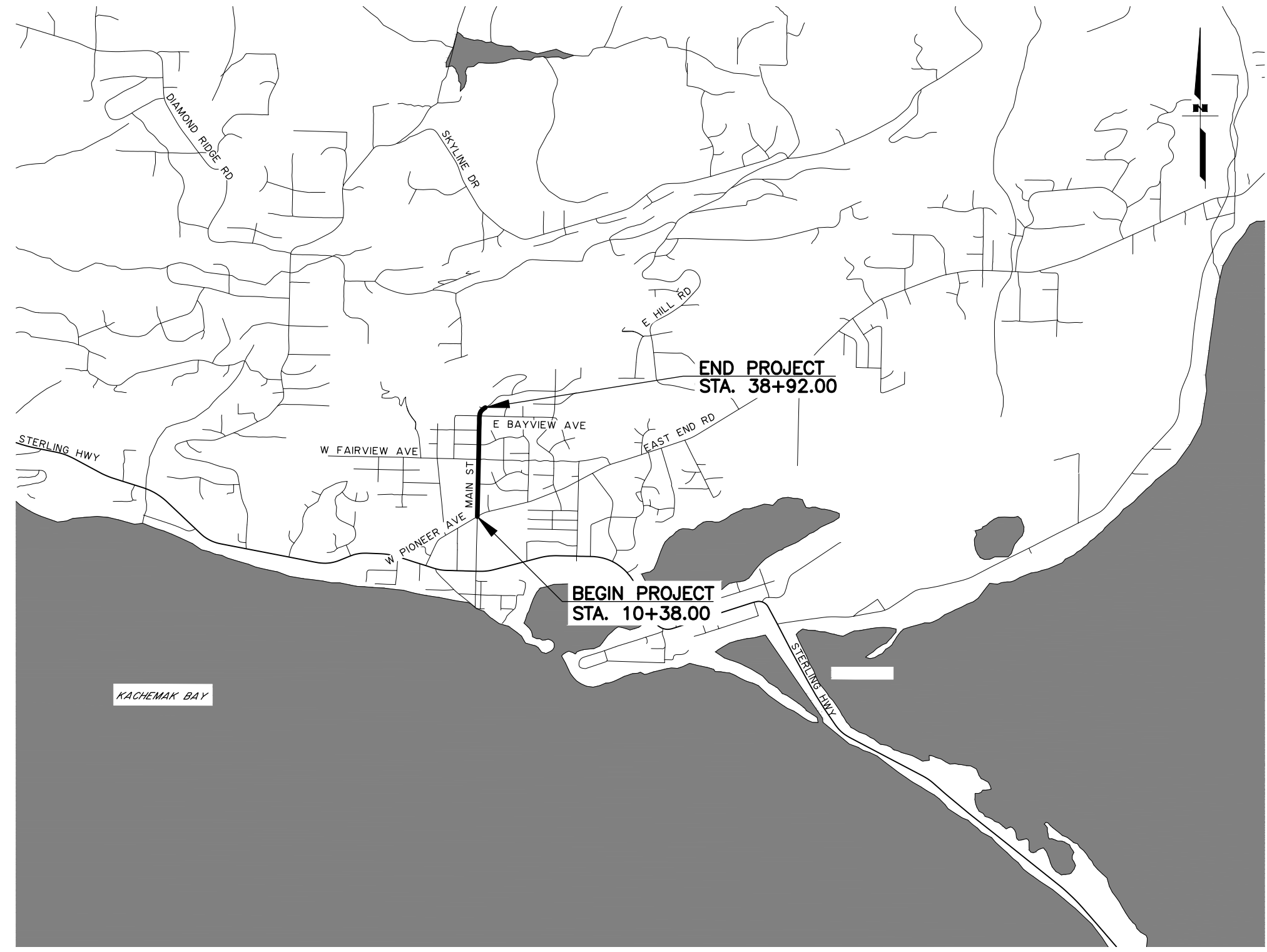


NO.	DATE	REVISION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			160-0782	2022	A1	A4

CITY OF HOMER PUBLIC WORKS DEPARTMENT

MAIN STREET SIDEWALK IMPROVEMENT PROJECT NO. 160-0782

FILE: H:\JOBS\17-014-HOMER-ROADS-DRAINAGE-AND-TRAILS-TERM-(HOMER)\TASK-2-MAIN-STREET-(PHASE-1)-SIDEWALK-DESIGN\CAD-DRAWINGS\17014_02_A01.DWG
 DATE/TIME 4/17/2022 12:29 PM [LAYOUT] A1 [DESIGNED] [CHECKED] [DRAFTED]



HOMER CITY COUNCIL

MAYOR
KEN CASTNER

COUNCIL MEMBERS
 DONNA ADERHOLD
 RACHEL LORD
 JASON DAVIS
 SHELLY ERICKSON
 CAROLINE VENUTI
 STORM HANSEN-CAVASOS
 MAYOR KEN CASTNER
 CITY MANAGER ROB DUMOUCHEL

FUNDED THROUGH HARP
(HOMER ACCELERATED ROAD PROGRAM)

APPROVED BY:

 JANETTE KEISER, PE
 DIRECTOR OF PUBLIC WORKS

DESIGNED BY: _____ CHECKED BY: _____ DRAFTED BY: _____
 SCALE: NTS
 TIME: 11:17 AM
 DATE: 4/1/2022
 SIDEWALK (PHASE 1)
 MAIN STREET (TASK 2)
 HOMER TRAILS AND DRAINAGE (DRAWINGS 17014_02_A02.DWG)

NO.	DATE	REVISION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			160-0782	2022	A2	A4

GENERAL NOTES:

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2020 ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, THE ALASKA STANDARD PLANS, AND THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT, EXCEPT WHERE SPECIFIED IN THESE PLANS.
- THE CONTRACTOR SHALL HAVE SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS, SUBCONTRACTORS, SUPPLIERS, PROPERTY, AND TRAFFIC SAFETY. THESE REQUIREMENTS SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
- THE CONTRACTOR HAS SOLE RESPONSIBILITY FOR COMPLIANCE WITH THE APDES CONSTRUCTION GENERAL PERMIT AND OTHER APPLICABLE FEDERAL, STATE, AND LOCAL REQUIREMENTS, AND FOR SECURING ALL NECESSARY CLEARANCES, RIGHTS, AND PERMITS.
- THE CONTRACTOR SHALL ACCEPT A DELEGATION OF AUTHORITY FROM THE CITY TO ACT AS THE CITY'S DULY AUTHORIZED REPRESENTATIVE FOR THE PURPOSE OF OVERSEEING COMPLIANCE WITH THE APDES CONSTRUCTION GENERAL PERMIT AT THE PROJECT SITE AND INCLUDE THE CITY'S DELEGATION OF AUTHORITY IN THE SWPPP. THE CITY WILL PROVIDE THE CONTRACTOR WITH A COPY OF THE CITY'S eNOI AND ADEC'S WRITTEN ACKNOWLEDGEMENT FOR INCLUSION IN THE SWPPP, AND eNOT UPON COMPLETION OF FINAL STABILIZATION.
- CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF STATE AND FEDERAL OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATIONS (OSHA), AND ALL OTHER FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS PERTAINING TO THIS PROJECT. ANY WORK PERFORMED BY THE CONTRACTOR CONTRARY TO SUCH LAWS OR REGULATIONS SHALL BE AT THE CONTRACTOR'S SOLE RISK AND EXPENSE.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND LAYOUT PRIOR TO PROCEEDING WITH THE WORK. ANY DISCREPANCY IN THE PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO PROCEEDING WITH THE WORK.
- CONTRACTOR SHALL SAWCUT EXISTING PAVEMENT (ROADS, PARKING AREAS, DRIVEWAYS, ETC.) AT THE PROPOSED IMPROVEMENTS, AND MORE IF NECESSARY, DURING THE INITIAL EXCAVATION OPERATIONS. IF EXISTING PAVEMENT HAS BEEN LIFTED, IF EDGE DOES NOT OCCUR IN UNDISTURBED MATERIAL, OR IF EDGE IS LOCATED WITHIN A TRAVEL LANE, FURTHER REMOVAL MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, TO PROVIDE A PROPER TRANSITION BETWEEN NEW AND EXISTING PAVEMENT. SAW CUTTING OF EXISTING PAVEMENT IS INCIDENTAL TO THE BID ITEM "REMOVAL OF PAVEMENT".
- ADJUST ALL PAVEMENT PENETRATIONS TO FINAL GRADE PRIOR TO TOP LIFT OF PAVING.
- IF ANY PAVEMENT PENETRATION REQUIRES GRADE ADJUSTMENT AFTER FINAL LIFT OF PAVING, AS DETERMINED BY THE ENGINEER, SAW CUT A NEAT LINE ALONG THE PAVEMENT TO BE REMOVED. REPLACE THE REMOVED ASPHALT WITH NEW ASPHALT AND THOROUGHLY COMPACT. SEAL JOINTS AT LEAST 12 IN LONG USING ASPHALT SYSTEMS GSB-99 OR APPROVED EQUAL, WHILE THE HOT MIX IS CLEAN, FREE OF MOISTURE, AND PRIOR TO STRIPING. ENGINEER MUST APPROVE ANY ALTERNATE METHODS USED TO ADJUST PAVEMENT PENETRATION.
- THERE SHALL BE NO PAYMENT FOR ADDITIONAL WORK CAUSED BY FAILURE TO ADJUST PAVEMENT PENETRATIONS TO FINAL GRADE.
- INSTALL HIGH CAPACITY INLET BOX FRAME AND GRATES AT ALL PROPOSED INLET BOXES. FRAME AND GRATES ARE SUBSIDIARY TO 604.0005.000A INLET, TYPE A. SEE STANDARD PLAN D-25.00 FOR HIGH CAPACITY INLET BOX FRAME AND GRATE INSTALLATION DETAILS.
- NO MORE THAN 1/4-IN LATERAL OFFSET IS PERMITTED BETWEEN GRADE ADJUSTMENT RINGS. TOTAL CUMULATIVE OFFSET BETWEEN GRADE ADJUSTMENT RINGS SHALL NOT EXCEED 1/2-IN IN ROADWAYS. SET THE MANHOLE FRAME AND COVER 1/4-IN OR NO MORE THAN 1/2-IN BELOW THE FINISHED PAVEMENT SURFACE.
- CONTRACTOR SHALL SAWCUT CURB & GUTTER AND SIDEWALK AT THE NEAREST JOINT AT OR BEYOND REMOVAL LIMITS OR AS DIRECTED BY THE ENGINEER. SAWCUTTING IS INCIDENTAL TO THE RESPECTIVE BID ITEM.
- APPLY JOINT ADHESIVE TO THE VERTICAL FACE OF EXISTING ASPHALT AS SPECIFIED IN SUBSECTION 401-3.17 JOINTS. APPLY TACK COAT TO THE VERTICAL FACE OF CURB AND GUTTER AND STRUCTURES WITHIN THE PROPOSED PAVING LIMITS WITH STE-1 ASPHALT FOR TACK COAT.
- CONTRACTOR SHALL REMOVE ORGANIC MATERIAL FROM THE SUBGRADE TO A DEPTH TO BE DETERMINED BY THE ENGINEER. CONTRACTOR SHALL NOT PLACE OR SHALL NOT OTHERWISE UTILIZE ORGANIC MATERIAL OR OTHER DELETERIOUS MATERIAL FOR BACKFILL, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- WORK AND MATERIALS REQUIRED FOR REMOVING LITTER OR DEBRIS THAT EXISTS WITHIN THE PROJECT LIMITS IS INCIDENTAL TO THE PROJECT AND NO SEPARATE PAYMENT SHALL BE MADE.
- CONTRACTOR SHALL RECORD SURVEY NOTES FOR SUBMITTAL, INCLUDING HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES ENCOUNTERED IN THE FIELD. CONTRACTOR SHALL RECORD ALL DEVIATIONS FROM THE PLANS AND SUBMIT DAILY SURVEY NOTES.
- CONTRACTOR SHALL PROVIDE REDLINED DRAWINGS SHOWING ANY DEVIATION FROM THE PLANS AT THE END OF THE PROJECT.
- CONSTRUCTION OPERATIONS REQUIRED FOR THIS PROJECT SHALL REMAIN WITHIN EXISTING CITY OF HOMER RIGHTS-OF-WAY AND EASEMENTS, UNLESS OTHERWISE APPROVED IN WRITING BY THE ENGINEER AND THE AFFECTED PROPERTY OWNER.
- LOCATIONS DEPICTED FOR THE UTILITIES AND OTHER EXISTING FEATURES ARE APPROXIMATE. UTILITIES HAVE BEEN LOCATED FROM RECORD DRAWINGS AND SURVEY OF UTILITY COMPANY LOCATES. CONTRACTOR SHALL LOCATE AND VERIFY ALL UTILITIES PRIOR TO CONSTRUCTION.
- OVERHEAD ELECTRICAL AND TELECOMMUNICATION LINES OCCUR WITHIN THE PROJECT AREA. CONTRACTOR SHALL COORDINATE WORK ACCORDINGLY. ALL WORK IN CLOSE PROXIMITY TO EXISTING UTILITY LINES SHALL COMPLY WITH APPLICABLE FEDERAL, STATE, AND LOCAL STATUTES, CODES AND GUIDELINES, AND THE ELECTRICAL FACILITY CLEARANCE REQUIREMENTS OF THE GOVERNING UTILITY. CONTRACTOR SHALL HAND DIG WITHIN TWO FEET OF BURIED ELECTRICAL CABLE.
- CONTRACTOR SHALL RESTORE DISTURBED PROPERTY TO PRE-CONSTRUCTION CONDITION(S), UNLESS OTHERWISE DIRECTED BY THE ENGINEER. RESTORING DISTURBED PROPERTY IS INCIDENTAL TO THE CONTRACT AND NO SEPARATE PAYMENT SHALL BE MADE.
- CONTRACTOR SHALL MAINTAIN STOP SIGNS AND STREET SIGNS OPERATIONAL IN THE PROJECT AREA DURING CONSTRUCTION.
- CONTRACTOR SHALL TOPSOIL AND SEED ALL AREAS DISTURBED AND NOT OTHERWISE IMPROVED, AS DIRECTED BY THE ENGINEER.
- CONTRACTOR SHALL HAND DIG TO EXPOSE ANY ROOTS WITHIN THE TREE PROTECTION ZONE. IF DAMAGE OR CHANGES IN TREE APPEARANCE OCCURS DURING THE CONSTRUCTION PROCESS IMMEDIATELY NOTIFY THE ENGINEER.
- ACTUAL CLEARING LIMITS SHALL BE DETERMINED BY THE ENGINEER.
- CONTRACTOR SHALL MAINTAIN AT LEAST ONE LANE OF TRAFFIC AT ALL TIMES. WHEN TRAFFIC IS RESTRICTED TO ONE LANE, DELAYS SHALL NOT EXCEED 2 MINUTES OR 10 CARS.
- CSP SHALL BE COATED WITH POLYMER. ANY DAMAGE TO THE POLYMER COATING DURING INSTALLATION SHALL BE REPAIRED PRIOR TO BACKFILLING PIPE.
- CONTRACTOR SHALL DISPOSE OF UNCLASSIFIED EXCAVATION AT A DISPOSAL SITE APPROVED BY THE ENGINEER.
- 627.0011.0000 ADJUST WATER MANHOLE SHALL BE CONSTRUCTED AND PAID FOR PER 604.0004.0000 ADJUST EXISTING MANHOLE SPECIFICATIONS.

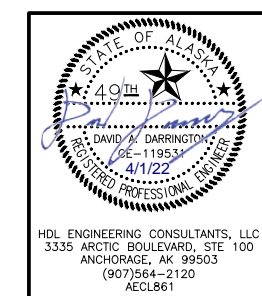
INDEX	
SHEET NO.	DESCRIPTION
A1	TITLE SHEET
A2	NOTES AND INDEX
A3	LEGEND
A4	PROJECT LAYOUT
1-3	SURVEY CONTROL
B1	TYPICAL SECTIONS
C1	ESTIMATE OF QUANTITIES
C2	ESTIMATE OF QUANTITIES ADDITIVE ALTERNATE
D1-D4	SUMMARY TABLES
E1-E2	DETAILS
E3	APPROACH DETAILS
E4	PATHWAY DETAILS
F1-F6	PLAN AND PROFILE
H1	TRAFFIC LEGEND AND NOTES
H2	SIGN ATTACHMENT DETAIL
H3	LIGHT SIGN FRAMING AND ATTACHMENT DETAIL
H4	SIGN SUMMARY AND SALVAGE

THE FOLLOWING ALASKA STANDARD PLANS APPLY TO THIS PROJECT:

C-04.12,
 D-06.10, D-25.00, D-26.04,
 I-20.20,
 S-00.12, S-01.02, S-05.02, S-20.11, S-30.05

ABBREVIATIONS

ADEC	ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION
APDES	ALASKA POLLUTANT DISCHARGE ELIMINATION SYSTEM
CS	CONTINGENT SUM
CSP	CORRUGATED STEEL PIPE
CY	CUBIC YARDS
DIW	DUCTILE IRON WATERLINE
eNOI	ELECTRONIC NOTICE OF INTENT
eNOT	ELECTRONIC NOTICE OF TERMINATION
LF	LINEAR FEET
LS	LUMP SUM
SF	SQUARE FEET
SWPPP	STORM WATER POLLUTION PREVENTION PLAN
SY	SQUARE YARD



CITY OF HOMER
 PUBLIC WORKS DEPARTMENT
**MAIN STREET
 SIDEWALK IMPROVEMENTS**

NOTES AND INDEX

HDL ENGINEERING CONSULTANTS, LLC
 3335 ARCTIC BOULEVARD, STE 100
 ANCHORAGE, AK 99503
 (907)564-2120
 AECL861

H:\JOBS\17-014 HOMER ROADS, DRAINAGE, AND TRAILS TERM (HOMER)\TASK 2 - MAIN STREET (PHASE I) SIDEWALK DESIGN\CAD\DRAWINGS\17014_02_A03.DWG
 DESIGNED BY: NTS
 CHECKED BY: NTS
 DRAFTED BY: NTS
 SCALE: NTS
 TIME: 4/1/2022 11:20 AM
 DATE: 4/1/2022 11:20 AM

NO.	DATE	REVISION

PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
160-0782	2022	A3	A4

ROADWAY

	EXISTING	PROPOSED
EDGE OF PAVEMENT		
LIMIT OF CUT SLOPE & FILL SLOPE		
GRAVEL EDGE		
SIDEWALK AND PATH/TRAIL		
CONCRETE CURB & GUTTER		
CONCRETE CURB CUT		
PARALLEL CURB RAMP PERPENDICULAR CURB RAMP		
UNIDIRECTIONAL CURB RAMP & MID-BLOCK CURB RAMP		
DETECTABLE WARNING TILE		
BRIDGE		
TUNNEL		
GUARDRAIL		
END & PARALLEL END SECTIONS		
ROADWAY OBLITERATION		
FENCE		
STONE FENCE		
NOISE BARRIER		
RETAINING WALL		
HEADWALL & WINGWALL		
BOTTOM OF DITCH		
SPECIAL DITCH		
FLAT BOTTOM DITCH		
BERM		
RIPRAP		
BOULDER OR BOULDERS		
PRIVATE SIGN, MAILBOX		
POST, BOLLARD		

UTILITIES

	EXISTING	PROPOSED
STORM DRAIN		
STORM DRAIN MANHOLE, CLEANOUT		
CURB INLET CATCH BASIN FIELD INLET CATCH BASIN		
PIPE CULVERT WITH END SECTION		
SANITARY SEWER		
SANITARY SEWER MANHOLE, CLEANOUT		
SEPTIC VENT, SEWER SERVICE CONNECTION		
WATER		
FIRE HYDRANT, VALVE OR RISER		
WELL, WATER SERVICE CONNECTION		
NATURAL GAS		
OIL OR GASOLINE PIPELINE		
TANKS (ABOVE GROUND, UNDERGROUND)		
ELECTRIC		
UTILITY POLE, POLE WITH LUMINAIRE		
GUY POLE, GUY WIRE ANCHOR		
TRANSMISSION TOWER (WOOD, STEEL)		
ELECTRIC PEDESTAL, TRANSFORMER		
ELECTRIC MANHOLE, METER		
ELECTRIC OUTLET, LANDSCAPE LIGHT		
TELEPHONE		
TELEPHONE MANHOLE, PEDESTAL		
FIBER OPTIC		
FIBER OPTIC MANHOLE		
CABLE TV		
CABLE TV PEDESTAL, SATELLITE DISH		
UNDERGROUND DUCT, UTILIDOR (ELECTRIC, TELEPHONE, FIBER OPTIC)		
VENT		

TRAFFIC

	EXISTING	PROPOSED
LOAD CENTER		
STATE TRAFFIC, MOA TRAFFIC, & BEACON CONTROLLER ARROW INDICATES DOOR LOCATION		
TYPE 1A, II, III, IV JUNCTION BOX		
FIBER OPTIC VAULT		
ELECTROLIER		
HIGHTOWER		
SIGNAL POLE WITH MASTARM		
PEDESTRIAN PUSH BUTTON & SIGNAL		
VEHICULAR SIGNAL		
VEHICULAR SIGNAL LEFT & RIGHT		
OPTICAL, CAMERA, RADAR, AND GPS DETECTOR		
LOOP DETECTOR		
COMMUNICATION ANTENNA		
MASTARM BEACON		
RURAL & SCHOOL ZONE BEACON		
LOOP DETECTOR CONDUIT		
SIGNAL CONDUIT		
LIGHTING CONDUIT		
SIGNAL & LIGHTING CONDUIT		
CONDUIT BORING		
CONDUIT SIZE IN INCHES		
INTERCONNECT		
SIGN POST		

PAVEMENT MARKINGS

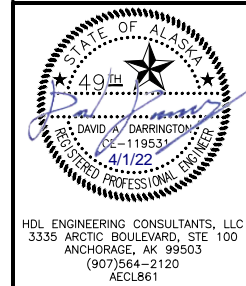
	PROPOSED
TRAFFIC PROJECT CENTERLINE	
8" & 4" WHITE SOLID STRIPE	
4" WHITE SKIP STRIPE 10' STRIPES AND 30' SPACES	
8" WHITE LANE GUIDE SKIP LANE CONTINUATION OR TURN SKIP 1' STRIPES AND 3' SPACES	
8" & 4" YELLOW SOLID STRIPE	
4" YELLOW SKIP STRIPE 10' STRIPES AND 30' SPACES	
STRIPING CHANGE STATION INTERVAL	
2' CROSSWALK OR STOPBAR	
LADDER CROSSWALK LAYOUT 2' WIDE RUNGS WITH 2' SPACES ALIGNED TO AVOID TIRE PATHS	
TYPICAL PAINTED MEDIAN	

RIGHT-OF-WAY

	RECOVERED	SET THIS PROJECT
FEDERAL GOV'T SURVEY MONUMENT		
GOV'T CONTROL STATION		
PRIMARY MONUMENT (BRASS/AL CAP)		
MISC SECONDARY CORNER		
PRIMARY CENTERLINE MONUMENT		
SECONDARY CENTERLINE MONUMENT		
RANDOM CONTROL MONUMENT		
PRIMARY GPS CONTROL POINT		
HORIZONTAL CONTROL POINT		
SECONDARY CONTROL POINT		
VERTICAL BENCHMARK		
TEMPORARY BENCHMARK		
TOWNSHIP AND RANGE LINES		
SECTION LINE		
1/4 SECTION LINE		
1/16 SECTION LINE		
CORPORATE or CITY LIMITS		
EXISTING RIGHT-OF-WAY		
RIGHT-OF-WAY OR EASEMENT REQUIRED		
PROJECT RIGHT-OF-WAY LINE		
EXISTING RIGHT-OF-WAY EASEMENT		
EXISTING PROPERTY LINE		
CONTROLLED ACCESS LINE		
EXISTING UTILITY EASEMENT		
PROPOSED UTILITY EASEMENT		
EXISTING CENTERLINE		
RAILROAD CENTERLINE		
TEMPORARY CONSTRUCTION EASEMENT		
TEMPORARY CONSTRUCTION PERMIT		
PUBLIC USE EASEMENT		

