



## **ADDENDUM #1**

November 10, 2025

City of McFarland Yerlys Hernandez Public Works Director 401 W. Kern Ave. McFarland, CA 93250

Project Name: City of McFarland Police Department Project Address: 402 Mast Avenue, McFarland 93250

DAI Project Number: 50184767

This Addendum is part of the bidding and contract documents and modifies the Bidding Document dated Oct 29, 2025.

## I. RFI RESPONSES / CLARFIFICATIONS

## 1. **RFI #1 - Fencing**

A. Question: L2.402 shows 8' tall perimeter fence whereas L2.403 shows 6' tall sliding gate. Should the fence & gate be the same height? Which is to be used for this project? Response to RFI #1 Page 2

Response: All fences and gates are to be 8' in height, aligned with the tops aligned. Please see L2.403 in Addendum #1.

B. Question: The only fence spec included is for chain link. Is there a spec available for the tube steel fencing gates & slide gate operator & components required for this project?

Response: Please see metal work notes and entry access control notes on L2.001 in Addendum #1. See attached gate operator basis of design cut sheet provided for cost estimation purpose only.

## 2. RFI #02 – Pre-Bid Meeting Date

A. Question: Pre-Bid Meeting Date is different on Notice to Bidders In Section 0001000 and 001113. What is the correct Bid Date for the Pre-Bid Meeting?

Response: Pre-Bid Meeting Date is on Thursday November 13<sup>th</sup>, 2025 at 10:30am





## 3. RFI #03 – Alternate Bid Clarification

- A. Question: Notice to Bidders Work Description States only Pre-Engineered Metal Building in its Entirety and the site work will be bid ad awarded. Please Clarify PEMB in its Entirety
- B. Question: Is Proposal Bid Item #01 to Include the Work Labeled as ALT Bid on A-1/G002 and labeled as "Bid Alternate A" on E1/AB-111?
- C. Question: Project Bidding Scope Item #02 on Drawing G-002 and Several other Current Plans, Differ from the Work Description Provided in the Notice to Bidders and Proposal Form Can the plans be revised to clearly indicate the scope of work to be included in Bid Proposal Items #01 & #02?
- D. Is Proposal Bid Item #01 to Include the work Labeled as Evidence & Detention Area Deductive Alternate on A-1/G002 and Labeled as Bid Alternate A on A2/AB-111

Response: PLEASE SEE BID SCOPE CLARIFICATION ATTACHMENT

## 4. RFI #04 – Standard Agreement Clarification

A. Question: Public Works Agreement, Section 1.2 Incorporation of Caltrans Specifications This section states that "provisions of the Caltrans Standard Specifications are incorporated herein.."and "applicable version of the Standard Specifications shall be the versions referenced in the Contract Documents, and if no version is referenced in the Contract Documents, the applicable version shall be the most recent version."

Does this section 1.2 apply only to the off-site work? Are Mast Avenue and Taylor Avenue subject to Caltrans jurisdiction? Please clarify if and how the Caltrans specifications are applicable to this project.

Response: Taylor Avenue and Mast Avenue are considered local roads and do not fall under Caltrans Jurisdiction. Section 1.2 is standard language in the agreement and only applies in the absence of information regarding asphalt paving.

## 5. RFI #05 – Engineers Estimate

A. Question: Is there an Engineers Estimate for this Project?

Response: The Engineers estimate is \$10,800,000





- II. DRAWINGS
  - 1. L2.001 CONSTRUCTION LEGEND AND NOTES
    - A. Added Section F. ENTRY ACCESS CONTROL NOTES
  - 2. L2.403 CONSTRUCTION DETAILS
    - A. Revised A ELEVATION
    - B. Revised B PLAN
    - C. Revised LEGEND and NOTES

This Addendum consists of 3 pages of narrative and the following attachments.

## Attachments:

- BID SCOPE CLARIFICATION
- L2.001 CONSTRUCTION LEGEND AND NOTES
- L2.403 CONSTRUCTION DETAILS
- GATE OPERATOR BASIS OF DESIGN CUT SHEET

**END OF ADDENDUM #1** 





## BID SCOPE CLARIFICATION ATTACHMENT

**Bid Item #01 Architectural Bid Alternate:** Herein shall refer to the Pre-Engineered Metal Building Complete, including the Foundation, Structure, Interior/Exterior Finishes, Mechanical, Electrical, Plumbing, Equipment, and Technology scopes. Note: Plumbing shall be stubbed out 5ft from the building for future as shown on Note 7 Sheet P200.

The floor plan limits or boundaries of the building are shown on Sheets AB-110 - AB-601 for all scopes mentioned above. This includes Gridlines A - B.1/1 - 5.1. Note: Property, Evidence, and Bag & Tag Room layout and equipment shall also be included in the cost. Reference Sheet AB-111.

The Architectural Bid Alternate Shall Also include the CMU Building Complete for the ELECTRICAL ROOM Located at Gridline B.1/1.1-1.2. Note: Include Cost for Expansion Joints per details A4/A-504 and E1/A-567.

The Architectural Bid Alternate Shall Also include the CMU Block Wall as Shown on Sheet S100 Gridlines **B.1/4-5.** Note: Include Cost for Corner Detail Flashing Per Detail A1/A-505

**EXCLUDE:** Detention Portion of the building from Gridline B.1/1.2 - 3.1

Bid Item #02 – Site Work: Shall include all work per plans and specs. This includes but not limited to, Demo, Grading, Landscape, Gates/Fencing, Site Utilities, offsite utilities, Concrete flatwork, drive approaches, Curb and Gutter, Asphalt, Trash Enclosure, Monument Sign complete, specialties, flag poles, benches, bollards, bike racks, signage.

Note: The only changes for the site work is the Curb and gutter layout and paving limits. Please reference Sheet C-160.

END OF BID SCOPE CLARIFICATION

# I. CONTRACTOR'S CONSTRUCTION WORK RESPONSIBILITIES:

- SCOPE OF WORK: THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS. RANSPORTATION AND SERVICES NECESSARY TO FURNISH AND INSTALL ALL CONSTRUCTION ELEMENTS AS SHOWN ON THE DRAWINGS AND SPECIFIED HEREIN.
- 2. CONFORMANCE: ALL CONSTRUCTION WORK SHALL CONFORM TO APPLICABLE LOCAL, COUNTY AND/OR STATE CODES, REGULATIONS AND RULES.
- LICENSE: ALL WORK SHALL BE PERFORMED BY A STATE LICENSED CONTRACTOR. INSURANCE: THE CONTRACTOR SHALL CARRY ALL WORKMAN'S COMPENSATION, PUBLIC LIABILITY AND PROPERTY DAMAGE INSURANCE AS REQUIRED BY ALL

APPLICABLE CODES, REGULATIONS AND THE OWNER (JOB SUPERINTENDENT)

