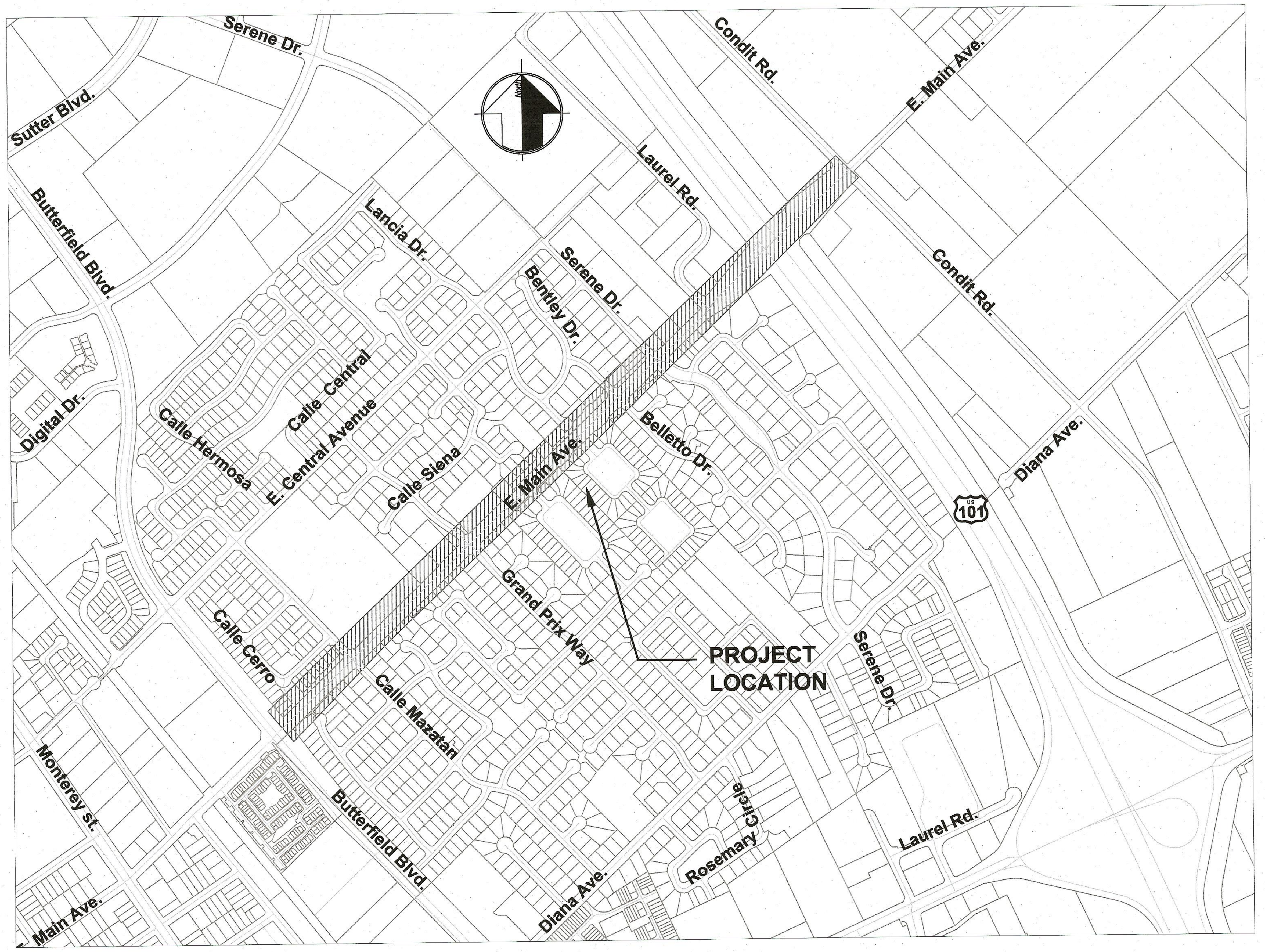
City of Morgan Hill
East Main Avenue
Bike Lanes and Sidewalk Project

GENERAL NOTES:

1. SEE BENCH MARK NOTE ON THIS PAGE FOR BENCH MARK INFORMATION.
2. ALL EXISTING ELEVATIONS SHALL BE FIELD VERIFIED BY CONTRACTOR UNLESS OTHERWISE NOTED.
3. CONTRACTOR SHALL NOT DESTROY EXISTING PERMANENT SURVEY MONUMENTS.
4. ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE CITY OF MORGAN HILL STANDARD DETAILS FOR CONSTRUCTION WHICH ARE HEREBY MADE A PART OF THESE PLANS. DEVIATIONS FROM THE STANDARD DETAILS MUST BE APPROVED BY THE CITY ENGINEER.
5. 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.
6. CONTRACTOR SHALL NOTIFY THE PUBLIC WORKS DEPARTMENT 48 HOURS PRIOR TO COMMENCEMENT OF ANY WORK PHASE.
7. 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.
8. CONTRACTOR SHALL ONLY USE EQUIPMENT PROVIDED WITH A SPARK ARRESTOR DEVICE TO REDUCE A POTENTIAL FIRE HAZARD.
9. RIGHT OF MODIFICATION:
   APPROVAL OF THIS PLAN DOES NOT RELEASE SUBDIVIDER OF THE RESPONSIBILITY FOR CORRECTION OF MISTAKES, ERRORS, OR OMISSION, CONTAINED THEREIN. IF DURING THE COURSE OF CONSTRUCTION, PUBLIC INTEREST REQUIRES A MODIFICATION OF OR A DEPARTURE FROM THESE IMPROVEMENT PLANS OR THE CITY 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.
10. WATER & DUST CONTROL:
   CONTRACTOR SHALL PROVIDE A WATER TRUCK ONSITE AS NEEDED. 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. 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.
11. 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.
12. TRAFFIC CONTROL:
   CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN FOR APPROVAL TO THE PUBLIC WORKS DEPARTMENT A MINIMUM OF 10 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 ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD), 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 TWO 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.
13. TRENCH EXCAVATION:
   CONTRACTOR SHALL EXERCISE DILIGENCE IN REVIEWING OTHER AVAILABLE RESOURCES TO FAMILIARIZE HIMSELF/HERSELF WITH THE SOIL CONDITIONS TO BE ENCOUNTERED IN THE COURSE OF WORK IDENTIFIED IN THESE PLANS. CONTRACTOR SHALL NOT CAUSE DAMAGE TO ADJACENT TREES OR EXISTING STRUCTURES ABOVE OR BELOW GRADE DURING TRENCH EXCAVATION. ALL ROCKS, BOULDERS, AND LARGE STONES ENCOUNTERED SHALL BE REMOVED TO PROVIDE A CLEARANCE OF 6 INCHES AROUND THE PIPE. THE TRENCH BOTTOM SHALL BE REFILLED TO GRADE WITH SAND, PEA GRAVEL, OR OTHER APPROVED GRANULAR MATERIAL. CLEAN 1/4" OR 1/2" PEA GRAVEL SHALL BE USED IN AREAS OF MOIST CONDITION, OR WHERE THE SOIL HAS A HISTORY OF SUB-SURFACE WATER. IF THE BOTTOM OF THE TRENCH IS FOUND TO CONSIST OF WET OR UNSTABLE MATERIAL INCAPABLE OF PROPERLY SUPPORTING THE PIPE, THE MATERIAL SHALL BE REMOVED TO A MINIMUM DEPTH OF 12 INCHES BELOW THE UNSTABLE LAYER FOR THE FULL WIDTH OF THE TRENCH AND REPLACED WITH APPROVED GRANULAR MATERIAL. TRENCH EXCAVATION MATERIAL DEPOSITED ADJACENT TO THE TRENCH SHALL BE PLACED AND LOCATED TO PREVENT SPILLAGE INTO THE OPEN TRENCH.
14. TRENCH SAFETY:
   IT SHALL BE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL NECESSARY TRENCH SAFETY MEASURES FOR EXCAVATION. ALL TRENCH SAFETY MEASURES SHALL BE IN ACCORDANCE WITH THE LATEST CAL-OSHA GUIDELINES. CONTRACTOR SHALL PROVIDE EVIDENCE OF A CAL-OSHA TRENCHING PERMIT AT THE PRE-CONSTRUCTION MEETING. ALL TRENCH PLATES SHALL BE RECESSED.
15. EXCAVATIONS WITHIN THE PUBLIC RIGHT-OF-WAY SHALL BE BACKFILLED, COMPACTED, AND TEMPORARILY PAVED WITH COLD MIX "CUT BACK" TYPE A.C. TO ALLOW FOR VEHICULAR AND PEDESTRIAN TRAFFIC PRIOR TO 4:00 P.M. THE USE OF TRENCH PLATES IS ALLOWED, PROVIDED THE CONTRACTOR COVERS ALL EDGES OF THE PLATES WITH COLD MIX MATERIAL. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN ON A DAILY BASIS, INCLUDING WEEKENDS, THE AMOUNT OF MATERIAL NECESSARY TO MAINTAIN THE TRENCH SURFACE FLUSH WITH THE EXISTING STREET OR SIDEWALK. IN ADDITION, THE CONTRACTOR SHALL RESPOND TO AND CORRECT SHIFTING TRENCH PLATES REGARDLESS OF THE TIME OF DAY. IF CONTRACTOR FAILS TO CORRECT SINKING BACKFILL MATERIAL OR SHIFTING TRENCH PLATES IN A TIMELY MANNER, CITY SHALL RESERVE THE RIGHT TO CORRECT THE PROBLEM AND BACK CHARGE THE CONTRACTOR.
16. JOINING EXISTING PAVEMENT:
   EXISTING PAVEMENT WHICH IS TO BE JOINED BY NEW PAVEMENT SHALL BE SAW CUT VERTICAL TO PROVIDE STRAIGHT, TRUE AND NEAT JOINTS. OVERLAPPING OF EXISTING PAVEMENT WITHOUT SAW CUTTING OR GRINDING SHALL NOT BE PERMITTED. THE VERTICAL EDGES SHALL BE TACKED PRIOR TO PAVING. TERMINALS OF ALL SURFACING INDICATED ON THE PLANS SHALL JOIN ANY EXISTING SURFACE IN A SMOOTH BUTT JOINT. CONFORM PAVING BY METHOD OF ABRASIVE GRINDING WILL BE ALLOWED UPON APPROVAL OF THE CITY ENGINEER.
17. WATER LINES:
   CONTRACTOR SHALL NOT TURN OFF OR ON ANY VALVES BELONGING TO THE CITY'S WATER SYSTEM. ONLY DEPARTMENT OF PUBLIC WORKS PERSONNEL SHALL OPEN THE NECESSARY VALVES TO CONNECT NEW LINES. FAILURE TO FOLLOW THIS REQUIREMENT SHALL BE CONSIDERED AN "UNLAWFUL CONNECTION" AND MAY RESULT IN ISSUING OF A CITATION AND FINES AS SPECIFIED IN SECTION 13.04 OF THE MORGAN HILL MUNICIPAL CODE.
18. CONNECTIONS REQUIRING SHUT DOWN OF THE SYSTEM SHALL BE DONE BETWEEN THE HOURS OF 12:00 MIDNIGHT AND 6:00 A.M., AND ONLY UPON COORDINATION WITH THE DEPARTMENT OF PUBLIC WORKS.
19. ALL WATER LINES SHALL BE TESTED AFTER COMPLETION OF THE TRENCH BACKFILL AND COMPACTION OF THE FINAL BASE MATERIAL, BUT PRIOR TO PLACEMENT OF THE FINAL ROADWAY SURFACE.
20. THE CONCRETE CONTRACTOR SHALL STAMP A LETTER "W" ON THE FACE OF CURB DIRECTLY ABOVE THE WATER SERVICE.
21. BACKFILL AND COMPACTION:
   BACKFILL MATERIAL SHALL BE HAND PLACED AND COMPACTED UP TO AT LEAST 6" ABOVE THE PIPE WHEN USING NATIVE SOIL AS TRENCH BACKFILL, THE MINIMUM SAND COVER SHALL BE 12".
22. JETTING AND/OR FLOODING OF TRENCH BACKFILL MATERIAL WILL BE PERMITTED ONLY IF APPROVED BY THE SOILS ENGINEER AND CITY ENGINEER.
23. ANY EXCESS EXCAVATION MATERIAL MAY BE DEPOSITED ONSITE IN AREAS AND AT DEPTHS DESIGNATED BY THE OWNER, AND WITH APPROVAL OF THE CITY ENGINEER.
24. THE MINIMUM RELATIVE COMPACTION FOR TRENCH BACKFILL , SUBGRADE AND BASE MATERIAL SHALL BE 95% THROUGHOUT THE PROJECT UNLESS RECOMMENDED OTHERWISE IN THE SOILS REPORT AND APPROVED BY THE CITY ENGINEER.
25. IF TRENCH BACKFILL IS 100% SAND, THE CITY SHALL CONDUCT COMPACTION TESTS OF THE LIFTS SPECIFIED. IF THE TRENCH BACKFILL MATERIAL IS NATIVE SOIL, CONTRACTOR SHALL PROVIDE COMPACTION TEST RESULTS OF THE LIFTS SPECIFIED IN THE SOILS REPORT TO THE CITY ENGINEER FROM A CERTIFIED TESTING LABORATORY AT CONTRACTOR'S EXPENSE.
26. ANY AGGREGATE BASE THAT BECOMES CONTAMINATED DURING CONSTRUCTION SHALL BE REMOVED AND REPLACED WITH UNCONTAMINATED BASE.
27. CURB INLET STENCILING:
   ALL CURB INLETS SHALL HAVE THERMOPLASTIC STENCILING: NO DUMPING, FLOWS TO CREEK/RIVER.
28. ELECTROLIERS:
   ALL ELECTROLIERS SHALL BE INSTALLED BY THE CONTRACTOR (30 LED @ RESIDENTIAL, 50 LED @ COLLECTOR, 80 LED @ ARTERIAL, AT THE LOCATIONS SHOWN ON THESE PLANS). SEE ELECTRICAL SECTION OF THE STANDARD DETAILS. ELECTROLIERS SHALL BE BETA LED, A DIVISION OF RUDD LIGHTING OR APPROVED EQUAL.
29. THE STANDARD SPECIFICATIONS AND DETAILS, LATEST EDITION, OF THE CITY OF MORGAN HILL SHALL GOVERN UNLESS OTHERWISE SPECIFIED HEREIN.



LOCATION MAP

Benchmark: Elevations shown on these plans are based on the SCVWD benchmark BM001. Brass disk at the southwest corner of Monterey Rd and El Toro Avenue; on top of the northwest corner of concrete base for a metal sign post at 17795 Monetery Road, City of Morgan Hill.
ELEVATION = 353.32' (NAVD88).
Northing: 1873182, Easting: 6224244

Underground Service Alert Note
Underground utilities depicted on the plans are approximate and it is the responsibility of the contractor to determine the actual location and depth of underground utilities prior to starting excavation. Pot-holing is highly recommended where needed to eliminate conflicts.
Call USA North: 1.800.227.2600 OR 811

NOTE:
CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.

