

Plans for
Construction of

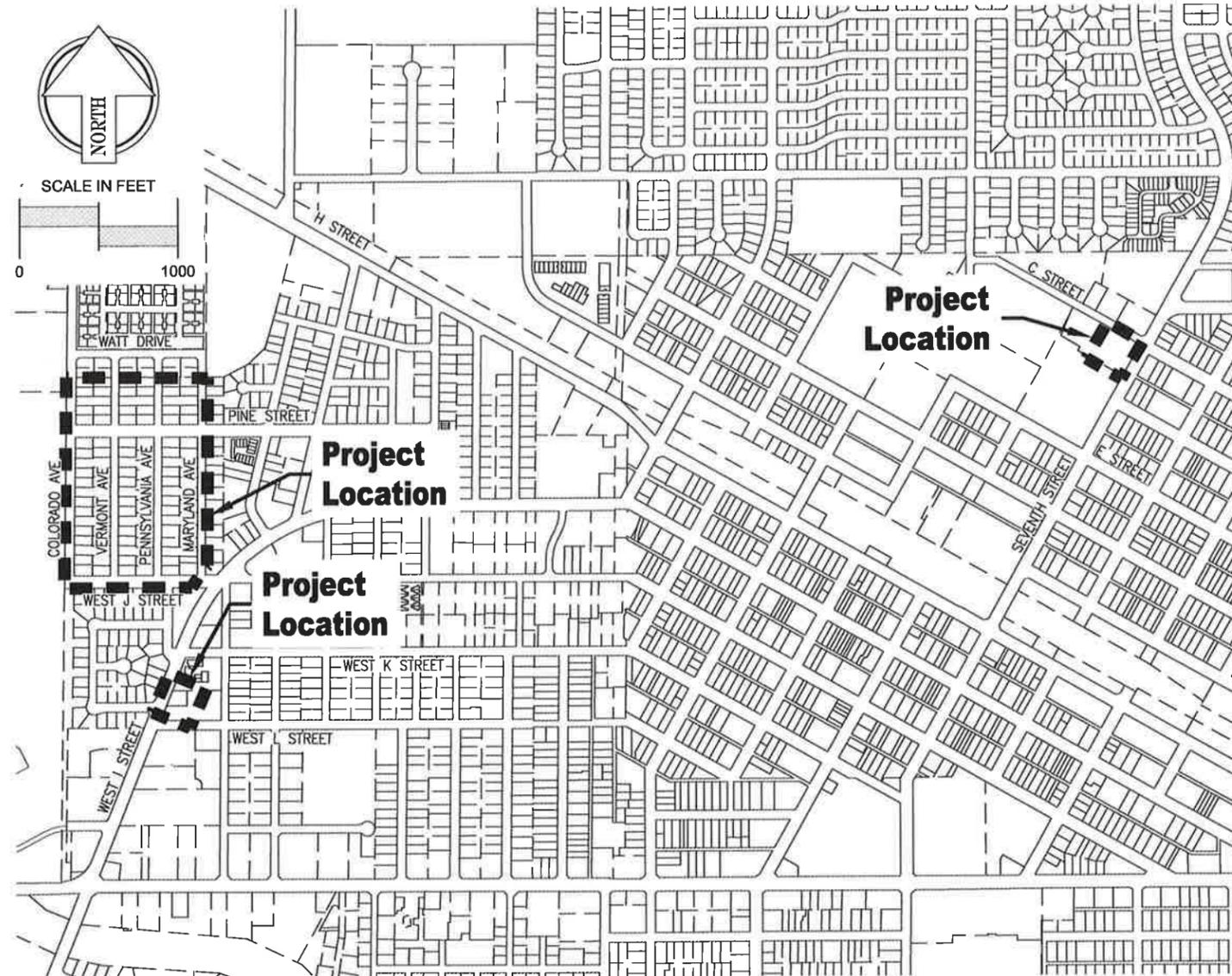
**FIRE STATIONS 1 & 2 ADA AND
"STATE STREETS" SIDEWALK IMPROVEMENTS**

**City of Los Banos
Public Works Department**

PROJECT PLANS FOR CONSTRUCTION OF Fire Stations 1 and 2 ADA and "State Streets" Sidewalk Improvements



CITY OF LOS BANOS



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BENCHMARK
VERTICAL AND HORIZONTAL DATUM:
 VERTICAL AND HORIZONTAL DATUM INFORMATION WAS TAKEN FROM THE NGS DATA SHEET FOR PID HS5126.
 VERTICAL DATUM: NAVD88
 ELEVATION: 120.96'
 HORIZONTAL DATUM: NAD83-2011, CALIFORNIA SPCS, ZONE 3
 DESCRIPTION: STATION IS LOCATED ON THE EAST SIDE OF LOS BANOS, AT THE LOS BANOS MUNICIPAL AIRPORT, IN THE MEDIAN OF THE RUNWAY AND THE PARALLEL TAXI, NEAR THE FRONT VASI FOR RUNWAY 32. TO REACH THE JUNCTION OF STATE HIGHWAY 152 AND WEST I STREET ON THE WEST SIDE OF LOS BANOS, GO NORTHEAST ON WEST I STREET FOR 0.06 MI TO A PAVED ROAD LEFT. TURN LEFT, SOUTHWEST, ON PAVED ROAD FOR 0.25 MI TO A LOCKED GATE ON THE RIGHT. TURN RIGHT, NORTHEAST, THROUGH GATE, PASSING TO RIGHT OF FUEL PUMPS, ACROSS APRON FOR 0.05 MI TO THE PARALLEL TAXI. TURN LEFT, NORTHWEST, ON TAXI FOR 0.06 MI TO THE STATION ON THE RIGHT. STATION MARK IS SET IN THE TOP OF A 30-CM ROUND CONCRETE POST FLUSH WITH THE GROUND ON A SLIGHT HUMP IN A BARE AREA. IT IS 142.1 FT SOUTHWEST OF THE RUNWAY CENTER, 103.3 FT NORTHEAST OF THE EDGE OF THE APRON/TAXI, 26.6 FT SOUTHWEST OF THE SOUTH CORNER OF THE CONCRETE PAD FOR THE OUTBOARD VASI, 73.8 FT NORTHWEST OF THE EXTENDED SOUTHEAST WALL OF A HANGAR AND 1.3 FT NORTHWEST OF A FIBERGLASS WITNESS POST.

UTILITY CONTACTS
 PG&E- STEVE MURPHY MAIN (209) 726-6338
 3185 M STREET CELL (209) 363-2216
 MERCED, CA 95348
 AT&T- TROY BRANIFF MAIN (209) 726-7137
 1860 W WARDROBE AVE
 MERCED, CA 95341

Plan sheets in this plan set are full size when printed on 11x17 size sheets without an exaggeration. The bar scale should be used to check plan sheet scale.

REV	DATE	DESCRIPTION	APPR

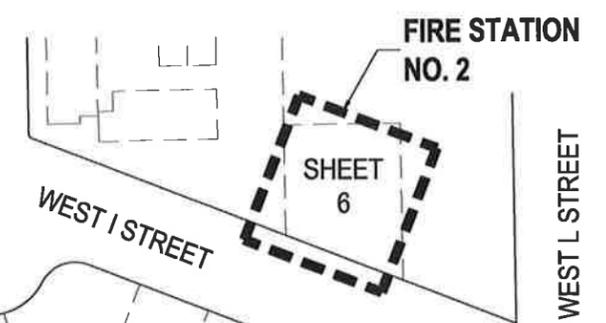
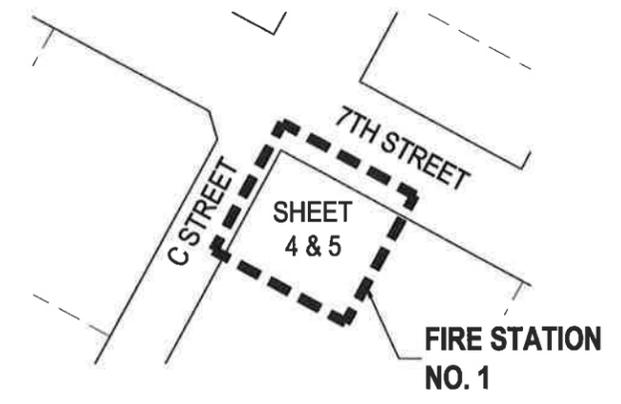
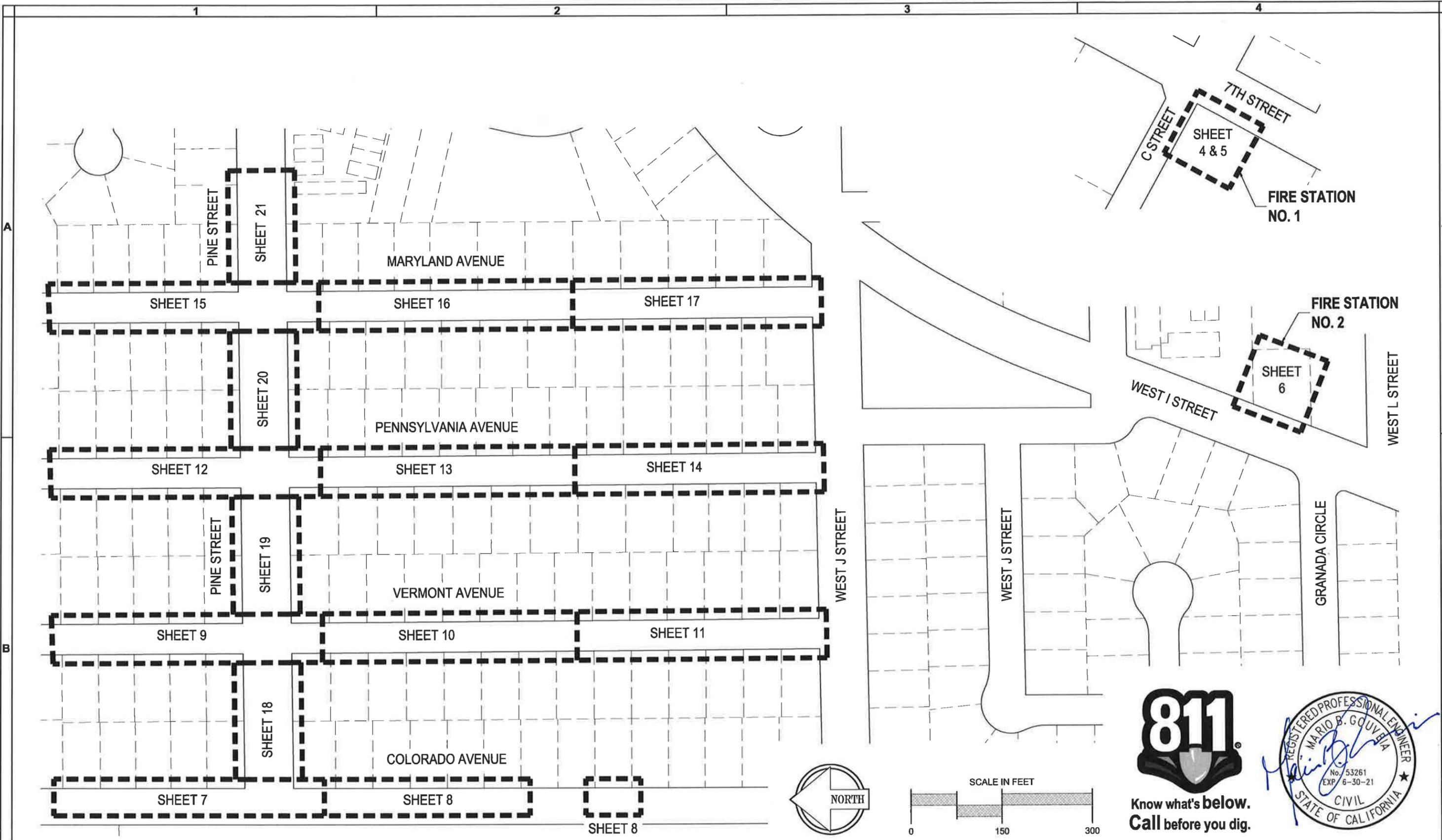
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City of Los Banos
Fire Stations 1 and 2 ADA and "State Streets" Sidewalk Improvements
LOCATION MAP AND INDEX OF DRAWINGS

DESIGNED BY MBG	DATE 06/22/19	DRAWING C-101
DRAWN BY MVP, NF, DGR	DATE 06/26/19	SHEET 1
CHECKED BY M. Gouveia	DATE 06/26/19	OF 27 SHEETS
APPROVED M. Gouveia	DATE 06/26/19	PROJECT NUMBER 825.03/845.05

Jun 27, 2019 - 5:32pm
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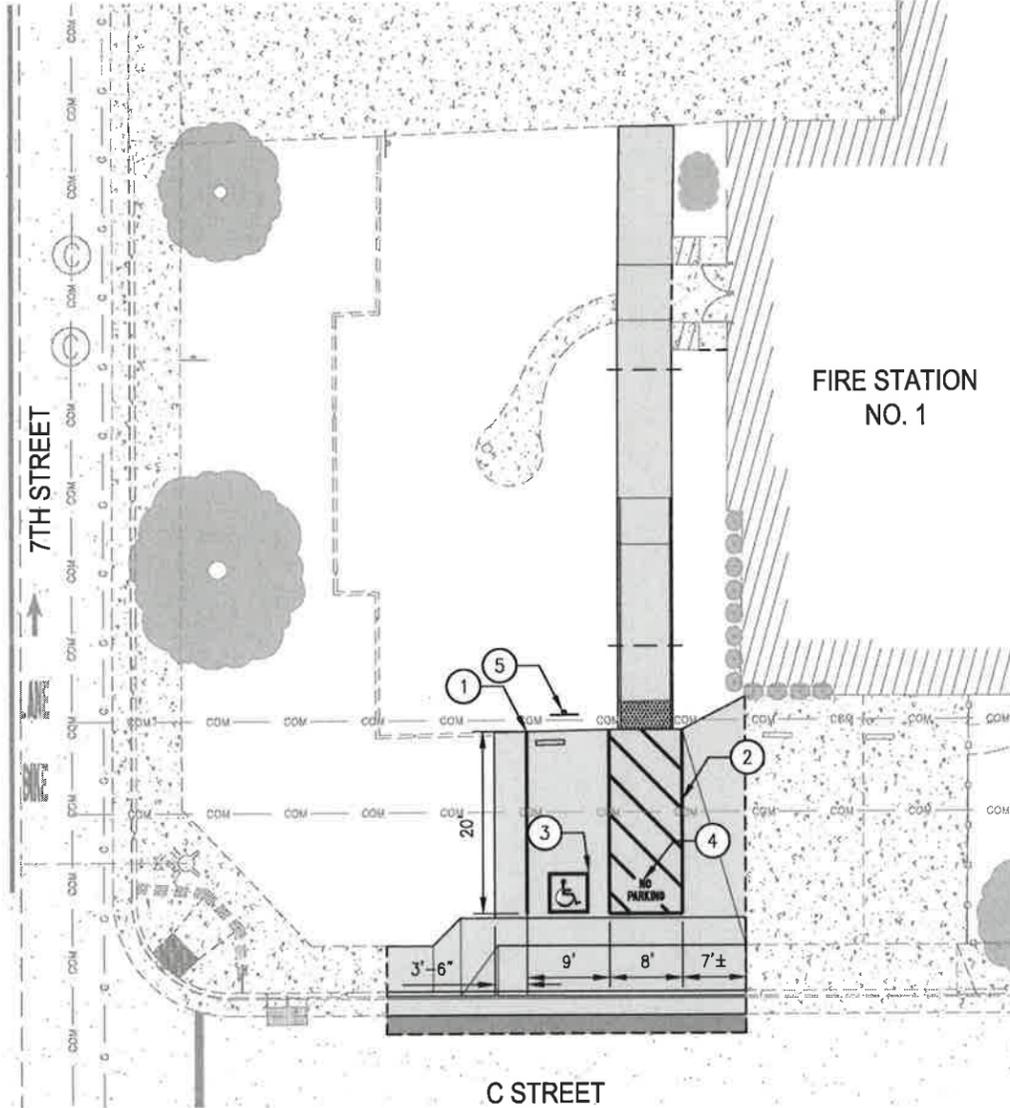
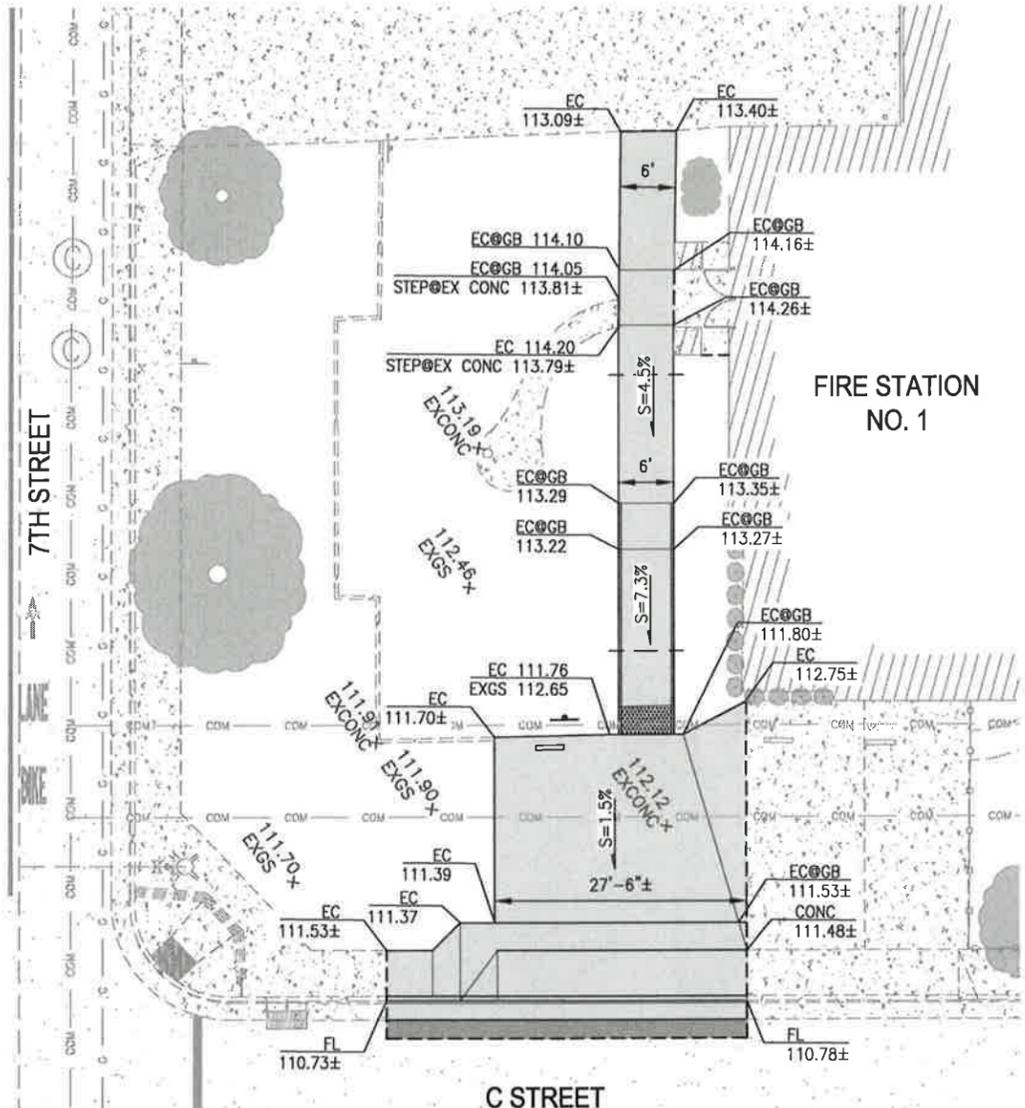
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City of Los Banos
Fire Stations 1 and 2 ADA and "State Streets" Sidewalk Improvements
SHEET KEY

