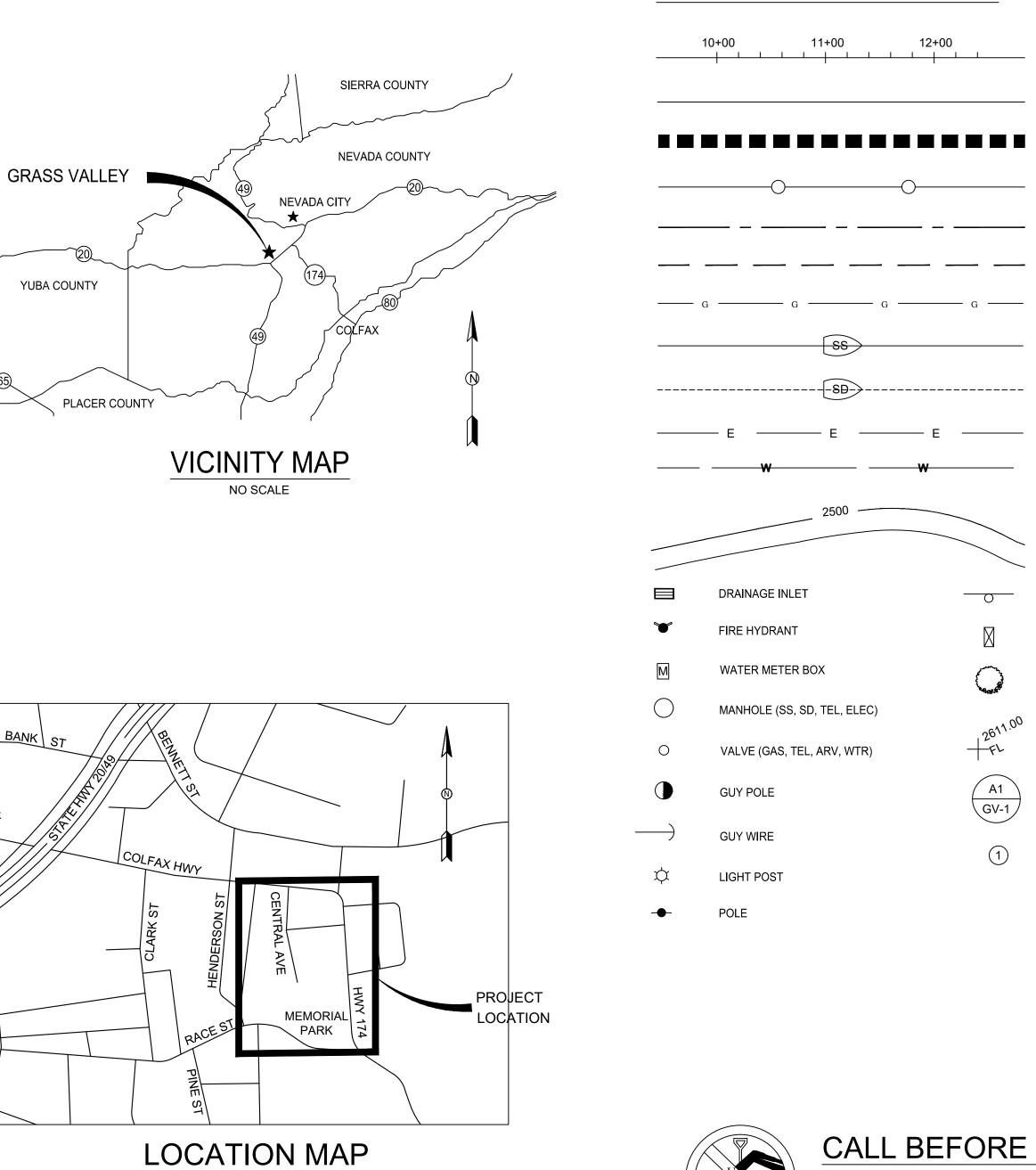


NO SCALE

BANK

CONSTRUCTION LEGEND:





CITY OF GRASS VALLEY ENGINEERING DIVISION IMPROVEMENT PLANS FOR

CDBG MEMORIAL PARK FACILITIES IMPROVEMENTS PROJECT PROJECT NO. 20-05

(E) FENCE LOT/ROW LINE ASEMENT LINE (E) SEWER AND SIZE (E) STORM DRAIN AND SIZE (E) ELECTRIC (E) WATER (E) CONTOUR LINES SINGLE POLE SIGN MAILBOX TREE (E) SPOT ELEVATION DETAIL NO / PLAN SHEET

STATION LINE

E) CURB; DIKE; DRIVEWA

CONSTRUCTION KEYNOTE

SHEET INDEX:

- TITLE SHEET
- POOL DEMOLITION PLAN POOL GRADING PLAN
- POOL UTILITY PLAN
- LAP POOL DETAIL & SECTIONS
- **ACTIVITY POOL DETAIL & SECTIONS**
- **MECHANICAL BUILDING DEMO & STRUCTURAL**
- **MECHANICAL BUILDING & EQUIPMENT**
- POOL PARKING LOT AND VICINITY PLAN

ABBREVIATIO	DNS:

AB	AGGREGATE BASE	ዊ
AC	ASPHALT CONCRETE	Р
BOW	BACK OF SIDEWALK	PSI
C&G	CURB AND GUTTER	PUE
CF	CUBIC FOOT	PVC
C	CENTERLINE	PVN
CY	CUBIC YARD	R
E	ELECTRIC	RCI
(E)	EXISTING	RW
ELEV	ELEVATION	RO
EOP	EDGE OF PAVEMENT	SD
FL	FLOW LINE	SF
FT	FEET	SY
FTG	FOOTING	ST
G	GAS	STA
ID	INSIDE DIAMETER	STE
IE	INVERT ELEVATION	SW
L	LEFT	SS
LF	LINEAR FOOT	TBC
MAX	MAXIMUM	TBN
MH	MANHOLE	TΒV
MIN	MINIMUM	TFC
MISC	MISCELLANEOUS	тс
NO	NUMBER	TP
NTS	NOT TO SCALE	TS
OD	OUTSIDE DIAMETER	ΤW
PCC	PORTLAND CEMENT CONCRETE	TYF

2	PROPERTY LINE
D	PROPOSED
PSI	POUNDS PER SQUARE INCH
PUE	PUBLIC UTILITY EASEMENT
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
२	RADIUS
RCP	REINFORCED CONCRETE PIPE
RW	RETAINING WALL
ROW	RIGHT OF WAY
SD	STORM DRAIN
SF	SQUARE FOOT
SY	SQUARE YARD
ST	STREET
STA	STATION
STD	STANDARD
SW	SIDEWALK
SS	SANITARY SEWER
ГВС	TOP BACK OF CURB
ГВМ	TEMPORARY BENCHMARK
ΓBW	TOP BACK OF WALK
TFC	TOP FACE OF CURB
ГС	TOP OF CURB
ΓP	TELEPHONE POLE
rs	TRAFFIC SIGNAL
ΓW	TOP OF WALL
ΓYΡ	TYPICAL

UTILITY/EMERGENCY CONTACTS:

WATER/SEWER/ STORM DRAIN:	CITY OF GRASS VALLEY 125 E MAIN ST GRASS VALLEY, CA 95945	530-274-4350
FIRE PROTECTION:	CITY OF GRASS VALLEY 125 E MAIN ST GRASS VALLEY, CA 95945	530-274-4370
ELECTRICITY/GAS:	PG&E 788 TAYLORVILLE RD, GRASS VALLEY, CA 95945	530-477-3260
TELEVISION:	COMCAST 427 EATON RD, CHICO, CA 95973	530-206-6172
PHONE:	AT&T 12824 EARHART DRIVE, AUBURN, CA 95602	530-888-2031
WATER:	NEVADA IRRIGATION DISTRICT 1036 W MAIN ST, GRASS VALLEY, CA 95945	530-273-6185

CALL BEFORE YOU DIG

THE CONTRACTOR SHALL CALL "UNDERGROUND SERVICE ALERT" (USA) AT 1-800-227-2600 AT LEAST TWO WORKING DAYS PRIOR TO PERFORMING EXCAVATION.

10. PARK DEMOLITION PLAN 11. PARK WATER LINE REPLACEMENT 12. PARK FACILITIES CONSTRUCTION I 13. PARK FACILITIES CONSTRUCTION II 14. DETAILS I 15. DETAILS I

16. DETAILS III 17. DETAILS IV

NOTES:

