PROJECT DESCRIPTION

THE SCOPE OF THIS PROJECT IS TO EXTEND THE BYPASS ROAD OF THE ANCHORAGE READINESS CENTER (ARC) PARKING AREA.

PROJECT TEAM

McCOOL CARLSON GREEN ARCHITECTS

R&M CONSULTANTS, INC.

RSA ENGINEERS

SHEET INDEX

DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
STATEWIDE PUBLIC FACILITIES

DEPARTMENT OF MILITARY
AND VETERANS AFFAIRS
FACILITIES MAINTENANCE OFFICE

STATE OF ALASKA

DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES STATEWIDE PUBLIC FACILITIES

CAMP DENALI POV PARKING UPGRADES

CAMP DENALI READINESS CENTER BYPASS ROAD, JBER, ALASKA 99505

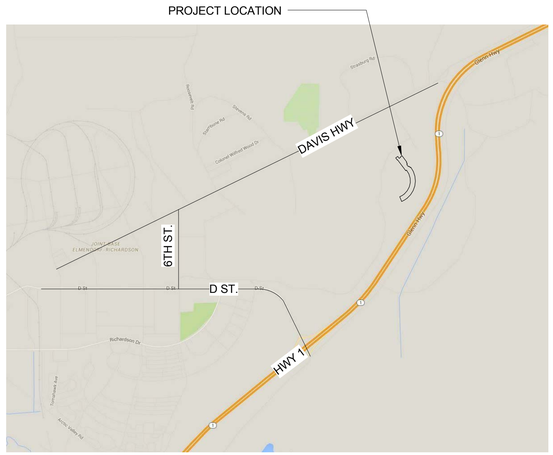
PROJECT NO. 81227

100% CONSTRUCTION DOCUMENTS

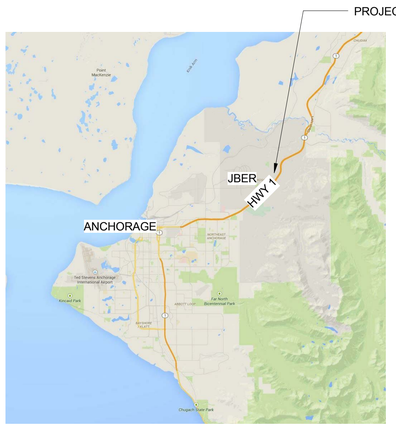
GENERAL NOTES

REFER TO CIVIL

VICINITY MAP



LOCATION MAP



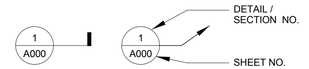
STANDARD ABBREVIATIONS

A	ACRYLIC COATING
AB	ANCHOR BOLT
ACOUST	ACOUSTICAL
ADD	ADDITIVE
ADJ	ADJUSTABLE
AFF	ABOVE FINISH FLOOR
AK	ALASKA
ALT	ALTERNATE
AL/ALUM	ALUMINUM
APPROX	APPROXIMATE
APT	APARTMENT
ARCH	ARCHITECTURAL
AWW	ACRYLIC WALL COATING
AT	ACOUSTIC TILE
AWC	ALUMINUM WINDOW WALL
B	BATH
BD	BOARD
BDRM	BEDROOM
BLD/BLDG	BUILDING
BM	BEAM
BOD	BOTTOM OF DECK
BOT	BOTTOM
BSMT	BASEMENT
BTWN	BETWEEN
CAB	CABINET
CAR	CARPET
CB	COVE BASE
CIP	CAST IN PLACE
CJ	CONTROL JOINT
CLG	CEILING
CLO	CLOSET
CLR	CLEAR
COL	COLUMN
CONF	CONFERENCE
CMP	CORRUGATED METAL PIPE
CMU	CONCRETE MASONRY UNITS
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
COORD	COORDINATE
CORR	CORRIDOR
CUH	CABINET UNIT HEATER
CT	CERAMIC TILE
℄	CENTERLINE
CTSK	COUNTERSUNK
D	DEEP
DBL	DOUBLE
DF	DRINKING FOUNTAIN
DIA/□	DIAMETER
DIM	DIMENSION
DISP	DISPENSER
DN	DOWN
DOT/PF	ALASKA DEPARTMENT OF TRANSPORTATION/PUBLIC FACILITIES
DTL	DETAIL
DW	DISHWASHER
DWG	DRAWING
DWR	DRAWER
(E)	EXISTING
EA	EACH
E/A	EXHAUST AIR
ELEC	ELECTRICAL
EL/ELEV	ELEVATION
ELEV	ELEVATOR
ENCL	ENCLOSURE
EPDM	ETHYLENE PROPYLENE DIENE MONOMER
EQ	EQUAL
ESC	ESCALATOR
EX/EXIST	EXISTING
EXP	EXPOSED STRUCTURE (NO CEILING)
EXT	EXTERIOR
EXWD	EXISTING WOOD CEILING

FAF	FLUID APPLIED SPORTS FLOORING
FD	FLOOR DRAIN
FDN	FOUNDATION
FE	FIRE EXTINGUISHER
FIN	FINISH
FIXT	FIXTURE
FF	FACTORY FINISH
FLASH	FLASHING
FLR	FLOOR
FOF	FACE OF FINISH
FOS	FACE OF STUD
FPW	FIRE RETARDANT TREATED PLYWOOD
FRP	FIBERGLASS REINFORCED PLASTIC
FRT	FIRE RETARDANT TREATED
FT	FOOT OR FEET
FTG	FOOTING
FURR	FURRING
GA	GAUGE
GALV	GALVANIZED
GFRC	GLASS FIBER REINFORCED CEMENT
GL	GLASS
GWB	GYPSUM WALLBOARD
GYP	GYPSUM
H	HIGH
HDPB	HIGH DENSITY PARTICLE BOARD
HDW	HARDWARE
HDWD	HARDWOOD
HORIZ	HORIZONTAL
HP	HORSEPOWER
HR	HOUR
HT	HEIGHT
ID	INSIDE DIAMETER
INCL	INCLUDING
INSUL	INSULATION / INSULATING
INT	INTERIOR
IRMA	INSULATED ROOF MEMBRANE ASSEMBLY
JAN	JANITOR
JT	JOINT
KIT	KITCHEN
L	LONG
LAM	LAMINATED
LAV	LAVATORY
LS	LAG SCREW
M	MEN
MATL	MATERIAL
MAX	MAXIMUM
MB	MARKER BOARD
MBR	MEMBER
MECH	MECHANICAL
MFP	METAL FACED PLYWOOD
MFR	MANUFACTURER
MFRD	MANUFACTURED
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MTL	METAL
MULL	MULLION
N	NONE / NOT APPLICABLE
NIC	NOT IN CONTRACT
NOM	NOMINAL
NTS	NOT TO SCALE

O/	OVER
O/A	OUTSIDE AIR
OC	ON CENTER
OD	OUTSIDE DIAMETER
O.F./C.I.	OWNER FURNISHED CONTRACTOR INSTALLED
OFD	OVER FLOW DRAIN
OFF	OFFICE
OH	OPPOSITE HAND / OVERHEAD
OPNG	OPENING
OPP	OPPOSITE HAND
P	PAINT
PC	PORCELAIN CERAMIC TILE
PERF	PERFORATED
P-LAM	PLASTIC LAMINATE
PLWD	PLYWOOD
PLY	PLYWOOD WAINSCOT
PP	PLASTIC PANEL WAINSCOT
PS	PROJECTION SCREEN
PT	PRESERVATIVE TREATED
PNL	PANEL
PR	PAIR
R	RADIUS / RISER
RAF	RAISED ACCESS FLOOR
R/A	RETURN AIR
RB	RUBBER BASE
RD	ROOF DRAIN
REF	REFERENCE / REFRIGERATOR
REINF	REINFORCED
REQ'D	REQUIRED
REV	REVISED/REVISION
RG	REFRIGERATOR
RF	ROOF
RM	ROOM
RO	ROUGH OPENING
RT	RUBBER TILE
RTT	RUBBER TIRE TILE
RUB	RUBBER ANTI-SLIP
S	SEALER
SB	SMOKE BARRIER
SAC	SUSPENDED ACOUSTICAL CEILING
S/A	SUPPLY AIR
SCHED	SCHEDULE
SEC	SECRETARY
SECT	SECTION
SF	SQUARE FOOT
SHT	SHEET
SHTG	SHEATHING
SHR	SHOWER
SIM	SIMILAR
SM	SURFACE MOUNT
SPECS	SPECIFICATIONS
SQ	SQUARE
SS	STAINLESS STEEL
STD	STANDARD
STL	STEEL
STRUCT	STRUCTURAL
ST STL	STAINLESS STEEL
SUSP	SUSPENDED
SV	SHEET VINYL
T	TOILET
TEL	TELEPHONE
T&G	TONGUE & GROOVE
TOB	TOP OF BEAM
TOD	TOP OF DECK
TOEB	TOP OF EXISTING BEAM
TOED	TOP OF EXISTING DECK
TOEJ	TOP OF EXISTING JOIST
TOEP	TOP OF EXISTING PARAPET
TOJ	TOP OF JOIST
TOP	TOP OF PARAPET
TP	TOILET PAPER
TR	TREADS
TS	TACK SURFACE
TYP	TYPICAL
UBC	UNIFORM BUILDING CODE
UL	UNDERWRITERS LABORATORY
UNO	UNLESS NOTED OTHERWISE
VT	VINYL TILE
VR	VAPOR RETARDER
VERT	VERTICAL
VEST	VESTIBULE
VST	STAIR TREAD
W	WIDE / WOMEN
W/	WITH
WC	WATER CLOSET
WD	WOOD
WFB	WOOD FIBER BOARD
WOM	WALK OFF ENTRY CARPET
WRGWB	WATER RESISTANT GYPSUM WALLBOARD
W/O	WITHOUT
WP	WATERPROOF
WWF	WELDED WIRE FABRIC

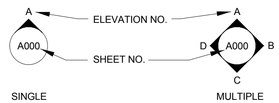
NOTE: Reference Schedules, Structural, Mechanical, Electrical for additional abbreviation legends.



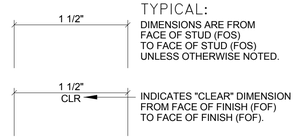
DETAIL SYMBOL

WALL SECTION SYMBOL

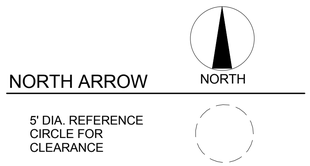
BUILDING SECTION SYMBOL



ELEVATION SYMBOLS



DIMENSIONING CONVENTIONS



NORTH ARROW

MISCELLANEOUS SYMBOLS

DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES STATEWIDE PUBLIC FACILITIES

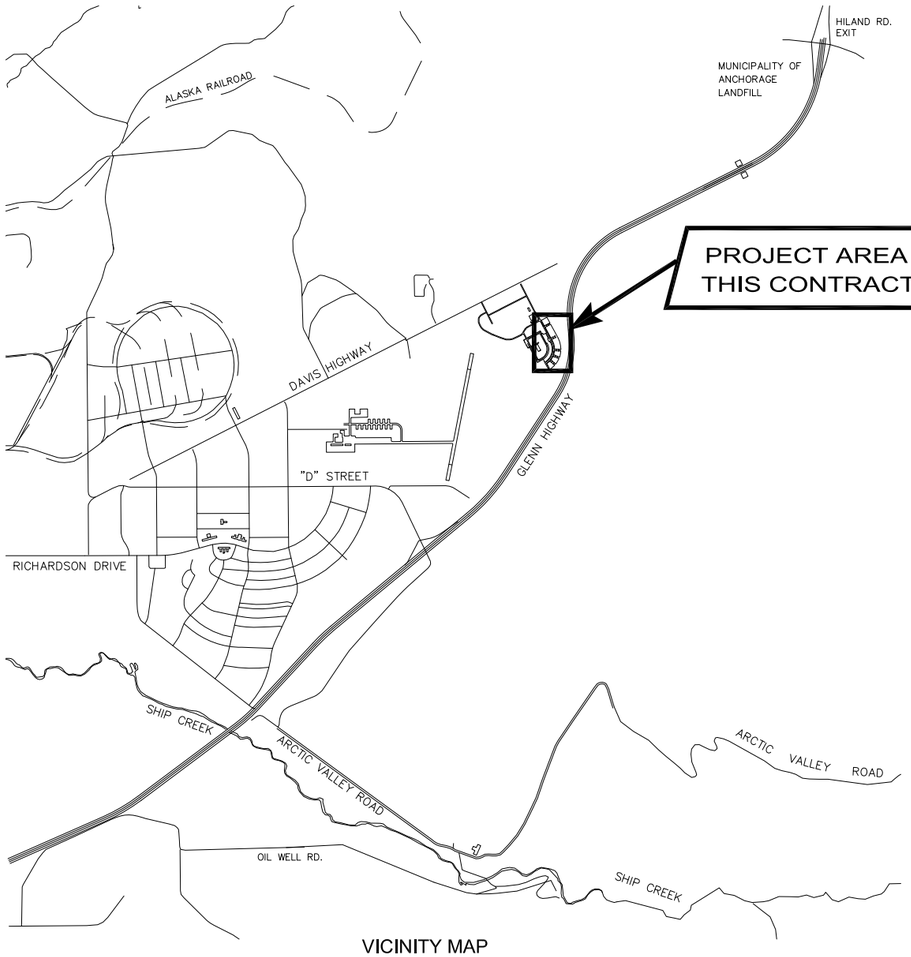
DEPARTMENT OF MILITARY AND VETERANS AFFAIRS FACILITIES MAINTENANCE OFFICE

CAMP DENALI POV PARKING UPGRADES

SCALE:	
DRAWN BY:	NMH
PROJ. MGR.:	NMH
DATE:	6-26-2015
FILE NO:	2012005.18

SHEET NO.

