

DATE SUBMITTED: 05-26-93

PERMIT NO. 45224

FEE \$ 0.00

# PLANNING CLEARANCE

GRAND JUNCTION COMMUNITY DEVELOPMENT DEPARTMENT

BLDG ADDRESS Lincoln Park, Grand Sect. CO SQ. FT. OF BLDG: 1,280 SF

SUBDIVISION 1402 Garrison SQ. FT. OF LOT: \_\_\_\_\_

FILING # \_\_\_\_\_ BLK # \_\_\_\_\_ LOT # \_\_\_\_\_ NO. OF FAMILY UNITS: \_\_\_\_\_

TAX SCHEDULE # 2945-132-00-945 NO. OF BUILDINGS ON PARCEL BEFORE THIS PLANNED CONSTRUCTION: \_\_\_\_\_

OWNER City of Grand Junction USE OF EXISTING BUILDINGS: Shop bldgs

ADDRESS 250 North 5th St.

TELEPHONE: Mark R. Smith 244-1532 DESCRIPTION OF WORK AND INTENDED USE: Furnish and erect new metal structure for golf equipment storage.

REQUIRED: Two plot plans showing parking, landscaping, setbacks to all property lines, and all streets which abut the parcel.

### FOR OFFICE USE ONLY

ZONE PZ FLOODPLAIN: YES \_\_\_\_\_ NO \_\_\_\_\_

SETBACKS: FRONT 65' 4" GEOLOGIC HAZARD: YES \_\_\_\_\_ NO X

SIDE 10' REAR 10' CENSUS TRACT: 7 TRAFFIC ZONE: 37

MAXIMUM HEIGHT 65' PARKING REQ'MT \_\_\_\_\_

LANDSCAPING/SCREENING REQUIRED: \_\_\_\_\_ SPECIAL CONDITIONS: \_\_\_\_\_

Modifications to this Planning Clearance must be approved, in writing, by this Department. The structure approved by this application cannot be occupied until a Certificate of Occupancy is issued by the Building Department (Section 307, Uniform Building Code).

Any landscaping required by this permit shall be maintained in an acceptable and healthy condition. The replacement of any vegetation materials that die or are in an unhealthy condition shall be required.

I hereby acknowledge that I have read this application and the above is correct, and I agree to comply with the requirements above. Failure to comply shall result in legal action.

Kevin T. Andrew  
Department Approval

Cindy L. Patton  
Applicant Signature

5/26/93  
Date Approved

05/26/93  
Date

VALID FOR SIX MONTHS FROM DATE OF ISSUANCE (Section 9-3-2 D Grand Junction Zoning & Development Code)



**KELCO**  
General Contractors

**LETTER OF TRANSMITTAL**

P.O. Box 55065, Grand Junction, Colorado 81505 (303) 245-9343 Fax (303) 245-5090

May 26, 1993

City of Grand Junction  
250 North 5th Street  
Grand Junction, CO

Re: Planning Clearance Application for  
City of Grand Junction - Lincoln Park -  
New Metal Storage Shed, 32' x 40' x 12'  
Kelco Job No. 1108

Attn: Planning Dept.

No. of Copies	Title or Description
1	Planning Clearance Application for above referenced job
1	Engineered Stamped Foundation Plan for above referenced job
1	Site Plan submitted to Kelco by City of Grand Junction
1	Set of Specifications supplied by the City of Grand Junction for above referenced job

Remarks:

