

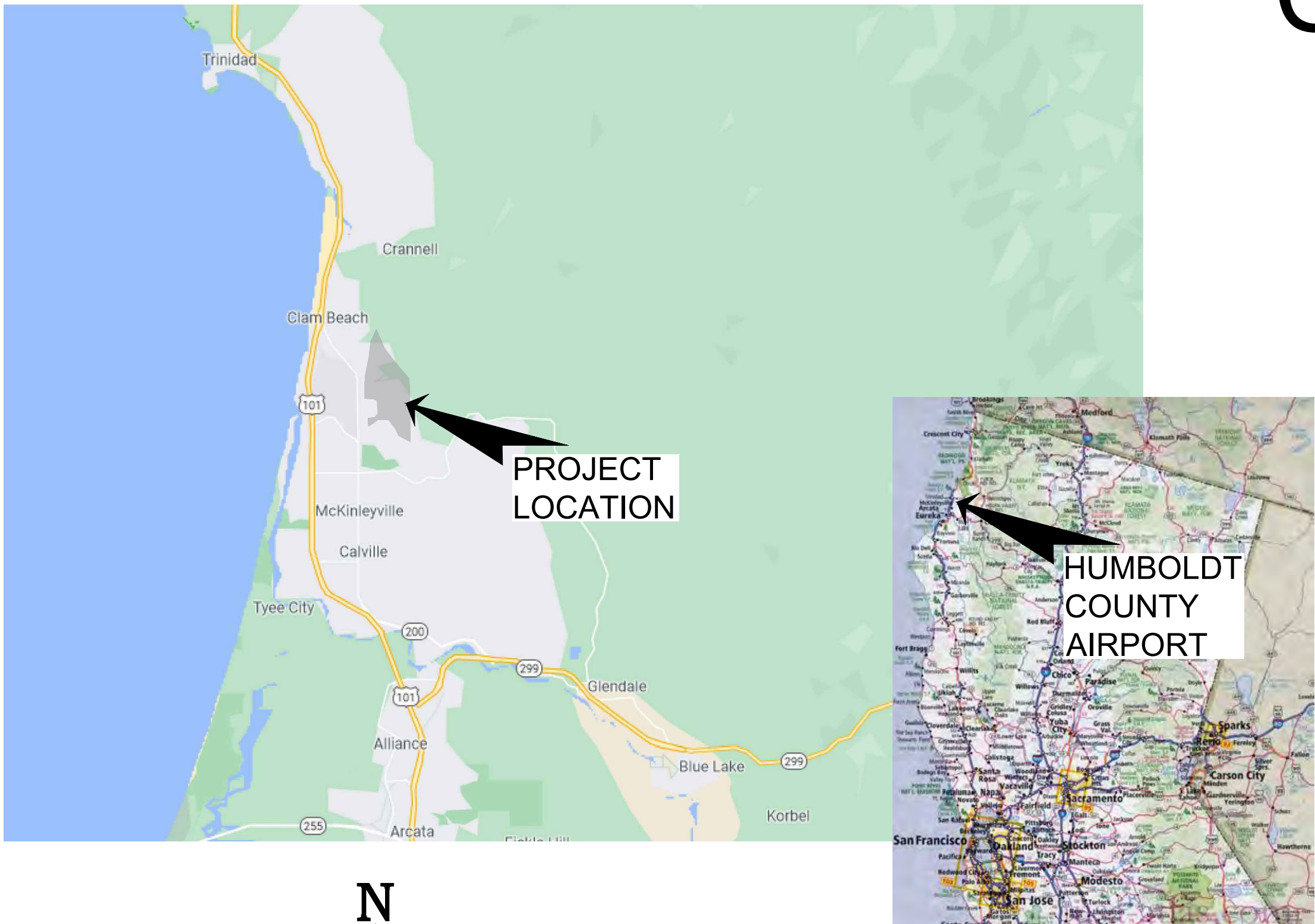
CALIFORNIA REDWOOD COAST- HUMBOLDT COUNTY AIRPORT

McKINLEYVILLE, CA

CONSTRUCTION DRAWINGS

ACI No. 226826

PREPARED BY:
ARMSTRONG CONSULTANTS, INC.
MAY 2023

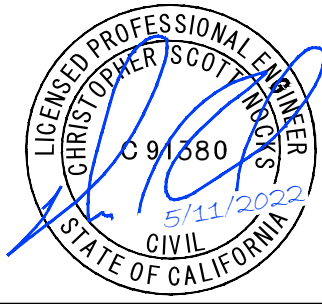


DESIGNED BY: 

05/11/23

DATE

REGISTERED PROFESSIONAL ENGINEER
REVIEWED BY AND PREPARED UNDER MY DIRECT SUPERVISION
DATE

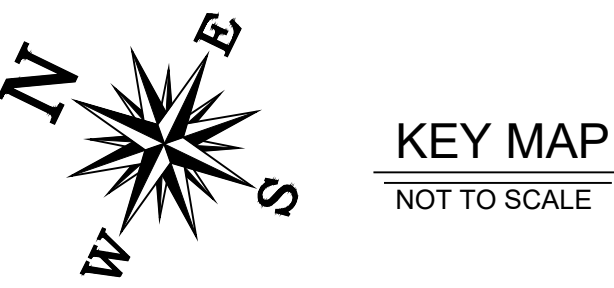
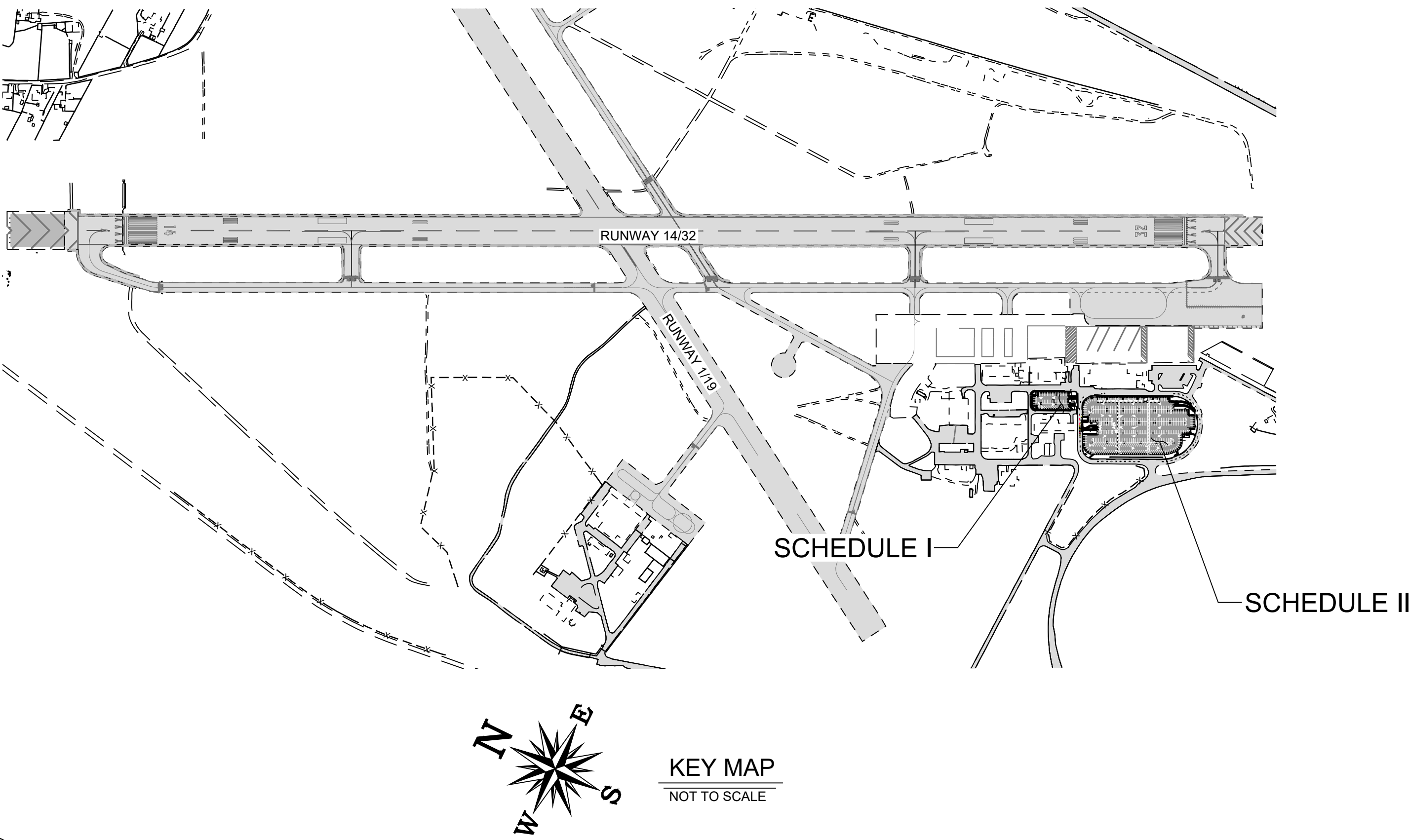


INDEX TO SHEETS

COVER SHEET	1.1
LEGEND & SURVEY CONTROL	1.2
GENERAL NOTES	1.3
SUMMARY OF QUANTITIES	1.4
DEMOLITION PLAN	2.1 - 2.2
GEOMETRIC LAYOUT	3.1 - 3.5
PAVING AND GRADING PLAN	4.1 - 4.4
DETAILS	5.1 - 5.2
ENERGY DISSIPATION OUTFALL	5.3
RETAINING WALL DETAIL	5.4
MARKING PLANS	6.1 - 6.2
SIGNAGE PLANS	6.3 - 6.5
MARKING AND SIGNAGE DETAILS	7.1 - 7.6
CONSTRUCTION PHASING PLAN	8.1 - 8.3
FENCE LAYOUT AND DETAILS	9.1- 9.4
ROPE PARTITION DETAIL	9.5
PG&E BOLLARD DETAILS	9.6
ELECTRICAL PLANS	E-00 - E-17

SCHEDULE I
REHABILITATE PARKING
NORTH PARKING LOT

SCHEDULE II
REHABILITATE PARKING
SOUTH PARKING LOT

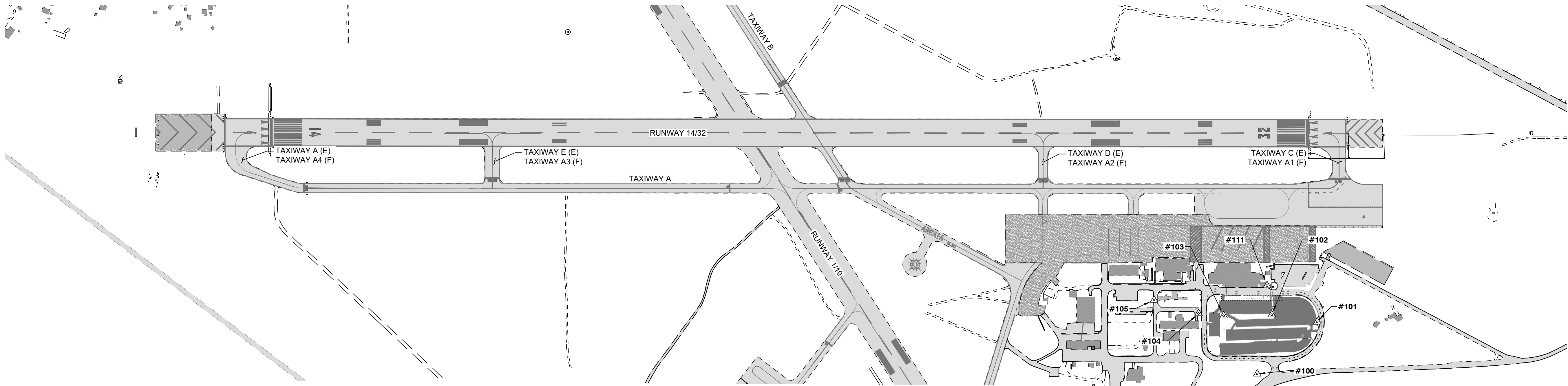


SHEET 1.1

226826101



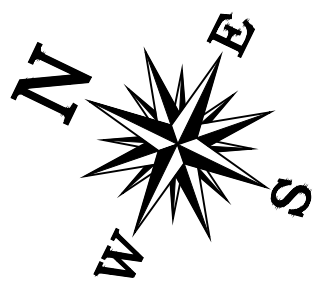
S:\California\Arcata\Project Files\Active Projects\226826 ARCAT - CONSTRUCT PARKING LOT\CAD\dwg\226826101.dwg 5/11/2023 10:17:55 AM MMONROE



LEGEND

	EXISTING SPOT ELEVATION		PROPOSED FINISHED GRADE ELEVATION
	EXISTING GROUND CONTOUR (5' INTERVAL)		PROPOSED GROUND CONTOUR (1' INTERVAL)
	EXISTING RUNWAY EDGE LIGHT		PROPOSED RUNWAY EDGE LIGHT
	EXISTING TAXIWAY EDGE LIGHT		PROPOSED TAXIWAY EDGE LIGHT
	EXISTING RETROREFLECTIVE MARKER		PROPOSED RETROREFLECTIVE MARKER
	EXISTING SPLICE BASE / PULL BOX		PROPOSED SPLICE BASE / PULL BOX
	EXISTING AIRFIELD SIGN		PROPOSED AIRFIELD SIGN
	EXISTING BEACON		PROPOSED BEACON AND TOWER
	EXISTING WIND CONE		PROPOSED LIGHTED WIND CONE
	EXISTING SEGMENTED CIRCLE		PROPOSED SUPPLEMENTAL WIND CONE
	EXISTING PAPI / VASI		PROPOSED SEGMENTED CIRCLE
	EXISTING REIL		PROPOSED PAPI
	EXISTING AWOS/ASOS/UNICOM		PROPOSED REIL
	EXISTING TIEDOWN ANCHOR		PROPOSED AWOS
	EXISTING UTILITY POLE		PROPOSED TIEDOWN ANCHOR
	EXISTING AREA LIGHT		PROPOSED UTILITY POLE
	EXISTING GUY		PROPOSED AREA LIGHT (S)
	EXISTING PAD MOUNTED TRANSFORMER		PROPOSED ELECTRIC TRANSFORMER
	EXISTING UTILITY PEDESTAL		PROPOSED MANHOLE
	EXISTING UTILITY METER		PROPOSED SANITARY SEWER CLEAN-OUT
	EXISTING MANHOLE / CLEAN-OUT		PROPOSED STORM DRAIN INLET
	EXISTING AREA INLET / CATCH BASIN		PROPOSED FIRE HYDRANT
	EXISTING FIRE HYDRANT		PROPOSED WATER VALVE
	EXISTING WATER VALVE		PROPOSED SURVEY MONUMENT
	EXISTING TREE		PROPOSED AIRFIELD POWER CABLE(S)
	EXISTING ROAD SIGN(S)		PROPOSED COUNTERPOISE CABLE
	EXISTING SECTION CORNER		PROPOSED CONCRETE ENCASED DUCT BANK
	EXISTING SURVEY CONTROL MONUMENT		PROPOSED CULVERT w/END SECTIONS
	EXISTING PROPERTY CORNER PIN/CAP		PROPOSED SWALE DIRECTION
	EXISTING AIRFIELD POWER CABLE(S)		PROPOSED BARBED WIRE FENCE
	EXISTING CONCRETE DUCT BANK		PROPOSED CHAIN LINK FENCE
	EXISTING CULVERT		PROPOSED WILDLIFE FENCE
	EXISTING SWALE DIRECTION		PROPOSED SANITARY SEWER LINE
	EXISTING BARB WIRE FENCE		PROPOSED STORM DRAIN LINE
	EXISTING CHAIN LINK FENCE		PROPOSED WATERLINE
	EXISTING WILDLIFE FENCE		PROPOSED GAS LINE
	EXISTING SANITARY SEWER LINE		PROPOSED UNDERGROUND POWER/TELE. LINE
	EXISTING STORM DRAIN LINE		PROPOSED PERFORATED UNDERDRAIN w/ CLEAN-OUT
	EXISTING WATER LINE		PROPOSED NON-PERFORATED UNDERDRAIN
	EXISTING GAS LINE		PROPOSED SEDIMENT LOG
	EXISTING UNDERGROUND POWER OR TELE. LINE		PROPOSED SILT FENCE
	EXISTING OVERHEAD POWER CABLE		PROPOSED CONCRETE PAVEMENT
	EXISTING UNDERGROUND COMMUNICATION LINE		PROPOSED ASPHALT PAVEMENT
	EXISTING FIBER OPTIC CABLE		PROPOSED ASPHALT/CONCRETE REMOVAL
	EXISTING UNDERDRAIN w/ CLEAN-OUT		PROPOSED GRAVEL
	EXISTING CONCRETE PAVEMENT		PROPOSED ROCK RIPRAP
	EXISTING ASPHALT PAVEMENT		PROPOSED BUILDING
	EXISTING GRAVEL		PROPOSED SEEDING AREA
	EXISTING BUILDING		PROPOSED GRADING AREA
	EXISTING WETLANDS		

NOTE: LEGEND APPLIES TO ALL SHEETS IN THIS PLAN SET, IS GENERIC, AND NOT ALL SYMBOLS MAY BE IN PLAN SHEETS.



AIRPORT LAYOUT & SURVEY CONTROL



CONTROL POINTS			
POINT #	GROUND ELEVATION	LATITUDE	LONGITUDE
100	185'	N006°09'15.67"	E016°24'07.28"
101	198'	N006°09'14.00"	E016°24'11.17"
102	207'	N006°09'16.35"	E016°24'10.45"
103	206'	N006°09'18.63"	E016°24'09.29"
104	202'	N006°09'19.89"	E016°24'08.81"
105	204'	N006°09'22.33"	E016°24'08.42"
111	213'	N006°09'17.25"	E016°24'11.74"

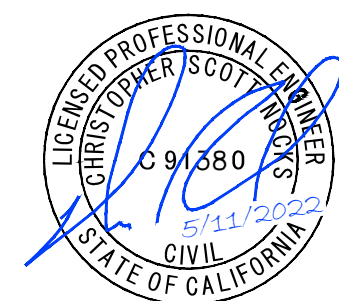
NOTES TO SURVEYOR:

- THE PROJECT CONTROL IS A MODIFIED STATE PLANE COORDINATE SYSTEM.
- ALL DISTANCE UNITS ARE IN FEET AT GROUND.
- A BASE LINE WITH STATIONS AND OFFSETS HAS BEEN SET AT THE RUNWAY CENTERLINE FOR PROJECT CONTROL. ALL INFORMATION FOR THIS PROJECT WILL BE BASED ON THIS BASE LINE.
- BEFORE ANY CONSTRUCTION OPERATIONS BEGIN, CONSTRUCTION SURVEYOR TO RUN A TRAVERSE, LEVEL LOOP, AND VERIFY CONTROL. ANY DISCREPANCIES SHALL BE RESOLVED WITH PROJECT ENGINEER.
- FOR QUALITY CONTROL AND VERIFICATION PURPOSES, ANY WRITTEN SURVEY INFORMATION SUPPLIED TO ACI SHALL BE IN STATION, OFFSET, ELEVATION FORMAT.



CAUTION - NOTICE TO CONTRACTOR

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS IN THE FIELD. THE INFORMATION IS PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR AND IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL CALIFORNIA (1-800-624-2444) AT LEAST 48 HOURS BEFORE ANY EXCAVATION / EMBANKMENT TO REQUEST FIELD LOCATION OF UTILITIES.



CALIFORNIA REDWOOD COAST
HUMBOLDT COUNTY AIRPORT
MCKINLEYVILLE, CA
PARKING LOT REHAB. PHASE 1

No.	Revision	Date	By

ACI No. 226826
Date: 05/2023
File Name: 226826101

Drawn: CES/MLM
Checked: CES
Approved: CSN

LEGEND & SURVEY CONTROL

Sheet: 1.2

S:_California\Arcata\Project Files\Active Projects\ARCATA - CONSTRUCT PARKING LOT\CAD\dwg\226826101.dwg 5/11/2023 10:17:55 AM MMONROE

GENERAL NOTES

1. ESTIMATED QUANTITIES ARE CONSIDERED APPROXIMATE ONLY EXCEPT WHERE PLAN QUANTITIES ARE SPECIFIED FOR PAYMENT. ACTUAL QUANTITIES SHALL BE DETERMINED BY FIELD MEASUREMENT OR SPECIFICATIONS.
2. THE CONTRACTOR SHALL PROVIDE MATERIAL SUBMITTALS FOR THE ENGINEER'S APPROVAL PRIOR TO ORDERING.
3. THE CONTRACTOR IS REQUIRED TO OBTAIN ALL NECESSARY CONSTRUCTION PERMITS AS NECESSARY FOR THE PROJECT.
4. THE CONTRACTOR SHALL BE REQUIRED TO SUBMIT A WORK SCHEDULE AND PROPOSED CONSTRUCTION METHODS AT THE PRE-CONSTRUCTION CONFERENCE.
5. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM AIRPORT MANAGEMENT AND THE ENGINEER PRIOR TO ESTABLISHING CONSTRUCTION ACCESS OR HAUL ROADS. EXISTING PAVEMENT SURFACES SHALL BE USED TO THE MAXIMUM EXTENT POSSIBLE.
6. THE CONTRACTOR SHALL MINIMIZE DISTURBANCE INCLUDING RUTS PRODUCED BY VEHICLES AND EQUIPMENT IN NON-PAVEMENT AREAS WITHIN ALL CONSTRUCTION AREAS. ALL DISTURBED AREAS IN THESE LOCATIONS SHALL BE RECLAIMED AT NO ADDITIONAL COST TO THE SPONSOR. DAMAGE CAUSED TO EXISTING PAVEMENTS, CABLE CIRCUITS OR FACILITIES DURING CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE SPONSOR.
7. CONTRACTOR SHALL COORDINATE ALL ON-SITE WASTE MATERIAL DISPOSAL WITH ENGINEER AND AIRPORT.
8. CONTRACTORS TO VERIFY ALL EXISTING CONDITIONS AND ALL DIMENSIONS IN FIELD PRIOR TO START OF CONSTRUCTION AND PROTECT AND MAINTAIN ALL EXISTING CONSTRUCTION AND ITS CONTENTS IN FULL. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION.
9. CONTRACTORS ARE RESPONSIBLE FOR DAMAGES THEY CAUSE TO EXISTING STRUCTURES, ROADS, AND UTILITIES DURING CONSTRUCTION.
10. A SET OF WORKING DRAWINGS WILL BE KEPT AT ALL TIMES AT THE JOB SITE ON WHICH ALL CHANGES OR VARIATIONS IN THE WORK, INCLUDING ALL EXISTING UTILITIES, ARE TO BE RECORDED AND SUBMITTED TO THE ENGINEER WHEN THE WORK IS COMPLETED.
11. CONTRACTORS SHALL PROVIDE AND MAINTAIN SUFFICIENT TEMPORARY BARRIERS TO PROVIDE FOR THE SAFETY OF THE STAFF WORKERS AND PUBLIC AND PROVIDE SIGNAGE TO REDIRECT FOOT TRAFFIC WHERE REQUIRED.
12. CONTRACTORS SHALL NOTIFY CODY ROGGAZT OF THE REDWOOD COAST AIRPORT AND DAVID CARTER OF SERC AT LEAST 72 HOURS IN ADVANCE OF COMMENCEMENT OF ANY PART OF THE WORK.
13. CONTRACTOR SHALL COORDINATE CONSTRUCTION SCHEDULE WITH CODY ROGGAZT OF THE REDWOOD COAST AIRPORT TO MINIMIZE IMPACT TO STAFF AND CUSTOMERS.
14. ALL UTILITIES SHOWN (IF ANY) WERE TAKEN FROM ABOVE GROUND VISUAL STRUCTURES. NO UTILITY RESEARCH WAS CONDUCTED FOR THIS SITE. NOTIFY UNDERGROUND SERVICES ALERT PRIOR TO ANY GRADING OR EXCAVATION WITHIN THE SITE 1-800-227-2600
15. THIS PROJECT IS NET FILL (_____CY CUT, _____CY FILL). IMPORTED BORROW MATERIAL WILL BE REQUIRED AND BE PAID BY THE CY . QUANTITIES AND ARE CALCULATED BY SURFACE COMPARISON AND DOES NOT TAKE SHRINK OR SWELL INTO ACCOUNT.
16. UNSUITABLE EXCAVATED MATERIAL NOT MEETING REQUIREMENTS FOR REUSE IN THE PROJECT SHALL BE REMOVED FROM SITE AND DISPOSED OF IN A MANNER CONSISTENT WITH ALL APPLICABLE REGULATIONS. CONTRACTOR IS RESPONSIBLE FOR PROPER DISPOSAL OF UNSUITABLE MATERIALS TAKEN FROM SITE.
17. TECHNICAL SPECIFICATIONS: UNLESS OTHERWISE NOTED ON THE CONSTRUCTION PLANS , ALL CONSTRUCTION SHALL CONFORM TO THE CALTRANS STANDARD SPECIFICATIONS, 2022 EDITION.
18. METHOD OF MEASUREMENT AND BASIS OF PAVEMENT: CONSTRUCTION ITEMS AND QUANTITIES LISTED IN THE PROPOSAL WILL BE CONSIDERED THE METHOD OF MEASUREMENT. ALL OTHER ITEMS OF WORK SHALL BE CONSIDERED INCIDENTAL TO THE ITEMS LISTED IN THE PROPOSAL. NO COST EXCAVATION PROVISIONS (IF ANY) LISTED IN THE STANDARD SPECIFICATIONS WILL BE ALLOWED FOR THIS PROJECT. THE MAXIMUM PAVEMENT SHALL BE 100% OF THE AS-BID COST UNLESS REDUCED AS DESCRIBED BY THE SPECIFICATION. QUANTITIES (IE. ASPHALT TONNAGE) MAY BE GREATER THAN WHAT IS INSTALLED DURING CONSTRUCTION. ONLY THE QUANTITY AMOUNT INSTALLED AS AGREED TO BY THE CONTRACTOR AND ENGINEER SHALL BE SUBMITTED FOR PAYMENT.
19. FOR HMA PAVEMENT. IF A THIRD PARTY TESTER IS REQUIRED BY THE CONTRACTOR FOR REFEREE, PAYMENT FOR THE TESTER SHALL BE AT THE CONTRACTOR'S EXPENSE AND SHALL NOT BE PAID BY THE SPONSOR, REGARDLESS OF DISPUTE OUTCOME.
20. FOR HMA BINDER. THE COST OF BINDER SHALL BE CONSIDERED INCIDENTAL TO HMA COST AND WILL NOT BE PAID FOR SEPARATELY. NO COMPENSATION SHALL BE ALLOWED FOR CHANGES IN MATERIAL COST BETWEEN BID AND CONSTRUCTION.

TRAFFIC CONTROL NOTES

1. TEMPORARY LANE CLOSURE TRAFFIC CONTROL TO BE CONSISTENT WITH LANE CLOSURE FOR LOW VOLUME, THREE-LANE ROADS PER CALTRAN MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES ISSUES BY THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION - CURRENT EDITION. AT LEAST TWO LANES OF TRAFFIC SHALL REMAIN OPEN AT ALL TIMES DURING CONSTRUCTION.

ELECTRICAL NOTES

1. ALL EQUIPMENT SHALL BE LISTED BY A NATIONALLY RECOGNIZED TESTING AGENCY FOR THE APPLICATION AND CONDITIONS OF USE.
2. DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED. ALL DIMENSIONS SHALL BE VERIFIED. SITE CONDITIONS SHALL PREVAIL.
3. SUBCONTRACTORS SHALL PROVIDE ALL MATERIALS NECESSARY TO PROVIDE A COMPLETE INSTALLATION.
4. ANY DEVIATION FROM THE PLANS INCLUDING EQUIPMENT SUBSTITUTIONS SHALL BE APPROVED IN WRITING BY THE EOR.
5. ALL WIRING METHODS AND INSTALLATION PRACTICES SHALL CONFORM TO THE MOST RECENT REVISION OF THE NATIONAL, STATE, AND LOCAL LAWS, ORDINANCES, REGULATIONS, INDUSTRY STANDARDS, AND MANUFACTURER RECOMMENDATIONS IN PLACE AT THE TIME OF CONSTRUCTION INCLUDING, BUT NOT LIMITED TO CEC, CHAPTER 3 AND ARTICLE 690 PART IV, NEIS, AND UL.
6. CONDUIT SUBJECT TO PHYSICAL DAMAGE SHALL BE SCHED 80 PVC OR EMT WHEN SUBJECT TO DIRECT SUNLIGHT.
7. WIRE SHALL BE APPROPRIATELY PROTECTED FROM PHYSICAL DAMAGE AND SHALL BE MANAGED IN A NEAT, WORKMANLIKE MANNER USING INDUSTRY STANDARD WIRE CLIPS.
8. OUTDOOR ENCLOSURES SHALL BE NEMA 3R MINIMUM, STAINLESS STEEL OR POLYCARBONATE SUITABLE FOR NEAR OCEAN ENVIRONMENTS. OUTDOOR RACEWAYS AND FITTINGS SHALL BE RAINLIGHT. ANY PENETRATIONS SHALL MAINTAIN THESE NEMA RATINGS.
9. OUTDOOR OR UNDERGROUND CONDUIT SHALL BE RUN WITH WATERTIGHT FITTINGS AND CONNECTIONS AND SHALL BE CONSIDERED WET. THEREFORE, CONDENSATION MUST BE CONSIDERED AND MITIGATION OF EQUIPMENT DAMAGE AS A RESULT ARE THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR ESPECIALLY FOR ANY TOP ENTRIES.
10. BELL ENDS OR INSULATING BUSHINGS SHALL BE INSTALLED WHEREVER CONDUITS PENETRATE ENCLOSURES.
11. INSULATED GROUNDING BUSHINGS SHALL BE USED ON METAL CONDUIT TERMINATIONS FOR RACEWAY GROUNDING.
12. ALUMINUM TERMINATIONS SHALL BE MADE WITH COMPRESSION LUGS AND SHALL UTILIZE ANTIOXIDANT COMPUTE AT ALL CU-AL JUNCTIONS.
13. EQUIPMENT GROUND CONDUCTORS AND GROUNDING ELECTRODE CONDUCTORS SUBJECT TO PHYSICAL DAMAGE SHALL BE PROTECTED BY A METALLIC JACKET OR RACEWAY.
14. SPLICES SHALL BE PRE-APPROVED BY THE EOR AND SHALL BE CONTAINED IN AN ENCLOSURE.
15. COMBINED EGC/GEC CONDUCTORS SHALL REMAIN CONTINUOUS. LAY-IN LUGS MAY BE USED FOR EQUIPMENT GROUNDING. PAINT SHALL BE REMOVED AND ANTIOXIDANT COMPOUND SHALL BE USED TO ENSURE A CONTINUOUS EQUIPMENT GROUND PATH.
16. ALL MANUFACTURER RECOMMENDED TORQUES VALUES SHALL BE DETERMINED AND USED ON ALL FIELD-INSTALLED TERMINATIONS AND SHALL HAVE MARKS INDICATED AT THE TIME OF INSTALLATION.
17. ALL WORK SHALL BE PERFORMED BY ONLY QUALIFIED PERSONNEL. VERIFICATION OF QUALIFICATIONS SHALL BE MADE AVAILABLE UPON REQUEST.
18. INSULATION RESISTANCE SHALL BE MEASURED FOR ALL FIELD-INSTALLED CABLES AND REPORTS MADE AVAILABLE PRIOR TO ENERGIZATION.

STRUCTURAL NOTES

1. SEE MANUFACTURER'S INSTRUCTIONS FOR MOUNTING AND SECURING EQUIPMENT.
2. ALL FOOTINGS TO BEAR ON NATURAL UNDISTURBED SOIL OR COMPACTED STRUCTURAL FILL.
3. PLACEMENT OF ALL COMPACTED FILL AND COMPACTION OF SUBGRADE SHALL BE UNDER THE DIRECTION OF THE CIVIL ENGINEER.
4. CONCRETE SLABS AND FOOTINGS SHALL NOT BE PLACED UNTIL FILL AND SUBGRADE HAVE BEEN CHECKED BY THE CIVIL ENGINEER.
5. BOTTOMS OF ALL EXTERIOR FOOTINGS TO BE A MINIMUM OF 2'-0" BELOW FINISHED GRADE UNLESS OTHERWISE NOTED. MAXIMUM SLOPE FOR BOTTOM OF FOOTINGS (OR BETWEEN BOTTOMS OF ADJACENT FOOTINGS) IS TO BE 1 VERTICAL TO 2 HORIZONTAL.
6. MINIMUM COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS: 3000 PSI (NORMAL WEIGHT) AT SLABS ON GRADE, UON.
7. PRIOR TO PLACING CONCRETE, MIX DESIGNS SHALL BE SUBMITTED FOR REVIEW.
8. ALL BAR REINFORCING FOR CONCRETE SHALL CONFORM TO ASTM A 615 GRADE 60 (DEFORMED).

EROSION AND SEDIMENT CONTROL NOTES

1. SUFFICIENT EROSION CONTROL SUPPLIES SHALL BE AVAILABLE ON-SITE AT ALL TIMES TO DEAL WITH AREAS SUSCEPTIBLE TO EROSION DURING RAIN EVENTS.
2. THE CONTRACTOR SHALL MAKE ADEQUATE PREPARATIONS, INCLUDING TRAINING & EQUIPMENT, TO CONTAIN SPILLS OF OIL AND OTHER HAZARDOUS MATERIALS.
3. ACTIVITIES SUCH AS VEHICLE WASHING ARE TO BE CARRIED OUT AT AN OFF-SITE FACILITY WHEREIN THE WATER IS DISCHARGED INTO A SANITARY SEWER.
4. THE CONTRACTOR SHALL PROVIDE COVERED WASTE RECEPTACLES FOR COMMON SOLID WASTES AT CONVENIENT LOCATIONS ON THE JOB SITE AND PROVIDE REGULAR COLLECTION OF WASTES.
5. THE CONTRACTOR SHALL PROVIDE SANITARY FACILITIES OF SUFFICIENT NUMBER AND SIZE TO ACCOMMODATE CONSTRUCTION CREWS.
6. PROJECT IMPLEMENTATION SHALL CONFORM TO THE EROSION PREVENTION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES CONTAINED IN THE LATEST EDITIONS OF THE FOLLOWING PUBLICATION OR AN EQUIVALENT BEST MANAGEMENT PRACTICE: CALTRANS CONSTRUCTION SITE MBP MANUAL, MAY 2017.
7. PRESERVATION OF EXISTING VEGETATION SHALL OCCUR TO THE MAXIMUM EXTENT PRACTICABLE.
8. EROSION PREVENTION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED BY THE CONTRACTOR BEFORE FORECASTED STORM EVENTS AND AFTER ACTUAL STORM EVENTS TO ENSURE MEASURES ARE FUNCTIONING PROPERLY. EROSION PREVENTION AND SEDIMENT CONTROL MEASURES THAT HAVE FAILED OR ARE NO LONGER EFFECTIVE SHALL BE PROMPTLY REPLACED. EROSION PREVENTION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED UNTIL DISTURBED AREAS ARE STABILIZED.
9. CHANGES TO EROSION PREVENTION AND SEDIMENT CONTROL MEASURES MAY BE MADE TO RESPOND TO FIELD CONDITIONS.
10. PRIOR TO FINAL ACCEPTANCE ALL AREAS OF THE SITE WILL BE VEGETATED OR PERMANENTLY STABILIZED AND ALL TEMPORARY SEDIMENT CONTROL MEASURES SHALL BE REMOVED.



CAUTION - NOTICE TO CONTRACTOR

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES. AND WHERE POSSIBLE, MEASUREMENTS IN THE FIELD. THE INFORMATION IS PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR AND IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL CALIFORNIA (1-800-624-2444) AT LEAST 48 HOURS BEFORE ANY EXCAVATION / EMBANKMENT TO REQUEST FIELD LOCATION OF UTILITIES.



CALIFORNIA REDWOOD COAST
HUMBOLDT COUNTY AIRPORT
MCKINLEYVILLE, CA
PARKING LOT REHAB. PHASE 1

No.	Revision	Date	By

ACI No. 226826
Date: 05/2023
File Name: 226826101

Drawn: CES/MLM
Checked: CES
Approved: CSN

GENERAL NOTES

Sheet: 1.3



S:_California\Arcata\Project Files\Active Projects\226826 ARCAT - CONSTRUCT PARKING LOT\CAD.dwg, 226826101.dwg 5/11/2023 11:09:40 AM MMONROE

QUANTITIES

REHABILITATE NORTH PARKING LOT			
BID ITEM	DESCRIPTION	QUANTITY	UNIT
1	MOBILIZATION	1	L.S.
2	TEMPORARY TRAFFIC CONTROL	1	L.S.
3	WATER POLLUTION AND EROSION CONTROL	1	L.S.
4	REMOVAL, CLEARING AND GRUBBING	1	L.S.
5	ADJUST FRAMES AND GRADES	1	L.S.
6	UNCLASSIFIED EXCAVATION	1,620	C.Y.
7	CLASS 2 AGGREGATE BASE COURSE (6" THICK)	380	S.Y.
8	HOT MIX ASPHALT (TYPE A) (3" THICK)	370	TON
9	ASPHALT BINDER (PG64-16)	30	TON
10	TYPE 'A1-6' CURB	100	L.F.
11	TYPE 'A1-8' CURB	360	L.F.
12	TYPE 'A2-6' CURB & GUTTER	500	L.F.
13	HEADER CURB	230	L.F.
14	VALLEY GUTTER / CONCRETE FILLET	320	S.F.
15	4" WHITE PAINT WITH TYPE 1 BEADS	500	S.F.
16	24" WHITE PAINT STOP BAR WITH TYPE 1 BEADS	20	S.F.
17	WHITE PAINT LEGENDS AND SYMBOLS WITH TYPE 1 BEADS	200	S.F.
18	PARKING CURB	57	EACH
19	3' HIGH ROPE FENCE	600	L.F.
20	SIGN PANELS	59	S.F.
21	SIGN POST	10	EACH

REHABILITATE SOUTH PARKING LOT			
BID ITEM	DESCRIPTION	QUANTITY	UNIT
1	MOBILIZATION	1	L.S.
2	TEMPORARY TRAFFIC CONTROL	1	L.S.
3	WATER POLLUTION AND EROSION CONTROL	1	L.S.
4	REMOVAL, CLEARING AND GRUBBING	1	L.S.
5	ADJUST FRAMES AND GRADES	1	L.S.
6	EMBANKMENT	19,340	C.Y.
7	CLASS 2 AGGREGATE BASE COURSE (6" THICK)	3,310	C.Y.
8	HOT MIX ASPHALT (TYPE A) (3" THICK)	3,220	TON
9	ASPHALT BINDER (PG64-16)	250	TON
10	TYPE 'A1-6' CURB	240	L.F.
11	TYPE 'A2-6' CURB & GUTTER	2,210	L.F.
12	CONCRETE SIDEWALK	1,950	S.F.
13	VALLEY GUTTER / CONCRETE FILLET	830	S.F.
14	ENERGY DISSIPATION OUTFALL	1	L.S.
15	DETECTABLE WARNING STRIP	260	S.F.
16	4" WHITE PAINT WITH TYPE 1 BEADS	4,940	S.F.
17	4" BLUE PAINT WITH TYPE 1 BEADS	260	S.F.
18	24" WHITE PAINT STOP BAR WITH TYPE 1 BEADS	50	S.F.
19	WHITE PAINT LEGENDS AND SYMBOLS WITH TYPE 1 BEADS	810	S.F.
20	HANDICAP MARKING SYMBOLS	22	EACH
21	PARKING CURB	413	EACH
22	3' HIGH ROPE FENCE	360	L.F.
23	SIGN PANELS	141	S.F.
24	SIGN POST	52	EACH
25	RETAINING WALL	280	L.F.



CALIFORNIA REDWOOD COAST
HUMBOLDT COUNTY AIRPORT
MCKINLEYVILLE, CA
PARKING LOT REHAB. PHASE 1

No.	Revision	Date	By

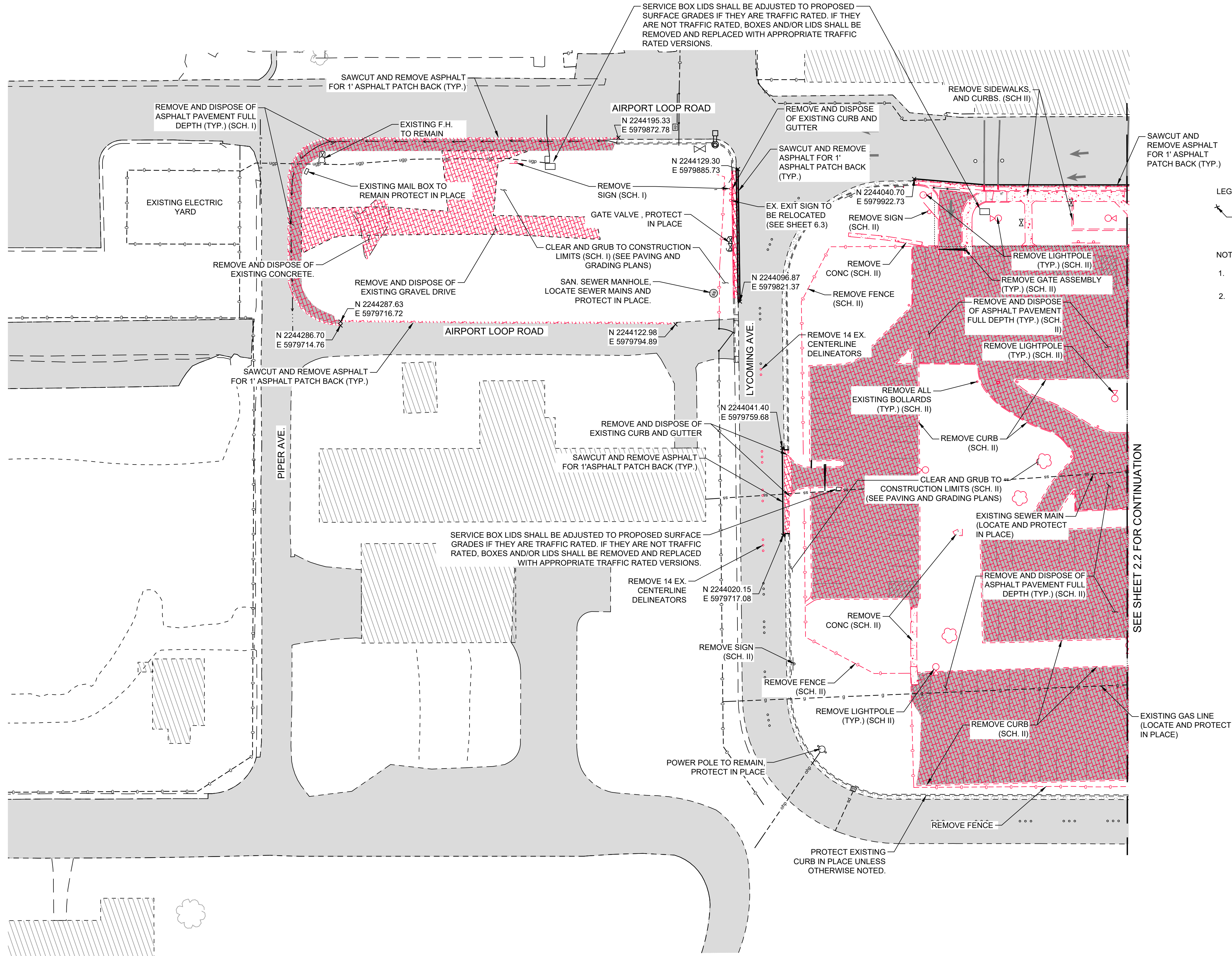
ACI No. 226826
Date: 05/2023
File Name: 226826101

Drawn: CES/MLM
Checked: CES
Approved: CSN

SUMMARY OF
QUANTITIES

Sheet: 1.4

S:\California\Arcata\Project Files\Active Projects\ARCATA - CONSTRUCT PARKING LOT\CAD\dwg\226826102.dwg 5/9/2023 11:07:21 AM MMONROE

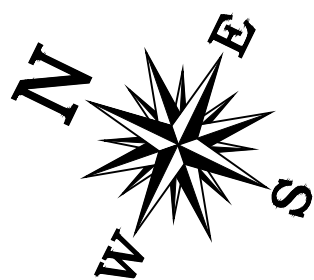


- LEGEND:
- GEOMETRIC POINT SHOWING BEGINNING AND END OF ASPHALT SAWCUT.
- NOTES:
- SEE SHEETS 8.1 - 8.3 FOR PROPOSED CONSTRUCTION PHASING.
 - SIGN PANELS SHALL BE SALVAGED AND PROVIDED TO THE OWNER.

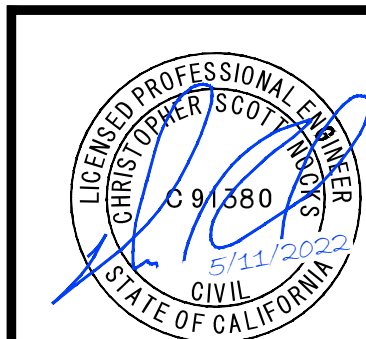
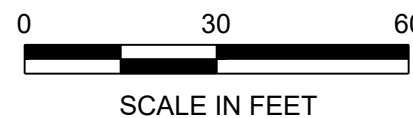
SEE SHEET 2.2 FOR CONTINUATION

CAUTION - NOTICE TO CONTRACTOR

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND WHERE POSSIBLE, MEASUREMENTS IN THE FIELD. THE INFORMATION IS PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR AND IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL CALIFORNIA 811 (1-800-624-2444) AT LEAST 48 HOURS BEFORE ANY EXCAVATION / EMBANKMENT TO REQUEST FIELD LOCATION OF UTILITIES.



SCHEDULE I AND II - DEMOLITION PLAN



CALIFORNIA REDWOOD COAST
HUMBOLDT COUNTY AIRPORT
MCKINLEYVILLE, CA
PARKING LOT REHAB. PHASE 1

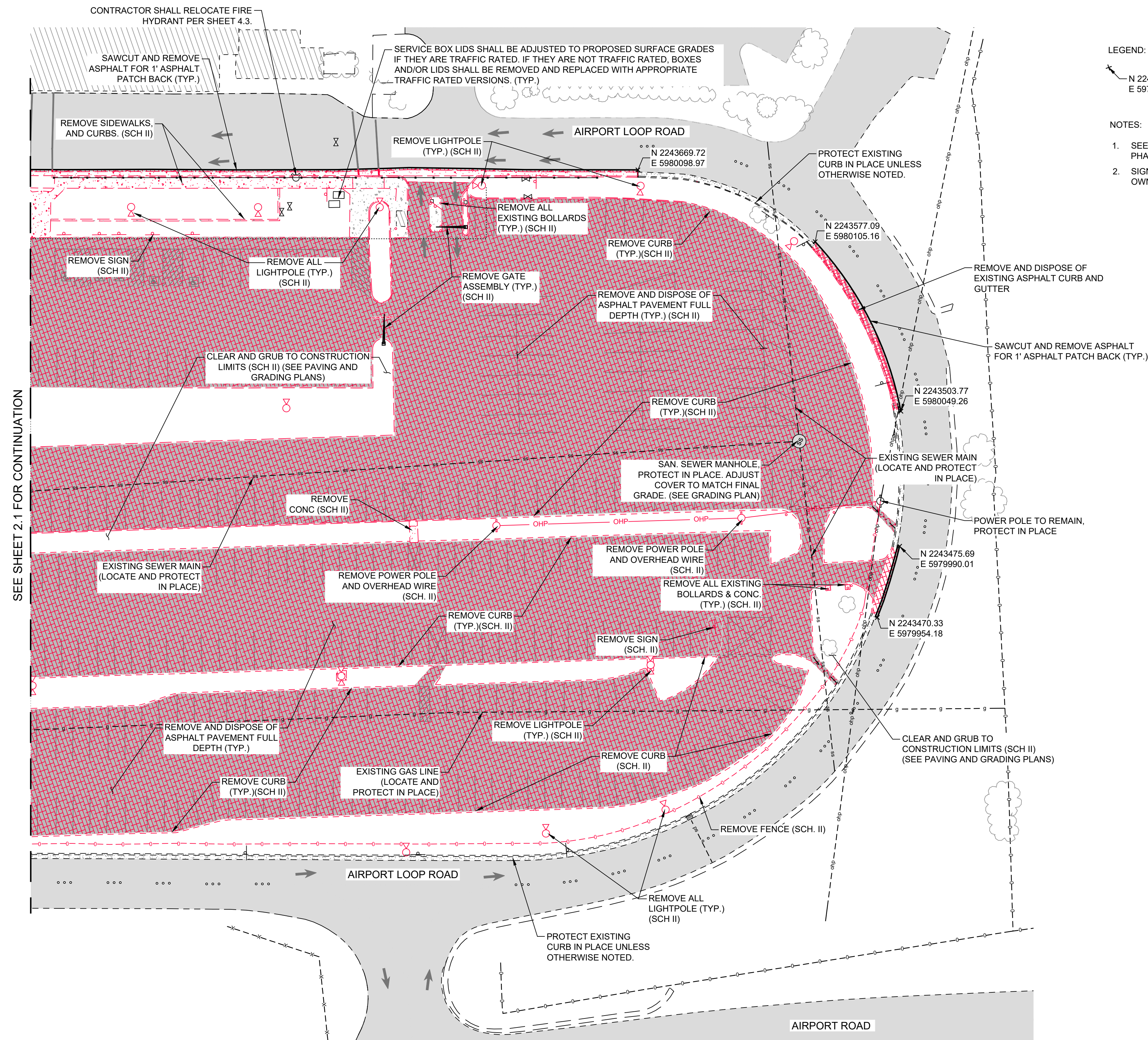
No.	Revision	Date	By

ACI No. 226826
Date: 05/2023
File Name: 226826102

Drawn: CES/MLM
Checked: CES
Approved: CSN

DEMOLITION PLAN

Sheet: 2.1



LEGEND:

N 2244127.22
E 5979763.20

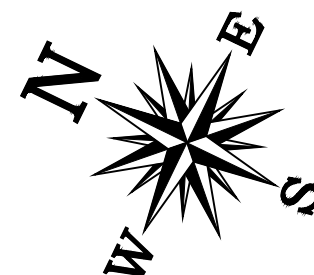
GEOMETRIC POINT SHOWING BEGINNING
AND END OF ASPHALT SAWCUT.

NOTES:

1. SEE SHEETS 8.1 - 8.3 FOR PROPOSED CONSTRUCTION PHASING.
2. SIGN PANELS SHALL BE SALVAGED AND PROVIDED TO THE OWNER.

CAUTION - NOTICE TO CONTRACTOR

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND WHERE POSSIBLE, MEASUREMENTS IN THE FIELD. THE INFORMATION IS PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR AND IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL CALIFORNIA811 (1-800-624-2444) AT LEAST 48 HOURS BEFORE ANY EXCAVATION / EMBANKMENT TO REQUEST FIELD LOCATION OF UTILITIES.



SCHEDULE II - DEMOLITION PLAN



CALIFORNIA REDWOOD COAST
HUMBOLDT COUNTY AIRPORT
MCKINLEYVILLE, CA
PARKING LOT REHAB. PHASE 1

[illegible]

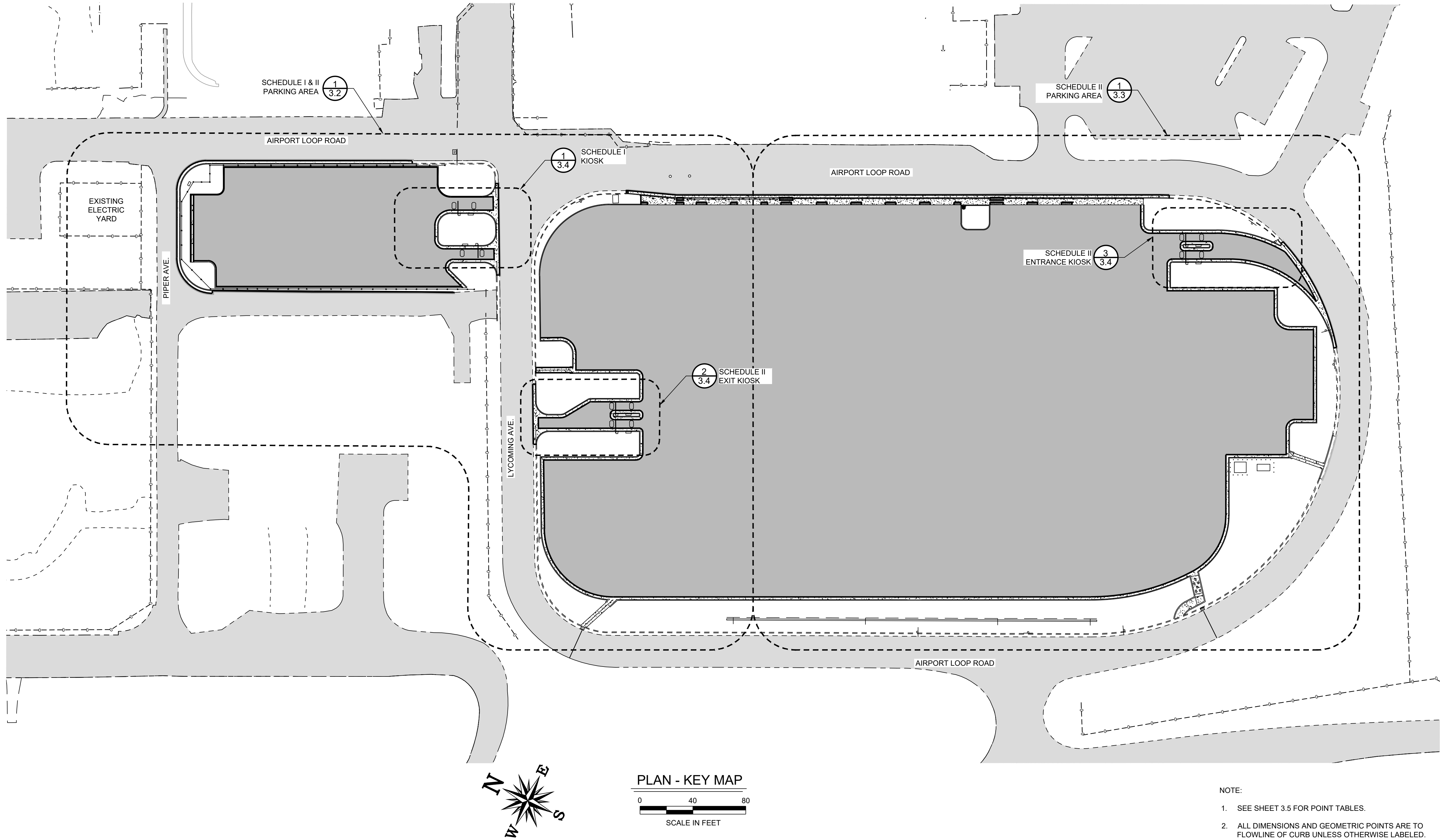
ACI No. 226826
Date: 05/2023
File Name: 226826102

Drawn: CES/MLM
Checked: CES
Approved: CSN

DEMOLITION PLAN

Sheet: 2.2

S:\California\Arcata\Project Files\Active Projects\226826 ARCAT - CONSTRUCT PARKING LOT\CAD\dwg\226826103.dwg 5/10/2023 7:26:55 AM MMONROE



CAUTION - NOTICE TO CONTRACTOR

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND WHERE POSSIBLE, MEASUREMENTS IN THE FIELD. THE INFORMATION IS PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR AND IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL CALIFORNIA 811 (1-800-624-2444) AT LEAST 48 HOURS BEFORE ANY EXCAVATION / EMBANKMENT TO REQUEST FIELD LOCATION OF UTILITIES.



- NOTE:
- SEE SHEET 3.5 FOR POINT TABLES.
 - ALL DIMENSIONS AND GEOMETRIC POINTS ARE TO FLOWLINE OF CURB UNLESS OTHERWISE LABELED.



CALIFORNIA REDWOOD COAST
HUMBOLDT COUNTY AIRPORT
MCKINLEYVILLE, CA
PARKING LOT REHAB. PHASE 1

No.	Revision	Date	By

ACI No. 226826
Date: 05/2023
File Name: 226826103

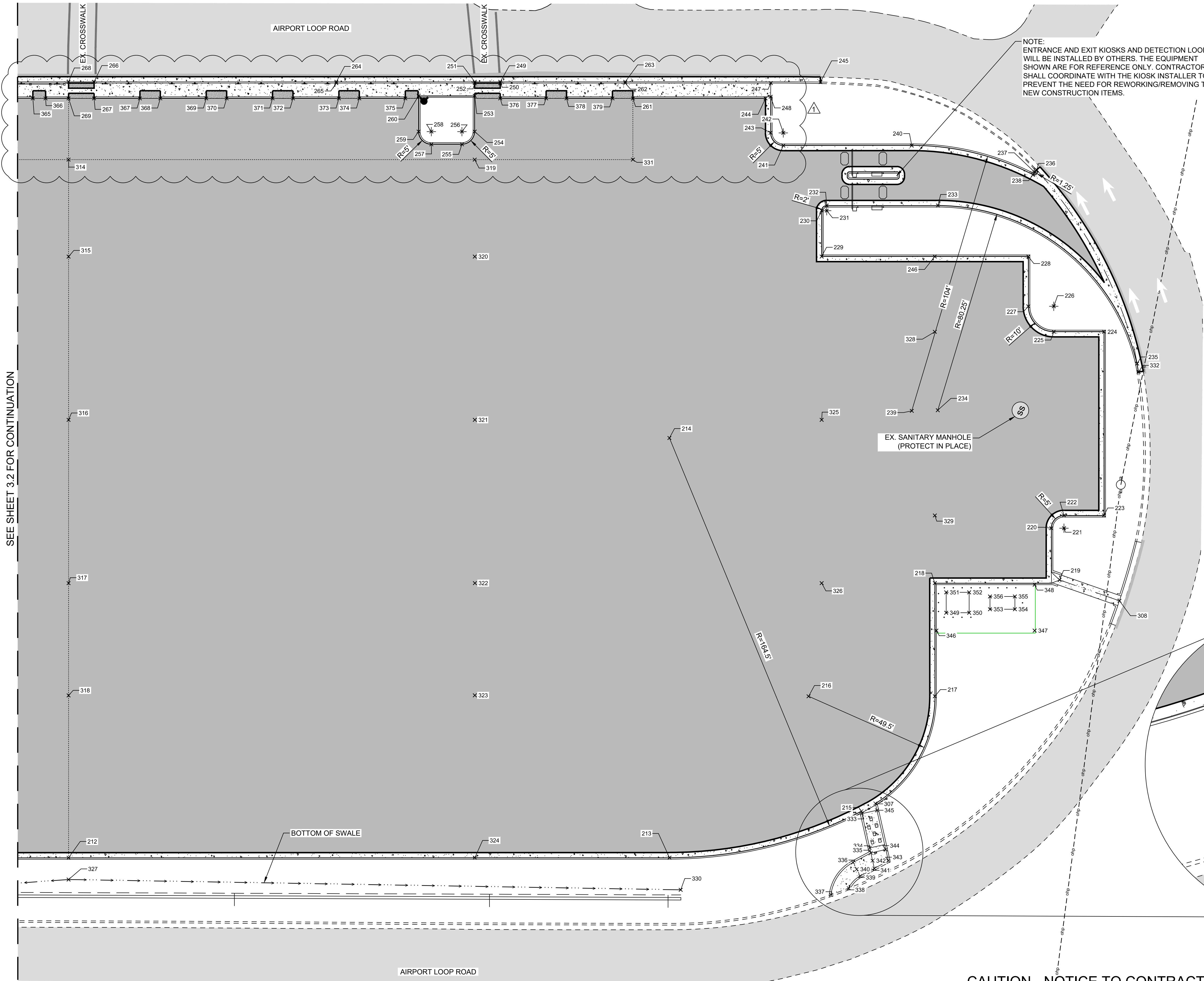
Drawn: CES/MLM
Checked: CES
Approved: CSN

GEOMETRIC
LAYOUT

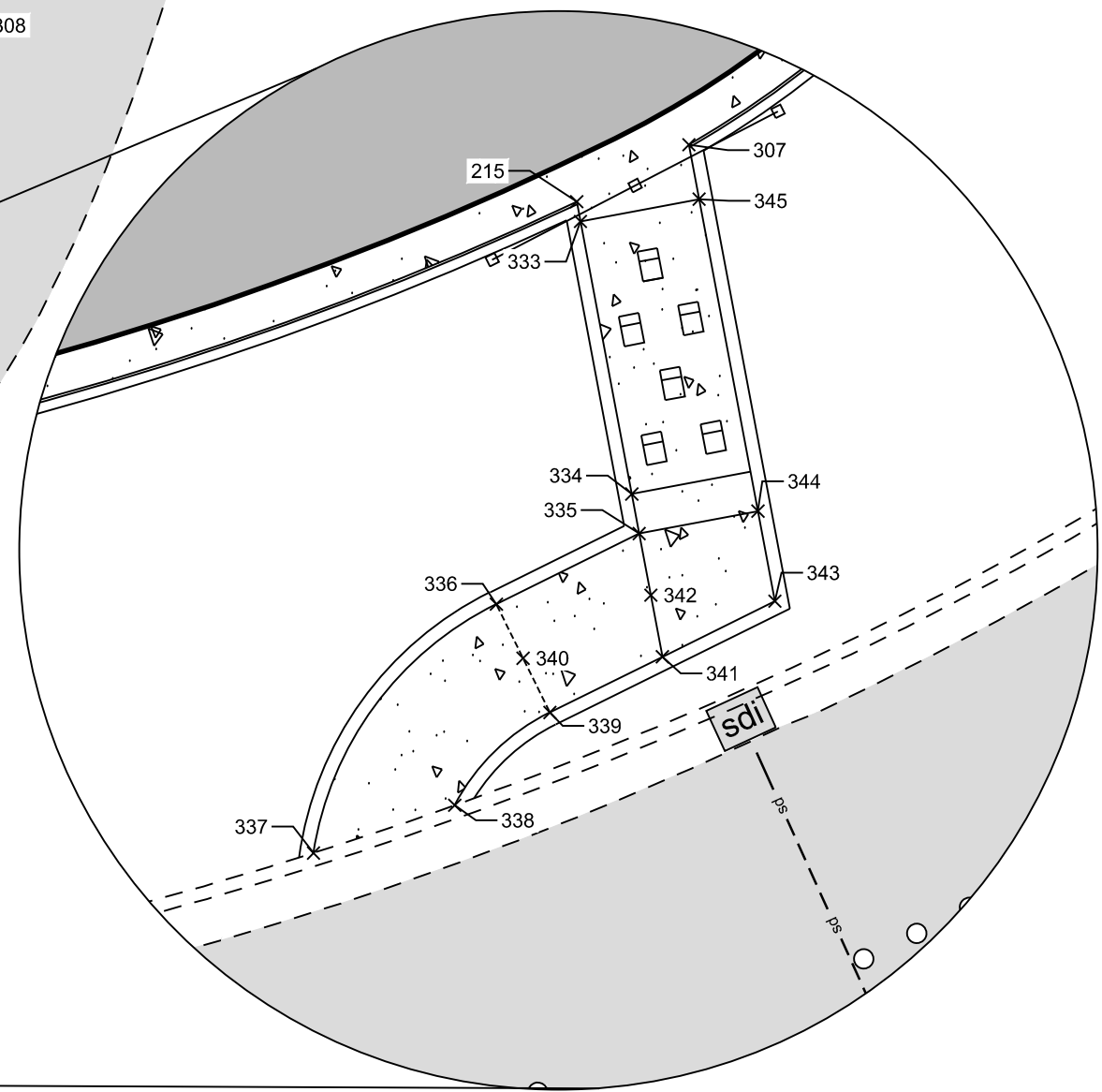
Sheet: 3.1

S:\California\Arcata\Project Files\Active Projects\226826 ARCAT - CONSTRUCT PARKING LOT\CAD\dwg\226826103.dwg 5/16/2023 3:55:42 PM CSTERN

SEE SHEET 3.2 FOR CONTINUATION



- NOTE:
1. SEE SHEET 3.5 FOR POINT TABLES.
 2. ALL DIMENSIONS AND GEOMETRIC POINTS ARE TO FLOWLINE OF CURB.
 3. UNLESS OTHERWISE LABELED.
 4. SEE KIOSK DETAIL DRAWING (SHEET 3.4) FOR DIMENSIONS
 5. SEE SHEETS 4.1 THRU 4.5 FOR GRADING AND ELEVATIONS



CAUTION - NOTICE TO CONTRACTOR

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND WHERE POSSIBLE, MEASUREMENTS IN THE FIELD. THE INFORMATION IS PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR AND IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL CALIFORNIA811 (1-800-624-2444) AT LEAST 48 HOURS BEFORE ANY EXCAVATION / EMBANKMENT TO REQUEST FIELD LOCATION OF UTILITIES.



