

**VERIFY SCALES**  
 BAR IS ONE INCH ON ORIGINAL DRAWING  
 0 1" 1"  
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.



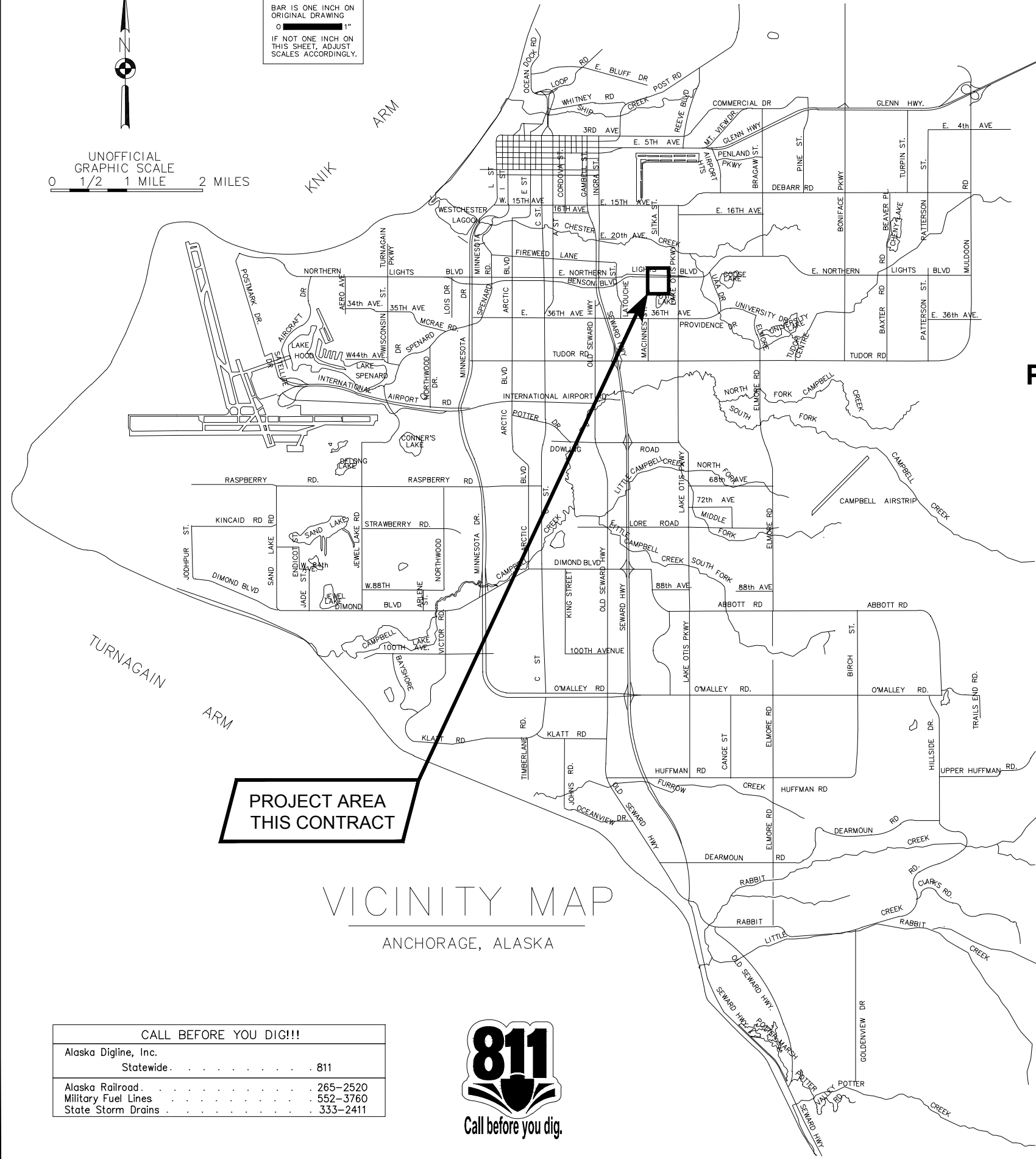
**MUNICIPALITY OF ANCHORAGE  
 PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT**

**NORTHERN LIGHTS BOULEVARD  
 SOUND BARRIER FENCE  
 LATOUCHE ST TO DRAKE DR**

**PROJECT NUMBER: 22-30  
 MAY 2026**

APPROVED BY:

*Melinda T Kohlhaas*  
 MELINDA T. KOHLHAAS, P.E.  
 MUNICIPAL ENGINEER



**PROJECT AREA  
 THIS CONTRACT**

VICINITY MAP  
 ANCHORAGE, ALASKA

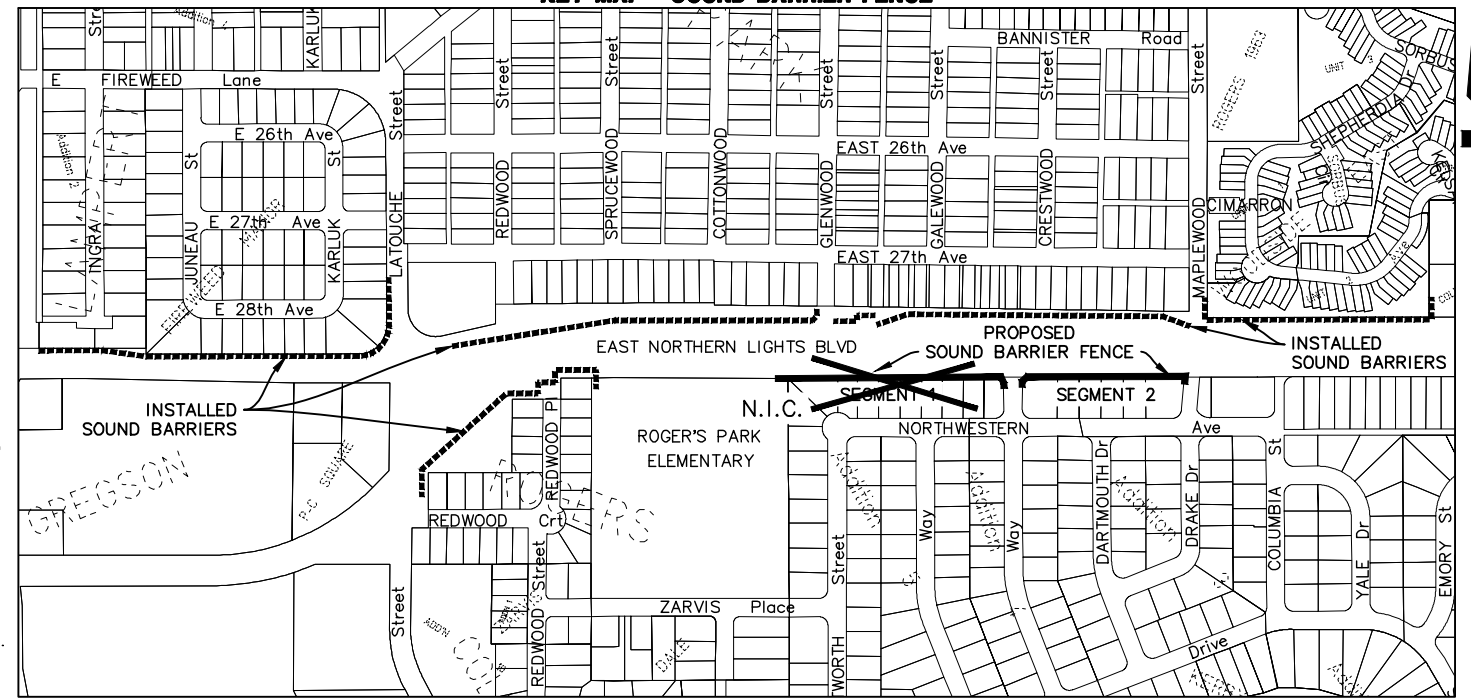
CALL BEFORE YOU DIG!!!	
Alaska Digline, Inc. Statewide . . . . .	811
Alaska Railroad . . . . .	265-2520
Military Fuel Lines . . . . .	552-3760
State Storm Drains . . . . .	333-2411



**GENERAL NOTES:**

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE MUNICIPALITY OF ANCHORAGE STANDARD SPECIFICATIONS DATED 2024 (HEREAFTER REFERRED TO AS M.A.S.S.), AND THE SPECIAL PROVISIONS.
- CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO BEGINNING CONSTRUCTION. THE PERMITS SHALL BE MAINTAINED AT THE JOB SITE.
- CONTRACTOR SHALL MAINTAIN "RED LINE" RECORD DRAWINGS ON A CLEAN SET OF CONSTRUCTION DRAWINGS IN ACCORDANCE WITH M.A.S.S. DIVISION 65.00 CONSTRUCTION SPECIFICATIONS FOR CONSTRUCTION SURVEY. THE "REDLINES" SHALL BE KEPT CURRENT ON A DAILY BASIS AND SHALL BE AVAILABLE TO THE ENGINEER FOR INSPECTION ON THE JOB SITE. CONTRACTOR SHALL RECORD SURVEY NOTES AND SUBMIT THEM DAILY TO THE ENGINEER.
- CONTRACTOR SHALL RECORD SURVEY NOTES FOR SUBMITTAL WITH "RED LINE" RECORD DRAWINGS, INCLUDING HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES ENCOUNTERED IN THE FIELD. CONTRACTOR SHALL RECORD ALL DEVIATIONS FROM THE PLANS.
- ALL CONSTRUCTION OPERATIONS REQUIRED FOR THIS PROJECT SHALL REMAIN WITHIN EXISTING M.O.A. AND ADOT/PF RIGHTS-OF-WAY, EASEMENTS AND TEMPORARY CONSTRUCTION PERMITS, UNLESS OTHERWISE APPROVED IN WRITING BY THE ENGINEER AND THE AFFECTED PROPERTY OWNER.
- LOCATIONS DEPICTED FOR THE UTILITIES AND OTHER EXISTING FEATURES ARE APPROXIMATE. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND VERIFYING ALL UTILITIES PRIOR TO CONSTRUCTION. SOUND BARRIER FENCE POST LOCATIONS SHALL BE ADJUSTED IN THE FIELD TO AVOID IMPACTS TO EXISTING UTILITIES.
- UTILITY RELOCATES SHALL BE ACCOMPLISHED BY OTHERS, UNLESS OTHERWISE NOTED.
- SHORING OF UTILITY POLES AND LIGHT POLES SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE PAYMENT SHALL BE MADE.
- UNDERGROUND AND OVERHEAD ELECTRICAL AND TELECOMMUNICATION LINES AND POLES OCCUR WITHIN THE PROJECT AREA; CONTRACTOR SHALL COORDINATE WORK ACCORDINGLY. ALL WORK IN CLOSE PROXIMITY TO EXISTING OVERHEAD AND UNDERGROUND LINES AND POLES SHALL COMPLY WITH APPLICABLE FEDERAL, STATE, AND LOCAL STATUTES, CODES AND GUIDELINES, AND THE ELECTRICAL FACILITY CLEARANCE REQUIREMENTS OF THE GOVERNING UTILITY. HAND DIGGING IS REQUIRED WITHIN TWO FEET OF ALL BURIED CABLES.
- ALL WORK AND MATERIALS REQUIRED FOR REMOVING ANY LITTER OR DEBRIS WITHIN THE PROJECT LIMITS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "CLEARING & GRUBBING" AND NO SEPARATE PAYMENT SHALL BE MADE.
- CONTRACTOR SHALL RESTORE DISTURBED PROPERTY TO PRECONSTRUCTION CONDITIONS, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. PAYMENT FOR RESTORING DISTURBED PROPERTY SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE PAYMENT SHALL BE MADE, UNLESS BID ITEMS ARE PROVIDED.
- INSTALL 4" OF TOPSOIL AND SEED ALL DISTURBED AREAS WITHIN THE PROJECT LIMITS NOT OTHERWISE IMPROVED UNDER THIS CONTRACT, SEE LANDSCAPING SHEETS.
- PROVIDE TEMPORARY FENCING FOR PROPERTIES WHERE EXISTING FENCING HAS BEEN REMOVED. AFTER COMPLETION OF THE SOUND BARRIER FENCE, FURNISH AND INSTALL NEW FENCE TO EXTEND EXISTING FENCES TO THE SOUND BARRIER FENCE WITH NEW FENCE THAT MATCHES EXISTING FENCE HEIGHT AND TYPE.
- CLEARLY DELINEATE THE CLEARING LIMITS WITH TEMPORARY FENCING OR TREE PROTECTION ZONE FENCING, AS SHOWN ON THE DRAWINGS AND IN ACCORDANCE WITH M.A.S.S. SECTION 75.14 AND THE SPECIAL PROVISIONS. REMOVE TEMPORARY FENCING & TREE PROTECTION ZONE FENCING AFTER THE WORK IS COMPLETE. ROOT PRUNING SHALL BE PERFORMED ALONG THE TEMPORARY FENCING AND/OR TREE PROTECTION ZONE FENCING PER MASS SECTION 75.13, AS DIRECTED BY THE ENGINEER IN THE FIELD.

