

CITY OF MORGAN HILL GENERAL NOTES:

- TEMPORARY BENCH MARK - BASED ON A CITY APPROVED BENCHMARK AS SHOWN ON THESE PLANS.
- ALL EXISTING ELEVATIONS SHALL BE VERIFIED BY CONTRACTOR UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL NOT DISRUPT EXISTING PERMANENT SURVEY MONUMENTS.
- ALL WORK SHALL BE CONDUCTED IN ACCORDANCE WITH THE CITY OF MORGAN HILL STANDARD DETAILS FOR CONSTRUCTION WHICH ARE HEREBY MADE A PART OF THESE PLANS. DEVIATIONS FROM THE STANDARD DETAILS MUST BE APPROVED BY THE CITY ENGINEER.
- CONTRACTOR SHALL ARRANGE FOR A PRE-CONSTRUCTION MEETING WITH THE PROJECT ENGINEER AND CITY ENGINEER (MUNICIPAL CODE 17.32.260) PRIOR TO COMMENCING ANY CONSTRUCTION. AN ENCROACHMENT PERMIT SHALL BE ISSUED BY THE CITY ENGINEER.
- A GRAVING PERMIT WILL BE REQUIRED. CONTRACTOR SHALL NOTIFY THE PUBLIC WORKS DEPARTMENT 48 HOURS PRIOR TO COMMENCEMENT OF ANY IMPROVEMENTS WITHIN AN EXISTING OR OFFERED FOR DEDICATION RIGHT-OF-WAY, PUBLIC UTILITY EASEMENT OR PUBLIC SERVICE EASEMENT.
- CONTRACTOR SHALL PRESERVE ALL SURROUNDING PROPERTY BY CONFINING OPERATIONS TO WITHIN THE TUMULUS OF WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ACCESS FOR ALL ADJOINING RESIDENTS, PLACES OF BUSINESS, AND PROFESSIONALS AT ALL TIMES AND IN A SAFE MANNER. CONTRACTOR SHALL MAKE PROPER NOTIFICATION AT LEAST 48 HOURS IN ADVANCE OF ANY INTERRUPTION IN ACCESS OR SERVICE TO THE ADJOINING RESIDENTS, PLACES OF BUSINESS, AND PROFESSIONALS.
- CONTRACTOR SHALL ONLY USE EQUIPMENT PROVIDED WITH A SPARK ARRESTOR DEVICE TO REDUCE A POTENTIAL FIRE HAZARD.
- OFF-SITE WATER & DUST CONTROL
- CONTRACTOR SHALL PROVIDE A WATER TRUCK DUST SUPPRESSOR FROM THE CITY OF MORGAN HILL WATER DISTRIBUTION SYSTEM ONLY AFTER OBTAINING A PERMIT FROM THE PUBLIC WORKS DEPARTMENT AND AN INSPECTION OF THE WATER TRUCK FOR A SPINNING RACOON DEVICE OR MPP-GAP FILLING PIPE. CONTRACTOR SHALL KEEP DUST DUST FROM CONSTRUCTION ACTIVITY TO THE MINIMUM EXTENT POSSIBLE. CONTRACTOR SHALL CLEAN THE STREETS, CURBS, GUTTERS, AND SIDEWALKS AFFECTED BY THE PROJECT AT THE END OF EACH WORKING DAY.
- MATERIAL STORING
- ALL MATERIALS SHALL BE STORED NEAR THE EDGE OF PAVED TRAVELED WAY, SIDEWALK, DRIVEWAY, OR SHOULDER LINE, WHICH MAY CREATE A HAZARD FOR VEHICULAR AND PEDESTRIAN TRAFFIC.
- TRAFFIC CONTROL
- CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN FOR APPROVAL TO THE PUBLIC WORKS DEPARTMENT A MINIMUM OF 5 DAYS PRIOR TO ANY WORK WITHIN AN EXISTING PUBLIC STREET. THE PLAN SHALL BE SIGNED BY A LICENSED TRAFFIC ENGINEER WHEN IT INVOLVES AN ARTICULATED STREET. CONTRACTOR SHALL PROVIDE ALL NECESSARY TRAFFIC CONTROL IN ACCORDANCE WITH THE LATEST EDITION OF "MUTCD", WHILE WORKING WITHIN THE PUBLIC RIGHT-OF-WAY. TWO TRAFFIC LANES (10' MIN) SHALL BE OPEN TO VEHICULAR TRAFFIC DURING ALL HOURS, WORKDAYS, AND HOLIDAYS. ONE LANE ONE WAY TRAFFIC, WITH ONE LANE OPEN UNDER THE CONTROL OF AN APPROVED TRAFFIC DIRECTOR. CONTRACTOR SHALL USE APPROVED TRAFFIC CONTROL MEASURES AS RECOMMENDED IN THE STANDARDS AND SPECIFICATIONS OF THE CALIFORNIA HIGHWAY AND POLICE DEPARTMENT.
- TRENCH EXCAVATION
- CONTRACTOR SHALL EXCAVATE DUGOUTS DURING THE APPROVAL OF THE SOILS REPORT AND OTHER AVAILABLE RESOURCES TO FAMILIARIZE ITSELF WITH THE SOIL CONDITIONS TO BE ENCOUNTERED IN THE COURSE OF EXCAVATION. THESE PLATES SHALL NOT CAUSE DAMAGE TO ADJACENT TREES OR EXISTING STRUCTURES ABOVE OR BELOW GRADE DURING TRENCH EXCAVATION. ALL ROCKS, BOULDERS, AND LARGE STONES ENCOUNTERED SHALL BE REMOVED TO PROVIDE A CLEARANCE OF 6 INCHES AROUND THE PIPE. THE TRENCH BOTTOM SHALL BE REFLINED TO GRADE WITH SAND, PER GRAVEL, OR OTHER APPROVED GRANULAR MATERIAL. CLEAN WATER SHALL BE USED FOR TRENCH CLEANING. THE TRENCH BOTTOM SHALL BE REFLINED TO GRADE WITH APPROVED GRANULAR MATERIAL. THE TRENCH EXCAVATION MATERIAL DEPOSITED ADJACENT TO THE TRENCH SHALL BE PLACED AND LOCATED TO PREVENT SPILLAGE INTO THE OPEN TRENCH.
- TRASH
- IT SHALL BE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL NECESSARY TRENCH SAFETY MEASURES FOR EXCAVATION. ALL TRENCH SAFETY MEASURES SHALL BE IN ACCORDANCE WITH THE LATEST CAL-OSHA GUIDELINES.
- CONTRACTOR SHALL PROVIDE ENOUGH TRENCH SAFETY EQUIPMENT TO ALLOW FOR A 40' DEEP TRENCH. TRENCHES 40' DEEP OR DEEPER SHALL BE BACKFILLED, COMPACTED, AND TEMPORARILY PAVED WITH COLD MIX "CUT BACK" TYPE AC TO ALLOW FOR VEHICULAR AND PEDESTRIAN TRAFFIC PRIOR TO 4:00 P.M. THE USE OF TRENCH PLATES IS ALLOWED, PROVIDED THE CONTRACTOR COVERS ALL EDGES OF THE PLATES WITH COLD MIX MATERIAL. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN ON A DAILY BASIS, INCLUDING WEEKENDS, THE AMOUNT OF MATERIAL NECESSARY TO MAINTAIN THE TRENCH SURFACE FLUSH WITH THE EXISTING STREET OR SIDEWALK. IN ADDITION, THE CONTRACTOR SHALL RESPOND TO AND CORRECT SHIFTING TRENCHES DURING THE DURATION OF THE PROJECT. IF CONTRACTOR FAILS TO CORRECT SHIFTING BACKFILLED MATERIAL OR SHIFTING TRENCH PLATES IN A timely MANNER, CITY SHALL RESERVE THE RIGHT TO CORRECT THE PROBLEM AND CHARGE THE CONTRACTOR.

