runoff from the project site. The project consists of the renovation of the Holiday Bowling Center, located at 7515 Lomas Blvd NE. The renovation includes a 28,000 square foot building addition with paving, landscaping, utility, grading, and drainage improvements to support the project. The purpose of this Plan is to support building permit approval. The scope of this plan is to present 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.

EXISTING CONDITIONS

The property is located at 7515 Lomas Blvd NE, between Pennsylania Street and Wyoming Blvd NE. The site is presently fully developed. The Holiday Bowling Center was developed in the 1950's. The existing 23,000 square foot building was developed in accordance with the criteria in force at the time. The site is fully surfaced with asphalt pavment. No Landscaing improvements are present.

Site topography slopes to the northwest. All excess runoff flows north by paved swales within the parking lot to the northwest corner of the site, where flows drain through an existing block wall to Marble Avenue NE. The existing drainage outlet has become clogged. There is no evidence that the site drains freely to Marble Avenue. It appears that excess runoff ponds at the northwest corner of the site. The east and west property boundaries are sealed by solid perimeter walls. A potion of the building located to the east drains into the side yard of the site (Basin OS-1). The remainder of the property to the east drains away from the site. No other off-site flows impact the site.

As shown by the FIRM Panel (Sheet C-3), the site does not lie within a mapped 100 year Flood Zone.

PROPOSED IMPROVEMENTS

As stated above, the project consists of the construction of a 28,000 square foot building addition with paving, landscaping, utility, grading, and drainage improvements. Where pracital all developed runoff will be routed through landscaping to capture the first flush before release into the perimeter streets. All excess runoff will be managed by respecting historical drainage conditions. All excess runoff will drain the the northwest corner of the site . A new drainage structure will be provided to safely drain developed flows through a sidewalk culvert to Marble Avenue. SO-19 permitting will apply. First Flush volume is provided as required by Ordinance.

Construction will disturb an area of more than 1.0 acres; therefore a Storm Water Pollution Prevention Plan will be required.

CALCULATIONS

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.

PROJECT HYDROLOGY		
Holiday Bowling Center		
ZONE:	3	AHYMO
P_{6HOUR}	2.60	
$P_{10\ DAY}$	4.90	

EXISTING CONDITIONS								
BASIN	AREA (ac)	A (ac)	B (ac)	C (ac)	D (ac)	E	Q (cfs)	VOL (ac ft)
SITE	2.94	0.00	0.04	0.00	2.94	2.34	14.86	0.573
OS-1	0.10	0.00	0.00	0.00	0.10	2.36	0.50	0.020

PROPOSED CONDITIONS								
BASIN	AREA (ac)	A (ac)	B (ac)	C (ac)	D (ac)	E	Q (cfs)	VOL (ac ft)
SITE	2.94	0.00	0.11	0.22	2.61	2.23	14.15	0.545
OS-1	0.10	0.00	0.00	0.00	0.10	2.36	0.50	0.020

FIRST FLUSH CALCULATION

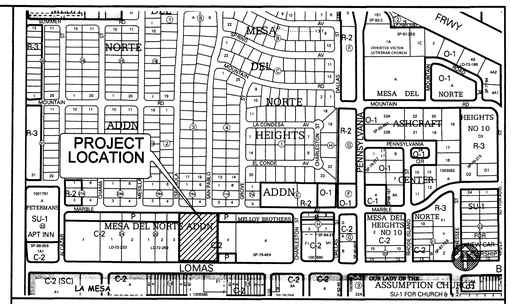
90TH Percentile depth = 0.44"
Less initial abstractions = -0.10"
Required retained depth = 0.34"

1.D = 2.61

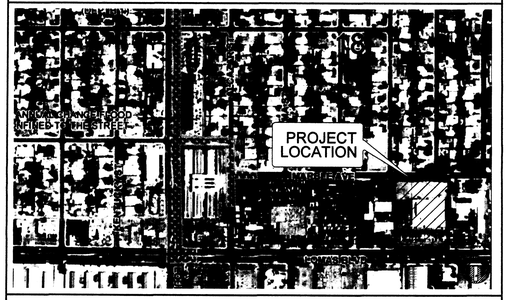
Pond requirement = Ad(0.34") = 2.61ac(43,560/12)(0.34") = 3,214 cf
Volume provided = Landscaped area x 0.25" = 14,375 sf(0.25") = 3,594 cf
Plus additional volume provide at water clarification pond = 75 cf
Total First Flush Volume Provided = 3,669 cf

DRAINAGE PLAN NOTES

1. **LDC recommends that the Owner obtain a Geotechnical Evaluation of the on-site soils prior to foundation/structural design.**
2. **This Plan recommends positive drainage away from all structures to prohibit ponding of runoff which may cause structural settlement. Future alteration of grades adjacent to the proposed structures is not recommended.**
3. **Irrigation within 10 feet of any proposed structure is not recommended. Introduction of irrigation water into subsurface soils adjacent to the structure could cause settlement.**
4. **This Plan is prepared to establish on-site drainage and grading criteria only. LDC assumes no responsibility for subsurface analysis, foundation/structural design, or utility design.**
5. **Local codes may require all footings to be placed in natural undisturbed soil. If the Contractor plans to place footings on engineered fill, a certification by a registered Professional Engineer will be required. If the contractor wishes LDC to prepare the Certification, we must be notified PRIOR to placement of the fill.**
6. **LDC recommends that the Owner obtain the services of a Geotechnical Engineer to test and inspect all earthwork aspects of the project.**
7. **The property boundary shown on this Plan is given for information only to describe the project limits. Property boundary information shown hereon does not constitute a boundary survey. A boundary survey performed by a licensed New Mexico Registered Professional Surveyor is recommended prior to construction.**
8. **All spot elevations are finished grade or top of pavement, unless noted otherwise.**
9. **The City of Albuquerque has received its EPA MS4 Permit for stormwater quality with an effective date of March 1, 2012.**



