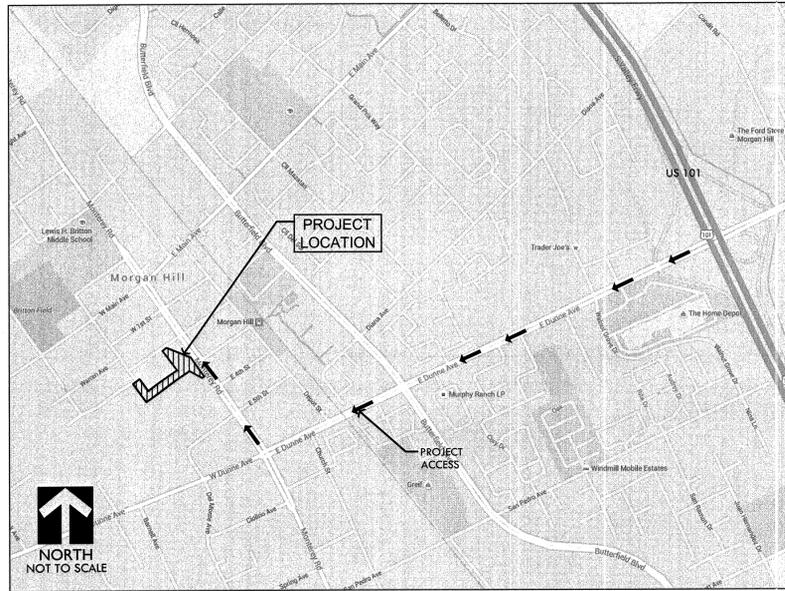


BID DRAWINGS FOR LITTLE LLAGAS CREEK PARK AND 3RD STREET & DEL MONTE AVENUE

DEL MONTE AVENUE AND WEST 3RD STREET, MORGAN HILL, CA 95037
VERDE DESIGN, INC. PROJECT NO. 1520400

VICINITY MAP AND CONSTRUCTION ROUTE



APPLICABLE CODES

- 2013 CBC CHAPTER 35: PROVIDE ALL THE APPLICABLE/ADOPTED STANDARDS. WHERE A PARTICULAR STANDARD IS REFERENCED IN THE CODE BUT DOES NOT APPEAR AS AN ADOPTED STANDARD IT MAY STILL BE USED. APPLY ONLY THE PORTION OF THE STANDARD THAT IS APPLICABLE TO THE CODE SECTION WHERE THE STANDARD IS REFERENCED, NOT THE ENTIRE STANDARD.

2013 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.
CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R.
(2012 INTERNATIONAL BUILDING CODE VOLUMES 1-3 AND 2010 CALIFORNIA AMENDMENTS)
CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.
(2011 NATIONAL ELECTRICAL CODE AND 2013 CALIFORNIA AMENDMENTS)
CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24 C.C.R.
(2012 UNIFORM MECHANICAL CODE AND 2010 CALIFORNIA AMENDMENTS)
CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.
(2012 UNIFORM PLUMBING CODE AND 2010 CALIFORNIA AMENDMENTS)
2013 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 C.C.R.
2013 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R.
(2012 INTERNATIONAL FIRE CODE AND 2012 CALIFORNIA AMENDMENTS)
CALIFORNIA EXISTING BUILDING CODE, PART 10, TITLE 24 C.C.R.
(2012 INTERNATIONAL EXISTING BUILDING CODE AND 2012 CALIFORNIA AMENDMENTS)
2013 CALIFORNIA "GREEN" BUILDING REQUIREMENTS OR CAL GREEN, PART 11, TITLE 24 C.C.R.
2013 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R.
2013 TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.

LIST OF FEDERAL CODES AND STANDARDS (IF APPLICABLE)
AMERICANS WITH DISABILITIES ACT (ADA), TITLE II OR TITLE III
FOR TITLE II: UNIFORM FEDERAL ACCESSIBILITY STANDARDS (UFAS) 28 CFR 35.151(i)
OR ADA STANDARDS FOR ACCESSIBLE DESIGN (APPENDIX A OF 28 CFR PART 36)
FOR TITLE III: ADA STANDARDS FOR ACCESSIBLE DESIGN (APPENDIX A OF 28 CFR PART 36) 28 CFR 36.406
2010 AMERICANS WITH DISABILITIES ACT (ADA) STANDARDS FOR ACCESSIBLE DESIGN

NOTE: TITLE II APPLIES TO PROJECTS FUNDED AND/OR USED BY STATE AND LOCAL GOVERNMENT SERVICES. TITLE III COVERS PUBLIC ACCOMMODATIONS AND COMMERCIAL FACILITIES. DEPENDING ON THE USE AND FUNDING, BOTH TITLE MAY APPLY TO THE PROJECT.

NFPA 13	AUTOMATIC SPRINKLER SYSTEMS	2013 EDITION
NFPA 14	STANDPIPE SYSTEMS	2013 EDITION
NFPA 17	DRY CHEMICAL EXTINGUISHING SYSTEMS	2013 EDITION
NFPA 17A	WET CHEMICAL SYSTEMS	2013 EDITION
NFPA 20	STATIONARY PUMPS	2013 EDITION
NFPA 24	PRIVATE MAINS	2013 EDITION
NFPA 72	NATIONAL FIRE ALARM CODE (CALIFORNIA AMENDED) (NOTE SEE UL STANDARD 1971 FOR "VISUAL DEVICES")	2013 EDITION
NFPA 253	CRITICAL RADIANT FLUX OF FLOOR COVERING SYSTEMS	2011 EDITION
NFPA 2001	CLEAN AGENT FIRE EXTINGUISHING SYSTEMS	2012 EDITION
ASME 17.1	ELEVATOR STANDARD	2013 EDITION

REFERENCE CODE SECTIONS FOR APPLICABLE STANDARDS - 2013 CALIFORNIA BUILDING CODE (FOR SFM) REFERENCED STANDARDS CHAPTER 35

ADA STANDARD FOR ACCESSIBLE DESIGN (APPENDIX A OF 28 CFR PART 36)

- THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CHANGE ORDER, OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY THE OWNER REPRESENTATIVE BEFORE PROCEEDING WITH THE WORK.
- ALL EXISTING FIRE EXTINGUISHING SYSTEMS ARE IN COMPLIANCE WITH UL 300, CBC 904.11, CFC 904.11.

PREPARED BY



VERDE DESIGN
LANDSCAPE ARCHITECTURE
CIVIL ENGINEERING
SPORT PLANNING & DESIGN
www.VerdeDesign.com

2455 The Alameda
Santa Clara, CA 95050
tel: 408.985.7200
fax: 408.985.7260

1024 Iron Point Rd.
Suite 100 #1241
Folsom, CA 95630
tel: 916.415.6567
fax: 408.985.7260



ALL IDEAS, DESIGNS, ARRANGEMENTS, AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND THE PROPERTY OF VERDE DESIGN, INC. AND WERE CREATED, EVOLVED, AND DEVELOPED FOR USE ON AND IN CONNECTION WITH THE SPECIFIED PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED, REPRODUCED, OR PUBLISHED BY ANY METHOD, IN WHOLE OR IN PART, OR DISCLOSED TO ANY PERSON, FIRM, OR CORPORATION FOR ANY PURPOSE WHATSOEVER WITHOUT WRITTEN PERMISSION OF VERDE DESIGN, INC.

SCOPE OF WORK

SITE IMPROVEMENTS INCLUDE: CLEAR, GRUB AND DEMOLITION OF EXISTING HARDSCAPE PAVING, FENCING AND SOFTSCAPE. CONTRACTOR TO COMPLETE; EARTHWORK, GRADING, SITE DRAINAGE, PARKING LOT, PLAY STRUCTURE AREAS, PAVING, SIDEWALK, FENCING, BRIDGES, SIGNAGE, SITE FURNISHINGS, IRRIGATION, PLANTING AND ELECTRICAL. CONTRACTOR SHALL COORDINATE ALL WORK WITH THE CITY'S REPRESENTATIVE.

GENERAL NOTES

- PRIOR TO BIDDING, THE GENERAL CONTRACTOR SHALL VISIT & INSPECT THE SITE & FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS AFFECTING THE NEW WORK. THE GENERAL CONTRACTOR SHALL NOT DISPUTE, COMPLAIN OR ASSERT THAT THERE IS ANY MISUNDERSTANDING IN REGARDS TO LOCATION, EXTENT, NATURE OR AMOUNT OF WORK TO BE PERFORMED UNDER THIS CONTRACT DUE TO THE CONTRACTOR'S FAILURE TO INSPECT THE SITE. CONTRACTOR SHALL NOTIFY THE OWNER OF ANY CONDITIONS, REQUIRING WORK, WHICH ARE NOT COVERED IN THE CONTRACT DOCUMENTS.
- NO CONSTRUCTION SHALL COMMENCE WITHOUT THE OFFICIAL NOTICE TO PROCEED FROM THE OWNER.
- THE GENERAL CONTRACTOR & SUBCONTRACTORS ARE RESPONSIBLE FOR LOCATING & VERIFYING ALL EXISTING UNDERGROUND UTILITIES IN ALL AREAS OF NEW WORK PRIOR TO COMMENCEMENT OF EXCAVATION. EXISTING UTILITIES SHOWN ON THE DRAWINGS ARE APPROXIMATE ROUTING LOCATIONS AS BEST DETERMINED FROM EXISTING DRAWINGS AND THE OWNER, BUT SHOULD NOT BE CONSTRUED TO REPRESENT ALL OF THE EXISTING UNDERGROUND UTILITIES. THE CONTRACTOR SHALL POTHOLE ALL EXISTING UTILITIES THAT MAY BE AFFECTED BY NEW FACILITIES IN THIS CONTRACT. VERIFY ACTUAL LOCATION AND DEPTH OF UTILITIES, AND REPORT POTENTIAL CONFLICTS TO THE OWNER PRIOR TO EXCAVATING FOR NEW FACILITIES.
- CONTRACTOR SHALL TAKE ALL NECESSARY STEPS TO PROTECT ALL EXISTING UTILITIES, WHETHER SHOWN OR NOT, IN THE CONTRACT DOCUMENTS. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES TO EXISTING UTILITIES CAUSED BY ITS OPERATIONS.
- THE CONTRACTOR SHALL PROTECT ALL EXISTING ITEMS WITHIN SITE IMPROVEMENTS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR ALL DAMAGED AREAS TO THEIR ORIGINAL CONDITION OR BETTER AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
- DIMENSIONS AND LOCATIONS OF EXISTING FACILITIES ARE APPROXIMATE AND SHALL BE FIELD VERIFIED BY CONTRACTOR. ANY DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER.
- ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE CALIFORNIA BUILDING CODE, CALIFORNIA PLUMBING CODE, CALIFORNIA FIRE CODE AND ALL APPLICABLE STATE AND LOCAL CODES AND ORDINANCES, AS WELL AS ADAPTED STANDARDS.
- ALL NOTES ARE FOR GENERAL REFERENCE IN CONJUNCTION WITH, AND AS A SUPPLEMENT TO, THE WRITTEN SPECIFICATIONS AND DETAILS ASSOCIATED WITH THE CONTRACT DOCUMENTS.
- THIS DRAWING SET SHALL BE USED IN CONJUNCTION WITH THE CSI FORMAT SPECIFICATIONS PUBLISHED IN BOOK FORM. COMBINED, THEY ARE HEREIN REFERRED TO AS THE "CONTRACT DOCUMENTS".
- DIMENSIONS ON WORKING DRAWINGS TAKE PRECEDENCE OVER MEASURED ELEMENTS. CONTRACTOR SHALL NOT SCALE DRAWINGS.
- ALL TYPICAL DETAILS SHALL APPLY UNLESS NOTED OTHERWISE.
- CONTRACTOR SHALL PROVIDE ADEQUATE DUST CONTROL AND KEEP MUD AND DEBRIS OFF THE PUBLIC RIGHT-OF-WAY AT ALL TIMES.
- ALL TRENCHES AND EXCAVATIONS SHALL BE CONSTRUCTED IN STRICT COMPLIANCE WITH THE APPLICABLE SECTIONS OF CALIFORNIA AND FEDERAL O.S.H.A. REQUIREMENTS AND OTHER APPLICABLE SAFETY ORDINANCES. CONTRACTOR SHALL BEAR FULL RESPONSIBILITY FOR TRENCH SHORING DESIGN AND INSTALLATION.
- ANY ALTERATIONS OF EXISTING FACILITIES TO ACCOMMODATE THE INSTALLATION OF NEW WORK SHALL BE REVIEWED BY THE OWNER PRIOR TO COMMENCING WORK.
- ANY DISRUPTION OF THE UTILITIES MUST BE COORDINATED AND APPROVED BY THE OWNER AND INSPECTOR OF RECORD PRIOR TO COMMENCING WORK.
- ALL TEMPORARY WORK SHALL BE CONSIDERED A PART OF THIS CONTRACT AND NO EXTRA CHARGES WILL BE ALLOWED. THIS SHALL INCLUDE MINOR ITEMS OF MATERIAL OR EQUIPMENT NECESSARY TO MEET THE REQUIREMENTS AND INTENT OF THE PROJECT.
- THE PLANS AND SPECIFICATIONS DO NOT UNDERTAKE TO SHOW OR LIST EVERY ITEM TO BE PROVIDED, BUT RATHER TO DEFINE THE REQUIREMENTS FOR A FULL AND WORKING SYSTEM FROM THE STANDPOINT OF THE END USER. FOR THIS REASON, WHEN AN ITEM NOT SHOWN OR LISTED IS CLEARLY NECESSARY FOR PROPER CONTROL/OPERATION OF EQUIPMENT WHICH IS SHOWN OR LISTED, THE CONTRACTOR SHALL PROVIDE AN ITEM WHICH WILL ALLOW THE SYSTEM TO FUNCTION PROPERLY AT NO INCREASE IN PRICE.
- ALL CONTRACTORS SHALL REMOVE TRASH AND DEBRIS STEMMING FROM THEIR WORK ON A DAILY BASIS. PROJECT SITE SHALL BE MAINTAINED IN A CLEAN AND ORDERLY CONDITION.
- THE DETAILS REFLECT THE DESIGN INTENT FOR TYPICAL CONDITIONS. THE CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS AND SHALL INCLUDE, IN HIS SCOPE, THE COST FOR COMPLETE FINISHED INSTALLATIONS, INCLUDING ANOMALIES, OF ALL TRADES.
- NO WORK SHALL COMMENCE WITH UNAPPROVED MATERIALS. ANY WORK DONE WITH UNAPPROVED MATERIALS AND EQUIPMENT IS AT THE CONTRACTOR'S RISK AND IS SUBJECT TO REJECTION, REMOVED AND REPLACEMENT. SEE SPECIFICATIONS FOR SUBMITTAL AND SUBSTITUTION REQUIREMENTS.
- CONSTRUCTION MATERIALS STORED ON THE SITE SHALL BE PROPERLY STACKED AND PROTECTED SO AS TO PREVENT DAMAGE OR DETERIORATION UNTIL USED. FAILURE IN THIS REGARD MAY BE CAUSE FOR REJECTION OF MATERIAL AND/OR WORK.
- ALL EQUIPMENT SHALL BE FABRICATED FROM FIELD VERIFIED DIMENSIONS AND APPROVED SHOP DRAWINGS. COORDINATE MECHANICAL, PLUMBING AND ELECTRICAL EQUIPMENT.
- CONTRACTOR SHALL PERFORM THEIR CONSTRUCTION AND OPERATIONS IN A MANNER WHICH WILL NOT ALLOW HARMFUL POLLUTANTS TO ENTER THE STORM DRAIN SYSTEM. TO ENSURE COMPLIANCE, THE CONTRACTOR SHALL IMPLEMENT THE APPROPRIATE BEST MANAGEMENT PRACTICE (BMP) AS OUTLINED IN THE BROCHURES ENTITLED "BEST MANAGEMENT PRACTICE FOR THE CONSTRUCTION INDUSTRY" ISSUED BY THE CALIFORNIA STORM WATER QUALITY ASSOCIATION, NONPOINT SOURCE POLLUTION CONTROL PROGRAM, TO SUIT THE CONSTRUCTION SITE AND JOB CONDITION. THE CONTRACTOR SHALL PRESENT HIS PROPOSED BMP AT THE PRECONSTRUCTION MEETING FOR DISCUSSION AND APPROVAL.
- CONTRACTOR SHALL PROVIDE TEMPORARY CONSTRUCTION FENCING PER CONTRACT DOCUMENTS TO SERVE LIMIT OF WORK AREAS. FENCING MAY BE ADJUSTED DURING CONSTRUCTION BASED ON CONSTRUCTION SEQUENCE OR THE OWNER'S DIRECTION.
- OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT IN THE STREET RIGHT-OF-WAY SHALL NOT BE PERMITTED.

CONTACT INFORMATION

ORGANIZATION

OWNER	NAME	PHONE
CITY OF MORGAN HILL	CHRIS GHIONE	(408) 782-9154
CITY PROJECT MANAGER	YAT CHUEN CHO	(408) 310-4641

CONTACT INFORMATION

LANDSCAPE ARCHITECT / CIVIL ENGINEER	VERDE DESIGN INC.	CORBIN M.E. SCHNEIDER JIA LI	(408) 850-3416 (408) 850-3464
ELECTRICAL ENGINEER	AMERICAN CONSULTING ENGINEERS ELECTRICAL, INC.	SAMMY FERNANDEZ	(408) 236-2312
STRUCTURAL ENGINEER	MESITI-MILLER ENGINEERING, INC	DALE HENSBEE	(831) 426-3186
GEOTECHNICAL ENGINEERS	LAI & ASSOCIATES	PAUL SLAILL	(925) 639-3836

SHEET INDEX

SHEET NO.	SHEET DESCRIPTION
LANDSCAPE C0.0	COVER SHEET
L1.1	EXISTING CONDITIONS SURVEY PLAN
L2.1	EROSION AND SEDIMENT CONTROL PLAN
L3.1	DEMOLITION PLAN
L4.1	GRADING PLAN
L4.2	GRADING PLAN
L5.1	DRAINAGE PLAN
L6.1	LAYOUT PLAN
L6.2	LAYOUT PLAN
L7.1	MATERIAL AND DETAIL REFERENCE PLAN
L8.1	IRRIGATION PLAN
L9.1	PLANTING PLAN
D1.1	DRAINAGE DETAILS
D2.1	CONSTRUCTION DETAILS
D2.2	CONSTRUCTION AND SITE FURNISHING DETAILS
D2.3	SITE FURNISHING AND FENCING DETAILS
D3.1	IRRIGATION & PLANTING DETAILS
D3.2	IRRIGATION & PLANTING DETAILS
D3.3	IRRIGATION & PLANTING DETAILS
ELECTRICAL	
EO.1	GENERAL NOTES, SYMBOL LIST, ABBREVIATIONS & FIXTURE SCHEDULE
EO.2	TITLE 24 EXTERIOR LIGHTING - PART 1
EO.3	TITLE 24 EXTERIOR LIGHTING - PART 2
E1.1	ELECTRICAL LIGHTING SITE PLAN
E1.2	ELECTRICAL LIGHTING SITE PLAN
E1.3	WIRELESS ACCESS POINT & SECURITY CAMERA SITE PLAN
E1.4	WIRELESS ACCESS POINT & SECURITY CAMERA SITE PLAN
E2.1	SINGLE LINE DIAGRAM
E2.2	DATA & SECURITY CAMERA RISER DIAGRAM
E4.1	ELECTRICAL DETAILS
STRUCTURAL	
S1.0	PIER FOUNDATION DETAILS
S2.0	PEDESTRIAN BRIDGE GENERAL PLAN
S2.1	PEDESTRIAN BRIDGE ABUTMENT DETAILS
S2.2	PEDESTRIAN BRIDGE ABUTMENT DETAILS
S3.0	VEHICLE BRIDGE GENERAL PLAN
S3.1	VEHICLE BRIDGE ABUTMENT DETAILS
S3.2	VEHICLE BRIDGE ABUTMENT DETAILS

COVER SHEET
LITTLE LLAGAS CREEK PARK AND
3RD ST. & DEL MONTE AVE.

LANDSCAPE ARCHITECTURE
CIVIL ENGINEERING
SPORT PLANNING & DESIGN
VERDE DESIGN, INC.
2455 THE ALAMEDA
SANTA CLARA, CA 95050
TEL: 408.985.7200
FAX: 408.985.7260
WWW.VERDEDESIGN.COM



DESIGN	DATE	DATE	DATE
DESIGN	12/15/16		
CHECKED			
APPROVED			

City of Morgan Hill
Public Works Department
CITY OF MORGAN HILL
17575 Peak Avenue Morgan Hill, CA 95037 (408) 779-4480, Fax (408) 779-7286

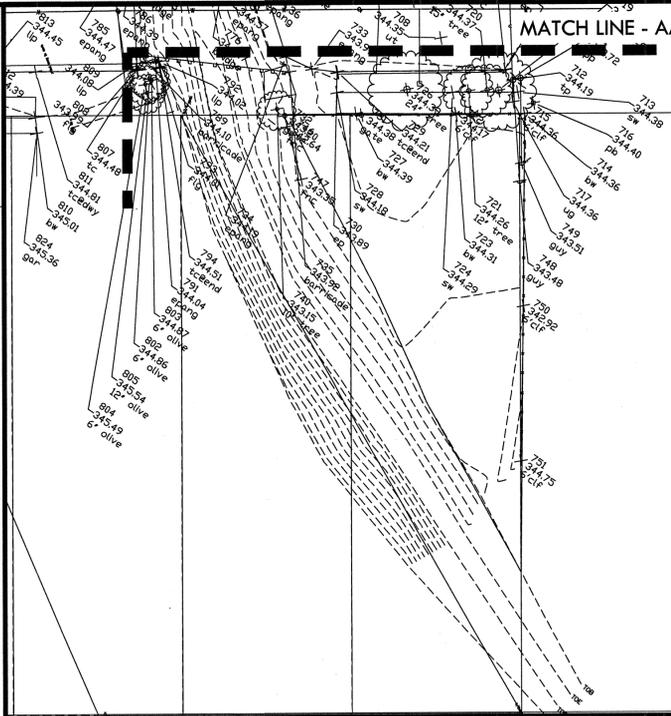
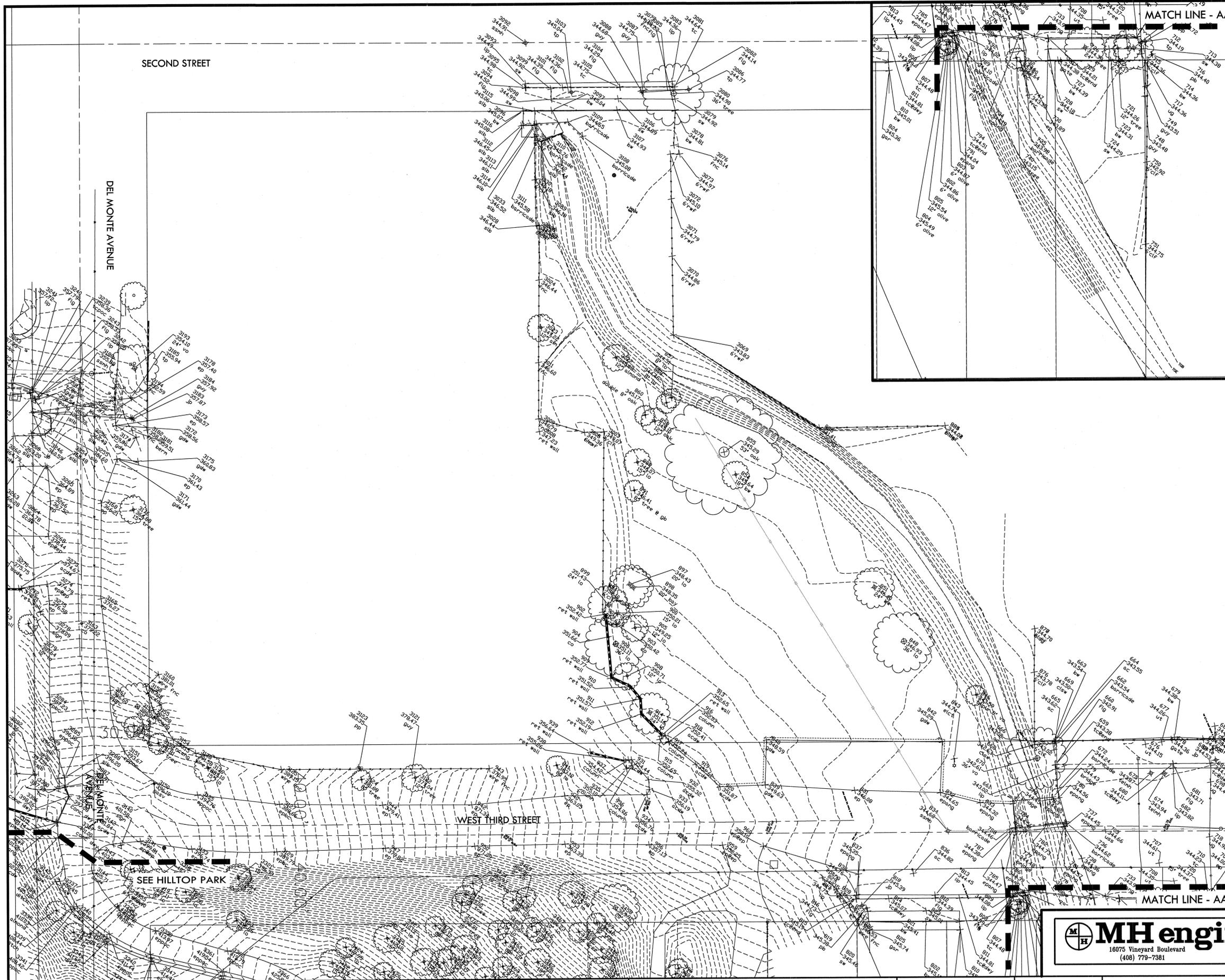
NO.	DESCRIPTION	DATE	BY
	Revisions		

FILE NUMBER:
1520400
PRINT DATE:
12/07/16
SHEET NUMBER:
C0.0

PATH

SHEET_TITLE_S

PROJECT_TITLE_S



ABBREVIATIONS			
DESCRIPTION		IP	DESCRIPTION
AB	AGGREGATE BASE (CLASS AS NOTED)	MON	JOINT POLE
AC	ASPHALT CONCRETE	NG	NATURAL GROUND ELEVATION
AR	AIR RELIEF	OH	OVERHEAD UTILITY LINE
BC	BEGIN OF CURVE	P	PROPERTY LINE
BLDG	BUILDING	PB	PULL BOX
BW	BACK OF WALK	PGEV	POSSIBLE VAULT
BO	BLOW OFF	PP	POWER POLE
BWAL	BLACK WALNUT TREE	PSE	PUBLIC SERVICE EASEMENT
BWF	BARS WIRE FENCE	PVC	POLYVINYL CHLORIDE PIPE
C	CURB INLET	ROW	RIGHT OF WAY
CLF	CHAIN LINK FENCE	RCP	REINFORCED CONCRETE PIPE
CLSW	CENTERLINE SMALE	RWD	RED WOOD TREE
CMP	DROP INLET	RM	ELEVATION REFERENCE MARK
CO	CLEANOUT	SAS	STORM DRAIN MANHOLE
CP	CONTROL POINT	SD	SANITARY SEWER LINE
DI	DAYLIGHT	SDH	STORM DRAIN MANHOLE
DUTE	DRIVEWAY	SS	SANITARY SEWER LINE
DWY	DIRT DRIVEWAY	SSMH	SANITARY SEWER MANHOLE
EL	ELEVATION	SP	SERVICE POLE
EL ELEV.	ELEVATION	SP	SERVICE POLE
ELCT	ELECTRICIAN	SW	SIDEWALK
ELCT	ELECTRICIAN	TC	TOP OF CURB
EP	EDGE OF PAVEMENT ELEVATION	TOB	TOP OF BANK
ENAL	ENGLISH WALNUT TREE	TOE	TOE OF SLOPE
EUC	EUCALYPTUS TREE	TP	TELEPHONE POLE
EH	FIRE HYDRANT	UD	UNDERGROUND UTILITY
F	FENCE	UG	UNDERGROUND GAS
FNC	FENCE	USS	UNDERGROUND SANITARY SEWER
FOG	FOG LINE	USD	UNDERGROUND STORM DRAIN
GE	GRADE BREAK	UT	UNDERGROUND TELEPHONE
HRAIL	HAND RAIL	UW	UNDERGROUND WATER
HCR	HANDICAP RAMP	WL	WHITE LINE STRIPE
HCS	HANDICAP STRIPE	WO	WHITE OAK TREE
IP	IRON PIPE	WM	WATER METER
LIP	LIP OF GUTTER	WV	WATER VALVE
LO	LIVE OAK TREE	YL	YELLOW LINE STRIPE

SCVWD BM002
 ELEVATION = 342.80 (NAVD 88)
 BRASS DISC ON TOP OF
 CONCRETE CURB, N/W
 CORNER OF INTERSECTION
 MONTEREY ROAD AND
 WEST DUNNE AVE.

CITY OF MORGAN HILL
 SITE MAPPING OF DEPOT STREET - APN 728-13-047
 FIELD WORK WAS COMPLETED ON FEB 22, 2016 BY MH ENGINEERING CO. 408-779-7381
 SITE MAPPING OF HILLTOP - APN 767-08-006, 767-07-042 & 065
 FIELD WORK WAS COMPLETED ON MARCH 3, 2016 BY MH ENGINEERING CO. 408-779-7381
 MEASUREMENTS SHOWN IN FEET AND DECIMALS THEREOF (XXXXXX)
 COORDINATES ARE BASED ON A LOCAL COORDINATE SYSTEM
 ELEVATIONS ARE BASED ON NAVD 88 (SCVWD BM002)
 USERS OF THIS MAP ARE ADVISED TO CONTACT THE PREPARER TO BE SURE THERE ARE NO
 PERTINENT REVISIONS TO THE COPY OBTAINED. PLEASE NOTE THAT CERTIFIED ORIGINALS AND/OR
 PRINTS ARE "NET SCORED". ANY ORIGINALS AND/OR PRINTS NOT "NET SCORED" ARE NOT CERTIFIED.
 THIS MAP WAS PREPARED UNDER MY DIRECTION TO THE NORMAL STANDARDS OF CARE OF
 PROFESSIONAL LAND SURVEYORS IN THE STATE OF CALIFORNIA.
 WILLIAM J. MCCLINTOCK, RCE 24893



MH engineering Co.
 16075 Vineyard Boulevard Morgan Hill, CA 95037
 (408) 779-7381 (408) 226-5712 FAX

REGISTERED PROFESSIONAL ENGINEER
 WILLIAM J. MCCLINTOCK
 No. 74893
 EXP. 12-31-17
 CIVIL
 STATE OF CALIFORNIA

NO.	DESCRIPTION	DATE	BY	BY:	DATE:

Revisions

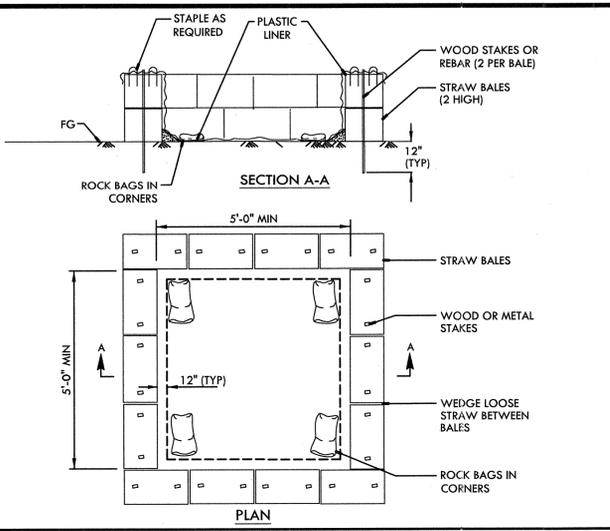
City of Morgan Hill
 Public Works Department
 17575 Peak Ave. Morgan Hill, CA 95037 (408)778-6480, Fax (408)779-7236

LANDSCAPE ARCHITECTURE
 CIVIL ENGINEERING
 SPORTS PLANNING & DESIGN
 VERDE DESIGN
 3455 The Alameda, Ste. 200
 San Jose, CA 95126
 tel: 408.885.7200
 fax: 408.885.7200
 www.verdedesign.com

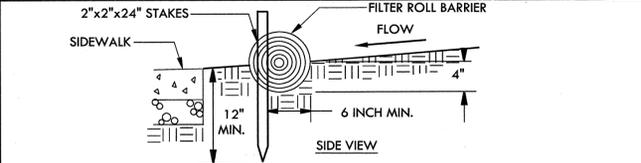
DEL MONTE AVE AND
 WEST 3RD STREET,
 MORGAN HILL,
 CA 95037

EXISTING CONDITIONS SURVEY PLAN
 LITTLE LLAGAS CREEK PARK

FILE NUMBER: 1520400
 PRINT DATE: 12/07/16
 SHEET NUMBER: L11
 B10 DRAWINGS

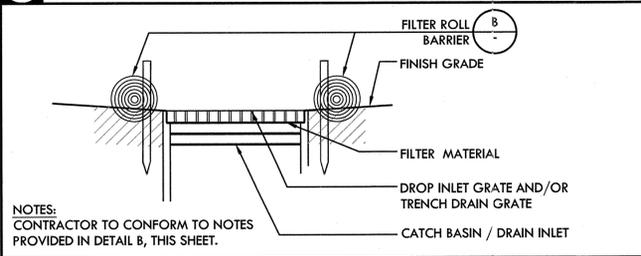


A TEMPORARY CONCRETE WASHOUT FACILITY NTS

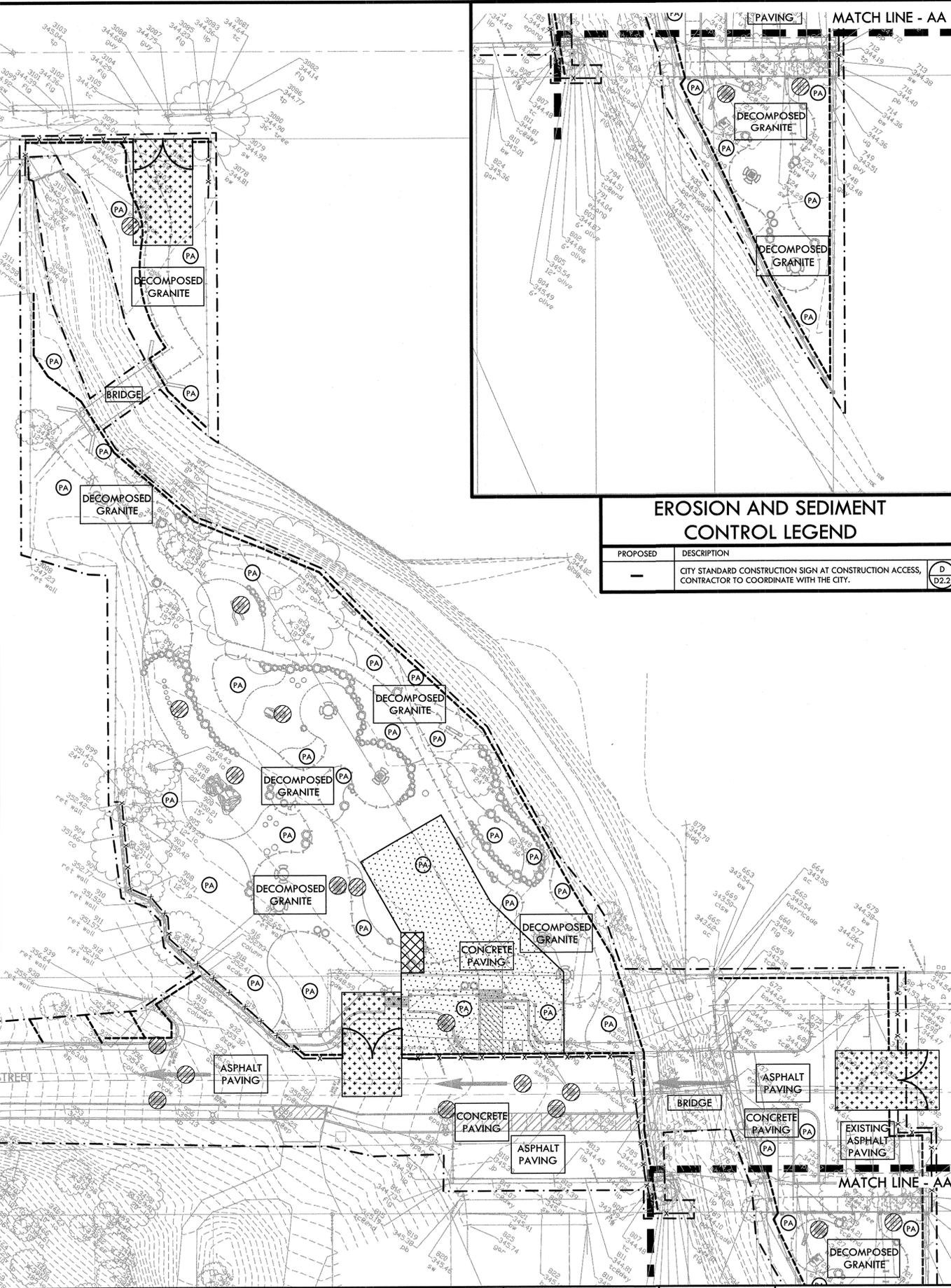


- NOTES:**
1. FILTER BARRIER SHALL BE CONSTRUCTED LONG ENOUGH TO EXTEND ACROSS THE EXPECTED FLOW PATH AND AS APPROVED BY THE ADMINISTRATOR.
 2. FILTER ROLL (8" DIAMETER) SHALL BE PLACED INTO THE KEY TRENCH AND STAKES ON BOTH SIDES OF THE ROLL WITHIN 6" OF EACH END AND THEN EVERY 3' TO 4' WITH 2"x24" STAKES. STAKES ARE TYPICALLY DRIVEN IN ON ALTERNATING SIDES OF THE ROLL. ADJACENT ROLLS SHALL TIGHTLY ABUT.
 3. CLEAR SUBGRADE SO THAT REMOVAL OF ALL LOCAL DEVIATIONS AND TO REMOVE LARGE STONES OR DEBRIS THAT WILL INHIBIT INTIMATE CONTACT OF THE FIBER ROLL WITH THE SUB GRADE.
 4. PRIOR TO ROLL INSTALLATION, CONTOUR A CONCAVE TRENCH (2") DEEP ALONG THE PROPOSED INSTALLATION ROUTE. FIBER ROLL SHALL BE INSTALLED ALONG THE SIDE OF WALKS AND AROUND THE CATCH BASINS. THE BOTTOM EDGE OF THE FIBER ROLL SHALL EXTEND TO AND ACROSS THE BOTTOM OF THE TRENCH. THE TRENCH SHALL BE BACKFILLED TO 4" ABOVE GROUND AND COMPACTED TO BURY AND SECURE THE BOTTOM OF THE FIBER ROLL.
 5. CONTRACTOR SHALL MAKE INSPECTIONS WEEKLY DURING THE WET SEASON (NOVEMBER 15 - APRIL 15), MONTHLY DURING THE DRY SEASON AND IMMEDIATELY AFTER EACH RAINFALL TO DETERMINE IF REPAIRS AND SEDIMENT REMOVAL IS REQUIRED. SEDIMENT SHALL BE REMOVED BEFORE IT HAS REACHED ONE THIRD THE HEIGHT OF THE FILTER FABRIC.

B FILTER ROLL BARRIER NTS



C STORM DRAIN INLET FILTER FOR EXISTING AND PROPOSED STORM DRAINS NTS



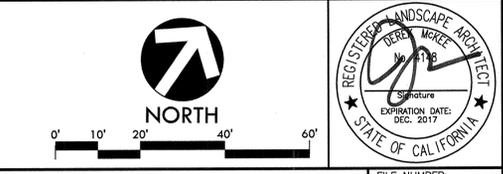
EROSION AND SEDIMENT CONTROL LEGEND

PROPOSED	DESCRIPTION
(Symbol)	CITY STANDARD CONSTRUCTION SIGN AT CONSTRUCTION ACCESS, CONTRACTOR TO COORDINATE WITH THE CITY.

- EROSION AND SEDIMENT CONTROL NOTES**
1. THIS WATER POLLUTION CONTROL PLAN MAY NOT COVER ALL THE SITUATIONS THAT ARISE DURING CONSTRUCTION DUE TO UNANTICIPATED FIELD CONDITIONS. THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES (BMPs) LISTED IN THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP), AND SHALL IMPLEMENT AND MAINTAIN THE SWPPP FOR THE PROJECT IN FULL COMPLIANCE WITH THE REVISED STATE REGULATIONS TO CONTROL THE DISCHARGE OF STORMWATER POLLUTANTS.
 2. EROSION AND SEDIMENT CONTROL PLAN SHALL BE CONSTRUCTED DURING FIRST WEEK OF CONSTRUCTION.
 3. EROSION AND SEDIMENT CONTROL SHALL REMAIN THROUGHOUT CONSTRUCTION AND REMAIN AND DISPOSED DURING MAINTENANCE PERIOD.
 4. EROSION AND SEDIMENT CONTROL MAY BE ADJUSTED THROUGH CONSTRUCTION WITH APPROVAL OR AS DIRECTED BY OWNER'S REPRESENTATIVE.
 5. CONTRACTOR TO IMPLEMENT BMPs TO KEEP A CLEAN SITE AND PREVENT RUNOFF POLLUTION.
 6. GATHER AND STORE ALL CONSTRUCTION DEBRIS DAILY IN APPROPRIATE CONTAINERS WHICH ARE EMPTIED OR REMOVED ON AN AT-LEAST WEEKLY BASIS. WHEN APPROPRIATE, USE TARPS ON THE GROUND TO COLLECT FALLEN DEBRIS OR SPLATTERS THAT COULD CONTRIBUTE TO STORMWATER POLLUTION.
 7. USE A BROOM OR OTHER DRY CLEANUP METHOD TO REMOVE ALL DIRT/MUD, GRAVEL, DEBRIS, REFUSE AND GREEN WASTE FROM ALL PAVED SURFACES AND THE PUBLIC SIDEWALK AND STREET PAVEMENT DAILY AND PRIOR TO RAIN.
 8. CLEAN UP LEAKS, DRIPS AND SPILLS IMMEDIATELY.
 9. COVER ALL TEMPORARY STOCKPILES SECURELY WITH A TARP, PLASTIC SHEETING OR SIMILAR MATERIAL TO PREVENT WINDBLOWN DISPERSAL OR RUNOFF OF ANY MATERIAL.
 10. USE/CREATE A CONTAINED AND COVERED AREA ON THE SITE FOR THE STORAGE OF CEMENT BAGS, PAINTS, FLAMMABLES, OILS, FERTILIZERS, PESTICIDES, OR ANY OTHER MATERIALS USED ON THE PROJECT SITE THAT HAVE THE POTENTIAL FOR BEING DISCHARGED TO THE STORM DRAIN SYSTEM BY WIND, EXPOSURE TO RAINFALL OR IN THE EVENT OF A MATERIAL SPILL.
 11. PROVIDE EROSION "PREVENTION" (SOIL STABILIZATION) AND SITE PERIMETER PROTECTION MEASURES SUCH AS FIBER ROLLS, SILT FENCE, AND/OR SEDIMENT TRAPS OR BASINS TO PREVENT ANY SEDIMENT FROM LEAVING THE WORK SITE. MAINTAIN THESE MEASURES TO REMAIN EFFECTIVE.
 12. INSTALL AND MAINTAIN A CONSTRUCTION ENTRANCE TO MINIMIZE THE TRACKING OF DIRT, MUD, DUST AND/OR DEBRIS ONTO THE PUBLIC RIGHT-OF-WAY. DURING WET WEATHER, AVOID DRIVING VEHICLES WHERE MUD OR OTHER WASTES CAN BE TRACKED ONTO THE PUBLIC RIGHT-OF-WAY.
 13. PROTECT ALL STORM DRAIN INLETS AND PERVIOUS CONCRETE SWALES IN THE VICINITY OF THE WORK SITE USING FILTER MATERIALS SUCH AS GRAVEL BAGS AND FILTER FABRIC. INLET PROTECTIONS SHALL BE INSTALLED PRIOR TO ANY ACTIVITY THAT MAY RESULT IN THE DISCHARGE OF MATERIAL TO THE STORM DRAIN AND AFTER INSTALLATION OF PERVIOUS CONCRETE SWALES. MAINTAIN THESE FILTER MATERIALS TO REMAIN EFFECTIVE AND REMOVE ANY ACCUMULATED SEDIMENT DEPOSITS. REMOVE THESE MATERIALS DURING PROJECT WRAP-UP.
 14. DIVERT ON-SITE STORMWATER FLOWS AROUND AREAS OF EXPOSED OR DISTURBED SOIL TO PREVENT EROSION OR SEDIMENT RUNOFF.
 15. DESIGN ANY SITE DE-WATERING (I.E., THE REMOVAL OF WATER FROM AN EXCAVATION PIT). EFFORTS TO PREVENT THE DISCHARGE OF ANY SEDIMENT, DEBRIS OR OTHER POLLUTANTS TO THE STREET, SIDEWALK OR STORMWATER DRAINAGE SYSTEM.
 16. VACUUM ALL PAVEMENT SAW-CUTTING SLURRY AND REMOVE FROM SITE. DO NOT ALLOW PAVEMENT SAW-CUT SLURRY TO ENTER THE STORMWATER DRAINAGE SYSTEM.
 17. AVOID CLEANING OR RINSING ANY MACHINERY, TOOLS, BRUSHES, EQUIPMENT, CONTAINERS, SURFACES, ETC. INTO A STREET, GUTTER, STORM DRAIN OR WATERWAY.
 18. ENSURE THAT CONCRETE SUPPLY TRUCKS AND/OR CONCRETE/PLASTER OPERATIONS DO NOT DISCHARGE WASH WATER OR WASTES INTO THE STREET, GUTTERS OR STORM DRAINS. CONCRETE TRUCKS SHALL HAVE A SELF-CONTAINED WASH-OUT SYSTEM OR DISCHARGE TO A DEDICATED, SECURE ON-SITE WASH-OUT.
 19. PREVENT THE DISCHARGE OF ANY TREATMENT OR RINSE WATERS FROM SURFACE FINISHING EFFORTS FOR ARCHITECTURAL COPPER, CEMENT, PLASTER, ETC., TO THE STORMWATER DRAINAGE SYSTEM OR ANY WATERWAY.
 20. FOR EROSION CONTROL HYDROSEEDING MEASURES SEE PLANTING PLAN, SHEET L9.1.

