

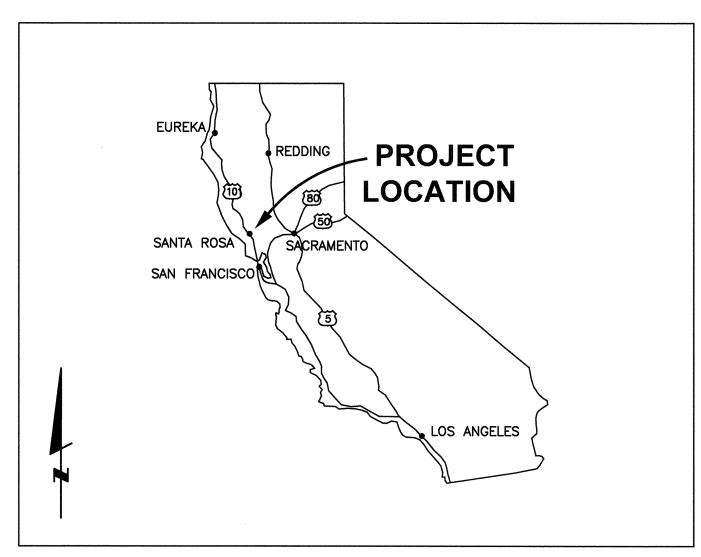
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CONTRACT NO. C00491

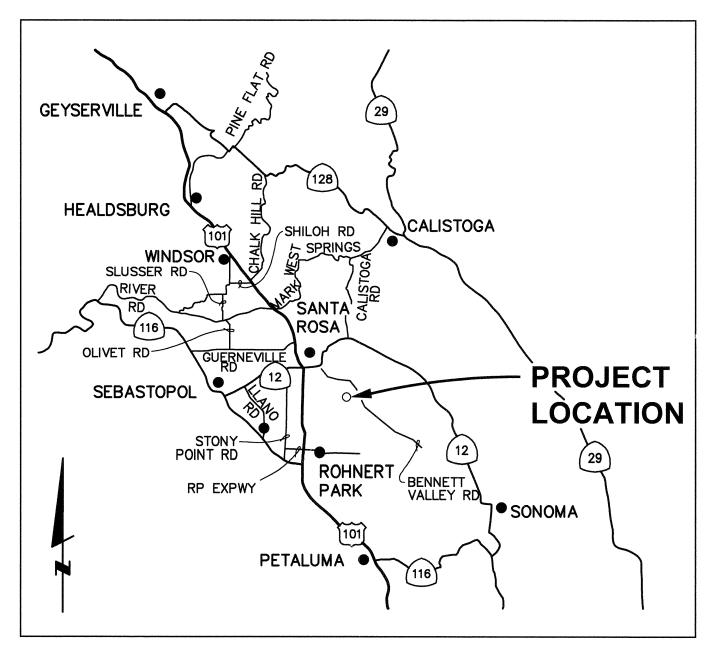
IMPROVEMENT PLANS FOR

R9C TANK DECOMMISSION AND DEMOLITION

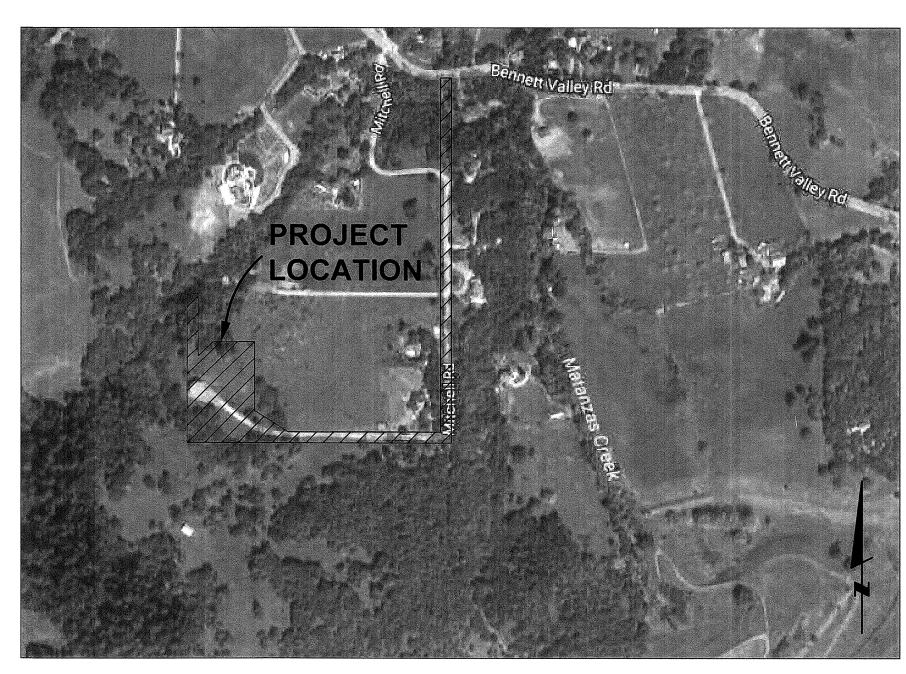
CONTRACT No. C00491 APN# 049-170-017 4788 BENNETT VALLEY ROAD, SONOMA COUNTY, CA 95404



VICINITY MAP NOT TO SCALE



LOCATION MAP NOT TO SCALE



SITE LOCATION MAP NOT TO SCALE

BEFORE EXCAVATING CALL U.S.A. UNDERGROUND SERVICE ALERT 811 or 800-227-2600 TWO WORKING DAYS BEFORE ALL PLANNED WORK OPERATIONS

PROJECT START:	WATER SERVICE TYPE:
PROJECT END:	MANUFACTURER:
GEN. CONTRACTOR:	FIRE HYDRANT TYPE:
SUPERINTENDENT:	MANUFACTURER:
UNDERGROUND	INSPECTOR:
CONTRACTOR:	CONSTRUCTION
FOREMAN:	MANAGER:
SEWER PIPE TYPE:	RECORD PLANS BY:
MANUFACTURER:	BUILDING PERMIT NO.
SEWER FITTINGS MANUFACTURER:	ADDITIONAL INFO:
M.H. MANUFACTURER:	
WATER PIPE TYPE:	
MANUFACTURER:	
WATER VALVE MANUFACTURER:	
WATER FITTINGS MANUFACTURER:	

PURPOSE STATEMENT:

STORAGE TANK AND ASSOCIATED UTILITIES

CITY OF SANTA ROSA

CONTACT INFORMATION:

MARK KASRAIE

TRANSPORTATION AND PUBLIC WORKS DEPARTMENT **69 STONY CIRCLE**

SANTA ROSA, CA 95401

PARCEL AREA:

3.29 ACRES

DISTURBED AREA:

REFERENCE DATUM

0.81 ACRES CUT = 250 CY FILL = 250 CY

NGVD29

CITY OF SANTA ROSA BENCHMARK B177

ELEVATION = 276.18'

EXISTING GROUND SLOPE

EXCEEDING 10%:

TANK DATA:

DIAMETER = 76 FT

INDEX TO SHEETS

Sheet No.	Title
1.	COVERISHEET
2.	GENERAL NOTES, ABBREVIATIONS AND LEGEND
3.	CITY OF SANTA ROSA GENERAL NOTES
4.	EXISTING SITE AND SURVEY CONTROL PLAN
5.	HAZARDOUS MATERIALS ABATEMENT PLAN
6.	SITE DEMOLITION PLAN
7.	WATER LINE ABANDONMENT PLAN
8.	SITE IMPROVEMENT PLAN
9.	EROSION CONTROL PLAN
10.	DETAILS

FINAL PAY QUANTITIES

Roadway Excavation (F)

