

BEHAVIORAL HEALTH BUILDING GRADING & IMPROVEMENT PLANS PARKING RENOVATION LOT 5E & ALLEY

County Project No. SR6232BH

SHEET 1 OF 10 SHEETS
JOB NO. C21006-00
TITLE SHEET
DRAWN BY: STAFF
CLIENT: COUNTY OF IMPERIAL, CA

LC ENGINEERING CONSULTANTS INC.
CIVIL ENGINEERING - LAND SURVEYING - CONSTRUCTION MANAGEMENT SERVICES
1065 State Street
El Centro CA 92543
www.lce-inc.com
info@lce-inc.com
tel: 760-353-8110
fax: 760-353-8488
DATE: 09/07/21
BENCHMARK: NW CORNER BUILDING COURTHOUSE

GENERAL NOTES:

1. THE STREET PAVEMENT STRUCTURAL SECTIONS SHALL BE IN ACCORDANCE WITH CITY OF EL CENTRO STANDARDS (OR CALTRANS IF IN STATE ROW) AND AS APPROVED BY THE CITY PUBLIC WORKS DIRECTOR (OR CALTRANS).
2. APPROVAL OF THESE IMPROVEMENT PLANS AS SHOWN DOES NOT CONSTITUTE APPROVAL OF ANY CONSTRUCTION OUTSIDE THE PROJECT BOUNDARY.
3. ALL UNDERGROUND UTILITIES WITHIN THE STREET RIGHT-OF-WAY SHALL BE CONSTRUCTED, CONNECTED AND TESTED PRIOR TO CONSTRUCTION OF BERM, CURB, CROSS-GUTTER AND PAVING.
4. THE EXISTENCE AND LOCATION OF EXISTING UNDERGROUND FACILITIES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO OTHER EXISTING FACILITIES EXCEPT AS SHOWN ON THESE PLANS. HOWEVER, THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT ANY EXISTING FACILITY SHOWN HEREON AND ANY OTHER WHICH IS NOT OF RECORD OR NOT SHOWN ON THESE PLANS.
5. LOCATION AND ELEVATION OF IMPROVEMENTS TO BE MET BY WORK TO BE DONE SHALL BE CONFIRMED BY FIELD MEASUREMENTS PRIOR TO CONSTRUCTION OF NEW WORK. CONTRACTOR WILL MAKE EXPLORATORY EXCAVATIONS AND LOCATE EXISTING UNDERGROUND FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS ARE NECESSARY BECAUSE OF ACTUAL LOCATION OF EXISTING FACILITIES.
6. ACCURATE VERIFICATION AS TO SIZE, LOCATION AND DEPTH OF EXISTING UNDERGROUND SERVICES SHALL BE THE CONTRACTOR'S RESPONSIBILITY. THE CONTRACTOR SHALL NOTIFY THE SOUTHERN CALIFORNIA GAS COMPANY, PACIFIC BELL TELEPHONE COMPANY, IMPERIAL IRRIGATION DISTRICT AND ANY OTHER AFFECTED UTILITY AGENCIES PRIOR TO STARTING HIS WORK NEAR SUCH UTILITY FACILITIES AND SHALL COORDINATE HIS WORK WITH UTILITY REPRESENTATIVES. FOR LOCATION OF UNDERGROUND UTILITIES AND APPURTENANCES, CONTACT "UNDERGROUND SERVICE ALERT" AT 811.
7. IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER TO CONTACT THE UTILITY AGENCIES, ADVISE THEM OF THE PROPOSED IMPROVEMENTS AND BEAR THE COST OF RELOCATIONS, IF NEEDED.
8. CONTRACTOR WILL BE RESPONSIBLE FOR THE REPLACEMENT OF ANY STRIPING, PAVEMENT MARKERS, OR LEGENDS OBLITERATED BY THE CONSTRUCTION OF THIS PROJECT.
9. THE CONTRACTOR SHALL DO ALL NEW STRIPING AND SANDBLASTING OF REDUNDANT STRIPING.
10. NO REVISIONS OF ANY KIND SHALL BE MADE TO THESE PLANS WITHOUT THE PRIOR WRITTEN APPROVAL OF BOTH THE CITY ENGINEER (OR HIS REPRESENTATIVE) AND THE ENGINEER OF RECORD. A REPRODUCIBLE AS-BUILT PLAN SET WILL BE PROVIDED TO THE PUBLIC WORKS DEPARTMENT AS A CONDITION OF SUBSTANTIAL CONSTRUCTION COMPLETION AND PRIOR TO ACCEPTANCE.
11. ALL WORK AND MATERIALS SHALL CONFORM TO THESE PLANS AND SPECIFICATIONS, THE CITY OF EL CENTRO DEPARTMENT OF PUBLIC WORKS STANDARDS, ANY REFERENCED STANDARDS AND SPECIFICATIONS AND THE SPECIFICATIONS & THE REQUIREMENTS OF THE AGENCIES REFERRED TO HEREIN. ALL WORK SHOWN OR INDICATED BY THESE PLANS SHALL BE COMPLETED IN ACCORDANCE WITH THE STANDARDS, POLICIES AND REGULATIONS OF THE CITY OF EL CENTRO, WHERE, OR IF, CONFLICTS OCCUR, THEN THE CITY REQUIREMENTS SHALL GOVERN.
12. UNLESS SPECIFICALLY INDICATED OTHERWISE METHODS EMPLOYED AND MATERIALS USED IN THE CONSTRUCTION OF ALL OFFSITE IMPROVEMENTS SHALL CONFORM TO THE APPLICABLE PROVISIONS OF THE "STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS DATED MAY 2010". ALL WORK IS SUBJECT TO INSPECTION AND APPROVAL AS REQUIRED.
13. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN AN EXCAVATION PERMIT FROM THE STATE OF CALIFORNIA DIVISION OF SAFETY AND TO ADHERE TO ALL PROVISIONS OF THE STATE OF CALIFORNIA CONSTRUCTION SAFETY ORDERS AND STANDARDS.
14. IT SHALL BE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A GENERAL CONSTRUCTION ACTIVITY STORM WATER PERMIT FROM THE STATE WATER RESOURCES CONTROL BOARD DIVISION OF WATER QUALITY, CONTACT "STATE WATER RESOURCES CONTROL BOARD, DIVISION OF WATER QUALITY, ATTENTION: STORM WATER PERMIT UNIT, P.O. BOX 1977, SACRAMENTO, CALIFORNIA, 95812."
15. CONSTRUCTION PROJECTS DISTURBING MORE THAN ONE ACRE MUST OBTAIN A NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT. OWNER/DEVELOPERS ARE REQUIRED TO FILE A NOTICE OF INTENT (NOI) WITH THE STATE WATER RESOURCES CONTROL BOARD, PREPARE A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND MONITORING PLAN FOR THE SITE.
16. AS DETERMINED BY THE CITY, PUBLIC WORKS DIRECTOR /ROAD COMMISSIONER, THE DEVELOPER IS RESPONSIBLE, AS A MINIMUM, FOR ROAD IMPROVEMENTS TO CENTERLINE, AND MAY BE REQUIRED TO RECONSTRUCT EXISTING TO MEET THE STRUCTURAL STANDARDS FOR THE CURRENT ASSIGNED TRAFFIC INDEX.
17. EXISTING STORM DRAIN PIPES/CULVERTS WHETHER TO BE CONNECTED TO, EXTENDED, ADJUSTED, DRAINED TO, OR JUST IN PROJECT VICINITY SHALL BE REPAIRED AND/OR CLEANED TO MAKE THEM FUNCTIONAL AND ACCEPTABLE AS DIRECTED BY THE CITY PUBLIC WORKS DEPARTMENT.
18. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH M.U.T.C.D.-LATEST EDITION OR AS DIRECTED BY THE CITY TRAFFIC ENGINEER.
19. ANY EXISTING SURVEY MONUMENTS OR COUNTY/CITY RECOGNIZED BENCHMARKS SHALL BE PROTECTED BY THE CONTRACTOR. SHOULD ANY SUCH MONUMENTS OR BENCHMARKS BE REMOVED, DAMAGED, OBLITERATED OR ALTERED BY THE CONTRACTOR'S OPERATIONS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER RESETTING OF THE SAME AS PER THE SUBDIVISION MAP ACT, THE PROFESSIONAL LAND SURVEYORS ACT AND TO THE SATISFACTION OF THE COUNTY SURVEYOR/DIRECTOR OF PUBLIC WORKS.
20. THE ENGINEER OF RECORD SHALL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO COMPLY WITH THESE CONSTRUCTION DOCUMENTS AND SPECIFICATIONS.
21. PRIOR TO ANY WORK WITHIN CITY R/W CONTRACTOR SHALL OBTAIN ENCROACHMENT PERMIT FROM CITY OF EL CENTRO. OTHER ENCROACHMENT PERMITS MAY BE NECESSARY IF WORK IS TO BE DONE IN ID, COUNTY OR CALTRANS JURISDICTION.

ENGINEER NOTES

1. NOTHING CONTAINED IN THE CONTRACT DOCUMENTS SHALL CREATE, NOR SHALL BE CONSTRUED TO CREATE, ANY CONTRACTUAL RELATIONSHIP BETWEEN THE ENGINEER AND THE CONTRACTOR OR ANY SUBCONTRACTOR.
2. ANY VARIATIONS FROM THESE PLANS SHALL BE PROPOSED ON CONSTRUCTION FIELD PRINTS AND TRANSMITTED TO THE ENGINEER.
3. THE CONTRACTOR SHALL PROTECT AND MAINTAIN ALL EXISTING UTILITIES ON THE SITE. ANY DAMAGE TO EXISTING UTILITIES, WHETHER SHOWN OR NOT SHOWN ON THE DRAWINGS, SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
4. EXISTING SURFACE FEATURES AND FENCING SHALL BE REPLACED IN KIND IF DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION.
5. ANY INSPECTION BY THE CITY OR THE ENGINEER SHALL NOT, IN ANY WAY, RELIEVE THE CONTRACTOR FROM ANY OBLIGATION TO PERFORM THE WORK IN COMPLIANCE WITH APPLICABLE CODES AND AGENCY REQUIREMENTS.
6. CONTRACTOR TO LOCATE ALL EXISTING PROPERTY MONUMENTS PRIOR TO CONSTRUCTION. ANY MONUMENTS DISTURBED DURING THE CONSTRUCTION OF THIS PROJECT SHALL BE REPLACED BY A REGISTERED LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE.
7. TRAFFIC CONTROL SHALL BE MAINTAINED IN ACCORDANCE WITH CITY OF EL CENTRO REQUIREMENTS.
8. PRIOR TO FINAL APPROVAL AND ACCEPTANCE OF THE WORK THE DEVELOPER/CONTRACTOR WILL BE REQUIRED TO CLEAN AND REPAIR ADJACENT THE (PUBLIC) ROADWAYS USED OR DAMAGED DURING THE COURSE OF CONSTRUCTION.
9. CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL STORM DRAIN PIPES AND DRAINAGE FACILITIES FROM DAMAGE DURING ALL STAGES OF CONSTRUCTION. THE DEPTH OF COVER ON THE STORM DRAINAGE PIPE IS DESIGNED FOR FINAL GRADE. THEREFORE, EXTRA CARE SUCH AS BERMING OVER PIPES, FLAGGING OR SIGNAGE SHOULD BE USED DURING CONSTRUCTION TO MAINTAIN COVER OR PROTECT THE PIPES.
10. THE ENGINEER MAKES NO REPRESENTATION OR GUARANTEE REGARDING EARTHWORK QUANTITIES OR THAT THE EARTHWORK FOR THIS PROJECT WILL BALANCE DUE TO THE VARYING FIELD CONDITIONS, CHANGING SOIL TYPES, ALLOWABLE CONSTRUCTION TOLERANCES AND CONSTRUCTION METHODS THAT ARE BEYOND THE CONTROL OF THE ENGINEER. PRIOR TO BIDDING THE WORK THE CONTRACTOR SHALL THOROUGHLY SATISFY HIMSELF AS TO THE ACTUAL CONDITIONS AND EARTHWORK QUANTITIES, IF ANY. NO CLAIM SHALL BE MADE AGAINST THE OWNER/DEVELOPER OR ENGINEER FOR ANY EXCESS OR DEFICIENCY THEREIN, ACTUAL OR RELATIVE.
11. ALL RELATIVE GEOTECHNICAL ASPECTS OF THE IMPROVEMENTS DEPICTED ON THESE PLANS, SHALL BE CONDUCTED IN STRICT ADHERENCE TO THE FINDINGS AND RECOMMENDATIONS IN THE GEOTECHNICAL INVESTIGATION REPORT PREPARED FOR THIS PROJECT BY: SCT, INC. ON REPORT TITLED "GEOTECHNICAL INVESTIGATION EL CENTRO COUNTY CIVIC CENTER PARKING LOT IMPROVEMENTS PARKING LOTS 5A-5E" FOR COUNTY PROJECT NO. SR6232BH IN EL CENTRO, CALIFORNIA, AND DATED: NOVEMBER 13, 2017.

BASIS OF COORDINATES:

COORDINATES SHOWN HEREON ARE IN TERMS OF THE CALIFORNIA COORDINATE SYSTEM ZONE 6, NAD83, EPOC 2017.50. EXISTING FIRST ORDER DPS CONTROL POINTS FOUND AND USED TO CONTRAIN NETWORK.
FIRST HORIZONTAL ORDER (NAD 83) REPEATER STATION IDENTIFIED AS "P 744" "IMPERIAL/VCCS2007 CRTN" LOCATED AT THE IMPERIAL VALLEY COLLEGE AND WAS USED FOR HORIZONTAL CALIBRATION, ACCORDING TO PUBLICATION FROM THE CALIFORNIA REAL TIME NETWORK (CRTN) AT SCRIPPS ORBIT AND PERMANENT ARRAY CENTER (SOPAC).
DESIGNATION - "P 744", "IMPERIAL/VCCS2007 CRTN"
NORTHING = 1882357.201; EASTING = 8789479.612

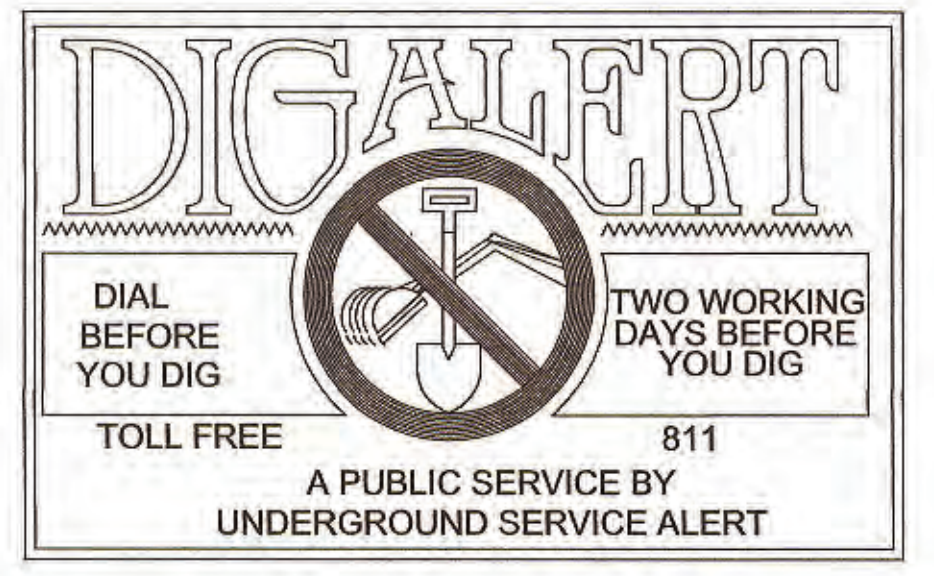
BENCHMARKS:

PROJECT BENCHMARK
BRASS DISK STAMPED "R 59 1927" IN EL CENTRO, AT THE SOUTHWEST CORNER OF THE INTERSECTION OF MAIN AND ELEVENTH STREETS, SET VERTICALLY IN THE NORTH FACE AND 2.8 FEET EAST OF THE NORTHWEST CORNER OF THE IMPERIAL COUNTY COURTHOUSE, IN T165 R14E S26E, NATIONAL GEODETIC SURVEY DESIGNATION "R-59" AND PID "D80708".
ELEVATION = -37.73 (NAVD 88)
EQUATION = ADD 1,000 FEET TO OBTAIN POSITIVE ELEVATION NUMBER
VALUES = 952.23
TBM # 1
CHISEL "X" ON TOP OF CURB AT THE END OF CURB RETURN AT THE NORTHWEST CORNER OF BROADWAY ROAD AND EIGHTH STREET INTERSECTION.
ELEVATION = 955.98

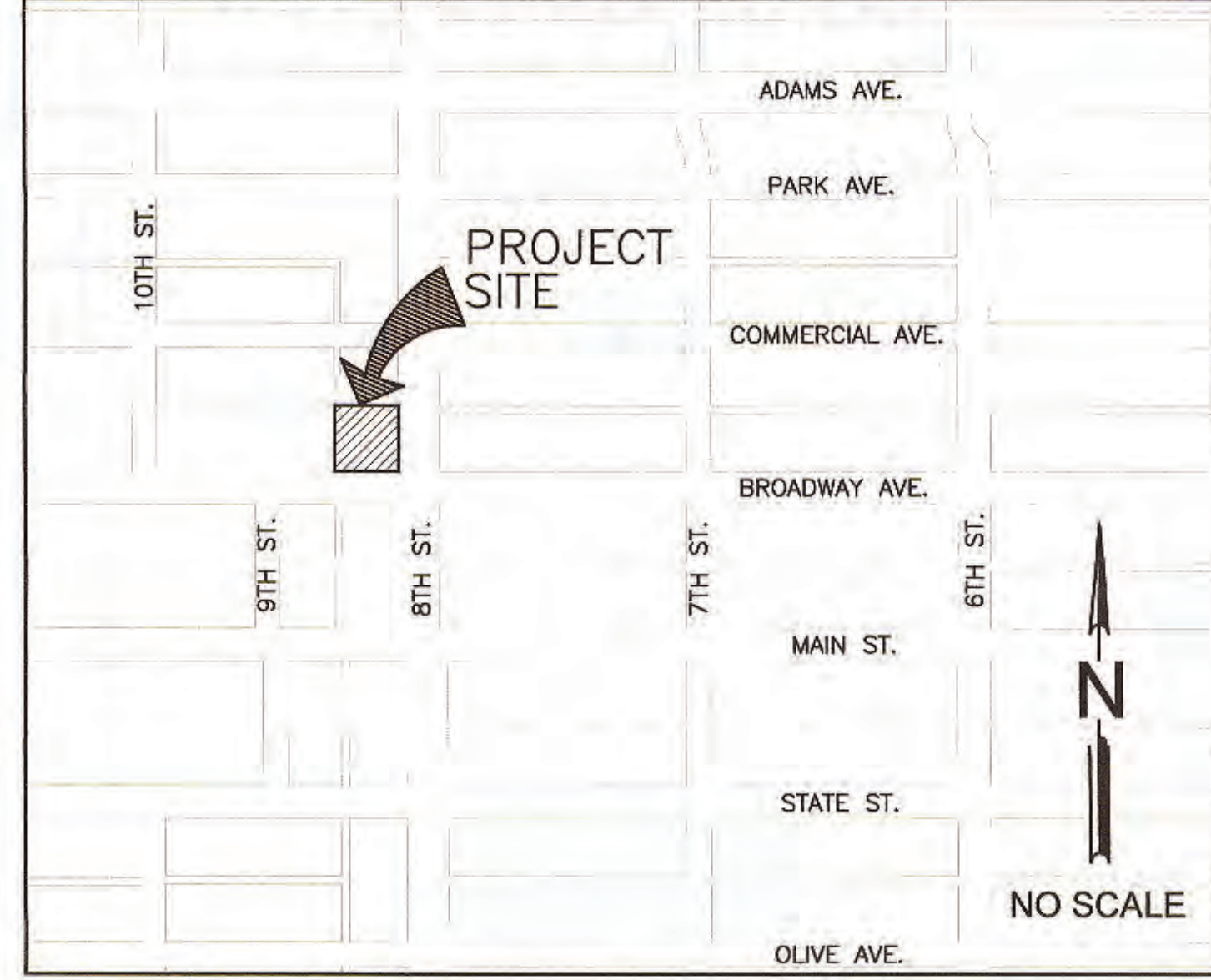
DECLARATION OF RESPONSIBLE CHARGE

I HEREBY DECLARE THAT I AM THE ENGINEER OF THE WORK OF THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION OF 67033 OF THE BUSINESS AND PROFESSIONS CODE AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.
I UNDERSTAND THAT THE CHECK OF THE PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF EL CENTRO IS CONFINED TO REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITY FOR PROJECT DESIGN.

MAURICIO LAM
LC ENGINEERING CONSULTANTS INC.
1065 STATE STREET
EL CENTRO, CALIFORNIA 92243
(760)353-8110
BY: 
MAURICIO LAM
R.C.E. No. 57,392
DATE: 09-07-2021
EXPIRATION DATE: 12/31/21



VICINITY MAP



OWNER/DEVELOPER:

COUNTY OF IMPERIAL
940 W. MAIN STREET #208
EL CENTRO, CA 92243
CONTACT INFORMATION:
NORMA ILLEGARD, CIP PROJECT COORDINATOR
COUNTY OF IMPERIAL DEPARTMENT OF PUBLIC WORKS
150 S. 11TH STREET
EL CENTRO, CA 92243

CIVIL ENGINEER

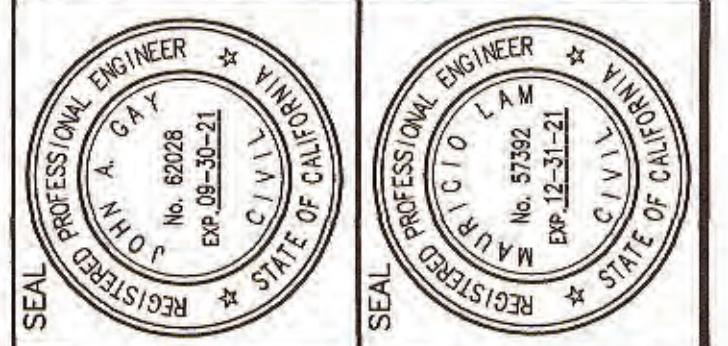
LC ENGINEERING CONSULTANTS INC.
1065 STATE STREET
EL CENTRO, CA 92243
PHONE: (760) 353-8110


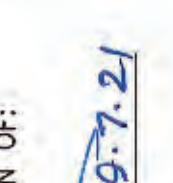
ASSESSOR'S PARCEL NUMBER:

053-026-013

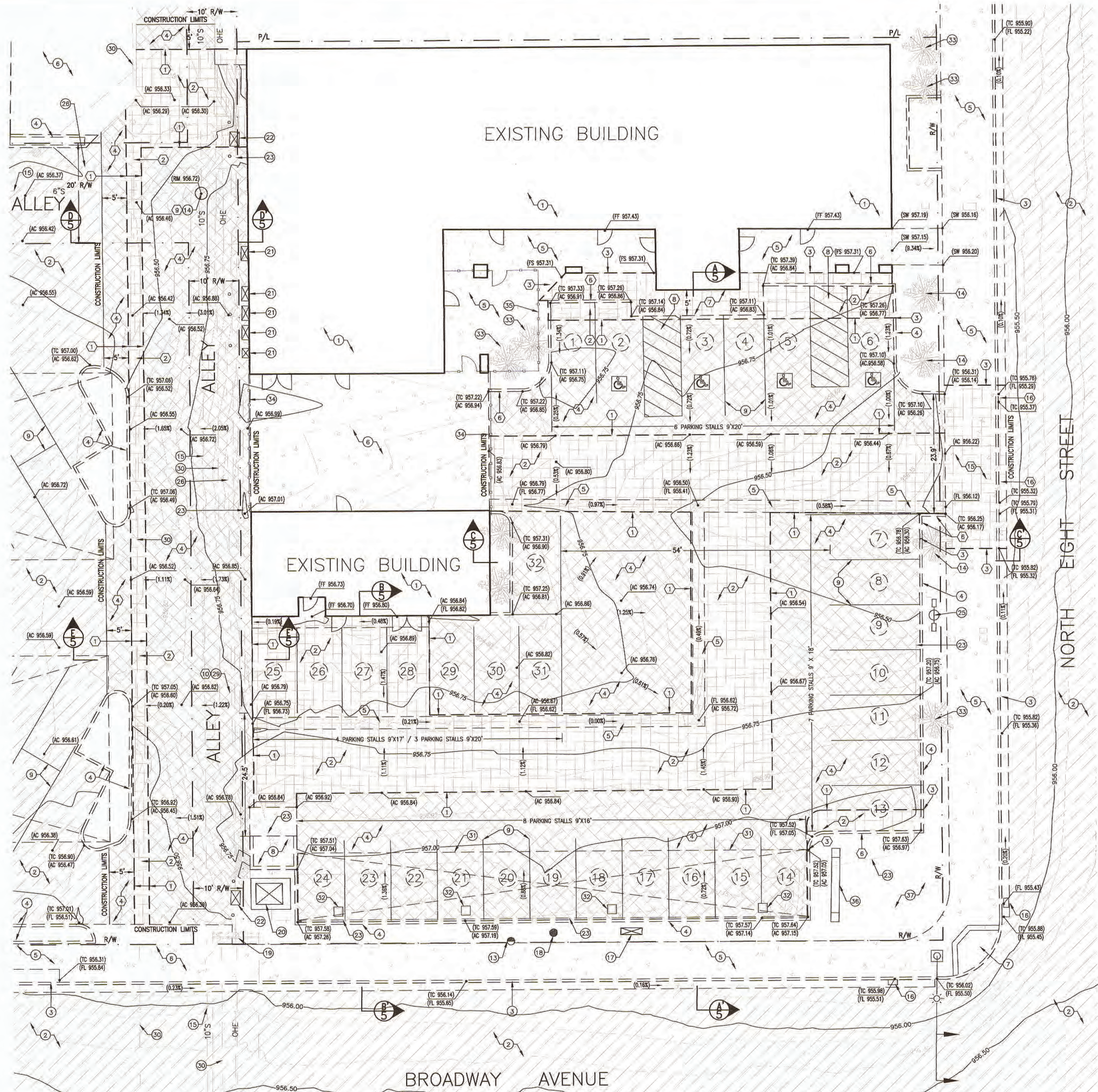
SHEET INDEX

1. TITLE SHEET
2. TOPO AND DEMOLITION PLAN
3. SITE, HORIZONTAL CONTROL AND STRIPING PLAN
4. GRADING PLAN
5. CROSS SECTIONS
6. DETAILS
7. SPECIFICATIONS
8. TRAFFIC CONTROL PLAN
9. TRAFFIC CONTROL PLAN
10. EROSION CONTROL PLAN



