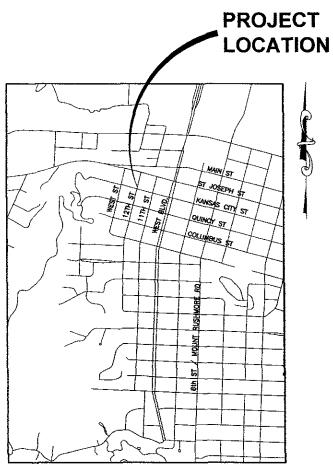
# EARLY FOUNDATIONS CHILD CARE CENTER

## 1123 KANSAS CITY STREET RAPID CITY, SOUTH DAKOTA

LEGAL DESCRIPTION:

LOTS 19-24 OF BLOCK 9. BOULEVARD ADDITION. SECTION 2, T1N, R7E, B.H.M., RAPID CITY

PENNINGTON COUNTY, SOUTH DAKOTA



NOT TO SCALE

RECEIVED **PROJECT LOCATION MAP** 

APR 2 7 2010

## INDEX OF SHEETS:

C1.0 COVER SHEET

**EROSION CONTROL PLAN AND DETAILS** 

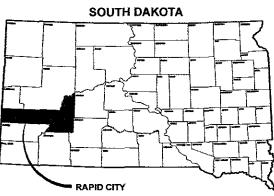
**EXISTING SITÉ PLAN & DEMO PLAN** 

PROPOSED SITE PLAN

NOTES AND DETAILS

**DETAILS** 

SEE ARCHITECTURAL SHEET T1 FOR LANDSCAPE AND PARKING CALCULATIONS.



ONE CALL BEFORE DIGGING 1-800-781-7474





EARLY FOUNDATIONS CHILD CARE CENTER 1123 Kansas City Blvd Rapid City, SD



Jenny Dzy 1123 Kansas City Rapid City, SD 57701

Erosson Control Consultant

Advanced Engineering & Surveying, Inc. 3421 West Main Street Rapid City, SD 57702 605-718-8825

Project Description
The project consists of a 21,000 Sq.Ft. parcel of which is fully developed. Abuilding remodel is planted, a new entrance with turns, site grading and paving of alley

The project is located in the SE Quadrant of Kansas City & 12th streets or 1123 Kansas City street. City of Rapid City, Pennington County, South Dakota.

The project includes Building Remodel, fencing and outdoor play area, Addition of an entrance from Kansac City street, minor site grading to install entrance and at alley, and paying of the gravel alley

Existing Site Conditions The site is currently developed and is 100 % asphalt, roof, gravel or grass

The site is relatively flat across the developed area. The site generally drains from

There are no wetlands located on the site. The site draws to city streets and thru to municipal storm serwer

Adjacent Areas
The site is generally bounded by Central Business property and Residential Property

Soils Predommant soils are loam,  $0\,\%$  to 2% slopes.

Area
It is anticipated that approximately Sq Ft. will be disturbed during import grading operations during construction. The grading will be lumited to the parking for and the Alley. Excavation will be limited to removal of existing sophelt, gravel, and debris, and mutor grading. The proposed grades will generally follow the existing grades.

Erosion Control Measures
Erosion and Sediment Control Measures will consist of the following Straw Wattles / Silt Feace - along the perimeter of construction Construction Site Nonstructural Control Measure

Soil Control Practices

Chernical and Petroleum Product spills of toxic or hazardous material shall be reported to the appropriate state or local government agency. All spills shall be cleaned up manediately after discovery.

Spill Prevention
Petiolism Products On-site construction equipment shall be mountered for leaks & receive regular preventive maintenance. Concrete tracks shall be allowed to wash only at designated areas or be required to return to the plant for members.

Regularly pick-up and dispose of garbage and waste material.
Routnuly inspect equipment and processes for leaks or conditions that could lead to discharge of chemicals or counted of sorm water with raw materials, intermediate materials, waste materials, or products used on-site

Assure all spili clean up procedures are understood by employees. Training of employees on proper clean up procedures shall be implemented

Clean up leaks, drips, and other smills immediately

Cover and maintain duministers and waste recentacles.

