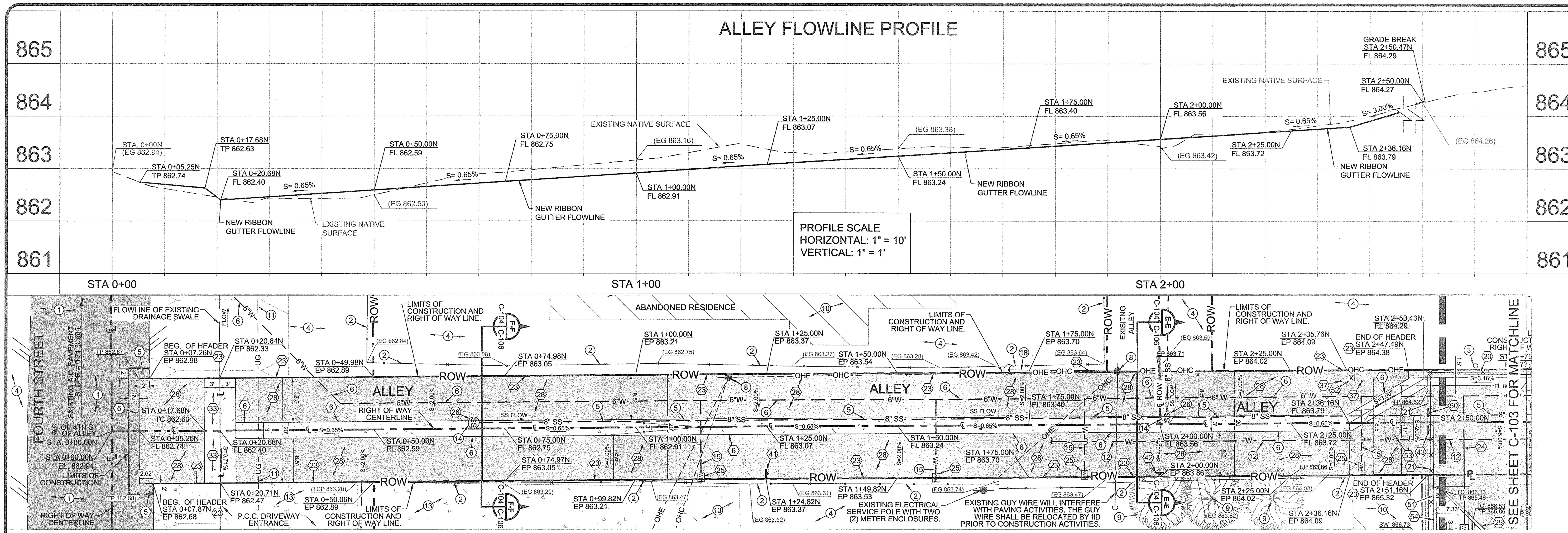

NOTES:

1. LOCATIONS FOR WARNING/REGULATORY SIGNS ARE APPROXIMATE. EXACT LOCATIONS FOR ALL SIGNS SHALL BE DETERMINED DURING THE CONSTRUCTION PHASE BY THE RESIDENT ENGINEER.

2. THE CONTRACTOR SHALL EXAMINE THE FENCE LOCATION DURING THE BIDDING PERIOD AND INCLUDE THE COSTS TO SECURE OR REMOVE AND REPLACE SECTIONS OF THE EXISTING FENCE DURING THE PROJECT CONSTRUCTION PHASE.

SCALE: 1"=10'

LEGEND		
ITEM NO.	DESCRIPTION	SYMBOL
1	RIGHT OF WAY	ROW— — —
2	PROPERTY LINE	—PL—
3	CENTERLINE OF RIGHT OF WAY	
4	P.C.C. CURB	
5	A.C. PAVEMENT GRINDING AREA	
6	A.C. PAVEMENT OVER CLASS 2 BASE	
7	EXISTING A.C. PAVEMENT TO REMAIN	
8	EDGE OF A.C. PAVEMENT	
9	CLEAR AND GRUB AREA	
10	OVERHEAD ELECTRIC	—OHE—
11	UNDERGROUND GAS	—UG—
12	SANITARY SEWER PIPELINE	—SS—
13	WATER PIPELINE	—W—
14	SANITARY SEWER MANHOLE	(S)
15	CHAIN LINK FENCE	—X——X—
16	LIMITS OF CONSTRUCTION	
17	DECOMPOSED GRANITE	
18	WARNING/REGULATORYSIGN	

EXISTING KEYNOTES

1. EXISTING A.C. PAVEMENT TO REMAIN.
2. EXISTING 6-FOOT CHAINLINK FENCE TO REMAIN.
3. EXISTING WOOD POST TO REMAIN.
4. EXISTING NATIVE MATERIAL TO REMAIN.
5. EXISTING SANITARY SEWER PIPELINE TO REMAIN.
6. EXISTING WATER PIPELINE TO REMAIN.
7. ~~EXISTING FIRE HYDRANT TO REMAIN.~~
8. EXISTING IMPERIAL IRRIGATION DISTRICT ELECTRICAL POWER POLE.
9. EXISTING TREE TO REMAIN.
10. EXISTING BUILDING TO REMAIN.
11. EXISTING GAS PIPELINE TO REMAIN.
12. EXISTING ABANDONED WATER PIPELINE TO REMAIN.
13. EXISTING P.C.C. PAD/SLAB TO REMAIN.
14. EXISTING SANITARY SEWER MANHOLE TO REMAIN.
15. EXISTING WATER SERVICE PIPELINE.
16. ~~EXISTING YIELD SIGN TO REMAIN.~~
17. ~~EXISTING STREET LIGHT TO REMAIN.~~
18. EXISTING GUY WIRE TO REMAIN.

