

**GENERAL NOTES - CIVIL**

- ALL WORK IN M.O.A. RIGHT OF WAY SHALL BE DONE IN ACCORDANCE WITH MUNICIPALITY OF ANCHORAGE STANDARD SPECIFICATIONS (MASS) FOR STREETS, DRAINAGE, UTILITIES AND PARKS, LATEST EDITION (1994). ALL OTHER WORK SHALL BE DONE IN ACCORDANCE TO THE PROJECT SPECIFICATIONS.
- COORDINATION: CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS WORK WITH THE MUNICIPALITY OF ANCHORAGE OTHER CONTRACTORS AND UTILITY COMPANIES WHICH MAY BE WORKING IN THE AREA.
- BURIED UTILITIES: EXISTING BURIED UTILITIES SHOWN ON THE DRAWINGS ARE FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING FIELD VERIFICATION OF ALL BURIED AND OVERHEAD UTILITIES FROM THE APPROPRIATE ENTITIES. CONTACT:
 

POWER	ANCHORAGE MUNICIPAL LIGHT AND POWER	278-3121
POWER	CHUGACH ELECTRIC ASSOCIATION, INC	278-3121
GAS	ENSTAR NATURAL GAS COMPANY	278-3121
TELEPHONE	ATU TELECOMMUNICATIONS	278-3121
CABLE TV	ROGERS CABLE COMPANY	278-3121
CABLE TV	GCI CABLE COMPANY	278-3121
WATER/SEWER	ANCHORAGE WATER AND WASTEWATER	278-3121
STORM	ANCHORAGE PUBLIC WORKS	278-3121
- AGGREGATE SOURCES SHALL BE CONTRACTOR-PROVIDED FROM AN APPROVED OFF-SITE LOCATION. SUBMIT FOR APPROVAL.
- DISPOSAL OF UNUSABLE EXCAVATION SHALL BE CONTRACTOR-PROVIDED AT AN APPROVED OFF-SITE LOCATION. SUBMIT FOR APPROVAL.
- CONTRACTOR SHALL PROVIDE FIELD DENSITY TESTING BY AN APPROVED INDEPENDENT TESTING LABORATORY AT LOCATIONS AS DIRECTED BY THE ENGINEER AS FOLLOWS:
 

TYPE II AND III CLASSIFIED FILL	1 TEST PER 750 TONS PLACED
D-1 LEVELING COURSE	1 TEST PER 200 TONS PLACED
ASPHALT PAVING	1 CORE PER 10,000 SQUARE FEET
TRENCH BACK FILL	1 TEST PER 200 LINEAR FEET PER 2 FEET OF DEPTH
- ALL COMPACTION SHALL BE 95% OF MAXIMUM LABORATORY DENSITY UNLESS OTHERWISE NOTED. PLACE ALL MATERIAL IN LIFTS OF NO GREATER THAN 10 INCHES. MAXIMUM LABORATORY DENSITY FOR COMPACTION SHALL BE DETERMINED BY ASTM D1557, MODIFIED PROCTOR.
- CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE (NEC), STATE AND FEDERAL OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATIONS (OSHA), AND ALL OTHER FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS PERTAINING TO THIS PROJECT. THE COST OF CORRECTIONS WORK TO COMPLY WITH APPLICABLE CODES REGULATIONS AND LAWS SHALL BE AT THE CONTRACTORS EXPENSE.
- THE CONTRACTOR SHALL PROVIDE ALL PERMITS WHICH ARE NOT SPECIFICALLY INDICATED AS PROVIDED BY THE OWNER IN THE SPECIFICATIONS.
- ALL SURVEYING AND LAYOUT SHALL BE PROVIDED BY THE CONTRACTOR UNLESS NOTED OTHERWISE.
- EARTHWORK INCLUDING TRENCHING SHALL BE IN CONFORMANCE WITH PROJECT SPECIFICATION AND GEOTECHNICAL REPORT FOR SOUTHCENTRAL FOUNDATION PROPOSAL ADDITION, DATED FEBRUARY 2000, AND ADDENDUM TO GEOTECHNICAL REPORT, SOUTHCENTRAL FOUNDATION PROPOSAL ADDITION, DATED MAY 8, 2000.

**SANITARY SEWER NOTES**

- ALL WORK IN M.O.A. RIGHT OF WAY SHALL BE DONE IN ACCORDANCE WITH MUNICIPALITY OF ANCHORAGE STANDARD SPECIFICATIONS (MASS) FOR STREETS, DRAINAGE, UTILITIES AND PARKS, LATEST EDITION. ALL OTHER WORK SHALL BE DONE IN ACCORDANCE TO THE PROJECT SPECIFICATIONS.
- EXISTING CUSTOMERS SHALL BE NOTIFIED FORTY-EIGHT (48) HOURS IN ADVANCE OF SEWER SERVICE INTERRUPTION. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE TEMPORARY SERVICE TO THE EXISTING CUSTOMER IF DEEMED NECESSARY BY THE ENGINEER.
- CONTRACTOR SHALL RECORD SURVEY NOTES FOR SUBMITTAL WITH RECORD DRAWING PLANS TO ANWU.
- CONTRACTOR SHALL VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL ENCOUNTERED UTILITIES IN THE FIELD, AND RECORD ANY CHANGES ON CONTRACTOR RECORD DRAWINGS.
- MAINTAIN MINIMUM TEN (10) FEET SEPARATION BETWEEN WATER AND SEWER MAINS AND SERVICES.
- ALL MANHOLES SHALL HAVE A MINIMUM OF ONE GRADE RING (6").
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING SURVEY MONUMENTS.
- SANITARY SEWER PIPE MATERIAL SHALL BE DUCTILE IRON PIPE MEETING THE REQUIREMENTS OF MASS 50.02.2b.
- TRENCHES SHALL BE CONSTRUCTED AS INDICATED IN THE DETAIL DRAWINGS.

**WATER NOTES**

- ALL WORK IN M.O.A. RIGHT OF WAY SHALL BE DONE IN ACCORDANCE WITH MUNICIPALITY OF ANCHORAGE STANDARD SPECIFICATIONS (MASS) FOR STREETS, DRAINAGE, UTILITIES AND PARKS, LATEST EDITION. ALL OTHER WORK SHALL BE DONE IN ACCORDANCE TO THE PROJECT SPECIFICATIONS.
- EXISTING CUSTOMERS SHALL BE NOTIFIED FORTY-EIGHT (48) HOURS IN ADVANCE OF WATER SERVICE INTERRUPTION. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE TEMPORARY SERVICE TO THE EXISTING CUSTOMER IF DEEMED NECESSARY BY THE ENGINEER.
- CONTRACTOR SHALL RECORD SURVEY NOTES FOR SUBMITTAL WITH RECORD DRAWING PLANS TO ANWU.
- CONTRACTOR SHALL VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL ENCOUNTERED UTILITIES IN THE FIELD, AND RECORD ANY CHANGES ON CONTRACTOR RECORD DRAWINGS.
- MAINTAIN MINIMUM TEN (10) FEET SEPARATION BETWEEN WATER AND SEWER MAINS AND SERVICES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING SURVEY MONUMENTS.
- WATER PIPE MATERIAL SHALL BE DUCTILE IRON PIPE MEETING THE REQUIREMENTS OF MASS 60.02.2a.
- FIRE HYDRANT LEADS SHALL HAVE RESTRAINED JOINTS AS INDICATED ON THE DETAIL DRAWINGS.
- INSTALL THAW PIPE AS INDICATED ON THE DETAIL DRAWINGS.
- TRENCHES SHALL BE CONSTRUCTED AS INDICATED IN THE DETAIL DRAWINGS.

**LEGEND - CIVIL**

EXISTING	PROPOSED	
---	N/A	PROPERTY LINE
---	N/A	CENTERLINE
---	N/A	EASEMENT LINE
---	N/A	UNDERGROUND ELECTRIC LINE
---	N/A	UNDERGROUND TELEPHONE LINE
---	N/A	NATURAL GAS LINE
---	N/A	SEWER LINE
---	N/A	STORM DRAIN LINE
---	N/A	WATER LINE
---	N/A	GRADE BREAK
---	N/A	GUTTER LIP
---	N/A	CURB LINE
---	N/A	SWALE
---	N/A	INTERMEDIATE CONTOUR
---	N/A	INDEX CONTOUR
---	N/A	ELECTRIC BOX
---	N/A	LIGHT POST
---	N/A	TELEPHONE PEDESTAL
---	N/A	FIRE HYDRANT
---	N/A	WATER VALVE
---	N/A	LANDSCAPING WATER LINE CONNECTION
---	N/A	SEWER/STORM DRAIN CLEANOUT
---	N/A	SANITARY SEWER MANHOLE
---	N/A	STORM DRAIN MANHOLE
---	N/A	STORM DRAIN CATCH BASIN/ MANHOLE
---	N/A	STORM DRAIN CATCH BASIN
---	N/A	STORM DRAIN DROP INLET
---	N/A	SURVEY - ALUMINUM MONUMENT
---	N/A	TREE
---	N/A	SOILS TEST HOLE
---	N/A	HANDICAP PARKING STALL
---	N/A	STRIPING
---	N/A	HANDICAP PARKING AISLE
---	N/A	STRIPING
---	N/A	DRAINAGE DIRECTION ARROW
---	N/A	SIGN AND POST
---	N/A	ELECTRIC METER
---	N/A	GAS METER
---	N/A	SPOT ELEVATION
---	N/A	LANDSCAPING ROCK

**OWNER**

SOUTHCENTRAL FOUNDATION  
4501 DIPLOMACY DRIVE  
ANCHORAGE, ALASKA 99508  
CONTACT: CHUCK CLEMENT

**OWNER'S REPRESENTATIVE**

PAN AMERICAN CONSULTING ENGINEERS  
139 EAST 51ST AVENUE  
ANCHORAGE, ALASKA 99503  
CONTACT: LARRY MATHIS, P.E.

**ARCHITECTS**

NBBJ DESIGN  
111 SOUTH JACKSON STREET  
SEATTLE, WASHINGTON 98104  
CONTACT: CHUCK KOLB

**Southcentral Foundation**

101 WEST BENSON SUITE 306  
ANCHORAGE, ALASKA 99503  
CONTACT: ROY ROUNTRIEE

**CIVIL ENGINEER**

LCMF, INCORPORATED  
139 EAST 51ST AVENUE  
ANCHORAGE, ALASKA 99503  
CONTACT: SCOTT HATTENBURG, P.E.

**LAND SURVEYOR**

LCMF, INCORPORATED  
139 EAST 51ST AVENUE  
ANCHORAGE, ALASKA 99503  
CONTACT: DEREK HOWARD, P.L.S.

**GENERAL CONTRACTOR**

NEESER CONSTRUCTION INC.  
2501 BLUEBERRY  
ANCHORAGE, ALASKA 99503  
CONTACT: ROYAL FIELD

**PROJECT LOCATION**

TUDOR CENTRE LOT 3A BLOCK 2, LOCATED WITHIN THE SW 1/2 OF SECTION 27, TOWNSHIP 13 N, RANGE 3 W, SEWARD MERIDIAN, ALASKA, ANCHORAGE RECORDING DISTRICT, PER PLATS 2000-29, AKA 4320 DIPLOMACY DRIVE, GRID 1736, ANWU MAP 4542.

**OWNER'S STATEMENT**

I HAVE REVIEWED THE PLANS AND AM APPLYING FOR APPROVAL TO PERFORM THE WORK INDICATED HEREON.

**PARKING ANALYSIS**

	REQUIRED	PROVIDED
TOTAL STALLS PER SHEET A1-4	364	364
STANDARD STALLS PER A.M.C. 21.45.080 TABLE 1 (MINIMUM)	148	172
EMPLOYEE STALLS PER A.M.C. 21.45.080 TABLE 3 (MAXIMUM)	214	184
HANDICAP ACCESSIBLE STALLS	7	7
HANDICAP VAN ACCESSIBLE STALLS	1	1

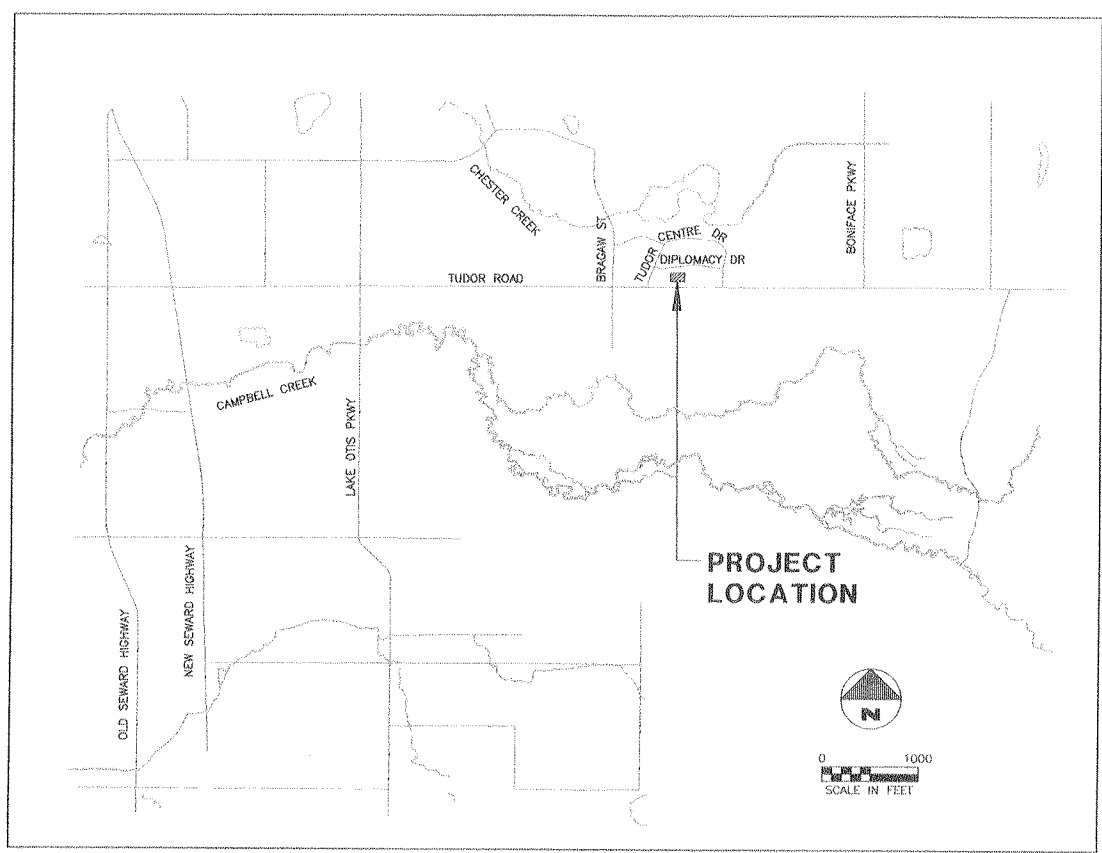
**INTERIOR LANDSCAPING AREA**

TOTAL PARKING AREA (INCLUDING INTERIOR ISLANDS)	127,882 SQUARE FEET
INTERIOR LANDSCAPING AREA REQUIRED (5% OF TOTAL PARKING AREA)	6,394 SQUARE FEET
INTERIOR LANDSCAPING AREA PROVIDED	7,100 SQUARE FEET

**SHEET INDEX - CIVIL**

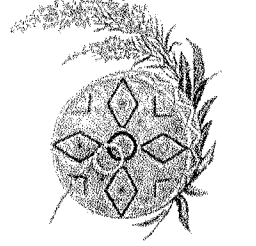
- CO-1 GENERAL NOTES, LEGEND, ABBREVIATION, SHEET INDEX AND VICINITY MAP
- C1-1 TOPOGRAPHIC SURVEY MAP
- C1-2 DEMOLITION PLAN
- C2-1 DIMENSIONED SITE PLAN
- C3-1 GRADING AND DRAINAGE PLAN
- C4-1 SITE UTILITY PLAN
- C4-2 WATER, SANITARY SEWER, DRAIN LINE AND STORM DRAIN PROFILES
- C5-1 PAVEMENT MARKING AND SIGNAGE PLAN
- C6-1 SITE CROSS SECTIONS
- C7-1 M.O.A. STANDARD DETAILS
- C7-2 CIVIL DETAILS
- C7-3 CIVIL DETAILS
- C8-1 EROSION AND SEDIMENT CONTROL PLAN

**SNOW STORAGE**  
THERE WILL BE NO DESIGNATED SNOW STORAGE AREA ON-SITE. THE OWNER WILL CONTRACT WITH A PRIVATE PARTY TO PLOW AND HAUL ALL SNOW TO AN OFF-SITE LOCATION.