Assign responsibility of hazardous material inventory to a himited number of people who are trained to handle such materials. In the event of spills of any dangerous or hazardous material, notify City Public Works Department

In fueling areas, clean up spills with dry clean up methods (absorbents)

Make sure employees are trained in spill prevention practices and adhere to

These items shall be installed as per City of Rapid City standard details and

Denatering
If water from temporary dewatering shall be discharged to water of the state
during construction, Contractor must first get coverage under DENR's General
Perunt for Temporary Dewatering For more information, contact Al Spanigler
at (605) 773-3351

Soil Surfacing Stabilization Practices

After construction begins, soil surface stabilization shall be applied within 14 days to all disturbed erest that may not be at final grade but will remain domaint (undisturbed) for periods longer than 21 estimated days. Within 14 days after final grade is trached on any portion of the site, permanent or temporary soil surface stabilization shall be applied to disturbed areas and soil stockpiles.

Turne Schedule
Install pennieler straw wattles prior to beginning construction

Construction is anticipated to begin in the spring 2010 and be completed by fall  $2010\,$ 

Removal of Erosion Control Measures - upon final stabilization

Permanent Stabilization

Areas not paved will have permanent landscaping developed as shown in the landscaping. Plan (See Architectural Sheets).

Emisian control will be montained until final stabilization is achieve

Storm Water Management Considerations
Storm Water run-off will essentially be the same following of

During construction, applicable BMP's will be utilized. Storm water will flow to the developed streets and utility to municipal storm sewer. Storm water will ultimately flow to the same downstream location after construction as it did before construction.

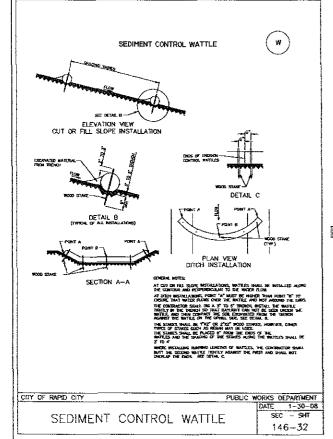
Manatemate
Inspection of Erosion and Sediment Control Measures should be scheduled weekly
and following my storm event of 0.5 unches or greater. All measures will be
maintained in good working order. Inspection and maintenance procedures will
continue until all desturbed greek have reached final stabilization.

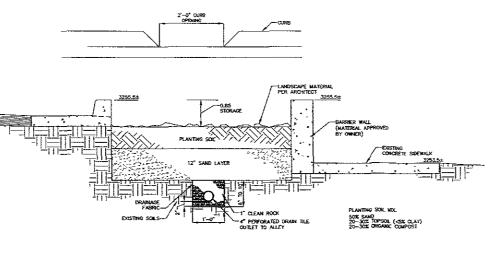
Paved streets adjacent to the site shall be cleaned at the end of each working day to remove sediment buildup from construction activities.

Erosion and Sediment Centrol Plan Certification
The Erosion and Sediment Centrol nurrative and attached Erosion and Sediment
Control Plan, poperas to failful the technical centran and the criteria for erosion
control and the requirements of the City of Rapid City. I understand that additional
Erosion and Sediment Centrol Measures may be needed if unforester erosion
problems occur or if the submitted plan does not function as untended. The
requirements of this plan shall are with the land and be the obligation of the
responsible purty until such time as the plan is properly completed, modified or
vonded.