CONSTRUCTION KEYNOTES

1. ~~INSTALL 4 INCHES OF A.C. PAVEMENT OVER 6.5 INCHES OF CLASS 2 BASE MATERIAL. COMPACT THE CLASS 2 BASE MATERIAL TO 95 PERCENT OF MAXIMUM DENSITY PER ASTM D-1557.~~
2. ~~INSTALL P.C.C. CURB AND GUTTER PER DETAIL D ON SHEET C-109.~~
3. ~~INSTALL TYPE "A" 6-INCH P.C.C. BARRIER CURB OVER 9-INCHES OF CLASS II BASE PER DETAIL F ON SHEET C-109.~~
4. ~~INSTALL 4-INCH P.C.C. SIDEWALK OVER 6-INCHES OF GRANULAR SAND PER DETAIL G ON SHEET C-109. COMPACT GRANULAR SAND TO 95% OF MAXIMUM DENSITY PER ASTM D-1557.~~
5. COMPLETE A.C. PAVEMENT GRINDING FOR A DEPTH OF 3-INCHES PER DETAIL K ON SHEET C-111. INSTALL 3-INCHES OF A.C. PAVEMENT OVER THE GRINDED AREA.
6. INSTALL 3- FOOT WIDE P.C.C. RIBBON GUTTER PER DETAIL A ON SHEET C-109.
7. ~~INSTALL HANDICAP RAMP PER CALTRANS STANDARD PLAN RSP A88A CASE A. INSTALL 6-INCHES OF CLASS 2 BASE MATERIAL BENEATH THE P.C.C. HANDICAP RAMP. COMPACT THE CLASS 2 BASE TO 95 PERCENT OF MAXIMUM DENSITY PER ASTM D-1557.~~
8. ~~INSTALL HANDICAP RAMP PER CALTRANS STANDARD PLAN RSP A88A CASE F. INSTALL 6-INCHES OF CLASS 2 BASE MATERIAL BENEATH THE P.C.C. HANDICAP RAMP. COMPACT THE CLASS 2 BASE TO 95 PERCENT OF MAXIMUM DENSITY PER ASTM D-1557.~~
9. ~~INSTALL 4-FOOT X 3-FOOT TRUNCATED DOMES PER CALTRANS STANDARD PLAN RSP A88A.~~
10. ~~INSTALL 4-INCH WIDE BLUE HANDICAP STRIPING AND WHITE DIAGONAL STRIPING WITH NO PARKING LEGEND PER CALTRANS STANDARD A90A.~~
11. ~~INSTALL BLUE HANDICAP SYMBOLS USING MATERIAL PER CALTRANS STANDARD A24C AND ADA STANDARDS.~~
12. ~~INSTALL NEW R99C (CA) HANDICAP SIGN AND R7-8B VAN ACCESSIBLE SIGN PER CALTRANS STANDARD A 90A ON A GALVANIZED STEEL POST PER DETAIL T ON SHEET C-112.~~
13. ~~INSTALL NEW MASONRY WALL PER DETAIL C ON SHEET C-109.~~
14. ~~INSTALL 4-INCH WIDE WHITE STRIPING.~~
15. ~~INSTALL 10-INCHES OF P.C.C CONCRETE DRIVEWAY OVER 18-INCHES OF CLASS 2 BASE MATERIAL WITH NUMBER 5 REBAR 1-FOOT ON CENTER EACH WAY. CONTRACTOR SHALL COMPACT THE CLASS 2 BASE MATERIAL TO 95 PERCENT MAXIMUM DENSITY PER ASTM D-1557.~~
16. ~~INSTALL TRASH ENCLOSURE MASONRY WALL AND P.C.C. PAD PER SECTIONS G-G, H-H AND I-I ON SHEET C-107, BLOW-UP DETAIL 1 ON SHEET C-105 AND DETAIL E ON SHEET C-109.~~
17. ~~INSTALL GENERATOR P.C.C. PAD PER DETAIL N ON SHEET C-111.~~
18. ~~INSTALL 8-INCH P.C.C CONCRETE DRIVEWAY OVER 12-INCHES OF CLASS 2 BASE MATERIAL WITH NUMBER 5 REBAR 1-FOOT ON CENTER EACH WAY PER SECTION J-J ON SHEET C-107. CONTRACTOR SHALL COMPACT THE CLASS 2 BASE MATERIAL TO 95 PERCENT MAXIMUM DENSITY PER ASTM D-1557.~~
19. ~~INSTALL 8-INCH P.C.C CONCRETE SLAB OVER 12-INCHES OF CLASS 2 BASE MATERIAL WITH NUMBER 5 REBAR 1-FOOT ON CENTER EACH WAY. CONTRACTOR SHALL COMPACT THE CLASS 2 BASE MATERIAL TO 95 PERCENT MAXIMUM DENSITY PER ASTM D-1557.~~
20. INSTALL NEW 8-FOOT HIGH CHAIN LINK FENCE WITH VINYL SLATS PER FENCE DETAIL I ON SHEET C-110.
21. INSTALL NEW 6-FOOT HIGH MOTOR CONTROLLED ROLLED GATE PER DETAIL I ON SHEET C-110.
22. ~~INSTALL 6-FOOT HIGH CHAIN LINK FENCE PEDESTRIAN ACCESS GATE WITH VINYL SLATS.~~
23. INSTALL NEW 2" X 6" TREATED HEADER BOARD ALONG PAVEMENT EDGE. SECURE THE 2" X 6" HEADER BOARD WITH A 2" DEEP X 4" WIDE X 18" LONG WOOD STAKES PLACED 4-FOOT ON CENTER. SECURE THE BOARD WITH THREE (3) 16CC SINKER NAILS.
24. GOLDEN STATE WATER COMPANY TO INSTALL NEW 2-INCH WATER SERVICE PIPELINE AND WATER METER.
25. GOLDEN STATE WATER COMPANY TO RELOCATE OR ADJUST EXISTING WATER SERVICE, METER, AND PIPELINE.
26. CONTRACTOR TO ADJUST THE EXISTING MANHOLE FRAME AND COVER TO FINISH GRADE AFTER PAVING OPERATIONS ARE COMPLETE PER SANITARY SEWER MANHOLE DETAIL B ON SHEET C-109.
27. ~~INSTALL 3 INCHES OF A.C. PAVEMENT OVER 6 INCHES OF CLASS 2 BASE MATERIAL. COMPACT THE CLASS 2 BASE MATERIAL TO 95 PERCENT OF MAXIMUM DENSITY PER ASTM D-1557.~~
28. INSTALL 3 INCHES OF A.C. PAVEMENT OVER 9 INCHES OF CLASS 2 BASE MATERIAL. COMPACT THE CLASS 2 BASE MATERIAL TO 95 PERCENT OF MAXIMUM DENSITY PER ASTM D-1557.
29. INSTALL TYPE "A" 8-INCH HIGH P.C.C. BARRIER CURB OVER 9-INCHES OF CLASS II BASE COMPACTED TO 95 PERCENT MAXIMUM DENSITY PER ASTM D-1557 PER DETAIL F ON SHEET C-109.
30. ~~INSTALL HANDRAIL PER ARCHITECTURAL PLANS.~~
31. ~~INSTALL TYPE "A" VARIABLE HEIGHT P.C.C. BARRIER CURB PER DETAIL F ON SHEET C-109. ELEVATIONS PER PLANS.~~
32. ~~INSTALL HANDICAP RAMP PER CALTRANS STANDARD PLAN RSP A88A CASE CH. INSTALL 6-INCH OF CLASS 2 BASE MATERIAL BENEATH THE P.C.C. HANDICAP RAMP. COMPACT THE CLASS 2 BASE TO 95 PERCENT OF MAXIMUM DENSITY PER ASTM D-1557.~~
33. INSTALL 6-FOOT WIDE PCC RIBBON GUTTER PER DETAIL H ON SHEET C-109.
34. ~~SOUTHERN CALIFORNIA GAS COMPANY TO INSTALL NEW SERVICE PIPELINE AND GAS METER.~~
35. ~~INSTALL 4 INCHES OF DECOMPOSED GRANITE (DG) PER DETAIL J ON SHEET C-111.~~
36. ~~INSTALL CONCRETE CURB STOPS IN PARKING SPACES PER DETAIL M ON SHEET C-111. TYPICAL.~~
37. ~~INSTALL STEEL BOLLARDS PER DETAIL L ON SHEET C-111.~~
38. ~~INSTALL 6 FOOT HIGH CHAIN LINK DOUBLE SWING GATES WITH VINYL PRIVACY SLATS AT TRASH ENCLOSURE PER DETAIL I ON SHEET C-110.~~
39. ~~INSTALL 4-INCH SANITARY SEWER LATERAL SERVICE PIPELINE PER DETAIL O ON SHEET C-111.~~
40. ~~INSTALL 4-INCH SANITARY SEWER CLEANOUT PER DETAIL P ON SHEET C-111.~~
41. INSTALL 24-INCH X 24-INCH, W-53 WARNING SIGN STATING " NOT A THROUGH STREET " PER DETAIL Q ON PLAN SHEET C-111.
42. INSTALL 24-INCH X 24-INCH R3-2 REGULATORY SIGN INDICATING "NO LEFT TURN" PER DETAIL Q ON PLAN SHEET C-111.
43. INSTALL 30-INCH X 24-INCH R5-11 REGULATORY SIGN STATING "AUTHORIZED VEHICLES ONLY". SECURE SIGN TO MOTOR CONTROLLED ROLL GATE.
44. ~~INSTALL 2-INCH DIAMETER HDPE WATER SERVICE PIPELINE FROM BACKFLOW PREVENTER TO BUILDING PIPING P.O.C.~~
45. ~~INSTALL 2-INCH BACKFLOW PREVENTER INCLUDING UPSTREAM AND DOWNSTREAM PIPING PER DETAIL R ON SHEET C-112.~~
46. ~~INSTALL 4-INCH STEEL BOLLARDS PER DETAIL S ON SHEET C-112.~~
47. ~~INSTALL 6-INCH P.C.C. BARRIER CURB AT LOCATIONS ADJACENT TO LANDSCAPE AREAS PER DETAIL U ON SHEET C-112.~~
48. ~~INSTALL P.C.C. ENTRANCE RAMP PER DETAIL AA ON SHEET C-113.~~
49. ~~INSTALL 4 INCHES OF A.C. PAVEMENT OVER 12 INCHES OF CLASS 2 BASE MATERIAL. COMPACT THE CLASS 2 BASE MATERIAL TO 95 PERCENT OF MAXIMUM DENSITY PER ASTM D-1557.~~
50. INSTALL 18-INCH X 18-INCH REFLECTIVE WARNING SIGN OM1-1 TYPE N4. SECURE SIGN TO MOTOR CONTROLLED ROLL GATE.
51. INSTALL NEW COMMERCIAL SLIDE GATE OPERATOR MOTOR WITH BATTERY BACKUP PER DETAIL I ON SHEET C-110
52. INSTALL NEW KEYPAD / CARD READER FOR MOTOR OPERATED SLIDING GATE PER DETAIL BB ON SHEET C-113.
53. INSTALL NEW SAFETY AND ACTIVATION LOOPS FOR MOTOR OPERATED SLIDING GATE.
54. INSTALL REINFORCED P.C.C. BARRIER CURB PER ROLL GATE FOOTING BLOWUP DETAIL A IN SECTION DETAIL K-K

REVISION	DATE	COMMENTS

REGISTERED PROFESSIONAL ENGINEER JAMES G. HOLT No. 31773 Exp. 12-31-20 CIVIL STATE OF CALIFORNIA

PREPARED UNDER THE DIRECT SUPERVISION OF:
JAMES G. "JACK" HOLT — 31773 R.C.E. No.
06/18/2019 DATE — 12/31/20 REG. EXP.

REGISTERED PROFESSIONAL ENGINEER JOHN A. GAY No. 62028 Exp. 9-30-19 CIVIL STATE OF CALIFORNIA

COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT APPROVED FOR CONSTRUCTION BY:
JOHN GAY, P.E. DIRECTOR OF PUBLIC WORKS — 62028 R.C.E. No.
7/11/19 DATE — 09/30/19 REG. EXP.