500 CY

			₩				
GENERAL NOTES	ABBREVIATIONS		LEGEND			GHD Inc.	SA GLEN
1. ALL WORKMANSHIP, MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE CITY OF SANTA ROSA STANDARD PLANS, THE CONSTRUCTION SPECIFICATIONS FOR PUBLIC IMPROVEMENTS, THE SPECIAL PROVISIONS FOR THIS PROJECT AND THE STATE STANDARD SPECIFICATIONS AND STANDARD PLANS. THE CONTRACTOR IS RESPONSIBLE FOR UNDERSTANDING ALL STANDARDS PERTAINING TO THIS PROJECT.	AB AGGREGATE BASE, ABANDONED ABAN ABANDONED AC ASPHALTIC CONCRETE ACP ASBESTOS CEMENT PIPE AGG AGGREGATE APN ASSESSORS PARCEL NUMBER	(N) NEW, NORTH (NE) NORTHEAST (NW) NORTHWEST N/A NOT APPLICABLE NAVD NORTH AMERICAN VERTICAL DATUM N/O NORTH OF		APPROXIMATE PARCEL LINE / BOUNDARY	<u>NEW</u> N/A	2235 Mercury Way, Suite 150 Santa Rosa, California 95407 US T 1 707 523 1010 F 1 707 527 8 W www.ghd.com	
 THE CONTRACTOR SHALL CALL UNDERGROUND SERVICE ALERT (USA) AT 811 OR 1-800-227-2600 NO LESS THAN 2 WORKING DAYS PRIOR TO ANY EXCAVATION FOR MARK OUTS OF EXISTING UNDERGROUND FACILITIES IN ACCORDANCE WITH SECTION 5-1.36E OF THE SPECIAL PROVISIONS. THE LOCATIONS OF UNDERGROUND UTILITIES AND OTHER OBSTACLES SHOWN ON THE PLANS ARE BASED ON THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL POTHOLE AND DETERMINE THE EXACT LOCATION OF ALL POTENTIAL CONFLICTS IN ACCORDANCE WITH U.S.A. LAWS AND THESE SPECIAL PROVISIONS AND THE STANDARD SPECIFICATIONS. IF ANY UNMARKED UTILITIES ARE ENCOUNTERED, OR IF UNABLE TO LOCATE A MARKED UTILITY AFTER POT HOLING, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER OF THAT UTILITY AND THE CITY ENGINEER. THE CONTRACTOR SHALL PROTECT AND PRESERVE CITY MONUMENTS. THE CONTRACTOR SHALL COORDINATE WITH THE CITY ENGINEER 10 WORKING DAYS IN ADVANCE FOR REFERENCING OF EXISTING MONUMENTS TO BE DISTURBED. THE CONTRACTOR SHALL RECONSTRUCT DISTURBED MONUMENTS IN ACCORDANCE WITH CITY STANDARD 280. OVERHEAD UTILITY SERVICE DROPS ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL INVESTIGATE THE SITE AND BE AWARE OF LIMITED CLEARANCES UNDER OVERHEAD UTILITY LINES AND LOW HANGING TREE BRANCHES. THE CONTRACTOR'S TRUCKS AND EXCAVATION EQUIPMENT SHALL BE SIZED SO THAT OVERHEAD WIRES AND THEE BRANCHES ARE NOT DAMAGED. ALL EXCAVATED MATERIAL SHALL BE DISPOSED OF AS GENERATED AND AT NO TIME SHALL THE CONTRACTOR PLACE EXCAVATED MATERIAL AT THE WORK SITE. THE CONTRACTOR SHALL ONLY REMOVE EXISTING TREES OR SHRUBS AS NOTED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. ALL LANDSCAPING AND IRRIGATION SYSTEMS OR OTHER PRIVATE IMPROVEMENTS DISTURBED BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED IN KIND OR AS DIRECTED BY THE CITY ENGINEER. CAUTION SHALL BE EXERCISED WHEN EXCAVATING WITHIN THE DRIPLINE OF ANY 	C COMMUNICATION C&G CURB & GUTTER CATV CABLE TELEVISION CB CATCH BASIN CDF CONTROL DENSITY FILL CI CAST IRON Q CENTERLINE CL CLASS CMP CORRUGATED METAL PIPE CONC CONCRETE CP CONCRETE CP CONCRETE DIP DEPARTMENT DI DROP INLET DIA, Ø DIAMETER DIP DUCTILE IRON PIPE DWG DRAWING DWY DRIVEWAY (E) EAST, EXISTING E ELECTRICAL EC END OF CURVE ECC END OF COMPOUND CURVE ELEC ELECTRIC EG EXISTING GRADE EJ EXPANSION JOINT EL. ELEV ELEVATION EP EDGE OF PAVEMENT EX, EXIST EXISTING FC FACE OF CURB FES FLARED END SECTION FG FINISH GRADE (UNPAVED) FH FIRE HYDRANT FL FLOWLINE FLG FLOW LINE OF GUTTER FND FOUNDATION	NO NUMBER NTS NOT TO SCALE O.C. ON CENTER OH OVERHEAD OCPI OPEN CONCRETE PIPE INLET OMPI OPEN METAL PIPE INLET PB POINT OF BEGINNING PCC PORTLAND CEMENT CONCRETE, POINT OF COMPOUND CURVE PERF PERFORATED PI POINT OF INTERSECTION PL PROPERTY LINE / POWER LINE PP POWER POLE PT POINT PVC POLYVINYL CHLORIDE R RADIUS RC RELATIVE COMPACTION RCP REINFORCED CONCRETE PIPE RD ROAD RECP ROLLED EROSION CONTROL PRODUCT RET RETAINING ROW RIGHT-OF-WAY RPM RAISED PAVEMENT MARKER RSP ROCK SLOPE PROTECTION RT RIGHT OFFSET FROM CENTERLINE RW RIGHT OF WAY S SLOPE, SEWER (S) SOUTH SCH SCHEDULE SD STORM DRAIN SDMH STORM DRAIN MANHOLE SHT SHEET SL STREET LIGHT	550 X X X 15" CL III RCP	MAJOR CONTOUR CHAIN-LINK FENCE BARBED WIRE FENCE FLOWLINE TREE / SHRUB SURVEY CONTROL POINT MONITORING WELL	N/A		City of Santa Rosa
TREE SHOWN ON THE PLANS TO BE PROTECTED. ROOTS LARGER THAN 2 INCHES SHALL NOT BE CUT WITHOUT PERMISSION FROM THE CITY ENGINEER. IN THE EVENT THAT A TREE ROOT LARGER THAN 2 INCHES NEEDS TO BE REMOVED, THE ROOT PRUNING SHALL BE PERFORMED BY A LICENSED ARBORIST APPROVED BY THE CITY ENGINEER, AT THE CONTRACTOR'S EXPENSE. 10. THE CONTRACTOR SHALL MAINTAIN REASONABLE ACCESS TO ALL DRIVEWAYS DURING CONSTRUCTION PER SECTION 7-1.03 AND 7-1.04 OF THE STATE STANDARD SPECIFICATIONS. 11. ALL TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND CITY OF SANTA ROSA STREETS AND CALTRANS STANDARD PLANS. ALL SIGNS SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION TO PROVIDE PROPER VISIBILITY. 12. SIGNAGE SHALL BE CONSTRUCTED WITH RETROREFLECTIVE MATERIAL ON A BACKING OF METAL OR FABRIC. FOR SIGNS DIRECTED TO PEDESTRIANS ONLY, CORRUGATED PRINTED SIGNS MAY BE USED. SIGNS SHALL BE REMOVED OR COVERED WHEN NOT REQUIRED. 13. THE CONTRACTOR SHALL HAVE A CLASS "A" LICENSE. 14. TRENCHING, PAVING, PIPE BEDDING AND BACKFILL REQUIREMENTS SHALL BE PER CITY OF SANTA ROSA STANDARD PLAN 215, UON. 15. THE CONTRACTOR SHALL NOTIFY PG&E A MINIMUM OF 48 HOURS IN ADVANCE OF ANY EXCAVATIONS WITHIN 10 FEET OF ANY EXISTING PG&E POWER AND GAS UTILITIES. 16. THE CONTRACTOR SHALL OBTAIN A WELL DESTRUCTION PERMIT FROM THE SONOMA COUNTY PERMIT AND RESOURCE MANAGEMENT DEPARTMENT WELL AND SEPTIC DIVISION. 17. THE CONTRACTOR PERFORMING THE WELL DESTRUCTION WORK SHALL BE A LICENSED C-57 WELL DRILLING CONTRACTOR.		SS SANITARY SEWER SSCO SANITARY SEWER CLEANOUT SSMH SANITARY SEWER MANHOLE ST STREET STA STATION STD STANDARD (T) SOUTHEAST (SW) SOUTHWEST S/W SIDEWALK T, TEL TELEPHONE, TELEMETRY TB TOP OF BANK TC TOP OF GRATE TOC TOP OF CONCRETE TOC TOP OF CONCRETE TOE TOE OF FEATURE TOP TOP OF WALL TP TOP OF WALL TP TOP OF CONCRETE PAD, TIE POINT TYP TYPICAL UG UNDERGROUND UON UNLESS OTHERWISE NOTED VAR VARIES VCP VITRIFIED CLAY PIPE VERT VERTICAL VLT VAULT (W) WEST W/ WITH W WATER WM WATER METER, WATER MAIN WIRE MESH WS WATER SERVICE WV WATER SERVICE WV WATER SERVICE	N/A N/A N/A N/A N/A N/A N/A	WATER SERVICE AND METER FIRE HYDRANT SILT FENCE FIBER ROLL ABANDON OR REMOVE (E) FACILITY ASPHALT PAVEMENT EDGE OVERHEAD ELECTRIC LINE BOLLARD DRAINAGE FLOWLINE AND DIRECTION EARTHWORK CUT BOUNDARY —	N/A N/A N/A SF ————————————————————————————————————		SCALE: NONE DWN BY: TM/CB CHK BY: MGK APPROVED: Deputy Director - Engineering
		NOTES: 1. SOME ABBREVIATIONS MAY BE USED IN COMBINATION. 2. REFER TO CALTRANS STANDARD PLANS A10A AND A10B FOR ABBREVIATIONS NOT LISTED.	N/A N/A	GRAVEL SURFACE RECP AND HYDROSEED STABILIZED CONSTRUCTION ENTRANCE PER CALTRANS DETAIL TC-1 SLOPE DIRECTION			City of Santa Rosa R9C TANK DECOMMISSION AND DEMOLITION
							CONTRACT