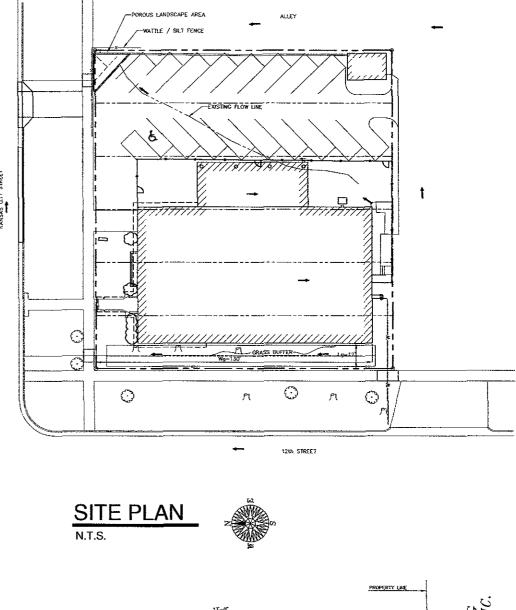
4-27-2010

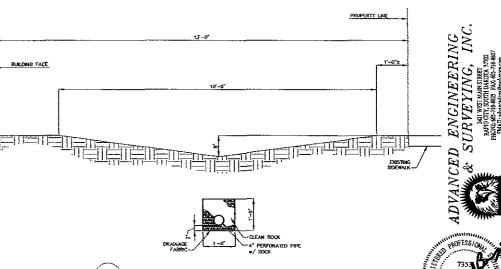






POROUS LANDSCAPE DETENTION





EARLY FOUNDATIONS CHILD CARE 1123 Kansas City Blvd Rapid City, SD Control Plan Erosion (

C20 GGH RAB Apil 2010 19 NOT 24'x36'