DESIGNED BY MBG	DATE 06/22/19	DRAWING C-103
DRAWN BY MVP, NF, DGR	DATE 06/26/19	SHEET 3
CHECKED BY M. Gouveia	DATE 06/26/19	OF 27 SHEETS
APPROVED M. Gouveia	DATE 06/26/19	PROJECT NUMBER 825.03/845.05



CONSTRUCTION NOTES		REFERENCE DETAIL
①	APPLY SINGLE 4" WHITE LINE FOR PARKING STALL.	
②	APPLY 4" BLUE LINE BORDER AROUND ACCESSIBLE AISLE AND APPLY 4" WHITE LINES AT 45 DEGREE DIAGONALS, SPACED 3 FEET MAX CENTERS, PER CALTRANS REVISED STANDARD PLAN RSP A90A DETAIL.	
③	APPLY WHITE INTERNATIONAL SYMBOL OF ACCESSIBILITY MARKING WITH WHITE BORDER AND BLUE BACKGROUND AT REAR LIMIT OF STALL PER CALTRANS STANDARD PLAN A24C DETAIL.	
④	APPLY "NO PARKING" WHITE LETTERS PER CALTRANS REVISED STANDARD PLAN RSP A90A DETAIL.	
⑤	INSTALL ADA ACCESSIBLE PARKING SIGN R99C (CA), VAN ACCESSIBLE SIGN R7-8B, AND POST. INSTALL SIGN POST WITH 3' OFFSET FROM BACK OF CONCRETE.	④ ⑤

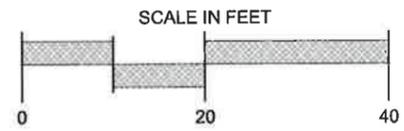
ESTIMATED QUANTITIES	
PROPOSED STRIPING	116 EA
PROPOSED MARKING	26 SF
NEW SIGN INSTALLATION	1 EA

NOTES

1. ALL PROPOSED STRIPING AND MARKINGS AT FIRE STATION NO. 1 ARE TO BE PAINT.

GRADING PLAN

STRIPING AND SIGNAGE PLAN



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1			

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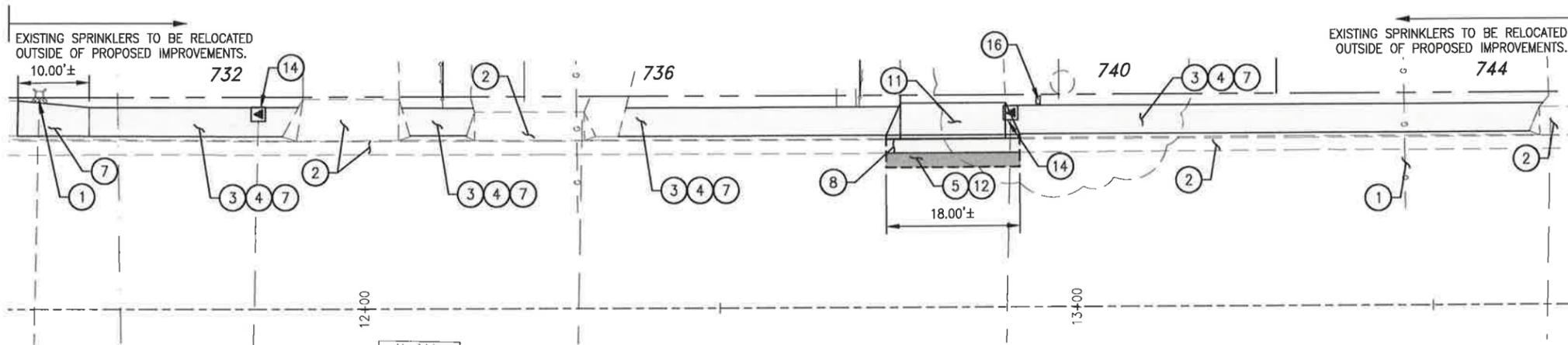
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City of Los Banos

Fire Stations 1 and 2 ADA and "State Streets" Sidewalk Improvements
FIRE STATION 1
GRADING, STRIPING AND SIGNAGE PLANS

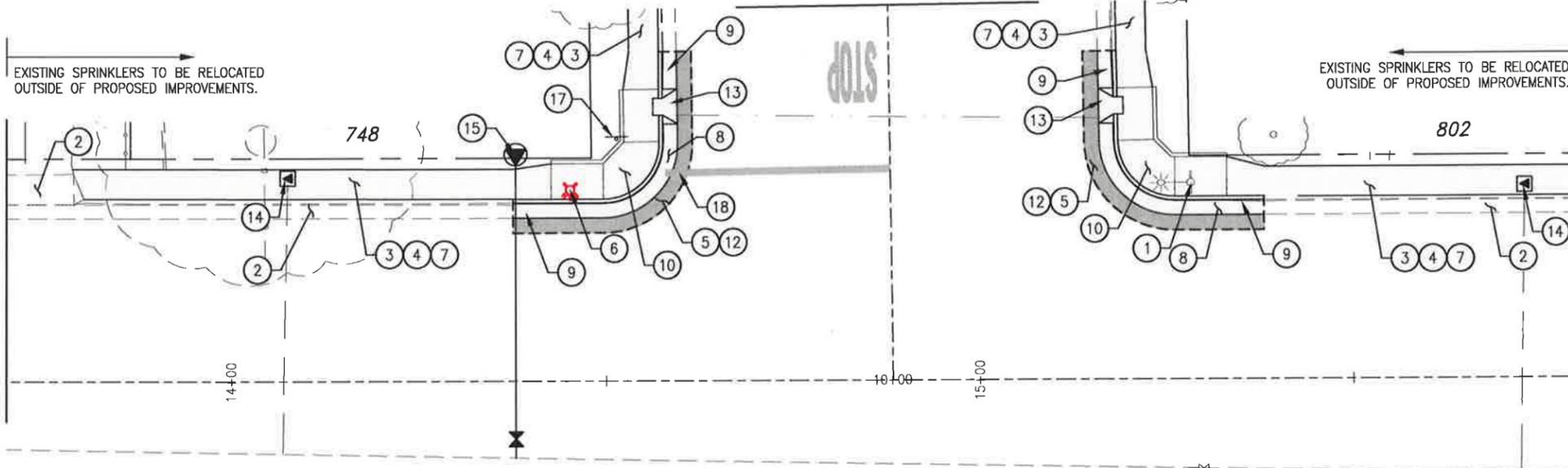
DESIGNED BY	DATE	DRAWING
MBG	06/22/19	C-105
DRAWN BY	DATE	SHEET
MVP, NF, DGR	06/26/19	5
CHECKED BY	DATE	OF 27 SHEETS
M. Gouveia	06/26/19	PROJECT NUMBER
APPROVED	DATE	825.03/845.05
M. Gouveia	06/26/19	



COLORADO AVENUE
STATION 11+50 - 13+70

MATCH LINE
(13+70 SEE BELOW LEFT)

MATCH LINE
(10+50 PINE ST SEE SHEET 19)

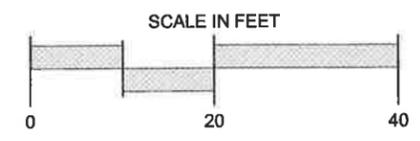


COLORADO AVENUE
STATION 13+70 - 15+80

MATCH LINE
(15+80 SEE SHEET 9)

CONSTRUCTION NOTES	REFERENCE DETAIL
① LOCATE AND PROTECT EXISTING UTILITIES IN PLACE.	
② EXISTING CONCRETE IMPROVEMENTS TO REMAIN IN PLACE AND BE PROTECTED.	
③ REMOVE EXISTING GRASS, TREE(S), STUMP(S), AND ROOT SYSTEM AS REQUIRED TO ACCOMMODATE THE PROPOSED IMPROVEMENTS. REMOVE EXISTING HARDSCAPE IMPROVEMENTS AS NECESSARY TO ACCOMMODATE THE PROPOSED IMPROVEMENTS. CONCRETE TO BE REMOVED TO THE NEAREST PANELS JOINT. ABUTTING CONCRETE EDGE SHALL BE SAWCUT AND PREPARED FOR AN EXPANSION JOINT AND DOWELING.	
④ SAWCUT AND REMOVE EXISTING AC AS NECESSARY TO ACCOMMODATE THE PROPOSED IMPROVEMENTS.	
⑤ EXISTING FIRE HYDRANT AND PIPE TO BE REMOVED, INCLUDING 90 DEGREE ELBOW. INSTALL CAP AT END OF PIPE TO REMAIN AND CONSTRUCT THRUST BLOCK.	
⑥ CONSTRUCT 4' WIDE CONCRETE SIDEWALK. WHERE REQUIRED CONSTRUCT DRIVEWAY/PATHWAY TRANSITION(S). TRANSITION SIDEWALK TO MEET AND MATCH EXISTING IMPROVEMENTS.	② 22
⑦ CONSTRUCT NEW CURB AND GUTTER DOWELED INTO THE EXISTING CURB AND GUTTER. CURB TYPE TO MATCH EXISTING. MEET AND MATCH EXISTING IMPROVEMENTS AT EITHER END.	① 22
⑧ CONSTRUCT 5' CURB AND GUTTER TRANSITION TO MATCH EXISTING.	③ 22
⑨ CONSTRUCT CASE C CURB CUT RAMP.	③ 23
⑩ CONSTRUCT RESIDENTIAL DRIVEWAY APPROACH WITH A 15'-0" THROAT.	② 24
⑪ CONSTRUCT AC PAVEMENT REPAIR.	⑤ 24
⑫ REMOVE EXISTING STORM DRAIN CATCH BASIN. CONSTRUCT NEW CATCH BASIN IN NEW LOCATION AND CONNECT TO EXISTING PIPING.	① 26
⑬ REMOVE AND REPLACE EXISTING METER BOX AND LID AND ADJUST TO GRADE. EXISTING BOX MAY BECOME PROPERTY OF THE OWNER AT THE OWNER'S OPTION.	② 26
⑭ INSTALL NEW FIRE HYDRANT ASSEMBLY.	④ 25
⑮ REMOVE AND RELOCATE EXISTING MAILBOX. EXISTING MAILBOX TO BE REINSTALLED ON A NEW POST OUTSIDE OF THE PROPOSED IMPROVEMENTS.	
⑯ REMOVE EXISTING POST, SALVAGE EXISTING SIGN(S) FOR REINSTALLATION. RELOCATE SIGN OUTSIDE OF THE PROPOSED IMPROVEMENTS AND INSTALL SALVAGED SIGN(S) ON NEW BREAKAWAY POST.	④ 24
⑰ APPLY THERMOPLASTIC LIMIT LINE.	

ESTIMATED QUANTITIES	
CONSTRUCT RESIDENTIAL DRIVEWAY	1 EA
CONSTRUCT CURB AND GUTTER	20 LF
CONSTRUCT SIDEWALK	1,172 SF
CONSTRUCT CASE C CURB RAMP	2 EA
CONSTRUCT AC PAVEMENT REPAIR	203 SF
INSTALL FIRE HYDRANT ASSEMBLY	1 EA
CONSTRUCT CATCH BASIN	2 EA
INSTALL SIGN	1 EA



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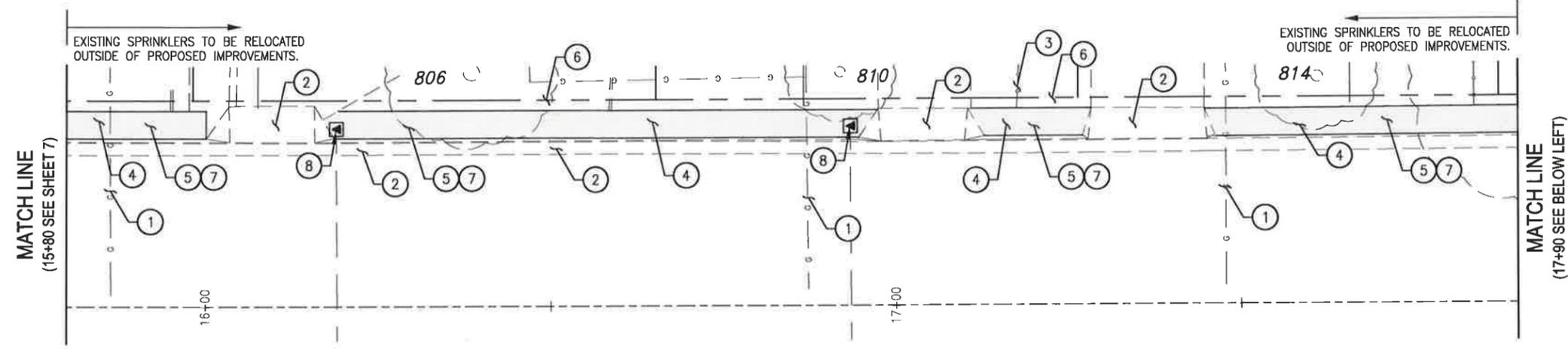
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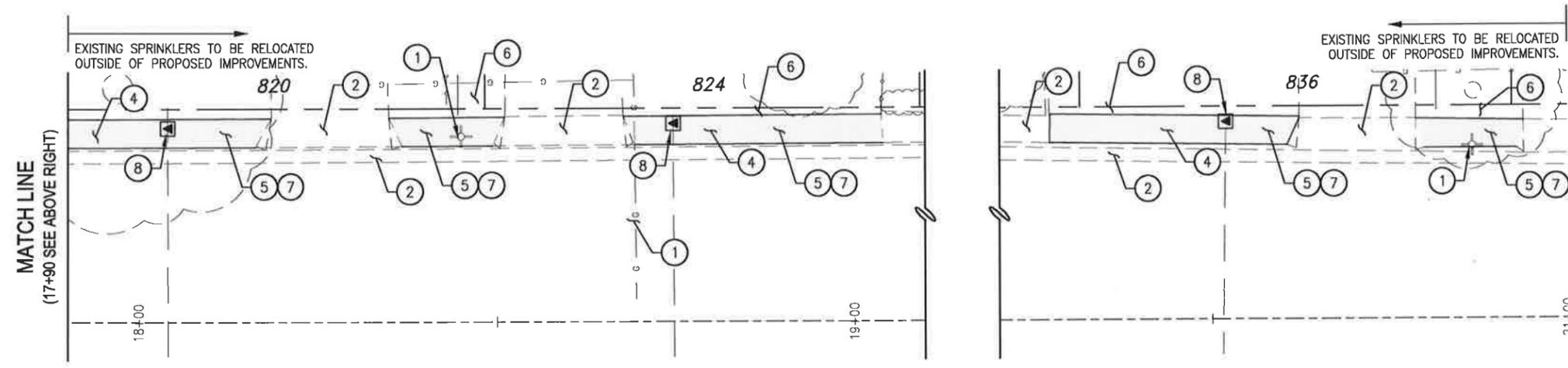
City of Los Banos
Fire Stations 1 and 2 ADA and "State Streets" Sidewalk Improvements
COLORADO AVENUE IMPROVEMENTS
STATION: 11+50 - 15+80

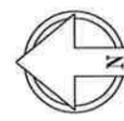
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DRAWN BY MVP, NF, DGR	DATE 06/26/19	SHEET 7
CHECKED BY M. Gouveia	DATE 06/26/19	OF 27 SHEETS
APPROVED M. Gouveia	DATE 06/26/19	PROJECT NUMBER 825.03/845.05

CONSTRUCTION NOTES		REFERENCE DETAIL
①	LOCATE AND PROTECT EXISTING UTILITIES IN PLACE.	
②	EXISTING CONCRETE IMPROVEMENTS TO REMAIN IN PLACE AND BE PROTECTED.	
③	EXISTING FENCING/WALL TO REMAIN IN PLACE AND BE PROTECTED.	
④	REMOVE EXISTING GRASS, TREE(S), STUMP(S), AND ROOT SYSTEM AS REQUIRED TO ACCOMMODATE THE PROPOSED IMPROVEMENTS.	
⑤	REMOVE EXISTING HARDSCAPE IMPROVEMENTS AS NECESSARY TO ACCOMMODATE THE PROPOSED IMPROVEMENTS. CONCRETE TO BE REMOVED TO THE NEAREST PANELS JOINT. ABUTTING CONCRETE EDGE SHALL BE SAWCUT AND PREPARED FOR AN EXPANSION JOINT AND DOWELING.	
⑥	GRADE EXISTING TO CONFORM TO THE PROPOSED IMPROVEMENTS.	
⑦	CONSTRUCT 4' WIDE CONCRETE SIDEWALK. WHERE REQUIRED CONSTRUCT DRIVEWAY/PATHWAY TRANSITION(S).	2/22
⑧	REMOVE AND REPLACE EXISTING METER BOX AND LID AND ADJUST TO GRADE. EXISTING BOX MAY BECOME PROPERTY OF THE OWNER AT THE OWNER'S OPTION.	2/26

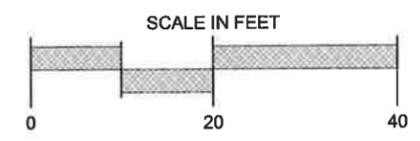



COLORADO AVENUE
 STATION 11+50 - 13+70




COLORADO AVENUE
 STATION 13+70 - 21+00

ESTIMATED QUANTITIES	
CONSTRUCT SIDEWALK	943 SF



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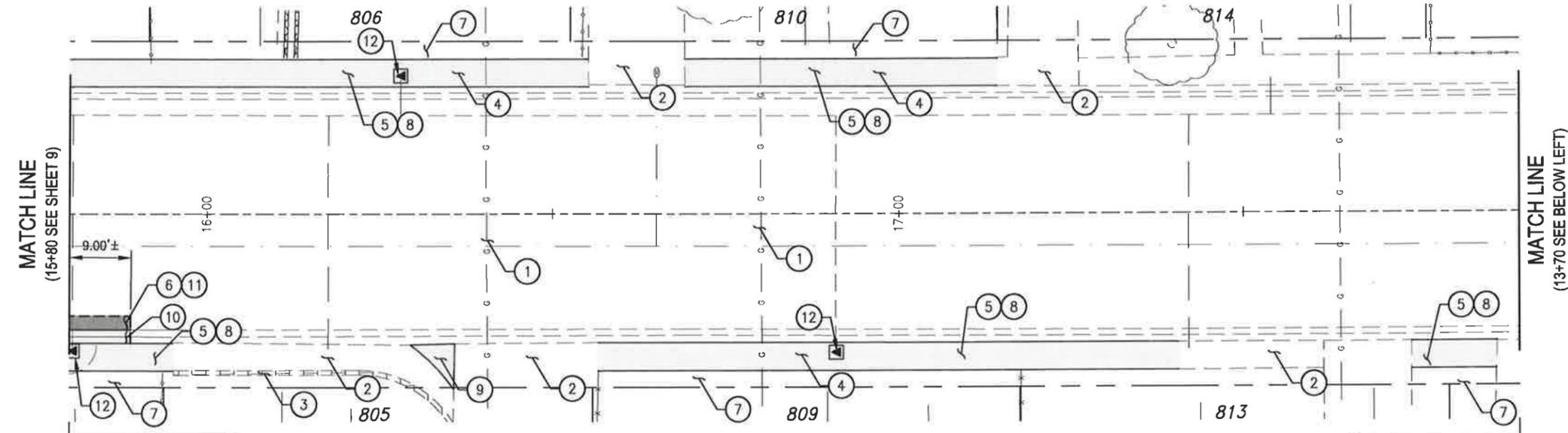
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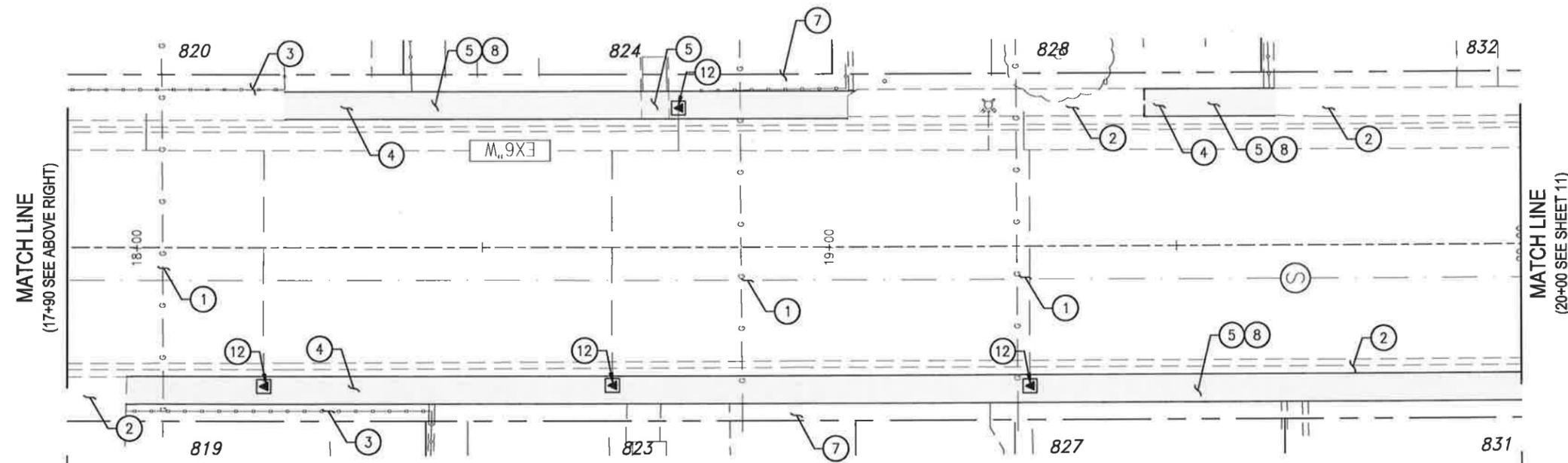
City of Los Banos
Fire Stations 1 and 2 ADA and "State Streets" Sidewalk Improvements
COLORADO AVENUE IMPROVEMENTS
STATION: 15+80 - 21+00

