

VICINITY MAP

SCALE: NTS

APPLICANT:

CHARLOTTE GINSBURG

CIVIL ENGINEER:

BOLTON ENGINEERING CORP.  
25834 NARBONNE AVE 3210  
LOMITA, CA 90717  
PHONE: (310) 325-5580  
ATTN: DANIEL J BOLTON, P.E.  
RCE 63290 EXP. 6/30/18  
BEC JOB NO. 14374

SOILS ENGINEER/GEOLOGIST:

HAMILTON AND ASSOCIATES  
1641 BORDER AVENUE  
TORRANCE, CA 90501  
PHONE: (310) 618-2190  
ATTN: DAVID T. HAMILTON, G.E.

BENCHMARK

BM NUMBER: GY11265  
ELEVATION (FT): 160.52  
ADJUSTMENT YEAR: 2005  
DESCRIPTION: DPW BM TAG IN S CB  
150MM(0.5FT) W/O BCR @ SW  
COR PALOS VERDES DR S &  
NARCISSA DR.

PROPERTY ADDRESS:

5500 PALOS VERDES DRIVE SOUTH  
RANCHO PALOS VERDES, CALIFORNIA 90275

FLOOD ZONE:

THE SUBJECT PROPERTY IS MAPPED AS ZONE "X".

EARTHWORK QUANTITIES:

|                       |                          |             |
|-----------------------|--------------------------|-------------|
| CUT:                  | 1232                     | CY          |
| OVEREX:               | 2372                     | CY          |
| TOTAL EXCAV:          | 3604                     | CY          |
| FILL:                 | 438                      | CY (RAW)    |
| RECOMPACTION:         | 2372                     | CY          |
| TOTAL EMBANK:         | 2810                     | CY          |
| NET:                  | 794                      | CY (EXPORT) |
| TOTAL DISTURBED AREA: | 32,100 SF<br>(0.74 ACRE) |             |

AREA 1:

| SUBAREA          | CUT | FILL |
|------------------|-----|------|
| GINSBURG:        | 13  | 42   |
| CITY:            | 449 | 340  |
| SUBTOTAL AREA 1: | 462 | 382  |

AREA 2:

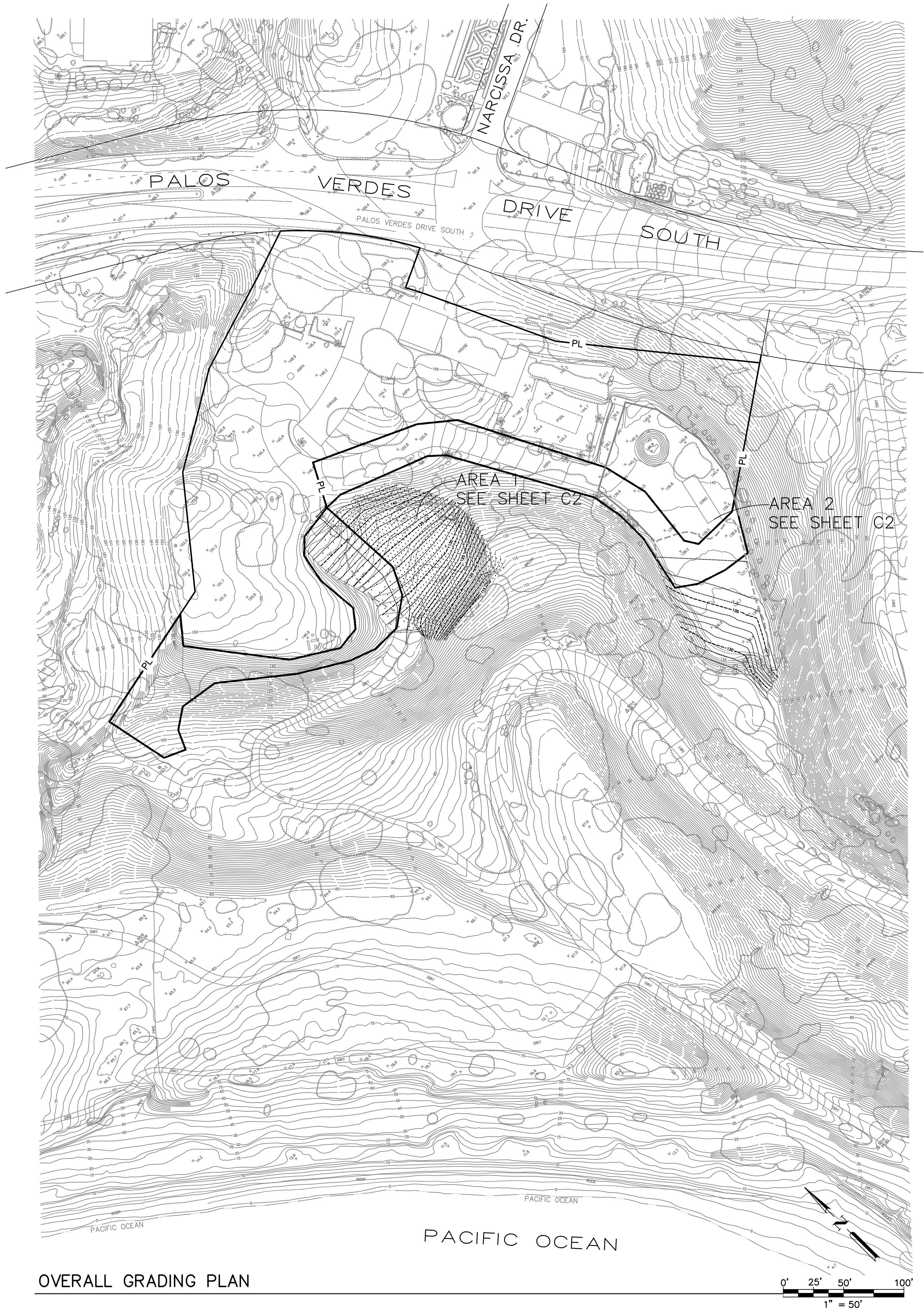
| SUBAREA           | CUT  | FILL |
|-------------------|------|------|
| GINSBURG:         | 5    | 2    |
| CITY:             | 765  | 54   |
| SUBTOTAL AREA 2:  | 770  | 56   |
| TOTAL, AREAS 1&2: | 1232 | 438  |