**KEY MAP - SOUND BARRIER FENCE**



**ABBREVIATIONS**

**PLAN LEGEND**

**PLAN LEGEND CONT.**

**DRAWING INDEX**

AC	ASBESTOS CEMENT	MIN.	MINIMUM
A.D.A	AMERICANS WITH DISABILITIES ACT OF 1990	M.O.A.	MUNICIPALITY OF ANCHORAGE
ADOT/PF	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES	MON	MONUMENT
AK. D.E.C.	ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION	N.I.C.	NOT IN CONTRACT
APX.	APPROXIMATE	NLB	NORTHERN LIGHTS BOULEVARD
B.O.P.	BEGINNING OF PROJECT	N.T.S.	NOT TO SCALE
BOW	BOTTOM OF WALL	O.C.	ON CENTER
BM	BENCH MARK	P.C.C.	PORTLAND CEMENT CONCRETE
CAL.	CALIPER	PC	POINT OF CURVATURE
⊕	CENTERLINE	P.U.E.	PUBLIC USE EASEMENT
CONST.	CONSTRUCT	R	RADIUS
DTL	DETAIL	PT	POINT OF TANGENCY
E.O.P.	END OF PROJECT	PI	POINT OF INTERSECTION
ELEC.	ELECTRIC	PVMT	PAVEMENT
ELEV.	ELEVATION	R & R	REMOVE AND REPLACE
EST.	ESTIMATED	R.O.W.	RIGHT-OF-WAY
EX.-EXIST.	EXISTING	RT	RIGHT
F & I	FURNISH AND INSTALL	S.I.	STREET INTERSECTION
F.G.	FINISHED GRADE	S.P.	SPECIAL PROVISION
GAL.	GALLON	STA	STATION
I.A.W.	IN ACCORDANCE WITH	STD.	STANDARD DETAIL FOUND IN
INV.	INVERT	DTL	DIVISION 90, M.A.S.S. 2015
LF	LINEAR FEET	ST	STREET
LOC	LOCATION	S/W	SIDEWALK
LT	LEFT	TBC	TOP BACK OF CURB
M.A.S.S.	MUNICIPALITY OF ANCHORAGE STANDARD SPECIFICATIONS, STREETS-DRAINAGE-UTILITIES-PARK, DATED 2024 AS CURRENTLY AMENDED	TBM	TEMPORARY BENCH MARK
MAX.	MAXIMUM	T.C.P	TEMPORARY CONSTRUCTION
M.H.	MANHOLE	TEL.	TELEPHONE
		TOP	TOP OF WALL
		TYP.	TYPICAL
		X'ING	CROSSING

EXISTING	PROPOSED	DESCRIPTION
---	---	EASEMENT LINE
---	---	TEMPORARY CONSTRUCTION PERMIT
---	---	CENTERLINE
---	---	PROPERTY LINE
---	---	CLEARING & GRUBBING LIMITS
---	---	CURB AND GUTTER
---	---	EDGE OF PAVEMENT
---	---	GRAVEL ROADWAY OR DRIVEWAY
---	---	SOUND BARRIER FENCE
---	---	FENCE
---	---	FENCE TO BE REMOVED
---	---	UNDERGROUND ELECTRIC LINE
---	---	UNDERGROUND FIBER OPTIC LINE
---	---	UNDERGROUND GAS LINE
---	---	SANITARY SEWER LINE
---	---	UNDERGROUND STORM DRAIN
---	---	UNDERGROUND TELEPHONE LINE
---	---	UNDERGROUND TELEVISION LINE
---	---	WATER LINE
---	---	OVERHEAD ELECTRIC LINE
---	---	OVERHEAD UTILITY
---	---	JUNCTION BOX TYPE I
---	---	JUNCTION BOX TYPE II
---	---	JUNCTION BOX TYPE III
---	---	EDGE OF VEGETATION
---	---	ELECTRIC PEDESTAL
---	---	TELEPHONE PEDESTAL
---	---	BRASS CAP MONUMENT
---	---	ALUMINUM CAP MONUMENT
---	---	IRON PIN OR REBAR

EXISTING	PROPOSED	DESCRIPTION
○-O.E.M.		ELECTRIC METER
◇		GAS VALVE
⊕		GUY ANCHOR
●		GUY POLE
○-L.P.	○-L.P.	LIGHT POLE
○	○	POWER POLE
○-T.P.	○-T.P.	TELEPHONE POLE
●	●	TEMPORARY BENCH MARK
⊙	⊙	TRAFFIC SIGNAL POLE
⊙	⊙	LIGHT POLE WITH JUNCTION BOX
⊙	⊙	FIRE HYDRANT
⊙	⊙	STREET SIGNS
⊙	⊙	STORM DRAIN MANHOLE
⊙	⊙	CATCH BASIN
⊙	⊙	SANITARY SEWER MANHOLE
⊙	⊙	SEWER SERVICE CONNECT
⊙	⊙	KEY BOX/WATER VALVE
⊙	⊙	DRAINAGE ARROW
⊙	⊙	PARCEL NUMBER
⊙	⊙	TREES/SHRUBS
⊙	⊙	TREE PROTECTION ZONE FENCING PER M.A.S.S. DETAIL 75-10

**PROFILE LEGEND**

EXISTING	PROPOSED	DESCRIPTION
---	---	PROPOSED EXCAVATION
---	---	PROPOSED FILL

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	GENERAL NOTES, KEY MAP, INDEX, & LEGEND
3	SURVEY CONTROL
4	TEMPORARY EASEMENT AND PERMIT INDEX MAP
5	PLAN AND PROFILE - SEGMENT 1
6	PLAN AND PROFILE - SEGMENT 2
7	CIVIL DETAILS
8	OVERALL LANDSCAPE PLAN
9	LANDSCAPE PLAN - SEGMENT 1
10	LANDSCAPE PLAN - SEGMENT 2
11	LANDSCAPE DETAILS - SEGMENTS 1 & 2
12	LANDSCAPE DETAILS - SEGMENTS 1 & 2

**CALL BEFORE YOU DIG!!!**

Locate Call Center of Alaska, Inc.  
Anchorage Area. . . . . 278-3121  
Statewide. . . . . 800-478-3121

who will notify the following:

- Alaska DOT/PF Anchorage Streetlights
- Alaska Fiber Stor
- Alaska Native Center
- Alyeska Cable Company
- Anchorage Municipal School District
- Anchorage Public Works Department
- Anchorage Water and Wastewater Utility
- AT&T Alascom
- ACS Telecommunications
- Chugach Electric Association
- Doss Aviation
- Enstar Natural Gas
- Eyecom, Inc.
- GCI Communications
- Homer Electric Association
- Interior Telephone Company
- Kenai Pipeline Services
- Marathon Oil Company
- Matanuska Electric Association
- Matanuska Telephone Association
- Mukluk Telephone Company
- Municipal Light and Power
- Phillips Petroleum Pipeline
- PTI Communications
- Rogers Cable systems
- Signature Flight Support
- Tesoro Petroleum Services
- UNOCAL Petroleum

Alaska Railroad. . . . . 265-2520  
Military Fuel Lines. . . . . 552-3760  
State Storm Drains. . . . . 333-2411

**RECORD DRAWING**

THIS WILL SERVE TO CERTIFY THAT THESE RECORD DRAWINGS ARE A TRUE AND ACCURATE REPRESENTATION OF THE PROJECT AS CONSTRUCTED.

CONTRACTOR: \_\_\_\_\_

BY: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

DATA	DRAWN BY	CHECKED BY	FIELD BOOKS	BM NO.	LOCATION	ELEV.	REV.	DATE	DESCRIPTION	BY
BASE TOPOGRAPHY										
PROFILE										
STORM SEWER			DESIGN CRW FIELD BOOK #64 & MOA FIELD BOOK #3831	GAAB78	See MOA Benchmark Book, Page D-14	137.38				
WATER/SANITARY SEWER				TNH 8	See MOA Benchmark Book, Page D-19	139.98				
GAS			STAKING							
TELEPHONE										
ELECTRIC										
DESIGN			ASBUILT							
QUANTITIES			CONTRACTOR							
PRELIMINARY/FINAL			INSPECTOR							
MUNICIPAL/STATE										

**CRW ENGINEERING GROUP INC.**

3940 ARCTIC BLVD. SUITE 300  
ANCHORAGE, ALASKA 99503  
PHONE: (907) 562-3252  
#AECLE882-AK

STATE OF ALASKA  
JUSTIN T. KEENE  
CE-11775  
5/1/2026  
REGISTERED PROFESSIONAL ENGINEER

MUNICIPALITY OF ANCHORAGE

**PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT**

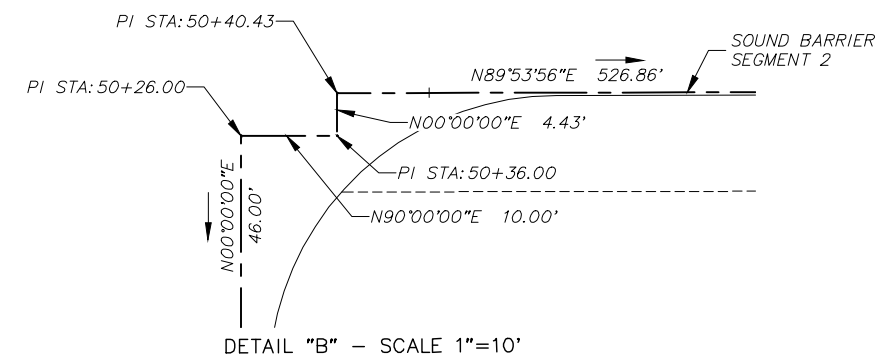
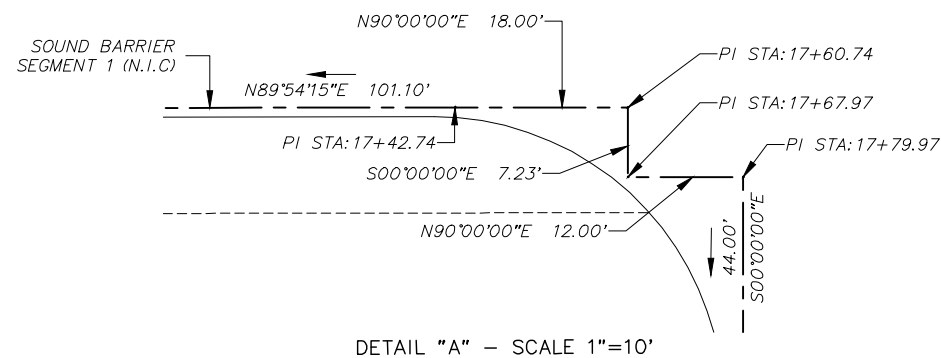
PROJ NO. 22-30 NLB SOUND BARRIER FENCE SCHEDULE ALL

**GENERAL NOTES, KEY MAP, INDEX & LEGEND**

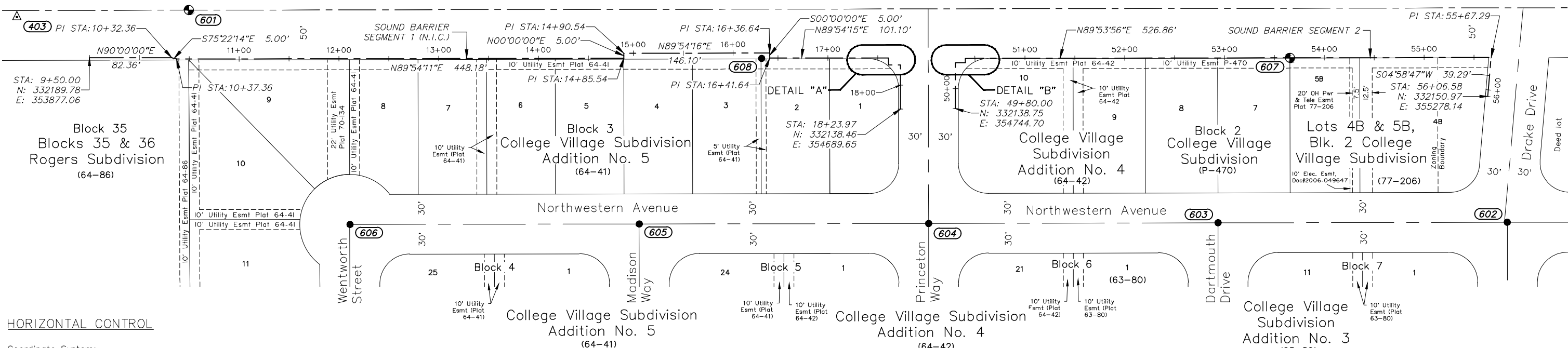
SCALE HOR. N/A VER. N/A GRID SW#33 DATE MAY 2026 STATUS FINAL SHEET 2 of 12

**LEGEND**

- Existing Brass Cap
- Existing Rebar or Iron Pipe
- ▲ Control set by CRW
- 500 Control Point Number



**EAST NORTHERN LIGHTS BOULEVARD**



**HORIZONTAL CONTROL**

Coordinate System:  
This project is located entirely within the Anchorage Bowl 2000 adjustment, a local surface grid coordinate system expressed in U.S. Survey feet units developed by the Alaska Department of Transportation.

Basis of Coordinates:  
The Basis of Coordinates is NGS Station O'Malley, located near the intersection of the New Seward Highway and O'Malley Road. Said station has Anchorage Bowl 2000 coordinates of 303939.2310 N, 353362.5446 E. U.S. Survey Feet.

Basis of Bearings:  
The Basis of Bearings is a local plane bearing between NGS Station O'Malley and NGS Station Loop 2 USE RM 3 1964. NGS Station Loop 2 USE RM 3 1964 bears N 01°43'26.4" E a distance of 49488.4476 feet from NGS Station O'Malley. NGS Station Loop 2 USE RM 3 1964 has Anchorage Bowl 2000 coordinates of 353405.2778 N, 354851.3982 E. U.S. Survey Feet.

Translation Parameters:  
To convert the local coordinates to NAD83 (92) State Plane coordinates expressed in U.S. Survey Feet, translate using +2,296,868.6878 N U.S. Survey Feet, +1,312,517.4904 E U.S. Survey Feet, and scale using 0.9998910192.

**VERTICAL CONTROL**

Vertical control is based on the MOA Benchmark GAAB 78, Elevation = 137.38 feet (GAAB), a 2 1/2 inch brass cap set vertically on the east face 0.4 feet south of the northeast corner of a commercial building approximately 266 feet west of Lake Otis Parkway and 213 feet north of East Northern Lights Boulevard. The building is currently a medical office building and the address is 2211 East Northern Lights Boulevard. A complete description of GAAB 78 is on page D-14 of the MOA Benchmark Book. GAAB 78 was validated by a closed loop from MOA Benchmark "TNH B" elevation = 139.98'.