LOCATION MAP ZONE ATLAS J-22-Z NTS



FIRM PANEL 35001C0357H NTS

LEGEND

ITEM	EXISTING	PROPOSED
CURB AND GUTTER		
6" CONCRETE CURB		
CURB ELEVATIONS	TOP CONC ELEV / FLOWLINE ELEV	TOP CONC ELEV / FLOWLINE ELEV
SPOT ELEV.		16.7
RIGHT OF WAY		
EASEMENT		
CENTERLINE		
RETAINING WALL	R/R	
TOP OF ASPHALT ELEV.	TA 16.2	TA 16.2
FLOWLINE ELEV	EX FL 16.2	FL 16.2
DRAINAGE SWALE		
STORM INLET		
STORM DRAIN PIPE		SD
DOWNSPOUT		
DRAINAGE BASIN DIVIDE		
DRAINAGE BASIN ID	A-1	

KEYED NOTES

1. EXISTING CONCRETE STANDARD CURB AND GUTTER.
2. EXISTING PUBLIC SIDEWALK TO REMAIN.
3. EXISTING CONCRETE CURB.
4. EXISTING ASPHALT PAVEMENT.
5. EXISTING BLOCK WALL TO REMAIN.
6. EXISTING SHED TO BE RELOCATED. COORDINATE WITH OWNER.
7. EXISTING DRIVEPAD TO REMAIN. CONSTRUCT ACCESSIBLE SIDEWALK. SEE SHEET DETAIL H/C-3.
8. EXISTING DRIVEPAD TO REMAIN. CONSTRUCT ACCESSIBLE SIDEWALK. SEE SHEET DETAIL J/C-3.
9. REMOVE AND DISPOSE EXISTING ASPHALT. REPLACE WITH ASPHALT PAVEMENT PER SECTION A/C-3.
10. CONSTRUCT 6-INCH CONCRETE CURB. SEE DETAIL C/C-3.
11. CONSTRUCT CONCRETE SIDEWALK.
12. CONSTRUCT ACCESSIBLE RAMP AT 12:1 SLOPE MAX, SHEET DETAIL E/C-3.
13. PROVIDE STRIPED PEDESTRIAN CROSSING PER CODE.
14. PROVIDE HANDICAP PARKING PAVEMENT MARKINGS PER CODE - TYP.
15. INSTALL HANDICAP SIGN ASSEMBLY PER CODE - TYP. SEE DETAIL G/C-3.
16. CONSTRUCT NEW REFUSE ENCLOSURE. SEE DETAIL E/C-4.
17. CONSTRUCT 10' WIDE CONCRETE CHANNEL. SEE DETAIL A/C-4.
18. CONSTRUCT 2-24" SIDEWALK CULVERTS PER CITY STANDARD DETAIL 2236.
19. CONSTRUCT 6' PUBLIC SIDEWALK PER CITY STANDARD DETAIL 2430.
20. PROVIDE 10' CURB BLOCKOUT FOR DRAINAGE.
21. CONSTRUCT 12' DRAINAGE OPENING IN MEDIAN.
22. CONSTRUCT PLANTER - TYPE 1. SEE DETAIL D/C-4.
23. CONSTRUCT PLANTER - TYPE 2. SEE DETAIL E/C-4.
24. NEW LANDSCAPING. SEE LANDSCAPE PLAN.
25. EXISTING LANDSCAPING TO REMAIN.

PROJECT INFORMATION:

PROPERTY ADDRESS:
7515 LOMAS BLVD NE , ALBUQUERQUE, NEW MEXICO

LEGAL DESCRIPTION:
TRACT G, LA MESA DEL NORTE ADDITION

PROJECT SURVEY
BOUNDARY AND TOPOGRAPHIC SURVEY BY
CARTESIAN SURVEYS, INC., MAY 1, 2015

PROJECT BENCHMARK
ACS MONUMENT "26-K19"
ELEVATION = 5329.456 FEET MSLD (NAVD 1988)

RECEIVED
DEC 16 2015
LAND DEVELOPMENT SECTION

HOLIDAY BOWL BUILDING ADDITION

7515 LOMAS BOULEVARD N.E.,ALBUQUERQUE, N.M., 87110

David Vesica, Architect
1012 Marquez Place, #310B
Santa Fe, New Mexico, 87505
david@davidvesica.com
tel. 512.294.1665

Structural Engineer
RME ABQ Structural Engineers
Dave Sullens
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Electrical Engineer
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Tel. 505-8886266

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Tel. 505-888-6088

Mechanical Engineer
Walker Consulting Engineers
Terry Walker P.E.
1172 Laurel Loop NE
Albuquerque, NM 87112
Tel. 505-856-1783

General Contractor
Snyder Construction
6501 Palomas Avenue NE
Albuquerque, NM 87109
505-923-3181

Owner
Eve and Gary Skidmore
7515 Lomas Blvd. NE
Albuquerque, N.M. 87110

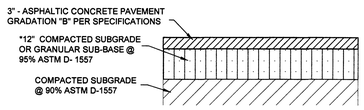
Stamp: DENNIS A. LORENZ, NEW MEXICO, 9647, REGISTERED PROFESSIONAL ENGINEER

#	Issue	Date

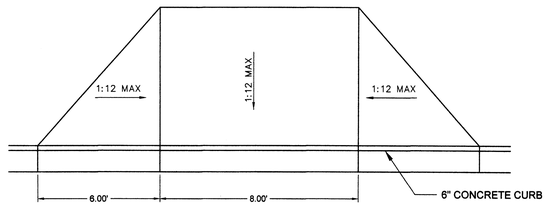
HOLIDAY BOWL ADDITION

GRADING & DRAINAGE PLAN
SCALE: 1" = 30'-0"