G101



VICINITY MAP

JBER, ALASKA

ABBREVIATIONS

BOP	BEGINNING OF PROJECT
CL	CENTERLINE
CPEP	CORRUGATED POLYETHYLENE PIPE
DIA	DIAMETER
E	EASTING
EA	EACH
EOP	END OF PROJECT
EXIST	EXISTING
F&I	FURNISH AND INSTALL
FG	FINISH GRADE
FT	FEET
GB	GRADE BREAK
INV	INVERT
LF	LINEAL FEET
L	LEFT
MAX	MAXIMUM
ME	MATCH EXISTING
MIN	MINIMUM
N	NORTHING
N.I.C.	NOT IN CONTRACT
NTS	NOT TO SCALE
O.C.	ON CENTER
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
PT	POINT OF TANGENCY
R	RADIUS
ROW	RIGHT OF WAY
RP	RADIUS POINT
RT	RIGHT
STA	STATION
TYP	TYPICAL

DRAWING INDEX:

LINE, SYMBOL, AND HATCH LEGEND

PROPOSED	EXISTING	
	-FO-	FIBEROPTIC LINE
	-COM/E-	UNDERGROUND ELECTRIC LINE
	-G-	UNDERGROUND GAS LINE
	-C-	COMMUNICATIONS LINE
	-W-	WATER LINE
	-S-	SEWER LINE
	-UE-	UNDERGROUND ELECTRIC LINE
	○	BOLLARD
90	90	CONTOUR
		CULVERT
		DRAINAGE DITCH
	-x-x-	FENCE
		FLOW DIRECTION
		LUMINARE
		SIGN
		TREE / SHRUB
		EXISTING ASPHALT PAVEMENT
		ASPHALT PAVEMENT REPLACEMENT
		ASPHALT PAVEMENT WITH STRUCTURAL SECTION

GENERAL NOTES

A. ALL CIVIL WORK SHALL BE IN ACCORDANCE WITH THE ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2015 EDITION (SSHC 2015), AND THE PROJECT MODIFICATIONS.

B. FIELD SURVEY PERFORMED BY R&M CONSULTANTS JANUARY 19, 2015 THRU FEBRUARY 5, 2015. SEE SHEET C2 FOR SURVEY CONTROL DIAGRAM.

C. NO SITE SPECIFIC FIELD GEOTECHNICAL INVESTIGATION WAS PERFORMED FOR THIS PROJECT. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS AND NOTIFY ENGINEER IF PLANS DO NOT MATCH EXISTING SITE CONDITIONS.

D. LOCATIONS OF UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR SHALL OBTAIN UTILITY FIELD LOCATES PRIOR TO EXCAVATION OR GRADING ACTIVITIES, VERIFY THE EXACT HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES ENCOUNTERED IN THE FIELD AND SHALL RECORD SAME ON CONTRACTOR RECORD DRAWINGS.

E. ALL EXISTING SITE IMPROVEMENTS SHALL BE LEFT IN PLACE UNLESS NOTED OTHERWISE.

F. STORM WATER POLLUTION PREVENTION PLAN, SUBMITTAL AND ENFORCEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR.

G. CONTRACTOR SHALL COORDINATE UTILITY LOCATES WITH JBER LOCATE SERVICES.

LOCATE CALL CENTER OF ALASKA, INC
ANCHORAGE AREA ONLY 278-3121
STATEWIDE (TOLL FREE) 1-800-478-3121
CALL BEFORE YOU DIG

CALL BEFORE YOU DIG!

LOCATE CALL CENTER
ANCHORAGE AREA. . . . . .
STATEWIDE 800-478-3121

WHO WILL NOTIFY THE FOLLOWING:

ALASKA COMMUNICATIONS SYSTEMS – ALASKA DOT/ANCHORAGE STREET LIGHTS
ANCHORAGE DEPARTMENT OF PUBLIC WORKS – ANCHORAGE SCHOOL DISTRICT
ANCHORAGE WATER AND WASTEWATER UTILITY – AT&T ALASCOM
CHUGACH ELECTRIC ASSOCIATION – ENSTAR NATURAL GAS COMPANY
MUNICIPAL LIGHT & POWER DEPARTMENT – GCI

STATE OF ALASKA 49TH
Chris Black
No. CE 12147
7/2/15
REGISTERED PROFESSIONAL ENGINEER

REVISIONS | DATE

DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES STATEWIDE PUBLIC FACILITIES
DEPARTMENT OF MILITARY AND VETERANS AFFAIRS FACILITIES MAINTENANCE OFFICE

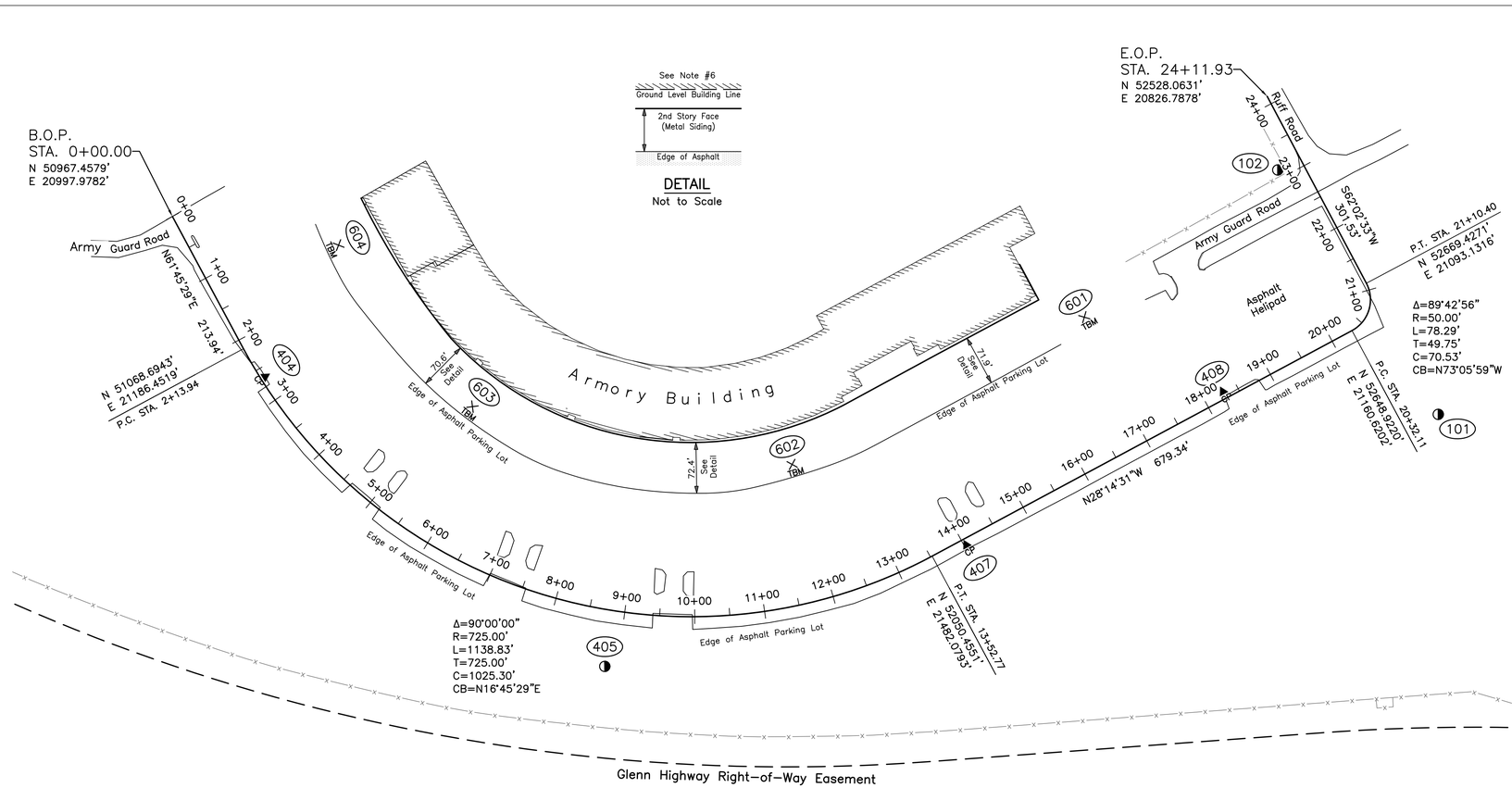
CAMP DENALI POV PARKING UPGRADES
DOT/PF PROJECT NO. 81227

LEGEND - NOTES - ABBREVIATIONS

SCALE: N/A
DRAWN BY: CWB
PROJ. MGR.: DRP
DATE: 6-26-15
FILE NO: 1833.11

SHEET NO.
C1

Z:\project\1833.11 MCG DMVA Tern ARC Bypass Road\Civil\ACAD\Redesign May 24\1833.11-Vicinity Map - Legend - Notes.dwg



HORIZONTAL CONTROL STATEMENT

Coordinate System:
This project is located entirely within a local surface grid coordinate system, expressed in U.S. Survey Feet.

Basis of Coordinates:
The Basis of Coordinates is USACE Control Point "MSTF-1", located approximately 50 Feet west of the centerline of Sixth Street, and approximately 1,225 Feet North of the intersection of Sixth Street and "D" Street, Fort Richardson, Alaska.
NAD83 Geographic
Latitude 61°15'43.63806" N., Longitude 149°41'02.79027" W.
NAD83 Alaska State Plane Zone 4, (U.S. Survey Feet)
North 2,653,361.380 usft, East 1,696,024.600 usft.
Local Project Coordinates, (U.S. Survey Feet)
North 48,721.0469 usft., East 13,135.8329 usft.

Basis of Bearings:
The Basis of Bearings is NAD83, Alaska State Plane Zone 4 grid bearings.

To convert NAD83 Alaska State Plane, Zone 4, coordinates, expressed in U.S. Survey Feet, to local project surface coordinates; scale about 0.0 using 1.000095491 and then translate using −2,604,893.7052' N., −1,683,050.7222' E.

To convert local project surface coordinates to NAD83 Alaska State Plane, Zone 4 coordinates, expressed in U.S. Survey Feet; translate using +2,604,893.7052' N., +1,683,050.7222' E., and then scale about 0.0 using 0.999904518.

