

## Biazar, Shahab

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**From:** Rodriguez, Jason T.  
**Sent:** Friday, August 09, 2013 10:41 AM  
**To:** Olson, Greg; Olson, Greg  
**Cc:** Sims, Timothy E.; Biazar, Shahab; 'hross@tlcplumbing.com'  
**Subject:** SO-19 oct.8 2008

West side medical office 4410 Irving Blvd. NW I meet with Howard Ross from TLC and looked at the penetration into the man hole and it's a pass.

If you need more let me know.

Jason C.O.A.

**Olson, Greg**

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**Olson, Greg**

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**From:** Olson, Greg  
**Sent:** Friday, August 02, 2013 3:09 PM  
**To:** 'Genny Donart'; 'Howard Ross'  
**Cc:** Bob Peterson; Joe French; Rodriguez, Jason T.; Olson, Greg; Rael, Rudy E.  
**Subject:** RE: Westside Medical - Grading Certification (File B13-D022A)  
**Attachments:** B13D022A\_approvedGnD\_SO19\_06OCT2008.pdf  
Genny, etal.,

I spoke today with Howard Ross at TLC Plumbing who is following up on the Private Storm Drain connection at this site. Mini-Work Order #599961 was issued only for the Water Authority Sanitary Sewer and Water Facility connections. It did not include any Storm Drainage work, and the Storm Drainage Improvements were not inspected under the Mini-WO process.

To close this out, we need:

1. An Excavation Permit for the "SO-19" Private Storm Drainage Improvements.
  - a. The Excavation Permit (#20130003450) taken out by TLC for Mini-WO 599961 for Water and Sewer, ONLY. It did not include the SO-19 Private Storm Drainage improvements.
  - b. A new Excavation Permit must be taken out by TLC for the SO-19 Private Storm Drain connection to the existing Manhole.
2. City Inspection and acceptance of the SO-19 Private Storm Drainage connection to the existing Storm Drainage by DMD/ Storm Drainage Maintenance personnel.  
Contact Jason Rodriguez at 857-8607 to schedule the inspection.  
Since the work has already been completed and covered by landscaping, TLC will need to be present for the inspection of the connection from the manhole interior, and **hopefully** will not need to expose the exterior of the connection.

Thanks,

*Greg Olson*  
924-3994

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**From:** Genny Donart [mailto:gennyd@iacivil.com]  
**Sent:** Thursday, August 01, 2013 4:25 PM  
**To:** Bob Peterson; Joe French  
**Cc:** Olson, Greg  
**Subject:** RE: Westside Medical - grading cert

**Good afternoon Bob & Joe,**

**For this public storm drain tap, can you please get the mini-work order, or at least the City Project Number (CPN), so that Greg Olson of City Hydrology has something he can reference to ensure that the inspection was completed.**

**I'm out of town tomorrow and Monday, so please send it directly to Mr. Olson unless you can wait until Tuesday. I've copied him on this email, and his phone # is 924-3994.**