SHEET INDEX

SHEET NO.	DWG	DESCRIPTION
1	1	TITLE SHEET
2	SW-1	TOPOGRAPHIC MAP & DEMO PLAN
3	SW-2	STREET WIDENING PLAN
4	SW-3	INTERSECTION BULB-OUT PLAN
5	ECP-1	EROSION-SEDIMENT CONTROL PLAN & DETAILS
6	SL-1	STREET LIGHTING & UTILITY POLE RELOCATION PLAN
7	SL-2	STREET LIGHTING DETAILS
8	FB-1	RECTANGULAR RAPID FLASHING BEACON PLAN
9	FB-2	RECTANGULAR RAPID FLASHING BEACON DETAILS
10	STR-1	BUFFERED BIKE LANE IMPROVEMENTS
11	STR-2	BUFFERED BIKE LANE IMPROVEMENTS
12	STR-3	BUFFERED BIKE LANE IMPROVEMENTS
13	STR-4	BUFFERED BIKE LANE IMPROVEMENTS

REGISTERED PROFESSIONAL ENGINEER
HARINDER SINGLA
C49717
EXP. 9-30-2021
STATE OF CALIFORNIA

Harinder Singla 3-17-20
DATE

MH engineering Co.
16075 VINEYARD BOULEVARD MORGAN HILL, CA 95037
(408) 779-7381 FAX: (408) 226-5712

CITY FILE NO.
–
PLAN SET
03/2020
Sheet
1 OF 13

REVISIONS

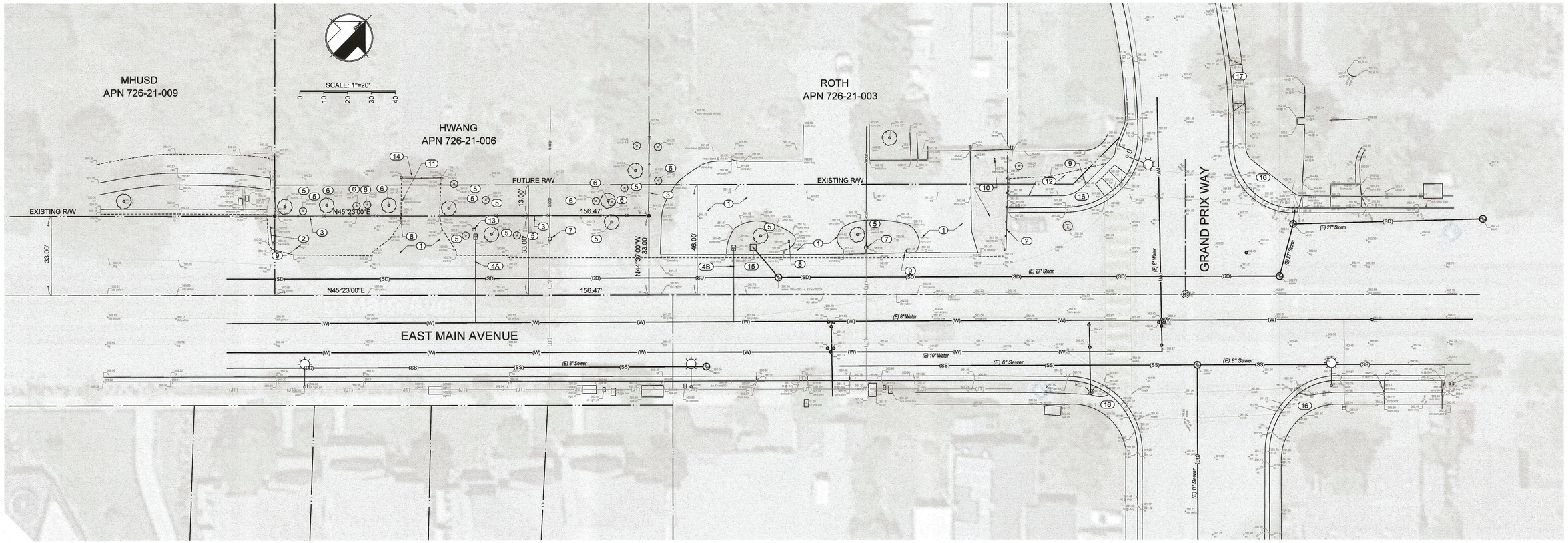
NO.	DESCRIPTION	DATE	BY

CITY OF MORGAN HILL
City of Morgan Hill
Public Works Department
17575 PEAK AVE. MORGAN HILL, CA 95037
(408) 776-6480 FAX (408) 779-7236

DRAWN RS	DESIGN HS	HOR	
CHECKED David Hitmu	DATE 3-17-20	VERT	N/A
APPROVED S. C.	DATE 3/17/20	DATE	03/2020
Scott C. Creer RCE 58879	CITY ENGINEER EXP. DATE 06-30-2021	JOB NUMBER	218159.2

TITLE SHEET
East Main Avenue Improvements
between Butterfield Blvd & Condit Road

L:\Projects\Harry\218159.2 CMH-E. Main Widening & Striping Plans\dwg\218159 Imp01-Cover Sheet.dwg - 3/16/2020 4:48 PM - Plotted 3/16/2020 4:49 PM by Harinder Singla
Xrefs:



ABBREVIATIONS

	DESCRIPTION
AC	ASPHALT CONCRETE
BW	BACK OF SIDWALK
BWF	BARBED WIRE FENCE
CLF	CHAIN LINKED FENCE
EP	EDGE OF PAVEMENT
FH	FIRE HYDRANT
FL	FLOWLINE
FNC	FENCE
FO	FIBER OPTIC
HCR	HANDICAP RAMP
MB	MAILBOX
NG	NATURAL GROUND
PB	PULL BOX
SLB	CONCRETE SLAB
SP	SERVICE POLE
SW	SIDWALK
TC	TOP OF CURB
WM	WATER METER
WV	WATER VALVE

Demolition Notes:

1. Remove all private hardscape within public right of way to allow for street widening.
2. Remove and dispose of existing street barricade and associated signs.
3. Remove all private fencing within public right of way & salvage to the City yard.
4A. Abandon existing 1" water service at the City water main. See new service 'note 5' on sheet sheet SW2.
4B. Abandon existing 1" water service at the City water main. See new service 'note 5' on sheet sheet SW2.
5. Remove and dispose of existing tree. Property owner has the option to take possession and replant it on private property at their own expense.
6. Protect existing tree if possible. Final decision shall be made by the City Inspector during construction.
7. PG&E to relocate existing Utility Pole.
8. Relocate existing mailbox behind proposed curb.
9. Relocate existing traffic sign at location directed by the City Inspector.
10. Remove and dispose of existing soil stockpile.
11. Relocate existing gate controller. Location to be field determined.
12. Demolish existing monolithic walk and temporary AC walk.
13. Unknown water related structure (Irrigation controller?) to be field verified and removed or relocated as necessary. City records indicate single water service to this property.
14. Remove and salvage existing electric gate to City yard.
15. Demolish existing drain inlet.
16. Demolish existing curb return, pavement and sidewalk to limits indicated on 'Intersection Bulb-Out Plan, sheet SW-3'
17. Demolish existing driveway approach and replace with City standard sidewalk.

LEGEND

PROPOSED	EXISTING	DESCRIPTION
		PROPERTY LINE
		CENTER LINE
		LIMIT OF WORK LINE
		CITY LIMIT LINE
		EDGE OF PAVEMENT
		CURB AND GUTTER
		SIDEWALK
		DRIVEWAY APPROACH
		AC PAVEMENT
SD	(SD)	STORM DRAIN
SS	(SS)	SANITARY SEWER
W	(W)	WATER MAIN
	G	GAS
	E	ELECTRIC
	T	TELEPHONE
	JT	JOINT TRENCH
		FENCE, TYPE AS SHOWN
		STREET BARRICADE
		BENCH MARK
		CONTROL POINT
		MONUMENT, TYPE AS SHOWN
2		REVISION
3 / C7	5 / A7	SECTION – DETAIL
		STREET NAME SIGN
R1	R1	STREET SIGN, TYPE AS SHOWN

	TOP OF SLOPE
	SWALE
	SLOPE / FLOW LINE
	STORM DRAIN MANHOLE
	CURB INLET
	GALLERY INLET
	DROP INLET
	SANITARY SEWER MANHOLE
	FIRE HYDRANT
BO	BLOW OFF VALVE
CO	CLEAN OUT
ARV	AIR RELIEF VALVE
GV	GATE VALVE
	JOINT POWER POLE
	ELECTROLIER
	ELECTROLIER WITH SIGN
300	CONTOURS

NO.	DESCRIPTION	DATE	BY

REVISIONS

WORK ACCEPTED: INSPECTOR:
BY: DATE:

City of Morgan Hill
Public Works Department
CITY OF MORGAN HILL
17575 PEAK AVE. MORGAN HILL, CA 95037
(408) 776-6480 FAX (408) 779-7236

DRAWN: RS | DESIGN: HS | HOR. 1"=20'
CHECKED: 3-17-20 | DATE: | VERT.
APPROVED: 3/17/20 | DATE: | JOB NO. 218159.2
Scott C. Creer RCE 58879 — CITY ENGINEER EXP. DATE 09-30-2021

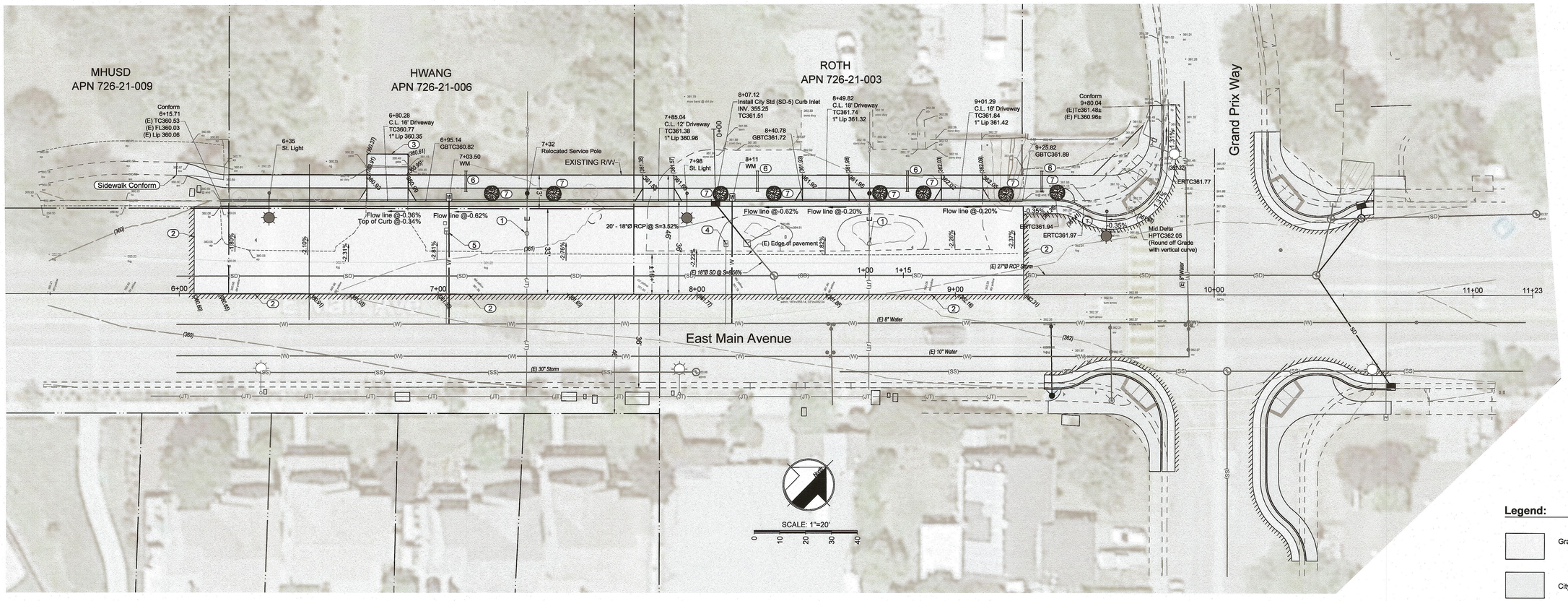
SUPERVISED BY:
REGISTERED PROFESSIONAL ENGINEER HARINDER SINGH C49717 STATE OF CALIFORNIA
SIGNATURE 3-17-20 DATE

MH engineering Co.
SUBDIVISIONS - LAND PLANNING - LAND SURVEYS
16075 VINEYARD BOULEVARD MORGAN HILL, CA 95037
(408) 779-7381 FAX: (408) 226-5712

Topographic Map & Demo Plan
East Main Avenue
MORGAN HILL CALIFORNIA

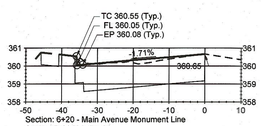
CITY FILE NO.
PLAN SET: 2/20
DRAWING: **SW-1**
2 of 13

City of Morgan Hill
218159.2



Legend:

- Grade and pave street widening
- City std. sidewalk
- Sawcut Conform



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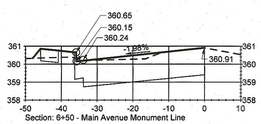

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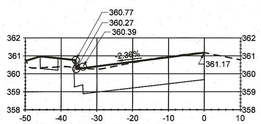

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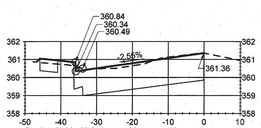

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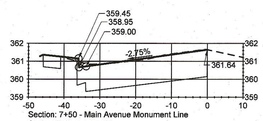

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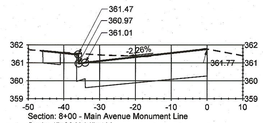

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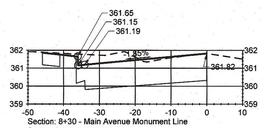

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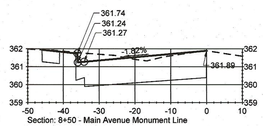

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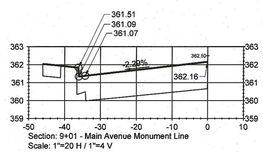
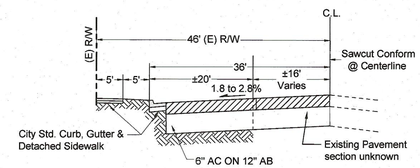


Section: 9+01 - Main Avenue Monument Line
Scale: 1"=20 H / 1"=4 V

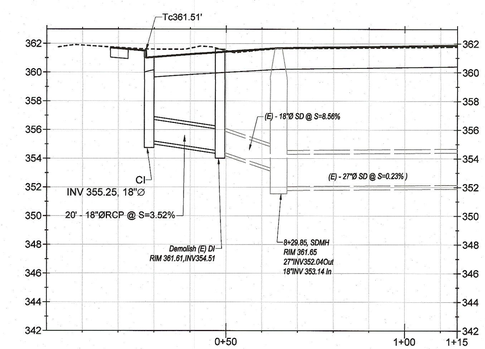
Street widening Sections-E. Main Avenue



Typical Section-E. Main Avenue Widening
Looking East NTS

Improvement Notes:

1. Existing Utility Pole to be relocated by PG&E.
2. Sawcut conform at centerline for grading and paving of street widening.
3. Typical sawcut conform onsite driveway. Contractor shall coordinate conform location with the property owner with City Inspector involvement. Area of re-pave may need to be adjusted in the field as approved by the City Inspector. Pavement section of 5"PCC on 6" Agg Base with WWM underlayment may be considered for the onsite driveway repave. Asphalt driveway conforms shall be matched in kind.
4. Abandon existing 1" water service at the main and install new 2" service per City std. detail 'W-1'
5. Abandon existing 1" water service at the main and install new 1" service per City std. detail 'W-1'
6. Install 4" Ø irrigation sleeve crossing under proposed sidewalk
7. Plant 15 gallon ornamental tree