VICINITY MAP

NBBJ  
111 South Jackson Street  
Seattle, Washington 98104  
(206) 223-5555  
Fax (206) 621-2300



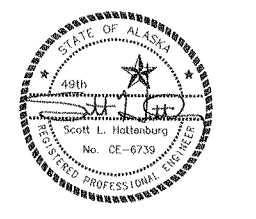
**Southcentral Foundation**

4501 Diplomacy Drive  
Anchorage, Alaska 99508  
Phone (907) 360-2715  
Fax (907) 265-5925

**PCC II**

**Footing and Foundation Package**

LCMF Incorporated  
A subsidiary of Utkongvik Mutual Corporation  
Anchorage, Alaska (907) 562-1830  
Dorow, Alaska (907) 822-8212

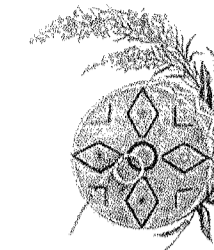


Number	Date	By	Description of Revisions

**GENERAL NOTES, LEGEND, ABBREVIATIONS, SHEET INDEX AND VICINITY MAP**

Scale AS SHOWN  
Designed DAR Drawn DAR  
Date 6/26/00 Checked  
Approved By DWL Job Number 00-003

Sheet Number



**Southcentral  
Foundation**

4501 Diplomacy Drive  
Anchorage, Alaska 99508  
Phone (907) 360-2715  
Fax (907) 265-5925

**PCC II**

**Footing and  
Foundation  
Package**

**LCMF Incorporated**  
A subsidiary of Ukepaqvik Illupat Corporation  
Anchorage, Alaska (907) 562-1830  
Barrow, Alaska (907) 852-8212



Number Date By Description of Revisions

Sheet Title  
**TOPOGRAPHIC SURVEY MAP**

Scale AS SHOWN  
Designed \_\_\_\_\_ Drawn DMR  
Date 6/26/00 Checked \_\_\_\_\_  
Approved By DWH Job Number 00-003  
Sheet Number \_\_\_\_\_

SANITARY AND STORM SEWER STRUCTURE TABLE				
STRUCTURE ID	RIM/GRATE	INVERT IN	INVERT OUT	BOTTOM
SSMH 11	167.84	155.66 E 155.72 S	155.70 N	
SSMH 17	168.19	159.19 E	159.17 W	
SSMH 18	170.33	161.53 E	161.55 W	
SSMH 25	180.08	171.35 E	171.25 W	
SSMH 30	180.89	172.99 S	173.06 N	
SDMH 12	167.28	162.98 N 162.07 E 162.65 S	161.42 W	161.33
SDMHCB 13	167.19		164.03	163.30
SDCB 14	167.20 NWC		163.86	163.25
SDMH 16	169.65	164.34 E	163.65 W	162.95
SDMH 19	176.31	171.21 E	170.96 W	170.51
SDCB 20	175.33 NEC	171.40 N	171.48 S	171.38
SDMH 23	179.43	173.93 E 174.09 SE 174.38 S	174.13 W	172.53
SDMHCB 166	178.85		175.02 N	174.65
SDCB 24	180.11 NEC	N/A	176.02 NW	174.56
SDMH 34	182.35	177.99 N 177.36 E 177.62 S	177.40 W	177.17
SDCB 35	182.41 NEC	178.21 S	178.41 N	177.81
SDMHCB 32	181.27		178.74 N	177.07
SDMH 39	186.93	180.35 E	180.26 W	178.93
SDMH 40	187.47	180.01 S	181.12 W	180.38
SDMHCB 41	188.24	181.35 E	184.84 N	184.02

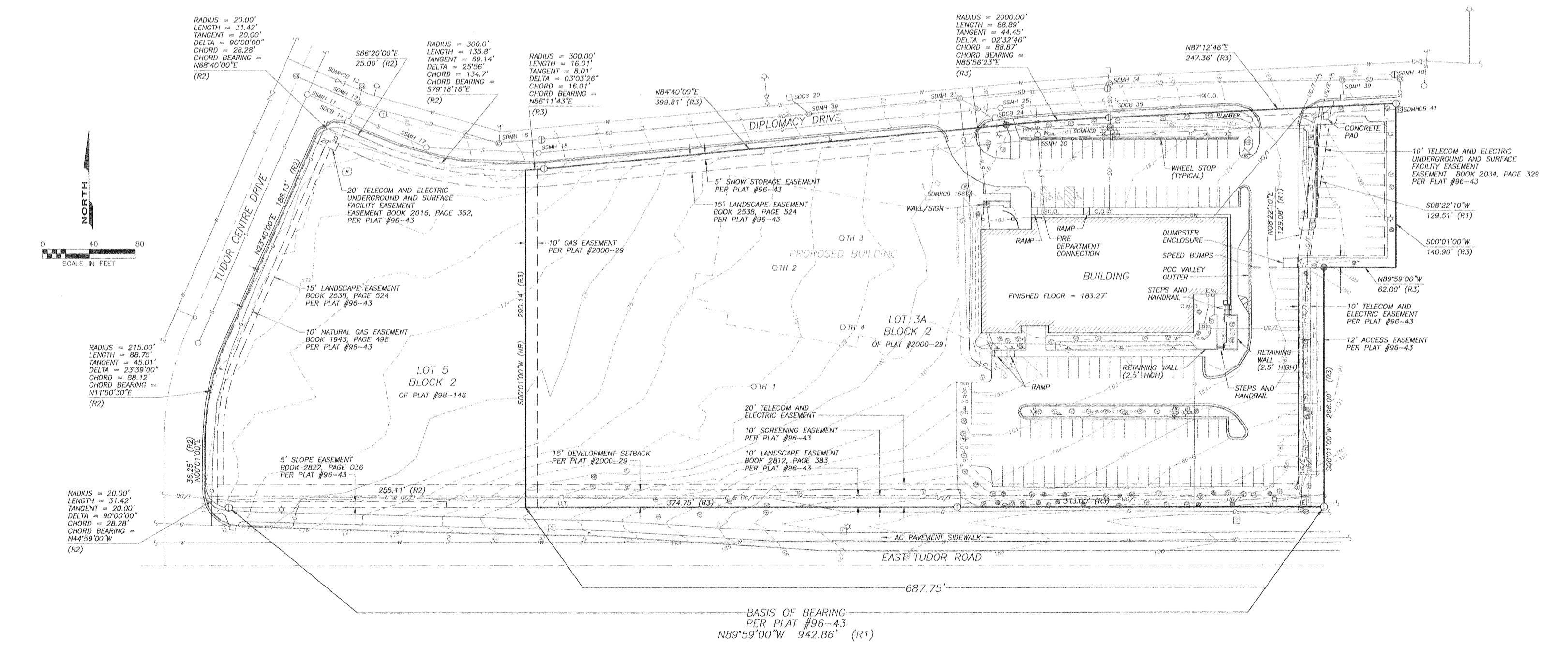
- LEGEND (THIS SHEET)**
- PROPERTY LINE- SUBJECT PROPERTY
  - PROPERTY LINE- ADJACENT PROPERTY
  - CENTERLINE
  - EASEMENT LINE
  - UG/E UNDERGROUND ELECTRIC LINE
  - UG/T UNDERGROUND TELEPHONE LINE
  - NATURAL GAS LINE
  - SEWER LINE
  - STORM DRAIN LINE
  - WATER LINE
  - SWALE
  - INTERMEDIATE CONTOUR
  - INDEX CONTOUR
  - ↑ SIGN (MOUNTED TO POST)
  - ELECTRIC BOX
  - O.O.E.M. ELECTRIC METER
  - ☆ LIGHT POST
  - TELEPHONE BOX
  - TELEPHONE PEDESTAL
  - G.M. GAS METER
  - S.C.O. SEWER/STORM DRAIN CLEANOUT
  - S.S.M.H. SANITARY SEWER MANHOLE
  - S.D.M.H. STORM DRAIN MANHOLE
  - S.D.M.H.C.B. STORM DRAIN MANHOLE/ CATCH BASIN
  - S.D.M.H.C.B. STORM DRAIN CATCH BASIN
  - FIRE HYDRANT
  - WATER VALVE
  - LANDSCAPING WATER LINE CONNECTION
  - S.O.T.H. SOILS TEST HOLE
  - SURVEY MONUMENT- FOUND 1 1/2" ALUMINUM CAP
  - SURVEY MONUMENT- FOUND REBAR
  - TREE- CONIFER
  - TREE- DECIDUOUS
  - SHRUB
  - LANDSCAPING ROCK
  - HANDICAP PARKING STALL STRIPING
  - HANDICAP PARKING AISLE STRIPING

- HATCH LEGEND (THIS SHEET)**
- AC PAVEMENT
  - PCC CONCRETE SIDEWALK/PAD
  - RIP RAP

- ABBREVIATIONS (THIS SHEET)**
- AC ASPHALTIC CONCRETE
  - E EAST
  - N NORTH
  - PCC PORTLAND CEMENT CONCRETE
  - S SOUTH
  - SDCB STORM DRAIN CATCH BASIN
  - SDMH STORM DRAIN MANHOLE
  - SDMHCB STORM DRAIN MANHOLE CATCH BASIN
  - SSMH SANITARY SEWER MANHOLE
  - W WEST
  - (R1) RECORD INFORMATION PER PLAT 96-43
  - (R2) RECORD INFORMATION PER PLAT 98-146
  - (R3) RECORD INFORMATION PER PLAT 2000-29

**VERTICAL CONTROL**  
CB-86 2.5" BRASS CAP MONUMENT NEAR NORTHWEST CORNER OF SCHOOL BUS REPAIR FACILITY, ON WEST FACE OF BUILDING, 0.3' SOUTH OF NORTHWEST CORNER, MGA 1988 BENCHMARK, D-26, M-49, ELEVATION = 170.75'

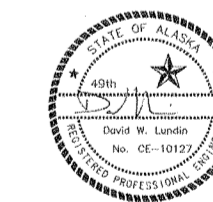
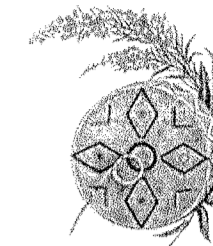
**SUBJECT PROPERTY DESCRIPTION**  
TUDOR CENTRE LOT 3A, BLOCK 2 AND LOT 5, BLOCK 2, LOCATED WITHIN THE SOUTHWEST 1/2 OF SECTION 27, TOWNSHIP 13 NORTH, RANGE 3 WEST, SEWARD MERIDIAN, ALASKA, ANCHORAGE RECORDING DISTRICT, PER PLATS 2000-29 AND 98-146.





**TOPOGRAPHIC SURVEY MAP**  
SCALE: 1" = 40'

BASIS OF BEARING  
PER PLAT #96-43  
N89°59'00"W 942.86' (R1)





HATCH LEGEND (THIS SHEET)

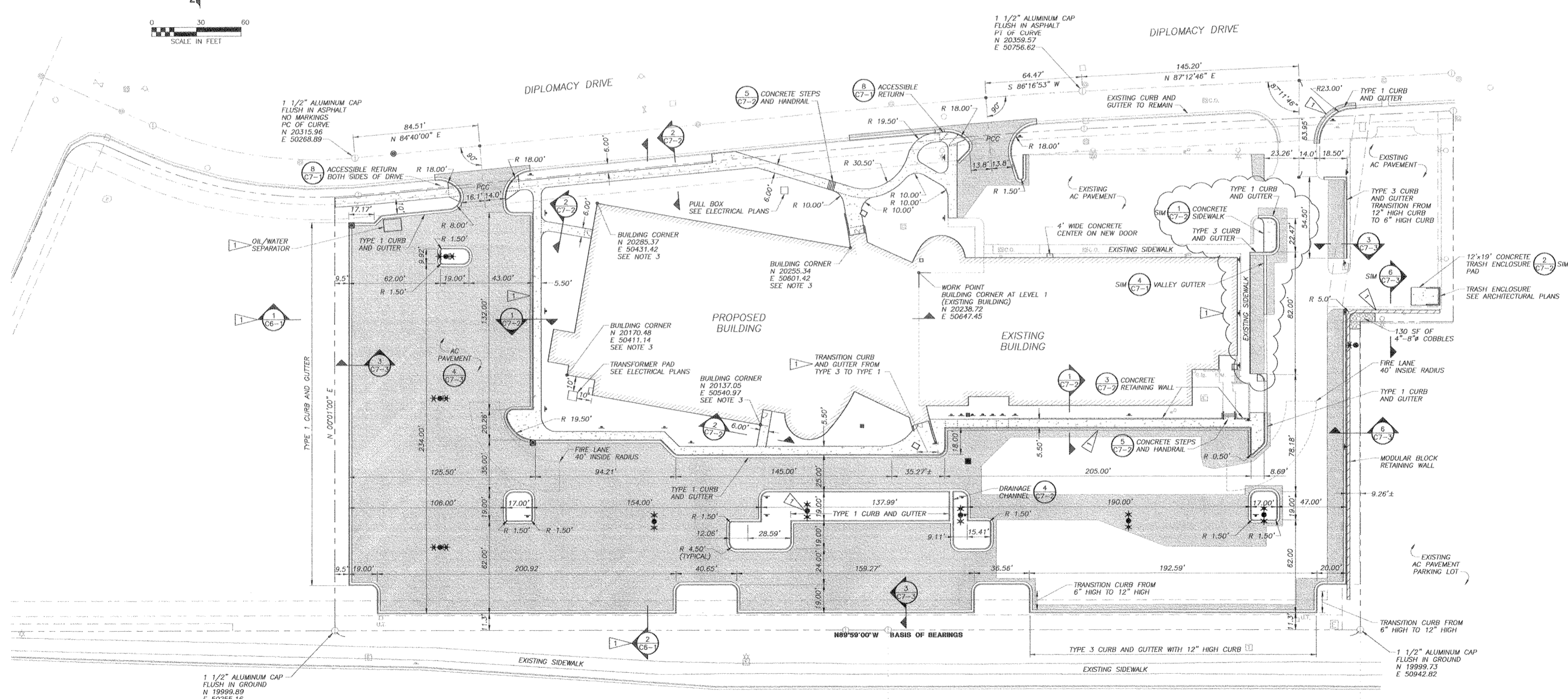
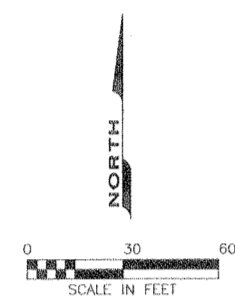
-  PROPOSED AC PAVEMENT (C7-2)
-  PROPOSED CONCRETE FLATWORK

NOTES

1. EXISTING IMPROVEMENTS TO REMAIN ARE SHOWN FADED.
2. SEE DEMOLITION PLAN.
3. THIS SITE PLAN SHOULD NOT BE USED FOR CONSTRUCTION STAKING OF PROPOSED BUILDING CONCRETE AND FOUNDATION. SEE ARCHITECTURAL/STRUCTURAL PLANS FOR FINAL DIMENSIONS.
4. SAWCUT TO NEAT EDGE AND TACKCOAT EDGE OF EXISTING PAVEMENT WHEN MATCHING WITH NEW PAVEMENT.
5. TYPICAL RADIUS AT BACK OF CURB = 4.50' UNLESS NOTED OTHERWISE.
6. SEE ARCHITECTURAL DRAWINGS FOR EXTENT OF SIDEWALK SNOW MELT SYSTEM, SHEET A1-0.
7. ALL LANDSCAPING AREAS SHALL RECEIVE MINIMUM 4" DEPTH OF TOPSOIL. SEE LANDSCAPE FOR ADDITIONAL INFORMATION AND SPECIFICATIONS.

