

S500
11/20

CITY OF SAN DIEGO
MEMORANDUM

DATE: November 16, 2007

TO: Honorable Mayor Jerry Sanders

FROM: Patti Boekamp, Engineering & Capital Projects Director via David Jarrell, Interim Deputy Chief Operating Officer 

SUBJECT: Necessary Abatement Actions due to an Imminent Threat to Public Health & Safety in the Area of the October 3, 2007 Mount Soledad Landslide

We have received additional information and reports from the staff and consultant assessing and working on the landslide on Mount Soledad which occurred on October 3, 2007. The reports and information outline the imminent threat posed by the soil mass to people and properties in the vicinity of the landslide. The recommendations necessitate emergency abatement of private property in order to take the necessary actions to protect the public health, safety, and welfare arising from the imminent threat analyzed in their reports. I am forwarding this information to you so that we may take the unfortunate, but necessary, immediate actions to provide protection in this area due to the advent of winter.


Patti Boekamp
Director
Engineering & Capital Projects

cc: Jay Goldstone, Chief Operating Officer



THE CITY OF SAN DIEGO
MAYOR JERRY SANDERS

MEMORANDUM

DATE: November 16, 2007

TO: Patti Boekamp, Engineering and Capital Projects Department Director

FROM: Robert N. Hawk, PE, Deputy City Engineer, Senior Engineering Geologist

SUBJECT: Abatement of Imminent Hazard of Slope Failure, Minimal Stabilization of Landslide Debris for Winterization, 5695, 5703, 5715, 5725, and 5735 Soledad Mountain Road, and 5706, 5720, 5734, and 5748 Desert View Drive.

As you are aware, City forces and consultants have been investigating the landslide on Soledad Mountain Road since the failure on October 3, 2007. Following the failure, the landslide came to rest in a quasi-stable condition. Although emergency stabilization in the form of shear pins has been added to Soledad Mountain Road to prevent further movement of the street, the body of landslide has not been graded or modified. During the month since October 3, necessary work has been performed to collect geotechnical and geologic information needed to characterize the site conditions for design, and to reduce the potential for additional damage during remedial efforts. The existing landslide mass is inherently unstable, and is perched above several other homes on Desert View Drive.

The landslide mass is comprised of loose and disturbed soil, and crushed and fractured Ardath Shale, with open fissures penetrating deeply into the landslide mass. This loose material is underlain by a weak clay layer that formed the base or "sole" of the landslide mass. This loose material would rapidly accept any incident water from heavy rainfall or runoff, potentially mobilizing a massive debris flow. Inspection of subsurface borings performed as of this date indicates that the landslide failed under relatively dry conditions. Large amounts of water rapidly introduced by heavy rainfall or runoff into the open fractures could cause a rapid increase in pore pressure, which would likely result in rapid downslope movement of the landslide mass. An additional potential cause of catastrophic movement includes seismic activity from several local faults.

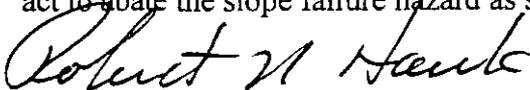
In addition, subsurface investigation revealed additional adverse geologic structure underlying property immediately adjacent to the existing landslide. A catastrophic reactivation of the active landslide could trigger additional failure in currently undisturbed areas.

It is my professional opinion based on the surface and subsurface site conditions observed to date, as well as the urgency created by the short period of time remaining before the rainy season, that increased potential for a catastrophic failure exists which would constitute an imminent hazard to homes adjacent to, and downslope of the existing landslide, and constitutes an imminent life safety hazard that requires immediate correction. The potentially affected areas are shown in the attached figure (Potential Debris Flow/Landslide Impact Area).

The City's geotechnical consultant, Helenschmidt Geotechnical, has gathered sufficient data to produce a preliminary plan to reduce the instability of the slide mass which would eliminate, or greatly reduce, the immediacy and magnitude of the hazard threatening the adjacent downslope properties. The plan would require removal off-site of approximately 20,000 cubic yards of earth from the landslide mass, and a reduction in the slope angle from approximately 1.5:1 (Horizontal to Vertical) to 3:1 or flatter. To effectuate this plan, it is necessary to raze four homes which have already been rendered uninhabitable by the landslide located at 5695, 5703, 5715, and 5725 Soledad Mountain Road in order to gain access to the landslide mass. The plan also requires removal of landslide mass from the properties located at 5735 Soledad Mountain Road and 5706, 5720, 5734, and 5748 Desert View Drive.

This plan represents the minimum necessary emergency repair needed to prevent further collapse and to remove the hazard to the general public. It should be noted that this emergency repair is the minimum necessary to abate the imminent hazard, and would not result in a permanent slope repair under the City of San Diego Grading Code or accepted engineering practice. A schematic of the proposed repair is shown in the attached figures under "Slope Winterization".

Affected properties are listed by address, and are shown on the Site Plan. I recommend that we act to abate the slope failure hazard as soon as possible.



Robert N. Hawk, PE
Deputy City Engineer
Senior Engineering Geologist

- Attachments:
1. Soledad IC Un-Occupiable Structure
 2. Soledad Mtn. Landslide Repair Site Plan
 3. Soledad Mtn. Landslide Repair Potential Debris Flow/Landslide Impact Area
 4. Soledad Mtn. Landslide Repair Slope Winterization(Temp.Stabilization)

Soledad IC Un-Occupiable Structures

Legend

- EvacArea_Address
- 40 Foot Contours
- Parcels100907_1400**
- Structure Status**
- Now Yellow
- Now Open
- Hazard Properties
- Caution Zone
- No Road Access
- Adjacents
- Sewer
- Utilities
- FireStations
- Freeways
- Roads
- Rivers