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DRAWN BY MVP, NF, DGR	DATE 06/26/19	
CHECKED BY M. Gouveia	DATE 06/26/19	
APPROVED M. Gouveia	DATE 06/26/19	

CONSTRUCTION NOTES		REFERENCE DETAIL
①	LOCATE AND PROTECT EXISTING UTILITIES IN PLACE.	
②	EXISTING CONCRETE IMPROVEMENTS TO REMAIN IN PLACE AND BE PROTECTED.	
③	EXISTING FENCING/WALL TO REMAIN IN PLACE AND BE PROTECTED.	
④	REMOVE EXISTING GRASS, TREE(S), STUMP(S), AND ROOT SYSTEM AS REQUIRED TO ACCOMMODATE THE PROPOSED IMPROVEMENTS.	
⑤	REMOVE EXISTING HARDSCAPE IMPROVEMENTS AS NECESSARY TO ACCOMMODATE THE PROPOSED IMPROVEMENTS. CONCRETE TO BE REMOVED TO THE NEAREST PANELS JOINT. ABUTTING CONCRETE EDGE SHALL BE SAWCUT AND PREPARED FOR AN EXPANSION JOINT AND DOWELING.	
⑥	SAWCUT AND REMOVE EXISTING AC AS NECESSARY TO ACCOMMODATE THE PROPOSED IMPROVEMENTS.	
⑦	GRADE EXISTING TO CONFORM TO THE PROPOSED IMPROVEMENTS.	
⑧	CONSTRUCT 4' WIDE CONCRETE SIDEWALK. WHERE REQUIRED CONSTRUCT DRIVEWAY/PATHWAY TRANSITION(S).	②/22
⑨	CONSTRUCT CONCRETE SIDEWALK, FILL IN EXISTING MISSING CONCRETE SECTION.	②/22
⑩	CONSTRUCT NEW CURB AND GUTTER DOWELED INTO THE EXISTING CURB AND GUTTER. CURB TYPE TO MATCH EXISTING. MEET AND MATCH EXISTING IMPROVEMENTS AT EITHER END.	①/22
⑪	CONSTRUCT AC PAVEMENT REPAIR.	⑤/24
⑫	REMOVE AND REPLACE EXISTING METER BOX AND LID AND ADJUST TO GRADE. EXISTING BOX MAY BECOME PROPERTY OF THE OWNER AT THE OWNER'S OPTION.	②/26

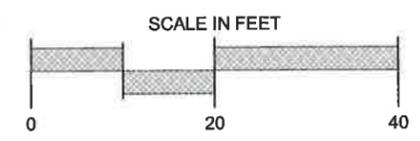


VERMONT AVENUE
STATION 15+80 - 17+90



VERMONT AVENUE
STATION 15+80 - 20+00

ESTIMATED QUANTITIES	
CONSTRUCT CURB AND GUTTER	9 LF
CONSTRUCT SIDEWALK	2,157 SF
CONSTRUCT AC PAVEMENT REPAIR	18 SF



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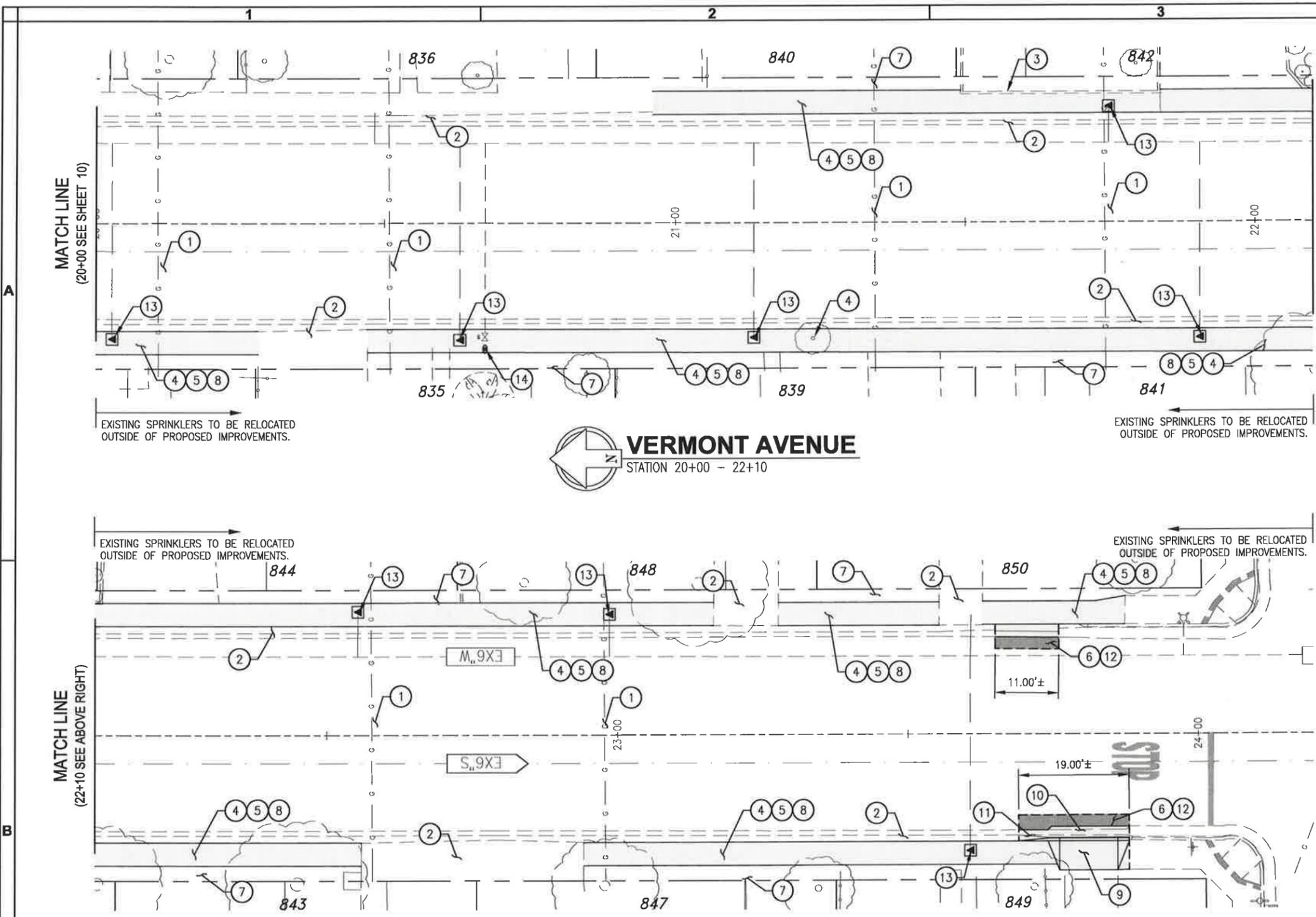
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Fire Stations 1 and 2 ADA and "State Streets" Sidewalk Improvements
VERMONT AVENUE IMPROVEMENTS
STATION: 15+80 - 20+00

DESIGNED BY MBG	DATE 06/22/19	DRAWING C-110
DRAWN BY MVP, NF, DGR	DATE 06/26/19	SHEET 10
CHECKED BY M. Gouveia	DATE 06/26/19	OF 27 SHEETS
APPROVED M. Gouveia	DATE 06/26/19	PROJECT NUMBER 825.03/845.05

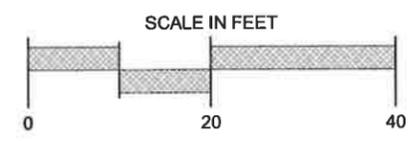
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4	REMOVE EXISTING GRASS, TREE(S), STUMP(S), AND ROOT SYSTEM AS REQUIRED TO ACCOMMODATE THE PROPOSED IMPROVEMENTS.	
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6	SAWCUT AND REMOVE EXISTING AC AS NECESSARY TO ACCOMMODATE THE PROPOSED IMPROVEMENTS.	
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8	CONSTRUCT 4' WIDE CONCRETE SIDEWALK. WHERE REQUIRED CONSTRUCT DRIVEWAY/PATHWAY TRANSITION(S). TRANSITION SIDEWALK TO MEET AND MATCH EXISTING IMPROVEMENTS.	2/22
9	CONSTRUCT RESIDENTIAL DRIVEWAY APPROACH WITH A 10'-0" THROAT.	2/24
10	CONSTRUCT NEW CURB AND GUTTER DOWELED INTO THE EXISTING CURB AND GUTTER. CURB TYPE TO MATCH EXISTING. MEET AND MATCH EXISTING IMPROVEMENTS AT EITHER END.	1/22
11	CONSTRUCT 5' CURB AND GUTTER TRANSITION TO MATCH EXISTING.	3/22
12	CONSTRUCT AC PAVEMENT REPAIR.	5/24
13	REMOVE AND REPLACE EXISTING METER BOX AND LID AND ADJUST TO GRADE. EXISTING BOX MAY BECOME PROPERTY OF THE OWNER AT THE OWNER'S OPTION.	2/26
14	REMOVE AND REPLACE EXISTING CLEANOUT BOX AND ADJUST TO GRADE. IF NO CLEANOUT BOX EXISTS INSTALL NEW BOX AND ADJUST CLEANOUT AS NECESSARY.	3/26



VERMONT AVENUE
STATION 20+00 - 22+10

VERMONT AVENUE
STATION 22+10 - 24+20

CONSTRUCT RESIDENTIAL DRIVEWAY	1	EA
CONSTRUCT CURB AND GUTTER	16	LF
CONSTRUCT SIDEWALK	2,340	SF
CONSTRUCT AC PAVEMENT REPAIR	60	SF



Jun 27 2019 - 10:18pm
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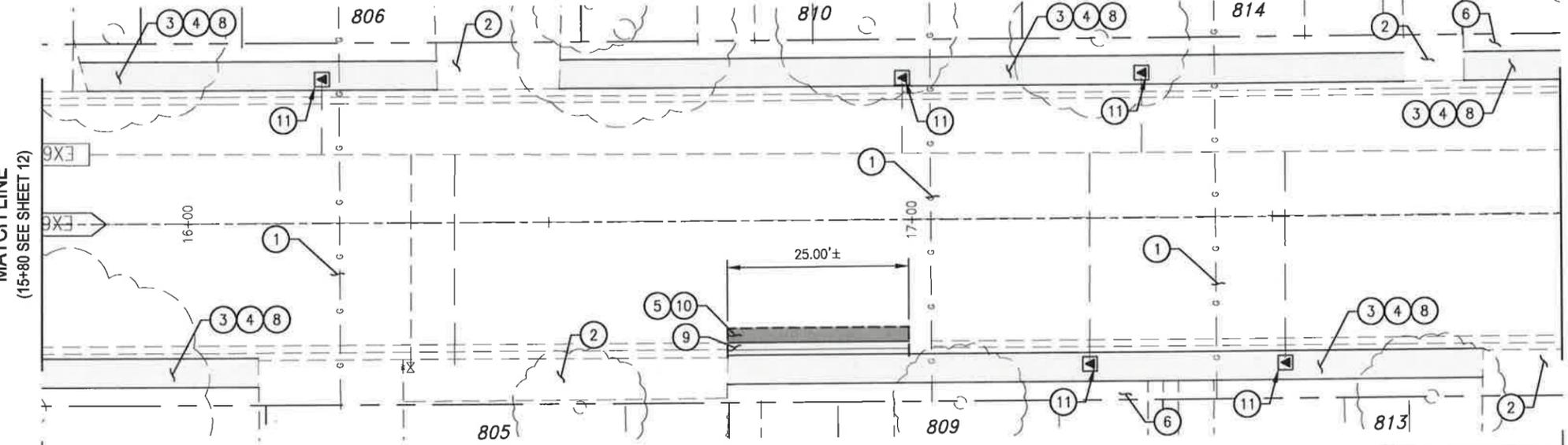
REV	DATE	DESCRIPTION	APPR
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GOUVEIA ENGINEERING, INC.
CONSULTING ENGINEERS
456 Sixth Street • Gustine, California 95322
Telephone (209) 854-3300 • Fax (209) 854-3600

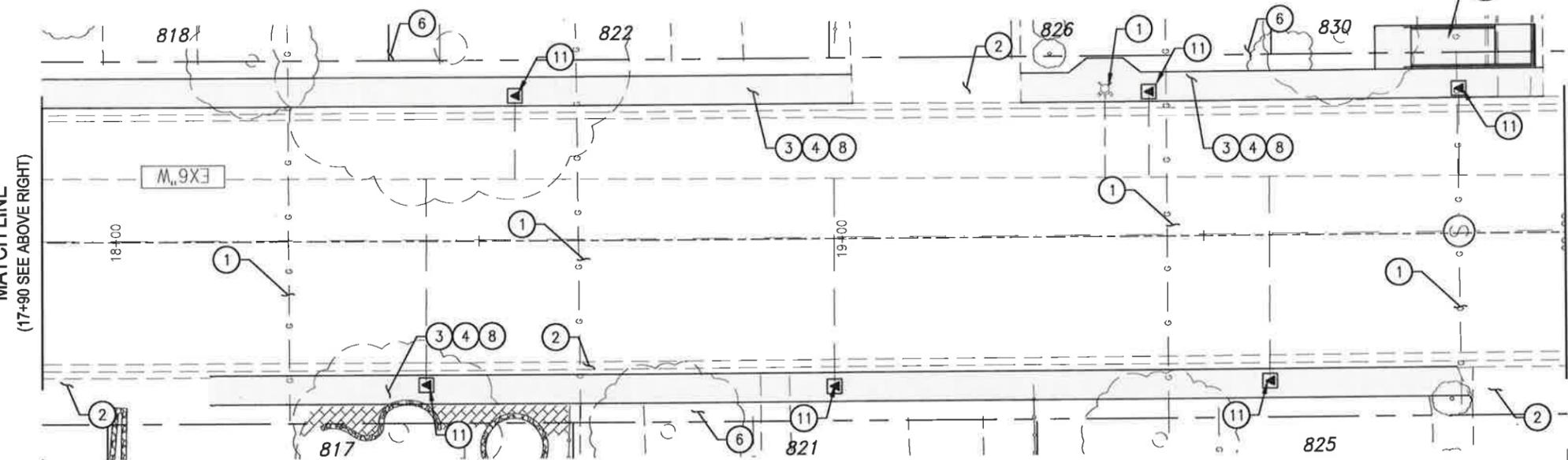
City of Los Banos
Fire Stations 1 and 2 ADA and "State Streets" Sidewalk Improvements
VERMONT AVENUE IMPROVEMENTS
STATION: 20+00 - 24+20

DESIGNED BY	DATE	DATE	DRAWING
MBG	06/22/19		C-111
DRAWN BY	MVP, NF, DGR	06/26/19	SHEET
CHECKED BY	M. Gouveia	06/26/19	11
APPROVED	M. Gouveia	06/26/19	OF 27 SHEETS
			PROJECT NUMBER 825.03/845.05



EXISTING SPRINKLERS TO BE RELOCATED OUTSIDE OF PROPOSED IMPROVEMENTS.

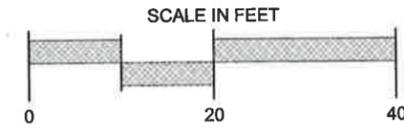
PENNSYLVANIA AVENUE
STATION 15+80 - 17+90



EXISTING SPRINKLERS TO BE RELOCATED OUTSIDE OF PROPOSED IMPROVEMENTS.