DIMENSION LEADERS ARE TO BACK OF CURB UNLESS OTHERWISE NOTED

ALL CURB AND GUTTER IS 6" HIGH TYPE 3 UNLESS OTHERWISE NOTED



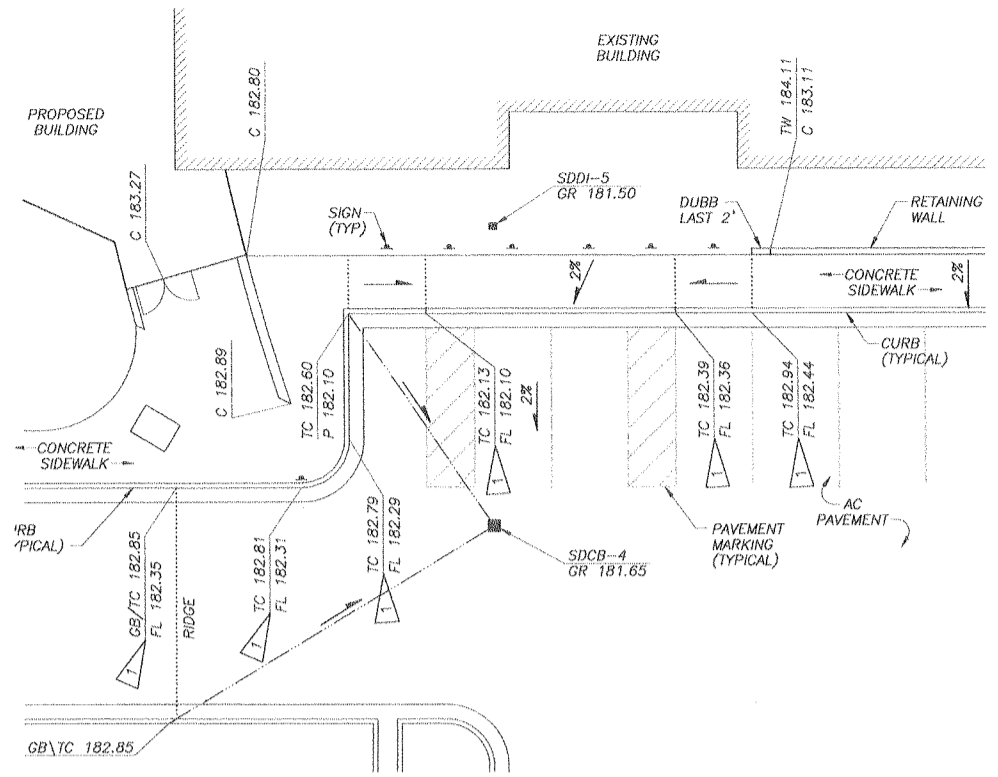
DIMENSIONED SITE PLAN

SCALE: 1" = 30'

Number	Date	By	Description of Revisions

Scale	AS SHOWN
Designed	DWL DRL
Date	6/26/00
Approved By	DWL Job Number 00-003



**ENLARGED PLAN**  
SCALE: 1" = 10'

**ABBREVIATIONS (THIS SHEET)**

C	TOP OF CONCRETE
FG	FINISHED DIRT GRADE
FL	FLOW LINE
GB	GRADE BREAK
GC	GRADE CHANGE
GR	GRATE
P	TOP OF PAVEMENT
S	SLOPE
SDCB	STORM DRAIN CATCH BASIN
SDDI	STORM DRAIN DROP INLET
SW	SWALE
TC	TOP OF CURB
TF	TOP OF FOOTING
TW	TOP OF WALL
	EXISTING GRADE SPOT ELEVATION (DECIMAL POINT IS GRADE LOCATION)

**HATCH LEGEND (THIS SHEET)**

	PROPOSED AC PAVEMENT
	PROPOSED CONCRETE SIDEWALK/PAD

**NOTES**

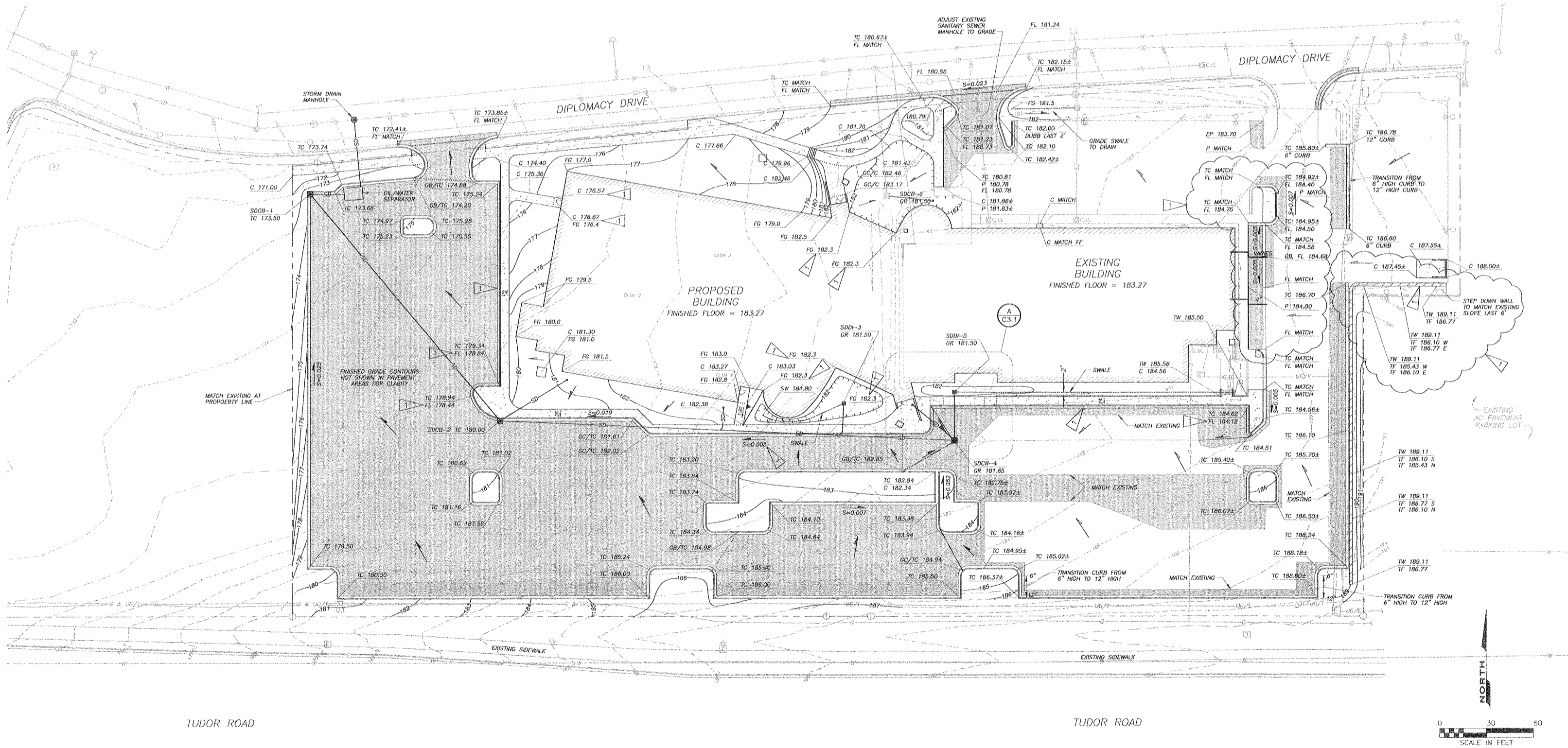
- EXISTING IMPROVEMENTS ARE SHOWN FADED.
- CONTOUR LINES SHOWN FADED REPRESENT EXISTING GRADE.
- IT IS THE INTENTION OF THE DESIGNER THAT NEW CURB AND GUTTER GRADES MATCH EXISTING PAVEMENT SLOPE AND GRADE WHERE EXISTING PAVEMENT OCCURS. WHERE NEW GRADES ARE FOLLOWED BY "2" THE CONTRACTOR SHALL ADJUST GRADES AS NECESSARY TO CONFORM TO THE EXISTING CONDITIONS.
- SEE NOTE 4, SHEET C4-1 FOR GROUNDWATER INFORMATION.

**VERTICAL CONTROL**

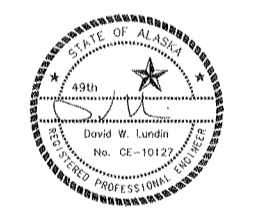
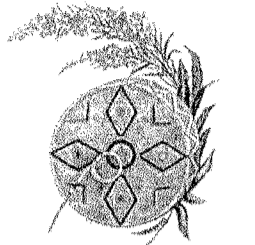
CB-80 2.5" BRASS CAP MONUMENT NEAR NORTHWEST CORNER OF SCHOOL BUS REPAIR FACILITY, ON WEST FACE OF BUILDING, 0.3' SOUTH OF NORTHWEST CORNER. MDA 1988 BENCHMARK, U-26, M-49. ELEVATION = 170.75'

**CAUTION:**  
THE LOCATIONS AND DEPTHS OF THE EXISTING UTILITIES SHOWN ON THIS SHEET ARE APPROXIMATE. UTILITIES NOT SHOWN ON THIS SHEET MAY EXIST. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL UTILITIES BEFORE DIGGING.  
LOCATE CALL CENTER OF ALASKA, INC. : 1 (800) 478-3121

SEE SHEETS C4-1 AND C4-2 FOR NEW UNDERGROUND UTILITY INFORMATION.



**GRADING AND DRAINAGE PLAN**  
SCALE: 1" = 30'

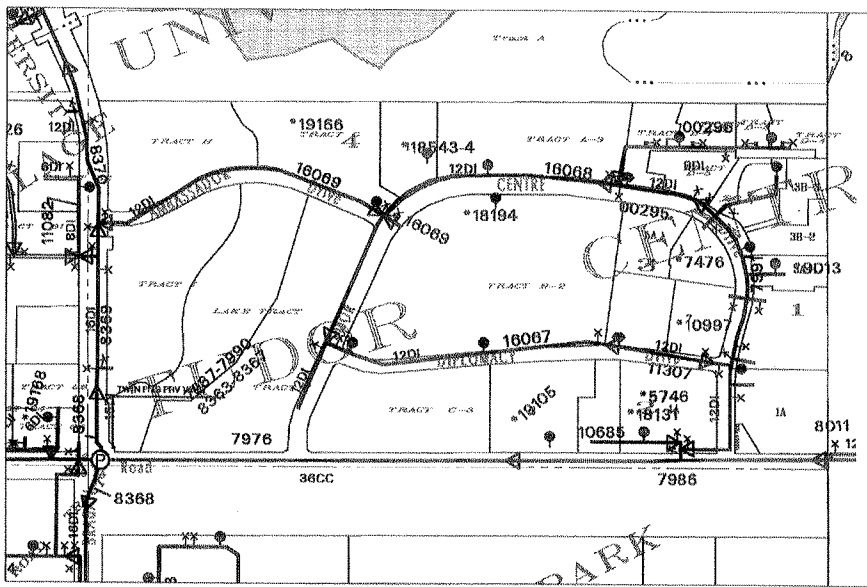


Number	Date	By	Description of Revisions

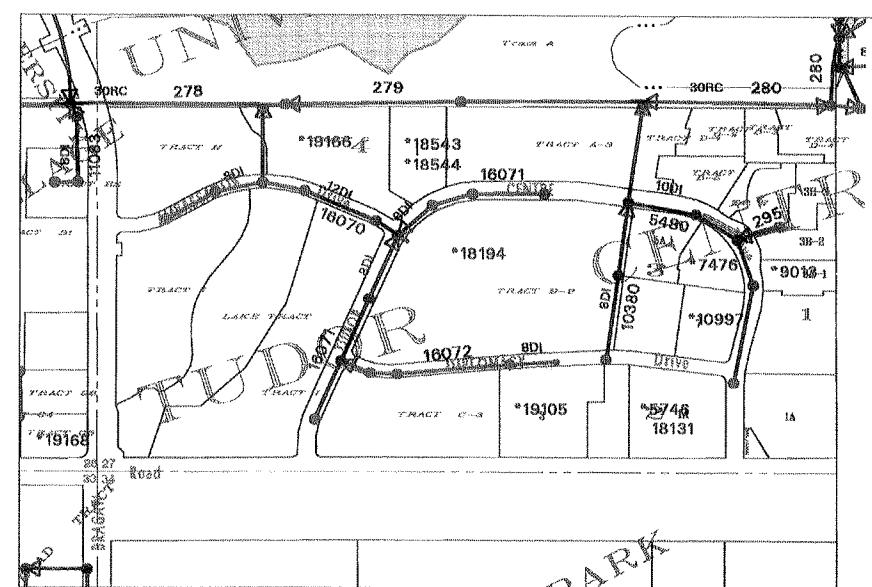
Sheet Title  
**GRADING AND DRAINAGE PLAN**

Scale	AS SHOWN		
Designed	DWL	Drawn	DWL
Date	6/26/00	Checked	
Approved	DWL	Job Number	00-003



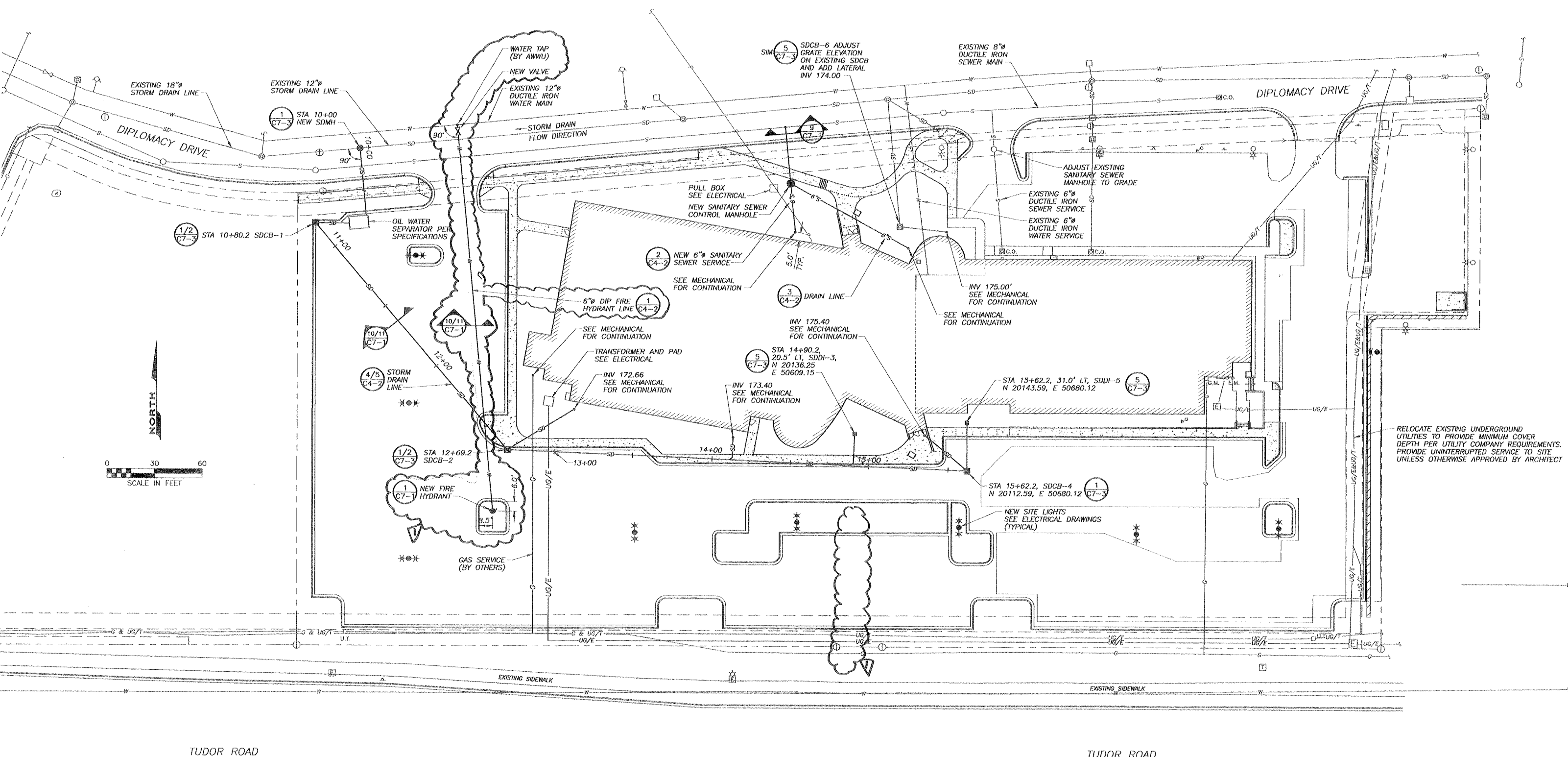


**WATER DISTRIBUTION SYSTEM MAP**  
PER MOA MAPBOOK - JULY 1998



**WASTEWATER COLLECTION SYSTEM MAP**  
PER MOA MAPBOOK - JULY 1998

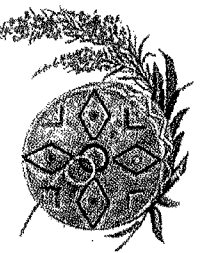
- NOTES:**
1. SEE ELECTRICAL PLANS FOR AREA LIGHT POWER SUPPLY, CONDUITS AND ADDITIONAL ELECTRICAL INFORMATION.
  2. ELECTRICAL INFORMATION SHOWN IS FOR REFERENCE ONLY. SEE ELECTRICAL PLANS.
  3. PNEUMATIC TUBE INFORMATION SHOWN IS FOR REFERENCE ONLY. FINISH DESIGN WILL BE PART OF A SUBSEQUENT PACKAGE.
  4. GROUNDWATER WAS ENCOUNTERED ON FEBRUARY 2, 2000 DURING DRILLING OF BORING B-2 (SHOWN ON SHEET C1-1) AT A DEPTH OF APPROXIMATELY 20' BELOW GROUND SURFACE. ON FEBRUARY 15, 2000, STATIC GROUNDWATER LEVEL WAS MEASURED AS 9.0' BELOW GROUND SURFACE, OR AT ELEVATION 168.5. GROUNDWATER WAS NOT ENCOUNTERED DURING DRILLING OF ANY OTHER BORING, EACH DRILLED TO A DEPTH OF APPROXIMATELY 20' BELOW GROUND SURFACE. CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING OF TRENCHES AND LEGAL DISPOSAL OF WATER. SEE THE PROJECT GEOTECHNICAL REPORT FOR FURTHER INFORMATION.
  5. SEE SHEET C1-1 FOR INVERTS IN EXISTING MANHOLES AND CATCH BASINS.
  6. SEE SHEET C4-2 FOR PROFILE DRAWINGS.