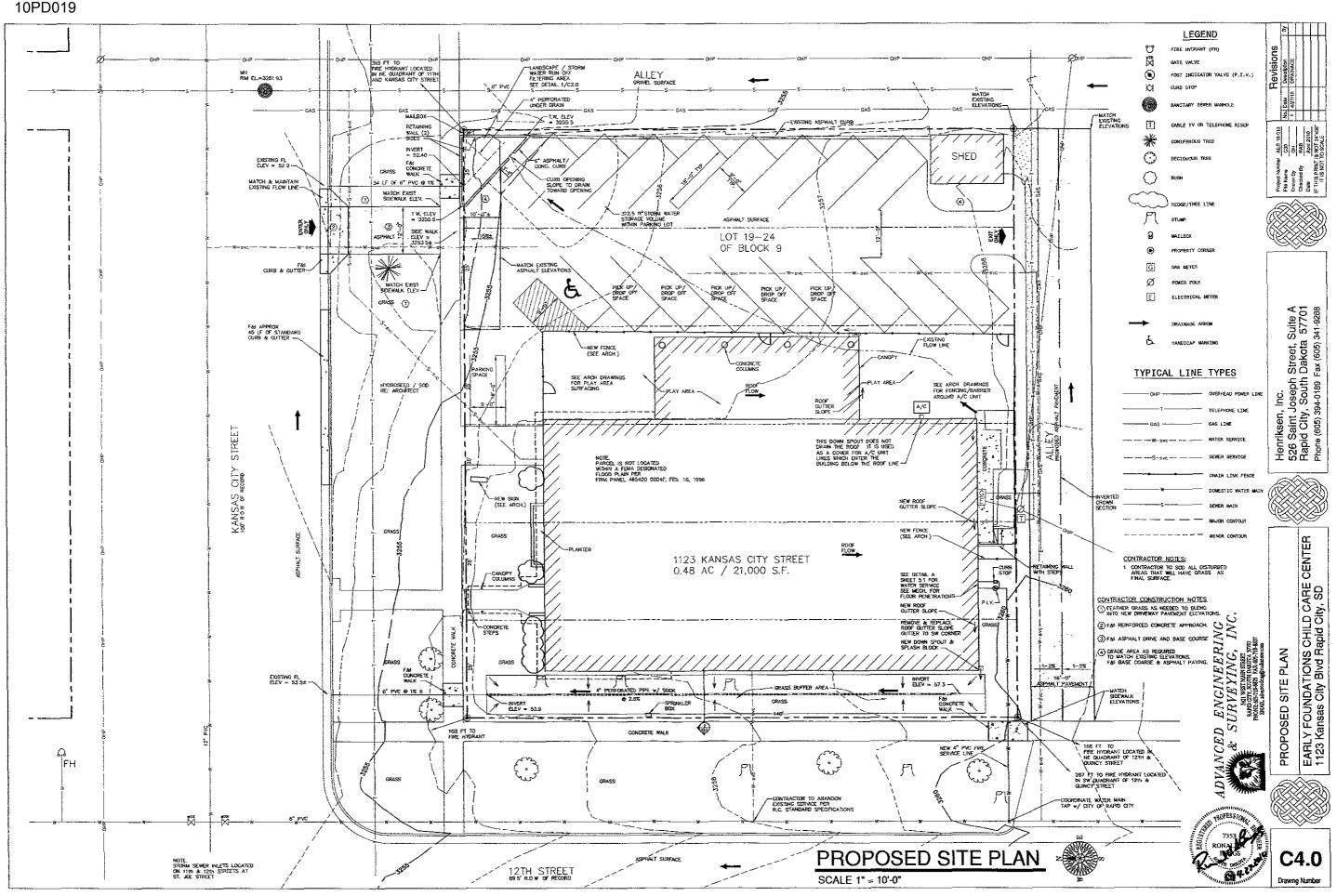
Suite A 3 57701 341-9288

Street, S Dakota Fax (605) 3

Henriksen, Inc. 526 Saint Joseph S Rapid City, South E Prone (605) 394-0189 Ft

CENTER

Drawing Number



### **GENERAL NOTES:**

CITY OF APIG CITY STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2007 EDITION, REQUIRED PROVISIONS, SUPPLEMENTAL SPECIFICATIONS AND/OR SPECIAL PROVISIONS AS PER PLANS AND PLAN MOTES EXCEPT AS NOTED: ALL BACK FILL SHALL BE FREE FROM CINDERS, ASHES, HEIVER, YESTABLE OR ORGANIC MATERIAL, BOULDESS, ROCKS OR STONES, OR OTHER MATERIAL WHICH THE EMMINER DETERMINES TO BE UNSULTABLE. STONES LARGER THAN THREE INCHES (3°) IN DIAMETER SHALL NOT BE PLACED WITHIN TWO FEET (2°) OF THE TOP OF THE SANITARY WATER PIPE.

PERMITS:
IF WATER FROM TEMPORARY DEWATERING WILL BE DISCHARGED TO WATERS OF THE
STATE DURING CONSTRUCTION, CONTRACTOR MUST FIRST GET COVERAGE UNDER THE
SCHER'S GENERAL PERMIT FOR TEMPORARY DEWATERING. FOR MORE INFORMATION
CONTACT SCHERAL TERMIT FOR TEMPORARY DEWATERING. FOR MORE INFORMATION
CONTACT SCHERAL STREAM TOSCHERAL STREAM WATER PERMIT AS
REQUIRED. CONTACT SCHERAL AT 1-800-757-8686 FOR MORE INFORMATION. THE CONTRACTOR WILL ALSO BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS

GENERAL NOTES:
IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD INSPECT THE PROJECT LIMITS
PRIOR TO BYDOING AND DETERMINE SIZE, NUMBER, AND LIMITS OF VISIBLE
OSSIBUCTIONS WHICH ARE TO BE REMOVED, RELOCATED OR SALVAGED INCLUDING
TREES, UTILITIES, ETC. ALL DISTURBED AREAS SHALL BE RESTORED TO THEIR
ORIGINAL COMDITION AFTER TRENCHING AND BACK FILL DISTURBED GRASS AREAS
SHALL RECIEVE 65 TOPSOIL AND SOD, CLASS C FLY ASH SHALL NOT BE PERMITTED
IN CONCRETE PLACED IN DIRECT CONTACT WITH SOIL.