PENNSYLVANIA AVENUE
STATION 15+80 - 20+00

ESTIMATED QUANTITIES	
CONSTRUCT CURB AND GUTTER	25 LF
CONSTRUCT SIDEWALK	2,700 SF
CONSTRUCT AC PAVEMENT REPAIR	50 SF



CONSTRUCTION NOTES		REFERENCE DETAIL
1	LOCATE AND PROTECT EXISTING UTILITIES IN PLACE.	
2	EXISTING CONCRETE IMPROVEMENTS TO REMAIN IN PLACE AND BE PROTECTED.	
3	REMOVE EXISTING GRASS, TREE(S), STUMP(S), AND ROOT SYSTEM AS REQUIRED TO ACCOMMODATE THE PROPOSED IMPROVEMENTS.	
4	REMOVE EXISTING HARDSCAPE IMPROVEMENTS AS NECESSARY TO ACCOMMODATE THE PROPOSED IMPROVEMENTS. CONCRETE TO BE REMOVED TO THE NEAREST PANELS JOINT. ABUTTING CONCRETE EDGE SHALL BE SAWCUT AND PREPARED FOR AN EXPANSION JOINT AND DOWELING.	
5	SAWCUT AND REMOVE EXISTING AC AS NECESSARY TO ACCOMMODATE THE PROPOSED IMPROVEMENTS.	
6	GRADE EXISTING TO CONFORM TO THE PROPOSED IMPROVEMENTS.	
7	REMOVE EXISTING RAMP CONCRETE AND RAILING AS REQUIRED TO CONSTRUCT THE PROPOSED RAMP IMPROVEMENTS.	4/23
8	CONSTRUCT 4' WIDE CONCRETE SIDEWALK. WHERE REQUIRED CONSTRUCT DRIVEWAY/PATHWAY TRANSITION(S).	2/22
9	CONSTRUCT NEW CURB AND GUTTER DOWELED INTO THE EXISTING CURB AND GUTTER. CURB TYPE TO MATCH EXISTING. MEET AND MATCH EXISTING IMPROVEMENTS AT EITHER END.	1/22
10	CONSTRUCT AC PAVEMENT REPAIR.	5/24
11	REMOVE AND REPLACE EXISTING METER BOX AND LID AND ADJUST TO GRADE. EXISTING BOX MAY BECOME PROPERTY OF THE OWNER AT THE OWNER'S OPTION.	2/26



Jun 28, 2019 - 8:29am V:\CL\19050505\gouvia\19050505-112.dwg

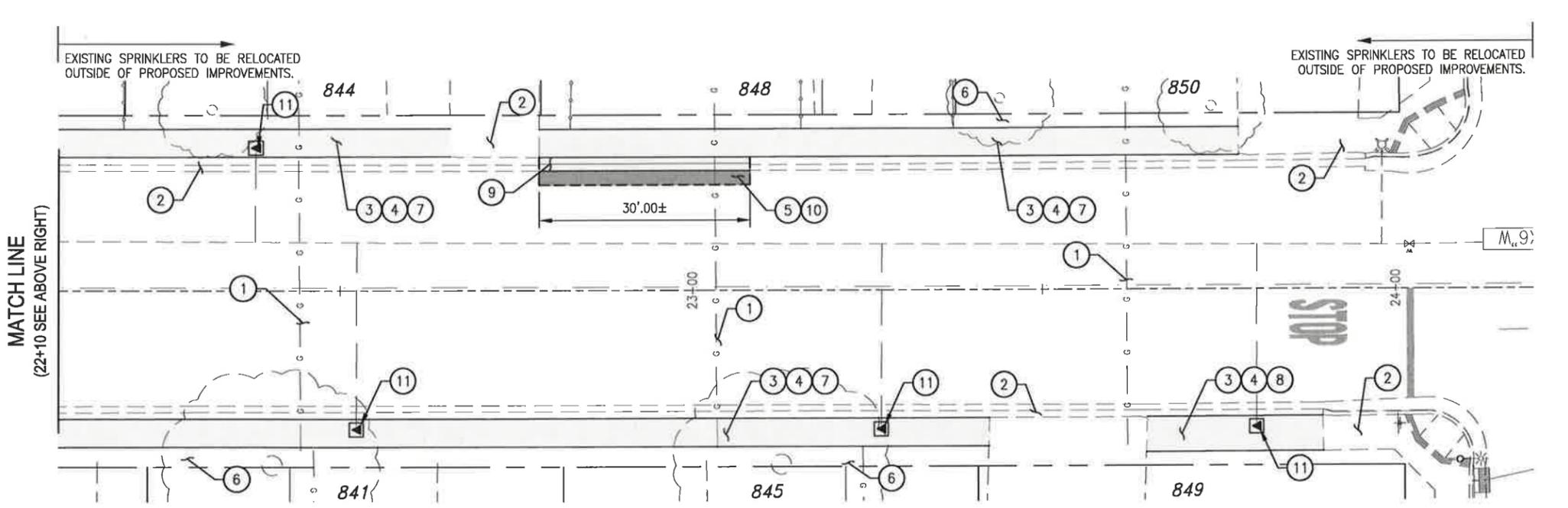
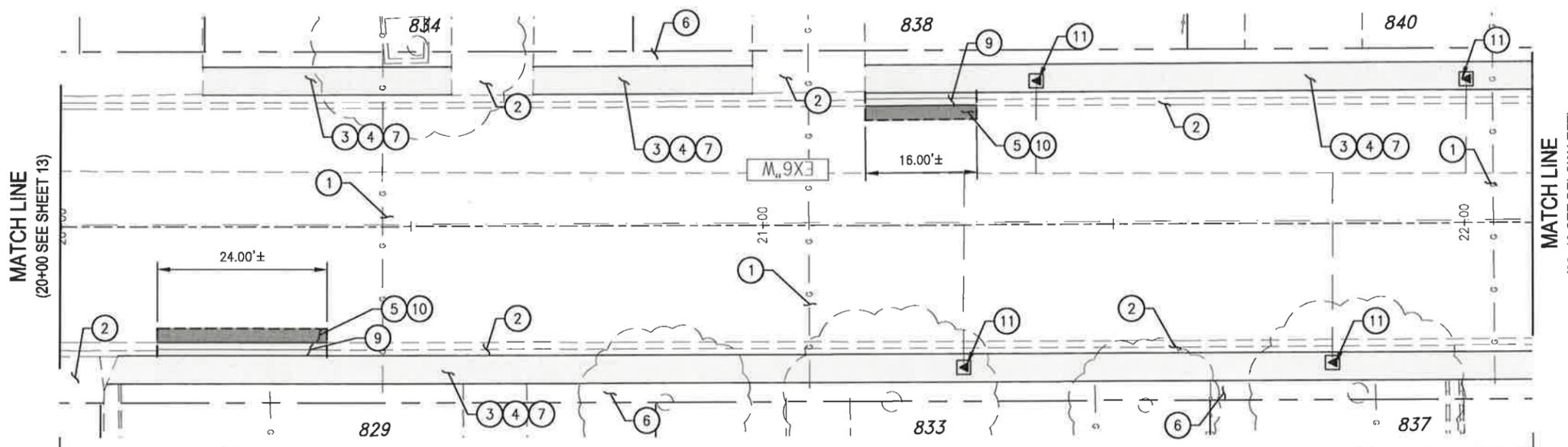
REV	DATE	DESCRIPTION	APPR
1			

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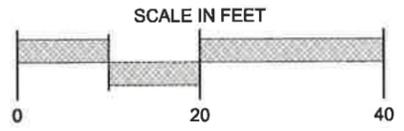
City of Los Banos
Fire Stations 1 and 2 ADA and "State Streets" Sidewalk Improvements
PENNSYLVANIA AVENUE IMPROVEMENTS
STATION: 15+80 - 20+00

DESIGNED BY	DATE	DRAWING
MBG	06/22/19	C-113
DRAWN BY	DATE	SHEET
MVP, NF, DGR	06/26/19	13
CHECKED BY	DATE	OF 27 SHEETS
M. Gouveia	06/26/19	PROJECT NUMBER
APPROVED	DATE	825.03/845.05
M. Gouveia	06/26/19	



CONSTRUCTION NOTES		REFERENCE DETAIL
1	LOCATE AND PROTECT EXISTING UTILITIES IN PLACE.	
2	EXISTING CONCRETE IMPROVEMENTS TO REMAIN IN PLACE AND BE PROTECTED.	
3	REMOVE EXISTING GRASS, TREE(S), STUMP(S), AND ROOT SYSTEM AS REQUIRED TO ACCOMMODATE THE PROPOSED IMPROVEMENTS.	
4	REMOVE EXISTING HARDSCAPE IMPROVEMENTS AS NECESSARY TO ACCOMMODATE THE PROPOSED IMPROVEMENTS. CONCRETE TO BE REMOVED TO THE NEAREST PANELS JOINT. ABUTTING CONCRETE EDGE SHALL BE SAWCUT AND PREPARED FOR AN EXPANSION JOINT AND DOWELING.	
5	SAWCUT AND REMOVE EXISTING AC AS NECESSARY TO ACCOMMODATE THE PROPOSED IMPROVEMENTS.	
6	GRADE EXISTING TO CONFORM TO THE PROPOSED IMPROVEMENTS.	
7	CONSTRUCT 4' WIDE CONCRETE SIDEWALK. WHERE REQUIRED CONSTRUCT DRIVEWAY/PATHWAY TRANSITION(S). TRANSITION SIDEWALK TO MEET AND MATCH EXISTING IMPROVEMENTS.	2/22
8	CONSTRUCT 5' WIDE CONCRETE SIDEWALK. WHERE REQUIRED CONSTRUCT DRIVEWAY/PATHWAY TRANSITION(S). TRANSITION SIDEWALK TO MEET AND MATCH EXISTING IMPROVEMENTS.	2/22
9	CONSTRUCT NEW CURB AND GUTTER DOWELED INTO THE EXISTING CURB AND GUTTER. CURB TYPE TO MATCH EXISTING. MEET AND MATCH EXISTING IMPROVEMENTS AT EITHER END.	1/22
10	CONSTRUCT AC PAVEMENT REPAIR.	5/24
11	REMOVE AND REPLACE EXISTING METER BOX AND LID AND ADJUST TO GRADE. EXISTING BOX MAY BECOME PROPERTY OF THE OWNER AT THE OWNER'S OPTION.	2/26

ESTIMATED QUANTITIES	
CONSTRUCT CURB AND GUTTER	70 LF
CONSTRUCT SIDEWALK	2,736 SF
CONSTRUCT AC PAVEMENT REPAIR	140 SF



Jun 27, 2019 - 11:32pm
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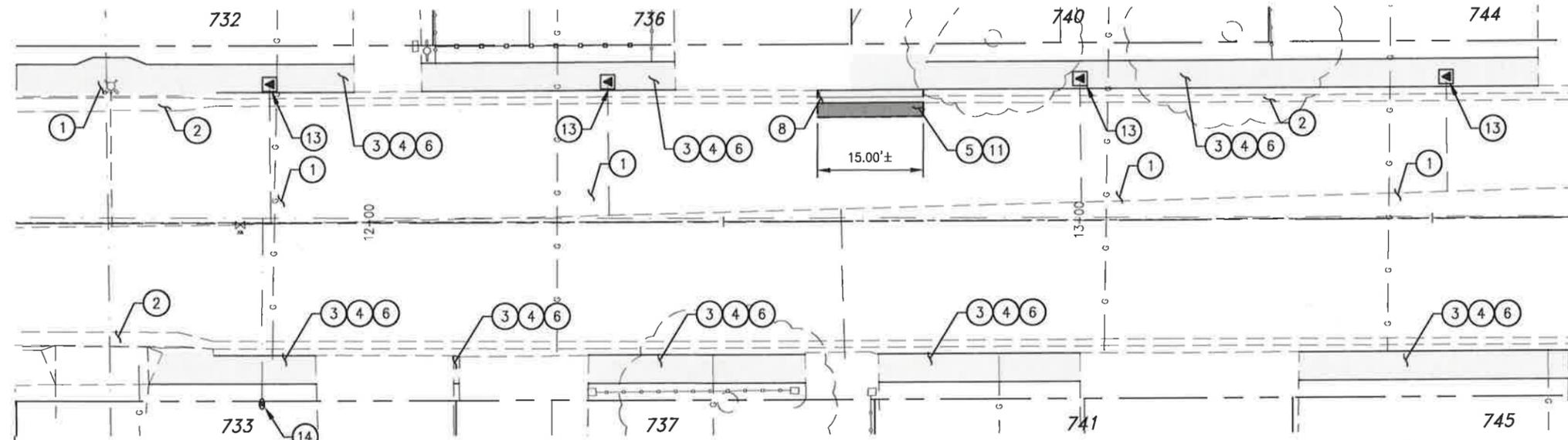
REV	DATE	DESCRIPTION	APPR

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City of Los Banos
Fire Stations 1 and 2 ADA and "State Streets" Sidewalk Improvements
PENNSYLVANIA AVENUE IMPROVEMENTS
STATION: 20+00 - 24+20

DESIGNED BY MBG	DATE 06/22/19	DRAWING C-114
DRAWN BY MVP, NF, DGR	DATE 06/26/19	SHEET 14
CHECKED BY M. Gouveia	DATE 06/26/19	OF 27 SHEETS
APPROVED M. Gouveia	DATE 06/26/19	PROJECT NUMBER 825.03/845.05



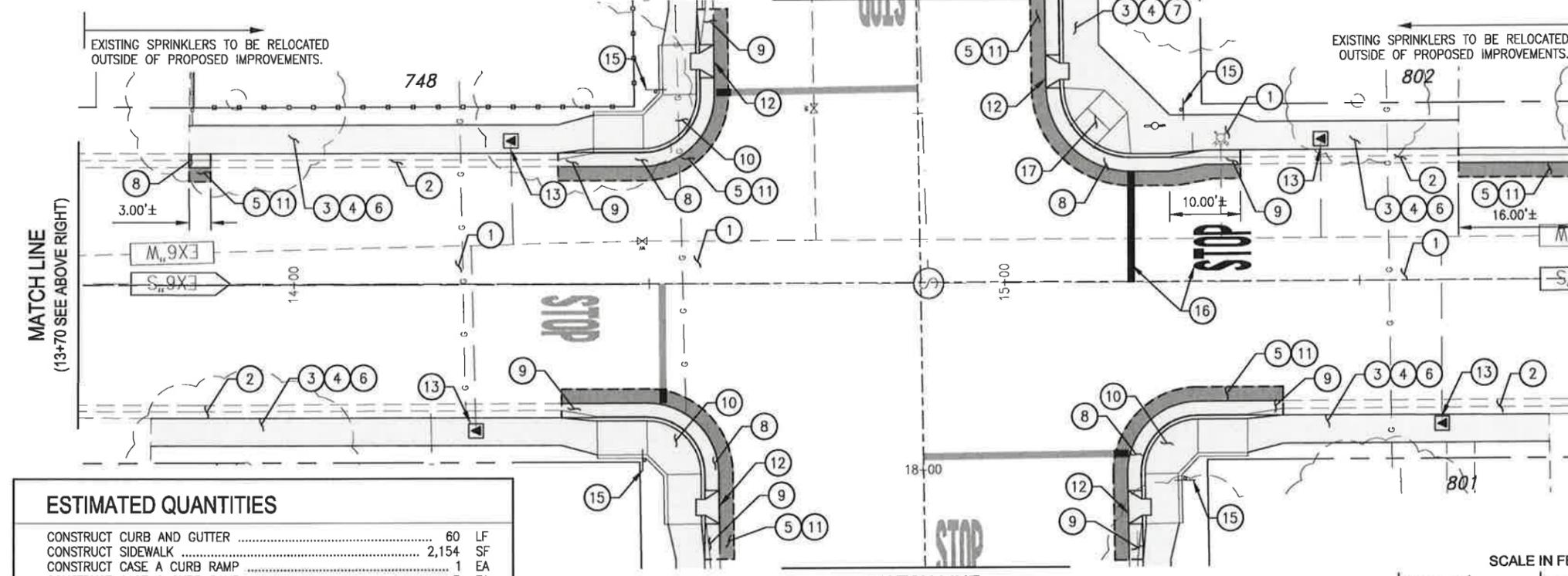
EXISTING SPRINKLERS TO BE RELOCATED OUTSIDE OF PROPOSED IMPROVEMENTS.

EXISTING SPRINKLERS TO BE RELOCATED OUTSIDE OF PROPOSED IMPROVEMENTS.

MARYLAND AVENUE
STATION 11+50 - 15+80

MATCH LINE
(13+70 SEE BELOW LEFT)

MATCH LINE
(18+70 PINE ST SEE SHEET 21)



MATCH LINE
(13+70 SEE ABOVE RIGHT)

MATCH LINE
(15+80 SEE SHEET 17)

MATCH LINE
(17+75 PINE ST SEE SHEET 20)

ESTIMATED QUANTITIES

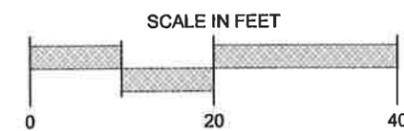
CONSTRUCT CURB AND GUTTER	60	LF
CONSTRUCT SIDEWALK	2,154	SF
CONSTRUCT CASE A CURB RAMP	1	EA
CONSTRUCT CASE C CURB RAMP	3	EA
CONSTRUCT AC PAVEMENT REPAIR	120	SF
CONSTRUCT CATCH BASIN	4	EA
INSTALL SIGN	4	EA

CONSTRUCTION NOTES

- LOCATE AND PROTECT EXISTING UTILITIES IN PLACE.
- EXISTING CONCRETE IMPROVEMENTS TO REMAIN IN PLACE AND BE PROTECTED.
- REMOVE EXISTING GRASS, TREE(S), STUMP(S), AND ROOT SYSTEM AS REQUIRED TO ACCOMMODATE THE PROPOSED IMPROVEMENTS.
- REMOVE EXISTING HARDSCAPE IMPROVEMENTS AS NECESSARY TO ACCOMMODATE THE PROPOSED IMPROVEMENTS. CONCRETE TO BE REMOVED TO THE NEAREST PANELS JOINT. ABUTTING CONCRETE EDGE SHALL BE SAWCUT AND PREPARED FOR AN EXPANSION JOINT AND DOWELING.
- SAWCUT AND REMOVE EXISTING AC AS NECESSARY TO ACCOMMODATE THE PROPOSED IMPROVEMENTS.
- CONSTRUCT 4' WIDE CONCRETE SIDEWALK. WHERE REQUIRED CONSTRUCT DRIVEWAY/PATHWAY TRANSITION(S). TRANSITION SIDEWALK TO MEET AND MATCH EXISTING IMPROVEMENTS.
- CONSTRUCT 5' WIDE CONCRETE SIDEWALK. WHERE REQUIRED CONSTRUCT DRIVEWAY/PATHWAY TRANSITION(S).
- CONSTRUCT NEW CURB AND GUTTER DOWELED INTO THE EXISTING CURB AND GUTTER. CURB TYPE TO MATCH EXISTING. MEET AND MATCH EXISTING IMPROVEMENTS AT EITHER END.
- CONSTRUCT 5' CURB AND GUTTER TRANSITION TO MATCH EXISTING.
- CONSTRUCT CASE C CURB CUT RAMP.
- CONSTRUCT AC PAVEMENT REPAIR.
- REMOVE EXISTING STORM DRAIN CATCH BASIN. CONSTRUCT NEW CATCH BASIN IN NEW LOCATION AND CONNECT TO EXISTING PIPING.
- REMOVE AND REPLACE EXISTING METER BOX AND LID AND ADJUST TO GRADE. EXISTING BOX MAY BECOME PROPERTY OF THE OWNER AT THE OWNER'S OPTION.
- REMOVE AND REPLACE EXISTING CLEANOUT BOX AND ADJUST TO GRADE. IF NO CLEANOUT BOX EXISTS INSTALL NEW BOX AND ADJUST CLEANOUT AS NECESSARY.
- REMOVE EXISTING POST, SALVAGE EXISTING SIGN(S) FOR REINSTALLATION. RELOCATE SIGN OUTSIDE OF THE PROPOSED IMPROVEMENTS AND INSTALL SALVAGED SIGN(S) ON NEW BREAKAWAY POST.
- REMOVE EXISTING STOP MARKING AND STOP MARKING. INSTALL NEW STOP MARKING AND STOP BAR TO ALIGN WITH RAMP IMPROVEMENTS.
- CONSTRUCT CASE A CURB CUT RAMP.