PUBLIC WORKS DEPARTMENT
COUNTY OF IMPERIAL
EL CENTRO, CALIFORNIA

DATE 06/18/2019
DRAWN RS
DESIGNED RS
SCALE 1"=10'
CHECKED JGH

PROJECT TITLE
COUNTY OF IMPERIAL
COMMUNITY AND ECONOMIC DEVELOPMENT
NILAND PUBLIC SAFETY FACILITY
ALLEY PLAN AND PROFILE

C-104
REFERENCE
THG #821.029
SHEET 5 OF 14

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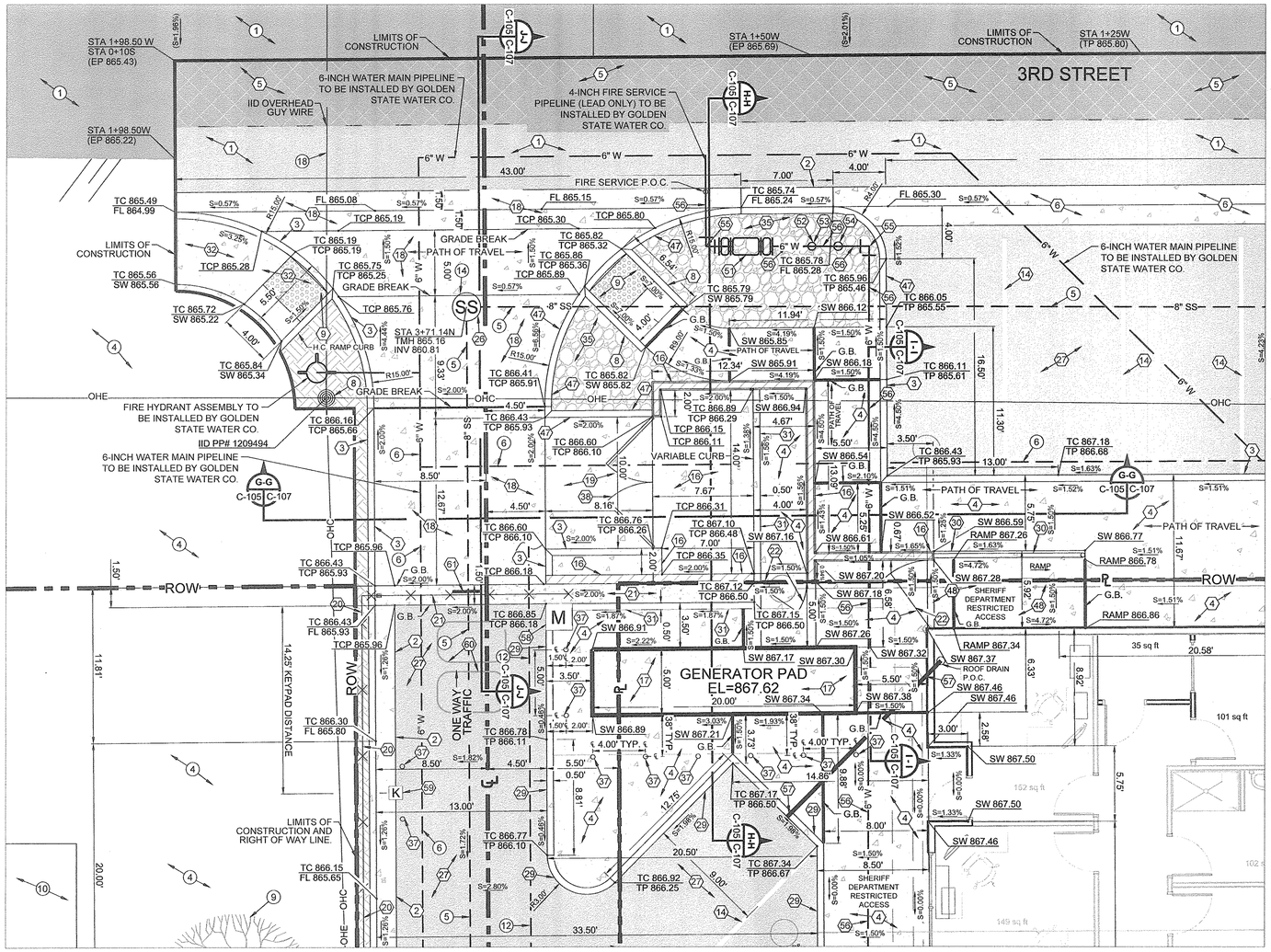


NOTES:

1. BLOWUP DETAIL NUMBER 1 ILLUSTRATES THE GRADING IN THE AREA OF THE GENERATOR PAD, TRASH ENCLOSURE, ADJACENT AREAS AND DRIVEWAY ENTRANCE IN GREATER DETAIL. THE BLOWUP DETAIL DOES NOT ILLUSTRATE THE GRADING WITHIN THIRD STREET, THE PARKING LOTS AND ALL OTHER SITE PLAN AREAS.
2. THE BLOWUP DETAIL ALSO ILLUSTRATES THE RE-ROUTING OF THE EXISTING 6-INCH WATER PIPELINE IN THE THIRD STREET RIGHT OF WAY AND A PORTION OF FIRE WATER PIPELINE INSTALLATION.

BLOWUP DETAIL NO. 1

SCALE 1"= 5'

EXISTING KEYNOTES

1. EXISTING A.C. PAVEMENT TO REMAIN.
2. ~~EXISTING 6-FOOT CHAINLINK FENCE TO REMAIN.~~
3. ~~EXISTING WOOD POST TO REMAIN.~~
4. EXISTING NATIVE MATERIAL TO REMAIN.
5. EXISTING SANITARY SEWER PIPELINE TO REMAIN.
6. EXISTING WATER PIPELINE TO REMAIN.
7. ~~EXISTING FIRE HYDRANT TO REMAIN.~~
8. EXISTING IMPERIAL IRRIGATION DISTRICT ELECTRICAL POWER POLE.
9. EXISTING TREE TO REMAIN.
10. EXISTING BUILDING TO REMAIN.
11. ~~EXISTING GAS PIPELINE TO REMAIN.~~
12. EXISTING ABANDONED WATER PIPELINE TO REMAIN.
13. ~~EXISTING P.C.C. PAD/SLAB TO REMAIN.~~
14. EXISTING SANITARY SEWER MANHOLE TO REMAIN.
15. ~~EXISTING WATER SERVICE PIPELINE.~~
16. EXISTING YIELD SIGN TO REMAIN.
17. ~~EXISTING STREET LIGHT TO REMAIN.~~
18. EXISTING GUY WIRE TO REMAIN.