- SITE VERIFICATION: PRIOR TO COMMENCEMENT OF WORK, THE CONTRACTOR AND ITS SUBCONTRACTORS SHALL VERIFY, AT THE JOB SITE, ALL CONDITIONS AND DIMENSIONS SHOWN ON THE PLANS AFFECTING THE INTENDED DESIGN OF THE LANDSCAPE WORK. ANY DISCREPANCIES SHALL BE REPORTED TO THE OWNER (JOB SUPERINTENDENT)
- LIABLE FOR ENCROACHMENT: THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ENCROACHMENT ONTO ADJACENT PROPERTY, RIGHT-OF-WAYS, EASEMENTS. SET-BACKS OR ANY OTHER LEGAL PROPERTY RESTRICTIONS EITHER MARKED OR
- COORDINATION OF ACTIVITIES: THE CONTRACTOR AND ITS SUBCONTRACTORS SHALL BE RESPONSIBLE FOR COORDINATION OF HIS ACTIVITIES WITH ALL OTHER TRADES THROUGH THE OWNER (JOB SUPERINTENDENT).
- 8. FIELD STAKING: PRIOR TO INSTALLATION, THE CONTRACTOR SHALL LOCATE BY STAKES, OR OTHER MEANS, ALL CONSTRUCTION ELEMENTS AS DELINEATED ON THE PLANS FOR APPROVAL BY THE OWNER (JOB SUPERINTENDENT) AND LANDSCAPE
- NOTIFICATION OF DISCREPANCIES: ANY DISCREPANCIES BETWEEN THE FIELD CONDITIONS AND THE CONTRACT DOCUMENTS AND/OR THE DESIGN INTENT AFFECTING THE SUCCESSFUL COMPLETION AND COST OF THE PROJECT SHALL BE REPORTED TO THE OWNER (JOB SUPERINTENDENT) AND LANDSCAPE ARCHITECT IMMEDIATELY. ALL WORK RELATED TO THE PROBLEM AREA SHALL CEASE UNTIL THE DISCREPANCIES HAVE BEEN RESOLVED BY THE OWNER (JOB SUPERINTENDENT) OR LANDSCAPE ARCHITECT IN WRITING. ANY CONTINUATION OF WORK PRIOR TO THE RESOLUTION OF DISCREPANCIES IS AT THE CONTRACTOR'S RISK AND EXPENSE.
- 10. LIABLE FOR DAMAGE: THE CONTRACTOR SHALL BE LIABLE FOR DAMAGE TO ALL UTILITIES, CONSTRUCTION, IRRIGATION AND PLANTING ELEMENTS, EXISTING OR NEW. MARKED OR UNMARKED, AND SHALL REPAIR OR REPLACE ANY DAMAGED IMPROVEMENTS IN A MANNER ACCEPTABLE TO THE OWNER (JOB SUPERINTENDENT).
- 11. LIABLE FOR LOSS: THE CONTRACTOR SHALL BE RESPONSIBLE AND LIABLE FOR ANY LOSS TO HIS EQUIPMENT, PARTS AND MATERIALS ON THIS PROJECT UNTIL COMPLETION AND ACCEPTANCE OF THE JOB IN WRITING BY THE OWNER (JOB SUPERINTENDENT).
- WRITTEN GUARANTEE: ALL WORK SHALL BE GUARANTEED BY THE CONTRACTOR AS TO THE MATERIAL AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FOLLOWING THE DATE OF FINAL ACCEPTANCE OF PROJECT. THE CONTRACTOR SHALL PROVIDE A WRITTEN GUARANTEE ON HIS LETTERHEAD AT THE TIME OF THE FINAL INSPECTION.
- 13. WRITTEN CERTIFICATION: THE CONTRACTOR SHALL PROVIDE A WRITTEN CERTIFICATION THAT THE CONSTRUCTION WORK IS INSTALLED IN FULL COMPLIANCE WITH THE CONTRACT DOCUMENTS. ANY APPROVED SUBSTITUTIONS OR DEVIATIONS FROM THE PLANS OR SPECIFICATIONS SHALL BE NOTED. THIS CERTIFICATION SHALL BE ON THE CONTRACTOR'S LETTERHEAD WITH HIS SIGNATURE AND STATE CONTRACTOR'S
- 14. STATE CIVIL CODE TO THE EXTENT THAT THIS PROJECT IS GOVERNED BY THE STATE CIVIL CODE, THE CONTRACTOR SHALL CONFORM WITH THE FUNCTIONALITY REQUIREMENT OF THE CIVIL CODE.
- 15. METHODS OF CONSTRUCTION: THE CONTRACT DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. UNLESS OTHERWISE SHOWN, THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES.

## II. OWNER'S CONSTRUCTION WORK RESPONSIBILITIES:

- CONSTRUCTION RESPONSIBILITIES: THE OWNER WILL BE DIRECTLY RESPONSIBLE FOR ALL ASPECTS OF CONSTRUCTION INCLUDING ALL CONSTRUCTION INSPECTIONS. ALL FIELD MEETINGS SHALL BE INITIATED BY THE CONTRACTOR AND COORDINATED THROUGH THE OWNER (JOB SUPERINTENDENT) TO THE LANDSCAPE ARCHITECT. THE LANDSCAPE ARCHITECT SHALL BE IN A SUPPORT OBSERVATION ROLE TO THE OWNER (JOB SUPERINTENDENT) PROVIDING INTERPRETIVE ADVICE ONLY IN ACCORDANCE WITH THE OBSERVATION SCHEDULE AS NOTED.
- 2. DETERMINING LEGAL AND PHYSICAL ELEMENTS: OWNER (JOB SUPERINTENDENT) SHALL BE RESPONSIBLE FOR DETERMINING PROPERTY LINES, RIGHT-OF-WAYS, TRACT BOUNDARIES, GRADES, EASEMENTS, UTILITY LOCATIONS (ABOVE AND BELOW GRADE) ANY OTHER LEGAL OR PHYSICAL ELEMENTS, AS REQUIRED, FOR THE SUCCESSFUL COMPLETION OF THE WORK. CONTRACTOR SHALL NOT BE PERMITTED TO PROCEED WITH ANY WORK WITHOUT DETERMINATION OF THE ABOVE INFORMATION.
- 3. ROUGH GRADE: OWNER (JOB SUPERINTENDENT) FROM SHALL PROVIDE ROUGH GRADE TO WITHIN 1/10TH OF ONÈ FOOT OF FINISH GRADE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FINISH GRADE AND DRAINAGE OF ALL CONSTRUCTION ELEMENTS AT
- SITE DISCREPANCIES: ALL DISCREPANCIES IN SITE CONDITIONS, DRAWINGS OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER (JOB SUPERINTENDENT) AND LANDSCAPE ARCHITECT IMMEDIATELY. IT IS THE OWNER'S (JOB SUPERINTENDENT'S) RESPONSIBILITY TO CONSULT THE LANDSCAPE ARCHITECT PRIOR O ANY FURTHER WORK IN THAT AREA. ANY UNREPORTED DISCREPANCY AND CONTINUED WORK WITHOUT WRITTEN AUTHORIZATION FROM THE OWNER (JOB SUPERINTENDENT) AND LANDSCAPE ARCHITECT SHALL BE AT THE CONTRACTOR'S RISK
- 5. CONTRACT FULFILLMENT: ALL QUESTIONS RELATING TO INTERPRETATION OF THE DRAWINGS AND SPECIFICATIONS, QUALITY OF WORK AND ACCEPTABLE FULFILLMENT OF INTENT OF THE CONTRACT DOCUMENTS SHALL BE DECIDED BY THE OWNER (JOB SUPERINTENDENT) AND LANDSCAPE ARCHITECT CONCURRENTLY.
- PERMITS AND INSPECTIONS: THE OWNER SHALL OBTAIN, COORDINATE AND PAY FOR ANY AND ALL PERMITS, FEES AND AGENCY INSPECTIONS AS REQUIRED.

