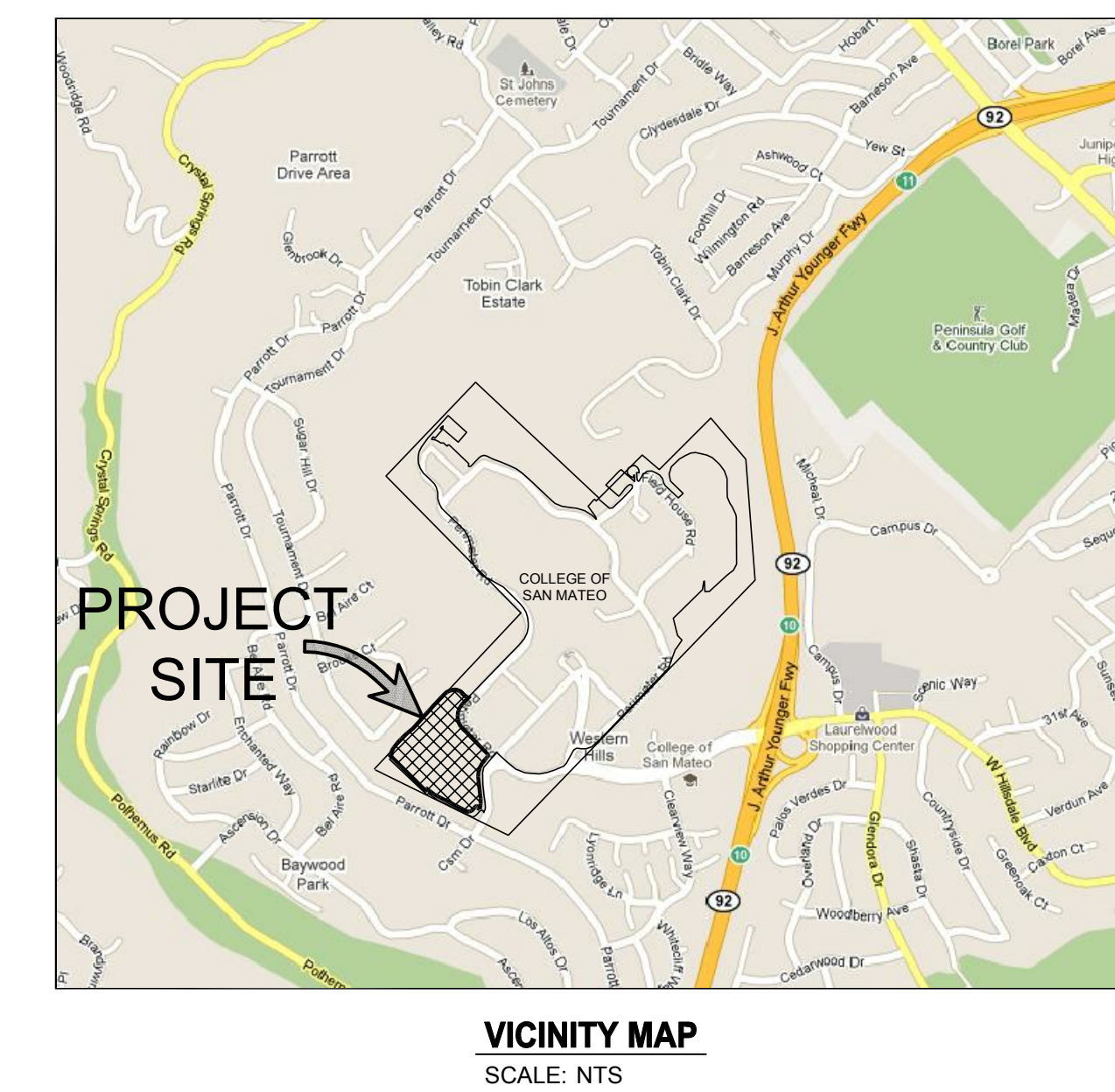


COLLEGE OF SAN MATEO

STORM DRAIN UPGRADE AND SLOPE REPAIR PROJECT

SAN MATEO COUNTY COMMUNITY COLLEGE DISTRICT

SAN MATEO, CALIFORNIA



CSW | ST 2

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Civil & Structural Engineers
Surveying & Mapping
Environmental Planning
Land Planning
Construction Management

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Rev	Date	Description	Drawn	Checked
2	05/19/2012	REVISED PER PC #1 COMMENTS		
1	05/11/2012	ISSUED FOR CONSTRUCTION		

SYMBOLS

EXISTING		PROPOSED
—+—	SIGN	—+—
○	TREE / TREE TO BE REMOVED	✕
☀	LIGHT - POST MOUNTED	☀
☀—○	STREETLIGHT	☀—○
○SDCO	STORM DRAINAGE - CLEANOUT	○SDCO
□	STORM DRAINAGE - INLET	□
(SD)	STORM DRAINAGE - MANHOLE	(SD)

ABBREVIATIONS

AB	AGGREGATE BASE
AC	ASPHALT CONCRETE
AD	AREA DRAIN
CB	CATCH BASIN
CP	CONTROL POINT
DI	DROP INLET
DIA	DIAMETER
DL	DAYLIGHT
EG	EXISTING GRADE
EL	ELEVATION
EP	EDGE OF PAVEMENT
(E), EX	EXISTING
FC	FACE OF CURB
FG	FINISH GRADE
FL	FLOWLINE
FS	FINISH SURFACE
FT	FEET
GB	GRADE BREAK
HDPE	HIGH DENSITY POLYETHYLENE PIPE
HP	HIGH POINT
INV	INVERT
LF	LINEAR FEET
MH	MANHOLE
MIN	MINIMUM
(N)	NEW
NTS	NOT TO SCALE
PML	POST MOUNTED LIGHT
PRO	PROPOSED
PVC	POLYVINYL CHLORIDE
RCP	REINFORCED CONCRETE PIPE
SD	STORM DRAIN
SDCO	STORM DRAIN CLEANOUT
SDMH	STORM DRAIN MANHOLE
SF	SQUARE FEET
STD	STANDARD
TC	TOP OF CURB
TG	TOP OF GRATE
TOT	TOTAL
UNO	UNLESS NOTED OTHERWISE
VIF	VERIFY IN FIELD

SHEET INDEX

C1	COVER SHEET
C2	SITE PLAN & GENERAL NOTES
C3	STORM DRAIN UPGRADE AREA
C4	STORM DRAIN UPGRADE AND SLOPE REPAIR AREAS

LINETYPES

EXISTING		PROPOSED
—30—	CONTOUR - MAJOR	—30—
—E—	CONTOUR - MINOR	—E—
—x—x—x—x—x—	ELECTRICAL LINE	—x—x—x—x—x—
—x—x—x—x—x—	FENCE	—x—x—x—x—x—
—x—x—x—x—x—	FLOWLINE / SWALE	—x—x—x—x—x—
—x—x—x—x—x—	STORM DRAIN	—x—x—x—x—x—
—x—x—x—x—x—	TOE OF BANK	—x—x—x—x—x—
—x—x—x—x—x—	TOP OF BANK	—x—x—x—x—x—
—x—x—x—x—x—	TREE DRIPLINE	—x—x—x—x—x—
—x—x—x—x—x—	EROSION CONTROL BLANKET	—x—x—x—x—x—
N/A		N/A

BASIS OF TOPOGRAPHY

THE TOPOGRAPHY FOR THIS PROJECT IS BASED ON THE ELEVATION OF POINT 181 FOUND ON THE DRAWING TITLED COLLEGE OF SAN MATEO BKF CONTROL PLOT; PREPARED BY BKF ENGINEERS, 255 SHORELINE DR., SUITE 200 REDWOOD CITY, CA 94065. POINT 181 IS A NAIL SET IN THE SIDEWALK IN THE ISLAND AT THE INTERSECTION OF CSM DRIVE AND HILLSDALE BOULEVARD. THE ELEVATION OF POINT 181 IS 577.98

STORM DRAIN REPAIR AND IMPROVEMENT PROJECT
COVER SHEET
SAN MATEO COUNTY COMMUNITY COLLEGE DISTRICT

City Of
San Mateo
County Of
San Mateo
State Of
California

Prepared Under the Direction of:

Sheet	
C1	
Scale:	AS SHOWN
Date:	05/11/2012
Project Number:	4.1121.05
Plan File:	D-5051-01

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GENERAL NOTES

- WORK SHOWN HEREON SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION, LATEST EDITION.
- THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY, AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR FURTHER AGREES TO 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.
- CONTRACTOR SHALL HOLD HARMLESS THE OWNER AND ITS AUTHORIZED REPRESENTATIVES FROM ALL LIABILITIES AND DAMAGES RESULTING FROM HIS CONSTRUCTION OPERATIONS.
- PRIOR TO COMMENCING CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL VERIFY ALL INTERFACES BETWEEN EXISTING CONDITIONS AND NEW CONSTRUCTION FOR GRADING, DRAINAGE, UNDERGROUND, AND OVERHEAD FACILITIES, INCLUDING LOCATION AND ELEVATION OF EXISTING UNDERGROUND OR AT GRADE FACILITIES AT CROSSINGS WITH PROPOSED UNDERGROUND FACILITIES. IF CONDITIONS DIFFER FROM THOSE SHOWN ON THE PLANS, THE CONTRACTOR SHALL NOTIFY THE OWNER AND SHALL NOT BEGIN CONSTRUCTION OPERATIONS UNTIL THE CHANGED CONDITIONS HAVE BEEN EVALUATED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF ALL CONTRACT DOCUMENTS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES THAT OCCUR SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER PRIOR TO THE START OF CONSTRUCTION SO THAT A CLARIFICATION CAN BE ISSUED. ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS SHALL BE CORRECTED BY THE CONTRACTOR AT THEIR OWN EXPENSE.
- THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.
- NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE GIVEN, CONSTRUCTION SHALL BE AS SHOWN FOR SIMILAR WORK.
- ALL EASEMENTS OR OTHER ENCUMBRANCES SHOWN OR REFERENCED IN THESE PLANS OR DISCLOSED IN THE PROPERTIES' TITLE REPORTS ARE SUBJECT TO INHERENT OR EXPLICIT RESTRICTIONS. THE OWNER IS RESPONSIBLE FOR DETERMINING THE IMPACT OF THESE RESTRICTIONS ON HIS OR HER INTENT FOR THE PROPERTY.
- CONSTRUCTION STAKING FOR IMPROVEMENTS SHOWN ON THESE PLANS SHALL BE PERFORMED BY A LICENSED LAND SURVEYOR.
- THE CONTRACTOR SHALL REPAIR OR REPLACE ALL EXISTING UNDERGROUND, AT-GRADE OR OVERHEAD IMPROVEMENTS DAMAGED DURING CONSTRUCTION TO THE SATISFACTION OF THE OWNER, INCLUDING PERMANENT TRENCH RESURFACING.
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS INCLUDING ENCROACHMENT PERMIT FROM THE GOVERNING JURISDICTION PRIOR TO ANY WORK IN THE PUBLIC RIGHT-OF-WAY.
- TRAFFIC CONTROL SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST "MANUAL OF TRAFFIC CONTROLS" PUBLISHED BY THE CALIFORNIA DEPARTMENT OF TRANSPORTATION. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO THE OWNER FOR APPROVAL PRIOR TO THE COMMENCEMENT OF CONSTRUCTION OPERATIONS.
- CONTRACTOR TO BE AWARE OF AND PROTECT ALL OVERHEAD LINES AT ALL TIMES, SO AS NOT TO DISTURB THEM.
- WATER SHALL BE PROVIDED ONSITE BY THE CONTRACTOR AND USED TO CONTROL DUST DURING CONSTRUCTION OPERATIONS.
- OUTDOOR NOISE-GENERATING CONSTRUCTION ACTIVITIES (INCLUDING BUT NOT LIMITED TO RAPID IMPACT COMPACTION (RIC) GRADING, TRENCHING, CONCRETE PLACEMENT, SAWING AND HAMMERS) SHALL BE LIMITED TO THE HOURS BETWEEN 7:30 AM AND 5:00 PM, MONDAY THROUGH FRIDAY. FOR QUESTIONS REGARDING CONSTRUCTION HOURS AND/OR RELATED NOISE, PLEASE CONTACT SAJID SULAIMAN, CONSTRUCTION PROJECT MANAGER AT 650-378-7332.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS AND RECOMMENDATIONS CONTAINED IN THE GEOTECHNICAL REPORT, "LIMITED GEOTECHNICAL INVESTIGATION: EVALUATION OF SUBSURFACE SOIL CONDITIONS LOWER LEVEL PARKING LOT - WESTERN HALF & OTHER MISCELLANEOUS IMPROVEMENTS ALONG TOP OF SLOPE - UPPER LEVEL PARKING LOT", PREPARED BY ADVANCE SOIL TECHNOLOGY, INC., DATED MARCH 2012 AND ANY SUBSEQUENT ADDENDA.
- THE CONTRACTOR SHALL NOTIFY THE GEOTECHNICAL ENGINEER 48 HOURS PRIOR TO COMMENCING WORK. THE GEOTECHNICAL ENGINEER SHALL OBSERVE CONSTRUCTION TO VERIFY THAT EXISTING AND INSTALLED CONDITIONS ARE CONSISTENT WITH THE GEOTECHNICAL REPORT.
- CONTRACTOR SHALL COMPLY FULLY WITH THE REQUIREMENTS OF ASSEMBLY BILL 2040, DAVIS, ASBESTOS.
- IF SIGNIFICANT CULTURAL MATERIALS ARE EXPOSED OR DISCOVERED DURING EITHER SITE CLEARING OR SUBSURFACE CONSTRUCTION, ALL OPERATIONS SHOULD STOP WITHIN 25 FEET OF THE FIND AND A QUALIFIED PROFESSIONAL ARCHAEOLOGIST CONTACTED FOR FURTHER REVIEW AND RECOMMENDATIONS. POTENTIAL RECOMMENDATIONS COULD INCLUDE EVALUATION, COLLECTION, RECORDATION, ANALYSIS, ETC. OF ANY SIGNIFICANT CULTURAL MATERIALS FOLLOWED BY PREPARATION OF A PROFESSIONAL REPORT. THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE OTHER GOVERNING JURISDICTION OF ANY DISCOVERIES.
- SIGNIFICANT PREHISTORIC CULTURAL RESOURCES ARE DEFINED AS HUMAN BURIALS, FEATURES OR OTHER CLUSTERING OF FINDS MADE, MODIFIED OR USED BY NATIVE AMERICAN PEOPLES IN THE PAST. THE PREHISTORIC AND PROTOHISTORIC INDICATORS OF PRIOR CULTURAL OCCUPATION BY NATIVE AMERICANS INCLUDE ARTIFACTS AND HUMAN BONE, AS WELL AS SOIL DISCOLORATION, SHELL, ANIMAL BONE, SANDSTONE COBBLES, ASHY AREAS, AND BAKED OR VITRIFIED CLAYS.
- ALL MASS GRADING SHALL BE PERFORMED UNDER THE STRICT SUPERVISION OF THE PROJECT GEOTECHNICAL ENGINEER, AND SHALL BE IN CONFORMANCE WITH THE SITE SPECIFIC GEOTECHNICAL REPORT. MASS GRADING SHALL INCLUDE DEMOLITION, CLEARING AND GRUBBING, TREE REMOVAL, REMEDIAL GRADING (BUTTRASSING, KEYWAYS, SUBDRAINS), SUB-EXCAVATION AND COMPACTION OF FILL AREAS, CUTTING HIGH AREAS AND STREETS, PLACING AND COMPACTION OF FILL ON LOW AREAS AND STREETS, HAUL ROAD CONSTRUCTION AND REMOVAL, FINISHED GRADING OF SITE TO A TOLERANCE OF +/- 0.1 FEET, UNDER-CUTTING OF STREETS SUFFICIENT TO ACCOMMODATE UTILITY SPOILS, HAULING, PLACEMENT, COMPACTION OR STOCKPILING OF UTILITY SPOILS AS REQUIRED, IMPORT, PLACEMENT AND COMPACTION OF SOILS AS REQUIRED TO BALANCE THE SITE AND EXCAVATION FOR MASONRY.
- IF, AT ANY TIME DURING GRADING OPERATIONS, ANY UNFAVORABLE GEOLOGICAL CONDITIONS ARE ENCOUNTERED, GRADING IN THAT AREA WILL STOP UNTIL APPROVED CORRECTIVE MEASURES ARE OBTAINED.
- ALL DEBRIS, EXCESS, AND FOREIGN MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT APPROVED DISPOSAL SITES AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL OBTAIN NECESSARY PERMITS FOR THE TRANSPORTATION OF MATERIAL TO AND FROM THE SITE.
- ALL FILL SOILS OR SOILS DISTURBED OR OVER-EXCAVATED DURING CONSTRUCTION SHALL BE COMPACTED PER THE REQUIREMENTS OF THE SOIL REPORT BUT NOT LESS THAN 90% MAXIMUM DENSITY AS DETERMINED BY A.S.T.M. SOIL COMPACTION TEST D-1557.
- ALL GRADED BANK TOPS AND TOES SHALL BE ROUNDED.
- THE PROPOSED GRADE AS SHOWN IN THE DRAWINGS IS THE FINISH GRADE AND NOT THE ROUGH GRADE. THE CONTRACTOR SHALL BE RESPONSIBLE TO ACCOMMODATE FOR THE THICKNESS OF THE TOP SECTIONS (ROADWAY, CONCRETE, TOPSOIL, ETC.) TO ARRIVE AT THE ROUGH GRADE ELEVATION. THE CONTRACTOR IS RESPONSIBLE FOR ANY ADDITIONAL ADJUSTMENTS TO ACCOMMODATE TRENCH OR FOUNDATION SPOILS, OR ITEMS AS DIRECTED BY THE GEOTECHNICAL ENGINEER.
- STRAIGHT GRADE SHALL BE MAINTAINED BETWEEN CONTOUR LINES AND SPOT ELEVATIONS UNLESS OTHERWISE SHOWN ON THE PLANS.
- ALL STREETS SHALL BE SWEEPED AND KEPT CLEAN AT THE END OF EACH DAY AND SHALL COMPLY WITH ALL APPLICABLE RWQCB REQUIREMENTS FOR THE DURATION OF THE PROJECT WORK.
- CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS, INCLUDING NPDES, FROM THE APPROPRIATE JURISDICTIONAL AGENCIES FOR DISCHARGE OF GROUNDWATER THAT MAY BE NECESSARY TO ACCOMPLISH WORK SHOWN ON THESE PLANS.
- THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (800-227-2600) A MINIMUM OF 48 HOURS PRIOR TO EXCAVATION.
- THE CONTRACTOR SHALL OBTAIN AN O.S.H.A. PERMIT FROM THE CALIFORNIA DIVISION OF INDUSTRIAL SAFETY PRIOR TO THE CONSTRUCTION OF TRENCHES OR EXCAVATIONS WHICH ARE 5' OR DEEPER. ALL TRENCHES 5' IN DEPTH OR GREATER SHALL BE SHORED AND BRACED ACCORDING TO STATE LAW.