RANCHO PALOS VERDES NOTES:

- ALL WORK IS TO COMPLY WITH THE 2013 CALIFORNIA BUILDING CODE, APPENDIX J, AND THE REQUIREMENTS OF THE RPV MUNICIPAL CODE AVAILABLE ONLINE.
- WHERE SLOPES ARE STEEPER THAN FIVE TO ONE AND THE HEIGHT IS GREATER THAN 5 FEET, BENCHING INTO SOUND BEDROCK OR OTHER COMPETENT MATERIAL IS REQUIRED AS DETERMINED BY SOILS ENGINEER. BENCH SHALL BE 10 FEET MINIMUM IN WIDTH.
- CONTRACTOR MUST CONTACT UTILITIES FOR TIE-INS AND CONTACT PUBLIC WORKS FOR EXCAVATION IN CITY PROPERTY.
- A PRE-GRADING MEETING SHALL BE HELD PRIOR TO COMMENCEMENT OF GRADING. THIS MEETING SHALL BE ATTENDED BY THE GRADING CONTRACTOR, SOILS OR GEOLOGIC ENGINEER, CITY INSPECTOR AND THE GENERAL/GRADING CONTRACTOR AND/OR OWNER'S REPRESENTATIVE AND SHALL BE HELD AT THE SITE PRIOR TO ANY GRADING.
- ALL GRADING INSPECTIONS MUST BE MADE BY THE CONSULTING GEOLOGIST AND GEOTECHNICAL ENGINEER.
- AN AS GRADED SOILS AND GEOLOGIC REPORT MUST BE SUBMITTED AND APPROVED PRIOR TO BUILDING PERMIT ISSUANCE.
- FOUNDATION AND/OR RETAINING WALL EXCAVATIONS MUST BE INSPECTED AND APPROVED BY THE CONSULTING GEOLOGIST AND GEOTECHNICAL ENGINEER PRIOR TO PLACING OF STEEL AND CONCRETE.
- CERTIFICATION OF GRADING AND DRAINAGE SHALL BE PROVIDED ON CITY FORM WHICH IS AVAILABLE ON THE BUILDING AND SAFETY WEBSITE AT [www.palosverdes.com/rpv/planning/building-safety](http://www.palosverdes.com/rpv/planning/building-safety)
- FINAL AS-GRADED REPORT SHALL INCLUDE THE FOLLOWING INFORMATION:
  - FILL COMPACTION AND SHEAR REST DATA
  - LOCATION OF THE COMPACTION AND SHEAR TEST DATA PLOTTED ON A COPY OF THE GRADING PLAN.
  - AMOUNT OF NATURAL OR EXISTING FILL REMOVAL IF UNSATISFACTORY MATERIALS HAVE BEEN ENCOUNTERED.
  - VERIFICATION BY THE GEOTECHNICAL ENGINEER THAT THE FILL MATERIAL SHEAR VALUES MET OR EXCEEDED DESIGN VALUES UTILIZED IN THE GEOTECHNICAL REPORT.
  - ITEMS REQUIRED AS PART OF THE CONDITIONS OF GRADING PLAN APPROVAL
  - ANY CHANGED SUBSURFACE CONDITIONS REQUIRING DESIGN CHANGES.
  - ANALYSES DEMONSTRATING THAT, BASED ON ANY CHANGED DESIGN, THE SITE WILL BE SAFE FOR THE INTENDED USE AND WILL BE IN CONFORMANCE WITH STATE AND COUNTY CODES.
- CERTIFICATION OF WASTE DISPOSAL SHALL BE RECEIVED ON CITY FORM PRIOR TO FINAL.

NOTE:

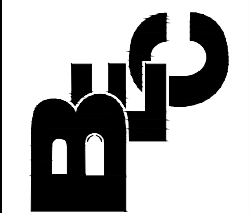
- THE PROPERTY IS LOCATED WITHIN THE LIMITS OF THE ACTIVE ABALONE COVE LANDSLIDE AREA AS SHOWN ON AN EXHIBIT PREPARED BY GEOKINETICS, DATED JUNE 2008. THE SURVEY MONUMENTS IN THE VICINITY HAVE MOVED OVER TIME AND ARE NOT CONSIDERED ACCURATE. THE LOCATION OF PROPERTY LINES SHOWN HEREON IS APPROXIMATE ONLY. THE CENTERLINE OF PALOS VERDES DRIVE SOUTH WAS ESTABLISHED FROM RECORD BEARINGS AND DISTANCES PER C.S.B. B-1082.
- AERIAL TOPOGRAPHIC SURVEY PREPARED BY WALTERS MAPS & ASSOCIATES JULY 2016.



OVERALL GRADING PLAN

Revisions By

**Bolton Engineering Corp.**  
Civil Engineering and Surveying  
25834 Narbonne Avenue Suite 210  
Lomita, Ca. 90717  
Ph: 310-325-5580 Fax: 310-325-5581