# III. REQUIRED FIELD OBSERVATION WORK:

REQUIRED FIELD OBSERVATION WORK: THESE PLANS WERE PREPARED WITH THE UNDERSTANDING THAT THE OWNER OF SAID PLANS WILL USE LANDSCAPE CRAFT STUDIO TO PROVIDE 'FULL' CONTRACT SERVICES INCLUDING FIELD OBSERVATION SERVICES DURING CONSTRUCTION. FAILURE TO USE LANDSCAPE CRAFT STUDIO TO PROVIDE AND COMPLETE THE FIELD OBSERVATION SERVICES SET FORTH HEREIN WILL SIGNIFICANTLY INCREASE THE RISK OF LOSS RESULTING, AMONG OTHER CAUSES, FROM MISINTERPRETATION OF THE INTENT OF THE DESIGN, UNAUTHORIZED MODIFICATIONS THERETO, AND FAILURE TO DETECT ERRORS AND OMISSIONS IN THE PLANS AND SPECIFICATIONS BEFORE THEY BECOME COSTLY MISTAKES BUILT INTO THE PROJECT. THEREFORE, IN THE EVENT THAT LANDSCAPE CRAFT STUDIO IS OTHERWISE PRECLUDED FROM COMPLETING THE FIELD OBSERVATION SERVICES SET FORTH HEREIN. THE OWNER. OR SUBSEQUENT OWNER (INDIVIDUALS OR CORPORATIONS WHO HAVE PURCHASED THESE PLANS WITH THE PROJECT), AGREES TO HOLD HARMLESS, INDEMNIFY, AND DEFEND LANDSCAPE CRAFT STUDIO AND THEIR CONSULTANTS FROM AND AGAINST ANY AND ALL CLAIMS.

## IV. LANDSCAPE ARCHITECT'S CONSTRUCTION FIELD **OBSERVATION SCHEDULE:**

- 1. FIELD OBSERVATION COORDINATION: THE FOLLOWING OBSERVATIONS SHALL BE INITIATED BY THE CONTRACTOR AND COORDINATED THROUGH THE OWNER (JOB SUPERINTENDENT). THE CONTRACTOR SHALL NOTIFY THE OWNER (JOB SUPERINTENDENT) AND LANDSCAPE ARCHITECT NOT LESS THAN FORTY-EIGHT (48 HOURS IN ADVANCE OF ANY OBSERVATION. CONTINUED WORK WITHOUT OBSERVATION OF THESE PHASES OF WORK IS AT THE CONTRACTOR'S RISK, WITH ANY REQUIRED CHANGE OR MODIFICATIONS AT THE CONTRACTOR'S EXPENSE. THE OWNER (JOB SUPERINTENDENT) SHALL INFORM THE LANDSCAPE ARCHITECT AS TO THE PÜRPOSE AND TIME OF THE ÓBSERVATION FORTY-EIGHT (48) HOURS IN ADVANCE.
- 2. CONTRACTOR ORIENTATION/ PRECONSTRUCTION MEETING: THIS MEETING SHALL BE CONDUCTED TO DISCUSS THE SPECIFICATIONS, POSSIBLE DISCREPANCIES, SITE CONDITIONS AND OTHER ASPECTS OF THE PROJECT CONSTRUCTION WORK SUCH AS PERSONNEL, SCHEDULE AND REQUIREMENTS FOR STARTING WORK. PRIOR TO THE MEETING. CONTRACTOR SHALL THOROUGHLY ACQUAINT THEMSELVES WITH SITE CONDITIONS AND THE PLANS, DETAILS AND SPECIFICATIONS.
- 3. CONSTRUCTION STAKING AND LAYOUT OBSERVATION: THIS OBSERVATION SHALL BE PERFORMED AFTER ALL CONSTRUCTION ELEMENTS, FLOW LINES AND FINISH GRADES HAVE BEEN LOCATED IN THE FIELD, BUT PRIOR TO FORMING OR EXCAVATING.
- ROUGH CONSTRUCTION PROGRESS OBSERVATION: THIS OBSERVATION SHALL BE PERFORMED AFTER ALL FORMING. EXCAVATION. REINFORCING STEEL AND STRUCTURAL STEEL WORK HAS BEEN COMPLETED, BUT PRIOR TO PLACEMENT OF ANY
- 5. PROGRESS/INSTALLATION INSPECTIONS: PERIODIC INSPECTIONS SHALL BE PERFORMED BY THE OWNER (JOB SUPERINTENDENT) DURING CONSTRUCTION OPERATIONS TO INSURE CONFORMANCE WITH THE PLANS AND SPECIFICATIONS.

CONCRETE.

6. FINAL OBSERVATION/PROJECT CERTIFICATION: THIS OBSERVATION VISIT WILL BE PERFORMED TO REVIEW ALL ASPECTS OF THE CONTRACTED WORK PRIOR TO RELEASING THE PROJECT TO THE OWNER.

## V. <u>SCOPE OF LANDSCAPE CONSTRUCTION NOTES:</u>

## A. GENERAL CONSTRUCTION NOTE:

 THESE SPECIFICATION NOTES IDENTIFY THE MINIMUM REQUIRED PROJECT SCOPE EXPECTATION TO BE PERFORMED BY THE AWARDED LICENSED CONTRACTOR. ALL INFORMATION REFERENCED ON THE APPROVED PLAN AND/ OR DETAILS AND GOVERNING AGENCY REQUIREMENTS SHALL TAKE PRECEDENCE OVER THESE NOTES. THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT OF ANY PLAN, DETAIL AND/ OR NOTE DISCREPANCIES PRIOR TO THE COMMENCEMENT OF ANY WORK. THE CONTRACTOR SHALL NOTIFY THE OWNER / LANDSCAPE ARCHITECT IN WRITING OF ANY CHANGED SPEC WHICH HAS COST DIFFERENCES THAN WHAT IS SHOWN THE APPROVED PLANS.

## BASE SHEETS:

BASE SHEETS WERE DERIVED FROM PLANS: PREPARED BY: KPFF TITLED: GRADING PLAN REVISED: XXXXXXX COPIES AVAILABLE FROM OWNER UPON REQUEST

## C. GEOTECHNICAL REPORT:

THE GEOTECHNICAL REPORT UTILIZED IN THE PREPARATION OF THE CONSTRUCTION PLANS AND DETAILS WAS PREPARED BY: \_XX COPIES AVAILABLE FROM OWNER UPON REQUEST.