- THE CONTRACTOR SHALL POSSESS A VALID CALIFORNIA CLASS "A" CONTRACTOR'S LICENSE. OR A COMBINATION OF THE FOLLOWING CLASSES: C-5 - FRAMING AND ROUGH CARPENTRY CONTRACTOR C-8 - CONCRETE CONTRACTOR C1 FLECTRICAL CONTRACTOR C12 - FARTHWORK AND P DECORATING CONTRACTOR, C36 - PLUMBING CONTRACTOR, C39 - ROOFING CONTRACTOR, C50 - REINFORCING STEEL CONTRACTOR, C53 - SWIMMING POOL CONTRACTOR, D-63 CONSTRUCTION CLEANUP CONTRACTOR, AND ALL OTHER CLASSES REQUIRED BY THE CATEGORIES AND TYPES OF WORK INCLUDED IN THE CONTRACT AT THE TIME OF THE BID AWARD. ALL LICENSES SHALL REMAIN IN EFFECT THROUGHOUT THE TERM OF THE CONTRACT.
- THE CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO LATEST 2. EDITIONS OF THE STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS AND STANDARD PLANS, THE IMPROVEMENT STANDARDS AND STANDARD DRAWINGS OF THE CITY OF GRASS VALLEY AND THE CALIFORNIA MUTCD. IN CASE OF CONFLICT, REFER TO THE PROJECT SPECIAL PROVISIONS FOR ORDER OF PRECEDENCE.
- THE CITY OF GRASS VALLEY HAS MADE EVERY EFFORT TO SHOW LOCATIONS OF 3. ANY AND ALL EXISTING SURFACE AND SUBSURFACE STRUCTURES. HOWEVER, ACTUAL FIELD CONDITIONS AND LOCATIONS CAN VARY CONSIDERABLY FROM PLAN LOCATIONS. THEREFORE, THE CITY OF GRASS VALLEY CANNOT, AND DOES NOT, ASSUME RESPONSIBILITY OF THE EXISTENCE OR LOCATION OF ANY STRUCTURE SUCH AS, BUT NOT LIMITED TO, UTILITIES, PIPELINES AND SEWERS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL AGENCIES AND/OR OWNERS TO VERIFY THIS INFORMATION PRIOR TO AND DURING CONSTRUCTION OF IMPROVEMENTS SHOWN HEREON, AND TO CONTACT THE ENGINEER IN THE EVENT OF ANY SIGNIFICANT DISCREPANCY.
- THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE LOCATION OF, AND 4 PROTECTING ALL EXISTING UTILITIES AND REPAIRING DAMAGE TO EXISTING UTILITIES. THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (1-800-227-2600) TWO WORKING DAYS PRIOR TO COMMENCEMENT OF EXCAVATION.

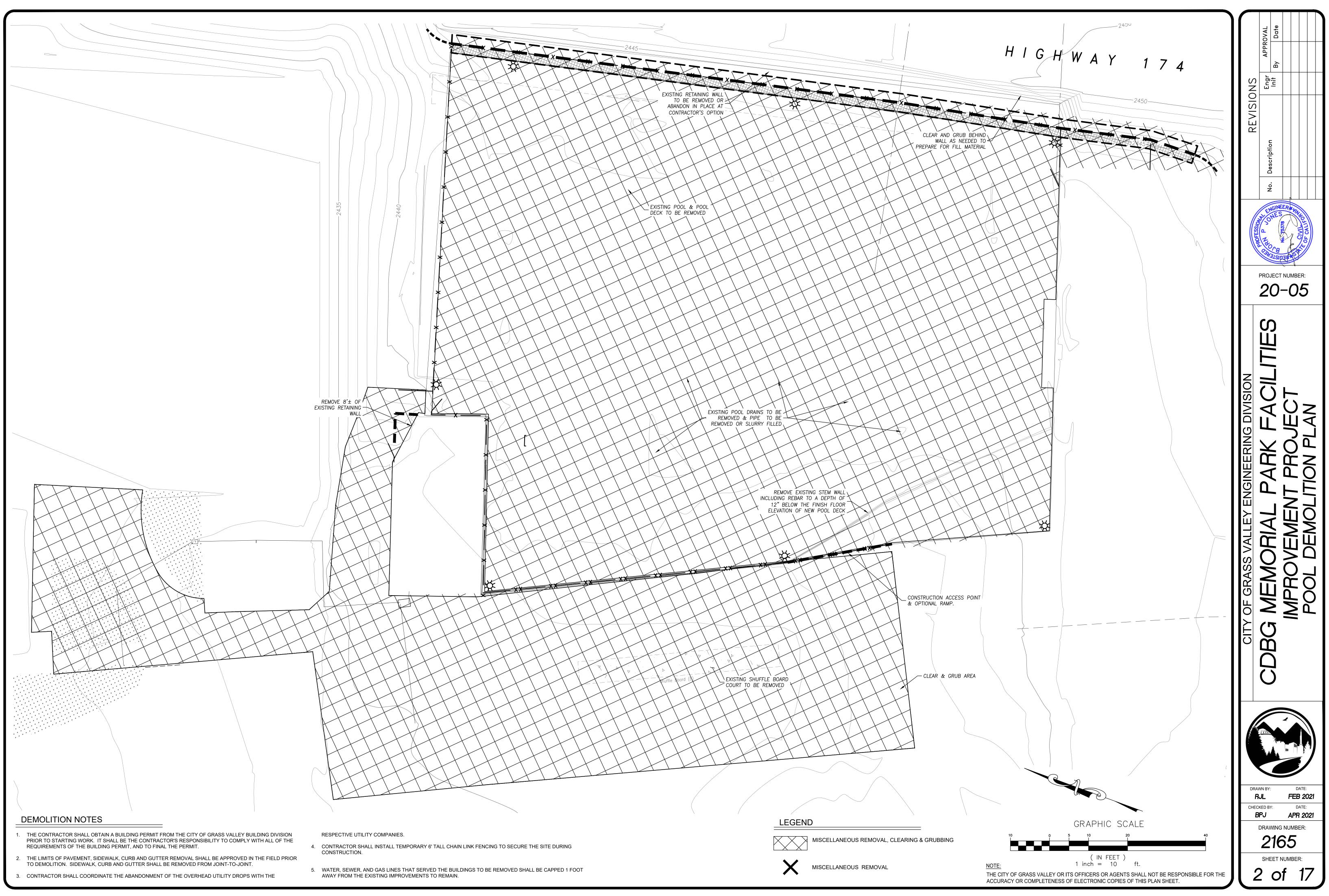
RECORD DRAWINGS NOTE:

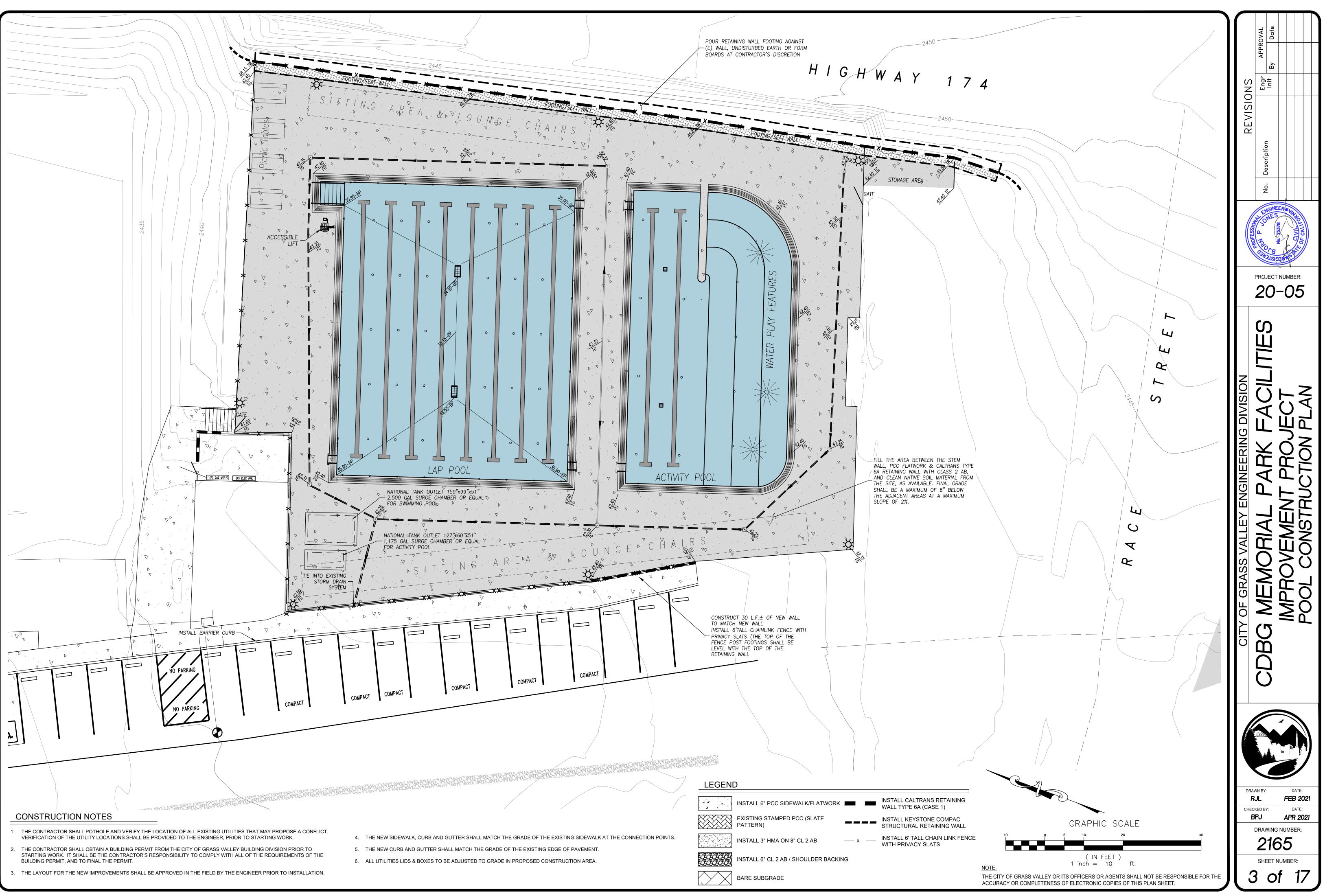
ALL INFORMATION SHOWN ON THESE PLANS HAS BEEN PREPARED BY, OR UNDER THE DIRECTION OF, THE UNDERSIGNED ENGINEER. ADJUSTMENTS MADE IN THE FIELD DURING CONSTRUCTION ARE INCLUDED HEREIN AND ARE BASED UPON FIELD OBSERVATIONS MADE UNDER THE DIRECTION OF OR BY THE UNDERSIGNED AND/OR INFORMATION RECEIVED FROM THE CITY CONSTRUCTION INSPECTOR, PROJECT CONTRACTORS AND OTHER SOURCES WHEN THE ENGINEER IS ADVISED IN WRITING OF SUCH ADJUSTMENTS. THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, CHANGES TO THESE PLANS NOT AUTHORIZED BY THE ENGINEER. ADJUSTMENTS MADE IN THE FIELD WERE NOT SURVEYED AND THE ACCURACY OF THESE DRAWINGS WITH RESPECT TO THOSE ADJUSTMENTS IS NOT GUARANTEED BY THE ENGINEER OR THE CITY OF GRASS VALLEY; FIELD VERIFICATION OF ALL IMPROVEMENTS IS RECOMMENDED.

