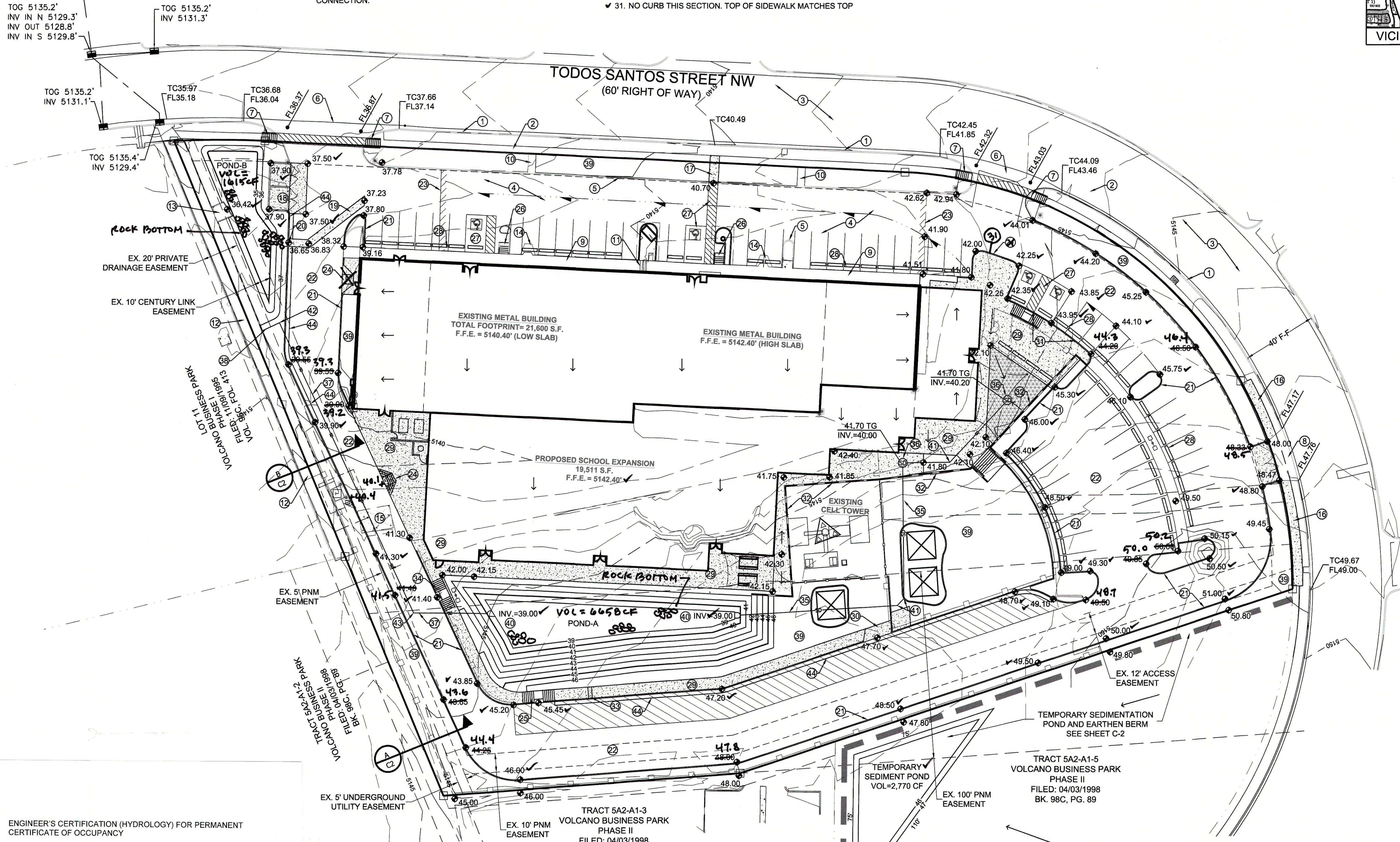


KEYED NOTES

- EXISTING CONCRETE CURB AND GUTTER.
- EXISTING CONCRETE SIDEWALK.
- EXISTING ASPHALT ROADWAY.
- EXISTING ASPHALT PAVEMENT TO BE CRACK SEALED AND OVERLAYED.
- EXISTING CONCRETE CURB.
- EXISTING CONCRETE VALLEY GUTTER.
- EXISTING UNIDIRECTIONAL HANDICAP RAMP.
- EXISTING CONCRETE DRIVEPAD.
- EXISTING TURNDOWN SIDEWALK.
- EXISTING PEDESTRIAN LINK TO PERIMETER SIDEWALK.
- EXISTING STAIRS TO REMAIN.
- EXISTING CONCRETE DRAINAGE CHANNEL.
- EXISTING CONCRETE POND SPILLWAY.
- REMOVE AND DISPOSE EXISTING ASPHALT RAMP.
- REMOVE AND DISPOSE EXISTING CONCRETE SLAB.
- CONSTRUCT NEW 6" CONCRETE SIDEWALK (PUBLIC).
- CONSTRUCT NEW 5' CONCRETE SIDEWALK. SAW CUT EXISTING CONCRETE CURB TO PROVIDE ACCESSIBLE CONNECTION.

- CONSTRUCT NEW REFUSE ENCLOSURE.
- CONSTRUCT 4" CONCRETE VALLEY GUTTER. SEE DETAIL D/C2
- PROVIDE 4" CURB BLOCKOUT AT VALLEY GUTTER.
- CONSTRUCT CONCRETE HEADER CURB OR TURNDOWN SIDEWALK. SEE DETAILS SHEET C3
- CONSTRUCT NEW ASPHALT PAVEMENT.
- SAWCUT EXISTING ASPHALT TO LIMIT SHOWN.
- CONSTRUCT NEW HANDICAPPED ACCESS RAMP. SEE DETAIL D/C3
- CONSTRUCT NEW HANDICAPPED ACCESS RAMP. SEE DETAIL G/C3
- CONSTRUCT NEW HANDICAPPED ACCESS RAMP. SEE DETAIL H/C3
- PROVIDE HANDICAP AND ACCESSIBLE STRIPING AND SIGNAGE PER LOCAL CODES.