Santa Rosa
Transportation & Public Works

AND DEMOLITION
GENERAL NOTES, ABBREVIATIONS
AND LEGEND

NTRACT NO.

SHEET 2 OF 10 FILE NO. 2018-0006 NO GRADING, CLEARING OR GRUBBING SHALL BE PERFORMED PRIOR TO ISSUANCE OF A GRADING PERMIT BY THE CITY OF SANTA ROSA.

CONTRACTOR SHALL OBTAIN A DE-WATERING PERMIT FROM THE NORTH COAST REGIONAL WATER QUALITY CONTROL BOARD FOR ANY DE-WATERING OPERATIONS THAT ARE USED TO MANAGE THE REMOVAL OF GROUND WATER FROM EXCAVATIONS WITH THE INTENT OF DOWNSTREAM DISCHARGE TO THE WATERS OF THE STATE OR THE STORM DRAIN SYSTEM. WHEN GROUNDWATER IS TO BE DISCHARGED TO THE SEWER PRIOR APPROVAL MUST BE OBTAINED FROM THE CITY OF SANTA ROSA INDUSTRIAL WASTE DIVISION.

A NOTICE OF INTENT TO COMPLY WITH THE TERMS OF THE GENERAL PERMIT TO DISCHARGE STORM WATER ASSOCIATED WITH CONSTRUCTION ACTIVITY MUST BE FILED WITH THE NORTH COAST REGIONAL WATER QUALITY CONTROL BOARD PRIOR TO THE ISSUANCE OF ANY GRADING PERMIT (CALL 707-576-2220 FOR INFORMATION).

TEMPORARY STOCKPILES SHALL NOT BE LOCATED WITHIN CREEK SETBACK AREAS, PROTECTED VEGETATION/TREE AREAS OR WITHIN 10 FEET OF AN ADJACENT RESIDENTIAL PROPERTY LINE. STOCKPILES HIGHER THAN 2.5 FEET SHALL NOT BE WITHIN 50 FEET OF AN ADJACENT RESIDENTIAL PROPERTY LINE.

TEMPORARY STOCKPILES MUST BE REMOVED BY COMPLETION OF GRADING ACTIVITIES. OTHERWISE A SEPARATE TEMPORARY USE PERMIT AND GRADING PERMIT ARE REQUIRED FOR THE STOCKPILE.

DUST CONTROL SHALL BE PROVIDED BY CONTRACTOR DURING ALL PHASES OF CONSTRUCTION.

GRADING SHALL OCCUR ONLY BETWEEN MAY I AND OCTOBER I UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER OR CHIEF BUILDING OFFICIAL IN CONJUNCTION WITH AN APPROVED EROSION AND SEDIMENT CONTROL PLAN AND A GRADING SCHEDULE TO BE SUBMITTED TO COMMUNITY DEVELOPMENT ENGINEERING WITH THE GRADING PERMIT APPLICATION. WINTERIZATION OF THE PROJECT SHALL BE THE FIRST ORDER OF WORK.

SITE GRADING SHALL BE DONE UNDER OBSERVATION OF THE ENGINEER AND SHALL BE IN COMPLIANCE WITH CHAPTER 18 APPENDIX J, OF THE 2016 EDITION OF THE CALIFORNIA BUILDING CODE.

EXISTING NON-COMPLYING FILLS AS IDENTIFIED IN THE PROJECT GEOTECHNICAL INVESTIGATION SHALL BE REMOVED OR BROUGHT INTO COMPLIANCE WITH CHAPTER 18, AND APPENDIX J, 2016 EDITION OF THE CALIFORNIA BUILDING CODE, AND THE SATISFACTION OF THE GEOTECHNICAL ENGINEER.

EXCESS AND UNSUITABLE MATERIAL SHALL BE REMOVED FROM THE SITE TO AN AREA APPROVED BY THE CITY BUILDING DIVISION AND CITY FIRE DEPARTMENT. APPROVALS MUST BE IN WRITING PRIOR TO REMOVAL OF MATERIAL.

DRAINAGE FROM UPSTREAM PROPERTIES SHALL NOT BE BLOCKED BY GRADING OR CONSTRUCTION OF IMPROVEMENTS.

THE CONTRACTOR SHALL PROTECT EXISTING DRAINAGE FACILITIES FROM SEDIMENTATION DURING ALL PHASES OF CONSTRUCTION.

HAZARDOUS MATERIAL SHALL BE REMOVED AND DISPOSED OF ACCORDING TO THE REQUIREMENTS OF THE BENNETT VALLEY FIRE DEPARTMENT. THE APPLICANT IS REQUIRED TO DEMONSTRATE COMPLIANCE WITH STATE AND LOCAL CODES FOR REMOVAL OF ASBESTOS CONTAINING MATERIALS DURING DEMOLITION OF ANY STRUCTURES ON THE PROJECT SITE.

PRIOR TO ANY GRADING OPERATION, THE CONTRACTOR SHALL INSTALL PROTECTIVE FENCING AROUND THE DRIP LINE OF TREES TO BE SAVED IN COMPLIANCE WITH THE CITY TREE ORDINANCE. THE CUTTING, FILLING, PAVING OR TRENCHING WITHIN ROOT ZONES OF TREES TO BE SAVED MUST BE REVIEWED AND APPROVED BY A CITY APPROVED ARBORIST AND PERFORMED UNDER THEIR ON SITE SUPERVISION.