C-1



ASPHALT PAVEMENT SECTION — A / C-3
AUTO/PICKUP TRUCK — NTS



HANDICAP RAMP DETAIL - TYPE I — E / C-3
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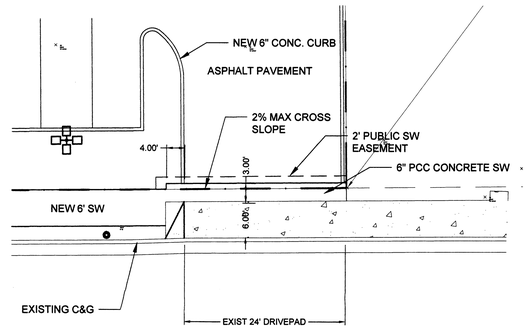
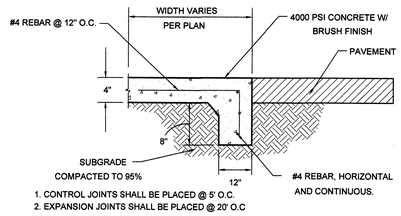
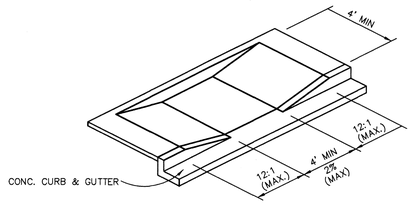


LOMAS BLVD NE

EAST DRIVEPAD ADA PLAN — H / C-3
NTS



TURN DOWN SIDEWALK AT ACCESSIBLE ZONES — B / C-3
NTS



HANDICAP RAMP DETAIL - TYPE II — F / C-3
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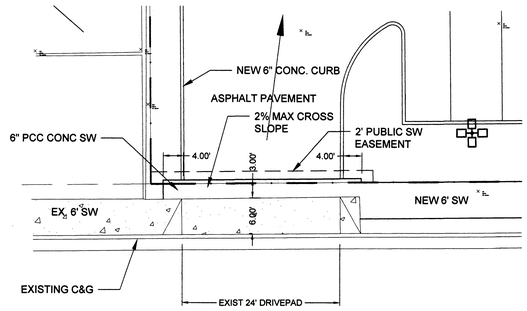

LOMAS BLVD NE

WEST DRIVEPAD ADA PLAN — J / C-3
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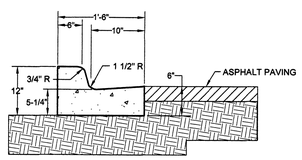

CONCRETE CURB AND GUTTER — C / C-3
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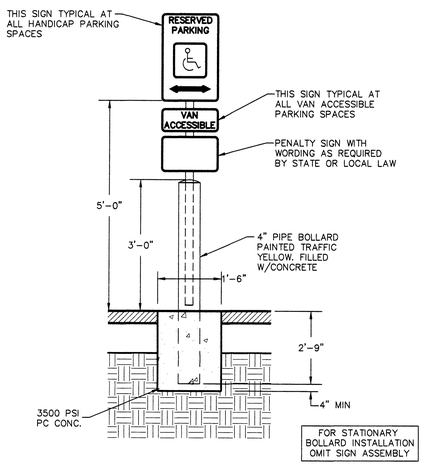
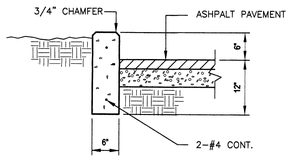


HC SIGN ASSEMBLY / BOLLARD DETAIL — G / C-3
NTS



HEADER CURB DETAIL — D / C-3
NTS

HOLIDAY BOWL BUILDING ADDITION

7515 LOMAS BOULEVARD N.E.,ALBUQUERQUE, N.M., 87110

David Vesica, Architect
1012 Marquez Place, #310B
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Tel. 505-856-1783

General Contractor
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6501 Palomas Avenue NE
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505-923-3181

Owner
Eve and Gary Skidmore
7515 Lomas Blvd. NE
Albuquerque, N.M. 87110

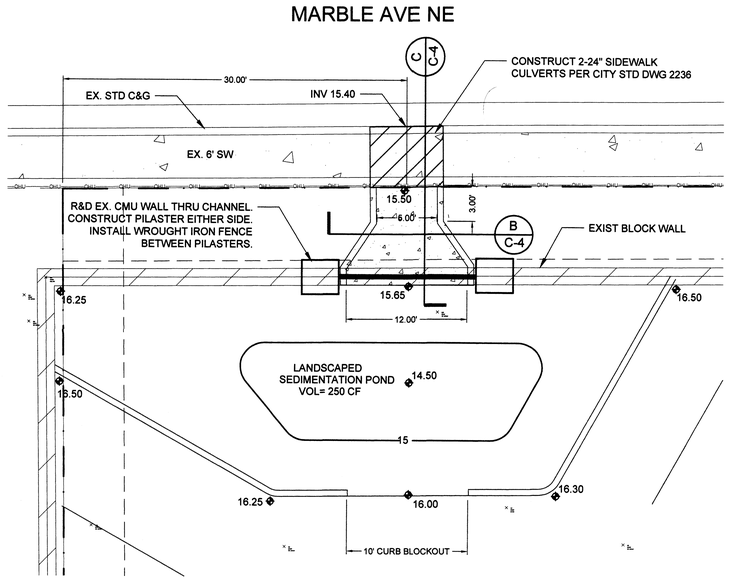
Stamp: DENNIS A. LORENZ — NEW MEXICO — 10-14-15 — REGISTERED PROFESSIONAL ENGINEER