EROSION AND SEDIMENT CONTROL LEGEND

PROPOSED	DESCRIPTION
(Symbol)	LIMIT OF WORK
(Symbol)	TEMPORARY CONSTRUCTION FENCING - REFER TO SPECIFICATION
(Symbol)	FIBER ROLL BARRIER (B)
(Symbol)	TEMPORARY CONCRETE WASHOUT FACILITY - PROVIDE A WASHOUT BIN FOR CONCRETE / CONSTRUCTION WASHOUT AND REMOVE AT END OF CONSTRUCTION (A)
(Symbol)	CONSTRUCTION STAGING AREA
(Symbol)	WHEEL WASH CONSTRUCTION ENTRY - STEEL PLATES
(Symbol)	PLANTING AREA (PA)
(Symbol)	FILTER FABRIC TO BE SECURELY ATTACHED TO DRAINAGE STRUCTURE TOP. (C)



NO.	DESCRIPTION	DATE	BY	DATE

Revisions

WORK ACCEPTED:	INSPECTOR:	DRAWN: RK / JL	DESIGN: CMES	HOR: N/A
		CHECKED: CMES / DM		VERT: N/A
APPROVED:	DATE: 12/15/16	JOB NUMBER: 135013		

KARL D. BJORNDAL - CITY ENGINEER
SCE 39416 EXP. 12/31/2017

City of Morgan Hill
Public Works Department
17575 Peak Ave. Morgan Hill, CA 95037 (408)778-6480, Fax (408)779-7236

VERDE DESIGN
LANDSCAPE ARCHITECTURE
CIVIL ENGINEERING
SPORT PLANNING & DESIGN
2455 The Alameda, Ste. 200
Santa Clara, CA 95050
tel: 408.985.7200
fax: 408.985.7200
www.verdedesigninc.com

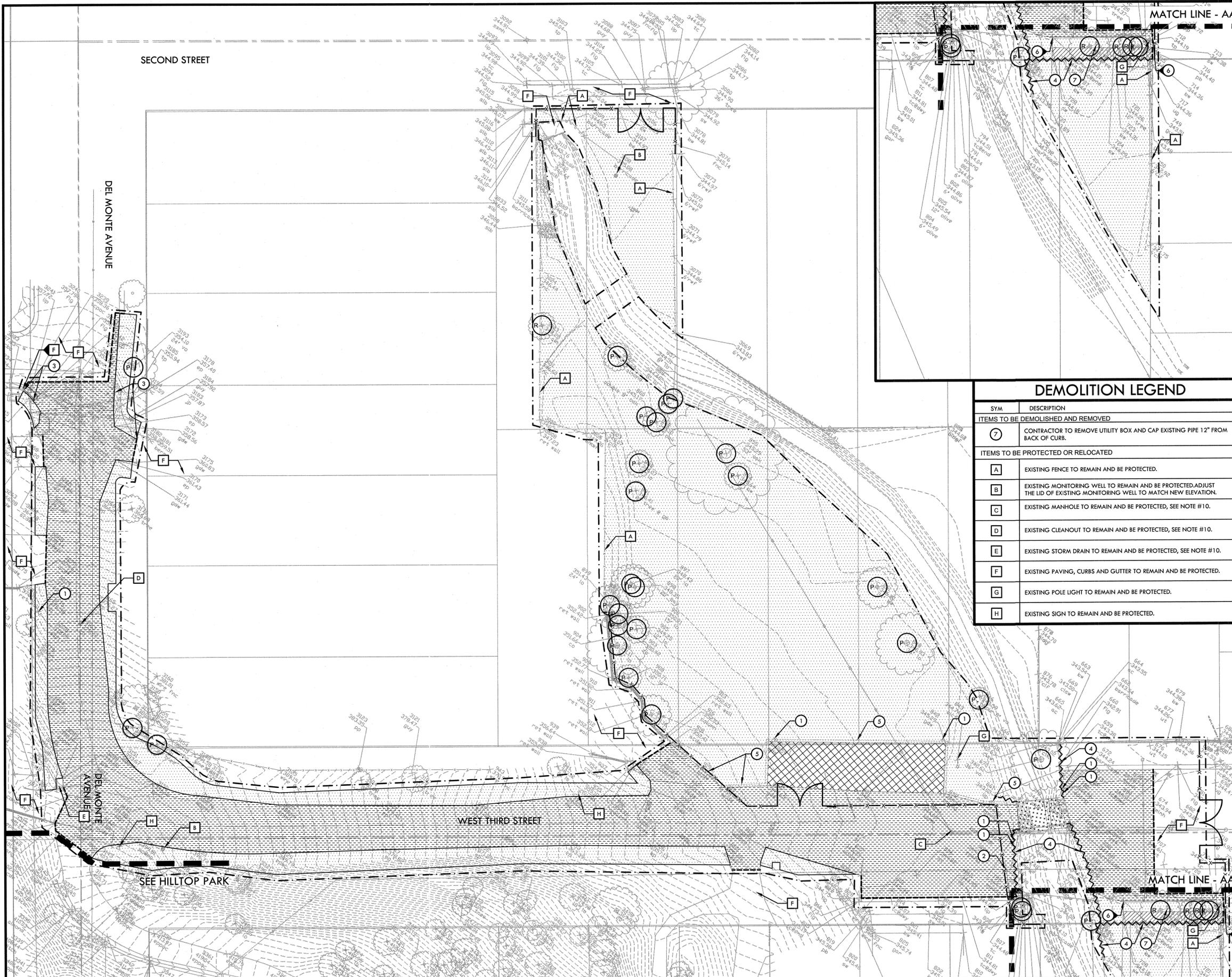
DEL MONTE AVE AND WEST 3RD STREET, MORGAN HILL, CA 95037

EROSION AND SEDIMENT CONTROL PLAN
LITTLE LLAGAS CREEK PARK

FILE NUMBER: 1520400
PRINT DATE: 12/07/16
SHEET NUMBER: L2.1

REGISTERS LANDSCAPE ARCHITECT
DEBBIE MOORE
EXPIRES DATE: DEC. 2017
STATE OF CALIFORNIA

BID DRAWINGS



- ### DEMOLITION NOTES
- THE CONTRACTOR SHALL PERFORM ALL CLEARING, DEMOLITION, SITE PREPARATIONS AND REMOVAL OF OBSTRUCTIONS NECESSARY FOR THE PROPER EXECUTION OF ALL WORK CONTAINED IN THE CONTRACT DOCUMENTS.
 - THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BID SUBMITTAL TO DETERMINE THE EXACT EXTENT AND DEPTH OF SITE DEMOLITION REQUIRED AND VERIFY COMPLIANCE WITH DRAWINGS. THE OWNER'S REPRESENTATIVE SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES.
 - THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES, STRUCTURES, AND SERVICES BEFORE COMMENCING WORK. THE LOCATIONS OF UTILITIES, STRUCTURES, AND SERVICES SHOWN IN THE CONTRACT DOCUMENTS SHALL BE DEEMED TO BE APPROXIMATIONS ONLY. ALL DISCREPANCIES BETWEEN WHAT IS SHOWN AND THE ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE. THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (USA) AT (800) 227-2600 PRIOR TO ANY DEMOLITION OR EXCAVATION. UPON COMPLETION OF USA MARKING OPERATIONS, THE CONTRACTOR SHALL RECORD ALL UTILITY MARKINGS ON A SEPARATE SET OF DRAWINGS AND BE PROVIDED TO OWNER AT COMPLETION OF CONSTRUCTION. THIS SET SHALL BE KEPT ON-SITE FOR REFERENCE FOR DURATION OF CONTRACT. NOTIFY THE OWNER IMMEDIATELY SHOULD CONFLICTS ARISE, AND REDIRECT WORK TO AVOID DELAY.
 - ALL EXISTING ITEMS ARE TO REMAIN UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING, AT CONTRACTOR'S EXPENSE, ANY EXISTING ITEM DAMAGED OR DESTROYED BY CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR REPAIRING OR REPLACING ANY AND ALL DAMAGES TO ADJACENT PROPERTIES. THE DAMAGED ITEMS SHALL BE RESTORED TO AN "AS-WAS" OR BETTER CONDITION OR REPLACED PER THE DISCRETION OF THE OWNER.
 - PRIOR TO ANY DEMOLITION WORK, THE CONTRACTOR SHALL INSTALL SELF-SUPPORTING INTERLOCKING CHAIN-LINK TEMPORARY CONSTRUCTION FENCING TO ENCLOSE AND SECURE THE PROJECT AREA LIMIT OF WORK. THE FENCING SHALL CONTAIN PEDESTRIAN AND/OR VEHICULAR ACCESS GATES AS NECESSARY AND SHALL BE MINIMUM SIX (6) FEET HIGH, WITH A TOP AND BOTTOM RAIL KNUCKLED TOP AND BOTTOM SEWAGE (NO BARBED WIRE PERMITTED). THE CONSTRUCTION FENCING WORK SHALL BE SUBJECT TO THE DISCRETION OF THE OWNER.
 - PRIOR TO ANY DEMOLITION WORK, THE CONTRACTOR SHALL PROTECT ALL EXISTING PLANT MATERIALS NOT SCHEDULED FOR REMOVAL BY INSTALLING TEMPORARY FOUR (4) FOOT HIGH "BLAZE ORANGE" CONSTRUCTION SAFETY FENCING AT THE TREE DRIP LINES OR THE PERIMETER PERIMETER OF THE TREE GROUPINGS. THE FENCING SHALL BE SECURED WITH DRIVEN METAL STAKES. ALL TREE PROTECTION WORK SHALL BE SUBJECT TO THE DISCRETION OF THE OWNER.
 - THE CONTRACTOR SHALL PROVIDE THE REQUIRED COORDINATION OF ANY EXISTING UTILITY FOR ITS TEMPORARY DISCONNECTION, PROTECTION, REMOVAL AND/OR STORAGE AS MAY BE REQUIRED DURING CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER TO DETERMINE WHETHER TEMPORARY SERVICES ARE NECESSARY.
 - DEMOLITION SHALL INCLUDE THE REMOVAL OF DESIGNATED HARDSCAPE ITEMS AND ANY FOUNDATION OR STRUCTURAL SUPPORT RELATED TO THE ITEM. FOR PLANT MATERIAL, THIS SHALL INCLUDE STUMPS AND ROOTS OVER TWO (2) INCHES IN DIAMETER. REMOVAL SHALL INCLUDE DISPOSAL OFF-SITE IN A LEGAL MANNER ACCEPTABLE TO THE OWNER AND IN COMPLIANCE WITH ALL FEDERAL, STATE, AND LOCAL CODES AND ORDINANCES.
 - LOCATION OF THE UNDERGROUND UTILITIES IS AN APPROXIMATION AND SHOULD BE FIELD VERIFIED BY THE CONTRACTOR.
 - ANY (E) UTILITIES TO REMAIN SHALL RECEIVE A NEW UTILITY BOX IF LOCATED WITHIN LIMIT OF WORK.

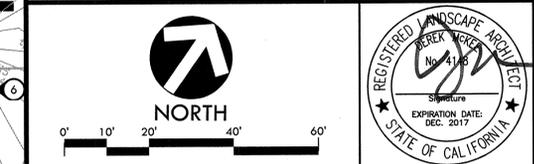
DEMOLITION LEGEND

SYM	DESCRIPTION
ITEMS TO BE DEMOLISHED AND REMOVED	
(Z)	CONTRACTOR TO REMOVE UTILITY BOX AND CAP EXISTING PIPE 12" FROM BACK OF CURB.
ITEMS TO BE PROTECTED OR RELOCATED	
(A)	EXISTING FENCE TO REMAIN AND BE PROTECTED.
(B)	EXISTING MONITORING WELL TO REMAIN AND BE PROTECTED. ADJUST THE LID OF EXISTING MONITORING WELL TO MATCH NEW ELEVATION.
(C)	EXISTING MANHOLE TO REMAIN AND BE PROTECTED, SEE NOTE #10.
(D)	EXISTING CLEANOUT TO REMAIN AND BE PROTECTED, SEE NOTE #10.
(E)	EXISTING STORM DRAIN TO REMAIN AND BE PROTECTED, SEE NOTE #10.
(F)	EXISTING PAVING, CURBS AND GUTTER TO REMAIN AND BE PROTECTED.
(G)	EXISTING POLE LIGHT TO REMAIN AND BE PROTECTED.
(H)	EXISTING SIGN TO REMAIN AND BE PROTECTED.

DEMOLITION LEGEND

SYM	DESCRIPTION
- - - - -	LIMIT OF WORK, REFER TO EROSION CONTROL PLAN.
- - - - -	CONSTRUCTION FENCING - REFER TO SPECIFICATIONS.
.....	EXISTING AREA TO BE CLEARED AND GRUBBED - REFER TO SPECIFICATIONS.
.....	EXISTING ASPHALT PAVING AND BASE ROCK TO BE DEMOLISHED AND REMOVED.
.....	EXISTING CONCRETE TO BE DEMOLISHED AND REMOVED.
.....	EXISTING GRAVEL TO BE REMOVED.
.....	EXISTING BRIDGE, ABUTMENTS AND WING WALLS TO BE REMOVED.
(P)	TREES TO REMAIN AND BE PROTECTED.
(R)	TREES TO BE REMOVED.
- - - - -	SAWCUT EXISTING PAVING.
- - - - -	CITY STANDARD CONSTRUCTION SIGN AT CONSTRUCTION ACCESS, CONTRACTOR TO COORDINATE WITH THE CITY. (D2.2)

- ### ITEMS TO BE DEMOLISHED AND REMOVED
- | | |
|-----|---|
| (1) | EXISTING SIGN, INCLUDING FOOTING, AND POST TO BE DEMOLISHED AND REMOVED. |
| (2) | EXISTING METER VALVES TO HAVE NEW BOXES AND RIMS ADJUSTED TO PROPOSED FINISH GRADE. |
| (3) | EXISTING CURB, GUTTER AND BASE ROCK TO BE DEMOLISHED AND REMOVED. |
| (4) | EXISTING FENCE TO BE DEMOLISHED AND REMOVED. |
| (5) | EXISTING LOGS TO BE REMOVED. |
| (6) | EXISTING CURB TO BE REMOVED. |



NO.	DESCRIPTION	DATE	BY	BY:	DATE:

Revisions

WORK ACCEPTED: _____ INSPECTOR: _____
 DRAWN: RK / JL DESIGN: CMES HOR: N/A
 CHECKED: CMES / DM VERT: N/A
 APPROVED: *Karl D. Bunde* DATE: 12/15/16 JOB NUMBER: 135013
 KARL D. BUNDE - CITY ENGINEER
 REC 39416 EXP. 12/31/2017

City of Morgan Hill
 Public Works Department
 17575 Peak Ave. Morgan Hill, CA 95037 (408)778-6480, Fax (408)779-7236

VERDE DESIGN
 LANDSCAPE ARCHITECTURE
 CIVIL ENGINEERING
 SPORT PLANNING & DESIGN
 2465 The Alameda, Ste. 200
 Santa Clara, CA 95050
 tel: 408.985.7200
 www.verdedesign.com

DEL MONTE AVE AND WEST 3RD STREET, MORGAN HILL, CA 95037

DEMOLITION PLAN
LITTLE LLAGAS CREEK PARK

FILE NUMBER: 1520400
 PRINT DATE: 12/07/16
 SHEET NUMBER: L31

REGISTERED LANDSCAPE ARCHITECT
 BREKER WINTER
 No. 1111
 Signature: _____
 EXPIRATION DATE: DEC. 2017
 STATE OF CALIFORNIA

BID DRAWINGS

SECOND STREET

DEL MONTE AVENUE

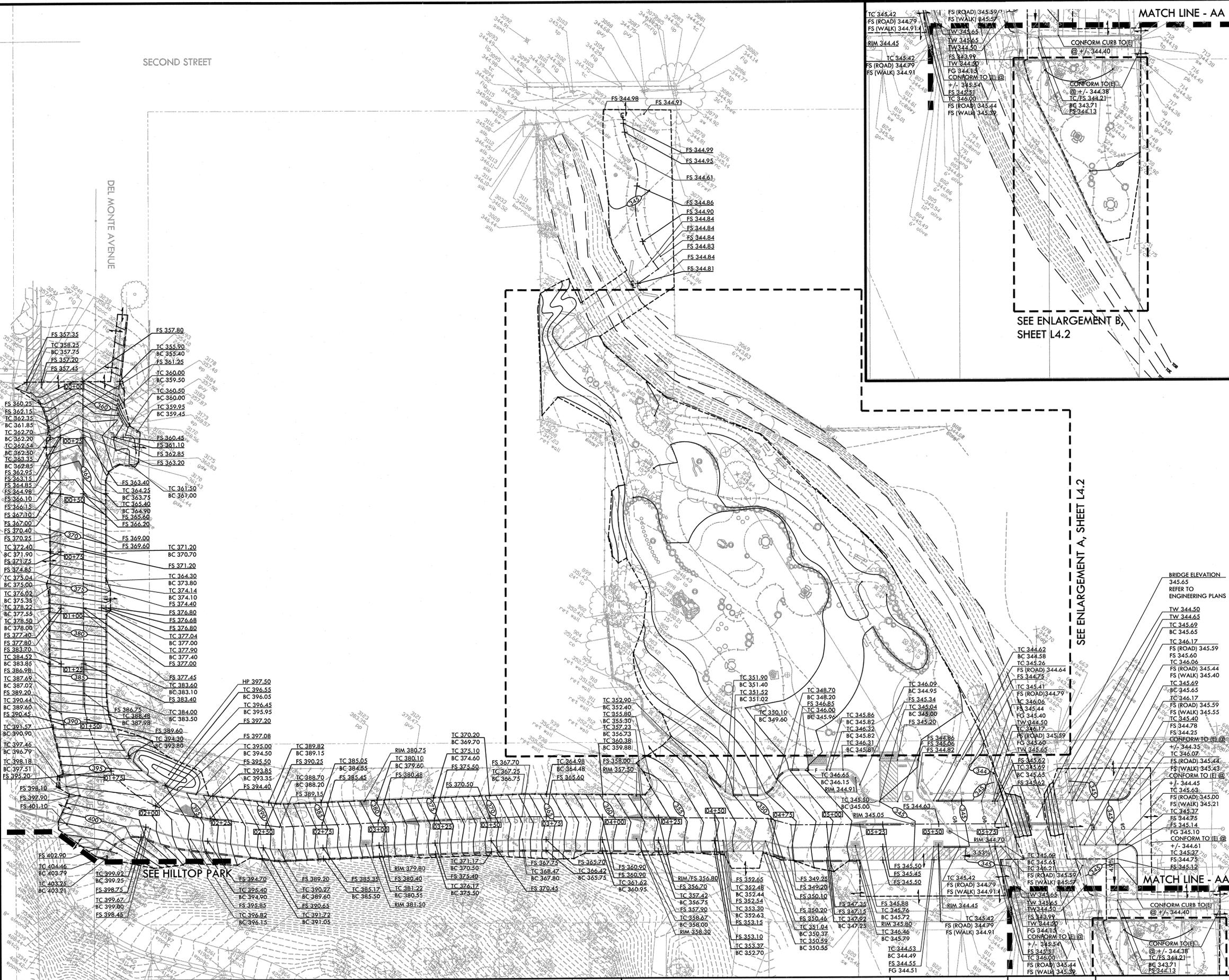
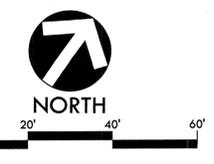
MATCH LINE - AA

GRADING NOTES

- EXISTING GRADES ARE BASED ON INFORMATION PROVIDED BY: MH ENGINEERING CO. CONTRACTOR SHALL VERIFY EXISTING GRADES FOR ACCURACY PRIOR TO THE START OF GRADING, NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY SHOULD CONFLICTS ARISE AND REDIRECT WORK TO AVOID DELAY.
- THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES, STRUCTURES AND SERVICES BEFORE COMMENCING WORK. THE LOCATIONS OF UTILITIES, STRUCTURES AND SERVICES SHOWN IN THE CONTRACT DOCUMENTS SHALL BE DEEMED TO BE APPROXIMATIONS ONLY. ALL DISCREPANCIES BETWEEN WHAT IS SHOWN AND THE ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE. THE CONTRACTOR SHALL CONTACT UNDER GROUND SERVICE ALERT (USA) AT (800) 227-2600 PRIOR TO ANY DEMOLITION OR EXCAVATION. UPON COMPLETION OF USA MARKING OPERATIONS, CONTRACTOR SHALL RECORD ALL UTILITY MARKINGS ON A SEPARATE SET OF DRAWINGS. THIS SET SHALL BE KEPT ON-SITE FOR REFERENCE FOR DURATION OF CONTRACT.
- PROPOSED GRADES SHALL MEET EXISTING GRADES WITH A SMOOTH AND CONTINUOUS TRANSITION SO AS TO AVOID TRAPPING WATER. CONTRACTOR SHALL NOTIFY OWNER'S REPRESENTATIVE IF PUDDING IS SUSPECTED AND REDIRECT WORK SO AS TO AVOID DELAY WHILE AWAITING RESPONSE.
- ALL EXISTING DRAINAGE STRUCTURES, BOXES, UTILITY VAULTS ETC. SHALL BE BROUGHT TO FINAL FINISH GRADE PRIOR TO FINAL SURFACE TREATMENT.

GRADING LEGEND

SYM	DESCRIPTION
	PROPOSED CONTOUR
	PROPOSED FINISH SURFACE ELEVATION OF HARDSCAPE
	RIM ELEVATION OF DRAIN
	TOP OF CURB BOTTOM OF CURB
	HIGH POINT
	ELEVATION CALLOUT AT RADII, TANGENTS, AND CORNERS.
	ELEVATION CALLOUT AT 25' STATIONING OR AT CENTER LINE
	CONFORM TO EXISTING GRADE
	LIMIT OF GRADING - CONFORM TO EXISTING GRADES AT THIS LINE
	CREEK BANK EDGE
	CENTERLINE
	RIDGE LINE
	FLOW LINE
	GRADE BREAK
	EXISTING CONTOUR
	EXISTING ELEVATION
	STATION LABEL



NO.	DESCRIPTION	DATE	BY	DATE

WORK ACCEPTED:	INSPECTOR:	DRAWN: RK / JL	DESIGN: CMES	HOR: N/A
CHECKED: CMES / DM	DATE:	DATE: 12/15/16	JOB NUMBER: 135013	VER: N/A
APPROVED:	DATE: 12/15/16	CITY OF MORGAN HILL		

City of Morgan Hill
Public Works Department

17575 Peak Ave. Morgan Hill, CA 95037 (408)778-6480, Fax (408)779-7236

LANDSCAPE ARCHITECTURE
CIVIL ENGINEERING
SPORT PLANNING & DESIGN

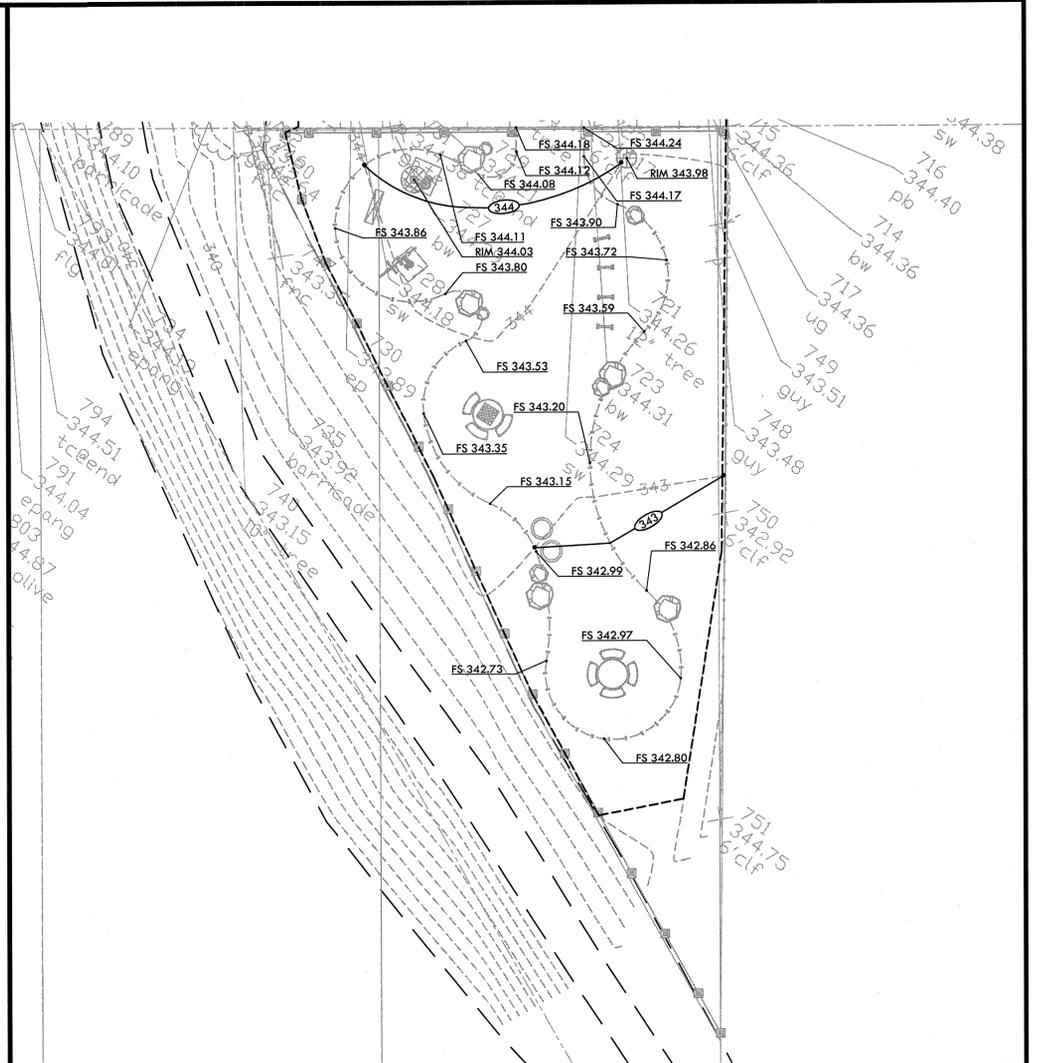
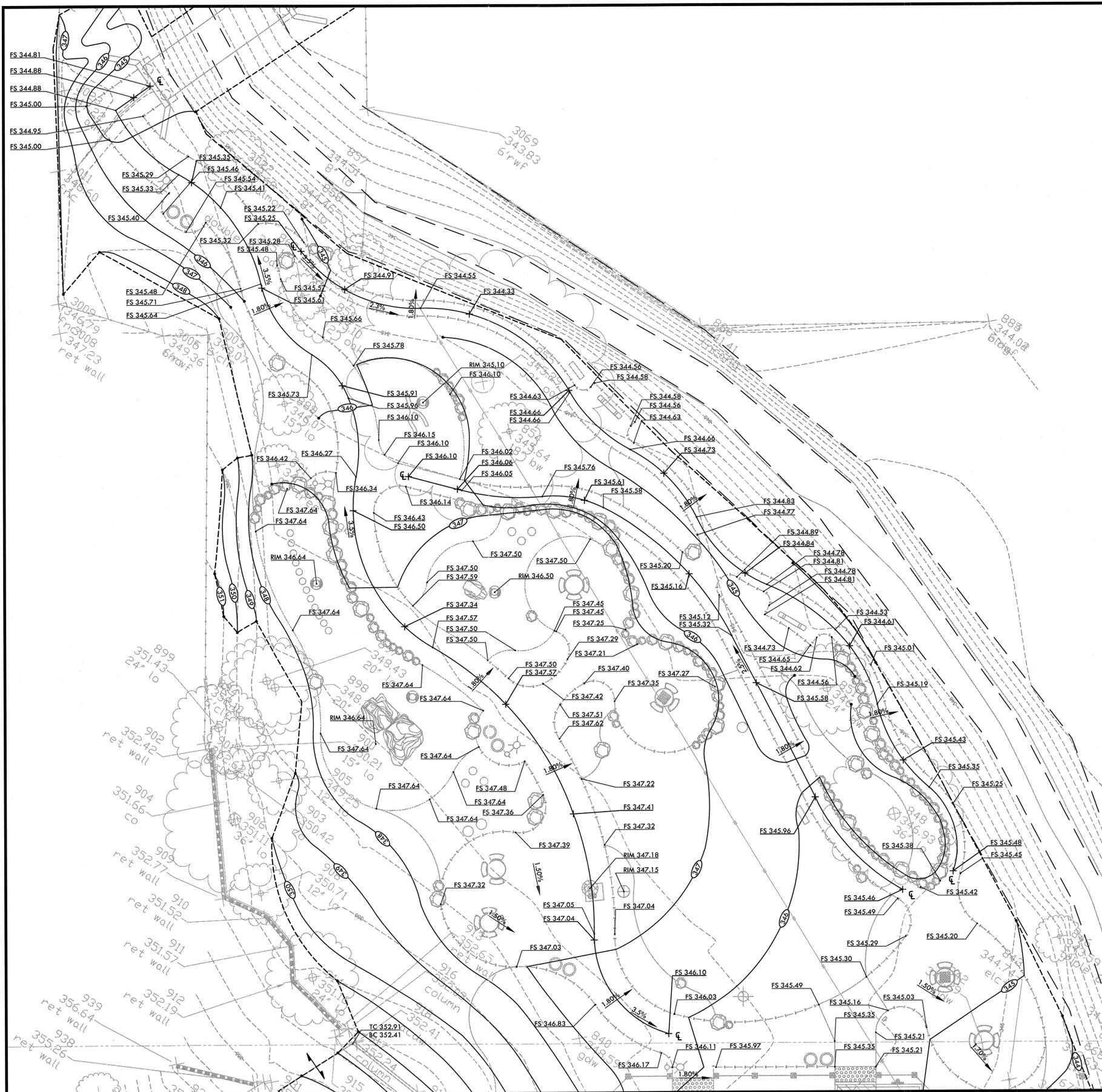
VERDE DESIGN

DEL MONTE AVE AND WEST 3RD STREET, MORGAN HILL, CA 95037

GRADING PLAN
LITTLE LLAGAS CREEK PARK

FILE NUMBER: 1520400
PRINT DATE: 12/07/16
SHEET NUMBER: L4.1

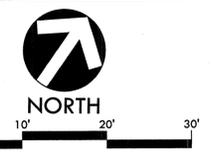
BID DRAWINGS



ENLARGEMENT B

GRADING LEGEND

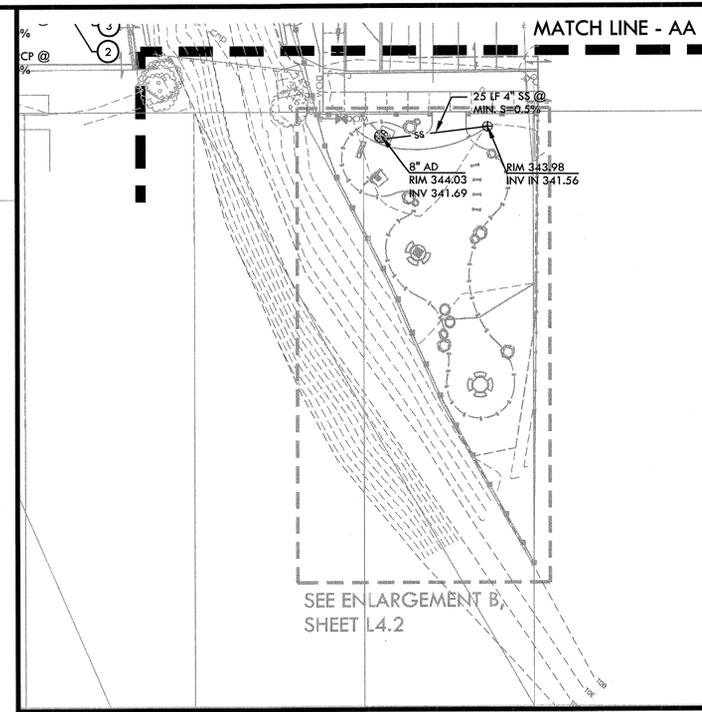
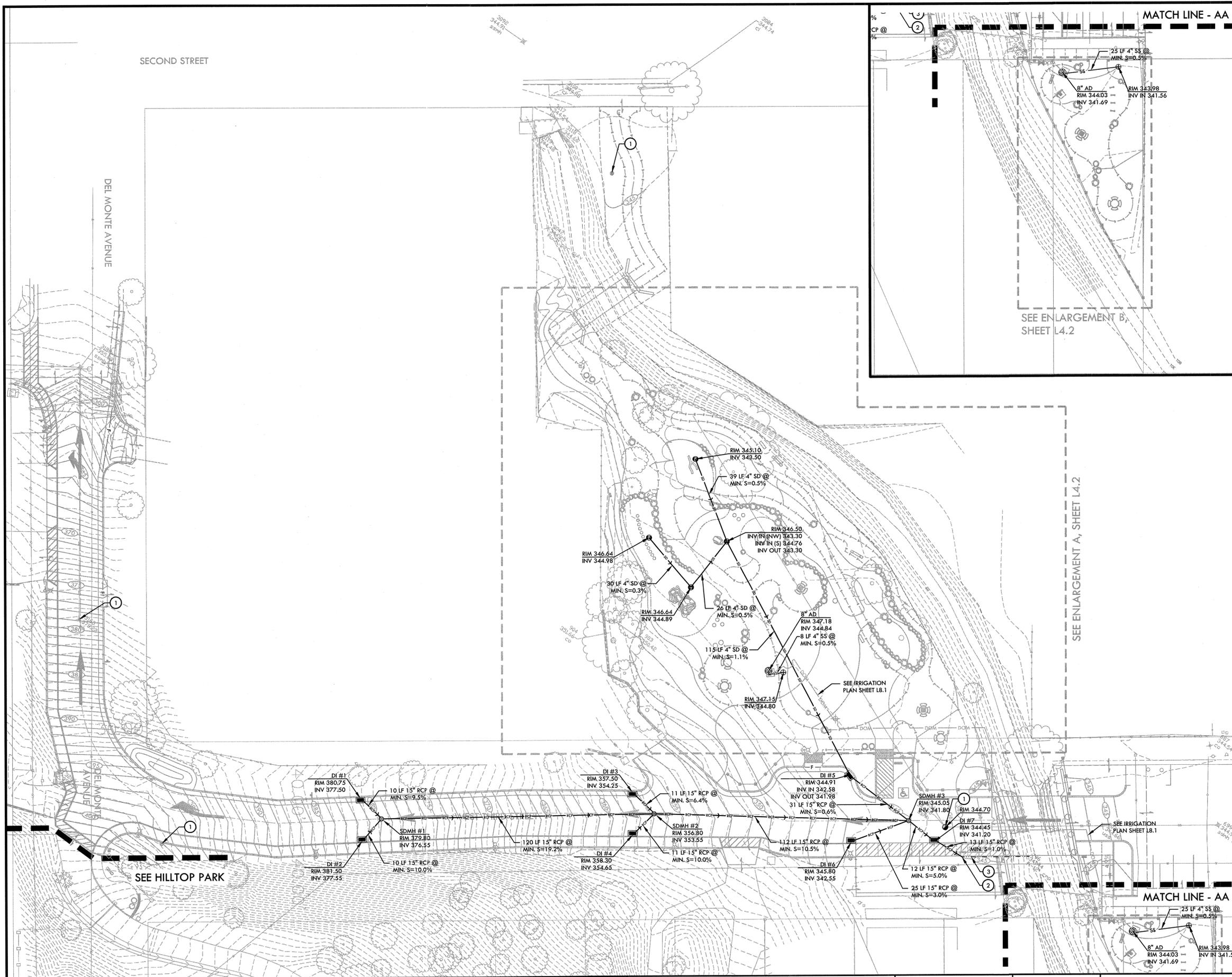
SYM	DESCRIPTION	SYM	DESCRIPTION
	RIDGE LINE		PROPOSED CONTOUR
	SWALE		PROPOSED FINISH SURFACE ELEVATION OF HARDSCAPE
	GRADE BREAK		RIM ELEVATION OF DRAIN
	EXISTING CONTOUR		TOP OF CURB BOTTOM OF CURB
	EXISTING ELEVATION		HIGH POINT
	STATION LABEL		ELEVATION CALLOUT AT RADII, TANGENTS, AND CORNERS.
			ELEVATION CALLOUT AT 25' STATIONING OR AT CENTER LINE
			CONFORM TO EXISTING GRADE
			LIMIT OF GRADING - CONFORM TO EXISTING GRADES AT THIS LINE
			CREEK BANK EDGE
			CENTERLINE



ENLARGEMENT A

WORK ACCEPTED: _____ INSPECTOR: _____ DRAWN: RK / JL DESIGN: CMES HOR: N/A CHECKED: CMES / DM VERT: N/A APPROVED: DATE: 12/15/16 JOB NUMBER: 135013 <small>KARL D. BUNKER - CITY ENGINEER RCE 38416 EXP. 12/31/2017</small>		 City of Morgan Hill Public Works Department 17575 Peak Ave. Morgan Hill, CA 95037 (408)778-6480, Fax (408)779-7236	 LANDSCAPE ARCHITECTURE CIVIL ENGINEERING SPORT PLANNING & DESIGN 2455 The Alameda, Ste. 200 San Jose, CA 95128 Tel: 408.986.7200 Fax: 408.986.7200 www.verdedesign.com	DEL MONTE AVE AND WEST 3RD STREET, MORGAN HILL, CA 95037	GRADING PLAN LITTLE LLAGAS CREEK PARK	FILE NUMBER: 1520400 PRINT DATE: 12/07/16 SHEET NUMBER: L4.2
--	--	---	--	---	--	--

BID DRAWINGS



DRAINAGE & UTILITY NOTES

1. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES, STRUCTURES, AND SERVICES BEFORE COMMENCING WORK. THE LOCATIONS OF UTILITIES, STRUCTURES, AND SERVICES SHOWN IN THE CONTRACT DOCUMENTS SHALL BE DEEMED TO BE APPROXIMATIONS ONLY. ALL DISCREPANCIES BETWEEN WHAT IS SHOWN AND THE ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE. THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (USA) AT (800) 227-2600 PRIOR TO ANY DEMOLITION OR EXCAVATION. UPON COMPLETION OF USA MARKING OPERATIONS, CONTRACTOR SHALL RECORD ALL UTILITY MARKINGS ON A SEPARATE SET OF DRAWINGS. THIS SET SHALL BE KEPT ON-SITE FOR REFERENCE FOR DURATION OF CONTRACT.
2. ALL EXISTING DRAINAGE STRUCTURES, BOXES, UTILITY VAULTS ETC. TO REMAIN, SHALL BE BROUGHT TO FINAL FINISH GRADE PRIOR TO FINAL SURFACE TREATMENT.
3. THE CONTRACTOR IS TO PROTECT DRAINAGE SYSTEM FROM DEBRIS, INCLUDING SOIL, ROCK MATERIAL, AND TRASH FROM ENTERING THE PIPE DURING CONSTRUCTION. CONTRACTOR SHALL AVOID PLACING CONSTRUCTION VEHICLES OVER INSTALLED DRAINAGE TRENCHES TO PREVENT CRUSHING OF PIPE.
4. COORDINATE ALL SLEEVING AND UTILITY LOCATIONS AS SHOWN ON THE PLANS AND DETAILS CONTAINED WITHIN THESE CONTRACT DOCUMENTS.
5. THE CONTRACTOR IS TO ENSURE THAT ALL REMAINING ACTIVE AND NEW DRAINAGE AND UTILITY LINES ARE PROTECTED AND UNDAMAGED FROM TRENCHING AND FOOTING EXCAVATIONS FOR NEW FOOTINGS, PARTICULARLY FOR NEW FENCING AND WALLS.
6. ALL ABANDONED STORM LINES SHALL REMAIN IN PLACE UNLESS IN CONFLICT WITH PROPOSED DRAINAGE, UTILITY, OR SUBGRADING OPERATIONS, IN WHICH CASE ABANDONED PIPE IN CONFLICT SHALL BE REMOVED. REMAINING ABANDONED STORM PIPE SHALL BE SEALED WITH APPROPRIATELY SIZED CONCRETE CAP (3 SACK MIX) 6" ENVELOPE OUTSIDE AND INSIDE DIAMETER OF PIPE.
7. PRIOR TO ALL DRAINAGE AND UTILITY WORK, CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL POTENTIAL DRAINAGE CONNECTIONS AND EXISTING UTILITY BY POT-HOLING. IN ADDITION, ALL DOWNSTREAM CONNECTIONS TO EXISTING STRUCTURES SHALL BE THE START OF THESE OPERATIONS, AND GRADES SHALL BE VERIFIED.
8. WHEN WORK HAS TO OCCUR UNDER THE DRILLPIE OF EXISTING TREES NOT SCHEDULED FOR REMOVAL, THE CONTRACTOR SHALL USE ALL POSSIBLE CARE TO AVOID INJURY TO THE TREES AND TREE ROOTS. GRADE IN LINES RADIAL TO THE EXISTING TREES RATHER THAN TANGENTIAL. ALL PARTIAL CUTS OR TEARS THROUGH ROOTS TWO INCHES IN DIAMETER AND LARGER SHALL BE CUT CLEAN. TRENCHES ADJACENT TO TREES SHALL BE FILED WITHIN 24 HOURS AFTER EXCAVATION, BUT WHERE THIS IS NOT POSSIBLE, THE SIDE OF THE TRENCH ADJACENT TO THE TREE, AND ANY EXPOSED ROOTS SHALL BE KEPT SHADED AND MOIST WITH DAMPENED BURLAP OR CANVAS.
9. EXISTING UTILITY SERVICES TO SURROUNDING AREAS AND USERS ARE TO BE MAINTAINED AT ALL TIMES.
10. ALL NEW STORM DRAIN INLETS SHALL BE CLEARLY MARKED WITH THE WORDS "NO DUMPING! DRAINS TO BAY", OR EQUIVALENT, AS APPROVED BY THE CITY PUBLIC WORKS DEPARTMENT. PERMANENTLY AFFIXED THERMOPLASTIC, METALLIC OR PLASTIC LAMINATE STYLE MARKERS ARE EXAMPLES OF ACCEPTABLE FORMS.