PROFILE: Section Through New Catch Basin
SCALE H: 1"=20' SCALE V: 1"=5'

NO.	DESCRIPTION	DATE	BY

REVISIONS

WORK ACCEPTED: INSPECTOR:
BY: DATE:

City of Morgan Hill
Public Works Department
CITY OF MORGAN HILL
17575 PEAK AVE. MORGAN HILL, CA 95037
(408) 776-6480 FAX (408) 779-7236

DRAWN: RS DESIGN: HS HOR. 1"=20'
CHECKED: David Littleton 3-17-20 DATE: VERT.
APPROVED: DATE: JOB NO. 218159.2
Scott C. Creer RCE 58879 CITY ENGINEER EXP. DATE 06-30-2021

SUPERVISED BY:
REGISTERED PROFESSIONAL ENGINEER HARWINDER SINGLA C49717 STATE OF CALIFORNIA
SIGNATURE: Harwinder Singla DATE: 3-17-20

MH engineering Co.
SUBDIVISIONS - LAND PLANNING - LAND SURVEYS
16075 VINEYARD BOULEVARD MORGAN HILL, CA 95037
(408) 779-7381 FAX: (408) 226-5712

Street Widening Plan
East Main Avenue
MORGAN HILL CALIFORNIA

CITY FILE NO.
PLAN SET: 03/2020
DRAWING: **SW-2**
3 of 13

City of Morgan Hill

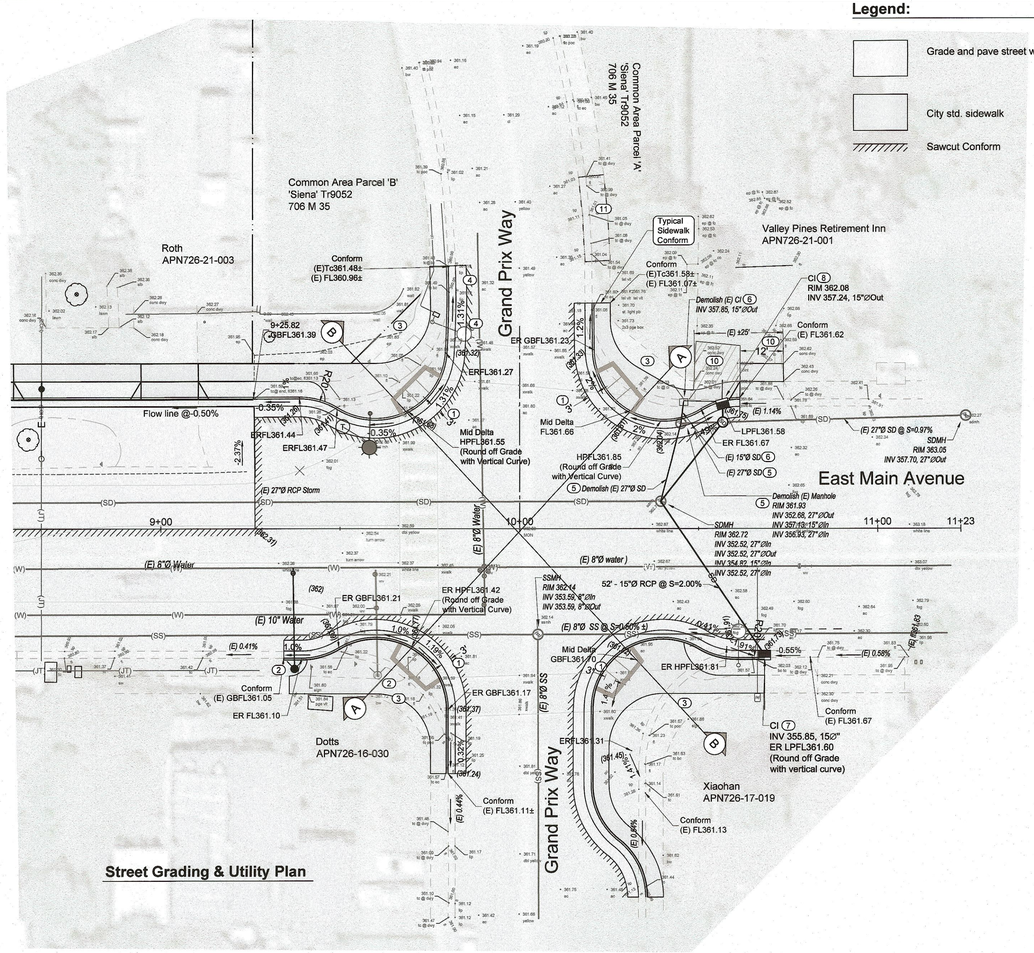
218159.2

Legend:

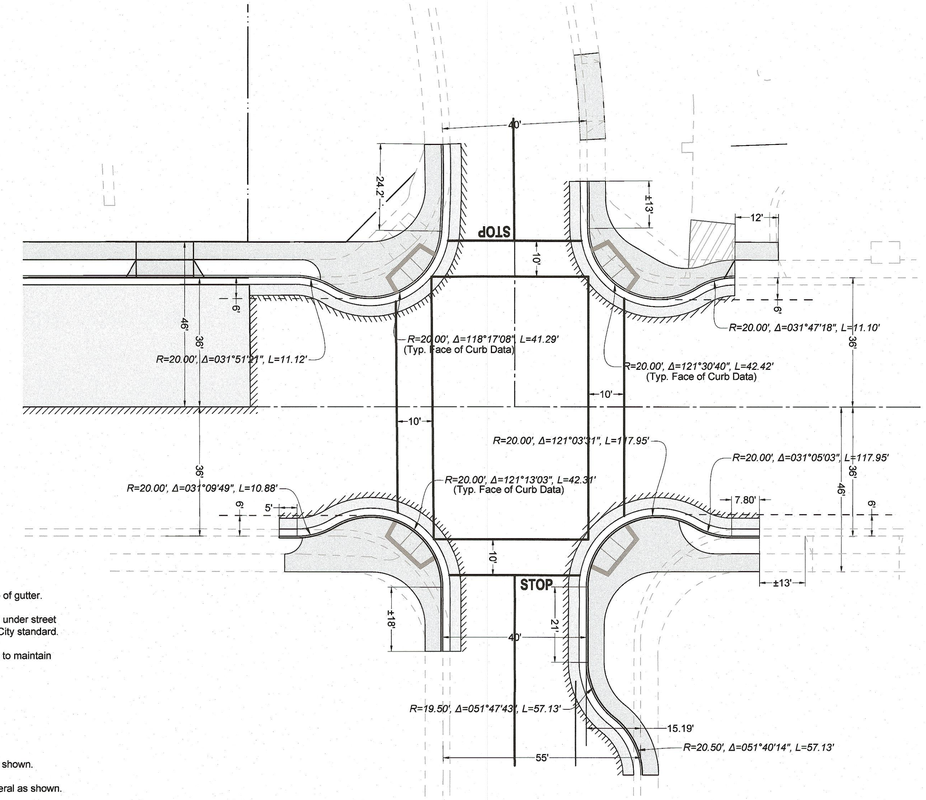
- Grade and pave street widening
- City std. sidewalk
- Sawcut Conform

SCALE: 1"=20'

0 10 20 30 40



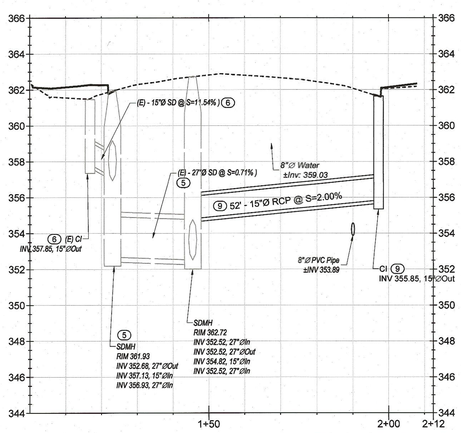
Street Grading & Utility Plan



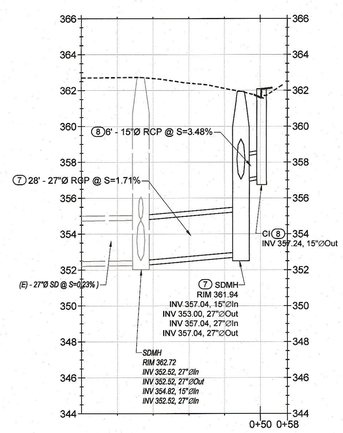
Horizontal Control Plan

Improvement Key Notes:

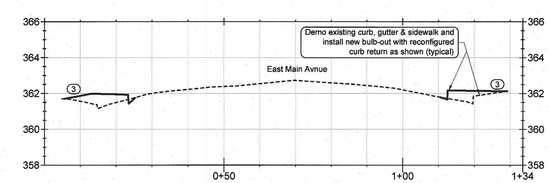
1. Sawcut conform to existing pavement at minimum 3 foot offset from the new lip of gutter.
2. Relocate existing fire hydrant as shown with new lateral connection to the main under street per City std. detail 'W-13'. Abandon existing lateral connection at the main per City standard.
3. Contractor shall review grade conform behind new sidewalk with City Inspector to maintain positive drainage flow from private property into the street.
4. Relocate existing street light as shown.
5. Demolish existing storm manhole and connecting 27"Ø main.
6. Demolish existing catch basin and connecting 15"Ø lateral.
7. Install new City std. manhole. Connect to existing manhole with 27"Ø lateral as shown.
8. Install new City std. (SD-5) catch basin. Connect to new manhole with 15"Ø lateral as shown.
9. Install new City std. (SD-5) catch basin. Connect to existing manhole with 15"Ø lateral as shown.
10. Demolish a portion of existing driveway approach and a portion of onsite driveway as shown to restrict property egress at 12 foot width for exit only.
11. Demolish existing driveway approach and replace with City std. sidewalk.
12. Contractor shall repair and/or replace any damaged private plantings and irrigation disturbed during the course of construction. It shall be his responsibility to coordinate this work with the affected property owner.



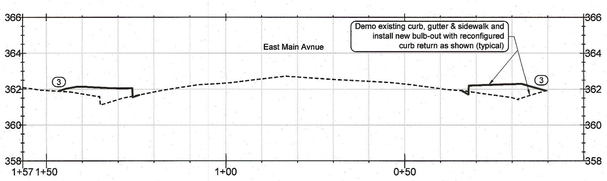
PROFILE: Section Through Proposed SE'ly Catch Basin & NE'ly Drain Demolition
SCALE H: 1"=20' SCALE V: 1"=4'



PROFILE: Section Through Proposed NE'ly SDMH & Catch Basin
SCALE H: 1"=20' SCALE V: 1"=4'



PROFILE: Section A-A
SCALE H: 1"=20' SCALE V: 1"=4'



PROFILE: Section B-B
SCALE H: 1"=20' SCALE V: 1"=4'

NO.	DESCRIPTION	DATE	BY

REVISIONS

WORK ACCEPTED: INSPECTOR:
BY: DATE:

City of Morgan Hill
Public Works Department
CITY OF MORGAN HILL
17575 PEAK AVE. MORGAN HILL, CA 95037
(408) 776-6480 FAX (408) 779-7236

DRAWN: RS	DESIGN: HS	HOR. 1"=20'
CHECKED: David Hitlemann	DATE: 3-17-20	VERT.
APPROVED: S.C.	DATE: 3/17/20	JOB NO. 218159.2

Scott C. Greer RCE 58879 — CITY ENGINEER EXP. DATE 06-30-2021

SUPERVISED BY:
SIGNATURE: DATE 3-17-20

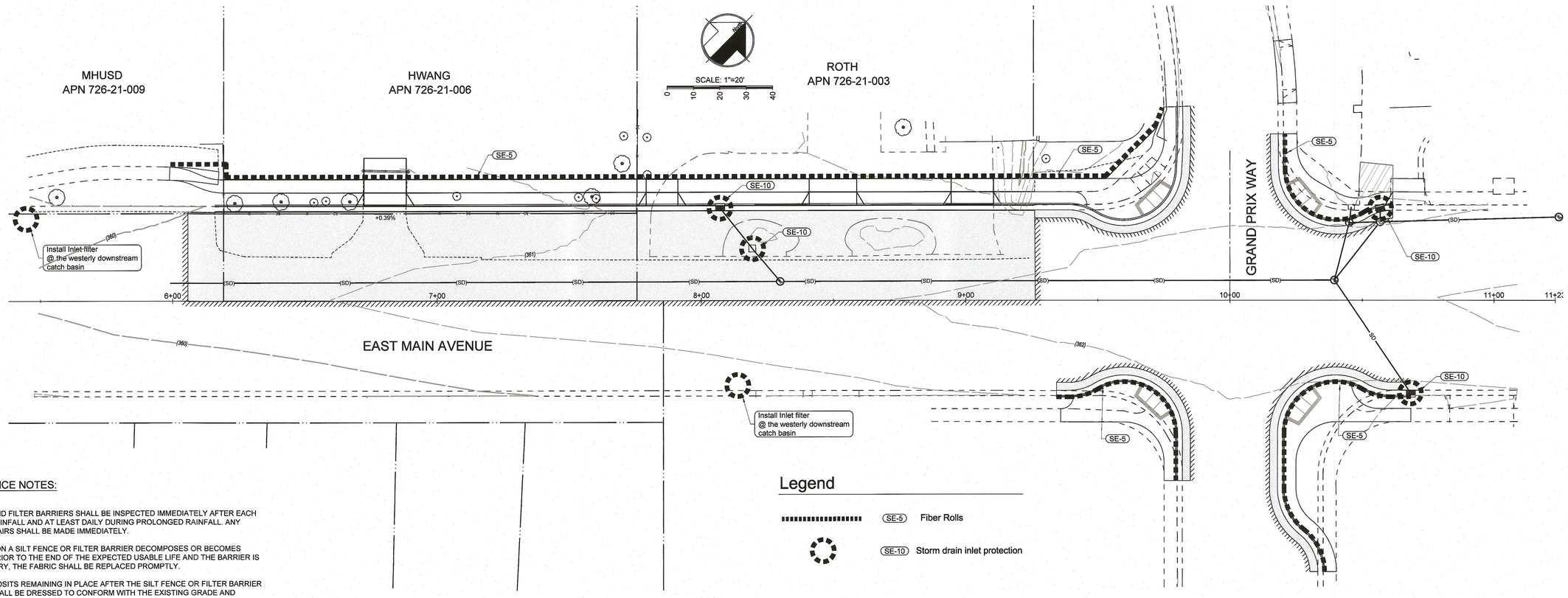
REGISTERED PROFESSIONAL ENGINEER HARVINDER SINGH C49717 STATE OF CALIFORNIA

MH engineering Co.
SUBDIVISIONS - LAND PLANNING - LAND SURVEYS
16075 VINEYARD BOULEVARD MORGAN HILL, CA 95037
(408) 779-7381 FAX: (408) 226-5712

Intersection Bulb-Out Plan
E. Main Ave & Grand Prix Way
MORGAN HILL CALIFORNIA

CITY FILE NO.
PLAN SET: 03/2020
DRAWING: **SW-3**
4 of 13

City of Morgan Hill
218159.2



MAINTENANCE NOTES:

1. SILT FENCES:
   SILT FENCES AND FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH SIGNIFICANT RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
2. IF THE FABRIC ON A SILT FENCE OR FILTER BARRIER DECOMPOSES OR BECOMES INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER IS STILL NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.
3. SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE OR FILTER BARRIER IS REMOVED SHALL BE DRESSED TO CONFORM WITH THE EXISTING GRADE AND SEEDED.
4. TEMPORARY DIVERSION DIKE:
   THIS MEASURE SHALL BE INSPECTED AFTER EACH SIGNIFICANT STORM AND REPAIRS SHOULD BE MADE TO THE DIKE, FLOW CHANNEL AND OUTLET AS NECESSARY.
5. APPROXIMATELY ONCE EVERY WEEK, WHETHER A STORM HAS OCCURRED OR NOT, DIKES SHOULD BE INSPECTED AND REPAIRED IF NEEDED. LOOK FOR BREACHES CAUSED BY VEHICLES CROSSING THE DIKE. DAMAGES CAUSED BY CONSTRUCTION TRAFFIC OR OTHER ACTIVITY SHALL BE REPAIRED BEFORE THE END OF EACH WORKING DAY.
6. CONTRACTOR SHALL MAINTAIN THE CLEANLINESS OF ALL EXISTING STREETS AND REMOVE ALL SEDIMENTS CARRIED INTO THEM BY EROSION OF GRADED AREAS DAILY OR AS REQUIRED. FOR TYPICAL EROSION CONTROL DETAILS, SEE ATTACHED DETAIL SHEET.
7. STABILIZED ENTRANCE(S) SHALL BE IN PLACE AND MAINTAINED YEAR-ROUND.