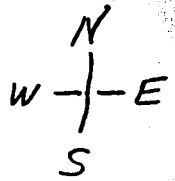
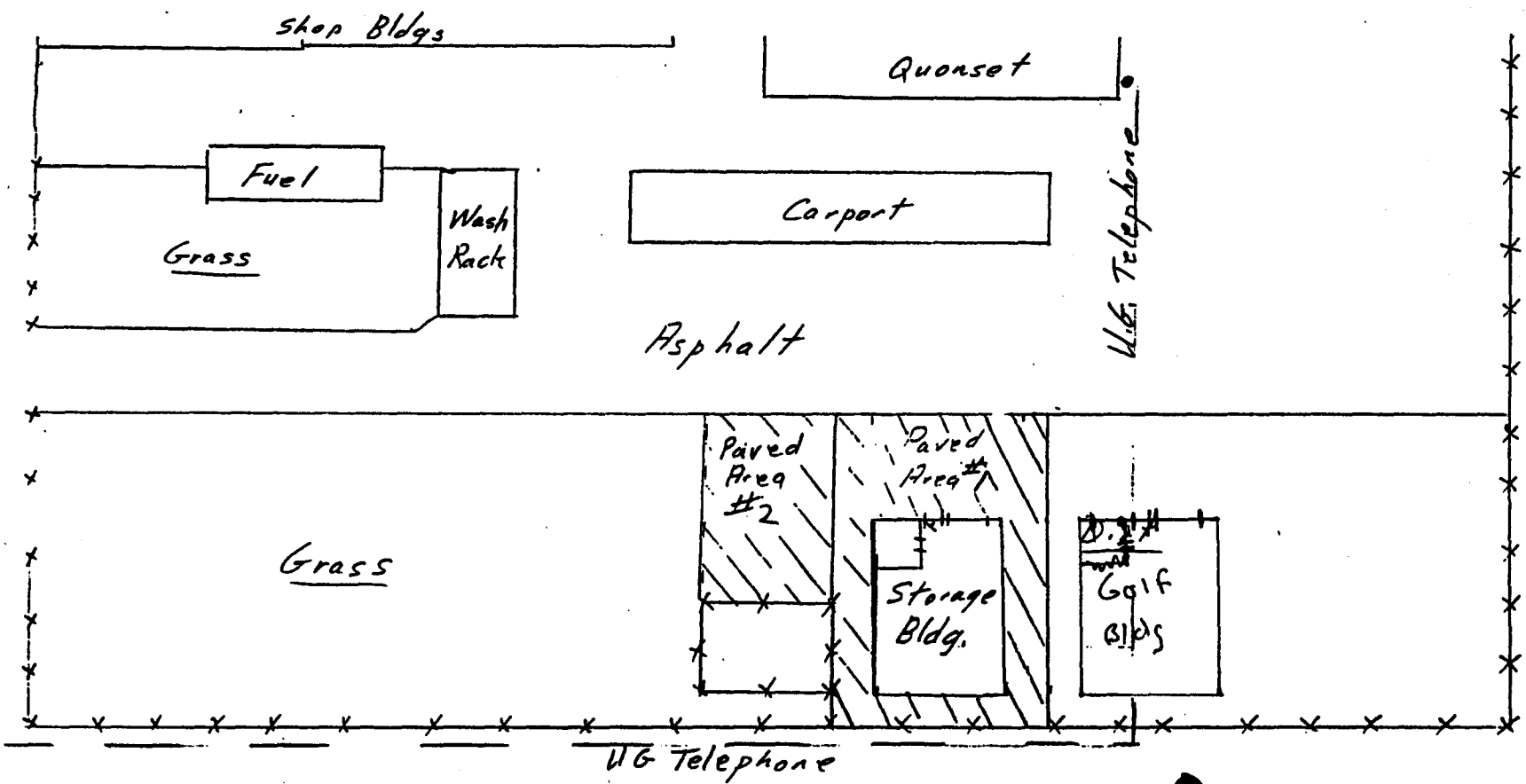
If you have any questions pertaining to the above referenced structure, please call Mr. Mark R. Smith, City of Grand Junction Purchasing Dept., at 244-1532.

Thank you,

Kelco General Contractors

By: *Craig Pattusa*  
Title: *Administrative Asst.*

BID #42-93  
METAL STORAGE Bldg.



ACCEPTED KKA 5/26/93  
 ANY CHANGE OF SETBACKS MUST BE APPROVED BY THE CITY PLANNING DEPT. IT IS THE APPLICANT'S RESPONSIBILITY TO PROPERLY LOCATE AND IDENTIFY EASEMENTS AND PROPERTY LINES.

Golf Equipment STORAGE  
 [Redacted]  
 Site Plan

1" = 40'

**JOB SITE**

BID 42-93 : REQUESTS BIDS ON METAL STORAGE BUILDING ALMOST IDENTICAL TO EXISTING, NEIGHBORING STORAGE BUILDINGS. NO PAVING REQUIRED.

OS-26-93

Submitted to City Planning, Grand Junction, CO

By Kelco

P.O. Box 55065

Grand Junction, CO

Re: Lincoln Park Equip. Shed  
32' x 40' x 12'

## SPECIFICATIONS

CITY OF GRAND JUNCTION  
BID NO. 42-93  
METAL STORAGE BUILDING - L

I. BUILDING DESCRIPTION

- A. The building shall be a wide-span Butler type or other preapproved, pre-engineered steel building. The nominal dimensions shall be 32 width x 40 x 12 feet in height to accommodate 10' x 10' overhead doors.