TOPOGRAPHY

	EXISTING	PROPOSED
LAKE OR POND, WETLANDS		
TREE (CONIFER/DECIDUOUS) TREELINE (EDGE OF VEGETATION)		
PLANTER		
BUILDING OR FOUNDATION		
CONTOUR, MAJOR OR MINOR		
DRAINAGE FLOW		
CREEK (CENTERLINE)		
RIVER (EDGE OF WATER)		

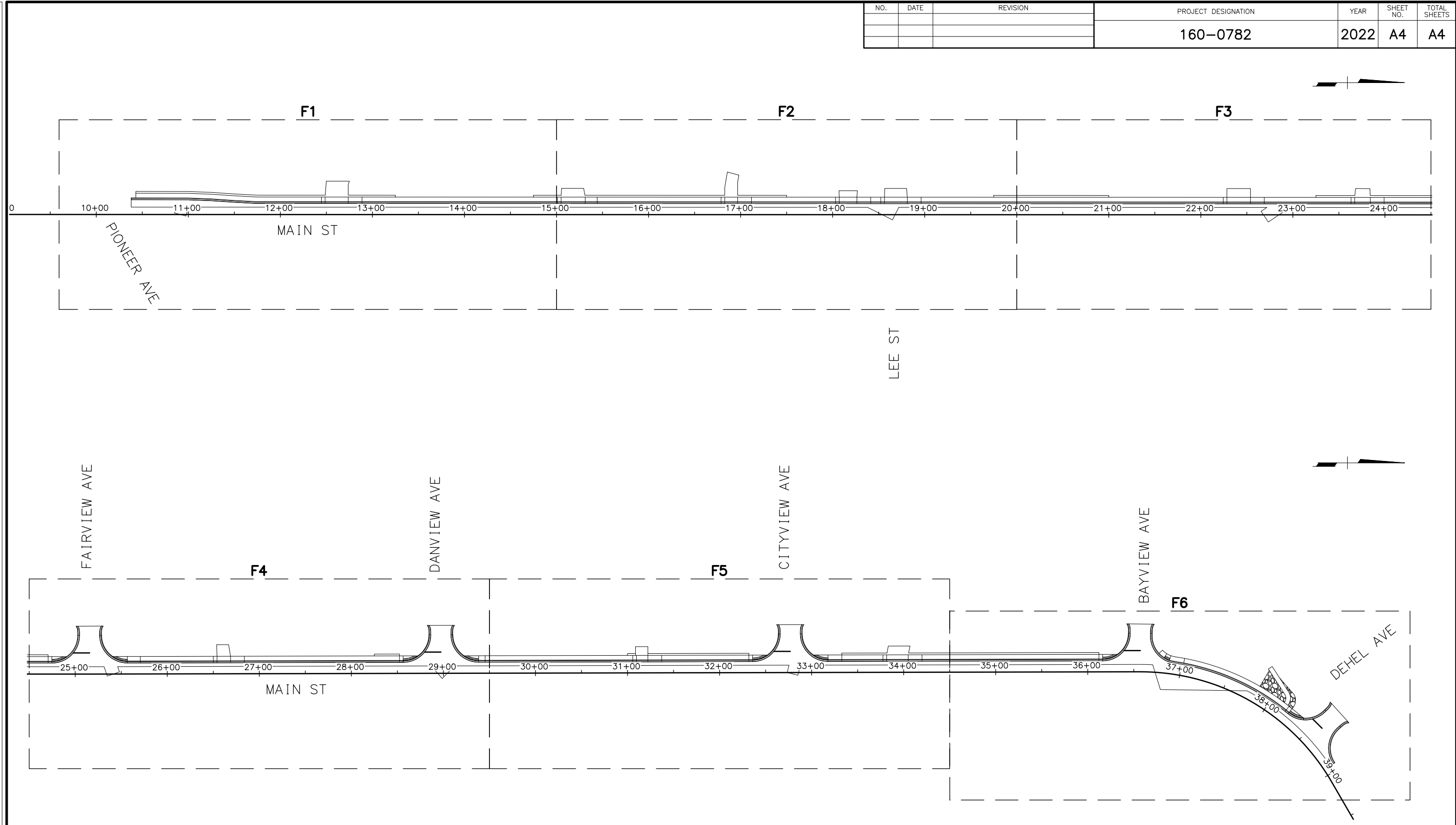


CITY OF HOMER
 PUBLIC WORKS DEPARTMENT
**MAIN STREET
 SIDEWALK IMPROVEMENTS**
 LEGEND

NO.	DATE	REVISION

PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
160-0782	2022	A4	A4

H:\JOBS\17-014_HOMER ROADS, DRAINAGE, AND TRAILS TERM (HOMER)\TASK 2 - MAIN STREET (PHASE I) SIDEWALK DESIGN\CAD\DRAWINGS\17014_02_A04.DWG
 DATE: 4/1/2022 1:16 PM
 SCALE: 1" = 50'
 DESIGNED BY: _____
 CHECKED BY: _____
 DRAFTED BY: _____



HDL ENGINEERING CONSULTANTS, LLC
 3335 ARCTIC BOULEVARD, STE 100
 ANCHORAGE, AK 99503
 (907)564-2120
 AECL861

CITY OF HOMER
 PUBLIC WORKS DEPARTMENT
**MAIN STREET
 SIDEWALK IMPROVEMENTS**
 PROJECT LAYOUT

CL STREET INTERSECTION
N4534494
E4499916
EL=408006

LEE DR.

44

MULTI-STORY GARAGE

7H
HM69-74

PORTION LOT

MAIN ST.

60' ROW

20' ROW

LOT 55A
HM79-26

THEATER
FIN. FL.=1603

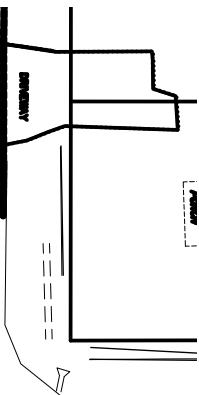
STOP STRIPE

E. PIONEER AVE.
(60' R/W)

CL STREET INTX. MONUMENT
REMOVED DURING
2020 CONSTRUCTION

W. PIONEER AVE.
(60' R/W)

VIEWPORT SHOWING SOUTHERLY 700' TO LEE DR.



PAL-CAP IN P.W.T.
SEC. CORNER & ST.
N4534494
E4499916
EL=408006

W. FAIRVIEW AVE.

E. FAIRVIEW AVE.

6
CK 4

10' UTIL. ESM.T.

10' UTIL. ESM.T.

TORY
ENT BUILDING

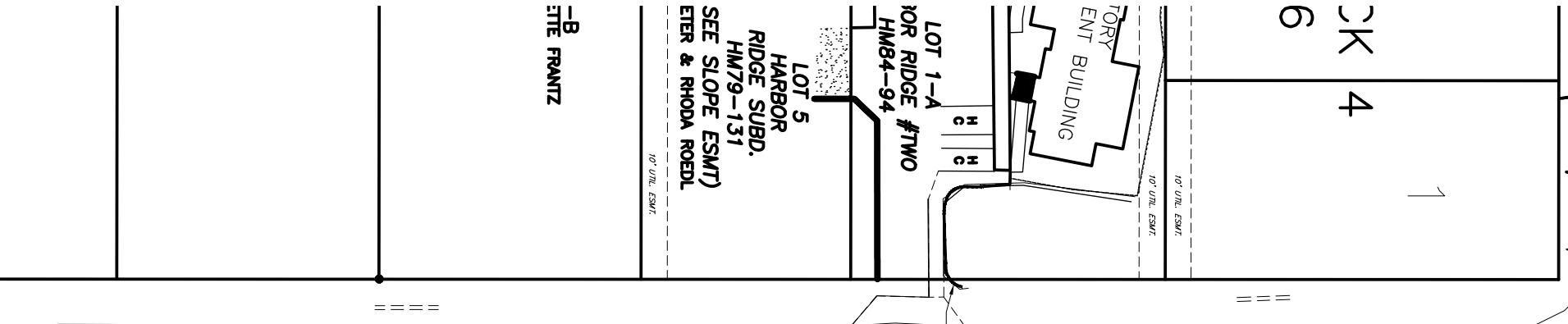
LOT 1-A
OR RIDGE #TWO
HM84-94

LOT 5
HARBOR
RIDGE SUBD.
HM79-131
SEE SLOPE ESM(T)
ETER & RHODA ROEDL

10' UTIL. ESM.T.

-B
ITE FRANTZ

MAIN STREET 60' ROW



PAL-CAP IN P.W.T.
SEC. CORNER & ST.
N4534494
E4499916
EL=408006

LEE DR.

NOTES:

1. THIS IS A TOPographic AND AS-BUILT SURVEY PERFORMED BY GARY NELSON, PLS IN SEPTEMBER 2020. THE INTENTION OF THE SURVEY IS TO PROVIDE A MAP OF EXISTING CONDITIONS OF MAIN STREET VESTIBLY OF CENTRALINE. THE INTENTION IS FOR THE MAP DATA TO BE USED FOR A SIDEWALK DESIGN FROM RIDGEER HORIZONTAL DATUM IS BASED ON THE HOMER CITY SURVEY BY KEN BRANCH U.S.#1801 DATED 1970 ON FILE AT HOMER PUBLIC VERTICAL DATUM IS NORTH AMERICAN VERTICAL DATUM OF 1988 (NAD83). BASED ON U.S.C&G.S. BENCH MARK U-55, GROUND-LEVEL DATUM IS 200 FEET VESTIBLY OF MAIN STREET. THE BUILDING ABOUT 200 FEET VESTIBLY OF MAIN STREET NEAR "DON JOSE'S RESTAURANT" NEAR THE NORTHEAST CORNER OF WATER AND SEWER LINES AND OLD AS-BUILT PLANS ON FILE AT HOMER PUBLIC VERTS. REQUESTED TO NOTIFY UTILITY COMPANIES OF A NEED FOR LOCATES TO DETERMINE UTILITY LOCATIONS. THE CITY OF HOMER, GAS, AND ENSTAR NATURAL GAS RESPONDED PROVIDED MAPS OF THEIR SYSTEM. ALASKA COMMUNICATIONS SYSTEMS (ACS) DID NOT RESPOND IN ANY WAY TO MY KNOWLEDGE. PETERSTALS (MAINTAINED BY ACS) AND SD BELIEVE ACS HAS COMMUNICATION LINES IN THIS AREA. IT IS RECOMMENDED ACS LOCATIONS. NOTED FOR INFORMATION OF THEIR UTILITY LOCATIONS.
2. NO TITLE SEARCH OR ABSTRACT OF MATTERS AFFECTING TITLE THROUGHOUT THIS SURVEY. THERE IS NO POLY-LINES THAT DO NOT SHOW DR OTHER EASEMENTS AND UTILITIES ALONG THIS CORRIDOR.
3. ENGINEERING COMPANY WILL MODIFY THE MAP APPEARANCE AS NEEDED, THROUGH THE COURSE OF THEIR DESIGN PROCESS.

SURVEY PROVIDED BY
ABILITY SURVEY

7H SCALE 1" = 30'
HM69-7 SHEET 1 OF 3

VIEWPORT SHOWING LEE DR. TO FAIRVIEW AVE.



'83-106
NIT 2
VIEW SUBD.
A-2A
NIT 3
A-2B
A-2B

5/8" REBAR IN P.W.M.
C.L. STREET INTX.
E+49997.56
E.L.-32072

C.L. STREET
INTX.
REMOVEMENT
DURING
CONSTRUCTION

NOTES:

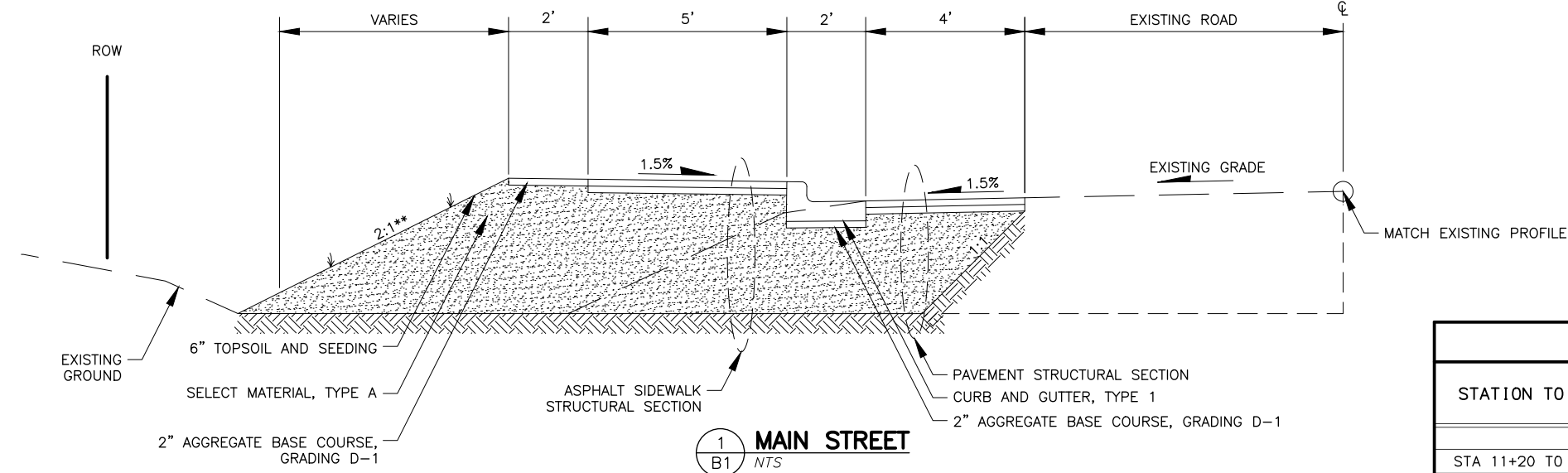
1. THIS IS A TOPographic AND AS-BUILT SURVEY PERFORMED BY GARY NELSON, PLS IN SEPTEMBER 2004. THE INTENTION OF THE SURVEY IS TO PROVIDE A MAP OF EXISTING CONDITIONS OF MAIN STREET AND MOUNTAIN VIEW DRIVE. THE INTENTION IS FOR THE MAP DATA TO BE USED FOR A SIDEWALK DESIGN FROM RIDGEWAY TO DON JONES RESTAURANT NEAR THE NORTHEAST CORNER OF THE BUILDING ABOUT 200 FEET WEST OF MAIN STREET. VERTICAL DATUM IS BASED ON THE HOKER CITY SURVEY BY KEN BRANCH U.S. 18301 DATED 1970 ON FILE AT HOKER PUBLIC WORKS OFFICE.
2. VERTICAL DATUM IS NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). BASED ON U.S. COAST AND GEODETIC SURVEY (CGS) DATUM OF 1983. THE BUILDING ABOUT 200 FEET WEST OF MAIN STREET IS THE DON JONES RESTAURANT NEAR THE NORTHEAST CORNER OF THE BUILDING ABOUT 200 FEET WEST OF MAIN STREET. VERTICAL DATUM IS BASED ON THE HOKER CITY SURVEY BY KEN BRANCH U.S. 18301 DATED 1970 ON FILE AT HOKER PUBLIC WORKS OFFICE.
3. THE CITY OF HOKER, GEL, AND EASTERN NATURAL GAS RESPONDED TO THE SURVEY AND PROVIDED UTILITY LOCATIONS. PROVIDED MAPS OF THEIR SYSTEM ALONG WITH COMMUNICATIONS SYSTEMS (GAS) DID NOT RESPOND IN ANY WAY TO MY KNOWLEDGE. PETROLEUM SYSTEMS (GAS) DID NOT RESPOND IN ANY WAY TO MY KNOWLEDGE. COMMUNICATION LINES IN THIS AREA IT IS RECOMMENDED ACS LOCATIONS. NO TITLE SEARCH OR ABSTRACT OF MATTERS AFFECTING TITLE WAS CONDUCTED. THIS SURVEY IS NOT TO BE USED TO DETERMINE OR OTHER EASEMENTS AND UTILITIES ALONG THIS CORRIDOR. LINE TYPE PATTERNS IN A 496 FORMAT. IT IS SUPPOSED THE ENGINEERING COMPANY WILL MODIFY THE MAP APPEARANCE AS NEEDED, THROUGH THE COURSE OF THEIR DESIGN PHASES.
4. AT HOKER PUBLIC WORKS. REQUESTED TO NOTIFY UTILITY COMPANIES OF A NEED FOR LOCATIONS TO DETERMINE UTILITY LOCATIONS. THE CITY OF HOKER, GEL, AND EASTERN NATURAL GAS RESPONDED TO THE SURVEY AND PROVIDED UTILITY LOCATIONS. PROVIDED MAPS OF THEIR SYSTEM ALONG WITH COMMUNICATIONS SYSTEMS (GAS) DID NOT RESPOND IN ANY WAY TO MY KNOWLEDGE. PETROLEUM SYSTEMS (GAS) DID NOT RESPOND IN ANY WAY TO MY KNOWLEDGE. COMMUNICATION LINES IN THIS AREA IT IS RECOMMENDED ACS LOCATIONS. NO TITLE SEARCH OR ABSTRACT OF MATTERS AFFECTING TITLE WAS CONDUCTED. THIS SURVEY IS NOT TO BE USED TO DETERMINE OR OTHER EASEMENTS AND UTILITIES ALONG THIS CORRIDOR. LINE TYPE PATTERNS IN A 496 FORMAT. IT IS SUPPOSED THE ENGINEERING COMPANY WILL MODIFY THE MAP APPEARANCE AS NEEDED, THROUGH THE COURSE OF THEIR DESIGN PHASES.
5. AT HOKER PUBLIC WORKS. REQUESTED TO NOTIFY UTILITY COMPANIES OF A NEED FOR LOCATIONS TO DETERMINE UTILITY LOCATIONS. THE CITY OF HOKER, GEL, AND EASTERN NATURAL GAS RESPONDED TO THE SURVEY AND PROVIDED UTILITY LOCATIONS. PROVIDED MAPS OF THEIR SYSTEM ALONG WITH COMMUNICATIONS SYSTEMS (GAS) DID NOT RESPOND IN ANY WAY TO MY KNOWLEDGE. PETROLEUM SYSTEMS (GAS) DID NOT RESPOND IN ANY WAY TO MY KNOWLEDGE. COMMUNICATION LINES IN THIS AREA IT IS RECOMMENDED ACS LOCATIONS. NO TITLE SEARCH OR ABSTRACT OF MATTERS AFFECTING TITLE WAS CONDUCTED. THIS SURVEY IS NOT TO BE USED TO DETERMINE OR OTHER EASEMENTS AND UTILITIES ALONG THIS CORRIDOR. LINE TYPE PATTERNS IN A 496 FORMAT. IT IS SUPPOSED THE ENGINEERING COMPANY WILL MODIFY THE MAP APPEARANCE AS NEEDED, THROUGH THE COURSE OF THEIR DESIGN PHASES.
6. NO TITLE SEARCH OR ABSTRACT OF MATTERS AFFECTING TITLE WAS CONDUCTED. THIS SURVEY IS NOT TO BE USED TO DETERMINE OR OTHER EASEMENTS AND UTILITIES ALONG THIS CORRIDOR. LINE TYPE PATTERNS IN A 496 FORMAT. IT IS SUPPOSED THE ENGINEERING COMPANY WILL MODIFY THE MAP APPEARANCE AS NEEDED, THROUGH THE COURSE OF THEIR DESIGN PHASES.
7. THROUGH THE COURSE OF THEIR DESIGN PHASES.

SURVEY PROVIDED BY
ABILITY SURVEY

SCALE 1" = 30'
SHEET 3 OF 3

NO.	DATE	REVISION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			160-0782	2022	B1	B1

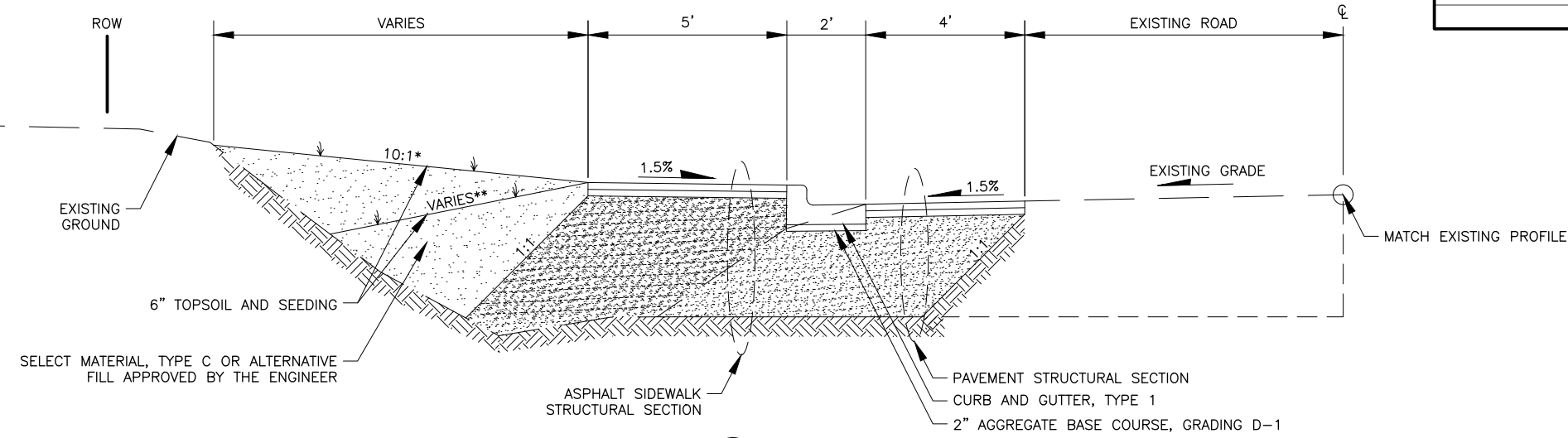
DESIGNED BY: _____ CHECKED BY: _____ DRAFTED BY: _____
 SCALE: NTS
 DATE: 3/31/2022 4:23 PM
 TIME: _____
 H:\JOBS\17-014 HOMER ROADS, DRAINAGE, AND TRAILS TERM (HOMER)\TASK 2 - MAIN STREET (PHASE 1) SIDEWALK\DESIGN\CAD\DRAWINGS\17014_02_B01-B01.DWG



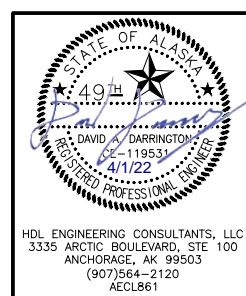
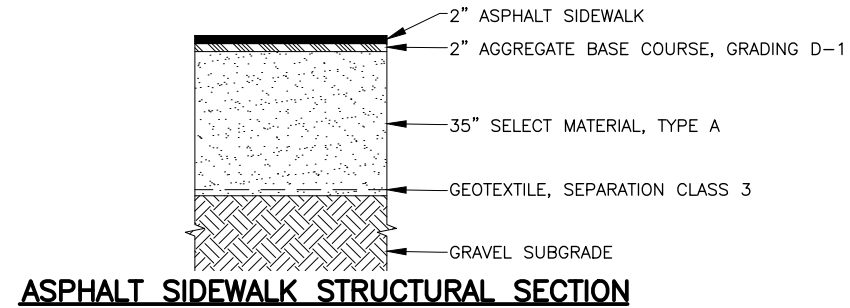
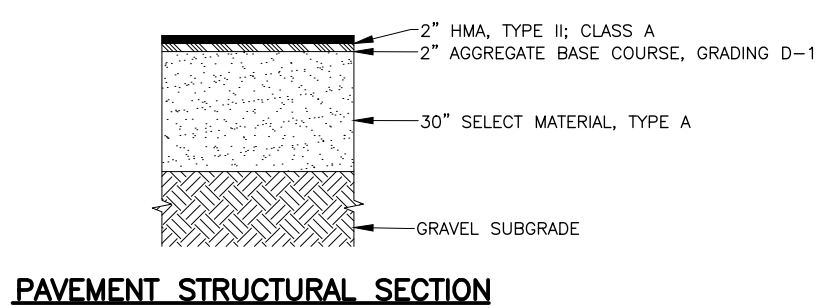
1 MAIN STREET
 B1 NTS
 STA 10+38 TO STA 13+25
 STA 14+75 TO STA 17+50
 STA 19+75 TO STA 21+00
 STA 23+25 TO STA 25+57
 STA 28+25 TO STA 29+35
 STA 31+00 TO STA 36+90
 SEE TABLE OF SLOPE EXCEPTIONS

STATION TO STATION	OFFSET	FORE/BACK	*POSITIVE SLOPE	**NEGATIVE SLOPE	REMARKS
STA 11+20 TO STA 11+62	LT	FORE		1:1	
STA 17+50 TO STA 19+25	LT	FORE	20:1		
STA 19+25 TO STA 19+75	LT	FORE		10:1	
STA 21+00 TO STA 21+50	LT	FORE		10:1	
STA 27+50 TO STA 28+25	LT	FORE		10:1	
STA 29+35 TO STA 30+00	LT	FORE	20:1		
STA 30+50 TO STA 31+00	LT	FORE	FLAT		

NOTE:
 1. NEGATIVE SLOPES INDICATE DOWNWARD SLOPES FROM BACK OF SIDEWALK.