Legend

- SE-5 Fiber Rolls
- SE-10 Storm drain inlet protection

BMP-2A
Gravel Bags - Alternate Curb-Inlet Sediment Barrier (Paved Streets)

1. GRAVEL BAG SEDIMENT BARRIERS OR ITS EQUIVALENT(CINDER BLOCKS WITH FILTER FABRIC OR SILTSACKS WITH GRAVEL FILTER) SHALL BE PLACED AT ALL STORM DRAIN INLET LOCATIONS.
2. GRAVEL BAG SEDIMENT BARRIER(GRAVEL SIZE 1/2"-3/4") AROUND CURB INLET ON PAVED STREETS SHALL BE PLACED IN CURVED ROW OUT FROM THE CURB AND AWAY FROM THE INLET.
3. THE GRAVEL BAG BARRIER SHALL BE PLACED UP-GRADIENT FROM THE CURB INLET AND SHALL EXTEND INTO THE PAVED STREET TO A DISTANCE OF AT LEAST 3'.
4. TWO LAYERS OF OVERLAPPING GRAVEL BAGS SHALL BE PLACED TIGHTLY TOGETHER TO MINIMIZE THE SPACE BETWEEN THE BAGS.
5. A GAP OF ONE BAG IN THE MIDDLE OF THE TOP ROW SHALL BE LEFT OPEN TO SERVE AS A SPILLWAY FOR THE SEDIMENT FREE RUNOFF.
6. AFTER EVERY STORM EVENT, SEDIMENT ACCUMULATED BEHIND GRAVEL BAGS SHALL BE REMOVED AND GRAVEL BAGS INSPECTED FOR MAINTENANCE.

GENERAL NOTES:

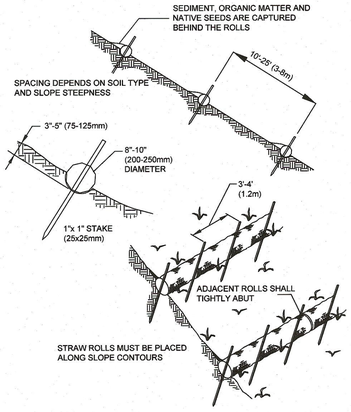
1. BEST MANAGEMENT PRACTICES(BMPs) FOR THIS PROJECT SHALL BE IN SUBSTANTIAL COMPLIANCE AT ALL TIMES WITH THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) PREPARED FOR THE PROJECT IN ACCORDANCE WITH THE STATE WATER RESOURCES CONTROL BOARD (SWRCB) ORDER NO. 2009-0009-DWQ NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) GENERAL PERMIT NO. CAS000002. THIS PERMIT REQUIRES THAT THE SWPPP BE KEPT UP TO DATE TO REFLECT THE CHANGING SITE CONDITIONS AND THE SWPPP BE KEPT UP TO DATE TO REFLECT THE CHANGING SITE CONDITIONS AND THE SWPPP IS TO BE AVAILABLE ON SITE AT ALL TIMES FOR REVIEW BY STATE AND LOCAL INPSECTORS.
2. THE EROSION CONTROL MEASURES ARE TO BE OPERABLE YEAR ROUND. BY SEPTEMBER 15, GRADING, INSTALLATION OF STORM DRAINAGE AND EROSION CONTROL FACILITIES WILL NEED TO BE COMPLETED WITH EROSION CONTROL PLANTING ESTABLISHED BY THAT TIME. NO GRADING SHALL OCCUR BETWEEN SEPTEMBER 15TH AND MAY 1ST UNLESS AUTHORIZED BY CITY OF MORGAN HILL.
3. STANDARD DROP INLET, UNDERGROUND DRAINAGE PIPE AND APPURTENANCES SHALL BE CONSTRUCTED PRIOR TO WINTERIZATION AND WILL REMAIN AS PERMANENT TRACT IMPROVEMENTS.
4. CHANGES TO THIS EROSION AND SEDIMENT CONTROL PLAN SHALL BE MADE TO MEET FIELD CONDITIONS ONLY WITH THE APPROVAL OF OR AT THE DIRECTION OF THE CITY OF MORGAN HILL.
5. DURING THE RAINY SEASON, ALL PAVED AREAS SHALL BE KEPT CLEAR OF EARTH MATERIAL AND DEBRIS. THE SITE SHALL BE MAINTAINED SO AS TO MINIMIZE SEDIMENT LADEN RUNOFF TO ANY STORM DRAINAGE SYSTEM.
6. THIS PLAN COVERS ONLY THE FIRST WINTER FOLLOWING GRADING. PLANS ARE TO BE RESUBMITTED FOR CITY APPROVAL PRIOR TO SEPTEMBER 1 OF EACH SUBSEQUENT YEAR UNTIL THE TRACT IMPROVEMENTS ARE ACCEPTED BY THE COUNTY.
7. SEED AND MULCH ARE TO BE PLACED ON ALL DISTURBED SLOPES STEEPER THAN 2% AND HIGHER THAN 3 FEET, ON ALL CUT AND FILL SLOPES WITHIN OR ADJACENT TO ALL PUBLIC RIGHTS OF WAY AND AS DIRECTED BY THE CITY. SEED PLACED BETWEEN MAY AND SEPTEMBER SHALL BE IRRIGATED AS NECESSARY TO ESTABLISH GROWTH BY OCTOBER 1.
8. DRAIN INLETS SHALL BE PROTECTED PER DETAIL SE-10 OF SWPPP MANUAL PRIOR TO GRADING ACTIVITIES OR AS SOON AS PRACTICAL.
9. SEDIMENT CONTROL BMPs SHALL BE INSTALLED PRIOR TO GRADING ACTIVITIES OR AS SOON AS PRACTICAL, AND MAINTAINED YEAR ROUND.

STORM WATER POLLUTION PREVENTION PLAN (SWPPP) PLAN GENERAL NOTES:

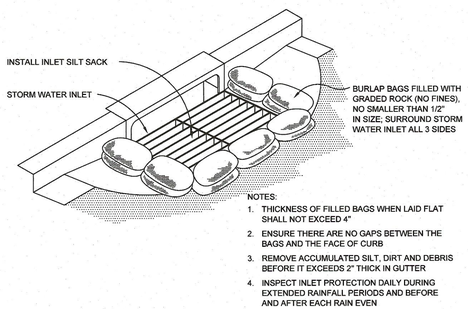
1. PRIOR TO CONSTRUCTION/GRADING ACTIVITY, A SWPPP PLAN SHALL BE PREPARED BY THE CONTRACTOR AND APPROVED BY THE DEPARTMENT OF PUBLIC WORKS.
2. A COPY OF THE CURRENT SWPPP PLAN SHALL BE MADE AVAILABLE TO OPERATING PERSONNEL AND REMAIN ON SITE WHILE UNDER CONSTRUCTION DURING WORKING HOURS, COMMENCING WITH THE INITIAL CONSTRUCTION ACTIVITY AND ENDING WITH CITY ACCEPTANCE OF THE PROJECT.
3. PER THE SWPPP PLAN ALL MEASURES AND BEST MANAGEMENT PRACTICES (BMP'S) SHALL BE IMPLEMENTED AND MAINTAINED THROUGHOUT THE COURSE OF CONSTRUCTION.
4. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL PROJECT CONTRACTORS AND SUBCONTRACTORS IMPLEMENT ALL APPLICABLE SWPPP MEASURES.
5. UNDER SECTION 308(b) OF THE CLEAN WATER ACT (CWA), THE SWPPP PLAN TO BE MADE AVAILABLE TO THE PUBLIC. THE SWPPP SHALL BE PROVIDED, UPON REQUEST, TO THE REGIONAL WATER QUALITY CONTROL BOARD (RWQCB) OR CITY PERSONNEL.
6. AS CONSTRUCTION ACTIVITY CHANGES SITE CONDITIONS, THE SWPPP PLAN SHALL BE AMENDED TO REFLECT THE CURRENT SITE CONDITIONS. ALL SWPPP AMENDMENTS SHALL BE DILIGENTLY RECORDED AND IMPLEMENTED.
7. CONTRACTOR SHALL COORDINATE WITH SWPPP MANUAL WPCD AND THIS PLAN; AREAS DESIGNATED FOR (IF APPLICABLE):
   a. CONSTRUCTION MATERIAL LOADING AND UNLOADING
   b. MATERIAL AND EQUIPMENT STORAGE AREA
   c. CHEMICAL AND HAZARDOUS MATERIALS STORAGE AREA
   d. SOLID WASTE STORAGE AREA
   e. VEHICLE MAINTENANCE/STORAGE AND SERVICE/FUELING AREA
   f. CONCRETE, STUCCO AND PAINT WASHOUT AREAS
   g. STOCKPILES

   ALL ABOVE AREAS SHALL BE 50 FEET AWAY UPSTREAM OF PROPOSED AND EXISTING DRAIN INLETS.

   THIS PLAN SHALL BE AMENDED TO REFLECT THE CURRENT SITE CONDITIONS.

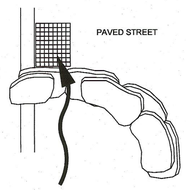


STRAW WATTLES
N.T.S.



NOTES:
1. THICKNESS OF FILLED BAGS WHEN LAID FLAT SHALL NOT EXCEED 4"
2. ENSURE THERE ARE NO GAPS BETWEEN THE BAGS AND THE FACE OF CURB
3. REMOVE ACCUMULATED SILT, DIRT AND DEBRIS BEFORE IT EXCEEDS 2" THICK IN GUTTER
4. INSPECT INLET PROTECTION DAILY DURING EXTENDED RAINFALL PERIODS AND BEFORE AND AFTER EACH RAIN EVEN

BURLAP SACK SEDIMENT FILTER
INLET SEDIMENT CONTROL FOR PAVED STREETS
SCALE: NONE



GRAVEL BAGS
N.T.S.

NO.	DESCRIPTION	DATE	BY

REVISIONS

WORK ACCEPTED: INSPECTOR:
BY: DATE:

City of Morgan Hill
Public Works Department
CITY OF MORGAN HILL
17575 PEAK AVE. MORGAN HILL, CA 95037
(408) 776-6480 FAX (408) 779-7236

DRAWN: RS	DESIGN: HS	HOR. 1"=20'
CHECKED: David Hitthum	DATE: 3-17-20	VERT. NONE
APPROVED: S. Creer	DATE: 3/17/20	JOB NO. 218159.2

Scott C. Creer RCE 58879 — CITY ENGINEER EXP. DATE 06-30-2021

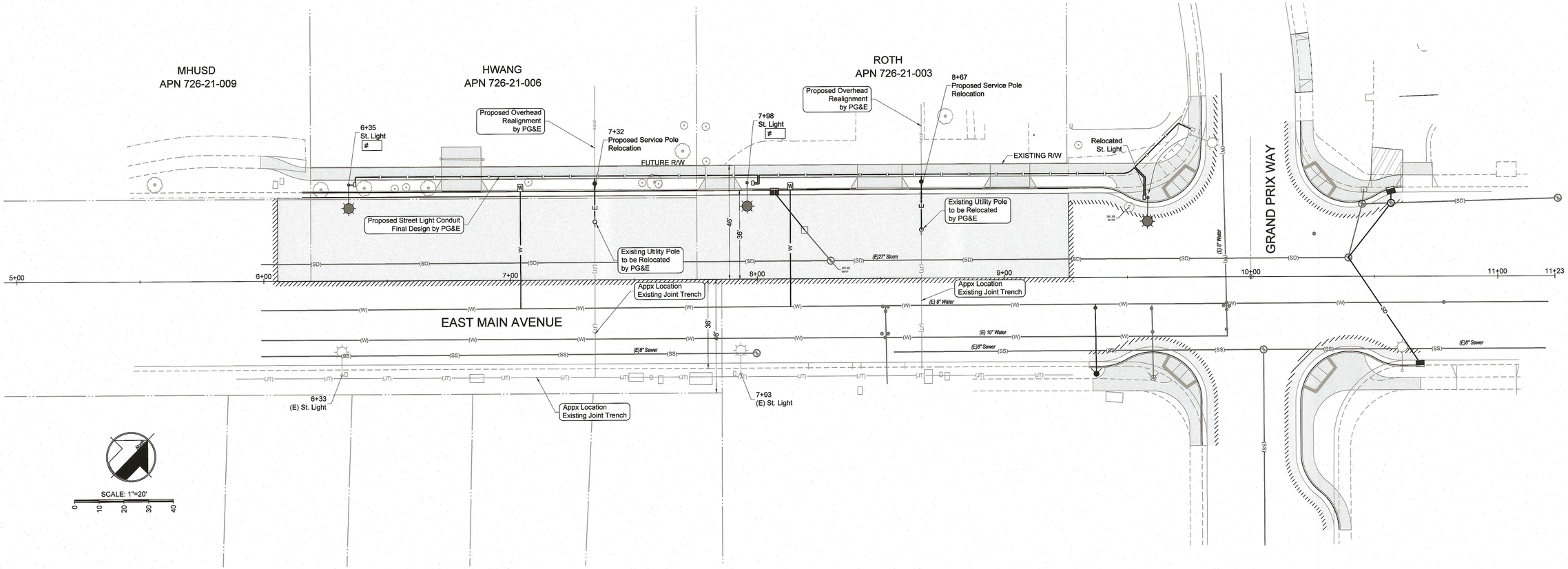
SUPERVISED BY:
REGISTERED PROFESSIONAL ENGINEER HARVINDER SINGLA C49717 STATE OF CALIFORNIA
SIGNATURE: DATE 3-17-20

MH engineering Co.
SUBDIVISIONS - LAND PLANNING - LAND SURVEYS
16075 VINEYARD BOULEVARD MORGAN HILL, CA 95037
(408) 779-7381 FAX: (408) 226-5712

Erosion & Sediment Control Plan
East Main Avenue
MORGAN HILL CALIFORNIA

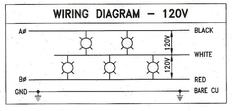
CITY FILE NO.
PLAN SET: 03/2020
DRAWING: **ECP-1**
5 of 13

City of Morgan Hill
218159.2



LEGEND

	EXISTING TRENCH OR UTILITIES
	PROPOSED 1 ¾" SCH. 40 PVC CONDUIT (APPROX. 360 LF)
	EXISTING STREET LIGHT SPLICE BOX
	STREET LIGHT BOX (STATE TYPE 3 ½)
	EXISTING STREET LIGHT
	PROPOSED SINGLE ARM 80 LED STREET LIGHT (8' ARM) per City std Detail E-1 & E-2
1234	STREET LIGHT NUMBER



NOTE:
CONDUIT SHOWN SCHEMATICALLY. REFER TO JOINT TRENCH COMPOSITE PLAN FOR EXACT TRENCH AND BOX LOCATIONS.