CONSTRUCTION KEYNOTES

1. INSTALL 4 INCHES OF A.C. PAVEMENT OVER 6.5 INCHES OF CLASS 2 BASE MATERIAL. COMPACT THE CLASS 2 BASE MATERIAL TO 95 PERCENT OF MAXIMUM DENSITY PER ASTM D-1557.
2. INSTALL P.C.C. CURB AND GUTTER PER DETAIL D ON SHEET C-109.
3. INSTALL TYPE "A" 6-INCH P.C.C. BARRIER CURB OVER 9-INCHES OF CLASS II BASE PER DETAIL F ON SHEET C-109.
4. INSTALL 4-INCH P.C.C. SIDEWALK OVER 6-INCHES OF GRANULAR SAND PER DETAIL G ON SHEET C-109. COMPACT GRANULAR SAND TO 95% OF MAXIMUM DENSITY PER ASTM D-1557.
5. COMPLETE A.C. PAVEMENT GRINDING, FOR A DEPTH OF 3-INCHES PER DETAIL K ON SHEET C-111. INSTALL 3-INCHES OF A.C. PAVEMENT OVER THE GRINDED AREA.
6. INSTALL 3- FOOT WIDE P.C.C. RIBBON GUTTER PER DETAIL A ON SHEET C-109.
7. ~~INSTALL HANDICAP RAMP PER CALTRANS STANDARD PLAN RSP A88A CASE A. INSTALL 6-INCHES OF CLASS 2 BASE MATERIAL BENEATH THE P.C.C. HANDICAP RAMP. COMPACT THE CLASS 2 BASE TO 95 PERCENT OF MAXIMUM DENSITY PER ASTM D-1557.~~
8. INSTALL HANDICAP RAMP PER CALTRANS STANDARD PLAN RSP A88A CASE F. INSTALL 6-INCHES OF CLASS 2 BASE MATERIAL BENEATH THE P.C.C. HANDICAP RAMP. COMPACT THE CLASS 2 BASE TO 95 PERCENT OF MAXIMUM DENSITY PER ASTM D-1557.
9. INSTALL 4-FOOT X 3-FOOT TRUNCATED DOMES PER CALTRANS STANDARD PLAN RSP A88A.
10. ~~INSTALL 4-INCH WIDE BLUE HANDICAP STRIPING AND WHITE DIAGONAL STRIPING WITH NO PARKING LEGEND PER CALTRANS STANDARD A90A.~~
11. ~~INSTALL BLUE HANDICAP SYMBOLS USING MATERIAL PER CALTRANS STANDARD A24C AND ADA STANDARDS.~~
12. ~~INSTALL NEW R99C (CA) HANDICAP SIGN AND R7-8B VAN ACCESSIBLE SIGN PER CALTRANS STANDARD A 90A ON A GALVANIZED STEEL POST PER DETAIL T ON SHEET C-112.~~
13. ~~INSTALL NEW MASONRY WALL PER DETAIL O ON SHEET C-109.~~
14. INSTALL 4-INCH WIDE WHITE STRIPING.
15. ~~INSTALL 10-INCHES OF P.C.C CONCRETE DRIVEWAY OVER 10-INCHES OF CLASS 2 BASE MATERIAL WITH NUMBER 5 REBAR 1-FOOT ON CENTER EACH WAY. CONTRACTOR SHALL COMPACT THE CLASS 2 BASE MATERIAL TO 95 PERCENT MAXIMUM DENSITY PER ASTM D-1557.~~
16. INSTALL TRASH ENCLOSURE MASONRY WALL AND P.C.C. PAD. PER SECTIONS G-G, H-H AND I-I ON SHEET C-107, BLOW-UP DETAIL 1 ON SHEET C-105 AND DETAIL E ON SHEET C-109.
17. INSTALL GENERATOR P.C.C. PAD PER DETAIL N ON SHEET C-111.
18. INSTALL 8-INCH P.C.C CONCRETE DRIVEWAY OVER 12-INCHES OF CLASS 2 BASE MATERIAL WITH NUMBER 5 REBAR 1-FOOT ON CENTER EACH WAY PER SECTION J-J ON SHEET C-107. CONTRACTOR SHALL COMPACT THE CLASS 2 BASE MATERIAL TO 95 PERCENT MAXIMUM DENSITY PER ASTM D-1557
19. INSTALL 8-INCH P.C.C CONCRETE SLAB OVER 12-INCHES OF CLASS 2 BASE MATERIAL WITH NUMBER 5 REBAR 1-FOOT ON CENTER EACH WAY. CONTRACTOR SHALL COMPACT THE CLASS 2 BASE MATERIAL TO 95 PERCENT MAXIMUM DENSITY PER ASTM D-1557.
20. INSTALL NEW 6-FOOT HIGH CHAIN LINK FENCE WITH VINYL SLATS PER FENCE DETAIL I ON SHEET C-110.
21. INSTALL NEW 6-FOOT HIGH MOTOR CONTROLLED ROLLED GATE PER DETAIL I ON SHEET C-110.
22. INSTALL 6-FOOT HIGH CHAIN LINK FENCE PEDESTRIAN ACCESS GATE WITH VINYL SLATS.
23. ~~INSTALL NEW 2" X 6" TREATED HEADER BOARD ALONG PAVEMENT EDGE. SECURE THE 2" X 6" HEADER BOARD WITH A 2" DEEP X 4" WIDE X 18" LONG WOOD STAKES PLACED 4 FOOT ON CENTER. SECURE THE BOARD WITH THREE (3) 16DC SINKER NAILS.~~
24. ~~GOLDEN STATE WATER COMPANY TO INSTALL NEW 2-INCH WATER SERVICE PIPELINE AND WATER METER.~~
25. ~~GOLDEN STATE WATER COMPANY TO RELOCATE OR ADJUST EXISTING WATER SERVICE, METER, AND PIPELINE.~~
26. CONTRACTOR TO ADJUST THE EXISTING MANHOLE FRAME AND COVER TO FINISH GRADE AFTER PAVING OPERATIONS ARE COMPLETE PER SANITARY SEWER MANHOLE DETAIL B ON SHEET C-109.
27. INSTALL 3 INCHES OF A.C. PAVEMENT OVER 6 INCHES OF CLASS 2 BASE MATERIAL. COMPACT THE CLASS 2 BASE MATERIAL TO 95 PERCENT OF MAXIMUM DENSITY PER ASTM D-1557.
28. ~~INSTALL 9 INCHES OF A.C. PAVEMENT OVER 9 INCHES OF CLASS 2 BASE MATERIAL. COMPACT THE CLASS 2 BASE MATERIAL TO 95 PERCENT OF MAXIMUM DENSITY PER ASTM D-1557.~~
29. INSTALL TYPE "A" 8-INCH HIGH P.C.C. BARRIER CURB OVER 9-INCHES OF CLASS II BASE COMPACTED TO 95 PERCENT MAXIMUM DENSITY PER ASTM D-1557 PER DETAIL F ON SHEET C-109.
30. INSTALL HANDRAIL PER ARCHITECTURAL PLANS.
31. INSTALL TYPE "A" VARIABLE HEIGHT P.C.C. BARRIER CURB PER DETAIL F ON SHEET C-109. ELEVATIONS PER PLANS.
32. INSTALL HANDICAP RAMP PER CALTRANS STANDARD PLAN RSP A88A CASE CH. INSTALL 6-INCH OF CLASS 2 BASE MATERIAL BENEATH THE P.C.C. HANDICAP RAMP. COMPACT THE CLASS 2 BASE TO 95 PERCENT OF MAXIMUM DENSITY PER ASTM D-1557.
33. ~~INSTALL 6-FOOT WIDE PCC RIBBON GUTTER PER DETAIL I1 ON SHEET C-109.~~
34. ~~SOUTHERN CALIFORNIA GAS COMPANY TO INSTALL NEW SERVICE PIPELINE AND GAS METER.~~
35. ~~INSTALL 4 INCHES OF DECOMPOSED GRANITE (DG) PER DETAIL J ON SHEET C-111.~~
36. ~~INSTALL CONCRETE CURB STOPS IN PARKING SPACES PER DETAIL M ON SHEET C-111, TYPICAL.~~
37. INSTALL STEEL BOLLARDS PER DETAIL L ON SHEET C-111.
38. INSTALL 8 FOOT HIGH CHAIN LINK DOUBLE SWING GATES WITH VINYL PRIVACY SLATS AT TRASH ENCLOSURE PER DETAIL I ON SHEET C-110.
39. ~~INSTALL 4-INCH SANITARY SEWER LATERAL SERVICE PIPELINE PER DETAIL O ON SHEET C-111.~~
40. ~~INSTALL 4-INCH SANITARY SEWER CLEANOUT PER DETAIL P ON SHEET C-111.~~
41. ~~INSTALL: 24-INCH H X 24-INCH L W-53 WARNING SIGN STATING "NOT A THROUGH STREET" PER DETAIL Q ON PLAN SHEET C-111.~~
42. ~~INSTALL 24-INCH X 24-INCH R3-2 REGULATORY SIGN INDICATING "NO LEFT TURN" PER DETAIL Q ON PLAN SHEET C-111.~~
43. ~~INSTALL 30-INCH X 24-INCH (R5-1) REGULATORY SIGN STATING "AUTHORIZED VEHICLES ONLY". SECURE SIGN TO MOTOR CONTROLLED ROLL GATE.~~
44. ~~INSTALL 2-INCH DIAMETER HDPE WATER SERVICE PIPELINE FROM BACKFLOW PREVENTER TO BUILDING PIPING P.O.C.~~
45. ~~INSTALL 2-INCH BACKFLOW PREVENTER INCLUDING UPSTREAM AND DOWNSTREAM PIPING PER DETAIL R ON SHEET C-112.~~
46. ~~INSTALL 4-INCH STEEL BOLLARDS PER DETAIL S ON SHEET C-112.~~
47. INSTALL 6-INCH P.C.C. BARRIER CURB AT LOCATIONS ADJACENT TO LANDSCAPE AREAS PER DETAIL U ON SHEET C-112.
48. INSTALL P.C.C. ENTRANCE RAMP PER DETAIL AA ON SHEET C-113.
49. ~~INSTALL 4 INCHES OF A.C. PAVEMENT OVER 12 INCHES OF CLASS 2 BASE MATERIAL. COMPACT THE CLASS 2 BASE MATERIAL TO 95 PERCENT OF MAXIMUM DENSITY PER ASTM D-1557.~~
50. INSTALL 18-INCH X 18-INCH REFLECTIVE WARNING SIGN OM1-1 TYPE N4. SECURE SIGN TO MOTOR CONTROLLED ROLL GATE.
51. INSTALL 6-INCH DIAMETER REDUCED PRESSURE PRINCIPAL BACKFLOW PREVENTION ASSEMBLY PER DETAIL V ON SHEET C-112. INSTALL THRUST BLOCKS PER DETAIL Z ON SHEET C-113.
52. INSTALL 6-INCH DIAMETER MJ RESILIENT WEDGE GATE VALVE WITH D.I. RESTRAINED JOINT FITTINGS AND STAINLESS STEEL HARDWARE.
53. INSTALL ADJUSTABLE VERTICAL INDICATOR POST OVER THE NEW 6-INCH RESILIENT WEDGE GATE VALVE.
54. INSTALL 6-INCH FIRE DEPARTMENT SIAMESE CONNECTION PER DETAIL W ON SHEET C-112.
55. INSTALL 6-INCH DUCTILE IRON MJ 90-DEGREE ELBOW WITH D.I. RESTRAINED JOINT FITTINGS AND STAINLESS STEEL HARDWARE. INSTALL THRUST BLOCK PER DETAIL Z ON SHEET C-113.
56. INSTALL 6-INCH AWWA C-900 DR 18 PVC PIPELINE PER TRENCH DETAIL X ON SHEET C-112.
57. INSTALL 4-INCH SDR 35 PVC ROOF DRAIN PIPELINE BENEATH THE P.C.C. SIDEWALK FROM THE ROOF DRAIN POINT OF CONNECTION ALONG THE EXTERIOR WALL LINE, THROUGH THE 8-INCH P.C.C. CURB FACE AT THE WEST PARKING LOT.
58. INSTALL NEW COMMERCIAL SLIDE GATE OPERATOR MOTOR WITH BATTERY BACKUP PER DETAIL I ON SHEET C-110
59. INSTALL NEW KEYPAD / CARD READER FOR MOTOR OPERATED SLIDING GATE PER DETAIL B5 ON SHEET C-113.
60. INSTALL NEW SAFETY AND ACTIVATION LOOPS FOR MOTOR OPERATED SLIDING GATE.
61. INSTALL 24-INCH X 24-INCH REFLECTIVE REGULATORY SIGN R5-1 STATING "DO NOT ENTER". SECURE THE SIGN TO MOTOR CONTROLLED ROLL GATE.