DRAINAGE & UTILITY LEGEND

SYM	DESCRIPTION	DETAIL NUMBER SHEET NUMBER
INV	INVERT	
LF	LINEAL FEET	
S=0.5%	SLOPE	
MIN.	MINIMUM	
DI	DROP INLET	
	DROP INLET	F D1.1
	SOLID WALL STORM DRAIN - CORRUGATED HIGH DENSITY POLYETHYLENE (CHDPE) TYPE - SIZE PER PLAN	C.D D1.1
	SANITARY SEWER PIPE - POLYVINYL CHLORIDE PIPE (P.V.C.) TYPE - SIZE PER PLAN.	C.D D1.1
	15" REINFORCED CONCRETE PIPE	
	FLOW LINE	
	EXISTING SANITARY SEWER MANHOLE	
	DRYWELL WITH DRAIN INLET	H D3.1
	DRYWELL - DRINKING FOUNTAIN	I D3.1
	BRASS FLOOR DRAIN IN PAVING	L D2.2
	24" STORM DRAIN MANHOLE	E D1.1
①	RIM ELEVATION TO BE ADJUSTED PER NEW PAVEMENT	
②	TIE PROPOSED RCP LINES TO EXISTING CORRUGATED STEEL STORM DRAIN LINE. CONTRACTOR TO VERIFY INVERT ELEVATION AT CONNECTION PRIOR TO SETTING INVERT ELEVATION OF DI #7.	
③	EXISTING 12" CORRUGATED STEEL STORM DRAIN LINE - DAYLIGHTS INTO CREEK	

NORTH

NO.	DESCRIPTION	DATE	BY:	DATE:
Revisions				

WORK ACCEPTED:	INSPECTOR:	DRAWN: RK / JL	DESIGN: CMES	HOR: N/A
CHECKED: CMES / DM	DATE: 12/15/16	VERT: N/A	JOB NUMBER: 135013	
APPROVED:	DATE: 12/15/16			
KARL D. BARKE - CIVIL ENGINEER RCE 35416 EXP. 12/31/2017				

City of Morgan Hill
Public Works Department

17575 Peak Ave. Morgan Hill, CA 95037 (408)778-6480, Fax (408)779-7236

VERDE DESIGN

LANDSCAPE ARCHITECTURE
CIVIL ENGINEERING
SPORT PLANNING & DESIGN

2455 The Alameda, Ste. 200
San Jose, CA 95126
Tel: 408.955.7200
Fax: 408.955.7200
www.verdedesign.com

DEL MONTE AVE AND
WEST 3RD STREET,
MORGAN HILL,
CA 95037

DRAINAGE PLAN
LITTLE LLAGAS CREEK PARK

FILE NUMBER: 1520400
PRINT DATE: 12/07/16
SHEET NUMBER: **L5.1**

BID DRAWINGS

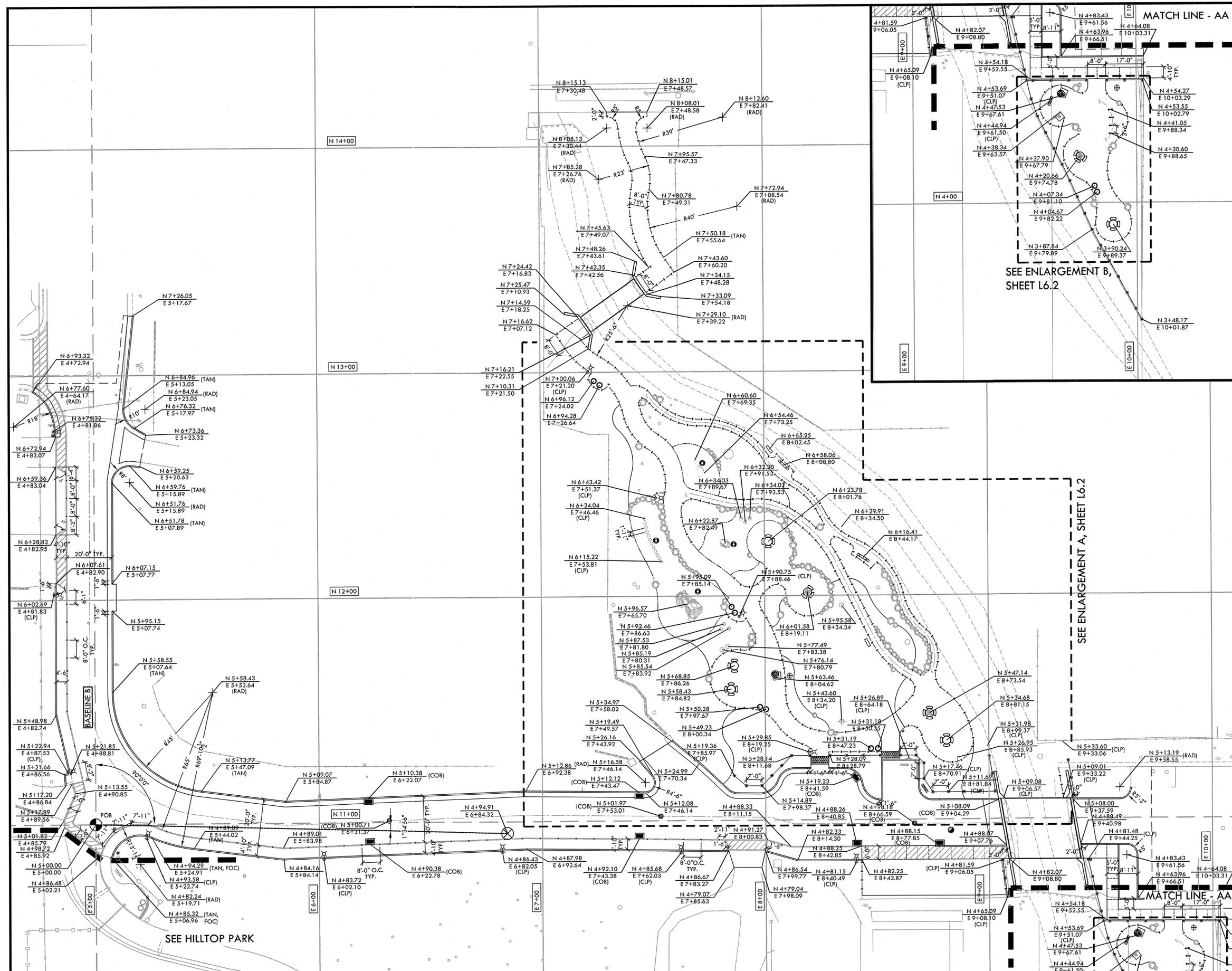
LAYOUT NOTES

1. THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ELEMENTS INCLUDING UTILITY LOCATIONS AND REQUIRED SLEEVING PRIOR TO INSTALLATION. VERIFY CRITICAL DIMENSIONS, REFERENCE POINT LOCATIONS AND CONSTRUCTION CONDITIONS PRIOR TO INITIATING CONSTRUCTION. TEMPORARY BENCHMARKS OR REFERENCE POINTS SHALL BE SET BY THE CONTRACTOR AS NECESSARY. NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY SHOULD DISCREPANCY ARISE AND REDIRECT WORK TO AVOID DELAYS.
2. ALL DIMENSIONS SHALL BE VERIFIED IN FIELD AND CHALKED, STRING LINED OR FLAGGED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. ANY MINOR ADJUSTMENTS MADE TO ACHIEVE OVERALL DESIGN LAYOUT SHALL BE ACCEPTED BY THE OWNER PRIOR TO CONSTRUCTION.
3. LAYOUT IS BASED ON THE POINT(S) OF BEGINNING (P.O.B.) AND BASELINE(S) OR GRID SYSTEM AS SHOWN. DIMENSIONS SHOWN ARE ROUNDED TO THE NEAREST INCH.
4. ALL LAYOUT AND GRADES SHALL BE COMPLETED BY A LICENSED SURVEYOR.

LAYOUT LEGEND

SYM	DESCRIPTION
	POINT OF BEGINNING - X/MAG NAIL
	ANCHOR POINT FOR BASELINE A - FND RR SPIKE
	RADIUS POINT / CENTER MARK
	PROPOSED ANGLE BETWEEN ELEMENTS
	ALIGN EDGES OF ELEMENTS
	CENTER LINES
	BASELINE
	CONTROL LINE
	NORTH/EASTING LAYOUT COORDINATE CALLOUT
	(CLP) CENTERLINE OF POST OR POLE
	(COB) CENTER OF BASIN / DRAINAGE / UTILITY STRUCTURE
	(FOC) FACE OF CURB
	(RAD) RADIUS POINT
	(TAN) TANGENT POINT

P.O.B. (POINT OF BEGINNING) - CONTROL LINE 'A' TO BE FROM POINT OF BEGINNING MAG NAIL TO MARKER (368.85 FND RR SPIKE), BASELINE 'A' IS 1' 34.56" FROM CONTROL LINE 'A' AT POINT OF BEGINNING. BASELINE 'B' IS 90' FROM BASELINE 'A'. FOR EXACT LOCATION OF CONTROL POINT 'A' AND POINT OF BEGINNING, CONTRACTOR TO VERIFY IN FIELD.



NORTH

NO.	DESCRIPTION	DATE	BY	DATE

WORK ACCEPTED:	INSPECTOR:	DRAWN: RK / JL	DESIGN: CMES	HOR: N/A
		CHECKED: CMES / DM		
		APPROVED: <i>[Signature]</i>	DATE: 12/15/16	JOB NUMBER: 135013
		KARL D. BURKE - CIVIL ENGINEER REG. 30416, EXP. 12/31/2017		

City of Morgan Hill
Public Works Department

17575 Peak Ave. Morgan Hill, CA 95037 (408)778-6480, Fax (408)779-7236

LANDSCAPE ARCHITECTURE
CIVIL ENGINEERING
SPORTS PLANNING & DESIGN

2455 The Alameda, Ste. 200
Santa Clara, CA 95050
Tel: 408.985.7200
Fax: 408.985.7200
www.verdedesign.com

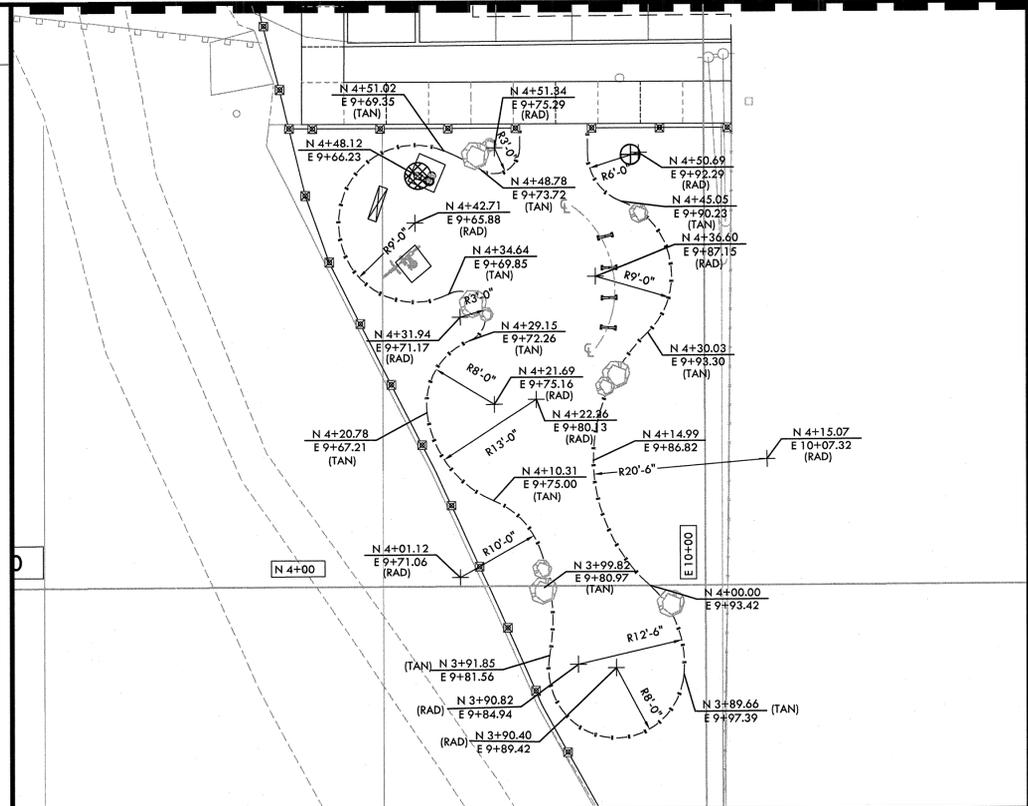
DEL MONTE AVE AND
WEST 3RD STREET,
MORGAN HILL,
CA 95037

LAYOUT PLAN

LITTLE LLAGAS CREEK PARK

FILE NUMBER: 1520400
PRINT DATE: 12/07/16
SHEET NUMBER: **L6.1**

BID DRAWINGS



ENLARGEMENT B

SCALE: 1"=10'-0"

LAYOUT LEGEND

SYM	DESCRIPTION
(CLP)	CENTERLINE OF POST OR POLE
(COB)	CENTER OF BASIN / DRAINAGE / UTILITY STRUCTURE
(FOC)	FACE OF CURB
(RAD)	RADIUS POINT
(TAN)	TANGENT POINT

P.O.B. (POINT OF BEGINNING) - CONTROL LINE 'A' TO BE FROM POINT OF BEGINNING MAG NAIL TO MARKER (368.85 FND RR SPIKE); BASELINE 'A' IS 1°34'56" FROM CONTROL LINE 'A' AT POINT OF BEGINNING. BASELINE 'B' IS 90° FROM BASELINE 'A'. FOR EXACT LOCATION OF CONTROL POINT 'A' AND POINT OF BEGINNING, CONTRACTOR TO VERIFY IN FIELD.

LAYOUT NOTES

1. THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ELEMENTS INCLUDING UTILITY LOCATIONS AND REQUIRED SLEEVING PRIOR TO INSTALLATION. VERIFY CRITICAL DIMENSIONS, REFERENCE POINT LOCATIONS AND CONSTRUCTION CONDITIONS PRIOR TO INITIATING CONSTRUCTION. TEMPORARY BENCHMARKS OR REFERENCE POINTS SHALL BE SET BY THE CONTRACTOR AS NECESSARY. NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY SHOULD DISCREPANCY ARISE AND REDIRECT WORK TO AVOID DELAYS.
2. ALL DIMENSIONS SHALL BE VERIFIED IN FIELD AND CHAIKED, STRING LINED OR FLAGGED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. ANY MINOR ADJUSTMENTS MADE TO ACHIEVE OVERALL DESIGN LAYOUT SHALL BE ACCEPTED BY THE OWNER PRIOR TO CONSTRUCTION.
3. LAYOUT IS BASED ON THE POINT(S) OF BEGINNING (P.O.B.) AND BASELINE(S) OR GRID SYSTEM AS SHOWN. DIMENSIONS SHOWN ARE ROUNDED TO THE NEAREST INCH.
4. ALL LAYOUT AND GRADES SHALL BE COMPLETED BY A LICENSED SURVEYOR.

LAYOUT LEGEND

SYM	DESCRIPTION
(P.O.B.)	POINT OF BEGINNING - X-MAG NAIL
(X)	ANCHOR POINT FOR BASELINE A - FND RR SPIKE
(R)	RADIUS POINT / CENTER MARK
(A)	PROPOSED ANGLE BETWEEN ELEMENTS
(A)	ALIGN EDGES OF ELEMENTS
(---)	CENTER LINES
(---	BASELINE
(---	CONTROL LINE
(N 6+21.95, E 4+97.08)	NORTHING/EASTING LAYOUT COORDINATE CALLOUT

ENLARGEMENT A

SCALE: 1"=10'-0"

<p>NO. DESCRIPTION DATE BY BY: DATE:</p>		<p>WORK ACCEPTED: INSPECTOR:</p>	<p>DRAWN: RK / JL DESIGN: CMES</p>	<p>HOR: N/A VERT: N/A</p>	<p>CITY OF MORGAN HILL</p>	<p>LANDSCAPE ARCHITECTURE CIVIL ENGINEERING SPORT PLANNING & DESIGN 2455 The Alameda, Ste. 200 San Jose, CA 95128 Tel: 408.955.7200 Fax: 408.955.7260 www.verdedesign.com</p>	<p>DEL MONTE AVE AND WEST 3RD STREET, MORGAN HILL, CA 95037</p>	<p>LAYOUT PLAN LITTLE LLAGAS CREEK PARK</p>	<p>FILE NUMBER: 1520400 PRINT DATE: 12/07/16 SHEET NUMBER: L6.2</p>
<p>Revisions</p>			<p>APPROVED: <i>[Signature]</i> DATE: 12/15/16</p>	<p>JOB NUMBER: 135013</p>	<p>CITY OF MORGAN HILL 17575 Peak Ave. Morgan Hill, CA 95037 (408)778-6480, Fax (408)779-7236</p>	<p>VERDE DESIGN</p>	<p>REGISTERED LANDSCAPE ARCHITECT No. 108 EXPIRES DATE: DEC. 2017 STATE OF CALIFORNIA</p>	<p>STATE OF CALIFORNIA</p>	<p>BID DRAWINGS</p>

SECOND STREET

DEL MONTE AVENUE

SEE HILLTOP PARK

WEST THIRD STREET

MATCH LINE - AA

MATCH LINE - AA

MATERIAL LEGEND

SYM	DESCRIPTION	DTL REF
35	LOCATION FOR PUBLIC ART	
36	KIOSK WITH BIKEWAYS MAP - REFER TO SPECIFICATIONS	
37	BIKE FIX IT STATION - REFER TO SPECIFICATIONS	
38	NO PARKING SIGN	J D2.3
39	POLE LIGHT - REFER TO ELECTRICAL PLANS	
40	VALLEY GUTTER	A D2.1
41	REMOVABLE BOLLARD - REFER TO SPECIFICATIONS	M D2.3
42	SHOVEL CUT EDGE - TYPICAL	
43	PAVEMENT TO NEW CURB TRANSITION	E D2.2
44	ONE-WAY 24' LENGTH TYPE I ARROW AND TYPE III (R) ARROW, REFER TO 2014 CALIFORNIA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FIGURE 38-24 SHEET 1 AND 3	
45	INTERPRETIVE DISPLAY SIGN	H D2.3

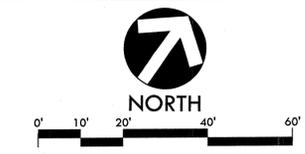
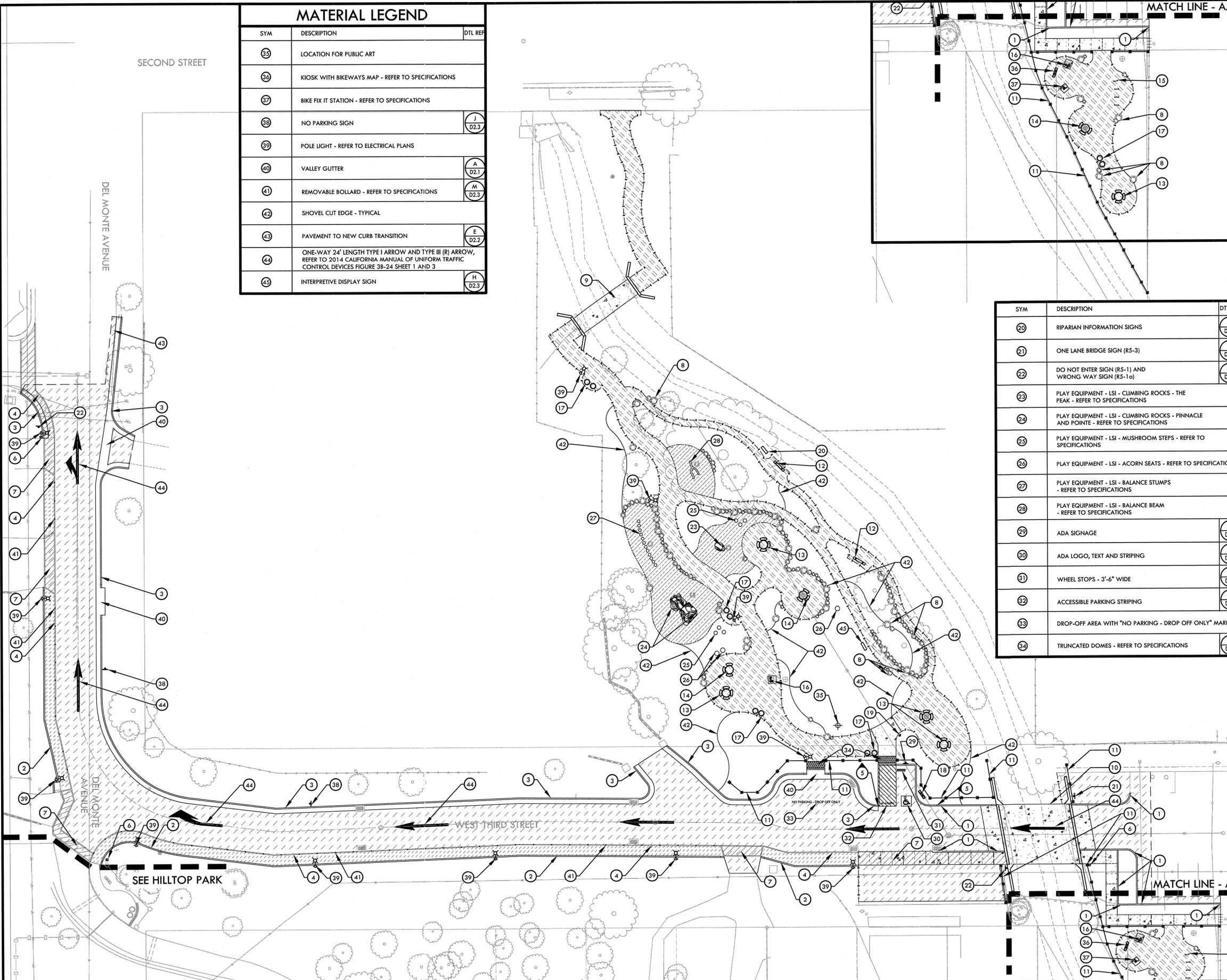
MATERIAL NOTES

1. THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ELEMENTS INCLUDING UTILITY LOCATIONS AND REQUIRED SLEEVING PRIOR TO INSTALLATION. VERIFY CRITICAL DIMENSIONS, REFERENCE POINT LOCATIONS AND CONSTRUCTION CONDITIONS PRIOR TO INITIATING CONSTRUCTION. TEMPORARY BENCHMARKS OR REFERENCE POINTS SHALL BE SET BY THE CONTRACTOR AS NECESSARY. NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY SHOULD DISCREPANCY ARISE AND REDIRECT WORK TO AVOID DELAYS.
2. THE INTERFACE OF ALL PROPOSED IMPROVEMENTS TO EXISTING SITE SHALL CONFORM AND BE SMOOTH AND UNIFORM.
3. ALL REINFORCING AND FORMS SHALL BE SECURED IN PLACE AND ACCEPTED BY OWNER'S REPRESENTATIVE PRIOR TO PLACING ANY CONCRETE.
4. CONCRETE FINISHES SHALL BE AS NOTED. CONTRACTOR SHALL PROVIDE 4"x4" SAMPLES OF ALL SPECIFIED FINISHES OF CONCRETE USING THE SAME MATERIALS THAT WILL BE USED IN THE ACTUAL CONSTRUCTION FOR EACH TYPE SPECIFIED. SAMPLES SHALL BE PREPARED WELL ENOUGH IN ADVANCE OF SCHEDULED CONCRETE POUR TO ALLOW FOR REVIEW AND POSSIBLE RE-POURING OF UNACCEPTABLE SAMPLES. UNACCEPTABLE SAMPLES SHALL BE RE-PREPARED UNTIL ACCEPTED BY THE OWNER'S REPRESENTATIVE. ACCEPTED SAMPLES SHALL BE PROTECTED AND REMAIN ON SITE FOR REFERENCE UNTIL FINAL ACCEPTANCE.
5. ASPHALT SHALL NOT BE INSTALLED UNTIL ALL CONCRETE CURBS AND CONCRETE PAVING IS INSTALLED.
6. FOR SITE SIGNAGE, REFER TO SPECIFICATIONS.

MATERIAL LEGEND

SYM	DESCRIPTION	DTL REF
	ASPHALT PAVING - PEDESTRIAN	A D2.2
	ASPHALT PAVING - VEHICULAR	B D2.2
	CONCRETE PAVING	C D2.2
	12" DEPTH FIBER SURFACING - REFER TO SPECIFICATIONS	
	DECOMPOSED GRANITE - REFER TO SPECIFICATIONS	E D2.1
	SCORE JOINT	J D2.2
	DEEP SCORE JOINT	J D2.2
	EXPANSION JOINT	F D2.2
	DOWEL JOINT	F D2.2
	REDWOOD HEADER BOARD EDGE	E D2.1 G D3.1 H D3.3
	FIBER EDGE AT PLANTING AREA	G D3.1
1	6" CONCRETE CURB	A D2.1
2	7 1/2" RETAINING CURB	A D2.1
3	6" CONCRETE CURB AND GUTTER	A D2.1
4	4" WHITE STRIPING - REFER TO SPECIFICATIONS	
5	6" CONCRETE EDGE BAND	K D2.2
6	TRAIL MARKERS - REFER TO SPECIFICATIONS	D D2.3
7	PATHWAY STRIPING	I D2.2
8	SONOMA MOSS ROCKS - TYPICAL - REFER TO SPECIFICATIONS	M D2.2
9	PEDESTRIAN BRIDGE - REFER TO STRUCTURAL PLANS	
10	VEHICULAR AND PEDESTRIAN BRIDGE - REFER TO STRUCTURAL PLANS	
11	POST AND RAIL FENCING	K D2.3
12	BENCHES WITHOUT BACK	
13	PICNIC TABLES - REFER TO SPECIFICATIONS	
14	PICNIC TABLES - ADA - REFER TO SPECIFICATIONS	
15	BIKE RACKS - PROVIDED BY CITY - REFER TO SPECIFICATIONS	L D2.3
16	DRINKING FOUNTAIN, WATER BOTTLE FILLING STATION AND PET STATION - REFER TO SPECIFICATIONS	L D2.2
17	TRASH AND RECYCLING RECEPTACLES - REFER TO SPECIFICATIONS	I D2.3
18	KIOSK WITH PARK AND CITY INFORMATION - REFER TO SPECIFICATIONS	
19	PET WASTE STATION - REFER TO SPECIFICATIONS	G D2.3

SYM	DESCRIPTION	DTL REF
20	RIPARIAN INFORMATION SIGNS	H D2.3
21	ONE LANE BRIDGE SIGN (R5-3)	J D2.3
22	DO NOT ENTER SIGN (R5-1) AND WRONG WAY SIGN (R5-1a)	J D2.3
23	PLAY EQUIPMENT - LSI - CLIMBING ROCKS - THE PEAK - REFER TO SPECIFICATIONS	
24	PLAY EQUIPMENT - LSI - CLIMBING ROCKS - PINNACLE AND POINTE - REFER TO SPECIFICATIONS	
25	PLAY EQUIPMENT - LSI - MUSHROOM STEPS - REFER TO SPECIFICATIONS	
26	PLAY EQUIPMENT - LSI - ACORN SEATS - REFER TO SPECIFICATIONS	
27	PLAY EQUIPMENT - LSI - BALANCE STUMPS - REFER TO SPECIFICATIONS	
28	PLAY EQUIPMENT - LSI - BALANCE BEAM - REFER TO SPECIFICATIONS	
29	ADA SIGNAGE	B D2.3
30	ADA LOGO, TEXT AND STRIPING	C D2.3
31	WHEEL STOPS - 3'-6" WIDE	E D2.3
32	ACCESSIBLE PARKING STRIPING	A D2.3
33	DROP-OFF AREA WITH "NO PARKING - DROP OFF ONLY" MARKING	
34	TRUNCATED DOMES - REFER TO SPECIFICATIONS	F D2.3



NO.	DESCRIPTION	DATE	BY

WORK ACCEPTED:	INSPECTOR:	DRAWN: RK / JL	DESIGN: CMES	HOR: N/A
		CHECKED: CMES / DM		VERT: N/A
APPROVED: <i>[Signature]</i>	DATE: 12/15/16	JOB NUMBER: 135013		

City of Morgan Hill
Public Works Department
17575 Peak Ave. Morgan Hill, CA 95037 (408)778-6480, Fax (408)779-7236

VERDE DESIGN
LANDSCAPE ARCHITECTURE
CIVIL ENGINEERING
SPORTS PLANNING & DESIGN
3455 The Alameda, Ste. 200
San Jose, CA 95126
Tel: 408.980.7200
Fax: 408.980.7200
www.verdedesign.com

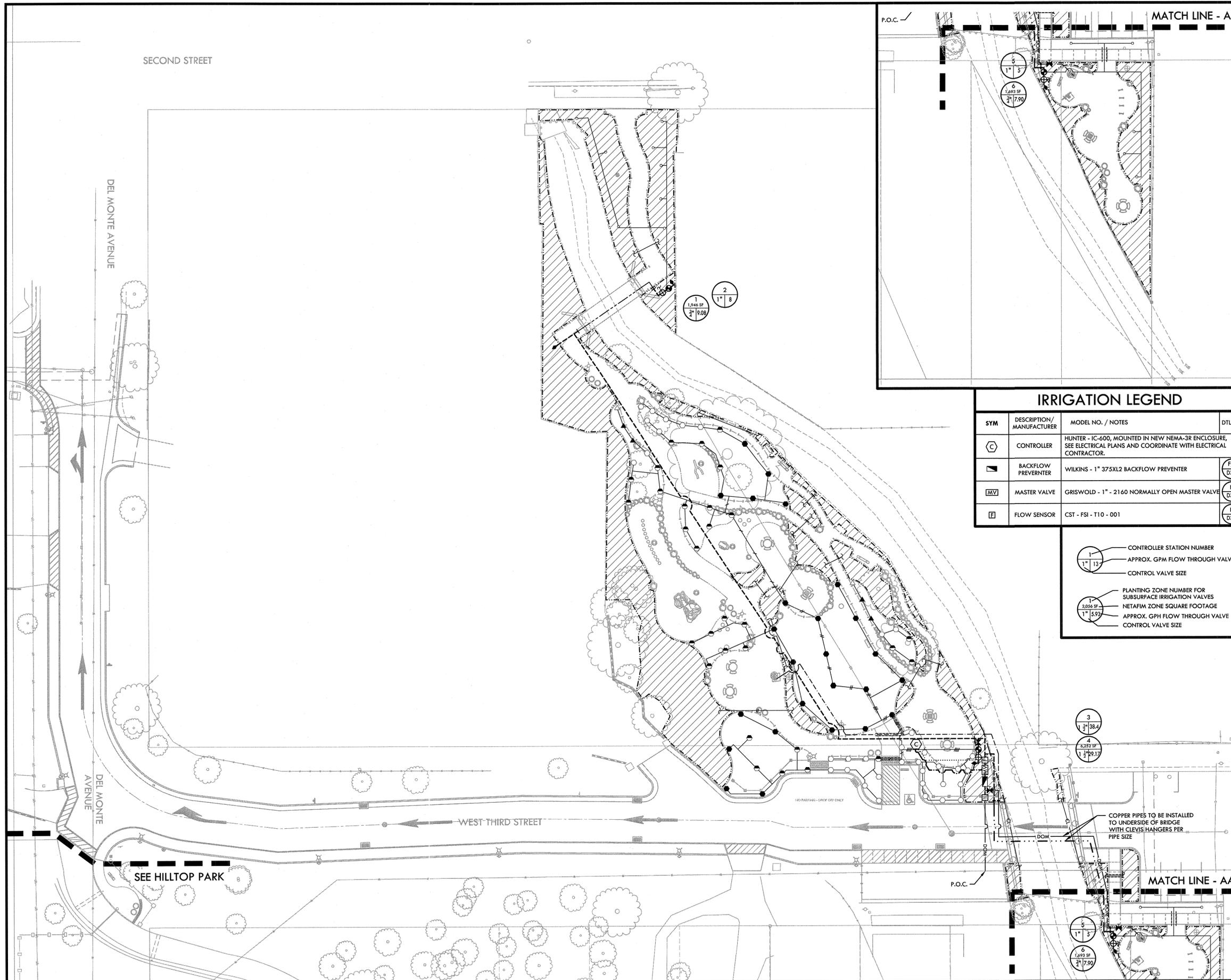
DEL MONTE AVE AND WEST 3RD STREET, MORGAN HILL, CA 95037

MATERIAL AND DETAIL REFERENCE PLAN

LITTLE LLAGAS CREEK PARK

FILE NUMBER: 1520400
PRINT DATE: 12/07/16
SHEET NUMBER: L7.1

BID DRAWINGS



- ### IRRIGATION NOTES
- THIS SYSTEM IS DESIGNED TO OPERATE AT A MAXIMUM FLOW OF (40) GPM WITH A MINIMUM (65) STATIC P.S.I. AT THE POINT OF CONNECTION. CONTRACTOR SHALL VERIFY PRESSURE PRIOR TO BEGINNING WORK. CONTACT OWNER IMMEDIATELY SHOULD DISCREPANCY ARISE AND RE-DIRECT WORK TO AVOID DELAY.
 - CONTRACTOR SHALL COORDINATE ELECTRICAL SUPPLY WITH GENERAL CONTRACTOR. GENERAL CONTRACTOR SHALL STUB APPROPRIATE POWER SUPPLY IN VICINITY OF CONTROLLER LOCATION.
 - IRRIGATION SYSTEM DESIGN IS DIAGRAMMATIC. WHERE PIPING, VALVES, QUICK COUPLERS, ETC. ARE SHOWN OUTSIDE PLANTING AREAS, OR LIMIT OF WORK; INTENT IS FOR PIPING, VALVES, ETC., TO BE INSTALLED WITHIN PLANTING AREAS OF PROPERTY. INDICATE EXACT LOCATIONS OF IRRIGATION EQUIPMENT ON RECORD DRAWINGS. REFER TO SPECIFICATIONS.
 - CONTRACTOR SHALL PROGRAM CONTROLLER TO INSURE PROPER IRRIGATION. BASED ON PLANT TYPE, SUN EXPOSURE, SOIL TYPE, SLOPE AND SEASON.
 - CONTRACTOR SHALL USE EXTREME CARE WHERE IT IS NECESSARY TO TRENCH NEAR EXISTING TREES. EXCAVATION IN AREAS EXHIBITING ROOT 3" AND LARGER SHALL BE DONE BY HAND. ROOTS 2" OR LARGER IN DIAMETER DAMAGED IN CONSTRUCTION SHALL BE CLEANLY CUT.
 - CONTRACTOR SHALL MAKE MINOR ADJUSTMENTS TO HEAD LOCATIONS IN FIELD AS NECESSARY.
 - CONTRACTOR SHALL DESIGNATE STATION NO.12 AS A NON "START TIME" ZONE - TO BE ACTIVATED WHEN QUICK COUPLER ARE TO BE USED.
 - CONTRACTOR SHALL REFER TO DETAILS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.

IRRIGATION LEGEND

SYM	DESCRIPTION/ MANUFACTURER	MODEL NO. / NOTES	DES. RAD. (85% MANUF.)	GPM	PSI	DTL REF
○	TREE BUBBLER	HUNTER FB-50-BUBBLER NOZZLE 2 PER TREE	-	.50	15	(B) D3.2
△	ROTATOR HEAD	HUNTER MP - CL/RS15-ON PROS 40 CV HEAD	5' X 15'	.22	40	(B) D3.1
▲	ROTATOR HEAD	HUNTER MP - SS330-ON PROS 40 CV HEAD	5' X 30'	.44	40	(B) D3.1
○	ROTATOR HEAD	HUNTER MP-800SR-ON PROS 40 CV HEAD	8' - 10' VARIES	.23-.78	40	(B) D3.1
⊖	ROTATOR HEAD	HUNTER MP-1000-ON PROS-12-PRS 40 CV HEAD	12' - 14' VARIES	.19-.75	40	(B) D3.1
●	ROTATOR HEAD	HUNTER MP-2000-ON PROS-12-PRS 40 CV HEAD	17' - 20' VARIES	.69-2.88	40	(B) D3.1
⊕	REMOTE CONTROL VALVE	HUNTER - ICV-G-AS-ADJ - SIZE AS NOTED				(C) D3.2
⊕	DRIP CONTROL VALVE KIT	ZONE NO. 1: NETAFIM - LVCZ8010075 - HF ZONE NO. 4: NETAFIM - LVCZ5151 ZONE NO. 6: NETAFIM - LVCZ8010075 - LF				(I,J,L) D3.3
⊕	GATE VALVE	NIBCO - GATE VALVES 2" AND SMALLER SHALL BE NIBCO T-113-LF. FOR VALVES ABOVE 2" IN SIZE UTILIZE NIBCO F-619 FLANGED VALVE WITH SQUARE OPERATING NUT.				(C) D3.1
◆	QUICK COUPLER VALVE IN LANDSCAPE	HUNTER - HQ-44-LRC QUICK COUPLER VALVE				(D) D3.1

IRRIGATION LEGEND

SYM	DESCRIPTION/ MANUFACTURER	MODEL NO. / NOTES	DTL REF
⊕	CONTROLLER	HUNTER - IC-600, MOUNTED IN NEW NEMA-3R ENCLOSURE, SEE ELECTRICAL PLANS AND COORDINATE WITH ELECTRICAL CONTRACTOR.	
⊕	BACKFLOW PREVENTER	WILKINS - 1" 375X12 BACKFLOW PREVENTER	(F,H) D3.2
⊕	MASTER VALVE	GRISWOLD - 1" - 2160 NORMALLY OPEN MASTER VALVE	(N) D3.3
⊕	FLOW SENSOR	CST - FSI - T10 - 001	(N) D3.3

- 1" 13' 13" CONTROLLER STATION NUMBER
- 1" 13' 13" APPROX. GPM FLOW THROUGH VALVE
- 1" 13' 13" CONTROL VALVE SIZE
- 1" 2,036 SF 1" 5,992 PLANTING ZONE NUMBER FOR SUBSURFACE IRRIGATION VALVES
- 1" 2,036 SF 1" 5,992 NETAFIM ZONE SQUARE FOOTAGE
- 1" 2,036 SF 1" 5,992 APPROX. GPH FLOW THROUGH VALVE
- 1" 2,036 SF 1" 5,992 CONTROL VALVE SIZE

---	LATERAL LINES	3/4" LATERAL LINE - SCHEDULE 40 PVC PIPE WITH SCH. 80 PVC SOLVENT-WELD FITTINGS, AND 18" COVER.	(A) D3.1	(D) D3.3
---	LATERAL LINES	1" LATERAL LINE - SCHEDULE 40 PVC PIPE WITH SCH. 80 PVC SOLVENT-WELD FITTINGS, AND 18" COVER.	(A) D3.1	(D) D3.3
---	LATERAL LINES	1 1/4" LATERAL LINE - SCHEDULE 40 PVC PIPE WITH SCH. 80 PVC SOLVENT-WELD FITTINGS, AND 18" COVER.	(A) D3.1	(D) D3.3
---	LATERAL LINES	1 1/2" LATERAL LINE - SCHEDULE 40 PVC PIPE WITH SCH. 80 PVC SOLVENT-WELD FITTINGS, AND 18" COVER.	(A) D3.1	(D) D3.3
---	LATERAL LINES	2" LATERAL LINE - SCHEDULE 40 PVC PIPE WITH SCH. 80 PVC SOLVENT-WELD FITTINGS, AND 18" COVER.	(A) D3.1	(D) D3.3
---	LATERAL LINES	3" TYPE K COPPER PIPE WITH SOLDER WELD FITTINGS AND 24" COVER	(A) D3.1	(D) D3.3
---	MAIN LINE	PROPOSED IRRIGATION MAIN LINE - 2" CLASS 315 PVC PIPE AND SOLVENT WELD FITTINGS AT 24" DEPTH	(A) D3.1	(D) D3.3
---	MAIN LINE	PROPOSED IRRIGATION MAIN LINE - 2" TYPE K COPPER PIPE WITH SOLDER WELD FITTINGS AND 24" COVER	(A) D3.1	(D) D3.3
---	SLEEVE	CLASS 315 PVC. PIPE SIZE TO BE TWICE THE SIZE OF TOTAL PIPE DIAMETERS WITHIN THE SLEEVE, OR AS NOTED, WITH 30" COVER.	(D) D3.3	
---	ELECTRICAL CONDUIT	1" SCHEDULE 80 PVC CONDUIT FOR FLOW SENSOR WIRING, WITH 18" COVER AND DETECTION LOCATOR TAPE.	(A) D3.1	(D) D3.3
---	ELECTRICAL CONDUIT	1" SCH. 80 PVC CONDUIT FOR 14 GAUGE WIRING BETWEEN CONTROLLER AND MASTER VALVE WITH 18" COVER, AND DETECTION LOCATOR TAPE.	(A) D3.1	(D) D3.3
---	DRIP LINE AREAS	ZONE NO. 1: NETAFIM - TLCV4-1810 ZONE NO. 3: NETAFIM - TLCV4-1810 ZONE NO. 4: NETAFIM - TLCV4-1810	(I,J,L) D3.3	
---	DOMESTIC WATER LINE	1" DOMESTIC SCHEDULE 40 PVC PIPE WITH SOLVENT WELD FITTINGS AND 24" COVER IN LANDSCAPE, AND 30" COVER IN PAVED AREAS.	(A) D3.1	(D) D3.3
---	DOMESTIC WATER LINE	2" TYPE K COPPER PIPE WITH SOLDER WELD FITTINGS AND 24" COVER IN LANDSCAPE, AND 30" COVER IN PAVED AREAS.	(A) D3.1	(D) D3.3
---	P.O.C.	TIE 2" MAIN LINE TO DOMESTIC LINE FROM WATER METER AS SHOWN. VERIFY LOCATION AND WATER PRESSURE IN FIELD. PROVIDE STATIC WATER PRESSURE RATE TO OWNER'S REPRESENTATIVE.		
---	WATER METER	1" DOMESTIC WATER METER INSTALLED BY THE CITY, CONTRACTOR TO FURNISH AND MORTAR THE WATER METER BOX.	(D,G) D3.2	

NORTH

0' 10' 20' 40' 60'

REGISTERED LANDSCAPE ARCHITECT

VERDE DESIGN

EXPIRATION DATE: DEC. 2017

NO.	DESCRIPTION	DATE	BY	DATE

Revisions

WORK ACCEPTED:	INSPECTOR:	DRAWN: RK / JL	DESIGN: CMES	HOR: N/A
CHECKED: CMES / DM		APPROVED: <i>[Signature]</i>	DATE: 12/15/16	VERT: N/A
			JOB NUMBER: 135013	

KARL D. BLARKE - CIVIL ENGINEER
RSC 32416 EXP. 12/31/2017

City of Morgan Hill
Public Works Department

17575 Peak Ave. Morgan Hill, CA 95037 (408)778-6480, Fax (408)779-7236

VERDE DESIGN

LANDSCAPE ARCHITECTURE
CIVIL ENGINEERING
SPORT PLANNING & DESIGN

2455 The Alameda, Ste. 200
Santa Clara, CA 95050
tel: 408.980.7200
fax: 408.980.7200
www.verdedesign.com

DEL MONTE AVE AND
WEST 3RD STREET,
MORGAN HILL,
CA 95037

IRRIGATION PLAN
LITTLE LLAGAS CREEK PARK

FILE NUMBER:	1520400
PRINT DATE:	12/07/16
SHEET NUMBER:	L8.1

BID DRAWINGS

EROSION CONTROL NOTES

EROSION CONTROL MEASURES

- EROSION IS TO BE CONTROLLED AT ALL TIMES.
- THE DESIRED END RESULT OF THESE MEASURES IS TO CONTROL SITE EROSION AND PREVENT SEDIMENT TRANSPORT OFF THE SITE. IT SHALL BE THE OWNER'S RESPONSIBILITY TO SEE THAT ANY ADDITIONAL MEASURES NECESSARY TO MEET THIS GOAL ARE IMPLEMENTED. IF FAILED INSPECTIONS BY CITY STAFF SHOW THIS GOAL IS NOT BEING MET, ADDITIONAL MEASURES MAY BE REQUIRED.
- ALL DISTURBED AREAS NOT CURRENTLY BEING USED FOR CONSTRUCTION SHALL BE SEEDED WITH THE FOLLOWING SEED MIXTURE:
WINTER BARLEY 5LBS PER 1000 SF
- AFTER SEEDING, STRAW MULCH WILL BE APPLIED AT 2-3 STRAW BALES PER 1000 SQ FT.
- AMMONIUM PHOSPHATE FERTILIZER, 6-3-3, SHALL BE APPLIED AT A RATE OF 30 LBS. PER ACRE. ON SLOPES GREATER THAN 20% EROSION CONTROL BLANKET (NORTH AMERICAN GREEN) SHALL BE APPLIED.
- SILT BARRIERS OR FILTER ROLLS SHALL BE PLACED END TO END AND STAKED DOWN ALONG THE BOTTOM OF ALL GRADED SLOPES.
- ALL EROSION CONTROL MEASURES INCLUDING BUT NOT LIMITED TO SILT FENCES, FIBER ROLLS AND SLOPE PROTECTION SHALL BE IN PLACE PRIOR TO CONSTRUCTION. THE ENGINEER OF RECORD SHALL INSPECT ONCE EROSION CONTROL MEASURES HAVE BEEN INSTALLED.

EXPOSED SLOPE MEASURES

- COVER ALL EXPOSED SLOPES
- SLOPED LESS THAN 3:1 - SEED WITH 5 LBS WINTER BARLEY AND COVER WITH 2-3 BALES OF STRAW MULCH PER 1000 SQ FT AND SOIL BINDER
- SLOPES GREATER THAN 3:1 - SEED WITH 5 LBS WINTER BARLEY PER 1000 SQ FT AND COVER WITH NORTH AMERICAN GREEN C125 OR EQUAL.