**SITE UTILITY PLAN**  
1" = 30'

**NBBJ**

111 South Jackson Street  
Seattle, Washington 98104  
(206) 223-5555  
Fax (206) 621-2300



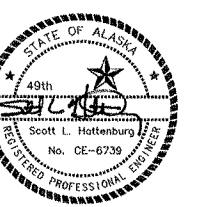
**Southcentral  
Foundation**

4501 Diplomacy Drive  
Anchorage, Alaska 99508  
Phone (907) 360-2715  
Fax (907) 265-5925

**PCC II**

**Footing and  
Foundation  
Package**

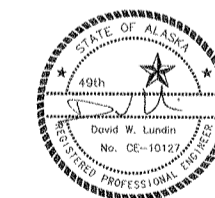
**LCMF Incorporated**  
A subsidiary of Ukpeagvik Inupiat Corporation  
Anchorage, Alaska (907) 562-1830  
Barrow, Alaska (907) 832-8212



8/15/00 DL ASI # 4  
Number Date By Description of Revision

Sheet No.  
**SITE UTILITY PLAN**

Scale AS SHOWN  
Designed DHE Draw EHE  
Date 6/28/00 Checked  
Approved By DHE Job Number 00-000  
Sheet Number



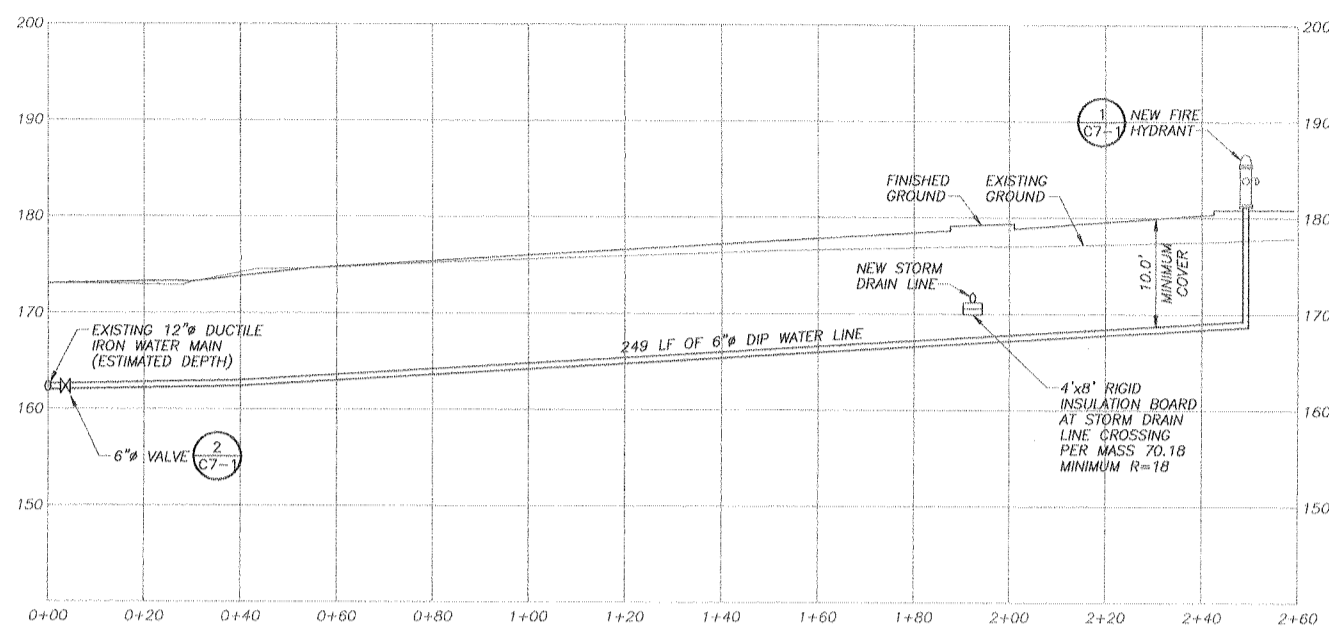
Number	Date	By	Description of Revisions
1	7/26/00	DWL	ADMS

Sheet Title:  
**WATER, SANITARY SEWER,  
DRAIN LINE AND STORM  
DRAIN PROFILES**

Scale: AS SHOWN

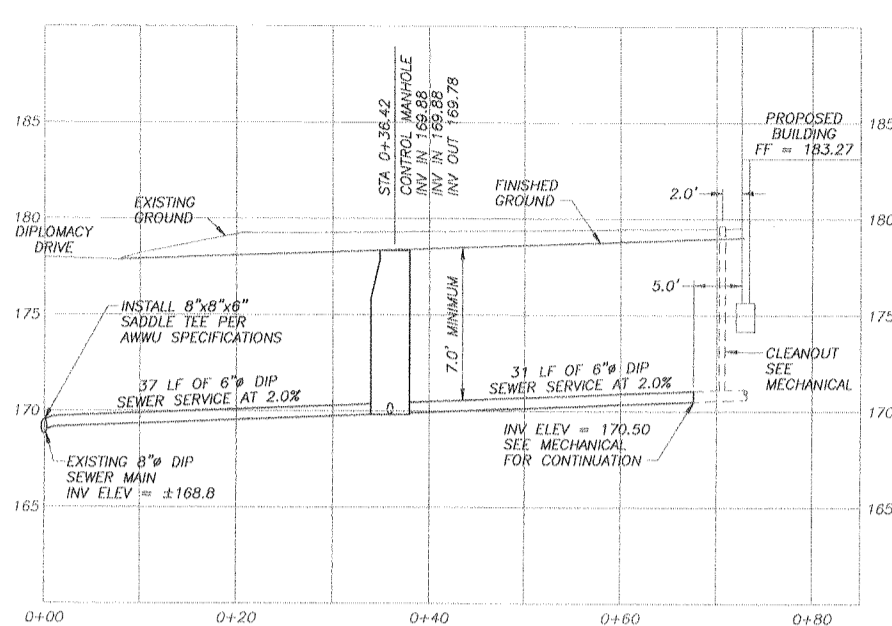
Designed: DWL  
Checked: DWL  
Date: 6/28/00  
Approved By: DWL  
Job Number: 00-003

Sheet Number



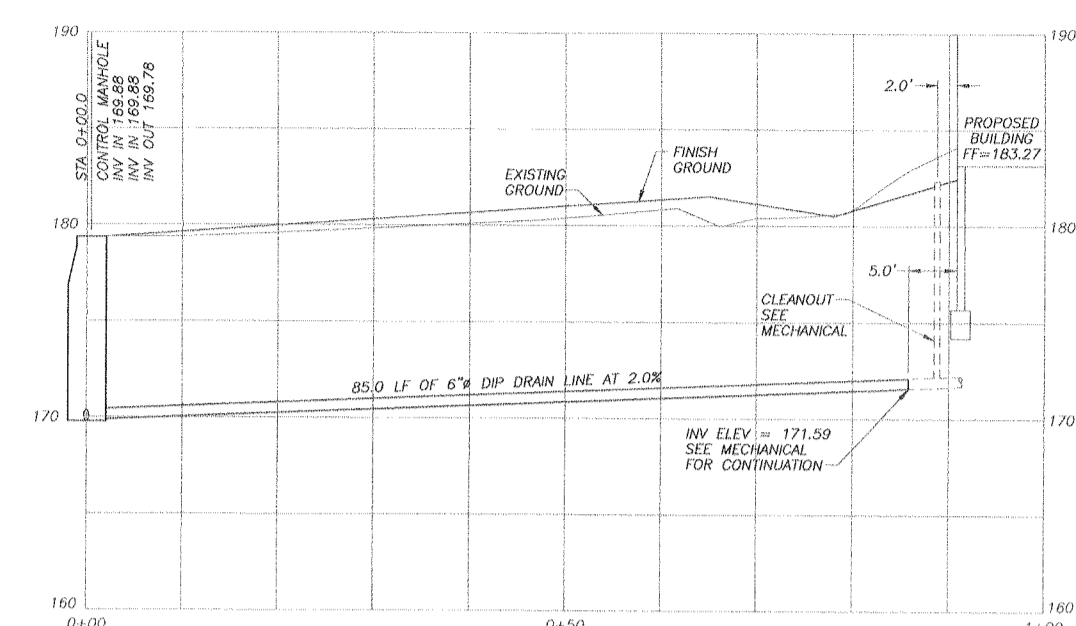
1 PROFILE - FIRE HYDRANT LINE

C4-2 SCALE: 1" = 20' (HORIZONTAL)  
1" = 10' (VERTICAL)



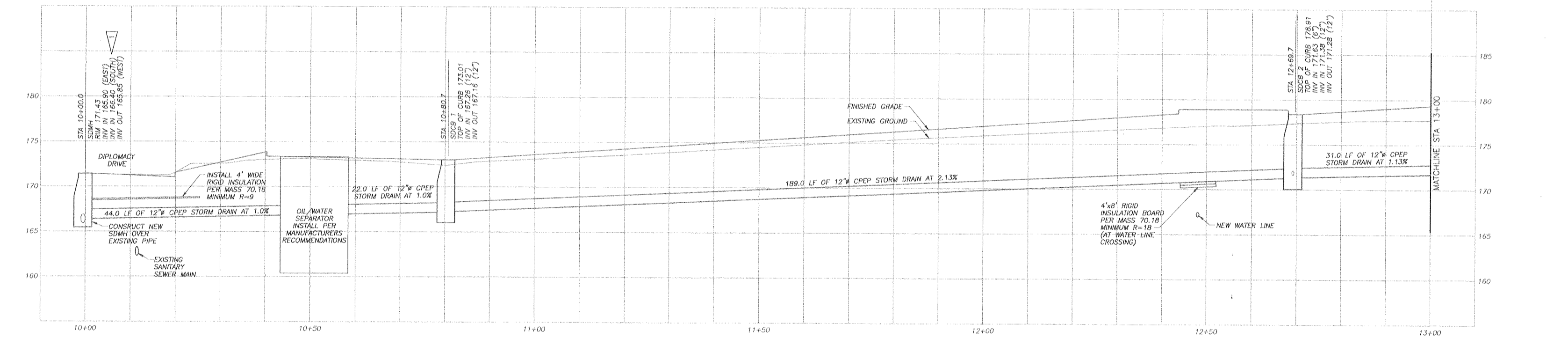
2 PROFILE - SANITARY SEWER SERVICE

C4-2 SCALE: 1" = 10' (HORIZONTAL)  
1" = 5' (VERTICAL)



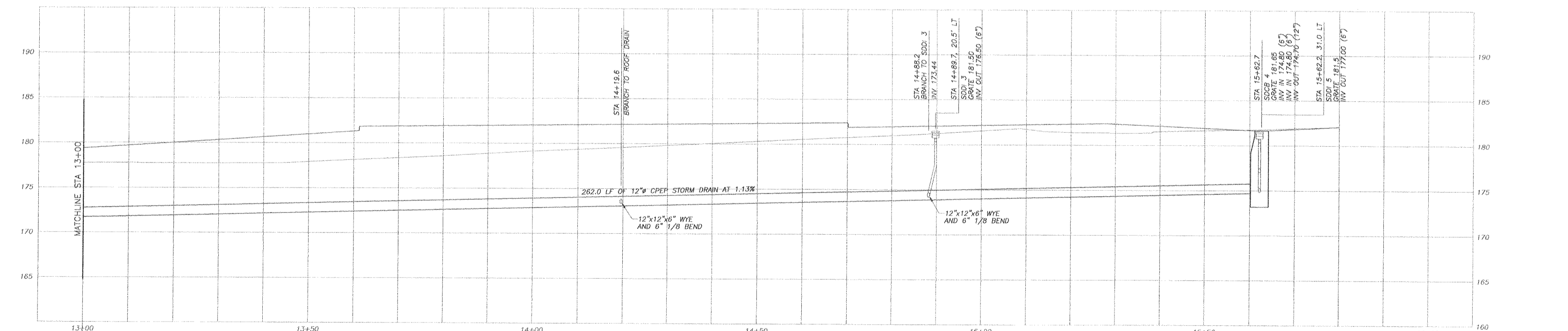
3 PROFILE - DRAIN LINE

C4-2 SCALE: 1" = 10' (HORIZONTAL)  
1" = 5' (VERTICAL)



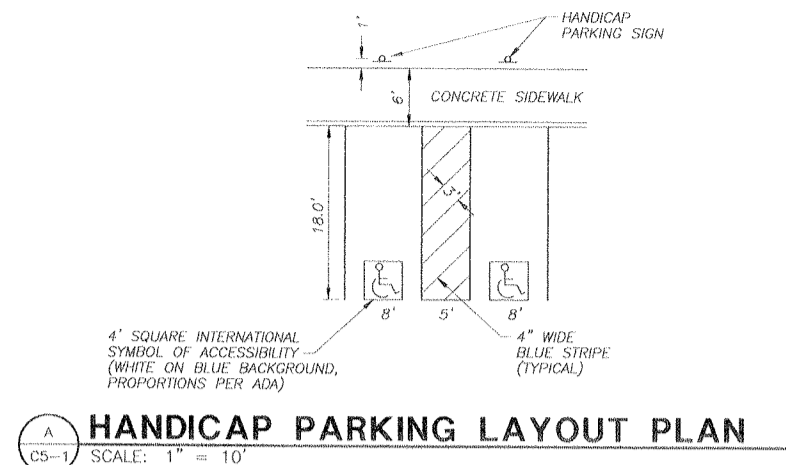
4 PROFILE - STORM DRAIN

C4-2 SCALE: 1" = 10' (HORIZONTAL)  
1" = 5' (VERTICAL)



5 PROFILE - STORM DRAIN

C4-2 SCALE: 1" = 10' (HORIZONTAL)  
1" = 5' (VERTICAL)



**SIGN SCHEDULE**

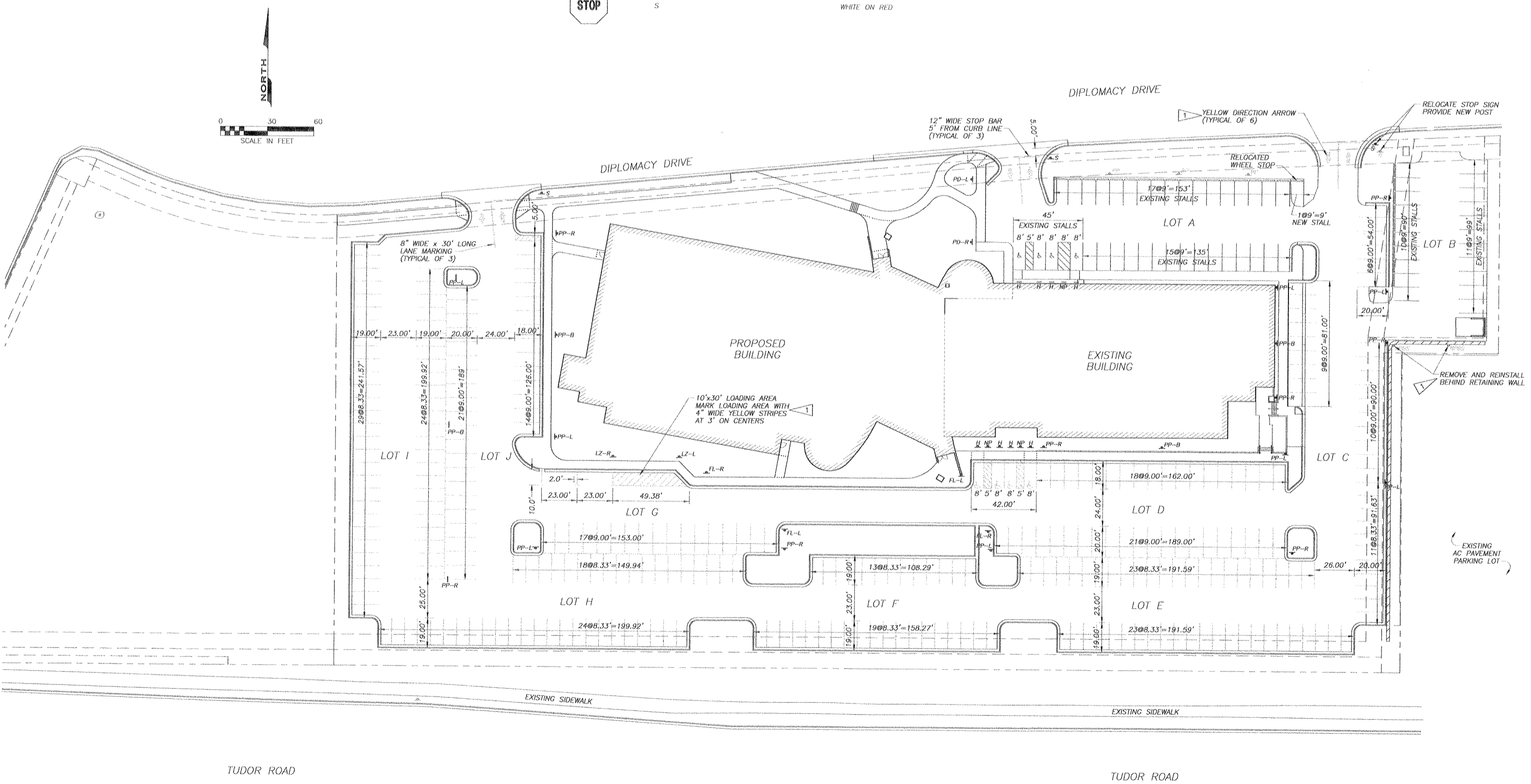
DESIGNATION	DESCRIPTION	COLOR
PP-PATIENT PARKING ONLY	NO ARROW ARROW LEFT ARROW RIGHT ARROW RIGHT AND LEFT	GREEN ON WHITE
FL-FIRE LANE	ARROW LEFT ARROW RIGHT	RED ON WHITE
LZ-LOADING ZONE	ARROW LEFT ARROW RIGHT	RED ON WHITE
NP-NO PARKING ANYTIME		RED ON WHITE
H-PARKING		SYMBOL: WHITE ON BLUE SIGN: BLUE ON WHITE
PD-PATIENT DROP OFF	ARROW LEFT ARROW RIGHT	RED ON WHITE
S-STOP		WHITE ON RED

**PARKING STALL DESIGNATIONS**

LOT	STANDARD	EMPLOYEE	HANDICAP	VAN	TOTAL
A	33		3	1	37
B	21				21
C	25	11			36
D	39		4		43
E		46			46
F		32			32
G	19				19
H		42			42
I		53			53
J	35				35
<b>TOTAL</b>	<b>172</b>	<b>184</b>	<b>7</b>	<b>1</b>	<b>364</b>

- NOTES**
- SEE SHEET C0-1 FOR PARKING ANALYSIS.
  - ALL SIGNS SHALL BE IN CONFORMANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION, AND MASS 70.20, EXCEPT SIGNS NEED NOT BE REFLECTIVE.
  - ALL SIGNS SHALL BE 12"x18" EXCEPT STOP SIGNS WHICH SHALL BE 30"x30".
  - ALL SIGNS TO BE INSTALLED PER DETAIL 11, SHEET C7-2.
  - EXISTING STRIPING TO BE ELIMINATED IS INDICATED ON DEMOLITION PLAN, SHEET C1-2.
  - STRIPES WHICH ARE DESIGNATED TO BE REMOVED ON SHEET C1-2 SHALL BE REMOVED TO THE FULLEST EXTENT POSSIBLE BY SANDBLASTING. ACCUMULATIONS OF SAND AND RESIDUE SHALL BE REMOVED IMMEDIATELY. SANDBLASTED AREAS SHALL BE SEALED WITH CRS-2 ASPHALT AT A RATE OF 0.25 GALLONS PER SQUARE YARD.
  - PAVEMENT MARKING SHALL BE IN CONFORMANCE WITH MASS 70.19. PARKING STALL STRIPES SHALL BE 4" WIDE, YELLOW IN COLOR, LOCATED AS INDICATED ON PLANS.