- UTILITIES AS SHOWN CONFORM TO AVAILABLE RECORD DATA. THE EXISTENCE, LOCATION AND CHARACTERISTICS OF UNDERGROUND UTILITY INFORMATION SHOWN ON THESE PLANS HAVE BEEN OBTAINED FROM A REVIEW OF AVAILABLE RECORD DATA. NO REPRESENTATION IS MADE AS TO THE ACCURACY OR COMPLETENESS OF SAID UTILITY INFORMATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATION AND DEPTHS BY POT-HOLING OF ALL UTILITIES WITH APPROPRIATE AGENCIES, AND TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS. ANY CONFLICTS SHALL BE REPORTED IMMEDIATELY TO THE AGENCY AND TO THE CIVIL ENGINEER.
- ANY DAMAGE CAUSED TO EXISTING IMPROVEMENTS AS A RESULT OF THIS WORK, WITHIN CONSTRUCTION AND STAGING OR LAYDOWN AREAS AND ALONG HAUL OR ACCESS ROUTES, SHALL BE REPAIRED AND RESTORED TO ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE AND TO THE SATISFACTION OF THE OWNER. EXISTING IMPROVEMENTS INCLUDE, BUT ARE NOT LIMITED TO, LIGHT POLES, POLE BASES, CURBS, GUTTERS, SIDEWALKS, PAVEMENT, WHEEL STOPS, STRIPING, LANDSCAPE GRADES AND IRRIGATION.
- IT SHALL BE THE PAVING CONTRACTOR'S RESPONSIBILITY TO RESTORE STREET AND SIDEWALK SUBGRADES DISTURBED DURING UNDERGROUND UTILITY CONSTRUCTION. ALL EXISTING STREET IMPROVEMENTS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED IN CONFORMANCE WITH THE STANDARD SPECIFICATIONS FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION, LATEST EDITION, AND TO THE SATISFACTION OF THE OWNER, AND SHALL MEET ANY ADDITIONAL REQUIREMENTS OF ANY ENCROACHMENT PERMITS.
- DIMENSIONS TO PIPELINES ARE TO CENTERLINE UNLESS OTHERWISE NOTED.
- MANHOLE FRAMES AND COVERS AND ALL OTHER UTILITY FRAMES AND COVERS LOCATED WITHIN PAVED AREAS SHALL BE BROUGHT TO FINISH GRADE AFTER PAVING. RIM GRADES, WHERE SHOWN, ARE APPROXIMATE. CONTRACTOR TO ADJUST RIM GRADE TO CONFORM WITH INSTALLED PAVING.
- PIPE SLOPES AND DISTANCES SHOWN ON PLANS ARE FROM THE CENTER OF STRUCTURE TO CENTER OF STRUCTURE.
- STORM DRAINAGE SYSTEMS SHOWN ON THESE PLANS HAVE BEEN DESIGNED FOR THE FINAL SITE CONDITION AT COMPLETION OF THE PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ADEQUATE DRAINAGE OF THE SITE, DURING INTERIM CONDITIONS OF CONSTRUCTION.
- CONTRACTOR SHALL NOTIFY ENGINEER 48 HOURS PRIOR TO ANY NEED FOR FORMWORK REVIEW AND APPROVAL.
- ASPHALT PAVEMENT SHALL BE CONSTRUCTED IN AT LEAST TWO LIFTS, AND THE SECOND LIFT SHALL BE A MINIMUM OF 2 INCHES AND SHALL BE PLACED ONLY AFTER THE CONSTRUCTION OF SITE IMPROVEMENTS HAS BEEN SUBSTANTIALLY COMPLETED. THE FINAL PAVEMENT SURFACE SHALL BE FREE OF GOUGES, PATCHES, OR OTHER DEFECTS TO THE SATISFACTION OF THE OWNER PRIOR TO ACCEPTANCE OF SITE IMPROVEMENTS.
- TREE PROTECTION FENCING SHALL BE PLACED ONE FOOT BEYOND DRIFLINE. WHERE NOT POSSIBLE, FENCING MUST BE LOCATED PRACTICALLY AND IN A MANNER WHICH ALLOWS THE REQUIRED GRADING AND CONSTRUCTION TO OCCUR. IN NO CASE, SHALL FENCING BE PLACED CLOSER THAN 5 FEET TO THE TREE TRUNK.
- THE LOCATION OF SYMBOLS SHOWN ON THE DRAWINGS MAY NOT REPRESENT THE PRECISE LOCATION OF THE PROPOSED IMPROVEMENT. IF THE SYMBOL IS NOT ACCOMPANIED BY DIMENSIONS TO LOCATE THE PRECISE LOCATION OF THE PROPOSED IMPROVEMENT, REFER TO STANDARD DETAILS SHOWN WITHIN THE DRAWINGS OR APPROPRIATE AGENCY STANDARD DETAILS. NOTIFY THE OWNER.
- VERIFY LAYDOWN AND STAGING LOCATIONS WITH OWNER PRIOR TO CONSTRUCTION.
- ALL PIPE AND PIPE FITTINGS SHALL BE ADS N-12 HP OR APPROVED EQUIVALENT.
- MULCH FROM TREE AND VEGETATION REMOVAL AND EXTRA MULCH FROM WORK AREAS SHALL BE REMOVED AND PROPERLY DISPOSED OF AT AN OFFSITE FACILITY.
- SOIL RESULTING FROM TRENCHING WORK AT AREA 1 IS INTENDED TO BE USED FOR BACKFILL COMPACTION WITHIN AREA 4 AND AREA 2, OR OTHER AREAS OF WORK AS REQUIRED FOR SLOPE REPAIR. UPON REMOVAL OF EXISTING BARK AND MULCH AT AREA 4 THE CONTRACTOR SHALL FIELD-VERIFY, IN COORDINATION WITH THE GEOTECHNICAL ENGINEER, TO DETERMINE IF ADDITIONAL SOIL IMPORT MAY BE REQUIRED FOR FILL. COSTS FOR IMPORT OF SOILS SHALL BE ESTABLISHED BASED ON UNIT PRICE PROPOSAL FOR IMPORT SOIL. COSTS FOR REMOVAL, OFF-HAUL AND DISPOSAL OF SOILS SHALL BE ESTABLISHED BASED ON UNIT PRICE PROPOSAL. SEE DOCUMENT 00 4100 BID FORM.
- EXISTING BRUSH, MULCH, FALLEN STUMPS, AND OTHER DEBRIS ETC. AT NEW MANIFOLD TRENCHING LOCATIONS SHALL BE REMOVED AND PROPERLY DISPOSED OF AT AN OFFSITE FACILITY.
- DISTRICT SHALL EMPLOY AN INDEPENDENT TESTING AND INSPECTION AGENCY OR AGENCIES TO CONDUCT TESTS AND INSPECTIONS REQUIRED PER APPLICABLE CODES AND REGULATIONS. PERIODIC AND OCCASIONAL OBSERVATION OF WORK IN PROGRESS WILL BE MADE BY DISTRICT AND DISTRICT'S CONSULTANTS AND INSPECTORS. CONTRACTOR SHALL NOTIFY DISTRICT, INSPECTORS, AND TESTING AND INSPECTION AGENCY, WHEN WORK IS READY FOR SPECIFIED TESTS AND INSPECTIONS. PROVIDE WRITTEN NOTIFICATION AT LEAST 48 HOURS PRIOR TO INSPECTION DATE. ALL TIME AND COSTS RELATED TO CONTRACTOR'S SERVICES RELATED TO TESTS AND INSPECTIONS SHALL BE INCLUDED IN THE CONTRACT TIME AND CONTRACT SUM.