CONTROL POINTS - SOUND BARRIER SEGMENT 1					
Point	Northing	Easting	Station	Offset	Description
*401	332217.83	353330.89	-	-	2" Alum. Cap on 5/8" Rebar - CRW Control *
403	332230.61	353804.39	-	-	2" Alum. Cap on 5/8" Rebar - CRW Control
601	332237.51	353976.36	10+49.54	48.97 LT	2 1/2" Brass Cap in Monument Case
604	332023.70	354717.80	-	-	5/8" Rebar, no cap, flush with pavement
605	332023.12	354427.88	15+05.70	171.18 RT	5/8" Rebar, no cap, flush with pavement
606	332022.59	354138.02	12+10.84	166.22 RT	5/8" Rebar, no cap, 0.05' below pavement
608	332189.05	354550.44	16+28.53	5.45 RT	5/8" Rebar, no cap, flush with ground

\* Control point not shown within viewpoint

CONTROL POINTS - SOUND BARRIER SEGMENT 2					
Point	Northing	Easting	Station	Offset	Description
602	332024.85	355297.64	-	-	5/8" Rebar, no cap, flush with pavement
603	332024.39	355007.79	52+93.23	165.24 RT	5/8" Rebar, no cap, flush with pavement
607	332189.46	355079.74	53+65.47	0.30 RT	3 1/4" Brass Cap Monument flush with ground

**NOTES:**

- The field survey was performed by CRW Engineering Group from May 12, 2010 to May 24, 2010. An additional survey was conducted June 12-15, 2023, within the alignment corridor to identify and survey changed conditions such as trees removed and/or planted, new or removed improvements, and verified underground utility locates from the original survey. The field survey notes are in CRW Engineering Group Field Book 64, and MOA Field Book 3831 respectively.
- A title search was not performed, easements of record other than those shown on the recorded plats are not shown hereon.

**RECORD DRAWING**

THIS WILL SERVE TO CERTIFY THAT THESE RECORD DRAWINGS ARE A TRUE AND ACCURATE REPRESENTATION OF THE PROJECT AS CONSTRUCTED.

CONTRACTOR: \_\_\_\_\_

BY: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

DATA	DRAWN BY	CHECKED BY
BASE	BW	BW
TOPOGRAPHY	BW	BW
PROFILE	BW	BW
STORM SEWER	BW	BW
WATER/SANITARY SEWER	BW	BW
GAS	BW	BW
TELEPHONE	BW	BW
ELECTRIC	BW	BW
DESIGN		
QUANTITIES		
PRELIMINARY/FINAL		
MUNICIPAL/STATE		

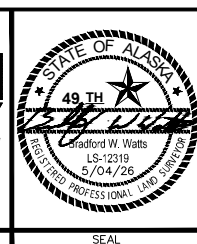
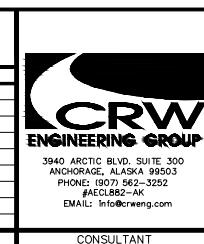
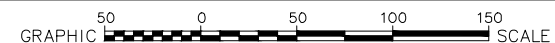
FIELD BOOKS	BM NO.	LOCATION	ELEV.	REV.	DATE	DESCRIPTION	BY
DESIGN CRW FIELD BOOK #64	GAAB78	See MOA Benchmark Book Page D-14	137.38				
MOA FIELD BOOK #3831	TNH B	See MOA Benchmark Book Page D-19	139.98				

ASBUILT	CONTRACTOR	INSPECTOR

BASIS OF THIS DATUM
GAAB 1972 Adjust



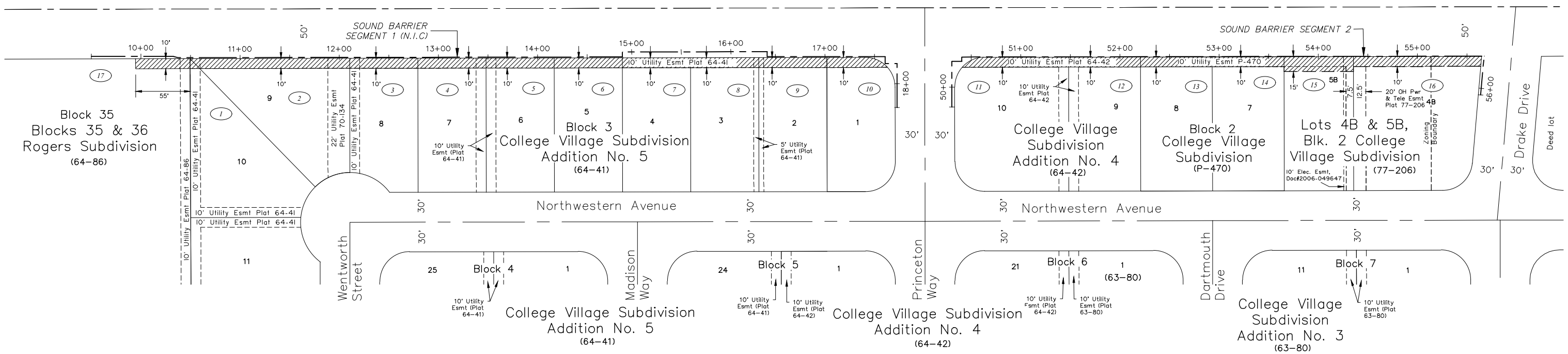
**PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT**

PROJ. NO. 22-30    NLB SOUND BARRIER FENCE    SCHEDULE ALL

**SURVEY CONTROL**

SCALE: HOR. 1"=50'    GRID: SW1633    DATE: MAY 2026    STATUS: FINAL    SHEET: 3 of 12

EAST NORTHERN LIGHTS BOULEVARD



LEGEND

- 1A Parcel Number
- Temporary Construction Permit (TCP)/  
Intragovernmental Temporary Construction Permit (ITCP)

Temporary Construction Permits (TCP) and Intragovernmental Temporary Construction Permits (ITCP) are dimensioned on this sheet. Temporary Construction Easements (TCE) are dimensioned on a separate parcel map exhibit.

Right of Way Acquisition Table		
Parcel	Legal Description	Type
1	Lot 10, Block 3, College Village Subdivision Add. No. 5, Plat No. 64-41	TCP
2	Lot 9, Block 3, College Village Subdivision Add. No. 5, Plat No. 64-41	TCP
3	Lot 8, Block 3, College Village Subdivision Add. No. 5, Plat No. 64-41	TCP
4	Lot 7, Block 3, College Village Subdivision Add. No. 5, Plat No. 64-41	TCP
5	Lot 6, Block 3, College Village Subdivision Add. No. 5, Plat No. 64-41	TCP
6	Lot 5, Block 3, College Village Subdivision Add. No. 5, Plat No. 64-41	TCP
7	Lot 4, Block 3, College Village Subdivision Add. No. 5, Plat No. 64-41	TCP
8	Lot 3, Block 3, College Village Subdivision Add. No. 5, Plat No. 64-41	TCP
9	Lot 2, Block 3, College Village Subdivision Add. No. 5, Plat No. 64-41	TCP

Right of Way Acquisition Table		
Parcel	Legal Description	Type
10	Lot 1, Block 3, College Village Subdivision Add. No. 5, Plat No. 64-41	TCP
11	Lot 10, Block 2, College Village Subdivision Add. No. 4, Plat No. 64-42	TCP
12	Lot 9, Block 2, College Village Subdivision Add. No. 4, Plat No. 64-42	TCP
13	Lot 8, Block 2, College Village Subdivision, P-470	TCP
14	Lot 7, Block 2, College Village Subdivision, P-470	TCP
15	Lot 5B, Block 2, College Village Subdivision, Plat No. 77-206	TCP
16	Lot 4B, Block 2, College Village Subdivision, Plat No. 77-206	TCP
17	Block 35, Blocks 35 & 36 Rogers Subdivision, Plat No. 64-86	ITCP

File: \\creseng.com\Projects\SubData\015106 ENLB Sound Barrier Ph. 3\00 CAD\01 Working Set\02 Survey\02 ROW Base\22-30 Temporary Easement And Permit Index Map.dwg

**RECORD DRAWING**

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CONTRACTOR: \_\_\_\_\_

BY: \_\_\_\_\_

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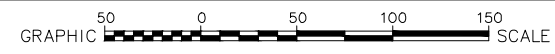
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BASE	BW	BW
TOPOGRAPHY	BW	BW
PROFILE		
STORM SEWER	BW	BW
WATER/SANITARY SEWER	BW	BW
GAS	BW	BW
TELEPHONE	BW	BW
ELECTRIC	BW	BW
DESIGN		
QUANTITIES		
PRELIMINARY/FINAL		
MUNICIPAL/STATE		

FIELD BOOKS	BM NO.	LOCATION	ELEV.	REV.	DATE	DESCRIPTION	BY
DESIGN CRW FIELD BOOK #64	GAAB78	See MOA Benchmark Book Page D-14	137.38				
MOA FIELD BOOK #3831	TNH 8	See MOA Benchmark Book Page D-19	139.98				

CONTRACTOR	INSPECTOR	BASIS OF THIS DATUM
		GAAB 1972 Adjust



**CRW ENGINEERING GROUP**

3940 ARCTIC BLVD. SUITE 300  
ANCHORAGE, ALASKA 99503  
PHONE: (907) 562-3252  
#ATC0892-AK  
EMAIL: info@crweng.com

STATE OF ALASKA  
49 TH  
Bradford W. Watts  
LS-12319  
5/04/26  
REGISTERED PROFESSIONAL LAND SURVEYOR

MUNICIPALITY OF ANCHORAGE

PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

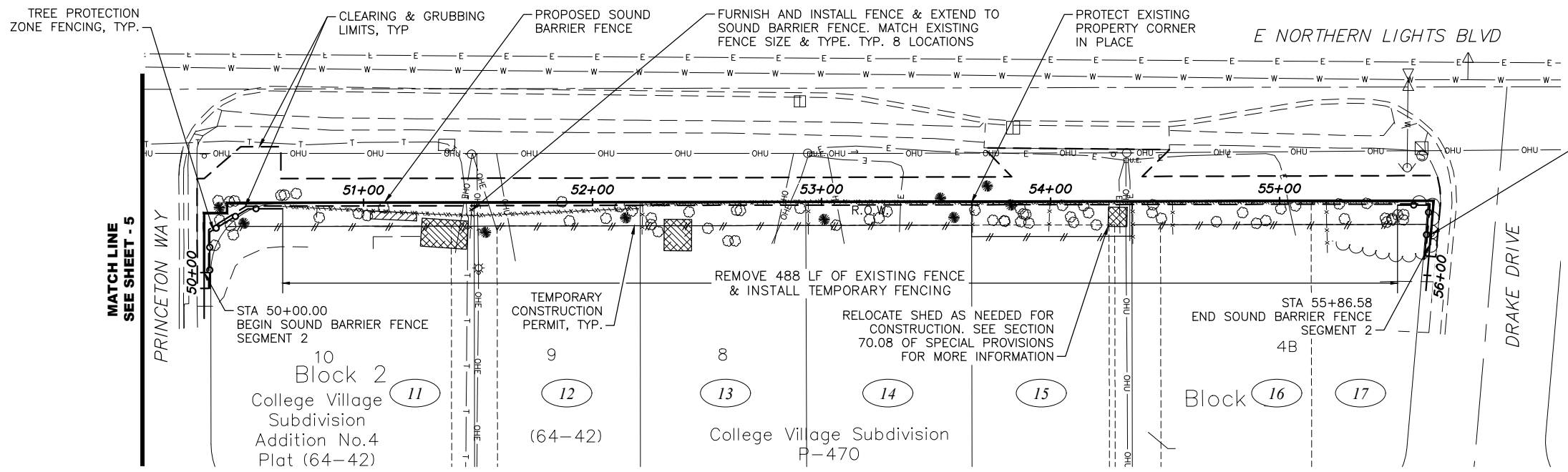
PROJ NO. 22-30 NLB SOUND BARRIER FENCE SCHEDULE ALL

**TEMPORARY EASEMENT AND PERMIT INDEX MAP**

SCALE HOR. 1"=50'  
VER. N/A

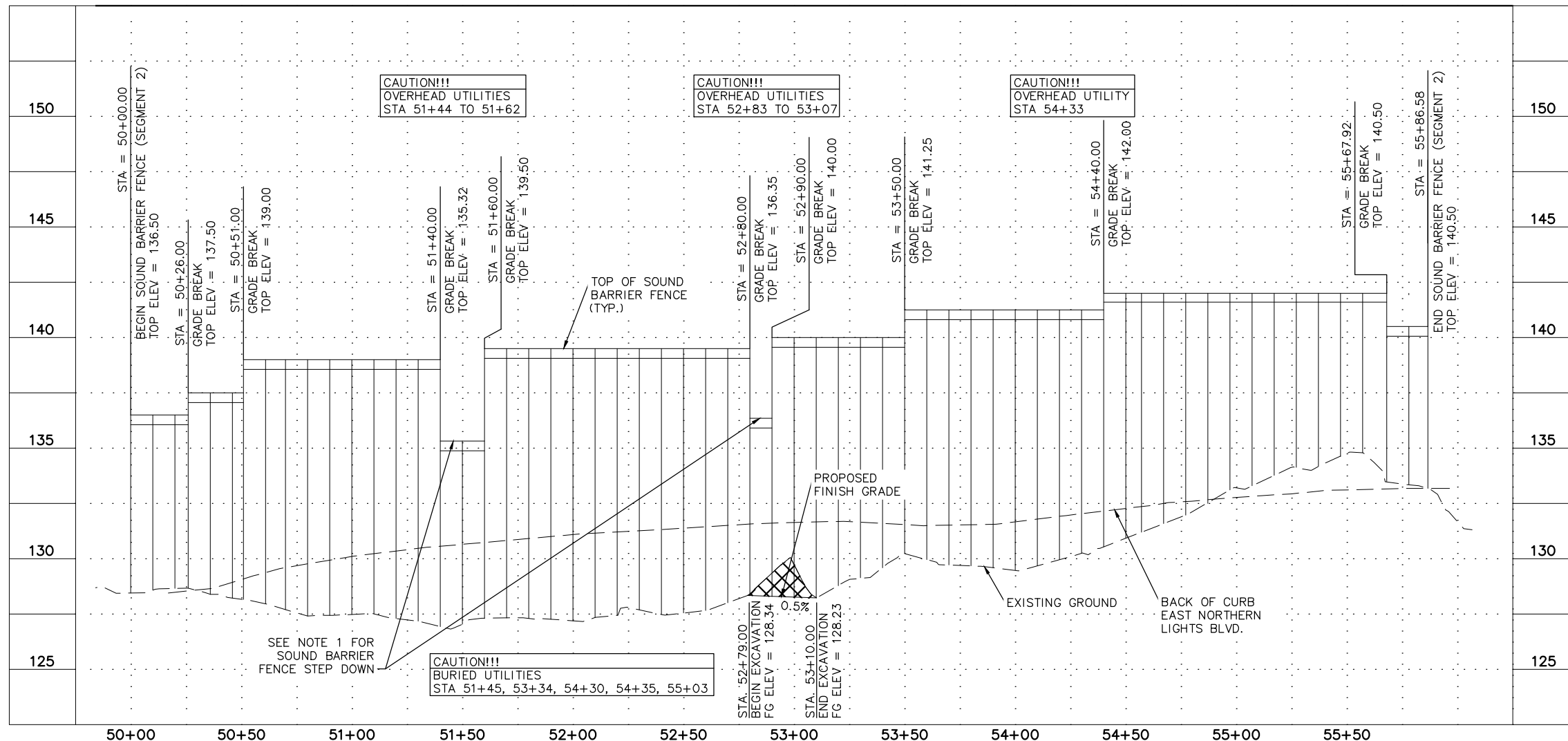
GRID SW1633  
DATE MAY 2026 STATUS FINAL SHEET 4 of 12