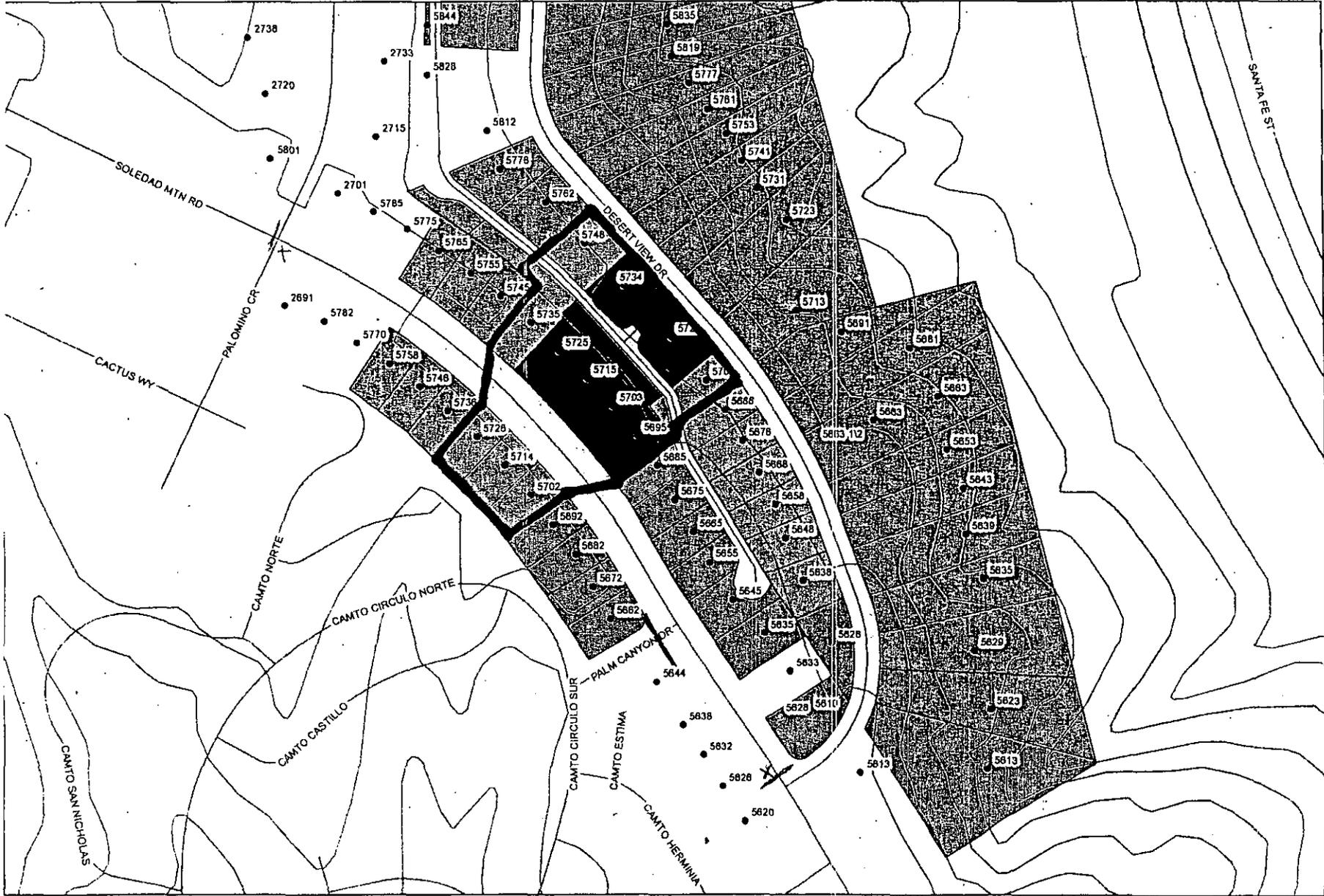


City of San Diego
Fire-Rescue



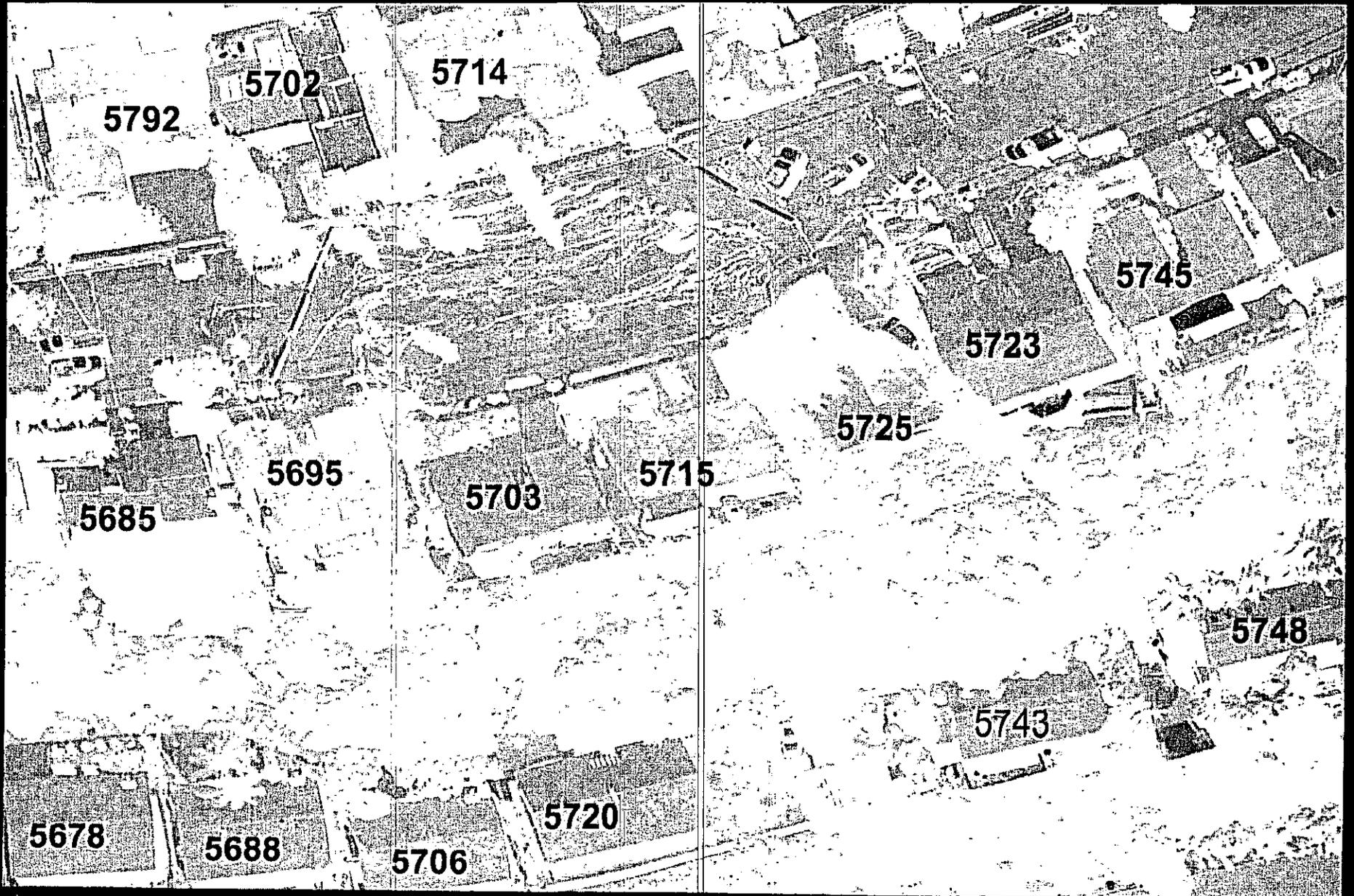
10/09/07 1400

0 75 150 Feet



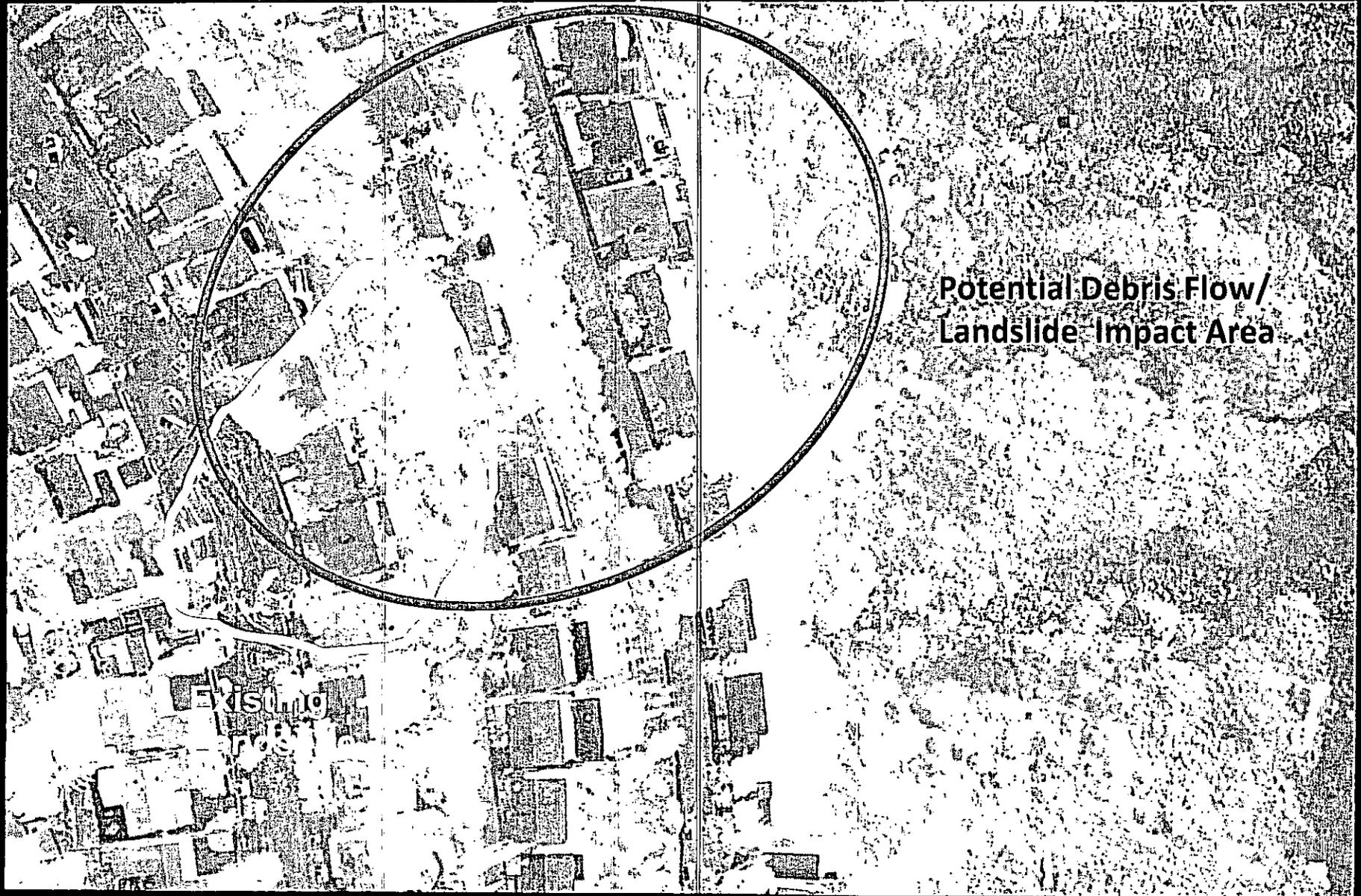
Soledad Mtn. Landslide Repair

Site Plan



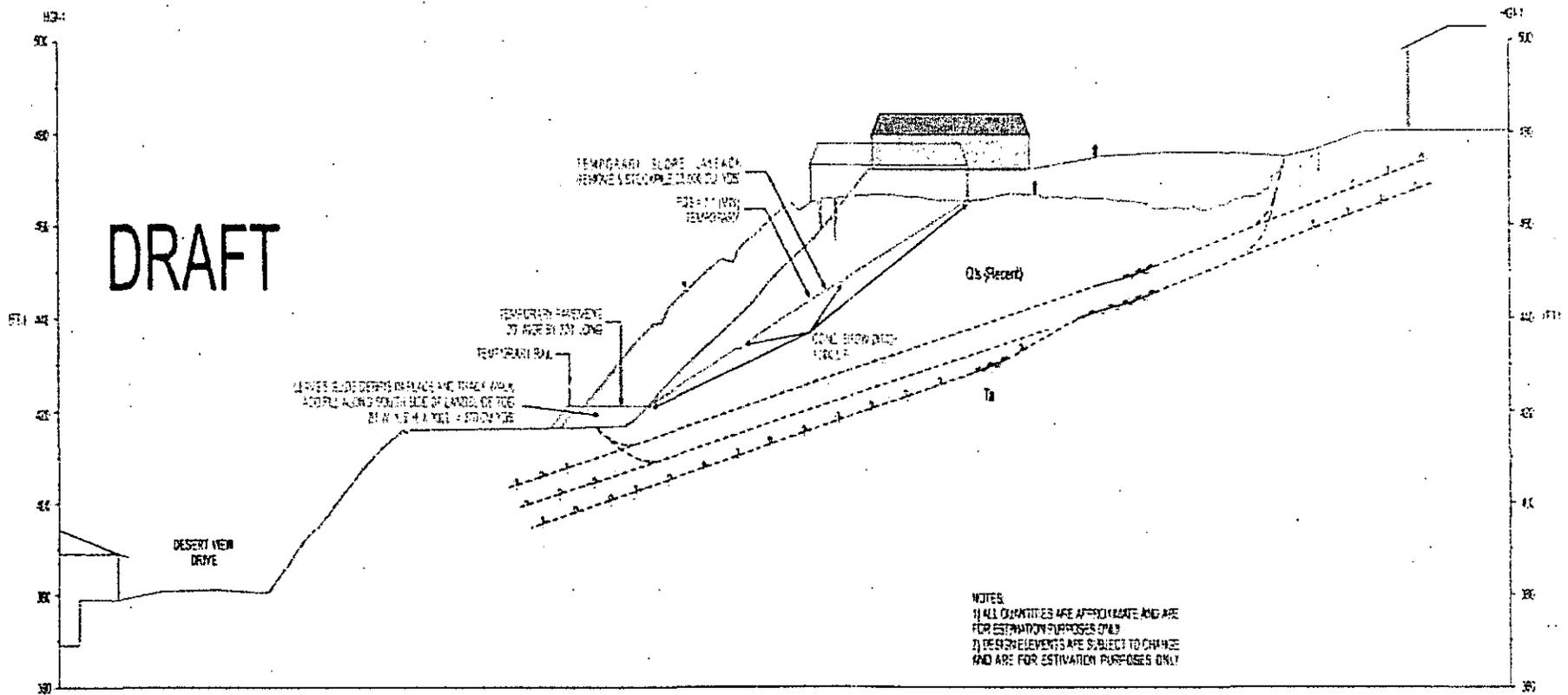
Soledad Mtn. Landslide Repair

Potential Debris Flow/Landslide Impact Area



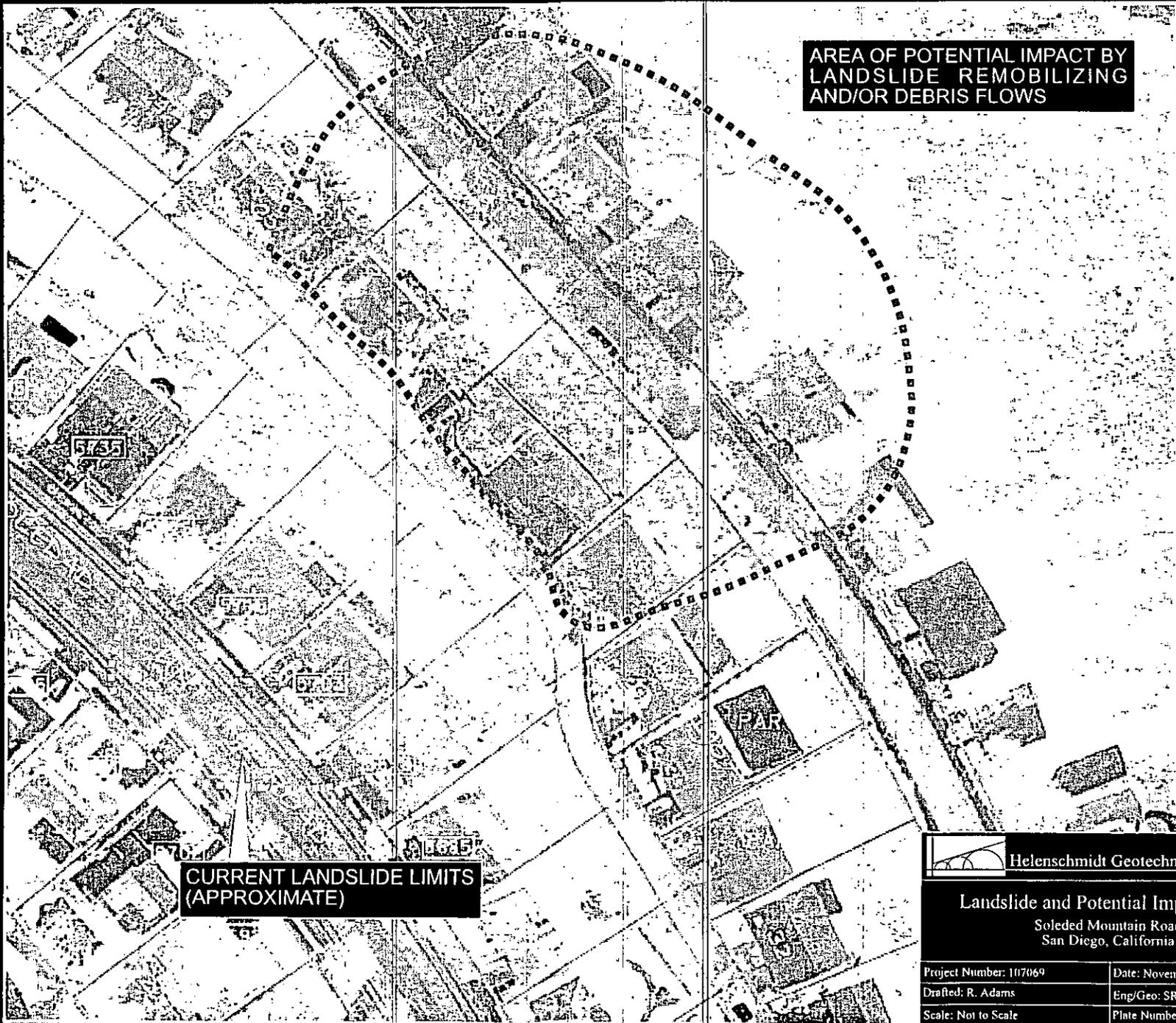
Soledad Mtn. Landslide Repair

Slope Winterization (Temp. Stabilization)



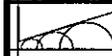
↑ N 48 E
 SCALE: 1" = 20' (H = V)

