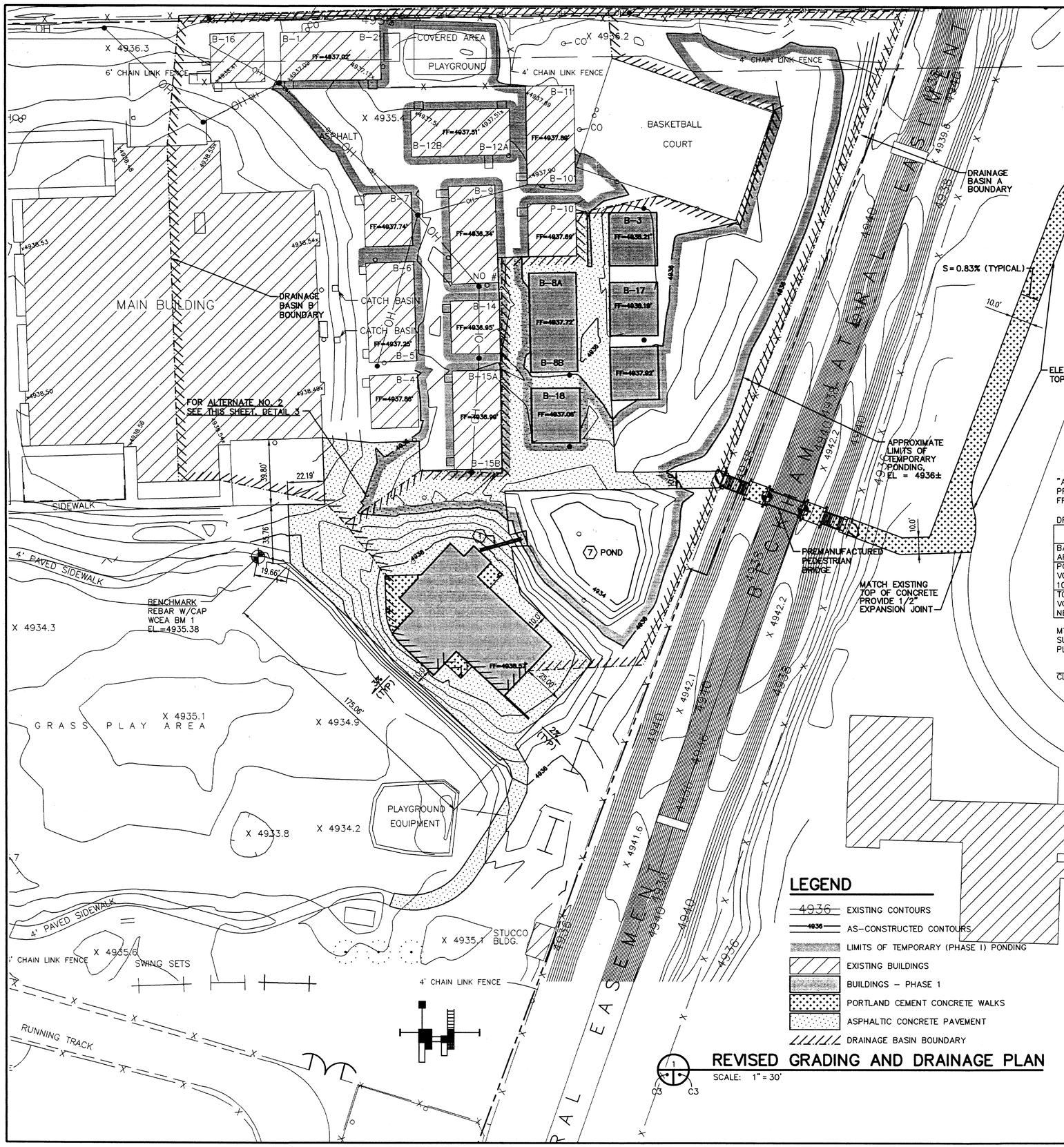


THIS REVISED PHASE I PLAN REPLACES THE PHASE I PLAN WITH ENGINEER'S STAMP DATE 4/11/96, WHICH WAS APPROVED IN A LETTER DATED MAY 13, 1996. THE REVISION INCLUDES THE ELIMINATION OF THE SWALE BETWEEN THE EXISTING BUILDING AND THE NEW MULTI-PURPOSE FACILITY. CONSEQUENTLY, PONDING COVERS A LARGER SURFACE AREA DURING THE DESIGN STORM (100 YEAR - 10 DAY), AS SHOWN ON THIS REVISED PHASE I PLAN. THE AREA IS TO BE PUMPED BY APS MAINTENANCE AND OPERATIONS (M & O), SHOULD SUCH AN EVENT OCCUR BEFORE THE BUILDING OF THE NEXT PHASE. THE AREA ON THIS REVISED PHASE I PLAN THAT IS LABELED AS A POND WILL APPROXIMATELY RETAIN THE VOLUME FROM A 100 YEAR - 7 DAY EVENT, WITHOUT THE WATER SURFACE APPROACHING THE FOOTINGS ON THE TEMPORARY BUILDINGS. FOR MORE DETAILED EXPLANATION, SEE SUBMITTAL LETTER DATED FEBRUARY 18, 1997 ALONG WITH ATTACHED CALCULATIONS AND MASTER PLAN ((M12/D7) (PWD-96-27), ENGINEER'S STAMP DATED 4/11/96. THIS REVISED PHASE I PLAN IS NOT INTENDED TO REVISE THE APPROVED MASTER PLAN.

CLINTON DODGE, P.E. — REVISED STAMP DATE

"AS-CONSTRUCTED" SURVEY INFORMATION PROVIDED BY: WILSON & CO FROM A SURVEY DATED 2/4/97

DRAINAGE BASIN

	A (ORIGINAL)	B (ADDED AREA)	TOTAL
BASIN AREAS	0.63 AC	1.50 AC	2.13 AC
PONDING VOLUME 10 DAY	0.10 AC-FT	0.61 AC-FT	0.71 AC-FT
TOTAL VOLUME NEEDED	0.18 AC-FT	0.43 AC-FT	0.61 AC-FT

MY STAMP AND SIGNATURE HEREBY INDICATE SUBSTANTIAL COMPLIANCE WITH THIS DRAINAGE PLAN.

CLINTON DODGE, P.E.

LEGEND

- EXISTING CONTOURS
- AS-CONSTRUCTED CONTOURS
- LIMITS OF TEMPORARY (PHASE I) PONDING
- EXISTING BUILDINGS
- BUILDINGS – PHASE 1
- PORTLAND CEMENT CONCRETE WALKS
- ASPHALTIC CONCRETE PAVEMENT
- DRAINAGE BASIN BOUNDARY

REVISED GRADING AND DRAINAGE PLAN

SCALE: 1" = 30'

GENERAL NOTES

A ASPHALT SHALL BE 2" THICK WITH 6" BASE COMPACTED TO 95% PER ASTM 1557D AND A PREPARED SUB GRADE COMPACTED TO 90% PER ASTM 1557D.

B GRADE NOT TO EXCEED 5% PARALLEL TO ACCESS ROAD ON BECKHAM LATERAL. DRIVING SURFACE MUST BE CONTINUOUS.

C CONTRACTOR RESPONSIBLE FOR ENSURING COMPLIANCE WITH MRGCD LICENSE FOR BRIDGE CONSTRUCTION AND BERNALILLO COUNTY FOR TRAFFIC CONTROL.

D FILL FOR BRIDGE AND APPROACH TO BE COMPACTED TO 95% PER ASTM 1557D, AND TO ELEVATIONS ON SHEET C4.

KEYED NOTES ⬡

(BASE BID UNLESS OTHERWISE NOTED)

1 TRENCH DRAIN WITH COVER, SEE DETAIL 2, THIS SHEET.

2 BENCH (TYPICAL OF 6) (ALTERNATE NO. 2)

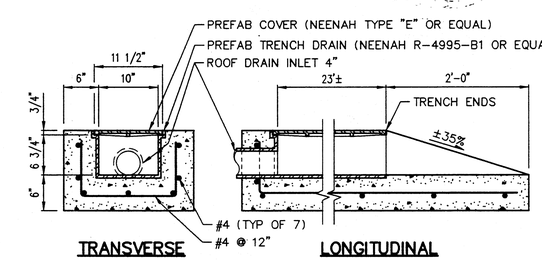
3 2" PVC SLEEVE UNDER PAVING (ALTERNATE NO. 2)

4 EXTEND 3/4" WATERLINE FROM EXISTING PLAYING FIELD TO TREE WELLS. INSTALL 3/4" KING MALE-PIPE-THREADED DRAINS, OR EQUAL, AT SYSTEM LOW POINTS. ADD DRIP IRRIGATION LINES AT EACH WELL. (VALVES PER COA STD DWG 2706A, TREE WELLS PER COA STD DWG 2710.) (ALTERNATE NO. 2)

5 8' DIA CONCRETE TREE WELL, (PER COA STD DWG 2715 AND 2727) (ALTERNATE NO. 2).