PLANTING NOTES

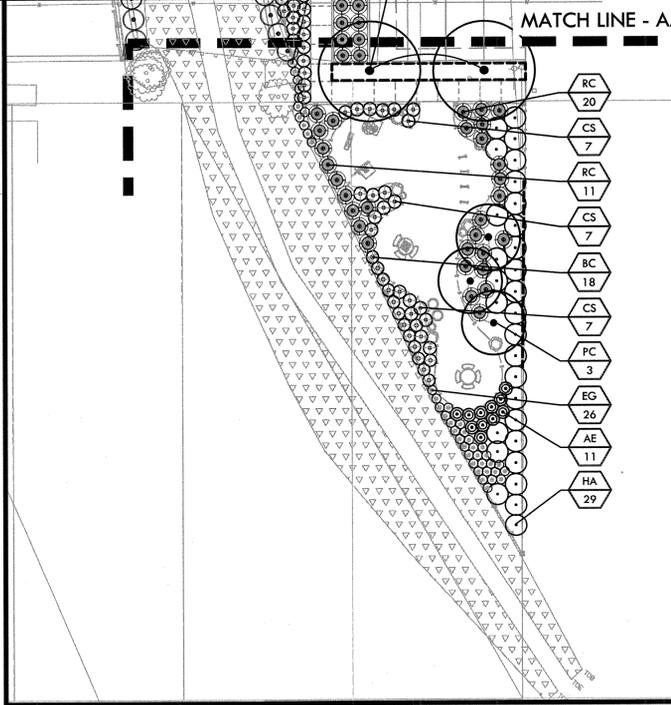
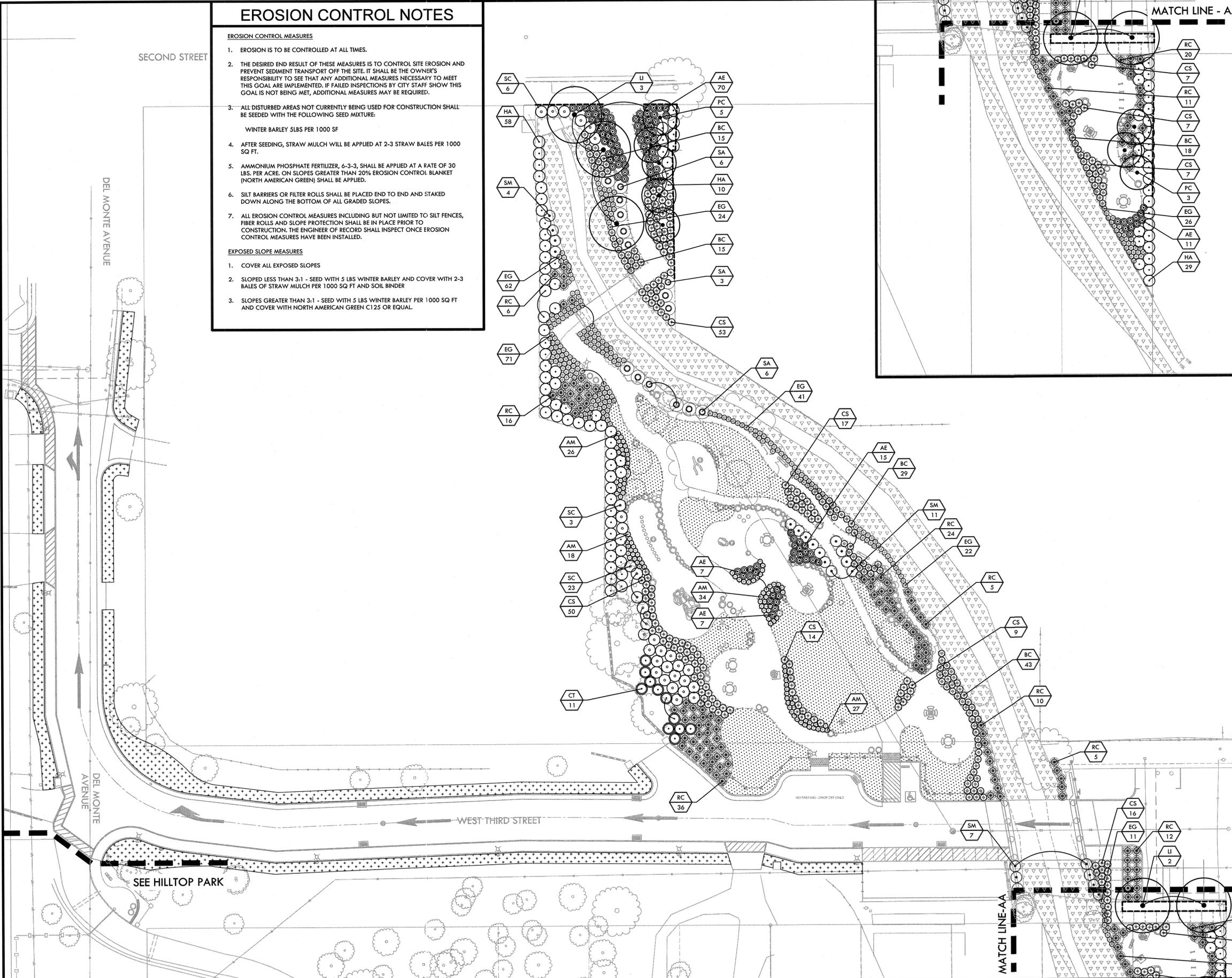
- CONTRACTOR SHALL PROTECT AND MAINTAIN ALL PLANT MATERIALS FROM TIME OF DELIVERY TO TIME OF FINAL ACCEPTANCE. OWNER SHALL NOT BE RESPONSIBLE FOR LOSSES DUE TO VANDALISM, THEFT OR SEVERE WEATHER.
- CONTRACTOR SHALL PLACE PLANT MATERIALS SO THEY DO NOT INTERFERE WITH IRRIGATION SYSTEM OR INHIBIT REQUIRED COVERAGE. PLANT LOCATIONS MAY BE ADJUSTED AS LONG AS DESIGN INTENT IS NOT COMPROMISED. CONTRACTOR SHALL SET OUT PLANT MATERIALS AS PER PLAN AND RECEIVE ACCEPTANCE FROM OWNER'S REPRESENTATIVE WITH RESPECT TO PLANT HEALTH AND LOCATION PRIOR TO INSTALLATION. CONTRACTOR SHALL GIVE MINIMUM 2 WORKING DAYS NOTICE FOR OBSERVATION AND SHALL HAVE ALL PLANT MATERIALS IN SPECIFIED LOCATIONS FOR REVIEW AT ONE TIME. CONTRACTOR SHALL REPLACE ANY MATERIAL AS REQUESTED BY OWNER'S REPRESENTATIVE.
- ALL NON-TURF PLANTING AREAS SHALL RECEIVE A 3" LAYER OF BARK MULCH TOP DRESS (UNLESS NOTED OTHERWISE). REFER TO SPECIFICATIONS.
- WHEN WORK HAS TO OCCUR UNDER THE DRIPLINE OF EXISTING TREES NOT SCHEDULED FOR REMOVAL, THE CONTRACTOR SHALL USE ALL POSSIBLE CARE TO AVOID INJURY TO THE TREES AND TREE ROOTS. GRADE IN LINES RADIAL TO THE EXISTING TREES RATHER THAN TANGENTIAL. ALL PARTIAL CUTS OR TEARS THROUGH ROOTS TWO INCHES IN DIAMETER AND LARGER SHALL BE CUT CLEAN. TRENCHES ADJACENT TO TREES SHALL BE FILLED WITHIN 24 HOURS AFTER EXCAVATION, BUT WHERE THIS IS NOT POSSIBLE, THE SIDE OF THE TRENCH ADJACENT TO THE TREE, AND ANY EXPOSED ROOTS SHALL BE KEPT SHADED AND MOIST WITH DAMPENED BURLAP OR CANVAS.
- ALL TURF AND PLANT PITS TO RECEIVE SOIL AMENDMENTS AND SOIL PREPARATION PER SPECIFICATIONS UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL REFER TO DETAILS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.

PLANTING LEGEND

SYM	QTY	SIZE	BOTANICAL/Common NAME	WUCOLS/SPACING/PF*	COMMENTS	DTL REF
TREES						
LI	5	24" BOX	LAGERSTROEMIA INDICA 'TUSCARORA' TUSCARORA CRAPE MYRTLE	L	AS SHOWN	(B) D3.2
PC	8	24" BOX	PRUNUS CERASIFERA 'KRAUTER VESUVIUS' PURPLE LEAF PLUM	M	AS SHOWN	(B) D3.2
SHRUBS AND GROUNDCOVERS						
AE	111	1 GAL	ARCTOSTAPHYLOS 'EMERALD CARPET' MANZANITA 'EMERALD CARPET'	L	3'-0" O.C.	(I) (E) D3.3 D3.2
AM	106	4" POTS	ACHILLEA MILLEFOLIUM YARROW	L	2'-0" O.C.	(I) (E) D3.3 D3.2
BC	116	4" POTS	BROMUS CARINATUS CALIFORNIA BROME	L	3'-0" O.C.	(I) (E) D3.3 D3.2
CT	11	5 GAL	CEANOTHUS THYRSIFLORUS BLUE BLOSSOM	L	5'-0" O.C.	(I) (E) D3.3 D3.2
CS	265	4" POTS	CONVOLVULUS CNEORUM BUSH MORNING GLORY	L	3'-0" O.C.	(I) (E) D3.3 D3.2
EG	191	4" POTS	ELYMUS GLAUCUS BLUE WILD RYE	L	2'-0" O.C.	(I) (E) D3.3 D3.2
HA	98	5 GAL	HETEROMELES ARBUTIFOLIA TOYON	L	5'-0" O.C.	(I) (E) D3.3 D3.2
RC	119	1 GAL	ROSA CALIFORNICA CALIFORNIA ROSE	L	4'-0" O.C.	(I) (E) D3.3 D3.2
SA	15	1 GAL	SYMPHORICARPOS ALBUS SNOWBERRY	L	5'-0" O.C.	(I) (E) D3.3 D3.2
SC	20	4" POTS	SALVIA CLEVELANDII CLEVELAND SAGE	L	5'-0" O.C.	(I) (E) D3.3 D3.2
SM	22	1 GAL	SAMBUCUS MEXICANA BLUE ELDERBERRY	L	5'-0" O.C.	(I) (E) D3.3 D3.2

- SOD GRASSES (AGROSTIS FALLENS - NATIVE BENTGRASS) - SEE SPECIFICATIONS
- NATIVE GRASSES - SEE EROSION CONTROL NOTES NO.3, THIS SHEET
- EXISTING NATIVE PLANTINGS AT CREEK BANK TO REMAIN AND BE PROTECTED
- ROOT BARRIER - REFER TO SPECIFICATIONS (A) D3.3

NOTES:
* PLANT FACTORS ARE BASED ON WUCOLS IV PLANT LIST.



NORTH

0' 10' 20' 40' 60'

REGISTERED LANDSCAPE ARCHITECT
No. 1148
EXPIRES: 12/31/2017
STATE OF CALIFORNIA

	WORK ACCEPTED: _____	INSPECTOR: _____	DRAWN: RK / JL	DESIGN: CMES	HOR: N/A	<p>City of Morgan Hill Public Works Department</p> <p>17575 Peak Ave. Morgan Hill, CA 95037 (408)778-6480, Fax (408)779-7236</p>	<p>LANDSCAPE ARCHITECTURE CIVIL ENGINEERING SPORT PLANNING & DESIGN</p> <p>2455 The Alameda, Ste. 200 San Jose, CA 95126 Tel: 408.955.7200 Fax: 408.966.7269 www.verdedesign.com</p>	<p>DEL MONTE AVE AND WEST 3RD STREET, MORGAN HILL, CA 95037</p>	<p>PLANTING PLAN</p> <p>LITTLE LLAGAS CREEK PARK</p>	FILE NUMBER: 1520400
			CHECKED: CMES / DM	DATE: 12/15/14	VERT: N/A					PRINT DATE: 12/07/16
NO.	DESCRIPTION	DATE	BY:	DATE:	JOB NUMBER: 135013					SHEET NUMBER: L9.1
Revisions										

BID DRAWINGS

MINIMUM SET WEIGHT

FRAME	165 LBS
COVER	150 LBS
TOTAL	315 LBS

NOTES:

- MANHOLE FRAME AND COVER SHALL BE SOUTH BAY FOUNDRY SBF-1254 OR AN APPROVED EQUAL WHICH MEETS MINIMUM SET WEIGHT.
- CASTING SHALL BE DIPPED IN ASPHALT PAINT.
- MINIMUM WEIGHT OF SET 315 LBS.
- CAST IRON SHALL CONFORM TO ASTM A 48 CLASS 35B.
- WHERE BOLT DOWN COVERS ARE CALLED FOR ON THE PLANS, ADD BOLTS TO FRAME (4 EA @ 90°), SEE DETAIL.
- MANUFACTURER SHALL CERTIFY MATERIAL WEIGHT AND DIMENSIONS.
- MANUFACTURER TO CERTIFY THAT FRAME AND COVER MEET ALL LOAD REQUIREMENTS FOR H-20 HIGHWAY LOADING.

DETAIL - SIDE PLY HOLE

DETAIL - NOTE 5

City of Morgan Hill Public Works Department
 Drawing No. SD-6
 Date: 4/1/96, 3/15/07
 City Engineer: Jim Caherstaff

NOTE:

- PRECAST CONCRETE PIPE SECTIONS, ADJUSTMENT RINGS AND TAPERED SECTIONS SHALL CONFORM TO CLASS II REINFORCED CONCRETE PIPE (ASTM C 478).
- ALL JOINTS SHALL JOINED WITH "FRAMEK" AND BE SMOOTHLY FINISHED WITH WATER PROOF MORTAR.
- THE USE OF MORE THAN 12" OF ADJUSTING RINGS TO CONFORM TO GRADE SHALL NOT BE PERMITTED.
- CONCENTRIC MANHOLES MAY BE USED WHEN A UTILITY CONFLICT OCCURS OR WHEN APPROVED BY THE CITY ENGINEER.
- ALL INCOMING LINES TO BE SET TO MATCH CROWNS WITH OTHER PIPES IN MANHOLE, OR AS DIRECTED BY THE CITY ENGINEER.

City of Morgan Hill Public Works Department
 Drawing No. SD-1
 Date: 4/1/96, 3/15/07
 City Engineer: Jim Caherstaff

NOTES:

- PIPE EMBEDMENT SHALL CONFORM TO THE PRACTICE RECOMMENDED FOR CLASS III MATERIAL (SAND) IN ASTM D 2321 "UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY-FLOW APPLICATIONS".
- SAND BEDDING, HAND PLACED AND COMPACTED TO 90% RELATIVE COMPACTION, 4" MIN. TO 6" MAX.
- HAUNCHING, HAND PLACED AND COMPACTED TO 90% RELATIVE COMPACTION TO SPRING LINE OF PIPE.
- INITIAL BACKFILL, INSTALL AND COMPACT TO A MINIMUM OF 6" ABOVE PIPE CROWN.
- 1.5 SACK CEMENT SLURRY BACK FILL. CEMENT SLURRY BACKFILL TO BE CURED PER MANUFACTURERS REQUIREMENTS PRIOR TO PAVING.
- SAW CUT EXISTING PAVEMENT, ALL VERTICAL EDGES SHALL BE TACKED PRIOR TO PAVING.
- 1 1/2" AC (1/2" TYPE B).
- SURFACE SHALL BE FOG SEALED AFTER PAVING. EXISTING ROADWAY SURFACE SHALL BE REPLACED IN KIND (OIL & SCREENED, SLURRY SEAL, ETC.)
- IF DISTANCE IS LESS THAN 3 FEET, PAVEMENT RESTORATION SHALL EXTEND TO LIP OF GUTTER.

City of Morgan Hill Public Works Department
 Drawing No. U-2
 Date: 4/1/96, 3/15/07
 City Engineer: Jim Caherstaff

MANHOLES

Manhole bases shall be cast in place. Precast bases may be used if approved by the City Engineer. Manholes shall be waterproofed by grouting and/or painting the interior with sodium silicate or other approved waterproofing.

INLETS

Unreinforced inlets shall be cast in place with class "A" concrete. Pre-cast inlet structures may be used subject to approval of the City Engineer. All fabricated steel shall be hot dipped galvanized after fabrication.

WORK IN DRAINAGE DISTRICT RIGHT OF WAY

All rip-rap structures, cut off walls, out fall structures, inlet structures, etc., shall be done in accordance with all applicable standards of the Santa Clara Valley Water District (SCVWD). An encroachment permit must be obtained from SCVWD prior to commencement of any work.

Contractor must provide a Letter of Acceptance, or a copy of a signed-off encroachment permit from SCVWD prior to the acceptance of the entire project.

Permits from other state and local agencies may be required.

City of Morgan Hill Public Works Department
 Drawing No. SD-II
 Date: 4/1/96
 City Engineer: Jim Caherstaff

G STORM DRAIN MANHOLE FRAME AND COVER

E STORM DRAIN MANHOLE

C TRENCH RESTORATION/BACKFILL (W. LESS THAN 18")

NOTES:

- LARGER SIZE INLETS MAY BE REQUIRED AS INDIVIDUAL PROJECT DESIGN DICTATES.
- DIMENSIONS SHALL BE SAME AS CURB INLET (SD-5), IF DROP INLET IS TO BE USED AS A FUTURE CURB INLET.

City of Morgan Hill Public Works Department
 Drawing No. SD-4
 Date: 4/1/96, 8/6/98
 City Engineer: Jim Caherstaff

NOTES:

- PIPE EMBEDMENT SHALL CONFORM TO THE PRACTICE RECOMMENDED FOR CLASS III MATERIAL (SAND) IN ASTM D 2321 "UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY-FLOW APPLICATIONS".
- SAND BEDDING, HAND PLACED AND COMPACTED TO MIN. 90% RELATIVE COMPACTION, 4" MIN. TO 6" MAX.
- HAUNCHING; HAND PLACED AND COMPACTED SAND TO MIN. 90% RELATIVE COMPACTION TO SPRING LINE OF PIPE.
- INITIAL SAND BACKFILL, INSTALL AND COMPACT TO A MINIMUM OF 6" ABOVE PIPE CROWN (12" MIN. FOR NATIVE).
- 100% CLASS 2 AGGREGATE BASE ROCK BACKFILL COMPACTED IN LIFTS TO 95% RELATIVE COMPACTION. FLOODING OR JETTING SHALL ONLY BE ALLOWED UPON CITY ENGINEER APPROVAL. NATIVE BACKFILL MAY BE USED DURING THE CONSTRUCTION OF NEW STREETS ONLY AND SHALL BE USED ONLY UPON APPROVAL OF THE CITY ENGINEER AND UPON THE RECOMMENDATION OF A QUALIFIED SOILS ENGINEER/SOILS REPORT.
- SAW CUT EXISTING PAVEMENT, ALL VERTICAL EDGES SHALL BE TACKED PRIOR TO PAVING.
- 8" (MIN) CLASS 2 AGGREGATE BASE ROCK, COMPACTED TO 95% RELATIVE COMPACTION.
- AT THE DISCRETION OF THE PROJECT INSPECTOR, THE EXISTING BASE ROCK MAY REMAIN FOR THIS TRENCH WIDTH PROVIDED THAT THE BASE ROCK IS COMPACTED AND IS NOT CONTAMINATED.
- MATCH EXIST. AC SECTION OR 6" MIN. IN 2 LIFTS. BASE COURSE TO BE 3/4" TYPE B AC, AND SURFACE COURSE TO BE 1/2" TYPE B AC.
- SURFACE SHALL BE FOG SEALED AFTER PAVING. EXISTING ROADWAY SURFACE SHALL BE REPLACED IN KIND.
- IF DISTANCE IS LESS THAN 3 FEET, PAVEMENT RESTORATION SHALL EXTEND TO LIP OF GUTTER.

City of Morgan Hill Public Works Department
 Drawing No. U-3
 Date: 4/1/96, 3/15/07
 City Engineer: Jim Caherstaff

NOTES:

- (A) DISTANCE WILL VARY BASED UPON FIELD CONDITIONS, AND SOILS REPORT RECOMMENDATIONS.
- (B) PIPE EMBEDMENT SHALL CONFORM TO THE PRACTICE RECOMMENDED FOR CLASS III MATERIAL (SAND) IN ASTM D 2321 "UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY-FLOW APPLICATIONS".
- SAND BEDDING, HAND PLACED AND COMPACTED TO MIN. 90% RELATIVE COMPACTION, 4" MIN. TO 6" MAX.
- HAUNCHING; HAND PLACED AND COMPACTED TO MIN. 90% RELATIVE COMPACTION TO SPRING LINE OF PIPE.
- INITIAL BACKFILL, INSTALL AND COMPACT TO A MINIMUM OF 6" ABOVE PIPE CROWN (12" MIN. FOR NATIVE).

City of Morgan Hill Public Works Department
 Drawing No. U-1
 Date: 4/1/96
 City Engineer: Jim Caherstaff

STORM DRAIN SECTION

All Storm Drains shall be constructed in accordance with the City of Morgan Hill Standard Details and designed in accordance with the City of Morgan Hill Design Standards, the Standard Specifications, State of California, Department of Transportation, Caltrans (CSS), and the Santa Clara Valley Water District (SCVWD). Materials shall conform to the American Society for Testing and Materials (ASTM), and the American National Standards Institute (ANSI), except as modified herein.

Main line storm drains shall be Class 3 R.C.P., or C.M.P. (upon approval of the City Engineer), and have no less than 30" cover from finished grade. Laterals shall be Class 3 R.C.P. (15" min.), and have no less than 24" cover from finished grade.

All R.C.P. shall be Class 3, bell and spigot, rubber gasketed, push on pipe. Tongue and groove, mortared joint pipe will not be allowed. Class 4 or Class 5 R.C.P. may be required when loading conditions vary.

After all backfill, testing and pavement restoration has been completed, the contractor shall clean and flush all storm drain mains, laterals, inlets and man holes, prior to acceptance.

TESTING (if required by the City Engineer)

If the City suspects any damage or breaks in the line, the storm drain may be subject to television inspection and/or required to pass a leakage test. The contractor shall furnish all labor, equipment, and materials needed to perform the test. A televised inspection may be required within the one year warranty period at the contractor's expense. All defects discovered in this inspection shall be corrected by the contractor at his expense.

If the City requires a leakage test on solid line, the test shall be a hydrostatic water test in accordance with CSS Section 65-1.08.

TYPES OF STORM DRAIN MAIN

REINFORCED CONCRETE PIPE (R.C.P.)

Reinforced Concrete Pipe (15" Min.), shall be in conformance with ASTM C 76 Class 3 and CSS Section 65, bell and spigot ends with rubber gasket joints.

CORRUGATED METAL PIPE (C.M.P.)

Corrugated Metal Pipe shall be in accordance with CSS Section 66 and used only upon City Engineer approval.

CAST-IN-PLACE-PIPE (C.I.P.P.)

Cast-in-Place-Pipe (concrete) shall be in accordance with CSS Section 63 and used only upon City Engineer approval.

City of Morgan Hill Public Works Department
 Drawing No. SD-I
 Date: 4/1/96
 City Engineer: Jim Caherstaff

F DROP INLET

City of Morgan Hill Public Works Department
 Drawing No. SD-4
 Date: 4/1/96, 8/6/98
 City Engineer: Jim Caherstaff

D TRENCH RESTORATION/BACKFILL (W. GREATER THAN 18")

City of Morgan Hill Public Works Department
 Drawing No. U-3
 Date: 4/1/96, 3/15/07
 City Engineer: Jim Caherstaff

B TRENCH BEDDING

City of Morgan Hill Public Works Department
 Drawing No. U-1
 Date: 4/1/96
 City Engineer: Jim Caherstaff

A STORM DRAIN SECTION GENERAL NOTES

City of Morgan Hill Public Works Department
 Drawing No. SD-I
 Date: 4/1/96
 City Engineer: Jim Caherstaff

F DROP INLET

D TRENCH RESTORATION/BACKFILL (W. GREATER THAN 18")

B TRENCH BEDDING

A STORM DRAIN SECTION GENERAL NOTES

NO.	DESCRIPTION	DATE	BY	DATE

Revisions

WORK ACCEPTED:	INSPECTOR:	DRAWN: RK / JL	DESIGN: CMES	HOR: N/A
CHECKED: CMES / DM		DATE: 12/15/06		
APPROVED: [Signature]		DATE: 12/15/06		
KARL D. BLUMKE - CITY ENGINEER				

City of Morgan Hill Public Works Department
 17575 Peak Ave. Morgan Hill, CA 95037 (408)778-6480, Fax (408)779-7236

VERDE DESIGN
 LANDSCAPE ARCHITECTURE
 CIVIL ENGINEERING
 SPORT PLANNING & DESIGN
 2455 The Alameda, Ste. 200
 Santa Clara, CA 95050
 tel: 408.985.7200
 fax: 408.985.7200
 www.verdedesign.com

DEL MONTE AVE AND WEST 3RD STREET, MORGAN HILL, CA 95037

DRAINAGE DETAILS

LITTLE LLAGAS CREEK PARK

FILE NUMBER: 1520400
 PRINT DATE: 12/07/16
 SHEET NUMBER: D11

REGISTERED LANDSCAPE ARCHITECT
 No. 4117
 EXPIRATION DATE: DEC. 2017
 STATE OF CALIFORNIA

BID DRAWINGS

DECOMPOSED GRANITE PAVING

NOTE: FIRST LAYER OF D.G. SHALL BE COMPACTED BEFORE INSTALLATION OF SECOND LAYER.

City of Morgan Hill Public Works Department Jim Oberknecht CITY ENGINEER 4/1/96 DATE REVISED	GENERAL NOTES	DRAWING NO. G-I
--	----------------------	---------------------------

STREET SECTION

GENERAL
All work shall be in accordance with the latest edition of Standard Specifications, State of California, Department of Transportation, Caltrans (CSS) and the American Society for Testing and Materials (ASTM), except as modified herein.

SUBGRADE
(a) **Preparation.** Special care shall be taken by the contractor to achieve an evenly compacted subgrade. The relative compaction shall be 95%, as determined by CSS TM-231, for at least the top 8" of subgrade. In areas of fill, a minimum of 24" from finished grade shall be compacted to 95% relative compaction. Moisture-Density curve determinations shall conform to ASTM D1557.

PAVEMENT
(a) **Asphalt Concrete Pavement.** Asphalt concrete pavement shall contain the number of lifts specified. In the case of two lifts, the first shall be the base course, Type B, 3/4 inch maximum aggregate size, and the second lift shall be the surface course, Type B, 1/2 inch maximum aggregate size, as specified in CSS Section 39. The relative compaction of each asphalt concrete lift shall be 95%, unless approved otherwise by the City Engineer.
(b) **Aggregate Base.** Aggregate base shall be 3/4" max. Class 2 aggregate base as specified in CSS Section 26.
(c) **Aggregate Sub-base.** Aggregate sub-base shall be 1 1/2" max. Class 2 aggregate base, as specified in CSS Section 26.
(d) **Contaminated Base.** Any aggregate base that becomes contaminated during construction shall be removed and replaced with uncontaminated Class 2 Aggregate Base.
(e) **Lime Stabilized Subgrade.** Lime stabilized subgrade shall only be used upon approval of the City Engineer and shall be constructed in accordance with CSS Section 24. An increase in the lime content must be approved by the City Engineer.
(f) **Proportioning, Mixing, Spreading, and Compacting.** The proportioning, mixing, spreading and compacting of asphalt concrete to make up asphalt pavement, shall be in accordance with CSS Section 39.
(g) **Priming.** Untreated aggregate base shall be primed with MC-70, in accordance with CSS Section 39-4.02.
(h) **Tackling.** Any vertical edge adjoining new pavement courses shall be tacked with SS-1 prior to placement of pavement course, in accordance with CSS Section 39-4.02.
(i) **Fog Sealing.** The asphalt surface shall be fog sealed with SS-1 when specified and conform to CSS Section 37.

City of Morgan Hill Public Works Department Jim Oberknecht CITY ENGINEER 4/1/96 DATE REVISED	GENERAL NOTES	DRAWING NO. A-I
--	----------------------	---------------------------

CONCRETE
(a) **Cement.** All cement shall conform to the specifications and tests for Portland Cement, ASTM Specifications C-150, and shall be Type 2.
(b) **Fine aggregate.** Fine aggregate shall be clean, natural sand or sand prepared from stone or gravel and shall conform to the requirements of ASTM C-33, and CSS Section 90-2.02B.
(c) **Coarse Aggregate.** Coarse aggregate shall consist of material conforming to the requirements of ASTM C-33, and shall be in accordance with CSS Section 90-2.02A.
(d) **Water.** Water used in making concrete shall be clean, free from oil, alkali, acid, organic matter, or other deleterious substances. Water shall be in accordance with CSS Section 90-2.03.
(e) **Admixtures.** No admixtures will be allowed except as approved by the City Engineer on a job by job basis. Such usage may only be for the purpose of increasing plasticity. No decrease in cement content shall be permitted as a result of the use of such admixtures. No other admixtures shall be added to the concrete mix. The use of admixtures, if approved by the City Engineer, shall be in accordance with CSS Section(s) 90-4.03 and 90-4.04.
(f) **Workmanship and Methods.** Unless specifically covered elsewhere in these details, all concrete work, including detailing of reinforcing, shall be equal to the best general practice and as set forth in the ACI Building Code, Manuals and Recommended Practices.
(g) **Classes of Concrete.** Concrete shall consist of two classes, herein referred to as Class 2 and Class 3, as specified in CSS Section 90. Class 2 concrete shall be used in all retaining walls, box culverts, and wherever specified in the plans and specifications. At a minimum, Class 3 concrete shall be used for driveway approaches, sidewalks, curb and gutters, thrust blocks, and miscellaneous construction items such as pipe encasements. No mixture shall produce less than 3,000 psi (at 28 days) with maximum water/cement ratio of 0.5.

City of Morgan Hill Public Works Department Jim Oberknecht CITY ENGINEER 4/1/96 DATE REVISED	GENERAL NOTES	DRAWING NO. A-II
--	----------------------	----------------------------

(h) **Pneumatically Placed Mortar.** Materials used in Gunite, Shotcrete, Mortar, etc., applied directly to a surface by air jet, shall be in accordance with CSS Section 53 and Section 90, irrespective of manufacture of the mixing and placing apparatus.
(i) **Proportioning and Mixing.** All proportioning and mixing methods, devices, and transporting, shall be in accordance with CSS Section(s) 90-5 and 90-6.
(j) **Workability.** Concrete shall be of such consistency that it can be worked readily into the corners and angles of the forms and around the reinforcement without excessive spading and does not permit material segregation or bleeding of water.
(k) **Field Tests.** During the progress of construction, the inspector has the authority to order tests to determine whether the concrete, as being produced, complies with the standards of quality specified. These tests shall be made in accordance with ASTM C 31 and ASTM C 39. For all concrete, the standard age for the test shall be 7 days. Slump tests shall be in accordance with ASTM C 143.

EMERGENCY ACCESS SURFACING
Contractor shall be responsible for providing an "All Weather Surface" to any existing structure and/or structures under construction within the project area. For structures under construction, the required surface shall be in place prior to the commencement of any wood framing.
The required "All Weather Surface" shall consist of 6" min. thickness, Class 2 Aggregate Base rock, compacted to a relative compaction of 95%. The contractor shall be responsible for removal of any contaminated base rock prior to finish grading.
The Building Division will issue a "Foundation Only" permit and shall not issue a permit for wood framing unless the following requirements are met:
1. All new water mains are charged, pressure tested, bacteria tested and approved by the Department of Public Works. All fire hydrants within 500' of new construction are charged and operational.
2. All sub-grade is compacted to a relative compaction of 95%, tested and approved by the Department of Public Works.
3. Central Fire District has approved the proposed surface location and has visited the site after construction of the surface, but prior to issuance of Building permits for wood framing.

City of Morgan Hill Public Works Department Jim Oberknecht CITY ENGINEER 4/1/96 DATE REVISED	GENERAL NOTES	DRAWING NO. A-III
--	----------------------	-----------------------------

E DECOMPOSED GRANITE

C STREET SECTION GENERAL NOTES

GENERAL SECTION

CONSTRUCTION WITHIN CITY RIGHT-OF-WAY
No person or contractor shall do or cause to be done any improvement or encroachment work of any kind in any public right-of-way within the City without first having obtained an encroachment permit from the Public Works Department.
Developers shall arrange for a pre-construction meeting with the City Engineer (Municipal Code 17.32.250b) prior to commencing any construction. An encroachment permit shall be obtained from the Public Works Department upon completion of said meeting and prior to construction of any improvements within an existing or offered for dedication right-of-way, public utility easement or public service easement.
Contractor shall notify the Public Works Department 48 hours prior to commencement of any work phase. At that time an "Inspection Request Form" shall be completed to ensure proper scheduling of an inspection with the City Engineer's Representative.
Contractor shall not destroy existing permanent survey monuments; whether property corners or street centerline monuments.
All work shall conform to the latest edition of the City of Morgan Hill Standard Details for Construction. Deviations from the Standard Details must be approved by the City Engineer.
Contractor shall only use equipment provided with a spark arrester device to reduce a potential fire hazard.

ON-SITE CONSTRUCTION
A grading permit shall be obtained from the City of Morgan Hill Building Division prior to any grading of building pads. Applicant for the grading permit shall provide a plan review letter from the Soils Engineer. A grading permit does not give contractor permission to commence off-site (street) grading. Only upon City approval of the improvement plans and completion of a pre-construction meeting, shall contractor commence off-site grading.
Contractor shall preserve all surrounding property by confining operations to within the "Limits of Work". Contractor shall be responsible for maintaining access for all adjoining residents, places of business, and properties at all times and in a safe manner. Contractor shall make proper notification at least 24 hours in advance of any interruption in access or service to the above property owners as well as to the City Engineer's Representative.

RIGHT OF MODIFICATION
Approval of an improvement plan does not release owner/subdivider of the responsibility for correction of mistakes, errors, or omissions, contained within the plans. If during the course of construction, public interest requires a modification of or a departure from the improvement plans or these Standard Details for Construction, the City Engineer shall have the authority to require such modifications and departures and to specify the manner in which the same is to be made.

City of Morgan Hill Public Works Department Jim Oberknecht CITY ENGINEER 4/1/96 DATE REVISED	GENERAL NOTES	DRAWING NO. G-I
--	----------------------	---------------------------

OFF-SITE WATER AND DUST CONTROL
Contractor shall provide a water truck onsite at all times. Contractor will be allowed to draw water from the City of Morgan Hill Water Distribution System only after obtaining a hydrant meter from the Public Works Department and an inspection of the water truck for a proper backflow device or "air-gap" filling pipe. Developer has paid for "off-site" construction water which shall not be used for building construction. Contractor shall keep down dust from construction activity to the maximum extent possible. Contractor shall clean all existing streets, curbs, gutters, and sidewalks affected by the project at the end of each working day.

MATERIAL STORAGE
No material shall be stored near the edge of pavement, 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 arterial street. Contractor shall provide all necessary traffic control in accordance with the latest edition of CALTRANS "Manual of Warning Signs, Lights, and Devices for Use in Performance of Work Upon Highways" while working within the public right-of-way. Two traffic lanes (10' min.), shall be open to vehicular traffic during all hours, weekends, and holidays. One lane one way traffic, may be permitted under the control of not less than 2 (two) competent flagmen during construction operations. Street closures and detours shall only take place upon City Engineer approval and Police Department coordination.

City of Morgan Hill Public Works Department Jim Oberknecht CITY ENGINEER 4/1/96 DATE REVISED	GENERAL NOTES	DRAWING NO. G-II
--	----------------------	----------------------------

P.C.C. WALKWAY NEW WALK TO EXISTING CONNECTION

NOTE:
1. DRILL & EPOXY DOWEL INTO EX. P.C.C. & GREASE OTHER HALF BEFORE POURING.

City of Morgan Hill Public Works Department Jim Oberknecht CITY ENGINEER 8/6/98 DATE REVISED	P.C.C. WALKWAY NEW WALK TO EXISTING CONNECTION	DRAWING NO. L-26
--	---	----------------------------

CONCRETE CURB AND GUTTER

NOTES:
1. A DEEP SCORE JOINT AT EVERY 10' (1/4" X 1 1/4" MIN.) AND A FELT SEPARATOR AT EVERY 60' (1/2" SHALL BE INSTALLED FOR ALL GUTTER TYPES).
2. TYPE 3 (TEMPORARY) EXTRUDED CURB SHALL ONLY BE USED UPON WRITTEN APPROVAL BY THE CITY ENGINEER.

City of Morgan Hill Public Works Department Jim Oberknecht CITY ENGINEER 4/1/96 DATE REVISED	CONCRETE CURB AND/OR GUTTER TYPES	DRAWING NO. A-3
--	--	---------------------------

City of Morgan Hill Public Works Department Jim Oberknecht CITY ENGINEER 4/1/96 DATE REVISED	GENERAL NOTES	DRAWING NO. G-I
--	----------------------	---------------------------

City of Morgan Hill Public Works Department Jim Oberknecht CITY ENGINEER 4/1/96 DATE REVISED	GENERAL NOTES	DRAWING NO. G-II
--	----------------------	----------------------------

City of Morgan Hill Public Works Department Jim Oberknecht CITY ENGINEER 8/6/98 DATE REVISED	P.C.C. WALKWAY NEW WALK TO EXISTING CONNECTION	DRAWING NO. L-26
--	---	----------------------------

City of Morgan Hill Public Works Department Jim Oberknecht CITY ENGINEER 4/1/96 DATE REVISED	CONCRETE CURB AND/OR GUTTER TYPES	DRAWING NO. A-3
--	--	---------------------------

D GENERAL TRAFFIC NOTES

NO.	DESCRIPTION	DATE	BY	DATE

Revisions

B P.C.C. NEW WALKWAY TO EXISTING CONNECTION

WORK ACCEPTED: _____ INSPECTOR: _____ DRAWN: RK / JL DESIGN: CMES HOR: N/A CHECKED: CMES / DM VERT: N/A APPROVED: <i>[Signature]</i> DATE: 12/15/16 JOB NUMBER: 135013 KARI D. BLANKENHORN CITY ENGINEER REC 38416 EXP 12/31/2017	City of Morgan Hill Public Works Department 17575 Peak Ave. Morgan Hill, CA 95037 (408)778-6480, Fax (408)779-7236
---	--

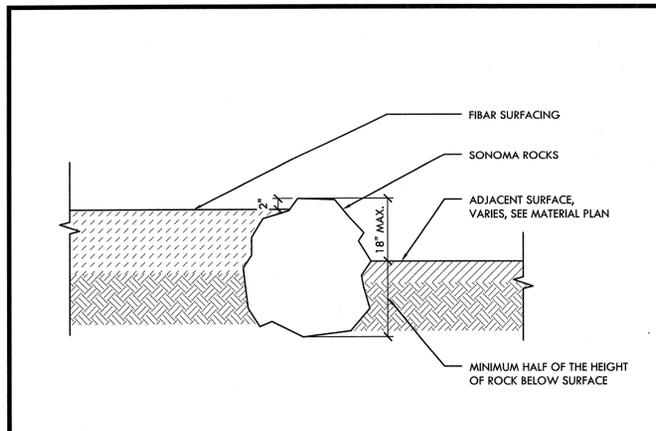
A CONCRETE CURB AND GUTTER

LANDSCAPE ARCHITECTURE CIVIL ENGINEERING SPORTS PLANNING & DESIGN 2455 The Alameda, Ste. 200 Santa Clara, CA 95050 tel: 408.985.7200 fax: 408.985.7200 www.verdedesign.com	DEL MONTE AVE AND WEST 3RD STREET, MORGAN HILL, CA 95037
---	--

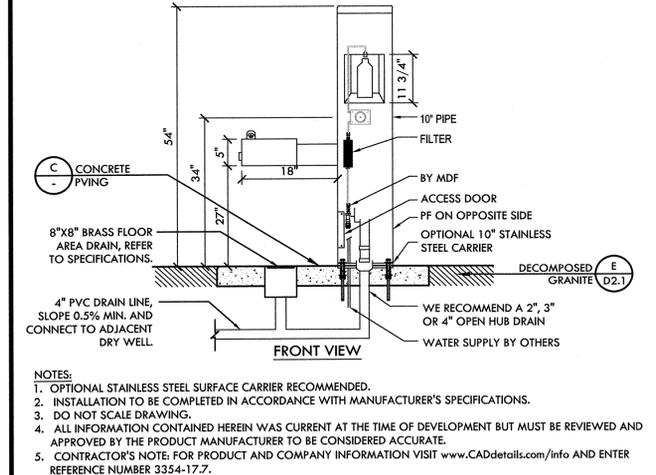
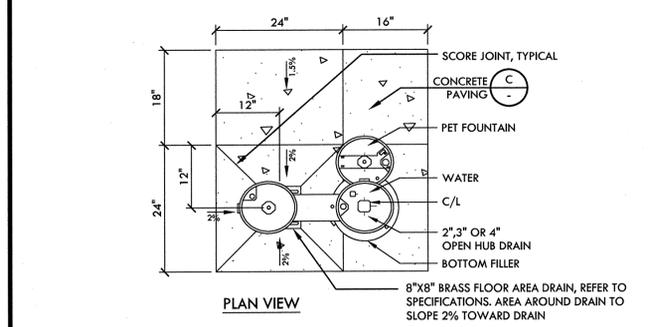
CONSTRUCTION DETAILS LITTLE LLAGAS CREEK PARK

FILE NUMBER: 1520400 PRINT DATE: 12/07/16 SHEET NUMBER: D21	REGISTERED LANDSCAPE ARCHT. No. 1143 STATE OF CALIFORNIA EXPIRATION DATE: DEC. 2017
---	---

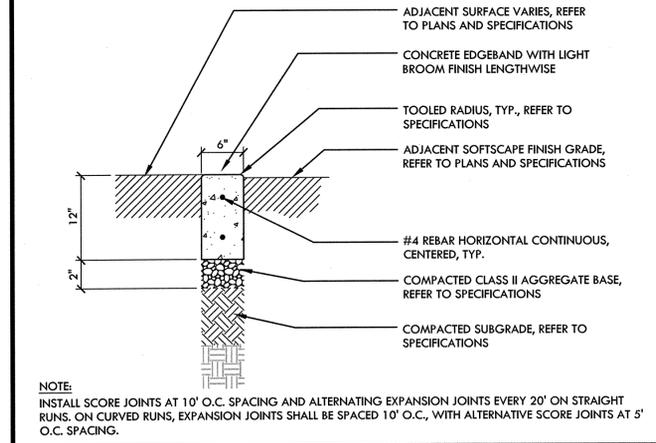
BID DRAWINGS



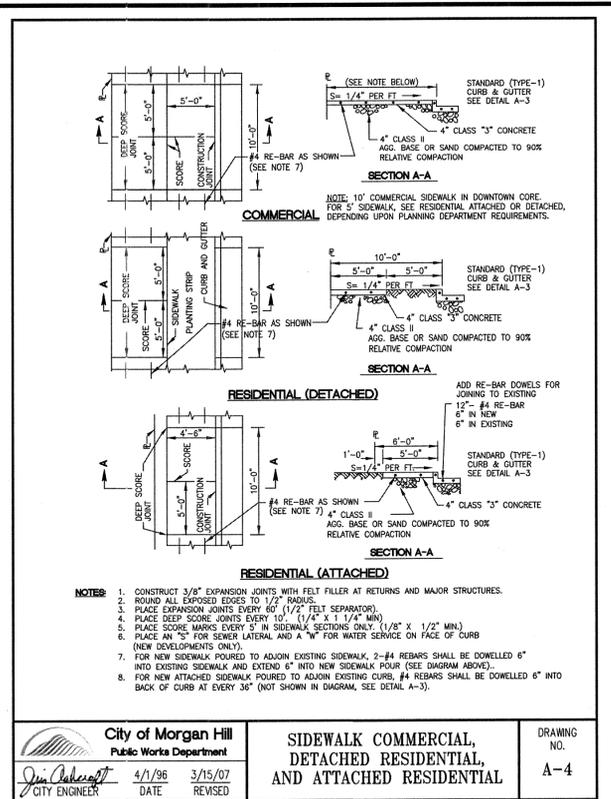
M SONOMA ROCKS NTS



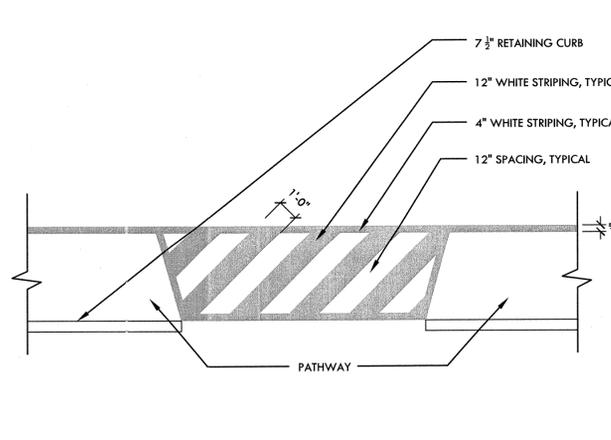
L DRINKING FOUNTAIN, WATER BOTTLE FILLING STATION AND PET STATION NTS



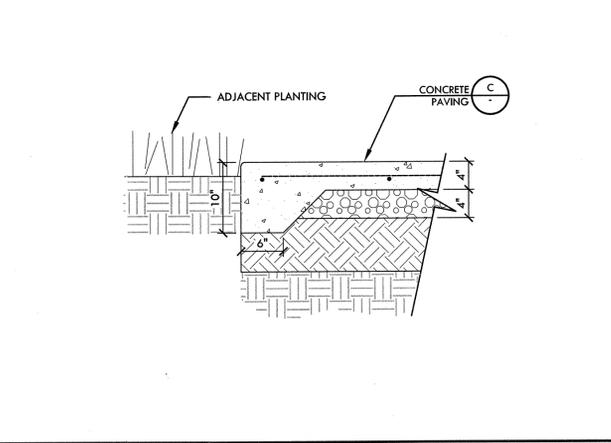
K 6" CONCRETE EDGEBAND NTS



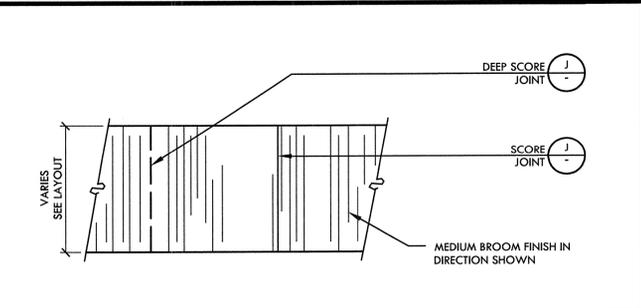
J SIDEWALK COMMERCIAL AND RESIDENTIAL NTS