REFERENCE DETAIL

2	22
2	22
1	22
3	22
3	23
5	24
1	26
2	26
3	26
4	24
1	23



REV	DATE	DESCRIPTION	APPR

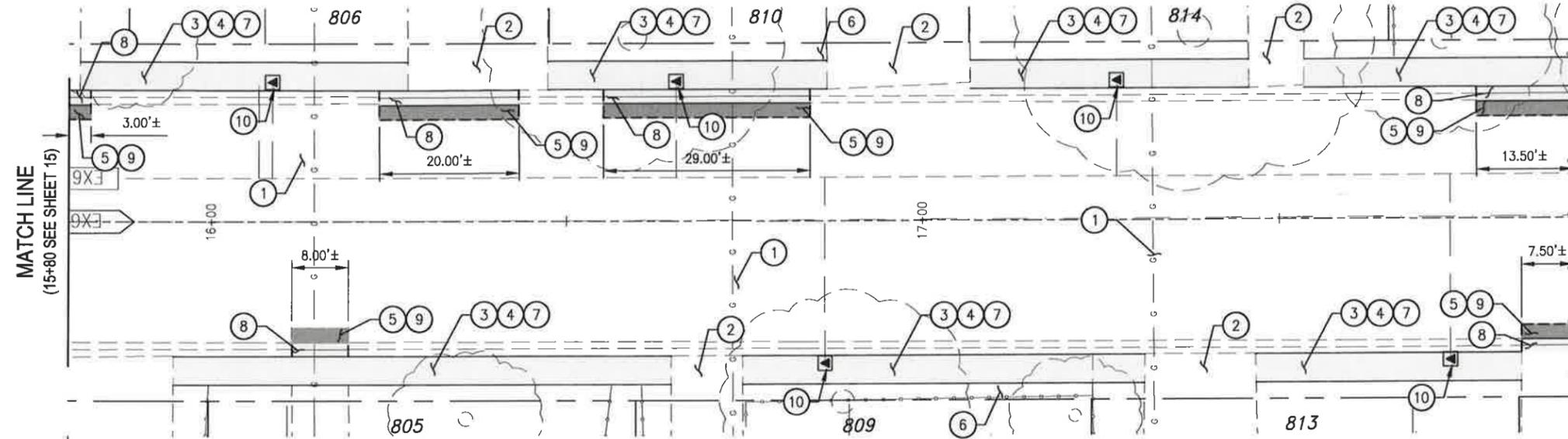
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City of Los Banos
Fire Stations 1 and 2 ADA and "State Streets" Sidewalk Improvements
MARYLAND AVENUE IMPROVEMENTS
STATION: 11+50 - 15+80

DESIGNED BY	DATE	DRAWING
MBC	06/22/19	C-115
DRAWN BY	DATE	SHEET
MVP, NF, DGR	06/26/19	15
CHECKED BY	DATE	OF 27 SHEETS
M. Gouveia	06/26/19	PROJECT NUMBER
APPROVED	DATE	825.03/845.05
M. Gouveia	06/26/19	

Jun 28, 2019 - 12:18am
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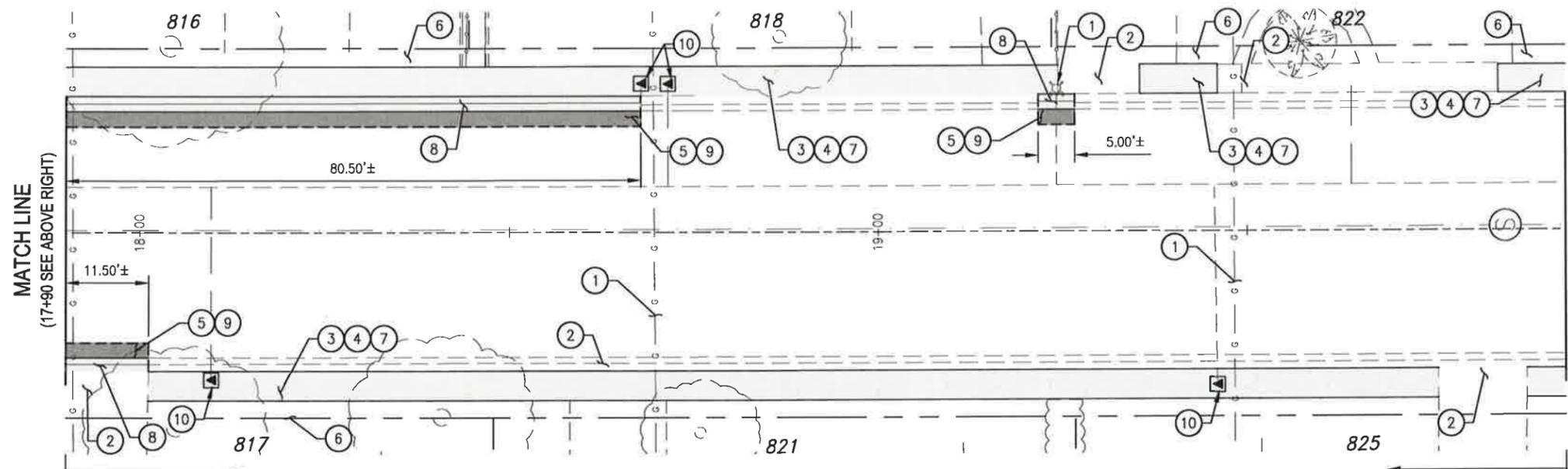


EXISTING SPRINKLERS TO BE RELOCATED OUTSIDE OF PROPOSED IMPROVEMENTS.

EXISTING SPRINKLERS TO BE RELOCATED OUTSIDE OF PROPOSED IMPROVEMENTS.

MARYLAND AVENUE
STATION 15+80 - 17+90

CONSTRUCTION NOTES		REFERENCE DETAIL
1	LOCATE AND PROTECT EXISTING UTILITIES IN PLACE.	
2	EXISTING CONCRETE IMPROVEMENTS TO REMAIN IN PLACE AND BE PROTECTED.	
3	REMOVE EXISTING GRASS, TREE(S), STUMP(S), AND ROOT SYSTEM AS REQUIRED TO ACCOMMODATE THE PROPOSED IMPROVEMENTS.	
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6	GRADE EXISTING TO CONFORM TO THE PROPOSED IMPROVEMENTS.	
7	CONSTRUCT 4' WIDE CONCRETE SIDEWALK. WHERE REQUIRED CONSTRUCT DRIVEWAY/PATHWAY TRANSITION(S).	2/22
8	CONSTRUCT NEW CURB AND GUTTER DOWELED INTO THE EXISTING CURB AND GUTTER. CURB TYPE TO MATCH EXISTING. MEET AND MATCH EXISTING IMPROVEMENTS AT EITHER END.	1/22
9	CONSTRUCT AC PAVEMENT REPAIR.	5/24
10	REMOVE AND REPLACE EXISTING METER BOX AND LID AND ADJUST TO GRADE. EXISTING BOX MAY BECOME PROPERTY OF THE OWNER AT THE OWNER'S OPTION.	2/26

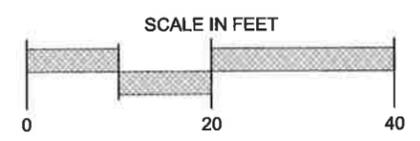


EXISTING SPRINKLERS TO BE RELOCATED OUTSIDE OF PROPOSED IMPROVEMENTS.

EXISTING SPRINKLERS TO BE RELOCATED OUTSIDE OF PROPOSED IMPROVEMENTS.

MARYLAND AVENUE
STATION 15+80 - 20+00

ESTIMATED QUANTITIES	
CONSTRUCT CURB AND GUTTER	178 LF
CONSTRUCT SIDEWALK	2,629 SF
CONSTRUCT AC PAVEMENT REPAIR	356 SF



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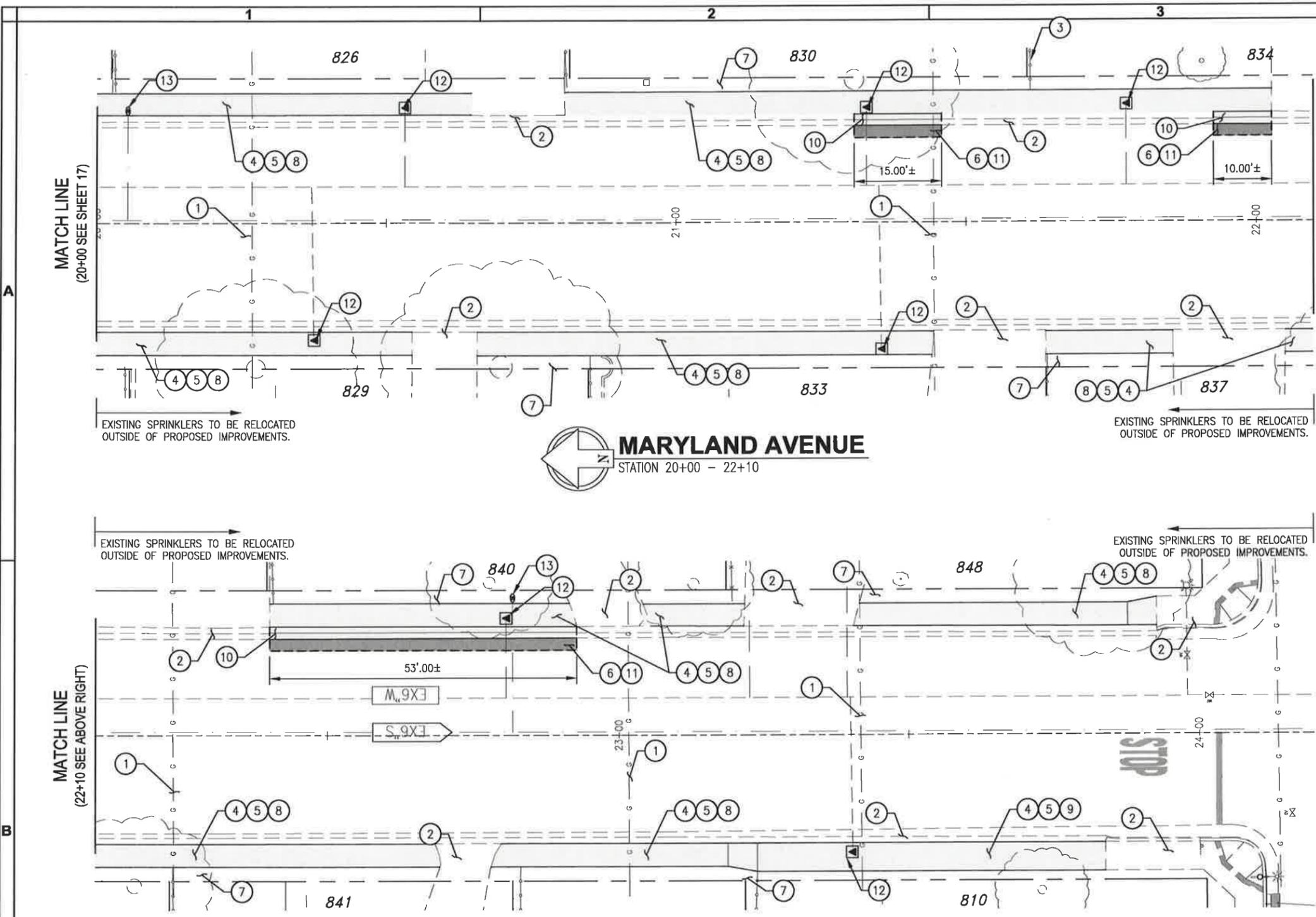
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City of Los Banos
Fire Stations 1 and 2 ADA and "State Streets" Sidewalk Improvements
MARYLAND AVENUE IMPROVEMENTS
STATION: 15+80 - 20+00

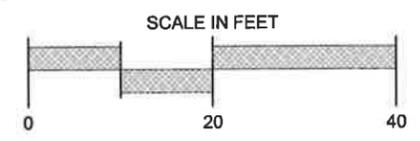
DESIGNED BY MBG	DATE 06/22/19	DRAWING C-116
DRAWN BY MVP, NF, DGR	DATE 06/26/19	SHEET 16
CHECKED BY M. Gouveia	DATE 06/26/19	OF 27 SHEETS
APPROVED M. Gouveia	DATE 06/26/19	PROJECT NUMBER 825.03/845.05



CONSTRUCTION NOTES		REFERENCE DETAIL
1	LOCATE AND PROTECT EXISTING UTILITIES IN PLACE.	
2	EXISTING CONCRETE IMPROVEMENTS TO REMAIN IN PLACE AND BE PROTECTED.	
3	EXISTING FENCING/WALL TO REMAIN IN PLACE AND BE PROTECTED.	
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9	CONSTRUCT 5' WIDE CONCRETE SIDEWALK. WHERE REQUIRED CONSTRUCT DRIVEWAY/PATHWAY TRANSITION(S). TRANSITION SIDEWALK TO MEET AND MATCH EXISTING IMPROVEMENTS.	2/22
10	CONSTRUCT NEW CURB AND GUTTER DOWELED INTO THE EXISTING CURB AND GUTTER. CURB TYPE TO MATCH EXISTING. MEET AND MATCH EXISTING IMPROVEMENTS AT EITHER END.	1/22
11	CONSTRUCT AC PAVEMENT REPAIR.	5/24
12	REMOVE AND REPLACE EXISTING METER BOX AND LID AND ADJUST TO GRADE. EXISTING BOX MAY BECOME PROPERTY OF THE OWNER AT THE OWNER'S OPTION.	2/26
13	REMOVE AND REPLACE EXISTING CLEANOUT BOX AND ADJUST TO GRADE. IF NO CLEANOUT BOX EXISTS INSTALL NEW BOX AND ADJUST CLEANOUT AS NECESSARY.	3/26

ESTIMATED QUANTITIES	
CONSTRUCT CURB AND GUTTER	78 LF
CONSTRUCT SIDEWALK	2,572 SF
CONSTRUCT AC PAVEMENT REPAIR	156 SF

MARYLAND AVENUE
STATION 22+10 - 24+20



Jun 27 2019 - 10:28am V:\CL\B145\55\ad\plm\mets\6505C-115.dwg

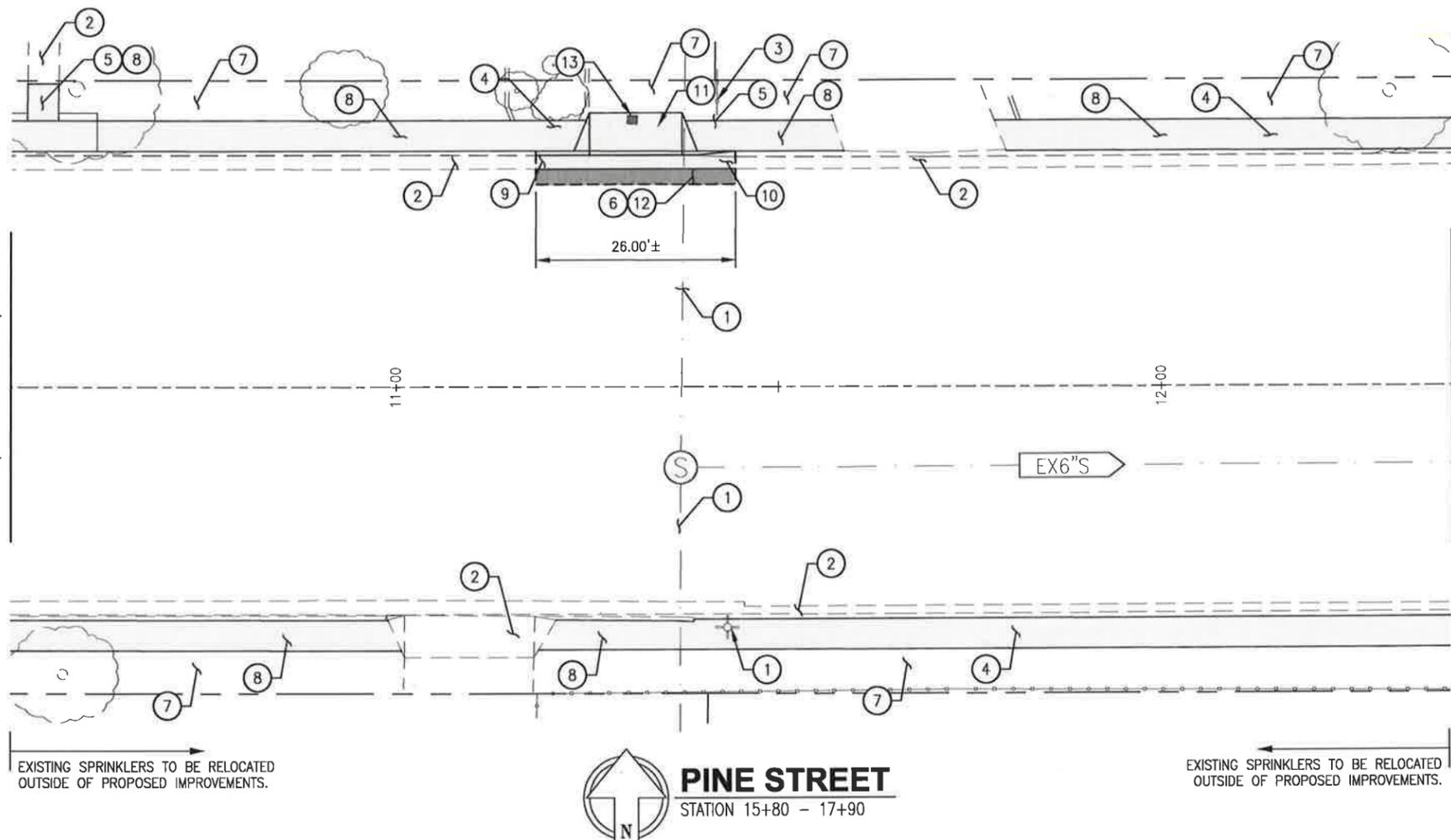
REV	DATE	DESCRIPTION	APPR
1			

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City of Los Banos
Fire Stations 1 and 2 ADA and "State Streets" Sidewalk Improvements
MARYLAND AVENUE IMPROVEMENTS
STATION: 20+00 - 24+20

DESIGNED BY	DATE	DRAWING
MBG	06/22/19	C-117
DRAWN BY	DATE	SHEET
MVP, NF, DGR	06/26/19	17
CHECKED BY	DATE	OF 27 SHEETS
M. Gouveia	06/26/19	PROJECT NUMBER
APPROVED	DATE	825.03/845.05
M. Gouveia	06/26/19	



CONSTRUCTION NOTES		REFERENCE DETAIL
①	LOCATE AND PROTECT EXISTING UTILITIES IN PLACE.	
②	EXISTING CONCRETE IMPROVEMENTS TO REMAIN IN PLACE AND BE PROTECTED.	
③	EXISTING FENCING/WALL TO REMAIN IN PLACE AND BE PROTECTED.	
④	REMOVE EXISTING GRASS, TREE(S), STUMP(S), AND ROOT SYSTEM AS REQUIRED TO ACCOMMODATE THE PROPOSED IMPROVEMENTS.	
⑤	REMOVE EXISTING HARDSCAPE IMPROVEMENTS AS NECESSARY TO ACCOMMODATE THE PROPOSED IMPROVEMENTS. CONCRETE TO BE REMOVED TO THE NEAREST PANELS JOINT. ABUTTING CONCRETE EDGE SHALL BE SAWCUT AND PREPARED FOR AN EXPANSION JOINT AND DOWELING.	
⑥	SAWCUT AND REMOVE EXISTING AC AS NECESSARY TO ACCOMMODATE THE PROPOSED IMPROVEMENTS.	
⑦	GRADE EXISTING TO CONFORM TO THE PROPOSED IMPROVEMENTS.	
⑧	CONSTRUCT 4' WIDE CONCRETE SIDEWALK. WHERE REQUIRED CONSTRUCT DRIVEWAY/PATHWAY TRANSITION(S).	② 22
⑨	CONSTRUCT NEW CURB AND GUTTER DOWELED INTO THE EXISTING CURB AND GUTTER. CURB TYPE TO MATCH EXISTING. MEET AND MATCH EXISTING IMPROVEMENTS AT EITHER END.	① 22
⑩	CONSTRUCT 5' CURB AND GUTTER TRANSITION TO MATCH EXISTING.	③ 22
⑪	CONSTRUCT RESIDENTIAL DRIVEWAY APPROACH WITH A 12' WIDE THROAT.	② 24
⑫	CONSTRUCT AC PAVEMENT REPAIR.	⑤ 24
⑬	ADJUST EXISTING CATCH BASIN LID TO GRADE.	

MATCH LINE
(10+50 SEE SHEET 7)

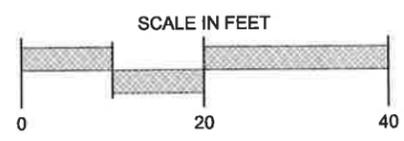
MATCH LINE
(12+40 SEE SHEET 9)

EXISTING SPRINKLERS TO BE RELOCATED OUTSIDE OF PROPOSED IMPROVEMENTS.

EXISTING SPRINKLERS TO BE RELOCATED OUTSIDE OF PROPOSED IMPROVEMENTS.