II. BUILDING CODE/LOAD DESIGN

- A. The building shall conform to the 1988 edition of the Uniform Building Code 30 pound live/snow load and a wind load of 30/70 B.

III. FOUNDATION & CONCRETE SLAB

- A. The foundation and concrete slab shall be designed and stamped by a Colorado Certified Engineer using the owner supplied soils evaluation. Slab elevation shall be agreed upon by Parks Manager or designated representative.

IV. PRIMARY FRAMING

- A. The primary frames shall be of a rigid frame design capable of spanning the building width without intermediate post.
1. All frames shall consist of welded-up plate sections to form columns and roof beams for bolted field assembly.
    - a. All base plates, cap plates, compression/splice plates, and stiffener plates shall be factory welded in place with certified welders.
    - b. Columns and roof beams shall be factory punched for the attachment of secondary structural and bracing except for minor field work as noted on Butler's erection drawings.
  - 2. All bolts for field assembly of frame members shall be high strength bolts.
- B. Endwall Frames
1. Frames shall consist of cold formed C sections with corner post, endwall post spacing as per manufacturer's specified spacings, and roof beams.
- C. Bracing
1. Longitudinal bracing shall consist of threaded base rods between rigid frames in both the sidewall and the roof.
  2. Transverse bracing of the end frames shall consist of threaded brace rods installed between two endwall post.

D. Overhead Door & Openings

1. Overhead door openings shall accept two (2) locking insulated overhead doors measuring 10' wide x 10" high and shall be framed with galvanized header and post. Flat black drip gutter and post flashing shall be provided.

V. SECONDARY FRAMING

A. Roof Purlins

1. Purlins shall be 9-1/2" Z shaped, precision roll formed members.
2. Outer flanges shall contain factory punched holes for panel fasteners.
3. Purlin spacing shall be a nominal 5" on the horizontal projection.
4. Purlin braces shall be installed to parallel and align the roof purlins.

B. Wall Girts

1. Girts shall be 8" Z shaped, precision roll formed members.
2. Outer flanges shall contain factory punched holes for panel fasteners.
3. Girt spacing shall be 7"-6" to the first girt to allow installation of windows and doors below the girt. If additional girts are required, they will be spaced according to Butler's erection drawings and the columns and posts shall be factory punched for their proper location.

C. Base Angles

1. Base angle shall be provided to anchor the panel at the base. It shall contain factory punched holes for panel fasteners.
2. Base angle shall be anchored to the foundation with 1/2" x 6" anchor bolts preset in the concrete foundation.

D. Gable Angle

1. Gable angle shall be provided for panel attachment at the gable.
2. Gable angle shall contain factory punched holes for panel fasteners.

E. Flange Braces

1. Flange braces shall be installed from roof purlins to the bottom flange of the roof beams to prevent twisting of the roof beams under loads.

## VI. PANELING

### A. General

1. Unpainted panel shall be 80,000 psi "galvalume" with a 20 year warranty against perforated corrosion holes.
2. Painted Panel
  - a. The painted panel shall be G-90 galvanized steel with a chemical conversion treatment prior to painting.
  - b. The standard painted panel shall be a Butler Tone Silicone-Polyester Finish System with 50% of the solids silicone. It shall have a ten year warranty against chalking, fading, chipping, peeling, cracking, or blistering.
  - c. Alternated painted panel shall have the Butler-Cote 500 FP coating system. The Butler-Cote 500 FP coating is a fluoropolymer containing 70% Kynar 500 resins. It shall have a 20 year warranty against fading, chalking, blistering, peeling, chipping or cracking.
  - d. Color: color shall match neighboring storage building.

### B. Wall Paneling

1. The standard wall paneling shall be Butlerib-II with 1 1/2" deep corrugation on 13" centers with two minor corrugations between the major corrugations.
  - a. Wall panels shall be 28 ga.
  - b. Panel ends shall be factory-punched for panel to structural fasteners, matching prepunched secondary structurals.
  - c. Base of panels shall overlap the concrete foundation 5/8" and the corrugations shall be closed with pre-formed metal and foam closures.
  - d. The underlapped corrugations shall have a pre-formed sealant/drain groove.