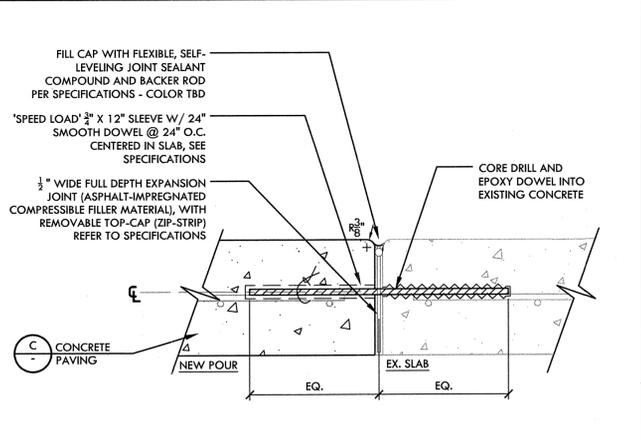
I PATHWAY STRIPING - TYPICAL NTS



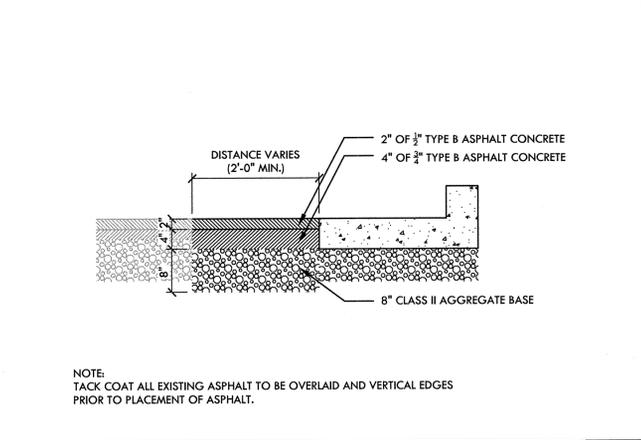
H CONCRETE EDGE AT LANDSCAPE NTS



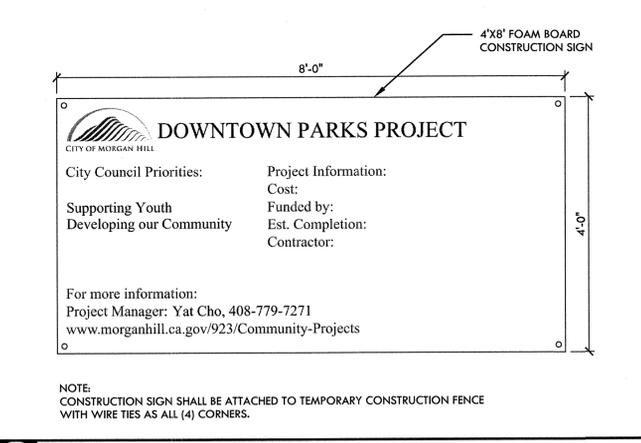
G CONCRETE PAVING FINISH NTS



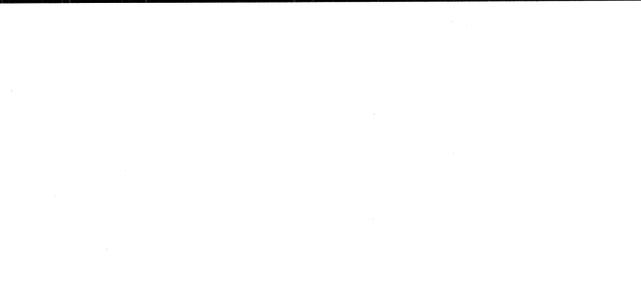
F DOWEL JOINT NTS



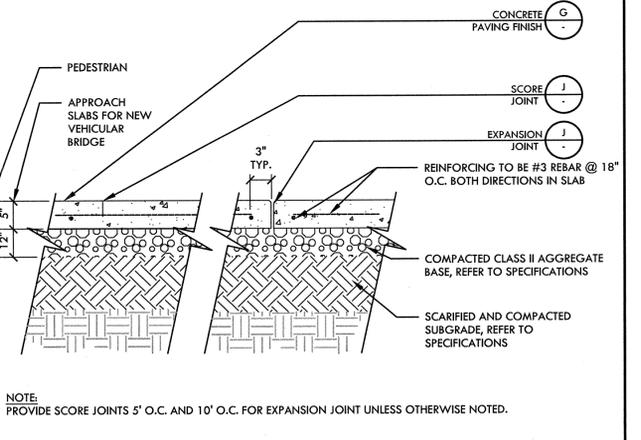
E PAVEMENT TRANSITION NTS



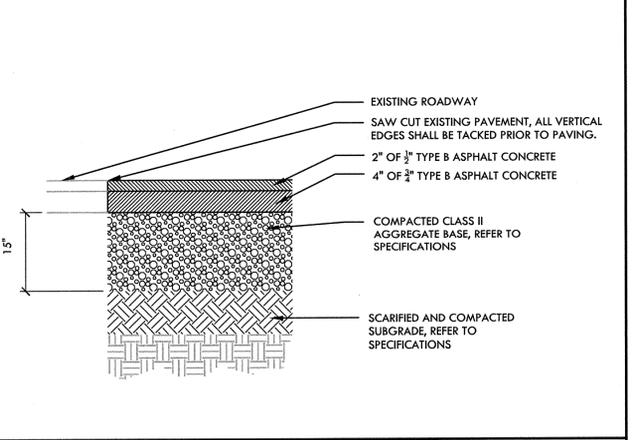
D CONSTRUCTION SIGN NTS



C CONCRETE PAVING NTS



B ASPHALT PAVING - VEHICULAR NTS



A ASPHALT PAVING - PEDESTRIAN NTS

NO.	DESCRIPTION	DATE	BY	DATE
Revisions				

DRAWN: RK / JL	DESIGN: CMES	HOR: N/A
CHECKED: CMES / DM	VERT: N/A	
APPROVED: [Signature]	DATE: 12/15/16	JOB NUMBER: 135013

City of Morgan Hill Public Works Department

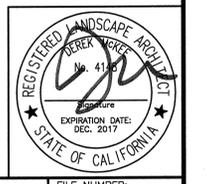
17575 Peak Ave. Morgan Hill, CA 95037 (408)778-6480, Fax (408)779-7236

CONSTRUCTION AND SITE FURNISHING DETAILS

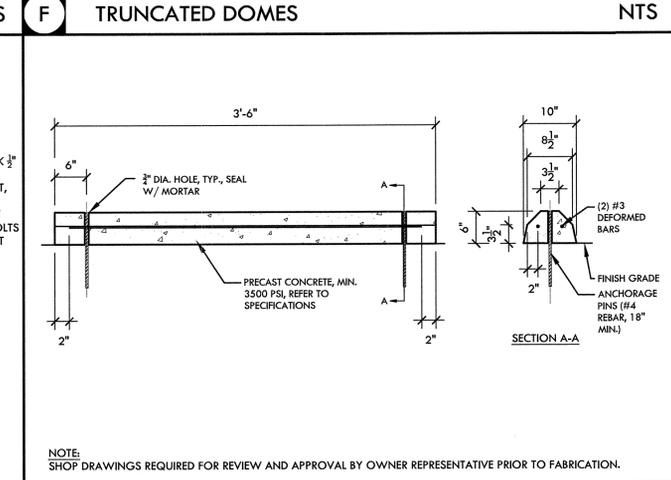
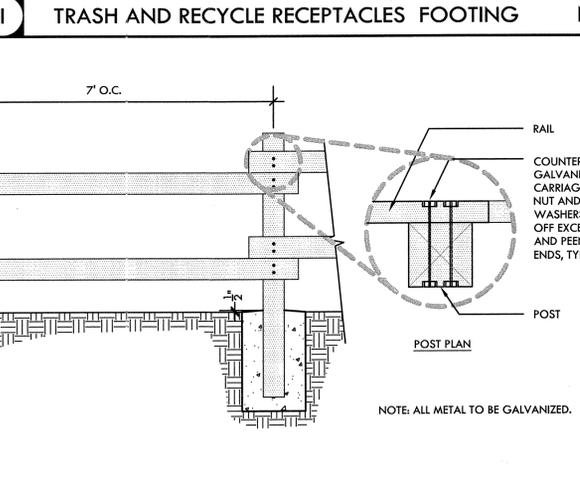
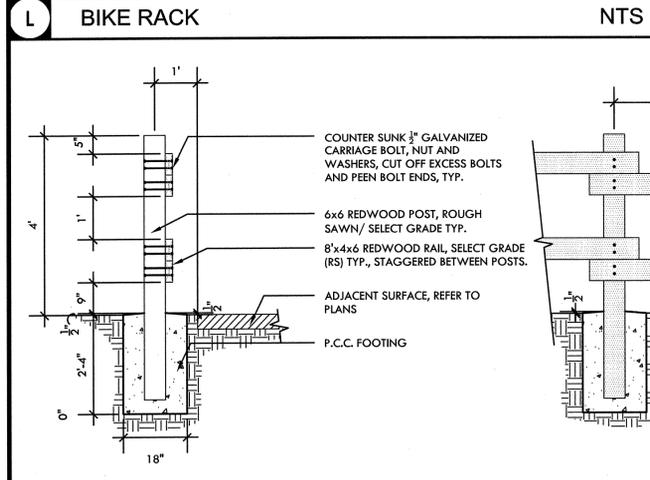
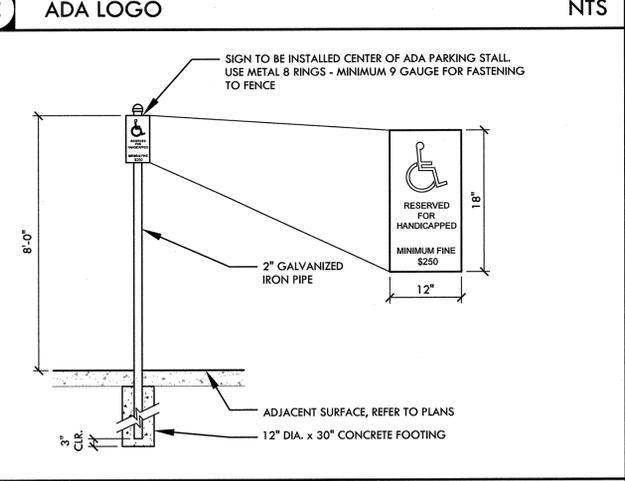
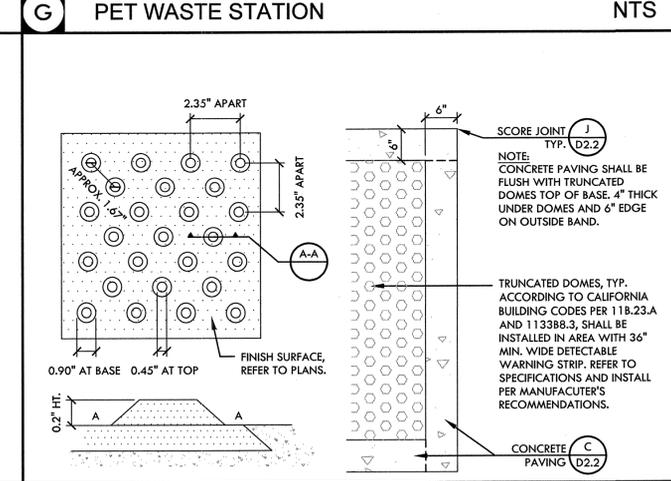
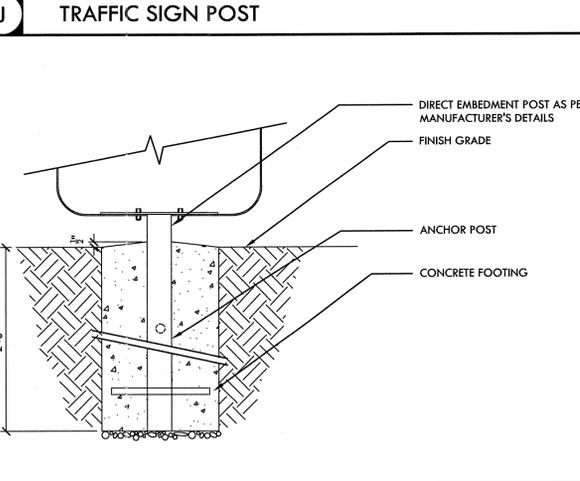
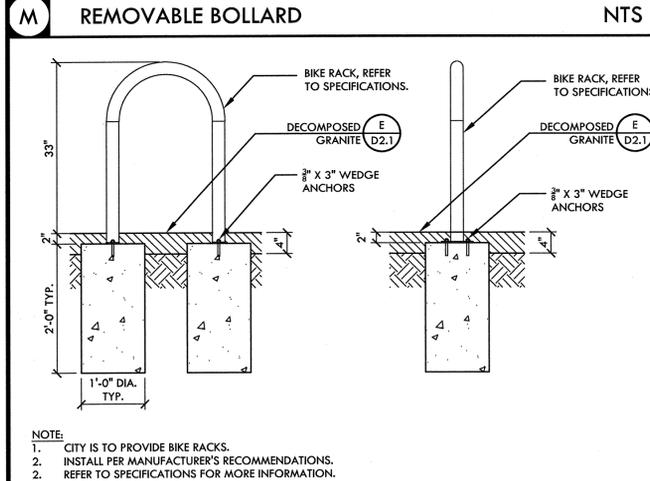
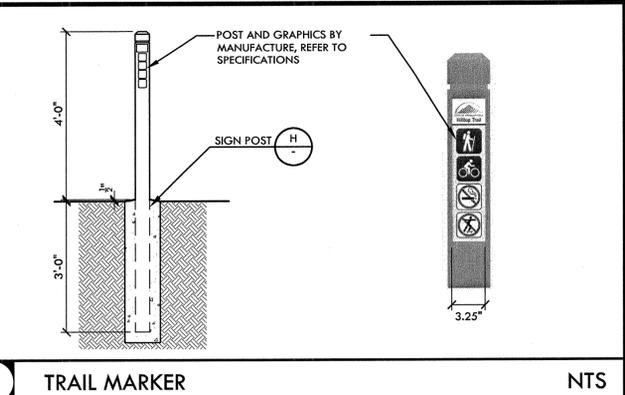
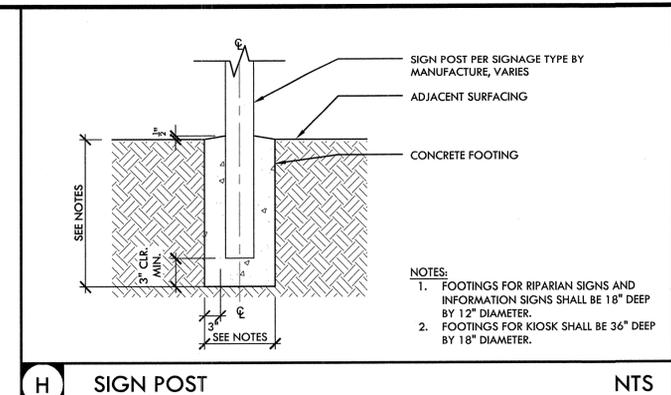
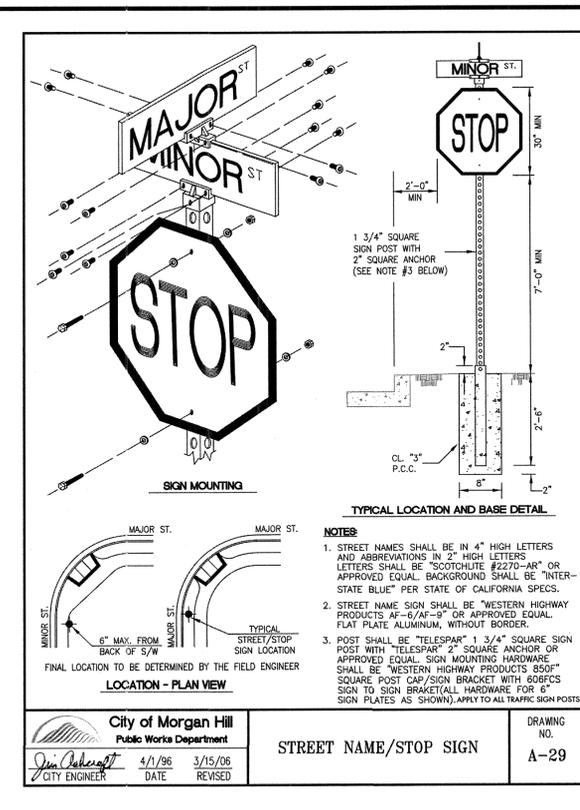
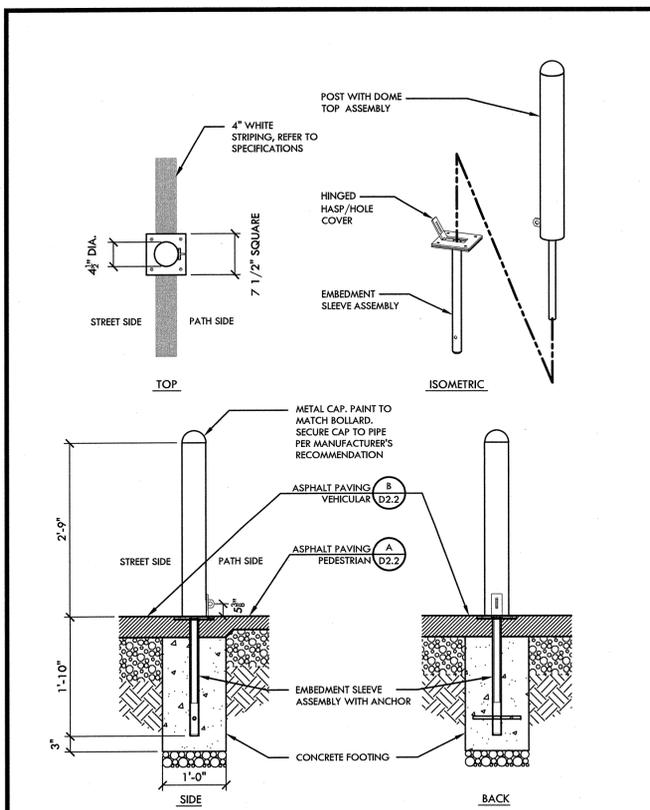
LITTLE LLAGAS CREEK PARK

DEL MONTE AVE AND WEST 3RD STREET, MORGAN HILL, CA 95037

FILE NUMBER: 1520400
 PRINT DATE: 12/07/16
 SHEET NUMBER: D2.2



BID DRAWINGS



NO.	DESCRIPTION	DATE	BY	DATE
Revisions				

WORK ACCEPTED:	INSPECTOR:	DRAWN: RK / JL	DESIGN: CMES	HOR: N/A
CHECKED: CMES / DM		APPROVED: <i>[Signature]</i>	DATE: 12/15/16	JOB NUMBER: 135013
KARL D. BLARKE - CIVIL ENGINEER RCE 39418 EXP. 12/31/2017				

City of Morgan Hill Public Works Department

17575 Peak Ave. Morgan Hill, CA 95037 (408)778-6480, Fax (408)779-7236

VERDE DESIGN

LANDSCAPE ARCHITECTURE
CIVIL ENGINEERING
SPORTS PLANNING & DESIGN

2455 The Alameda, Ste. 200
San Jose, CA 95056
tel: 408.985.7200
fax: 408.985.7200
www.verdedesign.com

DEL MONTE AVE AND WEST 3RD STREET, MORGAN HILL, CA 95037

SITE FURNISHING AND FENCING DETAILS

LITTLE LLAGAS CREEK PARK

REGISTERED LANDSCAPE ARCHITECT

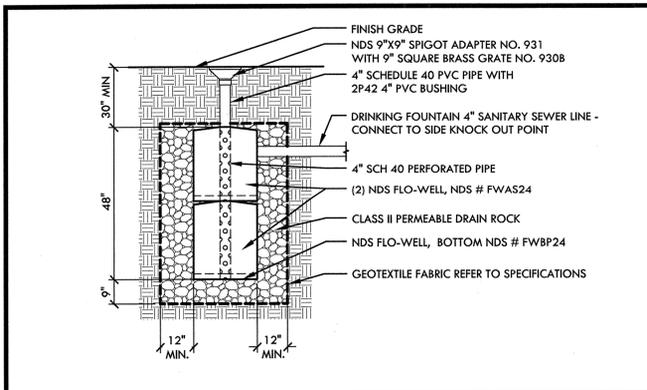
STATE OF CALIFORNIA

FILE NUMBER: 1520400

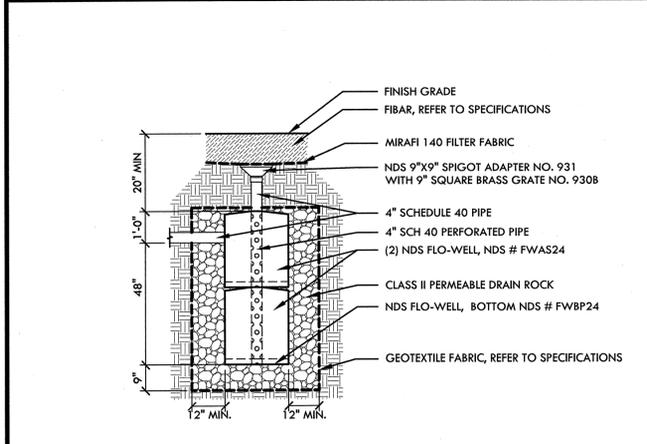
PRINT DATE: 12/07/16

SHEET NUMBER: D2.3

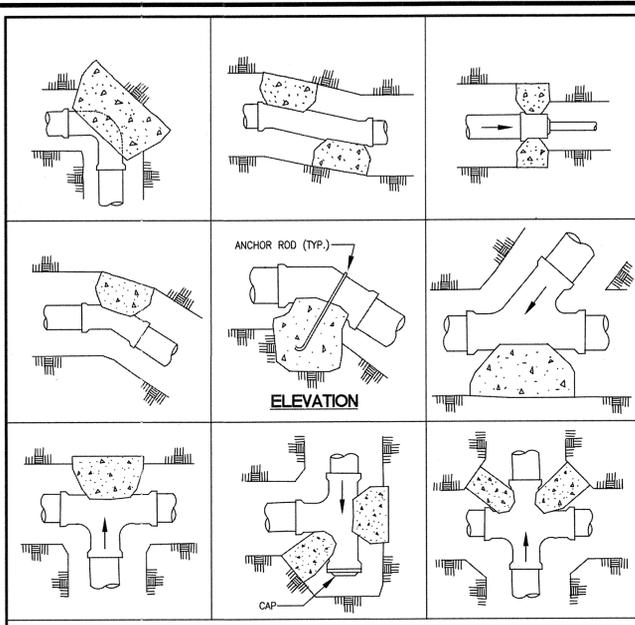
BID DRAWINGS



I DRYWELL - DRINKING FOUNTAIN NTS



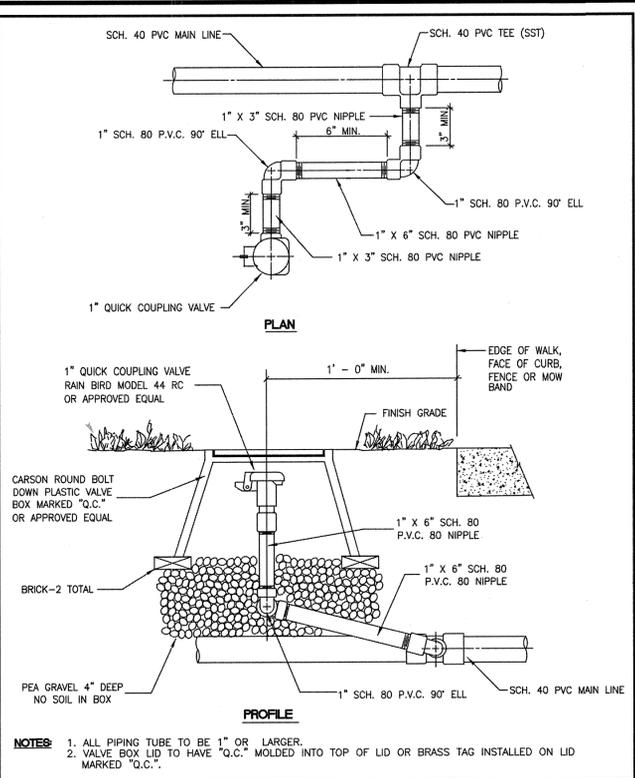
H DRYWELL WITH DRAIN INLET NTS



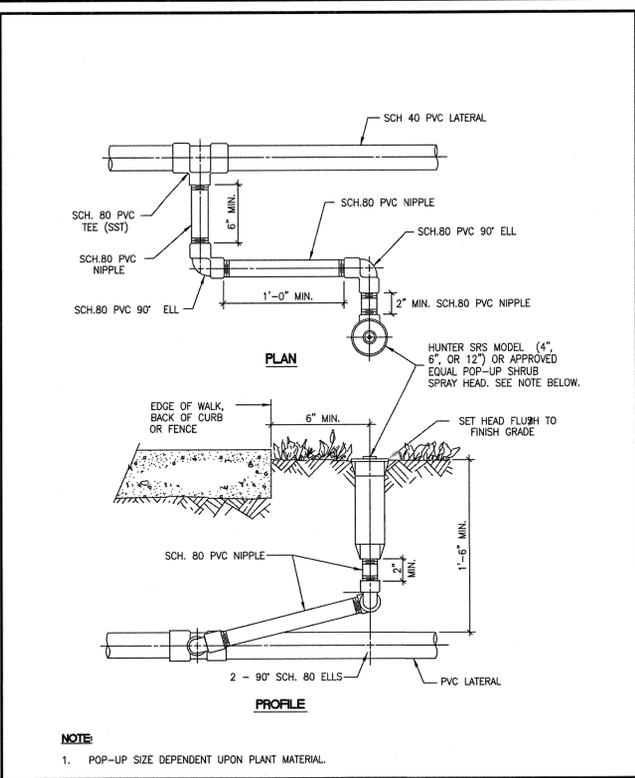
NOTES:

1. ALL PLASTIC PIPE TO BE INSTALLED ACCORDING TO THESE DETAILS UNLESS OTHERWISE NOTED OR DETAILED.
2. THE PORTLAND CEMENT CONCRETE USED FOR THRUST BLOCKS SHALL BE 420-C-2000 CONCRETE.
3. ALL ANCHOR RODS SHALL BE GALVANIZED STEEL, MINIMUM 1/2" DIAMETER, WRAPPED AROUND PIPE.
4. SIZE OF THRUST BLOCKS SHALL BE SPECIFIED ON PLANS.
5. THRUST BLOCKS SHALL BE USED FOR PLASTIC PIPES WITH 3" DIAMETER OR LARGER.
6. FLOW DIRECTION INDICATED BY _____
7. ALL VIEWS ARE PLAN VIEW UNLESS OTHERWISE SHOWN.

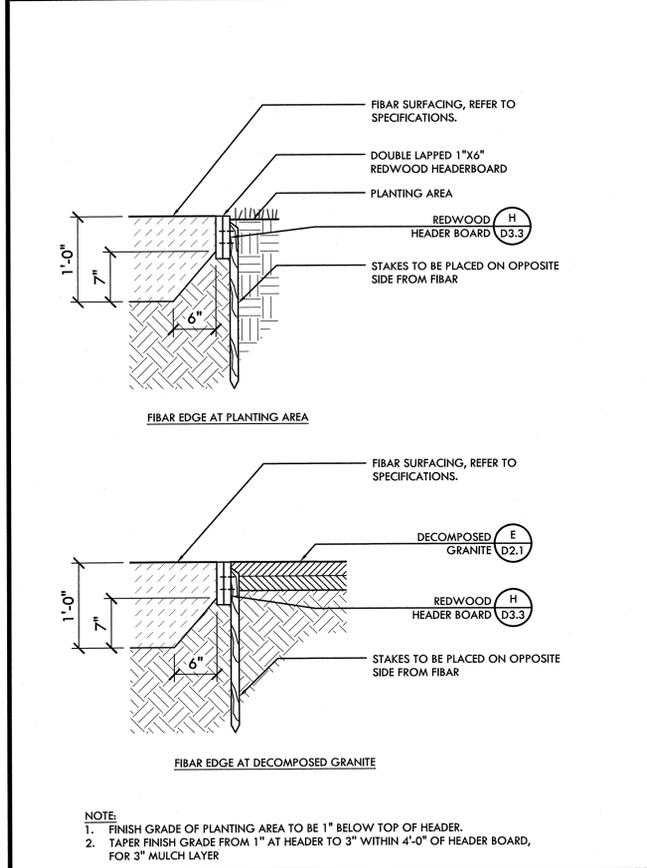
City of Morgan Hill Public Works Department
THRUST BLOCKS FOR PLASTIC PIPES
 DRAWING NO. L-13
 DATE: 8/6/98
 CITY ENGINEER: Jim Caherscraft



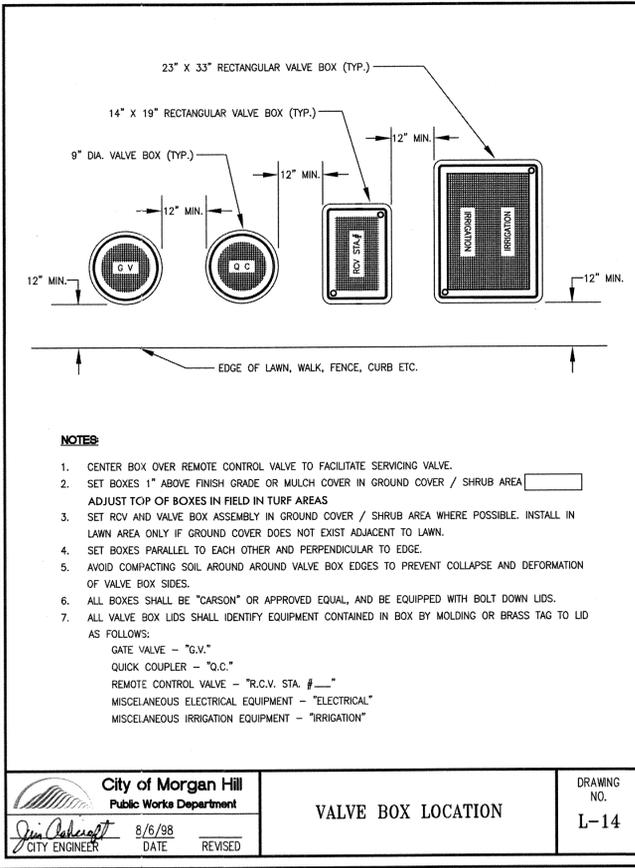
City of Morgan Hill Public Works Department
1" QUICK COUPLING VALVE
 DRAWING NO. L-7
 DATE: 8/6/98
 CITY ENGINEER: Jim Caherscraft



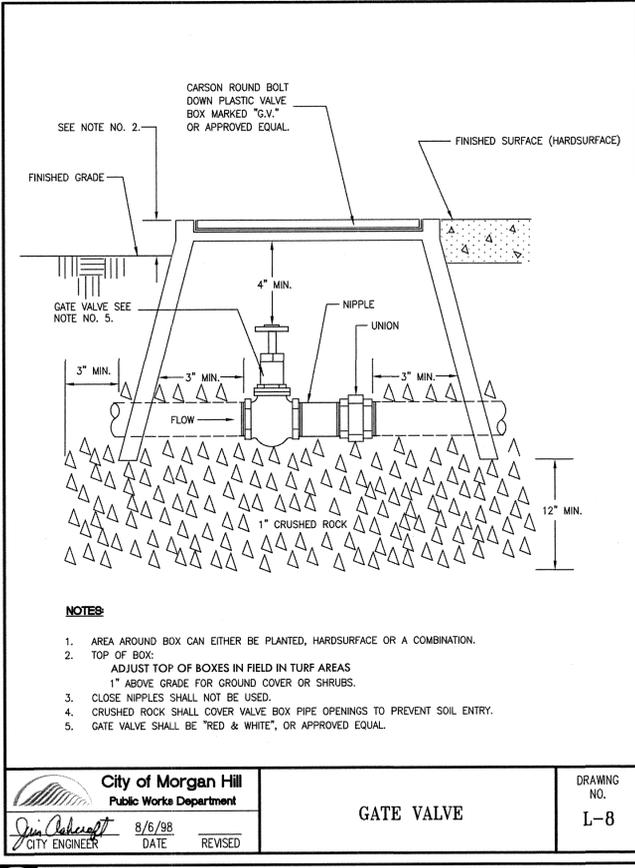
City of Morgan Hill Public Works Department
HIGH POP-UP SHRUB HEAD
 DRAWING NO. L-2
 DATE: 8/6/98
 CITY ENGINEER: Jim Caherscraft



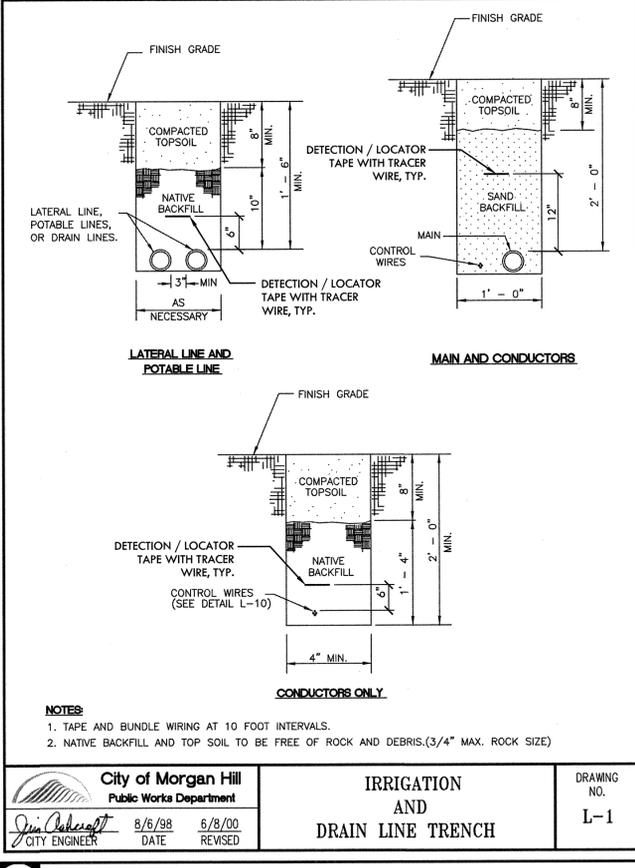
G FIBAR MULCHING EDGE CONDITIONS NTS



City of Morgan Hill Public Works Department
VALVE BOX LOCATION
 DRAWING NO. L-14
 DATE: 8/6/98
 CITY ENGINEER: Jim Caherscraft



City of Morgan Hill Public Works Department
GATE VALVE
 DRAWING NO. L-8
 DATE: 8/6/98
 CITY ENGINEER: Jim Caherscraft



City of Morgan Hill Public Works Department
IRRIGATION AND DRAIN LINE TRENCH
 DRAWING NO. L-1
 DATE: 8/6/98
 CITY ENGINEER: Jim Caherscraft

NO.	DESCRIPTION	DATE	BY	DATE

DRAWN: RK / JL	DESIGN: CMES	HOR: N/A
CHECKED: CMES / DM	VERT: N/A	
APPROVED: <i>[Signature]</i>	DATE: 12/15/16	JOB NUMBER: 135013

City of Morgan Hill Public Works Department
 17575 Peak Ave. Morgan Hill, CA 95037 (408)778-6480, Fax (408)779-7236

VERDE DESIGN
 LANDSCAPE ARCHITECTURE
 CIVIL ENGINEERING
 SPORTS PLANNING & DESIGN
 2455 The Alameda, Ste. 200
 Santa Clara, CA 95050
 tel: 408.985.7299
 fax: 408.985.7290
 www.verdedesign.com

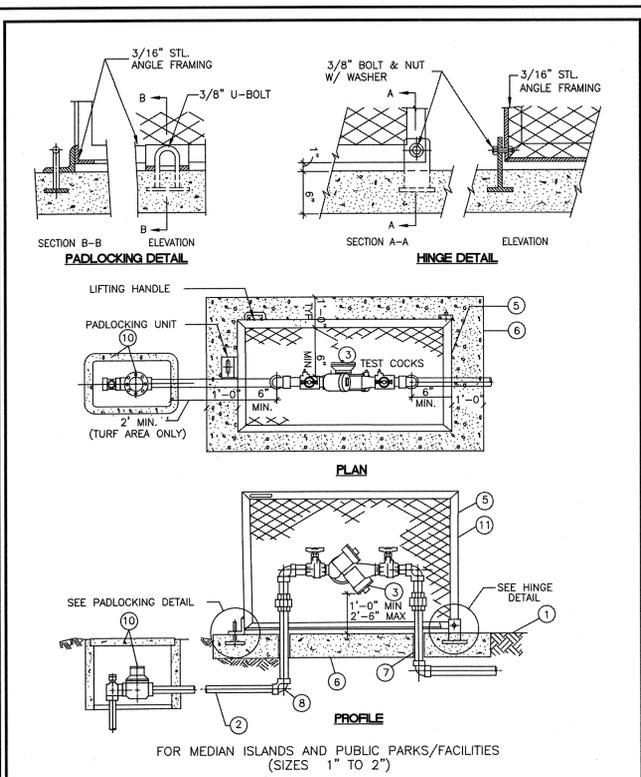
IRRIGATION AND PLANTING DETAILS
LITTLE LLAGAS CREEK PARK

DEL MONTE AVE AND WEST 3RD STREET, MORGAN HILL, CA 95037

FILE NUMBER: 1520400
 PRINT DATE: 12/07/16
 SHEET NUMBER: D3.1

REGISTERED LANDSCAPE ARCHITECT
 STATE OF CALIFORNIA
 EXPIRATION DATE: DEC. 2017

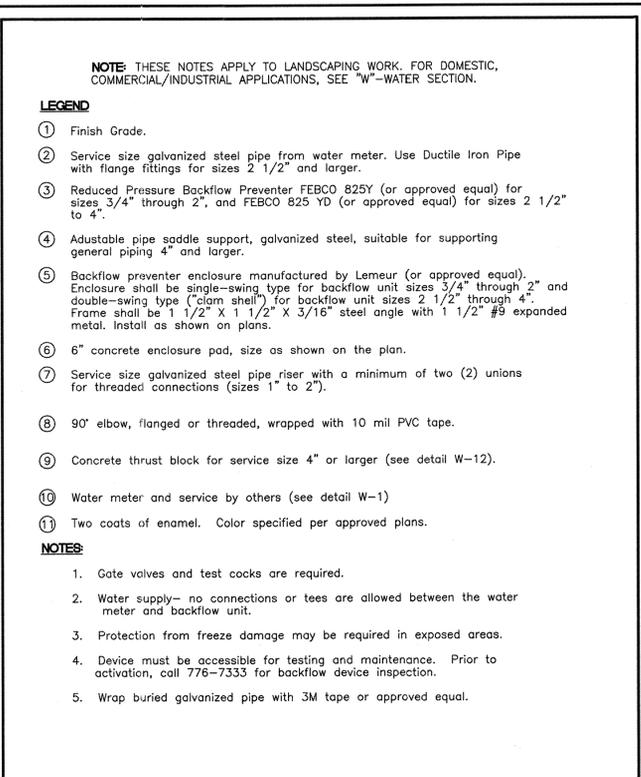
BID DRAWINGS



City of Morgan Hill
Public Works Department
8/1/97 DATE
3/15/07 REVISED
CITY ENGINEER

R.P. BACKFLOW PREVENTER WITH SINGLE-SWING HINGED ENCLOSURE

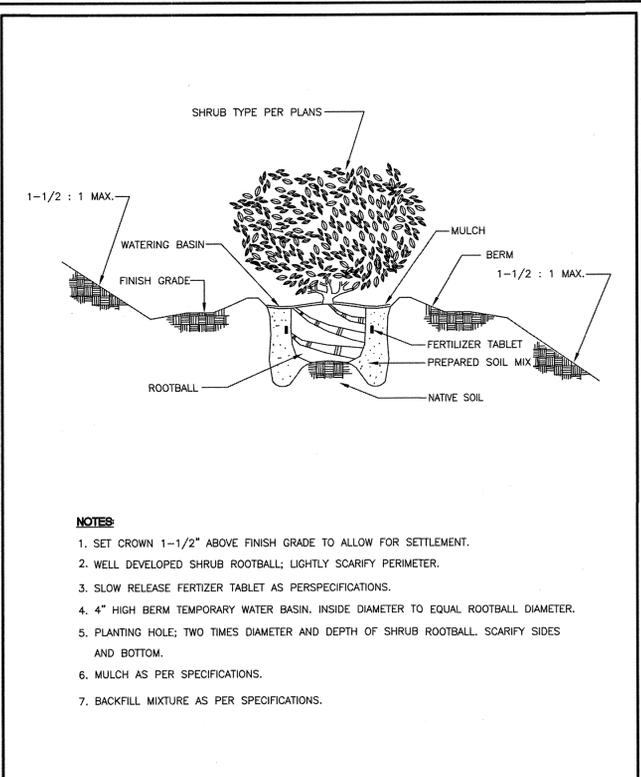
DRAWING NO. L-10



City of Morgan Hill
Public Works Department
8/1/97 DATE
3/15/07 REVISED
CITY ENGINEER

LANDSCAPE BACKFLOW PREVENTER LEGEND AND NOTES

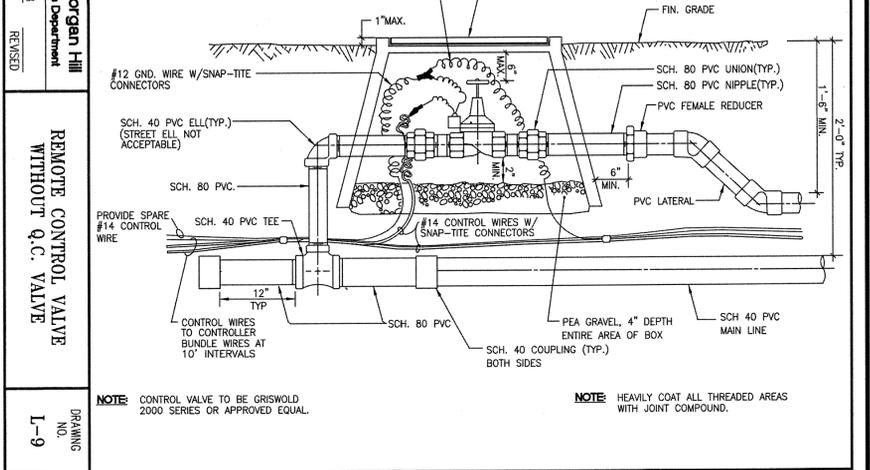
DRAWING NO. L-12



City of Morgan Hill
Public Works Department
8/6/98 DATE
3/15/07 REVISED
CITY ENGINEER

SHRUB PLANTING

DRAWING NO. L-17



City of Morgan Hill
Public Works Department
8/1/97 DATE
3/15/07 REVISED
CITY ENGINEER

REMOTE CONTROL VALVE WITHOUT Q.C. VALVE

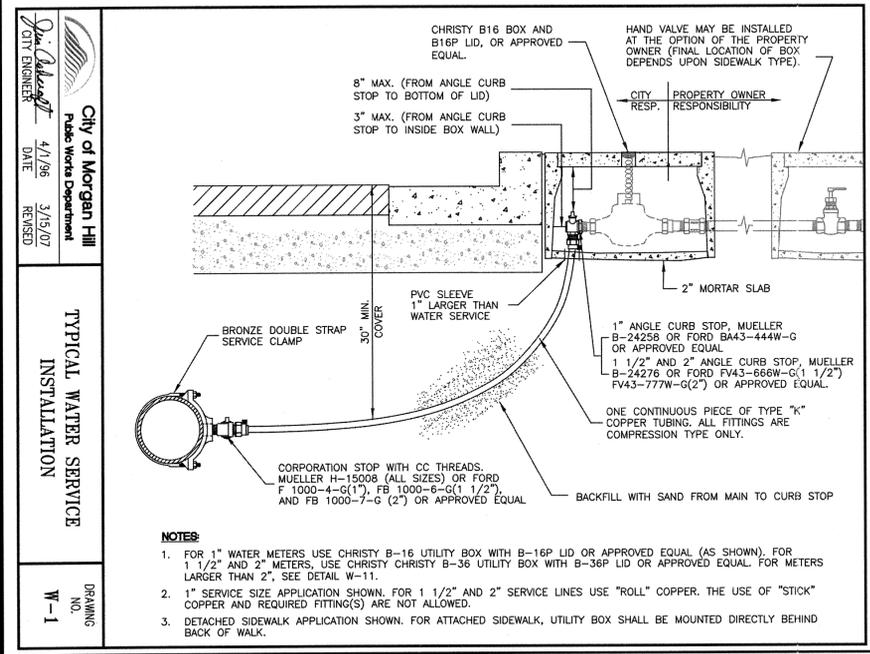
DRAWING NO. L-9

H R.P. BACKFLOW PREVENTER (SINGLE-SWING)

F LANDSCAPE BACKFLOW PREVENTER LEGEND AND NOTES

E SHRUB PLANTING

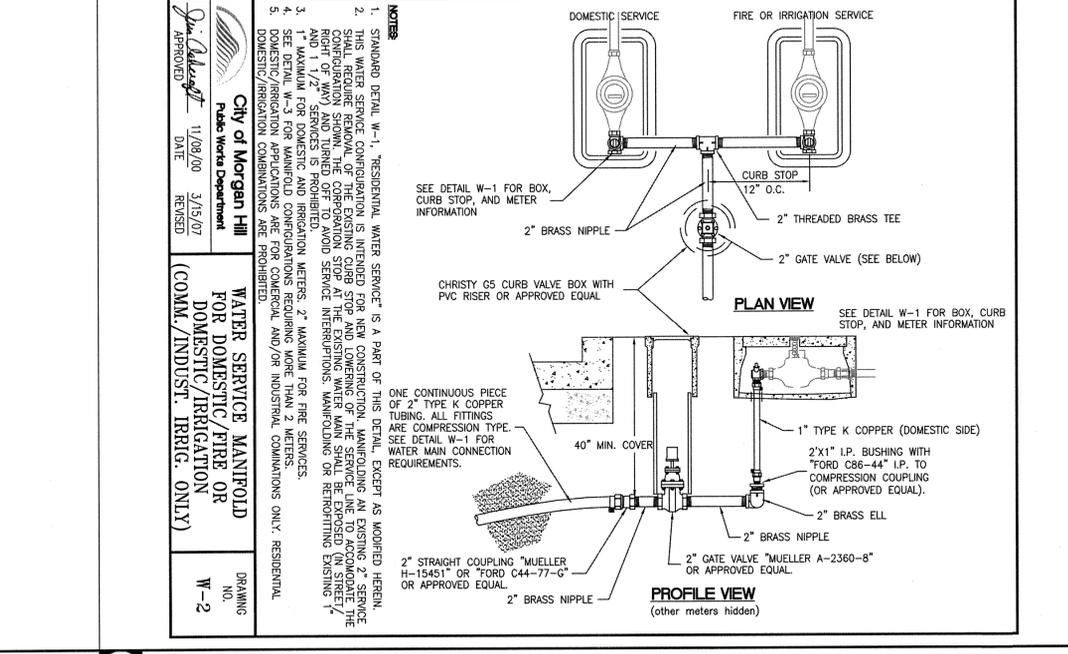
C REMOTE CONTROL VALVE



City of Morgan Hill
Public Works Department
4/1/96 DATE
3/15/07 REVISED
CITY ENGINEER