RUNOFF POLLUTION CONTROL NOTES:

- STORM WATER PROTECTION BEST MANAGEMENT PRACTICES (BMP'S) SHALL CONFORM TO THE PRACTICES CONTAINED IN THE LATEST EDITION OF THE CASQA BMP HANDBOOKS PORTAL BY THE CALIFORNIA STORMWATER QUALITY ASSOCIATION OR AN EQUIVALENT BEST MANAGEMENT PRACTICE.
- EXPORT OF SOIL FROM THE PROPERTY MAY BE REQUIRED.
- THE CONSTRUCTION SITES AND SURROUNDING AREAS SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF POTENTIAL POLLUTANTS OFFSITE. POTENTIAL POLLUTANTS DEPOSITED ON PAVED AREAS WITHIN THE PROPERTY OR OFFSITE, SUCH AS PARKING LOTS, ROADWAYS AND SIDEWALKS, SHALL BE PROPERLY DISPOSED OF AT THE END OF EACH WORKING DAY OR MORE FREQUENTLY, AS NECESSARY.
- IF SIGNIFICANT SEDIMENT OR OTHER VISUAL SYMPTOMS OF IMPURITIES ARE NOTICED IN THE STORM WATER, CONTACT THE OWNER IMMEDIATELY.
- CONTRACTOR IS RESPONSIBLE FOR INSPECTION AND RESTORATION OF ALL ASPECTS OF THIS PLAN. SEDIMENT ON SIDEWALKS AND GUTTERS SHALL BE REMOVED BY SHOVEL OR BROOM AND PLACED IN APPROVED AREAS.
- ALL DUMPSTER OR OTHER TRASH STORAGE ENCLOSURES SHALL BE UTILIZED SOLELY FOR NON-HAZARDOUS MATERIALS AND SHALL BE COVERED AT THE END OF EACH WORKING DAY AND DURING RAIN EVENTS.
- ALL EMPLOYEES, CONTRACTORS, AND SUBCONTRACTORS ARE RESPONSIBLE FOR CONFORMING TO THE ELEMENTS SHOWN ON THIS PLAN OR RELATED DOCUMENTS. ANY CONTRACTOR PLANNING TO DO WORK ON-SITE SHALL BE RESPONSIBLE FOR OBTAINING AND REVIEWING ALL STORM WATER PROTECTION INFORMATION FROM OWNER PRIOR TO START OF WORK AND EDUCATING ALL OF THEIR EMPLOYEES OR SUBCONTRACTORS AS TO THE STORM WATER PROTECTION REQUIREMENTS.
- BMP'S SHALL BE MODIFIED AS NECESSARY TO ACCOMMODATE CHANGING FIELD CONDITIONS.
- NO VEHICLES SHALL BE ALLOWED TO TRACK OR SPREAD SOIL FROM THE CONSTRUCTION AREAS ONTO EXISTING PAVED PARKING LOTS AND STREETS (PUBLIC OR PRIVATE)
- FOR DISTURBED AREAS NOT COVERED BY EROSION BLANKET, STRAW AND TACKIFIER IS TO BE APPLIED ON DISTURBED AREAS PER MANUFACTURER'S SPECIFICATIONS AND SHALL BE APPLIED AT A RATE OF 2 TONS PER ACRE MINIMUM.
- PRIOR TO START OF ANY CONSTRUCTION OR DEMOLITION, INSTALL INLET PROTECTION BMP'S.
- STABILIZE ALL DENUDED AREAS AND MAINTAIN EROSION CONTROL MEASURES THROUGHOUT THE CONSTRUCTION PERIOD.
- REMOVE SPOILS PROMPTLY AND AVOID STOCKPILING OF FILL MATERIALS WHEN RAIN IS FORECAST. IF RAIN THREATENS, STOCK-PILED SOILS AND OTHER MATERIALS SHALL BE TARPED.
- STORE, HANDLE AND DISPOSE OF CONSTRUCTION MATERIALS AND WASTES SO AS TO PREVENT THEIR ENTRY TO THE STORM DRAIN SYSTEM. CONTRACTOR MUST NOT ALLOW CONCRETE, WASHWATERS, SLURRIES, PAINT OR OTHER MATERIALS TO ENTER CATCH BASINS OR TO ENTER SITE RUNOFF.
- USE FILTRATION OR OTHER MEASURES TO REMOVE SEDIMENT FROM DEWATERING EFFLUENT.
- NO CLEANING, FUELING OR MAINTAINING VEHICLES ON SITE SHALL BE PERMITTED IN ANY MANNER THAT ALLOWS DELETERIOUS MATERIALS TO ENTER CATCH BASINS OR TO ENTER SITE RUNOFF.
- IN THE EVENT GRADING OPERATIONS ARE SUSPENDED BY WEATHER CONDITIONS AND IF THE STORM DRAIN SYSTEM IS INCOMPLETE, INSTALL ADDITIONAL ROCK FILTERS AND OTHER BMP'S AS DIRECTED BY THE OWNER.