REMOVE AND RELOCATE EXISTING SIGN 10 FEET SOUTH OF EXISTING LOCATION. CONFIRM NEW SIGN LOCATION WITH ENGINEER PRIOR TO INSTALLATION

NOTE:  
 1. THE PURPOSE OF THE PROPOSED SOUND BARRIER FENCE STEP DOWNS ARE TO ENSURE 12-FOOT OF VERTICAL SEPARATION BETWEEN THE OVERHEAD ELECTRIC LINE CROSSINGS AND THE TOP OF THE PROPOSED SOUND BARRIER FENCE. PRIOR TO INSTALLING THE POSTS FOR THE STEP DOWN, STAKE THE STEP DOWN POSTS FOR REVIEW AND APPROVAL BY THE ENGINEER IN THE FIELD. ADJUSTMENTS REQUIRED BY ENGINEER AFTER STAKING THE POSTS INCLUDING RELOCATING THE STEP DOWN POSTS OR ADJUSTING THE HEIGHT OF THE PROPOSED SOUND BARRIER FENCE AT THE STEP DOWNS AS DIRECTED BY THE ENGINEER ARE INCIDENTAL TO THE SECTION 70.08 FURNISH AND INSTALL SOUND BARRIER FENCE PAY ITEM AND NO SEPARATE PAYMENT SHALL BE MADE.



File: \\creseng.com\Projects\JobsData\10151.06 ENLB Sound Barrier Ph. 3\00\_CADD\01 Working Set\01 Civil\02 Design\10151.06 Plan & Profile.dwg

**RECORD DRAWING**  
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 CONTRACTOR: \_\_\_\_\_  
 BY: \_\_\_\_\_  
 TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

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PROFILE		
STORM SEWER		
WATER/SANITARY SEWER		
GAS		
TELEPHONE		
ELECTRIC		
DESIGN		
QUANTITIES		
PRELIMINARY/FINAL		
MUNICIPAL/STATE		

FIELD BOOKS	BM NO.	LOCATION	ELEV.	REV.	DATE	DESCRIPTION	BY
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STAKING	TNH 8	See MOA Benchmark Book, Page D-19	139.98				

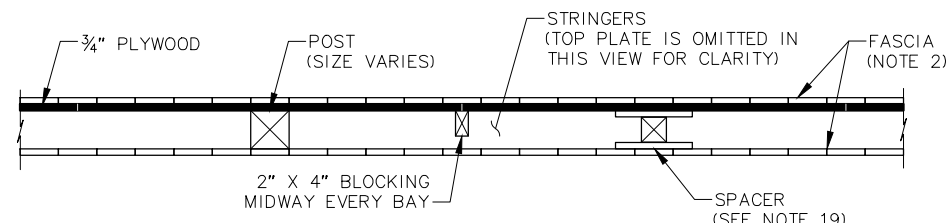
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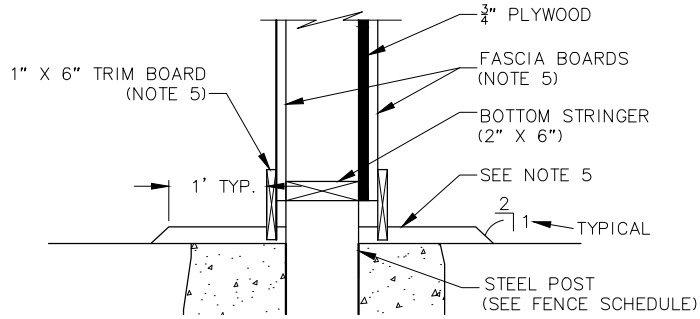
**PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT**  
 PROJ. NO. 22-30    NLB SOUND BARRIER FENCE    SCHEDULE A

**PLAN AND PROFILE**  
 SEGMENT 2

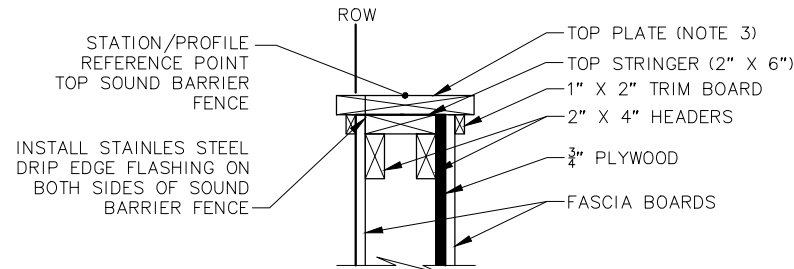
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 GRID SW833    DATE MAY 2026    STATUS FINAL    SHEET 6 of 12



**SOUND BARRIER FENCE TOP VIEW**  
NOT TO SCALE



**DETAIL "C"**  
NOT TO SCALE

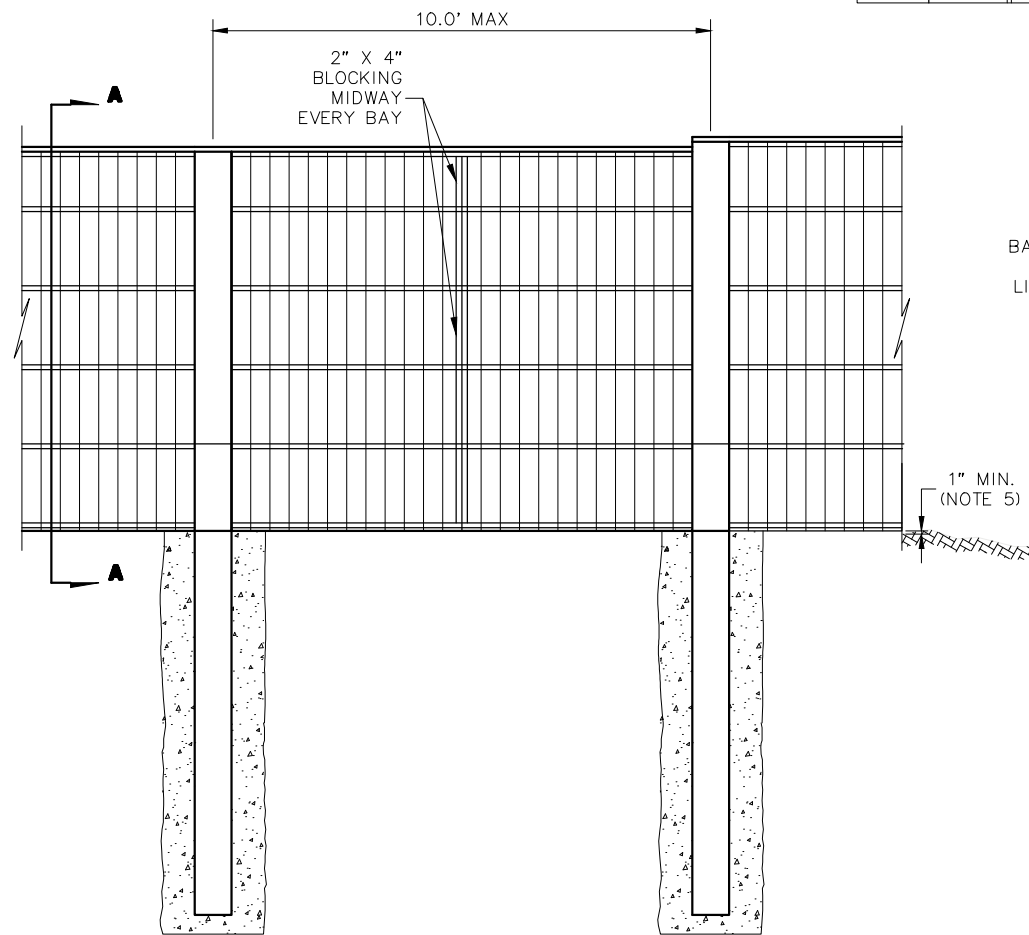


**DETAIL "B"**  
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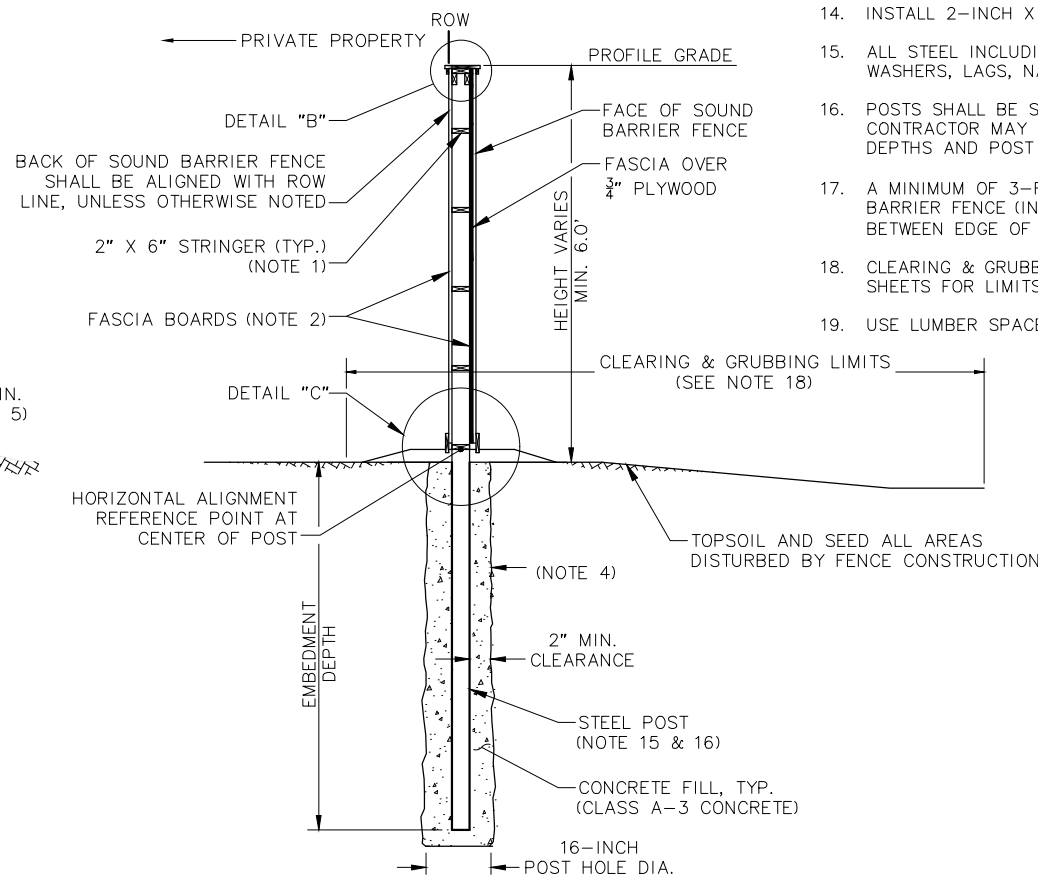
MAX FENCE HEIGHT (FT.)	POST SPACING (FT.)	POST SIZE, FOUNDATION TYPE, & DEPTH				STRINGER	
		16" AUGERED WITH CONCRETE		DRIVEN EMBEDMENT DEPTH		NO. REQ'D	SIZE (IN. X IN.)
		SIZE (IN. X IN. X IN.)	EMBEDMENT DEPTH	HSS 5.5X5.5X5/16	HSS 8X8X5/16		
6	10	HSS3.5X3.5X5/16	5'-9"	9'-0"	7'-9"	4	2 X 6
8	10	HSS3.5X3.5X5/16	6'-9"	10'-6"	9'-0"	5	2 X 6
10	10	HSS4.5X4.5X3/8	7'-9"	12'-0"	10'-3"	6	2 X 6
12	10	HSS5X5X5/16	8'-9"	13'-6"	11'-6"	7	2 X 6
13	10	HSS5.5X5.5X3/8	9'-0"	14'-0"	12'-0"	8	2 X 6