VERTICAL CONTROL STATEMENT

The Vertical Datum is NAVD88 in U.S. Survey Feet. Existing USACE Benchmark data was provided by the USACE. A Differential level loop was run between record Benchmarks "FHR-4" and "FHR-5"to confirm record elevations. Differential leveling was also used to establish elevations on all other Temporary Benchmarks and Control Points. Basis of Elevations is USACE Control Station "FHR-5", having and elevation of 333.85 Feet.

NOTES

1. The field survey was performed by R&M Consultants, Inc. (R&M) between January 19, 2015 and February 5, 2015. Field survey information is located in R&M Field Books No. 1833.11 Pages 1 through 36, and Book No. 1158.25 Pages 1 through 20.
2. All dimensions and coordinates shown hereon are in U.S. Survey Feet.
3. The horizontal coordinates for existing survey control points were provided by the U.S. Army Corps of Engineers (USACE). These points were recovered and are the basis of coordinates for this Design Survey. Elevations were established by differential leveling.
4. Horizontal and Vertical control needs to be field verified prior to use.
5. Location of the Glenn Highway Right-of-way Easement was determined from recovery of Control Points 412 and 413 as described in U.S. Survey No.8690, Alaska; and being consistent with the State of Alaska, Department of Highways Right-of-Way Map of Project No. F-042-1(38) (Plat No. 81-238, Anchorage Recording Office).
6. Dimensions shown from west edge of existing pavement to Armory Building were measured to the metal siding face of the second story cantilever. No field measurements were made to the first floor of the Armory Building at ground level.
7. Outline of Armory Building as shown was taken from record drawing, not measured at the time of this survey.

STATE OF ALASKA
49TH
James S. Robar
LS 6095
3/12/2015
Licensed Professional Land Surveyor

LEGEND

- Aluminum Cap on Rebar
- CP PK Nail in Asphalt
- TBM Temporary Benchmark
- (405) Survey Point Number

0 100 200
SCALE IN FEET

SURVEY CONTROL

POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION
*1			48721.0469	13135.8329		Found 3 1/4" USACE Brass Cap Monument: MSTF-1
*2			46731.2310	15611.5033		Found 3 1/4" USACE Brass Cap Monument: FHR-5
101	20+44.02	169.58 Rt	52771.8781	21280.0259	416.88	Set 2" Aluminum Cap on 5/8" x 30" rebar
102	23+12.22	35.87 Lt	52543.1253	20931.6846	411.53	Set 2" Aluminum Cap on 5/8" x 30" rebar
*401			50000.0215	20000.0167	385.33	Found 3" Mag Spike Survey Mark in Asphalt
404	2+71.12	9.82 Lt	51105.9641	21230.3921	401.46	Found 3" Mag Spike Survey Mark in Asphalt
405	8+83.69	80.38 Rt	51583.7737	21639.2222	410.99	Found 2" Aluminum Cap on 5/8" x 30" rebar
407	14+03.11	8.81 Rt	52098.9719	21466.0176	404.97	Set 3" Mag Spike Survey Mark in Asphalt
408	18+32.30	4.56 Lt	52470.7454	21251.1441	406.91	Set 3" Mag Spike Survey Mark in Asphalt
*412			57438.0143	27523.7200		Found 3 1/4" Brass Cap Monument: C4 U.S.S. No.8690
*413			54705.2367	22563.6844		Found 2" stainless steel pipe missing brass cap: C6 U.S.S. No.8690
601	17+04.99	197.37 Lt	52267	21142	412.08	Filed "X" in top North flange bolt of fire hydrant: TBM A
602	11+94.95	197.16 Lt	51851	21351	411.75	Filed "X" in top North flange bolt of fire hydrant: TBM B
603	5+36.55	197.12 Lt	51395	21269	411.19	Filed "X" in top North flange bolt of fire hydrant: TBM C
604	1+48.09	189.30 Lt	51204	21039	410.89	Filed "X" in top North flange bolt of fire hydrant: TBM D

*Control points not shown on this drawing.

(1) MSTF-1 — Found 3 1/4" Brass Cap set flush in concrete utilidor structure.

(2) FHR-5 — Found 3 1/4" Brass Cap set flush in concrete storm drain structure.

(101) Set 2" Aluminum Cap on 5/8" x 30" rebar, 0.1' below ground.

(102) Set 2" Aluminum Cap on 5/8" x 30" rebar, 0.1' below ground.

(405) Found 2" Aluminum Cap on 5/8" rebar, flush with ground.

(401) (404) (407) (408) Found or set 3" Mag Spike Survey Mark flush with asphalt. (Typical)

(412) C4 — U.S. SURVEY No.8690 Found 3 1/4" Brass Cap on stainless steel pipe set 0.4' below ground in median of Glenn Highway.

(413) C6 — U.S. SURVEY No.8690 Found 2" stainless steel pipe with cap missing, 0.1' below ground in median of Glenn Highway.

REVISIONS | DATE

DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES STATEWIDE PUBLIC FACILITIES
DEPARTMENT OF MILITARY AND VETERANS AFFAIRS FACILITIES MAINTENANCE OFFICE

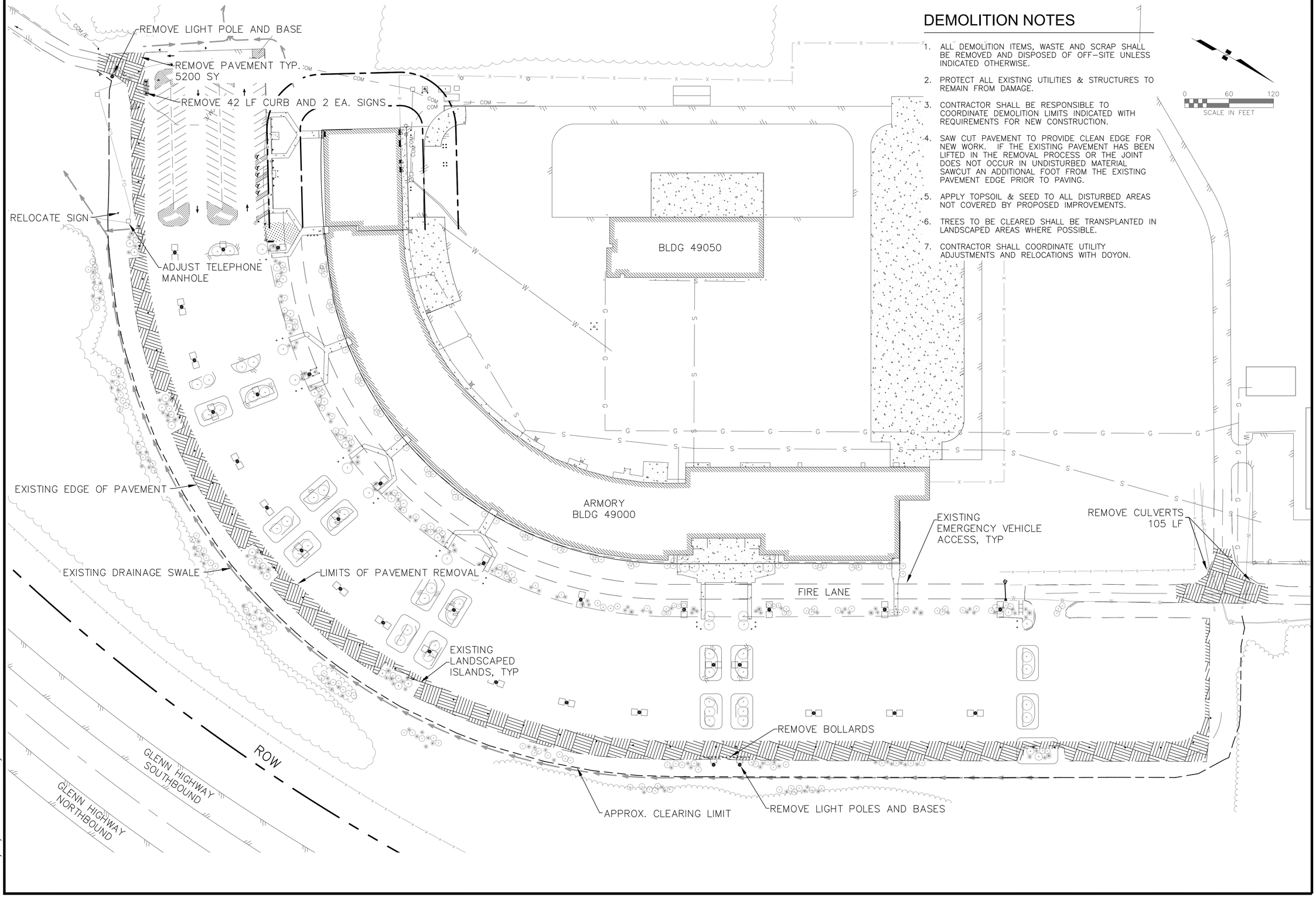
CAMP DENALI POV PARKING UPGRADES
DOT/PF PROJECT NO. 81227

SURVEY CONTROL DIAGRAM

SCALE: 1"=100'
DRAWN BY: KJR
PROJ. MGR.: JSR
DATE: 3-12-15
FILE NO:1833.11

SHEET NO.
C2

Z:\project\1833.11 MCG DMVA Term ARC Bypass Road\Survey\ACAD\1833.11 MCG DMVA ARC Bypass Road SCD_Revised 06-04-15.dwg
Plotted 6/9/2015 4:06 PM by Jim Robar



DEMOLITION NOTES

1. ALL DEMOLITION ITEMS, WASTE AND SCRAP SHALL BE REMOVED AND DISPOSED OF OFF-SITE UNLESS INDICATED OTHERWISE.
2. PROTECT ALL EXISTING UTILITIES & STRUCTURES TO REMAIN FROM DAMAGE.
3. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE DEMOLITION LIMITS INDICATED WITH REQUIREMENTS FOR NEW CONSTRUCTION.
4. SAW CUT PAVEMENT TO PROVIDE CLEAN EDGE FOR NEW WORK. IF THE EXISTING PAVEMENT HAS BEEN LIFTED IN THE REMOVAL PROCESS OR THE JOINT DOES NOT OCCUR IN UNDISTURBED MATERIAL SAWCUT AN ADDITIONAL FOOT FROM THE EXISTING PAVEMENT EDGE PRIOR TO PAVING.
5. APPLY TOPSOIL & SEED TO ALL DISTURBED AREAS NOT COVERED BY PROPOSED IMPROVEMENTS.
6. TREES TO BE CLEARED SHALL BE TRANSPLANTED IN LANDSCAPED AREAS WHERE POSSIBLE.
7. CONTRACTOR SHALL COORDINATE UTILITY ADJUSTMENTS AND RELOCATIONS WITH DOYON.