#	Issue	Date

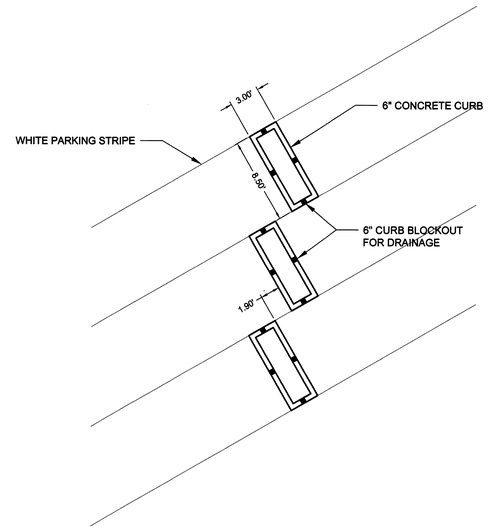
HOLIDAY BOWL ADDITION

SITE DETAILS

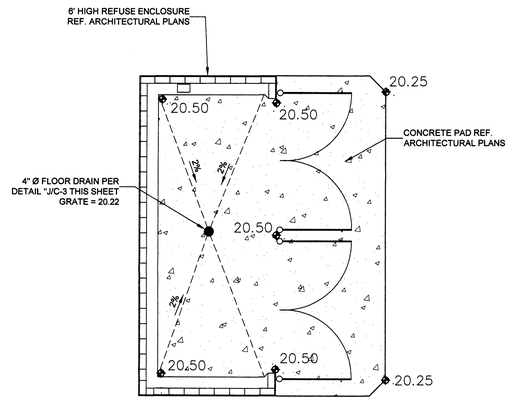
C-3



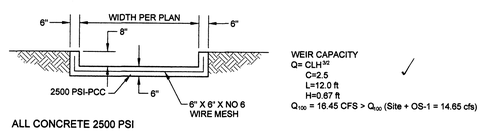
DRAINAGE CHANNEL PLAN — NTS — A / C-4



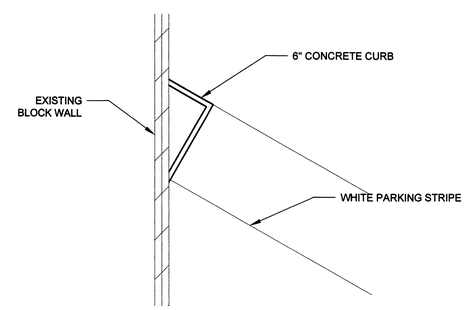
LANDSCAPE PLANTER DETAIL TYPE 1 — NTS — C / C-4



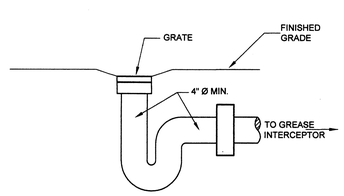
REFUSE ENCLOSURE SLAB PLAN — NTS — E / C-4



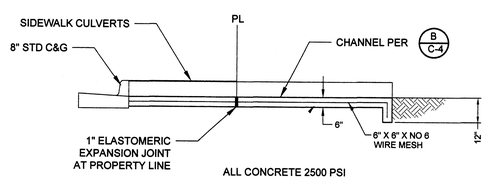
CONCRETE DRAINAGE CHANNEL DETAIL — NTS — B / C-4



LANDSCAPE PLANTER DETAIL TYPE 2 — NTS — D / C-4



4" SANITARY SEWER DRAIN FOR REFUSE ENCLOSURE — NTS — F / C-4



CONCRETE DRAINAGE CHANNEL SECTION — NTS — B / C-4

HOLIDAY BOWL BUILDING ADDITION

7515 LOMAS BOULEVARD N.E.,ALBUQUERQUE, N.M., 87110

David Vesica, Architect
1012 Marquez Place, #310B
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505-923-3181

Owner
Eve and Gary Skidmore
7515 Lomas Blvd. NE
Albuquerque, N.M. 87110

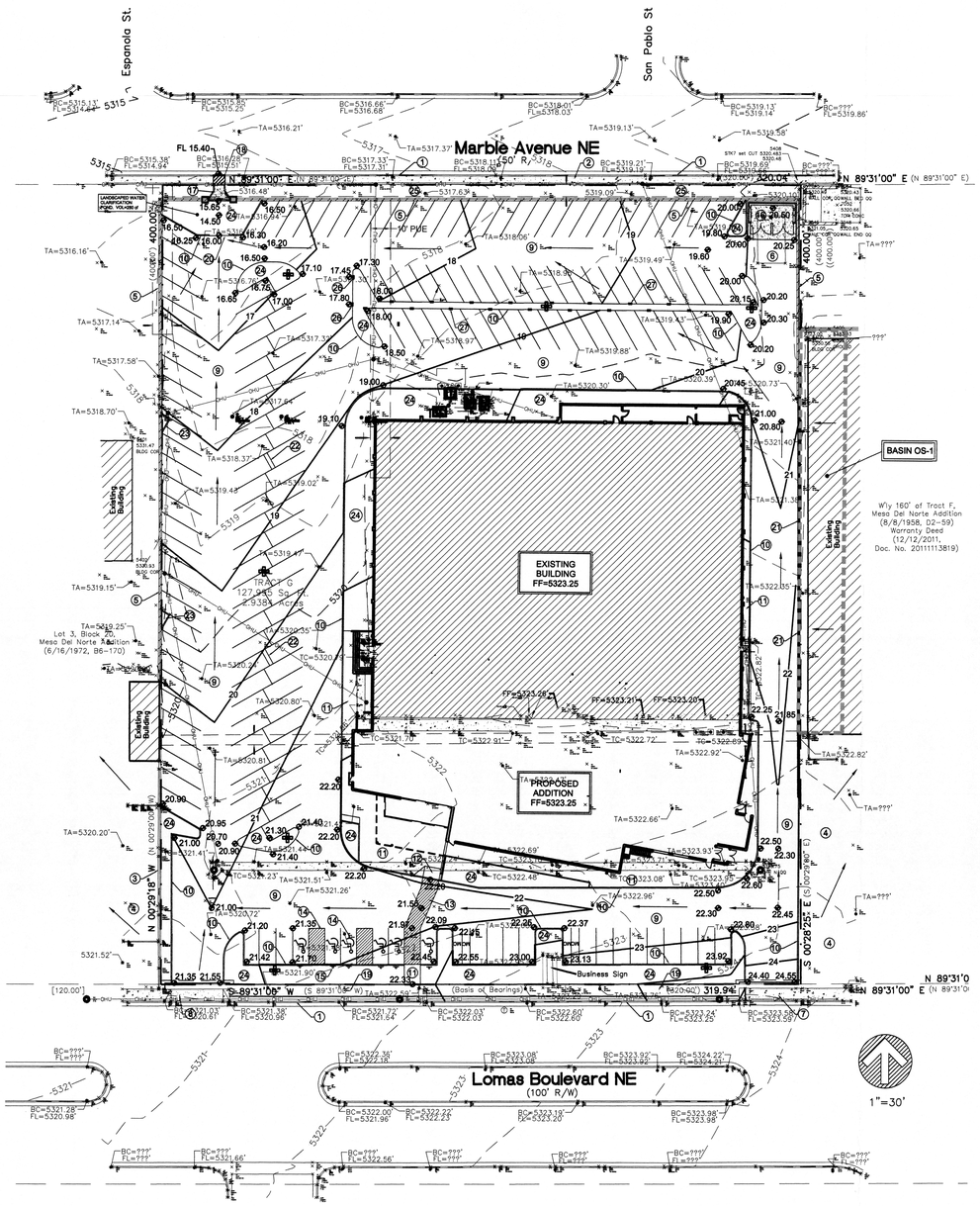
Stamp: DENNIS A. LORENZ, NEW MEXICO, 9647, REGISTERED PROFESSIONAL ENGINEER, 8-15-15