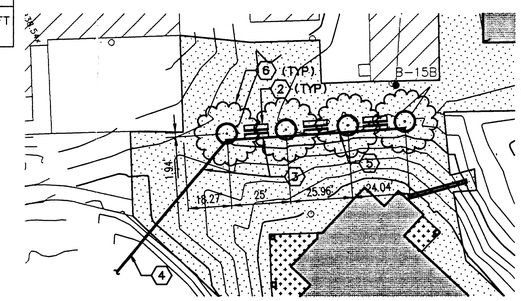
6 4 ~ 2" DIA, 8' MIN HIGH HONEY LOCUST (GLEDITSIA TRICANTHOUS) (ALTERNATE NO. 2)

7 DRAINAGE POND TO BE 1.5 FEET DEEP DEPRESSION, SEEDED WITH NATIVE VEGETATION (GRASSES).



TRENCH DRAIN DETAIL

SCALE: 1" = 1'-0"



ALTERNATE NO. 2 DETAIL

SCALE: 1" = 30'

0 6" 1' 2' 3'
1" = 1'-0"

0 10' 30' 60' 90'
1" = 30'

RECEIVED APR 02 1997 HYDROLOGY SECTION

30/95023_11\DWG\C\KCP1GRDA/2-19-97/KHK

REVISION	DATE	DESCRIPTION
1	2/14/97	REVISED GRADING, ADDED NOTES – "AS-CONSTRUCTED"

KIT CARSON ELEMENTARY SCHOOL

GYMNASIUM FACILITY

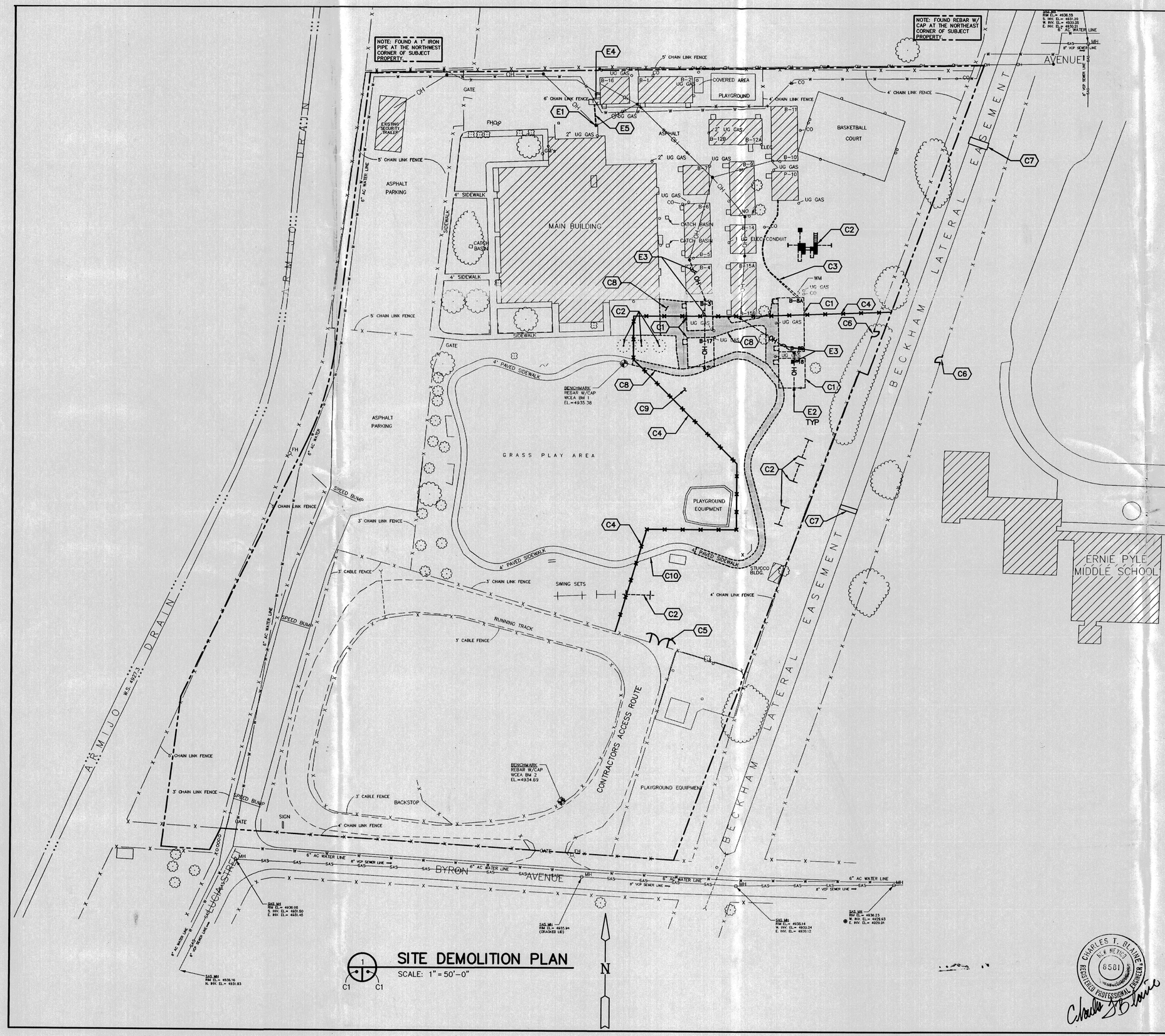
REVISED PHASE I GRADING AND DRAINAGE PLAN

LEEDSHILL – HERKENHOFF, INC.
ENGINEERS ARCHITECTS
ALBUQUERQUE SANTA FE

LH PROJECT MANAGER

SHEET C3A OF 4

QA RELEASE	CD
DESIGN BY	KJ
CHECKED BY	CD
DRAWN BY	KHK
SCALE	1" = 30'
DATE	MARCH 96
SEQUENCE NO.	5



SITE DEMOLITION PLAN

SCALE: 1" = 50'-0"

GENERAL NOTES

A CAP AND ABANDON IN PLACE UNDERGROUND UTILITIES FOR RELOCATED TEMPORARY BUILDINGS

B FOR ELECTRICAL SYMBOLS LEGEND, SEE SHEET E1.

KEYED NOTES

(BASE BID UNLESS OTHERWISE NOTED)

C1 RELOCATE EXISTING PORTABLE CLASSROOM BUILDING TO LOCATION AS SHOWN ON SHEET C2. RELOCATE ALL STAIRS, RAMPS AND UTILITIES AS REQUIRED FOR COMPLETE REINSTALLATION. REMOVE ALL EXISTING CONCRETE FOOTINGS AT RELOCATED BUILDING LOCATIONS. BACKFILL AND COMPACT TO 95% PROCTOR AS PER ASTM D1557. (ALTERNATE #1)

C2 REMOVE AND RELOCATE EXISTING PLAYGROUND EQUIPMENT.

C3 REMOVE EXISTING CONCRETE MASONRY UNIT WALL

C4 CONTRACTORS FENCE AND PERIMETER OF LAY-DOWN AREA

C5 INSTALL NEW 20' WIDE DOUBLE GATE IN EXISTING CHAINLINK FENCE. ADD NEW LINE POSTS AND GATE POSTS AS REQUIRED.

C6 INSTALL NEW 6' WIDE SINGLE GATE IN EXISTING CHAINLINK FENCE FOR NEW CONCRETE WALK.

C7 REMOVE EXISTING EASEMENT CROSSING BRIDGE AFTER COMPLETION OF NEW BRIDGE.

C8 REMOVE EXISTING ASPHALT PAVING

C9 REMOVE SPRINKLER HEADS AND CAP IRRIGATION LINES AT PLAY AREA AS REQUIRED FOR NEW BUILDING AND PAVING. ADD NEW AND ADJUST EXISTING SPRINKLER HEADS TO PROVIDE COVERAGE TO ALL REMAINING GRASS AREAS.

C10 EXISTING ASPHALT TO REMAIN. PROTECT AS REQUIRED.

KEYED NOTES (ELEC)

(BASE BID UNLESS OTHERWISE NOTED)

DISCONNECTING MEANS FOR POWER TO PORTABLE CLASSROOM BUILDINGS. FIELD VERIFY.

E2 PIPE MAST ADJACENT TO POWER RISER CONDUIT. (ALTERNATE #1)

E3 DISCONNECT POWER CONDUCTORS, TELEPHONE, PUBLIC ADDRESS AND INTRUSION ALARM CABLE. SAVE FOR REUSE. DISCONNECT GROUND CONDUCTOR, REMOVE GROUND ROD. ENSURE THAT BUILDINGS NOT BEING MOVED REMAIN CONNECTED TO UTILITIES. (ALTERNATE #1)

E4 200A DISCONNECT AND PANELBOARD FOR PORTABLE CLASSROOMS.

E5 REWORK UNDERGROUND SERVICE TO PORTABLES.

E6 SEE ONE-LINE ON SHEET E2 FOR WORK AT SERVICE ENTRANCE.