### C. Roof Paneling

1. The standard roof paneling shall be Butlerib-II, with 1 1/2" high major corrugations on 12" centers with two minor corrugations between the major corrugations.
  - a. The standard roof paneling shall be 28 ga. Galvalume with a U L 60 uplift classification.
  - b. Roof panels shall be factory punched at the ends to match the punching in the secondary framing. The under lapped ends of panels shall have 3/4" slots, factory punched at all end laps to allow for thermal expansion and contraction.
  - c. The ridge panel shall be a die formed ridge with the same configuration as the roof panel.

D. Weathersealing

1. All sidelaps and endlaps shall be sealed with a weather sealing compound pre-formed in beads.
2. The sealing compound shall be 100% solids - no solvents.

VII. FASTENERS FOR BUTLERIB-II PANELING

A. Panel to structural fasteners

1. Fasteners shall be 11/32" diameter scrubolts with steel backed neoprene washers.

B. Panel to panel fasteners

1. Standard panel to panel fasteners shall be #14 sheet metal screws with steel back neoprene washers.
2. Alternate panel to panel fasteners shall be self-clinching aluminum alloy lock rivets with neoprene washers.

C. Fastener Coating

1. Steel fasteners shall be galvanized with .00050" thick zinc plating with a cromate dip.
2. Color caps shall be installed on painted buildings matching the color of the paneling.

VIII. ACCESSORIES

A. Personnel Doors

1. Hollow Metal Door

- a. Doors shall be 3' x 7'.
- b. Door leaf shall be 20 ga. hot dipped galvanized steel, prime painted beige color.
- c. Door shall be equipped with weather sealing at base and jambs.
- d. Door shall be equipped with Slate Black painted trim parts.

B. Windows

1. There are NO windows planned for this structure.

C. Insulation

1. Walls and roof shall have a minimum of 3" of white vinyl-backed Metal Building Insulation installed between the exterior panel and the secondary structural members. Insulation shall be stapled, glued, taped, or otherwise sealed to complete the vapor barrier. PVC trim strips shall be used at all insulation side laps.



D. Wall Liner Panel

1. Liner panel shall be complete around perimeter except through openings. Liner panel shall be 8' high steel, white in color and of at least 28 gauge. Liner package shall also include one (1) additional girt in the sidewall at 4". Liner shall be attached with self drilling screws. All openings and corners shall be completely trimmed and flashed

E. Locks

1. The City uses Best brand locks with interchangeable cores and will provide two 2 3/4" backset cylindrical locks for the personnel doors and one rim cylinder for the overhead door. Other hardware to be supplied by contractor.

IX. ELECTRICAL

- A. All electrical and HVAC will be installed under an independent contract. The building contractor will coordinate with the Parks Manager of designated representative so that underground feeds and rough-ins can be installed at the appropriate stage of construction.

X. UNDERGROUND UTILITIES

- A. The Contractor shall be responsible for obtaining the location of any buried cable, sewers, water lines or other utilities that might be located within the affected work areas.

XI. HEATING

- A. The contractor shall install a 75 MBH Renzor FE 75 heating system or equivalent. Contractor shall be responsible for all hook-ups from existing gas line.

This report is  
representative of Lincoln  
Park and has been used  
for several projects.

GEOTECHNICAL INVESTIGATION  
LINCOLN PARK SWIMMING POOL  
GRAND JUNCTION, COLORADO

F.Y.I.

RE: Soil Condition

Job # 782088

Prepared for: C-E Maguire  
760 Horison Drive  
Grand Junction, Co. 81501  
February, 1979

## TABLE OF CONTENTS

INTRODUCTION	PAGE 1
PROPOSED CONSTRUCTION	PAGE 1
SUB SOILS	PAGE 1
FOUNDATIONS	PAGE 1
DRAINAGE	PAGE 2
GENERAL INFORMATION	PAGE 3

## INTRODUCTION

This report summarizes the results of our field and laboratory investigations to date for the Lincoln Park Swimming Pool (see Figure #1 through #3 and Table #1). Our final recommendations will require more detailed knowledge of the finished design.

## PROPOSED CONSTRUCTION

We understand that the proposed thin aluminum swimming pool will be 2 feet deep at the shallow end and 14 feet deep at the deep end. The deep portion of the pool is to be located where TB 2 was drilled (see Figure #1).

For the purpose of our analyses, we assumed maximum loads of 850 psf for the deep end. If final designs vary from these assumptions, we should be contacted to permit re-evaluation of our recommendations.