PRELIMINARY: NOT FOR CONSTRUCTION



AREA OF POTENTIAL IMPACT BY
LANDSLIDE REMOBILIZING
AND/OR DEBRIS FLOWS

CURRENT LANDSLIDE LIMITS
(APPROXIMATE)



Helenschmidt Geotechnical, Inc.

Landslide and Potential Impact Areas

Soledad Mountain Road
San Diego, California

Project Number: 107069

Date: November 2007

Drafted: R. Adams

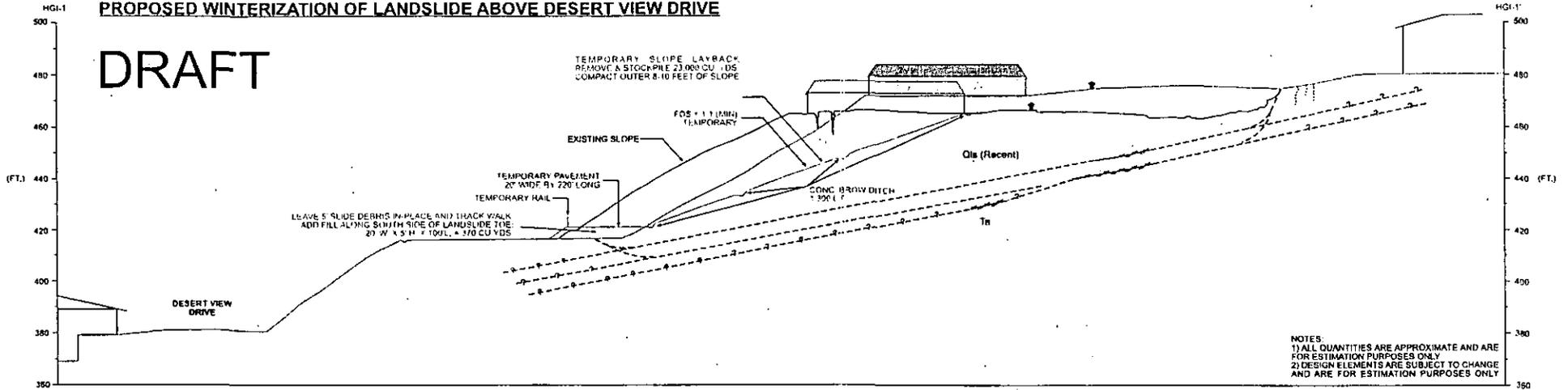
Eng/Geo: SRJ/RSA

Scale: Not to Scale

Plate Number: 1

PROPOSED WINTERIZATION OF LANDSLIDE ABOVE DESERT VIEW DRIVE

DRAFT



NOTES:
 1) ALL QUANTITIES ARE APPROXIMATE AND ARE FOR ESTIMATION PURPOSES ONLY