CALIFORNIA REDWOOD COAST
HUMBOLDT COUNTY AIRPORT
MCKINLEYVILLE, CA
PARKING LOT REHAB. PHASE 1

No.	Revision	Date	By
1	ADDENDUM 1	5/16/23	C.E.S.

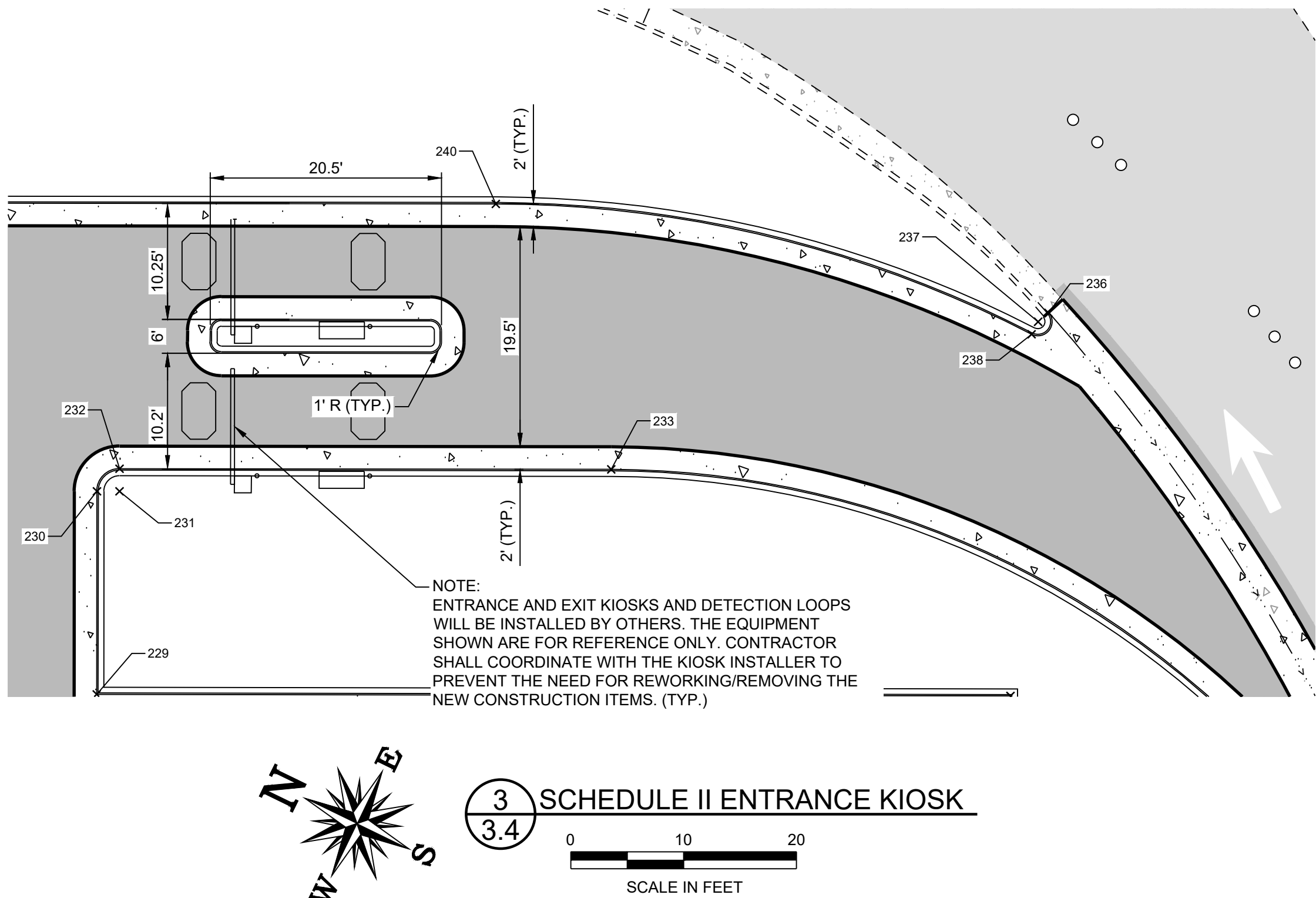
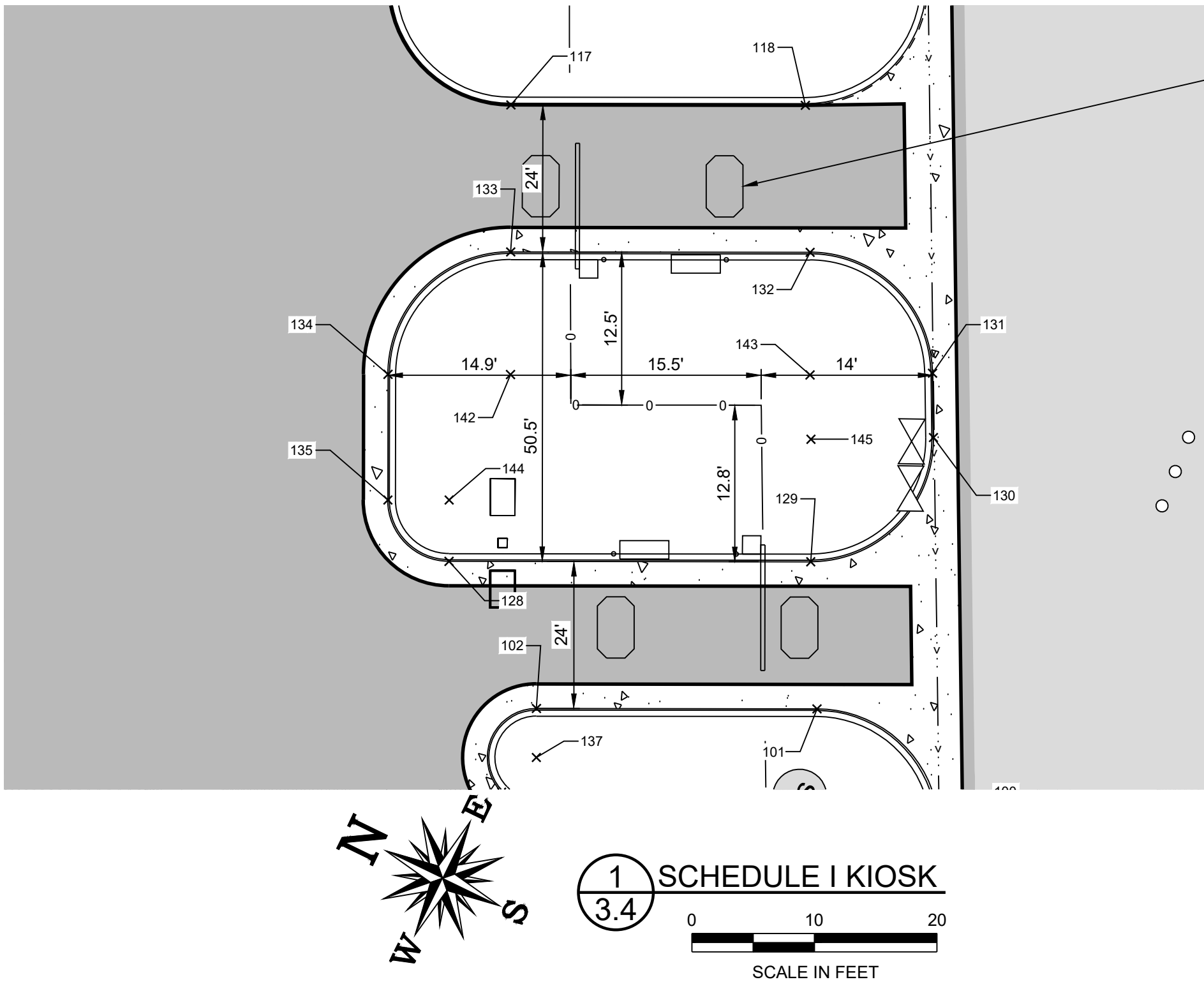
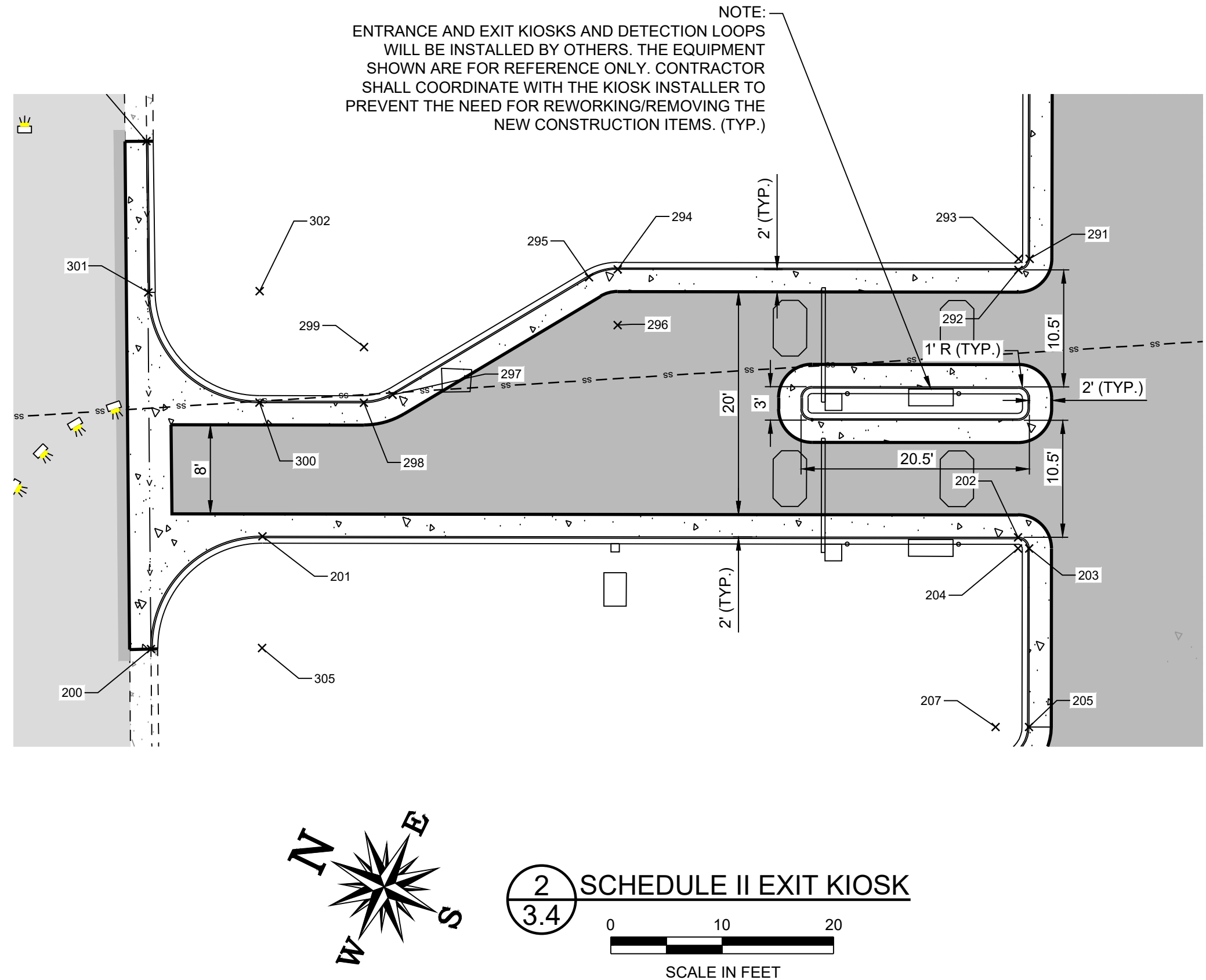
ACI No. 226826
Date: 05/2023
File Name: 226826103

Drawn: CES/MLM
Checked: CES
Approved: CSN

GEOMETRIC
LAYOUT

Sheet: 3.3

S:\California\Arcata\Project Files\Active Projects\226826 ARCAT - CONSTRUCT PARKING LOT\CAD\dwg\226826103.dwg 5/10/2023 7:26:55 AM MMONROE



CAUTION - NOTICE TO CONTRACTOR

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND WHERE POSSIBLE, MEASUREMENTS IN THE FIELD. THE INFORMATION IS PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR AND IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL CALIFORNIA 811 (1-800-624-2444) AT LEAST 48 HOURS BEFORE ANY EXCAVATION / EMBANKMENT TO REQUEST FIELD LOCATION OF UTILITIES.



No.	Revision	Date	By

ACI No. 226826
Date: 05/2023
File Name: 226826103

Drawn: CES/MLM
Checked: CES
Approved: CSN

GEOMETRIC
LAYOUT

Sheet: **3.4**

S:\California\Arcata\Project Files\Active Projects\226826_ARCATA - CONSTRUCT PARKING LOT\CAD.dwg 226826103.dwg 5/11/2023 9:25:12 AM CSTERN

NORTH PARKING AREA - SCHEDULE I

POINT DESCRIPTION, NORTHING/EASTING & ELEVATION				
PNT #	DESC	ELEV	NORTHING	EASTING
100	RP	206.24	2244100.30	5979821.71
101	G	206.00	2244113.59	5979826.19
102	G	205.10	2244134.15	5979816.18
103	G	204.55	2244133.75	5979808.80
104	G	203.58	2244116.89	5979802.96
105	G-MID PNT	203.41	2244209.26	5979758.10
106	G	202.75	2244288.19	5979719.77
107	G	203.20	2244294.50	5979732.76
108	G	203.36	2244301.18	5979735.08
109	G	203.30	2244312.88	5979729.40
110	G	205.23	2244335.18	5979775.19
111	A	205.10	2244317.17	5979784.01
112	A	205.26	2244314.85	5979790.69

POINT DESCRIPTION, NORTHING/EASTING & ELEVATION				
PNT #	DESC	ELEV	NORTHING	EASTING
113	A	205.78	2244321.77	5979804.93
114	A-MID PNT	206.81	2244249.13	5979840.21
115	A	208.04	2244176.50	5979875.49
116	A	207.46	2244171.00	5979864.17
117	A	207.10	2244157.64	5979859.54
118	A	208.00	2244136.02	5979870.04
119	A	209.20	2244131.44	5979883.52
120	G	208.81	2244194.91	5979869.79
121	G-MID PNT	207.60	2244267.12	5979834.79
122	G	206.60	2244334.74	5979801.84
123	G	205.19	2244344.29	5979774.33
124	G	202.46	2244322.12	5979728.70
125	G	201.57	2244288.89	5979717.04

POINT DESCRIPTION, NORTHING/EASTING & ELEVATION				
PNT #	DESC	ELEV	NORTHING	EASTING
126	A-MID PNT	201.79	2244207.46	5979754.41
127	A	201.79	2244124.27	5979795.30
128	G	205.50	2244145.86	5979823.85
129	G	206.40	2244119.30	5979836.75
130	G	207.65	2244114.74	5979850.25
131	G	207.87	2244117.11	5979854.94
132	G	207.65	2244130.41	5979859.43
133	G	206.75	2244152.39	5979848.75
134	G	205.98	2244157.02	5979835.38
135	G	205.60	2244152.54	5979826.16
136	G	205.83	2244109.22	5979817.19
137	RP	205.33	2244132.44	5979812.58
138	RP	203.19	2244299.00	5979730.58

POINT DESCRIPTION, NORTHING/EASTING & ELEVATION				
PNT #	DESC	ELEV	NORTHING	EASTING
139	RP	205.74	2244319.35	5979788.51
140	RP	208.26	2244162.00	5979868.54
141	RP	208.97	2244140.38	5979879.04
142	RP	206.79	2244148.02	5979839.75
143	RP	207.66	2244126.04	5979850.43
144	RP	206.18	2244148.04	5979828.35
145	RP	207.39	2244123.67	5979845.74
146	GB	205.52	2244234.03	5979809.10
147	GB	204.58	2244222.99	5979786.39
148	RP	205.68	2244325.23	5979783.17
149	RP	203.45	2244299.64	5979739.62

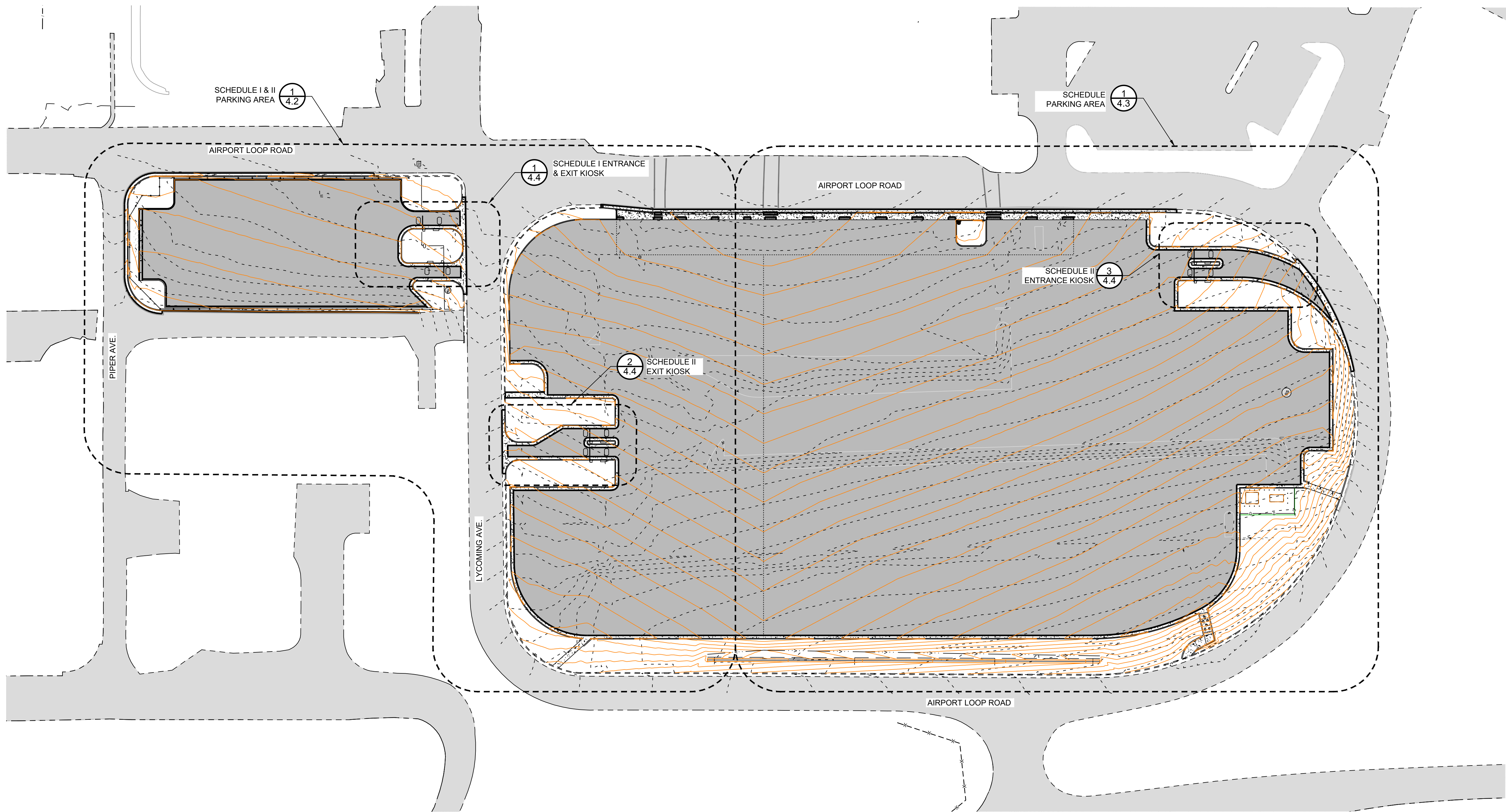
SOUTH PARKING AREA - SCHEDULE II

POINT DESCRIPTION, NORTHING/EASTING & ELEVATION				
PNT #	DESC	ELEV	NORTHING	EASTING
200	G-ME	200.18	2244018.01	5979719.31
201	G	200.65	2244013.43	5979732.78
202	G	202.50	2243952.41	5979762.42
203	G	202.50	2243951.07	5979761.96
204	RP	202.82	2243951.97	5979761.52
205	G	201.75	2243944.07	5979747.55
206	G	201.55	2243945.46	5979743.54
207	RP	202.00	2243946.77	5979746.24
208	G	199.57	2244010.31	5979712.08
209	G	197.12	2243986.01	5979663.51
210	G-FL	195.44	2243914.08	5979638.98
211	RP	198.26	2243937.71	5979687.68
212	GB-G	199.46	2243800.93	5979694.02
213	G	193.47	2243589.02	5979796.87
214	RP	202.45	2243660.84	5979944.86
215	G-FL	191.53	2243529.28	5979846.11
216	RP	195.22	2243567.58	5979877.58
217	G	194.60	2243523.05	5979899.18
218	G	196.13	2243542.41	5979939.10
219	FL	194.44	2243498.94	5979961.56
220	G	195.80	2243510.74	5979978.37
221	RP	196.26	2243506.24	5979980.55
222	G	196.05	2243508.42	5979985.05
223	G	196.60	2243494.35	5979991.88
224	G	199.45	2243525.78	5980056.66
225	G	200.25	2243543.45	5980048.08
226	RP	200.73	2243547.82	5980057.08
227	G	200.90	2243556.81	5980052.72
228	G	201.65	2243565.32	5980070.25
229	G	204.90	2243638.20	5980034.89
230	G	205.80	2243646.06	5980051.08
231	RP	206.15	2243644.26	5980051.95
232	G	206.03	2243645.13	5980053.75
233	G	203.70	2243605.92	5980072.79
234	RP	199.86	2243570.95	5980000.57
235	G	195.40	2243508.62	5980051.11
236	G	201.85	2243577.17	5980102.24
237	RP	202.45	2243577.65	5980101.12
238	G	202.00	2243577.67	5980099.87
239	RP	200.22	2243580.00	5979995.90
240	G	204.85	2243625.43	5980089.45
241	G	0.00	2243670.70	5980067.47
242	RP	0.00	2243672.88	5980071.97
243	G	0.00	2243677.38	5980069.79
244	G	0.00	2243685.05	5980081.07
245	EX-FL	207.36	2243668.47	5980096.24
246	G	203.25	2243598.29	5980054.25

POINT DESCRIPTION, NORTHING/EASTING & ELEVATION				
PNT #	DESC	ELEV	NORTHING	EASTING
247	END WALK	0.00	2243685.81	5980087.37
248	G	0.00	2243683.52	5980082.50
249	CURB END	210.31	2243781.44	5980041.53
250	G	210.34	2243781.21	5980041.09
251	CURB END	210.83	2243790.44	5980037.16
252	G	210.54	2243790.22	5980036.71
253	G	210.45	2243788.05	5980032.21
254	G	210.20	2243781.94	5980019.61
255	G	210.20	2243784.25	5980012.93
256	RP	210.32	2243786.43	5980017.43
257	G	210.40	2243795.05	5980007.69
258	RP	210.68	2243797.23	5980012.19
259	G	210.55	2243801.73	5980010.01
260	G	210.80	2243807.84	5980022.61
261	GB	0.00	2243731.83	5980058.36
262	TBC	209.76	2243737.15	5980062.46
263	G	209.32	2243737.37	5980062.91
264	G	211.55	2243839.25	5980013.48
265	G	211.39	2243839.05	5980013.02
266	CURB END	212.94	2243924.70	5979972.02
267	CURB END	0.00	2243921.87	5979966.17
268	CURB END	212.95	2243933.70	5979967.65
269	CURB END GB	0.00	2243930.86	5979961.81
270	G-HP	212.43	2243966.44	5979951.77
271	G-HP	212.41	2243966.17	5979951.34
273	G	0.00	2243996.90	5979936.99
274	G	211.83	2244003.70	5979933.69
275	END WALK	0.00	2244028.87	5979923.66
276	G	0.00	2244033.70	5979913.02
277	G	211.23	2244038.22	5979920.64
278	G-ME	211.38	2244040.25	5979921.84
279	G	0.00	2244025.17	5979916.05
280	G	210.70	2244046.62	5979906.75
281	RP	210.70	2244023.48	5979859.07
282	G	208.00	2244070.88	5979835.35
283	G	205.70	2244048.97	5979791.57
284	G	205.30	2244036.05	5979798.04
285	G	204.80	2244022.58	5979793.46
286	G	204.98	2244031.57	5979789.10
287	G	204.35	2244016.32	5979780.29
288	G	204.80	2243973.42	5979801.12
289	G	204.65	2243969.41	5979799.73
290	RP	210.70	2243972.11	5979798.42
291	G	203.75	2243962.42	5979785.34
292	G	203.75	2243962.89	5979784.00
293	RP	204.10	2243963.32	5979784.90
294	G	202.70	2243995.26	5979768.29
295	G	202.60	2243997.26	5979766.52

POINT DESCRIPTION, NORTHING/EASTING & ELEVATION				
PNT #	DESC	ELEV	NORTHING	EASTING
296	RP	202.45	2243993.07	5979763.79
297	G	201.60	2244008.49	5979749.31
298	G	201.50	2244010.50	5979747.55
299	RP	202.13	2244012.68	5979752.05
300	G	201.21	2244018.93	5979743.45
301	G	201.77	2244032.24	5979747.97
302	RP	202.08	2244023.30	5979752.45
303	G	202.44	2244038.32	5979760.10
304	TOC	203.41	2244042.51	5979769.80
305	RP	200.55	2244009.08	5979723.75
306	TOC	193.75	2243925.22	5979611.62
307	TBC-ME	0.00	2243525.68	5979851.22
308	TBC	188.91	2243474.26	5979964.44
309	GB	209.24	2244002.74	5979869.45
310	GB	206.33	2243981.62	5979825.28
311	GB	199.66	2243949.42	5979711.81
312	SWALE	194.20	2243831.93	5979666.30
313	GB	210.88	2244014.70	5979894.47
314	GB	212.37	2243920.39	5979940.22
315	GB	210.57	2243903.80	5979906.02
316	GB	207.54	2243875.86	5979848.44
317	GB	204.50	2243847.92	5979790.86
318	GB	202.42	2243828.71	5979751.27
319	GB	210.00	2243777.14	5980009.72
320	GB	207.97	2243760.53	5979975.54
321	GB	204.55	2243732.59	5979917.96
322	GB	201.14	2243704.62	5979860.39
323	GB	198.79	2243685.46	5979820.81
324	GB-G	195.39	2243657.68	5979763.55
325	A	201.20	2243610.26	5979977.31
326	A	197.51	2243582.32	5979919.73
327	SWALE	196.08	2243797.21	5979686.35
328	GB	201.61	2243585.41	5980027.72
329	A	197.60	2243553.98	5979962.95
330	SWALE	194.20	2243579.57	5979787.44
331	GB	0.00	2243721.36	5980036.78
332	ME-G	195.19	2243506.66	5980048.42
333	FL	191.36	2243528.66	5979845.33
334	FL	186.35	2243520.07	5979834.56
335	TBC-ME	185.40	2243518.82	5979833.00
336	FL	185.36	2243523.45	5979826.58
337	FL	185.28	2243525.70	5979811.40
338	FL	185.13	2243520.60	5979816.78
339	FL	185.36	2243518.59	5979823.07
340	FL	185.33	2243521.02	5979824.82
341	FL	185.40	2243514.94	5979828.13
342	FL	185.37	2243516.88	5979830.56
343	FL	185.52	2243511.29	5979833.18

S:\California\Arcata\Project Files\Active Projects\ARCATA - CONSTRUCT PARKING LOT\CAD\dwg\226826104.dwg 5/10/2023 4:28:58 PM MMONROE



CAUTION - NOTICE TO CONTRACTOR

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND WHERE POSSIBLE, MEASUREMENTS IN THE FIELD. THE INFORMATION IS PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR AND IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL CALIFORNIA 811 (1-800-624-2444) AT LEAST 48 HOURS BEFORE ANY EXCAVATION / EMBANKMENT TO REQUEST FIELD LOCATION OF UTILITIES.

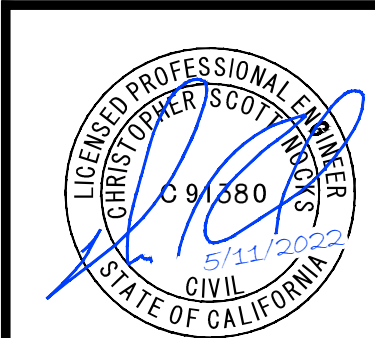


PLAN - KEY MAP



NOTE:

- ENTRANCE AND EXIT KIOSKS AND DETECTION LOOPS WILL BE INSTALLED BY OTHERS. THE EQUIPMENT SHOWN ARE FOR REFERENCE ONLY. CONTRACTOR SHALL COORDINATE WITH THE KIOSK INSTALLER TO PREVENT THE NEED FOR REWORKING/REMOVING THE NEW CONSTRUCTION ITEMS.
- ALL ELEVATIONS ARE TO FLOWLINE OF CURB UNLESS OTHERWISE LABELED.
- SEE SHEETS 3.1 - 3.4 FOR GEOMETRIC LAYOUT AND DIMENSIONS.
- SEE SHEETS 8.1 - 8.3 FOR PROPOSED CONSTRUCTION PHASING.



CALIFORNIA REDWOOD COAST
HUMBOLDT COUNTY AIRPORT
MCKINLEYVILLE, CA
PARKING LOT REHAB. PHASE 1

No.	Revision	Date	By

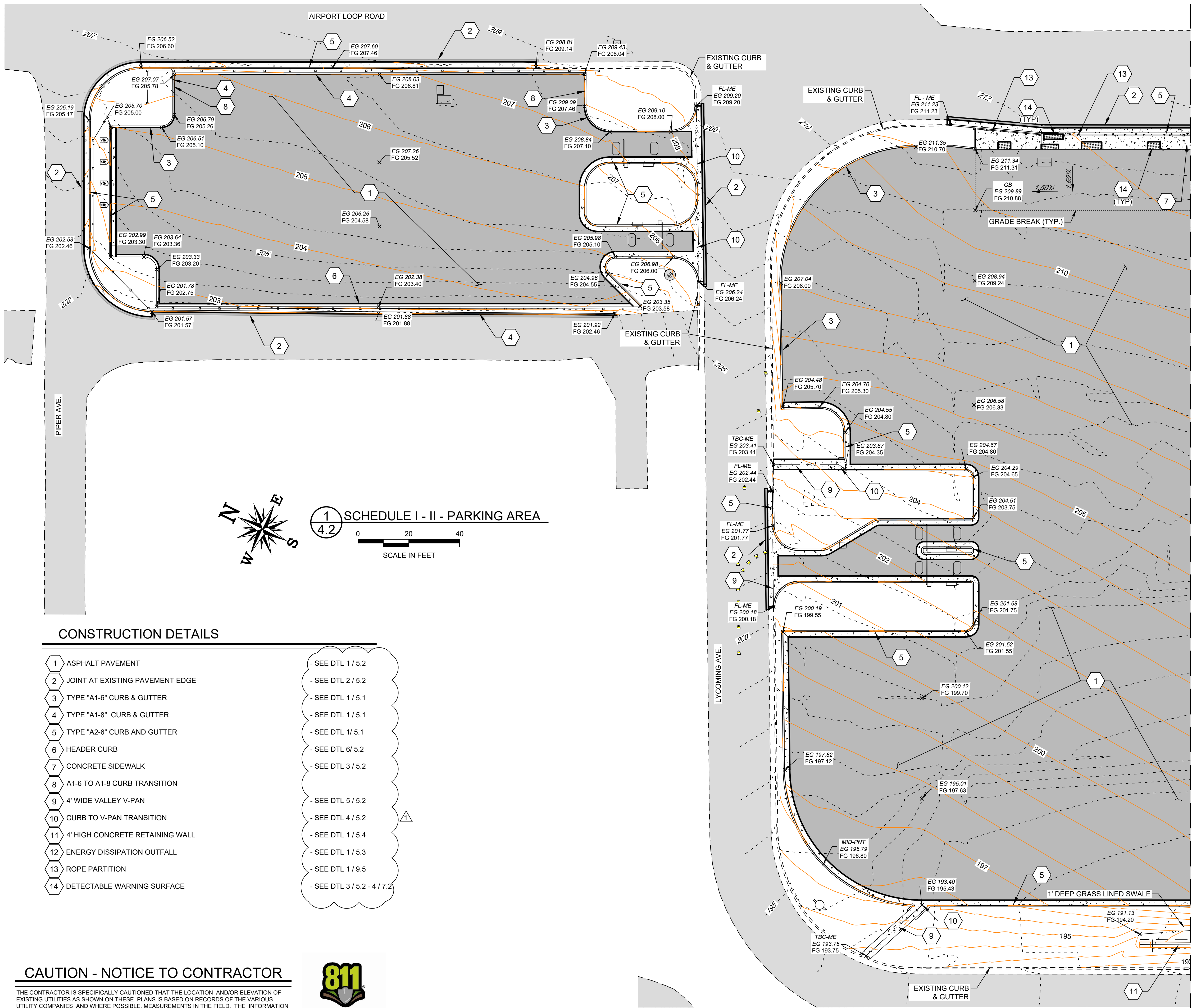
ACI No. 226826
Date: 05/2023
File Name: 226826104

Drawn: CES/MLM
Checked: CES
Approved: CSN

PAVING AND
GRADING
PLAN

Sheet: 4.1

S:\California\Arcata\Project Files\Active Projects\226826 ARCAT - CONSTRUCT PARKING LOT\CAD\dwg\226826104.dwg 5/19/2023 9:40:44 AM MMONROE



SEE SHEET 4.3 FOR CONTINUATION

CONSTRUCTION DETAILS

- | | |
|------------------------------------|-----------------------------|
| 1 ASPHALT PAVEMENT | - SEE DTL 1 / 5.2 |
| 2 JOINT AT EXISTING PAVEMENT EDGE | - SEE DTL 2 / 5.2 |
| 3 TYPE "A1-6" CURB & GUTTER | - SEE DTL 1 / 5.1 |
| 4 TYPE "A1-8" CURB & GUTTER | - SEE DTL 1 / 5.1 |
| 5 TYPE "A2-6" CURB AND GUTTER | - SEE DTL 1 / 5.1 |
| 6 HEADER CURB | - SEE DTL 6 / 5.2 |
| 7 CONCRETE SIDEWALK | - SEE DTL 3 / 5.2 |
| 8 A1-6 TO A1-8 CURB TRANSITION | - SEE DTL 5 / 5.2 |
| 9 4' WIDE VALLEY V-PAN | - SEE DTL 4 / 5.2 |
| 10 CURB TO V-PAN TRANSITION | - SEE DTL 1 / 5.4 |
| 11 4' HIGH CONCRETE RETAINING WALL | - SEE DTL 1 / 5.3 |
| 12 ENERGY DISSIPATION OUTFALL | - SEE DTL 1 / 9.5 |
| 13 ROPE PARTITION | - SEE DTL 3 / 5.2 - 4 / 7.2 |
| 14 DETECTABLE WARNING SURFACE | |

CAUTION - NOTICE TO CONTRACTOR

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND WHERE POSSIBLE, MEASUREMENTS IN THE FIELD. THE INFORMATION IS PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR AND IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL CALIFORNIA 811 (1-800-624-2444) AT LEAST 48 HOURS BEFORE ANY EXCAVATION / EMBANKMENT TO REQUEST FIELD LOCATION OF UTILITIES.



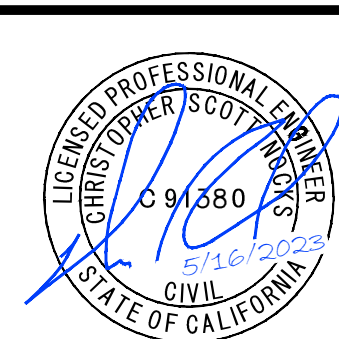
No.	Revision	Date	By
1	ADDENDUM 1	5/16/23	C.E.S.

ACI No. 226826
Date: 05/2023
File Name: 226826104

Drawn: CES/MLM
Checked: CES
Approved: CSN

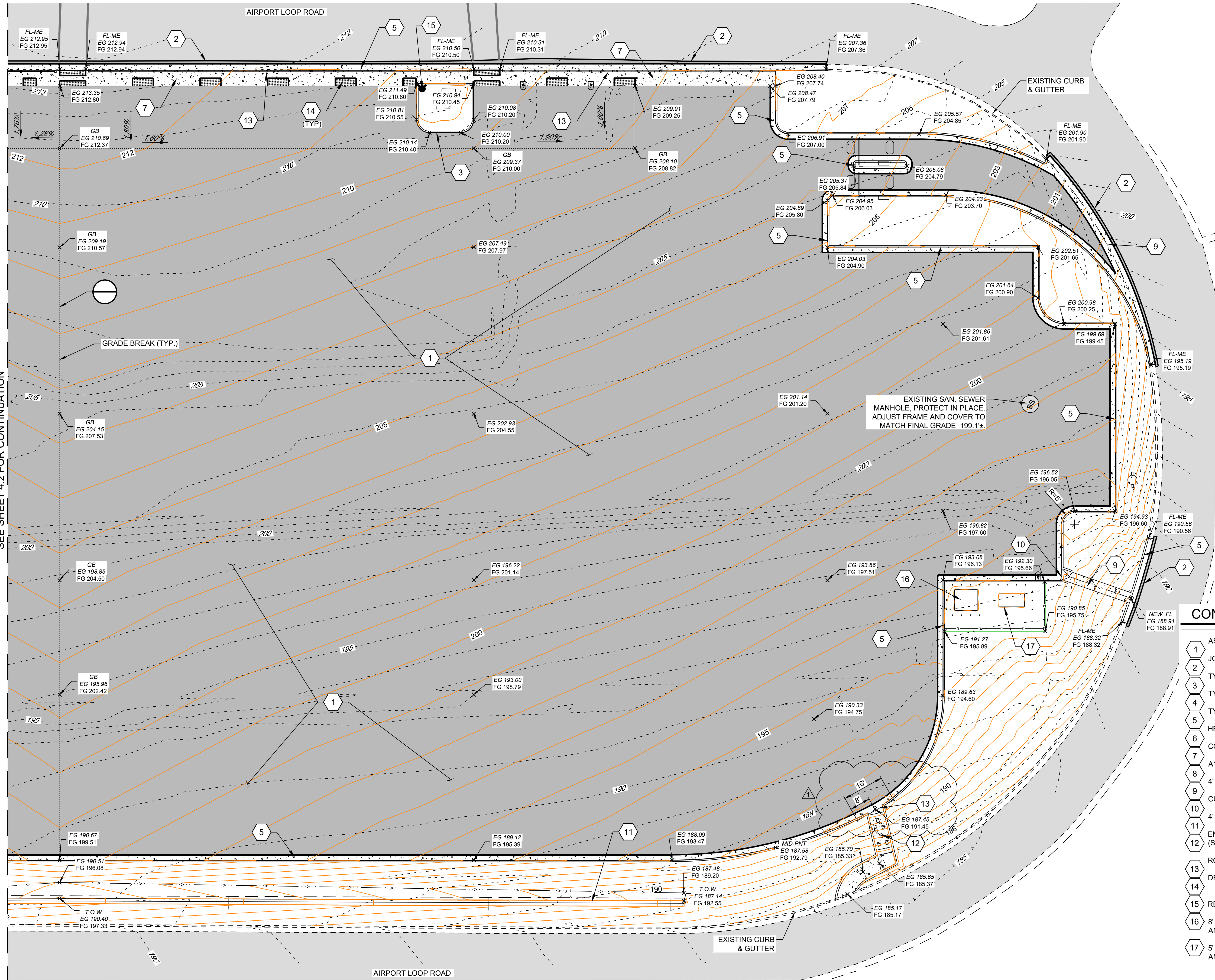
PAVING AND
GRADING
PLAN

Sheet: 4.2



S:\California\Arcata\Project Files\Active Projects\226826 ARCAT - CONSTRUCT PARKING LOT\CAD\dwg\226826104.dwg 5/19/2023 11:42:33 AM MMONROE

SEE SHEET 4.2 FOR CONTINUATION



SPOT ELEVATION ABBREVIATIONS

FL	FLOWLINE
MID-PNT	MID POINT
TBC	TOP BACK OF CURB
ME	MATCH EXISTING
TOW	TOP OF WALL
GB	GRADE BREAK
EG	EXISTING GRADE
FG	FINISHED GRADE

NOTE:

- ENTRANCE AND EXIT KIOSKS AND DETECTION LOOPS WILL BE INSTALLED BY OTHERS. THE EQUIPMENT SHOWN ARE FOR REFERENCE ONLY. CONTRACTOR SHALL COORDINATE WITH THE KIOSK INSTALLER TO PREVENT THE NEED FOR REWORKING/REMOVING THE NEW CONSTRUCTION ITEMS.
- ALL ELEVATIONS ARE TO FLOWLINE OF CURB UNLESS OTHERWISE LABELED.
- SEE SHEETS (3.1 - 3.4) FOR GEOMETRIC LAYOUT AND DIMENSIONS.
- SEE SHEET 4.4 FOR KIOSK AREA GRADING.
- SEE SHEETS (8.1 - 8.3) FOR PROPOSED CONSTRUCTION PHASING.
- RELOCATE EXISTING FIRE HYDRANT AND CONNECTIONS, MIN. 1.5' FROM BACK OF CURB AS SHOWN. WATERLINE CONNECTIONS WILL MATCH EXISTING SIZES AND SHALL BE INCIDENTAL TO HYDRANT RELOCATION.

CONSTRUCTION DETAILS

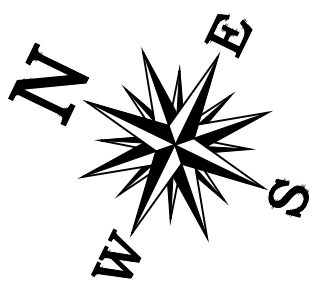
1	ASPHALT PAVEMENT	- SEE DTL 1 / 5.2
2	JOINT AT EXISTING PAVEMENT EDGE	- SEE DTL 2 / 5.2
3	TYPE "A1-6" CURB & GUTTER	- SEE DTL 1 / 5.1
4	TYPE "A1-8" CURB & GUTTER	- SEE DTL 1 / 5.1
5	TYPE "A2-6" CURB AND GUTTER	- SEE DTL 1 / 5.1
6	HEADER CURB	- SEE DTL 6 / 5.2
7	CONCRETE SIDEWALK	- SEE DTL 3 / 5.2
8	A1-6 TO A1-8 CURB TRANSITION	- SEE DTL 5 / 5.2
9	4' WIDE VALLEY V-PAN	- SEE DTL 4 / 5.2
10	CURB TO V-PAN TRANSITION	- SEE DTL 1 / 5.4
11	4' HIGH CONCRETE RETAINING WALL	- SEE DTL 1 / 5.3
12	ENERGY DISSIPATION OUTFALL (SHEET 3.3 INCLUDES ADDITIONAL ELEVATIONS)	- SEE DTL 1 / 9.5
13	ROPE PARTITION	- SEE DTL 3 / 5.2
14	DETECTABLE WARNING SURFACE)	- SEE DTL 4 / 7.2
15	RELOCATED FIRE HYDRANT	- SEE NOTE 6
16	8' X 9' JENSEN PRECAST EQUIPMENT PAD AND BOLLARDS.	- SEE DTL 1 / 9.6
17	5' X 10' JENSEN PRECAST EQUIPMENT PAD AND BOLLARDS.	- SEE DTL 1 / 9.6

CAUTION - NOTICE TO CONTRACTOR

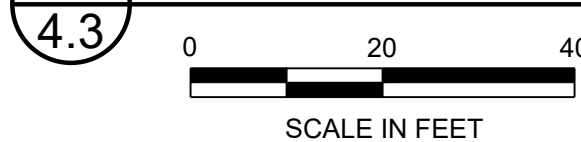
THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND WHERE POSSIBLE, MEASUREMENTS IN THE FIELD. THE INFORMATION IS PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR AND IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL CALIFORNIA811 (1-800-624-2444) AT LEAST 48 HOURS BEFORE ANY EXCAVATION / EMBANKMENT TO REQUEST FIELD LOCATION OF UTILITIES.



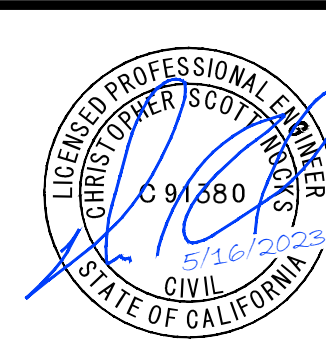
Know what's below.
Call before you dig.



1 SCHEDULE II - PARKING AREA



SCALE IN FEET



CALIFORNIA REDWOOD COAST
HUMBOLDT COUNTY AIRPORT
MCKINLEYVILLE, CA
PARKING LOT REHAB. PHASE 1

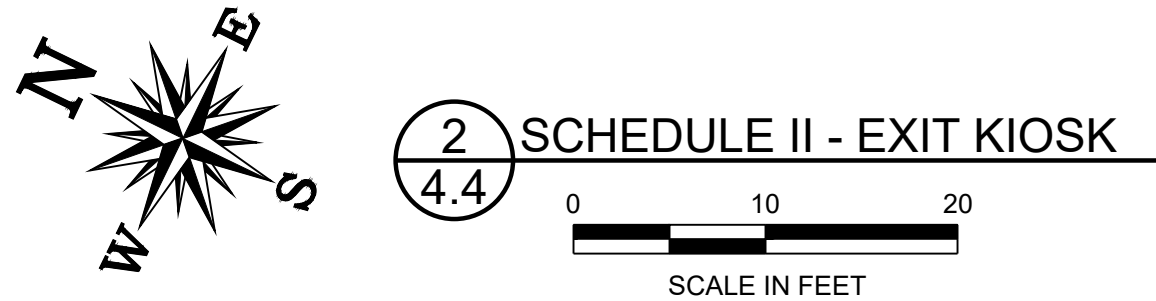
No.	Revision	Date	By
1	ADDENDUM 1	5/16/23	C.E.S.

ACI No. 226826
Date: 05/2023
File Name: 226826104

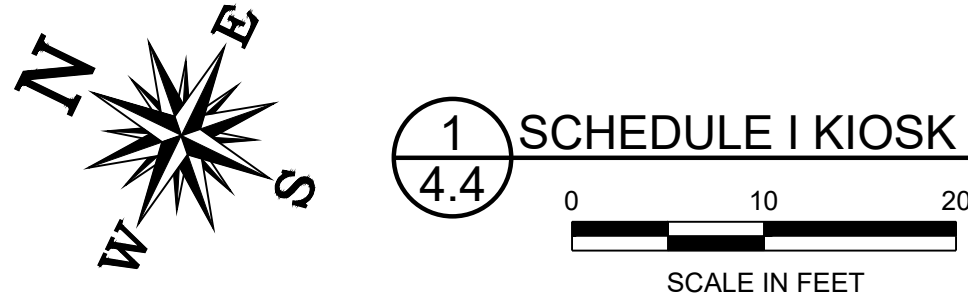
Drawn: CES/MLM
Checked: CES
Approved: CSN

PAVING AND
GRADING
PLAN

Sheet: 4.3



THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND WHERE POSSIBLE, MEASUREMENTS IN THE FIELD. THE INFORMATION IS PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR AND IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL CALIFORNIA811 (1-800-624-2444) AT LEAST 48 HOURS BEFORE ANY EXCAVATION / EMBANKMENT TO REQUEST FIELD LOCATION OF UTILITIES.



SPOT ELEVATION ABBREVIATIONS

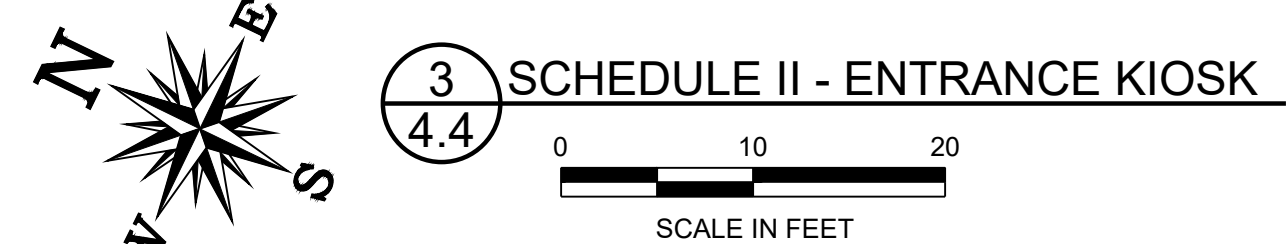
FL	FLOWLINE
MID-PNT	MID POINT
TBC	TOP BACK OF CURB
ME	MATCH EXISTING
TOW	TOP OF WALL
GB	GRADE BREAK
EG	EXISTING GRADE
FG	FINISHED GRADE

NOTE:

1. ENTRANCE AND EXIT KIOSKS AND DETECTION LOOPS WILL BE INSTALLED BY OTHERS. THE EQUIPMENT SHALL BE FOR REFERENCE ONLY. CONTRACTOR SHALL COORDINATE WITH THE KIOSK INSTALLER TO PREVENT THE NEED FOR REWORKING/REMOVING THE NEW CONSTRUCTION ITEMS.
2. ALL ELEVATIONS ARE TO FLOWLINE OF CURB UNLESS OTHERWISE LABELED.
3. SEE SHEETS (3.1 - 3.4) FOR GEOMETRIC LAYOUT AND DIMENSIONS.
4. SEE SHEETS (8.1 - 8.3) FOR PROPOSED CONSTRUCTION PHASING.

CONSTRUCTION DETAILS

1	ASPHALT PAVEMENT	- SEE DTL 1 / 5.2
2	JOINT AT EXISTING PAVEMENT EDGE	- SEE DTL 2 / 5.2
3	TYPE 'A1-6' CURB & GUTTER	- SEE DTL 1 / 5.1
4	TYPE 'A1-8' CURB & GUTTER	- SEE DTL 1 / 5.1
5	TYPE "A2-6" CURB AND GUTTER	-SEE DTL 1 / 5.1
9	4' WIDE VALLEY V-PAN	-SEE DTL 6 / 5.2
12	6' HIGH CHAIN LINK FENCE DETAIL, NON SLATTED	-SEE SHT 9.1 - 9.4



CALIFORNIA REDWOOD COAST
HUMBOLDT COUNTY AIRPORT
MCKINLEYVILLE, CA
PARKING LOT REHAB. PHASE 1

[illegible]

ACI No. 226826
Date: 05/2023
File Name: 226826104

Drawn: CES/MLM
Checked: CES
Approved: CSN

PAVING AND
GRADING
PLAN

Sheet: 4.4



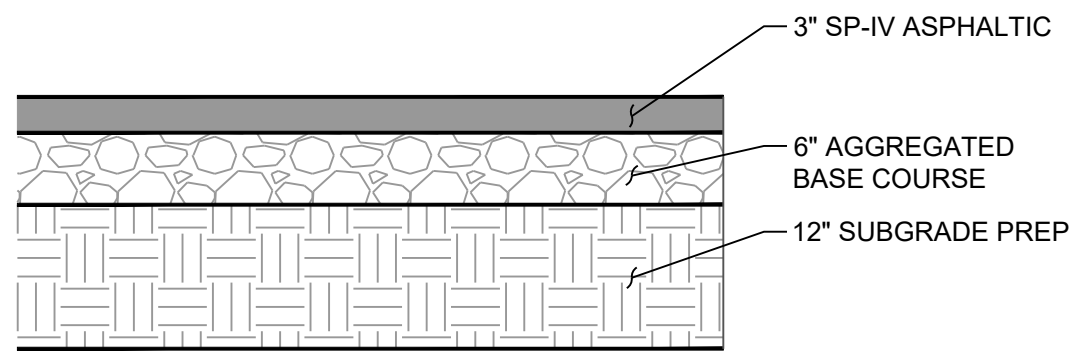
CURB TYPE	DIMENSIONS			
	"H1"	"H2"	"W1"	"W2"
A1-6	1'-2"	6"	7 1/2"	1 1/2"
A1-8	1'-4"	8"	8"	2"
A2-6	1'-0"	6"	2'-7 1/2"	1 1/2"
A2-8	1'-2"	8"	2'-8"	2"
A3-6	6"	5"	7 1/4"	1 1/4"
A3-8	8"	7"	7 3/4"	1 3/4"
B1-4	1'-0"	4"	7 1/2"	2 1/2"
B1-6	1'-2"	6"	9"	4"
B2-4	10"	4"	2'-7 1/2"	2 1/2"
B2-6	1'-0"	6"	2'-9"	4"
B3-4	4"	3"	7"	2"
B3-6	6"	5"	8 1/2"	3 1/2"
D-4	10"	4"	1'-4"	1'-1"
D-6	1'-0"	6"	2'-2"	1'-9"



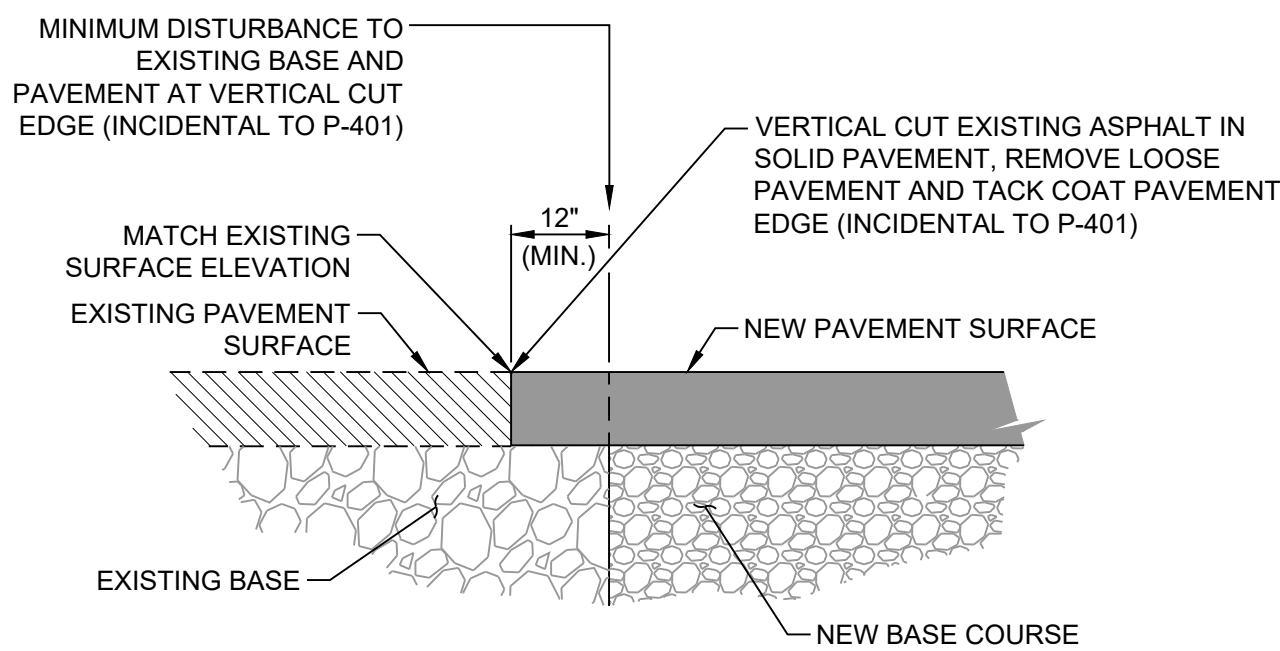
8. Minimum width of clear passageway for sidewalk shall be 4'-0".
9. Retaining curbs and acquisition of construction easement may be necessary for narrow sidewalks or curb heights in excess of 6".
10. Across the pedestrian route at curb ramp locations, the gutter pan slope shall not exceed 1" of depth for each 2'-0" of width.

A87A

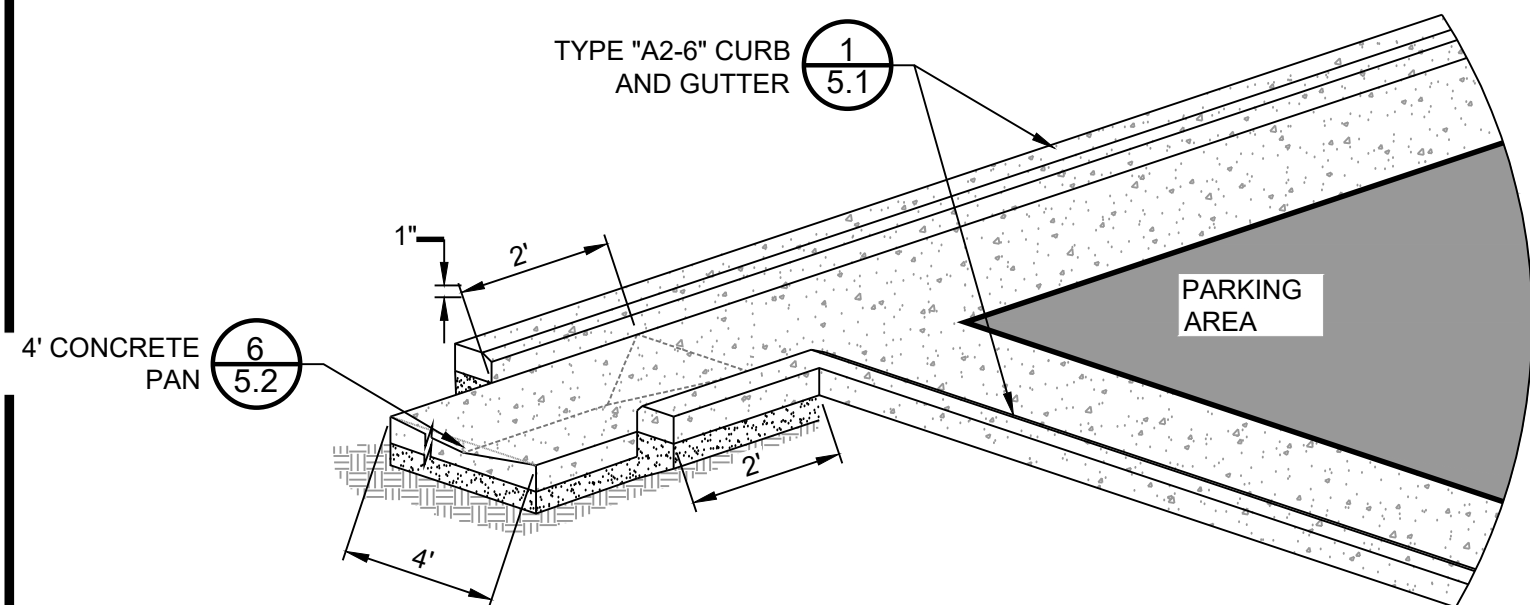
S:\California\Arcata\Project Files\Active Projects\226826 ARCAT - CONSTRUCT PARKING LOT\CAD\dwg\226826105.dwg 5/17/2023 4:33:03 PM MMONROE



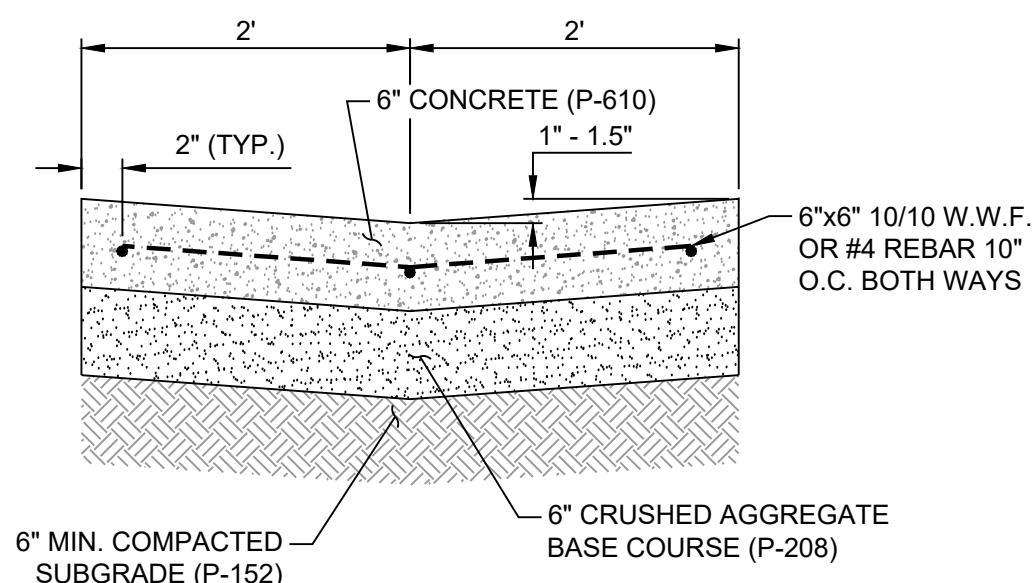
1 TYPICAL ASPHALT PAVEMENT SECTION
5.2 NOT TO SCALE



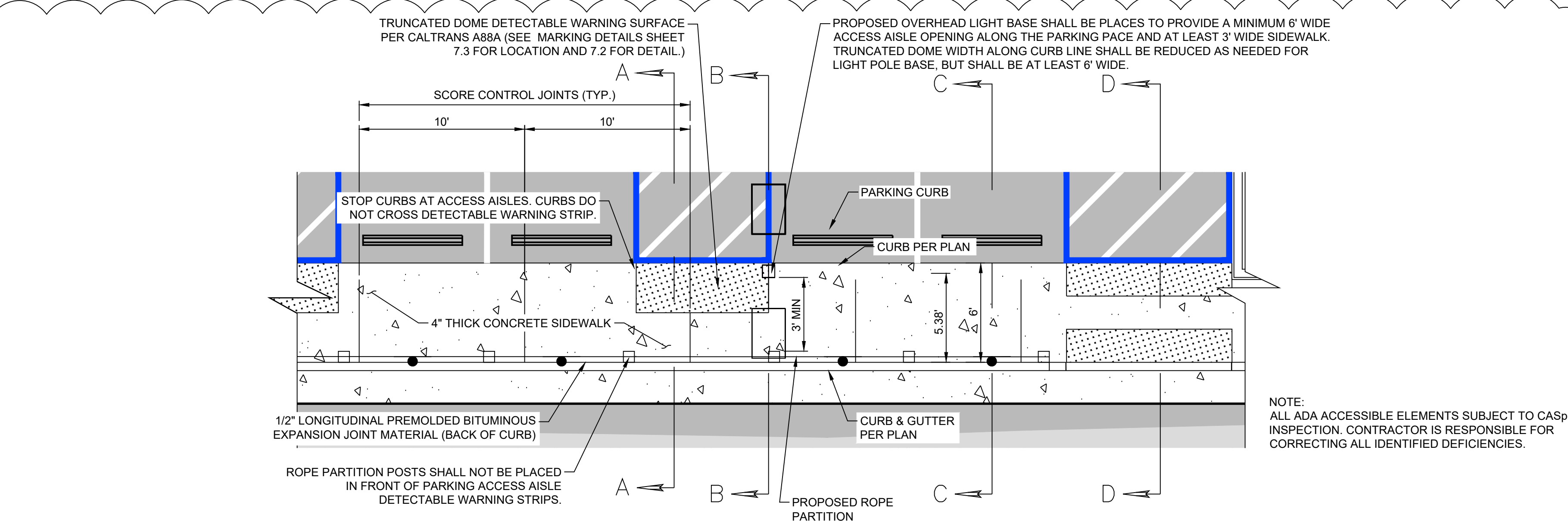
2 JOINT AT EXISTING PAVEMENT EDGE
5.2 NOT TO SCALE



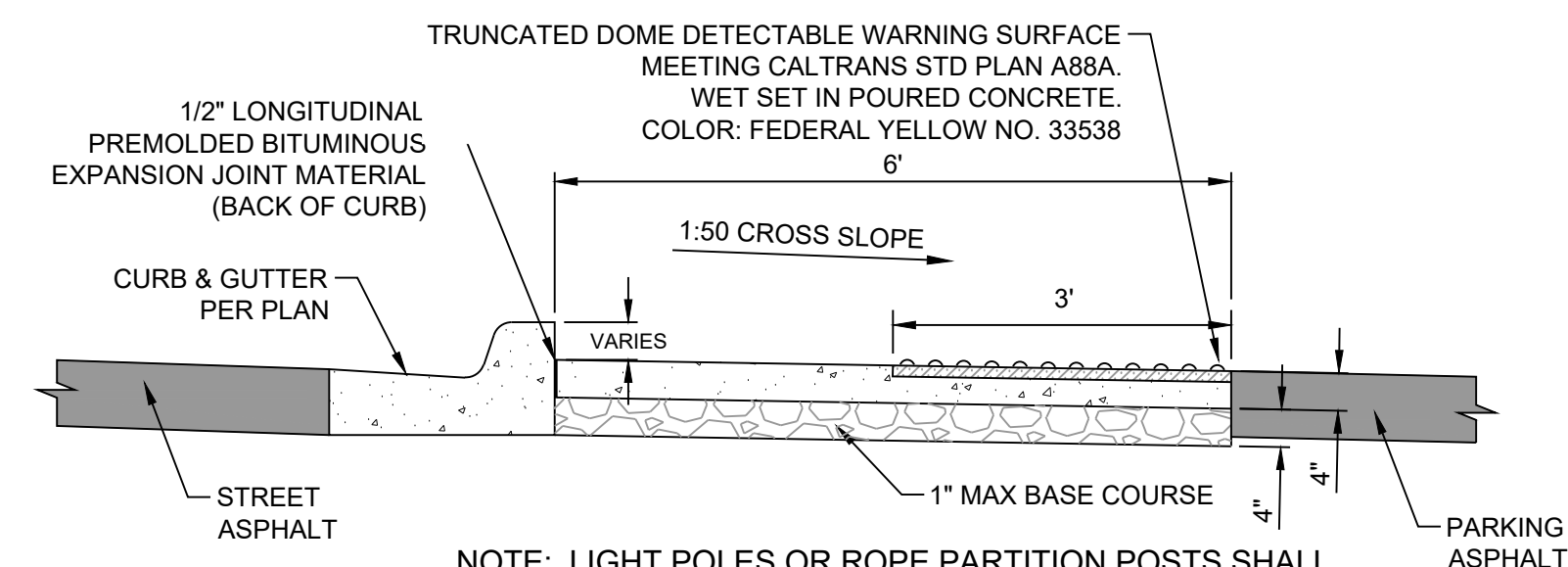
4 CURB TO V-PAN TRANSITION
5.2 NOT TO SCALE



5 4' CONCRETE V-PAN
5.2 NOT TO SCALE

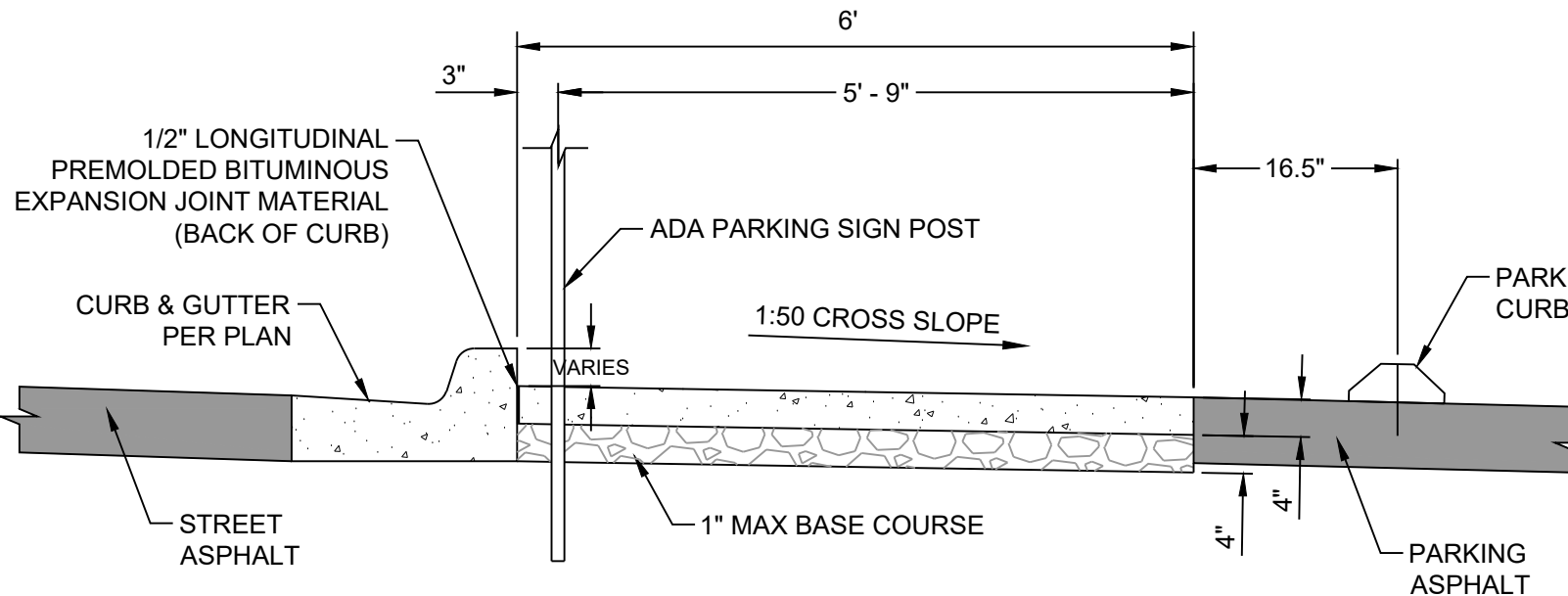


NOTE: ALL ADA ACCESSIBLE ELEMENTS SUBJECT TO CASP INSPECTION. CONTRACTOR IS RESPONSIBLE FOR CORRECTING ALL IDENTIFIED DEFICIENCIES.