0 25' 50' 100' 150'
1" = 50'

50/95023_11\DWG\C\DEMOSITE/3-29-96/KHK

REVISION	DATE	DESCRIPTION

KIT CARSON ELEMENTARY SCHOOL

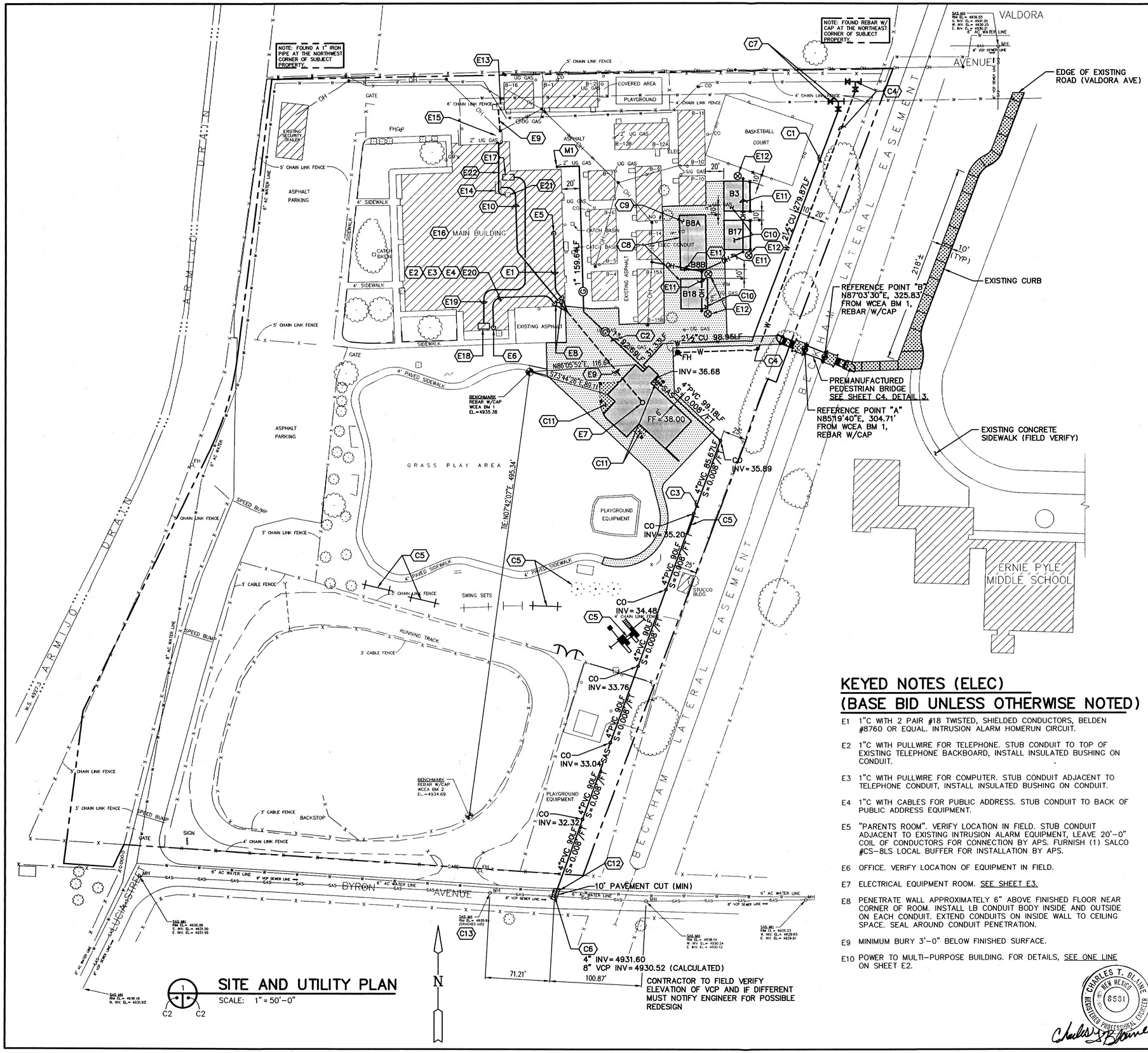
GYMNASIUM FACILITY

SITE DEMOLITION PLAN

LEEDSHILL – HERKENHOFF, INC.
ENGINEERS ARCHITECTS
ALBUQUERQUE SANTA FE

QA RELEASE	TB
DESIGN BY	KJ/BG
CHECKED BY	TB
DRAWN BY	KHK/PCS
SCALE	1" = 50'
DATE	MARCH 96
SEQUENCE NO.	3
SHEET	C1 OF 4
LH PROJECT MANAGER	

CHARLES T. BLAINE NEW MEXICO 8581 REGISTERED PROFESSIONAL ENGINEER



SITE AND UTILITY PLAN

SCALE: 1" = 50'-0"

NOTES

A FOR ELECTRICAL SYMBOLS LEGEND, SEE SHEET E1.

KEYED NOTES (CIVIL)
(BASE BID UNLESS OTHERWISE NOTED)

C1 2½" COPPER WATER LINE 3' BURY MINIMUM

C2 1" COATED STEEL GAS LINE 2' BURY MINIMUM

C3 4" PVC SANITARY SEWER LINE CLEANOUT INVERTS AS SHOWN

C4 6" PVC WATERLINE AND FIRE HYDRANT WITH APPURTENANCES TO BE DESIGNED AND INSTALLED BY OTHERS (NOT IN CONTRACT). LOCATION SHOWN IS APPROXIMATE.

C5 RELOCATED/REINSTALLED PLAYGROUND EQUIPMENT

C6 TAP INTO 8" VCP SEWER AND CONNECT 4" PVC SEWER SERVICE LINE. (C.O.A. STD. DWG. 2125) CONTRACTOR TO FIELD VERIFY ELEVATION OF VCP AND IF DIFFERENT MUST NOTIFY ENGINEER FOR POSSIBLE REDESIGN.

C7 2½" CONNECTION TO EXISTING WATERLINE (SIZE AND LOCATION TO BE VERIFIED BY CONTRACTOR INSTALLATION TO BE IN ACCORDANCE WITH COA STANDARD SPECIFICATION USING NEW GATE VALVES).

C8 ALIGN WEST FACES OF THESE RELOCATED BUILDINGS WITH WEST FACE OF EXISTING BUILDING P-10 (ALTERNATE NO 1)

C9 "DOUBLE" PORTABLE CLASSROOM, SEE SHEET C4, DETAIL 2, FOR FOUNDATION PLAN (ALTERNATE NO 1)

C10 "SINGLE" PORTABLE CLASSROOM, SEE SHEET C4, DETAIL 1, FOR FOUNDATION PLAN (ALTERNATE NO 1)

C11 NEW 4" CONCRETE PAVING.

C12 CONTRACTOR TO COORDINATE TRAFFIC CONTROL WITH BERNALILLO COUNTY TRAFFIC ENGINEERING MANAGER.

C13 CONTRACTOR TO FIELD VERIFY MANHOLE INVERT ELEVATION, (EST INVERT ELEV = 30.71) BEFORE CONSTRUCTION OF SAS. IF ELEVATION IS DIFFERENT THAN SHOWN ON PLANS CALL ENGINEER FOR POSSIBLE MODIFICATION.

KEYED NOTES (MECH)
(BASE BID UNLESS OTHERWISE NOTED)

M1 CONNECT NEW 2" GAS LINE TO EXISTING LINE AT 12" ABOVE GRADE. BURY GAS LINE AFTER 12" OF LINE HAS BEEN ADDED. PROVIDE PLUG VALVE AT CONNECTION.

KEYED NOTES (ELEC) CONTINUED
(BASE BID UNLESS OTHERWISE NOTED)

E11 CONNECT RELOCATED PORTABLE CLASSROOM BUILDINGS TO POWER, TELEPHONE, PUBLIC ADDRESS AND INTRUSION ALARM. REUSE CONDUCTORS AND CABLE FROM OLD LOCATIONS, FURNISH NEW TO MATCH IF REQUIRED. (ALTERNATE NO 1)

E12 INSTALL NEW ⅝" X 8'-0" GROUND ROD. BOND TO GROUND LUG AND TO SERVICE NEUTRAL AT BUILDING DISCONNECT. (ALTERNATE NO 1)

E13 RECONNECT TO 200A DISCONNECT.

E14 PANEL "M". FOR ADDITIONAL WORK IN PANEL, SEE ONE LINE ON SHEET E2.

E15 FOR WORK AT SERVICE ENTRANCE, SEE ONE LINE AND DETAILS ON SHEET E2.

E16 INSTALL CIRCUITS ABOVE SUSPENDED CEILING.

E17 REMOVE EXISTING FIRE ALARM PANEL. INSTALL 12" X 12" X 6" HINGED COVER BOX WITH TERMINAL STRIP. EXTEND EXISTING CIRCUITS TO NEW FIRE ALARM PANEL.

E18 FIRE ALARM PANEL. COORDINATE EXACT LOCATION WITH OWNER.

E19 1"C WITH EXTENDED EXISTING CIRCUITS.

