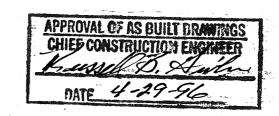
## RECREATIONAL FIELD RENOVATION FOR KENNEDY MIDDLE SCHOOL

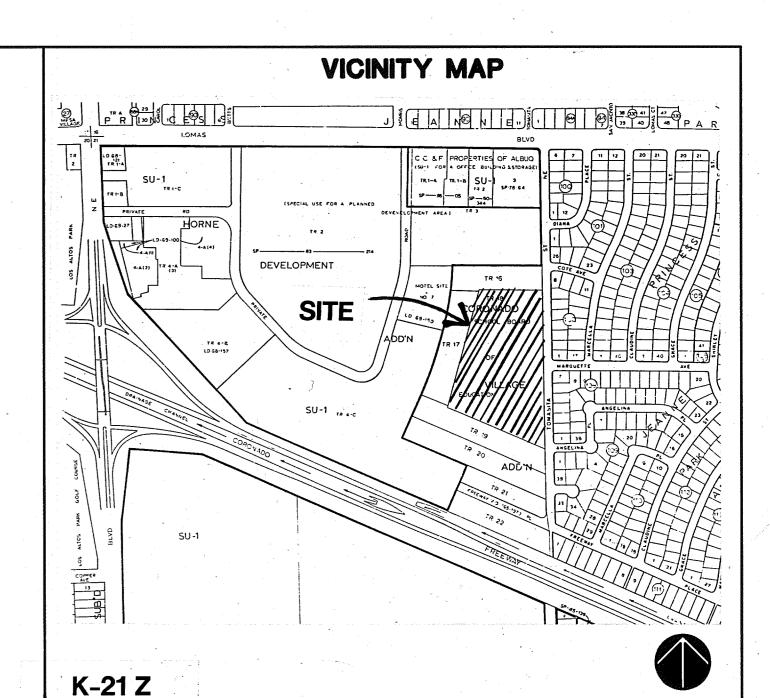
721 TOMASITA N.E. ALBUQUERQUE, NEW MEXICO

CLASS II CONSTRUCTION

SHEET TITLE	SHEET NUMBER
COVER SHEET	1
SURVEY/DEMOLITION PLAN	2
GRADING PLAN	3
DIMENSION PLAN	4
PLANTING PLAN AND CONSTRUCTION PLAN	5
IRRIGATION PLAN	6
CONSULTANTS	
LEADSHILL HERKENHOFF	CIVIL ENGINEERING

INDEX OF DRAWINGS





## GENERAL NOTES

- 1. ALL WORK ON THESE PLANS TO BE PERFORMED UNDER CONTRACT, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREIN, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS PUBLIC WORKS CONSTRUCTION 1986 EDITION, AS AMENDED THROUGH UPDATE #5.
- 2. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CASYSTEM, 260-1990, FOR LOCATION INFORMATION OF EXISTING UTILITIES.
- 3. IF ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS THEY ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. IF ANY SUCH EXISTING LINES ARE SHOWN, THE LOCATION IS BASED ON INFORMATION PROVIDED BY THE OWNER OF SAID UTILITY, AND THE INFORMATION MAY BE INCOMPLETE, OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES. THE LANDSCAPE ARCHITECT HAS CONDUCTED ONLY PRELIMINARY INVESTIGATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UTILITY LINES, PIPELINES OR UNDERGROUND UTILITY LINES. THIS INVESTIGATION IS NOT CONCLUSIVE, AND MAY NOT BE COMPLETE, THEREFORE, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY. THEREFORE THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURI EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES, AND UNDERGROUND LINE. IN PLANNIA AND CONDUCTING EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES RULES AND REGULATIONS IF ANY PERTAINING TO THE LOCATION OF THESE UTILITY LINES AND FACILITY.
- . SHOULD A CONFLICT EXIST BETWEEN THESE PLANS AND THE ACTUAL FIELD CONDITIONS, THE CONTRACTOR SHALL PROMPTLY NOTIFY THE LANDSCAPE ARCHITECT IN WRITING SO THAT THE CONFLICT CAN BE RESOLVED WITH THE MINIMUM AMOUNT OF DELAY FOR ALL PARTIES.
- 5. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ADJACENT PROPERTIES DURING CONSTRUCTIO
- 6. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH THE APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING SAFETY AND HEALTH.
- 7. ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- 8. BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- 9. TACK COAT REQUIREMENTS SHALL BE DETERMINED DURING CONSTRUCTION BY THE LANDSCAPE ARCHITECT.
- 10. SIDEWALK AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- 11. JF CURB IS DEPRESSED FOR DRIVEPAD OR HANDICAP RAMP, THE DRIVEPAD OR RAMP SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF THE CURB AND GUTTER.
- 12. ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.
- 13. CONTRACTOR SHALL COORDINATE WITH THE WATER SYSTEM DIVISION FOR THE EXECUTION OF THE VALVE SHUT OFF PLAN, NOT LESS THAN FIVE (5) WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT THE EXISTING PUBLIC WATER UTILITIES. ONLY WATER SYSTEM PERSONNEL SHALL OPERATE EXISTING VALVES, REFER TO SECTION 18 OF THE SPECIFICATIONS.
- 14. CONTRACTOR SHALL NOTIFY CITY SURVEYING NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT CITY SURVEYING MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT AND PERMISSION OF CITY SURVEYING. REPLACEMENT SHALL BE DONE ONLY BY CITY SURVEYING. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATION OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT ITS OWN EXPENSE, ADJUST THE MONUMENT AND ITS COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE SPECIFICATIONS.
- 15. THREE (3) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION COORDINATION DIVISION, A DETAILED CONSTRUCTION SCHEDULE TWO (2) DAYS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL OBTAIN A BARRICADE PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768–2551) PRIOR TO OCCUPYING AN INTERSECTION. CONTRACTOR MUST REFER TO SECTION 19 OF THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL.
- 16. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED IN KIND BY CONTRACTOR TO LOCATION AND IN KIND AS EXISTING OR AS INDICATED BY THIS PLAN SET.
- 17. CAUTION, THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL REMAIN THE RESPONSIBILITY OF THE CONTRACTOR.

