

CITY OF CORCORAN

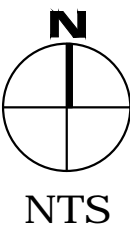
DAIRY AVENUE PEDESTRIAN SAFETY IMPROVEMENT PROJECT. CONGESTION MITIGATION AND AIR QUALITY PROGRAM (CMAQ) CML 5223(017)

GENERAL CONSTRUCTION NOTES

- EXISTING UTILITIES AND EXISTING IMPROVEMENTS MAY BE SHOWN AT APPROXIMATED LOCATIONS DUE TO THE AVAILABLE RECORD INFORMATION AT THE TIME OF PLAN PREPARATION. OTHER UTILITY LINES MAY EXIST. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITIES BY POTHOLING OR LOCATING SERVICES "811" IF FOUND NECESSARY.
- THE CONTRACTOR SHALL NOTIFY ALL CORRESPONDING UTILITY COMPANIES AND CALL "811" AT LEAST 48 HOURS BEFORE THE COMMENCEMENT OF ANY WORK WHICH MAY REQUIRE UTILITY VERIFICATION. ADDITIONALLY, THE CONTRACTOR WILL SUPPLY SOUTHERN CALIFORNIA GAS COMPANY WITH A CONSTRUCTION SCHEDULE AND NOTIFY OF ANY PRE-CONSTRUCTION MEETINGS.
- THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY OR SUBSTRUCTURE SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. NO CERTIFICATIONS IS MADE AS THE ACCURACY OR THOROUGHNESS OF THESE RECORDS. APPROVAL OF THESE PLANS BY THE CITY OF CORCORAN DOES NOT CONSTITUTE A REPRESENTATION AS THE ACCURACY OR COMPLETENESS OF LOCATION OR THE EXISTENCE OR NONEXISTENCE OF ANY UNDERGROUND UTILITY OR SUBSTRUCTURE WITHIN THE LIMITS OF THE PROJECT.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW THE FULL SET OF PLANS FOR ANY DISCREPANCIES AND OMISSIONS PRIOR TO THE COMMENCEMENT OF WORK. IF ANY DISCREPANCIES BETWEEN THESE PLANS AND THE FIELD ARE IDENTIFIED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY WORK NOT IN CONFORMANCE WITH THE PLANS OR IN CONFLICT WITH ANY CODE.
- AN APPROVED SET OF PLANS MUST BE AVAILABLE ON THE JOB SITE AT ALL TIMES.
- THE CONTRACTOR SHALL POSSESS THE CLASS (OR CLASSES) OF LICENSE AS SPECIFIED IN THE "NOTICE TO BIDDERS."
- ALL WORK SHALL BE PERFORMED IN CONFORMANCE WITH THE PROVISIONS IN THE CALTRANS STANDARD SPECIFICATIONS AND PLANS DATED 2018, ALONG WITH THE CITY OF CORCORAN STANDARD DRAWINGS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL MATERIALS, FABRICATIONS, EQUIPMENT, APPLIANCES, TRANSPORTATION, SERVICES AND LABOR NECESSARY FOR THE CONSTRUCTION, ERECTION AND INSTALLATION OF ALL WORK INDICATED ON THESE DRAWINGS AND/OR OUTLINED IN EACH SECTION OF THE SPECIFICATIONS.
- FOR THE DURATION OF THE WORK, THE CONTRACTOR SHALL PROVIDE, INSTALL AND MAINTAIN, AS MAY BE REQUIRED, ALL NECESSARY BARRICADES AND RAILINGS, LIGHTS, WARNING SIGNS AND SIGNALS, AND SHALL TAKE ALL OTHER PRECAUTIONS AS MAY BE REQUIRED TO SAFEGUARD PERSONS, THE JOB SITE AND ADJOINING PROPERTY, AGAINST INJURIES AND DAMAGE OF ANY NATURE.
- THE CONTRACTOR AND EACH SUBCONTRACTOR SHALL GIVE THEIR PERSONAL ATTENTION TO THE WORK; BE RESPONSIBLE FOR THE LAYOUT AND CORRECTNESS OF THEIR WORK AND COOPERATE WITH EACH OF THE VARIOUS TRADES TO OBTAIN A NEAT FINISHED AND WORKMANLIKE JOB.
- THE CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
- TO THE FULLEST EXTENT PERMITTED BY LAWS AND REGULATIONS, CONTRACTOR SHALL INDEMNIFY AND HOLD HARMLESS OWNER AND ENGINEER, AND THE OFFICERS, DIRECTORS, MEMBERS, PARTNERS, EMPLOYEES, AGENTS, CONSULTANTS AND SUBCONTRACTORS OF EACH AND ANY OF THEM FROM AND AGAINST ALL CLAIMS, COSTS, LOSSES, AND DAMAGES (INCLUDING BUT NOT LIMITED TO ALL FEES AND CHARGES OF ENGINEERS, ARCHITECTS, ATTORNEYS, AND OTHER PROFESSIONALS AND ALL COURT OR ARBITRATION OR OTHER DISPUTE RESOLUTION COSTS) ARISING OUT OF OR RELATING TO THE PERFORMANCE OF THE WORK, PROVIDED THAT ANY SUCH CLAIM, COST, LOSS, OR DAMAGE IS ATTRIBUTABLE TO BODILY INJURY, SICKNESS, DISEASE, OR DEATH, OR TO INJURY TO OR DESTRUCTION OF TANGIBLE PROPERTY (OTHER THAN THE WORK ITSELF), INCLUDING THE LOSS OF USE RESULTING THEREFROM BUT ONLY TO THE EXTENT CAUSED BY ANY NEGLIGENT ACT OR OMISSION OF CONTRACTOR, ANY SUBCONTRACTOR, ANY SUPPLIER, OR ANY INDIVIDUAL OR ENTITY DIRECTLY OR INDIRECTLY EMPLOYED BY ANY OF THEM TO PERFORM ANY OF THE WORK OR ANYONE FOR WHOSE ACTS ANY OF THEM MAY BE LIABLE.
- SHOULD A CONSTRUCTION SURVEY OR CONSTRUCTION STAKING BE NECESSARY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THIS SERVICE.
- DO NOT SCALE DRAWINGS. IF UNABLE TO LOCATE DIMENSIONS FOR ANY ITEM OF WORK, CONTACT THE ENGINEER FOR DIRECTION BEFORE PROCEEDING.
- ALL DAMAGE TO AREAS AND/OR PROPERTY NOT SPECIFICALLY PART OF THE PROJECT SITE CAUSED DURING CONSTRUCTION ACTIVITIES WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RETURN TO PRE-CONSTRUCTION CONDITIONS.
- CHANGES TO THE APPROVED DRAWINGS SHALL BE MADE BY ADDENDUM OR A CHANGE ORDER SIGNED BY THE ENGINEER AND APPROVED BY THE PUBLIC WORKS/ENGINEERING OFFICIALS.
- DUST AND DEBRIS CONTROL MEASURES SHALL BE IMPLEMENTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE SAN JOAQUIN VALLEY UNIFIED AIR POLLUTION CONTROL DISTRICT - DISTRICT REGULATION VIII - FUGITIVE DUST RULES.
- IN ORDER TO REDUCE NOISE IMPACTS FROM THE CONSTRUCTION PROJECT, ALL CONSTRUCTION ACTIVITIES SHALL ONLY OCCUR BETWEEN THE HOURS OF 7:00 AM AND 4:30 PM.
- THE CONTRACTOR SHALL PREPARE AND SUBMIT A TEMPORARY TRAFFIC CONTROL PLAN FOR REVIEW AND APPROVAL BY THE CITY AND THE ENGINEER PRIOR TO ANY WORK IN THE STREET RIGHT-OF-WAY. CONSTRUCTION AREA SIGNS FOR TEMPORARY TRAFFIC CONTROL SHALL BE FURNISHED, INSTALLED, MAINTAINED, AND REMOVED WHEN NO LONGER REQUIRED IN CONFORMANCE WITH THE PROVISIONS IN SECTION 12, "TEMPORARY TRAFFIC CONTROL DEVICES," OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS.



VICINITY MAP
CITY OF CORCORAN



INDEX OF PLANS

- COVER SHEET
- TOPOGRAPHICAL SURVEY & DEMOLITION PLAN
- IMPROVEMENT & DIMENSIONS PLAN
- GRADING AND DRAINAGE PLAN
- DETAILS
- SIGNING, STRIPING, & MARKING PLAN
- ELECTRICAL WIRING DIAGRAM & DETAILS
- EROSION CONTROL PLAN

BENCHMARK

PID: GT0474

HEIGHT: 199.5 FEET

DESCRIPTION: AT THE JUNCTION OF WHITLEY AND DAIRY AVENUES, 77 FEET WEST OF THE CENTER LINE OF DAIRY AVENUE, 42.8 FEET SOUTH OF THE CENTER LINE OF WHITLEY AVE, 37.8 FEET EAST OF THE EAST END OF AN IRON GATE, 9.3 FEET WEST OF A FENCE CORNER, 2.1 FEET NORTH OF A FENCE, 2.0 FEET EAST OF A WITNESS POST, ABOUT LEVEL WITH THE AVENUES, AND SET IN THE TOP OF A CONCRETE POST PROJECTED 0.2 FOOT ABOVE THE GROUND.

CONTROL POINTS

- CP1: CHISELED "X"
DESCRIPTION: LOCATED ON THE CURB ON THE EAST SIDE OF DAIRY AVENUE, APPROXIMATELY 44.6 FEET NORTH OF THE NORTH END OF THE EXISTING RAMP.
- CP2: CHISELED "X"
DESCRIPTION: LOCATED ON THE CURB ON THE EAST SIDE OF DAIRY AVENUE, APPROXIMATELY 166.5 FEET SOUTH OF THE SOUTH END OF THE EXISTING RAMP.

CITY & ENGINEER CONTACTS

PUBLIC WORKS DIRECTOR

CIVIL ENGINEER

JOSEPH FAULKNER
CITY OF CORCORAN
832 WHITLEY AVE
CORCORAN, CA 93212
(559) 992-2151 EXT. 262

ORFIL MUNIZ, PE, QSD
A&M CONSULTING ENGINEERS
204 E OAK AVENUE SUITE 5A
VISALIA, CA 93291
(559) 429-4747

PROJECT UTILITY CONTACTS

PG&E
JEFF HEIDINGER
705 "P" ST., FRESNO, CA 93760
(559) 263-7368

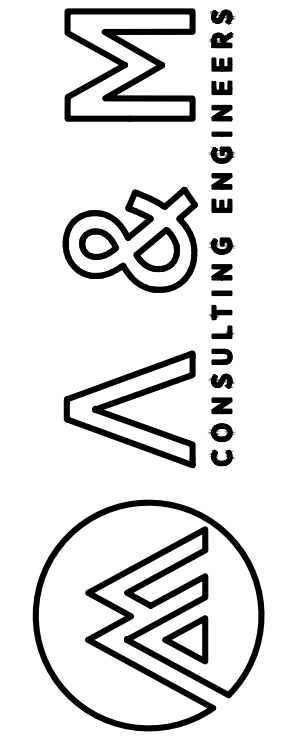
SOUTHERN CALIFORNIA GAS CO
BOB WALKER
404 N TIPTON STREET
VISALIA, CA 93292
(818) 701-2552

CITY OF CORCORAN WATER AND
WASTEWATER
JOSEPH FAULKNER
832 WHITLEY AVE
CORCORAN, CA 93212
(559) 992-2151 EXT. 262

FRONTIER COMMUNICATION
SOCRATES LUNA
1359 "G" STREET, REEDLEY, CA 93654
(559) 637-0666



Know what's below.
Call 811 before you dig.



ENGINEERING PLANS FOR:
CITY OF CORCORAN
PEDESTRIAN CROSSWALK IMPROVEMENTS
CML 5223(017)
SHEET TITLE:
COVER SHEET

REVISIONS

NO.