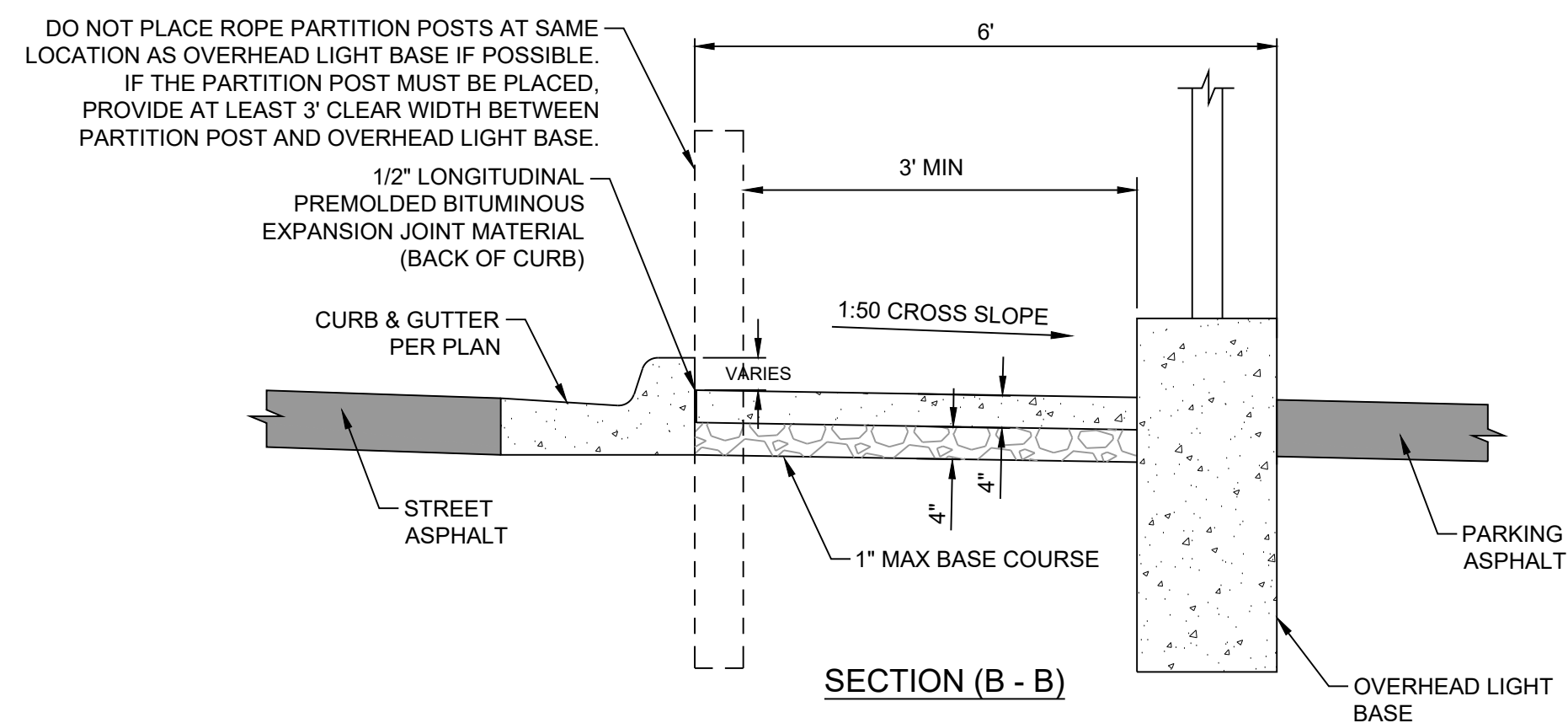


NOTE: LIGHT POLES OR ROPE PARTITION POSTS SHALL NOT BE PLACED IN FRONT OF ACCESSIBLE ROUTES. A MINIMUM 6' x 6' CLEAR SPACE SHALL BE MAINTAINED IN FRONT OF PARKING ACCESSIBLE AISLES.

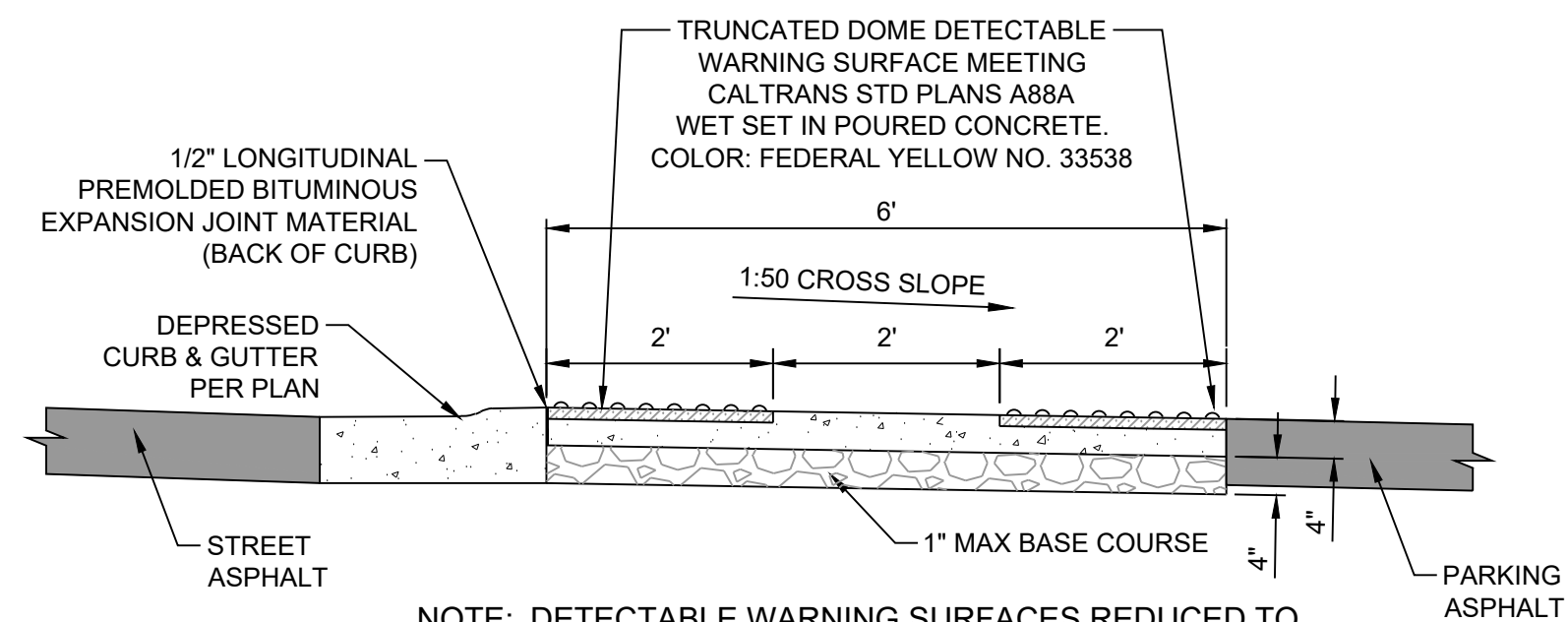
SECTION (A - A)



SECTION (C - C)

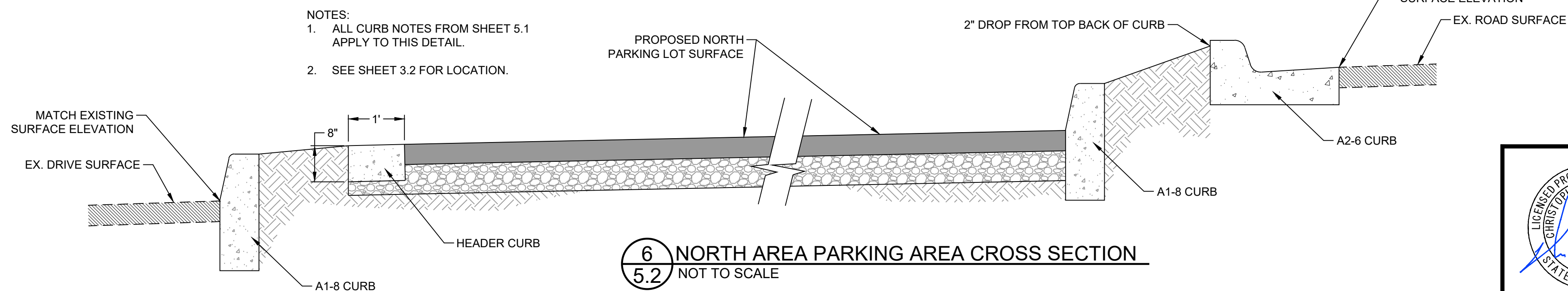


SECTION (B - B)



SECTION (D - D)

3 6' CONCRETE SIDEWALK
5.2 NOT TO SCALE



6 NORTH AREA PARKING AREA CROSS SECTION
5.2 NOT TO SCALE

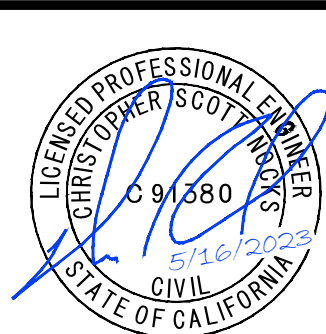
No.	Revision	Date	By
1	ADDENDUM 1	5/16/23	C.E.S.

ACI No. 226826
Date: 05/2023
File Name: 226826105

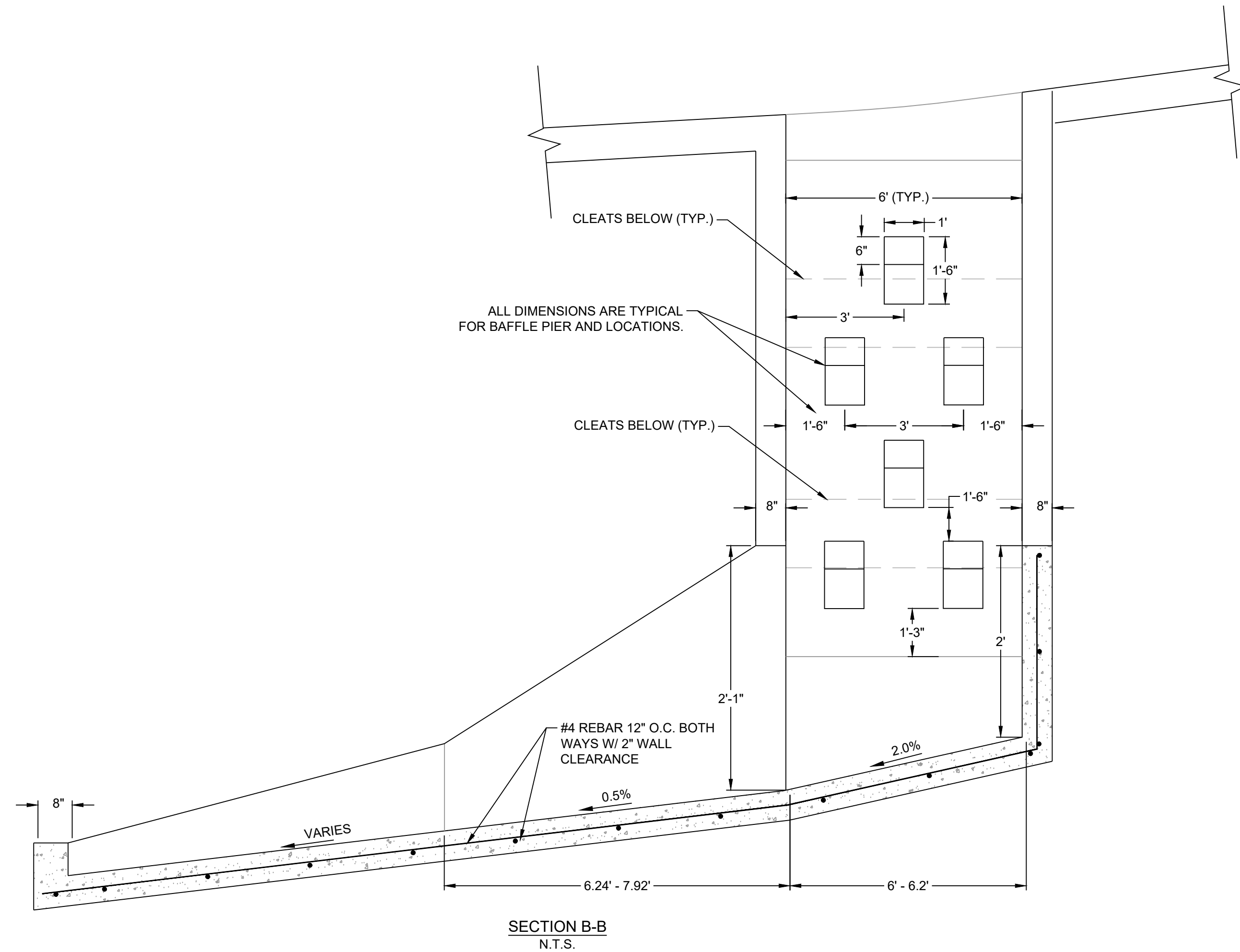
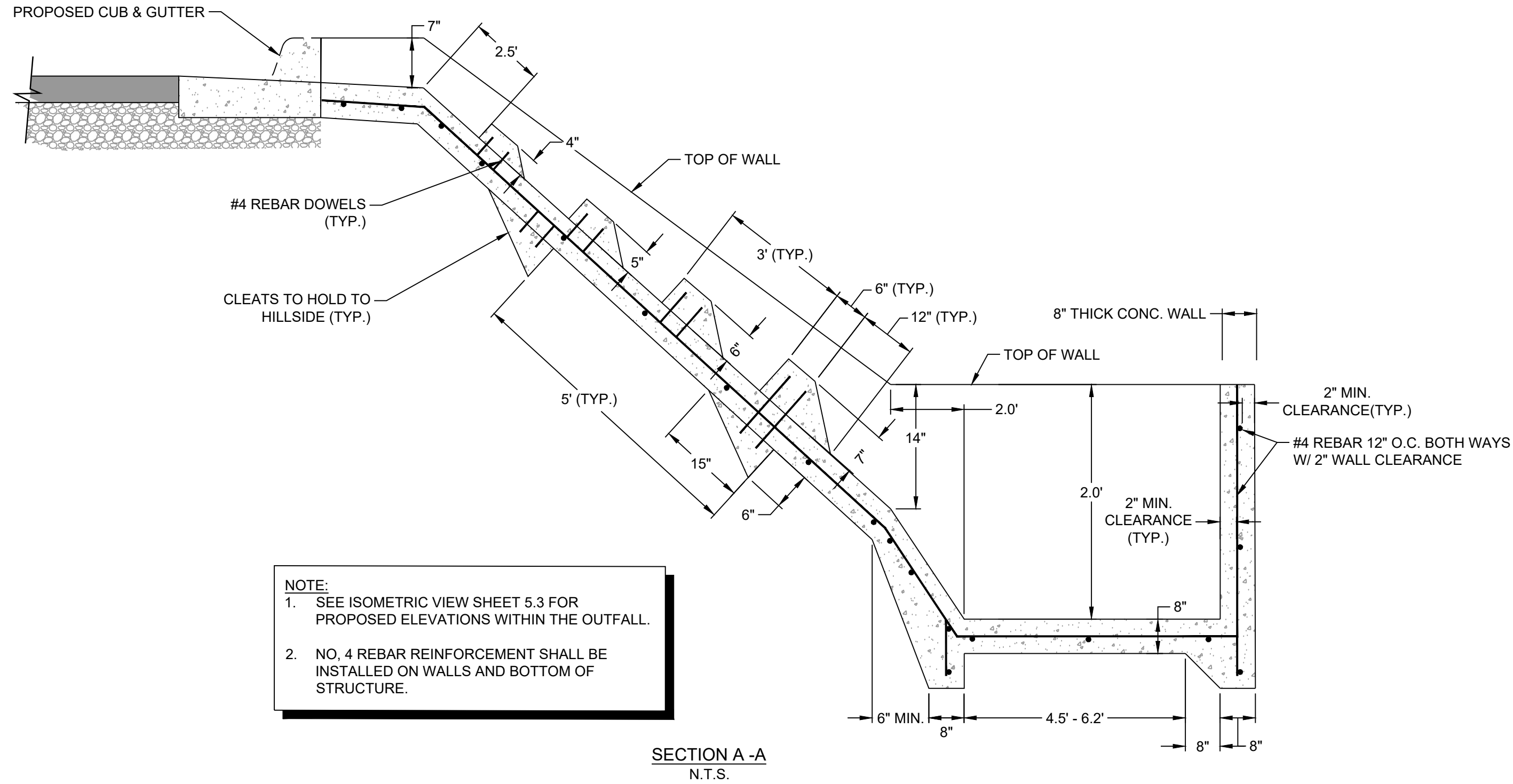
Drawn: CES/MLM
Checked: CES
Approved: CSN

DETAILS

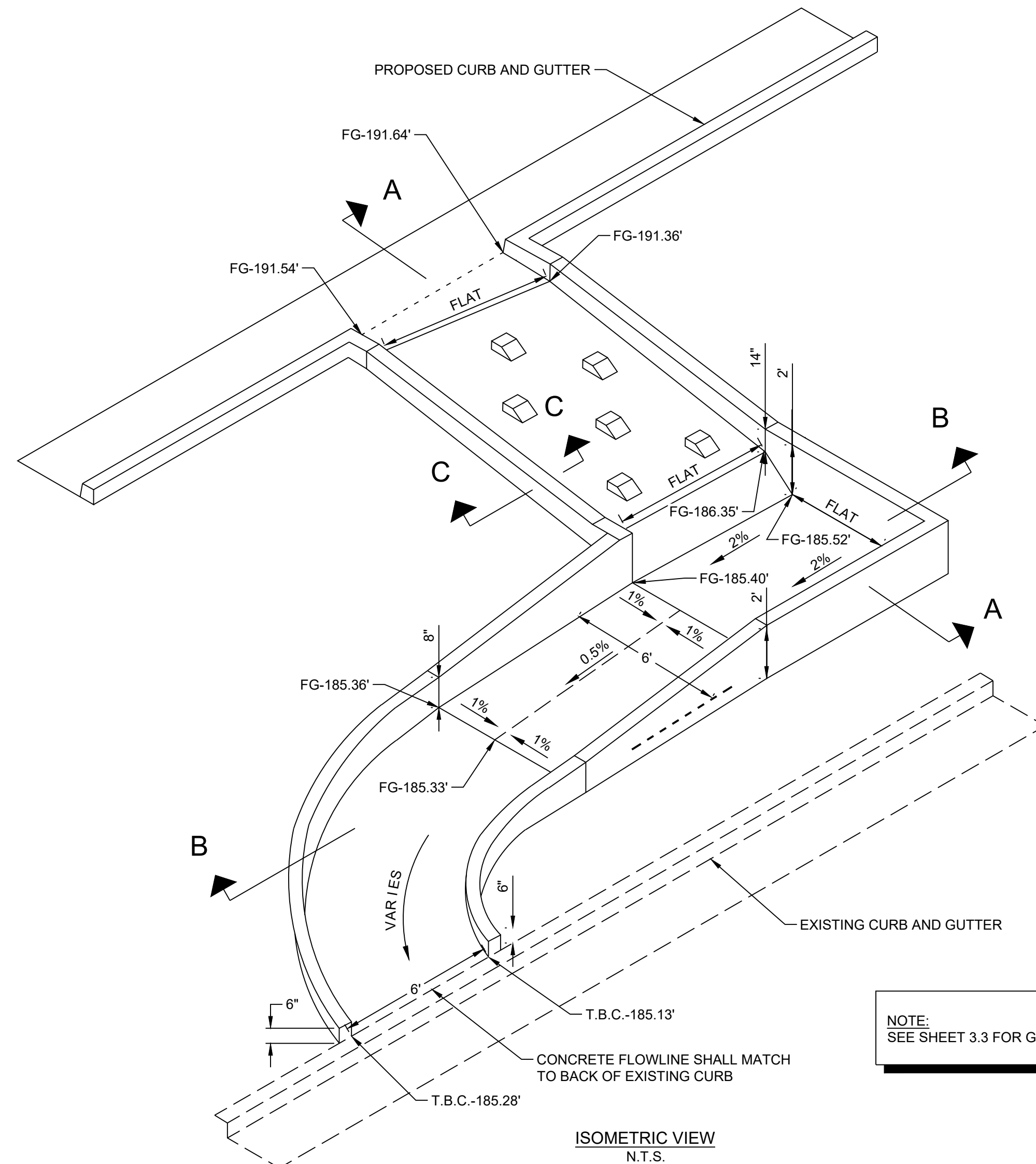
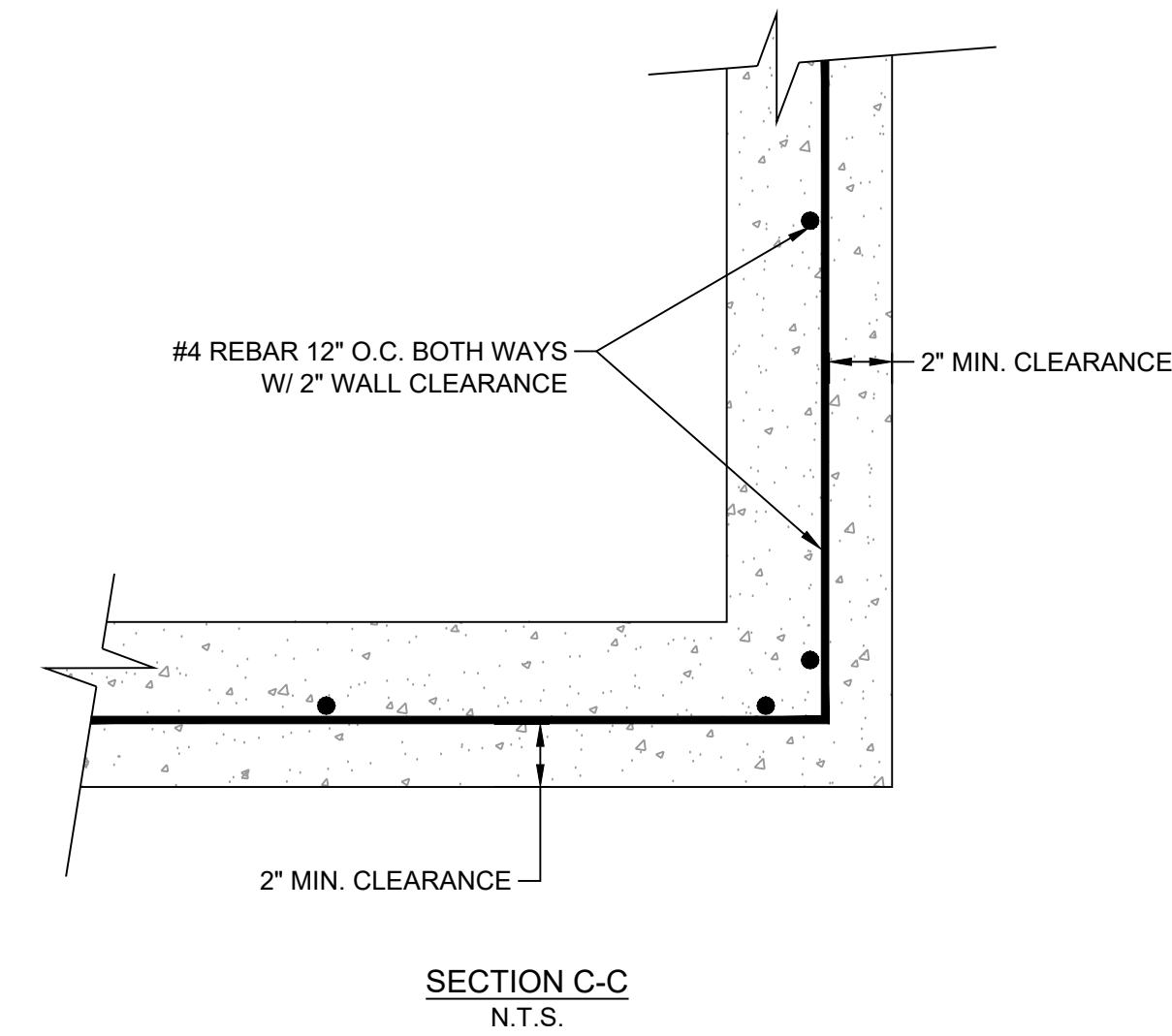
Sheet: 5.2



S:\California\Arcata\Project Files\Active Projects\226826 ARCAT - CONSTRUCT PARKING LOT\CAD\dwg\226826105.dwg 5/10/2023 8:11:27 AM MMONROE



1 ENERGY DISSIPATION OUTFALL
5.3 NOT TO SCALE



CALIFORNIA REDWOOD COAST
HUMBOLDT COUNTY AIRPORT
MCKINLEYVILLE, CA
PARKING LOT REHAB. PHASE 1

No.	Revision	Date	By

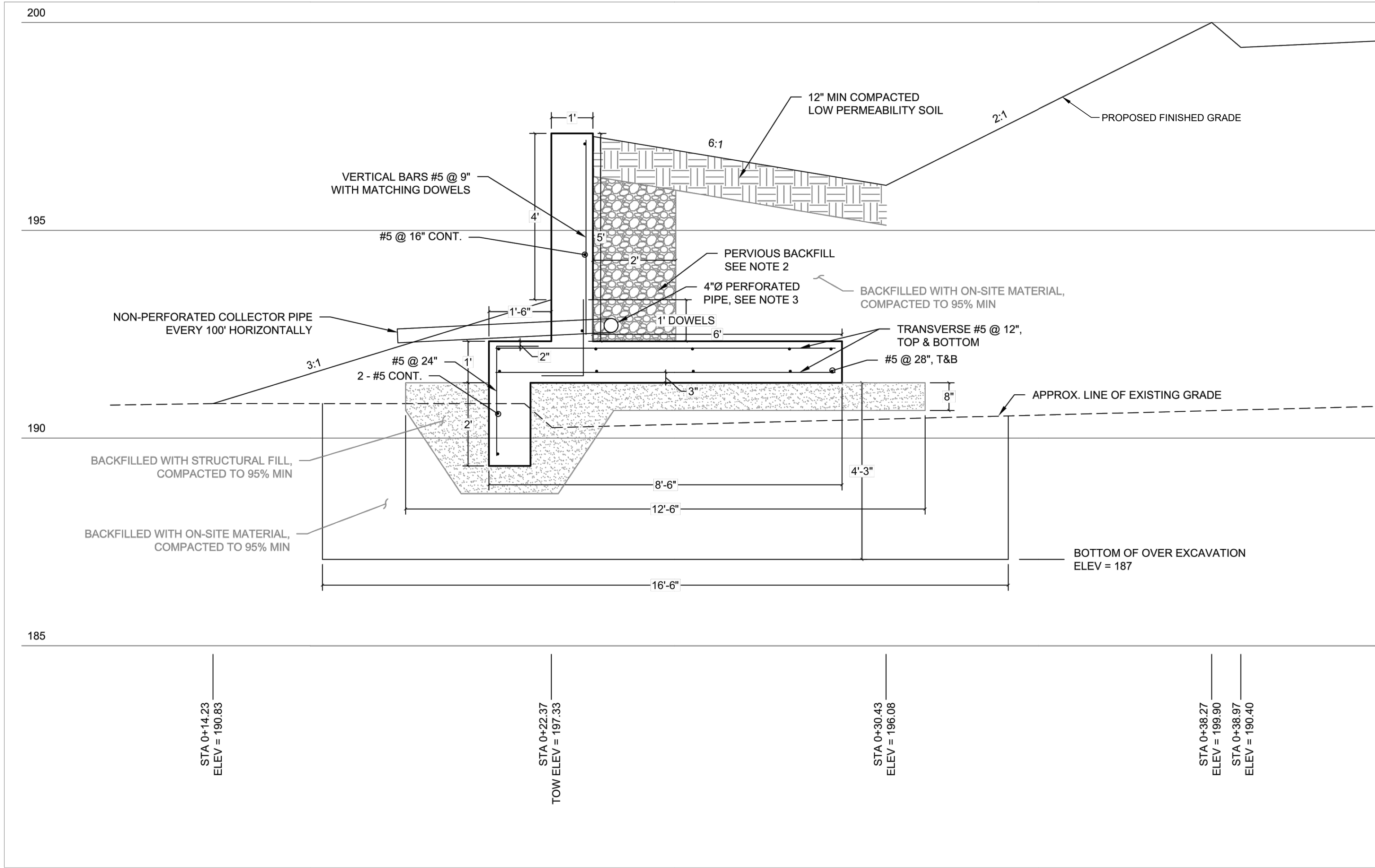
ACI No. 226826
Date: 05/2023
File Name: 226826105

Drawn: CES/MLM
Checked: CES
Approved: CSN

ENERGY DISSIPATION OUTFALL

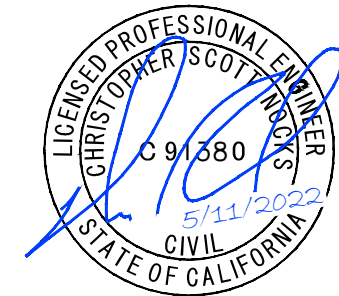
Sheet: 5.3

S:\California\Arcata\Project Files\Active Projects\226826 ARCAT - CONSTRUCT PARKING LOT\CAD\dwg\226826105.dwg 5/10/2023 8:11:27 AM MMONROE



1
5.3 RETAINING WALL
NOT TO SCALE

- NOTES:
1. VERTICAL CONTROL JOINTS SHALL BE PROVIDED ON EACH SIDE OF THE WALL AT A MAXIMUM SPACING OF 10'. CONTROL JOINT DEPTH SHALL BE 1.5". SEAL JOINTS WITH POLYURETHANE OR SILICONE CAULKING.
 2. PERVIOUS BACKFILL SHOULD CONFORM TO CLASS 2 PERMEABLE MATERIAL PER CALTRANS STANDARD SPEC, PEA GRAVEL HAVING A NOMINAL $\frac{3}{4}$ " DIAMETER, OR CRUSHED STONE SIZED BETWEEN $\frac{1}{4}$ " AND $\frac{3}{4}$ ".
 3. PERFORATED DRAINPIPE SHOULD CONSIST OF 4" DIAMETER SCH 40 PVC, WITH 2 SETS OF $\frac{1}{2}$ " (MAX) DIAMETER PERFORATIONS DRILLED AXIALLY AT 90° TO EACH OTHER, WITH AT LEAST ONE PERFORATION PER LINE SPACED AT 12", AND THE PERFORATIONS FACING DOWNWARDS.
 4. DRAINAGE SHALL BE COLLECTED IN A SOLID CONDUIT AND DIVERTED TO AN APPROVED DRAINAGE FACILITY.



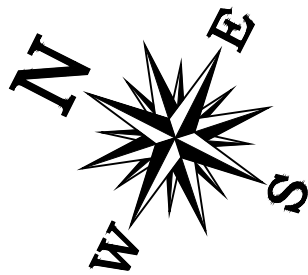
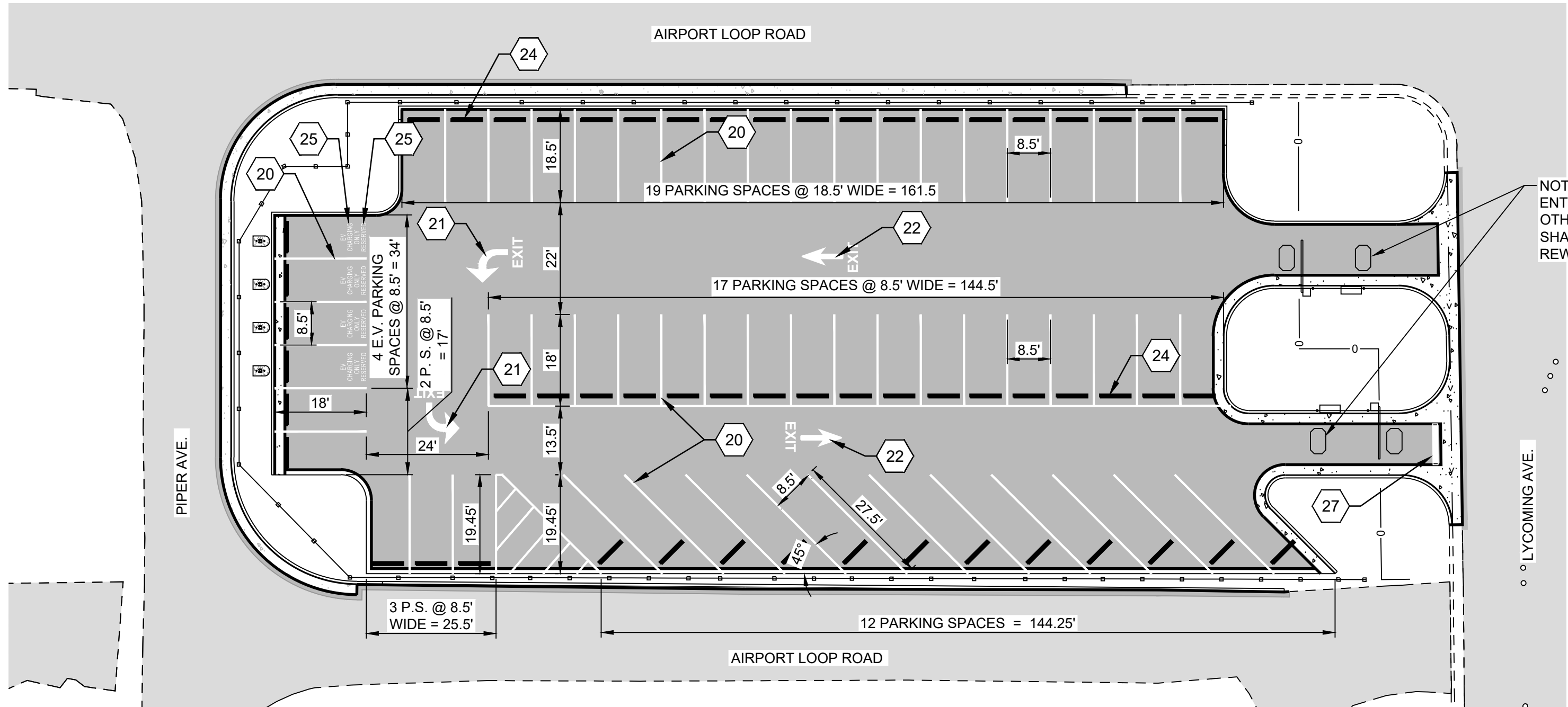
No.	Revision	Date	By

ACI No. 226826
Date: 05/2023
File Name: 226826105

Drawn: CES/MLM
Checked: CES
Approved: CSN

RETAINING
WALL
DETAIL

S:_California\Arcata\Project Files\Active Projects\ARCATA - CONSTRUCT PARKING LOT\CAD\dwg\226826106.dwg 5/16/2023 3:51:35 PM CSTERN



SCHEDULE I - MARKING PLAN



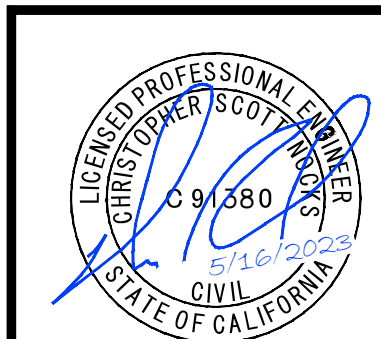
GENERAL NOTES

- ALL DIMENSIONS SHOWN ARE TO THE CENTER OF PAINTED MARKING.
- ROAD NAMES ARE FOR REFERENCE, DO NOT MARK.

CONSTRUCTION DETAILS

- 20 4" WIDE WHITE PAINT STRIPE
- 21 WHITE TYPE IV (L) ARROW AND EXIT LEGEND
- 22 WHITE TYPE I, 10' ARROW AND EXIT LEGEND
- 24 PARKING CURB PLACEMENT
- 25 EV CHARGING ONLY LEGEND
- 27 2" WIDE WHITE STOP BAR
- 28 RESERVED LEGEND

- SEE DTL 1/7.1
- SEE DTL 1/7.1
- SEE DTL 3/7.2
- SEE DTL 3/7.4



CALIFORNIA REDWOOD COAST
HUMBOLDT COUNTY AIRPORT
MCKINLEYVILLE, CA
PARKING LOT REHAB. PHASE 1

No.	Revision	Date	By
ADDENDUM 1		5/16/23	C.E.S.

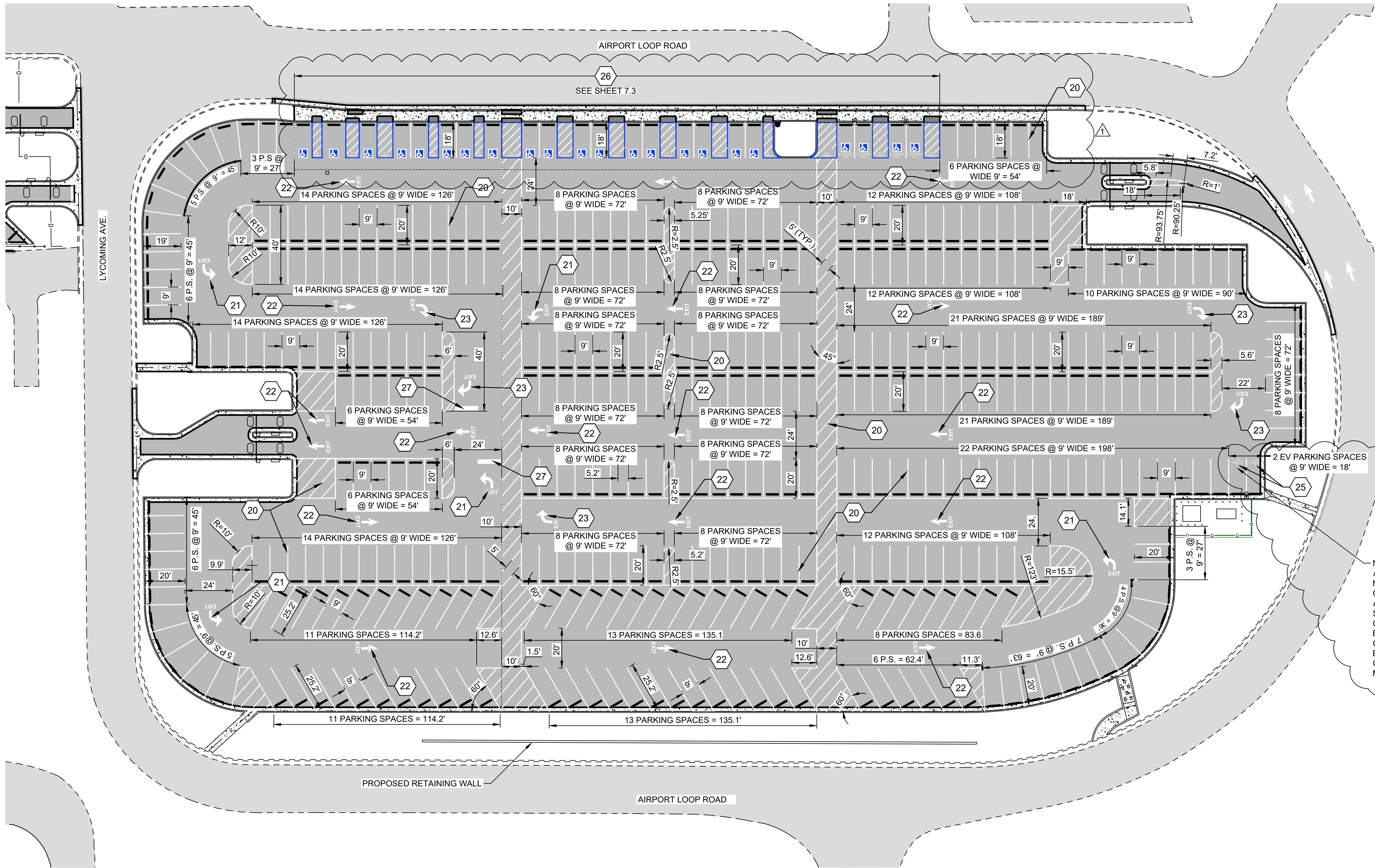
ACI No. 226826
Date: 05/2023
File Name: 226826106

Drawn: CES/MLM
Checked: CES
Approved: CSN

MARKING
PLAN

Sheet: 6.1

S:\California\Acrota\Project Files\Active Projects\226826 ARCAT - CONSTRUCT\PARKING LOT\CAD\dwg\226826106.dwg 5/17/2023 10:52:09 AM CSTERN



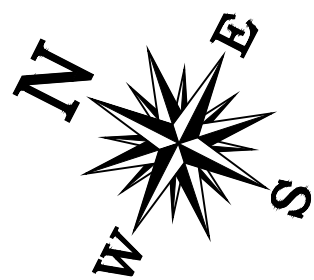
GENERAL NOTES

1. ALL DIMENSIONS SHOWN ARE TO THE CENTER OF PAINTED MARKING.
2. ROAD NAMES ARE FOR REFERENCE, DO NOT MARK.

CONSTRUCTION DETAILS

- 20 4" WIDE WHITE PAINT STRIPE
- 21 WHITE TYPE IV (L) ARROW AND EXIT LEGEND
- 22 WHITE TYPE I, 10' ARROW AND EXIT LEGEND
- 23 WHITE TYE IV (R) ARROW AND EXIT LEGEND
- 24 PARKING CURB PLACEMENT
- 25 EV CHARGING ONLY LEGEND
- 26 ADA PARKING AREA
- 27 2' WIDE STOP BAR

- SEE DTL 1/7.1
- SEE DTL 1/7.1
- SEE DTL 1/7.1
- SEE DTL 3/7.2
- SEE DTL 3/7.4
- SEE DTL 1/7.3



SCHEDULE II - MARKING PLAN



NOTE: IF BID ADDITIVES ARE AWARDED THAT INCREASE THE NUMBER OF INSTALLED CHARGING STATIONS, EACH ADDITIONAL CHARGING PARKING SPOT SHALL HAVE A "EV CHARGING ONLY" LEGEND AT THE BOTTOM OF THE SPACE. THE COST FOR THE MARKING SHALL BE INCLUDED IN THE BID ADDITIVE COST AND WILL NOT BE MEASURED SEPARATELY.



CALIFORNIA REDWOOD COAST
HUMBOLDT COUNTY AIRPORT
MCKINLEYVILLE, CA
PARKING LOT REHAB. PHASE 1

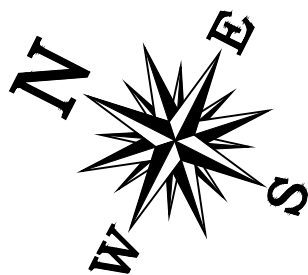
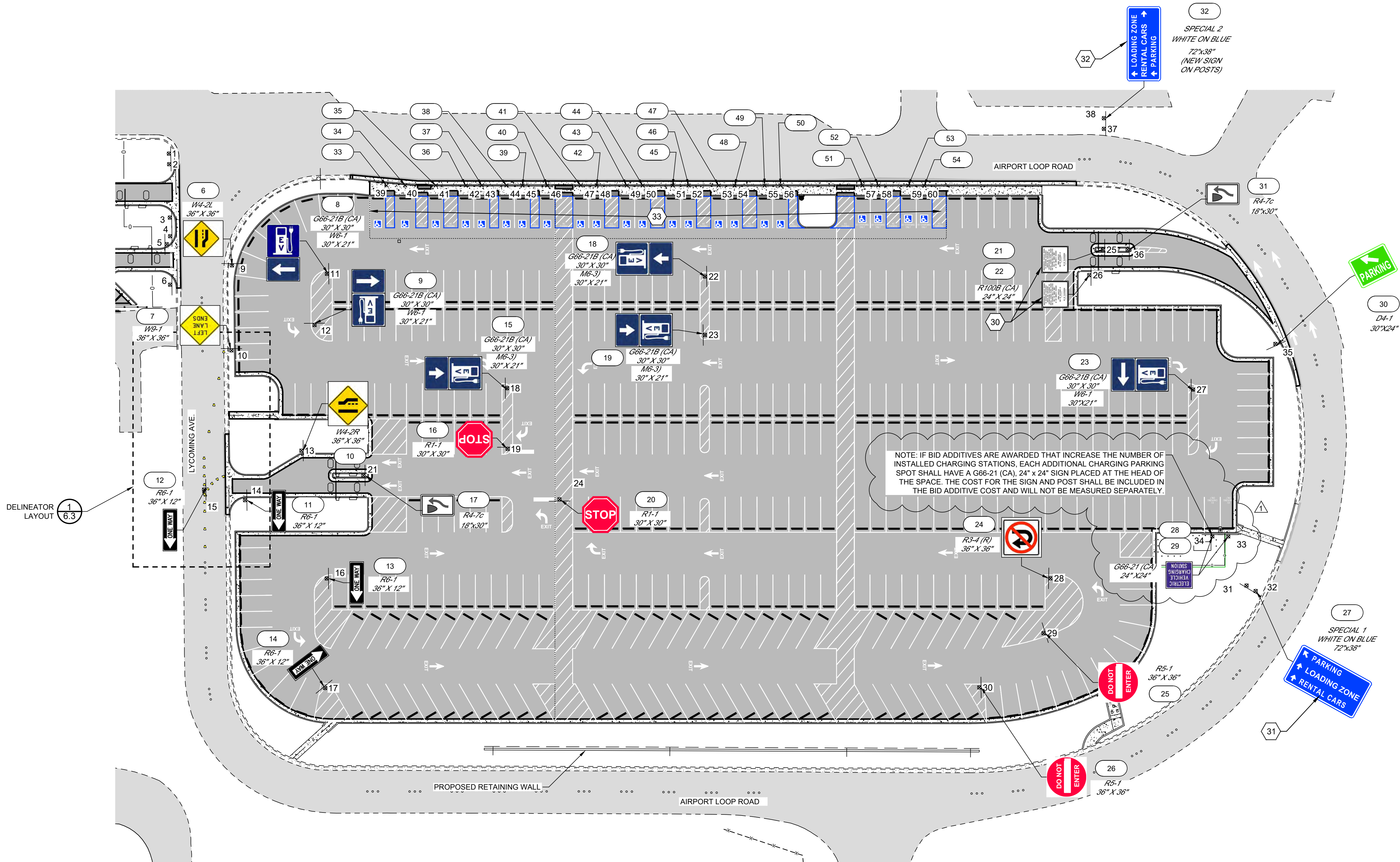
No.	Revision	Date	By
1	ADDENDUM 1	5/16/23	C.E.S.

ACI No. 226826
Date: 05/2023
File Name: 226826106

Drawn: CES/MLM
Checked: CES
Approved: CSN

MARKING PLAN

Sheet: 6.2



SCHEDULE II - SIGNAGE PLAN



CONSTRUCTION DETAILS

30	SIGN R100B (CA)	-SEE DTL 4 / 7.3
31	SIGN SPECIAL 1	-SEE DTL 1 / 7.4
32	SIGN SPECIAL 2	-SEE DTL 2 / 7.4
33	ADA PARKING SIGNS & LAYOUT	-SEE DTLS 1 - 3 / 7.3



CALIFORNIA REDWOOD COAST
HUMBOLDT COUNTY AIRPORT
MCKINLEYVILLE, CA
PARKING LOT REHAB. PHASE 1

No.	Revision	Date	By
1	ADDENDUM 1	5/16/23	C.E.S.

ACI No. 226826
Date: 05/2023
File Name: 226826106

Drawn: CES/MLM
Checked: CES
Approved: CSN

SIGNAGE
PLAN

S:_California\Arcata\Project Files\Active Projects\226826 ARCAT - CONSTRUCT PARKING LOT\CAD\dwg\226826106.dwg 5/11/2023 10:31:29 AM MMWNOE

SIGN NUMBER	POINT NUMBER	DESIGNATION	WIDTH	HEIGHT	AREA	NUMBER OF POSTS	POST HEGHT (INCH)	POST HEIGHT PER POST (FEET)	TOTAL POST LENGTH (FEET)	POST CENTER LOCATION	
			(INCH)	(INCH)	(SQ. FT.)					NORTHING	EASTING
SCHEDULE I											
1	1	E5-1 (RELOCATED)	72	60	30	2	168	14	28	2244137.77'	5979887.96'
	2	E5-1 (RELOCATED)								2244135.01'	5979882.63'
2	3	D4-1	30	24	5	1	132	11	11	2244121.48'	5979855.67'
3	4	R5-1	36	36	9	1	144	12	12	2244116.75'	5979846.26'
4	5	R1-1	30	30	6.25	1	138	11.5	11.5	2244116.54'	5979841.37'
5	6	R5-1	36	36	9	1	144	12	12	2244104.79'	5979821.63'
55	62	G66-21B	24	24	4	1	132	11	11	2244337.67'	5979768.44'
56	61	G66-21B	24	24	4	1	132	11	11	2244333.96'	5979760.79'
57	7	G66-21B	24	24	4	1	132	11	11	2244330.25'	5979753.15'
58	8	G66-21B	24	24	4	1	132	11	11	2244326.54'	5979745.50'
SCHEDULE II											
6	9	W4-2 (L)	36	36	9	1	150	12.5	12.5	2244078.08'	5979846.73'
7	10	W9-1	36	36	9	1	150	12.5	12.5	2244057.38'	5979803.36'
8	11	G66-21B	30	30	6.25	1	165	13.75	13.75	2244027.72'	5979865.91'
		W6-1	30	21	4.375						
9	12	G66-21B	30	30	6.25	1	159	13.25	13.25	2244021.37'	5979836.78'
		W6-1	30	21	4.375						
10	13	W4-2 (R)	36	36	9	1	144	12	12	2243997.03'	5979769.65'
11	14	R6-1	36	12	3	1	120	10	10	2244013.46'	5979730.55'
12	15	R6-1	36	12	3	1	120	10	10	2244037.24'	5979726.91'
13	16	R6-1	36	12	3	1	120	10	10	2243952.58'	5979710.92'
14	17	R6-1	36	12	3	1	120	10	10	2243926.32'	5979654.79'
15	18	G66-21B	30	30	6.25	1	159	13.25	13.25	2243907.84'	5979852.21'
		W6-3	30	21	4.375						
16	19	R1-1	30	30	6.25	1	138	11.5	11.5	2243892.51'	5979821.48'
17	21	R4-7c	18	30	3.75	1	138	11.5	11.5	2243959.45'	5979772.34'
18	22	G66-21B	30	30	6.25	1	159	13.25	13.25	2243834.76'	5979957.86'
		W6-3	30	21	4.375						
19	23	G66-21B	30	30	6.25	1	159	13.25	13.25	2243820.35'	5979928.17'
		W6-3	30	21	4.375						
20	24	R1-1	30	30	6.25	1	138	11.5	11.5	2243853.77'	5979808.64'
21	25	R100B	24	24	4	1	138	11.5	11.5	2243638.93'	5980059.79'
22	26	R100B	24	24	4	1	138	11.5	11.5	2243639.63'	5980053.51'
23	27	G66-21B	30	30	6.25	1	153	12.75	12.75	2243558.63'	5980020.94'
		W6-3(R)	30	18	3.75						
24	28	R3-4 (R)	36	36	9	1	132	11	11	2243584.50'	5979889.73'
25	29	R5-1	36	36	9	1	138	11.5	11.5	2243574.45'	5979860.15'
26	30	R5-1	36	36	9	1	138	11.5	11.5	2243593.73'	5979816.69'
27	31	SPECIAL 1 (B/W)	72	36	18	2	144	12	24	2243482.93'	5979934.52'
	32									2243476.96'	5979934.00'
28	33	3B-108	24	24	4	1	132	11	11	2243504.40'	5979955.01'
29	34	3B-108	24	24	4	1	132	11	11	2243512.50'	5979951.08'
30	35	D4-1	30	24	5	1	132	11	11	2243527.96'	5980084.54'
31	36	R4-7C	18	30	3.75	1	138	11.5	11.5	2243626.41'	5980075.90'
32	37	SPECIAL 2 (B/W)	72	36	18	2	144	12	24	2243668.31'	5980131.55'
	38									2243670.93'	5980136.95'

NOTE:
POINT NUMBER 20 HAS BEEN OMITTED.