## 1 8 9 6 8 7 8 9 8 18 13 14 15 26-4894.91 0196

MORROW & COMPANY, LTD.

LANDSCAPE ARCHITECTS

210 La Veta N.E.

Albuquerque, N.M. 87108
PH: 505 268-2266 FAX: 505 265-9637

AS BUILT INFORMATION

CONTRACTOR

WORK
STAKED BY

DATE

CITY OF ALBUQUEROUE

APPROVED OF CONSTRUCTION

AS BUILT INFORMATION

CONTRACTOR

WORK
STAKED BY
INSPECTOR'S
ACCEPTANCE BY
FIELD
VERIFIED BY
DRAWINGS
CORRECTED BY
DRAWINGS
CORRECTED BY
MICRO-FILM INFORMATION
RECORDED BY
NO.

CITY OF ALBUQUEROUE

CONSTRUCTION

APPROVED OF
CONSTRUCTION

CONSTRUCTION

APPROVED OF
CONSTRUCTION

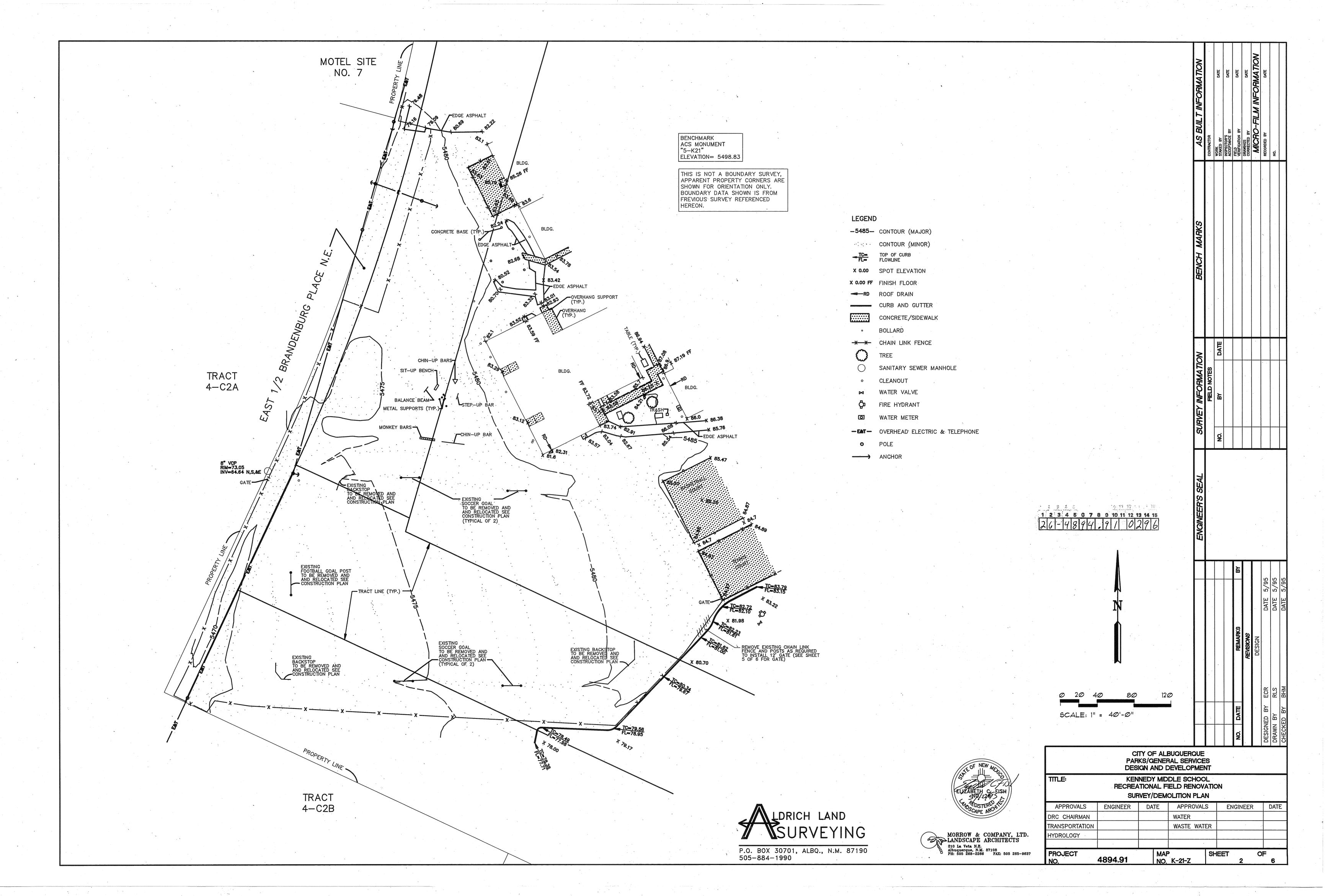
APPROVED OF
CONSTRUCTION

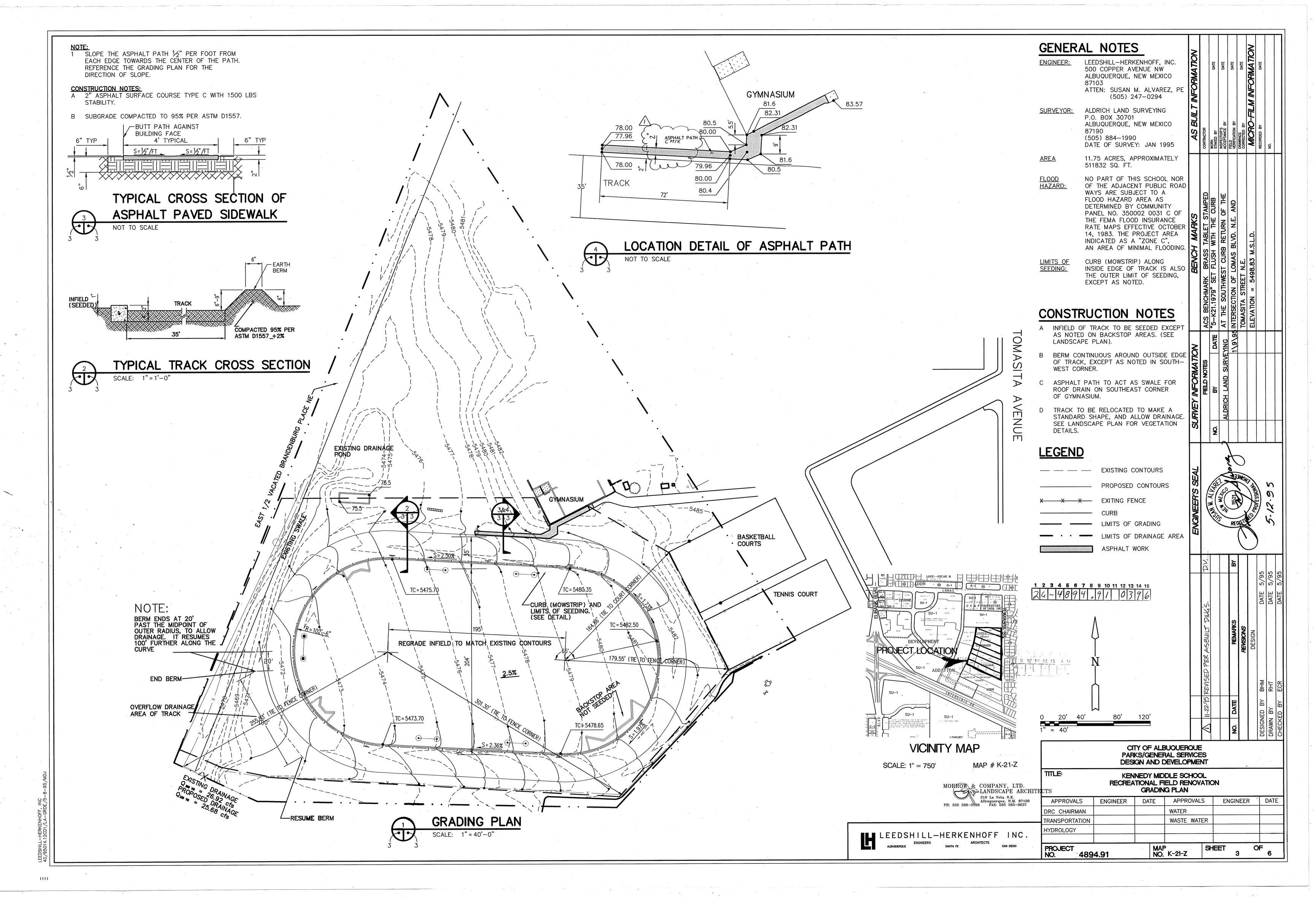
STRUCTION

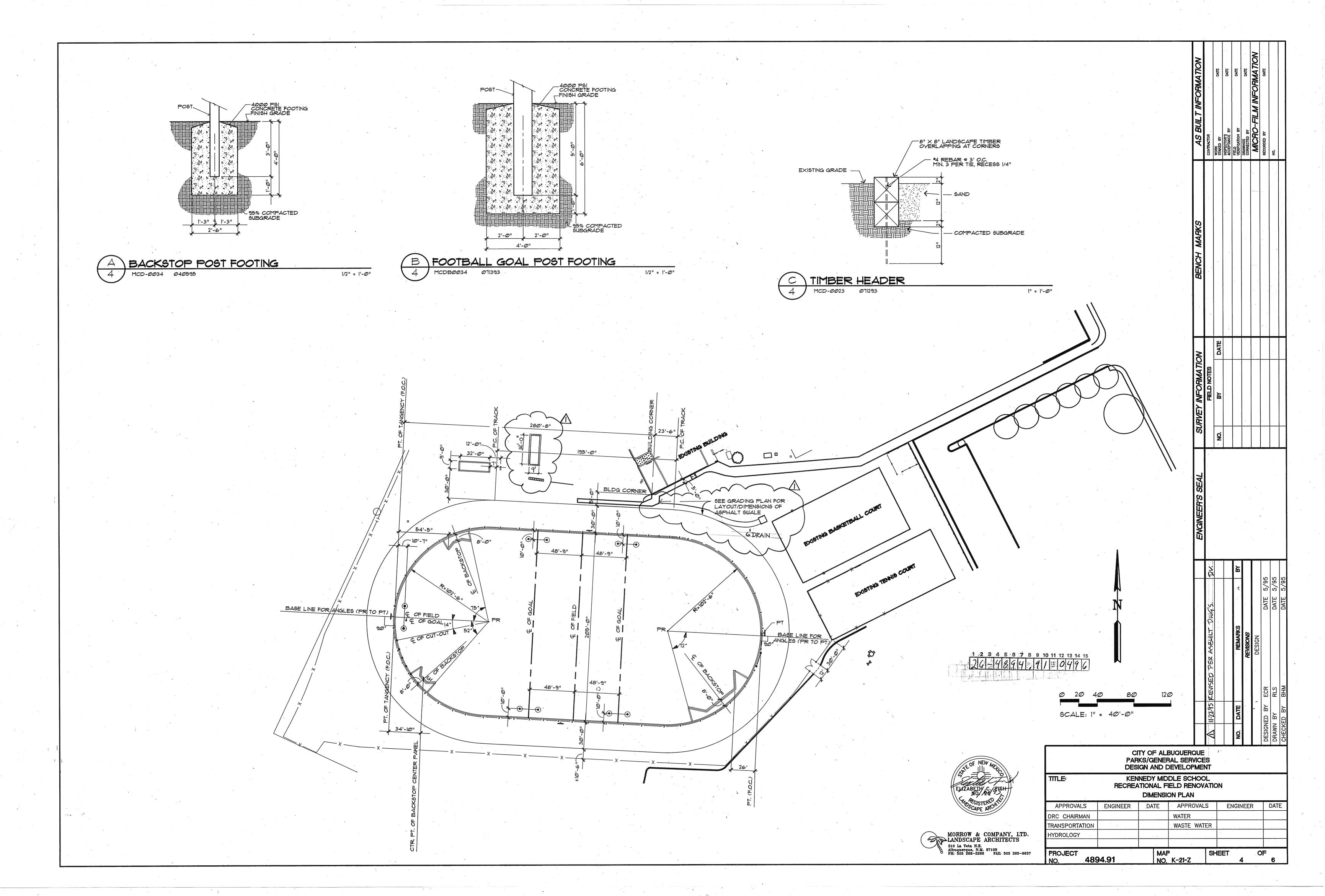
APPROVED OF