ESTIMATED QUANTITIES	
CONSTRUCT RESIDENTIAL DRIVEWAY	1 EA
CONSTRUCT CURB AND GUTTER	10 LF
CONSTRUCT SIDEWALK	1,293 SF
CONSTRUCT AC PAVEMENT REPAIR	52 SF



Jun 27, 2019 - 6:34pm
V:\C\1544\BIB\Drawings\1544SC-118.dwg

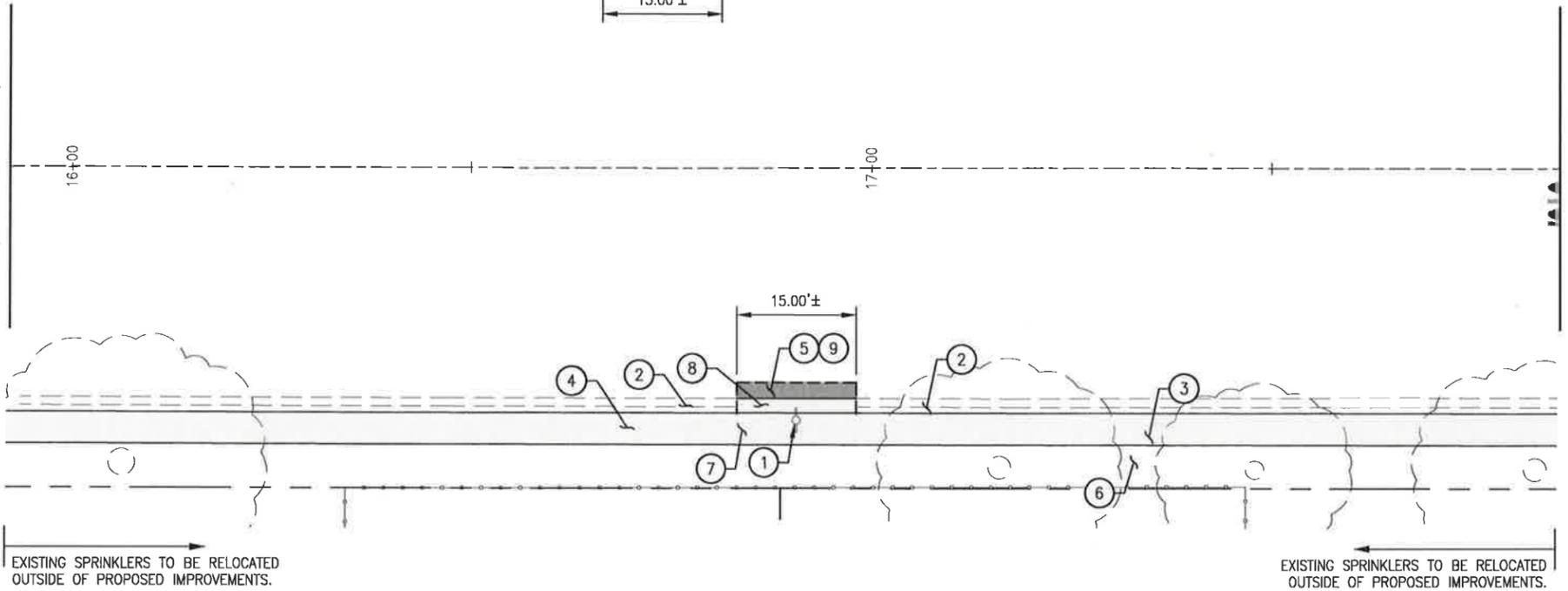
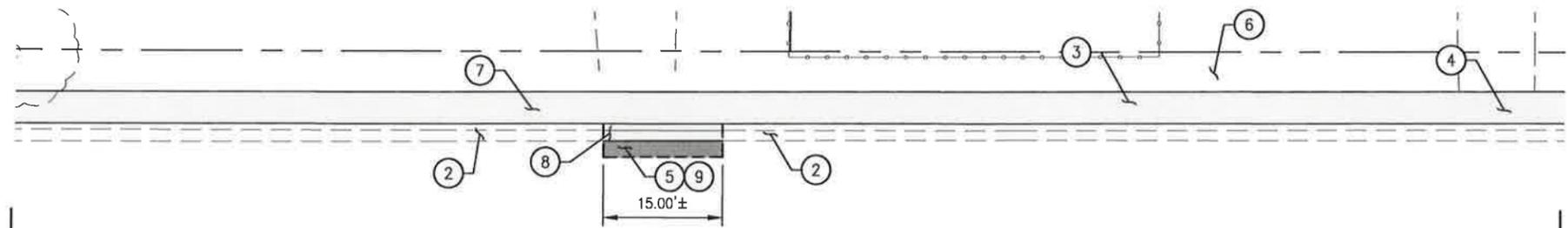
REV	DATE	DESCRIPTION	APPR

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CONSULTING ENGINEERS
456 Sixth Street • Gustine, California 95322
Telephone (209) 854-3300 • Fax (209) 854-3600

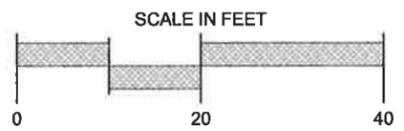
City of Los Banos
Fire Stations 1 and 2 ADA and "State Streets" Sidewalk Improvements
PINE STREET IMPROVEMENTS
STATION: 10+50 - 12+40

DESIGNED BY MBC	DATE 06/22/19	DRAWING C-118
DRAWN BY MVP, NF, DGR	DATE 06/26/19	
CHECKED BY M. Gouveia	DATE 06/26/19	SHEET 18
APPROVED M. Gouveia	DATE 06/26/19	OF 27 SHEETS PROJECT NUMBER 825.03/845.05



CONSTRUCTION NOTES		REFERENCE DETAIL
1	LOCATE AND PROTECT EXISTING UTILITIES IN PLACE.	
2	EXISTING CONCRETE IMPROVEMENTS TO REMAIN IN PLACE AND BE PROTECTED.	
3	REMOVE EXISTING GRASS, TREE(S), STUMP(S), AND ROOT SYSTEM AS REQUIRED TO ACCOMMODATE THE PROPOSED IMPROVEMENTS.	
4	REMOVE EXISTING HARDSCAPE IMPROVEMENTS AS NECESSARY TO ACCOMMODATE THE PROPOSED IMPROVEMENTS. CONCRETE TO BE REMOVED TO THE NEAREST PANELS JOINT. ABUTTING CONCRETE EDGE SHALL BE SAWCUT AND PREPARED FOR AN EXPANSION JOINT AND DOWELING.	
5	SAWCUT AND REMOVE EXISTING AC AS NECESSARY TO ACCOMMODATE THE PROPOSED IMPROVEMENTS.	
6	GRADE EXISTING TO CONFORM TO THE PROPOSED IMPROVEMENTS.	
7	CONSTRUCT 4' WIDE CONCRETE SIDEWALK. WHERE REQUIRED CONSTRUCT DRIVEWAY/PATHWAY TRANSITION(S).	2/22
8	CONSTRUCT NEW CURB AND GUTTER DOWELED INTO THE EXISTING CURB AND GUTTER. CURB TYPE TO MATCH EXISTING. MEET AND MATCH EXISTING IMPROVEMENTS AT EITHER END.	1/22
9	CONSTRUCT AC PAVEMENT REPAIR.	5/24

ESTIMATED QUANTITIES		
CONSTRUCT CURB AND GUTTER	30	LF
CONSTRUCT SIDEWALK	1,546	SF
CONSTRUCT AC PAVEMENT REPAIR	60	SF



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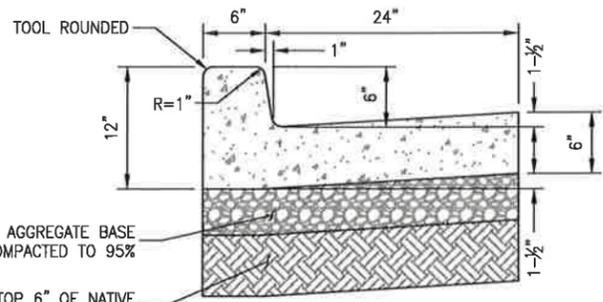
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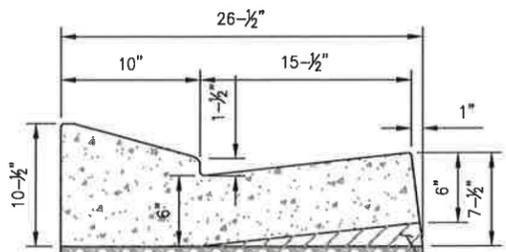
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City of Los Banos
Fire Stations 1 and 2 ADA and "State Streets" Sidewalk Improvements
PINE STREET IMPROVEMENTS
STATION: 15+90 - 17+75

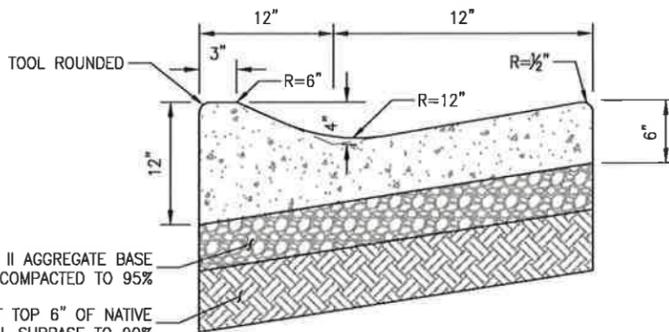
DESIGNED BY MBG	DATE 06/22/19	DRAWING C-120
DRAWN BY MVP, NF, DGR	DATE 06/26/19	SHEET 20
CHECKED BY M. Gouveia	DATE 06/26/19	OF 27 SHEETS
APPROVED M. Gouveia	DATE 06/26/19	PROJECT NUMBER 825.03/845.05



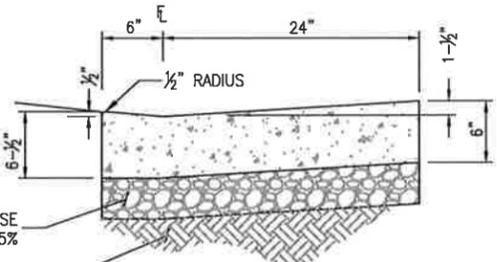
6" VERTICAL CURB



DRIVE-OVER CURB



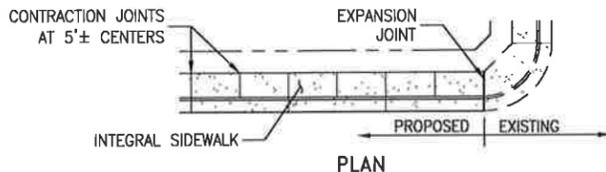
TYPE E CURB



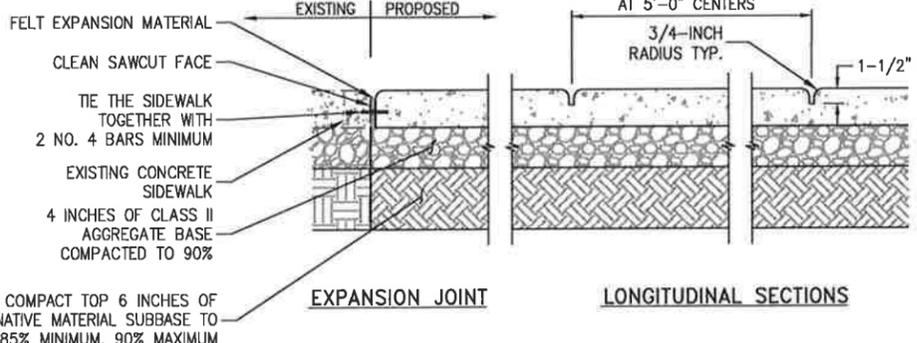
CURB CUT RAMP CURB

1 CURB AND GUTTER CONSTRUCTION

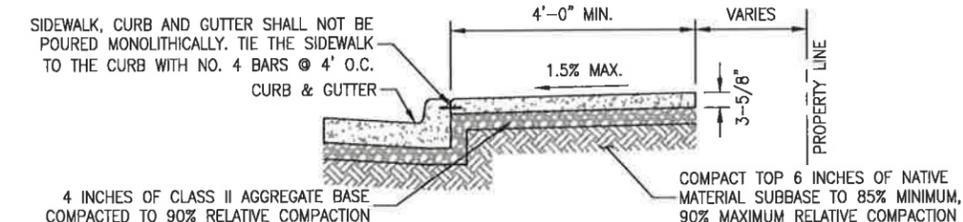
NOT TO SCALE



PLAN



LONGITUDINAL SECTIONS



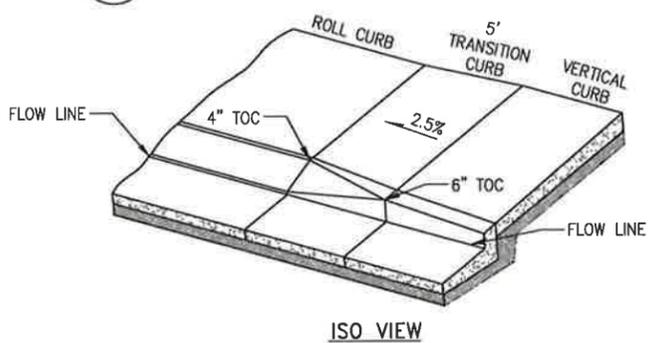
INTEGRAL SIDEWALK



ADA ACCESSIBLE PATH

2 SIDEWALK CONSTRUCTION

NOT TO SCALE



ISO VIEW

3 ROLL TO VERTICAL CURB TRANSITION

NOT TO SCALE

NOTES

- CURB, GUTTER, AND SIDEWALK**
- SOIL DENSITIES ARE EXPRESSED AS A PERCENTAGE OF MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D 1557.
 - CITY SHALL APPROVE SUBGRADE AND AGGREGATE BASE PRIOR TO PLACEMENT OF CONCRETE.
 - IMMEDIATELY PRIOR TO PLACEMENT OF CONCRETE THE GEOTECHNICAL ENGINEER SHALL CERTIFY THE MOISTURE CONTENT OF THE NATIVE MATERIAL SUBBASE HAS A MOISTURE CONTENT OF NOT LESS THAN 3%. IN ADDITION, AGGREGATE BASE SHALL HAVE A MOISTURE CONTENT AS SPECIFIED BY THE DIRECTOR.
 - EXISTING CURB HEIGHTS, GUTTER WIDTHS, BATTER, ETC. VARY. MATCH THE DIMENSIONS OF THE CURB AND GUTTER SECTIONS AT THE ENDS OF THE SECTIONS BEING REPLACED. THIS TRANSITION SHALL BE WITHIN 5' OF THE END OF THE CURB BEING INSTALLED.
 - CURB, GUTTER AND SIDEWALK SHALL NOT BE CONSTRUCTED MONOLITHICALLY. TIE THE SIDEWALK TO THE CURB WITH NO. 4 BARS AT 4' O.C.
 - EDGES TO HAVE 1/2 INCH RADIUS UNLESS SPECIFIED OTHERWISE.
 - WHEN BREAKING OUT EXISTING CONCRETE IMPROVEMENTS, CONCRETE SHALL BE REMOVED TO THE NEAREST CONTRACTION JOINT/SCORE LINE.
 - FOR SIDEWALK, CURB, AND GUTTER REPLACEMENT, 6 INCHES OF CLASS II AGGREGATE BASE COMPACTED TO 90% AND 95% RESPECTIVELY OVER UNDISTURBED NATIVE MATERIAL SUBBASE, MAY BE USED IN LIEU OF 4 INCHES OF CLASS II AGGREGATE BASE OVER 6 INCHES OF COMPACTED NATIVE MATERIAL SUBBASE.
 - EXPANSION JOINTS ARE REQUIRED AT ALL TRANSITIONS FROM EXISTING TO PROPOSED/NEW CONCRETE.



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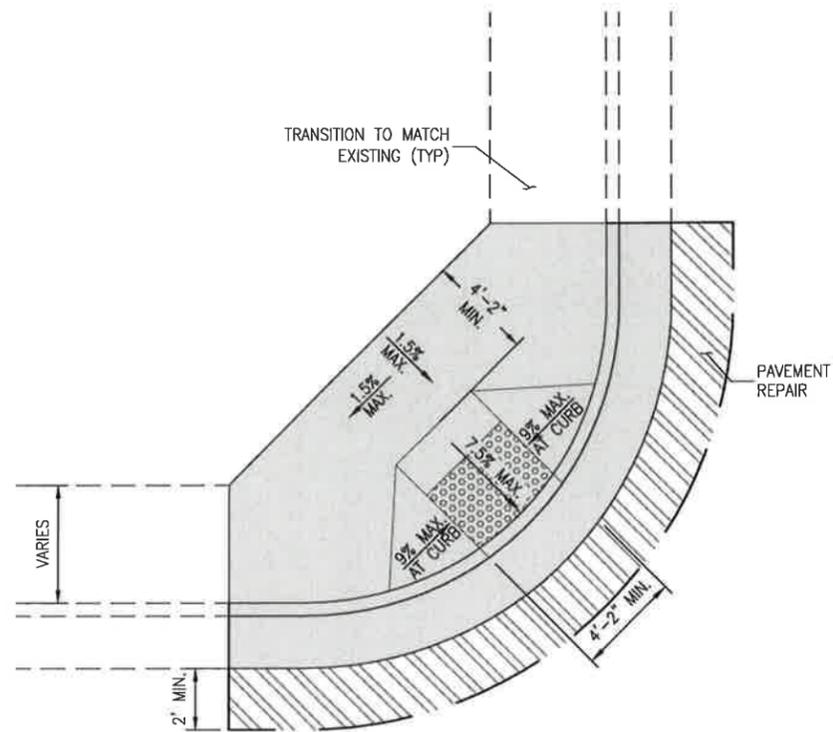
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City of Los Banos
Fire Stations 1 and 2 ADA and "State Streets" Sidewalk Improvements
SIDEWALK, CURB, AND GUTTER CONSTRUCTION DETAILS

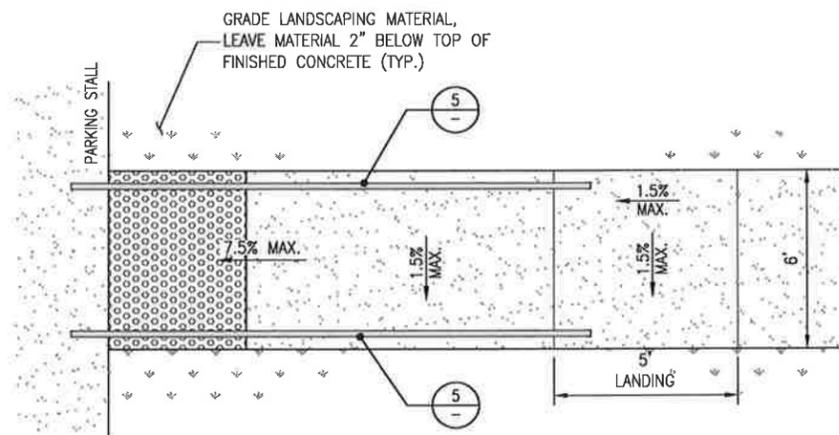
DESIGNED BY	DATE	DRAWING
MBG	06/22/19	C-122
DRAWN BY	DATE	SHEET
MVP, NF, DGR	06/26/19	22
CHECKED BY	DATE	OF 27 SHEETS
M. Gouveia	06/26/19	PROJECT NUMBER
APPROVED	DATE	825.03/845.05
M. Gouveia	06/26/19	

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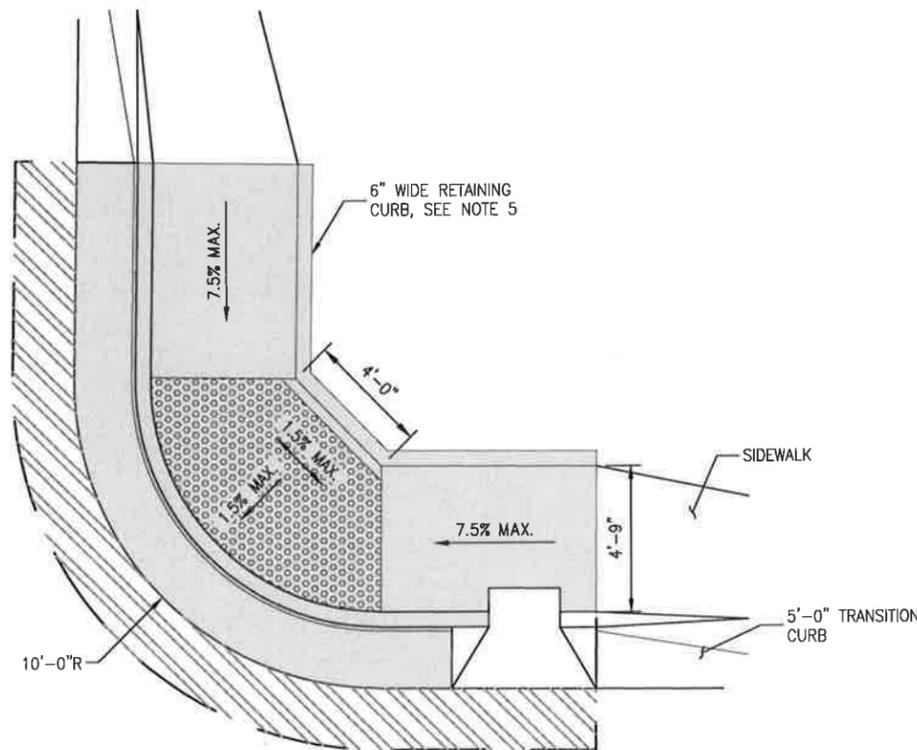