 2) DESIGN ELEMENTS ARE SUBJECT TO CHANGE AND ARE FOR ESTIMATION PURPOSES ONLY

N48E
 SCALE 1" = 20' (H = V)

PRELIMINARY: NOT FOR CONSTRUCTION

Helmerich & Smith Geotechnical, Inc.	
Proposed Winterization of Landslide Above Desert View Drive Sahara Boulevard Road Landslide San Diego, California	
Project Number: 1812007	Date: November 2007
Project #: 1812007	Log Code: 2814 2551
Scale: 1 inch = 20 feet	Plan Number: 1

REQUEST FOR COUNCIL ACTION
CITY OF SAN DIEGO

1. CERTIFICATE NUMBER
(FOR AUDITOR'S USE ONLY)

TO: CITY ATTORNEY
2. FROM (ORIGINATING DEPARTMENT): Engineering and Capital Projects
3. DATE: 11/16/07

4. SUBJECT: Mount Soledad October 3, 2007 Landslide - Summary Abatement of Properties

5. PRIMARY CONTACT (NAME, PHONE & MAIL STA.): Patti Boekamp 619-236-6274 MS9B
6. SECONDARY CONTACT (NAME, PHONE & MAIL STA.): Jamal Batta 619-533-3769 MS611
7. CHECK BOX IF REPORT TO COUNCIL IS ATTACHED

8. COMPLETE FOR ACCOUNTING PURPOSES

FUND					9. ADDITIONAL INFORMATION / ESTIMATED COST: None with this action
DEPT.					
ORGANIZATION					
OBJECT ACCOUNT					
JOB ORDER					
C.I.P. NUMBER					
AMOUNT					