## CONCRETE AND MASONRY NOTES:

- LICENSE: THE CONCRETE CONTRACTOR SHALL BE A STATE LICENSED CONCRETE CONTRACTOR. THE MASONRY CONTRACTOR SHALL BE A STATE LICENSED MASONRY
- GEOTECHNICAL REPORTS: ALL EXCAVATION, GRADING, COMPACTION, ETC. SHALL BE ACCOMPLISHED AND PERFORMED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT THE GEOTECHNICAL REPORT IS HEREBY MADE A PART OF THESE DRAWINGS AND THE RECOMMENDATIONS CONTAINED THEREIN ARE TO BE FOLLOWED AND CONSIDERED AS MINIMUM UNLESS MORE STRINGENT REQUIREMENTS ARE NOTED OR DETAILED IN THE DRAWINGS OR SPECIFICATIONS.
- 3. SOILS COMPACTION: ALL EXISTING FILL SOIL AND DISTURBED NATURAL SOILS ARE TO BE EXCAVATED AND REPLACED WITH PROPERLY COMPACTED FILL PER THE GEOTECHNICAL REPORT. ALL FILLING, BACKFILLING, RECOMPACTION, ETC., IS TO BE ACCOMPLISHED ONLY UNDER THE SUPERVISION OF A SOILS ENGINEER.
- 4. INSPECTIONS: ALL EXCAVATIONS ARE TO BE INSPECTED AND APPROVED BY A SOILS ENGINEER PRIOR TO THE PLACEMENT OF ANY FILL OR REINFORCING STEEL
- 5. SLEEVE COORDINATION: ALL PIPE SLEEVING FOR DRAINAGE. IRRIGATION AND ELECTRICAL SERVICE, BENEATH OR EMBEDDED IN CONCRETE OR MASONRY WALLS SHALL BE COORDINATED WITH THE APPROPRIATE SUBCONTRACTORS THROUGH THE
- OWNER (JOB SUPERINTENDENT) AND APPROVED BY THE OWNER. ROCK AND SAND SPECIFICATIONS: AGGREGATES FOR CONCRETE SHALL BE NATURAL SAND AND ROCK CONFORMING TO ASTM C33.
- AGGREGATES: AGGREGATES FOR MORTAR AND GROUT SHALL BE NATURAL SAND AND ROCK CONFORMING TO ASTM C-144 AND C-404.
- CEMENT: CEMENT SHALL BE PORTLAND CEMENT CONFORMING TO ASTM C-150, TYPE II

OR TYPE V SHOW ALKALI PER GEOTECHNICAL REPORT.

- 9. CONCRETE: FOR ALL CONCRETE IN CONTACT WITH SOIL, PROVIDE CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 4,500PSI WITH TYPE V CEMENT PLUS POZZOLAN, A MAXIMUM SLUMP OF 5" AND A MAXIMUM WATER/CEMENT RATIO OF 0.45 UNLESS GEOTECHNICAL ENGINEER BUILDING DEPARTMENT DETERMINES THAT SOILS SULFATE EXPOSURE IS NEGLIGIBLE PER UBC TABLE 19-A-4. (CONTINUOUS INSPECTION NOT REQUIRED UNLESS OTHERWISE NOTED AS DESIGN STRÈNGTH IS 2,500 PSI.)
- 10. FIBER REINFORCING: PROVIDE 1.5 LBS OF ¾" SUPERNET FIBER REINFORCEMENT BY FORTA FIBER CORP. PER CUBIC YARD OF CONCRETE USED FOR FLATWORK ONLY, AS
- 11. CONCRETE BLOCK: ALL CONCRETE BLOCK SHALL CONFORM TO ASTM C-90, GRADE N
- 12. MORTAR: MORTAR SHALL BE TYPE 'S' MIXED IN THE PROPORTIONS OF 1 PART PORTLAND CEMENT TO 1/2 TO 1/4 PARTS LIME PUTTY TO 2-1/4 TO 3 TIMES THE QUANTITY OF THE CEMENT PLUS LIME PUTTY PARTS OF SAND.
- 13. GROUT: GROUT SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI AT 28 DAYS AND SHALL BE MIXED IN PROPORTIONS OF 1 PART PORTLAND CEMENT TO 1/10 PART LIME PUTTY TO 2 TO 3 PARTS SAND TO A MAXIMUM OF 2 PARTS GRAVEL.
- 14. TESTING: ALL CEMENT, AGGREGATE, REINFORCING STEEL, STRUCTURAL STEEL, ETC. SHALL BE FROM TESTED STOCK. COPIES OF TEST REPORTS SHALL BE FURNISHED TO THE OWNER (JOB SUPERINTENDENT) UPON REQUEST.
- 15. COMPRESSIVE STRENGTH OF CONCRETE: ALL CONCRETE SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 2,500 PSI AT 28 DAYS. (5.2 SK/YD). UNLESS NOTED
- 16. REBARS: LAP ALL BARS IN CONCRETE A MINIMUM OF THIRTY SIX (36) TIMES THE DIAMETER OF THE REINFORCING BAR (2'-6" MINIMUM) AT ALL SPLICES. LAP ALL BARS IN MASONRY A MINIMUM OF FORTY (40) TIMES THE DIAMETER OF THE REINFORCING BAR (2'-6" MINIMUM) AT ALL SPLICES, UNLESS NOTED OTHERWISE. SPLICES OF HORIZONTAL REBAR IN WALLS AND FOOTINGS SHALL BE STAGGERED. REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 40, #4 AND SMALLER AND ASTM 1615, GRADE 60, #5 AND
- 17. DOWELS: DOWELS FOR WALLS SHALL BE SAME SIZE AND SPACING AS THE WALL REINFORCEMENT AND SHALL LAP WITH THE REINFORCING BAR AS NOTED ABOVE UNLESS
- 18. SECURE INSERTS: ANCHOR BOLTS, DOWELS, INSERTS, ETC., SHALL BE SECURELY TIED IN PLACE PRIOR TO THE POURING OF ANY CONCRETE OR GROUT. ALL EXPOSED STEEL SHALL BE HOT DIPPED GALVANIZED AND/OR METALIZED.
- 19. WELDING: WELDING OF REINFORCING STEEL SHALL CONFORM TO AWS D12-1 USING PROPER LOW HYDROGEN ELECTRODES.
- 20. MINIMUM CONCRETE COVERAGE: THE FOLLOWING MINIMUM CLEAR DISTANCES BETWEEN REINFORCING STEEL AND FACE OF CONCRETE SHALL BE MAINTAINED UNLESS NOTED OTHERWISE:
- a. SLABS ON EARTH, 2" MINIMUM OR AT CENTER OF SLAB b. CONCRETE BELOW GRADE, FORMED. . . . . . . . 2" MINIMUM COVER c. CONCRETE BELOW GRADE, UNFORMED (POURED AGAINST EARTH) ....... 3" MINIMUM d. MAXIMUM SLUMP IN ALL CONCRETE FLATWORK SHALL NOT EXCEED 4".
- f. FOR TYPE V CEMENT THE MAXIMUM WATER -CEMENT RATIO SHALL NOT EXCEED .45.

e. MAXIMUM WATER-CEMENT RATIO FOR ALL CONCRETE FLATWORK SHALL NOT

- 21. GROUTING: ALL MASONRY SHALL BE REINFORCED GROUTED SOLID MASONRY UNLESS NOTED OTHERWISE. GROUT SOLID ALL CELLS WHICH CONTAIN REBAR, BOLTS, ETC. GROUT SOLID ALL CELLS BELOW GRADE. ALL REINFORCEMENT, BOLTS, ETC. IN MASONRY SHALL HAVE A MINIMUM GROUT COVERAGE OF 3/4".
- AND/OR INSPECTION REQUIREMENTS.