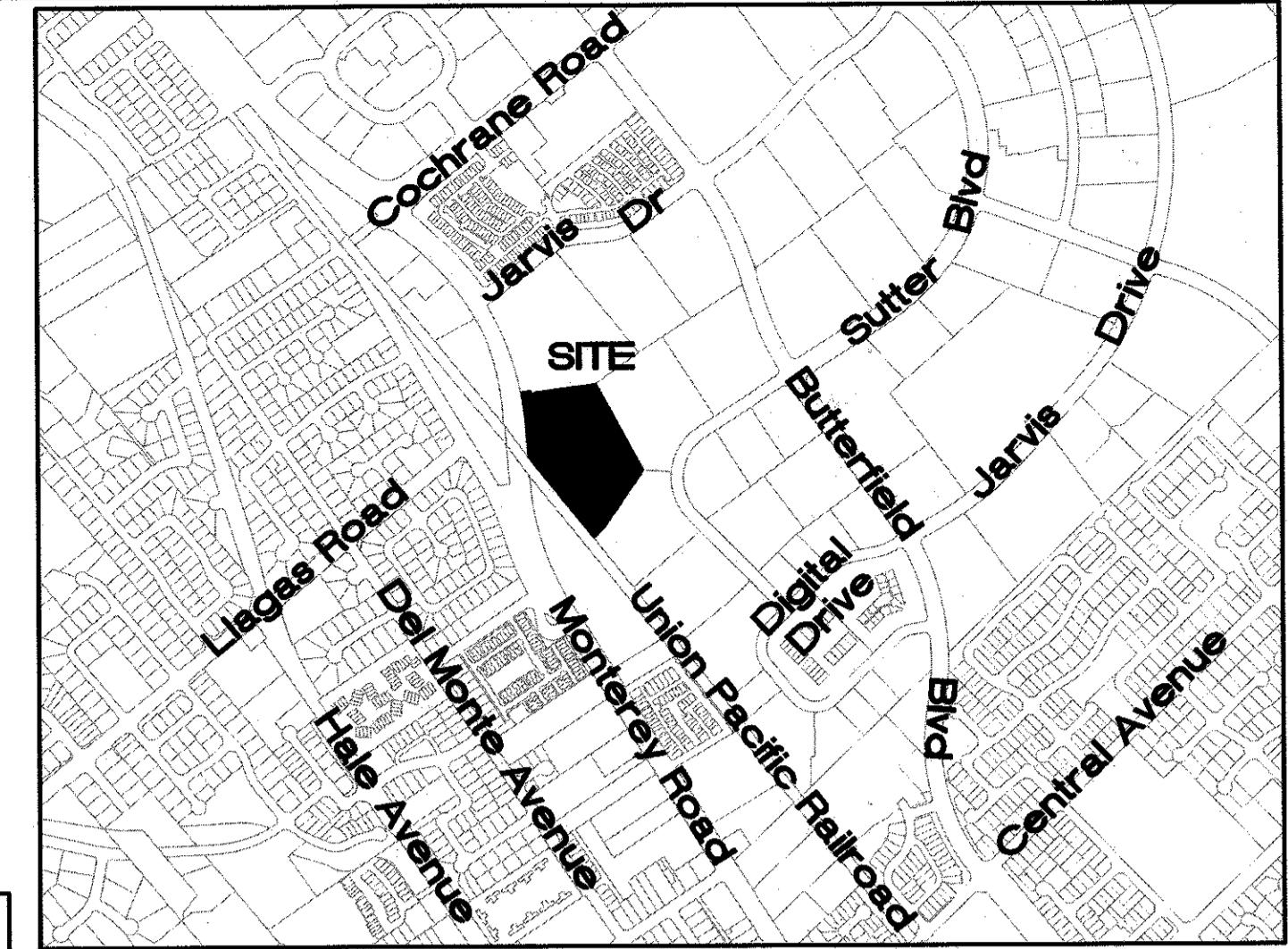
Excavation & Grading Plan

for Fisher Basin Expansion

Monterey Road - APN 726-25-028

in the

City of Morgan Hill



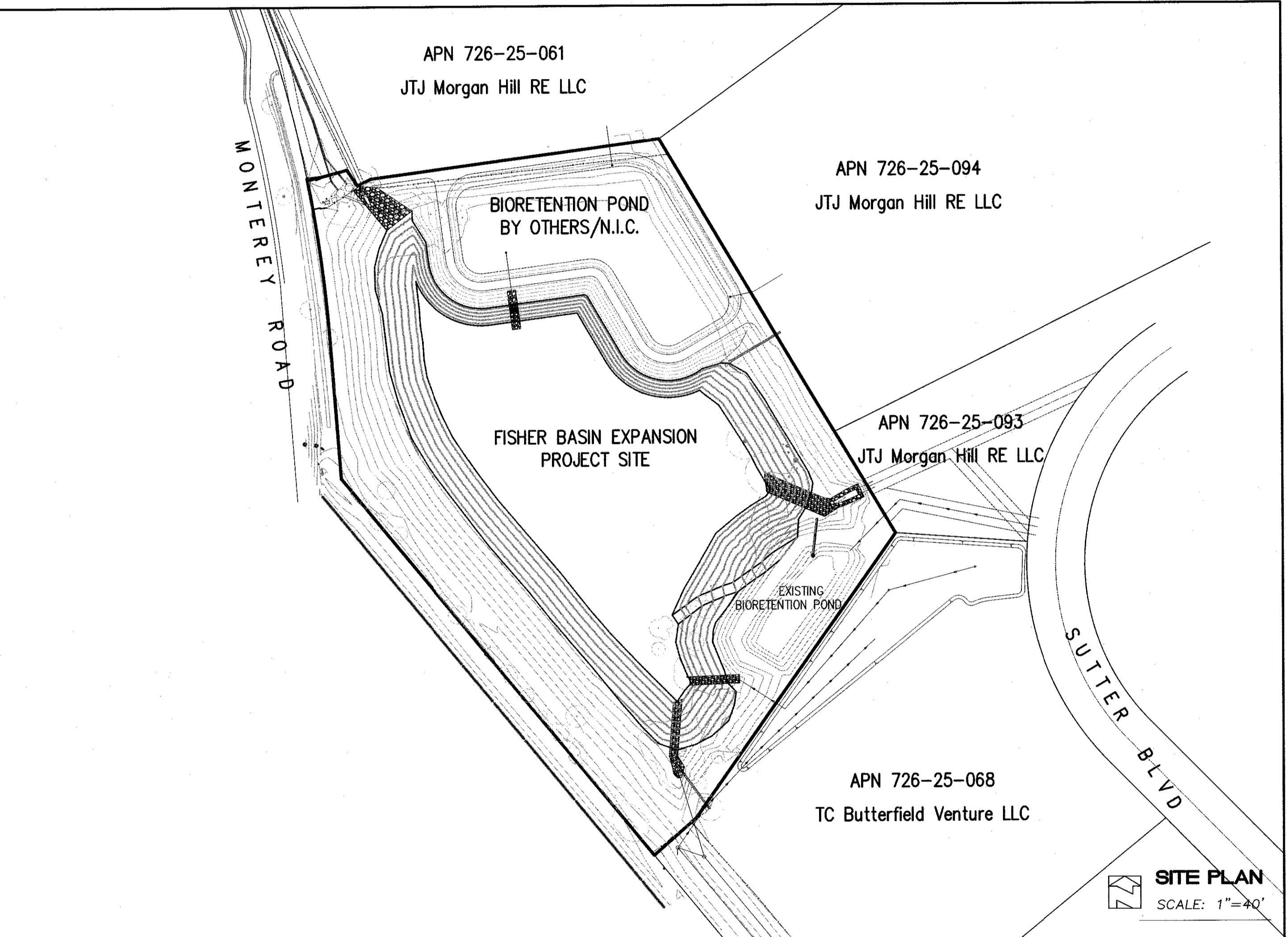
VICINITY MAP
NO SCALE

FLOODZONE STATEMENT

FLOOD NOTE: BY GRAPHIC PLOTTING ONLY, THIS PROPERTY IS IN ZONE X.

ZONE X:
0.2% ANNUAL CHANCE FLOOD HAZARD. AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTH LESS THAN ONE FOOT OR WITH DRAINAGE AREAS OF LESS THAN ONE SQUARE MILE - ZONE X

COMMUNITY - CITY OF MORGAN HILL
COMMUNITY PANEL NO. - 06085443H
EFFECTIVE DATE OF MAY 18, 2009



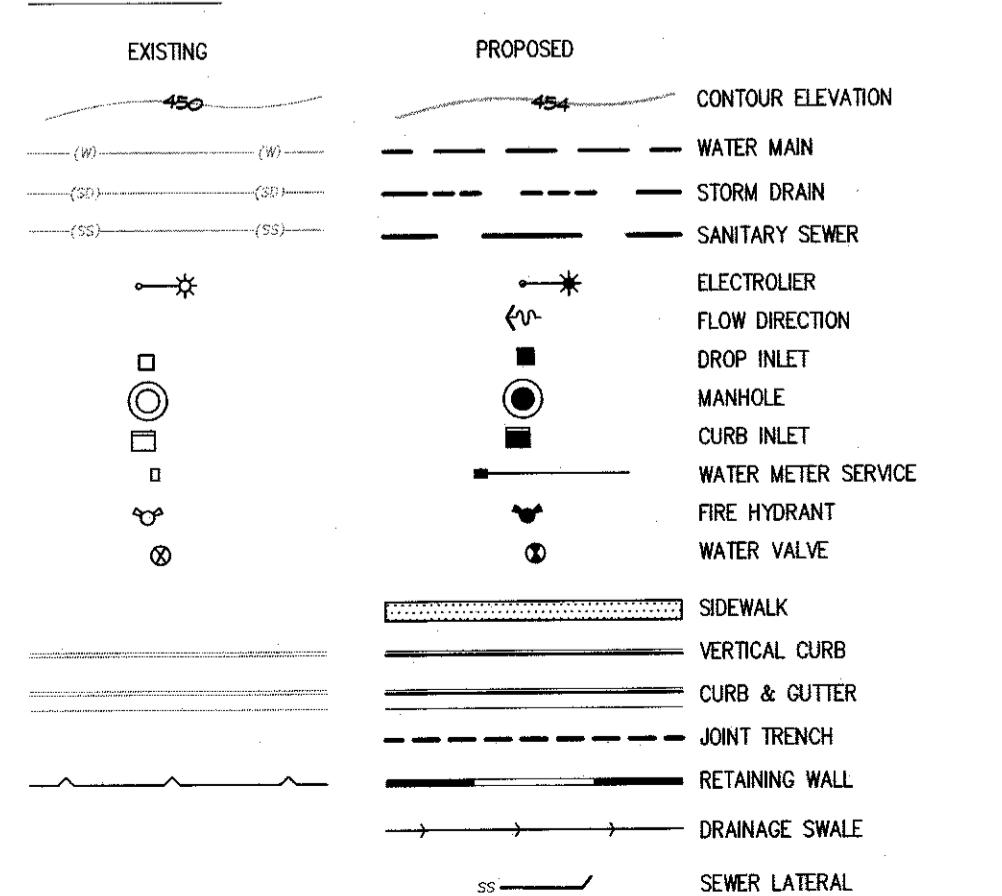
DEVELOPER/OWNER

CITY OF MORGAN HILL
17575 PEAK AVENUE
MORGAN HILL, CA 95037

ABBREVIATIONS

AC	ASPHALT CONCRETE	ER	END OF RETURN
AB	AGGREGATE BASE	EST	END OF STRETCH
AGC	AGGREGATE	EV	EXISTING
BC	BEGINNING OF CURVE	FF	FINISH FLOOR
BLDG	BUILDING	FG	FINISH GRADE
BOC	BACK OF CURB	FH	FIREFRANT HYDRANT
BOC	BLOW OFF	FL	FLUSH LINE
BOT	BOTTOM	FOC	FACE OF CURB
BOW	BACK OF WALK	GM	GAS LINE
BW	BOTTOM OF WALL	GB	GAS METER
BWF	BARBWIKE FENCE	GR	GRADE BREAK
CATV	CABLE TELEVISION	GUY	GUY WIRE FOR POLE
CB	CATCH BASIN	GV	GRADE
CBT	CURB CUTTER	HOPE	HIGH DENSITY POLYETHYLENE
CI	CURB INLET	HMA	HOT MIX ASPHALT
CL	CENTERLINE	HP	HIGH POINT
CMP	CORRUGATED METAL PIPE	INV	INVERT OF PIPE
CMU	CONCRETE MASONRY UNIT	IP	IRON PIPE
CO	CLEAN OUT	JP	JOINT POLE
CONC	CONCRETE	JT	JOINT TRENCH
CONST	CONSTRUCTION	LF	LINEAR FEET
DDCV	DOUBLE DETECTOR CHECK	LP	LOW POINT
DI	DROP INLET	MAX	MAXIMUM
DIP	DOWN INLET PIPE	MIN	MINIMUM
DMA	DRAINAGE MANAGEMENT AREA	N.I.C.	NOT IN CONTRACT
DS	DOWNSPOUT	(N)	(N)
DWY	DRIVEWAY	OHU	OVERHEAD UTILITY
E	ELECTRIC LINE	PB	PULL BOX
EC	END OF CURVE	PC	PORTLAND CONCRETE CEMENT
ELEV	ELEVATION	PSC	PUBLIC SERVICE EASEMENT
EP	EDGE OF PAVEMENT	P.S.D.E.	PRIVATE STORM DRAIN EASEMENT