STATE OF ALASKA
49 TH
Chris Black
Chris Black
No. CE 12147
7/2/15
REGISTERED PROFESSIONAL ENGINEER

REVISIONS	DATE

DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES STATEWIDE PUBLIC FACILITIES

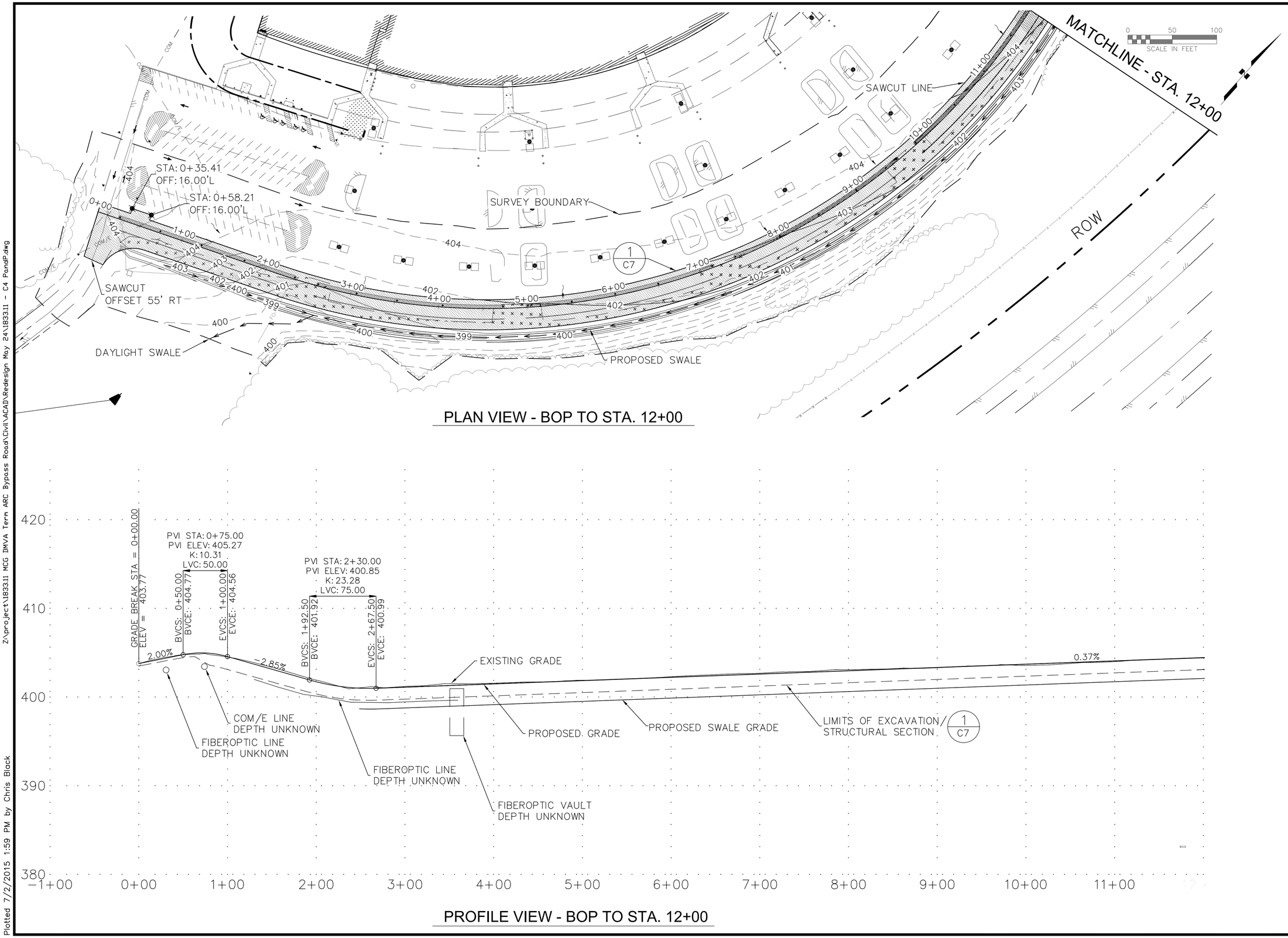
DEPARTMENT OF MILITARY AND VETERANS AFFAIRS FACILITIES MAINTENANCE OFFICE

CAMP DENALI POV PARKING UPGRADES
DOT/PF PROJECT NO. 81227

EXISTING SITE / DEMOLITION PLAN

SCALE:	1" = 60'
DRAWN BY:	CWB
PROJ. MGR.:	DRP
DATE:	6-25-15
FILE NO:	1833.11

SHEET NO.
C3



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Plotted 7/2/2015 1:59 PM by Chris Black

STATE OF ALASKA
49 TH
Chris Black
No. CE 12147
7/2/15
REGISTERED PROFESSIONAL ENGINEER

REVISIONS	DATE

DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES STATEWIDE PUBLIC FACILITIES

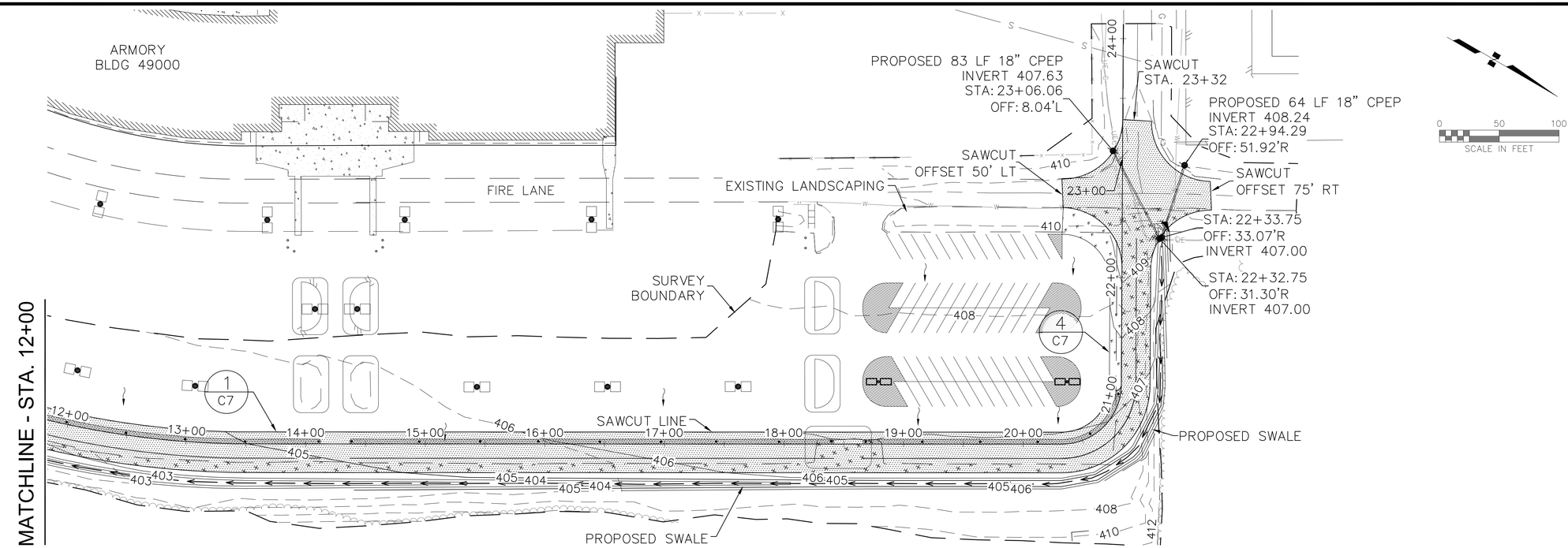
DEPARTMENT OF MILITARY AND VETERANS AFFAIRS FACILITIES MAINTENANCE OFFICE

CAMP DENALI POV PARKING UPGRADES
DOT/PF PROJECT NO. 81227

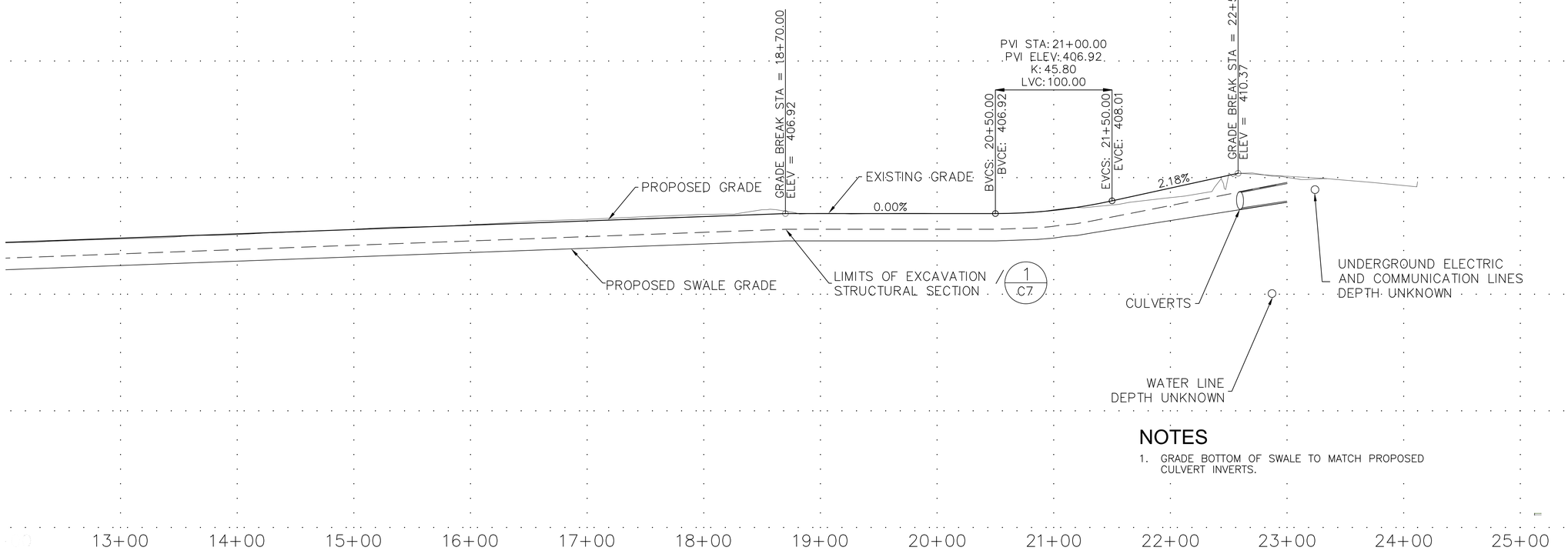
PLAN AND PROFILE BOP TO STA. 12+00

SCALE:	1" = 50'
DRAWN BY:	CWB
PROJ. MGR.:	DRP
DATE:	6-26-15
FILE NO:	1833.11

SHEET NO.
C4



PLAN VIEW - STA. 12+00 TO EOP



PROFILE VIEW - STA. 12+00 TO EOP

NOTES

1. GRADE BOTTOM OF SWALE TO MATCH PROPOSED CULVERT INVERTS.

STATE OF ALASKA
49 TH
Chris Black
Chris Black
No. CE 12147
7/2/15
REGISTERED PROFESSIONAL ENGINEER

REVISIONS

DATE

DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES STATEWIDE PUBLIC FACILITIES