22. SPECIFICATIONS TESTING: SEE STRUCTURAL ENGINEERING CALCULATIONS TEST

- 23. FIELD TESTING: CONTINUOUS INSPECTION SHALL BE PROVIDED BY A TESTING LABORATORY FOR ALL FIELD WELDING, CONCRETE WITH SPECIFIED COMPRESSIVE STRENGTH OF 2,500 PSI OR GREATER AND CAISSONS. MASONRY SHALL HAVE CONTINUOUS INSPECTION WHERE NOTES ARE CALLED FOR IN DRAWINGS.
- 24. FOOTINGS: FOOTINGS SHALL BE OF THE SIZE AND TYPE AS INDICATED ON THE
- 25. BACKFILL: MASONRY CONTRACTOR SHALL BE RESPONSIBLE FOR BACKFILLING ALL WALLS TO GRADES PER PLAN, FINISH GRADING FOR RUNOFF SWALE BEHIND ALL WALLS, PERFORATED DRAIN LINES COMPLETE, WATERPROOFING ALL WALLS BELOW GRADE AND ALL EXCAVATION NECESSARY FOR THE EXECUTION OF MASONRY WORK. RELATIVELY NON-EXPANSIVE FILL SHALL BE USED IN BACKFILLING BEHIND WALLS. ALL RETAINING WALLS SHALL BE ADEQUATELY SHORED DURING THE BACKFILL OPERATION.
- 26. PLASTER: PRECISION BLOCK WALLS AS NOTED ON THE PLANS AND DETAILS SHALL RECEIVE BROWN COAT (3/8" THICK MIN.) APPLIED AS NOTED: PORTLAND CEMENT: 1 PART HYDRATED LIME: 1/4 PART SAND 16/20: 4 PARTS ANTI-SHRINKAGE AGENT: 3 OZ. BY WEIGHT PER SACK CEMENT FOLLOW WITH COLOR FINISH COAT - 1/8" THICK MIN. PORTLAND CEMENT PLASTER - MIX WITH WATER PER MANUFACTURER'S INSTRUCTIONS EXCEPT ADD ONE PART ADMIXTURE EMULSION TO THREE PARTS OF WATER FOR ALL EXTERIOR PLASTER APPLIED TO THE WALLS.
- 27. PLASTER FINISH: ALL PLASTER FINISHES AND COLORS SHALL BE AS INDICATED ON THE DRAWINGS. PROVIDE A 4' X 4' SAMPLE OF EACH FINISH FOR OWNER APPROVAL PRIOR TO PROCEEDING WITH BALANCE OF PLASTER WORK. ALL WORK SHALL CONFORM TO APPROVED SAMPLE AND SHALL BE A PART ON THIS CONTRACT.
- 28. WATER SEAL: APPLY NON-YELLOWING WATER SEALER TO ALL PLASTER SURFACES AS APPROVED BY THE OWNER (JOB SUPERINTENDENT). PROVIDE SAMPLE FOR REVIEW/
- 29. FINISH: CONCRETE COLORS AND FINISHES SHALL BE PER CONSTRUCTION PLANS / CONSTRUCTION SCHEDULE. COLORS AS SPECIFIED ON THE CONSTRUCTION PLAN SHALL BE OF THE INTEGRAL TYPE UNLESS NOTED OTHERWISE ON CONSTRUCTION SCHEDULE. 30. SAMPLES: PROVIDE THE OWNER (JOB SUPERINTENDENT) WITH A 2' X 2' SAMPLE (AT A

MINIMUM) OF ALL CONCRETE FINISHES AS NOTED ON THÉSE PLANS. SAMPLES SHALL

BE APPROVED BY THE OWNER (JOB SUPERINTENDENT) AND LANDSCAPE ARCHITECT

AT THE SITE PRIOR TO POURING FLATWORK. ALL WORK SHALL CONFORM TO THE

- APPROVED SAMPLES. 31. THICKNESS OF CONCRETE: ALL CONCRETE FLATWORK SHALL BE A MINIMUM OF 4" THICK. NOSE ALL EDGES AS SHOWN ON THE DETAILS. REFER TO THE GEOTECHNICAL
- 32. SLOPE WALKS TO DRAIN: ALL CONCRETE FLATWORK SHALL SLOPE TO DRAIN AT A MINIMUM OF 1% IN THE DIRECTION OF SITE DRAINAGE AS INDICATED ON THE

CONSTRUCTION PLAN.

- 33. JOINTS: CONCRETE CONSTRUCTED FROM THESE PLANS SHALL MEET ALL ENGINEER'S OR ARCHITECT'S WALKS, DRIVEWAYS, CONCRETE DECKS AND PADS, AND TOPS OF CURBS, ETC. FLUSH.
- 34. CONSTRUCTION JOINTS: CONSTRUCTION JOINT SPACING IN CONCRETE FLATWORK OCCURS, AT A MINIMUM, AT ALL CHANGES IN DIRECTION AND SHALL NOT EXCEED A MAXIMUM SPACING OF 20'-0" ON CENTER. OR AS NOTED ON THE PROJECT GEOTECHNICAL REPORT. CONSTRUCTION JOINT MATERIAL SHALL BE AS APPROVED BY THE OWNER (JOB SUPERINTENDENT).

## E. METAL WORK NOTES

- 1. LICENSE: THE TUBULAR STEEL FENCE CONTRACTOR SHALL BE A STATE LICENSED TUBULAR STEEL FENCE CONTRACTOR.
- MATERIAL STANDARDS: ALL STEEL TUBING SHALL BE ASTM 500 GRADE A, OR ASTM A501 SEAMLESS. ALL STAINLESS STEEL SHALL BE GRADE 316 UNLESS NOTED OTHERWISE. STATE AND LOCAL CODES: ALL FENCING AS SHOWN ON THE PLANS AND DETAILS IS
- NOT CONFORM SHALL BE BROUGHT TO THE OWNER'S (JOB SUPERINTENDENT) AND LANDSCAPE ARCHITECT'S ATTENTION PRIOR TO FABRICATION AND INSTALLATION. 4. PRIMER PAINT: PRIME ALL METAL AFTER FABRICATION PRIOR TO DELIVERY TO THE JOB