LEGEND		
ITEM NO.	DESCRIPTION	SYMBOL
1	RIGHT OF WAY	ROW
2	PROPERTY LINE	PL
3	CENTERLINE OF RIGHT OF WAY	
4	P.C.C. CURB	
5	A.C. PAVEMENT GRINDING AREA	
6	A.C. PAVEMENT OVER CLASS 2 BASE	
7	EXISTING A.C. PAVEMENT TO REMAIN	
8	EDGE OF A.C. PAVEMENT	
9	CLEAR AND GRUB AREA	
10	OVERHEAD ELECTRIC	OHE
11	UNDERGROUND GAS	UG
12	SANITARY SEWER PIPELINE	SS
13	WATER PIPELINE	W
14	SANITARY SEWER MANHOLE	S
15	CHAIN LINK FENCE	X X
16	LIMITS OF CONSTRUCTION	
17	DECOMPOSED GRANITE	

REVISION	DATE	COMMENTS

REGISTERED PROFESSIONAL ENGINEER JAMES G. HOLT No. 31773 Exp. 12-31-20 CIVIL STATE OF CALIFORNIA

PREPARED UNDER THE DIRECT SUPERVISION OF:
JAMES G. "JACK" HOLT — 31773 R.C.E. No.
06/18/2019 DATE — 12/31/20 REG. EXP.

REGISTERED PROFESSIONAL ENGINEER JOHN A. GAY No. 62028 Exp. 9-30-19 CIVIL STATE OF CALIFORNIA

COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
APPROVED FOR CONSTRUCTION BY:
JOHN GAY, P.E. — 62028 R.C.E. No.
DIRECTOR OF PUBLIC WORKS
7/11/19 DATE — 09/30/19 REG. EXP.

PUBLIC WORKS DEPARTMENT
COUNTY OF IMPERIAL
EL CENTRO, CALIFORNIA

DATE	06/18/2019
DRAWN	RS
DESIGNED	RS
SCALE	1"=10'
CHECKED	JGH

PROJECT TITLE
COUNTY OF IMPERIAL
COMMUNITY AND ECONOMIC DEVELOPMENT
NILAND PUBLIC SAFETY FACILITY
BLOWUP DETAIL

C-105

REFERENCE — THG #821.029

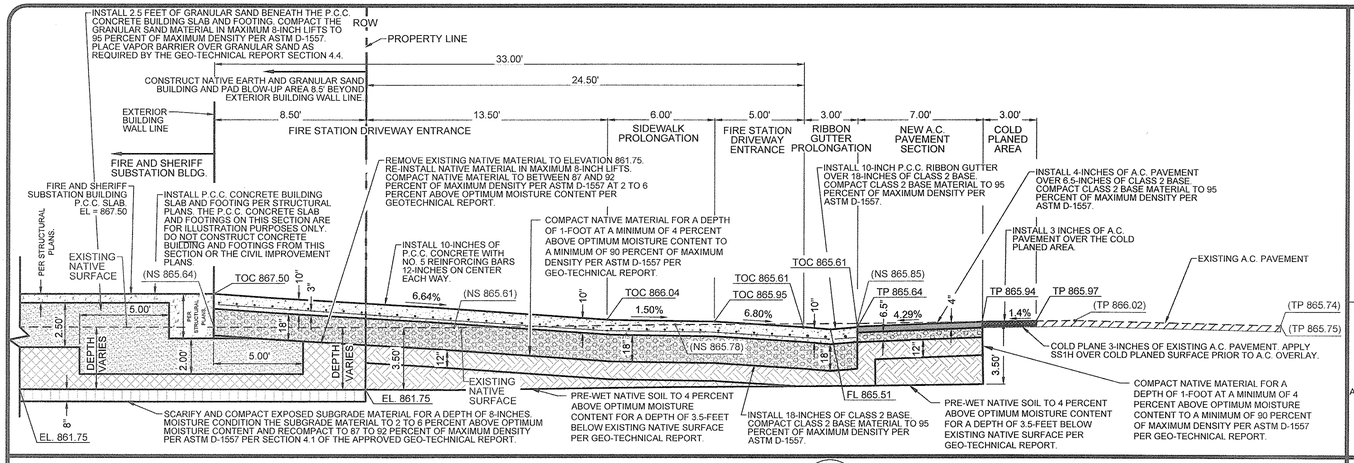
SHEET 6 OF 14

Q:\El Centro\821.029\4 - Design\CAD\821.029_SHEET 6_BLOWUP.dwg 06/24/2019 17:15

FIRE STATION DRIVEWAY ENTRANCE SECTION A-A

HORIZONTAL SCALE: 1"=4'
VERTICAL SCALE: 1"=4'

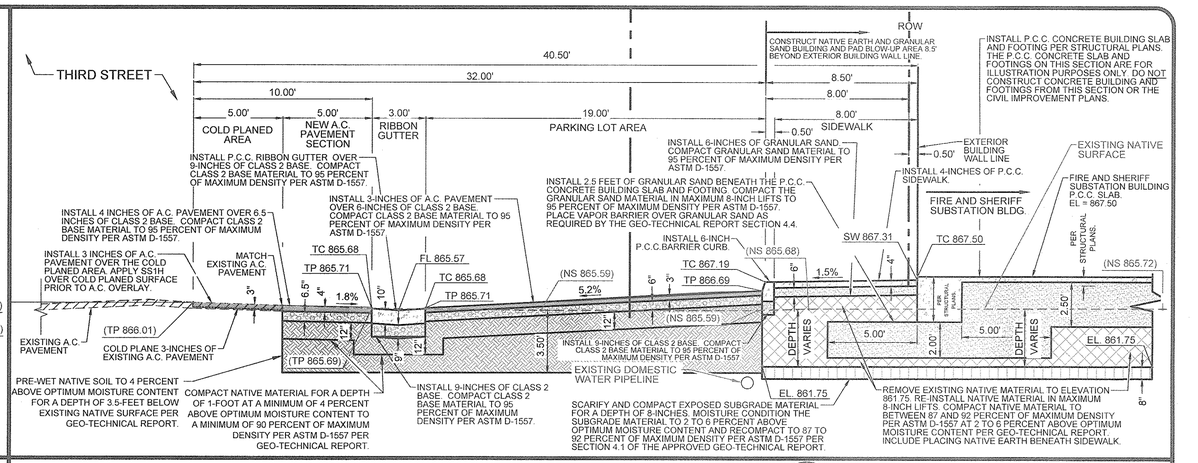
C-103 | C-106



FRONT ENTRANCE/THIRD STREET PARKING LOT SECTION B-B

HORIZONTAL SCALE: 1"=4'
VERTICAL SCALE: 1"=4'

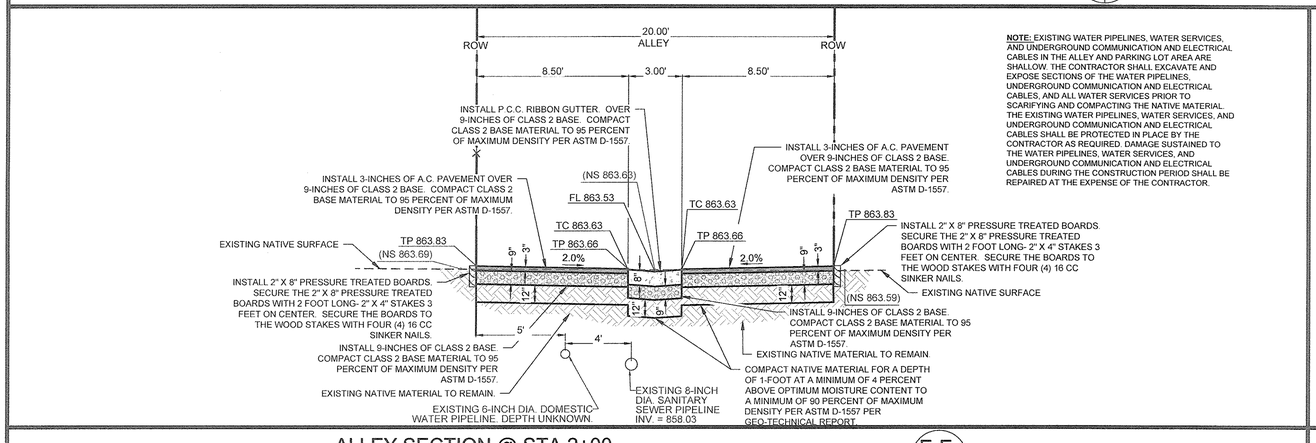
C-103 | C-106



ALLEY/PARKING LOT SECTION C-C

HORIZONTAL SCALE: 1"=4'
VERTICAL SCALE: 1"=4'

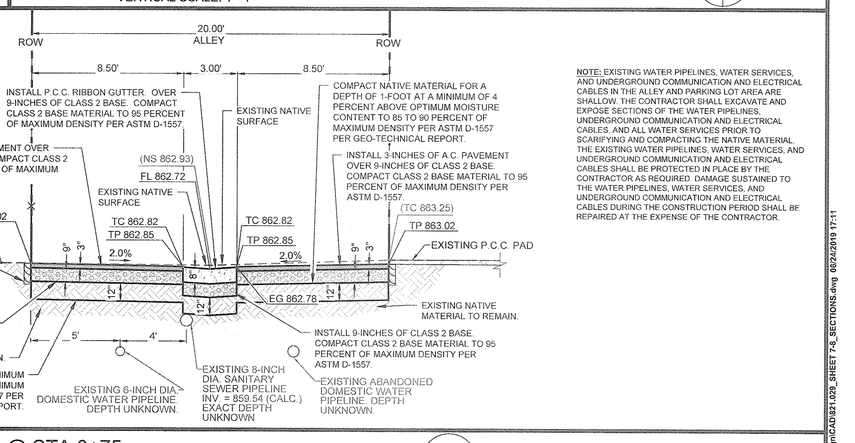
C-103 | C-106



SOUTH SIDEWALK SECTION D-D

HORIZONTAL SCALE: 1"=4'
VERTICAL SCALE: 1"=4'

C-103 | C-106



ALLEY SECTION @ STA 2+00 E-E

HORIZONTAL SCALE: 1"=4'
VERTICAL SCALE: 1"=4'

C-103 | C-106

ALLEY SECTION @ STA 0+75 F-F

HORIZONTAL SCALE: 1"=4'
VERTICAL SCALE: 1"=4'

C-105 | C-106

REVISION	DATE	COMMENTS

REGISTERED PROFESSIONAL ENGINEER JAMES G. "JACK" HOLT No. 31773 Exp. 12-31-20 CIVIL STATE OF CALIFORNIA

PREPARED UNDER THE DIRECT SUPERVISION OF:
JAMES G. "JACK" HOLT — 31773 R.C.E. No.
06/18/2019 DATE — 12/31/20 REG. EXP.