10. ROUTING AND APPROVALS

ROUTE (#)	APPROVING AUTHORITY	APPROVAL SIGNATURE	DATE SIGNED	ROUTE (#)	APPROVING AUTHORITY	APPROVAL SIGNATURE	DATE SIGNED
1	ORIGINATING DEPARTMENT	<i>[Signature]</i>	11/16/07	8	DEPUTY CHIEF	<i>[Signature]</i>	11/16/07
2				9	COO	<i>[Signature]</i>	11/16/07
3	EAS	<i>[Signature]</i>	11/16/07	10	CITY ATTORNEY	<i>[Signature]</i>	11/16/07
4	LIAISON OFFICE	<i>[Signature]</i>	11/16/07	11	ORIGINATING DEPARTMENT		
5				DOCKET COORD: _____ COUNCIL LIAISON: _____			
6				✓	COUNCIL PRESIDENT <input type="checkbox"/> SPOB <input type="checkbox"/> CONSENT <input type="checkbox"/> ADOPTION <input checked="" type="checkbox"/>		
7					REFER TO: _____ COUNCIL DATE: 11/20		

11. PREPARATION OF: RESOLUTION(S) ORDINANCE(S) AGREEMENT(S) DEED(S)

1. Resolution approving the summary abatement of an imminent threat to the public health, safety, and welfare existing in the vicinity of the October 3, 2007 Mount Soledad Landslide

11A. STAFF RECOMMENDATIONS:

12. SPECIAL CONDITIONS:

COUNCIL DISTRICT(S): 2

COMMUNITY AREA(S): Pacific Beach

ENVIRONMENTAL IMPACT: THIS ACTIVITY IS STATUTORILY EXEMPT FROM CEQA PURSUANT TO STATE CEQA Guidelines, Section 15269 (EMERGENCY PROJECTS).

HOUSING IMPACT:

OTHER ISSUES: Attachments

STATEMENT OF QUALIFICATIONS FOR
ROBERT N. HAWK

PROFESSIONAL HISTORY

- 1989 - Present: City of San Diego
Senior Engineering Geologist/Deputy City Engineer
- 1988 - 1989: Group Delta Consultants, Inc.; San Diego, CA
Senior Geologist
- 1981 - 1988: Moore & Taber; Anaheim, CA
Project Engineering Geologist
- 1981: Hydro-Search, Inc.; Reno, NV.
Staff Hydrogeologist

Mr. Hawk has experience with a variety of geotechnical projects in the Southern California area. He has participated in or managed preliminary geotechnical investigations and in-construction review for conventional and hillside residential and commercial development in Los Angeles, Orange, and San Diego Counties, as well as highway bridges in Imperial County. As a private geotechnical consultant, he has also managed or performed forensic geotechnical investigations throughout Southern California to determine the cause(s) of earth movement or other geotechnical phenomena affecting structures, hillsides, and to provide remedial stabilizing measures.

Prior to his current assignment to Engineering and Capital Projects, he was the Senior Engineering Geologist with Development Services Department of the City of San Diego. His duties included reviewing all geologic reports submitted to the Land Development Division, and administration of sand and gravel mining within the City. He performed or supervised all review of geotechnical reports submitted for discretionary review, land development, & grading. Prior to his assignment to the Land Development Division, he was the Senior Engineering Geologist for the Building Inspection Department. He is currently assigned to the Field Division of Engineering and Capital projects under the City Engineer for project closeout to insure implementation of geotechnical recommendations on private projects, and to provide technical support for proposed and on-going projects or pending and active litigation. He also evaluates geotechnical conditions affecting construction of City projects, existing infrastructure, and adjacent private improvements and provides recommendations for investigation and correction.

EDUCATION

San Diego State University;
Bachelor of Science in Engineering Geology, 1980
Master of Science in Hydrogeology, 1993

California State University, Long Beach; graduate study in Civil Engineering, 1982 - 1987

PROFESSIONAL REGISTRATION

Registered Geologist: California R.G. 4160
Certified Engineering Geologist: California C.E.G No. 1299
Certified Hydrogeologist: California; C.H.G. No. 65
Registered Civil Engineer: California R.C.E No. 42231

STANLEY HELENSCHMIDT

Principal Geotechnical Engineer

Registration

Registered Geotechnical Engineer, California
Registered Civil Engineer, California
Registered Professional Engineer, Colorado and Utah

Education

B.S., Civil Engineering, San Diego State University, San Diego, California, 1980

Representative Experience

Mr. Helenschmidt serves as Principal Geotechnical Engineer of Helenschmidt Geotechnical Inc.'s office located in Carlsbad, California. His responsibilities include oversight of all geotechnical projects, geotechnical analysis and preparation of reports, plans and specifications.

Mr. Helenschmidt has over 27 years of experience in the field of geotechnical engineering. He has managed geotechnical investigations for residential, municipal, commercial and military developments. Typical projects have included analysis of earthquake induced liquefaction potential, analysis of expansive soil behavior, settlement analysis of fill and natural soils and geotechnical supervision of large grading projects.

Mr. Helenschmidt's background includes a strong emphasis in slope stability analysis and development of slope stabilization measures. Notable California landslide projects which he has managed and designed mitigation plans for include the Jackson Drive Stabilization Project in San Diego, Desert View Drive Stabilization Project in San Diego, Area H Geotechnical Study and Landslide Mitigation in Laguna Niguel, Lusk Marblehead Coastal Bluff Repair in San Clemente, Fletcher Hills Highlands Debris Flows in El Cajon and emergency slope stabilization projects in the Cities of San Diego and Pacifica. Mr. Helenschmidt has extensive experience in computer modeling of landslides and slope stability and development of repair recommendations including installation of earthen buttresses, dewatering systems and shear-pins. He has also developed and supervised field monitoring programs for landslides utilizing slope inclinometers and extensometers.

