City of San Jose
Public Works - Development Services Division
Imaging Index Cover Sheet

AMANDA FOLDER NO. **07-037506 GR** (Example: 02-035156 **RV**)

AMANDA ROW ID (aka FolderRSN) **1290824** (Example: 933851)

3 DASH FILE NO. **3-10584** TRACT NO. (If applicable)

Prepared By **Joshua Kenton** Date **03/05/08**

Category	Document Type	Sub Document Type
■ PL Plans	☐ IP Improvement Plan	☐ AP Approved ☐ RD Record Drawing
	■ GR Grading / Erosion Control Plan	■ AP Approved ☐ CP Completed
	☐ PS Private Street Plan	☐ AP Approved ☐ CP Completed
	☐ JT Private Utility Plan	☐ AP Approved ☐ CP Completed
	☐ OT Other	☐ AP Approved ☐ CP Completed
☐ MP Maps	☐ TR Tract Map	
	☐ PM Parcel Map	
	☐ MC Map Correction	
	☐ SV Street Vacation	
	☐ SD Separate Instrument Dedication	☐ SD Signed ☐ RC Recorded
☐ PD Permit Docs	☐ AP Approved Permit	
	☐ CP Completed Permit	
	☐ CO Correspondence	
	☐ CL Clearances	☐ GC GeoHazard Clearance ☐ FC Flood Clearance ☐ OC Other Clearance
	☐ FL Flood	☐ EC Elevation Certificate ☐ LO LOMA / LOMR
	☐ SR Soils Report	
	☐ CA Construction Agreement / Bonds	
	☐ PA Parkland Agreement	
	☐ TW Traffic Report Workscope	
	☐ TA Completed Traffic Report	
	☐ MS Miscellaneous Documents	
☐ SD Special Districts	☐ FD Formation Documents	
	☐ AD Annual Documents	
	☐ BM Boundary Map	
☐ ID Inspection Docs	☐ IR Inspection Report	
	☐ ER Erosion/Sediment Inspection	

Special Handling

☐ This is an Original Document which needs to be returned to the person above, or to _____

☐ This document needs to be forwarded to PW GIS, once imaging is complete. Updates to Basemap Sheet No. _____

STANDARD GRADING PLAN NOTES

NOTE: THIS DRAWING IS APPROVED SUBJECT TO:

1. ALL GRADING IS SUBJECT TO OBSERVATION BY THE CITY. PERMITTEE OR REPRESENTATIVE SHALL NOTIFY THE CITY OF SAN JOSE AT (408)535-3555 AT LEAST 48 HOURS BEFORE START OF ANY GRADING. THE PROJECT INSPECTOR IS GARY SANGHA, VOICEMAIL NO. (408) 998-6174.

2. APPROVAL OF THIS PLAN APPLIES ONLY TO THE EXCAVATION, PLACEMENT, AND COMPACTION OF NATURAL EARTH MATERIALS. THIS APPROVAL DOES NOT CONFER ANY RIGHTS OF ENTRY TO EITHER PUBLIC PROPERTY OR THE PRIVATE PROPERTY OF OTHERS. APPROVAL OF THIS PLAN ALSO DOES NOT CONSTITUTE APPROVAL OF ANY IMPROVEMENTS. PROPOSED IMPROVEMENTS ARE SUBJECT TO REVIEW AND APPROVAL BY THE RESPONSIBLE AUTHORITIES AND ALL OTHER REQUIRED PERMITS SHALL BE OBTAINED.

3. IT SHALL BE THE RESPONSIBILITY OF THE PERMITTEE OR AGENT TO IDENTIFY, LOCATE AND PROTECT ALL UNDERGROUND FACILITIES.

4. THE PERMITTEE OR AGENT SHALL MAINTAIN THE STREETS, SIDEWALKS AND ALL OTHER PUBLIC RIGHTS-OF-WAY IN A CLEAN, SAFE AND USABLE CONDITION. ALL SPILLS OF SOIL, ROCK OR CONSTRUCTION DEBRIS SHALL BE REMOVED FROM THE PUBLICLY OWNED PROPERTY DURING CONSTRUCTION AND UPON COMPLETION OF THE PROJECT. ALL ADJACENT PROPERTY, PRIVATE OR PUBLIC SHALL BE MAINTAINED IN A CLEAN, SAFE AND USABLE CONDITION.

5. ALL GRADING SHALL BE PERFORMED IN SUCH A MANNER AS TO COMPLY WITH THE STANDARDS ESTABLISHED BY THE AIR QUALITY MANAGEMENT DISTRICT FOR AIRBORNE PARTICULATES.

6. THIS PROJECT HAS BEEN DESIGNED TO COMPLY WITH THE FLOOD HAZARD AREA REGULATIONS AS STATED IN CHAPTER 17.08 OF THE SAN JOSE MUNICIPAL CODE.

7. ALL KNOWN WELL LOCATIONS ON THE SITE HAVE BEEN INCLUDED AND SUCH WELLS SHALL BE MAINTAINED OR ABANDONED ACCORDING TO CURRENT REGULATIONS ADMINISTERED BY THE SANTA CLARA VALLEY WATER DISTRICT. CALL (408)265-2600 EXTENSION 2660 TO ARRANGE FOR DISTRICT OBSERVATION OF ALL WELL ABANDONMENTS.

8. IN THE EVENT THAT HUMAN REMAINS AND/OR CULTURAL MATERIALS ARE FOUND, ALL PROJECT-RELATED CONSTRUCTION SHOULD CEASE WITHIN A 100-FOOT RADIUS. THE CONTRACTOR SHALL, PURSUANT TO SECTION 7050.5 OF THE HEALTH AND SAFETY CODE, AND SECTION 5097.94 OF THE PUBLIC RESOURCES CODE OF THE STATE OF CALIFORNIA, NOTIFY THE SANTA CLARA COUNTY CORONER IMMEDIATELY.

9. THIS PLAN DOES NOT APPROVE THE REMOVAL OF TREES. APPROPRIATE TREE REMOVAL PERMITS AND METHODS OF TREE PRESERVATION SHOULD BE OBTAINED FROM THE CITY PLANNING DEPARTMENT AND THE CITY ARBORIST.

10. THE CIVIL ENGINEER, RUTH AND GOING, INC., HAS DESIGNED THIS PROJECT TO COMPLY WITH THE GRADING RECOMMENDATIONS IN THE PROJECT GEOTECHNICAL REPORT, IF REQUIRED, PREPARED BY LOWNEY ASSOCIATES, DATED NOV. 16, 2005.

11. ALL GRADING SHALL CONFORM TO APPROVED SPECIFICATIONS PRESENTED HEREON OR ATTACHED HERETO. ALL GRADING WORK SHALL BE OBSERVED AND APPROVED BY THE SOIL ENGINEER. THE SOIL ENGINEER, URS, 55 S. MARKET ST. SUITE 1500, SAN JOSE, CA. 95113, SHALL BE NOTIFIED AT LEAST 48 HOURS BEFORE BEGINNING ANY GRADING AT TELEPHONE NUMBER 408) 297-9585.

UNOBSERVED AND UNAPPROVED GRADING WORK SHALL BE REMOVED AND REPLACED UNDER OBSERVATION.

12. A POST CONSTRUCTION "FINAL" REPORT IS REQUIRED BY THE DIRECTOR OF PUBLIC WORKS FROM A CIVIL ENGINEER RETAINED BY THE OWNER TO OBSERVE THE CONSTRUCTION STATING.

a. "THAT THE CONSTRUCTION CONFORMS TO THE LINES AND GRADES ON THE APPROVED PLAN"; OR

b. "THAT ALL SIGNIFICANT CHANGES WERE REVIEWED AND APPROVED IN ADVANCE BY THE DEPARTMENT OF PUBLIC WORKS" AND THE CIVIL ENGINEER SHALL SUBMIT AN "AS-BUILT" PLAN.

13. A POST CONSTRUCTION "FINAL" REPORT IS REQUIRED BY THE DIRECTOR OF PUBLIC WORKS, FROM A SOIL ENGINEER, AND ALSO FROM AN ENGINEERING GEOLOGIST IF THE PROJECT IS IN AN GEOLOGIC HAZARD ZONE, STATING:

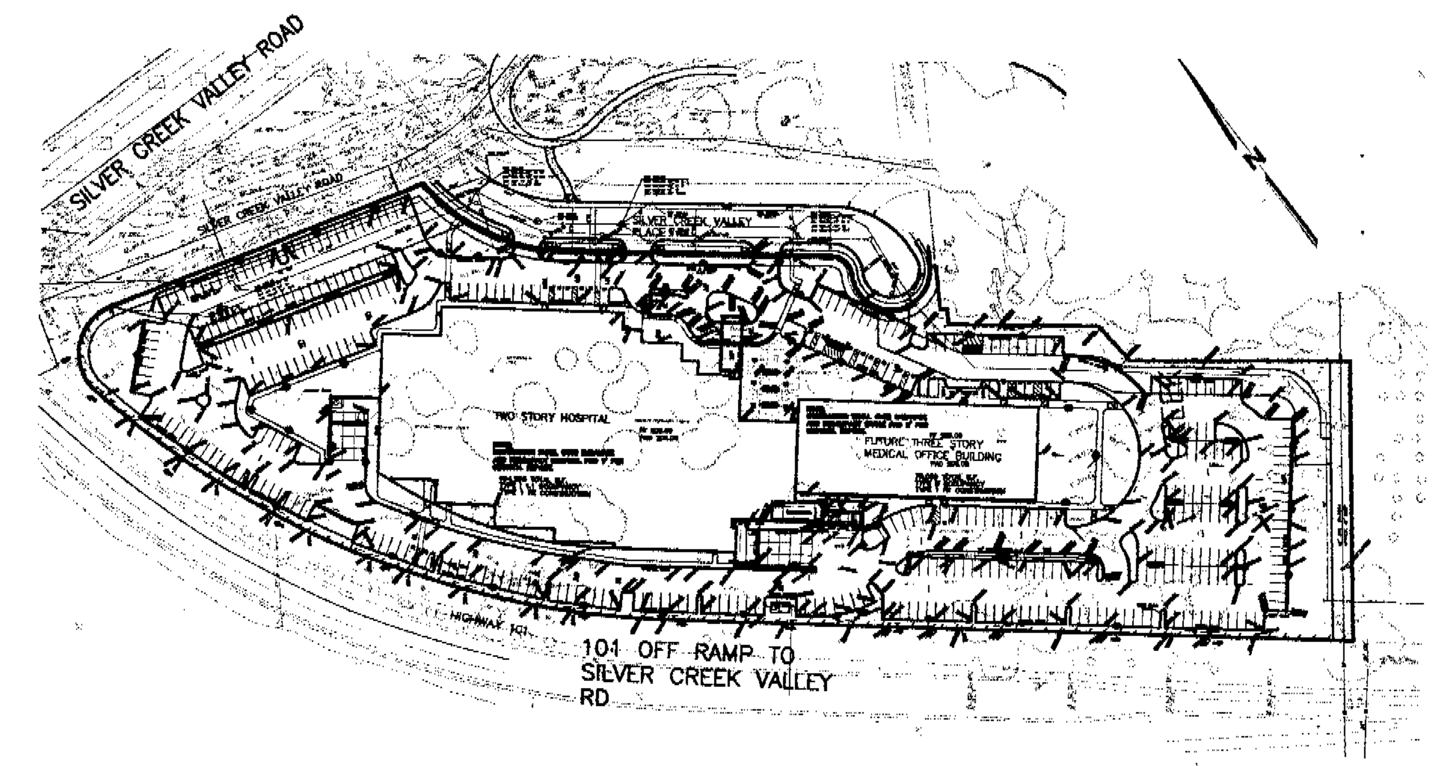
a. "THAT THE ANTICIPATED CONDITIONS AND MATERIALS AND ACTUAL SITE CONDITIONS AND MATERIALS WERE COMPATIBLE", AND SUPPLY SUPPORTING DATA"; OR

b. "THAT THE DESIGN WAS MODIFIED TO MEET THE NEW CONDITIONS AND WAS REVIEWED AND APPROVED IN ADVANCE BY THE DEPARTMENT OF PUBLIC WORKS; AND PROVIDE SUPPORTING DATA FOR THESE STATEMENTS"

14. ACCORDING TO THE CITY'S WASTE WATER ORDINANCE, THE USE OF POTABLE (PIPED OR HYDRANT) WATER FOR BUILDING OR CONSTRUCTION PURPOSES INCLUDING CONSOLIDATION OF BACKFILL OR DUST CONTROL IS PROHIBITED. RECLAIMED WATER IS AVAILABLE (ON A COST RECOVERY BASIS) FROM THE CITY'S ENVIRONMENTAL SERVICES DEPARTMENT, WATER POLLUTION CONTROL PLANT DIVISION LOCATED AT 700 LOS ESTEROS ROAD. FOR MORE INFORMATION, PLEASE CALL ERIC HANSEN AT (408)363-4714. AN APPLICATION FOR AN EXCEPTION PERMIT TO APPROVE USE OF HYDRANT WATER CAN BE CONSIDERED IN THE PW DEVELOPMENT SERVICES OFFICE. FAX-BACK SERVICE IS PROVIDED FOR THIS PERMIT APPLICATION – CONTACT (408)535-7802.

15. A HAUL ROUTE PERMIT IS REQUIRED FOR ALL PROJECTS MOVING MORE THAN 10,000 C.Y. OF EARTH. THIS GRADING PERMIT IS INVALID WITHOUT THE HAUL ROUTE PERMIT.

16. GRADING WILL NOT BE ALLOWED BETWEEN OCTOBER 15TH AND APRIL 15TH OF ANY YEAR WITHOUT EROSION CONTROL PLANS AND MEASURES APPROVED BY THE DIRECTOR OF PUBLIC WORKS.



PROJECT SITE
SCALE: 1"=150'

SUPPLEMENTAL GRADING NOTES

1. GRADING WORK SHALL CONSIST OF ALL CLEARING, GRUBBING AND STRIPPING, EXPORT OF SOIL, EMBANKMENT EXCAVATION, SPREADING, COMPACTION AND CONTROL OF FILL AND ALL SUBSIDIARY WORK NECESSARY TO COMPLETE THE GRADING TO CONFORM TO THE LINES, GRADES AND SLOPES AS SHOWN ON THE PLANS.

2. ALL TRASH, DEBRIS, ROOTS, TREE REMAINS, AND OTHER RUBBISH SHALL BE REMOVED FROM THE SITE SO AS TO LEAVE THE CONSTRUCTION AREA NEAT WITH THE FINISHED APPEARANCE FREE FROM UNSIGHTLY DEBRIS. NO BURNING SHALL BE PERMITTED. TREE STUMPS SHALL BE COMPLETELY REMOVED TO A MINIMUM 24" BELOW EXISTING GRADE.

3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CARRY OUT THE EXCAVATION, EMBANKMENT, AND EXPORT OPERATIONS NECESSARY TO MEET THE DESIGN GRADES AND CONSTRUCTION OF FACILITIES SHOWN ON THE PLANS. ANY EXCESS MATERIAL RESULTING FROM GRADING OPERATIONS SHALL BE REMOVED FROM THE SITE.

4. CONTRACTOR SHALL GRADE TO THE LINE AND ELEVATIONS SHOWN ON THE PLANS WITHIN THE FOLLOWING HORIZONTAL AND VERTICAL TOLERANCES AND DEGREES OF COMPACTION AS INDICATED.

	HORIZONTAL	VERTICAL	COMPACTION
PAVEMENT SUBGRADE	0.1+/-	+0 TO -0.1	95%
LANDSCAPE AREAS	1.0'+/-	-0.2 TO +0.2	85%
BUILDING PADS	1.0'±	-0.1 TO +0.1'	95%
NATIVE EXPANSIVE CLAY			87%-92% 3% OVER LAB OPTIMUM MOISTURE

THE MOISTURE CONTENT OF THE FINISHED PADS SHALL BE CHECKED WITHIN 24 HOURS PRIOR TO CONSTRUCTION OF THE MOISTURE BARRIER.

5. THE IN-PLACE DENSITY OF SUBGRADE SHALL BE DETERMINED IN ACCORDANCE WITH ASTM D1557-91 LABORATORY COMPACTION TEST PROCEDURE.

6. EXCAVATION AND SHORING NOTES:
ALL EXCAVATIONS SHALL BE STABILIZED IN ACCORDANCE WITH CAL OSHA REQUIREMENTS. THE CONTRACTOR SHALL TAKE FULL RESPONSIBILITY FOR THE STABILITY OF THE EXCAVATION SIDES. ADEQUATE SHORING SHALL BE PROVIDED TO PREVENT UNDERMINING OF ALL ADJACENT PROPERTIES, STREETS, AND STRUCTURES, AND CAVING OF THE EXCAVATION SIDES. EXCAVATION FOR RETAINING WALLS SHALL BE OBSERVED BY THE SOIL ENGINEER TO PROVIDE AN OPINION REGARDING THE NEED FOR ADDITIONAL SHORING. ALL TEMPORARY EXCAVATIONS AND SHORING SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE PROJECT GEOTECHNICAL REPORT BY LOWNEY ASSOCIATES DATED NOV. 16, 2005.

7. DEWATERING NOTES:
CONTRACTOR SHALL TAKE FULL RESPONSIBILITY FOR DEWATERING THE EXCAVATIONS. PONDING OF THE SURFACE WATER SHALL NOT BE ALLOWED IN THE EXCAVATION, ANY SURFACE WATER ACCUMULATION SHALL BE PUMPED OUT IMMEDIATELY

8. CONTRACTOR SHALL NOTIFY U.S.A. (UNDERGROUND SERVICE ALERT) AT (800)642-2444 48-HOURS PRIOR TO BEGINNING ANY WORK.

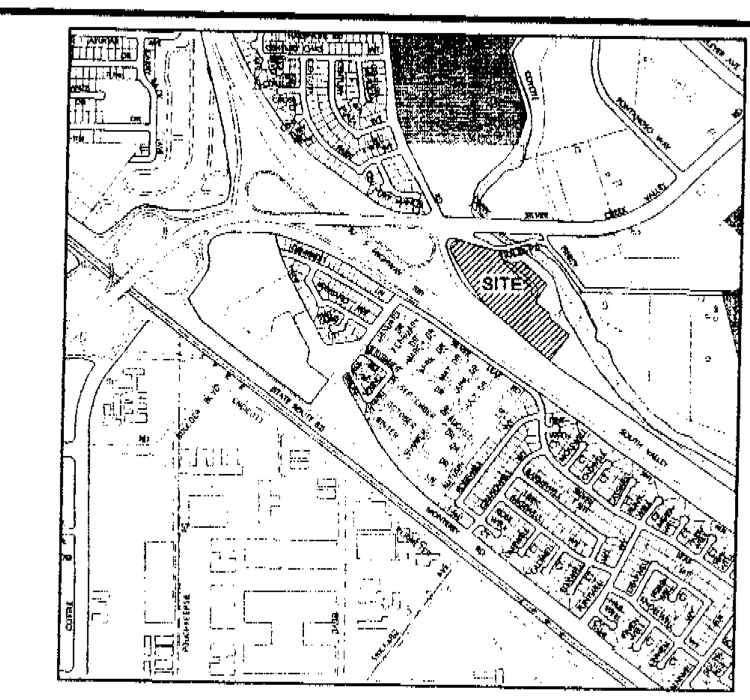
9. GEOTECHNICAL TRENCHES SHALL BE RE-EXCAVATED AND BACKFILLED IN THIN LIFTS COMPACTED TO AT LEAST 90% RELATIVE COMPACTION. NATIVE EXPANSIVE CLAY USED AS TRENCH BACKFILL SHALL BE COMPACTED TO BETWEEN 87% TO 92% RELATIVE COMPACTION AT A MOISTURE CONTENT OF AT LEAST 3% OVER LABORATORY OPTIMUM.