INTENDED TO MEET THE MINIMUM STATE AND LOCAL CODES. ALL CONDITIONS THAT DO

- REPAIR OF GALVANIZED SURFACES: TO TOUCH-UP GALVANIZED SURFACES, USE 95% ZINC AS MANUFACTURED BY 'ALL-STATE' WELDING ALLOYS COMPANY OR EQUAL.
- QUALITY CONTROL: MISCELLANEOUS METAL WORK SHALL BE FREE OF DEFECTS WHICH IMPAIR STRENGTH, DURABILITY AND APPEARANCE.
- INSTALLATION: ERECT PLUMB, STRAIGHT, TRUE AND ACCURATELY FIX IN PLACE, BRACE, REINFORCE, AND ANCHOR IN PLACE. GRIND ALL FIELD WELDS SMOOTH.
- SLEEVES: SET RAILING STANDARDS TRUE AND PLUMB IN PROPERLY POSITIONED SLEEVES, THEN BRACE TO POSITION AND CEMENT IN PLACE WITH QUICK SETTING
- 9. CORROSION PREVENTION: PROTECT ALL DISSIMILAR METALS FROM GALVANIC CORROSION BY PRESSURE TAPES, COATINGS OR ISOLATORS.
- 10. CLEANING: AFTER ERECTION, CLEAN OFF ALL RUST, SCALE AND OIL. CLEAN FIELD WELDS, BOLTS AND ABRADED AREAS. TOUCH UP ALL AREAS WITH THE SAME MATERIAL AS USED FOR THE SHOP COAT LEAVING ALL SURFACES READY TO RECEIVE FINISH
- 11. ZINC GALVANIZED/METALIZED METAL: ALL METAL SHALL BE PRIMED ZINC METALIZED OR HOT DIPPED GALVANIZED.
- 12. PAINTING: APPLY ONE (1) COMPLETE PRIMER COAT PER NOTE (6) ABOVE AND A MINIMUM OF TWO (2) COATS OF EXTERIOR METAL PAINT. PAINT AND PAINT COLOR TO BE APPROVED BY THE OWNER. PROVIDE ANY ADDITIONAL COLOR COATS TO PROVIDE
- 13. POWDER COATED METAL: ALL POWDER COATED METALS SHALL HAVE A ZINC METALIZED PRIMER APPLIED PRIOR TO POWDER COAT.

# F. ENTRY ACCESS CONTROL NOTES

WORKABLE GATE SYSTEM.

LICENSE: THE VEHICULAR GATE CONTRACTOR SHALL BE A STATE LICENSED CONTRACTOR.

PERMITS AND INSPECTIONS: THE GATE CONTROL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS AND ANY OR ALL SHOP DRAWINGS THAT MAY BE

REQUIRED TO OBTAIN SAID PERMITS. THE CONTRACTOR SHALL APPLY FOR ALL PERMITS, AGENCY REQUIRED INSPECTIONS. 3. COORDINATION OF ACTIVITIES: THE GATE CONTROL CONTRACTOR SHALL COORDINATE

4. FIELD STAKING: PRIOR TO INSTALLATION, THE GATE CONTROL CONTRACTOR SHALL LOCATE BY STAKES, OR OTHER MEANS, ALL CONTROL FIXTURES FOR APPROVAL BY THE

HIS WORK WITH OTHER TRADES AND INSTALL ALL NECESSARY SLEEVES, STUB-OUTS,

LANDSCAPE ARCHITECTS AND OWNER (JOB SUPERINTENDENT) THE GATE CONTROL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS SHOWN ON THE PLANS AT THE SITE PRIOR TO COMMENCEMENT OF ANY WORK UNDER THIS CONTRACT.

CONFORMANCE: ALL GATE CONTROL WORK SHALL COMPLY WITH UL325 AND ALL

APPLICABLE LOCAL CODES AND BUILDING DEPARTMENT REQUIREMENTS. ALL MATERIALS SHALL BE NEW AND BEAR U.L. LABELS. SHOP DRAWINGS: CONTRACTOR SHALL SUBMIT TO OWNER AND LANDSCAPE ARCHITECT. THREE (3) SETS OF SHOP DRAWINGS INDICATING ENTRY PHONE UNIT

HOOK-UP, CIRCUIT DATA AND INSTALLATION DETAILS FOR COMPLETE OPERATING THE GATE CONTROL CONTRACTOR SHALL PROVIDE THE FOLLOWING GATE CONTROL

DEVICES AND PROVIDE ANY AND ALL APPURTENANCES TO INSURE COMPLETE

 A. GATE OPERATOR SHALL BE TYPE SL-40 WITH REVERSING MECHANISM AND RECEIVER. ACCESS CONTROL CONTRACTOR SHALL PROVIDE DOUBLE SAFETY LOOP SYSTEM AND MINIMUM TWO TRANSMITTERS, OR AS DIRECTED AND APPROVED BY OWNER. TYPE OF TRANSMITTER SHALL BE FOR AUTOMATIC GARAGE DOOR OPENER (DUAL BUTTON SYSTEMS) OR AS REQUESTED BY

# **FENCES I FGEND**

. –	323 2232113						
CODE	DESCRIPTION	DETAIL	SUPPLIER	PRODUCT / MATERIAL	COLOR	FINISH	REMARK
F-01	TUBULAR STEEL FENCE	A/L2.404	AMERISTAR FENCE	MONTAGE COMMERCIAL FENCE	MATT BLACK	MAJESTIC OR	PROVIDE SHOP DRAWINGS AND COLOR
			AMERISTARPERIMETE	OR APPROVED EQUAL		APPROVED EQUAL	SAMPLE FOR APPROVAL
			R.COM 800-321-8724				INSTALL PER MANUFACTURER'S
i							RECOMMENDATION

# GATES LEGEND

CODE	DESCRIPTION	DETAIL	SUPPLIER	PRODUCT / MATERIAL	COLOR	FINISH	REMARK
G-01	PEDESTRIAN GATE	B/L2.402	AMERISTAR FENCE	MONTAGE COMMERCIAL CUSTOM	MATT BLACK	MAJESTIC OR	AMERISTAR FENCE
			AMERISTARPERIMETE	GATE OR APPROVED EQUAL		APPROVED EQUAL	AMERISTARPERIMETER.COM
			R.COM 800-321-8724				800-321-8724
G-02	VEHICULAR SLIDING GATE	A/L2.403	AMERISTAR FENCE	MONTAGE COMMERCIAL CUSTOM	MATT BLACK	MAJESTIC OR	AMERISTAR FENCE
			AMERISTARPERIMETE	GATE OR APPROVED EQUAL		APPROVED EQUAL	AMERISTARPERIMETER.COM
			R.COM 800-321-8724				800-321-8724

# PAVING LEGEND

L									
	CODE	DESCRIPTION	DETAIL	SUPPLIER	PRODUCT / MATERIAL	COLOR	FINISH	LEAD TIME	REMARK
	P-01	NATURAL GRAY CONCRETE - PEDESTRIAN GRADE	A/L2.401	N/A	POURED-IN-PLACE CONCRETE	NATURAL GRAY	LIGHT ETCH OR	N/A	PROVIDE 4'X4' MOCK UP FOR
							EQUIVALENT		APPROVAL.
	P-02	CONCRETE WALKWAY PER CIVIL ENGINEERING		N/A	POURED-IN-PLACE CONCRETE	NATURAL GRAY	LIGHT BROOM FINISH		PROVIDE 4'X4' MOCK UP FOR
		PLAN							APPROVAL.
	P-03	STABILIZED DECOMPOSED GRANITE	C/L2.401	SOUTHWEST	DECOMPOSED GRANITE WITH	SUNSET GOLD	STABILIZED WITH	N/A	PROVIDE SAMPLE FOR REVIEW AND
				BOULDER AND STONE	ORGANIC-LOCK		ORGANIC LOCK		APPROVAL. INSTALL PER
									MANUFACTURER RECOMMENDATIONS.
	P-04	3" THICK ROCK MULCH		TBD	3/4' GRAVEL	SUNSET GOLD	WASHED		PROVIDE SAMPLE FOR APPROVAL