SCALE: AS SHOWN
JOB NO: 219_005
DATE: 5/23/2019
QA/QC: JA
FILE: 219_005_COVER.DWG



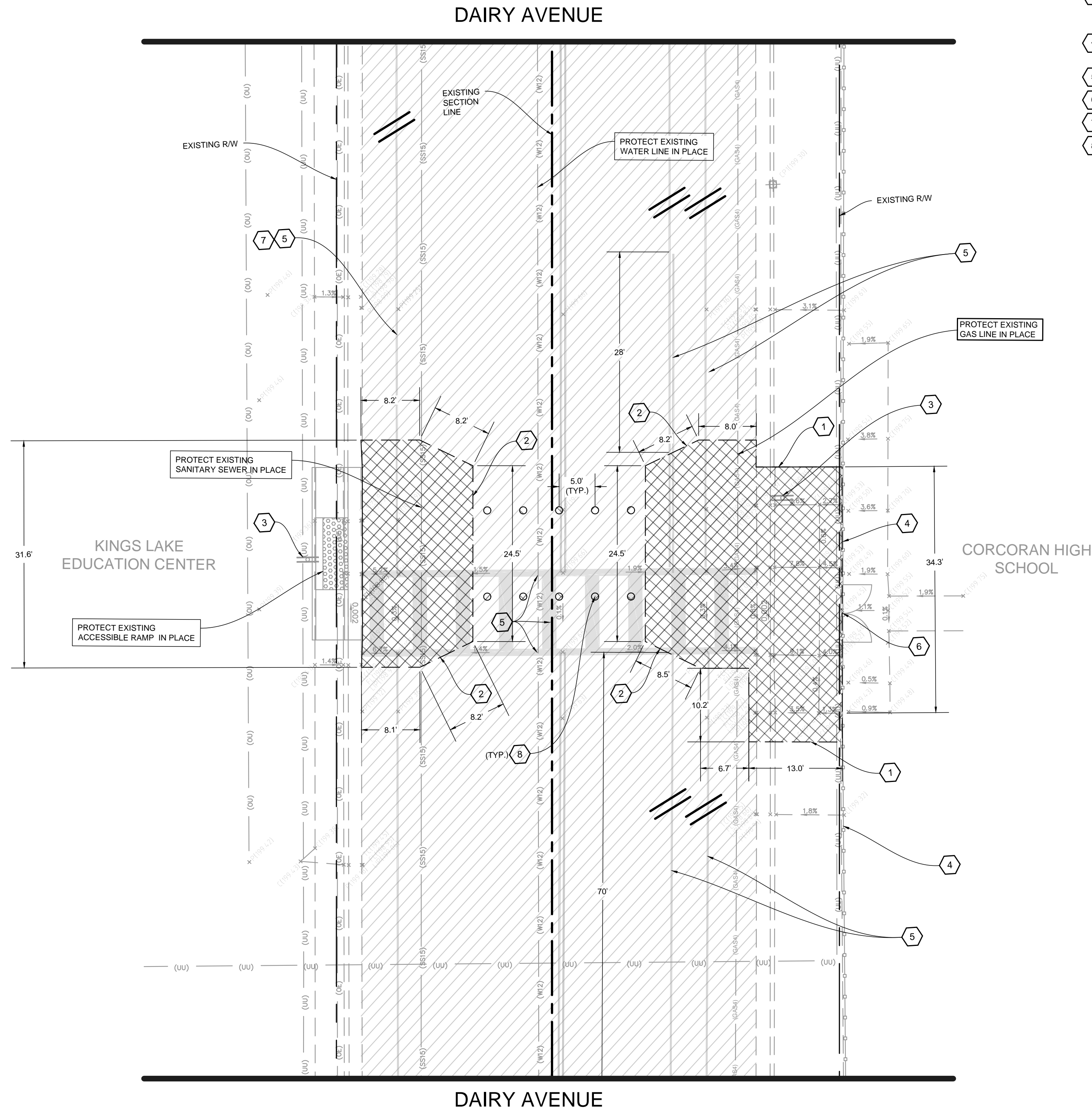
SHEET NO.

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LEGEND

- EXISTING PAVEMENT
- DEMO AREA - REMOVE AND DISPOSE OF ALL EXISTING SURFACES AND VEGETATION.
- EXISTING STRIPING OR MARKING TO BE REMOVED BY SANDING OR WATER BLASTING.
- SAWCUT LINE
- EXISTING OVERHEAD COMMUNICATIONS UTILITY LINE
- EXISTING UNDERGROUND COMMUNICATIONS UTILITY LINE
- EXISTING WATER SERVICE LINE
- EXISTING SANITARY SEWER LINE
- EXISTING 4" SERVICE GAS LINE

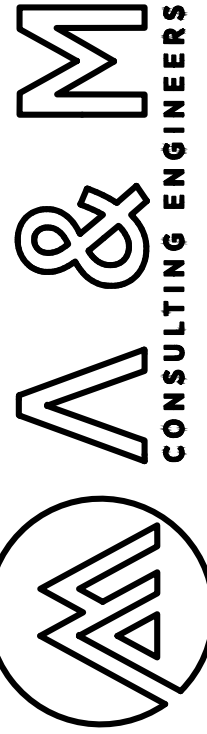
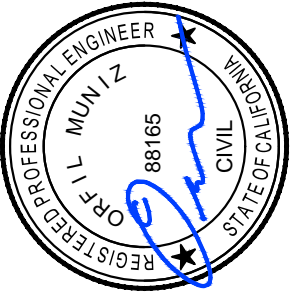
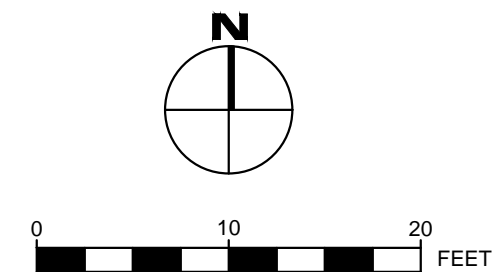


CONTRACTOR NOTES

- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PRESERVE ALL SURVEY MONUMENTS. ANY MONUMENT DISTURBED DURING CONSTRUCTION SHALL BE PERPETUATED PER THE PROFESSIONAL LAND SURVEYOR'S ACT, BUSINESS AND PROFESSIONS CODE 8771, AT THE CONTRACTOR'S EXPENSE.
- LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATED. CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITIES BEFORE COMMENCEMENT OF WORK.

DEMOLITION NOTES

- SAWCUT EXISTING CONCRETE TO A NEAT CLEAN EDGE LINE
- SAWCUT EXISTING PAVEMENT TO A NEAT CLEAN EDGE LINE
- EXISTING SOLAR FLASHING LED SIGN TO BE REMOVED AND RELOCATED AS SHOWN ON SHEET 3. EXISTING LED SIGN FOUNDATION TO BE ABANDONED IN PLACE WITH EXISTING SIDEWALK CONCRETE TO BE REPAIRED TO A FLAT NEAT CLEAN SURFACE.
- EXISTING CHAIN LINK FENCE TO BE PROTECTED IN PLACE.
- EXISTING STRIPING OR MARKING TO BE REMOVED BY SANDING OR WATER BLASTING.
- EXISTING 8' WIDE CHAIN LINK FENCE TO BE RELOCATED, SEE SHEET 3 FOR LOCATION
- EXISTING BIKE LANE TO BE REMOVED ALL THE WAY TO THE INTERSECTION OF DAIRY AND WHITLEY AVE
- CORE DRILL HOLE. SEE SHEET 5 FOR IN-ROADWAY WARNING LIGHT (IRWL) INSTALLATION

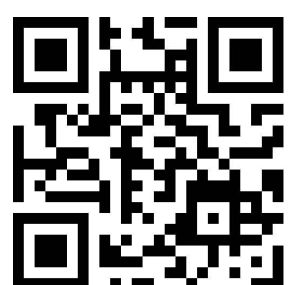


ENGINEERING PLANS FOR:
CITY OF CORCORAN
PEDESTRIAN CROSSWALK IMPROVEMENTS
CML 5223(017)
SHEET TITLE:
TOPOGRAPHICAL SURVEY & DEMOLITION PLAN

REVISIONS

NO.

SCALE: 1" = 10'
JOB NO: 219_005
QA/QC: JA
FILE: 219_005_TOPO & DEMO.DWG
DATE: 5/23/2019



SHEET NO.

2

OF 8



CONTRACTOR NOTES

- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PRESERVE ALL SURVEY MONUMENTS. ANY MONUMENT DISTURBED DURING CONSTRUCTION SHALL BE PERPETUATED PER THE PROFESSIONAL LAND SURVEYOR'S ACT, BUSINESS AND PROFESSIONS CODE 8771, AT THE CONTRACTORS EXPENSE.
- LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATED. CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITIES BEFORE COMMENCEMENT OF WORK.

SIDEWALK AND RAMP NOTES

- MAXIMUM SLOPES OF ADJOINING GUTTERS, THE ROAD SURFACE IMMEDIATELY ADJACENT TO THE CURB RAMP OR ACCESSIBLE ROUTE SHALL NOT EXCEED 5% WITHIN 4' OF THE BOTTOM OF THE CURB RAMP.
- NO CROSS SLOPE IN THE PATH OF TRAVEL TO EXCEED 1.5%.
- SIDEWALKS AND RAMPS SHALL BE STEEL TOWELED AND HAVE A LIGHT BROOM FINISH UNLESS OTHERWISE NOTED. RAMPS SHALL HAVE A HEAVY BROOM FINISH ACROSS THE SLOPE OF THE RAMP.
- SIDEWALKS AND RAMPS SHALL HAVE WEAKEN PLANE JOINTS CONSTRUCTED WHERE SHOWN IN THESE IMPROVEMENT PLANS. WEAKENED PLANE JOINTS SHALL BE A MINIMUM OF 1 INCH IN DEPTH AND SHALL BE FINISHED WITH A SCORING TOOL LEAVING THE EDGES ROUNDED.
- SIDEWALKS AND RAMPS SHALL BE PLACED ON 6 INCH MOIST AND COMPACTED BASE MATERIALS. 90% RELATIVE COMPACTION UNDER SIDEWALKS. 95 PERCENT RELATIVE COMPACTION UNDER RAMPS AND SIDEWALKS.

GENERAL CONCRETE NOTES

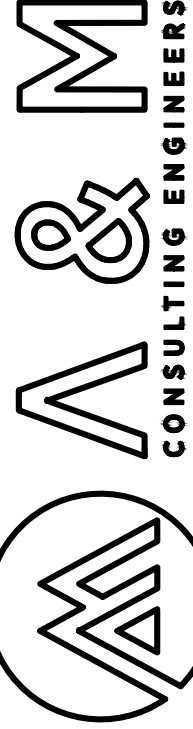
- ALL CONCRETE SHALL BE CLASS 3 CONCRETE UNLESS OTHERWISE SPECIFIED.
- CLASS 3 CONCRETE SHALL CONTAIN NOT LESS THAN 505 POUNDS OF PORTLAND CEMENT PER CUBIC YARD WITH 1 IN AGGREGATE. 5 INCH MAXIMUM SLUMP. 2500 P.S.I. AT 28 DAYS.
- WHEN MAXIMUM DAYTIME TEMPERATURE EXCEEDS 50° F. ALL NEWLY PLACED CONCRETE SHALL BE SPRAYED UNIFORMLY WITH A CURING COMPOUND. CURING COMPOUND SHALL BE APPLIED AT A NOMINAL RATE OF ONE GALLON PER 150 SQUARE FEET. UNLESS OTHERWISE SPECIFIED.
- ALL WORK CONSTRUCTED BY THESE PLANS SHALL BE IN COMPLIANCE WITH ALL CURRENT ADA REGULATIONS.

CONSTRUCTION NOTES

- RELOCATE EXISTING TAPCO FLASHING SOLAR LED SIGN (SN: J-528763-1601). (SKU: C-DBB-1ABFPBWNNA). SEE SHEET 5 FOR DETAILS
- INSTALL 3" DEEP BY 10 WIDE DETECTABLE WARNING SURFACE (RAISED TRUNCATED DOMES)
- CONSTRUCT NEW ACCESSIBLE RAMP SEE SHEET 4 FOR DETAILS
- CONSTRUCT PAVEMENT PATCH PER DETAIL 1 ON SHEET 5
- INSTALL 4" THICK STAMPED CONCRETE SURFACE WITH "BRICK" PATTERN. COLOR SHALL BE "BRICK RED". A LIQUID RELEASE AGENT SHALL BE USED. A CURE AND SEAL PRODUCT SHALL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS IMMEDIATELY AFTER COMPLETING THE IMPRINTING PROCESS. GRADE TO ACCOMMODATE DRAINAGE (2% MIN.) STAMPED CONCRETE SHALL BE PLACED ON 6" MOIST AND COMPACTED NATIVE SOIL. 90% RELATIVE COMPACTION.
- INSTALL WEAKENED PLANE JOINT.
- INSTALL WIRELESS SOLAR LED IN-ROAD WARNING LIGHTS (TYP. OF 6) PER MANUFACTURER'S RECOMMENDATIONS.
- RELOCATED EXISTING 8' WIDE CHAIN LINK FENCE GATE.
- INSTALL WEAKENED PLANE JOINT AROUND RAMP PERIMETER TYPICAL.
- HEAVY BROOM FINISH ACROSS SLOPE OF RAMPS TYPICAL.
- CONSTRUCT BULB-OUT CURB PER DETAIL 1, THIS SHEET.
- ALIGN IRWL AS SHOWN ON SHEET 6 FOR EACH TRAVEL LANE DIRECTION

LEGEND

- PROPOSED PAVEMENT PATCH, SEE DETAIL 1 ON SHEET 5
- PROPOSED RED STAMPED CONCRETE BRICKS
- PROPOSED 0.3" THICK CONCRETE
- EXISTING PAVEMENT



ENGINEERING PLANS FOR:
CITY OF CORCORAN
PEDESTRIAN CROSSWALK IMPROVEMENTS
CML 5223(017)
SHEET TITLE:
IMPROVEMENT & DIMENSIONS PLAN

REVISIONS

NO.