REGISTERED PROFESSIONAL ENGINEER JOHN A. GAY No. 62028 Exp. 9-30-19 CIVIL STATE OF CALIFORNIA

COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
APPROVED FOR CONSTRUCTION BY:
JOHN GAY, P.E. — 62028 R.C.E. No.
DIRECTOR OF PUBLIC WORKS
7/11/19 DATE — 09/30/19 REG. EXP.

PUBLIC WORKS DEPARTMENT
COUNTY OF IMPERIAL
EL CENTRO, CALIFORNIA

DATE	06/18/2019
DRAWN	RS
DESIGNED	RS
SCALE	1"=10'
CHECKED	JGH

PROJECT TITLE
COUNTY OF IMPERIAL
COMMUNITY AND ECONOMIC DEVELOPMENT
NILAND PUBLIC SAFETY FACILITY
SECTIONS

C-106

REFERENCE — THG #821.029

SHEET 7 OF 14

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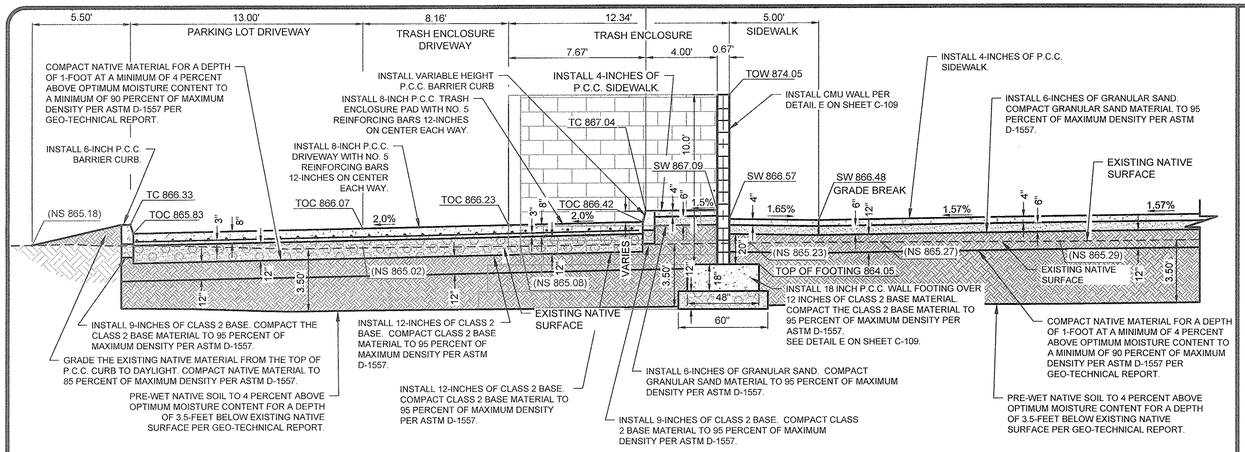
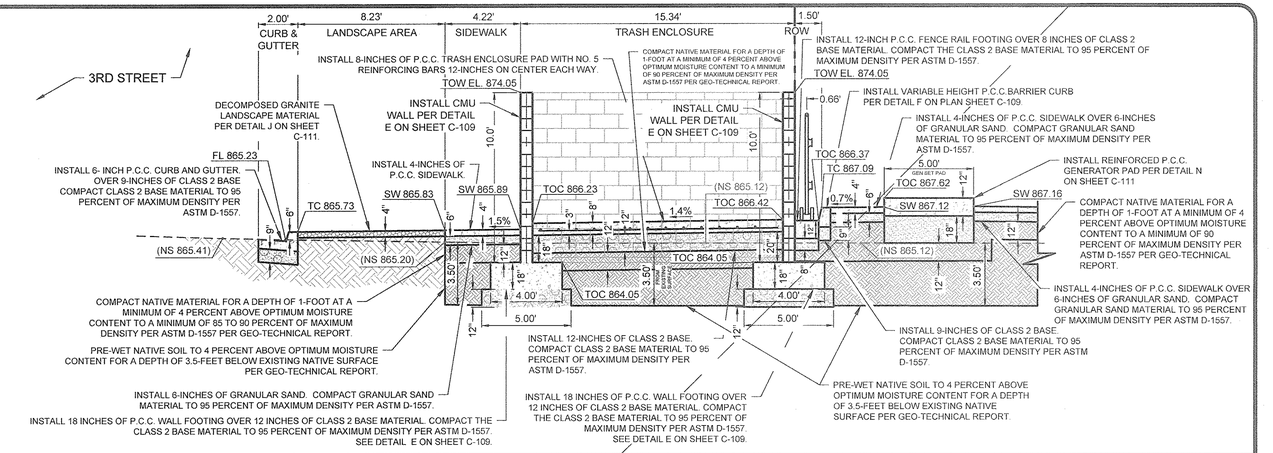


TRASH ENCLOSURE SECTION — G-G

HORIZONTAL SCALE: 1"=4'
VERTICAL SCALE: 1"=4'

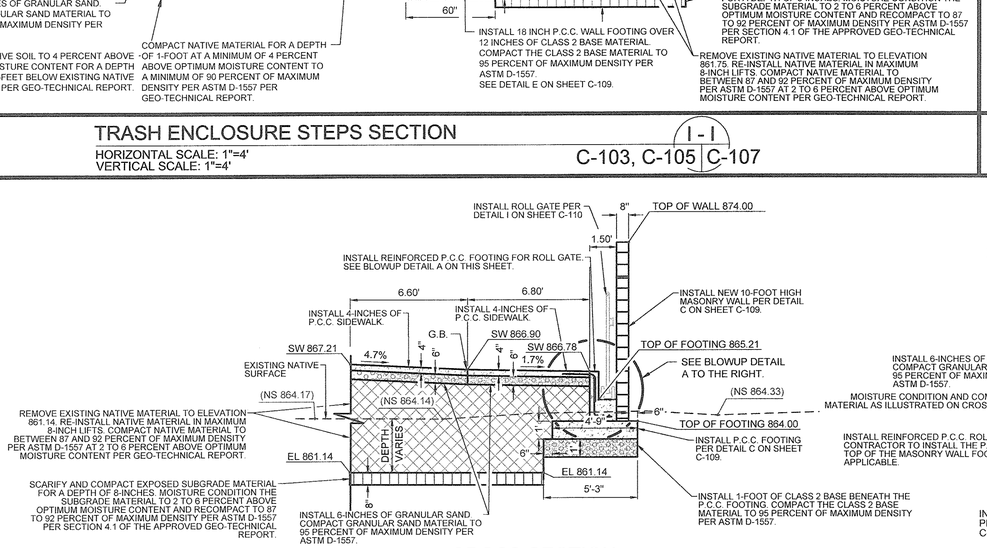
C-103, C-105 | C-107



TRASH ENCLOSURE STEPS SECTION — H-H

HORIZONTAL SCALE: 1"=4'
VERTICAL SCALE: 1"=4'

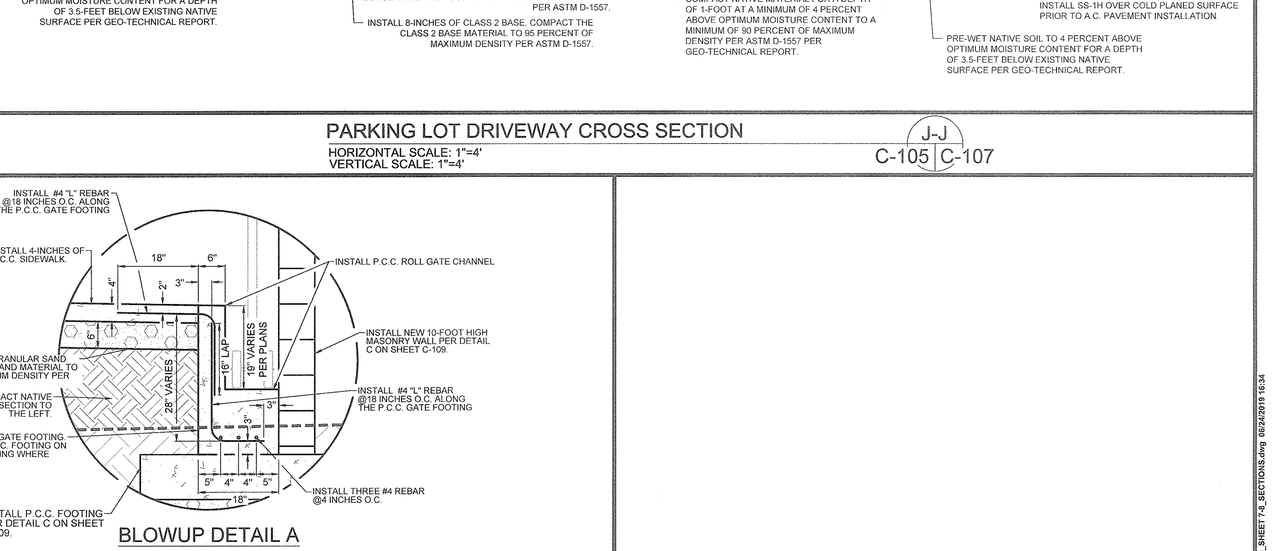
C-103, C-105 | C-107



TRASH ENCLOSURE STEPS SECTION — I - I

HORIZONTAL SCALE: 1"=4'
VERTICAL SCALE: 1"=4'

