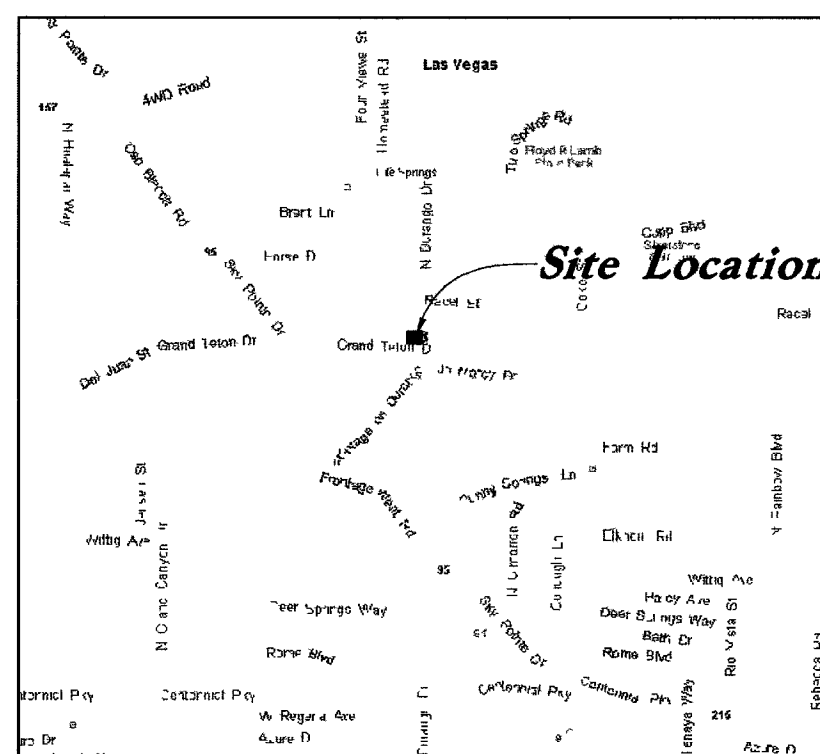
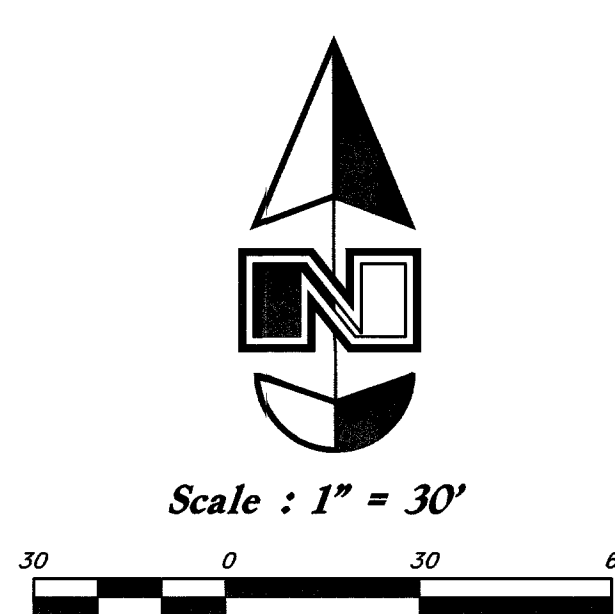