COUNTY OF IMPERIAL DEPARTMENT OF PUBLIC WORKS
APPROVED FOR CONSTRUCTION BY:
BY: 
JOHN A. GAY / P.E.
R.C.E. NO.: 62028
DATE: 9/8/21
ENGINEER OF RECORD
PLANS PREPARED UNDER THE SUPERVISION OF:
BY: 
MAURICIO LAM, P.E.
R.C.E. NO.: 57392
DATE: 9-7-21

No.	REVISIONS	DATE	BY



EXISTING KEYNOTES:

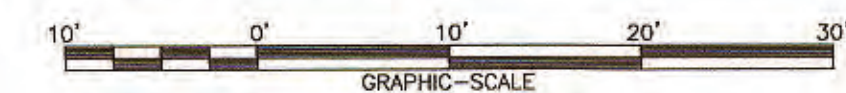
- | | |
|--|--|
| 1 EXISTING BUILDING STRUCTURE. | 21 EXISTING ELECTRIC PANEL. |
| 2 EXISTING A.C. PAVEMENT. | 22 EXISTING COMMUNICATION PEDESTAL. |
| 3 EXISTING CURB AND GUTTER. | 23 EXISTING UNDERGROUND ELECTRIC LINE. |
| 4 EXISTING CURB. | 24 EXISTING OVERHEAD ELECTRIC LINE. |
| 5 EXISTING SIDEWALK. | 25 EXISTING STREET LIGHT. |
| 6 EXISTING DRIVEWAY. | 26 EXISTING TELECOMMUNICATION LINE. |
| 7 EXISTING HANDICAP RAMP. | 27 EXISTING UTILITY BOX. |
| 8 EXISTING TRASH ENCLOSURE. | 28 EXISTING IRRIGATION BOX. |
| 9 EXISTING STRIPING. | 29 EXISTING GAS VALVE. |
| 10 EXISTING SIGN. | 30 EXISTING GAS LINE. |
| 11 EXISTING WATER METER. | 31 EXISTING SOLAR CANOPY. |
| 12 EXISTING WATER VALVE. | 32 EXISTING CANOPY COLUMN. |
| 13 EXISTING FIRE HYDRANT. | 33 EXISTING PALM TREE. |
| 14 EXISTING SEWER MANHOLE. | 34 EXISTING 5' H ACCESS GATE. |
| 15 EXISTING SEWER PIPELINE. | 35 EXISTING 8' H IRON FENCE. |
| 16 EXISTING SD CATCH BASIN. | 36 EXISTING BUILDING SIGN. |
| 17 EXISTING WATER BACKFLOW PREVENTER. | 37 EXISTING LANDSCAPE AREA. |
| 18 EXISTING ABANDON CONCRETE PEDESTAL. | |
| 19 EXISTING POWER POLE. | |
| 20 EXISTING IID TRANSFORMER. | |

DEMOLITION KEYNOTES:

- SAWCUT EXISTING AC FOR THE FULL DEPTH OF AC PER DETAILS ON SHEET 6.
- REMOVE AND DISPOSE OF EXISTING A.C. PAVEMENT AND UNDERLYING MATERIAL TO SUBGRADE DESIGN GRADE.
- SAWCUT EXISTING CONCRETE TO ITS FULL DEPTH AND DISPOSE OF THE MATERIAL PRODUCT DEMOLITION.
- GRIND ASPHALT 1.5 INCHES AND DISPOSE OF MATERIAL PER DETAILS ON SHEET 6.
- REMOVE AND DISPOSE OF EXISTING PCC CROSS GUTTER.
- REMOVE AND DISPOSE OF EXISTING PCC CURB.
- REMOVE AND DISPOSE OF EXISTING PCC SIDEWALK.
- REMOVE AND DISPOSE OF EXISTING AC HANDICAP RAMP.
- EXISTING MANHOLE FRAME/COVER TO BE LOWERED 0.30' BEFORE PAVING, AFTER PAVING ADJUST MANHOLE FRAME/COVER TO 3/8" BELOW GRADE AND INSTALL A PCC CONCRETE RING ONE FOOT WIDE AND ONE FOOT DEEP AROUND THE MANHOLE FRAME/COVER.
- ADJUST EXISTING GAS VALVE COVER AFTER PAVING AND INSTALL A PCC CONCRETE RING 8" WIDE AND 8" DEEP AROUND THE VALVE COVER HOUSING.
- REMOVE OF EXISTING SIGN.
- REMOVE OF EXISTING WHEEL STOP BUMPER.
- REMOVE OF EXISTING PROTECTION POST.
- RELOCATE EXISTING PALM TREE AS REQUIRED.
- REMOVE AND DISPOSE OF EXISTING PCC DRIVEWAY.
- REMOVE AND DISPOSE OF EXISTING PCC CURB AND GUTTER.

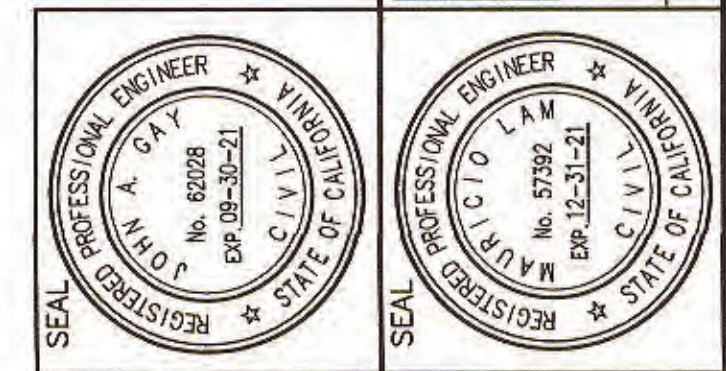
ENGINEERING NOTES:

- NOTHING CONTAINED IN THE CONTRACT DOCUMENTS SHALL CREATE, NOR SHALL BE CONSTRUED TO CREATE, ANY CONTRACTUAL RELATIONSHIP BETWEEN THE ENGINEER AND THE CONTRACTOR OR ANY SUBCONTRACTOR.
- ANY VARIATION FROM THESE PLANS SHALL BE PROPOSED ON CONSTRUCTION FIELD PRINTS AND TRANSMITTED TO THE ENGINEER FOR HIS REVIEW AND APPROVAL.
- THE CONTRACTOR SHALL PROTECT AND MAINTAIN ALL EXISTING UTILITIES ON THE SITE. ANY DAMAGE TO EXISTING UTILITIES, WHETHER SHOWN OR NOT SHOWN ON THE DRAWINGS, SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- EXISTING SURFACE FEATURES AND FENCING SHALL BE REPLACED IN KIND IF DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION.
- ANY INSPECTION BY THE CITY OR THE ENGINEER SHALL NOT, IN ANY WAY, RELIEVE THE CONTRACTOR FROM ANY OBLIGATION TO PERFORM THE WORK IN COMPLIANCE WITH APPLICABLE CODES AND AGENCY REQUIREMENTS.
- CONTRACTOR TO LOCATE ALL EXISTING PROPERTY MONUMENTS PRIOR TO CONSTRUCTION. ANY MONUMENTS DISTURBED DURING THE CONSTRUCTION OF THIS PROJECT SHALL BE REPLACED BY A REGISTERED LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE.
- TRAFFIC CONTROL SHALL BE MAINTAINED IN ACCORDANCE WITH THE CA MUTCD AND COUNTY/CITY OF IMPERIAL REQUIREMENTS. SEE PROJECT IMPROVEMENT PLANS SHEETS 10-14 FOR MORE INFORMATION.
- PRIOR TO FINAL APPROVAL AND ACCEPTANCE OF THE WORK THE CONTRACTOR WILL BE REQUIRED TO CLEAN AND REPAIR ADJACENT (PUBLIC) ROADWAYS USED OR DAMAGED DURING THE COURSE OF CONSTRUCTION.
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- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL EXISTING UTILITIES ABOVE/UNDERGROUND DURING CONSTRUCTION. THIS INCLUDES ALL IRRIGATION LINES AND BOXES THAT MAY BE RELOCATED OR ABANDONED.



SHEET 2 OF 10 SHEETS
 Behavioral Health Building County Project No. SR6222BH
 PARKING RENOVATION LOT 5E AND ALLEY
 202 N. EIGHTH STREET, EL CENTRO, CA 92423
TOPO & DEMOLITION PLAN
 CLIENT: COUNTY OF IMPERIAL, CA
 DRAWN BY: STAFF
 JOB NO. C21006-00

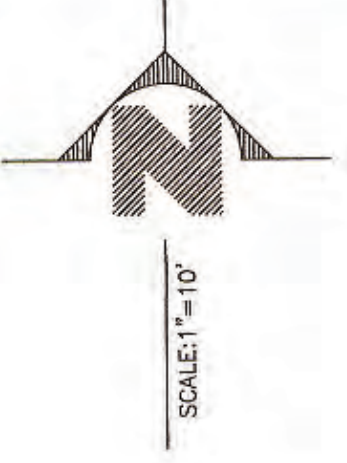
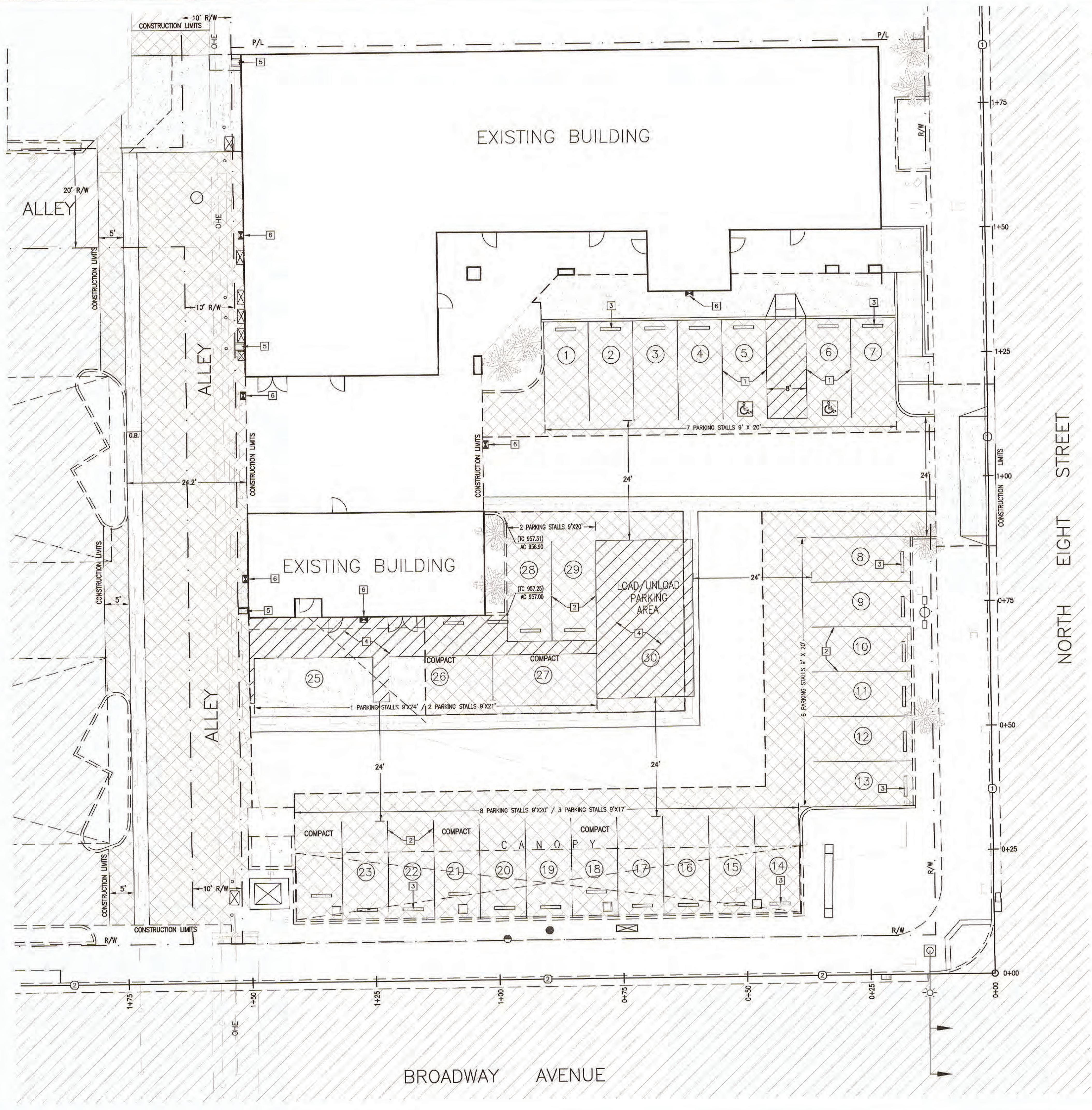
LC ENGINEERING CONSULTANTS INC.
 CIVIL ENGINEERING AND SURVEYING-CONSULTATION MANAGEMENT SERVICES
 1005 State Street
 El Centro CA 92423
 DATE: 09/07/21
 BENCHMARK: NW CORNER BUILDING COURSEWORK



COUNTY OF IMPERIAL DEPARTMENT OF PUBLIC WORKS
 APPROVED FOR CONSTRUCTION BY:
 BY: *John A. Gray* JOHN A. GRAY, P.E. DATE: 9/6/21
 R.C.E. NO.: 62028
 ENGINEER OF RECORD
 PLANS PREPARED UNDER THE SUPERVISION OF:
 BY: *Mauricio Lam* MAURICIO LAM, P.E. DATE: 9-7-21
 R.C.E. NO.: 57392

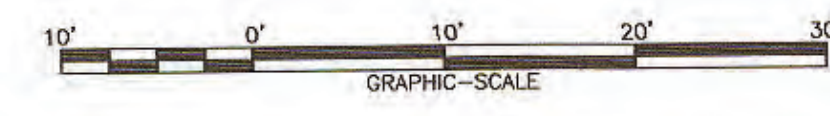
NO.	REVISIONS	DATE

L:\Projects\2021\C21006-00 (County of Imperial - Lot 5E & Alley)\Improvements\CAD\C21006-00 Grading & Improvement Plans - Lot 5E & Alley.dwg 09/07/2021 15:19



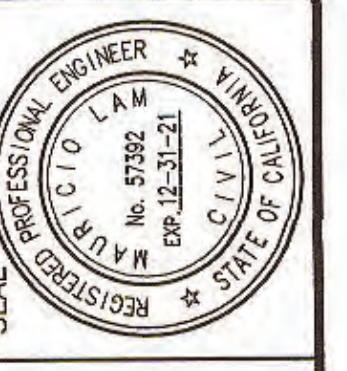
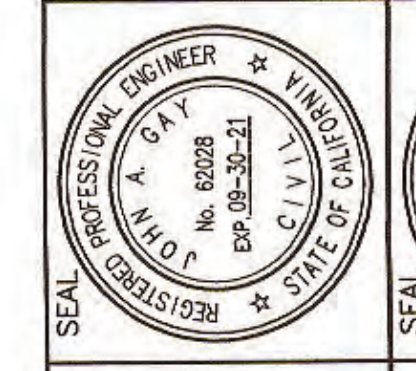
- CONSTRUCTION KEYNOTES:**
- 1 INSTALL HANDICAP/VAN ACCESSIBLE PARKING PER DETAIL "F" ON SHEET 6.
 - 2 INSTALL PARKING STRIPING
 - 3 INSTALL PARKING WHEEL STOP
 - 4 INSTALL NEW DIAGONAL STRIPING @ 45° WITH 4" WIDE WHITE STRIPING LINE IN AREAS AS SHOWN.
 - 5 INSTALL PREFABRICATED SPLASH BLOCK FOR EXISTING DOWNSPOUT AS SHOWN, REFER TO DETAIL "C" ON SHEET 6.
 - 6 INSTALL NEW WALL MOUNTED LED LIGHT PER ELECTRICAL PLAN.

- CONSTRUCTION BASELINES**
- 1 CONSTRUCTION BASELINE #1 - ALONG EIGHTH STREET FACE OF CURB
 - 2 CONSTRUCTION BASELINE #2 - ALONG BROADWAY AVENUE FACE OF CURB



No.	REVISIONS	BY	DATE

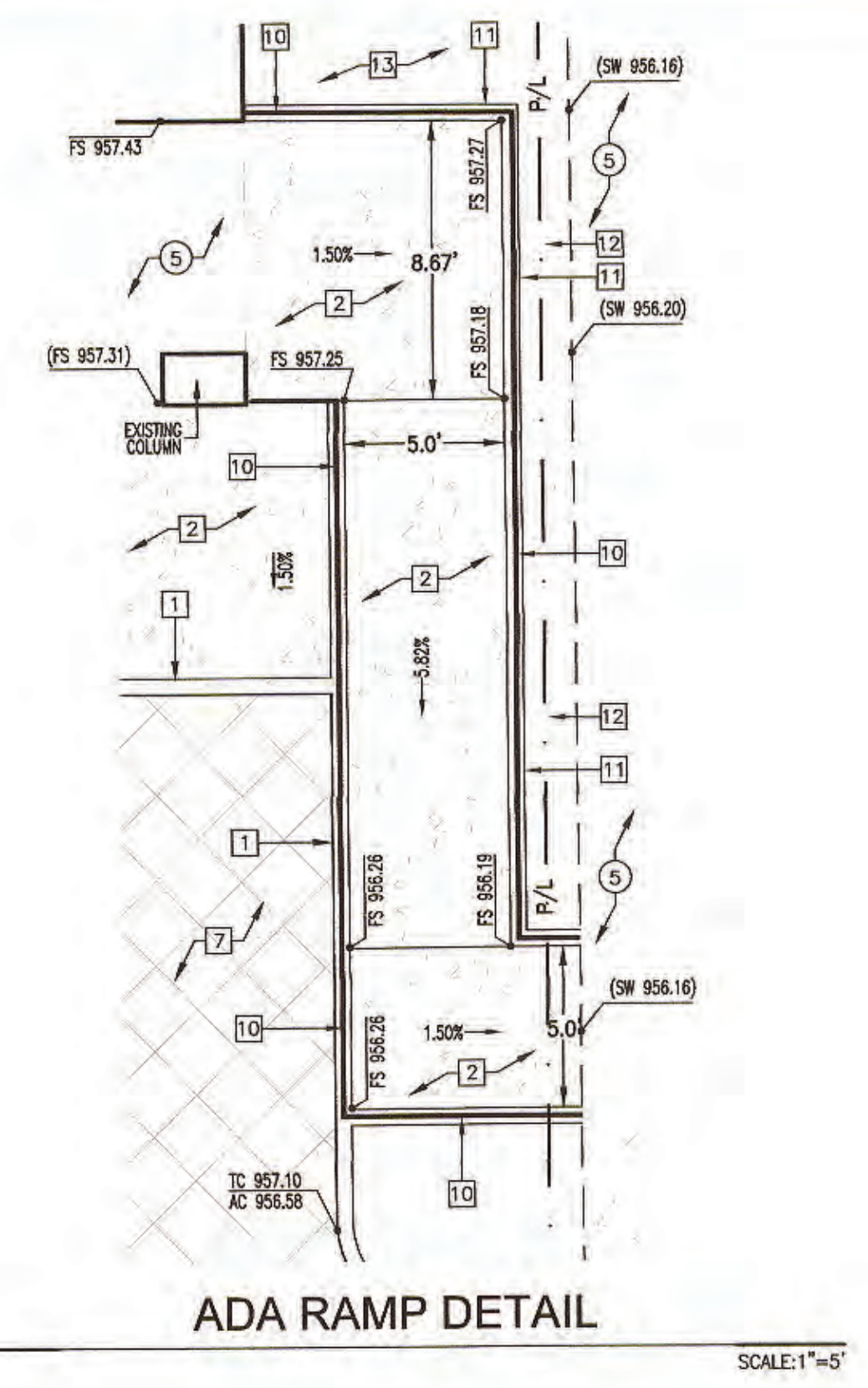
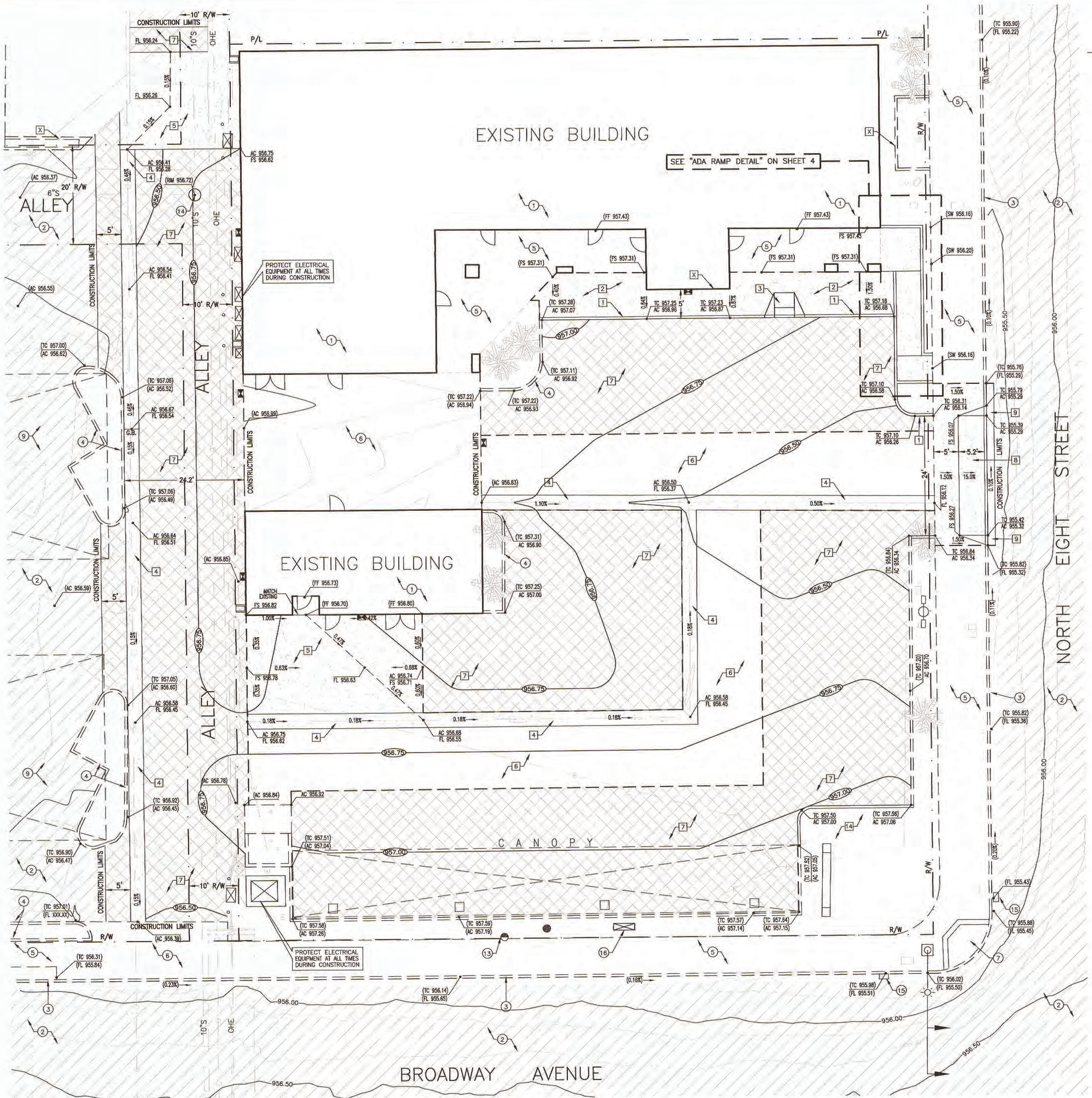
COUNTY OF IMPERIAL DEPARTMENT OF PUBLIC WORKS APPROVED FOR CONSTRUCTION BY: BY: <i>John A. Gay</i> JOHN A. GAY, P.E. R.C.E. NO.: 62028		DATE: 9/8/21	
ENGINEER OF RECORD PLANS PREPARED UNDER THE SUPERVISION OF: BY: <i>Mauricio Lam</i> MAURICIO LAM, P.E. R.C.E. NO.: 57392		DATE: 9-7-21	



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 www.lce.com
 1005 State Street
 El Centro CA 92543
 (951) 333-8800
 DATE: 09/07/21 BENCHMARK: NW CORNER BUILDING COURTHOUSE

Behavioral Health Building (County Project No. SR622BH)
 PARKING RENOVATION LOT 5E AND ALLEY
 202 N. EIGHTH STREET, EL CENTRO, CA 92543
SITE, HORIZONTAL CONTROL AND STRIPING PLAN
 CLIENT: COUNTY OF IMPERIAL, CA. DRAWN BY: STAFF
 SHEET 3 OF 10 SHEETS
 JOB NO. C21006-00

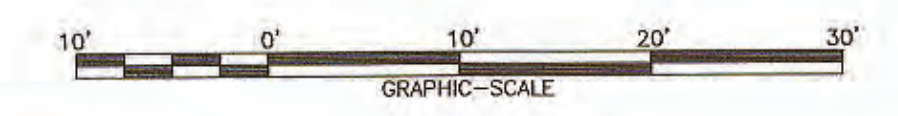
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- EXISTING KEYNOTES:**
- 1 EXISTING BUILDING STRUCTURE.
 - 2 EXISTING A.C. PAVEMENT.
 - 3 EXISTING CURB AND GUTTER.
 - 4 EXISTING CURB.
 - 5 EXISTING SIDEWALK.
 - 6 EXISTING DRIVEWAY.
 - 7 EXISTING HANDICAP RAMP.
 - 8 EXISTING 10-INCH SEWER PIPELINE.
 - 9 EXISTING STRIPING.
 - 10 EXISTING SIGN.
 - 11 EXISTING WATER METER.
 - 12 EXISTING WATER VALVE.
 - 13 EXISTING FIRE HYDRANT.
 - 14 EXISTING SEWER MANHOLE.
 - 15 EXISTING SD CATCH BASIN.
 - 16 EXISTING WATER BACKFLOW PREVENTER.
 - 17 EXISTING ABANDON CONCRETE PEDESTAL.
 - 18 EXISTING POWER POLE.
 - 19 EXISTING GAS VALVE.