2 MAIN STREET
 B1 NTS
 STA 13+25 TO STA 14+75
 STA 17+50 TO STA 19+75
 STA 21+00 TO STA 23+25
 STA 25+57 TO STA 28+25
 STA 29+35 TO STA 31+00
 STA 36+90 TO STA 38+92
 SEE TABLE OF SLOPE EXCEPTIONS



CITY OF HOMER
 PUBLIC WORKS DEPARTMENT
**MAIN STREET
 SIDEWALK IMPROVEMENTS**

TYPICAL SECTIONS

HDL ENGINEERING CONSULTANTS, LLC
 3335 ARCTIC BOULEVARD, STE 100
 ANCHORAGE, AK 99503
 (907)564-2120
 AECL861

H:\JOBS\17-014 HOMER ROADS, DRAINAGE, AND TRAILS TERM (HOMER)\TASK 2 - MAIN STREET (PHASE I) SIDEWALK
 DESIGN\CAD\DRAWINGS\17014_02_C01-C02.DWG
 DESIGNED BY: _____
 CHECKED BY: _____
 DRAFTED BY: _____
 SCALE: NTS
 TIME: 11:36 AM
 DATE: 4/1/2022

ESTIMATE OF QUANTITIES

ITEM NO.	ITEM DESCRIPTION	PAY UNIT	TOTAL QUANTITY
201.0003.0000	CLEARING AND GRUBBING	ACRE	1
202.0002.0000	REMOVAL OF PAVEMENT	SY	2,068
202.0003.0000	REMOVAL OF SIDEWALK	SY	43
202.0004.0000	REMOVAL OF CULVERT PIPE	LF	407
202.0009.0000	REMOVAL OF CURB AND GUTTER	LF	73
203.0003.0000	UNCLASSIFIED EXCAVATION	CY	1,755
203.0006.000A	BORROW, TYPE A	CY	2,380
203.0006.000C	BORROW, TYPE C	CY	95
301.0001.00D1	AGGREGATE BASE COURSE, GRADING D-1	TON	396
401.0001.002A	HMA, TYPE II; CLASS A	TON	210
603.0001.0012	CSP 12 INCH	LF	152
603.0001.0018	CSP 18 INCH	LF	134
603.0001.0024	CSP 24 INCH	LF	63
603.0003.0018	END SECTION FOR CSP 18 INCH	EACH	3
603.0003.0024	END SECTION FOR CSP 24 INCH	EACH	1
604.0001.0000	STORM SEWER MANHOLE	EACH	4
604.0003.0000	RECONSTRUCT EXISTING MANHOLE	EACH	7
604.0005.000A	INLET, TYPE A	EACH	7
607.0004.0000	RECONSTRUCTED FENCE	LF	40
608.0002.0000	ASPHALT SIDEWALK	TON	141
608.0006.0000	CURB RAMP	EACH	7
609.0002.0000	CURB AND GUTTER, TYPE 1	LF	2,627
610.0001.0000	DITCH LINING	TON	13
615.0001.0000	STANDARD SIGN	SF	67
615.0006.0000	SALVAGE SIGN	EACH	4
618.0002.0000	SEEDING	LB	21
618.0003.0000	WATER FOR SEEDING	MGAL	13
620.0001.0000	TOPSOIL	SY	1,435
627.0004.0000	FIRE HYDRANT ADJUSTMENT	EACH	3
627.0010.0000	ADJUSTMENT OF VALVE BOX	EACH	15
627.0011.0000	ADJUST WATER MANHOLE	EACH	1
630.0001.0000	GEOTEXTILE, SEPARATION, CLASS 3	SY	1,743
639.0001.0000	DRIVEWAY	EACH	10
639.2000.0000	APPROACH	EACH	4
640.0001.0000	MOBILIZATION AND DEMOBILIZATION	LS	ALL REQ'D
641.0001.0000	EROSION, SEDIMENT, AND POLLUTION CONTROL	LS	ALL REQ'D
641.0002.0000	TEMPORARY EROSION, SEDIMENT, AND POLLUTION CONTROL	CS	ALL REQ'D
642.0001.0000	CONSTRUCTION SURVEYING	LS	ALL REQ'D
642.0003.0000	THREE PERSON SURVEY PARTY	HOUR	20
643.0002.0001	TRAFFIC MAINTENANCE	LS	ALL REQ'D
670.0001.0000	PAINTED TRAFFIC MARKINGS	LS	ALL REQ'D

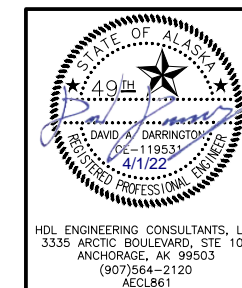
NO.	DATE	REVISION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			160-0782	2022	C1	C2

TABLE OF ESTIMATING FACTORS

ITEM NO.	ITEM DESCRIPTION	UNIT
203.0006.000A	BORROW, TYPE A	144 LB/CF
203.0006.000C	BORROW, TYPE C	144 LB/CF
301.0001.00D1	AGGREGATE BASE COURSE, GRADING D-1	144 LB/CF
401.0001.002A	HMA, TYPE II; CLASS A	151 LB/CF
608.0002.0000	ASPHALT SIDEWALK	151 LB/CF
610.0001.0000	DITCH LINING	110 LB/CF
618.0002.0000	SEEDING	0.0015 LB/SF
618.0003.0000	WATER FOR SEEDING	0.001 MGAL/SF

NOTES

- HMA, TYPE II, CLASS A BID PRICE INCLUDES TOTAL COST FOR HMA AND ASPHALT BINDER.



CITY OF HOMER
 PUBLIC WORKS DEPARTMENT
**MAIN STREET
 SIDEWALK IMPROVEMENTS**
 ESTIMATE OF QUANTITIES

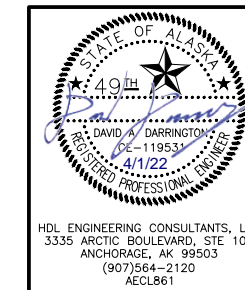
HDL ENGINEERING CONSULTANTS, LLC
 3335 ARCTIC BOULEVARD, STE 100
 ANCHORAGE, AK 99503
 (907)564-2120
 AECL861

H:\JOBS\17-014_HOMER ROADS, DRAINAGE, AND TRAILS TERM (HOMER)\TASK 2 - MAIN STREET (PHASE 1)_SIDEWALK
 DESIGN\CAD\DRAWINGS\17014_02_C01-C02.DWG
 DESIGNED BY: _____
 CHECKED BY: _____
 DRAFTED BY: _____
 SCALE: NTS
 TIME: 11:36 AM
 DATE: 4/1/2022

ESTIMATE OF QUANTITIES

ITEM NO.	ITEM DESCRIPTION	PAY UNIT	TOTAL QUANTITY
201.0003.0000	CLEARING AND GRUBBING	ACRE	0.5
202.0002.0000	REMOVAL OF PAVEMENT	SY	406
202.0004.0000	REMOVAL OF CULVERT PIPE	LF	198
203.0003.0000	UNCLASSIFIED EXCAVATION	CY	725
203.0006.000A	BORROW, TYPE A	CY	875
301.0001.00D1	AGGREGATE BASE COURSE, GRADING D-1	TON	74
401.0001.002A	HMA, TYPE II; CLASS A	TON	60
603.0001.0018	CSP 18 INCH	LF	133
603.0001.0024	CSP 24 INCH	LF	247
603.0003.0018	END SECTION FOR CSP 18 INCH	EACH	1
604.0001.0000	STORM SEWER MANHOLE	EACH	3
604.0003.0000	RECONSTRUCT EXISTING MANHOLE	EACH	1
604.0005.000A	INLET, TYPE A	EACH	1
608.0002.0000	ASPHALT SIDEWALK	TON	13
608.0006.0000	CURB RAMP	EACH	2
609.0002.0000	CURB AND GUTTER, TYPE 1	LF	300
610.0001.0000	DITCH LINING	TON	42
615.0001.0000	STANDARD SIGN	SF	15
615.0006.0000	SALVAGE SIGN	EACH	2
618.0002.0000	SEEDING	LB	4
618.0003.0000	WATER FOR SEEDING	MGAL	2
620.0001.0000	TOPSOIL	SY	232
630.0001.0000	GEOTEXTILE, SEPARATION, CLASS 3	SY	157
639.2000.0000	APPROACH	EACH	1
670.0001.0000	PAINTED TRAFFIC MARKINGS	LS	ALL REQ'D

NO.	DATE	REVISION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			160-0782	2022	C2	C2



CITY OF HOMER
 PUBLIC WORKS DEPARTMENT
**MAIN STREET
 SIDEWALK IMPROVEMENTS**

**ESTIMATE OF QUANTITIES
 ADDITIVE ALTERNATE**

H:\JOBS\17-014 HOMER ROADS, DRAINAGE, AND TRAILS TERM (HOMER)\TASK 2 - MAIN STREET (PHASE I) SIDEWALK DESIGN\CAD\DRAWINGS\17014_02_D01-D04.DWG
 DESIGNED BY: _____ CHECKED BY: _____ DRAFTED BY: _____
 SCALE: _____ TIME: 11:35 AM DATE: 4/1/2022

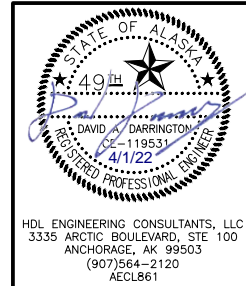
NO.	DATE	REVISION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			160-0782	2022	D1	D4

202.0002.0000 - REMOVAL OF PAVEMENT				
SHEET	STATION		AREA (SY)	REMARKS
	FROM	TO		
F1	10+38	15+00	295	
F2	15+00	20+00	357	
F3	20+00	24+50	239	
F4	24+50	29+50	558	
F5	29+50	34+50	440	
F6	34+50	38+92	585	
TOTAL:			2,474	

202.0003.0000 - REMOVAL OF SIDEWALK				
SHEET	STATION		AREA (SY)	REMARKS
	FROM	TO		
F1	10+44	11+11	43	
TOTAL:			43	

202.0004.0000 - REMOVAL OF CULVERT PIPE				
SHEET	STATION		LENGTH (LF)	REMARKS
	FROM	TO		
F1	12+45.04	12+75.22	31	
F2	15+02.90	15+33.12	31	
	16+79.22	16+99.09	21	
	18+02.05	18+32.31	31	
	18+54.56	18+85.12	31	
F3	20+37.32	20+61.48	25	
	23+65.67	23+85.71	20	
F4	25+40.68	25+41.43	30	
	25+41.48	25+45.45	20	
	26+51.04	26+71.36	21	
	28+98.87	29+20.83	32	
F5	31+00.28	31+30.58	31	
	32+79.25	32+97.21	32	
	32+96.02	32+97.43	20	
	33+77.12	34+07.36	31	
F6	36+82.28	36+84.61	33	ADDITIVE ALTERNATE
	37+89.71	38+01.35	31	ADDITIVE ALTERNATE
	38+27.44	38+34.53	80	ADDITIVE ALTERNATE
	38+33.73	38+83.44	54	ADDITIVE ALTERNATE
TOTAL:			605	

202.0009.0000 - REMOVAL OF CURB AND GUTTER				
SHEET	STATION		LENGTH (LF)	REMARKS
	FROM	TO		
	10+38	11+11	73	
TOTAL:			73	



CITY OF HOMER
 PUBLIC WORKS DEPARTMENT
**MAIN STREET
 SIDEWALK IMPROVEMENTS**

 SUMMARY TABLES

HDL ENGINEERING CONSULTANTS, LLC
 3335 ARCTIC BOULEVARD, STE 100
 ANCHORAGE, AK 99503
 (907)564-2120
 AECL861

603 ITEMS - PIPE SUMMARY

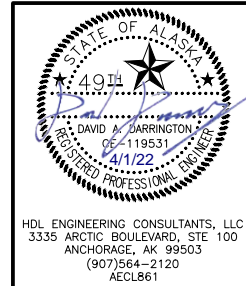
SHEET	INLET			OUTLET			SIZE (IN)	LENGTH (LF)	END SECTION	REMARKS	
	STATION	OFFSET	ELEV.	STATION	OFFSET	ELEV.					
P1-1	10+96.00	17.8 LT	155.88	10+91.21	CL	155.59	12	18.4			
P1-2	12+92.00	13.3 LT	166.49	12+69.41	1.8 LT	165.42	12	23.4			
P2-1	18+44.00	13.9 LT	201.38	18+68.63	1.5 LT	200.91	12	27.6			
P3-1	22+93.00	13.9 LT	230.10	22+69.42	2.0 RT	229.61	12	28.4			
P4-1	25+40.68	60.39 LT	249.50	25+40.68	25.7 LT	245.20	24	35.6	1		
P4-2	25+32.84	25.67 LT	246.22	25+41.45	CL	245.07	24	27.0			
P4-3	28+73.00	31.00 LT	270.24	28+98.91	25.6 LT	269.50	18	39.1	1		
P4-4	29+13.56	25.6 LT	273.30	28+98.91	1.7 LT	270.00	18	28.0			
P4-5	29+21.90	30.7 LT	273.30	29+13.56	25.6 LT	272.00	18	9.8	1		
P5-1	30+90.00	25 LT	276.99	30+90.00	CL	276.57	12	24.9			
P5-2	32+88.75	34.5 LT	287.58	32+79.25	1.4 LT	287.25	18	37.1			
P5-3	32+96.02	52.5 LT	291.03	32+88.75	34.5 LT	287.70	18	19.5	1		
P5-4	34+12.00	24.0 LT	293.83	34+12.00	5.3 RT	293.70	12	29.3			
P6-1	36+69.65	26.9 LT	315.97	36+84.62	11.6 RT	315.60	18	41.4		ADDITIVE ALTERNATE	
P6-2	36+79.19	32.6 LT	318.39	36+69.65	26.9 LT	316.05	18	12.1	1	ADDITIVE ALTERNATE	
P6-3	37+88.00	23.0 LT	318.99	36+84.62	11.6 RT	315.25	24	110.5		ADDITIVE ALTERNATE	
P6-4	37+90.00	55.0 LT	321.40	37+88.00	23.0 LT	320.00	24	32.1		ADDITIVE ALTERNATE	
P6-5	38+34.00	24.0 LT	321.82	37+88.00	23.0 LT	319.50	24	50.4		ADDITIVE ALTERNATE	
P6-6	38+27.44	103.1 LT	340.78	38+34.00	24.0 LT	322.32	18	79.5		ADDITIVE ALTERNATE	
P6-7	38+83.44	19.1 LT	330.71	38+34.00	24.0 LT	322.82	24	54.0		ADDITIVE ALTERNATE	
								12-INCH TOTAL:	152.0		
								18-INCH TOTAL:	266.5		
								24-INCH TOTAL:	309.5		
								18-INCH END SECTION TOTAL:	4		
								24-INCH END SECTION TOTAL:	1		

604.0001.000 - STORM SEWER MANHOLES

SHEET	STATION	OFFSET	REMARKS
F5	30+90.00	25.00 LT	S5-1; FIELD INLET
	30+90.00	CL	S5-2
	34+12.00	24.00 LT	S5-4; FIELD INLET
	34+12.00	CL	S5-5
	37+88.00	23.00 LT	S6-2, ADDITIVE ALTERNATE
	37+90.00	55.00 LT	S6-3; FIELD INLET, ADDITIVE ALTERNATE
	38+34.00	24.00 LT	S6-4, ADDITIVE ALTERNATE
TOTAL:		7	

604.0003.000 - RECONSTRUCT EXISTING MANHOLE

SHEET	STATION	OFFSET	REMARKS
F1	10+91.21	CL	
	12+69.41	1.8 LT	
F2	18+68.63	1.5 LT	
F3	22+69.42	2.0 RT	
F4	25+41.45	CL	
	28+98.91	1.7 LT	
F5	32+79.25	1.4 RT	
F6	36+84.61	11.6 RT	ADDITIVE ALTERNATE
TOTAL:		8	



CITY OF HOMER
PUBLIC WORKS DEPARTMENT
**MAIN STREET
SIDEWALK IMPROVEMENTS**

SUMMARY TABLES

H:\JOBS\17-014 HOMER ROADS, DRAINAGE, AND TRAILS TERM (HOMER)\TASK 2 - MAIN STREET (PHASE I) SIDEWALK DESIGN\CAD\DRAWINGS\17014_02_D01-D04.DWG
 DESIGNED BY: _____ CHECKED BY: _____ DRAFTED BY: _____
 SCALE: _____ DATE: 4/1/2022 TIME: 11:45 AM

NO.	DATE	REVISION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			160-0782	2022	D3	D4

DESIGNED BY: _____ CHECKED BY: _____ DRAFTED BY: _____
 SCALE: _____ TIME: 11:45 AM DATE: 4/1/2022
 H:\JOBS\17-014_HOMER ROADS, DRAINAGE, AND TRAILS TERM (HOMER)\TASK 2 - MAIN STREET (PHASE I)_SIDEWALK DESIGN\CAD\DRAWINGS\17014_02_D01-D04.DWG

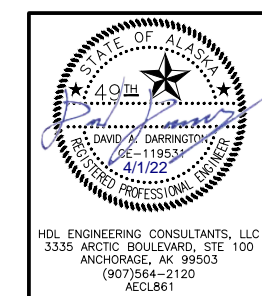
604.0005.000A - INLET, TYPE A			
SHEET	STATION	OFFSET	REMARKS
F1	10+96.00	17.85 LT	S1-1
	12+92.00	13.33 LT	S1-2
F2	18+44.00	13.88 LT	S2-1
F3	22+93.00	13.88 LT	S3-1
F4	25+32.84	25.67 LT	S4-1
	29+13.15	25.56 LT	S4-2
F5	32+88.75	34.47 LT	S5-3
F6	36+69.65	26.94 LT	S6-1, ADDITIVE ALTERNATE
TOTAL:		8	

608.0006.0000 - CURB RAMP				
SHEET	STATION	OFFSET	QUANTITY	REMARKS
F4	24+83.48	15.4 LT	1	
	25+48.28	15.3 LT	1	
	28+65.67	15.6 LT	1	
	29+30.00	15.3 LT	1	
F5	32+44.25	15.3 LT	1	
	33+09.51	15.3 LT	1	
F6	36+24.56	15.3 LT	1	
	36+82.20	15.5 LT	1	ADDITIVE ALTERNATE
	38+30.61	15.4 LT	1	ADDITIVE ALTERNATE
TOTAL:			9	

607.0004.0000 - RECONSTRUCTED FENCE						
SHEET	FROM		TO		LENGTH (LF)	REMARKS
	STATION	OFFSET	STATION	OFFSET		
F6	36+10.78	32.1 LT	36+35.94	48.7 LT	40'	
TOTAL:					40'	

609.0002.0000 - CURB AND GUTTER, TYPE 1				
SHEET	STATION		LENGTH (LF)	REMARKS
	FROM	TO		
F1	10+38.00	15+00.00	462	
F2	15+00.00	20+00.00	500	
F3	20+00.00	24+50.00	450	
F4	24+50.00	25+03.29	70	
	25+28.05	28+85.00	390	
	29+08.33	29+50.00	67	
F5	29+50.00	32+64.55	331	
	32+89.21	34+50.00	177	
F6	34+50.00	36+44.86	211	
	36+67.65	38+47.20	246	ADDITIVE ALTERNATE
	38+68.20	38+92.71	54	ADDITIVE ALTERNATE
TOTAL:			2958	

608.0002.0000 - ASPHALT SIDEWALK							
SHEET	FROM		TO		WIDTH (FT)	QUANTITY (TON)	REMARKS
	STATION	OFFSET	STATION	OFFSET			
F1	10+38.00	18.0 LT	15+00.00	14.0 LT	5	29	
F2	15+00.00	14.0 LT	20+00.00	14.0 LT	5	31	
F3	20+00.00	14.0 LT	24+50.00	14.0 LT	5	28	
	24+50.00	14.0 LT	24+70.61	14.0 LT	5	1	
F4	25+70.74	14.0 LT	28+52.34	14.0 LT	5	18	
	29+45.38	14.0 LT	29+50.00	14.0 LT	5	1	
F5	29+50.00	14.0 LT	32+31.88	14.0 LT	5	18	
	33+32.88	14.0 LT	34+50.00	14.0 LT	5	7	
F6	34+50.00	14.0 LT	36+12.19	14.0 LT	5	10	
	37+01.62	14.0 LT	38+18.89	14.0 LT	5	8	ADDITIVE ALTERNATE
	37+81.96	39.9 LT	38+17.32	19.0 RT	5	3	ADDITIVE ALTERNATE
TOTAL:						154	



CITY OF HOMER
 PUBLIC WORKS DEPARTMENT
**MAIN STREET
 SIDEWALK IMPROVEMENTS**
 SUMMARY TABLES

HDL ENGINEERING CONSULTANTS, LLC
 3335 ARCTIC BOULEVARD, STE 100
 ANCHORAGE, AK 99503
 (907)564-2120
 AECL861

H:\JOBS\17-014 HOMER ROADS, DRAINAGE, AND TRAILS TERM (HOMER)\TASK 2 - MAIN STREET (PHASE I) SIDEWALK DESIGN\CAD\DRAWINGS\17014_02_D01-D04.DWG
 DESIGNED BY: _____ CHECKED BY: _____ DRAFTED BY: _____
 SCALE: _____ TIME: 11:45 AM DATE: 4/1/2022

NO.	DATE	REVISION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			160-0782	2022	D4	D4

610.0001.0000 - DITCH LINING				
SHEET	STATION		QUANTITY (TON)	REMARKS
	FROM	TO		
F1	11+32.00	11+62.00	13	
F6	37+83.34	38+22.64	42	ADDITIVE ALTERNATE
TOTAL:			55	

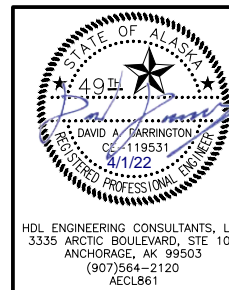
627.0011.0000 - ADJUST WATER MANHOLE			
SHEET	STATION	OFFSET	REMARKS
F4	28+46.93	23.9 LT	
TOTAL:		1	

627.0004.0000 - FIRE HYDRANT ADJUSTMENT			
SHEET	STATION	OFFSET	REMARKS
F2	16+53.55	21.48 LT	
F3	20+49.08	21.7 LT	
F6	36+27.47	25.3 LT	
TOTAL:		3	

639.0001.0000 - DRIVEWAYS									
SHEET	STATION	OFFSET	SKEW ANGLE (90° TYP.)	TYPE			WIDTH (FT)	LENGTH (FT)	REMARKS
				PUB.	RES.	COM.			
F1	12+61.60	LT	90		GRAVEL		25.1	17.2	
F2	15+18.12	LT	90		GRAVEL		26.3	9.5	
	16+88.37	LT	90		GRAVEL		14.0	25.9	
	18+16.91	LT	90		ASPHALT		19.2	7	
F3	18+68.30	LT	90		ASPHALT		24.8	9.5	
	22+41.15	LT	90		ASPHALT		25.6	9.5	
F4	23+75.00	LT	90		GRAVEL		16.9	9.5	
	26+61.16	LT	90		GRAVEL		14.7	12.6	
F5	31+15.71	LT	90		ASPHALT		13.4	9.5	
	33+92.88	LT	90		GRAVEL		23.4	9.5	
TOTAL:					10				