#	Issue	Date

HOLIDAY BOWL ADDITION

SITE DETAILS

C-4



GRADING AND DRAINAGE PLAN

PURPOSE AND SCOPE

Pursuant to the Drainage Ordinance for the City of Albuquerque and the Development Process Manual, this Grading and Drainage Plan outlines the drainage management criteria for controlling developed runoff from the project site. The project consists of the renovation of the Holiday Bowling Center, located at 7515 Lomas Blvd NE. The renovation includes a 14,165 square foot building addition with paving, landscaping, utility, grading, and drainage improvements to support the project. The purpose of this Plan is to support building permit approval. The scope of this plan is to present 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.

EXISTING CONDITIONS

The property is located at 7515 Lomas Blvd NE, between Pennsylania Street and Wyoming Blvd NE. The site is presently fully developed. The Holiday Bowling Center was developed in the 1950's. The existing 28,435 square foot building was developed in accordance with the criteria in force at the time. The site is fully surfaced with asphalt pavment. No Landscaing improvements are present.

Site topography slopes to the northwest. All excess runoff flows north by paved swales within the parking lot to the northwest corner of the site, where flows drain through an existing block wall to Marble Avenue NE. The existing drainage outlet has become clogged. There is no evidence that the site drains freely to Marble Avenue. It appears that excess runoff ponds at the northwest corner of the site. The east and west property boundaries are sealed by solid perimeter walls. A potion of the building located to the east drains into the side yard of the site (Basin OS-1). The remainder of the property to the east drains away from the site. No other off-site flows impact the site.

As shown by the FIRM Panel (Sheet C-3), the site does not lie within a mapped 100 year Flood Zone.

PROPOSED IMPROVEMENTS

As stated above, the project consists of the construction of a 14,165 square foot building addition with paving, landscaping, utility, grading, and drainage improvements. Where practical all developed runoff will be routed through landscaping to capture the first flush before release into the perimeter streets. All excess runoff will be managed by respecting historical drainage conditions. All excess runoff will drain the the northwest corner of the site . A new drainage structure will be provided to safely drain developed flows through a sidewalk culvert to Marble Avenue. SO-19 permitting will apply. First Flush volume is provided as required by Ordinance.

By agreement with the adjoining property owner a new block wall will be constructed along the east property line to manage flows from Basin OS-1. These flows will drain north within Tract F and discharge to Marble Avenue NE.

Construction will disturb an area of more than 1.0 acres; therefore a Storm Water Pollution Prevention Plan will be required.

CALCULATIONS

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.

PROJECT HYDROLOGY
Holiday Bowling Center

ZONE:	3	AHYMO
P_{6HOUR}	2.60	
$P_{10\ DAY}$	4.90	

EXISTING CONDITIONS

BASIN	AREA (ac)	A (ac)	B (ac)	C (ac)	D (ac)	E	Q (cfs)	VOL (ac ft)
SITE	2.94	0.00	0.04	0.00	2.94	2.34	14.86	0.573
OS-1	0.10	0.00	0.00	0.00	0.10	2.36	0.50	0.020

PROPOSED CONDITIONS

BASIN	AREA (ac)	A (ac)	B (ac)	C (ac)	D (ac)	E	Q (cfs)	VOL (ac ft)
SITE	2.94	0.00	0.10	0.18	2.66	2.25	14.23	0.550
OS-1	0.10	0.00	0.00	0.00	0.10	2.36	0.50	0.020

FIRST FLUSH CALCULATION

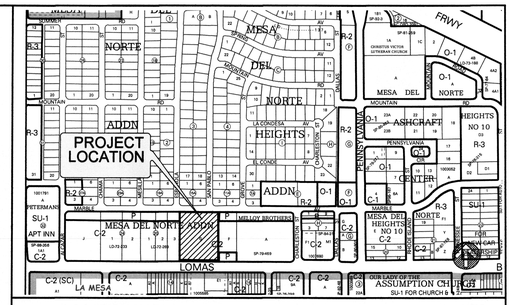
90TH Percentile depth = 0.44"
Less initial abstractions = -0.10"

Required retained depth = 0.34"

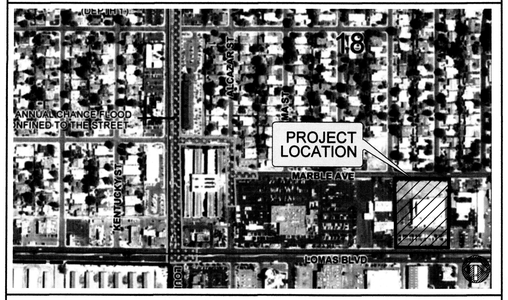
Pond requirement = Ad(0.34") = 2.66ac(43,560/12)(0.34") = 3,283 cf
Volume provided = Landscaped area x 0.25" = 12,220 sf(0.25") = 3,050 cf
Plus additional volume provide at water clarification pond = 250 cf
Total First Flush Volume Provided = 3,300 cf