NOTE: SHADED AREA REPRESENTS THE AREA INCLUDED IN THE RAMP PAYMENT MEASUREMENT

1 CASE A CURB RAMP
NOT TO SCALE

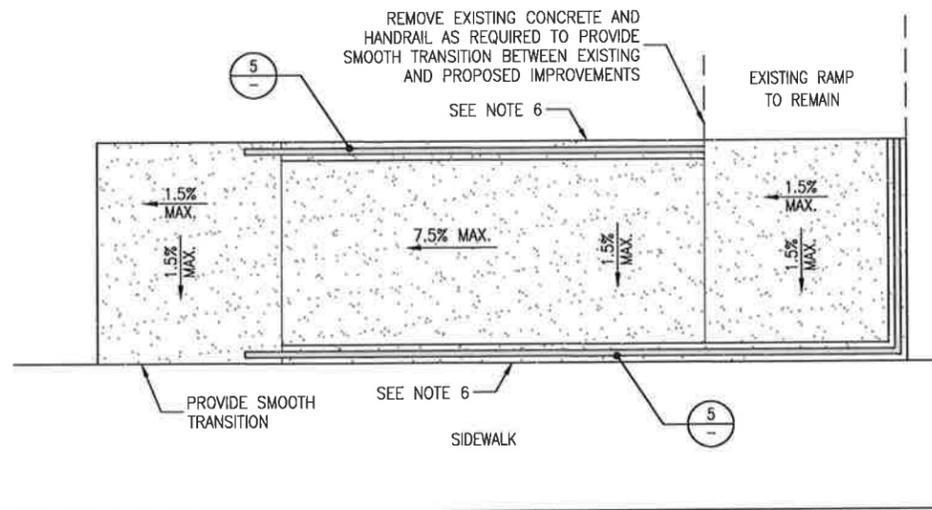


2 CASE F CURB RAMP
NOT TO SCALE



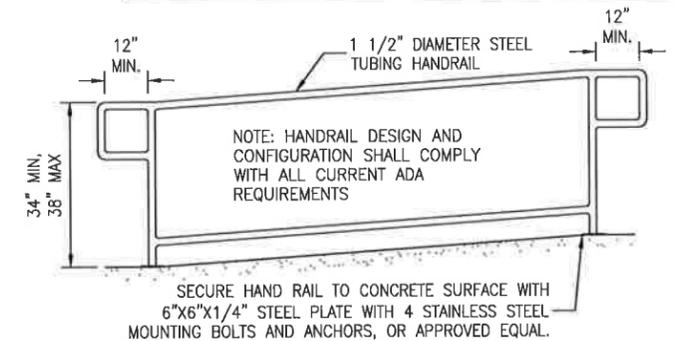
NOTE: SHADED AREA REPRESENTS THE AREA INCLUDED IN THE RAMP PAYMENT MEASUREMENT

3 CASE C CURB RAMP
NOT TO SCALE



4 RESIDENTIAL RAMP
NOT TO SCALE

- NOTES**
- CURB RAMPS**
- SIDEWALK AND CURB RAMP IN RETURN AREA SHALL BE 5-1/2" THICK MINIMUM.
 - TOP OF CURB SHALL BE FLUSH WITH GUTTER FLOWLINE AT RAMP.
 - PLACE 6" OF CLASS II AGGREGATE BASE COMPACTED TO 95% OVER 6" OF NATIVE MATERIAL SUBBASE COMPACTED TO 90% UNDER RAMP.
 - YELLOW DETECTABLE WARNING SURFACE (TRUNCATED DOMES) SHALL BE CAST IN PLACE UNITS AND SHALL EXTEND THE FULL WIDTH AND 3 FEET DEEP ON THE RAMP. PANELS SHALL MATCH THE BULB OUT RADIUS. THE DETECTABLE WARNING SURFACE SHALL MEET THE LATEST REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA). THE EDGE OF THE DETECTABLE WARNING SURFACE NEAREST THE STREET SHALL BE BETWEEN 6 INCHES AND 9 INCHES FROM THE GUTTER FLOW LINE.
 - 6" WIDE BY 12" DEEP CURB. TOP OF CURB SHALL BE FLUSH WITH RAMP LANDING AT SIDEWALK AND 6" ABOVE GUTTER FLOWLINE AT CURB AND GUTTER.
 - PROVIDE 6" WIDE BY 2" TALL CURB EDGING PROTECTION ALONG BOTH SIDES OF THE RESIDENTIAL RAMP AS REQUIRED PER CURRENT ADA REQUIREMENTS.
 - WHEN CONSTRUCTING A NEW CURB RAMP, SAWCUT TOP AND FACE OF CURB, GUTTER, AND SIDEWALK TO A MINIMUM DEPTH OF 2 INCHES PRIOR TO REMOVAL. CHIP CONCRETE TO A VERTICAL PLANE BELOW SAWCUT. ALSO, SAWCUT, REMOVE, AND REPLACE EXISTING AC IN FRONT OF RETURN OR RAMP AS REQUIRED BY PUBLIC WORKS DIRECTOR.
 - RAILING SHALL BE PAINTED WITH ONE COAT OF KOPPERS 622 RUST PENETRATING PRIMER OR EQUIVALENT, TO A MINIMUM DRY FILM THICKNESS OF 1.5 MILS AND 2 COAT OF KOPPERS GLAMORTEX 501 ENAMEL OR EQUIVALENT, EACH WITH A MINIMUM DRY FILM THICKNESS OF 1.4 MILS. COLOR SHALL BE SELECTED BY THE PUBLIC WORKS DIRECTOR.



5 TYPICAL RAILING DETAIL
NOT TO SCALE



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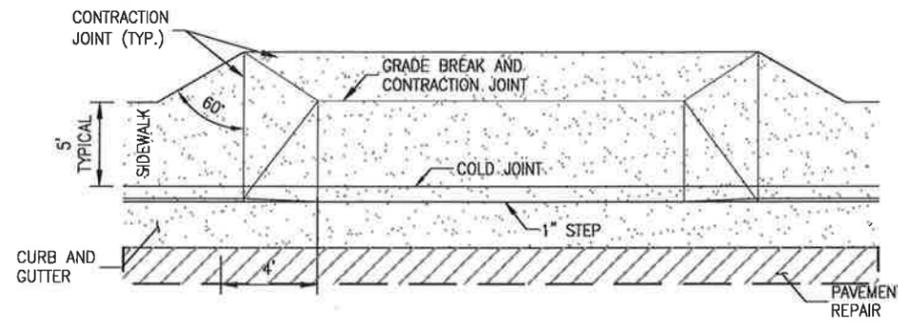
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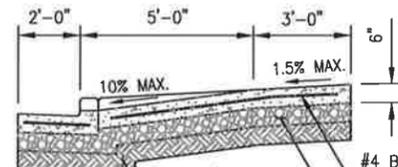
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City of Los Banos
Fire Stations 1 and 2 ADA and "State Streets" Sidewalk Improvements
RAMP AND RAILING DETAILS

DESIGNED BY	DATE	DRAWING
MBG	06/22/19	C-123
DRAWN BY	DATE	SHEET
MVP, NF, DGR	06/26/19	23
CHECKED BY	DATE	OF 27 SHEETS
M. Gouveia	06/26/19	PROJECT NUMBER
APPROVED	DATE	825.03/845.05
M. Gouveia	06/26/19	



PLAN

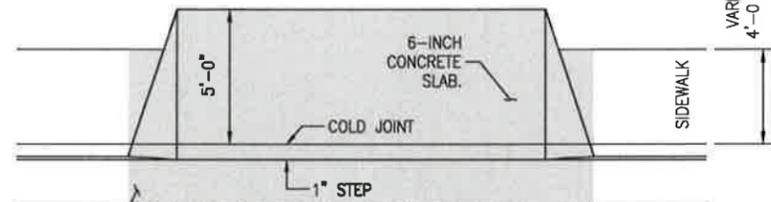


ELEVATION

COMPACT TOP 6 INCHES OF NATIVE MATERIAL SUBBASE TO 90% MAXIMUM
 #4 BARS @ 18" O.C. EACH WAY CENTERED IN DRIVEWAY
 4-INCHES OF CLASS II AGGREGATE BASE COMPACTED TO 95%

1 COMMERCIAL DRIVEWAY
 NOT TO SCALE

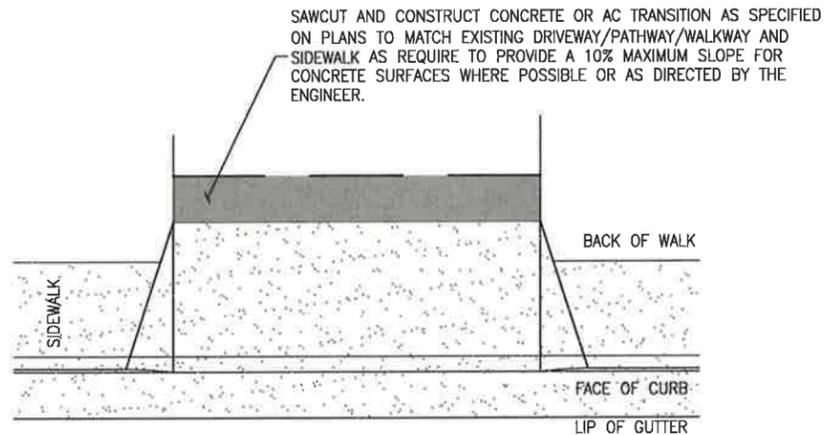
NOTE: SHADED AREA REPRESENTS THE AREA INCLUDED IN THE RAMP PAYMENT MEASUREMENT



PLAN

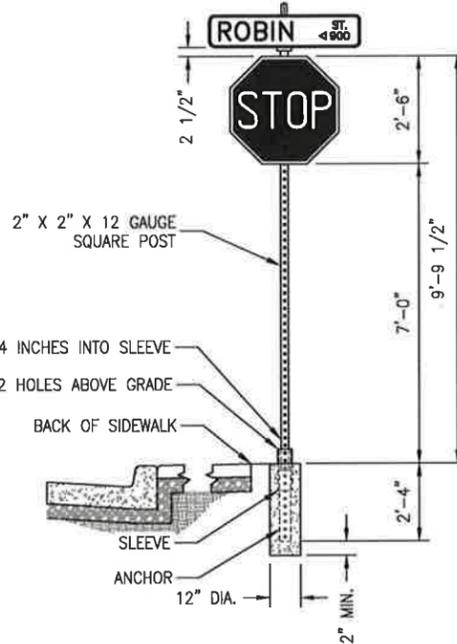
ELEVATION

2 RESIDENTIAL DRIVEWAY
 NOT TO SCALE



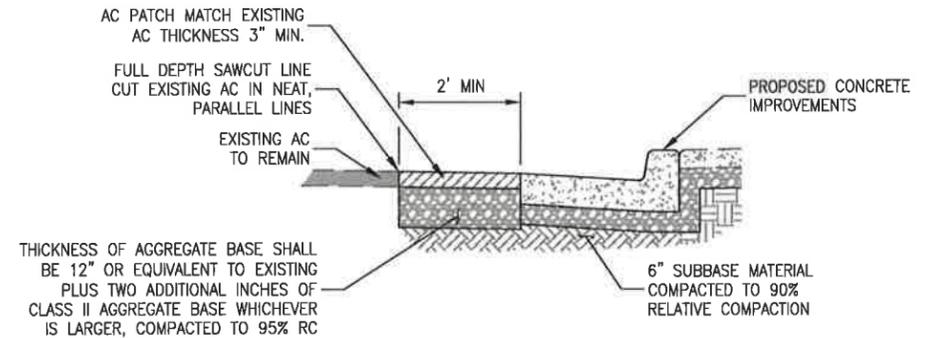
3 DRIVEWAY/PATHWAY TRANSITION

NOT TO SCALE



4 SIGN INSTALLATION

NOT TO SCALE



5 PAVEMENT REPAIR

NOT TO SCALE

NOTES

- SOIL DENSITIES ARE EXPRESSED AS A PERCENTAGE OF MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D 1557.
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- IMMEDIATELY PRIOR TO PLACEMENT OF CONCRETE THE GEOTECHNICAL ENGINEER SHALL CERTIFY THE MOISTURE CONTENT OF THE NATIVE MATERIAL SUBBASE HAS A MOISTURE CONTENT OF NOT LESS THAN 3%. IN ADDITION, AGGREGATE BASE SHALL HAVE A MOISTURE CONTENT AS SPECIFIED BY THE DIRECTOR.
- SIDEWALK, CURB AND GUTTER SHALL NOT BE POURED MONOLITHICALLY.
- ON SIDEWALK, CURB AND GUTTER REPLACEMENT, 6 INCHES OF CLASS II AGGREGATE BASE COMPACTED TO 90% AND 95% RESPECTIVELY OVER UNDISTURBED NATIVE MATERIAL SUBBASE, MAY BE USED IN LIEU OF 4 INCHES OF CLASS II AGGREGATE BASE OVER 6 INCHES OF COMPACTED NATIVE MATERIAL SUBBASE.
- WHEN REMOVING OR BREAKING OUT CURB, GUTTER, AND SIDEWALK, CONCRETE SHALL BE REMOVED TO THE NEAREST CONTRACTION JOINT.



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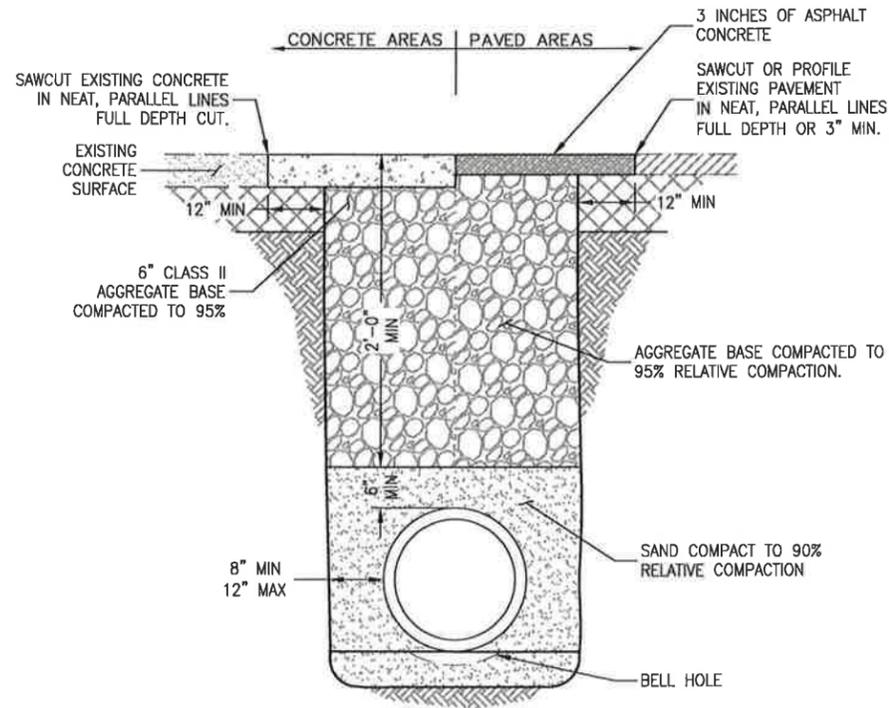
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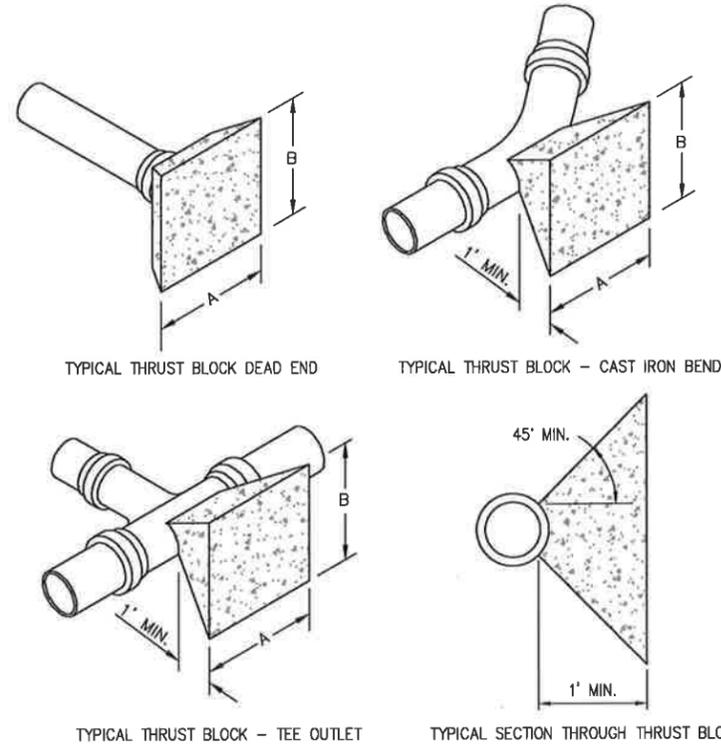
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City of Los Banos
Fire Stations 1 and 2 ADA and "State Streets" Sidewalk Improvements
DRIVEWAY, CONCRETE TRANSITION, PAVEMENT REPAIR, AND SIGN DETAILS

DESIGNED BY MBG	DATE 06/22/19	DRAWING C-124
DRAWN BY MVP, NF, DGR	DATE 06/26/19	SHEET 24
CHECKED BY M. Gouveia	DATE 06/26/19	OF 27 SHEETS
APPROVED M. Gouveia	DATE 06/26/19	PROJECT NUMBER 825.03/845.05

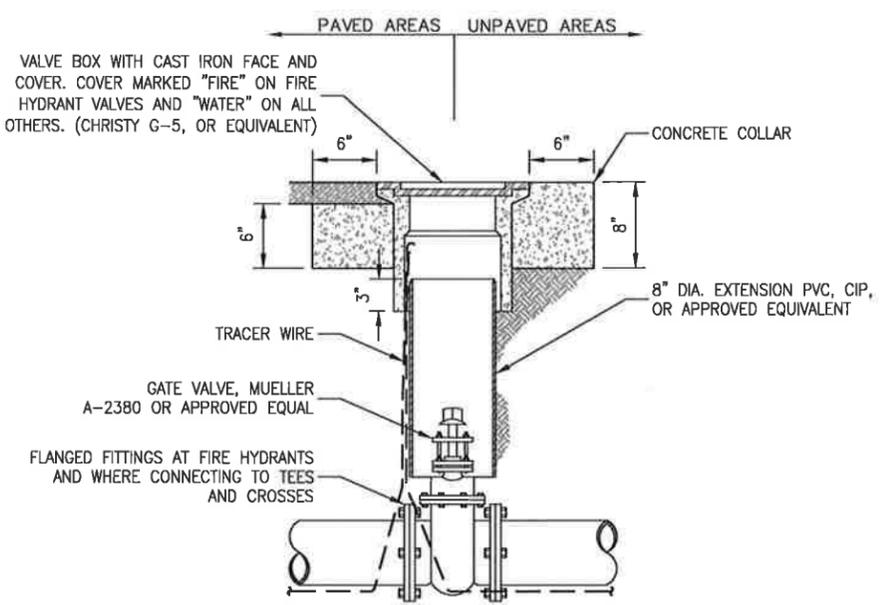


1 TRENCH BACKFILL
NOT TO SCALE

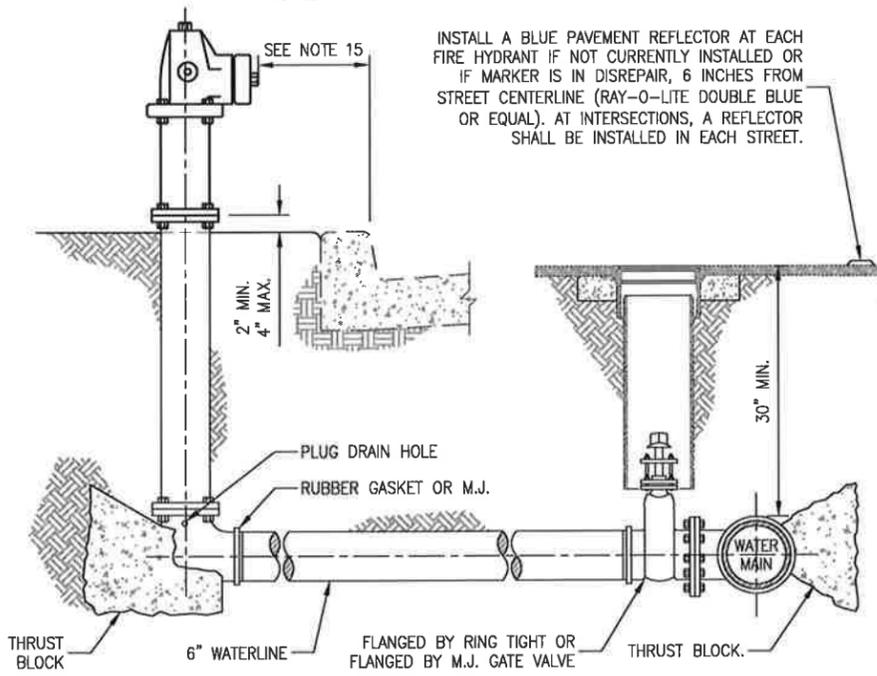


FITTINGS	THRUST BLOCK AREA REQUIRED	
	ALLOWABLE SOIL BEARING VALUE 1,500 LBS. PER SQ. FT.	
6" LINE	"A"	"B"
22-1/2"	1'-6"	1'-0"
45"	2'-0"	1'-3"
90"	3'-0"	1'-6"
TEE OUTLET	2'-0"	1'-6"
DEAD END	2'-0"	1'-6"