627.0010.0000 - ADJUSTMENT OF VALVE BOX			
SHEET	STATION	OFFSET	REMARKS
F2	16+53.01	17.1 LT	
	18+84.79	10.8 LT	
	18+86.46	13.2 LT	
F3	20+49.73	17.7 LT	
	25+35.02	17.5 LT	
	25+38.39	21.1 LT	
	29+08.14	24.9 LT	
F5	29+08.34	15.6 LT	
	32+93.58	15.2 LT	
	32+99.41	15.4 LT	
	36+06.91	17.2 LT	
F6	36+23.19	9.5 LT	
	36+30.55	25.3 LT	
	36+49.17	15.5 LT	
	36+54.65	15.7 LT	
	TOTAL:		15

639.2000.0000 - APPROACH SUMMARY									
SHEET	STATION	OFFSET	SKEW ANGLE (90° TYP.)	TYPE			WIDTH (FT)	LENGTH (FT)	REMARKS
				PUB.	RES.	COM.			
F4	25+15.61	LT	90	ASPHALT			24.0	30.0	FAIRVIEW AVE
	28+97.27	LT	90	ASPHALT			24.0	30.0	DANVIEW AVE
F5	32+76.91	LT	90	ASPHALT			24.0	30.0	CITYVIEW AVE
F6	36+57.16	LT	90	ASPHALT			24.0	30.0	BAYVIEW AVE
	38+57.70	LT	90	ASPHALT			24.0	30.0	DEHEL AVENUE; ADDITIVE ALTERNATE
TOTAL:				5					

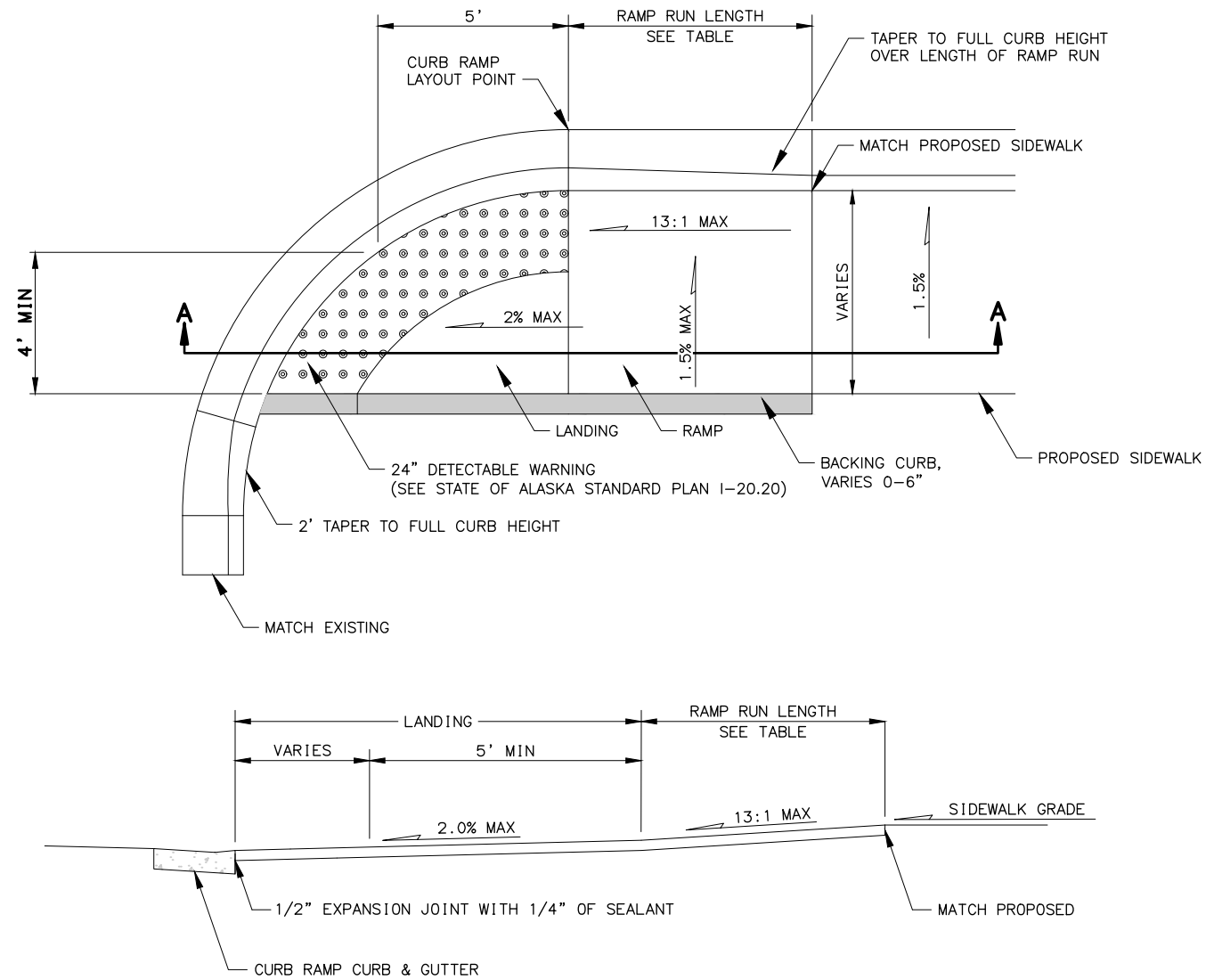


HDL ENGINEERING CONSULTANTS, LLC
 3335 ARCTIC BOULEVARD, STE 100
 ANCHORAGE, AK 99503
 (907)564-2120
 AECL861

CITY OF HOMER
 PUBLIC WORKS DEPARTMENT
**MAIN STREET
 SIDEWALK IMPROVEMENTS**

SUMMARY TABLES

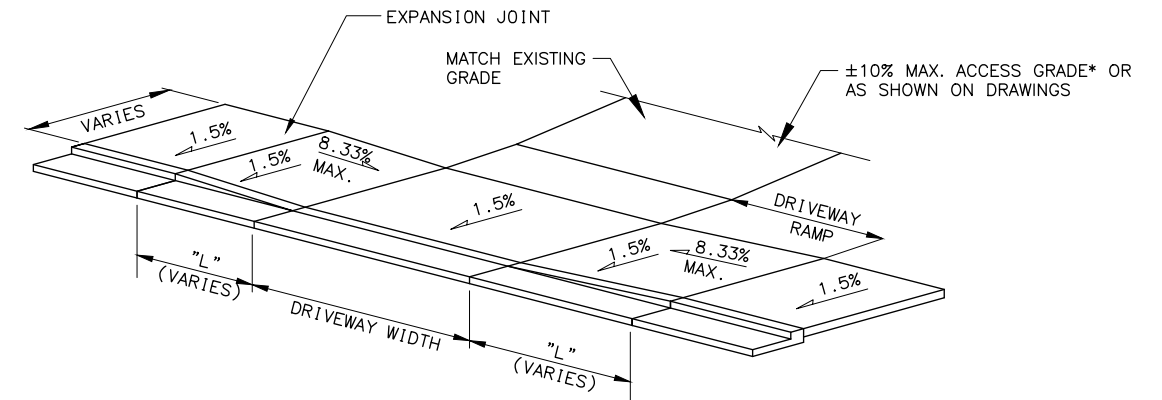
NO.	DATE	REVISION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			160-0782	2022	E1	E4



**SECTION A-A
UNIDIRECTIONAL CURB RAMP**

UNIDIRECTIONAL CURB RAMP CONSTRUCTION NOTES:

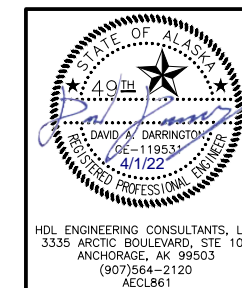
1. CONSTRUCT UNIDIRECTIONAL RAMPS AND LANDINGS WITH A BROOM FINISH PERPENDICULAR TO THE LONG DIRECTION OF THE RAMP.
2. CONTRACTOR SHALL CONSTRUCT THE RAMP PORTION OF THE CURB RAMP WITH A 1.5% CROSS SLOPE. THE RUNNING SLOPE IS 5% MINIMUM AND 8.33% MAXIMUM, BUT SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15-FT.
3. CONTRACTOR SHALL CONSTRUCT LANDINGS WITH A MAXIMUM 2% RUNNING SLOPE AND 1.5% CROSS SLOPE.
4. CONTRACTOR SHALL CONSTRUCT BACKING CURB BEHIND LANDING AND RAMPS WHERE SHOWN OR AS DIRECTED BY THE ENGINEER. BACKING CURB IS INCIDENTAL TO CURB RAMP AND NO ADDITIONAL PAYMENT WILL BE NEEDED.
5. IF LANDING LENGTH IS LESS THAN 5-FT, CONTRACTOR SHALL INSTALL DETECTABLE WARNINGS AT THE BOTTOM OF THE RAMP. IF THE LANDING LENGTH IS EQUAL TO OR GREATER THAN 5-FT, CONTRACTOR SHALL INSTALL RADIAL DETECTABLE WARNING ALONG TOP BACK OF CURB FOR THE WIDTH OF THE LANDING. DETECTABLE WARNINGS SHALL BE INSTALLED I.A.W. MANUFACTURER'S RECOMMENDATIONS AND ALIGNED SUCH THAT THE TRUNCATED DOMES ARE IN LINE WITH THE DIRECTION OF TRAVEL.



* MAXIMUM ALGEBRAIC DIFFERENCE IS 8% ON COMMERCIAL/INDUSTRIAL DRIVEWAYS.

**TYPICAL DRIVEWAY ENTRANCE
(WITH ATTACHED SIDEWALK)**

DRIVEWAY RAMP RUNNING SLOPE TABLE		
STREET RUNNING SLOPE	MINIMUM UPHILL RAMP LENGTH "L"	MINIMUM DOWNHILL RAMP LENGTH "L"
0.0% TO 0.5%	6.0'	6.0'
> 0.5% TO 1.6%	7.0'	6.0'
> 1.6% TO 2.4%	8.0'	5.0'
> 2.4% TO 3.1%	9.0'	5.0'
> 3.1% TO 3.6%	10.0'	5.0'
> 3.6% TO 4.0%	11.0'	4.0'
> 4.0% TO 4.4%	12.0'	4.0'
> 4.4% TO 4.7%	13.0'	4.0'
> 4.7% TO 5.0%	14.0'	4.0'
> 5.0%	15.0'	4.0'



HDL ENGINEERING CONSULTANTS, LLC
3335 ARCTIC BOULEVARD, STE 100
ANCHORAGE, AK 99503
(907)564-2120
AECL861

CITY OF HOMER
PUBLIC WORKS DEPARTMENT
**MAIN STREET
SIDEWALK IMPROVEMENTS**

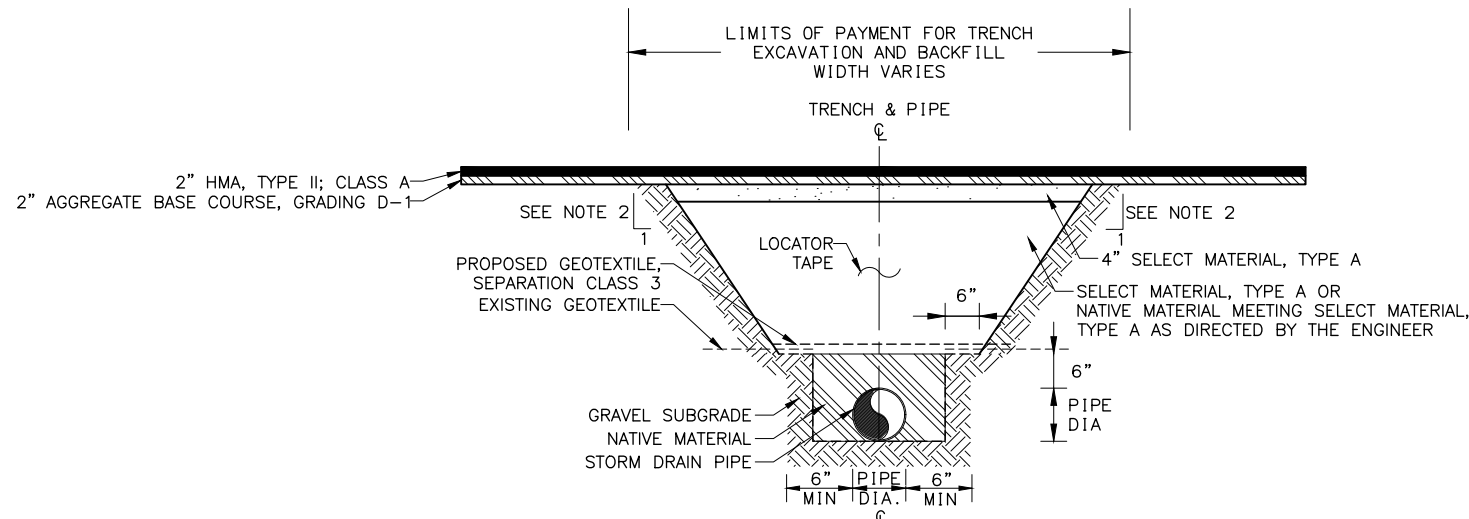
DETAILS

H:\JOBS\17-014_HOMER ROADS, DRAINAGE, AND TRAILS TERM (HOMER)\TASK 2 - MAIN STREET (PHASE 1) SIDEWALK DESIGN\CAD\DRAWINGS\17014_02_E01-E02.DWG

DESIGNED BY: [blank]
CHECKED BY: [blank]
DATE: 3/31/2022 4:31 PM
SCALE: [blank]

NO.	DATE	REVISION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			160-0782	2022	E2	E4

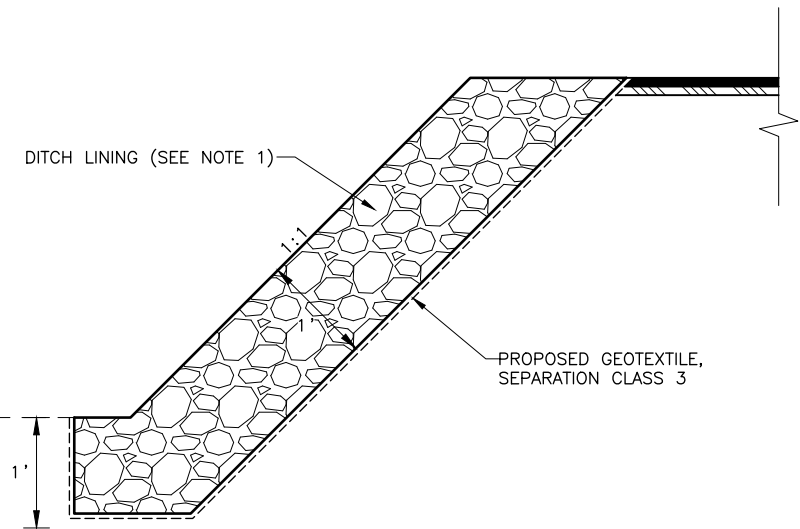
DESIGNED BY: _____ CHECKED BY: _____ DRAFTED BY: _____
 SCALE: _____
 DATE: 3/31/2022 TIME: 4:31 PM
 H:\JOBS\17-014_HOMER ROADS, DRAINAGE, AND TRAILS TERM (HOMER)\TASK 2 - MAIN STREET (PHASE 1) SIDEWALK DESIGN\CAD\DRAWINGS\17014_02_E01-E02.DWG



1 TYPICAL TRENCH DETAIL
E2 NTS

NOTES

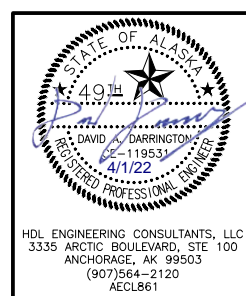
- TRENCH BACKFILL MATERIAL PLACED AND COMPACTED TO DEPTHS SHOWN IN THE DRAWINGS OR AS DETERMINED BY THE ENGINEER. COMPACT TRENCH BACKFILL IN 12 INCH LIFTS TO A MINIMUM OF 90% MAXIMUM DENSITY.
- TRENCH WALL SLOPES WILL VARY WITH SOIL STRENGTH AND CHARACTER. SLOPES SHALL CONFORM TO OSHA SAFETY STANDARDS.
- PROPOSED GEOTEXTILE SHALL OVERLAP EXISTING GEOTEXTILE A MIN OF 6 INCHES.
- BACKFILL TRENCH USING EXCAVATED NATIVE MATERIAL.



2 1:1 SLOPE DETAIL
E2 NTS
STA 11+32 TO STA 11+62

NOTES

- DITCH LINING SHALL MEET THE FOLLOWING SPECIFICATIONS:
 - USE CRUSHED ROCK WITH AT LEAST TWO FRACTURED FACES
 - USING AASHTO T96, THERE SHALL BE NO MORE THAN 50% WEAR AT 500 REVOLUTIONS
 - THE GREATEST DIMENSION OF THE ROCKS SHOULD NOT EXCEED 8 INCHES
 - NO MORE THAN 50% BY WEIGHT SHALL PASS THE 3 INCH SIEVE
 - NO MORE THAN 5% BY WEIGHT SHALL PASS THE 1 INCH SIEVE

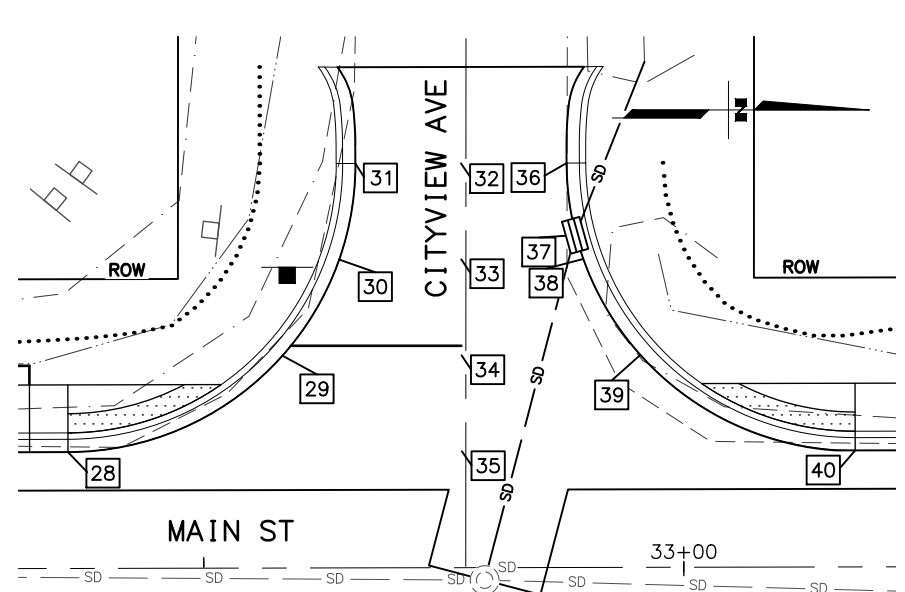
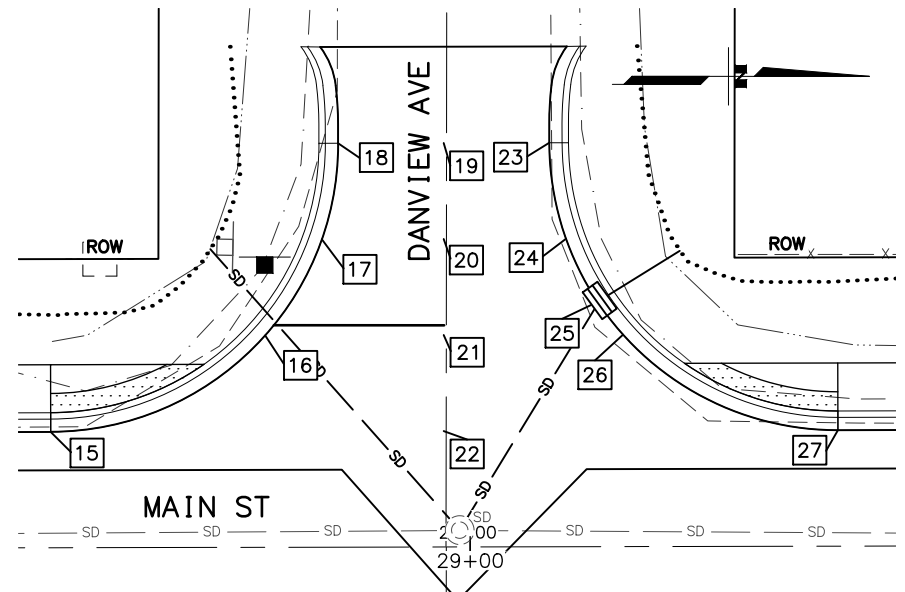
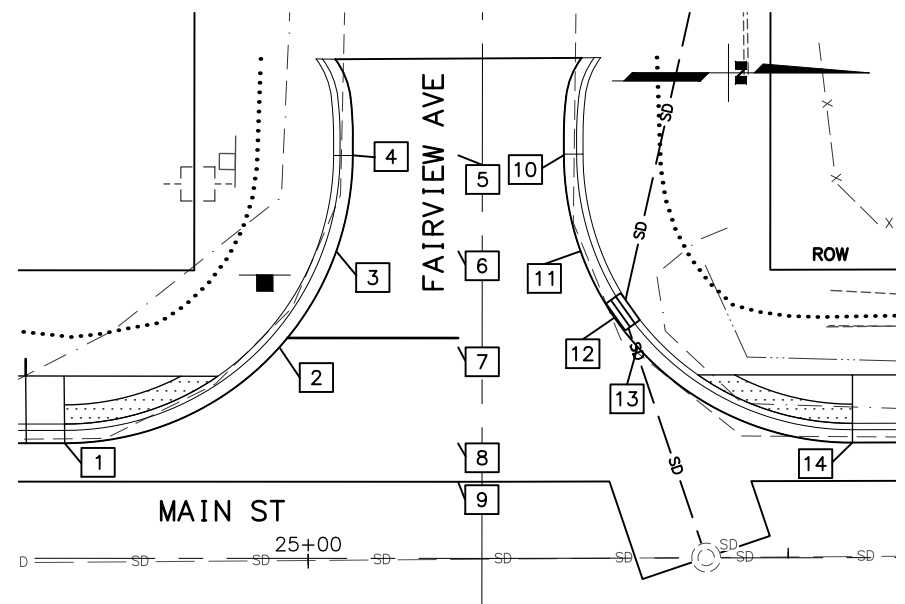