SHEEET INDEX

1	COVER SHEET
2	SECTIONS, DETAILS
3-4	ROUGH GRADING PLAN
5	STORM DRAIN PLAN
6-7	EROSION CONTROL PLAN

BENCHMARK

RM 711 CHISELED "SQUARE" ON TOP OF CATCH BASIN NORTHEAST CURB RETURN SILVER CREEK VALLEY ROAD & FONTANOSO WAY, ER ON SILVER CREEK VALLEY ROAD. ELEVATION 190.78



LOCATION MAP
NO SCALE

LEGEND

DESCRIPTION	TO BE CONST.	EXISTING
PROPERTY LINE		
LIMITS OF WORK OR BOUNDARY		
CENTERLINE		
6" CURB AND GUTTER		
FLUSH CURB	FLUSH CURB	
6" CURB	VERTICAL CURB	
SIDEWALK		
STANDARD CITY BARRICADE		
STANDARD HOODED INLET	LARGE (3'X3')	LARGE
ALTERNATE DRAINAGE INLETS (TYPE AS NOTED)	GDO	GDO
CITY SURVEY MONUMENT		
FIRE HYDRANTS		
ELECTROLIER		
STORM SEWER		
STORM MANHOLE		
DRIVEWAY		
HANDICAP RAMP		
PAVING CONFORM OR OVERLAY TO FORM SMOOTH A.C. TRANSITION		
KEY TO CHANGES		
OVERLAND SURFACE RELEASE PATH (DIRECTION)		
STORM DRAIN	SD	
TREE TO BE REMOVED	X	
FLAT GRATE INLET		
LIMIT OF ROUGH GRADING		

ABBREVIATIONS

GRADE BREAK	GB
HIGH POINT	HP
TOP OF CURB	TC
GARAGE FLOOR	GF
PORTLAND CONCRETE CEMENT	PCC
AGGREGATE BASE	AB
FINISH FLOOR	FF
END OF CURVE	EC
BEGIN OF CURVE	BC
LEFT	LT
RIGHT	RT
FLOWLINE	FL
PAVEMENT	P

PLANNING PERMIT:
PD 05-095

CITY PERMIT:

EARTHWORK QUANTITIES

	Cut cy.	Fill cy.
Est. Earthwork:	4020 cy.	9060 cy.
Import: (on site)		5040 cy.
Export:		0 cy.

SEE NOTE

APPROVED FOR GRADING ONLY
Department of Public Works
City of San Jose, California

MIGUEL LUU (signature) — Project Engineer — Date: 02/25/08

07-037506 — Permit Number — Expiration Date: 02/25/09

NOTE: THIS PLAN REVIEWED AND APPROVED FOR EXCAVATION, PLACEMENT, AND COMPACTION OF CUT/FILL MATERIALS, AND GRADES ASSOCIATED WITH THE ON-SITE DRAINAGE ONLY.

NOTE:

THE QUANTITIES ARE SHOWN FOR THE PURPOSE OF GRADING PERMIT APPROVAL FROM THE CITY OF SAN JOSE AND ARE NOT TO BE USED FOR PAYMENT TO THE CONTRACTOR. CONTRACTOR SHALL ESTABLISH HIS OWN QUANTITIES.

ASSESSOR'S PARCEL MAP

APN: 678-07-029, 30, 31

AREA 9.9 Ac±

LAND USE:

Existing: VACANT

Proposed: HOSPITAL

Description	By	Date	City Approval	Date

Revisions

Designed WHS
Drawn BF
Checked

Copyright 2007 Ruth and Going, Inc. All Rights Reserved

REGISTERED PROFESSIONAL ENGINEER
MICHAEL C. SHEEHY
No. C029693
EXP. 3-31-09
CIVIL
STATE OF CALIFORNIA
02.12.08

RUTH AND GOING, INC.
Civil Engineering Land Surveying
2216 THE ALAMEDA SANTA CLARA, CA. 95050
TEL. (408) 236-2400 FAX (408) 236-2410

ROUGH GRADING PLAN
3-10584

THE CALIFORNIA CENTER FOR HEALTH CARE AND BIOMEDICAL TECHNOLOGY

SAN JOSE CALIFORNIA

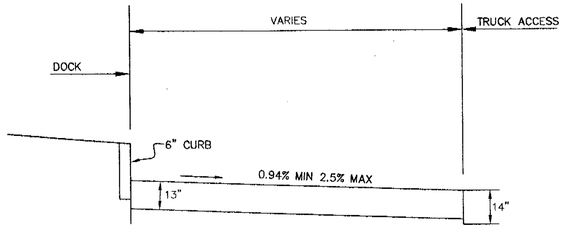
Scale AS SHOWN

Date 03-28-07

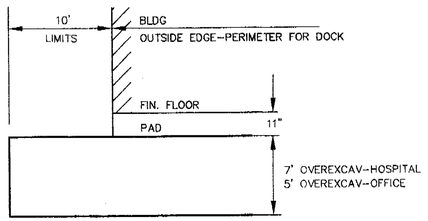
1 of 7 Sheets

Job No. 04-041A

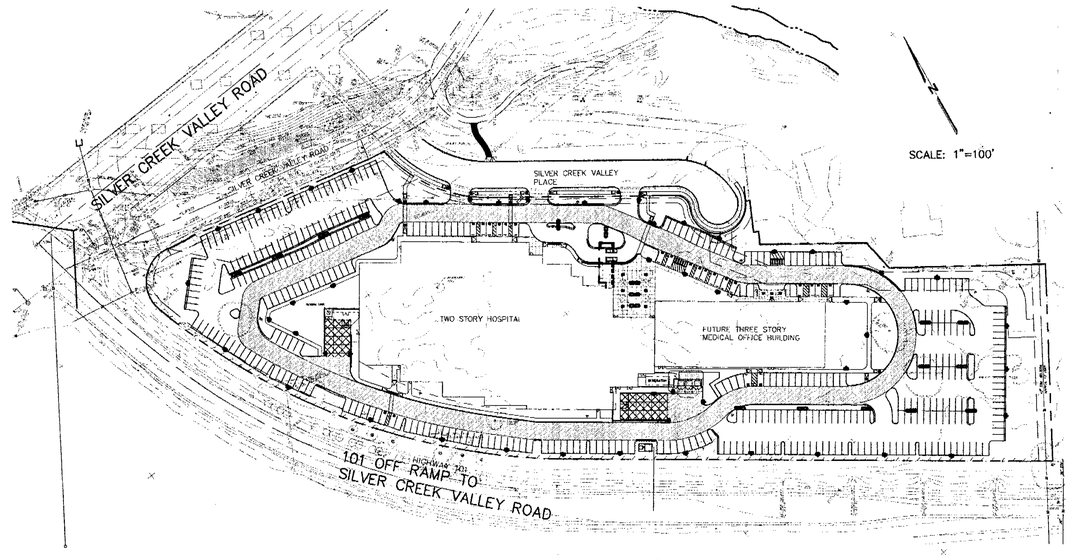
Drawing file: O:\Civil\04041A\dwg\ RG-SH1-C2.dwg
Feb 12, 2008 - 9:47am



SECTION E
N.T.S.



SECTION F
N.T.S.



SHADED DRIVEWAYS INDICATE HEAVY-DUTY PAVEMENT SECTION. THE REMAINING AREAS ARE TO BE PAVED WITH THE LIGHTER SECTION. CROSS HATCHED AREA INDICATES PCC PAVEMENT SECTION.

TREE PROTECTION NOTES

1. CONTRACTOR SHALL FENCE ALL TREES TO BE RETAINED TO COMPLETELY ENCLOSE THE TREE PROTECTION ZONE PRIOR TO DEMOLITION, GRUBBING, OR GRADING. FENCES SHALL BE 6-FOOT CHAIN LINK OR EQUIVALENT AS APPROVED BY CONSULTING ARBORIST. FENCES SHALL BE PLACED AT THE DRIPLINE. FENCES ARE TO REMAIN UNTIL ALL GRADING AND CONSTRUCTION IS COMPLETED.

2. CONTRACTOR SHALL PRUNE TREES TO BE PRESERVED TO CLEAN AND ELEVATE THE CROWN, PROVIDING A LEVEL OF CLEARANCE FOR VEHICLES TO BE DETERMINED IN CONSULTATION WITH RUTH AND GOING, INC., BASED ON THE LIKELY VEHICLE USE PATTERNS IN THE VARIOUS PARKING AREAS. ALL PRUNING SHALL BE COMPLETED BY A CERTIFIED ARBORIST OR TREE WORKER AND ADHERE TO THE TREE PRUNING GUIDELINES OF THE INTERNATIONAL SOCIETY OF ARBORICULTURAL.