- LEGEND/ABBREVIATIONS (THIS SHEET)**
- 4 EXISTING SIGN AND POST
  - 4 NEW SIGN AND POST
  - EXISTING SIGN MOUNTED TO BUILDING
  - 1 NEW SIGN MOUNTED TO AREA LIGHT

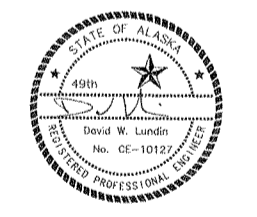


**NBBJ**  
111 South Jackson Street  
Seattle, Washington 98104  
(206) 223-5555  
Fax (206) 621-2300

**Southcentral Foundation**  
4501 Diplomacy Drive  
Anchorage, Alaska 99508  
Phone (907) 360-2715  
Fax (907) 265-5925

**PCC II**  
**Footing and Foundation Package**

**LCMF Incorporated**  
A subsidiary of Utkoyevik Hupiat Corporation  
Anchorage, Alaska (907) 562-1830  
Barrow, Alaska (907) 852-8212



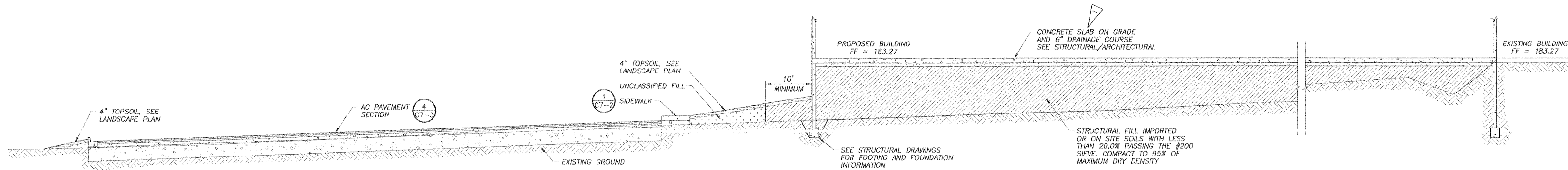
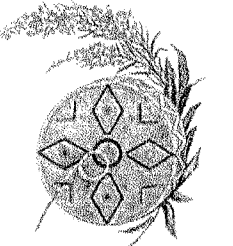
Number	Date	By	Description of Revisions

**PAVEMENT MARKING AND SIGNAGE PLAN**

Scale	AS SHOWN
Designed	DKL / DWM / DMS
Date	6/26/00 / Checked
Approved By	DKL / Job Number 00-003
Sheet Number	

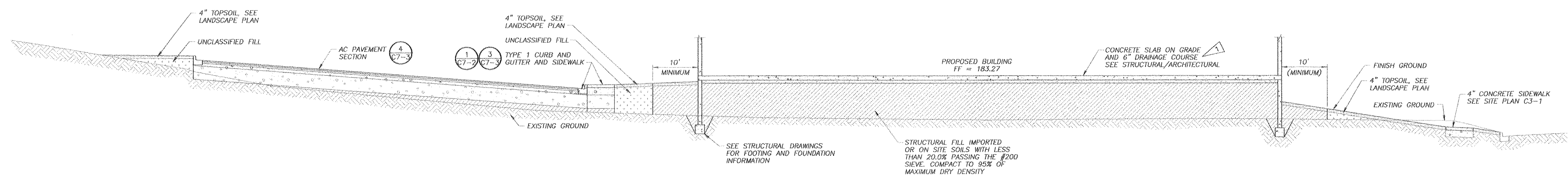
**PAVEMENT MARKING AND SIGNAGE PLAN**  
SCALE: 1" = 30'





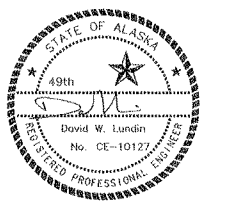
1 SITE CROSS SECTION WEST-EAST

SCALE: 1" = 10' (HORIZONTAL)  
1" = 5' (VERTICAL)



2 SITE CROSS SECTION SOUTH-NORTH

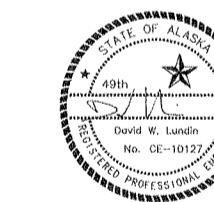
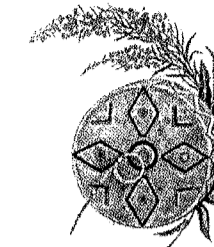
SCALE: 1" = 10' (HORIZONTAL)  
1" = 5' (VERTICAL)