SCALE: 1" = 10'
JOB NO: 219_005
QA/QC: JA
FILE: 219_005_IMPR.DWG
DATE: 5/23/2019

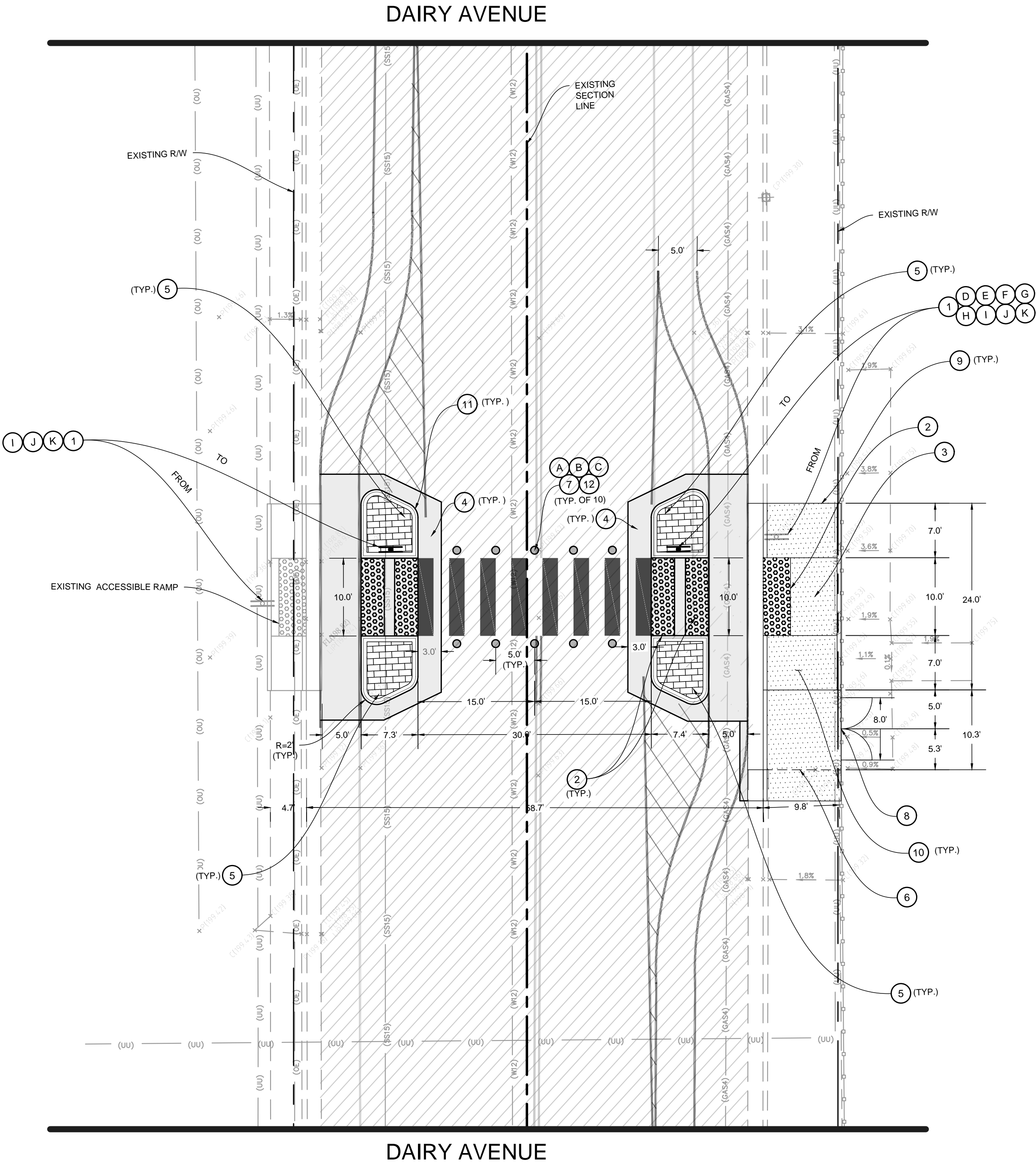
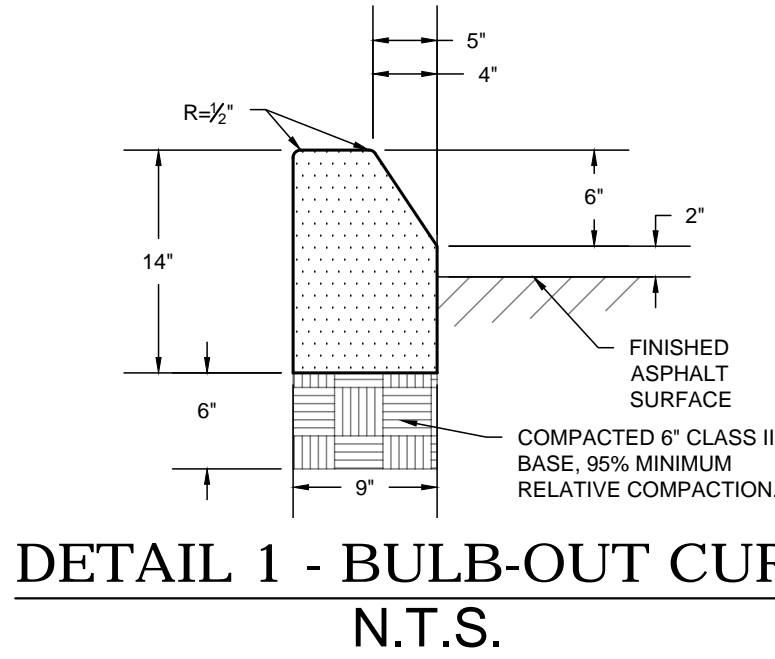


SHEET NO.

3

OF 8

LIGHTING ASSEMBLY MATERIAL LIST (FOR REFERENCE ONLY)			
CALLOUT	DESCRIPTION	UNIT	ESTIMATED QUANTITY
(A)	IN-ROADWAY WARNING LIGHT (IRWL), 5 LIGHTS 5FT OF SPACING, UNIDIRECTIONAL AMBER, 50 FEET LEAD, LEFT	EA	1
(B)	IN-ROADWAY WARNING LIGHT (IRWL), 5 LIGHTS 5 FEET OF SPACING, UNIDIRECTIONAL AMBER, 50 FEET LEAD, READ	EA	1
(C)	EPOXY FOR IN-ROADWAY WARNING LIGHT (IRWL) STUDS	EA	10
(D)	CONTROLLER, IRWL, 12V, PROSTAR (OR EQUIVALENT)	EA	1
(E)	120625, RADIO HOLLOW, RELAY-DRIVEN IRWL CONTROLLOER (OR EQUIVALENT)	EA	1
(F)	CABINET BRACKET SET, FITS ROUND POLES 2-3/8 & UP, WITH STANDARD HARDWARE & SNAP LOCKS FOR 120625. (OR EQUIVALENT)	EA	1
(G)	85W/12V SOLAR PANEL PACKAGE, TOP OF POLE MOUNT 4.5" DIAMETER.	EA	1
(H)	BATTERY 35AH, 12V AGM LEAD ACID, (OR EQUIVALENT)	EA	3
(I)	WIRE 2C 18AWG 16TC 2464 (OR EQUIVALENT)	FT	250
(J)	1000 FEET SPOOL 300V CM BRN/BLU	FT	1000
(K)	BLINKER ON SITE	EA	1



LEGEND

- PROPOSED PAVEMENT PATCH, SEE DETAIL 1 ON SHEET 5
- PROPOSED RED STAMPED CONCRETE BRICKS
- PROPOSED 0.30" THICK CONCRETE
- EXISTING PAVEMENT

BENCHMARK

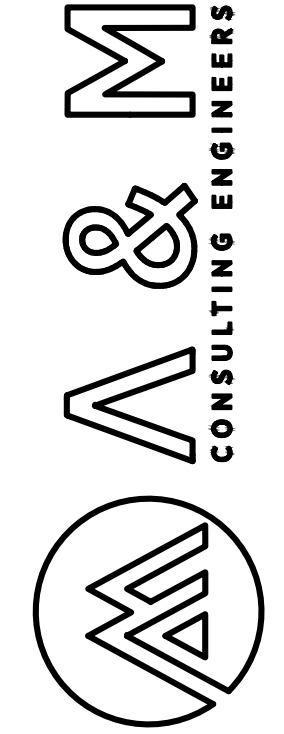
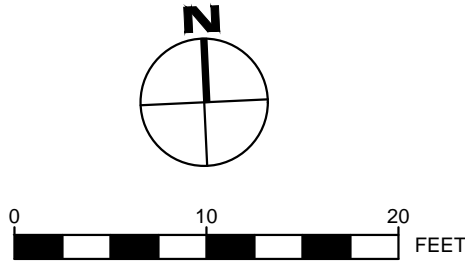
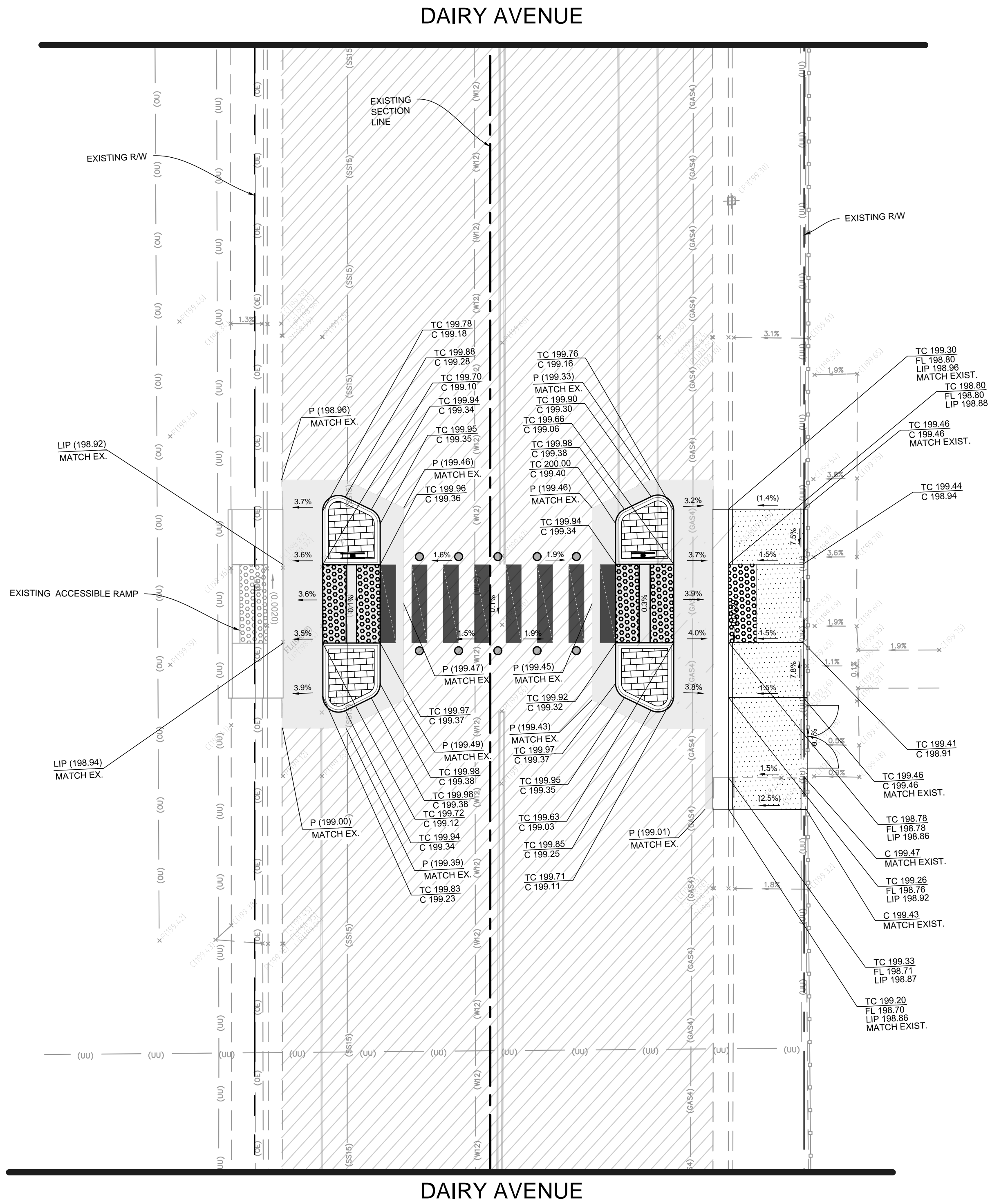
PID: GT0474
HEIGHT: 199.5 FEET
DESCRIPTION: AT THE JUNCTION OF WHITLEY AND DAIRY AVENUES, 77 FEET WEST OF THE CENTER LINE OF DAIRY AVENUE, 42.8 FEET SOUTH OF THE CENTER LINE OF WHITLEY AVE, 37.8 FEET EAST OF THE EAST END OF AN IRON GATE, 9.3 FEET WEST OF A FENCE CORNER, 2.1 FEET NORTH OF A FENCE, 2.0 FEET EAST OF A WITNESS POST, ABOUT LEVEL WITH THE AVENUES, AND SET IN THE TOP OF A CONCRETE POST PROJECTED 0.2 FOOT ABOVE THE GROUND.