CAUTION:
CONTACT U.S.A. (811) (2) FULL WORKING DAYS PRIOR TO STARTING WORK IF EXISTING UTILITIES CONFLICT WITH POLE LOCATION, FIELD ADJUST TO CLEAR EXISTING UTILITIES A MINIMUM OF 3'–0".

TWO DAYS BEFORE YOU DIG
CALL USA TOLL FREE
811
CALL BEFORE YOU DIG

NO.	DESCRIPTION	DATE	BY

REVISIONS

WORK ACCEPTED: INSPECTOR:
BY: DATE:

CITY OF MORGAN HILL

City of Morgan Hill
Public Works Department
17575 PEAK AVE. MORGAN HILL, CA 95037
(408) 776-6480 FAX (408) 779-7236

DRAWN: RS
DESIGN: HS
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Scott C. Creer RCE 58879 CITY ENGINEER EXP. DATE 06-30-2021

SUPERVISED BY:
REGISTERED PROFESSIONAL ENGINEER HARVINDER S. NIJJA C49717 STATE OF CALIFORNIA
SIGNATURE DATE 3-17-20

MH engineering Co.
SUBDIVISIONS - LAND PLANNING - LAND SURVEYS
16075 VINEYARD BOULEVARD MORGAN HILL, CA 95037
(408) 779-7381 FAX: (408) 226-5712

Street Lighting & Utility Pole Relocation Plan East Main Avenue
MORGAN HILL CALIFORNIA

CITY FILE NO.
PLAN SET: 03/2020
DRAWING: **SL-1**
6 of 13

City of Morgan Hill
218159.2

ELECTRICAL SECTION

GENERAL

All electrical equipment, materials, and workmanship shall be in accordance with the Standard Specifications, State of California, Department of Transportation, Caltrans (CSS), the National Electrical Manufacturers Association (NEMA), the Underwriters' Laboratories Inc. (UL), the Electrical Testing Laboratories (ETL), the National Electrical Testing Association (NETA), the Electronic Industries Association (EIA), the National Electric Code (NEC), the American Society for Testing and Materials (ASTM), where applicable and and except as modified herein.

ELECTROLIERS

(a) Electroliers. All electroliers shall be installed by the developer (30 led @ residential, 50 led @ collector, 80 led @ arterial, at the locations shown on these plans). see electrical section of the standard details. Electroliers shall be beta led, a division of rudd lighting or approved equal. The standard specifications and details, latest edition, of the city of Morgan Hill shall govern unless otherwise specified herein.

(b) Conduit. All conduit shall be 1 1/2" Schedule 40 Polyvinyl Chloride (PVC), and conform to ASTM D 2241. Rigid conduit may be required by the City Engineer.

(c) Trenching for Conduits. Conduit trenches shall be dug to 24" min. depth. Conduit shall be placed directly behind the back of curb (6" Max., from back of curb to center of conduit). In cases where there will be an attached sidewalk, the backfill material shall be sand with the concrete sidewalk poured over the trench location. In cases where there will be a detached sidewalk, the conduit shall be covered by 3 inches of concrete. For electrolier conduit designed to occupy PG&E's joint trench, see paragraph h.

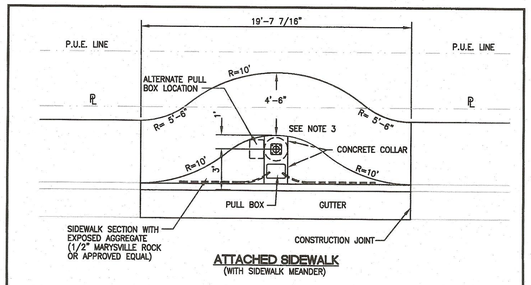
(d) Conductors. All conductors shall be #8 AWG typeTHW (#10 AWG allowed in pole only) unless otherwise specified, and be UL listed for 600V operation. All wire shall be stranded copper in accordance with ASTM B 3 and B 8. All conductor insulation shall be standard type THW in accordance with ASTM D 2219 and ASTM D 2220.

(e) Fuses. Fuses shall be standard midget ferrule type, with "Non–Time Delay" feature, and shall be 13/22" x 1 1/2". All lighting service conductors shall be fused at the service connection point (30 AMP Max) and at all electroliers with a 10 Amp fuse accesible from the hand hole opening on the standard.

(f) Service Connection Point Pull boxes for streetlight service connection points shall be installed adjacent to P.G.&E. secondary box designated for service connection.

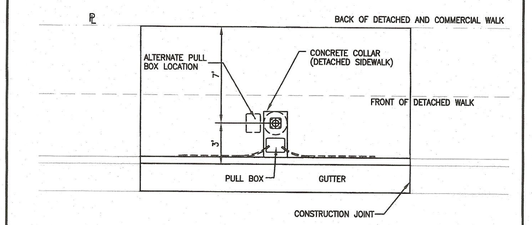
(g) Pull Boxes. Pull boxes shall be precast of reinforced portland cement concrete in accordance with CSS Section 86–2.06A. Any pull box made of non portland cement concrete material shall conform to ASTM D 635. All individual pull boxes for electroliers shall be placed directly in front of the standard and parallel to the face of curb.

City of Morgan Hill Public Works Department			GENERAL NOTES	DRAWING NO.
Jim Ashcraft CITY ENGINEER	4/1/96 DATE	3/15/07 REVISED		E-I



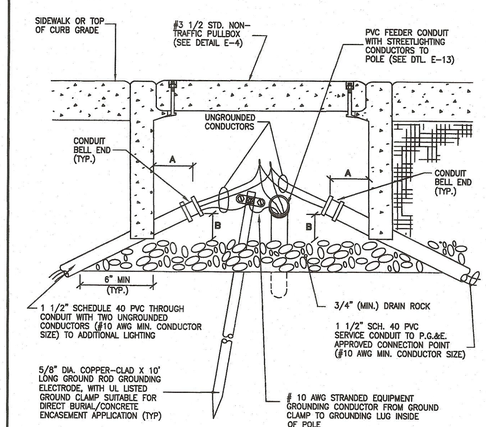
ATTACHED SIDEWALK
(WITH SIDEWALK MEANDER)

NOTES:
1. JOINT TRENCHES LOCATED BEHIND SIDEWALK SHALL FOLLOW PATH OF MEANDER AROUND ELECTROLIER (ATTACHED SIDEWALK).
2. SEE DETAIL E-11 "ELECTROLIER & BASE", DETAIL E-13 "ELECTROLIER SERVICE CONNECTION", DETAIL E-4 "CONCRETE PULLBOX NON–TRAFFIC" AND DETAIL E-7 "CONCRETE PULLBOX NOTES".
3. SEE DETAIL E-3 FOR ELECTROLIER LOCATION WITHOUT SIDEWALK MEANDER.



DETACHED OR COMMERCIAL SIDEWALK

City of Morgan Hill Public Works Department			ELECTROLIER LOCATION ATTACHED SIDEWALK (with) SIDEWALK MEANDER, DETACHED, & COMMERCIAL SIDEWALK	DRAWING NO.
Jim Ashcraft CITY ENGINEER	4/1/96 DATE	3/15/07 REVISED		E-2



DIMENSION
A: 1" MIN. 2" MAX. (TYP.– ALL CONDUITS)
B: 1" MIN. 2" MAX. (TYP.– ALL CONDUITS)

NOTES:
1. SEE DETAILS E–6 AND E–7 NOTES.
2. PROVIDE 3' OF SLACK IN ALL CONDUCTORS IN ACCORDANCE WITH SPECIFICATIONS. (SLACK NOT SHOWN.)
3. 240V STREETLIGHTING CIRCUIT SHOWN. 120V STREETLIGHTING SIMILAR EXCEPT NEUTRAL CONDUCTOR IS PRESENT.

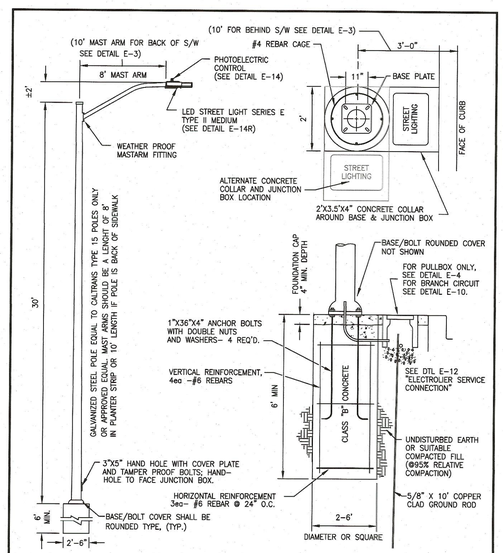
City of Morgan Hill Public Works Department			STREETLIGHT–BRANCH CIRCUIT PULLBOX	DRAWING NO.
Jim Ashcraft CITY ENGINEER	4/1/96 DATE	REVISED		E-10

CONTRACTORS NOTES:

1. ALL WORK AND MATERIALS SHALL BE IN FULL ACCORDANCE WITH THE LATEST RULES AND REGULATIONS OF THE STATE FIRE MARSHALL, FEDERAL AND ALL APPLCABLE CITY, COUNTY STATE AND LOCAL UTILITY COMPANY REGULATIONS; n.e.c., AND THE LATEST APPROVED STANDARD OF I.E.E.E., A.S.A., N.E.M.A., U.L. AND OSHA WHERE APPLICABLE. NOTHING IN THESE PLANS OR SPECIFICATION IS TO BE CONSTRUED TO PERMIT WIRK NOT CONFORMING TO THE ABOVE. ALSO, ALL SECTIONS OF STATE OF CALIFORNIA PUC G.O. 95 SHALL APPLY.
2. THE ELECTRICAL CONTRACTOR SHALL INSTALL THE UNDERGROUND SERVICE FROM THE LUMINAIRE TO PG&E SERVICE POINT AND TERMINATE CONDUIT AND WIRES AT BOX AS DIRECTED BY PG&E.
3. KEEP STREET LIGHTS A MINIMUM OF 3 FEET AWAY FROM THE EDGE OF DRIVEWAYS OR 5 FEET AWAY FROM FIRE HYDRANTS.
4. TWO OR MORE STREET LIGHTS ON THE SAME CIRCUIT SHALL BE WIRED TO BALANCE THE LOAD. (SEE WIRING DIAGRAM)
5. CONDUIT AND FITTINGS: ALL CONDUIT AND FITTINGS SHALL BE U.L. APPROVED. UNLESS OTHERWISE NOTED OR REQUIRED, USE MINIMUM 2" SCHEDULE 40 P.V.C. CONDUIT AND FITTINGS BELOW GRADE. MINIMUM RADIUS BENDS SHALL BE 18". FOR ABOVE GROUND INSTALLATION AND IN POLE BASE, USE METALLIC RIGID STEEL CONDUIT. PROVIDE PULL WIRE IN ALL EMPTY CONDUITS. ALL CROSSINGS TO BE PERPENDICULAR TO STREET.
6. CONDUIT DEPTH: 24" UNDER SIDEWALK; 24" UNDER PLANTER STRIP; 36" UNDER PAVEMENT.
7. CABLE: CABLE SHALL BE U.L. LISTED 600 VOLT A.W.G. NO. 8, 7-STRAND son COPPER, TYPE THW OR THWN WITH MINIMUM OF 3/64" (40 MIL) POLYVINYL CHLORIDE INSULATION, UNLESS OTHERWISE NOTED. U.L. LISTED 600 VOLT, 140. 10 IN POLE MAYBE USED.
8. SPLICE BOXES: SPLICE BOXES SHALL BE NO. 3-1/2 STATE TYPE WITH LID AND BRASS HOLDDOWN BOLTS, UNLESS OTHERWISE NOTED. LIDS TO BE INSCRIBED 'STREET LIGHTING' SPLICE BOXES SHALL NOT BE MORE THAN 200 FEET APART ON LONG RUNS. (SEE CALTRANS DETAIL ES-8).
9. FUSES: EACH POLE SHALL BE FUSED WITH WATERPROOF IN-LINE FUSE HOLDERS (BUSHMAN HEB SERIES) AT EACH ADJACENT SPLICE BOX WITH 5 AMP FUSE.
10. SPLICING: ALL SPICES SHALL BE MADE IN STREET LIGHT BOXES ONLY. SPLICES SHALL BE MADE WITH 'C' SHAPED COMPRESSION CONNECTORS. ON SPLICES, WRAP WITH MOISTURE PROOF INSULICION A MINIMUM OF 1-1/2 TIMES THE THICKNESS OF REQUIRED WIRE INSULATION THICKNESS. SPLICES SHALL BE IN ACCORDANCE WITH CALTRANS STANDARD METHOD 'B'. (SEE CALTRANS DETAIL ES-13).
11. POLE NUMBERS: OBTAIN AND PLACE POLE NUMBERS ON ALL STREET LIGHT STANDARDS AS REQUIRED. COORDINATE WITH PG&E AND/OR COUNTY. FOR TIER REQUIREMENTS.
12. TRENCH: CONDUIT CAN BE PLACED IN JOINT TRENCH. CONDUIT LAYOUT IS SHOWN SCHEMATICALLY. SEE COMPOSITE DRAWNG FOR TRENCH LOCATION. ANY INCIDENTAL TRENCHING NOT PROVIDED BY TRENCHING AGENT IS CONTRACTOR'S RESPONSIBILITY.
13. CONTRACTOR TO INSTALL CIRCUIT GROUNDING AND GROUND WIRE IN CONDUIT AS PER PLANS.
14. CENTERLINE OF STREET LIGHTS SHALL BE LOCATED ON THE LOT LINE UNLESS OTHERWISE NOTED ON THESE PLANS.
15. A LIST OF ALL MATERIALS & SUPPLIERS SHOULD BE PROVIDED TO AUTHORITY HAVING JURISDICTION FOR APPROVAL.
16. BURN TEST: DAY BURN FOR 24 HOURS FOR 5 CONSECUTIVE DAYS FOR COUNTY INSPECTOR APPROVAL.
17. GROUNDING AND BONDING SHALL PROPERLY INTERCONNECT ALL METAL PARTS OF THE SYSTEM.
18. ALL CONNECTIOSN SHALL BE SECURED WITH LOCK NUTS AND INSULATED BUSHINGS.
19. CONTRACTOR SHALL CONSULT LOCAL AGENCIES FOR THEIR CIRCUIT GROUNDING REQUIREMENTS IF GROUND WIRE IS REQUIRED IN CONDUIT, INSTALL ACCORDINGLY.
20. WATERPROOF INLINE FUSES SHALL BE PROVIDED IN THE SPLICE BOX NEXT TO EACH NEW OR RELOCATED STREET LIGHT. IF THE DESIGN IS SUCH THAT NO BOXES WILL BE INSTALLED, THE SPLICE SHALL BE LOCATED IN THE HANDHOLE.
21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING A COMPLETE OPERATING SYSTEM.
22. EACH STREET LIGHT SHALL BE CONTROLLED BY A PHOTO ELECTRIC CELL MOUNTED ON TOP OF EACH LUMINAIRE OR THE TOP OF EACH POLE DEPENDING UPON THE MANUFATURER'S RECOMMENDATIONS OR CONTROLLED BY OTHER MEANS AS SHOWN ON THE DRAWINGS.
23. FOUNDATION MOUNTED ELECTROLIERS SHALL BE PLUMBED BY ADJUSTING THE NUTS ON THE ANCHOR BOLTS BEFORE THE FOUNDATION CAP IS PLACED. SHIMS OR OTHER SIMILAR DEVICES FOR PLUMBING OR RAKING WILL NOT BE PERMITTED. AFTER PLUMBING THE STANDARD, ANCHOR BOLTS SHALL BE CUT OFF ¼" ABOVE THE NUTS AND THE EXPOSED SURFACES SHALL BE REPAIRED AS INDICATED BY THE INSPECTING AGENCY.
24. AS-BUILT DRAWINGS SHALL BE SUBMITTED TO THE STREET LIGHT ADMINISTRATION DEPT. OF THE COUNTY PRIOR TO ACCEPTANCE OF THE STREET LIGHTING SYSTEM.