- GRADING CONSTRUCTION KEYNOTES:**
- 1 CONSTRUCT 6" FREE STANDING CURB PER DETAIL "A" ON SHEET 6.
 - 2 CONSTRUCT 4-INCH P.C.C. SIDEWALK PER DETAIL "B" ON SHEET 6.
 - 3 CONSTRUCT CONCRETE ADA CURB RAMP PER DETAIL "C" ON SHEET 6.
 - 4 CONSTRUCT NEW 3'-0" RIBBON GUTTER PER DETAIL "C" ON SHEET 6.
 - 5 CONSTRUCT 6 INCHES P.C.C. CONCRETE APRON OVER 4 INCHES OF CLASS 2 BASE. A #5 REBAR MAT 12"x12" O/C E.W. SHALL BE PLACED 2" MEASURED FROM THE BOTTOM OF THE APRON.
 - 6 CONSTRUCT 4 INCHES OF A.C. OVER 10 INCHES OF CLASS 2 BASE. AC SHALL BE CONSTRUCTED IN 2 LAYERS, THE INITIAL LAYER BEING A 1 1/2" THICK, AND THE FINAL LAYER BEING A 1 1/2" THICK.
 - 7 1.5" OVERLAY OF A.C. PAVEMENT.
 - 8 CONSTRUCT 6-INCH P.C.C. DRIVEWAY PER DETAIL "H" ON SHEET 6.
 - 9 CONSTRUCT 6-INCH P.C.C. CURB & GUTTER PER DETAIL "I" ON SHEET 6.
 - 10 INSTALL NEW HANDRAIL ALONG RAMP AS SHOWN PER ADA STANDARDS. CONTRACTOR SHALL SUBMIT A PROPOSED HANDRAIL FOR REVIEW/APPROVAL BY THE COUNTY OF IMPERIAL.
 - 11 CONSTRUCT A 12" MIN. FREE STANDING CURB ALONG THE OUTER EDGE OF THE HANDICAP RAMP. A 13" MINIMUM DEPTH SHALL BE PROVIDED AND BACKFILLED OVER COMPACTED SUBGRADE AS SHOWN ON DETAIL "A" ON SHEET 6.
 - 12 BACKFILL WITH NATIVE MATERIAL WITH A 2% MIN. SLOPE TOWARDS THE SIDEWALK.
 - 13 PROVIDE A TRANSITION GRADING WITH NATIVE MATERIAL AT A 4:1 (H:V) RATE FROM TOP OF CURB TO DAYLIGHT.
 - 14 RE-GRADE AS NECESSARY TO BLEND WITH SURROUNDED AREA BEHIND NEW CURB.

- GRADING NOTES**
1. ALL GRADING SHALL BE DONE UNDER THE OBSERVATION OF, AND TESTING, BY A QUALIFIED CIVIL ENGINEER OR GEOTECHNICAL ENGINEER. ALL GRADING MUST BE PERFORMED IN ACCORDANCE WITH APPLICABLE CITY SPECIFICATIONS.
 2. ALL FILL MATERIAL SHALL BE COMPACTED TO A MINIMUM OF 90% OF THE MAXIMUM DRY DENSITY FOR A DEPTH OF 12" AS DETERMINED BY THE MOST RECENT VERSION OF A.S.T.M. D-1557.
 3. CUT AND FILL SLOPES SHALL BE TRIMMED TO THE FINISH GRADE TO PROVIDE A SMOOTH AND UNIFORM SURFACE OR CROSS-SECTION. THE SLOPES OF EXCAVATIONS OR EMBANKMENTS SHALL BE SHAPED AND TRIMMED AND LEFT IN A NEAT AND ORDERLY CONDITION. ALL STONES, ROOTS, OR OTHER WASTE MATTER EXPOSED ON EXCAVATION OR EMBANKMENT SLOPE, SHALL BE REMOVED, AND DISPOSED OF.
 4. THE CONSTRUCTION OF THE 4" THICK A.C. PAVING SHALL BE CONSTRUCTED IN 2 LAYERS SUCH THAT THE TOP LAYER WILL BE CONSTRUCTED SIMULTANEOUSLY WITH THE OVERLAY AREAS, HAVING THE SAME A.C. THICKNESS.



COUNTY OF IMPERIAL DEPARTMENT OF PUBLIC WORKS

APPROVED FOR CONSTRUCTION BY: *John A. Gay* DATE: 9/8/21
 JOHN A. GAY, P.E. No. 82028 Exp. 05-30-21

ENGINEER OF RECORD
 PLANS PREPARED UNDER THE SUPERVISION OF:
 BY: *Mauricio Lam* DATE: 9-7-21
 MAURICIO LAM, P.E. No. 57392

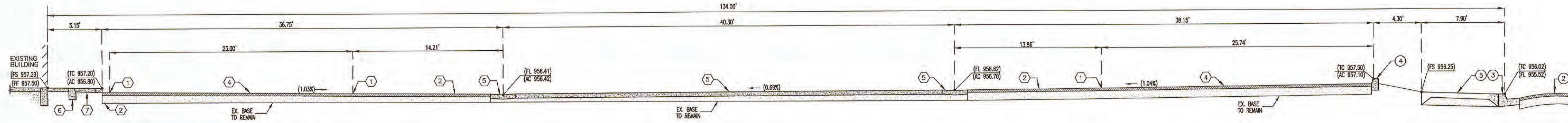
LC ENGINEERING CONSULTANTS INC.
 CIVIL ENGINEERING • LAND SURVEYING • CONSTRUCTION MANAGEMENT SERVICES
 1065 State Street
 El Centro CA 92543
 www.lceinc.com
 951-763-3330

Behavioral Health Building (County Project No. SR62228H)
 PARKING RENOVATION LOT 5E AND ALLEY
 202 N. Eighth Street, El Centro, CA 92543

SHEET 4 OF 10 SHEETS
 JOB NO. C21006-00
 CLIENT: COUNTY OF IMPERIAL, CA
 DRAWN BY: STAFF
 DATE: 09/07/21
 BENCHMARK: NW CORNER BUILDING COURSE

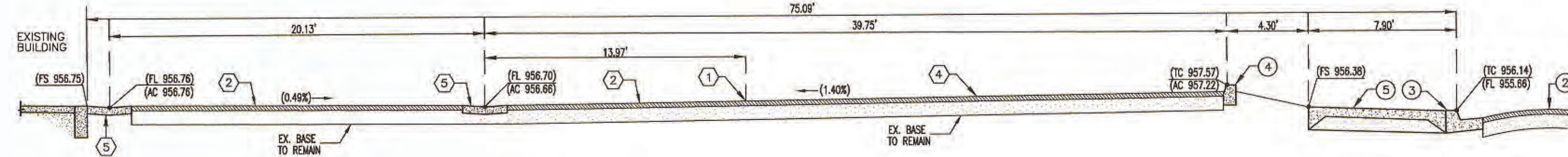
NO.	REVISIONS	BY	DATE

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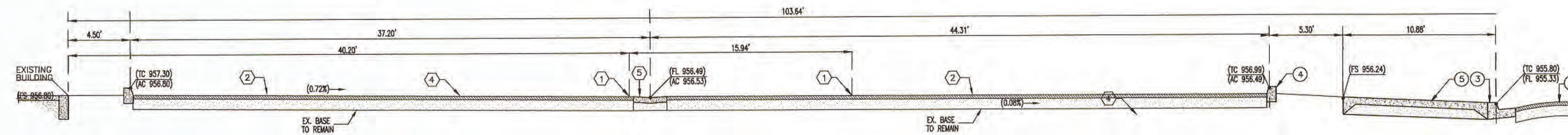
EXISTING CROSS SECTION A-A'

SCALE 1"=10'



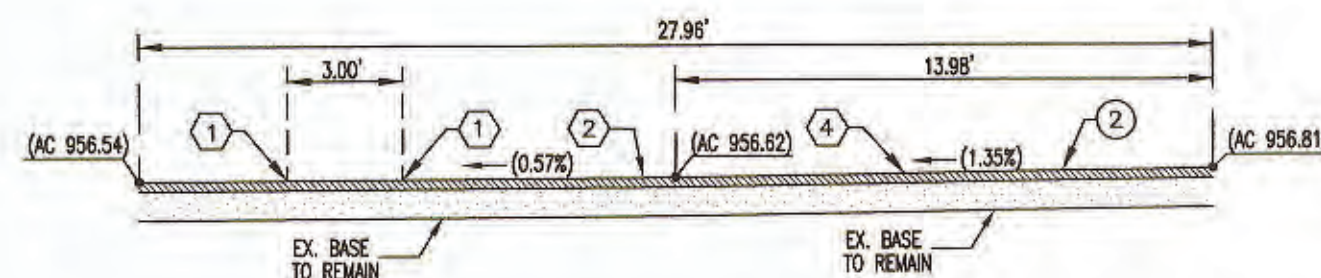
EXISTING CROSS SECTION B-B'

SCALE 1"=10'



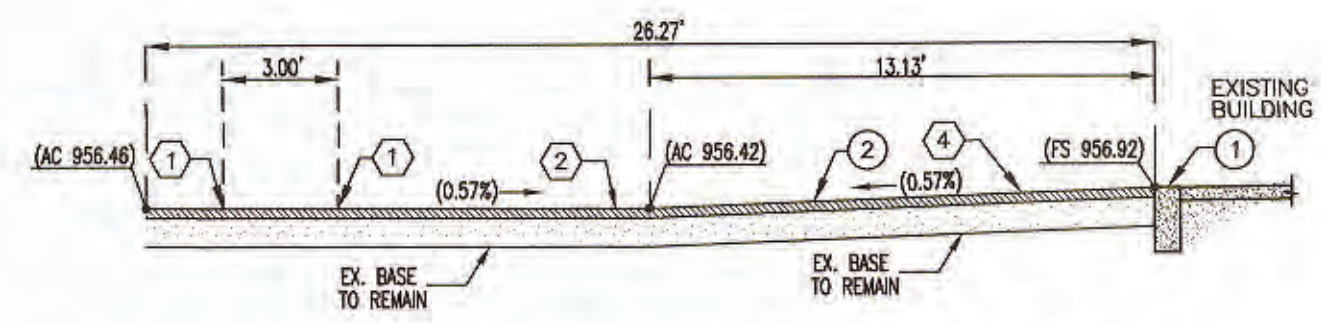
EXISTING CROSS SECTION C-C'

SCALE 1"=10'



EXISTING CROSS SECTION D-D'

SCALE 1"=10'



EXISTING CROSS SECTION E-E'

SCALE 1"=10'

EXISTING KEYNOTES:

- 1 EXISTING BUILDING STRUCTURE.
- 2 EXISTING A.C. PAVEMENT.
- 3 EXISTING CURB AND GUTTER.
- 4 EXISTING CURB.
- 5 EXISTING SIDEWALK.
- 6 EXISTING DRIVEWAY.
- 7 EXISTING HANDICAP RAMP.
- 8 EXISTING TRASH ENCLOSURE.
- 9 EXISTING STRIPING.
- 10 EXISTING SIGN.
- 11 EXISTING WATER METER.
- 12 EXISTING WATER VALVE.
- 13 EXISTING FIRE HYDRANT.
- 14 EXISTING SEWER MANHOLE.
- 15 EXISTING SEWER PIPELINE.
- 16 EXISTING SD CATCH BASIN.
- 17 EXISTING WATER BACKFLOW PREVENTER.
- 18 EXISTING ABANDON CONCRETE PEDESTAL.
- 19 EXISTING POWER POLE.
- 20 EXISTING IID TRANSFORMER.
- 21 EXISTING ELECTRIC PANEL.
- 22 EXISTING COMMUNICATION PEDESTAL.
- 23 EXISTING UNDERGROUND ELECTRIC LINE.
- 24 EXISTING OVERHEAD ELECTRIC LINE.
- 25 EXISTING STREET LIGHT.
- 26 EXISTING TELECOMMUNICATION LINE.
- 27 EXISTING UTILITY BOX.
- 28 EXISTING IRRIGATION BOX.
- 29 EXISTING GAS VALVE.
- 30 EXISTING GAS LINE.
- 31 EXISTING SOLAR CANOPY.
- 32 EXISTING CANOPY COLUMN.
- 33 EXISTING PALM TREE
- 34 EXISTING 5' H ACCESS GATE.
- 35 EXISTING 8' H IRON FENCE.
- 36 EXISTING BUILDING SIGN.
- 37 EXISTING LANDSCAPE AREA.

DEMOLITION KEYNOTES:

- 1 SAWCUT EXISTING AC FOR THE FULL DEPTH OF AC PER DETAILS ON SHEET 6.
- 2 REMOVE AND DISPOSE OF EXISTING A.C. PAVEMENT AND UNDERLYING MATERIAL TO SUBGRADE DESIGN GRADE.
- 3 SAWCUT EXISTING CONCRETE TO ITS FULL DEPTH AND DISPOSE OF THE MATERIAL PRODUCT DEMOLITION.
- 4 GRIND ASPHALT 1.5 INCHES AND DISPOSE OF MATERIAL PER DETAILS ON SHEET 6.
- 5 REMOVE AND DISPOSE OF EXISTING PCC CROSS GUTTER.
- 6 REMOVE AND DISPOSE OF EXISTING PCC CURB.
- 7 REMOVE AND DISPOSE OF EXISTING PCC SIDEWALK.
- 8 REMOVE AND DISPOSE OF EXISTING AC HANDICAP RAMP.
- 9 EXISTING MANHOLE FRAME/COVER TO BE LOWERED 0.30' BEFORE PAVING, AFTER PAVING ADJUST MANHOLE FRAME/COVER TO 3/8" BELOW GRADE AND INSTALL A PCC CONCRETE RING ONE FOOT WIDE AND ONE FOOT DEEP AROUND THE MANHOLE FRAME/COVER.
- 10 ADJUST EXISTING GAS VALVE COVER AFTER PAVING AND INSTALL A PCC CONCRETE RING 8" WIDE AND 8" DEEP AROUND THE VALVE COVER HOUSING.
- 11 REMOVE OF EXISTING SIGN.
- 12 REMOVE OF EXISTING WHEEL STOP BUMPER.
- 13 REMOVE OF EXISTING PROTECTION POST.
- 14 RELOCATE EXISTING PALM TREE AS REQUIRED.

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 El Centro CA 92243
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 tel: 760-335-0100
 info@lcc-inc.com
 fax: 760-335-0448

DATE: 09/07/21 BENCHMARK: NW CORNER BUILDING COURSE

SHEET 5 OF 10 SHEETS
 CROSS SECTIONS
 CLIENT: COUNTY OF IMPERIAL, CA. DRAWN BY: STAFF
 JOB NO.: C21006-00

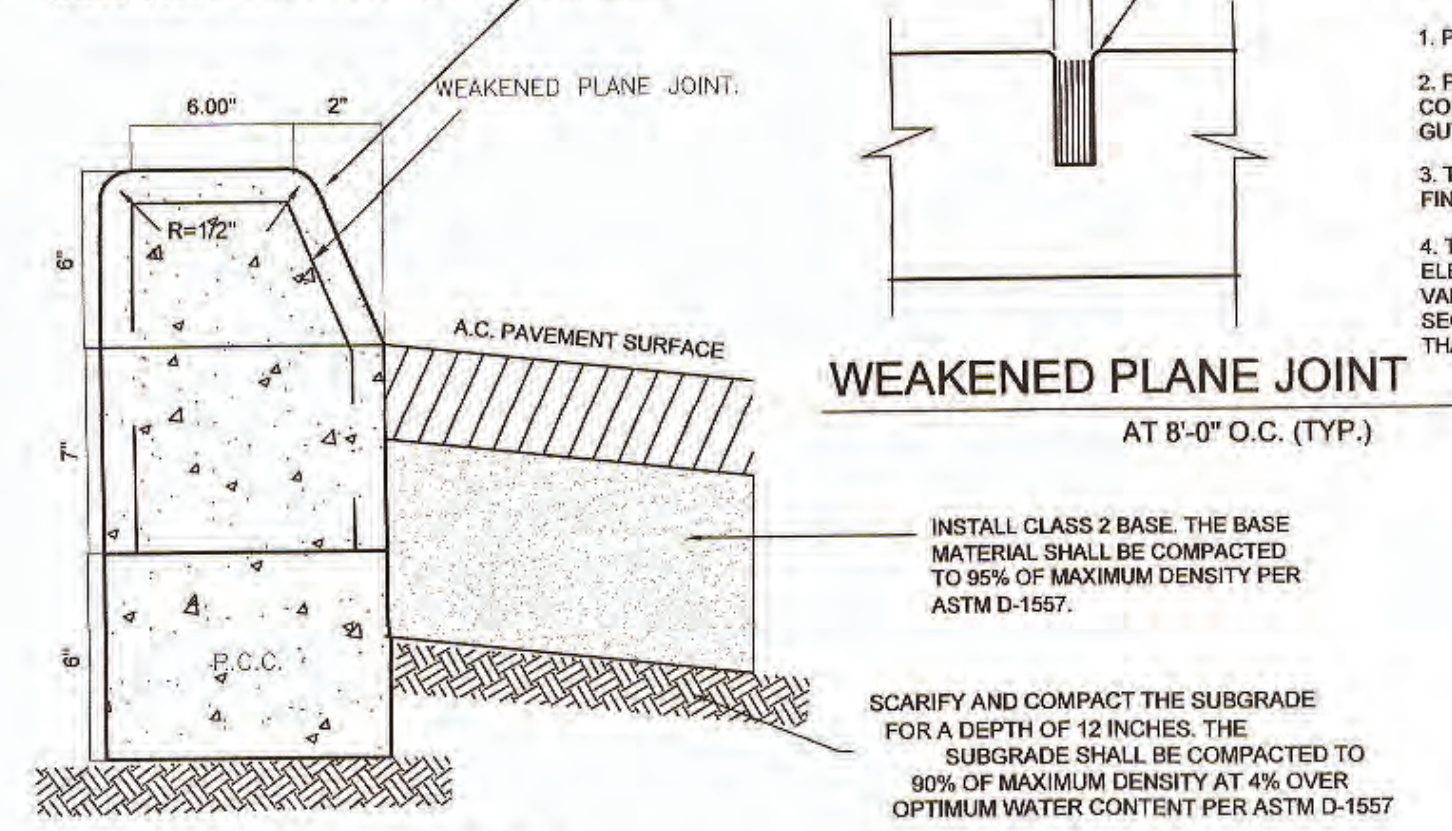
COUNTY OF IMPERIAL DEPARTMENT OF PUBLIC WORKS
 APPROVED FOR CONSTRUCTION BY: *John A. Gay* JOHN A. GAY, P.E. 62028
 DATE: 9/16/21
 R.C.E. NO.: 62028

ENGINEER OF RECORD
 PLANS PREPARED UNDER THE SUPERVISION OF:
 MAURICIO LAM, P.E.
 DATE: 9-7-21
 R.C.E. NO.: 57392

No.	REVISIONS	DATE

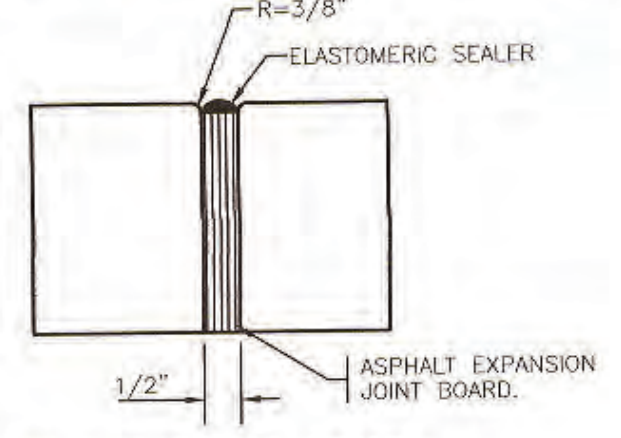
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INSTALL 6" FREE STANDING CURB. THE P.C.C. SHALL CONTAIN 6 SACKS OF CEMENT PER CUBIC YARD AND ATTAIN 4500 PSI COMPRESSIVE STRENGTH AFTER 28 DAYS CURING.



WEAKENED PLANE JOINT
AT 8'-0" O.C. (TYP.)

- NOTES:**
1. PLACE WEAKENED PLANE JOINTS EVERY 8 LINEAL FEET ALONG THE CURB.
 2. PLACE EXPANSION JOINTS EVERY 64 FEET. EXPANSION JOINT MATERIAL TO BE COMPOSED OF 1/4" FIBER BOARD INSTALLED ACROSS SECTION OF CURB AND GUTTER.
 3. THE CURB FACE AND TOP OF CURB SHALL RECEIVE A DOUBLE TROWEL FINISH.
 4. THE CURB EDGES SHALL BE PLACED TRUE TO LINE AND GRADE. VERTICAL ELEVATIONS SHALL NOT VARY MORE THAN ±0.01" WITH A MAXIMUM VARIANCE OF 0.02" FROM DESIGN GRADE OCCURRING IN ANY GIVEN 100 FOOT SECTION. THE HORIZONTAL CURB AND GUTTER EDGES SHALL NOT VARY MORE THAN 1/4 INCH IN ANY GIVEN 100 FOOT SECTION.



EXPANSION JOINT
AT 64'-0" O.C. (TYP.)

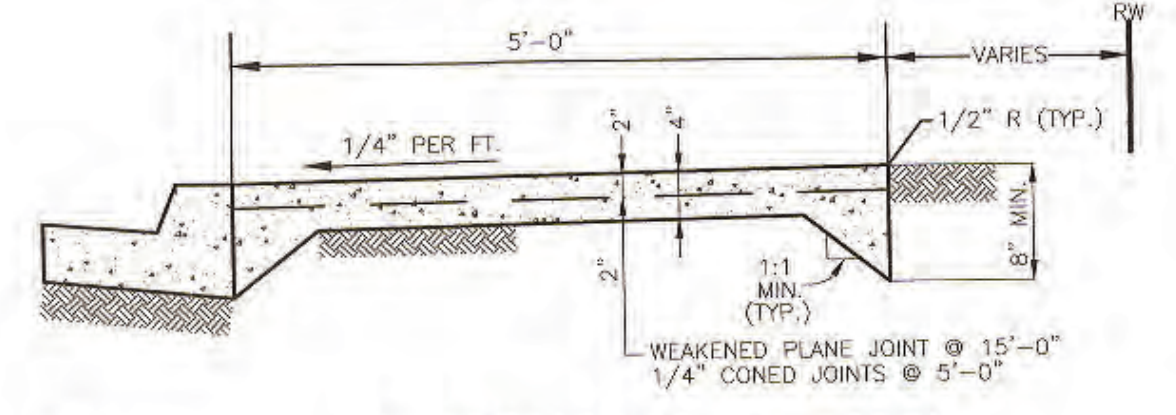


INSTALL CLASS 2 BASE. THE BASE MATERIAL SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY PER ASTM D-1557.