LEGEND



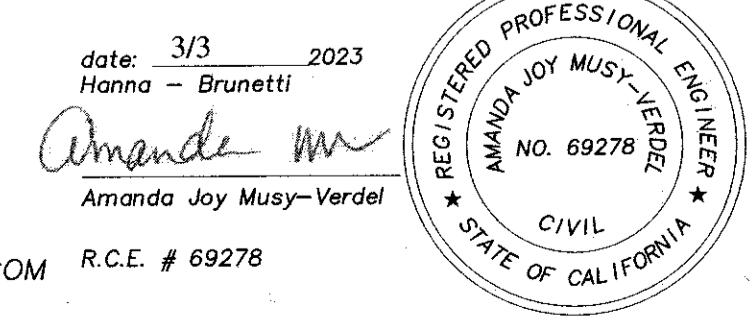
GEOETHENICAL SOILS SAMPLING

A SOILS SAMPLING REPORT WAS PERFORMED BY
ENCO INCORPORATED
REPORT 9158.000.003
DATED JULY 7, 2022 REVISED JULY 28, 2022
A COPY IS AVAILABLE FROM
THE CITY OF MORGAN HILL

CIVIL ENGINEER

HANNA - BRUNETTI
7651 EIGLEBERRY STREET
GILROY, CA 95020

date: 3/3
Hanna - Brunetti
2023
Amanda M.
Amanda Joy Musy-Verdele
R.C.E. # 69278
CIVIL



OFFICE: 408 842-2173
EMAIL: ENGINEERING@HANNABRUNETTI.COM R.C.E. # 69278

GRADING QUANTITIES

SEE SHEET 4

SHEET INDEX

- COVER SHEET
- PROJECT NOTES
- EXISTING TOPOGRAPHIC SURVEY
- EXCAVATION & GRADING PLAN
- SECTIONS & DETAILS
- EROSION CONTROL & ACCESS
- EROSION CONTROL NOTES & DETAILS

PROJECT NOTES

1. ALL WORK AND MATERIALS SHALL BE IN CONFORMANCE WITH THE FOLLOWING:

A. STANDARD SPECIFICATIONS AND STANDARD DETAILS, LATEST EDITION, OF THE CITY OF MORGAN HILL

B. THESE PLANS AND SPECIFICATIONS AS APPROVED FOR CONSTRUCTION BY THE CITY OF MORGAN HILL, ENGINEERING AND UTILITIES DEPARTMENT.

2. CONTRACTOR SHALL SECURE AND COMPLY WITH CITY PERMIT REQUIREMENTS. CONTRACTOR SHALL NOTIFY THE CITY 2 WORKING DAYS PRIOR TO THE INTENTION TO COMMENCE WORK. (PUBLIC WORKS DEPARTMENT PHONE 408-776-7333).

3. CONTRACTOR SHALL SUPPLY ALL EQUIPMENT, LABOR AND MATERIALS NECESSARY TO PERFORM THE WORK SHOWN ON THIS PLAN. CONTRACTOR SHALL USE ANDEQUATE NUMBERS OF SKILLED WORKMEN WHO ARE THOROUGHLY TRAINED AND EXPERIENCED IN THE NECESSARY CRAFTS AND WHO ARE COMPLETELY FAMILIAR WITH THE SPECIFIED REQUIREMENTS AND THE METHOD NEEDED FOR PROPER PERFORMANCE OF THE WORK.

4. CONTRACTOR SHALL COORDINATE ALL WORK, INCLUDING SUB-CONTRACTORS' WORK, SO AS TO ELIMINATE CONFLICTS AND WORK TOWARDS THE GENERAL GOOD AND COMPLETION OF THE ENTIRE PROJECT.

5. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINATE ALL KNOWN UNDERGROUND UTILITIES. THE CONTRACTOR IS CAUTIONED THAT ONLY EXCAVATION WILL REVEAL THE TYPES, EXTENTS, SIZES, LOCATION AND DEPTHS OF SUCH UNDERGROUND UTILITIES. HOWEVER, NEITHER THE CITY, NOT THE CONSULTANT CAN ASSUME RESPONSIBILITIES FOR THE COMPLETENESS OR ACCURACY OF THE DELINATE OF SUCH UNDERGROUND UTILITIES. FOR THIS REASON, THE CONTRACTOR IS ADVISED TO LOCATE OTHER BARRIERS OR UTILITIES WHICH ARE NOT SHOWN ON THESE DRAWINGS. THE CONTRACTOR IS HEREBY NOTIFIED THAT, PRIOR TO COMMENCING CONSTRUCTION, HE IS RESPONSIBLE FOR CONTACTING THE UTILITY COMPANIES INVOLVED AND REQUESTING A VISUAL VERIFICATION OF THE LOCATIONS OF THEIR UNDERGROUND FACILITIES.

6. THE UTILITY COMPANIES ARE MEMBERS OF THE UNDERGROUND SERVICE ALERT OR CALL PROGRAM. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS CONTRACT SHALL NOTIFY MEMBER OF THE U.S.A. 2 WORKING DAYS IN ADVANCE OF PERFORMING EXCAVATION WORK BY CALLING THE TOLL-FREE NUMBER 800-227-2600. EXCAVATION IS DEFINED AS BEING 18 OR MORE INCHES IN DEPTH BELOW THE EXISTING GROUND.

7. THE CONTRACTOR SHALL REMOVE ALL OBSTRUCTIONS, BOTH ABOVE GROUND AND UNDERGROUND, EXCEPT AS NOTED IN ITEM 5 ABOVE, AS NECESSARY FOR THE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS.

8. CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH ANY CURRENTLY APPLICABLE SAFETY LAW OF ANY JURISDICTIONAL BODY. FOR INFORMATION REGARDING THIS PROVISION, THE CONTRACTOR IS DIRECTED TO CONTACT THE STATE OF CALIFORNIA, DIVISION OF OCCUPATIONAL SAFETY AND HEALTH, SAN JOSE, CA PHONE (408) 452-7288. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL BARRICADES, SAFETY DEVICES, AND CONTROL OF TRAFFIC, WHICH ARE CONSIDERED NECESSARY FOR ALL EXCAVATION FIVE (5) FEET OR MORE IN DEPTH. THE CONTRACTOR SHALL OBTAIN A PERMIT FROM THE DIVISION OF OCCUPATIONAL SAFETY AND HEALTH, 2010 N. FIRST STREET, SUITE 401, SAN JOSE, CA 95131, PRIOR TO BEGINNING ANY EXCAVATION. A COPY OF THIS PERMIT SHALL BE AVAILABLE AT THE CONSTRUCTION SITE AT ALL TIMES.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING SURVEY MONUMENTS AND OTHER SURVEY MARKERS DURING CONSTRUCTION. ALL SUCH MONUMENTS OR MARKERS DAMAGED OR DESTROYED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

10. WHERE THE FIRM OF HANNA & BRUNETTI DOES NOT PROVIDE CONSTRUCTION STAKES, SAID FIRM WILL ASSUME NO RESPONSIBILITY WHATSOEVER FOR IMPROVEMENTS CONSTRUCTED THEREFROM.

11. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE 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, INDEMNU, AND HOLD HANNA & BRUNETTI AND THE OTHER PARTIES FROM ANY AND ALL LIABILITY, REAL AND ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE DESIGN PROFESSIONAL, OR THE CITY.

12. THE CONSTRUCTION CONTRACTOR SHALL BE RESPONSIBLE FOR TRAFFIC CONTROL. ALL WARNING AND TRAFFIC CONTROL SIGNS, AND LOCATIONS FOR THE SIGNS SHALL BE IN ACCORDANCE WITH MUTCD REQUIREMENTS AND APPROVED BY THE CITY ENGINEER.

13. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON THE JOB, AND SHALL NOTIFY HANNA & BRUNETTI OF ANY VARIATION FROM THE DIMENSIONS AND CONDITIONS SHOWN. WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING SHOP DRAWINGS BEFORE PROCEEDING WITH ANY FABRICATION.

14. ANY DISCREPANCIES OR OMISSIONS FOUND IN THE CONTRACT DOCUMENTS SHALL BE REPORTED TO THE CITY ENGINEER, AND THE DESIGN ENGINEER IMMEDIATELY. THE DESIGN ENGINEER WILL CLARIFY DISCREPANCIES OR OMISSIONS, IN WRITING, WITHIN A REASONABLE TIME.

15. THE SITE IS AN AREA OF ARCHEOLOGICAL PROBABILITY. IN THE EVENT THAT ARCHEOLOGICAL OR HISTORICAL TRACES ARE ENCOUNTERED DURING GRADING, THE WORK SHALL BE STOPPED, THE COMMUNITY DEVELOPMENT DEPARTMENT SHALL BE CONTACTED, AND AN ARCHEOLOGIST SHALL BE RETAINED AT THE CITY'S EXPENSE TO EXAMINE THE FIND AND TO MAKE THE APPROPRIATE RECOMMENDATIONS. (PLNG)

GRADING AND PAVING NOTES

1. ALL WORK SHALL BE IN CONFORMANCE WITH THE FOLLOWING:
A. APPLICABLE SECTIONS OF THE CALTRANS STANDARD SPECIFICATIONS, LATEST EDITION.
B. STANDARD SPECIFICATIONS AND STANDARD DETAILS, LATEST EDITION OF THE CITY OF MORGAN HILL

2. CONTRACTOR SHALL NOTIFY THE CITY 2 WORKING DAYS BEFORE STARTING GRADING WORK.

3. WORK SHALL CONSIST OF ALL EARTHWORK RELATED TO THE PROJECT; ALL CLEARING, GRUBBING, STRIPPING, ROUGH GRADING, DISPOSAL, PREPARATION OF FOUNDATION AND MATERIALS FOR RECEIVING FILLS, EXCAVATION, IMPORT AND/EXPORT OF FILL, PROCESSING, PLACEMENT AND COMPACTION OF FILLS, PLACEMENT OF RIP RAP, AND ALL SUBSIDIARY WORK NECESSARY TO COMPLETE THE GRADING AND PAVING TO CONFORM TO THE LINES, GRADES, AND SLOPES, AS SHOWN ON THESE PLANS.

4. SITE CONDITIONS: THE CONTRACTOR SHALL VISIT THE SITE, EXAMINE AND NOTE ALL CONDITIONS AS TO THE CHARACTER AND EXTENT OF WORK INVOLVED.

5. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS OR CERTIFICATES AS REQUIRED BY THE CITY.