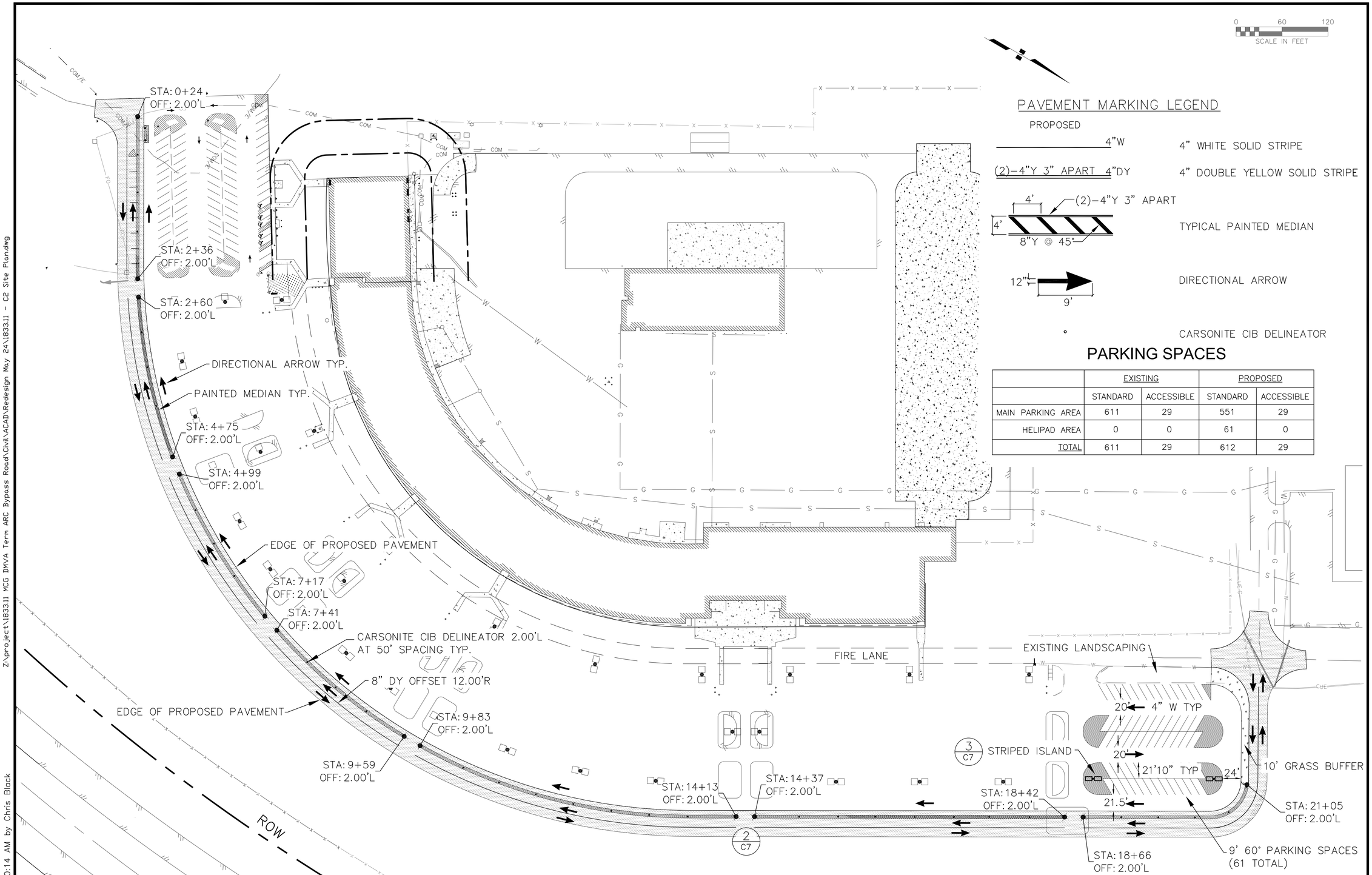
DEPARTMENT OF MILITARY AND VETERANS AFFAIRS FACILITIES MAINTENANCE OFFICE

CAMP DENALI POV PARKING UPGRADES
DOT/PF PROJECT NO. 81227

PLAN AND PROFILE STA. 12+00 TO EOP

SCALE: 1" = 50'
DRAWN BY: CWB
PROJ. MGR.: DRP
DATE: 6-26-15
FILE NO: 1833.11

SHEET NO.
C5



Z:\project\1833.11 MCG DMVA Term ARC Bypass Road\Civil\ACAD\Redesign May 24\1833.11 - C2 Site Plan.dwg

Plotted 7/10/2015 10:14 AM by Chris Black

STATE OF ALASKA
49 TH
Chris Black
Chris Black
No. CE 12147
7/2/15
REGISTERED PROFESSIONAL ENGINEER

REVISIONS	DATE

DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES STATEWIDE PUBLIC FACILITIES

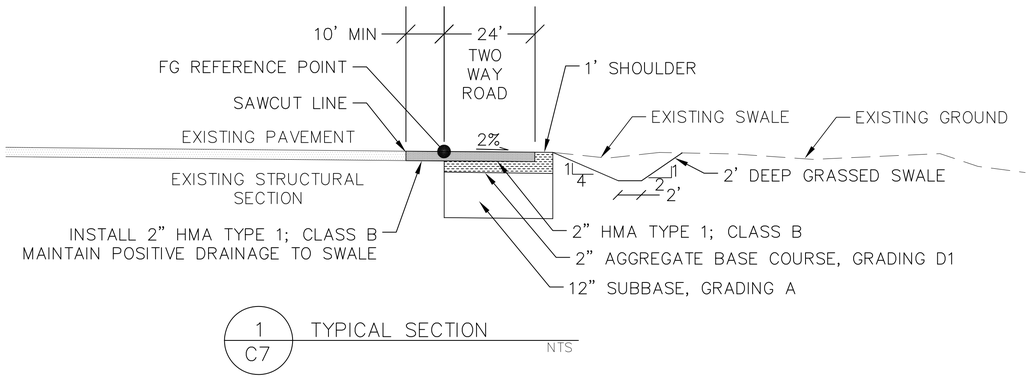
DEPARTMENT OF MILITARY AND VETERANS AFFAIRS FACILITIES MAINTENANCE OFFICE

CAMP DENALI POV PARKING UPGRADES
DOT/PF PROJECT NO. 81227

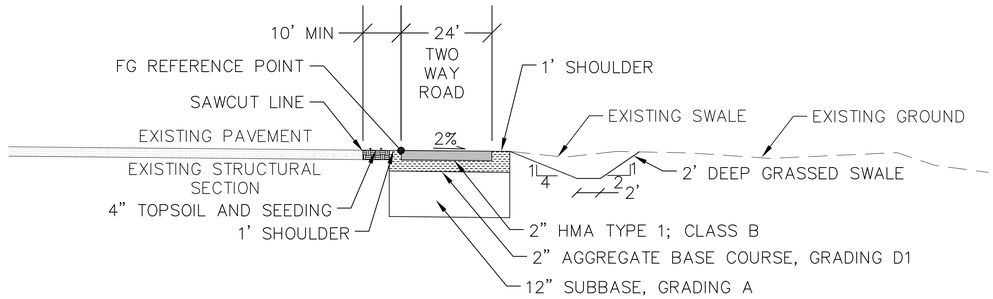
STRIPING PLAN

SCALE: 1" = 60'
DRAWN BY: CWB
PROJ. MGR.: DRP
DATE: 6-26-15
FILE NO: 1833.11

SHEET NO.
C6



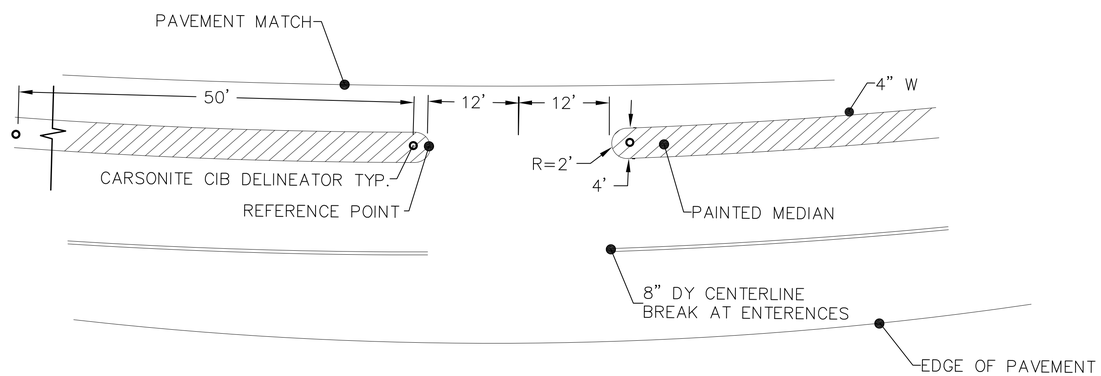
1/C7 TYPICAL SECTION NTS



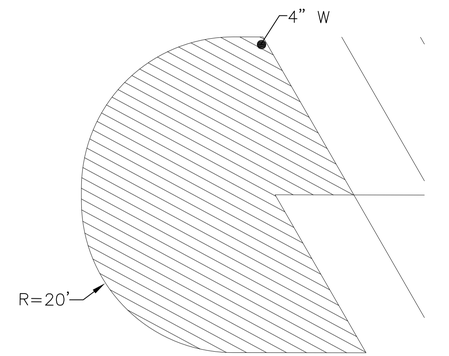
4/C7 TYPICAL SECTION STA. 21+05 TO 22+32 NTS

GRADING NOTES

1. THE LIMITS OF EXCAVATION SHOWN ON THE DRAWINGS ARE FOR INFORMATIONAL PURPOSED ONLY, ACTUAL LIMITS OF EXCAVATION MAY BE DETERMINED BY THE ENGINEER IN THE FIELD.
2. ALL FILL SHALL BE PLACED IN LIFTS NOT TO EXCEED 12 INCHES LOOSE.
3. ALL BACKFILL SHALL BE COMPACTED TO 95%.



2/C7 ENTRANCE TYPICAL DETAIL NTS



3/C7 STRIPED ISLAND DETAIL NTS

REVISIONS

DATE

DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES STATEWIDE PUBLIC FACILITIES

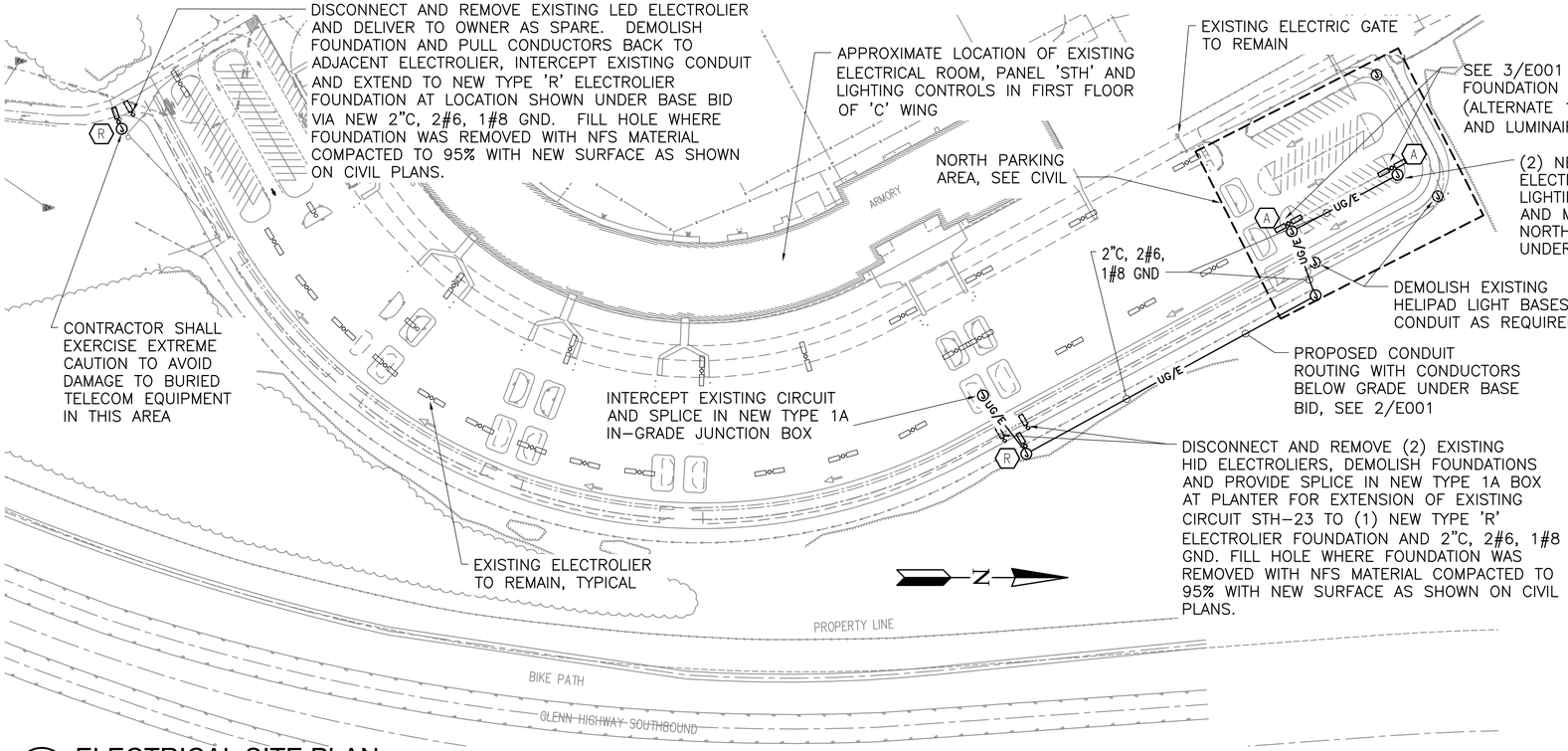
DEPARTMENT OF MILITARY AND VETERANS AFFAIRS FACILITIES MAINTENANCE OFFICE

CAMP DENALI POV PARKING UPGRADES
DOT/PF PROJECT NO. 81227

TYPICAL SECTION

SCALE: NTS
DRAWN BY: CWB
PROJ. MGR.: DRP
DATE: 6-26-15
FILE NO: 1833.11

SHEET NO.
C7



1 ELECTRICAL SITE PLAN

SCALE: 1" = 100'

SYMBOL LEGEND

- ELECTROLIER
- TYPE 1A JUNCTION BOX
- UG/E — ILLUMINATION RACEWAY BELOW GRADE
- A — ELECTROLIER TYPE DESIGNATOR
- GRS — GALVANIZED RIGID METAL CONDUIT

DEMOLITION NOTES:

1. THE INFORMATION SHOWN ON THIS DRAWING IS TAKEN FROM AS-BUILT DRAWINGS AND A NON-DESTRUCTIVE WALK THROUGH OF THE FACILITY. THERE IS NO WARRANTY OR GUARANTEE AS TO THE ACCURACY OF THE INFORMATION SHOWN HERE-IN. THE CONTRACTOR SHALL FIELD VERIFY ALL ITEMS SCHEDULED FOR DEMOLITION PRIOR TO START OF WORK.
2. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL SALVAGEABLE MATERIALS. THE CONTRACTOR SHALL DELIVER SALVAGED MATERIALS TO A WAREHOUSE AS DIRECTED BY THE OWNER. THE CONTRACTOR SHALL DISPOSE OF, OFF SITE, ALL UNWANTED MATERIALS.