TYPICAL WATER SERVICE INSTALLATION

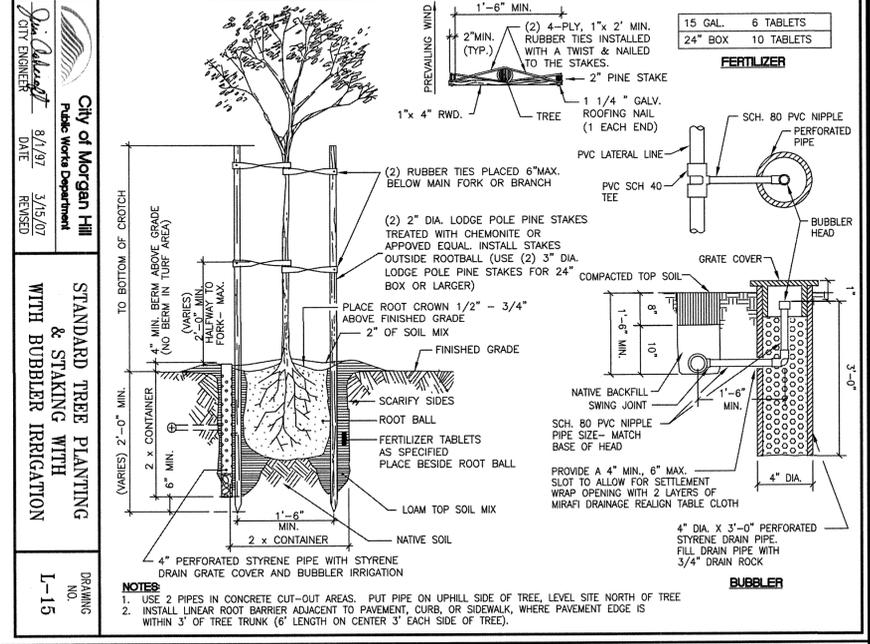
DRAWING NO. W-1



City of Morgan Hill
Public Works Department
11/08/00 DATE
3/15/07 REVISED
CITY ENGINEER

WATER SERVICE MANIFOLD FOR DOMESTIC/FIRE OR DOMESTIC/IRRIGATION (COMM./INDUST. IRRIG. ONLY)

DRAWING NO. W-2



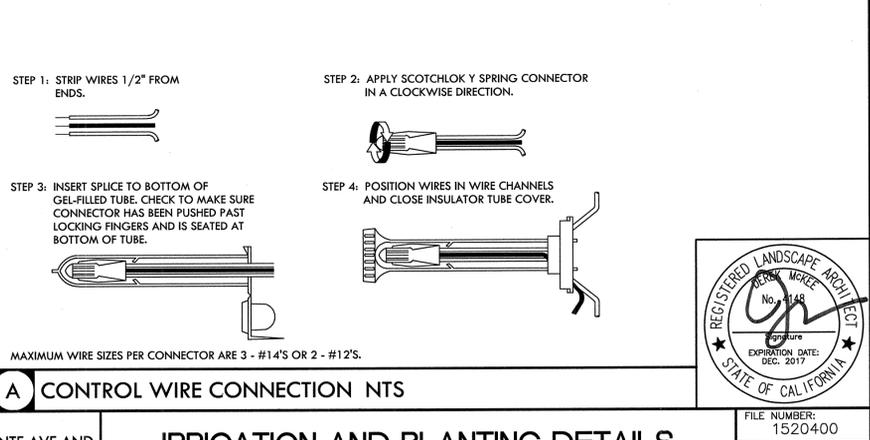
City of Morgan Hill
Public Works Department
8/1/97 DATE
3/15/07 REVISED
CITY ENGINEER

STANDARD TREE PLANTING & STAKING WITH BUBBLER IRRIGATION

DRAWING NO. L-15

G WATER SERVICE INSTALLATION

D WATER SERVICE FOR DOMESTIC/IRRIGATION



City of Morgan Hill
Public Works Department
8/1/97 DATE
3/15/07 REVISED
CITY ENGINEER

CONTROL WIRE CONNECTION NTS

DRAWING NO. L-15

NO.	DESCRIPTION	DATE	BY	BY	DATE

WORK ACCEPTED:	INSPECTOR:	DRAWN: RK / JL	DESIGN: CMES	HOR: N/A
		CHECKED: CMES / DM		
		APPROVED: [Signature]	DATE: 12/15/16	JOB NUMBER: 135013

City of Morgan Hill
Public Works Department
17575 Peak Ave. Morgan Hill, CA 95037 (408)778-6480, Fax (408)779-7236

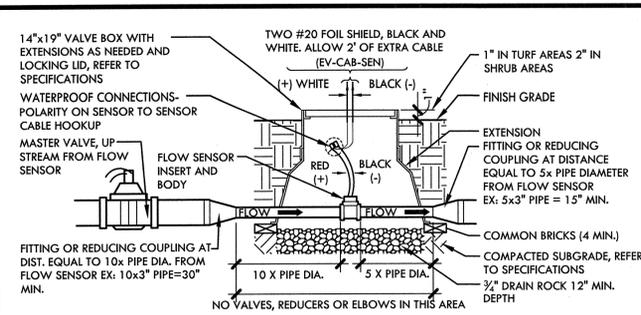
City of Morgan Hill
Public Works Department
2455 The Alameda, Ste. 200
San Jose, CA 95126
Tel: 408.985.7200
Fax: 408.985.7200
www.verdedesign.com

DEL MONTE AVE AND WEST 3RD STREET, MORGAN HILL, CA 95037

IRRIGATION AND PLANTING DETAILS
LITTLE LLAGAS CREEK PARK

FILE NUMBER: 1520400
PRINT DATE: 12/07/16
SHEET NUMBER: D3.2

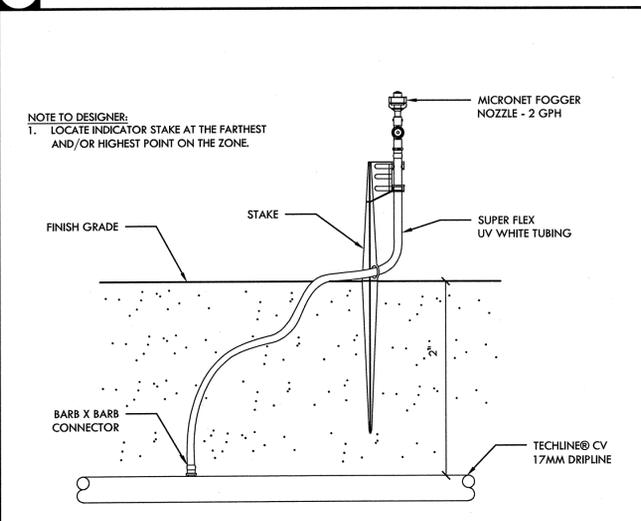
BID DRAWINGS



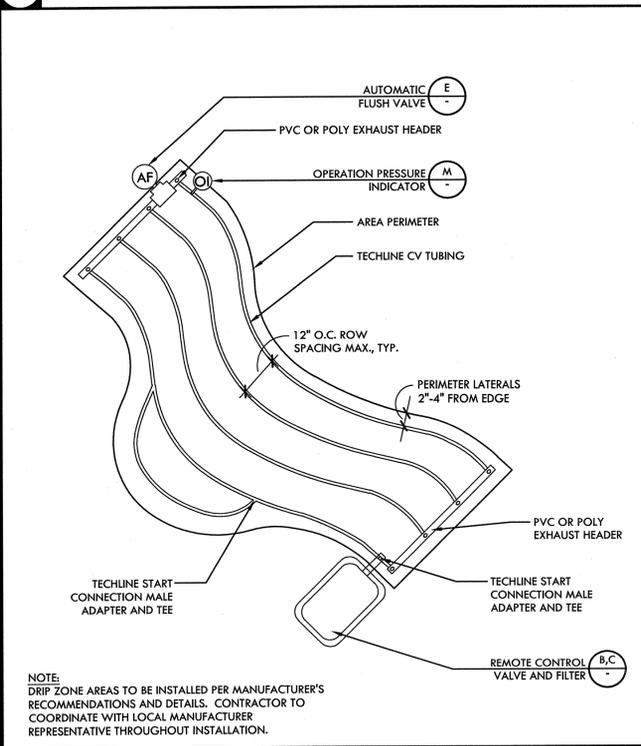
NOTE:
 1. FLOW SENSOR MUST BE INSTALLED WITH INSERT (TOP) POSITIONED VERTICALLY AND BODY (TEE) POSITIONED HORIZONTALLY.
 2. FLOW SENSOR CABLE MUST BE RUN ALONE IN 1" SCHEDULE 80 PVC CONDUIT FROM FLOW SENSOR TO CONTROLLER ENCLOSURE.
 3. FLOW SENSOR TO HAVE 3" MIN. CLEARANCE FROM LID BOTTOM TO TOP OF FLOW SENSOR.

4. LASCO REDUCING COUPLINGS ARE AVAILABLE IN THE FOLLOWING SIZES AND PART NUMBERS:
 429-585 8"x 6"
 429-532 6"x 4"
 429-422 4"x 3"
 429-338 3"x 2"
 429-251 2"x 1 1/2"
 429-212 1 1/2"x 1 1/4"
 429-168 1 1/4"x 1"

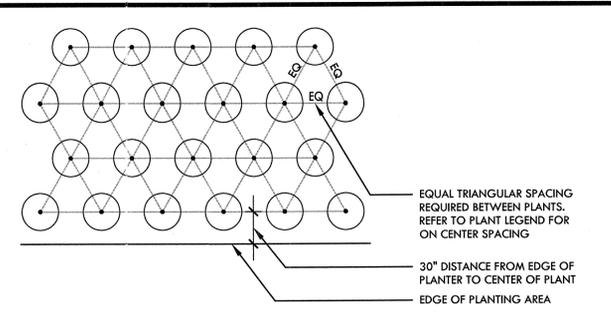
N MASTER VALVE AND FLOW SENSOR NTS



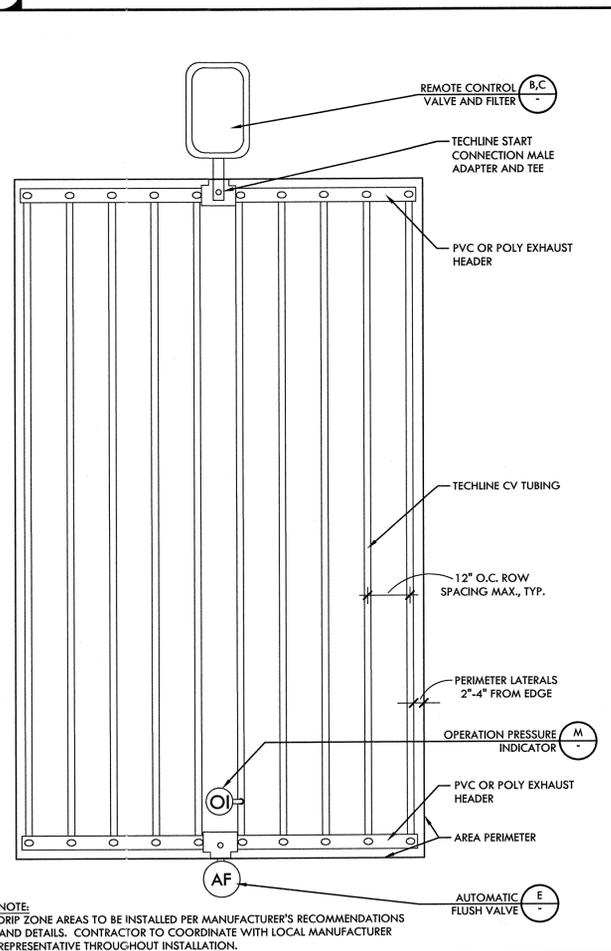
M OPERATION PRESSURE INDICATOR NTS



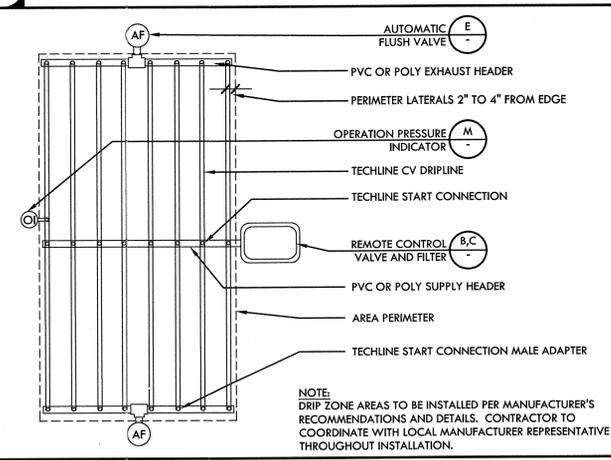
L DRIFT TUBING - CURVED AREA LAYOUT NTS



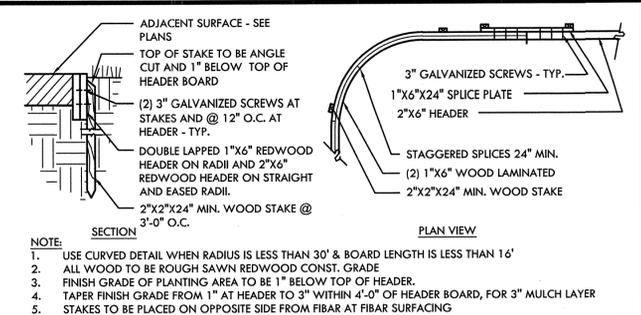
K TRIANGULAR SPACING DIAGRAM NTS



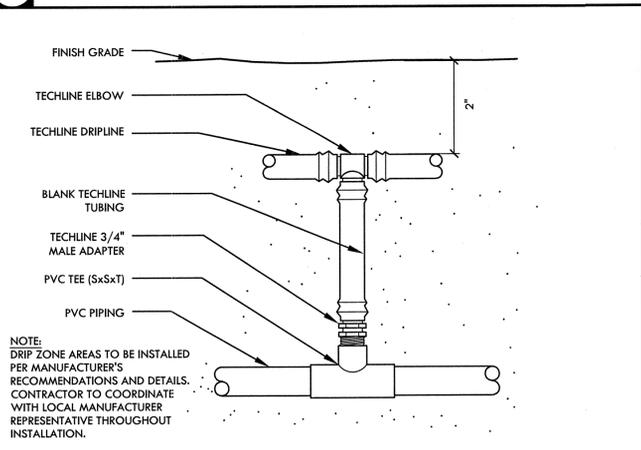
J DRIFT TUBING - RECTANGULAR LAYOUT NTS



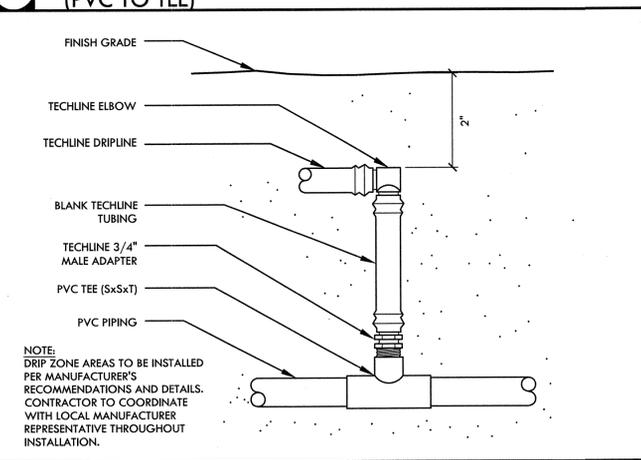
I DRIFT TUBING - CENTER FEED LAYOUT NTS



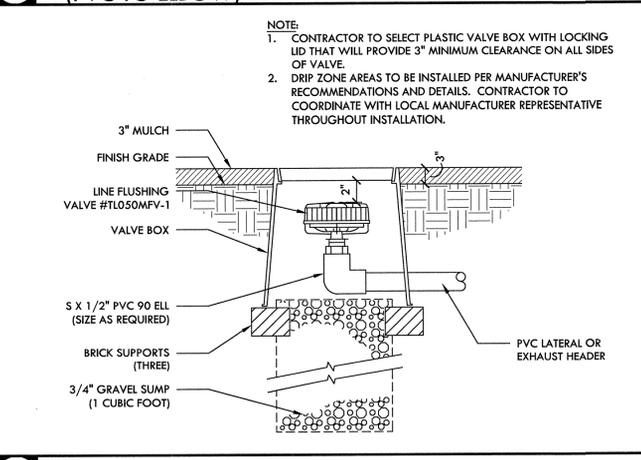
H REDWOOD HEADER BOARD NTS



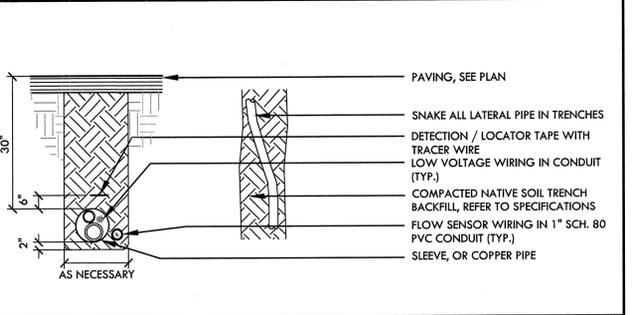
G TECHLINE START CONNECTION (PVC TO TEE) NTS



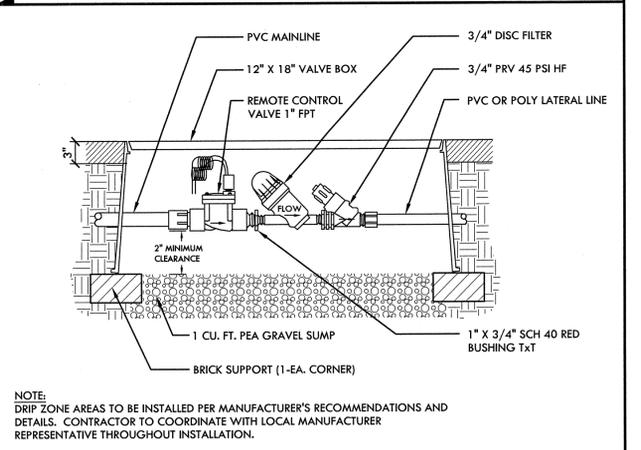
F TECHLINE START CONNECTION (PVC TO ELBOW) NTS



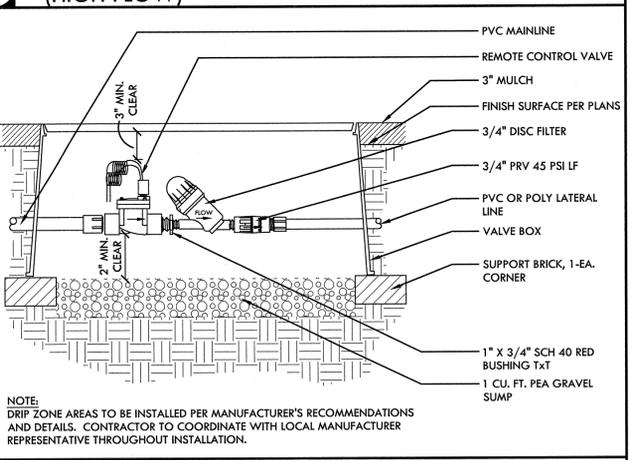
E AUTOMATIC FLUSH VALVE NTS



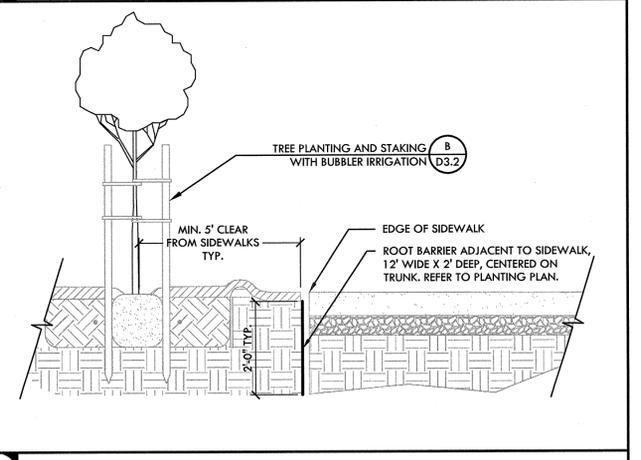
D IRRIGATION PIPE TRENCHING UNDER PAVEMENT NTS



C REMOTE CONTROL VALVE AND FILTER (HIGH FLOW) NTS



B REMOTE CONTROL VALVE AND FILTER (LOW FLOW) NTS



A ROOT BARRIER AT SIDEWALK AND EDGEBANDS NTS

NO.	DESCRIPTION	DATE	BY	DATE

WORK ACCEPTED:	INSPECTOR:	DRAWN: RK / JL	DESIGN: CMES	HOR: N/A
CHECKED: CMES / DM	DATE: 12/15/16	VER: N/A	JOB NUMBER: 135013	
APPROVED: <i>Karl D. Bump</i>	DATE: 12/31/2017			

City of Morgan Hill
 Public Works Department
 17575 Peak Ave. Morgan Hill, CA 95037 (408)778-6480, Fax (408)779-7236

VERDE DESIGN
 LANDSCAPE ARCHITECTURE
 CIVIL ENGINEERING
 SPORTS TRAINING & DESIGN
 2455 The Alameda, Ste. 200
 Santa Clara, CA 95050
 Tel: 408.985.7200
 Fax: 408.985.7200
 www.verdedesign.com

IRRIGATION AND PLANTING DETAILS
 LITTLE LLAGAS CREEK PARK

DEL MONTE AVE AND WEST 3RD STREET, MORGAN HILL, CA 95037

REGISTERED LANDSCAPE ARCHITECT
 STATE OF CALIFORNIA
 Signature: *[Signature]*
 EXPIRATION DATE: DEC. 2017

FILE NUMBER: 1520400
 PRINT DATE: 12/07/16
 SHEET NUMBER: D3.3

BID DRAWINGS

SYMBOL LIST:

- PLAN, DETAIL OR SECTION DESIGNATION.
- ROOM NUMBER.
- SHEET REFERENCE SYMBOL - SEE ASSOCIATED NOTE ON SAME SHEET.
- FEEDER SCHEDULE SYMBOL.
- MECHANICAL EQUIPMENT TAG.
- INDICATES FIXTURE TYPE

LUMINAIRE SYMBOLS

- LUMINAIRE - SEE SCHEDULE.
- LUMINAIRE - SEE SCHEDULE.
- LUMINAIRE - SEE SCHEDULE.
- POLE MOUNTED LUMINAIRE - SEE SCHEDULE.
- POLE MOUNTED LUMINAIRE - SEE SCHEDULE.
- LUMINAIRE - SEE SCHEDULE.
- LUMINAIRE - SEE SCHEDULE.
- LUMINAIRE WALL MOUNTED-SEE SCHEDULE.
- EMERGENCY LUMINAIRE - PROVIDE EMERGENCY BATTERY BALLAST
- EMERGENCY LUMINAIRE - PROVIDE EMERGENCY BATTERY BALLAST
- EMERGENCY LUMINAIRE - PROVIDE EMERGENCY BATTERY BALLAST
- EMERGENCY LUMINAIRE WALL MOUNTED- PROVIDE EM. BATTERY BALLAST
- EXIT LIGHT SINGLE FACE - SEE SCHEDULE.
- EXIT LIGHT SINGLE FACE (WITH ARROW)- SEE SCHEDULE.
- EXIT LIGHT (DOUBLE FACED WITH ARROW)- SEE SCHEDULE.
- EMERGENCY BATTERY PACK EXIT LIGHT INSTALL AS DIRECTED.

TYPICAL LUMINAIRE NOMENCLATURE

- INDICATES SWITCHING DESIGNATION
- INDICATES CIRCUIT NUMBER

SWITCH SYMBOLS

- SINGLE POLE SWITCH, + 48" AFF TO THE TOP OF THE OUTLET BOX UON.
- SINGLE POLE SWITCH, + 48" AFF TO THE TOP OF THE OUTLET BOX, a = CIRCUIT CONTROLLED.
- THREE WAY SWITCH + 48" AFF TO THE TOP OF THE OUTLET BOX UON.
- FOUR WAY SWITCH + 48" AFF TO THE TOP OF THE OUTLET BOX UON.
- MOTOR RATED SWITCH
- WALL MOUNTED LOW VOLTAGE "DATA LINE" SWITCH +48" FROM TOP OF BOX, UON, a = CIRCUIT CONTROLLED

RECEPTACLE SYMBOLS

- CONVENIENCE RECEPTACLE - DUPLEX AT + 18" AFF UON.
- GFCI CONVENIENCE RECEPTACLE - DUPLEX.
- RECEPTACLE - DOUBLE DUPLEX AT + 18" AFF UON.
- RECEPTACLE - DOUBLE DUPLEX ON CEILING
- SINGLE RECEPTACLE - NEMA 5-20R UON, AT + 18" AFF UON.
- SINGLE RECEPTACLE - NEMA L21 - 208 VOLT, THREE PHASE, 5 WIRE, AT + 18" AFF UON.
- 3-CHANNEL SURFACE RACEWAY, INSTALL AT +36" AFF UON. RACEWAY SHALL BE WIREMOLD #5500.

POWER DISTRIBUTION SYMBOLS

- PANELBOARD - SURFACE OR FLUSH MOUNTED.
- LIGHTING CONTROL CABINET.
- EMERGENCY POWER INVERTER.
- JUNCTION BOX - CEILINGS OR WALL MOUNTED, SIZE PER CEC, TAFE AND TAG WIRES.
- MAIN SWITCHBOARD OR DISTRIBUTION PANEL.
- MOTOR
- RATINGS AS INDICATED.
- UNFUSED DISCONNECT SWITCH - RATINGS AS INDICATED.
- FUSED DISCONNECT SWITCH - SIZE FUSES PER MOTOR MANUFACTURER'S RECOMMENDATIONS, RATINGS AS INDICATED.
- MAGNETIC STARTER - NEMA SIZE INDICATED.
- TRANSFORMER - SEE SINGLE LINE FOR REQUIREMENTS.
- GROUND ROD.
- IN-GRADE ELECTRICAL PULL BOX WITH TRAFFIC RATED LID.
- IN-GRADE LIGHTING PULL BOX WITH TRAFFIC RATED LID.
- IN-GRADE SIGNAL PULL BOX WITH TRAFFIC RATED LID.

POWER DISTRIBUTION SINGLE LINE SYMBOLS

- DRAW-OUT CIRCUIT BREAKER.
- CIRCUIT BREAKER.
- FUSED SWITCH.
- "1/2" 48" METER W/ CURRENT TRANSFORMER.
- TRANSFORMER.
- NORMALLY OPENED, AUXILIARY CONTACT.
- NORMALLY CLOSED, AUXILIARY CONTACT.
- AUTOMATIC TRANSFER SWITCH.
- EMERGENCY GENERATOR.

WIRING & CONDUIT RUN SYMBOLS

- CONDUIT - CONCEALED IN WALLS OR CEILING.
- CONDUIT - EXPOSED.
- CONDUIT - IN OR BELOW FLOOR, 3/4" MIN.
- EXISTING CONDUIT, CABLES OR DEVICE
- CONDUIT - HOME RUN TO PANEL, TERMINAL CABINET, ETC. RUNS MARKED WITH CROSSHATCHES INDICATE NUMBER OF #12 AWG WIRES. CROSSHATCH WITH SUBSCRIPT '6' INDICATES GREEN GROUND WIRE. SIZE CONDUIT ACCORDING TO SPECIFICATIONS AND APPLICABLE CODE. CROSSHATCHES WITH '#10' INDICATES WIRE SIZE OTHER THAN #12'S.
- FLEX CONDUIT WITH CONNECTION.
- CONDUIT - STUB UP.
- CONDUIT - STUB DOWN.
- CONDUIT EMERGENCY SYSTEM.
- CAPPED CONDUIT.
- CONDUIT CONTINUATION.

GENERAL NOTES:

- THE CONTRACTOR SHALL BE LICENSED BY THE STATE OF CALIFORNIA C-10 AND SHALL COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS. MATERIALS AND EQUIPMENT SHALL BE U.L. LISTED AND LABELED FOR THE APPLICATION.
- THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS, LICENSES AND INSPECTION FEES REQUIRED BY THIS CONTRACT WORK.
- PRIOR TO SUBMITTING A BID THE CONTRACTOR SHALL VISIT THE SITE. REVIEW THE EXISTING CONDITIONS AND ALLOW FOR LABOR, MATERIAL AND COORDINATION THAT IS NECESSARY TO PROVIDE A COMPLETE INSTALLATION OF EACH SYSTEM. THE CONTRACTOR SHALL OBTAIN AND BE FAMILIAR WITH ALL OTHER TRADES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ELECTRICAL WORK NOTED AND CALLED OUT ON ALL CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION BETWEEN OTHER TRADES ON PROJECT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF PERSONS AND PROPERTY AND SHALL PROVIDE INSURANCE COVERAGE AS NECESSARY FOR LIABILITY, PERSONAL, PROPERTY DAMAGE, TO FULLY PROTECT THE OWNER, ARCHITECT AND ENGINEER FROM ANY AND ALL CLAIMS RESULTING FROM THIS WORK.
- THE CONTRACTOR SHALL MAINTAIN RECORD DRAWINGS AT THE PROJECT SITE INDICATING ALL MODIFICATIONS TO ELECTRICAL SYSTEMS. THE CONTRACTOR SHALL AT THE CONCLUSION OF THE PROJECT PROVIDE ACCURATE "AS-BUILT" DRAWINGS. "AS-BUILT" DRAWINGS SHALL SHOW ACTUAL CHANGES TO ORIGINAL ELECTRICAL DRAWINGS, SHOW LOCATIONS OF PULL BOXES, CONDUIT RUNS AND WIRING CHANGES. THE CONTRACTOR SHALL PROVIDE ONE (1) HARDCOPY SET OF DOCUMENT DRAWINGS AND ONE (1) SET OF DOCUMENT DRAWINGS IN ELECTRONIC CAD FILE THAT REPRESENTS THE ACTUAL "AS-BUILTS". CAD FILES SHALL BE AUTOCAD 2000 FORMAT.
- ALL MATERIALS PROVIDED TO THE PROJECT SHALL BE NEW. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL INCIDENTAL MATERIALS REQUIRED FOR A COMPLETE INSTALLATION.
- THE CONTRACTOR SHALL PROVIDE TO THE ARCHITECT A CONSTRUCTION SCHEDULE OF ELECTRICAL WORK. THE CONSTRUCTION SCHEDULE SHALL IDENTIFY ALL SIGNIFICANT MILESTONES WITH COMPLETION DATES.
- THE CONTRACTOR SHALL PROVIDE ALL REQUIRED 'CUTTING, PATCHING, EXCAVATION, BACKFILL AND REPAIRS' NECESSARY TO RESTORE DAMAGED SURFACES TO EQUAL OR BETTER THAN ORIGINAL CONDITIONS EXISTING AT START OF WORK. THE CONTRACTOR SHALL CONTACT 'UNDERGROUND SERVICES ALERT' FOR LOCATION OF EXISTING UTILITIES PRIOR TO COMMENCEMENT OF UNDERGROUND WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAINTING ALL EXPOSED CONDUITS AND ELECTRICAL EQUIPMENT. REFER TO ARCHITECT'S PAINTING SECTION FOR REQUIREMENTS.
- ALL ELECTRICAL EQUIPMENT INSTALLED OUTDOORS SHALL BE WEATHERPROOF. EXTERIOR CONDUITS RUN INTO BUILDINGS SHALL BE INSTALLED WITH FLASHING, GULKED AND SEALED. CONDUITS FOR EXTERIOR ELECTRICAL DEVICES SHALL BE RUN INSIDE BUILDING UNLESS OTHERWISE NOTED ON DRAWINGS. ALL EXTERIOR CONDUITS SHALL BE "R56" UNLESS OTHERWISE NOTED ON DRAWINGS.
- ALL CONDUITS UNLESS OTHERWISE NOTED ON DRAWINGS SHALL HAVE AS A MINIMUM, TWO (2) #12S WITH ONE (1) #12 MARKS SHOWN ON CIRCUITRY ARE FOR 'ROUGH' ESTIMATING ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WIRES AND WIRE SIZES REQUIRED BY LATEST CODE.
- COORDINATE ALL CONDUIT RUNS, ELECTRICAL EQUIPMENT AND PANELS WITH ALL OTHER WORK TO AVOID CONFLICTS.
- SEE ARCHITECTURAL DOCUMENTS FOR EXACT PLACEMENT OF LIGHTING FIXTURES AND DEVICES. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF CEILING TYPES FROM ARCHITECTURAL DOCUMENTS AND PROVIDE AND INSTALL ALL REQUIRED FIXTURE MOUNTING HARDWARE. PROVIDE AND INSTALL U.L. LISTED FIRE STOP ENCLOSURES FOR ALL RECESSED FIXTURES IN FIRE RATED CEILING.
- THE CONTRACTOR SHALL PROVIDE IN EVERY CONDUIT A DRAW STRING FOR USE IN FUTURE CONSTRUCTION.
- POWER FEEDERS MAY NOT BE SHOWN ON THE DRAWINGS, REFER TO THE SINGLE LINE DIAGRAM FOR CONDUIT AND FEEDER INFORMATION. ALL DRAWINGS ARE DIAGRAMMATIC INDICATING LOCATION OR POSITION OF EQUIPMENT. FIELD VERIFY CONDITIONS PRIOR TO INSTALLATION OF ANY WORK.
- MANUFACTURER'S RECOMMENDATIONS FOR CONDUCTOR SIZING, CIRCUIT BREAKER OR FUSE PROTECTION OF ELECTRICALLY OPERATED EQUIPMENT MAY DIFFER FROM THOSE INDICATED ON DRAWINGS. CONTRACTOR SHALL CONFIRM RATINGS PRIOR TO ORDERING EQUIPMENT. PROVIDE ELECTRICAL PROTECTION TO EQUIPMENT IN ACCORDANCE TO MANUFACTURER'S SPECIFICATIONS AND PER NATIONAL ELECTRICAL CODE REQUIREMENTS.
- CONTRACTOR SHALL REVIEW EQUIPMENT REQUIREMENTS OF OTHER TRADES AND PROVIDE POWER CIRCUITS AND CONNECTIONS TO ELECTRICALLY OPERATED EQUIPMENT.
- EFFECTIVELY BOND ELECTRICAL CABINETS, ENCLOSURES AND CONDUIT RACEWAYS TO CODE APPROVED GROUND AS PART OF THE CONTINUOUS GROUNDING SYSTEM.
- MEASURE THE 3-PHASE AND PHASE TO NEUTRAL SERVICE VOLTAGE FOR 208/120V PANELS PRIOR TO ENERGIZING ANY PANELS OR EQUIPMENT. AVOID ENERGIZING 208/120V PANELS PHASE TO NEUTRAL VOLTAGE ABOVE 150 VOLTS. TRANSFORMER TAP SETTING MAY REQUIRE CHANGING.
- MEASURE THE 1-PHASE AND PHASE TO NEUTRAL SERVICE VOLTAGE FOR 240/120V PANELS PRIOR TO ENERGIZING ANY PANELS OR EQUIPMENT. AVOID ENERGIZING 240/120V PANELS PHASE TO NEUTRAL VOLTAGE ABOVE 150 VOLTS.
- DO NOT SUBSTITUTE SPECIFIED MATERIAL OR EQUIPMENT WITHOUT FIRST OBTAINING APPROVAL FROM THE OWNER OR HIS REPRESENTATIVE.
- IDENTIFY ALL ABOVE CEILING JUNCTION BOXES COVERS WITH PANEL AND CIRCUITS IN LEGIBLE PRINT USING BLACK INDELEBILE INK. ABOVE CEILING JUNCTION BOXES SHALL ALSO BE LABELED AT THE REAR INTERIOR BOX WITH AN INDELEBILE BLACK MARKER.
- LABEL ALL WALL AND/OR WIREMOLD MOUNTED OUTLET DEVICES WITH PANEL CIRCUIT IDENTIFICATION WITH BOLD TYPE-PRINTED LABELING. BLACK LETTERING ON WHITE BACKGROUND PREFERRED.
- DERATE CONDUCTORS IN RACEWAYS IN ACCORDANCE WITH NEC CODE REQUIREMENTS. PANEL FEEDERS TO WIREMOLDS CAN ENTER AT VARIOUS LOCATIONS TO LIMIT CONDUCTOR CIRCUITS PER WIREMOLD CAPACITIES.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR SITE LOCATING ALL EXISTING UNDERGROUND SYSTEMS AND NEW TRENCHING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ALL DAMAGED SYSTEMS TO OWNERS SATISFACTION. EXTREME CARE SHALL BE MAINTAINED DURING TRENCHING AS EXISTING SYSTEMS ARE KNOWN TO EXIST IN AREA. MODIFICATIONS TO EXISTING SYSTEMS MAY BE REQUIRED TO ACCOMMODATE NEW SYSTEM CONFIGURATION AND SHALL BE MADE BY THE CONTRACTOR WITHOUT EXTRA EXPENSE TO THE OWNER. THE DRAWINGS AND SPECIFICATIONS ARE FOR THE ASSISTANCE AND GUIDANCE OF THE CONTRACTOR. EXACT LOCATIONS, DISTANCES AND ELEVATIONS WILL BE GOVERNED BY ACTUAL CONDITIONS. THE CONTRACTOR SHALL EXAMINE THE CONTRACT DOCUMENTS AND FIELD CONDITIONS TO DETERMINE EXACT ROUTING AND FINAL TERMINATIONS FOR ALL NEW WORK.

ABBREVIATIONS

- A AMPERE
- ABV ABOVE
- AF AMP FRAME OR AMP FUSE
- AFF ABOVE FINISHED FLOOR
- ARCH ARCHITECTURAL
- AS AMP SWITCH
- AT AMP TRIP
- ATS AUTOMATIC TRANSFER SWITCH
- BKR BREAKER
- BLDG BUILDING
- C CONDUIT
- CATV CABLE TELEVISION
- CB CIRCUIT BREAKER
- CD CANDELAS
- CKT CIRCUIT
- CL CENTER LINE
- CLG CEILING
- CO CONDUIT ONLY
- CTR CENTER
- (D) DEMOLISH
- DET DETAIL
- DIM DIMENSION
- DISTR DISTRIBUTION
- DNRS DRAWING
- (E) EXISTING
- EM EMERGENCY
- EQPT EQUIPMENT
- FA FIRE ALARM
- FACP FIRE ALARM CONTROL PANEL
- (F) FUTURE
- FIN FINISH
- FL FLOOR
- G, GND GROUND
- HST HEIGHT
- HP HORSEPOWER
- IC INTERCOM
- IDF INTERMEDIATE DISTRIBUTION FRAME
- JB JUNCTION BOX
- KAIC KILOAMPERE INTERRUPTING CAPACITY
- KV KILOVOLT
- KVA KILOVOLT AMPERES
- KW KILOWATT
- LTS LIGHTING
- MCM THOUSAND CIRCULAR MILS
- MDF MAIN DISTRIBUTION FRAME
- MECH MECHANICAL
- MH MANHOLE
- MTD MOUNTED
- MTS MOUNTING
- (N) NEW
- NC NORMALLY CLOSED
- NIC NOT IN CONTRACT
- NEC NOT IN ELECTRICAL CONTRACT
- NO NUMBER NORMALLY OPEN
- NTS NOT TO SCALE
- O.C. ON CENTER
- P POLE CIRCUIT BREAKER
- PA PUBLIC ADDRESS
- PB PULL BOX
- PF POWER FACTOR
- PH PHASE
- PNL PANEL
- (R) EXISTING TO BE RELOCATED
- REQD REQUIRED
- REQT REQUIREMENT(S)
- RM ROOM
- RSG RIGID STEEL CONDUIT
- SHT SHEET
- SN SWITCH
- SWBD SWITCHBOARD
- TC TERMINAL CABINET
- TEL TELEPHONE
- TYP TYPICAL
- UON UNLESS OTHERWISE NOTED
- V VOLT
- W WATT
- WP WEATHERPROOF
- XFRM TRANSFORMER

SHEET NO.	ELECTRICAL SHEET TITLE
EO1	COVER SHEET
EO2	TITLE 24 EXTERIOR LIGHTING - PART 1
EO3	TITLE 24 EXTERIOR LIGHTING - PART 2
E11	ELECTRICAL LIGHTING SITE PLAN
E12	ELECTRICAL LIGHTING SITE PLAN
E13	WIRELESS ACCESS POINT & SECURITY CAMERA SITE PLAN
E14	WIRELESS ACCESS POINT & SECURITY CAMERA SITE PLAN
E21	SINGLE LINE DIAGRAM
E22	DATA AND SECURITY CAMERA RISER DIAGRAM
E41	ELECTRICAL DETAILS

FIXTURE SCHEDULE

TYPE	LAMPS	LED DRIVER	MOUNTING	DESCRIPTION	WEIGHT
A	105LA LED	AUTOMATIC DIMMING DRIVER BY MANUFACTURER	MOUNTED ON A 2" POLE WITH FLUSHED POLE BASE	POLE MOUNTED SINGLE/DOUBLE HEAD LUMINAIRE. FIXTURE HOUSING SHALL BE ONE PIECE DIE CAST ALUMINUM. FIXTURE EPA SHALL BE A MAXIMUM OF 35 FT ² . LENSED LED ARRAYS ARE SET TO ACHIEVE TYPE II DISTRIBUTION AND OPTICAL SYSTEMS ARE FIELD ROTATABLE UTILIZING HIGH PERFORMANCE CLASS II LED SYSTEMS. LUMINAIRE SHALL BE EQUIPPED WITH AN LED 0-10V DIMMING DRIVER THAT ACCEPTS 120V THROUGH 277V 60HZ INPUT. DRIVER OUTPUT SHALL BE BASED ON LED MATTAGE SELECTED. FINISH SHALL BE FADE AND ABRASION RESISTANT, ELECTROSTATICALLY APPLIED, THERMALLY CURED TGIC POLYESTER POWDERCOAT FINISH IN BRONZE COLOR. FIXTURE SHALL BE U.L. LISTED FOR WET LOCATION. POLES SHALL BE 20" HIGH, 4" STRAIGHT SQUARE STEEL. THE POLE SHAFT SHALL BE A SINGLE PIECE II GAUGE CARBON STEEL. THE FORMED STEEL PLATE SHALL BE LONGITUDINALLY WELDED PROVIDING MINIMUM YIELD STRENGTH OF 46KSI. THE ANCHOR BASE SHALL BE A-36 STRUCTURAL CARBON STEEL WITH A MINIMUM YIELD STRENGTH OF 36KSI. THE BASE PLATE SHALL TELESCOPE INTO THE POLE SHAFT AND BE CIRCUMFERENTIALLY WELDED ON THE TOP AND BOTTOM. ANCHOR BOLTS SHALL BE PROVIDED WITH THE POLE. ANCHOR BOLTS SHALL MEET OR EXCEED YIELD STRENGTH OF 50,000PSI. EACH ANCHOR BOLT SHALL BE PROVIDED WITH ALL HARDWARE NECESSARY FOR POLE INSTALLATION. BASE COVER SHALL BE TWO PIECE AND CONCEAL THE ENTIRE BASE PLATE AND ANCHORAGE. POLE SHALL BE PROVIDED WITH A HANDHOLE 12" ABOVE THE BASE. HANDHOLE SHALL BE PROVIDED WITH A COVER PLATE AND ATTACHMENT SCREWS. POLE SHALL ALSO BE PROVIDED WITH A POLE TOP CAP. FINISH SHALL BE TGIC POLYESTER POWDER COAT ELECTROSTATICALLY APPLIED AND THERMALLY CURED AND SHALL BE BLACK IN COLOR. POLES SHALL BE FACTORY DRILLED FOR PROPER FIXTURE INSTALLATION. ALL POLES SHALL BE PROPERLY LEVELLED AND VERTICAL. LIGHTING FIXTURE HEADS SHALL BE MOUNTED TO THE POLE PER THE MANUFACTURERS RECOMMENDATIONS. 6ARDCO - PUREFORM #P21-APD-MRI-A3-1-2105LA-GH-UV-BRD-PCB-SP3A OR APPROVED EQUAL 120V POLE - KW 55P-20-4-11-TED-DMO-BC OR APPROVED EQUAL	40 LBS

NO.	DESCRIPTION	DATE	BY	DATE

City of Morgan Hill
 Public Works Department
 17575 Peak Ave. Morgan Hill, CA 95037 (408)778-6480, Fax (408)779-7236

DEL MONTE AVE AND WEST 3RD STREET, MORGAN HILL, CA 95037

GENERAL NOTES, SYMBOL LIST, ABBREVIATIONS AND FIXTURE SCHEDULE
LITTLE LLAGAS CREEK PARK

FILE NUMBER:	1520400
PRINT DATE:	12/07/16
SHEET NUMBER:	EO.1

BID DRAWINGS

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
 1. I certify that this Certificate of Compliance documentation is accurate and complete.
 Documentation Author Name: [Signature]
 Signature Date: 8/24/2016
 Company: American Consulting Engr. Elec., Inc.
 Address: 1590 The Alameda Suite 200, San Jose, CA 95126
 City/State/Zip: San Jose, CA 95126
 Phone: 408-236-2312

RESPONSIBLE PERSON'S DECLARATION STATEMENT
 I certify the following under penalty of perjury, under the laws of the State of California:
 1. The information provided on this Certificate of Compliance is true and correct.
 2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
 3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
 4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
 5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.
 Responsible Designer Name: Sammy S. Fernandez
 Signature Date: [Signature]
 Company: American Consulting Engineers Electrical, Inc.
 Address: 1590 The Alameda Suite 200, San Jose, CA 95126
 City/State/Zip: San Jose, CA 95126
 License: E16890
 Phone: 408-236-2312

A. OUTDOOR LIGHTING POWER ALLOWANCE SUMMARY
 1. General Hardscape Lighting Power Allowance (Site Total from Section B of NRCC-LTO-03-E) 1. 2,735
 2. Additional Specific "use it or lose it" Lighting Power Allowances listed in each of these cells shall be identical to total allowed watts determined in Section C-1 to C-4 of NRCC-LTO-03-E.