6. ALL EARTHWORK UNDER ACCESS ROAD & SIDE SLOPES SHALL BE CONSTRUCTED PER THE GRADING SPECIFICATIONS OF CALTRANS STANDARDS. ALL SOIL SHALL BE COMPACTION TO A MINIMUM OF 90% RELATIVE COMPACTION, AS REQUIRED BY THE ASTM TEST DESIGNATIONS D1557, D1556, AND D2992, EXCEPT THE PAVEMENT SUB-GRADE. THE UPPER 8" LAYER OF SUBGRADE SHALL BE COMPACTION TO 90% RELATIVE COMPACTION, THE EXACT DEPTH SHALL BE DETERMINED BY THE GEOTECHNICAL ENGINEER AND/OR AS SHOWN ON THESE PLANS. SUBEXCAVATION BELOW EXISTING GRADE SHALL BE REQUIRED WITHIN AREAS WHICH ARE TO SUPPORT BUILDINGS FOUNDATIONS, CONCRETE SLABS ON GRADE, PAVEMENTS OR STRUCTURAL FILL.

7. IN THE EVENT UTILITIES ARE FOUND OR NEEDED - BACKFILL FOR UNDERGROUND UTILITIES PLACED ON THE SITE SHALL CONSIST OF CLEAN, IMPORTED SAND MATERIAL (MINIMUM S=30) TO A MINIMUM OF 12 INCHES OVER THE CONDUIT, UNLESS SHOWN OTHERWISE ON THE PLAN. BACKFILL FOR UNDERGROUND UTILITIES PLACED IN EXISTING PUBLIC STREETS SHALL BE PER CITY STD. DRAWINGS U-3 AND U-4. A SAMPLE SHALL BE SUBMITTED FOUR (4) DAYS BEFORE INTENDED USE, FOR REVIEW BY THE ENGINEER. BACKFILL WITHIN THE UTILITY TRENCHES SHALL BE COMPACTION TO A MINIMUM RELATIVE COMPACTION OF 90% OR 95% DEPENDING UPON THE LOCATION AND BASED UPON THE ASTM TEST DESIGNATIONS D1557, D1556 AND D2992.

8. AT ALL TIMES DURING CONSTRUCTION AND UNTIL FINAL COMPLETION, THE CONTRACTOR, WHEN HE OR HIS SUBCONTRACTORS ARE OPERATING EQUIPMENT ON THE SITE, SHALL PREVENT THE FORMATION OF AN AIRBORNE DUST NUISANCE BY WATERING AND/OR TREATING THE SITE OF THE WORK IN SUCH A MANNER THAT WILL CONFINED DUST PARTICLES TO THE IMMEDIATE SURFACE OF THE WORK. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGE DONE BY THE DUST FROM HIS OR HER SUBCONTRACTOR'S ACTIVITIES IN PERFORMING THE WORK UNDER THIS CONTRACT. THE PRICES FOR THE VARIOUS ITEMS OF WORK SHALL COVER THIS DUST CONTROL.

STORM DRAIN

1. DRAINAGE PIPE SHALL BE AS SHOWN ON THE PLANS AND PER SD-1.

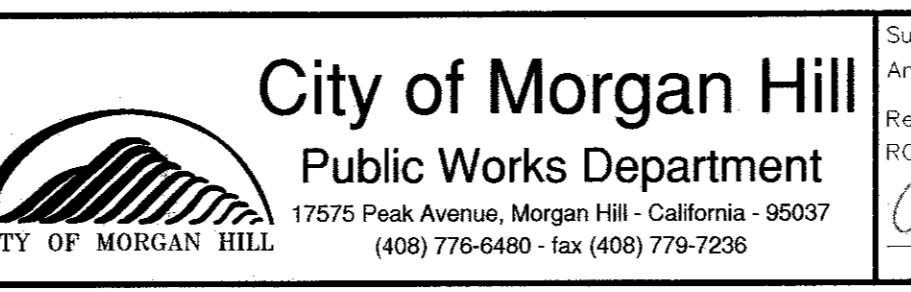
2. STORM DRAIN MANHOLES SHALL BE CONSTRUCTED TO THE CITY STANDARD SPECIFICATIONS AND STANDARD DETAIL - SD-1.

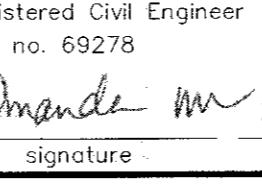
3. CATCH BASINS SHALL BE CONSTRUCTED TO THE CITY STANDARD SPECIFICATIONS AND STANDARD DETAILS - SD-5 & SD-6.

4. STORM DRAIN PIPE SHALL BE AS FOLLOWS:
REINFORCED CONCRETE PIPE (RCP) SHALL BE CLASS IV AND SHALL MEET CALTRANS STANDARD SPECIFICATIONS, SECTION 65-1.06 REQUIREMENTS FOR RUBBER GASKETED JOINTS.

				Work Accepted:	Inspector:	DRAWN	TM	DESIGN	AM	HOR
NO.	DESCRIPTION	DATE	BY	As-Built Corrections		CHECKED	DATE	VERT		

Revisions
By: _____ Date: _____
SCOTT C. CREEP - CITY ENGINEER
R.C.E. # 58879



Supervised by:
Amanda Joy Musy-Verdel
Registered Civil Engineer
RCE no. 69278

3/3/23
signature date

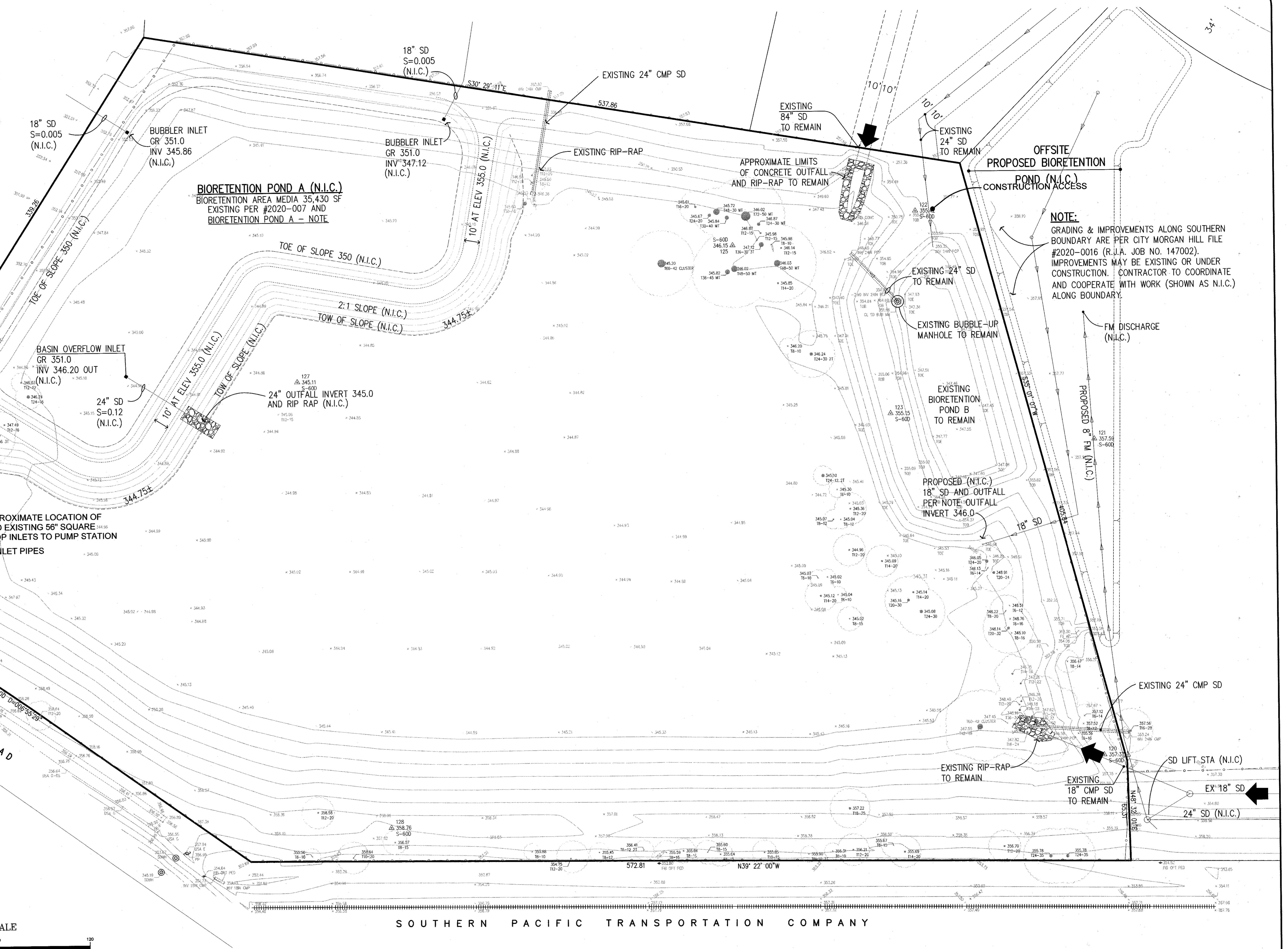

HANNA-BRUNETTI
EST. 1910
CIVIL ENGINEERS • LAND SURVEYORS
CONSTRUCTION MANAGERS
7651 EAGLEBERRY STREET • GILROY • 95020 • CALIFORNIA
OFFICE (408) 842-2773 • FAX (408) 842-3662
EMAIL: ENGINEERING@HANNA-BRUNETTI.COM

PROJECT NOTES
FISHER BASIN EXPANSION - apn 726-25-028

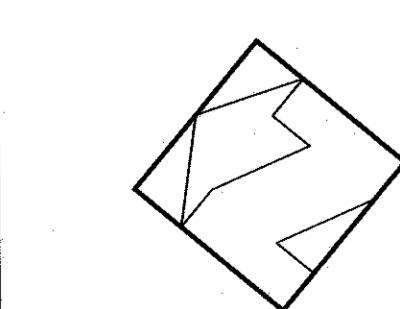
City File no.
PRINT DATE
SHEET NUMBER
2 OF 7

BIORETENTION POND A - NOTE:

GRADING AND IMPROVEMENTS ALONG NORTHERN AND EASTERN BOUNDARY ARE PER CITY MORGAN HILL FILE #2020-007 (R.J.A. JOB NO. 142002). THESE IMPROVEMENTS INCLUDING GRADING, STORM DRAINS, FENCING ALONG NORTH AND EASTERY BOUNDARY AND BIORETENTION POND A (BIORETENTION POND A IS WITHIN FISHER BASIN) MAY BE EXISTING OR UNDER CONSTRUCTION (SHOWN AS N.I.C.) CONTRACTOR TO CONFORM ALONG TOW SLOPE (ELEV 344.75±) FOR EXCAVATION OF FISHER BASIN PER THESE PLANS. CONTRACTOR TO COORDINATE AND COOPERATE WITH WORK/CONTRACTOR ALONG BOUNDARY AND OF BIORETENTION POND A CONSTRUCTION WITHIN FISHER BASIN.