CONSTRUCTION

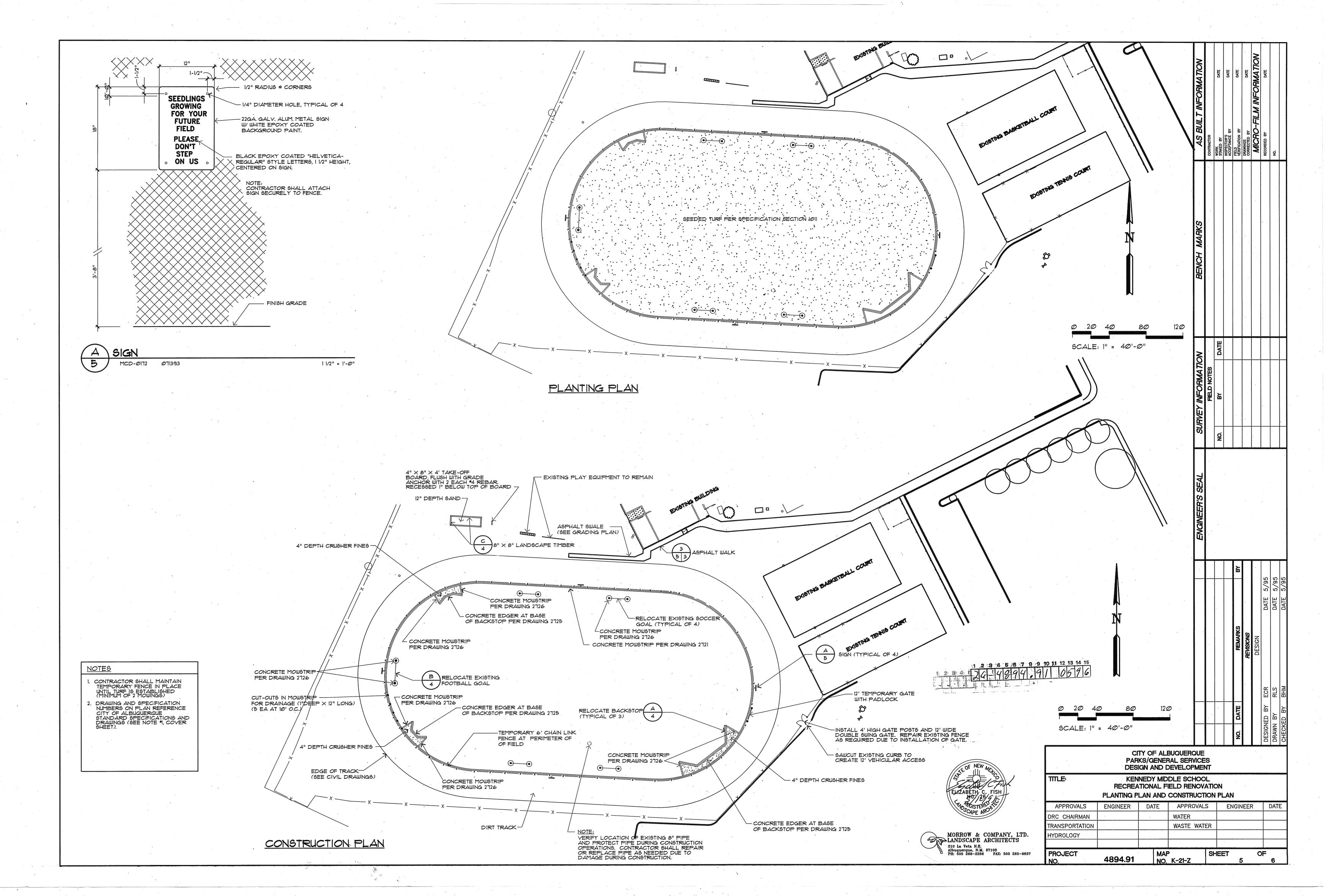
APPROVED OF
CONSTRUCTION

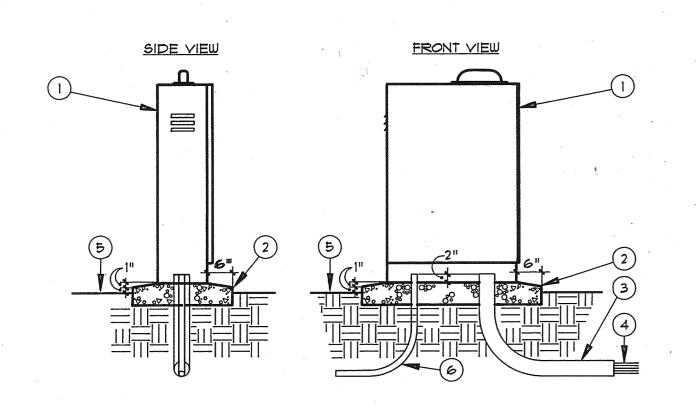
SHEET 1 OF 6











IRRIGATION CONTROLLER AND PEDESTAL

(1) IRRIGATION CONTROLLER WITH PEDESTAL, SEE IRRIGATION LEGEND.