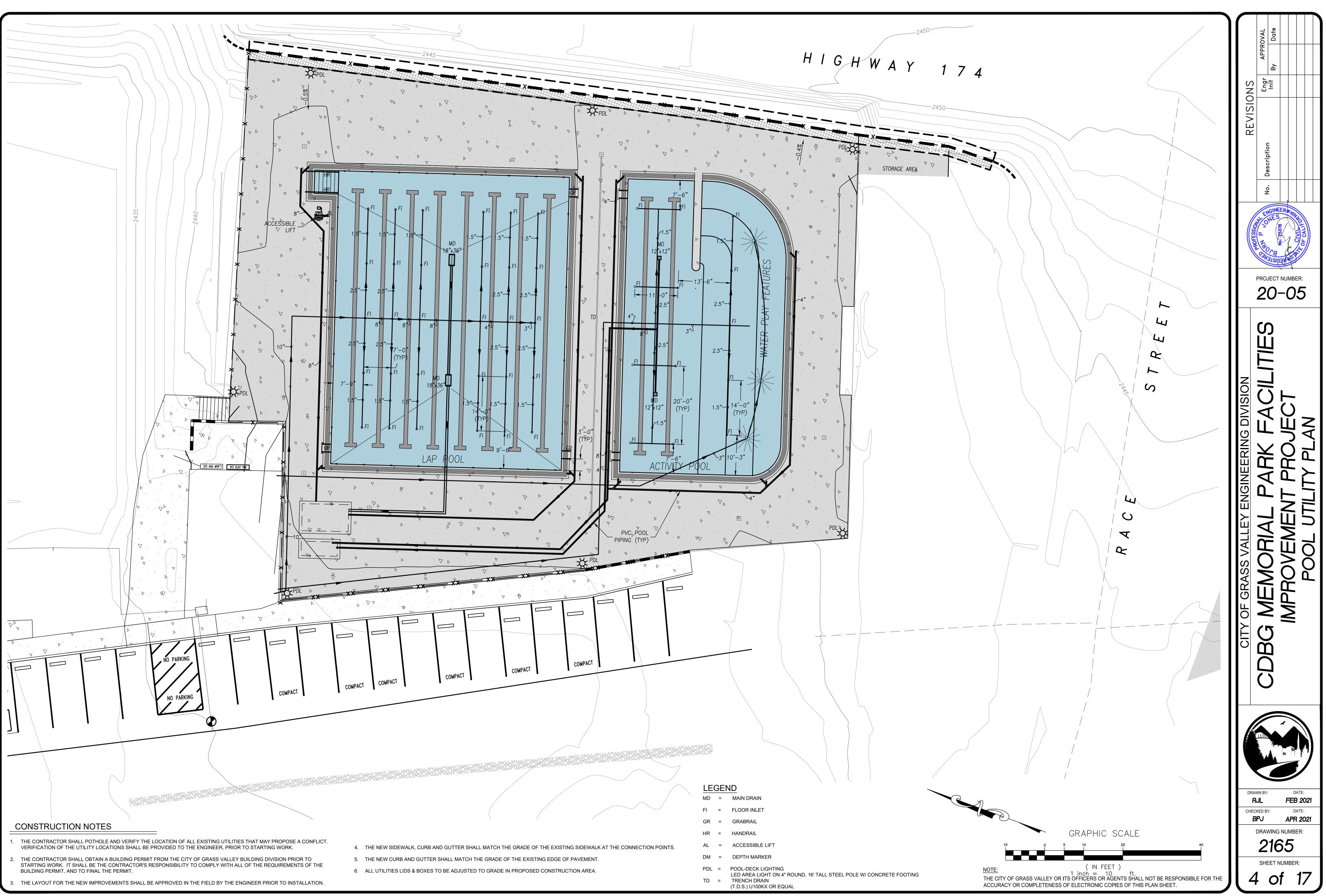
DATE ENGINEER SIGNATURE (STAMP OR SEAL)		
DEPUTY CITY CLERK	"APPROVED BY THE CITY COUNCIL OF THE CITY OF GRASS VALLEY THE 27TH DAY OF APRIL 2021."	
ASSISTANT CITY ENGINEER	75378 R.C.E.	4/27/21 DATE

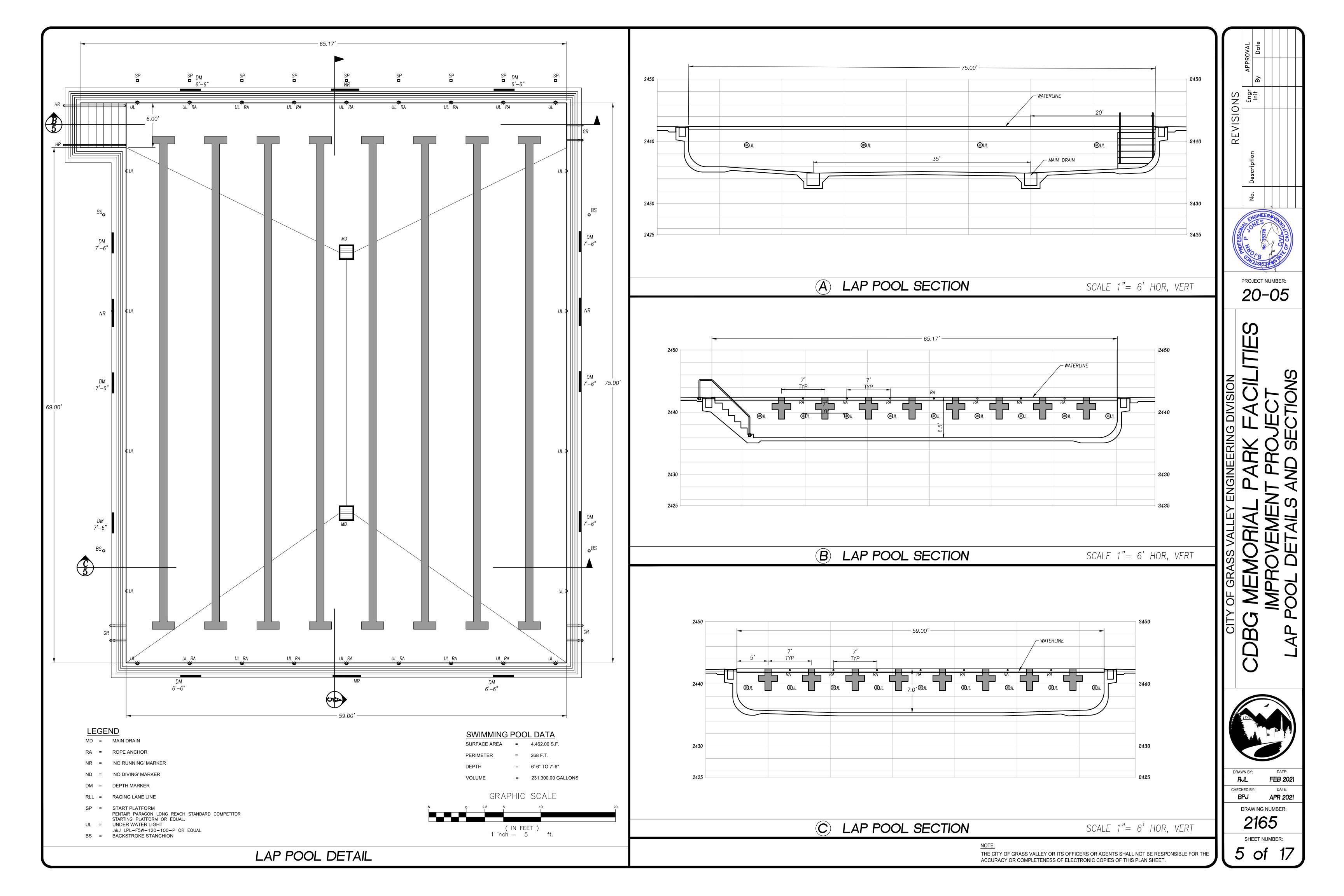
NOTE: THE CITY OF GRASS VALLEY OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