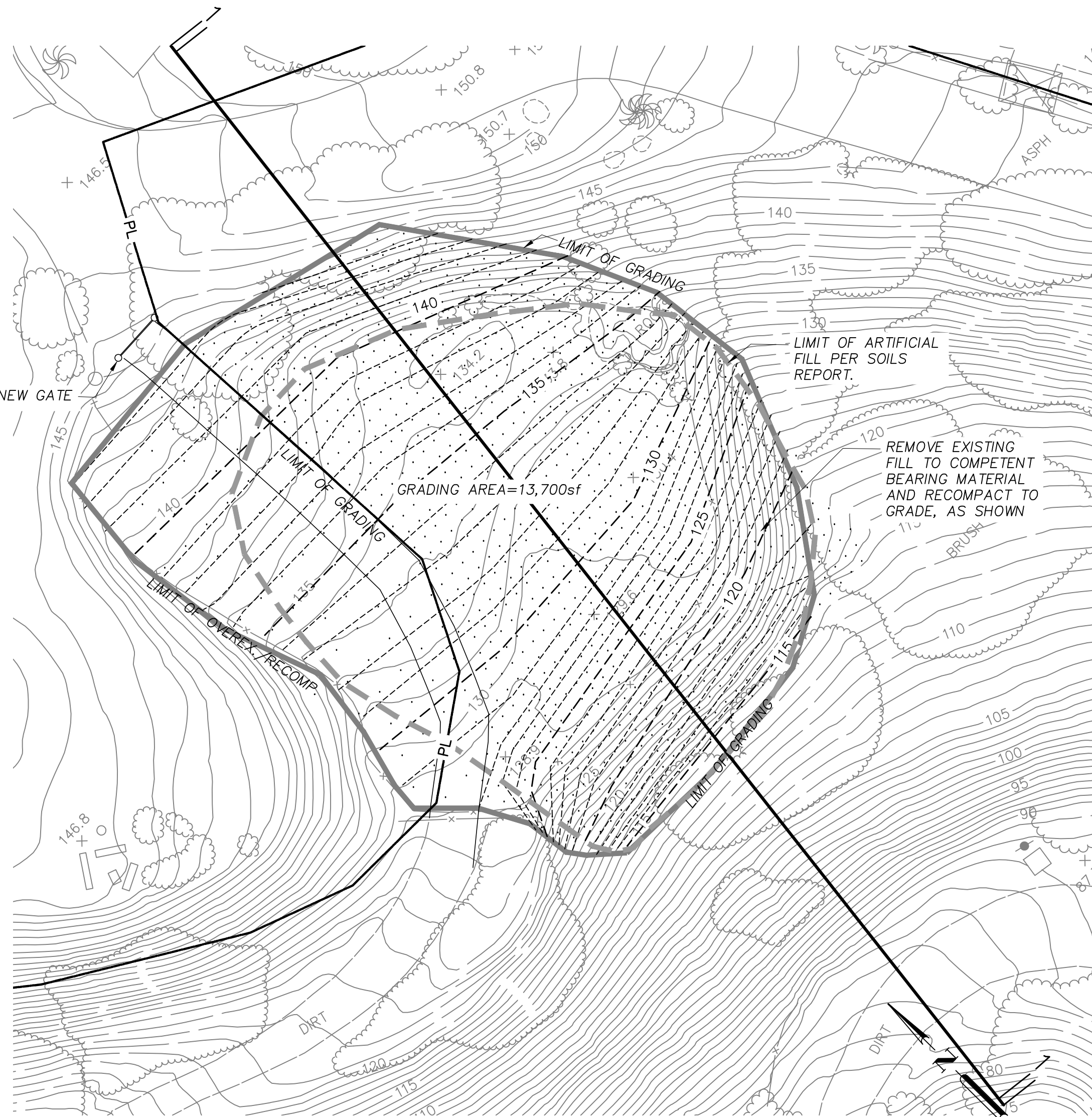


**Mr. and Mrs. Ginsburg**  
5500 PALOS VERDES DRIVE SOUTH  
RANCHO PALOS VERDES, CA

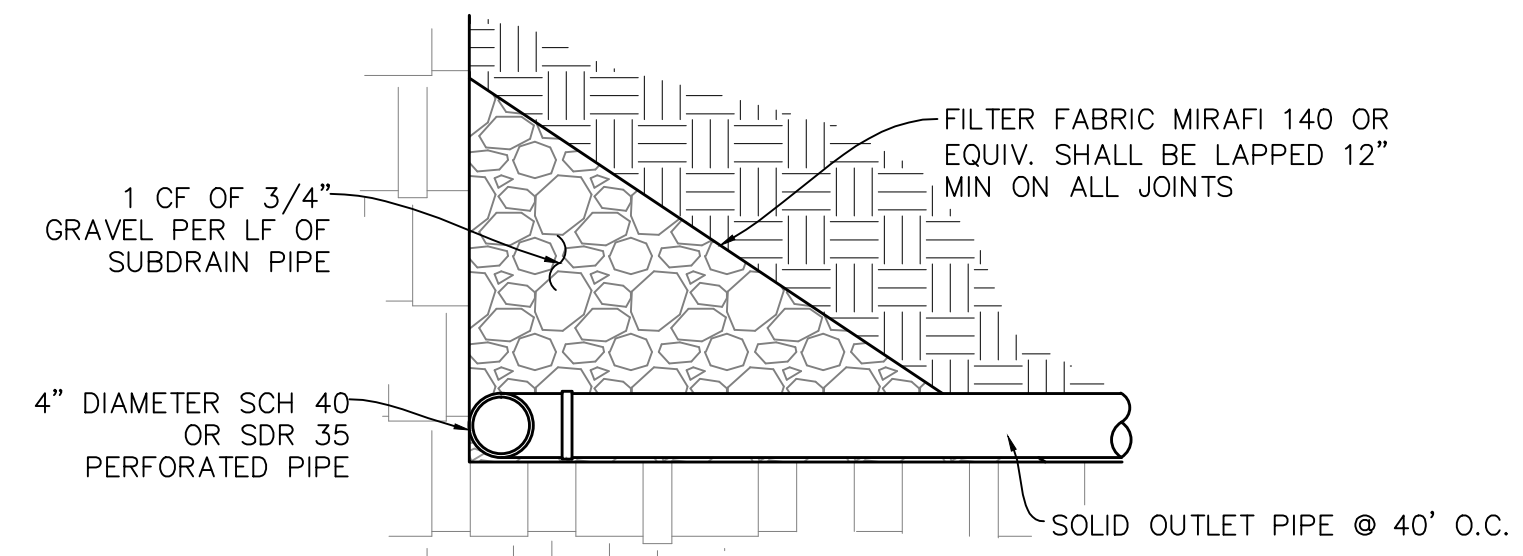
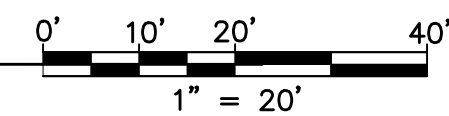
**OVERALL GRADING PLAN**  
5500 PALOS VERDES DRIVE SOUTH  
RANCHO PALOS VERDES, CA 90275