E20 1"C WITH GYMNASIUM ROOM FIRE ALARM CIRCUITS.

E21 INSTALL 60A-3P BREAKER IN EXISTING PANEL 'LA'.

E22 ¾"C 3#6, 1#10G TO ROOFTOP EQUIPMENT ORIGINALLY FED FROM DISCONNECT ON WALL AT SERVICE ENTRANCE. SEE E2 FOR CONTINUATION.

KEYED NOTES (ELEC)
(BASE BID UNLESS OTHERWISE NOTED)

E1 1"C WITH 2 PAIR #18 TWISTED, SHIELDED CONDUCTORS, BELDEN #8760 OR EQUAL. INTRUSION ALARM HOMERUN CIRCUIT.

E2 1"C WITH PULLWIRE FOR TELEPHONE. STUB CONDUIT TO TOP OF EXISTING TELEPHONE BACKBOARD, INSTALL INSULATED BUSHING ON CONDUIT.

E3 1"C WITH PULLWIRE FOR COMPUTER. STUB CONDUIT ADJACENT TO TELEPHONE CONDUIT, INSTALL INSULATED BUSHING ON CONDUIT.

E4 1"C WITH CABLES FOR PUBLIC ADDRESS. STUB CONDUIT TO BACK OF PUBLIC ADDRESS EQUIPMENT.

E5 "PARENTS ROOM". VERIFY LOCATION IN FIELD. STUB CONDUIT ADJACENT TO EXISTING INTRUSION ALARM EQUIPMENT, LEAVE 20'-0" COIL OF CONDUCTORS FOR CONNECTION BY APS. FURNISH (1) SALCO #CS-8LS LOCAL BUFFER FOR INSTALLATION BY APS.

E6 OFFICE. VERIFY LOCATION OF EQUIPMENT IN FIELD.

E7 ELECTRICAL EQUIPMENT ROOM. SEE SHEET E3.

E8 PENETRATE WALL APPROXIMATELY 6" ABOVE FINISHED FLOOR NEAR CORNER OF ROOM. INSTALL LB CONDUIT BODY INSIDE AND OUTSIDE ON EACH CONDUIT. EXTEND CONDUITS ON INSIDE WALL TO CEILING SPACE. SEAL AROUND CONDUIT PENETRATION.

E9 MINIMUM BURY 3'-0" BELOW FINISHED SURFACE.

E10 POWER TO MULTI-PURPOSE BUILDING. FOR DETAILS, SEE ONE LINE ON SHEET E2.

0 25' 50' 100' 150'
1" = 50'

50/95023_11\DWG\C\NEWSITE/4-01-96/FKP

REVISION	DATE	DESCRIPTION

KIT CARSON ELEMENTARY SCHOOL

GYMNASIUM FACILITY

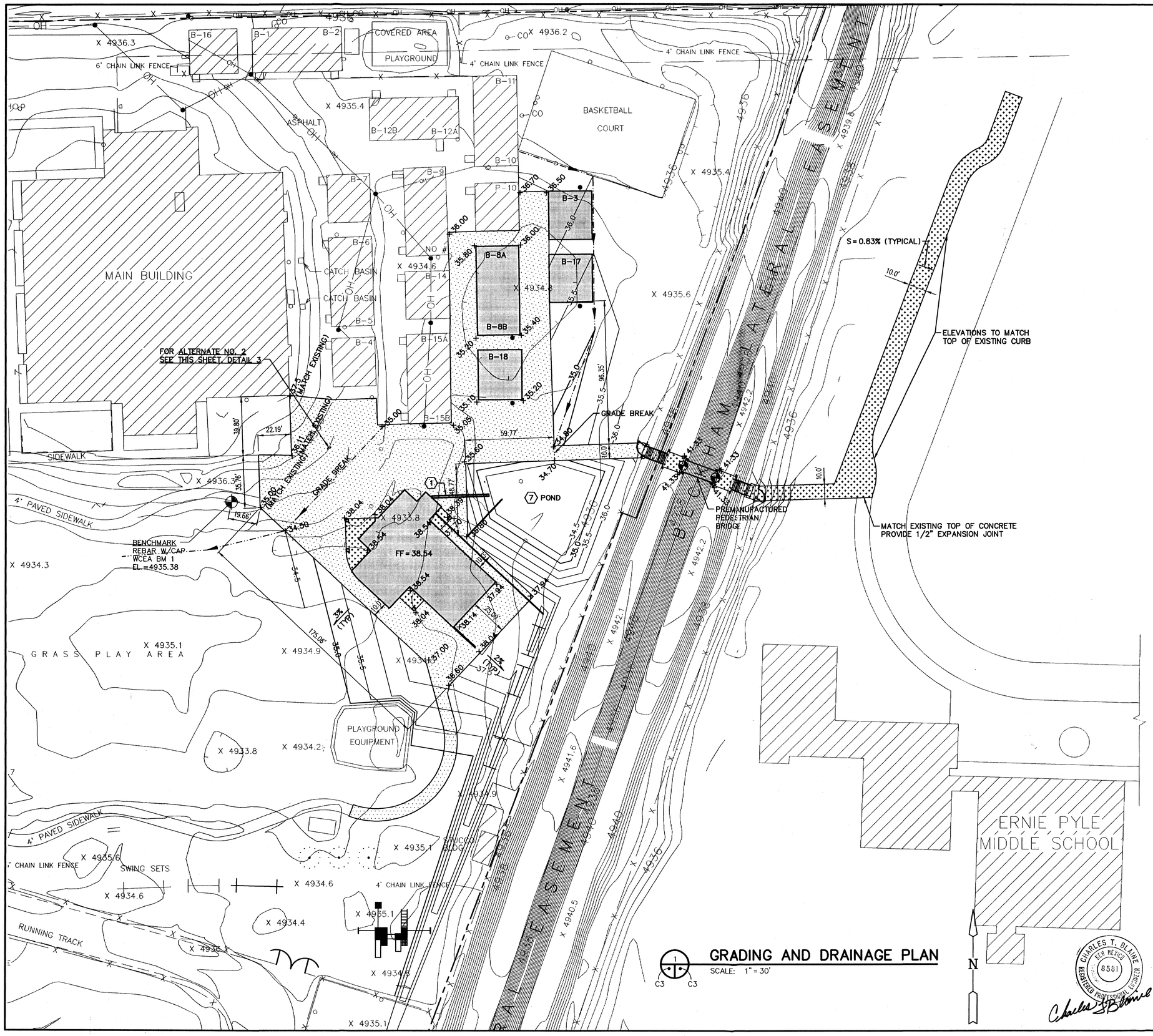
SITE AND UTILITY PLAN

LEEDSHILL – HERKENHOFF, INC.
ENGINEERS ARCHITECTS
ALBUQUERQUE SANTA FE

QA RELEASE	TB
DESIGN BY	KJ/BG
CHECKED BY	TB
DRAWN BY	KHK/PCS
SCALE	1" = 50'
DATE	MARCH 96
SEQUENCE NO.	4
SHEET	C2 OF 4

LH PROJECT MANAGER

CHARLES T. BLAINE NEW MEXICO 8531 REGISTERED PROFESSIONAL ENGINEER



GRADING AND DRAINAGE PLAN

SCALE: 1" = 30'

GENERAL NOTES

A ASPHALT SHALL BE 2" THICK WITH 6" BASE COMPACTED TO 95% PER ASTM 1557D AND A PREPARED SUB GRADE COMPACTED TO 90% PER ASTM 1557D.

B GRADE NOT TO EXCEED 5% PARALLEL TO ACCESS ROAD ON BECKHAM LATERAL. DRIVING SURFACE MUST BE CONTINUOUS.

C CONTRACTOR RESPONSIBLE FOR ENSURING COMPLIANCE WITH MRGCD LICENSE FOR BRIDGE CONSTRUCTION AND BERNALILLO COUNTY FOR TRAFFIC CONTROL.

D FILL FOR BRIDGE AND APPROACH TO BE COMPACTED TO 95% PER ASTM 1557D, AND TO ELEVATIONS ON SHEET C4.