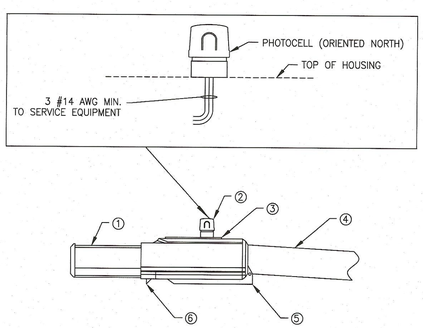
STREET LIGHTING GENERAL NOTES:

1. ALL WORK AND MATERIALS SHALL BE IN FULL ACCORDANCE WITH THE LATEST RULES AND REGULATIONS OF THE STATE FIRE MARSHALL FEDERAL AND ALL APPLICABLE CITY, COUNTY, STATE AND LOCAL UTILITY COMPANY REGULATIONS; N.E.C., AND THE LATEST APPROVED STANDARDS OF I.E.E.E., A.S.A. N.E.M.A., U.L AND OSHA WHERE APPLICABLE. NOTHING IN THESE PLANS OR SPECIFICATIONS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THE ABOVE. ALSO, ALL SECTIONS OF STATE OF CALIFORNIA PUC G.O. 95 SHALL APPLY.
2. MATERIALS FURNISHED UNDER THIS SECTION OF THESE SPECIFICATIONS FOR WHICH UL STANDARDS HAVE BEEN ESTABLISHED SHALL BE LISTED AND BEAR THE LABEL OF UNDERWRITER'S LABORATORIES, INC.
3. WHERE REQUIREMENTS OF APPLICABLE CODES AND STANDARDS CONFLICT WITH THE DRAWINGS OR THESE SPECIFICATIONS, THE MORE STRINGENT REQUIREMENT SHALL GOVERN.
4. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY FIELD CHANGES MADE WITHOUT FIRST NOTIFYING & OBTAINING APPROVAL FROM CITY/COUNTY AGENCY & MH ENGINEERING CO.
5. MH ENGINEERING CO. ASSUMES NO RESPONSIBILITY FOR ANY VARIANCE BETWEEN THESE PLANS AND THE ACTUAL FIELD CONDITIONS. CONTRACTOR SHOULD REVIEW PROJECT SITE PRIOR TO SUBMITTING ITS BID.
6. LEGEND SYMBOLS ARE SHOWN IN STREET AREA FOR CLARITY. INSTALL BEHIND CURB AND/OR SIDEWALK PER COUNTY SPECIFICATIONS KEEP CLEAR OF DRIVEWAYS AND PATHWAYS (TYPICAL).
7. ANY CHANGES OR MODIFICATIONIS TO PROPOSED STREET LIGHT LOCATIONS SHALL BE APPROVED, IN WRITING, BY THE CITY/COUNTY AGENCY PRIOR RO INSTALLATION.



NOTE: THE APPLICATION SHOWN REFERENCES ELECTROLIERS INSTALLED WITH A MEANDERING SIDEWALK. FOR ELECTROLIERS LOCATED BEHIND THE SIDEWALK USE DETAIL E–3 FOR LOCATION DIMENSIONS.
*TYPE 15 POLE SHALL MEET THE REQUIREMENT OF THE MOST CURRENT CAL TRANS STANDARD ES–6A(UPDATE)

City of Morgan Hill Public Works Department			ELECTROLIER & BASE	DRAWING NO.
Jim Ashcraft CITY ENGINEER	4/1/96 DATE	11/21/17 REVISED		E-11



SIDE VIEW

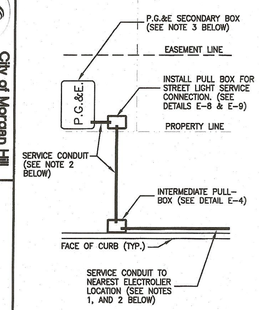
LED STREETLIGHT SERIES E
TYPE II MEDIUM

NOTES:

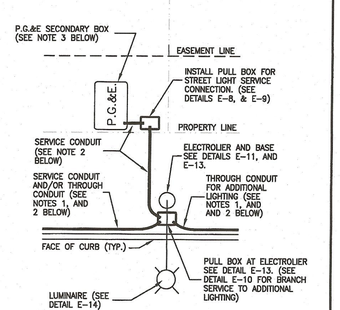
① LIGHT ENGINE PORTION OF EXTRUSION TO REMAIN NATURAL ALUMINUM, NO PAINTING
② NEMA PHOTOCELL(NOT INCLUDED) AND RECEPTICAL
③ FIXTURE HOUSING IS ALL ALUMINUM AND DESIGNED TO MOUNT ON 1.25" OR 2" O.D. HORIZONTAL TENON, 3 BOLT PATTERN, POLE TYPE 15
④ MAST/ARM LENGHT 10' FOR POLE AT BACK OF WALK, OR 8' LENGHT FOR USE IN PARK STRIP
⑤ COVER
⑥ LATCH
⑦ UTILIZE CREE BRAND FIXTURE OR CITY APPROVED EQUIVALENT. WATTAGE SHALL BE BASED ON EQUIVALENT WATTAGE. RESIDENTIAL STREETS WILL BE 53 WATTS, COLLECTOR WILL BE 89 WATTS AND ARTERIAL STREETS WILL BE 139 WATTS.
⑧ ALL RESIDENTIAL FIXTURES SHALL HAVE BACKLIGHTING SHIELDS.

City of Morgan Hill Public Works Department			LED LUMINAIRE	DRAWING NO.
CITY ENGINEER	3/4/14 DATE	11/13/17 REVISED		E-14

City of Morgan Hill Public Works Department			SERVICE CONNECTION DIAGRAM	DRAWING NO.
Jim Ashcraft CITY ENGINEER	4/1/96 DATE	REVISED		E-1



SERVICE FROM REMOTE CONNECTION POINT



SERVICE FROM NEARBY CONNECTION POINT

NOTES:
1. ALL CONDUIT SHALL BE LOCATED 6" BEHIND BACK OF CURB, AND INSTALLED AT A MINIMUM OF 24" DEPTH. SEE "ELECTRICAL SECTION–GENERAL NOTES", SHEET E–I, PARAGRAPH C.
2. ALL CONDUIT SHALL BE 1 1/2" SCHEDULE 40 P.V.C.. THE MAXIMUM DISTANCE BETWEEN PULL BOXES SHALL NOT EXCEED 200', AND SHALL NOT CONTAIN MORE THAN 3 (45° MAX.) BENDS.
3. STREET LIGHT SERVICE CONNECTIONS TO P.G.&E. SECONDARY SERVICE BOXES SHALL ONLY BE MADE TO P.G.&E. DESIGNATED STREET LIGHT CONNECTION POINTS. SERVICE CONDUIT FROM PULL BOX TO P.G.&E. SECONDARY BOX SHALL CONTAIN THE NECESSARY CONDUCTORS, AND AN ADDITIONAL 24" (MIN.) SLACK FOR P.G.&E..
4. THIS DETAIL IS DIAGRAMMATICAL, ACTUAL CONDITIONS MAY VARY.

LUMINAIRE SCHEDULE

TYPE	LUMINAIRE	MTG. HT.	ARM	POLE HT.	MATERIAL	QUANTITY
COBRAHEAD	BOLED, 135W, 120V	32'±	8'–0"	30'–0"	GALV. STEEL	2

*NOTE: CONTRACTOR TO VERIFY ALL QUANTITIES AND SPECIFICATIONS PRIOR TO ORDERING.

CAUTION:
CONTACT U.S.A. (811) (2) FULL WORKING DAYS PRIOR TO STARTING WORK IF EXISTING UTILITIES CONFLICT WITH POLE LOCATION, FIELD ADJUST TO CLEAR EXISTING UTILITIES A MINIMUM OF 3'–0".

TWO DAYS BEFORE YOU DIG CALL USA TOLL FREE 811
CALL BEFORE YOU DIG

NO.	DESCRIPTION	DATE	BY

REVISIONS

WORK ACCEPTED: INSPECTOR:
BY: DATE:

City of Morgan Hill
Public Works Department
CITY OF MORGAN HILL
17575 PEAK AVE. MORGAN HILL, CA 95037
(408) 776-6480 FAX (408) 779-7236

DRAWN: RS	DESIGN: HS	HOR. 1"=20'
CHECKED: David Gittins	DATE: 3-17-20	VERT.
APPROVED:	DATE: 3/17/20	JOB NO. 218159.2

Scott C. Creer RCE 56879 — CITY ENGINEER EXP. DATE 06-30-2021

SUPERVISED BY: SIGNATURE — DATE 3-17-20

REGISTERED PROFESSIONAL ENGINEER HARVINDER SINGH C49717 STATE OF CALIFORNIA

MH engineering Co.
SUBDIVISIONS - LAND PLANNING - LAND SURVEYS
16075 VINEYARD BOULEVARD MORGAN HILL, CA 95037
(408) 779-7381 FAX: (408) 226-5712

Conceptual Street Lighting Details
East Main Avenue
MORGAN HILL CALIFORNIA

CITY FILE NO.
PLAN SET: 1/20
DRAWING: **SL-2**
7 of 13

Conceptual Street Lighting Details

218159.2

R3-17

R1-5

R1-5

(Detail ##) INSTALL PAVEMENT MARKINGS PER CALTRANS STANDARD DETAILS (OR DETAIL SHOWN ON THIS SHEET), DETAIL NUMBERS AS SHOWN ON THE PLANS

[1] INSTALL HIGH VISIBILITY YELLOW CROSSWALK PER 2015 STANDARD PLAN A24F

[2] YIELD LINE (SEE DETAIL ON FB-2)

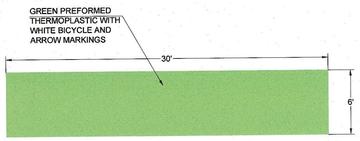
(A) INSTALL RECTANGULAR RAPID FLASHING BEACON (RRFB) ASSEMBLY (SEE SHEET FB-2 FOR DETAILS)

(B) INSTALL SIGN R1-5 ON NEW POST

(C) RE-STRIPE EXISTING "STOP" LEGEND AND CENTERLINE MARKINGS PER CITY STD. "A-30"

GENERAL NOTES:

1. ALL PAVEMENT MARKINGS AND STRIPES THAT CONFLICT WITH THE NEW INSTALLATION ARE TO BE REMOVED BY WET SANDBLASTING
2. ALL STRIPING AND PAVEMENT MARKING SHALL BE THERMOPLASTIC
3. LANE DIMENSIONS ARE MEASURED FROM CENTER OF STRIPE TO CENTER OF STRIPE OR TO FACE OF CURB
4. ALL SIGN CODES ARE PER 2014 CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES UNLESS OTHERWISE NOTED ON THE PLAN
5. SIGN POST SHALL BE METAL "TELESPAR" 1" SQUARE SIGN POSTS WITH "TELESPAR" 2" SQUARE ANCHOR OR APPROVED EQUAL
6. EXACT LOCATIONS AND POSITIONS OF ROAD SIGNS SHALL BE DETERMINED BY THE ENGINEER
7. LANE WIDTHS REMAIN PER EXISTING CONDITIONS
8. CROSSWALK SIGNS ON RRFB ASSEMBLY TO BE FLUORESCENT YELLOW/GREEN
9. LOCATION OF RRFB ASSEMBLY MAY BE ADJUSTED SLIGHTLY THAN SHOWN TO IMPROVE SOLAR PANEL VIEW AND ANGLE TO SUN, IF MOVED, SIGNS MUST STILL BE VISIBLE TO APPROACHING MOTOR VEHICLES
10. ALL RRFB ASSEMBLIES ARE TO BE WIRELESSLY CONNECTED, IF ANY PUSH BUTTON IS PRESSED, BEACONS ON ALL ASSEMBLIES ARE ACTIVATED



Detail "A"
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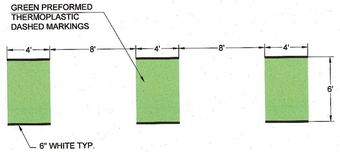


Detail "B"
N.T.S.