CONTROL POINTS

CP1: CHISELED "X"
DESCRIPTION: LOCATED ON THE CURB ON THE EAST SIDE OF DAIRY AVENUE, APPROXIMATELY 44.6 FEET NORTH OF THE NORTH END OF THE EXISTING RAMP.
CP2: CHISELED "X"
DESCRIPTION: LOCATED ON THE CURB ON THE EAST SIDE OF DAIRY AVENUE, APPROXIMATELY 166.5 FEET SOUTH OF THE SOUTH END OF THE EXISTING RAMP.

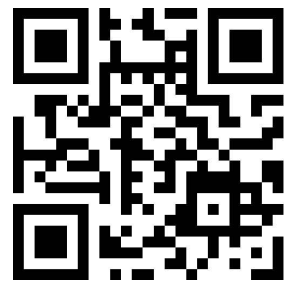
CONTRACTOR NOTES

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- NO CROSS SLOPE IN THE PATH OF TRAVEL TO EXCEED 1.5%

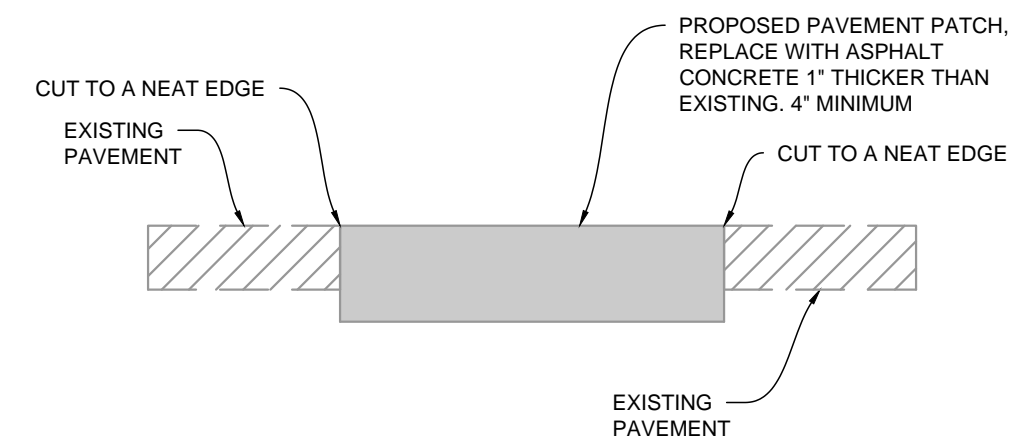


ENGINEERING PLANS FOR:
CITY OF CORCORAN
PEDESTRIAN CROSSWALK IMPROVEMENTS
CML 5223(017)
SHEET TITLE:
GRADING AND DRAINAGE PLAN

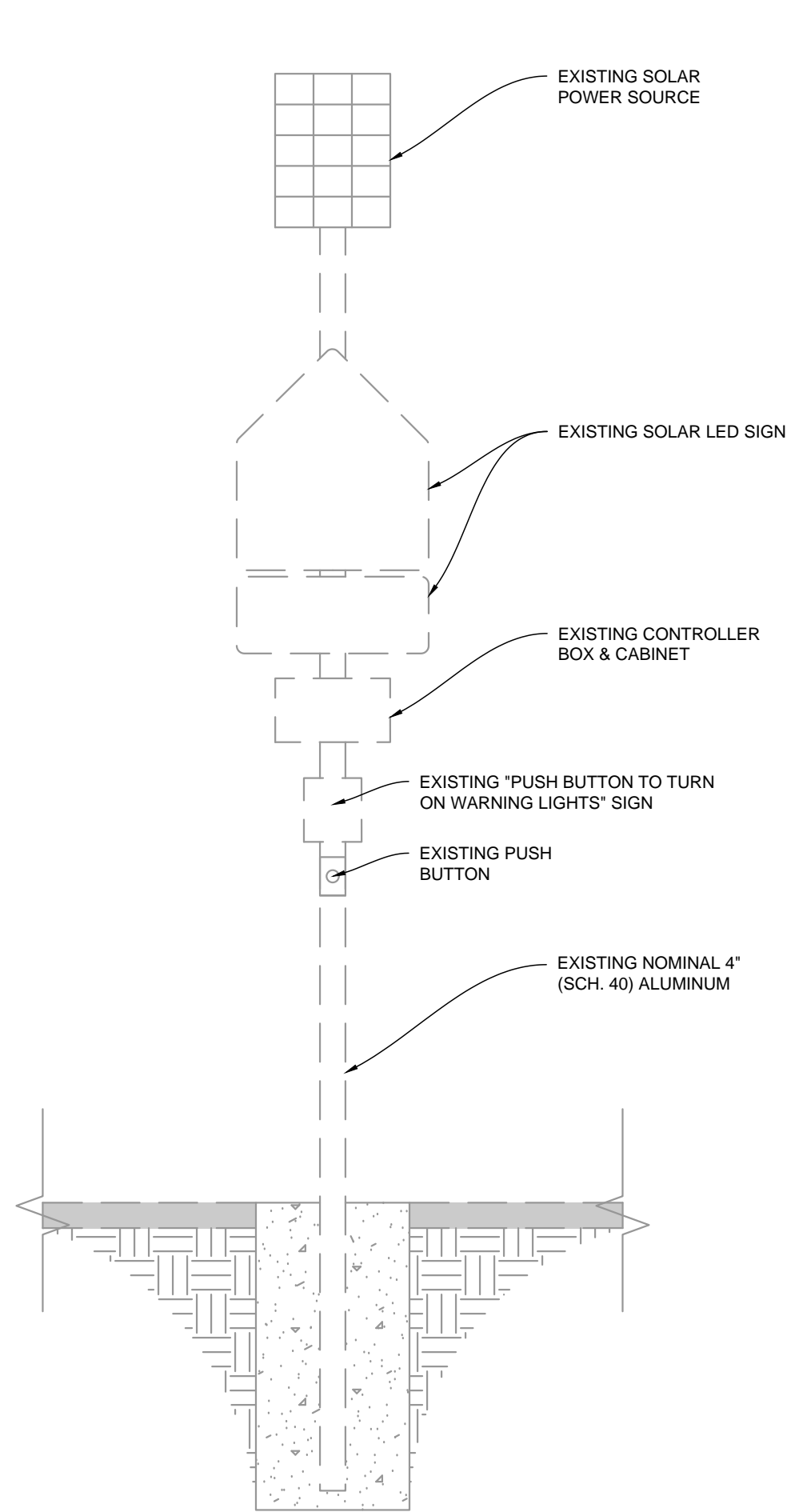
REVISIONS		NO.	
SCALE:	1" = 10'		
JOB NO:	219_005	JA	
QA/QC:	JA		
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DATE:	5/23/2019		



SHEET NO.

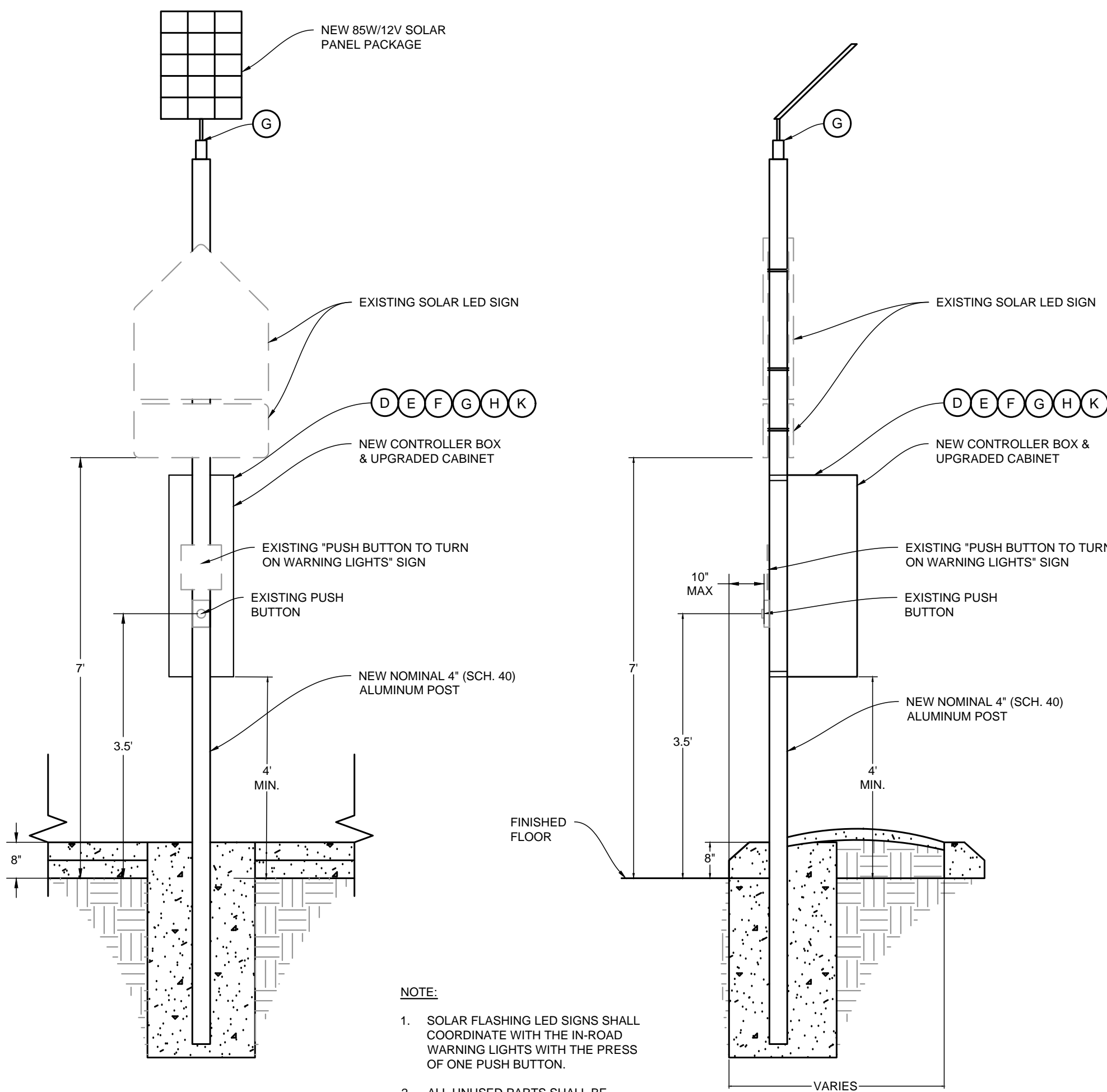


DETAIL 1
PAVEMENT SECTION PATCH
(N.T.S.)