# SITE ELEMENT

O11 E								
CODE	DESCRIPTION	DETAIL	SUPPLIER	PRODUCT / MATERIAL	COLOR	FINISH	LEAD TIME	REMARK
S-01	BICYCLE RACK	C/L2.404	VESTRE	686A WITH BASE PLATE / GALVANIZED STEEL	RAL7024 GRAPHITE GREY	POWDERCOATED	TBD	PROVIDE CUT SHEET AND COLOR SAMPLE FOR REVIEW AND APPROVAL BY OWNER. INSTALL PER MANUFACTURER'S RECOMMENDATION
S-02	BENCH - WITH BACK	D/L2.404	LANDSCAPE FORMS	MULTIPLICITY BENCH STRAIGHT WITH END ARMS	WHITE FRAME	POWDERCOAT FRAME WITH IPE WOOD	TBD	PROVIDE CUT SHEET AND COLOR SAMPLE FOR REVIEW AND APPROVAL BY OWNER. INSTALL ANCHOR PER MANUFACTURER'S RECOMMENDATION
S-03	TRASH RECEPTACLE		LANDMARK CONTRACTORS ENRIQUE RAMIREZ 1-562-360-5636	CYLINDER PRECAST GFRC WITH ROUND RECEPTACLE LID	BLACK LEAD	SMOOTH MATT	16-WEEKS	PROVIDE SURFACE MOUNT HOLES IN BASE. PROVIDE CUTSHEET AND COLOR SAMPLE FOR REVIEW AND APPROVAL BY OWNER
S-04	FLAG POLE	B/L2.404	CONCORD AMERICAN FLAGPOLE	25` TALL, 6" DIAMETER MONARCH SERIES - ICC INTERNAL CAM CLEAT INTERNAL REVOLVING TRUCK - ROPE HALYARD (ICC25D61); STANDARD CONE TAPERED FLAGPOLE; AMERICAN FLAG POLE TO RECEIVE FLYING EAGLE CAP (EAG-0450-NAT (15") STYLE A - FC11 SPUN ALUMINUM	POLE; CLR-CLEAR ROPE; SILVER POLYESTER	SATIN ALUMINUM FINISH	TBD	CONTRACTOR TO PROVIDE CUT SHEET WITH SELECTIONS FOR APPROVAL
S-05	BOLLARDS	A/L2.404	1800BOLLARDS.COM	STAINLESS STEEL BOLLARD COVER	#4 POLISHED	POLISHED 316 STAINLESS STEEL	6 TO 8 WEEKS	PROVIDE CUT SHEET. INSTALL PER MANUFACTURER'S RECOMMENDATION.

# WALLS LEGEND

CODE	DESCRIPTION	DETAIL	PRODUCT / MATERIAL	COLOR	FINISH	LEAD TIME	REMARK
W-01	LOW SEAT WALL WITH CONCRETE CAP	C/L2.402	CMU WITH VENEER	VENEER: MATCH	VENEER MATCH	TBD	PROVIDE SAMPLES AND MOCKUP FOR
			FINISH, PRECASET CONCRETE	BUIDLING CAP: NATURAL	BUILDING CAP:		REVIEW AND APPROVAL.PROVIDE.
			CAP	GRAY	SMOOTH FINISH		PROVIDE SHOP DRAWINGS OF THE
							PRECAST CAP FOR REVIEW.
W-02	MONUMENTATION WALL	D/L2.401	PILASTER :CMU WITH VENEER	VENEER: MATCH BUIDLING	VENEER MATCH	TBD	TBD
			FINISH,	STOCCO: NATURAL	BUILDING		
			WALL:CMU WITH VENEER AND	GRAY CAP: NATURAL GRAY	STUCCO: SMOOTH		
			STUCCO FINISH PRECASET	·	FINISH CAP: SMOOTH		

CONCRETE CAP

# Dewberry

Dewberry Architects Inc. 8401 Arlington Boulevard Fairfax, VA 22031-4619 703.849.0100

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**KEY PLAN** 

REVISIONS Addendum #1

DESCRIPTION

APPROVED BY CHECKED BY

DATE

CONSTRUCTION **LEGEND AND** 

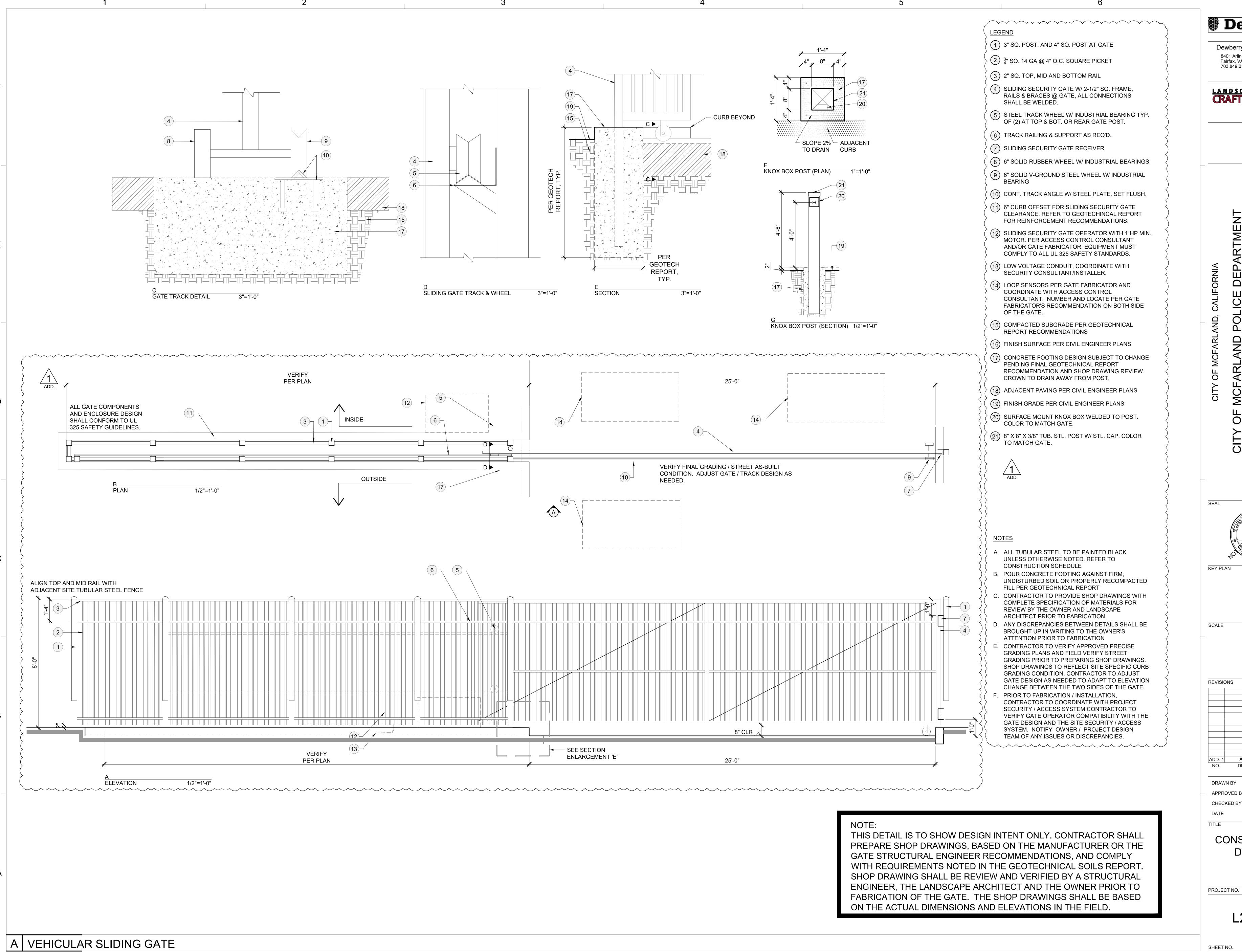
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LCS2025026

NOTES

SHEET NO.