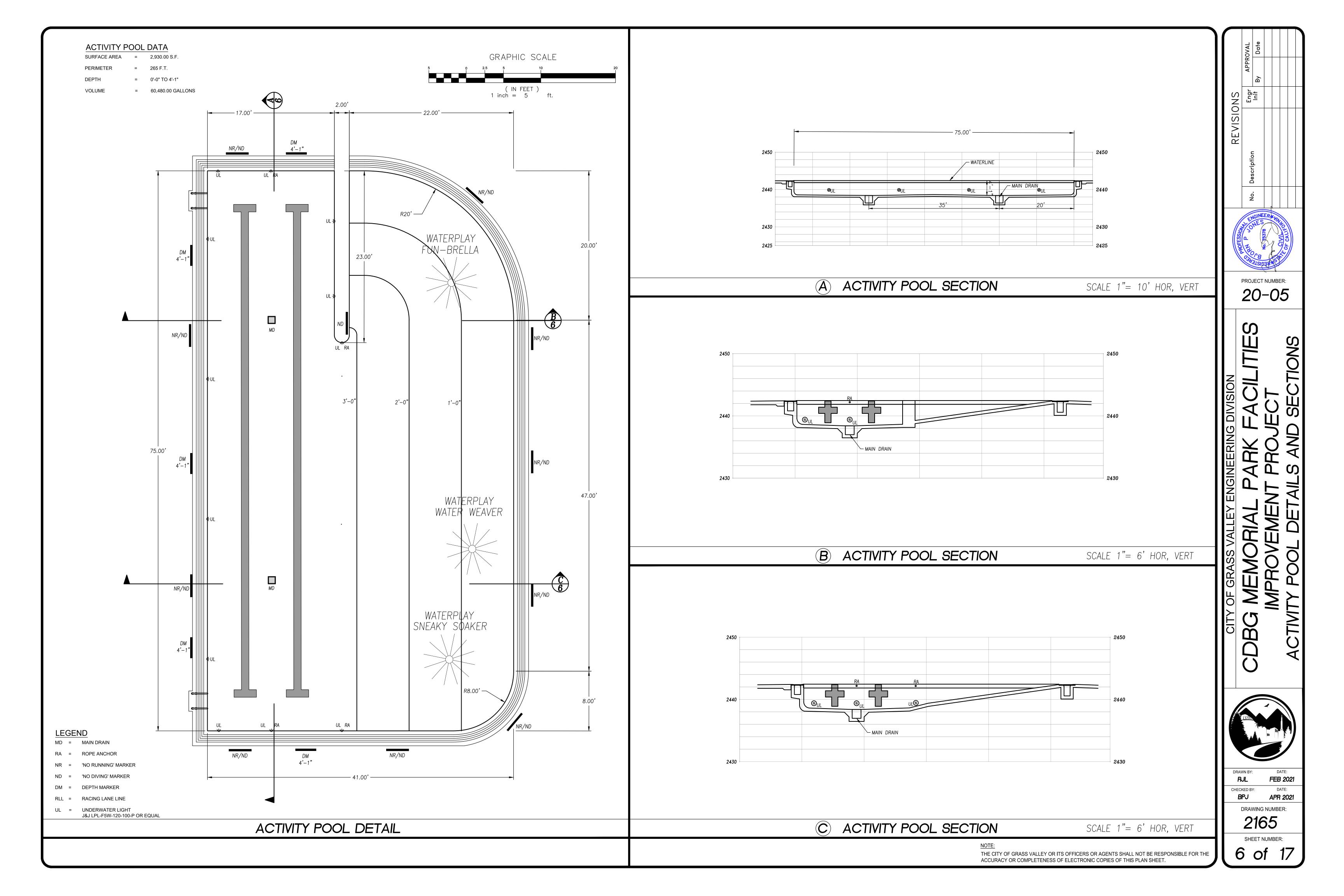
REVISIONS	No. Description Init By Date		
adression	LINGINEER HUILdouille		
	PROJECT NUMBER: 20–05		
CITY OF GRASS VALLEY ENGINEERING DIVISION	CDBG MEMORIAL PARK FACILITIES IMPROVEMENT PROJECT TITLE SHEET		
	MN BY: DATE: EH JAN 2021		
B	CHECKED BY: DATE: BPJ APR 2021 DRAWING NUMBER: 2165		
SHEET NUMBER: 1 of 17			