SOUTHERN PACIFIC TRANSPORTATION COMPANY



GRAPHIC SCALE

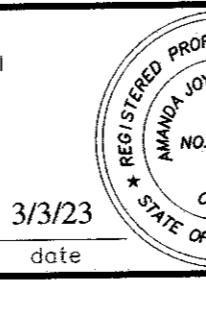
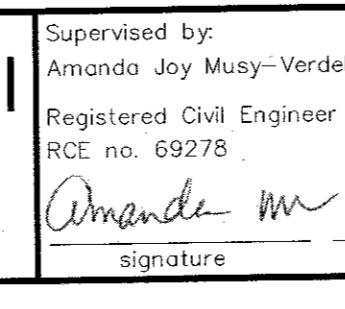
(IN FEET)
1 inch = 30 ft.

NO.	DESCRIPTION	DATE	BY	Work Accepted:	Inspector:	DRAWN	TM	DESIGN	AM	HOR
	As-Built Corrections			CHECKED		APPROVED		DATE		VERT

By:

Date:

R.C.E. # 58879



Existing Topographic Survey
Fisher Basin Expansion -apn 726-25-028

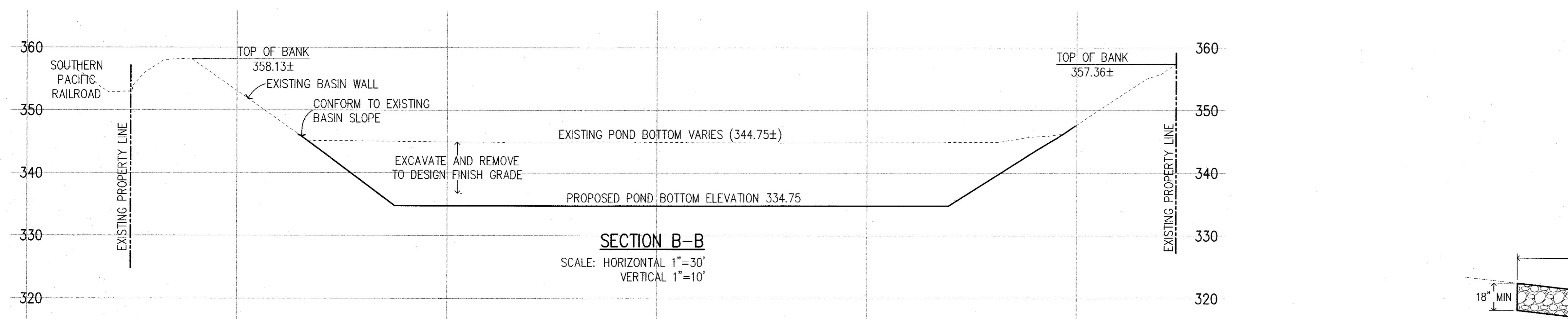
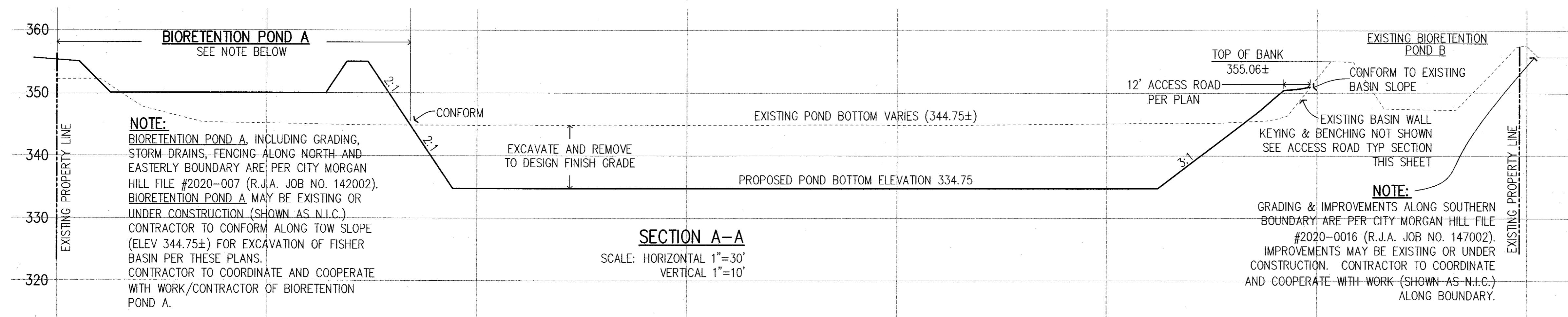
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PRINT DATE

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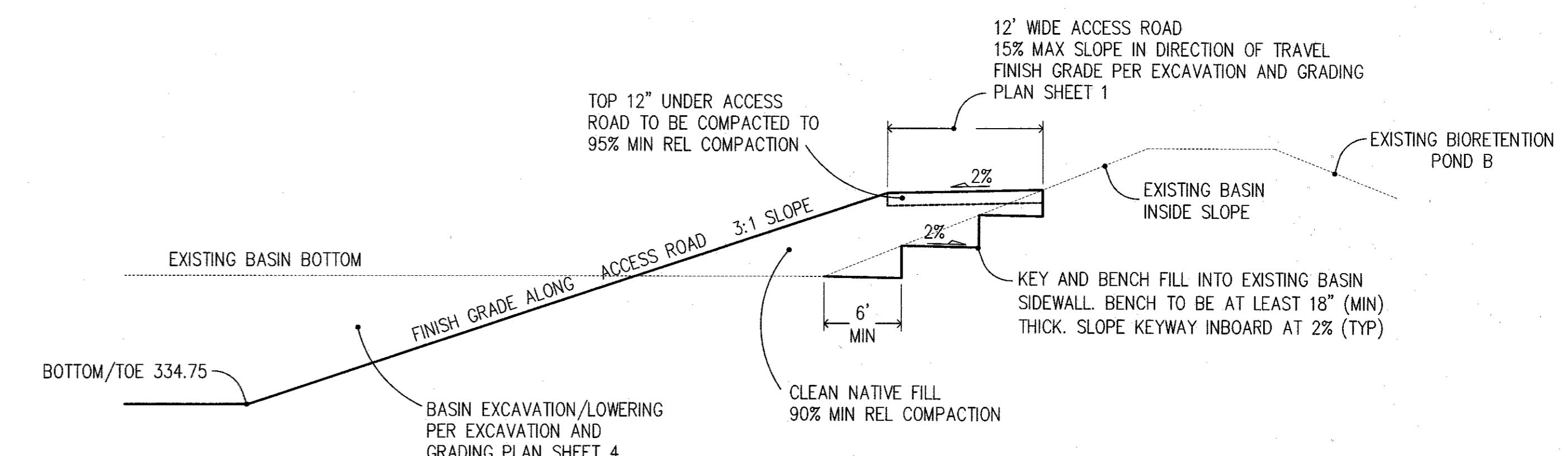
3 OF 7

HB JOB NO. 20048



ALL EARTHWORK TO BE PER CITY MORGAN HILL STANDARDS, SPECIFICATIONS AND CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS SECTION 19

TYPICAL ROCK RIP-RAP SECTION TR-TR
NOT TO SCALE



ALL EARTHWORK TO BE PER CITY MORGAN HILL STANDARDS, SPECIFICATIONS AND CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS SECTION 19

ACCESS ROAD TYPICAL SECTION
NOT TO SCALE

GEOTECHNICAL ENGINEER TO OBSERVE KEYING, BENCHING PLACEMENT DURING SITE GRADING

ACCESS ROAD TYPICAL SECTION
NOT TO SCALE

Supervised by:
Amanda Joy Musy-Verdel
Registered Civil Engineer
RCE no. 69278
Signature
3/3/23
Date

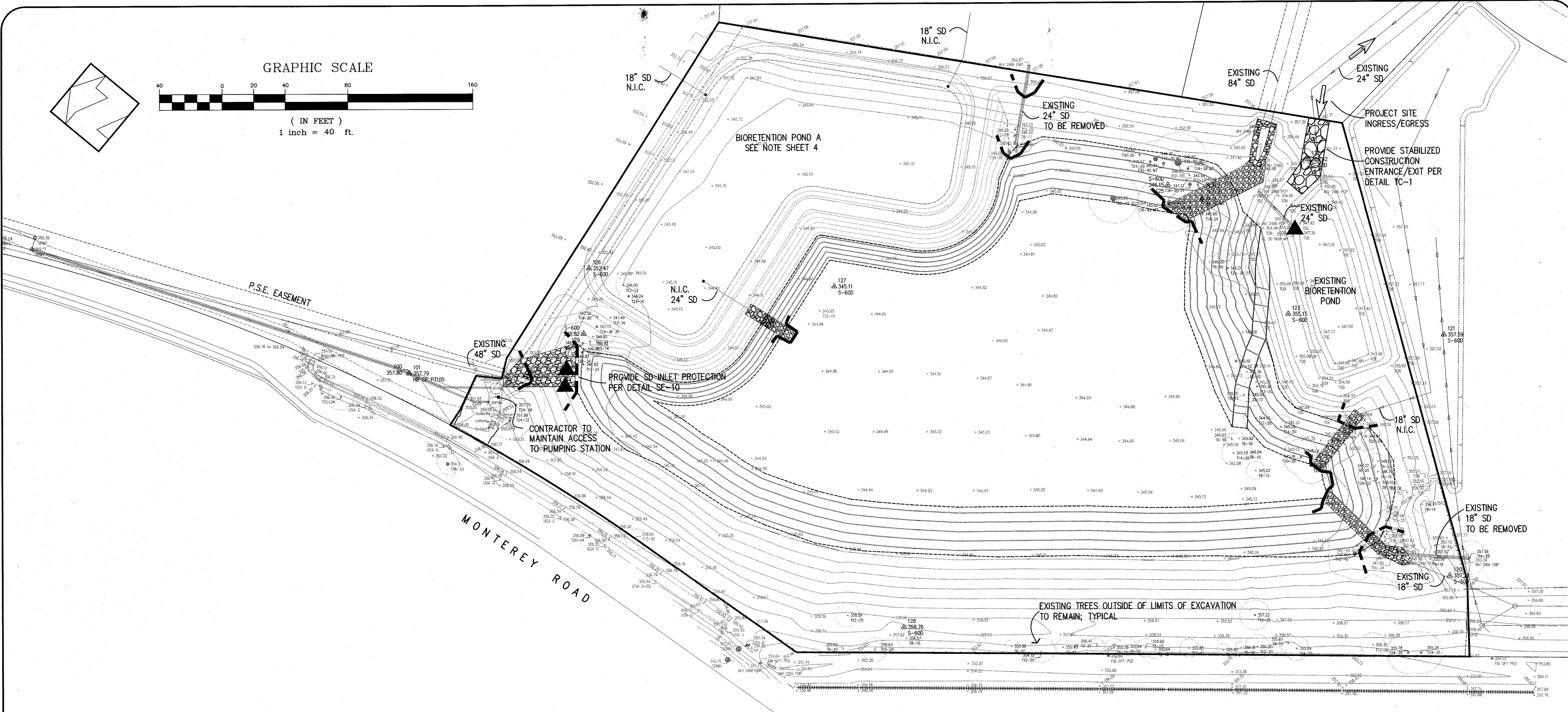
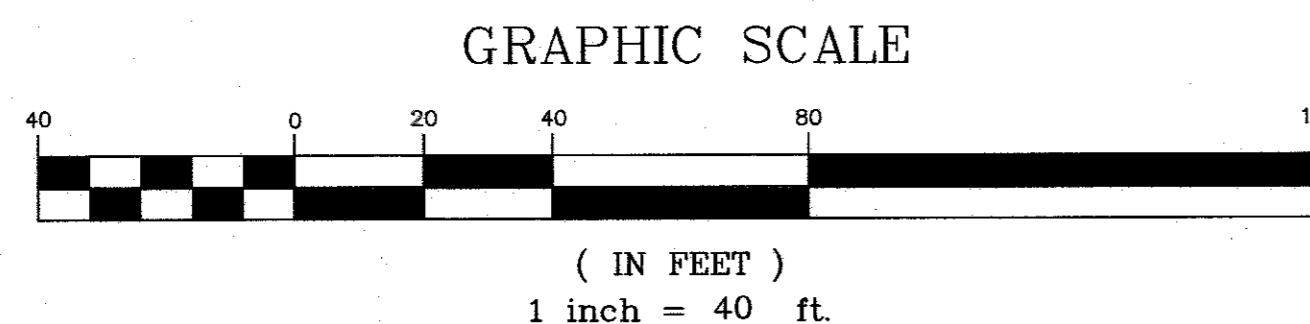
AMANDA JOY MUSY-VERDEL
CIVIL
STATE OF CALIFORNIA
REGISTRATION NO. 69278
3/3/23
Signature
Date