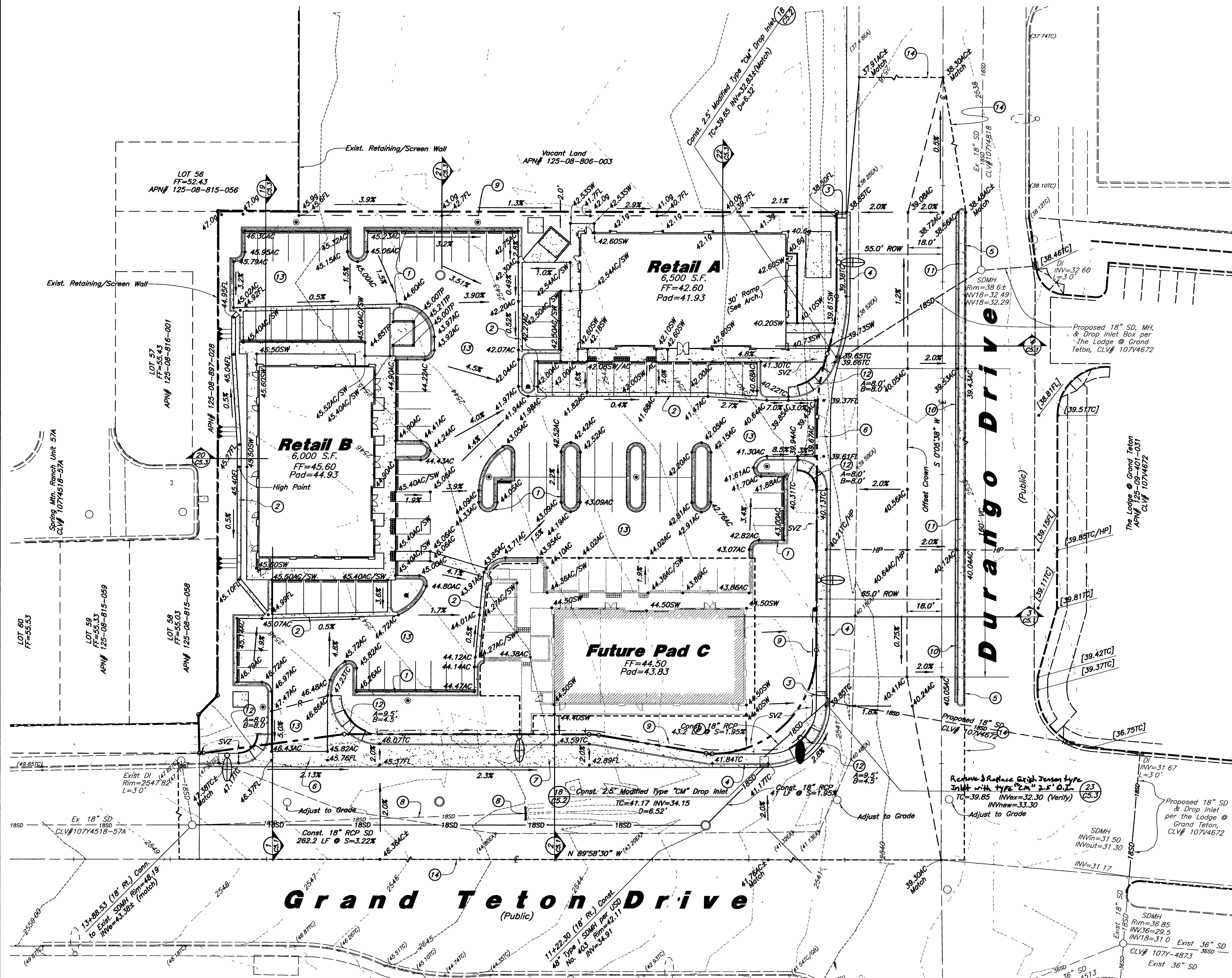