SIGN NUMBER	POINT NUMBER	DESIGNATION	WIDTH	HEIGHT	AREA	NUMBER OF POSTS	POST HEGHT (INCH)	POST HEIGHT PER POST (FEET)	TOTAL POST LENGTH (FEET)	POST CENTER LOCATION	
			(INCH)	(INCH)	(SQ. FT.)					NORTHING	EASTING
33	39	R99	12	18	1.5	1	165	13.75	13.75	2244019.21'	5979925.55'
		R99B	12	9	0.75						
		R26(CA)	12	18	1.5						
34	40	R99 (VAN)	12	18	1.5	1	165	13.75	13.75	2244009.77'	5979930.13'
		R99B	12	9	0.75						
		R7-8B	12	6	0.5						
35	41	R99 (VAN)	12	18	1.5	1	165	13.75	13.75	2243994.18'	5979937.69'
		R99B	12	9	0.75						
		R7-8B	12	6	0.5						
36	42	R99 (VAN)	12	18	1.5	1	165	13.75	13.75	2243978.88'	5979945.12'
		R99B	12	9	0.75						
		R7-8B	12	6	0.5						
37	43	R99	12	18	1.5	1	135	11.25	11.25	2243970.79'	5979949.04'
		R99B	12	9	0.75						
38	44	R99	12	18	1.5	1	135	11.25	11.25	2243958.22'	5979955.20'
		R99B	12	9	0.75						
39		R99	12	18	1.5	1	135	11.25	11.25	2243950.09'	5979959.08'
		R99B	12	9	0.75						
40	46	R99 (VAN)	12	18	1.5	1	165	13.75	13.75	2243937.50'	5979965.20'
		R99B	12	9	0.75						
		R7-8B	12	6	0.5						
41	47	R99 (VAN)	12	18	1.5	1	165	13.75	13.75	2243920.40'	5979973.49'
		R99B	12	9	0.75						
		R7-8B	12	6	0.5						
42	48	R99 (VAN)	12	18	1.5	1	165	13.75	13.75	2243912.32'	5979977.41'
		R99B	12	9	0.75						
		R7-8B	12	6	0.5						
43	49	R99 (VAN)	12	18	1.5	1	165	13.75	13.75	2243897.02'	5979984.83'
		R26(CA)	12	9	0.75						
		R7-8B	12	6	0.5						
44	50	R99 (VAN)	12	18	1.5	1	165	13.75	13.75	2243888.93'	5979988.76'
		R99B	12	9	0.75						
		R7-8B	12	6	0.5						
45	51	R99 (VAN)	12	18	1.5	1	165	13.75	13.75	2243873.63'	5979996.18'
		R99B	12	9	0.75						
		R7-8B	12	6	0.5						
46	52	R99 (VAN)	12	18	1.5	1	165	13.75	13.75	2243865.54'	5980000.11'
		R99B	12	9	0.75						
		R7-8B	12	6	0.5						
47	53	R99 (VAN)	12	18	1.5	1	165	13.75	13.75	2243850.24'	5980007.53'
		R99B	12	9	0.75						
		R26(CA)	12	6	0.5						
48	54	R99 (VAN)	12	18	1.5	1	165	13.75	13.75	2243842.14'	5980011.46'
		R99B	12	9	0.75						
		R7-8B	12	6	0.5						
49	55	R99 (VAN)	12	18	1.5	1	165	13.75	13.75	2243826.85'	5980018.88'
		R99B	12	9	0.75						
		R7-8B	12	6	0.5						
50	56	R99	12	18	1.5	1	135	11.25	11.25	2243818.75'	5980022.81'
		R99B	12	9	0.75						
51	57	R99 (VAN)	12	18	1.5	1	165	13.75	13.75	2243777.15'	5980042.99'
		R99B	12	9	0.75						
		R7-8B	12	6	0.5						
52	58	R99 (VAN)	12	18	1.5	1	165	13.75	13.75	2243769.06'	5980046.92'
		R99B	12	9	0.75						
		R7-8B	12	6	0.5						
53	59	R99 (VAN)	12	18	1.5	1	165	13.75	13.75	2243753.76'	5980054.34'
		R99B	12	9	0.75						
		R7-8B	12	6	0.5						
54	60	R99	12	18	1.5	1	135	11.25	11.25	2243745.66'	5980058.27'
		R99B	12	9	0.75						
		R26(CA)	12	9	0.75						



CALIFORNIA REDWOOD COAST
HUMBOLDT COUNTY AIRPORT
MCKINLEYVILLE, CA
PARKING LOT REHAB. PHASE 1

No.	Revision	Date	By

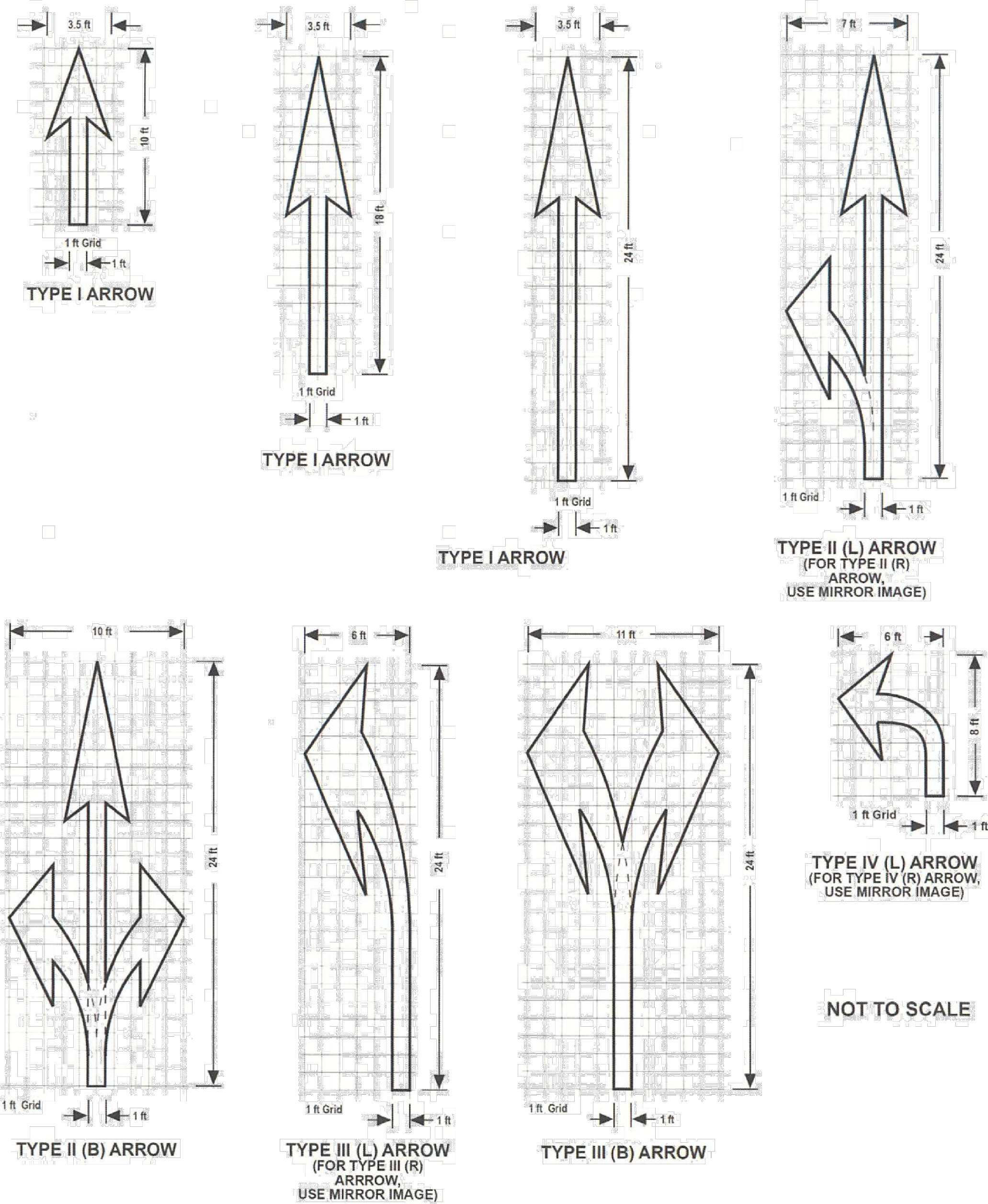
ACI No. 226826
Date: 05/2023
File Name: 226826106

Drawn: CES/MLM
Checked: CES
Approved: CSN

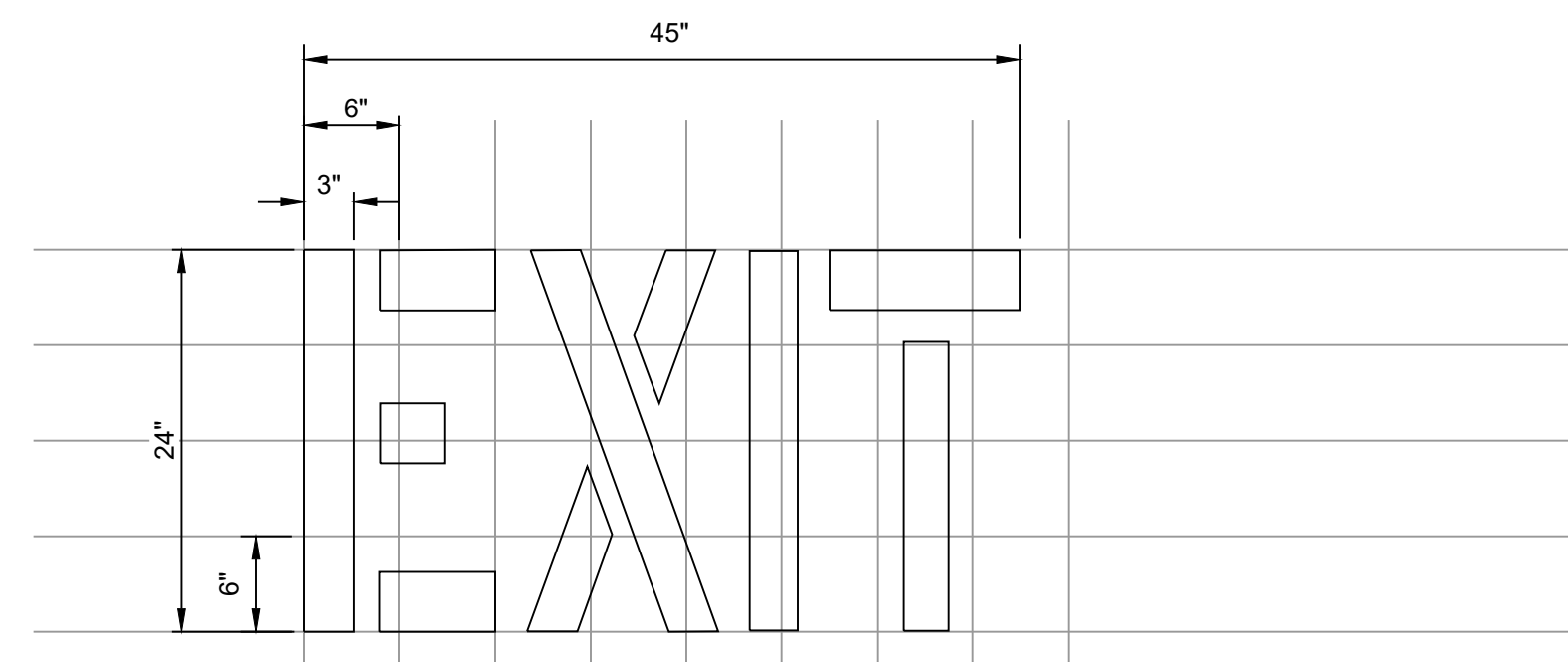
SIGNAGE
PLAN

Sheet: 6.5

Figure 3B-24 (CA). Examples of Standard Arrows for Pavement Markings (Sheet 1 of 8)

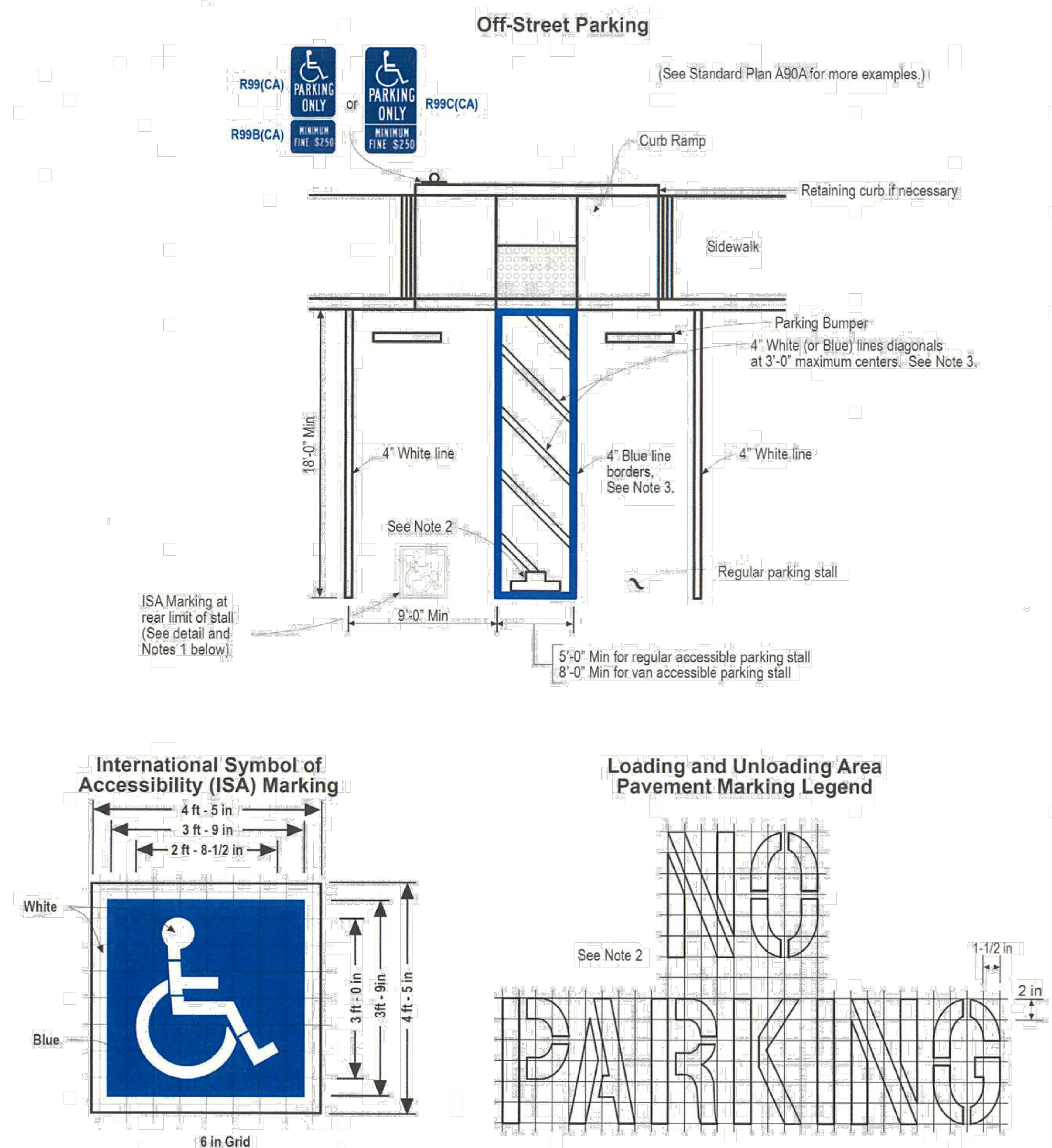


NOTE: The design details for various arrows are also shown in Department of Transportation's Standard Plans.



1 PAVEMENT ARROWS AND MARKINGS

Figure 3B-22 (CA). Examples of Disabled Persons Parking Symbol, Legend and Related Markings (Sheet 1 of 2)



NOTES:

1. The design details for this symbol, legends, and related markings are shown in the Department of Transportation's Standard Plans. See Standard Plan A24C for square unit area for the ISA marking.
2. The words "NO PARKING" shall be painted in the loading and unloading area in white letters no less than 12 in high on a contrasting background and located so that it is visible to traffic enforcement officials. See Standard Plan A24E for square unit area for "NO PARKING" legend.
3. Loading and unloading area border shall be marked in blue paint. The hatched lines shall be painted a suitable contrasting color to the parking space. Blue or white paint is preferred.

2 NO PARKING CALTRANS A24E
7.1 NOT TO SCALE



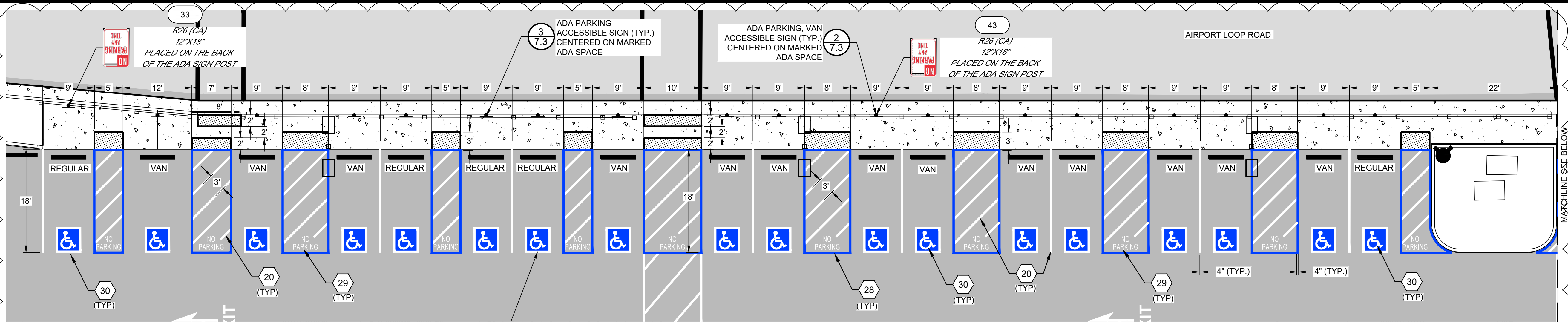
No.	Revision	Date	By
			C.E.S.

ACI No. 226826
Date: 05/2023
File Name: 226826107

Drawn: CES/MLM
Checked: CES
Approved: CSN

MARKING & SIGNAGE DETAILS

S:\California\Arcata\Project Files\Active Projects\226826 ARCAT - CONSTRUCT PARKING LOT\CAD\dwg\226826107.dwg 5/19/2023 11:27:44 AM MMONROE

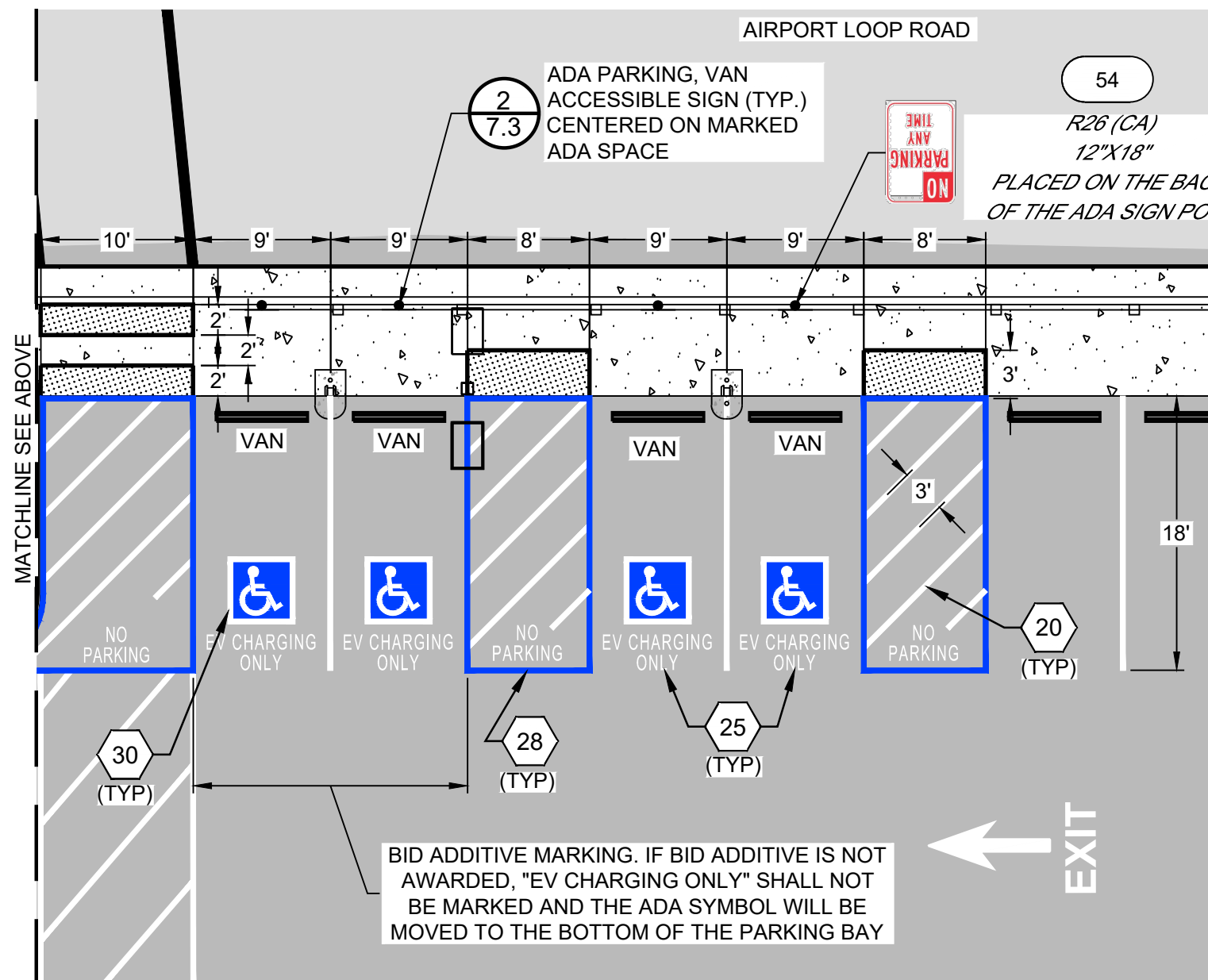


INTERNATIONAL SYMBOL OF ACCESSIBILITY PARKING SPACE MARKING WITH BLUE BACKGROUND AND WHITE BORDER. MINIMUM/STANDARD SIZE. -PER CURRENT CALIFORNIA MUTCD REQUIREMENTS, FIGURE 3B-22 (CA)

GENERAL NOTES

- ALL DIMENSIONS SHOWN ARE TO THE CENTER OF PAINTED MARKING.
- ADA PARKING BAYS AND ACCESSIBLE ROUTES SHALL HAVE A MAXIMUM SLOPE OF 2% IN ALL DIRECTIONS.
- ROAD NAMES ARE FOR REFERENCE, DO NOT MARK.

1 ADA PARKING LAYOUT 7.1 NOT TO SCALE



1 ADA PARKING LAYOUT 7.1 NOT TO SCALE

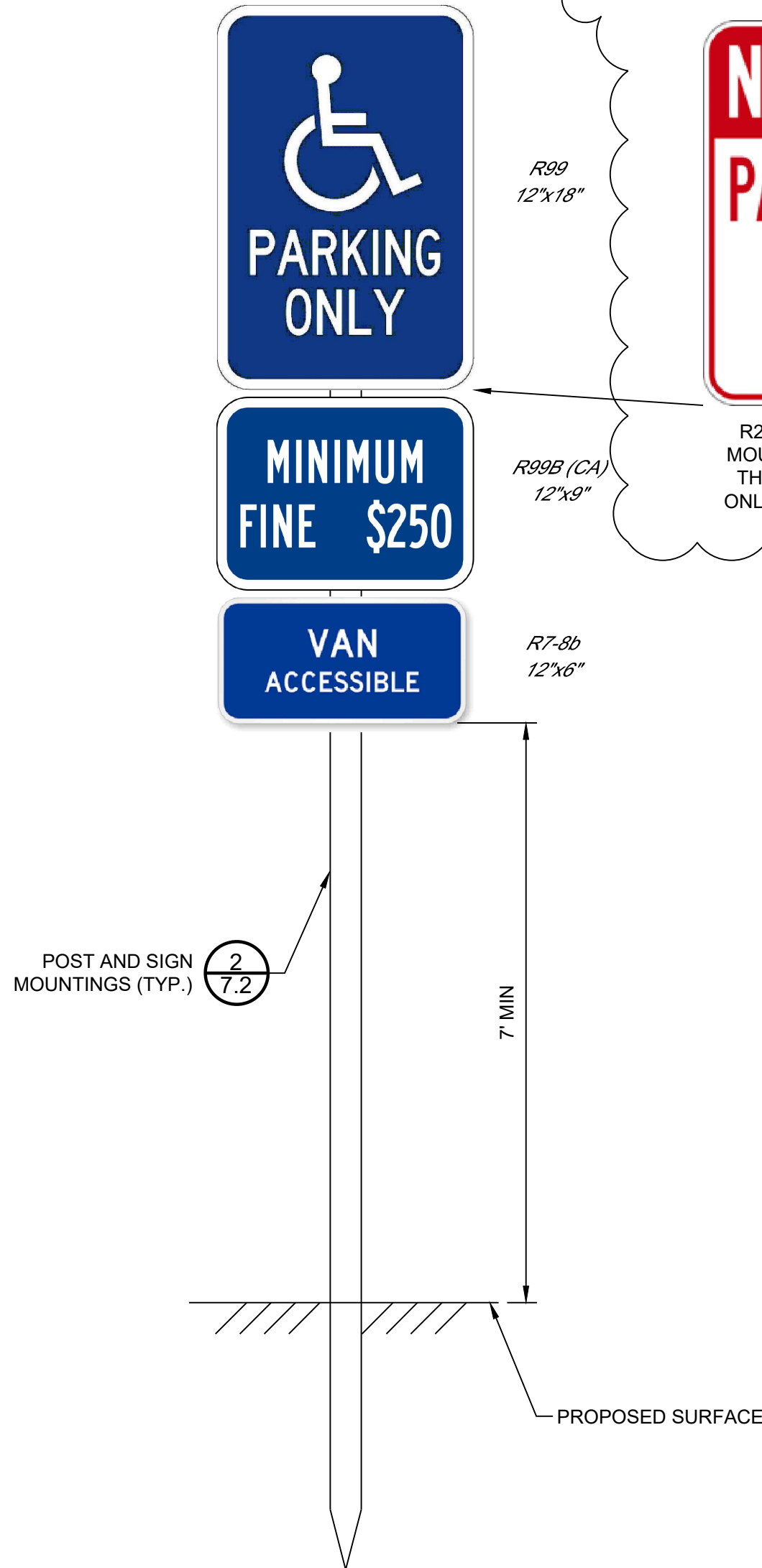
CONSTRUCTION DETAILS

- 20 4" WIDE WHITE PAINT STRIPE
- 25 EV CHARGING ONLY LEGEND
- 28 4" WIDE BLUE PAINT STRIPE
- 29 NO PARKING LEGEND
- 30 INTERNATIONAL SYMBOL OF ACCESSIBILITY MARKING

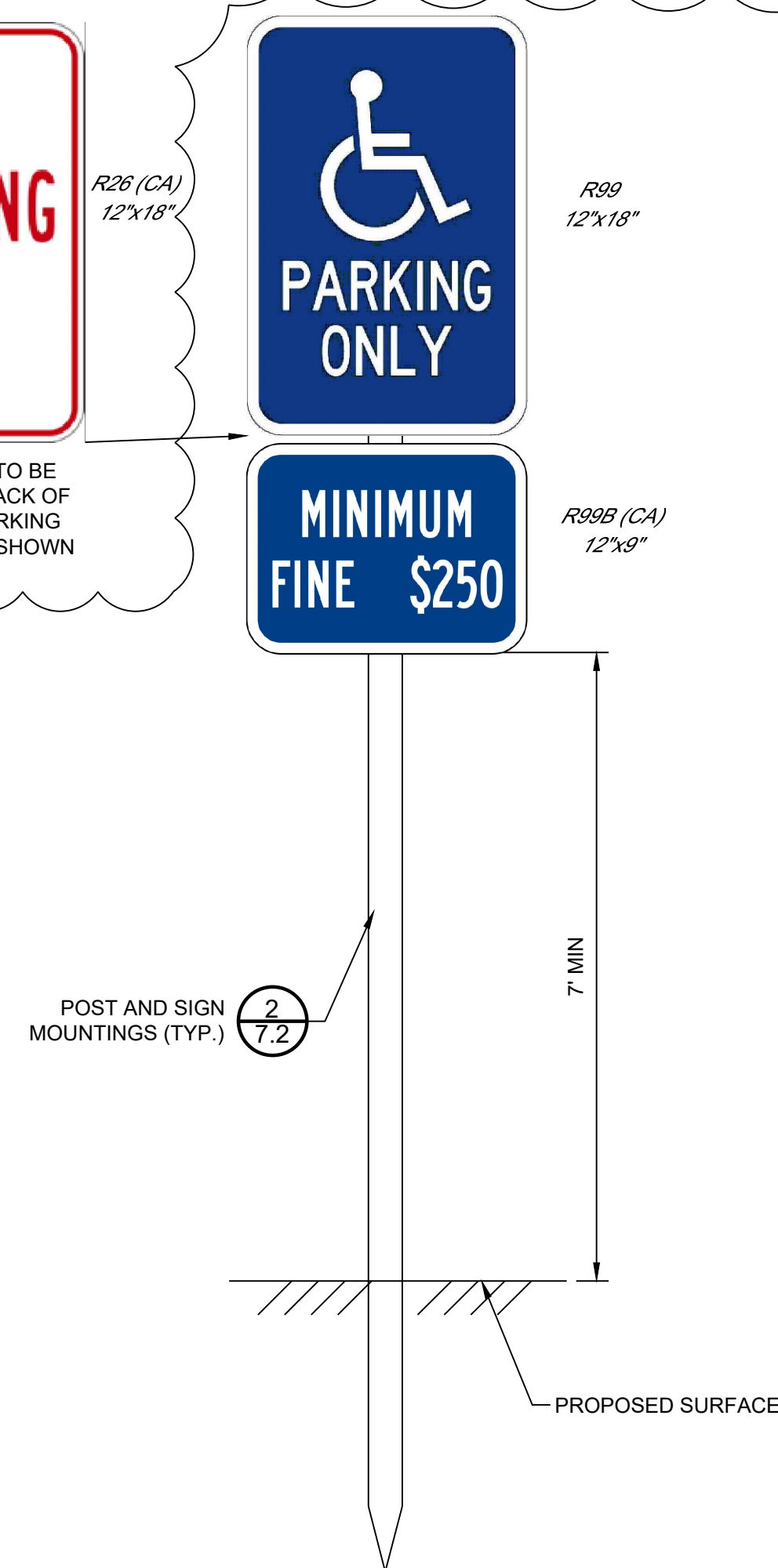
-SEE DTL 3/7.4

-SEE DTL 2/7.1

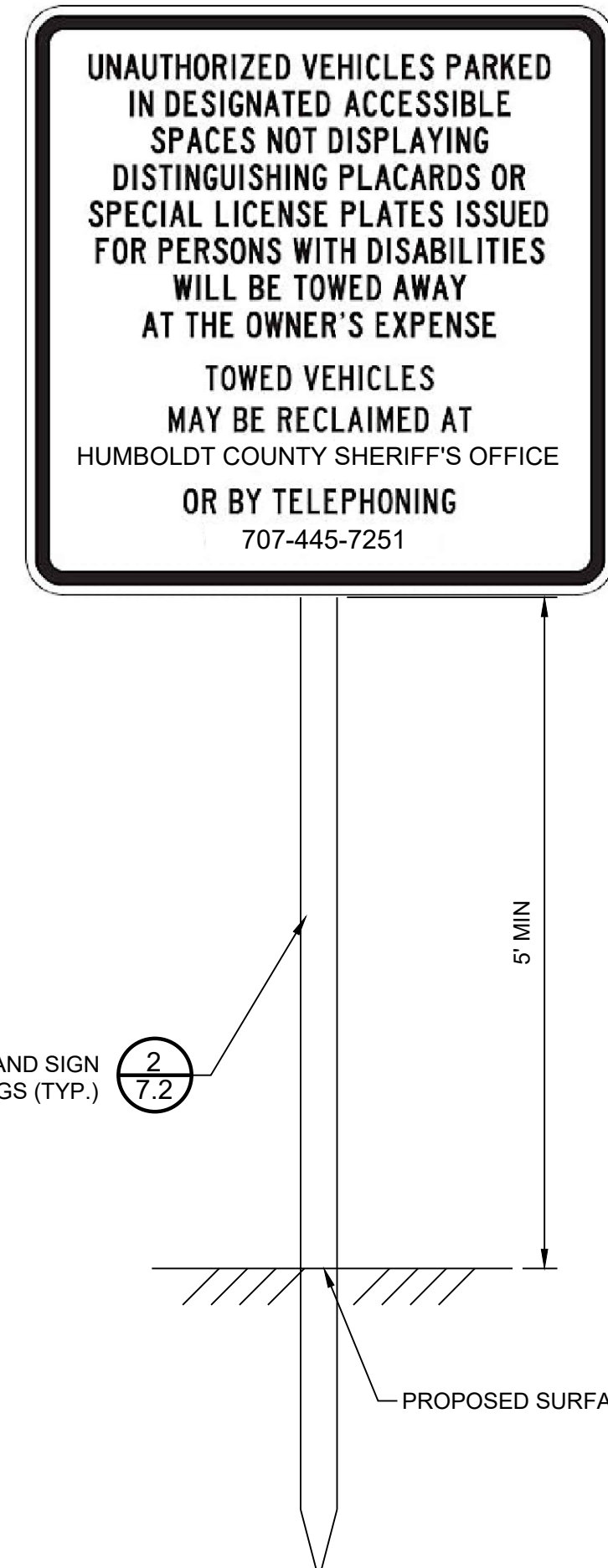
-SEE DTL 2/7.1



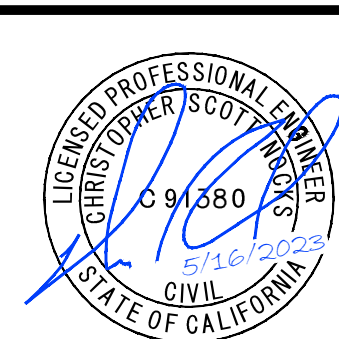
2 ADA PARKING-VAN ACCESSIBLE SIGN 7.3 NOT TO SCALE



3 ADA PARKING SIGN 7.3 NOT TO SCALE



4 ADA PARKING TOW-AWAY SIGN 7.3 NOT TO SCALE



CALIFORNIA REDWOOD COAST
HUMBOLDT COUNTY AIRPORT
MCKINLEYVILLE, CA
PARKING LOT REHAB. PHASE 1

No.	Revision	Date	By
1	ADDENDUM 1	5/16/23	C.E.S.

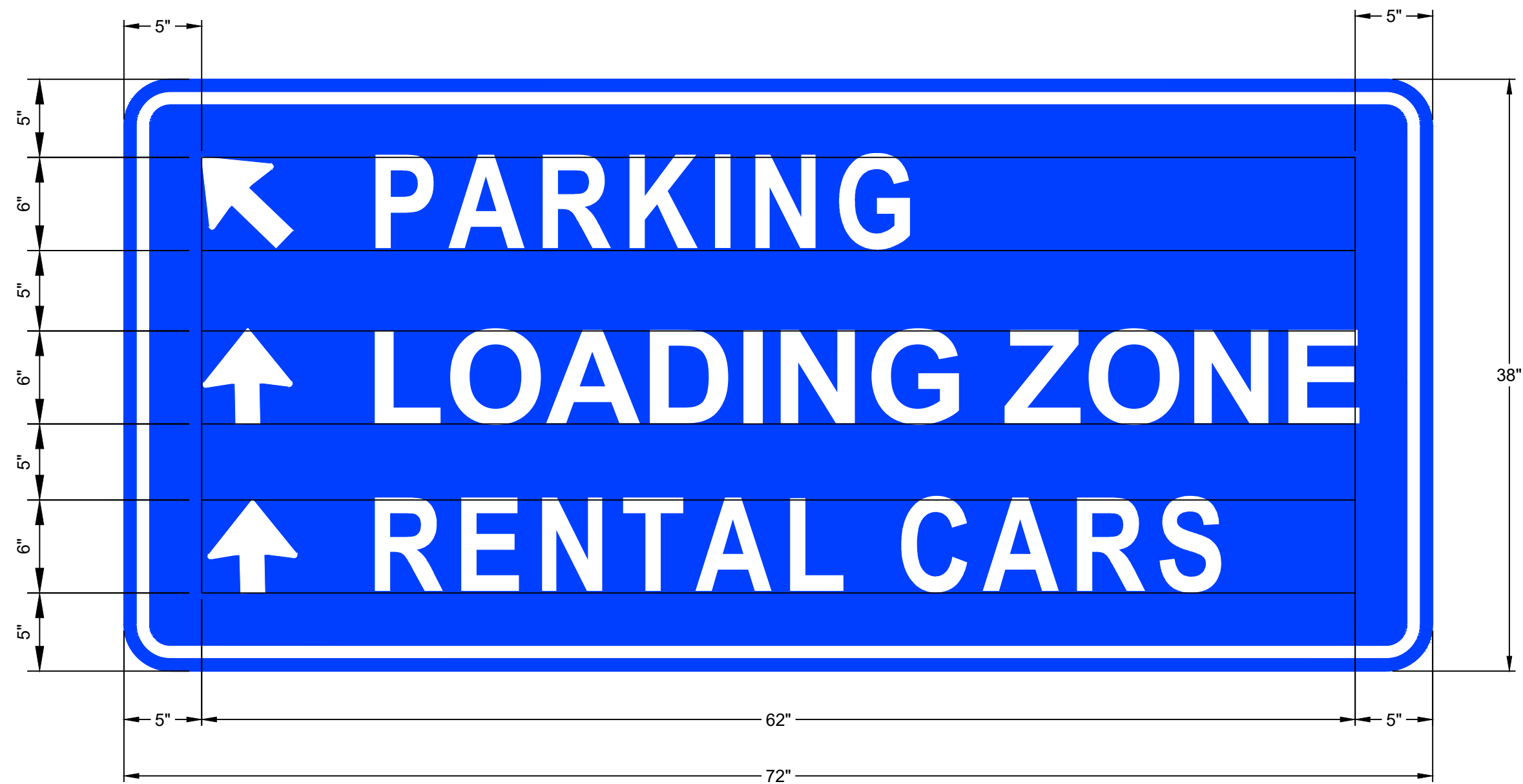
ACI No. 226826
Date: 05/2023
File Name: 226826107

Drawn: CES/MLM
Checked: CES
Approved: CSN

MARKING AND
SIGNAGE
DETAILS

Sheet: 7.3

S:\California\Arcata\Project Files\Active Projects\226826 ARCAT - CONSTRUCT PARKING LOT\CAD\dwg\226826107.dwg 5/17/2023 9:55:45 AM CSTERN

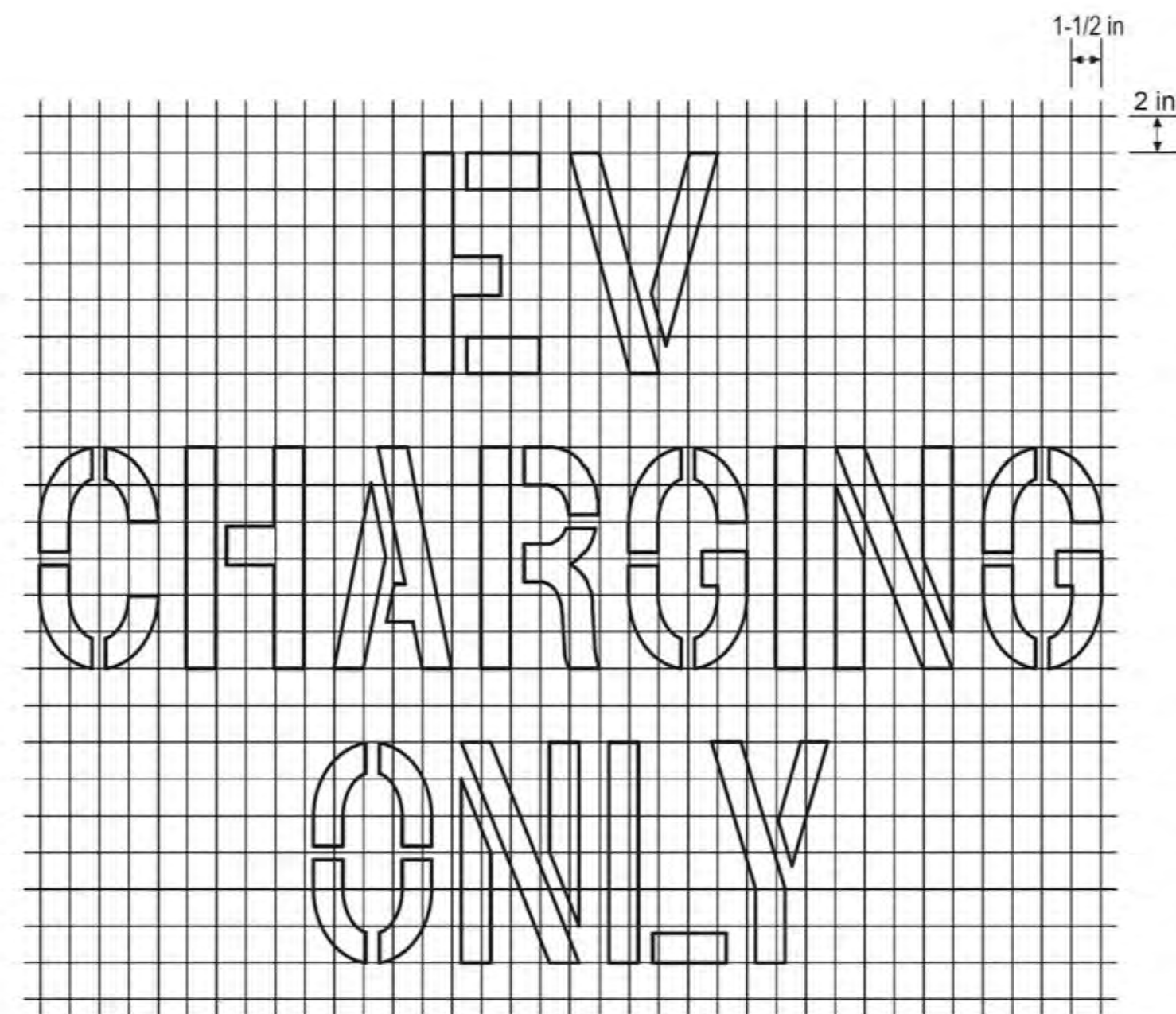


1 SPECIAL 1 SIGN
7.4 NOT TO SCALE

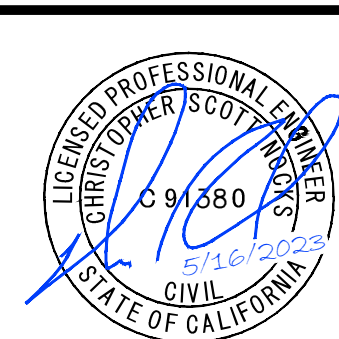


2 SPECIAL 2 SIGN
7.4 NOT TO SCALE

Figure 3B-108 (CA). Electric Vehicle Charging Station Pavement Marking Detail



3 EV CHARGING ONLY MARKING
7.4 NOT TO SCALE



No.	Revision	Date	By
1	ADDENDUM 1	5/16/23	C.E.S.

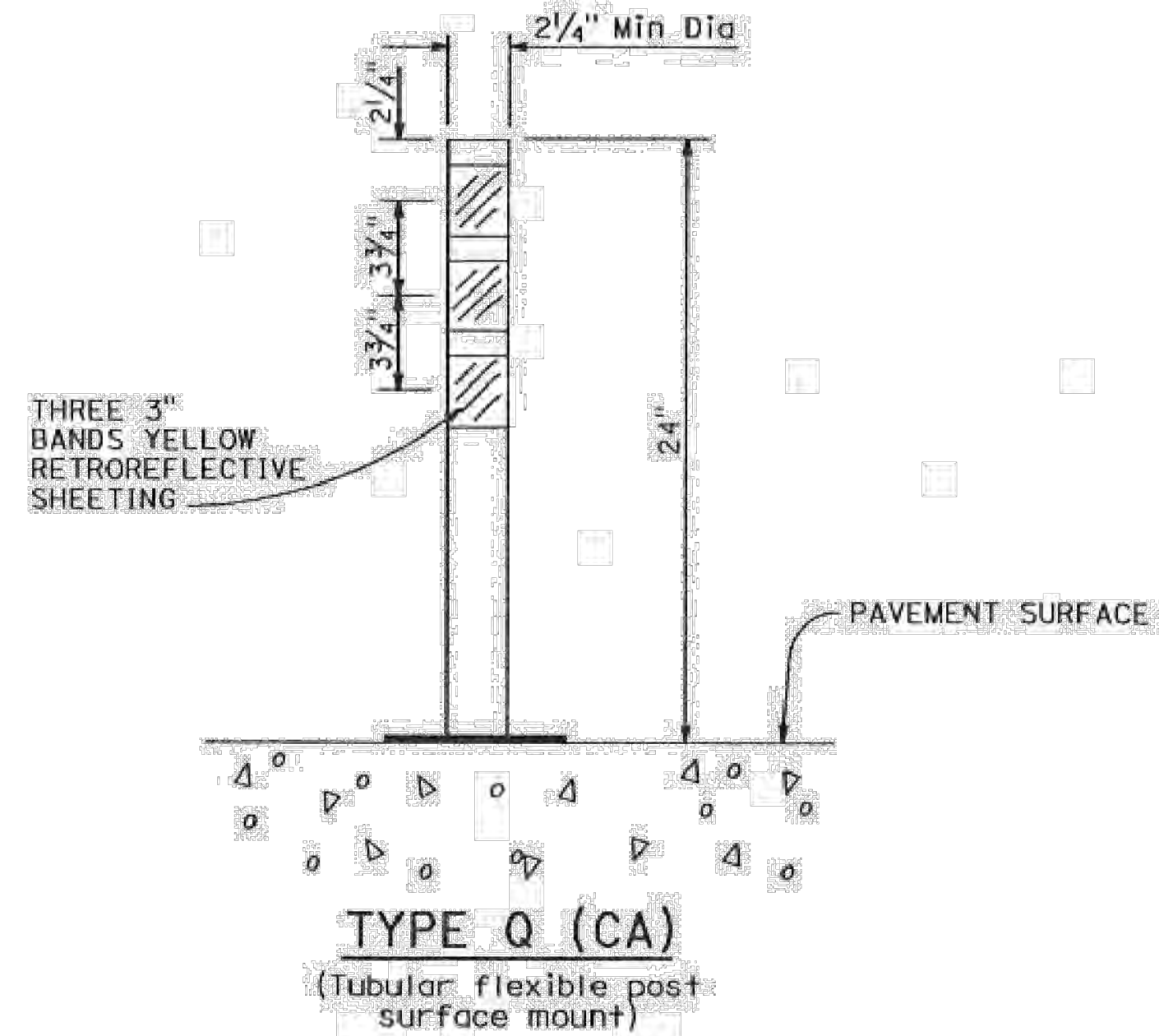
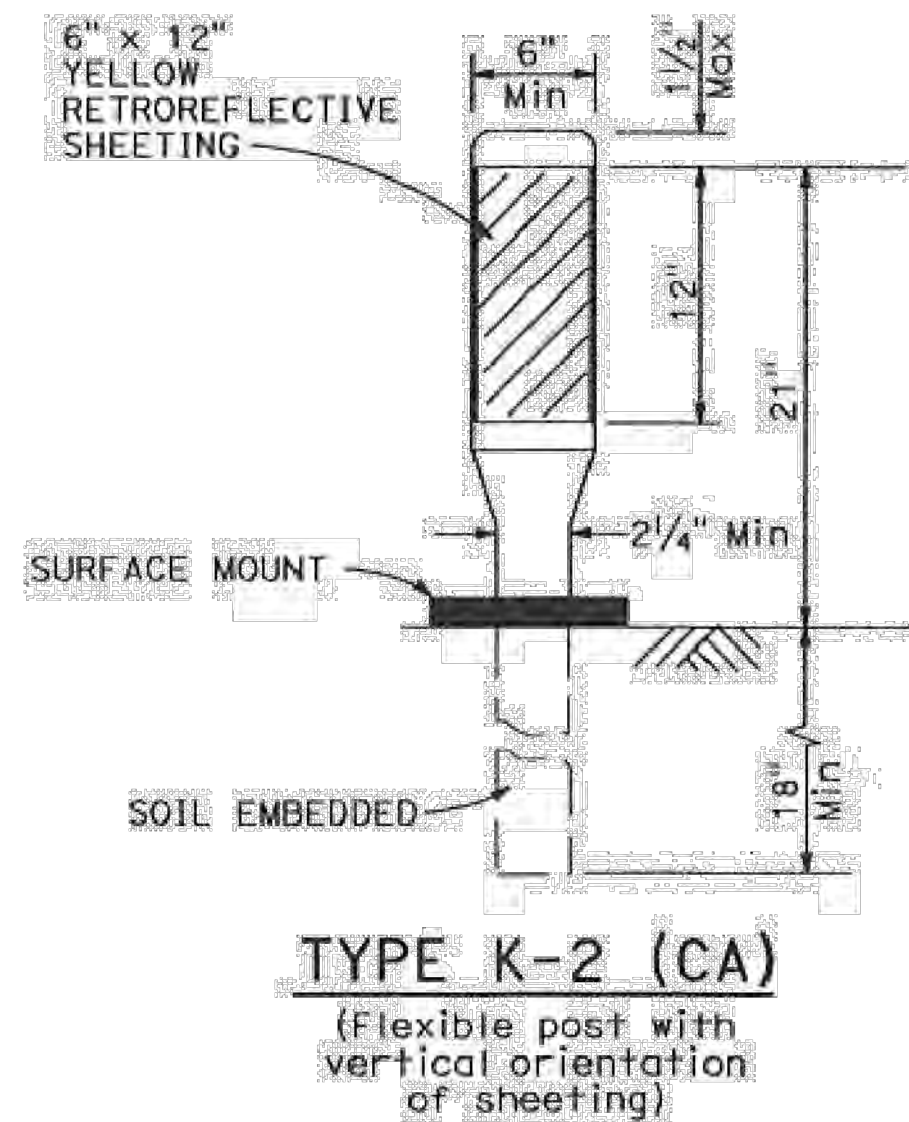
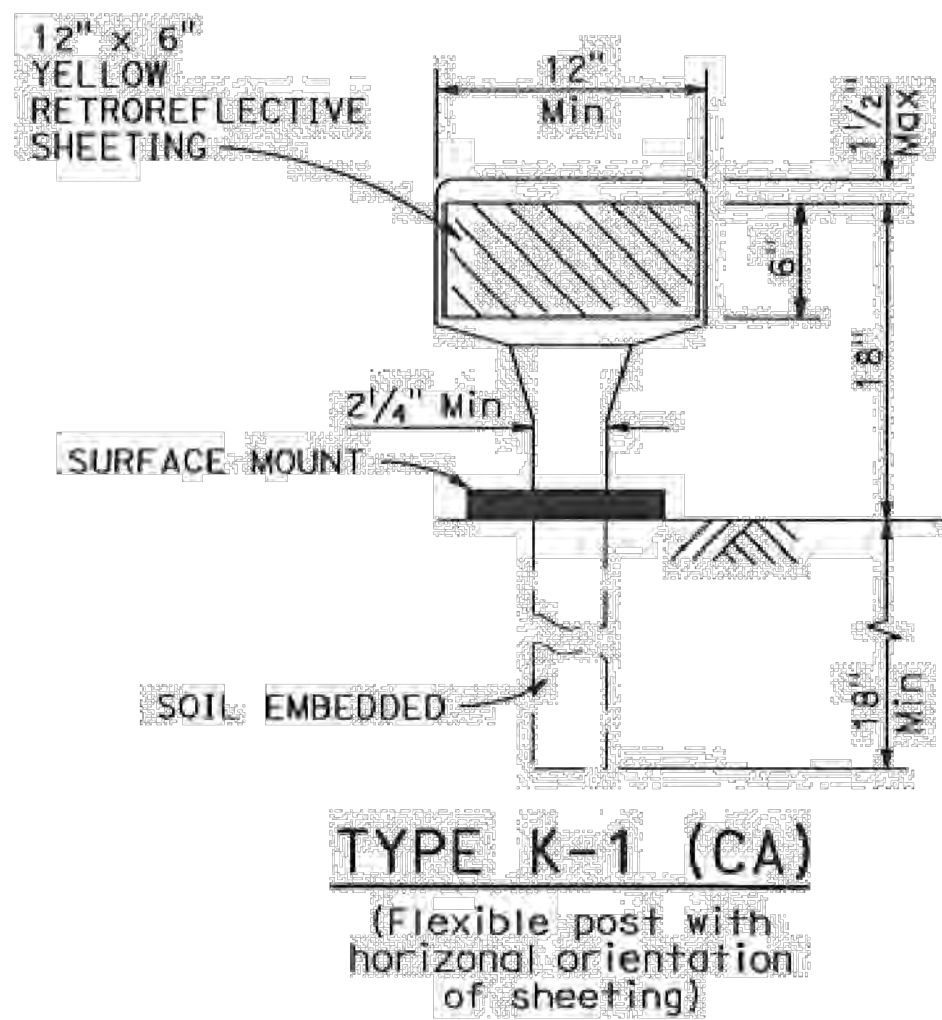
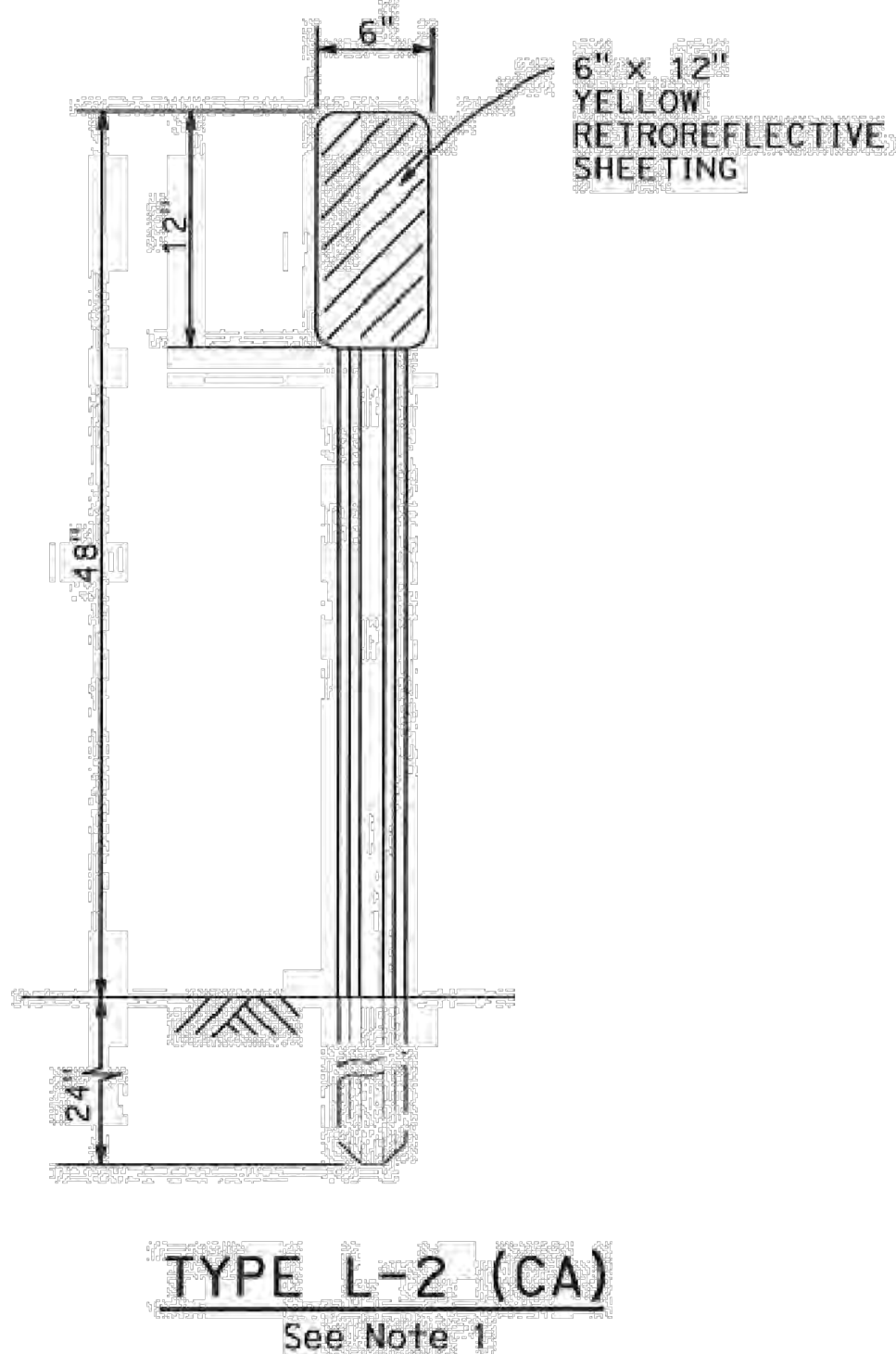
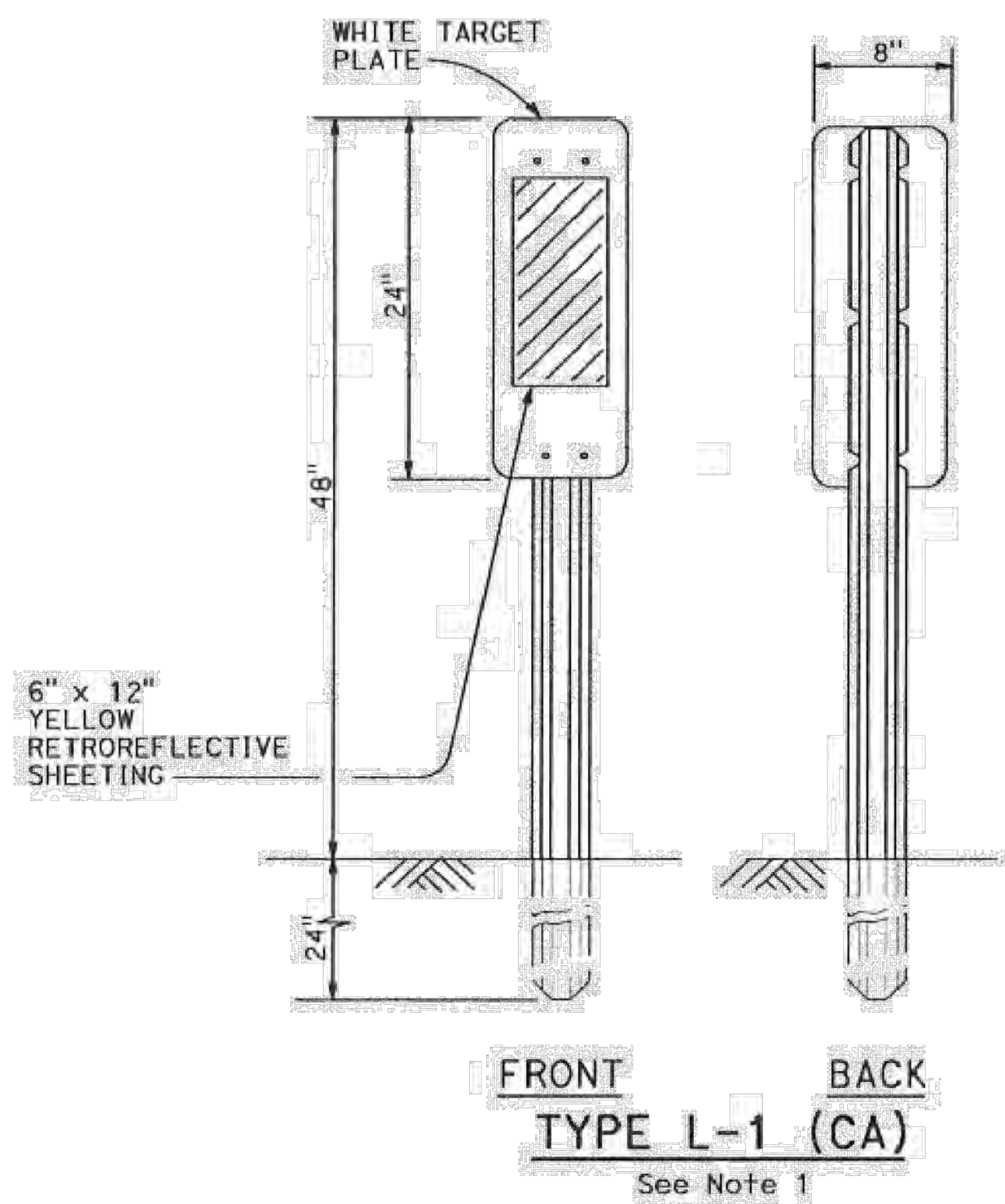
ACI No. 226826
Date: 05/2023
File Name: 226826107

Drawn: CES/MLM
Checked: CES
Approved: CSN

MARKING AND
SIGNAGE
DETAILS

S:\California\Arcata\Project Files\Active Projects\ARCATA - CONSTRUCT PARKING LOT\CAD\dwg\226826107.dwg 5/11/2023 3:01:22 AM MMONROE

44



NOTE:
1. See Standard Plan A738 for metal post details and additional markers.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
OBJECT MARKERS
NO SCALE

A73A

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER
August 1, 2022
PLANS APPROVAL DATE
THE STATE OF CALIFORNIA OR ITS OFFICERS
OR AGENTS SHALL NOT BE RESPONSIBLE FOR
THE ACCURACY OR COMPLETENESS OF SCANNED
COPIES OF THIS PLAN SHEET.

REGISTERED PROFESSIONAL ENGINEER
Shangjia Horn
No. C51846
Exp. 6-30-24
CIVIL
STATE OF CALIFORNIA

2022 STANDARD PLAN A73A

CALIFORNIA REDWOOD COAST
HUMBOLDT COUNTY AIRPORT
MCKINLEYVILLE, CA
PARKING LOT REHAB. PHASE 1

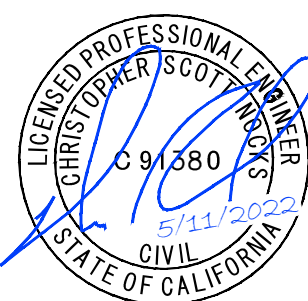
No.	Revision	Date	By

ACI No. 226826
Date: 05/2023
File Name: 226826107

Drawn: CES/MLM
Checked: CES
Approved: CSN

MARKING AND
SIGNAGE
DETAILS

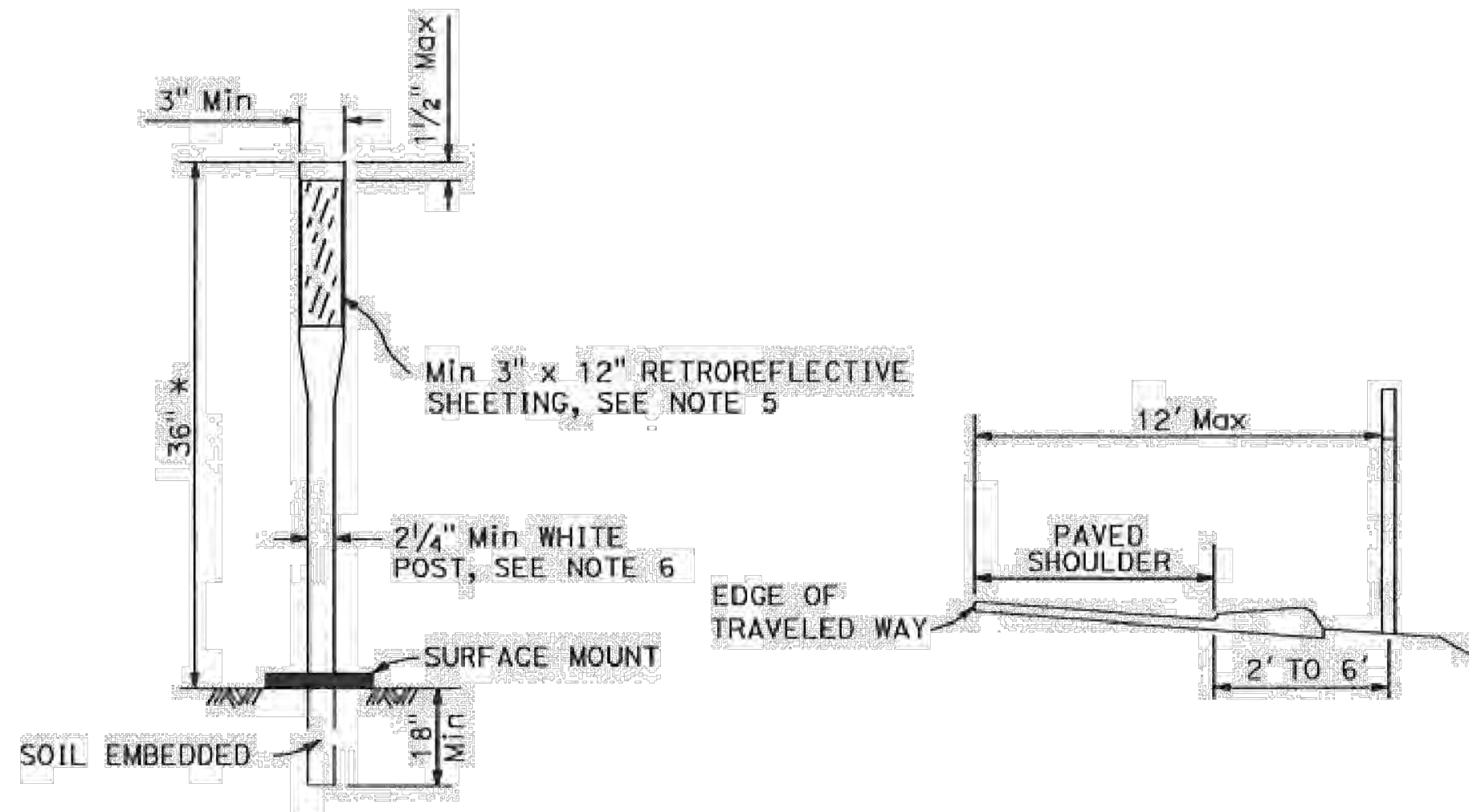
Sheet: 7.5



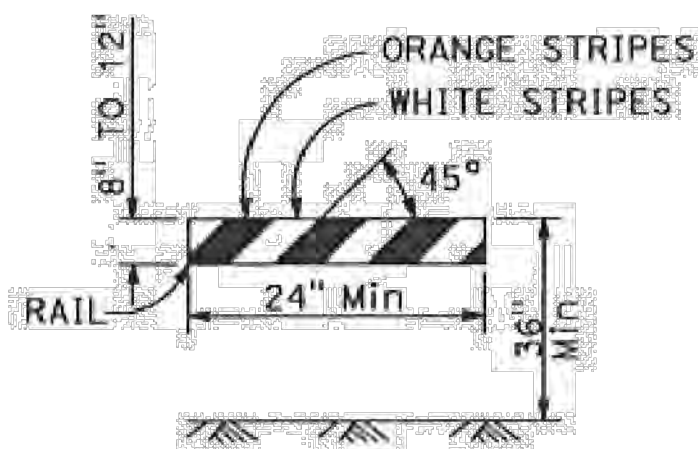
ARMSTRONG
A LOCHNER COMPANY

S:\California\Arcata\Project Files\Active Projects\226826 ARCAT - CONSTRUCT PARKING LOT\CAD\dwg\226826107.dwg 5/11/2023 9:01:22 AM MMONROE

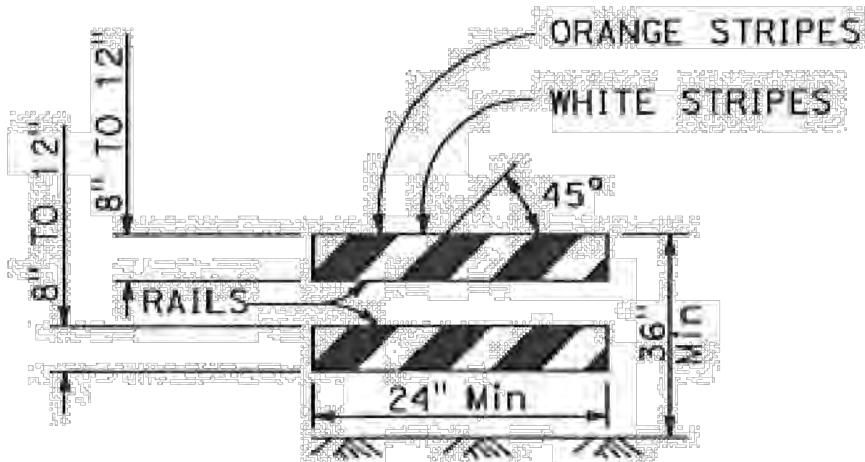
46



* 36" Min where speeds are 40 miles/h or less.
CHANNELIZERS



TYPE I BARRICADE
See Note A



TYPE II BARRICADE

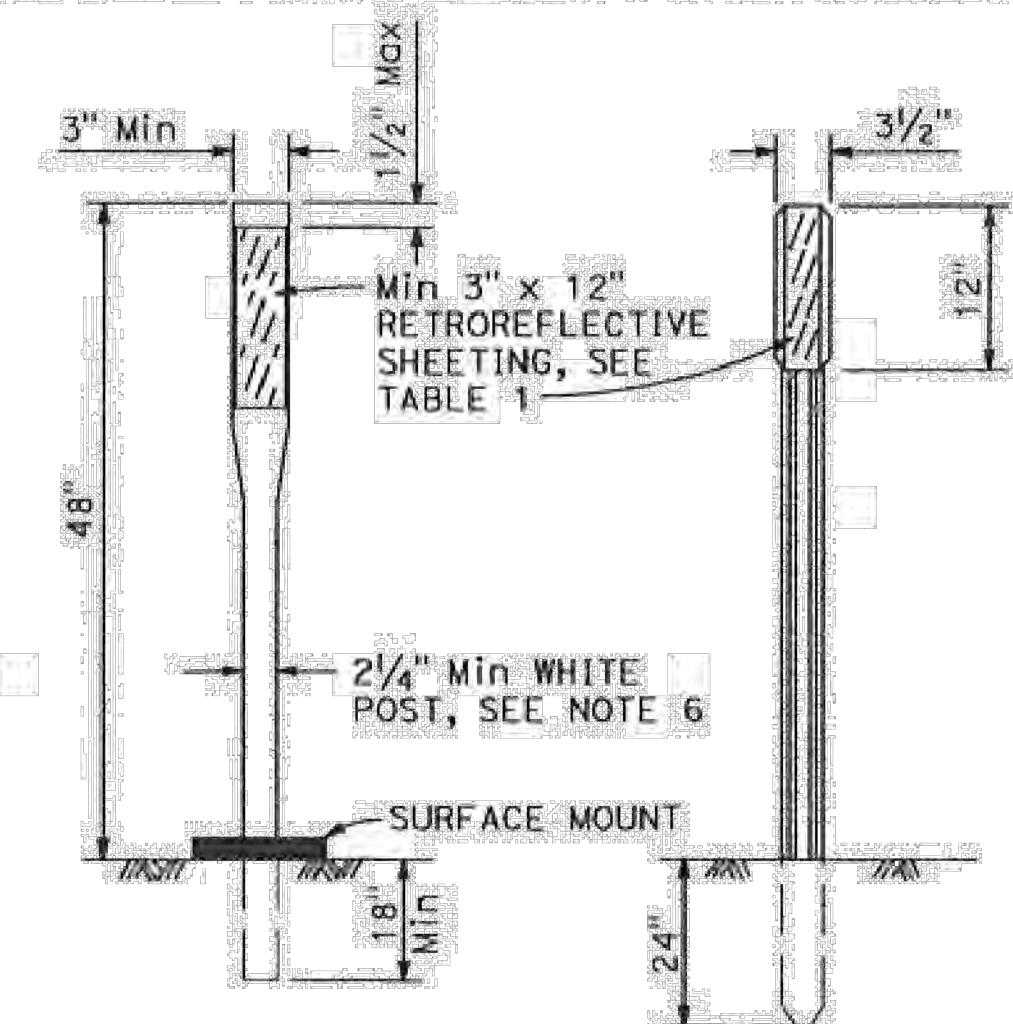
BARRICADES (See Note 3)
Only face of rails shown. Barricade construction materials and supports as specified in the specifications.