Mr. Helenschmidt's waterfront projects include stabilization of a bulkhead seawall in Coronado, California; foundation design for the Amphibian Vehicle Test Center, Camp Pendleton; seawall foundation design at Scripps Institution of Oceanography, San Diego; seismic hazard analysis and foundation design for Dana Landing Marina, Mission Bay, San Diego; investigation for the San Elijo Ocean Outfall, Encinitas; and peer review of the proposed Portuguese Bend Landslide Stabilization, Rancho Palos Verdes.

Mr. Helenschmidt has performed numerous assignments as a geotechnical peer reviewer. He has performed geotechnical peer review for residential and commercial developments involving complex geotechnical issues in the City of San Juan Capistrano. He also serves as geotechnical peer reviewer for the City of Rancho Palos Verdes. In 2005, Mr. Helenschmidt served as chairman of a City of Rancho Palos Verdes Geotechnical Board of Appeals. Mr. Helenschmidt currently serves as a Subject Matter Expert for Engineering Licensure Examinations for the State of California Geotechnical Engineers Board of Registration.

Mr. Helenschmidt's areas of expertise include:

Foundation Design

Slope Stability Analysis

Expansive Soil Mitigation

Retaining Wall Design

Grading Design and Supervision

Pavement Design

Roadway Alignment Studies

Bluff Stabilization

Liquefaction Analysis

Compacted Fill Behavior

STANLEY HELENSCHMIDT

Professional History

Principal Geotechnical Engineer, 2004-present, Helenschmidt Geotechnical Inc., Carlsbad, California

Managing Geotechnical Engineer, 1996-2004, Cotton Shires and Associates, Inc., Carlsbad, California

Manager/Chief Geotechnical Engineer, 1995-1996, MTI GEO, Glenwood Springs, Colorado

Manager/Chief Geotechnical Engineer, 1993-1995, Huntingdon/Chen-Northern, Inc., Glenwood Springs, Colorado

Managing Principal/Vice President, 1991-1993, Leighton and Associates, Inc., San Diego, California

Manager/Chief Geotechnical Engineer, 1986-1991, Leighton and Associates, Inc., Carlsbad, California

Technician through Project Engineer, 1979-1986, Leighton and Associates, Inc., San Diego, California

Professional Affiliations

American Society of Civil Engineers

Society of American Military Engineers

American Public Works Association

Structural Engineers Association of California

International Concrete Repair Institute



Patti Boekamp, Director
Engineering and Capital Projects Department:
City of San Diego
1010 Second Ave
San Diego, CA 92101-4905

SUBJECT: Recommended Winterization Measures
RE: Soledad Mountain Road Landslide, La Jolla, California

Dear Ms. Boekamp:

Helenschmidt Geotechnical, Inc. has been retained by the City of San Diego to develop geotechnical repair recommendations for the recent landslide at Soledad Mountain Road in San Diego. Geotechnical investigation and analyses following the catastrophic landslide of October 3, 2007 are ongoing. The purposes of our investigation and analyses are to characterize geologic and geotechnical features related to recent landsliding on the descending slope from Soledad Mountain Road to Desert View Drive Alley, define the current level of slope stability, and to develop a mitigation plan for slope repair for support of Soledad Mountain Road and Desert View Drive Alley.

The recent landslide encompasses a portion of Soledad Mountain Road, private properties at 5695 to 5735 Soledad Mountain Road and 5706 to 5748 Desert View Drive (alley). The surface features of the landslide include a down dropped ground surface in Soledad Mountain Road and the aforementioned Soledad Mountain Road private properties, lateral extension of the previous east facing slope of 20 feet or more (burying a portion of Desert View Drive alley and the front of the residence at 5734 Desert View Drive), extensive ground cracking (open fissures) and severely disrupted topography.

Our geotechnical services thus far have included: review of relevant geologic and geotechnical data; preparation of a topographic survey (by the City); field mapping of distress features; excavation and logging of large and small diameter borings; excavation and logging of hand excavated and backhoe trenches; installation and monitoring of inclinometer casings; laboratory testing; communication with the City of San Diego; geotechnical analysis; and preparation of temporary shoring plans for the west side of Soledad Mountain Road. We now have sufficient data to provide a preliminary evaluation of the stability of the current landslide and possible impacts to adjacent properties and public safety.

The factor of safety for slope stability is defined as the ratio of the sum of forces resisting slope movement to the sum of forces driving slope movement. When this ratio is less than one the slope begins to move. The results of our investigation and inclinometer monitoring indicate that the landslide mass currently has a factor of safety of approximately one and has a high potential for remobilization if subjected to significant rainfall infiltration.

Due to the presence of open fissures in the slope face within the landslide mass, infiltration of rainfall will rapidly occur adversely affecting the stability of the landslide. Remobilization of the landslide would surcharge potentially unstable soil materials downslope of the current toe of landslide and increase the potential for further slope failures of the downslope properties. In

addition, saturation of the loose and over steepened surface soils within the landslide could initiate debris flows impacting downslope properties along Desert View Drive alley and lower Desert View Drive. The limits of the current landslide and the potential affected properties are delineated on Plate 1. The current landslide configuration and potential adverse affects pose a significant risk to public safety and properties. Accordingly, we have proposed a winterization plan that incorporates removing a portion of the landslide debris, flattening the existing slope to an approximate 3 to 1 (horizontal to vertical) slope or flatter, recompaction of a portion of the surface soils and installation of surface drainage features. These measures should significantly reduce potential rainfall infiltration and result in a temporary factor of safety of 1.1 or greater.

Based on the results of our geotechnical investigation and analyses to date, we have concluded that there is no practical way to provide temporary abatement of the aforementioned hazards without accessing the private properties within the landslide limits. Consequently, the proposed slope layback and grading will require removal of homes destroyed by the landslide along Soledad Mountain Road. We recommend that these measures be implemented immediately to reduce potential hazards during the current rainy season. A conceptual winterization plan is shown on Figure 2. It is our opinion that these measures constitute the minimum work necessary to temporarily reduce the threat to the subject properties and public safety.