TYPICAL EXISTING SOLAR FLASHING SIGN
(N.T.S.)

LIGHTING ASSEMBLY MATERIAL LIST (FOR REFERENCE ONLY)			
CALLOUT	DESCRIPTION	UNIT	ESTIMATED QUANTITY
A	IN-ROADWAY WARNING LIGHT (IRWL), 5 LIGHTS 5FT OF SPACING, UNIDIRECTIONAL AMBER, 50 FEET LEAD, LEFT	EA	1
B	IN-ROADWAY WARNING LIGHT (IRWL), 5 LIGHTS 5 FEET OF SPACING, UNIDIRECTIONAL AMBER, 50 FEET LEAD, READ	EA	1
C	EPOXY FOR IN-ROADWAY WARNING LIGHT (IRWL) STUDS	EA	10
D	CONTROLLER, IRWL, 12V, PROSTAR (OR EQUIVALENT)	EA	1
E	120625, RADIO HOLLOW, RELAY-DRIVEN IRWL CONTROLLOER (OR EQUIVALENT)	EA	1
F	CABINET BRACKET SET, FITS ROUND POLES 2-3/8\" & UP, WITH STANDARD HARDWARE & SNAP LOCKS FOR 120625, (OR EQUIVALENT)	EA	1
G	85W/12V SOLAR PANEL PACKAGE, TOP OF POLE MOUNT 4.5\" DIAMETER.	EA	1
H	BATTERY 35AH, 12V AGM LEAD ACID, (OR EQUIVALENT)	EA	3
I	WIRE 2C 18AWG 16TC 2464 (OR EQUIVALENT)	FT	250
J	1000 FEET SPOOL 300V CM BRN/BLU	FT	1000
K	BLINKER ON SITE	EA	1



- NOTE:
- SOLAR FLASHING LED SIGNS SHALL COORDINATE WITH THE IN-ROAD WARNING LIGHTS WITH THE PRESS OF ONE PUSH BUTTON.
 - ALL UNUSED PARTS SHALL BE DELIVERED TO THE CITY OF CORCORAN.

PROPOSED SOLAR FLASHING SIGN W/ CONTROLLER
BOX INSTALLATION LAYOUT (PROFILE VIEW)
(N.T.S.)

SR-45P

Hardwired Road Stud with Power Led's

- KEY FEATURES**
- Suitable for regular traffic areas of heavy vehicles
 - High mechanical resistance: 120 Tons
 - Ready for snow plough machines
 - Robust construction, suitable for harsh conditions
 - Flaring from rear surface of 6.7mm
 - High power led with 18 each
 - High visibility due to power led's even in adverse weather conditions
 - It allows drivers a higher reaction time due to the lighting range
 - High brightness during day and night
 - Possibility of connection of 8 elements
 - Possibility of different color LEDs per window
 - Easy maintenance

MODES OF OPERATION

- Always On
Power modes of operation like flashing or sequential are available with external controller

LEPT CONFIGURATION

- Unidirectional

ELECTRICAL FEATURES

- Power Supply: 24V DC
Current Consumption: 200 mA
Power Cable: 18/3 (11/11/11) 18/3 (3/3/3) 18/3 (3/3/3)

MECHANICAL FEATURES

- Material: Aluminum
Top Part: Hard anodized stainless steel
Lamp: High power LED with 18 each

OPTICAL FEATURES

- Led Quantity: 4 Led's
Led Type: Power Led
Led Color: White, Warm White, Red, Amber, Green, Blue

INSTALLATION

- Flaring height: 120 mm
Flaring diameter: 120 mm

PACKAGING

- Box Dimensions: 120 x 120 x 120 mm
Box Weight: 1.2 kg

SR-45P

SR-45P ROAD STUD

- Dimensions (mm): 120 x 120 x 120

SR-45P INSTALLATION ACCESSORY

- Accessories: 120 x 120 x 120

SR-45P

SR-45P

- PERFORMANCE CHARACTERISTICS**
- Power Supply: 24V DC
Current Consumption: 200 mA
Power Cable: 18/3 (11/11/11) 18/3 (3/3/3) 18/3 (3/3/3)

MECHANICAL FEATURES

- Material: Aluminum
Top Part: Hard anodized stainless steel
Lamp: High power LED with 18 each

OPTICAL FEATURES

- Led Quantity: 4 Led's
Led Type: Power Led
Led Color: White, Warm White, Red, Amber, Green, Blue

INSTALLATION

- Flaring height: 120 mm
Flaring diameter: 120 mm

PACKAGING

- Box Dimensions: 120 x 120 x 120 mm
Box Weight: 1.2 kg

GENERAL HARDWIRED ROAD STUD WITH POWER LED DETAILS (N.T.S.)

- Installation Process:
1. To fix the installation Personal Protective Equipment must be worn during all phases.
 2. After deciding the location where the stud will be installed, drill a hole having a minimum diameter of 120 mm and 120 mm deep.
 3. Using a hole saw, open a connection between the hole with 15mm width and 60mm depth.
 4. Crush any debris or dust from the hole resulting from drilling.
 5. Use the hole with a blowtorch to remove any moisture that may compromise the adhesion and effectiveness of the glue.
 6. Apply in each installed that will be installed the SR-45P. Installation accessory. The accessory will help to align a keep the stud fixed in place during the glue drying time. This accessory will be removed at the end of the installation.
 7. Four 250g of glue **Shodor 45P** on the hole and insert the stud checking that the led's are correctly aligned.
 8. The glue drying time may change depending on weather conditions. Consult the glue data sheet for more information.
 9. After the glue has dried, the top part of the SR-45P accessory should be broken and removed.

PC500

Programmable Controller

- KEY FEATURES**
- Microcontroller based technology
 - Ability to select multiple modes of operation
 - Adaptive controller to numerous applications
 - Configuration via LCD display and navigation buttons
 - Over voltage protection and short circuit
 - High diversity of communication protocols
 - Digital outputs with high voltage isolation, available in 24V, 12V or 5V
 - Digital inputs with high voltage isolation, driven by voltage or dry contact

OPTIONAL FEATURES

- Multiple inputs and outputs available:
- 6 power/open outputs (dependable up to 12)
 - 2 analog inputs
 - 4 digital inputs
 - 1 analog input for light sensor
 - Real time clock and calendar - RTCC
 - Ability to schedule different configurations
 - Communication protocols: RS232, RS485, RS485, USB, SPI, Ethernet
 - Configuration Software
 - Low Power 485/RS485 Modem Module

MODES OF OPERATION

- Always On, Flashing and Sequential

- Power modes of operation like flashing or sequential are available on request

ELECTRICAL FEATURES

- Power Supply: 12V DC, 24V DC, 5V DC

- Current Consumption: 10 mA, 30 mA, 50 mA

- Power Cable: 18/3 (11/11/11) 18/3 (3/3/3) 18/3 (3/3/3)

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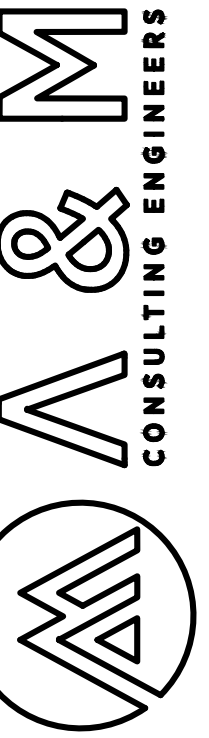
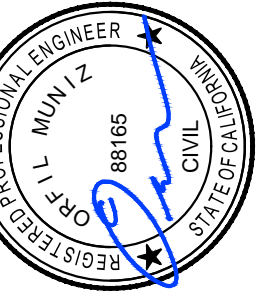
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GENERAL PROGRAMMABLE
CONTROLLER DETAILS
(N.T.S.)

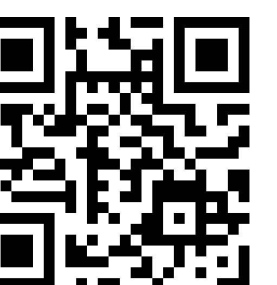


ENGINEERING PLANS FOR:
CITY OF CORCORAN
PEDESTRIAN CROSSWALK IMPROVEMENTS
CML 5223(017)
SHEET TITLE: DETAILS

REVISIONS

NO.

AS SHOWN
JOB NO: 219_005
DATE: 5/23/2019
JOB NO: 219_005
DATE: 5/23/2019



SHEET NO.

5

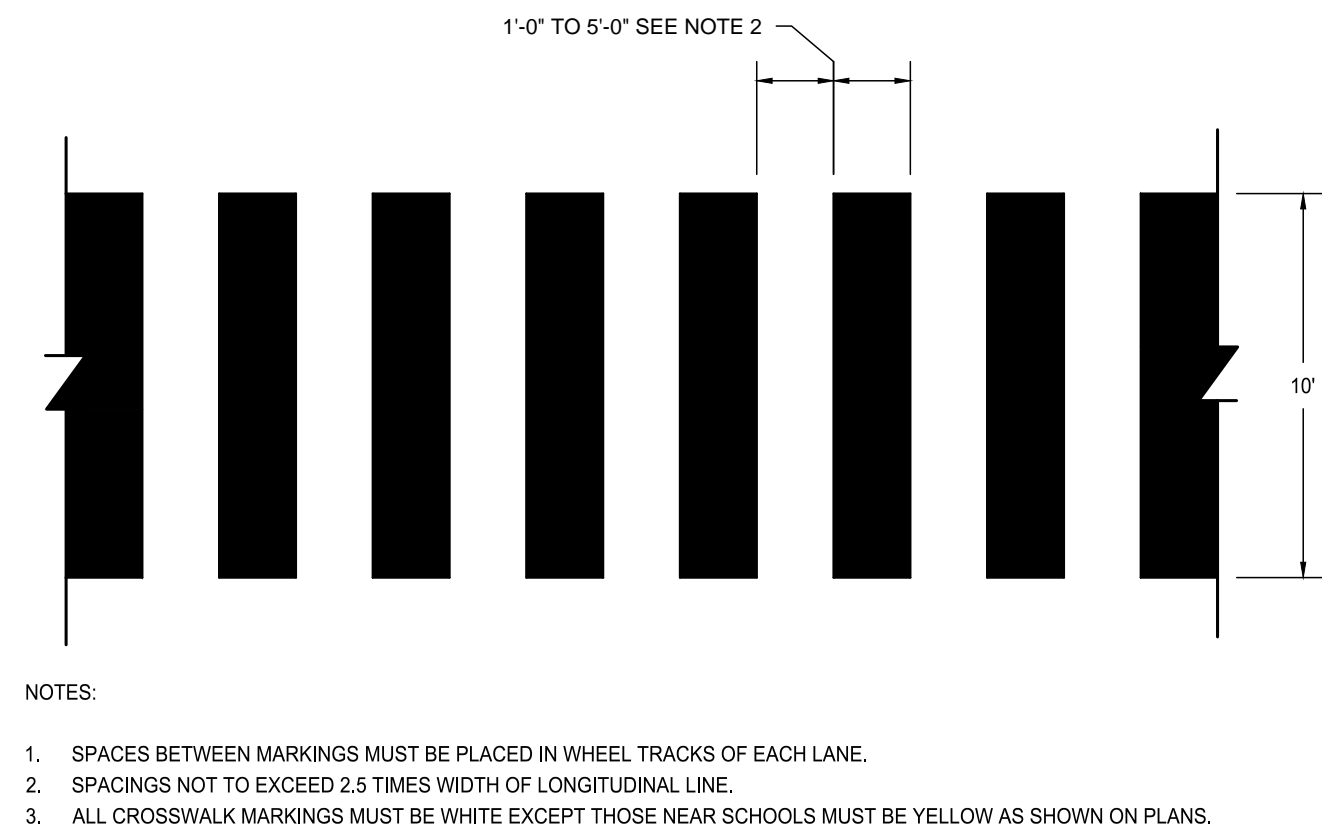
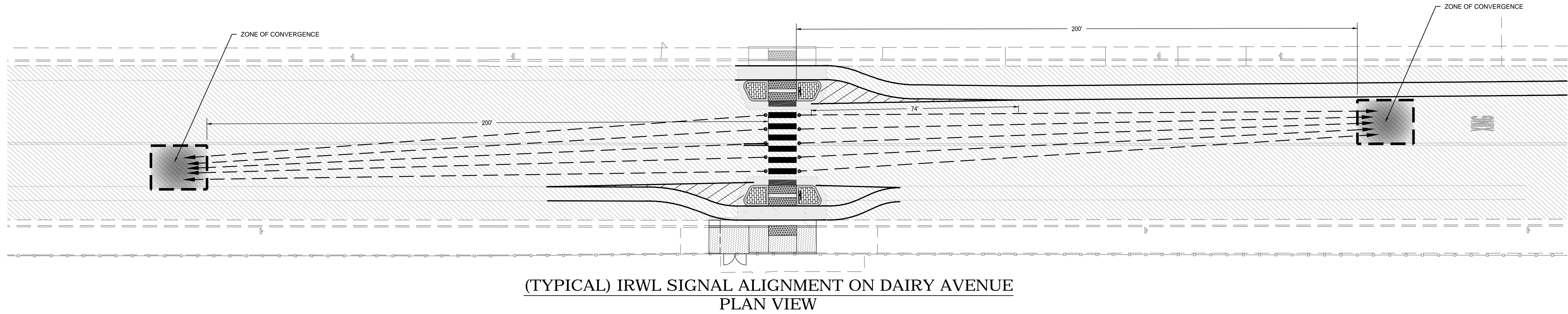
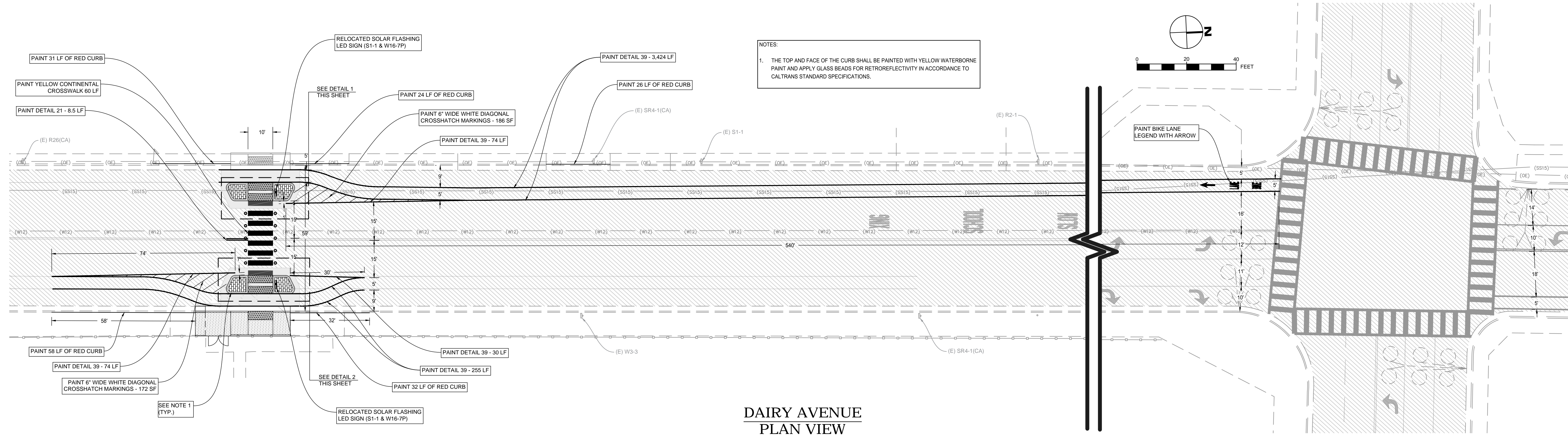
OF 8