- INSTALL CONCRETE TIRE STOPS.
- CONSTRUCT CONCRETE SIDEWALK AND/OR FLAT WORK. SEE SITE PLAN.
- CONSTRUCT 12" CONCRETE DRIVEPAD. SEE DETAIL SHEET C2
- NO CURB THIS SECTION. TOP OF SIDEWALK MATCHES TOP

- CONSTRUCT NEW RETAINING WALL. SEE RETAINING WALL PLAN SHEETS C4 & C5.
- CONSTRUCT 18" SIDEWALK CULVERT. SEE DETAILS SHEET C2 - 18" BUILT
- CONSTRUCT CONCRETE POND OVERFLOW SPILLWAY. PER DETAIL C/C2
- CONSTRUCT 12 INCH STORM DRAIN. AT S=0.50%.
- CONSTRUCT AREA DRAIN PER DETAIL SEE SHEET C2.
- CONSTRUCT 6 INCH POND DRAINLINE.
- CONNECT 6 INCH DRAINLINE TO CHANNEL SIDEWALL. SEE DETAIL E/C2.
- LANDSCAPING. SEE LANDSCAPE PLAN.
- INSTALL END SECTION.
- INSTALL 45° BEND.
- INSTALL 90° BEND.
- INSTALL 1-45° BEND & 1-22.5° BEND.
- CONSTRUCT CONCRETE CURB AND GUTTER AT LOCATIONS SHOWN FOR DRAINAGE. SEE DETAIL SHEET C-3



DRAINAGE PLAN NOTES

- BLI recommends that the Owner obtain a Geotechnical Evaluation of the on-site soils prior to foundation/structural design.
- 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.
- 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.
- This Plan is prepared to establish on-site drainage and grading criteria only. BLI assumes no responsibility for subsurface analysis, foundation/structural design, or utility design.
- 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