DRIP-LINES OF TREES OVERHANGING THE PROPERTY LINE SHALL BE AFFORDED THE SAME LEVEL OF PROTECTION AS TREES ON SITE THAT ARE TO REMAIN.

ALL PADS SHALL BE CONSTRUCTED TO A TOLERANCE OF 0.1 FEET +/~ FROM SHOWN PAD ELEVATION.

RECORD DRAWINGS SHALL INCLUDE SUB-DRAINS AND CLEAN-OUTS REQUIRED BY THE PROJECT GEOTECHNICAL ENGINEER DURING CONSTRUCTION.

DEVELOPMENT MUST CONFORM TO 40 CFR (CODE OF FEDERAL REGULATIONS) PARTS 122, 123 AND 124 NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT APPLICATIONS FOR STORM WATER DISCHARGE. PROJECT MUST ALSO CONFORM WITH ANY DESIGN AND CONSTRUCTION POLICIES ADOPTED BY THE CITY TO CONFORM WITH THESE REGULATIONS.

UNDER 40 CFR, CONSTRUCTION ACTIVITY INCLUDES CLEARING, GRADING AND EXCAVATION ACTIVITIES. THESE ACTIVITIES REQUIRE OBTAINING AN NPDES PERMIT FROM THE STATE WATER RESOURCES CONTROL BOARD FOR PROJECTS WHICH QUALIFY, PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITY.

PRIOR TO ANY GRADING OPERATION THE GRADING CONTRACTOR AND THE PROJECT GEOTECHNICAL ENGINEER SHALL JOINTLY SEARCH THE SITE FOR EXISTING WELLS AND SEPTIC SYSTEMS. PROJECT SHALL NOTIFY THE CITY OF FINDINGS.

ANY EXISTING MONITORING WELLS TO BE ABANDONED SHALL BE DONE IN ACCORDANCE WITH THE CITY WELL ORDINANCES AS ADMINISTERED BY THE CITY BUILDING OFFICIAL. PERMITS ARE REQUIRED FROM THE SONOMA COUNTY PERMIT & RESOURCE MANAGEMENT DEPARTMENT (PRMD).



GHD Inc.

2235 Mercury Way, Suite 150
Santa Rosa, California 95407 USA
T 1 707 523 1010 F 1 707 527 8679
W www.ghd.com



City of
Santa Rosa
Transportation & Public Works



No Date

EROSION AND SEDIMENT CONTROL NOTES

EROSION AND SEDIMENT CONTROL SHOWN ON THIS SHEET ASSUMES STREET, CURB, GUTTER AND STORM DRAINS ARE COMPLETED PRIOR TO RAINS. PROJECT ENGINEER SHALL PREPARE INTERIM DRAINAGE AND EROSION AND SEDIMENT CONTROL PLAN BASED ON WINTER CONDITIONS FOR CITY APPROVAL PRIOR TO CONTRACTOR INSTALLATION. A CURRENT EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED AND KEPT ON THE JOB SITE.

EROSION AND SEDIMENT CONTROL MEASURES SHALL BE USED TO ENSURE THAT WATER ENTERING THE STORM DRAIN SYSTEM FROM THE CONSTRUCTION SITE IS OF EQUIVALENT QUALITY AND CHARACTER AS THE WATER ABOVE THE SITE.

EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PLACED IN FRONT OF INCOMPLETE STORM DRAIN SYSTEMS TO PREVENT DEBRIS AND SEDIMENT-LADEN WATER FROM ENTERING INTO THE PUBLIC STORM DRAIN SYSTEM. BEST MANAGEMENT PRACTICES SHALL BE USED WHEN DESIGNING AND INSTALLING SUCH DEVICES.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTANT MAINTENANCE OF EROSION AND SEDIMENT CONTROL MEASURES AT ALL TIMES TO THE SATISFACTION OF THE ENGINEER AND CITY OF SANTA ROSA AND IN ACCORDANCE WITH THE PROJECT SWPPP (IF APPLICABLE). EROSION AND SEDIMENT CONTROL MEASURES AND THEIR INSTALLATION SHALL BE ACCOMPLISHED USING BEST MANAGEMENT PRACTICES.

IF THE STORM DRAIN SYSTEM IS NOT IN PLACE BY OCTOBER 15, ADDITIONAL MEASURES SHALL BE TAKEN SUCH AS TEMPORARY SETTLING BASINS WHICH MEET THE SATISFACTION OF THE ENGINEER AND THE CITY OF SANTA ROSA. SILT AND/OR CATCH BASINS MUST BE CLEANED OUT ON A REGULAR BASIS AFTER STORMS TO MAINTAIN DESIGN CAPACITY.

STORM WATER RUNOFF FROM THE CONSTRUCTION SITE SHALL BE DIRECTED TOWARD AN INLET WITH A SEDIMENT OR FILTRATION INTERCEPTOR PRIOR TO ENTERING THE STORM DRAIN SYSTEM.

THE CONTRACTOR WILL BE RESPONSIBLE FOR CLEANING WATER THAT HAS BECOME POLLUTED DUE TO NOT TAKING NECESSARY EROSION AND SEDIMENT CONTROL ACTIONS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANUP OF MUD AND DEBRIS CARRIED ONTO SURROUNDING STREETS AND ROADS AS A RESULT OF CONSTRUCTION ACTIVITY ON THE SITE TO THE SATISFACTION OF THE CITY OF SANTA ROSA.

ANY DENUDED OR DISTRUBED SOILS SHALL BE PROTECTED USING BEST MANAGEMENT PRACTICES.

PRIOR TO AND DURING A PRECIPITATION EVENT, ALL PAVED AREAS WILL BE KEPT CLEAR OF EARTH MATERIAL AND DEBRIS. THE SITE SHALL BE MAINTAINED BY THE DEVELOPER, CONTRACTOR OR OWNER SO THAT A MINIMUM OF SEDIMENT-LADEN RUNOFF LEAVES THE SITE.

THE CONTRACTOR SHALL INFORM ALL CONSTRUCTION SITE WORKERS ABOUT THE MAJOR PROVISIONS OF THE EROSION AND SEDIMENT CONTROL PLAN AND SEEK THEIR COOPERATION IN AVOIDING THE DISTURBANCE OF THESE CONTROL MEASURES.

BEST MANAGEMENT PRACTICES SHALL BE VISUALLY MONITORED ON A WEEKLY BASIS DURING THE DRY SEASON AND RECORDED IN AN INSPECTION CHECKLIST. RAIN EVENT VISUAL MONITORING SHALL BE PERFORMED WITHIN 48 HOURS PRIOR TO AN ANTICIPATED RAIN EVENT, DAILY DURING A RAIN EVENT AND WITH 48 HOURS FOLLOWING A RAIN EVENT. REMOVE SEDIMENT WHEN ACCUMULATIONS REACH 1/3 THE HEIGHT OF THE BARRIER AND REPLACE FILTER DEVICES AS NECESSARY TO ENSURE PROPER FUNCTION.

UNSTABILIZED AREAS WILL BE REPAIRED AS SOON AS POSSIBLE AFTER BEING DAMAGED.

ALL GRADED OR DISTURBED AREAS SHALL BE STABILIZED IMMEDIATELY AFTER GRADING IS COMPLETE.

ENTRANCE TO THE PROJECT SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT INTO PUBLIC RIGHT-OF-WAY. WHEN NECESSARY, WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE OF PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED IT SHALL BE DONE IN AN AREA STABILIZED WITH CRUSHED ROCK THAT DRAINS INTO A SEDIMENT TRAP.