CONTRACTOR STRIPING NOTES

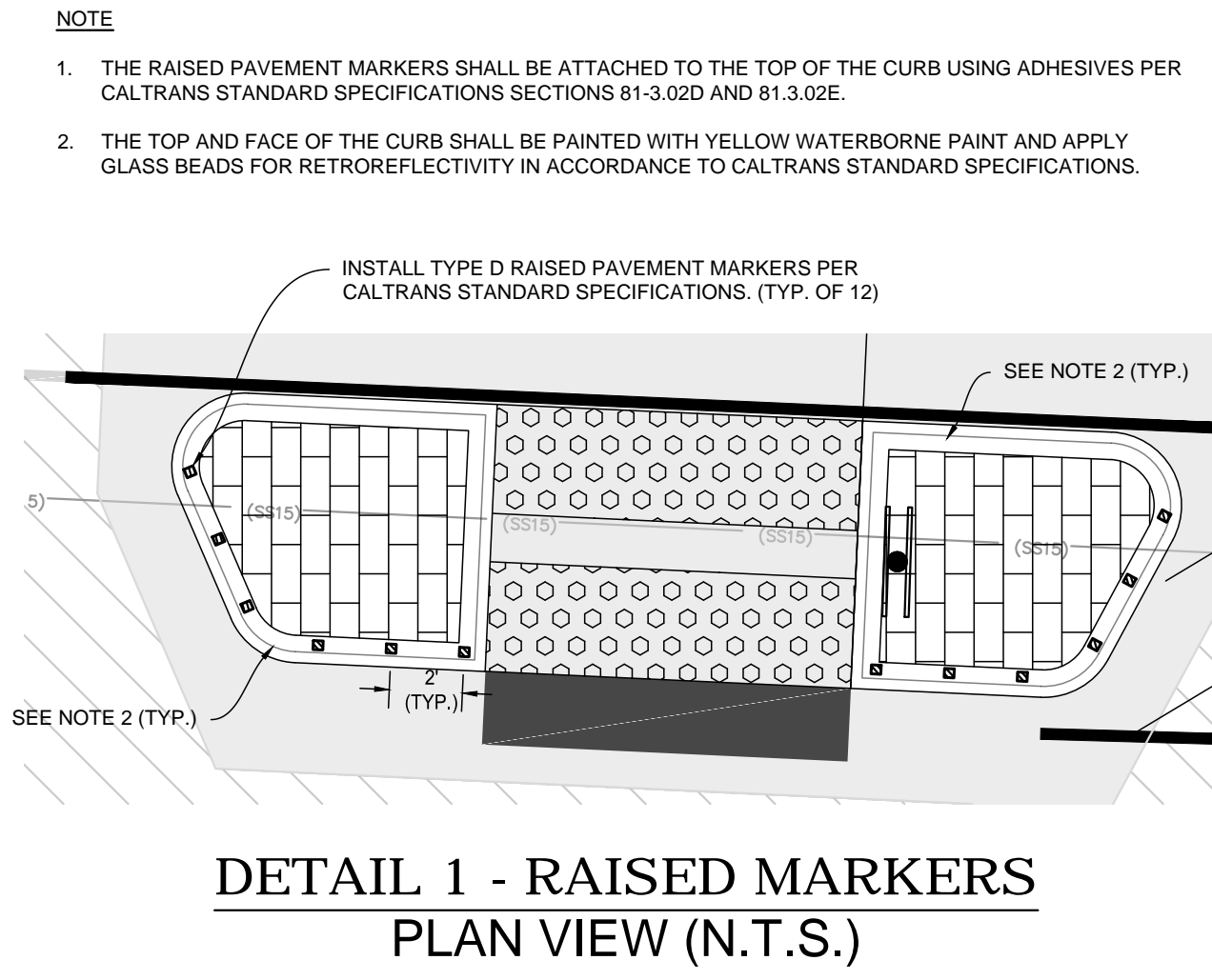
- ① ALL EXISTING PAVEMENT STRIPING & MARKINGS (CROSSWALKS, STOP BARS, STOP MARKING LEGENDS, CENTERLINE, ECT.) SHALL BE REPAINTED WHEN DISTURBED BY IMPROVEMENTS, UNLESS SPECIFIED OTHERWISE.

SIGNING, STRIPING & MARKINGS NOTES

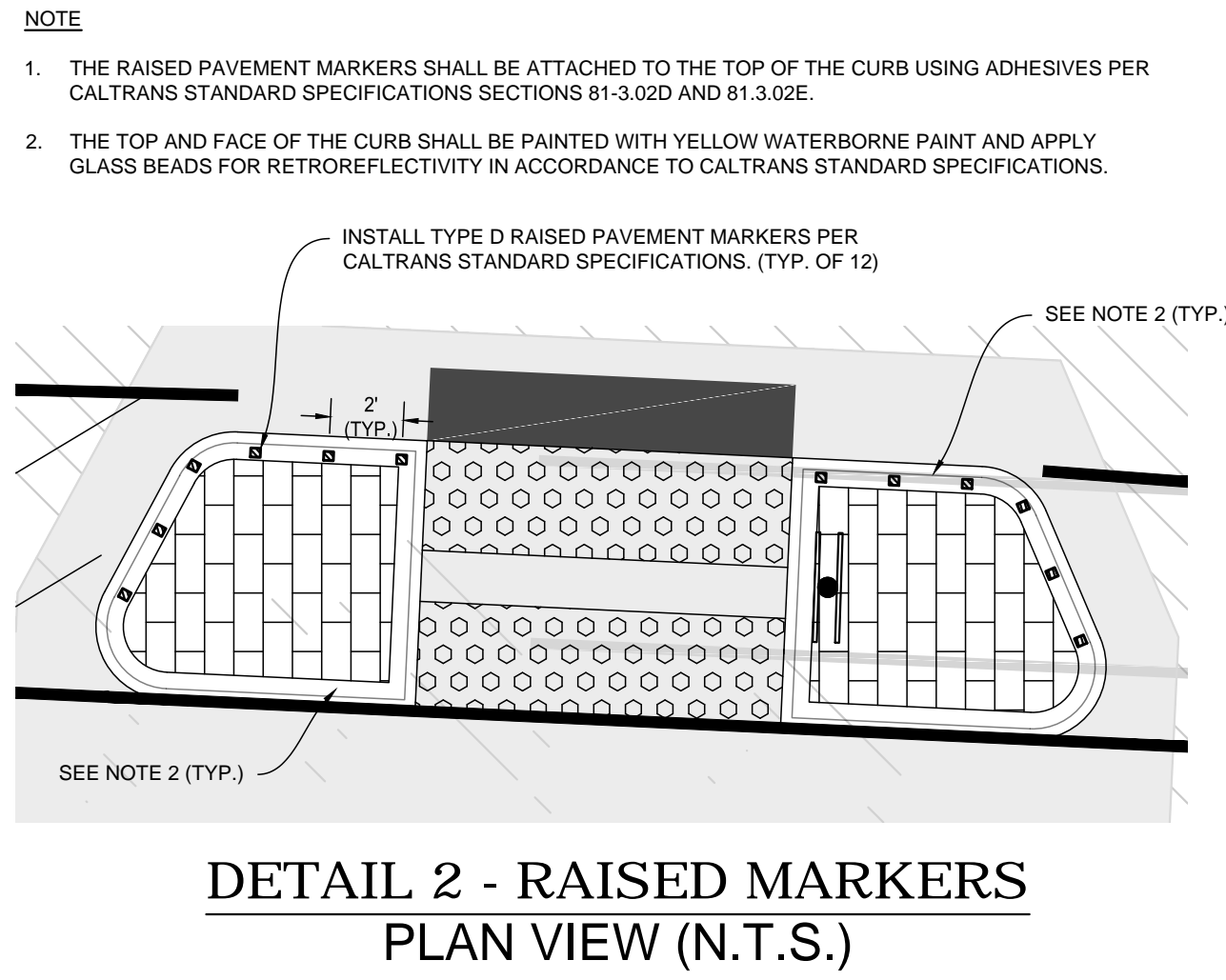
1. ALL WORK AND MATERIALS SHALL CONFORM TO CALTRANS STANDARD PLANS (2015 REVISED STANDARD PLAN RSP) AND THE CA 2014 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS MUTCD (REVISION 3) .
2. ANY CONTRACTOR PERFORMING WORK ON THIS PROJECT SHALL FAMILIARIZE HIMSELF WITH THIS SITE AND SHALL BE SOLELY RESPONSIBLE FOR ANY DAMAGE TO EXISTING FACILITIES RESULTING DIRECTLY OR INDIRECTLY FROM HIS OPERATIONS, WHETHER OR NOT SUCH FACILITIES ARE SHOWN ON THESE PLANS.
3. NEW BIKE LANE STRIPING SHALL BE 5 FEET WIDE.
4. FOR CROSSWALK DETAILS, PLEASE REFER TO THE DETAILS ON THIS SHEET. THE GAP BETWEEN THE LINES ON THE YELLOW SCHOOL CROSSWALK SHOULD BE 10 FEET WITH HIGH VISIBILITY 24" CONTINENTAL PATTERN AS SHOWN ON THE PLANS.