Date: November 13, 2017  
Scale: 1"= 50'  
Drawn: BGO  
Checked: DJB  
Job No. 14374  
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**C1**  
Of 1 Sheets



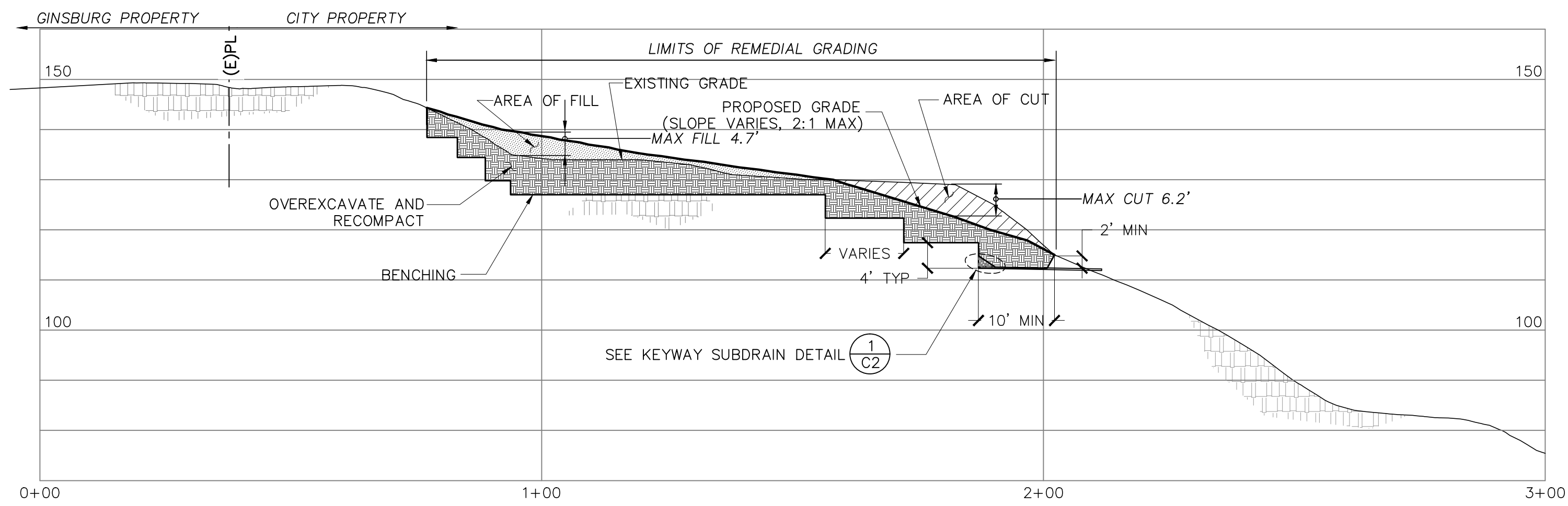


DETAIL GRADING PLAN – AREA 1

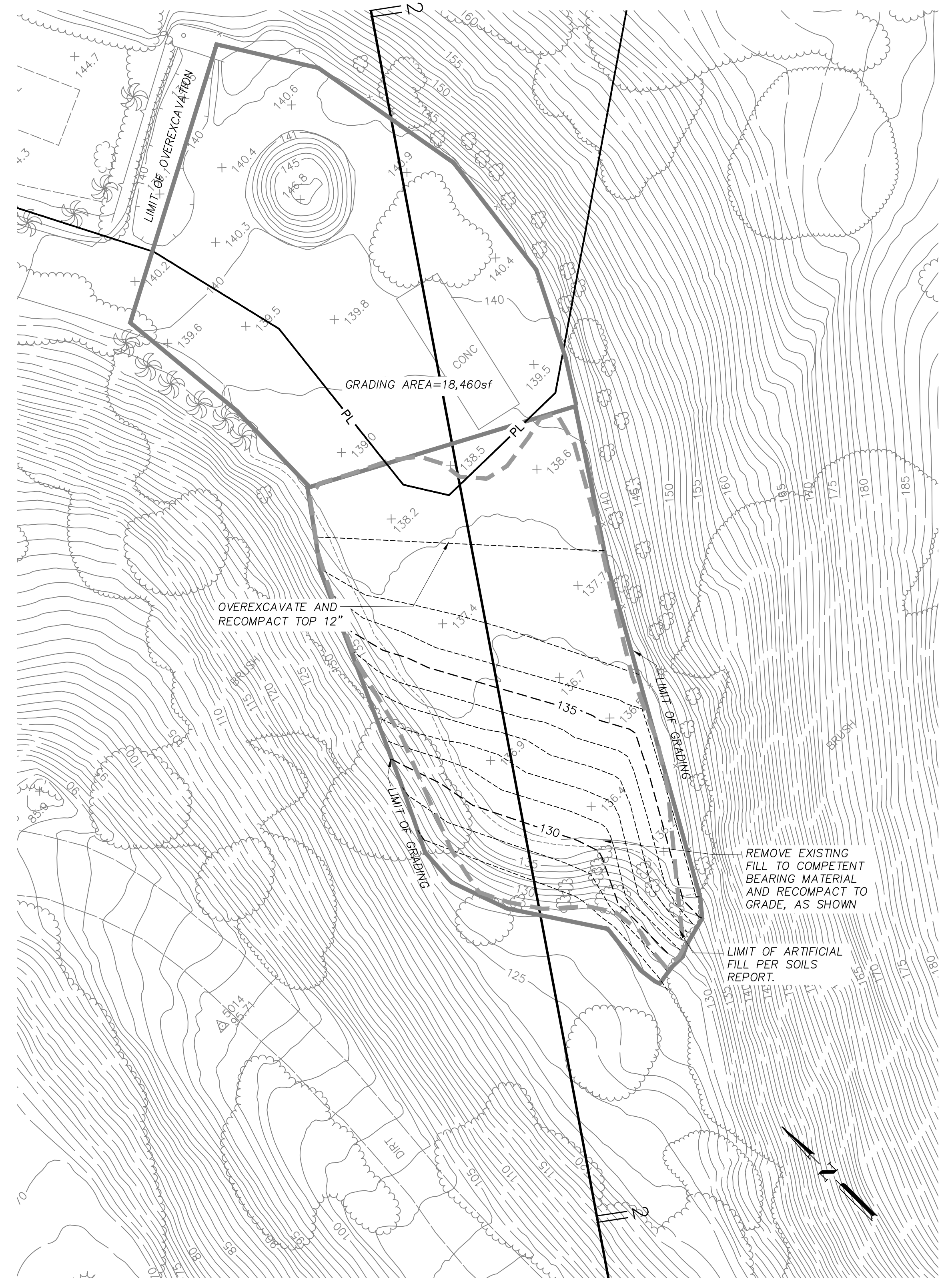


KEYWAY SUBDRAIN DETAIL  
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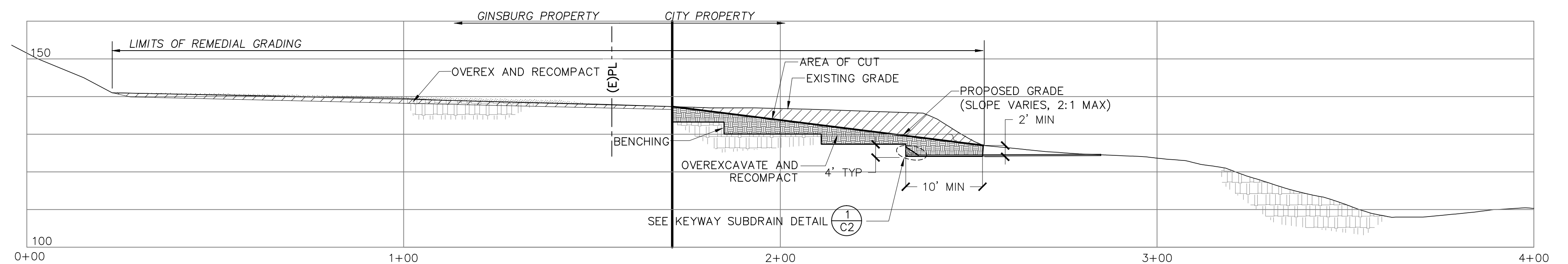
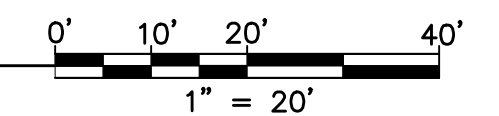
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SECTION 1



DETAIL GRADING PLAN – AREA 2



SECTION 2