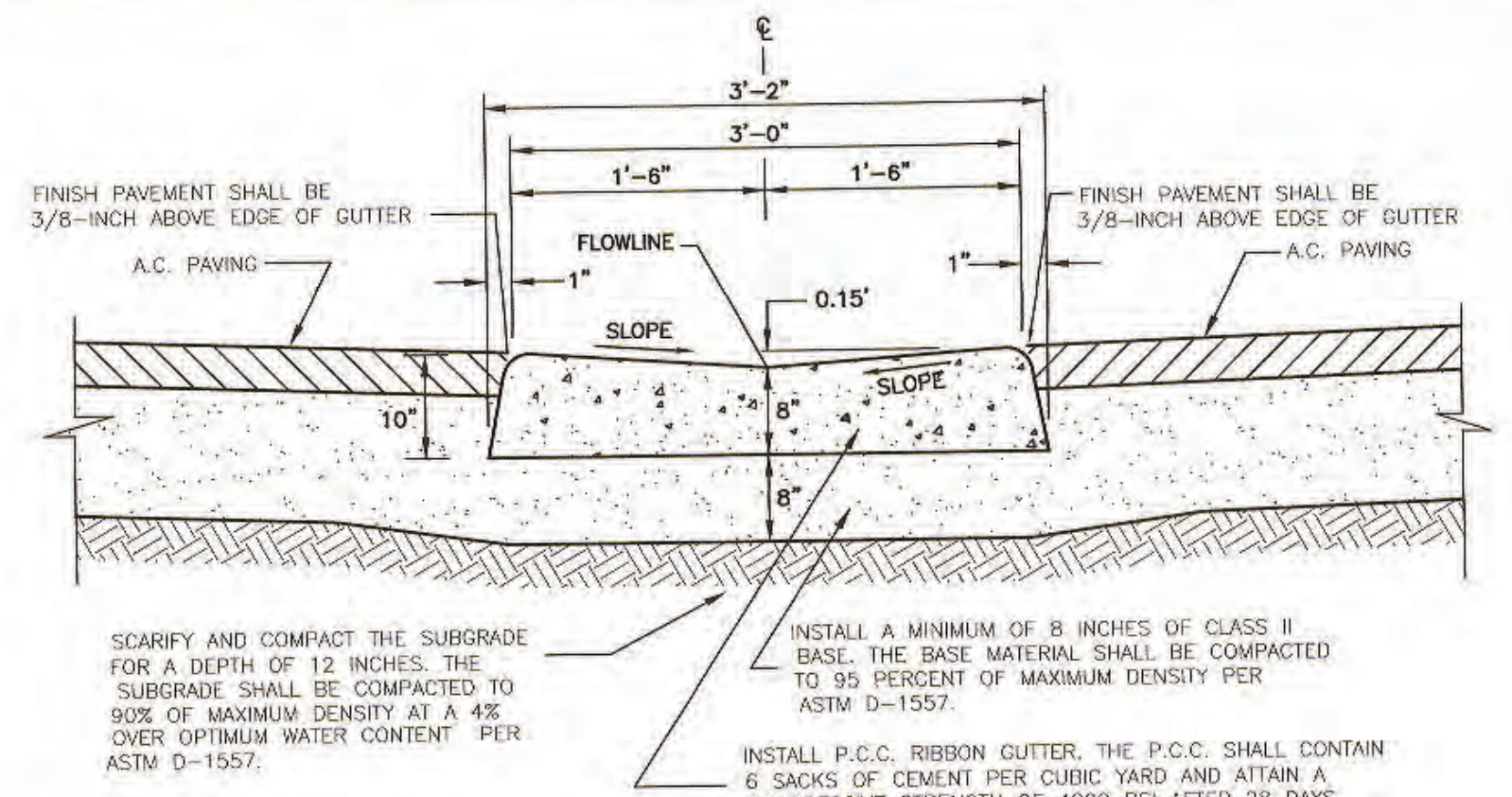
SCARIFY AND COMPACT THE SUBGRADE FOR A DEPTH OF 12 INCHES. THE SUBGRADE SHALL BE COMPACTED TO 90% OF MAXIMUM DENSITY AT 4% OVER OPTIMUM WATER CONTENT PER ASTM D-1557.

A **6" FREE STANDING CURB** NO SCALE

- NOTES**
1. EXPANSION JOINTS TO BE INSTALLED AT ALL B.C.'S, CURB RETURNS AND STRUCTURES IN ADDITION TO 45' O.C.
 2. SUBGRADE SHALL BE 8" INCHES MINIMUM OF 95% OF ASTM D1557 MAXIMUM DRY DENSITY.
 3. ALL METALL FORM STAKES MUST HAVE PROTECTIVE DEVICES SUCH AS "MUSHROOMS" INSTALLED AT ALL TIMES DURING USE, TO ADEQUATELY INSURE PUBLIC SAFETY.
 4. SIDEWALK AND CURB SHALL NOT BE POURED MONOLITHIC.
 5. CONTIGUOUS SIDEWALK SHALL BE CLASS 3" CONCRETE WHICH SHALL ATTAIN A 28-DAY COMPRESSIVE STRENGTH OF 4500 PSI IN ACCORDANCE WITH ASTM C39/C39M-99 AND SHALL CONTAIN 1-1/2 LBS. POLYPROPYLENE FIBER PER CUBIC YARD. POLYPROPYLENE FIBER BY FIBERMESH CO., FORTIA MOND, D.A.E.

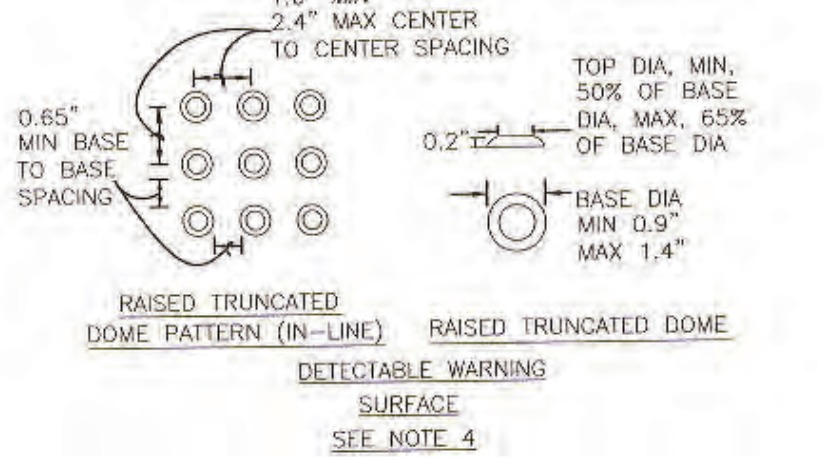
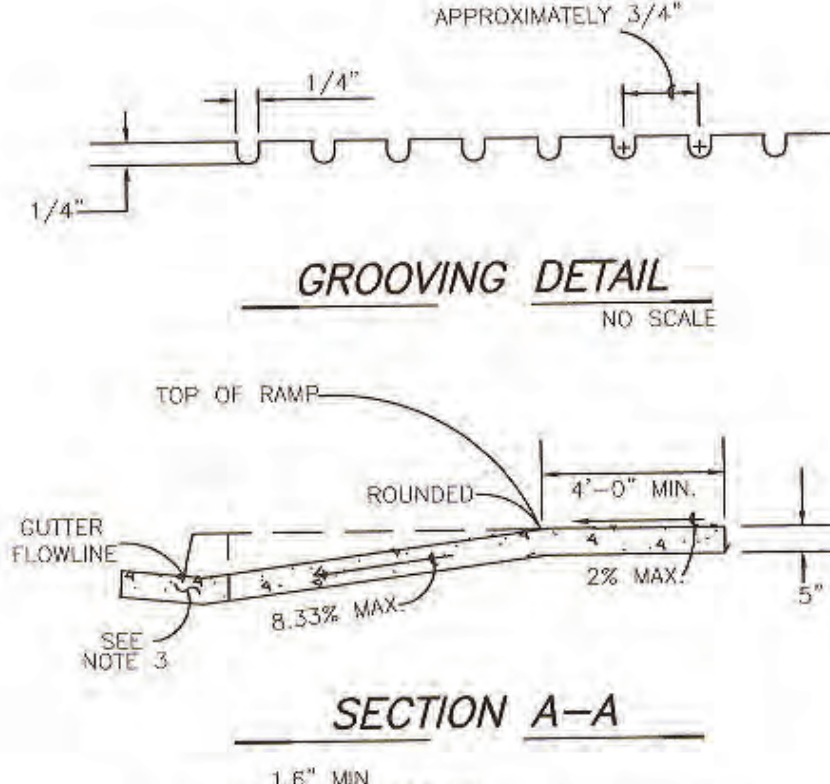
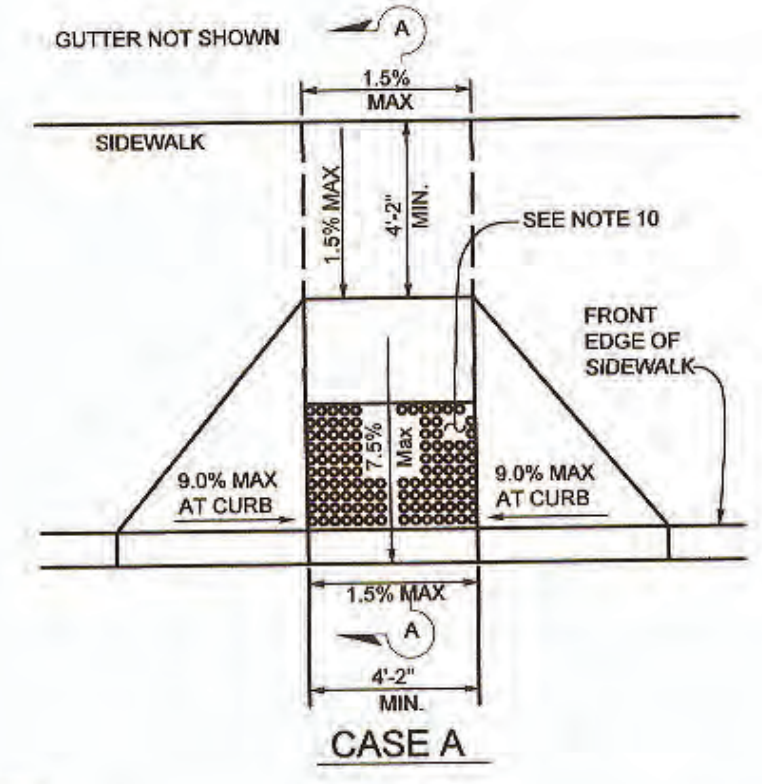


B **SIDEWALK DETAIL** NO SCALE



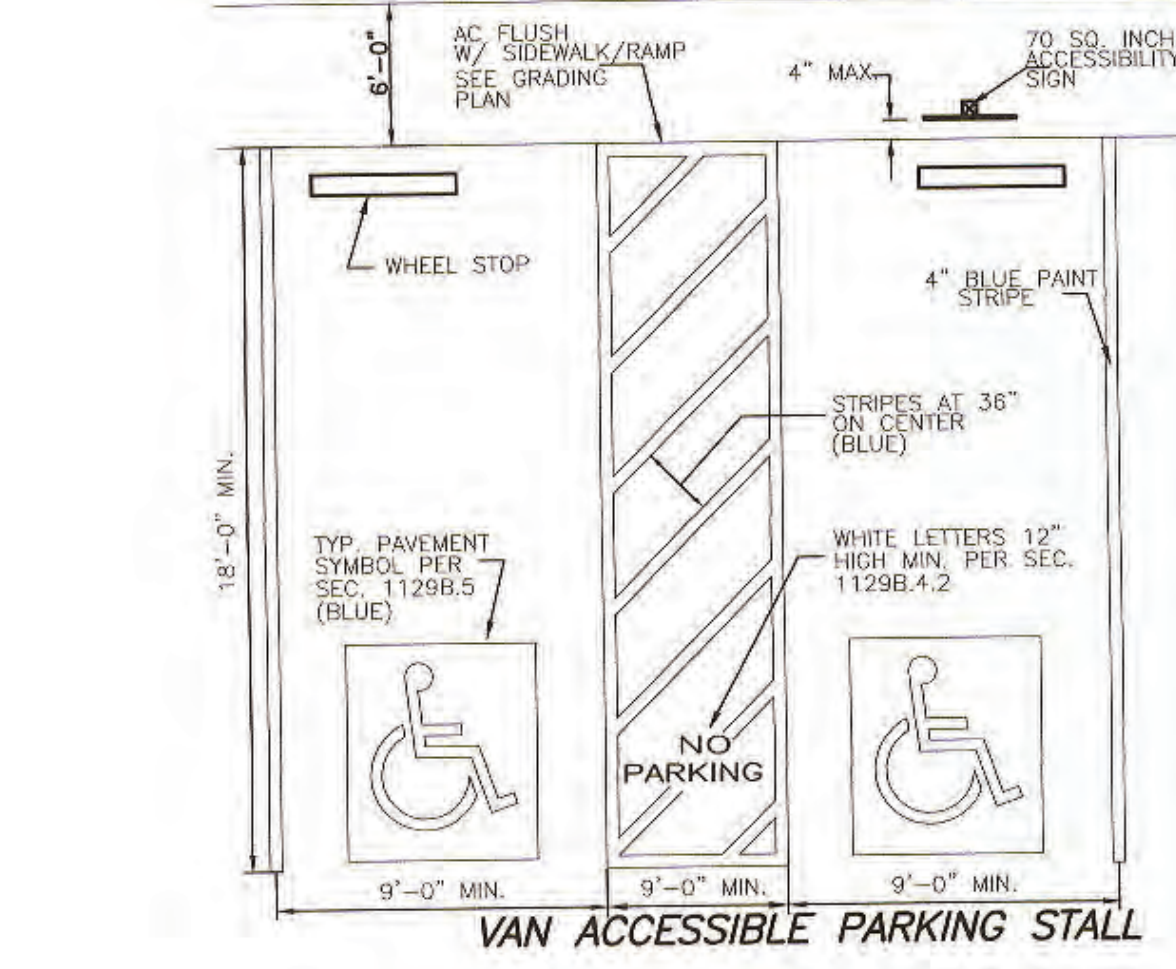
- NOTES:**
1. PLACE WEAKENED PLANE JOINTS EVERY 8 FEET ALONG THE RIBBON GUTTER.
 2. THE RIBBON GUTTER SURFACE SHALL RECEIVE A DOUBLE TROWEL FINISH. A BROOM FINISH IS THEN TO BE APPLIED.
 3. THE RIBBON GUTTER EDGES SHALL BE PLACED TRUE TO THE LINE AND GRADE. VERTICAL ELEVATIONS SHALL NOT VARY MORE THAN ±0.01" WITH A MAXIMUM VARIANCE OF 0.02" FROM DESIGN GRADE OCCURRING IN ANY GIVEN 100 FOOT SECTION. THE HORIZONTAL CROSS GUTTER EDGES SHALL NOT VARY MORE THAN 1/4 INCH IN ANY GIVEN 100 FOOT SECTION.

C **P.C.C. RIBBON GUTTER** NO SCALE



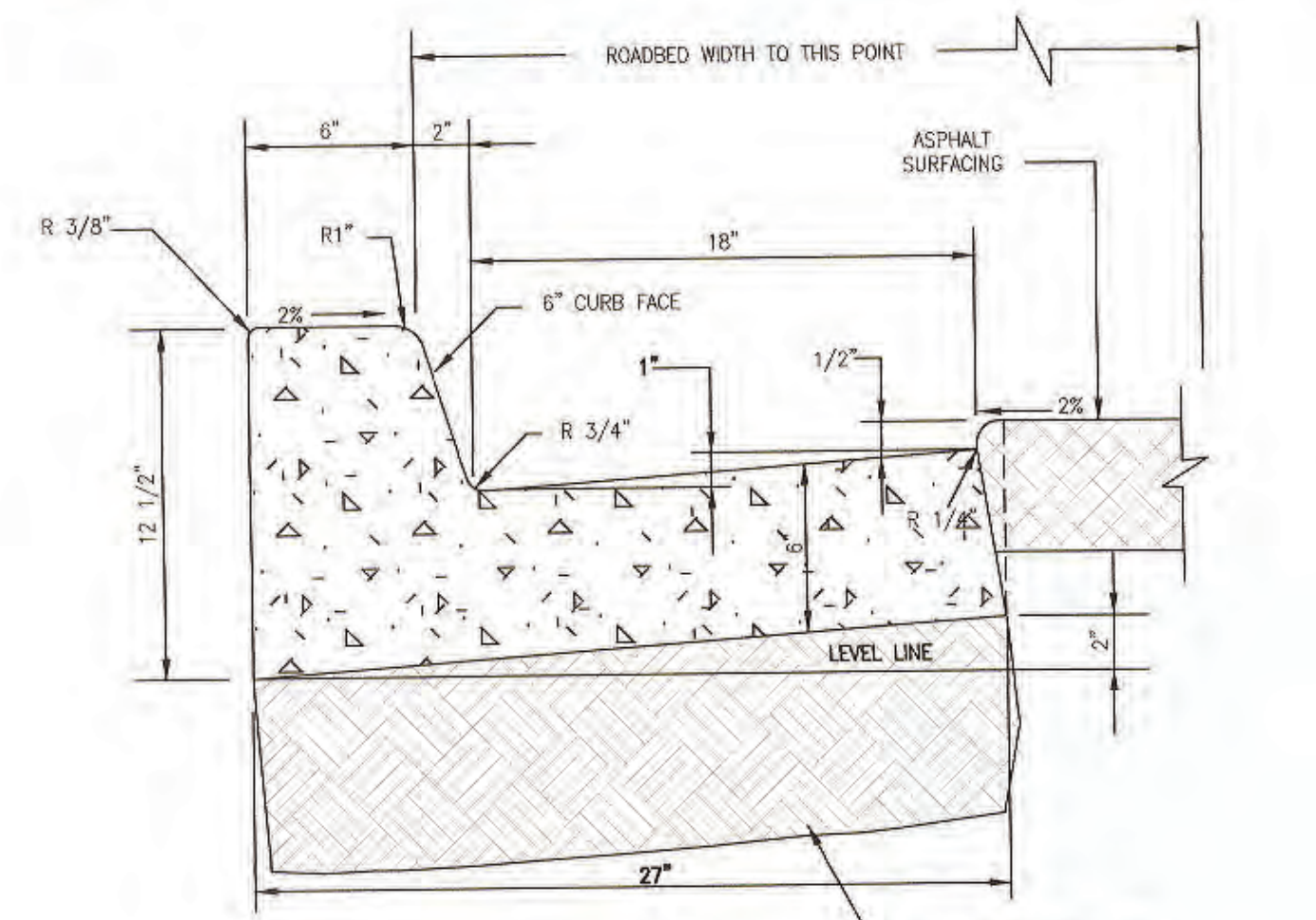
- NOTES:**
1. THE RAMP SHALL HAVE A 12" WIDE BORDER WITH 1/4" GROOVES APPROXIMATELY 3/4" ON CENTER. SEE GROOVING DETAIL.
 2. TRANSITIONS FROM RAMPS TO WALKS, GUTTERS OR STREETS SHALL BE FLUSH AND FREE OF ABRUPT CHANGES.
 3. MAXIMUM SLOPES OF ADJOINING GUTTERS, THE ROAD SURFACE IMMEDIATELY ADJACENT TO THE HERRINGBONE PATTERN WITH 1/4" CURB RAMP AND CONTINUOUS PASSAGE TO THE CURB RAMP SHALL NOT EXCEED 5 PERCENT WITHIN 4' OF THE TOP OR BOTTOM OF THE CURB.
 4. CURB RAMPS SHALL HAVE A DETECTABLE WARNING SURFACE THAT EXTENDS THE FULL WIDTH AND 3' DEPTH OF THE CURB RAMP. DETECTABLE WARNING SURFACES SHALL CONFORM TO THE DETAILS ON THIS PLAN AND REQUIREMENTS IN THE SPECIAL PROVISION.
 5. THE EDGE OF THE DETECTABLE WARNING SURFACE NEAREST THE STREET SHALL BE BETWEEN 6" AND 8" FROM THE GUTTER FLOWLINE.
 6. UTILITY PULL BOXES, MANHOLES, VAULTS AND ALL OTHER UTILITY FACILITIES WITHIN THE BOUNDARIES OF THE CURB RAMP WILL BE RELOCATED OR ADJUSTED TO GRADE BY THE OWNER PRIOR TO, OR IN CONJUNCTION WITH, CURB RAMP CONSTRUCTION.
 7. ACCESS RAMP SHALL BE CONSTRUCTED WITH 5" THICK 4500 PSI PORTLAND CEMENT CONCRETE OVER CLASS 2 AGG. BASE OR PIT RUN GRAVEL SAND W/SAND EQUIVALENT > 30. (for leveling purposes)
 8. RAMPS LOCATED OTHER THAN SHOWN SHALL BE APPROVED BY THE CITY ENGINEER.
 9. SUBGRADE (8" MINIMUM) TO BE COMPACTED TO 95% OF MAXIMUM DRY DENSITY (ASTM D1557) AND MAINTAIN A MOISTURE CONTENT OF 18% (+/- 2%) FOR CLAY SOILS ONLY FOR ALL LOCATIONS UNDERNEATH CONCRETE STRUCTURES.
 10. FOR OTHER APPLICATIONS, SEE RSP 888A OF CALTRANS STD. PLANS, 04-08-04

E **PEDESTRIAN RAMP AND CURB RETURN** NO SCALE



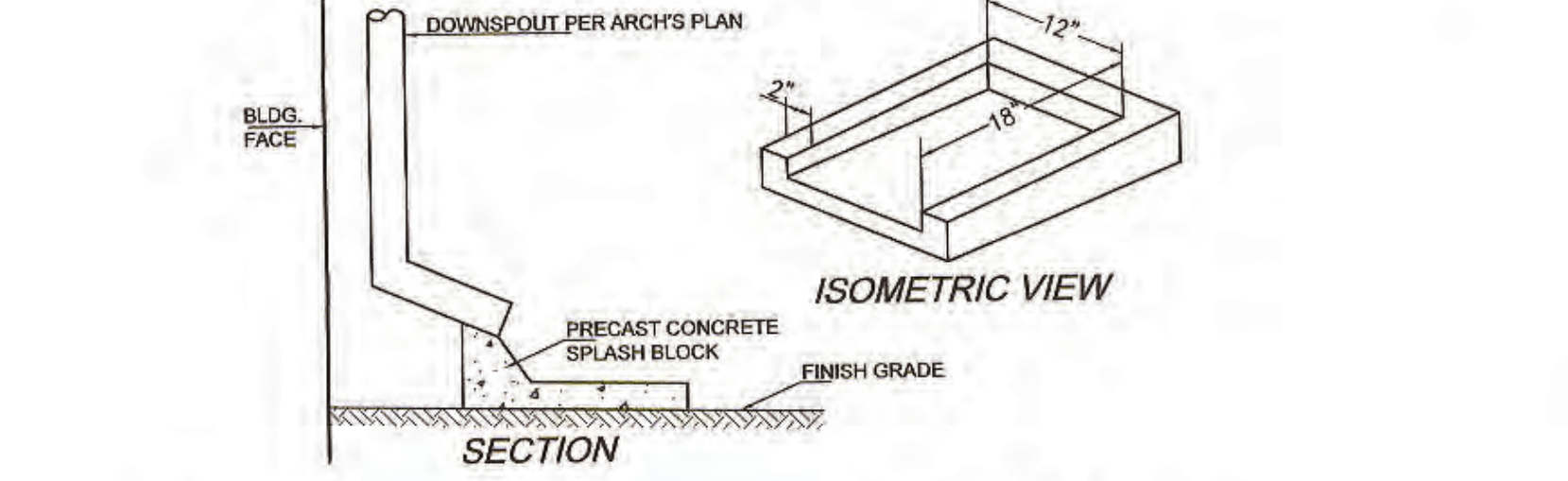
- NOTE:**
1. HANDICAP RAMP PER 2018 CALTRANS STANDARD PLANS.

F **ADA PARKING STALLS DETAIL** NO SCALE

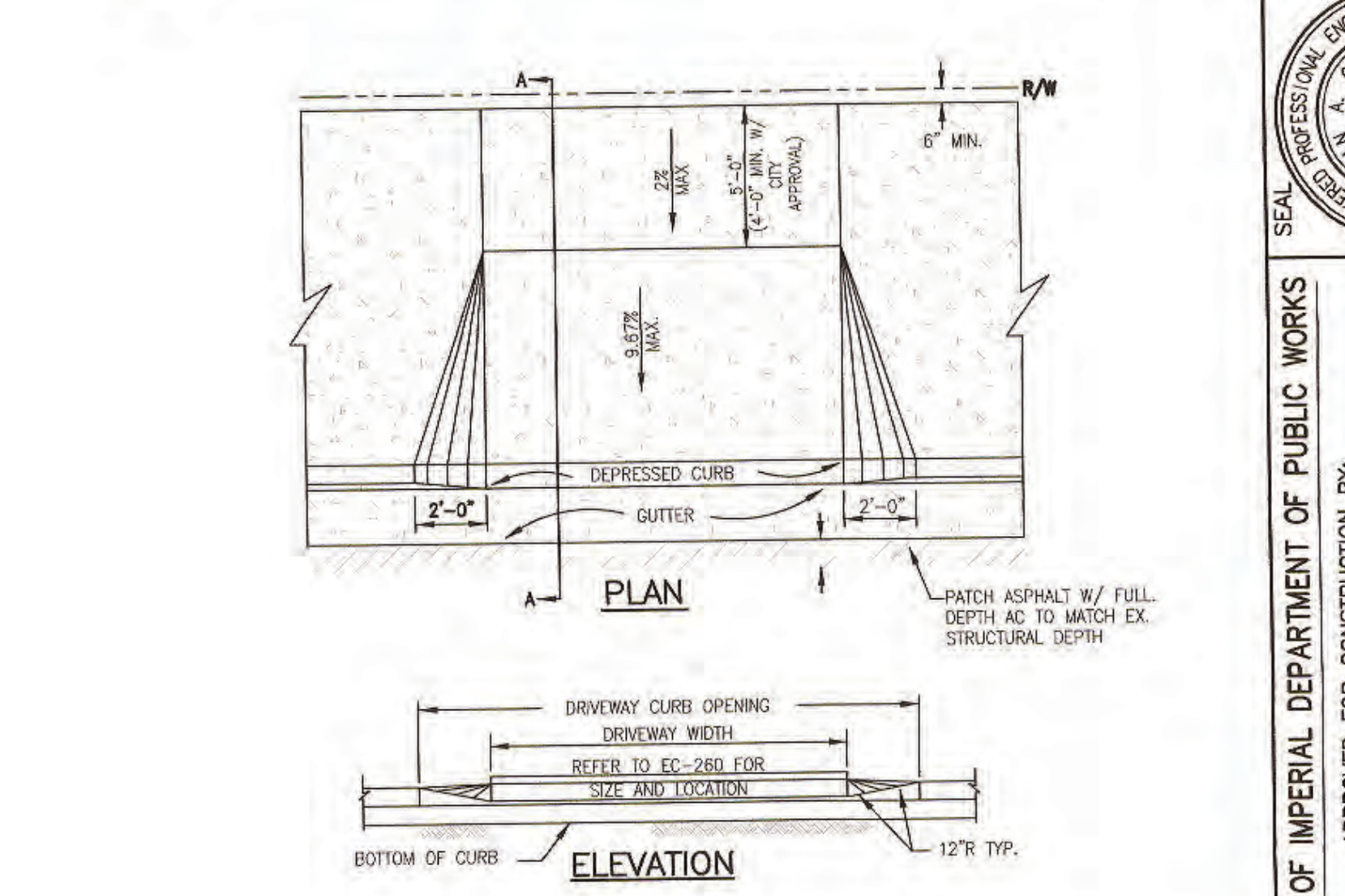


- NOTES:**
- REFER TO CURB 7 GUTTER JOINTS STANDARDS EC-210 FOR EXPANSION AND WEAKENED PLANE JOINTS
 - USE 4000 PSI CONCRETE
 - NO CONCRETE SHALL BE PLACED UNTIL ALL FORMS/STAIRLINE AND SUBGRADE COMPACTION REPORTS HAVE BEEN INSPECTED AND APPROVED BY THE CITY.
 - NEW CONCRETE SHALL BE DOWELED INTO EXISTING CONCRETE USING #4 BARS @ 18" O.C.