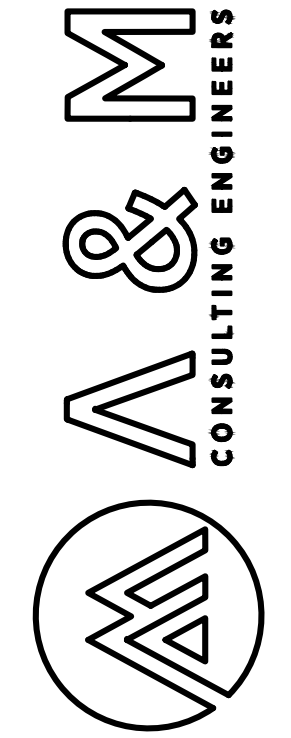
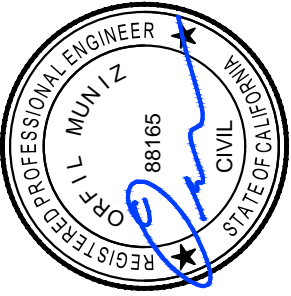
HIGH VISIBILITY CROSSWALK CONTINENTAL DETAIL
(N.T.S.)



DETAIL 1 - RAISED MARKERS
PLAN VIEW (N.T.S.)



DETAIL 2 - RAISED MARKERS
PLAN VIEW (N.T.S.)



ENGINEERING PLANS FOR:
CITY OF CORCORAN
PEDESTRIAN CROSSWALK IMPROVEMENTS
CML 5223(017)
SHEET TITLE:
SIGNING, STRIPING, & MARKING PLAN

REVISIONS

NO.

SCALE: 1" = 20'
JOB NO: 219_005
QA/QC: JA
FILE: 219_005_SSM.DWG
DATE: 5/23/2019

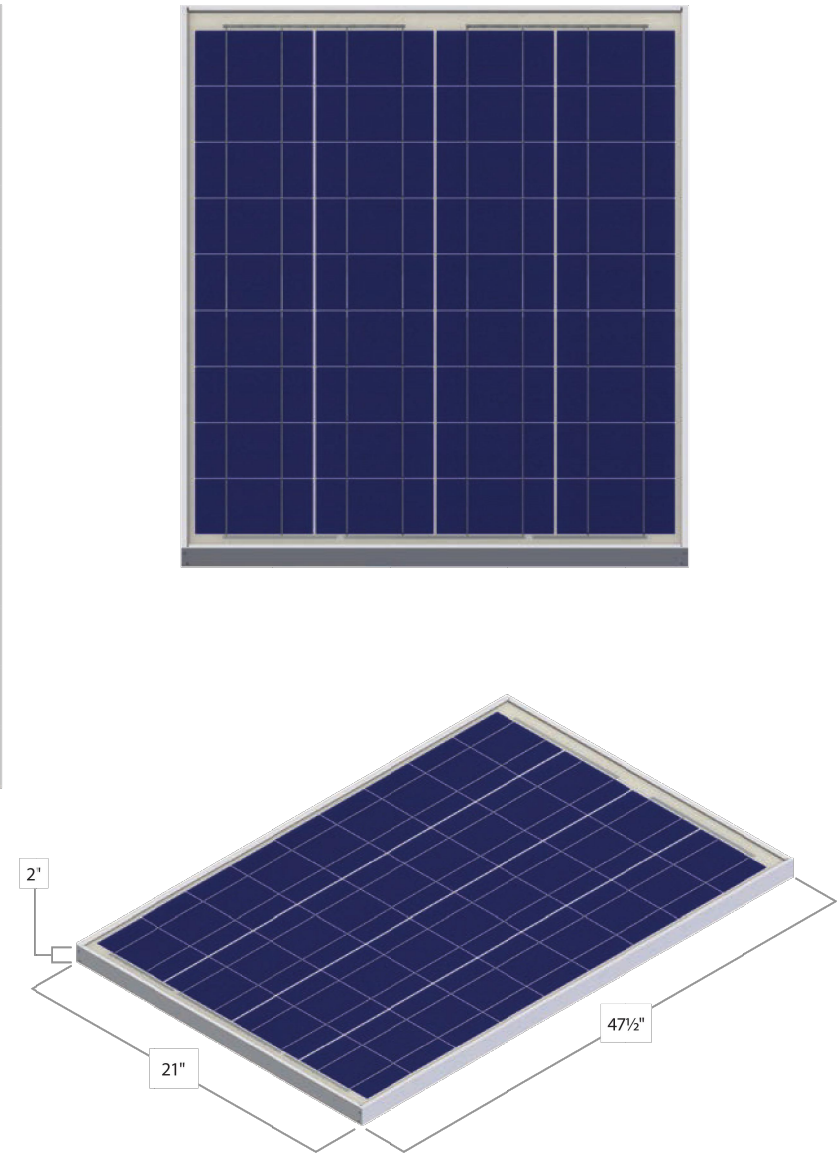


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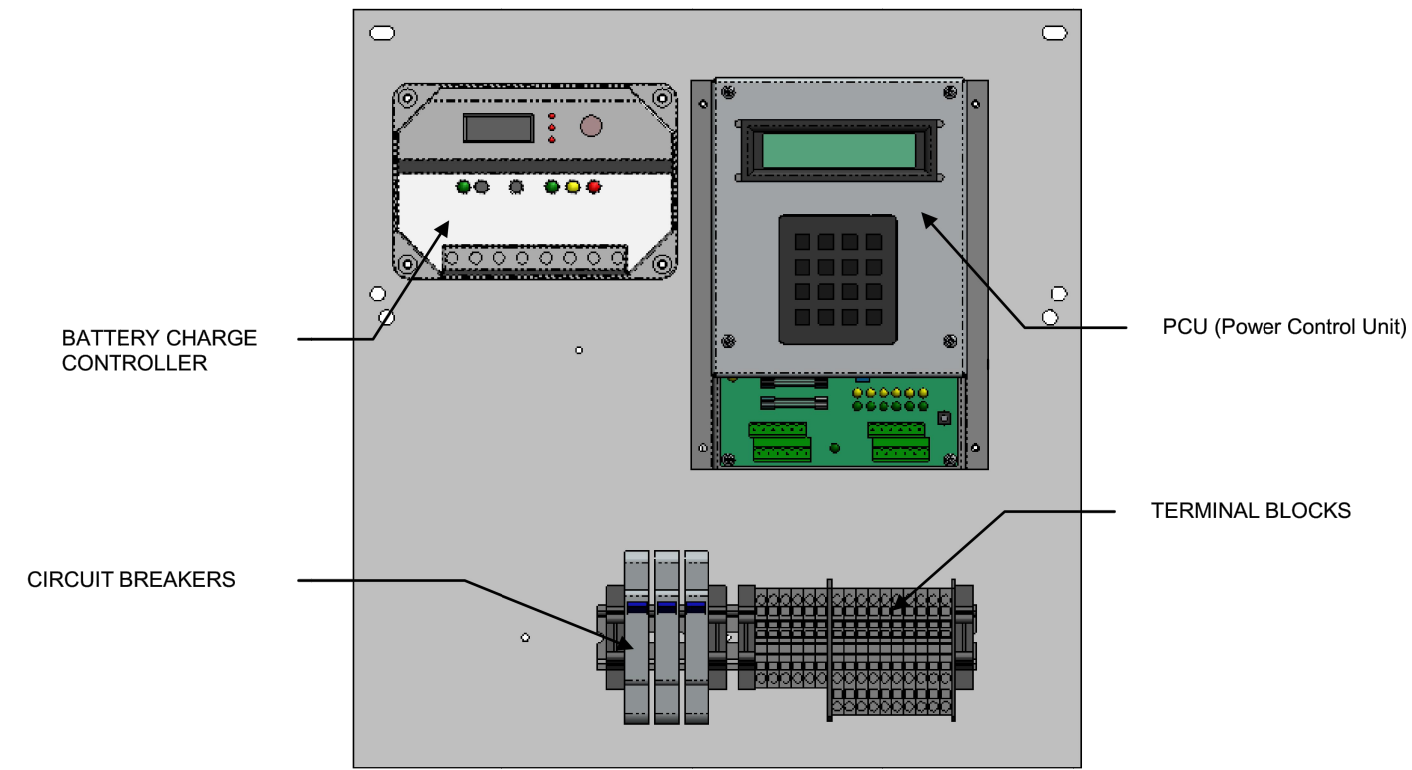
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OF 8

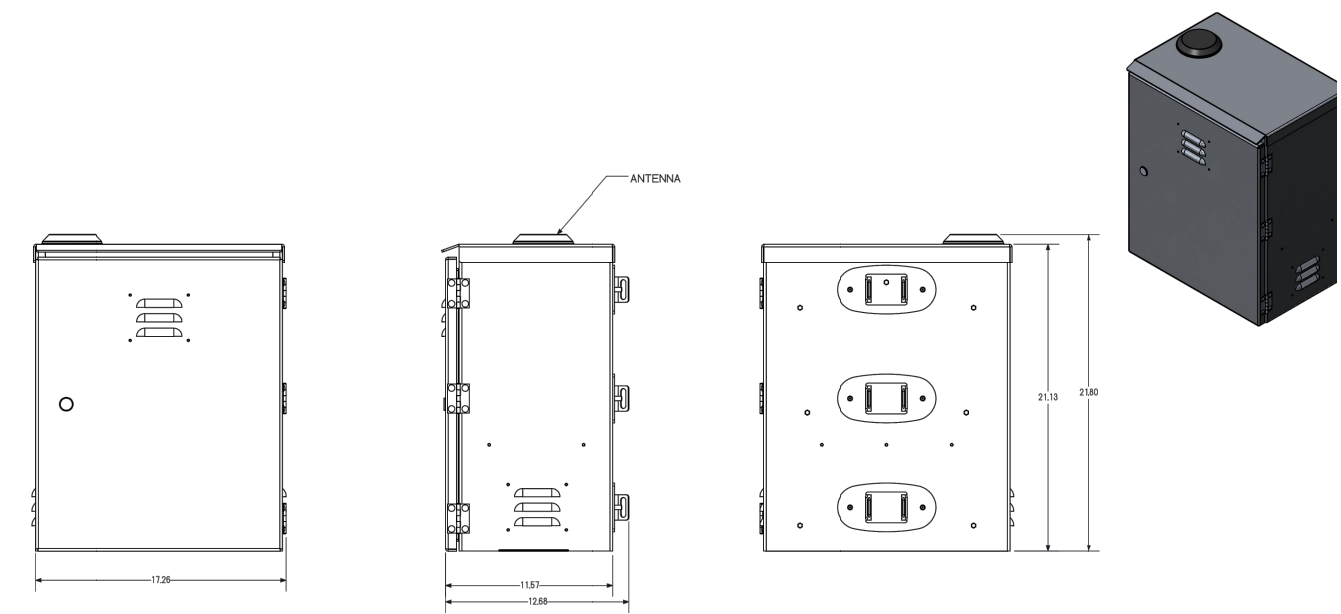
Electrical specifications	
Max Power	85W
Nominal Voltage	12V
Open Circuit Voltage (Voc)	22.2V
Short Circuit Current (Isc)	5.35A
Maximum Power Voltage (Vpm)	17.8V
Maximum Power Current (Ipm)	4.78A
Physical dimensions (without brackets)	
Length	47½"
Width	21"
Depth (thickness)	2"
Weight	20 lbs.
Glass	Tempered



TYPICAL 85W SOLAR PANEL
N.T.S.