KEYED NOTES ⬡

(BASE BID UNLESS OTHERWISE NOTED)

1 TRENCH DRAIN WITH COVER, SEE DETAIL 2, THIS SHEET.

2 BENCH (TYPICAL OF 6) (ALTERNATE NO. 2)

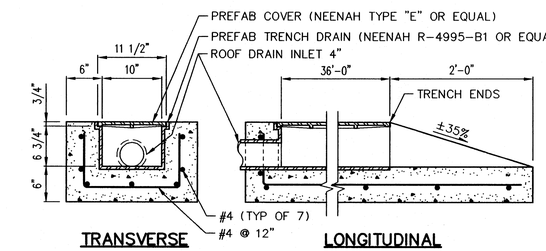
3 2" PVC SLEEVE UNDER PAVING (ALTERNATE NO. 2)

4 EXTEND 3/4" WATERLINE FROM EXISTING PLAYING FIELD TO TREE WELLS. INSTALL 3/4" KING MALE-PIPE-THREADED DRAINS, OR EQUAL, AT SYSTEM LOW POINTS. ADD DRIP IRRIGATION LINES AT EACH WELL. (VALVES PER COA STD DWG 2706A, TREE WELLS PER COA STD DWG 2710.) (ALTERNATE NO. 2)

5 8' DIA CONCRETE TREE WELL, (PER COA STD DWG 2715 AND 2727) (ALTERNATE NO. 2)

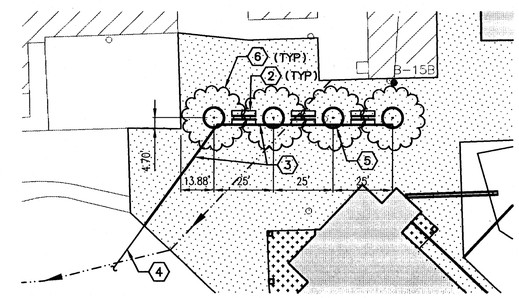
6 4 ~ 2" DIA, 8' MIN HIGH HONEY LOCUST (GLEDITSIA TRICANTHOUS) (ALTERNATE NO. 2)

7 DRAINAGE POND TO BE 1.5 FEET DEEP DEPRESSION, SEEDED WITH NATIVE VEGETATION (GRASSES).



TRENCH DRAIN DETAIL

SCALE: 1" = 1'-0"



ALTERNATE NO. 2 DETAIL

SCALE: 1" = 30'

0 6" 1' 2' 3'
1" = 1'-0"

0 10' 30' 60' 90'
1" = 30'

30/95023_11\DWG\C\KCP1GRD/3-29-96/KHK

REVISION	DATE	DESCRIPTION

KIT CARSON ELEMENTARY SCHOOL

GYMNASIUM FACILITY

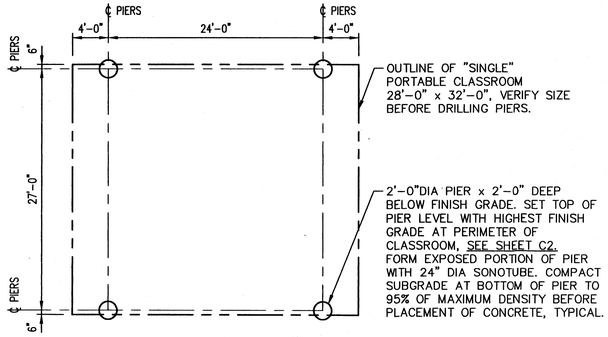
GRADING AND DRAINAGE PLAN

LEEDSHILL – HERKENHOFF, INC.
ENGINEERS ARCHITECTS
ALBUQUERQUE SANTA FE

LH PROJECT MANAGER

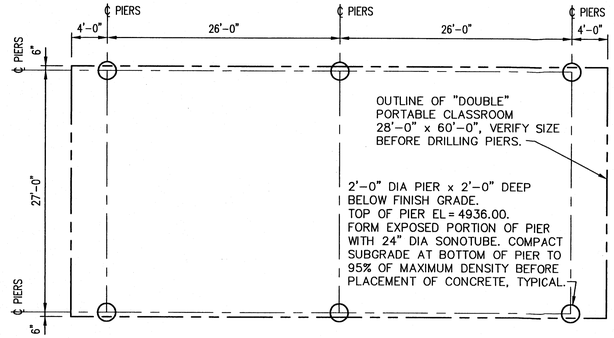
SHEET C3 OF 4

QA RELEASE	TB
DESIGN BY	KJ
CHECKED BY	TB
DRAWN BY	KHK
SCALE	1" = 30'
DATE	MARCH 96
SEQUENCE NO.	5



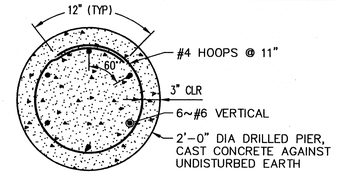
FOUNDATION PLAN @ "SINGLE" PORTABLE CLASSROOM

1 C2 C4 SCALE: 1/8" = 1'-0" (ALTERNATE NO. 1)



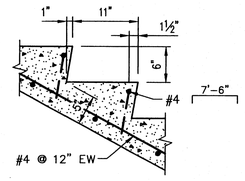
FOUNDATION PLAN @ "DOUBLE" PORTABLE CLASSROOM

2 C2 C4 SCALE: 1/8" = 1'-0" (ALTERNATE NO. 1)



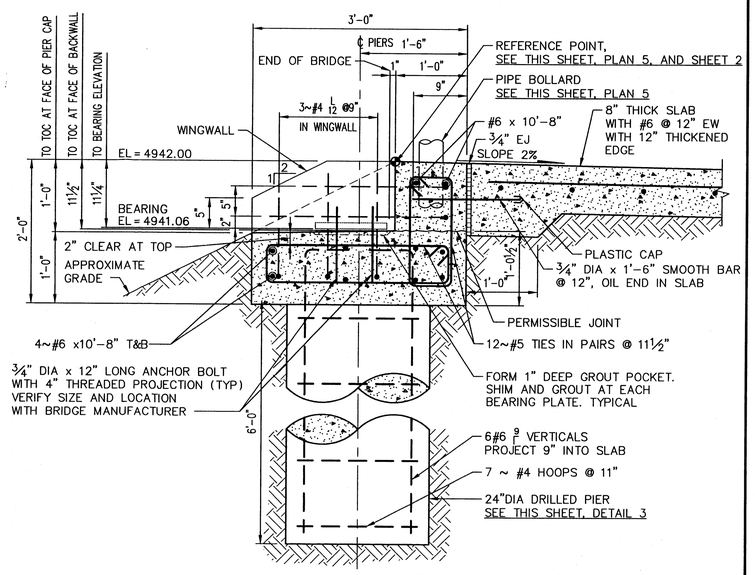
PIER SECTION

3 C4 C4 SCALE: 1" = 1'-0"



STEP SECTION

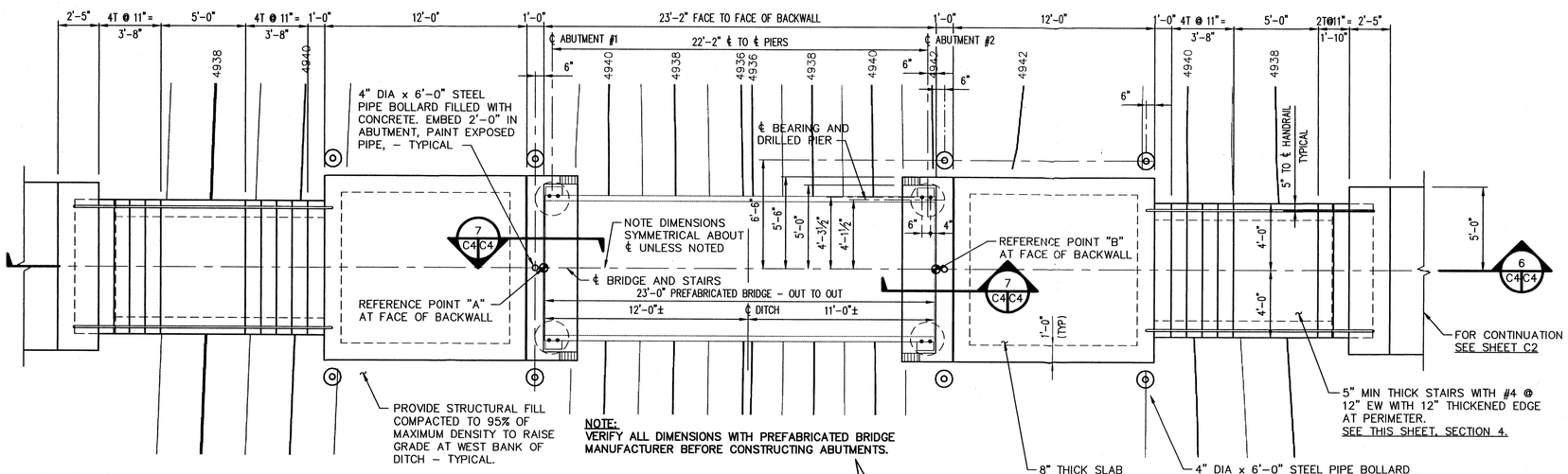
4 C4 C4 SCALE: 1" = 1'-0"



* VERIFY DIMENSION WITH PREFABRICATED BRIDGE MANUFACTURER.