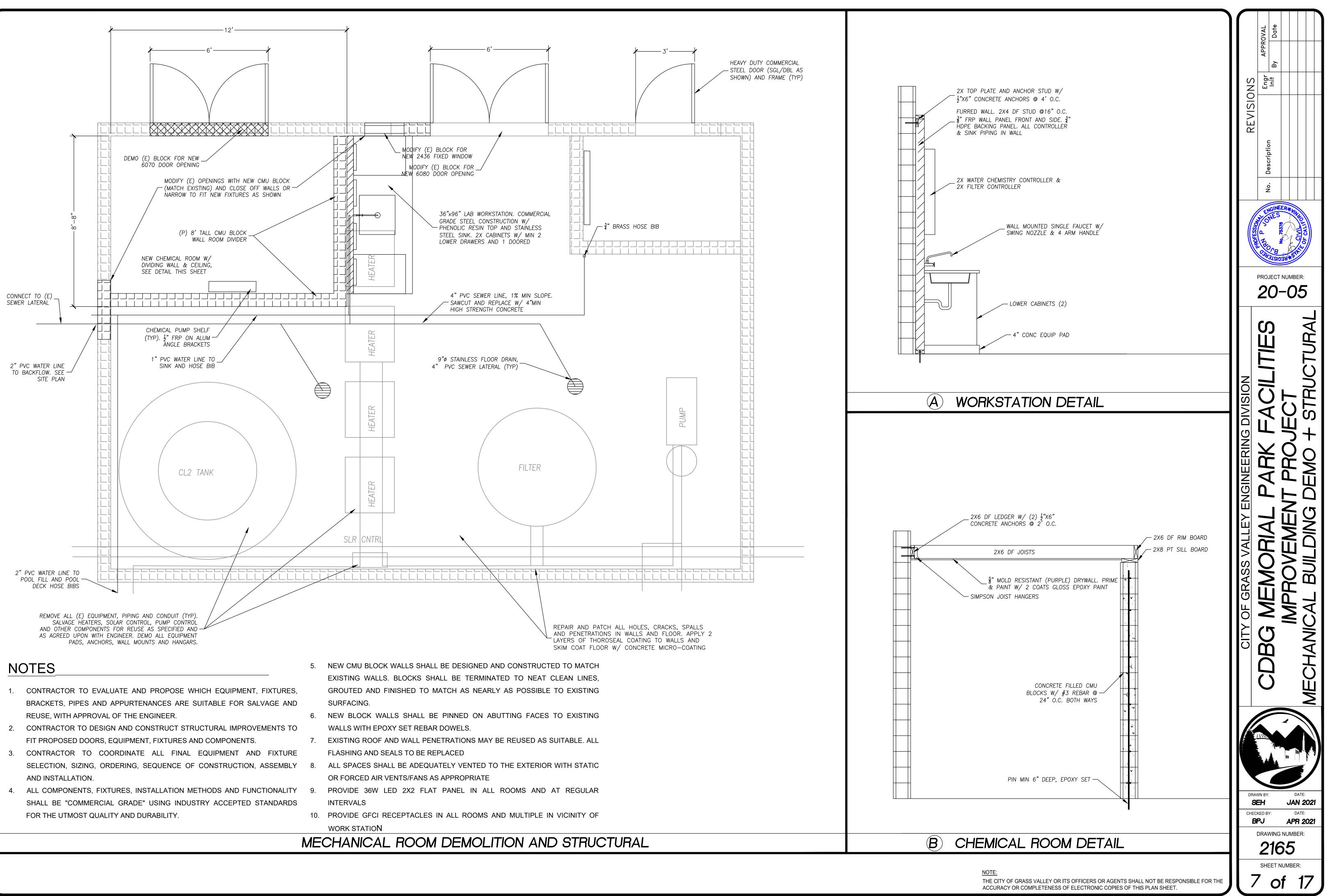


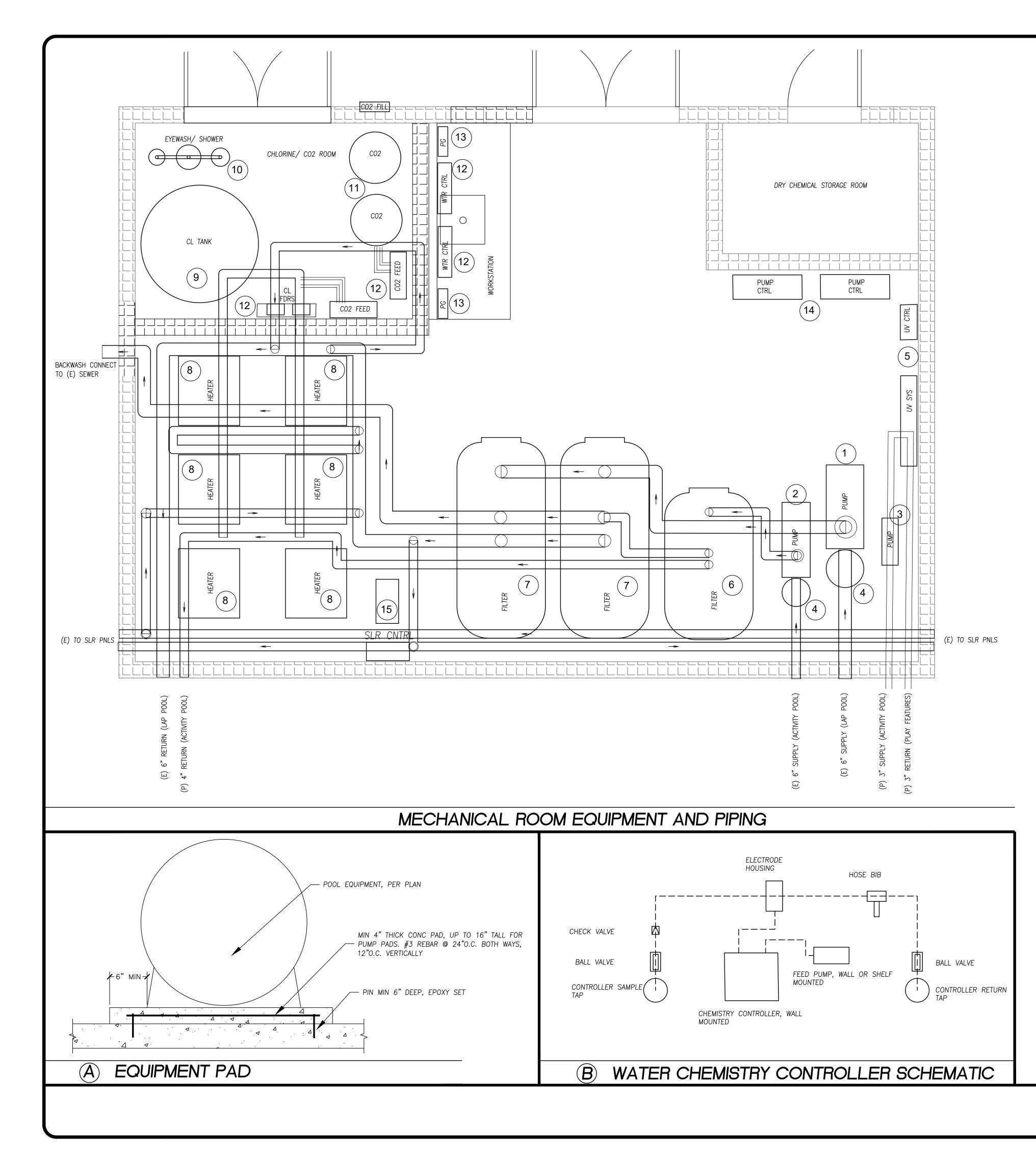












NOTES

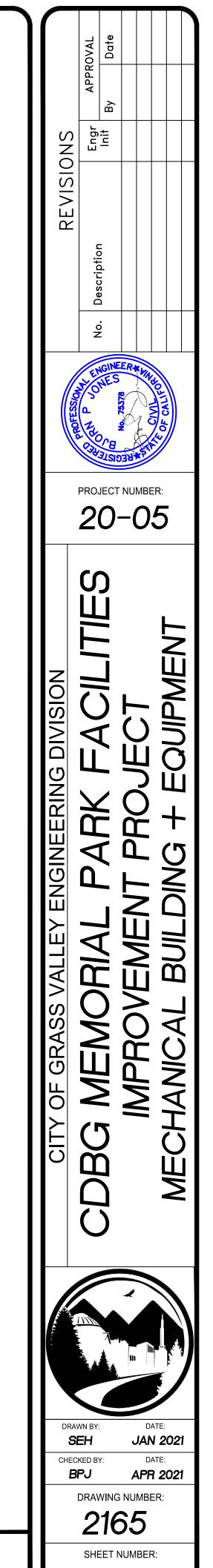
- INSTALLATION METHODS
- AS APPROPRIATE
- 3. ALL EQUIPMENT TO BE SECURELY ANCHORED WITH EXPANSION OR WEDGE ANCHORS INTO CONCRETE ABLE TO WITHSTAND 3000LBS TENSION LOAD
- 4. ALL PIPING, CONDUIT, COMPONENTS, FIXTURES AND ACCESSORIES SHALL BE SECURELY MOUNTED TO UNISTRUT METAL FRAMING SYSTEM OR AS APPROVED. PIPING TO BE SUPPORTED AT REGULAR INTERVALS WITH PIPE HANGERS OR FLOOR MOUNTS
- 5. THE PIPING SYSTEM SHALL BE LABELED AT REGULAR INTERVALS WITH THE DIRECTION OF FLOW. A FLOW DIAGRAM AND OPERATING SCHEMATICS OF THE SYSTEM SHALL BE PROVIDED AND AVAILABLE ON SITE
- 6. NOT SHOWN BUT TO BE PROVIDED ARE ALL REQUIRED BALL VALVES, BUTTERFLY VALVES AND CHECK VALVES NECESSARY TO CONTROL FLOW AND ISOLATE EQUIPMENT DURING REGULAR, UNEXPECTED AND MAINTENANCE OPERATIONS
- 6. NOT SHOWN BUT TO BE PROVIDED ARE ALL REQUIRED FLOW METERS AND PRESSURE GAGES NECESSARY TO MONITOR OPERATIONS AND PROVIDE FEEDBACK TO CONTROL EQUIPMENT AND OPERATOR
- 7. GAS PRESSURE REGULATOR SHALL BE INSTALLED AS REQUIRED
- 8. HAZARDOUS INFORMATION MATERIAL PLACARDS SHALL BE PROVIDED AS REQUIRED
- 9. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING ELECTRICAL LOAD REQUIREMENTS OF ALL EQUIPMENT AND PERFORMING LOAD CALCULATION NECESSARY FOR PROPER GROUPING/SEPARATING OF DEVICES INTO BALANCED ELECTRICAL CIRCUITS
- 10. AN ELECTRICAL PANEL SCHEDULE SHALL BE PROVIDED FOR APPROVAL PRIOR TO CONSTRUCTION 11. AN ELECTRICAL WIRING/INTERCONNECTION DIAGRAM SHALL BE DEVELOPED BY THE CONTRACTOR AND PROVIDED FOR APPROVAL PRIOR TO CONSTRUCTION. A COMPLETE AS-BUILT WIRING DIAGRAM SHALL BE PROVIDED UPON COMPLETION

EQUIPMENT LIST

- LAP POOL PUMP. PENTAIR AURORA 3801 4X5X9.5 1800 RPM, OR EQUAL ACTIVITY POOL PUMP. PENTAIR AURORA 3801 2.5X3X9.5 1800 RPM, OR EQUAL
- PLAY FEATURE BOOSTER PUMP. PENTAIR WHISPERFLO WFE-3, OR EQUAL
- LAP & ACTIVITY POOL STRAINERS. PENTAIR PS SERIES, PS6X5E & PS4X3E, OR EQUAL
- ULTRA VIOLET DISINFECTION SYSTEM. PENTAIR BIOSHIELD UV SYSTEM OR EQUAL
- ACTIVITY POOL FILTER. PENTAIR STARK SS1-72-06 OR EQUAL
- LAP POOL FILTER. PENTAIR STARK SS2-96-06 OR EQUAL
- HEATER. PENTAIR ETi 400 (SALVAGE 4 EXISTING HEATERS)
- (9)CHLORINE TANK. 500 GALLON POLYETHYLENE, DUAL WALL/CONTAINMENT, ANCHORED
- (10)COMBINATION EYE WASH/ SHOWER STATION. HAWS #8309WC OR EQUAL
- (11)CO2 TANKS. 600LB CRYOGENIC LIQUID STORAGE TANK W/ REMOTE FILL PORT
- (12) CHEMICAL CONTROLLERS/FEED PUMPS. PENTAIR INTELLICHEM 522578 OR EQUAL
- (13) FILTER GAGES/BACKWASH CONTROL. PENTAIR CS400 OR EQUAL
- (14) VFD PUMP CONTROLLERS. H20 TECHNOLOGIES SPCS FD (SALVAGE 1 EXISTING)
- (15) SOLAR WATER HEATER CONTROLLER AND BOOSTER PUMP, SALVAGE OR MATCH (E)

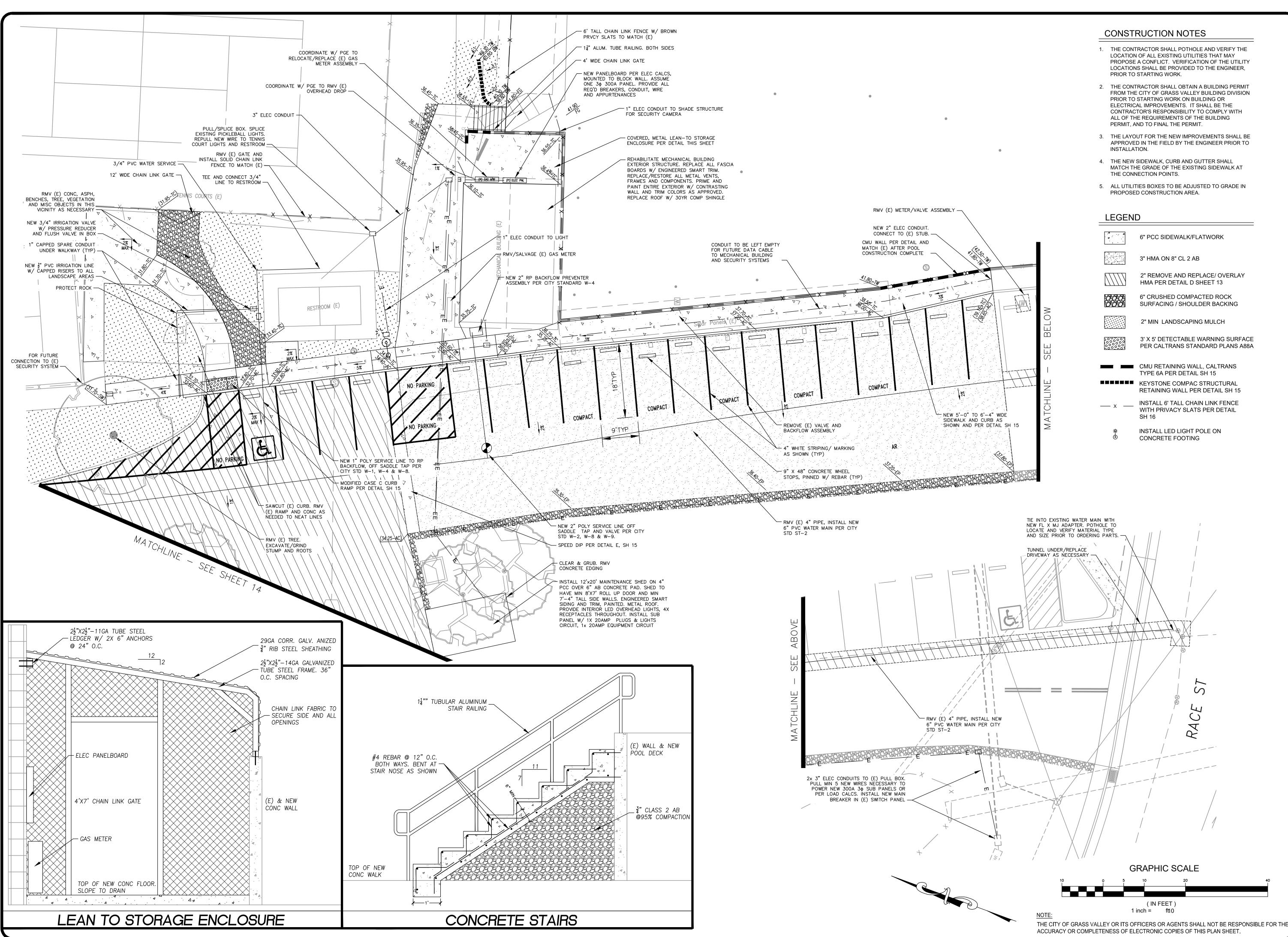
1. MECHANICAL LAYOUT AND PLANS ARE TO BE INTERPRETED TO A DEGREE AS SCHEMATIC IN NATURE AND NOT READY FOR CONSTRUCTION. IT IS EXPECTED THAT THE CONTRACTOR EMPLOYS THE SERVICES OF A PROFESSIONAL POOL DESIGNER TO CALCULATE, CONFIRM, PROPOSE AND OTHERWISE FULLY SPECIFY THE EQUIPMENT LAYOUT, FUNCTIONALITY, INTERCONNECTION AND