**SOUND BARRIER FENCE NOTES:**

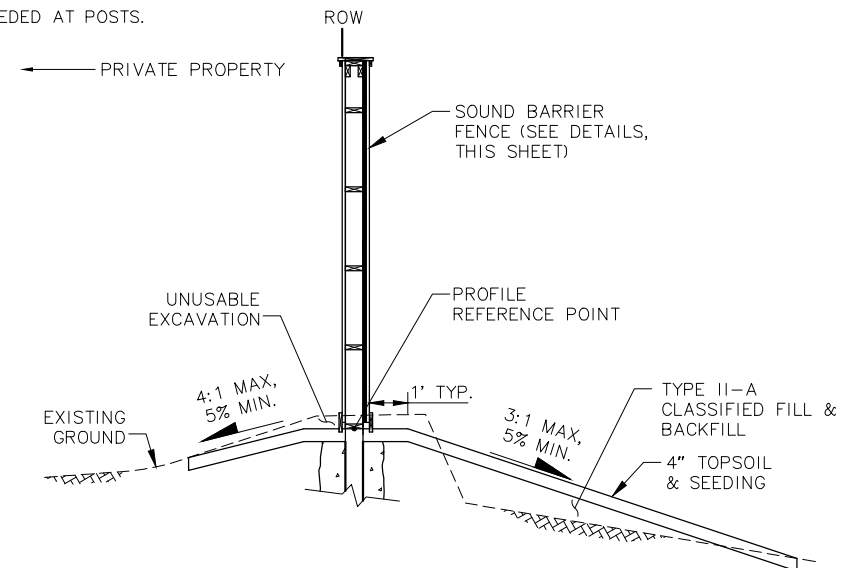
- ATTACH STRINGERS TO POST USING SIMPSON HGA10KT OR APPROVED EQUAL AT EACH END. SPACE STRINGERS EVENLY, CENTERED ON POST. USE SUPPLIED SCREWS TO ATTACH STRINGER TO BRACKET. USE 1/4" TEKS SELF-DRILLING SCREWS OR APPROVED EQUAL TO ATTACH BRACKET TO POST.
- VERTICAL FASCIA BOARDS SHALL BE 1-INCH X 6-INCH (NOMINAL) CEDAR FASTENED TO EACH STRINGER USING 2-10d NAILS. MINIMUM THICKNESS SHALL BE 9/16-INCH.
- TOP PLATES SHALL BE 2 X 10 CEDAR. FASTEN USING 2-10d NAILS AT 24-INCH O.C.
- CLASS A-3 CONCRETE SHALL BE USED FOR FILLING POST HOLES.
- THE FINAL GRADE AT THE BASE OF THE BARRIER SHALL BE LEVEL AND SMOOTH. THE BOTTOM OF THE PLYWOOD AND FASCIA BOARDS SHALL BE 2 INCHES ABOVE GRADE. THE BOTTOM TRIM BOARD SHALL BE IMBEDDED 1-INCH BELOW GRADE.
- LOCATE UTILITIES PRIOR TO POST EXCAVATION OR DRIVING POSTS. CERTAIN WORK WILL BE PERFORMED WITHIN MINIMUM CLEARANCES OF ELECTRICAL LINES AND SHALL BE UNDER THE DIRECT SUPERVISION OF QUALIFIED PERSONS TRAINED AND CERTIFIED IN ELECTRICAL OUTSIDE LINE WORK, AND APPROVED BY THE AFFECTED UTILITY.
- UNDERGROUND WATER AND SEWER FACILITIES WITHIN 10- FEET OF THE SOUND BARRIER FENCE ALIGNMENT THAT CANNOT BE LOCATED BY SURFACE AMENITIES SHALL BE PHYSICALLY LOCATED PRIOR TO INSTALLATION OF POSTS BY POTHOLOING. POTHOLOING OF UTILITIES SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM FURNISH AND INSTALL SOUND BARRIER FENCE.
- STAKE RIGHT-OF-WAY LINES AND SOUND BARRIER FENCE ALIGNMENT FOR INSPECTION BY THE ENGINEER PRIOR TO BEGINNING SOUND BARRIER FENCE CONSTRUCTION.
- PLYWOOD SHALL BE SECURED TO THE STRINGERS USING 2-10d NAILS AT 24-INCH O.C. PLYWOOD SHALL BE SECURED TO THE NORTH SIDE ALONG NLB, WEST SIDE ALONG PRINCETON WAY AND EAST SIDE ALONG DRAKE DRIVE.
- INSTALL POSTS AT ALL ALIGNMENT ANGLE POINTS AND PROFILE GRADE BREAKS.
- REFER TO SHEETS 4 THRU 5 FOR STATION, OFFSET AND HEIGHT.
- TRANSITION PANEL STRINGERS AND POST REQUIREMENTS SHALL BE THOSE OF THE HIGHER FENCE AT PROFILE GRADE BREAKS.
- ALL STRINGERS AND ANY WOOD IN DIRECT CONTACT WITH THE GROUND SHALL BE PRESERVATIVE PRESSURE TREATED. SEE SPECIAL PROVISIONS.
- INSTALL 2-INCH X 4-INCH HEADER BOARDS TO TOP STRINGER AS SHOWN IN DETAIL "B". USE 16d NAILS 12-INCH O.C.
- ALL STEEL INCLUDING STEEL POSTS SHALL BE HOT-DIP GALVANIZED. ALL FASTENERS, BRACKETS, ANGLES, BOLTS, WASHERS, LAGS, NAILS OR OTHER FASTENERS SHALL BE HOT-DIP GALVANIZED.
- POSTS SHALL BE STEEL TUBES, ASTM A500 GRADE B. EXPOSED POSTS SHALL BE CAPPED WITH CEDAR BOARDS. THE CONTRACTOR MAY CHOOSE TO DRIVE POSTS INSTEAD OF USING AN EXCAVATED FOUNDATION WITH CONCRETE. EMBEDMENT DEPTHS AND POST SIZE SHALL BE AS SHOWN ON THE SOUND BARRIER FENCE SCHEDULE.
- A MINIMUM OF 3-FOOT OF CLEARANCE MUST BE MAINTAINED BETWEEN EDGE OF SIDEWALK/PATHWAY AND THE SOUND BARRIER FENCE (INCLUDING ANY APPURTENANCES.) A MINIMUM OF 2-FOOT OF CLEARANCE SHALL BE MAINTAINED BETWEEN EDGE OF SIDEWALK/PATHWAY AND ANY VEGETATION.
- CLEARING & GRUBBING LIMITS SHALL BE A MAXIMUM OF 12 FEET WIDE, EXCEPT AT LANDSCAPING BEDS. SEE LANDSCAPING SHEETS FOR LIMITS OF LANDSCAPING BEDS FOR CLEARING & GRUBBING EXTENTS.
- USE LUMBER SPACERS AS NEEDED AT POSTS.



**SOUND BARRIER FENCE ELEVATION**  
NOT TO SCALE



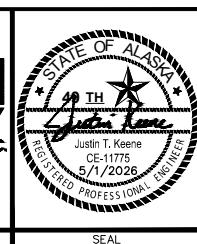
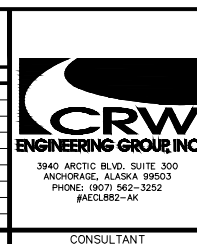
**SOUND BARRIER FENCE SECTION A-A END VIEW**  
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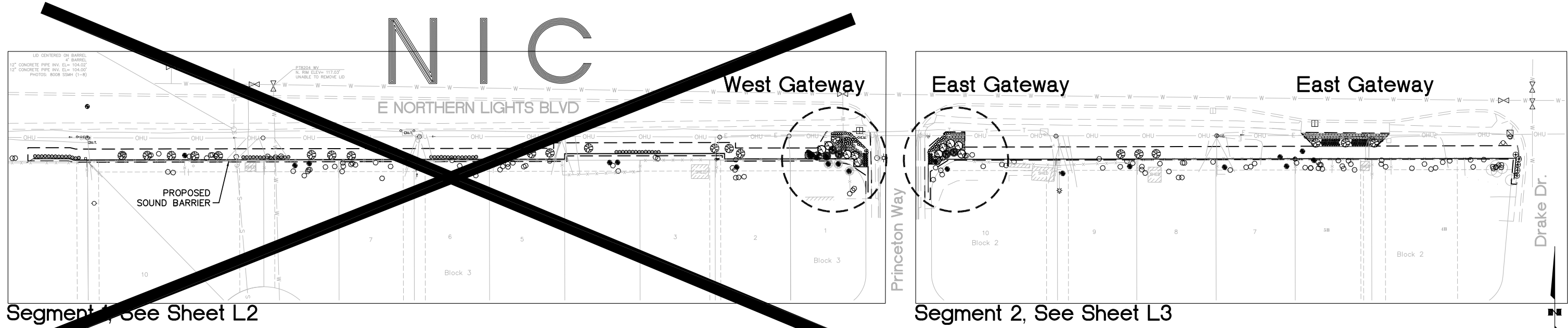
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STA 52+79 TO STA 53+10  
NOT TO SCALE

**RECORD DRAWING**  
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BY: \_\_\_\_\_  
TITLE: \_\_\_\_\_  
DATE: \_\_\_\_\_

DATA	DRAWN BY	CHECKED BY	FIELD BOOKS	BM NO.	LOCATION	ELEV.	REV.	DATE	DESCRIPTION	BY
BASE TOPOGRAPHY			DESIGN CRW FIELD BOOK No. 64 & MOA FIELD BOOK No. 3831	GAAB78	See MOA Benchmark Book, Page D-14	137.38				
PROFILE			STAKING	TNH 8	See MOA Benchmark Book, Page D-19	139.98				
STORM SEWER										
WATER/SANITARY SEWER										
GAS										
TELEPHONE										
ELECTRIC										
DESIGN										
QUANTITIES										
PRELIMINARY/FINAL										
MUNICIPAL/STATE										



PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT		
PROJ NO. 22-30	NLB SOUND BARRIER FENCE	SCHEDULE ALL
<b>CIVIL DETAILS</b>		
SCALE HOR. NTS VER. NTS	GRID SW833 DATE MAY 2026	STATUS FINAL
		SHEET 7 of 12



Segment 1, See Sheet L2

Segment 2, See Sheet L3

# Landscape Key Map

Not to Scale

## Plant Schedule

Common Name	Botanical Name	Quantity	Spacing (min.)	Size	Notes
<b>Trees</b>					
Birch	Betula papyifera	6	8' o.c.	3" cal.	See note 4
Snowdrift Crab	Malus x 'Snowdrift'	3	As shown	2" cal.	
Oregon Crab	Malus diversifolia	3	16' o.c.	2" cal.	
Spruce <b>NLC</b>	Picea glauca	0	As shown	6" Tall	
Siberian Pine	Pinus siberica	2	As shown	6' Tall	Nursery grown
<b>Shrubs</b>					
Nuuk P <b>NLC</b>	Potentilla tridentata sibbaldiopsis	25	24" o.c.	12" spread/1 Gal.	Nursery grown
Raspberry <b>NLC</b>	Rubus 'Killarney'	0	3' o.c.	18" tall, 3 canes	Nursery grown
Spirea	Spirea beauverdiana	88	30" o.c.	18" Tall	Nursery grown
Willow	Salix lucida	5	5' o.c.	30" Tall	
<b>Perennials</b>					
Reed Grass	Calamagrostis x acutifolia 'Karl Forester'	58	24" o.c.	18" Tall/1 Gal.	Nursery grown

## Notes

- All plants shall meet American Standard for Nursery Stock (ANSI z60.1-2014), AmericanHort. 2130 Stella Court, Columbus OH 43215 www.AmericanHort.org.
- All plants to be field located prior to excavation of planting beds for approval by the Engineer/Landscape Architect/Owner. Locations may be adjusted as required to avoid utilities, drainage swales or existing vegetation.
- Plants shall be weed free at time of planting.
- Birch shall be minimum 1/2 foliage and 1/2 trunk. All birch to be minimum height of 22'.

- Mulch continuously throughout all planting beds with 3" deep shredded bark mulch. See details.
- Completely pre-fill all planting beds with water and allow to drain. Contact Owner if beds do not drain within 3 hours, do not plant in poorly drained soils.
- Topsoil and seed all disturbed areas. DO NOT SEED PLANTING BEDS. Use MASS Schedule B Grass and Wildflower Seed Mix for all disturbed areas north of the fence. Use MASS Schedule A Mowable/Turf Seed Mix for homeowner lawns unless otherwise directed by the Engineer.

- All seeded areas shall receive 4-inches of topsoil measured after compaction, transition to existing grade.
- All plant species to be hardy and known to thrive in Alaska. Substitutions shall be approved by the Owner in writing.

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**RECORD DRAWING**

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BY: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

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TOPOGRAPHY	---	---					
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STORM SEWER	---	---	DESIGN MOA BOOK No. xxxxx, xxxxx,	GAAB xx	See MOA Benchmark Book, Page x-x	xxx.xx	DATE
WATER/SANITARY SEWER	---	---	xxxxx, xxxxx, xxxxx & xxxxx	GAAB xx	See MOA Benchmark Book, Page x-x	xxx.xx	DESCRIPTION
GAS	---	---	STAKING				BY
TELEPHONE	---	---					
ELECTRIC	---	---					
DESIGN	---	---	ASBUILT				
QUANTITIES	---	---	CONTRACTOR				
PRELIMINARY/FINAL	---	---	INSPECTOR				
MUNICIPAL/STATE	---	---					
PLAN CHECK			CONSTRUCTION RECORD				
			VERTICAL DATUM				
			REVISIONS				