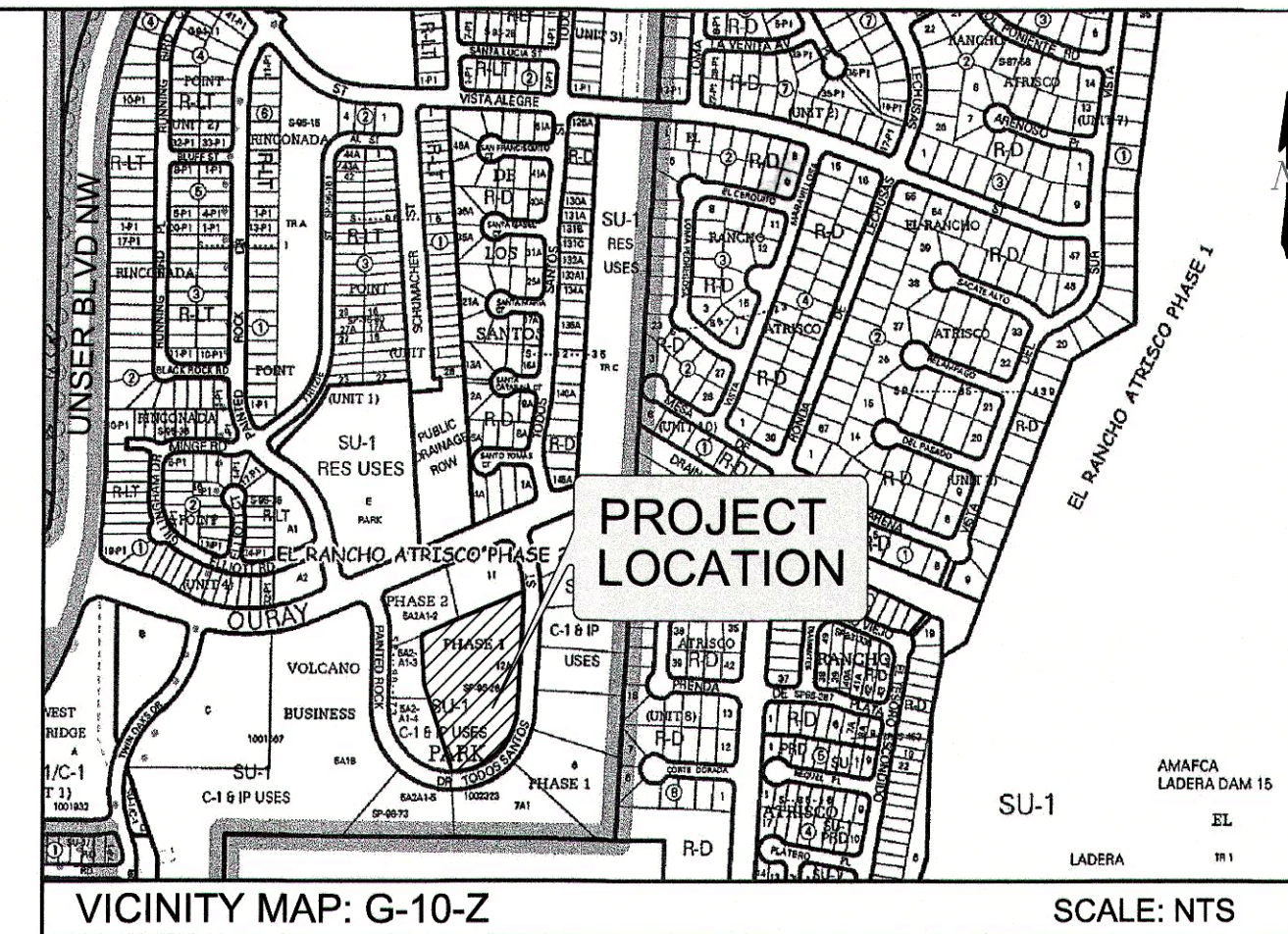
be required. If the contractor wishes BLI to prepare the Certification, we must be notified PRIOR to placement of the fill.

BLI recommends that the Owner obtain the services of a Geotechnical Engineer to test and inspect all earthwork aspects of the project.

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.

All spot elevations are finished grade or top of pavement, unless noted otherwise.