DRAINAGE PLAN NOTES

1. **LDC recommends that the Owner obtain a Geotechnical Evaluation of the on-site soils prior to foundation/structural design.**
2. **This Plan recommends positive drainage away from all structures to prohibit ponding of runoff which may cause structural settlement. Future alteration of grades adjacent to the proposed structures is not recommended.**
3. **Irrigation within 10 feet of any proposed structure is not recommended. Introduction of irrigation water into subsurface soils adjacent to the structure could cause settlement.**
4. **This Plan is prepared to establish on-site drainage and grading criteria only. LDC assumes no responsibility for subsurface analysis, foundation/structural design, or utility design.**
5. **Local codes may require all footings to be placed in natural undisturbed soil. If the Contractor plans to place footings on engineered fill, a certification by a registered Professional Engineer will be required. If the contractor wishes LDC to prepare the Certification, we must be notified PRIOR to placement of the fill.**
6. **LDC recommends that the Owner obtain the services of a Geotechnical Engineer to test and inspect all earthwork aspects of the project.**
7. **The property boundary shown on this Plan is given for information only to describe the project limits. Property boundary information shown hereon does not constitute a boundary survey. A boundary survey performed by a licensed New Mexico Registered Professional Surveyor is recommended prior to construction.**
8. **All spot elevations are finished grade or top of pavement, unless noted otherwise.**
9. **The City of Albuquerque has received its EPA MS4 Permit for stormwater quality with an effective date of March 1, 2012.**



LOCATION MAP **ZONE ATLAS J-22-Z** **NTS**



FIRM PANEL 35001C0357H **NTS**

LEGEND

ITEM	EXISTING	PROPOSED
CURB AND GUTTER		
6" CONCRETE CURB		
CURB ELEVATIONS	TOP ZONE ELEV. FLOWLINE ELEV.	TOP ZONE ELEV. FLOWLINE ELEV.
SPOT ELEV.		16.7
RIGHT OF WAY		
EASEMENT		
CENTERLINE		
RETAINING WALL	R/R	
TOP OF ASPHALT ELEV.	TA 16.2	TA 16.2
FLOWLINE ELEV	EX FL 16.2	FL 16.2
DRAINAGE SWALE		
STORM INLET		
STORM DRAIN PIPE		SD
DOWNSPOUT		
DRAINAGE BASIN DIVIDE		
DRAINAGE BASIN ID		A-1

KEYED NOTES

1. EXISTING CONCRETE STANDARD CURB AND GUTTER.
2. EXISTING PUBLIC SIDEWALK TO REMAIN.
3. EXISTING CONCRETE CURB.
4. EXISTING ASPHALT PAVEMENT.
5. EXISTING BLOCK WALL TO REMAIN.
6. EXISTING SHED TO BE RELOCATED. COORDINATE WITH OWNER.
7. EXISTING DRIVEPAD TO REMAIN. CONSTRUCT ACCESSIBLE SIDEWALK. SEE SHEET DETAIL H/C-3.
8. EXISTING DRIVEPAD TO REMAIN. CONSTRUCT ACCESSIBLE SIDEWALK. SEE SHEET DETAIL J/C-3.
9. REMOVE AND DISPOSE EXISTING ASPHALT. REPLACE WITH ASPHALT PAVEMENT PER SECTION A/C-3.
10. CONSTRUCT 8-INCH CONCRETE CURB. SEE DETAIL C/C-3.
11. CONSTRUCT CONCRETE SIDEWALK.
12. CONSTRUCT ACCESSIBLE RAMP AT 12:1 SLOPE MAX. SHEET DETAIL E/C-3.
13. PROVIDE STRIPED PEDESTRIAN CROSSING PER CODE.
14. PROVIDE HANDICAP PARKING PAVEMENT MARKINGS PER CODE - TYP.
15. INSTALL HANDICAP SIGN ASSEMBLY PER CODE - TYP. SEE DETAIL G/C-3.
16. CONSTRUCT NEW REFUSE ENCLOSURE. SEE DETAIL E/C-4.
17. CONSTRUCT 10' WIDE CONCRETE CHANNEL. SEE DETAIL A/C-4.
18. CONSTRUCT 2-24" SIDEWALK CULVERTS PER CITY STANDARD DETAIL 2236.
19. CONSTRUCT 6' PUBLIC SIDEWALK PER CITY STANDARD DETAIL.2430.
20. PROVIDE 10' CURB BLOCKOUT FOR DRAINAGE.
21. CONSTRUCT 6' CMU WALL TO LIMITS SHOWN.
22. CONSTRUCT PLANTER - TYPE 1. SEE DETAIL D/C-4.
23. CONSTRUCT PLANTER - TYPE 2. SEE DETAIL E/C-4.
24. NEW LANDSCAPING. SEE LANDSCAPE PLAN.
25. EXISTING LANDSCAPING TO REMAIN.
26. CONSTRUCT 12" CURB BLOCKOUT FOR DRAINAGE.
27. CONSTRUCT 6" CURB BLOCKOUT FOR DRAINAGE AT 10' ON CENTER ALONG MEDIAN LENGTH.

DRAINAGE FACILITIES WITHIN CITY RIGHT-OF WAY
NOTICE TO CONTRACTOR

1. AN EXCAVATION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY.
2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION", 1986 EDITION, AS AMENDED THROUGH UPDATE NO. 7.
3. THREE WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234 FOR THE LOCATION OF EXISTING UTILITIES.
4. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE LOCATIONS OF ALL CONSTRUCTIONS. 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 TRAFFIC/STREET USE.
6. MAINTENANCE OF THE FACILITY SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY BEING SERVED.
7. WORK ON ARTERIAL STREETS SHALL BE PERFORMED ON A 24-HOUR BASIS.