HANNA-BRUNETTI
EST. 1910
CIVIL ENGINEERS - LAND SURVEYORS
CONSTRUCTION MANAGERS
7651 EGBLEIGH STREET • GILROY • 95020 • CALIFORNIA
OFFICE (408) 842-2173 • FAX (408) 842-3662
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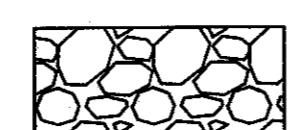
NO.	DESCRIPTION	DATE	BY	Work Accepted:	Inspector:	DRAWN AM	DESIGN TM	HOR VERT		
				As-Built Corrections				CHECKED DATE	AS BUILT	
								APPROVED Signature	DATE	JOB NUMBER
								SCOTT C. CREER - CITY ENGINEER R.C.E. # 58879	3/7/23	
								CITY OF MORGAN HILL Public Works Department 17575 Peak Avenue, Morgan Hill - California - 95037 (408) 776-6480 - fax (408) 779-7236		

Sections & Details
Fisher Basin Expansion - apn 726-25-028

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LEGEND



PROVIDE CONSTRUCTION ENTRANCE/EXIT PER DETAIL TC-1



FIBER ROLL BARRIER PER DETAIL SE-5
AROUND PERIMETER OF PROJECT AREA



STORM DRAIN INLET PROTECTION PER DETAIL SE-10



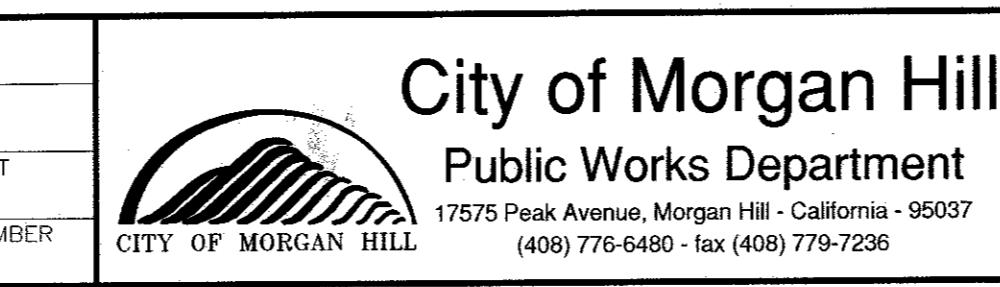
PROVIDE SLOPE SAND BAG INLET PROTECTION
PER DETAIL SE-10

		Work Accepted:	Inspector:	DRAWN	AM	DESIGN	TM	HOR
				CHECKED		DATE		VERT
		As-Built Corrections						
NO.	DESCRIPTION	DATE	BY	APPROVED	DATE	3/7/23	AS BUILT	JOB NUMBER

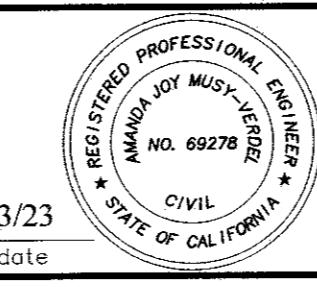
Revisions

By: _____ Date: _____

SCOTT C. CRER - CITY ENGINEER
P.C.E. # 58878



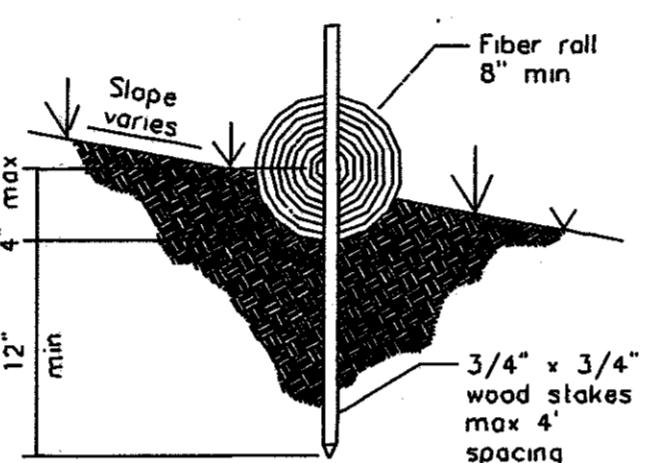
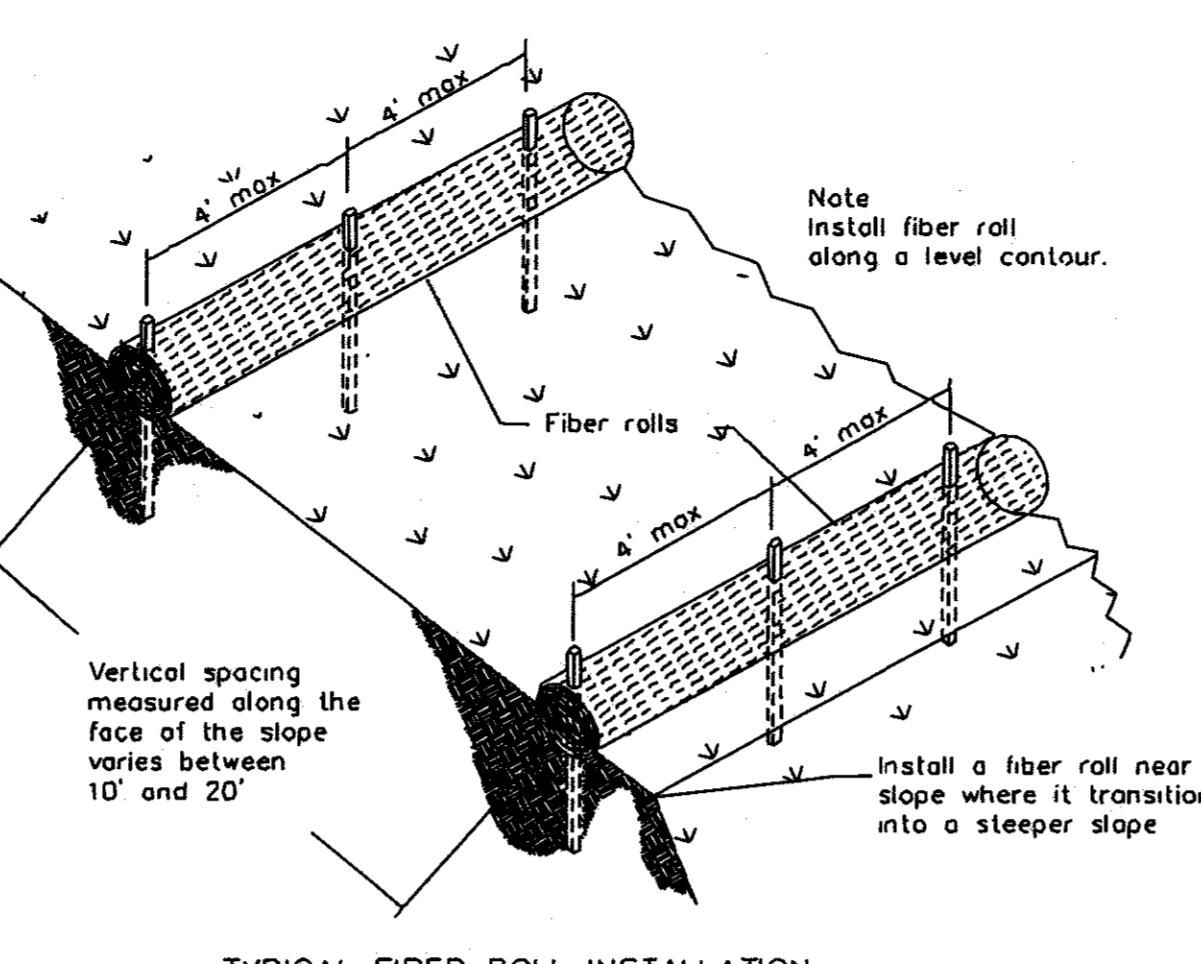
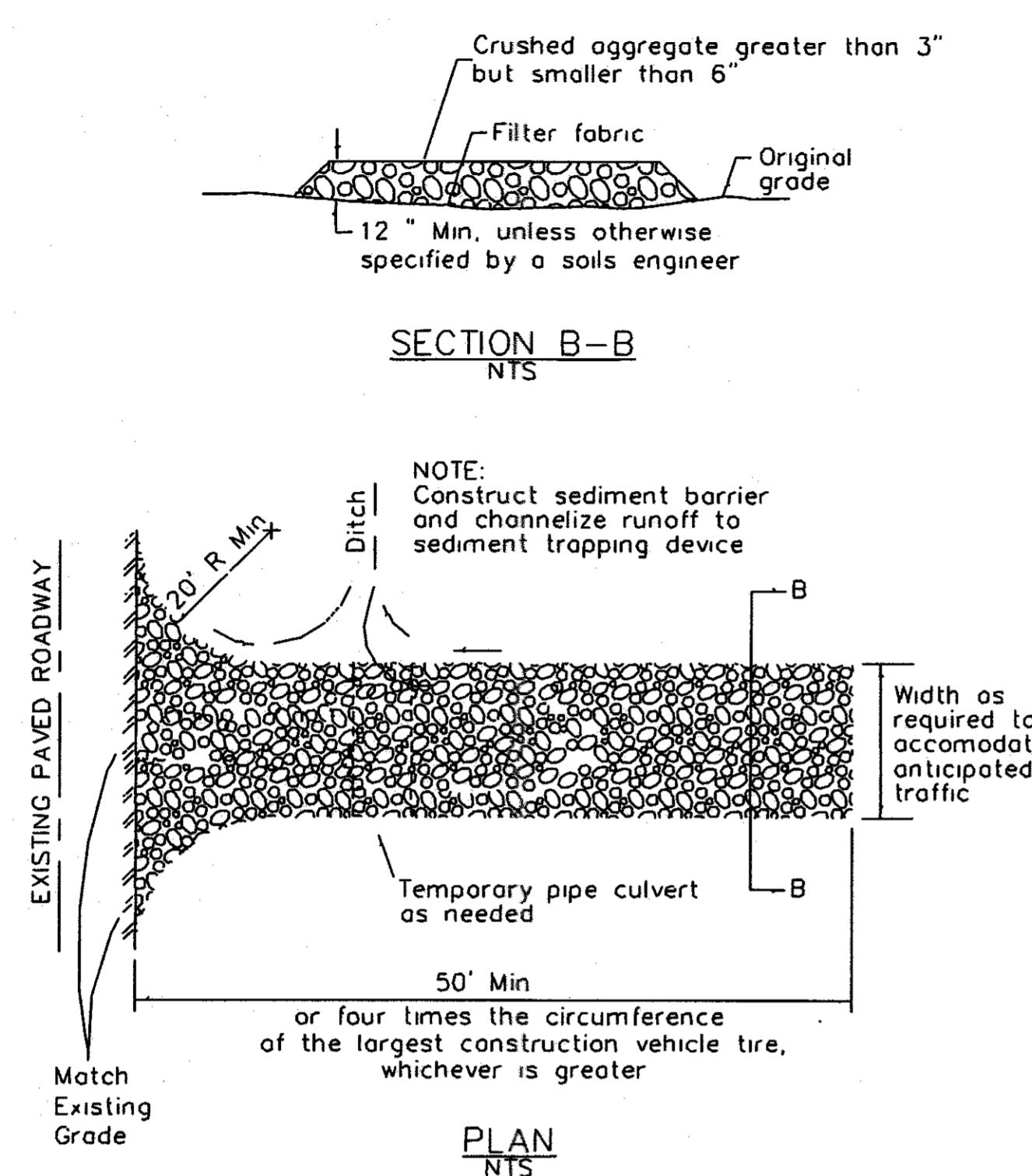
Supervised by:
Amanda Joy Musy-Verdel
Registered Civil Engineer
RCE no. 69278
Amanda Musy
3/3/23
signature
date