Number	Date	By	Description of Revisions

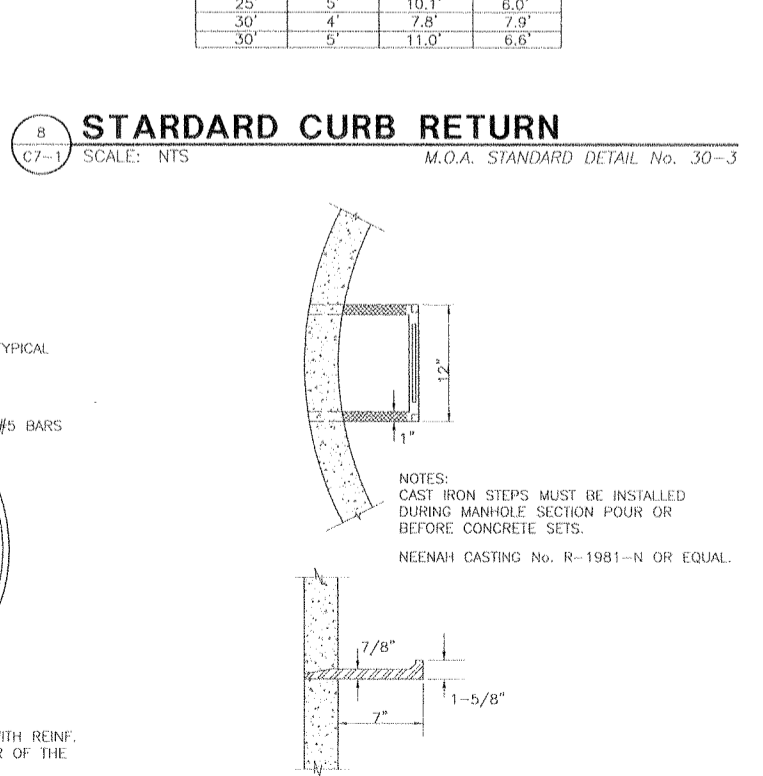
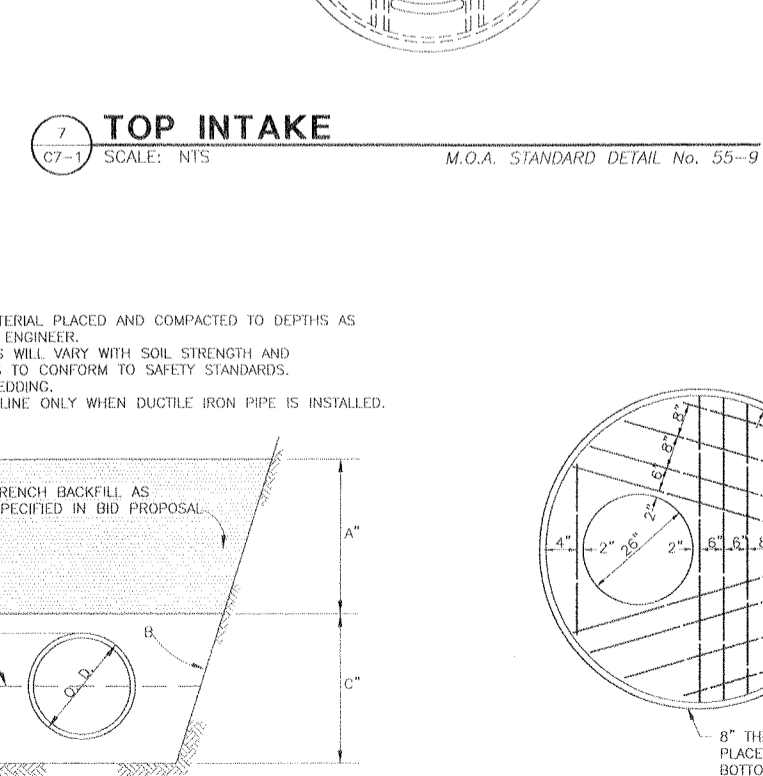
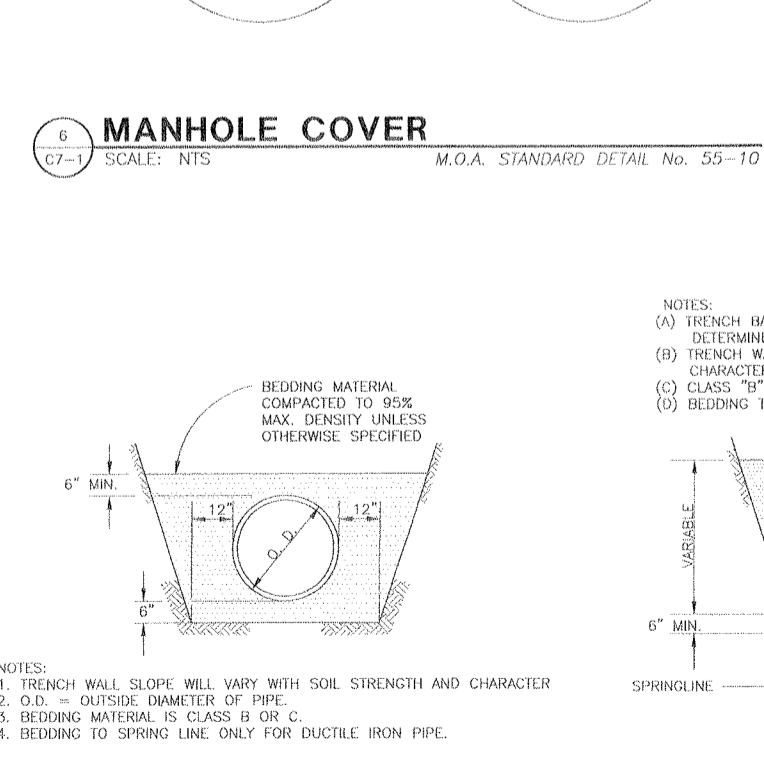
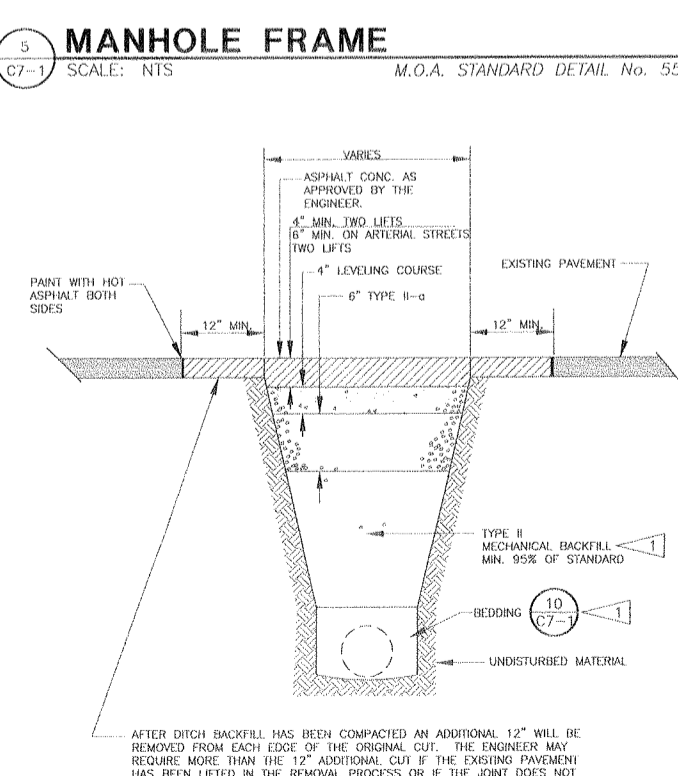
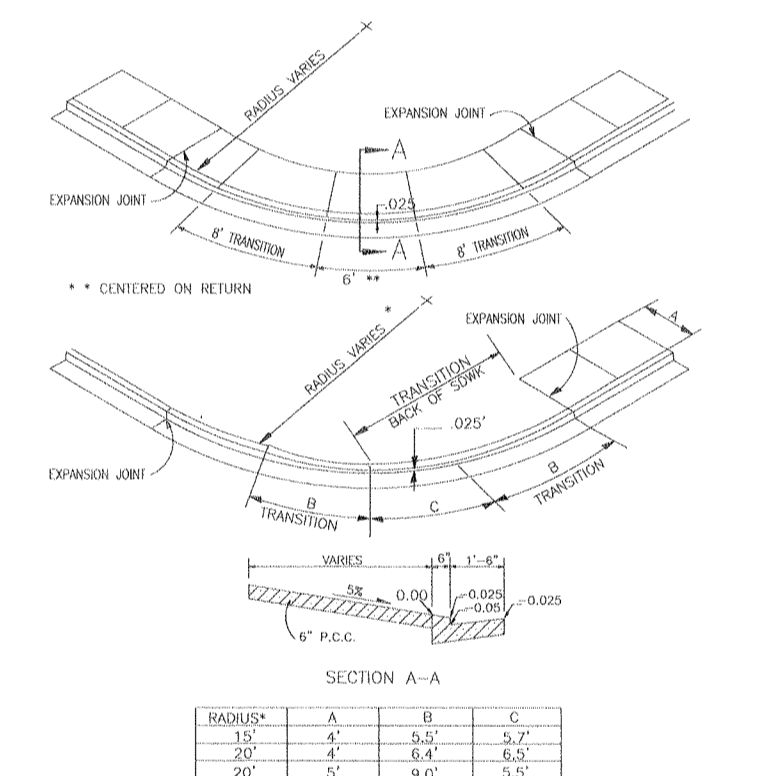
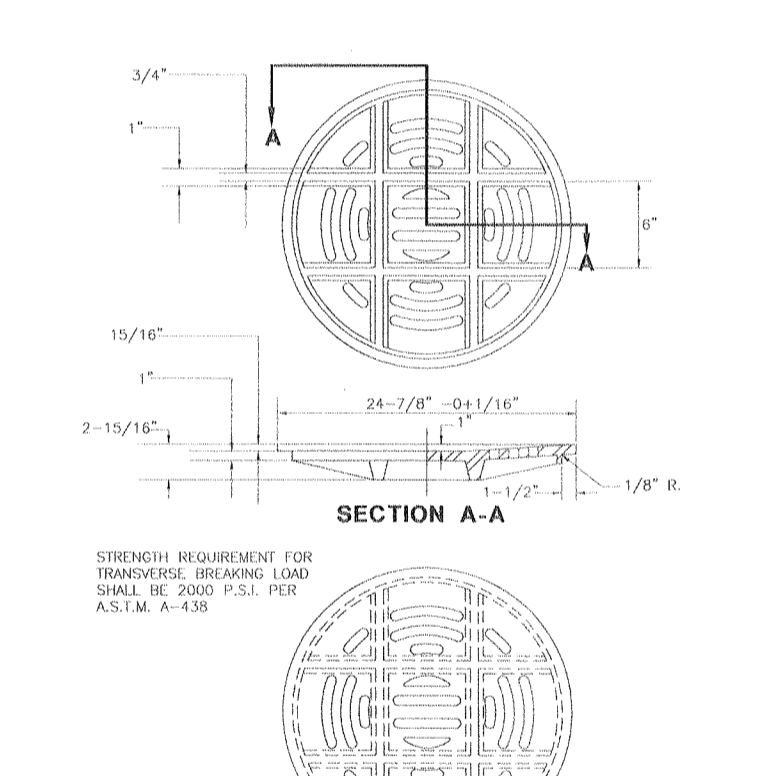
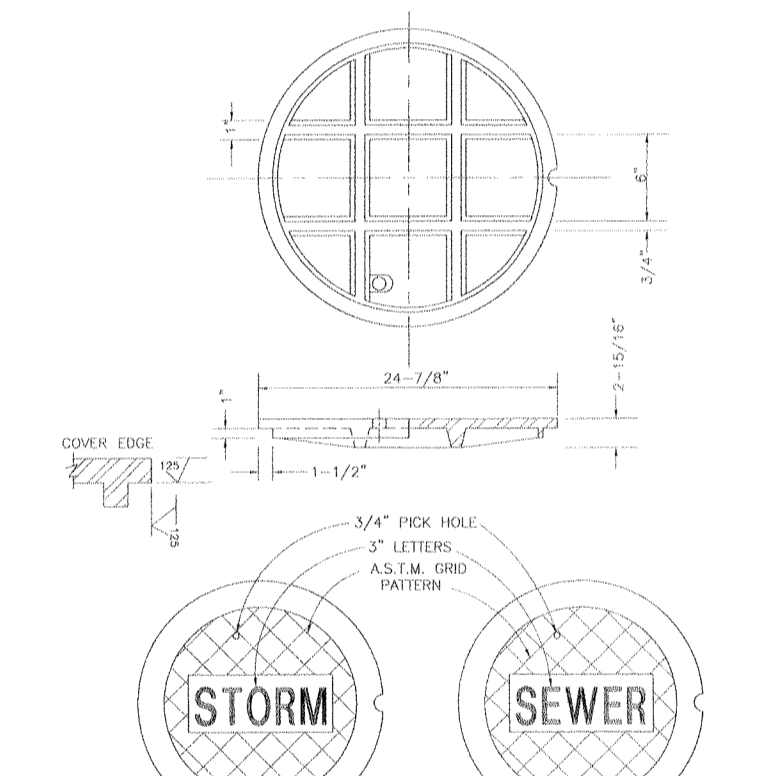
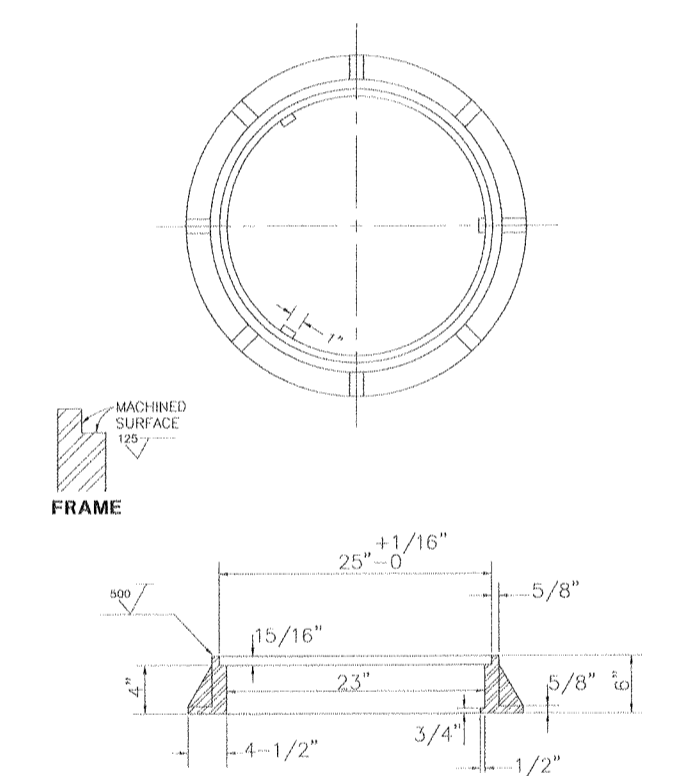
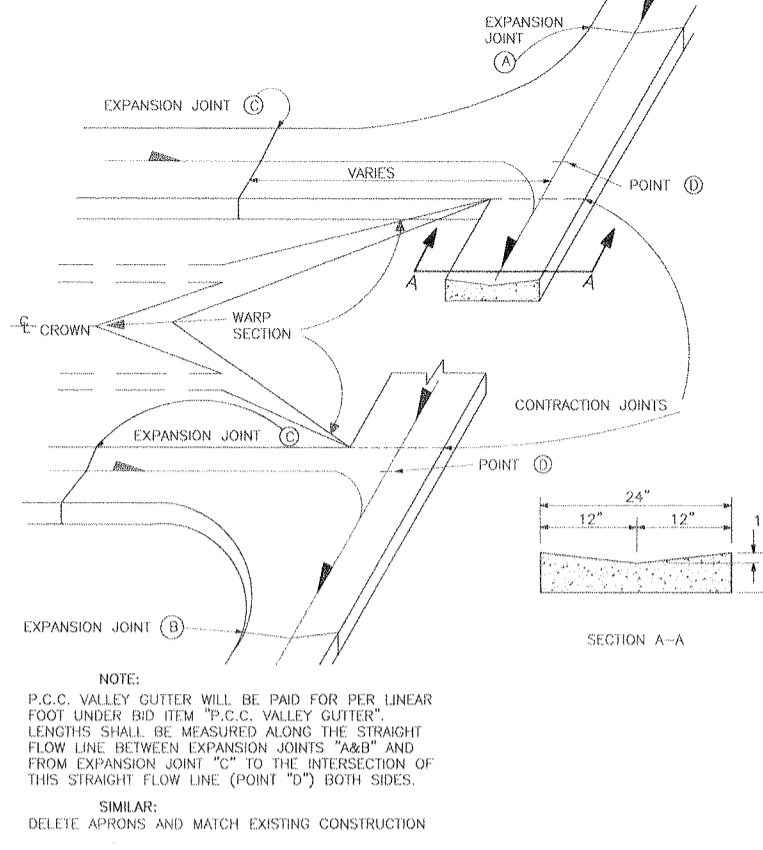
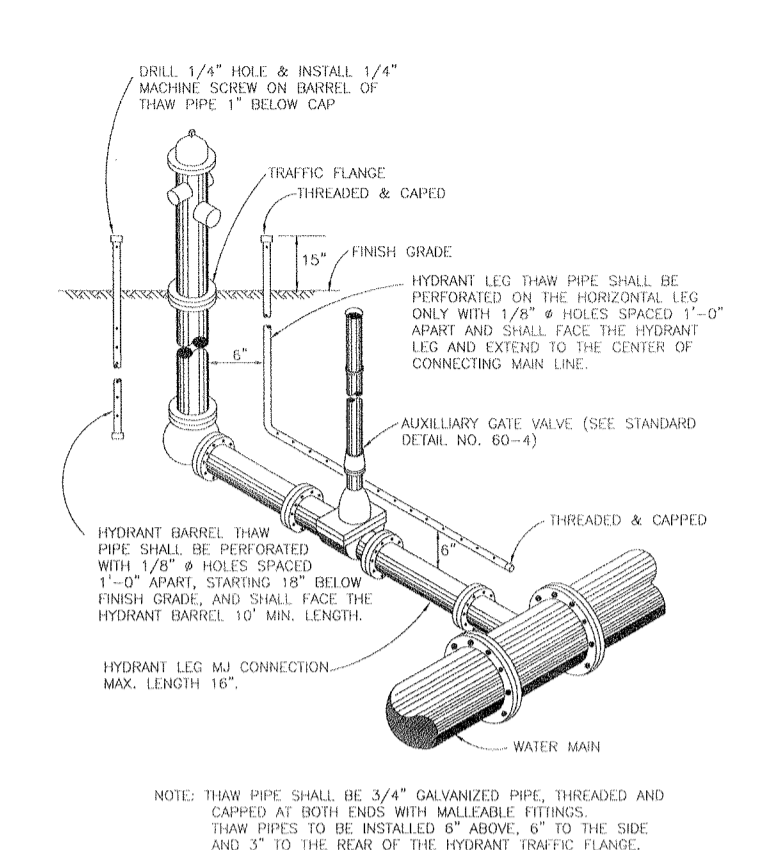
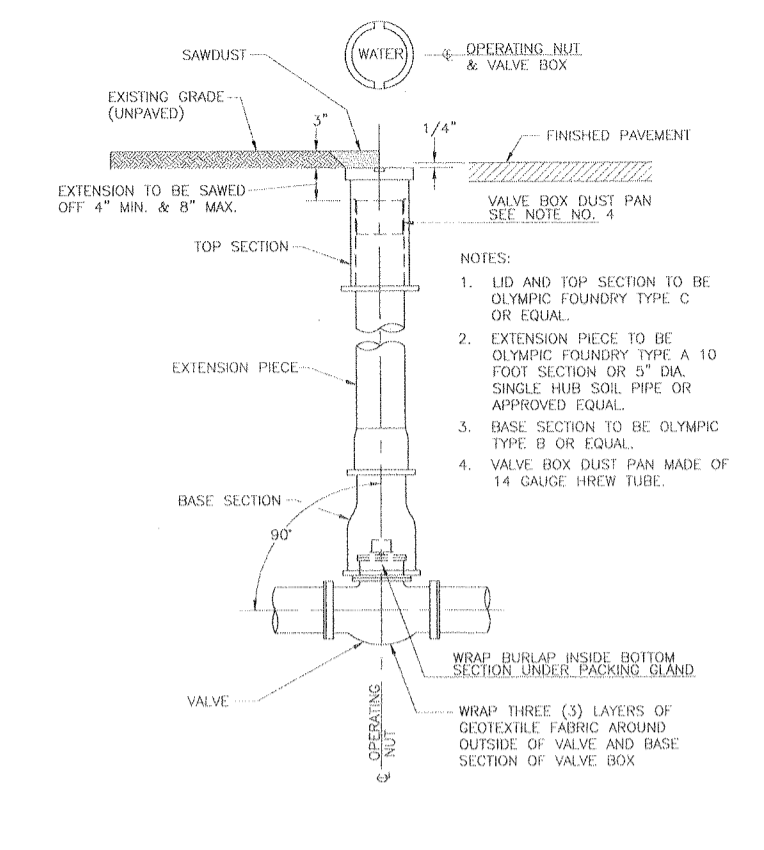
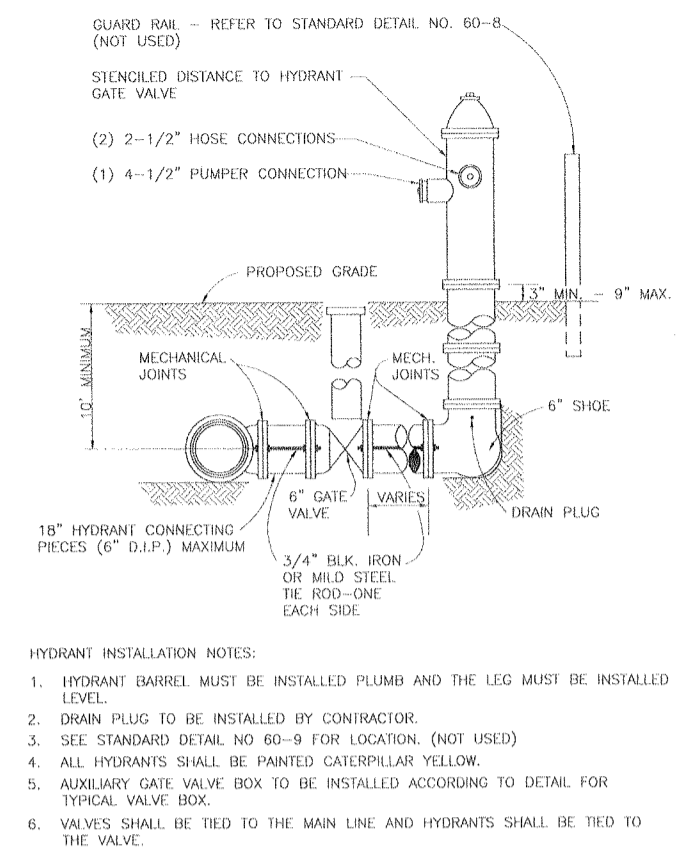
Sheet Title  
**SITE CROSS SECTIONS**

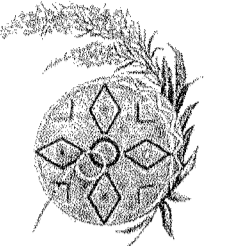
Scale	AS SHOWN
Designed	DM
Date	6/20/00
Checked	
Approved by	DM
Job Number	06-003
Sheet Number	



Number	Date	By	Description of Revisions

Scale: AS SHOWN  
Designed: DML Draw: EK  
Date: 6/26/90 Checked:  
Approved By: DML Job Number: 90-003  
Sheet Number:





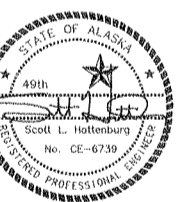
**Southcentral  
Foundation**

4501 Diplomacy Drive  
Anchorage, Alaska 99508  
Phone (907) 360-2715  
Fax (907) 265-5925

**PCC II**

**Footing and  
Foundation  
Package**

**LCMF Incorporated**  
A subsidiary of Ukpeagvik Inupiat Corporation  
Anchorage, Alaska (907) 562-1830  
Barrow, Alaska (907) 852-8212