MCD-0165

- (2) 4000 PSI CONCRETE BASE. 8" MINIMUM THICKNESS. ALL EDGES SHALL BE TOOLED WITH 1/2" RADIUS
- (3) 4" RIGID PYC LONG SWEEP ELL EXTEND 12" BEYOND ADJACENT WALKS
- INSTALL TO MANUFACTURE STANDARDS (4) 24-VOLT WIRES FROM CONTROLLER TO AUTOMATIC VALVES, SEE SPECIFICATIONS (5) FINISH GRADE. (6) 120-VOLT SERVICE IN CONDUIT, PER N.E.C.
- LANDSCAPE ARCHITECT AS TO WHAT DESIGN MODIFICATIONS MAY NEED TO BE RESOLVED BEFORE ACTUAL CONSTRUCTION BEGINS. 13. AT BERMAD FLOW METER MASTERVALVE WITH PRESSURE VACUUM BREAKER, CONNECT TWO (2) BLUE WIRES BETWEEN THE FLOW SENSOR IMPULSE WIRE AND

2" CLASS 200 PVC.

SLEEVES.

WIRE AND RED WIRE.

14. TWENTY-FOUR HOURS PRIOR TO COMMENCING CONSTRUCTION, CONTRACTOR SHALL CONTACT JOYCE HUDSON AT A.P.S. CONTROL CENTER, 765-5950 - EXT. 260 FOR LOCATION OF EXISTING UTILITIES. CONTRACTOR SHALL IDENTIFY A CONTACT PERSON FROM THE CONTRACTOR'S CREW THAT WILL BE MET ON SITE.

THE CONTROLLER. ACTUATORS FOR THE BERMAD FLOWMETER SHALL BE WHITE

IRRIGATION NOTES ALL VALVE BOXES SHALL BE INSTALLED AT A MINIMUM OF 12" FROM TURF EDGES. MARK ALL 24-YOLT WIRE ENDS WITH 3M STD-09 WIRE MARKER TAPE AT THE VALVE BOX AND 3. ALL 24-VOLT WIRE SHALL BE MARKED WITH A 4" WIDE YELLOW MARKER TAPE AND MARKED "WARNING-ELECTRICAL". LAY MARKER TAPE HORIZONTALLY 6" ABOVE WIRE. 4. 24-VOLT WIRE SHALL BE IN COMMON TRENCH WITH MAIN LINE AND SHALL HAVE SEPARATE SLEEVE WHERE CROSSING ALL HARD CONSTRUCTION. ALL SLEEVE PIPING FOR 24-VOLT WIRE SHALL BE 5. WHERE PROPOSED PIPING CROSSES EXISTING ASPHALT AND/OR CONCRETE, THE CONTRACTOR SHALL SAW-CUT, REMOVE AND PROPERLY DISPOSE OF WASTE, EXCAYATE, INSTALL SLEEVE PIPING, MAINS AND LATERALS, BACKFILL AND COMPACT TO 95%. CONTRACTOR SHALL REPLACE ASPHALT AND/OR CONCRETE TO MATCH EXISTING. THE CONTRACTOR SHALL ADJUST ALL VALVES, BUBBLERS, AND SPRINKLERS FOR OPTIMUM COVERAGE, AND SHALL PROVIDE AND INSTALL NOZZLES OTHER THAN THOSE SPECIFIED AS INSTRUCTED BY THE LANDSCAPE ARCHITECT AT NO ADDITIONAL COST TO THE OWNER. CONTRACTOR SHALL TAPE CLOSED ALL SLEEVE PIPE OPENINGS USING DUCT TAPE TO PREVENT DEBRIS FROM ENTERING SLEEVES. 8. CONTRACTOR SHALL EXTEND 120-YOLT A.C. FROM EXISTING POWER TO PROPOSED CONTROLLER LOCATION. ALL ELECTRICAL WORK SHALL BE PER LOCAL CODES AND NE.C. STANDARDS. 9. ALL EXISTING WATER MAIN LINE LOCATIONS ARE SCHEMATIC. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO POT HOLE AND FIELD CHECK TO DETERMINE ACTUAL LOCATIONS AS AN INCIDENTAL REQUISITE TO THE CONSTRUCTION CONTRACT. IO. THE PROPOSED CONTROLLER LOCATION INDICATED ON THE PLANS IS APPROXIMATE. ACTUAL LOCATION OF THE CONTROLLER SHALL BE DETERMINED BY OWNER'S REPRESENTATIVE IN THE LOCATIONS OF ALL SLEEVE PIPING SHALL BE VERIFIED BY THE CONTRACTOR EXCAVATION, POT-HOLING, ASSOCIATED WORK, MATERIALS, LABOR, ETC., SHALL BE THE RESPONSIBILITY OF CONTRACTOR NO ADDITIONAL PAYMENT WILL BE MADE TO THE CONTRACTOR FOR LOCATING 12. THIS SYSTEM WAS DESIGNED AT 68 PSI STATIC WATER PRESSURE AND 39 GPM. THE CONTRACTR SHALL VERIFY THE ACTUAL STATIC WATER PRESSURE PRIOR TO CONSTRUCTION AND INFORM THE LANDSCAPE ARCHITECT IN WRITING OF THE RESULTS. A DETERMINATION WILL BE MADE BY THE