Erosion and Project Access Plan
Fisher Basin Expansion - apn 726-25-028

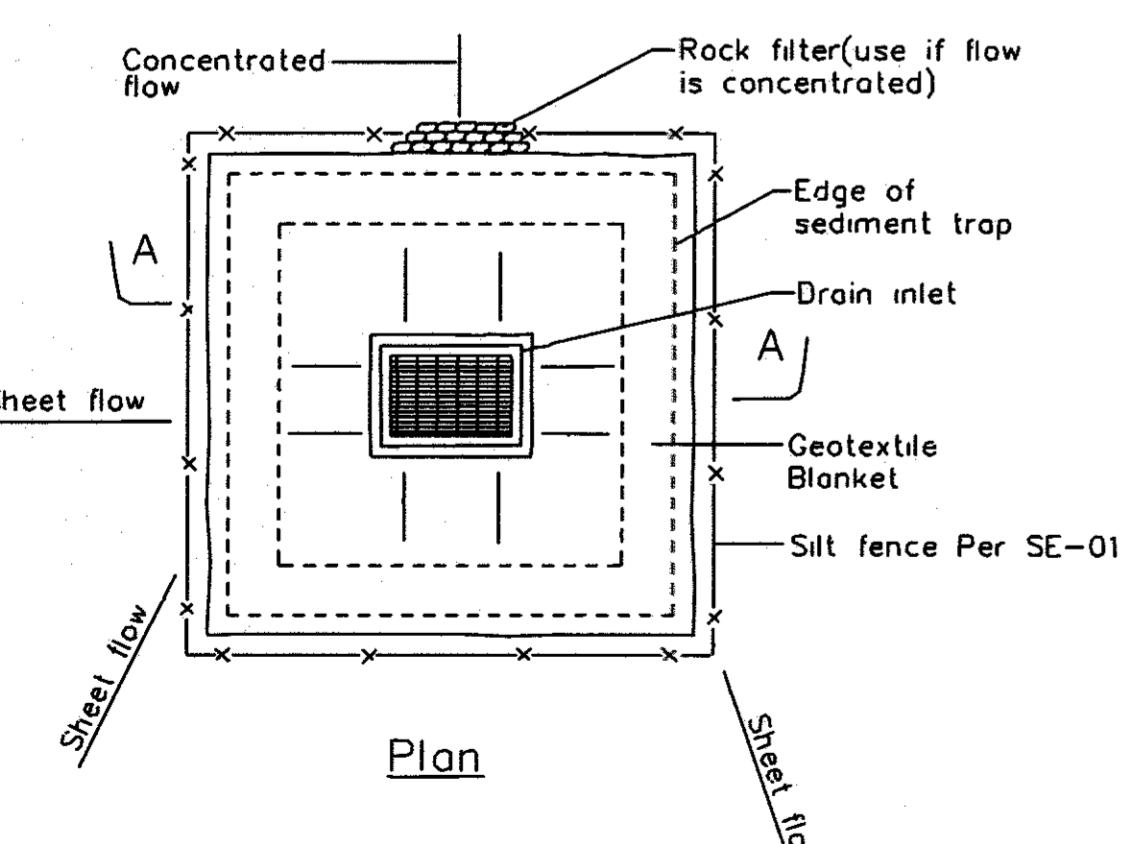
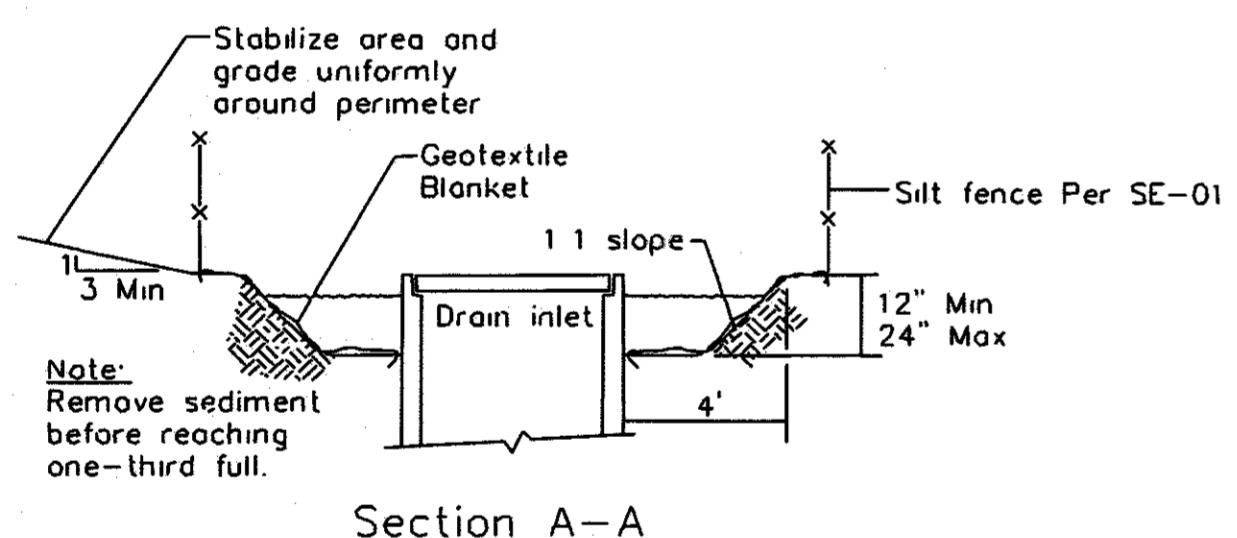
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HB JOB NO. 20048