MEASURES FOR TREE PROTECTION DURING CONSTRUCTION

3. NO GRADING, CONSTRUCTION, DEMOLITION OR OTHER WORK SHALL OCCUR WITHIN THE TREE PROTECTION ZONE. ANY MODIFICATIONS MUST BE APPROVED AND MONITORED BY THE CONSULTING ARBORIST.

4. ANY ROOT PRUNING REQUIRED FOR CONSTRUCTION PURPOSES SHALL RECEIVE THE PRIOR APPROVAL OF, AND BE SUPERVISED BY, THE CONSULTING ARBORIST.

5. IF INJURY SHOULD OCCUR TO ANY TREE DURING CONSTRUCTION, IT SHOULD BE EVALUATED AS SOON AS POSSIBLE BY THE CONSULTING ARBORIST SO THAT APPROPRIATE TREATMENTS CAN BE APPLIED.

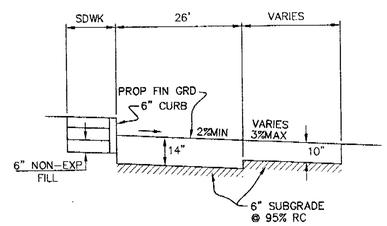
6. ROOT-INJURED TREES HAVE A LIMITED CAPACITY TO ABSORB WATER. THEREFOR, IT IS IMPORTANT TO INSURE ADEQUATE SOIL MOISTURE IN THE AREA OF ACTIVE ROOTS. ONE TO SEVERAL IRRIGATION MAY BE NEEDED FOR TREES THAT ARE AT RISK. IRRIGATION SHALL BE SPECIFIED BY THE CONSULTING ARBORIST.

7. NO EXCESS SOIL, CHEMICAL, DEBRIS, EQUIPMENT OR OTHER MATERIALS SHALL BE DUMPED OR STORED AND NO VEHICLES SHALL BE PARKED WITHIN THE TREE PROTECTION ZONE.

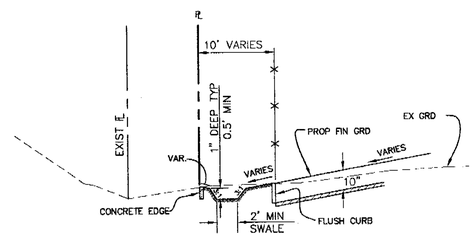
8. ANY ADDITIONAL TREE PRUNING NEEDED FOR CLEARANCE DURING CONSTRUCTION MUST BE PERFORMED BY A CERTIFIED ARBORIST AND NOT BY CONSTRUCTION PERSONNEL.

9. TREES TO BE PRESERVED SHALL BE PERMANENTLY IDENTIFIED BY METAL NUMBERED TAGS PRIOR TO THE REMOVAL OF ANY TREE ON SITE. ALL TREES TO BE SAVED SHALL BE PROTECTED BY A CHAIN LINK, OR OTHER FENCING APPROVED BY THE DIRECTOR OF PLANNING PRIOR TO ANY GRADING OR REMOVAL OF TREES. THE FENCE SHALL OCCUR AT THE DRIPLINE IN ALL CASES AND SHALL REMAIN DURING CONSTRUCTION. TREE MASSES SHALL BE PROTECTED WITH A FENCE SURROUNDING THE DRIPLINE OF THE ENTIRE MASS.

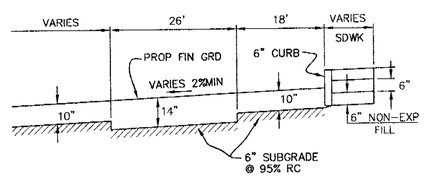
10. TREES TO BE REMOVED SHALL HAVE A PERMANENT MARKING, EITHER WITH SPRAY PAINT OR SURVEY FLAG, PRIOR TO THE RECORDATION OF THE PD PERMIT AND SHALL NOT BE PROTECTED WITH FENCES. NO TREE LARGER THAN 18 IN DIAMETER SHALL BE REMOVED UNLESS A TREE REMOVAL PERMIT HAS BEEN APPROVED FOR THE REMOVAL OF THE TREE. THE RECOMMENDATIONS OF THE PROJECT ARBORIST SHALL BE FOLLOWED.



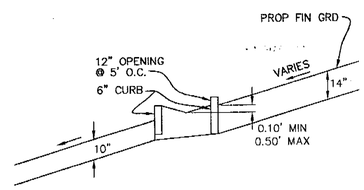
SECTION C
N.T.S.



SECTION A
N.T.S.



SECTION D
N.T.S.



SECTION B
N.T.S.

Revisions			
Mark	Description	Date	By

WHS
Designed BF
Drawn
Checked

Copyright 2007 Ruth and Going, Inc. All Rights Reserved

REGISTERED PROFESSIONAL ENGINEER
BENJAMIN F. SCHEER
No. C029693
EXP. 3-31-09
CIVIL
STATE OF CALIFORNIA
02.12.08

RUTH AND GOING, INC.
Civil Engineering Land Surveying
2216 THE ALAMEDA SANTA CLARA, CA. 95050
TEL (408) 236-2400 FAX (408) 236-2410

SECTIONS, DETAILS 3-10584

THE CALIFORNIA CENTER FOR HEALTH CARE AND BIOMEDICAL TECHNOLOGY

SAN JOSE CALIFORNIA

Scale AS SHOWN

Date 2-28-07

2 of 7 Sheets

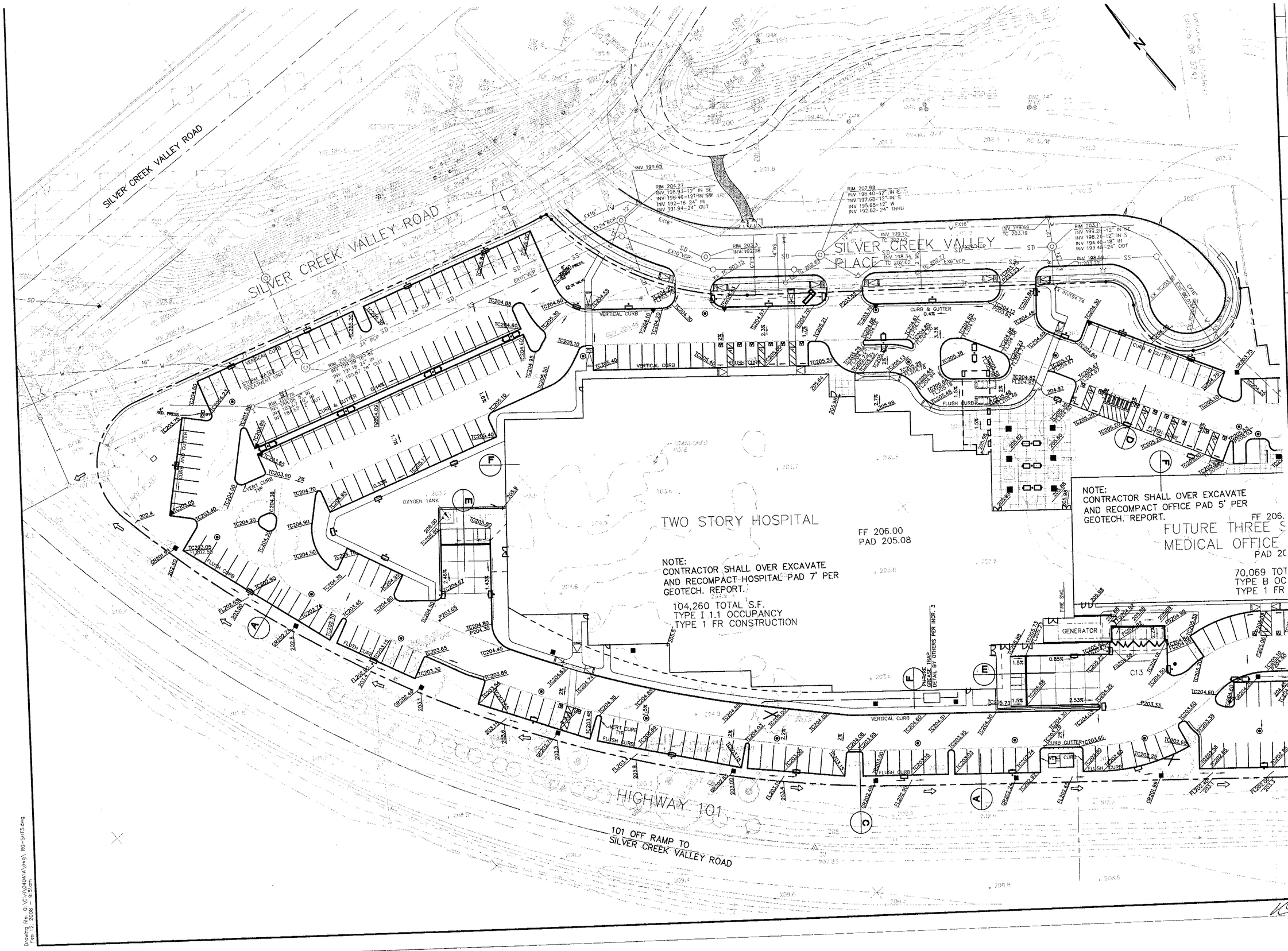
Job No. 04-041A

Drawing RG-SHT2-C3

NOTICE: Contractor participates by their bids, to supersede with generally accepted construction practices, that the contractor is the sole party at a remote site responsible for job site safety during the course of construction of this project, including safety of all persons and property. Contractor agrees to defend, indemnify, and hold Ruth and Going harmless from any and all liability, real or alleged, in connection with the performance of work on this project, excepting liability arising from the sole negligence of the design professional.