PER APPLICATION from Section C-1	PER UNIT LENGTH (SALES FRONTAGE) from Section C-2	PER HARDSCAPE AREA (ORNAMENTAL LIGHTING) from Section C-3	PER SPECIFIC AREA from Section C-4	2.	0
0	0	0	0	3.	2,735

B. GENERAL HARDSCAPE LIGHTING POWER ALLOWANCE FROM TABLE 140.7-A

A	B	C	D	Linear Wattage Allowance (LWA)			H	I	
				E	F	G			
Name of area	Illuminated Hardscape Area	AWA Per Square Foot	AWA (B x C)	Perimeter Length of General Hardscape	LPA per Linear Foot	LWA (E x F)	IWA (Watts)	D + G + H	
Pathway Ltg	11,642	0.090	1,048	1,528	0.600	917	770	2,735	
								TOTAL	2,735

C. ADDITIONAL "USE IT OR LOSE IT" OUTDOOR LIGHTING POWER ALLOWANCES FOR SPECIFIC APPLICATIONS
 The additional specific outdoor lighting power allowance shall be the smaller of the allowed lighting power or the actual lighting power used.
 Use Outdoor Lighting Zone (OLZ) that is documented on page 1 of NRCC-LTO-03-E to calculate the specific wattage allowances.

C-1. WATTAGE ALLOWANCE PER APPLICATION - Table 140.7-B
 Available only for qualifying locations, which include Building Entrances or Exits; Primary Entrances to Senior Care Facilities, Police Stations, Hospitals, Fire Stations, and Emergency Vehicle Facilities; Drive Up Windows; Vehicle Service Station Uncovered Fuel Dispenser
 If more than one luminaire type is used per location, use multiple rows for that location

A	B	C	D	E	F	G	H	I	J
Name of Location for which allowance is claimed	Number of qualifying locations	Wattage Allowance per qualifying location	Allotted Watts (B x C)	Luminaire Code or Symbol	Luminaire Description	Luminaire Quantity	Watts per luminaire	Design Watts (G x H)	Allowed Watts (smaller of D or I)
Sum total allowance per application on this site: 0									

C-2. WATTAGE ALLOWANCE PER UNIT LENGTH (Sales Frontage) from Table 140.7-B
 If more than one luminaire type is used per location, use multiple rows for that location

A	B	C	D	E	F	G	H	I	J
Name of Location for which allowance is claimed	Linear feet of Sales Frontage	Wattage Allowance per linear foot	Allotted Watts (B x C)	Luminaire Code or Symbol	Luminaire Description	Luminaire Quantity	Watts per luminaire	Design Watts (G x H)	Allowed Watts (smaller of D or I)
Sum total allowance for sales frontage on the site: 0									

C-3. WATTAGE ALLOWANCE PER SQUARE FOOT OF HARDSCAPE AREA (Ornamental Lighting) - Table 140.7-B
 Allowance for the total site illuminated hardscape area. Luminaires qualifying for this allowance shall be rated for 100 watts or less as determined in accordance with Section 130.0(c), and shall be post-top luminaires, lanterns, pendant luminaires, or chandeliers.
 If more than one luminaire type is used per location, use multiple rows for that location

A	B	C	D	E	F	G	H	I	J
Name of area for which ornamental allowance is claimed	Square feet of Hardscape	Wattage Allowance per square foot	Allotted Watts (B x C)	Luminaire Code or Symbol	Luminaire Description	Luminaire Quantity	Watts per luminaire	Design Watts (G x H)	Allowed Watts (smaller of D or I)
Sum total allowance for ornamental lighting on the site: 0									

C-4. WATTAGE ALLOWANCE PER SQUARE FOOT OF SPECIFIC AREA - Table 140.7-B
 Allowances for Building Facades, Outdoor Sales Lots; Vehicle Service Station Canopies; Sales Canopies; Non-sales Canopies; Guard Stations; Student Pick-up/Drop-off zone; Outdoor Dining; Special Security Lighting for Retail Parking and Pedestrian Hardscape.
 If more than one luminaire type is used per location, use multiple rows for that location

A	B	C	D	E	F	G	H	I	J
Name of Location for which allowance is claimed	Illuminated Area of Application	Wattage Allowance per square foot	Allotted Watts (B x C)	Luminaire Code or Symbol	Luminaire Description	Luminaire Quantity	Watts per luminaire	Design Watts (G x H)	Allowed Watts (smaller of D or I)
Sum total allowance for specific area on the site: 0									

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
 1. I certify that this Certificate of Compliance documentation is accurate and complete.
 Documentation Author Name: [Signature]
 Signature Date: 8/24/2016
 Company: American Consulting Engr. Elec., Inc.
 Address: 1590 The Alameda Suite 200, San Jose, CA 95126
 City/State/Zip: San Jose, CA 95126
 Phone: 408-236-2312

RESPONSIBLE PERSON'S DECLARATION STATEMENT
 I certify the following under penalty of perjury, under the laws of the State of California:
 1. The information provided on this Certificate of Compliance is true and correct.
 2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
 3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
 4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
 5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.
 Responsible Designer Name: Sammy S. Fernandez
 Signature Date: [Signature]
 Company: American Consulting Engineers Electrical, Inc.
 Address: 1590 The Alameda Suite 200, San Jose, CA 95126
 City/State/Zip: San Jose, CA 95126
 License: E16890
 Phone: 408-236-2312

NO.	DESCRIPTION	DATE	BY	WORK ACCEPTED:	INSPECTOR:	DRAWN: MG	DESIGN: KC	HOR:	VERT:	JOB NUMBER: 135013
Revisions				APPROVED: [Signature]	DATE: 12/15/16	CITY OF MORGAN HILL		City of Morgan Hill Public Works Department		17575 Peak Ave. Morgan Hill, CA 95037 (408)778-6480, Fax (408)779-7236
				DEL MONTE AVE AND WEST 3RD STREET, MORGAN HILL, CA 95037				TITLE 24 EXTERIOR LIGHTING - PART 2 LITTLE LLAGAS CREEK PARK		FILE NUMBER: 1520400 PRINT DATE: 12/07/16 SHEET NUMBER: E0.3



BID DRAWINGS

GENERAL NOTES:

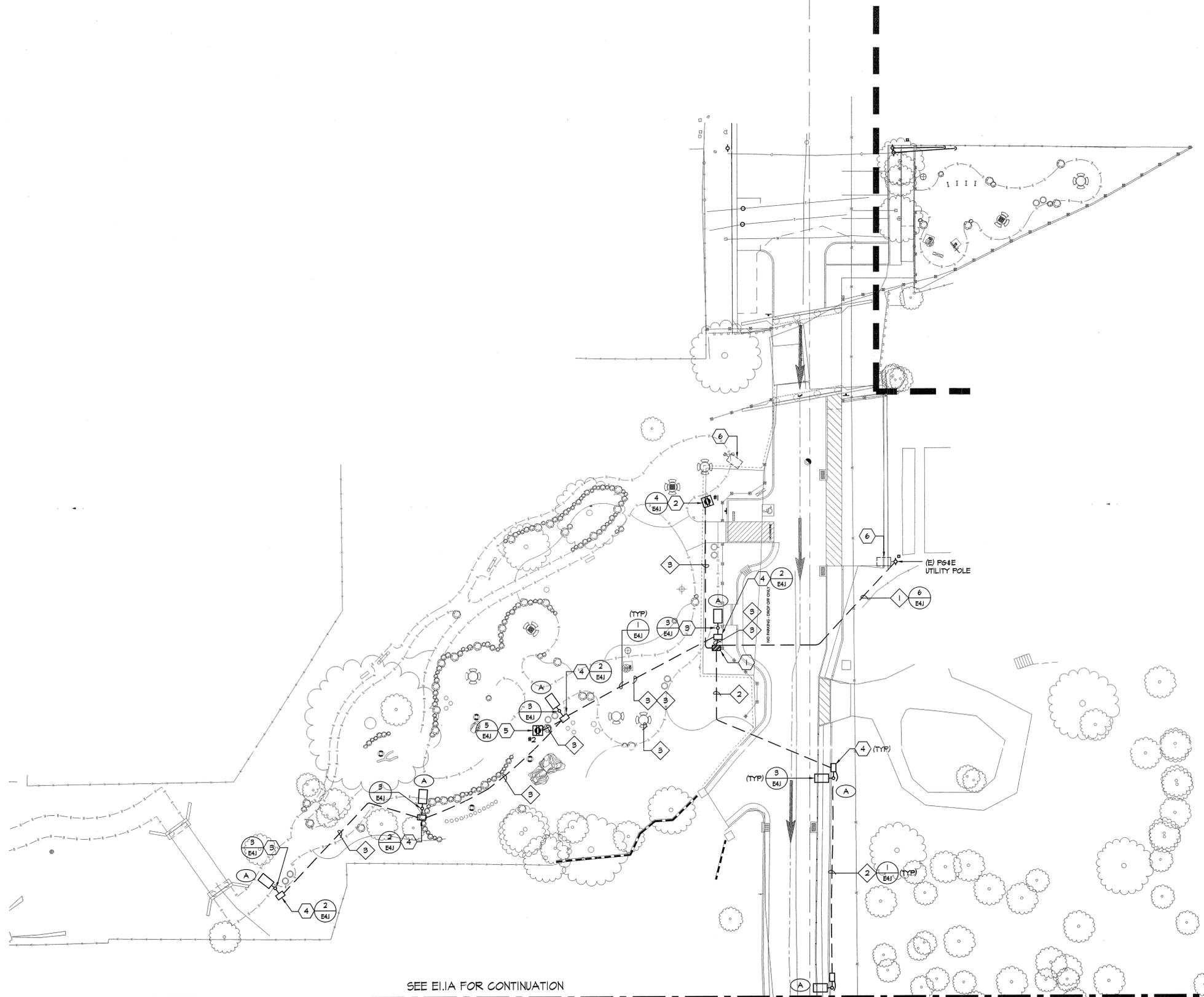
1. SEE SINGLE LINE DIAGRAM FOR POWER CABLE REQUIREMENTS. ALL CABLES ARE DESIGNED AND SIZED FOR VOLTAGE DROPS.
2. CONTRACTOR SHALL DO HAND DIG WHEN THE TRENCHING IS CLOSE TO THE EXISTING TREES.
3. SEE CIVIL DRAWING FOR EXACT LIGHT FIXTURE LOCATION.
4. PROVIDE TRAFFIC RATED LID FOR ALL PULL BOXES.

SHEET NOTES:

- 1 NEW PEDESTAL METER PANEL, 100A, 120/208V, 3-PHASE, NEMA-3R.
- 2 NEW FLOOR-MOUNTED NEMA-3R ENCLOSURE WITH BUILT-IN FAN.
- 3 NEW SECURITY CAMERA MOUNTED ON LIGHT POLE. SEE EI.2 & RISER DIAGRAM FOR ADDITIONAL REQUIREMENT.
- 4 NEW POWER PULL BOX, LABEL LID "POWER".
- 5 NEW PEDESTAL RECEPTACLE.
- 6 EXISTING LIGHT POLE TO REMAIN.

CONDUIT SCHEDULE:

- 1 NEW 3" - P64E.
- 2 NEW 2" - PEDESTRIAN LIGHT.
- 3 NEW 1-1/4" - PARK LIGHT/ POWER.



SEE EI.1A FOR CONTINUATION

1 ELECTRICAL LIGHTING SITE PLAN

E1.1 SCALE: 1" = 20'-0"



American Consulting Engineers
Electrical, Inc.

1920 The Alameda Suite 200
San Jose, CA 95128
JOB #E16140.00



NO.	DESCRIPTION	DATE	BY	DATE
Revisions				

WORK ACCEPTED:	INSPECTOR:	DRAWN: MG	DESIGN: KC	HOR:
		CHECKED: SF		VERT:
APPROVED:	DATE:	JOB NUMBER: 135013		

City of Morgan Hill
Public Works Department

17575 Peak Ave. Morgan Hill, CA 95037 (408)778-6480, Fax (408)779-7236

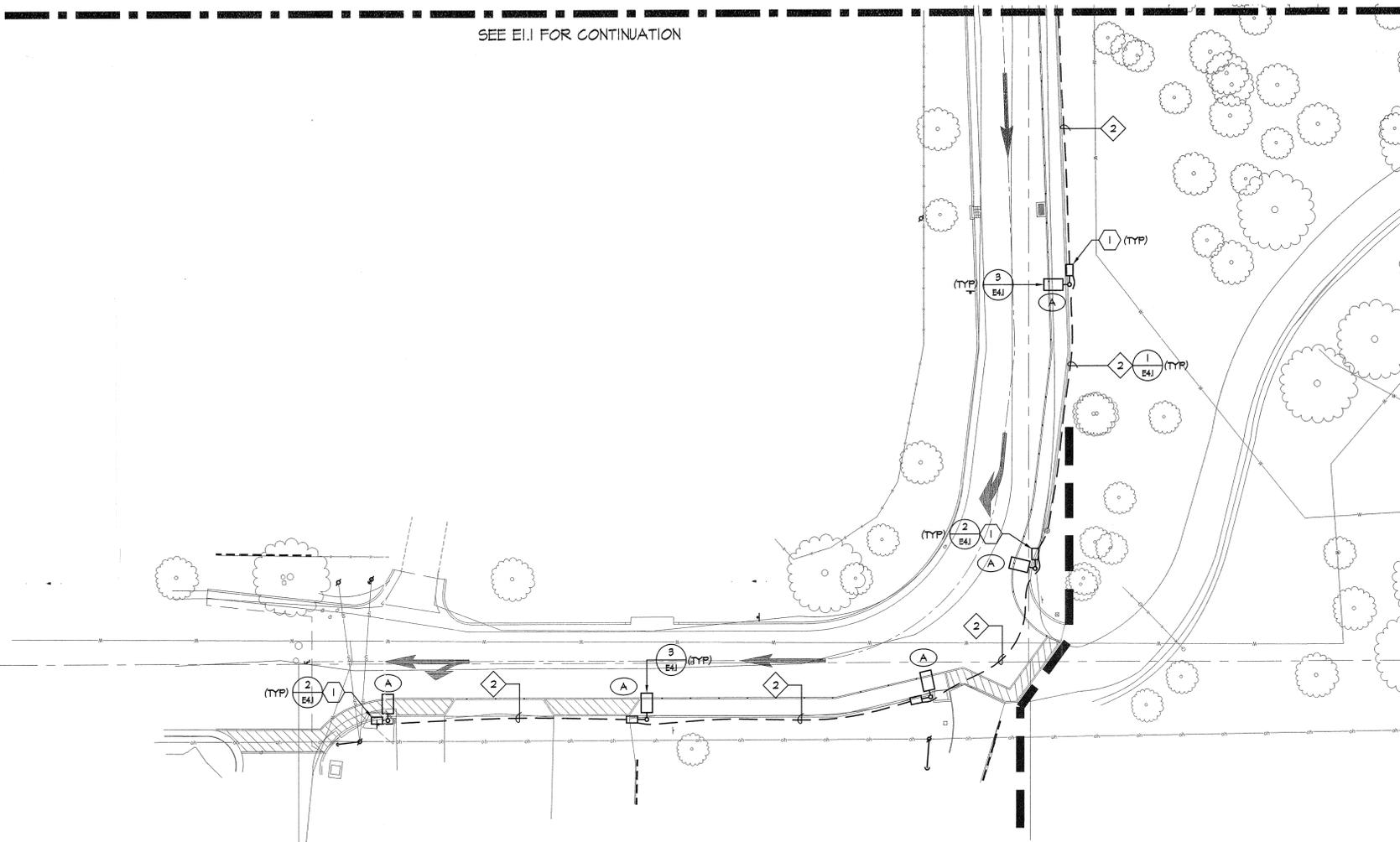
DEL MONTE AVE AND
WEST 3RD STREET,
MORGAN HILL,
CA 95037

ELECTRICAL LIGHTING SITE PLAN
LITTLE LLAGAS CREEK PARK

FILE NUMBER: 1520400
PRINT DATE: 12/07/16
SHEET NUMBER: E1.1

BID DRAWINGS

SEE E1.1 FOR CONTINUATION



GENERAL NOTES:

1. SEE SINGLE LINE DIAGRAM FOR POWER CABLE REQUIREMENTS. ALL CABLES ARE DESIGNED AND SIZED FOR VOLTAGE DROPS.
2. PROVIDE TRAFFIC RATED LID FOR ALL PULL BOXES.

SHEET NOTES:

- ① NEW LIGHTING 'N1' FULL BOX. LABEL LID 'POWER'.

CONDUIT SCHEDULE:

- ① NEW 3" - P64E.
- ② NEW 2" - PEDESTRIAN LIGHT.
- ③ NEW 1-1/4" - PARK LIGHT/ POWER.

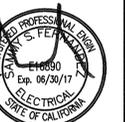
1 ELECTRICAL LIGHTING SITE PLAN

E1.2 SCALE: 1" = 20'-0"



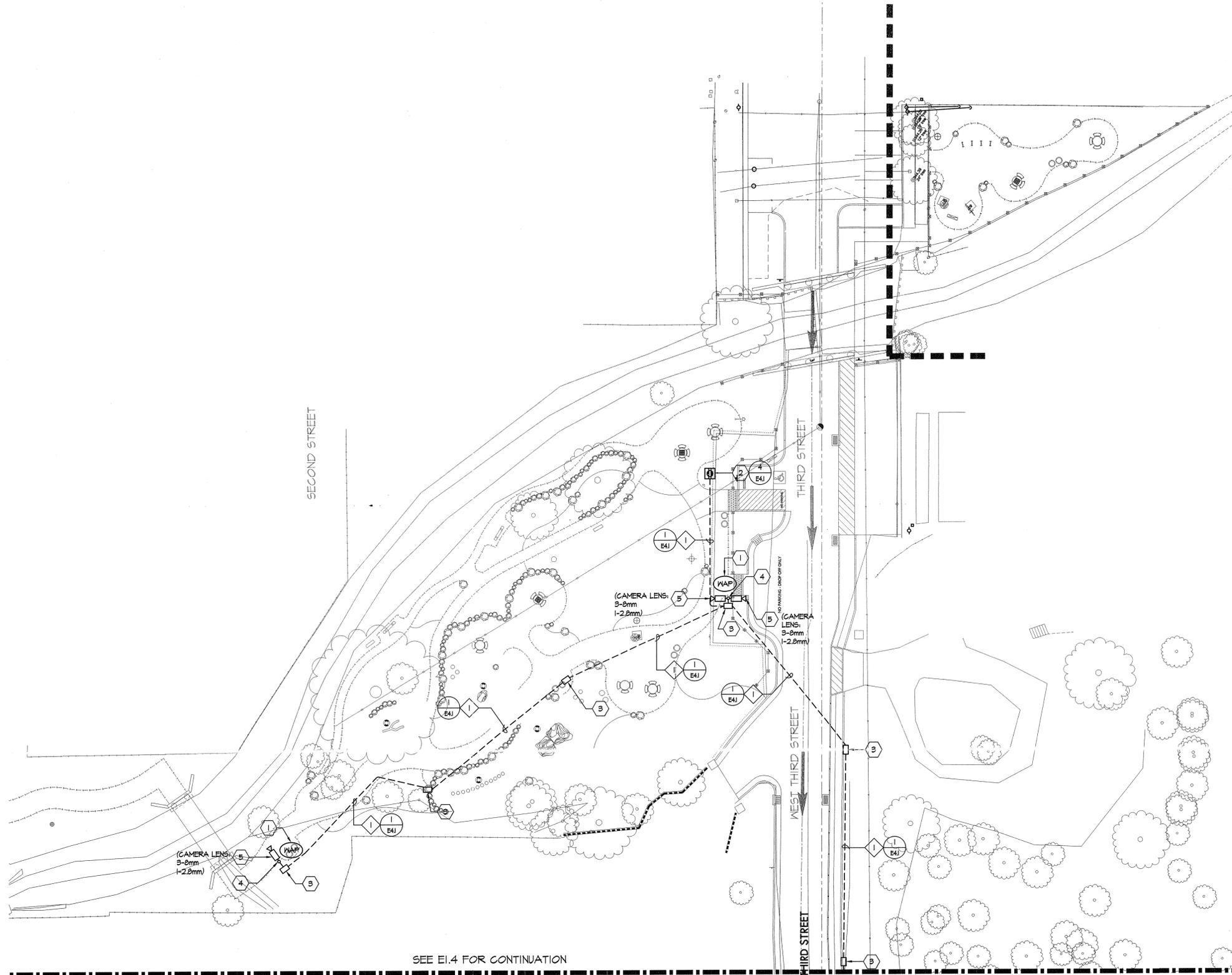
American Consulting Engineers
Electrical, Inc.

1580 The Alameda Suite 200 408/238-2312
San Jose, CA 95126 Fax: 408/238-2312
JOB #E16140.00



NO.		DESCRIPTION		DATE	BY	BY:	DATE:	WORK ACCEPTED:	INSPECTOR:	DRAWN: MG	DESIGN: KC	HOR:	VERT:	CITY OF MORGAN HILL	City of Morgan Hill Public Works Department	DEL MONTE AVE AND WEST 3RD STREET, MORGAN HILL, CA 95037	ELECTRICAL LIGHTING SITE PLAN LITTLE LLAGAS CREEK PARK	FILE NUMBER: 1520400	PRINT DATE: 12/07/16	SHEET NUMBER: E1.2
										CHECKED: SF				17575 Peak Ave. Morgan Hill, CA 95037 (408)778-6480, Fax (408)779-7236						
										APPROVED: <i>K. Buehler</i>										
										KARL D. BUEHLER - CITY ENGINEER REG. 39416 EXP. 12/31/2017										

BID DRAWINGS



GENERAL NOTES:

1. SEE DATA/ SECURITY CAMERA RISER DIAGRAM FOR ADDITIONAL REQUIREMENT.
2. PROVIDE TRAFFIC RATED LID FOR ALL PULL BOXES.

SHEET NOTES:

1. NEW WIRELESS ACCESS POINT (WAP) MOUNTED ON TOP OF LIGHT POLE.
2. NEW NEMA 3R ENCLOSURE TO HOUSE DATA & SECURITY EQUIPMENT. SEE DETAIL & DATA/ SECURITY RISER FOR REQUIREMENT.
3. NEW PULL BOX. LABEL AS "SIGNAL". STUB NEW 1" CONDUIT FROM SIGNAL PULL BOX INTO LIGHT POLE SIGNAL COMPARTMENT.
4. 20' HIGH LIGHT POLE. SEE E1.1 FOR INSTALLATION REQUIREMENT.
5. NEW SECURITY CAMERA MOUNTED AT 15' ON LIGHT POLE.

CONDUIT SCHEDULE:

- 1. NEW 4" CONDUIT - SIGNAL.

1 WIRELESS ACCESS POINT & SECURITY CAMERA SITE PLAN
E1.3 SCALE: 1" = 20'-0"

**American Consulting Engineers
Electrical, Inc.**
1590 The Alameda, Suite 200
San Jose, CA 95126
408/236-2312
408/236-2316
Fax: 408/236-2316



NO.	DESCRIPTION	DATE	BY	DATE
Revisions				

WORK ACCEPTED:	INSPECTOR:	DRAWN: MG	DESIGN: KC	HOR:
		CHECKED: SF		VERT:
APPROVED: <i>K. D. Blalock</i>	DATE: 12/15/16	JOB NUMBER: 135013		
KARL D. BLALOCK - CITY ENGINEER RCE 38418 Exp. 12/31/2017				

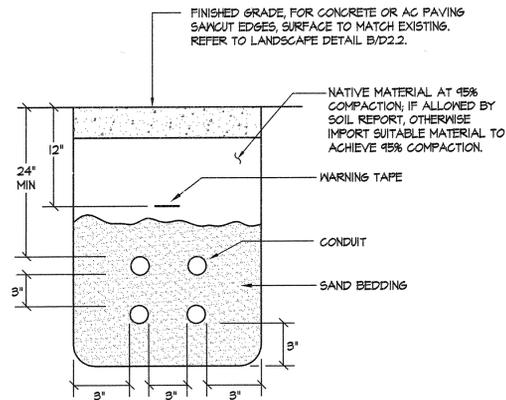
**City of Morgan Hill
Public Works Department**
17575 Peak Ave. Morgan Hill, CA 95037 (408)778-6480, Fax (408)779-7236

DEL MONTE AVE AND
WEST 3RD STREET,
MORGAN HILL,
CA 95037

**WIRELESS ACCESS POINT & SECURITY CAMERA SITE PLAN
LITTLE LLAGAS CREEK PARK**

FILE NUMBER: 1520400
PRINT DATE: 12/07/16
SHEET NUMBER: E1.3

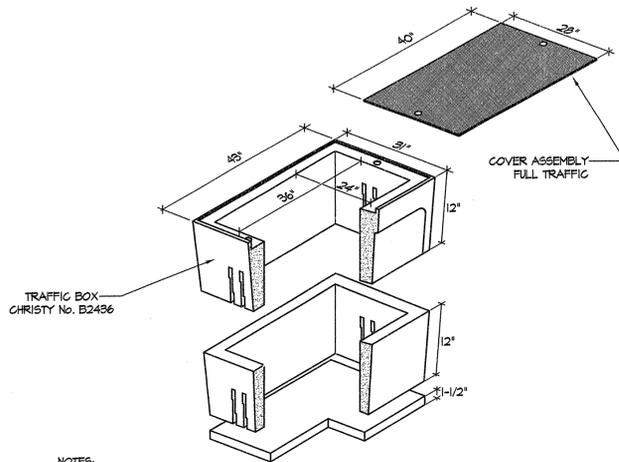
BID DRAWINGS



1. COORDINATE TRENCH CONDUIT LAYOUT WITH OTHER CONDUIT SYSTEMS.

1 TYPICAL TRENCH DETAIL

E4.1 SCALE: NOT TO SCALE

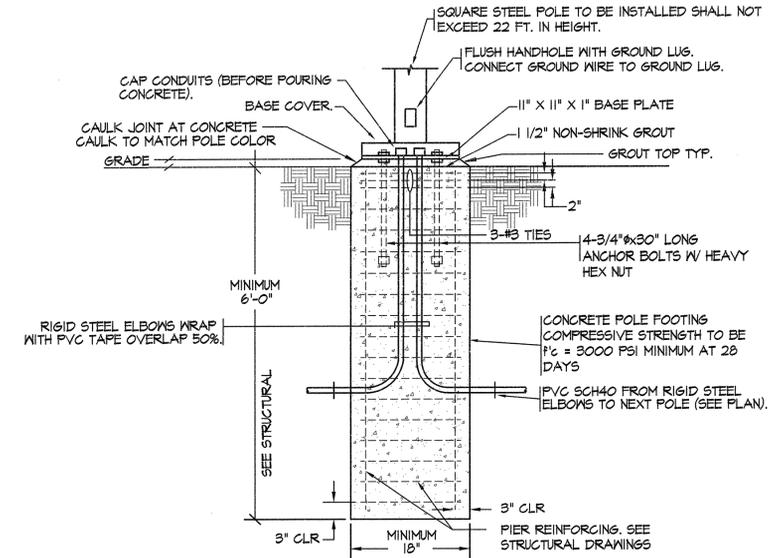


NOTES:

1. HIGH DENSITY REINFORCED CONCRETE BOX WITH NON-SETTING SHOULDERS POSITIONED TO MAINTAIN GRADE AND FACILITATE BACK FILLING. APPROXIMATE DIMENSIONS SHOWN.
2. ALL CONDUITS SHALL ENTER FROM SIDES OF FULL BOX. CONTRACTOR SHALL PROVIDE FULL BOX EXTENSION AS REQUIRED. NO CONDUITS SHALL BE ALLOWED FROM THE BOTTOM OF THE FULL BOX.
3. CONTRACTOR SHALL STACK CONDUITS AS REQUIRED TO MEET THE NEC CODE REQUIREMENTS.
4. PROVIDE BELL ENDS ON ALL CONDUIT.
5. PROVIDE 6" CONCRETE SLURRY AROUND BOX.
6. ALL PENETRATIONS INTO BOXES SHALL BE SEALED WITH GROUT.

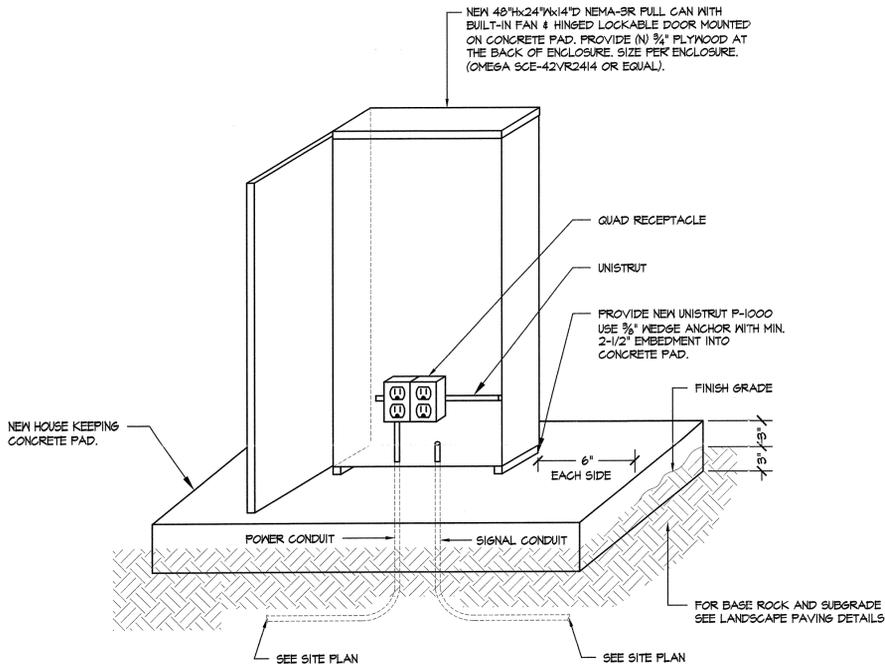
2 B2436 ELECTRICAL VAULT

E4.1 NOT TO SCALE (FULL TRAFFIC COVER)



3 FLUSHED POLE BASE DETAIL

E4.1 NOT TO SCALE

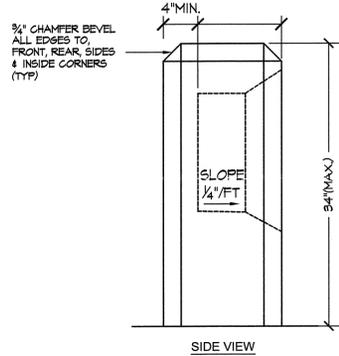


4 NEMA-3R POWER VENTED OUTDOOR IDF ENCLOSURE MOUNTED ON CONCRETE PAD

E4.1 SCALE: NOT TO SCALE

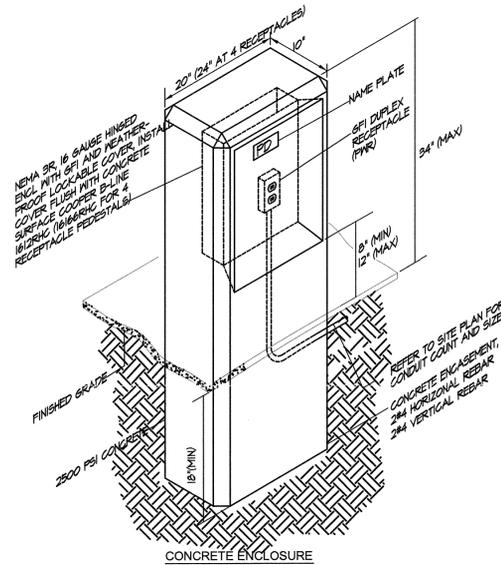
NOTE:

1. COMPACT BACKFILL MATERIAL AROUND CONCRETE PEDESTAL TO 95% OF MAXIMUM DRAIN INTENSITY
2. REFER TO SITE PLAN FOR CONDUIT SIZE AND QUANTITY.
3. CONDUIT SIZE VARIES. REFER TO SITE PLAN FOR SPECIFIC LOCATION AND SIZE.



5 OUTDOOR GFCI RECEPTACLE DETAIL

E4.1 SCALE: NOT TO SCALE



6 PG&E TRENCH DETAIL SECONDARY SIDE

E4.1 SCALE: NOT TO SCALE

**American Consulting Engineers
Electrical, Inc.**
1980 The Alameda Suite 200
San Jose, CA 95128
408/236-2312
408/236-2316
JOB #E16140.00



NO.	DESCRIPTION	DATE	BY	DATE

WORK ACCEPTED: INSPECTOR: DRAWN: MG DESIGN: KC HOR: CHECKED: SF VERT: APPROVED: KARL D. MARKE - CITY ENGINEER REG. 39476 EXP. 12/31/2017 DATE: 12/15/16 JOB NUMBER: 135013

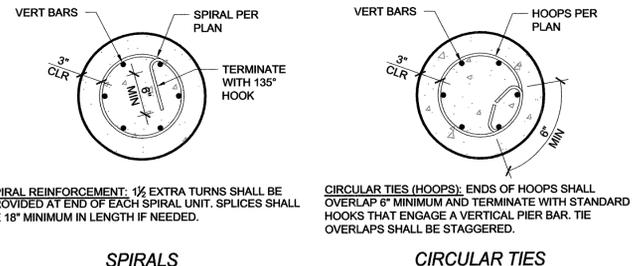
**City of Morgan Hill
Public Works Department**
17575 Peak Ave. Morgan Hill, CA 95037 (408)778-6480, Fax (408)779-7236

DEL MONTE AVE AND WEST 3RD STREET, MORGAN HILL, CA 95037

**ELECTRICAL DETAILS
LITTLE LLAGAS CREEK PARK**

FILE NUMBER: 1520400
PRINT DATE: 12/07/16
SHEET NUMBER: E4.1

BID DRAWINGS

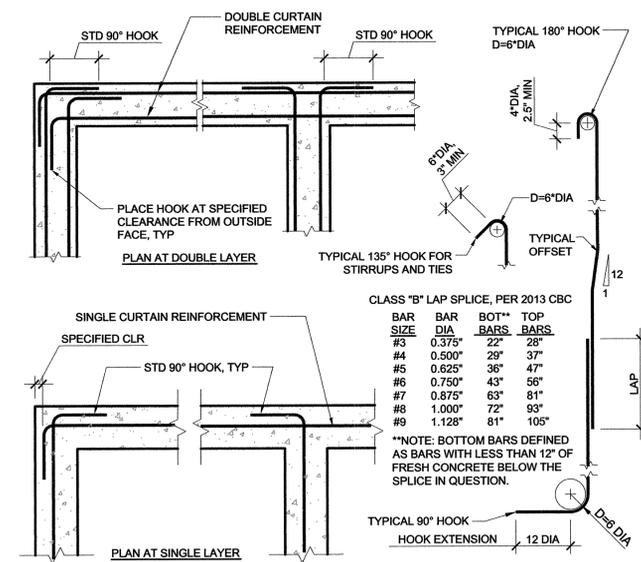


SPIRAL REINFORCEMENT: 1/2 EXTRA TURNS SHALL BE PROVIDED AT END OF EACH SPIRAL UNIT. SPLICES SHALL BE 18" MINIMUM IN LENGTH IF NEEDED.

CIRCULAR TIES (HOOPS): ENDS OF HOOPS SHALL OVERLAP 6" MINIMUM AND TERMINATE WITH STANDARD HOOKS THAT ENGAGE A VERTICAL PIER BAR. TIE OVERLAPS SHALL BE STAGGERED.

SPIRALS

CIRCULAR TIES



CLASS "B" LAP SPLICE, PER 2013 CBC

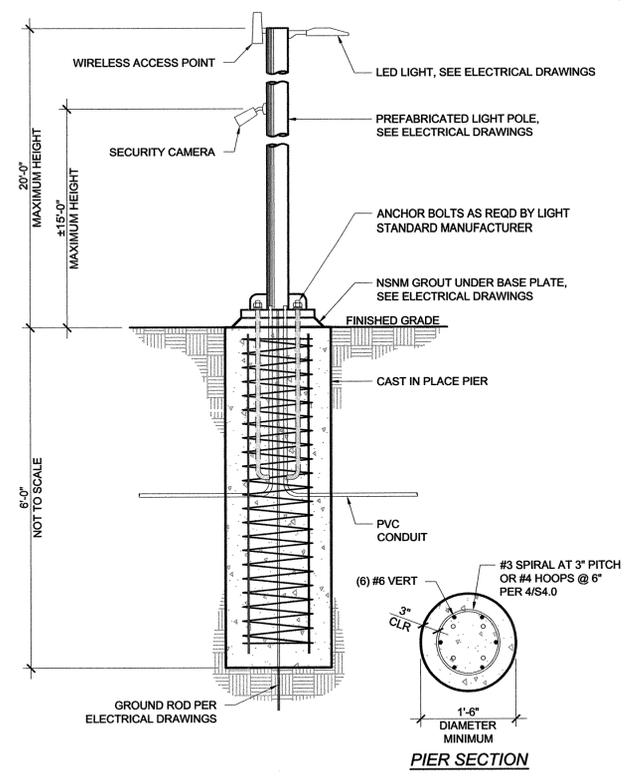
BAR SIZE	BAR DIA	BOT** BARS	TOP BARS
#3	0.375"	22"	28"
#4	0.500"	29"	37"
#5	0.625"	36"	47"
#6	0.750"	43"	56"
#7	0.875"	63"	81"
#8	1.000"	72"	93"
#9	1.128"	81"	105"

**NOTE: BOTTOM BARS DEFINED AS BARS WITH LESS THAN 12" OF FRESH CONCRETE BELOW THE SPLICE IN QUESTION.

TYP REINF - CONCRETE

SCALE: NTS

2



SECURITY CAMERA PIER FOOTING

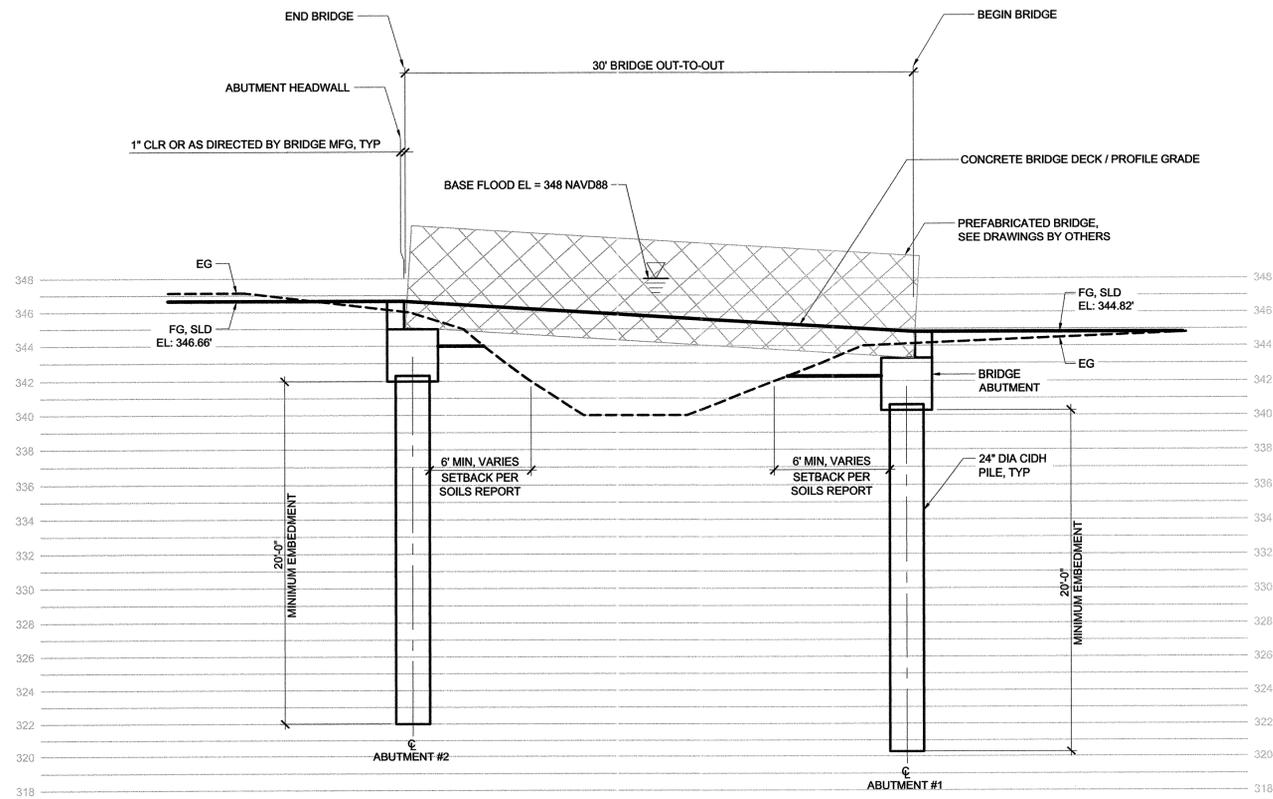
SCALE: 3/4" = 1'-0"

1

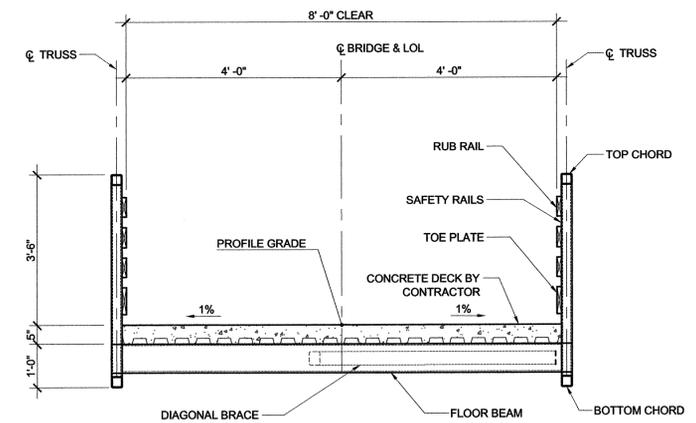


NO.		DESCRIPTION	DATE	BY	DATE
Revisions					
WORK ACCEPTED:	INSPECTOR:	DRAWN: PD/ED	DESIGN: PD/ED	HOR: AS NOTED	VERT: AS NOTED
CHECKED: DH	DATE: 12/15/16	APPROVED: [Signature]	DATE: 12/15/16	JOB NUMBER: 15245	
KARL D. BURKE - CITY ENGINEER		RCE 35417 EXP 12/31/2017			
City of Morgan Hill Public Works Department 17575 Peak Ave. Morgan Hill, CA 95037 (408)778-6480, Fax (408)779-7236		Mesiti-Miller Engineering, Inc. Civil and Structural Engineering 831-426-5185 www.myme.com		DEL MONTE AVE AND WEST 3RD STREET, MORGAN HILL, CA 95037	
PIER FOUNDATION DETAILS LITTLE LLAGAS CREEK PARK			FILE NUMBER: 1520400 PRINT DATE: 12/8/16 SHEET NUMBER: S1.0		

BID DRAWINGS



(BRIDGE ELEVATIONS AND FINISHED GRADES DEPICTED ABOVE ARE BY VERDE DESIGN, INC.)
PEDESTRIAN BRIDGE ELEVATION
 SCALE: 1" = 5'



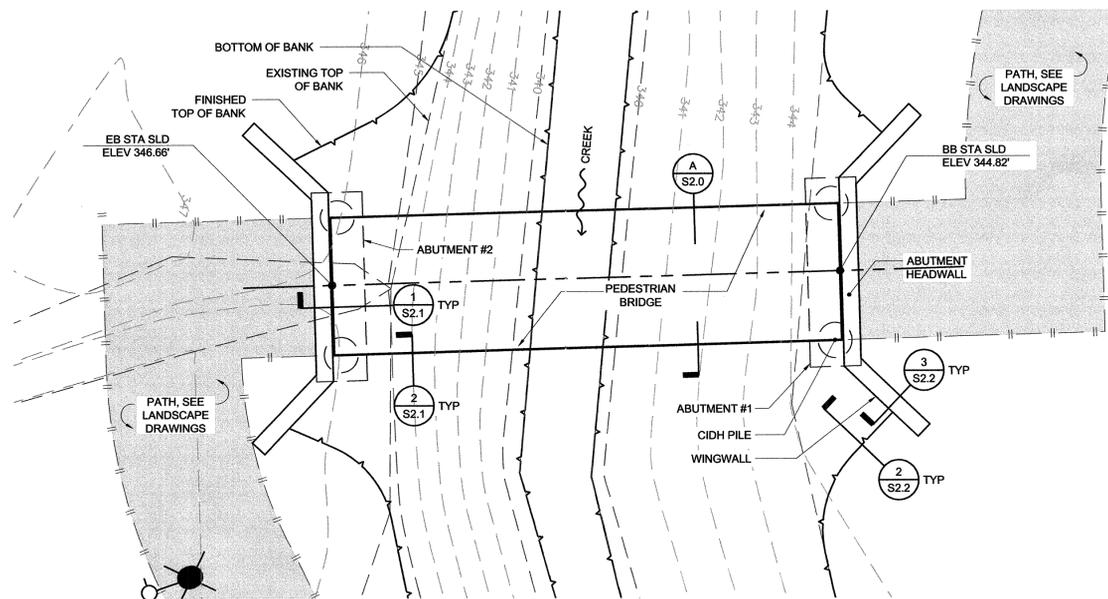
PEDESTRIAN BRIDGE SECTION
 SCALE: 1/2" = 1'-0"

GENERAL NOTES

1. PEDESTRIAN BRIDGE SHALL BE A PREFABRICATED STEEL TRUSS BRIDGE PER SPECIFICATIONS.
2. PREFABRICATED STEEL TRUSS BRIDGE SHOWN IS A SCHEMATIC ONLY. ACUTUAL BRIDGE MAY VARY. SEE SPECIFICATIONS FOR BRIDGE CAMBER NOT SHOWN.
3. FINISH GRADE SHOWN IS APPROXIMATE. SEE GRADING PLANS FOR FINISH GRADE ELEVATION NEAR ABUTMENTS.