CONSTRUCTION LIMITS:
IN GENERAL, THE CONSTRUCTION LIMITS FOR THE PROJECT SHALL BE DEFINED AS FOLLOWS PROPERTY LINES, RIGHT-OF-WAY (ROW) LINES AND EXISTING UTILITY EASEMENT LINES SHALL BE THE CONSTRUCTION LIMITS UNLESS INDICATED EASEMENT LINES SHALL BE THE CONSTRUCTION LIMITS UNLESS INDICATED OTHERWISE ON THE DRAWINGS, CONTRACTOR SHALL CONFINE CONSTRUCTION WORK WITHIN THE CONSTRUCTION LIMITS DEFINED. CONSTRUCTION ACTIVITIES SHALL BE RESTRICTED TO THE CONSTRUCTION LIMITS UNLESS PRICE APPROVAL IS RECEIVED FROM THE ENGINEER USE OF CITY LANDS FOR STACING AREAS, MATERIAL STORAGE, SEDIMENTATION PONDS, DEWATERING AND/OR TOPSOIL STOCKPILING SHALL ONLY DE WITH PRIOR WRITTEN APPROVAL FROM THE ENGINEER. ANY DAMAGES AND RESTORATION OUTSIDE THE CONSTRUCTION LIMITS SHALL BE AT THE CONTRACTOR'S

GRADING AND TRENCHING OPERATIONS:
THE CONTRACTOR SHALL BE RESPONSIBLE TO INSURE THAT ALL EXCAVATION,
TRENCHING AND SHORING, AND THE LIKE SHALL BE PERFORMED IN A MANNER THAT
MEETS WITH THE OSHA DEPARTMENT OF LABOR, SAFETY AND HEALTH REGULATIONS

EROSION CONTROL: EROSION CONTROL SHALL BE AS CALLED FOR ON THE PLANS. SPECIFIC SITE EROSION CONTROL SHALL BE AS CALLED FOR ON THE PLANS, SPECIFIC SITE CONDITIONS MAY REQUIRE REVISION TO THE SPECIFIC CONTROL MEASURES AS DEGMED NECESSARY BY THE ENGINEER, ALL CONTROL MEASURES SHALL UTILIZE BEST MANAGEMENT PRACTICES ENGISION CONTROL WILL GENERALLY CONSIST OF SILT FENCE AND/OR WATTLES. MAINTENANCE: AFTER SIGNIFICANT RUMOFF EVENTS, THE CONTRACTOR SHALL INSPECT ALL ROSION CONTROL STRUCTURES FOR SILT BUILD UP. THE CONTRACTOR SHALL NEED WE ALL SILT BUILD UP THAT INTERFERES WITH THE PERFORMANCE OF THE EROSION CONTROL STRUCTURES. STORM DRAIN KINETS IN THE IMMEDIATE CONSTRUCTION AREA SHOULD BE PROTECTED FROM SEDIMENT RUMOFF.

UTILITIES:
EXISTING UTILITY LOCATIONS SHOWN ARE APPROXIMATE. CONTRACTOR SHALL EXISTING UTILITY LOCATIONS SHOWN ARE APPROXIMATE. CONTRACTOR SHALL VERIFY LOCATIONS A DEPTH OF ALL EXISTING UTILITY LINES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CONTACT SO ONE CALL AT 1.800-781-7474 72 HOURS PRIOR TO BEGINNING ANY EXCAVATION OR TRENCHING FOR UTILITY LOCATES. THE CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION OF ALL UNDERGROUND UTILITIES WHETHER OR HOT SHOWN ON THESE DRAWINGS. ANY UNDERGROUND UTILITIES THAT ARE ENCOUNTERED AND SEVERED OR OTHERWISE HAMAGED CAULT OR THE THE THAT ARE ENCOUNTERED AND SEVERED OR OTHERWISE ONDERSOORD UTILITIES INGI ARE ENCOUNTERED AND SYCHETO BY OTHERWISE DAMAGED SHALL BE REPRAITONS SHALL BE SATISFACTORILY REPAIRED AT THEIR EXPENSE. THE CONTRACTOR SHALL PROTECT ALL UTILITIES DURING CONSTRUCTION THE CONTRACTOR SHALL SUPPORT OR TUNNEL UNDER EXISTING UTILITIES, WHEN REQUIRED, IN A MANNER THAT THE EXISTING UTILITIES ARE BY O DAMAGED OR