Drawing file: Q:\Civil\04041A\dwg\ RG-SHT2-C3.dwg
Feb 12, 2008 - 10:05am

2/25/08



Revisions

Mark	Description

WHS
Designed
Drawn
Checked

Copyright 2007 Ruth and Going, Inc. All Rights Reserved

REGISTERED PROFESSIONAL ENGINEER MICHAEL C. SHEEHY No. C029693 EXP. 3-31-09 CIVIL STATE OF CALIFORNIA

02.12.08

RUTH AND GOING, INC.
Civil Engineering Land Surveying
2216 THE ALAMEDA SANTA CLARA, CA. 95050
TEL. (408) 236-2400 FAX (408) 236-2410

ROUGH GRADING PLAN
3-10584

THE CALIFORNIA CENTER FOR HEALTH CARE AND BIOMEDICAL TECHNOLOGY

SAN JOSE CALIFORNIA

Scale 1"=30'

Date 2-6-07

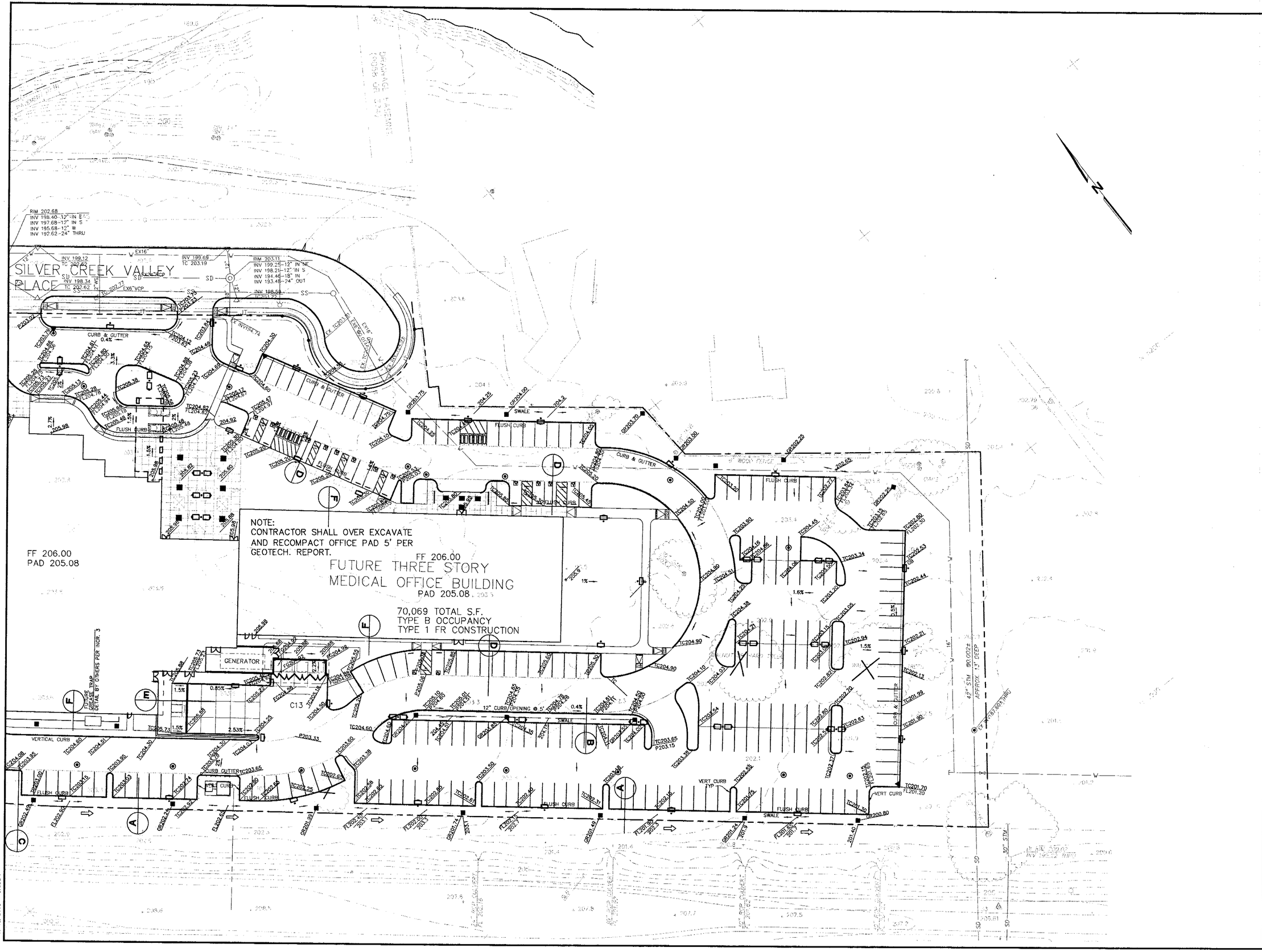
3 of 7 Sheets

Job No. 04-041A

Drawing RD-SHT3

2/25/08

Drawing file: O:\Civil\04041A\dwg\ RG-SHT3.dwg
Feb 12, 2008 - 9:51am



Revisions			
Description	Mark	Date	By

WHS
Designed
Drawn
Checked

Copyright 2007 Ruth and Going, Inc. All Rights Reserved

REGISTERED PROFESSIONAL ENGINEER
MICHAEL C. SHEEHY
No. C029693
EXP. 3-31-09
CIVIL
STATE OF CALIFORNIA
02.12.08

RUTH AND GOING, INC.
Civil Engineering Land Surveying
2216 THE ALAMEDA SANTA CLARA, CA. 95050
TEL. (408) 236-2400 FAX (408) 236-2410

ROUGH GRADING PLAN
3-10584

THE CALIFORNIA CENTER FOR HEALTH CARE AND BIOMEDICAL TECHNOLOGY
SAN JOSE CALIFORNIA

Scale 1"=30'
Date 2-6-07

4 of 7 Sheets

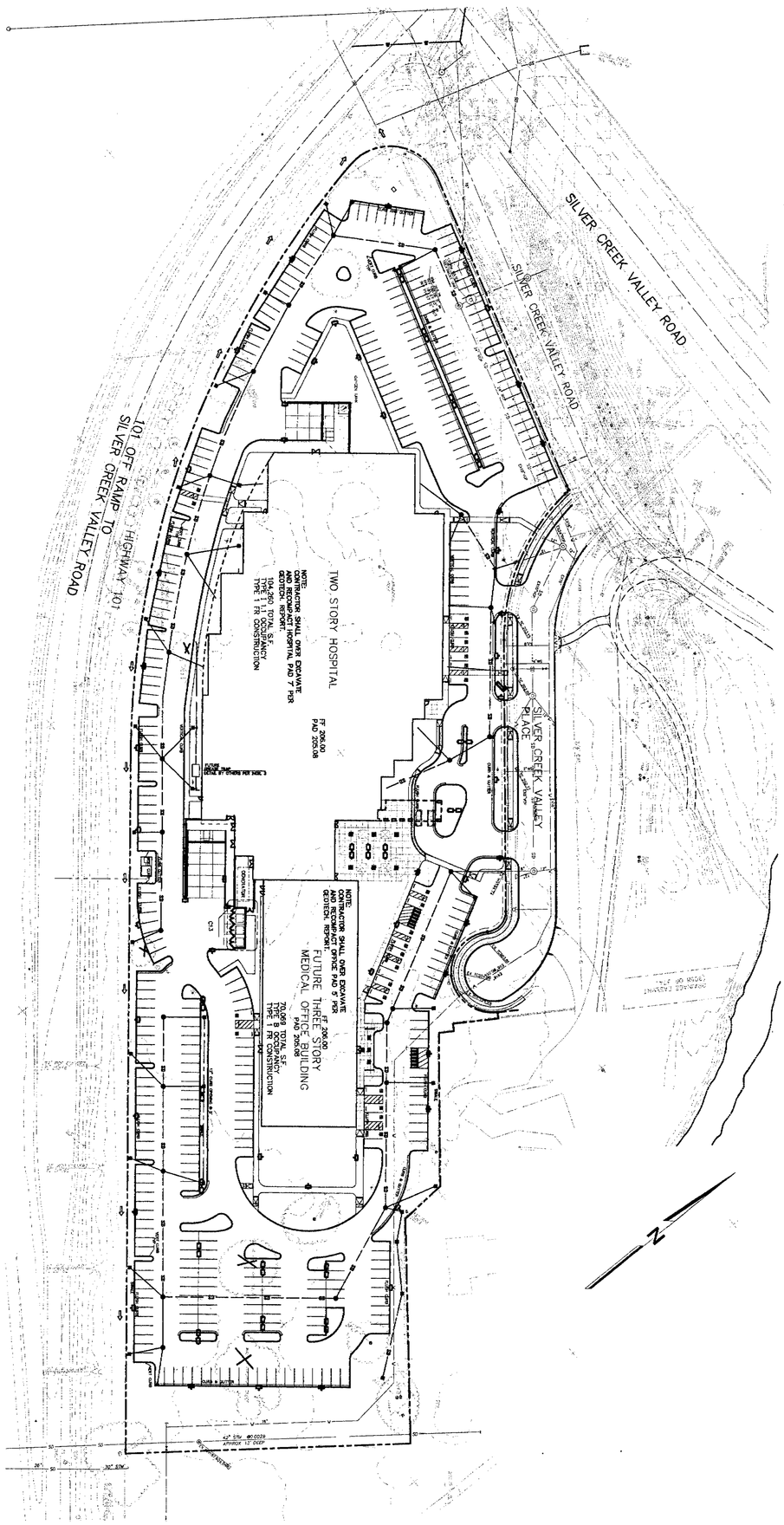
Job No. 04-041A
Drawing RD-SHT4

NOTICE: Construction contractor agrees that in accordance with generally accepted construction practices, contractor will be required to assume sole and complete responsibility for job site conditions during the course of construction of the project including safety of all persons and property, that this requirement shall be made to apply continuously and not be limited to normal working hours, and construction contractor further agrees to defend, indemnify and hold design professional harmless from any and all liability, real or alleged, in connection with the performance of work on this project, excepting liability arising from the sole negligence of the design professional.