APPROVALS : _____
INSPECTOR DATE

SEE SITE DEMOLITION PLAN FOR REMOVAL AND DISPOSAL LIMITS

IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE DRAINAGE ORDINANCE, EFFECTIVE MAY 12, 2014, ALL NEW DEVELOPMENT PROJECT S ARE REQUIRED TO MANAGE THE RUNOFF WHICH OCCURS DURING THE 90TH PERCENTILE STORM EVENT. IN ORDER TO COMPLY WITH THIS CRITERIA, WHERE PRACTICAL, ALL SURFACE DRAINAGE SHALL BE ROUTED THROUGH LANDSCAPED AREAS BEFORE RELEASE INTO DOWNSTREAM DRAINAGE FACITLITIES. THIS PLAN RECOMMENDS ALL LANDSCAPED AREAS BE DEPRESSED A MINIMUM OF 3-INCHES BELOW THE ADJACENT PAVED SURFACE TO RETAIN THE FIRST FLUSH RUNOFF.

PROJECT INFORMATION:

PROPERTY ADDRESS:
7515 LOMAS BLVD NE , ALBUQUERQUE, NEW MEXICO

LEGAL DESCRIPTION:
TRACT G, LA MESA DEL NORTE ADDITION

PROJECT SURVEY
BOUNDARY AND TOPOGRAPHIC SURVEY BY CARTESIAN SURVEYS, INC., MAY 1, 2015

PROJECT BENCHMARK
ACS MONUMENT "26-K19"
ELEVATION = 5329.456 FEET MSLD (NAVD 1988)

HOLIDAY BOWL BUILDING ADDITION

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505-923-3181

Owner
Eve and Gary Skidmore
7515 Lomas Blvd. NE
Albuquerque, N.M. 87110

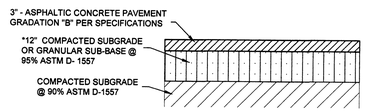
Stamp: DENNIS A. LORENZ NEW MEXICO 9647 REGISTERED PROFESSIONAL ENGINEER 12-31-17

#	Issue	Date

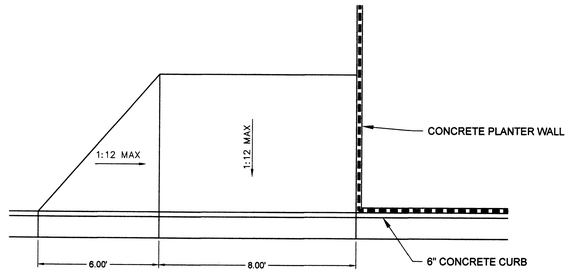
HOLIDAY BOWL ADDITION

GRADING & DRAINAGE PLAN
SCALE: 1" = 30'-0"

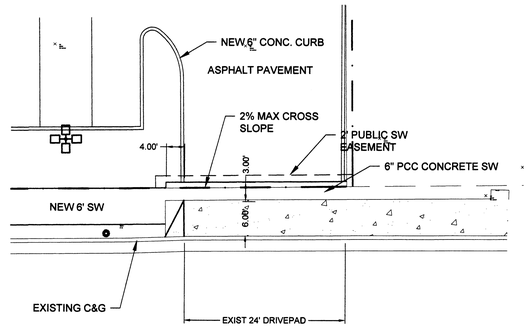
C-1



ASPHALT PAVEMENT SECTION (A / C-3)
AUTO/PICKUP TRUCK
NTS

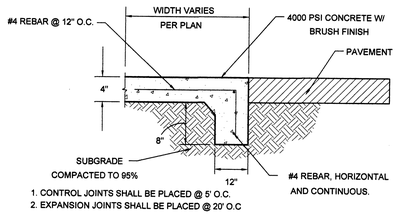


HANDICAP RAMP DETAIL - TYPE I (E / C-3)
NTS

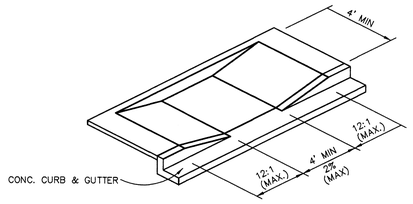


LOMAS BLVD NE

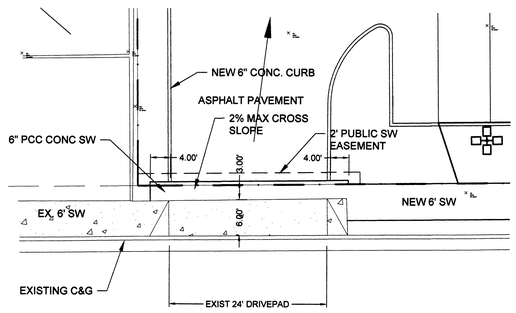
EAST DRIVEPAD ADA PLAN (H / C-3)
NTS



TURN DOWN SIDEWALK AT ACCESSIBLE ZONES (B / C-3)
NTS

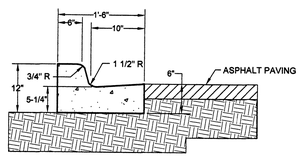


HANDICAP RAMP DETAIL - TYPE II (F / C-3)
NTS



LOMAS BLVD NE

WEST DRIVEPAD ADA PLAN (J / C-3)
NTS



CONCRETE CURB AND GUTTER (C / C-3)
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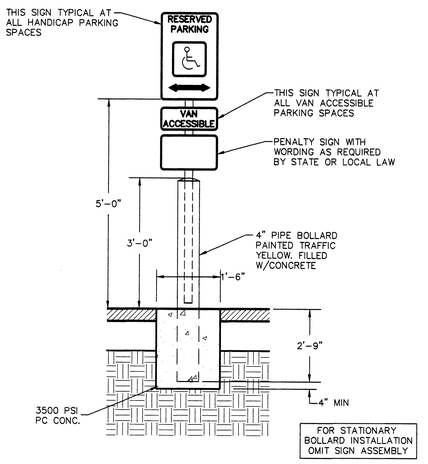
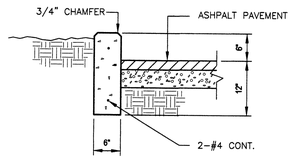