ABUTMENT SECTION

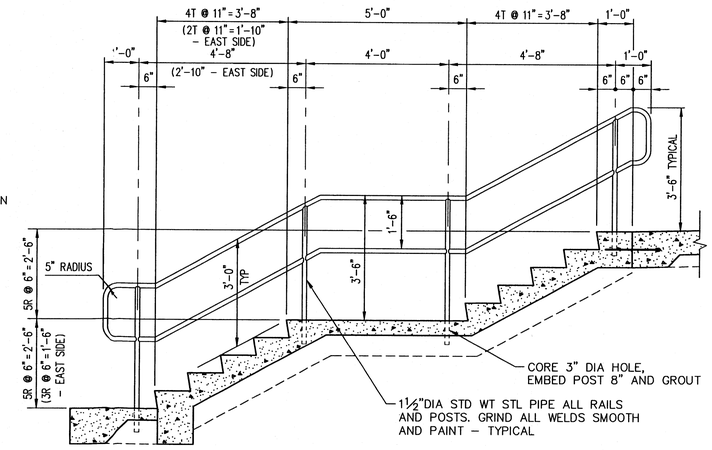
7 C4 C4 SCALE: 1" = 1'-0"



NOTE:
VERIFY ALL DIMENSIONS WITH PREFABRICATED BRIDGE MANUFACTURER BEFORE CONSTRUCTING ABUTMENTS.

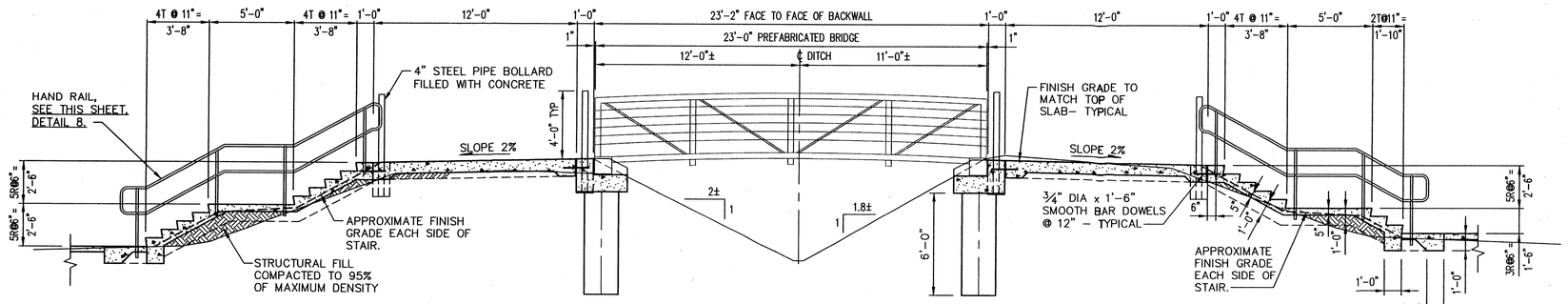
BRIDGE PLAN

5 C2 C4 SCALE: 1/4" = 1'-0"



HANDRAIL DETAIL

8 C4 C4 SCALE: 1/2" = 1'-0"



BRIDGE SECTION

6 C4 C4 SCALE: 1/4" = 1'-0"

48/95023_11\DWG\C\KIT-BRDG/3-27-96/KHK

REVISION	DATE	DESCRIPTION

KIT CARSON ELEMENTARY SCHOOL

GYMNASIUM FACILITY

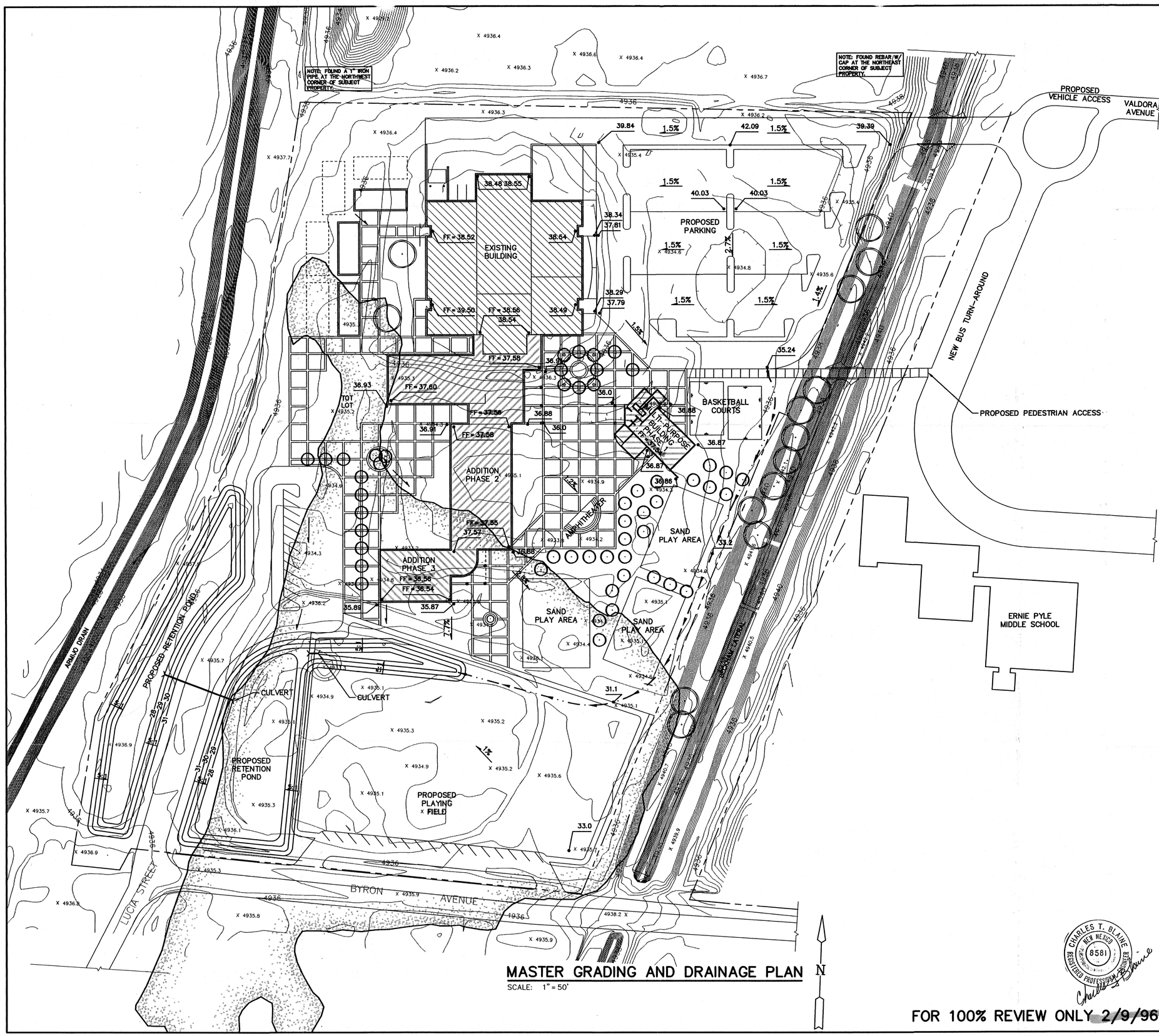
PORTABLE BUILDING FOUNDATION AND PEDESTRIAN BRIDGE DETAILS

LEEDSHILL – HERKENHOFF, INC.
ENGINEERS ARCHITECTS
ALBUQUERQUE SANTA FE

LH PROJECT MANAGER

SHEET C4 OF 4

QA RELEASE	RGM
DESIGN BY	MAZ
CHECKED BY	RGM
DRAWN BY	KHK
SCALE	AS SHOWN
DATE	MARCH 96
SEQUENCE NO.	6



MASTER GRADING AND DRAINAGE PLAN

SCALE: 1" = 50'

DESIGN INFORMATION

SURVEYOR:
SURVEY, ELEVATION AND CONTOUR INFORMATION TAKEN FROM PLANS PREPARED BY WILSON & COMPANY FOR ALBUQUERQUE PUBLIC SCHOOLS, DATED SEPTEMBER 1995.

AREA:
13.78 ACRES

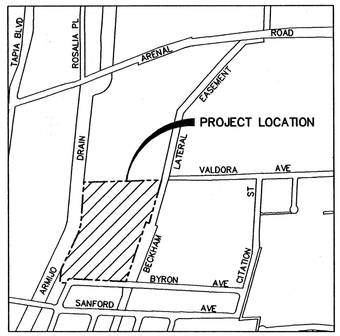
FLOOD HAZARD:
A PORTION OF THE SOUTHERN HALF OF THE SITE IS LOCATED IN AN "AH" FLOOD PLAIN, AS INDICATED ON FEMA FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NO. 350002 0034C, EFFECTIVE DATE OCTOBER 14, 1983. THIS ZONE IS LISTED AS AN "AREA OF 100'YEAR SHALLOW FLOODING, WHERE DEPTHS ARE BETWEEN 1 AND 3 FEET." THE BASE FLOOD ELEVATION FOR THIS AREA IS LISTED AS 4936 FEET. THERE ARE 5 ACRES BEING PLANNED FOR BUILDING IN THIS ZONE. COMPENSATORY VOLUME IS PROVIDED IN THE PROPOSED RETENTION POND.