TABLE 2 - BARRICADES			
BARRICADE	TYPE I	TYPE II	TYPE III
WIDTH OF RAIL	8" Min - 12" Max *	8" Min - 12" Max *	8" Min - 12" Max *
LENGTH OF RAIL	24" Min	24" Min	48" Min
WIDTH OF STRIPES * *	6"	6"	6"
HEIGHT	36" Min	36" Min	60" Min
NUMBER OF RETROREFLECTIVE RAIL FACES	2 (ONE EACH DIRECTION)	4 (TWO EACH DIRECTION)	3 IF FACING TRAFFIC IN ONE DIRECTION 6 IF FACING TRAFFIC IN TWO DIRECTION

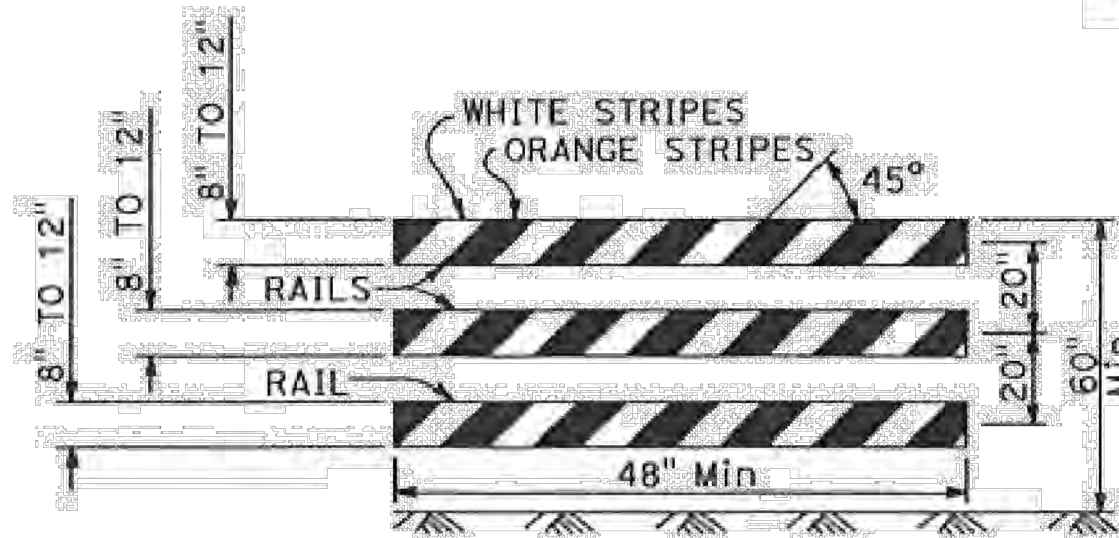
* For the wooden option dimensions are nominal lumber dimensions.
* * For rails less than 36" long, 4" wide stripes shall be used.

NOTE A:

Barricades to have a minimum of 270 square inches of retroreflective area facing traffic when used on freeways, expressways, and other high speed highways.



CLASS 1 FLEXIBLE POST
CLASS 2 METAL POST
See Note 4



TYPE III BARRICADE

TABLE 1 - DELINEATORS		
TYPE	RETROREFLECTIVE SHEETING	
	FRONT	BACK
E	WHITE	WHITE (SEE NOTE 1)
F	WHITE	NONE
G	YELLOW	NONE
J	RED	NONE

NOTES:

- The retroreflective sheeting used on the back of delineator shall be a minimum size of 3" x 3".
- The type of delineator to be installed will be designated on the plans.
- All barricade stripes shall be retroreflective and sloped downward in the direction of the opened traffic lane.
- See Standard Plan A73B for Metal Post Details.
- Unless shown otherwise on the plans, or as directed by the Engineer, the color of the retroreflective sheeting for permanent channelizers shall conform to the color of the pavement markings it supplements.
- Except, Class 1 (Flexible Post) temporary delineators and temporary channelizers in work zones shall be orange post with white retroreflective sheeting.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**DELINEATORS, CHANNELIZERS
AND BARRICADES**

NO SCALE

A73C

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
Lee J. Hober REGISTERED CIVIL ENGINEER					
August 1, 2022 PLANS APPROVAL DATE					
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					
Lee J. Hober REGISTERED PROFESSIONAL ENGINEER No. C49132 Exp. 9-30-22 CIVIL STATE OF CALIFORNIA					

2022 STANDARD PLAN A73C

CALIFORNIA REDWOOD COAST
HUMBOLDT COUNTY AIRPORT
MCKINLEYVILLE, CA
PARKING LOT REHAB. PHASE 1

No.	Revision	Date	By

ACI No. 226826
Date: 05/2023
File Name: 226826107

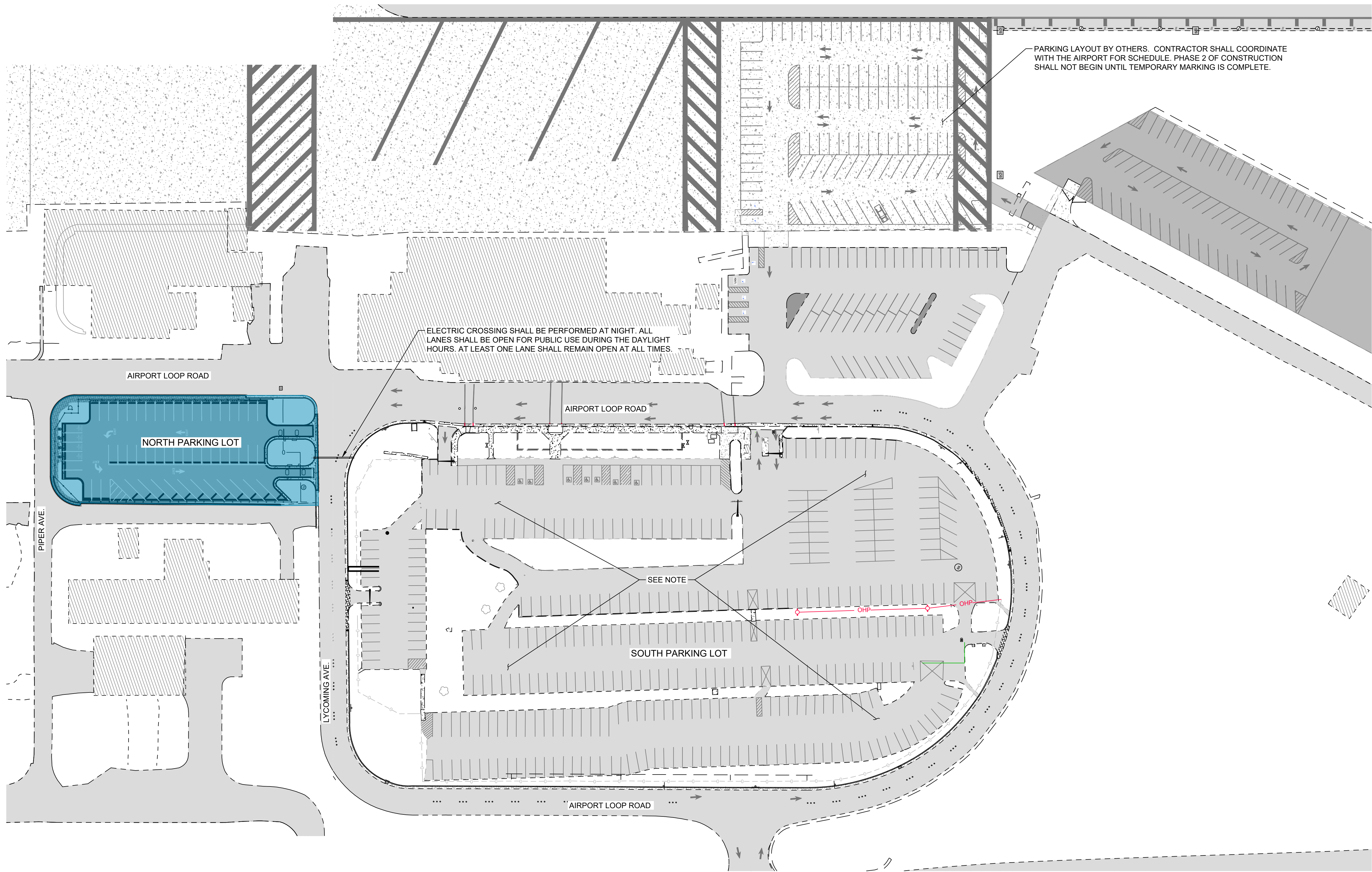
Drawn: CES/MLM
Checked: CES
Approved: CSN

MARKING AND
SIGNAGE
DETAILS

Sheet: 7.6



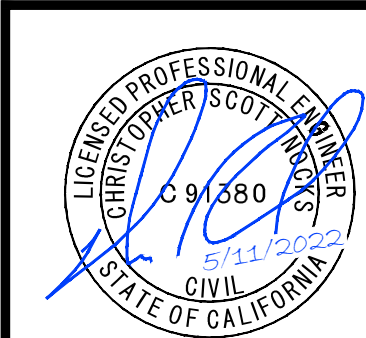
S:\California\Arcata\Project Files\Active Projects\226826 ARCAT - CONSTRUCT PARKING LOT\CAD\dwg\226826108.dwg 5/9/2023 4:21:20 PM MMONROE



LEGEND

PHASE 1 FULL REMOVALS AND CONSTRUCTION

- NOTE:
- CONTRACTOR SHALL BE ALLOWED IN SOUTH PARKING AREA WITH TEMPORARY PARKING SPACE CLOSURES. AT NO TIME SHALL MORE THAN 15 PARKING SPACES BE CLOSED AT A TIME. THESE INTERIM CLOSURES MAY BE USED FOR TREE REMOVALS AND UNDERGROUND FACILITY INSTALLATION. IF TRENCHING IS CONDUCTED IN PAVED AREAS, AN ASPHALT PATCH SHALL BE PLACED PRIOR TO RE-OPENING SPACES.
 - THIS PLAN IS A RECOMMENDED PHASING BOUNDARY. THE CONTRACTOR MAY REVISE. ALTERNATIVES SHALL MAINTAIN THE INTENT OF THIS PLAN AND SHALL BE APPROVED PRIOR TO USE.



CALIFORNIA REDWOOD COAST
HUMBOLDT COUNTY AIRPORT
MCKINLEYVILLE, CA
PARKING LOT REHAB. PHASE 1

No.	Revision	Date	By

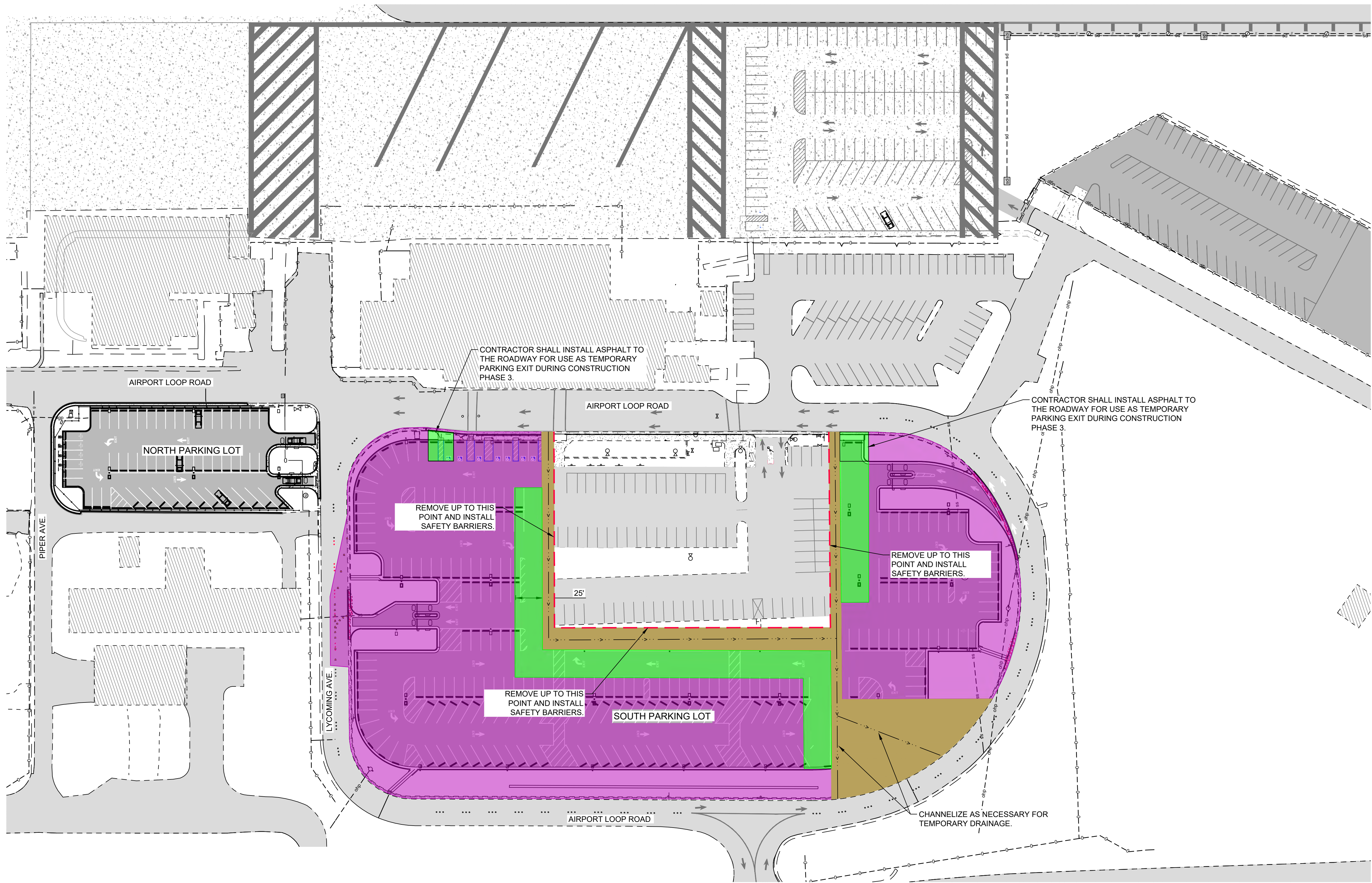
ACI No. 226826
Date: 05/2023
File Name: 226826108

Drawn: CES/MLM
Checked: CES
Approved: CSN

CONSTRUCTION
PHASING
PLAN

Sheet: 8.1

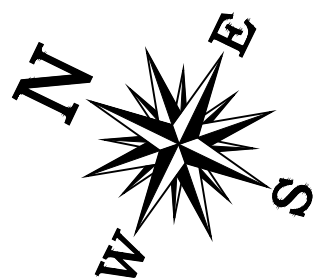
S:\California\Arcata\Project Files\Active Projects\ARCATA - CONSTRUCT PARKING LOT\CAD\dwg\226826108-ph2.dwg 5/9/2023 4:11:48 PM MMONROE



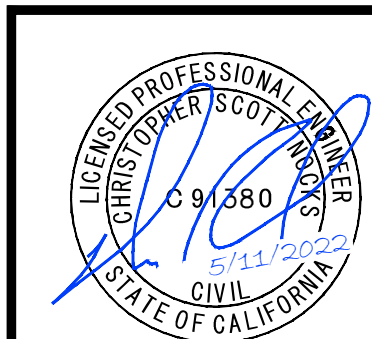
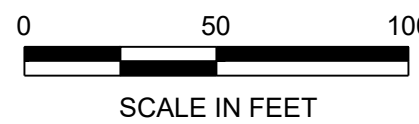
LEGEND

- PHASE 2 FULL REMOVALS AND CONSTRUCTION
- FULL REMOVAL AND USED FOR GRADE TRANSITION BETWEEN EXISTING AND PROPOSED GRADES. CONTRACTOR SHALL PROPERLY CHANNELIZE TO THE SOUTHWEST AND INSTALL TEMPORARY SEDIMENT CONTROL PER DEQ REQUIREMENTS.
- THIS AREA SHALL NOT HAVE MARKING, PARKING BARRIERS OR LIGHT POLES. THIS WILL BE USED FOR VEHICLE ACCESS DURING PHASE 3 CONSTRUCTION
- SAFETY BARRIERS

NOTE:
THIS PLAN IS A RECOMMENDED PHASING BOUNDARY. THE CONTRACTOR MAY REVISE. ALTERNATIVES SHALL MAINTAIN THE INTENT OF THIS PLAN AND SHALL BE APPROVED PRIOR TO USE.



CONSTRUCTION PHASE 2



CALIFORNIA REDWOOD COAST
HUMBOLDT COUNTY AIRPORT
MCKINLEYVILLE, CA
PARKING LOT REHAB. PHASE 1

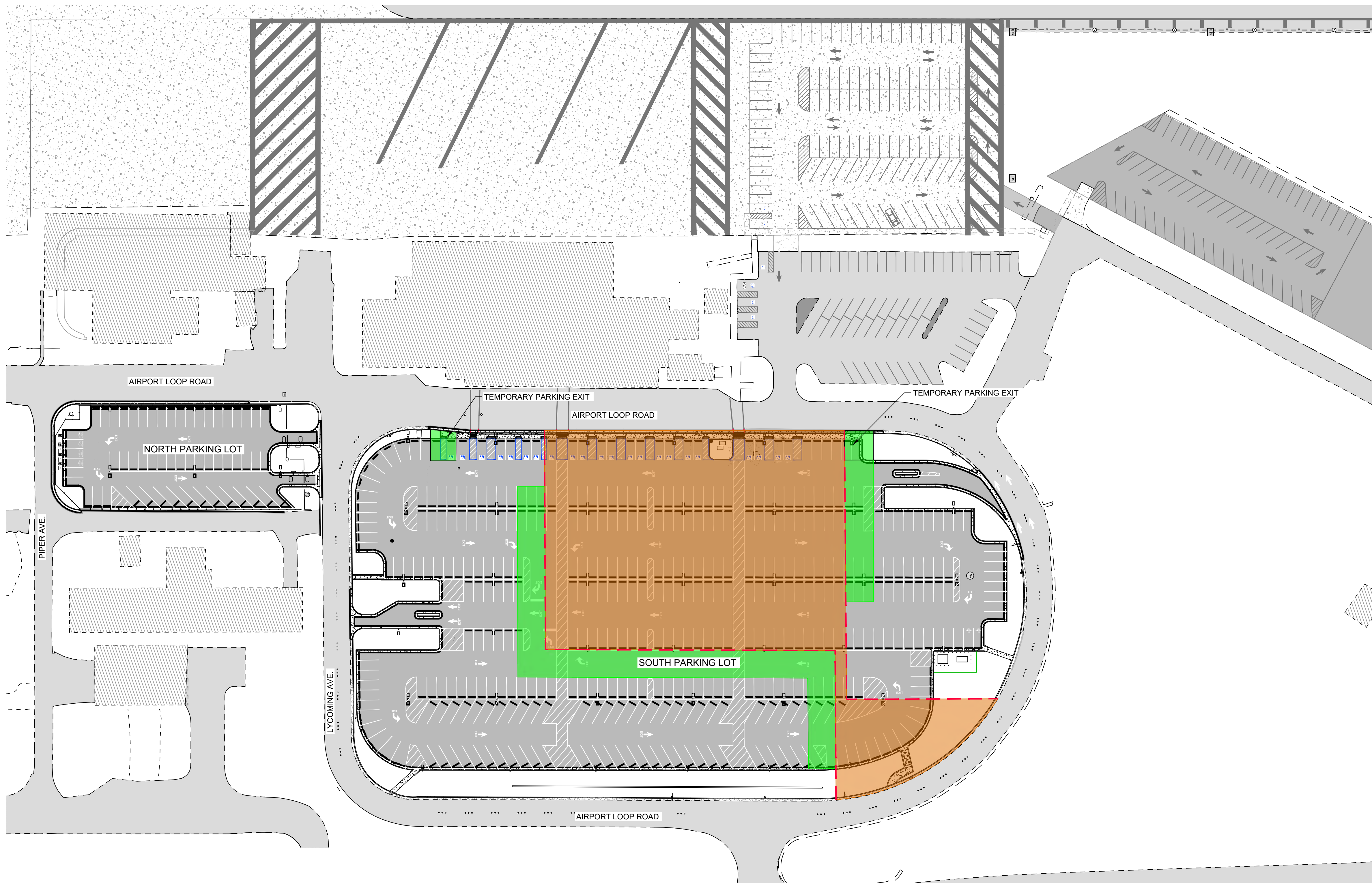
No.	Revision	Date	By

ACI No. 226826
Date: 05/2023
File Name: 226826108-PH2

Drawn: CES/MLM
Checked: CES
Approved: CSN

**CONSTRUCTION
PHASING
PLAN**

S:\California\Arcata\Project Files\Active Projects\226826 ARCAT - CONSTRUCT PARKING LOT\CAD\dwg\226826108.dwg 5/9/2023 4:21:20 PM MMONROE



LEGEND



PHASE 3 FULL REMOVALS AND CONSTRUCTION

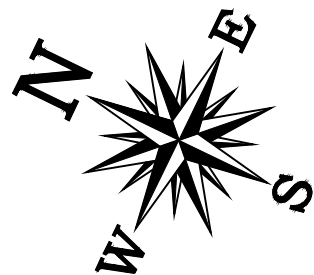


THIS AREA WILL BE USED FOR VEHICLE ACCESS DURING PHASE 3 CONSTRUCTION. AFTER CONSTRUCTION IS COMPLETE, THIS AREA SHALL BE MARKED. TEMPORARY EXIT/ENTRANCE SHALL BE REMOVED AND CONCRETE/PROPOSED ITEMS SHALL BE INSTALLED.

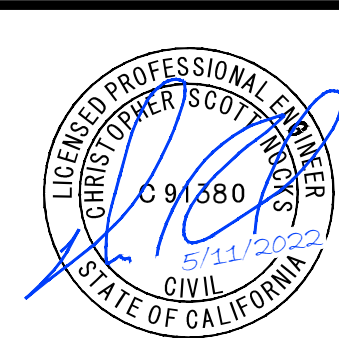


SAFETY BARRIERS

NOTE:
THIS PLAN IS A RECOMMENDED PHASING BOUNDARY. THE CONTRACTOR MAY REVISE. ALTERNATIVES SHALL MAINTAIN THE INTENT OF THIS PLAN AND SHALL BE APPROVED PRIOR TO USE.



CONSTRUCTION PHASE 3



CALIFORNIA REDWOOD COAST
HUMBOLDT COUNTY AIRPORT
MCKINLEYVILLE, CA
PARKING LOT REHAB. PHASE 1

No.	Revision	Date	By

ACI No. 226826
Date: 05/2023
File Name: 226826108

Drawn: CES/MLM
Checked: CES
Approved: CSN

CONSTRUCTION
PHASING
PLAN

Sheet: 8.3

S:\California\Arcata\Project Files\Active Projects\226826 ARCAT - CONSTRUCT PARKING LOT\CAD\dwg\226826109.dwg 5/10/2023 2:27:19 PM MMONROE

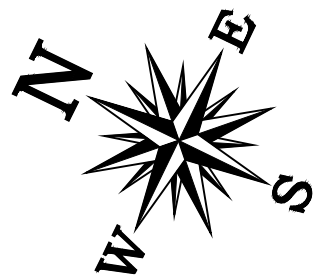


CAUTION - NOTICE TO CONTRACTOR

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND WHERE POSSIBLE, MEASUREMENTS IN THE FIELD. THE INFORMATION IS PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR AND IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL CALIFORNIA (1-800-624-2444) AT LEAST 48 HOURS BEFORE ANY EXCAVATION / EMBANKMENT TO REQUEST FIELD LOCATION OF UTILITIES.

CONSTRUCTION DETAILS

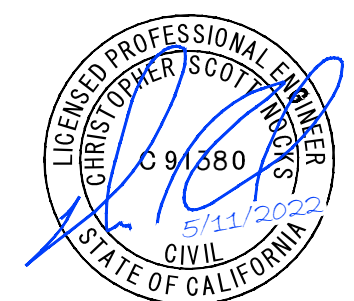
- | | | |
|---|--|--------------------|
| 1 | 6" HIGH CHAIN LINK FENCE DETAIL, NON SLATTED | -SEE SHT 9.2 - 9.4 |
| 2 | ROPE PARTITION | -SEE 1 / 9.5 |



FENCE LAYOUT



POINT DESCRIPTION, NORTHING/EASTING & ELEVATION				
POINT #	DESCRIPTION	ELEVATION	NORTHING	EASTING
148	FC	204.23	2244108.17	5979805.91
149	FC	206.12	2244116.24	5979821.98
150	FC	206.87	2244123.98	5979837.39
151	FC	207.40	2244128.54	5979846.47
152	FC	206.85	2244142.51	5979839.68
153	FC	207.33	2244146.86	5979848.52
154	FC	207.92	2244154.47	5979864.00
155	FC	209.37	2244163.83	5979883.22
156	FC	206.72	2244331.99	5979801.55
157	FC	206.02	2244326.44	5979790.21
158	FC	205.98	2244337.71	5979784.73
159	FC	204.94	2244339.22	5979767.62
160	FC	203.04	2244320.04	5979728.12
161	FC	202.34	2244290.76	5979717.69



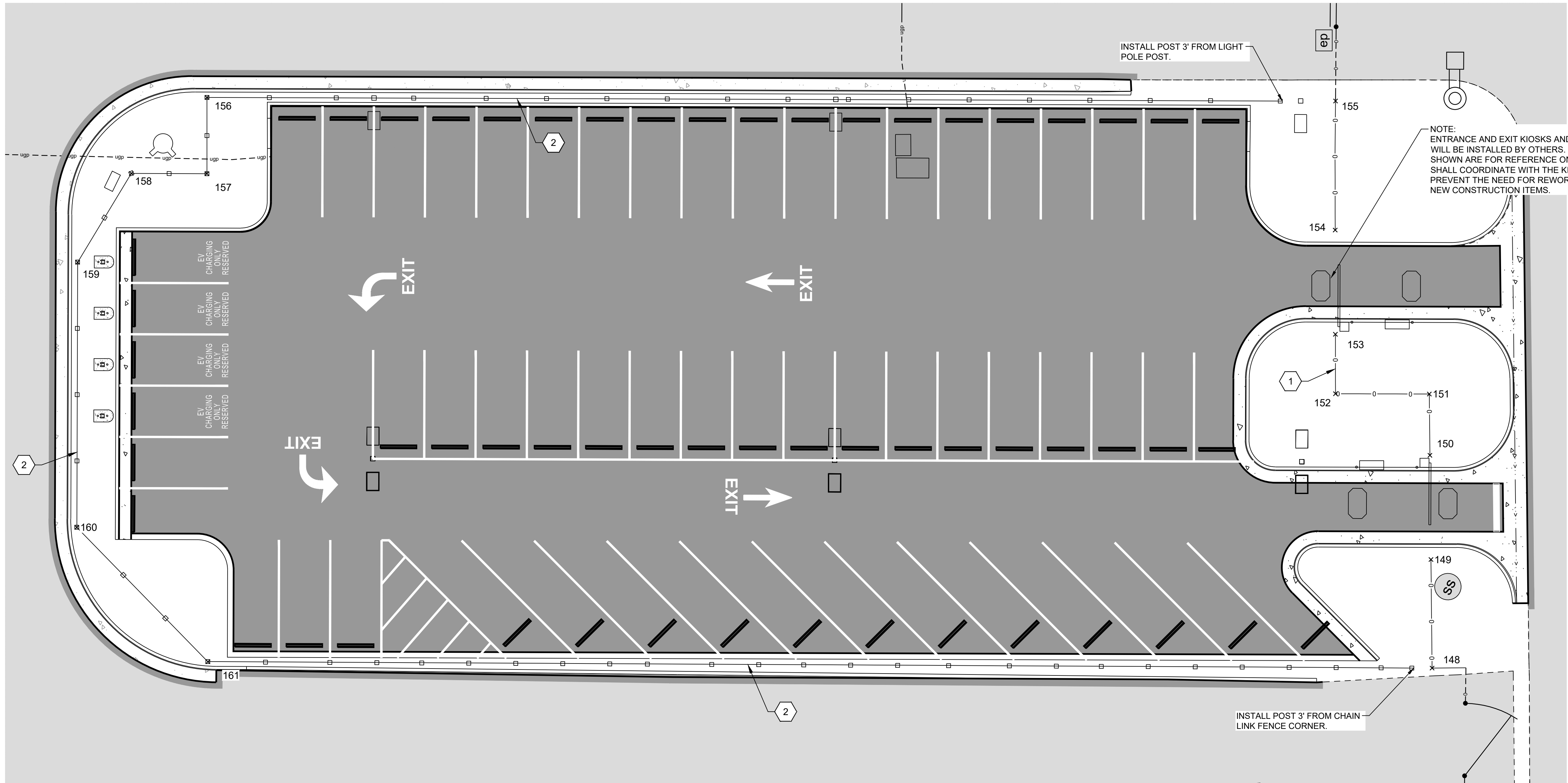
CALIFORNIA REDWOOD COAST
HUMBOLDT COUNTY AIRPORT
MCKINLEYVILLE, CA
PARKING LOT REHAB. PHASE 1

ACI No. 226826
Date: 05/2023
File Name: 226826109

Drawn: CES/MLM
Checked: CES
Approved: CSN

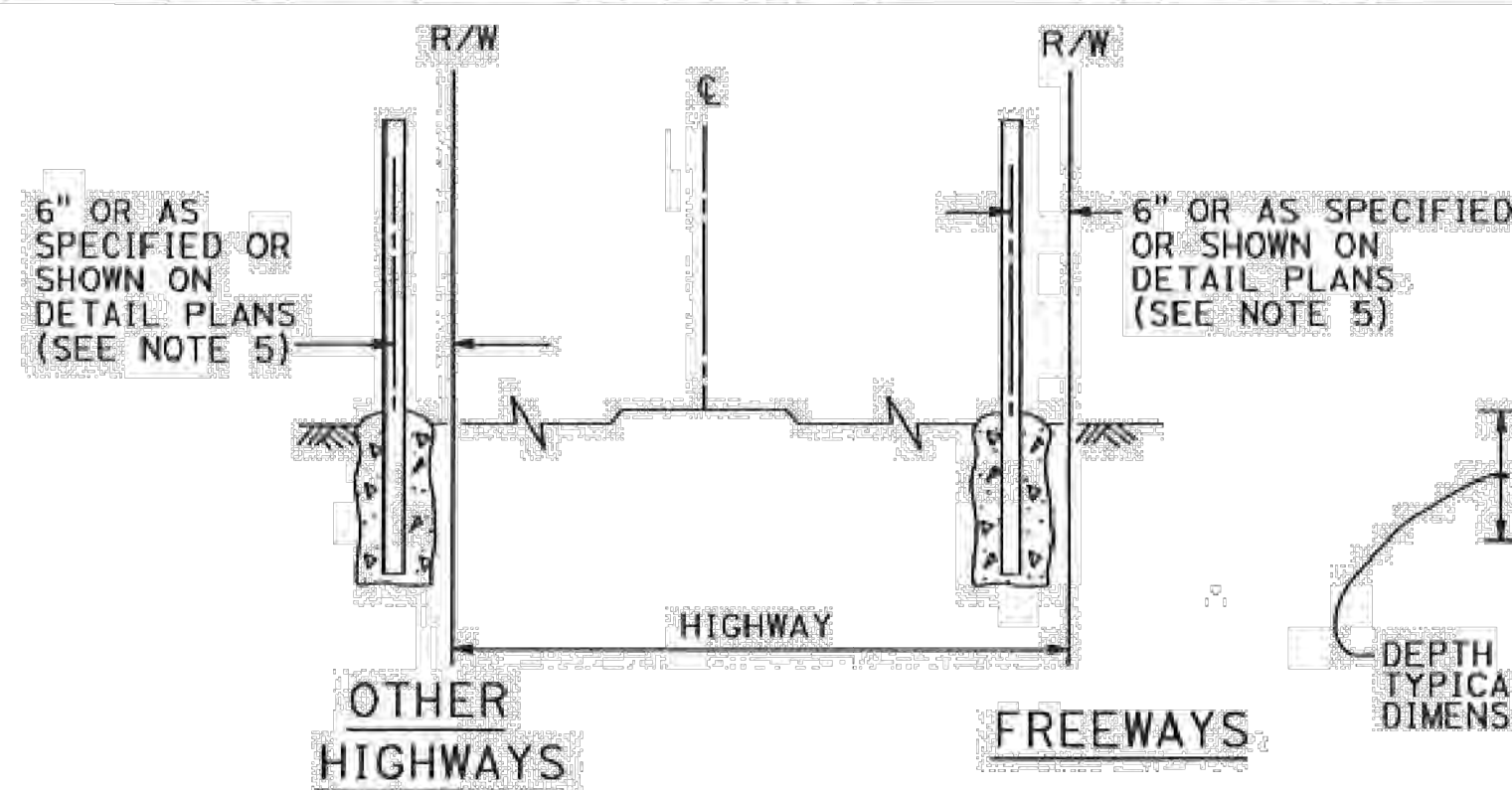
FENCE
LAYOUT
AND
DETAILS

Sheet: 9.1

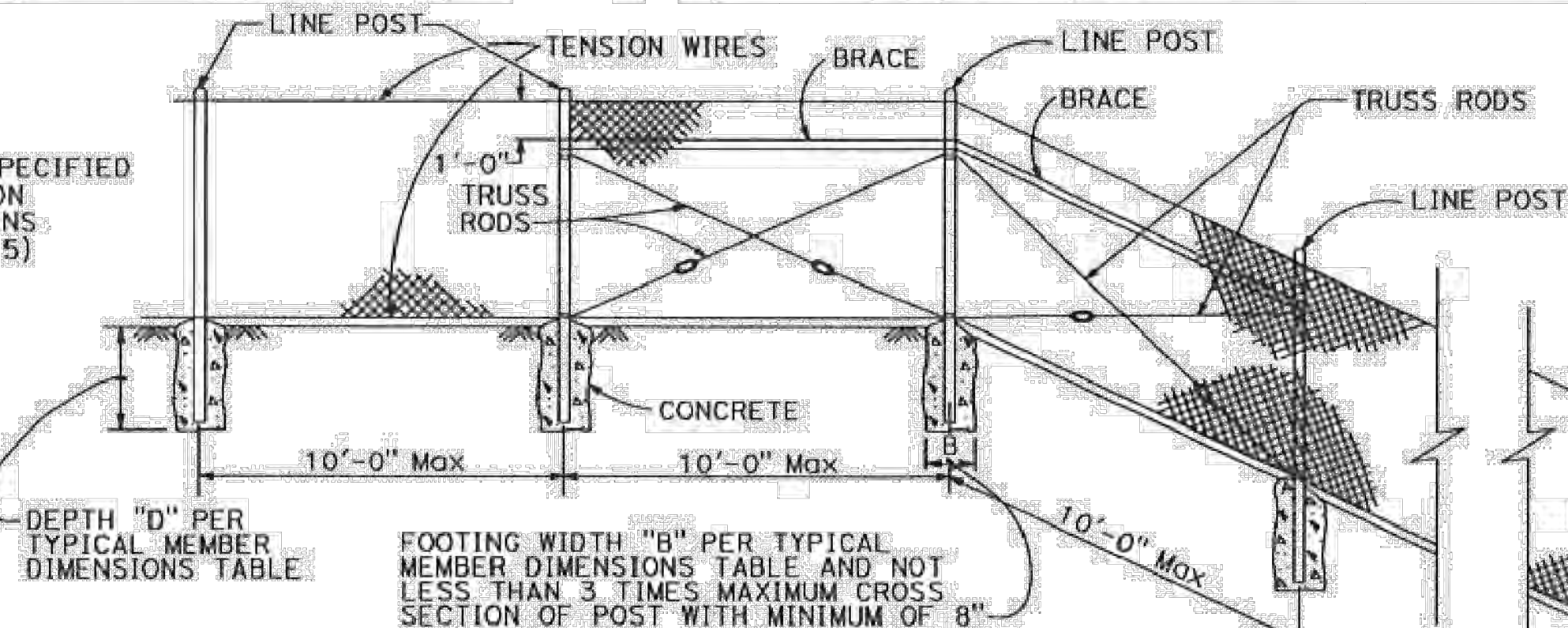


S:\California\Arcata\Project Files\Active Projects\226826 ARCAT - CONSTRUCT PARKING LOT\CAD\dwg\226826109.dwg 5/10/2023 2:27:19 PM MMONROE

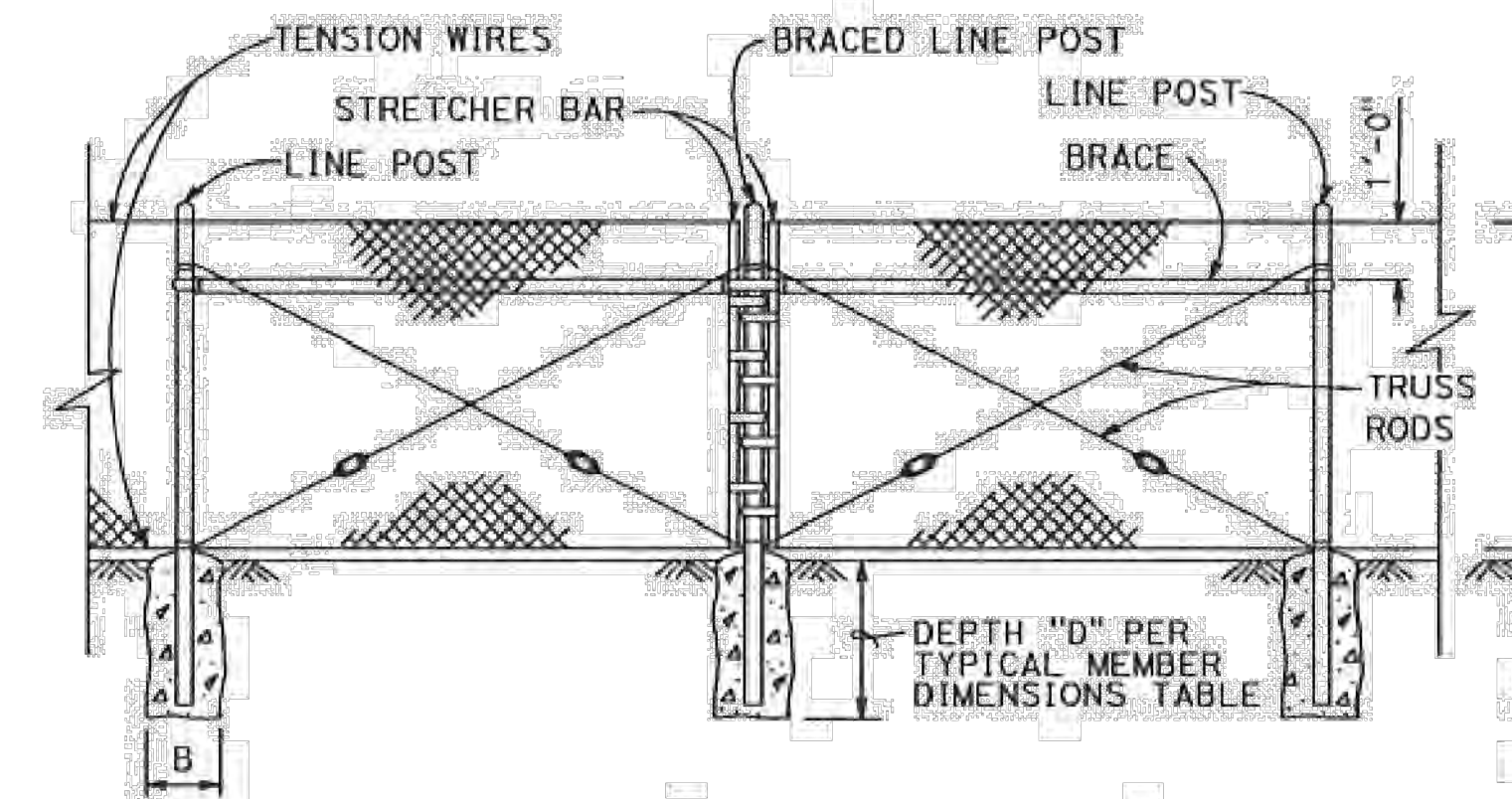
147



FENCE LOCATION

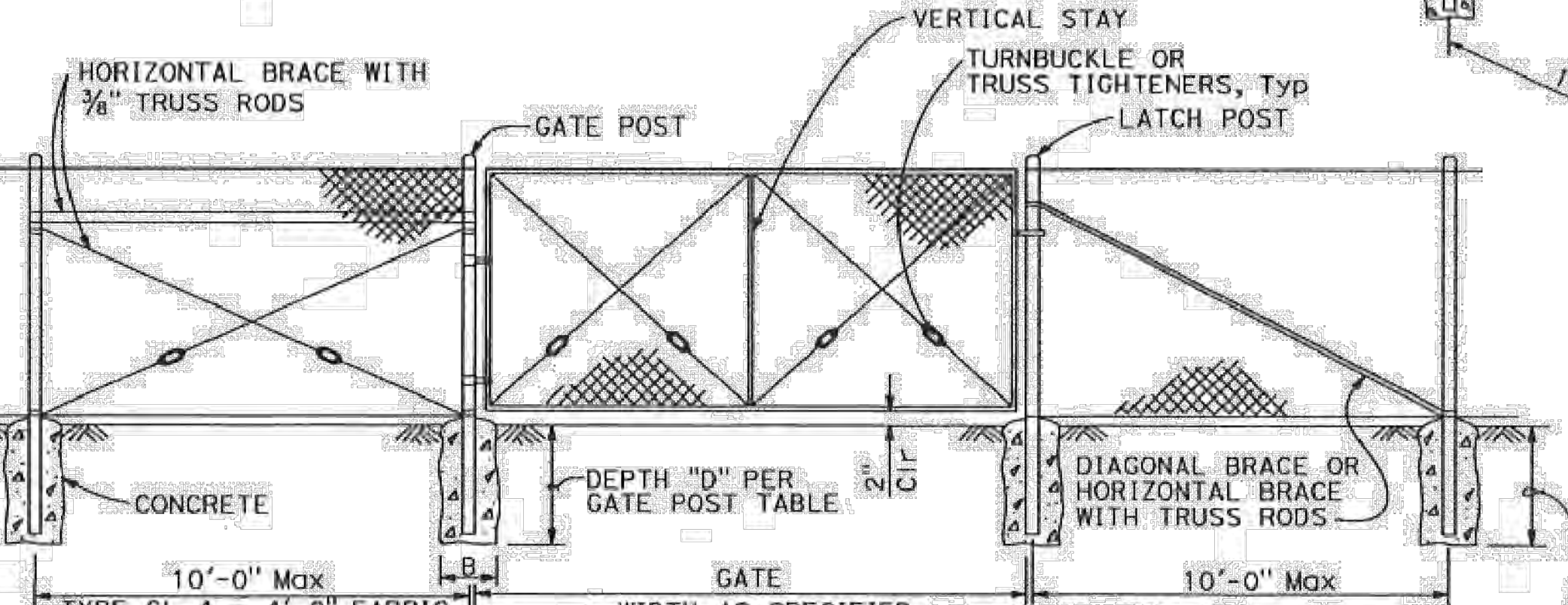


CHAIN LINK FENCE ON SHARP BREAK IN GRADE



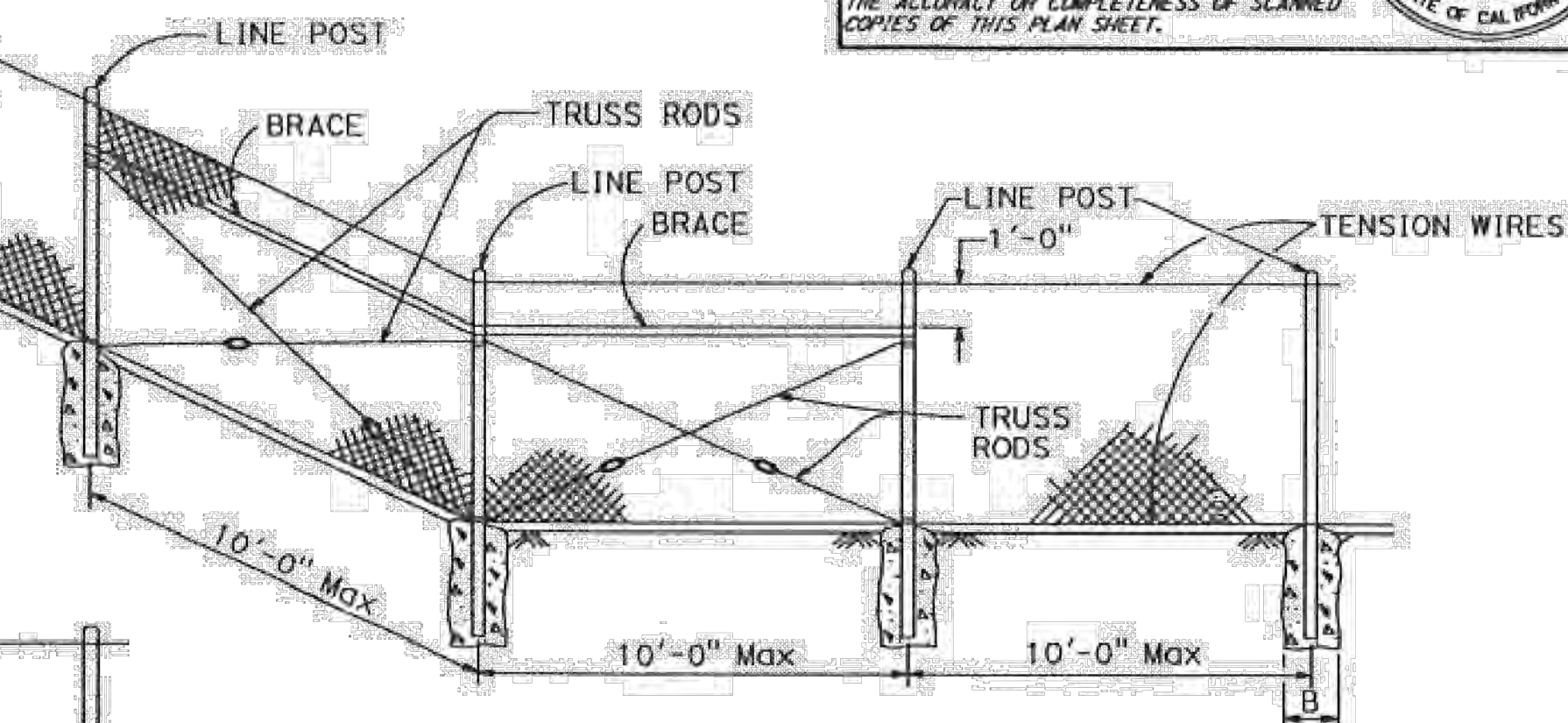
BRACED LINE POST INSTALLATION

Braced line post at intervals not exceeding 1000'



CHAIN LINK GATE INSTALLATION

Maximum Gate Width is 12'-0"
Vertical Stay is required in middle of gate greater than 8'-0" in width.



GATE POST

FENCE HEIGHT (Max)	SLATTED	B (in)	D (ft)	ROUND PIPE		
				ROUND OD PIPE	GROUP 1A GROUP 1C	
					WEIGHT (lb/ft)	WEIGHT (lb/ft)
5'-0"	NO	12"	2'-6"	3.50"	7.58	5.71
6'-0"	NO	12"	2'-6"	3.50"	7.58	5.71
8'-0"	NO	12"	3'-0"	3.50"	7.58	5.71
10'-0"	NO	14"	3'-6"	3.50"	7.58	5.71
5'-0"	YES	12"	3'-0"	4.00"	9.12	6.56
6'-0"	YES	14"	3'-6"	4.50"	10.80	-
8'-0"	YES	18"	3'-6"	5.56"	14.60	-
10'-0"	YES	20"	4'-0"	6.63"	19.00	-

Above post dimensions and weights are minimums. Larger sizes may be used upon approval.

TYPICAL MEMBER DIMENSIONS (See Notes)

FENCE HEIGHT (Max)	SLATTED	B (in)	D (ft)	LINE POSTS				BRACES					
				ROUND PIPE			SECTION	ROUND PIPE			SECTION	ROLL FORMED	
				ROUND OD PIPE	GROUP 1A	GROUP 1C		ROUND OD PIPE	GROUP 1A	GROUP 1C		WEIGHT (lb/ft)	WEIGHT (lb/ft)
5'-0"	NO	8"	2'-6"	1.90"	2.72	2.28	1.875" x 1.625"	1.85	1.90"	2.72	2.28	1.625" x 1.250"	1.35
6'-0"	NO	10"	2'-6"	2.38"	3.66	3.12	1.875" x 1.625"	2.40	2.38"	3.66	3.12	1.625" x 1.250"	1.35
8'-0"	NO	12"	3'-0"	2.88"	5.80	4.64	3.250" x 2.500"	4.50	2.38"	3.66	3.12	1.625" x 1.250"	1.35
10'-0"	NO	14"	3'-6"	3.50"	7.58	5.71	3.250" x 2.500"	4.50	2.88"	5.80	4.64	1.625" x 1.250"	1.35
5'-0"	YES	12"	3'-0"	4.00"	9.12	6.56	N/A	-	2.38"	3.66	3.12	N/A	-
6'-0"	YES	14"	3'-0"	4.50"	10.80	-	N/A	-	2.38"	3.66	3.12	N/A	-
8'-0"	YES	18"	3'-6"	5.56"	14.60	-	N/A	-	2.38"	3.66	3.12	N/A	-
10'-0"	YES	20"	4'-0"	6.63"	19.00	-	N/A	-	2.88"	5.80	4.64	N/A	-

NOTES:

- The table to the right shows minimum sized posts and braces complying with the specifications. Larger or heavier post and brace sizes may be used upon approval.
- Sections shown in the tables must also comply with the strength requirements and other provisions of the Specifications.
- Other sections which comply with the strength requirements and other provisions of the Specifications may be used upon approval.
- Options exercised shall be uniform on any one project.
- Offset to be 2'-0" at monument locations, measured at right angles to R/W lines. Taper to achieve offset to be at least 20'-0" long.
- See Standard Plan A85B for Brace, Stretcher Bar, and Truss Tightener Details.

CORNER POST

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
CHAIN LINK FENCE
NO SCALE

A85

6-24-22



CALIFORNIA REDWOOD COAST
HUMBOLDT COUNTY AIRPORT
MCKINLEYVILLE, CA
PARKING LOT REHAB. PHASE 1

ACI No. 226826
Date: 05/2023
File Name: 226826109

Drawn: CES/MLM
Checked: CES
Approved: CSN

FENCE
LAYOUT
AND
DETAILS

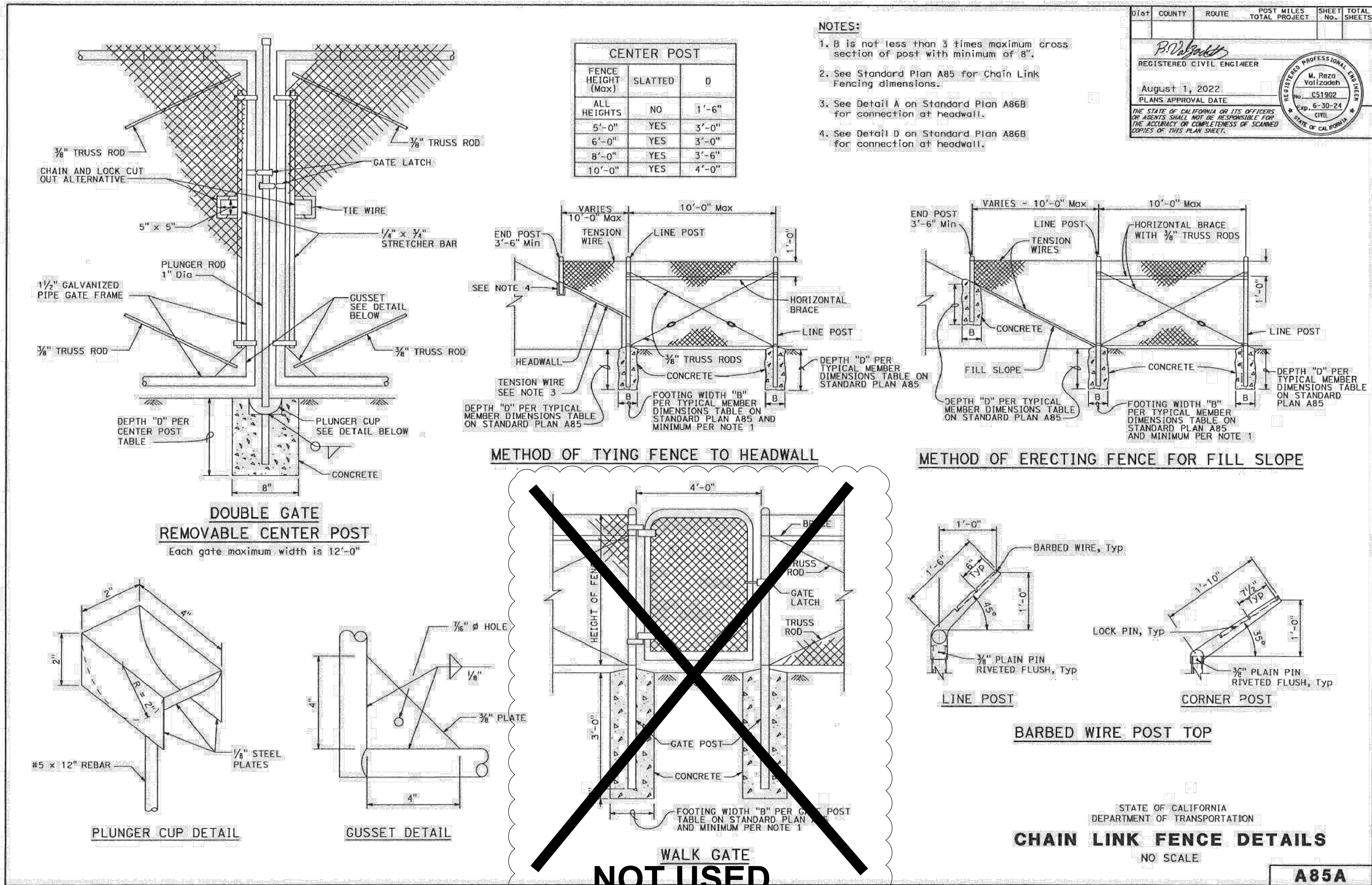
Sheet: 9.2

ARMSTRONG
A LOCHNER COMPANY

2022 STANDARD PLAN A85

S:\California\Arcata\Project Files\Active Projects\226826 ARCAT - CONSTRUCT PARKING LOT\CAD\dwg\226826109.dwg 5/11/2023 10:09:53 AM CST:RNS

148



Dist COUNTY ROUTE POST MILES TOTAL PROJECT SHEET No. TOTAL SHEETS

B. Valizadeh
REGISTERED CIVIL ENGINEER

August 1, 2022
PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

REGISTERED PROFESSIONAL ENGINEER
M. Reza Valizadeh
No. C51902
Exp. 6-30-24
CIVIL
STATE OF CALIFORNIA

2022 STANDARD PLAN A85A

CALIFORNIA REDWOOD COAST
HUMBOLDT COUNTY AIRPORT
MCKINLEYVILLE, CA
PARKING LOT REHAB. PHASE 1

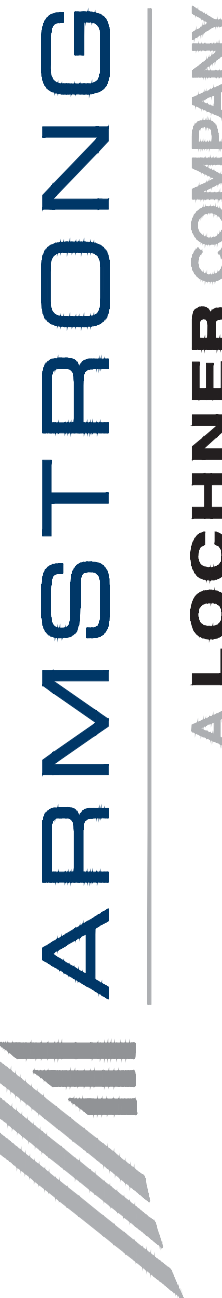
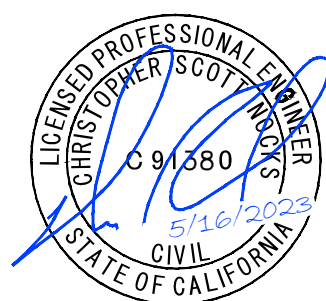
No.	Revision	Date	By
ADDENDUM 1		5/16/23	C.E.S.