Drawing file: Q:\Civil\04041A\dwg\ RG-SHT4.dwg
Feb 12, 2008 - 9:55am

2/25/08

Drawing file: Q:\Civil\04041A\dwg\ RG-SHT5.dwg
Feb 12, 2008 - 9:59am



STORM DRAIN PLAN
3-10584

THE CALIFORNIA CENTER FOR HEALTH CARE AND BIOMEDICAL TECHNOLOGY

SAN JOSE CALIFORNIA

RUTH AND GOING, INC.
Civil Engineering Land Surveying
2216 THE ALAMEDA SANTA CLARA, CA. 95050
TEL. (408) 236-2400 FAX (408) 236-2410

REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

WHS
Designed
Drawn
Checked

Copyright 2007
Ruth and Going, Inc.
All Rights Reserved

Description	Mark	Date	By
Revisions			

Scale 1"=60'
Date 2-6-07
5 of 7 Sheets
Job No. 04-041A
Drawing RD-SHT5

NOTICE: Construction contractor agrees that in accordance with generally accepted construction practices, contractor will be required to assume sole and complete responsibility for job site conditions during the course of construction of the project including safety of all persons and property, that this requirement shall be made to apply continuously and not be limited to normal working hours, and construction contractor further agrees to defend, indemnify and hold design professional harmless from any and all liability, real or alleged, in connection with the performance of work on this project, excepting liability arising from the sole negligence of the design professional

NARRATIVE:

Construction of the project will involve clearing and grading, use of heavy equipment and handling a large variety of building materials. Storm water run-off may be affected by project grading, foundation construction, structural work, and building furnishing. The total project site is approximately 8.9 acres, rectangular in shape and flat (1-1.5%) terrain ranging in elevation from 201.0' to 204.0' above sea level.

Potential sources of erosion and sediment are the graded building pads. These areas shown on the plans shall be treated with the Three Step Straw and Tackifier prior to October 12, 2007.

The Erosion Control and Storm Water Pollution Control Measures shall be maintained by the general contractor throughout the winter months. Whenever rain is forecast, at the end of the last day of a work week or before any extended suspension of work, the general contractor shall ensure that the measures shown on these plans shall be in place and satisfactorily installed to provide the intended protection. After each rain, the general contractor shall inspect the erosion control and storm water pollution control measures to determine that they operated satisfactory. Repairs shall be made as required. If it is determined that a particular measure is not providing the intended protection, the general contractor shall notify the owner and design engineer to determine alternative measures. Alternative designs will be submitted to the City for review prior to implementation.

The general contractor shall keep adequate supplies on site to provide emergency repairs as required. These supplies may be additional slit fencing, filter fabric, straw wattles, jute netting, bags and tarps.

This is to state that the general contractor agrees to the above erosion control and storm water pollution control measures.

____

By: xxx

Big-D Pacific Builders

In case of emergency the general contractor's representative can be reached at (925) 989-0888 or the owner's representative can be reached at (xxx) xx-xx after work hours and on weekends, can be paged at (925) 989-0888.

1. Owner

Tel. (xxx) xx
Fax (xxx) xx

2. Civil Engineer:
Ruth and Going, Inc.
2216 The Alameda
Santa Clara, California 95050
Mike Sheehy
(408) 236-2400

3. Construction Superintendent
James Purvis
Big-D Pacific Builders

24 Hour Phone Number:
Pager (925) 989-0888 Site Trailer (___) ___-____
Contractor:
Big D Pacific Builders
6210 Stoneridge Mall Rd. Ste. 410
Pleasanton, CA 94588
24 Hour Phone Number: Pager (925) 989-0888

4. This plan is intended to be used for interim erosion and sediment control only and is not to be used for final elevations or permanent improvements.

5. Developer will submit to the City monthly (at the first of each month between Oct 15th and April 15th certifications that all erosion/sediment measures identified on the approved erosion control plan are in place. If measures are not in place, Developer shall provide the City with a written explanation of why the measure is not place and what will be done to remedy this situation.

6. Owner/Contractor shall be responsible for monitoring erosion and sediment control prior, during, and after storm events.

7. Reasonable care shall be taken when hauling any earth, sand, gravel, stone, debris, paper or any other substance over any public street, alley or other public place. Should any blow, spill, or track over and upon said public or adjacent private property, immediately remedy shall occur.

8. Sanitary facilities shall be maintained on the site.

9. During the rainy season, all paved areas shall be kept clear of earth material and debris. The site shall be maintained so as to minimize sediment laden runoff to any storm drainage systems, including existing drainage swales and water courses.

10. Construction operations shall be carried out in such a manner that erosion and water pollution will be minimized. State and local laws concerning pollution abatement shall be complied with.

11. Contractors shall provide dust control as required by the appropriate federal, state, and local agency requirements.

12. Hydroseeding shall be applied as per Caltrans specifications.

13. With the approval of the engineer, erosion and sediment controls maybe removed after areas above them have been stabilized.

MAINTENANCE NOTES

1. Maintenance is to be performed as follows:
   - A. Repair damages caused by soil erosion or construction at the end of each working day.
   - B. Swales shall be inspected periodically and maintained as needed.
   - C. Sediment traps, berms, and swales are to be inspected after each storm and repairs made as needed.
   - D. Sediment shall be removed and sediment traps restored to its original dimensions when sediment has accumulated to a depth of one foot.
   - E. Sediment removed from trap shall be deposited in a suitable area and in such a manner that it will not erode.
   - F. Rills and gullies must be repaired.
2. Gravel bag inlet protection shall be cleaned out whenever sediment depth is one half the height of one gravel bag.

VEGETATIVE SOIL STABILIZATION
Maintenance

1. Maintenance during vegetation establishment should include repair and reseeding if the following conditions are observed:
   - o unexpected sheet or fill erosion;
   - o sediment buildup at toe of slope;
   - o seed and/or mulch have been displaced.
2. All mulches and soil coverings should be inspected periodically—both during and *after rainstorms*— to check for erosion. Additional mulch should be applied in all areas where erosion is observed.
3. Nets and mats should be inspected after rainstorms for discoloration or failure. If either occurs, damage to the slope or ditch should be repaired and the covering reinstalled.

EROSION AND SEDIMENT CONTROL MEASURES

1. The facilities shown on this Plan are designed to control Erosion and sediment during the rainy season, October 15 to April 15. Facilities are to be operable prior to October 1 of any year. Grading operations during the rainy season, which leave denuded slopes shall be protected with erosion control measures immediately following grading on the slopes.

2. This plan covers only the first winter following grading with assumed site conditions as shown on the Erosion Control Plan. Prior to September 15, the completion of site improvement shall be evaluated and revisions made to this plan as necessary with the approval of the city engineer. Plans are to be resubmitted for city approval prior to September 1 of each subsequent year until site improvements are accepted by the city.

3. Construction entrances shall be installed prior to commencement of grading. All construction traffic entering onto the paved roads must cross the stabilized construction entranceways.

4. Contractor shall maintain stabilized entrance at each vehicle access point to existing paved streets. Any mud or debris tracked onto public streets shall be removed daily and as required by the city.

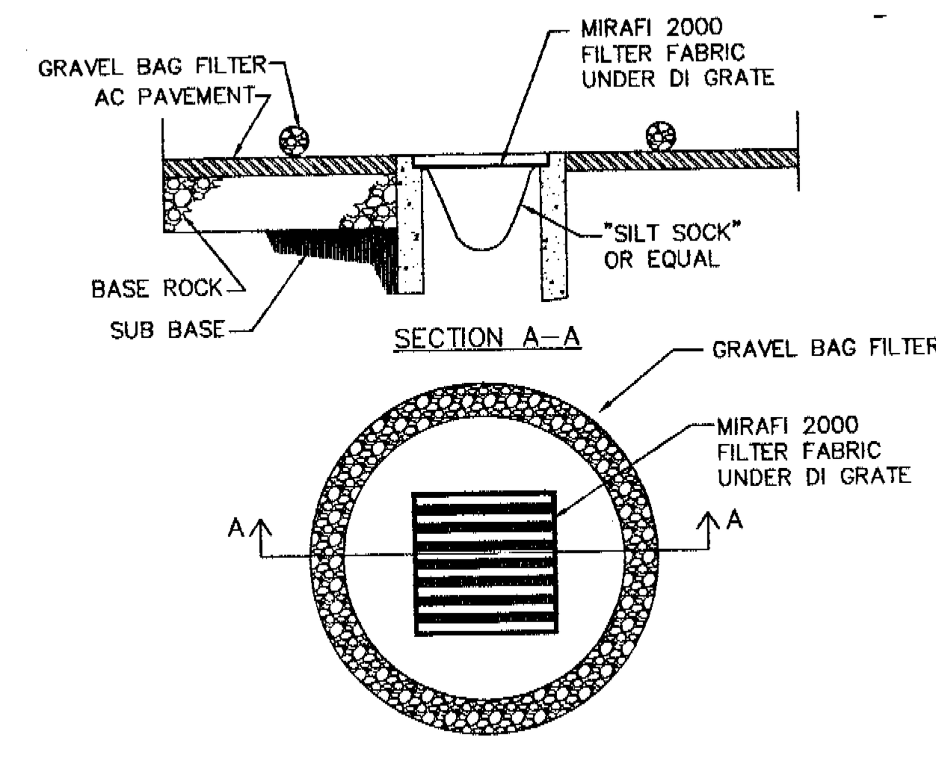
5. If hydro seeding is not used or is not effective by 10/10, then other immediate methods shall be implemented, such as Erosion control blankets, or a three-step application of 1) Seed, mulch, fertilizer; 2) Blown straw; 3) Tackfier and mulch.