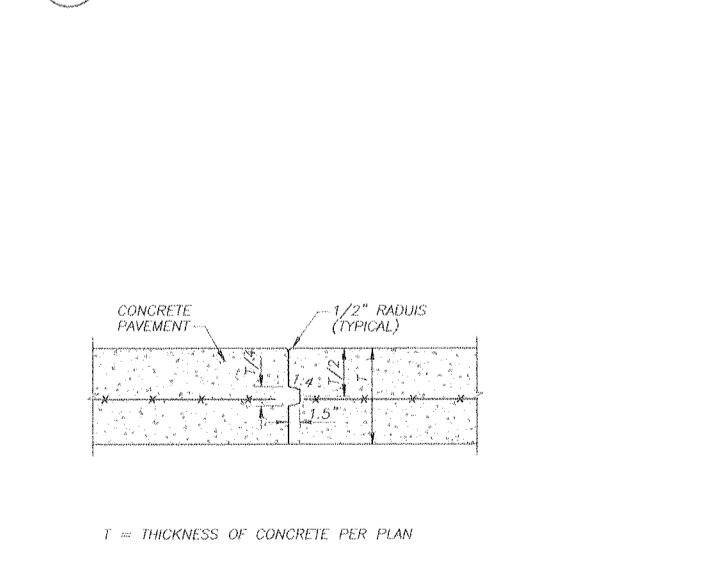
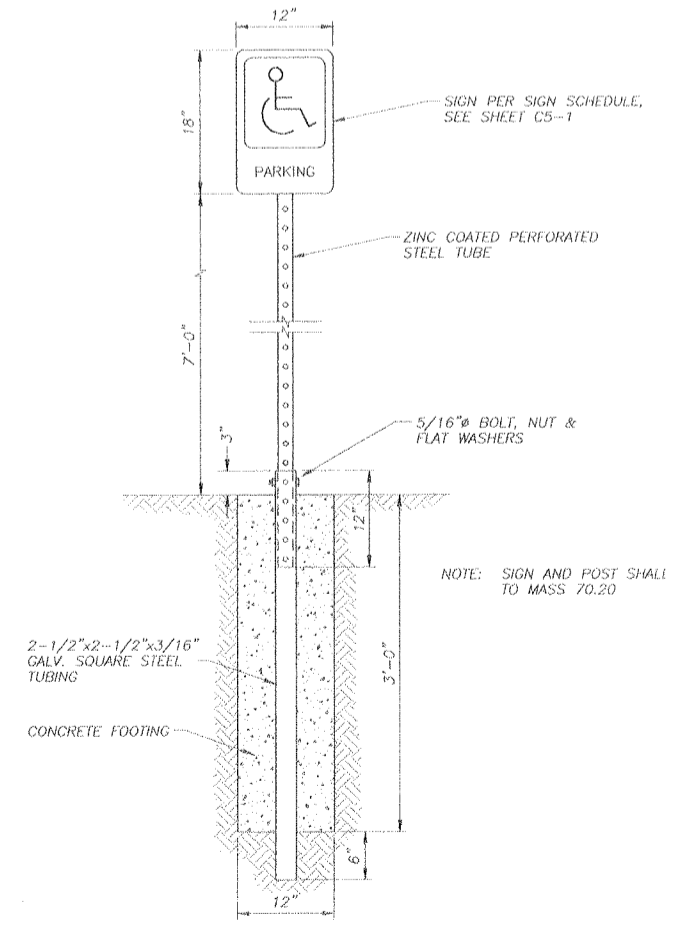
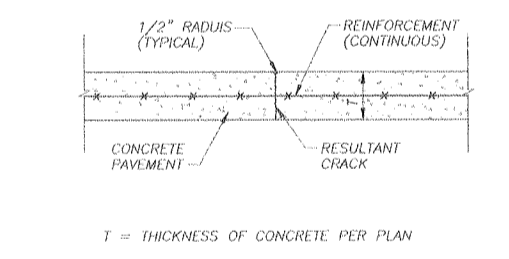
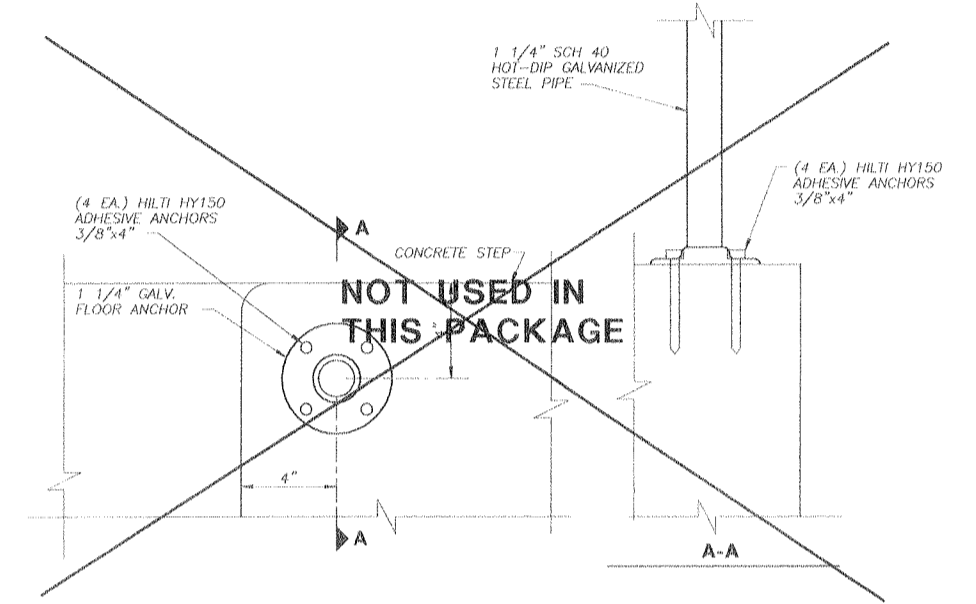
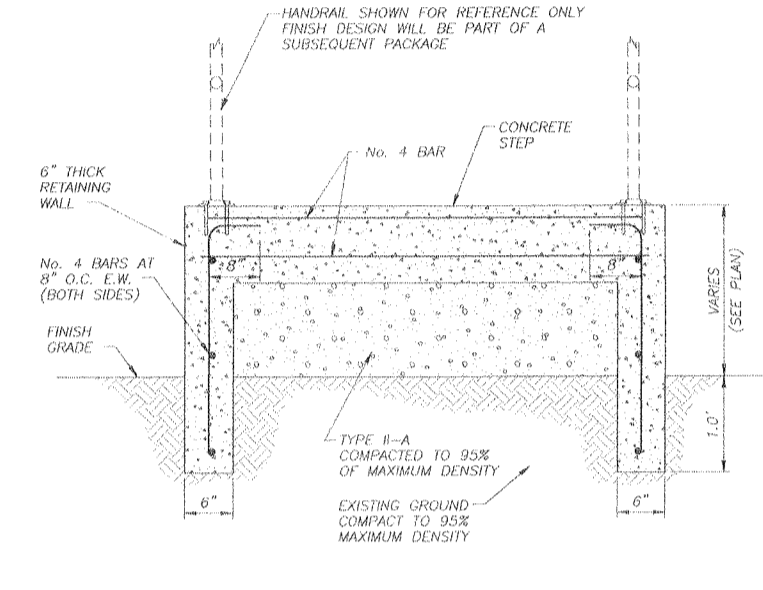
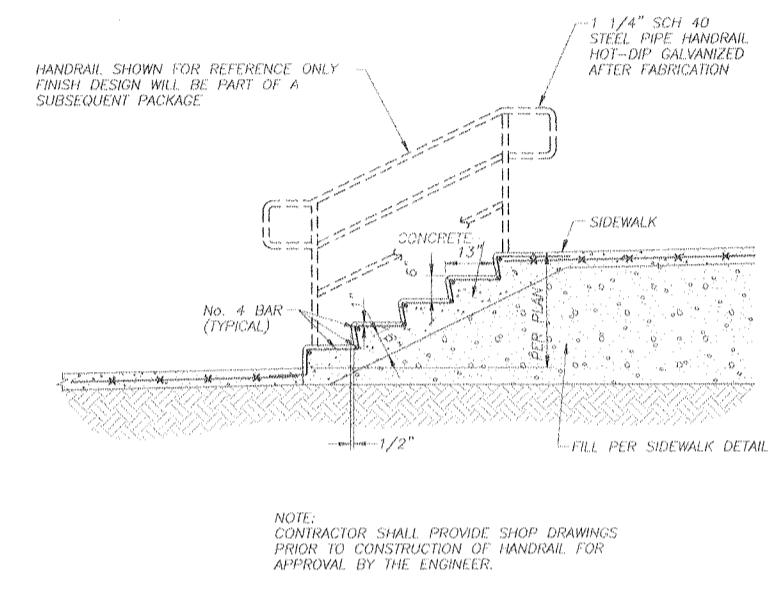
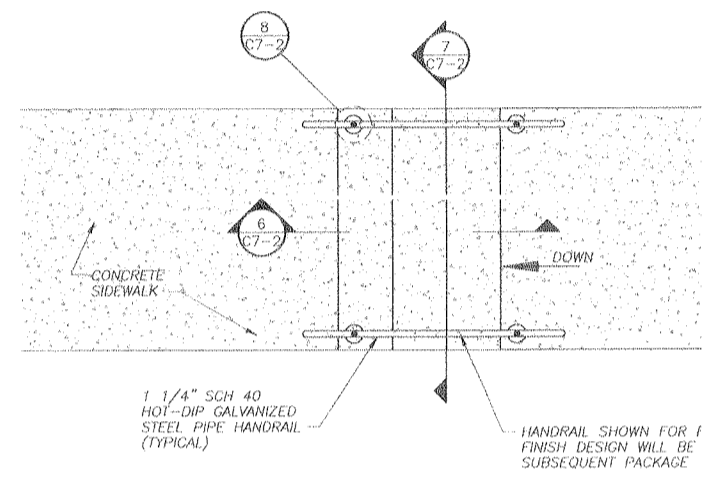
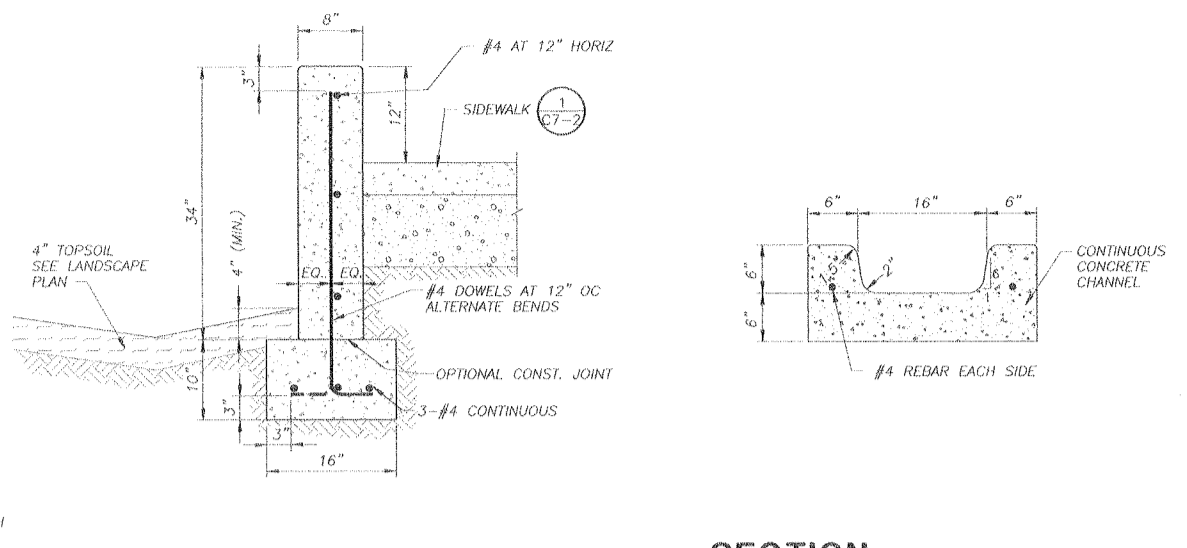
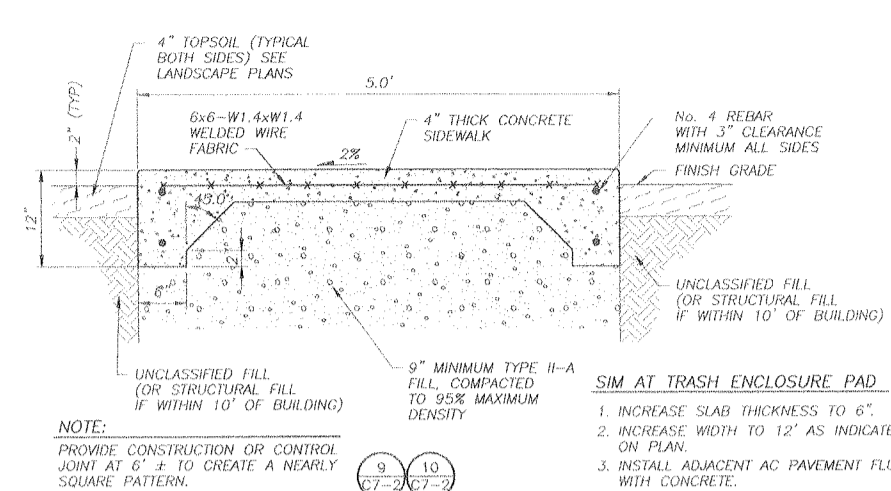
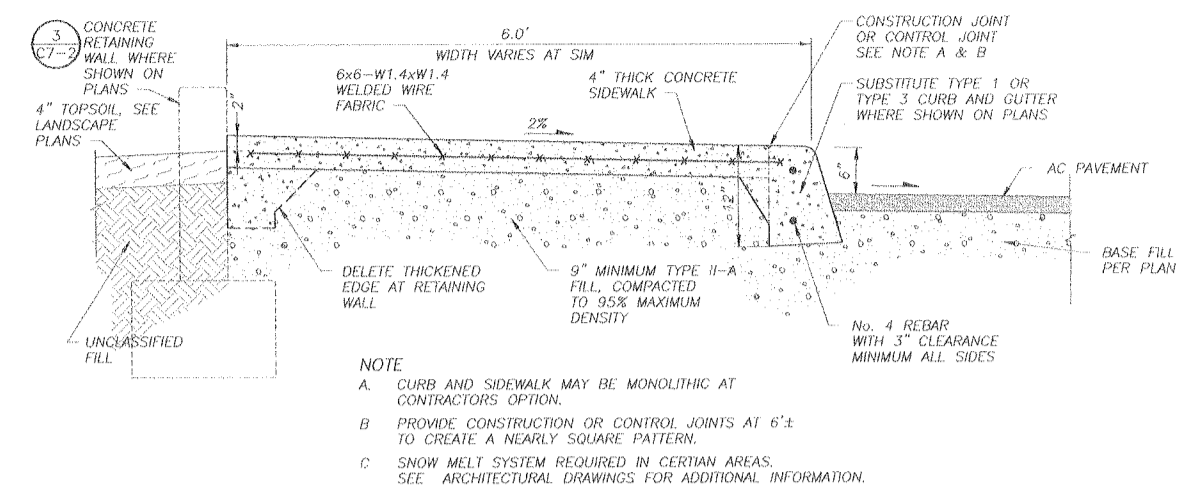


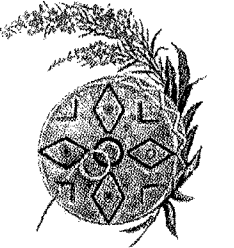
Number Date By Description of Revisions

Sheet Title  
**CIVIL DETAILS**

Scale AS SHOWN  
Designed DWL Drawn KK  
Date 6/26/00 Checked  
Approved By DWL Job Number 00-003

Sheet Number



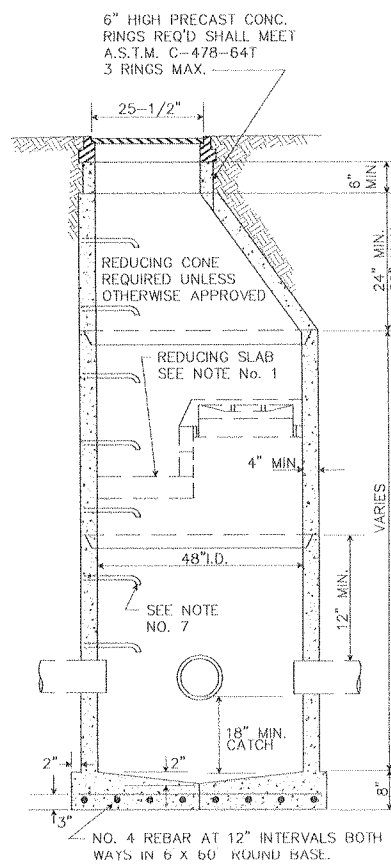


**Southcentral  
Foundation**

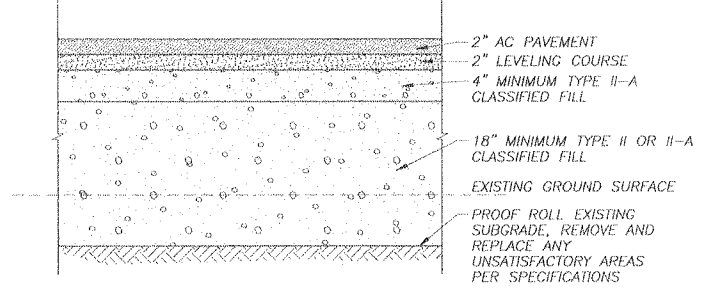
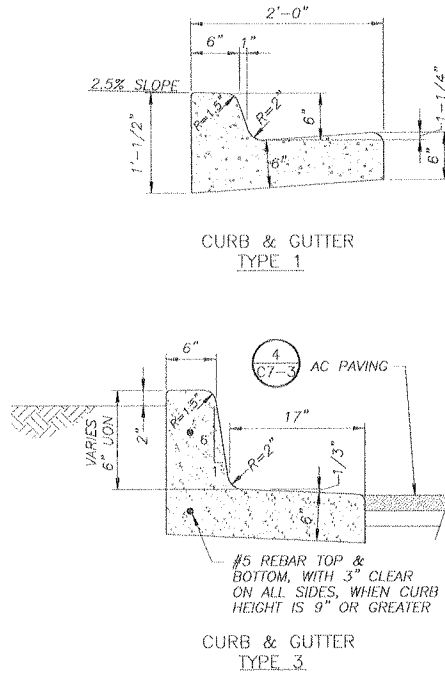
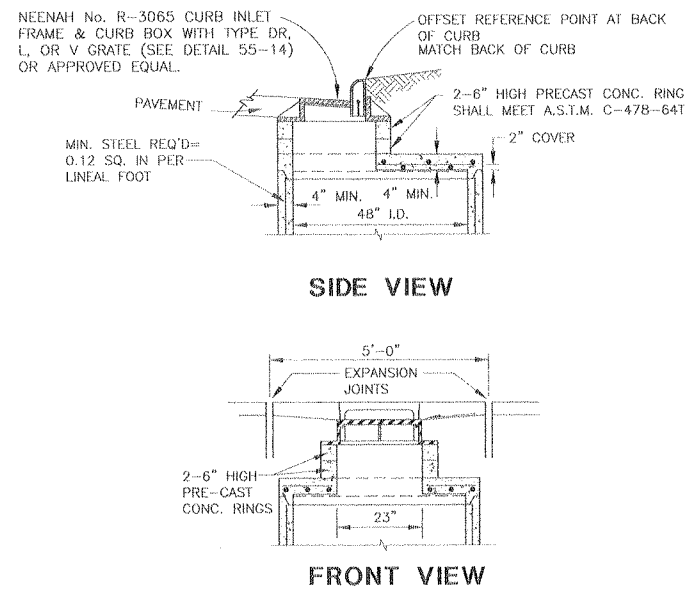
4501 Diplomacy Drive  
Anchorage, Alaska 99508  
Phone (907) 360-2715  
Fax (907) 265-5925

**PCC II**

**Footing and  
Foundation  
Package**



- NOTES:
- STORM DRAIN CATCH BASIN NO 1 & 2, DELETE REDUCING CONE AS SHOWN IN THIS DETAIL AND INSTALL REDUCING SLAB AND CURB INLET.
  - REFER TO A.S.T.M. DESIGNATION C-478-69 FOR DESIGN REQUIREMENTS.
  - SEE MANHOLE FRAME & COVER DETAIL NO. 55-10 & 55-11.
  - MIN. STEEL REQ'D FOR BARREL AS PER A.S.T.M. C-478-69 SHALL BE IMBEDDED IN BASE SO THAT FIRST BARREL SECTION IS CONNECTED WITH BASE.
  - PRIMARY LEADS NOT TO EXCEED 30° CMP, PCMP, CPEP OR 27° RCP WITH INCLUDED ANGLE BETWEEN LEADS NO LESS THAN 135° OR PRIMARY LEAD NOT TO EXCEED 24° CMP, PCMP, CPEP OR 21° RCP WITH INCLUDED ANGLE LESS THAN 135°.
  - BLOCKOUTS TO BE FORMED.
  - RINGS TO BE PLACED 12" ON CENTER ON UNOBSTRUCTED SIDE OF MANHOLE 18" MAX. FROM BOTTOM OF MANHOLE & 6" MAX. FROM TOP OF CONE. IF UNOBSTRUCTED SIDE NOT AVAILABLE, BOTTOM RING TO BE PLACED 6" OVER SMALLEST PIPE. SEE RING (MANHOLE STEP) DETAIL NO. 55-7 & 55-8.