C-103, C-105 | C-107

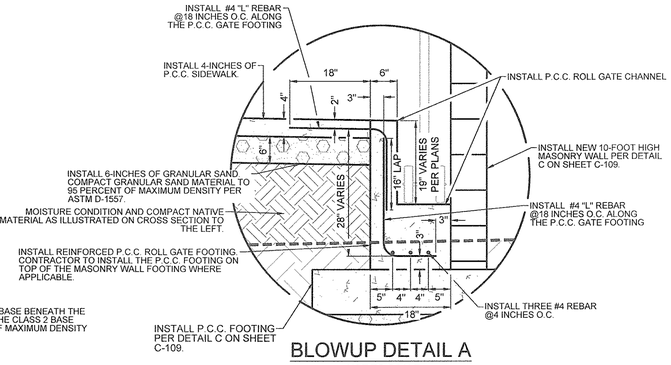


PARKING LOT DRIVEWAY CROSS SECTION — J-J

HORIZONTAL SCALE: 1"=4'
VERTICAL SCALE: 1"=4'

C-105 | C-107

CROSS SECTION



BLOWUP DETAIL A

NOT TO SCALE

ROLL GATE P.C.C. FOOTING CROSS SECTION — K-K

HORIZONTAL SCALE: 1"=4'
VERTICAL SCALE: 1"=4'

C-103 | C-107

REVISION	DATE	COMMENTS

REGISTERED PROFESSIONAL ENGINEER — JAMES G. HOLT — No. 31773 — Exp. 12-31-20 — CIVIL — STATE OF CALIFORNIA

PREPARED UNDER THE DIRECT SUPERVISION OF:

JAMES G. "JACK" HOLT — 31773 R.C.E. No.

06/18/2019 DATE — 12/31/20 REG. EXP.

REGISTERED PROFESSIONAL ENGINEER — JOHN A. GAY — No. 62028 — Exp. 9-30-19 — CIVIL — STATE OF CALIFORNIA

COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
APPROVED FOR CONSTRUCTION BY:

JOHN GAY, P.E. — 62028 R.C.E. No.
DIRECTOR OF PUBLIC WORKS

7/11/19 DATE — 09/30/19 REG. EXP.

PUBLIC WORKS DEPARTMENT
COUNTY OF IMPERIAL
EL CENTRO, CALIFORNIA

DATE	06/18/2019
DRAWN	RS
DESIGNED	RS
SCALE	1"=10'
CHECKED	JGH

PROJECT TITLE
COUNTY OF IMPERIAL
COMMUNITY AND ECONOMIC DEVELOPMENT
NILAND PUBLIC SAFETY FACILITY

SECTIONS

C-107

REFERENCE — THG #821.029

SHEET 8 OF 14

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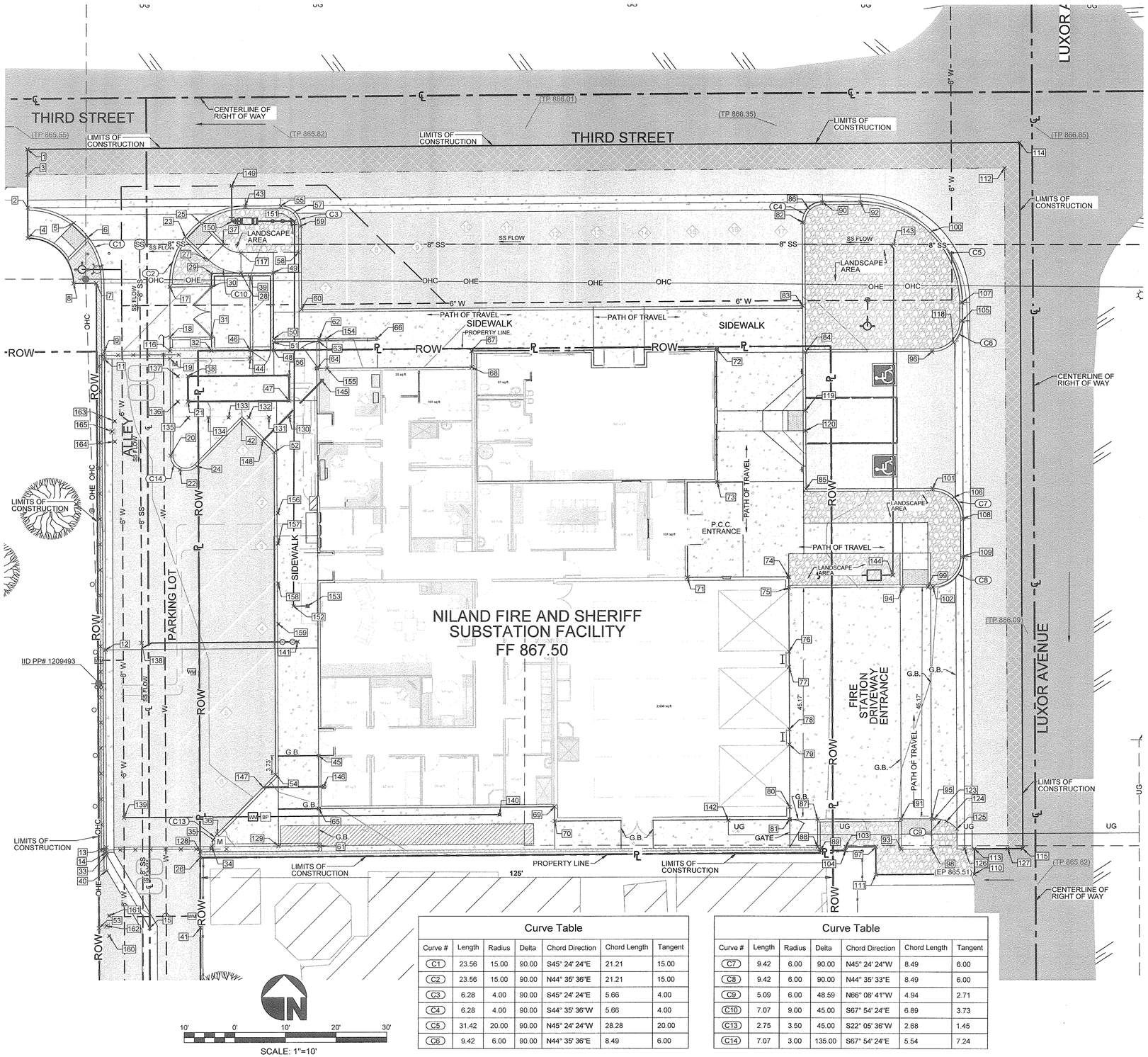

Curve Table						
Curve #	Length	Radius	Delta	Chord Direction	Chord Length	Tangent
C1	23.56	15.00	90.00	S45° 24' 24"E	21.21	15.00
C2	23.56	15.00	90.00	N44° 35' 36"E	21.21	15.00
C3	6.28	4.00	90.00	S45° 24' 24"E	5.66	4.00
C4	6.28	4.00	90.00	S44° 35' 36"W	5.66	4.00
C5	31.42	20.00	90.00	N45° 24' 24"W	28.28	20.00
C6	9.42	6.00	90.00	N44° 35' 36"E	8.49	6.00

Curve Table						
Curve #	Length	Radius	Delta	Chord Direction	Chord Length	Tangent
C7	9.42	6.00	90.00	N45° 24' 24"W	8.49	6.00
C8	9.42	6.00	90.00	N44° 35' 33"E	8.49	6.00
C9	5.09	6.00	48.59	N66° 06' 41"W	4.94	2.71
C10	7.07	9.00	45.00	S67° 54' 24"E	6.89	3.73
C13	2.75	3.50	45.00	S22° 05' 36"W	2.68	1.45
C14	7.07	3.00	135.00	S67° 54' 24"E	5.54	7.24