2. ALL EQUIPMENT TO BE ELEVATED ON CONCRETE EQUIPMENT PADS PER DETAIL OR WALL MOUNTED



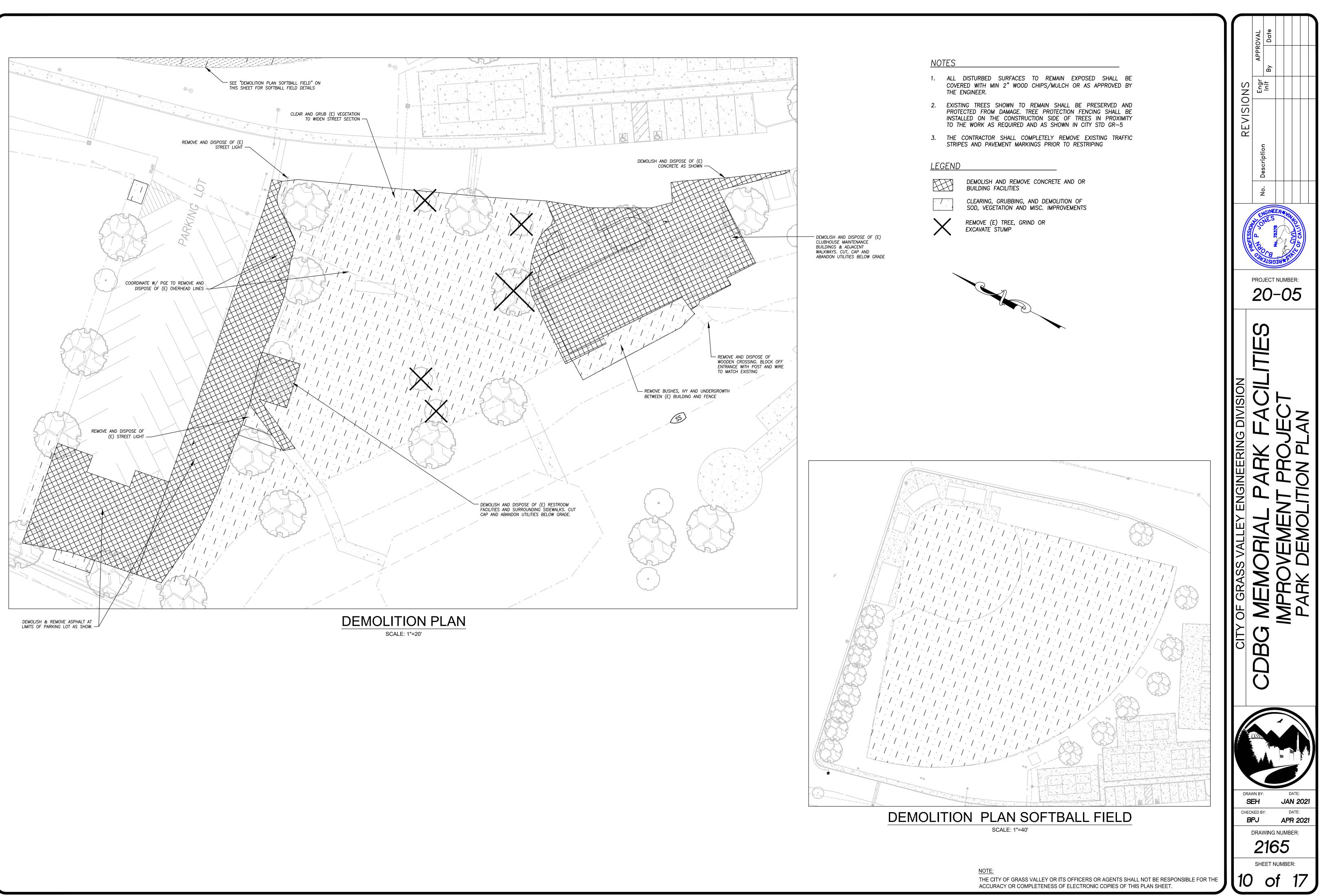
8 of

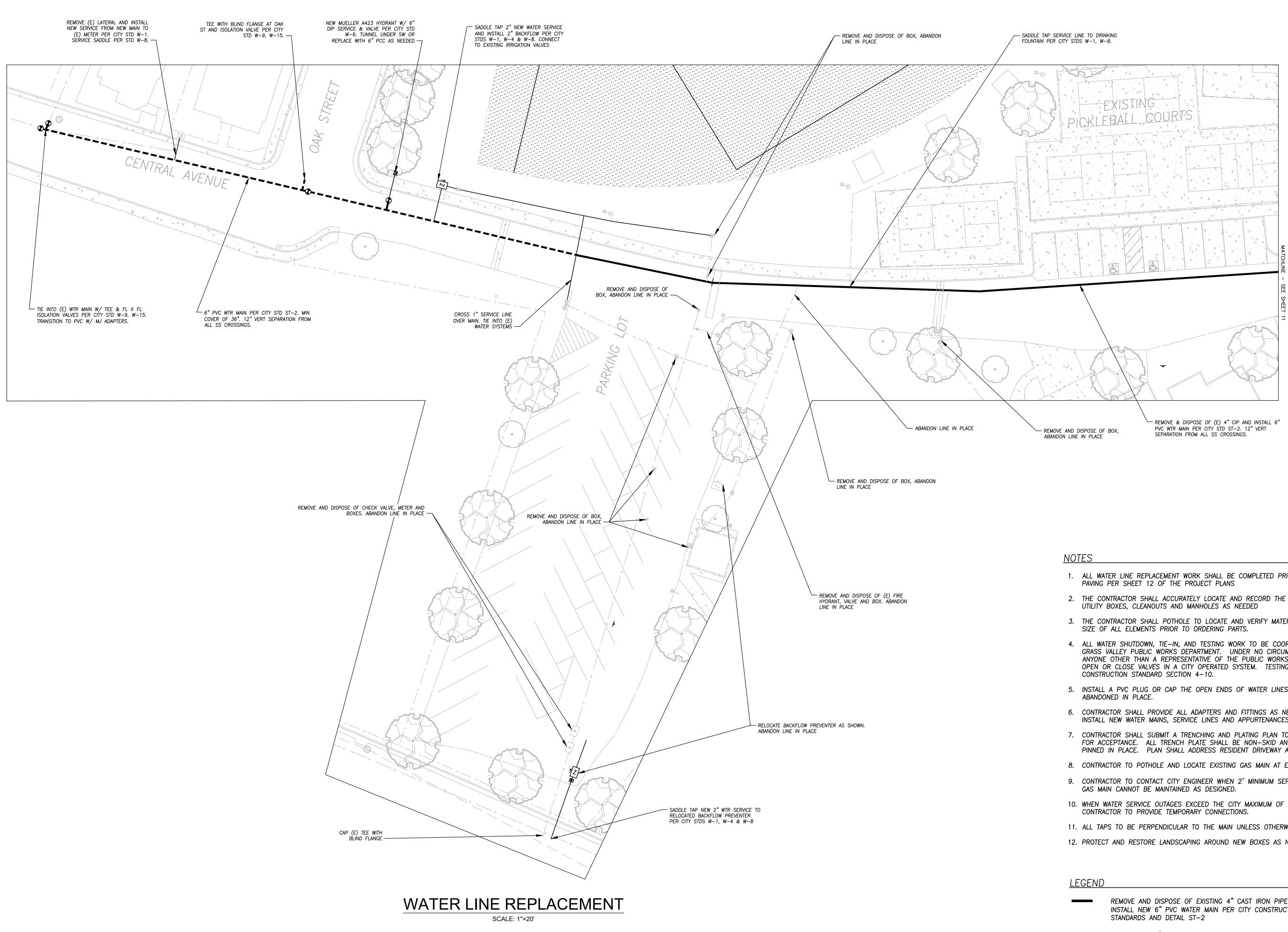
NOTE: THE CITY OF GRASS VALLEY OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.