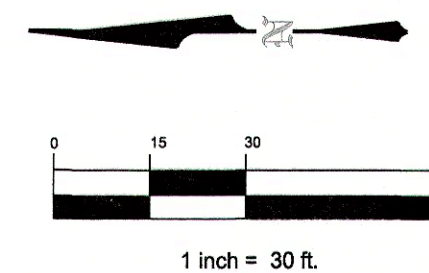
All landscaping shall be depressed 2" minimum. Where drainage flows are diverted through landscaping, see plan for elevations.



LEGEND

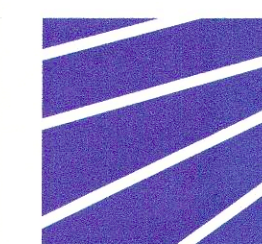
ITEM	EXISTING	PROPOSED
PROPOSED SPOT ELEVATION	75.5	01.5
POWER POLE (GUYYED)	PP	
STORM DRAIN MANNHOLE		SD
CONTOUR W/ ELEVATION	4992	92
EXISTING FINISHED FLOOR ELEVATION CHANGE		
DIRECTION OF FLOW		
DRAINAGE SWALE		
RIGHT OF WAY		
EASEMENT LINE		
PROPERTY LINE		
CHAIN LINK FENCE		
CURB		
RETAINING WALL		
CONCRETE SIDEWALK OR PAVEMENT		
ASPHALT PAVEMENT		

AS-BUILT ELEVATION 49.55
VERIFIED ELEVATION 49.50 ✓



PROJECT DATA

SITE MAPPING:
TOPOGRAPHIC SURVEY PREPARED BY CARTESIAN SURVEYS, INC., FEBRUARY 2012
PROPERTY ADDRESS:
3021 TODOS SANTOS STREET NW ALBUQUERQUE, NEW MEXICO 87108
LEGAL DESCRIPTION:
TRACT 12-A, VOLCANO BUSINESS PARK PHASE I
PROJECT BENCHMARK:
ACS MONUMENT "7_G9"
ELEVATION 5159.487 FEET 1988 NAVD
GROUND TO GRID FACTOR: 0.999680173
MAPPING ANGLE: -0.16 22.41
THE MONUMENT IS LOCATED AT THE INTERSECTION OF UNSER BLVD. AND ST. JOSEPH AVE., NW IN THE NW QUADRANT, ON THE CONT. TURN ISLAND AT MID POINT OF THE ARC ON THE SE NOSE OF ISLAND.



BRASHER & LORENZ
CONSULTING ENGINEERS
2201 San Pedro Blvd. NE Bldg. 1, Suite 1200
Albuquerque, New Mexico 87110
Phone: (505) 888-6088 Fax: (505) 888-6188

REVISIONS:
ADMIN. AMENDMENT
Dennis A. Lorenz
Professional Engineer
No. 9647
State of New Mexico

HORIZON ACADEMY WEST
3021 TODOS SANTOS STREET NORTHWEST
ALBUQUERQUE, NEW MEXICO 87120

22425 NORTH 16TH STREET
PHOENIX, ARIZONA 85024
TEL 602-272-2000
FAX 602-298-2000
This document, its ideas and designs, incorporated herein as an instrument of service, is the property of Brasher & Lorenz Consulting Engineers, Inc. and is not to be used in whole or in part without written authorization. It is to be used only for the project and site for which it was prepared. It is not to be used for any other project or site without the written consent of Brasher & Lorenz Consulting Engineers, Inc. including the copyright therein.

PROJECT: 12514
DATE: 01-23-13
DRAWN: JMT
CONTACT: DAL
SCALE:
SHEET:

C-1

ENGINEER'S CERTIFICATION (HYDROLOGY) FOR PERMANENT CERTIFICATE OF OCCUPANCY

I, Dennis A. Lorenz, NMPE 9647, of the firm Lorenz Design & Consulting, LLC, hereby certify that this project has been graded and will drain in substantial compliance with and in accordance with the design intent of the approved plan dated 1-31-13.

The record information edited onto the original design document has been provided to me by Brian Martinez, NMPS 18374, Cartesian Surveys Inc., as supplemental data to the original topographic survey prepared by Cartesian Surveys Inc., and is true and correct to the best of my knowledge and belief. This certification is submitted in support of a request for Permanent Certificate of Occupancy.

The record information presented hereon is not necessarily complete and is 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.