WASTE DISPOSAL SITE-THE CONTRACTOR SHALL FURNISH A SITE SATISFACTORY TO THE ENGINEER FOR THE DISPOSAL OF BROKEN CONCRETE, EXCESS DIRT, ROCK, TREES AND OTHER CONSTRUCTION/DEWOLITION DEBRIS GENERATED BY THIS PROJECT. THE WASTE DISPOSAL SITE MAY NOT BE A STREAM, STREAM BANK, LAKE, LAKESHORE OR THE LOWER STREAM BANK, LAKE, LAKESHORE OR THE LOWITEACTOR HAS GERTANDE A "AD FEMILE" FROM THE U.S. ARMY CORPS OF EMBLISHERS, DISPOSAL WITHIN THE RIGHT OF WAS HALL NOT BE

SAW CUITING & REMOVAL OF PAYEMENT:
PAVEMENT AREAS TO BE REMOVED ARE SHOWN ON THE DRAWINGS. THESE AREAS
REPRESENT THE FINAL PAYEMENT SAW CUT AND REMOVAL LIMITS. SAW CUTTING OF
THE PAYEMENT AREAS SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATIONS
ITEMS TO BE SAW CUT WILL INCLUDE ASPHALT PAYEMENT, SIDEMALLS, CURB AND
GUTTERS, AND WISCELLANEOUS CONCRETE AND ASPHALT ITEMS AS SHOWN ON THE

RATES OF MATERIALS:
THE RATES OF MATERIALS SHOWN ARE PROVIDED AS INFORMATION ONLY TO THE
CONTRACTOR. THE EXACT RATE SHALL BE SET BY THE ENGINEER ON CONSTRUCTION
BASED ON CONDITIONS AY THE SITE AND ON CHARACTERISTICS OF MATERIALS FURNISHED BY THE CONTRACTOR

### THE ESTIMATE OF QUANTITIES IS BASE ON THE FOLLOWING RATES OF MATERIALS:

ASPHALT CONCRETE COMPOSITE:	SDBOT CLASS & ESTIMATE @ 150 P.C.F.
ASPHALT TACK:	0.05 GALLONS/SQUARE Y/ RESIDUAL ASPHALT @ 8 5 POUNDS/GALLON
AGGREGATE BASE COURSE:	1.89 TONS/CUBIC YARD
GRAVEL SURFACING:	150 P C.F.
TYPE I GRANULAR BACK FILL:	1.89 TONS/CUBIC YARD
TYPE II FOUNDATION MATERIAL:	2 TONS/CUBIC YARD

REMOVALS
THE CONTRACTOR SHALL REMOVE & DISPOSE OF ALL REMOVAL ITEMS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AN ACCEPTABLE DISPOSAL

CONCRETE SIDEMALK
CONCRETE SIDEMALK TO BE REMOVED AND REPLACED IS SHOWN ON THE DRAWINGS.
REMOVAL AND REPLACEMENT BEYOND THE LIMITS SHOWN SHALL BE AT THE
CONTRACTOR'S EXPENSE. HONEVER, DUBING CONSTRUCTION, THE ENGINEER MAY
DIRECT A LESSER OR GREATER REMOVAL LIMIT DUE TO THE PROVINITY OF CONCRETE
JOINTS OR OTHER CONDITIONS. REMOVAL AND REPLACEMENT SHALL BE IN
ACCORDANCE WITH THE STANDARD SPECIFICATIONS. NEW CONCRETE SIDEWALK SHALL
BE PLACED ON 2° GRAVEL CUSHION OR BASE COURSE.

INCIDENTAL WORK
THE ITEMS AND WORK LISTED BELOW ARE TO BE INCLUDED IN THE INCIDENTAL
WORK ITEM, BUT THE LIST IS NOT ALL INCLUSIVE AND DOES NOT LIMIT THE SCOPE
TO ONLY THOSE ITEMS. THE CONTRACTOR SHALL INCLUDE THOSE ITEMS THAT MAY
BE SPECIFIC TO HIS CONSTRUCTION PROCEDURES.