| Revisions | By |
|-----------|----|
|           |    |
|           |    |
|           |    |
|           |    |
|           |    |

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**BEC**

CLIENT:

**Mr. and Mrs. Ginsburg**  
5500 PALOS VERDES DRIVE SOUTH  
RANCHO PALOS VERDES, CA

TITLE:

**DETAIL GRADING PLANS**  
5500 PALOS VERDES DRIVE SOUTH  
RANCHO PALOS VERDES, CA 90275

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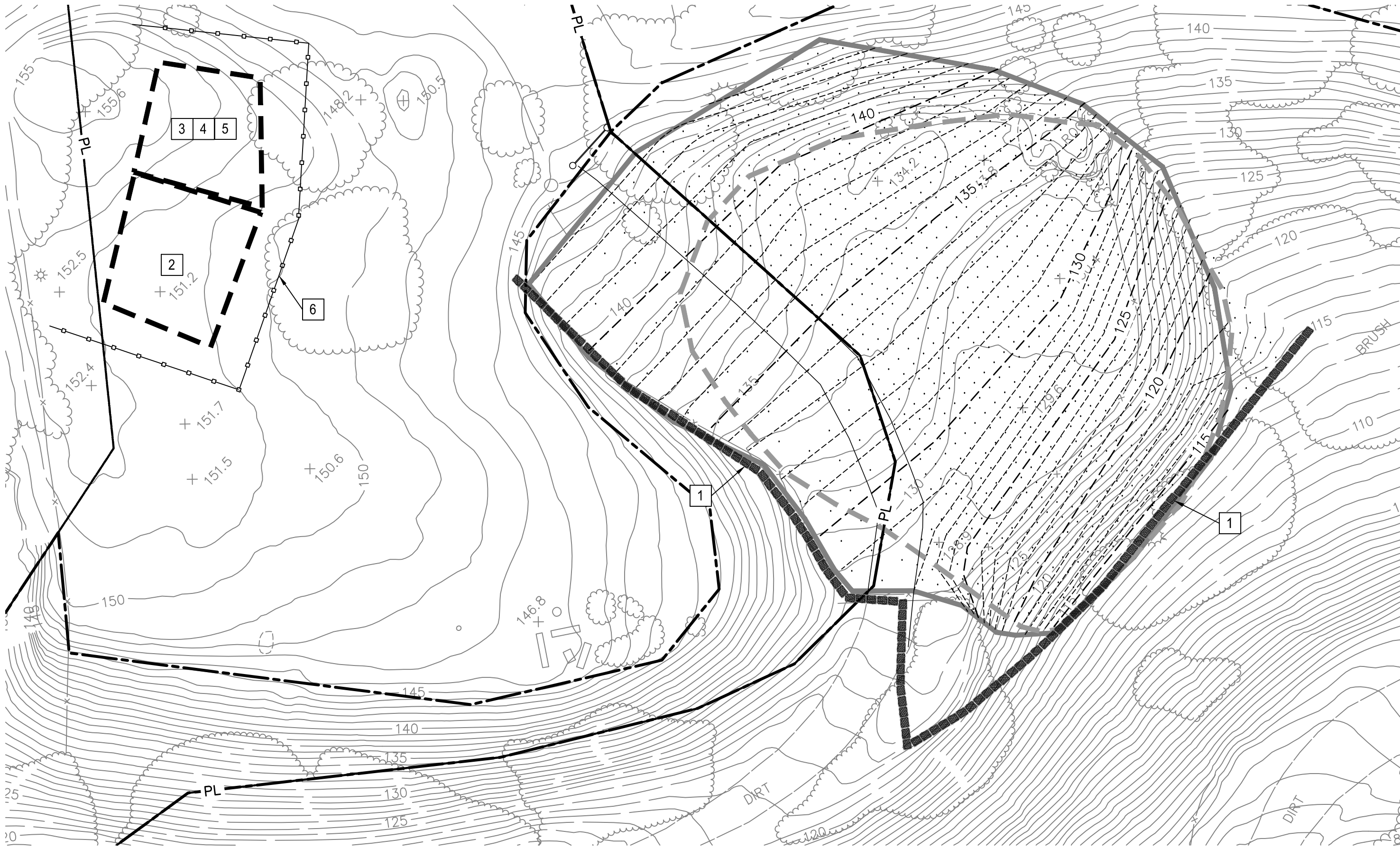
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Of