Rev	Date	Description	Designed	Drawn	Checked
3	06/19/2012	ADDENDUM 1			
2	05/19/2012	REVISED PER PC #1 COMMENTS			
1	05/11/2012	ISSUED FOR CONSTRUCTION			

STORM DRAIN REPAIR AND IMPROVEMENT PROJECT
SITE PLAN & GENERAL NOTES
SAN MATEO COUNTY COMMUNITY COLLEGE DISTRICT

City Of
San Mateo
 County Of
San Mateo
 State Of
California

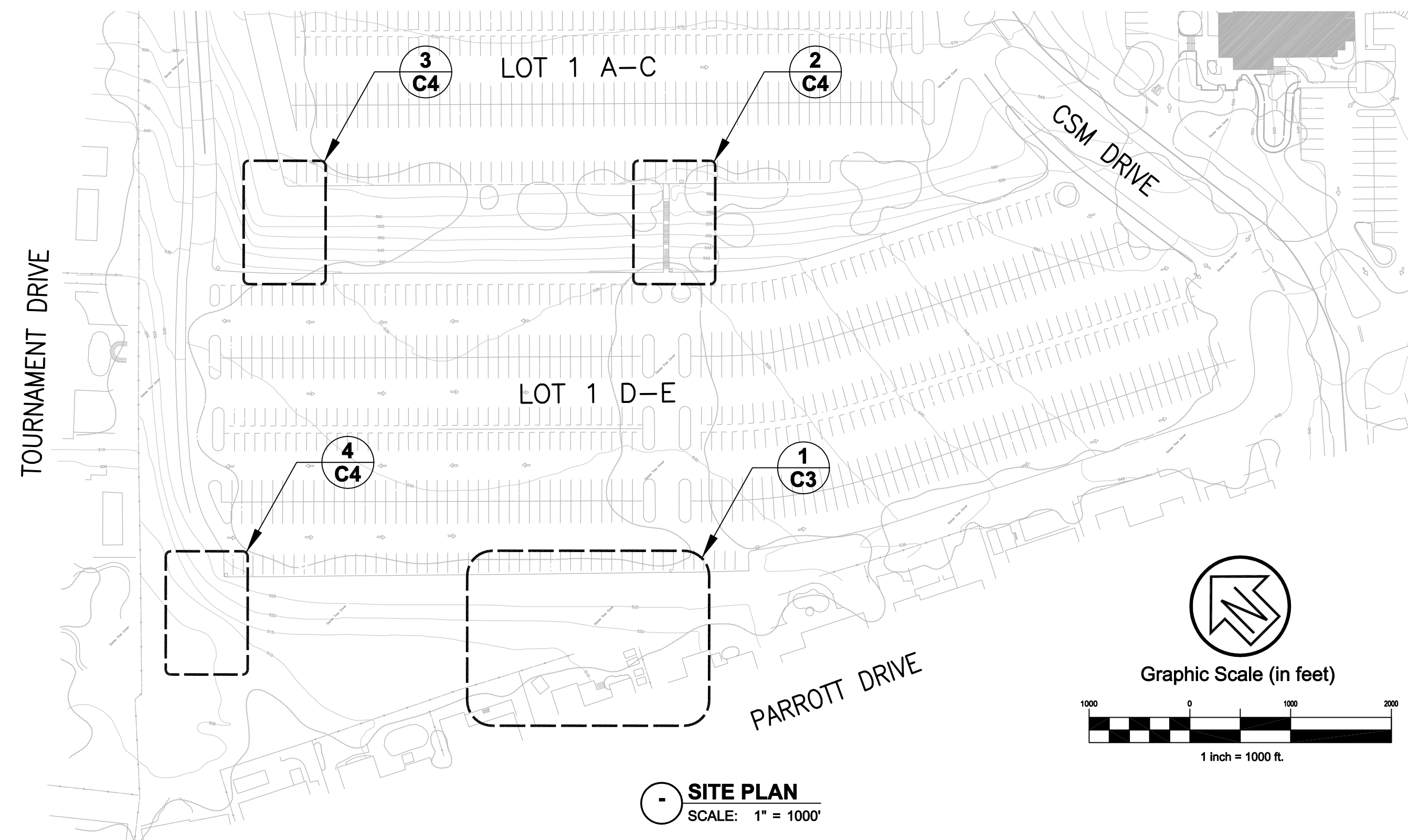
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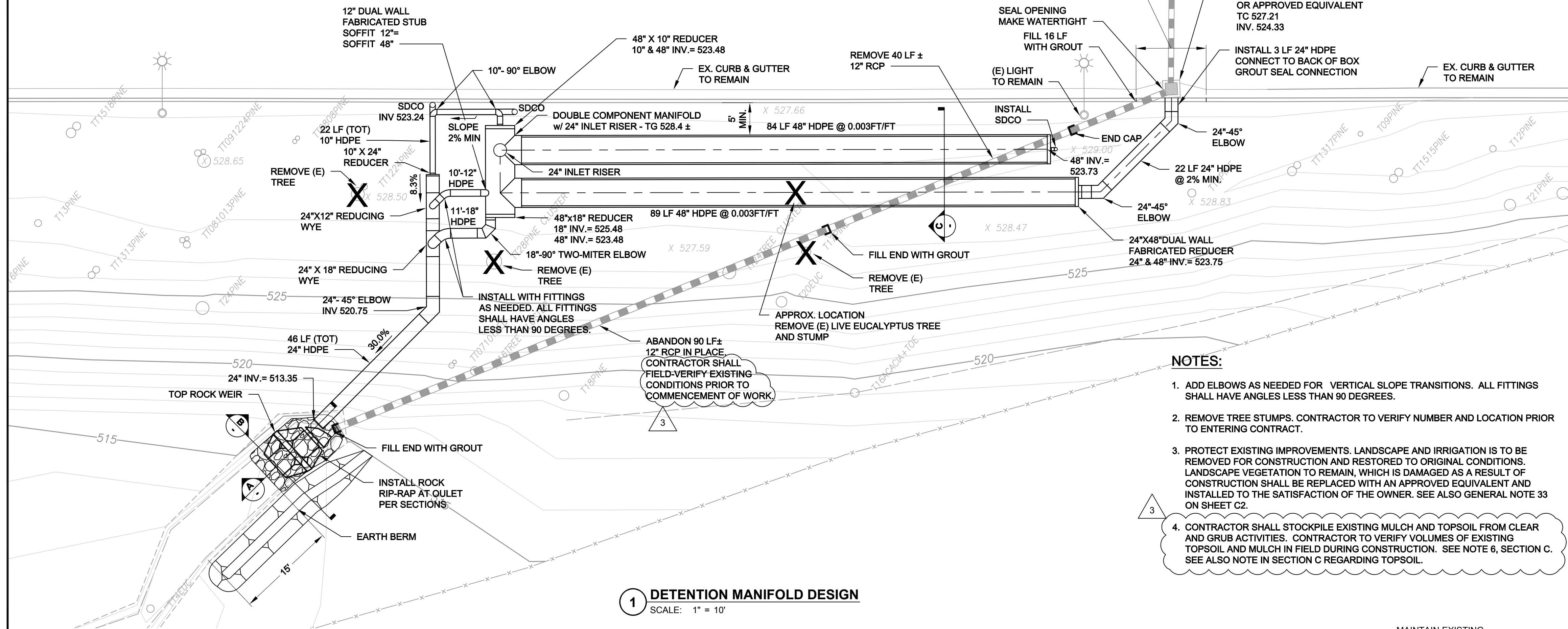
Sheet

C2

Scale: AS SHOWN
 Date: 05/11/2012
 Project Number: 4.1121.05
 Plan File: D-5051-02