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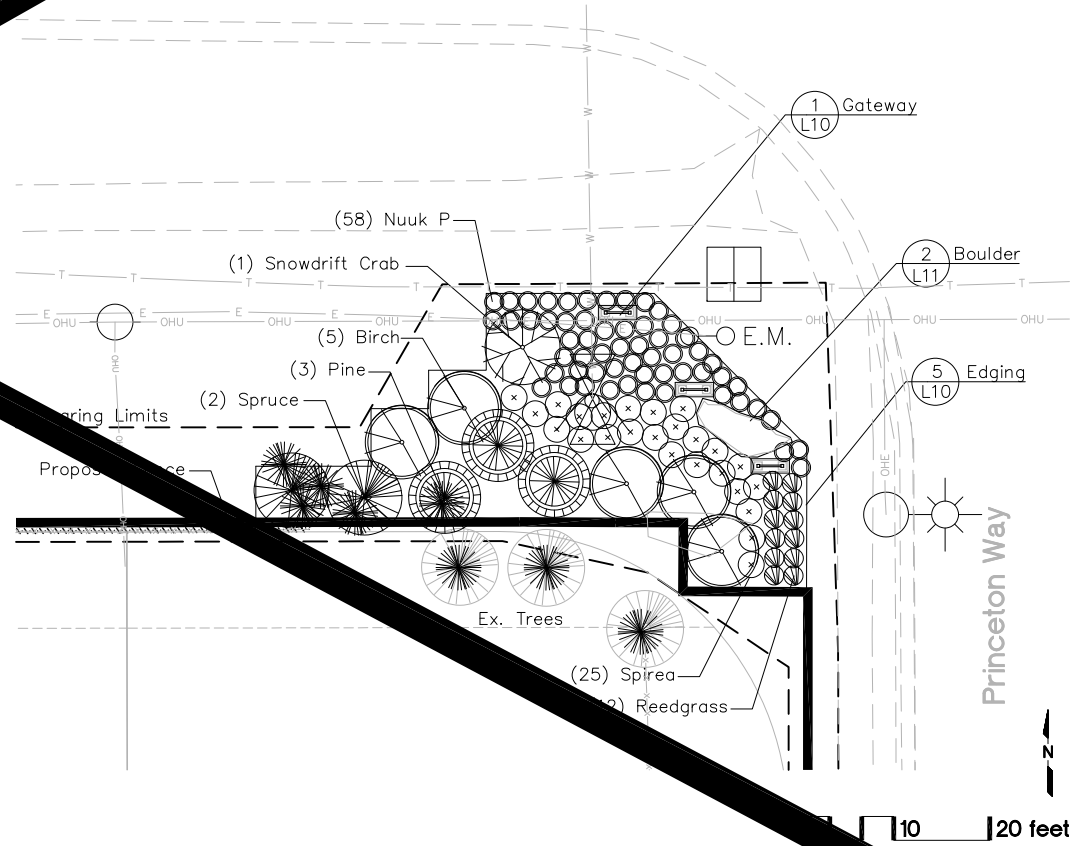
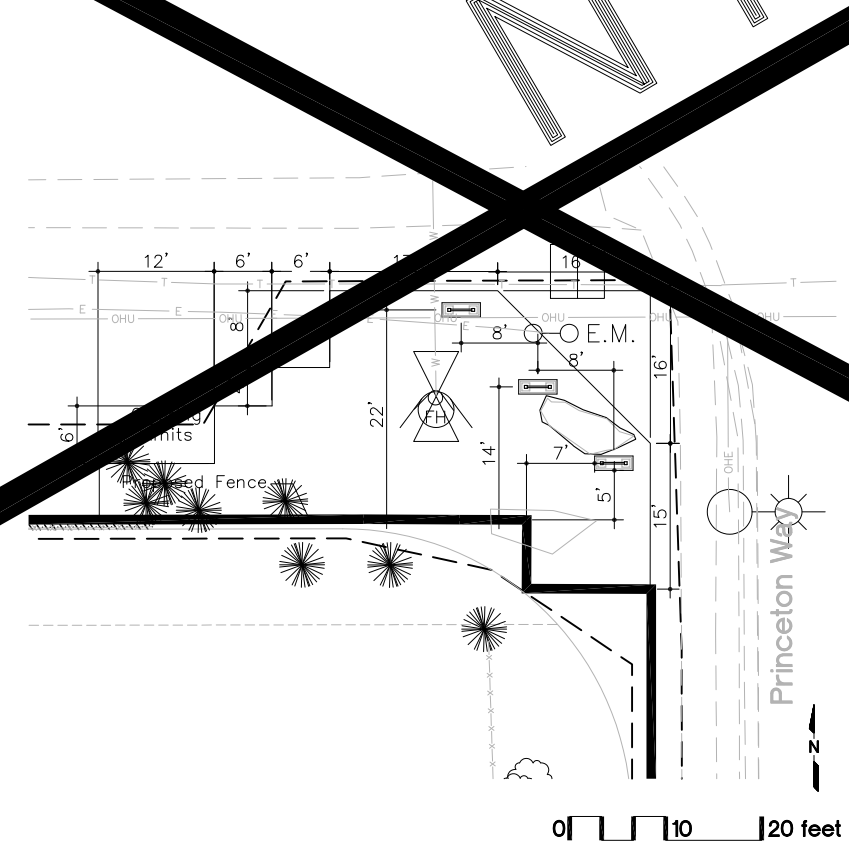
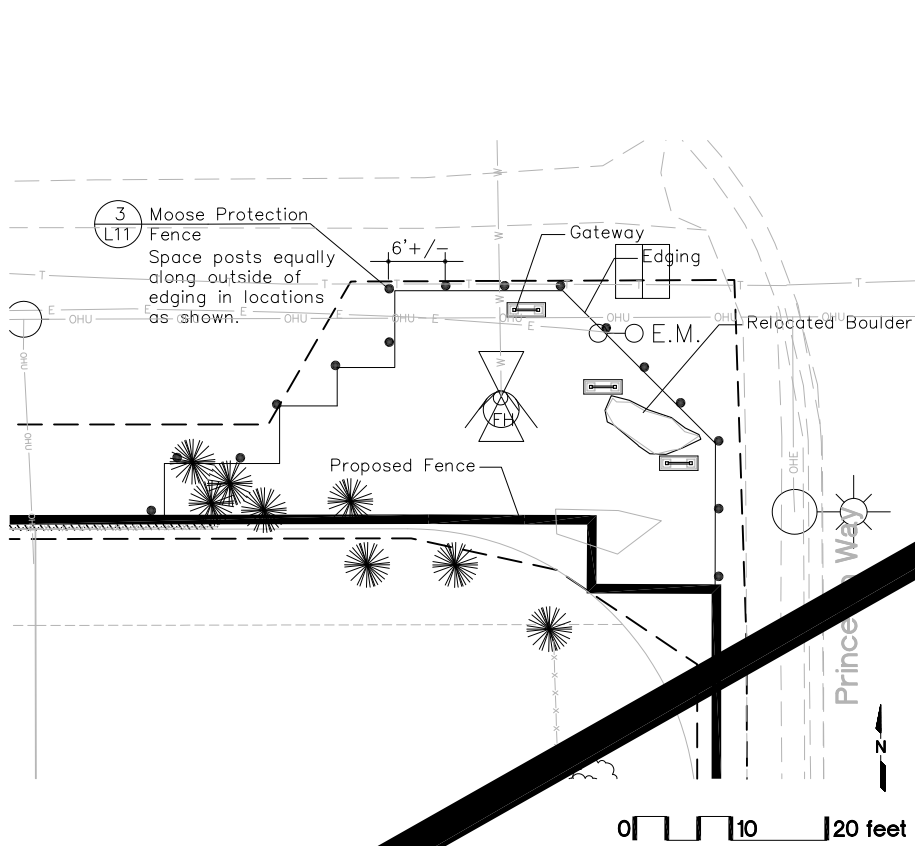
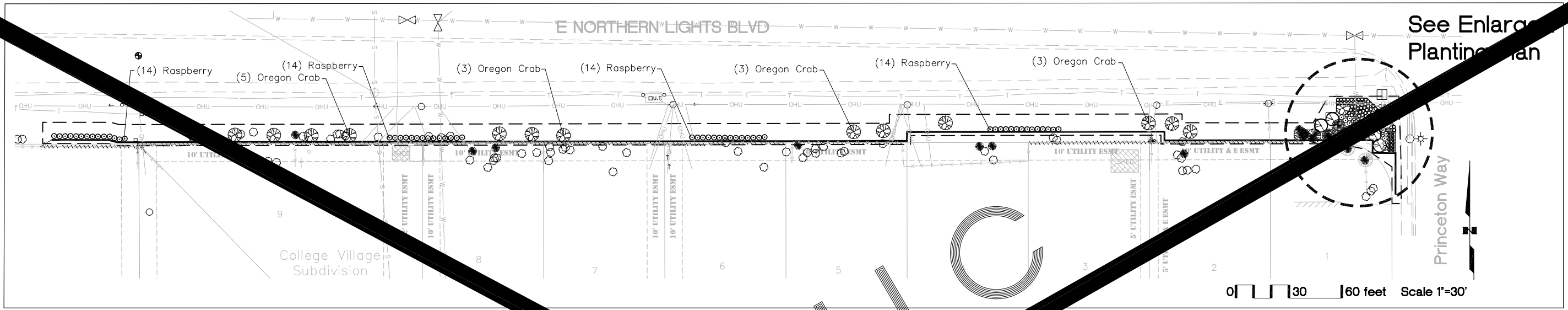
**PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT**

PROJ NO. 22-30 NLB SOUND BARRIER FENCE SCHEDULE ALL

**OVERALL LANDSCAPE PLAN**

OVERALL LANDSCAPE PLAN

SCALE	HOR. NTS	GRID	DATE	STATUS	SHEET
	VER. N/A		MAY-2026	100%	8 of 12



Moose Protection Fence Layout Plan Scale 1"=10'

Edging and Gateway Layout Plan Scale 1"=10'

Enlarged West Gateway Planting Plan Scale 1"=10'

Segment 1 - Landscape Plan

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**RECORD DRAWING**  
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 BY: \_\_\_\_\_  
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TOPOGRAPHY							
PROFILE							
STORM SEWER							
WATER/SANITARY SEWER							
GAS							
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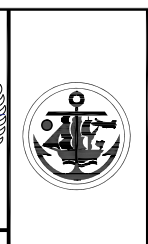
  