## SUB SOILS

Beneath the topsoil or gravel surface, we encountered moist silty clay, becoming wet and soft at 5 to 6 feet. The wet silty clay extended all the way to the cobbles at about 45 feet.

Both test bores caved at about 8 feet making it impossible to measure to a free water surface. The depth of caving and the moisture content of the soil suggest that the water table was just below 8 feet in depth.

## FOUNDATIONS

Standard penetration tests performed in the field and unconfined compression tests performed in the laboratory showed the natural wet silty clays to have a very low bearing capacity of 600 psf with the possibility of local weaker spots. The required 850 psf for the deep end of the pool cannot be guaranteed and some method will have to be found to transmit all or some of the load

to a stronger soil stratum.

Settlement calculations, assuming an even distribution of the load and using test results for similar soil from a previous soils report (Armstrong Engineers, #771465) show that the deep end may settle as much as 3 inches.

We recommend that either some or all of the load for the deep end should be supported by piles driven to refusal in the cobbles. The shallow portion of the pool may be supported upon a gravel pad placed over the natural silty clays. However, because of the poor load bearing capabilities of even the near surface soils and the danger of differential settlement, we would prefer to see the entire weight of the pool supported by piles.

Should you wish to use a combination of foundation types, we will require more detailed plans for the pool and its exact location.

#### DRAINAGE

A system of deep drains may be necessary to keep the water table below the bottom of the pool, otherwise, there could be uplifting of the pool when it is emptied. The groundwater level should be monitored by an observation well to determine what type of drainage controls should be installed.