6. Inlet protection shall be installed at open inlets to prevent sediment from entering the storm drain system. Inlets not used in conjunction with erosion control are to be blocked to prevent entry of sediment.

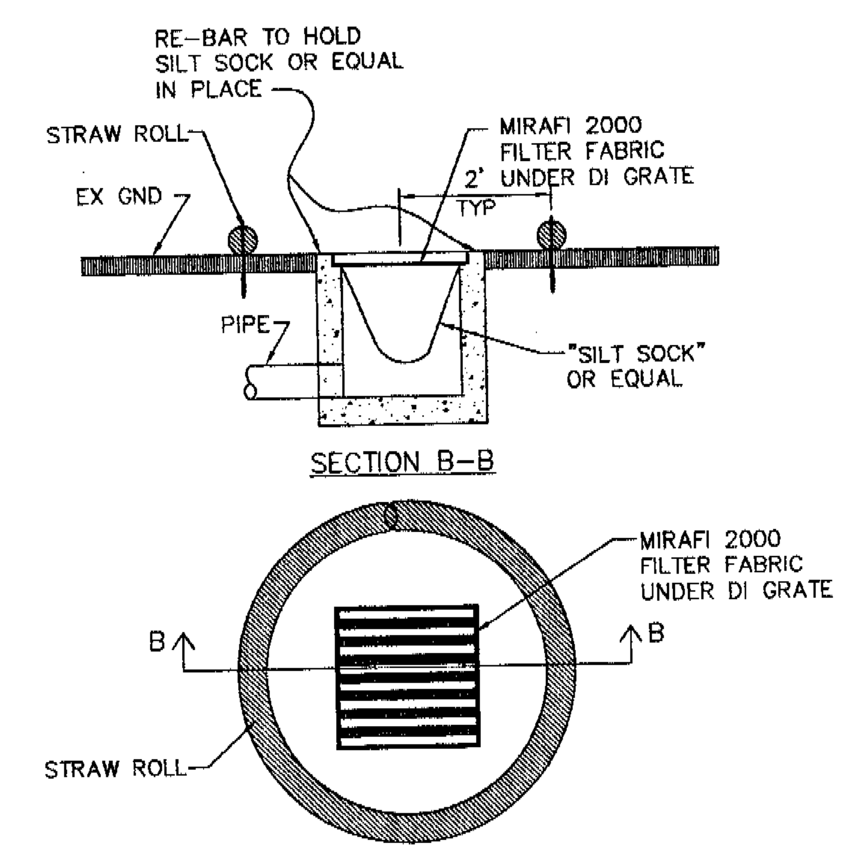
7. Lots with houses under construction will not be hydroseeded. Erosion protection for each lot with a house under construction shall conform to the typical lot erosion control detail shown on this sheet.

8. This erosion and sediment control plan may not cover all the situations that may arise during construction due to unanticipated field conditions. Variations and additions may be made to this plan in the field. Notify the city representative of any field changes.

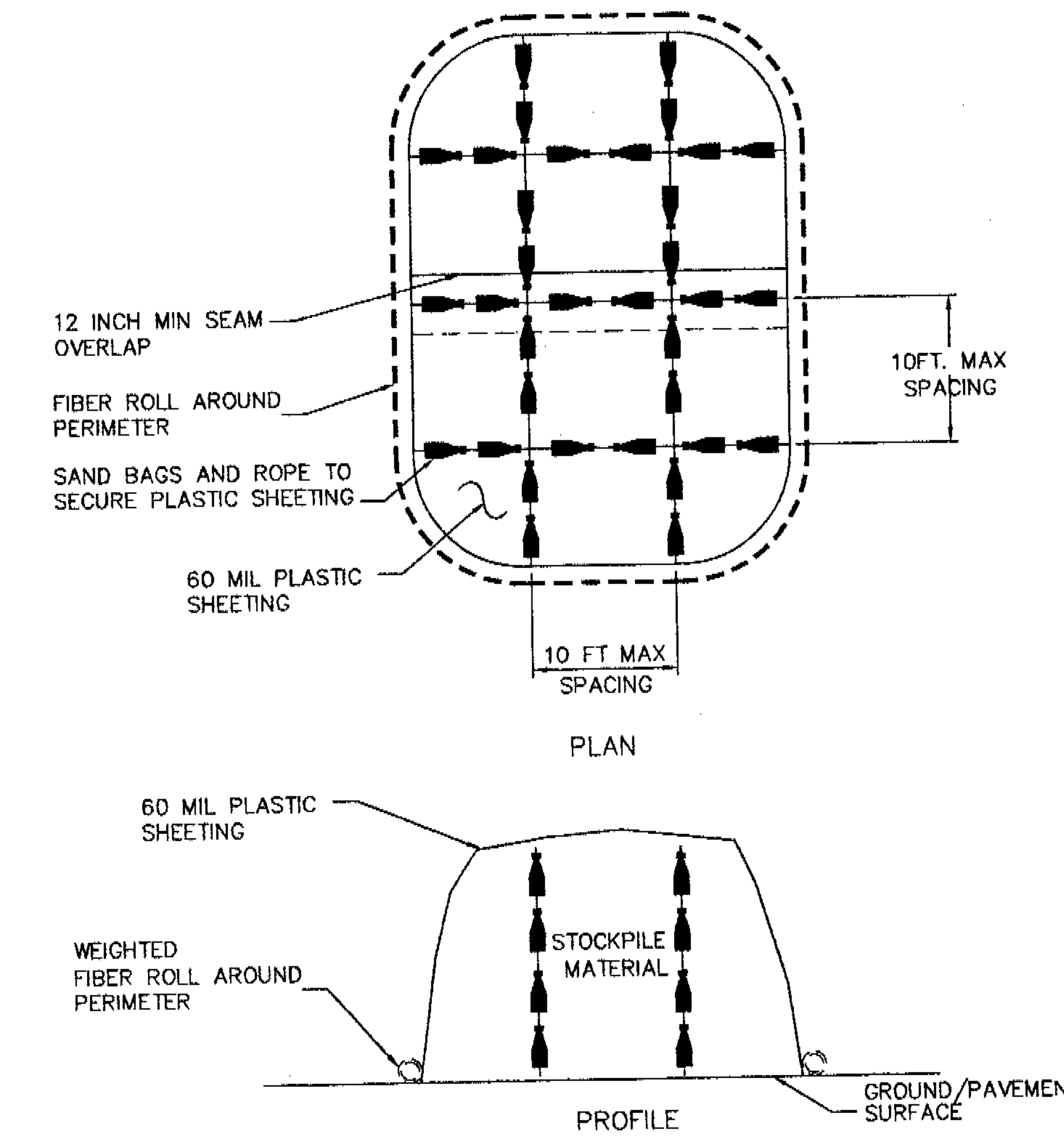
9. Contractor shall continually adjust location of construction entrance and related items as construction proceeds and areas are constructed.



DRAINAGE INLET PROTECTION IN PAVEMENT
N.T.S.



DRAINAGE INLET PROTECTION IN UNPAVED AREAS
N.T.S.

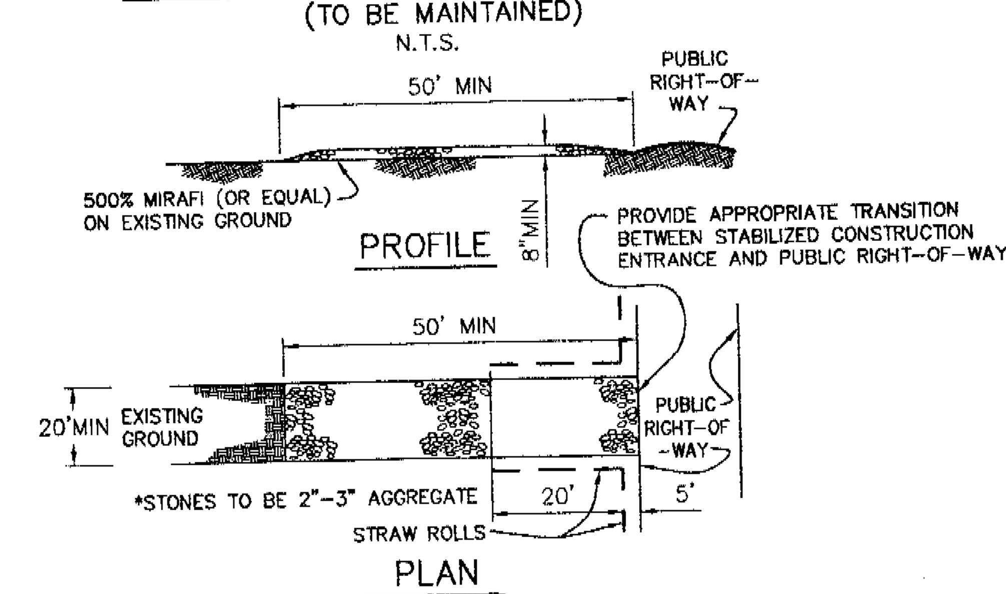


STOCKPILE COVER DETAIL
SCHEMATIC ONLY
NOT TO SCALE

MAINTENANCE MEASURES*		
CONTROLS:	INSPECTION FREQUENCY:	MAINTENANCE/REPAIR MEASURES
Stabilized Construction Entrance	Monthly and After Each Rainfall	Replace gravel materials when voids are present Remove all sediment deposited on all paved roadways within 24 hours Remove gravel at completion of construction
Storm Drain Inlet Protection	Weekly and after each rain	Replace clogged filter fabric immediately Remove sediment when the depth exceeds 2/3 the height of the filter

Maintenance
- The entrance shall be maintained in a condition that will prevent tracking or flowing sediment onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand, and repair and/or clean out any measures used to trap sediment.
- All sediment spilled, dropped, washed, or tracked onto public rights-of-way shall be removed immediately.
- When necessary, wheels shall be cleaned to remove sediment prior to entrance onto public rights-of-way. This shall be done at an area stabilized with crushed stone, which drains into an approved sediment trap or sediment basin.