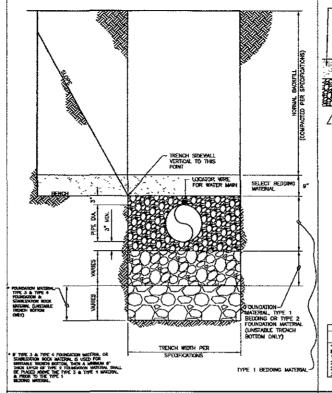
- MAINTAIN TEMPORARY SURFACING
- DUST CONTROL
- PROTECT OTHER UTILITIES FROM MOVEMENT DURING EXCAVATION
- OBTAIN ALL NECESSARY PERMITS

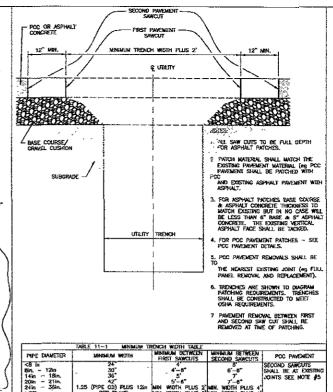
TRAFFIC CONTROL
THE CANTILEVER SHALL PROVIDE TRAFFIC CONTROL AS REQUIRED THROUGHOUT THE
DURATION OF THE PROJECT. THE CONTRACTOR'S SIGNING AND TRAFFIC CONTROL
SHALL CONFORM TO SECTIONS 90 & 91 OF THE STANDARD SPECIFICATIONS AND TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

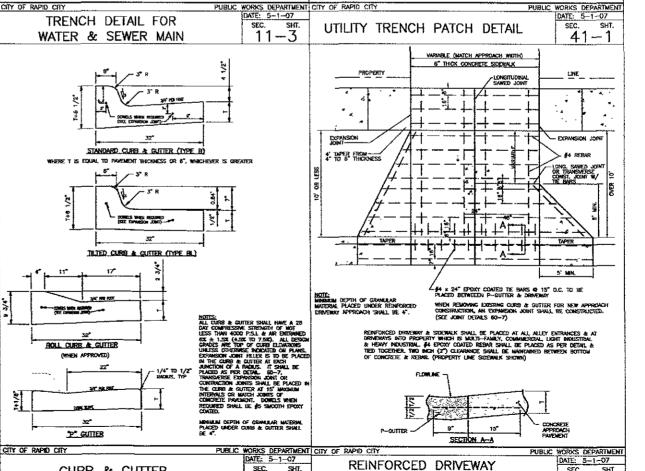
EXISTING SIGNS
ALL TRAFFIC CONTROL SIGNS REMOVED OR DAMAGED BY THE CONTRACTOR SHALL BE RESET OR REPLACED, AND SHALL BE INCIDENTAL.

SCODING ALL EXISTING GRASSED AREAS SHALL BE RESTORED WITH SOD. SCODING SHALL CONFORM TO SECTION 73 OF THE STANDARD SPECIFICATIONS.

COMPACTION REQUIREMENTS
BACK FILL/UTILITY LINES MOISTURE CONDITIONED TO WITHIN ±3% OF OPTIMUM BACK FILE/UTILITY LINES MOISTURE CONDITIONED TO WITHIN ±3% OF OPTIMUM MOISTURE CONTENT AND SHALL BE COMPACTED TO AT LEAST 92% OF MAXIMUM DENSITY AS DETERMINED BY THE MODIFIED PROCTOR METHOD, ASTM D1557. BASE COURSE: MOISTURE CONDITIONED TO OR NEAR OPTIMUM MOISTURE CONTENT AND SHALL BE COMPACTED TO AT LEAST 95% OF MAXIMUM MOISTURE SOTTEMENED BY THE MODIFIED PROCTOR METHOD, ASTM D1557. ASPMALT CONCENTE COMPOSITE SHALL BE COMPACTED BY THE SPECIFIED DENSITY METHOD. COMPACTION SHALL BE TO BE USED FOR ACCEPTANCE TESTING.







**APPROACH** 

SEC. SHT. SEC.

CURB & GUTTER



SHT.

60 - 4



PROFESSION.