CITY OF HOMER
PUBLIC WORKS DEPARTMENT
**MAIN STREET
SIDEWALK IMPROVEMENTS**

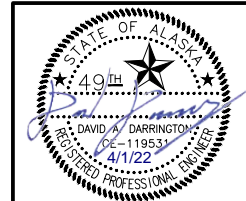
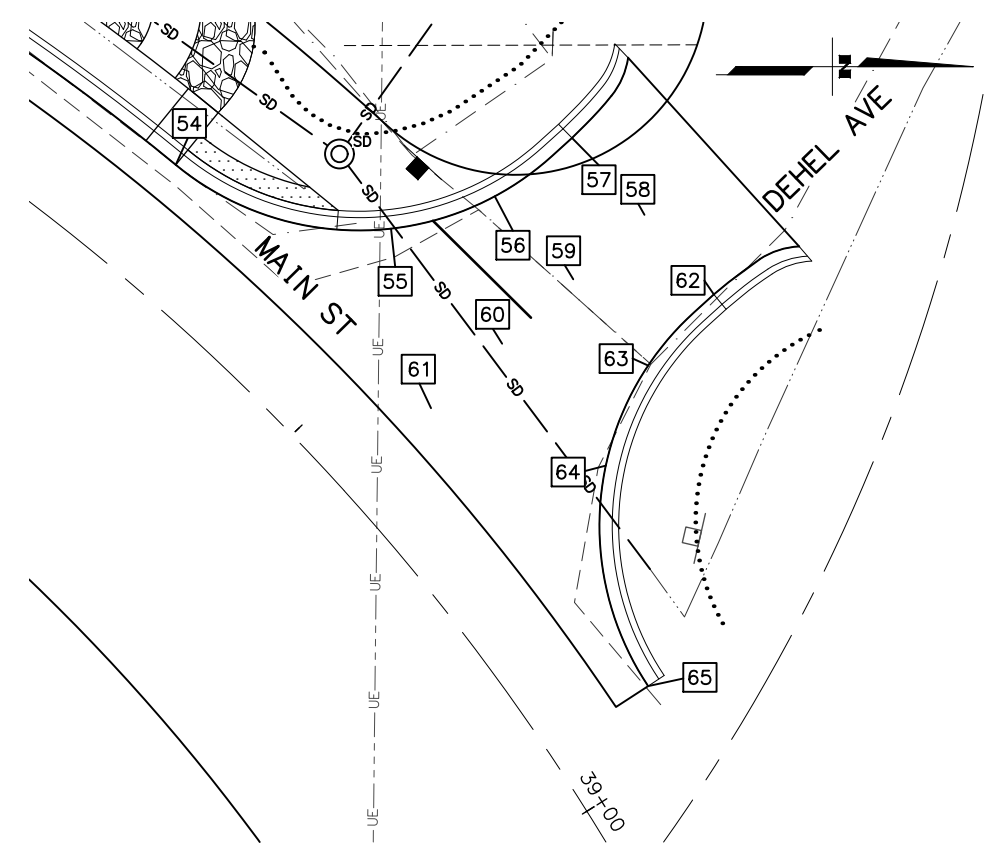
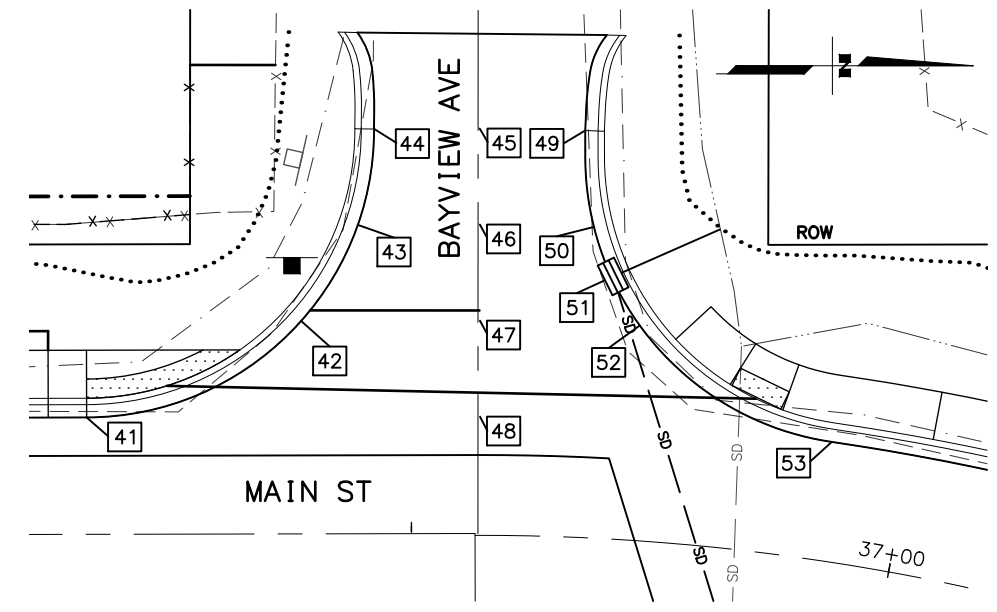
DETAILS

HDL ENGINEERING CONSULTANTS, LLC
3335 ARCTIC BOULEVARD, STE 100
ANCHORAGE, AK 99503
(907)564-2120
AECL861

H:\JOBS\17-014_HOMER ROADS, DRAINAGE, AND TRAILS TERM (HOMER)\TASK 2 - MAIN STREET (PHASE I) SIDEWALK DESIGN\CAD\DRAWINGS\17014_02_E03-E04.DWG
 DATE: 3/31/2022 4:26 PM
 TIME: 11:20 AM
 SCALE: 1"=20'
 DESIGNED BY: [Redacted]
 CHECKED BY: [Redacted]
 DRAFTED BY: [Redacted]



LAYOUT SCHEDULE				
POINT	STATION	OFFSET	ELEVATION	REMARKS
1	24+74.63	12.00 LT	248.72	LIP OF CURB
2	24+96.99	22.00 LT	250.04	LIP OF CURB
3	25+02.91	32.00 LT	250.64	LIP OF CURB
4	25+04.63	42.00 LT	251.18	BEGIN CURB TERMINATION
5	25+15.63	42.00 LT	251.60	ASPHALT CROWN
6	25+15.62	32.00 LT	251.17	ASPHALT CROWN
7	25+15.61	22.00 LT	250.73	ASPHALT CROWN
8	25+15.61	12.00 LT	250.53	ASPHALT CROWN
9	25+15.60	8.00 LT	250.61	ASPHALT CROWN
10	25+26.72	42.00 LT	251.78	BEGIN CURB TERMINATION
11	25+28.44	32.00 LT	251.51	LIP OF CURB
12	25+31.95	25.07 LT	251.31	STORM DRAIN
13	25+34.36	22.00 LT	251.44	LIP OF CURB
14	25+56.72	12.00 LT	252.24	LIP OF CURB
15	28+56.34	12.00 LT	273.98	LIP OF CURB
16	28+78.70	22.00 LT	275.06	LIP OF CURB
17	28+84.62	32.00 LT	275.34	LIP OF CURB
18	28+86.34	42.00 LT	275.71	BEGIN CURB TERMINATION
19	28+97.34	42.00 LT	275.83	ASPHALT CROWN
20	28+97.31	32.00 LT	275.77	ASPHALT CROWN
21	28+97.29	22.00 LT	275.71	ASPHALT CROWN
22	28+97.27	12.00 LT	275.64	ASPHALT CROWN
23	29+08.33	42.00 LT	275.96	BEGIN CURB TERMINATION
24	29+10.05	32.00 LT	275.91	LIP OF CURB
25	29+13.33	25.42 LT	275.88	STORM DRAIN
26	29+15.97	22.00 LT	275.99	LIP OF CURB
27	29+38.33	12.00 LT	276.67	LIP OF CURB
28	32+35.88	12.00 LT	290.54	LIP OF CURB
29	32+58.24	22.00 LT	291.94	LIP OF CURB
30	32+64.16	32.00 LT	292.36	LIP OF CURB
31	32+65.88	42.00 LT	292.62	BEGIN CURB TERMINATION
32	32+76.88	42.00 LT	293.05	ASPHALT CROWN
33	32+76.89	32.00 LT	292.93	ASPHALT CROWN
34	32+76.90	22.00 LT	292.81	ASPHALT CROWN
35	32+76.91	12.00 LT	292.69	ASPHALT CROWN
36	32+87.88	42.00 LT	293.25	BEGIN CURB TERMINATION
37	32+88.83	34.49 LT	293.22	STORM DRAIN
38	32+88.83	34.49 LT	293.32	LIP OF CURB
39	32+95.52	22.00 LT	293.58	LIP OF CURB
40	33+17.88	12.00 LT	294.81	LIP OF CURB
41	36+16.19	12.00 LT	318.19	LIP OF CURB
42	36+38.56	22.00 LT	320.22	LIP OF CURB
43	36+44.48	32.00 LT	320.89	LIP OF CURB
44	36+46.19	42.00 LT	321.32	BEGIN CURB TERMINATION
45	36+57.16	42.00 LT	321.67	ASPHALT CROWN
46	36+57.16	32.00 LT	321.41	ASPHALT CROWN
47	36+57.16	22.00 LT	321.16	ASPHALT CROWN
48	36+57.16	12.00 LT	320.96	ASPHALT CROWN
49	36+66.51	42.00 LT	321.77	BEGIN CURB TERMINATION
50	36+67.65	32.00 LT	321.72	LIP OF CURB
51	36+69.50	26.86 LT	321.69	STORM DRAIN
52	36+72.42	22.00 LT	321.76	LIP OF CURB
53	36+92.17	12.00 LT	322.04	LIP OF CURB
54	38+22.68	12.00 LT	330.44	LIP OF CURB
55	38+42.43	22.00 LT	332.96	LIP OF CURB
56	38+47.20	32.00 LT	334.69	LIP OF CURB
57	38+48.33	42.00 LT	336.14	BEGIN CURB TERMINATION
58	38+57.70	42.00 LT	335.87	ASPHALT CROWN
59	38+57.70	32.00 LT	334.75	ASPHALT CROWN
60	38+57.70	22.00 LT	333.63	ASPHALT CROWN
61	38+57.70	12.00 LT	332.52	ASPHALT CROWN
62	38+67.06	42.00 LT	335.77	BEGIN CURB TERMINATION
63	38+68.19	32.00 LT	334.81	LIP OF CURB
64	38+72.96	22.00 LT	333.97	LIP OF CURB
65	38+92.71	12.00 LT	333.26 ±ME	LIP OF CURB



HDL ENGINEERING CONSULTANTS, LLC
 3335 ARCTIC BOULEVARD, STE 100
 ANCHORAGE, AK 99503
 (907)564-2120
 AECL861

CITY OF HOMER
 PUBLIC WORKS DEPARTMENT
**MAIN STREET
 SIDEWALK IMPROVEMENTS**
 APPROACH DETAILS

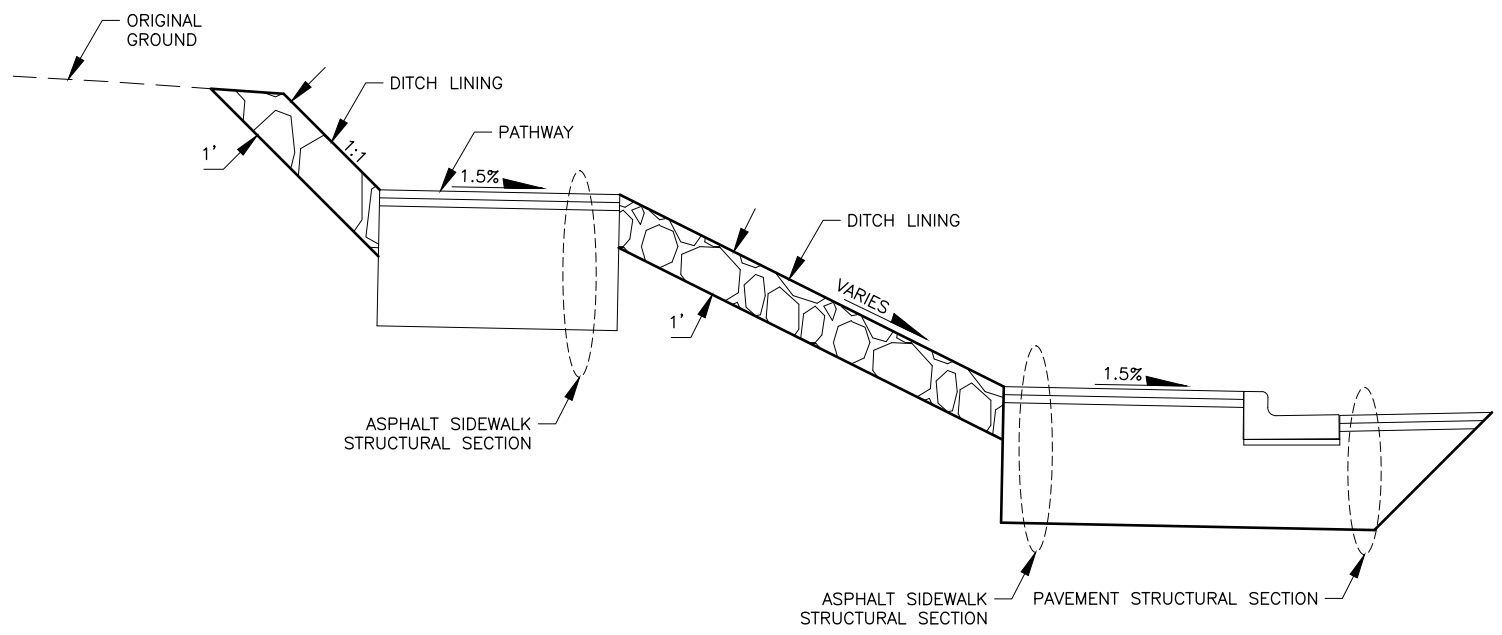
NO.	DATE	REVISION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			160-0782	2022	E4	E4

DESIGNED BY
CHECKED BY
DRAFTED BY

DATE 3/31/2022
TIME 4:26 PM

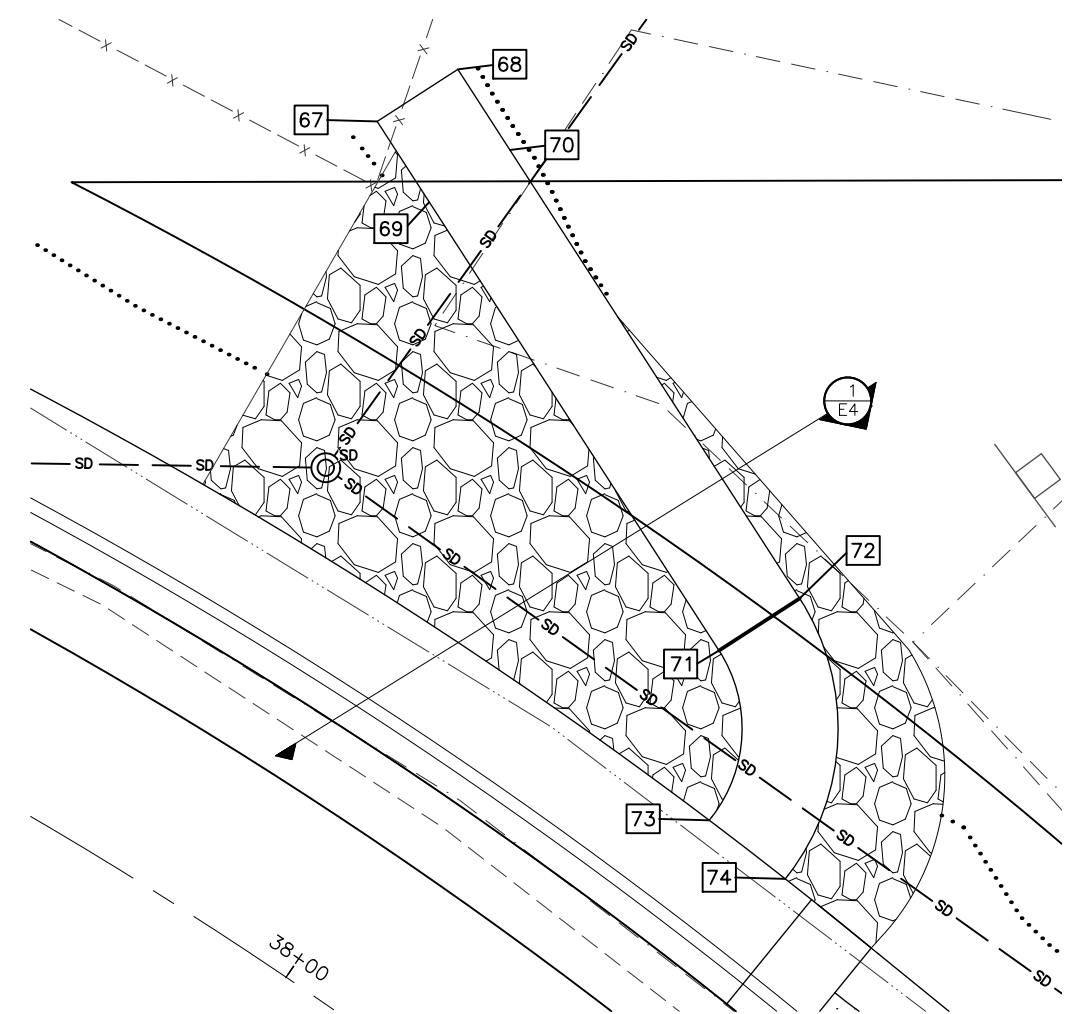
SCALE

H:\JOBS\17-014_HOMER ROADS, DRAINAGE, AND TRAILS TERM (HOMER)\TASK 2 - MAIN STREET (PHASE 1) SIDEWALK DESIGN\CAD\DRAWINGS\17014_02_E03-E04.DWG



1 PATHWAY TYPICAL
E4 NTS

LAYOUT SCHEDULE				
POINT	STATION	OFFSET	ELEVATION	REMARKS
67	37+81.96	39.91 LT	332.22	PATHWAY
68	37+83.90	44.35 LT	332.30	PATHWAY
69	37+85.79	37.64 LT	332.12	PATHWAY LANDING
70	37+87.69	42.12 LT	332.20	PATHWAY LANDING
71	38+08.25	26.40 LT	330.77	PATHWAY, PC, R=7.5'
72	38+09.84	31.07 LT	330.85	PATHWAY, PC, R=12.5'
73	38+12.68	19.00 LT	330.26	PATHWAY, PT
74	38+17.32	19.00 LT	330.62	PATHWAY, PT



STATE OF ALASKA
49th
DAVID A. BARRINGTON
E-11953
4/1/22
REGISTERED PROFESSIONAL ENGINEER

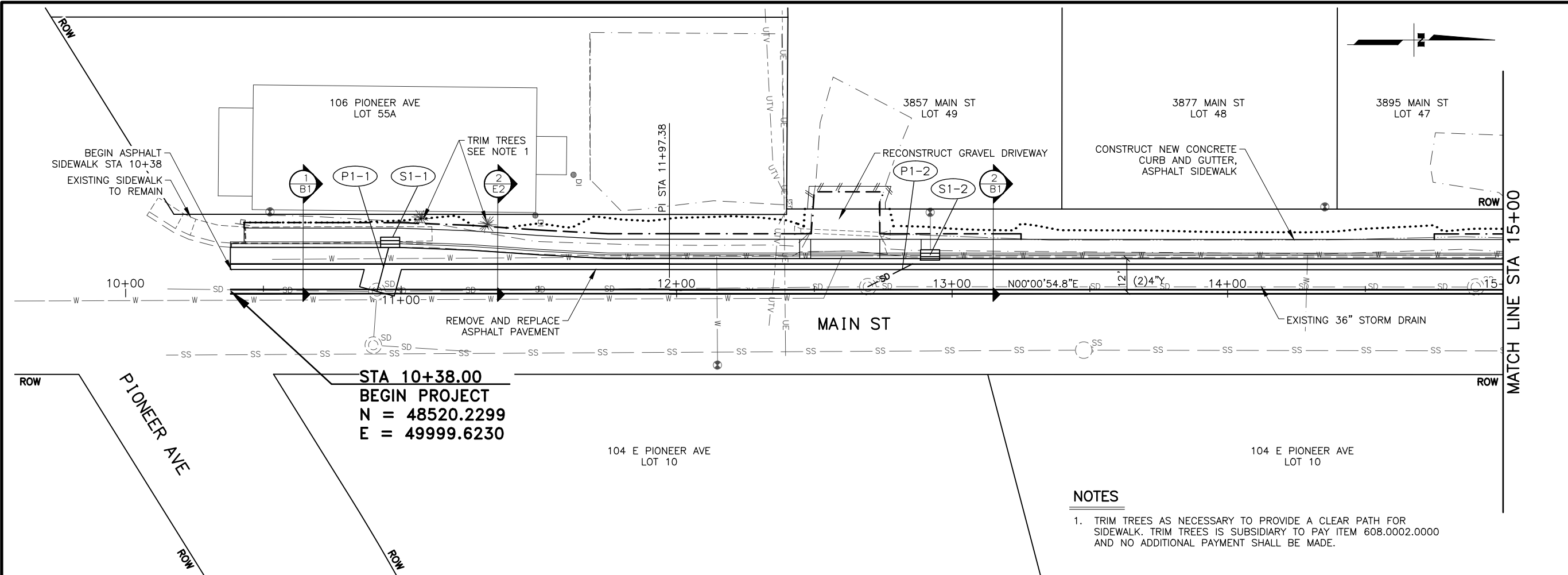
HDL ENGINEERING CONSULTANTS, LLC
3335 ARCTIC BOULEVARD, STE 100
ANCHORAGE, AK 99503
(907)564-2120
AECL861

CITY OF HOMER
PUBLIC WORKS DEPARTMENT

**MAIN STREET
SIDEWALK IMPROVEMENTS**

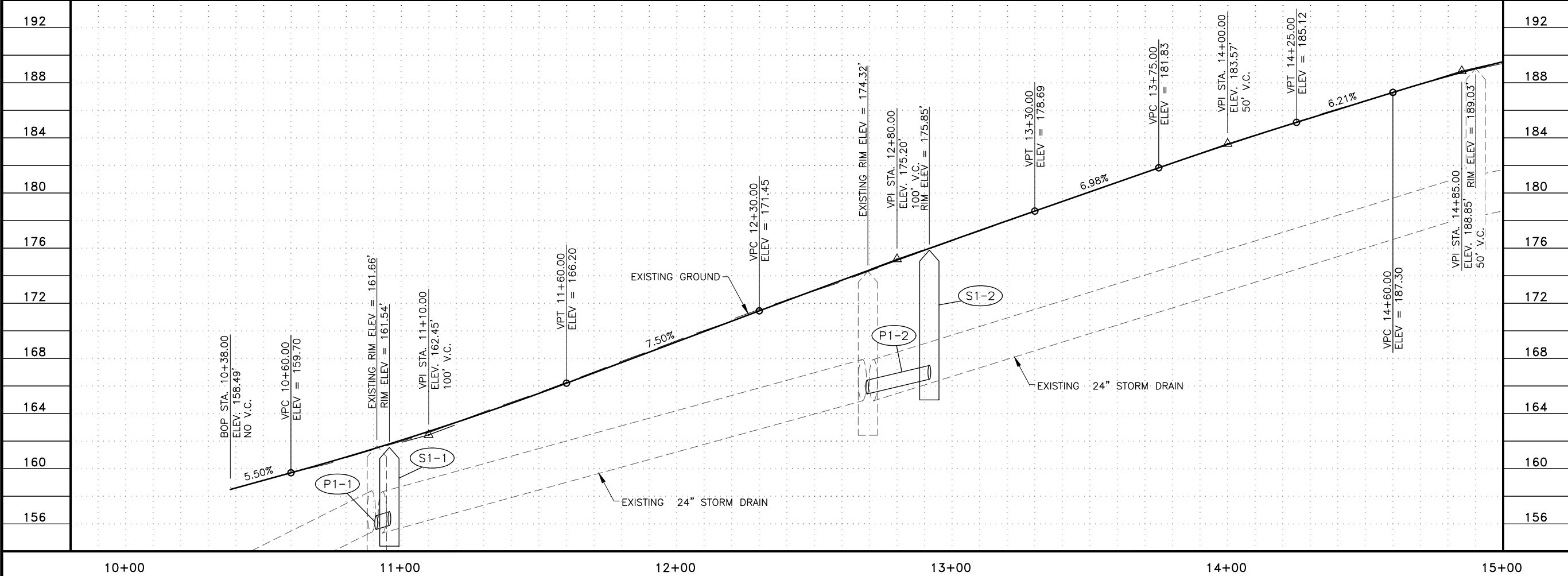
PATHWAY DETAILS

H:\JOBS\17-014 HOMER ROADS, DRAINAGE, AND TRAILS TERM (HOMER)\TASK 2 - MAIN STREET (PHASE I) SIDEWALK DESIGN\CAD\DRAWINGS\17014_02_F01-F06.DWG
 DATE: 4/1/2022 12:24 PM
 TIME: 12:24 PM
 SCALE: 1"=20'
 DESIGNED BY: NMO
 CHECKED BY: NMO
 DRAFTED BY: WP



NOTES

- TRIM TREES AS NECESSARY TO PROVIDE A CLEAR PATH FOR SIDEWALK. TRIM TREES IS SUBSIDIARY TO PAY ITEM 608.0002.0000 AND NO ADDITIONAL PAYMENT SHALL BE MADE.