	6" PCC SIDEWALK/FLATWORK
	3" HMA ON 8" CL 2 AB
	2" REMOVE AND REPLACE/ OVERLAY HMA PER DETAIL D SHEET 13
	6" CRUSHED COMPACTED ROCK SURFACING / SHOULDER BACKING
	2" MIN LANDSCAPING MULCH
	3' X 5' DETECTABLE WARNING SURFA PER CALTRANS STANDARD PLANS A8
	CMU RETAINING WALL, CALTRANS TYPE 6A PER DETAIL SH 15
	KEYSTONE COMPAC STRUCTURAL RETAINING WALL PER DETAIL SH 15
— x —	INSTALL 6' TALL CHAIN LINK FENCE WITH PRIVACY SLATS PER DETAIL SH 16
₩ ©	INSTALL LED LIGHT POLE ON CONCRETE FOOTING







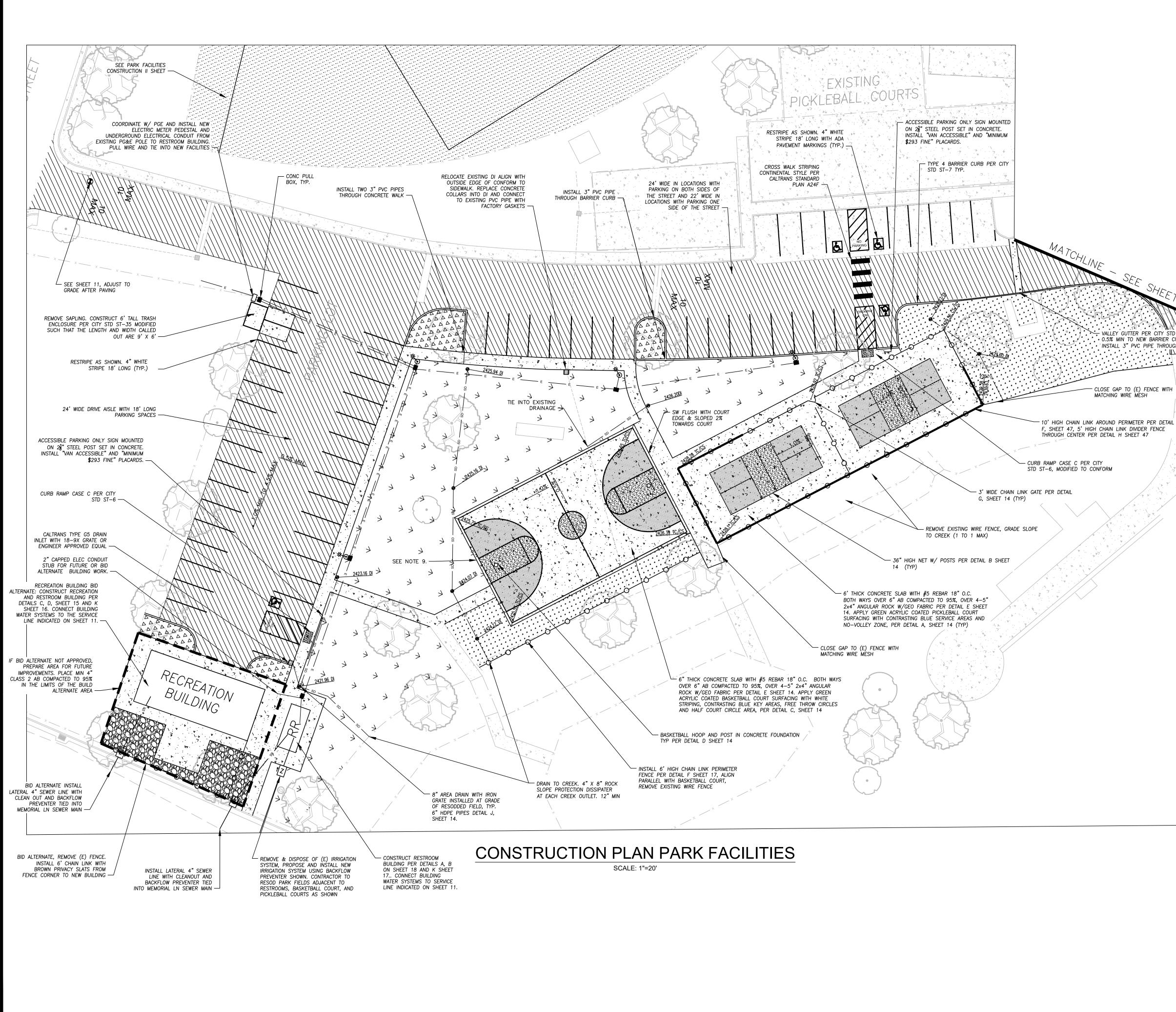
- 1. ALL WATER LINE REPLACEMENT WORK SHALL BE COMPLETED PRIOR TO ASPHALT
- 2. THE CONTRACTOR SHALL ACCURATELY LOCATE AND RECORD THE LOCATIONS OF ALL
- 3. THE CONTRACTOR SHALL POTHOLE TO LOCATE AND VERIFY MATERIAL TYPE AND
- 4. ALL WATER SHUTDOWN, TIE-IN, AND TESTING WORK TO BE COORDINATED WITH GRASS VALLEY PUBLIC WORKS DEPARTMENT. UNDER NO CIRCUMSTANCES SHALL ANYONE OTHER THAN A REPRESENTATIVE OF THE PUBLIC WORKS DEPARTMENT OPEN OR CLOSE VALVES IN A CITY OPERATED SYSTEM. TESTING PROCEDURES PER
- 5. INSTALL A PVC PLUG OR CAP THE OPEN ENDS OF WATER LINES TO BE
- 6. CONTRACTOR SHALL PROVIDE ALL ADAPTERS AND FITTINGS AS NECESSARY TO INSTALL NEW WATER MAINS, SERVICE LINES AND APPURTENANCES.
- 7. CONTRACTOR SHALL SUBMIT A TRENCHING AND PLATING PLAN TO THE ENGINEER FOR ACCEPTANCE. ALL TRENCH PLATE SHALL BE NON-SKID AND SHALL BE PINNED IN PLACE. PLAN SHALL ADDRESS RESIDENT DRIVEWAY ACCESS.
- 8. CONTRACTOR TO POTHOLE AND LOCATE EXISTING GAS MAIN AT EACH CROSSING.
- 9. CONTRACTOR TO CONTACT CITY ENGINEER WHEN 2' MINIMUM SEPARATION FROM
- 10. WHEN WATER SERVICE OUTAGES EXCEED THE CITY MAXIMUM OF 6 HOURS,
- 11. ALL TAPS TO BE PERPENDICULAR TO THE MAIN UNLESS OTHERWISE APPROVED.
- 12. PROTECT AND RESTORE LANDSCAPING AROUND NEW BOXES AS NEEDED.

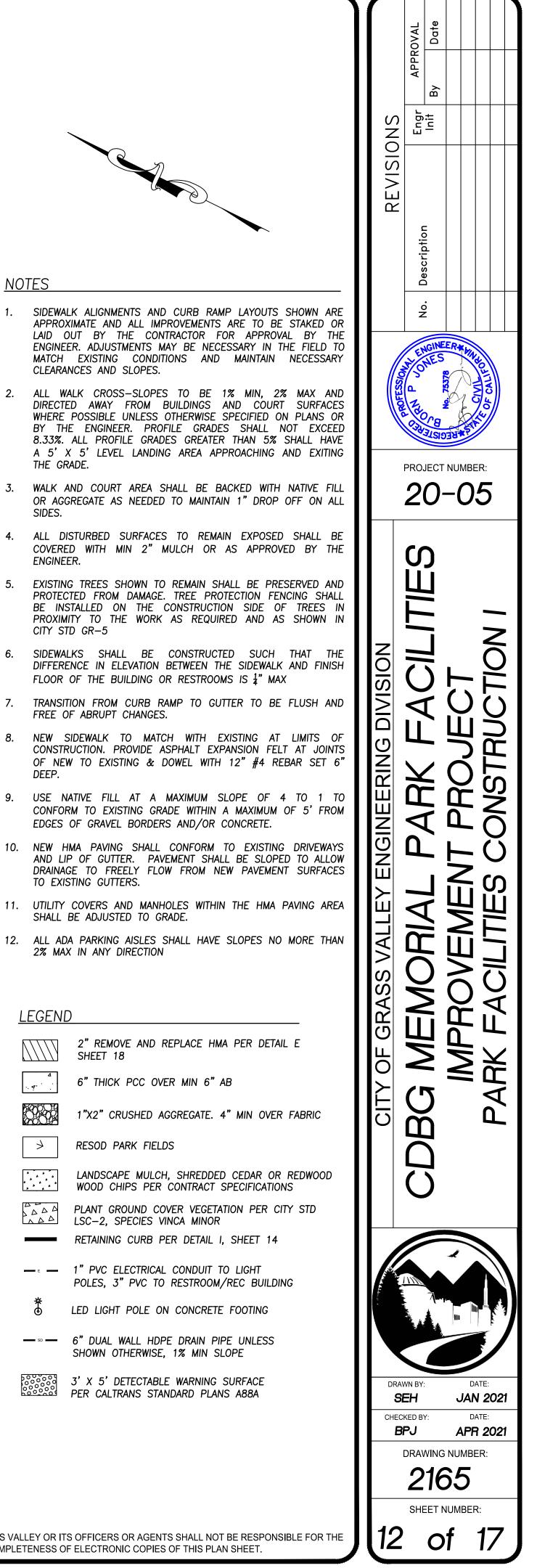
- REMOVE AND DISPOSE OF EXISTING 4" CAST IRON PIPE AND INSTALL NEW 6" PVC WATER MAIN PER CITY CONSTRUCTION
- ■ INSTALL NEW 6" PVC WATER MAIN PER CITY CONSTRUCTION STANDARDS AND DETAIL ST–2

NOTE:

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REVISIONS	No. Description Init By Date Carton Marken Samon No. Description Description Date Date Date	_
CITY OF GRASS VALLEY ENGINEERING DIVISION	CDBG MEMORIAL PARK FACILITIES IMPROVEMENT PROJECT PARK WATERLINE REPLACEMENT	
CHECI BI	WN BY: DATE: H JAN 2021 KED BY: DATE: PJ APR 2021 DRAWING NUMBER: 2165	
	SHEET NUMBER:	





VALLEY GUTTER PER CITY STD ST-7, SLOPE 0.5% MIN TO NEW BARRIER CURB AND INSTALL 3" PVC PIPE THROUGH CURB بىبىبىلىلا - CLOSE GAP TO (E) FENCE WITH

SHEET 18

·. 4^{- .}

LEGEND

NOTES

CLEARANCES AND SLOPES.