NO.	DESCRIPTION	DATE	BY

REVISIONS

WORK ACCEPTED: BY: DATE:
INSPECTOR: DATE:

City of Morgan Hill
Public Works Department
CITY OF MORGAN HILL
17575 PEAK AVE. MORGAN HILL, CA 95037
(408) 776-6480 FAX (408) 779-7236

DRAWN: RS
DESIGN: HS
HOR. 1"=10'
VERT.
CHECKED: David Ritter DATE: 3-17-20
APPROVED: S.C. DATE: 3/17/20
JOB NO. 218159.2
Scott C. Creer RCE 56879 CITY ENGINEER EXP. DATE 06-30-2021

SUPERVISED BY:
REGISTERED PROFESSIONAL ENGINEER HARINDER SINGLA C49717 STATE OF CALIFORNIA
SIGNATURE DATE 2-17-20

MH engineering Co.
SUBDIVISIONS - LAND PLANNING - LAND SURVEYS
16075 VINEYARD BOULEVARD MORGAN HILL, CA 95037
(408) 779-7381 FAX: (408) 226-5712

Rectangular Rapid Flashing Beacon Plan
East Main Avenue

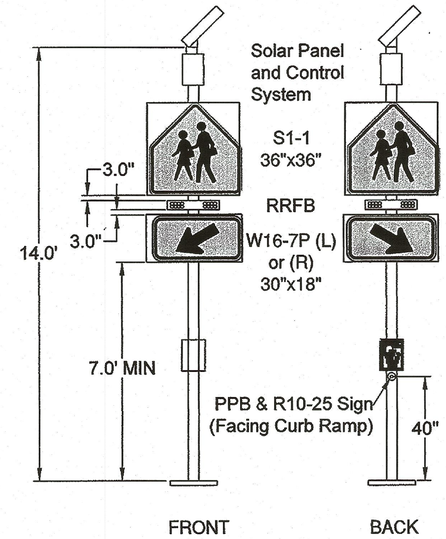
MORGAN HILL CALIFORNIA

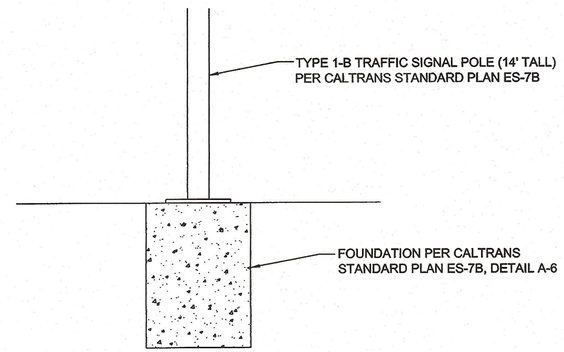
CITY FILE NO. ----
PLAN SET: 03/20
DRAWING: **FB-1**
8 of 13

Rectangular Rapid Flashing Beacon Plan
East Main Avenue

TYPICAL RECTANGULAR RAPID FLASHING BEACON (RRFB) ASSEMBLY AT EAST MAIN AVENUE AND GRAND PRIX (SINGLE SIDED)

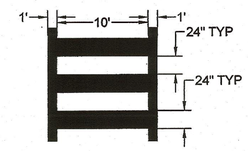
NOT TO SCALE





POLE AND FOUNDATION DETAIL FOR RRFB

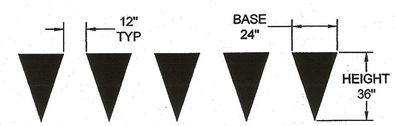
NTS



HIGH VISIBILITY CROSSWALK DETAIL

NTS

NOTE: STRIPING TO AVOID VEHICLE WHEEL TRACKS WHEN POSSIBLE



YIELD TRIANGLES DETAIL

NTS

GENERAL NOTES

1. ALL SIGN CODES ARE PER 2014 CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES UNLESS OTHERWISE NOTED ON THE PLAN
2. RRFB SHALL BE MODEL R920 SERIES FROM CARMANAH TECHNOLOGIES CORP. OR APPROVED EQUAL BY ENGINEER

ABBREVIATIONS

RRFB	RECTANGULAR RAPID FLASHING BEACON
TYP	TYPICAL
PPB	PEDESTRIAN PUSH BUTTON
NTS	NOT TO SCALE

NO.	DESCRIPTION	DATE	BY

REVISIONS

WORK ACCEPTED: BY: DATE:
INSPECTOR: DATE:

City of Morgan Hill
Public Works Department
CITY OF MORGAN HILL
17575 PEAK AVE. MORGAN HILL, CA 95037
(408) 776-6480 FAX (408) 779-7236

DRAWN: RS | DESIGN: HS | HOR. N/A
CHECKED: David Hitthum DATE: 3-17-20 | VERT.
APPROVED: J. C DATE: 3/17/20 | JOB NO. 218159.2
Scott C. Creer RCE 58879 — CITY ENGINEER EXP. DATE 06-30-2021

SUPERVISED BY: Harinder Singha 3-17-20
SIGNATURE DATE

REGISTERED PROFESSIONAL ENGINEER HARINDER SINGHA C49717 STATE OF CALIFORNIA

MH engineering Co.
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16075 VINEYARD BOULEVARD MORGAN HILL, CA 95037
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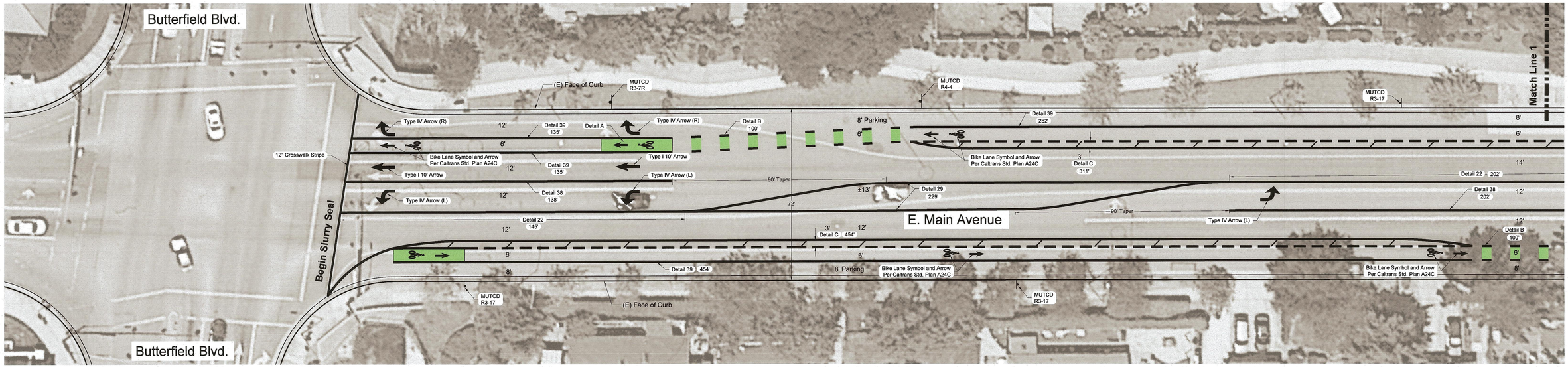
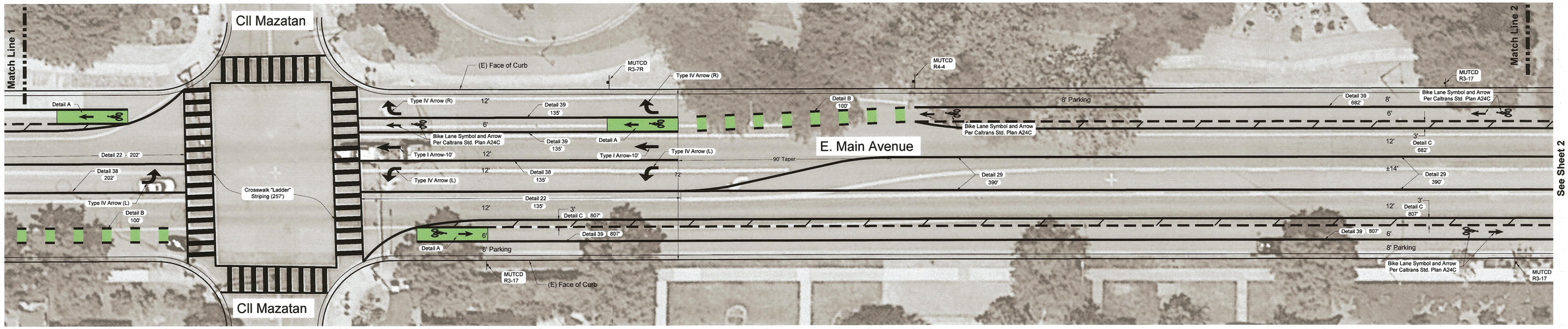
Rectangular Rapid Flashing Beacon Plan
East Main Avenue
MORGAN HILL CALIFORNIA

CITY FILE NO. ----
PLAN SET: 02/20
DRAWING: **FB-2**
9 of 13

Rectangular Rapid Flashing Beacon Plan
East Main Avenue



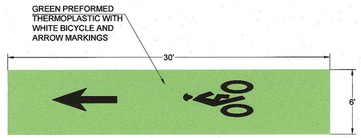


R3-17

R26 (S) (CA)

R1-5

R1-5



Detail "A"
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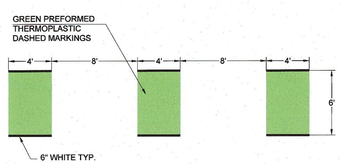

Detail "B"
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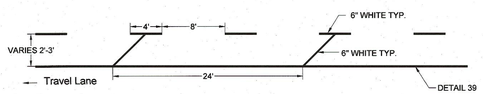

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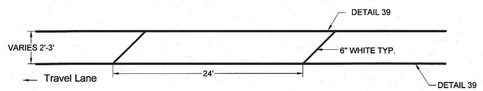


"Detail D"
N.T.S.

Slurry Seal Note:
East Main Avenue travelled way (Ep to Ep) between Butterfield Boulevard and Condit Road is proposed for Slurry Seal/C.I.R. repair prior to the application of paint for proposed striping, pavement markings and legends.

Refer to the Specifications for street surface preparation, removal of existing striping, pavement markings and legends and slurry seal application .

Note:
Traffic signal loops are necessary to be re-cut at Butterfield Boulevard & E.Main Avenue and Cll Mazatan & E. Main Avenue

NO.	DESCRIPTION	DATE	BY

REVISIONS

WORK ACCEPTED: BY: DATE:
INSPECTOR: DATE:

City of Morgan Hill
Public Works Department
CITY OF MORGAN HILL
17575 PEAK AVE. MORGAN HILL, CA 95037
(408) 776-6480 FAX (408) 779-7236

DRAWN: RS DESIGN: HS HOR. 1"=20'
CHECKED: David Hitthum DATE: 3-17-20 VERT.
APPROVED: DATE: JOB NO. 218159.2
Scott C. Creer RCE 58679 CITY ENGINEER EXP. DATE 06-30-2021

SUPERVISED BY: Harinder Singha SIGNATURE 2-17-20 DATE

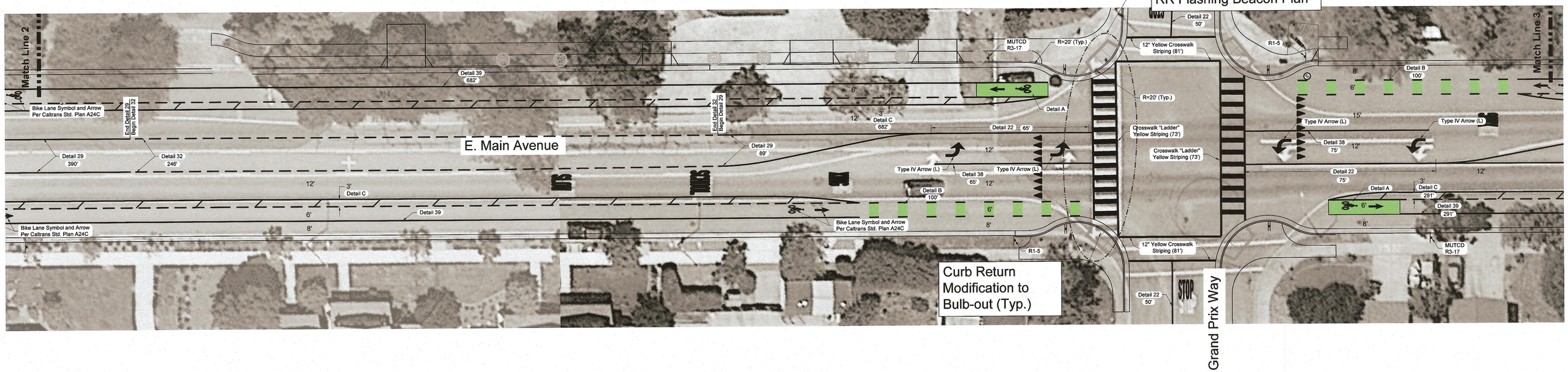
REGISTERED PROFESSIONAL ENGINEER HARINDER S. INGLA C49717 STATE OF CALIFORNIA

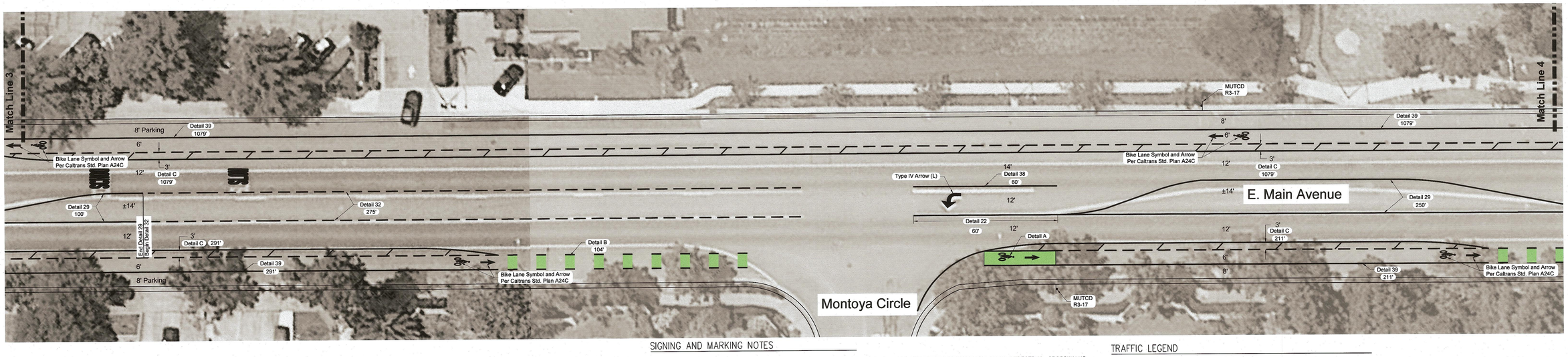
MH engineering Co.
SUBDIVISIONS - LAND PLANNING - LAND SURVEYS
16075 VINEYARD BOULEVARD MORGAN HILL, CA 95037
(408) 779-7381 FAX: (408) 226-5712

Buffered Bike Lane Improvements
East Main Avenue
MORGAN HILL CALIFORNIA

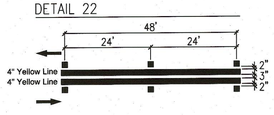
CITY FILE NO. ----
PLAN SET: 03/20
DRAWING: **STR-1**
10 of 13

Buffered Bike Lane Improvements

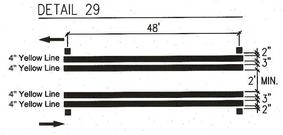




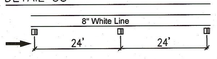
DETAIL 22



DETAIL 29

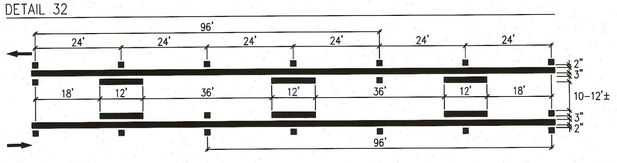


DETAIL 38

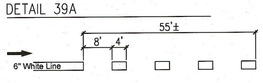


DETAIL 39

DETAIL 32



DETAIL 39A



SIGNING AND MARKING NOTES

1. SIGNING AND STRIPINING SHALL CONFORM TO THE MOST RECENT EDITION OF THE CALIFORNIA MUTCD
2. SIGNS TO BE OF STANDARD SIZE DESIGNATED FOR EACH TYPE AS SHOWN IN THE CALTRANS "APPROVED SIGN SPECIFICATION SHEETS", OR AS NOTED OTHERWISE, OR AS DIRECTED BY THE CITY TRAFFIC ENGINEER. SIGNS, POSTS AND HARDWARE SHALL CONFORM TO THE LATEST EDITION OF THE MUTCD
3. MOUNTING SHALL CONFORM TO APPROPRIATE PROVISIONS OF MUTCD, EXCEPT WHERE OTHERWISE INDICATED ON PLANS.
4. THE CONTRACTOR SHALL REMOVE ALL EXISTING PAVEMENT MARKINGS AND RAISED PAVEMENT MARKERS WHICH CONFLICT WITH THE WORK SHOWN ON THE STRIPING PLAN. REMOVAL OF PAVEMENT MARKINGS SHALL BE PERFORMED BY BEAD OR WET SANDBLASTING, OR OTHER METHOD APPROVED BY THE CITY ENGINEER.
5. ALL PAVEMENT MARKINGS INCLUDING PEDESTRIAN CROSSWALKS, LANE LINES AND TURN ARROWS SHALL BE THERMOPLASTIC. ALL PAVEMENT MARKINGS SHALL CONFORM TO CALTRANS STANDARD PLAN A24 (A–E). REFER TO LEGEND FOR ARROW TYPES. ALL PAVEMENT STRIPING SHALL CONFORM TO CALTRANS STANDARD PLAN A20 (A–D).
6. REFLECTIVE PAVEMENT MARKERS SHALL CONFORM TO SECTION 85 OF THE LATEST EDITION OF THE CALTRANS STANDARD SPECIFICATIONS. REPLACE ANY DAMAGED OR MISSING PAVEMENT MARKERS WITHIN LIMITS OF WORK.
7. REFER TO CALTRANS STANDARD PLANS, LATEST EDITION, RS1 THRU RS4, FOR TYPICAL SIGN INSTALLATION DETAILS.
8. THE EXACT LOCATION OF ALL NEW STRIPING AND PAVEMENT MARKINGS SHALL BE MARKED IN THE FIELD BY THE CONTRACTOR AND SHALL BE APPROVED BY THE CITY ENGINEER.
9. SIGN CONTRACTOR SHALL CALL TOLL FREE UNDERGROUND SERVICE ALERT (U.S.A.) @ 1.800.277.2600 A MINIMUM OF 48 HOURS PRIOR TO DIGGING POST HOLES FOR VERIFICATION OF THE LOCATION OF UNDERGROUND UTILITIES.