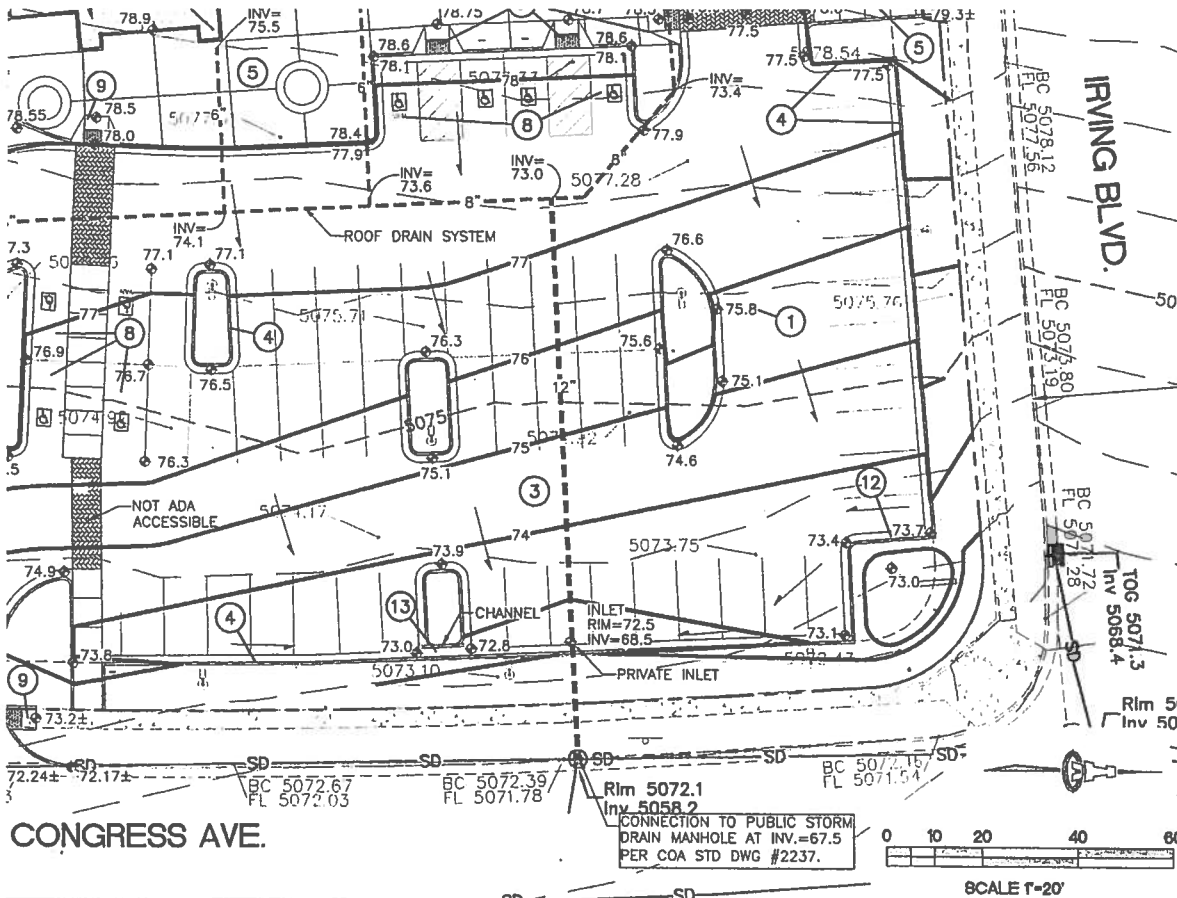
**Genny Donart, P.E.**  
**Registered Engineer**



**Isaacson & Arfman, P.A.**

Consulting Engineering Associates  
128 Monroe St. N.E.  
Albuquerque, NM 87108  
Phone: (505)268-8828  
Fax: (505)268-2632  
[gennyd@iacivil.com](mailto:gennyd@iacivil.com)

8/2/2013



EXISTING PUBLIC STORM DRAIN EASEMENT 1 AVENUE PUBLIC STORM DRAIN SYSTEM. NO FLOW AFFECTS THIS PROPERTY.

FLOOD HAZARD: PER BERNALILLO COUNTY I SITE IS LOCATED WITHIN FLOODZONE 'X' DE DETERMINED TO BE OUTSIDE 500-YEAR FLC

DRAINAGE PLAN CONCEPT:

THIS SITE WAS INCLUDED AS PART OF SSD ORIGINALLY PLANNED FOR MULTI-FAMILY RE 226, THE CALCULATED SITE DISCHARGE WA TREATMENTS OF 10% B, 10% C AND 80% D ALLOWABLE DISCHARGE OF 6.7 CFS.

THE F.F. ELEVATION OF 5078.9 FOR THE PI BASED ON AN 8% PAVEMENT SLOPE FROM CONGRESS BLVD. FLOWLINE TO THE BUILDING

A SECOND RETAINING WALL (DESIGN BY OTI NORTH AND EAST PROPERTY LINES WILL BE TO 5' HIGH) TO ACHIEVE THE REQUIRED GR

ALL SITE DISCHARGE WILL FREE DISCHARGE APPROXIMATELY 30% WILL DRAIN OUT THE P DRIVE TO TRAVEL A SHORT DISTANCE EAST EXISTING STORM DRAIN SYSTEM. THE REMAI CAPTURED IN A PRIVATE STORM DRAIN SYS DIRECTLY INTO AN EXISTING STORM DRAIN I