I **CURB AND GUTTER DETAIL** NO SCALE

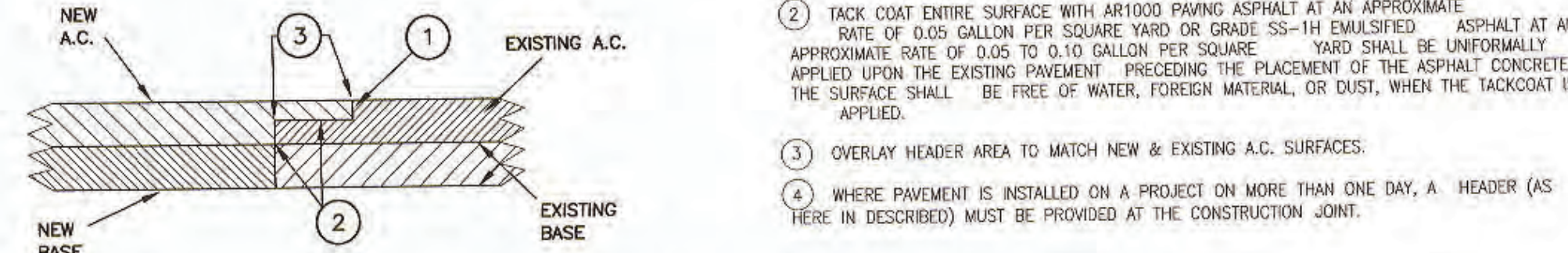


G **SPLASH BLOCK DETAIL** NO SCALE



- NOTES:**
1. NO CONCRETE SHALL BE PLACED UNTIL FORMS AND COMPACTION REPORTS FOR SUBGRADE AND CLASS II BASE HAVE BEEN INSPECTED BY THE CITY.
 2. CONCRETE SHALL BE 4000 PSI MIN.
 3. SEE STANDARDS DRAWING EC-260 FOR WIDTH AND LOCATION REQUIREMENTS.
 4. SEE STANDARD DRAWINGS EC-200 AND EC-210 FOR CURB AND JOINT DETAILS.
 5. DRIVEWAY AND CURB/GUTTER ARE NOT TO BE POURED MONOLITHIC.
 6. NEW CONCRETE SHALL BE DOWELED INTO EXISTING CONCRETE USING #4 BARS @ 18" O.C.
 7. SEE STANDARD DRAWINGS EC-262 FOR ACCESS REQUIREMENTS AROUND DRIVEWAY.
 8. FULL RIGHT OF WAY WIDTH SIDEWALK IS REQUIRED ON CERTAIN DOWNTOWN COMMERCIAL AREAS CONTACT PUBLIC WORKS FOR ADDITIONAL INFORMATION.

H **COMMERCIAL CONCRETE DRIVEWAY CONTIGUOUS SIDEWALK** NO SCALE



- NOTES:**
1. GRIND 2" WIDE X 0.12" DEEP HEADER FULL LENGTH OF JOINT
 2. TACK COAT ENTIRE SURFACE WITH AR1000 PAVING ASPHALT AT AN APPROXIMATE RATE OF 0.05 GALLON PER SQUARE YARD OR GRADE SS-1H EMULSIFIED ASPHALT AT AN APPROXIMATE RATE OF 0.05 TO 0.10 GALLON PER SQUARE YARD SHALL BE UNIFORMLY APPLIED UPON THE EXISTING PAVEMENT PRECEDING THE PLACEMENT OF THE ASPHALT CONCRETE. THE SURFACE SHALL BE FREE OF WATER, FOREIGN MATERIAL, OR DUST, WHEN THE TACKCOAT IS APPLIED.
 3. OVERLAY HEADER AREA TO MATCH NEW & EXISTING A.C. SURFACES.
 4. WHERE PAVEMENT IS INSTALLED ON A PROJECT ON MORE THAN ONE DAY, A HEADER (AS HEREIN DESCRIBED) MUST BE PROVIDED AT THE CONSTRUCTION JOINT.

D **NEW CONSTRUCTION PAVEMENT EXTENSION JOINT DETAIL** NO SCALE

SHEET	6 OF	SHEETS	JOB NO.	C21006-00
	10			
Behavioral Health Building (County Project No. S60228B)	PARKING RENOVATION LOT 5E AND ALLEY		DRAWN BY:	COUNTY OF IMPERIAL, CA
	202 N. EIGHTH STREET, EL CENTRO, CA 92243			
LC ENGINEERING CONSULTANTS INC.		DETAILS		CLIENT: COUNTY OF IMPERIAL, CA
CIVIL ENGINEERING • LAND SURVEYING • CONSTRUCTION MANAGEMENT SERVICES		BENCHMARK: NW CORNER BUILDING COURTYARD		
1065 State Street		El Centro CA 92243		DATE: 09/07/21
www.lce.com		www.lce.com		
Professional Engineer License No. 62028		Professional Engineer License No. 9789		ENGINEER OF RECORD
State of California		State of California		
APPROVED FOR CONSTRUCTION BY:		DATE: 9/15/21		PLANS PREPARED UNDER THE SUPERVISION OF:
BY: John A. Gay, P.E.		BY: Mauricio Lam, P.E.		
R.C.E. NO.: 62028		R.C.E. NO.: 57392		REVISIONS
DATE		DATE		

1. GENERAL

1.01 APPROVALS: ALL WORK PERFORMED AND MATERIAL FURNISHED FOR COMPLETION OF IMPROVEMENTS CALLED FOR ON THESE DRAWINGS SHALL BE SUBJECT TO THE INSPECTION AND APPROVAL OF AUTHORIZED REPRESENTATIVES OF THE CITY AND DEVELOPERS AND SHALL NOT BE COVERED, BURIED OR OTHERWISE CONCEALED UNTIL SUCH HAS BEEN SO INSPECTED AND APPROVED...

1.02 SITE CONDITIONS: EACH SUBCONTRACTOR DOING WORK ON THIS PROJECT SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE SAFETY OF ALL PERSONS AND PROPERTY WITHIN HIS WORK AREA, DAY AND NIGHT, DURING BOTH WORKING AND NONWORKING HOURS...

1.03 STANDARD SPECIFICATIONS: THE STANDARD SPECIFICATIONS REFERENCED IN THESE SPECIFICATIONS SHALL BE THOSE OF THE STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION (CALTRANS) DATED JULY 1999, COPIES OF SUCH ARE OBTAINABLE FROM: CALTRANS, CENTRAL PUBLICATION DISTRIBUTION UNIT, 1900 ROYAL OAKS DRIVE, SACRAMENTO, CA. 95815-3800...

1.04 UNDERGROUND CONDUIT: PLANS, DETAILS AND SPECIFICATIONS FOR CONSTRUCTION OF UNDERGROUND CONDUIT AND APPURTENANCES FOR THE ELECTRICAL POWER, TELEPHONE AND CABLE TELEVISION SYSTEMS HAVE BEEN PREPARED BY OR IN ACCORDANCE WITH THE REQUIREMENTS AND APPROVALS OF THE SERVING UTILITY COMPANIES...

1.05 TRAFFIC CONTROL: EACH SUBCONTRACTOR DOING WORK ON THIS PROJECT SHALL PROVIDE TRAFFIC CONTROL SIGNS, LIGHTS, FLAGMEN AND OTHER DEVICES NECESSARY TO PROTECT HIS WORK AND EXCAVATIONS AND TO PROTECT VEHICULAR AND PEDESTRIAN TRAFFIC PASSING THROUGH OR NEAR WORK AREAS...

1.06 TESTING: EACH SUBCONTRACTOR SHALL BE SUBMITTED TO AS A PART OF HIS WORK ALL TESTING OF MATERIAL AND WORKMANSHIP REQUIRED BY THE CITY AND OTHER AGENCIES AND UTILITIES HAVING JURISDICTION OVER THE WORK. TESTING SHALL BE BY AN INDEPENDENT LABORATORY APPROVED BY THAT AGENCY OR UTILITY REQUIRING SAME...

1.07 TRENCH SAFETY: EACH SUBCONTRACTOR SHALL PROVIDE SHORING, SHEETING, SHIELDS AND EXCAVATION SLOPES IN TRENCH EXCAVATIONS CONFORMING TO THE REQUIREMENTS OF THE CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH ACT (CAL/OSHA) AS ADMINISTERED BY THE STATE OF CALIFORNIA, DEPARTMENT OF INDUSTRIAL RELATIONS AND DEPICTED IN THE TRENCH AND EXCAVATIONS SAFETY GUIDE AVAILABLE FROM CAL/OSHA COMMUNICATIONS, 525 GOLDEN GATE AVENUE, SAN FRANCISCO, CA. 94102.

1.08 CERTIFICATES OF COMPLIANCE: SUBCONTRACTORS DOING CONCRETE AND PAVING ITEMS OF WORK SHALL PROVIDE WRITTEN AND SIGNED CERTIFICATIONS FROM CONCRETE AND PAVING SUPPLIERS CERTIFYING THAT ALL MATERIALS SUPPLIED BY HIM TO PROJECT COMPLY WITH THESE SPECIFICATIONS...

1.09 ENCROACHMENTS PERMITS: SUBCONTRACTORS DOING WORK OR OPERATING EQUIPMENT WITHIN CITY STREET, COUNTY ROAD, STATE HIGHWAY, IMPERIAL IRRIGATION DISTRICT DITCH OR RAILROAD RIGHTS-OF-WAYS, SHALL OBTAIN AN ENCROACHMENT PERMIT FROM SAID AGENCIES AND SHALL COMPLY WITH THE PROVISIONS AND WITH ALL REQUIREMENTS OF SAID PERMIT...

1.10 PRE-CAST CONCRETE: WHERE IN THESE DRAWINGS REINFORCED CAST-IN-PLACE CONCRETE STRUCTURES ARE SHOWN OR DETAILED, PRE-CAST CONCRETE STRUCTURES MAY BE USED IN THEIR PLACE. PRE-CAST STRUCTURES SHALL BE OF EQUAL QUALITY, SIZE AND DESIGN TO THAT SHOWN OR DETAILED...

1.11 PRECONSTRUCTION: A PRECONSTRUCTION MEETING SHALL BE HELD INCLUDING REPRESENTATIVES OF THE CITY, DEVELOPER AND ALL PARTIES DOING WORK PURSUANT TO THESE DRAWINGS. AT SAID MEETING, THE NAME OF ALL PARTIES, THEIR ADDRESSES AND PHONE NUMBERS SHALL BE PROVIDED ALONG WITH ESTIMATED DATES WHEN EACH TYPE OF WORK WILL BE UNDER WAY...

1.12 DESIGN MIXES: SUBCONTRACTORS PROVIDING ASPHALTIC CONCRETE PAVING, BASE AGGREGATE AND ANY KIND OF PORTLAND CEMENT CONCRETE REQUIRED FOR THRUST BLOCKS, POST FOOTINGS AND PIPELINE ENCASUREMENTS, SHALL PROVIDE DESIGN MIXES TO THE CITY FOR APPROVAL PRIOR TO COMMENCING ANY WORK INCORPORATING SUCH MATERIALS...

1.13 EXISTING UTILITIES: UTILITIES SHOWN ON THESE PLANS HAVE BEEN LOCATED WITH AS MUCH CARE AS POSSIBLE WITH THE AID OF AVAILABLE RECORDS; HOWEVER THE LOCATIONS SHOWN MUST BE CONSIDERED APPROXIMATE ONLY. PRIOR TO THE START OF WORK, THE CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL UTILITY COMPANIES AND SHALL LOCATE ALL LINES ACCURATELY BY EXCAVATION AND MEASUREMENT...

1.14 SAFETY: THE CONTRACTOR SHALL PROVIDE ALL MEANS AND DEVICES NECESSARY AND/OR REQUIRED TO PROTECT HIS EMPLOYEES AND ALL OTHERS FROM INJURY OR DAMAGE INCLUDING BUT NOT LIMITED TO TRENCH, SHORING, TRAFFIC BARRICADES, LIGHTING, FLAGMEN, WARNING DEVICES, JOB COORDINATION AND SUPERVISION...

2. EARTHWORK

2.01 CLEARING: ALL AREAS OF THE WORK SHALL BE CLEARED OF OBSTRUCTIONS AND GRUBBED TO A DEPTH OF NO LESS THAN EIGHT (8) INCHES. VEGETATION SHALL BE REMOVED AND HOLES AND DEPRESSIONS SHALL BE FILLED WITH COMPACTED EARTH, DEBRIS, VEGETATION AND OTHER DELETERIOUS MATTER NOT SUITABLE FOR INCORPORATION INTO EARTH FILLS...

2.02 GRADING: THE FINISHED SURFACES OF LOTS, BUILDING PADS AND PARKWAYS SHALL BE BROUGHT TO THE ELEVATIONS SHOWN OR INDICATED ON THESE DRAWINGS. ALL EXCAVATIONS, WATERING, BACKFILL AND EMBANKMENT WORK REQUIRED TO COMPLETE SUCH GRADING SHALL CONFORM TO THE RECOMMENDATIONS OF THE SOILS REPORT REFERENCED ON THESE DRAWINGS...

2.03 FINISHED SURFACE OF GROUND AFTER COMPLETION OF GRADING SHALL BE WITHIN PLUS (HIGH) OR MINUS (LOW) 0.10 FOOT OF ELEVATIONS SHOWN ON THESE DRAWINGS; EXCEPT THE INVERT OF DRAINAGE SWALES AND THE SURFACE OF BUILDING PADS SHALL BE WITHIN PLUS 0.05 OR MINUS 0.10 FOOT OF LOT LINE SWALES...

2.04 SOIL STERILANT: WHERE PLANS OR DETAILS CALL FOR SOILS STERILANT, SUBCONTRACTORS SHALL FURNISH AND APPLY, AS ALLOWED BY ALL APPLICABLE REGULATIONS, DURON, 334 DICHLOROPHENAL - 1, DIMETHYL UREA AT A RATE OF TEN (10) POUNDS PER ACRE. THE STERILANT SHALL BE EQUAL TO THAT MANUFACTURED BY DUPONT AS KARMEK, A WETABLE POWDER...

2.05 ROADWAY EXCAVATIONS: ALL EXCAVATIONS WITHIN TEN (10) FEET OF AN ESTABLISHED PUBLIC ROADWAY SHALL BE FILLED AND COMPACTED AT THE END OF EACH WORK DAY. LIKEWISE, PILES OF MATERIAL WITHIN TEN (10) FEET OF AN ESTABLISHED PUBLIC ROADWAY SHALL BE LEVELED OF GRADED FLUSH...

2.06 COMPACTION: WHERE IN THESE DRAWINGS AND IN THESE SPECIFICATIONS COMPACTION IS CALLED OUT TO BE 90% OF MAXIMUM, PLUS OR MINUS 3% SUCH SHALL BE INTERPRETED TO MEAN THAT TEST OF COMPACTION SHALL AVERAGE AT LEAST NINETY PERCENT (90%) AND NONE LESS THAN EIGHTY-SEVEN PERCENT (87%). ALSO, IN NO CASE SHALL CONSECUTIVE TESTS OF COMPACTED EARTH WORK BE LESS THAN NINETY PERCENT (90%).

2.07 CLEAN-UP: BEFORE OCCUPANCY OF HOUSES IS PERMITTED, THE ENTIRE WORK SITE SHALL BE CLEANED OF ALL DEBRIS AND REFUSE THAT WOULD MAKE THE AREA UNSAFE OR UNSIGHTLY.

2.08 TESTING LAB REPORT: A SOILS REPORT WAS PREPARED FOR THE SUBJECT PROJECT. ALL EARTH AND SOILS WORK SHALL CONFORM TO THE RECOMMENDATIONS THEREOF. A COPY OF SAID REPORT MAY BE REVIEWED AT THE OFFICE OF THE ENGINEER.

2.09 IMPORTED EARTH FILL: IF THE WORK REQUIRES THE TRANSPORTATION OF EARTH FILL, THE CONTRACTOR SHALL, BEFORE COMMENCING IMPORT WORK, DESIGNATE HIS SOURCE AND ALLOW FOR TESTING AND APPROVAL BY THE TESTING LAB. ALL IMPORT SHALL BE SUBJECT TO THE APPROVAL OF OWNER OR HIS AUTHORIZED TESTING LABORATORY.

2.09 FINISHED GRADING: THE FINAL ELEVATION OF GROUND SURFACE ON TOP OF BUILDING PAD SHALL BE WITHIN PLUS OR MINUS 0.10 FT. AND WITHIN 0.05 FT FOR DRAINAGE SWALES OR THAT INDICATED ON THE LOTS GRADING PLAN. THE FINISHED SURFACE SHALL BE FREE OF CLODS AND ROCKS LARGER THAN 2 INCHES...

2.10 BEFORE THE ISSUANCE OF BUILDING PERMITS, EARTHWORK AND/OR GRADING SHALL BE CERTIFIED THROUGH A STAMPED LETTER, SIGNED BY THE REGISTERED ENGINEER WITH SOILS TEST REPORTS ATTACHED, STATING THE FOLLOWING:

THAT WORK IS IN COMPLIANCE WITH THE ORIGINAL SOILS REPORT STATED ON PLANS OF THE SUBDIVISION FINAL MAP OR THAT WORK IS IN COMPLIANCE WITH AN AMENDMENT TO THE ORIGINAL SOILS STUDY REPORT, OR THAT WORK IS IN COMPLIANCE WITH AN UPDATED AND DIFFERENT SOILS REPORT FROM THAT STATED OF THE SUBDIVISION FINAL MAP...

2.11 BEFORE THE ISSUANCE OF BUILDING PERMITS, 4 ELEVATIONS READING WITHIN EACH BUILDING PAD SHALL BE CERTIFIED THROUGH A SKETCH STAMPED AND SIGNED BY A REGISTERED ENGINEER. COPY OF SAID SKETCH SHALL BE SUBMITTED TO THE BUILDING AND ENGINEERING DEPARTMENT.

2.12 BEFORE THE ISSUANCE OF CERTIFICATIONS OF OCCUPANCIES: LOTS FINISHED GRADING SHALL BE SUITABLE AND PROPERLY DONE FOR LOTS TO DRAIN AS CALLED ON DRAWINGS PLANS. A CERTIFICATION LETTER STAMPED AND SIGNED BY A REGISTERED ENGINEER SHALL BE SUBMITTED TO THE BUILDING AND ENGINEERING DEPARTMENT.

2.13 IN ADDITION TO THE SPECIFICATIONS INCLUDED HEREIN ON THESE IMPROVEMENT DRAWINGS, THE CONTRACTOR AND/OR SUBCONTRACTOR SHALL ALSO FOLLOW THOSE SPECIFICATIONS FROM THE 1997 UBC SECTIONS 3304-3316 PERTAINING TO EARTHWORK AND GRADING.

3. STREET WORK

3.01 CONCRETE: CONCRETE CURBS, SIDEWALKS AND CUTTERS SHALL CONFORM TO SECTION 73-1.01 THRU 73-1.06 OF THE STANDARD SPECIFICATIONS. WEAKENED PLANE AND EXPANSION JOINTS SHALL BE LOCATED, SPACED AND SEALED AS DETAILED ON THESE DRAWINGS. ALL CONCRETE SHALL BE FURNISHED WITH A "CERTIFICATE OF COMPLIANCE" CONFORMING TO THESE SPECIFICATIONS...

EXPANSION AND WEAKENED PLANE JOINTS SHALL BE INSTALLED AND SEALED IN ALL CONCRETE CURBS, CUTTERS, CROSS-GUTTERS, RAMPS, SIDEWALKS AND DRIVEWAYS AS DETAILED ON THESE DRAWINGS AND AS HEREIN SPECIFIED. SIDEWALK JOINTS TO BE SEALED SHALL BE SEALED WITH A PREMIUM GRADE, ONE-COMPONENT, POLYURETHANE NON-SAG ELASTOMERIC SEALANT EQUAL TO SHAFLEX-15 LM. SEALANT SHALL BE APPLIED TO CUTTER JOINTS AS SHOWN IN DETAILS AND ALL SIDEWALK JOINTS IN THE VICINITY OF DRIVEWAYS...

3.02 SUBGRADE: SUBGRADE FOR ALL STREET WORK SHALL BE UNIFORM AND COMPACTED TO A DENSITY OF NO LESS THAN 90% OF MAXIMUM FOR A DEPTH OF AT LEAST TWELVE (12) INCHES BELOW BOTTOM OF CONCRETE OR BASE MATERIAL TO BE PLACED. SUBGRADE SHALL BE FINISHED TO WITHIN PLUS (HIGH) 0.00 FOOT, OR MINUS (LOW) 0.10 FOOT OF DESIGN SURFACE SHOWN OR INDICATED BY THESE DRAWINGS...

SUBGRADE FOR STREET, CURB AND GUTTERS, SIDEWALKS AND DRIVEWAYS SHALL BE UNIFORM COMPACTED TO A RELATIVE COMPACTION OF NO LESS THAN 90% FOR A DEPTH OF NO LESS THAN 12 INCHES AND SHALL BE FINISHED WITH NO HIGH GRADES, OR MINUS 0.10 FT. (LOW) OF THE THEORETICAL GRADE INDICATED ON THE PLANS. THE MOISTURE CONTENT SHALL BE AT TIME OF TESTING AND AT TIME OF PLACEMENT OF OVERLAYING WORK, NO LESS THAN OPTIMUM. MOISTEN OR SUBGRADE FOR SIDEWALKS AND DRIVEWAYS IS ALSO RECOMMENDED PRIOR PLACING OF CONCRETE.

3.03 GROUND STERILIZATION: EACH 100 SQ. FT. OF BASE AREA UNDER ASPHALT PAVING SHALL BE TREATED WITH 2.5 LB OF MONOBOR-CHLORATE GRANULAR WEED KILLER. CONTRACTOR TO SUBMIT "CERTIFICATION OF STERILIZATION" TO THE BUILDING AND ENGINEERING DEPARTMENTS PRIOR TO COMMENCING NEXT PHASE OF WORK.

3.04 AGGREGATE BASE: AGGREGATE BASE FOR STREET PAVING AND ASSOCIATED FACILITIES SHALL BE CLASS 2 CONFORMING TO SECTIONS 26-1.01 THRU 26-1.02S, 26-1.04 AND 26-1.05 OF THE STANDARD SPECIFICATIONS; EXCEPT, MOTOR GRADERS MAY BE USED FOR SPREADING AND SHAPING MATERIAL SO LONG AS SERIOUS SEGREGATION DOES NOT OCCUR. THE FINISHED SURFACE OF BASE JUST PRIOR TO PLACEMENT OF OVERLAYING ASPHALTIC OR PORTLAND CEMENT CONCRETE SHALL BE WITHIN PLUS (HIGH) 0.05 FOOT OR MINUS (LOW) 0.05 FOOT OF DESIGN SURFACE INDICATED ON THESE DRAWINGS...