SHEET NO.	TOTAL SHEETS
F1	F6
YEAR	
2022	
PROJECT DESIGNATION	
160-0782	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	

DEHEL AVE
 BAYVIEW AVE
 CITYVIEW AVE
 DANVIEW AVE
 FAIRVIEW AVE
 LEE ST
 PIONEER AVE
 MAIN ST
 THIS SHEET

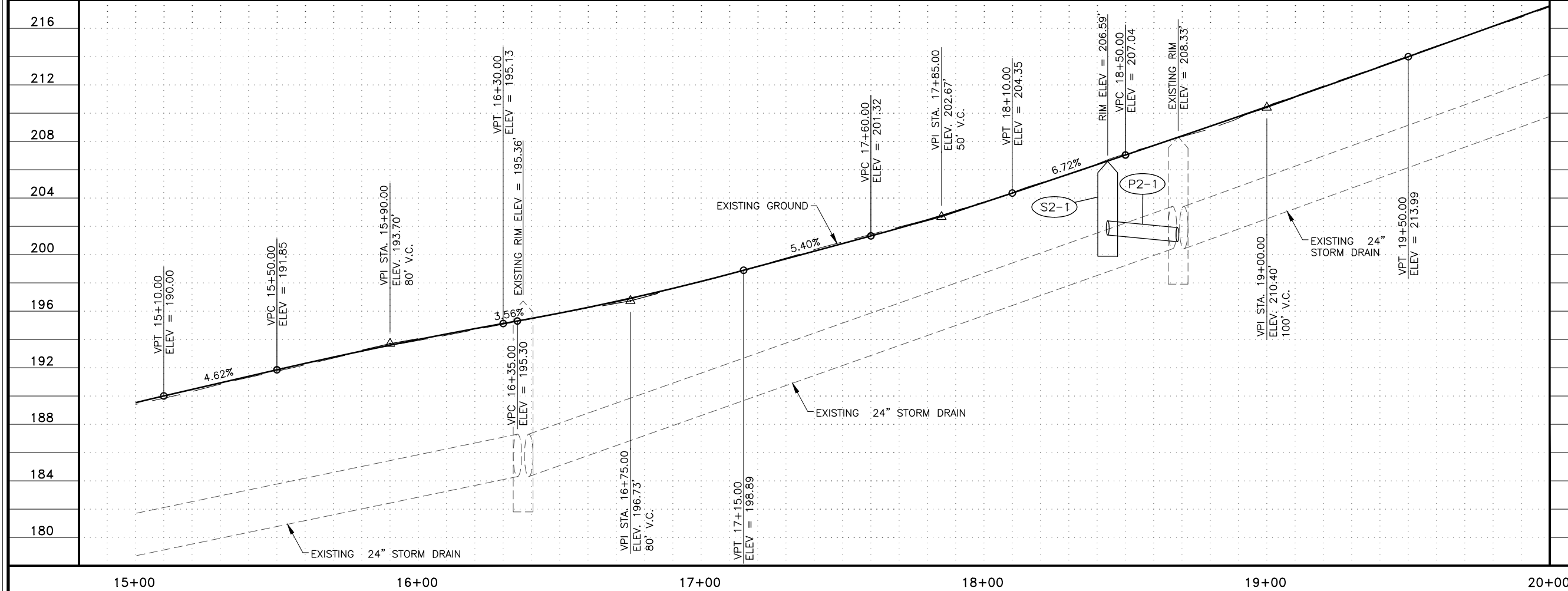
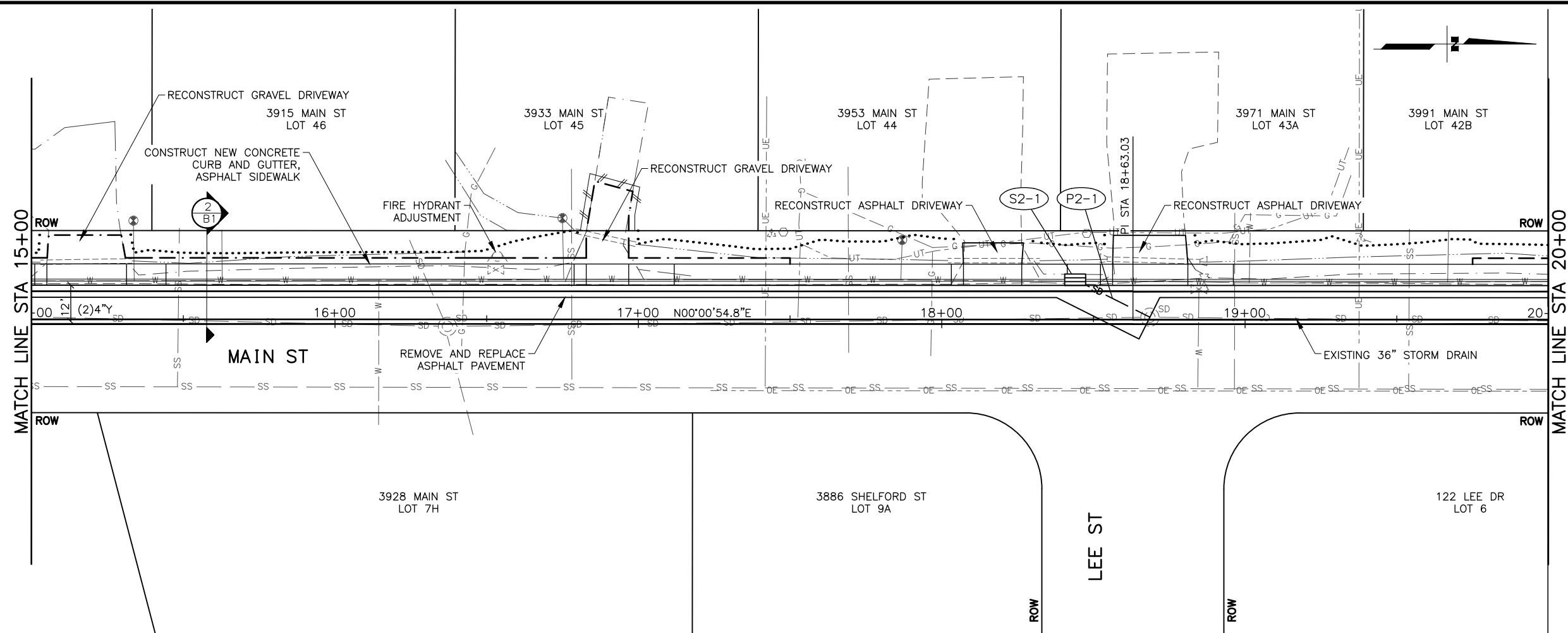
STATE OF ALASKA
 49th
 DAVID A. DARRINGTON
 02-119531
 4/1/22
 REGISTERED PROFESSIONAL ENGINEER

HDL ENGINEERING CONSULTANTS, LLC
 3335 ARCTIC BOULEVARD, STE 100
 ANCHORAGE, AK 99503
 (907) 564-2120
 AECL861

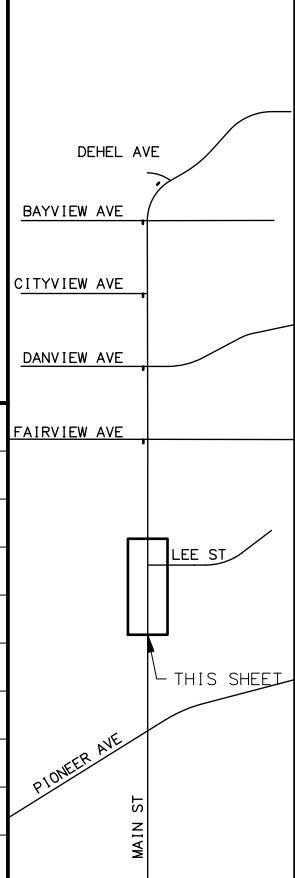
CITY OF HOMER
 MAIN STREET
 SIDEWALK IMPROVEMENTS
 PLAN AND PROFILE
 PIONEER AVE
 BOP TO 15+00

H:\JOBS\17-014 HOMER ROADS, DRAINAGE, AND TRAILS TERM (HOMER)\TASK 2 - MAIN STREET (PHASE I) SIDEWALK DESIGN\CAD\DRAWINGS\17014_02_F01-F06.DWG

DATE: 4/1/2022 12:24 PM
 TIME: 12:24 PM
 SCALE: 1"=20'
 DESIGNED BY: NMO
 CHECKED BY: NMO
 DRAFTED BY: WP



SHEET NO.	TOTAL SHEETS
F2	F6
YEAR	
2022	
PROJECT DESIGNATION	
160-0782	
NO.	REVISION
NO.	REVISION
NO.	REVISION
NO.	REVISION



HDL ENGINEERING CONSULTANTS, LLC
 3335 ARCTIC BOULEVARD, STE 100
 ANCHORAGE, AK 99503
 (907) 564-2120
 AECL861

CITY OF HOMER

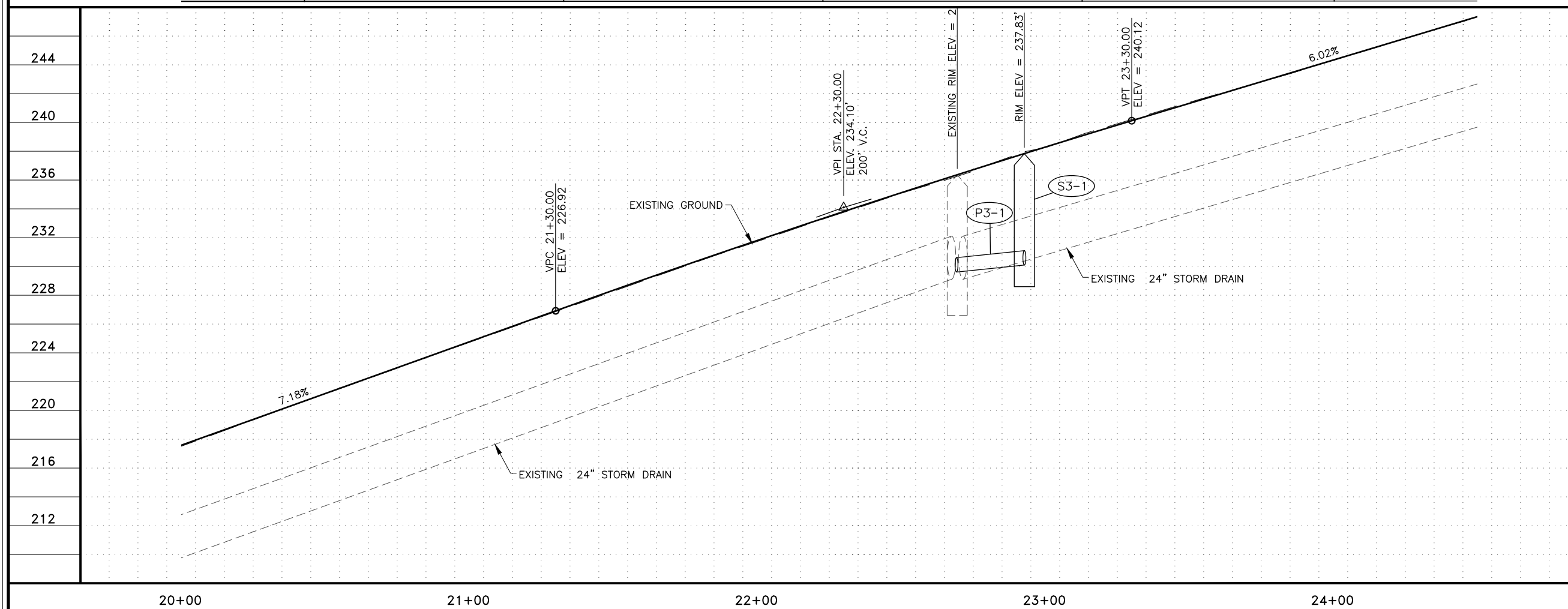
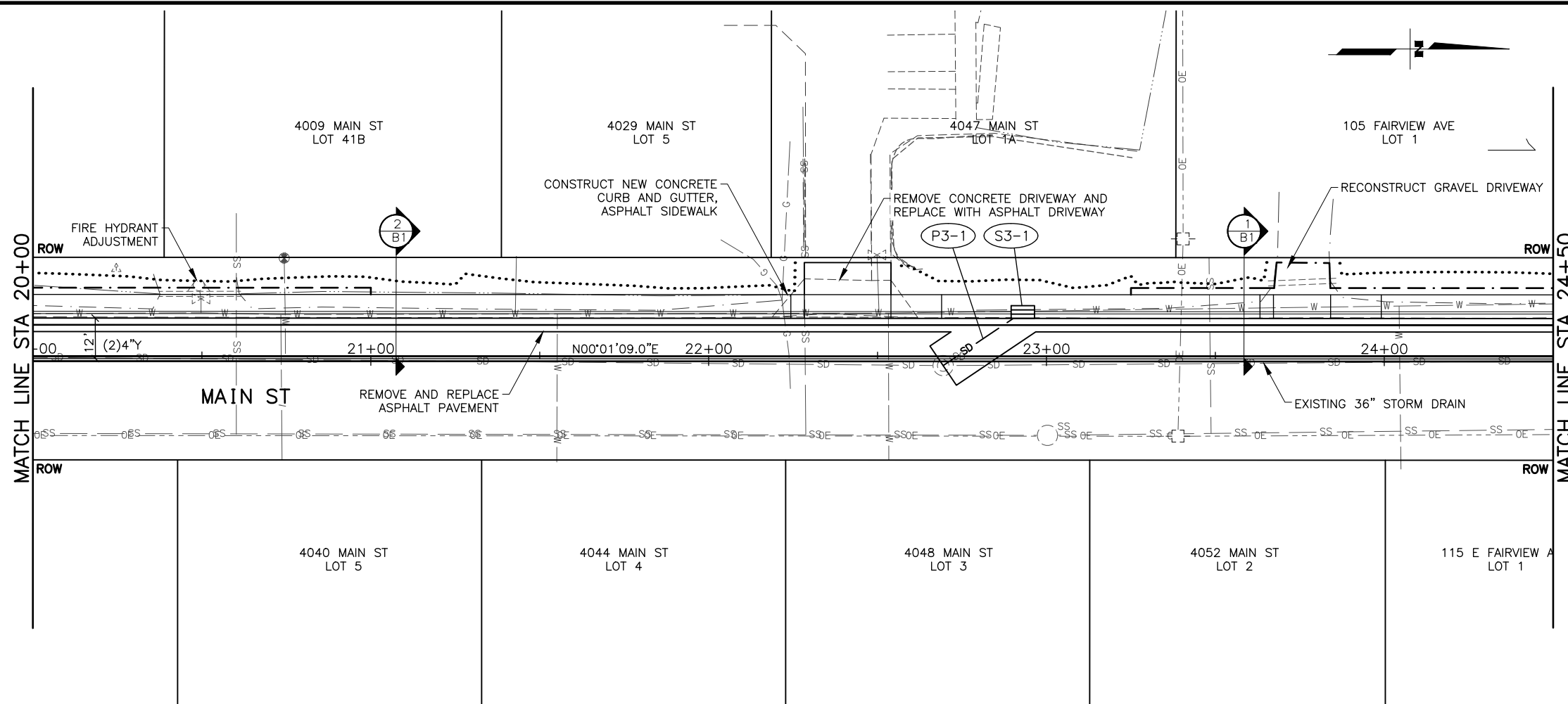
MAIN STREET
 SIDEWALK IMPROVEMENTS

PLAN AND PROFILE
 LEE ST
 15+00 TO 20+00

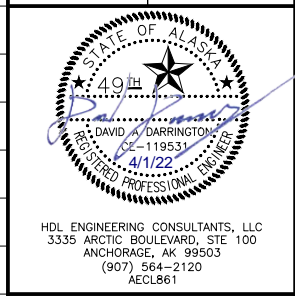
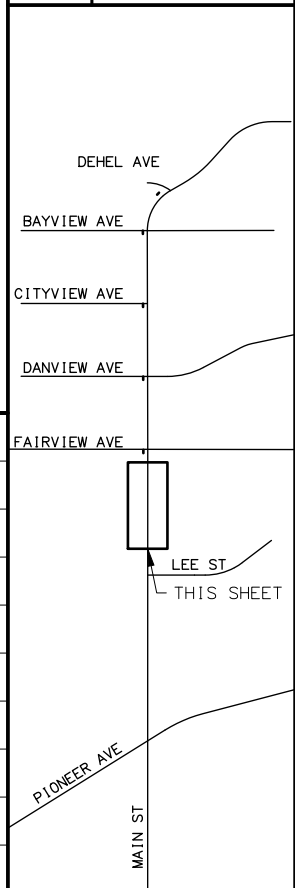
H:\JOBS\17-014 HOMER ROADS, DRAINAGE, AND TRAILS TERM (HOMER)\TASK 2 - MAIN STREET (PHASE I) SIDEWALK DESIGN\CAD\DRAWINGS\17014_02_F01-F06.DWG

DATE: 4/1/2022 TIME: 12:24 PM SCALE: 1"=20'

DESIGNED BY: NMO CHECKED BY: NMO DRAFTED BY: WP



SHEET NO.	TOTAL SHEETS
F3	F6
YEAR	
2022	
PROJECT DESIGNATION	
160-0782	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	



CITY OF HOMER

MAIN STREET
SIDEWALK IMPROVEMENTS

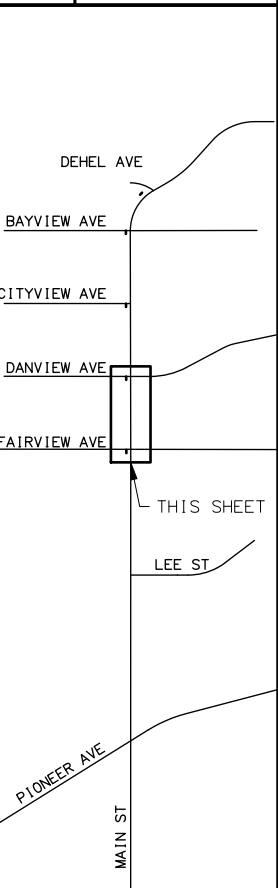
PLAN AND PROFILE

20+00 TO 24+50

DATE: 4/1/2022 12:25 PM
 TIME: 12:25 PM
 SCALE: 1"=20'
 DESIGNED BY: NMO
 CHECKED BY: NMO
 DRAFTED BY: WP

H:\JOBS\17-014 HOMER ROADS, DRAINAGE, AND TRAILS TERM (HOMER)\TASK 2 - MAIN STREET (PHASE I) SIDEWALK DESIGN\CAD\DRAWINGS\17014_02_F01-F06.DWG

SHEET NO.	TOTAL SHEETS
F4	F6
YEAR	
2022	
PROJECT DESIGNATION	
160-0782	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	

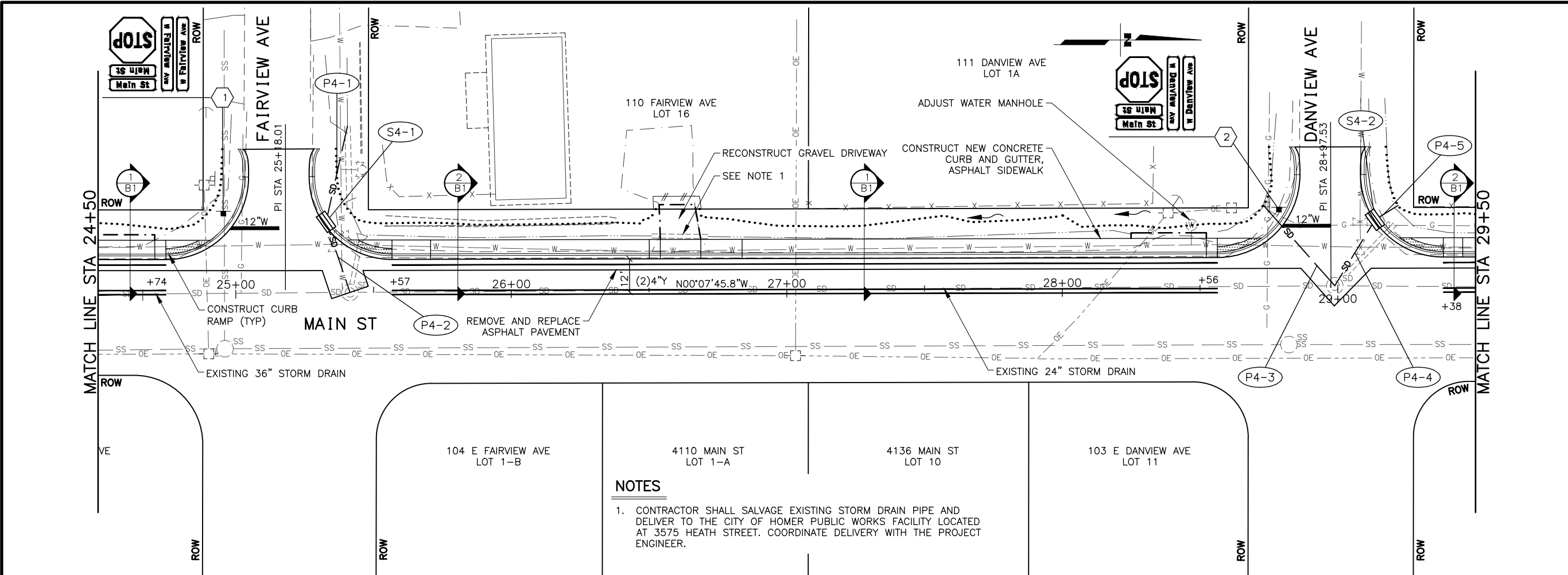


HDL ENGINEERING CONSULTANTS, LLC
 3335 ARCTIC BOULEVARD, STE 100
 ANCHORAGE, AK 99503
 (907) 564-2120
 AECL861

CITY OF HOMER

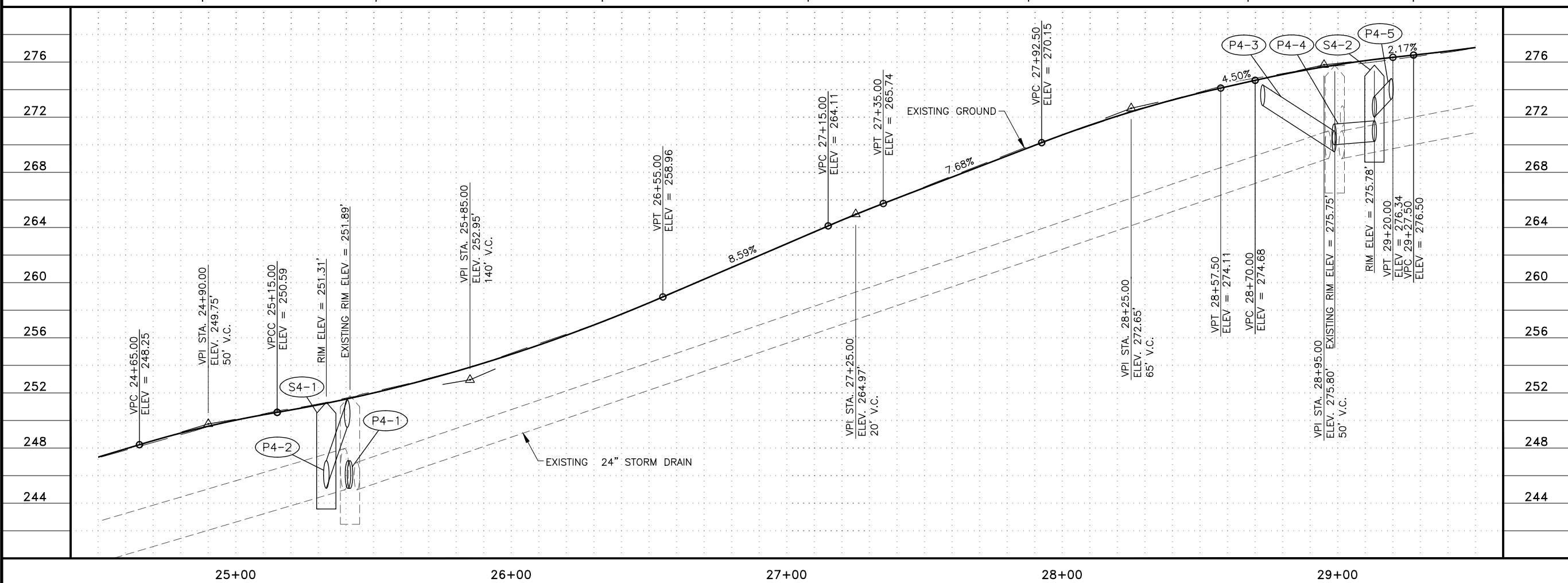
MAIN STREET
 SIDEWALK IMPROVEMENTS

PLAN AND PROFILE
 FAIRVIEW AVE
 24+50 TO 29+50



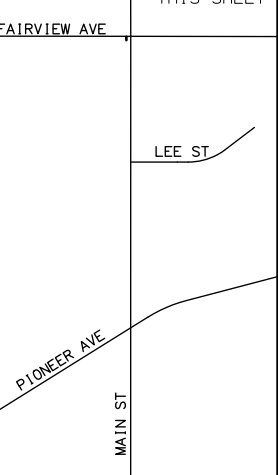
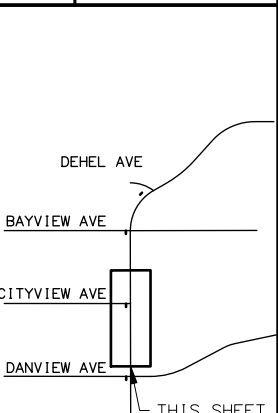
NOTES

1. CONTRACTOR SHALL SALVAGE EXISTING STORM DRAIN PIPE AND DELIVER TO THE CITY OF HOMER PUBLIC WORKS FACILITY LOCATED AT 3575 HEATH STREET. COORDINATE DELIVERY WITH THE PROJECT ENGINEER.