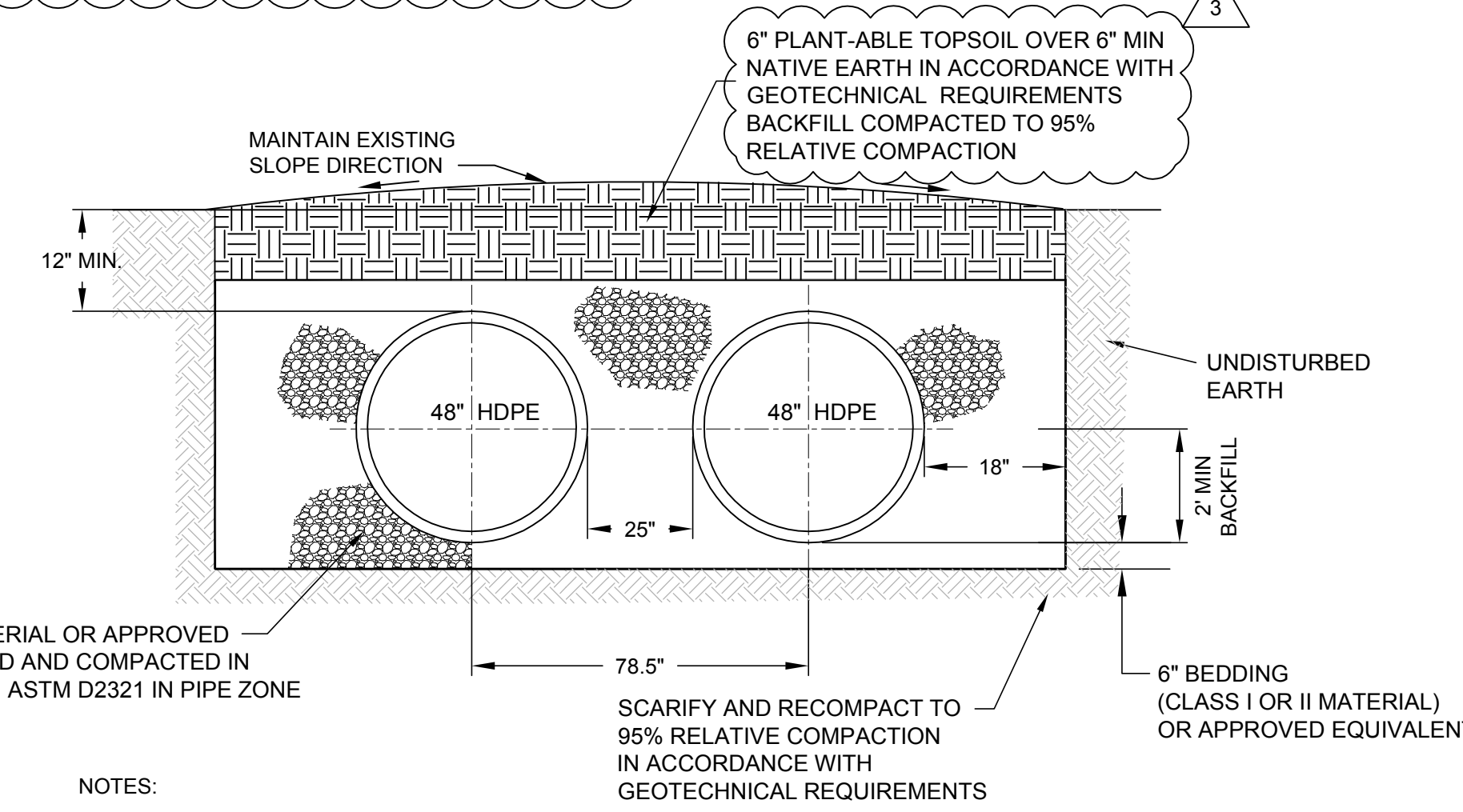


**LOT 1 D-E
PARKING LOT**

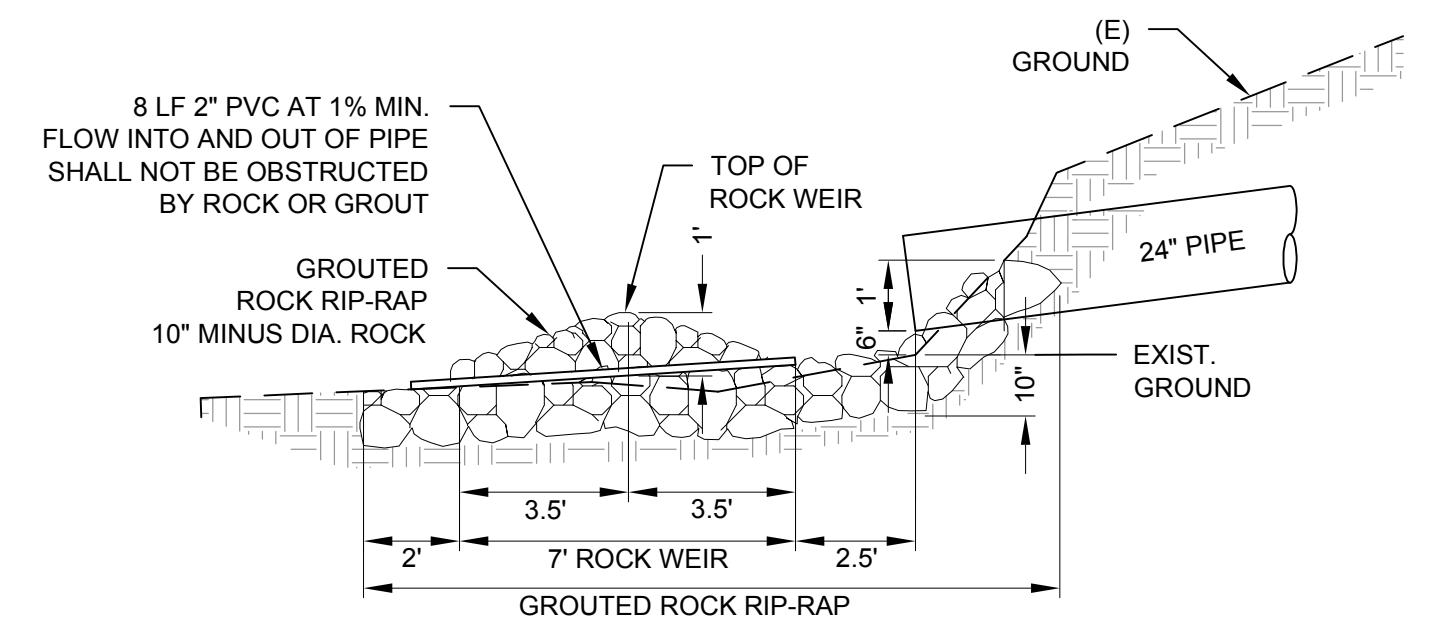


- NOTES:**
- ADD ELBOWS AS NEEDED FOR VERTICAL SLOPE TRANSITIONS. ALL FITTINGS SHALL HAVE ANGLES LESS THAN 90 DEGREES.
 - REMOVE TREE STUMPS. CONTRACTOR TO VERIFY NUMBER AND LOCATION PRIOR TO ENTERING CONTRACT.
 - PROTECT EXISTING IMPROVEMENTS. LANDSCAPE AND IRRIGATION IS TO BE REMOVED FOR CONSTRUCTION AND RESTORED TO ORIGINAL CONDITIONS. LANDSCAPE VEGETATION TO REMAIN, WHICH IS DAMAGED AS A RESULT OF CONSTRUCTION SHALL BE REPLACED WITH AN APPROVED EQUIVALENT AND INSTALLED TO THE SATISFACTION OF THE OWNER. SEE ALSO GENERAL NOTE 33 ON SHEET C2.
 - CONTRACTOR SHALL STOCKPILE EXISTING MULCH AND TOPSOIL FROM CLEAR AND GRUB ACTIVITIES. CONTRACTOR TO VERIFY VOLUMES OF EXISTING TOPSOIL AND MULCH IN FIELD DURING CONSTRUCTION. SEE NOTE 6, SECTION C. SEE ALSO NOTE IN SECTION C REGARDING TOPSOIL.