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PLAN CHECK	CONSTRUCTION RECORD	VERTICAL DATUM	REVISIONS

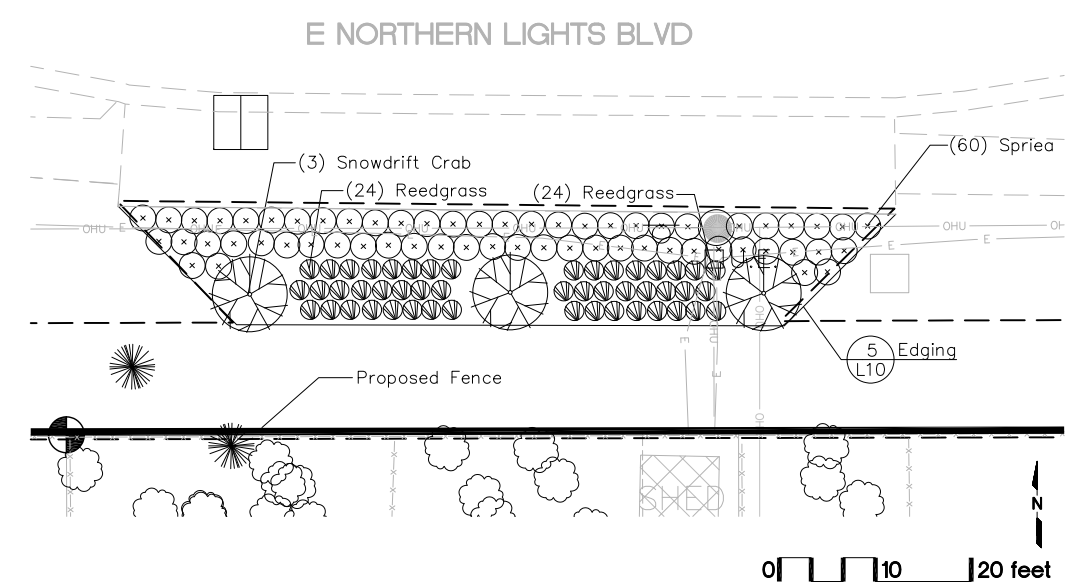
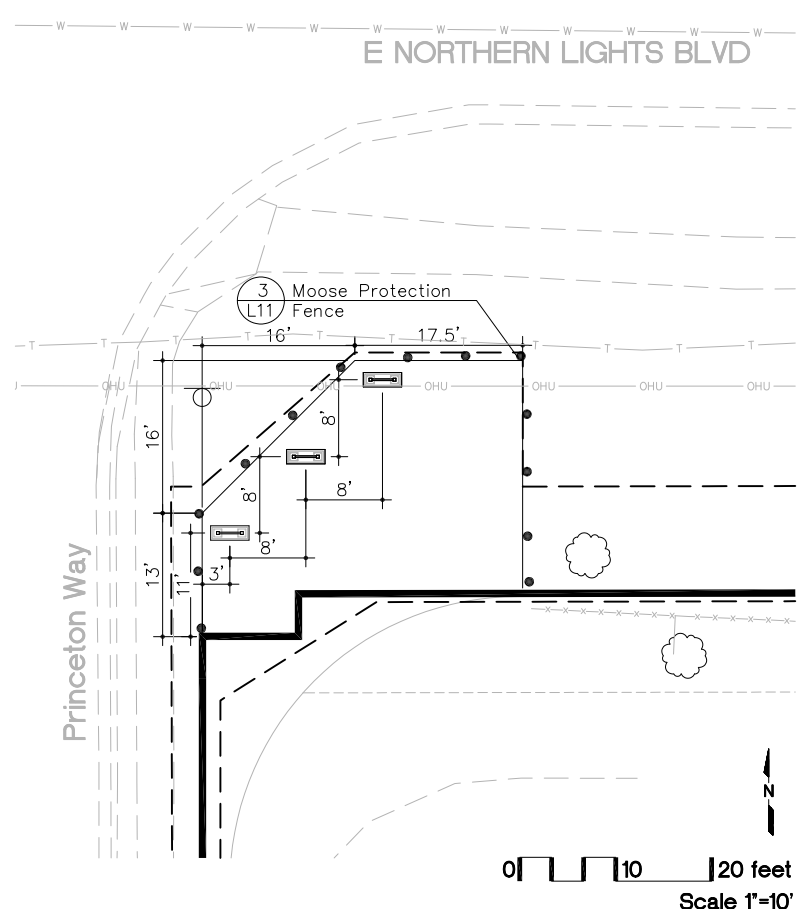
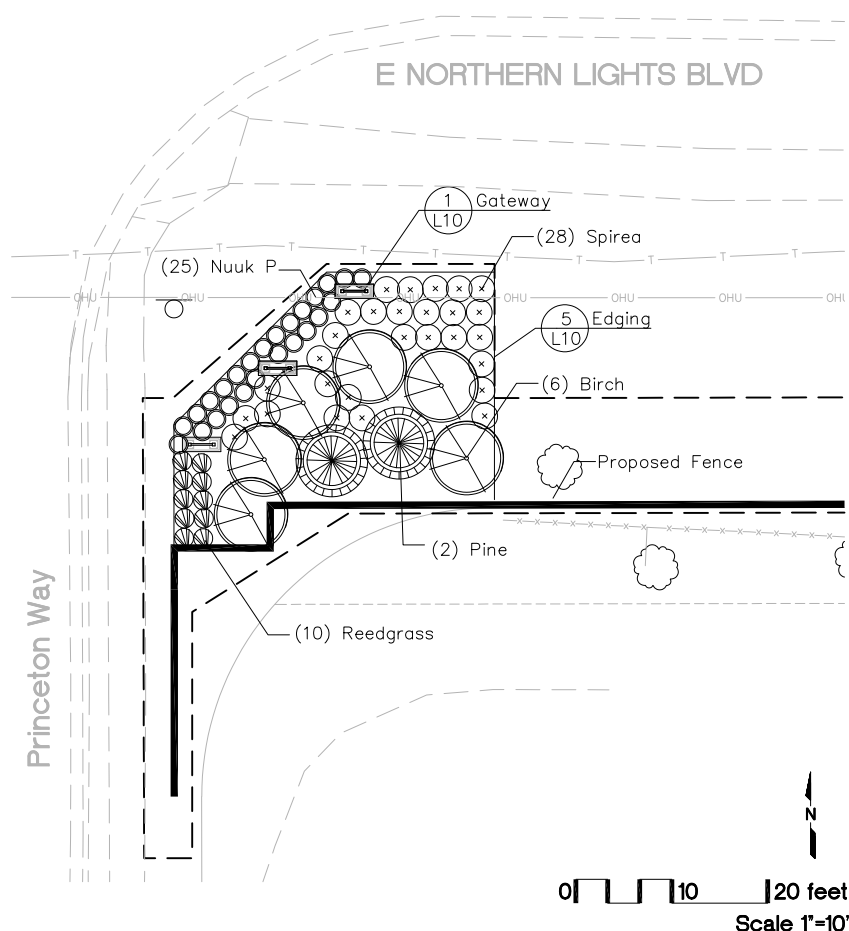
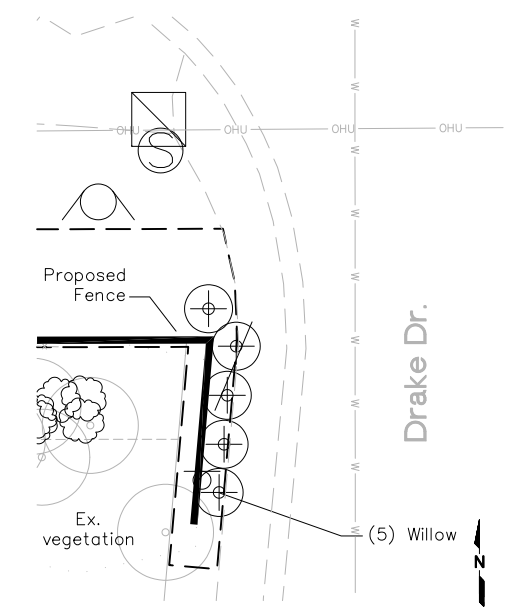
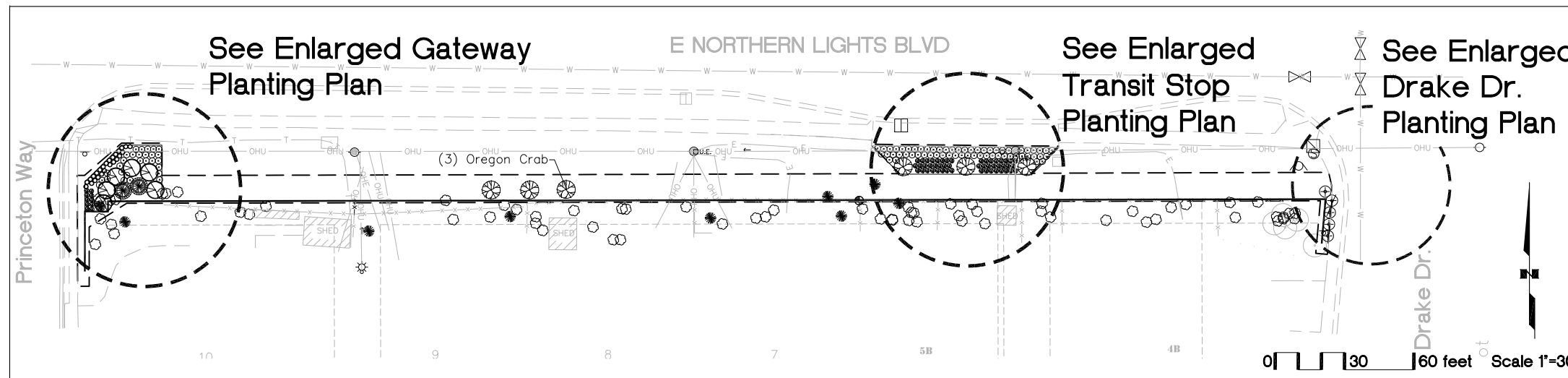
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 PROJ NO. 22-30    NLB SOUND BARRIER FENCE    SCHEDULE A

**LANDSCAPE PLAN**  
 SEGMENT 1

SCALE	HOR. VER.	NTS N/A	GRID DATE	MAY-2026	STATUS	100%	SHEET	9 of 12
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Enlarged East Gateway Planting Plan

Edging and Gateway Layout Plan

Transit Stop Landscape Plan

Segment 2 - Landscape Plan

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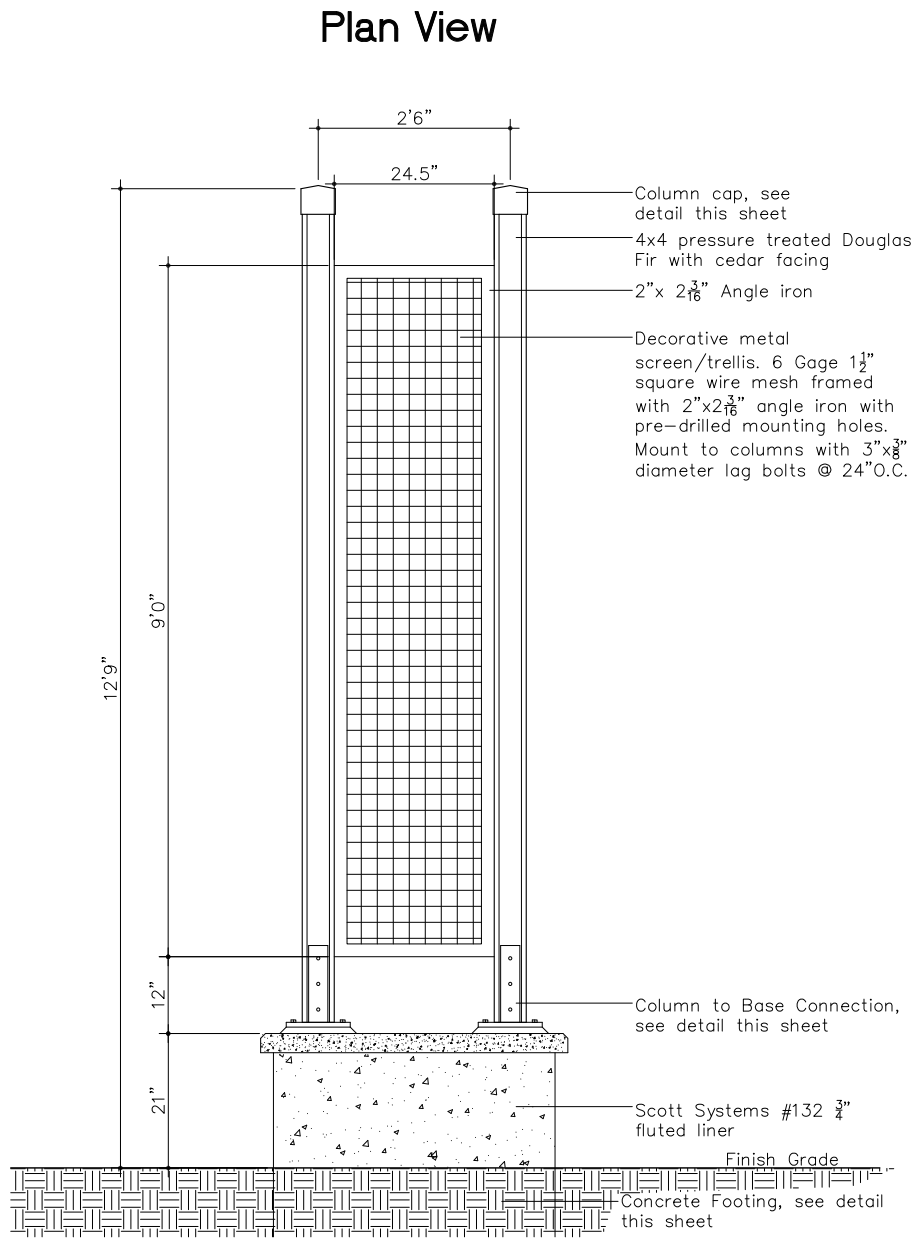
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WATER/SANITARY SEWER	---	---	DESIGN MOA BOOK No. xxxx, xxxx,	GAAB xx	See MOA Benchmark Book, Page x-x	xxx.xx	
GAS	---	---	xxxx, xxxx, xxxx & xxxx	GAAB xx	See MOA Benchmark Book, Page x-x	xxx.xx	
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ELECTRIC	---	---					
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MUNICIPAL/STATE	---	---					
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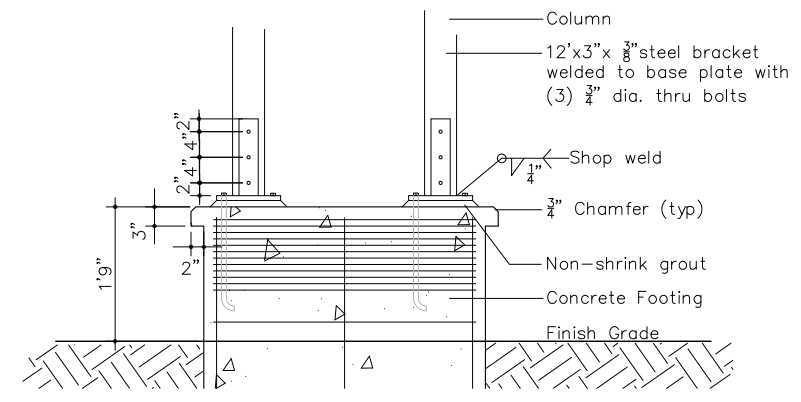
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M. ELISE HUSONG  
LAW 10435  
Date: 5/06/26  
REGISTERED PROFESSIONAL LANDSCAPE ARCHITECT  
AECL 1007



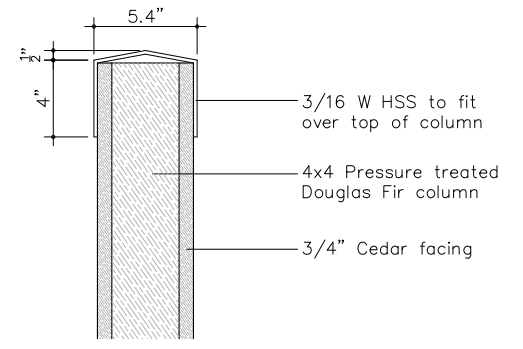
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PROJ NO. 22-30	NLB SOUND BARRIER FENCE	SCHEDULE A	
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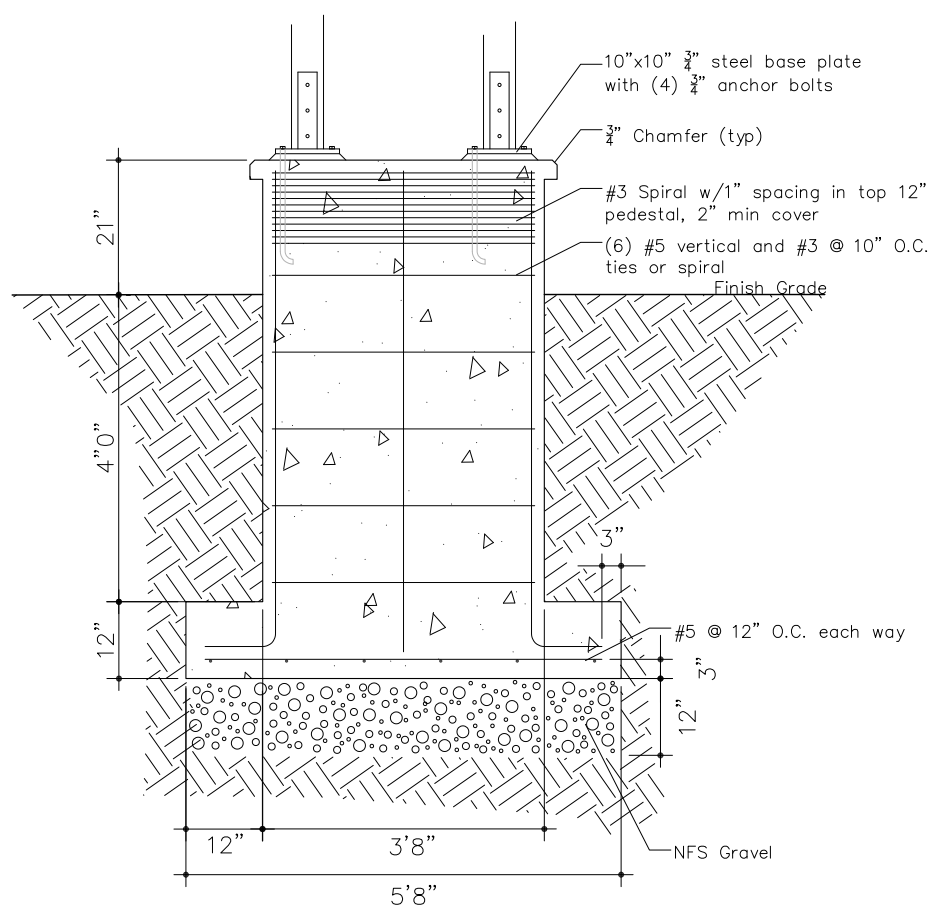
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**10** Gateway Structure/Trellis



**2**  
**10** Column to Base Connection

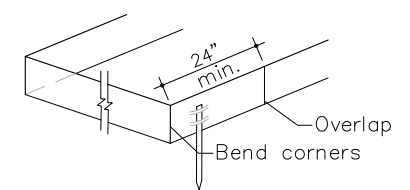
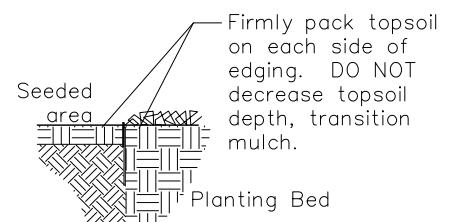


**3**  
**10** Column Cap Connection



**4**  
**10** Concrete Footing

**Edging Notes**  
Steel Edging – Black, 1/4"x5"x16' by Sure-loc or approved equal. Install per manufacturer; min. length for each segment equals 8', wrap corners bending edging at each corner with min. 2' segments beyond each bend. Use anti-frost heave staking system (requires additional stakes).