DRAINAGE TABLE	
EXISTING CONDITIONS	Q_{6HR} = 43.14cfs
PROPOSED CONDITIONS	Q_{6HR} = 50.08cfs

LEGAL DESCRIPTION:
TRACT 198A1B, MRGCD MAP#43

LEGEND

- SWALE
- X 4935.4 — EXISTING SPOT ELEVATION
- 39.39 — PROPOSED SPOT ELEVATION
- 1.5% — PROPOSED SLOPE AND DIRECTION OF FLOW
- TREES/BUSHES
- PROPOSED PAVING
- EXISTING BUILDING
- FLOOD ZONE
- PROPOSED BUILDING



VICINITY MAP

ZONE ATLAS MAP M-12
NOT TO SCALE

0 25' 50' 100' 150'
1" = 50'

50/95023.12CD1/KCGRADE/2-6-96/KHK

REVISION	DATE	DESCRIPTION

CHARLES T. BLAINE NEW MEXICO 8581 REGISTERED PROFESSIONAL ENGINEER

ALBUQUERQUE, NEW MEXICO

KIT CARSON ELEMENTARY

MASTER GRADING AND DRAINAGE PLAN

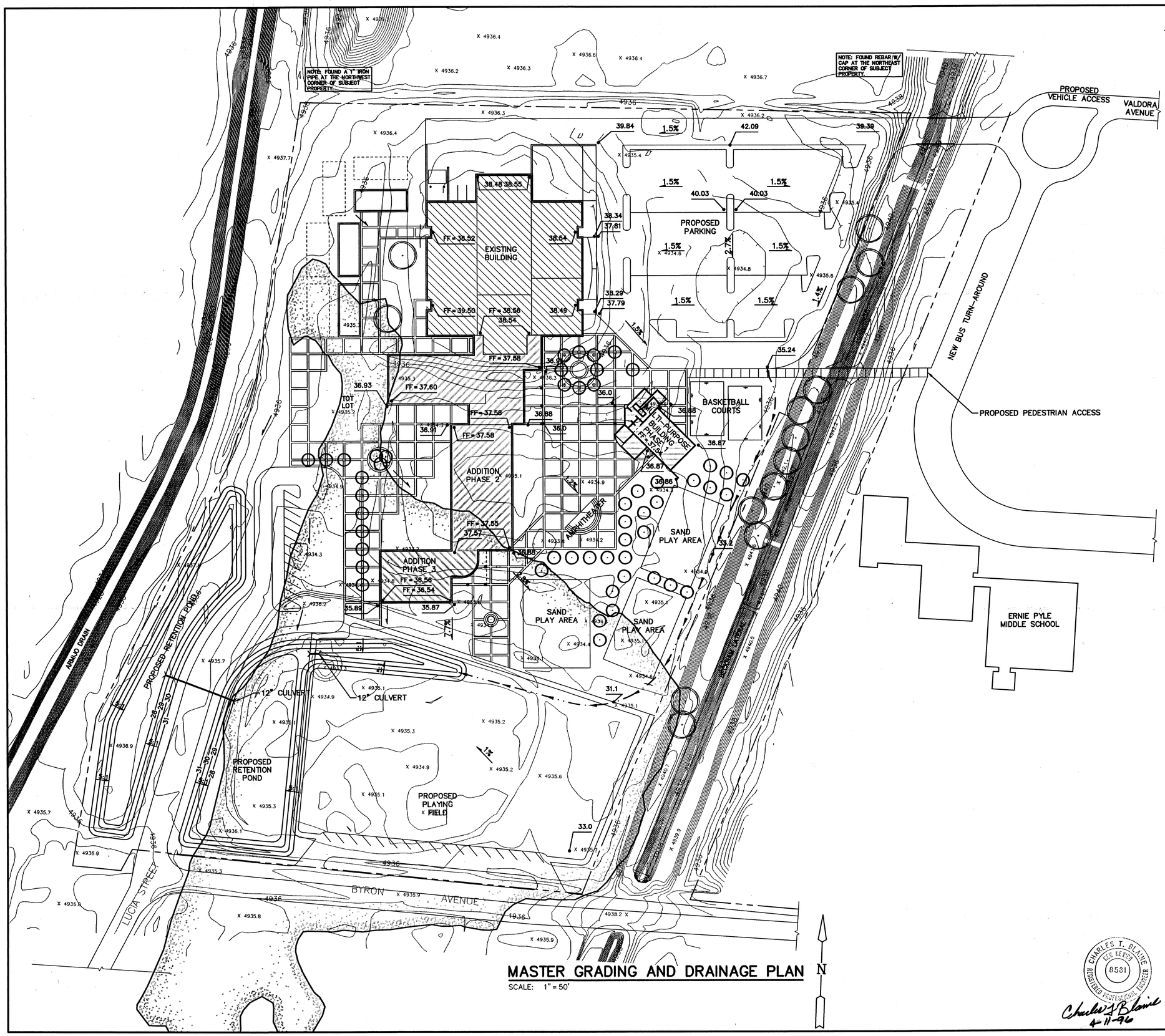
LEEDSHILL – HERKENHOFF, INC.
ENGINEERS ARCHITECTS
ALBUQUERQUE SANTA FE

LH PROJECT MANAGER: JOHN JARRARD

SHEET: 1

QA RELEASE	–
DESIGN BY	KMJ
CHECKED BY	TB
DRAWN BY	KHK
SCALE	1" = 50'
DATE	2/9/96
SEQUENCE NO.	1

FOR 100% REVIEW ONLY 2/9/96



MASTER GRADING AND DRAINAGE PLAN

SCALE: 1" = 50'

N

DESIGN INFORMATION

SURVEYOR:
SURVEY, ELEVATION AND CONTOUR INFORMATION TAKEN FROM PLANS PREPARED BY WILSON & COMPANY FOR ALBUQUERQUE PUBLIC SCHOOLS, DATED SEPTEMBER 1995.

AREA:
13.78 ACRES

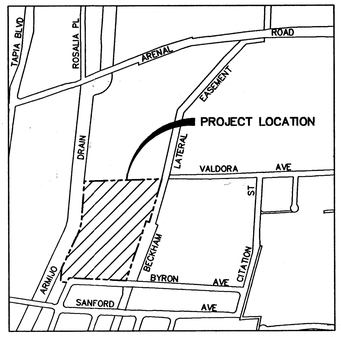
FLOOD HAZARD:
A PORTION OF THE SOUTHERN HALF OF THE SITE IS LOCATED IN AN "AH" FLOOD PLAIN, AS INDICATED ON FEMA FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NO. 350002 0034C, EFFECTIVE DATE OCTOBER 14, 1983. THIS ZONE IS LISTED AS AN "AREA OF 100'YEAR SHALLOW FLOODING, WHERE DEPTHS ARE BETWEEN 1 AND 3 FEET." THE BASE FLOOD ELEVATION FOR THIS AREA IS LISTED AS 4936 FEET. THERE ARE 5 ACRES BEING PLANNED FOR BUILDING IN THIS ZONE. COMPENSATORY VOLUME IS PROVIDED IN THE PROPOSED RETENTION POND.

DRAINAGE TABLE	
EXISTING CONDITIONS	Q_{6HR} = 43.14cfs
PROPOSED CONDITIONS	Q_{6HR} = 50.08cfs

LEGAL DESCRIPTION:
TRACT 198A1B, MRGCD MAP#43

LEGEND

- SWALE
- X 4935.4 — EXISTING SPOT ELEVATION
- 39.39 — PROPOSED SPOT ELEVATION
- 1.5% — PROPOSED SLOPE AND DIRECTION OF FLOW
- TREES/BUSHES
- PROPOSED PAVING
- EXISTING BUILDING
- FLOOD ZONE
- PROPOSED BUILDING



VICINITY MAP

ZONE ATLAS MAP M-12
NOT TO SCALE

0 25' 50' 100' 150'
1" = 50'