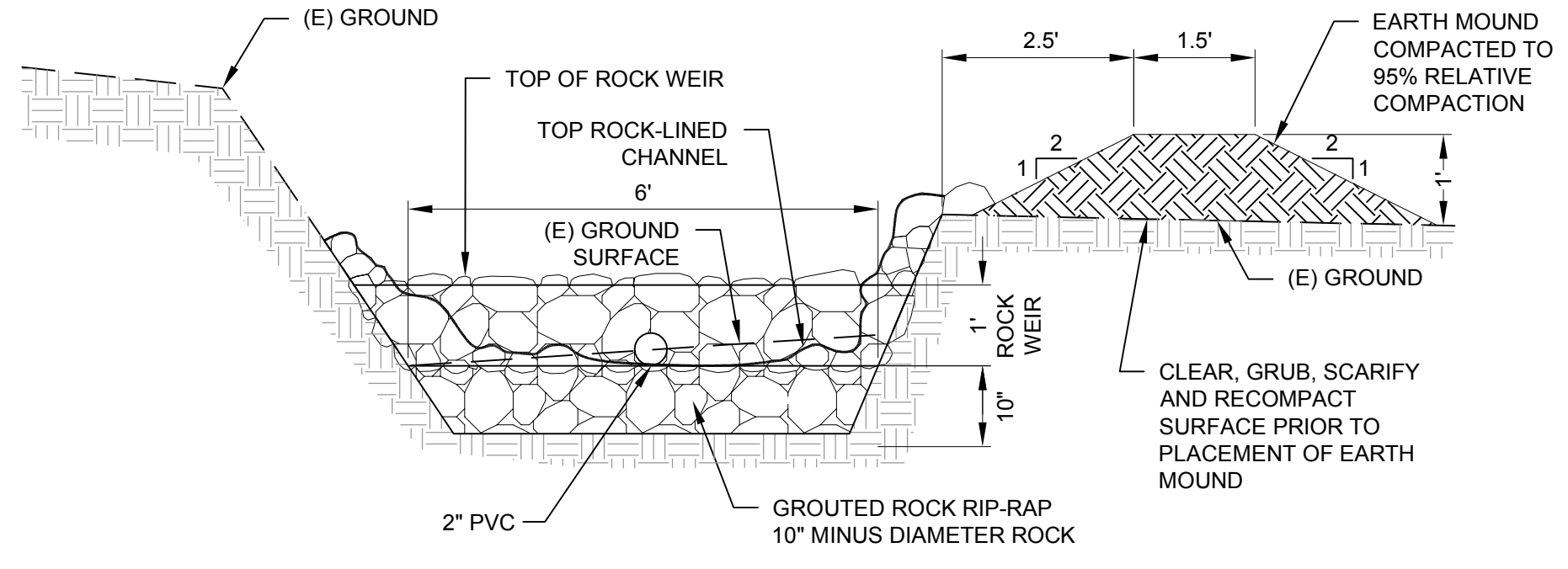
1 DETENTION MANIFOLD DESIGN
SCALE: 1" = 10'



- NOTES:**
- ALL REFERENCES TO CLASS I OR II MATERIAL ARE PER ASTM D2321 "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST EDITION.
 - DETENTION SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, LATEST EDITION AND THE MANUFACTURER'S PUBLISHED INSTALLATION GUIDELINES.
 - WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE GEOTECHNICAL ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE GEOTECHNICAL ENGINEER.
 - BEDDING MATERIAL SHALL BE CLASS I OR II OR APPROVED EQUIVALENT. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER, UNLESS OTHERWISE NOTED BY THE ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE 4" FOR 4"-24" DIA. PIPE; 6" FOR 30"-60" DIA. PIPE.
 - INITIAL BACKFILL MATERIAL SHALL BE CLASS I OR II OR APPROVED EQUIVALENT IN THE PIPE ZONE EXTENDING NOT LESS THAN 2' ABOVE INVERT OF PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER.
 - 2" MINIMUM MULCH SHALL BE PLACED OVER DISTURBED AREA UPON COMPLETION OF GRADING.



A SECTION
SCALE: NTS



B SECTION
SCALE: NTS

C SECTION
SCALE: NTS

Rev	Date	Description
3	06/19/2012	ADDENDUM 1
2	05/19/2012	REVISED PER PC #1 COMMENTS
1	05/11/2012	ISSUED FOR CONSTRUCTION