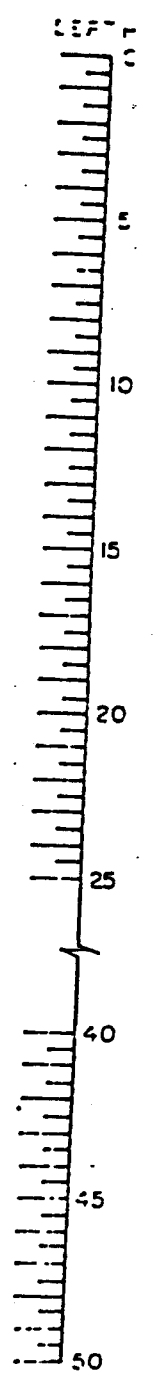
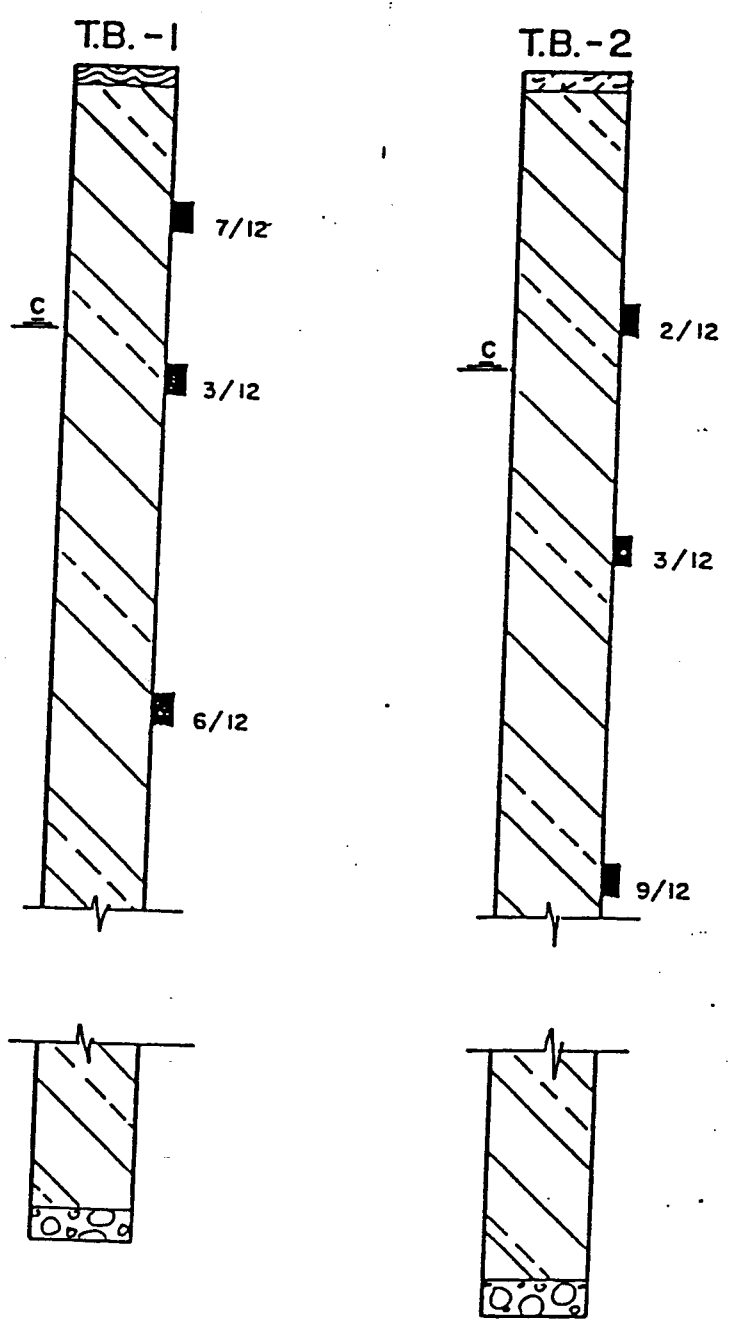
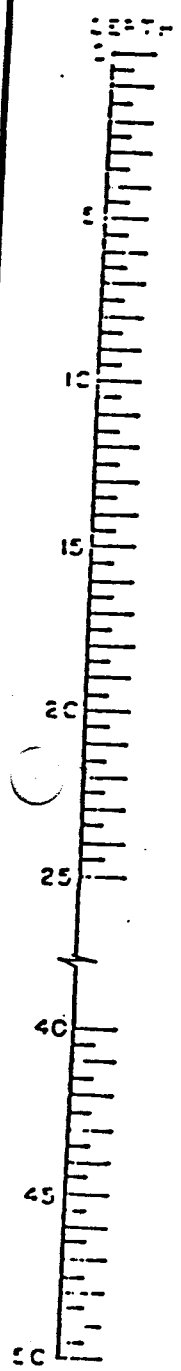
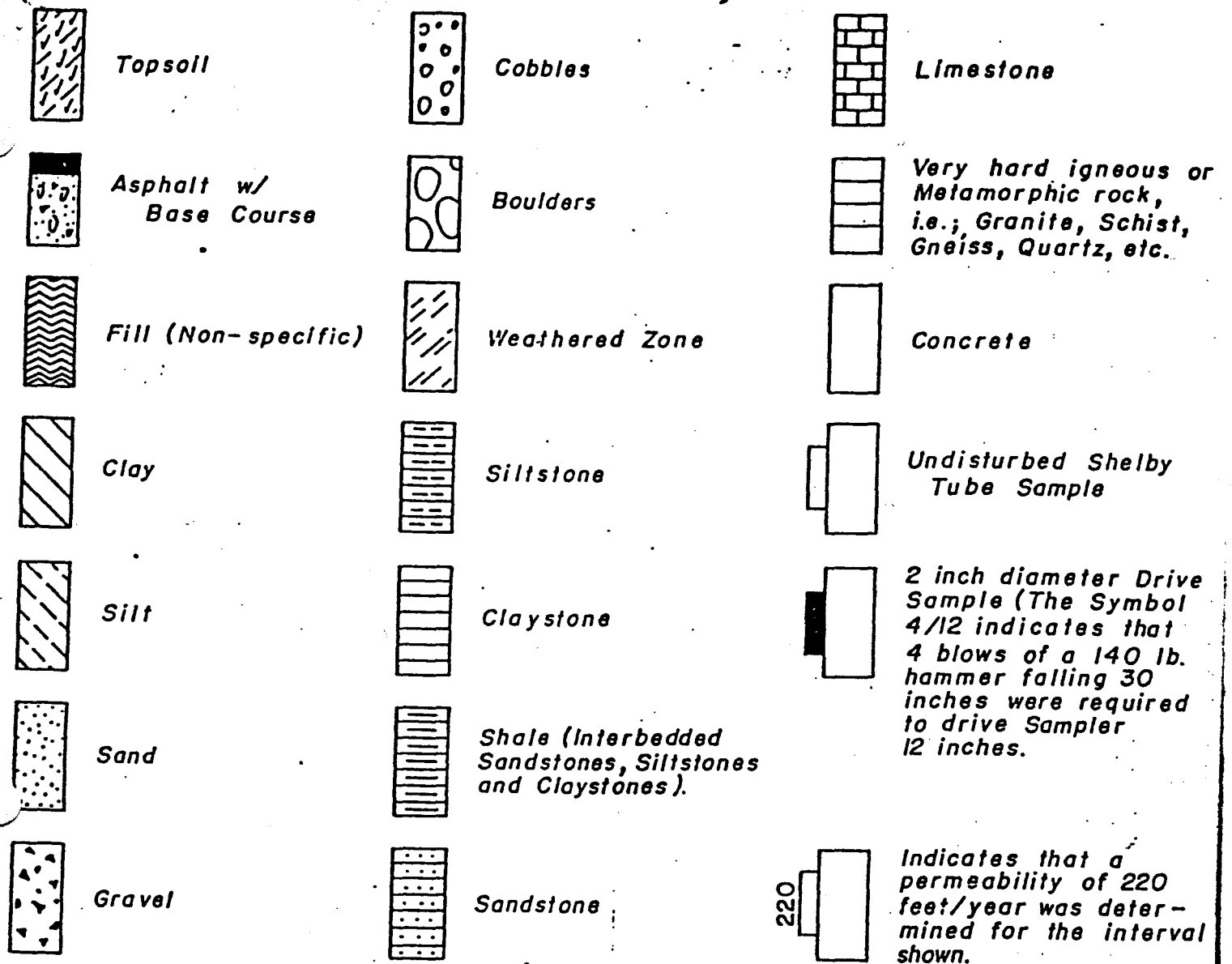