3.05 ASPHALTIC CONCRETE: ASPHALTIC CONCRETE (AC) PAVING SHALL BE TYPE "B" CONFORMING TO SECTION 39-1.01 THRU 39-6.03 OF THE STANDARD SPECIFICATIONS. AGGREGATE GRADATION AND ASPHALTIC BINDER CONTENT SHALL BE AS REQUIRED BY CITY (3/4" MAX) EXCEPT, IN NO CASE SHALL PERCENT OF BINDER BE LESS THAN 5% OF TOTAL WEIGHT OF MIX. WHERE ASPHALTIC CONCRETE DOES NOT ABUT THE EDGE OF OTHER PAVING OR CONCRETE, SUBCONTRACTOR SHALL EITHER: INSTALL A 3" X 6" REDWOOD HEADER; DOUBLE THE THICKNESS OF AC FOR A DISTANCE OF EIGHTEEN (18) INCHES FROM THE EDGE; OR, EXTEND BASE AND SUBGRADE TWELVE (12) INCHES BEYOND EDGE OF ASPHALT. ALL ASPHALT PAVING SHALL BE FOOT SEALED AFTER COMPLETION IN ACCORDANCE WITH SECTIONS 37-1.01 THRU 37-1.05. ASPHALT PAVING DENSITY AFTER COMPACTION SHALL BE NO LESS THAN 139 POUNDS PER CUBIC FOOT. ALL ASPHALT SHALL BE FURNISHED WITH A "CERTIFICATE OF COMPLIANCE". CONTRACTOR TO SUBMIT A CERTIFIED ASPHALT MIX DESIGN. NO RECYCLED MATERIALS WILL BE ALLOWED.

SHEET 7 OF 10 SHEETS SPECIFICATIONS Behavioral Health Building (County Project No. 860228B) PARKING RENOVATION LOT 5E AND ALLEY 202 N. EIGHTH STREET, EL CENTRO, CA 92243 CLIENT: COUNTY OF IMPERIAL, CA DRAWN BY: STAFF

L.C. ENGINEERING CONSULTANTS INC. CIVIL ENGINEERING AND SURVEYING-CONSTRUCTION MANAGEMENT SERVICES 1065 State Street El Centro CA 92243

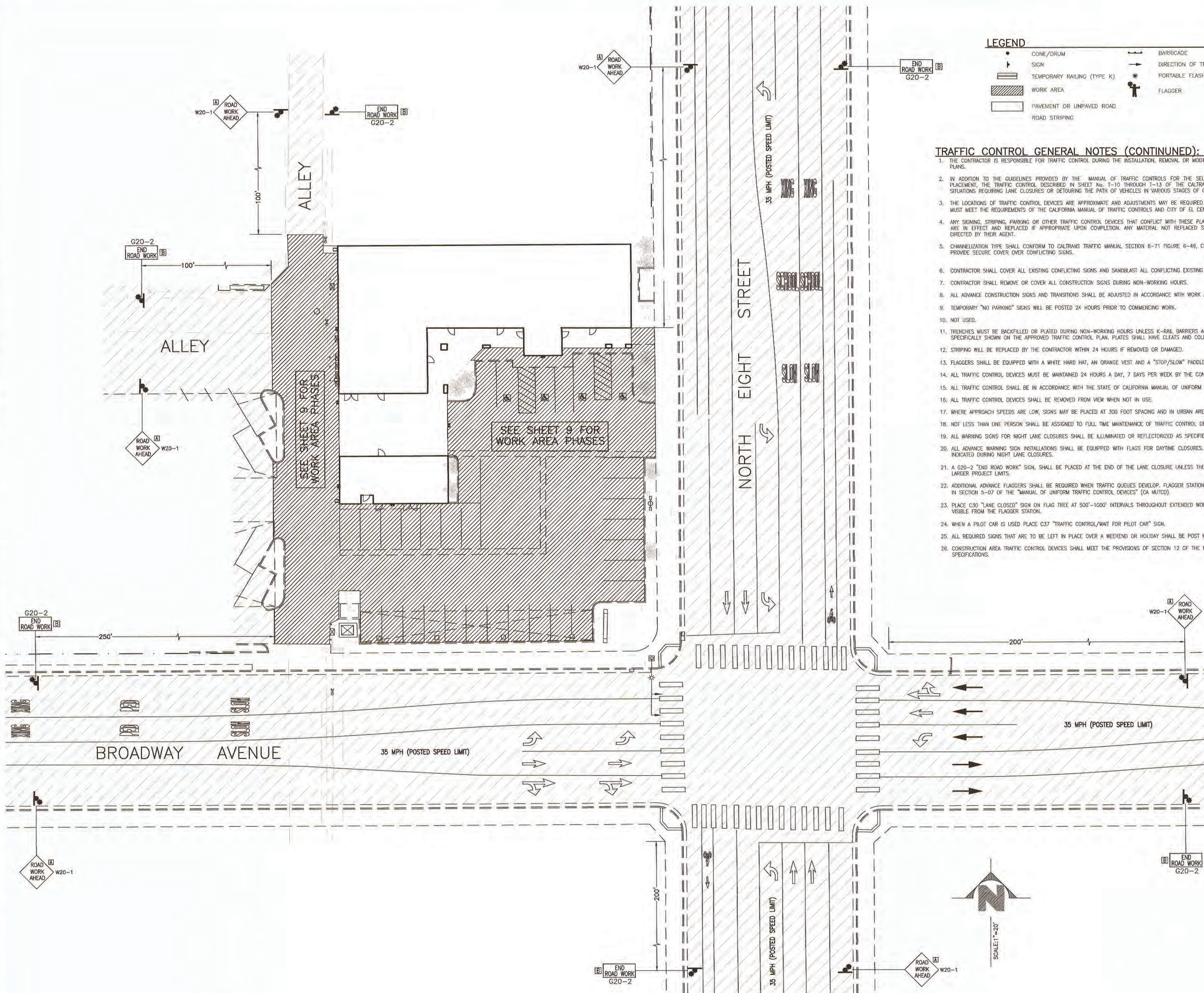
Professional Engineer Seal for John A. Cay, P.E., No. 57392, Exp. 12-31-21

Professional Engineer Seal for Mauricio Lam, P.E., No. 57392, Exp. 12-31-21

COUNTY OF IMPERIAL DEPARTMENT OF PUBLIC WORKS APPROVED FOR CONSTRUCTION BY: [Signature] DATE: 9/9/21 BY: JOHN A. CAY, P.E. R.C.E. NO.: 62028

ENGINEER OF RECORD PLANS PREPARED UNDER THE SUPERVISION OF: [Signature] DATE: 9/7/21 BY: MAURICIO LAM, P.E. R.C.E. NO.: 57392

Table with 2 columns: No., REVISIONS. Contains revision details.



LEGEND

- CONE/DRUM
- ⬇ SIGN
- ▨ TEMPORARY RAILING (TYPE K)
- ▨ WORK AREA
- ▭ PAVEMENT OR UNPAVED ROAD
- ▭ ROAD STRIPING
- BARRICADE
- DIRECTION OF TRAVEL
- ⚡ PORTABLE FLASHING BEACON
- ⚡ FLAGGER

SIGN PANEL SIZE (MIN)

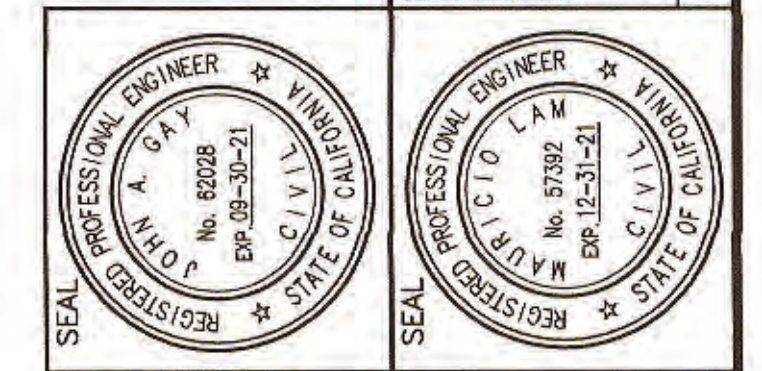
A 36" X 36" B 36" X 18"

- TRAFFIC CONTROL GENERAL NOTES (CONTINUED):**
1. THE CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTROL DURING THE INSTALLATION, REMOVAL OR MODIFICATION OF ALL SIGNING AND STRIPING SHOWN ON THESE PLANS.
 2. IN ADDITION TO THE GUIDELINES PROVIDED BY THE MANUAL OF TRAFFIC CONTROLS FOR THE SELECTION OF THE MOST APPROPRIATE DEVICES AND THEIR PLACEMENT, THE TRAFFIC CONTROL DESCRIBED IN SHEET No. 1-10 THROUGH 1-13 OF THE CALTRANS STANDARD PLANS DATED 2010 SHALL BE USED IN SITUATIONS REQUIRING LANE CLOSURES OR DETOURING THE PATH OF VEHICLES IN VARIOUS STAGES OF CONSTRUCTION.
 3. THE LOCATIONS OF TRAFFIC CONTROL DEVICES ARE APPROXIMATE AND ADJUSTMENTS MAY BE REQUIRED TO MEET FIELD CONDITIONS. HOWEVER, ANY ADJUSTMENTS MUST MEET THE REQUIREMENTS OF THE CALIFORNIA MANUAL OF TRAFFIC CONTROLS AND CITY OF EL CENTRO TRAFFIC ENGINEER'S APPROVAL.
 4. ANY SIGNING, STRIPING, PARKING OR OTHER TRAFFIC CONTROL DEVICES THAT CONFLICT WITH THESE PLANS SHALL BE REMOVED OR COVERED WHILE THESE PLANS ARE IN EFFECT AND REPLACED IF APPROPRIATE UPON COMPLETION. ANY MATERIAL NOT REPLACED SHALL BE DELIVERED TO THE CONTRACTING AUTHORITY AS DIRECTED BY THEIR AGENT.
 5. CHANNELIZATION TYPE SHALL CONFORM TO CALTRANS TRAFFIC MANUAL SECTION 6-71 FIGURE 6-49, CONSISTENT WITH FIELD CONDITIONS DURING CONSTRUCTION. PROVIDE SECURE COVER OVER CONFLICTING SIGNS.
 6. CONTRACTOR SHALL COVER ALL EXISTING CONFLICTING SIGNS AND SANDBLAST ALL CONFLICTING EXISTING STRIPING.
 7. CONTRACTOR SHALL REMOVE OR COVER ALL CONSTRUCTION SIGNS DURING NON-WORKING HOURS.
 8. ALL ADVANCE CONSTRUCTION SIGNS AND TRANSITIONS SHALL BE ADJUSTED IN ACCORDANCE WITH WORK AREA.
 9. TEMPORARY "NO PARKING" SIGNS WILL BE POSTED 24 HOURS PRIOR TO COMMENCING WORK.
 10. NOT USED.
 11. TRENCHES MUST BE BACKFILLED OR PLATED DURING NON-WORKING HOURS UNLESS K-RAIL BARRIERS ARE PROVIDED. K-RAIL IS APPROVED ONLY WHEN SPECIFICALLY SHOWN ON THE APPROVED TRAFFIC CONTROL PLAN. PLATES SHALL HAVE CLEATS AND COLD MIX AT THE EDGES.
 12. STRIPING WILL BE REPLACED BY THE CONTRACTOR WITHIN 24 HOURS IF REMOVED OR DAMAGED.
 13. FLAGGERS SHALL BE EQUIPPED WITH A WHITE HARD HAT, AN ORANGE VEST AND A "STOP/SLOW" PADDLE ON A 5 FOOT STAFF.
 14. ALL TRAFFIC CONTROL DEVICES MUST BE MAINTAINED 24 HOURS A DAY, 7 DAYS PER WEEK BY THE CONTRACTOR.
 15. ALL TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE STATE OF CALIFORNIA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD) LATEST EDITION.
 16. ALL TRAFFIC CONTROL DEVICES SHALL BE REMOVED FROM VIEW WHEN NOT IN USE.
 17. WHERE APPROACH SPEEDS ARE LOW, SIGNS MAY BE PLACED AT 300 FOOT SPACING AND IN URBAN AREAS, CLOSER.
 18. NOT LESS THAN ONE PERSON SHALL BE ASSIGNED TO FULL TIME MAINTENANCE OF TRAFFIC CONTROL DEVICES ON ALL NIGHT LANE CLOSURES.
 19. ALL WARNING SIGNS FOR NIGHT LANE CLOSURES SHALL BE ILLUMINATED OR REFLECTORIZED AS SPECIFIED IN THE SPECIFICATIONS.
 20. ALL ADVANCE WARNING SIGN INSTALLATIONS SHALL BE EQUIPPED WITH FLAGS FOR DAYTIME CLOSURES. FLASHING BEACONS SHALL BE PLACED AT ALL LOCATIONS INDICATED DURING NIGHT LANE CLOSURES.
 21. A G20-2 "END ROAD WORK" SIGN, SHALL BE PLACED AT THE END OF THE LANE CLOSURE UNLESS THE END OF THE WORK AREA IS OBVIOUS, OR ENDS WITHIN A LARGER PROJECT LIMITS.
 22. ADDITIONAL ADVANCE FLAGGERS SHALL BE REQUIRED WHEN TRAFFIC QUEUES DEVELOP. FLAGGER STATIONS FOR WORK AT NIGHT SHALL BE ILLUMINATED AS NOTED IN SECTION 5-07 OF THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" (CA MUTCD).
 23. PLACE C30 "LANE CLOSED" SIGN ON FLAG TREE AT 500'-1000' INTERVALS THROUGHOUT EXTENDED WORK AREAS. THEY ARE OPTIONAL IF THE WORK AREA IS VISIBLE FROM THE FLAGGER STATION.
 24. WHEN A PILOT CAR IS USED PLACE C37 "TRAFFIC CONTROL/WAIT FOR PILOT CAR" SIGN.
 25. ALL REQUIRED SIGNS THAT ARE TO BE LEFT IN PLACE OVER A WEEKEND OR HOLIDAY SHALL BE POST MOUNTED.
 26. CONSTRUCTION AREA TRAFFIC CONTROL DEVICES SHALL MEET THE PROVISIONS OF SECTION 12 OF THE MOST RECENT EDITION OF THE CALTRANS STANDARD SPECIFICATIONS.

SHEET 8 OF 10 SHEETS
JOB NO. C21006-00

Behavioral Health Building (County Project No. S68226B)
PARKING RENOVATION LOT 5E AND ALLEY
202 N. EIGHTH STREET, EL CENTRO, CA 92424
TRAFFIC CONTROL PLAN
DRAWN BY: STAFF
CLIENT: COUNTY OF IMPERIAL, CA

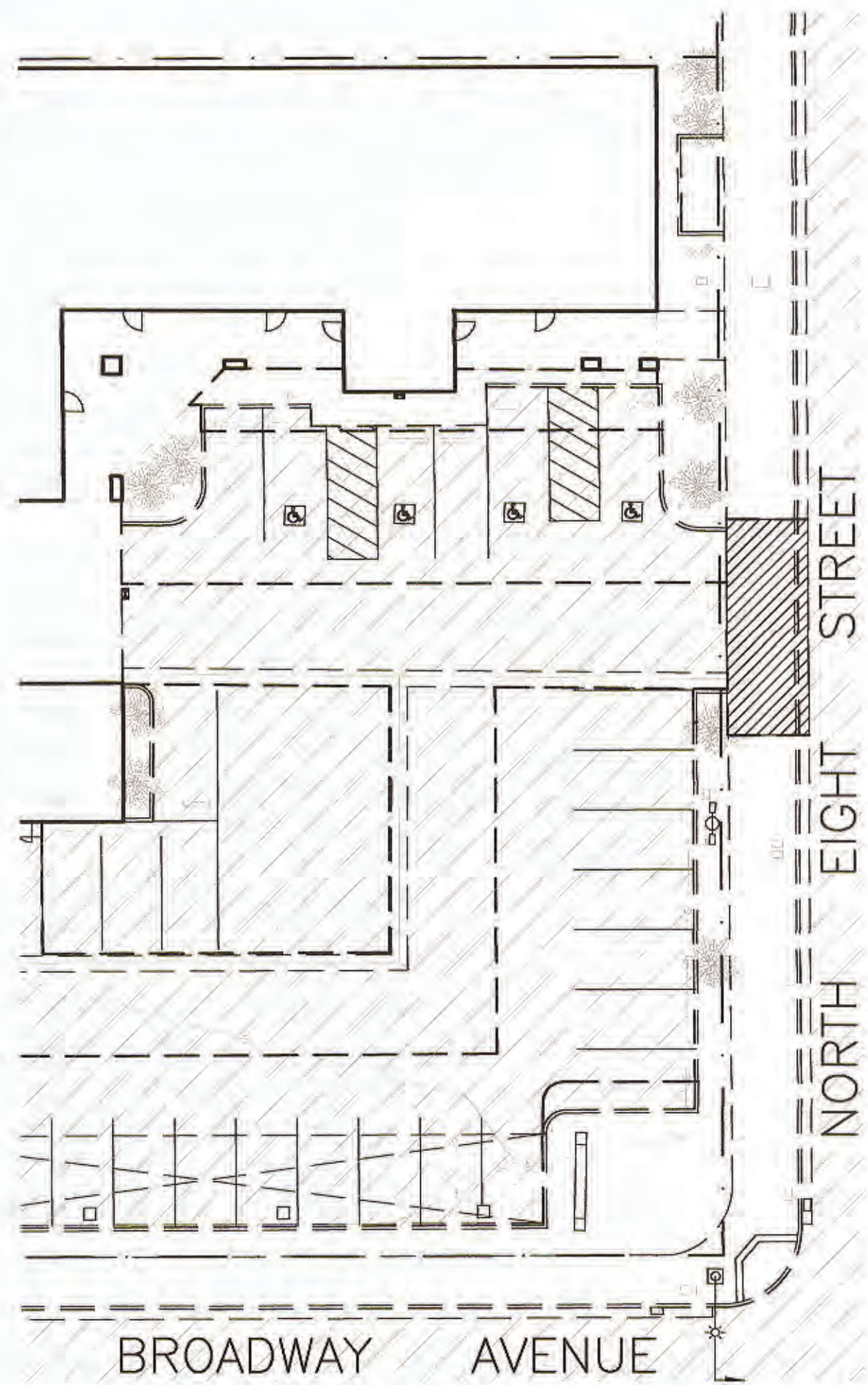
LC ENGINEERING CONSULTANTS INC.
CIVIL ENGINEERING • LAND SURVEYING • CONSTRUCTION MANAGEMENT SERVICES
1065 State Street
El Centro CA 92424
www.lce-inc.com
tel: 951.353.0300
DATE: 09/07/21
BENCHMARK: NW CORNER BUILDING COURTHOUSE



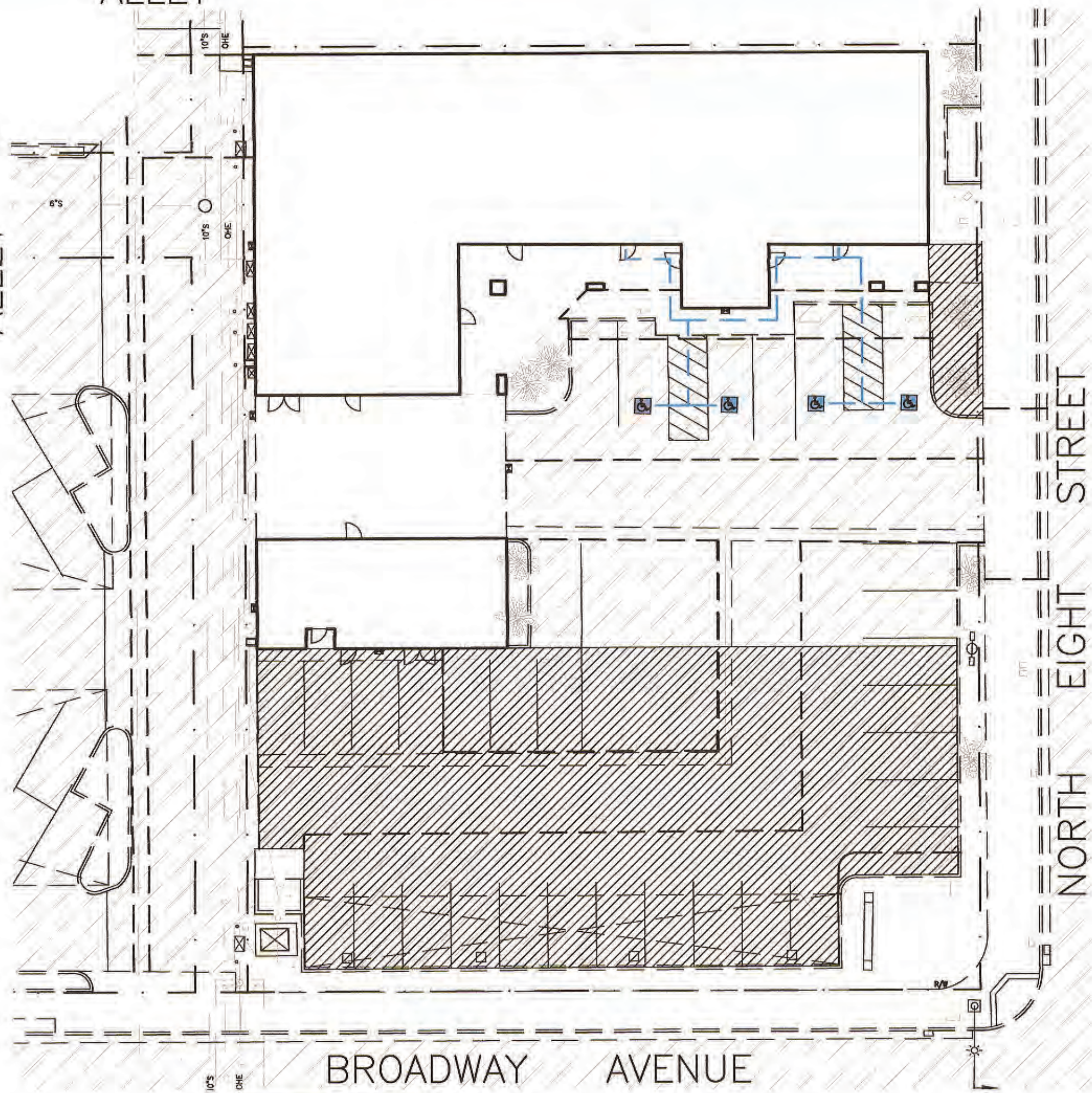
COUNTY OF IMPERIAL DEPARTMENT OF PUBLIC WORKS
APPROVED FOR CONSTRUCTION BY:
BY: *John A. Gray* JOHN A. GRAY, P.E. DATE: 9/14/21
R.C.E. NO.: 82028

ENGINEER OF RECORD
PLANS PREPARED UNDER THE SUPERVISION OF:
BY: *Mauricio Lam* MAURICIO LAM, P.E. DATE: 9.7.21
R.C.E. NO.: 57392