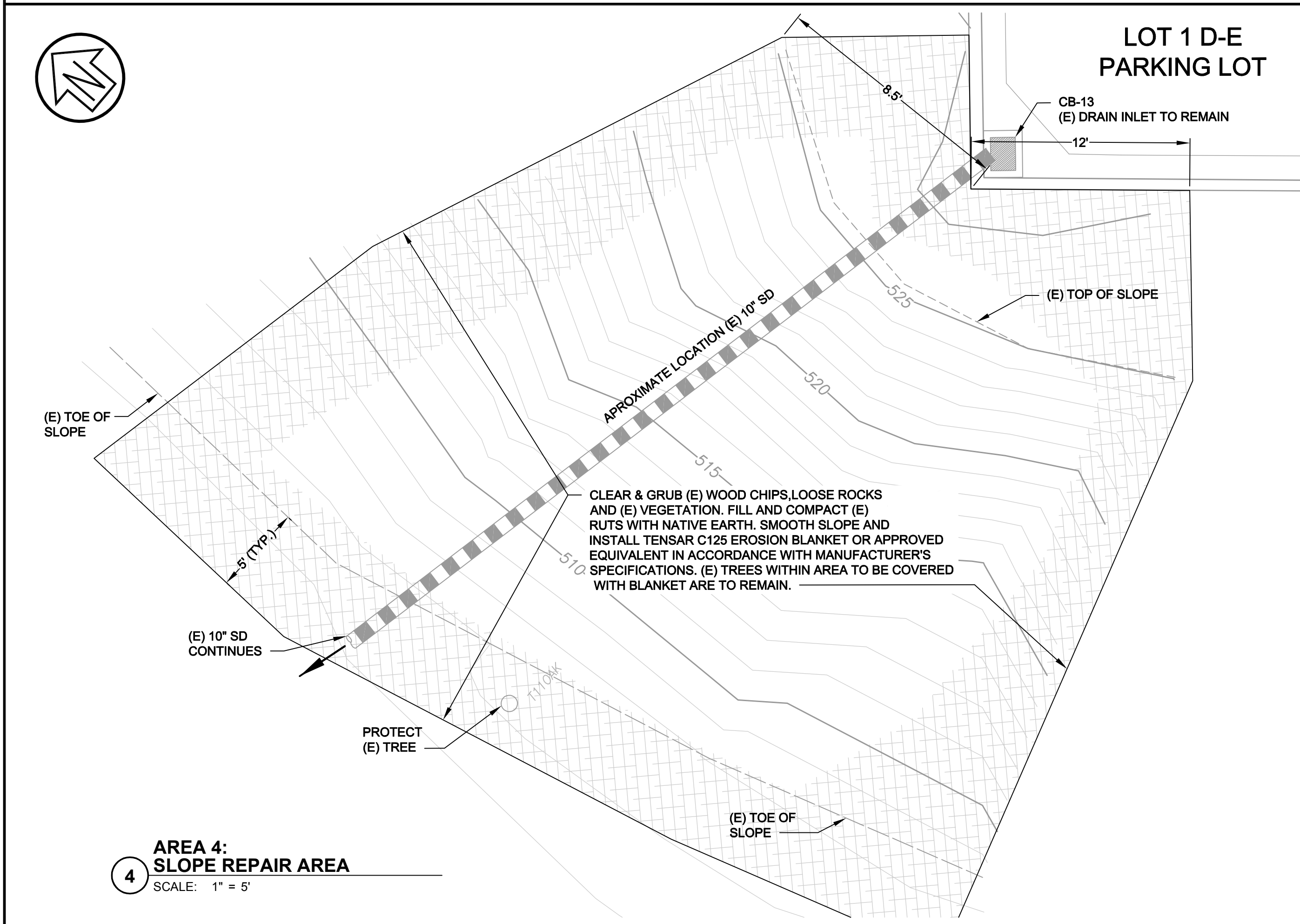
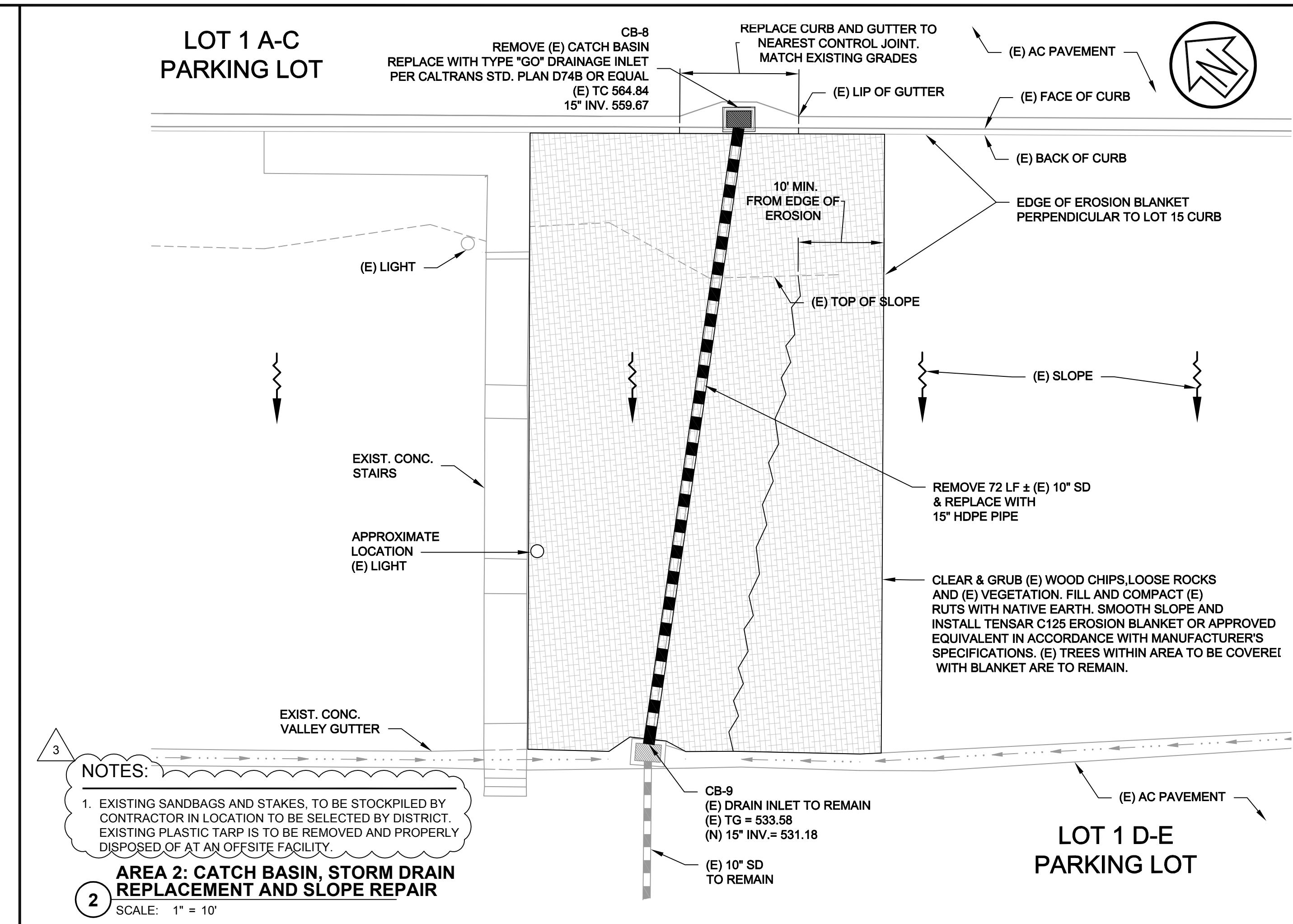
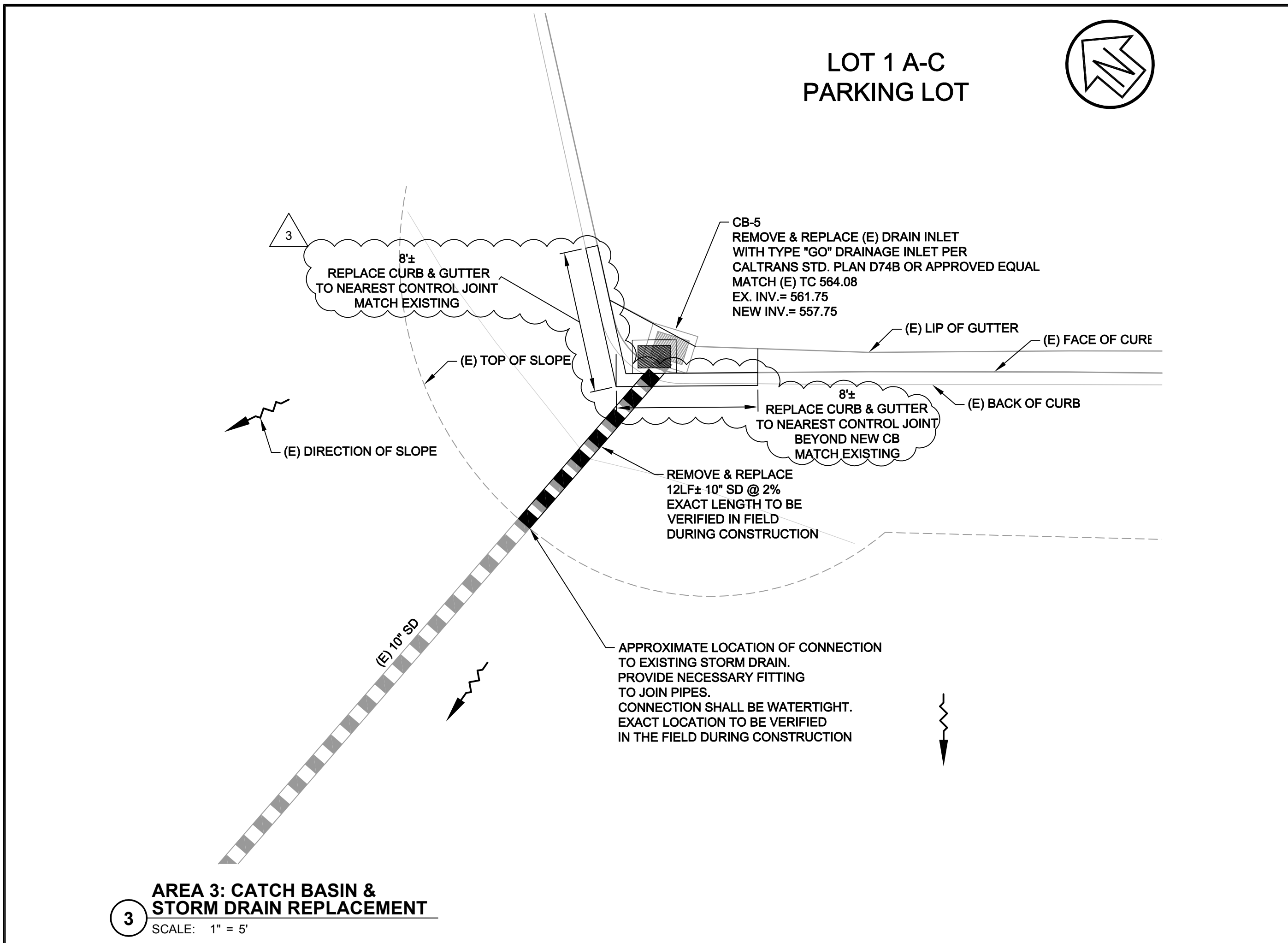
STORM DRAIN REPAIR AND IMPROVEMENT PROJECT
STORM DRAIN UPGRADE AREA
SAN MATEO COUNTY
COMMUNITY COLLEGE DISTRICT

City Of
San Mateo
 County Of
San Mateo
 State Of
California

Prepared Under the Direction of:

JAMES J. GROSSI, JR.
 No. 28538
 CIVIL
 STATE OF CALIFORNIA

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C3
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 Date: 05/11/2012
 Project Number: 4.1121.05
 Plan File: D-5051-03



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3	06/19/2012	ADDENDUM 1
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STORM DRAIN REPAIR AND IMPROVEMENT PROJECT
STORM DRAIN UPGRADE AND SLOPE REPAIR AREAS
SAN MATEO COUNTY COMMUNITY COLLEGE DISTRICT

City Of
San Mateo
County Of
San Mateo
State Of
California

Prepared Under the Direction of:

JAMES J. GROSSI, JR.
No. 26538
CIVIL
STATE OF CALIFORNIA

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Scale: AS SHOWN
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