7353 **3** RONATO A



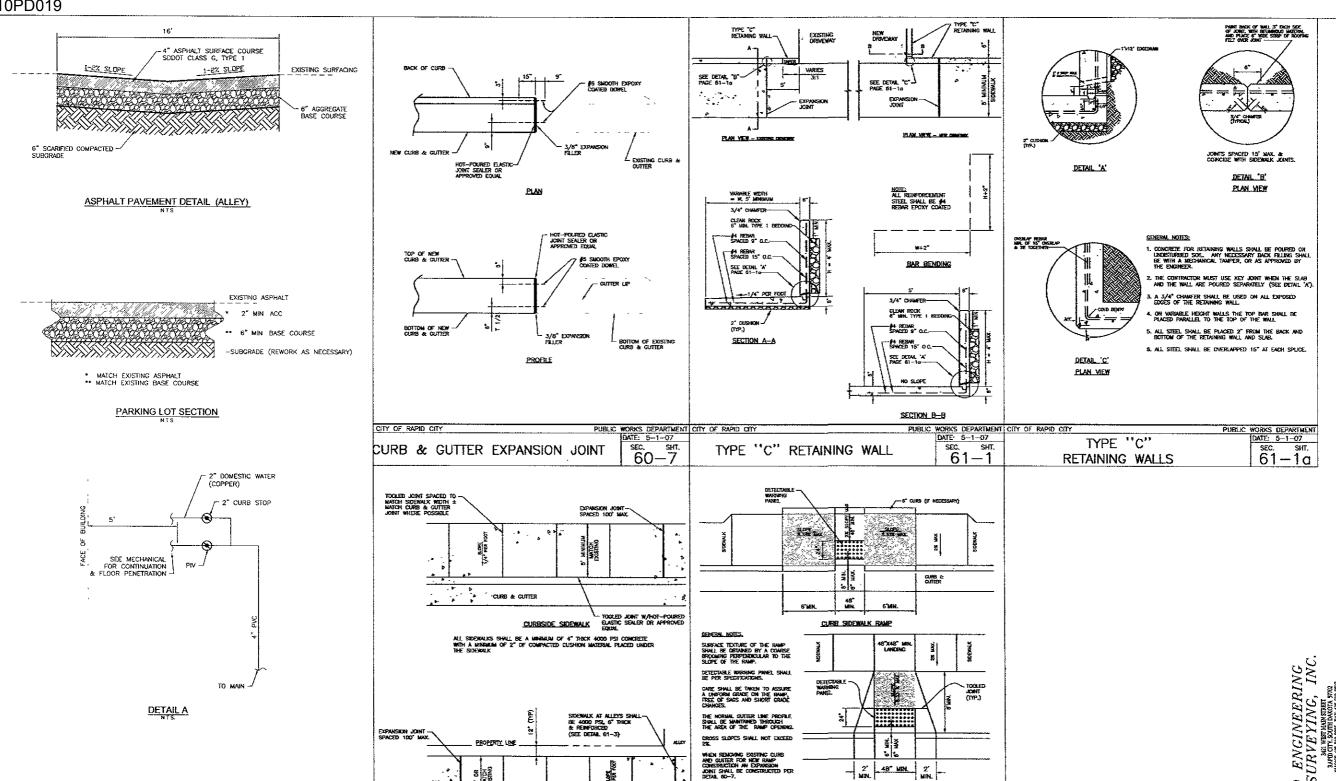
C5.0

Henriksen, Inc. 526 Saint Joseph Street, Suite A Rapid City, South Dakota 57701 Phone (605) 394-0189 Fax (605) 341-9288

CENTER

EARLY FOUNDATIONS CHILD CARE 1123 Kansas City Blvd Rapid City, SD

Drawing Number



PUBLIC WORKS DEPARTMENT CITY OF RAPID CITY
DATE: 5-1-07

SEC. SHT 61-2

TOOLED JOINT SPACED TO-

PROPERTY LINE SIDEWALK

**SIDEWALKS** 

CITY OF RAPID CITY

PROPERTY LINE SIDEWALK RAMP

HANDICAP ACCESS RAMPS

sec. shr. 61-5

CENTER EARLY FOUNDATIONS CHILD CARE 1123 Kansas City Blvd Rapid City, SD DETAILS

C5.1

Drawing Number