THE GRADE.

SIDES.

ENGINEER.

DEEP.

9

CITY STD GR-5

FREE OF ABRUPT CHANGES.

TO EXISTING GUTTERS.

2% MAX IN ANY DIRECTION

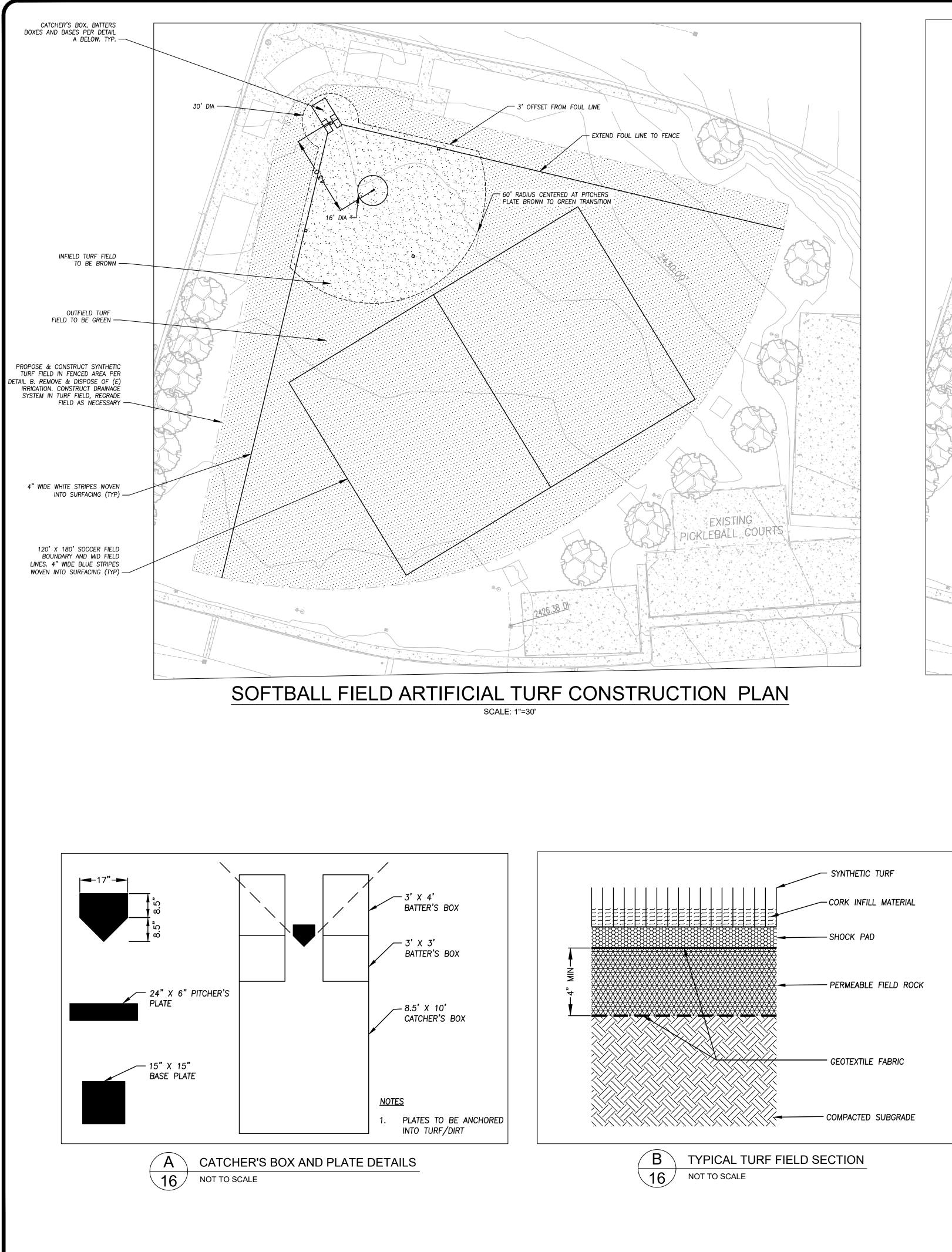
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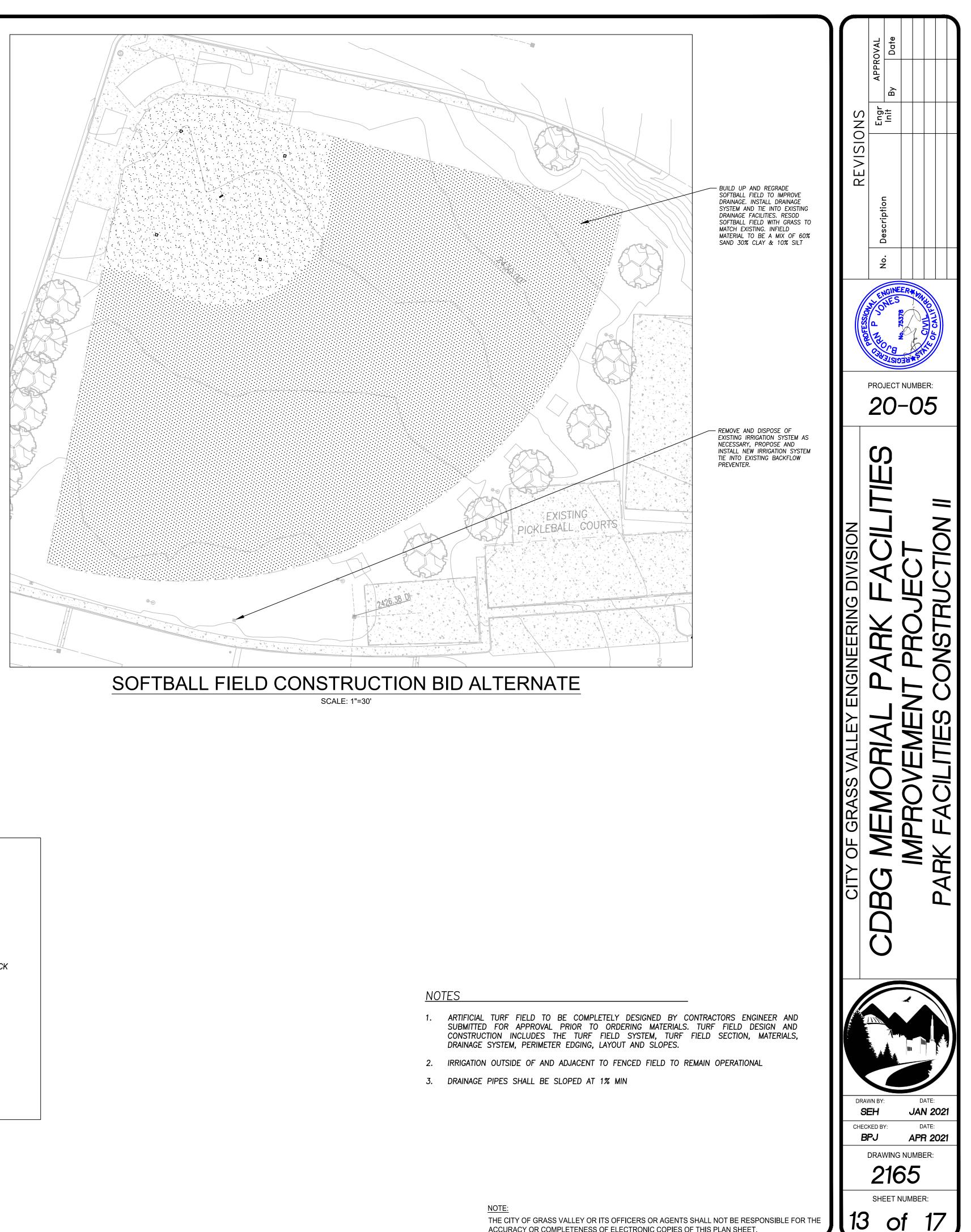
K

5000 LSC-2, SPECIES VINCA MINOR $\land \land \land \land$

- RETAINING CURB PER DETAIL I, SHEET 14
- I" PVC ELECTRICAL CONDUIT TO LIGHT POLES, 3" PVC TO RESTROOM/REC BUILDING
- LED LIGHT POLE ON CONCRETE FOOTING
- • 6" DUAL WALL HDPE DRAIN PIPE UNLESS SHOWN OTHERWISE, 1% MIN SLOPE
- 3' X 5' DETECTABLE WARNING SURFACE PER CALTRANS STANDARD PLANS A88A

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