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Sheets





EROSION CONTROL PLAN – AREA 1

EROSION AND SEDIMENT CONTROL PLAN (ESCP) GENERAL NOTES:

1. IN CASE OF EMERGENCY, CALL \_\_\_\_\_ AT \_\_\_\_\_.
2. TOTAL DISTURBED AREA 34,500 SF WVID# N/A  
i- RISK-LEVEL 1 — 2 — 3 (CIRCLE ONE AS DETERMINED BY STATE GENERAL PERMIT FOR SITES GREATER THAN 1 ACRE) N/A
3. A STAND-BY CREW FOR EMERGENCY WORK SHALL BE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON (NOVEMBER 1 TO APRIL 15). NECESSARY MATERIALS SHALL BE AVAILABLE ON-SITE AND STOCKPILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF EMERGENCY DEVICES WHEN RAIN IS IMMINENT.
4. EROSION CONTROL DEVICES SHOWN ON THIS PLAN MAY BE REMOVED WHEN APPROVED BY THE BUILDING OFFICIAL IF THE GRADING OPERATION HAS PROGRESSED TO THE POINT WHERE THEY ARE NO LONGER REQUIRED.
5. GRADED AREAS ADJACENT TO FILL SLOPES LOCATED AT THE SITE PERIMETER MUST DRAIN AWAY FROM THE TOP OF SLOPE AT THE CONCLUSION OF EACH WORKING DAY. ALL LOOSE SOILS AND DEBRIS THAT MAY CREATE A POTENTIAL HAZARD TO OFF-SITE PROPERTY SHALL BE STABILIZED OR REMOVED FROM THE SITE ON A DAILY BASIS.
6. ALL SILT AND DEBRIS SHALL BE REMOVED FROM ALL DEVICES WITHIN 24 HOURS AFTER EACH RAINSTORM AND BE DISPOSED OF PROPERLY.
7. A GUARD SHALL BE POSTED ON THE SITE WHENEVER THE DEPTH OF WATER IN ANY DEVICE EXCEEDS TWO FEET. THE DEVICE SHALL BE DRAINED OR PUMPED DRY WITHIN 24 HOURS AFTER EACH RAINSTORM. PUMPING AND DRAINING OF ALL BASINS AND DRAINAGE DEVICES MUST COMPLY WITH THE APPROPRIATE BMP FOR DE-WATERING OPERATIONS.
8. THE PLACEMENT OF ADDITIONAL DEVICES TO REDUCE EROSION DAMAGE AND CONTAIN POLLUTANTS WITHIN THE SITE IS LEFT TO THE DISCRETION OF THE FIELD ENGINEER. ADDITIONAL DEVICES AS NEEDED SHALL BE INSTALLED TO RETAIN SEDIMENTS AND OTHER POLLUTANTS ON SITE.
9. DE-SILTING BASINS MAY NOT BE REMOVED OR MADE INOPERABLE BETWEEN NOVEMBER 1 AND APRIL 15 OF THE FOLLOWING YEAR WITHOUT THE APPROVAL OF THE BUILDING OFFICIAL.
10. STORM WATER POLLUTION AND EROSION CONTROL DEVICES ARE TO BE MODIFIED, AS NEEDED, AS THE PROJECT PROGRESSES, THE DESIGN AND THE PLACEMENT OF THESE DEVICES IS THE RESPONSIBILITY OF THE FIELD ENGINEER. PLANS REPRESENTING CHANGES MUST BE SUBMITTED FOR APPROVAL IF REQUESTED BY THE BUILDING OFFICIAL.
11. EVERY EFFORT SHOULD BE MADE TO ELIMINATE THE DISCHARGE OF NON-STORM WATER FROM THE PROJECT SITE AT ALL TIMES.
12. ERODED SEDIMENTS AND OTHER POLLUTANTS MUST BE RETAINED ON-SITE AND MAY NOT BE TRANSPORTED FROM THE SITE VIA SHEET FLOW, SWALES, AREA DRAINS NATURAL DRAINAGE COURSES OR WIND.
13. STOCKPILES OF EARTH AND OTHER CONSTRUCTION-RELATED MATERIALS MUST BE PROTECTED FROM BEING TRANSPORTED FROM THE SITE BY THE FORCES OF WIND OR WATER.
14. FUELS, OILS, SOLVENTS AND OTHER TOXIC MATERIALS MUST BE STORED IN ACCORDANCE WITH THEIR LISTING AND ARE NOT TO CONTAMINATE THE SOILS AND SURFACE WATERS. ALL APPROVED STORAGE CONTAINERS ARE TO BE PROTECTED FROM THE WEATHER. SPOOLS MUST BE CLEANED UP IMMEDIATELY AND DISPOSED OF IN A PROPER MANNER. SPILLS MAY NOT BE WASHED INTO THE DRAINAGE SYSTEM.
15. EXCESS OR WASTE CONCRETE MAY NOT BE WASHED INTO THE PUBLIC WAY OR ANY OTHER DRAINAGE SYSTEM. PROVISIONS SHALL BE MADE TO RETAIN CONCRETE WASTES ON-SITE UNTIL THEY CAN BE DISPOSED OF AS SOLID WASTE.
16. DEVELOPERS/ CONTRACTORS ARE RESPONSIBLE TO INSPECT ALL EROSION CONTROL DEVICES AND BMPS ARE INSTALLED AND FUNCTIONING PROPERLY IF THERE IS A 50% OR GREATER PROBABILITY OF PREDICTED PRECIPITATION, AND AFTER ACTUAL PRECIPITATION. A CONSTRUCTION SITE INSPECTION CHECKLIST AND INSPECTION LOG SHALL BE MAINTAINED AT THE PROJECT SITE AT ALL TIMES AND AVAILABLE FOR REVIEW BY THE BUILDING OFFICIAL (COPIES OF THE SELF-INSPECTION CHECKLIST AND INSPECTION LOGS ARE AVAILABLE UPON REQUEST).
17. TRASH AND CONSTRUCTION-RELATED SOLID WASTES MUST BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION OF RAINWATER AND DISPERSAL BY WIND.
18. SEDIMENTS AND OTHER MATERIALS MAY NOT BE TRACKED FROM THE SITE BY VEHICLE TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS MUST BE STABILIZED SO AS TO INHIBIT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC WAY. ACCIDENTAL DEPOSITIONS MUST BE SWEEPED UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS.
19. ANY SLOPES WITH DISTURBED SOILS OR DENUDED OF VEGETATION MUST BE STABILIZED SO AS TO INHIBIT EROSION BY WIND OR WATER.
20. AS THE ENGINEER/ QSD OF RECORD, I HAVE SELECTED APPROPRIATE BMPS TO EFFECTIVELY MINIMIZE THE NEGATIVE IMPACTS OF THIS PROJECT'S CONSTRUCTION ACTIVITIES ON STORM WATER QUALITY. THE PROJECT OWNER AND CONTRACT ARE AWARE THAT THE SELECTED BMPS MUST BE INSTALLED, MONITORED, AND MAINTAINED TO ENSURE THEIR EFFECTIVENESS.