NEW STABILIZED CONSTRUCTION ENTRANCE
(TO BE MAINTAINED)
N.T.S.



EROSION CONTROL LEGEND

- INLET PROTECTION
- NEW STABILIZED CONSTRUCTION ENTRANCE (SEE DETAIL)
- STRAW ROLLS
- GRAVEL BAGS AT INLETS IN EXISTING PAVEMENT
- SILT FENCE

WDID #
3-10584

CITY OF SAN JOSE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
ACCEPTED FOR CONCEPTUAL
EROSION AND SEDIMENT CONTROL ONLY

Michael Liw — Project Engineer — 02/25/08 Date
3-10584 PW NUMBER

Description	By	Date	City Approval	Da

Revisions

Designed WHS
Drawn BF
Checked

Copyright 2005 Ruth and Going, Inc. All Rights Reserved

REGISTERED PROFESSIONAL ENGINEER MICHAEL C. SHEEHY No. C029693 EXP. 3-31-09 CIVIL STATE OF CALIFORNIA
02.12.08

RUTH AND GOING, INC.
Civil Engineering Land Surveying
2216 THE ALAMEDA SANTA CLARA, CA. 95050
TEL. (408) 236-2400 FAX (408) 236-2410

EROSION CONTROL PLAN 3-10584

THE CALIFORNIA CENTER FOR HEALTH CARE AND BIOMEDICAL TECHNOLOGY

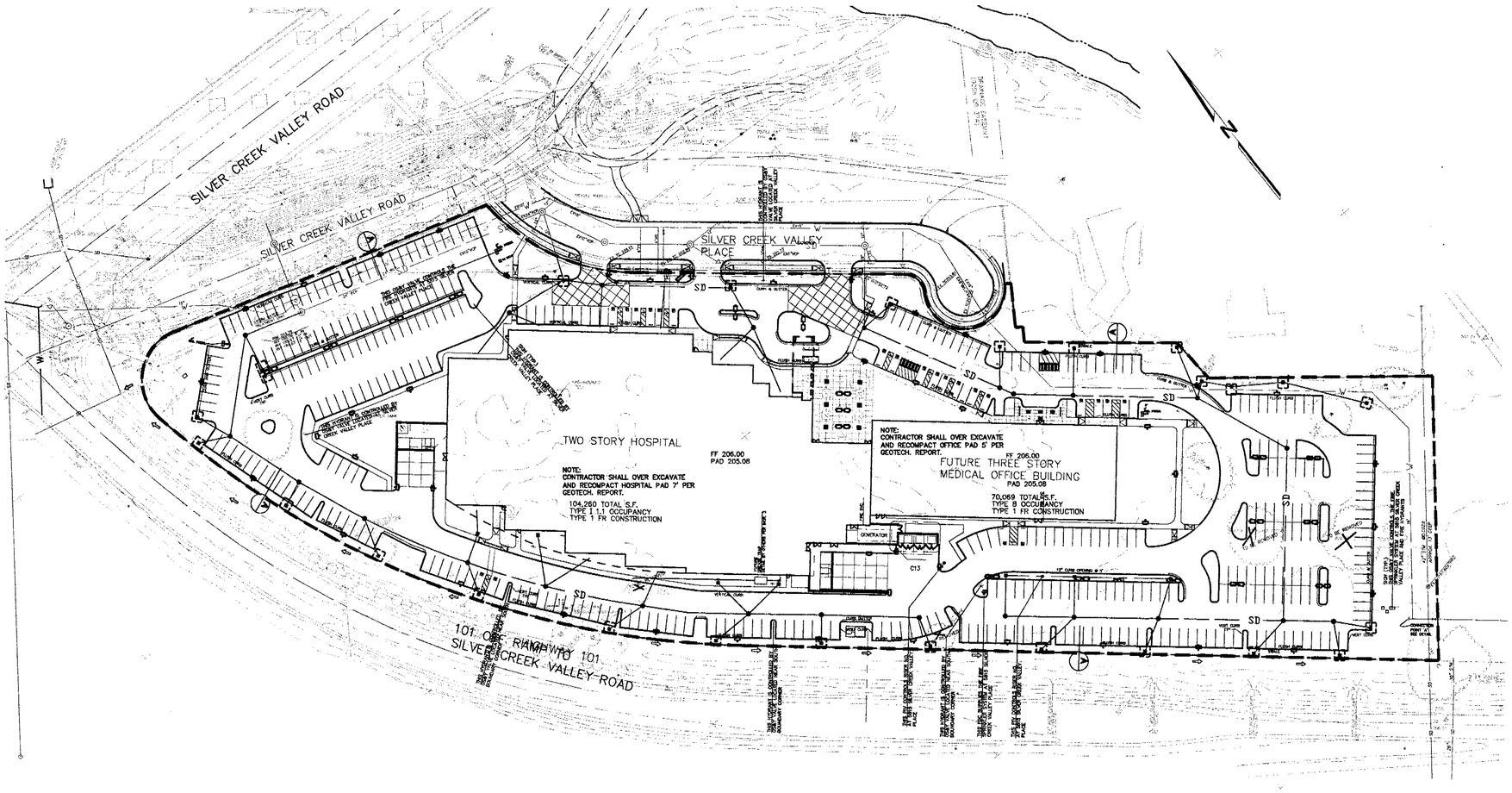
SAN JOSE CALIFORNIA

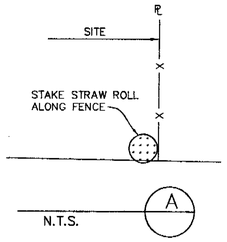
Scale
Date 03-28-07
6 of 7 Sheets
Job No. 04041A
Drawing ec-sht

NOTICE: Construction contractor agrees that in accordance with generally accepted construction practices, contractor will be required to assume sole and complete responsibility for job site conditions during the course of construction of the project, including safety of all persons and property; that this requirement shall be made to apply continuously and not be limited to normal working hours, and construction contractor further agrees to defend, indemnify and hold design professional harmless from any and all liability, real or alleged, in connection with the performance of work on this project, excepting liability arising from the sole negligence of the design professional.

Drawing file: O:\Civil\04041A\dwg\ EC-SHT1.dwg
Feb 12, 2008 - 10:01am

2/25/08





NOTES:

1. THE CONTRACTOR SHALL PROVIDE ADEQUATE DUST CONTROL OF THE STOCKPILE AREA. THE MEANS OF DUST CONTROL SHALL BE LEFT TO THE DISCRETION OF THE CONTRACTOR. THE CONTRACTOR SHALL ASSUME LIABILITY FOR CLAIMS RELATED TO WINDBLOWN MATERIAL.
2. CONTRACTOR SHALL PROVIDE STREET SWEEPING ALONG FRONTING PUBLIC STREETS AS REQUIRED TO KEEP STREET CLEAN OF PROJECT DIRT AND DEBRIS.

EROSION CONTROL LEGEND

- INLET PROTECTION
- NEW STABILIZED CONSTRUCTION ENTRANCE (SEE DETAIL)
- STRAW ROLLS
- GRAVEL BAGS AT INLETS IN EXISTING PAVEMENT
- SILT FENCE

Revisions			
Description	Mark	Date	By

WHS
Designed
Drawn
Checked

Copyright 2007 Ruth and Going, Inc. All Rights Reserved

REGISTERED PROFESSIONAL ENGINEER MICHAEL C. SHEEHY No. C029693 EXP. 3-31-09 CIVIL STATE OF CALIFORNIA
02.12.08

RUTH AND GOING, INC.
Civil Engineering Land Surveying
2216 THE ALAMEDA SANTA CLARA, CA. 95050
TEL (408) 236-2400 FAX (408) 236-2410

EROSION CONTROL PLAN 3-10584

THE CALIFORNIA CENTER FOR HEALTH CARE AND BIOMEDICAL TECHNOLOGY
SAN JOSE CALIFORNIA

Scale 1"=60'
Date 2-6-07
7 of 7 Sheets
Job No. 04-041A
Drawing EC-SHT2

NOTICE Construction contractor agrees that in accordance with generally accepted construction practices, contractor will be required to assume sole and complete responsibility for job site conditions during the course of construction of the project including safety of all persons and property, that this requirement shall be made to apply continuously and not be limited to normal working hours, and construction contractor further agrees to defend, indemnify and hold design professional harmless from any and all liability, real or alleged, in connection with the performance of work on this project, excepting liability arising from the sole negligence of the design professional.

Drawing file: Q:\Civil\04041A\dwg\ EC-SHT2.dwg
Feb 12, 2008 - 10:02am