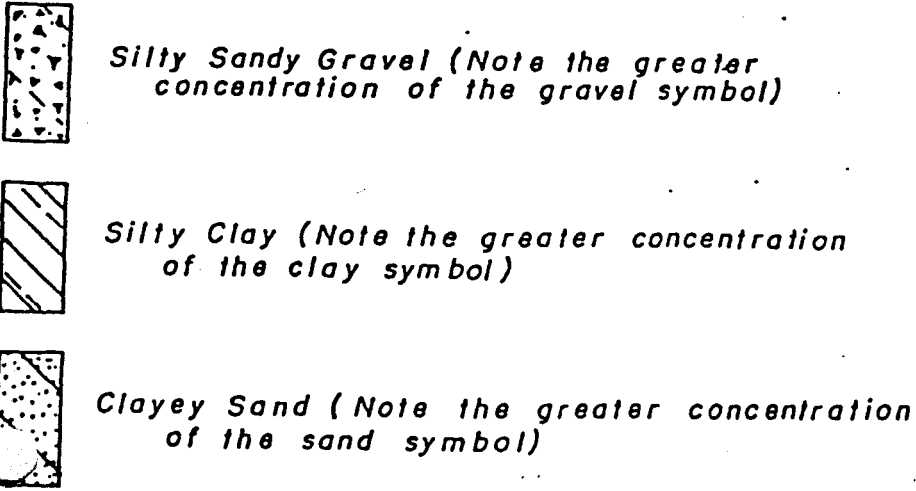
FIGURE 2.

	<b>ARMSTRONG ENGINEERS</b> ENGINEERING - SURVEYING CONCRETE & SOILS TESTING	
	AS SHOWN	<b>LINCOLN PARK POOL</b> GEOTECHNICAL INVESTIGATION
	2/15/79	
	KLF	<b>SHEET 2 of 2</b>
MPB		
12/21/78	JOB NUMBER	782088



COMBINED SYMBOLS INDICATE THAT THE SOIL IS COMPOSED OF MORE THAN ONE SOIL TYPE.

EXAMPLES:



 Practical Rig Refusal

 5 Water Table and number of Days after Drilling


 C Hole caved in at depth Indicated

FIGURE No. 3

ARMSTRONG ENGINEERS  
ENGINEERING - SURVEYING  
CONCRETE & SOILS TESTING

GENERAL INFORMATION

This report is preliminary and may be used for design purposes only if the entire weight of the pool and its contained water is to be supported by driven piling. The field investigation, analyses and composition of this report has been conducted by Mr. Michael Burke.

ARMSTRONG ENGINEERS & ASSOCIATES, INC.

By Andrew A. Porter  
Andrew A. Porter, P.E.  
Chief-Geotechnical Division

Approved By

Edward A. Armstrong  
Edward A. Armstrong, P.E.