BEFORE YOU DIG CALL FOR FREE UNDERGROUND LOCATION

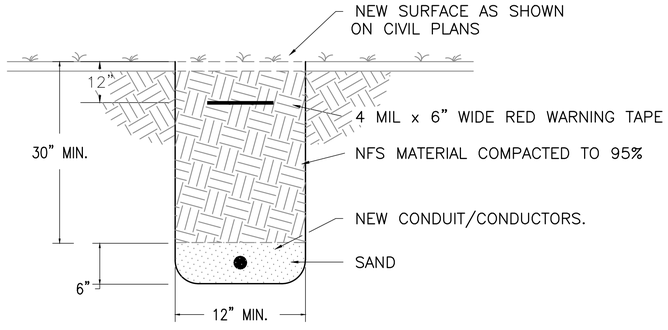
Locate Call Center of Alaska
Anchorage Area.....278-3121
Statewide.....800-478-3121
who will notify subscribed utilities only.
Other utilities need to be contacted individually.

LIGHT FIXTURE SCHEDULE

TYPE	MANUFACTURER AND CATALOG NUMBER (OR APPROVED EQUAL)	LUMINAIRE DESCRIPTION	MOUNTING		LAMPS	BALLAST/DRIVER	SYSTEM WATTS
			TYPE	HEIGHT			
A	MCGRAW EDISON # GLEON-AE-08-LED-E1-T3R-BZ-MA1037-BZ /SS6A30SFX2V (POLE)	LED AREA LUMINAIRE WITH 2 UNITS MOUNTED AT 180 DEGREES, TYPE III IES DISTRIBUTION, 1A DRIVE CURRENT, 42,048 LUMEN OUTPUT, BRONZE FINISH, VIBRATION DAMPER, ANCHOR BOLT BASE.	POLE	30'-0"	LED SOLID STATE	120-277V ELECTRONIC	842
R	CREE # STR-LWY-3M-HT-12-E-UL-BZ-700-IP DS32-900A386-8S-DB (VALMONT POLE)	LED ROADWAY LUMINAIRE W/SINGLE 8FT MAST ARM ON TAPERED STEEL POLE, TYPE III IES DISTRIBUTION, 750mA DRIVE CURRENT, 21,190 LUMEN OUTPUT, BRONZE FINISH, IP66 RATED, FRANGIBLE COUPLING BASE.	POLE	40'-0"	LED SOLID STATE	120-277V ELECTRONIC	267

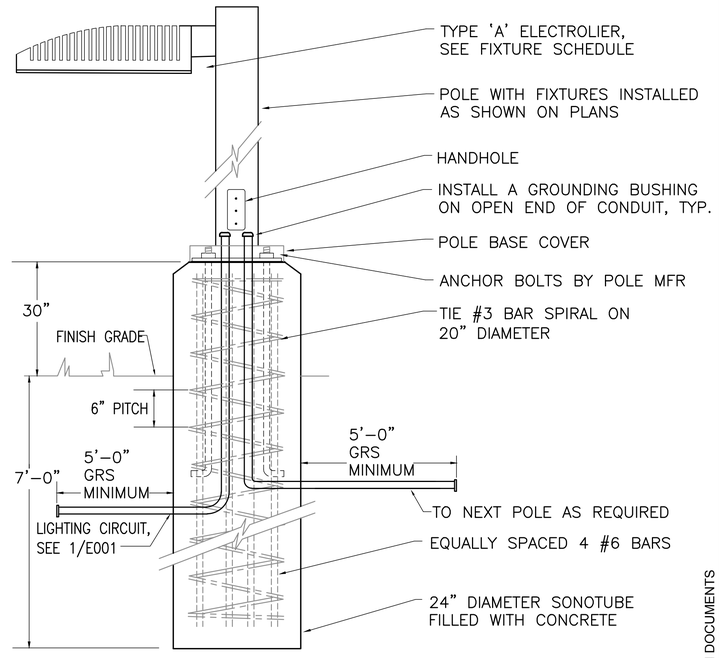
GENERAL NOTES:

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 2015 ADOT&PF SSHC UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. CONDUIT ROUTING SHOWN IS DIAGRAMMATIC IN NATURE AND SYMBOLS ARE NOT TO SCALE, ALL CONDUIT ROAD CROSSINGS SHALL BE PERPENDICULAR TO CENTERLINE AND RUN IN GRS. ALL ILLUMINATION EQUIPMENT SHALL BE LOCATED WITHIN THE RIGHT OF WAY. SCHEDULE 40 HDPE MAY BE USED FOR ILLUMINATION CIRCUITS WHERE PERMITTED BY NEC ARTICLE 353.10 EXCEPT WITHIN FOUNDATIONS PER ALASKA DOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (SSHC) SECTION 660-3.03.16.
3. POLE STRUCTURES SHALL BE LOCATED A MINIMUM OF 10FT BEHIND BACK OF CURB AND 3FT FROM PEDESTRIAN FACILITIES UNLESS DIRECTED OTHERWISE BY THE ENGINEER.
4. SEE SHEETS E002 THROUGH E004 FOR ROADWAY ILLUMINATION AND FOUNDATION DETAILS.
5. COORDINATE WITH FACILITIES MANAGEMENT PERSONNEL A MINIMUM OF 24 HOURS IN ADVANCE FOR ACCESS TO INTERIOR ELECTRICAL EQUIPMENT.
6. PROVIDE POLE BASE AND IN-GRADE CONDUIT SYSTEMS UNDER BASE BID. PROVIDE ELECTROLIER AND POLE UNDER ALTERNATE #1.



2 CONDUIT TRENCHING DETAIL

SCALE: NONE



3 POLE FOUNDATION DETAIL - TYPE 'A'

SCALE: NONE

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DEPARTMENT OF MILITARY AND VETERANS AFFAIRS FACILITIES MAINTENANCE OFFICE

TRANSPORTATION & PUBLIC FACILITIES — STATE OF ALASKA

CONSTRUCTION DOCUMENTS

ANCHORAGE READINESS CENTER BYPASS ROAD IMPROVEMENTS: DOT/PF PROJECT NO. 50658

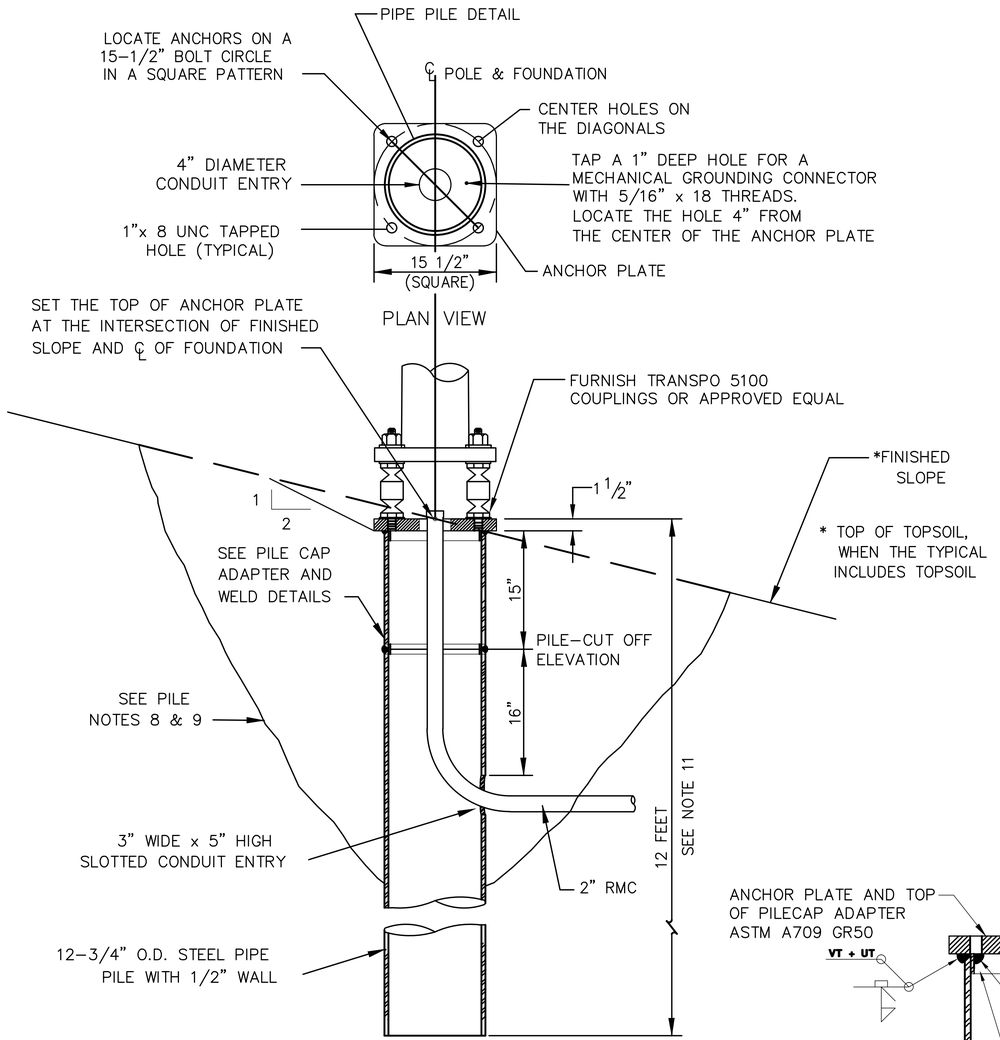
CAMP DENALI READINESS CENTER BYPASS ROAD, JBER, ALASKA 99505

ELECTRICAL LEGEND, SITE PLAN & DETAIL

SCALE:	AS SHOWN
DRAWN BY:	JHE
PROJ. MGR.:	TEH
DATE:	6-15-15
FILE NO:	2012005.18

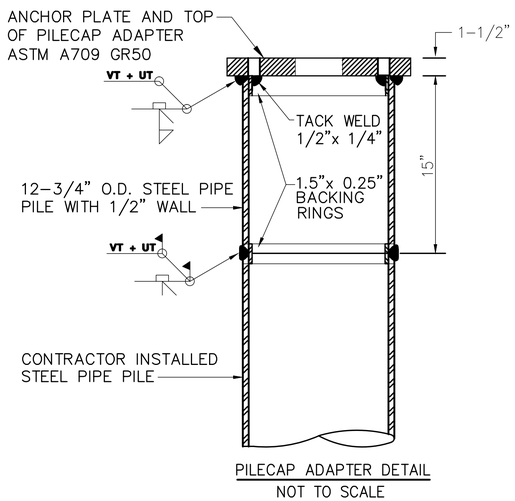
SHEET NO.

E001



PIPE PILE FOUNDATION

(SHOWN WITH FRANGIBLE COUPLINGS)



PILECAP ADAPTER DETAIL

NOT TO SCALE

(FABRICATED BY THE POLE MANUFACTURER)

FOUNDATION NOTES:

DESIGN: AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, 4TH EDITION 2001.