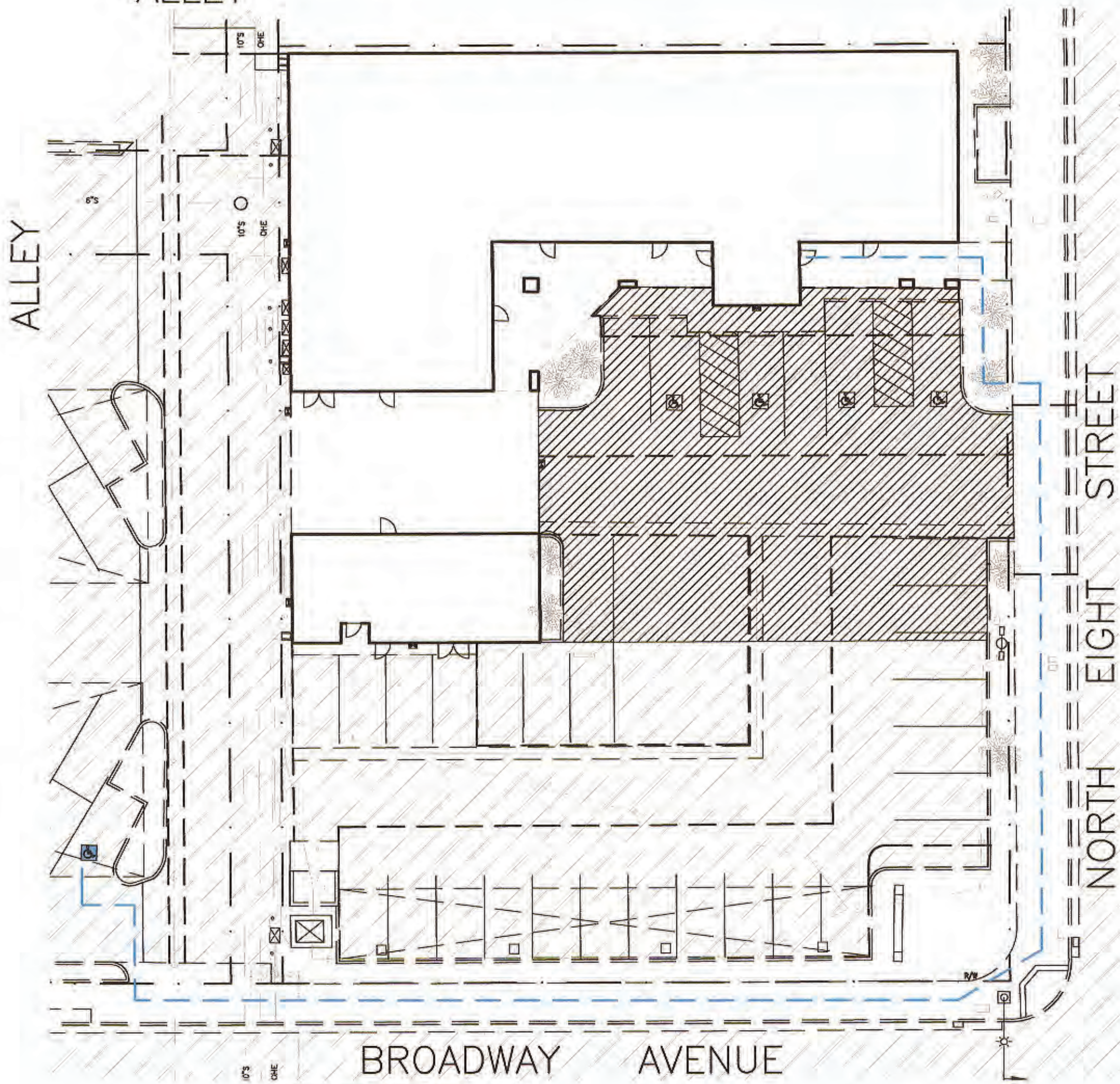
No.	REVISIONS	DATE



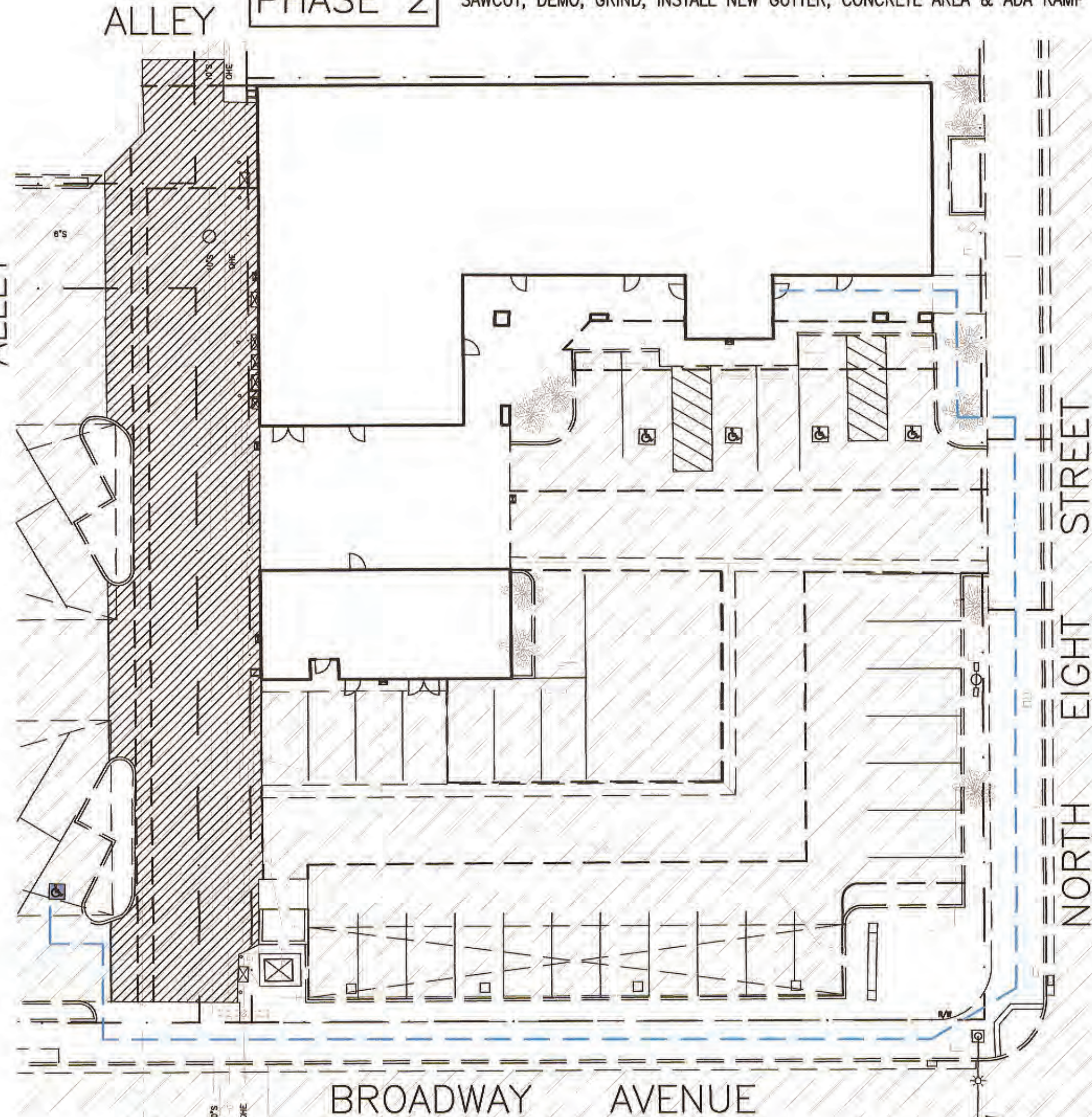
PHASE 1 SAWCUT, DEMO & INSTALL NEW DRIVEWAY



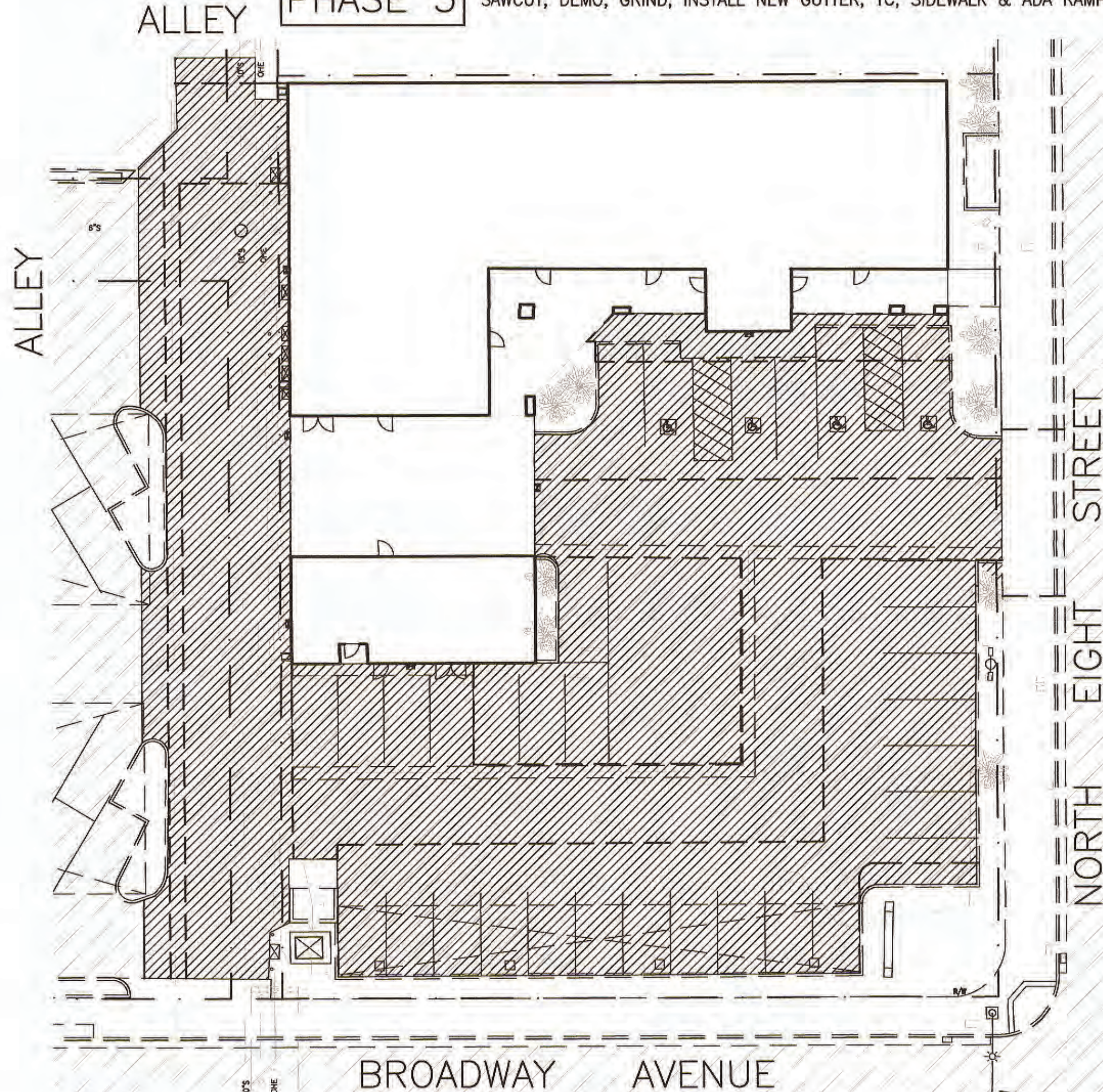
PHASE 2 SAWCUT, DEMO, GRIND, INSTALL NEW GUTTER, CONCRETE AREA & ADA RAMP



PHASE 3 SAWCUT, DEMO, GRIND, INSTALL NEW GUTTER, TC, SIDEWALK & ADA RAMP



PHASE 4 SAWCUT, DEMO, GRIND & INSTALL NEW GUTTER



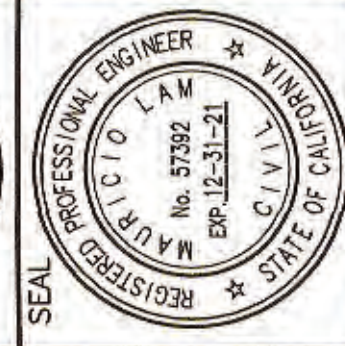
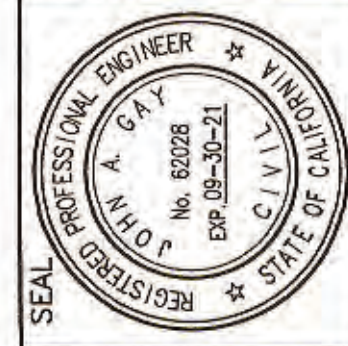
PHASE 5 ALLEY & PARKING AREA AC OVERLAY

LEGEND

	• CONE/DRUM		BARRICADE
	□ SIGN		DIRECTION OF TRAVEL
	▨ TEMPORARY RAILING (TYPE K)		PORTABLE FLASHING BEACON
	▨ WORK AREA		FLAGGER
	▨ PAVEMENT OR UNPAVED ROAD		
	▨ ROAD STRIPING		

SIGN PANEL SIZE (MIN)

	36" X 36"		36" X 18"
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COUNTY OF IMPERIAL DEPARTMENT OF PUBLIC WORKS
 APPROVED FOR CONSTRUCTION BY:
 BY: *John A. Gay* JOHN A. GAY, P.E. DATE: 9/6/21
 R.C.E. NO.: 62028

ENGINEER OF RECORD
 PLANS PREPARED UNDER THE SUPERVISION OF:
 BY: *Mauricio Lam* MAURICIO LAM, P.E. DATE: 9-7-21
 R.C.E. NO.: 57392

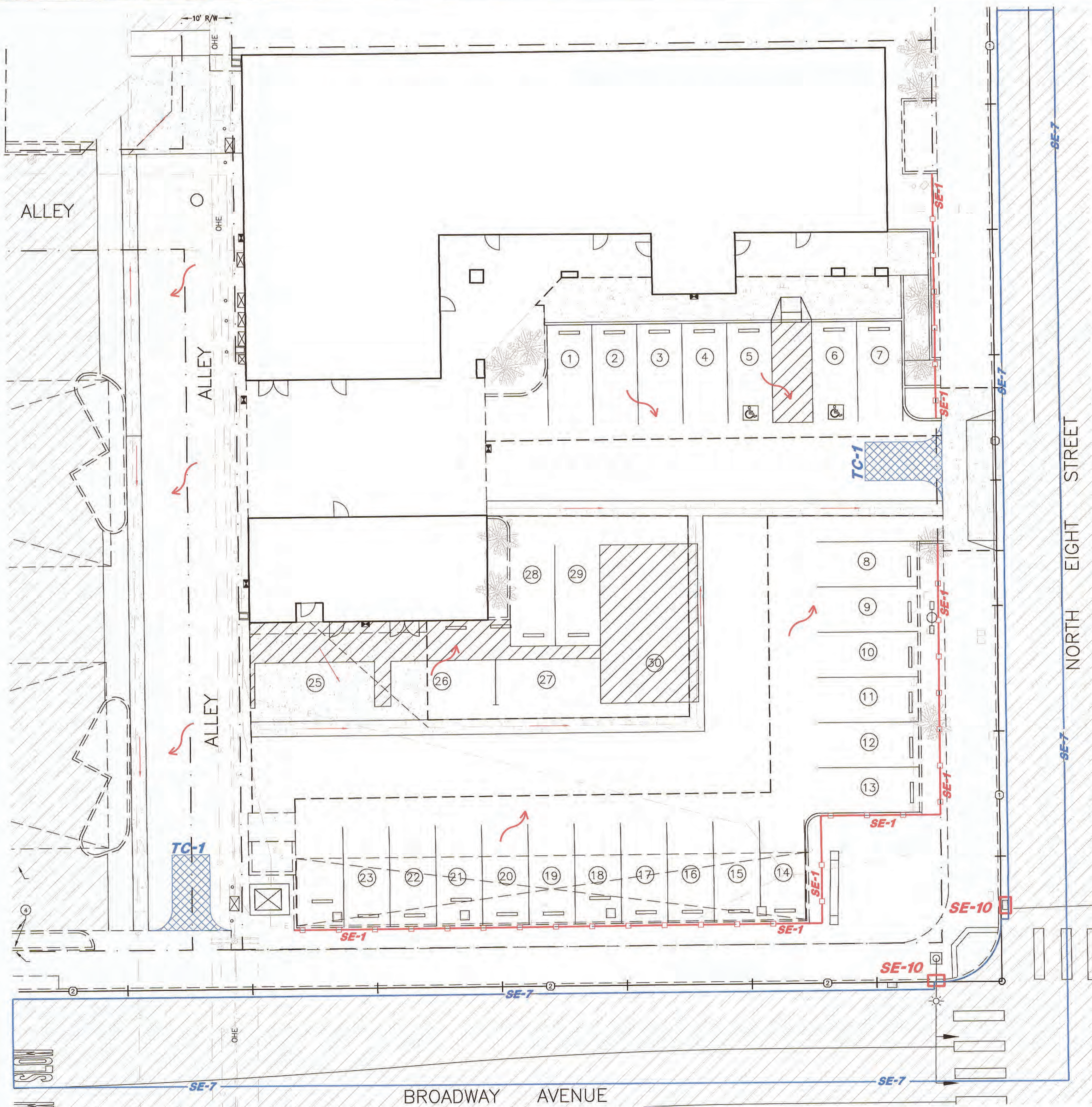
No.	REVISIONS	BY	DATE

Behavioral Health Building (County Project No. SR62228H)
 PARKING RENOVATION LOT 5E AND ALLEY
 202 N. EIGHTH STREET, EL CENTRO, CA 92243

LC ENGINEERING CONSULTANTS INC.
 CIVIL ENGINEERING • LAND SURVEYING • CONSTRUCTION MANAGEMENT SERVICES
 1065 State Street
 El Centro CA 92243
 www.lcei.com
 info@lcei.com
 951-453-5350

DATE: 09/07/21 BENCHMARK: NW CORNER BUILDING COURTHOUSE

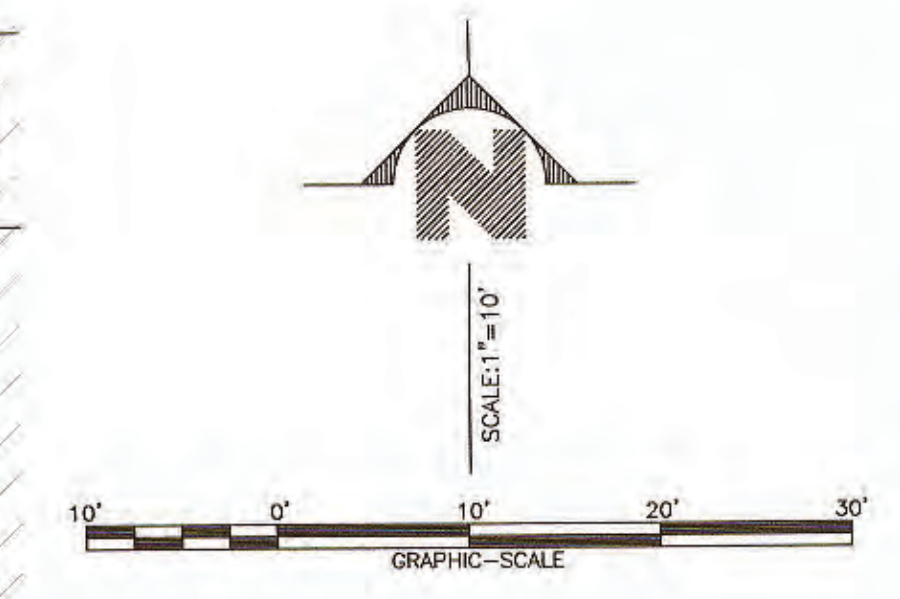
SHEET 9 OF 10 SHEETS
 JOB NO. C21006-00
 DRAWN BY: STAFF



- STORM WATER POLLUTION CONTROL CONSTRUCTION NOTES:**
- 1.- INSTALL SILT FENCE FOR PERIMETER CONTROL DURING MASS GRADING AND UTILITIES INSTALLATION. SEE SE-1 FOR INSTALLATION INSTRUCTIONS.
 - 2.- INSTALL SANDBAG BARRIER FOR PERIMETRAL CONTROL, ACROSS CONCENTRATED FLOW PATHS, AT DRAINAGE INLETS AND AROUND TEMPORARY STOCKPILES AND SPILLS. SEE SE-8 FOR INSTALLATION INSTRUCTIONS.
 - 3.- STABILIZED CONSTRUCTION ENTRANCE/EXIT. SEE TC-1 FOR INSTALLATION INSTRUCTIONS.
 - 4.- STREET SWEEPING AND VACUUMING TO BE PERFORMED ON EXISTING STREETS AND ROADS, AND ON NEW STREETS ONCE CONSTRUCTED. SEE SE-7 FOR IMPLEMENTATION INSTRUCTIONS.
 - 5.- APPLY HYDRAULIC MULCH FOR TEMPORARY EROSION CONTROL TO RETENTION BASINS ONCE THEY ARE GRADED AND AREAS TO BE LANDSCAPED. SEE EC-3 FOR INSTALLATION INSTRUCTIONS.
 - 6.- APPLY PERMANENT SEEDING AND PLANTING TO FINISHED AREAS THAT WERE DESIGNATED FOR PERMANENT VEGETATION. SEE EC-4 FOR INSTALLATION INSTRUCTIONS.
 - 7.- APPLY SOIL BINDER IN AREAS WITHOUT CONSTRUCTION ACTIVITIES OF 21 DAYS OR MORE, AND TO STOCKPILES. SEE EC-5 FOR INSTALLATION INSTRUCTIONS.
 - 8.- INSTALL STORM DRAIN INLET PROTECTION ON DROP INLET STRUCTURES AND CATCH BASINS. APPROXIMATE LOCATIONS ARE SHOWN ON THE DRAWINGS. SEE SE-10 FOR INSTALLATION INSTRUCTIONS.
 - 9.- APPLY WIND EROSION CONTROL THROUGHOUT THE CONSTRUCTION SITE. SEE WE-1 FOR IMPLEMENTATION INSTRUCTIONS.
 - 10.- COMBINED VEHICLE CLEANING, FUELING AND MAINTENANCE STORAGE AREA. SEE NS-8, NS-9, AND NS-10 FOR INSTALLATION INSTRUCTIONS.
 - 11.- INSTALL CONCRETE WASTE MANAGEMENT CONTROL. SEE WM-8 FOR INSTALLATION INSTRUCTIONS.
 - 12.- PAVING AND GRINDING OPERATIONS. SEE NS-3.
- GENERAL WATER POLLUTION CONTROL NOTES:**
- 1.- THE INFORMATION IN THESE DRAWINGS ARE ACCURATE FOR WATER POLLUTION CONTROL PURPOSES ONLY.
 - 2.- THE INFORMATION ON THIS PLAN IS INTENDED TO BE USED AS A GUIDELINE FOR THE CONTRACTOR AND SUBCONTRACTORS TO INSTALL WATER POLLUTION CONTROL DEVICES AT GENERAL LOCATIONS THROUGHOUT THE SITE. THESE DRAWINGS ARE TO BE USED IN CONJUNCTION WITH THE NARRATIVE SECTION OF THE STORM WATER POLLUTION PREVENTION PLAN.
 - 3.- FIELD CONDITION MAY NECESSITATE MODIFICATIONS TO THESE DRAWINGS.
 - 4.- PERMANENT EROSION CONTROL WILL BE INSTALLED AS AREAS ARE DETERMINED TO BE SUBSTANTIALLY COMPLETE.
 - 5.- ALL DRAINAGE INLETS RECEIVING RUNOFF FROM DISTURBED AREAS WILL BE PROTECTED WITH A SEDIMENT TRAP INLET PROTECTION.
 - 6.- ALL NECESSARY WORK FOR EROSION CONTROL MEASURES SHALL BE DONE ACCORDING TO THE STATE OF CALIFORNIA CONSTRUCTION SITE BMP FIELD MANUAL AND TROUBLESHOOTING GUIDE AS ADOPTED JANUARY 2003 OR THE LATEST EDITION THEREOF, AND CALIFORNIA STORMWATER QUALITY ASSOCIATION CONSTRUCTION HANDBOOK AS ADOPTED JANUARY 2003 OR THE LATEST EDITION THEREOF.
 - 7.- NO WATER POLLUTION CONTROL DEVICES SHALL BE PLACED IN CITY, COUNTY, OR ID RIGHT OF WAY OR EASEMENTS PRIOR TO APPROVED ENCROACHMENT PERMITS FOR EACH AGENCY.
 - 8.- CONTRACTORS SHALL PROVIDE ADEQUATE DUST SUPPRESSION TO MEET ALL CITY OF EL CENTRO/COUNTY OF IMPERIAL AIR POLLUTION CONTROL DISTRICT REQUIREMENTS.