EXISTING ELECTRICAL PANEL LOCATION-

C-II | 15" | C-IØ | 15" | C-9 | 15" | C-8 | 15" | C-8 | 15" | C-1 | 15" | C-6 | 15" | C-5 | 15" | C-2 | 15" | C-1 | 15" | C-2

125"

YALYE LEGEND VALVE AND \_\_\_VALVE SIZE STATION NO. - — — — IRRIGATION MAIN LINE, SCH. 40, BELL END, SOLVENT WELD PYC. 28" BURY. C-9 2" 44-GPM = == == SLEEVES FOR PIPING, CLASS 200, SDR-21, BELL END, SOLVENT WELD PVC. GALLONAGE PER VALVE -BERMAD FLOWMETER MASTERVALVE WITH PRESSURE VACUUM BREAKER (PVB) WATER METER REQUIREMENTS PER DETAIL 2702-A. PVB SHALL BE FEBCO 765-BY-200, ASSEMBLY SIZE 2"

THE CONTRACTOR SHALL INSTALL A COMPLETE 1.5" WATER SERVICE WHICH SHALL INCLUDE BUT NOT BE LIMITED TO: THE WATER METER, YOLK, METER PIT, PRESSURE TAP, CORPORATION STOP, SERVICE LINE, CURB STOP, PAYEMENT SAW-CUTS, EXCAVATION, COMPACTION, SIDEWALK, CURB AND GUTTER, ASPHALT AND PAVEMENT REMOVALS AND REPLACEMENT. ALL UTILITY EXPANSION, STAND-BY, PRO-RATA CHARGES, FEES AND OTHER CHARGES SHALL BE INCLUDED IN THE CONTRACTOR'S BID.

APPROXIMATE LOCATION OF EXISTING 12" CAST IRON DISTRIBUTION LINE. CONTRACTOR SHALL CONFIRM ACTUAL LOCATION FOR PRESSURE TAP. EXTEND SERVICE LINE AS REQUIRED TO CONNECT TO PROPOSED WATER METER. -

THE CONTRACTOR SHALL TRENCH THROUGH EXISTING TURF AS REQUIRED TO INSTALL THE PROPOSED IRRIGATION SYSTEM, HAND WORK WILL BE REQUIRED IN THIS AREA DUE TO EXISTING TREES & SHRUBS. THE CONTRACTOR SHALL NOT CUT ANY ROOT OVER 2" IN DIAMETER. EXISTING TREES TO REMAIN, TYPICAL

- TWO 20 AMP CIRCUIT BREAKERS IN A NEMA 3R LOCKABLE ENCLOSURE. MOUNT ENCLOSURE SECURELY TO WALL. SEE RISER DIAGRAM DETAIL (B/6)

PROPOSED CONTROLLER.

ENAMEL COLOR SHALL MATCH EXISTING.

IRRIGATION LEGEND

WELD PVC. SIZE SHALL BE 2".

MODEL NO.

0 1-25-365-05 \*5

( 1-25-ADS-Ø2

● 1-25-ADS-Ø5

J-125"

☐ SCH. 40 PYC SOLVENT WELD CAP, SIZE 2"

PROPOSED WATER METER, SIZE 1.5". SEE DETAIL 2363

SIZE SHALL BE 2" (18" DEPTH OF BURY PAST FLOW METER).

SIZE SHALL BE TWO SIZES LARGER THAN PIPE TO BE SLEEVED.