TRAFFIC LEGEND

R1	STREET SIGN, TYPE AS SHOWN
R1 R-1 R-10 W41, ETC.	CALTRANS STANDARD SIGN CODE/ ADOPTED MUTCD
\\\\\\	STRIPING OR PAVEMENT MARKING TO BE REMOVED BY WET SANDBLASTING
DETAIL #	CALTRANS STANDARD DETAIL

NORTH

SCALE: 1"=20'

0 10 20 30 40

NO.	DESCRIPTION	DATE	BY

REVISIONS

WORK ACCEPTED: BY: DATE:
INSPECTOR: DATE:

City of Morgan Hill
Public Works Department
CITY OF MORGAN HILL
17575 PEAK AVE. MORGAN HILL, CA 95037
(408) 776-6480 FAX (408) 779-7236

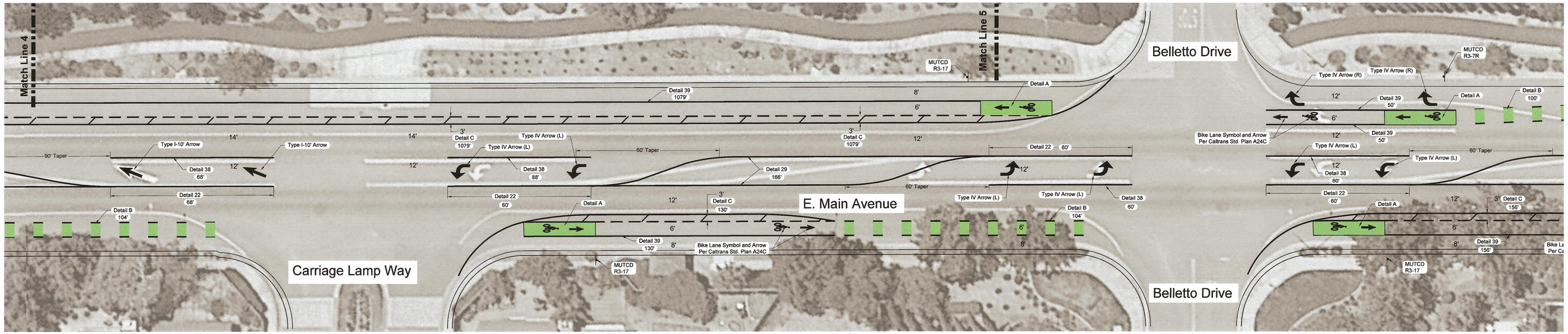
DRAWN: RS | DESIGN: HS | HOR. 1"=20' | VERT.
CHECKED: David Hitten DATE: 3-17-20
APPROVED: DATE: 3/17/20
JOB NO. 218159.2
Scott C. Creer RCE 58879 — CITY ENGINEER EXP. DATE 06-30-2021

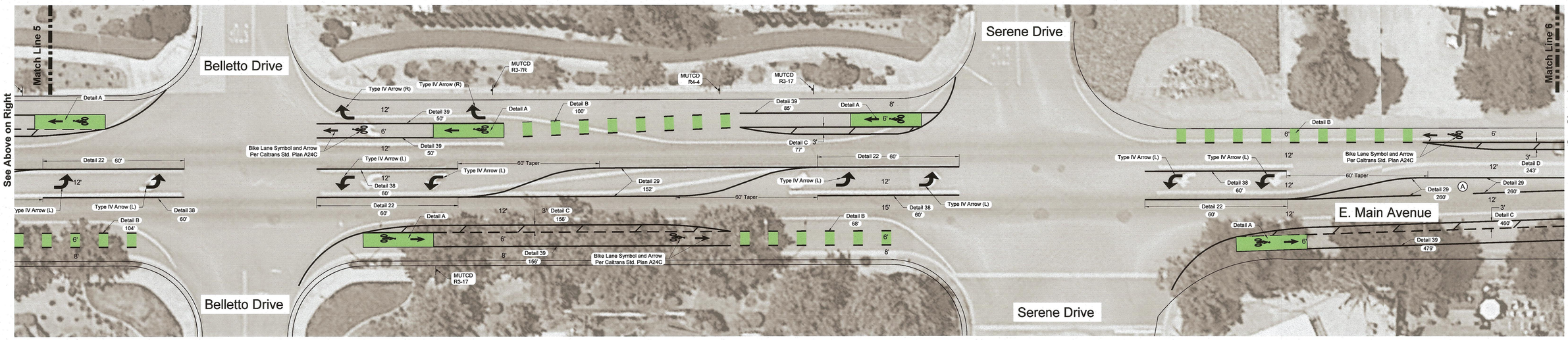
SUPERVISED BY:
REGISTERED PROFESSIONAL ENGINEER HARINDER SINGLA C49717 STATE OF CALIFORNIA
SIGNATURE 3-17-20 DATE

MH engineering Co.
SUBDIVISIONS - LAND PLANNING - LAND SURVEYS
16075 VINEYARD BOULEVARD MORGAN HILL, CA 95037
(408) 779-7381 FAX: (408) 226-5712

Buffered Bike Lane Improvements
East Main Avenue
MORGAN HILL CALIFORNIA

CITY FILE NO. ----
PLAN SET: 03/20
DRAWING: **STR-2**
11 of 13





(A) Provide 12 ft. opening in 'Detail 29' median for driveway access to property on the North side of street

SCALE: 1"=20'

0 10 20 30 40

NO.	DESCRIPTION	DATE	BY

REVISIONS

WORK ACCEPTED: INSPECTOR:

BY: DATE:

City of Morgan Hill
Public Works Department
CITY OF MORGAN HILL
17575 PEAK AVE. MORGAN HILL, CA 95037
(408) 776-6480 FAX (408) 779-7236

DRAWN: RS | DESIGN: HS | HOR. 1"=20'
CHECKED: David Hitthum DATE: 3-17-20 | VERT.
APPROVED: S.C. DATE: 3/17/20 | JOB NO. 218159.2
Scott C. Creer, RCE 58879 — CITY ENGINEER, EXP. DATE 06-30-2021

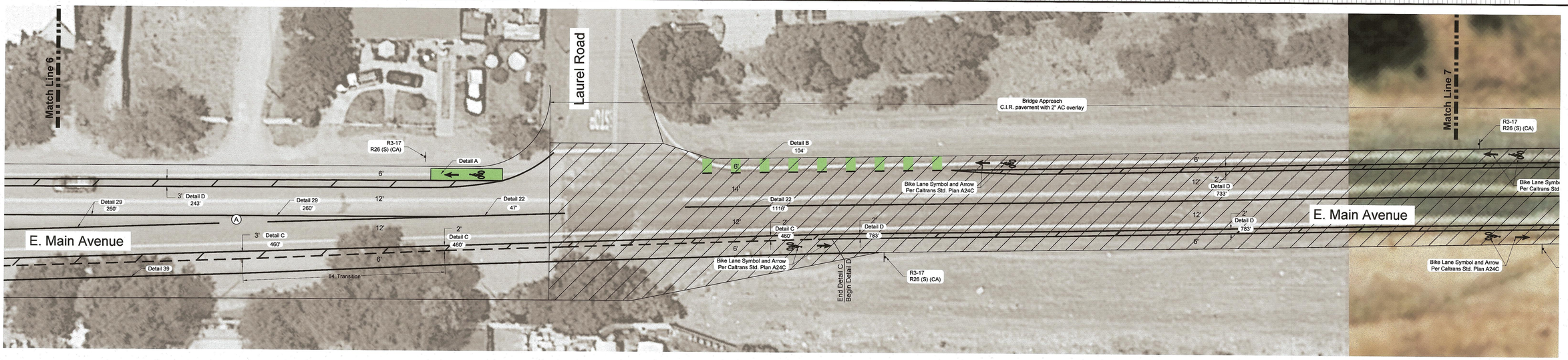
SUPERVISED BY:
REGISTERED PROFESSIONAL ENGINEER HARVINDER SINGLA C49717 STATE OF CALIFORNIA
SIGNATURE: Harvinder Singla DATE: 3-17-20

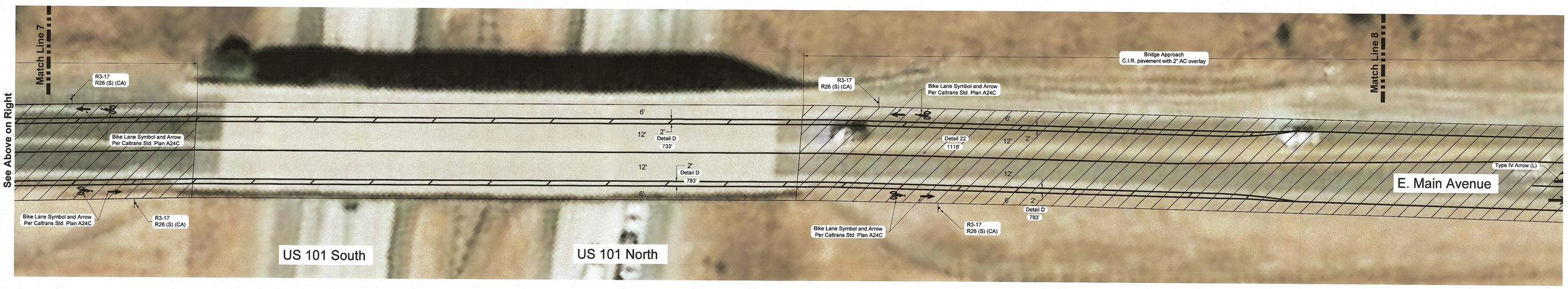
MH engineering Co.
SUBDIVISIONS - LAND PLANNING - LAND SURVEYS
16075 VINEYARD BOULEVARD MORGAN HILL, CA 95037
(408) 779-7381 FAX: (408) 226-5712

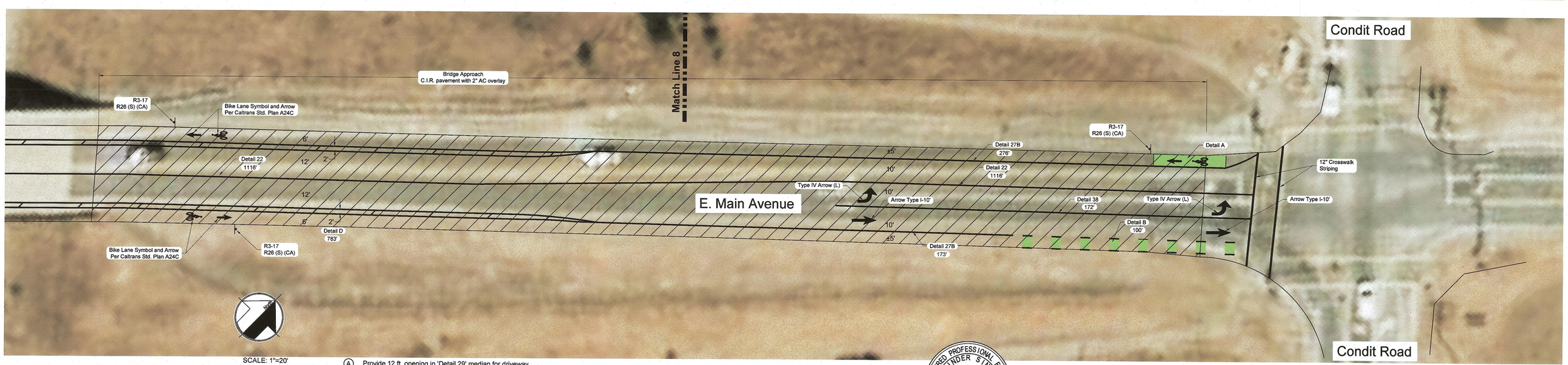
Buffered Bike Lane Improvements
East Main Avenue
MORGAN HILL CALIFORNIA

CITY FILE NO. ----
PLAN SET: 03/20
DRAWING: **STR-3**
12 of 13

Buffered Bike Lane Improvements
East Main Avenue







SCALE: 1"=20'

0 10 20 30 40

(A) Provide 12 ft. opening in 'Detail 29' median for driveway access to property on the North side of street

NO.	DESCRIPTION	DATE	BY

REVISIONS

WORK ACCEPTED: BY: DATE:
INSPECTOR: DATE:

City of Morgan Hill
Public Works Department
CITY OF MORGAN HILL
17575 PEAK AVE. MORGAN HILL, CA 95037
(408) 776-6480 FAX (408) 779-7236

DRAWN: RS
DESIGN: HS
HOR. 1"=20'
VERT.
CHECKED: David Gittins DATE: 3-17-20
APPROVED: S. C. DATE: 3/27/20
JOB NO. 218159.2
Scott C. Creer
RCE 58879
CITY ENGINEER
EXP. DATE 06-30-2021

SUPERVISED BY:
SIGNATURE
DATE 3-17-20

REGISTERED PROFESSIONAL ENGINEER
HARINDER S. INGLA
C49717
STATE OF CALIFORNIA

MH engineering Co.
SUBDIVISIONS - LAND PLANNING - LAND SURVEYS
16075 VINEYARD BOULEVARD MORGAN HILL, CA 95037
(408) 779-7381 FAX: (408) 226-5712

Buffered Bike Lane Improvements
East Main Avenue
MORGAN HILL CALIFORNIA

CITY FILE NO. ----
PLAN SET: 03/20
DRAWING: **STR-4**
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Buffered Bike Lane Improvements
East Main Avenue