Secure in place, tamp adjacent soils for even exposure. Edging shall have continuous, smooth lines, max. 1/2" above adjacent finish grade.

**5**  
**10** Edging Detail

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DATE: \_\_\_\_\_

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TOPOGRAPHY							
PROFILE							
STORM SEWER							
WATER/SANITARY SEWER							
GAS							
TELEPHONE							
ELECTRIC							
DESIGN							
QUANTITIES							
PRELIMINARY/FINAL							
MUNICIPAL/STATE							
PLAN CHECK							
CONSTRUCTION RECORD							
VERTICAL DATUM							
REVISIONS							

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M. ELISE HUGGINS  
L#110435  
Date: 5/06/26  
PROFESSIONAL LANDSCAPE ARCHITECT  
**AECL 1007**

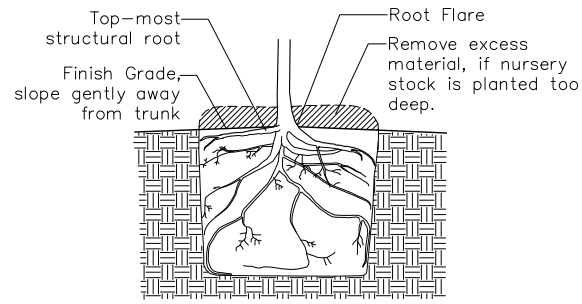


**PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT**

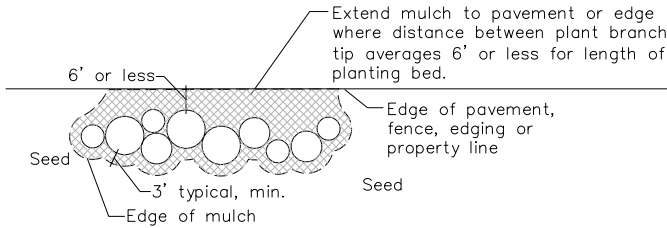
PROJ NO. 22-30    NLB SOUND BARRIER FENCE    SCHEDULE ALL

**LANDSCAPE DETAILS**  
SEGMENTS 1 & 2

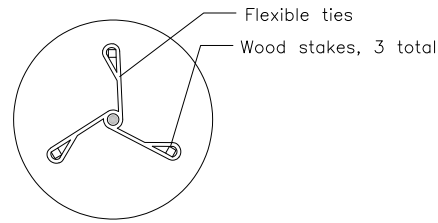
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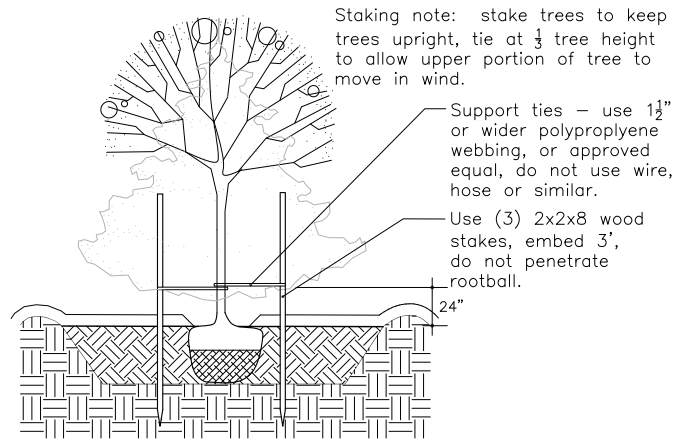
**Planting Depth Detail**



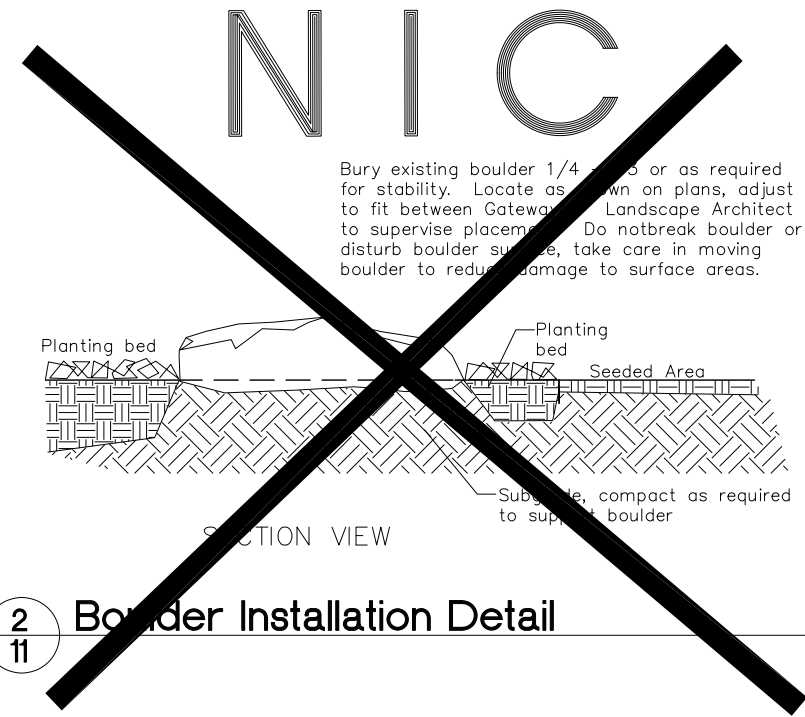
**Mulch Extent Detail**



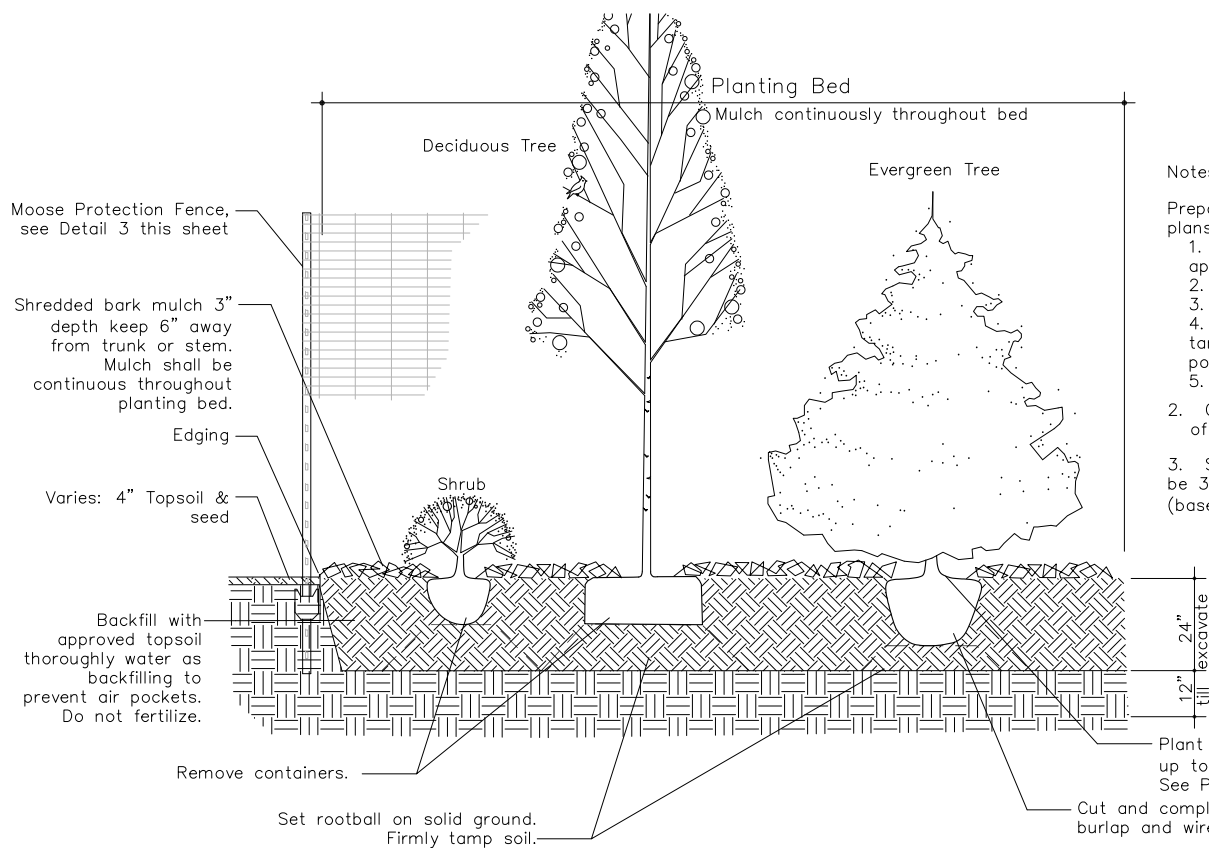
PLAN VIEW



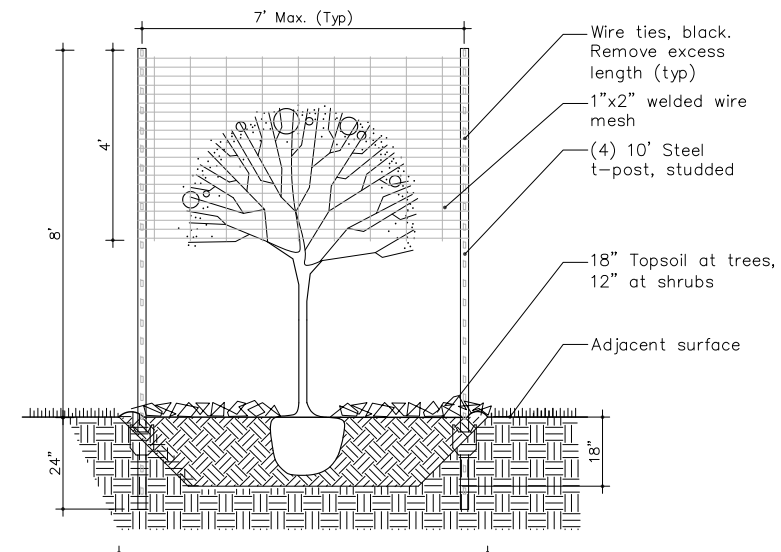
**Tree Staking Detail**



**2  
11** Boulder Installation Detail



- Notes:
- Prepare planting bed as shown on plans:
1. Stake plant locations for approval
  2. Excavate and remove soil
  3. Till subgrade
  4. Backfill with topsoil and tamp to remove all air pockets
  5. Plant trees and shrubs
2. Contractor to verify location of utilities prior to excavation
3. Single tree planting beds shall be 3x the size of the rootball (based on ANSI standards).



- Notes:
1. Moose protection fencing required around all new trees.
  2. Individual trees require 4 posts minimum per tree.
  3. At planting beds place t-posts around perimeter of beds outside of edging, see drawings for post locations.
  4. Mesh shall be smooth and vertical without warping; mesh shall not touch branches.

**1  
11** Planting Bed and Planting Details

**3  
11** Single Tree Planting/Moose Protection Fence Detail

File:P:\East Northern Lights\1-Rabid-2026\1-E No Lights 100.3.dwg

RECORD DRAWING	
THIS WILL SERVE TO CERTIFY THAT THESE RECORD DRAWINGS ARE A TRUE AND ACCURATE REPRESENTATION OF THE PROJECT AS CONSTRUCTED.	
CONTRACTOR: _____	
BY: _____	
TITLE: _____	
DATE: _____	

DATA	DRAWN BY	CHECKED BY	GRSCL1	GRSCL2	GRSCL3	GRSCL4	GRSCL5
BASE			GRAPHIC				SCALE
TOPOGRAPHY							
PROFILE							
STORM SEWER			FIELD BOOKS	BM NO.	LOCATION	ELEV.	REV
WATER/SANITARY SEWER			DESIGN MOA BOOK No. xxx, xxx, xxx, xxx	GAAB xx	See MOA Benchmark Book, Page x-x	xxx.xx	DATE
GAS			xxxx, xxxx, xxxx & xxx	GAAB xx	See MOA Benchmark Book, Page x-x	xxx.xx	DESCRIPTION
TELEPHONE			STAKING				BY
ELECTRIC							
DESIGN			ASBUILT				
QUANTITIES			CONTRACTOR				
PRELIMINARY/FINAL			INSPECTOR				
MUNICIPAL/STATE							
PLAN CHECK	CONSTRUCTION RECORD	VERTICAL DATUM	REVISIONS	CONSULTANT	SEAL		

**earthscape**  
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STATE OF ALASKA  
49TH  
M. ELISE HUGGINS  
LA#10435  
Date: 5/09/26  
PROFESSIONAL LANDSCAPE ARCHITECT  
**AECL 1007**



PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT			
PROJ NO. 22-30	NLB SOUND BARRIER FENCE	SCHEDULE ALL	
LANDSCAPE DETAILS SEGMENTS 1 & 2			
SCALE	HOR. NTS	GRID	
VER. N/A	DATE MAY-2026	STATUS 100%	SHEET 12 of 12