HC SIGN ASSEMBLY / BOLLARD DETAIL (G / C-3)
NTS



HEADER CURB DETAIL (D / C-3)
NTS

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HOLIDAY BOWL BUILDING ADDITION

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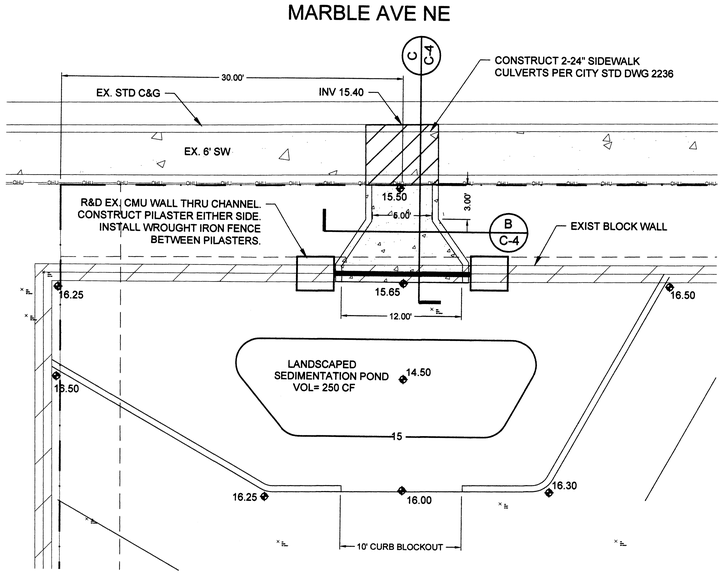
Stamp: DENNIS A. LORENZ, NEW MEXICO, 9647, REGISTERED PROFESSIONAL ENGINEER, 11-17

#	Issue	Date

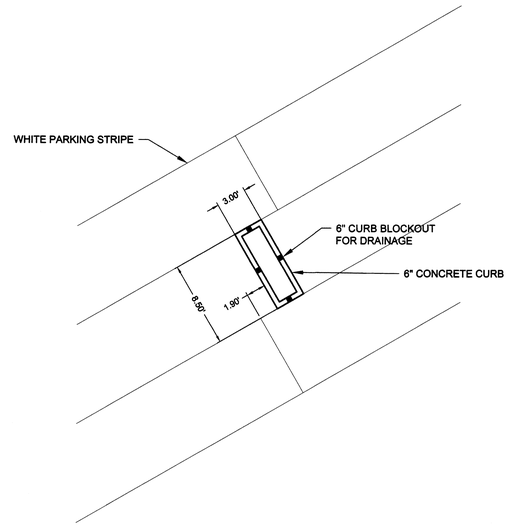
HOLIDAY BOWL ADDITION

SITE DETAILS

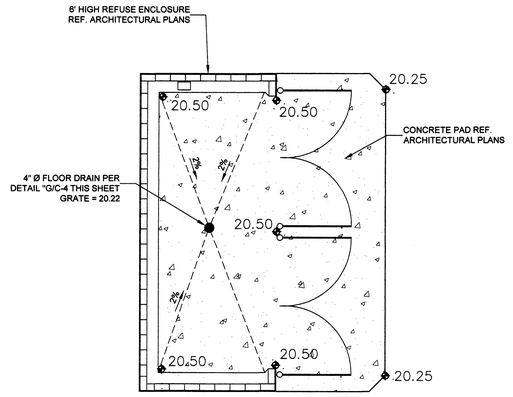
C-3



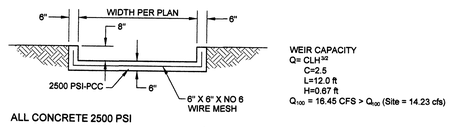
DRAINAGE CHANNEL PLAN — NTS — A / C-4



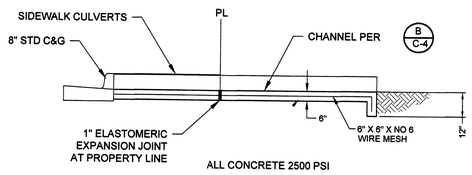
LANDSCAPE PLANTER DETAIL TYPE 1 — NTS — D / C-4



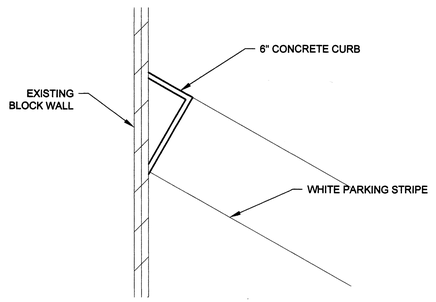
REFUSE ENCLOSURE SLAB PLAN — NTS — F / C-4



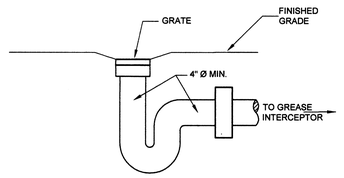
CONCRETE DRAINAGE CHANNEL DETAIL — NTS — B / C-4



CONCRETE DRAINAGE CHANNEL SECTION — NTS — C / C-4



LANDSCAPE PLANTER DETAIL TYPE 2 — NTS — E / C-4



4" SANITARY SEWER DRAIN FOR REFUSE ENCLOSURE — NTS — G / C-4

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Stamp: DENNIS A. LORENZ — NEW MEXICO — 9647 — REGISTERED PROFESSIONAL ENGINEER — 7.31.17

#	Issue	Date

HOLIDAY BOWL ADDITION

SITE DETAILS

C-4