ALL SEDIMENT SPILLED, DROPPED, OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY SHALL BE REMOVED IMMEDIATELY USING BEST MANAGEMENT PRACTICES.

ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR PURPOSE SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.

ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REPAIRED OR REPLACED WHEN THEY ARE NO LONGER FUNCTIONING PER BEST MANAGEMENT PRACTICES.

THE CONTRACTOR SHALL HAVE EROSION AND SEDIMENT CONTROL MEASURES ON SITE ADEQUATE TO PROTECT THE ENTIRE SITE PRIOR TO THE OCTOBER 1 DATE SUCH THAT IT IS IMMEDIATELY AVAILABLE IN PREPARATION OF THE UPCOMING WINTER SEASON OR IN THE EVENT OF AN EARLY RAIN.

AFTER CONSTRUCTION IS COMPLETE ALL STORM DRAIN SYSTEMS ASSOCIATED WITH THIS PROJECT SHALL BE INSPECTED AND CLEARED OF ACCUMULATED SEDIMENTS AND DEBRIS.

ALL PROJECTS DISTURBING OR EXPOSING ONE ACRE OR MORE OF SOIL SHALL COMPLY WITH THE REQUIREMENTS OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) GENERAL PERMIT OF STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION AND LAND DISTURBANCE ACTIVITIES (CGP), ORDER NO. 2009-0009-DWQ. DOCUMENTS AND INSTRUCTIONS CAN BE DOWNLOADED FROM:

WWW.SRCITY.ORG/STORMWATERPERMIT. THE DEVELOPER SHALL PROVIDE THE CITY WITH THE WASTE DISCHARGE IDENTIFICATION NUMBER (WDID#) OR WITH VERIFICATION THAT AN EXEMPTION HAS BEEN GRANTED BY REGIONAL WATER QUALITY CONTROL BOARD (RWQCB) FOR PROJECTS DISTURBING OVER ONE ACRE.

ALL PROJECTS SHALL HAVE A CITY APPROVED EROSION AND SEDIMENT CONTROL PLAN OR A SWRCB STORM WATER POLLUTION PREVENTION PLAN (SWPPP) SPECIFIC FOR THE PROJECT. A COPY SHALL BE KEPT ON SITE AT ALL TIMES DURING CONSTRUCTION. THE EROSION AND SEDIMENT CONTROL PLAN OR SWPPP SHALL BE UPDATED AND KEPT CURRENT AS WORK PROGRESSES AND CONDITIONS CHANGE AND SHALL BE MADE AVAILABLE TO CITY AND SWRCB INSPRCTORS WHEN REQUESTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT, INSPECTION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES/DEVICES SPECIFIED IN THE EROSION AND SEDIMENT CONTROL PLAN UNTIL SUCH TIME THAT THE PROJECT IS ACCEPTED AS COMPLETE OR UNTIL THE NOTICE OF TERMINATION IS FILED FOR THE CONSTRUCTION GENERAL PERMIT.

THE EROSION AND SEDIMENT CONTROL PLAN SHALL EMPHASIZE SOURCE CONTROL AND ADDRESS CONTROLLING WATER AND WIND EROSION, SEDIMENTATION, TRASH AND OTHER POSSIBLE POLLUTANTS USING BEST MANAGEMENT PRACTICES (BMPS). THE PLAN SHALL REFERENCE CASQA "STORM WATER BEST MANAGEMENT PRACTICE HANDBOOK FOR CONSTRUCTION" FOR PROPER BMP SELECTION, INSTALLATION AND MAINTENANCE.

THE EROSION AND SEDIMENT CONTROL PLAN SHALL CONTAIN ALL APPLICABLE BMPS AND CONFORM TO ALL REQUIREMENTS LISTED UNDER SECTION E, PART 8 NCRWQCB ORDER NO. 2009-0050-STORM WATER NONSTORM WATER DISCHARGES FROM MUNICIPAL SEPARATE STORM SEWER SYSTEMS, REGULATION STORM WATER RUNOFF FROM THE CITY OF SANTA ROSA AT A MINIMUM. WWW.SRCITY.ORG/STORMWATERPERMIT. THE CONTRACTOR IS TO INFORM ALL CONSTRUCTION SITE WORKERS ABOUT THE MAJOR PROVISIONS OF THE EROSION AND SEDIMENT CONTROL PLAN OR SWPPP.

TRASH OR MATERIALS DEPOSITED OR TRACKED ONTO THE PUBLIC RIGHT-OF-WAY SHALL BE REMOVED DAILY.

THE EROSION AND SEDIMENT CONTROL PLAN SHALL INCLUDE A STATEMENT DESCRIBING THE LOCATION OF BMPS AND RATIONALE FOR BMP SELECTION, AS WELL AS A STATEMENT CONFIRMING THAT THE OWNER AND CONTRACTOR ARE AWARE THAT THE SELECTED BMPS MUST BE INSTALLED, MONITORED AND MAINTAINED TO ENSURE THEIR EFFECTIVENESS AND MEET COMPLIANCE WITH LOCAL CODES AND ORDINANCES.

THE CITY CONSIDERS DISCHARGES FROM CONSTRUCTION SITES WITH TRUBIDITY EXCEEDING 500 NTUS HAVE INADEQUATE LEVEL OF EROSION CONTROL MEASURES/BMPS. IMMEDIATE ASSESSMENT AND CORRECTIVE ACTION IS REQUIRED TO REDUCE TURBIDITY. CONTINUED EXCEEDING TURBIDITY LEVELS WILL BE CONSIDERED A VIOLATION OF CITY ORDINANCE 17-12, PROHIBITING NON-STORM WATER DISCHARGES. ADDITIONALLY, PROJECT SUBJECT TO REGULATION BY THE CGP MAY BE OUT OF COMPLIANCE AND SUBJECT TO ENFORCEMENT ACTION BY THE SWRCB.

FAILURE TO IMPLEMENT OR MAINTAIN BMPS AS SHOWN ON THE EROSION AND SEDIMENT CONTROL PLAN SHALL BE CONSIDERED A POTENTIAL NON-STORM WATER DISCHARGE AND A VIOLATION OF CITY ORDINANCE 17-12.

AFTER CONSTRUCTION IS COMPLETED ALL STORM DRAIN SYSTEMS IMPACTED BY THIS PROJECT SHALL BE CLEANED OF ACCUMULATED SEDIMENT AND DEBRIS AND INSPECTED. STORM DRAIN CLEANING/FLUSHING WATER SHALL NOT BE DISCHARGED TO THE STORM DRAIN SYSTEM.

PERSON TO CONTACT 24 HOURS A DAY IN THE EVENT THERE IS AN EROSION CONTROL/SEDIMENTATION PROBLEM (STORM WATER COMPLIANCE OFFICER): NAME: TPW - TRANSFER TO STORM WATER LOCAL PHONE NO. 543 - 3800

HYDROSEED SHALL BE EITHER APPLIED MECHANICALLY OR BY HYDROSEEDING. HYDROSEEDING REQUIRES THE APPLICATION OF FIBER AND STABILIZING EMULSION. MECHANICAL APPLICATION SHALL REQUIRE ROLLING, TAMPING, OR OTHERWISE WORKING THE SEED APPROXIMATELY 0.5 INCHES INTO THE TOPSOIL.

STABILIZATION OF EXPOSED GRADED AREAS WITH STRAW MULCH SHALL BE APPLIED AT A RATE OF 2 TONS PER ACRE.