H:\JOBS\17-014 HOMER ROADS, DRAINAGE, AND TRAILS TERM (HOMER)\TASK 2 - MAIN STREET (PHASE I) SIDEWALK
 DESIGN\CAD\DRAWINGS\17014_02_F01-F06.DWG
 DATE: 4/1/2022 12:25 PM
 TIME: 12:25 PM
 SCALE: 1"=20'
 DESIGNED BY: NMO
 CHECKED BY: NMO
 DRAFTED BY: WP

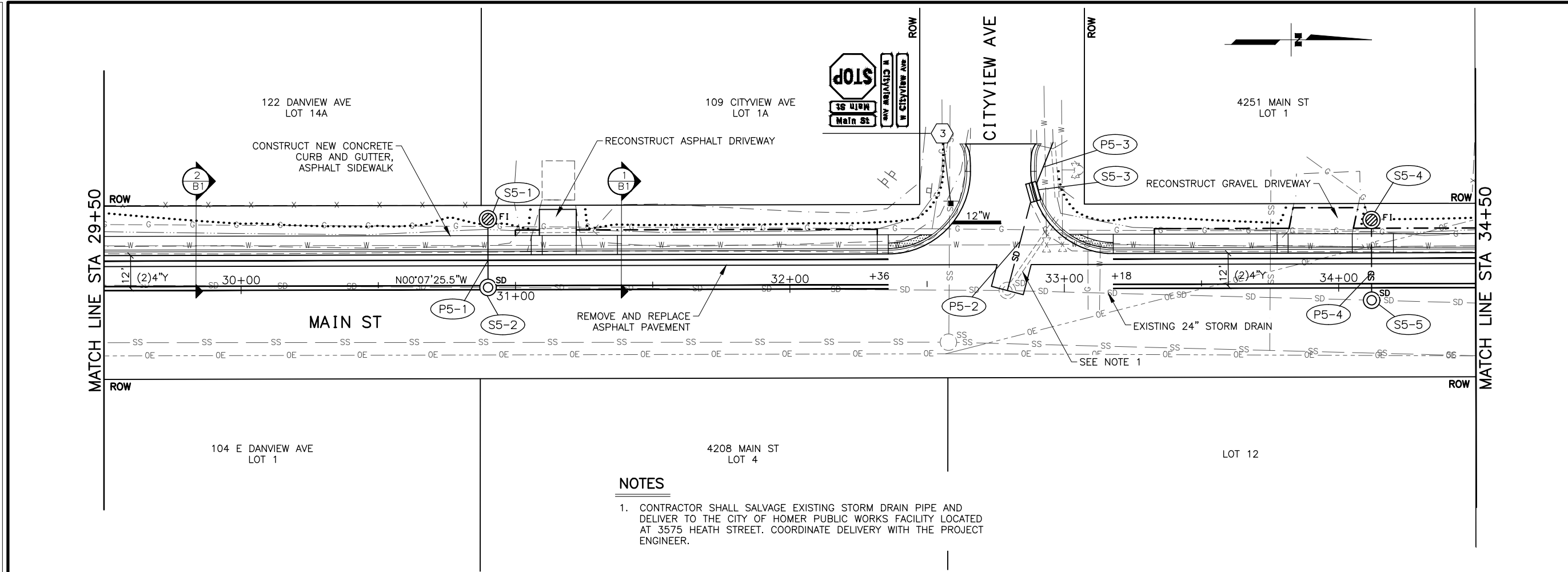
SHEET NO.	TOTAL SHEETS
F5	F6
YEAR	
2022	
PROJECT DESIGNATION	
160-0782	
NO.	REVISION
NO.	REVISION
NO.	REVISION
NO.	REVISION



STATE OF ALASKA
 40th
 DAVID DARRINGTON
 LICENSE NO. 119514
 4/1/22
 REGISTERED PROFESSIONAL ENGINEER

HDL ENGINEERING CONSULTANTS, LLC
 3335 ARCTIC BOULEVARD, STE 100
 ANCHORAGE, AK 99503
 (907) 564-2120
 AECL861

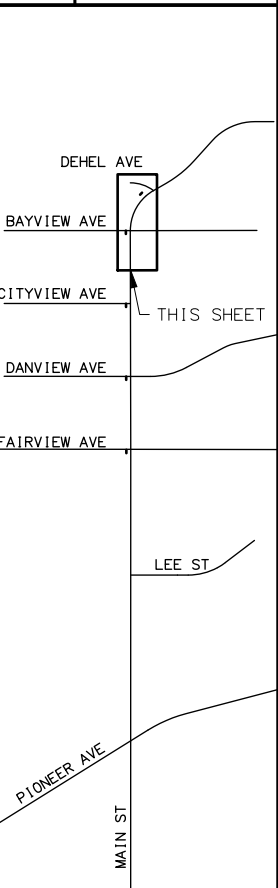
CITY OF HOMER
 MAIN STREET
 SIDEWALK IMPROVEMENTS
 PLAN AND PROFILE
 CITYVIEW AVE
 29+50 TO 34+50



NOTES
 1. CONTRACTOR SHALL SALVAGE EXISTING STORM DRAIN PIPE AND DELIVER TO THE CITY OF HOMER PUBLIC WORKS FACILITY LOCATED AT 3575 HEATH STREET. COORDINATE DELIVERY WITH THE PROJECT ENGINEER.

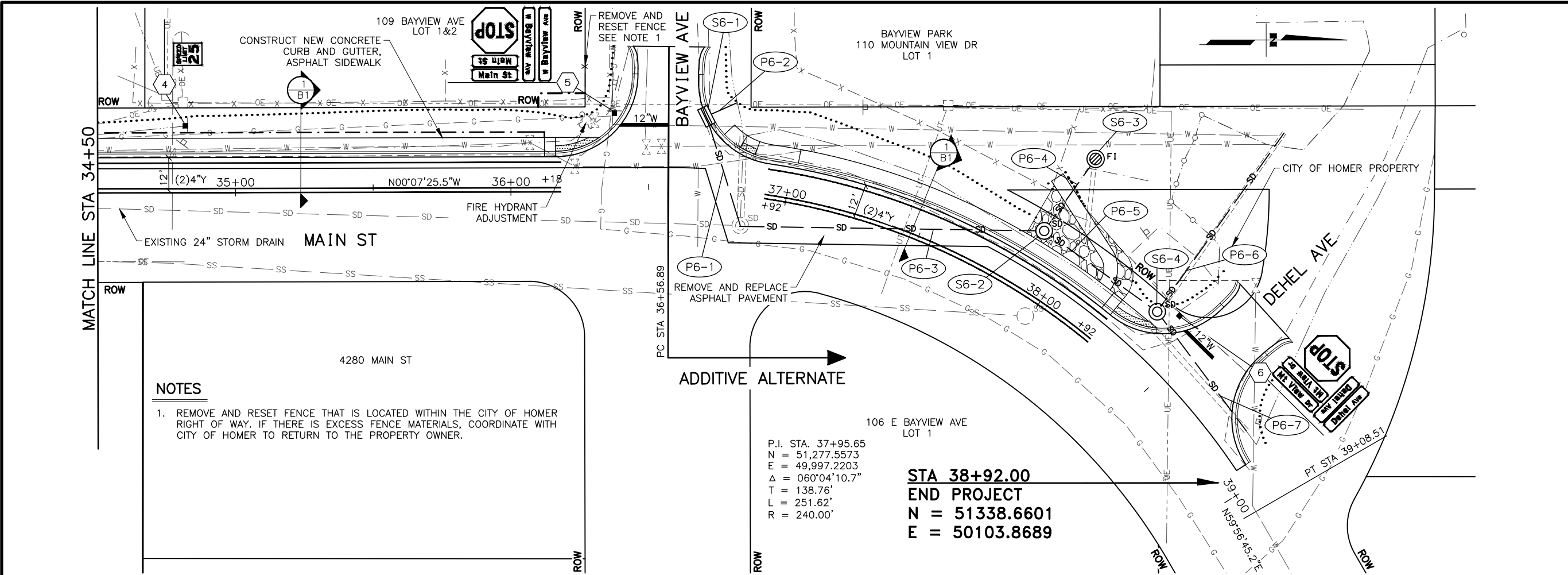
H:\JOBS\17-014 HOMER ROADS, DRAINAGE, AND TRAILS TERM (HOMER)\TASK 2 - MAIN STREET (PHASE I) SIDEWALK
 DESIGN\CAD\DRAWINGS\17014_02_F01-F06.DWG
 DATE: 4/1/2022 1:17 PM
 TIME: 1:17 PM
 SCALE: 1"=20'
 DESIGNED BY: NMO
 CHECKED BY: NMO
 DRAFTED BY: WP

SHEET NO.	TOTAL SHEETS
F6	F6
YEAR	
2022	
PROJECT DESIGNATION	
160-0782	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	



HDL ENGINEERING CONSULTANTS, LLC
 3335 ARCTIC BOULEVARD, STE 100
 ANCHORAGE, AK 99503
 (907) 564-2120
 AECL861

CITY OF HOMER
 MAIN STREET
 SIDEWALK IMPROVEMENTS
 PLAN AND PROFILE
 BAYVIEW AVE
 34+50 TO EOP

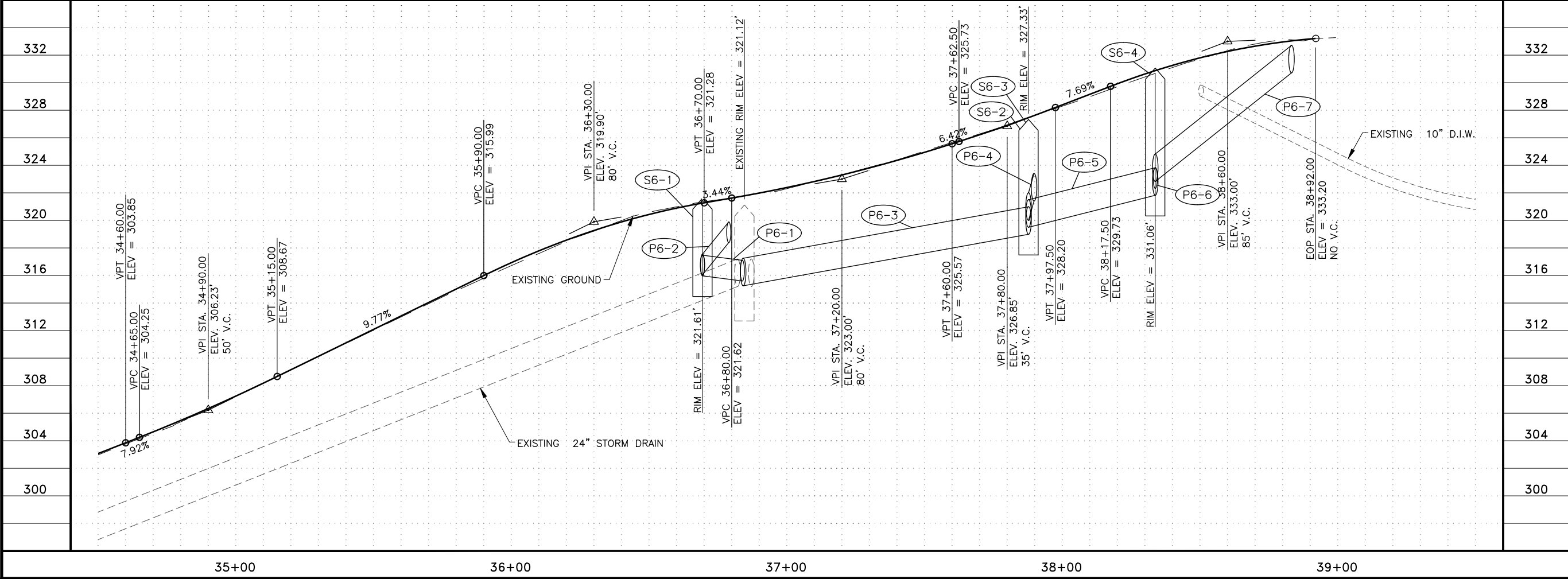


NOTES

1. REMOVE AND RESET FENCE THAT IS LOCATED WITHIN THE CITY OF HOMER RIGHT OF WAY. IF THERE IS EXCESS FENCE MATERIALS, COORDINATE WITH CITY OF HOMER TO RETURN TO THE PROPERTY OWNER.

P.I. STA. 37+95.65
 N = 51,277.5573
 E = 49,997.2203
 $\Delta = 060^{\circ}04'10.7''$
 T = 138.76'
 L = 251.62'
 R = 240.00'

STA 38+92.00
END PROJECT
N = 51338.6601
E = 50103.8689



H:\JOBS\17-014_HOMER ROADS, DRAINAGE, AND TRAILS TERM (HOMER)\TASK 2 - MAIN STREET (PHASE I)_SIDEWALK DESIGN\CAD\DRAWINGS\17014_02_H01.DWG
 DESIGNED BY: _____
 CHECKED BY: _____
 DATE: 3/31/2022 4:38 PM
 SCALE: _____
 TIME: _____
 WP: _____

NO.	DATE	REVISION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			160-0782	2022	H1	H4

SIGNING & STRIPING NOTES:

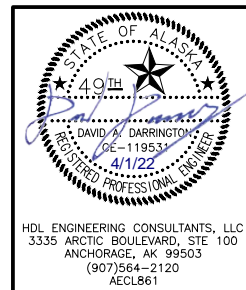
1. ALL STATION AND OFFSET LOCATIONS FOR SIGN INSTALLATION ARE APPROXIMATE. INSTALL SIGNS AT LOCATIONS PER THE STANDARD PLANS OR AS DIRECTED BY THE ENGINEER.
2. USE THE FOLLOWING DEFINITIONS TO DECIPHER THE ABBREVIATED SIGN POST TYPES IN THE SIGN SUMMARY SHEETS.
 - A. PT MEANS A PERFORATED STEEL TUBE.
 - B. T MEANS A SQUARE STEEL TUBE.
 - C. P MEANS A ROUND STEEL PIPE.
 - D. W MEANS A WIDE FLANGE BEAM.
 - E. POPL MEANS A POLE PLATE INSTALLED PER STANDARD PLANS.
3. FABRICATE ALL SIGNS FROM 0.125-IN THICK ALUMINUM SHEETING, UNLESS STATED ELSEWHERE.
4. FOR SIGNS SUPPORTED BY MULTIPLE POSTS, FABRICATE THE POSTS WITH THEIR TOPS LEVEL WITH ONE ANOTHER.
5. FOR PERFORATED STEEL TUBE SIGNPOSTS, INSTALL THE CONCRETE FOUNDATION OPTION SHOWN IN THE STANDARD PLANS. TRIM EACH PT POST TO LIMIT THE LENGTH INSERTED INTO THE FOUNDATION TO 12-IN.
6. FABRICATE GUIDE SIGNS ACCORDING TO THE SHOP DRAWINGS INCLUDED IN THE APPENDICES OF PART 4, CONTRACT PROVISIONS AND SPECIAL PROVISIONS. TRIM THE CORNERS OF ALL SIGNS TO THE RADIUS SHOWN ON EACH SHOP DRAWING.
7. ERECT NEW SIGNS BEFORE REMOVAL OF EXISTING SIGNS WITH SIMILAR MESSAGE. NOTIFY THE ENGINEER A MINIMUM OF 14 DAYS PRIOR TO BEGINNING SIGN REMOVAL AND SALVAGE OR DISPOSAL ACTIVITIES.
8. FOR SIGNS SUPPORTED BY MULTIPLE TUBES OR PIPES, LOCATE THE OUTER POSTS ON MAXIMUM 6-FT CENTERS. INSTALL ADJACENT WIDE FLANGE POSTS ON MINIMUM 8-FT CENTERS.
9. SELECTIVE HAND CLEARING SHALL BE PERFORMED AT THE DISCRETION OF THE ENGINEER, IAW SECTION 201, UPSTREAM OF ALL SIGN INSTALLATION LOCATIONS TO ACHIEVE MINIMUM SIGN VISIBILITY REQUIREMENTS. IF NOT INCLUDED AS A SEPARATE ITEM, THIS WORK SHALL BE SUBSIDIARY TO THE SIGN INSTALLATION ITEMS AND WORK.
10. ALL FINAL PAVEMENT MARKINGS SHALL BE SURFACE APPLIED AS SPECIFIED IN SECTION 670 OF THE SPECIFICATIONS.
11. DIMENSIONS REFER TO THE CENTER OF STRIPE AND THE EDGE OF PAVEMENT OR LIP OF CURB WHEN PRESENT.
12. IF THE NEW AND EXISTING PAVEMENT MARKINGS ARE NOT ALIGNED AT MATCH LINE, TRANSITION BETWEEN THE TWO USING A 100:1 TAPER ON THE NEW PAVEMENT.
13. WHERE NEW STRIPING IS TO EXTEND BEYOND PAVING LIMITS, REMOVE EXISTING STRIPING IAW SUBSECTION 670-3.04 TO THE EXTENT OF STRIPING LIMITS.

CALL BEFORE YOU DIG!

CONTRACTOR SHALL CALL A MINIMUM OF
3 DAYS IN ADVANCE OF CONSTRUCTION

ALASKA DIGLINE....907-278-3121 OR 800-478-3121

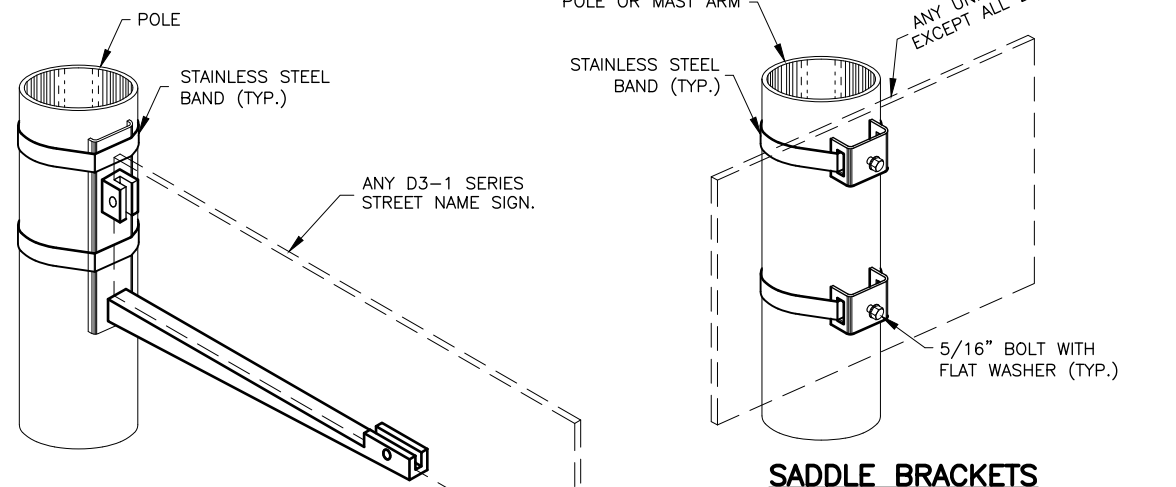
CALL OR GO TO WWW.AKONECALL.COM/STATEWIDE.HTM
FOR MEMBER LIST OF WHO WILL BE NOTIFIED