Vicinity Map
No Scale

Curb and Gutter Construction Notes:

- Open face gutter shall be constructed where drainage is directed away from curb.
- Open face gutter locations are indicated by shading and notes on site and grading plan.
- It is the responsibility of the surveyor to adjust top of curb grades at the time construction staking.
- Refer to the typical details for a standard and open face curb and gutter for dimensions.
- Transitions between open face and standard curb and gutter are to be smooth. Hand form these areas if necessary.

Legend

Direction of Drainage	AC
Top of Asphalt	SW
Top of Walk	CA
Edge of Asphalt	FL
Flowline	TC
Top of Curb	TG
Top of Grate	TP
Top of Pavement	TR
Ridge line	GR
Ground	9
Std. Curb & Gutter	
AC to TC=0.42'	
Open Face C & G	
AC to TC=0.54'	
Finish Grade -	TRW
Top of Retaining Wall	
Finish Grade -	BRW
Bottom of Retaining Wall	
Exist. Spot Elev.	+ (55.47)
Proposed Spot Elev.	+ 56.79
Future Spot Elev.	+ [56.79]
Drainage Swale	
Existing Manhole	
Proposed Manhole	

General Grading Notes:

- All work shall be in accordance with the Las Vegas City Public Works Standard.
- Cut slopes shall be no steeper than 2 horizontal to 1 vertical.
- Fill slopes shall be no steeper than 2 horizontal to 1 vertical.
- Fills shall be compacted per the recommendations of the geotechnical report prepared for the project and shall be certified by the geotechnical engineer.
- Areas to receive fill shall be properly prepared and approved by the City inspector and geotechnical Engineer prior to placing fill.
- Fills shall be benched into competent material as per specifications and geotechnical report.
- All trench backfill shall be tested and certified by the site geotechnical engineer per the grading code.
- A geotechnical engineer shall perform periodic inspections and submit a complete report and map upon completion of the rough grading.
- The final compaction report and certification from the geotechnical engineer shall contain the type of field testing performed. Each test shall be identified with the method of obtaining the in-place density, whether sand cone or drive ring and shall be so noted for each test. Sufficient maximum density determinations shall be performed to verify the accuracy of the maximum density curves used by the field technician.
- Dust shall be controlled by watering.
- The location and protection of all utilities is the responsibility of the permittee.
- Approved protective measures and temporary drainage provisions must be used to protect adjoining properties during the grading project.
- All public roadways must be cleared daily of all dirt, mud and debris deposited on them as a result of the grading operation. Cleaning is to be done to the satisfaction of the city engineer.
- The site shall be cleared and grubbed of all vegetation and deleterious matter prior to grading.
- The contractor shall provide shoring in accordance with OSHA requirements for trench walls.
- Aggregate base shall be compacted per the geotechnical report prepared for the project.
- Elevations shown on this plan are finish grades. Rough grades are the subgrades of the improvements shown hereon.
- The recommendations in the following Geotechnical Engineering Report by Owens Geotechnical, Inc. are included in the requirements of grading and site Preparation. The report is titled: Geotechnical Exploration Report Durango Square-Retail Development NWC Durango Drive and Grand Teton Drive Las Vegas, Nevada. Job No.: E-05-297 Dated: December 7, 2005
- As part of the construction documents, owner has provided contractor with a topographic survey performed by manual or aerial means. Such survey was prepared for project design purposes and is provided to the contractor as a courtesy. It is expressly understood that such survey may not accurately reflect existing topographic conditions.

Basis of Bearings

North 89°58'30" West, being the South line of the Southeast quarter (SE 1/4) of section 8, township 19 South, range 60 East, M.D.M., as shown on plat book 98, page 7 on file in the office of the county recorder, Clark County, Nevada.

Benchmark

City of Las Vegas vertical control no. OLV90 17NES rivet and plate in top of curb @ SW corner of Grand Teton & Durango

Elevation - 774.1140 (Meters) / 2539.74 (Feet)
North American Vertical Datum of 1988

Call before you Dig.
1-800-227-2800
UNDERGROUND SERVICE ALERT

Call before you OVERHEAD
1-702-227-2929
OVERHEAD SERVICE ALERT

Key Notes:

- Const. 24" Curb & Gutter
- Const. 2' Waterway
- Const. Sidewalk Drain per USD No. 236
- Const. 2" Curb & Gutter per USD No. 216
- Const. 7" Curb per USD No. 219
- Const. 8" Cross Gutter per USD No. 228
- Const. Bus Turnout per USD No. 234.1
- Remove Exist. 18" Storm Drain & Headwall
- Const. Drainage Swale
- Const. 2" Type Median Curb per USD No. 219
- Const. Median Concrete per USD No. 218
- Const. Sidewalk Ramp per USD No. 235, Case 1 Using Armor Tile Truncated Domes or Approved Equal
- Const. Asphalt Pavement
- Sawcut Asphalt

Drainage Compliance Note:

I certify that the grading plan is in conformance with the approved drainage study on file with the city of Las Vegas for this project. 053981.

Bret Wahlen 11109
Date 8/23/06

DESIGNED BY: JR	DATE: 05-11-06
DRAFTED BY: SP	REV: 1
CLIENT NAME: Nova Source	DESCRIPTION: SOUTH
GREAT BASIN ENGINEERING - SOUTH CONSULTING ENGINEERS and LAND SURVEYORS	
2010 North Redwood Road, P.O. Box 16747	
Salt Lake City, Utah 84116	
Tel: (801) 521-6551 Fax: (801) 521-6551	
Grading Plan	
Durango Center	
NW Corner of Durango Drive & Grand Teton Drive Las Vegas, Nevada	
21 Aug, 2006	
SHEET NO. C4	
6 of 13	
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