CONSTRUCTION: STATE OF ALASKA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (SSHC), 2004 EDITION WITH SPECIAL PROVISIONS.

WIND LOAD: 100 MPH

LIGHT SUPPORT DETAIL: FOUNDATION DESIGN BASED ON A MAXIMUM 55 FOOT SHAFT LENGTH AND A 22 FOOT LONG MAST ARM.

MATERIAL PROPERTIES		
STRUCTURAL STEEL PLATE	ASTM A709 GRADE 50	Fy = 50 ksi
STEEL PIPE PILE	ASTM A709, GRADE 50 T3	Fy = 50 ksi
	API 5L GRADE X 42	Fy = 42 ksi
	ASTM A53, GRADE B	Fy = 35 ksi

PILE FOUNDATION NOTES:

1. FURNISH STEEL PIPE PILES AND PILECAP ADAPTERS THAT CONFORM TO SECTION 660 AND 715 OF THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
2. FURNISH SHOP FABRICATED PILECAP ADAPTERS.
3. DRIVE PILES OPEN ENDED. COMPLETE PILE WORK ACCORDING TO SECTIONS 505, 660 AND 715 OF THE STATE OF ALASKA STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
4. REMOVE AND REINSTALL PILES OUT OF PLUMB MORE THAN 1/8 INCH PER FOOT.
5. FRESH HEAD THE TOP OF PILES IN A LEVEL PLANE.
6. CUT THE CONDUIT ENTRANCE HOLE AFTER INSTALLATION OF THE PILE.
7. WELDING SHALL CONFORM TO THE REQUIREMENTS OF THE LATEST EDITION OF THE AWS D1.1, STRUCTURAL WELDING CODE–STEEL.
8. AT EACH FOUNDATION, EXCAVATE A CONE SHAPED WORK HOLE 6.5' DIAMETER AT THE SURFACE DOWN TO 1 FOOT BELOW THE CONDUIT HOLE. AFTER CUTTING THE CONDUIT ENTRANCE HOLE AND WELDING ON THE PILECAP ADAPTER, BACKFILL AND COMPACT THE WORK HOLE IN 8" LIFTS WITH A CEMENT–SOIL MIXTURE, CONSISTING OF 2 SACKS OF PORTLAND CEMENT PER CUBIC YARD OF SOIL. SUFFICIENT COMPACTIVE EFFORT WILL BE DETERMINED BY THE ENGINEER.
9. WAIT AT LEAST 3 DAYS AFTER BACKFILLING THE WORK HOLE BEFORE ERECTING THE LUMINAIRE POLE.
10. TERMINATE THE 2" CONDUIT 1" ABOVE THE TOP OF THE ANCHOR PLATE. INSTALL A GROUNDING BUSHING ON THE END OF THE RIGID METAL CONDUIT.
11. FOUNDATION DEPTH SUBJECT TO LOCAL CONDITIONS. APPROVAL OF THE FOUNDATION ENGINEER REQUIRED FOR DEPTHS LESS THAN 12 FEET.

STATE OF ALASKA
49TH
TIMOTHY E. HALL
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6-15-15
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DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES STATEWIDE PUBLIC FACILITIES

DEPARTMENT OF MILITARY AND VETERANS AFFAIRS FACILITIES MAINTENANCE OFFICE

CONSTRUCTION DOCUMENTS

ANCHORAGE READINESS CENTER BYPASS ROAD IMPROVEMENTS: DOT/PF PROJECT NO. 50658

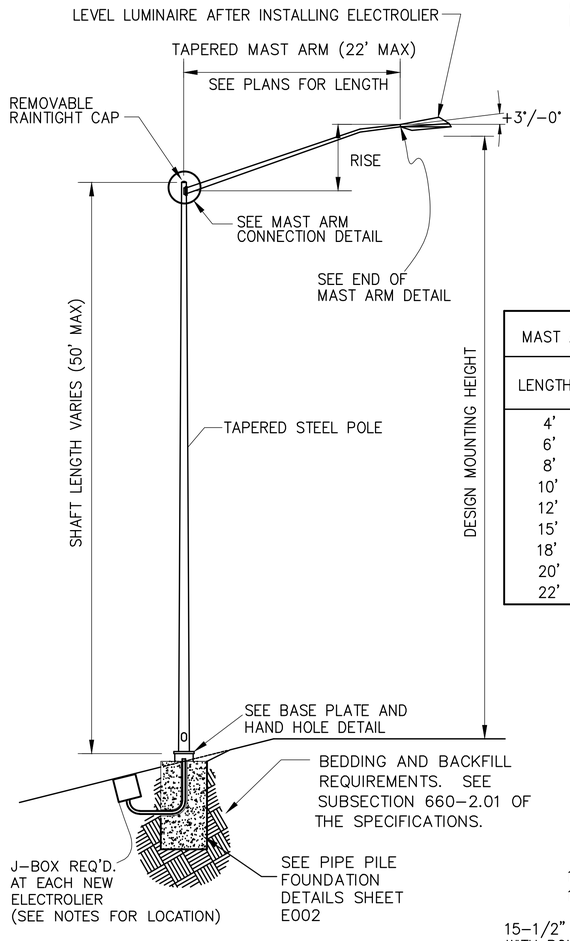
CAMP DENALI READINESS CENTER BYPASS ROAD, JBER, ALASKA 99505

TYPE 'R' PILE FOUNDATION DETAILS

SCALE:	AS SHOWN
DRAWN BY:	JHE
PROJ. MGR.:	TEH
DATE:	6-15-15
FILE NO:	2012005.18

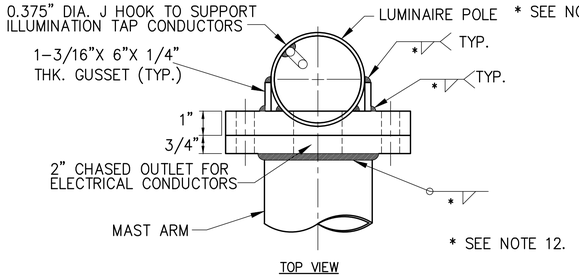
SHEET NO.

E002

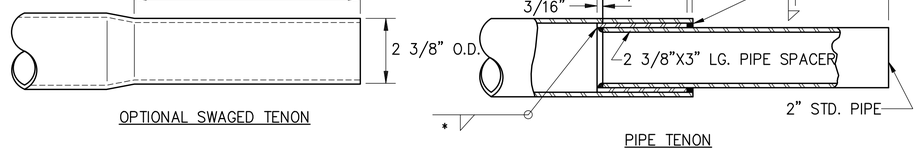


ELECTROLIER ELEVATION

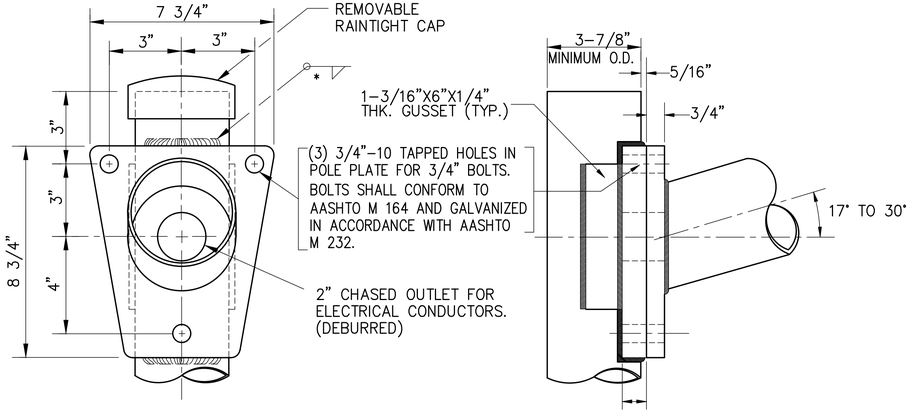
MAST ARM DATA	
LENGTH	RISE
4'	1'-3"
6'	1'-9"
8'	2'-6"
10'	2'-9"
12'	3'-10"
15'	4'-6"
18'	5'-0"
20'	5'-10"
22'	6'-0"



TOP VIEW



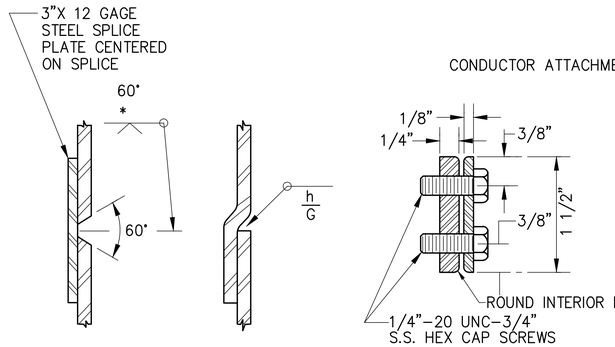
END OF MAST ARM DETAIL



FRONT VIEW

SIDE VIEW

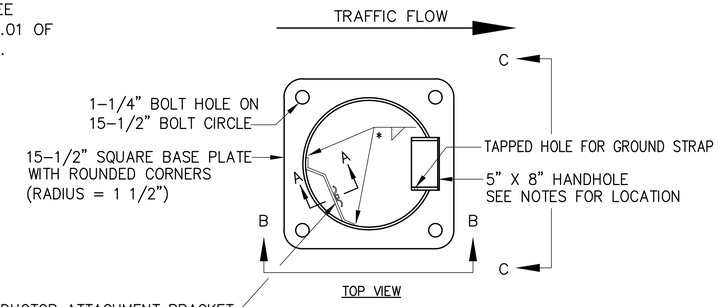
MAST ARM CONNECTION DETAIL



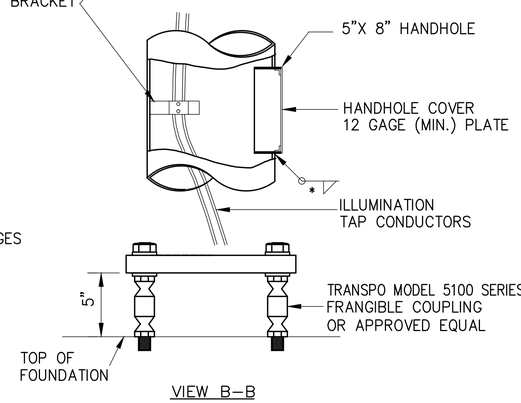
SPLICE DETAIL

* SEE NOTE 12

SECTION A-A

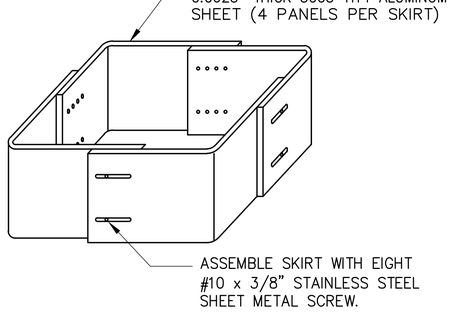


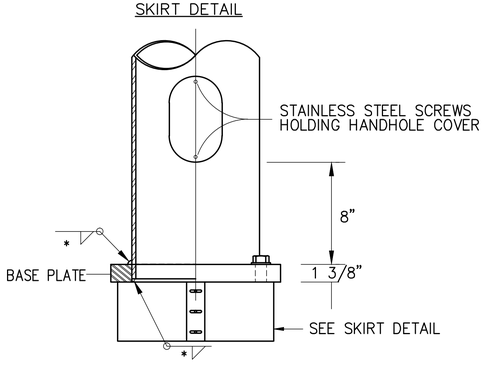
TOP VIEW



VIEW B-B

BASE PLATE AND HAND HOLE DETAIL





VIEW C-C

* SEE NOTE 12

NOTES:

1. DESIGN AND FABRICATE ALL SHAFTS TO SUPPORT A MAST ARM 22 FEET LONG WITH LUMINAIRE. ASSUME EACH LUMINAIRE WEIGHS 55 POUNDS AND HAS AN EFFECTIVE PROJECTED AREA OF 1.2 SQUARE FEET. WITH THIS DEAD LOAD, LIMIT THE ANGULAR ROTATION TO THE POLE TOP 1° 40" MAXIMUM.
2. MOUNTING HEIGHT, IF SPECIFIED IN THE PLANS, REFERS TO THE HEIGHT OF LUMINAIRE ABOVE THE ROADWAY. ADJUST EACH POLE'S SHAFT LENGTH TO MAINTAIN THIS DIFFERENCE IN ELEVATION WHENEVER SLOPE AND/OR OFFSET VARIES.
3. MINIMUM OUTSIDE DIAMETER AT THE TOP OF POLE EQUALS 3.875". POLE DIAMETER SHALL THEN TAPER UNIFORMLY FROM THE TOP OF POLE TO THE BASE PLATE.
4. APPLY AN ANTI-SEIZING COMPOUND TO ALL THREADED SURFACES, INCLUDING THOSE IN THE ANCHOR PLATE AND ON THE COUPLINGS.
5. MAST ARM RISE MAY VARY +/-0.5' FROM THE VALUES LISTED IN THE TABLE.
6. LOCATE THE HANDHOLE AT 90 DEGREES TO THE MAST ARM ON THE SIDE OF THE POLE DOWNSTREAM FROM TRAFFIC FLOW.
7. FURNISH ALL POLES WITH A J-HOOK TO SUPPORT THE ILLUMINATION TAP CONDUCTORS, AND ALL MAST ARM POLES WITH A REMOVABLE RAINTIGHT CAP.
8. MOUNT LIGHTING STANDARDS UPON TRANSPO MODEL NO. 5100 FRANGIBLE COUPLINGS AND TRANSPO TYPE B FEMALE ANCHORS, OR APPROVED EQUAL.
9. INSTALL ALL COMPONENTS OF THE BREAKAWAY SUPPORT SYSTEM IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.
10. FABRICATE THE SKIRT FROM FOUR PIECES OF 0.0625 INCH THICK 3003 H-14 ALUMINUM SHEET. BEND EACH PLATE TO PROVIDE CORNERS WITH A 3/4" RADIUS. ASSEMBLE THE SKIRT WITH #10 X 5/8" SELF TAPPING STAINLESS SCREWS OR POP RIVETS. THE ASSEMBLED SKIRT MEASURES ABOUT 12-3/4" SQUARE.
11. INSTALL THE JUNCTION BOX ON THE LEFT SIDE OF THE FOUNDATION (WHEN VIEWED FROM THE ROADWAY CENTERLINE) AND IMMEDIATELY BEHIND THE FOUNDATION.
12. WELD SIZE TO BE DETERMINED BY MANUFACTURER.

REPLACES STANDARD DRAWING L-03.10

STATE OF ALASKA 49TH
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6-15-15
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DEPARTMENT OF MILITARY AND VETERANS AFFAIRS FACILITIES MAINTENANCE OFFICE

CONSTRUCTION DOCUMENTS

ANCHORAGE READINESS CENTER BYPASS ROAD IMPROVEMENTS: DOT/PF PROJECT NO. 50658

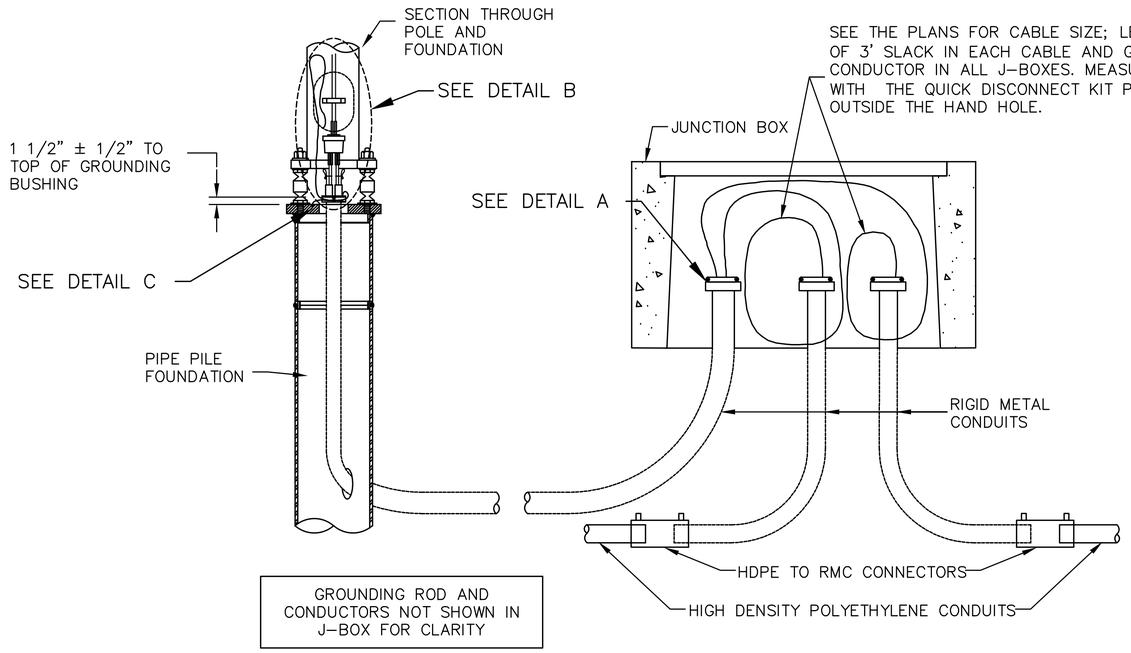
CAMP DENALI READINESS CENTER BYPASS ROAD, JBER, ALASKA 99505

ILLUMINATION DETAILS

SCALE:	AS SHOWN
DRAWN BY:	JHE
PROJ. MGR.:	TEH
DATE:	6-15-15
FILE NO:	2012005.18

SHEET NO.

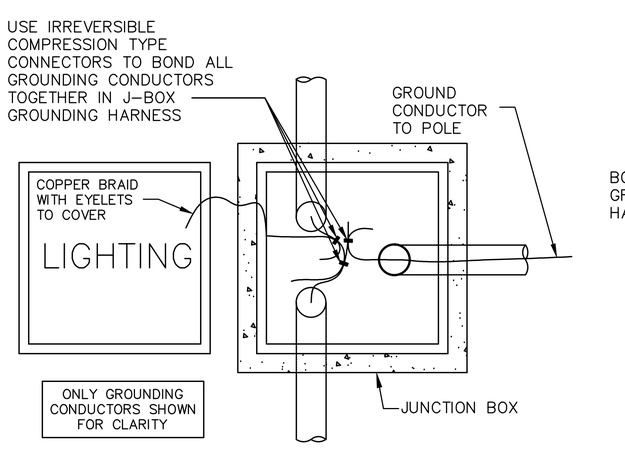
E003



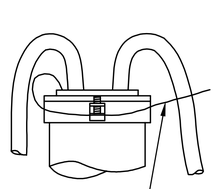
LIGHTING SYSTEM POLE AND J–BOX WIRING DETAILS

NOTES:

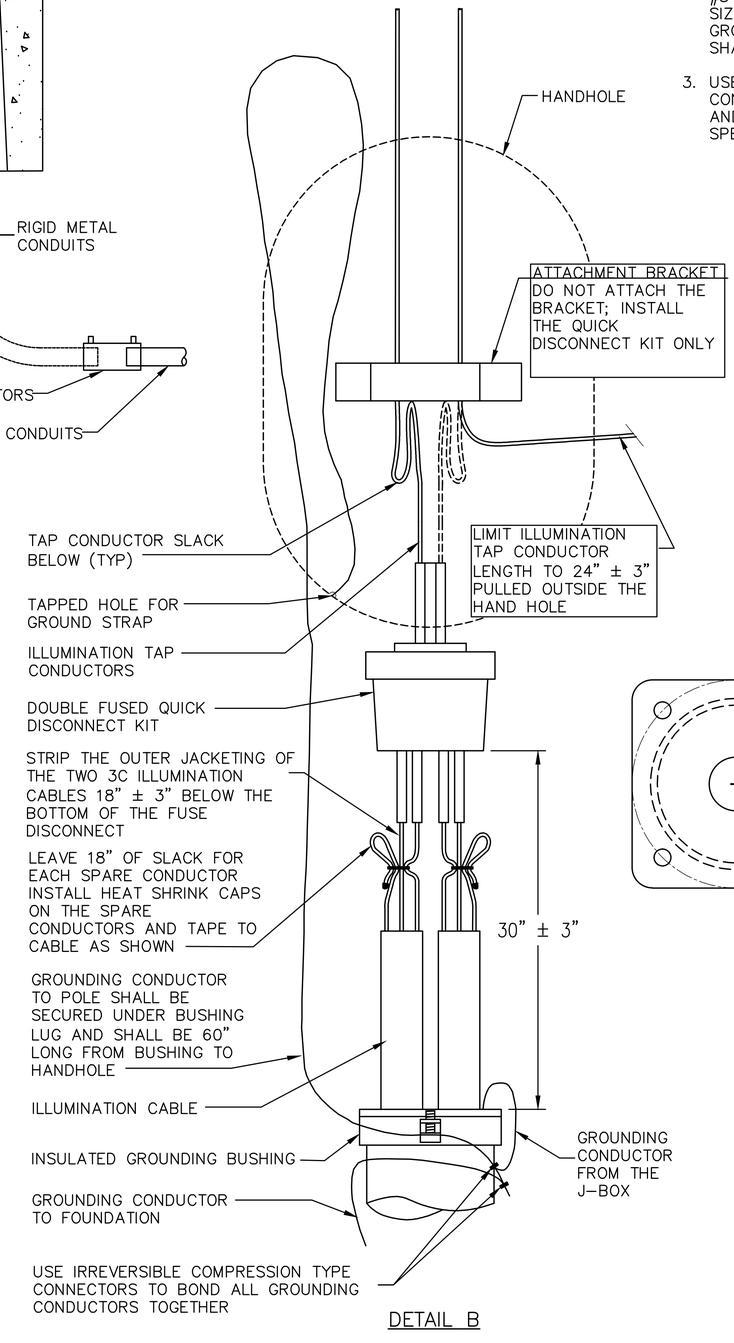
1. LABEL ALL CABLES AND CONDUCTORS IN POLE BASE AND J–BOX. SEE SUBSECTION 660–3.05.
2. MAKE ALL GROUNDING AND BONDING WIRE #8 AWG, EXCEPT IN THOSE CONDUITS THAT CONTAIN CIRCUIT CONDUCTORS LARGER THAN #8 AWG. IN THIS CASE USE WIRE EQUAL IN SIZE TO THE LARGEST CONDUCTOR. THE GROUNDING CONDUCTOR TO THE FOUNDATION SHALL BE #4 AWG.
3. USE LISTED IRREVERSIBLE COMPRESSION TYPE CONNECTORS SIZED FOR EACH APPLICATION AND INSTALLED PER MANUFACTURERS SPECIFICATIONS.



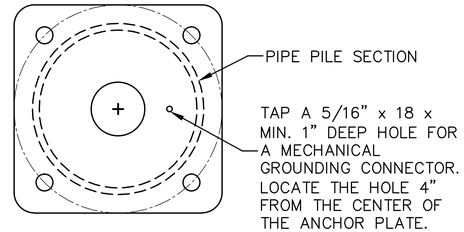
GROUNDING CONDUCTOR BONDING CONNECTIONS



DETAIL A



DETAIL B



DETAIL C

STATE OF ALASKA
49TH
TIMOTHY E. HALL
EE-9131
6-15-15
REGISTERED PROFESSIONAL ENGINEER

DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES STATEWIDE PUBLIC FACILITIES

DEPARTMENT OF MILITARY AND VETERANS AFFAIRS FACILITIES MAINTENANCE OFFICE

CONSTRUCTION DOCUMENTS

ANCHORAGE READINESS CENTER BYPASS ROAD IMPROVEMENTS: DOT/PF PROJECT NO. 50658

CAMP DENALI READINESS CENTER BYPASS ROAD, JBER, ALASKA 99505

ILLUMINATION DETAILS

SCALE:	AS SHOWN
DRAWN BY:	JHE
PROJ. MGR.:	TEH
DATE:	6-15-15
FILE NO:	2012005.18

SHEET NO.

E004