City of Santa Rosa

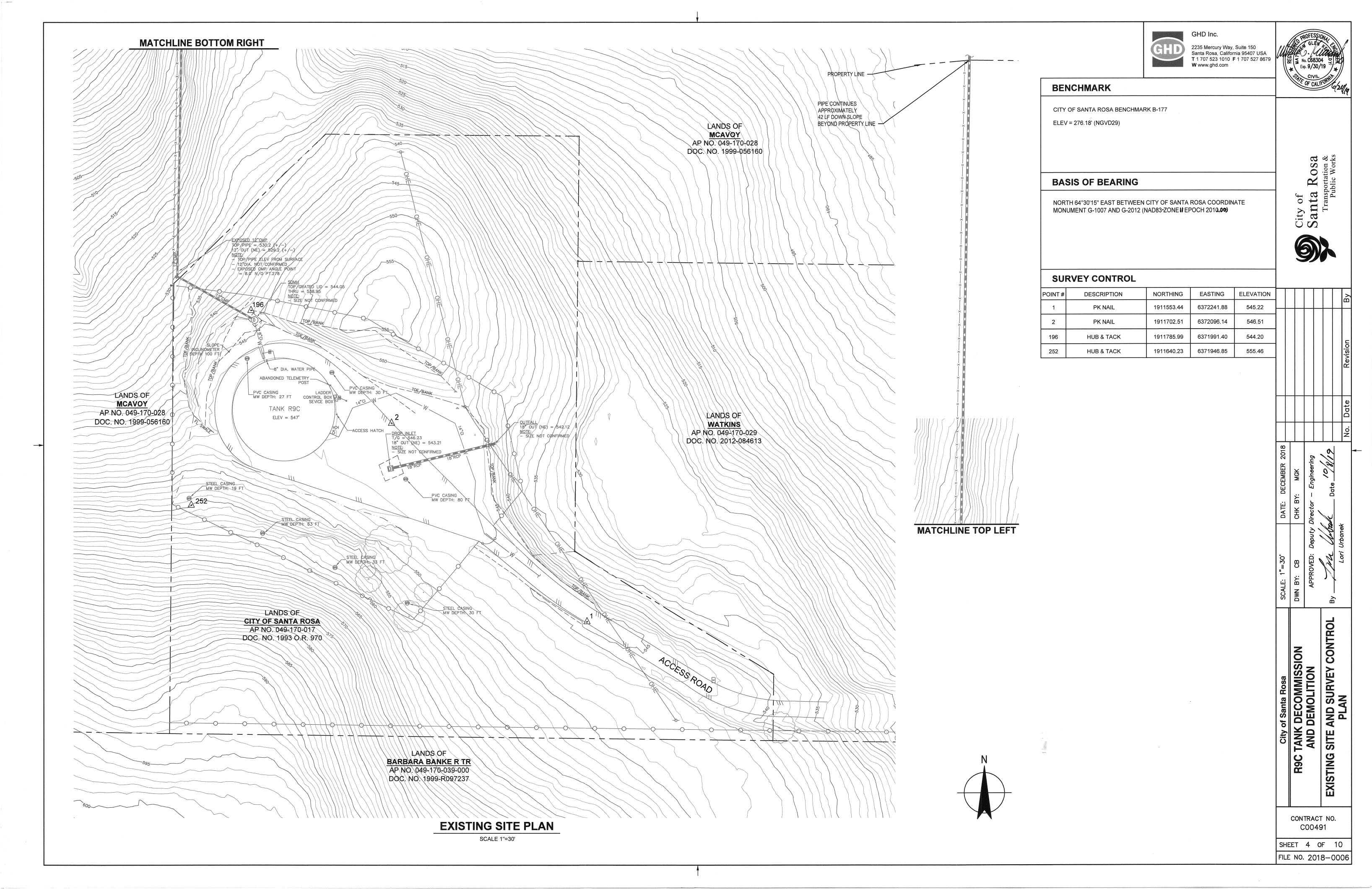
R9C TANK DECOMMISSION

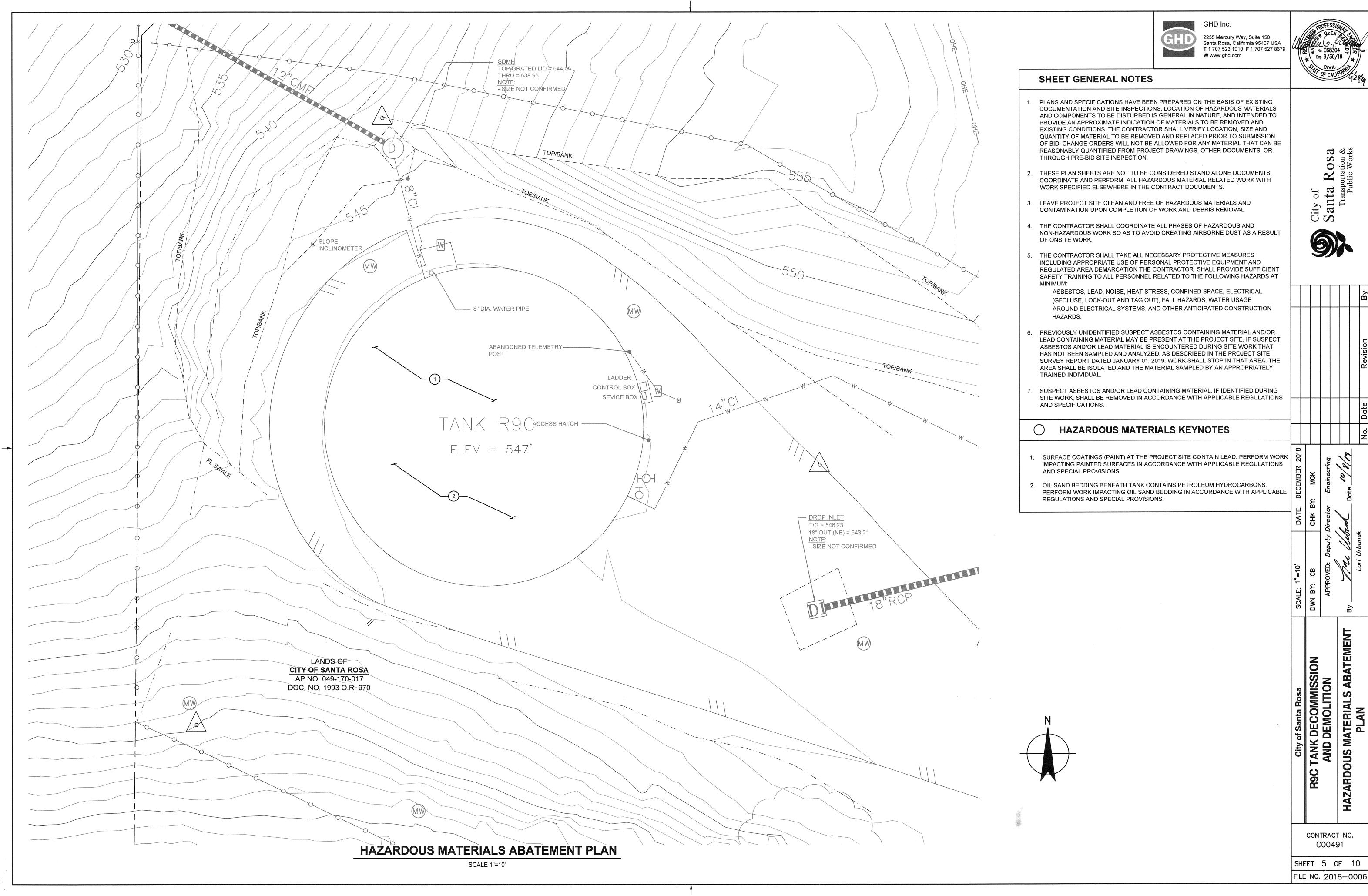
AND DEMOLITION

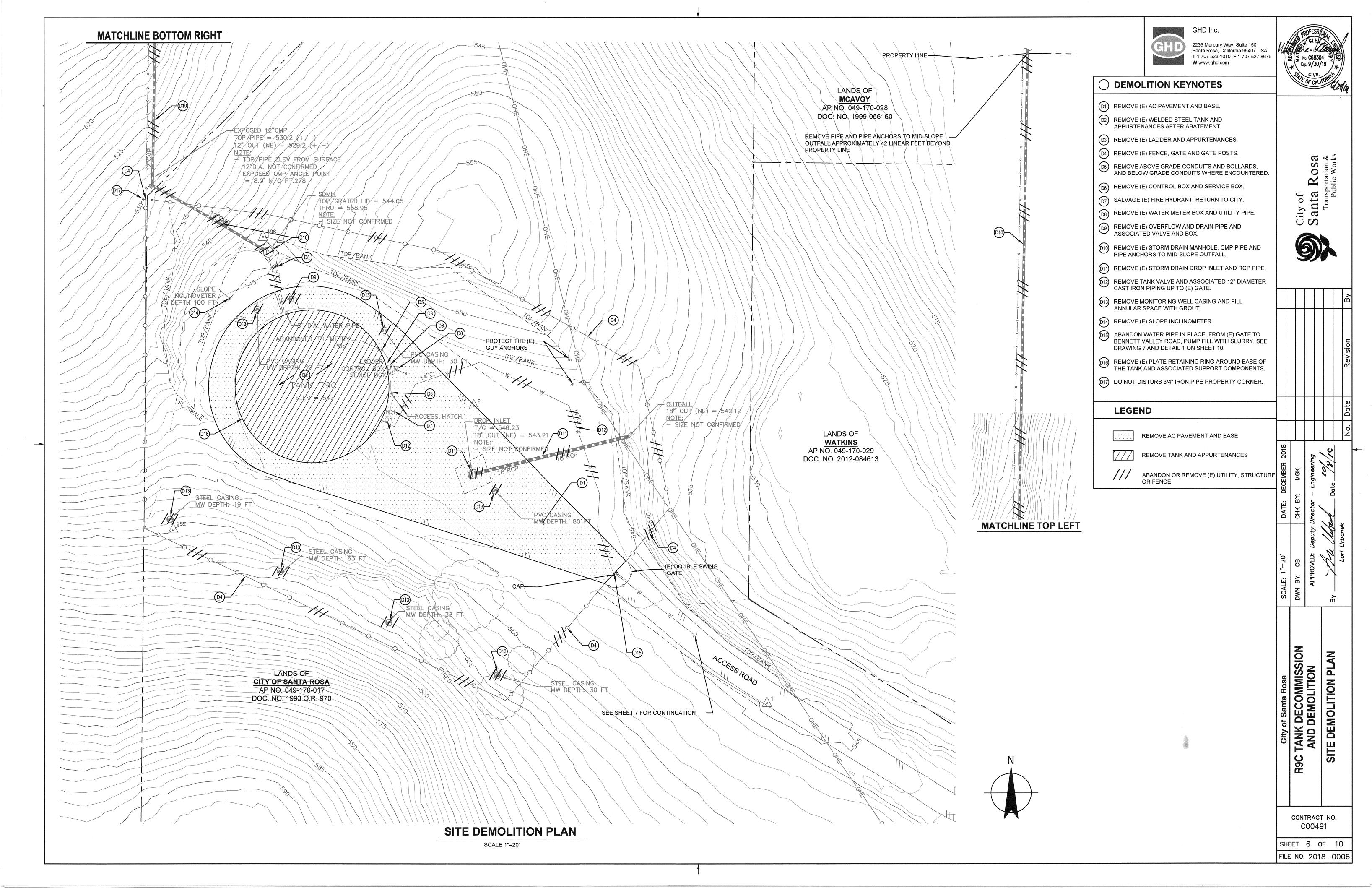
CITY OF SANTA ROSA GENERAL NOTES

CONTRACT NO. COO491

SHEET 3 OF 10 FILE NO. 2018-0006

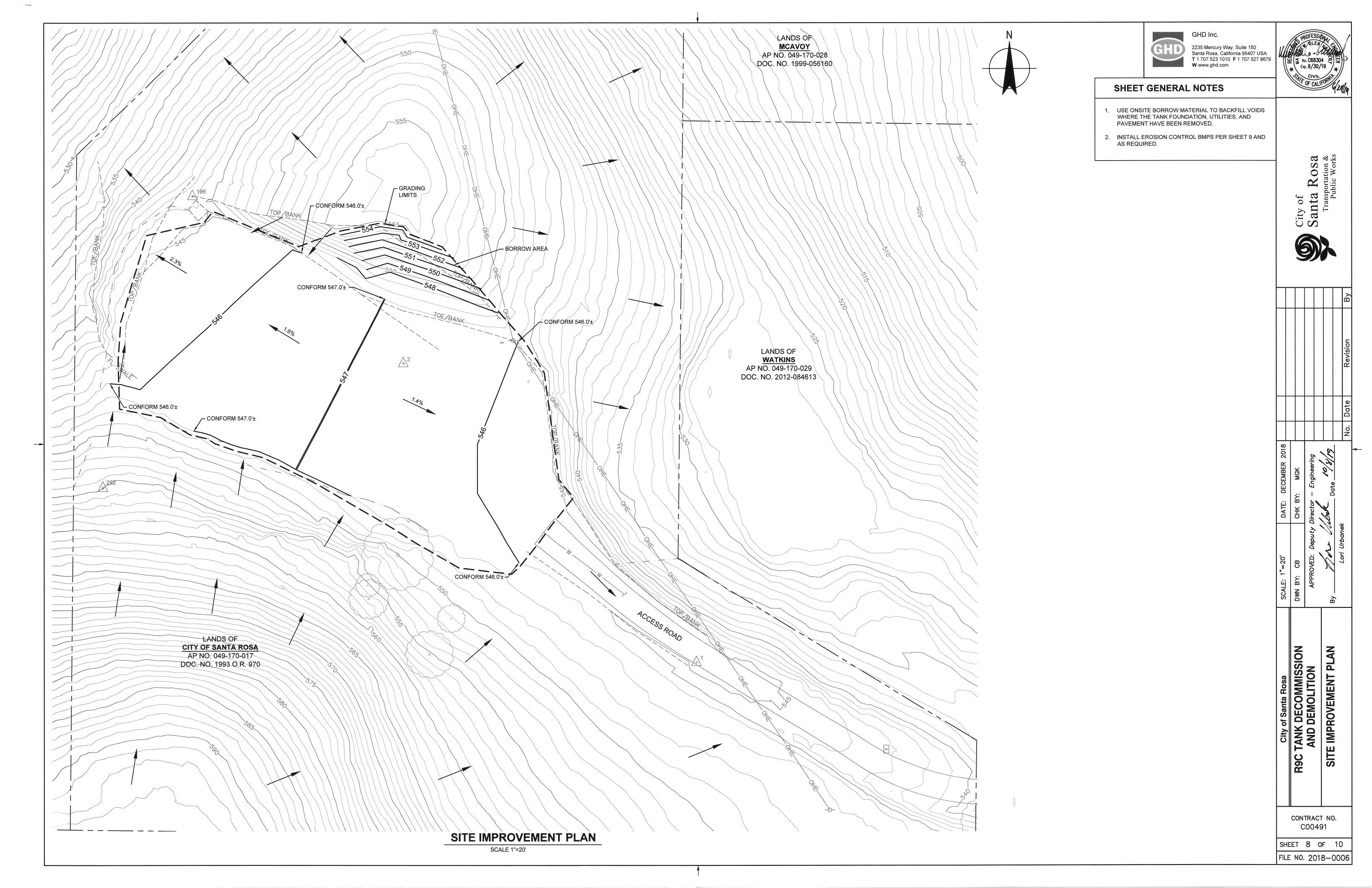