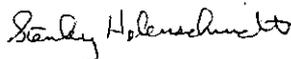
It is recognized that this portion of Mount Soledad is underlain by numerous landslides and shear zones. The proposed winterization measures that we have proposed are provided as a temporary mitigation of current conditions and are not intended as a permanent repair. These measures provide an improvement over current adverse geotechnical conditions but will not provide sufficient long term protection for properties or improvements nor will they protect against all unforeseen occurrences. It is expected that these measures will be followed by future long-term stabilization efforts.

LIMITATIONS

We use the degree of care and skill ordinarily exercised under similar circumstances by members of our profession in performing our services. No warranty, express or implied, is made or intended by our proposal for consulting services, by our furnishing oral or written reports, or by our inspection or work.

We appreciate the opportunity to be of continued service. If you have any questions regarding the above, please call at your earliest convenience.

Very truly yours,
Helenschmidt Geotechnical, Inc.



Stanley Helenschmidt
Principal Geotechnical Engineer
GE 2064 (exp. 6-30-08)

RESOLUTION NUMBER R-_____

DATE OF FINAL PASSAGE _____

A RESOLUTION APPROVING THE SUMMARY ABATEMENT
OF AN IMMINENT THREAT TO THE PUBLIC HEALTH,
SAFETY AND WELFARE EXISTING IN THE VICINITY OF
SOLEDAD MOUNTAIN ROAD

WHEREAS, on October 3, 2007, a landslide occurred in the 5600 and 5700 blocks of Soledad Mountain Road; and

WHEREAS, on October 3, 2007, the Mayor proclaimed a State of Local Emergency as authorized by Section 51.0106 of the Municipal Code; and

WHEREAS, the Council of the City of San Diego ("City Council") at its meeting of October 4, 2007 passed Resolution Number R-303041 ratifying the Mayor's declaration of a State of Local Emergency and resolved that pursuant to California Government Code section 8630, a State of Local Emergency exists in the City of San Diego ("City") due to the landslide on Soledad Mountain Road; and

WHEREAS, Resolution Number R-303041 authorized, in part, the Mayor to "execute all necessary contracts for the stabilization of the landslide;" and

WHEREAS, the City Council at its meeting of October 16, 2007 heard and passed Resolution Number R-303086 declaring a continued State of Emergency to persist relative to the landslide on Mount Soledad, and such Resolution was made final on November 11, 2007 and the Council again declared a continued State of Emergency at its meeting of November 13, 2007; and

WHEREAS, Resolution Number R-303086 found that "the landslide continues to pose the possibility of peril to persons or property until remedial action is completed to stabilize the landslide and repair the affected property," and that the City was

“undertaking measures to determine and implement remedial action to stabilize and repair the property affected by the landslide;” and

WHEREAS, Resolution Number R-303086 resolved, in part, that the measures previously authorized by Resolution Number R-303041 “shall continue to have full force and effect;” and

WHEREAS, on October 8, 2007, pursuant to Government Code section 8558(b), the Governor of the State of California issued a proclamation declaring a State of Emergency to exist within the City based on conditions of extreme peril to the safety of persons and property due to the landslide on Mount Soledad; and

WHEREAS, the City has undertaken and continues to undertake measures to determine and implement remedial action to stabilize the property affected by the landslide; and

WHEREAS, the City Council has received written and oral evidence from qualified City staff and independent engineering consultants hired to determine and implement remedial stabilizing action, that a portion of Mount Soledad impacted by the landslide poses an imminent threat to the public health, safety and welfare, especially to persons and property in the vicinity of the landslide, and immediate action is required to abate that threat; and

WHEREAS, the expert reports and testimony received by the City Council advise that the minimum level of correction or abatement necessary to eliminate the imminent threat to the public health, safety and welfare is the “winterization” of a portion of the slope impacted by the landslide, and that this “winterization” process will include by necessity: (1) the razing of four homes, already rendered uninhabitable by the landslide,

located at 5695, 5703, 5715, and 5725 Soledad Mountain Road, and the subsequent soil removal and grading of these properties, and (2) soil removal and grading of portions of the properties located at 5735 Soledad Mountain Road, and 5720, 5734, and 5748 Desert View Drive; and

WHEREAS, the condition of the properties listed herein represent a public nuisance in that they each constitute a threat to the public's health, safety and welfare, and significantly obstruct, injure and interfere with the reasonable and free use of property in a neighborhood, community and to a considerable number of persons; and

WHEREAS, Division 7 of Article 2 of Chapter 1 of the San Diego Municipal Code provides authority for the City to summarily abate a public nuisance when there exists an imminent life safety hazard that requires immediate correction or elimination, including the razing and grading of portions of a building or site to prevent further collapse, and the removal of any hazard to the general public; and

WHEREAS, pursuant to the police power exercisable under the federal and state constitutions, and the City Charter, the City has the authority to act to protect and promote the public health, safety and welfare of its citizens; NOW, THEREFORE,

BE IT RESOLVED, by the Council of the City of San Diego that the recommendation of the Director and the Mayor to summarily abate the public nuisance which has created a situation of imminent peril to public health, safety and welfare is hereby approved.

BE IT FURTHER RESOLVED, that the assessment and recovery of costs incurred by the City during the summary abatement process are not waived but are deferred until such time as the cause of the landslide has been determined.

BE IT FURTHER RESOLVED, that the Mayor is hereby authorized to take any additional action which may become necessary or appropriate to eliminate any imminent life safety hazard as a result of the landslide.

APPROVED: MICHAEL J. AGUIRRE, City Attorney

By _____
Deputy City Attorney

I hereby certify that the foregoing resolution was passed by the Council of the City of San Diego, at its meeting of _____.

ELIZABETH S. MALAND, City Clerk

By _____
Deputy City Clerk

Approved: _____
(date)

JERRY SANDERS, Mayor

Vetoed: _____
(date)

JERRY SANDERS, Mayor