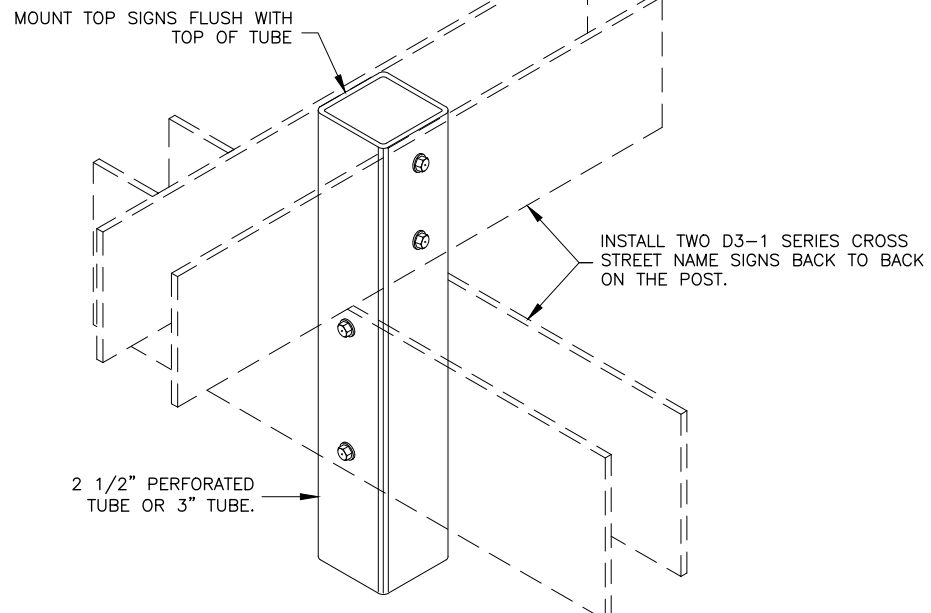
CITY OF HOMER
PUBLIC WORKS DEPARTMENT

**MAIN STREET
SIDEWALK IMPROVEMENTS**

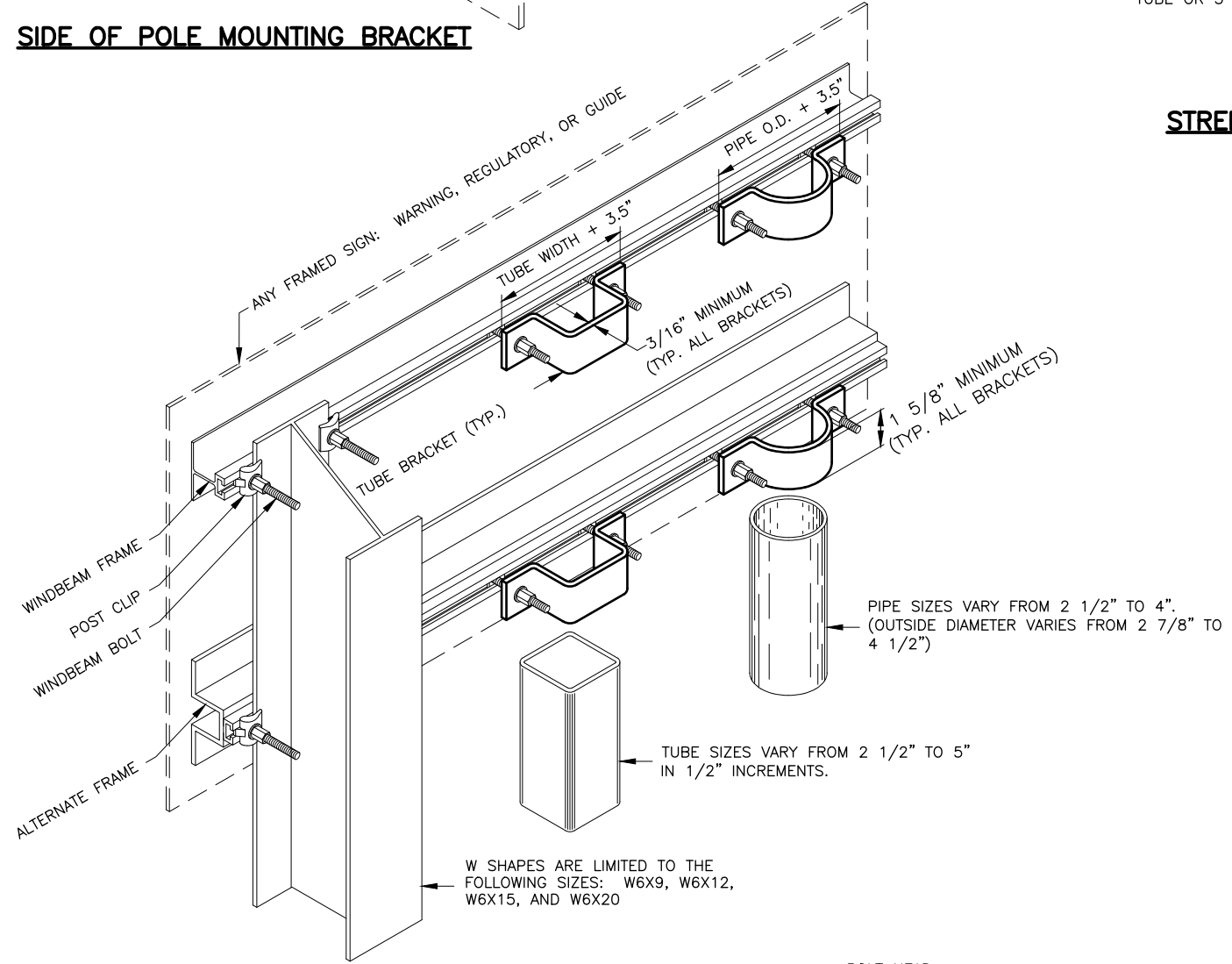
TRAFFIC LEGEND AND NOTES



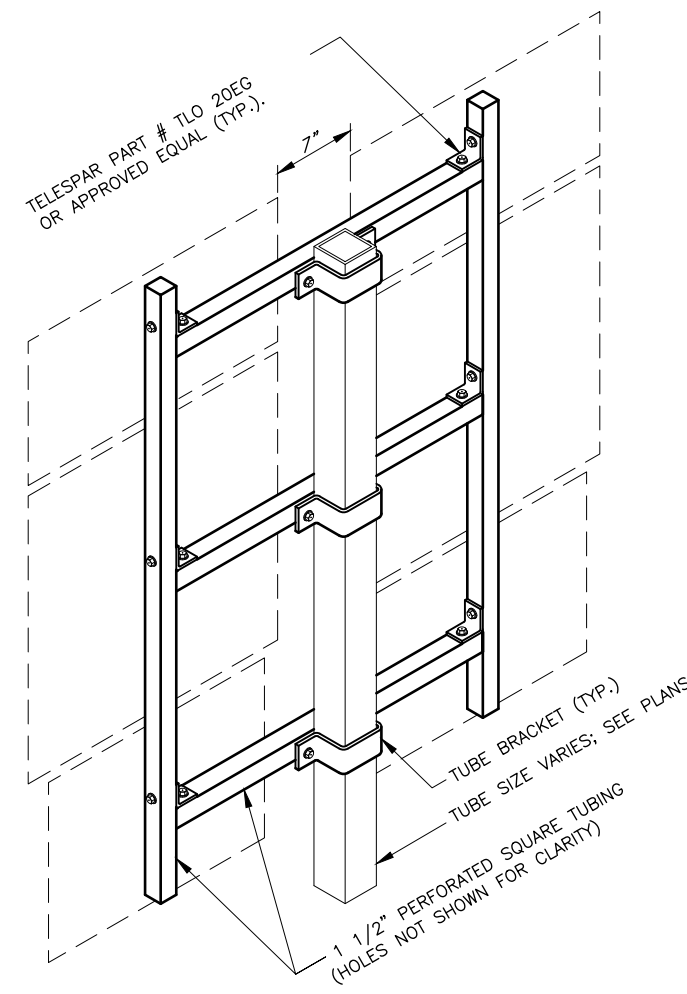
SIDE OF POLE MOUNTING BRACKET



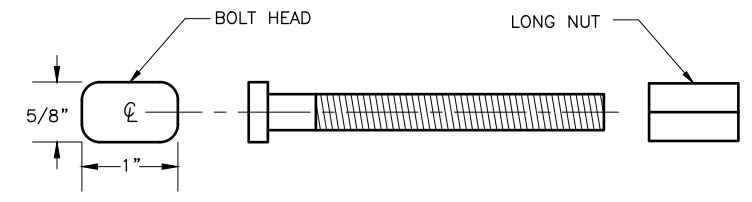
STREET NAME SIGN INSTALLATION



FRAMED SIGN ATTACHMENT BRACKETS



ROUTE MARKER TREE



3/8\"/>

NOTES:

- EXCEPT FOR POLES AND MAST ARMS, ONLY USE TUBES TO SUPPORT SIGNS MOUNTED ON ONE POST.
- ATTACH SIGNS, FRAMED AND UNFRAMED TO THEIR SUPPORTS WITH ZINC PLATED 3/8-IN BOLTS, EXCEPT ATTACH UNFRAMED SIGNS TO PERFORATED TUBES WITH ACCESSORY DRIVE RIVETS AND TO SADDLES WITH 5/16-IN BOLTS.
- BOLT UNFRAMED SIGNS DIRECTLY TO TUBES IN TWO LOCATIONS, NEAR TOP AND NEAR BOTTOM OF MATING SURFACE. ATTACH THEM TO POLES AND MAST ARMS WITH TWO SADDLES.
- ATTACH BRACKETS TO POLES AND MAST ARMS WITH DOUBLE WRAPS OF 3/4-IN WIDE BY 0.020-IN THICK STAINLESS STEEL BANDING MATERIAL. TIGHTEN EACH BAND UNTIL IT STOPS MOVING THROUGH THE BUCKLE.
- ATTACH FRAMED SIGNS TO POSTS WHEREVER THE FRAMES CROSS THE POSTS. AT EACH CROSSING, ATTACH THE SIGN USING TWO POST CLIPS ON W-SHAPE POSTS, A U-SHAPED BRACKET ON PIPES, AND A BRACKET WITH SQUARE CORNERS ON TUBES.
- THE TUBE BRACKETS USED ON EVEN INCH SIZE TUBES MAY ALSO BE USED ON TUBES 1/2-IN SMALLER IN SIZE.
- ONLY USE THE SPECIAL WINDBEAM BOLTS TO ATTACH SIGNS FRAMED WITH THE WINDBEAM FRAMING MATERIAL.
- ATTACH FRAMED SIGNS TO POLES AND MAST ARMS USING POLE PLATES INSTALLED ACCORDING TO THE STANDARD PLANS.
- FOR ROUTE MARKER TREES, CUT PERFORATED TUBES TO ENSURE TIGHT FITTING JOINTS. ASSEMBLE THE PIECES WITH ACCESSORY ELL-SHAPED ANGLE BRACKETS.
- INSTALL THE TOP EDGE OF SIGNS 1-IN ABOVE THE TOPS OF POSTS, EXCEPT FOR THE D3-1 STREET NAME SIGNS.
- INSTALL THE TOP EDGE OF SIGNS 3-IN BELOW THE TOP OF POST, WHENEVER THEY ARE MOUNTED BELOW SIGNS SECURED BY POST TOP MOUNTING BRACKETS.
- THE BRACKET DETAILS SHOWN INDICATE GENERAL DESIGNS ONLY. DESIGNS MAY VARY BY MANUFACTURER.
- INSTALL WEATHER TIGHT CAPS ON ALL PIPE AND TUBE POSTS, EXCEPT PERFORATED TUBING.

FASTENER SPECIFICATION TABLE		
FASTENERS	STEEL	STAINLESS STEEL
BOLTS	ASTM A 307	ASTM F 593
NUTS	REGULAR LOCK	ASTM A 563 ASTM F 594
WASHERS	ASTM A 36	ASTM A 480
POST CLIPS		

HDL ENGINEERING CONSULTANTS, LLC
3335 ARCTIC BOULEVARD, STE 100
ANCHORAGE, AK 99503
(907)564-2120
AECL861

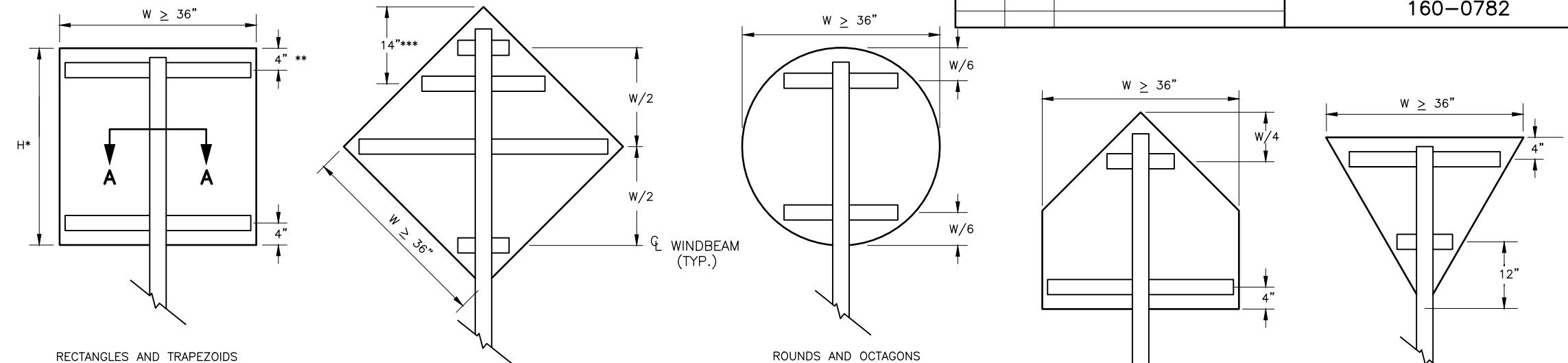
CITY OF HOMER
PUBLIC WORKS DEPARTMENT

**MAIN STREET
SIDEWALK IMPROVEMENTS**

SIGN ATTACHMENT DETAIL

H:\JOBS\17-014_HOMER ROADS, DRAINAGE, AND TRAILS TERM (HOMER)\TASK 2 - MAIN STREET (PHASE 1)_SIDEWALK
 DESIGN\CAD\DRAWINGS\17014_02_H02-H03.DWG
 DESIGNED BY: [blank]
 CHECKED BY: [blank]
 DRAFTED BY: [blank]
 SCALE: [blank]
 DATE: 3/31/2022 4:37 PM
 TIME: [blank]

NO.	DATE	REVISION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			160-0782	2022	H3	H4



RECTANGLES AND TRAPEZOIDS

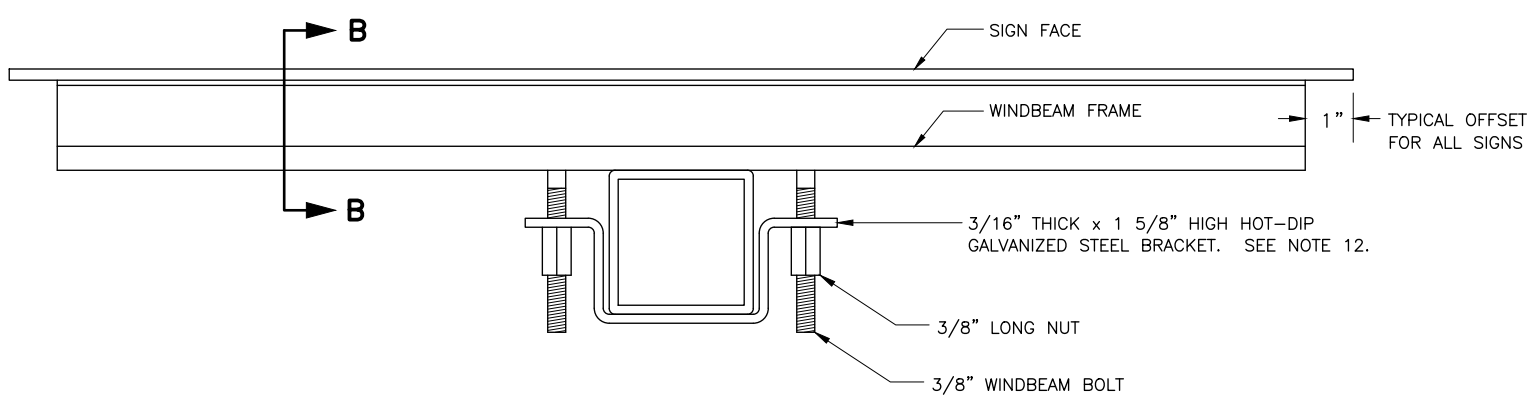
* WHEN H > 42-IN, INSTALL A 3RD WINDBEAM CENTERED ON THE SIGN.

** FOR S5-1 SIGNS MOUNTED ON FLASHING BEACON POSTS, USE A 10-IN OFFSET. OTHERWISE, USE 4-IN.

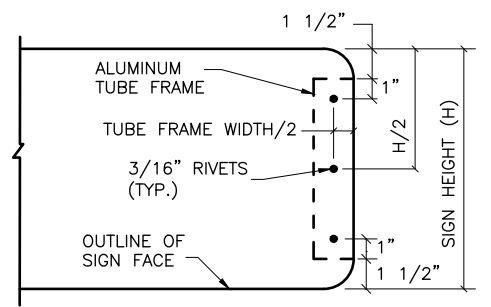
*** FOR WARNING SIGNS MOUNTED ON FLASHING BEACON POSTS, USE THE 14-IN OFFSET. OTHERWISE, USE W/2.

WINDBEAM LOCATIONS FOR EACH SIGN SHAPE

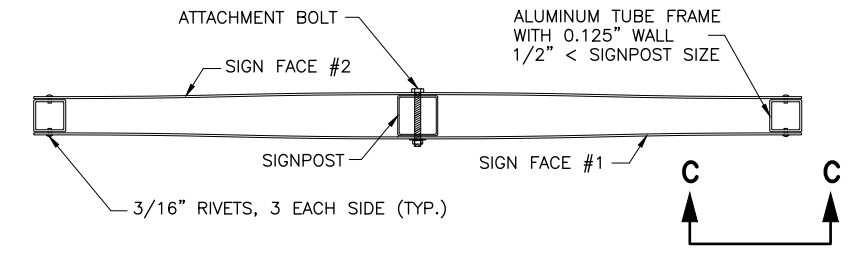
ELEVATION VIEW



SECTION A - A TYPICAL SIGN ATTACHMENT DETAILS AT EACH WINDBEAM

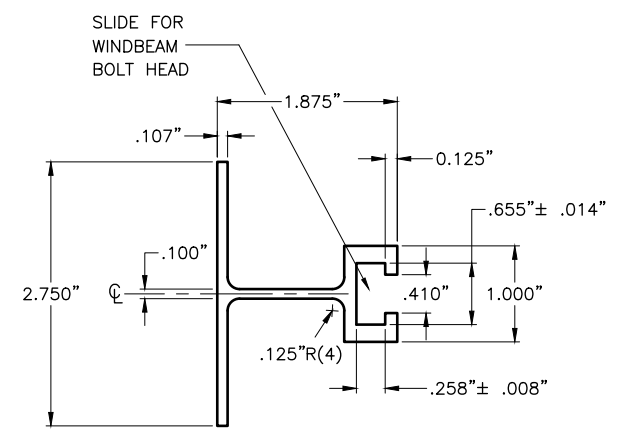


VIEW C - C

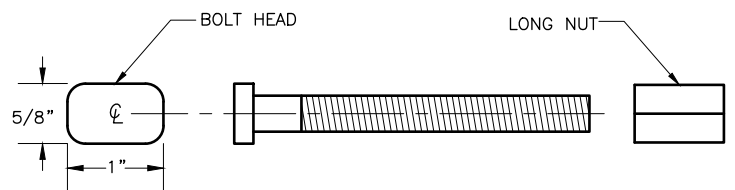


D3-1 STREET NAME SIGN FRAMING DETAIL

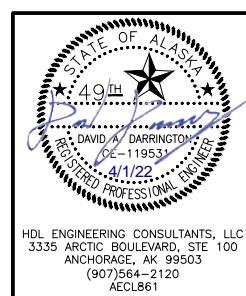
PLAN VIEW



SECTION B - B WINDBEAM CROSS SECTION



3/8" WINDBEAM BOLT AND LONG NUT



CITY OF HOMER
PUBLIC WORKS DEPARTMENT

**MAIN STREET
SIDEWALK IMPROVEMENTS**

LIGHT SIGN FRAMING AND
ATTACHMENT DETAIL

HDL ENGINEERING CONSULTANTS, LLC
3335 ARCTIC BOULEVARD, STE 100
ANCHORAGE, AK 99503
(907)564-2120
AECL861

H:\JOBS\17-014 HOMER ROADS, DRAINAGE, AND TRAILS TERM (HOMER)\TASK 2 - MAIN STREET (PHASE I) SIDEWALK DESIGN\CAD\DRAWINGS\17014_02_H02-H03.DWG

DESIGNED BY: _____
CHECKED BY: _____
DRAFTED BY: _____

SCALE: _____

DATE: 3/31/2022 4:37 PM

TIME: _____

615(1)

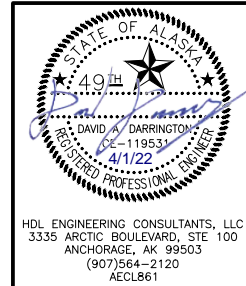
STANDARD SIGN													
SHEET NO.	POST NO.	STATION	CL REF.	TYPE	LEGEND	SIZE (IN)		AREA SQ FT	SIGN FACES	POSTS NO., SIZE, & TYPE	THICKNESS (IN)		REMARKS
						WIDTH	HEIGHT				YES	NO	
F4	1	24+95.50	LT	R1-1		30	30	6.25	W	2.5" PT		0.125	
				D3-101		30	8	3.33	N/S				TWO SIGNS BACK TO BACK
				D3-101		48	8	5.33	E/W				TWO SIGNS BACK TO BACK
F4	2	28+78.50	LT	R1-1		30	30	6.25	W	2.5" PT		0.125	
				D3-101		30	8	3.33	N/S				TWO SIGNS BACK TO BACK
				D3-101		48	8	5.33	E/W				TWO SIGNS BACK TO BACK
F5	3	32+59.00	LT	R1-1		30	30	6.25	W	2.5" PT		0.125	
				D3-101		30	8	3.33	N/S				TWO SIGNS BACK TO BACK
				D3-101		48	8	5.33	E/W				TWO SIGNS BACK TO BACK
F6	4	34+82.00	LT	R2-1		30	36	7.50	N/S	2.5" PT		0.125	
F6	5	36+37.50	LT	R1-1		30	30	6.25	W	2.5" PT		0.125	
				D3-101		30	8	3.33	N/S				TWO SIGNS BACK TO BACK
				D3-101		48	8	5.33	E/W				TWO SIGNS BACK TO BACK
F6	6	38+40.00	LT	R1-1		30	30	6.25	NE	2.5" PT		0.125	ADDITIVE ALTERNATE
				D3-101		36	8	4.00	SE/NW				TWO SIGNS BACK TO BACK; ADDITIVE ALTERNATE
				D3-101		36	8	4.00	SW/NE				TWO SIGNS BACK TO BACK; ADDITIVE ALTERNATE

615(6)

SALVAGE SIGN				
SHEET	STATION	OFFSET	TYPE	REMARKS
F4	24+92.00	LT	D3-101	W FAIRVIEW AVE
			R2-2	STOP
	28+75.00	LT	D3-101	W DANVIEW AVE
			R2-2	STOP
F5	32+51.00	LT	D3-101	W CITYVIEW AVE
			R2-2	STOP
F6	34+82.00	LT	R2-1	25 MPH
	36+38.00	LT	D3-101	W BAYVIEW AVE
			R2-2	STOP
	38+40.00	LT	D3-101	DEHEL AVE; ADDITIVE ALTERNATE
			R2-2	STOP; ADDITIVE ALTERNATE

GENERAL SIGNING NOTES

- SIGN MOUNTING HEIGHT IS A MINIMUM OF 7-FT AS SHOWN ON STANDARD DRAWING S-05.01.
- SIGN SIZES SHALL FOLLOW MANUAL ON UNIFORM TRAFFIC DEVICES REQUIREMENTS UNLESS SPECIFICALLY MODIFIED IN THE ALASKA TRAFFIC MANUAL.
- ALL PT POSTS SHALL BE INSTALLED WITH CONCRETE FOUNDATIONS.

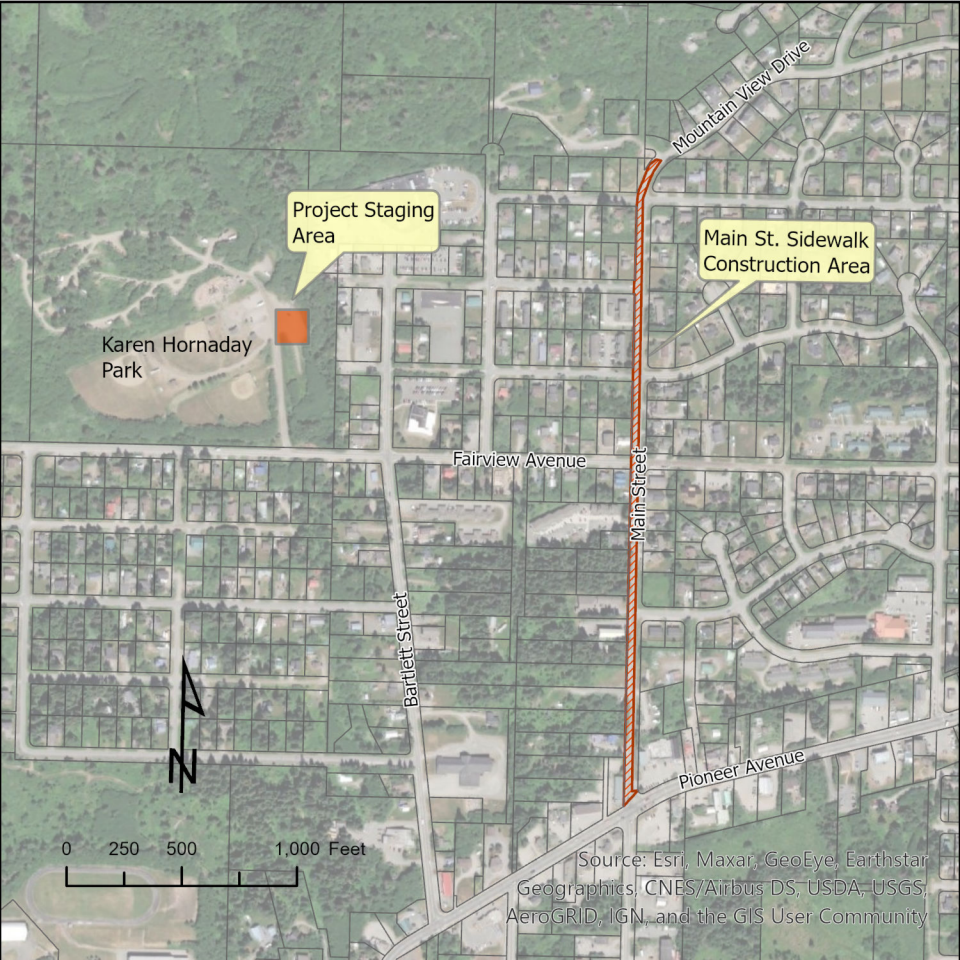


CITY OF HOMER
PUBLIC WORKS DEPARTMENT

**MAIN STREET
SIDEWALK IMPROVEMENTS**

SIGN SUMMARY AND SALVAGE

H:\JOBS\17-014_HOMER ROADS, DRAINAGE, AND TRAILS TERM (HOMER)\TASK 2 - MAIN STREET (PHASE I) SIDEWALK DESIGN\CAD\DRAWINGS\17014_02_H04.DWG
 DESIGNED BY: NTS
 CHECKED BY: NTS
 DRAFTED BY: NTS
 SCALE: NTS
 DATE: 3/31/2022
 TIME: 4:41 PM



Project Staging Area

Karen Hornaday Park

Main St. Sidewalk Construction Area

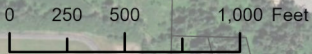
Mountain View Drive

Fairview Avenue

Main Street

Bartlett Street

Pioneer Avenue



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community