PROJECT NO.



Dewberry

Dewberry Architects Inc. 8401 Arlington Boulevard Fairfax, VA 22031-4619 703.849.0100

CRAFT STUDIO inc.

KEY PLAN

REVISIONS Addendum #1 DESCRIPTION

APPROVED BY CHECKED BY

10/29/2025

CONSTRUCTION

**DETAILS** 

50184767

LCS2025026

L2.403

SHEET NO.

This cut sheet is provided for initial pricing and cost estimation reference only. Refer to final shop drawings and submittals for the final operator specification. All equipment must comply to UL 325 safety standards.

# 24VDC HEAVY-DUTY VARIABLE SPEED SLIDE GATE OPERATOR

Ideal for heavy gate and extreme applications.



CONTINUOUS-DUTY ORRENTON up to 6 million cycles

**MOVE HEAVY GATES** up to 3,000 lbs. at 1 ft/sec.

## RELIABLE

CONTINUOUS-DUTY GATE OPERATION BUILT WITH A CUSTOM HEAVY-DUTY GEAR BOX, SIZE 70, DIRECT DRIVE 40:1 GEAR RATIO.

CUSTOM 1.5 HP PEAK BRUSHLESS DC MOTOR DELIVERS UP TO 6 MILLION CYCLES.

VARIABLE CYCLE SPEED ADJUSTS TO MEET APPLICATION NEEDS FROM .5 FT./SEC. TO 1 FT./SEC.

SMOOTH START/STOP OPERATION AND MID-TRAVEL REVERSAL EXTEND OPERATOR HARDWARE LIFE.

#40 INDUSTRIAL CHAIN PROVIDES A PULL STRENGTH OF 2X THE GATE WEIGHT.

## **SMART**

POWERED BY myQ® FOR FULL INSIGHT AND CONTROL OVER COMMUNITY AND FACILITY ACCESS POINTS. MONITOR AND CONTROL MULTIPLE COMMUNITIES WITH SMART COMMUNITY ACCESS. IMPROVE WAREHOUSE EFFICIENCY AND PRODUCTIVITY WITH SMART FACILITY ACCESS.\*

FOUR PROGRAMMABLE AUXILIARY RELAYS ACCOMMODATE MORE ACCESSORIES.

WIRELESS DUAL-GATE COMMUNICATION SYNCHRONIZES GATE OPERATION AND ELIMINATES COSTLY TRENCHING: SET SPEED INDEPENDENTLY IF NEEDED.

## SAFE AND SECURE

QUICK CLOSE AND ANTI-TAILGATE QUICKLY SECURES PROPERTY, PREVENTING UNAUTHORIZED ACCESS.

POSILOCK® AUTOMATICALLY CLOSES THE GATE WHEN IT IS PUSHED FROM THE CLOSED LIMIT.

UL® LISTED GATE OPERATOR WITH MONITORED SAFETY ENTRAPMENT PROTECTION DEVICES.

\*When linked with an access control powered by myQ. Cellular data or Wi-Fi® connection required. Test equipment regularly and follow safety instructions.

## **INCLUDED ACCESSORIES:**

#### MONITORED RETRO-REFLECTIVE PHOTO EYE

Reliable retro-reflective photo eye with heater and wide beam, engineered to stay aligned; max. range: 50 ft.



MONITORED SMALL-PROFILE RESISTIVE EDGE Senses obstructions. (



## **SAFETY ADD-ONS:**

## **MONITORED THROUGH-BEAM** PHOTO EYES

Reliable through-beam with wide beam and heater for high performance in most environments; max. range: 90 ft.



## MONITORED WIRELESS EDGE KIT & TRANSMITTER

Low-energy Bluetooth® connection between a Resistive Edge and the gate operator; max. range: 130 ft.



**MONITORED RESISTIVE EDGES** 

Full line of Small and Large Profile Edges that sense obstructions.



## **TOTAL SOLUTION ACCESSORIES:**

#### **CONNECTED ACCESS PORTAL** WITH VIDEO

Cloud-based access control for residential communities.



CAPXLV

OOPDETLN

#### PLUG-IN LOOP DETECTOR

Prevents the gate from closing on a vehicle in the path; power efficient for maximum cycles on Battery Backup.



## INTERNET GATEWAY

Connects myQ-enabled gate operators to the Internet and enables control through the myQ app and communication to Access Control Systems powered by myQ.







24VDC HEAVY-DUTY

## MASTERFUL ENGINEERING.

#### **MECHANICS**



- -24VDC Brushless Continuous-Duty Motor
- Operator Duty Rating: High-Cycle, High-Temperature Continuous-Duty
- Direct Drive

#### POWER



- 120/240VAC Single-Phase
  - Accessory Power: 24VDC 1 A Max. Output; Switched and Unswitched Power
  - Optional Kit (3PHCONV) to Convert a 3-Phase Input Voltage of 208/240/480/575VAC to an Output Voltage of 120VAC



 Solar-Ready, Ultra-Reliable System Delivers Power When and Where You Need It (LMRRUL/LMTBUL Heater Option Not Recommended for Solar Applications)

#### COMMERCIAL-GRADE DESIGN



- Chassis: Constructed with 1/4 in. Steel, Powder Coated
- Cover: High-Density, UV-Resistant Polyethylene Cover for Excellent Heat and Corrosion Resistance
- Warranty: 5 Years Commercial, 7 Years Residential
- UL® Usage Classification: I, II, III and IV
- -Operator Weight: 172 lbs.

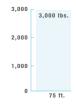


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#### CAPACITIES







## STANDARD FEATURES.

#### INHERENT REVERSING SENSOR

- Detects Obstructions and Reverses Gate

#### **POSILOCK®**

- Automatically Closes the Gate When It Is Pushed from the Closed Limit

#### MANUAL DISCONNECT

- Allows Gate to Be Opened Manually When Released

## **MONITORED SAFETY INPUTS**

-3 Main Board, 3 Expansion Board

# SECURITY+ 2.0° ON-BOARD RADIO RECEIVER

-Up to 50 Remote Controls (Unlimited with 811LMX/813LMX)

#### LED DIAGNOSTIC DISPLAY

- Simplifies Installation and Troubleshooting

#### PROGRAMMABLE AUXILIARY RELAYS

 4 Relays Make Adding Additional Features Easy

#### **HOMELINK® COMPATIBLE**

-Version 4.0 or Higher\*

\*May require an external adapter depending on the model and year of your vehicle. Visit HomeLink.com for additional information.

## SUPPORT.



For Support Tools and Training Videos, Visit LiftMasterTraining.com

For More Information on Gate Operators, Visit LiftMaster.com/UL325Gates



Sales Support: 800.282.6225
Technical Support Center: 800.528.2806

Technical Support Center: **800.528.28** To Order: **800.323.2276** 



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