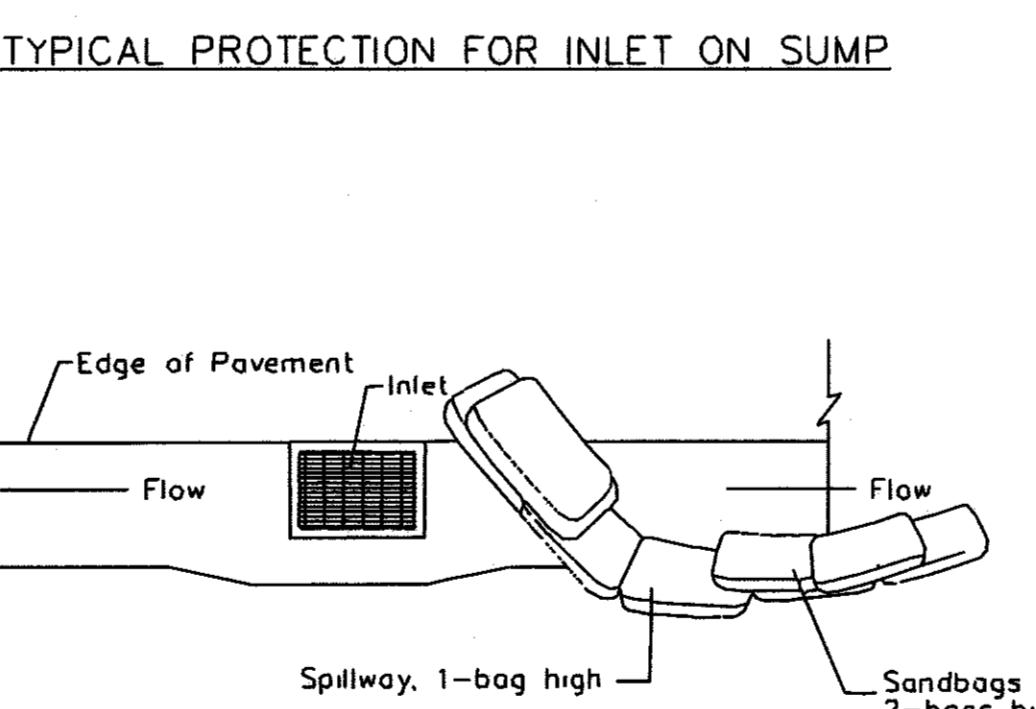
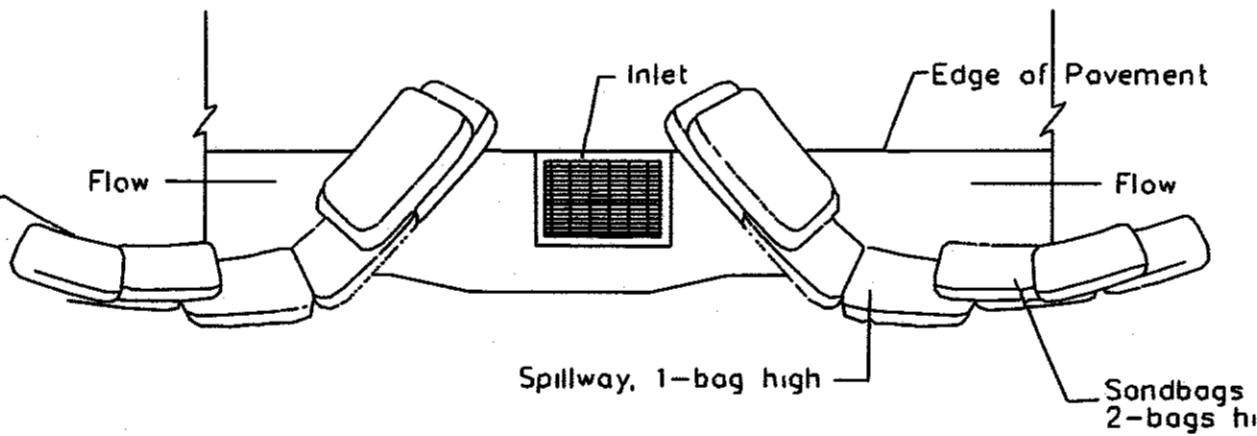


EROSION CONTROL NOTES

1. EROSION CONTROL MEASURES SHALL BE EFFECTIVE FOR CONSTRUCTION DURING THE RAINY SEASON; SEPTEMBER 15 THROUGH MAY 15.
2. NO STORM WATER RUNOFF SHALL BE ALLOWED TO DRAIN INTO THE EXISTING AND/OR PROPOSED UNDERGROUND STORM SYSTEM UNTIL SUITABLE EROSION CONTROL MEASURES ARE FULLY IMPLEMENTED. NO STORM WATER RUNOFF SHALL BE ALLOWED TO ENTER THE STORM DRAIN SYSTEM THAT IS NOT CLEAR, AND FREE OF SILTS.
3. A FIBER ROLL BARRIER PER "DETAIL SE-5" SHALL BE INSTALL ALONG THE PERIMETER OF THE PROJECT SITE. THE LOCATION OF THE FIBER ROLL ALONG THE PERIMETER SHALL BE ADJUSTED TO ELIMINATE SEDIMENT LABEN RUNOFF FROM LEAVING THE SITE. A FIBER ROLL SHALL ALSO BE REQUIRED AROUND THE PERIMETER OF ANY STOCKPILE OR OTHER SITE OF BARE, LOOSE EARTH.
4. ALL STORM DRAIN MANHOLES, CATCH BASINS, AND/OR DROP INLETS THAT ARE TO ACCEPT STORM WATER SHALL HAVE INLET PROTECTION MEASURES PER DETAIL SE-10. STORM WATER RUNOFF SHALL BE DIRECTED TO THESE INLETS ONLY. STORM DRAIN CATCH BASINS THAT ARE NOT COMPLETE, SHALL BE BLOCKED OFF COMPLETELY.
5. THE NAME, ADDRESS, AND 24 HOUR TELEPHONE NUMBER OF THE PERSON RESPONSIBLE FOR THE IMPLEMENTATION OF THE EROSION CONTROL PLAN SHALL BE PROVIDED TO THE CITY.
6. PRIOR TO GRADING, AN ENTRANCE SHALL BE CONSTRUCTED, CONSISTING OF A MINIMUM OF 50 LF OF DRAIN ROCK, 3" IN DIAMETER, PLACED OVER MIRAFI 500X (OR EQUAL) PEEL DETAIL TC-1. THE ENTRANCE SHALL CONFORM TO "CONSTRUCTION ENTRANCE DETAIL TC-1". THERE SHALL BE ONLY ONE ENTRANCE/EXIT POINT TO THE SITE DURING THE RAINY SEASON. THE LOCATION SHALL BE AS SHOWN ON THESE PLANS, OR AT A LOCATION APPROVED BY THE CITY.
7. ALL AREAS OF BARE, TURNED OR DISTURBED EARTH SHALL BE STABILIZED BY USE OF HYDROSEED PER THE TABLE BELOW. ALL STOCKPILES, AND/OR BORROW AREAS SHALL BE PROTECTED WITH APPROPRIATE EROSION CONTROL MEASURES SUCH AS A PERIMETER SILT FENCE, AND OTHER METHODS TO PREVENT ANY EROSION OR SILTS MIGRATION. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL DISTURBED AREAS ARE STABILIZED. CHANGES TO THE EROSION CONTROL PLAN SHALL BE MADE TO MEET FIELD CONDITIONS, BUT ONLY WITH THE APPROVAL OF, OR AT THE DIRECTION OF THE COUNTY INSPECTOR. THE STORM DRAIN SYSTEM SHALL MAINTAIN A FORM OF DRAIN INLET PROTECTION UNTIL COUNTY ACCEPTS THE FINAL STREET IMPROVEMENTS. THE DRAIN INLET PROTECTION SHALL BE MAINTAINED, EFFECTIVE AND SUBJECT TO COUNTY INSPECTOR'S APPROVAL.
8. ALL PAVED STREET, AND AREAS ADJACENT TO THE SITE SHALL BE KEPT CLEAR OF EARTH MATERIALS AND DEBRIS. THE SITE SHALL BE MAINTAINED SO AS TO ELIMINATE SEDIMENT LABEN RUNOFF FROM ENTERING THE STORM DRAIN SYSTEM.
9. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSPECT AND REPAIR ALL EROSION CONTROL FACILITIES AT THE END OF EACH DAY DURING THE RAINY SEASON. ANY DAMAGED STRUCTURAL MEASURES ARE TO BE REPAIRED BY END OF THE DAY. TRAPPED SEDIMENT IN "SD INLETS" (AND OTHER EROSION CONTROL MEASURES) SHALL BE REMOVED TO MAINTAIN TRAP EFFICIENCY. REMOVED SEDIMENT SHALL BE DISPOSED BY SPREADING ON SITE, WHERE IT WILL NOT MIGRATE.
10. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PREVENT THE FORMATION OF AIRBORNE DUST NUISANCE AND SHALL BE RESPONSIBLE FOR ANY DAMAGE RESULTING FROM A FAILURE TO DO SO.
11. ALL DRAIN SWALES SHALL BE PER DETAIL EC-9.
12. INCOMPLETE GRADING SHALL NOT BE ALLOWED. CONTRACTOR SHALL MAINTAIN A DRAIN PATH AS SHOWN ON THIS PLAN. SAID DRAIN PATH SHALL BE MAINTAINED LINED DRAIN SWALES, AND INLET PROTECTION AT A MINIMUM. IF PONDING DOES OCCUR ON THE SITE AFTER GRADING, THE WATER MUST BE FREE AND CLEAR OF SEDIMENT PRIOR TO DISCHARGE TO THE STORM DRAIN SYSTEM. THIS REQUIREMENT MAY NECESSITATE THE USE OF NATURAL AND/OR MECHANICAL DESILTING METHODS, SUBJECT TO APPROVAL BY THE COUNTY INSPECTOR.
13. IF THESE EROSION CONTROL MEASURE PROVE INADEQUATE, STRAW MULCH, TACKIFIER, AND ADDITIONAL HYDROSEEDING MAY BE REQUIRED.



Notes:
 1. For use in cleared and grubbed and in graded areas
 2. Shape basin so that longest inflow area faces longest length of trap.
 3. For concentrated flows, shape basin in 2:1 ratio with length oriented towards direction of flow.



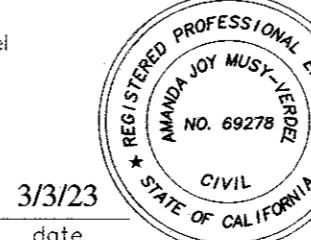
NOTES:
 1. Intended for short-term use
 2. Use to inhibit non-storm water flow
 3. Allow for proper maintenance and cleanup
 4. Bags must be removed after adjacent operation is completed
 5. Not applicable in areas with high silts and clays without filter fabric.

DI PROTECTION TYPE 3
NOT TO SCALE

			Work Accepted:	Inspector:	DRAWN AM CHECKED	DESIGN DATE	TM VERT	HOR
NO.	DESCRIPTION	DATE	BY		APPROVED S.C.	DATE 3/7/23	AS BUILT	
Revisions			As-Built Corrections		By: SCOTT C. GREER - CITY ENGINEER R.C.E. # 58879			JOB NUMBER

City of Morgan Hill
Public Works Department
1757 Peak Avenue, Morgan Hill - California - 95037
(408) 776-6480 - fax (408) 779-7236

Supervised by:
Amanda Joy Musy-Verdel
Registered Civil Engineer
RCE no. 69278
Signature
3/3/23



HANNA-BRUNETTI
EST. 1910
CIVIL ENGINEERS - LAND SURVEYORS
CONSTRUCTION MANAGERS
7651 EIGLEBERRY STREET • GILROY • 95020 • CALIFORNIA
OFFICE (408) 842-2173 • FAX (408) 842-3662
EMAIL: ENGINEERING@HANNA-BRUNETTI.COM

Erosion Control Notes & Details
Fisher Basin Expansion - apn 726-25-028

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