ACI No. 226826
Date: 05/2023
File Name: 226826109

Drawn: CES/MLM
Checked: CES
Approved: CSN

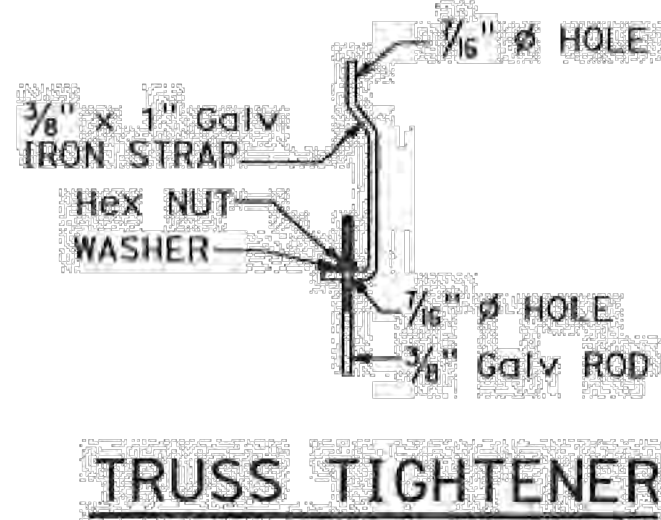
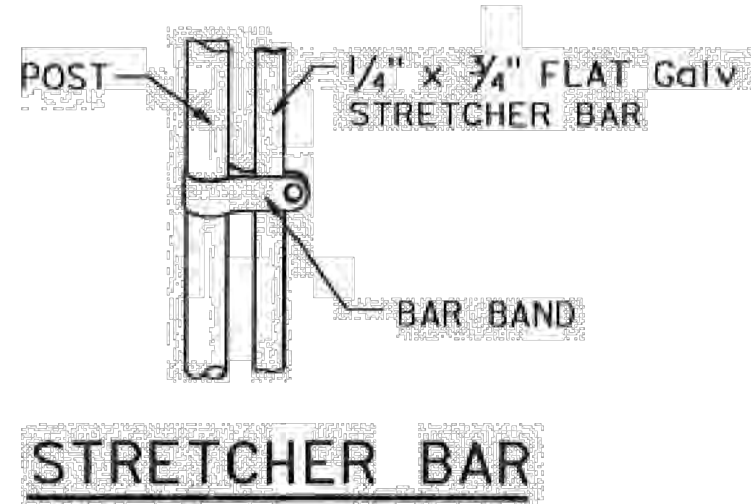
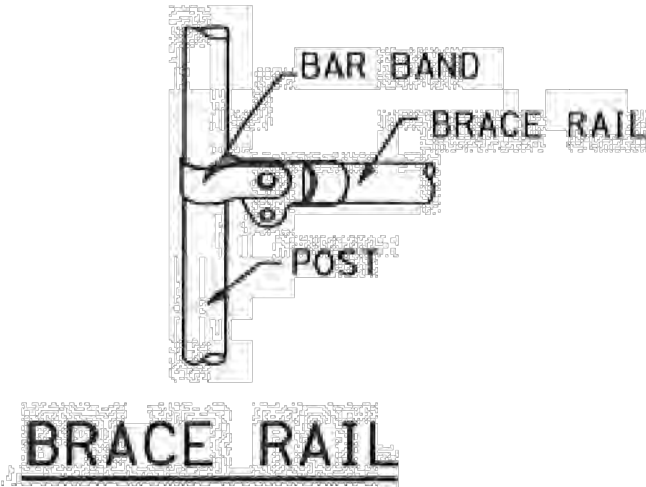
FENCE LAYOUT AND DETAILS

Sheet: 9.3



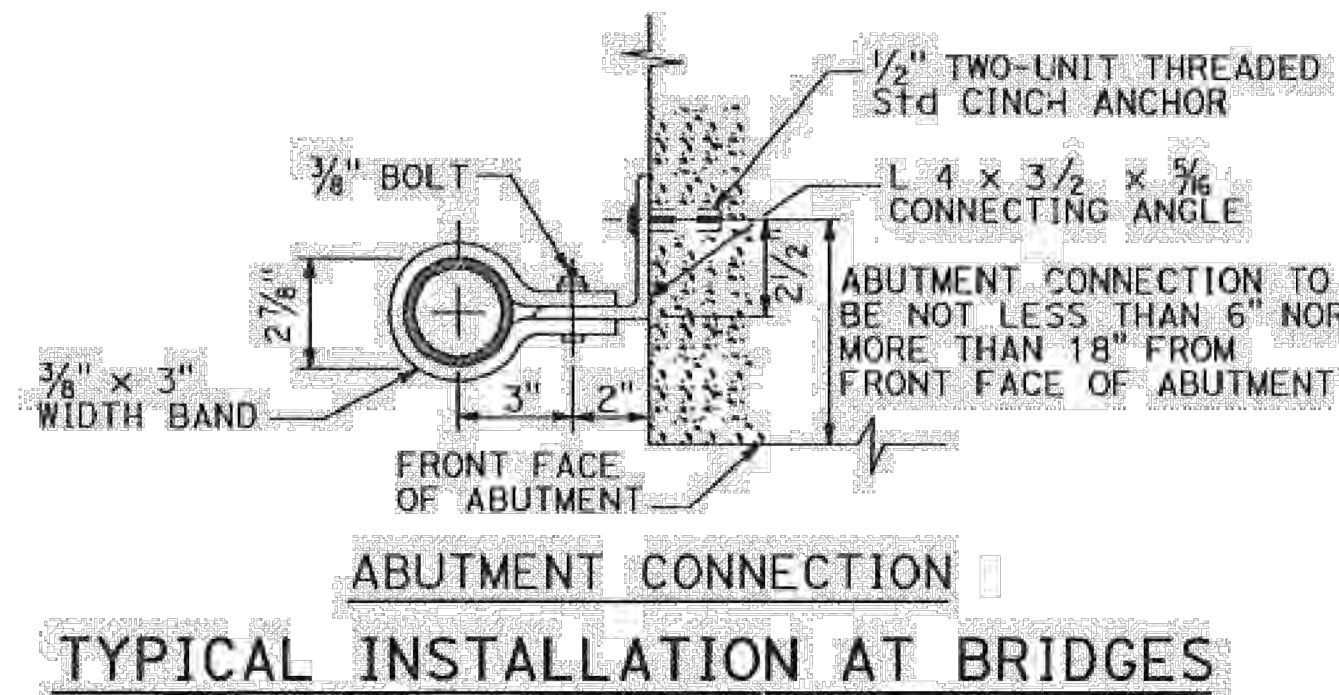
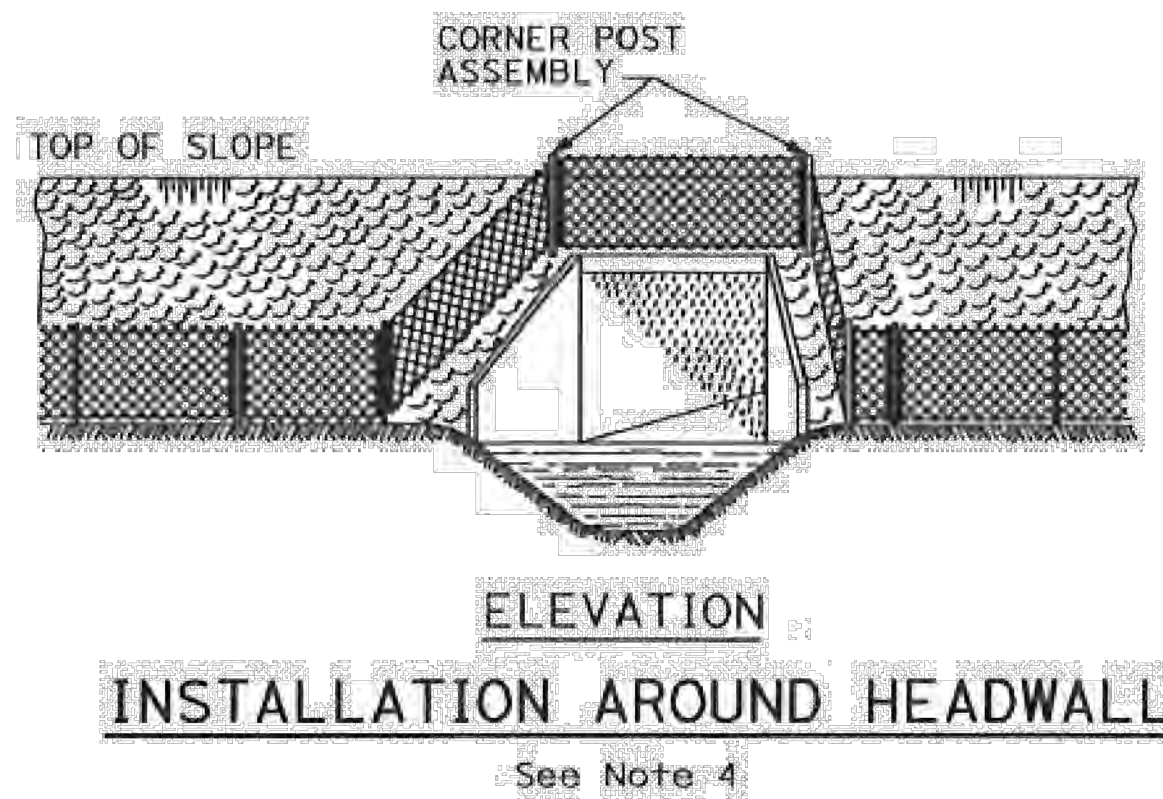
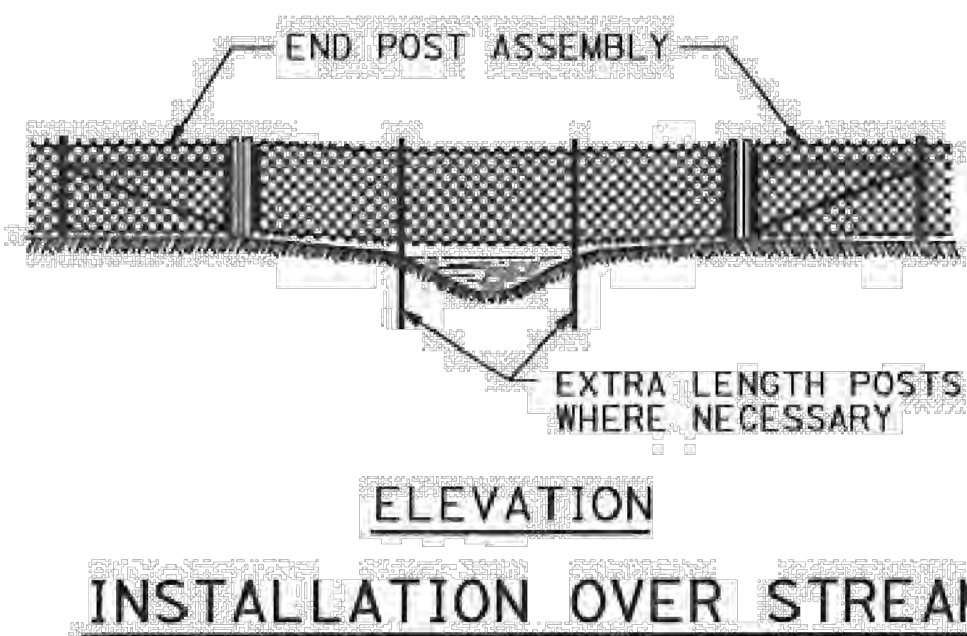
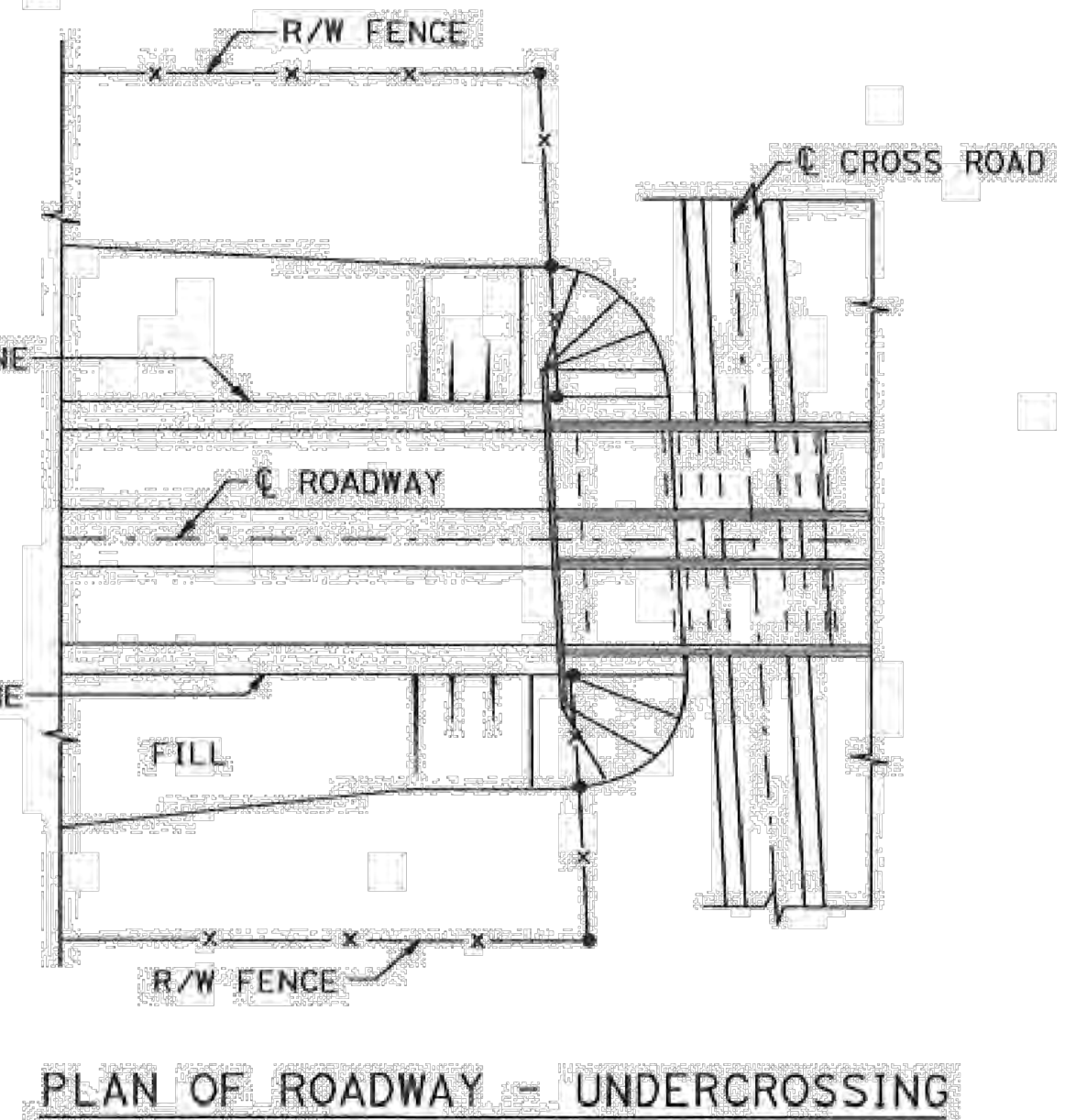
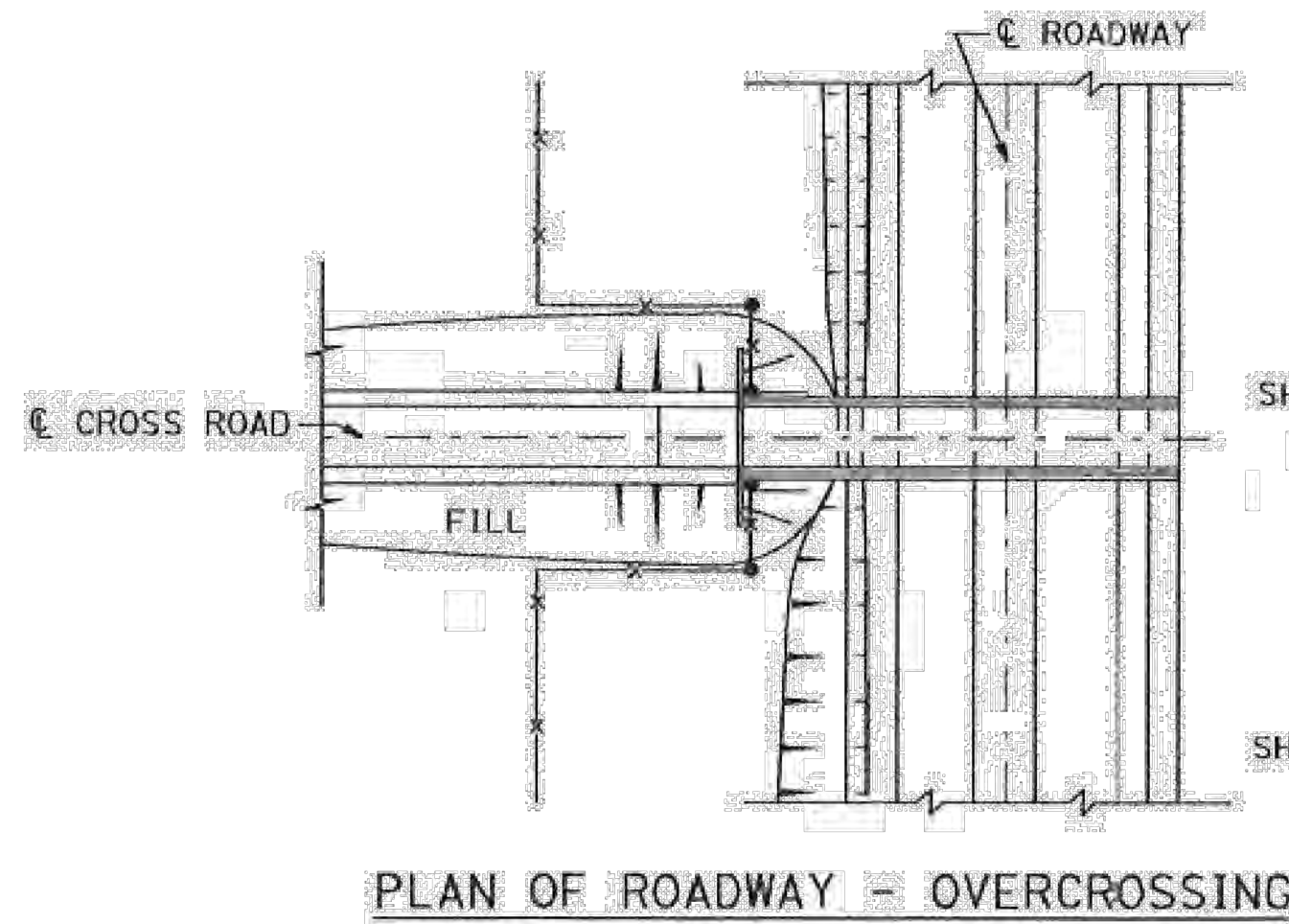
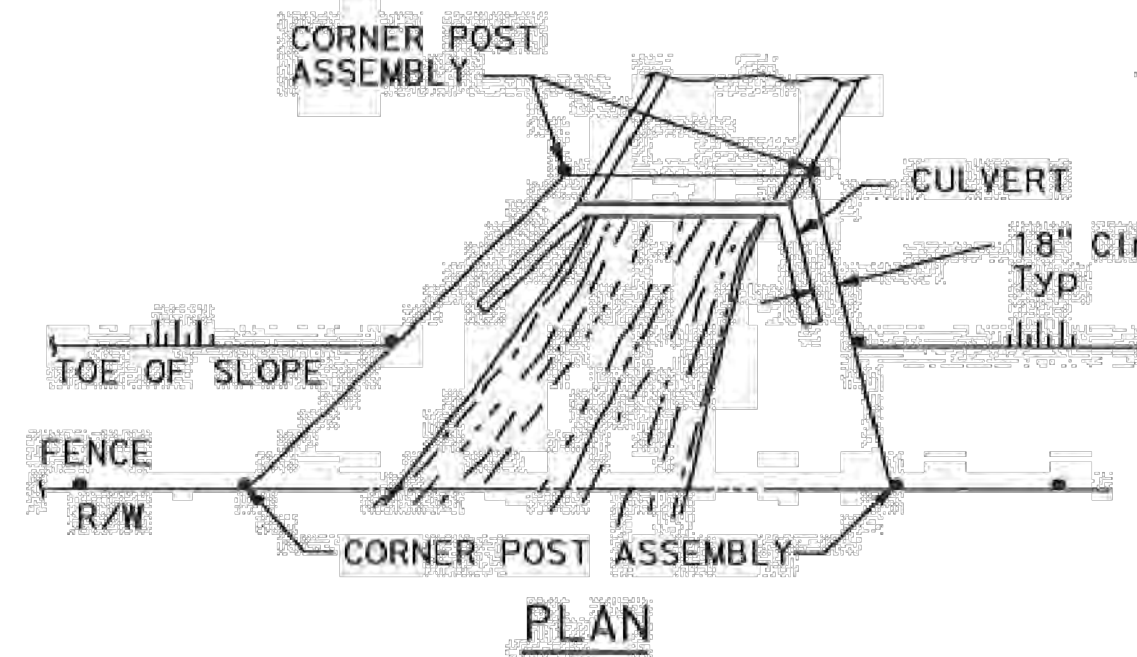
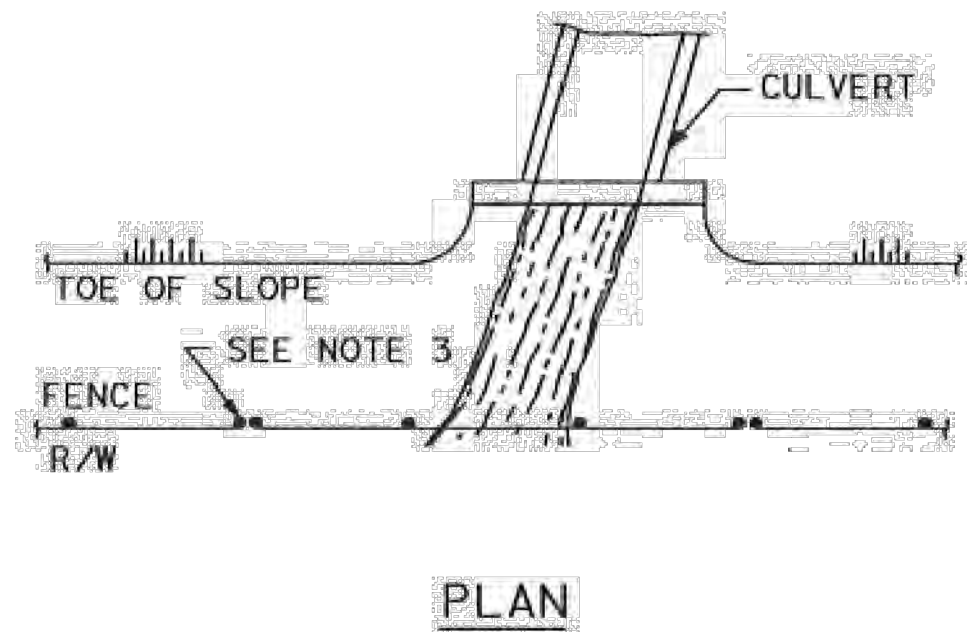
S:\California\Arctia\Project Files\Active Projects\ARCATA - CONSTRUCT PARKING LOT\CAD\dwg\226826109.dwg 5/10/2023 2:27:19 PM MMONROE

149



NOTES:

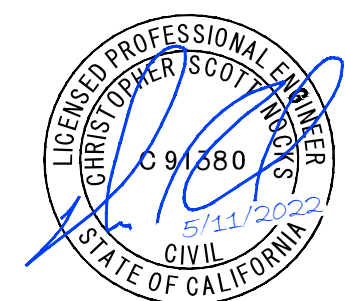
1. All material for abutment connection to be galvanized.
2. The chain link fabric shall be replaced by barbed wire strands at 12" maximum centers between the double posts.
3. When the width of the culvert makes it necessary to anchor a post to the top of the culvert, a cast iron shoe or other device approved by the Engineer shall be used.
4. Fencing over stream and around headwall may also use Barbed Wire or Wire Mesh fencing with either wood post or steel post installation.
5. See Standard Plan A85 for Chain Link fence dimensions. See Standard Plan A86 for Barbed Wire and Wire Mesh fence dimensions and for wood post and steel post installation.



STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
CHAIN LINK FENCE DETAILS
NO SCALE

A85B

6-24-22



CALIFORNIA REDWOOD COAST
HUMBOLDT COUNTY AIRPORT
MCKINLEYVILLE, CA
PARKING LOT REHAB. PHASE 1

No.	Revision	Date	By

ACI No. 226826
Date: 05/2023
File Name: 226826109

Drawn: CES/MLM
Checked: CES
Approved: CSN

FENCE
LAYOUT
AND
DETAILS

Sheet: **9.4**



S:\California\Arcata\Project Files\Active Projects\ARCATA - CONSTRUCT PARKING LOT\CAD\dwg\226826109.dwg 5/10/2023 2:27:19 PM MMONROE

Clearances and Location Requirements for
Enclosures, Pads, and Underground Equipment

17. Placement of Metal Barrier Posts and Details

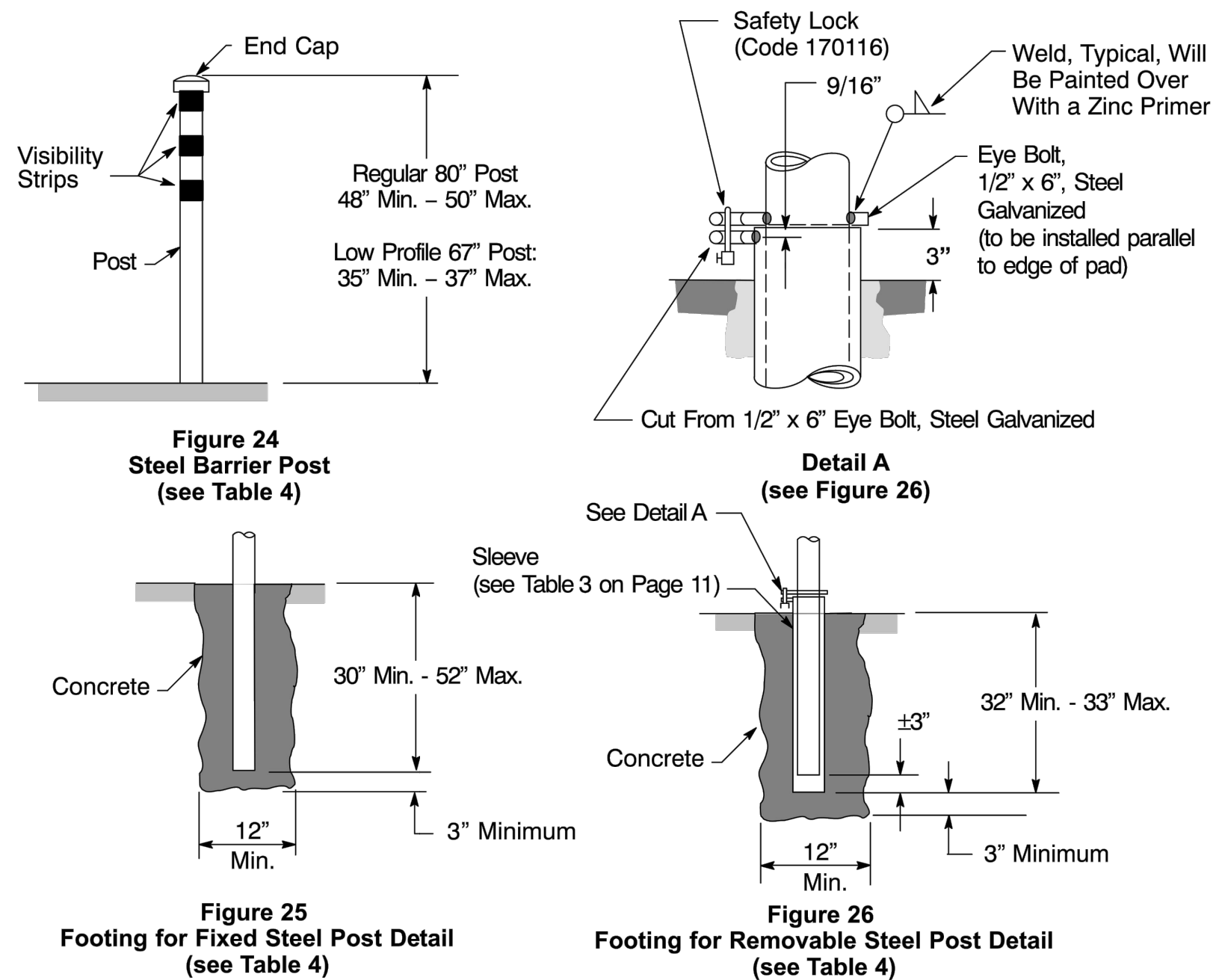


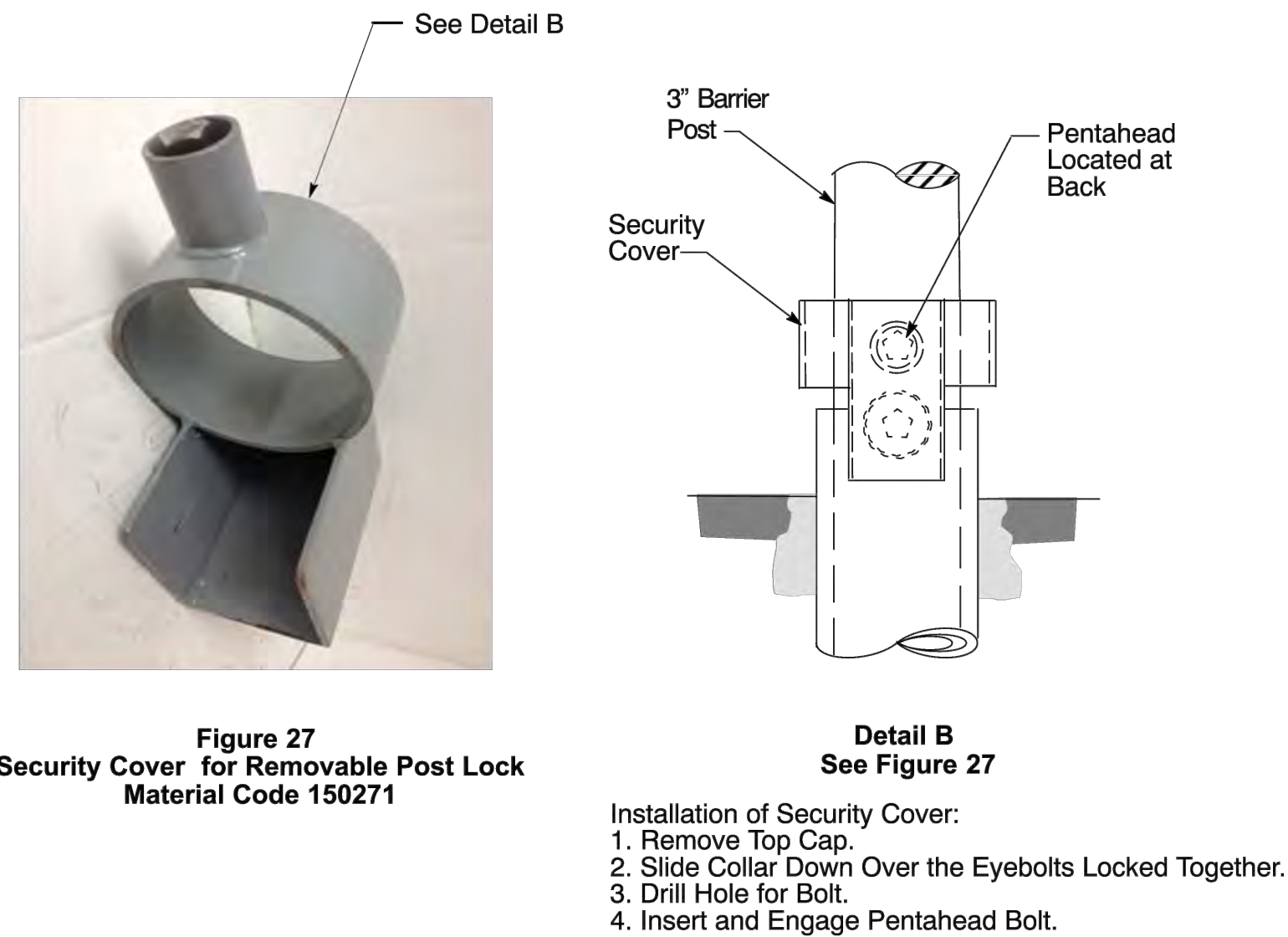
Table 4 Description and Codes for Steel Barrier Posts ¹

Description	Length (inches)	Code	Doc
Galvanized Fixed Post, 4", Steel Pipe, Standard, Schedule 40	80	155107	-
	67 ²	155108	-
Removable Post, 4", Galvanized Steel Pipe, Standard, Schedule 40 With 5" Galvanized Steel Pipe Sleeve, 36" Long, Standard, Schedule 40	80	155105	-
	67 ²	155106	-
Replacement 4" Removable Barrier Post Galvanized Steel Pipe With Cap Less Sleeve and Eye Bolt	67	150265	-
	80	150266	-
End Cap, 4", Galvanized Malleable Iron, May Be Screwed	-	021882	-
Strip, Visibility Reflective Yellow Adhesive Sheet, 2" X 12", Pacific Utilities #PEM212F, Almetek #DL-RY2X12-A	-	013163	022168
Safety Lock	-	170116	-

¹ Posts fabricated from 20-foot lengths of galvanized steel pipe, Code 011794.
² 67" post length is for single-phase transformer.

Clearances and Location Requirements for
Enclosures, Pads, and Underground Equipment

17. Placement of Metal Barrier Posts and Details (continued)



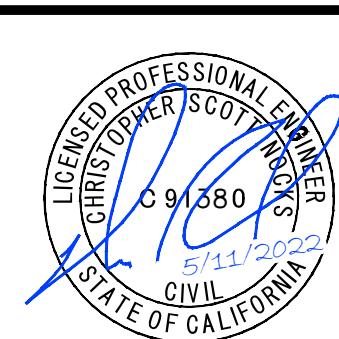
No.	Revision	Date	By

ACI No. 226826
Date: 05/2023
File Name: 226826109

Drawn: CES/MLM
Checked: CES
Approved: CSN

PG&E
BOLLARD
DETAILS

Sheet: 9.6



H:\shared drives\cear parking lot -- armstrong\technical work\Working\1 design work\CAD Sheets\E-00_ELECTRICAL NOTES AND ABBREVIATIONS.dwg 5/11/2023 11:10:10 AM KRG22

ELECTRICAL NOTES

1. THE PROJECT INCLUDES 1) THE INSTALLATION OF 4 DUAL--PORT ELECTRIC VEHICLE CHARGING STATIONS AND THE ASSOCIATED ELECTRICAL SERVICE AND POWER DISTRIBUTION EQUIPMENT; 2) THE PARKING LOT LIGHTING AND CONCESSIONS EQUIPMENT AND ASSOCIATED POWER DISTRIBUTION EQUIPMENT; AND 3) 4 SINGLE--PORT VEHICLE--TO--GRID (V2G) ELECTRIC VEHICLE CHARGERS AND ASSOCIATED ELECTRIC DISTRIBUTION AND METERING EQUIPMENT AS SPECIFIED IN THIS DRAWING SET.
2. THE PROJECT IS TO INCLUDE AN ELECTRICAL TRENCH THROUGH A COUNTY RIGHT OF WAY AND WILL REQUIRE A SEPARATE ROAD ENCROACHMENT PERMIT.
3. ALL EQUIPMENT SHALL BE LISTED BY A NATIONALLY--RECOGNIZED TESTING AGENCY FOR THE APPLICATION AND CONDITIONS OF USE.
4. DRAWINGS ARE DIAGRAMATIC AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED. ALL DIMENSIONS SHALL BE VERIFIED. SITE CONDITIONS SHALL PREVAIL.
5. SUBCONTRACTORS SHALL PROVIDE ALL MATERIALS NECESSARY TO PROVIDE A COMPLETE INSTALLATION.
6. ANY DEVIATION FROM THE PLANS INCLUDING EQUIPMENT SUBSTITUTIONS SHALL BE APPROVED IN WRITING BY THE EOR.
7. ALL WIRING METHODS AND INSTALLATION PRACTICES SHALL CONFORM TO THE MOST RECENT REVISION OF THE NATIONAL, STATE, AND LOCAL LAWS, ORDINANCES, REGULATIONS, INDUSTRY STANDARDS, AND MANUFACTURER RECOMMENDATIONS IN PLACE AT THE TIME OF CONSTRUCTION INCLUDING, BUT NOT LIMITED TO CEC, CHAPTER 3 AND ARTICLE 690 PART IV, NEIS, AND UL.
8. CONDUIT SUBJECT TO PHYSICAL DAMAGE SHALL BE SCHED 80 PVC OR EMT WHEN SUBJECT TO DIRECT SUNLIGHT.
9. WIRE SHALL BE APPROPRIATELY PROTECTED FROM PHYSICAL DAMAGE AND SHALL BE MANAGED IN A NEAT, WORKMANLIKE MANNER USING INDUSTRY STANDARD WIRE CLIPS.
10. OUTDOOR ENCLOSURES SHALL BE NEMA 3R MINIMUM, STAINLESS STEEL OR POLYCARBONATE SUITABLE FOR NEAR OCEAN ENVIRONMENTS. OUTDOOR RACEWAYS AND FITTINGS SHALL BE RAINLIGHT. ANY PENETRATIONS SHALL MAINTAIN THESE NEMA RATINGS.
11. OUTDOOR OR UNDERGROUND CONDUIT SHALL BE RUN WITH WATERTIGHT FITTINGS AND CONNECTIONS AND SHALL BE CONSIDERED WET. THEREFORE, CONDENSATION MUST BE CONSIDERED AND MITIGATION OF EQUIPMENT DAMAGE AS A RESULT ARE THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR ESPECIALLY FOR ANY TOP ENTRIES.
12. BELL ENDS OR INSULATING BUSHINGS SHALL BE INSTALLED WHEREVER CONDUITS PENETRATE ENCLOSURES.
13. INSULATED GROUNDING BUSHINGS SHALL BE USED ON METAL CONDUIT TERMINATIONS FOR RACEWAY GROUNDING.
14. ALUMINUM TERMINATIONS SHALL BE MADE WITH COMPRESSION LUGS AND SHALL UTILIZE ANIT--OXIDANT COMPOUND AT ALL CU--AL JUNCTIONS.
15. EQUIPMENT GROUND CONDUCTORS AND GROUNDING ELECTRODE CONDUCTORS SUBJECT TO PHYSICAL DAMAGE SHALL BE PROTECTED BY A METALLIC JACKET OR RACEWAY.
16. SPLICES SHALL BE PRE--APPROVED BY THE EOR AND SHALL BE CONTAINED IN AN ENCLOSURE.
17. COMBINED EGC/GEC CONDUCTORS SHALL REMAIN CONTINUOUS. LAY--IN LUGS MAY BE USED FOR EQUIPMENT GROUNDING. PAINT SHALL BE REMOVED AND ANTIOXIDANT COMPOUND SHALL BE USED TO ENSURE A CONTINUOUS EQUIPMENT GROUND PATH.
18. ALL MANUFACTURER RECOMMENDED TORQUES VALUES SHALL BE DETERMINED AND USED ON ALL FIELD--INSTALLED TERMINATIONS AND SHALL HAVE MARKS INDICATED AT THE TIME OF INSTALLATION.
19. ALL WORK SHALL BE PERFORMED BY ONLY QUALIFIED PERSONNEL. VERIFICATION OF QUALIFICATIONS SHALL BE MADE AVAILABLE UPON REQUEST.
20. INSULATION RESISTANCE SHALL BE MEASURED FOR ALL FIELD--INSTALLED CABLES AND REPORTS MADE AVAILABLE PRIOR TO ENERGIZATION.

REFERENCED DOCUMENTS

- PG&E 2022--2023 GREENBOOK MANUAL
- PG&E DOCUMENT 062288 -- U/G CONDUITS
- PG&E DOCUMENT 051122 -- CLEARANCES AND LOCATION REQUIREMENTS
- PG&E UTILITY BULLETIN: TD--5453B--002
- PG&E JOINT TRENCH CONFIGURATIONS & OCCUPANCY GUIDE, S5453, EXHIBIT B
- PG&E ENGINEERING MATERIALS SPECIFICATION FOR BACKFILL SAND, EMS--4123
- TECHNICAL HANDBOOK FE--20 20KW BIDIRECTIONAL HE9821055--1

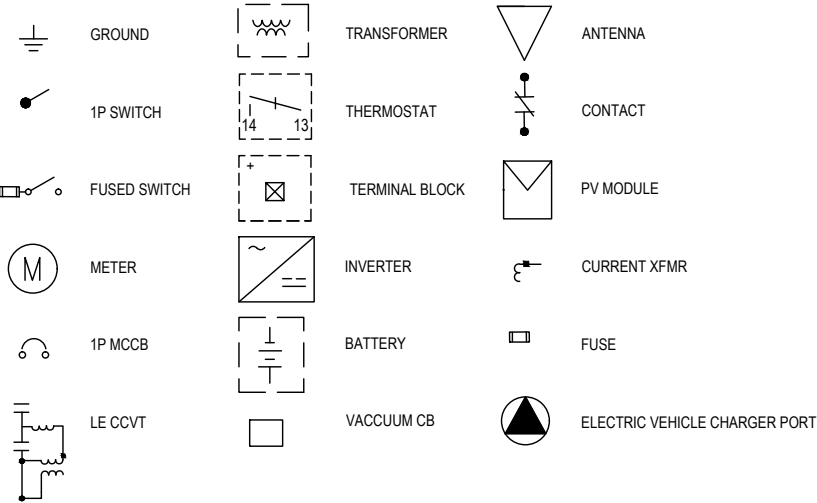
CODE REFERENCES

- CALIFORNIA ELECTRICAL CODE 2022
- CALIFORNIA BUILDING CODE 2022
- CALIFORNIA FIRE CODE 2022

WIRE COLOR CODING

AC WIRING			
CONDUCTOR	120/208/240V	277/480V	12KV
PHASE A	BLACK	BROWN	RED
PHASE B	RED	ORANGE	WHITE
PHASE C	BLUE	YELLOW	BLUE
NEUTRAL	WHITE/GREY	WHITE/GREY	--
V.REF	WHITE/GREY	WHITE/GREY	--
GROUND	GREEN	GREEN	GREEN
FOR 4W DELTA CONNECTED SYSTEM, HIGH LEG SHALL BE MARKED PER 110.15			
DC WIRING			
POS	RED		
NEG	BLACK		
GROUND	GREEN		
SIGNAL	BLUE		
SIGNAL RETURN	BLUE/WHITE STRIPE		

ELECTRICAL SYMBOLS



EQUIPMENT LIST

ID	TYPE	MANUFACTURER	MODEL	QTY	RATINGS	OCPD	PROVIDED BY	NOTES
V2G	VEHICLE-TO-GRID ELECTRIC VEHICLE SUPPLY EQUIPMENT	FERMATA ENERGY	FE-20	4	20KVA, 277/480V, 4W, 3PH	30A	OTHERS	--
--	PEDESTAL	FERMATA ENERGY	NOT AVAILABLE	4	--	--	OTHERS	--
FE-LINK	COMMUNICATION AND CONTROL	FERMATA ENERGY	NOT AVAILABLE	1	--	--	OTHERS	--
--	COMPACT LINE POWERED ENERGY SUBMETER	MEASURELOGIC	DTS-310	1	208-600 VAC	--	OTHERS	CANNOT BE SUBSTITUTED WITH EQUIVALENT
DS-1,4	DISCONNECT SWITCH	SIEMENS	HF321J	2	240V, 60A, 3P, 3-FUSE	40A	CONTRACTOR	BILL TO V2G WORK
PNL-1,3	LOAD CENTER	SCHNEIDER ELECTRIC	QO320L125GRB	2	240V, 125A, 3P, 20 CIRCUIT	80A	CONTRACTOR	BILL TO V2G WORK
PNL-2	LOAD CENTER	SCHNEIDER ELECTRIC	QO330I200G	1	240V, 200A, 3P, 30 CIRCUIT	175A	CONTRACTOR	BILL TO V2G WORK
--	METERING ENCLOSURE	SAGINAW CONTROL & ENGINEERING	SCE-606CHNF	3	NEMA TYPE 4	--	CONTRACTOR	BILL TO V2G WORK
XFMR-1	STEP-UP XFMR	HPS SENTINEL	SG3A0050BK	1	50KVA, 208V-480/277V, 3PH	--	CONTRACTOR	BILL TO V2G WORK
XFMR-2,3	STEP-UP XFMR	HPS SENTINEL	SG3A0025BK	2	25KVA, 208V-480/277V, 3PH	--	CONTRACTOR	BILL TO V2G WORK
EVSE	ELECTRIC VEHICLE SUPPLY EQUIPMENT	CHARGEPOINT	CT4025-GW1	2	32A, 208/240V, 1PH (PER PORT)	40A PER PORT	OTHERS	--
--	BOLLARD CONCRETE MOUNTING KIT	CHARGEPOINT	CT4001-CCM	2	--	--	OTHERS	--
--	SWITCHGEAR	MYERS	CUSTOM	1	1200A, 208V, 3PH, 3 SECTIONS	1200A, 100% RATED	CONTRACTOR	MYERS SHOP DRAWINGS, AS PROVIDED, OR EQUAL
--	PEDESTAL	MILBANK	CP3B0221CB42S5	1	200A, 208Y/120V, 1PH	--	CONTRACTOR	--
--	PEDESTAL	MILBANK	CP3B01213A42S5	1	100A, 208Y/120V, 1PH	--	CONTRACTOR	--
--	SUBPANEL INTERIOR	SQUARE D	NQ18L1	2	100A, 240V, 1PH	--	CONTRACTOR	--
--	SUBPANEL ENCLOSURE BOX	SQUARE D	MH26WVP	2	--	--	CONTRACTOR	--
--	PEDESTAL MOUNTING BASE	MILBANK	CP-16PDMNT-CALT	1	FOR 16" PEDESTAL	--	CONTRACTOR	--
JB	JUNCTION BOX	CHRISTY	B1324BOX WITH B1324-51JHG COVER	2	TRAFFIC-RATED AND GALVANIZED COVER	--	CONTRACTOR	--
S1	LED LIGHT	RAYON LIGHTING	T320LEDB-UNI12-100W-50K-BZ-T5-AMS-G2	23	TYPE V DISTRIBUTION, 100W, 13900LM, 120-277V, 5000K	--	CONTRACTOR	ILLUMINATES TWO PARKING ROWS
S2	LED LIGHT	RAYON LIGHTING	T320LEDB-UNI12-100W-50K-BZ-T3-AMS-G2	22	TYPE III DISTRIBUTION, 100W, 13900LM, 120-277V, 5000K	--	CONTRACTOR	ILLUMINATES ONE PARKING ROW
--	ENTRY/EXIT STATION	FLASH PARKING	ENTRY/EXIT SMART STATION	6	120V, 8A MAX	20A	CONTRACTOR	SEE SHEET E-18 FOR SPECIFICATIONS
--	ACCESS BARRIER	MAGNETIC AUTOCONTROL	ACCESS PRO L	6	--	20A	CONTRACTOR	SEE SHEET E-18 FOR SPECIFICATIONS

SHEET LIST TABLE

Sheet Number	Sheet Title
E-00	ELECTRICAL NOTES AND ABBREVIATIONS
E-01	OVERALL ELECTRICAL SITE PLAN
E-02	ELECTRICAL SITE PLAN - V2G EVSE
E-03	ELECTRICAL SITE PLAN - EV - PARKING LOT
E-05	SLD - EV - V2G EVSE
E-04	ELECTRICAL SITE PLAN - LIGHTING AND CONCESSIONS
E-06	SLD - EV - PARKING LOT
E-07	SLD - LIGHTING AND CONCESSIONS
E-08	CONDUIT AND WIRE SCHEDULES
E-09	ELECTRICAL DETAILS - PARKING LOT - 1
E-10	ELECTRICAL DETAILS - PARKING LOT - 2
E-11	ELECTRICAL DETAILS - PARKING LOT - 3
E-12	ELECTRICAL DETAILS - V2G EVSE
E-13	ELECTRICAL DETAILS - V2G EVSE ELEVATIONS
E-14	ELECTRICAL SPECIFICATIONS - V2G EVSE
E-15	ELECTRICAL SPECIFICATIONS - V2G EVSE - 2
E-16	ELECTRICAL SPECIFICATIONS - EV - PARKING LOT
E-17	ELECTRICAL SPECIFICATIONS - LIGHTING AND CONCESSIONS - 1
E-18	ELECTRICAL SPECIFICATIONS - LIGHTING AND CONCESSIONS - 2
E-19	ELECTRICAL SPECIFICATIONS - LIGHTING AND CONCESSIONS - 3
E-20	LIGHTING LAYOUT PLAN

ABBREVIATIONS

A	AMPERES
AC	ALTERNATING CURRENT
AFCI	ARC FAULT CIRCUIT INTERRUPTER
AIC	AMPS INTERRUPTING CAPACITY
AL	ALUMINUM
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
BTU	BRITISH THERMAL UNITS
C	CONDUIT
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CLF	CURRENT--LIMITING FUSE
CMIL	CIRCULAR MILS
CPT	CONTROL POWER TRANSFORMER
CT	CURRENT TRANSFORMER
CTRL	CONTROL
CU	COPPER
DC	DIRECT CURRENT
EL	ELEVATION
ESD	EMERGENCY SERVICE DISCONNECT
ETH	ETHERNET
EMT	ELECTRICAL METALLIC TUBING
EV	ELECTRIC VEHICLE
EVSE	ELECTRIC VEHICLE SUPPLY EQUIPMENT
FLA	FULL LOAD AMPS
FMC	FLEXIBLE METAL CONDUIT
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GND	GROUND
GALV	GALVANIZED
HZ	HERTZ
IND	INDICATOR/INDICATION
LFMC	LIQUID TIGHT FLEXIBLE METAL CONDUIT
MC	METAL CLAD CABLE
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MCP	MOTOR CIRCUIT PROTECTOR
MIN	MINIMUM
MLO	MAIN LUGS ONLY
MSB	MAIN SWITCHBOARD
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
O/H	OVERHEAD
PB	PUSH BUTTON
PNL	PANEL
PVC	POLYVINYL CHLORIDE
PWR	POWER
PT	POTENTIAL TRANSFORMER
QTY	QUANTITY
RC	RELATIVE COMPACTION
RGS	RIGID GALVANIZED STEEL
RMC	RIGID METAL CONDUIT
SLD	SINGLE LINE DIAGRAM
ST	SHUNT TRIP
TB	TERMINAL BLOCK
U/G	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
V	VOLT
V2G	VEHICLE TO GRID
VA	VOLT--AMPERE
VFD	VARIABLE FREQUENCY DRIVE
VT	VOLTAGE TRANSFORMER
W	WATT
XFMR	TRANSFORMER
*CONTACT THE ENGINEER FOR ABBREVIATIONS NOT LISTED	



CONTRACTOR TO PROVIDE SPECIFIED EQUIPMENT OR EQUAL



CALIFORNIA REDWOOD COAST
HUMBOLDT COUNTY AIRPORT
MCKINLEYVILLE, CA
PARKING LOT REHAB. PHASE 1

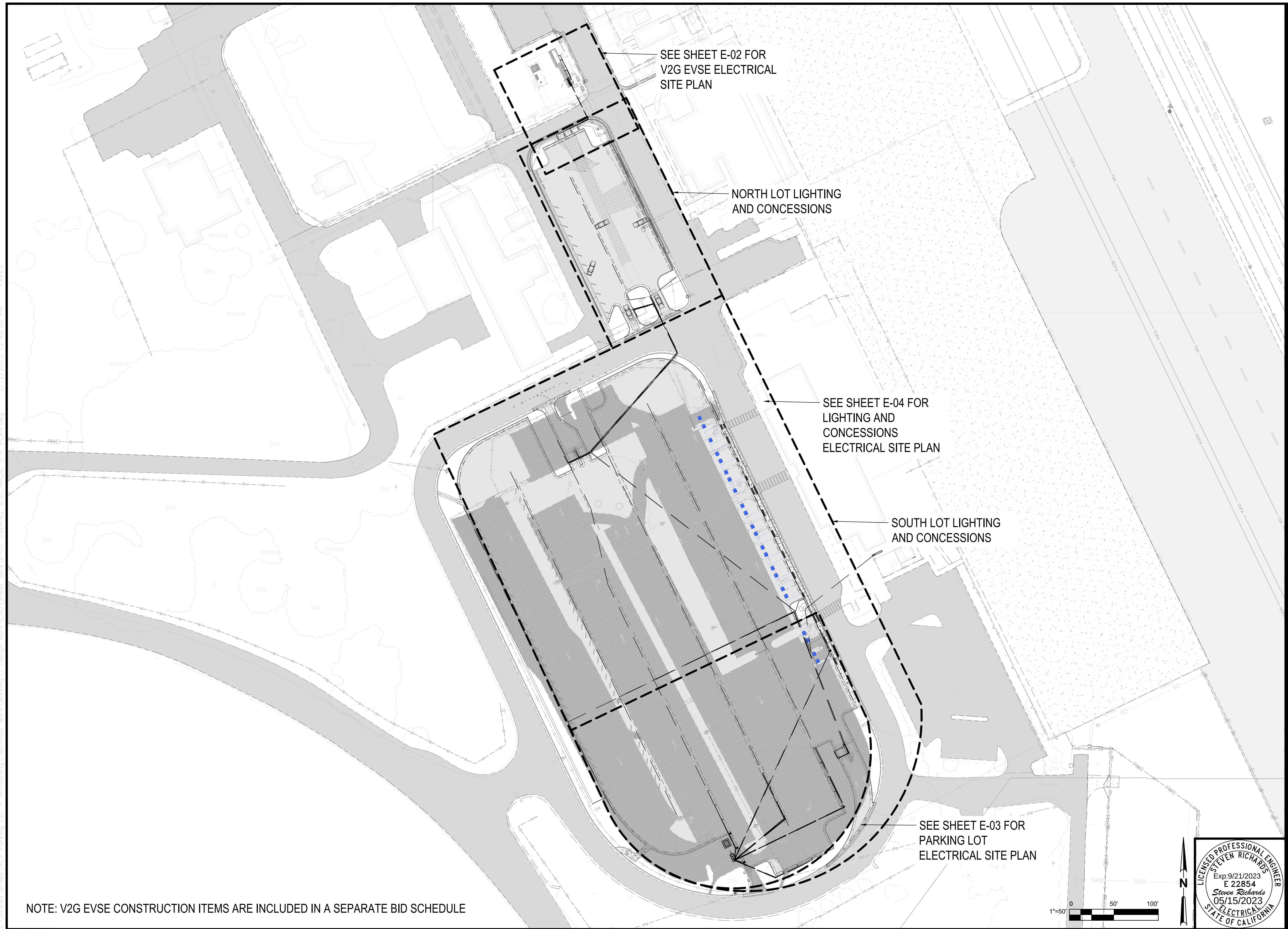
1	30 PERCENT DESIGN	1/23/23	KR						
2	60 PERCENT DESIGN	2/3/23	KR						
3	95 PERCENT DESIGN	3/2/23	KR						
4	100 PERCENT DESIGN	5/11/23	KR						
				No.	Revision	Date	By		

ACI No. E-00_E
Date: 02/2023
File Name:

Drawn: KR
Checked: SR, AH
Approved: SR

ELECTRICAL
NOTES &
ABBREVIATIONS

Sheet: E-00



NOTE: V2G EVSE CONSTRUCTION ITEMS ARE INCLUDED IN A SEPARATE BID SCHEDULE



CALIFORNIA REDWOOD COAST
HUMBOLDT COUNTY AIRPORT
MCKINLEYVILLE, CA
PARKING LOT REHAB. PHASE 1

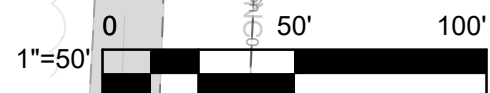
No.	Revision	Date	By
1	30 PERCENT DESIGN	1/24/23	AF
2	PG&E APPLICATION	2/02/23	AH
3	95 PERCENT DESIGN	3/24/23	AH
4	100 PERCENT DESIGN	4/24/23	AH

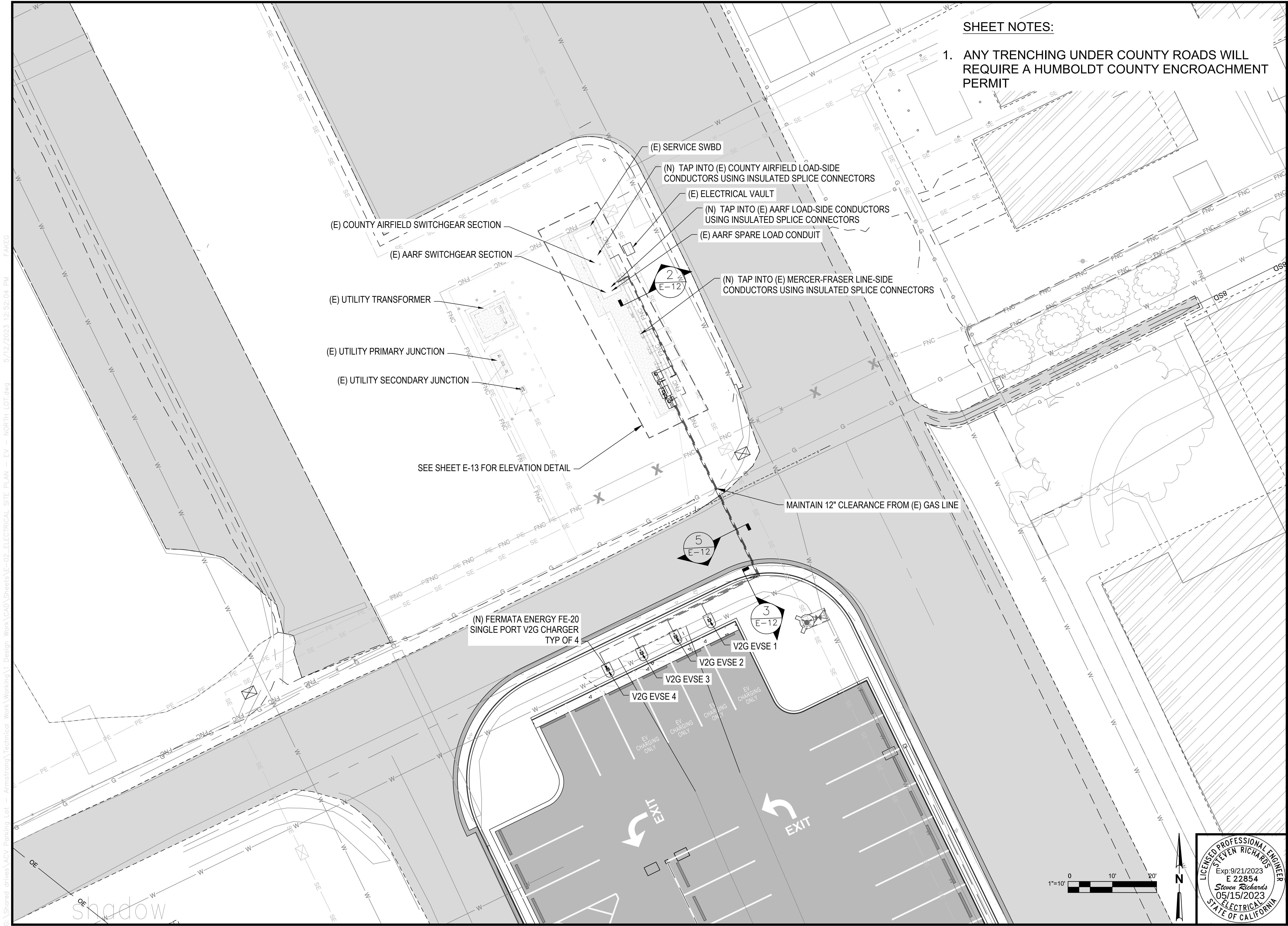
ACI No. E-01 O
Date: 02/2023
File Name:

Drawn: AH
Checked: ACVT
Approved: ACVT

OVERALL
ELECTRICAL
SITE PLAN

Sheet: E-01





SHEET NOTES:

- 1. ANY TRENCHING UNDER COUNTY ROADS WILL REQUIRE A HUMBOLDT COUNTY ENCROACHMENT PERMIT



CALIFORNIA REDWOOD COAST
HUMBOLDT COUNTY AIRPORT
MCKINLEYVILLE, CA
PARKING LOT REHAB. PHASE 1

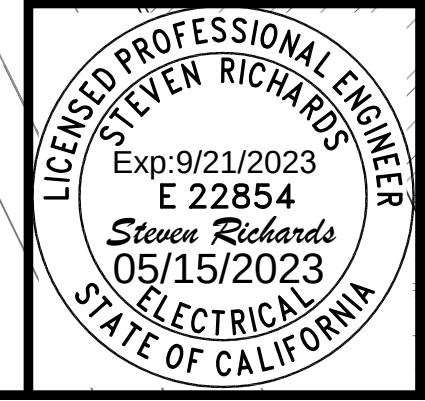
1	30 PERCENT DESIGN	1/24/23	AH						
2	PG&E APPLICATION	2/02/23	AH						
3	95 PERCENT DESIGN	3/23/23	AH						
4	100 PERCENT DESIGN	4/24/23	AH						
No	Revision	Date	By						

ACI No. E-02_E
Date: 02/2023
File Name:

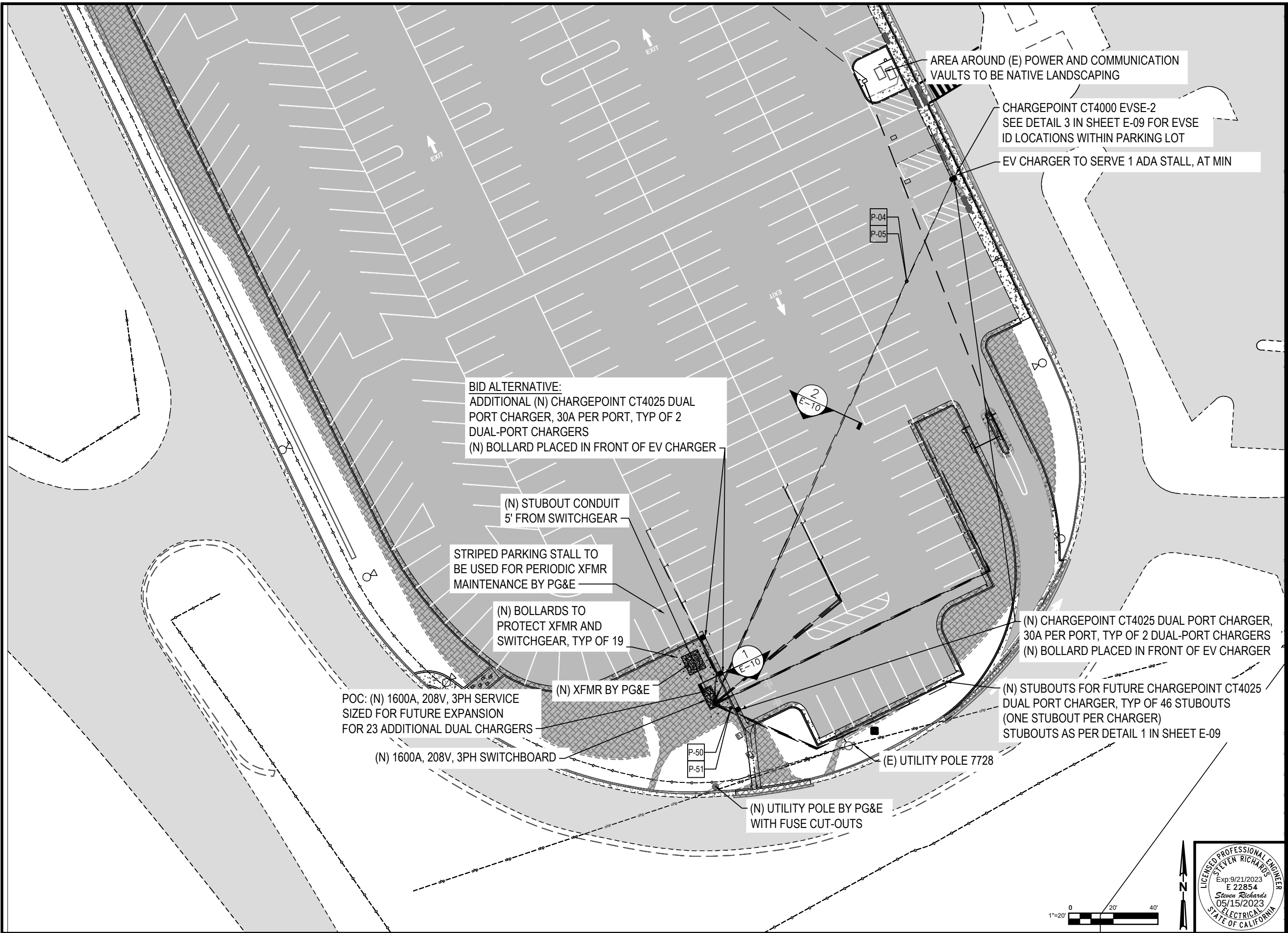
Drawn: AH
Checked: ACVT
Approved: ACVT

V2G EVSE
ELECTRICAL
SITE PLAN

Sheet: E-02



U:\shared drives\car parking lot - armstrong\technical work\working\040\Sheet E-03 Electrical Site Plan - EV - PARKING LOT.dwg 4/27/2023 5:52:41 PM KRR22



CALIFORNIA REDWOOD COAST
HUMBOLDT COUNTY AIRPORT
MCKINLEYVILLE, CA
PARKING LOT REHAB. PHASE 1

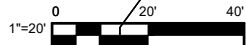
No.	Revision	Date	By
1	30 PERCENT DESIGN	1/23/23	KR
2	60 PERCENT DESIGN	2/3/23	KR
3	95 PERCENT DESIGN	3/24/23	KR
4	100 PERCENT DESIGN	5/12/23	KR

ACI No. E-03_E
Date: 02/2023
File Name:

Drawn: KR
Checked: SR
Approved: SR

PARKING LOT
EV ELECTRICAL
SITE PLAN

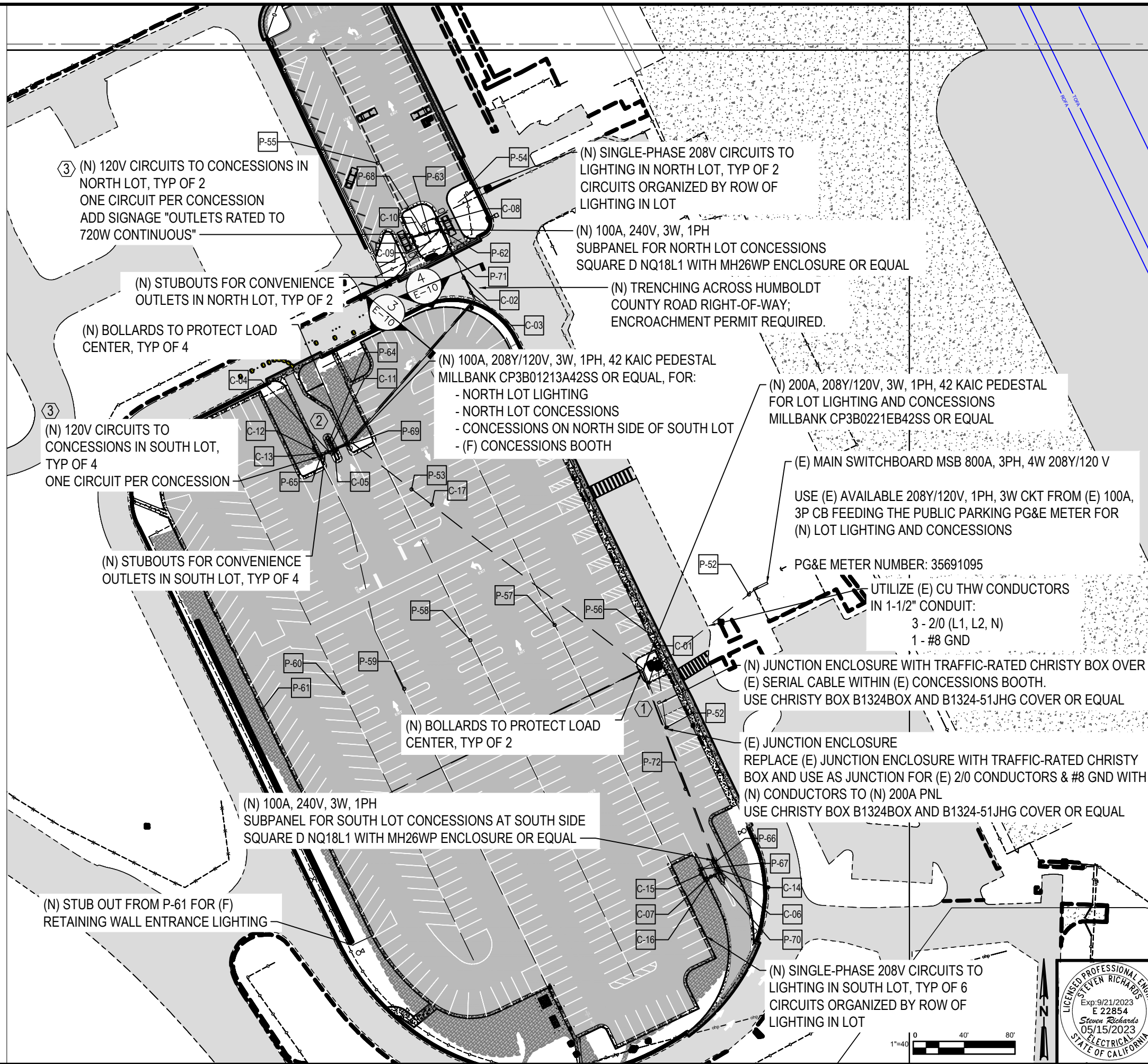
Sheet: E-03



U:\shared_drive\car parking lot - armstrong\technical\work\working\1 design\work\040\Sheet\E-04 ELECTRICAL SITE PLAN-LIGHTING & CONCESSIONS.dwg 5/11/2023 10:56:37 AM KRR22

SHEET KEYNOTES

- (E) CONCESSIONS BOOTH COMMUNICATION SERVICE IS NOT WELL DOCUMENTED.
- COMMUNICATION RACEWAYS ARE INTENDED TO OFFER A PATH TO MOVE THE SERVICE TO THE (N) PEDESTAL WITH RACEWAYS FROM THIS LOCATION TO THE (N) CONCESSIONS EQUIPMENT AT EACH ENTRY/EXIT LOCATION AND TO THE (F) CONCESSIONS BOOTH. CONTRACTOR IS RESPONSIBLE FOR ENSURING THIS INTENT IS MET BASED ON (E) SITE CONDITIONS.
- OUTLETS ARE FOR CONCESSIONAIRE USE ONLY AND SHALL BE PAD-LOCKABLE FOR THAT PURPOSE.