CIVIL ENGINEER / QSD SIGNATURE

DATE

21. THE FOLLOWING NOTES MUST BE ON THE PLAN:

AS THE PROJECT OWNER OR AUTHORIZED AGENT OR THE OWNER, "I CERTIFY THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH THE SYSTEM DESIGNED TO ENSURE THAT A QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE INFORMATION SUBMITTED IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT BY SUBMITTING FALSE AND/OR INACCURATE INFORMATION, FAILING TO UPDATE THE ESCP TO REFLECT CURRENT CONDITIONS, OR FAILING TO PROPERLY AND/OR ADEQUATELY IMPLEMENT THE ESCP MAY RESULT IN REVOCATION OF GRADING AND/OR OTHER PERMITS AND OTHER SANCTIONS PROVIDED BY LAW."

OWNER OR AUTHORIZED REPRESENTATIVE (PERMITTEE)

DATE

22. DEVELOPERS/CONTRACTORS ARE RESPONSIBLE TO INSPECT ALL EROSION CONTROL DEVICES AND BMPS AREA INSTALLED AND FUNCTION PROPERLY AS REQUIRED BY THE STATE CONSTRUCTION GENERAL PERMIT. A CONSTRUCTION SITE INSPECTION CHECKLIST AND INSPECTION LOG SHALL BE MAINTAINED AT THE PROJECT SITE AT ALL TIMES AND AVAILABLE FOR REVIEW BY THE BUILDING OFFICIAL.

EROSION CONTROL

- EC1 SCHEDULING
- EC2 PRESERVATION OF EXISTING VEGETATION
- EC3 HYDRAULIC MULCH
- EC4 HYDROSEEDING
- EC5 SOIL BINDERS
- EC6 STRAW MULCH
- EC7 GEOTEXTILES AND MATS
- EC8 WOOD MULCHING
- EC9 EARTH DIKES AND DRAINAGE SYSTEMS
- EC10 VELOCITY DISSIPATION DEVICES
- EC11 SLOPE DRAINS
- EC12 STREAMBANK STABILIZATION
- EC13 RESERVED
- EC14 COMPOST BLANKETS
- EC15 SOIL PRESERVATION/ROUGHENING
- EC16 NON-VEGETATED STABILIZATION

TEMPORARY SEDIMENT CONTROL

- SC1 SILT FENCE
- SC2 SEDIMENT BASIN
- SC3 SEDIMENT TRAP
- SC4 CHECK DAM
- SC5 FIBER ROLLS
- SC6 GRAVEL BAG BERM
- SC7 STREET SWEEPING AND VACUUMING
- SC8 SANDBAG BARRIER
- SC9 STRAW BALE BARRIER
- SC10 STORM DRAIN INLET PROTECTION
- SC11 ACTIVE TREATMENT SYSTEMS
- SC12 TEMPORARY SILT DIKE
- SC13 COMPOST SOCKS & BERMS
- SC14 BIOFILTER BAGS

WIND EROSION CONTROL

- WE1 WIND EROSION CONTROL

NON-STORMWATER MANAGEMENT

- NS1 WATER CONSERVATION PRACTICES
- NS2 DE-WATERING OPERATIONS
- NS3 PAVING AND GRINDING OPERATIONS
- NS4 TEMPORARY STREAM CROSSING
- NS5 CLEAN WATER DIVERSION
- NS6 ILLICIT CONNECTION/DISCHARGE
- NS7 POTABLE WATER/IRRIGATION
- NS8 VEHICLE AND EQUIPMENT CLEANING
- NS9 VEHICLE AND EQUIPMENT FUELING
- NS10 VEHICLE AND EQUIPMENT MAINTENANCE
- NS11 PILE DRIVING OPERATIONS
- NS12 CONCRETE CURING
- NS13 CONCRETE FINISHING
- NS14 MATERIAL AND EQUIPMENT USE
- NS15 DEMOLITION ADJACENT TO WATER
- NS16 TEMPORARY BATCH PLANTS