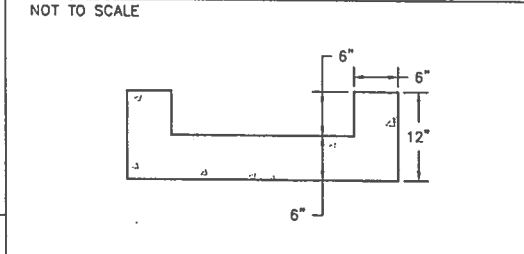
### GENERAL NOTES

- COORDINATE WORK WITH SITE PLAN, UT LANDSCAPING PLAN.
- ALL TRASH, DEBRIS, & SURFACE VEGET CLEARED AND LEGALLY DISPOSED OF
- ALL SUBGRADE, OVEREXCAVATION, AND AND / OR COMPACTED PER THE GEOTE CITY OF ALBUQUERQUE SPECIFICATIONS.
- FINAL GRADES SHOWN REPRESENT TOP (I.E. TOP OF CONCRETE, TOP OF CONC OF PAVEMENT MATERIAL, TOP OF LAND ETC.). CONTRACTOR SHALL GRADE, CON DETERMINE EARTHWORK ESTIMATES BAS SHOWN MINUS FINISH MATERIAL THICKNI
- MAXIMUM SLOPES SHALL BE 3:1. MINIM 1% UNLESS OTHERWISE NOTED.
- EXISTING UTILITY LINES ARE SHOWN IN MANNER ONLY AND MAY BE INCOMPLETE LINES MAY OR MAY NOT EXIST WHERE ALL UTILITIES SHOULD BE FIELD VERIFIED CONTRACTOR PRIOR TO COMMENCEMENT CONSTRUCTION. THE CONTRACTOR IS FI ANY AND ALL DAMAGE CAUSED BY ITS IDENTIFY AND PRESERVE ANY AND ALL PIPELINES, AND UNDERGROUND UTILITY
- THE ENVIRONMENTAL PROTECTION AGEN ALBUQUERQUE REQUIRE A STORM WATE PREVENTION PLAN (SWPPP) FOR PROJE CONSTRUCTION ACTIVITIES (INCLUDING C ACTIVITIES) DISTURB ONE ACRE OR MOI SWPPP MUST BE INCLUDED WITH THE C FOR A ROUGH GRADING, GRADING, PAV THE SWPPP MUST BE IN PDF OR US W
- ADJUST RIMS OF EXISTING UTILITY FEAT TO MATCH NEW GRADES, TYPICAL.
- ALL NEW PAVEMENT SURFACES SHALL POSITIVE SLOPE AWAY FROM BUILDINGS TOWARD EXISTING AND/OR PROPOSED I NEW GRADES ARE SHOWN AS 'MATCH' SHALL BE SMOOTH AND LEVEL.
- ALL FRACTURED FACE ROCK (F.F. ROCK) ANGULAR FACED ROCK PLACED OVER C GEOTEXTILE (O.E.). NOTE: PERMANENT MATERIAL (LANDLOK TRM 450 O.E.) MA ALL AREAS REFERENCING F.F. ROCK ER
- SIDESLOPES STEEPER THAN 3:1 BUT LE HAVE PERMANENT EROSION CONTROL (I TRM 450 O.E.) INSTALLED, TYPICAL N STEEPER THAN 2:1.
- OWNER SHALL MAINTAIN EROSION PROT OWNER SHALL INSPECT SITE YEARLY AI RAINFALL TO IDENTIFY NEW AREAS OF ADDITIONAL EROSION PROTECTION AS A ACTUAL OCCURRENCES.

### DRAINAGE CALCULATIONS

CALCULATIONS: 1659 - WEST SIDE MEDICAL OFFICE : April 23, 2008			
Drainage Design Criteria for City of Albuquerque Section 22.2, DPM, Vol 2, dated Jan., 1993			
ON-SITE			
Site	73429	SF	= 1.69 Ac.
ABLE DISCHARGE			
c Historic Land Condition			
ca a =	0	SF	
ca b =	7343	SF	
ca c =	7343	SF	
ca d =	58743	SF	
Area =	73429	SF	
DEVELOPED FLOWS:			
On-Site Developed Land Condition			
Area a =	0	SF	
Area b =	3671	SF	
Area c =	7343	SF	
Area d =	62415	SF	
Total Area =	73429	SF	
EXCESS PRECIP:			
Precip. Zone 1			
Ea =	0.44		
Eb =	0.67		
Ec =	0.99		
Ed =	1.97		
Weighted Excess Precipitation (100-Year, 6-Hour Storm)			
Weighted E =	$\frac{EaAa + EbAb + EcAc + EdAd}{Aa + Ab + Ac + Ad}$		
=	1.74 in.	Developed E =	1.81 in
Volume of Runoff: V360 = E*A / 12			
=	10659 CF	Developed V360 =	11057 CF
Peak Discharge Rate: $Qp = QpaAa + QpbAb + QpcAc + QpdAd / 43.560$			
Precipitation Zone 1			
Qpa =	1.29	Qpc =	2.87
Qbb =	2.03	Qpd =	4.37
=	6.7 CFS	Developed Qp =	6.9 CFS

### 'U' SHAPED CONCRETE CHANNEL



### S.O.19 : NOTICE TO CONTRACTORS

1	AN EXCAVATION / CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN THE CITY RIGHT-OF-WAY.	
2	ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS REVISED THROUGH UPDATE #7 AMENDMENT 1.	
3	TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.	
4	PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL 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 THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.	
7	WORK ON ARTERIAL STREETS SHALL BE PERFORMED ON A 24-HOUR BASIS.	
APPROVAL	NAME	DATE
INSPECTOR		

B13-D022A