CALIFORNIA REDWOOD COAST
HUMBOLDT COUNTY AIRPORT
MCKINLEYVILLE, CA
PARKING LOT REHAB. PHASE 1

1	30 PERCENT DESIGN	1/23/23	KR						
2	60 PERCENT DESIGN	2/3/23	KR						
3	95 PERCENT DESIGN	3/27/23	KR						
4	100 PERCENT DESIGN	5/11/23	KR						
No.				Revision	Date	By			

ACI No. E-04_E
Date: 02/2023
File Name:

Drawn: KR
Checked: SR
Approved: SR

ELECTRICAL
SITE PLAN
LIGHTING &
CONCESSIONS

Sheet: E-04

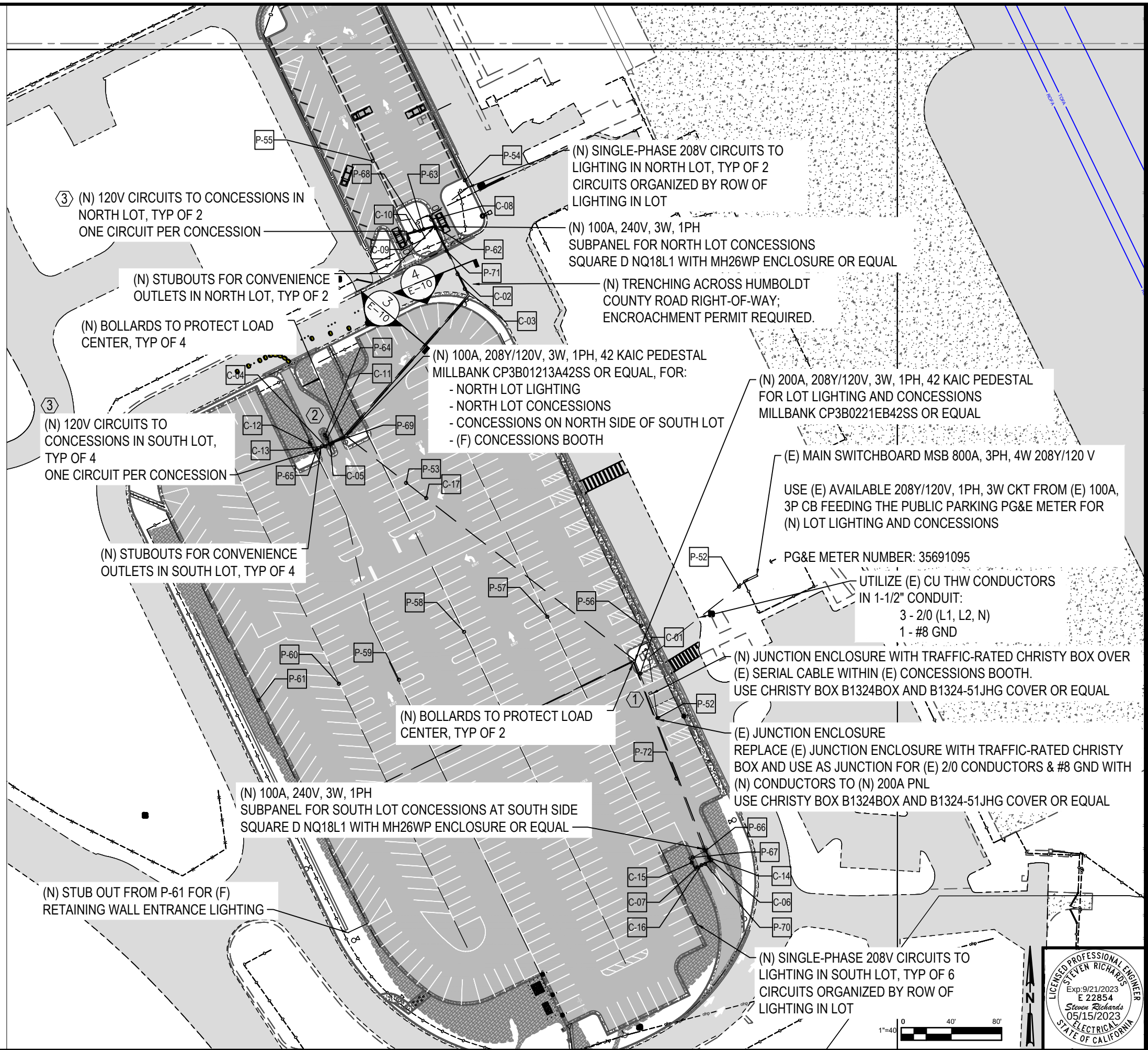


1"=40'

U:\shared_drive\car parking lot - armstrong\technical\work\working\1 design\work\040\Sheet\E-04 ELECTRICAL SITE PLAN-LIGHTING & CONCESSIONS.dwg 5/12/2023 1:50:12 PM KR222

SHEET KEYNOTES

- (E) CONCESSIONS BOOTH COMMUNICATION SERVICE IS NOT WELL DOCUMENTED.
- COMMUNICATION RACEWAYS ARE INTENDED TO OFFER A PATH TO MOVE THE SERVICE TO THE (N) PEDESTAL WITH RACEWAYS FROM THIS LOCATION TO THE (N) CONCESSIONS EQUIPMENT AT EACH ENTRY/EXIT LOCATION AND TO THE (F) CONCESSIONS BOOTH. CONTRACTOR IS RESPONSIBLE FOR ENSURING THIS INTENT IS MET BASED ON (E) SITE CONDITIONS.
- OUTLETS ARE FOR CONCESSIONAIRE USE ONLY AND SHALL BE PAD-LOCKABLE FOR THAT PURPOSE.



CALIFORNIA REDWOOD COAST
HUMBOLDT COUNTY AIRPORT
MCKINLEYVILLE, CA
PARKING LOT REHAB. PHASE 1

No.	Revision	Date	By
1	30 PERCENT DESIGN	1/23/23	KR
2	60 PERCENT DESIGN	2/3/23	KR
3	95 PERCENT DESIGN	3/27/23	KR
4	100 PERCENT DESIGN	5/11/23	KR
5	REVISION 1	5/12/23	KR

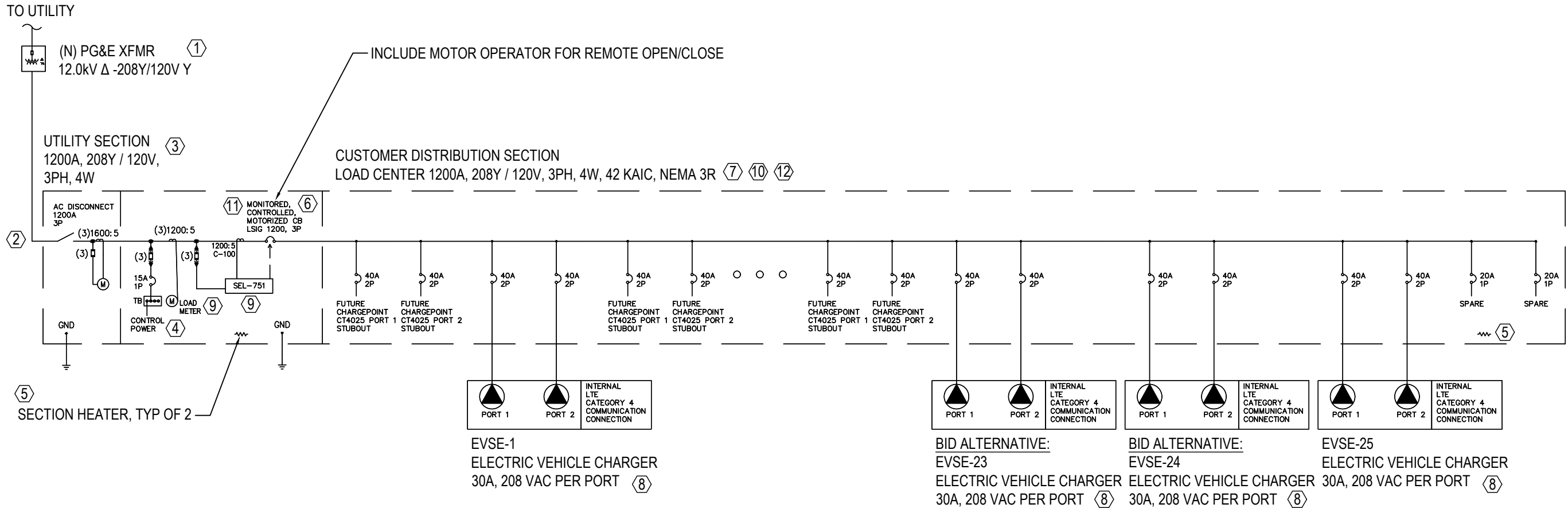
ACI No. E-04_E
Date: 02/2023
File Name:

Drawn: KR
Checked: SR
Approved: SR

ELECTRICAL
SITE PLAN
LIGHTING &
CONCESSIONS

Sheet: E-04

H:\Shared drives\AECV Parking Lot - Armstrong\Technical Work\Working\1. Design Work\040\Sheet\E-06_SLD - EV - PARKING LOT.dwg 5/11/2023 10:34:13 AM KRR22



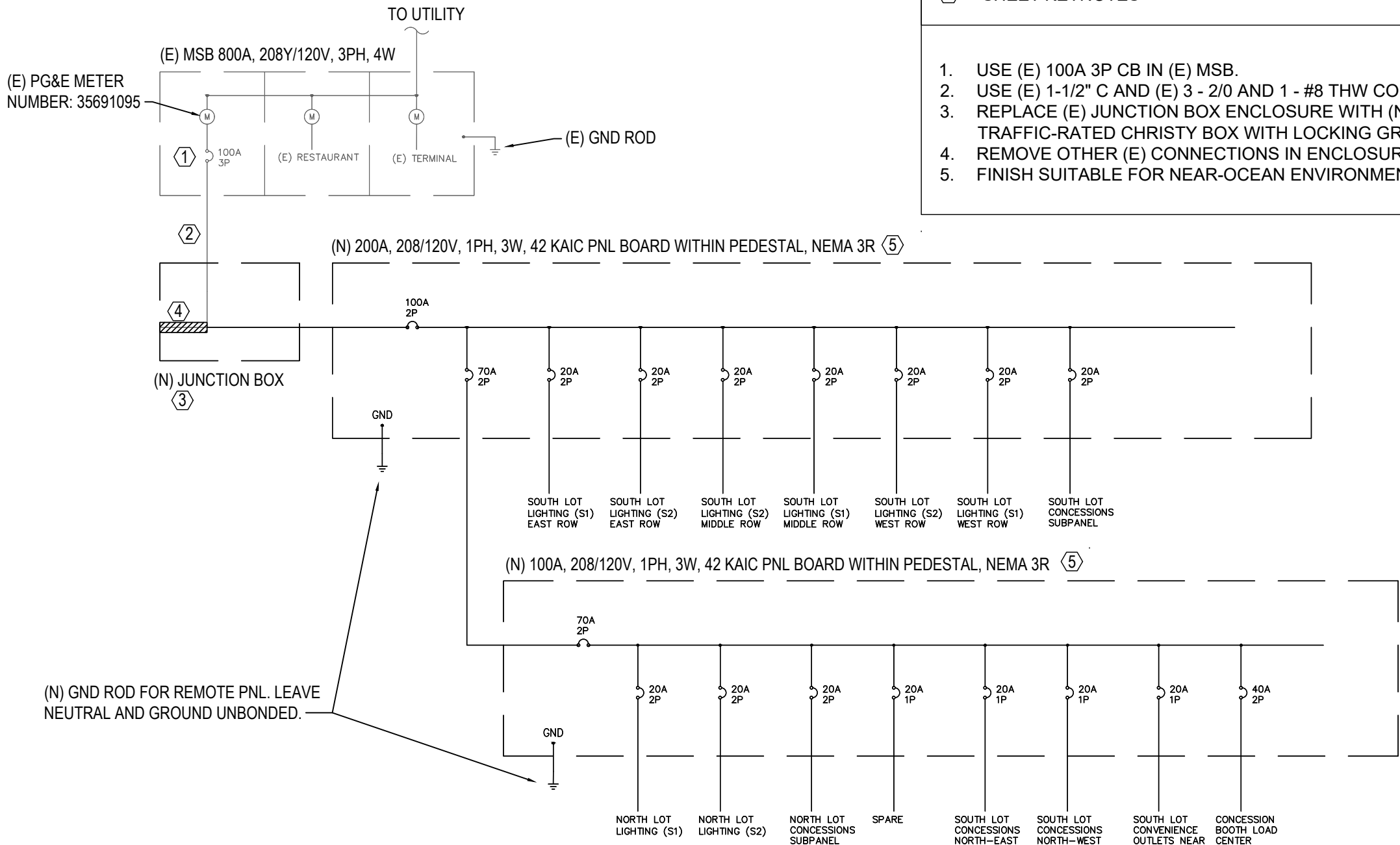
SHEET KEYNOTES

1. INSTALL XFMR PAD AND GROUND PER PG&E GREENBOOK REQUIREMENTS.
2. INSTALL 3" PVC SCHEDULE 40 WITH BELL ENDS PER GREENBOOK REQUIREMENTS. LEAVE PULLING TAPE FOR UTILITY TO INSTALL CONDUCTORS.
3. UTILITY SECTION CONFORMS TO EUSERC REQUIREMENTS. 7-JAW METER SOCKET INCLUDED FOR PG&E TO INSTALL PG&E-OWNED METER.
4. CONTROL POWER TO BE PROVIDED BY OWNER. INPUT TO CONTROL POWER: 120VAC; CONTROL POWER OUTPUT: 24VDC.
5. SWITCHGEAR VENDOR TO PROVIDE SECTION HEATERS ON A THERMOSTAT FOR CONDENSATION CONTROL.
6. MOTORIZED CB TO BE 100 PERCENT RATED.
7. FINISH SUITABLE FOR NEAR-OCEAN ENVIRONMENT.
8. EV CHARGER INCLUDES BUILT-IN GROUND FAULT INTERRUPTERS.
9. METER AND RELAY SHALL BE PROVIDED WITH 24-48V POWER SUPPLY VOLTAGE. RELAY SHALL BE PROVIDED WITH AN ADDITIONAL 4 DI 4DO CARD.
10. SWITCHBOARD SHALL BE PROVIDED WITH 8 2P, 40A BREAKERS, 2 1P, 20A BREAKERS, AND PROVISIONS FOR AN ADDITIONAL 42 2P, 40A BREAKERS
11. MOTOR OPERATOR AND SHUNT TRIP COILS SHALL BE POWERED FROM THE LINE SIDE.
12. SWITCHBOARD SUBMITTAL AND SHOP DRAWING APPROVAL BY EOR REQUIRED PRIOR TO PURCHASING.

PNL SCHEDULE

Main Ampacity	Main Phase	Panel Phase		Multiplier		Future Capacity		Total VA		Notes
		Panel Voltage	Panel	1 Phase	2 Phase	Panel Bus Capacity	Panel Bus Voltage	1 Phase	2 Phase	
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand	Demand	1.25	1.25	1.25	1.25	1.25	1.25	1.25
375	275	Non-Demand								

G:\Shared drives\ACV Parking Lot - Armstrong Technical Work\Working\1. Design Work\CAD Sheets\E-07_SLD - LIGHTING AND CONCESSIONS.dwg 5/15/2023 5:25:49 PM SCR64



SHEET KEYNOTES

- USE (E) 100A 3P CB IN (E) MSB.
- USE (E) 1-1/2" C AND (E) 3 - 2/0 AND 1 - #8 THW CONDUCTORS.
- REPLACE (E) JUNCTION BOX ENCLOSURE WITH (N) JUNCTION BOX, TRAFFIC-RATED CHRISTY BOX WITH LOCKING GRADE RING OR EQUAL.
- REMOVE OTHER (E) CONNECTIONS IN ENCLOSURE.
- FINISH SUITABLE FOR NEAR-OCEAN ENVIRONMENT.

MAIN PNL SCHEDULE: (N) 200A PNL BOARD

Main Ampacity	Main Breaker		Panel Phase	1	Multiplier	1	Future Capacity:	0%	42	kAIC	Total VA	32325.3		
	100		Panel Voltage	208	Per Phase KVA		Panel Bus Ampacity:	200	Panelboard					
Ckt	Description	Cont. Load	Non-cont. Load	Brkr*	Demand Factor	A	B	C	Demand Factor	Brkr*	Non-cont. Load	Cont. Load	Description	Ckt
1	Lighting and Concessions Sub Panel	40.8	6.4	60	1.00	10627.0			1	20		3.8	South Lot Lighting (S1) - East-most row	2
3	Lighting and Concessions Sub Panel	40.8	6.4	60	1.00		10627.0		1	20		3.8	South Lot Lighting (S1) - East-most row	4
5	South Lot Concession Subpanel	8.0	3.2	20	1	3259.1			1	20		4.5	South Lot Lighting (S1) - East row	6
7	South Lot Concession: Subapnel	8.0	0.2	20	1		2635.1		1	20		4.5	South Lot Lighting (S1) - Middle row	8
9						929.5			1	20		4.5	South Lot Lighting (S1) - Middle row	10
11							929.5		1	20		4.5	South Lot Lighting (S1) - Middle row	12
13						464.3			1	20		2.2	South Lot Lighting (S2) - Middle row	14
15							464.3		1	20		2.2	South Lot Lighting (S2) - Middle row	16
17						796.7			1	20		3.8	South Lot Lighting (S1) - West row	18
19							796.7		1	20		3.8	South Lot Lighting (S1) - West row	20
21						398.0			1	20		1.9	South Lot Lighting (S2) - West row	22
23							398.0		1	20		1.9	South Lot Lighting (S2) - West row	24
Total VA						16474.7	15850.7	0.0						
Total Current (A)						79.2	76.2	0.0						
Min Bus/Main Ampacity (A)						99.0	95.3	0.0						
Min Main Size (A)		100				100	100	20						

KIOSK SUB PNL SCHEDULE: (N) 100A PNL BOARD

Main Ampacity		Main Breaker		Panel Phase		1 Multiplier		1		Future Capacity:		0% 42 kAIC		Total VA		19220.6		
		70		Panel Voltage		208		Per Phase KVA		Panel Bus Ampacity:		100 Panelboard						
Ckt	Description			Cont. Load	Non-cont. Load	Brkr*	Demand Factor	A	B	C	Demand Factor	Brkr*	Non-cont. Load	Cont. Load	Description			Ckt
1	South Lot Concession: North-East			8.0	0.2	20	1	4041.7			1	20	3.2	8.0	North Lot Concession Subpanel			2
3	South Lot Concession: North-West			8.0	0.2	20	1		3417.7		1	20	0.2	8.0	North Lot Concession Subpanel			4
5	Concessions Booth Load Center			32.0		40	0.7	4858.2			1	20		1.0	North Lot Lighting (S2)			6
7	Concessions Booth Load Center			32.0		40	0.7		4858.2		1	20		1.0	North Lot Lighting (S2)			8
9	South Lot Convenience Outlets at Concessions				15.0	20	0.4	1646.4			1	20		1.9	North Lot Lighting (S1)			10
11									398.4		1	20		1.9	North Lot Lighting (S1)			12
Total VA								10546.3	8674.3	0.0								
Total Current (A)								50.7	41.7	0.0								
Min Bus/Main Ampacity (A)								61.0	52.0	0.0								
Min Main Size (A)								70	70	60	20							



CALIFORNIA REDWOOD COAST
HUMBOLDT COUNTY AIRPORT
MCKINLEYVILLE, CA
PARKING LOT REHAB. PHASE 1

1	30 PERCENT DESIGN	1/23/23	KR
2	60 PERCENT DESIGN	2/23/23	KR
3	95 PERCENT DESIGN	3/27/23	KR
4	100 PERCENT DESIGN	5/11/23	KR
5	100 PERCENT DESIGN	5/15/23	SR
No.	Revision	Date	By

ACI No. E-07_S
Date: 02/2023
File Name:

Drawn: KR
Checked: SR
Approved: SR

SINGLE LINE
DIAGRAM
LIGHTING &
CONCESSIONS

Sheet: E-07

AC CIRCUIT SCHEDULE - EV - PARKING LOT														
LINE	DESCRIPTION	FROM	TO	BRK OUT CURRENT (A)	NOMINAL VOLTAGE (V)	PHASE	MIN LENGTH (M)	CONDUIT/CABLE TYPE	CONDUIT/PURCHASING PARALLEL (")	CONDUIT LENGTH (")	VOLTAGE DROP	CONDUIT/CABLE SIZE	CONDUIT TYPE	NOTES
1	EV CHARGING STATION 1	EV CHARGING STATION 1	EV CHARGING STATION 1	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
2	EV CHARGING STATION 2	EV CHARGING STATION 2	EV CHARGING STATION 2	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
3	EV CHARGING STATION 3	EV CHARGING STATION 3	EV CHARGING STATION 3	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
4	EV CHARGING STATION 4	EV CHARGING STATION 4	EV CHARGING STATION 4	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
5	EV CHARGING STATION 5	EV CHARGING STATION 5	EV CHARGING STATION 5	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
6	EV CHARGING STATION 6	EV CHARGING STATION 6	EV CHARGING STATION 6	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
7	EV CHARGING STATION 7	EV CHARGING STATION 7	EV CHARGING STATION 7	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
8	EV CHARGING STATION 8	EV CHARGING STATION 8	EV CHARGING STATION 8	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
9	EV CHARGING STATION 9	EV CHARGING STATION 9	EV CHARGING STATION 9	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
10	EV CHARGING STATION 10	EV CHARGING STATION 10	EV CHARGING STATION 10	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
11	EV CHARGING STATION 11	EV CHARGING STATION 11	EV CHARGING STATION 11	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
12	EV CHARGING STATION 12	EV CHARGING STATION 12	EV CHARGING STATION 12	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
13	EV CHARGING STATION 13	EV CHARGING STATION 13	EV CHARGING STATION 13	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
14	EV CHARGING STATION 14	EV CHARGING STATION 14	EV CHARGING STATION 14	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
15	EV CHARGING STATION 15	EV CHARGING STATION 15	EV CHARGING STATION 15	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
16	EV CHARGING STATION 16	EV CHARGING STATION 16	EV CHARGING STATION 16	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
17	EV CHARGING STATION 17	EV CHARGING STATION 17	EV CHARGING STATION 17	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
18	EV CHARGING STATION 18	EV CHARGING STATION 18	EV CHARGING STATION 18	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
19	EV CHARGING STATION 19	EV CHARGING STATION 19	EV CHARGING STATION 19	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
20	EV CHARGING STATION 20	EV CHARGING STATION 20	EV CHARGING STATION 20	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
21	EV CHARGING STATION 21	EV CHARGING STATION 21	EV CHARGING STATION 21	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
22	EV CHARGING STATION 22	EV CHARGING STATION 22	EV CHARGING STATION 22	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
23	EV CHARGING STATION 23	EV CHARGING STATION 23	EV CHARGING STATION 23	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
24	EV CHARGING STATION 24	EV CHARGING STATION 24	EV CHARGING STATION 24	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
25	EV CHARGING STATION 25	EV CHARGING STATION 25	EV CHARGING STATION 25	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
26	EV CHARGING STATION 26	EV CHARGING STATION 26	EV CHARGING STATION 26	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
27	EV CHARGING STATION 27	EV CHARGING STATION 27	EV CHARGING STATION 27	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
28	EV CHARGING STATION 28	EV CHARGING STATION 28	EV CHARGING STATION 28	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
29	EV CHARGING STATION 29	EV CHARGING STATION 29	EV CHARGING STATION 29	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
30	EV CHARGING STATION 30	EV CHARGING STATION 30	EV CHARGING STATION 30	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
31	EV CHARGING STATION 31	EV CHARGING STATION 31	EV CHARGING STATION 31	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
32	EV CHARGING STATION 32	EV CHARGING STATION 32	EV CHARGING STATION 32	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
33	EV CHARGING STATION 33	EV CHARGING STATION 33	EV CHARGING STATION 33	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
34	EV CHARGING STATION 34	EV CHARGING STATION 34	EV CHARGING STATION 34	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
35	EV CHARGING STATION 35	EV CHARGING STATION 35	EV CHARGING STATION 35	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
36	EV CHARGING STATION 36	EV CHARGING STATION 36	EV CHARGING STATION 36	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
37	EV CHARGING STATION 37	EV CHARGING STATION 37	EV CHARGING STATION 37	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
38	EV CHARGING STATION 38	EV CHARGING STATION 38	EV CHARGING STATION 38	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
39	EV CHARGING STATION 39	EV CHARGING STATION 39	EV CHARGING STATION 39	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
40	EV CHARGING STATION 40	EV CHARGING STATION 40	EV CHARGING STATION 40	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
41	EV CHARGING STATION 41	EV CHARGING STATION 41	EV CHARGING STATION 41	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
42	EV CHARGING STATION 42	EV CHARGING STATION 42	EV CHARGING STATION 42	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
43	EV CHARGING STATION 43	EV CHARGING STATION 43	EV CHARGING STATION 43	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
44	EV CHARGING STATION 44	EV CHARGING STATION 44	EV CHARGING STATION 44	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
45	EV CHARGING STATION 45	EV CHARGING STATION 45	EV CHARGING STATION 45	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
46	EV CHARGING STATION 46	EV CHARGING STATION 46	EV CHARGING STATION 46	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
47	EV CHARGING STATION 47	EV CHARGING STATION 47	EV CHARGING STATION 47	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
48	EV CHARGING STATION 48	EV CHARGING STATION 48	EV CHARGING STATION 48	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
49	EV CHARGING STATION 49	EV CHARGING STATION 49	EV CHARGING STATION 49	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
50	EV CHARGING STATION 50	EV CHARGING STATION 50	EV CHARGING STATION 50	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
51	EV CHARGING STATION 51	EV CHARGING STATION 51	EV CHARGING STATION 51	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
52	EV CHARGING STATION 52	EV CHARGING STATION 52	EV CHARGING STATION 52	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
53	EV CHARGING STATION 53	EV CHARGING STATION 53	EV CHARGING STATION 53	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
54	EV CHARGING STATION 54	EV CHARGING STATION 54	EV CHARGING STATION 54	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
55	EV CHARGING STATION 55	EV CHARGING STATION 55	EV CHARGING STATION 55	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
56	EV CHARGING STATION 56	EV CHARGING STATION 56	EV CHARGING STATION 56	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
57	EV CHARGING STATION 57	EV CHARGING STATION 57	EV CHARGING STATION 57	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
58	EV CHARGING STATION 58	EV CHARGING STATION 58	EV CHARGING STATION 58	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
59	EV CHARGING STATION 59	EV CHARGING STATION 59	EV CHARGING STATION 59	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
60	EV CHARGING STATION 60	EV CHARGING STATION 60	EV CHARGING STATION 60	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
61	EV CHARGING STATION 61	EV CHARGING STATION 61	EV CHARGING STATION 61	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
62	EV CHARGING STATION 62	EV CHARGING STATION 62	EV CHARGING STATION 62	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
63	EV CHARGING STATION 63	EV CHARGING STATION 63	EV CHARGING STATION 63	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
64	EV CHARGING STATION 64	EV CHARGING STATION 64	EV CHARGING STATION 64	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
65	EV CHARGING STATION 65	EV CHARGING STATION 65	EV CHARGING STATION 65	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
66	EV CHARGING STATION 66	EV CHARGING STATION 66	EV CHARGING STATION 66	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
67	EV CHARGING STATION 67	EV CHARGING STATION 67	EV CHARGING STATION 67	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
68	EV CHARGING STATION 68	EV CHARGING STATION 68	EV CHARGING STATION 68	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
69	EV CHARGING STATION 69	EV CHARGING STATION 69	EV CHARGING STATION 69	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
70	EV CHARGING STATION 70	EV CHARGING STATION 70	EV CHARGING STATION 70	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
71	EV CHARGING STATION 71	EV CHARGING STATION 71	EV CHARGING STATION 71	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
72	EV CHARGING STATION 72	EV CHARGING STATION 72	EV CHARGING STATION 72	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
73	EV CHARGING STATION 73	EV CHARGING STATION 73	EV CHARGING STATION 73	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
74	EV CHARGING STATION 74	EV CHARGING STATION 74	EV CHARGING STATION 74	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
75	EV CHARGING STATION 75	EV CHARGING STATION 75	EV CHARGING STATION 75	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
76	EV CHARGING STATION 76	EV CHARGING STATION 76	EV CHARGING STATION 76	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
77	EV CHARGING STATION 77	EV CHARGING STATION 77	EV CHARGING STATION 77	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
78	EV CHARGING STATION 78	EV CHARGING STATION 78	EV CHARGING STATION 78	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
79	EV CHARGING STATION 79	EV CHARGING STATION 79	EV CHARGING STATION 79	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
80	EV CHARGING STATION 80	EV CHARGING STATION 80	EV CHARGING STATION 80	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
81	EV CHARGING STATION 81	EV CHARGING STATION 81	EV CHARGING STATION 81	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
82	EV CHARGING STATION 82	EV CHARGING STATION 82	EV CHARGING STATION 82	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
83	EV CHARGING STATION 83	EV CHARGING STATION 83	EV CHARGING STATION 83	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
84	EV CHARGING STATION 84	EV CHARGING STATION 84	EV CHARGING STATION 84	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
85	EV CHARGING STATION 85	EV CHARGING STATION 85	EV CHARGING STATION 85	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
86	EV CHARGING STATION 86	EV CHARGING STATION 86	EV CHARGING STATION 86	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
87	EV CHARGING STATION 87	EV CHARGING STATION 87	EV CHARGING STATION 87	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
88	EV CHARGING STATION 88	EV CHARGING STATION 88	EV CHARGING STATION 88	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
89	EV CHARGING STATION 89	EV CHARGING STATION 89	EV CHARGING STATION 89	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
90	EV CHARGING STATION 90	EV CHARGING STATION 90	EV CHARGING STATION 90	100	240	3	10	1/2" EMT	1/2"	10	0.00	1/2"	EMT	
91	EV													

[illegible]

COMMUNICATIONS CIRCUIT-SCHEDE - LIGHTING AND CONCESSIONS									
CATS	DESCRIPTION	FROM	TO	VOLTS (VAC)	LENGTH (FT)	MAX LENGTH (FT)	CONDUCTOR	REMARKS	NOTES
C-01	3-WIRE NETWORK CONNECTION	3-WIRE NETWORK CONNECTION IN CONCESSION BOOTH	SPUR/OUTER AND NETWORK 4 PORT SWIT	---	---	---	---	---	---
C-02	NETWORK CONNECTION FOR NORTH LOCS CONCESSIONS - EAST	NETWORK 4 PORT SWITCH	NETWORK AT NORTHLOCS CONCESSIONS - EAST	---	222	328	CABLE, SHIELDED	---	(1.34"x10" S400)
C-03	2-WIRE CONNECTION FOR SOUTH LOCS CONCESSIONS - WEST	NETWORK 4 PORT SWITCH	NETWORK AT SOUTHLOCS CONCESSIONS - WEST	---	---	---	CABLE, SHIELDED	---	(1.34"x10" S400)
C-04	NETWORK CONNECTION FOR SOUTH LOCS CONCESSIONS - NORTH EAST	NETWORK 4 PORT SWITCH	NETWORK AT SOUTHLOCS CONCESSIONS - NORTH EAST	---	26	328	CABLE, SHIELDED	---	(1.34"x10" S400)
C-05	2-WIRE CONNECTION FOR SOUTH LOCS CONCESSIONS - NORTH WEST	NETWORK 4 PORT SWITCH	NETWORK AT SOUTHLOCS CONCESSIONS - NORTH WEST	---	---	---	CABLE, SHIELDED	---	(1.34"x10" S400)
C-06	NETWORK CONNECTION FOR SOUTH LOCS CONCESSIONS - SOUTH EAST	NETWORK 4 PORT SWITCH	NETWORK AT SOUTHLOCS CONCESSIONS - SOUTH EAST	---	182	328	CABLE, SHIELDED	---	(1.34"x10" S400)
C-07	2-WIRE CONNECTION FOR SOUTH LOCS CONCESSIONS - SOUTH WEST	NETWORK 4 PORT SWITCH	NETWORK AT SOUTHLOCS CONCESSIONS - SOUTH WEST	---	---	---	CABLE, SHIELDED	---	(1.34"x10" S400)
C-08	GATE CONNECTION FOR NORTH LOCS CONCESSIONS - EAST	CONNECTION POINT GATE	CONNECTION POINT GATE	120	23	---	21 AWG, 8-CONDUCTOR THINWALL COMM CABLE	---	(1.34"x10" S400)
C-09	GATE CONNECTION FOR NORTH LOCS CONCESSIONS - WEST	CONNECTION POINT GATE	CONNECTION POINT GATE	120	23	---	21 AWG, 8-CONDUCTOR THINWALL COMM CABLE	---	(1.34"x10" S400)
C-10	CONNECTION POINTS ARENNA AT NORTH LOCS	NETWORK AT NORTHLOCS CONCESSIONS - EAST	NETWORK AT NORTHLOCS CONCESSIONS - WEST	120	27	328	CABLE, SHIELDED	---	(1.34"x10" S400)
C-11	GATE CONNECTION FOR SOUTH LOCS CONCESSIONS - NORTH EAST	NETWORK AT SOUTHLOCS CONCESSIONS - NORTH EAST	CONNECTION POINT GATE	120	22	---	21 AWG, 8-CONDUCTOR THINWALL COMM CABLE	---	(1.34"x10" S400)
C-12	CONNECTION POINTS ARENNA AT SOUTH LOCS	NETWORK AT SOUTHLOCS CONCESSIONS - NORTH WEST	CONNECTION POINT GATE	120	26	328	21 AWG, 8-CONDUCTOR THINWALL COMM CABLE	---	(1.34"x10" S400)
C-13	CONNECTION POINTS ARENNA AT SOUTH LOCS CONCESSIONS - NORTH EAST	NETWORK AT SOUTHLOCS CONCESSIONS - NORTH EAST	CONNECTION POINT GATE	120	26	328	CABLE, SHIELDED	---	(1.34"x10" S400)
C-14	CONNECTION POINTS ARENNA AT SOUTH LOCS CONCESSIONS - SOUTH EAST	NETWORK AT SOUTHLOCS CONCESSIONS - SOUTH EAST	CONNECTION POINT GATE	120	---	---	21 AWG, 8-CONDUCTOR THINWALL COMM CABLE	---	(1.34"x10" S400)
C-15	GATE CONNECTION FOR SOUTH LOCS CONCESSIONS - SOUTH WEST	NETWORK AT SOUTHLOCS CONCESSIONS - SOUTH WEST	CONNECTION POINT GATE	120	22	---	21 AWG, 8-CONDUCTOR THINWALL COMM CABLE	---	(1.34"x10" S400)
C-16	CONNECTION POINTS ARENNA AT SOUTH LOCS CONCESSIONS - SOUTH WEST	NETWORK AT SOUTHLOCS CONCESSIONS - SOUTH WEST	CONNECTION POINT GATE	120	---	---	CABLE, SHIELDED	---	(1.34"x10" S400)
C-17	NETWORK CONNECTION FOR CONCESSIONS BOOTH	NETWORK 4 PORT SWITCH	LIGHTING/CONCESSIONS SUPPLYLINE - NEAR 01	---	303	328	CABLE, SHIELDED	---	(1.34"x10" S400)

CIRCUIT	DESCRIPTION	FROM	TO	DESIGN CURRENT (A)	NOMINAL VOLTAGE (V)	TEMP DEGREE	RATED CONDUCTOR SIZE (AWG)	CONDUCTOR CABLE TYPE	CONDUCTOR CODE, MINN SIZE AND TYPE	CURR (A)	CONDUCTOR PERMITTED AMPACITY (A)	ONE WAY LENGTH (FT)	VOLTAGE DROP	CONDUIT CODE, MINN SIZE AND TYPE	CONDUIT FILL	NOTES
P-76	FEEEDER TO VSD 1 SYSTEM	COURT AIRFIELD TAP	FEEEDER TO PML 1	26	208	1.00	0.80	(E) R9 CU THHN/TW/THL (U) R9 CU THHN/TW/THL (COND)		80	80	40	0.08%	(1) 1/2" SCH 40 PVC	(1) 1/2" SCH 40 PVC	--
P-74	FEEEDER TO VSD 2 SYSTEM	AIRFB BLDGS TAP	FEEEDER TO PML 2	26	208	1.00	0.80	(E) R9 CU THHN/TW/THL (U) R9 CU THHN/TW/THL (COND)		175	184	52	0.61%	(1) 1/2" SCH 40 PVC	(1) 1/2" SCH 40 PVC	--
P-75	FEEEDER TO VSD 3 SYSTEM	ENTERPRISE (EMERGENCY FRACHTZ) TAP	FEEEDER TO PML 3	26	208	1.00	0.80	(E) R9 CU THHN/TW/THL (U) R9 CU THHN/TW/THL (COND)		80	80	20	0.33%	(1) 1/2" SCH 40 PVC	(1) 1/2" SCH 40 PVC	--
P-76	FEEEDER TO VSD EMER VMR 1	PML 1 BREAKER	VSD EMER VMR 1	26	208	1.00	0.80	(E) R9 CU THHN/TW/THL (U) R9 CU THHN/TW/THL (COND)		80	80	13	0.35%	(1) 1/2" SCH 40 PVC	(1) 1/2" SCH 40 PVC	--
P-77	FEEEDER TO VSD EMER VMR 2	PML 2 BREAKER	VSD EMER VMR 2	26	208	1.00	0.80	(E) R9 CU THHN/TW/THL (U) R9 CU THHN/TW/THL (COND)		175	184	12	0.36%	(1) 1/2" SCH 40 PVC	(1) 1/2" SCH 40 PVC	--
P-78	FEEEDER TO VSD EMER VMR 3	PML 3 BREAKER	VSD EMER VMR 3	26	208	1.00	0.80	(E) R9 CU THHN/TW/THL (U) R9 CU THHN/TW/THL (COND)		80	80	13	0.35%	(1) 1/2" SCH 40 PVC	(1) 1/2" SCH 40 PVC	--
P-79	FEEEDER TO VSD EMER VMR 1	DS-LEVEL 1	DS-LEVEL 1	26	400	1.00	0.80	(E) R9 CU THHN/TW/THL (U) R9 CU THHN/TW/THL (COND)		40	40	72	0.46%	(1) 1" SCH 40 PVC	(1) 1" SCH 40 PVC	--
P-80	FEEEDER TO VSD EMER VMR 2	DS-LEVEL 2	DS-LEVEL 2	26	400	1.00	0.80	(E) R9 CU THHN/TW/THL (U) R9 CU THHN/TW/THL (COND)		40	40	75	0.47%	(1) 1" SCH 40 PVC	(1) 1" SCH 40 PVC	--
P-81	FEEEDER TO VSD EMER VMR 3	DS-LEVEL 3	DS-LEVEL 3	26	400	1.00	0.80	(E) R9 CU THHN/TW/THL (U) R9 CU THHN/TW/THL (COND)		40	40	75	0.47%	(1) 1" SCH 40 PVC	(1) 1" SCH 40 PVC	--
P-82	FEEEDER TO VSD EMER VMR 4	DS-LEVEL 4	DS-LEVEL 4	26	400	1.00	0.80	(E) R9 CU THHN/TW/THL (U) R9 CU THHN/TW/THL (COND)		40	40	83	0.56%	(1) 1" SCH 40 PVC	(1) 1" SCH 40 PVC	--
P-83	FEEEDER TO MTR 1	PML 1 BREAKER	MTR 1	26	208	1.00	0.80	(E) R4 CU THHN/TW/THL (U) R4 CU THHN/TW/THL (COND)		15	16	2	0.03%	(1) 1/2" SCH 40 PVC	(1) 1/2" SCH 40 PVC	--
P-84	FEEEDER TO MTR 2	PML 2 BREAKER	MTR 2	26	208	1.00	0.80	(E) R4 CU THHN/TW/THL (U) R4 CU THHN/TW/THL (COND)		15	16	2	0.03%	(1) 1/2" SCH 40 PVC	(1) 1/2" SCH 40 PVC	--
P-85	FEEEDER TO MTR 3	PML 3 BREAKER	MTR 3	26	208	1.00	0.80	(E) R4 CU THHN/TW/THL (U) R4 CU THHN/TW/THL (COND)		15	16	2	0.03%	(1) 1/2" SCH 40 PVC	(1) 1/2" SCH 40 PVC	--

CKT#	DESCRIPTION	FROM	TO	VOLTS (VAC)	LENGTH (FT)	MAX LENGTH (FT)	CONDUCTOR	RACEWAY	NOTES
C-18	EVSE 1 CONNECTION TO EV LINK	EVSE1	EV LINK NETWORK SWITCH	--	62	328	CAT6, SHIELDED	(1) 3/4" SCH 80	--
C-19	EVSE 1 CONNECTION TO EV LINK	EVSE2	EV LINK NETWORK SWITCH	--	65	328	CAT6, SHIELDED	(1) 3/4" SCH 80	--
C-20	EVSE 1 CONNECTION TO EV LINK	EVSE3	EV LINK NETWORK SWITCH	--	65	328	CAT6, SHIELDED	(1) 3/4" SCH 80	--
C-21	EVSE 1 CONNECTION TO EV LINK	EVSE4	EV LINK NETWORK SWITCH	--	73	328	CAT6, SHIELDED	(1) 3/4" SCH 80	--
C-22	MTR 1 CONNECTION TO EV LINK	MTR1	EV LINK NETWORK SWITCH	--	15	328	CAT6, SHIELDED	(1) 3/4" SCH 80	--
C-23	MTR 1 CONNECTION TO EV LINK	MTR2	EV LINK NETWORK SWITCH	--	5	328	CAT6, SHIELDED	(1) 3/4" SCH 80	--
C-24	MTR 1 CONNECTION TO EV LINK	MTR3	EV LINK NETWORK SWITCH	--	15	328	CAT6, SHIELDED	(1) 3/4" SCH 80	--
C-25	CT CIRCUIT TO MTR 1	AIRFIELD SWGR COMPARTMENT	MTR 1	--	33	--	14 AWG THHN/THWN	(1) 3/4" SCH 80	--
C-26	GATE CONNECTION FOR NORTH LOT CONCESSIONS - WEST	ARFF SWGR COMPARTMENT	MTR 2	--	45	--	14 AWG THHN/THWN	(1) 3/4" SCH 80	--
C-27	CONNECTION BETWEEN KIOSKS AT NORTH LOT	ENTERPRISE (MERCER FRAZIER) MAIN PNL	MTR 3	--	11	--	14 AWG THHN/THWN	(1) 3/4" SCH 80	--



CALIFORNIA REDWOOD COAST
HUMBOLDT COUNTY AIRPORT
MCKINLEYVILLE, CA
PARKING LOT REHAB. PHASE 1

1	30 PERCENT DESIGN	1/23/23	KR
2	60 PERCENT DESIGN	2/3/23	KR
3	95 PERCENT DESIGN	3/27/23	KR/SR
4	100 PERCENT DESIGN	5/12/23	KR
5	100 PERCENT DESIGN	5/15/23	KR

ACI No. E-08_C
Date: 02/2023
File Name:

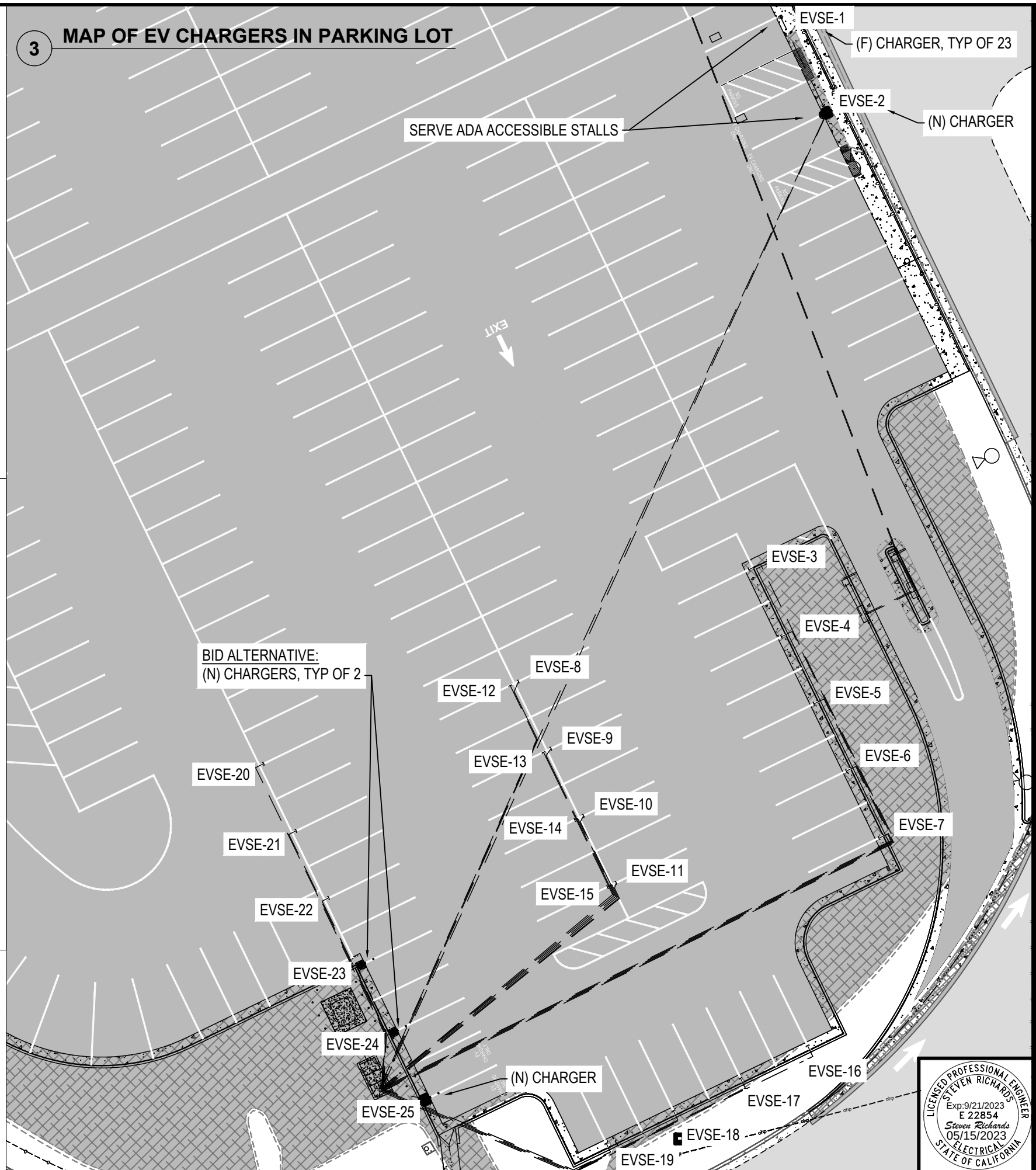
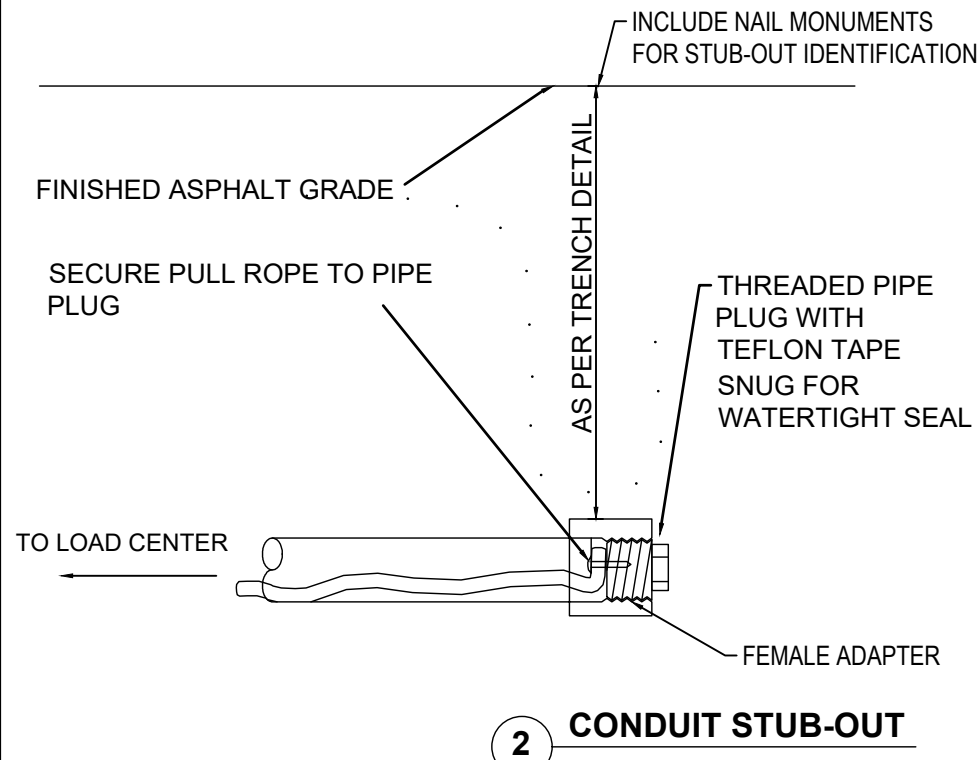
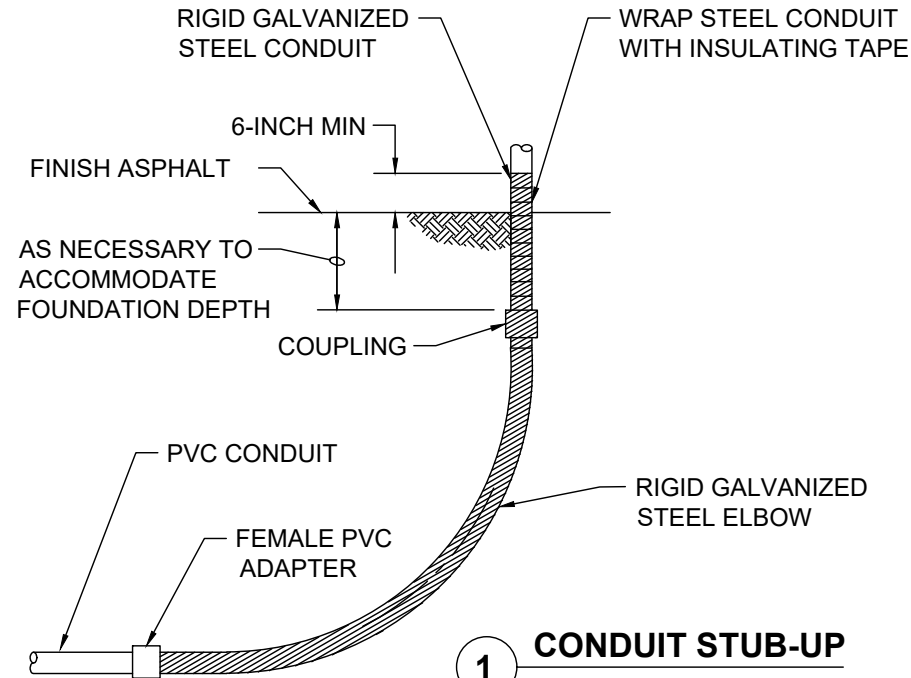
Drawn: KR/SR
Checked: SR/KR
Approved: SR

CONDUIT & WIRE SCHEDULES

Sheet: E-08



H:\shared drives\car parking lot - armstrong\technical work\working\1 design work\040 Sheets\E-09 ELECTRICAL DETAILS - PARKING LOT - 1.dwg 5/11/2023 11:23:36 AM KR222



CALIFORNIA REDWOOD COAST
HUMBOLDT COUNTY AIRPORT
MCKINLEYVILLE, CA
PARKING LOT REHAB. PHASE 1

No.	Revision	Date	By
1	30 PERCENT DESIGN	1/23/23	KR
2	60 PERCENT DESIGN	2/2/23	KR
3	95 PERCENT DESIGN	3/24/23	KR
4	100 PERCENT DESIGN	5/11/23	KR
5	REVISION 1	5/12/23	KR

ACI No. E-09_E
Date: 02/2023
File Name:

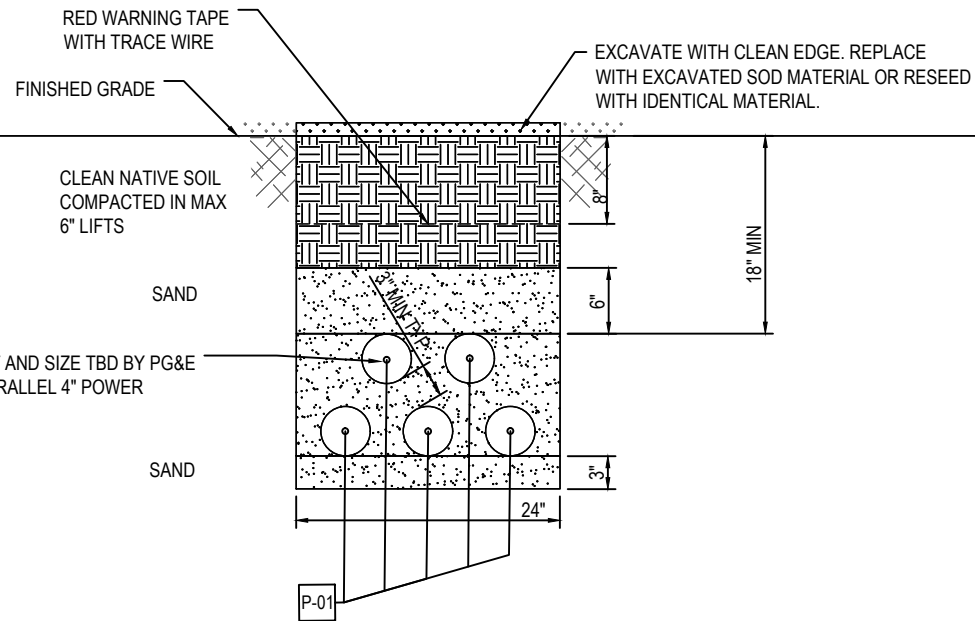
Drawn: KR
Checked: SR
Approved: SR

ELECTRICAL
DETAILS
PARKING LOT

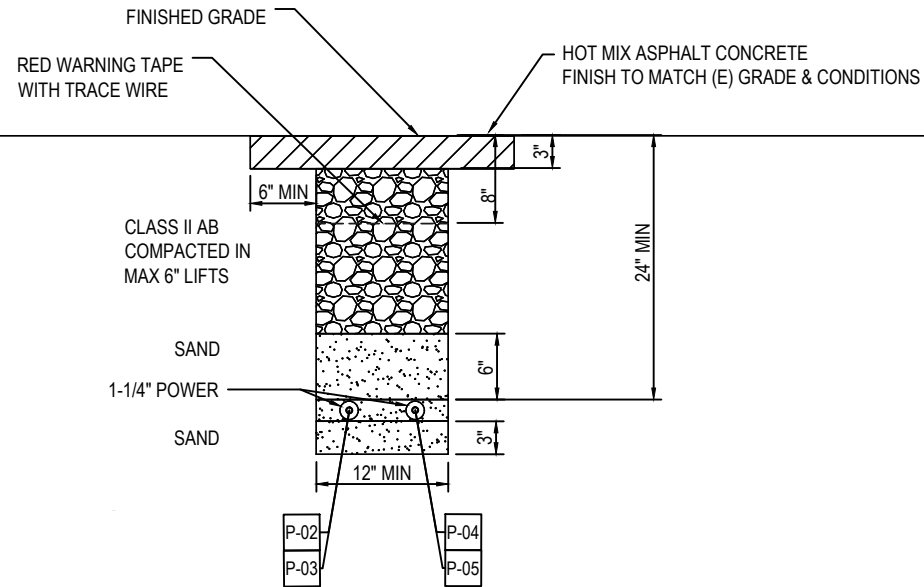
Sheet: E-09



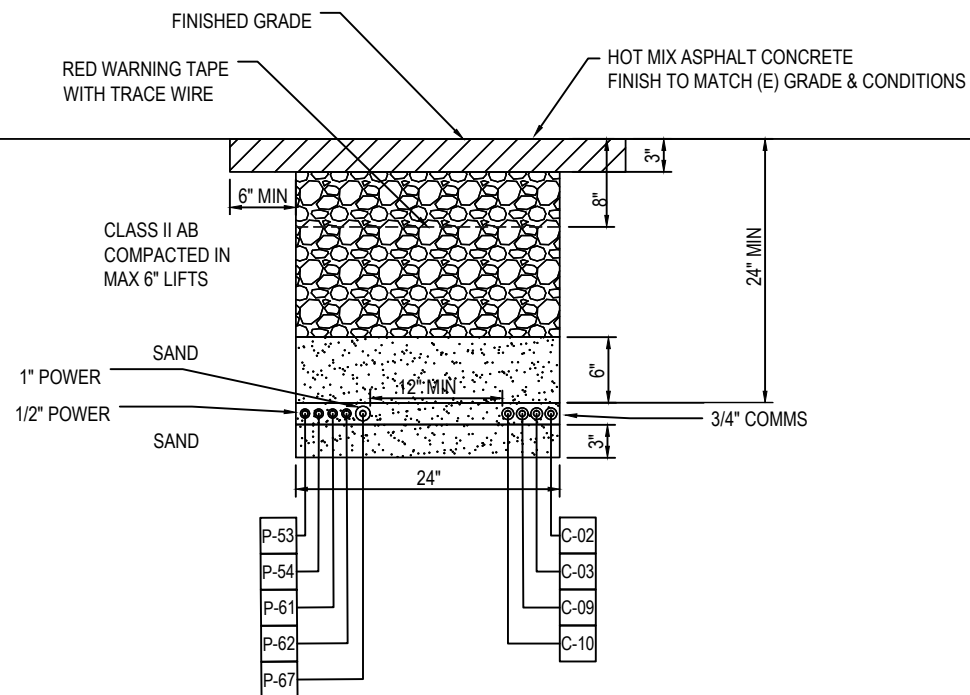
H:\shared drives\cor parking lot - armstrong\technical work\Working\1 design work\CAD\Sheet\E-10 ELECTRICAL DETAILS - PARKING LOT.dwg 3/28/2023 12:50:22 AM SOR64



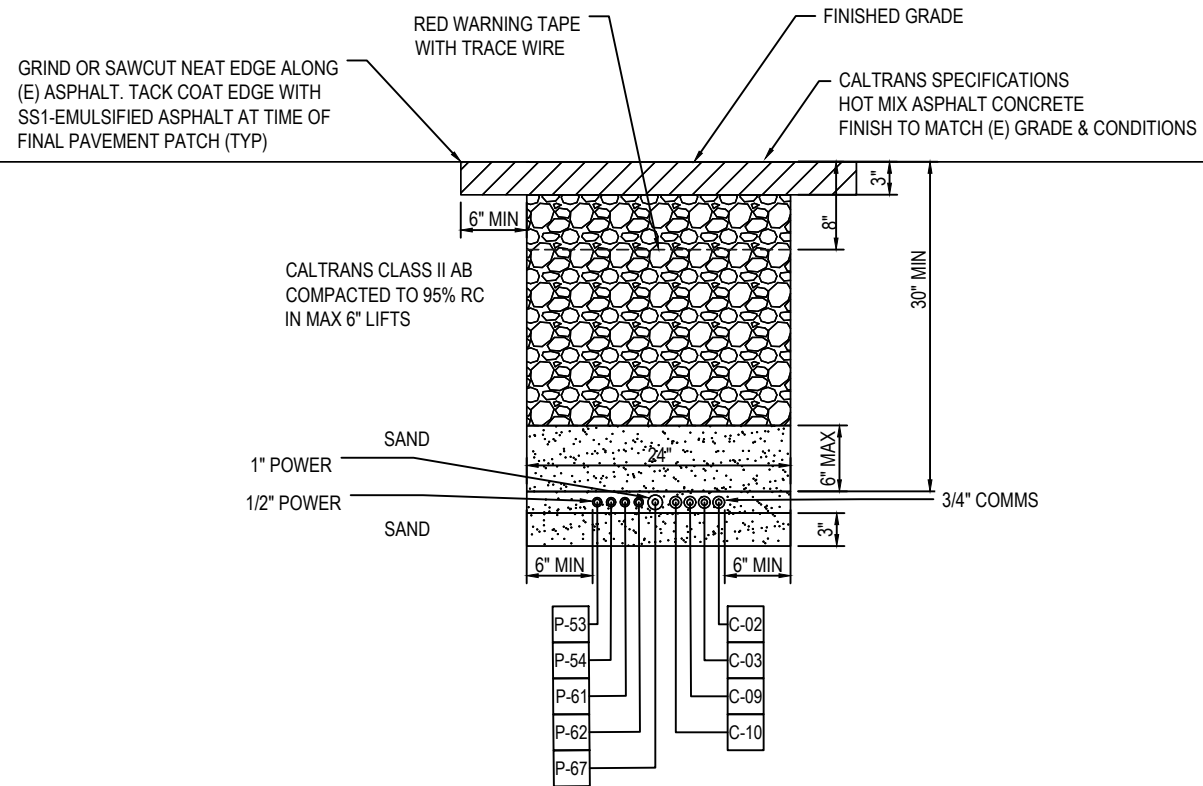
1 TRENCH - 1 - 208V SECONDARY SERVICE TO PG&E METER



2 TRENCH - 2 - EV CHARGER POWER



3 TRENCH - 3 - CONCESSIONS & LIGHTING POWER UNDER PARKING LOT



4 TRENCH - 4 - CONCESSIONS & LIGHTING POWER UNDER ROAD



CALIFORNIA REDWOOD COAST
HUMBOLDT COUNTY AIRPORT
MCKINLEYVILLE, CA
PARKING LOT REHAB. PHASE 1

1	60 PERCENT DESIGN	2/3/23	KR
2	95 PERCENT DESIGN	3/27/23	KR
3	100 PERCENT DESIGN	5/11/23	KR
No.	Revision	Date	By

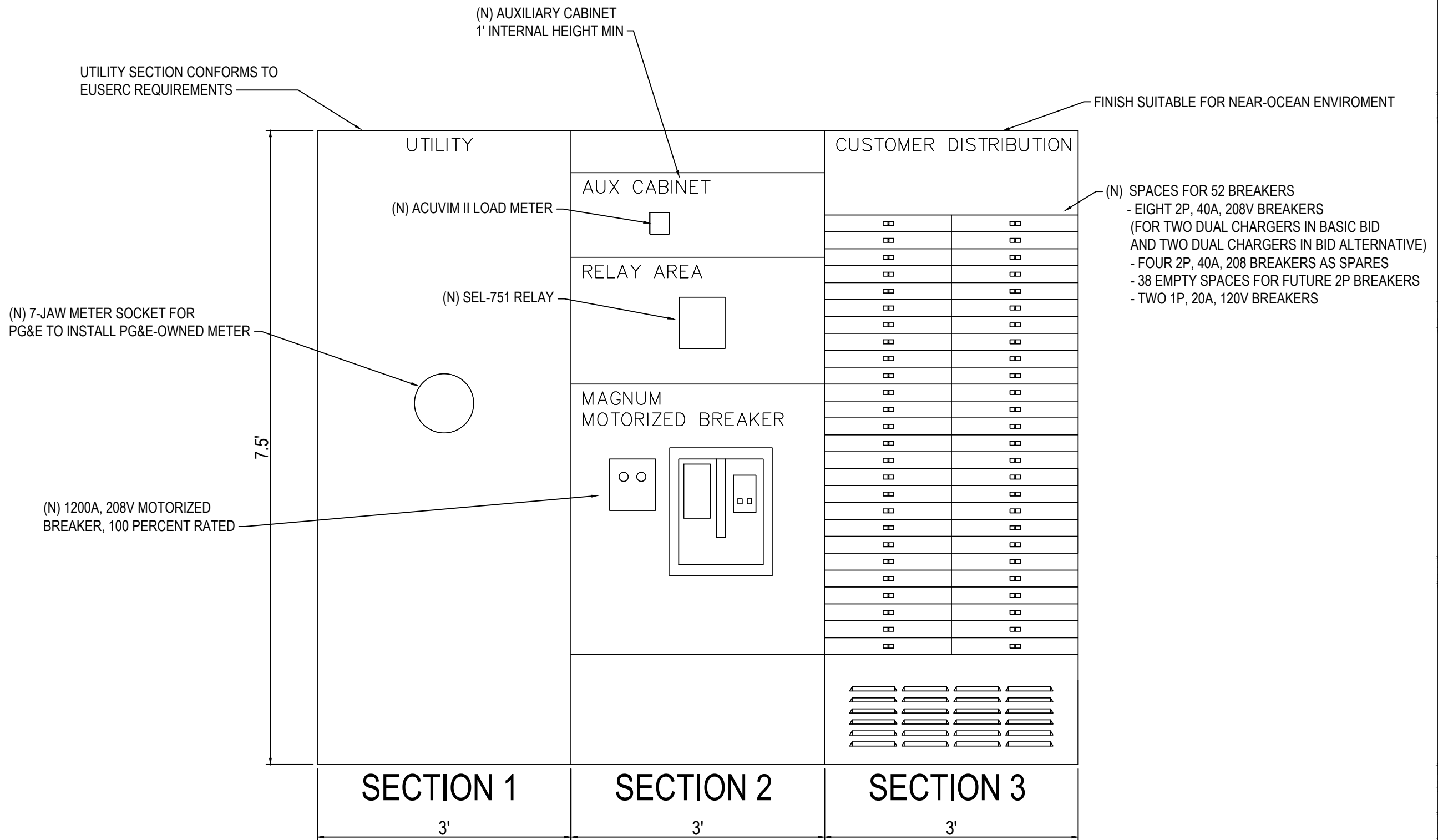
ACI No. E-10_E
Date: 02/2023
File Name:

Drawn: KR
Checked: SR
Approved: SR

ELECTRICAL
DETAILS
PARKING LOT

Sheet: E-10

H:\shared drives\cor parking lot - armstrong\technical work\Working\1 design work\CAD\Sheet\E-11_ELECTRICAL DETAILS - PARKING LOT - 3.dwg 4/27/2023 7:29:41 PM KRR22