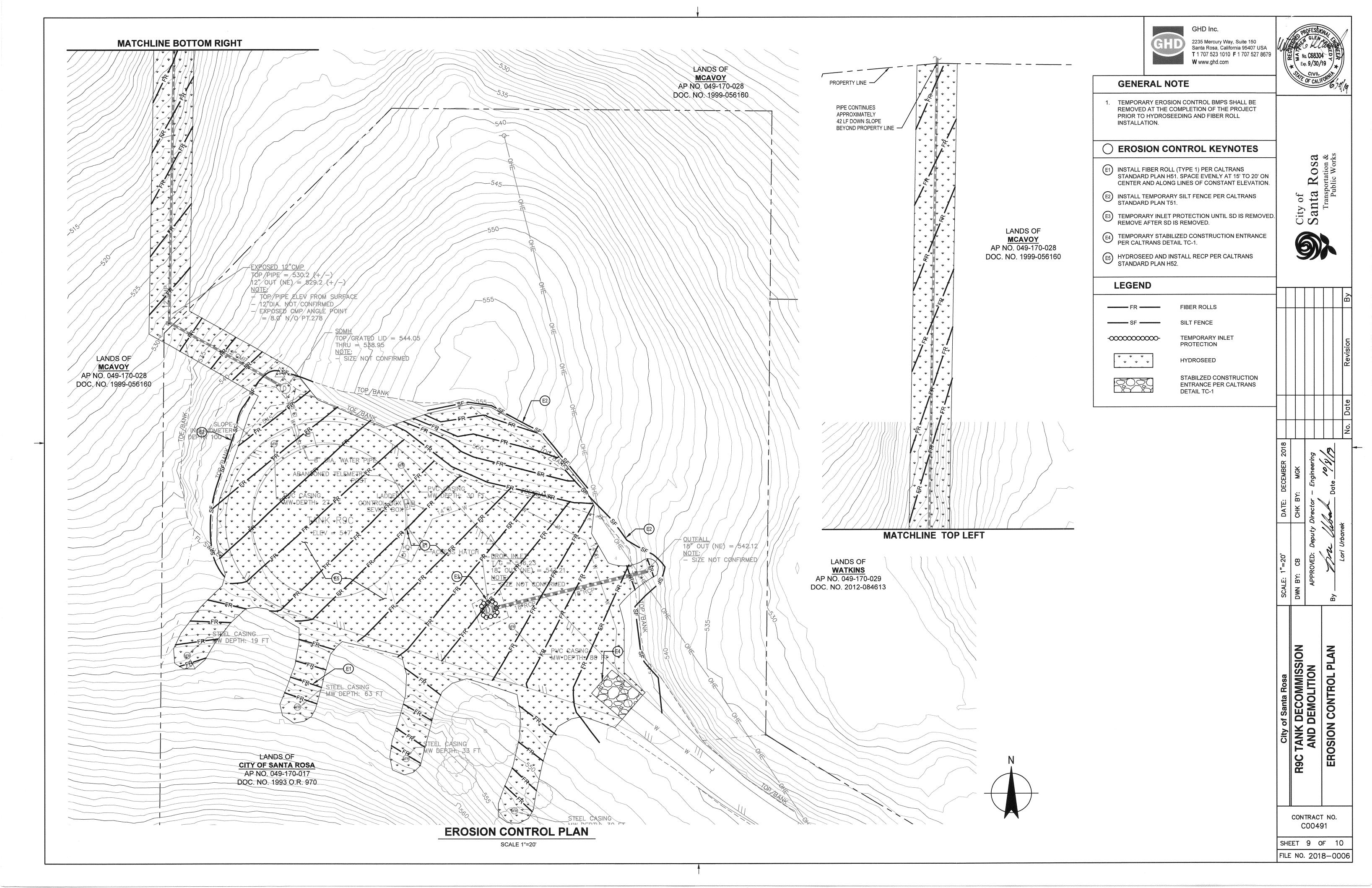


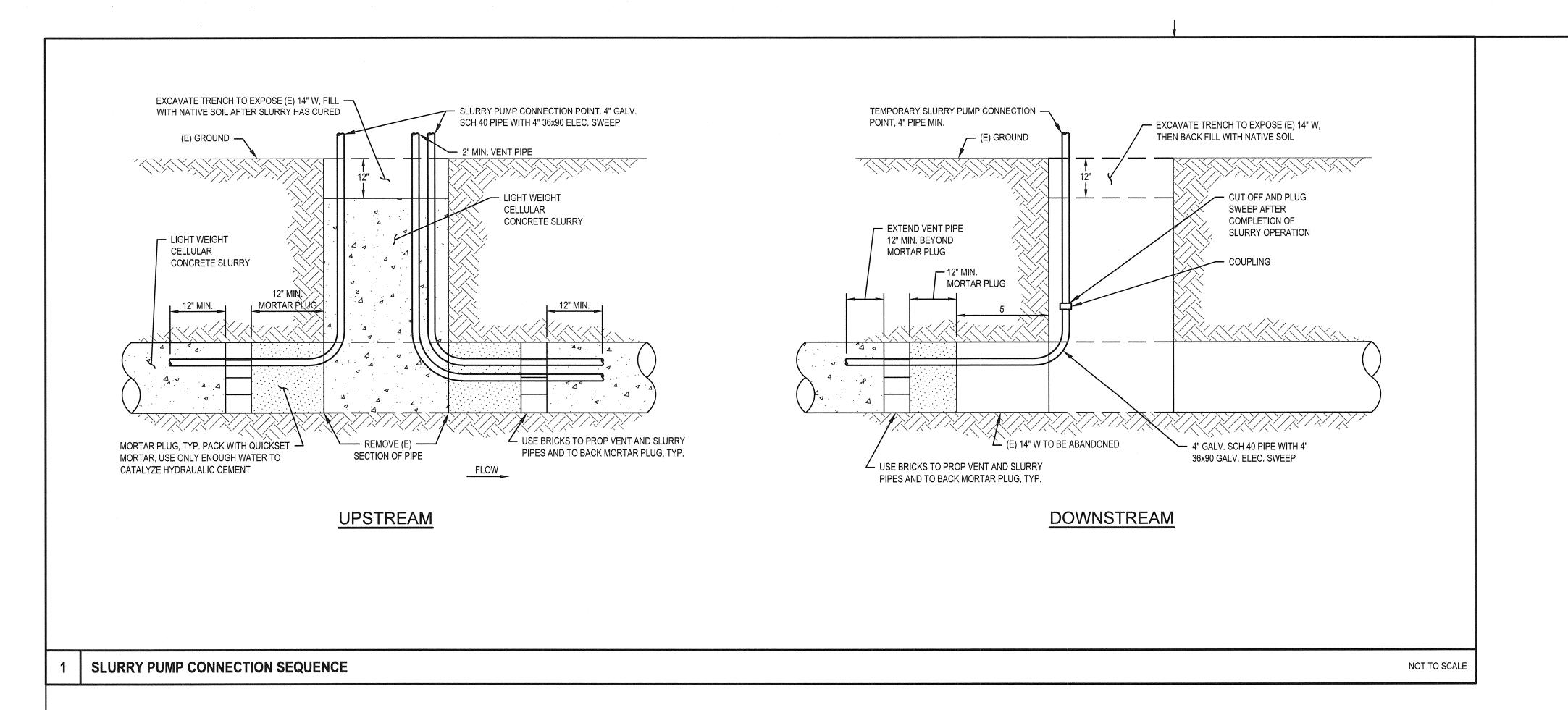




SCALE: 1"=100'	DATE: DECEMBER 2018			
DWN BY: CB	CHK BY: MGK			
APPROVED: Deputy 1	APPROVED: Deputy Director - Engineering			
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GHD Inc. 2235 Mercury Way, Suite 150 Santa Rosa, California 95407 USA T 1 707 523 1010 F 1 707 527 8679 W www.ghd.com

City of Santa Rosa Transportation & Public Works



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City of Santa Rosa

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SHEET 10 OF 10 FILE NO. 2018-0006