CONSTRUCTION NOTES

1. CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS, ELEVATIONS, CONTROLLING FIELD DIMENSIONS AND CONDITIONS PRIOR TO CONSTRUCTION, ORDERING AND/OR FABRICATING ANY MATERIALS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.
2. CONTRACTOR SHALL VERIFY ALL EMBEDDED ITEM LOCATIONS WITH PREFABRICATED BRIDGE MANUFACTURER.
3. SEE LANDSCAPE DRAWINGS FOR TRAIL ALIGNMENT, LAYOUT AND SURVEY CONTROL INFORMATION.
4. ALL EXPOSED CONCRETE CORNERS SHALL HAVE A CHAMFER OF 3/4" UNO.
5. CONTRACTOR SHALL VERIFY BRIDGE LENGTHS FROM LOCATIONS OF NEW ABUTMENTS PRIOR TO ORDERING PREFABRICATED BRIDGE.



PEDESTRIAN BRIDGE PLAN
 SCALE: 1" = 5'

ABUTMENT DESIGN CRITERIA

GRAVITY DESIGN CRITERIA PER AASHTO LRFD GUIDE SPECIFICATION FOR DESIGN OF PEDESTRIAN BRIDGES:

BRIDGE DEAD LOAD	35 KIPS (SUPERSTRUCTURE ONLY)
PEDESTRIAN LOAD	90 PSF (NON-CONCURRENT W/ VEHICLE LOAD)
VEHICLE LOAD	AASHTO H-5

SEISMIC DESIGN CRITERIA PER ASCE 7-10:

ANALYSIS PROCEDURE USED	EQUIVALENT LATERAL FORCE PROCEDURE
SITE CLASS	D
SEISMIC DESIGN CATEGORY	D
SEISMIC IMPORTANCE FACTOR	1.0
SEISMIC FOR RESISTING SYST	SPECIAL REINFORCED CONCRETE PIERS

Ss, S1, SDs, SD1	1.509, 0.60, 1.006, 0.60
R	2.5 (RESPONSE MOST SIMILAR TO CANTILEVERED COL SYSTEM)
Cs	0.40
DESIGN BASE SHEAR	30 KIPS

WIND DESIGN CRITERIA:

BASIC WIND SPEED	110 MPH
WIND EXPOSURE	C

SOIL DESIGN CRITERIA FROM SOILS REPORT BY LAI AND ASSOCIATES DATED MAY 9, 2016:

SOIL BEARING CAPACITY	END BEARING NOT USED
SKIN FRICTION	BELOW STREAM BED EL: 600 PSF
PASSIVE PRESSURE	BELOW STREAM BED EL: 300 PSF/FT ACTING ON 1.5x PIER DIAMETER, NEGLECT UPPER 3.0 FT
ACTIVE EARTH PRESSURE	45 PSF/FT
LIVE LOAD SURCHARGE	90 PSF

HYDROSTATIC LOADS:
 IN ACCORDANCE WITH DIRECTION PROVIDED BY VERDE DESIGN INC., BASED ON INFORMATION PROVIDED BY LOCAL JURISDICTION, ABUTMENT DESIGN DOES NOT REQUIRE EFFECTS OF HYDROSTATIC, HYDRODYNAMIC OR DEBRIS FORCES DUE TO ANTICIPATED HIGH WATER EVENTS.

ABBREVIATIONS:

ABUT	ABUTMENT
ACI	AMERICAN CONCRETE INSTITUTE
BB	BEGIN BRIDGE
BOT	BOTTOM
CIDH	CAST-IN-DRILLED-HOLE
CL	CENTER LINE
CLR	CLEAR
CONC	CONCRETE
EB	END BRIDGE
EG	EXISTING GRADE
ELEV	ELEVATION
FG	FINISH GRADE
LOL	LAYOUT LINE
SAD	SEE ARCHITECTURAL DRAWINGS
SLD	SEE LANDSCAPE DRAWINGS
STA	STATION
TYP	TYPICAL
T/O	TOP OF
WSE	WATER SURFACE ELEVATION
UNO	UNLESS NOTED OTHERWISE

NO.	DESCRIPTION	DATE	BY	DATE
	Revisions			

City of Morgan Hill
 Public Works Department
 17575 Peak Ave. Morgan Hill, CA 95037 (408)778-6480, Fax (408)779-7236

Mesiti-Miller Engineering, Inc.
 Civil and Structural Engineering
 831-426-3198 www.m-m-e.com

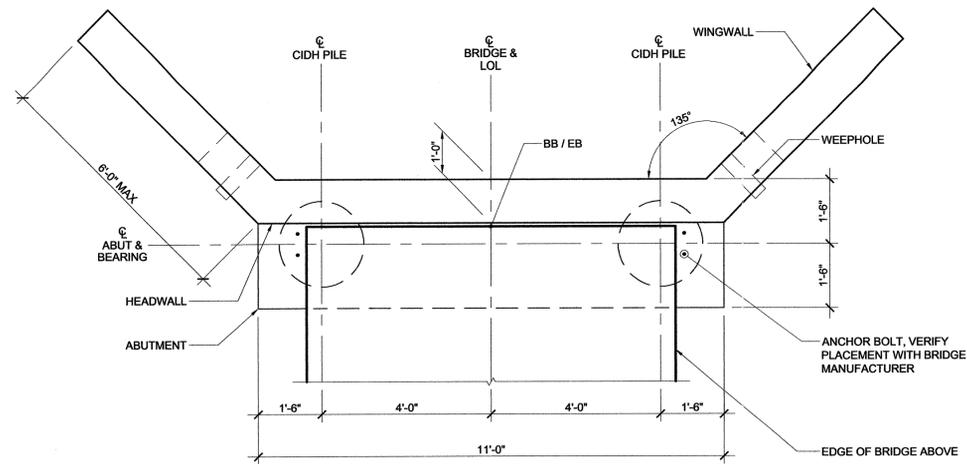
DEL MONTE AVE AND WEST 3RD STREET, MORGAN HILL, CA 95037

PEDESTRIAN BRIDGE GENERAL PLAN
LITTLE LLAGAS CREEK PARK

FILE NUMBER: 1520400
 PRINT DATE: 12/8/16
 SHEET NUMBER: **S2.0**



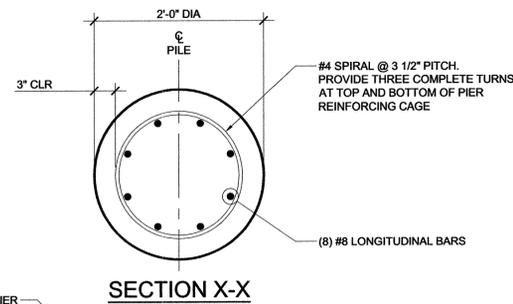
BID DRAWINGS



ABUTMENT PLAN

SCALE: 1/2" = 1'-0"

4



SECTION X-X

EXTEND VERT PIER REINFORCING TO TOP OF PIER CAP. TERMINATE WITH STD 180 DEGREE HOOK OR HEADED BAR TERMINATOR

TERMINATE SPIRAL REINFORCING WITH THREE COMPLETE TURNS

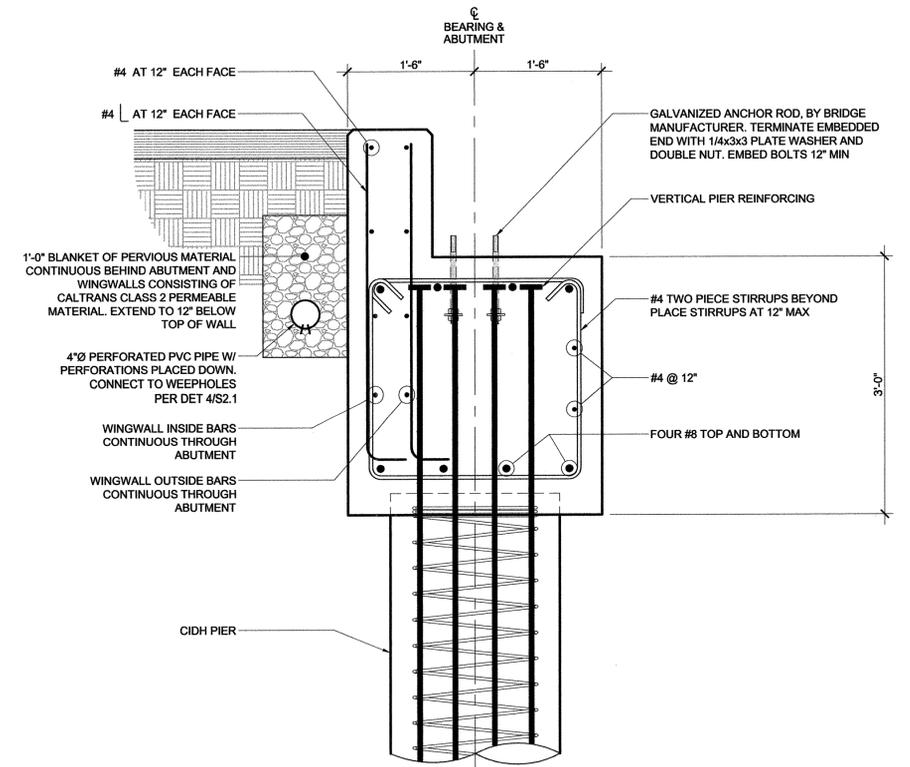
SPLICES IN VERTICAL REINFORCING NOT ALLOWED

NOTE: PILES TO BE CAST IN DRY OR DEWATERED HOLES.

CIDH PILE DETAIL

SCALE: 1" = 1'-0"

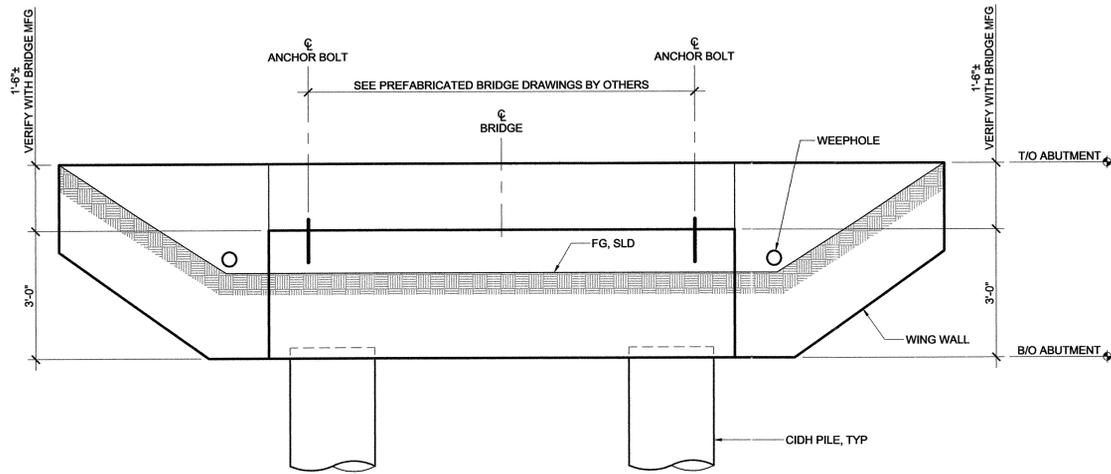
3



ABUTMENT SECTION

SCALE: 1" = 1'-0"

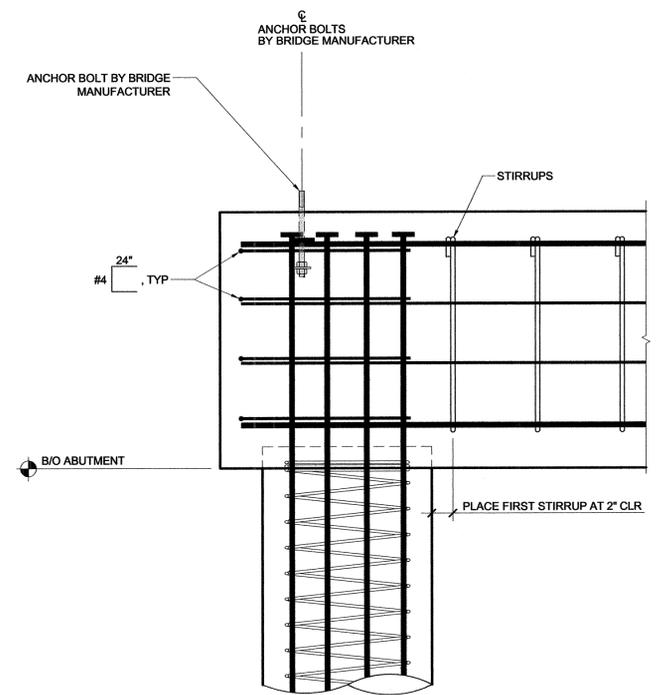
1



ABUTMENT ELEVATION

SCALE: 1/2" = 1'-0"

5



ABUTMENT SECTION

SCALE: 1" = 1'-0"

2

NO.	DESCRIPTION	DATE	BY	DATE
Revisions				
WORK ACCEPTED:	INSPECTOR:	DRAWN: PD/ED	DESIGN: PD/ED	HOR: AS NOTED
		CHECKED: DH		VERT: AS NOTED
APPROVED: <i>[Signature]</i>	DATE: 12/18/16	JOB NUMBER: 15245		
KARL D. RABALA - CITY ENGINEER RCE 39416 EXP 12/31/2017				

City of Morgan Hill
Public Works Department

17575 Peak Ave. Morgan Hill, CA 95037 (408)778-6480, Fax (408)779-7236

Mesiti-Miller Engineering, Inc.
Civil and Structural Engineering
831-426-3186 www.mme.com

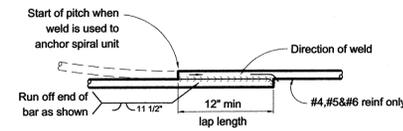
DEL MONTE AVE AND WEST 3RD STREET, MORGAN HILL, CA 95037

PEDESTRIAN BRIDGE ABUTMENT DETAILS
LITTLE LLAGAS CREEK PARK

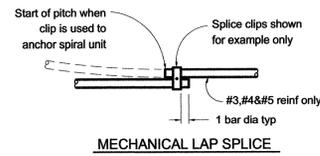
FILE NUMBER: 1520400
PRINT DATE: 12/8/16
SHEET NUMBER: **S2.1**



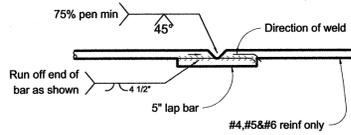
BID DRAWINGS



NOTE: FLARE WELD TO BE MADE IN DIRECTION SHOWN
WELDED LAP SPLICE



MECHANICAL LAP SPLICE



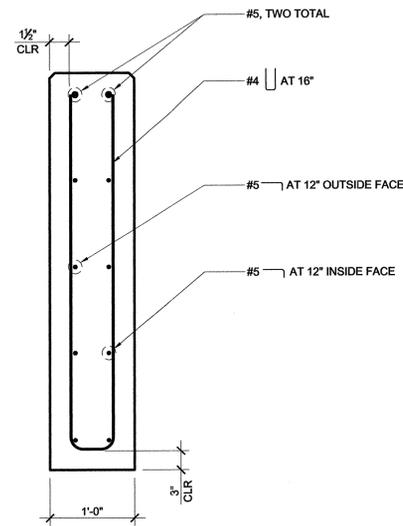
- Notes:
1. Butt weld to be made first
 2. Butt weld to be made in flat or horiz position
 3. Lap bar to be centered on splice
 4. Flare weld to be made in direction shown
 5. Lap bar to be equal in size to spiral bar

VEE GROOVE WELDED SPLICE OPTION

BAR SPIRAL SPLICE AND ANCHOR DETAIL

SCALE: NO SCALE

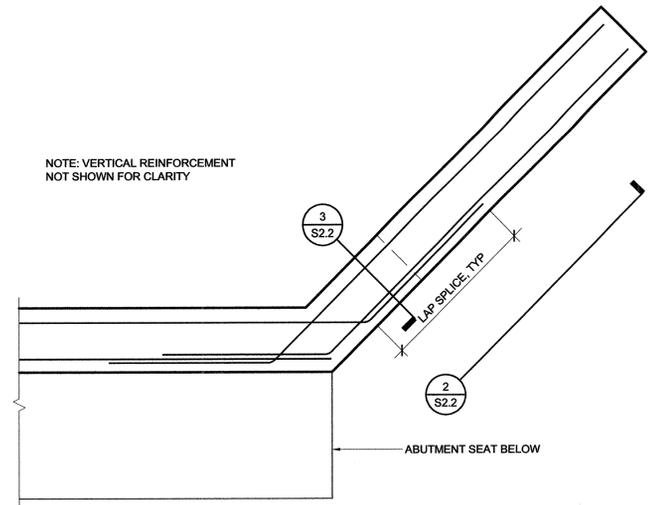
4



WINGWALL SECTION

SCALE: 1" = 1'-0"

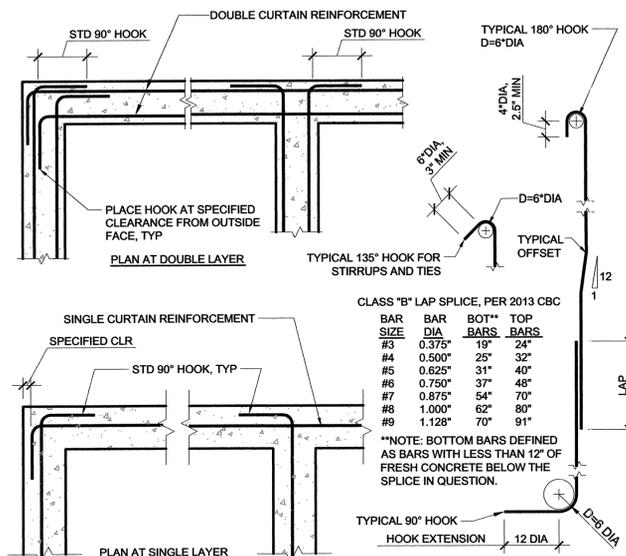
3



WINGWALL CORNER DETAIL

SCALE: 3/4" = 1'-0"

1



CLASS "B" LAP SPLICE, PER 2013 CBC

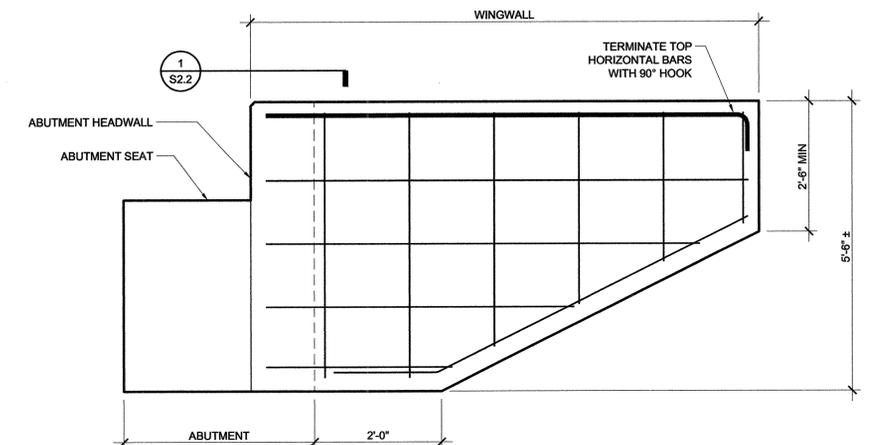
BAR SIZE	BAR DIA	BOT" BARS	TOP BARS
#3	0.375"	19"	24"
#4	0.500"	25"	32"
#5	0.625"	31"	40"
#6	0.750"	37"	48"
#7	0.875"	54"	70"
#8	1.000"	62"	80"
#9	1.128"	70"	91"

**NOTE: BOTTOM BARS DEFINED AS BARS WITH LESS THAN 12" OF FRESH CONCRETE BELOW THE SPLICE IN QUESTION.

TYP REINF - CONCRETE

SCALE: NTS

5



WINGWALL ELEVATION

SCALE: 3/4" = 1'-0"

2

NO.	DESCRIPTION	DATE	BY	DATE
Revisions				

WORK ACCEPTED:	INSPECTOR:	DRAWN: PD/ED	DESIGN: PD/ED	HOR: AS NOTED
		CHECKED: DH		VERT: AS NOTED
		APPROVED: <i>[Signature]</i>	DATE: 12/15/16	JOB NUMBER: 15245
		KARL D. SUTHERLAND - CIVIL ENGINEER	REG. 3046 06/12/2017	

City of Morgan Hill
 Public Works Department
 17575 Peak Ave. Morgan Hill, CA 95037 (408)778-6480, Fax (408)779-7236

Mesiti-Miller Engineering, Inc.
 Civil and Structural Engineering
 631-426-3186 www.mme.com

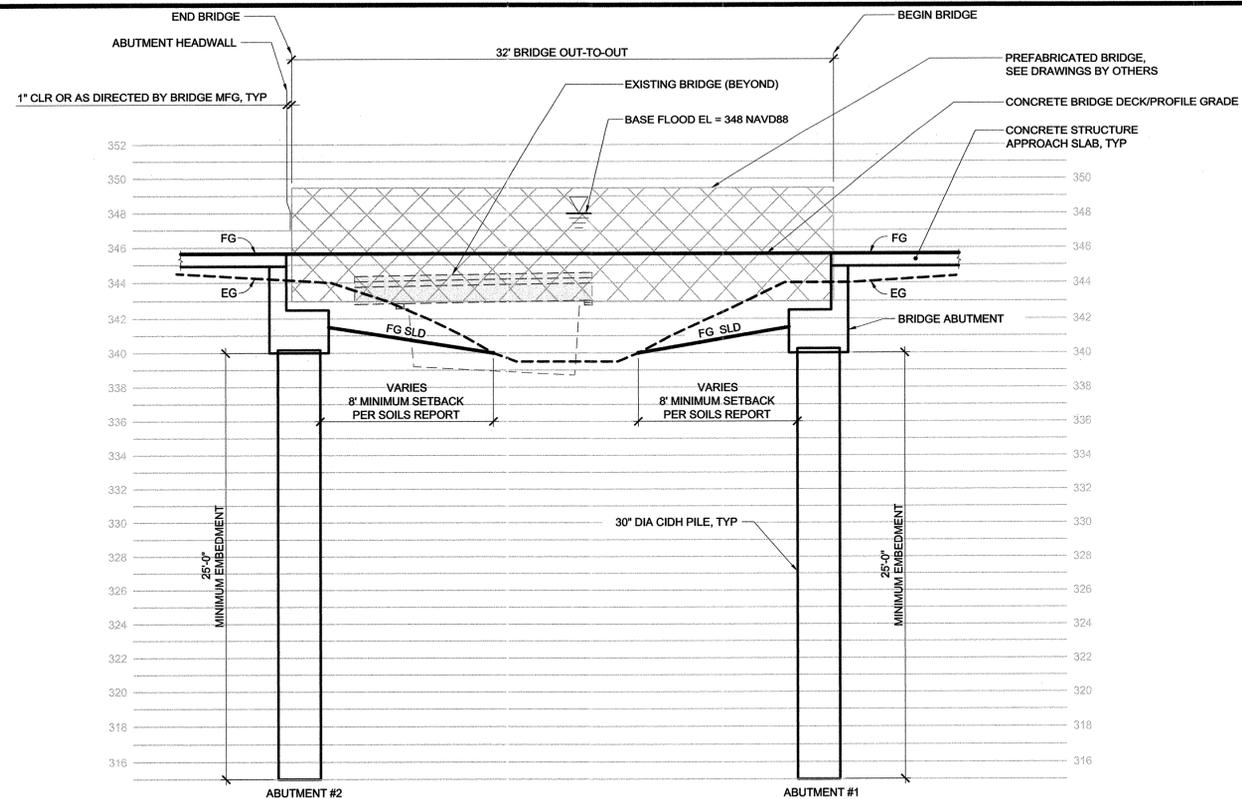
DEL MONTE AVE
 AND WEST 3RD STREET,
 MORGAN HILL,
 CA 95037

PEDESTRIAN BRIDGE ABUTMENT DETAILS
LITTLE LLAGAS CREEK PARK

FILE NUMBER: 1520400
 PRINT DATE: 12/8/16
 SHEET NUMBER: **S2.2**

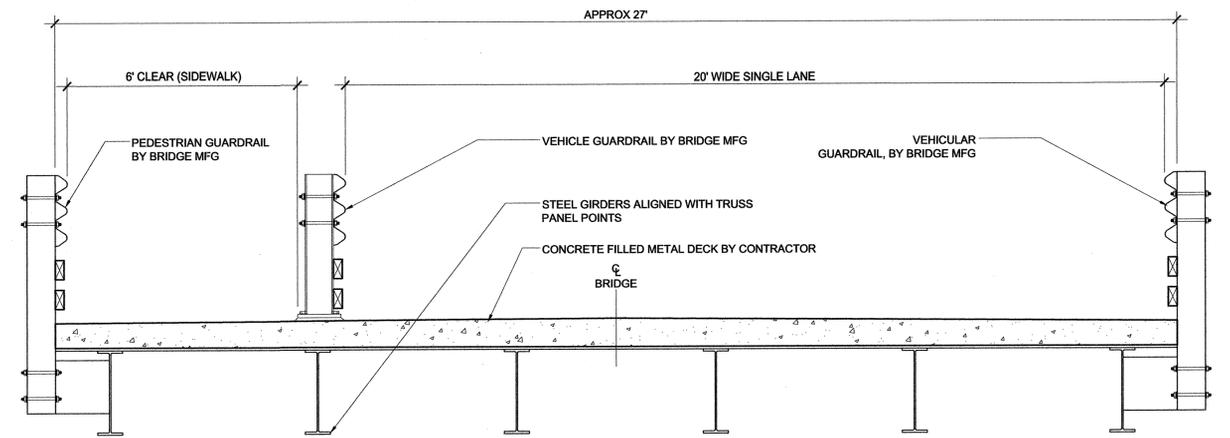


BID DRAWINGS



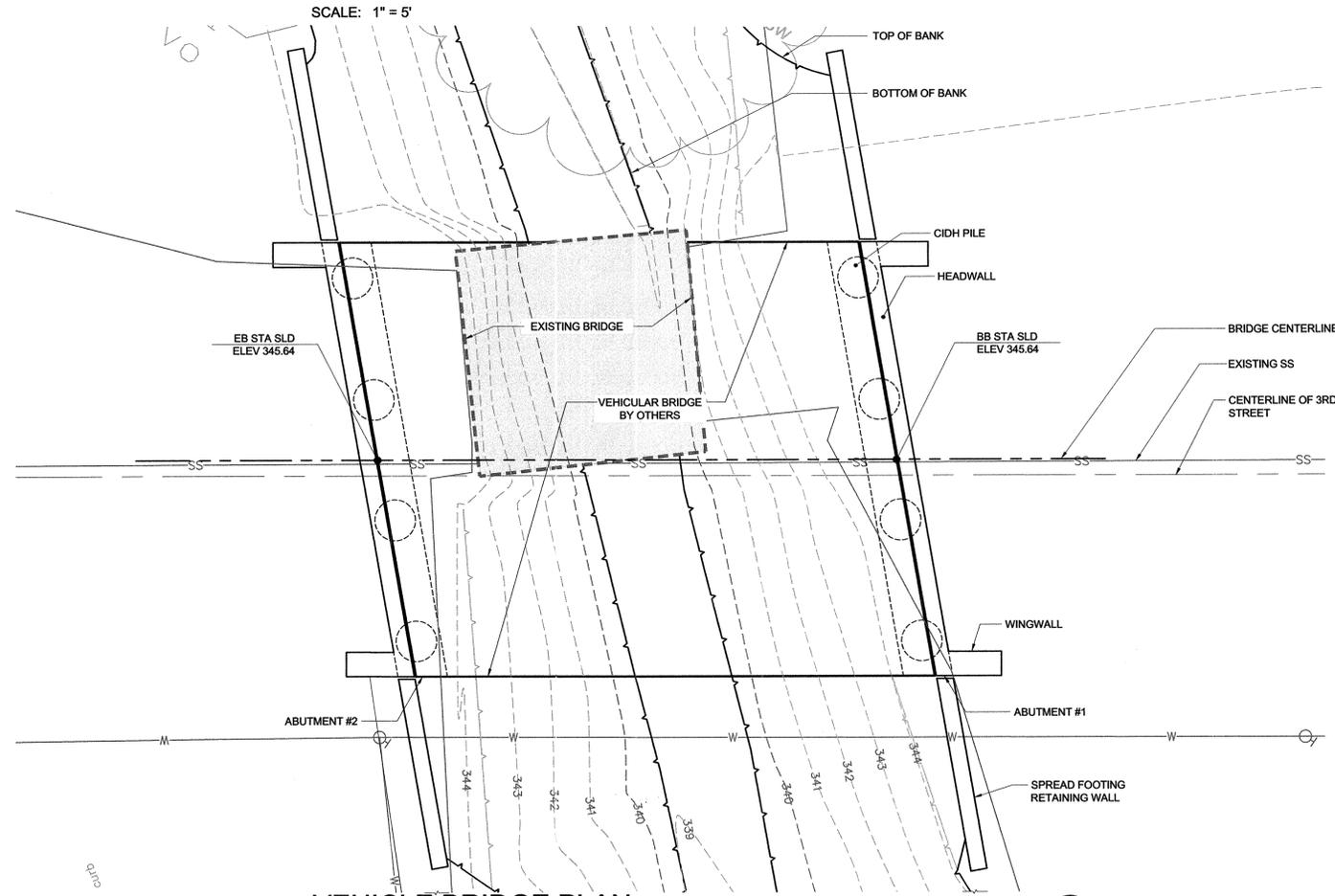
VEHICLE BRIDGE ELEVATION (BRIDGE ELEVATIONS AND FINISHED GRADES DEPICTED ABOVE ARE BY VERDE DESIGN, INC.)

SCALE: 1" = 5'



VEHICLE BRIDGE SECTION

SCALE: 1/2" = 1'-0"



VEHICLE BRIDGE PLAN

SCALE: 1" = 5'

GENERAL NOTES

- BRIDGE SHALL BE A PREFABRICATED STEEL GIRDER BRIDGE PER SPECIFICATIONS.
- PREFABRICATED STEEL GIRDER BRIDGE SHOWN IS A SCHEMATIC ONLY. ACTUAL BRIDGE MAY VARY. SEE SPECIFICATIONS FOR BRIDGE CAMBER NOT SHOWN.
- FINISH GRADE SHOWN IS APPROXIMATE. SEE GRADING PLANS FOR FINISH GRADE ELEVATION NEAR ABUTMENTS.
- SEE LANDSCAPE DRAWINGS FOR BRIDGE SIGNAGE.

CONSTRUCTION NOTES

- CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS, ELEVATIONS, CONTROLLING FIELD DIMENSIONS AND CONDITIONS PRIOR TO CONSTRUCTION. ORDERING AND/OR FABRICATING ANY MATERIALS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.
- CONTRACTOR SHALL VERIFY ALL EMBEDDED ITEM LOCATIONS WITH PREFABRICATED BRIDGE MANUFACTURER.
- SEE LANDSCAPE DRAWINGS FOR BRIDGE ALIGNMENT, LAYOUT AND SURVEY CONTROL INFORMATION.
- ALL EXPOSED CONCRETE CORNERS SHALL HAVE A CHAMFER OF 3/4" UNO.
- CONTRACTOR SHALL VERIFY BRIDGE LENGTHS FROM LOCATIONS OF NEW ABUTMENTS PRIOR TO ORDERING PREFABRICATED BRIDGE.
- TYPICAL REINFORCING DETAIL AND SPIRAL REINFORCING DETAIL ARE PROVIDED ON DETAIL 4/SS.2 AND 4/SS.2.

ABUTMENT DESIGN CRITERIA

GRAVITY DESIGN CRITERIA PER 2000 CALTRANS BRIDGE DESIGN SPECIFICATIONS:
 BRIDGE DEAD LOAD 169 K
 SIDEWALK LOAD 85 PSF
 VEHICLE LOAD HS20-44

SEISMIC DESIGN CRITERIA PER SITE SPECIFIC ARS CURVE (SEE SOILS INVESTIGATION):

WIND DESIGN CRITERIA:
 BASIC WIND SPEED 110 MPH
 WIND EXPOSURE C

SOIL DESIGN CRITERIA FROM SOILS REPORT BY LAI AND ASSOCIATES DATED MAY 9, 2016:

SOIL BEARING CAPACITY END BEARING NOT USED
 SKIN FRICTION BELOW STREAM BED EL: 600 PSF/FT
 PASSIVE PRESSURE BELOW STREAM BED EL: 300 PSF/FT ACTING ON 1.5x PIER DIAMETER, NEGLECT UPPER 3.0 FT
 ACTIVE EARTH PRESSURE 45 PSF/FT
 LIVE LOAD SURCHARGE 90 PSF

HYDROSTATIC LOADS:
 IN ACCORDANCE WITH DIRECTION PROVIDED BY VERDE DESIGN INC., BASED ON INFORMATION PROVIDED BY LOCAL JURISDICTION, ABUTMENT DESIGN DOES NOT REQUIRE EFFECTS OF HYDROSTATIC, HYDRODYNAMIC OR DEBRIS FORCES DUE TO ANTICIPATED HIGH WATER EVENTS.

ABBREVIATIONS:

ABUT	ABUTMENT
ACI	AMERICAN CONCRETE INSTITUTE
BB	BEGIN BRIDGE
BOT	BOTTOM
CIDH	CAST-IN-DRILLED-HOLE
CL	CENTER LINE
CLR	CLEAR
CONC	CONCRETE
EB	END BRIDGE
EG	EXISTING GRADE
ELEV	ELEVATION
FG	FINISH GRADE
LOL	LAYOUT LINE
SAD	SEE ARCHITECTURAL DRAWINGS
STA	STATION
TYP	TYPICAL
T/O	TOP OF
WSE	WATER SURFACE ELEVATION
UNO	UNLESS NOTED OTHERWISE

NO.	DESCRIPTION	DATE	BY	DATE

Revisions

WORK ACCEPTED:	INSPECTOR:	DRAWN: PD/ED	DESIGN: PD/ED	HOR: AS NOTED
		CHECKED: DH		VERT: AS NOTED
APPROVED: <i>[Signature]</i>	DATE: 12/15/16	JOB NUMBER: 15245		

KARL D. BARRIS - CIVIL ENGINEER
 RCE 39416 EXP 12/31/2017

City of Morgan Hill
 Public Works Department

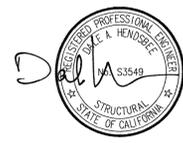
17575 Peak Ave. Morgan Hill, CA 95037 (408)778-6480, Fax (408)779-7236

Mesiti-Miller Engineering, Inc.
 Civil and Structural Engineering
 831-426-3196 www.m-me.com

DEL MONTE AVE
 AND WEST 3RD
 STREET,
 MORGAN HILL,
 CA 95037

VEHICLE BRIDGE GENERAL PLAN
LITTLE LLAGAS CREEK PARK

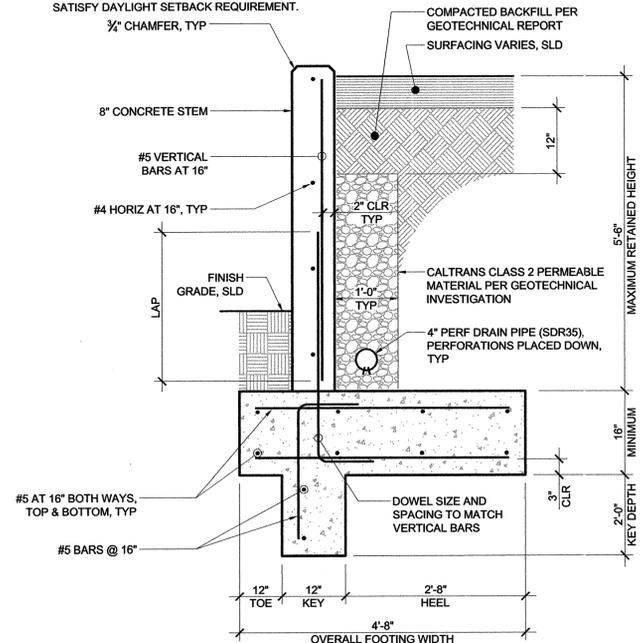
FILE NUMBER: 1520400
 PRINT DATE: 12/8/16
 SHEET NUMBER: **S3.0**



BID DRAWINGS

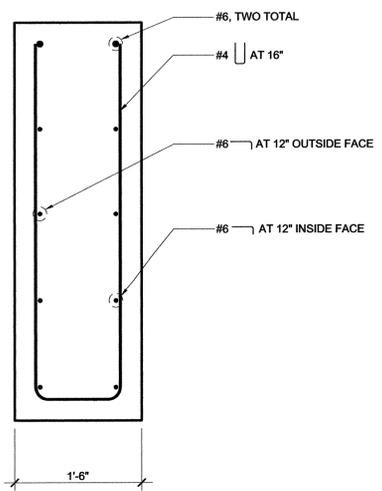
NOTES

- STRUCTURAL BACKFILL SHALL NOT BE PLACED UNTIL THE CONCRETE HAS DEVELOPED A STRENGTH OF NOT LESS THAN 2000 POUNDS PER SQUARE INCH IN COMPRESSION, OR UNTIL THE CONCRETE HAS BEEN IN PLACE FOR 14 DAYS, WHICHEVER OCCURS FIRST.
- THE BOTTOM OF FOOTING EXCAVATIONS SHALL BE FIRM, CLEAN AND FREE OF ANY LOOSE OR YIELDING SOILS. FOOTINGS SHALL BE POURED IN NEAT EXCAVATIONS WITHOUT THE USE OF SIDE FORMS. CAST TOE/KEY CONCRETE AGAINST UNDISTURBED NATIVE MATERIAL OR PREPARED SUBGRADE EXCEPT AS APPROVED BY THE GEOTECHNICAL ENGINEER.
- AT THEIR OPTION, THE CONTRACTOR IS PERMITTED TO USE CONTINUOUS VERTICAL BARS FROM FOUNDATION TO TOP OF WALL. WHERE FOOTING DOWELS ARE USED, ALL VERTICAL BARS SHALL BE LAP SPICED AND FOOTING DOWELS SHALL BE OF THE SAME SIZE AND SPACING AS BARS ABOVE.
- BOTTOM OF FOOTING SHALL BE SETBACK FROM DAYLIGHT 6" MINIMUM. BOTTOM OF FOOTING SHALL BE EMBEDDED 18" MINIMUM BELOW THE LOWEST EXISTING ADJACENT SOIL GRADE OR AS REQUIRED TO SATISFY DAYLIGHT SETBACK REQUIREMENT.

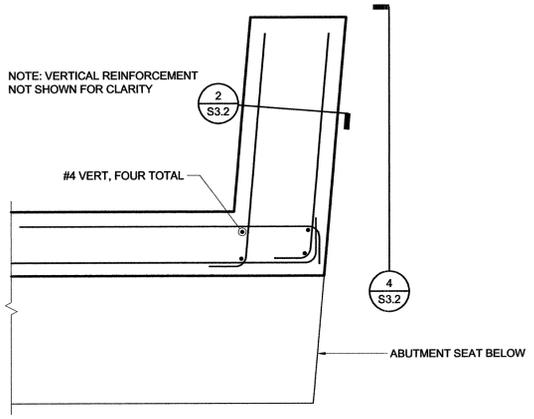


- NOTES:**
 1. SEE GEOTECHNICAL INVESTIGATION REPORT FOR ADDITIONAL REQUIREMENTS.
 2. FOOTING SHALL

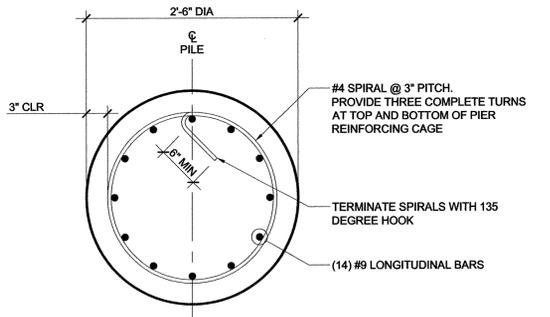
CMU RETAINING WALL SECTION 5
 SCALE: 3/4" = 1'-0"



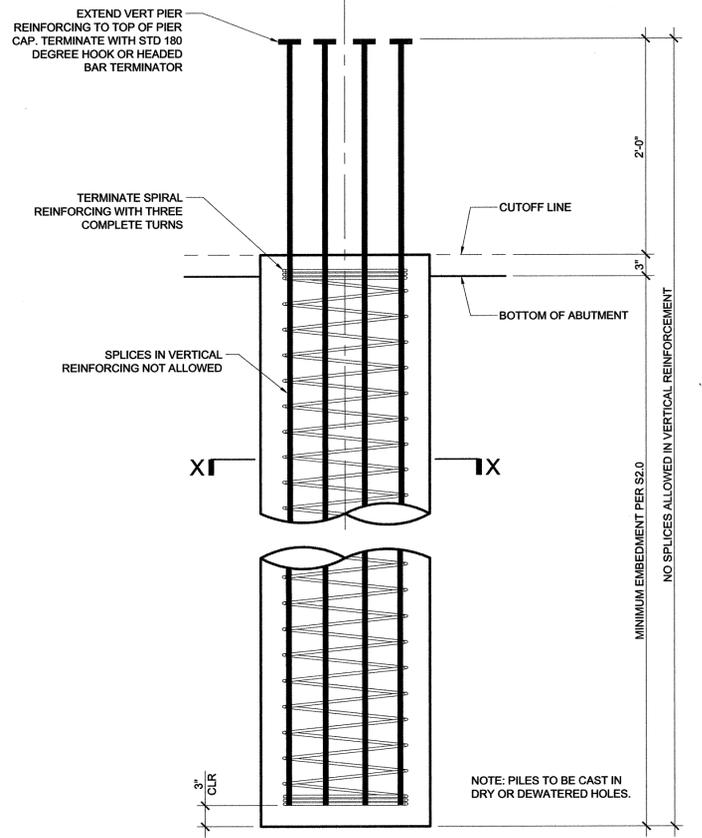
WINGWALL SECTION 2
 SCALE: 1" = 1'-0"



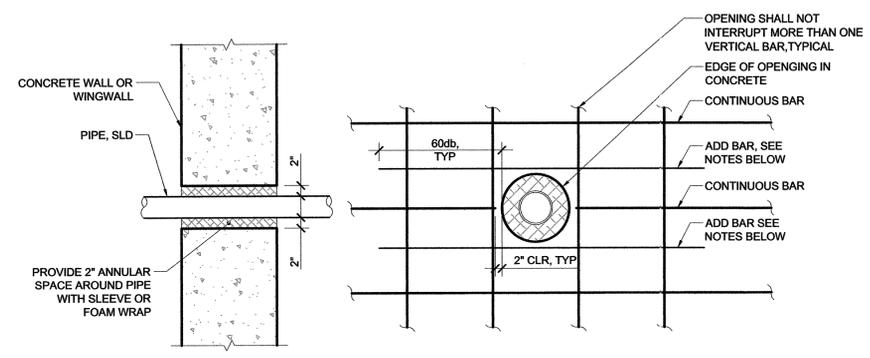
WINGWALL CORNER DETAIL 3
 SCALE: 3/4" = 1'-0"



SECTION X-X



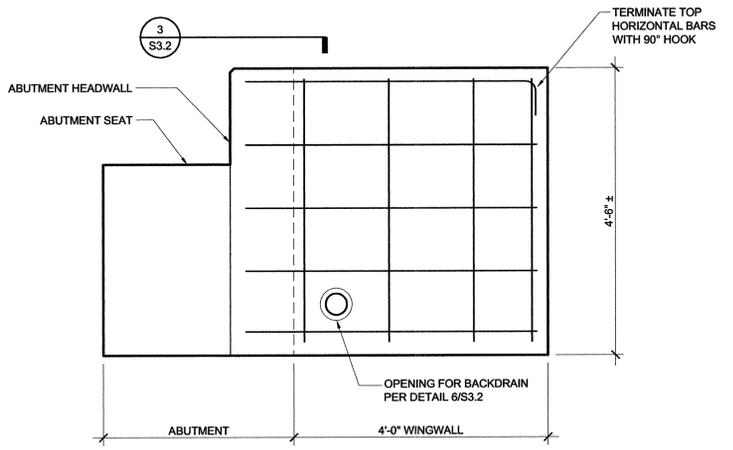
CIDH PILE DETAIL 1
 SCALE: 1" = 1'-0"



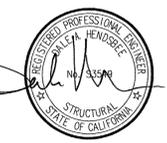
OPENING SECTION **OPENING ELEVATION**

- NOTES:**
 1. WHERE POSITION OF OPENING INTERRUPTS HORIZONTAL REINFORCING, ADD BARS SHALL BE ADDED ABOVE AND BELOW THE OPENING. ADD BARS SHALL BE SAME SIZE AS CONTINUOUS HORIZONTAL REINFORCING.
 2. WHERE TYPICAL VERTICAL REINFORCING PATTERN IS INTERRUPTED A CONTINUOUS FULL HEIGHT ADD BAR SHALL BE PROVIDED EACH SIDE OF THE OPENING

PIPE PENETRATION 6
 SCALE: 3/4" = 1'-0"



WINGWALL ELEVATION 4
 SCALE: 3/4" = 1'-0"



NO.		DESCRIPTION		DATE	BY	DATE	REVISIONS
WORK ACCEPTED:	INSPECTOR:	DRAWN:	DESIGN:	HOR:	VER:	JOB NUMBER:	
		PD/ED	PD/ED	AS NOTED	AS NOTED	15245	
CHECKED:	DATE:	APPROVED:	DATE:	CITY ENGINEER:			
DH	12/15/16	[Signature]	12/15/16	KARL D. EMMETT			
City of Morgan Hill Public Works Department				Mesiti-Miller Engineering, Inc. Civil and Structural Engineering		DEL MONTE AVE AND WEST 3RD STREET, MORGAN HILL, CA 95037	
17575 Peak Ave. Morgan Hill, CA 95037 (408)778-6480, Fax (408)779-7236				631-426-3196 www.m-me.com		FILE NUMBER: 1520400 PRINT DATE: 12/8/16 SHEET NUMBER: S3.2	

BID DRAWINGS