APR 2 3 1996
HYDROLOGY DIVISION

50/95023.12CD1/KCGRADE/4-9-96/KHK

REVISION	DATE	DESCRIPTION
1	4/9/96	CHANGE ENGINEER'S STAMP DATE

ALBUQUERQUE, NEW MEXICO

KIT CARSON ELEMENTARY

MASTER GRADING AND DRAINAGE PLAN

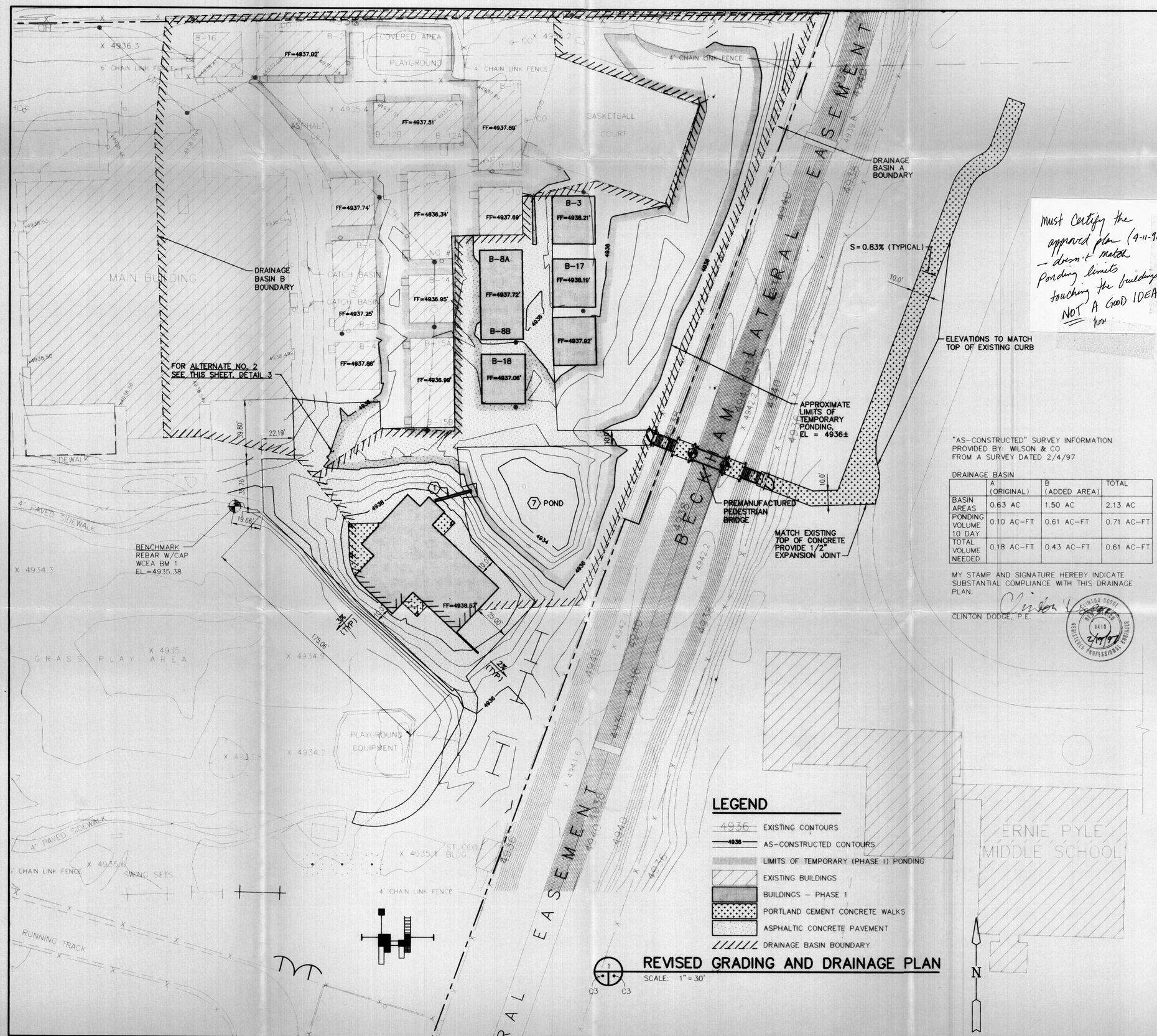
CHARLES T. BLAINE NEW MEXICO 0581 REGISTERED PROFESSIONAL ENGINEER

Charles T. Blaine 4-11-96

LEEDSHILL – HERKENHOFF, INC.
ENGINEERS ARCHITECTS
ALBUQUERQUE SANTA FE

QA RELEASE	TB
DESIGN BY	KMJ
CHECKED BY	TB
DRAWN BY	KHK
SCALE	1" = 50'
DATE	4/9/96
SEQUENCE NO.	1

LH PROJECT MANAGER: JOHN JARRARD
SHEET: 1



LEGEND

- 4936 EXISTING CONTOURS
- 4936 AS-CONSTRUCTED CONTOURS
- LIMITS OF TEMPORARY (PHASE I) PONDING
- EXISTING BUILDINGS
- BUILDINGS – PHASE 1
- PORTLAND CEMENT CONCRETE WALKS
- ASPHALTIC CONCRETE PAVEMENT
- DRAINAGE BASIN BOUNDARY

REVISED GRADING AND DRAINAGE PLAN

1 C3 C3 SCALE: 1" = 30'

GENERAL NOTES

A ASPHALT SHALL BE 2" THICK WITH 6" BASE COMPACTED TO 95% PER ASTM 1557D AND A PREPARED SUB GRADE COMPACTED TO 90% PER ASTM 1557D.

B GRADE NOT TO EXCEED 5% PARALLEL TO ACCESS ROAD ON BECKHAM LATERAL. DRIVING SURFACE MUST BE CONTINUOUS.

C CONTRACTOR RESPONSIBLE FOR ENSURING COMPLIANCE WITH MRGCD LICENSE FOR BRIDGE CONSTRUCTION AND BERNALILLO COUNTY FOR TRAFFIC CONTROL.

D FILL FOR BRIDGE AND APPROACH TO BE COMPACTED TO 95% PER ASTM 1557D, AND TO ELEVATIONS ON SHEET C4.

KEYED NOTES ⬡

(BASE BID UNLESS OTHERWISE NOTED)

1 TRENCH DRAIN WITH COVER, SEE DETAIL 2, THIS SHEET.

2 BENCH (TYPICAL OF 6) (ALTERNATE NO. 2)

3 2" PVC SLEEVE UNDER PAVING (ALTERNATE NO. 2)

4 EXTEND 3/4" WATERLINE FROM EXISTING PLAYING FIELD TO TREE WELLS. INSTALL 3/4" KING MALE-PIPE-THREADED DRAINS, OR EQUAL, AT SYSTEM LOW POINTS. ADD DRIP IRRIGATION LINES AT EACH WELL. (VALVES PER COA STD DWG 2706A, TREE WELLS PER COA STD DWG 2710.) (ALTERNATE NO. 2)

5 8' DIA CONCRETE TREE WELL, (PER COA STD DWG 2715 AND 2727) (ALTERNATE NO. 2).

6 4 ~ 2" DIA, 8' MIN HIGH HONEY LOCUST (GLEDITSIA TRICANTHOUS) (ALTERNATE NO. 2)

7 DRAINAGE POND TO BE 1.5 FEET DEEP DEPRESSION, SEEDED WITH NATIVE VEGETATION (GRASSES).

Must Certify the approved plan (4-11-96) – doesn't match Ponding limits touching the buildings? NOT A GOOD IDEA. now

"AS-CONSTRUCTED" SURVEY INFORMATION PROVIDED BY: WILSON & CO FROM A SURVEY DATED 2/4/97

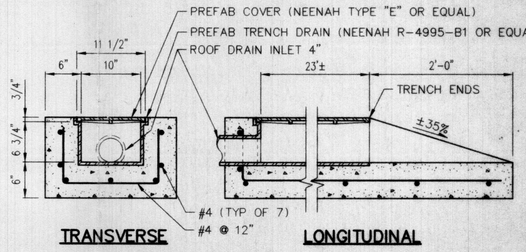
DRAINAGE BASIN

	A (ORIGINAL)	B (ADDED AREA)	TOTAL
BASIN AREAS	0.63 AC	1.50 AC	2.13 AC
PONDING VOLUME 10 DAY	0.10 AC-FT	0.61 AC-FT	0.71 AC-FT
TOTAL VOLUME NEEDED	0.18 AC-FT	0.43 AC-FT	0.61 AC-FT

MY STAMP AND SIGNATURE HEREBY INDICATE SUBSTANTIAL COMPLIANCE WITH THIS DRAINAGE PLAN.

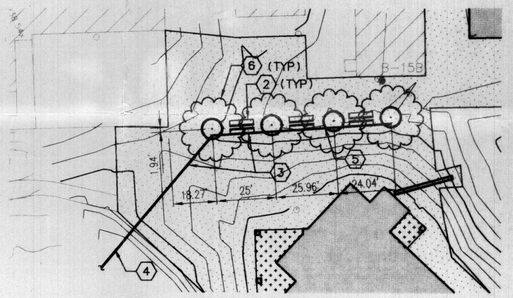
CLINTON DODGE, P.E.

CLINTON DODGE NEW MEXICO 8418 REGISTERED PROFESSIONAL ENGINEER 2/19/97



TRENCH DRAIN DETAIL

2 C3 C3 SCALE: 1" = 1'-0"



ALTERNATE NO. 2 DETAIL

3 C3 C3 SCALE: 1" = 30'

0 6" 1' 2' 3'
1" = 1'-0"

0 10' 30' 60' 90'
1" = 30'

30/95023_11\DWG\C\KCP1GRDA/2-19-97/KHK

REVISION	DATE	DESCRIPTION
1	2/14/97	REVISED GRADING, ADDED NOTES – "AS-CONSTRUCTED"

KIT CARSON ELEMENTARY SCHOOL

GYMNASIUM FACILITY

REVISED PHASE I GRADING AND DRAINAGE PLAN

LEEDSHILL – HERKENHOFF, INC.
ENGINEERS ARCHITECTS
ALBUQUERQUE SANTA FE

LH PROJECT MANAGER

SHEET C3A OF 4

QA RELEASE	CD
DESIGN BY	KJ
CHECKED BY	CD
DRAWN BY	KHK
SCALE	1" = 30'
DATE	MARCH 96
SEQUENCE NO.	5