3 THRUST BLOCKS
NOT TO SCALE



2 VALVE BOX INSTALLATION
NOT TO SCALE



4 FIREHYDRANT INSTALLATION
NOT TO SCALE

- DETAIL NOTES**
- TRENCHING, PIPE BEDDING, AND BACKFILL**
- TRENCH WALL SHOWN VERTICAL FOR CLARITY, EXCAVATE PER OSHA SAFETY REQUIREMENTS.
 - SAND SHALL CONFORM TO THE FOLLOWING GRADING REQUIREMENTS

SIEVE SIZE	PERCENTAGE PASSING
#4	100
#16	0-70
#30	0-15
#200	0-5
 - FOR PVC PRESSURE PIPE PROVIDE 4" OF MANUFACTURED SAND BEDDING.
 - IF THE BOTTOM OF THE TRENCH IS SOFT OR UNSTABLE, IT SHALL BE OVER EXCAVATED A MINIMUM OF 1 FOOT BELOW GRADE AND BACKFILLED WITH APPROVED IMPORTED MATERIAL.
 - RELATIVE COMPACTION IS EXPRESSED AS A PERCENTAGE OF MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D1557.
 - FOR PIPE BEDDING AND BACKFILL PURPOSES, AWWA C900 PIPE SHALL BE CONSIDERED RIGID WALLED.
 - TRENCHES NOT IN PAVED AREA SHALL BE RESTORED TO MATCH EXISTING SURFACE CONDITIONS.
- THRUST BLOCKS**
- ALL VALUES SHOWN ARE MINIMUM FOR A HYDROSTATIC PRESSURE OF 150 P.S.I. AND SOIL RESISTANCE OF 1,500 LBS./SQ. FT. WITH A MINIMUM PIPELINE COVER OF 2'-6".
 - REDUCTION OF THE THRUST BLOCK SURFACE AREA WILL BE CONSIDERED UPON SUBMITTAL OF APPROVED SOIL BEARING TEST RESULTS GREATER THAN 1,500 LBS./SQ. FT.
 - ALL THRUST BLOCKS SHALL BE POURED AGAINST UNDISTURBED SOIL.
 - THRUST BLOCKS SHOWN ARE FOR HORIZONTAL THRUST RESTRAINT. FOR VERTICAL THRUST RESTRAINT, DETAILS SHALL BE PROVIDED BY THE DESIGN ENGINEER.
- VALVES**
- IF VALVE OPERATING NUT IS INSTALLED DEEPER THAN 2'-6", ATTACH PERMANENT EXTENSION AS APPROVED BY PUBLIC WORKS DIRECTOR.
- FIRE HYDRANTS**
- WRAP THE FIRE HYDRANT AND WATER MAIN FITTINGS WITH 6-MIL PLASTIC PRIOR TO POURING THRUST BLOCKS.
 - FIRE HYDRANTS SHALL BE AVK 2700.
 - HYDRANT SHALL BE INSTALLED SUCH THAT THE NOZZLE CAP IS 6" BEHIND THE BACK OF THE SIDEWALK. IF FIRE HYDRANTS ARE INSTALLED WITHIN PARKWAY THE NOZZLE CAP SHALL BE 12" BEHIND THE BACK OF CURB.
 - HYDRANT SHALL BE FACTORY PAINTED WITH A SILVER ENAMEL FINISH COAT.



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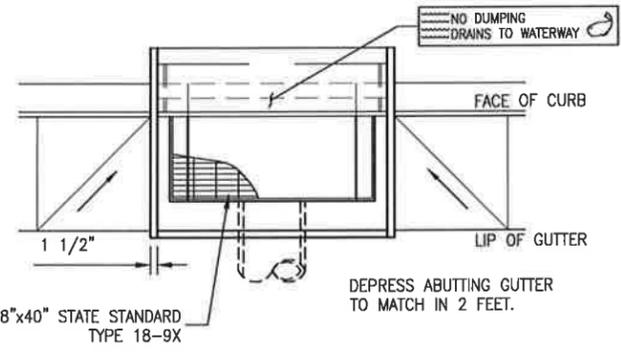
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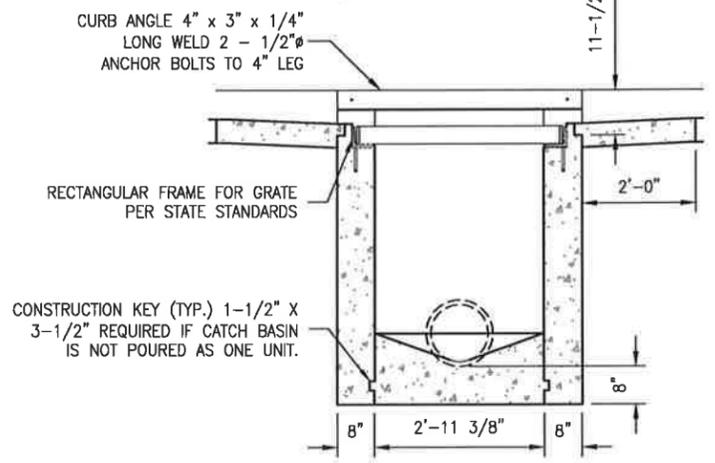
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Fire Stations 1 and 2 ADA and "State Streets" Sidewalk Improvements
TRENCH BACKFILL, VALVE, THRUST BLOCK, AND FIRE HYDRANT DETAILS

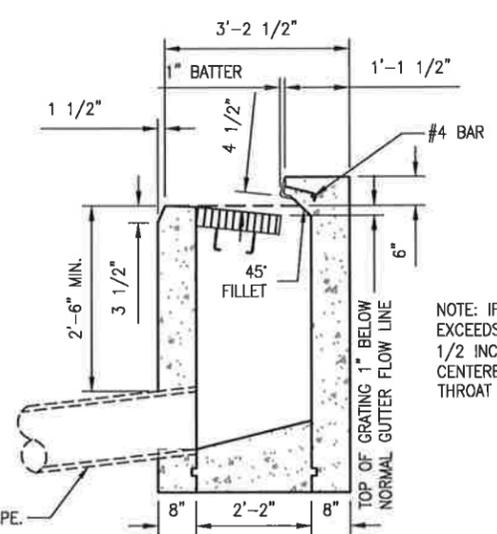
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DRAWN BY	DATE	SHEET
LMP, NF, DGR	06/26/19	25
CHECKED BY	DATE	OF 27 SHEETS
M. Gouveia	06/26/19	PROJECT NUMBER
APPROVED	DATE	825.03/845.05
M. Gouveia	06/26/19	



PLAN VIEW

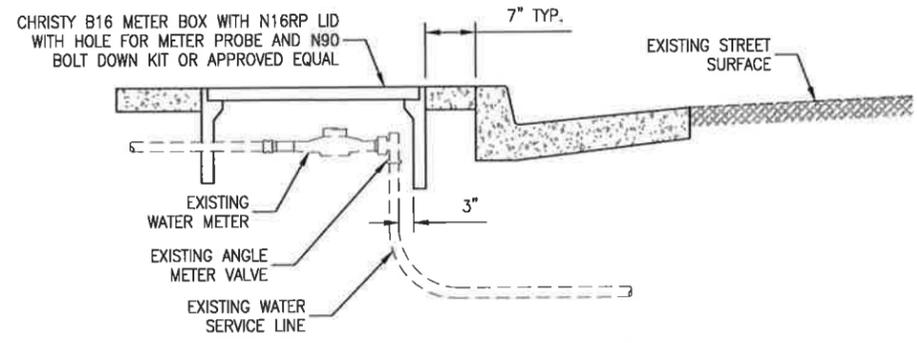


FRONT SECTION

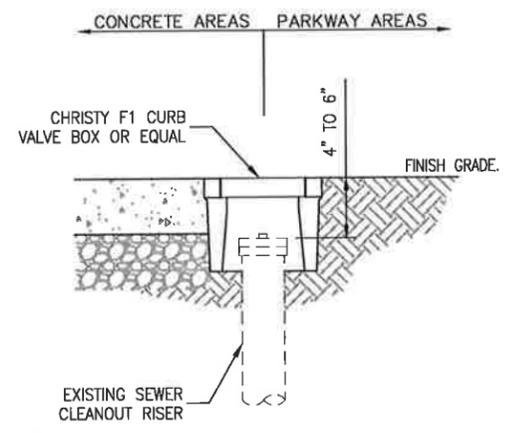


SIDE SECTION

1 CATCH BASIN CONSTRUCTION DETAIL
NOT TO SCALE



2 METER BOX INSTALLATION
NOT TO SCALE



3 SEWER CLEANOUT BOX INSTALLATION
NOT TO SCALE

DETAIL NOTES

CATCH BASIN

1. ALL METAL SHALL BE HOT DIP GALVANIZED AFTER FABRICATION.
2. WALL AND FLOOR REINFORCING NOT REQUIRED IF INVERT IS LESS THAN 8" DEEP, OTHERWISE USE NO. 4 BARS AT 12" EACH WAY, CENTERED IN WALLS.
3. "NO DUMPING DRAINS TO WATERWAY" MESSAGE TO BE STAMPED INTO THE CONCRETE. CONCRETE STAMP TO BE PROVIDED BY THE CONTRACTOR AND REQUIRES CITY APPROVAL PRIOR TO BEING IMPLEMENTED.

SANITARY SEWER

4. CONTRACTOR SHALL TRIM OR EXTEND EXISTING SEWER LATERAL RISER AND CLEANOUT AS REQUIRED OBTAIN THE DESIRED 4" TO 6" SEPARATION FROM CLEANOUT BOX TO TOP OF RISER.



Jun 27, 2019 - 5:50pm V:\CL\19450\Drawings\19450SC-Misc.dwg

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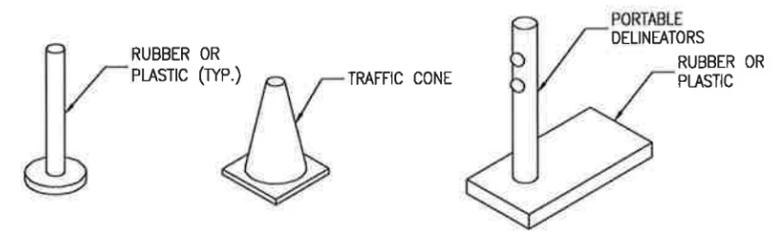
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CONSULTING ENGINEERS
456 Sixth Street • Gustine, California 95322
Telephone (209) 854-3300 • Fax (209) 854-3600

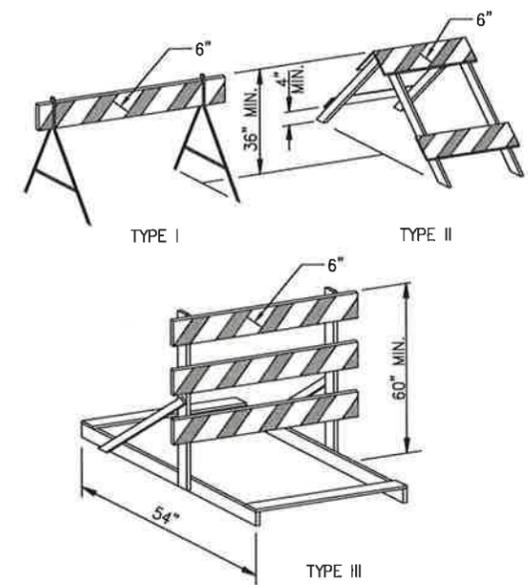
City of Los Banos
Fire Stations 1 and 2 ADA and "State Streets" Sidewalk Improvements
MISCELLANEOUS UTILITY DETAILS

DESIGNED BY MBG	DATE 06/22/19	DRAWING C-126
DRAWN BY MVP, NF, DGR	DATE 06/26/19	SHEET 26
CHECKED BY M. Gouveia	DATE 06/26/19	OF 27 SHEETS
APPROVED M. Gouveia	DATE 06/26/19	PROJECT NUMBER 825.03/845.05

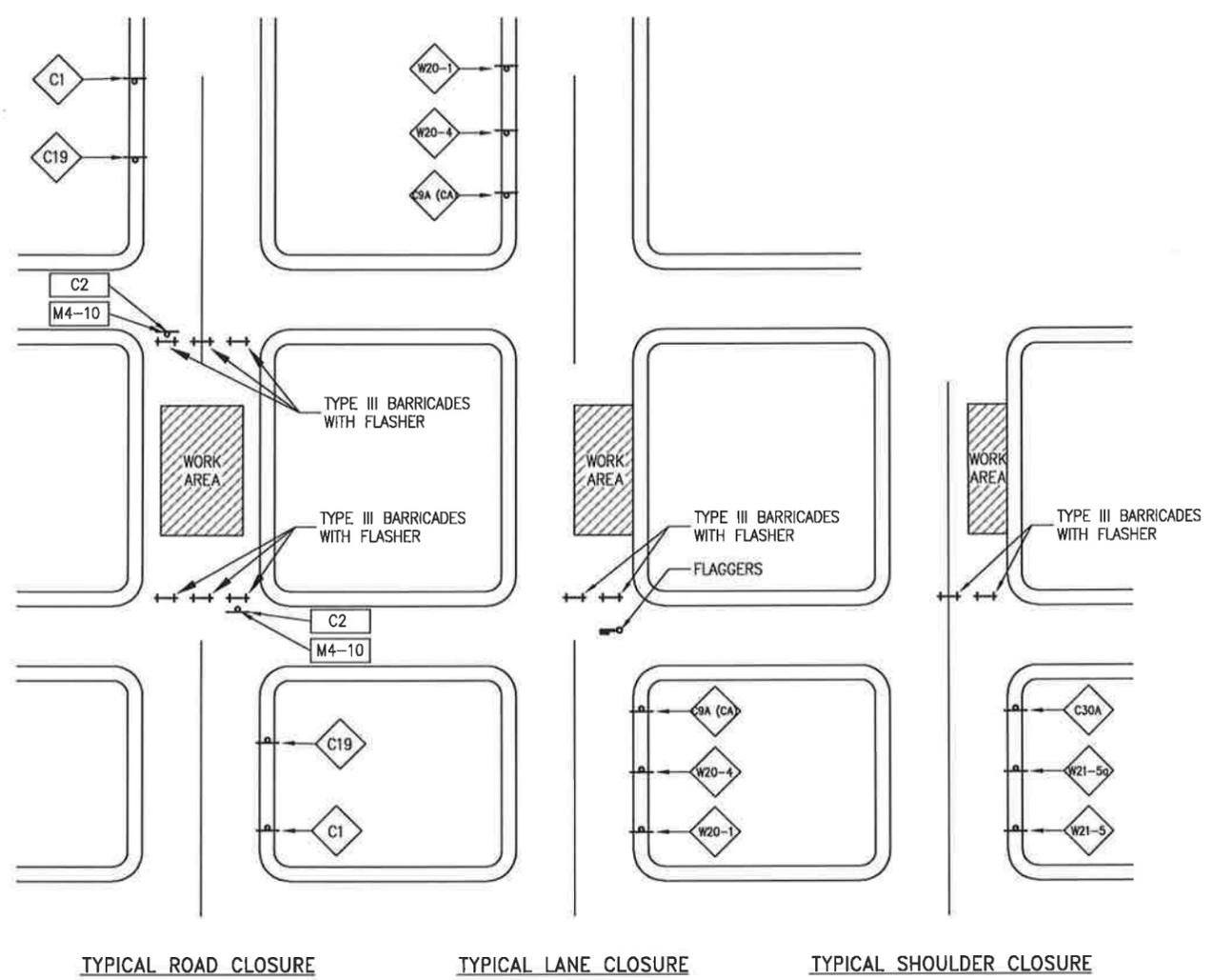
NOTES		REFERENCE DETAIL
1.	PLACEMENT OF BARRICADES SHALL NOT PRECLUDE ENTRANCE OF EMERGENCY VEHICLES.	
2.	ADDITIONAL DETOUR SIGNS MAY BE REQUIRED BY THE CITY ENGINEER.	
	 OR  SIGN PER  TYPE III BARRICADE PER	
3.	REFLECTORS AS REQUIRED BY THE CITY ENGINEER OR PUBLIC WORKS DIRECTOR.	



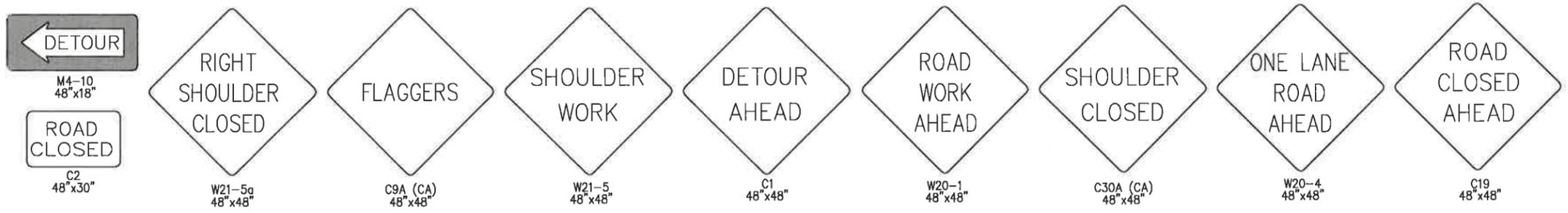
3 TRAFFIC DELINEATORS
NOT TO SCALE



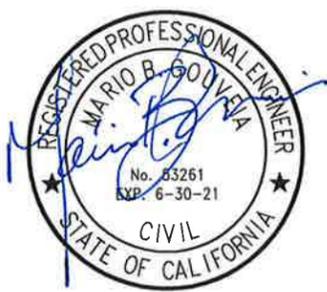
4 PORTABLE BARRICADES
NOT TO SCALE



1 CLOSURE DETAILS
NOT TO SCALE



2 TYPICAL CONSTRUCTION SIGNS
NOT TO SCALE



Jun 27, 2019 - 5:57pm
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REV	DATE	DESCRIPTION	APPR

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City of Los Banos
Fire Stations 1 and 2 ADA and "State Streets" Sidewalk Improvements
TRAFFIC CONTROL DETAILS

DESIGNED BY MBG	DATE 06/22/19	DRAWING C-127
DRAWN BY MVP, NF, DGR	DATE 06/26/19	SHEET 27
CHECKED BY M. Gouveia	DATE 06/26/19	OF 27 SHEETS
APPROVED M. Gouveia	DATE 06/26/19	PROJECT NUMBER 825.03/845.05