WASTE MANAGEMENT AND MATERIAL POLLUTION CONTROL

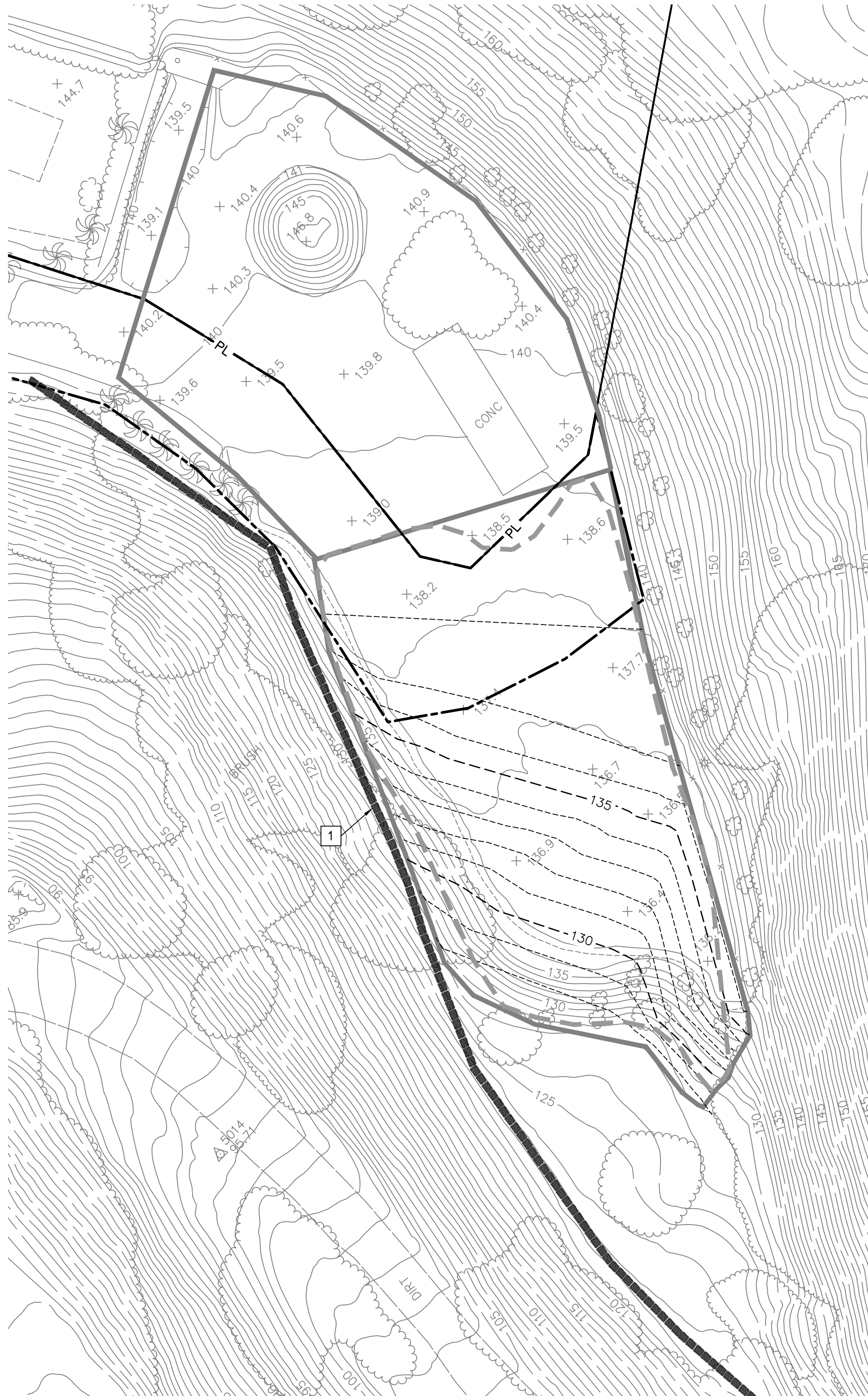
- WM1 MATERIAL DELIVERY AND STORAGE
- WM2 MATERIAL USE
- WM3 STOCKPILE MANAGEMENT
- WM4 SPILL PREVENTION AND CONTROL
- WM5 SOLID WASTE MANAGEMENT
- WM6 HAZARDOUS WASTE MANAGEMENT
- WM7 CONTAMINATION SOIL MANAGEMENT
- WM8 CONCRETE WASTE MANAGEMENT
- WM9 SANITARY SEPTIC WASTE MANAGEMENT
- WM10 LIQUID WASTE MANAGEMENT

EQUIPMENT TRACKING CONTROL

- TC1 STABILIZED CONSTRUCTION ENTRANCE EXIT
- TC2 STABILIZED CONSTRUCTION ROADWAY
- TC3 ENTRANCE/OUTLET TIRE WASH

EROSION CONTROL NOTES

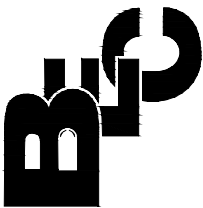
- 1 PLACE 3 HIGH SANDBAG ALONG PERIMETER PER SC-8.
- 2 STOCKPILE AREA; COVER WITH PLASTIC TARPS OR OTHER MEASURES PER WM-3.
- 3 MATERIALS DELIVERY AND STORAGE AREA PER WM-1, 2, 3, AND 4.
- 4 WASTE COLLECTION AREA PER WM-5, 6, 7, AND 9.
- 5 VEHICLE AND EQUIPMENT MAINTENANCE PER NS- 8, 9, AND 10
- 6 SILT FENCE PER SC-1
- 7 ENTIRE SITE - APPLY WIND EROSION CONTROL MEASURES PER WE-1.



EROSION CONTROL PLAN – AREA 2

Revisions By

**Bolton Engineering Corp.**  
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CLIENT: **Dr. and Mrs. Ginsburg**  
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5500 PALOS VERDES DRIVE SOUTH  
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