1 PARKING LOT EVSE SWITCHGEAR



CALIFORNIA REDWOOD COAST
HUMBOLDT COUNTY AIRPORT
MCKINLEYVILLE, CA
PARKING LOT REHAB. PHASE 1

No.	Revision	Date	By
1	90 PERCENT DESIGN	3/15/23	KR
2	95 PERCENT DESIGN	3/27/23	KR
3	100 PERCENT DESIGN	5/11/23	KR

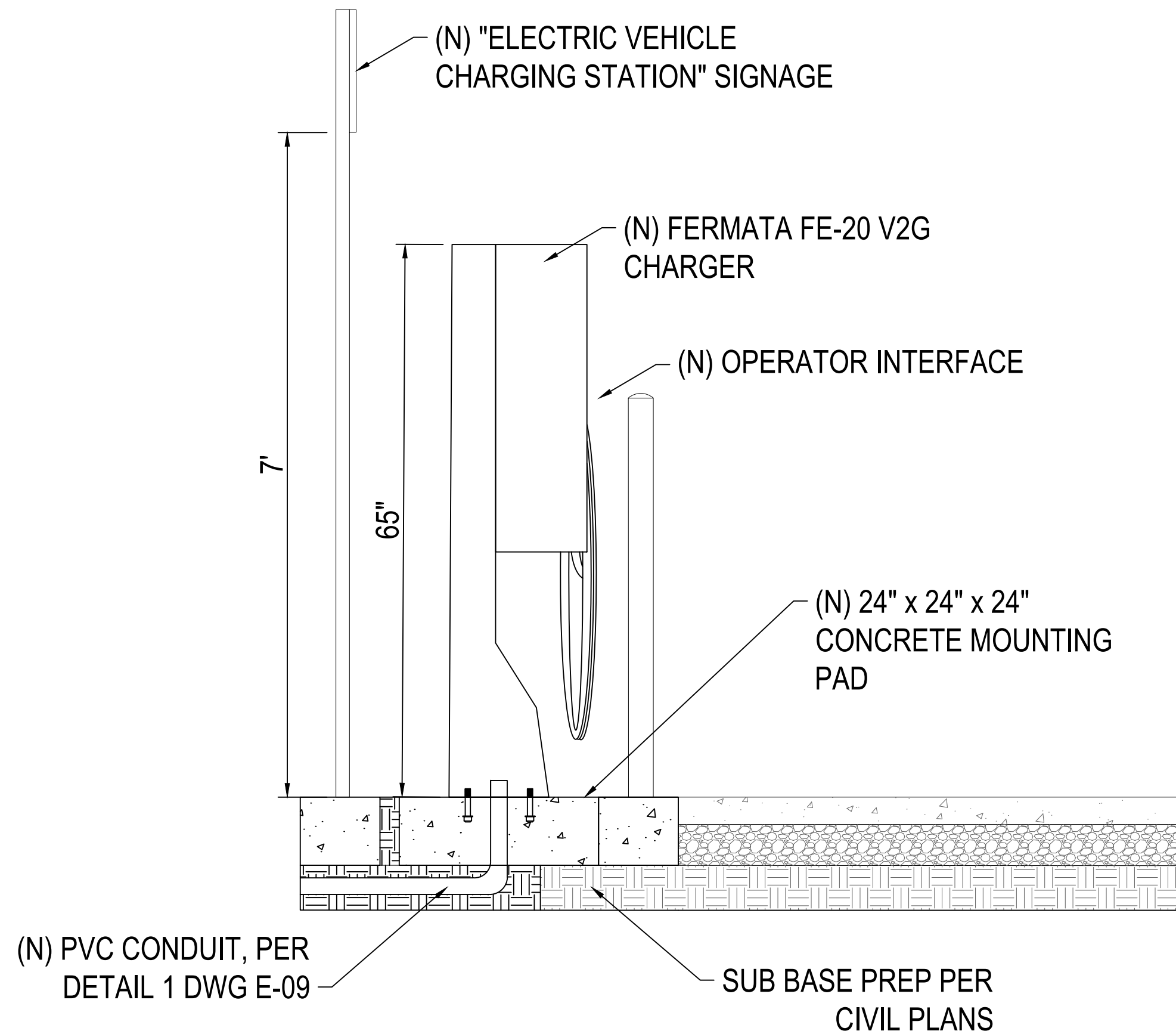
ACI No. E-11_E
Date: 02/2023
File Name:

Drawn: KR
Checked: SR
Approved: SR

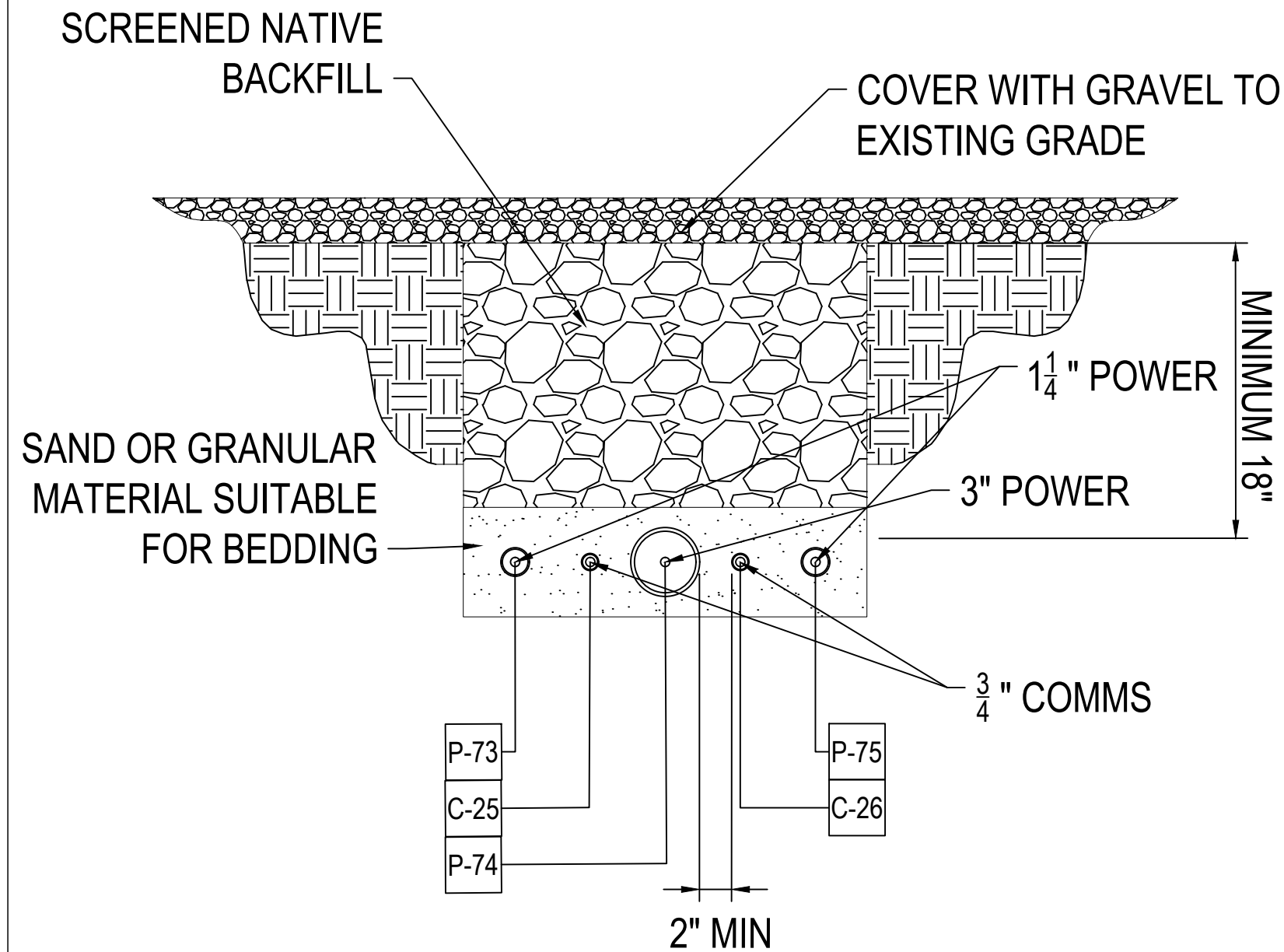
ELECTRICAL
DETAILS
PARKING LOT

Sheet: E-11

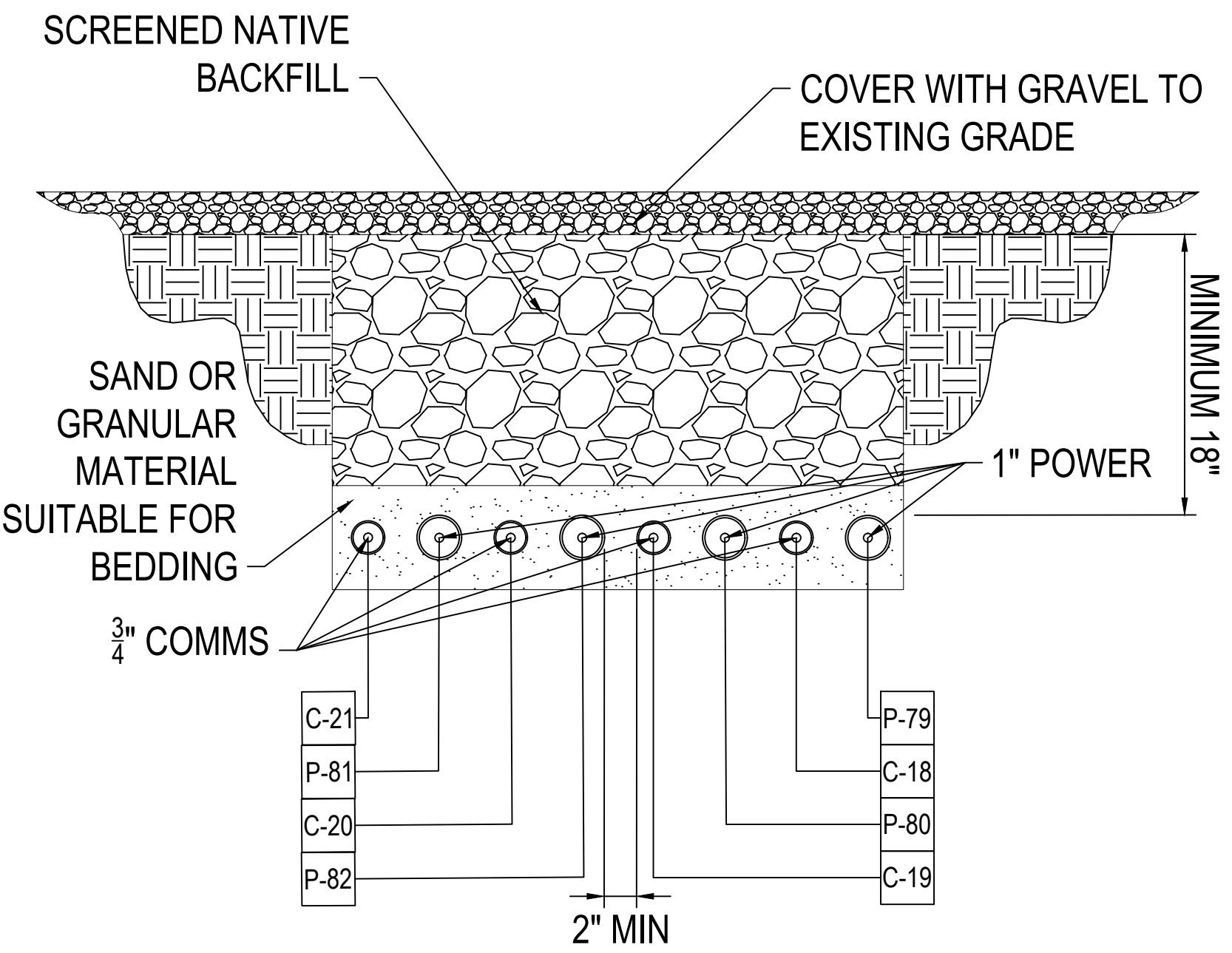
G:\Shared_areas\ACV_Parking_Lot - Armstrong\Technical\Work\Working\1_Design\Work\CAD\Sheets\E-12_ELECTRICAL DETAILS - NORTH LOT.dwg 5/12/2023 1:01:51 PM PAKEG



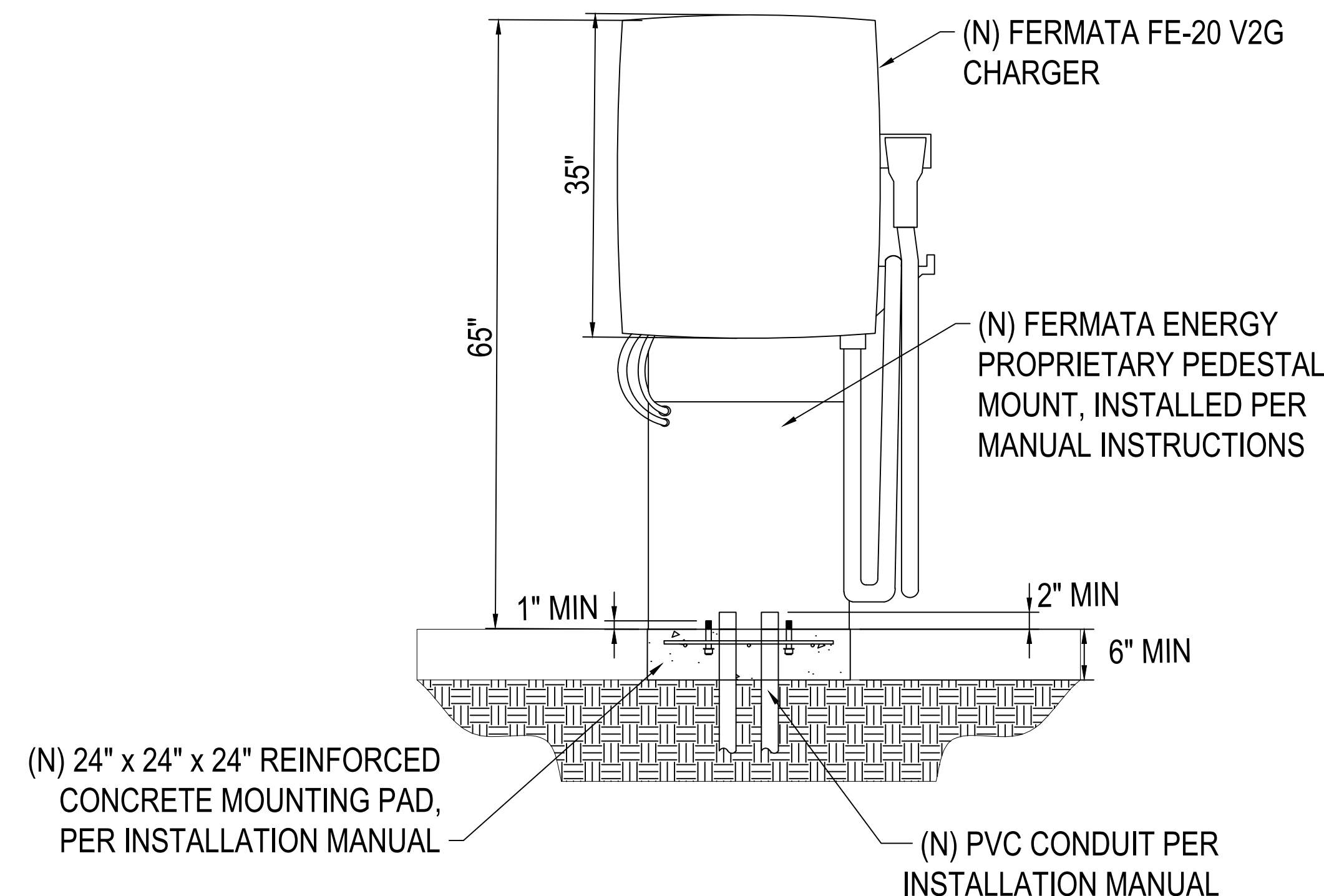
1 EV CHARGER ELEVATIONS



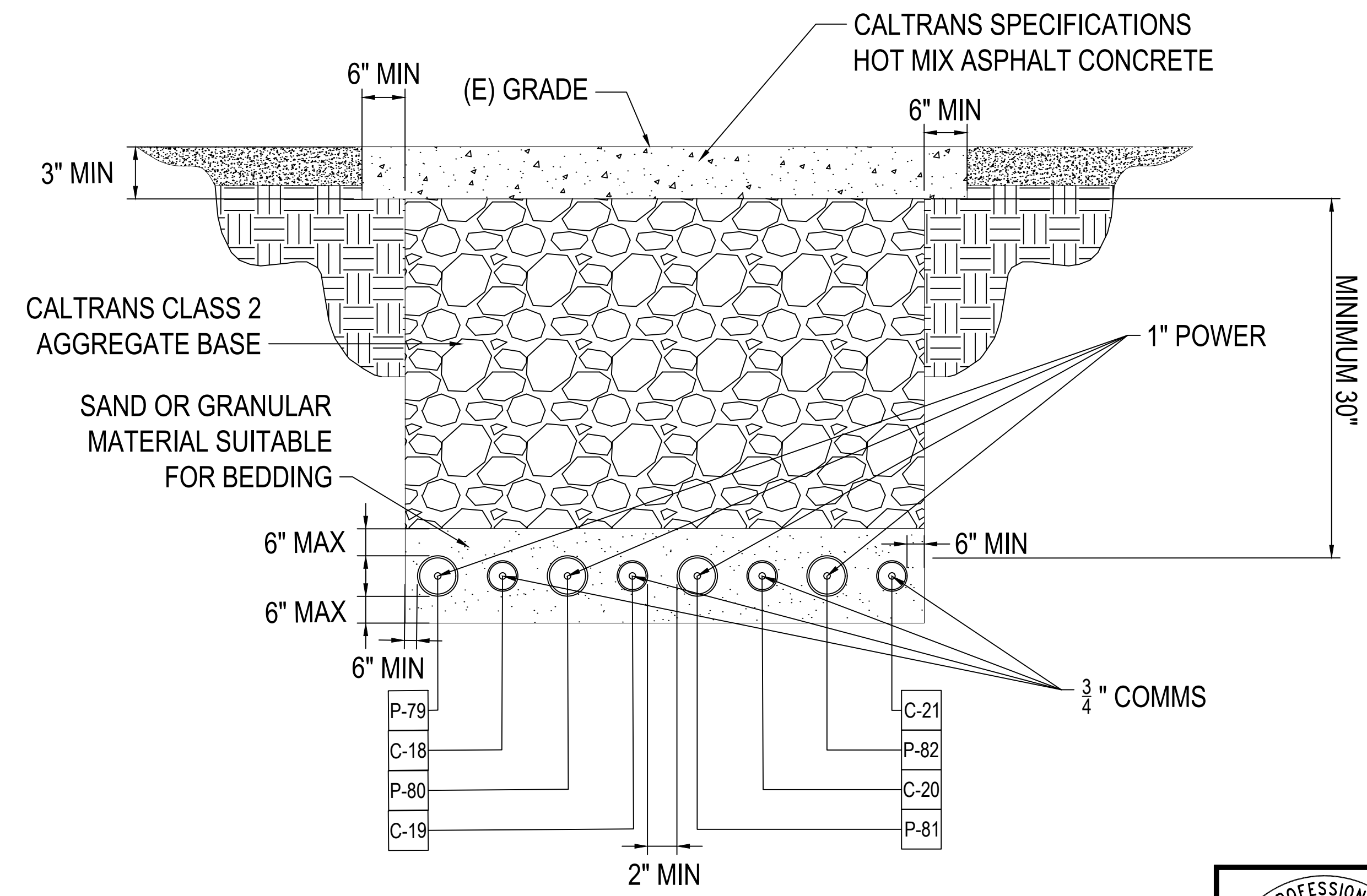
2 LANDSCAPED CONDUIT TRENCH DETAILS
SCALE: NTS



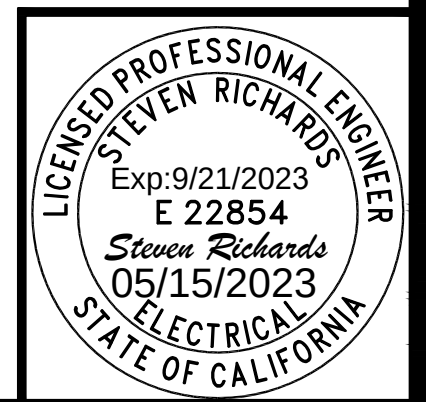
3 LANDSCAPED CONDUIT TRENCH DETAILS
SCALE: NTS



4 EV CHARGER ELEVATIONS



5 PAVED CONDUIT TRENCH DETAILS
SCALE: NTS



CALIFORNIA REDWOOD COAST
HUMBOLDT COUNTY AIRPORT
MCKINLEYVILLE, CA
PARKING LOT REHAB. PHASE 1

No.	Revision	Date	By
1	30 PERCENT DESIGN	1/23/23	AH
2	95 PERCENT DESIGN	3/20/23	AH
3	100 PERCENT DESIGN	4/24/23	AH

ACI No. E-12_E
Date: 02/2023
File Name:

Drawn: AH
Checked: SR
Approved: SR

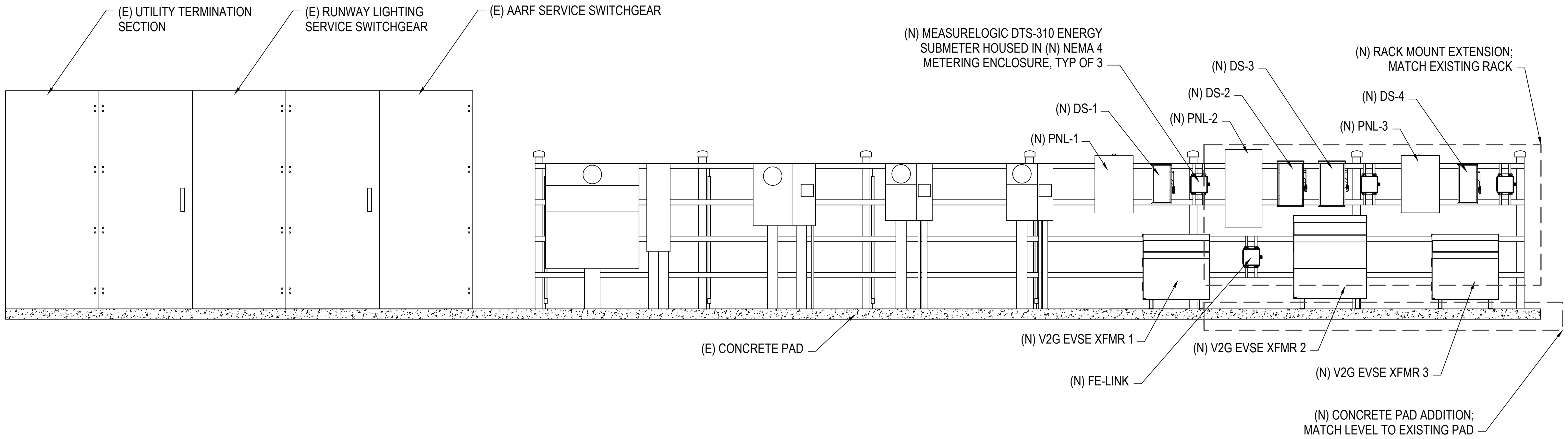
ELECTRICAL
DETAILS
V2G EVSE

Sheet: E-12

C:\Shared drives\ACV Parking Lot - Armstrong Technical Work\Working\4 Design Work\040\Sheet\E-13 ELECTRICAL DETAILS - V2G EVSE ELEVATIONS.dwg 5/12/2023 4:17:30 PM FAKEG

4

ELECTRIC SERVICE ELEVATIONS



- NOTE:
- EQUIPMENT MUST BE ARRANGED TO PROVIDE ADEQUATE WORKING CLEARANCE IN FRONT OF ALL EQUIPMENT IN ACCORDANCE WITH NEC ARTICLE 110



ARMSTRONG
A LOCHNER COMPANY

CALIFORNIA REDWOOD COAST
HUMBOLDT COUNTY AIRPORT
MCKINLEYVILLE, CA
PARKING LOT REHAB. PHASE 1

1	95 PERCENT DESIGN	3/20/23	AH						
2	100 PERCENT DESIGN	4/20/23	AH						
				No.	Revision	Date	By		

ACI No. E-13 E
Date: 02/2023
File Name:

Drawn: AH
Checked: SR
Approved: SR

ELECTRICAL
DETAILS
V2G EVSE
ELEVATIONS

Sheet: E-13

HPS Sentinel™

Energy Efficient Distribution Transformer

Compliant to DOE 2016 & NRECA 2019
Energy Efficiency Standards

power to perform

AC (GRID) PORT	
Grid Type	North America, 3-Phase 5-Wire
Rated Power	20 kW
Nominal AC Voltage	277 / 480 3Ø VAC
Operating Voltage Range	244-305 L-N VAC, 422-528 L-L VAC
Nominal Frequency	60 Hz
Cont. Operating Freq. Range	59.3 to 60.5 Hz
Default Power Factor	1.0 (Fully Programmable)
Max. Operating Current	27 A Per Phase
Over Current Protection	30 A
Max Feedback Current	188 A
DC (VEHICLE) PORT	
Rated Power	20 kW
Nominal DC Voltage	380 VDC
Operating Voltage Range	150-500 VDC
Maximum Operating Current	56 ADC
Maximum Voltage	500 VDC
Max. Input Short Circuit Current	1990 A
ENVIRONMENTAL	
Operating Temp. Range	-30° to 50° C
Storage Temp. Range	-30° to 70° C
Enclosure Rating	Type 3R / Rainproof
Cooling	Forced Air
MECHANICAL	
Dimensions	37"H x 29.9"W x 11"D (940 x 760 x 279)
Weight	125 lbs (57 kg)
Cable Length	12 ft (3.6 m)
Mounting Type	Wall or Pedestal
COMMUNICATIONS	
Charging Protocol	ChADEMO and CHADEMO V2H/L
User Interface	Multicolor LED / Online Dashboard
Networking	Wired Ethernet (LAN)
Protocol	OCPP 1.6j + V2X extensions, TCP/IP
REGULATORY	
Pending	UL1741-SA, UL9741, UL 1998, IEEE 1547
UL E-File Number	E522590

SIEMENS

ON
Power Only
Control Device
OFF

ON
Power Only
Control Device
OFF

ON
Power Only
Control Device
OFF

VBII Selection and Application Guide

Safety Switches

usa.siemens.com/safetyswitches

Heavy duty switches

System	Indoor - Type 11		Outdoor - Type 3R		Horsepower rating ^①										250 volt DC										
	Ampere rating	Catalog number	Ship wt. (lbs.)	Dwg. fig.	Catalog number	Ship wt. (lbs.)	Dwg. fig.	240V AC		1-Phase, 2-Wire		2-Phase, 4-Wire		3-Phase, 3-Wire		Std.	Std.								
								Std.	Max.	Std.	Max.	Std.	Max.	Std.	Max.										
240 Volt Fusible^②																									
				(Also used for 2-Pole, 2-Wire Applications)										240 Volt AC/250 Volt DC											
	30	HF321N	12	4	HF221N	13	15	1 1/2	3	—	—	—	—	3	7 1/2	5	5								
	60	HF222N	18	5	HF222N	19	16	3	—	—	—	—	—	7 1/2	15	10	10								
	100	HF223N	25	6	HF223N	24	17	7 1/2	15	—	—	—	—	15	30	20	20								
	200	HF224N	47	7	HF224N	48	18	15	—	—	—	—	—	25	60	40	40								
	400	HF225A	91	9	HF225A	91.1	20	15	—	—	—	—	—	50	125	50	50								
	600	HF226N	95.6	9	HF226N	95.6	20	15	—	—	—	—	—	75	200	50	50								
	800	HF227N	365	11	HF227N	365	22	—	—	—	—	—	—	100	250	50	50								
	1200	HF228N	385	11	HF228N	385	22	—	—	—	—	—	—	100	250	50	50								
3-Pole, 3-Phase, and Solid Neutral^③																									
				(Also used for 3-Pole, 3-Wire Applications)										240 Volt AC/250 Volt DC											
	30	HF321N	14	4	HF321N	15	15	1 1/2	3	—	—	—	—	3	7 1/2	5	5								
	60	HF322N	19	5	HF322N	20	15	3	10	—	—	—	—	7 1/2	15	10	10								
	100	HF323N	25	6	HF323N	26	17	7 1/2	15	—	—	—	—	15	30	20	20								
	200	HF324N	49	7	HF324N	50	18	15	—	—	—	—	—	25	60	40	40								
	400	HF325A	94.6	9	HF325A	94.6	20	15	—	—	—	—	—	50	125	50	50								
	600	HF326N	99.6	9	HF326N	99.6	20	15	—	—	—	—	—	75	200	50	50								
	800	HF327N	375	11	HF327N	375	22	—	—	—	—	—	—	100	250	50	50								
	1200	HF328N	395	11	HF328N	388	22	—	—	—	—	—	—	100	250	50	50								
240 Volt Fusible^②																									

			
			
CALIFORNIA REDWOOD COAST HUMBOLDT COUNTY AIRPORT MCKINLEYVILLE, CA PARKING LOT REHAB. PHASE 1			
1	30 PERCENT DESIGN	1/19/23	AH
2	95 PERCENT DESIGN	3/24/23	AH
3	100 PERCENT DESIGN	4/24/23	AH
No.	Revision	Date	By
ACI No. E-14_E Date: 02/2023 File Name:			
Drawn: AH Checked: SR Approved: SR			
ELECTRICAL SPECIFICATIONS V2G EVSE			
Sheet: E-14			

H:\vehured drives\car parking lot — armstrong\technical work\Working\1 design work\CAD\Sheet\E-16_ELECTRICAL SPECIFICATIONS — EV — SOUTH LOT.dwg 3/23/2023 12:34:50 PM FAKEG



CT4000 Level 2 Commercial Charging Station

Specifications and Ordering Information



CT4021

CT4000 Datasheet

Ordering Information

The order codes below represent specific product configurations. Other product options are available. Please contact ChargePoint Sales for information and order codes.

Specify model number followed by the applicable code(s).
The order code sequence is: **Model-Options. Software, Services and Misc** are ordered as separate line items.

Hardware

Description	Order Code
Model	1830 mm (6 ft) Single Port Bollard Mount CT4011-GW1
1830 mm (6 ft) Dual Port Bollard Mount	CT4021-GW1
1830 mm (6 ft) Single Port Wall Mount	CT4013-GW1
1830 mm (6 ft) Dual Port Wall Mount	CT4023-GW1
2440 mm (8 ft) Dual Port Bollard Mount	CT4025-GW1
2440 mm (8 ft) Dual Port Wall Mount	CT4027-GW1
Included	Integral Modern — North America -GW1
Misc	Power Management Kit Bollard Concrete Mounting Kit CT4000-PMGMT
Bollard Concrete Mounting Kit	CT4001-CDM

*Note: ALL CT4000 stations include Integral Modern -GW1.

Software & Services

Description	Order Code
ChargePoint Commercial Service Plan	CPCLD-COMMERCIAL-n*
ChargePoint Enterprise Plan	CPCLD-ENTERPRISE-n*
ChargePoint Assure	CT4000-ASSUREn*
Station Activation and Configuration	CPSUPPORT-ACTIVE
ChargePoint Station Installation and Validation	CT4000-INSTALL-VALID

Note: All CT4000 stations require a network service plan per port.

*Substitute n for desired years (1, 2, 3, 4 or 5 years)

ChargePoint, Inc. | Copyright © 2020

2 of 7

CT4000 Datasheet

Order Code Examples

If ordering this...	...the order code is
1830 mm (6 ft) Dual Port Bollard Networked Station with Concrete Mounting Kit	CT4021-GW1 CT4001-CDM
ChargePoint Commercial Service Plan, 3 Year Subscription	CPCLD-COMMERCIAL-3
ChargePoint Station Installation and Validation	CT4000-INSTALL-VALID
3 Years of Assure Coverage	CT4000-ASSURE3
1830 mm (6 ft) Single Port Wall Mount Networked Station	CT4013-GW1
ChargePoint Commercial Service Plan, 5 Year Subscription	CPCLD-COMMERCIAL-5
5 Years of Assure Coverage	CT4000-ASSURE5
Station Activation and Configuration	CPSUPPORT-ACTIVE

ChargePoint, Inc. | Copyright © 2020

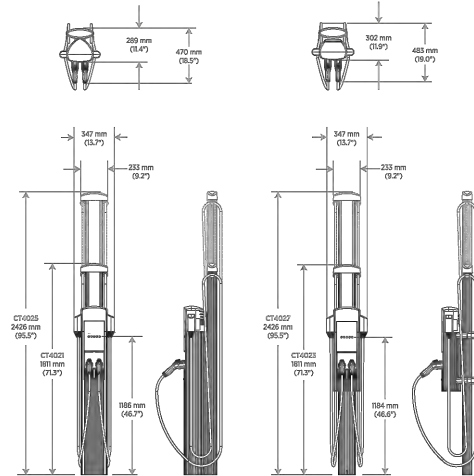
3 of 7

CT4000 Datasheet

Architectural Drawings (Dimensions)

CT4021 1830 mm (6')
CT4025 2440 mm (8')
Bollard

CT4023 1830 mm (6')
CT4027 2440 mm (8')
Wall Mount



ChargePoint, Inc. | Copyright © 2020

4 of 7

CT4000 Datasheet

General Specifications

Electrical Input

Electrical Input	Single Port (AC Voltage 208 / 240V AC)			Dual Port (AC Voltage 208 / 240V AC)		
	Input Current	Input Power Connection	Required Service Panel Breaker	Input Current	Input Power Connection	Required Service Panel Breaker
Standard	30A	One 40A branch circuit	40A dual pole (non-GFCI type)	30A x 2	Two independent 40A branch circuits	40A dual pole (non-GFCI type) x 2
Standard Power Share	n/a	n/a	n/a	32A	One 40A branch circuit	40A dual pole (non-GFCI type)
Power Select 24A	24A	One 30A branch circuit	30A dual pole (non-GFCI type)	24A x 2	Two independent 30A branch circuits	30A dual pole (non-GFCI type) x 2
Power Select 24A Power Share	n/a	n/a	n/a	24A	One 30A branch circuit	30A dual pole (non-GFCI type)
Power Select 16A	16A	One 20A branch circuit	20A dual pole (non-GFCI type)	16A x 2	Two independent 20A branch circuits	20A dual pole (non-GFCI type)
Power Select 16A Power Share	n/a	n/a	n/a	16A	One 20A branch circuit	20A dual pole (non-GFCI type)
Service Panel GFCI	Do not provide external GFCI as it may conflict with internal GFCI (CCID)					
Wiring – Standard	3-wire (L1, L2, Earth)			5-wire (L1, L1, L2, L2, Earth)		
Wiring – Power Share	n/a			3-wire (L1, L2, Earth)		
Station Power	8 W typical (standby), 15 W maximum (operation)					

Electrical Output

Electrical Output	Single Port (AC Voltage 208 / 240V AC)	Dual Port (AC Voltage 208 / 240V AC)
	7.2 kW (240V AC @ 30A)	7.2 kW (240V AC @ 30A) x 2
Standard		
Standard Power Share	n/a	7.2 kW (240V AC @ 30A) x 1 or 3.8 kW (240V AC @ 16A) x 2

ChargePoint, Inc. | Copyright © 2020

5 of 7

CT4000 Datasheet

Functional Interfaces

	Single Port (AC Voltage 208 / 240V AC)	Dual Port (AC Voltage 208 / 240V AC)
Connector Types	SAE J1772™	SAE J1772™ x 2
Cable Length — 1.8 m (6 ft)	5.5 m (18 ft)	5.5 m (18 ft) x 2
Cable Management		
Cable Length — 2.4 m (8 ft)	n/a	7 m (23 ft)
Cable Management		
Overhead Cable Management System	Yes	
LCD Display	149 mm (5.7 in) full color, 640 x 480, 30 fps full motion video, active matrix, UV protected	
Card Reader	ISO 15693, ISO 14443, NFC	
Locking Hicster	Yes	Yes x 2

Safety and Connectivity Features

Ground Fault Detection	20 mA CCID with auto retry
Open Safety Ground Detection	Continuously monitors presence of safety (green wire) ground connection
Plug-Out Detection	Power terminated per SAE J1772™ specifications
Power Measurement Accuracy	±1% from 2% to full scale (30A)
Power Report/Store Interval	15 minute, aligned to hour. Vehicle to grid connected and responsive to TOU signals
Local Area Network	2.4 GHz WiFi (802.11 b/g/n)
Wide Area Network	LTE Category 4

ChargePoint, Inc. | Copyright © 2020

6 of 7

CT4000 Datasheet

Safety and Operational Ratings

Station Enclosure Rating	Type 3R per UL 80E
Safety and Compliance	UL and cUL listed; complies with UL 2594, UL 2231-1, UL 2231-2, and NEC Article 625
Station Surge Protection	6 kV @ 3,000A. In geographic areas subject to frequent thunder storms, supplemental surge protection at the service panel is recommended.
EMC Compliance	FCC Part 15 Class A
Operating Temperature	-40°C to 50°C (-40°F to 122°F)
Non-Operating Temperature	-40°C to 60°C (-40°F to 140°F)
Terminal Block Temperature Rating	105°C (221°F)
Operating Humidity	Up to 85% @ 50°C (122°F) non-condensing
Non-Operating Humidity	Up to 95% @ 50°C (122°F) non-condensing
Network	All stations include integral LTE modem and will be automatically configured to operate as gateway or non-gateway as needed

ChargePoint, Inc. reserves the right to alter product offerings and specifications at any time without notice, and is not responsible for typographical or graphical errors that may appear in this document.



ChargePoint, Inc.
240 East Hacienda Avenue
Campbell, CA 95008-6617 USA
+1.408.841.4300 or
+1.877.370.3802 US and Canada toll-free
chargepoint.com

Contact Us
Visit chargepoint.com
Call +1.408.705.1992
Email sales@chargepoint.com

Copyright © 2020 ChargePoint, Inc. All rights reserved. CHARGEPOINT is a U.S. registered trademark/service mark, and an EU registered logo mark of ChargePoint, Inc. All other products or services mentioned are the trademarks, service marks, registered trademarks or registered service marks of their respective owners. 5 August 2020.

Listed by Underwriters Laboratories Inc.



ChargePoint, Inc. | Copyright © 2020

7 of 7



CALIFORNIA REDWOOD COAST
HUMBOLDT COUNTY AIRPORT
MCKINLEYVILLE, CA
PARKING LOT REHAB. PHASE 1

1	30 PERCENT DESIGN	1/23/23	KR						
2	95 PERCENT DESIGN	3/17/23	KR						
3	100 PERCENT DESIGN	5/11/23	KR						
No.				Revision		Date	By		

ACI No. E-16_E
Date: 02/2023
File Name:

Drawn: KR
Checked: SR
Approved: SR

ELECTRICAL
SPECIFICATIONS
PARKING LOT
EV

Sheet: E-16





ENTRY/EXIT SMART STATION

SAFE. SECURE. SMARTER.
Bluetooth-enabled, cloud-based kiosk with flexible software configurations, seamless integrations, and easy DIY maintenance guarantees maximum uptime.



OVERVIEW

Smart Design

Our Entry/Exit Smart Station assembles all the essential elements needed to manage parking access and revenue control in a single elegant unit. Our physical kiosk is identical for entry, exit, or pay-on-foot.

Customizable

The Entry/Exit Smart Station is highly customizable to meet the unique demands of each parking facility. Whether it will be used to manage transients or monthlies, the software package is simply configured for each machine's role in the venue.

Future-proof Platform

The cloud-based software platform that powers the logic in all of our Smart Stations was purpose-built to run in the cloud, offering enhanced scalability, redundancy, and most importantly—since no on-site servers are needed—minimal maintenance and system uptime. Cloud-based software also allows for easy system reconfiguration as technology and venue needs evolve.

Cash Acceptance Friendly

In addition to credit card payments, we offer in-line cash acceptance options. Our cash machines can be equipped with either an exact change feature or a bill note recycler (BNR) machine that boasts a four-denomination bill recycler, which eliminates the need to empty and re-fill the machine quite as often.

SMART STATION COMPONENTS

1. Interactive touch-screen display
2. Credit card reader (for payments and access)
3. Ticket/receipt dispenser (pull-tear mechanism)
4. Barcode scanner (mobile and barcodes)
5. Prox/RFID card reader
6. Integrated intercom (video, mic, and speaker)

USB-based Components

All peripherals on the Smart Station are part of a plug-and-play (USB-based) system and can be swapped out in the existing machine as new technology emerges.

Easy Maintenance

Our unique FlashCare Maintenance Kit contains replacements for major components so operators can quickly replace parts in a matter of minutes with minimal downtime.

BENEFITS



Total Reliability

The FlashParking platform runs on the Microsoft Azure Cloud Platform, which today powers 50% of Fortune 500 companies. We provide comprehensive access to monitor and manage all your properties from a single back-end portal via mobile, tablet or desktop.



Real-time Decision Making

Manage operations like rate changes, credit card payments, eParking reservations, and electronic validations in real-time via phone or browser.



Worry-free Compliance

With FlashParking, you—the parking provider—outsource 98% of the PCI duties to us, the only Level 1 Service Provider in the industry. The result is instant and on-going complete PCI compliance. It's that simple.

To view a list of featured properties using FlashParking visit: www.flashparking.com/featured-properties



Extreme Weather Rated

The Smart Stations are UL Certified to withstand all extreme weather conditions and aluminum built to withstand corrosion.



Extending Your Brand

The standard shell of the Smart Station comes in a powder-coated silver aluminum; properties looking to extend their brand to the parking facility can wrap their Smart Stations in any design.

"What we've seen with Flash has been really remarkable. It's been one of the only solutions we've ever installed, and not had one service or support call 6 months down the road."

— Ryan Hunt
President for Premier Parking

STANDARD FEATURES

The Entry/Exit Smart Station has an extensive list of feature choices to build out the perfect solution for each venue.

- Access via barcoded tickets, RFID/Prox card reader, and a barcode scanner
- Contract parking management (monthly parking)
- Support calls with a touchscreen activated Voice over IP (VoIP) two-way intercom system
- 4G/LTE back-up network service
- Bluetooth technology embedded in all Smart Stations
- Robust, real-time reporting suite with on-demand and scheduled reports and dashboards
- 24/7 phone and online support
- Ongoing PCI compliant software updates and general software patches
- Mobile app module (for managing parking operations in the palm of your hand)



OPTIONAL FEATURES

Display

- Multi-lingual module
- Display current rate on entry kiosk
- Digital rate display via a monitor

Payment

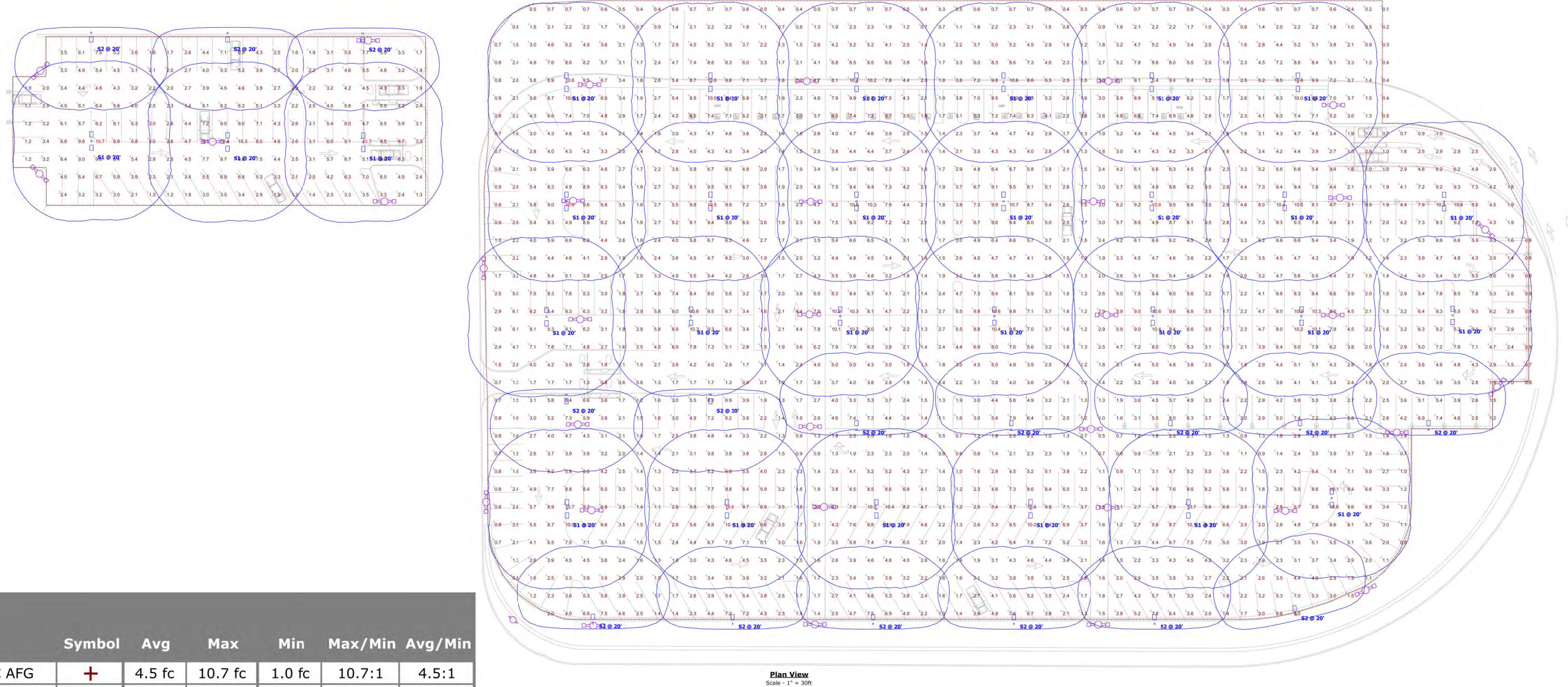
- Credit card (with EMV chip payment option)
- Cash acceptance module
- Web-based validation: secure access for customers, clients, and merchants to validate online or pre-printed

Management

- On-site parking module
- Validations (printed and electronic)
- Cash acceptance module
- Analytics and business intelligence (BI) solutions

SPECS

MEASUREMENTS	
Dimensions	17" (H) x 10" (W) x 10" (D)
Weight	~160 lb
Color	Industrial Grey
Locks	Yes
Wrapping	Yes (not included, wrapping sold separately)
ELECTRICAL	
Voltage	120V
Current Consumption	0.1 A (average)
Power Consumption	~140W (peak load)
PERFORMANCE CAPABILITIES	
Operating Temperature	32°F to 140°F
Humidity	10% to 90% (non-condensing)
Agency Certifications	UL, ENEC, VDE, CE, FCC, RoHS, REACH, ISO 9001, ISO 14001, ISO 27001, ISO 28001, ISO 45001, ISO 50001, ISO 60001, ISO 63001, ISO 64001, ISO 65001, ISO 66001, ISO 67001, ISO 68001, ISO 69001, ISO 70001, ISO 71001, ISO 72001, ISO 73001, ISO 74001, ISO 75001, ISO 76001, ISO 77001, ISO 78001, ISO 79001, ISO 80001, ISO 81001, ISO 82001, ISO 83001, ISO 84001, ISO 85001, ISO 86001, ISO 87001, ISO 88001, ISO 89001, ISO 90001, ISO 91001, ISO 92001, ISO 93001, ISO 94001, ISO 95001, ISO 96001, ISO 97001, ISO 98001, ISO 99001, ISO 100001, ISO 101001, ISO 102001, ISO 103001, ISO 104001, ISO 105001, ISO 106001, ISO 107001, ISO 108001, ISO 109001, ISO 110001, ISO 111001, ISO 112001, ISO 113001, ISO 114001, ISO 115001, ISO 116001, ISO 117001, ISO 118001, ISO 119001, ISO 120001, ISO 121001, ISO 122001, ISO 123001, ISO 124001, ISO 125001, ISO 126001, ISO 127001, ISO 128001, ISO 129001, ISO 130001, ISO 131001, ISO 132001, ISO 133001, ISO 134001, ISO 135001, ISO 136001, ISO 137001, ISO 138001, ISO 139001, ISO 140001, ISO 141001, ISO 142001, ISO 143001, ISO 144001, ISO 145001, ISO 146001, ISO 147001, ISO 148001, ISO 149001, ISO 150001, ISO 151001, ISO 152001, ISO 153001, ISO 154001, ISO 155001, ISO 156001, ISO 157001, ISO 158001, ISO 159001, ISO 160001, ISO 161001, ISO 162001, ISO 163001, ISO 164001, ISO 165001, ISO 166001, ISO 167001, ISO 168001, ISO 169001, ISO 170001, ISO 171001, ISO 172001, ISO 173001, ISO 174001, ISO 175001, ISO 176001, ISO 177001, ISO 178001, ISO 179001, ISO 180001, ISO 181001, ISO 182001, ISO 183001, ISO 184001, ISO 185001, ISO 186001, ISO 187001, ISO 188001, ISO 189001, ISO 190001, ISO 191001, ISO 192001, ISO 193001, ISO 194001, ISO 195001, ISO 196001, ISO 197001, ISO 198001, ISO 199001, ISO 200001, ISO 201001, ISO 202001, ISO 203001, ISO 204001, ISO 205001, ISO 206001, ISO 207001, ISO 208001, ISO 209001, ISO 210001, ISO 211001, ISO 212001, ISO 213001, ISO 214001, ISO 215001, ISO 216001, ISO 217001, ISO 218001, ISO 219001, ISO 220001, ISO 221001, ISO 222001, ISO 223001, ISO 224001, ISO 225001, ISO 226001, ISO 227001, ISO 228001, ISO 229001, ISO 230001, ISO 231001, ISO 232001, ISO 233001, ISO 234001, ISO 235001, ISO 236001, ISO 237001, ISO 238001, ISO 239001, ISO 240001, ISO 241001, ISO 242001, ISO 243001, ISO 244001, ISO 245001, ISO 246001, ISO 247001, ISO 248001, ISO 249001, ISO 250001, ISO 251001, ISO 252001, ISO 253001, ISO 254001, ISO 255001, ISO 256001, ISO 257001, ISO 258001, ISO 259001, ISO 260001, ISO 261001, ISO 262001, ISO 263001, ISO 264001, ISO 265001, ISO 266001, ISO 267001, ISO 268001, ISO 269001, ISO 270001, ISO 271001, ISO 272001, ISO 273001, ISO 274001, ISO 275001, ISO 276001, ISO 277001, ISO 278001, ISO 279001, ISO 280001, ISO 281001, ISO 282001, ISO 283001, ISO 284001, ISO 285001, ISO 286001, ISO 287001, ISO 288001, ISO 289001, ISO 290001, ISO 291001, ISO 292001, ISO 293001, ISO 294001, ISO 295001, ISO 296001, ISO 297001, ISO 298001, ISO 299001, ISO 300001, ISO 301001, ISO 302001, ISO 303001, ISO 304001, ISO 305001, ISO 306001, ISO 307001, ISO 308001, ISO 309001, ISO 310001, ISO 311001, ISO 312001, ISO 313001, ISO 314001, ISO 315001, ISO 316001, ISO 317001, ISO 318001, ISO 319001, ISO 320001, ISO 321001, ISO 322001, ISO 323001, ISO 324001, ISO 325001, ISO 326001, ISO 327001, ISO 328001, ISO 329001, ISO 330001, ISO 331001, ISO 332001, ISO 333001, ISO 334001, ISO 335001, ISO 336001, ISO 337001, ISO 338001, ISO 339001, ISO 340001, ISO 341001, ISO 342001, ISO 343001, ISO 344001, ISO 345001, ISO 346001, ISO 347001, ISO 348001, ISO 349001, ISO 350001, ISO 351001, ISO 352001, ISO 353001, ISO 354001, ISO 355001, ISO 356001, ISO 357001, ISO 358001, ISO 359001, ISO 360001, ISO 361001, ISO 362001, ISO 363001, ISO 364001, ISO 365001, ISO 366001, ISO 367001, ISO 368001, ISO 369001, ISO 370001, ISO 371001, ISO 372001, ISO 373001, ISO 374001, ISO 375001, ISO 376001, ISO 377001, ISO 378001, ISO 379001, ISO 380001, ISO 381001, ISO 382001, ISO 383001, ISO 384001, ISO 385001, ISO 386001, ISO 387001, ISO 388001, ISO 389001, ISO 390001, ISO 391001, ISO 392001, ISO 393001, ISO 394001, ISO 395001, ISO 396001, ISO 397001, ISO 398001, ISO 399001, ISO 400001, ISO 401001, ISO 402001, ISO 403001, ISO 404001, ISO 405001, ISO 406001, ISO 407001, ISO 408001, ISO 409001, ISO 410001, ISO 411001, ISO 412001, ISO 413001, ISO 414001, ISO 415001, ISO 416001, ISO 417001, ISO 418001, ISO 419001, ISO 420001, ISO 421001, ISO 422001, ISO 423001, ISO 424001, ISO 425001, ISO 426001, ISO 427001, ISO 428001, ISO 429001, ISO 430001, ISO 431001, ISO 432001, ISO 433001, ISO 434001, ISO 435001, ISO 436001, ISO 437001, ISO 438001, ISO 439001, ISO 440001, ISO 441001, ISO 442001, ISO 443001, ISO 444001, ISO 445001, ISO 446001, ISO 447001, ISO 448001, ISO 449001, ISO 450001, ISO 451001, ISO 452001, ISO 453001, ISO 454001, ISO 455001, ISO 456001, ISO 457001, ISO 458001, ISO 459001, ISO 460001, ISO 461001, ISO 462001, ISO 463001, ISO 464001, ISO 465001, ISO 466001, ISO 467001, ISO 468001, ISO 469001, ISO 470001, ISO 471001, ISO 472001, ISO 473001, ISO 474001, ISO 475001, ISO 476001, ISO 477001, ISO 478001, ISO 479001, ISO 480001, ISO 481001, ISO 482001, ISO 483001, ISO 484001, ISO 485001, ISO 486001, ISO 487001, ISO 488001, ISO 489001, ISO 490001, ISO 491001, ISO 492001, ISO 493001, ISO 494001, ISO 495001, ISO 496001, ISO 497001, ISO 498001, ISO 499001, ISO 500001, ISO 501001, ISO 502001, ISO 503001, ISO 504001, ISO 505001, ISO 506001, ISO 507001, ISO 508001, ISO 509001, ISO 510001, ISO 511001, ISO 512001, ISO 513001, ISO 514001, ISO 515001, ISO 516001, ISO 517001, ISO 518001, ISO 519001, ISO 520001, ISO 521001, ISO 522001, ISO 523001, ISO 524001, ISO 525001, ISO 526001, ISO 527001, ISO 528001, ISO 529001, ISO 530001, ISO 531001, ISO 532001, ISO 533001, ISO 534001, ISO 535001, ISO 536001, ISO 537001, ISO 538001, ISO 539001, ISO 540001, ISO 541001, ISO 542001, ISO 543001, ISO 544001, ISO 545001, ISO 546001, ISO 547001, ISO 548001, ISO 549001, ISO 550001, ISO 551001, ISO 552001, ISO 553001, ISO 554001, ISO 555001, ISO 556001, ISO 557001, ISO 558001, ISO 559001, ISO 560001, ISO 561001, ISO 562001, ISO 563001, ISO 564001, ISO 565001, ISO 566001, ISO 567001, ISO 568001, ISO 569001, ISO 570001, ISO 571001, ISO 572001, ISO 573001, ISO 574001, ISO 575001, ISO 576001, ISO 577001, ISO 578001, ISO 579001, ISO 580001, ISO 581001, ISO 582001, ISO 583001, ISO 584001, ISO 585001, ISO 586001, ISO 587001, ISO 588001, ISO 589001, ISO 590001, ISO 591001, ISO 592001, ISO 593001, ISO 594001, ISO 595001, ISO 596001, ISO 597001, ISO 598001, ISO 599001, ISO 600001, ISO 601001, ISO 602001, ISO 603001, ISO 604001, ISO 605001, ISO 606001, ISO 607001, ISO 608001, ISO 609001, ISO 610001, ISO 611001, ISO 612001, ISO 613001, ISO 614001, ISO 615001, ISO 616001, ISO 617001, ISO 618001, ISO 619001, ISO 620001, ISO 621001, ISO 622001, ISO 623001, ISO 624001, ISO 625001, ISO 626001, ISO 627001, ISO 628001, ISO 629001, ISO 630001, ISO 631001, ISO 632001, ISO 633001, ISO 634001, ISO 635001, ISO 636001, ISO 637001, ISO 638001, ISO 639001, ISO 640001, ISO 641001, ISO 642001, ISO 643001, ISO 644001, ISO 645001, ISO 646001, ISO 647001, ISO 648001, ISO 649001, ISO 650001, ISO 651001, ISO 652001, ISO 653001, ISO 654001, ISO 655001, ISO 656001, ISO 657001, ISO 658001, ISO 659001, ISO 660001, ISO 661001, ISO 662001, ISO 663001, ISO 664001, ISO 665001, ISO 666001, ISO 667001, ISO 668001, ISO 669001, ISO 670001, ISO 671001, ISO 672001, ISO 673001, ISO 674001, ISO 675001, ISO 676001, ISO 677001, ISO 678001, ISO 679001, ISO 680001, ISO 681001, ISO 682001, ISO 683001, ISO 684001, ISO 685001, ISO 686001, ISO 687001, ISO 688001, ISO 689001, ISO 690001, ISO 691001, ISO 692001, ISO 693001, ISO 694001, ISO 695001, ISO 696001, ISO 697001, ISO 698001, ISO 699001, ISO 700001, ISO 701001, ISO 702001, ISO 703001, ISO 704001, ISO 705001, ISO 706001, ISO 707001, ISO 708001, ISO 709001, ISO 710001, ISO 711001, ISO 712001, ISO 713001, ISO 714001, ISO 715001, ISO 716001, ISO 717001, ISO 718001, ISO 719001, ISO 720001, ISO 721001, ISO 722001, ISO 723001, ISO 724001, ISO 725001, ISO 726001, ISO 727001, ISO 728001, ISO 729001, ISO 730001, ISO 731001, ISO 732001, ISO 733001, ISO 734001, ISO 735001, ISO 736001, ISO 737001, ISO 738001, ISO 739001, ISO 740001, ISO 741001, ISO 742001, ISO 743001, ISO 744001, ISO 745001, ISO 746001, ISO 747001, ISO 748001, ISO 749001, ISO 750001, ISO 751001, ISO 752001, ISO 753001, ISO 754001, ISO 755001, ISO 756001, ISO 757001, ISO 758001, ISO 759001, ISO 760001, ISO 761001, ISO 762001, ISO 763001, ISO 764001, ISO 765001, ISO 766001, ISO 767001, ISO 768001, ISO 769001, ISO 770001, ISO 771001, ISO 772001, ISO 773001, ISO 774001, ISO 775001, ISO 776001, ISO 777001, ISO 778001, ISO 779001, ISO 780001, ISO 781001, ISO 782001, ISO 783001, ISO 784001, ISO 785001, ISO 786001, ISO 787001, ISO 788001, ISO 789001, ISO 790001, ISO 791001, ISO 792001, ISO 793001, ISO 794001, ISO 795001, ISO 796001, ISO 797001, ISO 798001, ISO 799001, ISO 800001, ISO 801001, ISO 802001, ISO 803001, ISO 804001, ISO 805001, ISO 806001, ISO 807001, ISO 808001, ISO 809001, ISO 810001, ISO 811001, ISO 812001, ISO 813001, ISO 814001, ISO 815001, ISO 816001, ISO 817001, ISO 818001, ISO 819001, ISO 820001, ISO 821001, ISO 822001, ISO 823001, ISO 824001, ISO 825001, ISO 826001, ISO 827001, ISO 828001, ISO 829001, ISO 830001, ISO 831001, ISO 832001, ISO 833001, ISO 834001, ISO 835001, ISO 836001, ISO 837001, ISO 838001, ISO 839001, ISO 840001, ISO 841001, ISO 842001, ISO 843001, ISO 844001, ISO 845001, ISO 846001, ISO 847001, ISO 848001, ISO 849001, ISO 850001, ISO 851001, ISO 852001, ISO 853001, ISO 854001, ISO 855001, ISO 856001, ISO 857001, ISO 858001, ISO 859001, ISO 860001, ISO 861001, ISO 862001, ISO 863001, ISO 864001, ISO 865001, ISO 866001, ISO 867001, ISO 868001, ISO 869001, ISO 870001, ISO 871001, ISO 872001, ISO 873001, ISO 874001, ISO 875001, ISO 876001, ISO 877001, ISO 878001, ISO 879001, ISO 880001, ISO 881001, ISO 882001, ISO 883001, ISO 884001, ISO 885001, ISO 886001, ISO 887001, ISO 888001, ISO 889001, ISO 890001, ISO 891001, ISO 892001, ISO 893001, ISO 894001, ISO 895001, ISO 896001, ISO 897001, ISO 898001, ISO 899001, ISO 900001, ISO 901001, ISO 902001, ISO 903001, ISO 904001, ISO 905001, ISO 906001, ISO 907001, ISO 908001, ISO 909001, ISO 910001, ISO 911001, ISO 912001, ISO 913001, ISO 914001, ISO 915001, ISO 916001, ISO 917001, ISO 918001, ISO 919001, ISO 920001, ISO 921001, ISO 922001, ISO 923001, ISO 924001, ISO 925001, ISO 926001, ISO 927001, ISO 928001, ISO 929001, ISO 930001, ISO 931001, ISO 932001, ISO 933001, ISO 934001, ISO 935001, ISO 936001, ISO 937001, ISO 938001, ISO 939001, ISO 940001, ISO 941001, ISO 942001, ISO 943001, ISO 944001, ISO 945001, ISO 946001, ISO 947001, ISO 948001, ISO 949001, ISO 950001, ISO 951001, ISO 952001, ISO 953001, ISO 954001, ISO 955001, ISO 956001, ISO 957001, ISO 958001, ISO 959001, ISO 960001, ISO 961001, ISO 962001, ISO 963001, ISO 964001, ISO 965001, ISO 966001, ISO 967001, ISO 968001, ISO 969001, ISO 970001, ISO 971001, ISO 972001, ISO 973001, ISO 974001, ISO 975001, ISO 976001, ISO 977001, ISO 978001, ISO 979001, ISO 980001, ISO 981001, ISO 982001, ISO 983001, ISO 984001, ISO 985001, ISO 986001, ISO 987001, ISO 988001, ISO 989001, ISO 990001, ISO 991001, ISO 992001, ISO 993001, ISO 994001, ISO 995001, ISO 996001, ISO 997001, ISO 998001, ISO 999001, ISO 1000001, ISO 1001001, ISO 1002001, ISO 1003001, ISO 1004001, ISO 1005001, ISO 1006001, ISO 1007001, ISO 1008001, ISO 1009001, ISO 1010001, ISO 1011001, ISO 1012001, ISO 1013001, ISO 1014001, ISO 1015001, ISO 1016001, ISO 1017001, ISO 1018001, ISO 1019001, ISO 1020001, ISO 1021001, ISO 1022001, ISO 1023001, ISO 1024001, ISO 1025001, ISO 1026001, ISO 1027001, ISO 1028001, ISO 1029001, ISO 1030001, ISO 1031001, ISO 1032001, ISO 1033001, ISO 1034001, ISO 1035001, ISO 1036001, ISO 1037001, ISO 1038001, ISO 1039001, ISO 1040001, ISO 1041001, ISO 1042001, ISO 1043001, ISO 1044001, ISO 1045001, ISO 1046001, ISO 1047001, ISO 1048001, ISO 1049001, ISO 1050001, ISO 1051001, ISO 1052001, ISO 1053001, ISO 1054001, ISO 1055001, ISO 1056001, ISO 1057001, ISO 1058001, ISO 1059001, ISO 1060001, ISO 1061001, ISO 1062001, ISO 1063001, ISO 1064001, ISO 1065001, ISO 1066001, ISO 1067



Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
PARKING LOT FC AFG	+	4.5 fc	10.7 fc	1.0 fc	10.7:1	4.5:1
PARKING LOT 1 FC AFG	+	4.0 fc	10.8 fc	0.1 fc	108.0:1	40.0:1

Schedule								
Symbol	Label	QTY	Manufacturer	Catalog	Description	Lamp Output	LLF	Input Power
	S1	29	Rayon Lighting Group, Inc.	T320LEDB-100-UNI12-5000K- T5-AMS-BZ-G2	T320LEDB	13998	0.91	207
	S2	16	RAYON LIGHTING	T320LEDB-100-UNI12-5000K-T3-AMS-BZ-G2	T320LEDB	Absolute	0.91	103.4



CALIFORNIA REDWOOD COAST
HUMBOLDT COUNTY AIRPORT
MCKINLEYVILLE, CA
PARKING LOT REHAB. PHASE 1

1	30 PERCENT DESIGN	1/20/23	SR
2	100 PERCENT DESIGN	5/17/23	KR
No.	Revision	Date	By

ACI No. E-20_L
Date: 02/2023
File Name:

Drawn: SR
Checked: KR
Approved: SR

LIGHTING
LAYOUT

Sheet: E-20