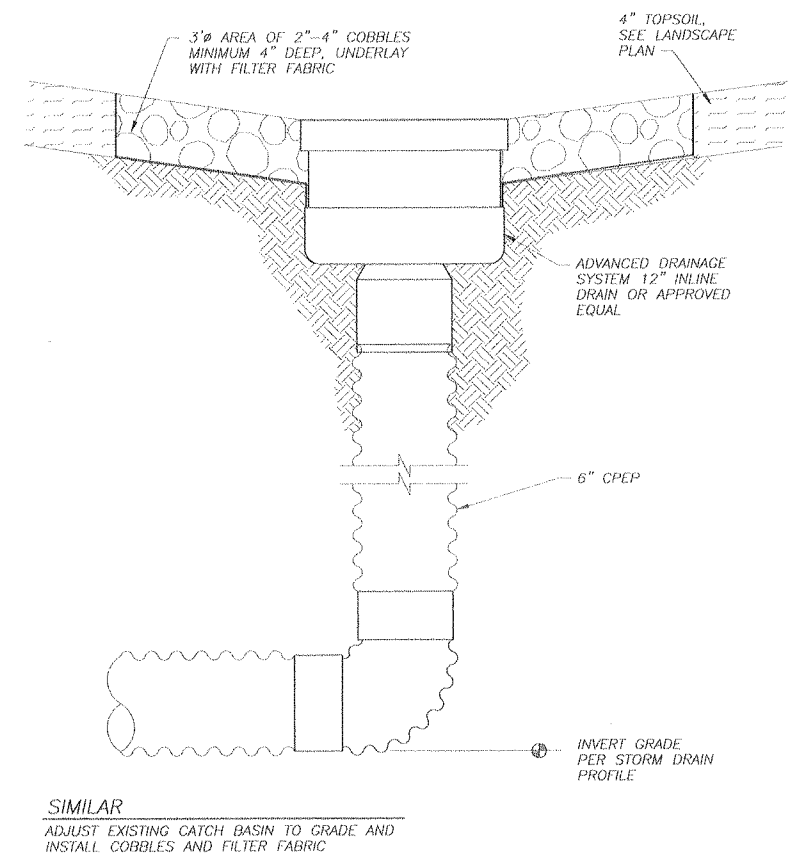
- NOTES:
- IF ADDITIONAL FILL MATERIAL IS REQUIRED USE TYPE II OR TYPE IIA OR NATIVE SOIL WITH LESS THAN 40% PASSING THE #200 SIEVE.
  - ALL FILL TO BE COMPACTED TO 95% MAXIMUM DRY DENSITY.
  - WHEN NEW PAVEMENT IS INSTALLED WHERE EXISTING PAVEMENT HAS BEEN REMOVED, CONTRACTOR SHALL PROOF ROLL EXISTING BASE MATERIAL AND FILL TO REQUIRED SUBGRADE WITH LEVELING COURSE.

1 STORM DRAIN MANHOLE  
SCALE: 1" = 1'

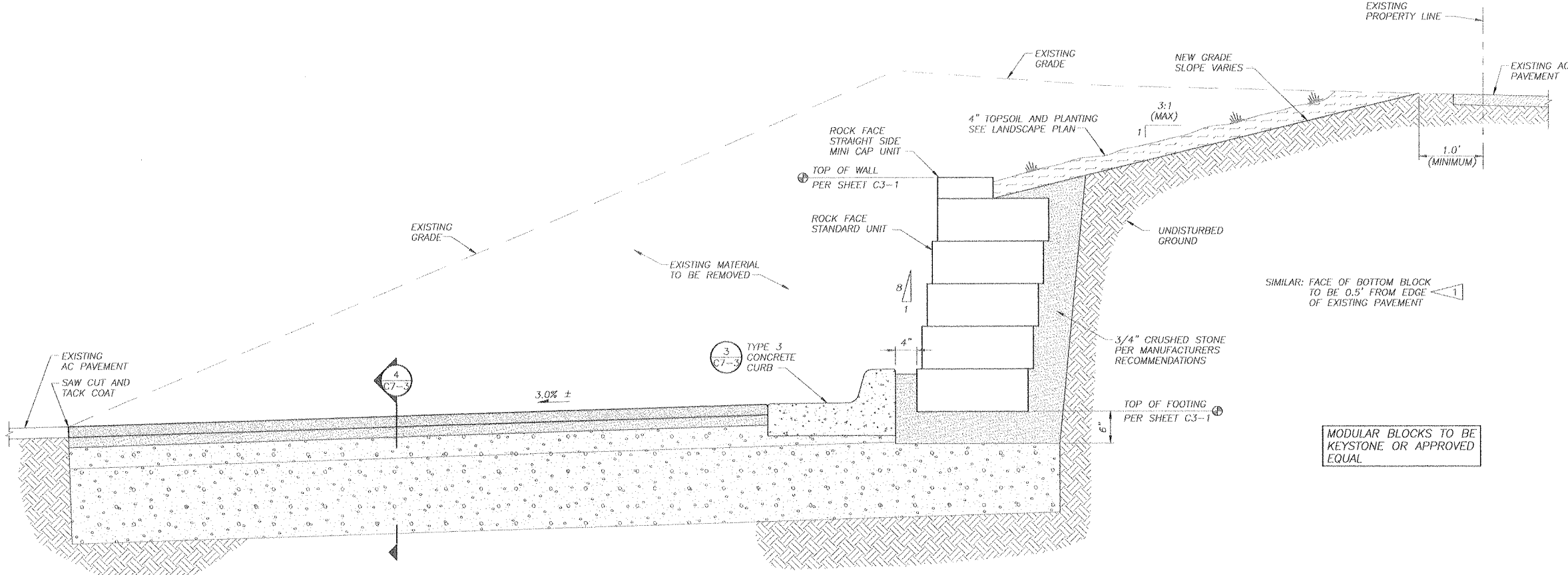
2 CATCH BASIN CURB INLET  
SCALE: 1" = 1'

3 CURB AND GUTTER SECTIONS  
SCALE: 1" = 1'

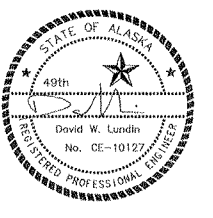
4 SECTION - PAVEMENT  
SCALE: 1" = 1'



5 STORM DRAIN DROP INLET  
SCALE: 1/2" = 1'



6 SECTION - MODULAR BLOCK RETAINING WALL  
SCALE: 1" = 1'









Number	Date	By	Description of Revisions

Sheet Title  
**CIVIL DETAILS**

Scale	AS SHOWN
Designed	DWL
Drawn	IK
Date	6/26/00
Checked	
Approved By	DWL
Job Number	00-003

Sheet Number

**LEGEND (THIS SHEET)**

-  EXISTING STORM DRAIN INLET WITH STORM DRAIN INLET PROTECTION
-  PROPOSED STORM DRAIN INLET WITH STORM DRAIN INLET PROTECTION
-  HAY BALE
-  SILT FENCE
-  PRESERVE VEGETATION
-  MULCHING

**STORMWATER POLLUTION PREVENTION BMP'S AND CONTROLS**

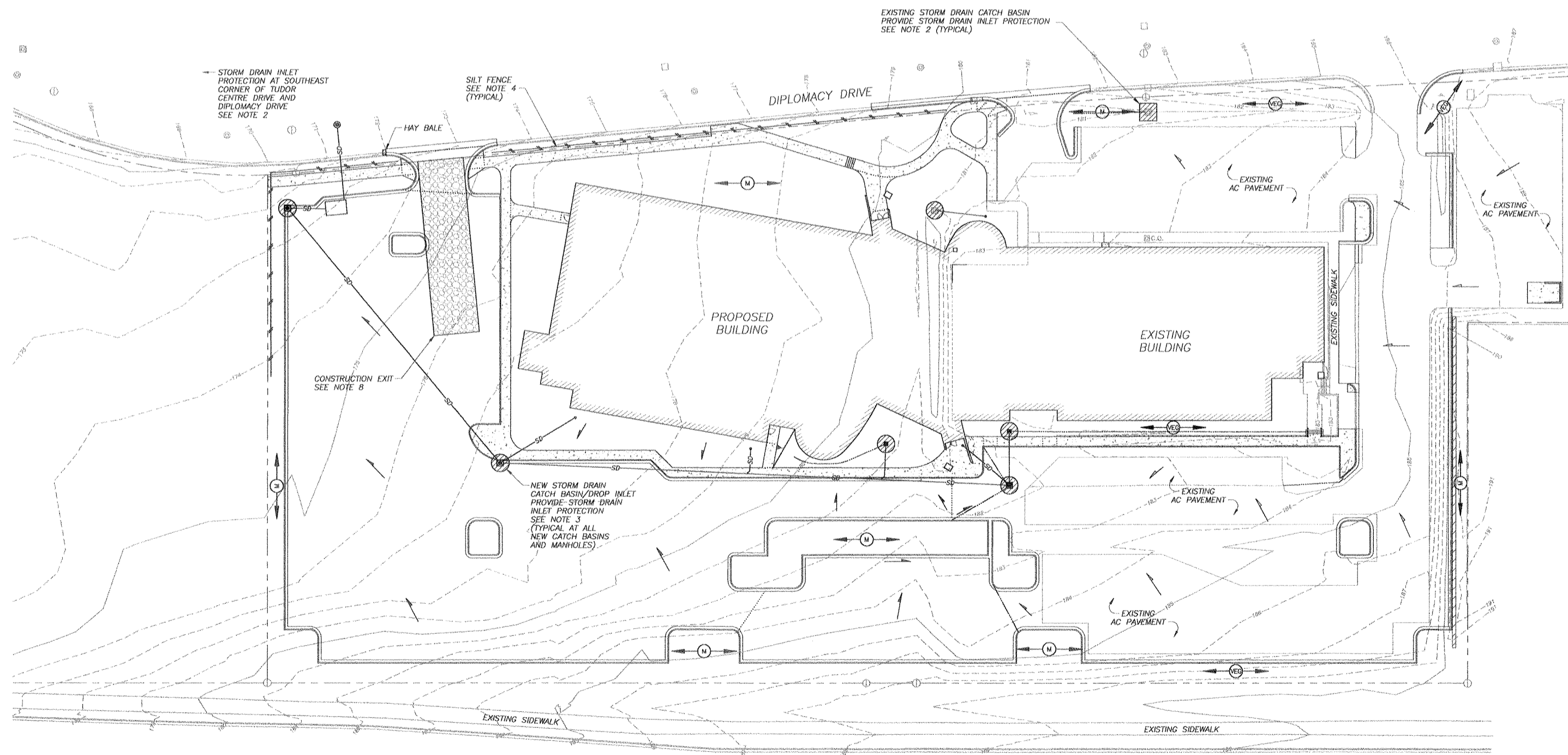
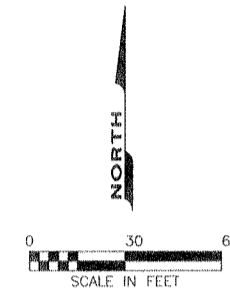
**Temporary BMP's**

Because construction is confined to relatively flat terrain the potential for erosion is low.

- Best management practices to be used by the Contractor during construction shall include:
- Minimizing disturbance of existing vegetation.
  - Sequencing project activities to reduce exposure of disturbed land to wind and precipitation.
  - Considering current and past weather forecast prior to initiating activities which have the potential for erosion or sedimentation.
  - Mulching disturbed soils within 7 days of completing a construction activity in an area.
  - Trapping sediment by using temporary sediment control measures such as silt fences, straw bales, storm drain inlet protection, and pipe wraps.
  - Maintaining a stabilized construction exit.
  - Sweeping paved surfaces as required.

**NOTES**

1. SEE SHEET C2.1 FOR SITE PLAN.
2. INSTALL HAY BALES AROUND EXISTING STORM DRAIN CATCH BASINS DESIGNATED FOR STORM DRAIN INLET PROTECTION ON THIS SHEET TO PREVENT SEDIMENT FROM ENTERING STORM DRAIN SYSTEM.
3. INSTALL FILTER FENCE FABRIC AROUND NEW STORM DRAIN CATCH BASIN PER MUNICIPALITY OF ANCHORAGE "EROSION AND SEDIMENT CONTROL AND MATERIALS CONTAINMENT GUIDANCE MANUAL", DATED JANUARY 1998.
4. INSTALL SILT FENCE PER MUNICIPALITY OF ANCHORAGE "EROSION AND SEDIMENT CONTROL AND MATERIALS CONTAINMENT GUIDANCE MANUAL", DATED JANUARY 1998.
5. WRAP FILTER FABRIC AROUND THE ENDS OF OPEN STORM DRAIN PIPE TO PREVENT SEDIMENT FROM ENTERING THE STORM DRAIN SYSTEM DURING CONSTRUCTION. REMOVE ALL FABRIC FROM PIPE WHEN FINAL CONNECTIONS ARE MADE. WRAP ALL IN-PLACE OPEN PIPE AT THE END OF EACH WORK DAY.
6. OFFSITE TRACKING OF SEDIMENTS BY CONSTRUCTION VEHICLES SHALL BE COLLECTED BY A SWEEPER WHICH PICKS UP THE MATERIAL IT COLLECTS. PAVED SURFACES, INCLUDING STREET ENTRANCES AND HAUL ROUTES SHALL BE CLEANED OF PROJECT SEDIMENTS REGULARLY.
7. INSPECT EROSION AND SEDIMENT CONTROL PRACTICES CONTINUOUSLY. ENSURE ALL PRACTICES ARE FUNCTIONING AS INTENDED. MAINTAIN PRACTICES AS NEEDED.
8. INSTALL STABILIZED CONSTRUCTION EXIT PER MUNICIPALITY OF ANCHORAGE "EROSION AND SEDIMENT CONTROL AND MATERIALS CONTAINMENT GUIDANCE MANUAL", DATED JANUARY 1998.
9. IF DEWATERING IS REQUIRED, DISCHARGE MUST BE INTO A SEDIMENT TRAP PER MUNICIPALITY OF ANCHORAGE "EROSION AND SEDIMENT CONTROL AND MATERIALS CONTAINMENT GUIDANCE MANUAL", DATED JANUARY 1998.
10. PRESERVE EXISTING VEGETATION DESIGNATED TO REMAIN AS SHOWN ON SHEET C1-2. INSTALL FENCING AND FLAGGING PER SPECIFICATIONS.
11. INSTALL MULCHING IN LANDSCAPE AREAS AS SOON AS PRACTICAL. SEE LANDSCAPE PLANS.
12. PROVIDE DUST CONTROL BY SPRINKLING WITH WATER AS NECESSARY.

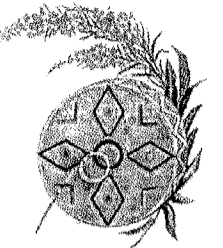


**EROSION AND SEDIMENT CONTROL PLAN**

SCALE: 1" = 30'

**NBBJ**

111 South Jackson Street  
Seattle, Washington 98104  
(206) 223-5555  
Fax (206) 621-2300



**Southcentral  
Foundation**

4501 Diplomacy Drive  
Anchorage, Alaska 99508  
Phone (907) 360-2715  
Fax (907) 265-5925

**PCC II**

**Footing and  
Foundation  
Package**

**LCMF Incorporated**  
A subsidiary of Utkongvik Bluplat Corporation  
Anchorage, Alaska (907) 562-1830  
Barrow, Alaska (907) 852-8212



Number	Date	By	Description of Revisions

Sheet Title  
**EROSION AND SEDIMENT CONTROL PLAN**

Scale AS SHOWN  
Designed DAR Drawn DAR  
Date 6/26/00 Checked  
Approved By DWL Job Number 00-003

Sheet Number

**C8-1**