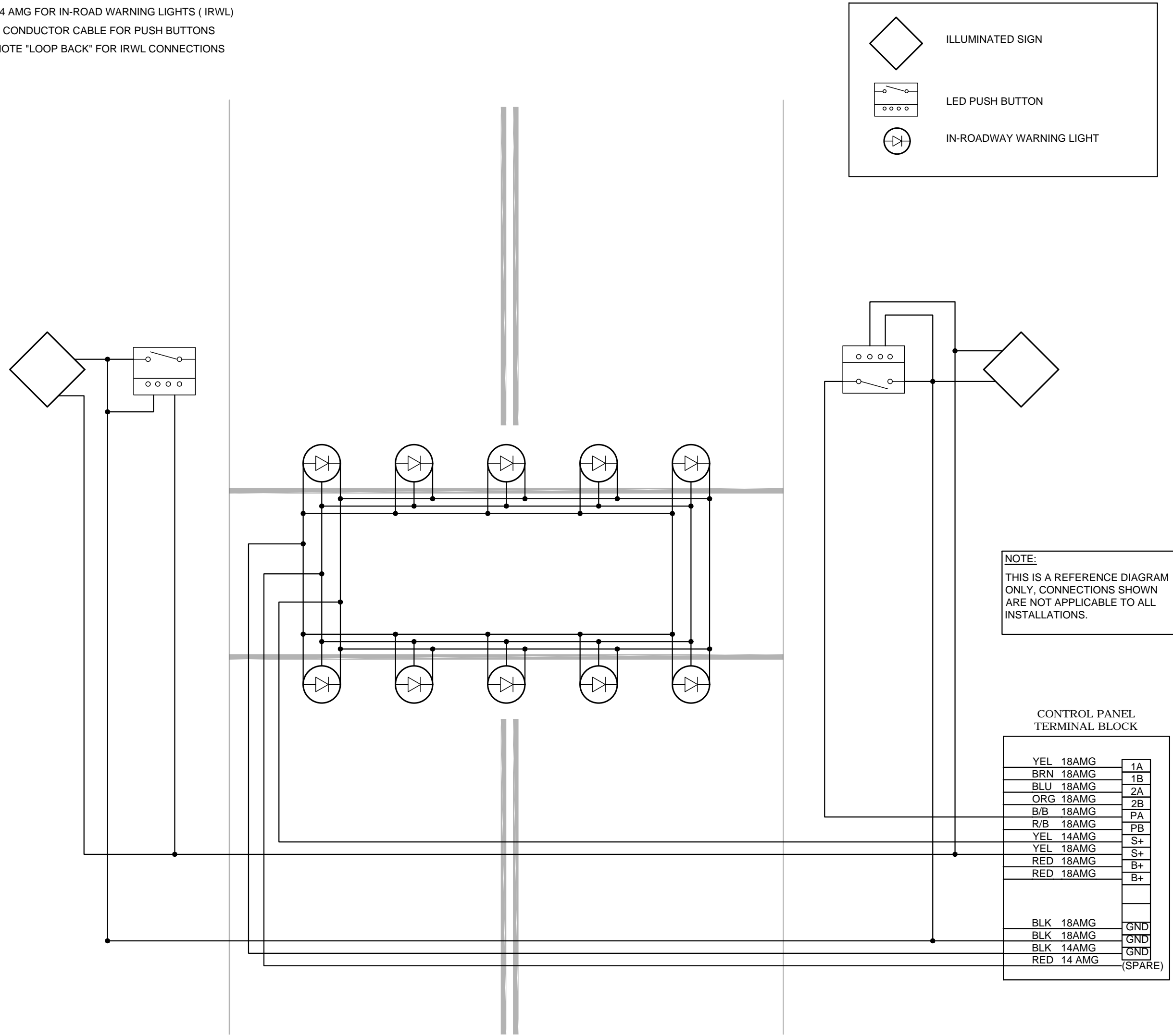


TYPICAL SOLAR BACK PANEL LAYOUT
N.T.S.

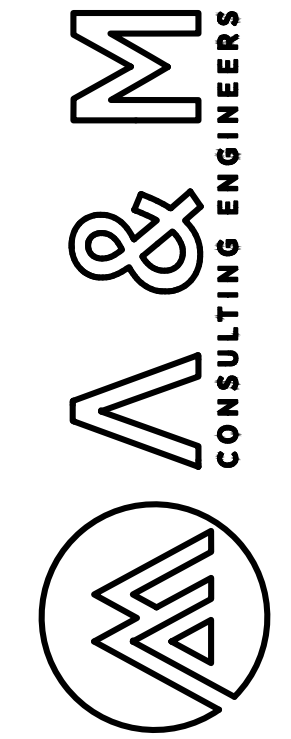
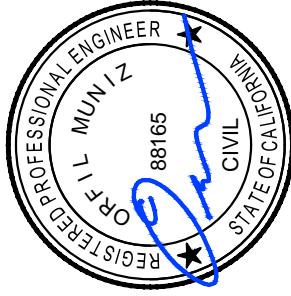


TYPICAL SOLAR ENCLOSURE
N.T.S.

- NOTES:
1. 18 AMG FOR SIGNS & PUSH BUTTONS
 2. 14 AMG FOR IN-ROAD WARNING LIGHTS (IRWL)
 3. 8 CONDUCTOR CABLE FOR PUSH BUTTONS
 4. NOTE 'LOOP BACK' FOR IRWL CONNECTIONS



TYPICAL IN-ROADWAY WARNING LIGHT WIRING DIAGRAM
N.T.S.

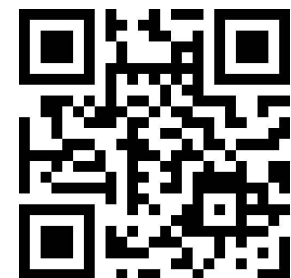


ENGINEERING PLANS FOR:
CITY OF CORCORAN
PEDESTRIAN CROSSWALK IMPROVEMENTS
CML 5223(017)
SHEET TITLE:
ELECTRICAL WIRING DIAGRAM & DETAILS

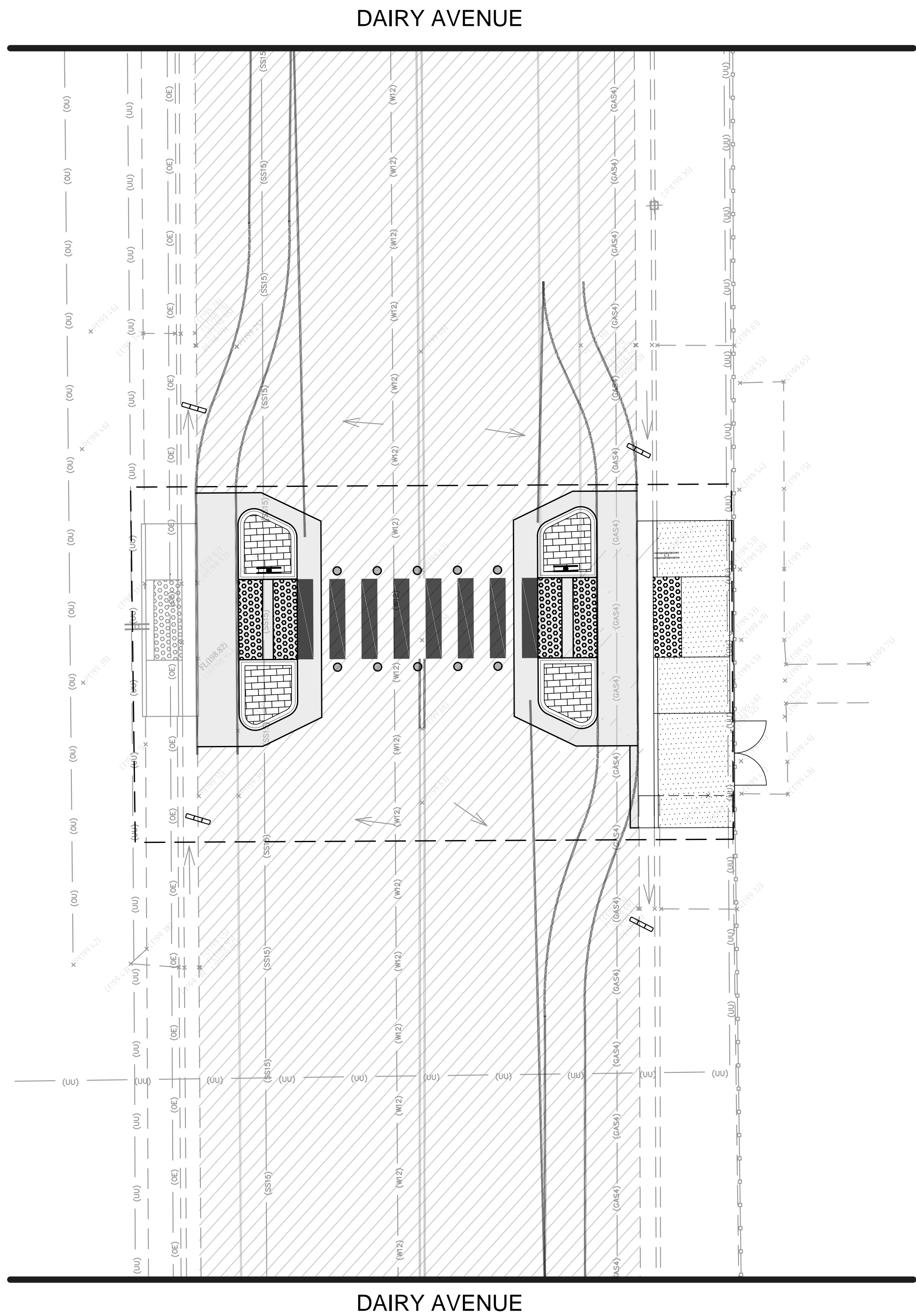
REVISIONS

NO.

SCALE: AS SHOWN
JOB NO: 219_005
QA/QC: JA
FILE: 219_005_ELEC.DWG
DATE: 5/23/2019



SHEET NO.

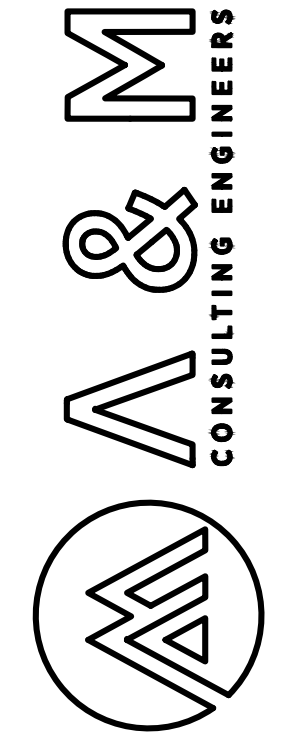
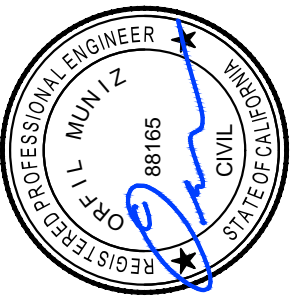
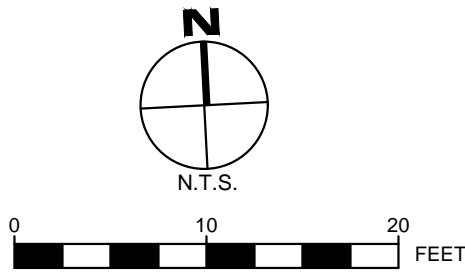


EROSION CONTROL NOTES

1. THIS PLAN IS ACCURATE FOR EROSION AND SEDIMENT CONTROL WORK PURPOSES ONLY.
2. CONTRACTOR IS TO MAINTAIN AND UPDATE THE EROSION AND SEDIMENT CONTROL PRACTICES AS THE PROJECT DEVELOPS.
3. THE ASSIGNED QUALIFIED SWPPP PRACTITIONER (QSP) SHALL HAVE RESPONSIBILITY FOR ENSURING THE INSTALLED EROSION AND SEDIMENT CONTROL PRACTICES ARE IN COMPLIANCE WITH THE STATE OF CALIFORNIA STORM WATER POLLUTION PREVENTION PLAN GUIDELINES AND THE CALIFORNIA BEST MANAGEMENT PRACTICES.
4. CONTRACTOR MAY SUBSTITUTE OTHER SEDIMENT CONTROL DEVICES UNDER AND AT THE DIRECTION OF THE QSP AS MAY BE NECESSARY.
5. CONTRACTOR TO PRACTICE DUST CONTROL MEASURES IN ACCORDANCE WITH THE CITY OF CORCORAN STANDARDS THROUGH THE CONSTRUCTION SITE AND DURATION OF THE WORK.

EROSION CONTROL LEGEND

- EXISTING DRAINAGE PATTERNS
- LIMITS OF GROUND DISTURBANCE
- GRAVEL BAGS
- 1589 SF TOTAL AREA OF GROUND DISTURBANCE



ENGINEERING PLANS FOR:
CITY OF CORCORAN
PEDESTRIAN CROSSWALK IMPROVEMENTS
CML 5223(017)
SHEET TITLE:
EROSION CONTROL PLAN

REVISIONS		NO.
SCALE: AS SHOWN	JOB NO: 219_005	
QA/QC: JA	FILE: 219_005.EROSION.DWG	
DATE: 5/23/2019		



SHEET NO.

8