Point Table			
Point #	Northing	Easting	Description
1	2031399.98	6786922.11	LIMITS OF CONST.
2	2031388.48	6786922.19	BC-FL
3	2031394.97	6786922.14	SAWCUT
4	2031382.48	6786922.23	BC-BOC
5	2031385.47	6786931.31	RAMP-FOC
6	2031382.66	6786934.16	RAMP-FOC
7	2031373.58	6786935.79	LIMITS OF CONST.
8	2031373.54	6786931.29	LIMITS OF CONST.
9	2031360.09	6786937.39	FL-FOOTING
11	2031358.59	6786937.40	FL-FOOTING
12	2031301.26	6786937.81	FL
13	2031262.26	6786938.08	FL-FOOTING
14	2031261.26	6786938.09	FL-FOOTING
15	2031246.32	6786946.70	FL-PI
17	2031372.85	6786950.30	FOC-PI
18	2031362.85	6786950.37	FOC-PI
19	2031358.68	6786950.40	FOC-PI
20	2031339.56	6786950.54	EC-FOC
21	2031350.21	6786953.96	GENPAD-COR
22	2031336.80	6786952.41	MC-FOC
23	2031382.80	6786953.30	RAMP-FOC
24	2031337.47	6786955.67	BC-FOC
25	2031385.65	6786956.11	RAMP-FOC
26	2031260.22	6786956.60	LIMITS OF CONST.
27	2031378.21	6786957.96	EC-SW
28	2031375.62	6786964.34	BC-SW
29	2031375.58	6786958.44	COR-BLOCK
30	2031372.91	6786958.46	COR-BLOCK
31	2031362.91	6786958.53	COR-BLOCK
32	2031360.24	6786958.55	COR-BLOCK
33	2031260.86	6786938.09	FL-PI
34	2031262.41	6786958.90	BC-FOC
35	2031263.75	6786959.19	MC-FOC
36	2031264.89	6786959.94	EC-FOC
37	2031381.06	6786960.77	EC-SW
38	2031355.20	6786953.92	GENPAD-COR
39	2031374.96	6786966.12	FOC-END
40	2031257.59	6786938.12	FOC-END
41	2031246.39	6786956.70	EP
42	2031346.55	6786964.62	EC-FOC
43	2031388.79	6786965.19	EC-FL
44	2031358.79	6786966.23	FOC-PI
45	2031280.30	6786979.96	SW-GB
46	2031360.29	6786966.22	COR-BLOCK
47	2031350.35	6786973.96	GENPAD-COR
48	2031360.33	6786970.89	COR-BLOCK
49	2031375.66	6786970.78	COR-BLOCK
50	2031362.58	6786970.87	COR-BLOCK
51	2031361.91	6786970.88	COR-BLOCK
52	2031340.23	6786971.03	BC-FOC
53	2031246.28	6786936.66	EP
54	2031276.60	6786971.48	FOC-PI
55	2031388.84	6786972.19	BC-FL
56	2031355.35	6786973.92	GENPAD-COR
57	2031387.68	6786975.02	MC-FOC
58	2031379.70	6786975.75	SW-BOC
59	2031384.86	6786976.22	EC-FOC
60	2031368.36	6786976.33	FOC-PI
61	2031262.56	6786980.08	FOC-FOOTING
62	2031362.64	6786979.87	COR-BLOCK
63	2031361.97	6786979.88	COR-BLOCK
64	2031356.72	6786979.42	COR-BLDG
65	2031269.89	6786980.03	GB-COR-BLDG
66	2031362.72	6786991.37	HANDRAIL END
67	2031360.10	6787009.98	COR-BLDG

Point Table			
Point #	Northing	Easting	Description
68	2031356.94	6787010.00	COR-BLDG
69	2031270.22	6787026.61	COR-BLDG
70	2031267.39	6787026.63	COR-BLDG
71	2031315.40	6787052.71	COR-BLDG
72	2031360.45	6787058.39	COR-BLDG
73	2031334.28	6787058.58	COR-BLDG
74	2031315.55	6787072.71	COR-BLDG
75	2031313.38	6787072.72	FOC-END
76	2031300.80	6787072.81	COR-BLDG
77	2031297.80	6787072.84	COR-BLDG
78	2031285.46	6787072.92	COR-BLDG
79	2031282.46	6787072.94	COR-BLDG
80	2031270.13	6787073.03	COR-BLDG
81	2031267.71	6787073.05	COR-BLDG
82	2031385.57	6787075.21	BC-FOC
83	2031369.07	6787075.33	FOC-PI
84	2031359.91	6787075.90	FOC-PI
85	2031332.91	6787076.09	FOC-PI
86	2031388.40	6787076.36	MC-FOC
87	2031267.75	6787078.55	FOC-PI
88	2031262.26	6787078.59	FOC-END
89	2031261.59	6787079.09	COR-BLOCK
90	2031389.59	6787079.18	EC-FL
91	2031267.87	6787095.05	FOC-PI-SW
92	2031389.65	6787086.68	BC-FL
93	2031261.87	6787095.10	FOC-END-SW
94	2031313.54	6787095.22	RAMP-FOC
95	2031267.91	6787101.05	SW
96	2031360.09	6787100.89	EC-FOC
97	2031262.33	6787090.07	LIMITS OF CONST.
98	2031261.91	6787101.09	SW
99	2031313.58	6787100.22	RAMP-FOC
100	2031383.89	6787100.87	MC-FL
101	2031333.09	6787101.09	BC-FOC
102	2031313.59	6787101.22	EC-FOC
103	2031262.29	6787084.09	LIMITS OF CONST
104	2031261.63	6787084.09	LIMITS OF CONST
105	2031366.13	6787106.85	BC-FL
106	2031331.36	6787105.34	MC-FOC
107	2031369.79	6787106.83	EC-FL
108	2031327.13	6787107.13	EC-FL
109	2031319.63	6787107.18	BC-FL
110	2031256.97	6787109.58	LIMITS OF CONST
111	2031256.83	6787090.09	LIMITS OF CONST
112	2031396.34	6787115.14	SAWCUT
113	2031261.97	6787109.54	LIMITS OF CONST
114	2031401.37	6787118.10	LIMITS OF CONST
115	2031262.04	6787119.09	LIMITS OF CONST
116	2031360.18	6786950.39	COR-BLOCK
117	2031379.62	6786964.31	BC-SW
118	2031361.87	6787105.12	MC-FOC
119	2031348.41	6787075.98	RAMP-FOC
120	2031344.41	6787076.00	RAMP-FOC
123	2031267.91	6787101.55	EC-DW
124	2031267.40	6787104.02	MC-DW
125	2031265.91	6787106.06	BC-DW
126	2031261.96	6787107.59	FL
127	2031262.02	6787116.09	SAWCUT
128	2031261.37	6786956.62	COR-BLOCK
129	2031262.50	6786972.08	FOC-FOOTING
130	2031347.18	6786973.98	BOLLARD
131	2031347.15	6786969.98	BOLLARD
132	2031347.12	6786965.98	BOLLARD
133	2031347.09	6786961.98	BOLLARD
134	2031347.07	6786957.98	BOLLARD

Point Table			
Point #	Northing	Easting	Description
135	2031347.04	6786953.98	BOLLARD
136	2031350.19	6786951.96	BOLLARD
137	2031355.19	6786951.93	BOLLARD
138	2031302.58	6786944.93	SS SRVC
139	2031268.14	6786941.54	WTR SRVC
140	2031268.66	6787015.75	WTR POC
141	2031302.81	6786975.76	SS POC
142	2031267.51	6787060.91	GAS POC
143	2031381.26	6787093.28	SWR
144	2031315.95	6787093.28	SWR
145	2031354.31	6786980.43	ROOF DR
146	2031274.19	6786981.00	ROOF DR
147	2031274.11	6786969.03	STORM DR
148	2031342.47	6786968.76	STORM DR
149	2031392.77	6786962.48	FIRE SRVC
150	2031385.83	6786962.52	FIRE SRVC
151	2031385.83	6786974.92	FIRE SRVC
152	2031309.84	6786974.92	FIRE SRVC
153	2031309.86	6786977.71	FIRE SRVC
154	2031362.65	6786981.37	TOP RAMP
155	2031356.73	6786981.42	TOP RAMP
156	2031328.22	6786971.78	BOLLARD
157	2031322.22	6786971.83	BOLLARD
158	2031314.32	6786971.88	BOLLARD
159	2031306.32	6786971.94	BOLLARD
160	2031244.76	6786938.71	BOLLARD
161	2031248.76	6786938.68	BOLLARD
162	2031246.76	6786938.19	KEYPAD
163	2031346.35	6786939.49	BOLLARD
164	2031342.35	6786939.52	BOLLARD
165	2031344.35	6786939.00	KEYPAD

REVISION	DATE	COMMENTS

REGISTERED PROFESSIONAL ENGINEER — JAMES G. HOLT — No. 31773 Exp. 12-31-20 — CIVIL — STATE OF CALIFORNIA

PREPARED UNDER THE DIRECT SUPERVISION OF:
JAMES G. "JACK" HOLT — 31773 R.C.E. No.
06/18/2019 DATE — 12/31/20 REG. EXP.

REGISTERED PROFESSIONAL ENGINEER — JOHN A. GAY — No. 62028 Exp. 9-30-19 — CIVIL — STATE OF CALIFORNIA

COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
APPROVED FOR CONSTRUCTION BY:
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DIRECTOR OF PUBLIC WORKS
7/11/19 DATE — 09/30/19 REG. EXP.

PUBLIC WORKS DEPARTMENT
COUNTY OF IMPERIAL
EL CENTRO, CALIFORNIA

DATE	06/18/2019
DRAWN	RS
DESIGNED	RS
SCALE	1"=10'
CHECKED	JGH

PROJECT TITLE
COUNTY OF IMPERIAL
COMMUNITY AND ECONOMIC DEVELOPMENT
NILAND PUBLIC SAFETY FACILITY
HORIZONTAL CONTROL PLAN AND CURVE DATA TABLE

C-108

REFERENCE — THG #821.029

SHEET 9 OF 14

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