=SLEEVES FOR 24-VOLT WIRE, CLASS 200, SDR-21, BELL END, SOLVENT

AUTOMATIC VALVE ASSEMBLY, WEATHERMATIC 11000CR SERIES, PLASTIC BODY

WITH FLOW CONTROL AND MANUAL ACTIVATION, SIZE 1.5" SEE DETAIL 2703

GEAR DRIVE SPRINKLER ASSEMBLIES, HUNTER 1-25 SERIES WITH STAINLESS

96

9.6

68

STEEL RISER, CHECK VALVE AND RUBBER COVER. SEE DETAIL 27/09

IRRIGATION CONTROLLER TORO SCORPIO SERIES MODEL NO. M55-25-5.
16 STATION IN STAINLESS STEEL PEDESTAL WITH ANTENNA. SEE DETAIL A/6

- ALL EMT SHALL BE RIGID STEEL WITH HEAVY DUTY

LB BOXES AND WALL CLAMPS. WALL CLAMPS SHALL

CEILINGS WHENEVER POSSIBLE. THE LOCATION OF

ROUTES SHALL BE APPROVED BY THE LANDSCAPE

REPAIRED WITH AN APPROVED MATERIAL. ALL EMT

CONDUIT, WALL CLAMPS, LB BOXES, ETC. SHALL BE

BE SECURELY FASTENED TO WALL 3' O.C. EMT CONDUIT

ARCHITECT PRIOR TO INSTALLATION. DRILLING THROUGH

PAINTED WITH THREE COATS OF WATER BASED ENAMEL.

EXISTING WALLS WILL BE REQUIRED. ALL HOLES SHALL BE

SHALL BE INSTALLED AT THE CORNER OF WALLS AND

53'

NOZZLE NO. RADIUS

-LATERAL PIPING, SCH. 40, BELL END, SOLVENT WELD PVC.

SIZE SHALL BE AS SHOWN ON PLAN. 18" DEPTH OF BURY.

FOR ADDITIONAL INFORMATION. -THE CONTRACTOR SHALL PROTECT EXISTING SHRUB. CONDUIT AND ELECTRICAL FOR CONTROLLER SHALL EXTEND FROM EXISTING PANEL, ALONG EXTERIOR HE CONTRACTOR SHALL SAW-CUT, REMOVE AND PROPERLY WALLL, UNDERNEATH PROPOSED DISPOSE OF EXISTING PAVING, EXCAYATE AND INSTALL WALK AND 12" PAST WALK TO SLEEVES, BACKFILL IN 6" LIFTS AND COMPACT TO 95% MODIFIED PROCTOR REPLACE PAYING WITH NEW TO MATCH

EXISTING AS REQUIRED TO INSTALL THE IRRIGATION SYSTEM -EXISTING FENCE TO REMAIN, TYPICAL

2 3 4 5 5 7 8 9 10 11 12 13 14 15

TITLE:

`APPROVALS

ORC CHAIRMAN TRANSPORTATION

IYDROLOGY

PROJECT

CITY OF ALBUQUERQUE PARKS/GENERAL SERVICES DESIGN AND DEVELOPMENT KENNEDY MIDDLE SCHOOL RECREATIONAL FIELD RENOVATION IRRIGATION PLAN

ENGINEER

4894.91

DATE/

MAP

NO. K-21-Z

APPROVALS-

WASTE WATER

WATER -

DATE

OF

ENGINEER

SHEET

MORROW & COMPANY, LTD.

LANDSCAPE ARCHITECTS 210 La Veta N.E. Albuquerque, N.M. 87108 PH: 505 268-2266 FAX:

 
 VALVE NO.
 VALVE SIZE
 TOTAL GPM
 HUNTER HEADS
 ARC
 NOZZLE
 QTY.

 V-1
 1.5"
 35 GPM
 1-25-ADS-Ø2
 9Ø
 2
 1
 35 GPM 1-25-ADS-Ø5 18Ø 29 GPM 29 GPM 29 GPM V-6 29 GPM 39 GPM

39 GPM

V-11

VALVING LEGEND

\_\_\_ 3 \*8 THW AND I \*10 TWO 20A/IP CIRCUIT BREAKERS THWN IN 1" CONDUIT. IN NEMA 3R LOCKABLE ENCLOSURE MOUNT ENCLOSURE SECURELY TO EXTERIOR WALL. IRRIGATION CONTROLLER AND PEDESTAL, SEE DETAIL A/6--PROVIDE AND INSTALL NEW 40A/2P CIRCUIT BREAKER IN AVAILABLE SPACE. EXISTING --1/2" RIGID STEEL SWEEP ELLS UNDER ELECTRICAL 2 \*12 THWN AND 1 \*12 PANEL GROUND IN 1/2" CONDUIT .-PROPOSED WALK, TYPICAL. POWER RISER DIAGRAM