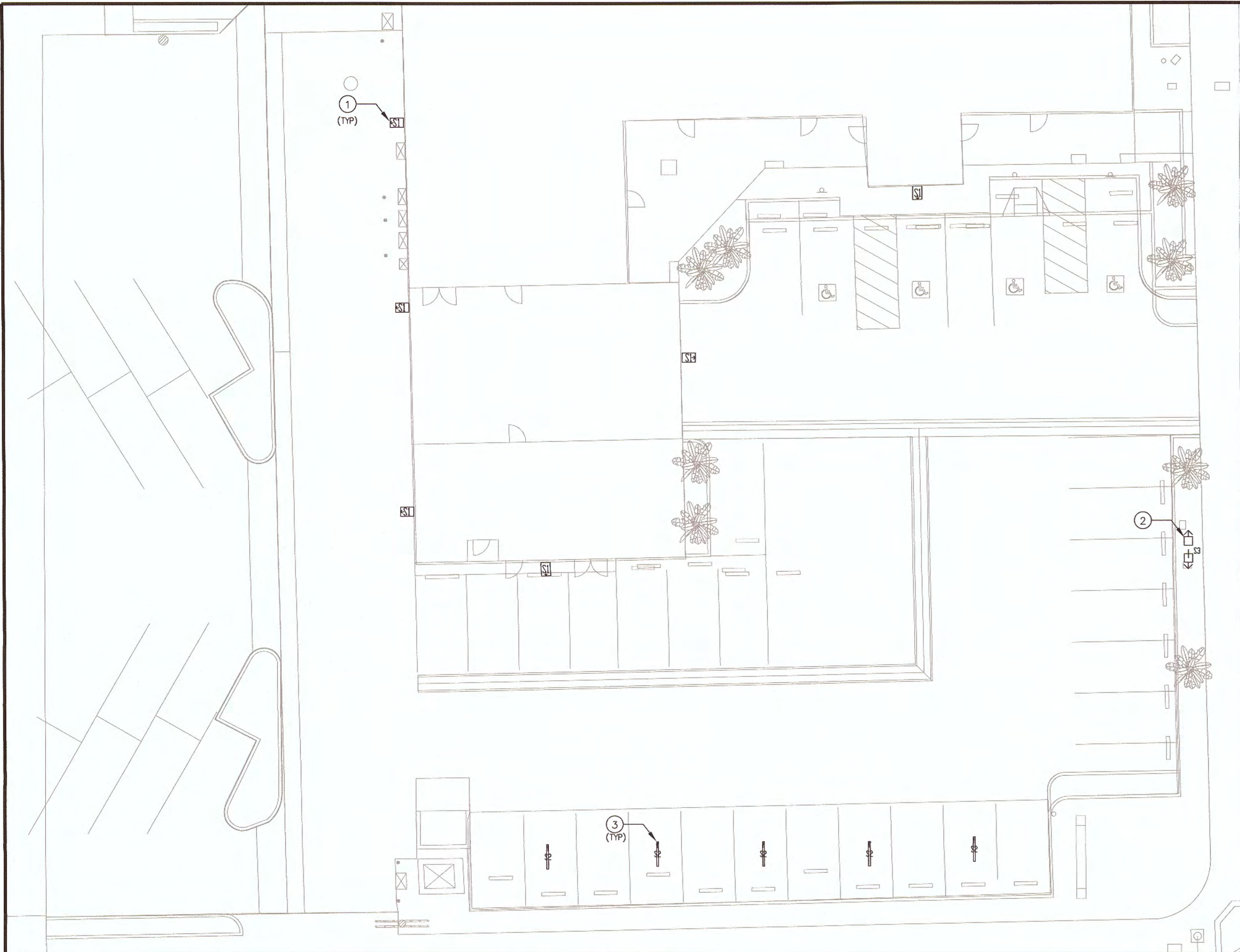
- LEGEND:**
- SE-1 SILT FENCE
 - SE-10 STORM DRAIN INLET PROTECTION (ON ADJACENT AREAS, EXISTING ROADS AND AS SHOWN)
 - EC-3 HYDRAULIC MULCH
 - SE-5 FIBER ROLLS
 - TC-1 STABILIZED CONSTRUCTION ENTRANCE/EXIT
 - SE-7 STREET SWEEPING AND VACUUMING (ON EXISTING ROADS AND ON NEW STREETS ONCE CONSTRUCTED)
 - SE-8 SANDBAG BARRIER (ACROSS UNPAVED DITCHES AND STREAMS AND AS SHOWN)
 - EC-5 SOIL BINDERS
 - NATURAL FLOW PATH
 - PROJECT SURFACE FLOW DIRECTION
 - EC-9 EARTH DIKES AND DRAINAGE SWALES
 - WM-10 LIQUID WASTE MANAGEMENT

NOTE: THE INFORMATION ON THESE DRAWINGS IS ACCURATE FOR WATER POLLUTION CONTROL PURPOSES ONLY



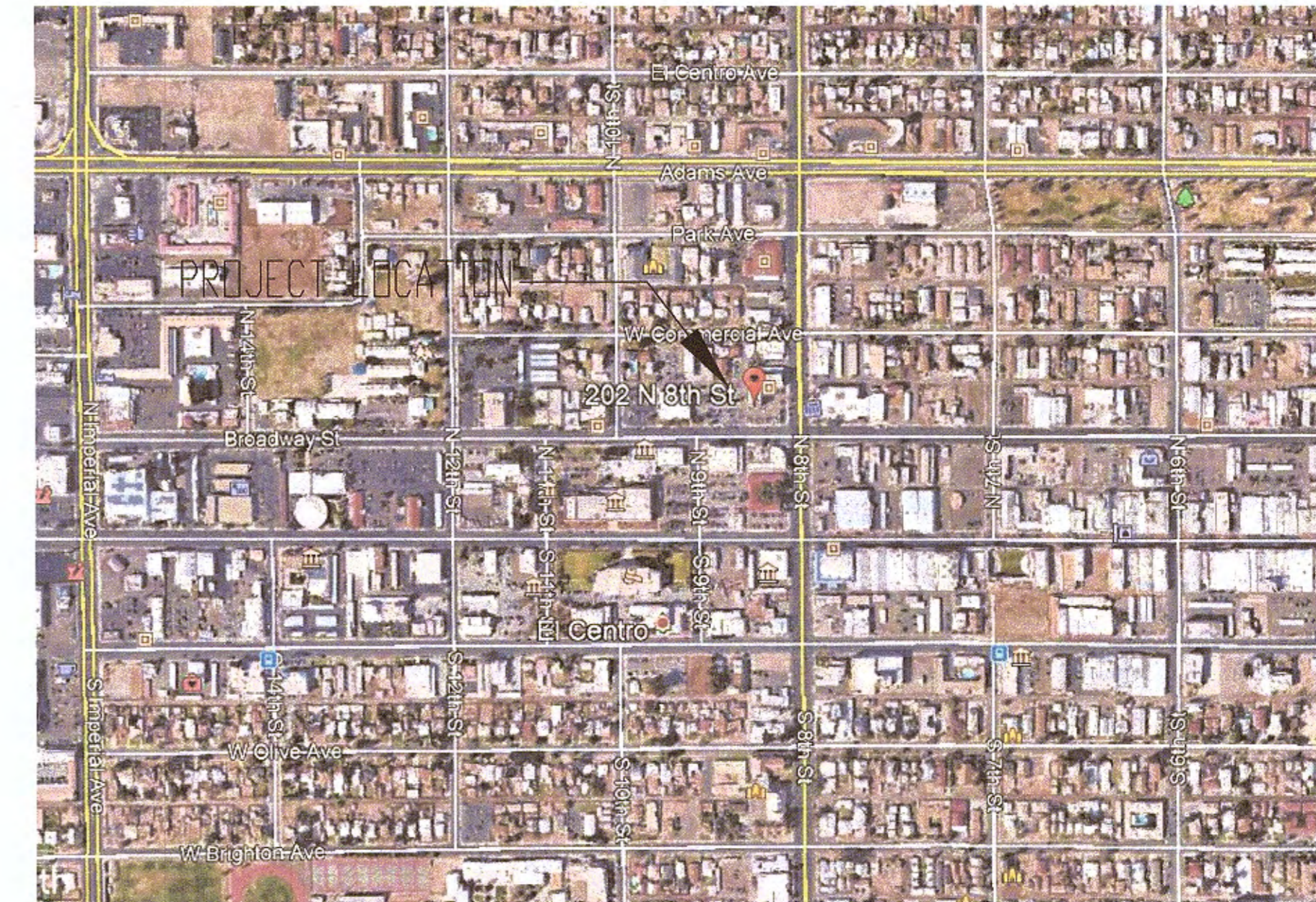
- SITE BMP'S**
- WM-1 MATERIAL DELIVERY AND STORAGE
 - WM-2 MATERIAL USE
 - WM-3 STOCKPILE MANAGEMENT
 - WM-4 SPILL PREVENTION AND CONTROL
 - WM-5 SOLID WASTE MANAGEMENT
 - WM-6 HAZARDOUS WASTE MANAGEMENT
 - WM-8A CONCRETE WASTE MANAGEMENT (ABOVE GRADE CWO)
 - WM-8C CONCRETE WASTE MANAGEMENT (PREFAB CWO)
 - WM-9 SANITARY/SEPTIC WASTE MANAGEMENT
 - WM-10 LIQUID WASTE MANAGEMENT
 - NS-1 WATER CONSERVATION PRACTICES
 - NS-3 PAVING AND GRINDING OPERATIONS
 - NS-6 ILLICIT CONNECTION/DISCHARGE
 - NS-7 POTABLE WATER/IRRIGATION
 - NS-8 VEHICLE AND EQUIPMENT CLEANING
 - NS-9 VEHICLE AND EQUIPMENT FUELING
 - NS-12 CONCRETE CURING
 - NS-13 CONCRETE FINISHING
 - EC-1 SCHEDULING
 - EC-2 PRESERVATION OF EXISTING VEGETATION
 - EC-3 HYDRAULIC MULCH
 - EC-4 HYDROSEEDING
 - EC-5 SOIL BINDERS
 - EC-7 GEOTEXTILES--MATS--PLASTIC COVERS
 - EC-8 WOOD MULCH
 - EC-9 EARTH DIKES AND DRAINAGE SWALES
 - EC-10 VELOCITY DISSIPATION DEVICES
 - TC-2 STABILIZED CONSTRUCTION ROADWAY
 - WE-1 WIND EROSION CONTROL
 - SE-1 SILT FENCE
 - SE-3 TEMPORARY SEDIMENT TRAPS
 - SE-4 CHECK DAMS
 - SE-5 FIBER ROLLS
 - SE-6 GRAVEL BAG BERM
 - SE-7 STREET SWEEPING AND VACUUMING
 - SE-10 STORM DRAIN INLET PROTECTION
 - SE-12 TEMPORARY SILT DIKE
 - TC-1 STABILIZED CONSTRUCTION ENTRANCE/EXIT
 - TC-2 STABILIZED CONSTRUCTION ROADWAY

Behavioral Health Building County Project No. SP62228H PARKING RENOVATION LOT 5E AND ALLEY 202 N. EIGHTH STREET, EL CENTRO, CA 92243		SHEET 10 OF 10 SHEETS JOB NO. C21006-00
EROSION CONTROL PLAN		DRAWN BY: STAFF CLIENT: COUNTY OF IMPERIAL, CA
LC ENGINEERING CONSULTANTS INC. CIVIL ENGINEERING AND SURVEYING-CONSTRUCTION MANAGEMENT SERVICES 1065 State Street El Centro CA 92243 www.lce.com 951-763-3339		BENCHMARK: NW CORNER BUILDING COURTHOUSE DATE: 09/07/21
SEAL PROFESSIONAL ENGINEER DON A. GAY No. 82028 Exp. 09-30-21 REGISTERED CIVIL ENGINEER STATE OF CALIFORNIA	SEAL PROFESSIONAL ENGINEER MAURICIO LAM No. 57392 Exp. 12-31-21 REGISTERED CIVIL ENGINEER STATE OF CALIFORNIA	COUNTY OF IMPERIAL DEPARTMENT OF PUBLIC WORKS APPROVED FOR CONSTRUCTION BY: BY: John A. Gay, P.E. R.C.E. NO.: 62028 DATE: 9/8/21
ENGINEER OF RECORD PLANS PREPARED UNDER THE SUPERVISION OF: BY: MAURICIO LAM, P.E. R.C.E. NO.: 57392 DATE: 9.7.21	REVISIONS No. _____ BY _____ DATE _____	REVISIONS No. _____ BY _____ DATE _____



ELECTRICAL LIGHTING SITE PLAN

SCALE 1/8"=1'-0"



VICINITY MAP

SCALE 1/8"=1'-0"

KEYNOTES:

- ① CONNECT NEW WALL MOUNTED LED LIGHT (WITH EMERGENCY BACK BOX OPTION) TO EXISTING BRANCH CIRCUIT "H2-1". SEE ELECTRICAL PHOTOMETRIC LIGHTING FOR LIGHTING FIXTURE SCHEDULE. PROVIDE WIRE, CONDUIT AND ACCESSORIES AS NECESSARY.
- ② EXISTING PARKING LOT LIGHTING FIXTURE SCHEDULE TO REMAIN.
- ③ EXISTING UNDER CANOPY LIGHTING FIXTURE SCHEDULE TO REMAIN.

NOTE: ELECTRICAL CONTRACTOR SHALL VERIFY EXISTING OUTDOOR BRANCH CIRCUITS AND EXTEND TO NEW LIGHTING FIXTURE LOCATIONS. PROVIDE ACCURATE BRANCH CIRCUIT DIRECTORY AS NECESSARY. VERIFY NEW LIGHTING LOAD DOES NOT OVERLOAD CORRESPONDING BRANCH CIRCUIT AND BREAKER SIZE. REPORT ANY DISCREPANCIES TO THE ELECTRICAL ENGINEER PRIOR TO WORK.

GENERAL NOTES

1. ALL MATERIALS AND WORKMANSHIP TO BE HIGH QUALITY. MATERIALS TO BE UL LISTED AND APPROVED. ALL WORK IS TO BE PERFORMED IN ACCORDANCE WITH THE LATEST ADOPTED NATIONAL ELECTRICAL CODE AND ALL APPLICABLE LOCAL CODES, ORDINANCES AND AMENDMENTS TO THE N.E.C.
2. ALL CEILING AND WALL PENETRATIONS SHALL BE CAULKED/SEALED TO PRESERVE FIRE RATINGS AND WATERPROOF INTEGRITY. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE GOVERNING INSPECTORS FOR EACH PENETRATION, WHICH SHOW COMPLETE CONFORMANCE TO THE UL LISTING REQUIREMENTS.
3. ALL WIRING SHALL BE COPPER UNLESS NOTED OTHERWISE. INSULATION SHALL BE TYPE XHHW OR THHN/THWN. MINIMUM SIZE IS NO. 12 AWG. ALL WIRE SHALL BE IN CONDUIT UNLESS OTHERWISE NOTED ON THE DRAWINGS. UNDERGROUND CONDUCTORS MUST BE RATED FOR 90 DEGREE C AS DEFINED FOR "WET LOCATION" BY THE N.E.C.
4. ALL CONDUITS TO BE METALLIC ELECTRICAL CONDUIT UNLESS NOTED OTHERWISE ON THE DRAWINGS. MINIMUM SIZE CONDUIT IS 1/2" EMT.
5. THE CONTRACTOR IS TO VERIFY THE CONDITION OF EXISTING INSTALLATIONS BY FIELD INSPECTION. THE CONTRACTOR IS TO PROVIDE ALL MATERIAL AND LABOR NECESSARY FOR A COMPLETE AND FINISHED PROJECT.
6. THE ELECTRICAL CONTRACTOR IS TO VERIFY EXACT LOCATIONS, MOUNTING HEIGHT, AND ELECTRICAL REQUIREMENTS OF ALL EQUIPMENT PROVIDED BY OTHERS PRIOR TO ROUGH-IN. THE ELECTRICAL CONTRACTOR IS TO PROVIDE DISCONNECT SWITCHES, CONTACTORS, STARTERS, TRANSFORMERS, AND ALL OTHER DEVICES AS REQUIRED TO PROVIDE A COMPLETE INSTALLATION FOR EACH EQUIPMENT, AND IS TO MAKE FINAL ELECTRICAL CONNECTIONS TO ALL EQUIPMENT.

ELECTRICAL SPECIFICATIONS

FURNISH AND INSTALL, INCLUDING LABOR, SUPERVISION, MATERIALS, TOOLS, SERVICES, TRANSPORTATION, OVERHEAD COSTS, FEES, PLAN CHECK FEES, INSPECTION CHARGES, ROYALTIES, PROFITS, A COMPLETE ELECTRICAL INSTALLATION AS SPECIFIED HEREIN AND INDICATED ON THE ELECTRICAL DRAWINGS. PERFORM WORK IN AN APPROVED, NEAT, FIRST CLASS, SAFE, WORKMANSHIP MANNER THAT COMPLIES WITH ALL APPLICABLE LOCAL, STATE, FEDERAL, AND SERVING ELECTRICAL AND TELEPHONE UTILITIES, CODES, ORDINANCES, RULES, REGULATIONS, STANDARDS, ETC. THE ENTIRE ELECTRICAL INSTALLATION SHALL COMPLY WITH OR SURPASS THE MOST RECENT EDITION OF THE NATIONAL ELECTRICAL CODE AND OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA).

ALL MATERIALS AND EQUIPMENT FURNISHED BY THE ELECTRICAL CONTRACTOR SHALL BE NEW OF FIRST-CLASS QUALITY UNLESS NOTED OTHERWISE, FREE FROM DEFECTS AND CONFORM TO UNDERWRITERS LABORATORIES INC STANDARDS AND BE SO LABELED. MATERIALS, EQUIPMENT NOT INDICATED OR SPECIFIED HEREIN BUT REQUIRED FOR A SUCCESSFUL AND EFFICIENT COMPLETION OF THE ELECTRICAL INSTALLATION SHALL BE HELD TO BE IMPLIED AND SHALL BE FURNISHED AND INSTALLED AT NO ADDITIONAL COST. ENCLOSURES FOR ALL EQUIPMENT SHALL BE SUITABLE FOR USE INTENDED, AS WATERPROOF FOR EXTERIOR AND WET LOCATIONS. ALL EQUIPMENT SHALL BE RATED FOR USE INTENDED LIKE VOLTAGE, HORSE POWER, RATING OF DISCONNECT SWITCHES, ETC.

INCLUDE AND PAY AS DIRECTED ALL COSTS FOR SERVING ELECTRICAL AND TELEPHONE UTILITIES CHARGES, INCLUDING ALL ADDITIONAL WORK AND MATERIALS REQUIRED TO PROVIDE COMPLETE ELECTRICAL AND TELEPHONE SERVICE TO THIS PROJECT.

MATERIALS AND EQUIPMENT INCLUDING THOSE FURNISHED BY OTHERS, THAT ARE TO BE INSTALLED BY THE ELECTRICAL CONTRACTOR SHALL BE RECEIVED AND PROPERLY PROTECTED BY THE CONTRACTOR UNTIL ENTIRE INSTALLATION IS COMPLETE.

MAKE NO INSTALLATION OF WORK WHICH WOULD LEAVE INADEQUATE OPERATION OR SERVICING SPACE FOR ANY ITEM FOR THE ENTIRE PROJECT. DRAWINGS ARE NOT INTENDED TO SHOW IN DETAIL ALL FEATURES OF WORK. CHECK LOCATION AT ELECTRICAL WORK TO DETERMINE IN ADVANCE THAT IT CLEARS ALL OPENINGS, STRUCTURAL MEMBERS, ETC. WHERE CONTRACT DOCUMENTS, FOR EXAMPLE DRAWINGS AND SPECIFICATION, DO NOT MEET WITH MINIMUM CODES, THE CONTRACTOR SHALL INSTALL ALL THE MINIMUM CODE REQUIRED MATERIALS AND EQUIPMENT AT NO ADDITIONAL COST.

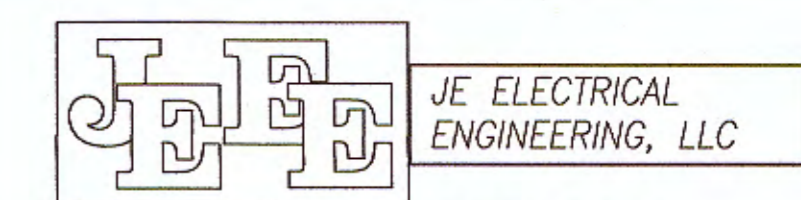
ALL WIRING SHALL BE INSTALLED IN APPROVED RACE-WAYS IF REQUIRED BY CODES. RACE-WAYS SHALL BE APPROVED FOR USE INTENDED. ALL ELECTRICAL CONDUCTORS SHOWN ARE 600 V. COPPER, MINIMUM SIZE CONDUCTOR IS NO. 12 AWG, AND AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER, AS APPLICABLE. ALL CONDUITS SHALL BE INSTALLED CONCEALED UNLESS NOTED OTHERWISE. FURNISH AND INSTALL ALL LIGHT FIXTURES COMPLETE WITH LAMPS AND ACCESSORIES. INSTALL SYMMETRICAL AND PLUMB. CLEAN LENSES AND/OR REFLECTORS AT COMPLETION. PROVIDE PANEL BOARDS WITH FULL SIZED BREAKERS AND COPPER BUSSING. LABEL EQUIPMENT AND WIRING PER N.E.C. LABEL EQUIPMENT WITH MICARTA TAGS, 1/4" ENGRAVED LETTERS. PROVIDE TYPED PANEL DIRECTORIES AND IDENTIFY ALL CIRCUITS AND SPACES.

THE CONTRACT IS TO INCLUDE ALL CONTINGENCIES WHICH MAY ARISE AND WHICH MAY BE REQUIRED TO MAKE A COMPLETE ELECTRICAL SYSTEM.

THE ELECTRICAL CONTRACTORS SHALL VISIT SITE AND DETERMINE EXTENT OF THE WORK. AT COMPLETION OF ELECTRICAL INSTALLATION, PROVIDE OWNER WITH ACCURATE AS-BUILT DRAWINGS INDICATING ALL VARIATIONS FROM CONTRACT DRAWINGS, AND A LETTER TO THE OWNER'S REPRESENTATIVE STATING PROJECT FULLY COMPLIES WITH ALL CONTRACT DOCUMENTS AND IF NOT, HOW INSTALLATION WAS ACCOMPLISHED. ALL CHANGES SHALL BE SUBJECT TO OWNER'S REPRESENTATIVE'S APPROVAL.

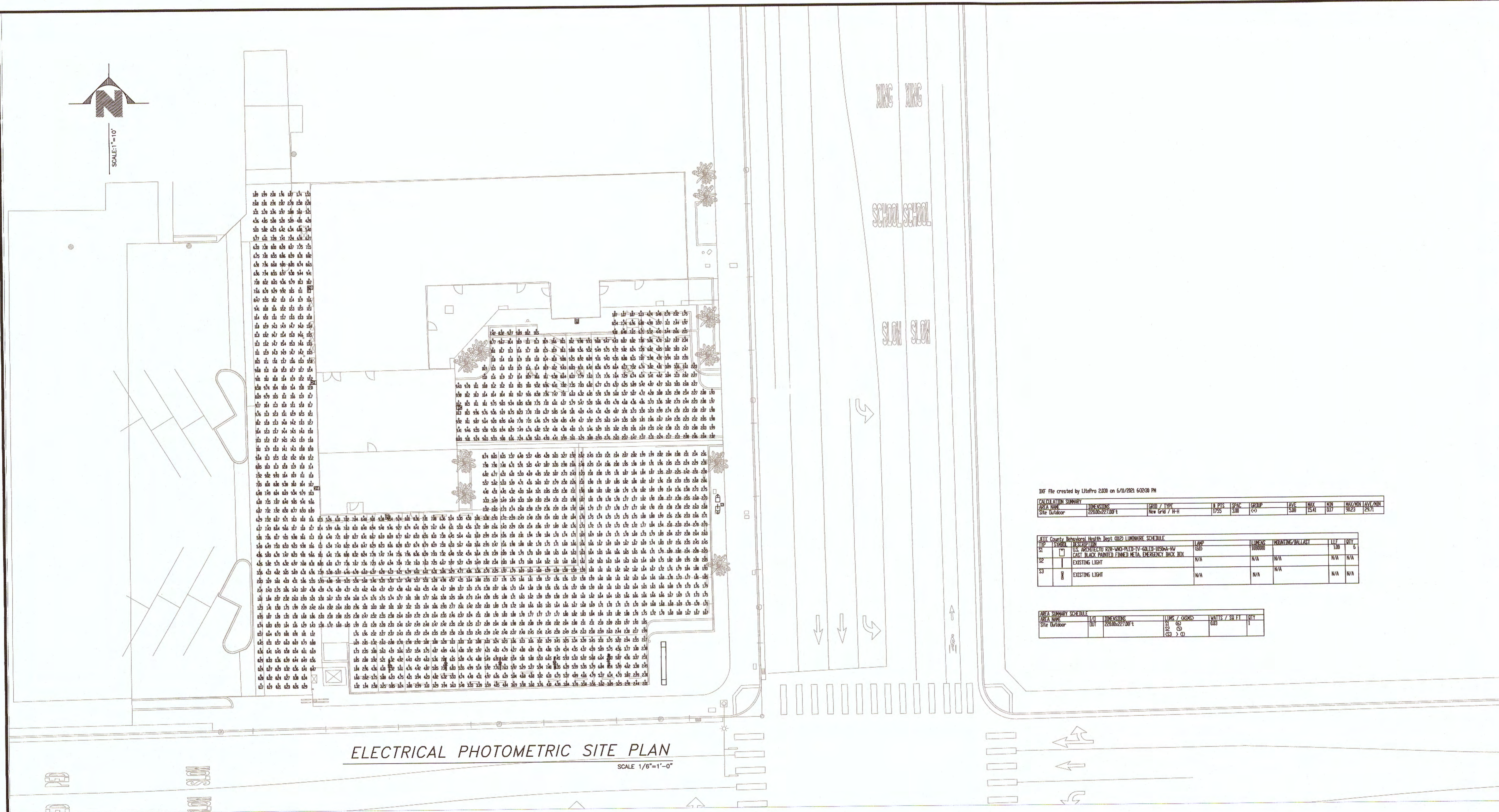
PROVIDE NECESSARY LABOR, TOOLS, EQUIPMENT, AS VOLTMETER, AMMETER, AND CHECK ENTIRE ELECTRICAL SYSTEM IN THE PRESENCE OF THE OWNER REPRESENTATIVE. ALL TESTING SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION.

SEE OWNERS OUTLINE SPECIFICATIONS FOR ADDITIONAL ELECTRICAL REQUIREMENTS AND STANDARDS OF QUALITY.



JOSE ELIZARRARAS, P.E.
PRINCIPAL ELECTRICAL ENGINEER
 4885 W. 20th Place, Yuma, AZ 85364
 Cell. (928) 941-4092
 Email. joseec74@yahoo.com

SHEET	1	OF	2	SHEETS	JOB NO.
Behavioral Health Building			ELECTRICAL LIGHTING SITE PLAN		
PARKING RENOVATION LOT SE AND ALLEY 202 N. EIGHTH STREET, EL CENTRO, CA 92243			CLIENT: COUNTY OF IMPERIAL, CA		
DRAWN BY: AD			JOB NO. C2-1008-00		
LC ENGINEERING CONSULTANTS INC. <small>CIVIL ENGINEERING • LAND SURVEYING • CONSTRUCTION MANAGEMENT SERVICES</small> 1065 State Street El Centro CA 92243 info@lceinc.com Tel: 760.333.8100 Fax: 760.337.4468		DATE: 05/12/21 BENCHMARK: NW CORNER BUILDING COURTHOUSE			
SCALE					
BY	DATE				
NO.					
REVISIONS					



ELECTRICAL PHOTOMETRIC SITE PLAN
SCALE 1/8"=1'-0"

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AREA NAME	DIMENSIONS	GRID / TYPE	F.F.S	SPAC	GROUP	FAIR	INFL	MIN	MAX	AVERAGE
Site Outdoor	220x1027'00"	New Grid / 1'-0"	1752	30"	01	530	1541	017	3023	2571

ITEM	SYMBOL	DESCRIPTION	LAMP	LUMENS	HANGING/BALLAST	FEET	FOOT C
S1	□	U.S. PATENTED zinc-coated steel emergency box	N/A	N/A	N/A	N/A	N/A
S2	□	EXISTING LIGHT	N/A	N/A	N/A	N/A	N/A
S3	□	EXISTING LIGHT	N/A	N/A	N/A	N/A	N/A

AREA NAME	GRID	DIMENSIONS	LUMS / CASINO	WATTS / SQ FT	FOY
Site Outdoor	01	220x1027'00"	30	0.03	1

Behavioral Health Building
PARKING, RENOVATION LOT 5F AND ALLEY
822 N. EIGHTH STREET, EL CENTRO, CA 92243
ELECTRICAL PHOTOMETRIC SITE PLAN

J.C. ENGINEERING CONSULTANTS INC.
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951-352-3377
DATE: 05/12/21
BENCHMARK: NW CORNER BUILDING COURTHOUSE



NO.	REVISIONS	DATE

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